

Williams Communications

Japan Cable Landing Diverse Route

(Point Arena to Sacramento, California)

AFE 4875

Charles Seery, Project Manager
Gary Tabor, Project Construction Superintendent

Spread South 4A

August 2001

REDLINES

Volume 1 of 3

Williams Communications
Santa Rosa Construction Project Office
916 Shiloh Road, Building 1
Windsor, CA 95492
(707) 836-9414 FAX: (707) 836-9462

Spread South 3 (Cloverdale to Healdsburg) (NCRA) (Henkles & McCoy)
Sonoma County - Alignment Sheets 1 - 80

Item No	Alignment Sheet	From Station	To Station	GAPS (footage)	Crossing Identification	County
1.11	6	49+86	53+12	326	wetland (not DFG)	Sonoma (IRU)
1.11	21	231+35	234+05	270	D/R-Asti-5A	Sonoma (IRU)
1.11	73	851+69	854+34	265	D/R-Jimtown-2A	Sonoma (IRU)
1.11	78	911+52	916+86	534	D/R-Healdsburg-22B	Sonoma (IRU)
1.11	79	921+06	923+89	283	D/R-Healdsburg-21	Sonoma (IRU)
1.11	80	935+01	936+87	186	NWPRR (longitudinal) to West Grant St	Sonoma (IRU)
Duct - Total GAPS: (0.4 mi)				1,864		
DFG Crossings Remaining:				4		
Duct Total INSTALLED: (17.3 mi)				91,361	98% complete	
Length of spread by alignment sheets:				17.7 miles		

Spread South 4A (Healdsburg to Santa Rosa) (Tidwell)
Sonoma County - Alignment Sheets 81 - 195 and W1 - W38

Item No	Alignment Sheet	From Station	To Station	GAPS (footage)	Crossing Identification	County
2.11	81	00+00	07+00	700	West Grant St (longitudinal)	Sonoma (IRU)
2.11	98 - 101	104+43	121+00	1,657	Old Redwood Hwy (longitudinal) including Russian River bore	Sonoma (IRU)
2.11	W16 - W19	348+08	368+45	2,037	Town of Windsor (including DFG xings: D/R-Healdsburg-K+L)	Sonoma (IRU)
Duct - Total GAPS: (0.8 mi)				4,394		
DFG Crossings Remaining:				2		
Duct - Total INSTALLED: (18.. mi)				100,043	97% complete	
Length of spread by alignment sheets:				19.8 miles		

Spread South 4B (Santa Rosa to Petaluma) (Tidwell)
Sonoma County - Alignment Sheets 196 - 273

Item No	Alignment Sheet	From Station	To Station	GAPS (footage)	Crossing Identification	County
1.11	218	1216+45	1218+60	215	D/R-Cotati-10A (Hinebaugh Creek)	Sonoma (IRU)
1.11	229	1357+90	1360+85	295	D/R-Cotati-8 (Lichau Creek)	Sonoma (IRU)
1.11	235	1423+50	1426+25	275	Old Adobe Road (longitudinal)	Sonoma (IRU)
1.11	240	1488+01	1490+20	219	D-Cotati-3	Sonoma (IRU)
1.11	246	1554+85	1559+38	453	Old Adobe Road (xing and longitudinal)	Sonoma (IRU)
1.11	247	1562+70	1573+90	1,120	D/R-Glen Ellen-13 (Lynch Creek)	Sonoma (IRU)
1.11	257	1691+38	1697+65	627	D/R-Glen Ellen-7 (Adobe Creek)	Sonoma (IRU)
1.11	273	1879+50	1881+00	150	Old Adobe Road (longitudinal)	Sonoma (IRU)
Duct - Total GAPS: (0.7 mi)				3,354		
DFG Crossings Remaining:				5		
Duct - Total INSTALLED: (16.7 mi)				88,346	97% complete	
Length of spread by alignment sheets:				17.4 miles		

Japan Cable Landing Diverse Route: Spread South 4A
Tidwell Excavating - Contract 99P1541.22
Tracer Wire Installation

	Alignment Sheet	From Station	To Station	Footage	Crossing Identification
GAP	81	00+00	07+00	700	West Grant St (longitudinal)
Tracer Wire	81 - 101	07+00	104+43	9,743	
GAP	98 - 101	104+43	121+00	1,657	Old Redwood Hwy (longitudinal) incl Russian River bore
Tracer Wire	101 - 121	121+00	241+35	12,035	
Tracer Wire	121	241+35	242+00	65	Windsor Regen - in
Tracer Wire	121	241+60	242+25	65	Windsor Regen - out
Tracer Wire	121 - W16	241+37	348+08	10,671	
GAP	W16 - W19	348+08	368+45	2,037	Town of Windsor incl DFG xings D/R-Healdsburg-K and D/R-Healdsburg-L
Tracer Wire	W20 - 122	368+45	477+38	10,893	
EQ	122	477+37 BK	474+90 AH	—	
Tracer Wire	122 - 138	474+90	675+69	20,079	
Tracer Wire	138 - 144	675+69	716+90	4,121	(Argonaut construction)
Tracer Wire	144 - 150	716+90	760+55	4,365	
EQ	150	760+55 BK	759+60 AH	—	
Tracer Wire	151 - 157	759+60	796+05	3,645	
EQ	157	796+05 BK	795+00 AH	—	
Tracer Wire	158 - 195	795+00	1036+00	24,100	
EQ	195	1036+00 BK	961+89 AH	—	
Tracer Wire	195	961+89	964+50	261	
Total Footage of Spread:				104,437	
Less Gaps:				-4,394	
TOTAL FOOTAGE OF TRACER WIRE:				100,043	19 miles

Updated by Peggy Dunavan June 29, 2001

Japan Cable Landing Diverse Route: Spread South 4A
Tidwell Excavating - Contract 99P1541.22
Tracer Wire Installation

	Alignment Sheet	From Station	To Station	Footage	Crossing Identification
GAP	81	00+00	07+00	700	West Grant St (longitudinal)
Tracer Wire	81 - 101	07+00	104+43	9,743	
GAP	98 - 101	104+43	121+00	1,657	Old Redwood Hwy (longitudinal) incl Russian River bore
Tracer Wire	101 - 121	121+00	241+35	12,035	
Tracer Wire	121	241+35	242+00	65	Windsor Regen - in
Tracer Wire	121	241+60	242+25	65	Windsor Regen - out
Tracer Wire	121 - W16	241+37	348+08	10,671	
GAP	W16 - W19	348+08	368+45	2,037	Town of Windsor incl DFG xings D/R-Healdsburg-K and D/R-Healdsburg-L
Tracer Wire	W20 - 122	368+45	477+38	10,893	
EQ	122	477+37 BK	474+90 AH	—	
Tracer Wire	122 - 138	474+90	675+69	20,079	
Tracer Wire	138 - 144	675+69	716+90	4,121	(Argonaut construction)
Tracer Wire	144 - 150	716+90	760+55	4,365	
EQ	150	760+55 BK	759+60 AH	—	
Tracer Wire	151 - 157	759+60	796+05	3,645	
EQ	157	796+05 BK	795+00 AH	—	
Tracer Wire	158 - 195	795+00	1036+00	24,100	
EQ	195	1036+00 BK	961+89 AH	—	
Tracer Wire	195	961+89	964+50	261	
Total Footage of Spread:				104,437	
Less Gaps:				-4,394	
TOTAL FOOTAGE OF TRACER WIRE:				100,043	19 miles

Updated by Peggy Dunavan June 29, 2001

Inspector Daily Report

Page 1 of 4

Name: GLORIA TABOR
Spread/Site Number: 4875 - SPREAD 4A
Hours Worked: 10 HRS
Day: Mo Tu We Th Fr Sa Su Date: 7-9-01
Weather: Cloudy Temp: 82
Contract No:
Contractor: TIDWELL
Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL TRACER WIRE	X		6.11	98 101-121 W16	121+06	348+08	22,836
1	INSTALL TRACER WIRE	X		6.11	W16-19 122-195	368+45	964+50	67,464
1	LOCATER POST	X		3.81	98-101	121+00		1
1	LOCATER POST	X		3.81	113	192+18		1
1	LOCATER POST	X		3.81	137	644+33		1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

This report is for informational purposes only and is not to be used for purposes of determining payment under the applicable contract. This report does not serve to amend or supersede the terms of the contract between the parties.

Distribution: Original - Spread Supervisor Yellow - Contractor Pink - Inspector

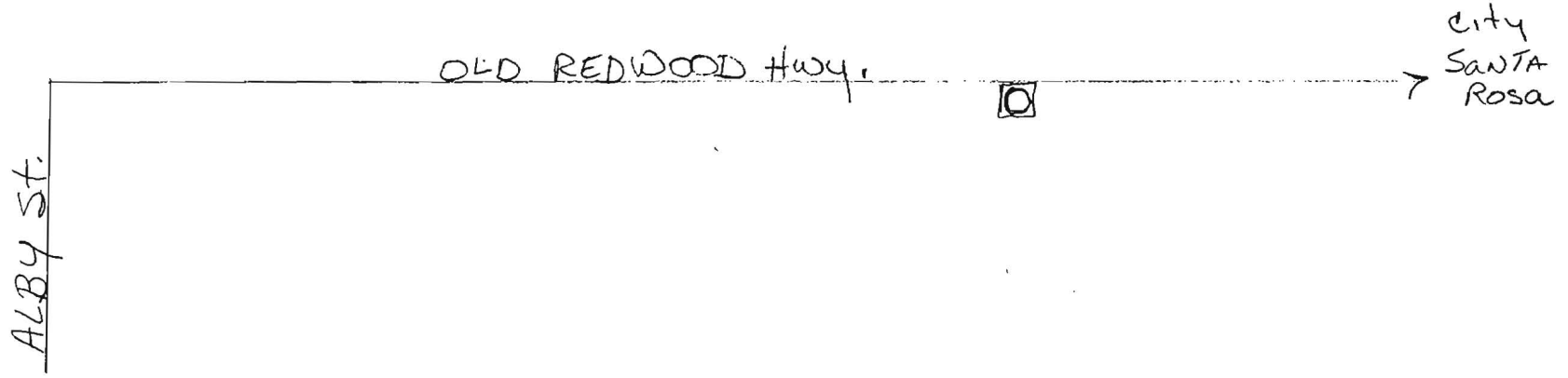
Form 24-ADM-1005 REV. 10/98

LOCATOR POST PLACEMENT	Date: 7-9-01	AFE: 4875	County: Sonoma	Spread: 4A

Alignment Sheet: 137 **C/L Station No.:** Sta# 644+33 **City :** WINDSOR

Nearest Intersection: MENDICINO & HOPPER / FOUNTAIN GROVE EXPRESSWAY

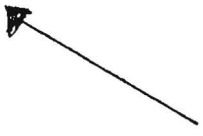
⇦ **Point Arena** (Sketch indicating roads) **Sacramento** ⇨



Driving Directions (from nearest major highway):

N. ON 101 TO MENDICINO + HOPPER EXIT
TURN LEFT ON TO OLD REDWOOD HWY. APPROX 1 MILE
ON LEFT HAND SIDE OF OLD REDWOOD Hwy.

Indicate NORTH



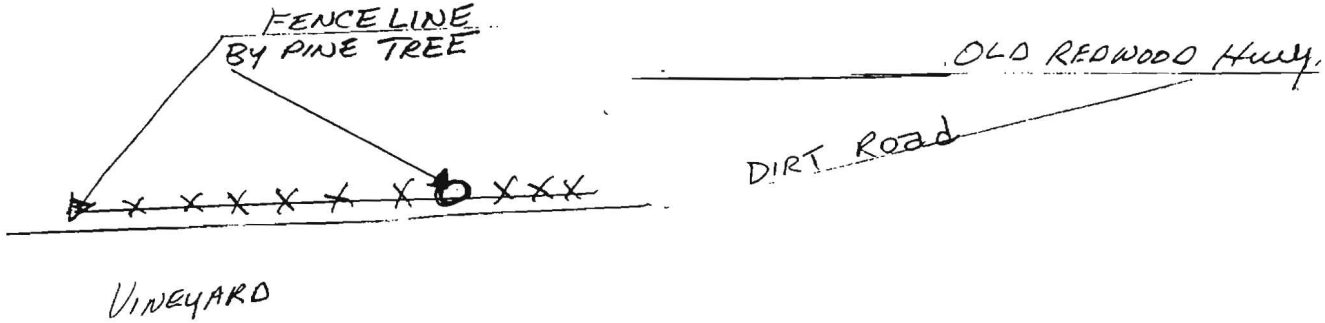
Japan Cable Landing Diverse Route - Locater Posts connected to Tracer Wire

LOCATOR POST PLACEMENT	Date: 7-9-01	AFE: 4875	County: Sonoma	Spread: 4A

Alignment Sheet: 98 **C/L Station No.:** Sta # 121+00 **City :** WINDSOR

Nearest Intersection: WINDSOR SIDE OF RUSSIAN RIVER

⇦ **Point Arena** (Sketch indicating roads) **Sacramento** ⇨



Driving Directions (from nearest major highway):

EXIT N. 101 RIGHT TURN TO OLD REDWOOD Hwy, SECOND LIGHT TURN RIGHT WILL Still be on Old REDWOOD Hy TO RUSSION RIVER, just pass GRANT School Road. Follow Down Road ENTRANCE, THROUGH DIRT ROAD DOWN TO VINEYARD. Post @ PINE TREE RIGHT HAND SIDE

Indicate NORTH



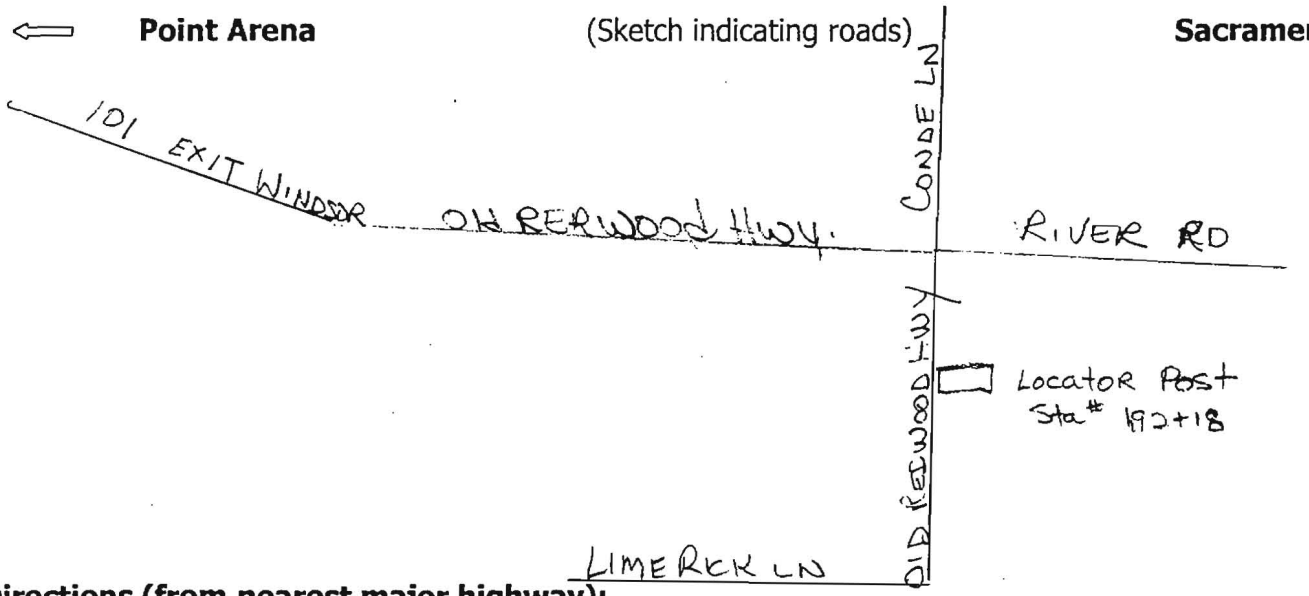
Japan Cable Landing Diverse Route - Locater Posts connected to Tracer Wire

LOCATOR POST PLACEMENT	Date: 7-9-01	AFE: 4875	County: Sonoma	Spread: 4A

Alignment Sheet: 13 **C/L Station No.:** Sta # 192+18 **City :** WINDSOR

Nearest Intersection: BETWEEN RIVER RD. & LIMERICK LN

⇦ **Point Arena** (Sketch indicating roads) **Sacramento** ⇨



Driving Directions (from nearest major highway):

EXIT 101 HWY AT WINDSOR LEFT HAND TURN) ON OLD REDWOOD HWY TO (CONDE LN. + RIVER DR) AT LIGHT MAKE RIGHT HAND TURN) ON REDWOOD HWY APPROX 3500 FT SOUTH OF LIMERICK LN.

Indicate NORTH



Williams COMMUNICATIONS

Inspector Daily Report

Page 1 of 1

Name: GLORIA TABOR

Spread/Site Number: 4875-4A

Hours Worked: 10 HRS.

Day: Mo (Tu) We Th Fr Sa Su

Weather: SUNNY

Date: 6-12-01

Temp: 80's

Contract No:

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL TRACER WIRE	X		6.11	81-101	07+00	104+43	9,743' ✓
1	INSTALL LOCATER POST	X		3.81	90	54+64		1 ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: LOCATER POST AT CORNER OF WESTSIDE AND KINNEY DR. IN HEALDSBURG, Ca.
H.H. @ Sta # 54+64 34'0/S ℄

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Distribution: Original - Spread Supervisor Yellow - Contractor Pink - Inspector

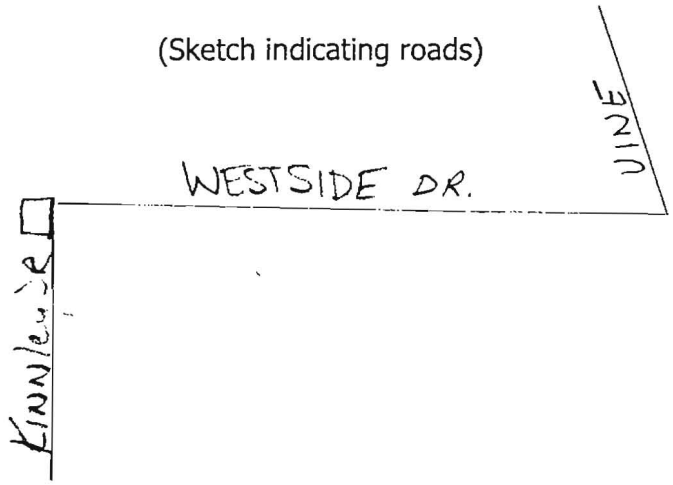
Form 24-ADM-1005 REV. 10/98

LOCATOR POST PLACEMENT	Date: 6-12-01	AFE: 4875	County: Sonoma	Spread: 4A

Alignment Sheet: 90 **C/L Station No.:** STA # 54+64 **City :** HEALDSBURG

Nearest Intersection: WESTSIDE AND Kinnley DR

⇦ **Point Arena** (Sketch indicating roads) **Sacramento** ⇨



Driving Directions (from nearest major highway):

EXIT 101 NORTH AT CENTRAL HEALDSBURG GO NORTH TO WESTSIDE LEFT TURN ON WESTSIDE TO KINNLEY. ON CORNOR OF KINNLEY DR & WESTSIDE

Indicate NORTH



FLORA TABOR

Japan Cable Landing Diverse Route - Locater Posts connected to Tracer Wire

Japan Cable Landing Diverse Route: Spread South 4A
Tidwell - Contract 99P1541.22
Handholes / Manholes / Locator Posts

Item No	Inspection Date	Alignment Sheet	Centerline Station	Units Installed	Description
3.42	2/1/01	84	21+40	1	Manhole
3.42	2/1/01	84	21+52	1	Manhole
3.42	2/20/01	87	40+35	1	Manhole
3.42	3/17/01	87	41+81	1	Manhole
3.42	4/6/01	89	52+22	1	Manhole
3.41	4/12/01	90	54+64	1	Handhole
3.81	6/12/01	90	54+64	1	Locator Post
3.42	12/21/00	92	69+98	1	Manhole
3.41	4/12/01	93	76+39	1	Handhole
3.41	6/6/01	93	77+93	1	Handhole
3.42	12/22/00	97	100+55	1	Manhole
3.81	7/9/01	98	121+00	1	Locator Post
3.42	1/9/01	104	139+00	1	Manhole
3.42	1/9/01	104	140+90	1	Manhole
3.42	6/6/01	107	156+62	1	Manhole
3.42	12/27/00	113	192+18	1	Manhole
3.81	7/9/01	113	19218	1	Locator Post
3.42	12/27/00	115	205+15	1	Manhole
3.42	12/21/00	118	222+13	1	Manhole
3.42	12/21/00	121	241+39	1	Manhole
3.42	12/21/00	121	241+60	1	Manhole
3.41	12/21/00	1	256+20	1	Handhole
3.42	12/12/00	4	274+75	1	Manhole
3.42	12/21/00	5	283+20	1	Manhole
3.42	12/21/00	6	289+20	1	Manhole
3.42	12/21/00	8	299+75	1	Manhole
3.42	3/17/01	10	314+58	1	Manhole
3.42	12/6/00	14	333+50	1	Manhole
3.42	12/6/00	15	338+49	1	Manhole
3.42	4/12/01	19	348+08	1	Manhole
3.42	4/5/01	20	368+45	1	Manhole
3.42	12/21/00	23	390+40	1	Manhole
3.42	12/15/00	24	395+81	1	Manhole
3.42	12/15/00	27	416+84	1	Manhole
3.42	12/1/00	30	434+06	1	Manhole
3.42	12/1/00	33	450+52	1	Manhole
3.42	11/30/00	37	473+55	1	Manhole
3.42	3/13/01	122	476+53	1	Manhole
3.42	12/15/00	123	500+75	1	Manhole
3.42	12/15/00	125	512+67	1	Manhole
3.42	12/15/00	126	529+17	1	Manhole
3.42	12/15/00	127	541+10	1	Manhole
3.42	12/15/00	127	541+95	1	Manhole
3.42	12/21/00	127	545+31	1	Manhole

Updated by Peggy Dunavan June 15, 2001

3.42	12/21/00	129	559+85	1	Manhole
3.42	3/9/01	129	564+55	1	Manhole
3.42	3/9/01	129	567+15	1	Manhole
3.42	3/9/01	130	572+35	1	Manhole
3.42	3/9/01	130	577+70	1	Manhole
3.42	3/9/01	131	592+15	1	Manhole
3.42	12/22/00	133	612+50	1	Manhole
3.42	12/15/00	133	617+50	1	Manhole
3.42	12/21/00	134	624+10	1	Manhole
3.42	12/15/00	136	644+33	1	Manhole
3.81	7/9/01	137	644+33	1	Locator Post
3.42	12/15/00	136	647+12	1	Manhole
3.42	12/15/00	134	664+38	1	Manhole
3.42	11/30/00	147	735+32	1	Manhole
3.42	2/13/01	150	757+02	1	Manhole
3.42	3/10/01	151	759+60	1	Manhole
3.42	2/6/01	151	760+89	1	Manhole
3.42	11/29/00	152	768+29	1	Manhole
3.42	12/1/00	155	782+94	1	Manhole
3.42	1/9/01	155	796+06	1	Manhole
3.42	12/11/00	160	810+67	1	Manhole
3.42	12/15/00	162	823+93	1	Manhole
3.42	1/10/01	166	841+84	1	Manhole
3.42	11/17/00	170	867+78	1	Manhole
3.42	11/17/00	170	871+38	1	Manhole
3.42	3/8/01	172	882+27	1	Manhole
3.42	3/8/01	172	884+15	1	Manhole
3.42	3/5/01	173	888+90	1	Manhole
3.42	3/29/01	174	892+64	1	Manhole
3.42	3/29/01	174	894+04	1	Manhole
3.42	1/18/01	175	896+70	1	Manhole
3.42	1/18/01	175	899+03	1	Manhole
3.42	4/2/01	178	917+58	1	Manhole
3.42	1/16/01	182	940+41	1	Manhole
3.42	1/23/01	185	960+12	1	Manhole
3.42	3/5/01	188	975+37	1	Manhole
3.42	3/5/01	189	984+30	1	Manhole
3.42	1/30/01	192	998+69	1	Manhole
3.42	2/3/01	195	1030+26	1	Manhole
3.41 Total - Handholes				**4**	
3.42 Total - Manholes				**75**	
3.81 Total - Locator Posts				**4**	

Inspector Daily Report

Page 1 of 1

Name: Jeff D McKoy

Spread/Site Number: 4A-4875

Day: Mo Tu (We) Th Fr Sa Su Date: 02-07-01

Contract No: 99P154-14

Hours Worked: 10

Weather: Sunny & Clear Temp: 34°

Contractor: MGE

Contractor Equipment on Site (Quality & Type): One 2720 Ditch Witch Bore Machine with Water & Mud Unit, One Vac Truck One Poly Trailer, One Back Hoe Two Trucks with Tools & Equipment & Crewman & Foreman

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO 11+58	UNIT QTY. 458
1st	Installed 3" HDPE			2.11	082	7+00	11+59	459'
2nd	Installed 3" HDPE			1.11	082	7+00	11+59	459'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector Observed The Contractor Boring and Pulling Conduits.

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Distribution: Original - Spread Supervisor Yellow - Contractor Pink - Inspector

Form 24-ADM-1005 REV. 10/98

Williams COMMUNICATIONS

Inspector Daily Report

Page _____ of _____

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 1-8-01 Contract No: 99P154,11

Hours Worked: 10 Weather: RAIN Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BORE RIG, 1-MUD TRUCK, 1-VAC TRUCK

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (MGE)	V		2.11	SARC-82,83	11+58	15+35	377'
2	INSTALL CONDUIT (MGE)	V		2.11	SARC-83,84	15+35	18+92	357'
					SARC-83	MATCHLINE 11+93		

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

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Form 24-ADM-1005 REV. 10/98

Inspector Daily Report

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A

Day: Mo Tu We ~~Th~~ Fr Sa Su Date: 2-1-01

Contract No: 99P154.11

Hours Worked: 10

Weather: CLEAR Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BORE RIG, 1-MUD TRUCK, 1-VAC TRAILER, 1-BACKHOE SUP. MGE

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (MGE)	✓		3.42	SARC-84	21+40	21+40	1 ✓
2	INSTALL MANHOLE (MGE)	✓		3.42	SARC-84	21+52	21+52	1 ✓
3	INSTALL CONDUIT (MGE)	✓		2.11	SARC-86,87	35+21	40+35	514' ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Distribution: Original Spread Supervisor Yellow Contractor Pink Inspector

Form 24 ADM 1005 REV 10/98

Inspector Daily Report

Page _____ of _____

Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875

Day: Mo Tu (We) Th Fr Sa Su Date: 1-31-01

Contract No: 99P154.11

Hours Worked: 10

Weather: CLEAR Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): SUB-M6-E

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL HDPE CONDUIT	✓		2.11	SARC-84	18+92	21+42	250' ✓
2	INSTALL HDPE CONDUIT	✓		2.11	SARC-84,85	21+42	27+04	562' ✓
3	INSTALL HDPE CONDUIT	✓		2.11	SARC-85	27+04	29+80	276' ✓
4	INSTALL HDPE CONDUIT	✓		2.11	SARC-85,86	29+80	35+21	541' ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

2.11 1,629'

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A

Day: Mo Tu We ~~Th~~ Fr Sa Su Date: 2-1-01

Contract No: 99P154.11

Hours Worked: 10

Weather: CLEAR Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BORE RIG, 1-MUD TRUCK, 1-VAC TRAILER, 1-BACKHOE SUB-MGE

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (MGE)	✓		3.42	SARC-84	21+40	21+40	1 ✓
2	INSTALL MANHOLE (MGE)	✓		3.42	SARC-84	21+52	21+52	1 ✓
3	INSTALL CONDUIT (MGE)	✓		2.11	SARC-86,87	35+21	40+35	514' ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

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Name: Jeff D McKoy

Spread/Site Number: 4A

Hours Worked: 10

Day: Mo Tu We Th (Fr) Sa Su

Weather: Partly Cloudy

Date: 02-16-01

Temp: 54°

Contract No: 99P1541~~14~~ 22

Contractor: MGE

Contractor Equipment on Site (Quality & Type): One Bore Machine with Water & Mud Unit One Backhoe. One Trailer with Poly Reels One Utility Vehicle with Tools & Road Signs and 4 Man Crew

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1#	Installed 3 HDPE			2.11	087	40+35	41+81	146' ✓
~~2#~~	~~Installed 3 HDPE~~			~~1.11~~	~~087~~	~~40+35~~	~~41+81~~	~~146~~

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed Contractor. Pulling Poly.

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Name: Jeff D McKoy

Spread/Site Number: 4A-4875

Day: Mo Tu We Th Fr Sa Su Date: 02-20-01 Contract No: 99PB54-M

Hours Worked: Weather: Rain Temp: 49° Contractor: MGE

Contractor Equipment on Site (Quality & Type): Back Hoe, Dump Truck, One Utility Truck with Tools, One Truck with Tools, One Pick up & Road Signs

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	Installed Manhole			3.42	087	40+35	40+35	1 V

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed contractor Placing Manhole

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Inspector Daily Report

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Name: Jeff D McKay

Spread/Site Number: 4A-4875

Day: (Mo) Tu We Th Fr Sa Su Date: 03-19-01 Contract No: 99P154I-22

Hours Worked: 10 Weather: Sunny/Clear Temp: 68 Contractor: MGE

Contractor Equipment on Site (Quality & Type): Back Hoe, Flat Bed Truck One Pickup with Roadsight

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1#	Installed Man Hole			3.42	W-087	41+81	41+81	1 ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The MGE Contractor Placed Man Hole and Slurry-Off.

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Williams COMMUNICATIONS

Name: Jeff D McKay

Spread/Site Number: 14A-4875

Day: Mo Tu We (Th) Fr Sa Su

Date: 02-22-01

Contract No: 99P154-14

Hours Worked: 10

Weather: Rain

Temp: 30°

Contractor: MGE

Contractor Equipment on Site (Quality & Type): NA

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1#	INSTALLED 3# POE			2.11	088	41+81	48+00	619' ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed contractor Boring & Pulling Product

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Williams COMMUNICATIONS

Name: GLORIA TABOR
Spread/Site Number: 4875-4A
Hours Worked: 10 HRS.

Day: Mo (Tu) We Th Fr Sa Su Date: 3-13-01
Weather: SUNNY Temp: 70°

Contract No: 99P154.11
Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): _____

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL H.O.R.E. (2) 1½ (1) 1¼	X		2.11	~~88~~-89	~~48+00~~ ~~46+99~~	52+22	~~515~~ 422 ✓
1	INSTALL M.H. BOX	X		3.42	122	476+53		1 ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: Jeff D McKay

Spread/Site Number: 4A-4873 Day: Mo (Tu) We Th Fr Sa Su Date: 04-17-01 Contract No: 9971541-22

Hours Worked: 10 Weather: Sunny & Clear Temp: 70' Contractor: TD Well

Contractor Equipment on Site (Quality & Type): Back Hoe, Flat Bed with Tools, Equipment and Winch. One Pick up with Tools & Road Signs.

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
III	Installed WCG Conduits			1.11	W89	32+22	54+64	242' V

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed Contractor Pull 6 WCG Conduits Across Westside & Kinley - 1.5 Orange 1.5 Blue 4-1.25 Black

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Williams COMMUNICATIONS

Name: GLORIA TABOR

Spread/Site Number: 4875-4A

Hours Worked: 10 HRS.

Day: Mo Tu We Th (Fr) Sa Su Date: 3-9-01

Weather: SUNNY Temp: 62°

Contract No: 99P154.11

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL M.H	X		3.42	130	572+35		1 ✓
2	INSTALL M.H.	X		3.42	130	577+70		1 ✓
3	INSTALL M.H.	X		3.42	129	567+15		1 ✓
4	INSTALL M.H	X		3.42	129	564+55		1 ✓
5	INSTALL M.H.	X		3.42	131	592+15		1 ✓
6	INSTALL 6" STEEL	X		4.112	129	565+28	566+79	1 ✓
7	INSTALL 6" STEEL	X		4.11	89	52+22	54+08	1 ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation
(6)	BRIDGE ATTACHMENT - MARK WEST SPRING CREEK @ OLD REDWOOD HWY				
(7)	BRIDGE ATTACHMENT - FOSS CREEK @ MILL STREET				

REMARKS: BRIDGE ATTACHMENT (ON OLD REDWOOD HIGHWAY) MARK WEST SPRING CREEK STA# 565+28 TO STA# 566+79

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Name: Todd McKay

Spread/Site Number: 4A-4875 Day: Mo Tu We (Th) Fr Sa Su Date: 4-12-01 Contract No: 99D154-22

Hours Worked: 10 Weather: Sunny & Clear Temp: 69° Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): One Back Hoe, One Dump Truck with Asphalt, One Steam Roller Unit, One asphalt Trimmer, One Pick up with Tools.

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1st	Trench & Installed 6" Steel Pipe			2.11	W-90	34+08	34+31	23'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed, Contractor Trenching and Placing 6" Pipe to Bridge Attachment - from Kinsey To West side RD.

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Name: Jeff D McKoy

Spread/Site Number: 4P-4875 Day: Mo Tu We (Th) Fr Sa Su Date: 4-12-01 Contract No: 99B541-22

Hours Worked: 10 Weather: Sunny/Clear Temp: 69° Contractor: Tidwell

Contractor Equipment on Site (Quality & Type): One Back Hoe, One Dump Truck with Asphalt, One Steam Roller Unit, One Asphalt Tamper, One Pick up with Tools.

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	Trench Installed 6" Steel Pipe			2.11	W-90	34+31	34+34	33' ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed, contractor Trenching and Placing 6" Steel Pipe Cross Kinsey Rd

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Williams COMMUNICATIONS

Name: Erik Balling

Spread/Site Number: Spread 4A / 4875

Day: Mo Tu We ~~Th~~ Fr Sa Su Date: 12/21/00

Contract No: 99P154,11

Hours Worked: 10

Weather: RAIN Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
12	INSTALL MANHOLE (TIDWELL)	✓		3.42	SARC-92	69+98	69+98	1
13	INSTALL MANHOLE (MGE)	✓		3.42	SARC-127	545+31	545+31	1
14	INSTALL MANHOLE (WTEK)	✓		3.42	SARC-134	624+10	624+10	1
15	INSTALL MANHOLE (WTEK)	✓		3.42	SARC-129	559+85	559+85	1
16	INSTALL CONDUIT & (AMERICAN BORING)	✓		2.11	SARC-90	54+64	60+21	557'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

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Inspector Daily Report

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875

Day: Mo Tu We Th Fr Sa Su Date: 12-1-00

Contract No: 99AS4.11

Hours Worked: 10

Weather: CLEAR

Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BORE RIG, 3-BACKHOE, 1-MUDTRUCK, 1-VAC TRUCK

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (AMERICAN)	✓		2.11	SARC-91	60+21	65+04	483'
2	INSTALL CONDUIT (ABS)	✓		2.11	SARC-28W	421+81	421+86	5'
3	INSTALL CONDUIT (ABS)	✓			SARC-29W	427+84	427+84	SPLICE PT
5	INSTALL MANHOLE (ABS)	✓		3.42	SARC-30W	434+06	434+06	1'
6	INSTALL CONDUIT (ABS)	✓			SARC-32W	441+12	441+21	9'
7	INSTALL MANHOLE (ABS)	✓		3.42	SARC-33W	450+52	450+52	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: #1 - INSTALLED BY AMERICAN BORING, NO 2-6 INSTALLED BY ABS, NOTE 427+84 = SPLICE POINT -

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A/4875 Day: Mo Tu We Th Fr ~~Sa~~ Su Date: 12-2-00 Contract No: 99PIS4.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE RIGS, 3-MUDTRUCKS, 3-VAC TRUCKS, 3-BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (AMERICAN)	✓	'	2.11	SARC-91, 92	65+04	69+98	494'
2	INSTALL CONDUIT (ABS)	✓	'	2.11	SARC-22W, 23W	383+40	390+40	700'
3	INSTALL CONDUIT (ABS)	✓	'	2.11	SARC-23W, 24W	390+40	395+81	541'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1 INSTALLED BY AMERICAN BORING, NO. 2, 3 INSTALLED BY ABS

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 12-4-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BORE RIG, 1-MUDTRUCK, 1-VAC TRUCK, 1-BACKHOE

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (AMERICAN BORING)	✓		2, 11	SARC-92, 93	69+98	72+54	256'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1 INSTALLED BY AMERICAN BORING

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Name: Ted McKay

Spread/Site Number: 4A-4895

Day: Mo Tu We Th (Fr) Sa Su Date: 02-23-01

Contract No: 99854I-14

Hours Worked: 10

Weather: Sunny & Clear Temp: 64°

Contractor: TD Mill

Contractor Equipment on Site (Quality & Type): One Back Hoe, One 2720 Ditch Witch Bore Machine with Mud & Water Unit One Poly Rock Trailer & Two Pick up Trucks with Road Signs and Tools & Crew man Foreman

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1#	Installed 3 HDPE			2.11	93?	72+54	76+09	355' ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed the contractor Bore & Pulling Product All work was performed safely.

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Williams COMMUNICATIONS

Name: GLORIA TABOR
Spread/Site Number: 4A
Hours Worked: 10 HRS

Day: Mo (Tu) We Th Fr Sa Su
Weather: SUNNY

Date: 6-6-01
Temp: 75°

Contract No: 99P154.11
Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): _____

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	Install H.D.PE(2)1½(1)1¼	X		c 2.11	93	76+09	76+19	10'
	TRENCH							
1	INSTALL H.D.PE.(2)1½(1)1¼	X		2.11	93	77+34	77+83	49'
	TRENCH							
1	INSTALL H.H. BOX	X		3.41	93	77+83		1 V
1	Install 6"OD Steel	X			93	76+19	77+34	115'
	BRIDGE ATTACHMENT							
	FOSS CR ON KINNley 4-A							
1	INSTALL H.D.P.E							
	BRIDGE ATTACHMENT	X		2.11	93	76+09	77+83	174' V
	FOSS CR ON KINNley							

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: Jeff D McKoy

Spread/Site Number: 4A-4875 Day: (Mo) Tu We Th Fr Sa Su Date: 02-26-01 Contract No: 99P154-14

Hours Worked: 10 Weather: Sunny & Clear. Temp: 60° Contractor: TDWell

Contractor Equipment on Site (Quality & Type): One 2720 Ditch Witch Bore Machine with Mud & Water Unit, One Backhoe One Poly Reel Trailer, One Dump Truck, One Vacor Pot Hole Unit, One Utility Truck with Tools & Rod 3.9#3. 6 Man Crew with Foreman.

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1#	INSTALLED 3" HDPE			2.11	094	77+83	80+83	300' ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed the contractor Pot Hole utilities, Bores and Placing conduits.

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 12-6-00 Contract No: 99P154,11

Hours Worked: 10 Weather: CLEAR Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2 - BORE RIGS, 2-MUD TRUCKS, 1-VAC TRAILER, 4-BACKHOES

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT AMERICAN BORING	✓	'	2,11 '	SARC-94,95	80+83	85+03	420'
2	INSTALL CONDUIT ABS	✓	'	2,11	SARC-119	228+06	232+00	394'
3	INSTALL CONDUIT TIDWELL	✓	'	2,11	SARC-14W	333+47	333+54	7'
4	INSTALL MANHOLE TIDWELL	✓	'	3.42	SARC-14W	333+50	333+50	1
5	INSTALL CONDUIT TIDWELL	✓		2,11	SARC 15W	338+41	338+57	16'
6	INSTALL MANHOLE TIDWELL	✓		3,42	SARC-15W	338+49	338+49	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO.1 - INSTALLED BY AMERICAN BORING, NO.2 INSTALLED BY ABS, NO. 3,4,56 INSTALLED BY TIDWELL

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Williams COMMUNICATIONS

Name: JOHN McKay

Spread/Site Number: 4A-4875

Day: Mo Tu We (Th) Fr Sa Su

Date: 02-22-01

Contract No: 99P5341-14

Hours Worked: 10

Weather: Rain

Temp: 30°

Contractor: MGE

Contractor Equipment on Site (Quality & Type): N/A

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
ft	INSTALLED 3HDPE			2.11	96	85+03	90+38	535 ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed contractor Boring & Placing Product

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875

Day: Mo Tu ~~We~~ Th Fr Sa Su

Date: 12-13-00

Contract No: 99CX54.11

Hours Worked: 10

Weather: RAIN

Temp: 50's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): _____

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (AMERICAN BORING)	✓		2.11	SARC-96	90+38	95+37	499'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A/4875 Day: Mo Tu We Th Fr Sa Su Date: 12-16-00 Contract No: 99PB5411

Hours Worked: 10 Weather: CLEAR Temp: 70's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE MACHINES, 3-MUDTRUCKS, 3-BACKHOES, 2-VAC TRAILERS

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (American Boring)	✓	'	2.11	SARC-97	95+37 ?	100+51	514'
2	INSTALL CONDUIT (American Boring)	✓	'	2.11	SARC-97, 98	100+51	104+43	392'
3	INSTALL CONDUIT (ABS)	✓		2.11	SARC-1W, 2W	256+20	262+50	630'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: 1 & 2 INSTALLED BY AMERICAN BORING, 3 INSTALLED BY ABS

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Williams COMMUNICATIONS

Name: TODD HEIDRICK
Spread/Site Number: 4875 / 4A
Hours Worked: 10
Day: Mo Tu We Th (Fr) Sa Su
Weather: CLEAR
Date: 12-22-00
Temp: 60°
Contract No: 99P154,11
Contractor: TIDWELL
Contractor Equipment on Site (Quality & Type): BACKHOE

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (WTECH)	X		3,42	97	100+55	—	1
2	INSTALL MANHOLE (WTECH)	X		3,42	133	612+50	—	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: SET MANHOLES

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A 14875 Day: Mo ~~Tu~~ We Th Fr Sa Su Date: 12-19-00 Contract No: 99P154,11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE MACHINES, 3-MUDTRUCKS, 1-VAC TRAILERS, 3-BACK HOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓	'	2.11	SARL-101, 102	121+00	126+36	536'
2	INSTALL CONDUIT (ABS)	✓	'	2.11	SARL-102	126+36	129+60	324'
3	INSTALL CONDUIT (ABS)	✓		2.11	SARL-104	139+00	140+90	190'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu ~~We~~ Th Fr Sa Su Date: 12-20-00 Contract No: 99P154,11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BORE RIG, 1-MUD TRUCK, 1-BACKHOE, 1-VAC TRAILER

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11	SADC-102,103	129+60	135+33	573'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 12-18-00 Contract No: 99P5411

Hours Worked: 10 Weather: CLEAR Temp: 70's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2-BORE MACHINES, 2-MUD TRUCKS, 1-VAC TRAILER, 2-BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11	SABC-103,104	135+33	139+00	367'
2	INSTALL CONDUIT (ABS)	✓		2.11	SABC 102, 103	140+90	148+00	710

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 12-19-00 Contract No: 99P154/1

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE MACHINES, 3-MUDTRUCKS, 1-VAC TRAILERS, 3-BACK HOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓	1	2.11	SARC-101, 102	121+00	126+36	536'
2	INSTALL CONDUIT (ABS)	✓	1	2.11	SARC-102	126+36	129+60	324'
3	INSTALL CONDUIT (ABS)	✓		2.11	SARC-104	139+00	140+90	190'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 12-18-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 70's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2-BORE MACHINES, 2-MUD TRUCKS, 1-VAC TRAILER, 2-BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11	SARC-103,104	135+33	139+00	367'
2	INSTALL CONDUIT (ABS)	✓		2.11	SARC 102, 103	140+90	148+00	710

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: TODD HEIDRICK

Spread/Site Number: 4A / 4875

Day: Mo Tu We Th Fr Sa Su Date: 12-15-00

Contract No: 99P154,11

Hours Worked: 10

Weather: CLEAR Temp: 65°

Contractor: TIDWELL / ABS

Contractor Equipment on Site (Quality & Type): BORE RIG, VAC TRUCK, WATER TRUCK

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL BORED HDPE (ABS)	X	1	2,11	105-106	148+00	152+25	426'
2	INSTALL BORED HDPE (ABS)	X	1	2,11	106-107	152+25	156+62	437'
3	INSTALL BORED HDPE (TIDWELL)	X		2,11	2W-3W	262+50	268+19	569'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: ITEMS 1 & 2 ARE ABS BORES. ITEM 3 IS TIDWELL BORE

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Williams COMMUNICATIONS

Name: TODD HEIDRICK
Spread/Site Number: 4A / 4875
Hours Worked: 10
Day: Mo Tu We Th Fr (Sa) Su
Weather: SUNNY
Date: 12-16-00
Temp: 60°
Contract No: 99P154.11
Contractor: TIDWELL/ADS
Contractor Equipment on Site (Quality & Type): BORE RIG, WATER TRUCK, VAC TRUCK

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL BORED HDPE	X		2.11	107-108	156+62	162+94	632'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: BORED DR-HEALDSBURG-B

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Williams COMMUNICATIONS

Name: TODD HEIDRICK

Spread/Site Number: 4A / 4875

Hours Worked: 10

Day: Mo Tu We (Th) Fr Sa Su

Weather: CLEAR

Date: 12-28-00

Temp: 60°

Contract No: 99P154,11

Contractor: TIDWELL/ARS

Contractor Equipment on Site (Quality & Type): BACKHOE

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE	X		3.42	107	156+62	—	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: SET MANHOLE ON OLD REDWOOD HIGHWAY

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A/4875 Day: Mo Tu We Th Fr Sa Su Date: 12-14-00 Contract No: 99PS4.11

Hours Worked: 10 Weather: RAIN Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE MACHINES, 3-MUD TRUCKS, 2-VAC-TRAILERS

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-107,108	163+07	168+16	509'
2	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-113	192+18	194+70	252'
3	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-114,115	199+45	205+15	570'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: DR. HELDSBERG-C

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Williams COMMUNICATIONS

Name: TODD HEDRICK

Spread/Site Number: 4A / 4875

Day: Mo Tu We Th Fr (Sa) Su

Date: 12-30-00

Contract No: 99P154.11

Hours Worked: 10

Weather: SUNNY

Temp: 60°

Contractor: ABS

Contractor Equipment on Site (Quality & Type): (2) BORE CREWS

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL BORED HDPE	X		2.11	109	168+16	172+40	424'
2	INSTALL BORED HDPE	X		2.11	109-110	172+40	177+25	485'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: PULLED BACK 2 BORES ON OLD REDWOOD HIGHWAY

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Williams COMMUNICATIONS

Name: TODD HEIDRICK

Spread/Site Number: 4A / 4875

Day: Mo Tu (We) Th Fr Sa Su Date: 12-13-00

Contract No: 99P154,11

Hours Worked: 10

Weather: RAIN Temp: 55°

Contractor: TIDWELL / ABS

Contractor Equipment on Site (Quality & Type): BORE RIG, VAC TRUCK, WATER TRUCK

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL BORED HDPE	X		2,11	111-112	182+40	187+36	496'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: COMPLETED BORE ON OLD REDWOOD HIGHWAY

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Williams COMMUNICATIONS

Name: TODD HEIDRICK

Spread/Site Number: 4A / 4875

Hours Worked: 10

Day: Mo (Tu) We Th Fr Sa Su Date: 12-12-00

Weather: CLEAR Temp: 60°

Contract No: 99P154,11

Contractor: ABS

Contractor Equipment on Site (Quality & Type): BORE RIGS, WATER TRUCKS, VAC TRUCK

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL BORED HDPE	X		2.11	112-113	187+36	192+18	482
2	INSTALL BORED HDPE	X		2.11	113-114	194+70	199+45	475
3	INSTALL BORED HDPE	X		2.11	115-116	205+15	211+52	637'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: BORED ON OLD REDWOOD HIGHWAY

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4075 Day: Mo Tu We Th Fr Sa Su Date: 12-14-00 Contract No: 99PS4.11

Hours Worked: 10 Weather: RAIN Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE MACHINES, 3-MUD TRUCKS, 2-VAC-TRAILERS

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-107,108	163+07	168+16	509'
2	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-113	192+18	194+70	252'
3	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-114,115	199+45	205+15	570'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: TODD HEIDRICK
Spread/Site Number: 4A / 4875
Hours Worked: 10
Day: Mo Tu (We) Th Fr Sa Su
Date: 12-27-00
Weather: CLEAR
Temp: 65°
Contract No: 99P154,11
Contractor: TIDWELL/ABS
Contractor Equipment on Site (Quality & Type): BACKHOE

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE	X		3,42	113	192+18	—	1
2	INSTALL MANHOLE	X		3,42	115	205+15	—	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: SET MANHOLES

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Williams COMMUNICATIONS

Name: TODD HEIDRICK

Spread/Site Number: 4A / 4875

Day: Mo (Tu) We Th Fr Sa Su Date: 12-12-00

Contract No: 99P154,11

Hours Worked: 10

Weather: CLEAR Temp: 60°

Contractor: ABS

Contractor Equipment on Site (Quality & Type): BORE RIGS, WATER TRUCKS, VACTRUCK

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL BORED HDPE	X		2.11	112-113	187+36	192+18	482
2	INSTALL BORED HDPE	X		2.11	113-114	194+70	199+45	475
3	INSTALL BORED HDPE	X		2.11	115-116	205+15	211+52	637

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: BORED ON OLD REDWOOD HIGHWAY

This report is for informational purposes only and is not to be used for purposes of determining payment under the applicable contract. This report does not serve to amend or supersede the terms of the contract between the parties.

Original Spread Supervisor Yellow Contractor Pink Inspector

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A/4875 Day: Mo Tu We Th Fr Sa Su Date: 12-14-00 Contract No: 99PS4.11

Hours Worked: 10 Weather: RAIN Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE MACHINES, 3-MUD TRUCKS, 2-VAC-TRAILERS

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-107,108	163+07	168+16	509'
2	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-113	192+18	194+70	252'
3	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-114,115	199+45	205+15	570'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: TODD HEIDRICK

Spread/Site Number: 4A / 4875

Day: Mo Tu (We) Th Fr Sa Su

Date: 12-27-00

Contract No: 99P154,11

Hours Worked: 10

Weather: CLEAR

Temp: 65°

Contractor: TIDWELL/ABS

Contractor Equipment on Site (Quality & Type): BACKHOE

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE	X		3,42	113	192+18	—	1
2	INSTALL MANHOLE	X		3,42	115	205+15	—	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: SET MANHOLES

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Williams COMMUNICATIONS

Name: TODD HEIDRICK

Spread/Site Number: 4A / 4875

Day: Mo (Tu) We Th Fr Sa Su Date: 12-12-00

Contract No: 99P154,11

Hours Worked: 10

Weather: CLEAR Temp: 60°

Contractor: ABS

Contractor Equipment on Site (Quality & Type): BORE RIGS, WATER TRUCKS, VACTRUCK

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL BORED HDPE	X		2.11	112-113	187+36	192+18	482
2	INSTALL BORED HDPE	X		2.11	113-114	194+70	199+45	475
3	INSTALL BORED HDPE	X		2.11	115-116	205+15	211+52	637'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: BORED ON OLD REDWOOD HIGHWAY

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Williams. COMMUNICATIONS

Name: ERIC BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo ~~Tu~~ We Th Fr Sa Su Date: 12-12-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE MACHINES, 3-MUD TRUCKS, 2-VAC TRAILERS, 3-BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-116,117	211+52	216+55	503'
2	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-[illegible],117	216+55	222+13	558'
3	INSTALL CONDUIT ~~(ABS)~~ TIDWELL	✓		2.11 '	SARC-3W, 4W	268+19	272+43	424'
4	INSTALL MANHOLE TIDWELL	✓		3.42 '	SARC-4W	274+75	274+75	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 4 ⅝ INSTALLED BY TIDWELL

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 12-11-00 Contract No: 99P154.11

Hours Worked: 10 Weather: RAIN Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 4-BORE MACHINES, 4-MUD TRUCKS, 2-VACTRAILERS, 4-BACKHOE'S

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11	SARC-118	222+13	228+06	593' ✓
2	INSTALL CONDUIT (ABS)	✓		2.11	SARC-119	232+00	233+58	158' ✓
3	INSTALL CONDUIT (ABS)	✓		2.11	SARC-119, 120, 121	233+58	241+37	779' ✓
4	INSTALL CONDUIT (ABS)	✓		2.11	SARC-121, 122	241+37	247+10	573' ✓
5	INSTALL CONDUIT (ABS)	✓		2.11	SARC-121	241+35	241+35	65' *
6	INSTALL CONDUIT (ABS)	✓		2.11	SARC-121	241+60	241+60	65' *

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 5 & 6 ARE ACTUAL FOOTAGE FOR A ROAD CROSSING TO REGENERATION

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 12-6-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2 - BORE RIGS, 2-MUD TRUCKS, 1-VAC TRAILER, 4-BACKHOES

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT AMERICAN BORING	✓	1	2,11	SARC-94,95	80+83	85+03	420'
2	INSTALL CONDUIT ABS	✓	1	2,11	SARC-119	228+06	232+00	394'
3	INSTALL CONDUIT TIDWELL	✓	1	2,11	SARC-14W	333+47	333+54	7'
4	INSTALL MANHOLE TIDWELL	✓	1	3.42	SARC-14W	333+50	333+50	1
5	INSTALL CONDUIT TIDWELL	✓		2,11	SARC 15W	338+41	338+57	16'
6	INSTALL MANHOLE TIDWELL	✓		3,42	SARC-15W	338+49	338+49	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1 - INSTALLED BY AMERICAN BORING, NO. 2 INSTALLED BY ABS, NO. 3, 4, 5 & 6 INSTALLED BY TIDWELL

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 48TS

Day: Mo Tu We Th Fr Sa Su

Date: 12-21+00

Contract No: 99PIS411

Hours Worked: 10

Weather: RAIN

Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (ABS)	✓		3, 42	SARC-23W	390+40	390+40	1
2	INSTALL CONDUIT (TIDWELL)	✓		2, 11	SARC-8W	299+60	299+83	23'
3	INSTALL MANHOLE (TIDWELL)	✓		3, 42	SARC-8W	299+75	299+75	1
4	INSTALL CONDUIT (TIDWELL)	✓		2, 11	SARC-12W	323+50	323+77	27'
5	INSTALL CONDUIT (TIDWELL)	✓		2, 11	SARC-6W	289+16	289+23	7'
6	INSTALL MANHOLE (TIDWELL)	✓		3, 42	SARC-6W	289+20	289+20	1
7	INSTALL CONDUIT (TIDWELL)	✓		2, 11	SARC-5W	283+17	283+22	5'
8	INSTALL MANHOLE (TIDWELL)	✓		3, 42	SARC-5W	283+20	283+20	1
9	INSTALL HANDHOLE (ABS)	✓		3, 41	SARC-1W	256+20	256+20	1
10	INSTALL MANHOLE (ABS)	✓		3, 42	SARC-12I	241+60	241+60	1
11	INSTALL MANHOLE (ABS)	✓		3, 42	SARC-12I	241+39	241+39	1
11	INSTALL MANHOLE (ABS)	✓		3, 42	SARC-118	222+13	222+13	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 12-11-00 Contract No: 99P154.11

Hours Worked: 10 Weather: RAIN Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 4-BORE MACHINES, 4-MUD TRUCKS, 2-VAC TRAILERS, 4-BACKHOE's

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11	SARC-118	222+13	228+06	593' ✓
2	INSTALL CONDUIT (ABS)	✓		2.11	SARC-119	232+00	233+58	158' ✓
3	INSTALL CONDUIT (ABS)	✓		2.11	SARC-119, 120, 121	233+58	241+37	779' ✓
4	INSTALL CONDUIT (ABS)	✓		2.11	SARC-121, 122	241+37	247+10	573' ✓
5	INSTALL CONDUIT (ABS)	✓		2.11	SARC-121	241+35	241+35	65' *
6	INSTALL CONDUIT (ABS)	✓		2.11	SARC-121	241+60	241+60	65' *

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 5 & 6 ARE ACTUAL FOOTAGE FOR A ROAD CROSSING TO REGENERATION

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 9875 Day: Mo Tu We Th Fr Sa Su Date: 12-5-00 Contract No: 99PIS4,11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 4-BORE RIGS, 4-MUD TRUCKS, 4-VAC TRAILERS, 4-BORE BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (TIDWELL)	✓		2.11 #	SARC-15W, 16W	343+35	348+08	473'
2	INSTALL CONDUIT (ABS)	✓		2.11 #	SARC-21W, 22W	377+63	383+40	577'
3	INSTALL CONDUIT (ABS)	✓		2.11 #	SARC-20W, 21W	372+39	377+63	524'
4	INSTALL CONDUIT (ABS)	✓		2.11 #	SARC-123, 124	247+10	262+83	573'
5	INSTALL CONDUIT (ABS)	✓		2.11	SARC-123, 1W	262+83	256+20	337'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1 INSTALLED BY TIDWELL, NO. 2, 3, 4, 5 INSTALLED BY ABS

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 46873

Day: Mo Tu We Th Fr Sa Su

Date: 12-21+00

Contract No: 99P154/1

Hours Worked: 10

Weather: RAIN

Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): _____

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (ABS)	✓		3,42	SARC-23W	390+40	390+40	1
2	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-8W	299+60	299+83	23'
3	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-8W	299+75	299+75	1
4	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-12W	323+50	323+77	27'
5	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-6W	289+16	289+23	7'
6	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-6W	289+20	289+20	1
7	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-5W	283+17	283+22	5'
8	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-5W	283+20	283+20	1
9	INSTALL HANDHOLE (ABS)	✓		3,41	SARC-1W	256+20	256+20	1
10	INSTALL MANHOLE (ABS)	✓		3,42	SARC-12I	241+60	241+60	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-12I	241+39	241+39	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-118	222+13	222+13	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH DF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A/4875 Day: Mo Tu We Th Fr Sa Su Date: 12-16-00 Contract No: 99PB5411

Hours Worked: 10 Weather: CLEAR Temp: 70's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE MACHINES, 3-MUDTRUCKS, 3-BACKHOES, 2-VAC TRAILERS

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (American Boring)	✓	1	2.11	SARC-97	95+37 ?	100+51	514'
2	INSTALL CONDUIT (American Boring)	✓	"	2.11	SARC-97, 98	100+51	104+43	392'
3	INSTALL CONDUIT (ABS)	✓		2.11	SARC-1W, 2W	256+20	262+50	630'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: 1 & 2 INSTALLED BY AMERICAN BORING, #3 INSTALLED BY ABS

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Williams COMMUNICATIONS

Name: TODD HEIDRICK

Spread/Site Number: 4A / 4875

Day: Mo Tu We Th (Fr) Sa Su Date: 12-15-00

Contract No: 99P154,11

Hours Worked: 10

Weather: CLEAR Temp: 65°

Contractor: TIDWELL / ABS

Contractor Equipment on Site (Quality & Type): BORE RIG, VAC TRUCK, WATER TRUCK

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL BORED HDPE (ABS)	X		2,11	105-106	148+00	152+25	426'
2	INSTALL BORED HDPE (ABS)	X		2,11	106-107	152+25	156+62	437'
3	INSTALL BORED HDPE (TIDWELL)	X		2,11	2W-3W	262+50	268+19	569'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: ITEMS 1 & 2 ARE ABS BORES. ITEM 3 IS TIDWELL BORE

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Name: ERIC BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo ~~Tu~~ We Th Fr Sa Su Date: 12-12-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3-BORE MACHINES, 3-MUD TRUCKS, 2-VAC TRAILERS, 3-BACKHOES

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-116, 117	211+52	216+55	503'
2	INSTALL CONDUIT (ABS)	✓		2.11 '	SARC-[illegible], 117	216+55	222+13	558'
3	INSTALL CONDUIT ~~(ABS)~~ TIDWELL	✓		2.11 '	SARC-3W, 4W	268+19	272+43	424'
4	INSTALL MANHOLE TIDWELL	✓		3.42 '	SARC-4W	274+75	274+75	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 4 ⅘ INSTALLED BY TIDWELL

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4 / 4875 Day: Mo Tu We Th Fr Sa Su Date: 11-14-00 Contract No: 9905411

Hours Worked: 10 Weather: CLEAR Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2- BORE MACHINES, 2- VAC TRUCKS, 2-WATER TRUCKS, 1-BACK HOE

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL HDPE CONDUIT	✓		2.11	SARC-4W, 5W	272+43	274+75	232'
2	INSTALL HDPE CONDUIT	✓		2.11	SARC-5W	278+10	283+17	507'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

This report is for informational purposes only and is not to be used for purposes of determining payment under the applicable contract. This report does not serve to amend or supersede the terms of the contract between the parties.

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4 / 14875 Day: Mo Tu We Th Fr Sa Su Date: 11-10-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BACKHOE, 1-BORE MACHINE, 1-VAC TRUCK, 1-WATER TRUCK

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1.	INSTALL HDPE CONDUIT	✓		2.11	SAEC-4W, 5W	274+75	278+10	335'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4 / 4875 Day: Mo Tu We Th Fr Sa Su Date: 11-14-00 Contract No: 990654.11

Hours Worked: 10 Weather: CLEAR Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2- BORE MACHINES, 2- VAC TRUCKS, 2- WATER TRUCKS, 1- BAK HOE

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL HDPE CONDUIT	✓		2.11	SARC-4W, 5W	272+43	274+75	232'
2	INSTALL HDPE CONDUIT	✓		2.11	SARC-5W	278+10	283+17	507'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Inspector Daily Report

Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 12-21-00 Contract No: 99P154.11

Hours Worked: 10 Weather: RAIN Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): _____

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (ABS)	✓		3,42	SARC-23W	390+40	390+40	1
2	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-8W	299+60	299+83	23'
3	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-8W	299+75	299+75	1
4	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-12W	323+50	323+77	27'
5	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-6W	289+16	289+23	7'
6	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-6W	289+20	289+20	1
7	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-5W	283+17	283+22	5'
8	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-5W	283+20	283+20	1
9	INSTALL HANDHOLE (ABS)	✓		3,41	SARC-1W	256+20	256+20	1
10	INSTALL MANHOLE (ABS)	✓		3,42	SARC-12I	241+60	241+60	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-12I	241+39	241+39	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-118	222+13	222+13	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875

Day: Mo Tu We Th Fr Sa Su

Date: 12-21-00

Contract No: 99P154.11

Hours Worked: 10

Weather: RAIN

Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (ABS)	✓		3,42	SARC-23W	390+40	390+40	1
2	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-8W	299+60	299+83	23'
3	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-8W	299+75	299+75	1
4	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-12W	323+50	323+77	27'
5	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-6W	289+16	289+23	7'
6	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-6W	289+20	289+20	1
7	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-5W	283+17	283+22	5'
8	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-5W	283+20	283+20	1
9	INSTALL HANDHOLE (ABS)	✓		3,41	SARC-1W	256+20	256+20	1
10	INSTALL MANHOLE (ABS)	✓		3,42	SARC-121	241+60	241+60	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-121	241+39	241+39	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-118	222+13	222+13	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4 / 14875 Day: Mo Tu We ~~Th~~ Fr Sa Su Date: 11-16-00 Contract No: 99PC54.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2-BORE MACHINES, 2-MUD TRUCKS, 2-VAC TRUCKS, 2-BACK HOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT	✓		2.11	SARC-36W, 37W	468+75	473+52	477'
2	INSTALL CONDUIT	✓		2.11	SARC-5W, 6W	283+22	289+16	594'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1 - INSTALLED BY ADVANCED BORING, NO. 2 INSTALLED BY 2T'S/SONS

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Inspector Daily Report

Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4B73

Day: Mo Tu We Th Fr Sa Su

Date: 12-21+00

Contract No: 99P154I1

Hours Worked: 10

Weather: RAIN

Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (ABS)	✓		3,42	SARC-23W	390+40	390+40	1
2	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-8W	299+60	299+83	23'
3	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-8W	299+75	299+75	1
4	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-12W	323+50	323+77	27'
5	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-6W	289+16	289+23	7'
6	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-6W	289+20	289+20	1
7	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-5W	283+17	283+22	5'
8	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-5W	283+20	283+20	1
9	INSTALL HANDHOLE (ABS)	✓		3,41	SARC-1W	256+20	256+20	1
10	INSTALL MANHOLE (ABS)	✓		3,42	SARC-121	241+60	241+60	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-121	241+39	241+39	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-118	222+13	222+13	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

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Inspector Daily Report

Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875

Day: Mo Tu We Th Fr Sa Su

Date: 12-21-00

Contract No: 99P15411

Hours Worked: 10

Weather: RAIN

Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): _____

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (ABS)	✓		3,42	SARC-23W	390+40	390+40	1
2	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-8W	299+60	299+83	23'
3	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-8W	299+75	299+75	1
4	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-12W	323+50	323+77	27'
5	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-6W	289+16	289+23	7'
6	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-6W	289+20	289+20	1
7	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-5W	283+17	283+22	5'
8	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-5W	283+20	283+20	1
9	INSTALL HANDHOLE (ABS)	✓		3,41	SARC-1W	256+20	256+20	1
10	INSTALL MANHOLE (ABS)	✓		3,42	SARC-121	241+60	241+60	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-121	241+39	241+39	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-118	222+13	222+13	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: _____

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Williams COMMUNICATIONS

Inspector Daily Report

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4 / 4875 Day: Mo Tu We Th Fr Sa Su Date: 11-17-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2 - BORE MACHINES, 2 - MUD TRUCKS, 2 - VAC TRUCKS

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT	✓		2.11	SARC-35W, 36W	461+77	468+70	693'
2	INSTALL CONDUIT	✓		2.11	SARC-6W, 7W	289+23	292+13	290'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO.1 - ADVANCED BORING, NO.2 - TIDWELL

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu ~~We~~ Th Fr Sa Su Date: 11-29-00 Contract No: 99P154.11

Hours Worked: 10 Weather: RAIN Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BORE MACHINE, 1-MUD TRUCK, 1-VAC TRAILER, 3-BACK HOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (Trenched)	✓		2.11	SARC-7W	292+13	292+20	7'
2	INSTALL CONDUIT (Trenched)	✓		2.11	SARC-7W	294+91	295+00	9'
3	INSTALL CONDUIT (Trenched)	✓		2.11	SARC-9W	304+67	304+75	8'
4	INSTALL CONDUIT (ABS)	✓		2.11	SARC-28W,2N	407+90	411+92	402'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1,2,3 INSTALL BY TIDWELL, NO. 4 INSTALLED BY ABS

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 11-18-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 4-BORE MACHINES, 4-MUD TRUCKS, 4-VAC TRUCKS, 4-BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARC-7W	292+20	294+91	271'
2	INSTALL CONDUIT (ABS)	✓		2.11	SARC-33W	447+27	450+49	322'
3	INSTALL CONDUIT (ABS)	✓		2.11	SARC-34W,35W	456+18	461+71	553'
4	INSTALL CONDUIT (ABS)	✓		2.11	SARC-38W	473+60	477+38	378'
	EQUATION CHANGE					BACK 477+38	AHEAD 474+90	
5	INSTALL CONDUIT (ABS)	✓		2.11	SARC-122	474+90	476+50	160'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO.1 INSTALLED BY TIDWELL NO. 2,3,4,5 INSTALLED BY ABS

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Inspector Daily Report

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu ~~We~~ Th Fr Sa Su Date: 11-29-00 Contract No: 99P154.11

Hours Worked: 10 Weather: RAIN Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BORE MACHINE, 1-MUD TRUCK, 1-VAC TRAILER, 3-BACK HOES

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARC-7W	292+13	292+20	7'
2	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARC-7W	294+91	295+00	9'
3	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARC-9W	304+67	304+75	8'
4	INSTALL CONDUIT (ABS)	✓		2.11	SARC-26W,2N	407+90	411+92	402'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1,2,3 INSTALL BY TIDWELL, NO. 4 INSTALLED BY ABS

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875

Day: Mo Tu We Th Fr Sa Su Date: 11-20-00

Contract No: 99P154.11

Hours Worked: 10

Weather: CLEAR Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): _____

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (Tidwell)	✓		2.11	SARC-74, 84	295+00	299+60	460'
2	INSTALL CONDUIT (Westech)	✓		2.11	SARC-136, 137	653+26	656+15	289'
3	INSTALL CONDUIT (Westech)	✓		2.11	SARC-138	669+21	675+69	648'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1 INSTALLED BY TIDWELL, NO. 2, 3 INSTALLED BY WEST TECH

This report is for informational purposes only and is not to be used for purposes of determining payment under the applicable contract. This report does not serve to amend or supersede the terms of the contract between the parties.

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875

Day: Mo Tu We Th Fr Sa Su

Date: 12-21+00

Contract No: 99P154.11

Hours Worked: 10

Weather: RAIN

Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (ABS)	✓		3,42	SARC-23W	390+40	390+40	1
2	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-8W	299+60	299+83	23'
3	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-8W	299+75	299+75	1
4	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-12W	323+50	323+77	27'
5	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-6W	289+16	289+23	7'
6	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-6W	289+20	289+20	1
7	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-5W	283+17	283+22	5'
8	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-5W	283+20	283+20	1
9	INSTALL HANDHOLE (ABS)	✓		3,41	SARC-1W	256+20	256+20	1
10	INSTALL MANHOLE (ABS)	✓		3,42	SARC-12I	241+60	241+60	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-12I	241+39	241+39	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-118	222+13	222+13	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

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Yellow - Contractor Pink - Inspector

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4B75

Day: Mo Tu We Th Fr Sa Su Date: 12-21+00

Contract No: 99P15411

Hours Worked: 10

Weather: RAIN Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (ABS)	✓		3,42	SARC-23W	390+40	390+40	1
2	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-8W	299+60	299+83	23'
3	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-8W	299+75	299+75	1
4	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-12W	323+50	323+77	27'
5	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-6W	289+16	289+23	7'
6	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-6W	289+20	289+20	1
7	INSTALL CONDUIT (TIDWELL)	✓		2,11	SARC-5W	283+17	283+22	5'
8	INSTALL MANHOLE (TIDWELL)	✓		3,42	SARC-5W	283+20	283+20	1
9	INSTALL HANDHOLE (ABS)	✓		3,41	SARC-1W	256+20	256+20	1
10	INSTALL MANHOLE (ABS)	✓		3,42	SARC-12I	241+60	241+60	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-12I	241+39	241+39	1
11	INSTALL MANHOLE (ABS)	✓		3,42	SARC-118	222+13	222+13	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

This report is for informational purposes only and is not to be used for purposes of determining payment under the applicable contract. This report does not serve to amend or supersede the terms of the contract between the parties.

Yellow - Contractor Pink - Inspector

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 14875 Day: Mo Tu We Th Fr Sa Su Date: 11-21-00 Contract No: 99P154.11

Hours Worked: 10 Weather: RAIN Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): _____

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT	✓		2.11	SARC-8W, 9W	299+83	304+67	484'
2	INSTALL CONDUIT	✓		2.11	SARC-9W, 10W	304+75	309+14	439'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: BORES INSTALLED BY TIDWELL

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu ~~We~~ Th Fr Sa Su Date: 11-29-00 Contract No: 99P154.11

Hours Worked: 10 Weather: RAIN Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 1-BORE MACHINE, 1-MUD TRUCK, 1-VAC TRAILER, 3-BACK HOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARC-7W	292+13	292+20	7'
2	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARC-7W	294+91	295+00	9'
3	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARC-9W	304+67	304+75	8'
4	INSTALL CONDUIT (ABS)	✓		2.11	SARC-26W,2N	407+90	411+92	402'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1, 2, 3 INSTALL BY TIDWELL, NO. 4 INSTALLED BY ABS

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REDLINE

Williams COMMUNICATIONS

Inspector Daily Report

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Name: Jeff McKay

Spread/Site Number: 44-4875

Day: Mo (Tu) We Th Fr Sa Su Date: 03-20-01 Contract No: 99FB541-22

Hours Worked: 10 Weather: Sunny & Clear Temp: 69° Contractor: TD Well

Contractor Equipment on Site (Quality & Type): One Back Hoe, One Bore Machine with Mud & Water Unit. One Vac Unit One Flat Bed Truck with Tools & Equipment - 3 Man Crew

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1st	INSTALLED 3" HDPE			2.11	10	309+14	314+58	544 ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed the contractor Back Reem and Pull Williams 3 conduits. All work was performed safely

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Inspector Daily Report

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Williams COMMUNICATIONS

Name: John McKoy

Spread/Site Number: 4A

Hours Worked: 10

Day: Mo Tu We Th Fr (Sa) ~~Su~~ Date: 03-17-01 Contract No: 99P134-22

Weather: Sunny & Clear Temp: 68° Contractor: T Dutch

Contractor Equipment on Site (Quality & Type): Bore Machine - with Mud & Water unit - Back Hoe one Vac Truck one Flat Bed with Equipment & Road signs.

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALLED 3 HDPE			2.11	0/0	314+58	318+90	432'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector Observed The contractor Boring and Pulling Back Williams Conduits. off OLD REDWOOD RD Healdsburg J.

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Williams COMMUNICATIONS

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Name: Jeff D McKoy

Spread/Site Number: 4A - 4875 Day: Mo Tu We (Th) Fr Sa Su Date: 03-22-01 Contract No: 99PR541-22

Hours Worked: 10 Weather: 68° Temp: 68° Contractor: TRONCO

Contractor Equipment on Site (Quality & Type): BACK Hoe, One Dump Truck, Pick up Truck with Tools + Equipment

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	Man Hole 4X4X4			3.42	W10	314+58	314+58	1 ✓

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: The Williams inspector observed the Contractor placing MH and adding CDF-Slurry. On OLD REDWOOD RD - HEALDSBURG J.

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo Tu We Th Fr Sa Su Date: 11-22-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 3 - BORE RIGS, 3-MUDTRUCKS, 3-VAC TRAILERS, 3-BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (TID)	✓		2.11	SARC-11W, 12W	318+90	323+50	460'
2	INSTALL CONDUIT (ABS)	✓		2.11	SARC-24W, 30W	427+85	434+16	631'
3	INSTALL CONDUIT (ABS)	✓		2.11	SARC-33W, 34W	450+55	456+14	559'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1 INSTALLED BY TIDWELL, NO. 2, 3 INSTALLED BY ABS

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Inspector Daily Report

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 48TS

Day: Mo Tu We Th Fr Sa Su

Date: 12-21+00

Contract No: 99P154.11

Hours Worked: 10

Weather: RAIN

Temp: 60's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL MANHOLE (ABS)	✓		3, 42	SARC-23W	390+40	390+40	1
2	INSTALL CONDUIT (TIDWELL)	✓		2, 11	SARC-8W	299+60	299+83	23'
3	INSTALL MANHOLE (TIDWELL)	✓		3, 42	SARC-8W	299+75	299+75	1
4	INSTALL CONDUIT (TIDWELL)	✓		2, 11	SARC-12W	323+50	323+77	27'
5	INSTALL CONDUIT (TIDWELL)	✓		2, 11	SARC-6W	289+16	289+23	7'
6	INSTALL MANHOLE (TIDWELL)	✓		3, 42	SARC-6W	289+20	289+20	1
7	INSTALL CONDUIT (TIDWELL)	✓		2, 11	SARC-5W	283+17	283+22	5'
8	INSTALL MANHOLE (TIDWELL)	✓		3, 42	SARC-5W	283+20	283+20	1
9	INSTALL HANDHOLE (ABS)	✓		3, 41	SARC-1W	256+20	256+20	1
10	INSTALL MANHOLE (ABS)	✓		3, 42	SARC-12I	241+60	241+60	1
11	INSTALL MANHOLE (ABS)	✓		3, 42	SARC-12I	241+39	241+39	1
11	INSTALL MANHOLE (ABS)	✓		3, 42	SARC-11B	222+13	222+13	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

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Williams COMMUNICATIONS

Name: ERIC BALLING

Spread/Site Number: SPREAD 4A / 4075 Day: Mo Tu We Th Fr Sa Su Date: 11-27-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 50's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2-BORE MACHINES, 2-VAC TRAILERS, 2-MUD TRUCKS, 1-BACKHOE

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT	✓		2.11	SARC-12W, 13W	323+77	327+89	412'
2	INSTALL CONDUIT	✓		2.11	SARC-14W, 15W	333+54	338+41	487'
3	INSTALL CONDUIT	✓		2.11	SARC-13W	327+89	328+00	11'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1, 2 INSTALLED BY TIDWELL

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo ~~Tu~~ We Th Fr Sa Su Date: 11-28-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 6-BORE MACHINES, 6-MUD TRUCKS, 6-VAC TRAILERS, 6-BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARC-13W	328+00	333+47	547'
2	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARC-15W	338+57	343+35	478'
3	INSTALL CONDUIT (ABS)	✓		2.11	SARC-28W, 29W	416+88	421+81	493'
4	INSTALL CONDUIT (ABS)	✓		2.11	SARC-28W, 29W	421+86	427+85	599'
5	INSTALL CONDUIT (ABS)	✓		2.11	SARC-30W, 31W, 32W	434+16	441+12	696'
6	INSTALL CONDUIT (ABS)	✓		2.11	SARC-32W, 33W	441+21	447+22	601'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1, 2 INSTALLED BY TIDWELL, NO. 3, 4, 5, 6 INSTALLED BY ABS

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Inspector Daily Report

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875

Day: Mo Tu We Th Fr Sa Su Date: 12-6-00

Contract No: 99P154.11

Hours Worked: 10

Weather: CLEAR Temp: 50's

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 2-BORE RIGS, 2-MUD TRUCKS, 1-VAC TRAILER, 4-BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT AMERICAN BORING	✓	'	2.11 '	SARC-94.95	80+83	85+03	420'
2	INSTALL CONDUIT ABS	✓	'	2.11	SARC-119	228+06	232+00	394'
3	INSTALL CONDUIT Tidwell	✓	'	2.11	SARC-14W	333+47	333+54	7'
4	INSTALL MANHOLE Tidwell	✓	'	3.42	SARC-14W	333+50	333+50	1
5	INSTALL CONDUIT Tidwell	✓		2.11	SARC 15W	338+41	338+57	16'
6	INSTALL MANHOLE Tidwell	✓		3.42	SARC-15W	338+49	338+49	1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND [illegible] OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of For[illegible]tility	Reason for Adder Installation

REMARKS: NO.1 - INSTALLED BY AMERICAN BORING, NO.2 INSTALLED BY ABS, NO. 3, 4, 5 & 6 INSTALLED BY TIDWELL

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Inspector Daily Report

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Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 4875 Day: Mo ~~Tu~~ We Th Fr Sa Su Date: 11-28-00 Contract No: 99P154.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 6-BORE MACHINES, 6-MUD TRUCKS, 6-VAC TRAILERS, 6-BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARL-13W	328+00	333+47	547'
2	INSTALL CONDUIT (TIDWELL)	✓		2.11	SARL-15W	338+57	343+35	478'
3	INSTALL CONDUIT (ABS)	✓		2.11	SARL-28W, 29W	416+88	421+81	493'
4	INSTALL CONDUIT (ABS)	✓		2.11	SARL-28W, 29W	421+86	427+85	599'
5	INSTALL CONDUIT (ABS)	✓		2.11	SARL-30W, 31W, 32W	434+16	441+12	696'
6	INSTALL CONDUIT (ABS)	✓		2.11	SARL-32W, 33W	441+21	447+22	601'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1, 2 INSTALLED BY TIDWELL, NO. 3, 4, 5, 6 INSTALLED BY ABS

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Inspector Daily Report

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Williams COMMUNICATIONS

Name: ERIK BALLING

Spread/Site Number: SPREAD 4A / 9875 Day: Mo Tu We Th Fr Sa Su Date: 12-5-00 Contract No: 99PIS4.11

Hours Worked: 10 Weather: CLEAR Temp: 60's Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type): 4-BORE RIGS, 4-MUDTRUCKS, 4-VAC TRAILERS, 4-BORE BACKHOES

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL CONDUIT (TIDWELL)	✓		2.11 "	SARC-15W, 16W	343+35	348+08	473'
2	INSTALL CONDUIT (ABS)	✓		2.11 "	SARC-21W, 22W	377+63	383+40	577'
3	INSTALL CONDUIT (ABS)	✓		2.11 "	SARC-20W, 21W	372+39	377+63	524'
4	INSTALL CONDUIT (ABS)	✓		2.11 "	SARC-123, 124	247+10	252+83	573'
5	INSTALL CONDUIT (ABS)	✓		2.11	SARC-123, 1W	252+83	256+20	337'

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS: NO. 1 INSTALLED BY TIDWELL, NO. 2, 3, 4, 5 INSTALLED BY ABS

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Inspector Daily Report

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Williams COMMUNICATIONS

Name: GLORIA TABOR

Spread/Site Number: 4875-4A

Hours Worked: 10 HRS

Day: Mo Tu We Th Fr Sa Su

Weather: SUNNY

Date: 4-9-01

Temp: 58°

Contract No: 99P154.11

Contractor: TIDWELL

Contractor Equipment on Site (Quality & Type):

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL M/H	X		3.42	W16-W19	348+08		1

NOTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

COMMENTS: (C/L AND WIDTH OF OBSTACLE, WHY WAS ADDER REQUIRED, NAME AND DEPTH OF OBSTACLE, ETC.)

Item	Name of Obstacle	Width	C/L Station	Depth of Foreign Utility	Reason for Adder Installation

REMARKS:

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Form 24-ADM-1005 REV. 10/98

Williams

COMMUNICATIONS GROUP
Network Services

SONOMA COUNTY, CALIFORNIA

PLANS APPROVED FOR
ENCROACHMENT PERMIT
ENC 00-0069 10/20/00 JMC
PERMIT NO. DATE INITIAL

MAY 10, 2000

GENERAL NOTES AND REQUIREMENTS FOR INSTALLATION FOR FIBER OPTIC CABLE ON STATE/COUNTY HIGHWAY

1. SEE WILLIAMS OSP ENGINNERING & CONSTRUCTION HANDBOOK AND MATERIAL SPECIFICATIONS.
2. ALL WORK SHALL COMPLY WITH APPLICABLE STATE AND REGULATORY AGENCIES INCLUDING, BUT NOT LIMITED TO OSHA, ETC. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
3. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. NOT ALL EXISTING UTILITIES ARE SHOWN ON THIS PLAN.
4. DIRECTIONAL BORE SHALL BE A MINIMUM OF 60 INCHES DEEP AND BELOW BOTTOM OF PAVEMENT STRUCTURAL SECTIONS.
5. IT WILL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR TO MAINTAIN CONSTRUCTION AS-BUILT DRAWINGS AND PRESENT A COMPLETE SET OF DRAWINGS TO WILLIAMS WITHIN 14 DAYS OF COMPLETION OF WORK.
6. APPROXIMATE LOCATIONS OF WILLIAMS SPLICE BOXES ARE SHOWN ON THE PLANS. EXACT FINAL LOCATION OF SPLICE BOXES SHALL BE DETERMINED IN THE FIELD AFTER ALL EXISTING UTILITIES IN THE AREA OF WORK HAVE BEEN LOCATED. COORDINATE FINAL SPLICE BOX LOCATION WITH WILLIAMS.
7. THE COUNTY WATER DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO POT HOLING ANY COUNTY WATER, SANITARY SEWER, OR RECLAIMED WATER MAINS OR SERVICES.

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL CONTACT THE ADJACENT PROPERTY OWNERS A MINIMUM OF 72 HOURS IN ADVANCE OF CONSTRUCTION AT THE WORK SITE.
2. ALL TRAFFIC CONTROL DEVICES SHALL BE PUT IN PLACE BEFORE WORK IS STARTED. DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.
3. PEDESTRIAN TRAFFIC MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS MAY BE RELOCATED ONTO PRIVATE PROPERTY WITH OWNERS PERMISSION ONLY.
4. NO EQUIPMENT OR MATERIAL SHALL BE STORED OR PERMITTED TO STAND UNPROTECTED WHERE TRAFFIC IS MAINTAINED UNLESS IT IS ALLOWED BY CALTRANS TRAFFIC ENGINEER IN WRITING.
5. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON ROAD SURFACE DURING NON-WORKING PERIODS UNLESS IT IS ALLOWED BY CALTRANS TRAFFIC ENGINEER IN WRITING.
6. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON SIDEWALK AT ANY TIME.

   EXCAVATION MATERIAL SHALL BE STORED AWAY FROM THE PAVED ROADWAY WHENEVER POSSIBLE. ALL SPILLED MATERIAL IS TO BE REMOVED TO AVOID SLIPPERY CONDITIONS.
8. EXISTING SIGNS, DELINEATIONS, GUARDRAILS, MARKERS, TREES, SHRUBS, FENCES, WALKS, STEPS, ETC. THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE REPLACED OR RESTORED TO THEIR ORIGINAL CONDITION.
9. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN AREA OF WORK PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG AND NOTIFY ALL OTHER UTILITY COMPANIES AT LEAST 2 WORKING DAYS (BUT NOT MORE THAN 14 CALENDAR DAYS) PRIOR TO CONSTRUCTION.
10. CONTRACTOR SHALL USE HAND TOOLS AND EXTREME CARE WHEN WORKING IN CLOSE PROXIMITY TO EXISTING UTILITIES.
11. TRAFFIC SIGNAL DETECTOR LOOP CIRCUITS ARE NOT SHOWN. CONTRACTOR SHALL LOCATE ALL TRAFFIC SIGNAL DETECTOR LOOP CIRCUITS PRIOR TO ANY TRENCHING OR BORING. ALL TRAFFIC LOOP DETECTOR CIRCUITS SHALL BE MAINTAINED AND PROTECTED. NOTIFY TRAFFIC DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN THESE AREAS.
12. HORIZONTAL BORING INSTALLATION IS REQUIRED UNLESS TRENCHING OR PLOWING IS OTHERWISE APPROVED BY CALTRANS.
13. 2-1.9" & 1-1.5" HDPE DUCTS SHALL BE INSTALLED ON ALL HORIZONTAL DIRECTIONAL DRILLING RUNS, UNLESS OTHERWISE NOTED.
14. THE LOCATIONS AND SAFE CROSSINGS OF ALL FOREIGN UTILITIES IS THE SUBCONTRACTORS RESPONSIBILITY. HAND DIG WHERE REQUIRED.
15. A 12 INCH SEPARATION BETWEEN CONDUIT AND OTHER UTILITIES WILL BE MAINTAINED AT CROSSINGS.
16. AT THE END OF EACH WORKDAY, CONDUIT CAPS WILL BE PLACED ON ALL VACANT DUCTS.
17. THERE WILL BE NO TRENCHING THROUGH SIDEWALKS OR BENCH PADS.
18. ALL BORING SHALL BE ROUTED TO MISS ALL OBSTRUCTIONS THAT MAY BE ENCOUNTERED IN THE FIELD.
19. THE REMOVAL STORAGE AND REPLACEMENT OF ALL SHRUBBERY WILL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR.
20. CONDUITS WILL ACCESS MANHOLES IN A STRAIGHT LINE TO FACILITATE CABLE INSTALLATION.
21. PLACE 8 INCHES OF 3/4 INCH GRAVEL BASE BED AT ALL HANDHOLE/SPLICE BOX LOCATIONS. POUR 3 SACK SMOOTH FINISH CONCRETE SLAB. FOR BASE, MORTAR ALL SEAMS, JOINTS AND CONDUIT OPENINGS.
22. BORE OUTSIDE THE DRIP LINE OF ALL TREES TO PREVENT ROOT DAMAGE.
23. TOPS OF SPLICE BOXES SHALL BE SET FOR FUTURE SIDEWALK INSTALLATION IN SPECIFIED LOCATIONS.
24. MINIMIZE NUMBER OF POTHOLES WITHIN DRIP LINE OF A STREET TREE.
25. CONTRACTOR IS RESPONSIBLE TO ARRANGE A PRE CONSTRUCTION MEETING WITH CALTRANS INSPECTORS AT LEAST 24 HOURS BEFORE STARTING WORK.
26. CONTRACTOR SHALL CONFORM TO ALL JURISDICTIONAL BALL FILL PROCEDURES WHEN EXCAVATING IN RIGHT-OF-WAY.
27. SPARE CABLE IS TO BE ORDERED AT THE RATE OF 5% OR 1000 FEET, WHICHEVER IS THE GREATER BASED UPON THE TOTAL ORDER, OR PER REEL, AT THE DISCRETION OF WILLIAMS AND WITH CONSIDERATION OF AVAILABLE STOCK.
28. SIGNAL WIRE: BORE CONDUITS SHALL INCLUDE A TRACER/SIGNAL WIRE OR OTHER METHOD FOR FACILITATING LOCATION OF THE COMPLETION OF INSTALLATION.
29. BORE PIT: EXCAVATION AND RESTORATION OF BORING PITS SHALL BE IN ACCORDANCE WITH CALTRANS STANDARD PLANS FOR UTILITY EXCAVATIONS AND LOCATED TO THE SATISFACTION OF THE CALTRANS ENGINEER.
30. ANY DAMAGING OR REMOVAL OF TREES WITHIN STATE RIGHT OF WAY SHALL BE MITIGATED AND ANY REPLACED TREES SHALL BE MAINTAINED BY PERMITTEE FOR THE REQUIRED TREE ESTABLISHMENT PERIOD. PERMITTEE SHALL OBTAIN PERMITS FROM LOCALITIES AS REQUIRED.
31. LANDSCAPE SPECIALIST MR. JOHN PETERSON (510) 286-4410 AND CALTRANS TREE MAINTENANCE SUPERVISOR FOR NORTHBAY SHALL BE CONTACTED PRIOR TO SCHEDULING OF ANY WORK ENVOLVING TREES OR EXISTING LANDSCAPE.

SAFETY

1. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY AND SHALL BE RESPONSIBLE FOR ALL LIABILITY IMPOSED BY LAW FOR PERSONAL INJURY OR PROPERTY DAMAGE WHICH MAY ARISE OUT OF THE WORK PERFORMED UNDER THE ENCROACHMENT PERMIT, OR WHICH MAY ARISE OUT OF THE SAFETY FAILURE ON THE PART OF THE PERMITTEE TO PERFORM HIS OBLIGATIONS UNDER THIS PERMIT IN RESPECT TO MAINTENANCE OF THE ENCROACHMENT.
2. ALL TRAFFIC CONTROL SHALL CONFORM TO THE CURRENT CALIFORNIA DEPARTMENT OF TRANSPORTATION (MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONE) - (MANUAL OF WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS).
3. ALL EXCAVATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY AND HEALTH. THE PERMITTEE MAY BE REQUIRED TO OBTAIN A "PERMIT TO EXCAVATE" FROM THE DIVISION OF INDUSTRIAL SAFETY, DEPARTMENT OF INDUSTRIAL RELATIONS, STATE OF CALIFORNIA.
4. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL DEVICES FOR PEDESTRIAN AND VEHICULAR TRAFFIC SAFETY. UNSAFE CONDITIONS WILL BE CORRECTED BY CITY PERSONNEL (OR AGENTS THEREOF) AND THE PERMITTEE WILL BE BILLED FOR ALL EXPENSES INCURRED, OR COSTS SHALL BE RECOVERED FROM CASH DEPOSITS HELD FOR SUCH PURPOSES.

WILLIAMS

PROJECT MANAGER
JESSE LEE
(707) 836-9414

MANAGER OF ENGINEERING & CONSTRUCTION SERVICES
STEVE SWARTSLANDER
(918) 573-4687

MANAGER OF RIGHT-OF-WAY
DANIEL FLEMING
(918) 573-4837

CONSTRUCTION MANAGER
GARY TABOR
(805) 549-8738

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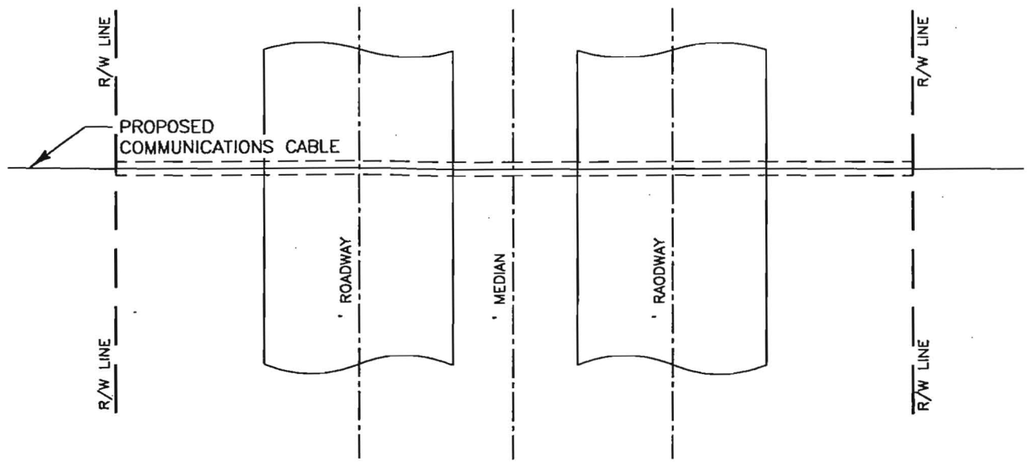
TYPICAL ROAD BORE
(DIVIDED HIGHWAY)



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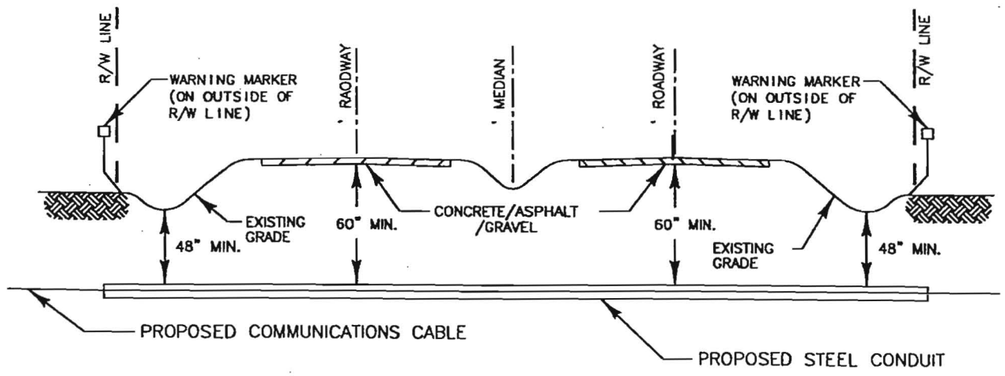
SCALE

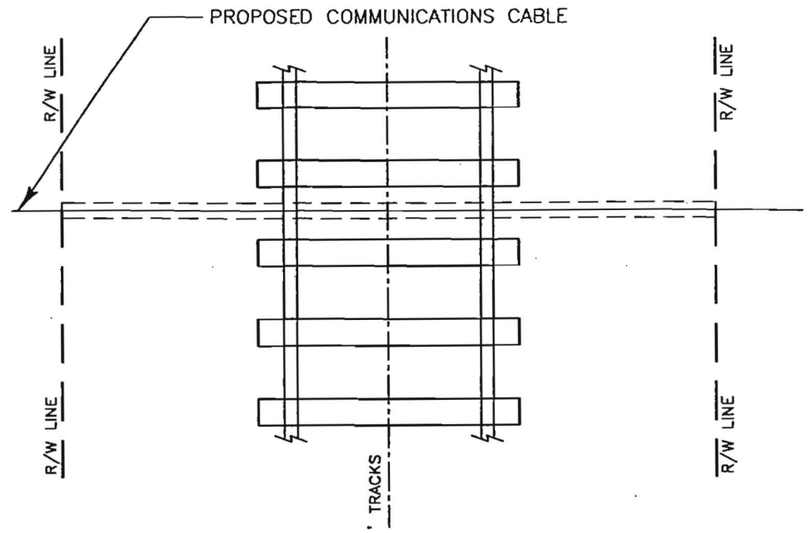


PROFILE
SCALE

NOTE:

1. INSTALL STEEL CONDUIT WITH A 48" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON DRAWINGS AND/OR PERMIT.

TYPICAL RAILROAD CROSSING – DIRECT BORE



PLAN
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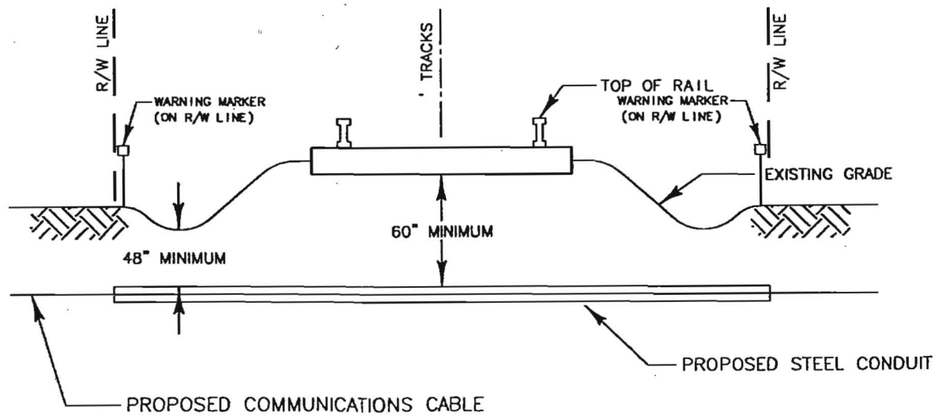

PROFILE
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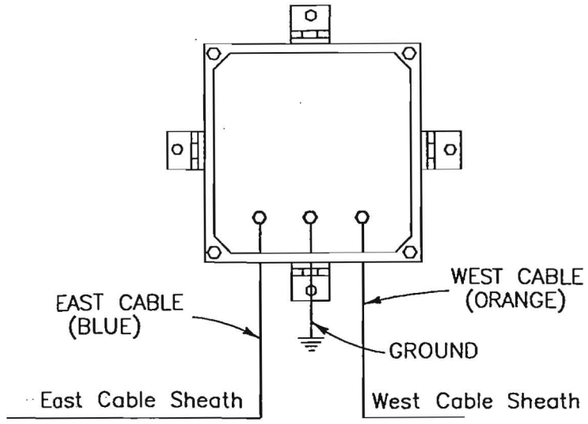
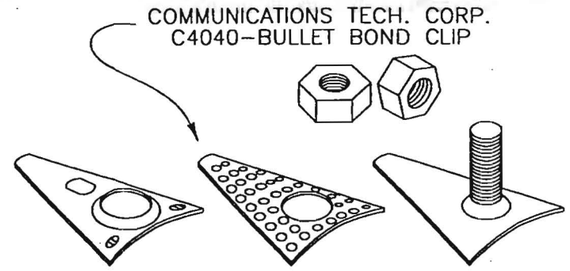
notes.dwg

1. INSTALL 3M 2178 LS SPLICE CLOSURE PER DIRECTIONS IN THE 3M KIT.
2. USE BULLET BONDS AND METAL BRAID TO CONNECT CABLE SHEATHS OT 3M INTERNAL LUG.
3. CONNECT SHEATH TERMINATION KIT(S) WITH QUICK DISCONNECT TO THE 3M EXTERIOR LUG(S) AND #6 SOLID WIRE (MARKED WITH BLUE OR ORANGE HEAT SHRINK) PER KIT DIRECTIONS. USE PROPER CRIMP DUE TO CRIMP DISCONNECT T SOLID WIRE. NoOx ALL CONNECTIONS.
4. SEAL THE 3M CLOSURE WITH 3M BLACK TAR SEALING GASKET AND CORD, FOLLOWING THE BOLT PATTERN AND DIRECTIONS WITH THE 3M KIT.
5. PRESSURE TEST THE CLOSURE TO HOLD 10 PSI AIR.
6. INSTALL GROUND ROD OUTSIDE THE VAULT ASSEMBLY AWAY FROM THE FIBER CABLE.
* 7. CONNECT #6 SOLID GREEN WIRE TO THE GROUND ROD WITH THE GROUND ROD CLAMP. NoOx ALL CONNECTIONS.
8. RUN THE 3 (EAST, GROUND AND WEST) #6 SOLID WIRES THROUGH THE WCG MARKER PEDESTAL UP TO THE ACT ISOLATOR.
9. ATTACH THE SINGLE HOLE ?" DIA. COPPER LUGS TO #6 WIRES.
10. ATTACH THE #6 WIRES TO ACT ISOLATOR FOLLOWING THE DIRECTIONS INCLUDED WITH THE ISOLATOR. NoOx ALL CONNECTIONS.



DETAIL A
N.T.S.



DETAIL B
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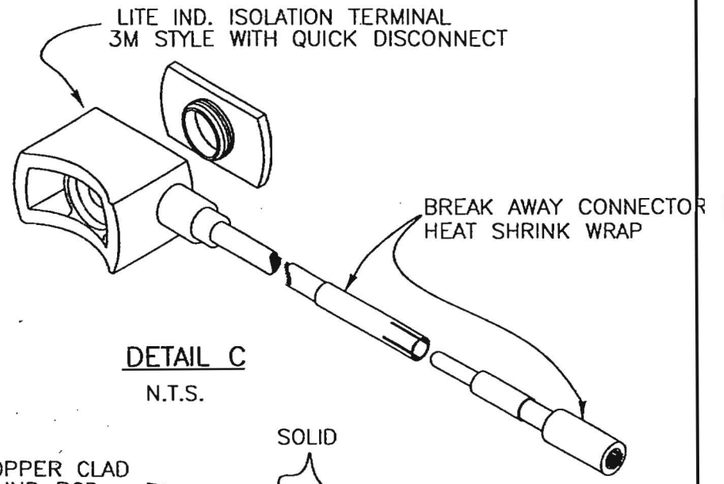

DETAIL C
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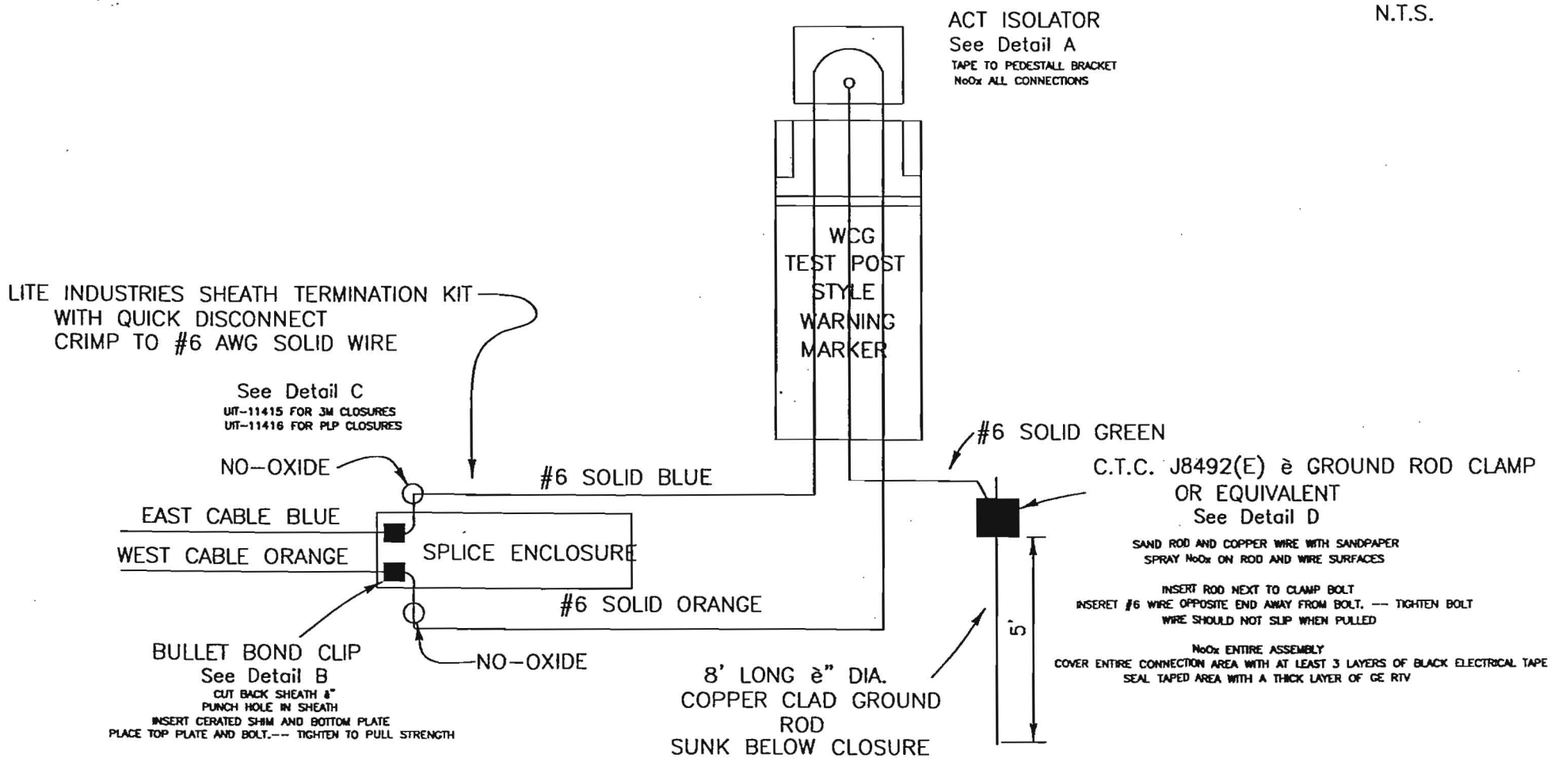

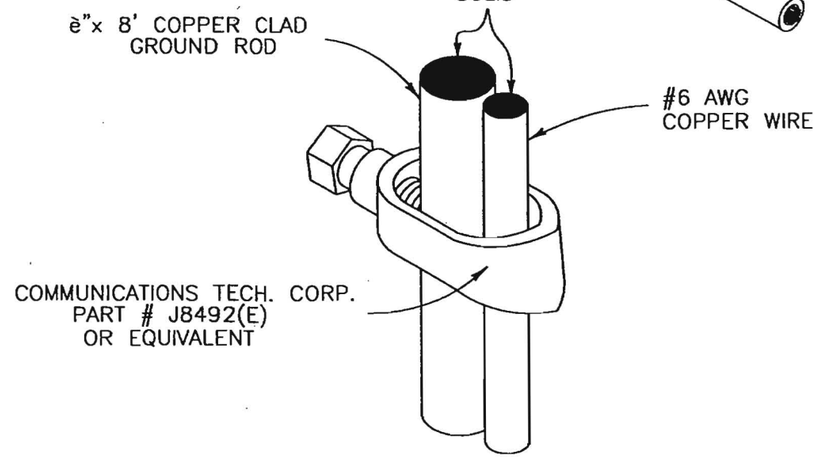

DETAIL D
N.T.S.
INSERT #6 SOLID WIRE OPPOSITE END AWAY FROM BOLT. -- TIGHTEN BOLT

* CLEAN CONNECTIONS.
SAND PAPER.
USE NO-OXIDE PASTE ON ALL CONNECTORS.
TIGHTEN WITH WRENCHES.

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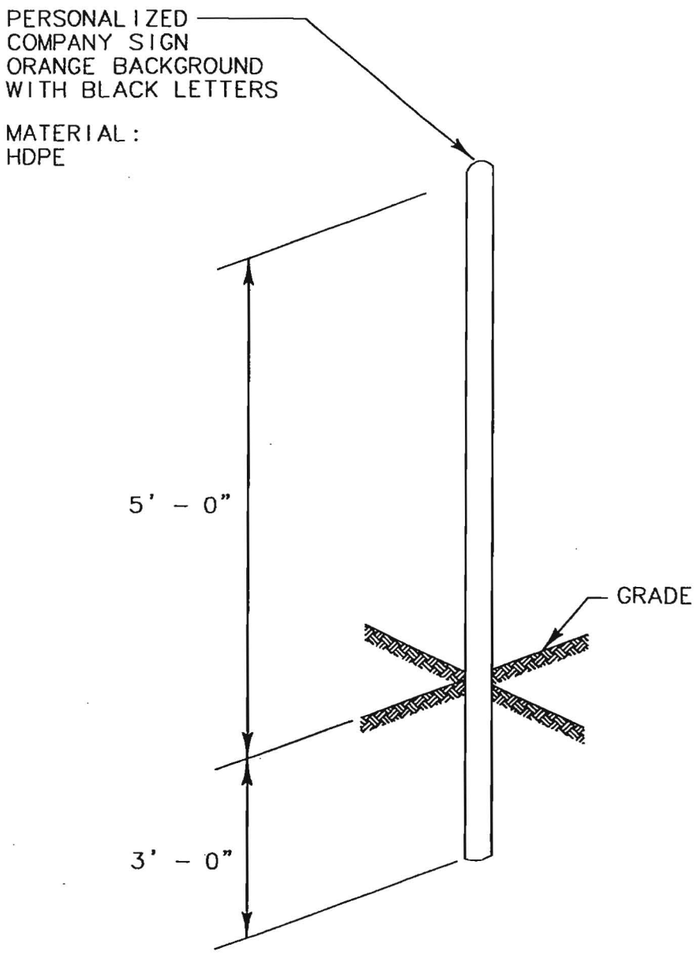
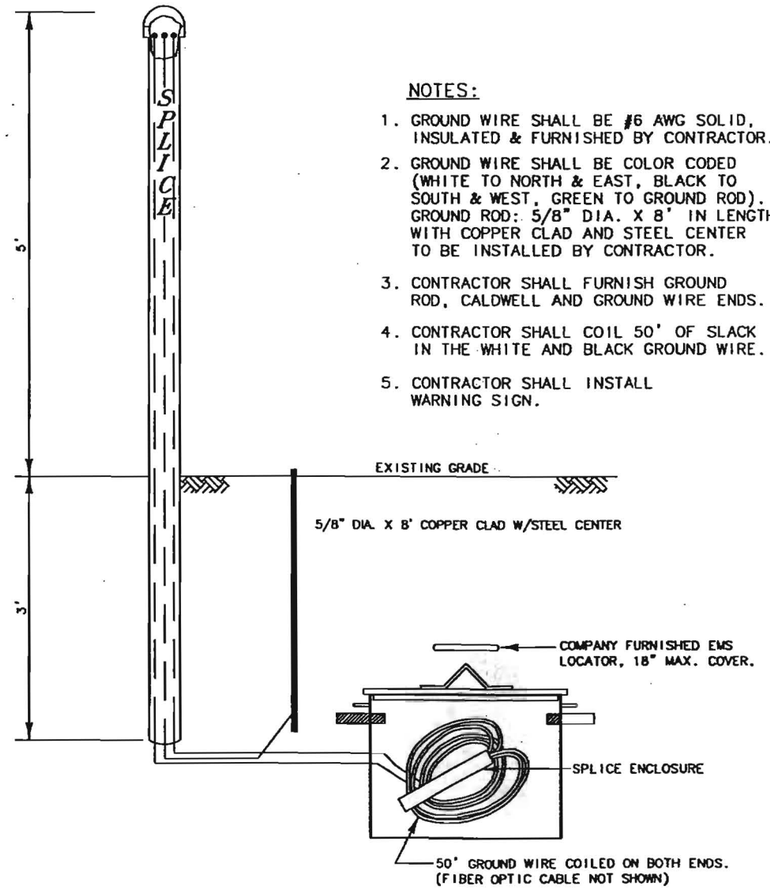
WARNING SIGN POST DETAIL



SPLICE WARNING SIGN INSTALLATION



NOTES:

1. GROUND WIRE SHALL BE #6 AWG SOLID, INSULATED & FURNISHED BY CONTRACTOR.
2. GROUND WIRE SHALL BE COLOR CODED (WHITE TO NORTH & EAST, BLACK TO SOUTH & WEST, GREEN TO GROUND ROD). GROUND ROD: 5/8" DIA. X 8' IN LENGTH WITH COPPER CLAD AND STEEL CENTER TO BE INSTALLED BY CONTRACTOR.
3. CONTRACTOR SHALL FURNISH GROUND ROD, CALDWELL AND GROUND WIRE ENDS.
4. CONTRACTOR SHALL COIL 50' OF SLACK IN THE WHITE AND BLACK GROUND WIRE.
5. CONTRACTOR SHALL INSTALL WARNING SIGN.

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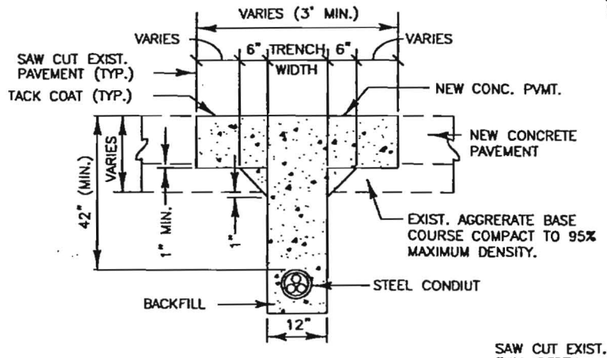
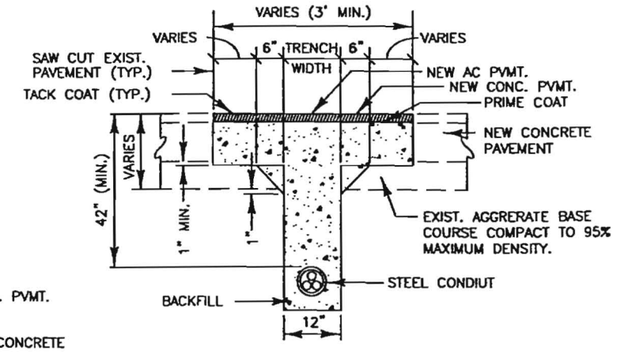
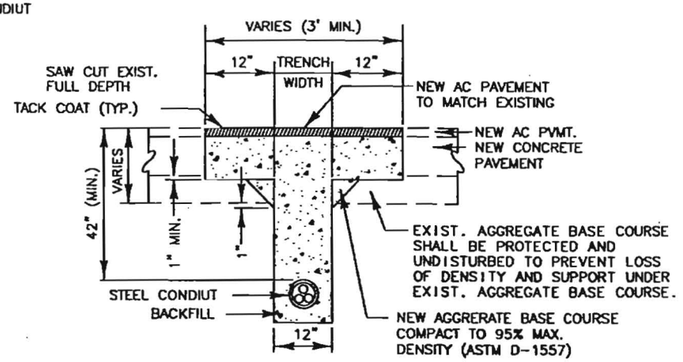
SHEET 14

STANDARD PAVEMENT REPAIR DETAILS AND COMPACTION REQUIREMENTS



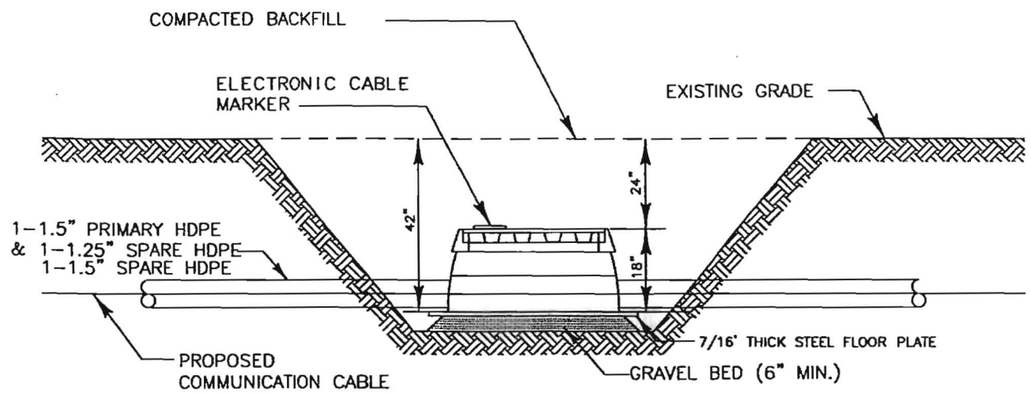


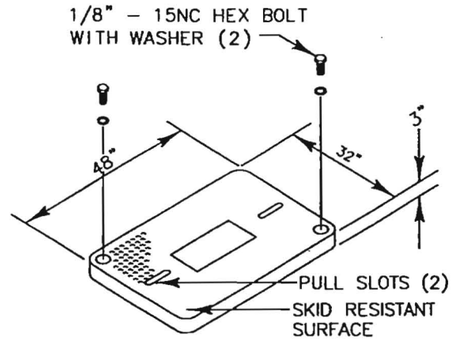


NOTES:

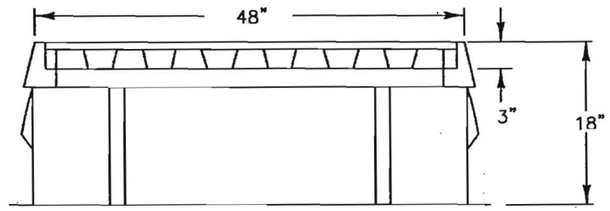
1. ALL PAVEMENT REPAIR MATERIALS SHALL BE EQUAL TO OR BETTER THAN EXISTING PAVEMENT MATERIALS.
2. PLACE BACKFILL IN 6" LIFTS AND COMPACT TO 95% OF ASTM D-1557 MAXIMUM DENSITY. SELECT BACKFILL MATERIAL MAY BE REQUIRED TO SATISFY COMPACTION REQUIREMENTS.
3. CONTRACTOR SHALL FURNISH AND INSTALL 3/4" THICK NON-EXTRUDING PREFORMED EXPANSION JOINT FILLER MANUFACTURED PER ASTM D-1751 OR ASTM D-1752 SPECS BETWEEN POURED CONCRETE AND MANHOLES AND HANDHOLES TO PROVIDE A NONSTRUCTURAL BOND.
4. CONTRACTOR SHALL FURNISH AND INSTALL COLD APPLIED MASTICJOINT SEALANT. JOINT SEALANT SHALL BE MANUFACTURED PER ASTM D-1850 "CONCRETE JOINT SEALANT COLD APPLICATION MASTIC COATING".

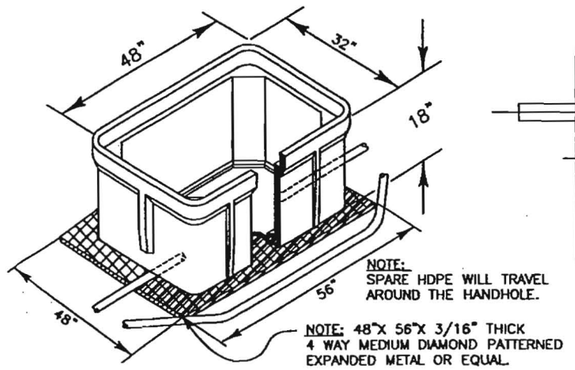
HANDHOLE INSTALLATION





ELEVATION

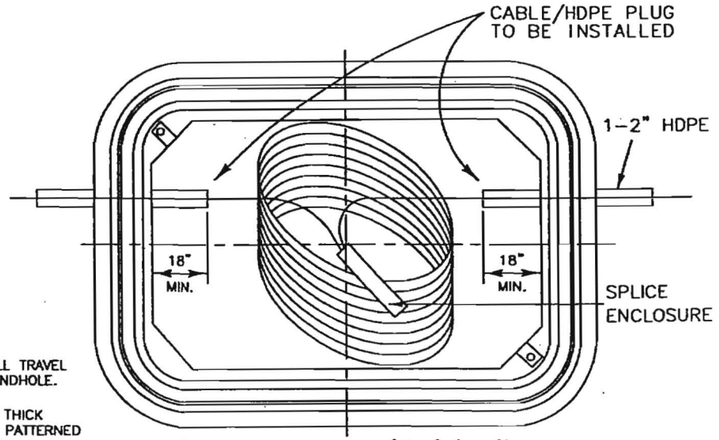




NOTE: SPARE HDPE WILL TRAVEL AROUND THE HANDHOLE.

NOTE: 48"X 56"X 3/16" THICK 4 WAY MEDIUM DIAMOND PATTERNED EXPANDED METAL OR EQUAL.

QUAZITE HANDHOLE



100' CABLE COIL (50'/50')

NOTE: PLUGS WILL NOT BE INSTALLED WHEN HDPE IS SPLIT.

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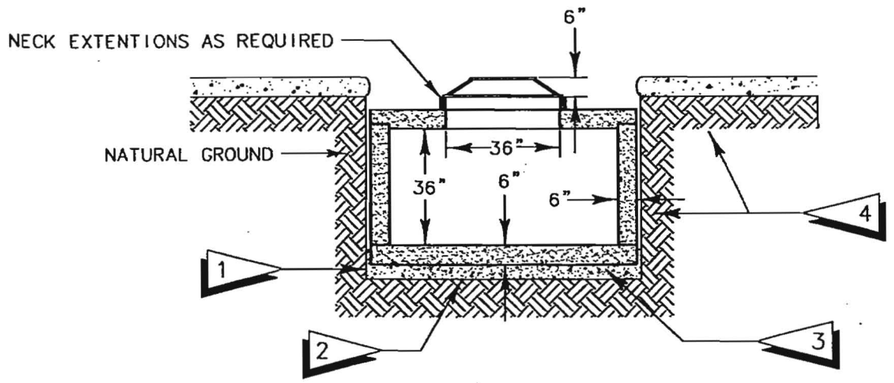
SHEET 15

MANHOLE INSTALLATION

QUICKSET
35-M MANHOLE
DETAIL



GENERAL:

THE FOLLOWING MEASURES WILL IMPLEMENTED TO PROTECT THE WORK AREA TILL VEGETATION HAS BEEN ESTABLISHED.

INTERCEPTOR DIKES:

INTERCEPTOR DIKES ARE SPACED AND PLACED TO DIVERT THE FLOW OF WATER ON THE GRADED PIPELINE RIGHT-OF-WAY ONTO AREAS PROTECTED BY EROSION BY WELL ESTABLISHED VEGETATION. THE INTERCEPTOR DIKES DIVERT THE WATER FROM THE RIGHT-OF-WAY BEFORE SCOURING VELOCITIES ARE REACHED.

THE SPACING OF THE DIKES VARY INVERSELY WITH THE SLOPE OF THE RIGHT-OF-WAY THE RECOMMENDED SPACING OF PERMANENT DIKES IS GIVEN IN THE FOLLOWING TABLE.

RIGHT-OF-WAY SLOPE	DIKE SPACING
0 - 5%	NOT REQUIRED
5 - 15%	150 FEET
15 - 30%	100 FEET
> 30%	50 FEET

NOTE: TEMPORARY DIKE SPACING IS TWICE THE VALUE GIVEN IN THE ABOVE TABLE.

TEMPORARY INTERCEPTOR DIKES WILL BE CONSTRUCTED DURING THE INITIAL GRADING. PERMANENT DIKES WILL BE CONSTRUCTED DURING FINAL GRADING. THE DIKE WILL BE CONSTRUCTED WITH COMPACTED EARTH 1.5 FEET HIGH WITH A BASE WIDTH OF 3 FEET OR GREATER. THE DIKES WILL EXTEND COMPLETELY ACROSS THE RIGHT-OF-WAY. THE DIKES WILL BE CONSTRUCTED WITH A POSITIVE DOWNHILL SLOPE. AN ILLUSTRATION OF A TYPICAL INTERCEPTOR DIKE IS SHOWN ON THE "RIGHT-OF-WAY WITH DIVERSION SLOPES AND INTERCEPTOR DIKES" DETAIL.

DIKES WILL BE PLACED THAT THE WATER IS CHANNELED ON WELL VEGETATED AREA OR A HIGH VELOCITY EROSION CONTROL FABRIC.

IF REQUIRED, PERMANENT DIKE CONSTRUCTED AT THE END OF CONSTRUCTION WILL BE TOP SOILED, FERTILIZED, AND SEEDED.

NOTES

1. EXCAVATION TO BE LEVELED.
2. MINIMUM EXCAVATION 6'x8'x5.125', DEPTH TO BE DETERMINED ON SITE.
3. MINIMUM 6" BASE OF SMALL PEA GRAVEL, OR SAND COMPACTED AND LEVEL.
4. BACKFILL AND ASPHALT REPAIR TO BE DONE PER "STREET CUT AND EXCAVATION REPAIR STANDARDS".
5. GROUND ROD: 1/2" X 3' IN LENGTH - COPPER CLAD - STEEL CENTER TO BE INSTALLED BY CONTRACTOR.

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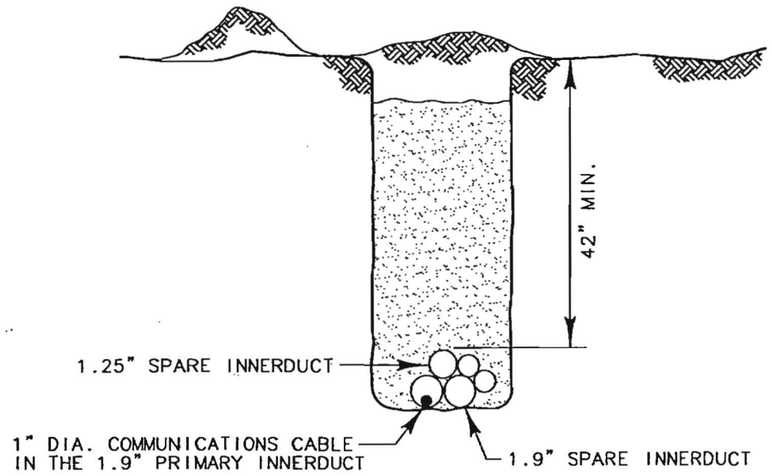
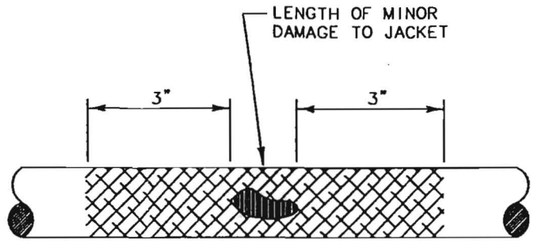
SHEET 16

TRENCH AND BACKFILL REQUIREMENTS

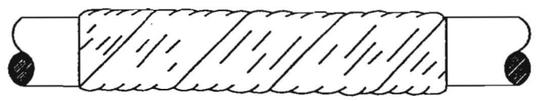


METHOD OF MINOR CABLE JACKET DAMAGE REPAIR

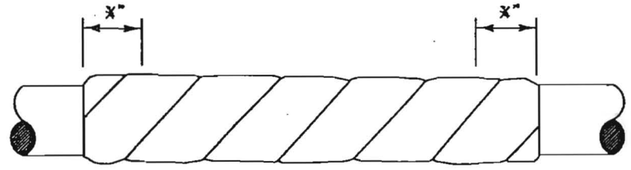


STEP 1. USE A CARDING BRUSH AND CLEAN JACKET APPROXIMATELY 3 INCHES ON EACH SIDE OF DAMAGE AREA.

STEP 2. ⚠2 APPLY A THIN LAYER OF 3M-SCOTCHCOAT BONDING COMPOUND (OR COMPANY APPROVED EQUAL.)(BY CONTRACTOR)



STEP 3. ⚠2 PLACE TWO LAYERS OF PR TAPE (PLYMOUTH CO. CAT. #2014 #8, ½" WIDE OR COMPANY APPROVED EQUAL) HALF LAPPED UNDER TENSION AS ILLUSTRATED. (FURNISHED BY CONTRACTOR)



STEP 4. PLACE 3 LAYERS OF "SCOTCH" #33 PLUS, ½" WIDE 7 MILS THICK, FLAME RETARDANT, COLD WEATHER RESISTANT VINYL TAPE (OR COMPANY APPROVED EQUAL) HALF LAPPED EXTENDING APPROXIMATELY ½" BEYOND PREVIOUSLY APPLIED FILLER TAPE. (FURNISHED BY CONTRACTOR) ⚠2

NOTES:

1. BEFORE MINOR REPAIR PROCEDURES BEGIN CONTRACTOR MUST OBTAIN COMPANY APPROVAL.
2. ALL FIBERS MUST BE TESTED OR 50' OF SLACK LEFT IN HANDHOLE (AT CONTRACTOR'S EXPENSE) BEFORE CONTINUING PAST DAMAGED AREA.

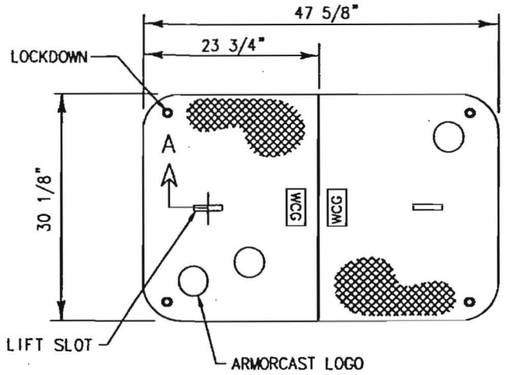
REV NO.	DESCRIPTION	DWN BY	DATE
	REVISIONS		

Williams
COMMUNICATIONS GROUP
Network Services

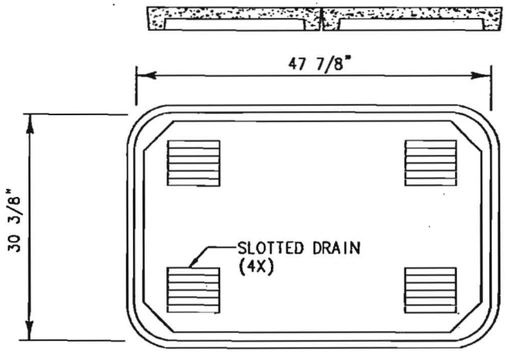
CITY TO CITY

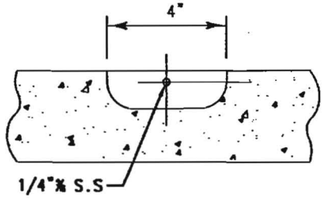
DRAWN BY:	???	??/??/??
CHECKED BY:	???	??/??/??
APPROVED:	???	??/??/??
APPROVED:		
AFE	LOC. CODE:	
HORIZONTAL SCALE:	N.T.S.	
VERTICAL SCALE:	N.T.S.	
notes09.dwg		

TYPICAL 30"x 48"x 18" DEEP VAULT ASSEMBLY.

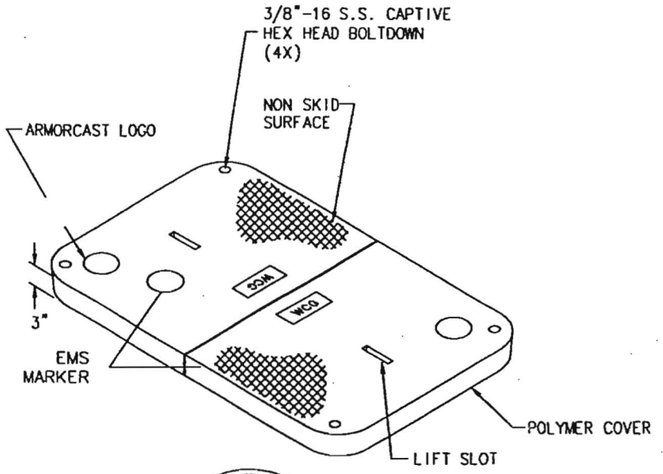


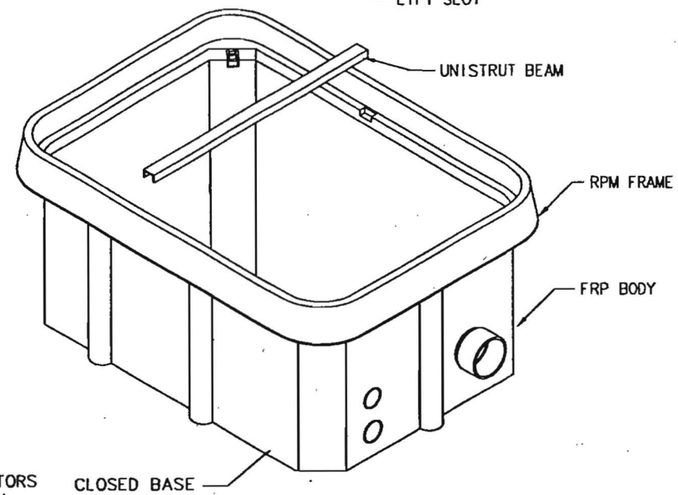
30"x48" COVER (2X)

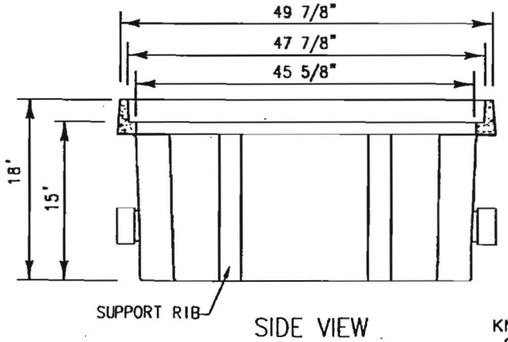




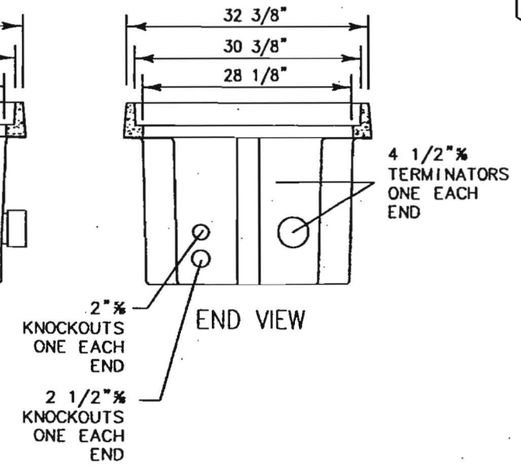
SECTION A
LIFT SLOT







SIDE VIEW



END VIEW

NOTES:

1. GALVANIZATION PER ASTM 123
2. A36 STEEL

REV NO.	REVISIONS / DESCRIPTION	DWN BY	DATE

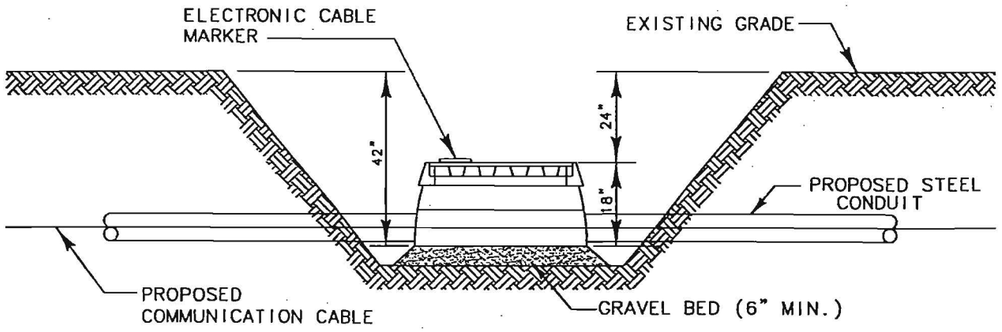
Williams
COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO

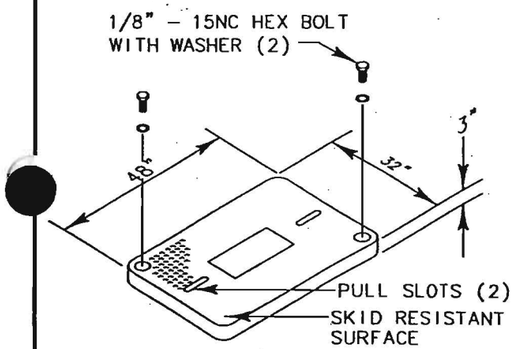
DRAWN BY:	
CHECKED BY:	
APPROVED:	
APPROVED:	
AFE	LOC. CODE:
HORIZONTAL SCALE:	N.T.S.
VERTICAL SCALE:	N.T.S.

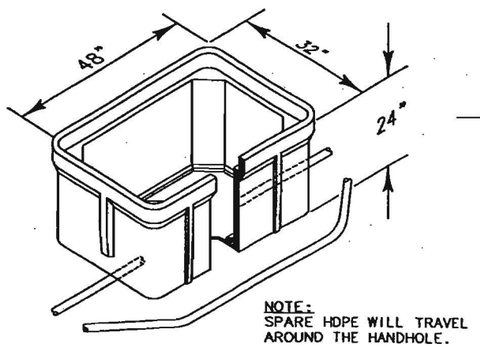
SHEET 18

HANDHOLE INSTALLATION



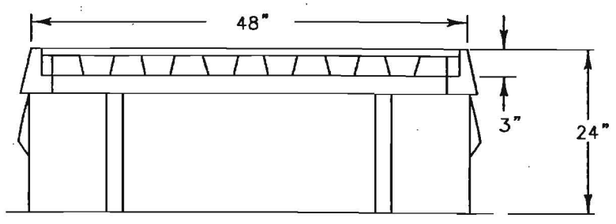
ELEVATION

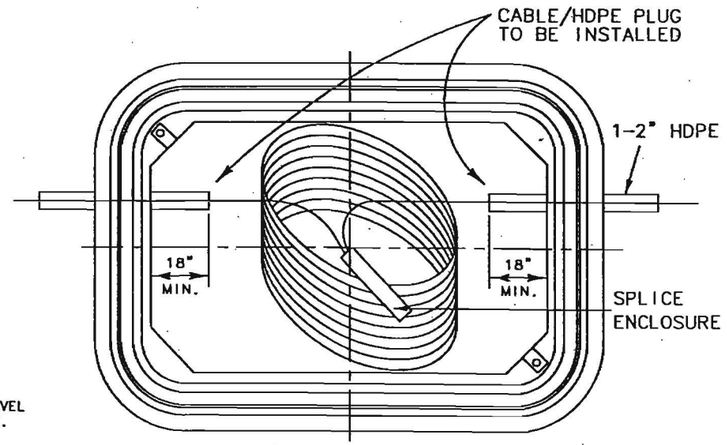




NOTE:
SPARE HDPE WILL TRAVEL AROUND THE HANDHOLE.

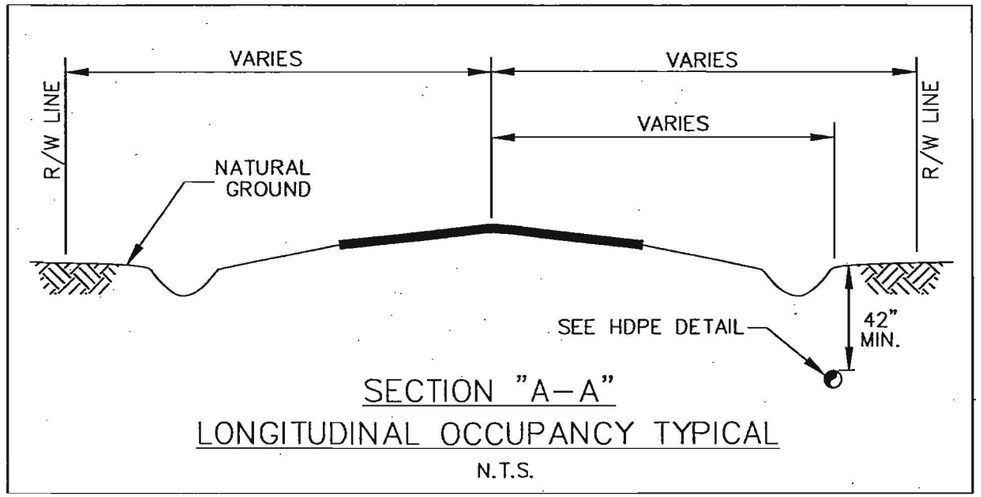
QUAZITE HANDHOLE



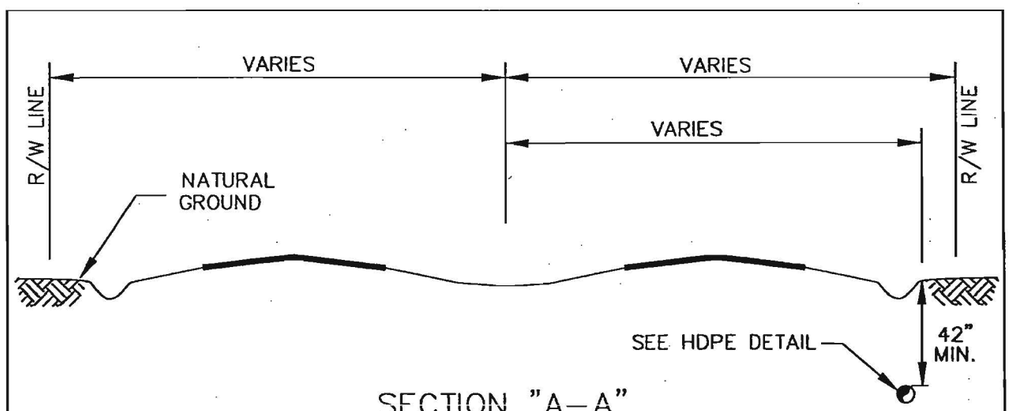


50' CABLE COIL

NOTE:
PLUGS WILL NOT BE INSTALLED WHEN HDPE IS SPLIT.



SECTION "A–A"
LONGITUDINAL OCCUPANCY TYPICAL
N.T.S.



SECTION "A–A"
LONGITUDINAL OCCUPANCY TYPICAL
N.T.S.

REV NO.	REVISIONS / DESCRIPTION	DWN BY	DATE

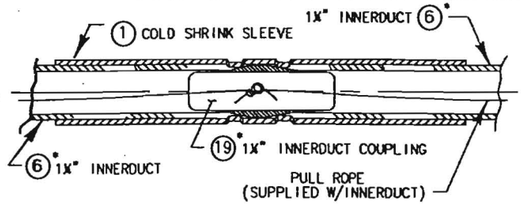
Williams
COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO

DRAWN BY:	
CHECKED BY:	
APPROVED:	
APPROVED:	
AFE	LOC. CODE:
HORIZONTAL SCALE:	N.T.S.
VERTICAL SCALE:	N.T.S.
notes13.dwg	

DETAIL 1

APPLICATION: TWO 1¼" INNERDUCTS, CORRUGATED OR SMOOTHWALL W/ROPE, TO BE SPLICED IN HANDHOLE.



TASK PROCEDURE:

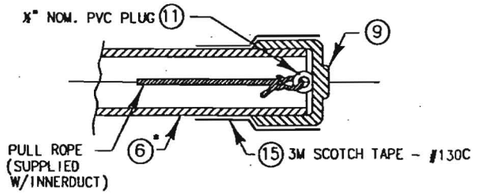
1. CUT INNERDUCTS TO LENGTH LEAVING APPROX. 1"–1½" GAP BETWEEN INNERDUCTS.
2. SLIP ONE COLD SHRINK SLEEVE OVER THE END OF ONE OF THE INNERDUCTS.
3. INSERT INNERDUCT COUPLING INTO ONE OF THE INNERDUCTS.
4. PULL BOTH ROPES FROM INNERDUCTS AND TIE/ SPLICE TOGETHER.
5. INSERT INNERDUCT COUPLING END INTO REMAINING INNERDUCT. TIGHTEN COUPLING TO BOTH INNERDUCTS.
6. CENTER COLD SHRINK SLEEVE OVER COUPLING AND INNERDUCTS ASSEMBLY. COMPLETELY UNWIND COLD SHRINK SLEEVE RESTRAINING CORE.

NOTES:

SEE MATERIAL SCHEDULE THIS SHEET FOR COMPLETE DESCRIPTION OF INDIVIDUAL COMPONENTS. SEE ALSO DETAIL 1 ALTERNATE.

DETAIL 2

APPLICATION: 1¼" INNERDUCT ENDING IN A MANHOLE, PULLBOX OR ASSIST POINT.



TASK PROCEDURE:

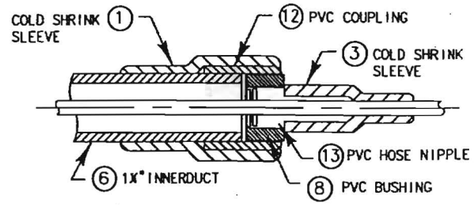
1. CUT SPARE INNERDUCT TO DESIRED LENGTH.
2. CUT "V–4" LENGTH FROM ½" NOMINAL PVC PIPE TO FORM THE RING & GLUE TO INSIDE OF PVC CAP. (AS REQUIRED)
3. TIE ROPE TO FABRICATED RING.
4. INSTALL PVC CAP OVER INNERDUCT.
5. TAPE OVER PVC CAP AND INNERDUCT WITH 3M SCOTCH #130C TAPE TO PROVIDE WATERTIGHT SEAL.

NOTES:

1. ITEM 11 TIE RING TO BE USED ONLY ON SPARE INNERDUCTS WITH PULL ROPES.
2. SEE MATERIAL SCHEDULE THIS SHEET FOR COMPLETE DESCRIPTION OF INDIVIDUAL COMPONENTS.

DETAIL 3

APPLICATION: FIBER OPTICS CABLE PULLED THROUGH 1¼" INNERDUCT WITH APPROXIMATELY 50 FEET SPARE CABLE COILED.



TASK PROCEDURE:

1. PLACE LARGER COLD SHRINK SLEEVE OVER 1¼" INNERDUCT.
2. SLIDE PREASSEMBLED 1¼" PVC COUPLING, 1" PVC BUSHING AND 1" HOSE NIPPLE OVER FIBER OPTICS CABLE AND INSTALL ONTO 1¼" INNERDUCT.
3. SET LARGER COLD SHRINK SLEEVE AS SHOWN AND UNWIND RESTRAINING CORE.
4. SLIDE SMALLER COLD SHRINK SLEEVE OVER FIBER OPTICS CABLE, SET AS SHOWN AND UNWIND SLEEVE RESTRAINING CORE.

NOTES:

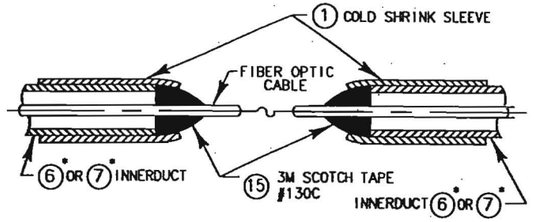
1. SEE MATERIAL SCHEDULE THIS SHEET FOR COMPLETE DESCRIPTION OF INDIVIDUAL COMPONENTS.

MATERIAL SCHEDULE

ITEM	DESCRIPTION
1	COLD SHRINK SLEEVE
2	
3	COLD SHRINK SLEEVE
4	
5•	4" NOM. POLYETHYLENE PIPE
6•	1¼" INNERDUCT (SMOOTH OR CORRUGATED WALL)
7•	1" INNERDUCT (SMOOTH OR CORRUGATED WALL)
	WITH ROPE
8	BUSHING, PVC 1¼" SLIP FIT & 1" NPT SCH.40
9	CAP, PVC, 1¼" NOM., SCH.40 (WHITE)
10	CAP, PVC, 1" NOM., SCH.40 (WHITE)
11	RING, ½" NOM. PVC ¾" LONG CUT FROM 1/2"
	NOM. PIPE GLUE TO CAP.
12	COUPLING, 1¼" NOM. PVC WITH I.D. TAPER SCH.40
13	HOSE NIPPLE, 1"NPT TO 3/4" HOSE, PVC SCH.40
14•	ORANGE FIBER OPTIC CABLE MARKER
15	TAPE, 2" WIDE, 3M #130C
16	TAPE, 3/4" WIDE, 3M #35•
17	
18	PUTTY, 3M SCOTCHFILL (1¼" X 60' ROLL)
19	INNERDUCT COUPLING, 1 1/4"
20•	SNUG PLUG 4" DIA. WITH OPENINGS FOR (3)
	1" INNERDUCTS (1.515" O.D.)
21•	SNUG PLUG 6" DIA. W/OPENINGS FOR (3) 1¼" DUCTS
22•	SPLIT DUCT, 6" NOM. I.D. x 9 FT. LONG
23	PUP JOINT, 6" NOM. PVC, 6 FT. LONG WITH
	BELLED END.
24•	SENSOR, ELECTRO–MAGNETIC

DETAIL 4

APPLICATION: SCHEDULED ASSISTANCE POINT 1" OR 1¼" INNERDUCTS.



TASK PROCEDURE:

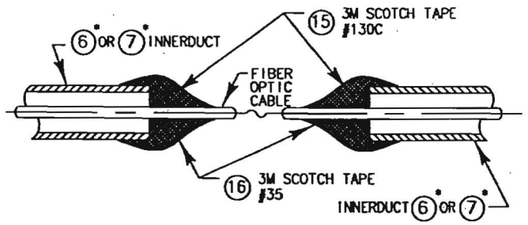
1. PLACE A COLD SHRINK SLEEVE OVER EACH INNERDUCT.
2. TIE / SPLICE PULL ROPES TOGETHER.
3. PULL FIBER OPTICS CABLE THROUGH INNERDUCTS TO FINAL POSITION.
4. BUILD UP THE DIAMETER OF FIBER OPTICS CABLE USING SCOTCH #130C 2" WIDE TAPE & TAPER UP TO THE INNERDUCT DIAMETER.
5. SET COLD SHRINK SLEEVE ON EACH INNERDUCT AND UNWIND RESTRAINING CORE.

NOTES:

1. SEE MATERIAL SCHEDULE THIS SHEET FOR COMPLETE DESCRIPTION OF INDIVIDUAL COMPONENTS.
2. • INDICATES ITEMS SUPPLIED BY WILLIAMS, ALL OTHERS BY CONTRACTOR.

DETAIL 5

APPLICATION: UNSCHEDULED ASSISTANCE POINT 1" OR 1¼" INNERDUCT PASSING THROUGH BURIED PIPELINE.



TASK PROCEDURE:

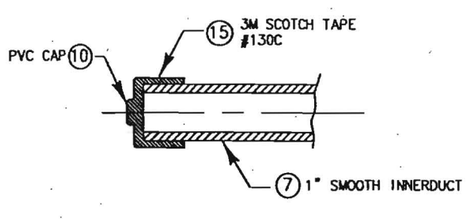
1. CUT THROUGH PIPELINE AND INNERDUCT BEING ESPECIALLY CAREFUL NOT TO DAMAGE THE FIBER OPTICS CABLE INSIDE. REMOVE SECTION OF INNERDUCT.
2. PROVIDE NECESSARY ASSISTANCE TO FIBER OPTICS CABLE PULLING.
3. AFTER COMPLETION OF FIBER OPTICS CABLE PULLING, BUILD UP THE DIAMETER OF THE FIBER OPTICS CABLE USING SCOTCH #130C TAPE & TAPER UP TO THE INNERDUCT DIAMETER.
4. TAPE OVER THE SCOTCH #130C WITH TWO LAYERS OF HALF–LAPPED SCOTCH 35 TAPE.

NOTES:

1. SEE MATERIAL SCHEDULE THIS SHEET FOR COMPLETE DESCRIPTION OF INDIVIDUAL COMPONENTS.

DETAIL 6

APPLICATION: 1" SPARE INNERDUCT



TASK PROCEDURE:

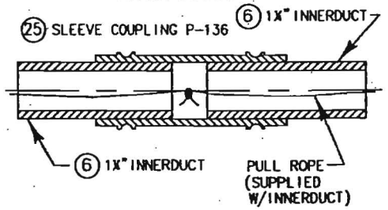
1. CUT SPARE INNERDUCT TO DESIRED LENGTH.
2. INSTALL PVC CAP OVER INNERDUCT.
3. TAPE OVER PVC CAP AND INNERDUCT WITH 3M SCOTCH #130C TO PROVIDE A WATERTIGHT SEAL.

NOTES:

1. SEE MATERIAL SCHEDULE THIS SHEET FOR COMPLETE DESCRIPTION OF INDIVIDUAL COMPONENTS.

DETAIL 6 ALTERNATE

APPLICATION: 1¼" INNERDUCT SPLICE (SMOOTH WALL ONLY) WITH ROPE IN HANDHOLE OR ASSIST POINT.



TASK PROCEDURE:

1. CUT INNERDUCTS TO LENGTH LEAVING APPROXIMATELY 1/8" GAP BETWEEN INNERDUCTS.
2. SLIDE SLEEVE COUPLING ALL THE WAY OVER ONE INNERDUCT.
3. PULL BOTH ROPES FROM INNERDUCTS AND TIE/SPLICE TOGETHER.
4. CENTER SLEEVE COUPLING OVER THE INNERDUCT GAP.
5. WELD THE SLEEVE COUPLING TO THE INNERDUCTS WITH THE SLEEVE COUPLING WELDER.

25	SLEEVE COUPLING P–136 (1.66"I.D.)
	SLEEVE COUPLING AND WELDER AVAILABLE AT
	PETROFLEX, 1–800–433–9711, DENNIS TURNER

REV NO.	REVISIONS / DESCRIPTION	DWN BY	DATE

Williams COMMUNICATIONS GROUP Network Services

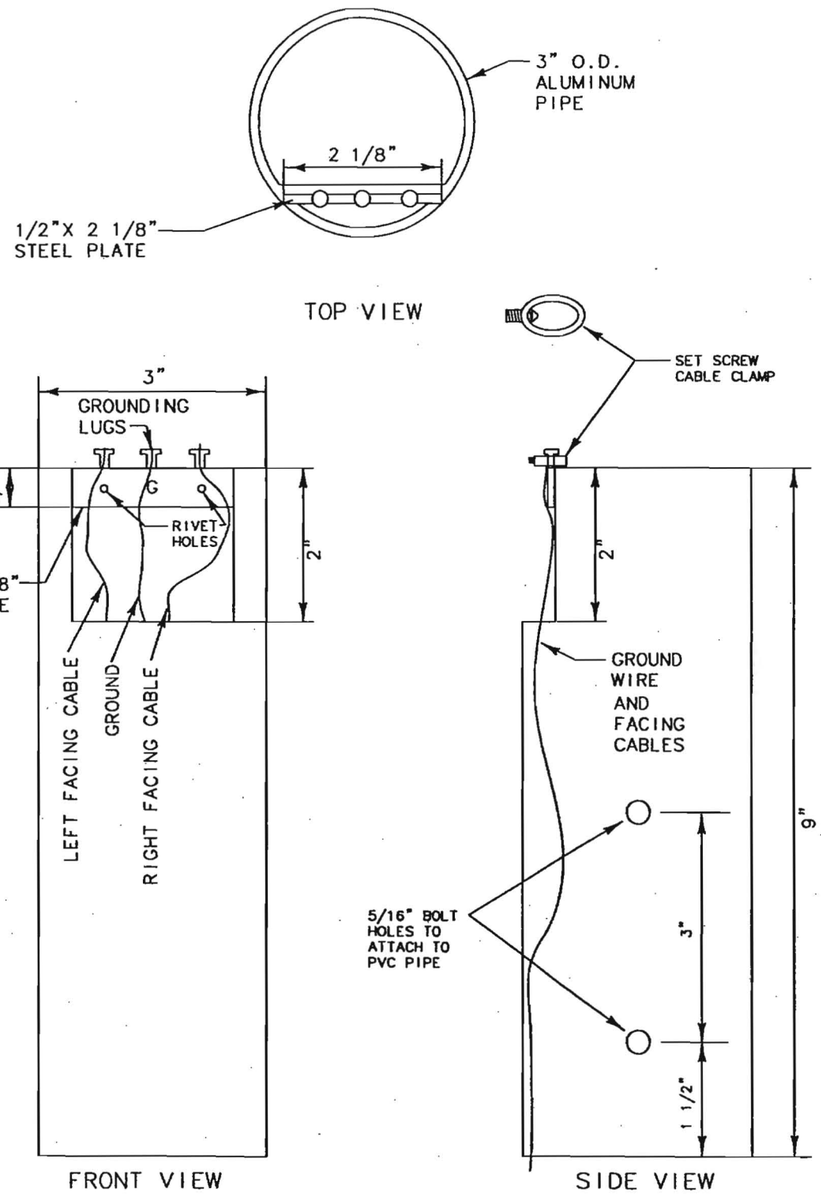
WATERTIGHT INNERDUCT SEALING DETAILS

POINT ARENA TO SACRAMENTO

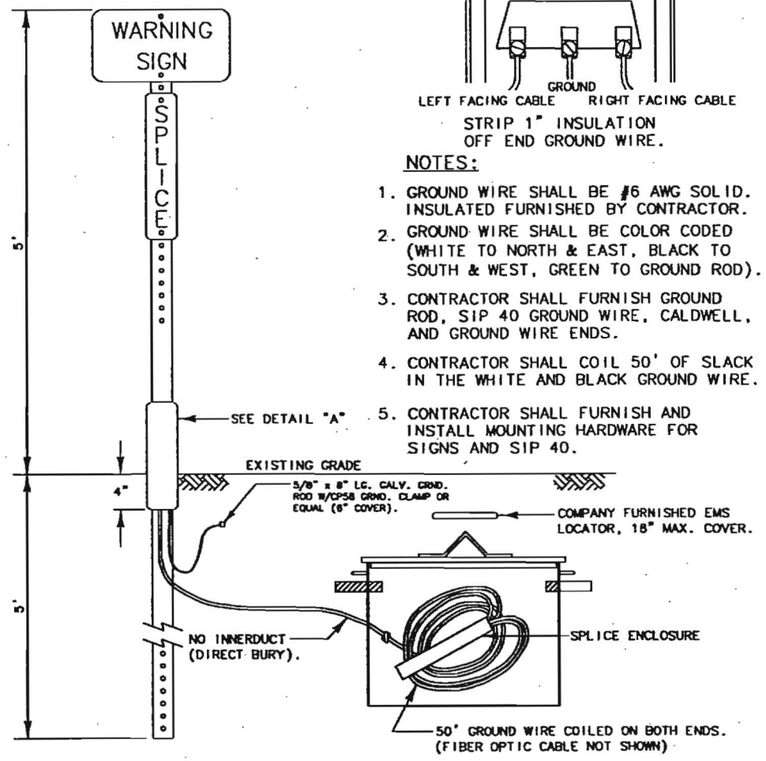
DRAWN BY:	
CHECKED BY:	
APPROVED:	
APPROVED:	
AFE	LOC. CODE:
HORIZONTAL SCALE:	N.T.S.
VERTICAL SCALE:	N.T.S.

SHEET 19

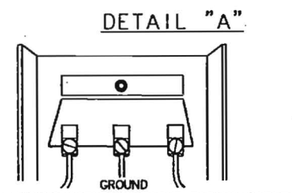
SIGNPOST GROUNDING ATTACHMENT



WARNING SIGN WITH SIP-40 INSTALLATION



DETAIL "A"



STRIP 1" INSULATION
OFF END GROUND WIRE.

NOTES:

1. GROUND WIRE SHALL BE #6 AWG SOLID. INSULATED FURNISHED BY CONTRACTOR.
2. GROUND WIRE SHALL BE COLOR CODED (WHITE TO NORTH & EAST, BLACK TO SOUTH & WEST, GREEN TO GROUND ROD).
3. CONTRACTOR SHALL FURNISH GROUND ROD, SIP 40 GROUND WIRE, CALDWELL, AND GROUND WIRE ENDS.
4. CONTRACTOR SHALL COIL 50' OF SLACK IN THE WHITE AND BLACK GROUND WIRE.
5. CONTRACTOR SHALL FURNISH AND INSTALL MOUNTING HARDWARE FOR SIGNS AND SIP 40.

REVISIONS			
REV NO.	DESCRIPTION	DWN BY	DATE

Williams
COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO

DRAWN BY:	
CHECKED BY:	
APPROVED:	
APPROVED:	
AFE	LOC. CODE:
HORIZONTAL SCALE:	N.T.S.
VERTICAL SCALE:	N.T.S.

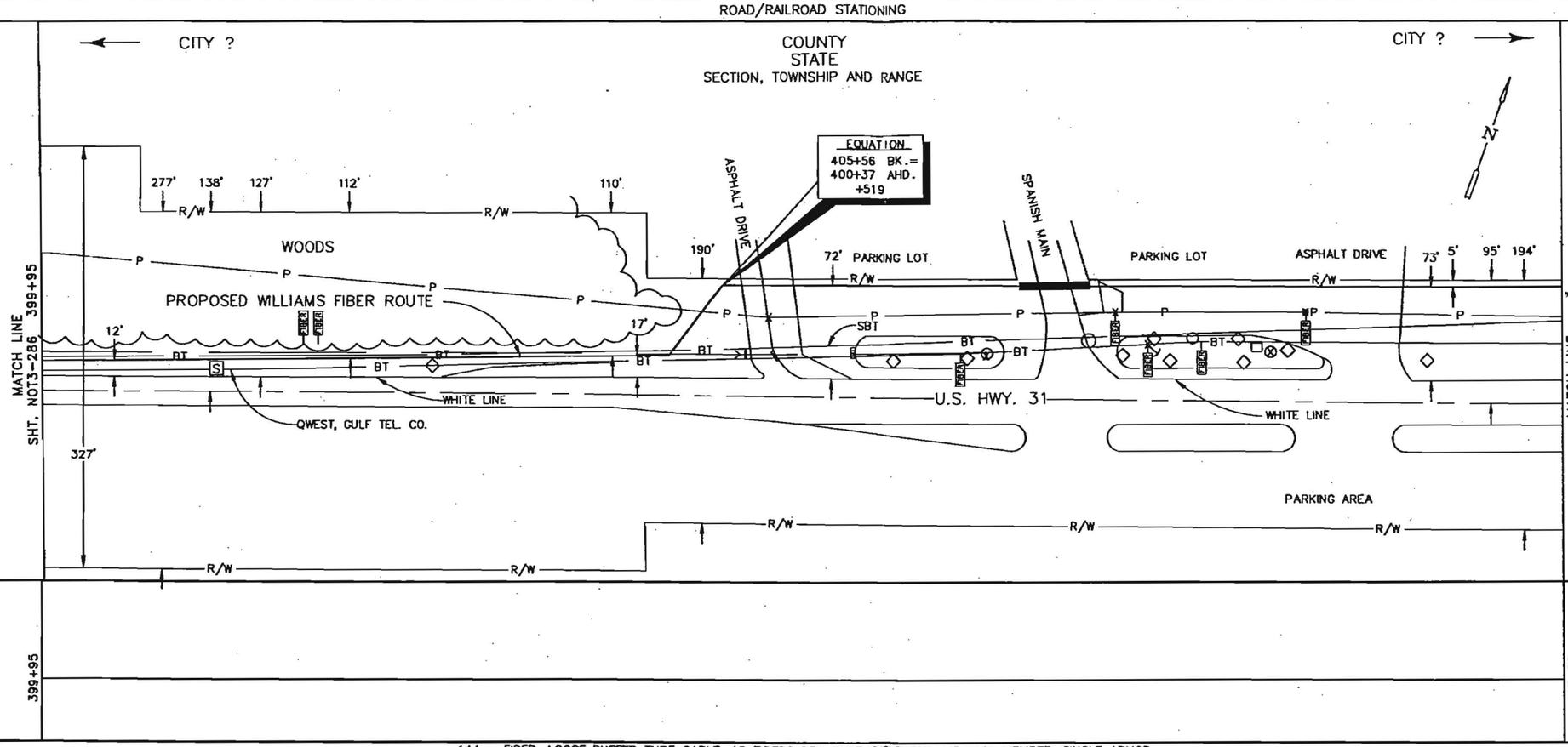
SHEET 20

OWNERSHIP

R/W OWNERSHIP ?

399+95 WHITE LINE 12' RT.
401+30 QWEST SPLICE BOX 7' RT.
401+49 TOP BANK 3' LT., DITCH 5' LT.
401+99 TOP BANK 1' LT., CABLE MKR. 1' LT.,
402+10 CABLE MKR. 1' LT.
403+04 TOP BANK 1' LT., DITCH 4' LT., FIBER OPTIC 6' LT.
404+42 TOP BANK 1' LT., DITCH 2' LT.
404+87 P.I. LT. WHITE LINE 12' RT.
405+30 OVH. PWR. LN.
405+43 P.I. RT.
400+58 EDGE ASPH. DRIVE
400+74 EDGE ASPH. DRIVE
400+94 EDGE ASPH. DRIVE
402+75 BEGIN R/W, BEGIN CONDUIT, EDGE PARKING LOT
402+85 EDGE ASPH. DRIVE
402+90 EDGE ASPH. DRIVE, EDGE PARKING LOT
402+93
403+10 EDGE PARKING LOT
403+18 EDGE ASPH. DRIVE
403+34 END R/W, END CONDUIT, EDGE ASPH. DRIVE
403+41
403+49 EDGE ASPH. DRIVE
403+54 POWER POLE 20' RT., BILLBOARD 8' RT.
403+58
405+04 PWR. POLE 20' RT., PHONE CABLE MKR. 20' RT.
405+80 EDGE ASPH. DRIVE

ROAD/RAILROAD STATIONING



144 - FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, SINGLE ARMOR
REEL # N/A
N/A
1224'-3-DUCT HDPE
56'-STEEL PIPE

EXHIBIT A

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- Power Pole
- Water Valve / Meter
- Signal Pole
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- ℄ Road
- ℄ RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Gas Marker
- Fiber Marker
- Aerial Tel.
- Buried Tel.
- Buried CATV
- Ditch
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY,STATE
888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

LOCAL_ONE_CALL_NAME
LOCAL_ONE_CALL_NO.

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

JOB-STATUS

REVISIONS

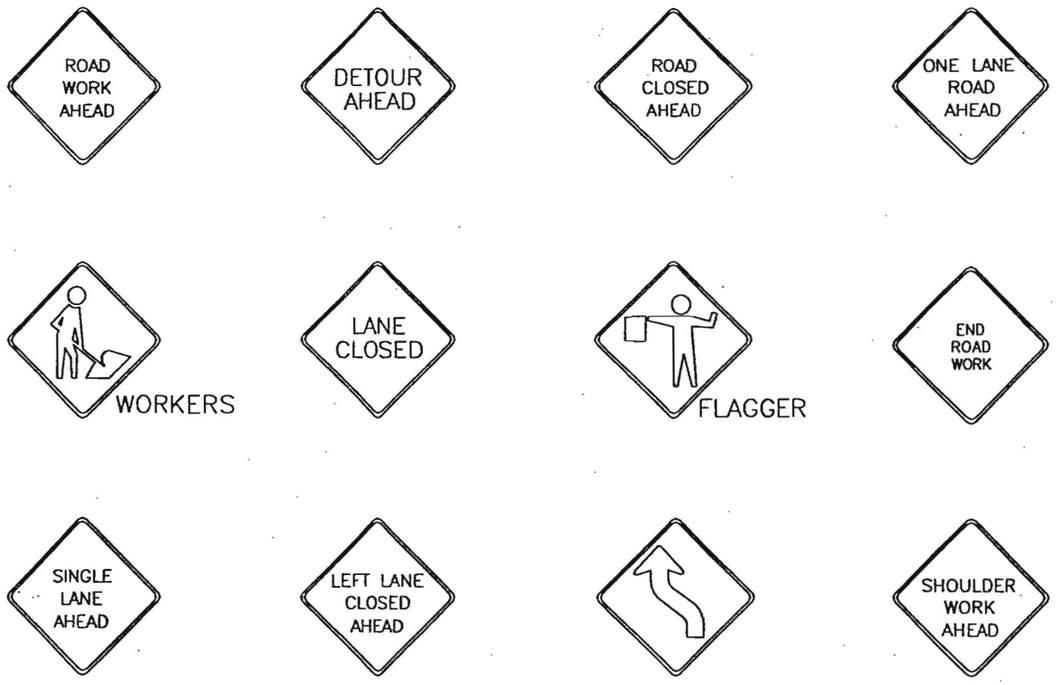
REV. NO.	DESCRIPTION	BY	DATE

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

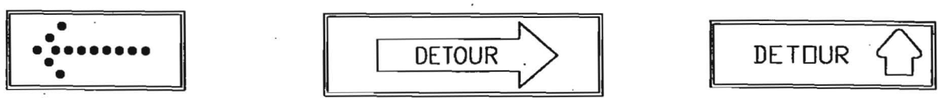
Williams COMMUNICATIONS GROUP Network Services

JOB-NAME
ROUTE

DRAWN BY :	?	DATE :	?/??
CHECKED BY :	?	DATE :	?/??
APPROVED BY :	APPROVED-BY(@1)	DATE :	AP1-DATE
APPROVED BY :	APPROVED-BY(@2)	DATE :	AP2-DATE
AFE :	AFE#	LOC. CODE :	LOC-CODE#
HORIZONTAL SCALE (DWG & PROF) :	1"=100'		
VERTICAL SCALE (DWG) :			
VERTICAL SCALE (PROF) :			
MAP PROJECTION :	MAP-PROJECTION		
DRAWING NUMBER :	SHEET_22		



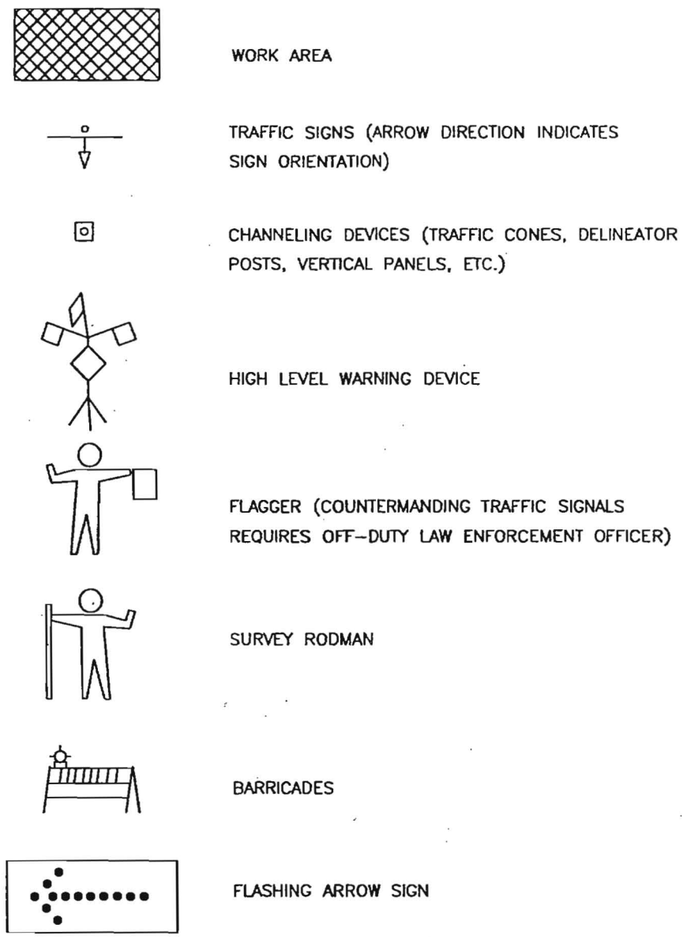
WARNING SIGNS



FLASHING ARROW SIGN

GUIDE SIGNS

WARNING SIGNS AND GUIDE SIGNS



SIGN

NOTES :

1. FOR NIGHT TIME USAGE, REFER TO "WARNING LIGHT APPLICATIONS DURING NIGHT TIME OPERATIONS"
2. ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES (SEQUENTIAL ARROWS, BARRICADES, STEEL PLATES) MAY BE REQUIRED.

SYMBOLS AND LEGENDS

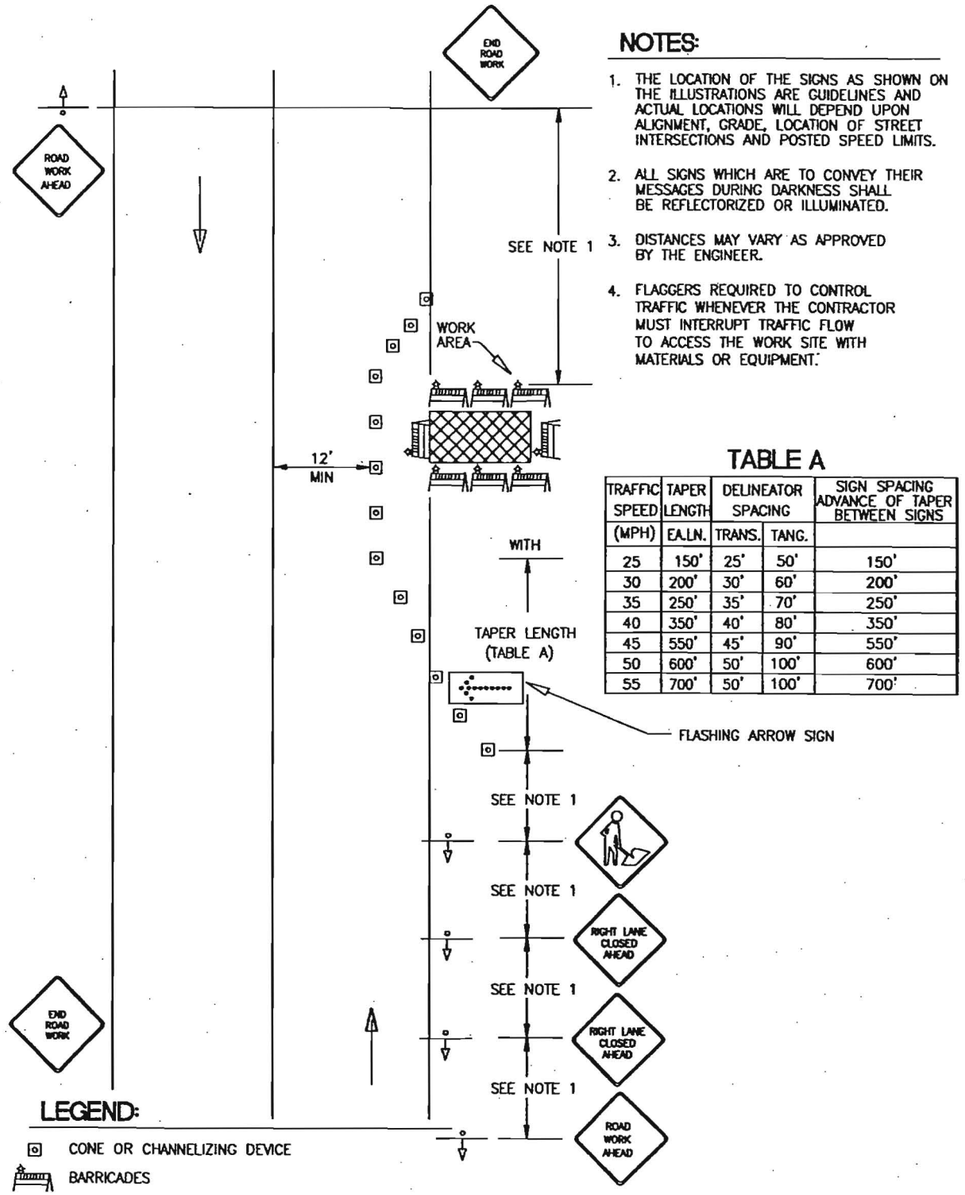
REV NO.	REVISIONS / DESCRIPTION	DWN BY	DATE

Williams
COMMUNICATIONS GROUP
Network Services

PROJECT NAME

DRAWN BY:	
CHECKED BY:	
APPROVED:	
APPROVED:	
AFE	LOC. CODE:
HORIZONTAL SCALE:	
VERTICAL SCALE:	

SHEET 23



NOTES:

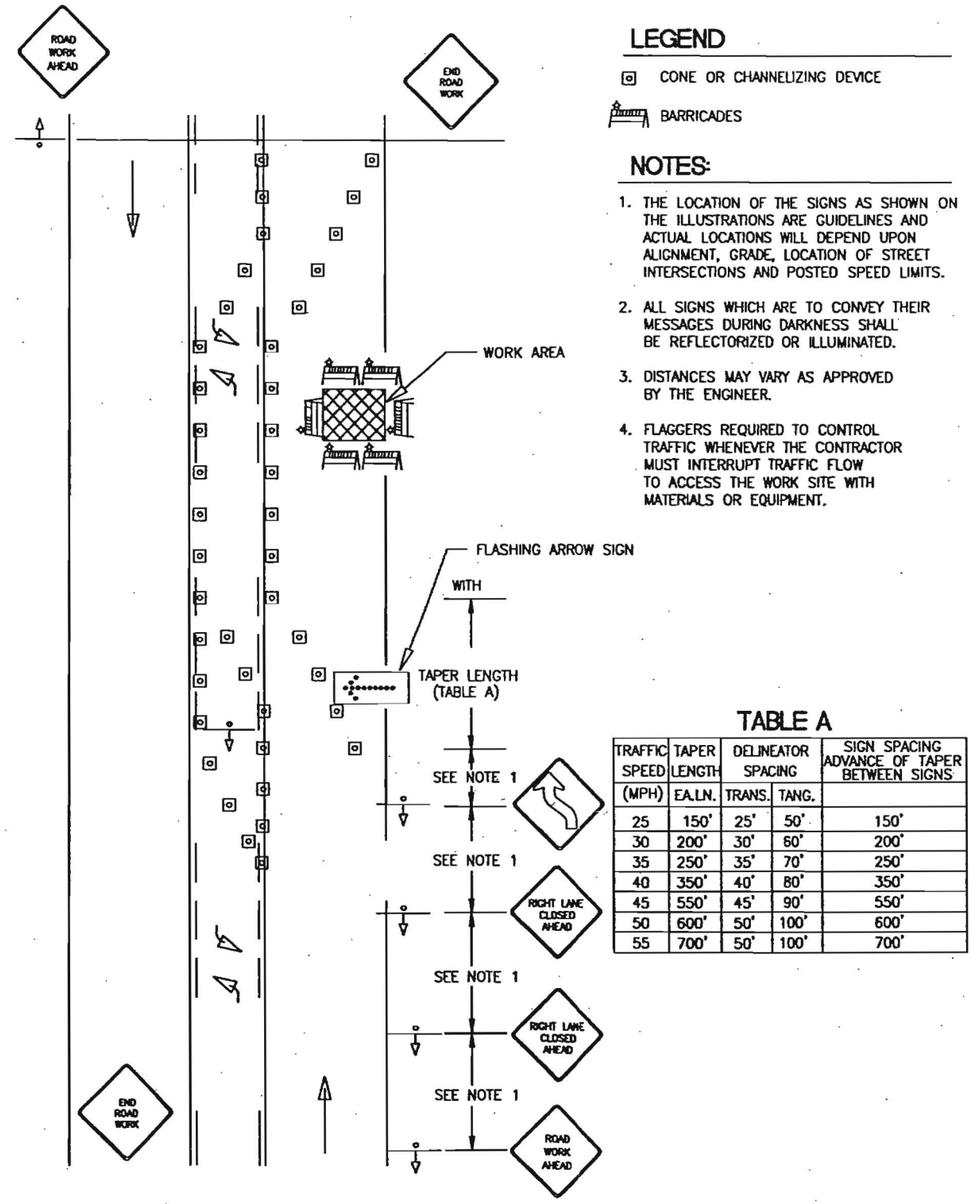
1. THE LOCATION OF THE SIGNS AS SHOWN ON THE ILLUSTRATIONS ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF STREET INTERSECTIONS AND POSTED SPEED LIMITS.
2. ALL SIGNS WHICH ARE TO CONVEY THEIR MESSAGES DURING DARKNESS SHALL BE REFLECTORIZED OR ILLUMINATED.
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. FLAGGERS REQUIRED TO CONTROL TRAFFIC WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT.

TABLE A

TRAFFIC SPEED	TAPER LENGTH	DELINEATOR SPACING		SIGN SPACING ADVANCE OF TAPER BETWEEN SIGNS
(MPH)	EA.LN.	TRANS.	TANG.	
25	150'	25'	50'	150'
30	200'	30'	60'	200'
35	250'	35'	70'	250'
40	350'	40'	80'	350'
45	550'	45'	90'	550'
50	600'	50'	100'	600'
55	700'	50'	100'	700'

TRAFFIC CONTROL PLAN

SHOULDER WORK



LEGEND

CONE OR CHANNELIZING DEVICE

BARRICADES

NOTES:

1. THE LOCATION OF THE SIGNS AS SHOWN ON THE ILLUSTRATIONS ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF STREET INTERSECTIONS AND POSTED SPEED LIMITS.
2. ALL SIGNS WHICH ARE TO CONVEY THEIR MESSAGES DURING DARKNESS SHALL BE REFLECTORIZED OR ILLUMINATED.
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. FLAGGERS REQUIRED TO CONTROL TRAFFIC WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT.

TABLE A

TRAFFIC SPEED	TAPER LENGTH	DELINEATOR SPACING		SIGN SPACING ADVANCE OF TAPER BETWEEN SIGNS
(MPH)	EA.LN.	TRANS.	TANG.	
25	150'	25'	50'	150'
30	200'	30'	60'	200'
35	250'	35'	70'	250'
40	350'	40'	80'	350'
45	550'	45'	90'	550'
50	600'	50'	100'	600'
55	700'	50'	100'	700'

TRAFFIC CONTROL PLAN

3 LANE ROADWAY WITH RIGHT LANE CLOSED

REV NO.	DESCRIPTION	DWN BY	DATE
	REVISIONS		

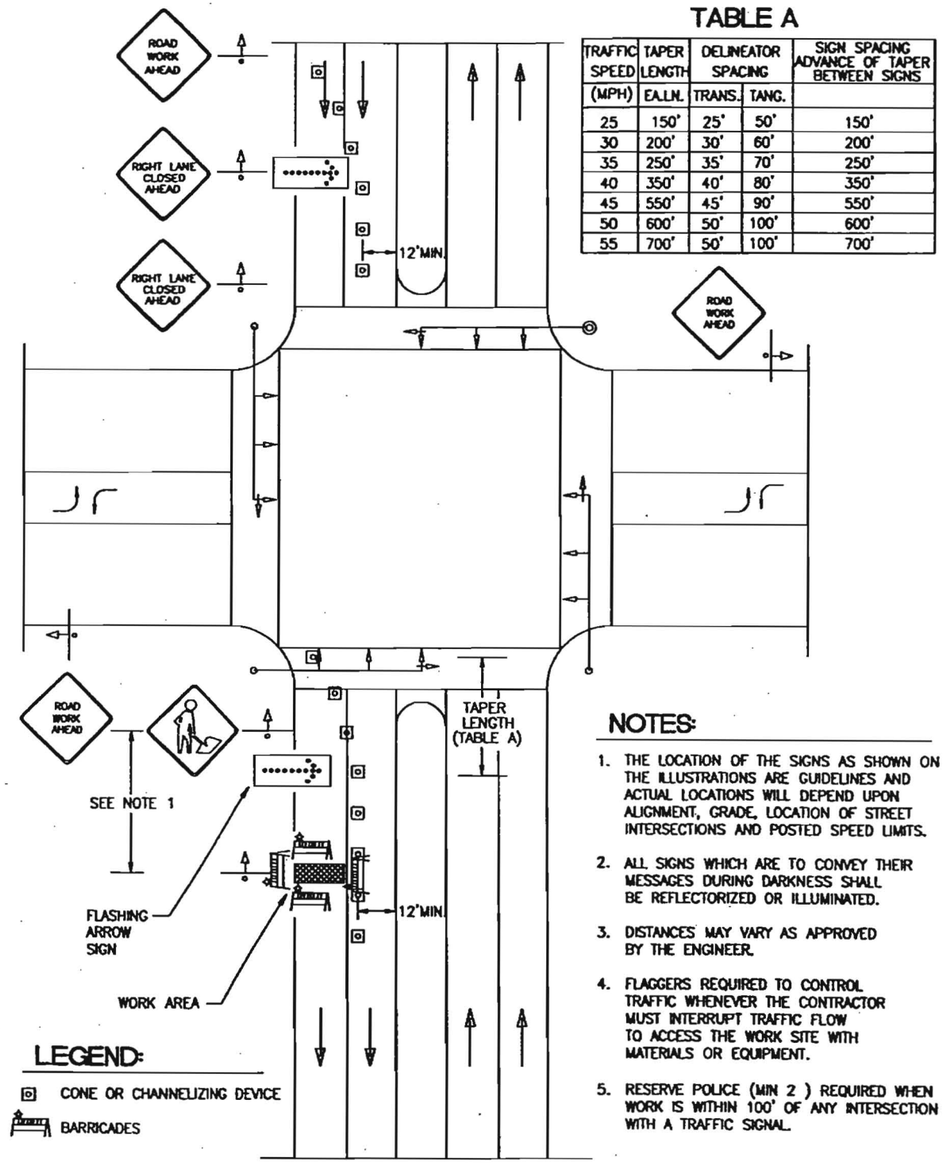
Williams COMMUNICATIONS GROUP Network Services

PROJECT NAME

DRAWN BY:	
CHECKED BY:	
APPROVED:	
APPROVED:	
AFE	LOC. CODE:
HORIZONTAL SCALE:	
VERTICAL SCALE:	
traffic_control_plan_1	

TABLE A

TRAFFIC SPEED (MPH)	TAPER LENGTH EA.LN.	DELINEATOR SPACING TRANS.	DELINEATOR SPACING TANG.	SIGN SPACING ADVANCE OF TAPER BETWEEN SIGNS
25	150'	25'	50'	150'
30	200'	30'	60'	200'
35	250'	35'	70'	250'
40	350'	40'	80'	350'
45	550'	45'	90'	550'
50	600'	50'	100'	600'
55	700'	50'	100'	700'

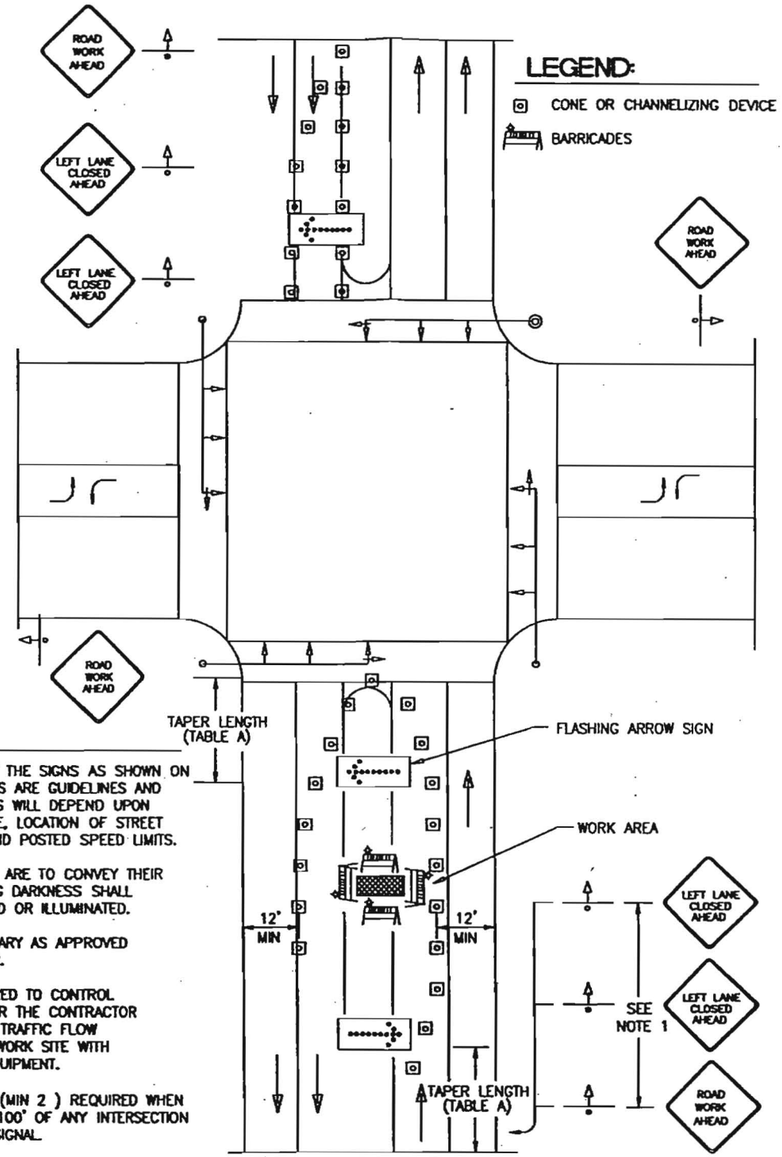


NOTES:

1. THE LOCATION OF THE SIGNS AS SHOWN ON THE ILLUSTRATIONS ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF STREET INTERSECTIONS AND POSTED SPEED LIMITS.
2. ALL SIGNS WHICH ARE TO CONVEY THEIR MESSAGES DURING DARKNESS SHALL BE REFLECTORIZED OR ILLUMINATED.
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. FLAGGERS REQUIRED TO CONTROL TRAFFIC WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT.
5. RESERVE POLICE (MIN 2) REQUIRED WHEN WORK IS WITHIN 100' OF ANY INTERSECTION WITH A TRAFFIC SIGNAL.

TRAFFIC CONTROL PLAN

4 LANE ROADWAY WITH RIGHT TURN LANE CLOSED



NOTES:

1. THE LOCATION OF THE SIGNS AS SHOWN ON THE ILLUSTRATIONS ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF STREET INTERSECTIONS AND POSTED SPEED LIMITS.
2. ALL SIGNS WHICH ARE TO CONVEY THEIR MESSAGES DURING DARKNESS SHALL BE REFLECTORIZED OR ILLUMINATED.
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. FLAGGERS REQUIRED TO CONTROL TRAFFIC WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT.
5. RESERVE POLICE (MIN 2) REQUIRED WHEN WORK IS WITHIN 100' OF ANY INTERSECTION WITH A TRAFFIC SIGNAL.

TRAFFIC CONTROL PLAN

4 LANE ROADWAY WITH CENTER LANE CLOSED

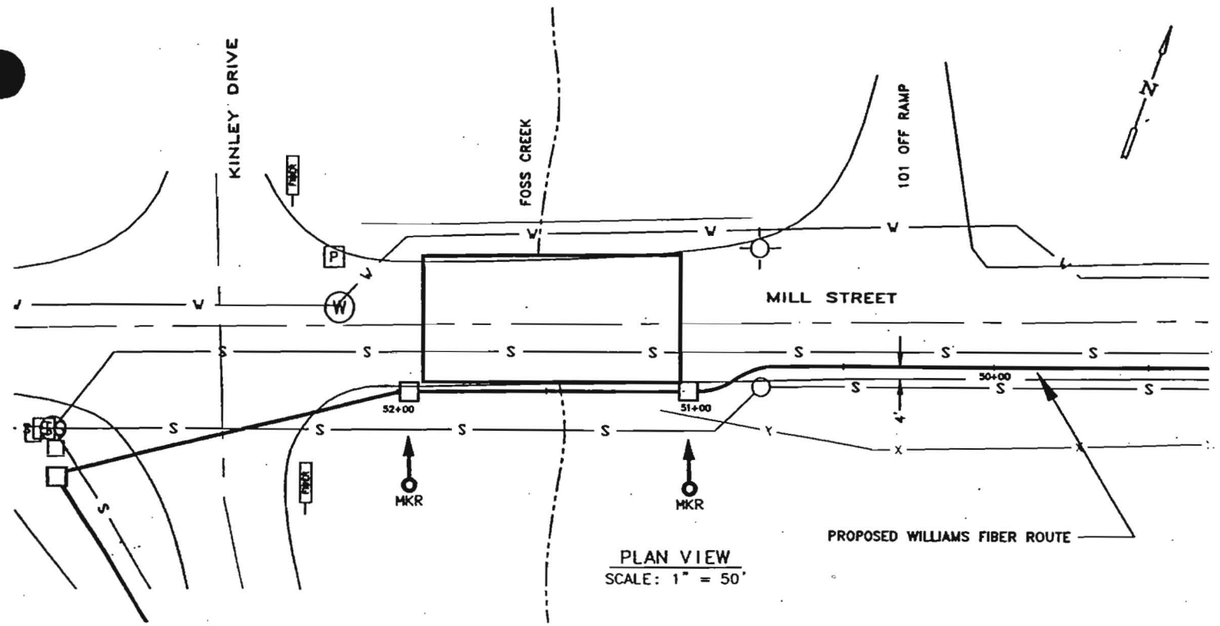
REV NO.	DESCRIPTION	DWN BY	DATE
	REVISIONS		

Williams
COMMUNICATIONS GROUP
Network Services

PROJECT NAME

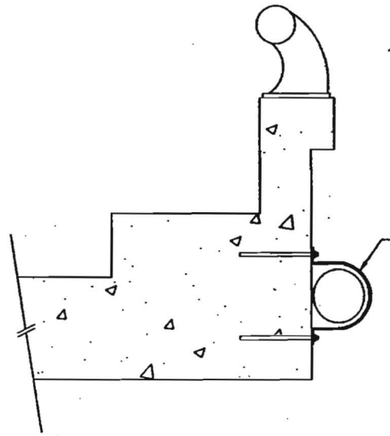
DRAWN BY:	
CHECKED BY:	
APPROVED:	
APPROVED:	
AFE	LOC. CODE:
HORIZONTAL SCALE:	
VERTICAL SCALE:	

traffic_control_plan_2

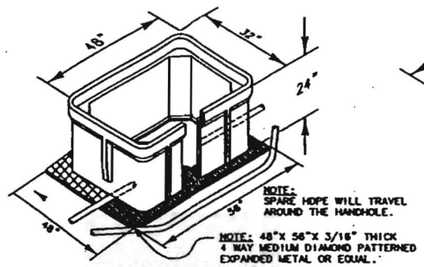


PLAN VIEW
SCALE: 1" = 50'

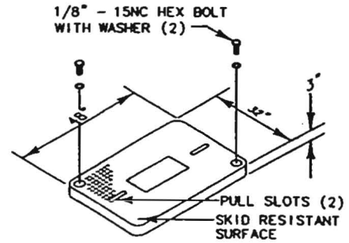
SONOMA COUNTY
CALIFORNIA



BRIDGE ATTACHMENT DETAIL
NOT TO SCALE

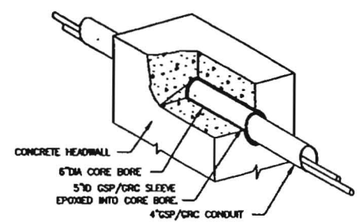


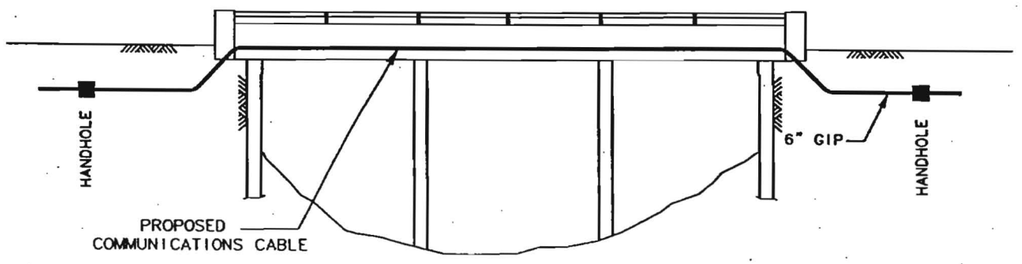
QUAZITE HANDHOLE



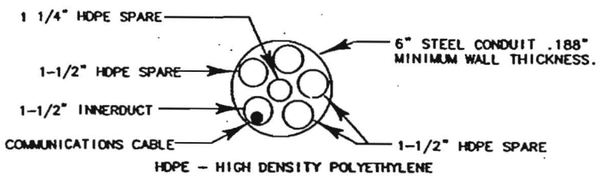
TYPICAL DETAIL "M"
CORE BORE

NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.





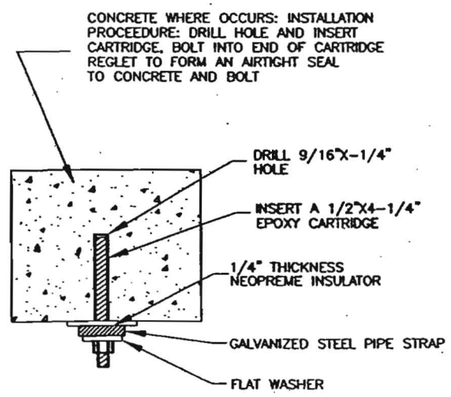
PROFILE VIEW
N.T.S.



HDPE DETAIL (6" CASING)
N.T.S.

NOTE:

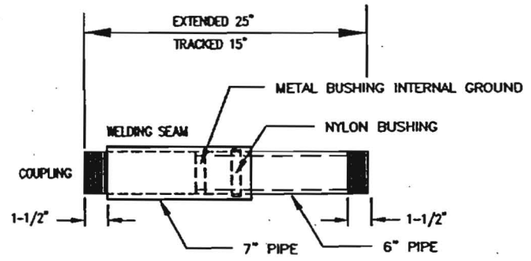
1. EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.
2. ALL STEEL PIPE TO BE SCHEDULE 40.
3. A MINIMUM OF 100' OF SLACK WILL BE COILED IN HANDHOLES ON EACH SIDE OF BRIDGE.
4. REFERENCE ALIGNMENT SHEET PTAR-SACR-086



1/2" STUD STAINLESS STEEL WITH SIDE LOCKNUT OR CADIUM PLATED WITH CONE LOCKNUT

NOTE:
ABANDONED HOLES WILL BE FILLED WITH NON-SHRINK GROUT.

ANCHOR BOLT DETAIL



NOTE:
BRIDGES IN EXCESS OF 80' ft.
AND LESS THAN 150' ft. WILL BE EQUIPED WITH AN EXPANSION JOINT AT MID POINT.

BRIDGES IN EXCESS OF 150'ft.
WILL NE EQUIPED WITH EXPANSION JOINTS AT 150'ft. INTERVALS.

NOTE:
1. PIPE MACHINED TO HOLD NYLON BUSHING.
2. EXPANSION JOINT HAS A MINIMUM OF 6" TRAVEL.
3. EXPANSION JOINT MAY BE MANUFACTURED TO ANY LENGHT OF TRAVEL.

STEEL EXPANSION JOINT DETAIL

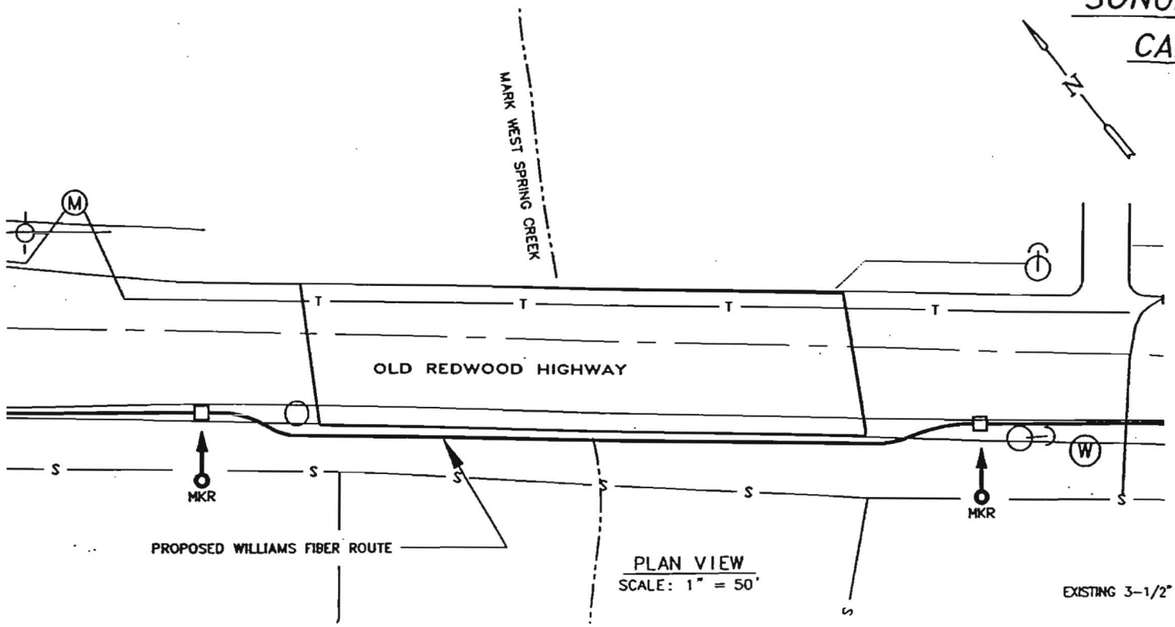
REVISIONS			
REV NO.	DESCRIPTION	DWN BY	DATE

Williams
COMMUNICATIONS GROUP
Network Services

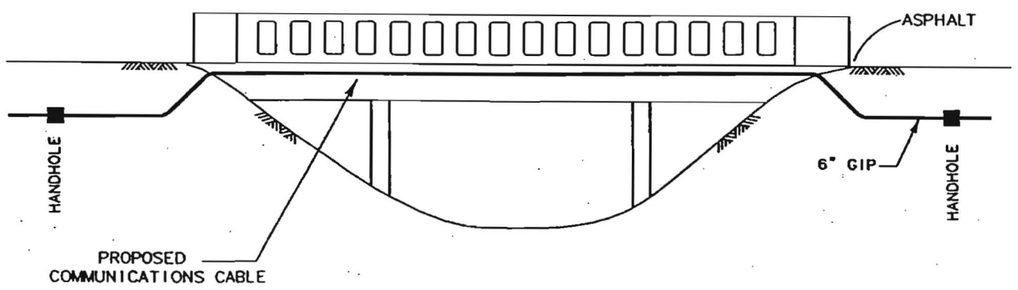
WESTSIDE STREET
AT
FOSS CREEK

DRAWN BY: MHW	14JULY00
CHECKED BY: MHW	14JULY00
APPROVED:	
APPROVED:	
AFE 4552 LOC. CODE:	
HORIZONTAL SCALE: 1" = 50'	
VERTICAL SCALE: N/A	

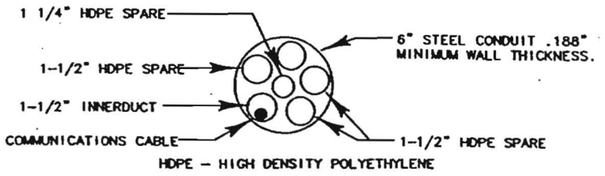
SONOMA COUNTY
CALIFORNIA



PLAN VIEW
SCALE: 1" = 50'



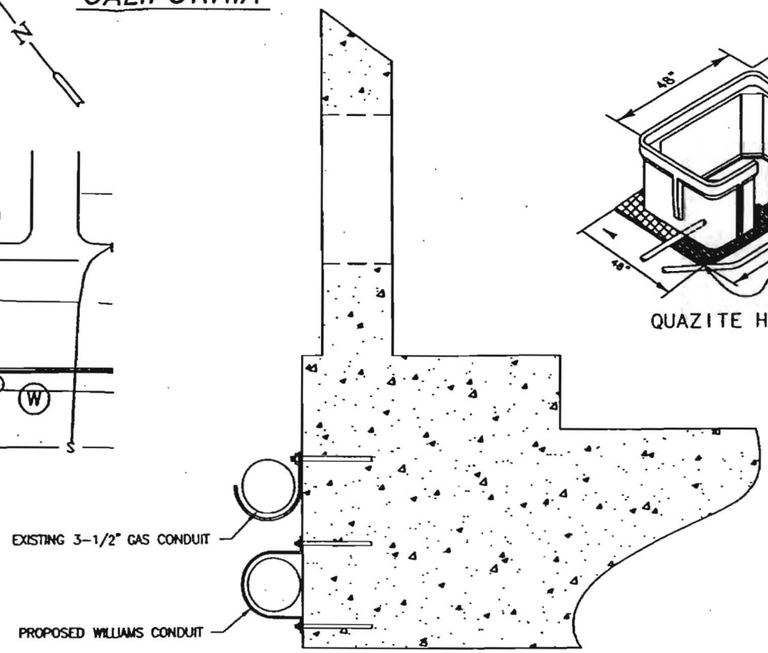
PROFILE VIEW
N.T.S.



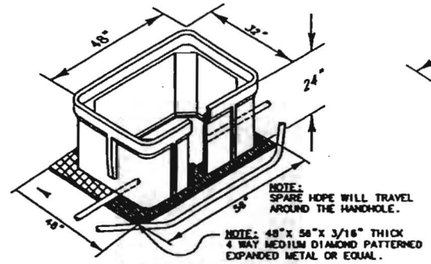
HDPE DETAIL (6" CASING)
N.T.S.

NOTE:

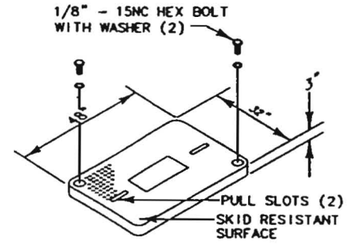
1. EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.
2. ALL STEEL PIPE TO BE SCHEDULE 40.
3. A MINIMUM OF 100' OF SLACK WILL BE COILED IN HANDHOLES ON EACH SIDE OF BRIDGE.
4. REFERENCE ALIGNMENT SHEET PTAR-SACR-257



BRIDGE ATTACHMENT DETAIL
NOT TO SCALE

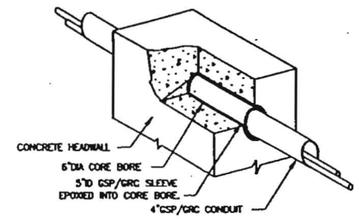


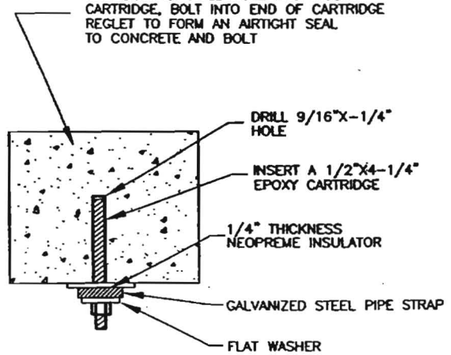
QUAZITE HANDHOLE



TYPICAL DETAIL "M"
CORE BORE

NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.

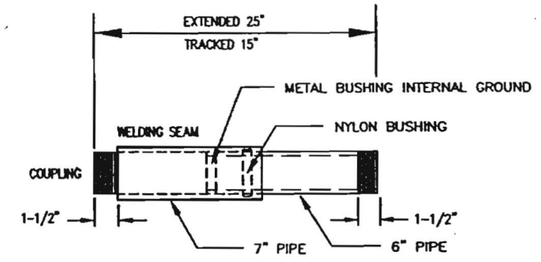




1/2" STUD STAINLESS STEEL WITH SIDE LOCKNUT OR CADIUM PLATED WITH CONE LOCKNUT

NOTE:
ABANDONED HOLES WILL BE FILLED WITH NON-SHRINK GROUT.

ANCHOR BOLT DETAIL



NOTE:
BRIDGES IN EXCESS OF 80' ft.
AND LESS THAN 150' ft. WILL BE EQUIPED
WITH AN EXPANSION JOINT AT MID POINT.

BRIDGES IN EXCESS OF 150'ft.
WILL NE EQUIPED WITH EXPANSION JOINTS
AT 150'ft. INTERVALS.

NOTE:
1. PIPE MACHINED TO HOLD NYLON BUSHING.
2. EXPANSION JOINT HAS A MINIMUM OF 6" TRAVEL.
3. EXPANSION JOINT MAY BE MANUFACTURED TO ANY LENGHT OF TRAVEL.

STEEL EXPANSION JOINT DETAIL

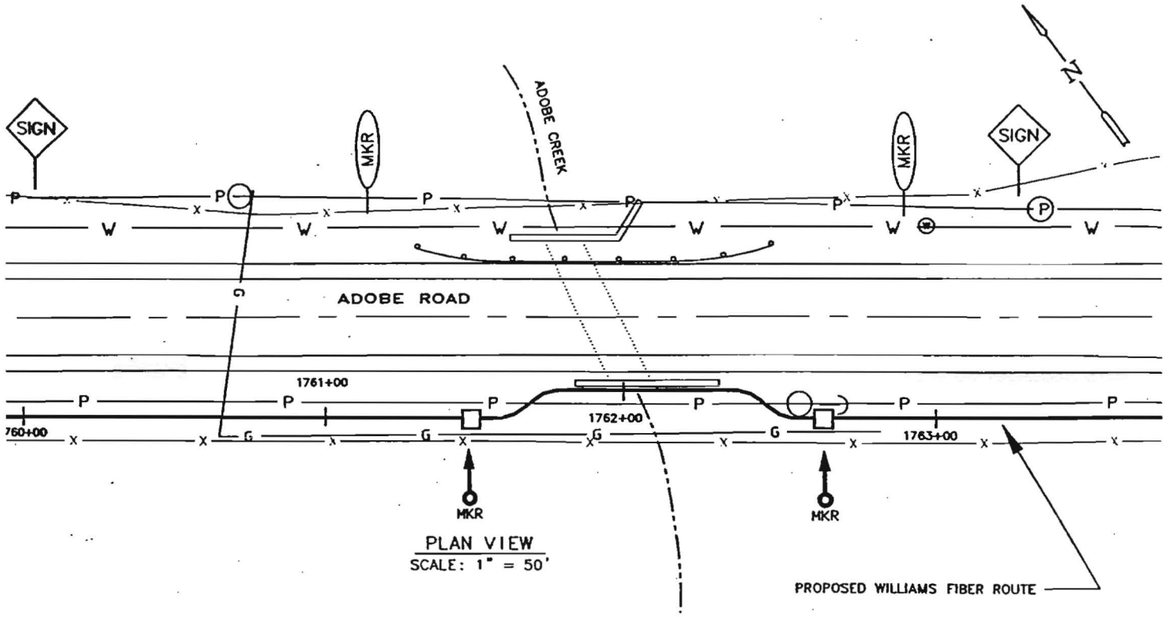
REV NO.	REVISIONS / DESCRIPTION	DWN BY	DATE

Williams
COMMUNICATIONS GROUP
Network Services

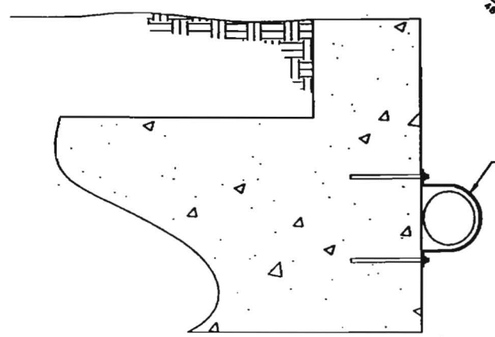
MARK WEST SPRING CREEK
AT
OLD REDWOOD HIGHWAY

DRAWN BY: MHW	14-JULY00
CHECKED BY: MHW	14-JULY00
APPROVED:	
APPROVED:	
AFE 4552 LOC. CODE:	
HORIZONTAL SCALE: 1" = 50'	
VERTICAL SCALE: N/A	

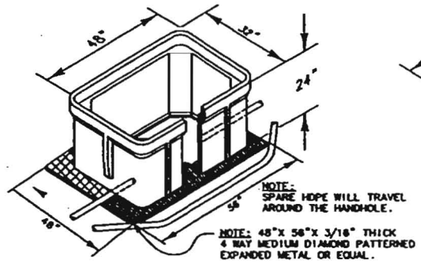
SONOMA COUNTY
CALIFORNIA



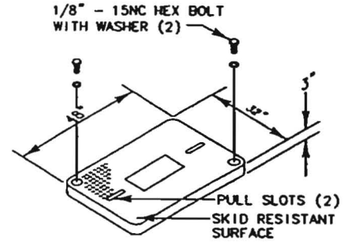
PLAN VIEW
SCALE: 1" = 50'



BRIDGE ATTACHMENT DETAIL
NOT TO SCALE

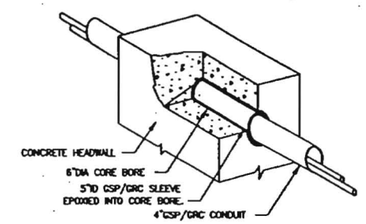


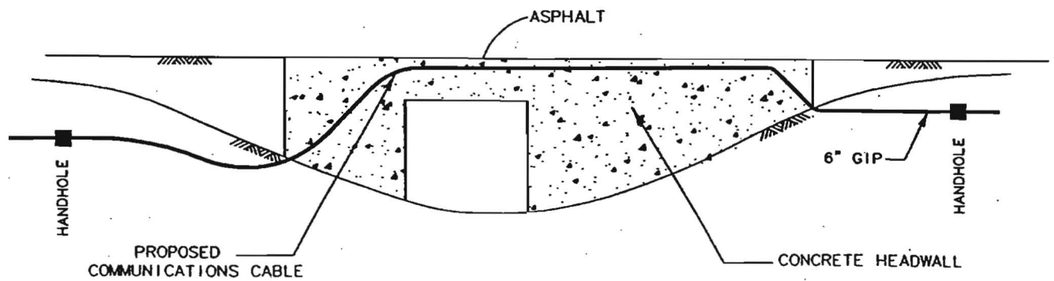
QUAZITE HANDHOLE



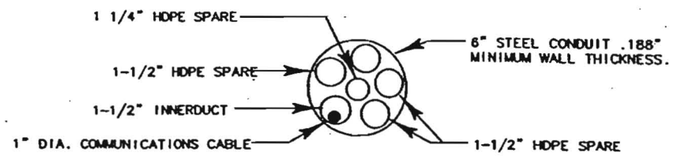
TYPICAL DETAIL "M"
CORE BORE

NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.





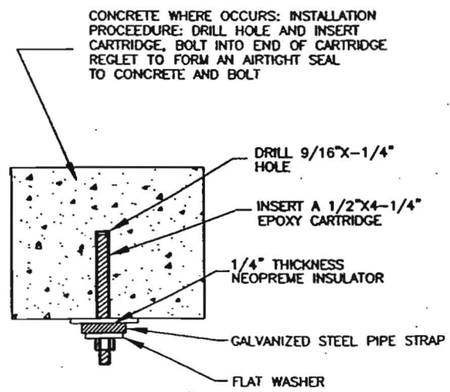
PROFILE VIEW
N.T.S.



HDPE DETAIL (6" CASING)
N.T.S.

NOTE:

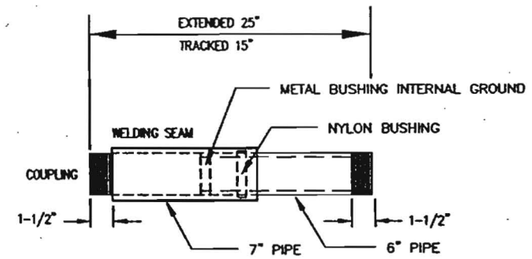
1. EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.
2. ALL STEEL PIPE TO BE SCHEDULE 40.
3. A MINIMUM OF 100' OF SLACK WILL BE COILED IN HANDHOLES ON EACH SIDE OF BRIDGE.
4. REFERENCE ALIGNMENT SHEET PTAR-SACR-257



1/2" STUD STAINLESS STEEL WITH SIDE LOCKNUT OR CADIUM PLATED WITH CONE LOCKNUT

NOTE:
ABANDONED HOLES WILL BE FILLED WITH NON-SHRINK GROUT.

ANCHOR BOLT DETAIL



NOTE:
BRIDGES IN EXCESS OF 80' ft.
AND LESS THAN 150' ft. WILL BE EQUIPED WITH AN EXPANSION JOINT AT MID POINT.

BRIDGES IN EXCESS OF 150'ft.
WILL NE EQUIPED WITH EXPANSION JOINTS AT 150'ft. INTERVALS.

NOTE:
1. PIPE MACHINED TO HOLD NYLON BUSHING.
2. EXPANSION JOINT HAS A MINIMUM OF 6" TRAVEL.
3. EXPANSION JOINT MAY BE MANUFACTURED TO ANY LENGHT OF TRAVEL.

STEEL EXPANSION JOINT DETAIL

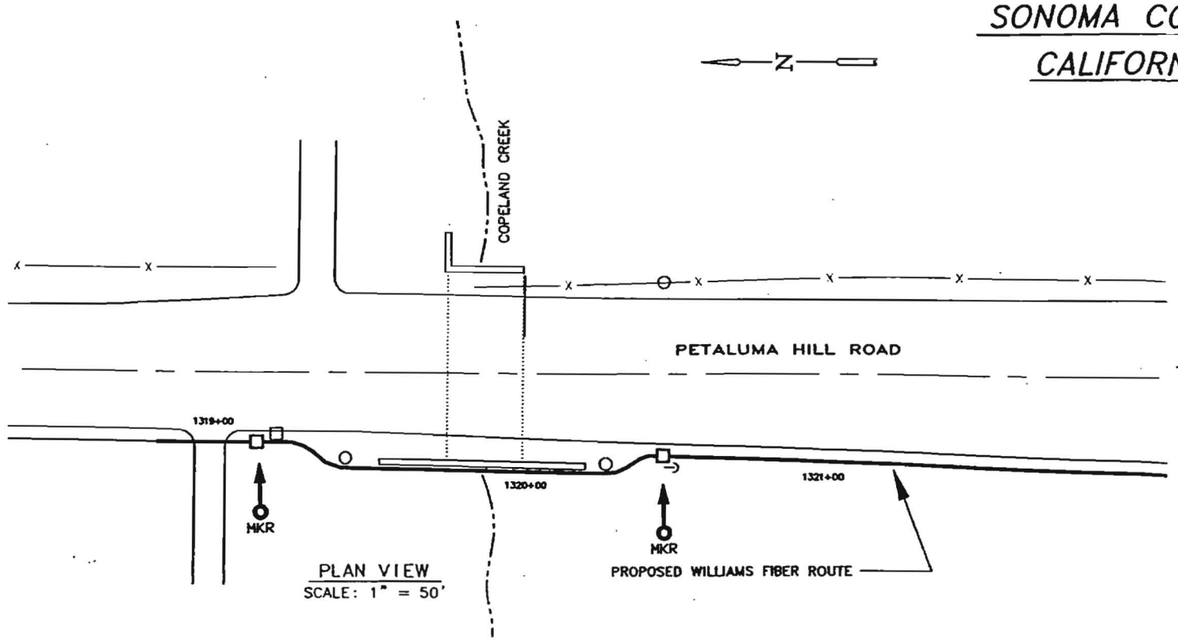
REV NO.	DESCRIPTION	DWN BY	DATE
	REVISIONS		

Williams
COMMUNICATIONS GROUP
Network Services

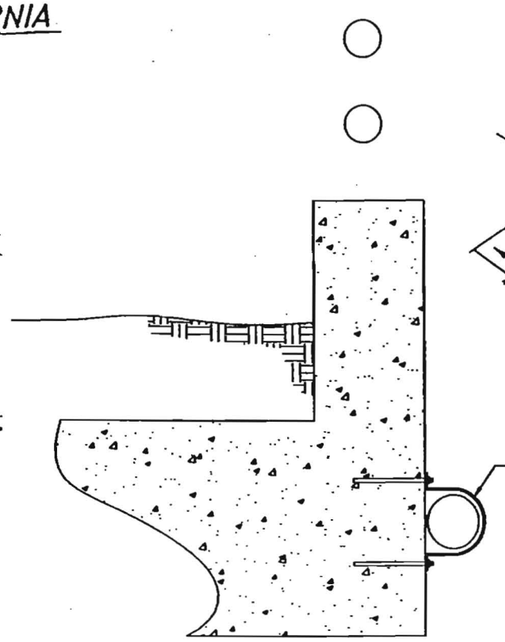
ADOBE CREEK
AT
ADOBE ROAD

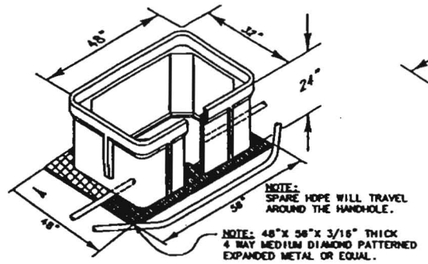
DRAWN BY: MHW	14-JULY00
CHECKED BY: MHW	14-JULY00
APPROVED:	
APPROVED:	
AFE 4552 LOC. CODE:	
HORIZONTAL SCALE: 1" = 50'	
VERTICAL SCALE: N/A	

SONOMA COUNTY
CALIFORNIA

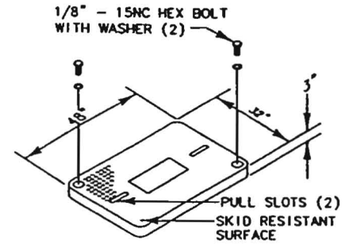


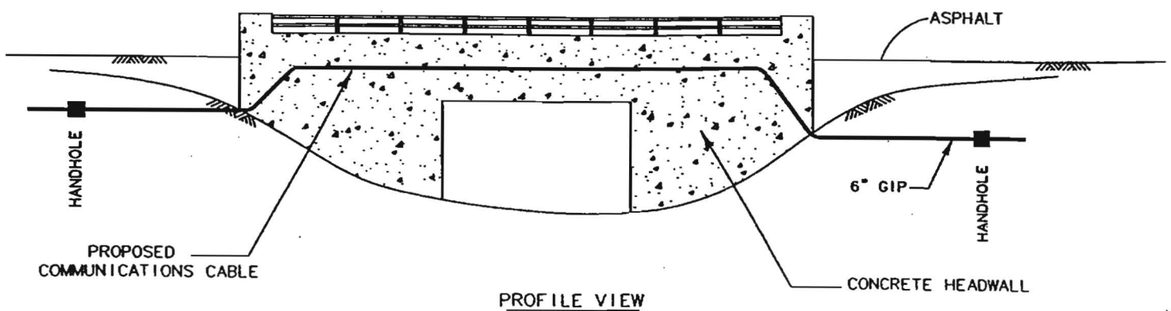
PLAN VIEW
SCALE: 1" = 50'



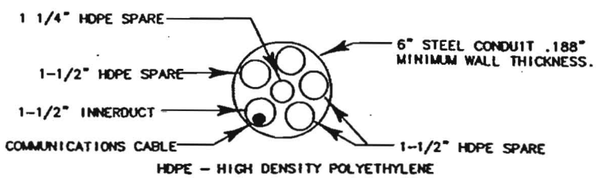


QUAZITE HANDHOLE





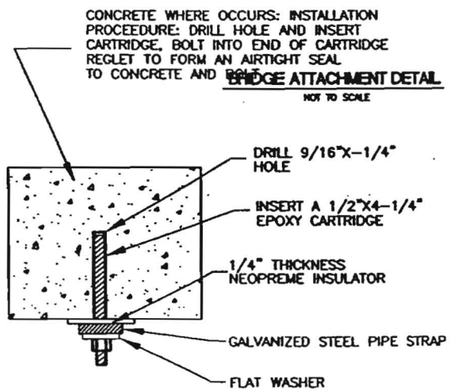
PROFILE VIEW
N.T.S.



HDPE DETAIL (6" CASING)
N.T.S.

NOTE:

1. EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.
2. ALL STEEL PIPE TO BE SCHEDULE 40.
3. A MINIMUM OF 100' OF SLACK WILL BE COILED IN HANDHOLES ON EACH SIDE OF BRIDGE.
4. REFERENCE ALIGNMENT SHEET PTAR-SACR-220

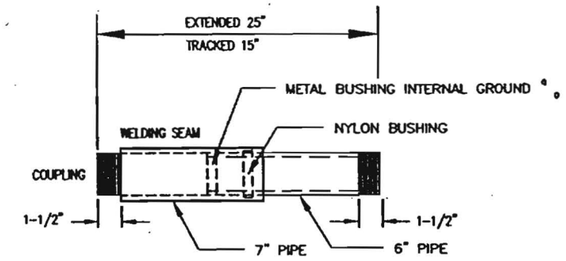


BRIDGE ATTACHMENT DETAIL
NOT TO SCALE

1/2" STUD STAINLESS STEEL WITH SIDE LOCKNUT OR CADIUM PLATED WITH CONE LOCKNUT

NOTE:
ABANDONED HOLES WILL BE FILLED WITH NON-SHRINK GROUT.

ANCHOR BOLT DETAIL



NOTE:
BRIDGES IN EXCESS OF 80' ft.
AND LESS THAN 150' ft. WILL BE EQUIPED WITH AN EXPANSION JOINT AT MID POINT.

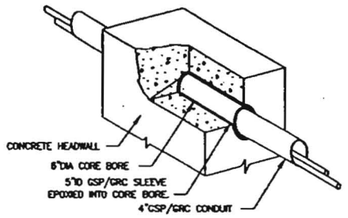
BRIDGES IN EXCESS OF 150'ft.
WILL NE EQUIPED WITH EXPANSION JOINTS AT 150'ft. INTERVALS.

NOTE:
1. PIPE MACHINED TO HOLD NYLON BUSHING.
2. EXPANSION JOINT HAS A MINIMUM OF 6" TRAVEL.
3. EXPANSION JOINT MAY BE MANUFACTURED TO ANY LENGHT OF TRAVEL.

STEEL EXPANSION JOINT DETAIL

TYPICAL DETAIL "M"
CORE BORE

NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.



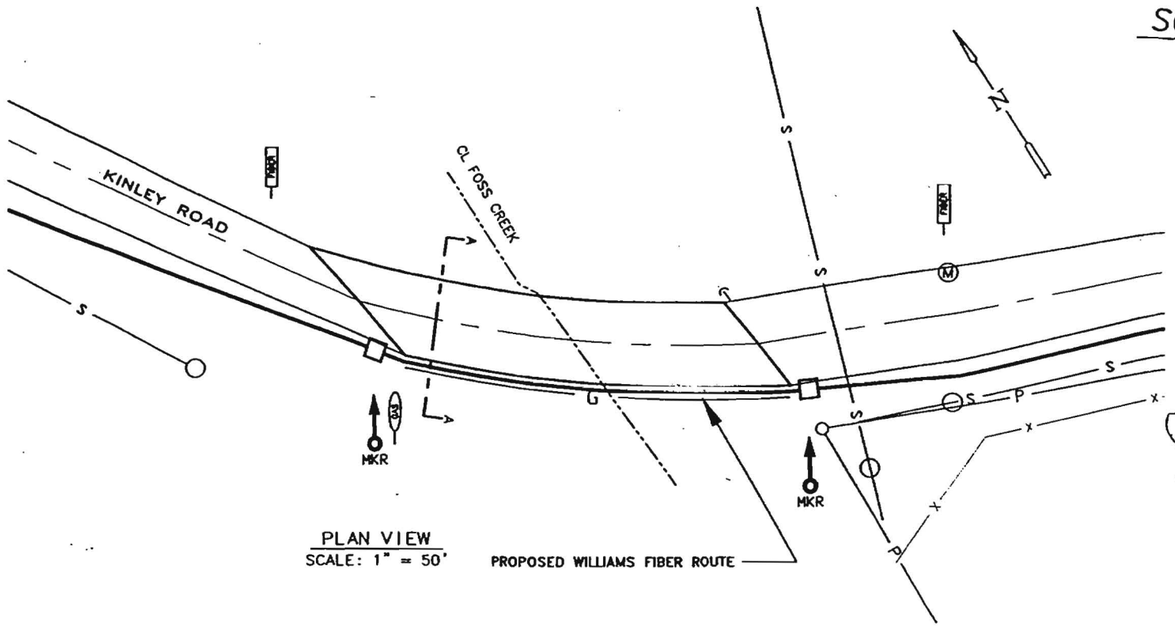
REV NO.	REVISIONS / DESCRIPTION	DRN BY	DATE

Williams
COMMUNICATIONS GROUP
Midwest Services

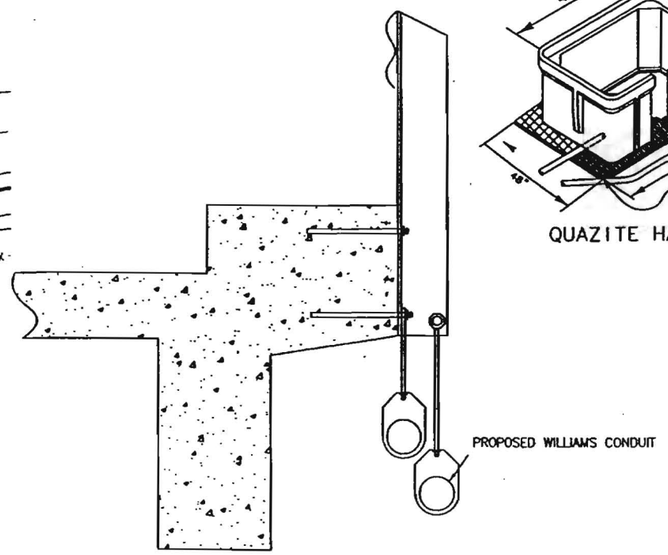
COPELAND CREEK
AT
PETALUMA HILL ROAD

DRAWN BY: MHW	14-JULY00
CHECKED BY: MHW	14-JULY00
APPROVED:	
APPROVED:	
AFE 4552 LOC. CODE:	
HORIZONTAL SCALE: 1" = 50'	
VERTICAL SCALE: N/A	

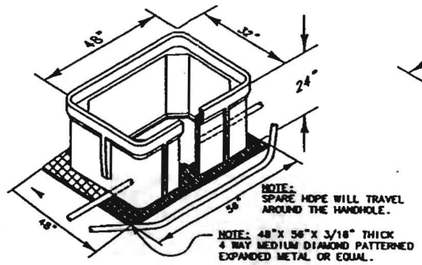
SONOMA COUNTY
CALIFORNIA



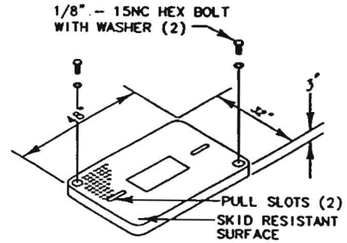
PLAN VIEW
SCALE: 1" = 50'



BRIDGE ATTACHMENT DETAIL
NOT TO SCALE

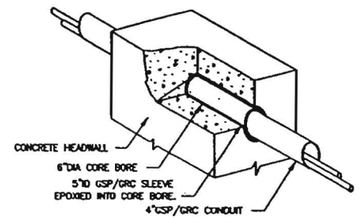


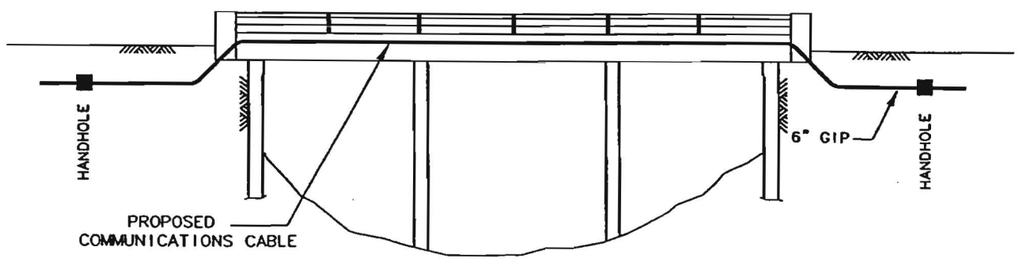
QUAZITE HANDHOLE



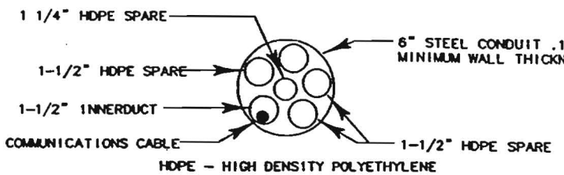
TYPICAL DETAIL "M"
CORE BORE

NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.





PROFILE VIEW
N.T.S.

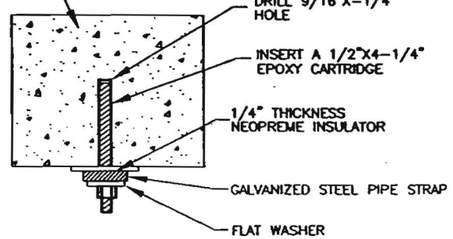


HDPE DETAIL (6" CASING)
N.T.S.

NOTE:

1. EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.
2. ALL STEEL PIPE TO BE SCHEDULE 40.
3. A MINIMUM OF 100' OF SLACK WILL BE COILED IN HANDHOLES ON EACH SIDE OF BRIDGE.
4. REFERENCE ALIGNMENT SHEET PTAR-SACR-088

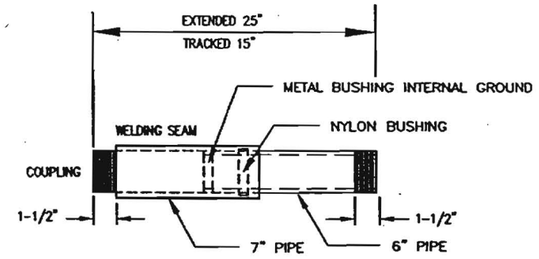
CONCRETE WHERE OCCURS: INSTALLATION PROCEEDURE: DRILL HOLE AND INSERT CARTRIDGE, BOLT INTO END OF CARTRIDGE REGLET TO FORM AN AIRTIGHT SEAL TO CONCRETE AND BOLT



1/2" STUD STAINLESS STEEL WITH SIDE LOCKNUT OR CADIUM PLATED WITH CONE LOCKNUT

NOTE:
ABANDONED HOLES WILL BE FILLED WITH NON-SHRINK GROUT.

ANCHOR BOLT DETAIL



NOTE:
BRIDGES IN EXCESS OF 80' ft. AND LESS THAN 150' ft. WILL BE EQUIPED WITH AN EXPANSION JOINT AT MID POINT.

BRIDGES IN EXCESS OF 150'ft. WILL NE EQUIPED WITH EXPANSION JOINTS AT 150'ft. INTERVALS.

NOTE:
1. PIPE MACHINED TO HOLD NYLON BUSHING.
2. EXPANSION JOINT HAS A MINIMUM OF 6" TRAVEL.
3. EXPANSION JOINT MAY BE MANUFACTURED TO ANY LENGHT OF TRAVEL.

STEEL EXPANSION JOINT DETAIL

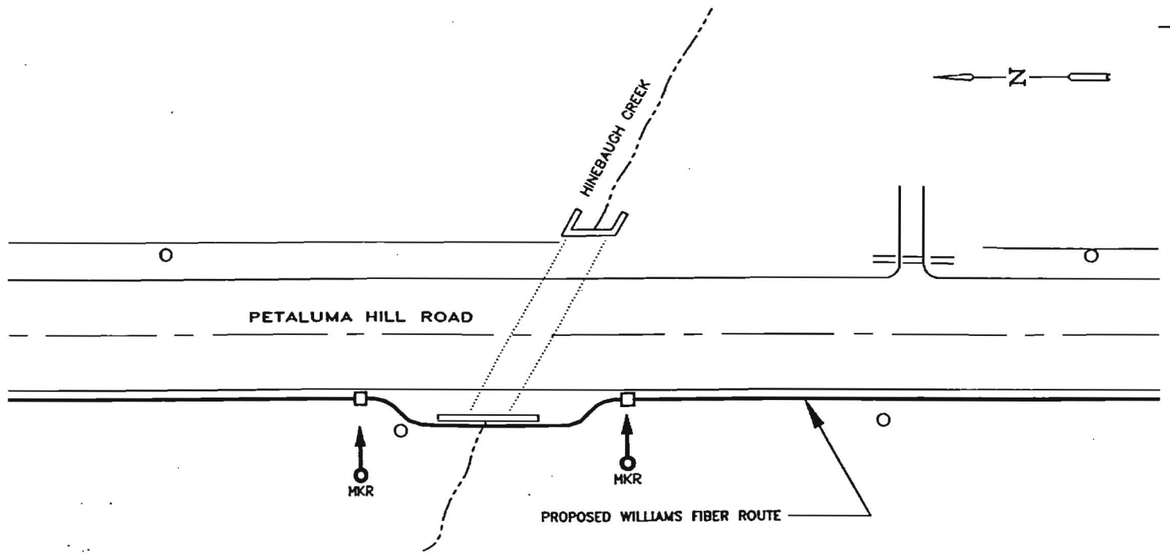
REV NO.	REVISIONS / DESCRIPTION	DWN BY	DATE

Williams
COMMUNICATIONS GROUP
Network Services

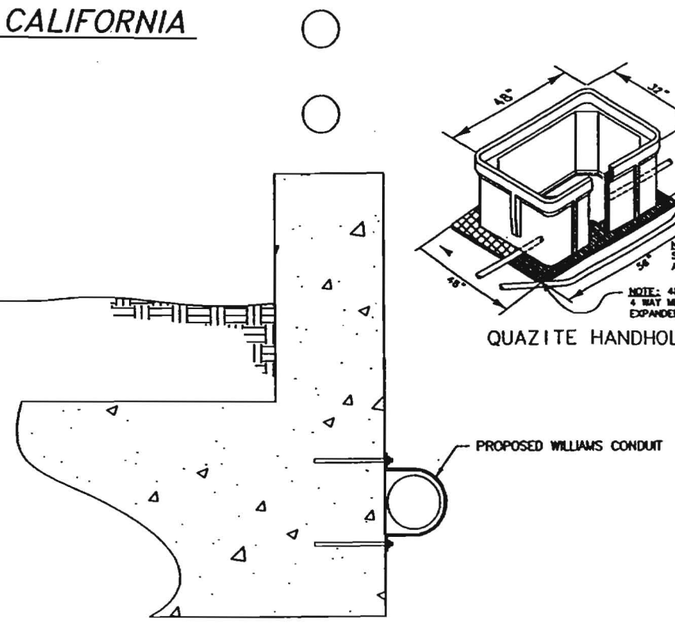
KINLEY ROAD
AT
FOSS CREEK

DRAWN BY: MHW	14-JULY00
CHECKED BY: MHW	14-JULY00
APPROVED:	
APPROVED:	
AFE 4552 LOC. CODE:	
HORIZONTAL SCALE: 1" = 50'	
VERTICAL SCALE: N/A	

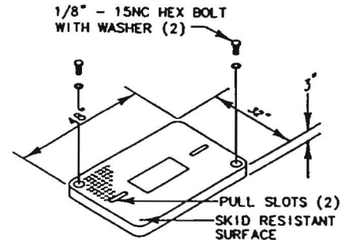
SONOMA COUNTY
CALIFORNIA



PLAN VIEW
SCALE: 1" = 50'

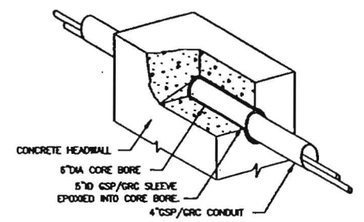


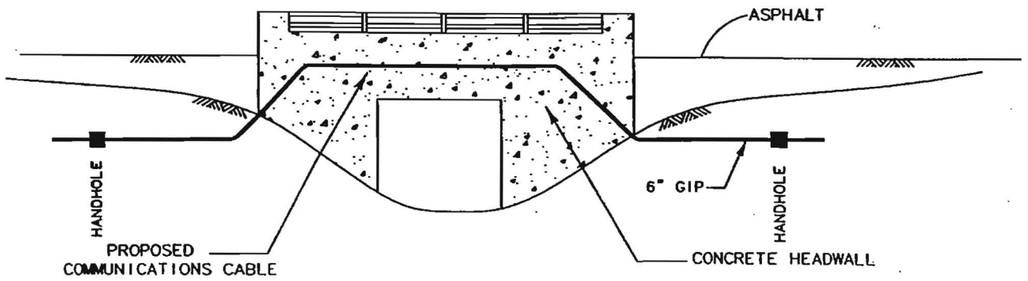
QUAZITE HANDHOLE



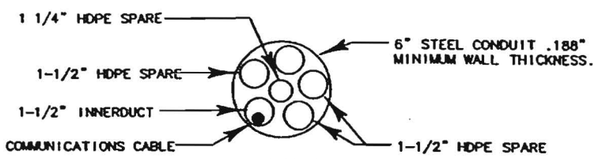
TYPICAL DETAIL "M"
CORE BORE

NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.





PROFILE VIEW
N.T.S.



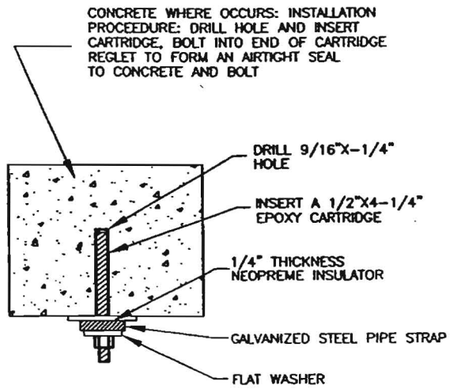
HDPE - HIGH DENSITY POLYETHYLENE

HDPE DETAIL (6" CASING)
N.T.S.

NOTE:

1. EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.
2. ALL STEEL PIPE TO BE SCHEDULE 40.
3. A MINIMUM OF 100' OF SLACK WILL BE COILED IN HANDHOLES ON EACH SIDE OF BRIDGE.
4. REFERENCE ALIGNMENT SHEET PTAR-SACR-218

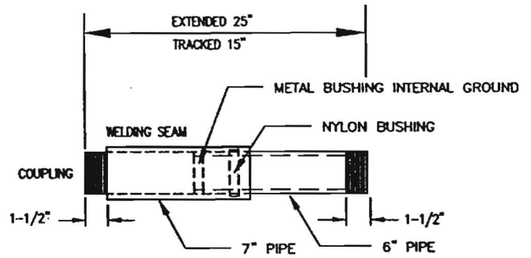
BRIDGE ATTACHMENT DETAIL
NOT TO SCALE



1/2" STUD STAINLESS STEEL WITH SIDE LOCKNUT OR CADIUM PLATED WITH CONE LOCKNUT

NOTE:
ABANDONED HOLES WILL BE FILLED WITH NON-SHRINK GROUT.

ANCHOR BOLT DETAIL



NOTE:
BRIDGES IN EXCESS OF 80' ft.
AND LESS THAN 150' ft. WILL BE EQUIPED WITH AN EXPANSION JOINT AT MID POINT.

BRIDGES IN EXCESS OF 150'ft.
WILL NE EQUIPED WITH EXPANSION JOINTS AT 150'ft. INTERVALS.

NOTE:
1. PIPE MACHINED TO HOLD NYLON BUSHING.
2. EXPANSION JOINT HAS A MINIMUM OF 6" TRAVEL.
3. EXPANSION JOINT MAY BE MANUFACTURED TO ANY LENGHT OF TRAVEL.

STEEL EXPANSION JOINT DETAIL

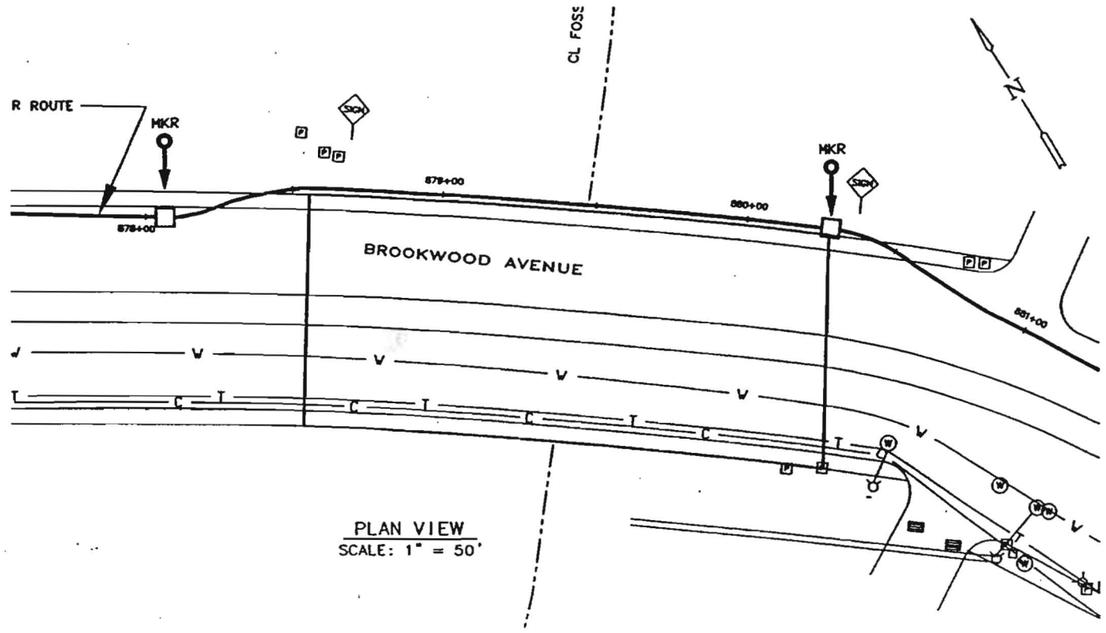
REV NO.	REVISIONS	DWN BY	DATE

Williams
COMMUNICATIONS GROUP
Network Services

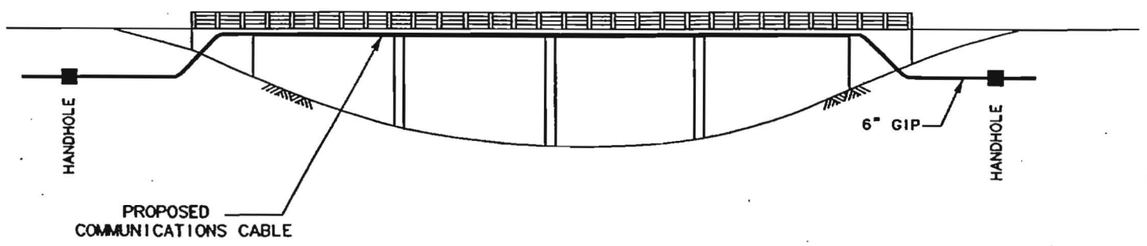
HINEBAUGH CREEK
AT
PETALUMA HILL ROAD

DRAWN BY: MHW	14-JULY00
CHECKED BY: MHW	14-JULY00
APPROVED:	
APPROVED:	
AFE 4552 LOC. CODE:	
HORIZONTAL SCALE: 1" = 50'	
VERTICAL SCALE: N/A	

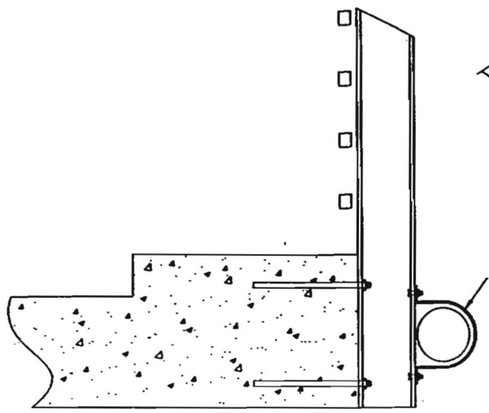
SONOMA COUNTY
CALIFORNIA

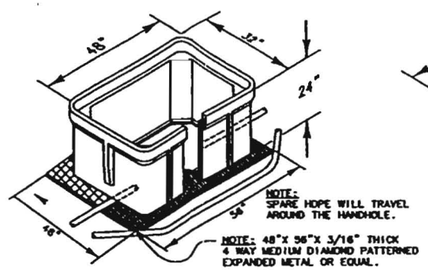


PLAN VIEW
SCALE: 1" = 50'

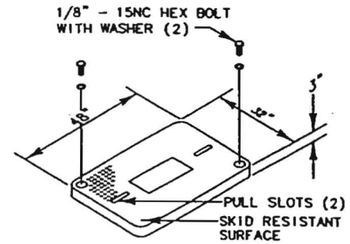


PROFILE VIEW
N.T.S.



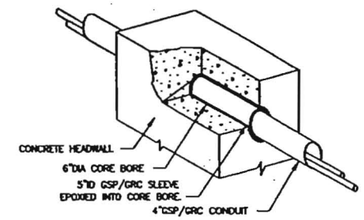


QUAZITE HANDHOLE

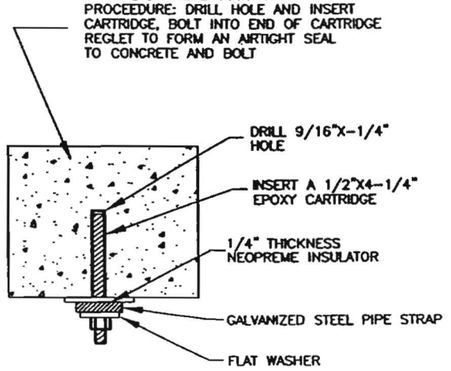


TYPICAL DETAIL "M"
CORE BORE

NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.



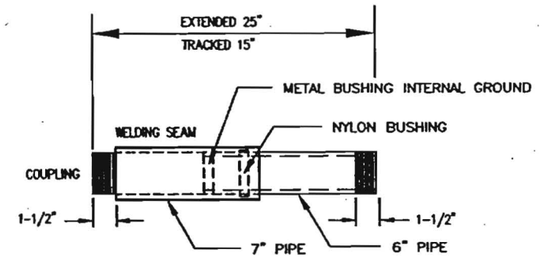
BRIDGE ATTACHMENT DETAIL
NOT TO SCALE



1/2" STUD STAINLESS STEEL WITH SIDE LOCKNUT
OR CADIUM PLATED WITH CONE LOCKNUT

NOTE:
ABANDONED HOLES WILL BE FILLED WITH
NON-SHRINK GROUT.

ANCHOR BOLT DETAIL

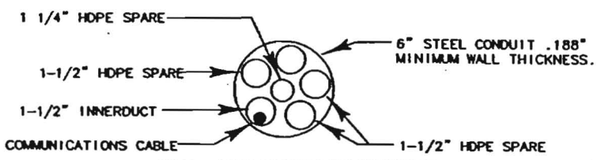


NOTE:
BRIDGES IN EXCESS OF 80' ft.
AND LESS THAN 150' ft. WILL BE EQUIPED
WITH AN EXPANSION JOINT AT MID POINT.

BRIDGES IN EXCESS OF 150'ft.
WILL NE EQUIPED WITH EXPANSION JOINTS
AT 150'fL INTERVALS.

NOTE:
1. PIPE MACHINED TO HOLD NYLON BUSHING.
2. EXPANSION JOINT HAS A MINIMUM OF 6" TRAVEL.
3. EXPANSION JOINT MAY BE MANUFACTURED TO ANY LENGHT OF TRAVEL.

STEEL EXPANSION JOINT DETAIL



HDPE - HIGH DENSITY POLYETHYLENE

HDPE DETAIL (6" CASING)
N.T.S.

NOTE:

1. EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.
2. ALL STEEL PIPE TO BE SCHEDULE 40.
3. A MINIMUM OF 100' OF SLACK WILL BE COILED IN HANDHOLES ON EACH SIDE OF BRIDGE.
4. REFERENCE ALIGNMENT SHEET PTAR-SACR-172

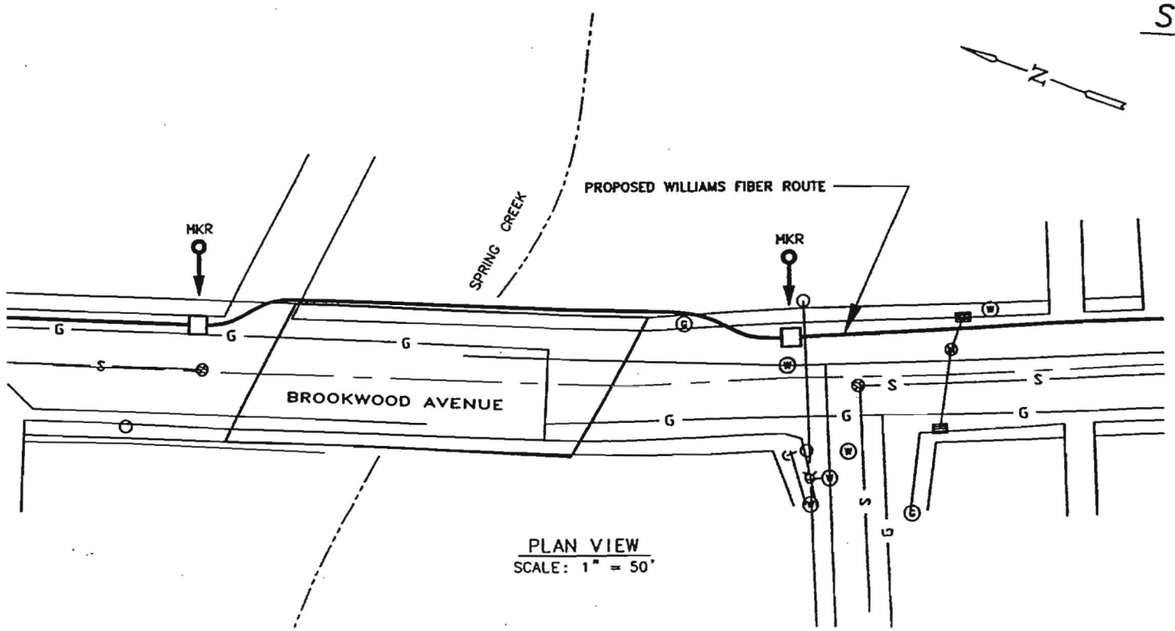
REVISIONS			
REV NO.	DESCRIPTION	DWN BY	DATE

Williams
COMMUNICATIONS GROUP
Network Services

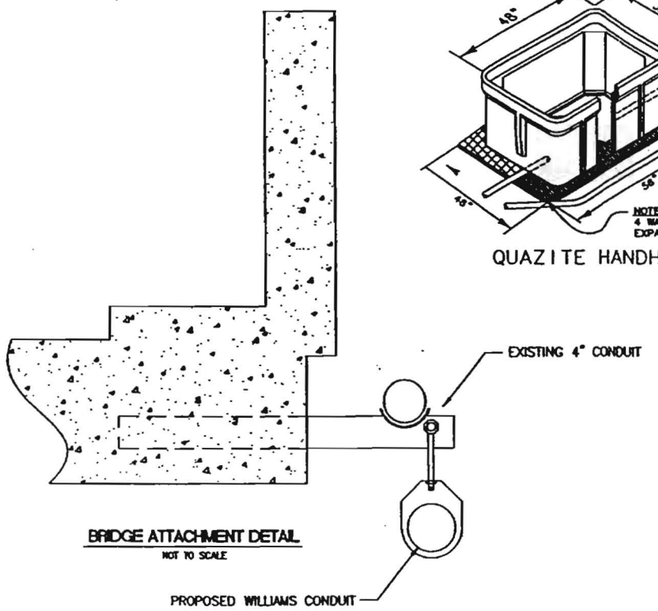
SANTA ROSA CREEK
AT
BROOKWOOD AVENUE

DRAWN BY: MHW	14JULY00
CHECKED BY: MHW	14JULY00
APPROVED:	
APPROVED:	
AFE 4552 LOC. CODE:	
HORIZONTAL SCALE: 1" = 50'	
VERTICAL SCALE: N/A	

SONOMA COUNTY
CALIFORNIA

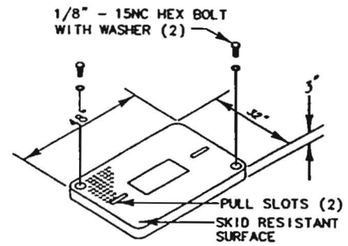


PLAN VIEW
SCALE: 1" = 50'



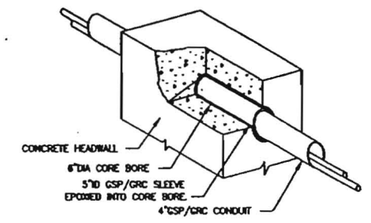
BRIDGE ATTACHMENT DETAIL
NOT TO SCALE

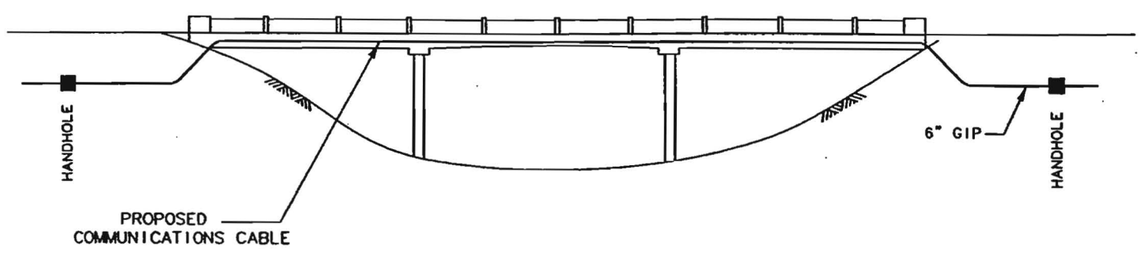
QUAZITE HANDHOLE



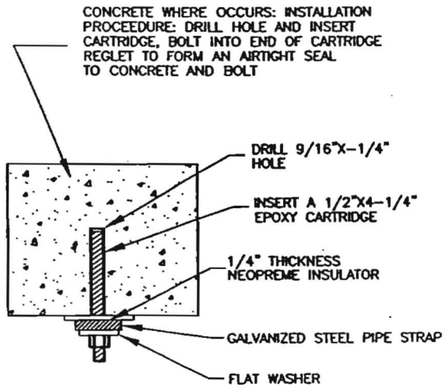
TYPICAL DETAIL "M"
CORE BORE

NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.





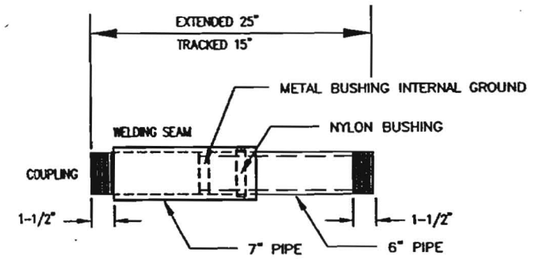
PROFILE VIEW
N.T.S.



1/2" STUD STAINLESS STEEL WITH SIDE LOCKNUT OR CADIUM PLATED WITH CONE LOCKNUT

NOTE:
ABANDONED HOLES WILL BE FILLED WITH NON-SHRINK GROUT.

ANCHOR BOLT DETAIL

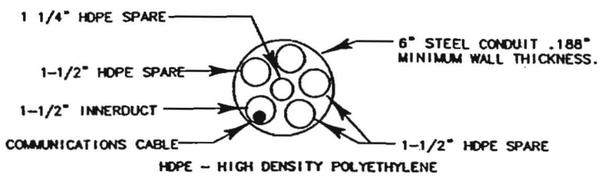


NOTE:
BRIDGES IN EXCESS OF 80' ft.
AND LESS THAN 150' ft. WILL BE EQUIPED WITH AN EXPANSION JOINT AT MID POINT.

BRIDGES IN EXCESS OF 150'ft.
WILL NE EQUIPED WITH EXPANSION JOINTS AT 150'ft. INTERVALS.

NOTE:
1. PIPE MACHINED TO HOLD NYLON BUSHING.
2. EXPANSION JOINT HAS A MINIMUM OF 6" TRAVEL.
3. EXPANSION JOINT MAY BE MANUFACTURED TO ANY LENGHT OF TRAVEL.

STEEL EXPANSION JOINT DETAIL



HDPE - HIGH DENSITY POLYETHYLENE

HDPE DETAIL (6" CASING)
N.T.S.

NOTE:

1. EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.
2. ALL STEEL PIPE TO BE SCHEDULE 40.
3. A MINIMUM OF 100' OF SLACK WILL BE COILED IN HANDHOLES ON EACH SIDE OF BRIDGE.
4. REFERENCE ALIGNMENT SHEET PTAR-SACR-174

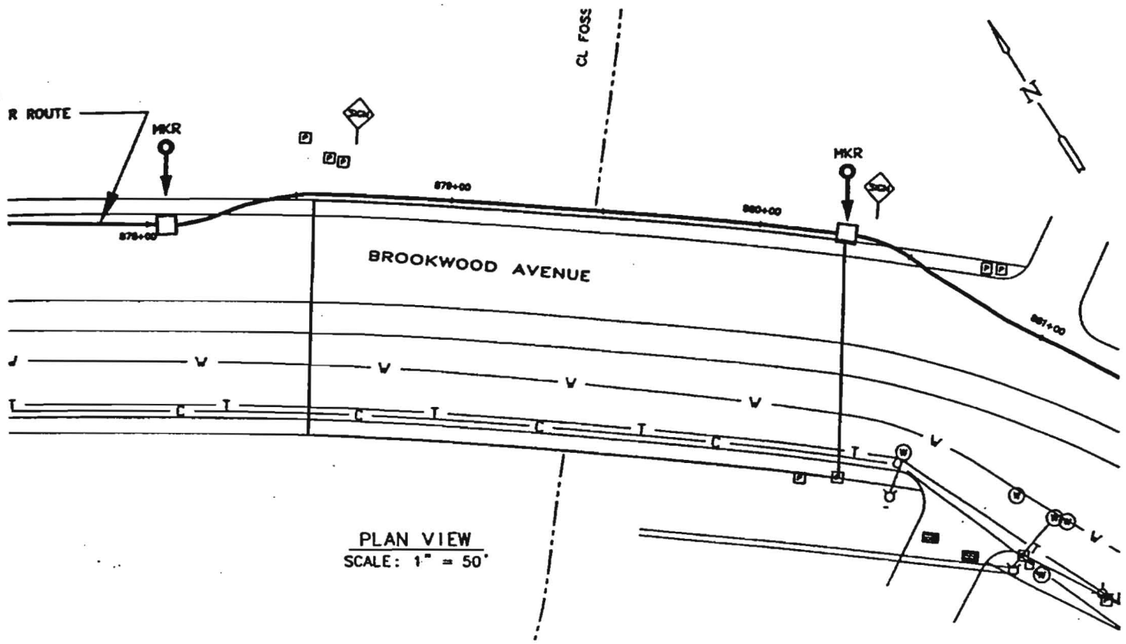
REV NO.	REVISIONS / DESCRIPTION	DWN BY	DATE

Williams
COMMUNICATIONS GROUP
Network Services

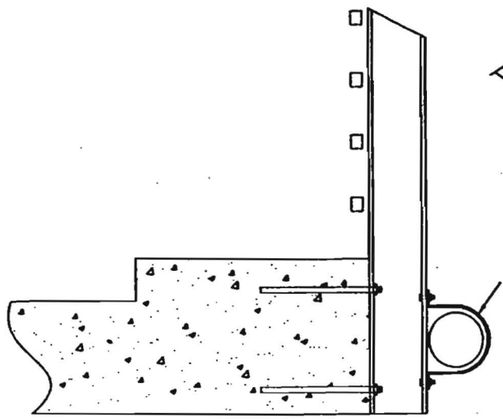
SPRING CREEK
AT
BROOKWOOD AVENUE

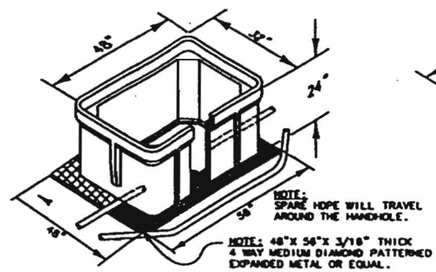
DRAWN BY: MHW	14JULY00
CHECKED BY: MHW	14JULY00
APPROVED:	
APPROVED:	
AFE 4552 LOC. CODE:	
HORIZONTAL SCALE: 1" = 50'	
VERTICAL SCALE: N/A	

SONOMA COUNTY
CALIFORNIA

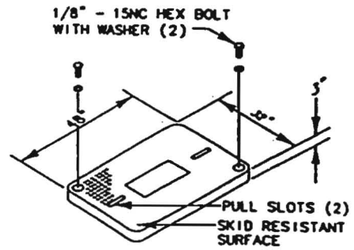


PLAN VIEW
SCALE: 1" = 50'



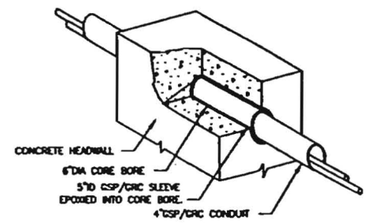


QUAZITE HANDHOLE

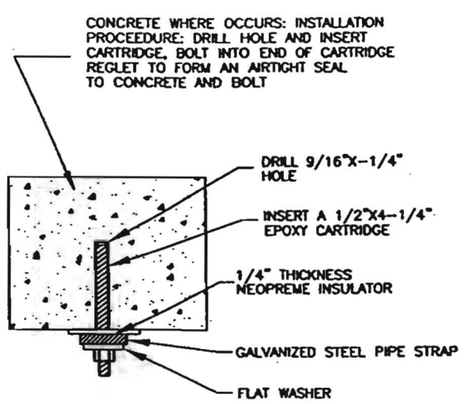


TYPICAL DETAIL "M"
CORE BORE

NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.



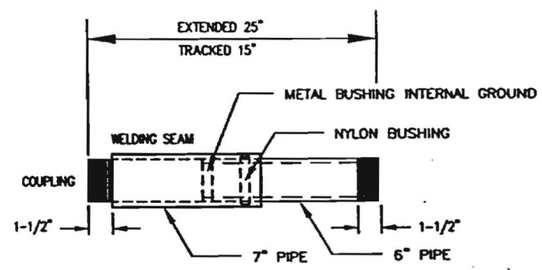
BRIDGE ATTACHMENT DETAIL
NOT TO SCALE



1/2" STUD STAINLESS STEEL WITH SIDE LOCKNUT OR CADIUM PLATED WITH CONE LOCKNUT

NOTE:
ABANDONED HOLES WILL BE FILLED WITH NON-SHRINK GROUT.

ANCHOR BOLT DETAIL



NOTE:
BRIDGES IN EXCESS OF 80' ft.
AND LESS THAN 150' ft. WILL BE EQUIPED WITH AN EXPANSION JOINT AT MID POINT.

BRIDGES IN EXCESS OF 150'ft.
WILL NE EQUIPED WITH EXPANSION JOINTS AT 150'ft. INTERVALS.

NOTE:
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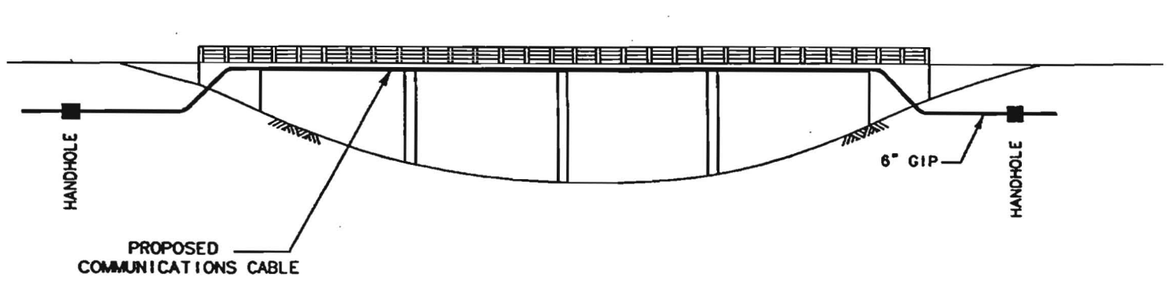
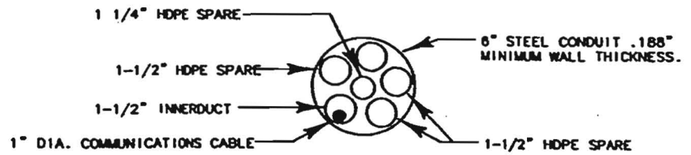
2. EXPANSION JOINT HAS A MINIMUM OF 6" TRAVEL.
3. EXPANSION JOINT MAY BE MANUFACTURED TO ANY LENGHT OF TRAVEL.

STEEL EXPANSION JOINT DETAIL



PROFILE VIEW
N.T.S.



HDPE - HIGH DENSITY POLYETHYLENE

HDPE DETAIL (6" CASING)
N.T.S.

NOTE:

1. EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.
2. ALL STEEL PIPE TO BE SCHEDULE 40.
3. A MINIMUM OF 100' OF SLACK WILL BE COILED IN HANDHOLES ON EACH SIDE OF BRIDGE.
4. REFERENCE ALIGNMENT SHEET PTAR-SACR-172

REVISIONS			
REV NO.	DESCRIPTION	DRN BY	DATE

COMMUNICATIONS GROUP
Network Services

SANTA ROSA CREEK
AT
BROOKWOOD AVENUE

DRAWN BY: MHW	14JUL
CHECKED BY: MHW	14JUL
APPROVED:	
APPROVED:	
AFE 4552 LOC. CODE:	
HORIZONTAL SCALE: 1" = 50'	
VERTICAL SCALE: N/A	

COUNTY OF SONOMA

FIBER STATIONING

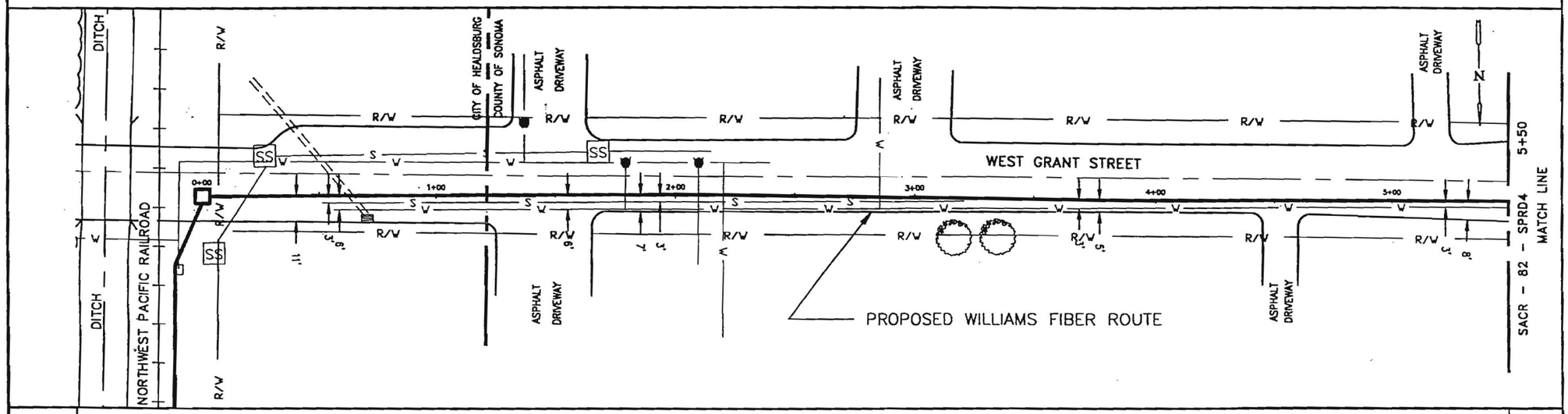
0+00 PLACE MANHOLE
0+03 STEEL PIPE
0+08 14' RT. BUILDING CORNER
1+15 14' RT. BUILDING CORNER
1+21 CITY LIMITS
1+36 36' LT. WATER VALVE
1+45 CL DRIVEWAY
1+46 15' LT. CL DRIVEWAY
1+66 25' LT. SANITARY MH
1+78 20' LT. WATER VALVE
2+09 20' LT. WATER VALVE
2+94 13' LT. CL DRIVEWAY
4+52 CL DRIVEWAY
5+17 11' LT. CL DRIVEWAY

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Water
- Gas Valve / Water
- Signal Pole
- Fire Hydrant
- Gas Marker
- OR Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=60'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SACR-81-SPRD4

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

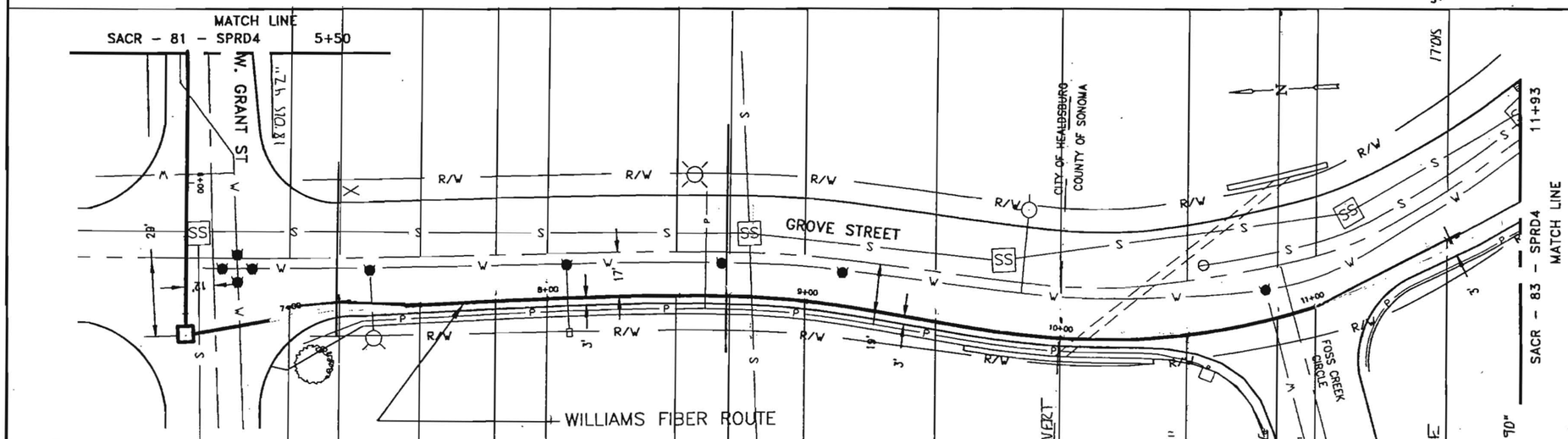
6+20 SEWER LINE
6+28 CL GROVE STREET
6+54 STEEL PIPE
6+61 STEEL PIPE
6+65 SEWER LINE XING
6+79 WATER LINE
7+24 45' LT. POLE
7+30 10' RT. WATER METER
7+30 14' LT. WATER VALVE
7+30 WATER LINE
8+65 14' LT. WATER VALVE
8+76 27' LT. SANITARY MH
9+12 14' LT. WATER VALVE
9+82 46' LT. FIRE HYDRANT
10+01 CULVERT
10+82 WATER LINE
10+82 10' LT. WATER VALVE
10+90 C/L FOSS CREEK CIR
11+25 32' LT. SANITARY MH

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



5+50	7400 TEL TRPDE	7419 WATER-LINE XING	18'DIS 48"	18'DIS 63"	18'DIS 133"	18'DIS 139"	19'DIS 121"	ELECTRICAL XING	19'DIS 172"	CATV XING	19'DIS 175"	19'DIS 132"	25'DIS 233"	C/L OF DRAINAGE CULVERT	22'DIS 213"	22'DIS 213"	22'DIS 154"	22'DIS 125"	11478 BEG BORE / ELVD ROUTE	16'DIS	90"	11+93
	7400	7419	WCCE	7450	7480	8100	8150	8169	WCCE	8472	WCCE	9100	9450	10100	WCCE	10450	11485	WCCE	11700	11478	11700	

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" HDPE BLACK 1-1.5" HDPE BLUE 1-1.5" HDPE ORANGE

7400		11458
11458		11493
458'		35'
Zell		Z.11
2-1.5" HDPE		2-1.5" HDPE
1-1.25" HDPE		1-1.25" HDPE
JEFF MCKOY		ERIK BALLOG
7.07.01		1.8.01
MGE		MGE

IN BLACK 1.25" HDPE
6GA TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

WILLIAMS COMMUNICATIONS GROUP Network Services

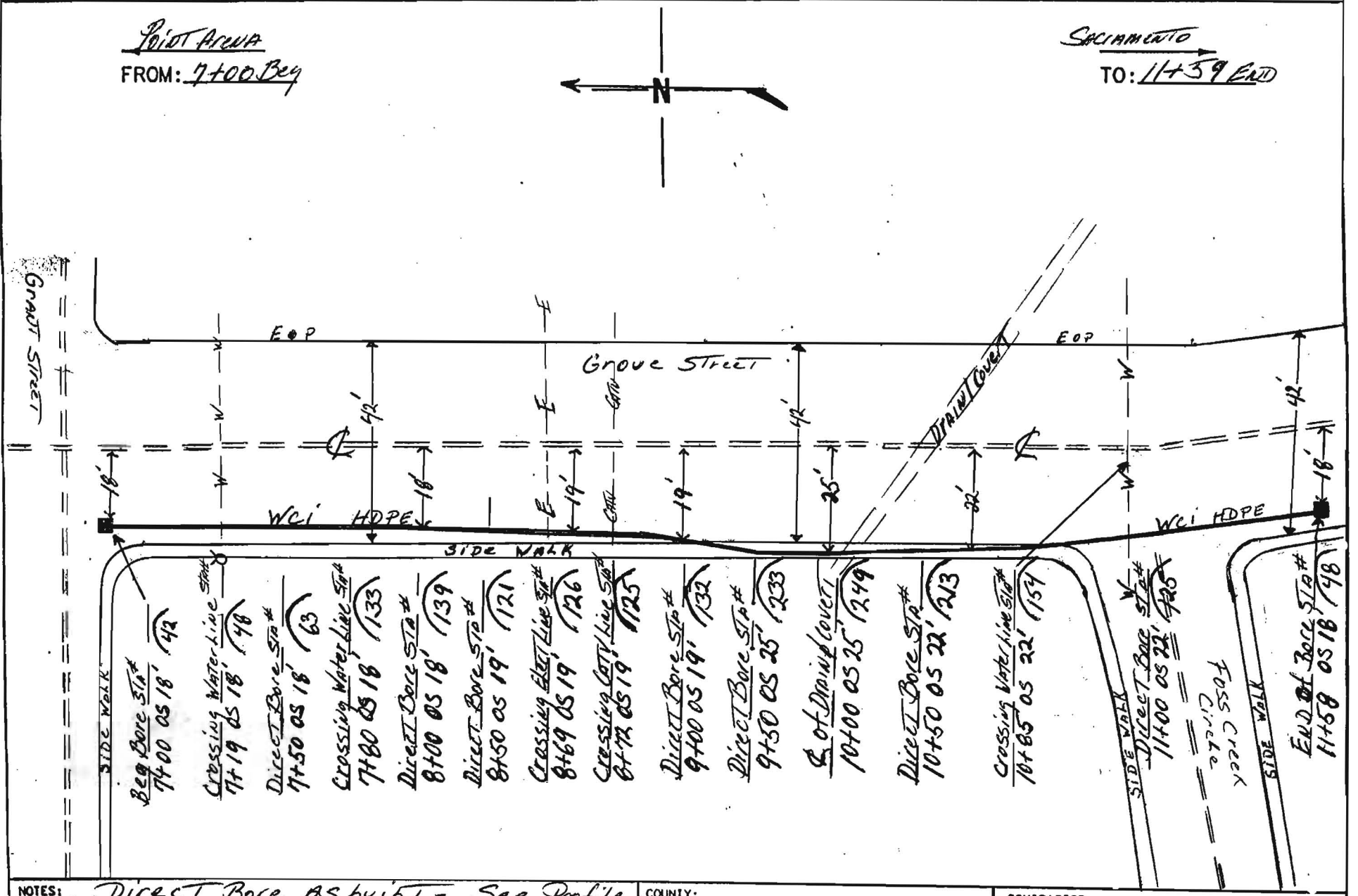
POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-82-SPRD4

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 02-07-01	PROJECT # 4875	DWG / ALIGNMENT SHEET 082	SPREAD # [illegible]B

Point Arena
FROM: 7+00 Beg

Sacramento
TO: 11+59 End

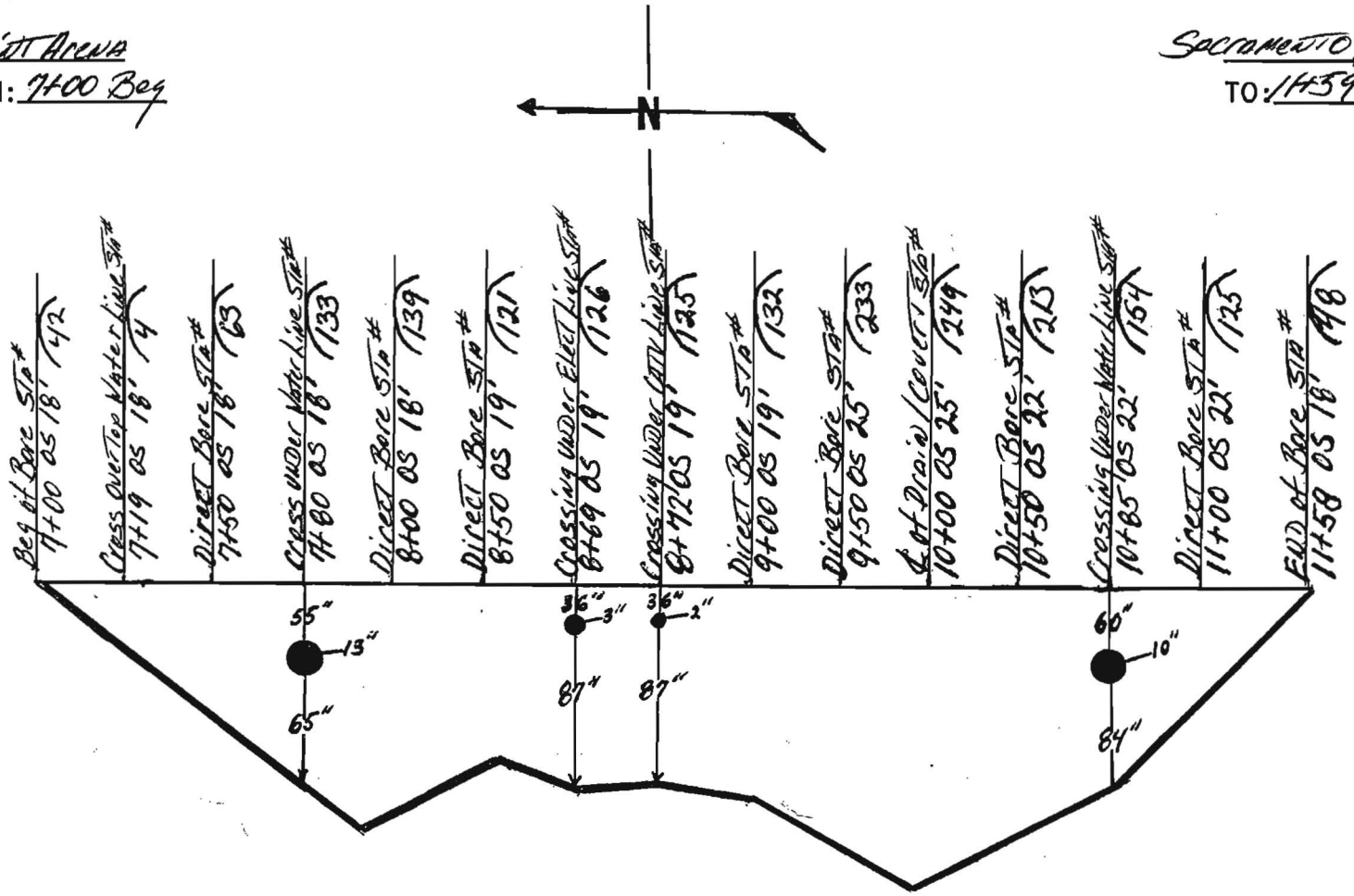


NOTES: Direct Bore Asbuilt - See Profile Asbuilt Dated 02-07-01 - William HDPE Crossing Utilities.	COUNTY: Sonoma	CONTRACTOR: MGE
	DUCT CONFIGURATION: 2-1.5"-1-1.25" HDPE	INSPECTOR: Jeff D McKoy

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 02-07-01	PROJECT #: 4875	DWG / ALIGNMENT SHEET: 082	SP: 48

Point Arena
FROM: 7+00 Beg

Sacramento
TO: 114+59 End

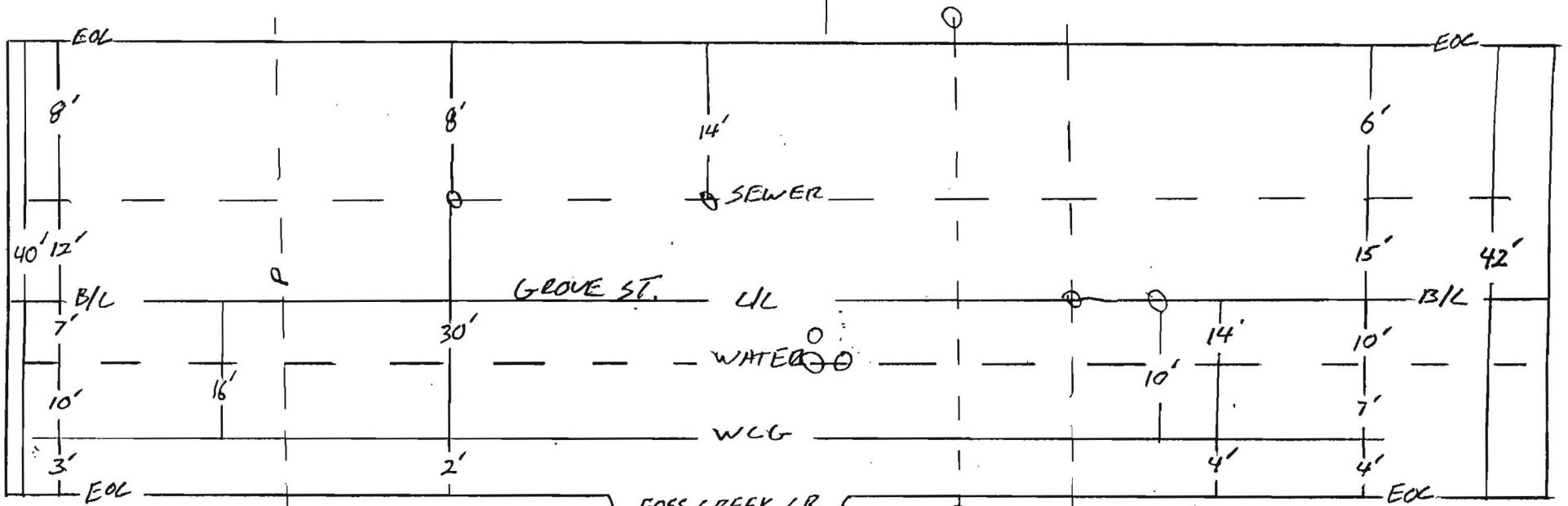


NOTES: Profile Asbuilts - Williams HDPE Crossing Utilities. See Direct Bore Asbuilt Dated 02-07-01.	COUNTY: SONOMA	CONTRACTOR: MGE
	DUCT CONFIGURATION: 2-1.5"-1-1.25" HDPE	INSPECTOR: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
8-00	4875	SARC-82, 83	4A

POINT ARENA ← N → SACRAMENTO



BEGIN BORE 11+58 12'o/s 48"
11+90 BORE 18'o/s 91"
11+93 MATCHLINE
12+20 BORE 16'o/s 114"
12+40 POWER 37"
12+50 BORE 15'o/s 115"
12+80 BORE 16'o/s 123"
13+07 SEWER MH
13+10 BORE 16'o/s 119"
13+40 BORE 18'o/s 125"
13+70 BORE 12'o/s 128"
14+00 BORE 16'o/s 132"
14+01 SEWER MH
14+14 WATER MH
14+30 BORE 18'o/s 135"
14+60 BORE 15'o/s 126"
14+91 STORM DRAIN 50"
14+98 POWER 39"
14+77 WATER 53"
WATER MH
14+83 WATER MH
14+90 BORE 15'o/s 129"
15+20 BORE 16'o/s 102"
END BORE 15+35 18'o/s 48"

NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL
SUB-MGE

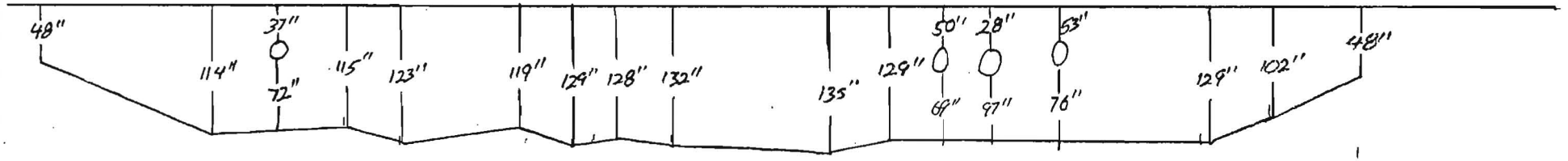
DUCT CONFIGURATION: 1-ORANGE 1 1/2", 1-BLUE 1 1/2" 1-BLACK 1 1/4"

INSPECTOR: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE: 9-00 | PROJECT: 4875 | DWG/ALIGNMENT SHEET #: SARC-82,83 | SPREAD #: 4A

POINT ARENA ← N → SACRAMENTO



BEGIN BORE 11+58 12'o/s 48"
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WATER MH
14+83 WATER MH
14+90 BORE 18'o/s 129"
15+20 BORE 16'o/s 102"
END BORE 15+35 12'o/s 48"

NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL
SUB-MGE

DUCT CONFIGURATION: 1-ORANGE 1 1/2", 1-BLUE 1 1/2"
1-BLACK 1 1/4"

INSPECTOR: ERIK BALLING

PAGE OF

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

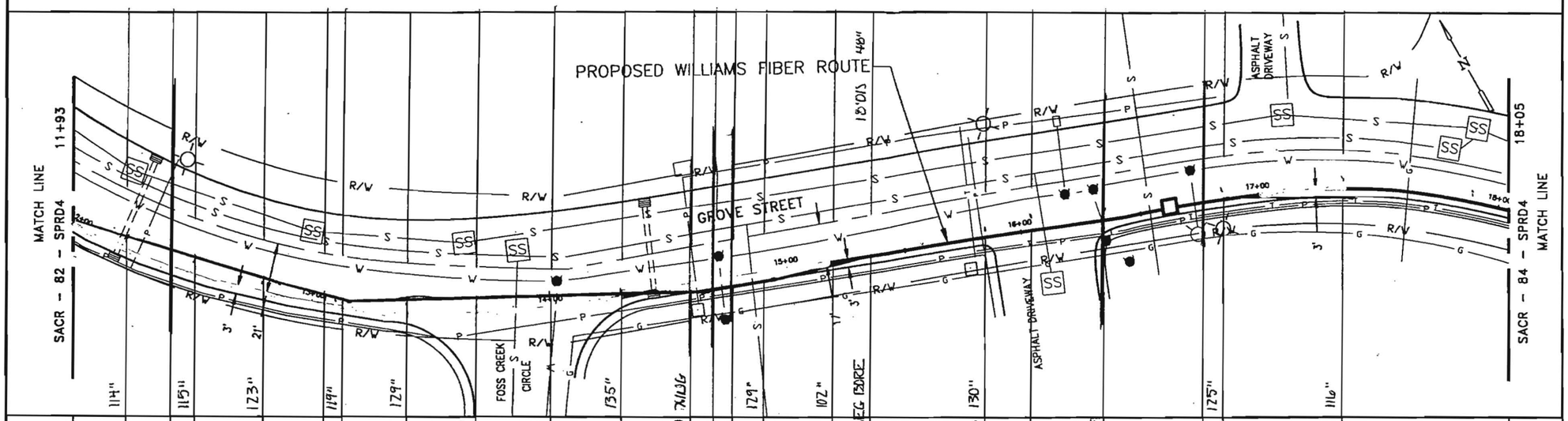
12+13 SEWER LINE
12+13 32' LT. SANITARY MH
13+84 SEWER LINE
13+86 CL FOSS CREEK CIR
13+87 30' LT. SANITARY MH
14+02 WATER LINE
14+03 9' LT. WATER VALVE
14+60 10' RT. GAS VALVE
14+71 16' RT. WATER VALVE
14+72 WATER LINE
15+39 STEEL PIPE
15+41 PLACE MANHOLE
15+45 STEEL PIPE
15+76 11' RT. GAS VALVE
16+07 CL DRIVEWAY
16+19 WATER LINE
16+19 12' LT. WATER VALVE
16+32 13' LT. WATER VALVE
16+33 WATER LINE
16+34 8' RT. WATER VALVE
16+42 18' RT. WATER VALVE
16+72 WATER LINE
16+73 14' LT. WATER VALVE
16+83 7' RT. LIGHT POLE
17+14 35' LT. SANITARY MH
17+85 33' LT. SANITARY MH

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



11+93																																	18+05
	16'DIS		15'DIS		16'DIS		18'DIS	18'DIS		17'DIS 128"	16'DIS 132"	18'DIS	STORM DRAIN	POWER LINE	WATER LINE	18'DIS	16'DIS	END PAVE / BEG BORE	17'DIS	9' DRIVE	WATER LINE	WATER LINE	15'DIS		19'DIS							
	12+20	ELEC LINE	12+40	12+45	12+80		13+10	13+40		13+70	14+00	14+30	14+81	14+87	14+77	14+90	15+20	15+35	15+85	16+05	16+30	16+77	16+85	17+35									
	114"		115"		123"	121"	119"	129"				135"	7X136			129"	102"		130"				125"		116"								

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

11+93		15+35
13+35		18+05
342'		270'
Z.11		Z.11
2-1.5" HDPE		2-1.5" HDPE
1-1.25" HDPE		1-1.25" HDPE
ERIK BALLING		ERIK BALLING
1_8_01		1_8_01
MGE		MGE

IN BLACK 1.25" HDPE
GEA TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

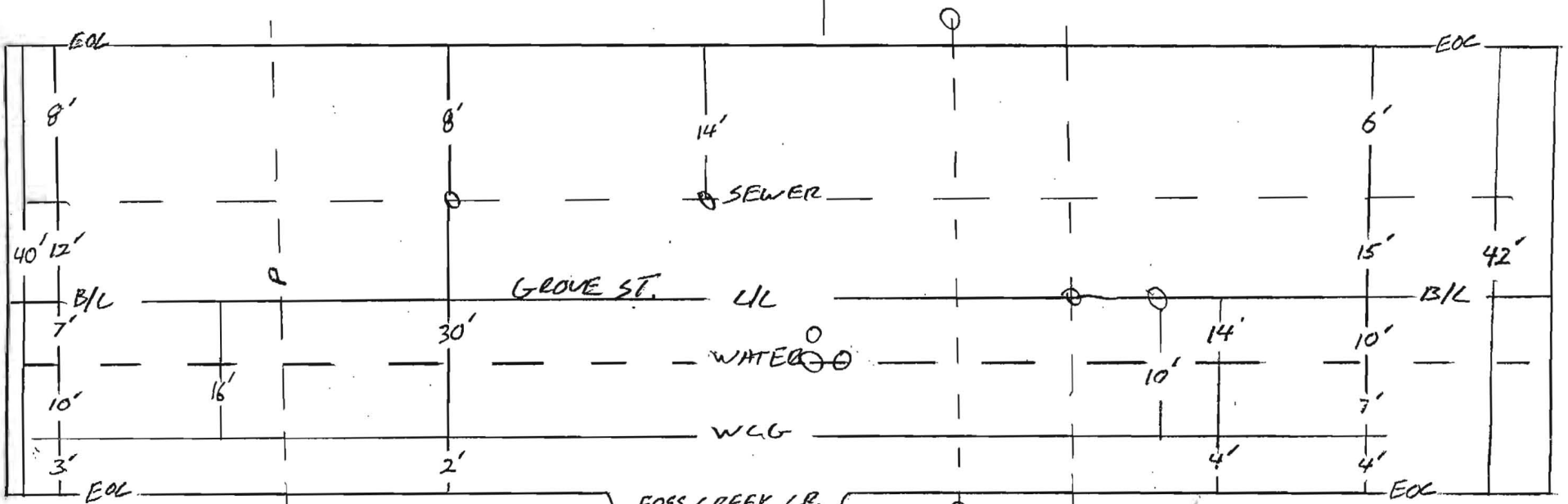
POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-83-SPRD4

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
7-8-00	4875	SARC-82, 83	4A

POINT ARENA ← N → SACRAMENTO



BEGIN BORE 11+58 17'o/s 48"
11+90 BORE 18'o/s 51"
11+93 MATCHLINE
12+20 BORE 16'o/s 114"
12+40 POWER 37"
12+50 BORE 15'o/s 115"
12+80 BORE 16'o/s 123"
13+07 SEWER MH
13+10 BORE 16'o/s 119"
13+40 BORE 18'o/s 126"
13+70 BORE 17'o/s 128"
14+00 BORE 16'o/s 132"
14+01 SEWER MH
14+14 WATER MH
14+30 BORE 16'o/s 135"
14+60 BORE 15'o/s 139"
14+81 STORM DRAIN 50"
14+88 POWER 28"
14+77 WATER 53"
WATER MH
14+83 WATER MH
14+90 BORE 18'o/s 129"
15+20 BORE 16'o/s 122"
END BORE 15+35 18'o/s 48"

NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL
SUB-MGE

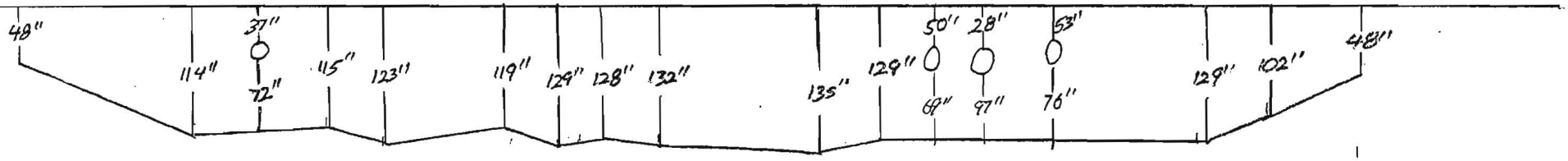
DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½"
1-BLACK 1¼"

INSPECTOR: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
11-9-00	4875	SARC-E2, E3	4A

POINT ARENA ← N → SACRAMENTO



BEGIN BORE 11+57 @ 17 o/s 48"
11+90 BORE 18 o/s 61"
11+93 MATCHLINE
12+20 BORE 16 o/s 114"
12+40 POWER 37"
12+50 BORE 15 o/s 115"
12+80 BORE 16 o/s 123"
13+07 SEWER MH
13+10 BORE 18 o/s 119"
13+40 BORE 18 o/s 129"
13+70 BORE 17 o/s 128"
14+00 BORE 16 o/s 132"
14+01 SEWER MH
14+14 WATER MH
14+30 BORE 18 o/s 135"
14+60 BORE 15 o/s 129"
14+61 STORM DRAIN 50"
14+68 POWER 28"
14+77 WATER 53"
WATER MH
14+83 WATER MH
14+90 BORE 18 o/s 129"
15+20 BORE 16 o/s 102"
END BORE 15+35 @ 18 o/s 48"

NOTES:

PAGE OF

COUNTY: SONOMA

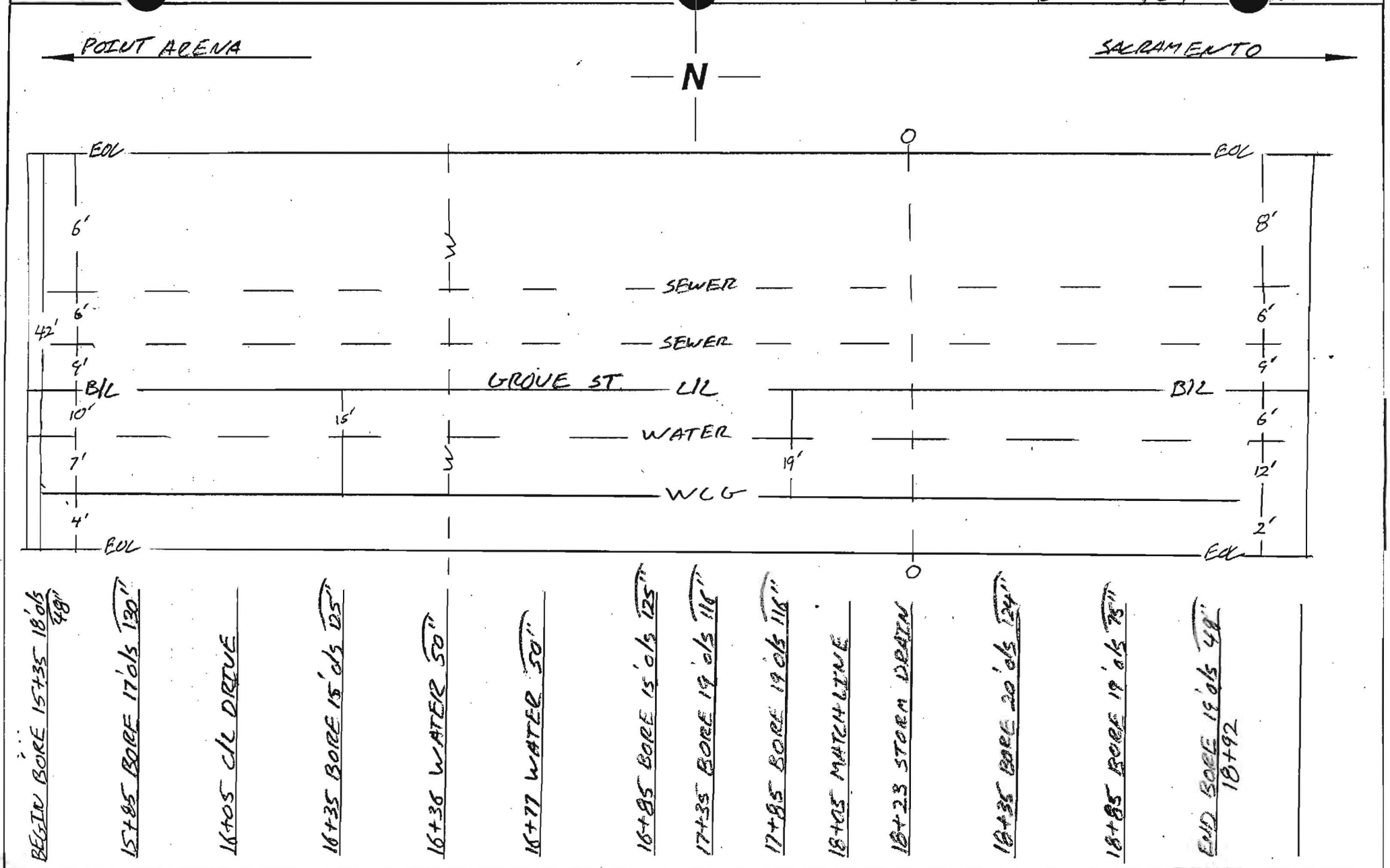
DUCT CONFIGURATION: 1-ORANGE 1 1/2", 1-BLUE 1 1/2" 1-BLACK 1 1/4"

CONTRACTOR: TIDWELL SUB-MGE

INSPECTOR: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE: 1-8-00	PROJECT: 4875	DWG/ALIGNMENT SHEET#: SARL 83, 84	SPREAD #: 4A

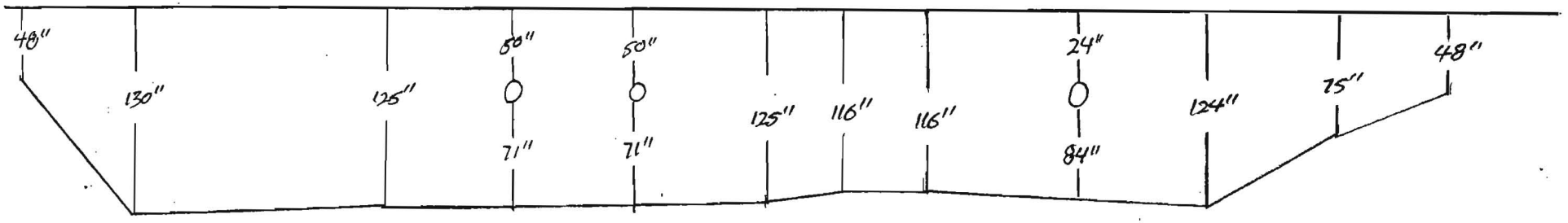


NOTES:	COUNTY: SONOMA	CONTRACTOR: TIDWELL SUB-MGF
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE: -8-00 | PROJECT: 4875 | DWG/ALIGNMENT SHEET: SARL83, 84 | SHEET: 4A

POINT ARENA ← N → SACRAMENTO



BEGIN BORE 15+35 18'ols 48"

15+85 BORE 17'ols 130"

16+05 C/L DRIVE

16+35 BORE 15'ols 125"

16+38 WATER 50"

16+77 WATER 50"

16+85 BORE 15'ols 125"

17+35 BORE 19'ols 116"

17+85 BORE 19'ols 116"

18+05 MATCHLINE

18+23 STORM DRAIN

18+35 BORE 20'ols 124"

18+85 BORE 19'ols 75"

END BORE 19'ols 48"

NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL SUB-MGF

DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"

INSPECTOR: ERIK BALLING

PAGE OF

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

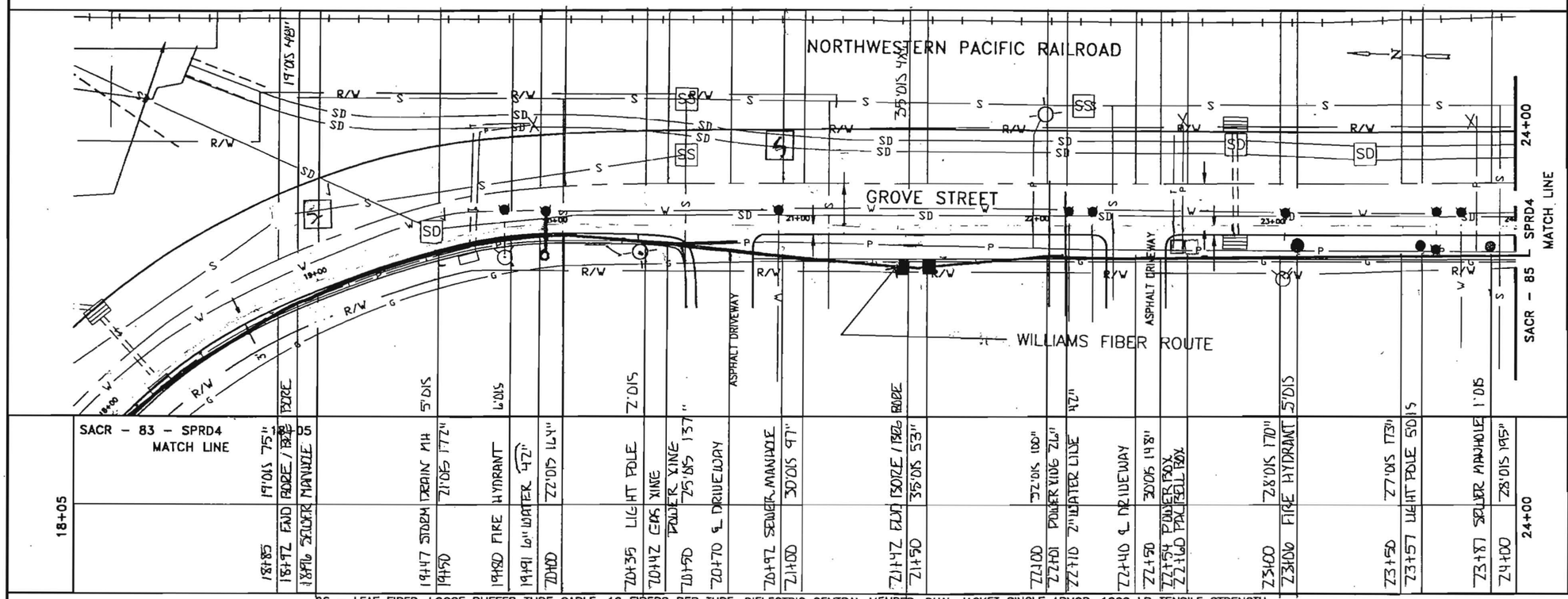
18+96 32' LT. SANITARY MH
19+79 WATER LINE
19+80 10' LT. WATER VALVE
19+95 WATER LINE
19+96 43' LT. POLE
19+98 7' LT. WATER VALVE
20+02 SEWER LINE
20+34 10' RT. LIGHT POLE
20+52 26' LT. SANITARY MH
20+67 SEWER LINE
20+68 49' LT. SANITARY MH
20+69 CL DRIVEWAY
20+91 6' LT. WATER VALVE
ERIK BALLING MANHOLE 7_1_01
ERIK BALLING MANHOLE 7_1_01
22+03 45' LT. LIGHT POLE
22+13 WATER LINE
22+13 6' LT. WATER VALVE
22+19 49' LT. SANITARY MH
22+23 WATER LINE
22+23 6' LT. WATER VALVE
22+41 CL DRIVEWAY
22+60 43' LT. POLE
22+82 33' LT. STORM MH
23+02 WATER LINE
23+02 8' RT. FIRE HYDRANT
23+03 6' LT. WATER VALVE
23+36 31' LT. STORM MH
23+66 WATER LINE
23+66 6' LT. WATER VALVE
23+66 6' RT. WATER VALVE
23+76 WATER LINE
23+76 6' LT. WATER VALVE
23+83 43' LT. POLE
23+83 BURIED CABLE
23+83 ELEC. XING
23+92 SEWER LINE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" HDPE BLACK 1-1.5" HDPE BLUE 1-1.5" HDPE ORANGE

18+05	18+92	Z1+42
18+92	Z1+42	Z4+00
87'	250'	258'
Z.11	Z.11	Z.11
Z-1.5" HDPE	Z-1.5" HDPE	Z-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
ERIK BALLING	ERIK BALLING	ERIK BALLING
1_8_01	1_31_01	1_31_01
MGE	MGE	MGE
	IN BLACK 1.25 HDPE	
	GGA TRACER WIRE	
	GLORIA TARSOR	
	7-9-01	

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
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LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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1-800-227-2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE DESCRIPTION	
CABLE FIBER COUNT MFG. TYPE OF GLASS	
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
PIPE & INNERDUCT PLACEMENT	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	
STEEL PIPE SIZE	
PVC	
FUTURE UNIT PLACE	
FUTURE-2	
FUTURE-3	
FUTURE-4	

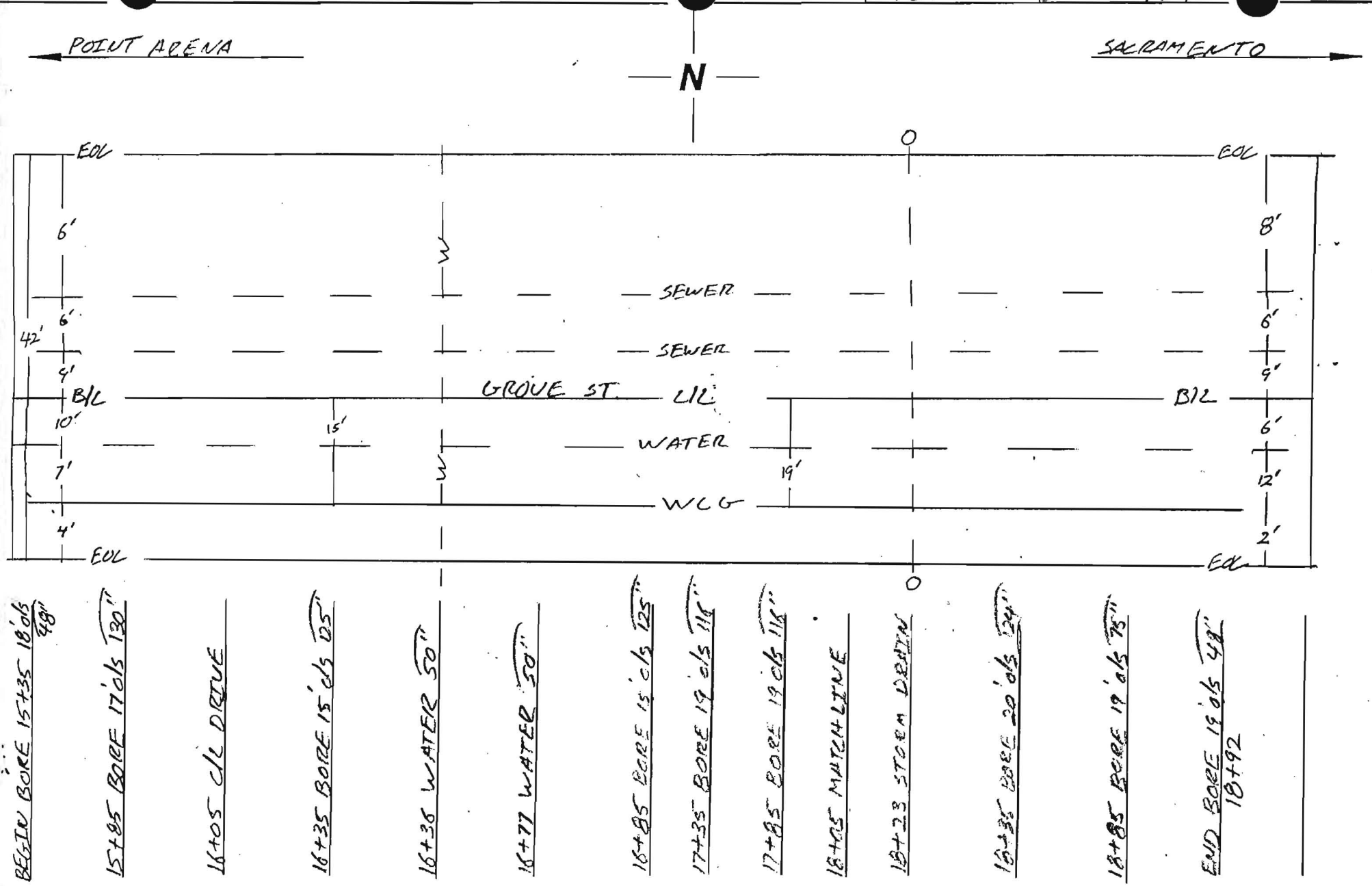
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-84-SPRD4

Williams CONSTRUCTION AS-BUILT DOCUMENTATIO

DATE: 1-8-00 | PROJECT: 4875 | DWG/ALIGNMENT SHEET #: SARL 83, 84 | SPREAD #: 4A



NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL
SUB-MGF

DUCT CONFIGURATION:
1-ORANGE 1½", 1-BLUE 1½"
1-BLACK 1¼"

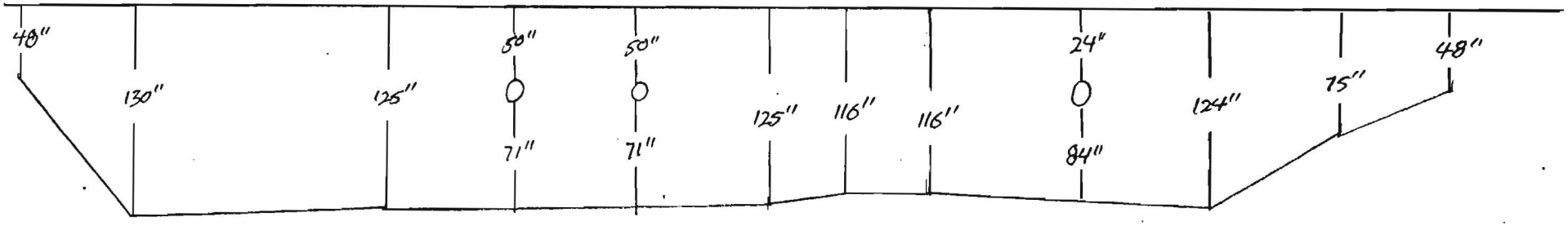
INSPECTOR:
ERIK BALLING

PAGE OF

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE: 8-00 | PROJECT: 4875 | SARL 83, 84 | 44

POINT ARENA ← N → SACRAMENTO



BEGIN BORE 15+35 18'0/S 48"

15+85 BORE 17'0/S 130"

16+05 C/L DRIVE

16+35 BORE 15'0/S 125"

16+36 WATER 50"

16+77 WATER 50"

16+85 BORE 15'0/S 125"

17+35 BORE 19'0/S 116"

17+85 BORE 19'0/S 116"

18+05 MATCHLINE

18+23 STORM DRAIN

18+35 BORE 20'0/S 124"

18+85 BORE 19'0/S 75"

END BORE 15'0/S 48"

NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL SUB-MGF

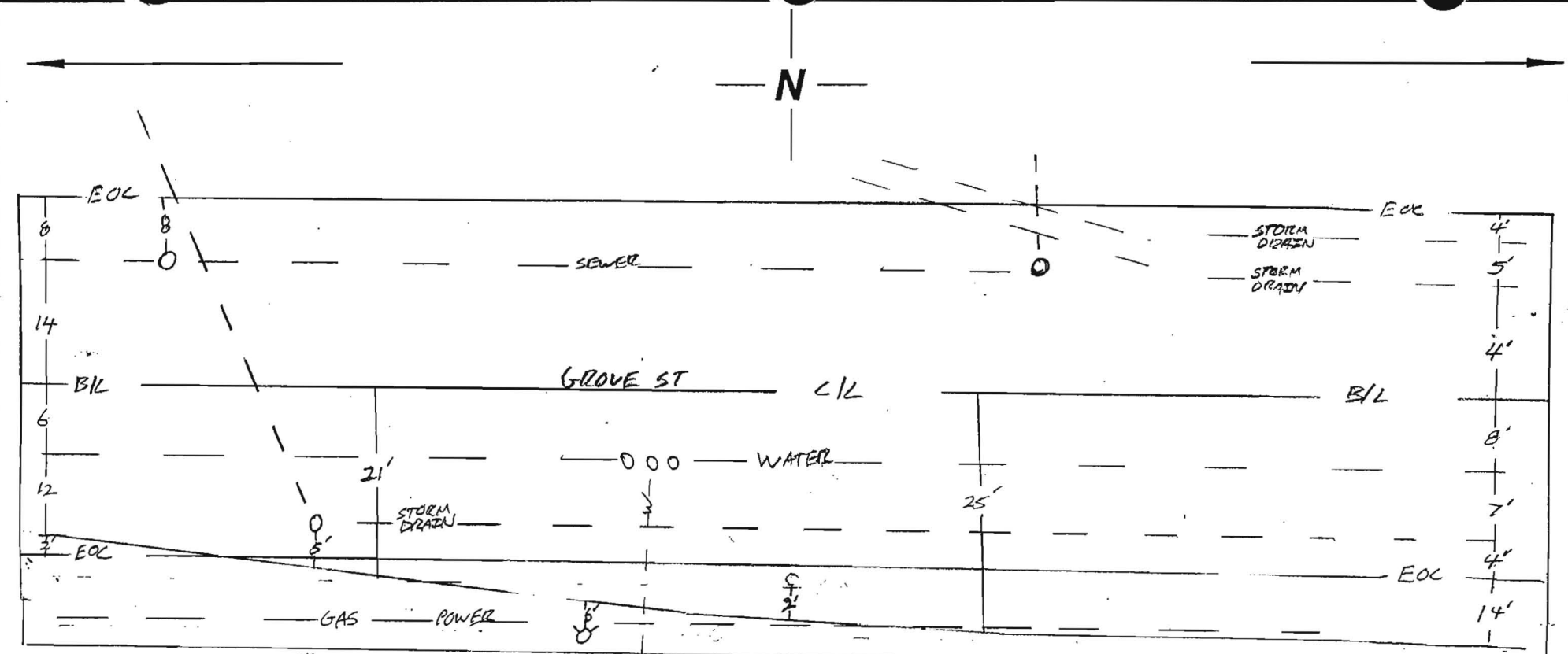
DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"

INSPECTOR: ERIK BALLING

PAGE OF

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE: 7-31-04	PROJECT: 4875	DWG/ALIGNMENT SHEET #: SADC 84	SPREAD #: 4



NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL
SUB - MGE

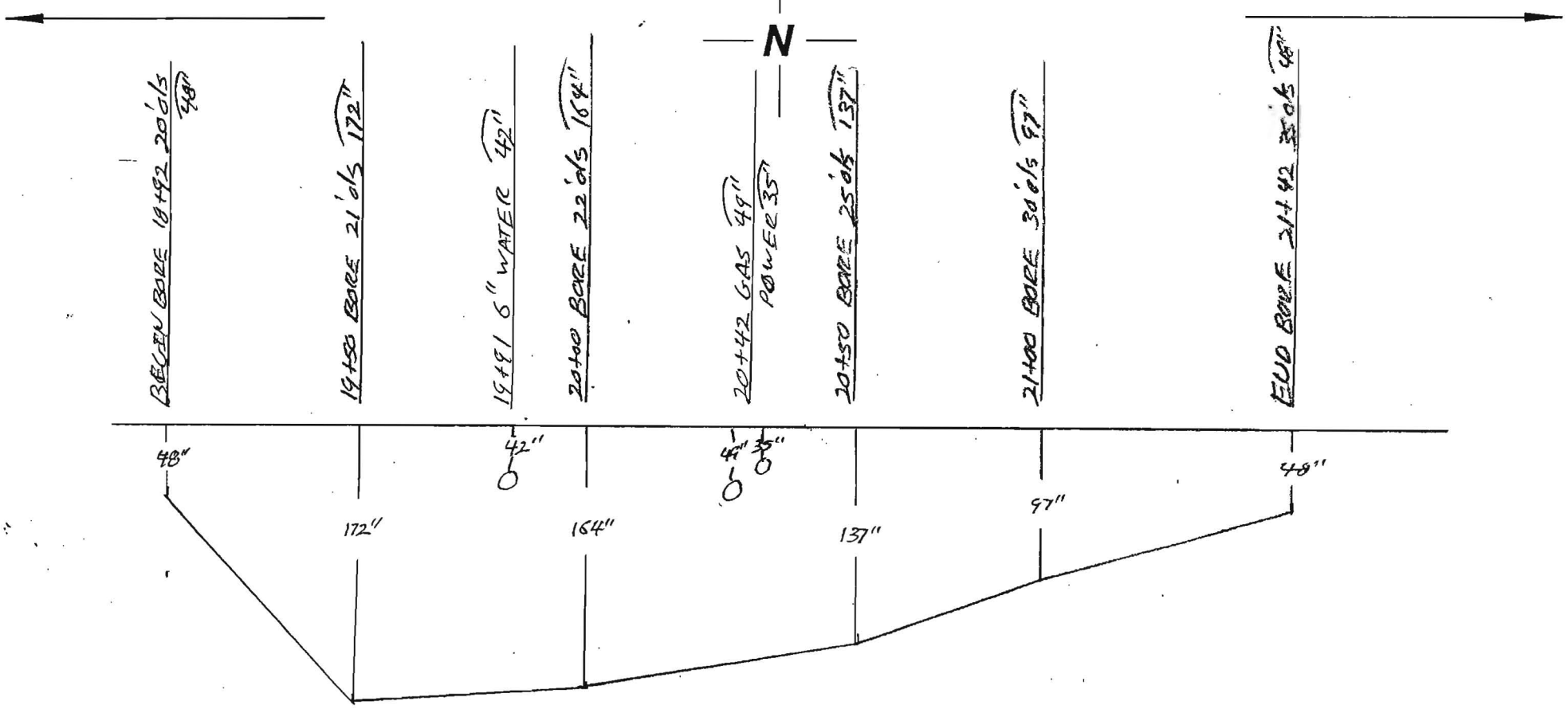
DUCT CONFIGURATION: 1-ORANGE 1 1/2", 1-BLUE 1 1/2"
1-BLACK 1 1/4"

INSPECTOR: ERIK BALLING

PAGE OF

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

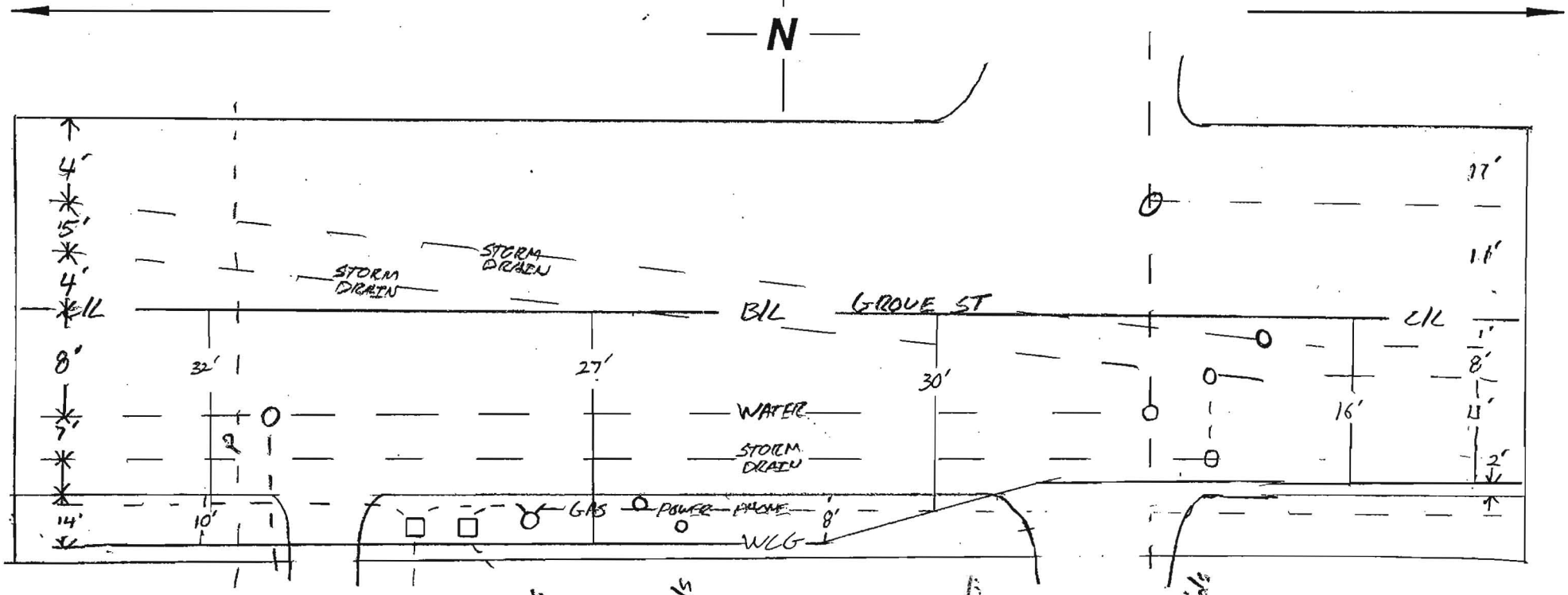
DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
7-31-01	4875	SAEL-84	1



NOTES:	COUNTY:	CONTRACTOR:
	DUCT CONFIGURATION:	INSPECTOR:
PAGE OF		

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
7-31-00	4875	SARC - 84, 85	



BEGIN BORE 21+42 35'o/s 48"
21+50 BORE 35'o/s 53"
22+00 BORE 32'o/s 100"
22+01 POWER 28"
22+10 2" WATER 42"
22+40 C/L DRIVEWAY
22+50 BORE 30'o/s 148"
22+54 POWER BOX
22+60 PACBELL BOX
23+00 BORE 28'o/s 170"
23+06 FIRE HYDRANT 5'o/s
23+50 BORE 21'o/s 173"
23+57 LIGHT POLE 5'o/s
23+87 SEWER HANDHOLE 1'o/s
24+00 BORE 28'o/s 185"
24+50 BORE 29'o/s 190"
25+00 BORE 30'o/s 190"
25+48 4" POWER 72"
25+50 BORE 30'o/s 185"
25+60 GAS 50" POWER 45"
26+00 BORE 35'o/s 230"
26+30 C/L VINE ST.
26+21 6" WATER 52"
26+45 STORM DRAIN MH 6'o/s
26+60 STORM DRAIN MH
END BORE 27+04 20'o/s 98"

NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL
SUB - MGE

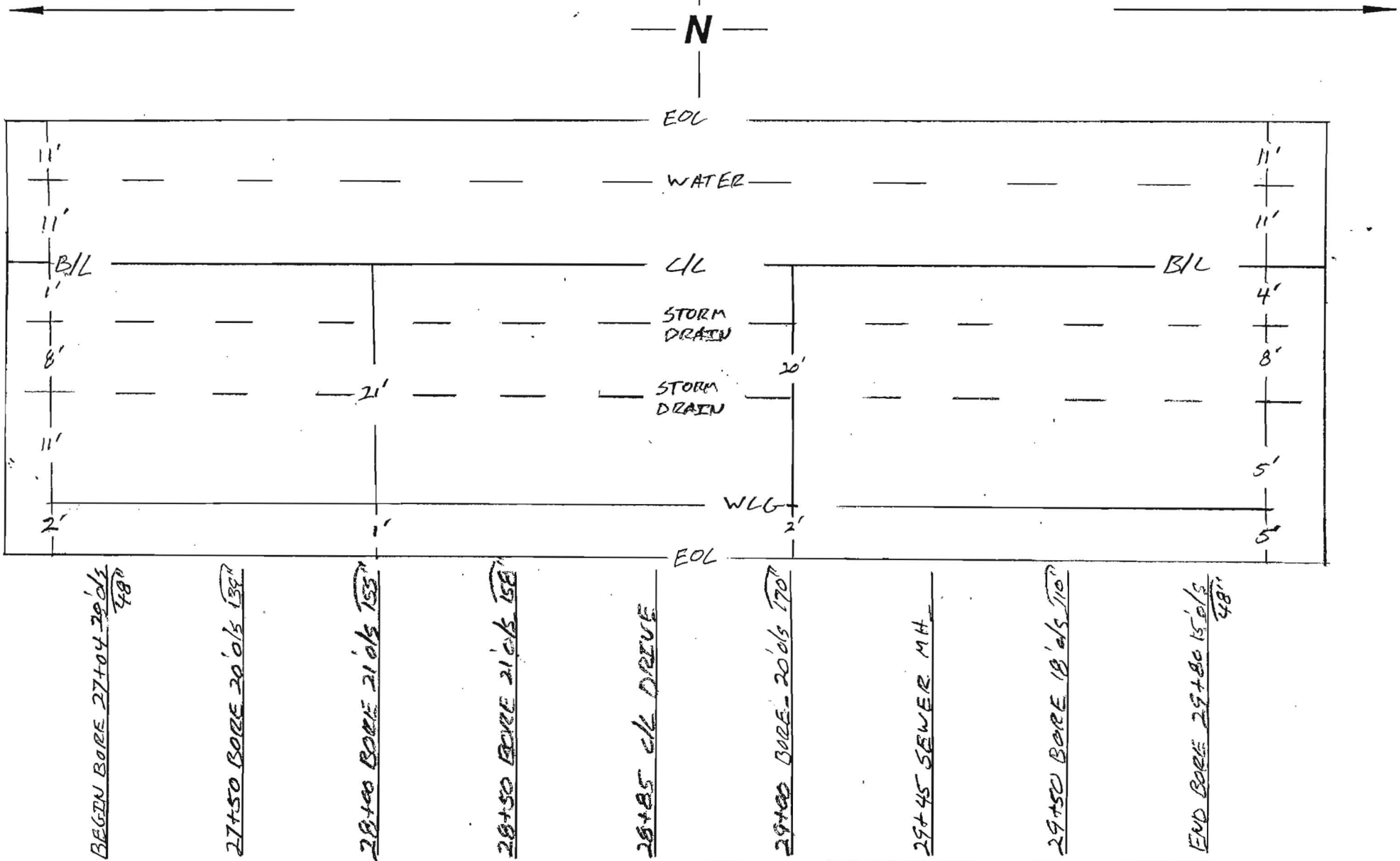
DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½"
1-BLACK 1¼"

INSPECTOR: ERIK BALLING

PAGE OF

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

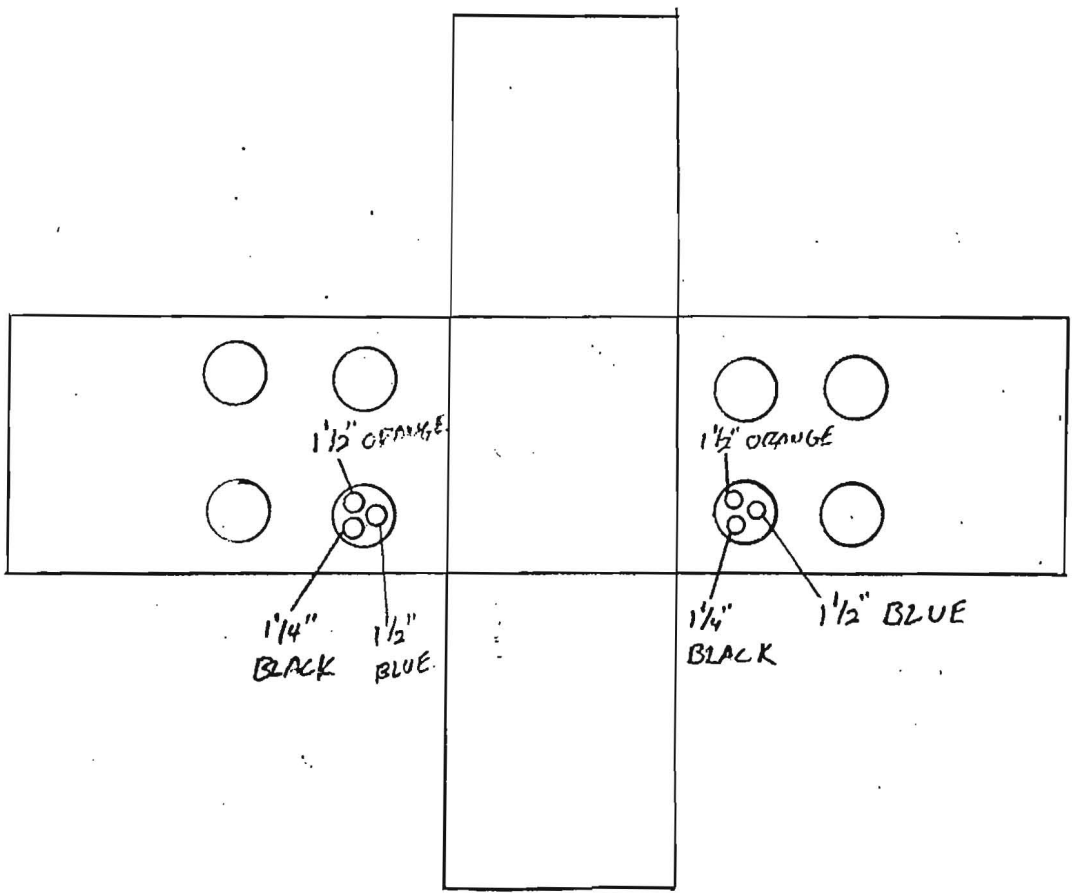
DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
7-31-01	4875	SARC-65	



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL SUB-MGE
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION | 8-1-01 | 4875 | SARC-84 | UA

POINT AREVA ← N → SACRAMENTO



21+40

NOTES: (4) MANHOLE IS LOCATED IN THE PLANTER 16" BELOW THE SURFACE

PAGE OF

COUNTY: SONOMA

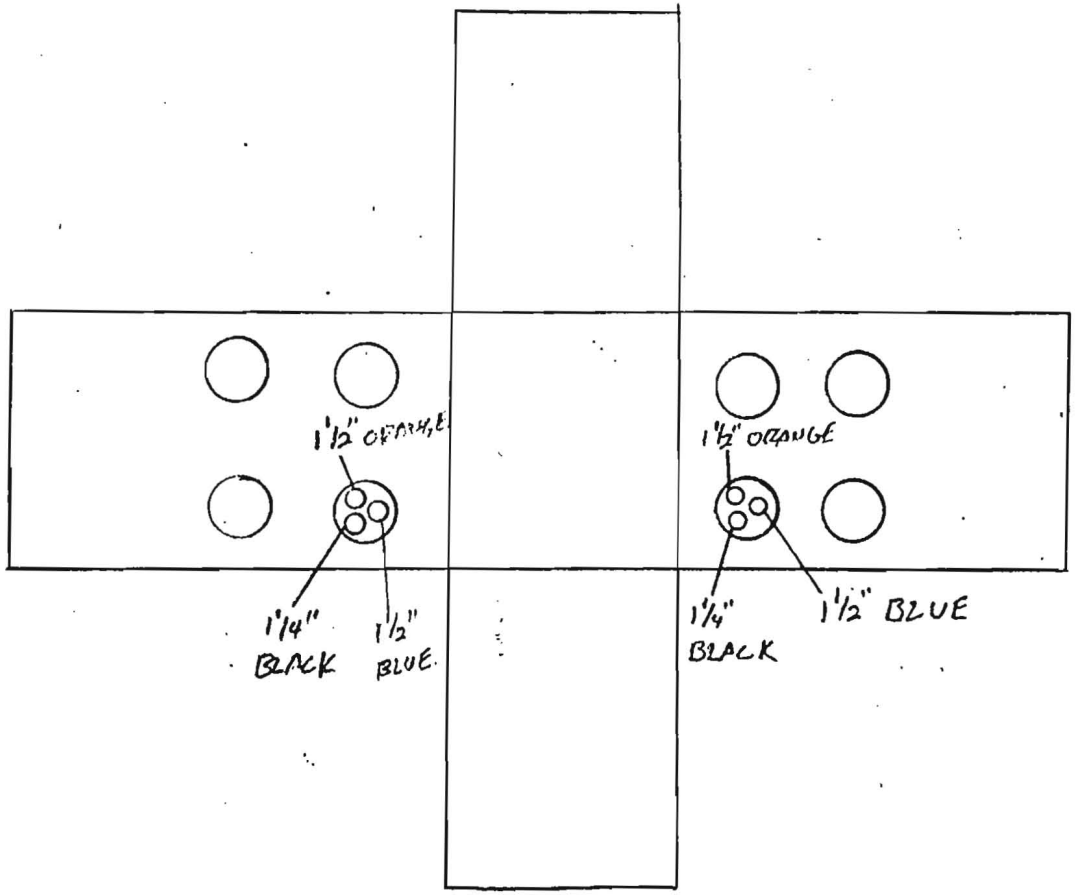
DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"

CONTRACTOR: TIDWELL SUB-MGE

INSPECTOR: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION | 2-1-01 | 4875 | SARC-84 | 4A

POINT ARENA ← N → SACRAMENTO



21+52

NOTES: MANHOLE IS LOCATED IN THE PLANTER 16" BELOW THE SURFACE

PAGE OF

COUNTY: SONOMA

DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"

CONTRACTOR: TIDWELL SUB-MGE

INSPECTOR: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

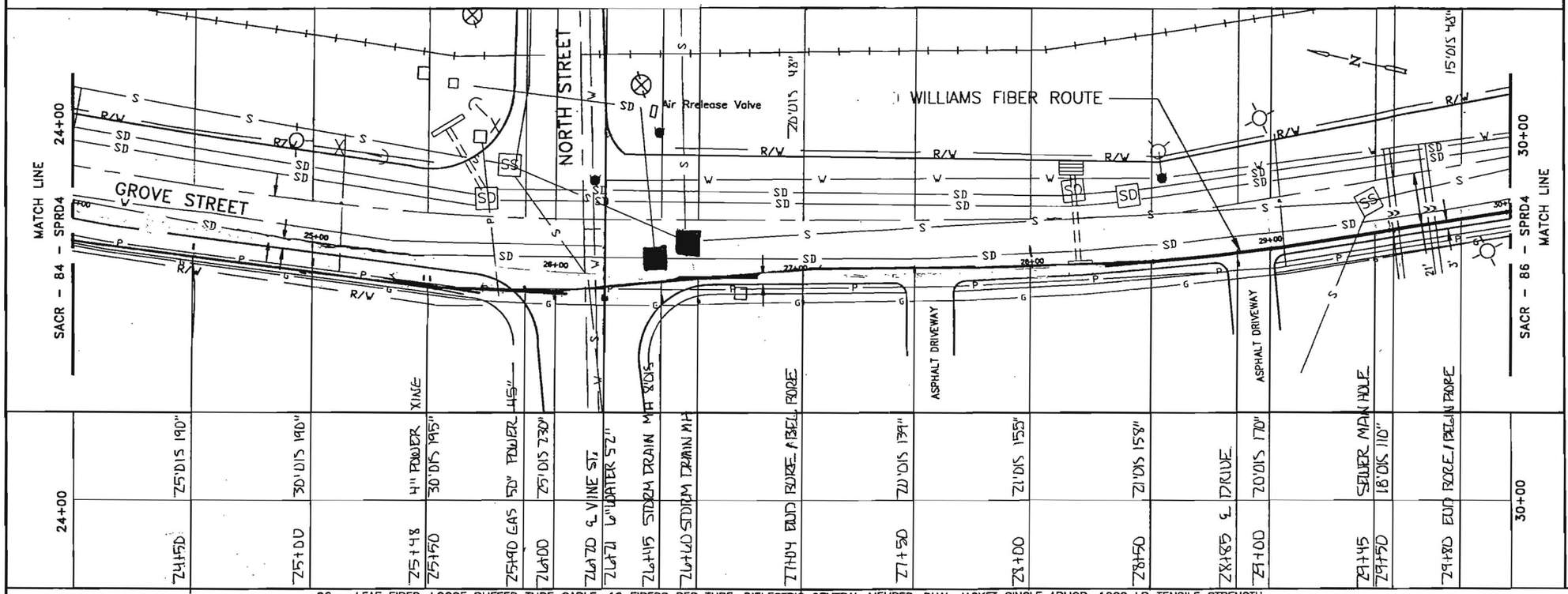
24+87 60' LT. LIGHT POLE
25+04 41' LT. POLE
25+10 BURIED CABLE
25+36 75' LT. RR BOX
25+37 STEEL PIPE
25+40 PLACE MANHOLE
25+43 WILLIAMS MH
25+44 STEEL PIPE
25+48 73' LT. RR BOX
25+54 48' LT. FENCE
25+62 52' LT. TRAFFIC BOX
25+69 58' LT. POLE
25+70 27' LT. STORM MH
25+80 36' LT. SANITARY MH
26+03 NORTH STREET
26+12 SEWER LINE
26+14 39' LT. WATER VALVE
26+16 WATER LINE
26+19 C/L NORTH STREET
26+33 78' LT. RR SIGNAL
26+40 7' LT. STORM MH
26+41 STORM DRAIN
26+41 58' LT. WATER VALVE
26+54 14' LT. SANITARY MH
26+76 6' RT. GAS VALVE
27+56 CL DRIVEWAY
28+28 25' LT. STORM MH
28+44 7' LT. STORM MH
28+56 33' LT. WATER VALVE
28+58 44' LT. FIRE HYDRANT
28+90 CL DRIVEWAY
29+43 11' LT. SANITARY MH

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



24+00																									30+00
	75'DIS 190"		30'DIS 190"		4" POWER	30'DIS 195"		52" POWER 45"		25'DIS 730"														
24+50		25+00		25+48	XING	25+50	25+90 GAS		26+00		26+20 6" WATER 52"	26+45 STORM DRAIN MH	26+60 STORM DRAIN MH	27+04 BWD BORE / BELL BORE		27+50		28+00		28+50		28+85 ℄ DRIVE		29+00		29+45		29+80 BWD BORE / BELLIN BORE	
																	72'DIS 139"		71'DIS 155"		71'DIS 158"			70'DIS 170"		SEWER MAN HOLE	18'DIS 110"		

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" HDPE BLACK 1-1.5" HDPE BLUE 1-1.5" HDPE ORANGE

24+00	27+04	29+80
27+04	29+80	30+00
304'	276'	70'
2.11	2.11	2.11
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
ERIK BALLING	ERIK BALLING	ERIK BALLING
1.31.01	1.31.01	1.31.01
MGE	MGE	MGE
	IN BLACK 1.25" HDPE	
	GSA. TRACER WIRE	
	GOBIA TA502	
	7-9-01	

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OB Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OB Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT WITH TYPE OF GLASS		CABLE DESCRIPTION
CABLE REEL NO.		
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH		
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)		PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE		
PVC		
FUTURE-2		FUTURE UNIT PLACE
FUTURE-3		
FUTURE-4		

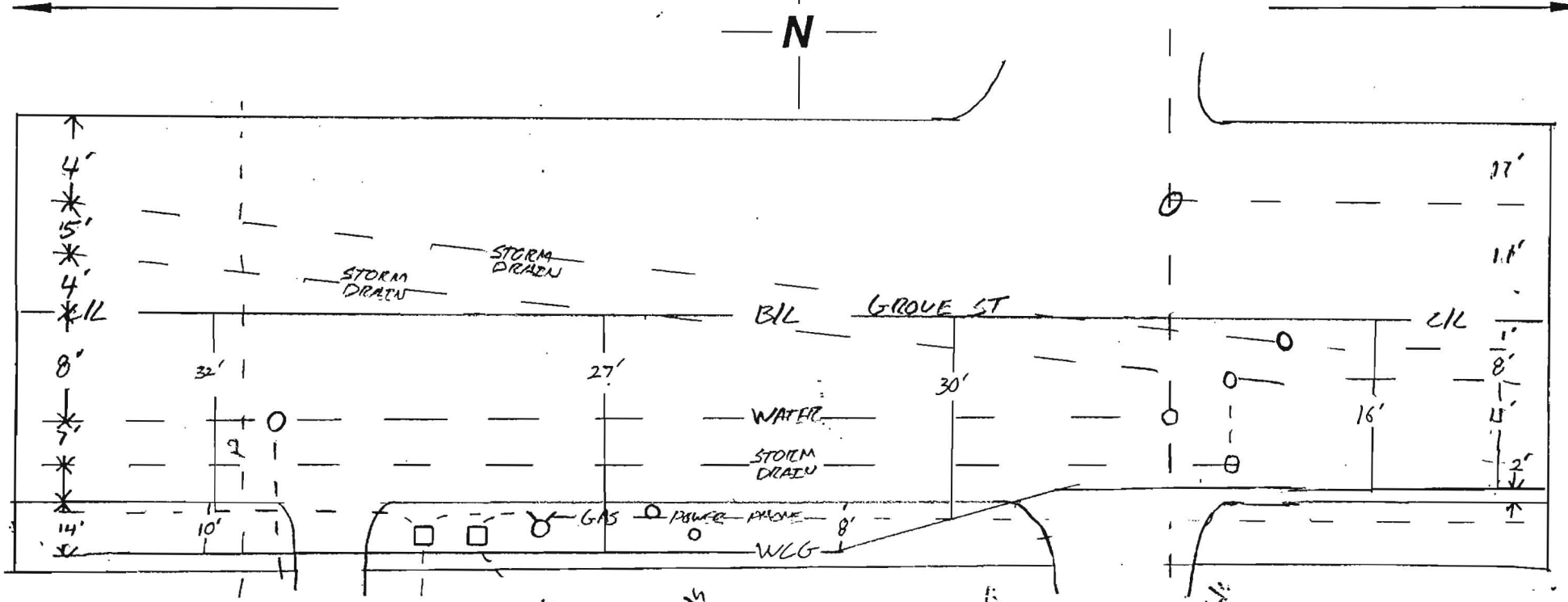
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-85-SPRD4

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
-31-00	4875	SARC - 84, 85	

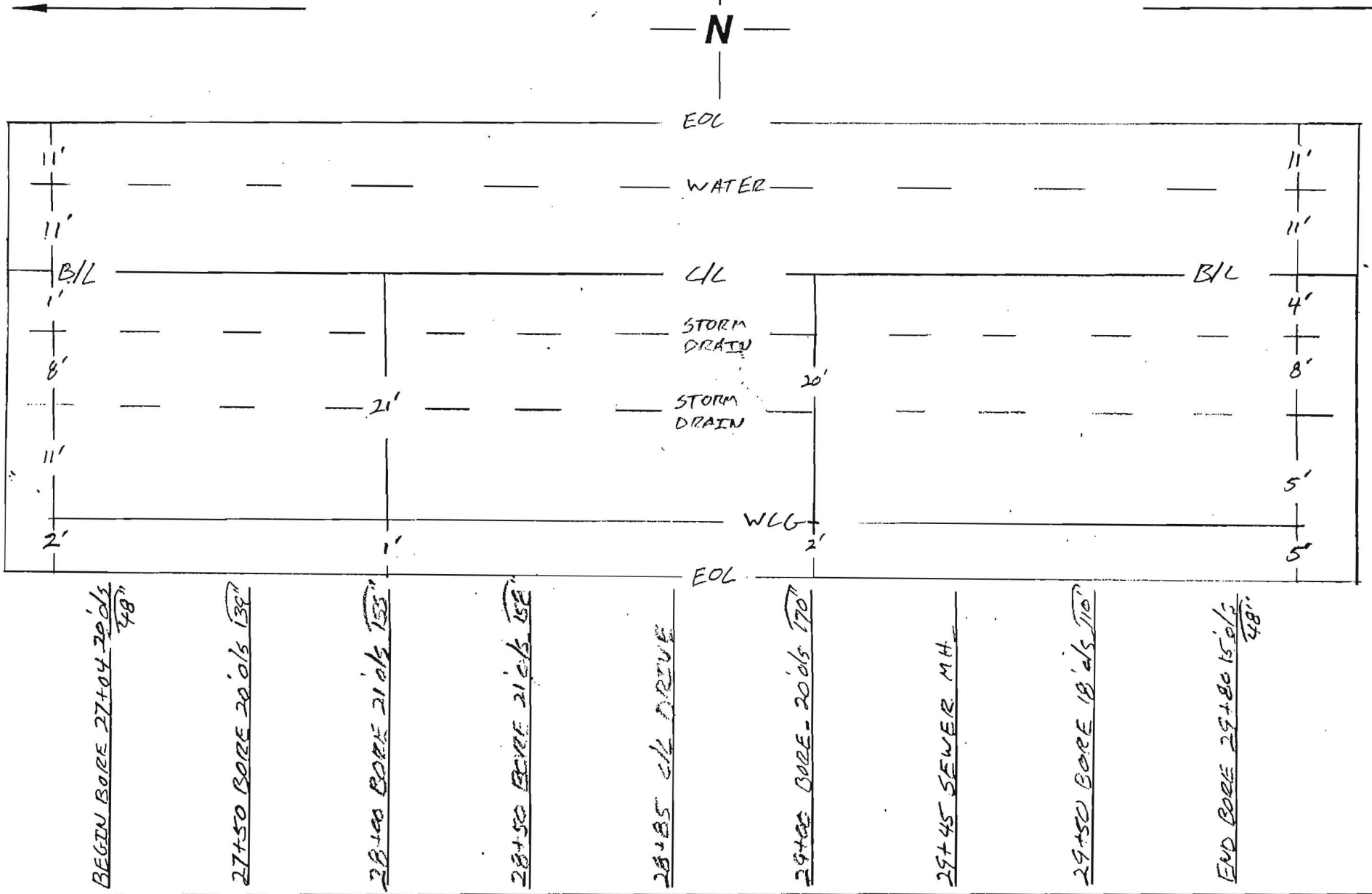


BEGIN BORE 21+42 35' o/s 48"
21+50 BORE 35' o/s 53"
22+00 BORE 32' o/s 100"
22+01 POWER 26"
22+10 2" WATER 42"
22+40 C/L DRIVEWAY
22+50 BORE 30' o/s 148"
22+54 POWER BOX
22+60 FACBELL BOX
23+00 BORE 28' o/s 170"
23+06 FIRE HYDRANT 5' o/s
23+50 BORE 27' o/s 173"
23+57 LIGHT POLE 5' o/s
23+87 SEWER HANDHOLE 1' o/s
24+00 BORE 28' o/s 195"
24+50 BORE 29' o/s 190"
25+00 BORE 30' o/s 190"
25+48 4" POWER 72"
25+50 BORE 30' o/s 195"
25+60 GAS 50" POWER 45"
26+00 BORE 25' o/s 230"
26+20 C/L VINE ST.
26+21 6" WATER 52"
26+45 STORM DRAIN MH 8' o/s
26+60 STORM DRAIN MH
END BORE 27+04 20' o/s 48"

NOTES:	COUNTY:	CONTRACTOR: TIDWELL
	SONOMA	SUB - MGE
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
7-31-01	4875	SARC-65	



NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL
SUB - MGE

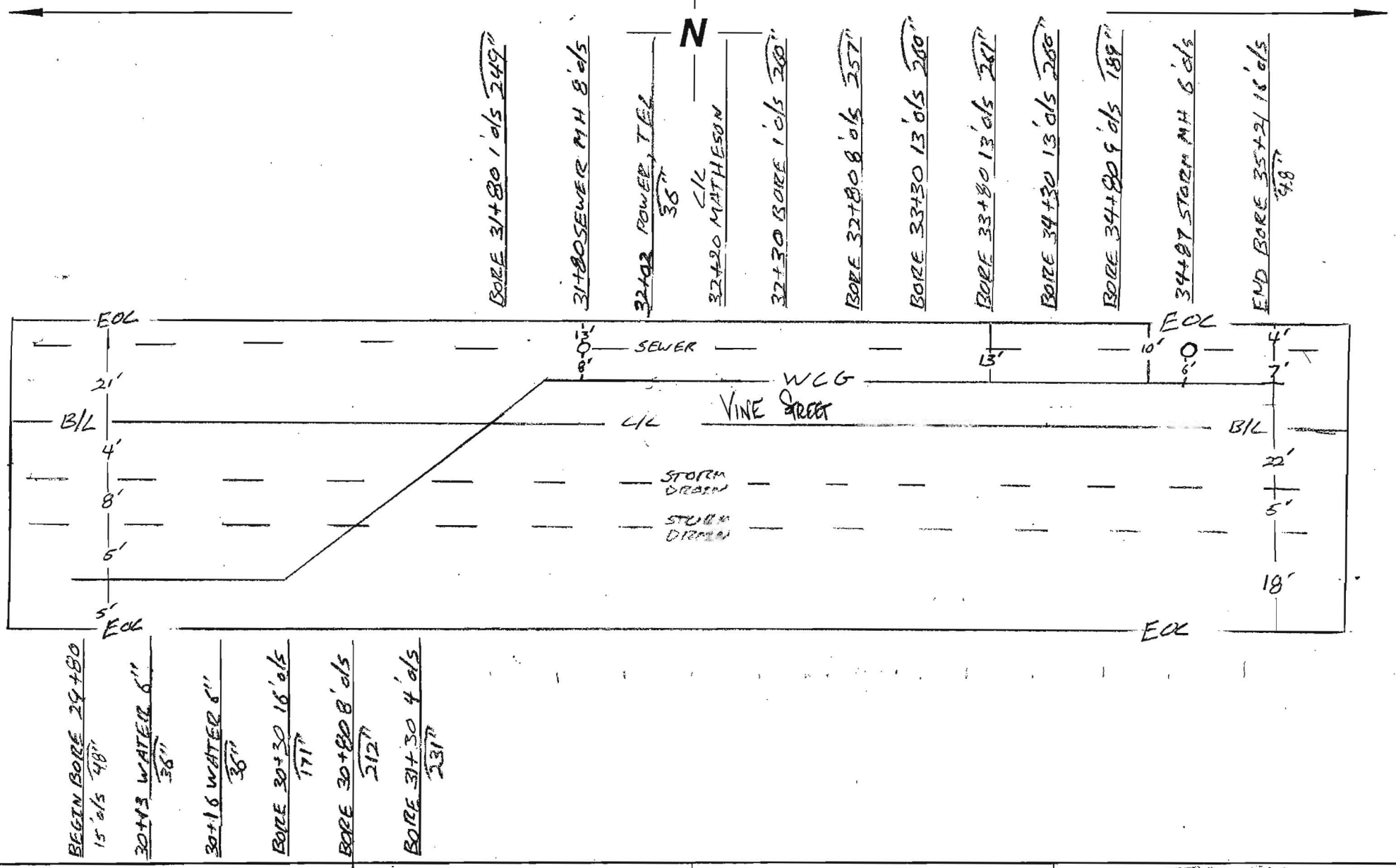
DUCT CONFIGURATION:
1-ORANGE 1½", 1-BLUE 1½"
1-BLACK 1¼"

INSPECTOR:
ERIK BALCING

PAGE OF

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

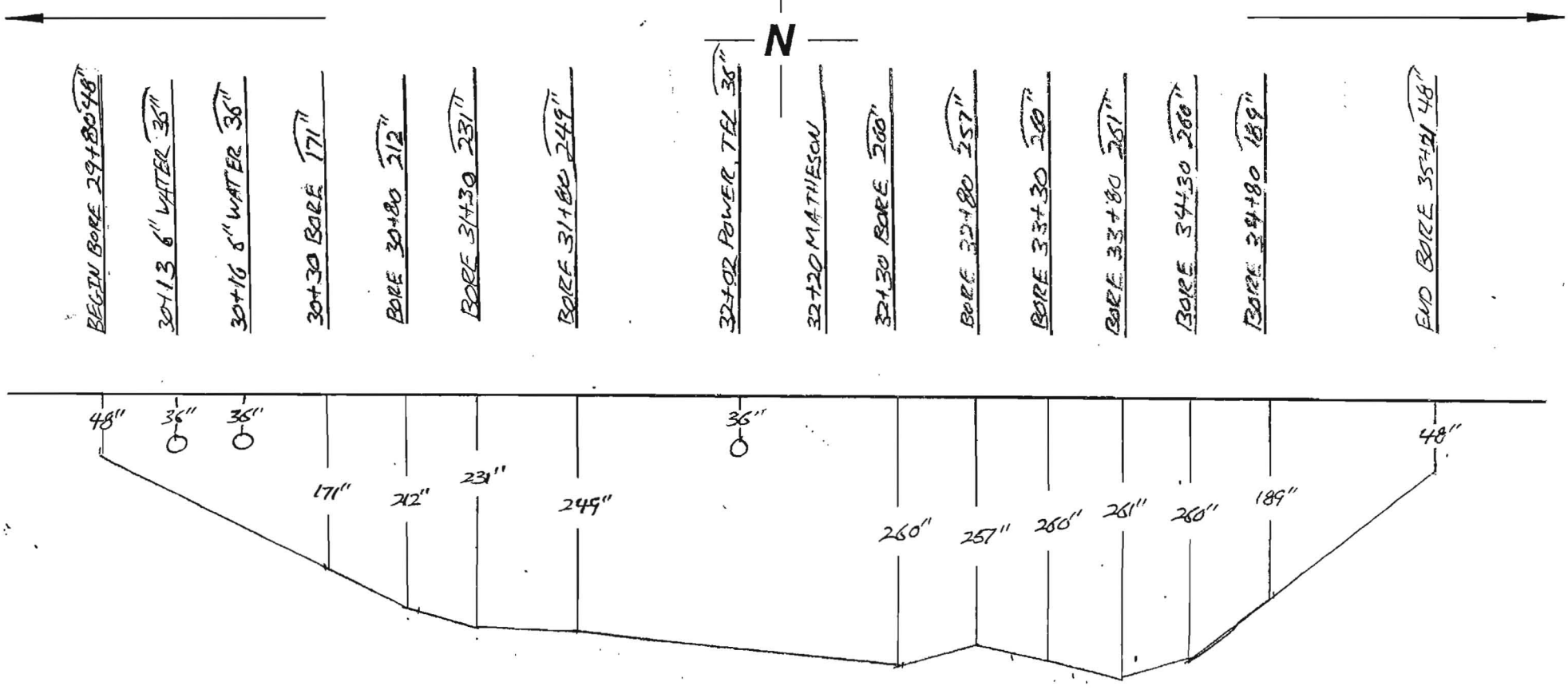
DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
-31-01	4875	SARL-85,86	4



NOTES:	COUNTY:	CONTRACTOR: TIDWELL
	SONOMA	SUB-MGE
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½, 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
1-31-01	4875	SARC - 85, 86	4



NOTES:	COUNTY:	CONTRACTOR: TIDWELL
	SONOMA	SUB-MGE
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1"½", 1-BLUE 1"½" 1-BLACK 1"¼"	INSPECTOR: ERIK BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

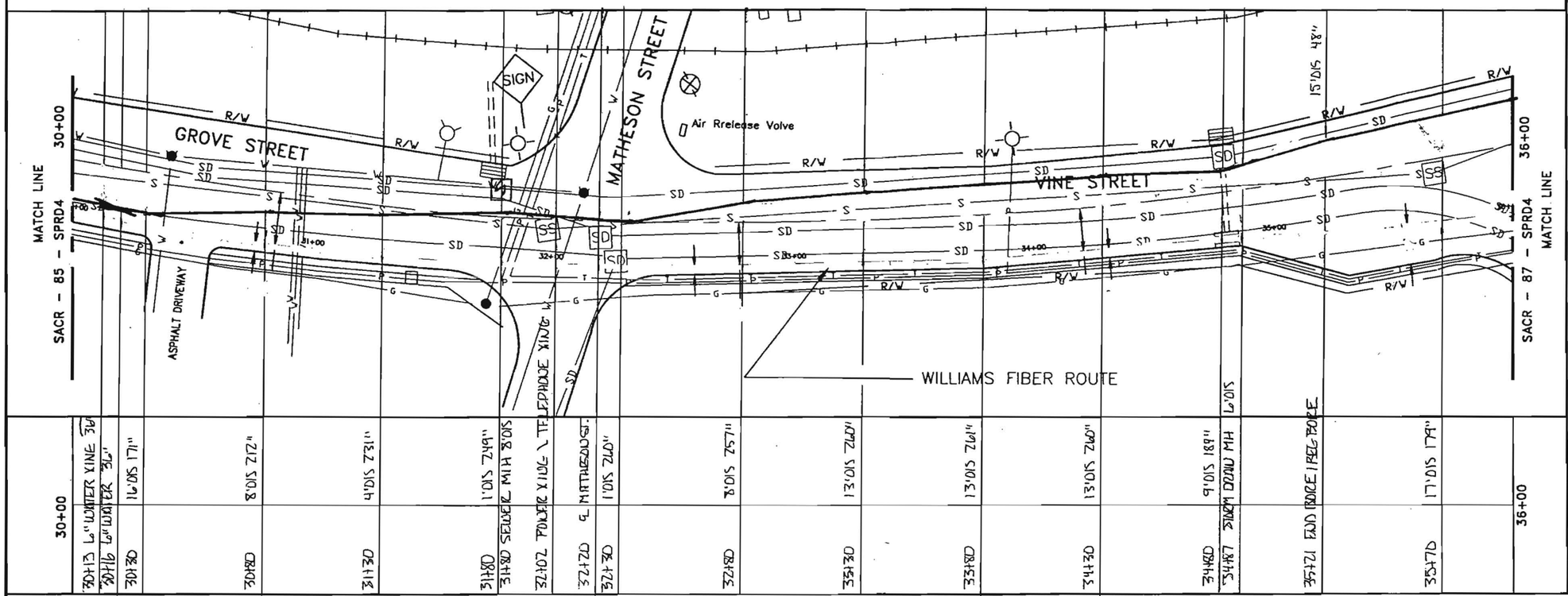
30+36 30' LT. WATER VALVE
30+37 WATER LINE
30+45 CL DRIVEWAY
31+43 7' RT. GAS VALVE
31+73 16' RT. GAS VALVE
31+78 GAS LINE
31+95 10' LT. SANITARY MH
32+03 WATER LINE
32+10 C/L MATHESON STREET
32+12 30' LT. WATER VALVE
32+25 STORM DRAIN
32+26 4' LT. STORM MH
32+58 74' LT. RR SIGNAL
34+81 34' LT. STORM MH
35+69 15' LT. SANITARY MH

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



30+00	30+13 6" WATER XING 36"	30+16 6" WATER 36"	30+30	30+80	31+30	31+80	31+80 SEWER MH 8'0/S	32+02 POWER XING \ TELEPHONE XING	32+20 ℄ MATHESON ST.	32+30	32+80	33+30	33+80	34+30	34+60	34+67 STORM DRAIN MH	35+21 FWD BORE / REC BORE	35+47	36+00
		16'0/S 17"	8'0/S 2.12"	4'0/S 7.31"	1'0/S 7.49"					1'0/S 7.60"	8'0/S 7.57"	13'0/S 7.60"	13'0/S 7.61"	13'0/S 7.60"	9'0/S 1.89"			17'0/S 1.79"	

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" HDPE BLACK 1-1.5" HDPE BLUE 1-1.5" HDPE ORANGE

30+80	35+21
35+21	36+00
521'	79'
2.11	2.11
2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE
ERIK BALLIDE	ERIK BALLIDE
1.31.01	7.01.01
MGE	MGE

IN BLACK 1.25" HDPE
GGA TRACER WIRE

EVDEMATA8612
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
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6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OR Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE DESCRIPTION	
CABLE FIBER COUNT MFR. TYPE OF GLASS	
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
PIPE & INNERDUCT PLACEMENT	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	
STEEL PIPE SIZE	
PVC	
FUTURE UNIT PLACE	
FUTURE-2	
FUTURE-3	
FUTURE-4	

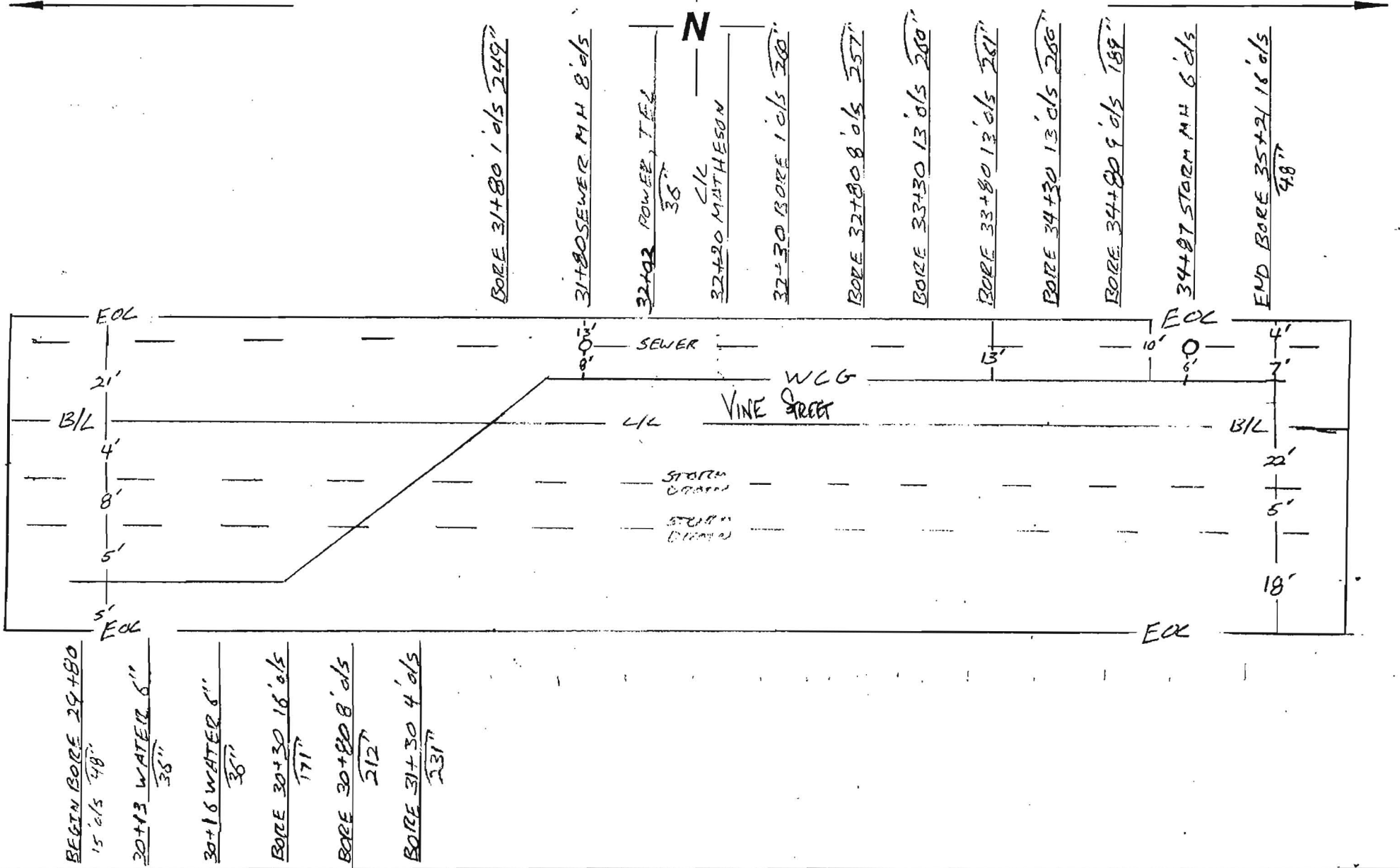
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-86-SPRD4

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

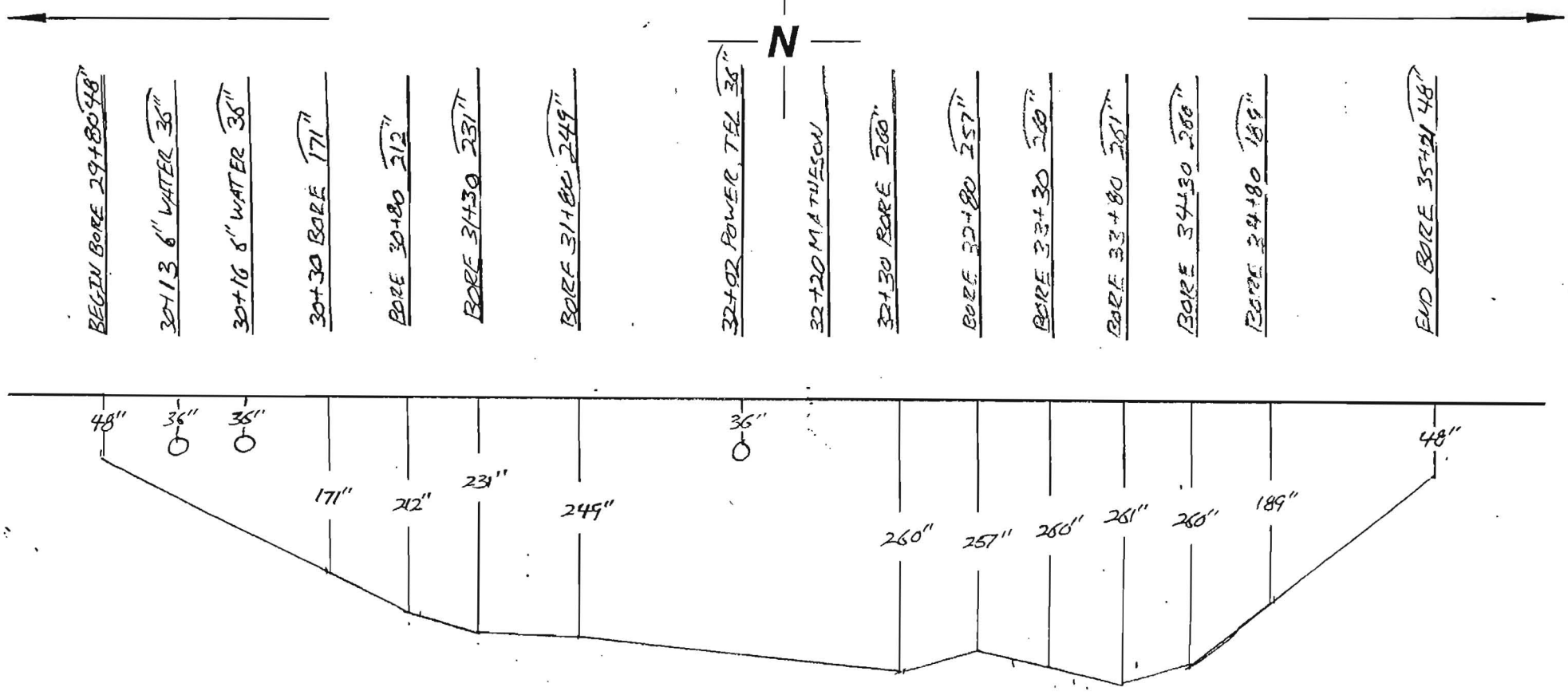
DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
-31-01	4875	SAME - 85, 86	4



NOTES:	COUNTY:	CONTRACTOR: TIDWELL
	SONOMA	SUB-MGE
	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING
PAGE OF		

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

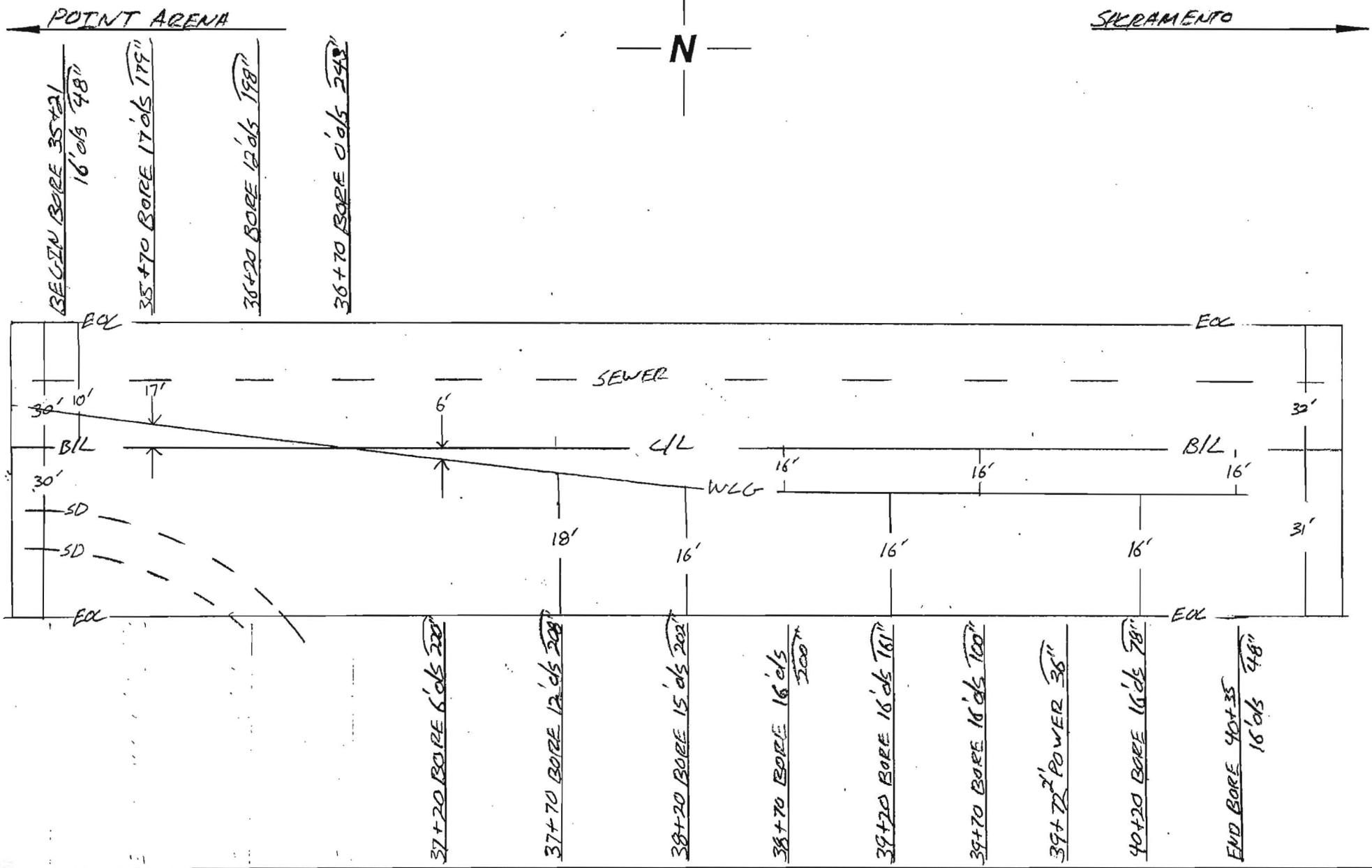
DATE: 31-01	PROJECT: 4875	DWG/ALIGNMENT SHEET #: SARC - 85, 86	SPREAD #: 4



NOTES:	COUNTY: SONOMA	CONTRACTOR: TIDWELL SUB-MGE
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
-1-01	4875	SARC-86,87	A



NOTES:

COUNTY: SONOMA

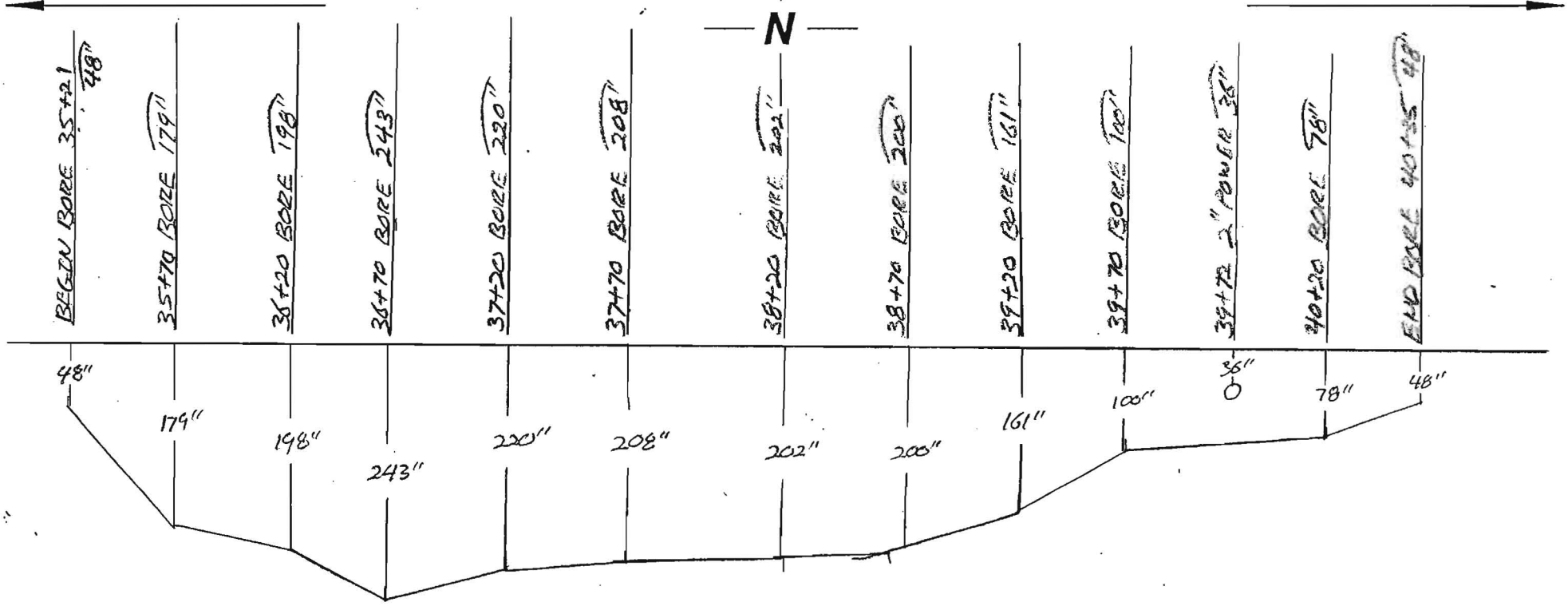
CONTRACTOR: TIDEWELL SUB-MGE

DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"

INSPECTOR: ERIK BALLING

PAGE OF

Williams CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 2-1-01	PROJECT: 4875	DWG/ALIGNMENT SHEET#: SARC - 86, 87	SPREAD #: 4



NOTES:	COUNTY:	CONTRACTOR:
	DUCT CONFIGURATION:	INSPECTOR: ERIK BALING
PAGE OF		

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

36+23 CL DRIVEWAY

38+96 CL DRIVEWAY

40+35 WILLIAMS MH
40+36 STEEL PIPE
40+40 PLACE MANHOLE
40+43 STEEL PIPE
41+81 MANHOLE 3-17-01

40+75 27' LT. SANITARY MH
40+84 98' LT. SIGNAL LIGHT
40+91 32' LT. SANITARY MH
41+02 51' LT. WATER VALVE
41+09 53' LT. SIGNAL LIGHT
41+14 7' RT. TRAFFIC BOX
41+16 74' LT. SIGNAL LIGHT
41+19 65' LT. SIGNAL LIGHT
41+33 84' LT. SIGNAL LIGHT
41+35 92' LT. POLE

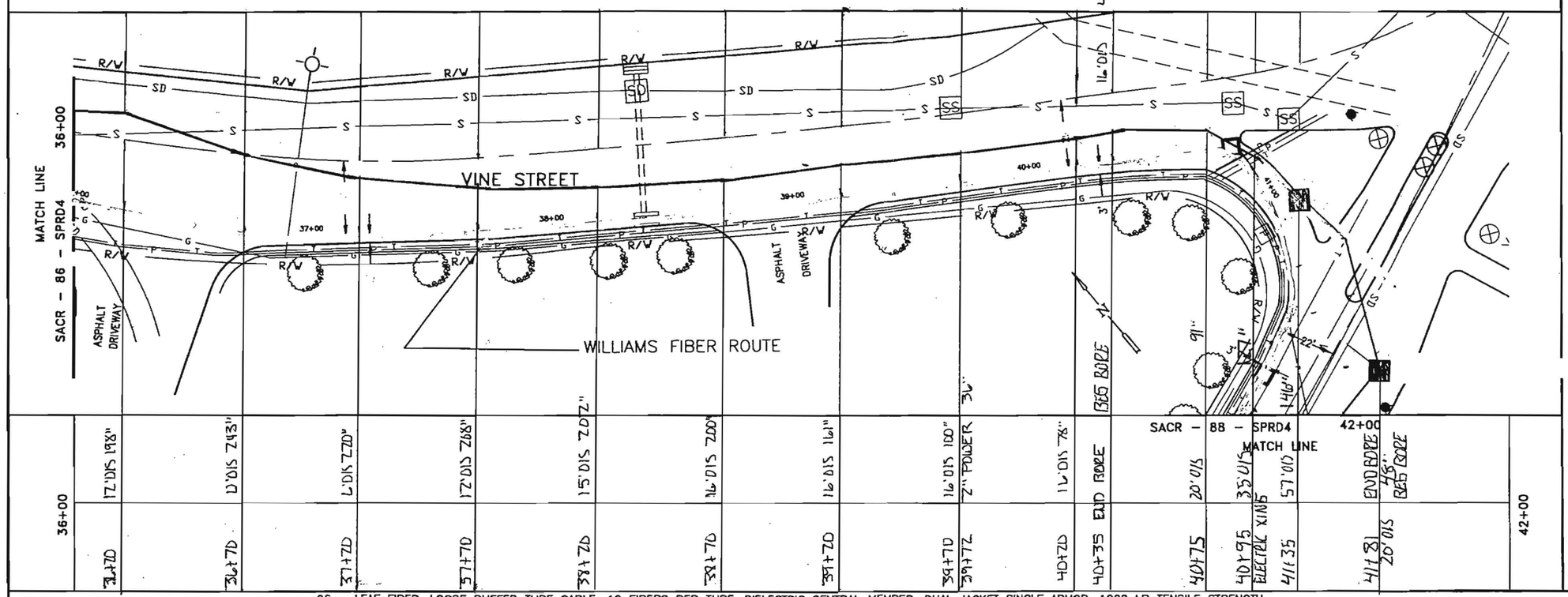
41+72 51' LT. WATER VALVE
41+78 STEEL PIPE
41+81 PLACE MANHOLE
41+81 WILLIAMS MH
41+84 STEEL PIPE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" HDPE BLACK | 1-1.5" HDPE BLACK | 1-1.5" HDPE ORANGE

36+00	40+35	41+80
40+35	41+80	42+00
435'	195'	20'
2.N 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 2.1.01 MLGE	BORE 2-1.5" HDPE 1-1.25" HDPE JEFF MCKOY 2-20-01 MLGE IN BLACK 1.25 HDPE	ROPE 2-1.5" HDPE 1-1.25" HDPE JEFF MCKOY 3-12-01 TIDWELL
	GSA. TRACER WIRE GLORIA TABOR 7-9-01	

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Wig Wag
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

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1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

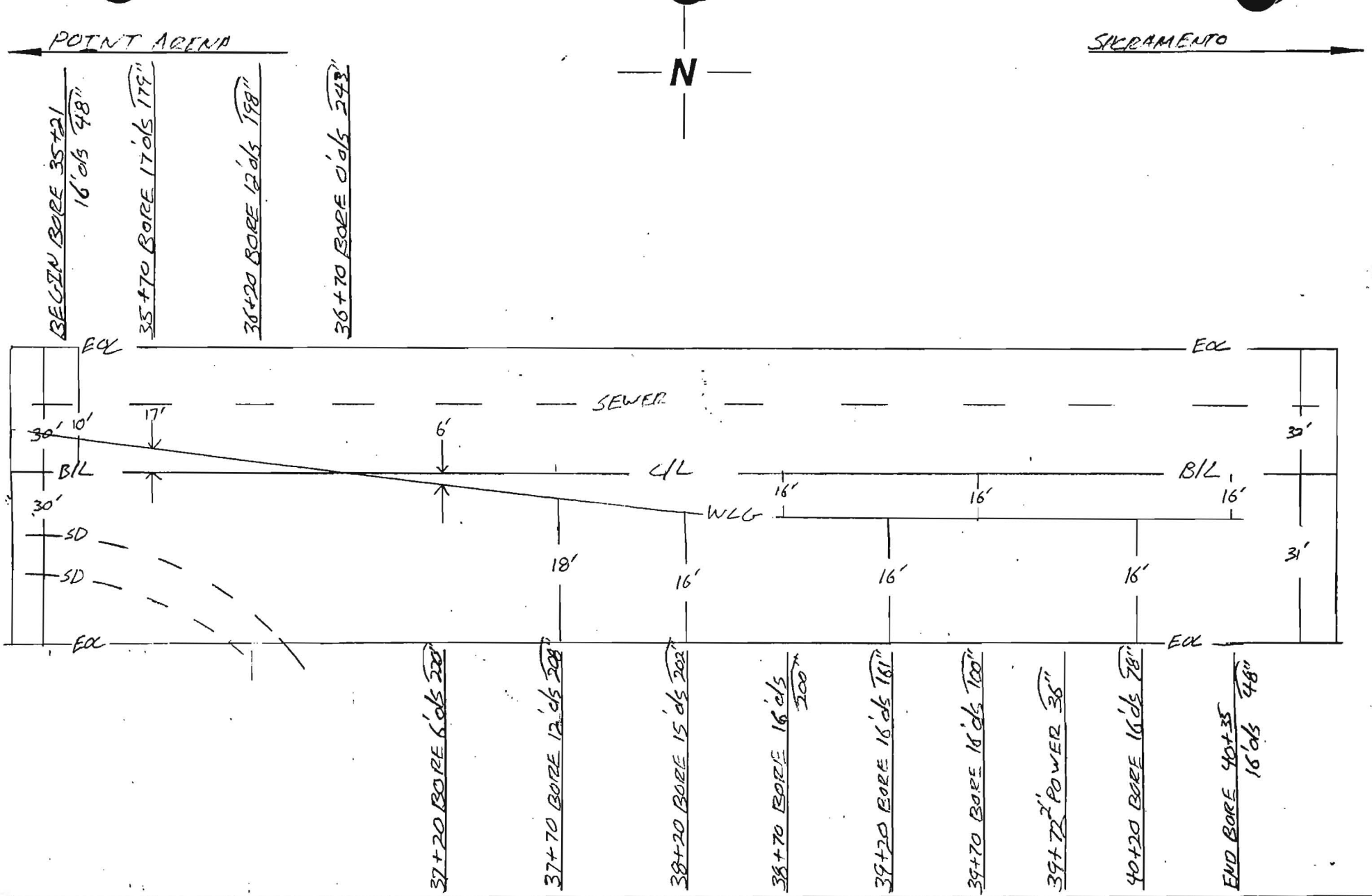
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-87-SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATIO'**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
1-1-01	4875	SARC -86, 87	4



NOTES:

PAGE OF

COUNTY: SONOMA

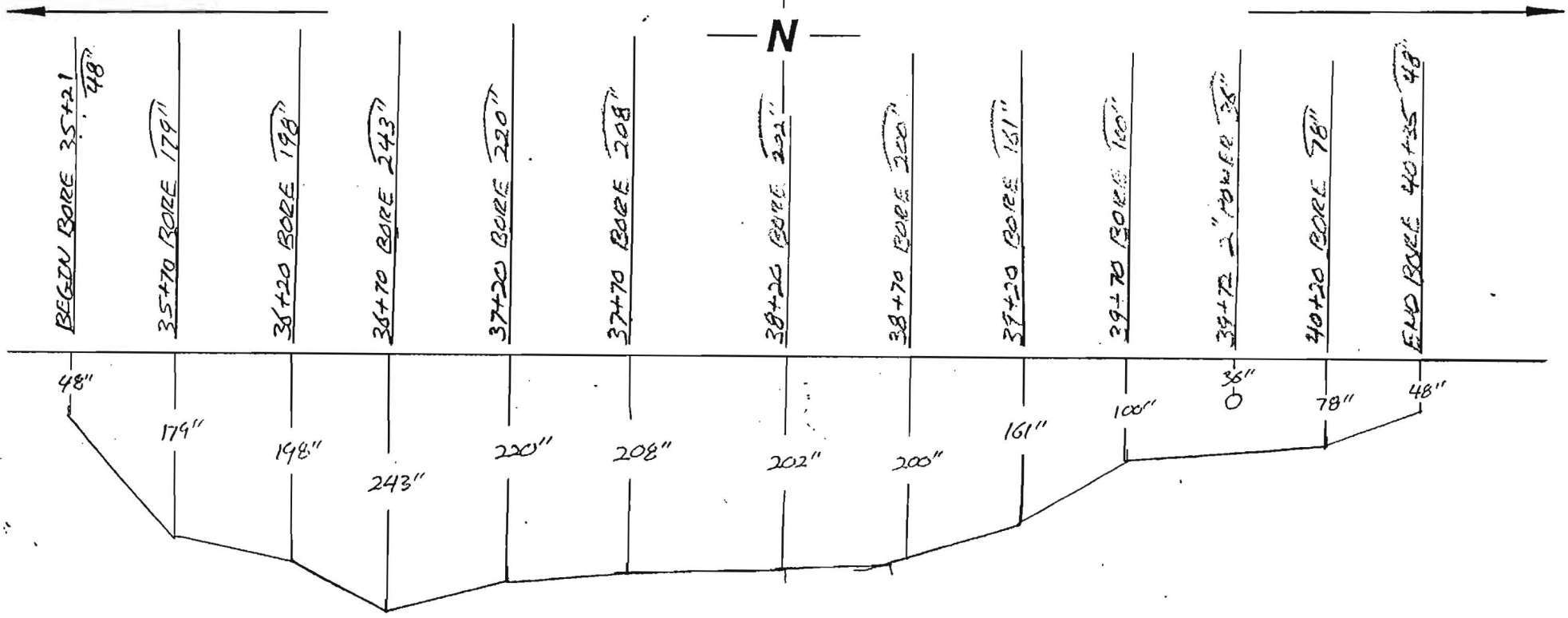
DUCT CONFIGURATION: 1-CONDUIT 1½", 1-BLUE 1¼" 1-BLACK 1¼"

CONTRACTOR: TIDEWELL SUB-MGR

INSPECTOR: ERIK BALLING

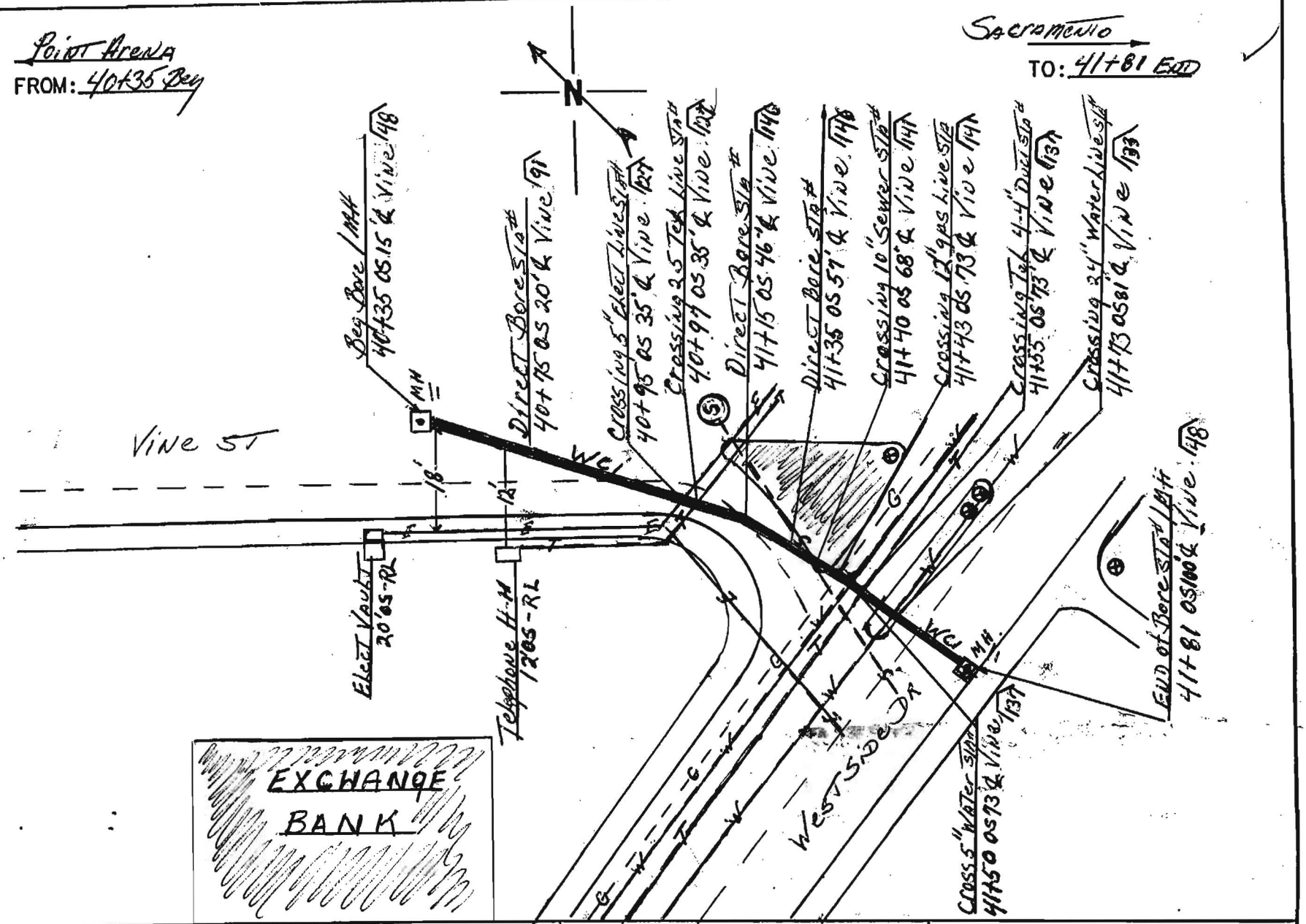
Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
2-1-01	4875	SAFE – 86, 87	4



NOTES:	COUNTY:	CONTRACTOR:
	DUCT CONFIGURATION:	INSPECTOR: ERIK BALING
PAGE OF		

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 02-20-01	PROJECT # 4875	DWG / ALIGNMENT SHEET 087	SPREAD # 4A



NOTES: Direct Bore As-built - grove Crossing West Side Dr. See Profile Dated Crossing Utilities.

COUNTY: Sonoma

CONTRACTOR: MGE

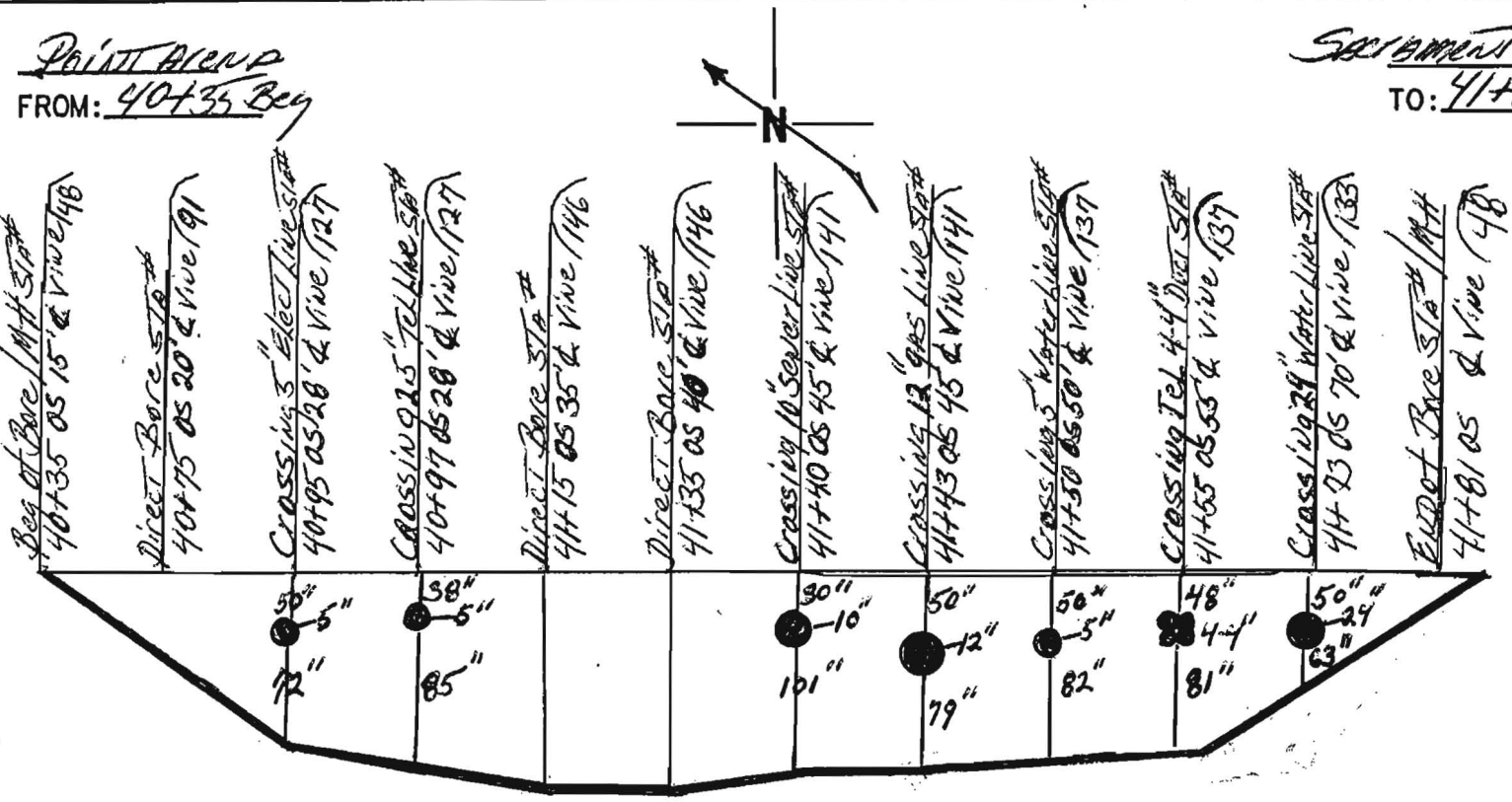
DUCT CONFIGURATION: 1.5 Orange - 1.5 Blue - 1.25 Black

INSPECTOR: Jeff D McKoy

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 02-20-01	PROJECT # 4875	DWG / ALIGNMENT SHEET 087	SPREAD # 44

FROM: Point Arena 40+35 Beg

TO: Sacramento 41+81 End

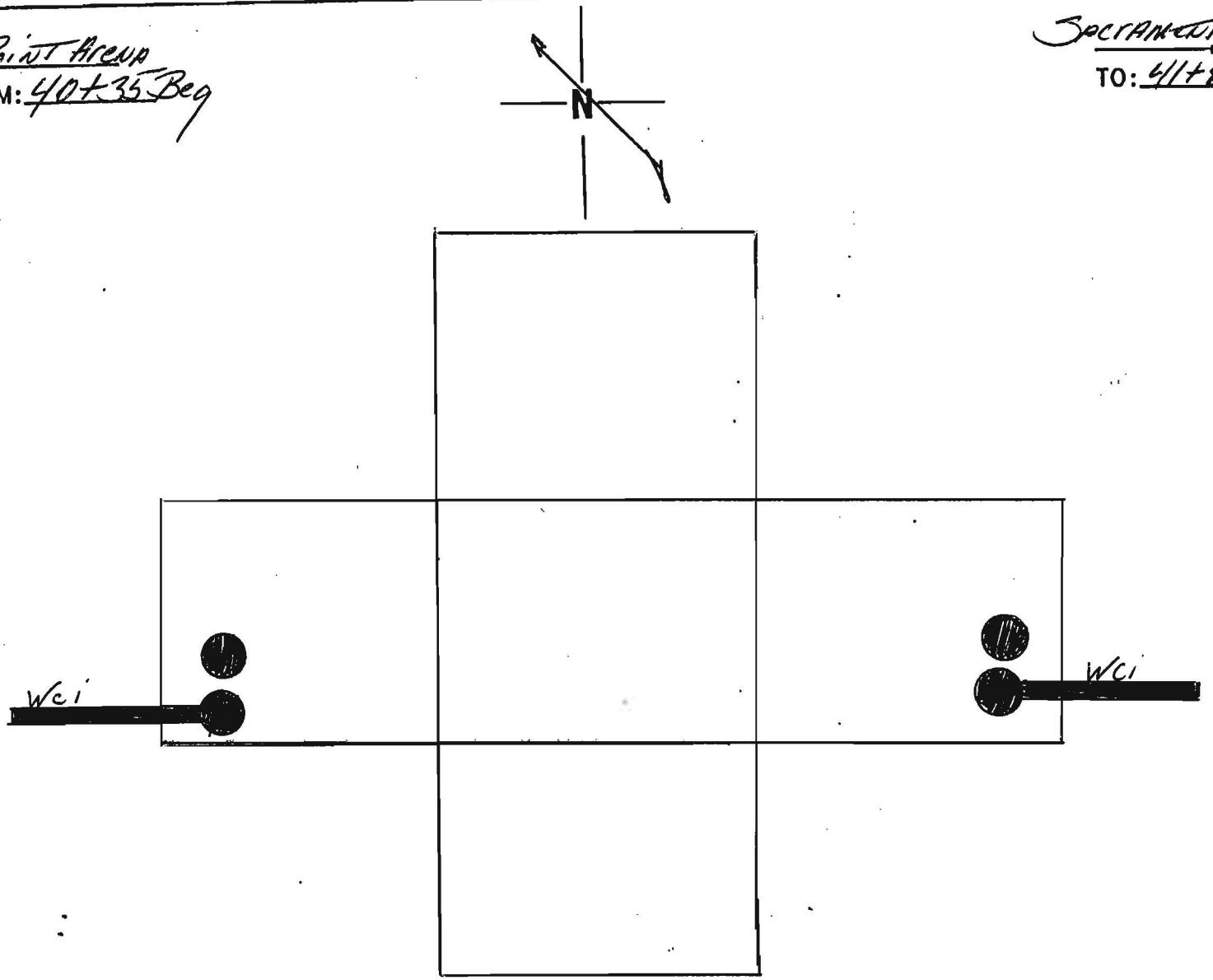


NOTES: Direct Bore Profile As built Crossing Utilities on Vine & West Side See As built Dated	COUNTY: SONOMA	CONTRACTOR: MGE
	DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black	INSPECTOR: Jeff D McKoy

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 02-20-01	PROJECT # 4875	DWG / ALIGNMENT SHEET 087	SPREAD # 7A

Point Arena
FROM: 40+35 Beg

Sacramento
TO: 41+81 End



NOTES: Man Hole - Place on Vine St
Sta # 40+35

COUNTY: Sonoma

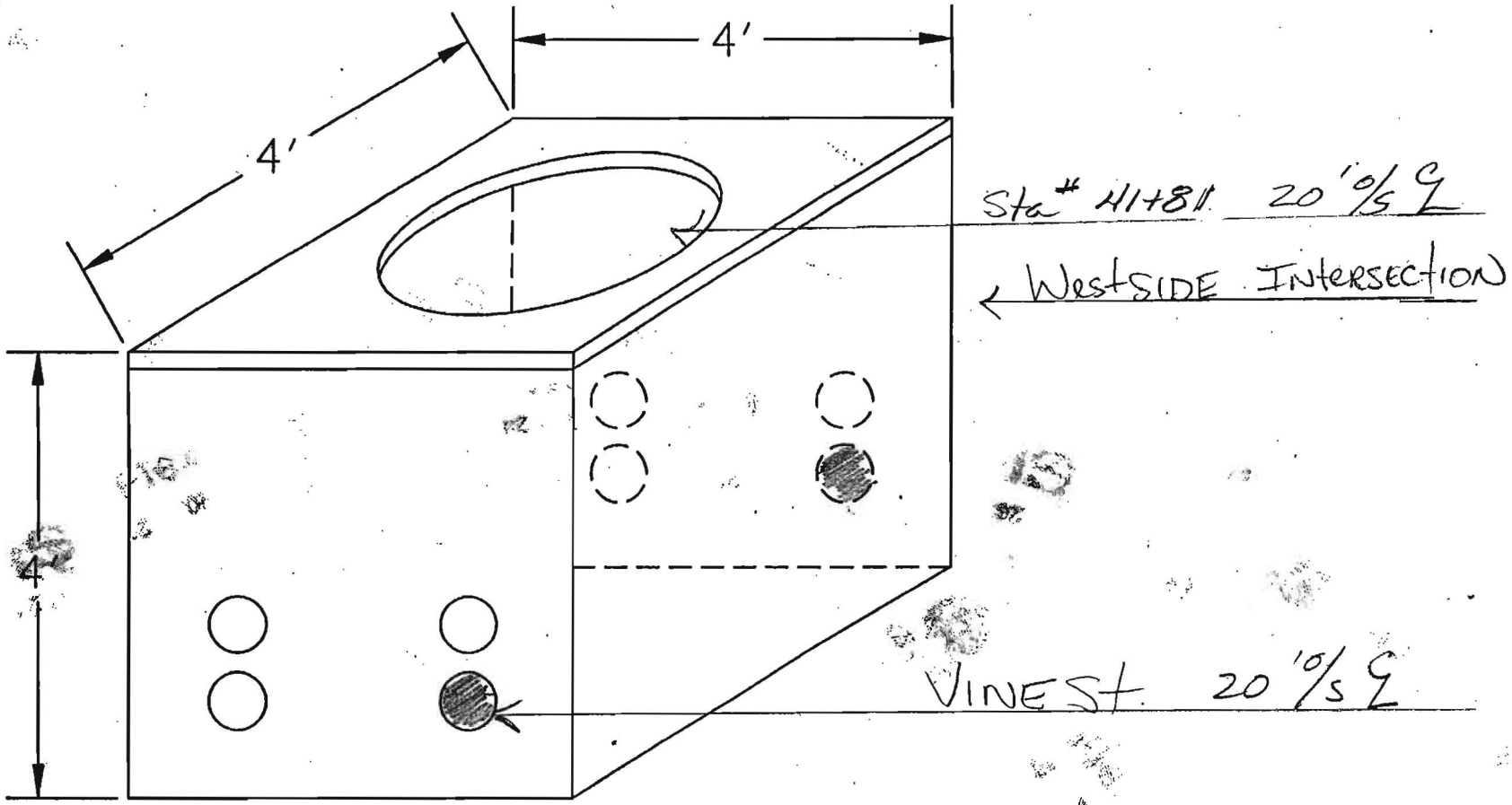
CONTRACTOR: MGE

DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black

INSPECTOR: Jeff D McKoy

WILLIAMS CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
4-6-01	99P154.11	SACRW87	4A



NOTES: ENTERED Roadside OF VINE
EXIT Roadside ON Westside
IN HEALDSBURG, Ca.

PAGE OF

COUNTY: Sonoma

CONTRACTOR: M.G.E

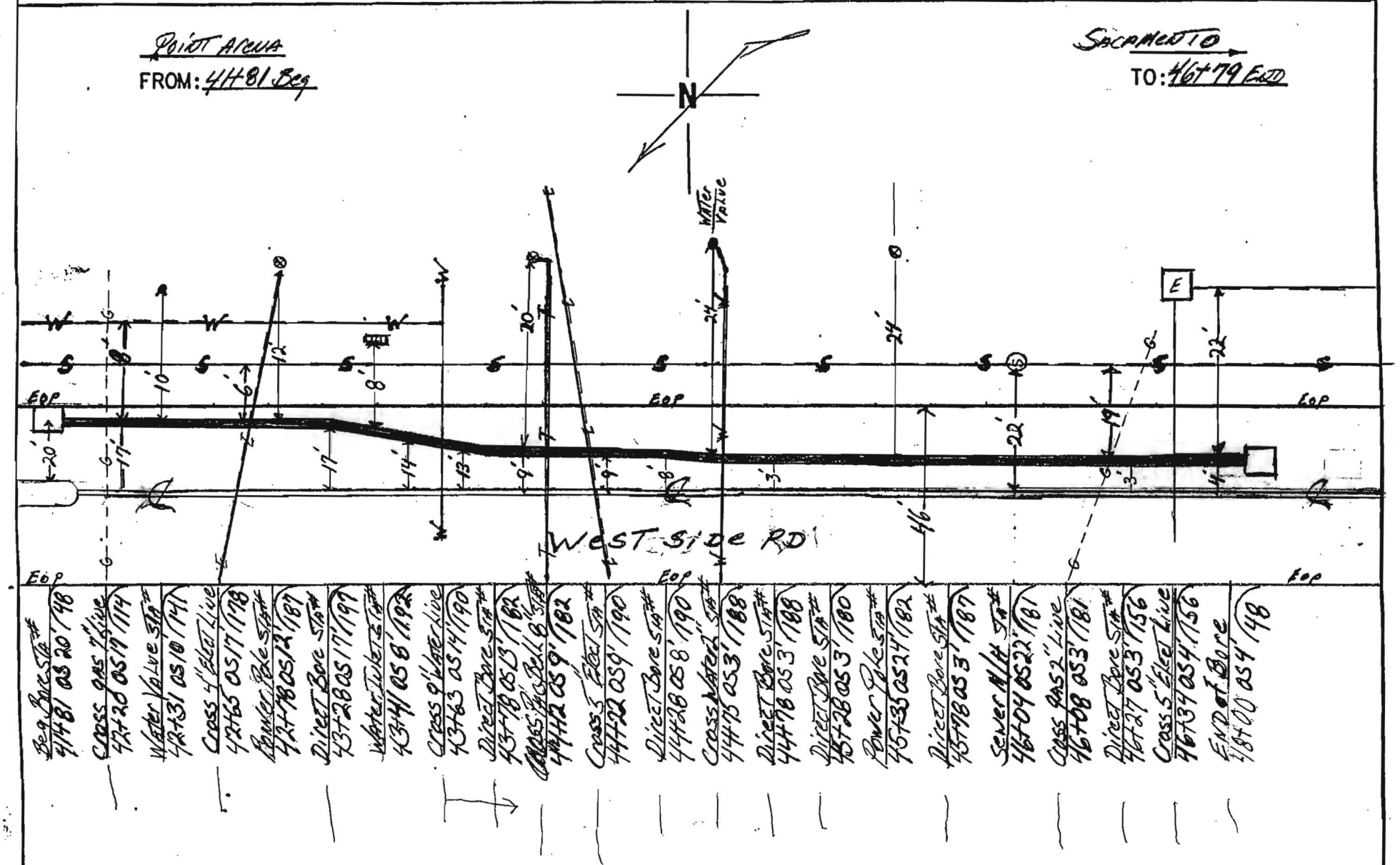
DUCT CONFIGURATION: (2) 1/2 (1) 1/4 H.D.PE

INSPECTOR: GLORIA TABOR

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD #
03-12-01	4875	088	4A

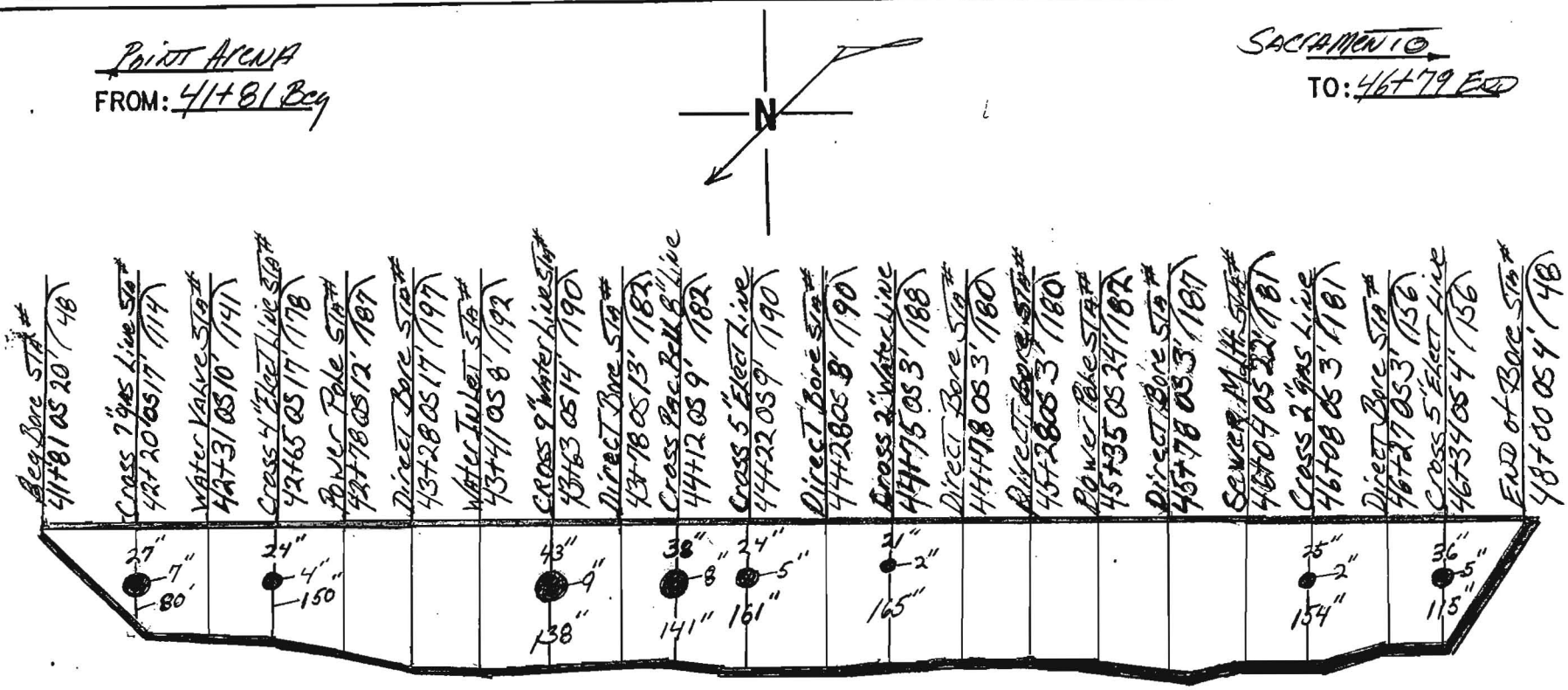


NOTES:	COUNTY:	CONTRACTOR:
Direct Bore Asbuilt - See Profile Asbuilt for Utility Crossings Dated 03-12-01	SONOMA	TIDWELL
	DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black	INSPECTOR: Jeff D McKay

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD #
		03-12-01	4845	088	4A

POINT ARENA
FROM: 411+81 Beg

SACRAMENTO
TO: 467+79 End



NOTES: Profile As Built - Crossing Utilities See Direct Bore As Built Dated 03-12-01	COUNTY: SONOMA	CONTRACTOR: TJ Dwell
	DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black	INSPECTOR: Jeff D McKoy

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

42+25 79' LT. STORM DRAIN
42+26 15' RT. FIRE HYDRANT
42+34 WATER LINE

42+34 8' RT. WATER VALVE
42+45 16' RT. FIRE HYDRANT
42+50 15' LT. WATER VALVE
42+55 31' LT. SANITARY MH

42+70 25' LT. STORM MH

42+82 52' LT. WATER VALVE
42+84 16' LT. WATER VALVE

42+92 STORM DRAIN VALVE
42+92 8' LT. WATER VALVE
42+95 3' RT. STORM DRAIN
42+99 22' LT. CL DRIVEWAY
43+01 16' LT. WATER VALVE

43+39 9' LT. WATER VALVE

43+70 69' LT. POLE
43+72 82' LT. POLE
43+74 49' LT. STORM DRAIN

43+92 STEEL PIPE
43+95 PLACE MANHOLE

43+99 STEEL PIPE

44+16 STORM DRAIN

44+18 9' LT. WATER VALVE
44+20 11' RT. STORM DRAIN
44+31 46' LT. WATER VALVE
44+33 28' LT. WATER VALVE
44+37 28' RT. LIGHT POLE
44+48 WATER LINE

44+64 C/L WESTSIDE STREET

44+86 23' LT. POLE

44+99 48' RT. FIRE HYDRANT
45+00 SEWER LINE

45+08 22' RT. WATER VALVE

45+20 STEEL PIPE
45+23 PLACE MANHOLE
45+26 STEEL PIPE

45+42 12' LT. SANITARY MH

45+50 5' LT. SANITARY MH

45+60 CL DRIVEWAY

45+68 18' RT. CL DRIVEWAY

45+81 17' LT. GAS VALVE

45+93 37' RT. MANHOLE

46+00 46' RT. STORM DRAIN
46+02 CL DRIVEWAY
46+03 55' RT. FENCE

46+30 47' RT. LIGHT POLE

46+37 35' RT. WATER VALVE
46+41 49' RT. FIRE HYDRANT
46+45 12' LT. POLE
46+50 35' RT. WATER VALVE

47+16 CL DRIVEWAY
47+16 57' RT. FENCE

47+74 4' LT. POLE

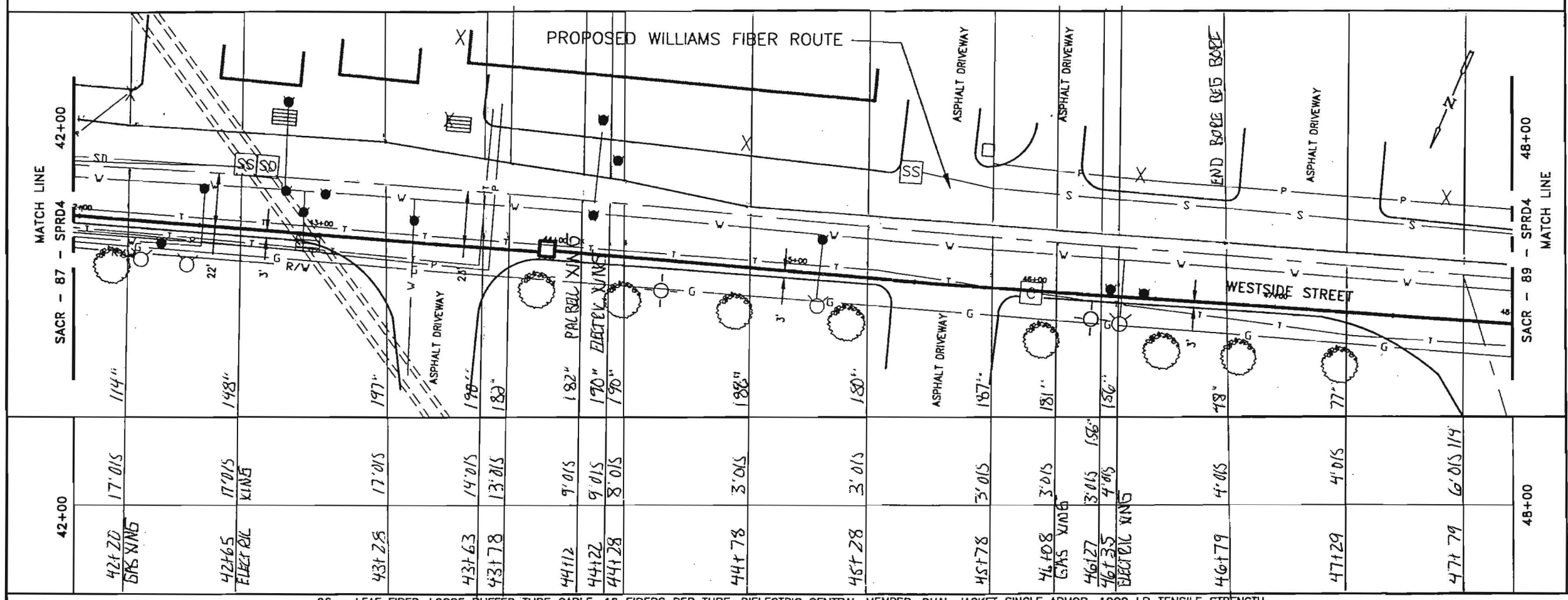
47+83 CL HWY 101 ON RAMP

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



42+00	42+25	42+34	42+45	42+50	42+55	42+70	42+82	42+84	42+92	42+95	42+99	43+01	43+39	43+70	43+72	43+74	43+92	43+95	43+99	44+16	44+18	44+20	44+31	44+33	44+37	44+48	44+64	44+86	44+99	45+00	45+08	45+20	45+23	45+26	45+42	45+50	45+60	45+68	45+81	45+93	46+00	46+02	46+03	46+30	46+37	46+41	46+45	46+50	47+16	47+16	47+74	47+83	48+00
	114'		148'			197'			198'	182'		190'	196'		188'		180'			187'	181'		186'		178'		177'																					
	17'0/S		17'0/S			17'0/S			14'0/S	13'0/S		9'0/S	9'0/S	8'0/S	3'0/S		3'0/S			3'0/S	3'0/S	3'0/S	3'0/S	4'0/S		4'0/S			4'0/S			6'0/S	11'9																				
42+00	42+20 GAS KING		42+65 ELECT KING			43+25			43+63	43+78		44+12	44+22	44+28	44+78		45+28			45+78	46+08 GAS KING	46+27	46+35 ELECTRIC KING			46+79			47+29			47+79																					48+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

42+00	46+79
46+79	48+00
479'	121'
BORE 2-1.5" HDPE 1-1.25" HDPE JEFF MCKOY 2-12-01 TIDWELL	BORE 2-1.5" HDPE 1-1.25" HDPE JEFF MCKOY 3-12-01 TIDWELL

IN BLACK 1.25 HDPE GSA TRACER WIRE GLORIA 1 7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-88-SPRD4

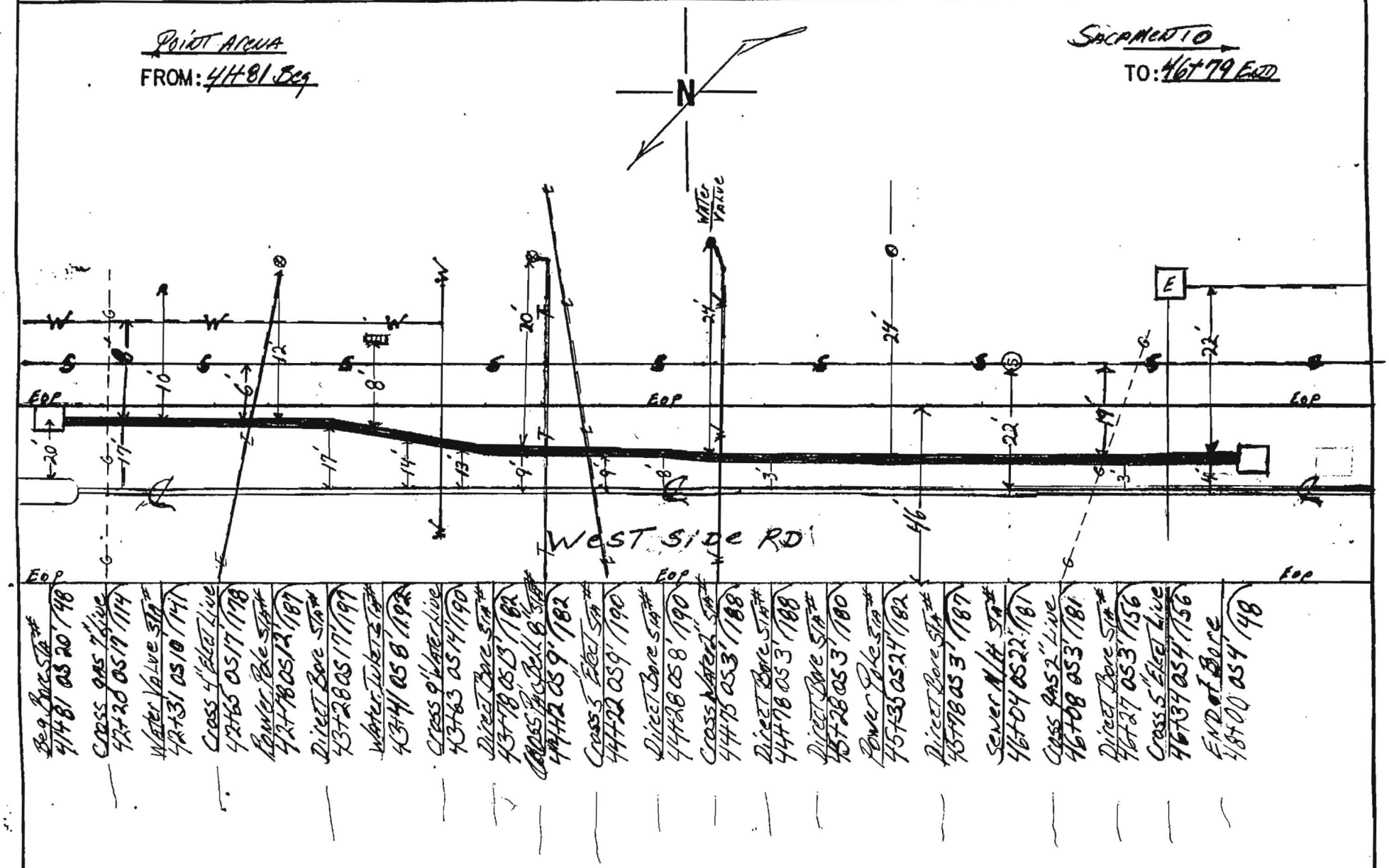
Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD #
03-12-01	4875	088	4

POINT ARENA
FROM: 41+81 Beg

SACRAMENTO
TO: 46+79 END



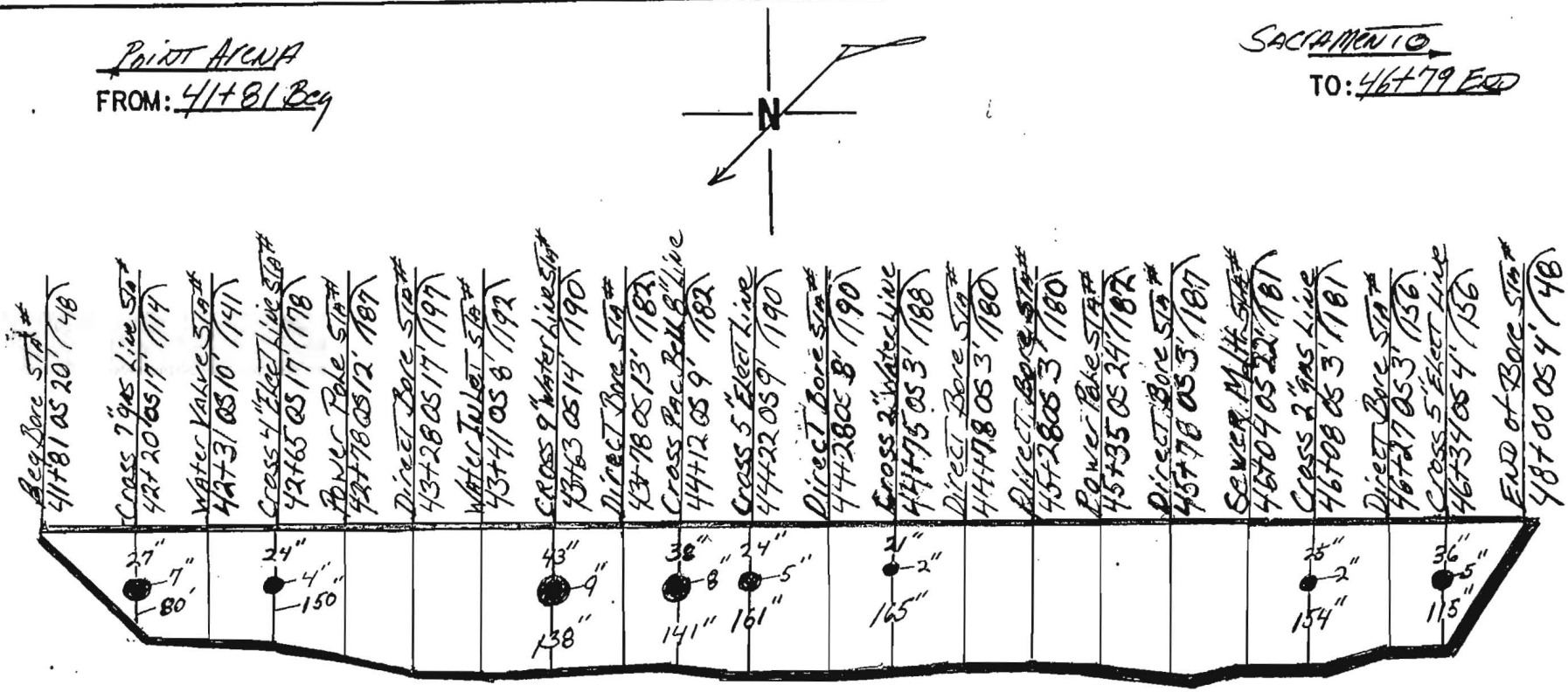
NOTES:	COUNTY:	CONTRACTOR:
Direct Bore Asbuilt - See Profile Asbuilt for Utility Crossings DATED 03-12-01	SONOMA	TIDWELL
	DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black	INSPECTOR: Jeff D McKoy

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG / ALIGNMENT SHEET	SHEET #
03-12-01	4875	088	4A

POINT ARENA
FROM: 411+81 Beg

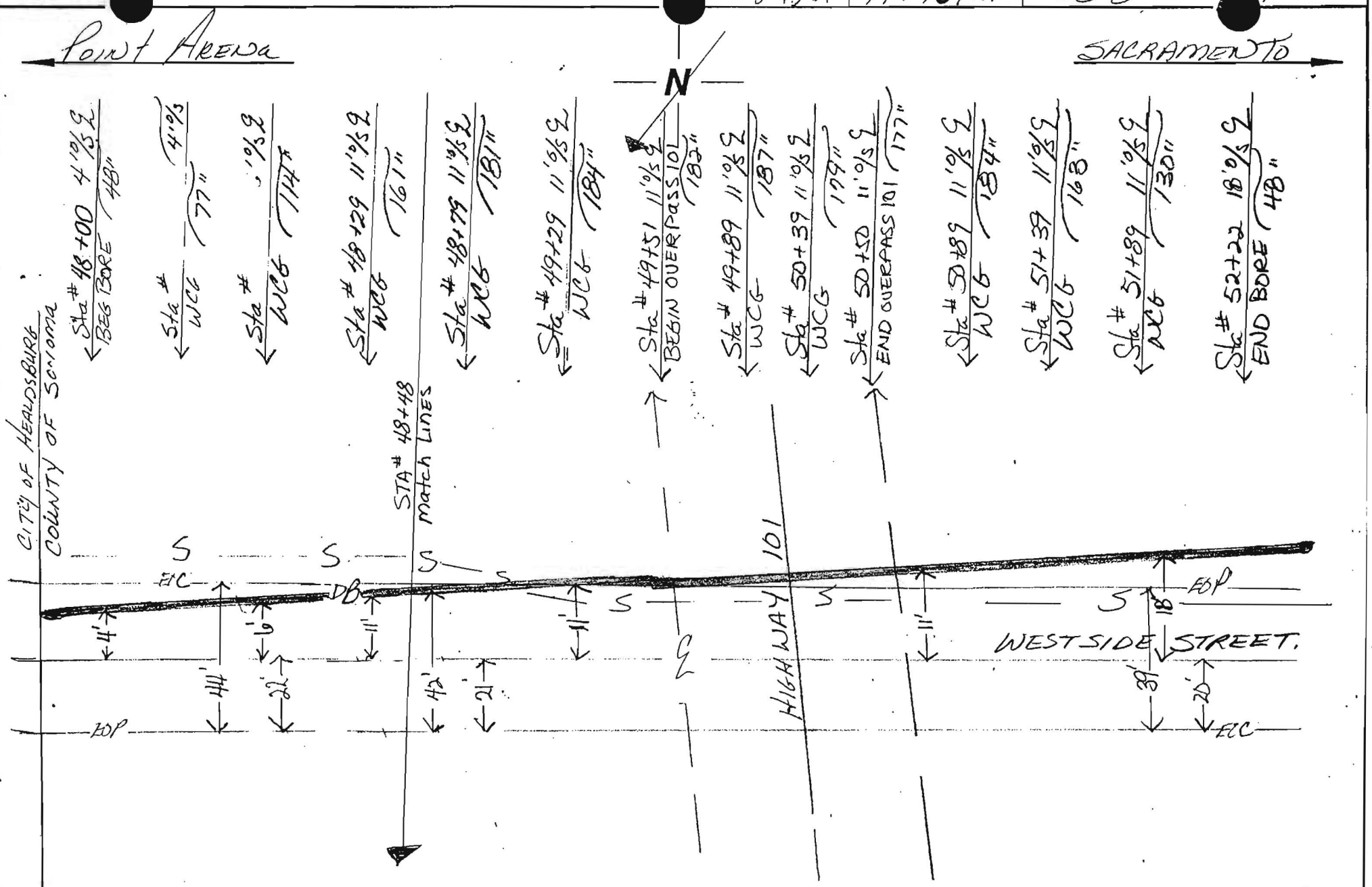
SACRAMENTO
TO: 461+79 End



NOTES:	COUNTY:	CONTRACTOR:
Profile As Built - Crossing Utilities See Direct Bore As Built Dated 03-12-01	SONOMA	TIDWELL
	DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black	INSPECTOR: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE: 3-13-01 | PROJECT: 494154.11 | 88-89 | 4A



NOTES: 543' BORE WESTSIDE STREET IN HEALDSBURG AT HIGHWAY 101 CROSSING

PAGE OF

COUNTY: Sonoma

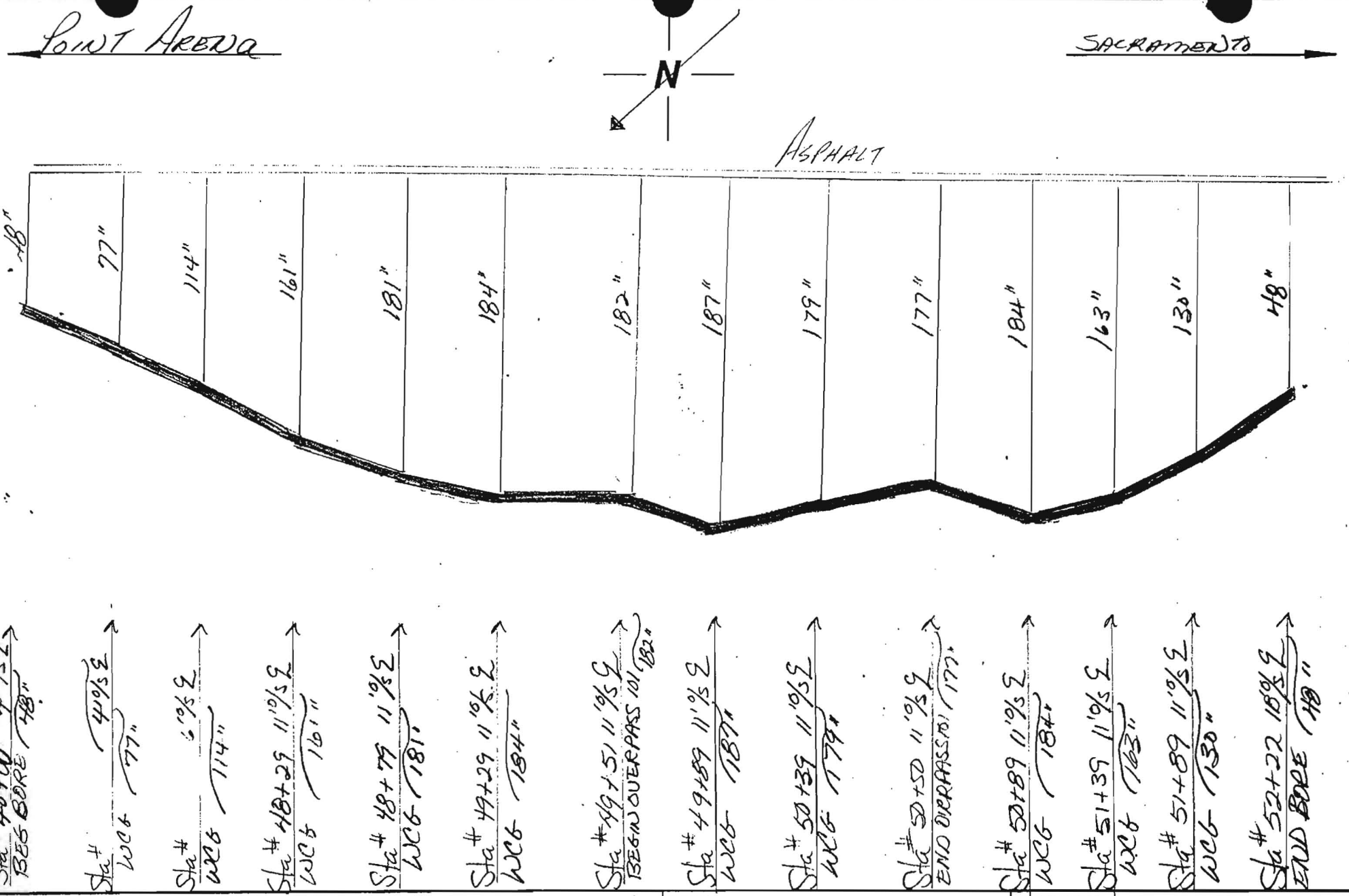
DUCT CONFIGURATION: (2) 1½ (1) 1¼ H.D.P.E.

CONTRACTOR: TIDWELL

INSPECTOR: GLORIA TABOR

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE: | PROJECT: 99P154.11 | DRAWING/ALIGNMENT SHEET: 88-89 | UA



NOTES: 543' BORE
WESTSIDE STREET IN HEALDSBURG
AT HIGHWAY 101 CROSSING

PAGE OF

COUNTY: SONOMA

DUCT CONFIGURATION: (2) 1 1/2 (1) 1 1/4 HDPE

CONTRACTOR: TIDWELL

INSPECTOR: GLORIA TABOR

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

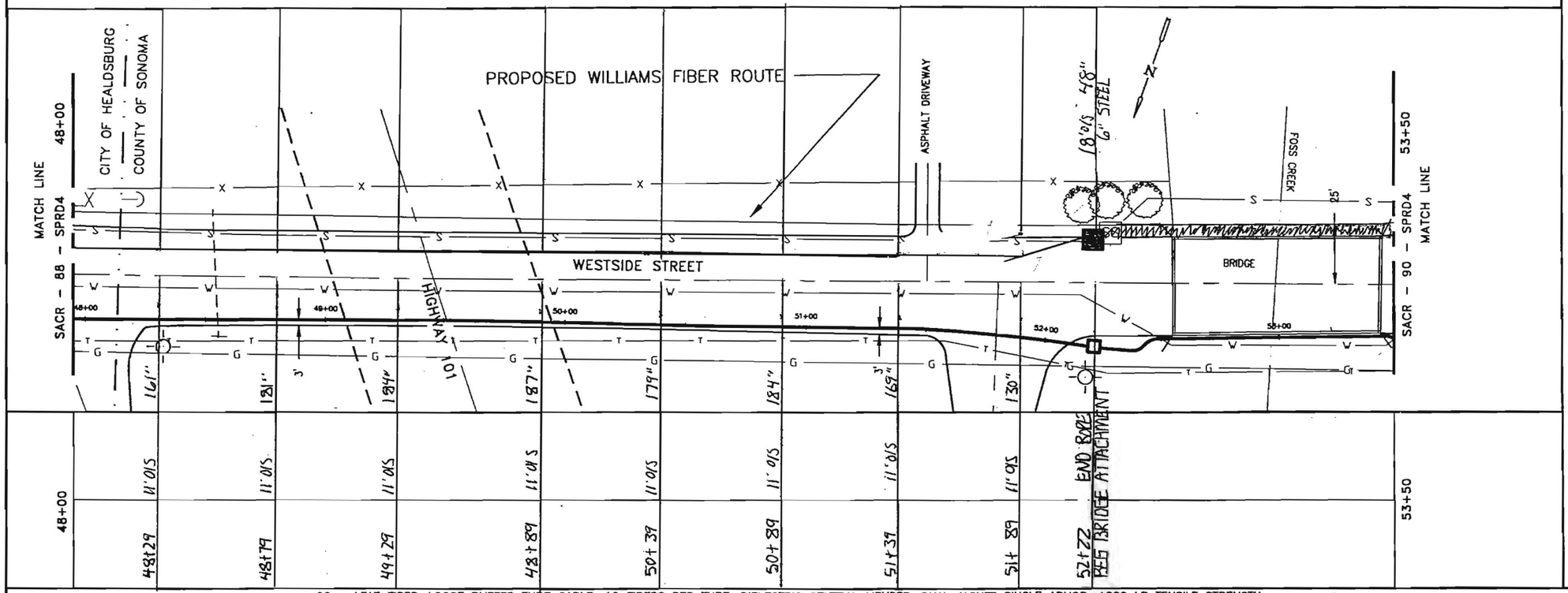
48+38 55' RT. LIGHT POLE
48+58 CULVERT
48+58 1' LT. CULVERT
48+61 51' RT. CULVERT
49+00 HWY 101 OVERPASS
49+42 HWY 101 OVERPASS
49+85 HWY 101 OVERPASS
51+50 17' LT. FENCE
51+55 CL DRIVEWAY
51+60 17' LT. FENCE
51+85 HWY 101 OFF RAMP
52+21 62' RT. LIGHT POLE
52+32 8' RT. SANITARY MH
52122 MANHOLE 4-6-01
52+58 FENCE
52+59 BRIDGE
53+03 C/L FOSS CREEK
53+46 BRIDGE
53+66 54' RT. TRAFFIC BOX
53+70 34' RT. WATER VALVE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

48+60	52122
52122	53+50
422'	138'
2-1.5" HDPE 1-1.25" HDPE GLORIA TABOR 3-13-01 TIDWELL	BRIDGE ATTACHMENT 2-1.5" HDPE 1-1.25" HDPE GLORIA TABOR 3-9-01 TIDWELL IN BLACK 1.25 HDPE GOES TRACER WIRE GLORIA TABOR 7-9-01

NOTE:

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LEGEND

- Interstate Hwy.
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- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

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INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
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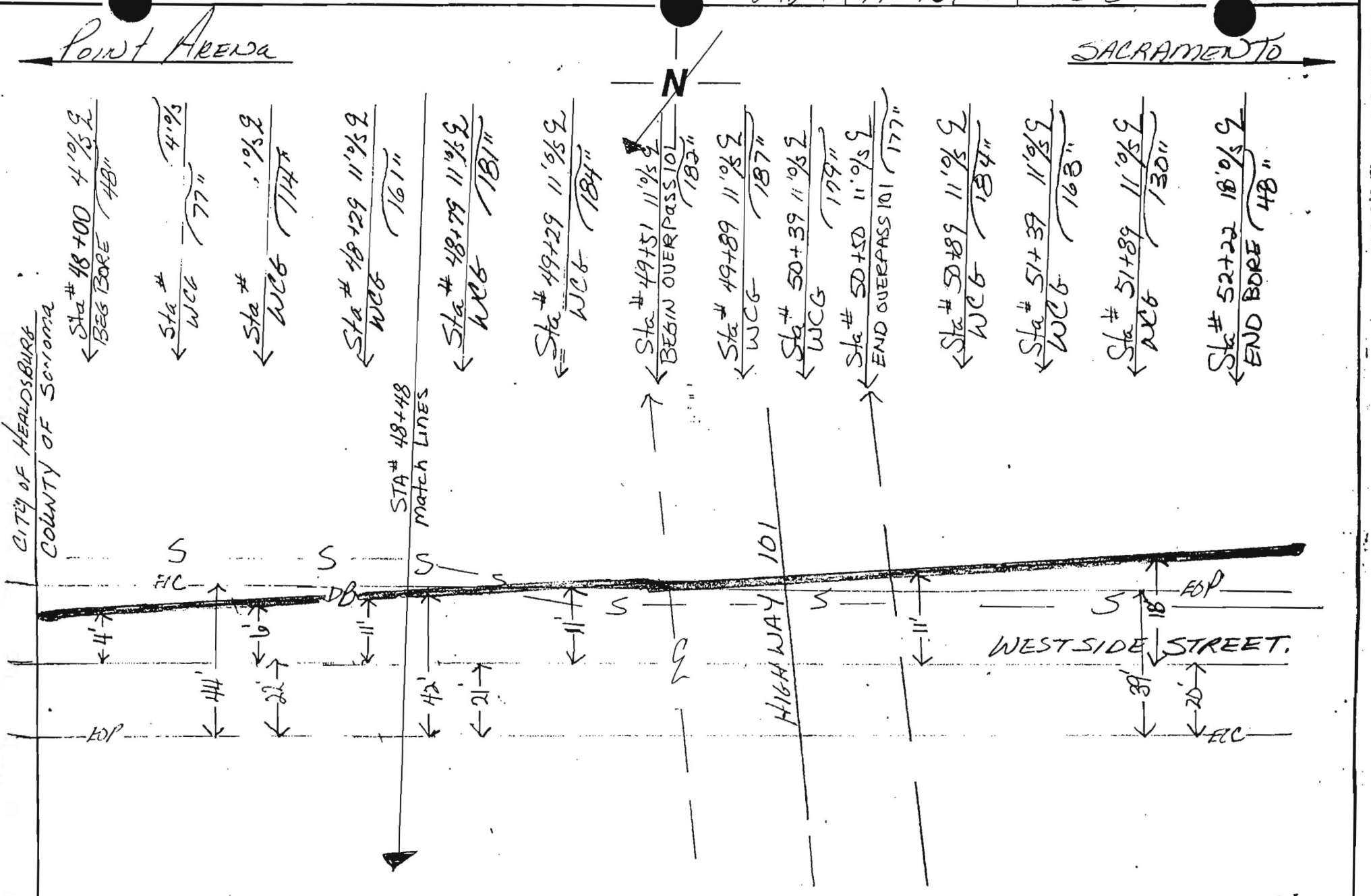
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–89–SPRD4

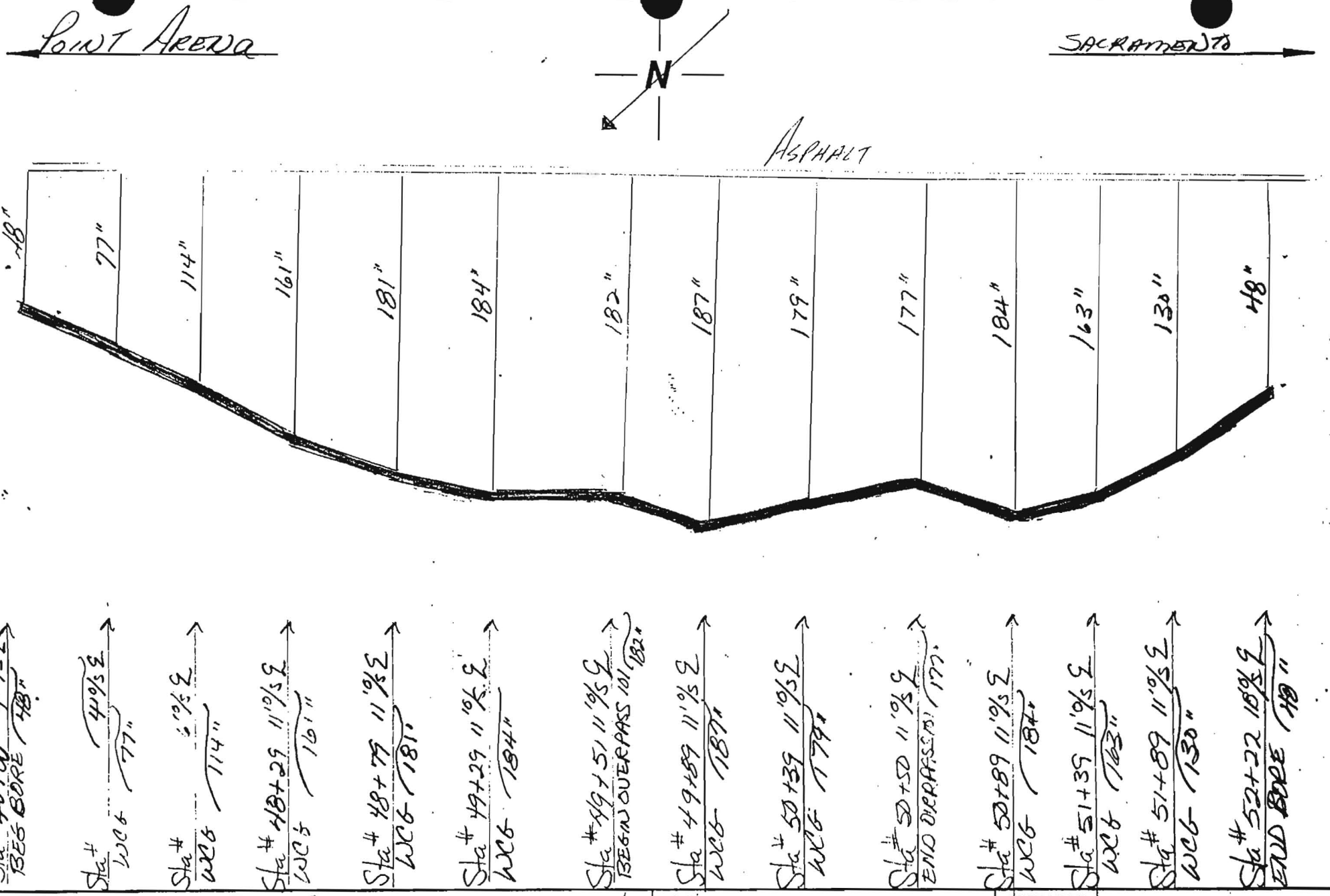
Williams CONSTRUCTION AS-BUILT DOCUMENTATION

3-15-01 | 99P154.11 | 88-89 | 4-4



NOTES:	COUNTY:	CONTRACTOR:
543' BORE WESTSIDE STREET IN HEALDSBURG AT HIGHWAY 101 CROSSING	Sonoma	TIDWELL
PAGE OF	DUCT CONFIGURATION: (2) 1½ (1) 1¼ H.D.P.E.	INSPECTOR: GLORIA TABOR

Williams CONSTRUCTION AS-BUILT DOCUMENTATION | 97P154.11 | 88-89 | 4H



NOTES: 543' BORE

WESTSIDE STREET IN HEALDSBURG

AT HIGHWAY 101 CROSSING

PAGE OF

COUNTY: SONOMA

DUCT CONFIGURATION: (2) 1 1/2 (1) 1 1/4 I.D.

CONTRACTOR: TIDWELL

INSPECTOR: GLORIA TABOR

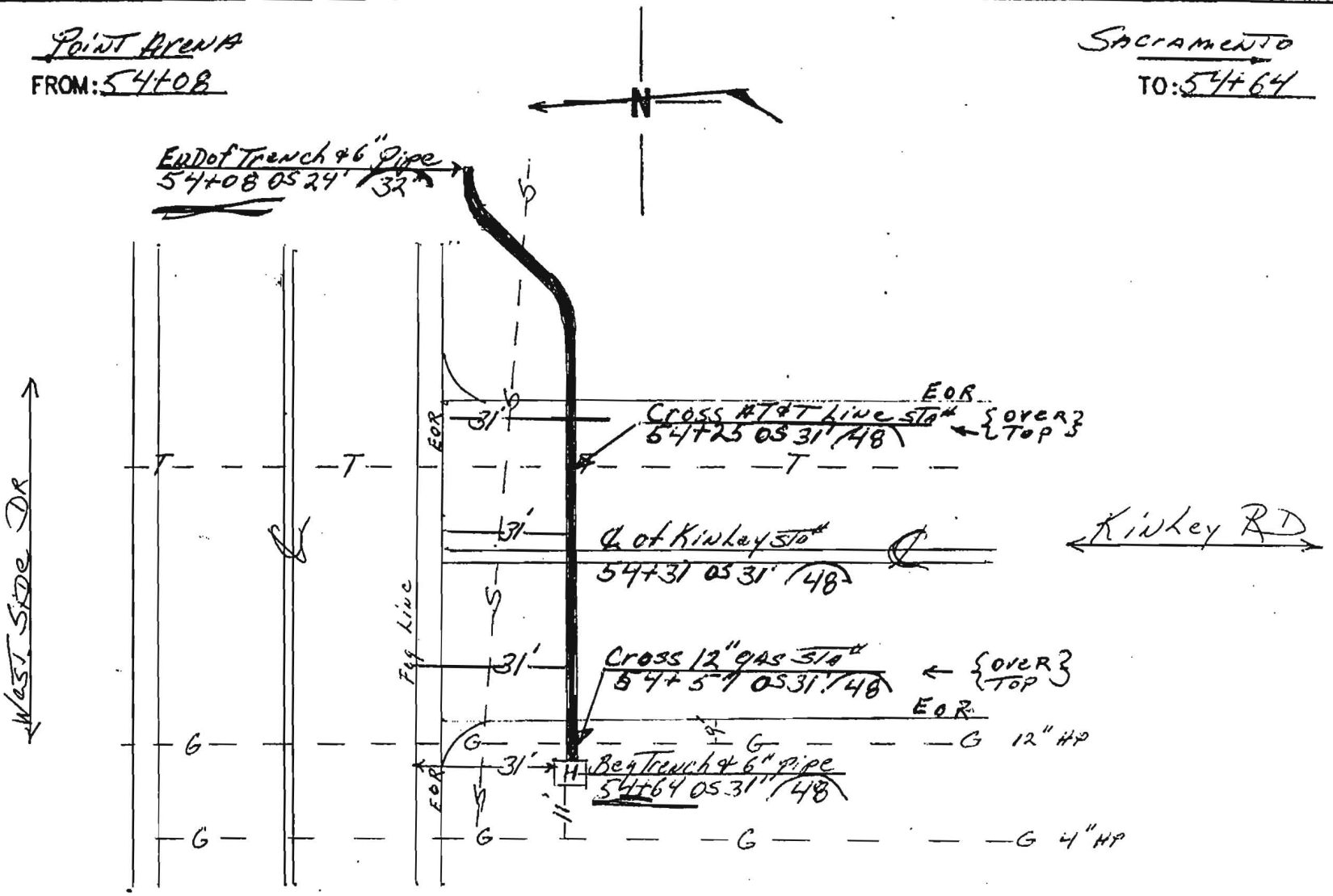
Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #		
4-12-01	4875	W-89	1A

Point Arena
FROM: 54+08

Sacramento
TO: 54+64



NOTES: Trench & Placed 6" casing Asbuilt the WCG Cross over Top AT&T and gas. West Side DR & Kinley RD.

COUNTY: SONOMA

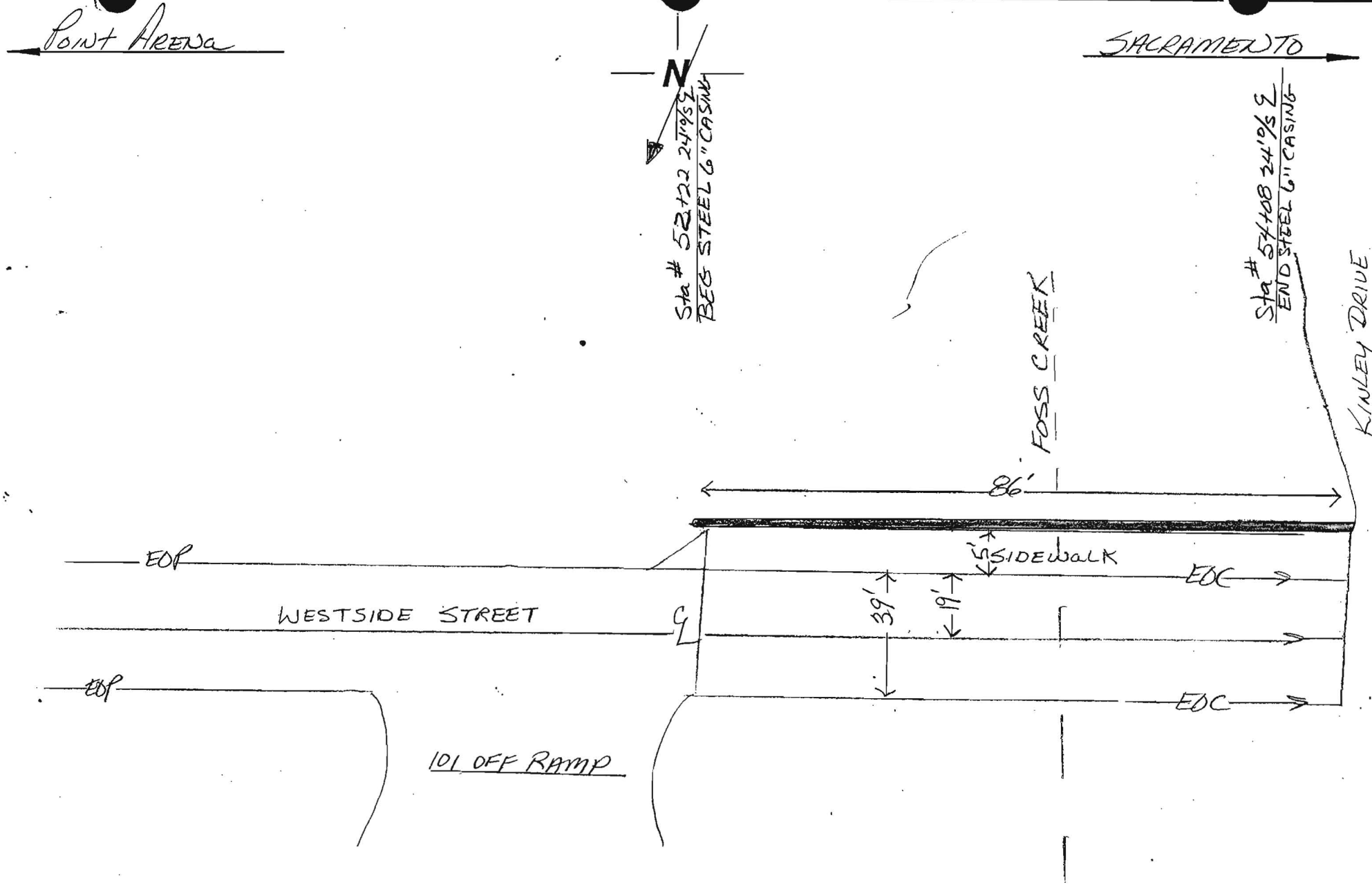
DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 4-1.25 Black

CONTRACTOR: TRDWell

INSPECTOR: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
3-9-01	99P154.11	89	4A



NOTES: FOSS CREEK BRIDGE ATTACHMENT ON WESTSIDE ST. IN HEALDSBURG

PAGE OF

COUNTY: Sonoma

DUCT CONFIGURATION: 6" STEEL CASING

CONTRACTOR: TIDWELL

INSPECTOR: GLORIA TABOR

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
3-9-01	99P154.11	89	4H

Point Arena

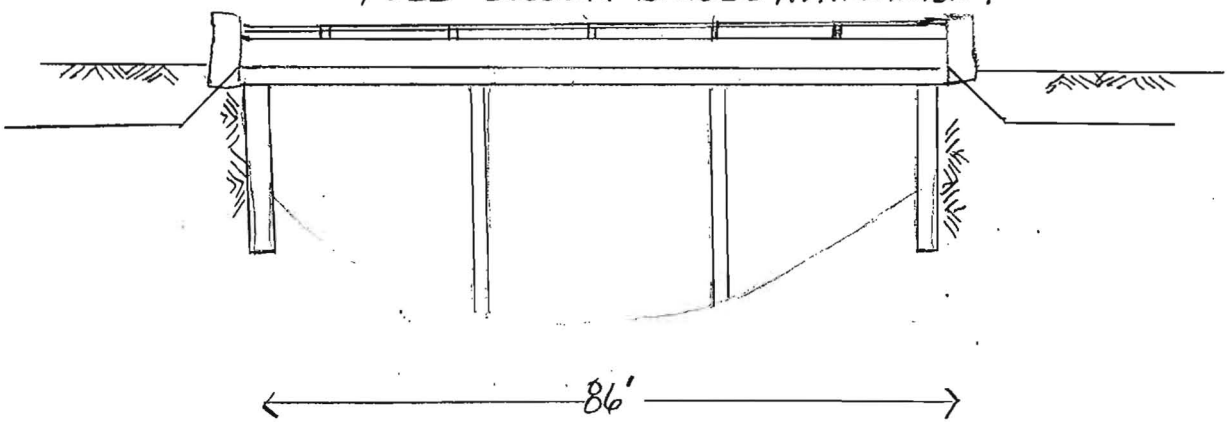
SACRAMENTO

N

Sta # 52.22 24'0" ℄ BEG STEEL 6" CASING

Sta # 54408 24'0" ℄ END STEEL 6" CASING

FOSS CREEK BRIDGE ATTACHMENT



NOTES: FOSS CREEK BRIDGE ATTACHMENT ON WESTSIDE ST IN HEALDSBURG

PAGE OF

COUNTY: Sonoma

DUCT CONFIGURATION: 6" STEEL CASING

CONTRACTOR: TIDWELL

INSPECTOR: GLORIA TABOR

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

54+01 BURIED CABLE
54+15 CL KINLEY DRIVE
54+32 GAS LINE
54+50 STEEL PIPE
54+56 STEEL PIPE
54+65 5' RT. GAS VALVE
55+01 1' LT. GAS LINE
54164 HANDHOLE #2 4-12-01
54164 SPLICE POLE #1 GLORIA TABOR 7-9-01
56+07 15' RT. POLE
57+79 16' LT. ATT MANHOLE
57+80 25' LT. FIBER MARKER
58+62 15' RT. POLE
59+23 7' RT. STORM DRAIN
59+92 12' RT. SANITARY MH

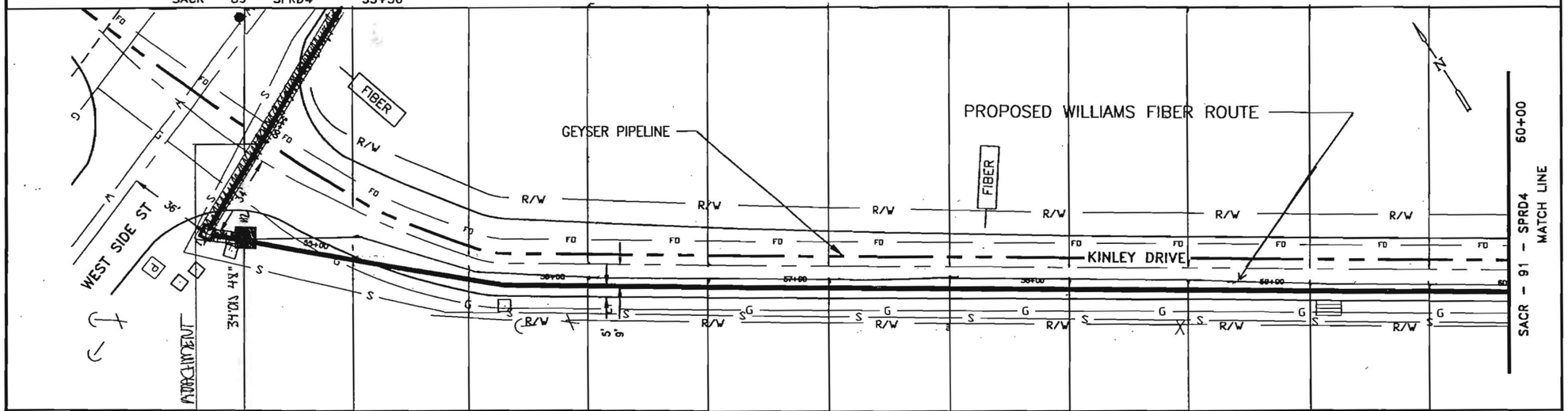
ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →

MATCH LINE
SACR – 89 – SPRD4 53+50



53+50													60+00
	END RIDGE ATTACHMENT	12'DIS 64"	5'DIS 64"	5'DIS 57"	5'DIS 59"	5'DIS 57"	4'DIS 57"	5'DIS 55"	5'DIS 54"	5'DIS 54"	4'DIS 52"	1'DIS 52"	
	54108 BEG TRENCH 54164 BEG RIDGE END TRENCH	55+15	55+65	56+15	56+65	57+15	57+65	58+15	58+65	59+15	59+65		

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

54764
LOTOD
526'
7.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12.21.00
AMERICAN BORING

IN BLACK 1.25" HDPE
6STA TRENCH WIDE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FULL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OB Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1–800–227–2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

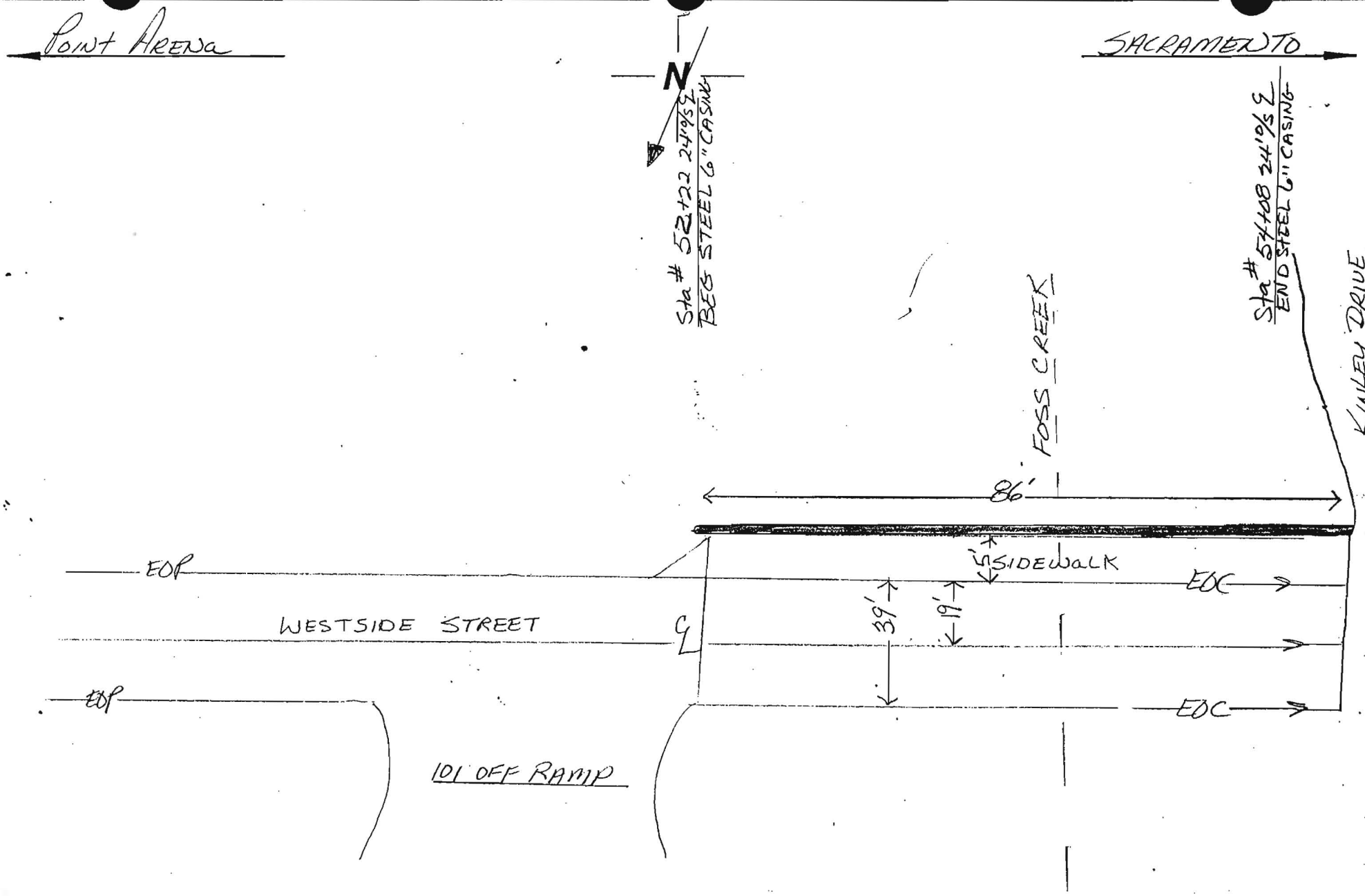
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–90–SPRD4

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:		
3-9-01	99P154.11	89	4H



NOTES: FOSS CREEK BRIDGE ATTACHMENT ON WESTSIDE ST. IN HEALDSBURG

PAGE OF

COUNTY: Sonoma

CONTRACTOR: TIDWELL

DUCT CONFIGURATION: 6" STEEL CASING

INSPECTOR: GLORIA TABOR

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT		
3-9-01	19P154.11	81	44

POINT ARENA

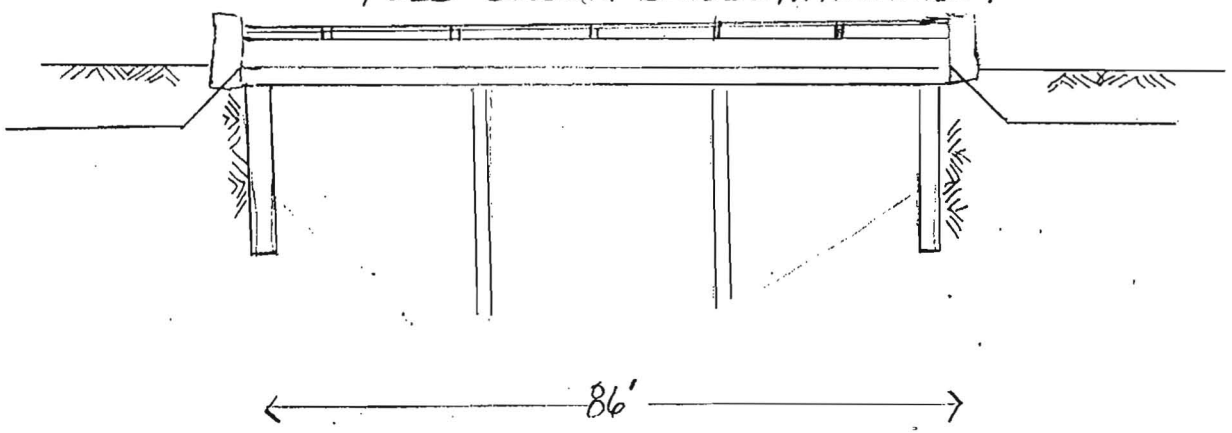
SACRAMENTO

N

Sta # 52+22 24"ø ℄
BEG STEEL 6" CASING

Sta # 54+08 24"ø ℄
END STEEL 6" CASING

FOSS CREEK BRIDGE ATTACHMENT



NOTES: FOSS CREEK BRIDGE ATTACHMENT ON WESTSIDE ST IN HEALDSBURG

PAGE OF

COUNTY: SONOMA

CONTRACTOR: TIDWELL

DUCT CONFIGURATION: 6" STEEL CASING

INSPECTOR: GLORIA TABOR

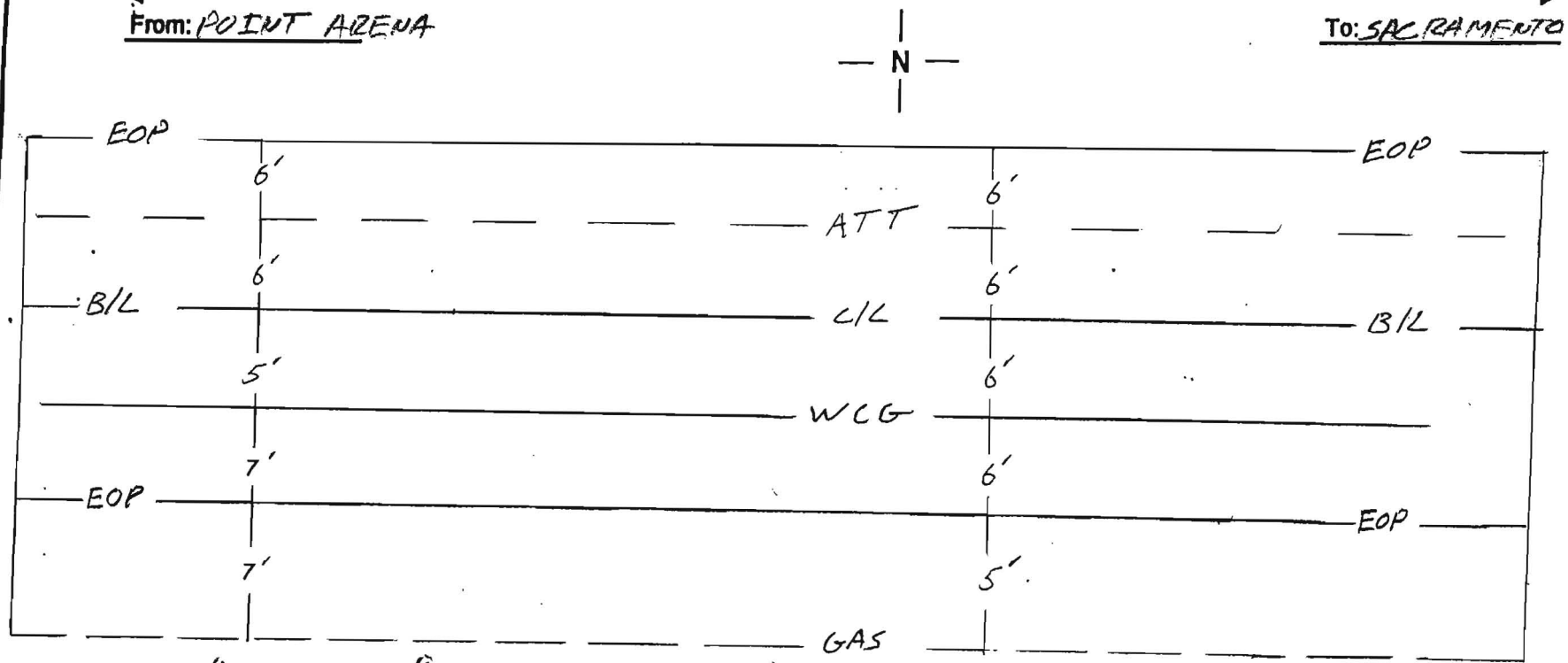
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]00
Page No. 1 of 2
Drawing #: SARC-90

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 54+64 34'o/s 48"

55+15 BORE 12'o/s 54"

55+65 BORE 5'o/s 54"

56+15 BORE 5'o/s 57"

56+65 BORE 5'o/s 55"

57+15 BORE 5'o/s 57"

57+65 BORE 4'o/s 57"

58+15 BORE 5'o/s 55"

58+65 BORE 5'o/s 54"

59+15 BORE 6'o/s 54"

59+65 BORE 6'o/s 54"

60+00 MATCHLINE

END BORE 60+21 6'o/s 48"

Notes:

County: SONOMA

Contractor: TIDWELL
SUB-AMERICAN BOREING

Duct Configuration: 1-ORANGE 1½
1-BLUE 1½", 1-BLACK 1¼

Inspector: ERIK BALLING

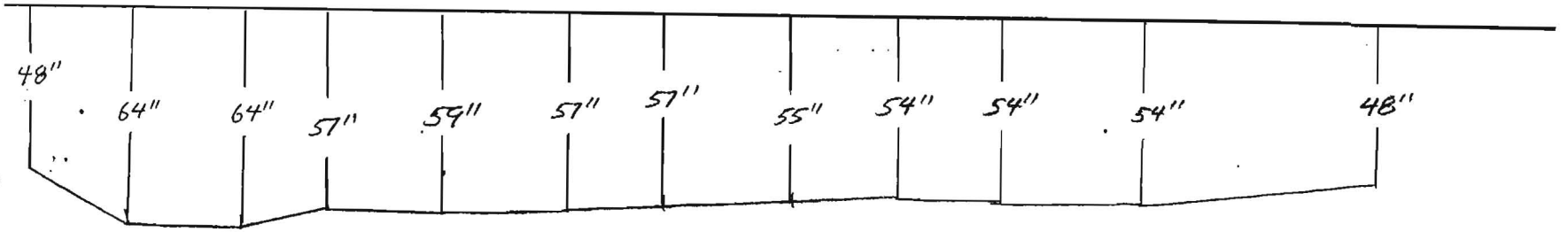
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-21-00
Page No. 2
Drawing #: SARC-90

From: POINT ARENA — To: SACRAMENTO

N



BEGIN BORE 54+64
34'o/s 48"

55+15 BORE 12'o/s 64"

55+65 BORE 5'o/s 64"

56+15 BORE 5'o/s 57"

56+65 BORE 5'o/s 59"

57+15 BORE 5'o/s 57"

57+65 BORE 4'o/s 57"

58+15 BORE 5'o/s 55"

58+65 BORE 5'o/s 54"

59+15 BORE 6'o/s 54"

59+65 BORE 6'o/s 54"

60+00 MATCHLINE

END BORE 60+21 6'o/s 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½, 1-BLUE 1½", 1-BLACK 1¼

Contractor: TIDWELL
SUB-AMERICAN BORING

Inspector: ERIK BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

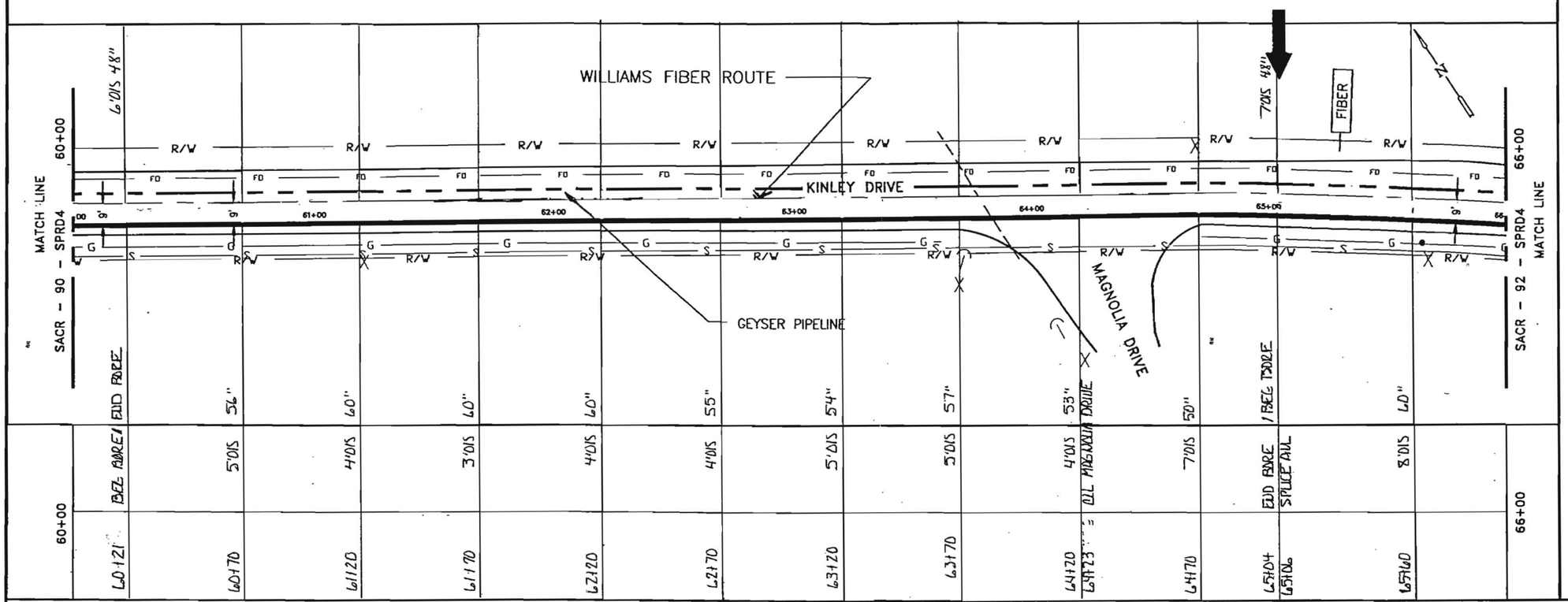
61+20 15' RT. POLE
63+60 35' LT. CULVERT
63+69 27' RT. POLE
63+81 3' LT. CULVERT
63+94 16' RT. CULVERT
64+10 60' RT. MANHOLE
64+21 59' RT. POLE
64+23 CL MAGNOLIA DRIVE
64+69 28' LT. POLE
65+28 27' LT. FIBER MARKER
65+64 9' RT. GAS VALVE
65+67 15' RT. POLE
65+76 12' RT. SANITARY MH

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



60+00	BEG FIBER	5'0/S	4'0/S	3'0/S	4'0/S	4'0/S	5'0/S	5'0/S	4'0/S	7'0/S	END FIBER	SPLICE AVL	8'0/S	66+00
	LO 121	LO 170	L1 120	L1 170	L2 120	L2 170	L3 120	L3 170	L4 120	L4 170	L5 104	L5 106	L5 160	
		56"	60"	60"	60"	55"	54"	57"	53"	50"			60"	

95 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" BLACK HDPE, 1-1.5" BLUE HDPE, 1-1.5" ORANGE HDPE

60+00		60+21	65+04
60+21		65+04	66+00
21'		483'	96'
2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12.21.00 AMERICAN BORING	IN BLACK 1.25" HDPE GGA TRACER WIRE ELORIA TABOR 7-9-01	2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12.1.00 AMERICAN	2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12.7.00 AMERICAN BORING

NOTE:

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3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE DESCRIPTION
- CABLE FIBER COUNT MFG. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & INNERDUCT PLACEMENT
- INNERDUCT & TYPE (CORR/SMOOTH/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE UNIT PLACE
- FUTURE-2
- FUTURE-3
- FUTURE-4

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-91-SPRD4

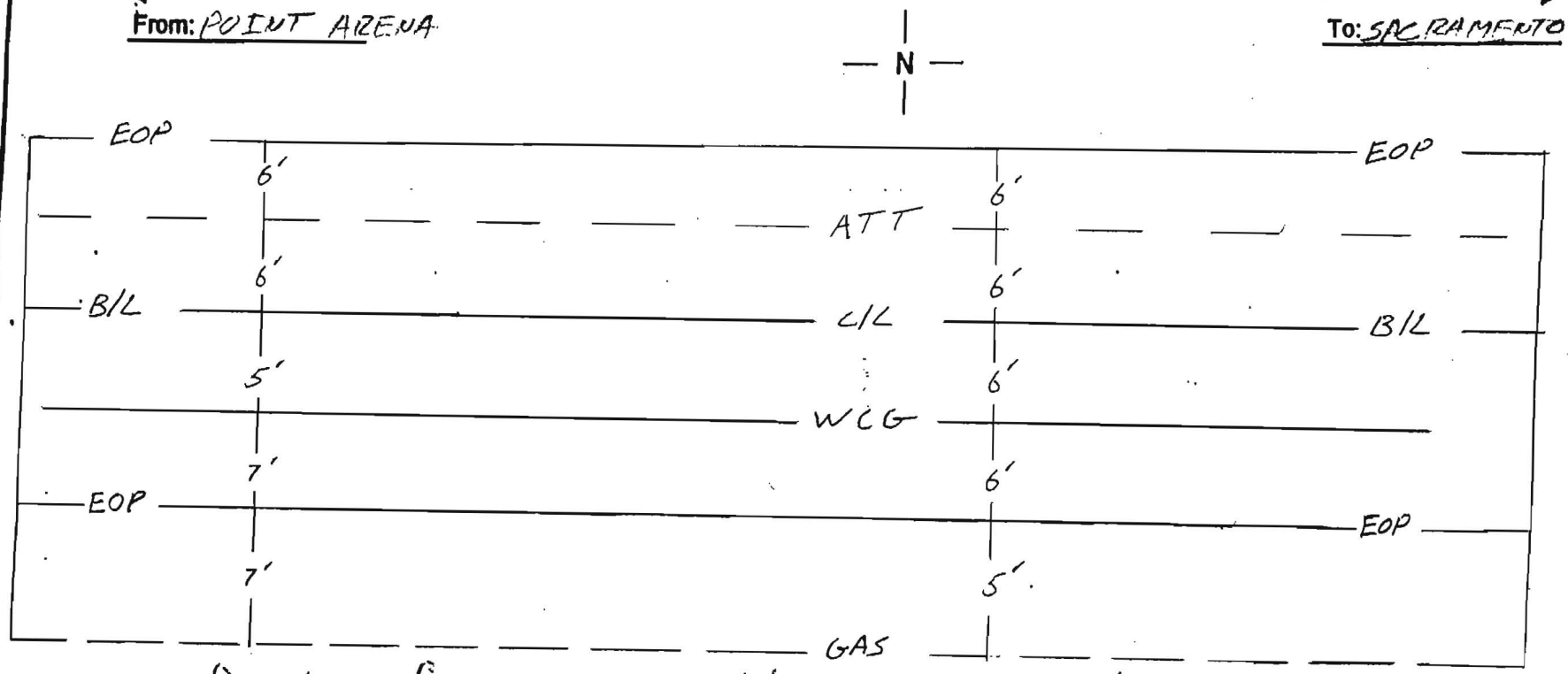
Williams Construction As-Built Documentation

Spread Local: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]00
Page No. [illegible]2
Drawing #: SARC-90

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 54+64
34'o/s 48"

55+15 BORE 12'o/s 64"

55+65 BORE 5'o/s 64"

56+15 BORE 5'o/s 57"

56+65 BORE 5'o/s 59"

57+15 BORE 5'o/s 57"

57+65 BORE 4'o/s 57"

58+15 BORE 5'o/s 55"

58+65 BORE 5'o/s 54"

59+15 BORE 6'o/s 54"

59+65 BORE 6'o/s 54"

60+00 MATCHLINE

END BORE 60+21 6'o/s 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1"

Contractor: TIDWELL SUB-AMERICAN BORING

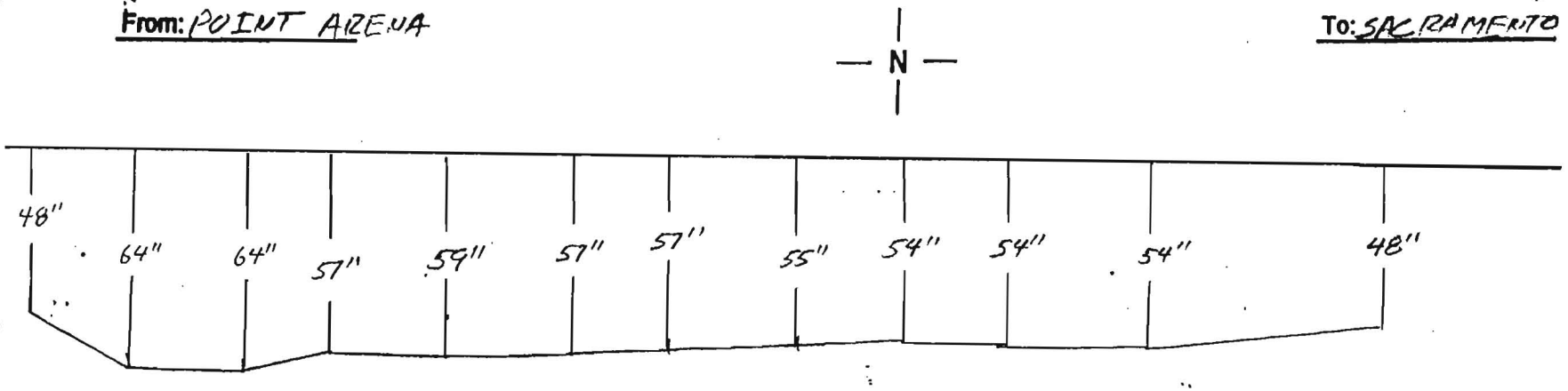
Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Locat. SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-21-00
Page No. 2 of 2
Drawing #: SARC-90

From: POINT ARENA — To: SACRAMENTO



BEGIN BORE 54+64
34'o/s 48"

55+15 BORE 12'o/s 64"

55+65 BORE 5'o/s 64"

56+15 BORE 5'o/s 57"

56+65 BORE 5'o/s 59"

57+15 BORE 5'o/s 57"

57+65 BORE 4'o/s 57"

58+15 BORE 5'o/s 55"

58+65 BORE 5'o/s 54"

59+15 BORE 6'o/s 54"

59+75 BORE 6'o/s 54"

60+00 MATCHLINE

END BORE 60+21 6'o/s 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½ 1-BLUE 1½", 1-BLACK 1¼

Contractor: TIDWELL SUB-AMERICAN BORING

Inspector: ERIK BALLING

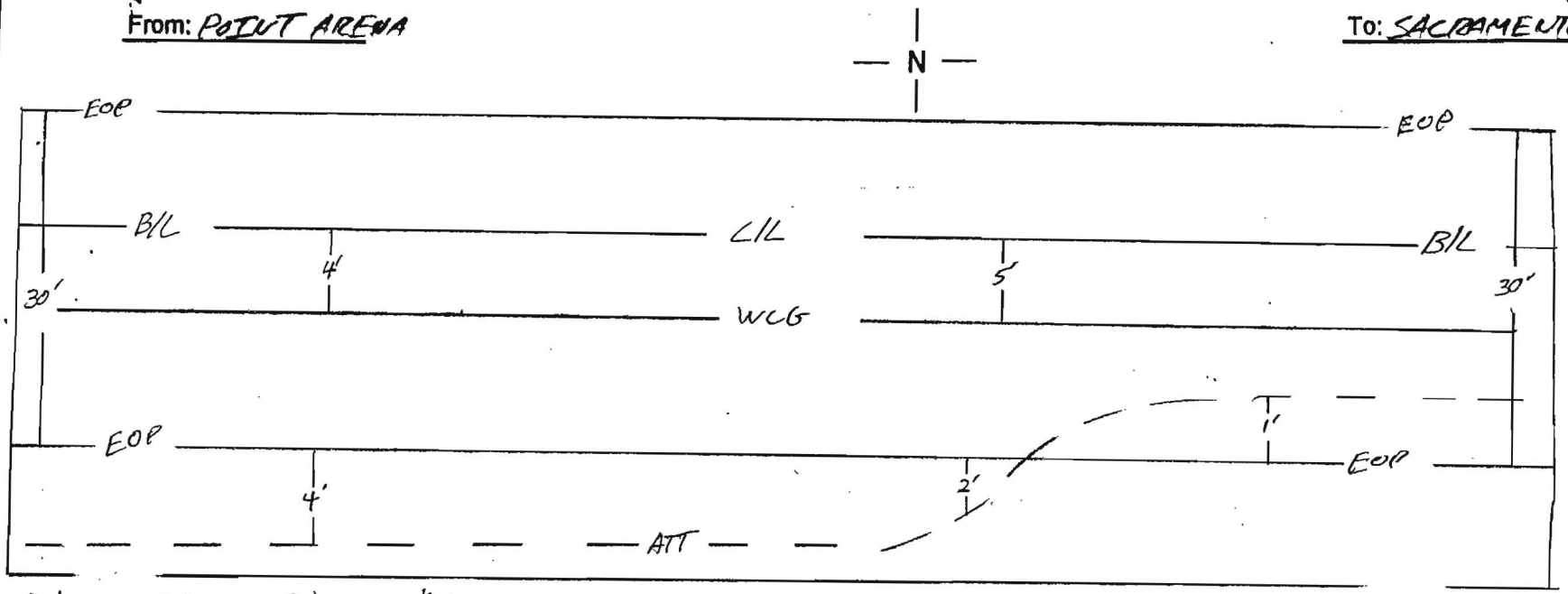
Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154.11

Date: 12-1
Page No. 1 of 2
Drawing #: SARC-91

From: POINT AREMA

To: SACRAMENTO



BEGIN BORE 60+21 6'o/s 48"

60+70 BORE 5'o/s 58"

61+20 BORE 4'o/s 60"

61+70 BORE 3'o/s 60"

62+20 BORE 4'o/s 60"

62+70 BORE 4'o/s 53"

63+20 BORE 5'o/s 54"

63+70 BORE 5'o/s 57"

64+20 BORE 4'o/s 53"

64+23 C/L MAGNOLIA

64+70 BORE 7'o/s 50"

END BORE 65+04 7'o/s 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"

Contractor: TIDWELL
SUB-AMERICAN BORING

Inspector: ERIK BALLING

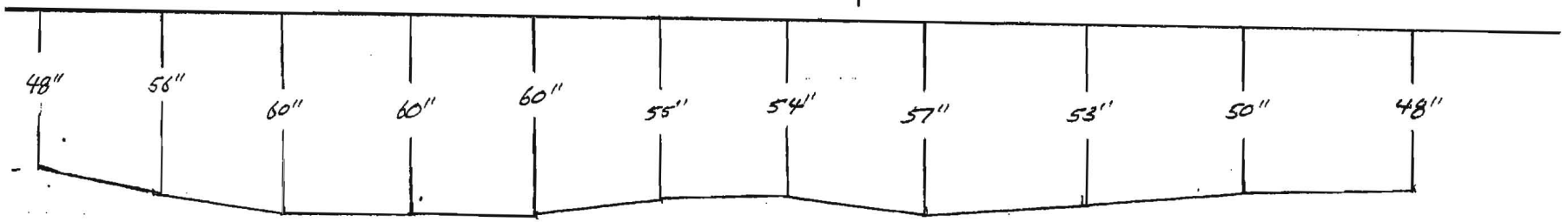
Williams Construc As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154.11

Date: 12-1
Page No. 2
Drawing #: SARC 91

From: POINT ARENA — To: SACRAMENTO

N



BEGIN BORE 60+21 48"
60+70 BORE 56"
61+20 BORE 60"
61+70 BORE 60"
62+20 BORE 60"
62+70 BORE 55"
63+20 BORE 54"
63+70 BORE 57"
64+20 BORE 53"
64+23 C/L MAGNOLIA
64+70 BORE 50"
END BORE 65+04 48"

Notes:

County: SONOMA

Contractor: TIDWELL
SUB-AMERICAN BORING

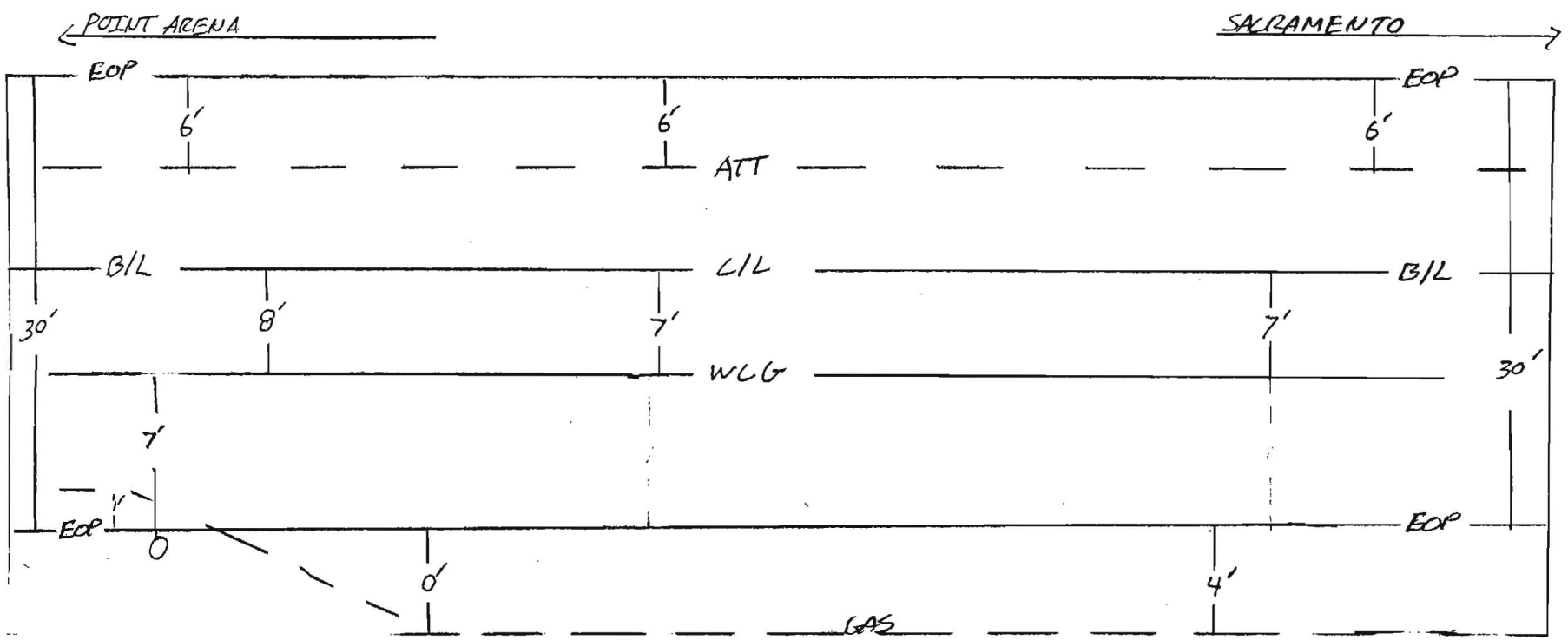
Duct Configuration: 1-ORANGE 1½"
1-BLUE 1¼", 1-BLACK 1¼"

Inspector: ERIK BALLING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

D[illegible]	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
12-2-00	4875	SARC-91, 92	44



BEGIN BORE 65+04 7'@ 48"

65+06 SPLICE 7'@ 48"

65+59 GAS VALVE 7'@

65+60 BORE 6'@ 60"

66+10 BORE 7'@ 63"

66+60 BORE 7'@ 64"

67+10 BORE 7'@ 65"

67+60 BORE 5'@ 64"

68+10 BORE 6'@ 63"

68+60 BORE 7'@ 61"

69+10 BORE 7'@ 64"

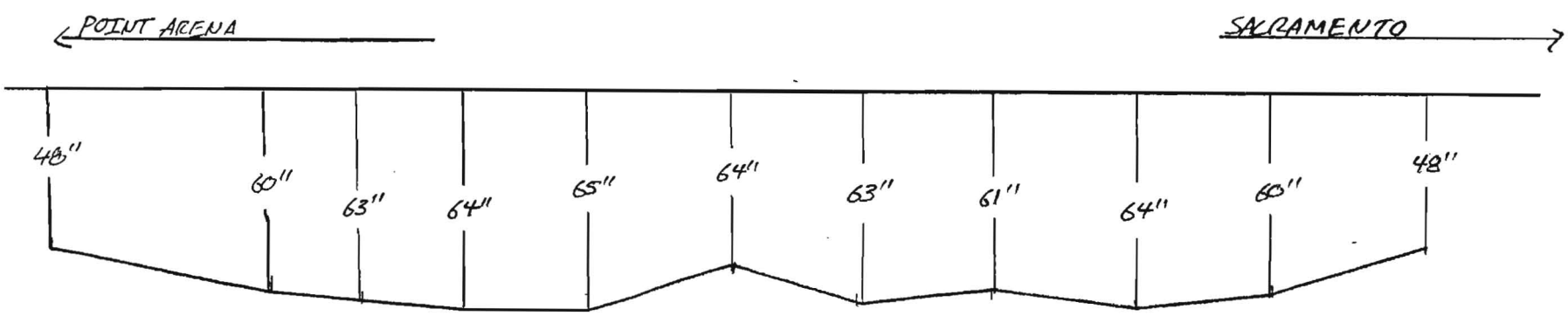
69+60 BORE 7'@ 60"

END BORE 69+98 7'@ 48"

NOTES:	COUNTY:	CONTRACTOR: TIDWELL
	SONOMA	SUB- AMERICAN BORING
	DUCT CONFIGURTION: 1-ORANGE 1 1/2"	INSPECTOR:
	1-BLUE 1 1/2", 1-BLACK 1 1/4"	ERIK BALLING

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
12-2-00	4875	SABC-91, 92	4A



BEGIN BORE 65+04 48"

65+06 SPLICE 48"

65+59 GAS VALVE 7'0/S

65+60 BORE 60"

66+10 BORE 63"

66+60 BORE 64"

67+10 BORE 65"

67+60 BORE 64"

62+10 BORE 63"

68+60 BORE 61"

69+10 BORE 64"

69+60 BORE 60"

END BORE 69+98 48"

NOTES:	COUNTY: SONOMA	CONTRACTOR: TIDWELL SUB- AMERICAN BORING
	DUCT CONFIGURTION: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	INSPECTOR: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

67+49 11' RT. POLE

69+64 23' RT. POLE
69HB W/G MANHOLE
ERIK BALLING 17.71.DD

70+70 12' RT. SANITARY MH

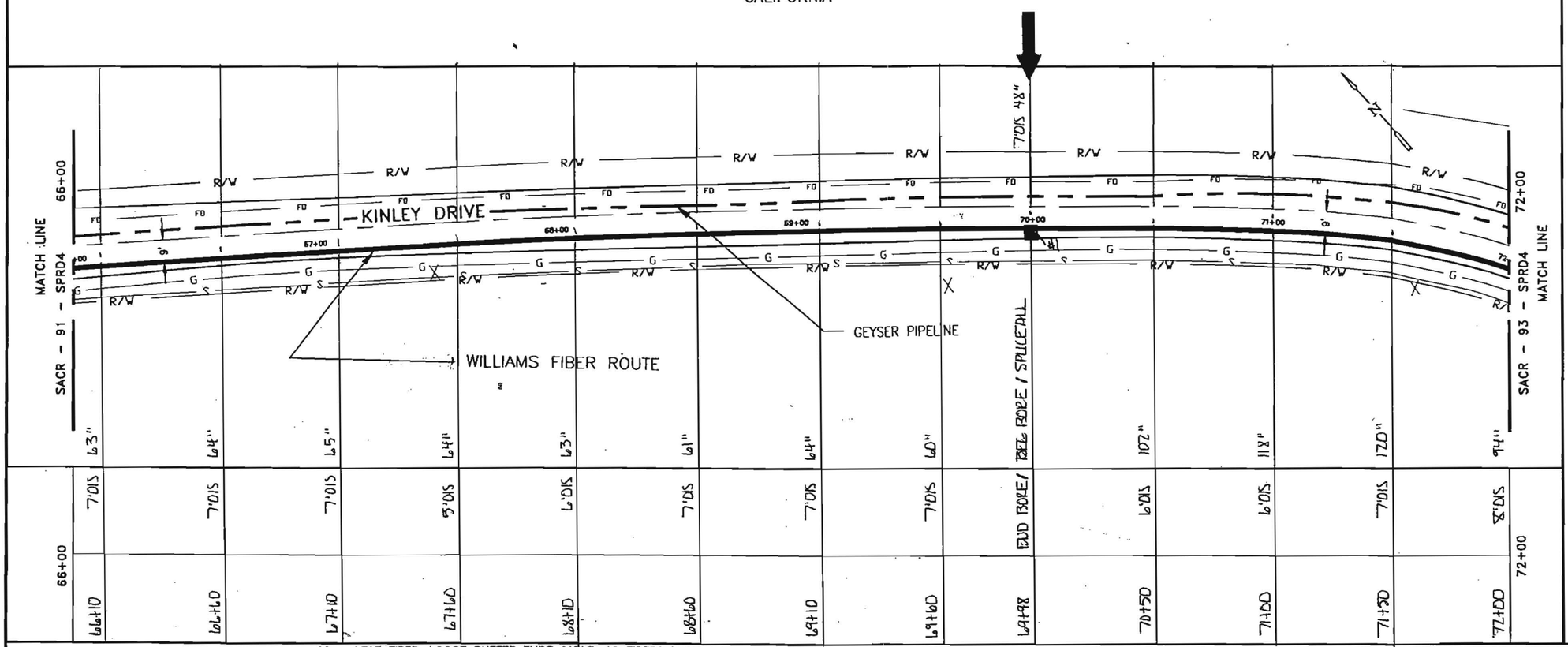
71+64 17' RT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" HDPE, 1-1.5" HDPE, BLUE, 1-1.5" HDPE ORANGE

BLACK

66+00
69+98
398'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
17.7.DD
AMERICAN BORING

69+98
72+00
202'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
17.4.DD
AMERICAN BORING

IN BLACK 1.25" HDPE
CGA TRACER WIRE
GLORIA TABOR
7-9-01

NO CAP

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OR Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS-LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE DESCRIPTION

- CABLE FIBER COUNT MFG. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & INNERDUCT PLACEMENT

- INNERDUCT & TYPE (CORR/SMOOTH/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE UNIT PLACE

- FUTURE-2
- FUTURE-3
- FUTURE-4

Williams COMMUNICATIONS GROUP Network Services

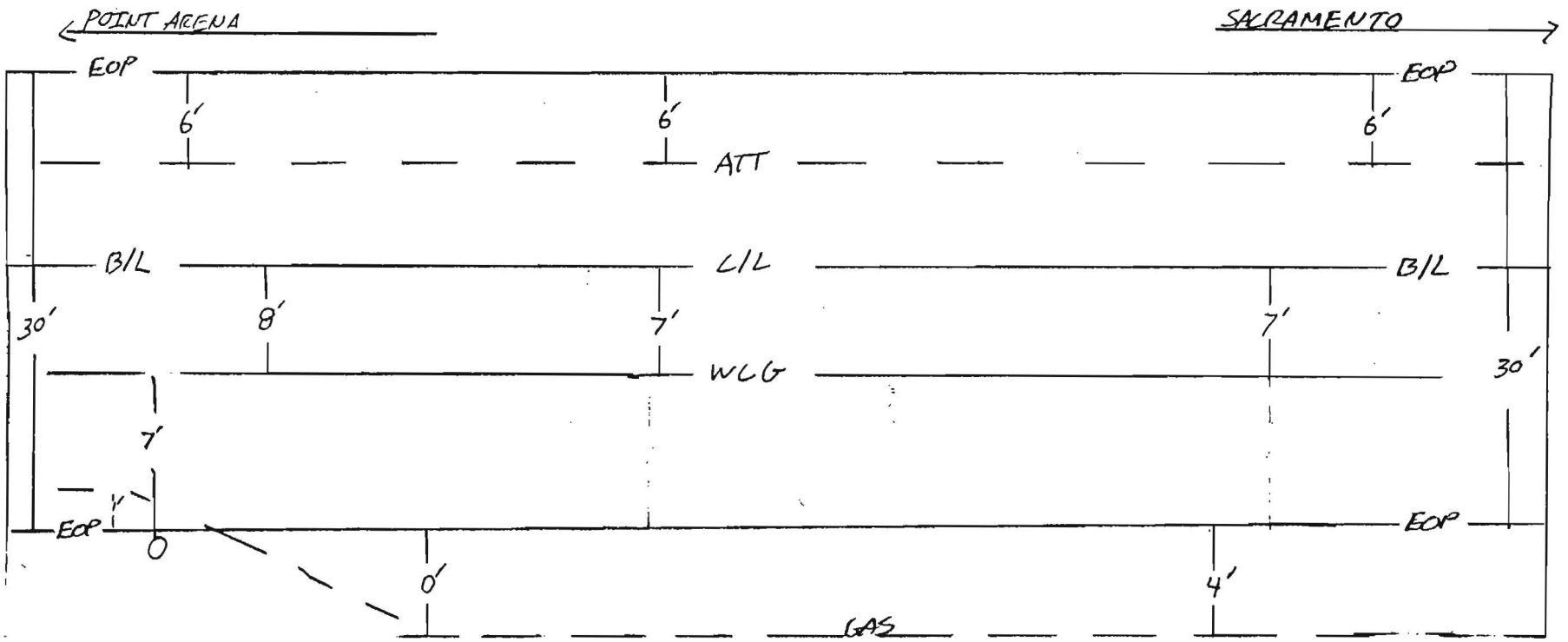
POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-92-SPRD4

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
12-2-00	4875	SABC-91, 92	4A



BEGIN BORE 65+04 7'@ 48"

65+06 SPLICE 7'o/s 48"

65+59 GAS VALVE 7'o/s

65+60 BORE 8'o/s 80"

66+10 BORE 7'o/s 63"

66+60 BORE 7'o/s 54"

67+10 BORE 7'o/s 55"

67+60 BORE 5'o/s 64"

68+10 BORE 6'o/s 53"

68+60 BORE 7'o/s 61"

69+10 BORE 7'o/s 64"

69+60 BORE 7'o/s 80"

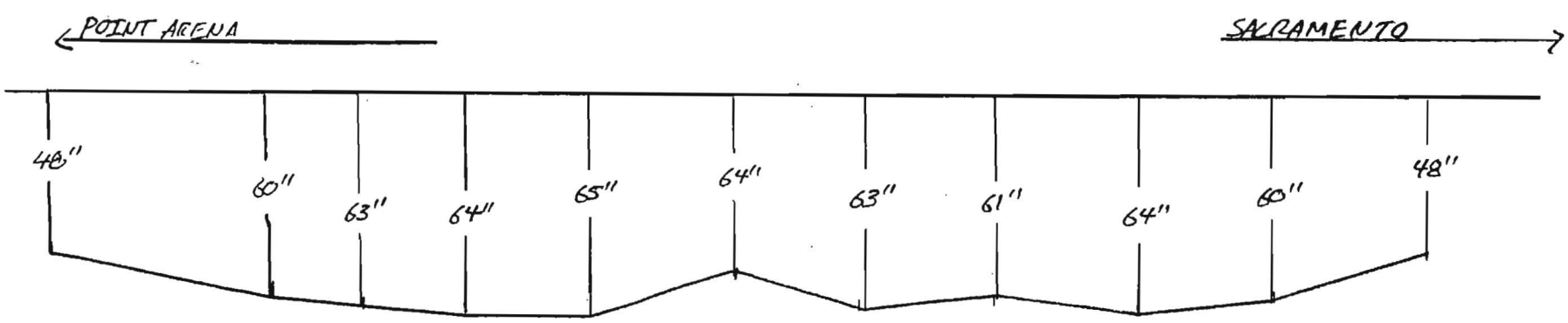
END BORE 69+98 7'o/s 48"

NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL SUB-AMERICAN BORING
	DUCT CONFIGURTION: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	INSPECTOR: ERIK BALLING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SHEET #
12-2-00	4875	SARC-41, 42	4A



48" BEGIN BORE 65+04

48" 65+06 SPLICE

65+59 GAS VALVE 7'0/S

60" 65+90 BORE

63" 66+40 BORE

64" 66+80 BORE

65" 67+40 BORE

64" 67+80 BORE

63" 68+20 BORE

61" 68+60 BORE

64" 69+10 BORE

60" 69+60 BORE

48" END BORE 69+98

NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL
SUB- AMERICAN BORING

DUCT CONFIGURTION: 1-ORANGE 1 1/2"
1-BLUE 1 1/4" 1-BLANK 1 1/4"

INSPECTOR: ERIC BAILING

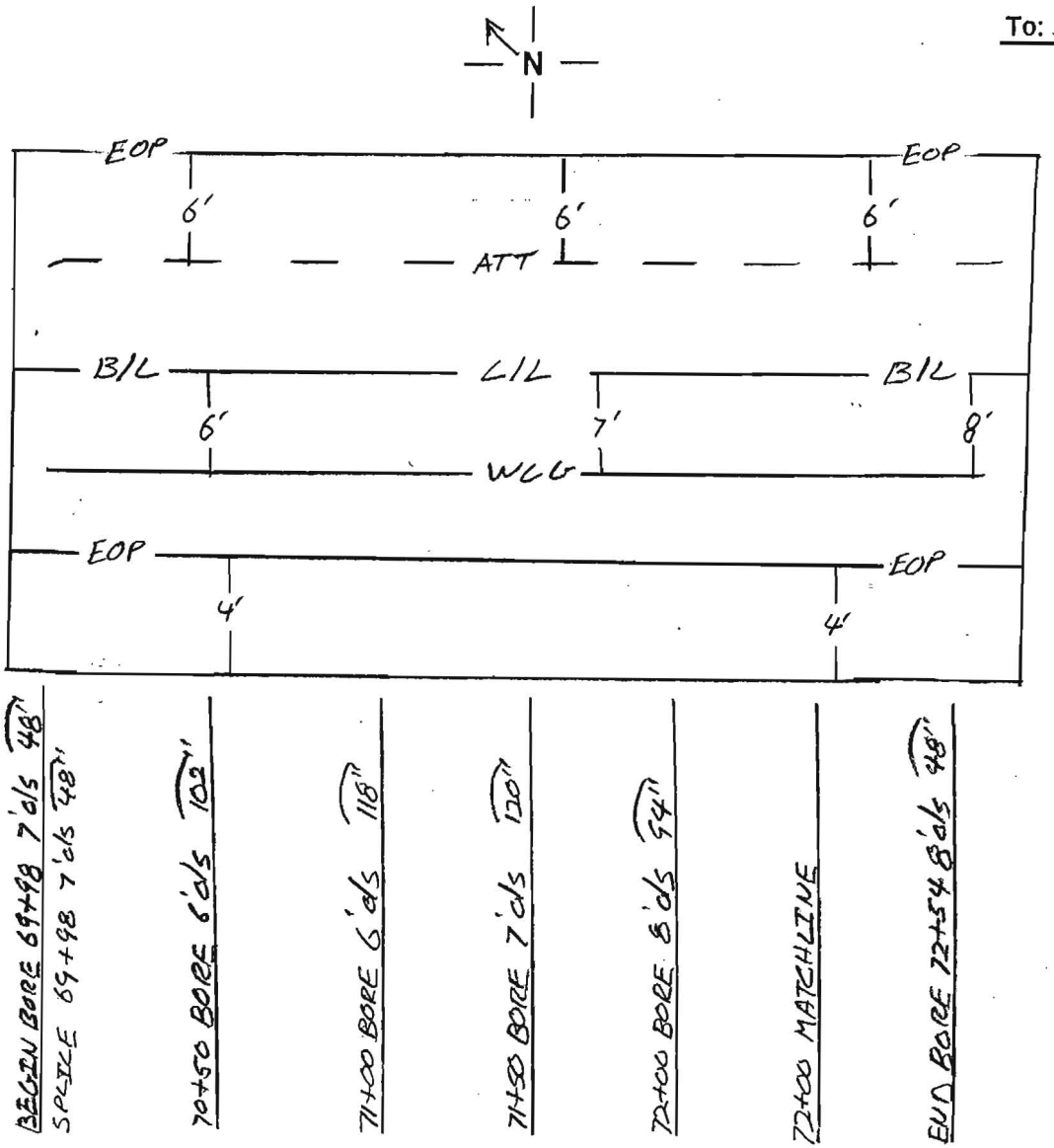
Williams Construction As-Built Documentation

Spread Location: HEALDSBURG
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

Date: 12-4-00
Page No. 1 of 2
Drawing #: SARC-92, 93

From: POINT AREMA

To: SACRAMENTO



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2

Contractor: TIDWELL SUB-AMERICAN BORING

Inspector:

Williams Construction As-Built Documentation

Spread Location: HEALDSBURG
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]0
Page No. 1 of 2
Drawing #: SARC-92, 93

From: POINT ARENA

To: SACRAMENTO

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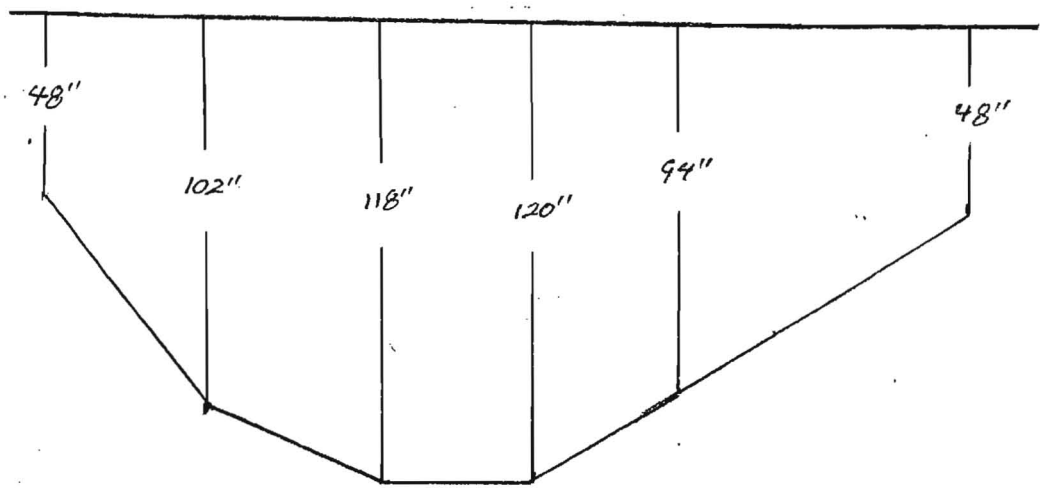


BEGIN BORE 69+98 7'o/s
SPLICE 69+98 7'o/s 48"
70+50 BORE 6'o/s 102"
71+00 BORE 6'o/s 118"
71+50 BORE 7'o/s 120"
71+00 BORE 8'o/s 94"
71+00 MATCHLINE
END BORE 72+54 8'o/s 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2"
1-BLUE 1 1/2", 1-BLACK 1 1/4"

Contractor: TIDWELL
SUB-AMERICAN BORING

Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

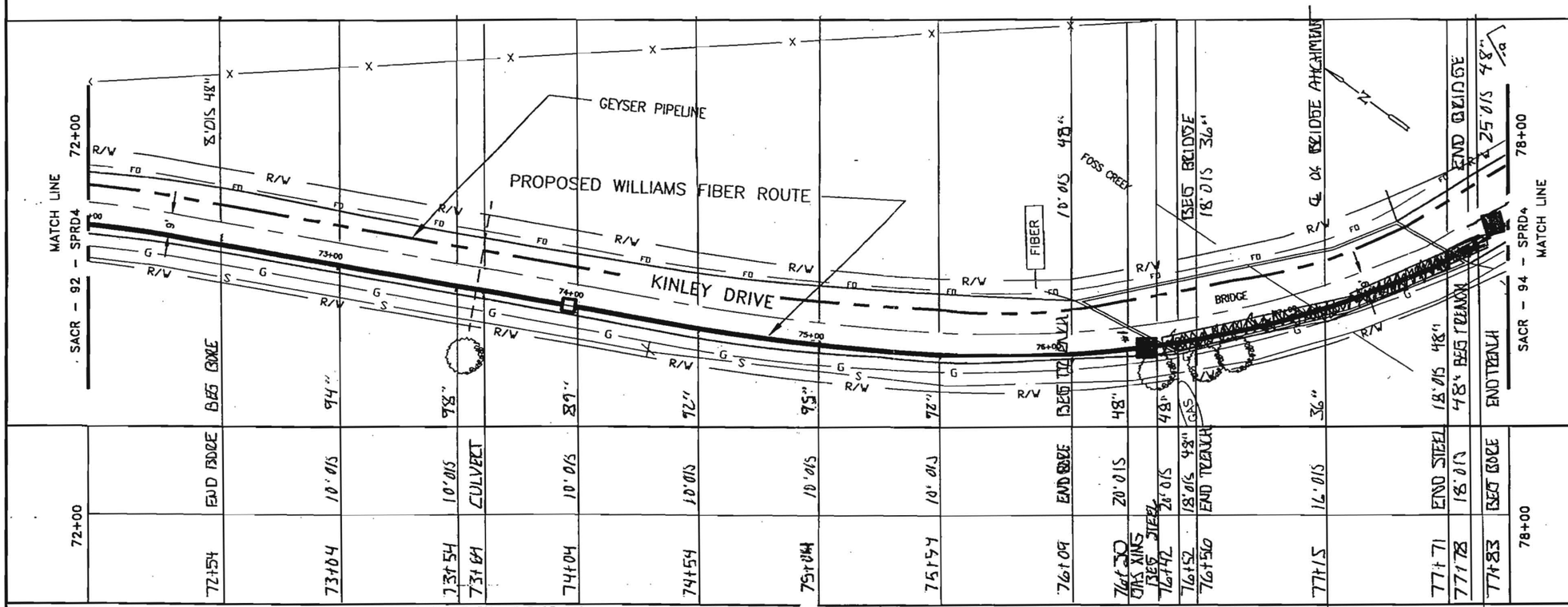
73+61 17' RT. CULVERT
73+61 3' LT. CULVERT
73+61 36' LT. CULVERT
73+97 3' LT. STEEL PIPE
73+99 3' LT. PLACE MANHOLE
74+02 3' LT. STEEL PIPE
74+34 12' RT. POLE
75+90 11' RT. SANITARY MH
75+95 27' LT. FIBER MARKER
76+11 21' LT. BRIDGE
76+39 HANDHOLE 20' DIS
76+43 3' LT. BRIDGE
76+52 4' RT. BRIDGE
76+55 34' RT. GAS MARKER
77+10 3' LT. C/L FOSS CREEK
77+56 23' LT. BRIDGE
77+71 3' LT. BRIDGE
77+78 6' RT. BRIDGE
77+86 21' RT. POLE
77+99 37' RT. SANITARY MH
77+93 HANDHOLE 25' DIS

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

72+00	72+54	76+09	77+78
72+54	76+09	77+78	78+00
54'	355'	169'	22'
2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12-4-00 AMERICAN BORING	BORE 2-1.5" HDPE 1-1.25" HDPE 2-23-01 JEFF MCKOY TIDWELL	BRIDGE ATTACHMENT 2-1.5" HDPE 1-1.25" HDPE 4-10-01 JEFF MCKOY TIDWELL	BORE 2-1.5" HDPE 1-1.25" HDPE 2-26-01 JEFF MCKOY TIDWELL
		IN BLACK 1.25" HDPE GSA TRACER WIRE GLORIA TABOR 7-9-01	

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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1-800-227-2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-93-SPRD4

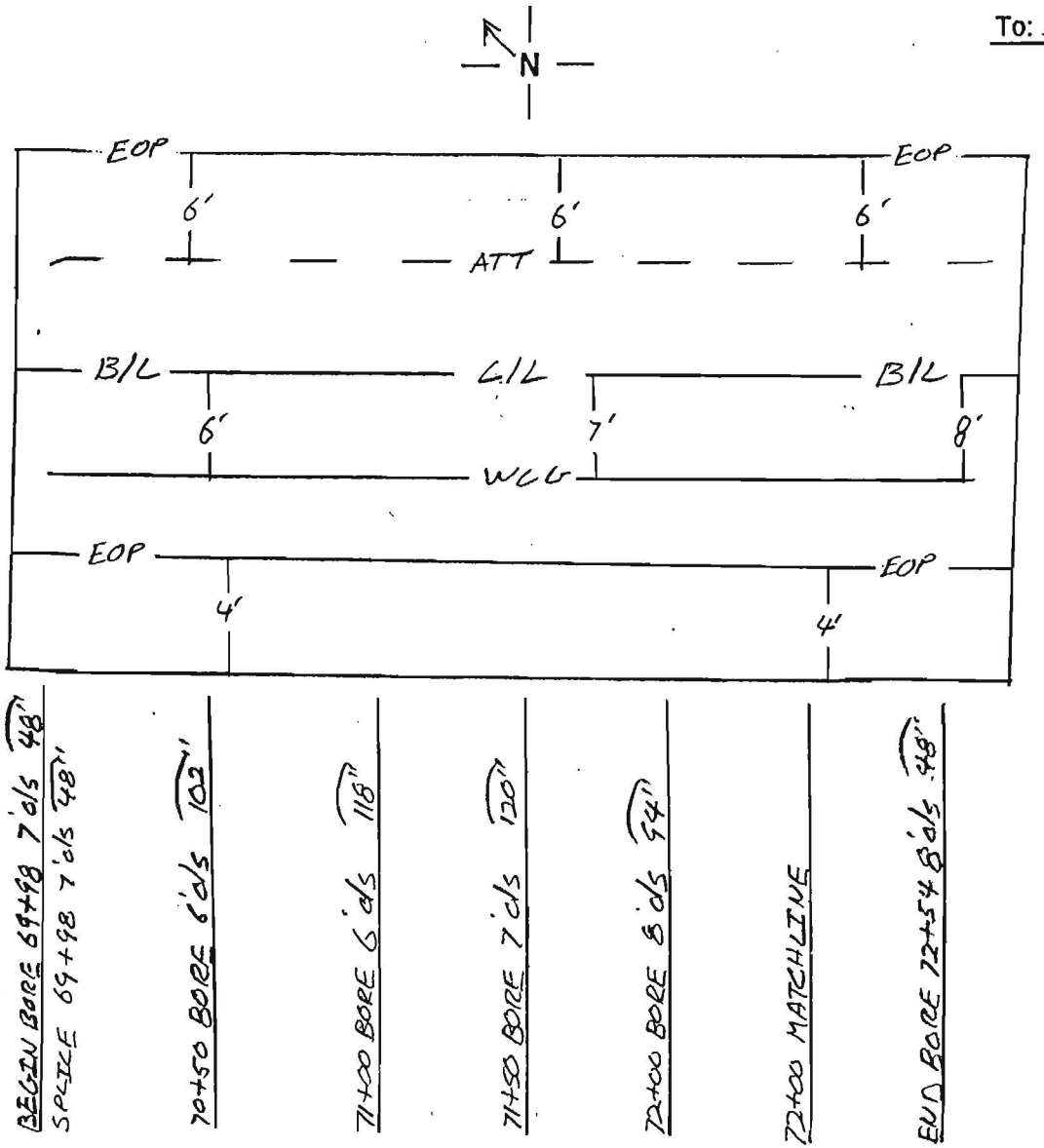
Williams Construction As-Built Documentation

Spread Location: HEALDSBURG
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-
Page No. 1 of 2
Drawing #: SARC-92, 93

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1 1/2 1-BLUE 1 1/2", 1-BLACK 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

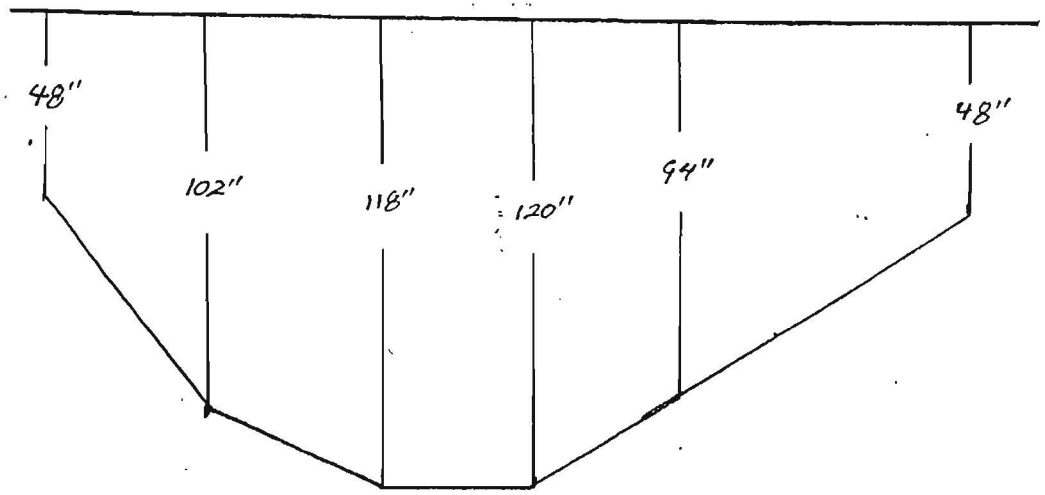
Spread Locat. HEALDSBURG
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

Date: 12-4-00
Page No. 2
Drawing #: SARC-92, 93

From: POINT ARENA

N

To: SACRAMENTO



BEGIN BORE 69+98 7'o/s
SPLICE 69+98 7'o/s 48"
70+50 BORE 6'o/s 102"
71+00 BORE 6'o/s 118"
71+50 BORE 7'o/s 120"
71+00 BORE 8'o/s 94"
71+00 MATCHLINE
END BORE 72+54 8'o/s 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½"
1-BLUE 1½", 1-BLACK 1¼"

Contractor: TIDWELL
SUB-AMERICAN BORING

Inspector: ERIK BILLING

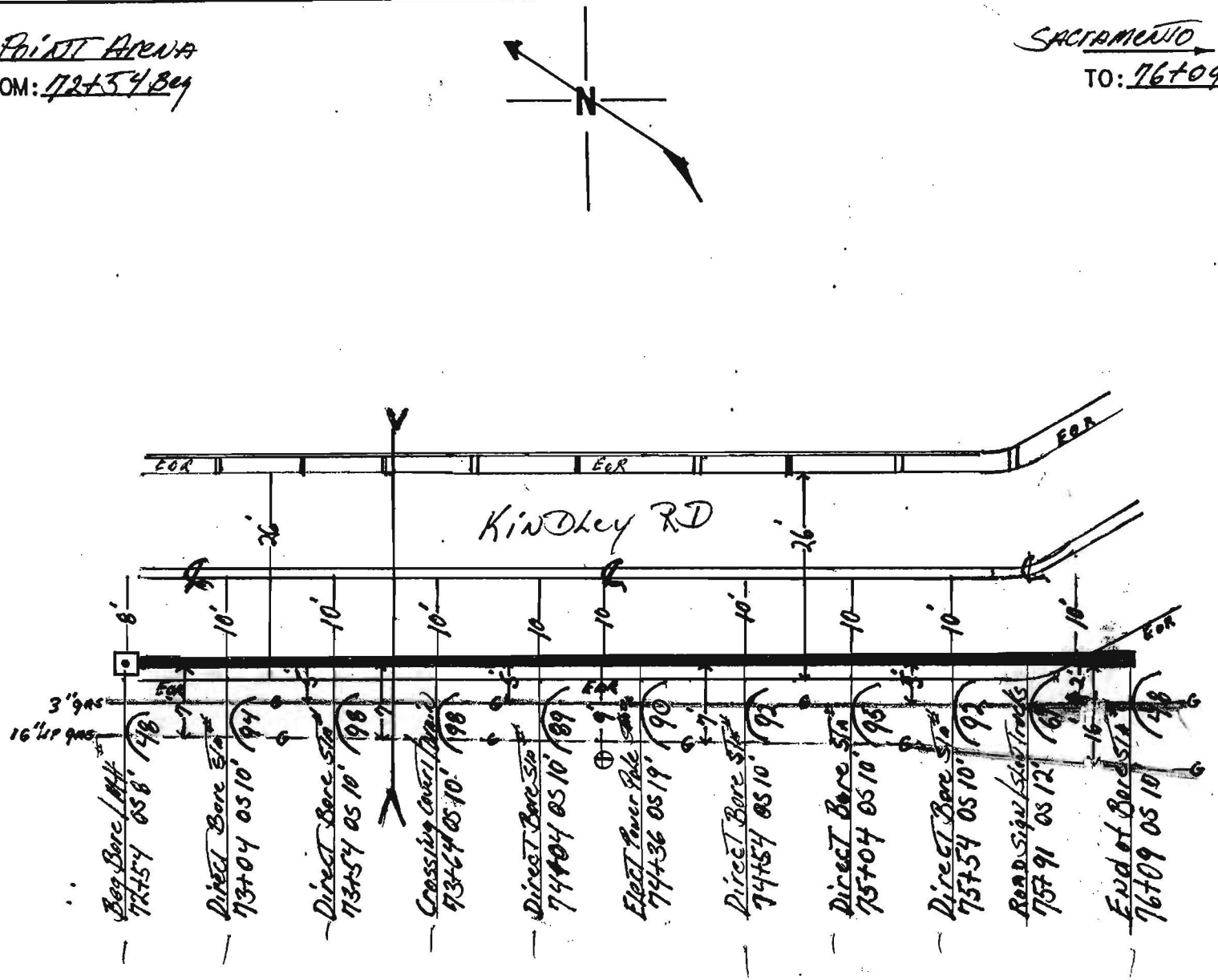
Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD #
02-23-01	4A-4875	093	4A

POINT ARENA
FROM: 72+54 Beg

SACRAMENTO
TO: 76+09 END



NOTES: Direct Bore As built - KINDLEY RD
355'

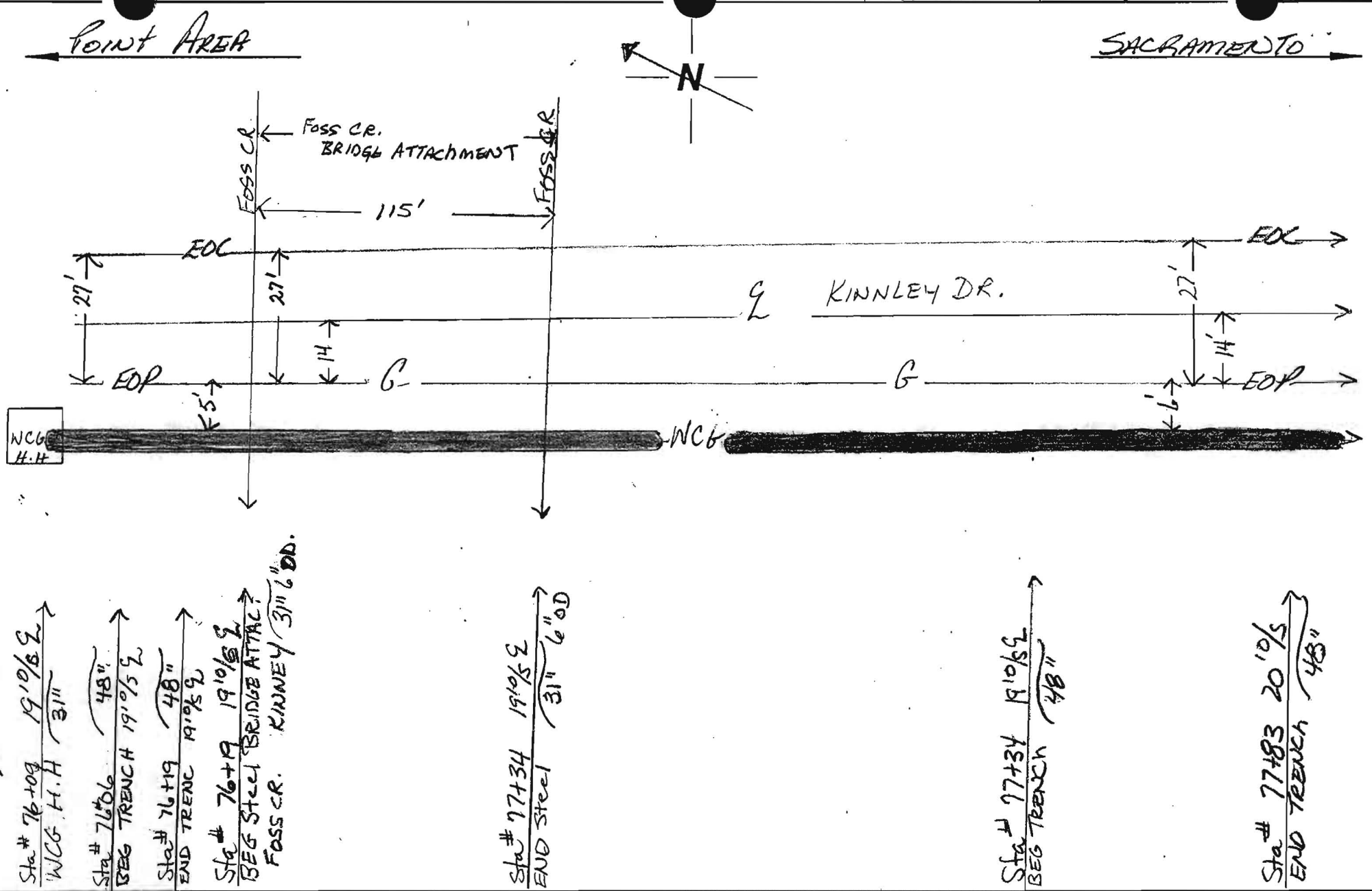
COUNTY: SONOMA

CONTRACTOR: TIDWELL

DUCT CONFIGURATION: 1-1.5" Blue 1-1.5" Orange 1-1.25" Black

INSPECTOR: Jeff D McKay

Williams CONSTRUCTION AS-BUILT DOCUMENTATION | 6-6-01 | 99P154.11 | 93 | 4A



NOTES: BRIDLE ATTAMENT Sta # 76+19 To Sta # 77+34
FOSS CR. ON KINLEY STEEL 116' HEALDSBURG. Ca.
TIE-IN STA # 76+06 AND Sta # 77+83
PAGE OF

COUNTY: SONOMA

CONTRACTOR: TIDWELL

DUCT CONFIGURATION: (2) 1½ (1) 1¼ H.D.P.E.

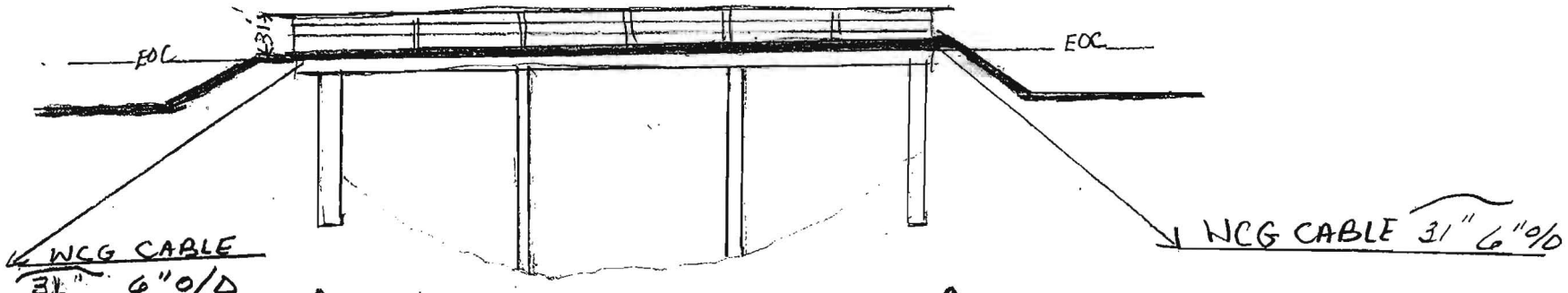
INSPECTOR: GLORIA TABOR

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT		
6-6-01	99P154.11	93	A

POINT ARENA ← N → SACRAMENTO

FOSS CR. BRIDGE ATTACMENT ON KINNLEY

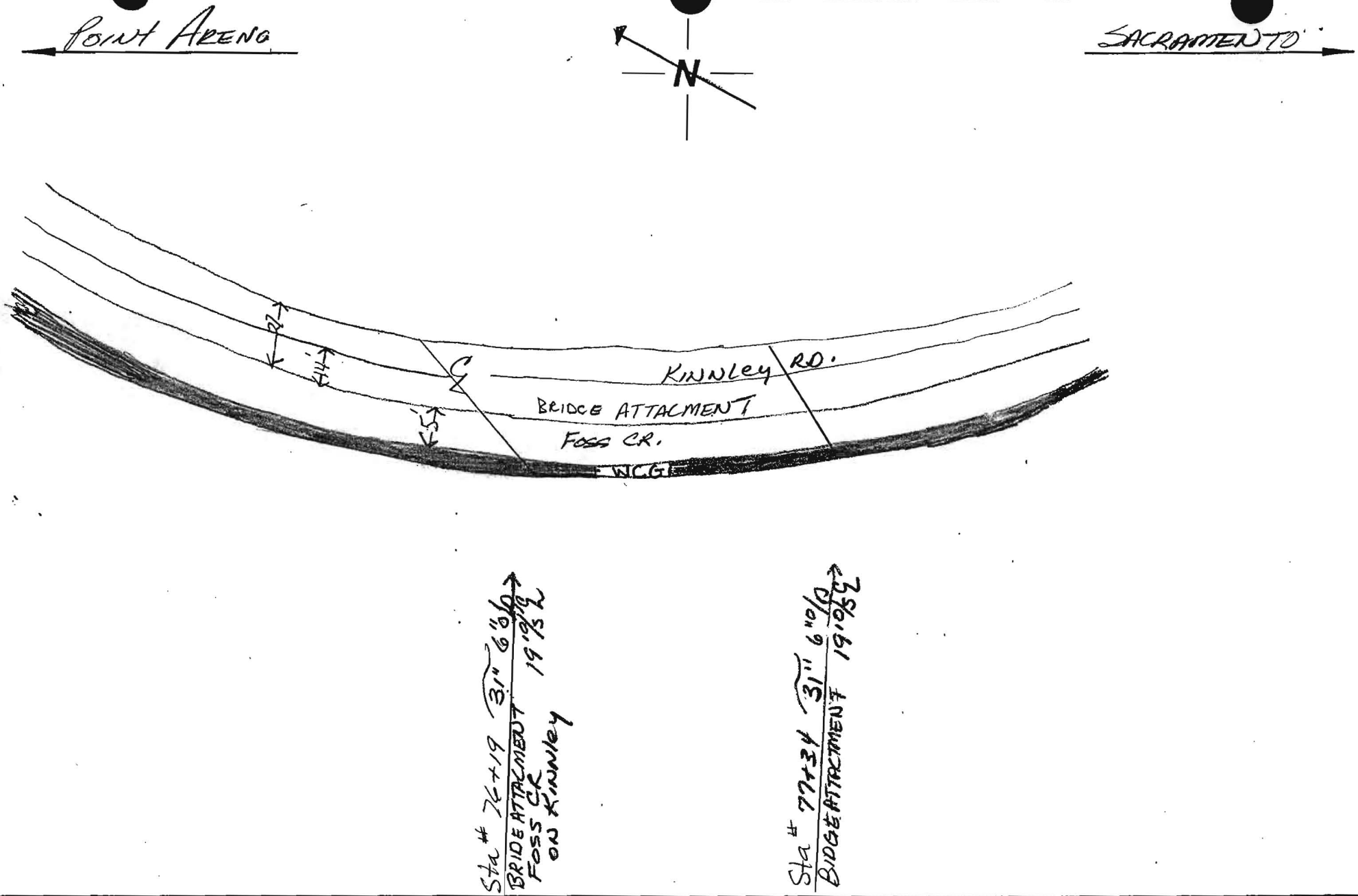


Sta # 76+19 31" 6"O/D BRIDGE ATTACHMENT 19%S

Sta # 77+34 31" 6"O/D BRIDGE ATTACHMENT 19%S

NOTES:	COUNTY:	CONTRACTOR:
BRIDE ATTACTMENT FOSS CR. ON KINNLEY DR. HEALDSBURG, Ca.	SONOMA	TIDWELL
	DUCT CONFIGURATION:	INSPECTOR:
PAGE OF	6" Steel (2) 1½ (1) 1¼ HDPE	GLORIA TABOR

Williams CONSTRUCTION AS-BUILT DOCUMENTATION | 6-6-01 | 99P154.11 | 93 | 4A

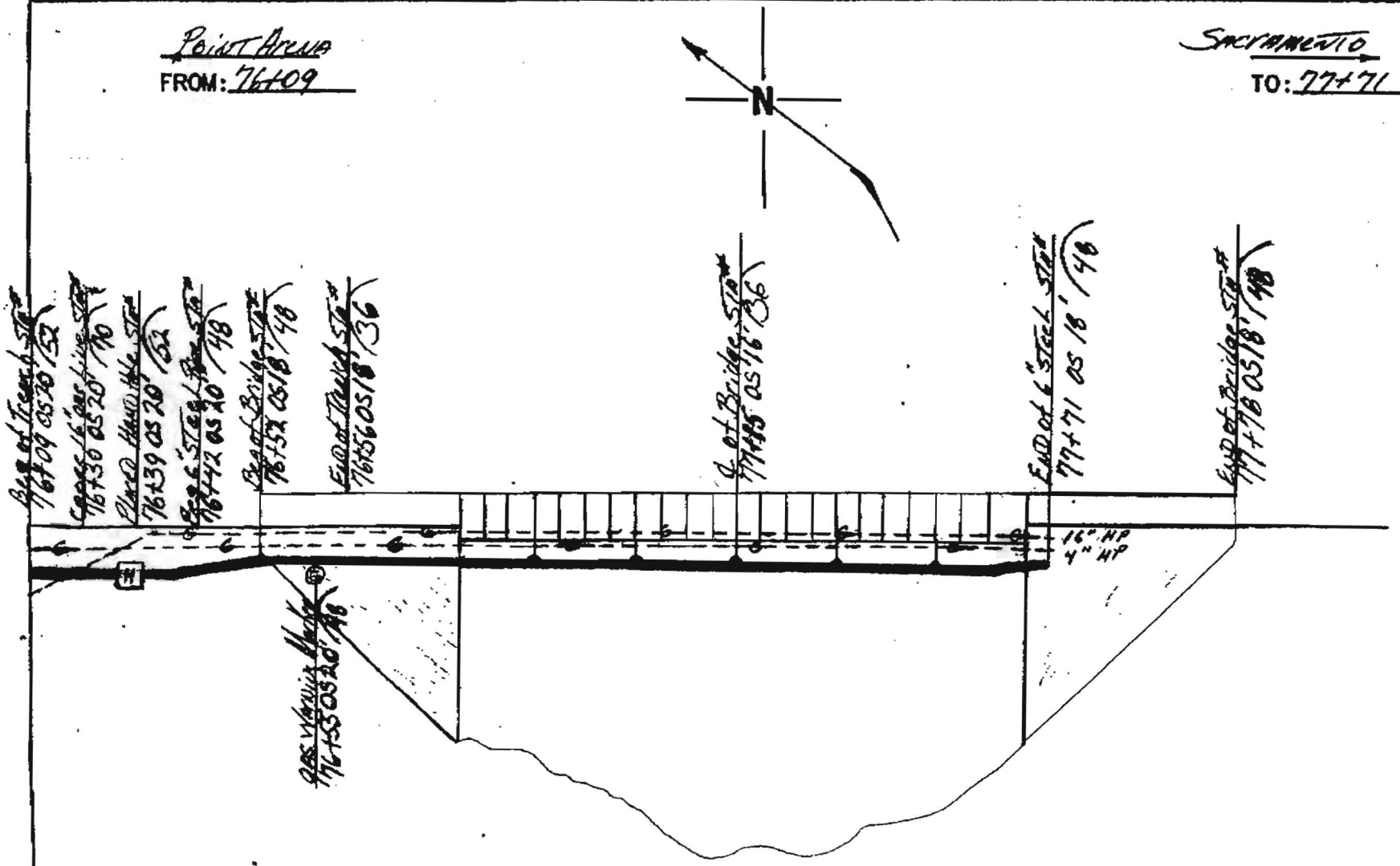


NOTES: BRIDE ATTACTMEN FOSS CR. ON KINNEY DR HEALDSBURG. CA.	COUNTY: Sonoma	CONTRACTOR: TIDWELL
	DUCT CONFIGURATION: 6" STEEL (2) 1½ (1) 1¼ H.D.P.E.	INSPECTOR: GLORIA TABOR
PAGE OF		

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD
		04-10-01	4875	W-93	4A

Point Arena
FROM: 76+09

Sacramento
TO: 77+71

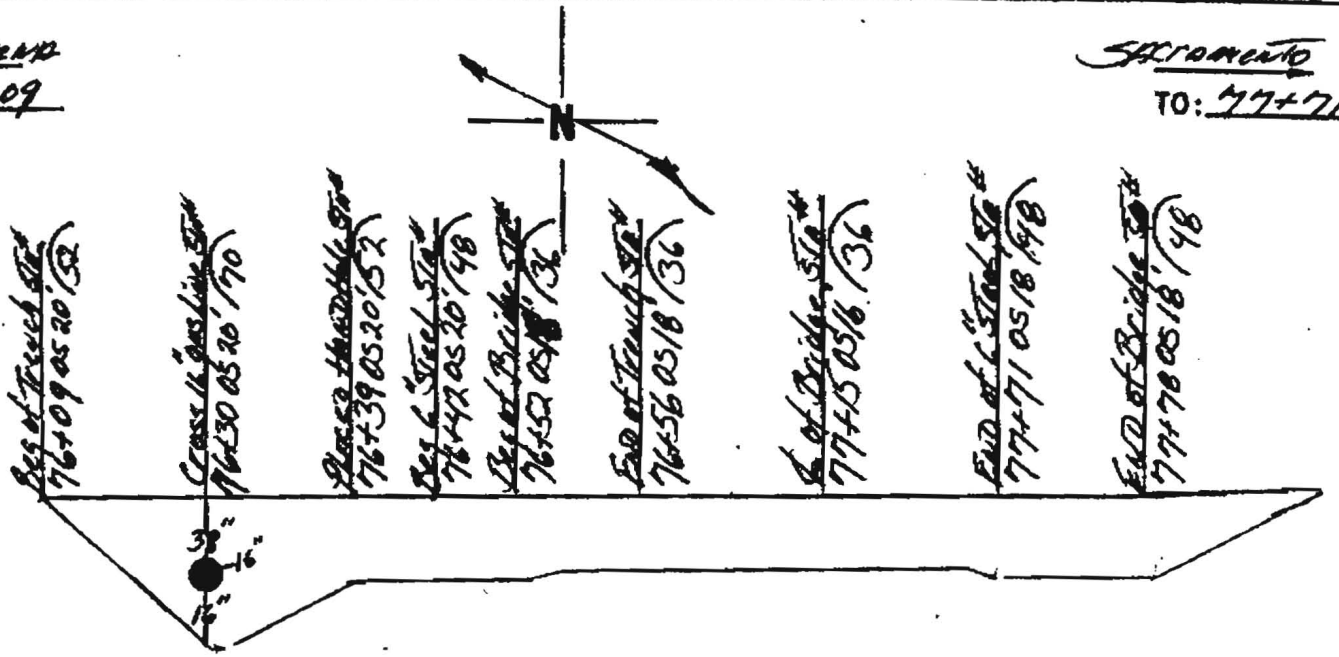


NOTES: Direct Bore of - Dr Healdsburg AA Trench & Bridge Attachment on Kinley Rd.	COUNTY: Sonoma	CONTRACTOR: T.D. Well
	DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black	INSPECTOR: Jeff D McKoy

WILLIAMS	CONSTRUCTION AS-BUILT DOCUMENTATION	DWG	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD
		4-10-01	4875	W-93	40

Point Arena
FROM: 76+09

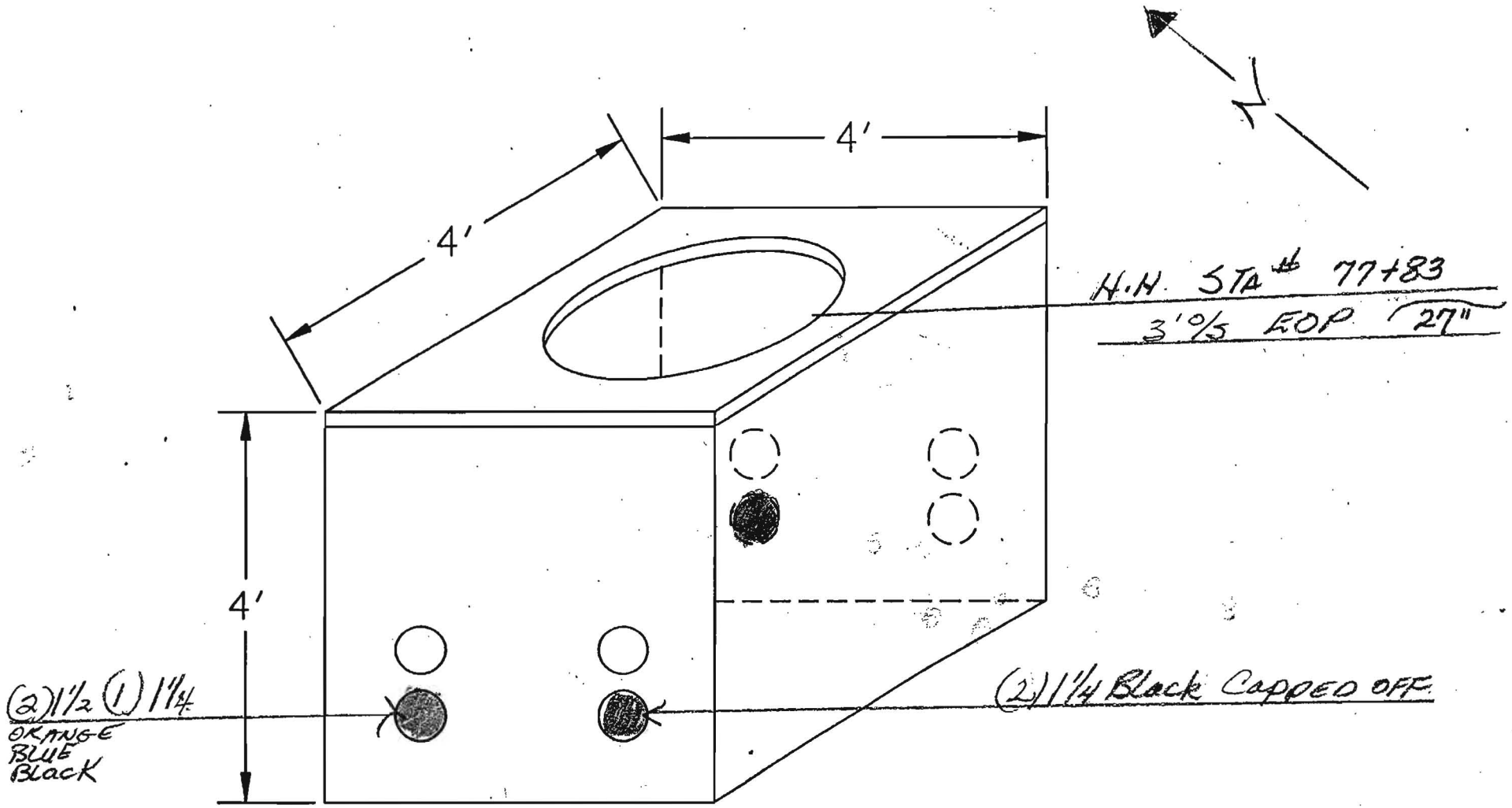
Sacramento
TO: 77+71



NOTES:	COUNTY:	CONTRACTOR:
Profile asbuilt crossing 16" HP gasline. See Direct Asbuilt Dated 4-10-01	SONOMA	TODHILL
	DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black	INSPECTOR: JOHN McKay

WILLIAMS CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
6-6-01	99P154.11	93	4A



NOTES: ORANGE - BLUE - Black Bottom Road SIDE

(2) Black Capped OFF FIELDSIDE ENTRANCE

PAGE OF

COUNTY: Sonoma

DUCT CONFIGURATION:

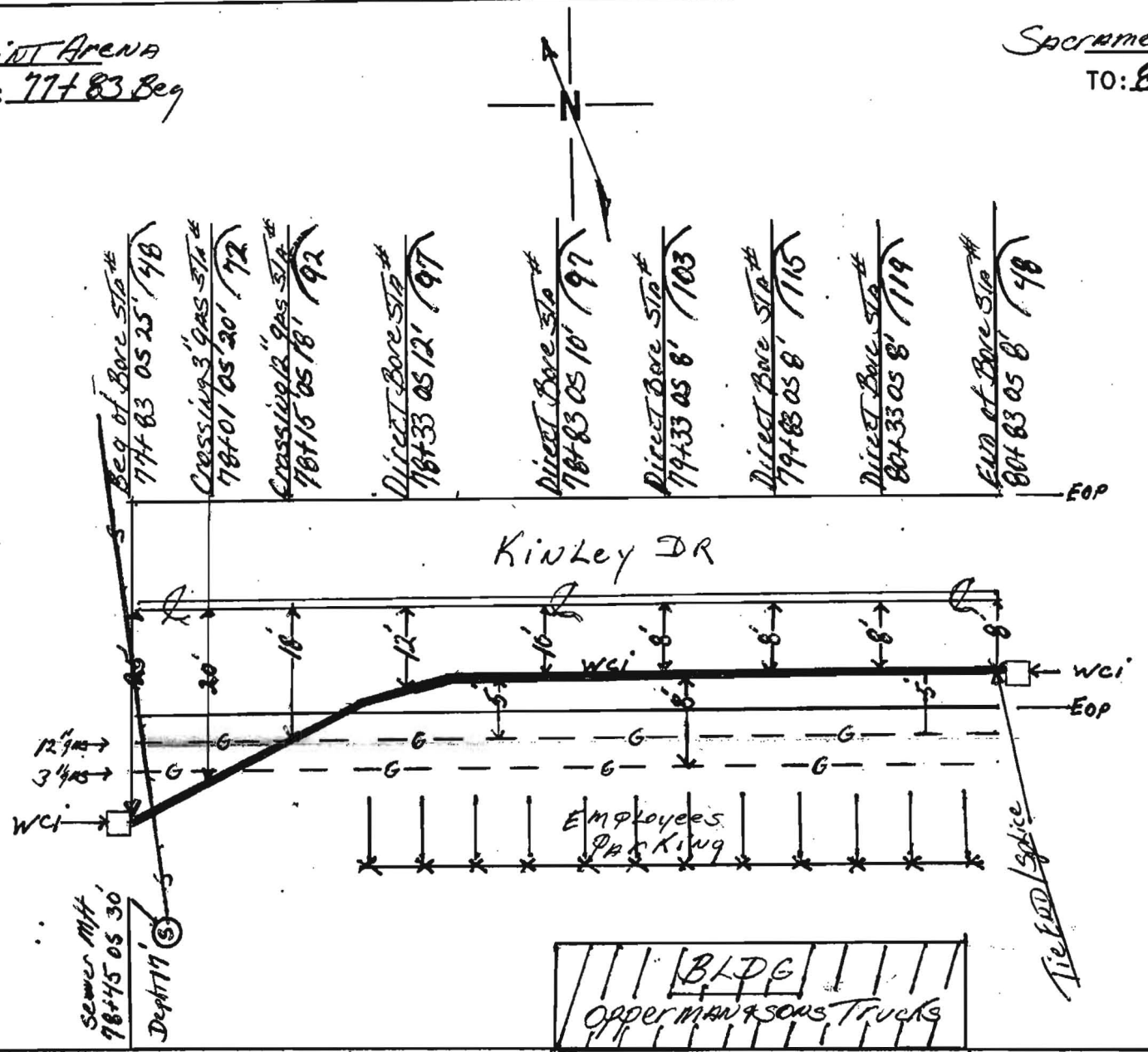
CONTRACTOR: Tidwell

INSPECTOR: GLORIA TABOR

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD #
	02-26-01	4875	094	7A

Point Arena
FROM: 77+83 Beg

Sacramento
TO: 80+83 End

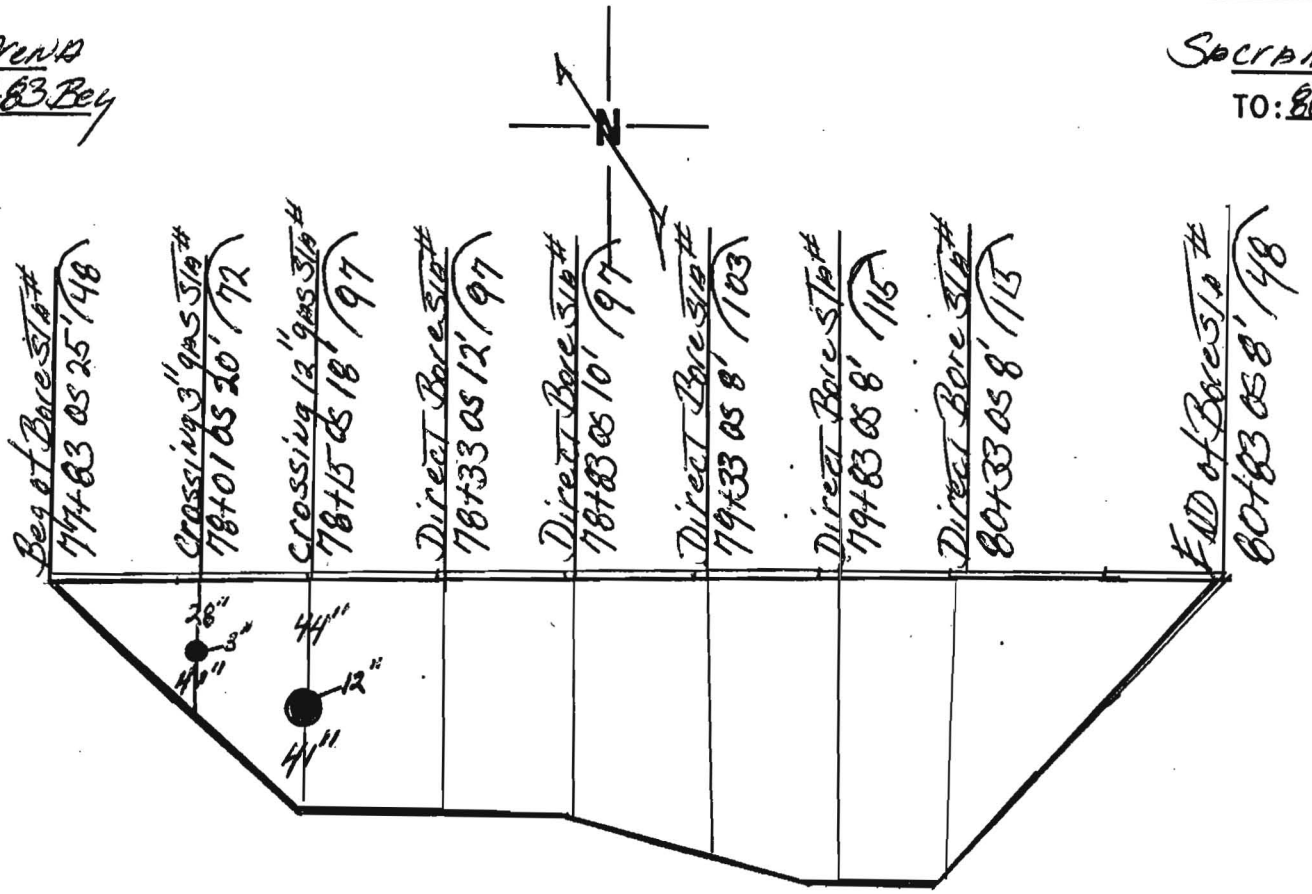


NOTES:	COUNTY:	CONTRACTOR:
Direct Bore As-built KINLEY DR 300'	SONOMA	TIDWELL
	DUCT CONFIGURATION: 1-1.5" Orange 1-1.5" Blue 1-1.25" Black	INSPECTOR: Todd McKay

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 02-26-01	PROJECT # 4875	DWG / ALIGNMENT SHEET 094	SPREAD # 7A

Point Arena
FROM: 77+83 Bey

Sacramento
TO: 80+83 End



NOTES: Direct Profile Asbuilt Crossing 3" gas & 12" gas. See Asbuilt Dated 02-26-01	COUNTY: Sonoma	CONTRACTOR: TiDwell
	DUCT CONFIGURATION: 1.5 orange 1.5 Blue 1.25 Black	INSPECTOR: Jeff D McKoy

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

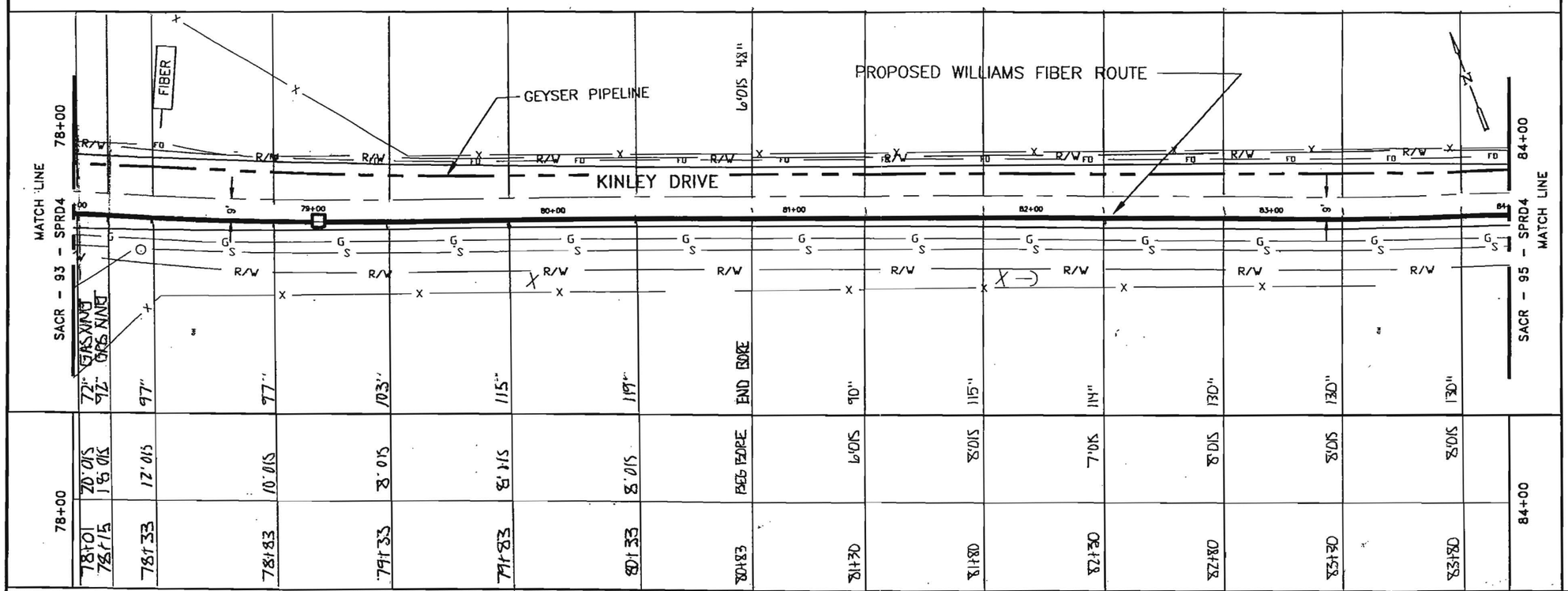
78+29 14' RT. SANITARY MH
78+34 36' LT. FIBER MARKER
78+35 29' LT. FIBER MARKER
78+37 32' RT. FENCE CORNER
78+99 3' LT. STEEL PIPE
79+02 3' LT. PLACE MANHOLE
79+04 3' LT. STEEL PIPE
79+91 25' RT. POLE
81+67 24' RT. POLE
83+03 13' RT. SANITARY MH
83+43 27' RT. FENCE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
1-1.25" HDPE BLACK, 1-1.5" HDPE BLUE, 1-1.5" HDPE ORANGE

78+00
80+83
2.83'
BORE
2-1.5" HDPE
1-1.25" HDPE
JEFF MCKOY
2-26-01
TIDWELL

80+83
84+00
317'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLOG
12-6-00
AMERICAN BORING

IN BLACK 1.25" HDPE
6GA. TRACER WIRE
GLORIA TAGOE

7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- C.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

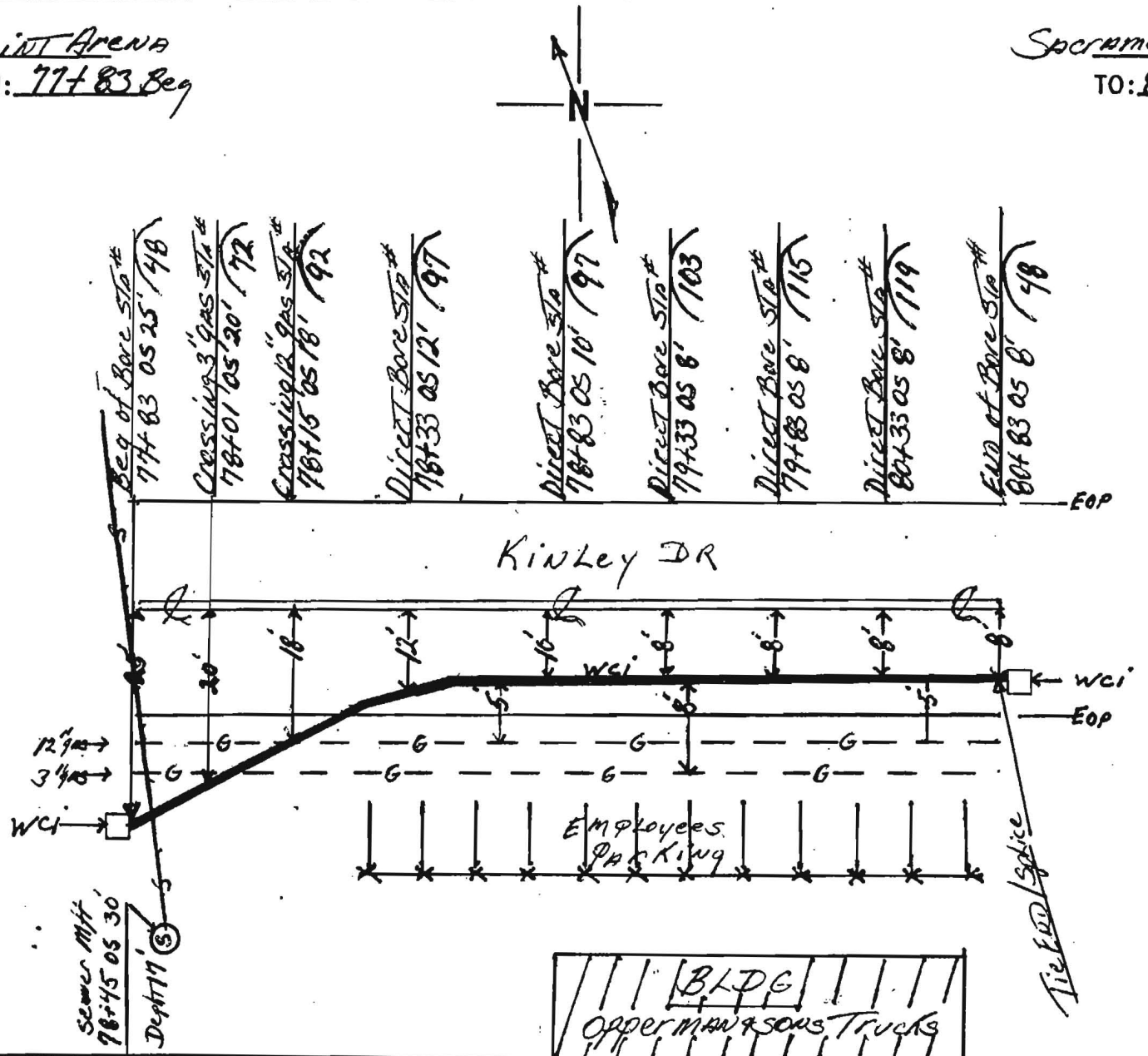
DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-94-SPRD4

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG / ALIGNMENT SHEET	SHEET #
02-26-01	4875	094	1 of 2

Point Arena
FROM: 77+83 Beg

Sacramento
TO: 80+83 END



NOTES: Direct Bore As-built KINLEY DR 300'

COUNTY: SONOMA

CONTRACTOR: TIDWELL

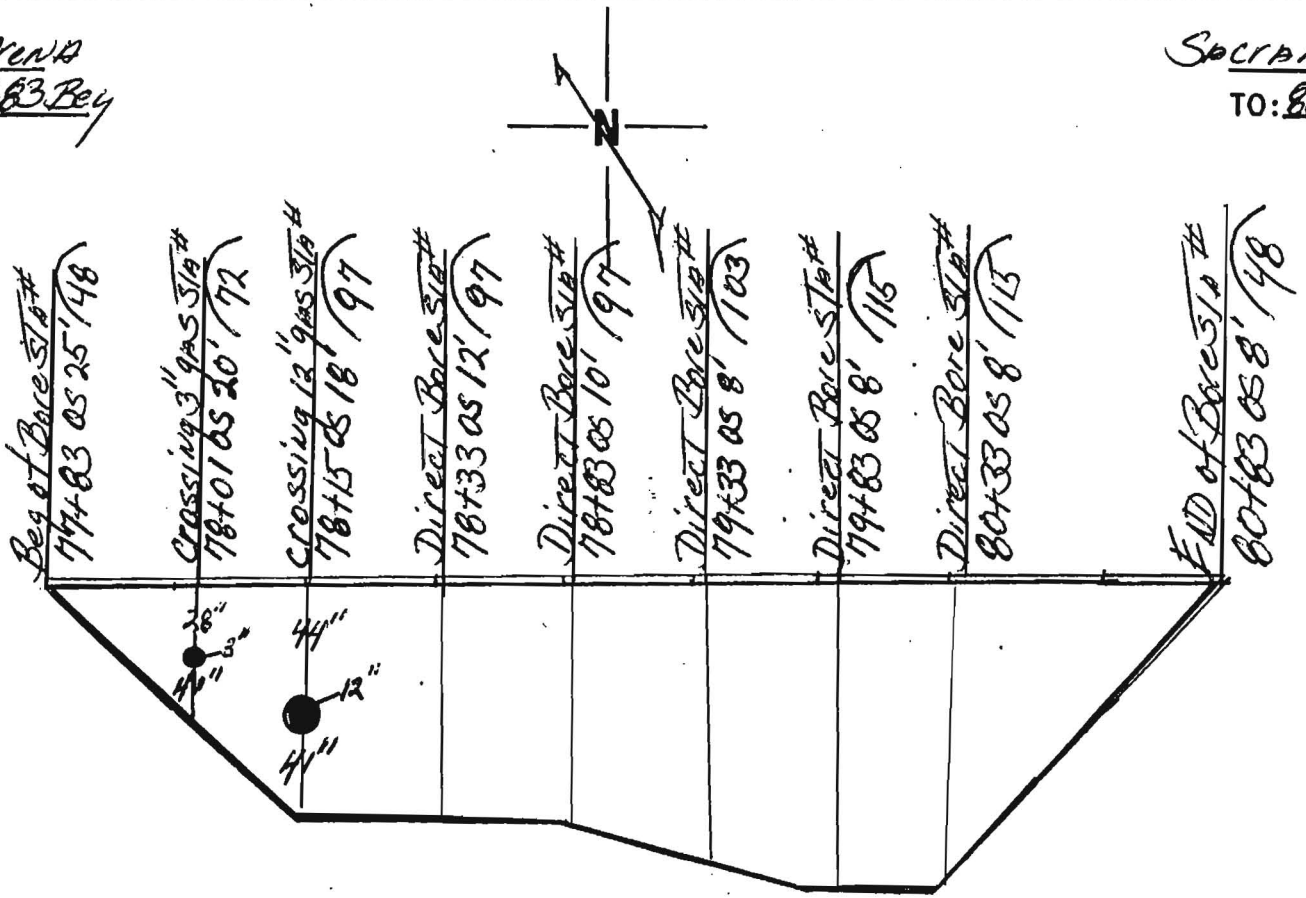
DUCT CONFIGURATION: 1-1.5" Orange 1-1.5" Blue 1-1.25" Black

INSPECTOR: Jeff D McKay

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 02-26-01	PROJECT # 4873	094	1-4

FROM: Point Arena 27+63 Beg

TO: Sacramento 80+83 End



NOTES: Direct Profile ASbuilt Crossing 3" qpsk & 12" qpsk. See ASbuilt Dated 02-26-01	COUNTY: SONOMA	CONTRACTOR: TIDWELL
	DUCT CONFIGURATION: 15 Orange / 3 Blue / 25 Black	INSPECTOR: Jeff D McKoy

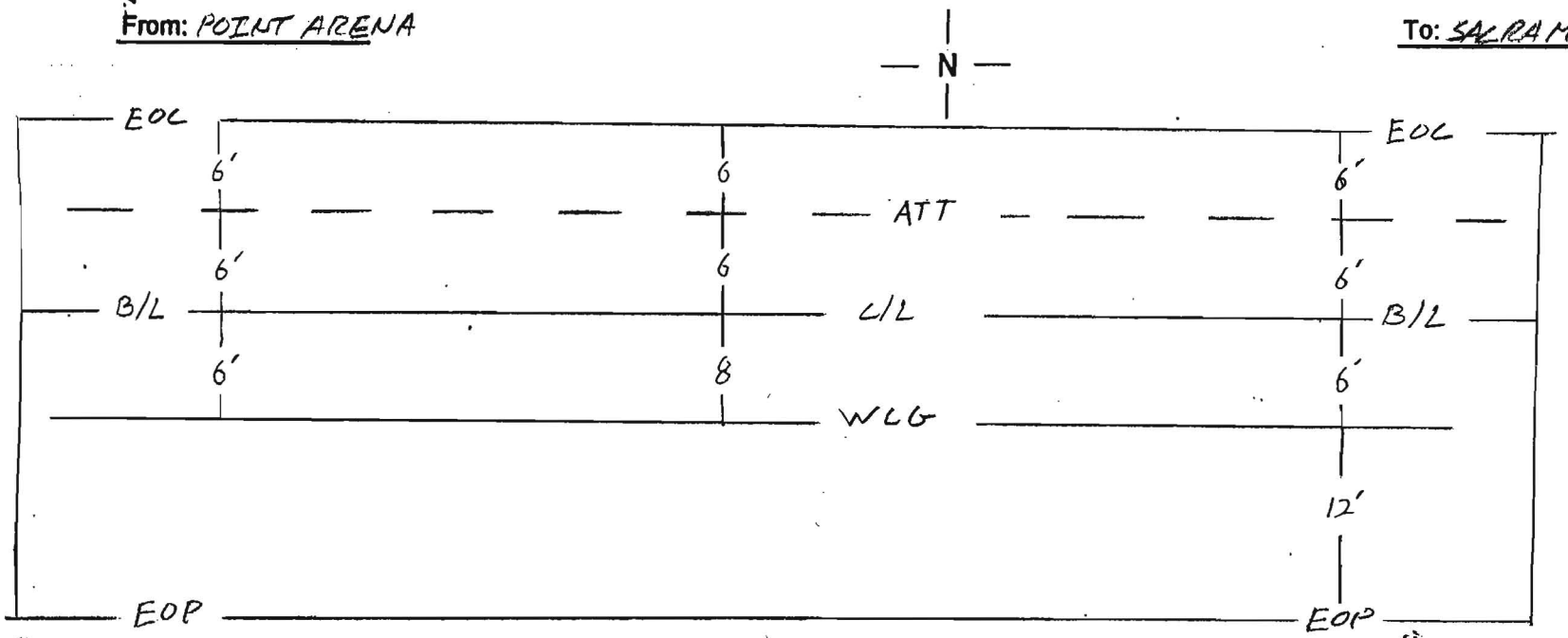
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]0
Page No. 1 [illegible] 2
Drawing #: SARC - 94, 95

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 80+83 6'ds 48"

81+30 BORE 6'ds 90"

81+80 BORE 8'ds 115"

82+30 BORE 7'ds 114"

82+80 BORE 8'ds 130"

83+30 BORE 6'ds 130"

83+80 BORE 6'ds 130"

84+30 BORE 7'ds 120"

84+80 BORE 5'ds 83"

END BORE 85+03 5'ds 48"

Notes:	County: SONOMA	Contractor: TIDEWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

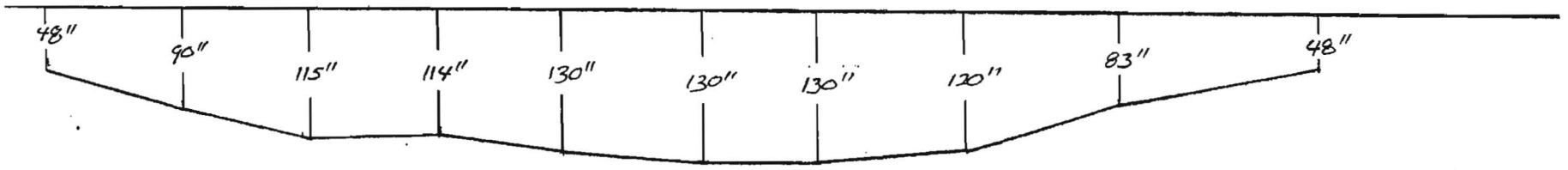
Williams Construct As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-6
Page No. ___ of ___
Drawing #: SARC-94, 95

From: POINT ARENA — To: SACRAMENTO

N



BEGIN BORE 80+83 6'd/s 48"

81+30 BORE 6'd/s 90"

81+80 BORE 8'd/s 115"

82+30 BORE 7'd/s 114"

82+80 BORE 8'd/s 130"

83+30 BORE 6'd/s 130"

83+80 BORE 8'd/s 130"

84+30 BORE 7'd/s 120"

84+80 BORE 6'd/s 83"

END BORE 85+03 6'd/s 48"

Notes:	County: SONOMA	Contractor: TIDWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIC BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

87+07 12' RT. SANITARY MH

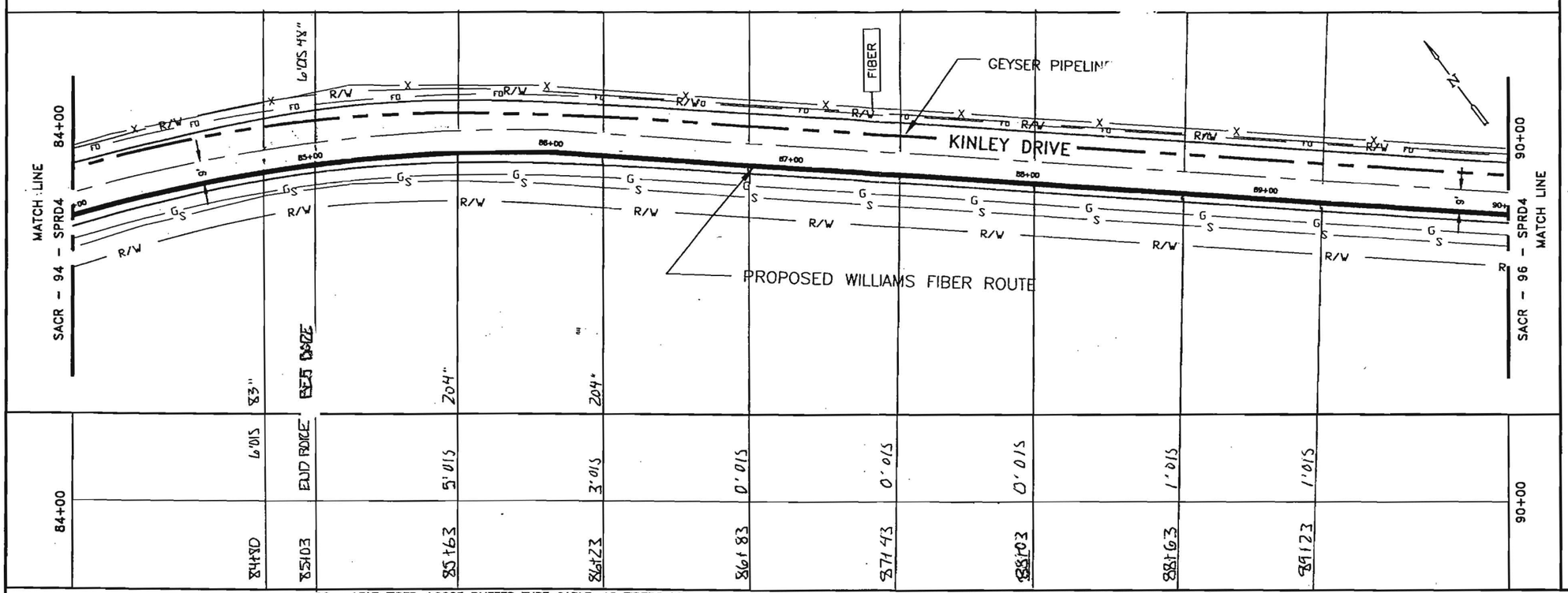
87+32 25' LT. FIBER MARKER

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



	6'0\S		5'0\S	3'0\S	0'0\S	0'0\S	0'0\S	1'0\S	1'0\S		
84+00	84+80	85+03	85+63	86+23	86+83	87+43	88+03	88+63	89+23		90+00

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" HDPE, 1-1.5" HDPE BLUE, 1-1.5" ORANGE

84+00	85+03
85+03	90+00
103'	497'
7.11 "Z-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12_6_00 AMERICAN	BORE 2-1.5" HDPE 1-1.25" HDPE JEFF MCKOY 2-22-01 TIDWELL

IN BLACK 1.25"HDPE
6GA. TRACER WIRE
ELORIA TABOR

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR - COUNTY, STATE
1-888-945-2255

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-95-SPRD4

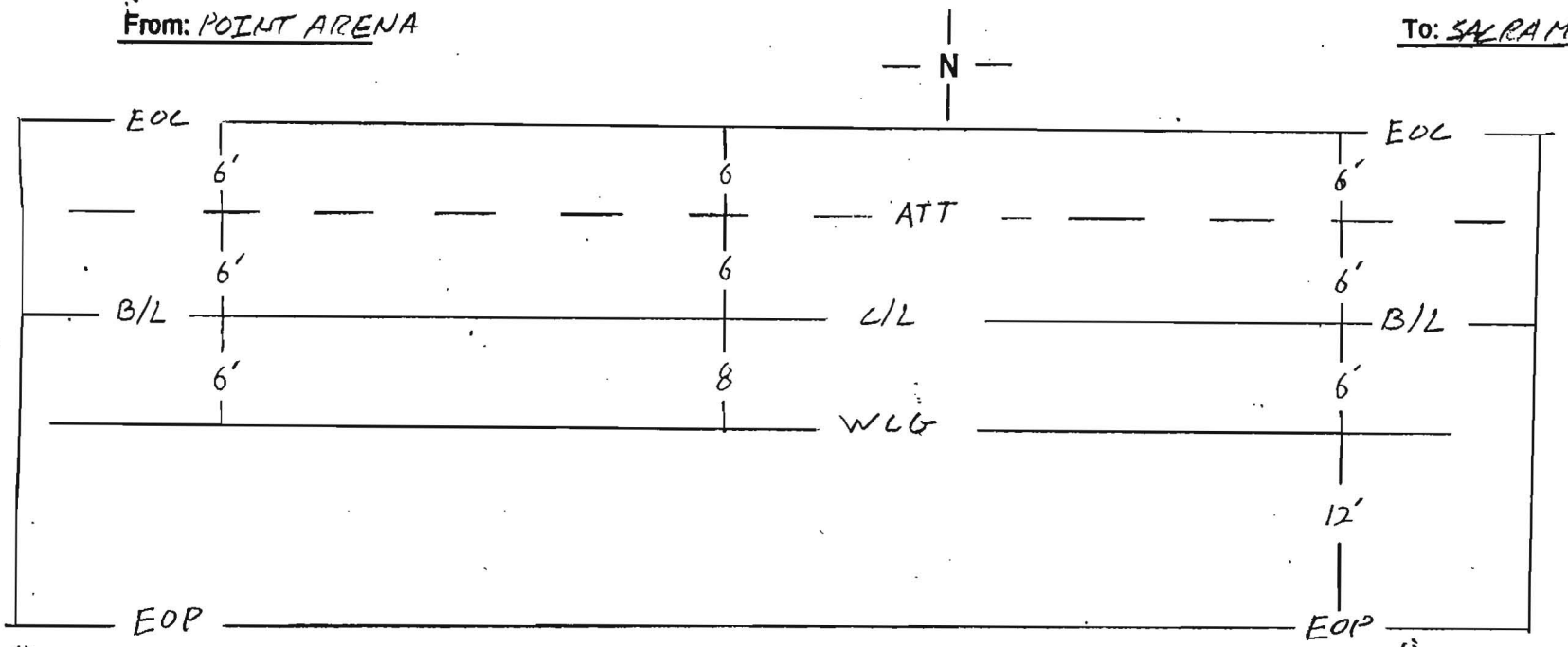
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-6-00
Page No. 1 of 2
Drawing #: SARC-94, 95

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 80+83 6'd/s 48"

81+30 BORE 6'o/s 90"

81+80 BORE 8'd/s 115"

82+30 BORE 7'o/s 114"

82+80 BORE 8'd/s 130"

83+30 BORE 6'd/s 130"

83+20 BORE 8'o/s 130"

84+30 BORE 7'd/s 120"

84+80 BORE 6'o/s 83"

END BORE 85+03 6'o/s 48"

Notes:	County: SONOMA	Contractor: TIDWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

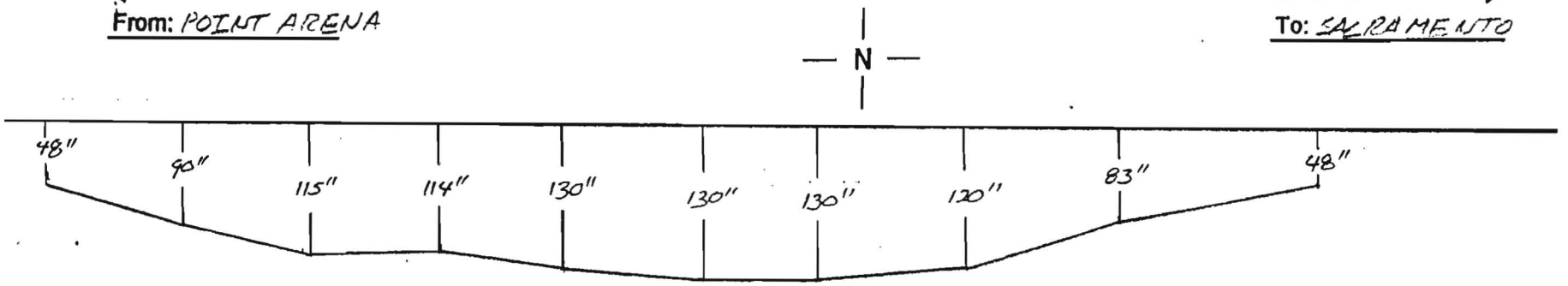
Williams Construct As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4873
Contract No. 99P154.11

Date: 12-6
Page No.
Drawing #: SARC - 94, 95

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 80+83 6'd/s 48"

81+30 BORE 6'd/s 90"

81+80 BORE 8'd/s 115"

82+30 BORE 7'd/s 114"

82+80 BORE 8'd/s 130"

83+30 BORE 6'd/s 130"

83+80 BORE 8'd/s 130"

84+30 BORE 7'd/s 120"

84+80 BORE 6'd/s 83"

END BORE 85+03 6'd/s 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

Contractor: TIDWELL SUB-AMERICAN BORING

Inspector: ERIK BALLING

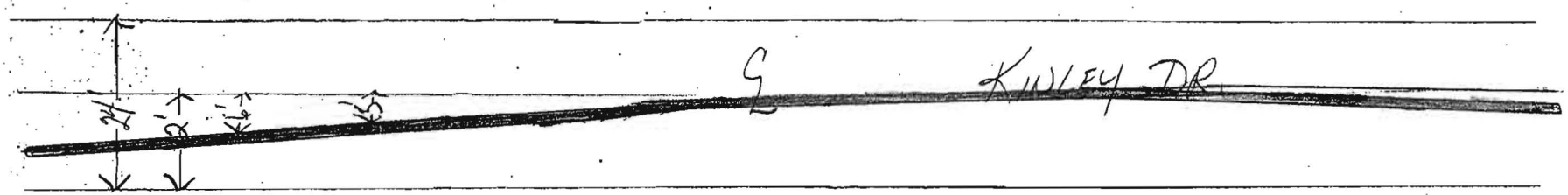
CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	SPI
7-12-01	99P154.11	SACR-95-96	4A

POINT ARENA — FROM: _____

N

SACRAMENTO — TO: _____



Sta # 85+03 6'0% ℄ BEG BORE (48")

Sta # 85+63 5'0% ℄ WCG (20411)

Sta # 86+23 3'0% ℄ WCG (204")

Sta # 86+83 0'0% ℄ WCG

Sta # 87+43 0'0% ℄ WCG

Sta # 88+03 0'0% ℄ WCG

Sta # 88+63 1'5% ℄ WCG

Sta # 89+23 1'5% ℄ WCG

Sta # 90+38 1'5% ℄ END BORE (48")

ES:

COUNTY: Sonoma

CONTRACTOR: TIDWELL

DUCT CONFIGURATION: (2) 1½ (1) 1¼ H.D.P.E.

INSPECTOR: JEFF McCOY

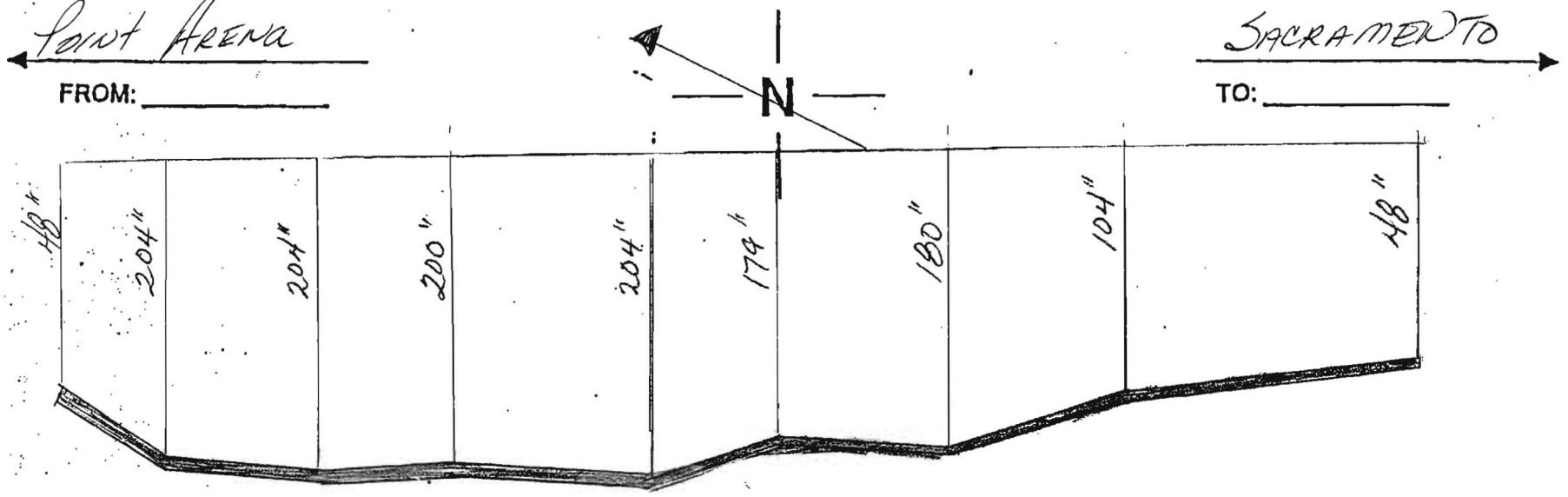
CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 7-12-01	PROJECT #: 99P154.11	DWG/ALIGNMENT SHEET #: SCAR 95-96	SPK 4A

Point Arena

FROM: _____

SACRAMENTO

TO: _____



Sta # 85+03 6'0/S ℄ BEG BORE (48")

Sta # 85+63 5'0/S ℄ WCG (204")

Sta # 86+23 3'0/S ℄ WCG (204")

Sta # 86+83 6'0/S ℄ WCG (200")

Sta # 87+43 0'0/S ℄ WCG (204")

Sta # 88+03 0'0/S ℄ WCG (179")

Sta # 88+63 1'0/S ℄ WCG (180")

Sta # 89+23 1'0/S ℄ WCG (104")

Sta # 90+38 1'0/S ℄ END BORE (48")

ES:

COUNTY: Sonoma	CONTRACTOR: Tidwell
DUCT CONFIGURATION: (2) 1½ (1) 1¼ H.D.P.E.	INSPECTOR: JEFF McCoy

OWNERSHIP

COUNTY OF SONOMA

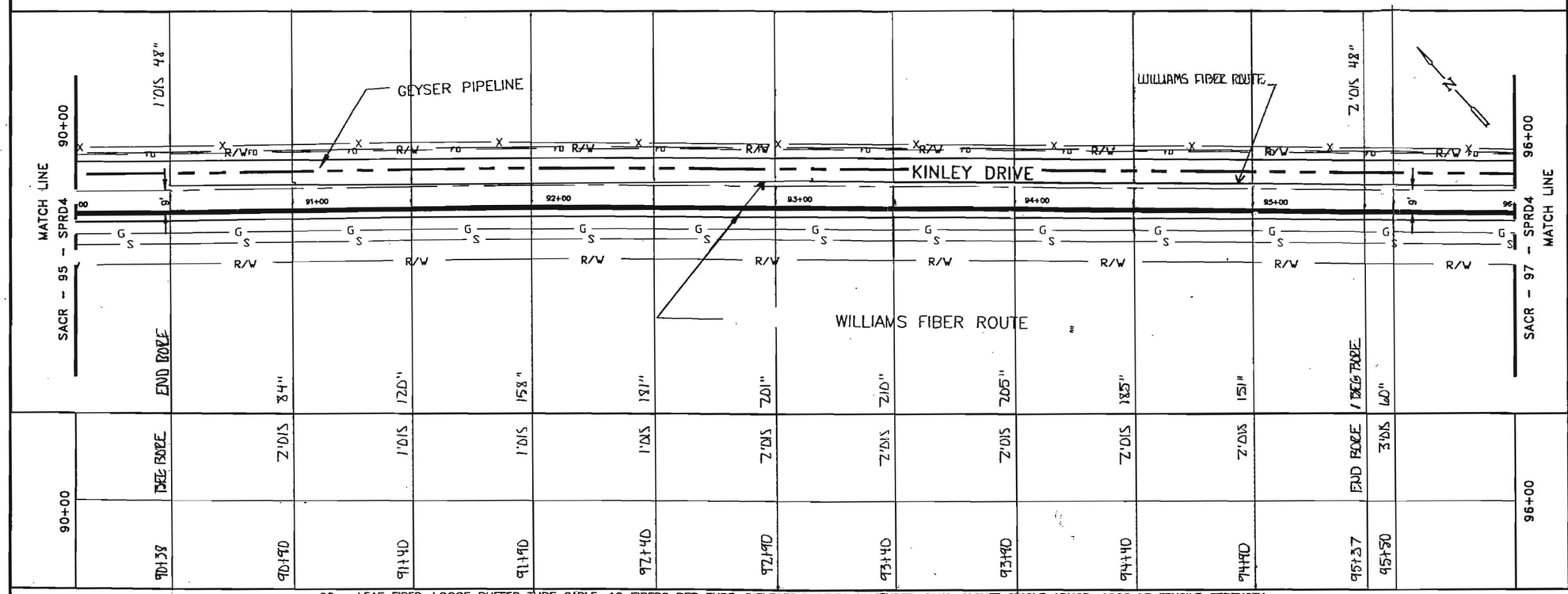
FIBER STATIONING

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



	END BORE	84"	120"	158"	181"	201"	210"	205"	185"	151"	BEG BORE	60"		
90+00	BEG BORE	2'DIS	1'DIS	1'DIS	1'DIS	2'DIS	2'DIS	2'DIS	2'DIS	2'DIS	END BORE	3'DIS		96+00
	90+38	90+90	91+40	91+90	92+40	92+90	93+40	93+90	94+40	94+90	95+37	95+80		

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

2-1.25" BLACK 1-1.5" BLUE 1-1.5" ORANGE

90+38 95+37 499' 2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 11_13_00 AMERICAN BORING	90+90 90+58 32" BORE 2-1.5" HDPE 1-1.25" HDPE Jeff Nickoy 2-22-01 FIDWELL	IN BLACK 1.25" HDPE 6GA. TRACER WIRE GLORIA TABOR 7-9-01	95+37 96+00 63' 2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12_16_00 AMERICAN BORING

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFR. TYPE OF GLASS		CABLE DESCRIPTION
CABLE REEL NO.		
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH		
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)		PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE		
PVC		
FUTURE-2		FUTURE UNIT PLACE
FUTURE-3		
FUTURE-4		

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-96-SPRD4

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	OVO/ALIGNMENT SHEET #:	SPRE
7-12-01	99P154.11	SACR-95-96	4A

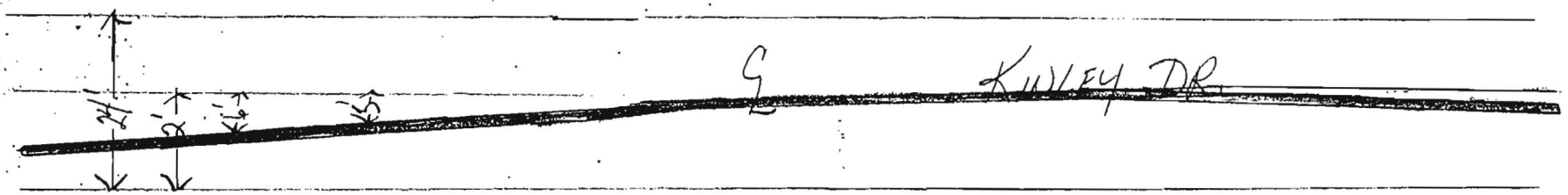
POINT ARENA

FROM: _____

N

SACRAMENTO

TO: _____



Sta # 85+03 6'0% ℄ BEG BORE (48")

Sta # 85+63 5'0% ℄ WCG (20#")

Sta # 86+23 3'0% ℄ WCG (20#")

Sta # 86+83 0'0% ℄ WCG

Sta # 87+43 0'0% ℄ WCG

Sta # 88+03 0'0% ℄ WCG

Sta # 88+63 1'0% ℄ WCG

Sta # 87+23 1'0% ℄ WCG

Sta # 90+38 1'0% ℄ END BORE (48")

ES:

COUNTY: Sonoma

CONTRACTOR: TIDWELL

DUCT CONFIGURATION: (2) 1½ (1) 1¼ H.D.P.E.

INSPECTOR: JEFF McCOY

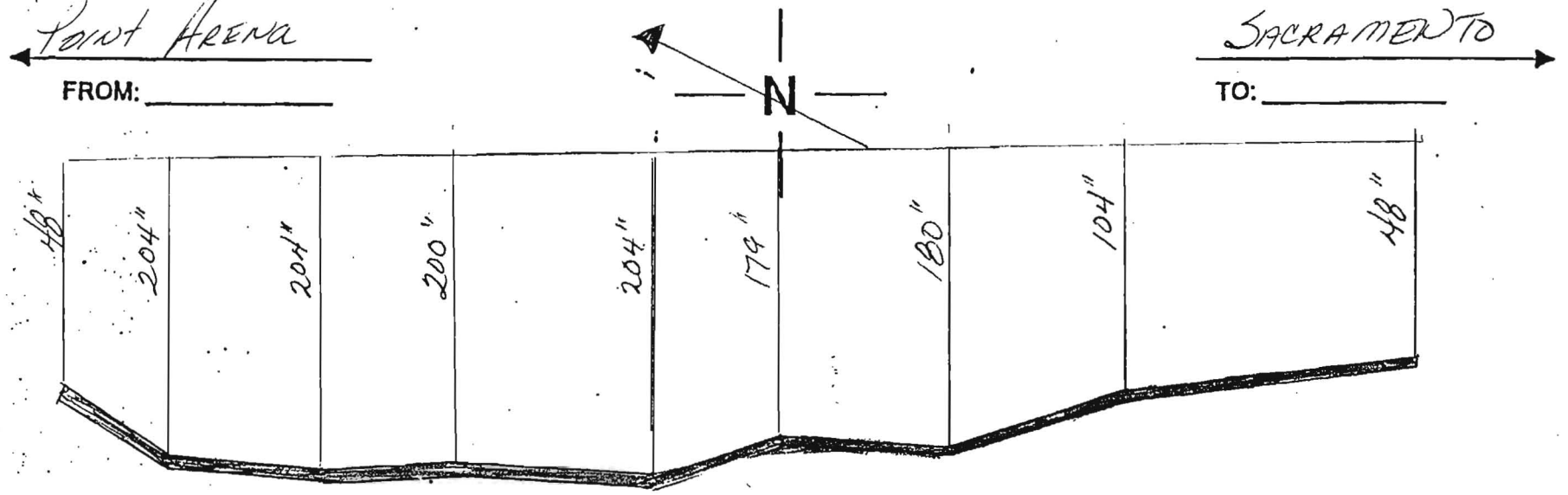
CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 7-12-01	PROJECT #: 99P154.11	DWG/ALIGNMENT SHEET #: SCAR 95-96	SP 4A

Point Arena

FROM: _____

SACRAMENTO

TO: _____



Sta # 85+03 6 10/5 ℄ BEG BORE (48")

Sta # 85+63 5 10/5 ℄ WCG (204")

Sta # 86+23 3 10/5 ℄ WCG (204")

Sta # 86+83 0 10/5 ℄ WCG (200")

Sta # 87+43 0 10/5 ℄ WCG (204")

Sta # 88+03 0 10/5 ℄ WCG (179")

Sta # 88+63 1 10/5 ℄ WCG (180")

Sta # 89+23 1 10/5 ℄ WCG (104")

Sta # 90+38 1 10/5 ℄ END BORE (48")

ES:

COUNTY: Sonoma	CONTRACTOR: Tidwell
DUCT CONFIGURATION: (2) 1½ (1) 1¼ H.D.P.E.	INSPECTOR: JEFF McCoy

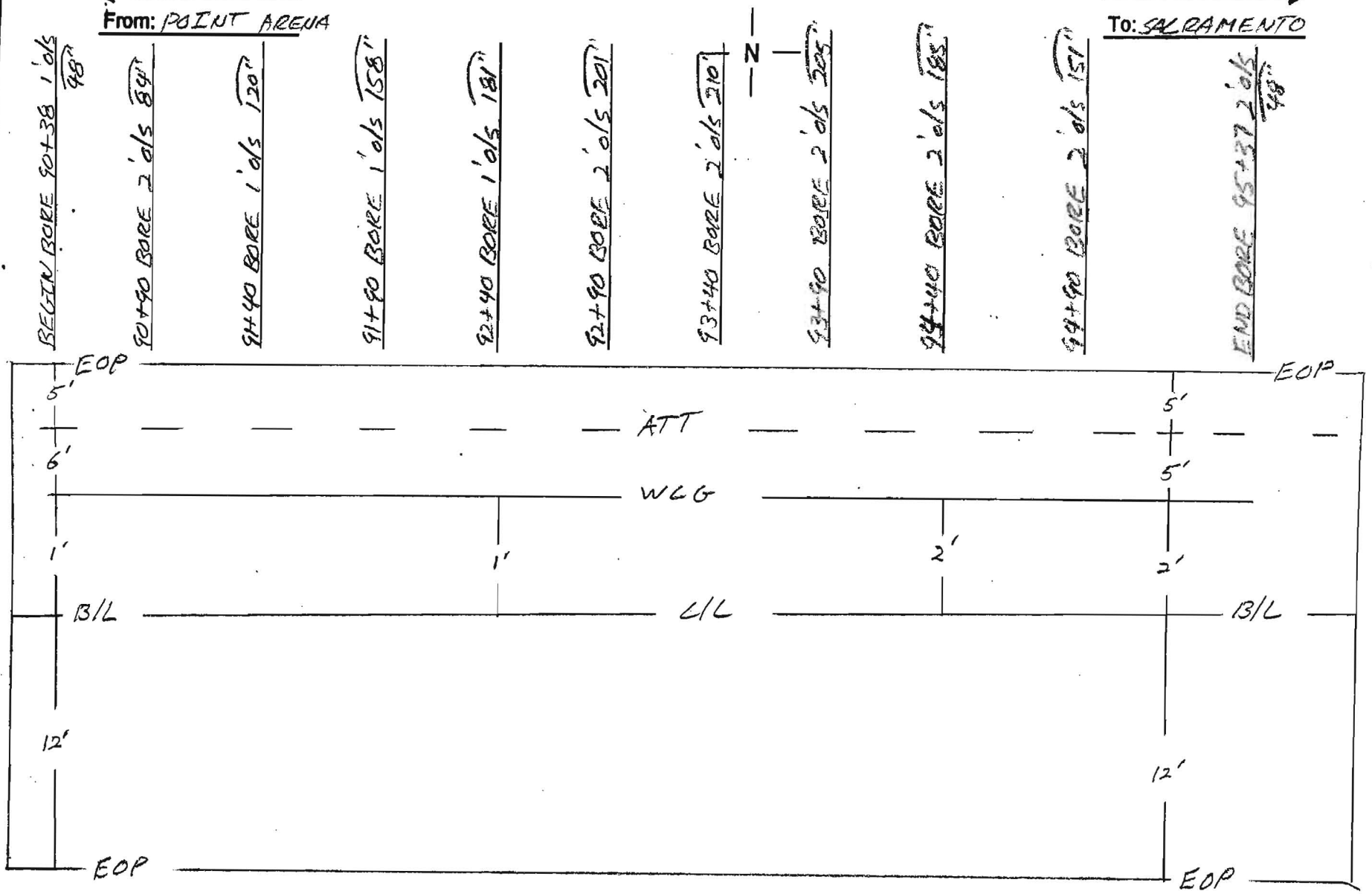
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]00
Page No. 1 [illegible]2
Drawing #: SARC-96

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

Contractor: TIDWELL
SUB-AMERICAN BORING

Inspector: ERIK RALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-[illegible]-00
Page No. [illegible]
Drawing #: SARC - 96

From: POINT ARENA → To: SACRAMENTO

N

BEGIN BORE 90+38 48"
90+90 BORE 84"
91+40 BORE 120"
91+90 BORE 158"
92+40 BORE 181"
92+90 BORE 201"
93+40 BORE 210"
93+90 BORE 205"
94+40 BORE 185"
94+90 BORE 151"
END BORE 95+37 48"

48" 84" 120" 158" 181" 201" 210" 205" 185" 151" 48"

Notes:	County: SONOMA	Contractor: TIDEWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

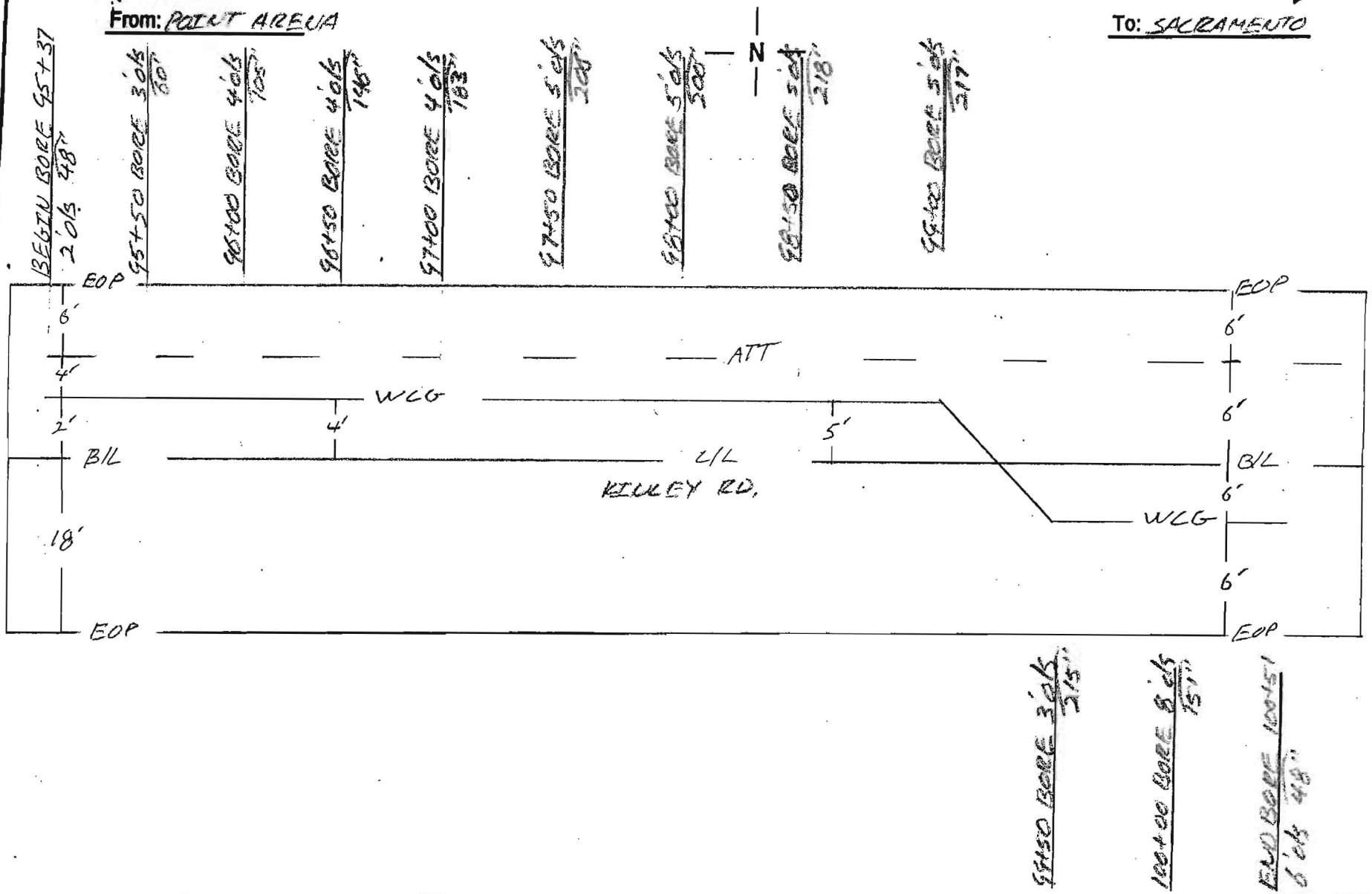
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-1-00
Page No. 2
Drawing #: SALC-97

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY

Spread No. 4A

AFE No. 4875

Contract No. 99P154.11

Date: 12-14-00

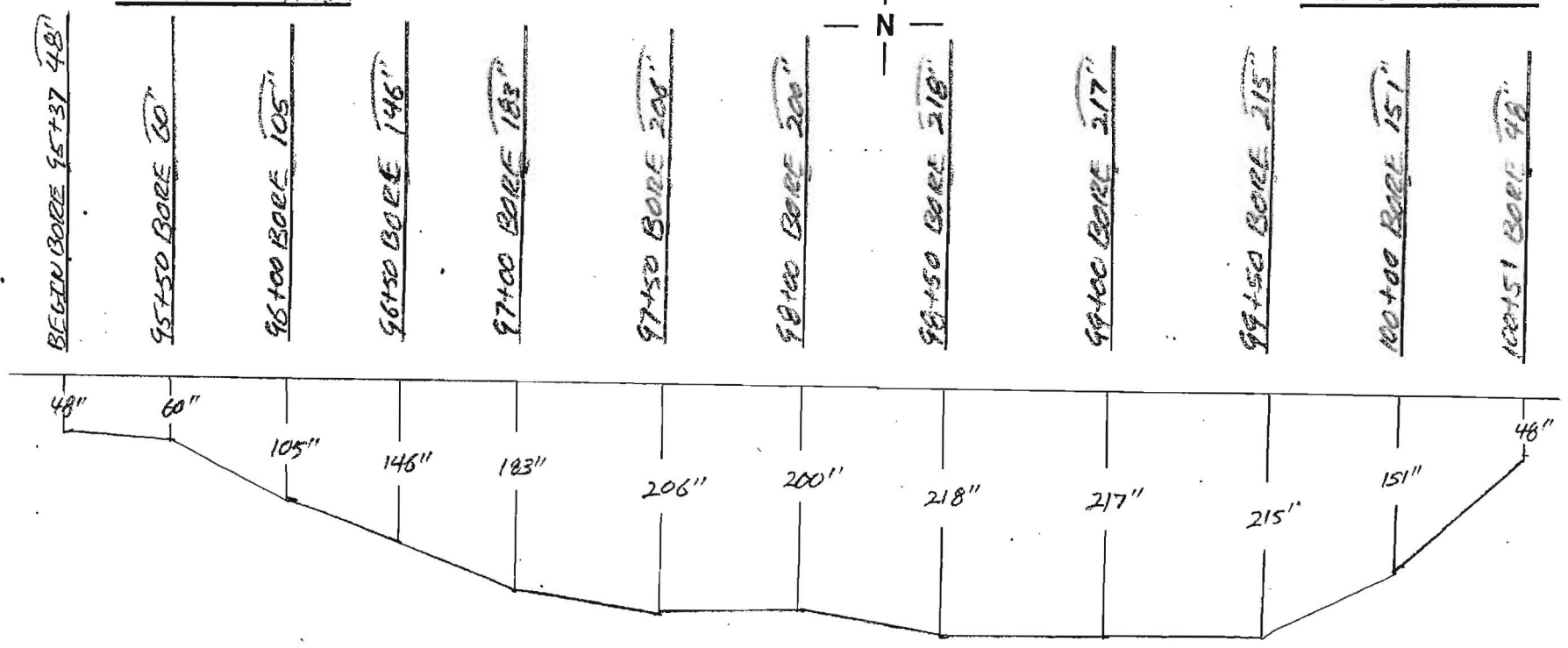
Page No. 2

Drawing #: SARC - 97

From: POINT AREVA

To: SACRAMENTO

N



Notes:	County: SONOMA	Contractor: TIDEWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1¼" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

98+31 23' LT. FIBER MARKER

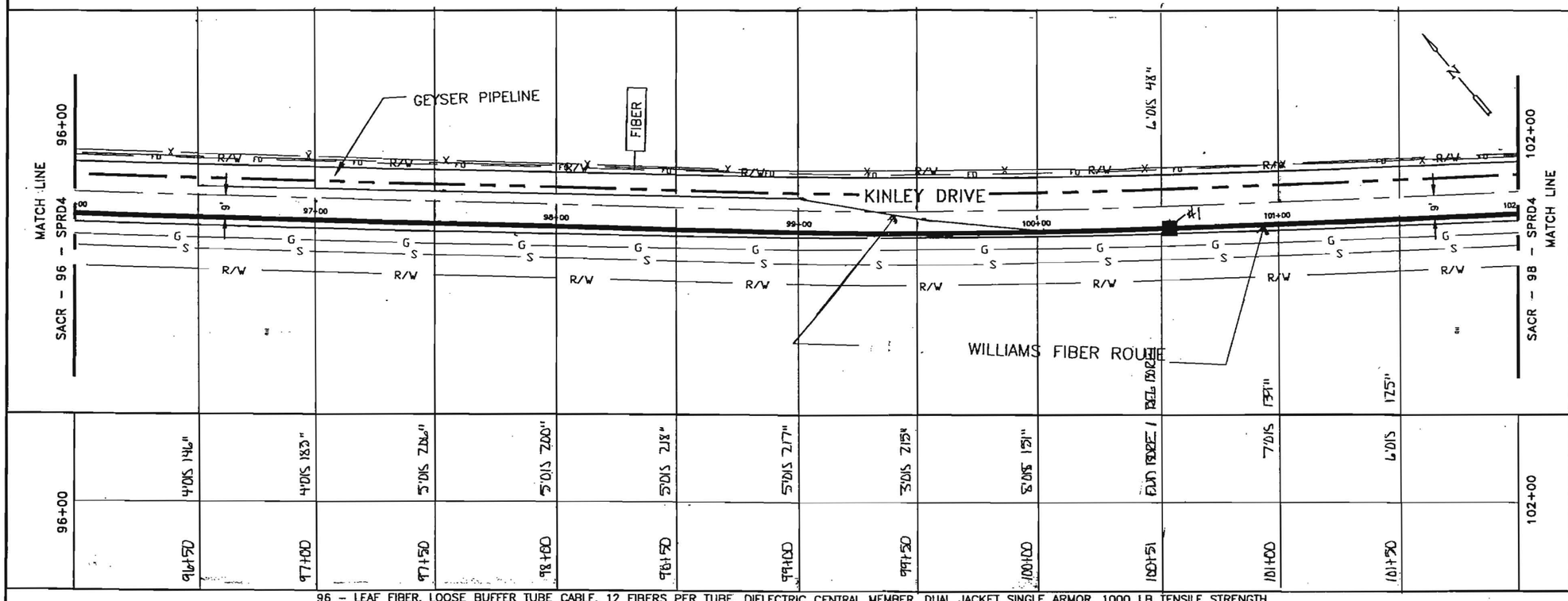
100+55 LVCC MANHOLE
TODD HEADRICK 12.22.00

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96+00	96+50	97+00	97+50	98+00	98+50	99+00	99+50	100+00	100+50	101+00	101+50	102+00
	4'DIS 14¼"	4'DIS 18⅜"	5'DIS 7⅝"	5'DIS 7.00"	5'DIS 7⅛"	5'DIS 7.17"	5'DIS 7.15"	3'DIS 1.51"	3'DIS 3.05"	7'DIS 19.31"	6'DIS 17.25"	

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

96+00
100+31
451'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12.16.00
AMERICAN BORING

100+31
102+00
149'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12.16.00
TUNNEL

IN BLACK 1.25" HDPE
65A TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
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LEGEND

- Interstate Hwy.
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- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-97-SPRD4

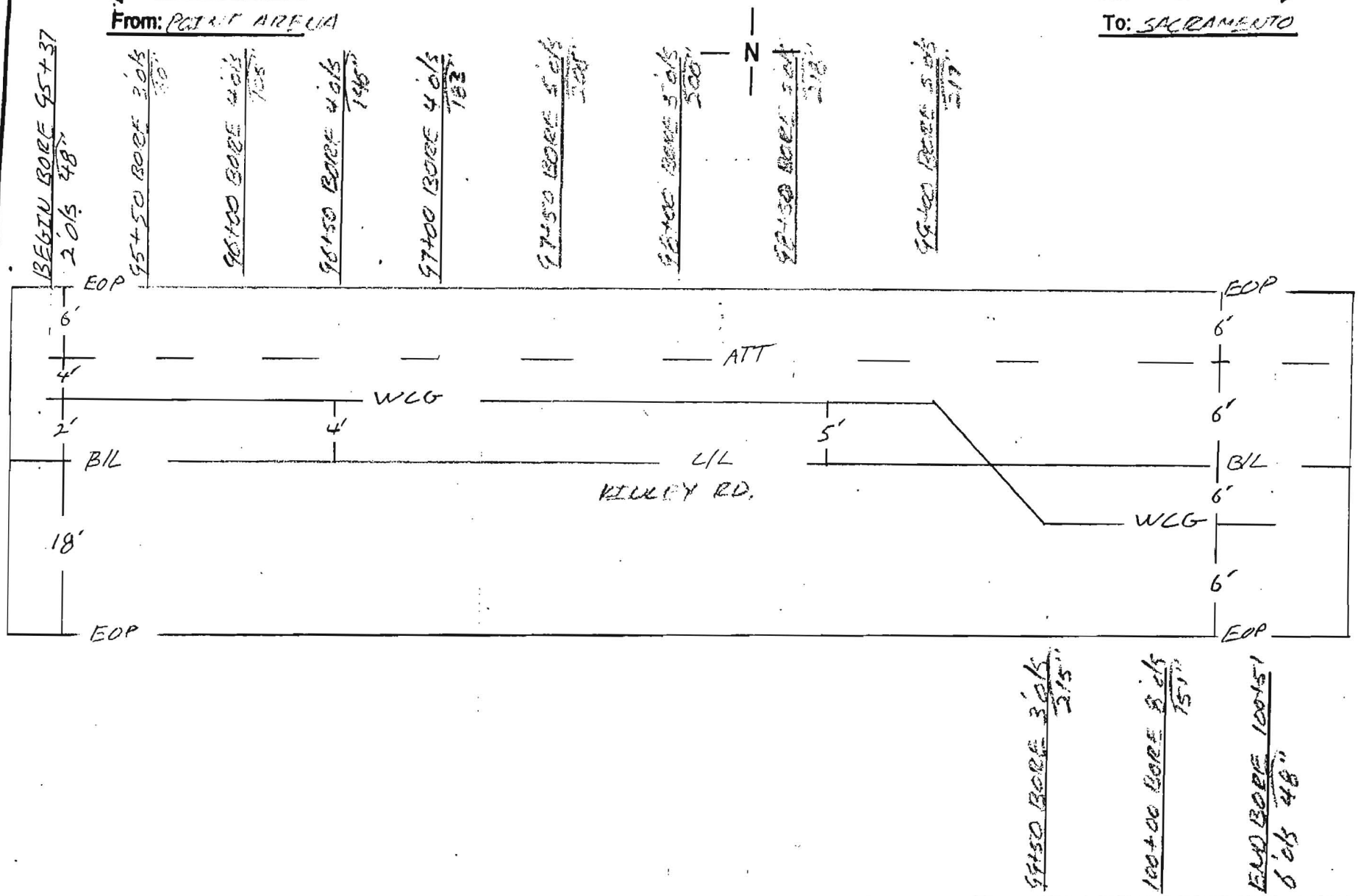
Williams Construction As-Built Documentation

Spread Locati[illegible] SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-11-00
Page No. 1 of 2
Drawing #: SARC-97

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1"D
1-BLUE 1½", 1-BLACK 1¼"

Contractor: TIDWELL
SUB-AMERICAN BORING

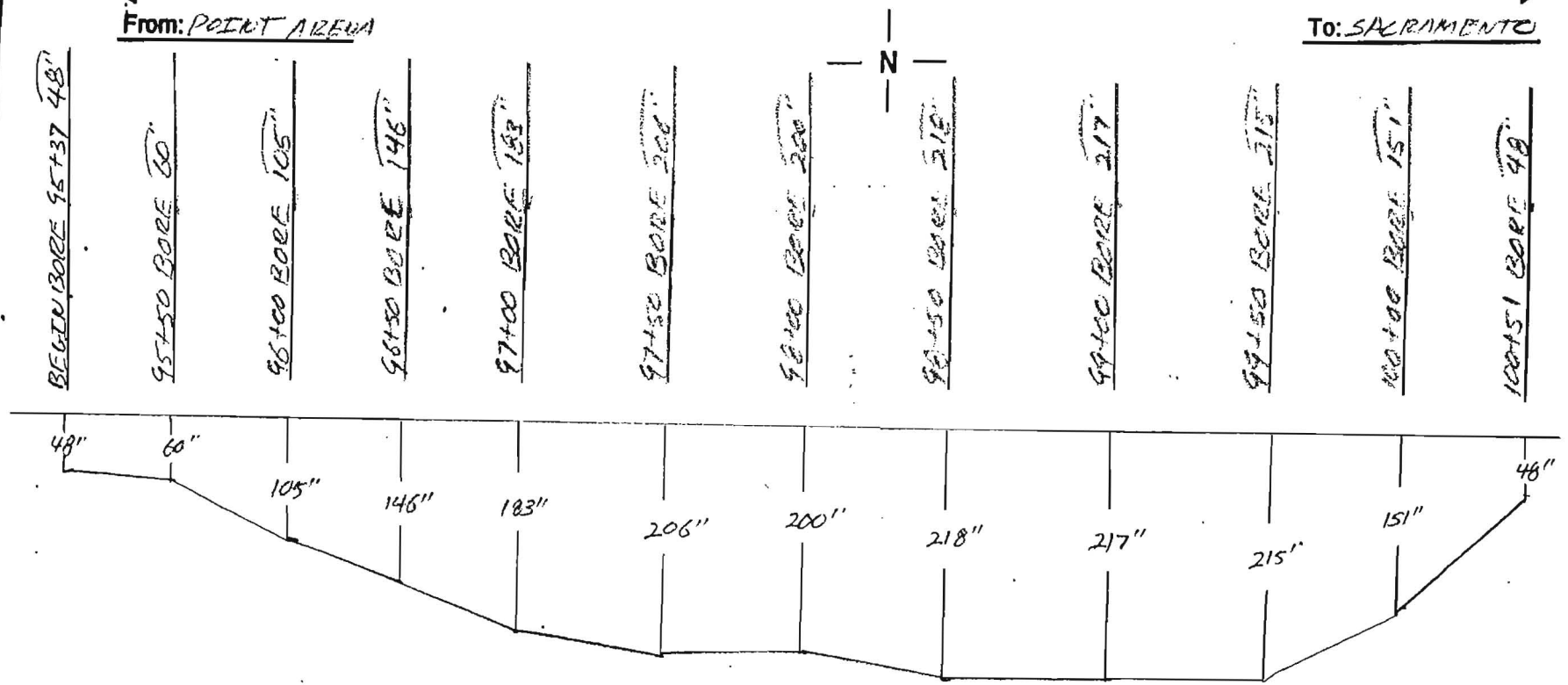
Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-1[illegible]
Page No. [illegible]
Drawing #: SARC - 97

From: POINT ARENA
To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

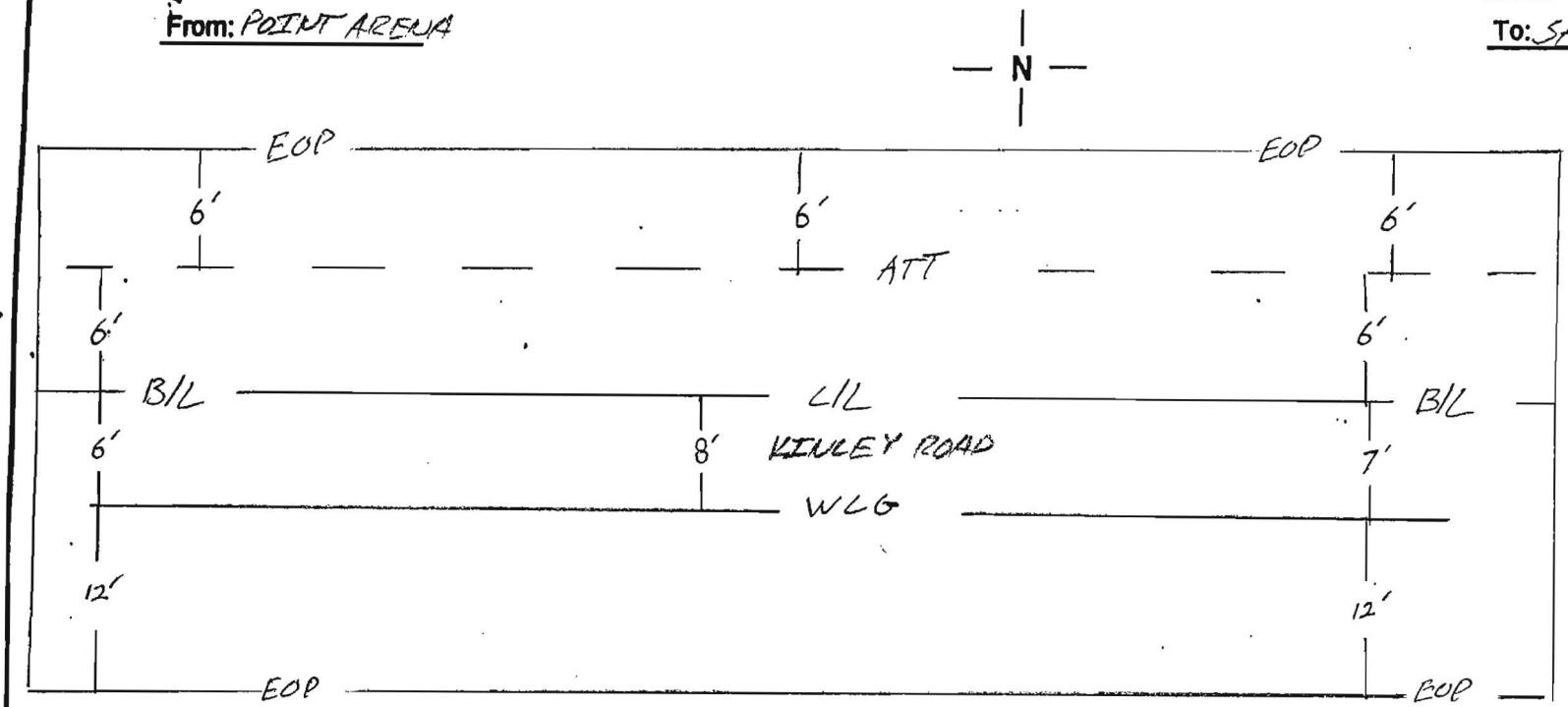
Williams Construction As-Built Documentation

Spread Locati[illegible] SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-16-00
Page No. [illegible]2
Drawing #: SARC-97, 98

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 100+51 6'ds 48"

101+00 BORE 7'ds 139"

101+50 BORE 6'ds 125"

102+00 BORE 6'ds 125"
102+00 MAC HALTINE

102+50 BORE 8'ds 208"

103+00 BORE 8'ds 208"

103+50 BORE 6'ds 201

104+00 BORE 7'ds 83"

END BORE 104+43 7'ds 48"

Notes:

County: SONOMA

Contractor: TIDWELL SUB-AMERICAN BORING

Duct Configuration: 1-ORANGE 1"/2" 1-BLUE 1"/2, 1-BLACK 1"/4"

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY

Spread No. 4A

AFE No. 4675

Contract No. 99P154.11

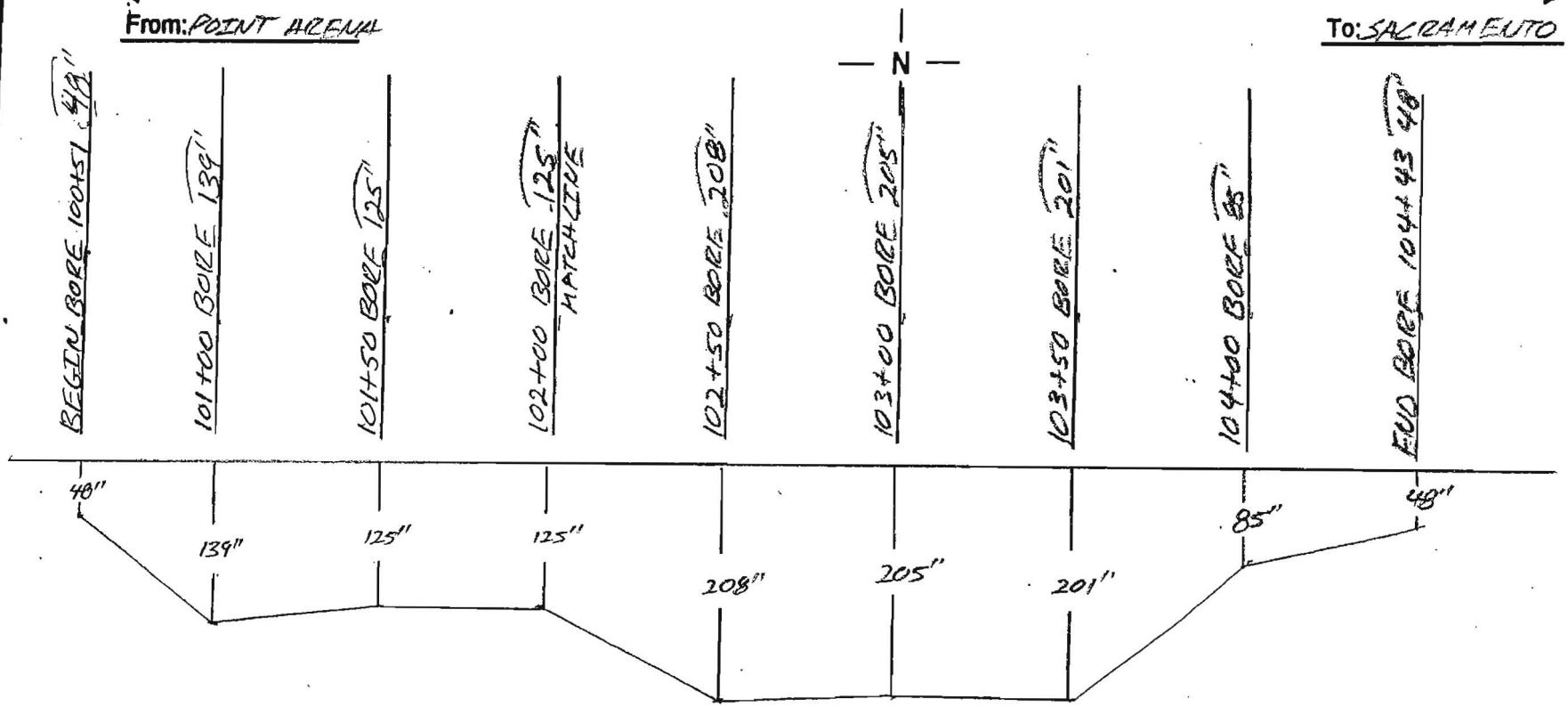
Date: 12-[illegible]

Page No. [illegible]

Drawing #: SARC-97, 98

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1¼" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

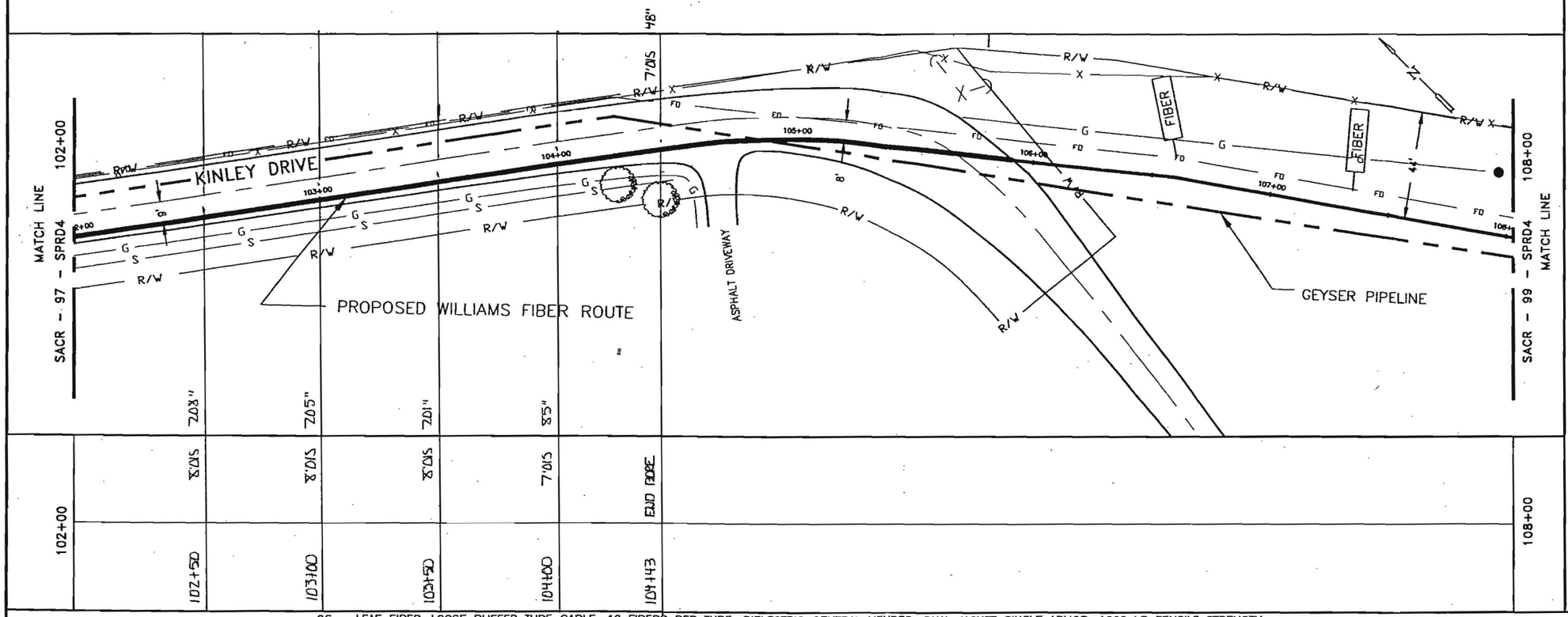
104+66 3' LT. CL DRIVEWAY
105+59 C/L KINLEY DRIVE
105+66 24' LT. POLE
105+68 15' LT. GAS MARKER
105+78 10' LT. FIBER MARKER
105+86 LEAVING KINLEY ROAD
106+56 15' LT. FIBER MARKER
107+31 15' LT. FIBER MARKER
107+92 24' LT. GAS VALVE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

102+00
104+43
243'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIA BALLING
12.16.60
TIDWELL

IN BUCK 1.25" HDPE
GGA TRACER WIRE
ELDRIA TABOR

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
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- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-98-SPRD4

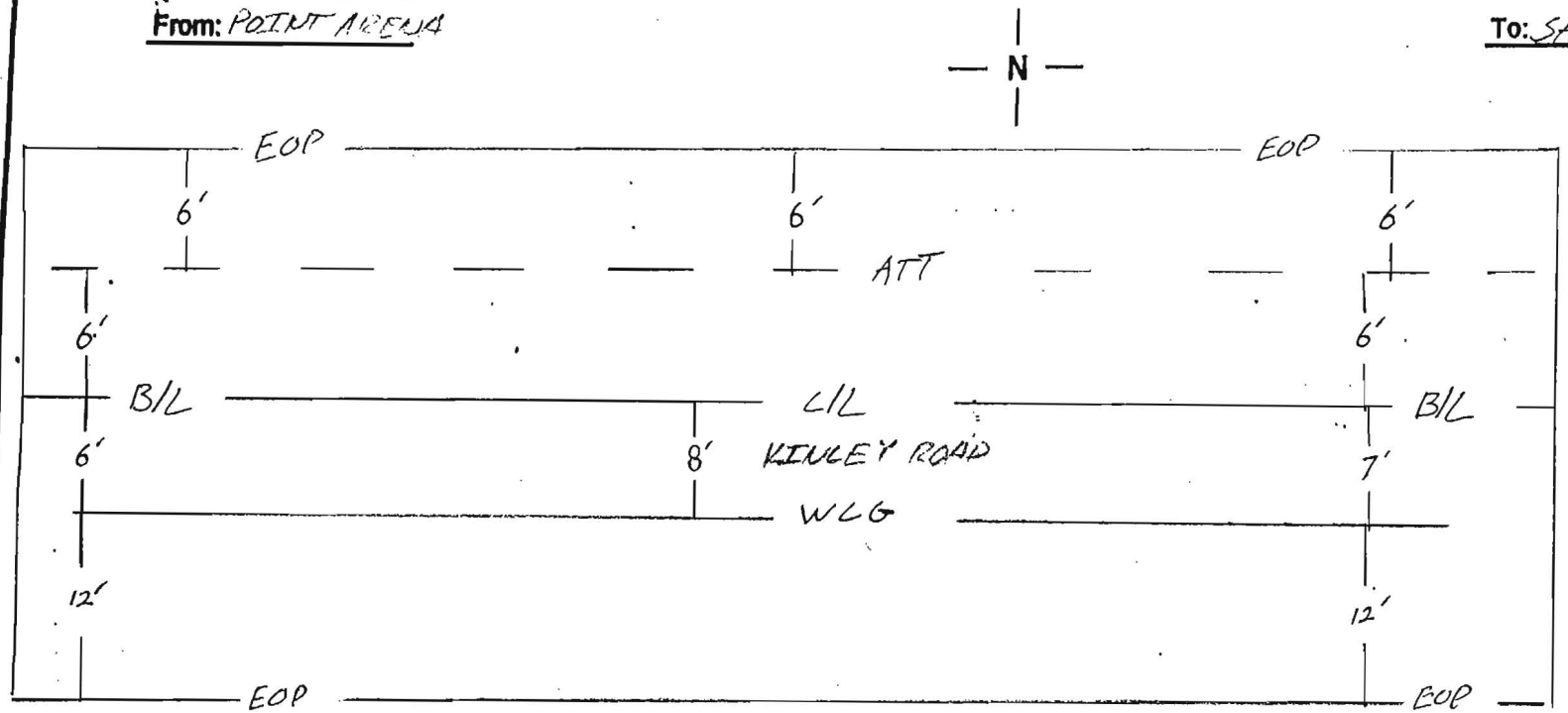
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-16-00
Page No. 2
Drawing #: SARC-97, 98

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 100+51 6'ols 48"

101+00 BORE 7'ols 139"

101+50 BORE 6'ols 125"

102+00 BORE 6'ols 125"
102+00 MATCHLINE

102+50 BORE 8'ols 208"

103+00 BORE 8'ols 205

103+50 BORE 8'ols 201

104+00 BORE 7'ols 65"

END BORE 104+43 7'ols 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2"
1-BLUE 1 1/2, 1-BLACK 1 1/4"

Contractor: TIDWELL SUB-AMERICAN BORING

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY

Spread No. 4A

AFE No. 4875

Contract No. 99M150.11

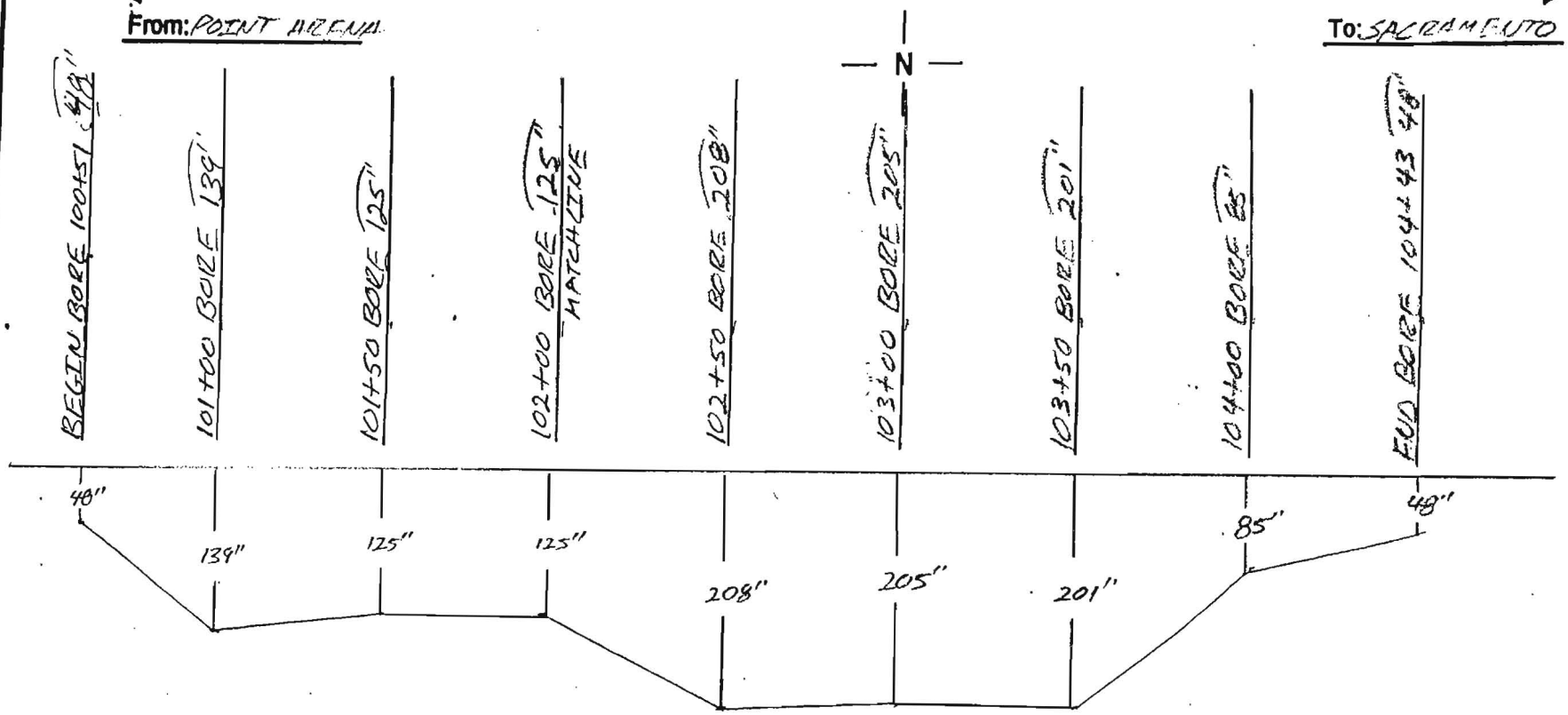
Date: 12-11-00

Page No. 2 of 2

Drawing #: SARC - 97, 98

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-AMERICAN BORING
	Duct Configuration: 1-ORANGE 1 1/4" 1-BLUE 1 1/4" 1-BLANK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

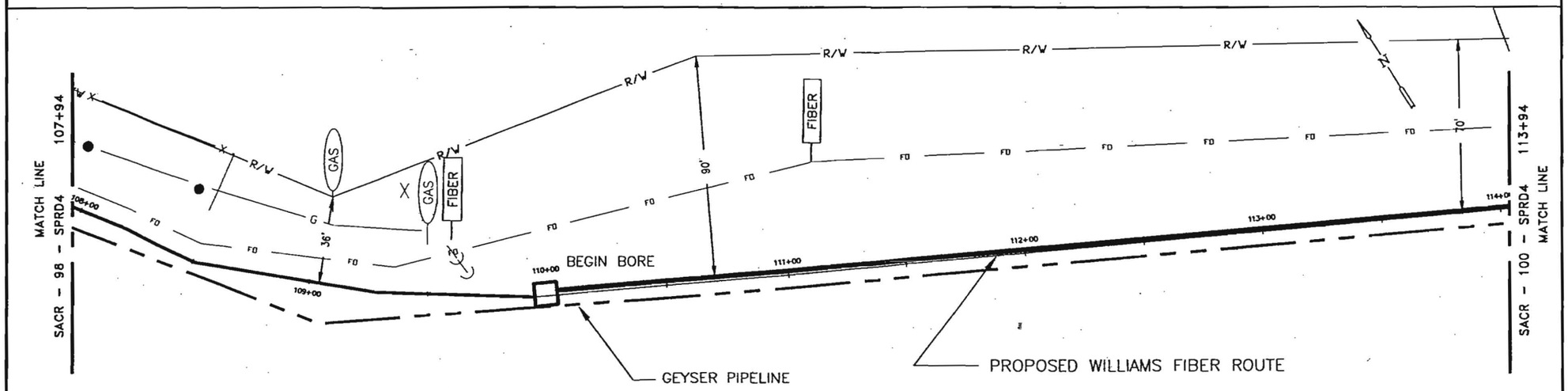
108+39 28' LT. GAS VALVE
109+04 32' LT. GAS MARKER
109+35 10' LT. ATT MANHOLE
109+39 42' LT. POLE
109+46 30' LT. GAS MARKER
109+51 32' LT. FIBER MARKER
109+94 3' LT. STEEL PIPE
109+99 2' LT. PLACE MANHOLE
110+03 2' LT. STEEL PIPE
111+14 53' LT. FIBER MARKER

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



107+94 — 113+94

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OA Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1–800–227–2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE DESCRIPTION
- CABLE FIBER COUNT MFG. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & INNERDUCT PLACEMENT
- INNERDUCT & TYPE (CORR/SMOOTH/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE UNIT PLACE
- FUTURE–2
- FUTURE–3
- FUTURE–4

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–99–SPRD4

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

115+48 RUSSIAN RIVER

117+19 23' LT. FIBER MARKER
117+24 16' RT. FIBER MARKER

117+34 12' RT. FIBER MARKER

117+52 19' LT. ATT MANHOLE
117+52 33' LT. ATT MANHOLE
117+53 STEEL PIPE
117+57 PLACE MANHOLE
117+58 1' RT. WILLIAMS MH
117+62 1' RT. STEEL PIPE
117+63 24' LT. GAS VALVE
117+65 34' LT. GAS VALVE
117+73 20' LT. ATT MANHOLE
117+77 8' LT. ATT MANHOLE
117+80 33' LT. FIBER MARKER

118+13 24' LT. GAS VALVE

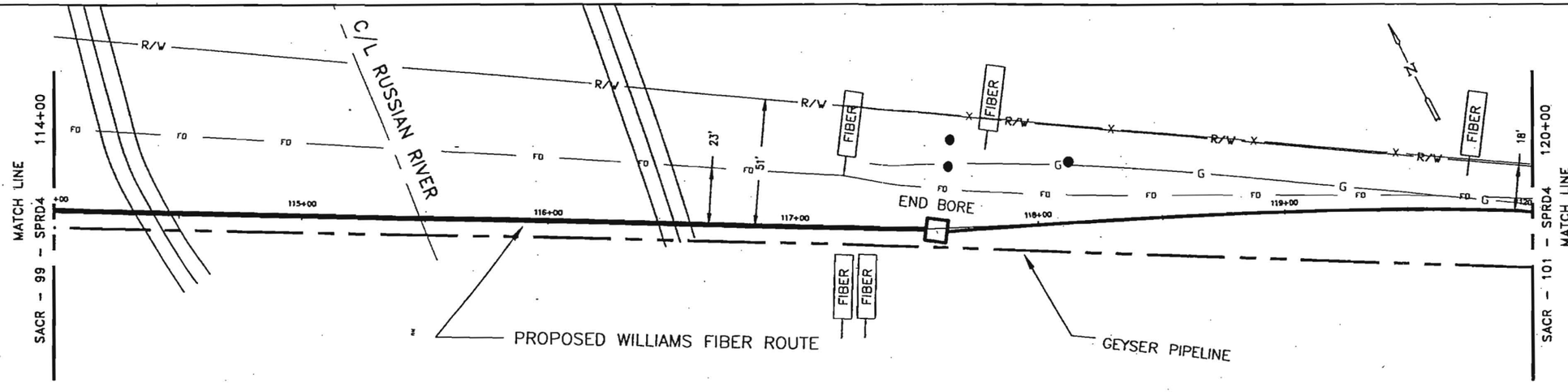
119+73 14' LT. FIBER MARKER

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



114+00 | 120+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1–800–227–2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	WW	6/16
3	REVISED DRAWING SCALE	WW	10/12

CABLE DESCRIPTION

- CABLE FIBER COUNT MFG. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & INNERDUCT PLACEMENT

- INNERDUCT & TYPE (CORR/SMOOTH/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE UNIT PLACE

- FUTURE–2
- FUTURE–3
- FUTURE–4

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–100–SPRD4

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

12+00 SPLICE POLE
GLORIA TARGR

125+07 18' LT. FIBER MARKER

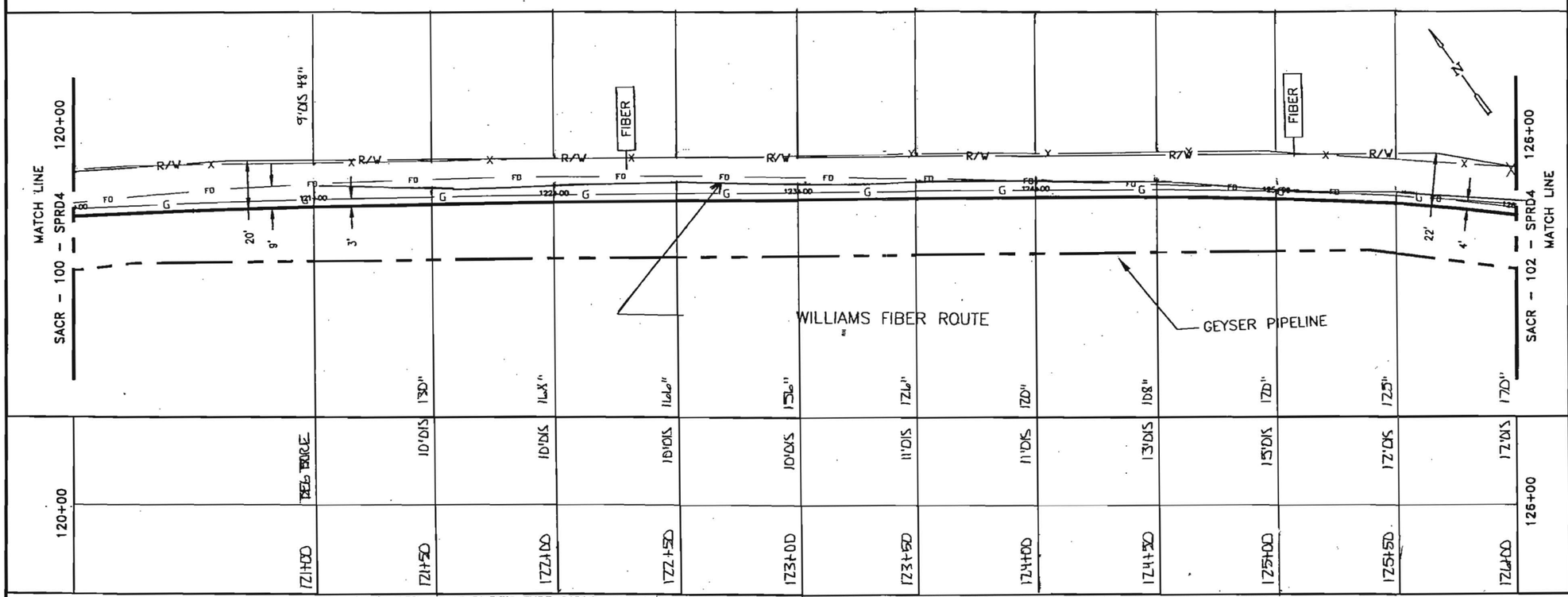
125+96 18' LT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



120+00		12'0S	13'0"	14'X"	14'6"	15'0"	12'6"	12'0"	10'8"	12'0"	12'5"	17'0"	
	DEER TRACE	10'0S	10'0S	10'0S	10'0S	10'0S	11'0S	11'0S	13'0S	15'0S	17'0S	17'0S	126+00
	121+00	121+50	122+00	122+50	123+00	123+50	124+00	124+50	125+00	125+50	126+00		

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

121+00
127+00
500'

2.11
2.1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12.19_OD
PIBS -

IN BLACK 1.25" HDPE
GEA. TRACE WIRE
GLORIA TARGR

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

(44)	Interstate Hwy.		Region Site
(66)	U.S. Hwy.		P.O.P./Jct.
(11)	State Hwy.	(S)	Handhole Splice
(1A)	County Road	(H)	Handhole
(13)	RR Mile Mkr.	(S)	Manhole Splice
	Misc. Road Sign	(M)	Manhole
	New Fiber Cable	(SS)	SS Manhole
	Township Line	x	Power Pole
	City Limits	(W)	Water Valve / Meter
R/W R/W	R/W Line	(G)	Gas Valve / Meter
	River/Stream		Signal Pole
	CL Road		Fire Hydrant
	CL RR Tracks		Gas Marker
X X	Fence		
O O	OB Pipeline		OB Marker
G G	Gas Pipeline		
P P	Power Line		Fiber Marker
W W	Water Line		
S S	San. Sewer		Water Inlet
SD SD	Storm Drain		
T T	Telephone Line		
B.I.P.	Black Iron Pipe		
G.I.P.	Galvanized Iron Pipe		
EP	Edge of Pavement		
EG	Edge of Gravel		
FC	Face of Curb		
FL	Fog Line and/or White Line		

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9059

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1–800–227–2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG, TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–101–SPRD4

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]00
Page No. 1 of 2
Drawing #: SARC-101, 102

From: POINT ARENA

To: SACRAMENTO

BEGIN BORE 121+00
5'0/S 48"

121+50 BORE 10'0/S 135"

122+00 BORE 10'0/S 168"

122+50 BORE 10'0/S 166"

123+00 BORE 10'0/S 158"

123+50 BORE 11'0/S 126"

124+00 BORE 11'0/S 120"

N

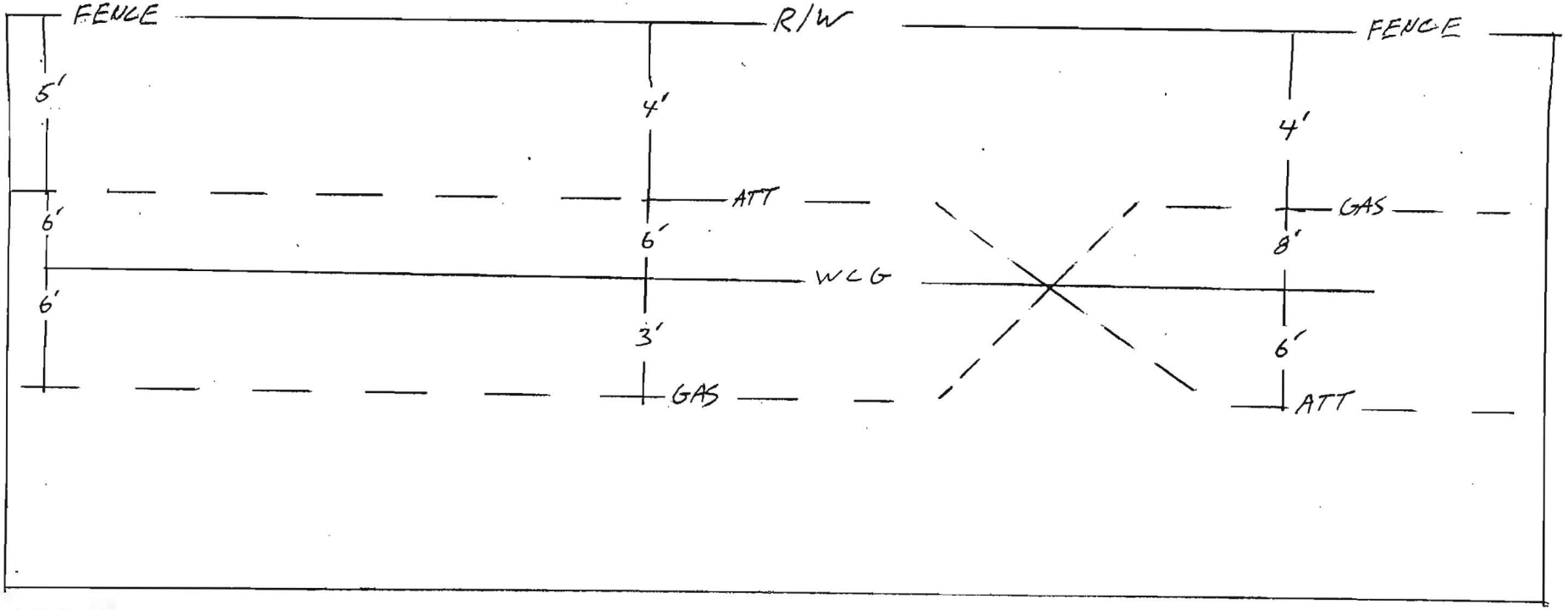
124+50 BORE 13'0/S 108"

125+00 BORE 15'0/S 120"

125+50 BORE 12'0/S 135"

126+00 BORE 12'0/S 130"
MATCHLINE

END BORE 126+36 12'0/S 48"



Notes:	County: SONOMA	Contractor: TIDWELL SUB-AQUARIED BORING
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

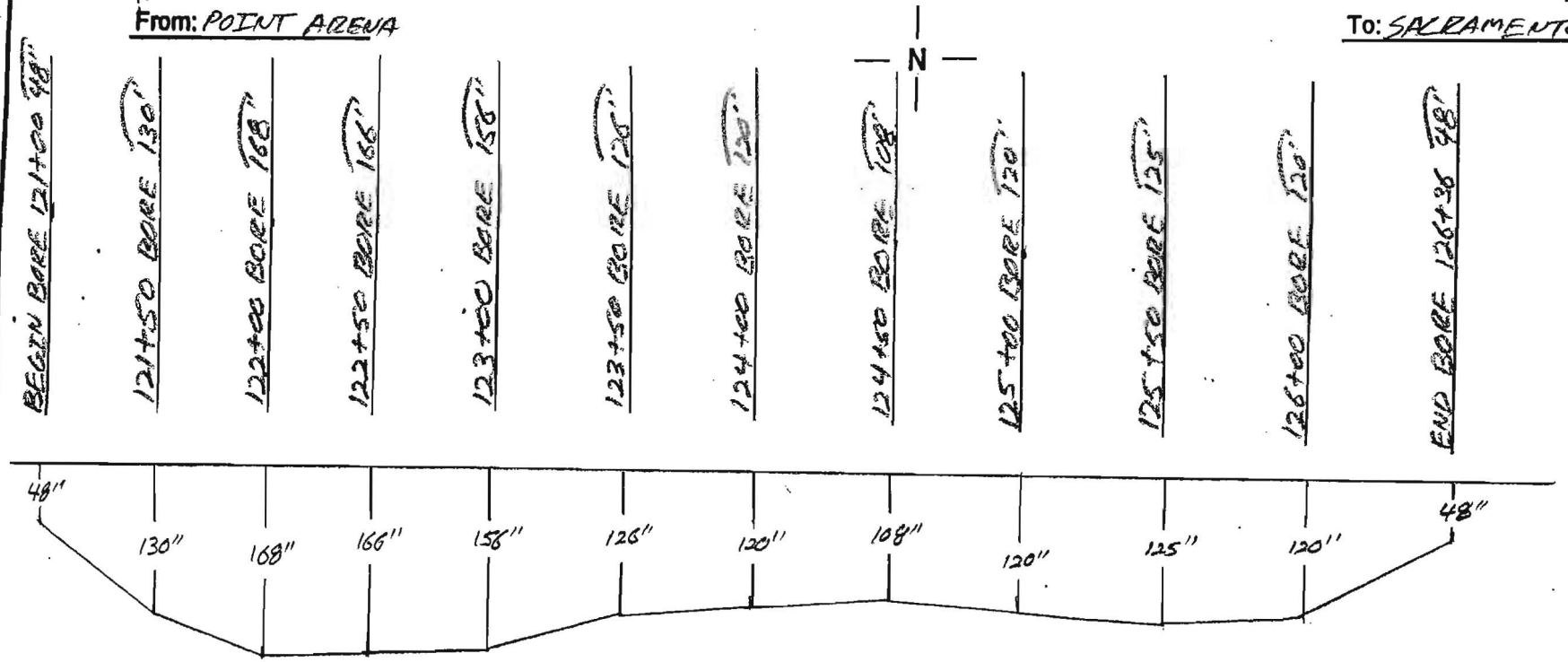
Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-[illegible]00
Page No. [illegible]2
Drawing #: SARC-101, 102

From: POINT ARENA

To: SACRAMENTO

N



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

126+65 15' LT. POLE

128+14 17' LT. FIBER MARKER

130+04 PAVEMENT

130+13 24' LT. POLE

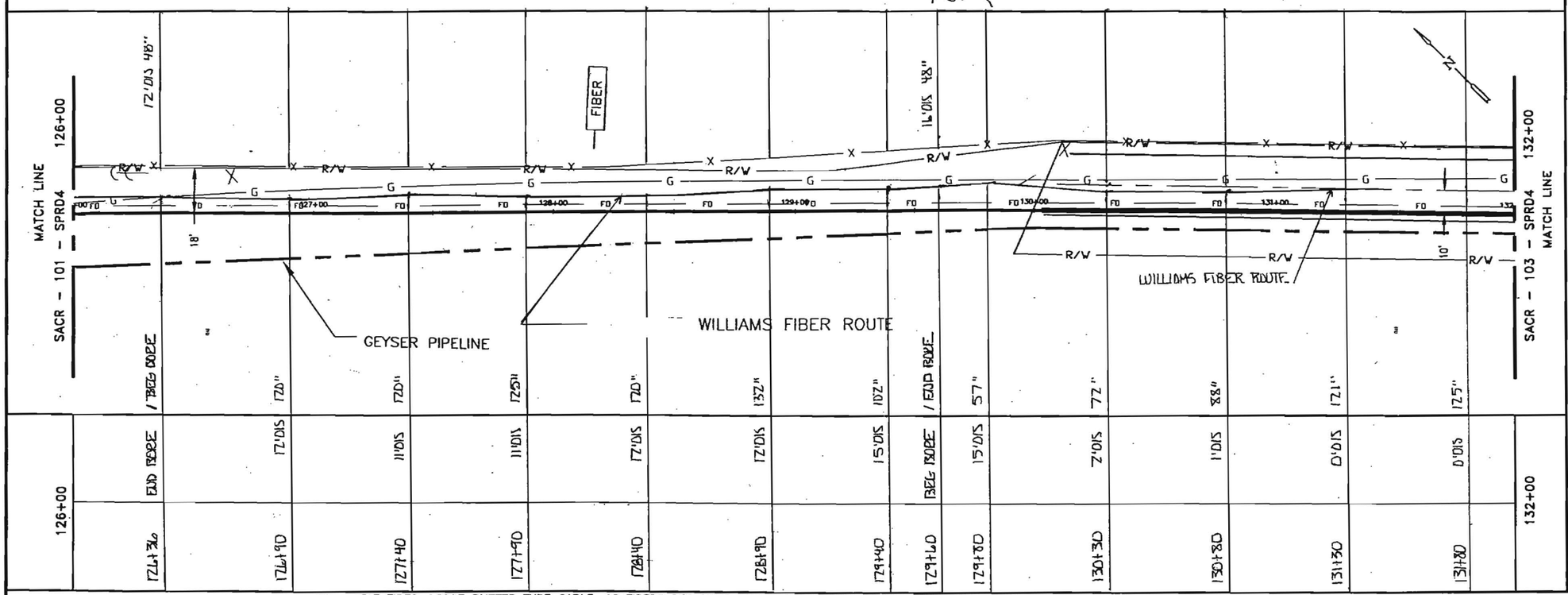
ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →

TOOL OFFSETS FROM FENCE ON EAST SIDE OF ROAD.



	/ BEG BORE	17'0"	17'0"	17'5"	17'0"	13'2"	10'2"	/ END BORE	5'7"	7'2"	8'8"	17'1"	17'5"	
126+00	END BORE	17'0"	11'0"	11'0"	17'0"	17'0"	15'0"	BEG BORE	15'0"	7'0"	1'0"	0'0"	0'0"	132+00
	12744.36	12761.90	12771.40	12771.90	12781.40	12791.90	12791.40	12791.60	12798.80	13013.30	13018.80	13113.30	13118.30	

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

12678.0		12941.60
12744.36		13214.00
36'		74.40'
7.11 2-1.5" HDPE 1-1.25" HDPE ERIK SALLING 17_19_00 ABS.	DIS TAKEN FROM FENCE! E SIDE OF ROAD	7.11 2-1.5" HDPE 1-1.25" HDPE ERIK SALLING 17_20_00

IN BLACK 1.25" HDPE
GSA TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
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3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
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LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-102-SPRD4

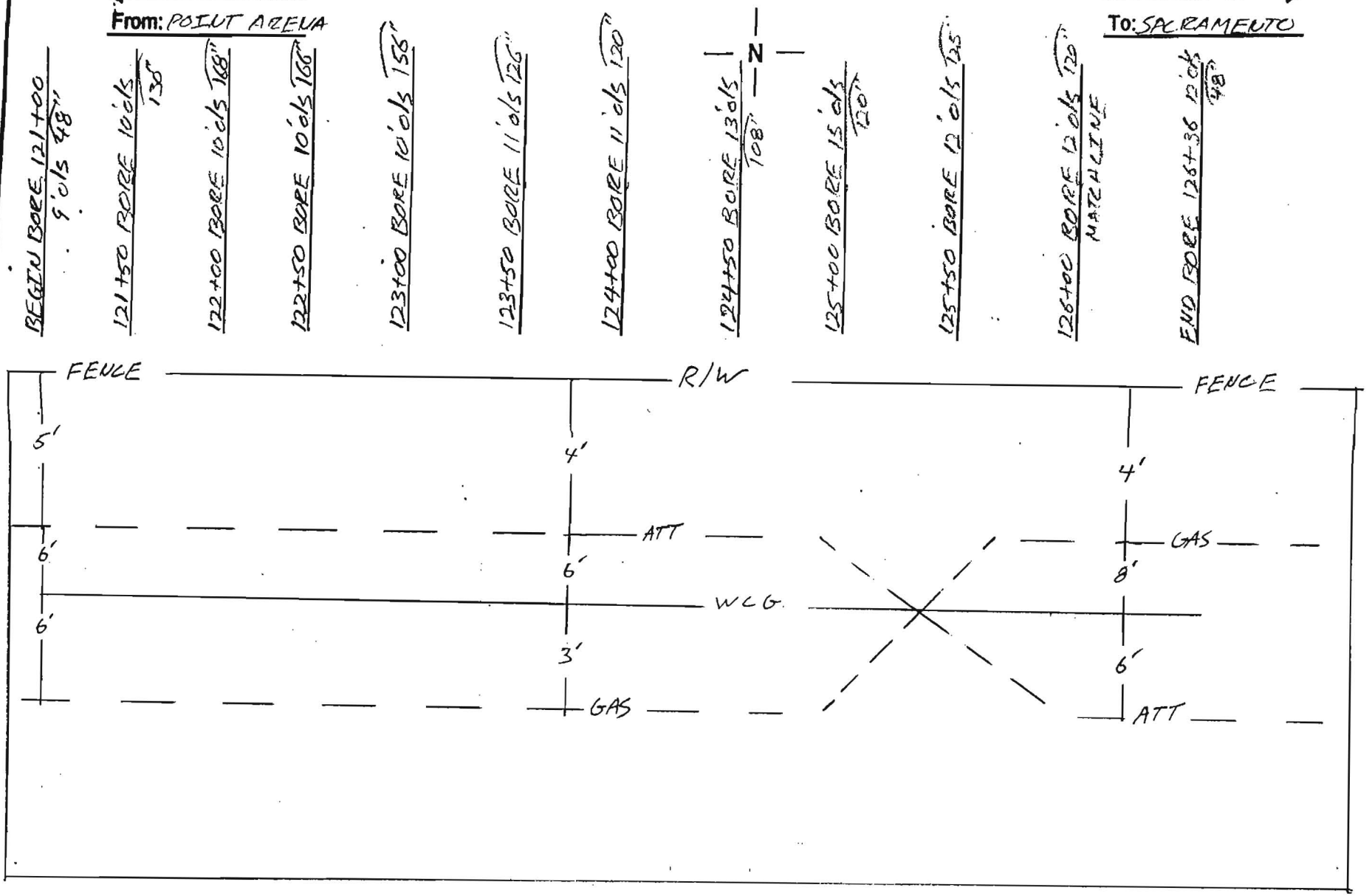
Williams Construction As-Built Documentation

Spread Locat. SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-16-00
Page No. 2
Drawing #:
SARC-101, 102

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

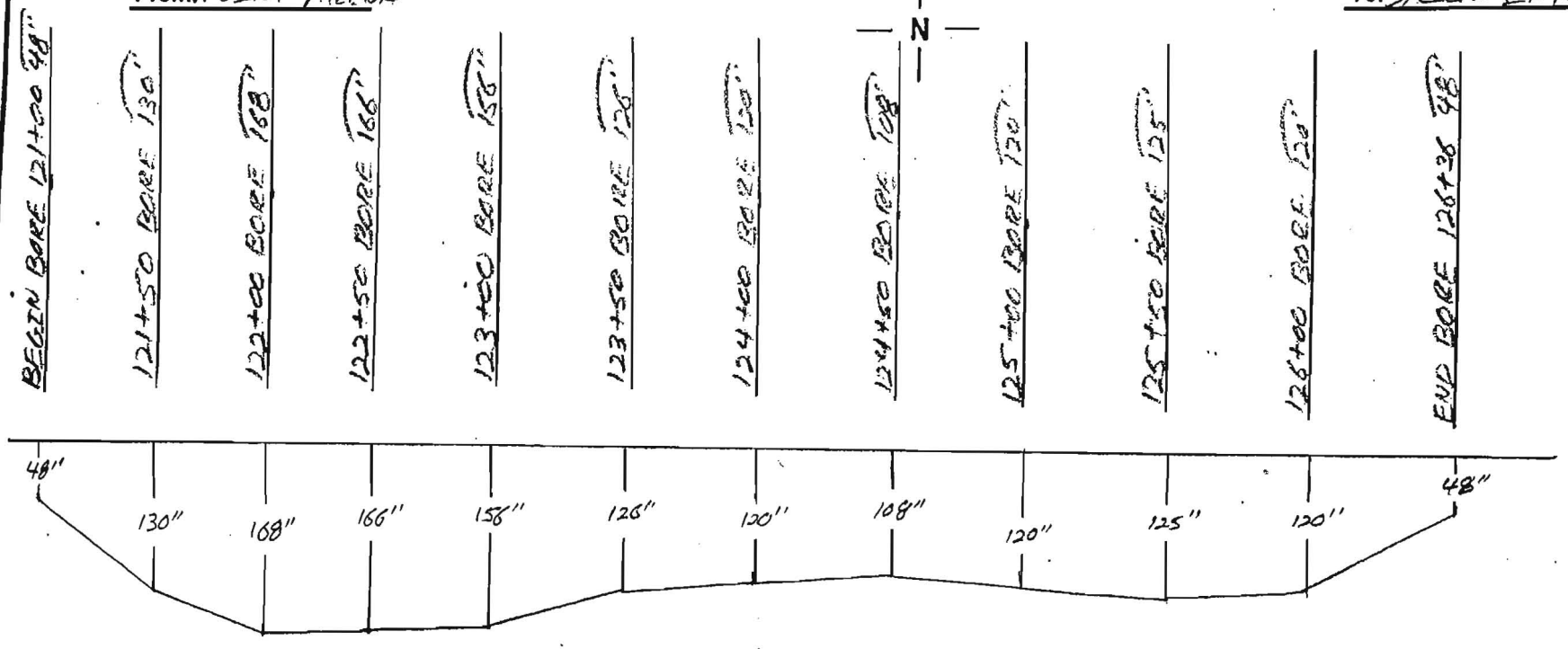
Spread Locat. SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-19-00
Page No. 2
Drawing #: SARC-101,102

From: POINT ARENA

To: SACRAMENTO

N



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 ½"
1-BLUE 1"½", 1-BLACK 1"½"

Contractor: TIDEWELL
SUB-AQUARECO BORING

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-16-00
Page No.
Drawing #: SARL-102

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 126+36
12'o/s 48"

126+65 POLE 12'o/s

126+90 BORE 12'o/s 120"

127+40 BORE 11'o/s 120"

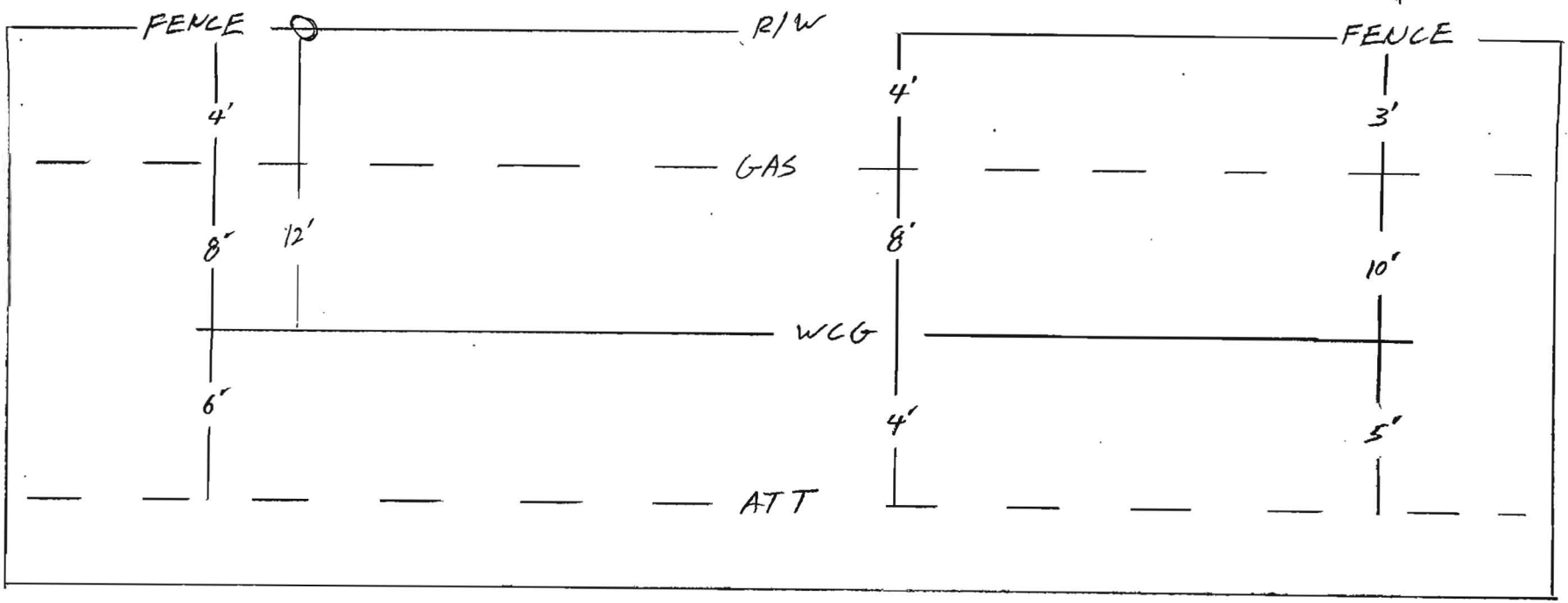
127+90 BORE 11'o/s 125"

128+40 BORE 12'o/s 120"

128+90 BORE 12'o/s 132"

129+40 BORE 15'o/s 102"

END BORE 129+40 16'o/s 48"



Notes:	County: SONOMA	Contractor: TIDWELL SUB- ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLIVO

Williams Construction As-Built Documentation

Spread Locat[illegible] SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

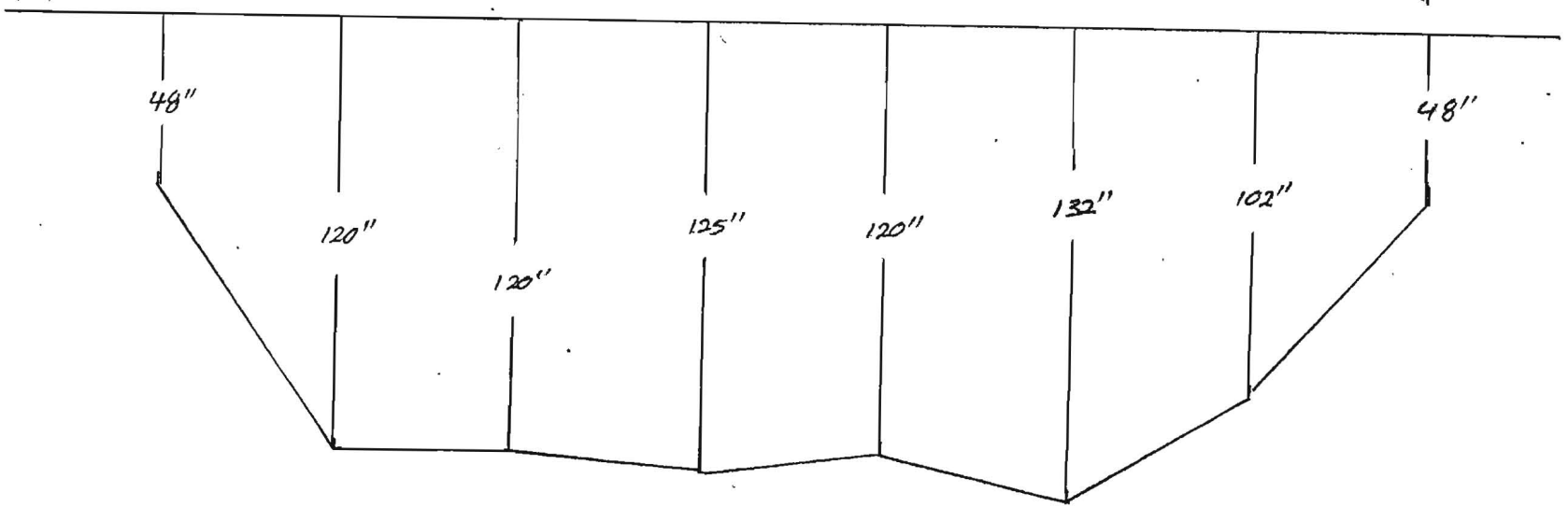
Date: 12-19-00
Page No. [illegible]
Drawing #: SARC-102

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 126+36
12'o/s 48"
126+65 POLE 12'o/s
126+90 BORE 12'o/s 120"
127+40 BORE 11'o/s 120"
127+90 BORE 11'o/s 125"
128+40 BORE 12'o/s 120"
128+90 BORE 12'o/s 132"
129+40 BORE 15'o/s 102"
END BORE 129+66 16'o/s 48"

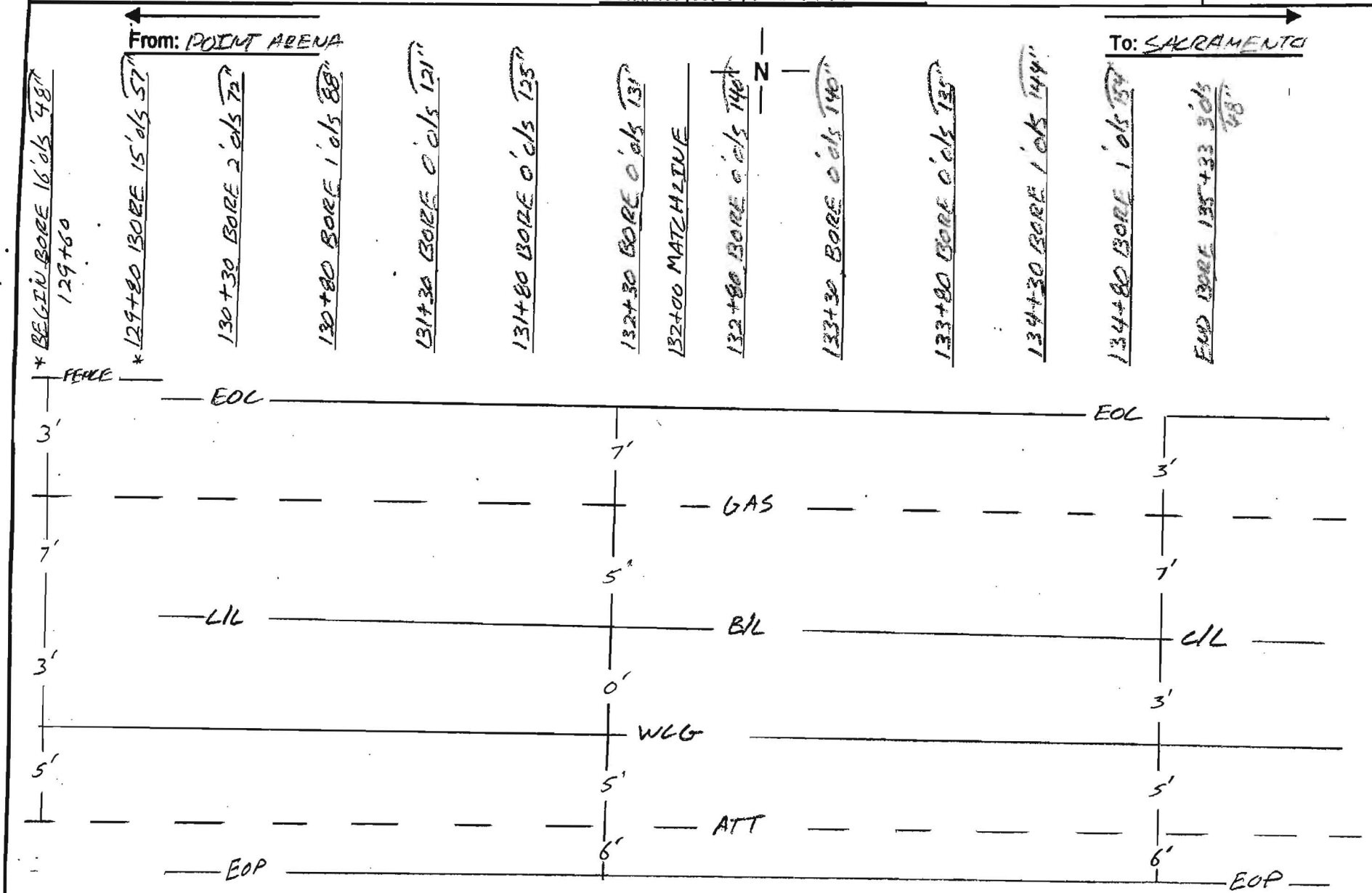


Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]-00
Page No. [illegible]
Drawing #: SARC-102, 103



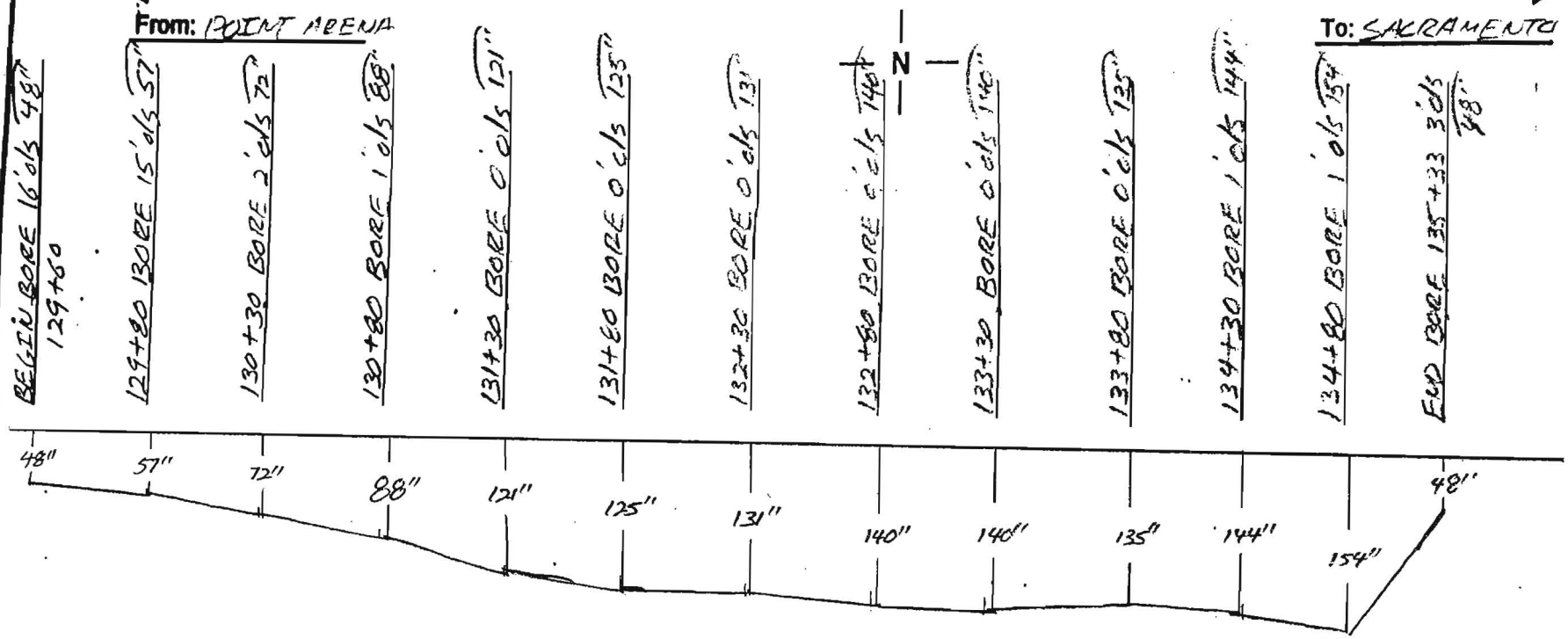
Notes: * TOOK OFFSETS FROM FENCE ON NORTH SIDE OF ROAD.	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Local: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

Date: 12-20-00
Page No. 3
Drawing #: SARC-102, 103

From: POINT ARENA — To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADUARED BORING
	Duct Configuration: 1-ORANGE 1"½" 1-BLUE 1"½", 1-BLACK 1"½"	Inspector: ERIK BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

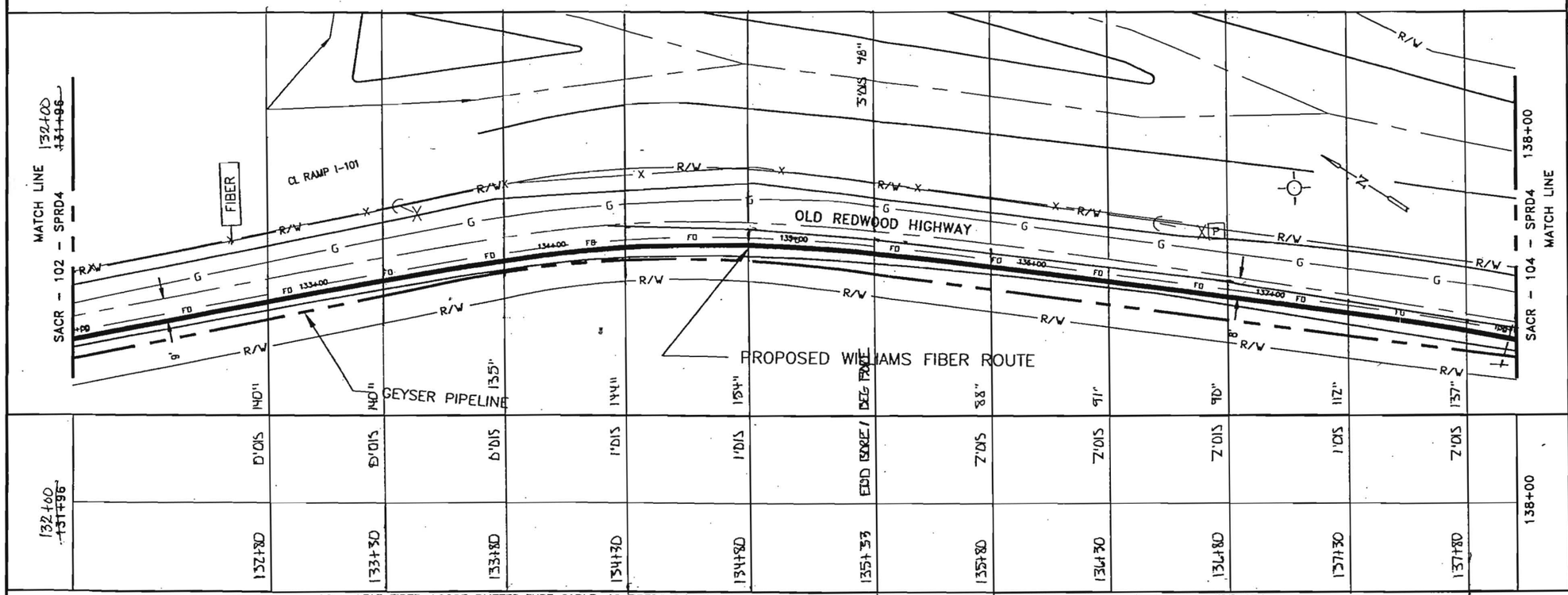
132+69 26' LT. FIBER MARKER
133+46 24' LT. POLE
136+69 27' LT. POLE
136+75 26' LT. TRAFFIC BOX
137+04 48' LT. LIGHT POLE
138+00 CULVERT
138+00 12' RT. CULVERT

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

132+60
135+33
353'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12.20.00
ABS -

135+33
138+00
267'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12.18.00
ABS.

IN BLACK 1.25" HDPE
GGA TRACER WIRE
GLORIA TARDE
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

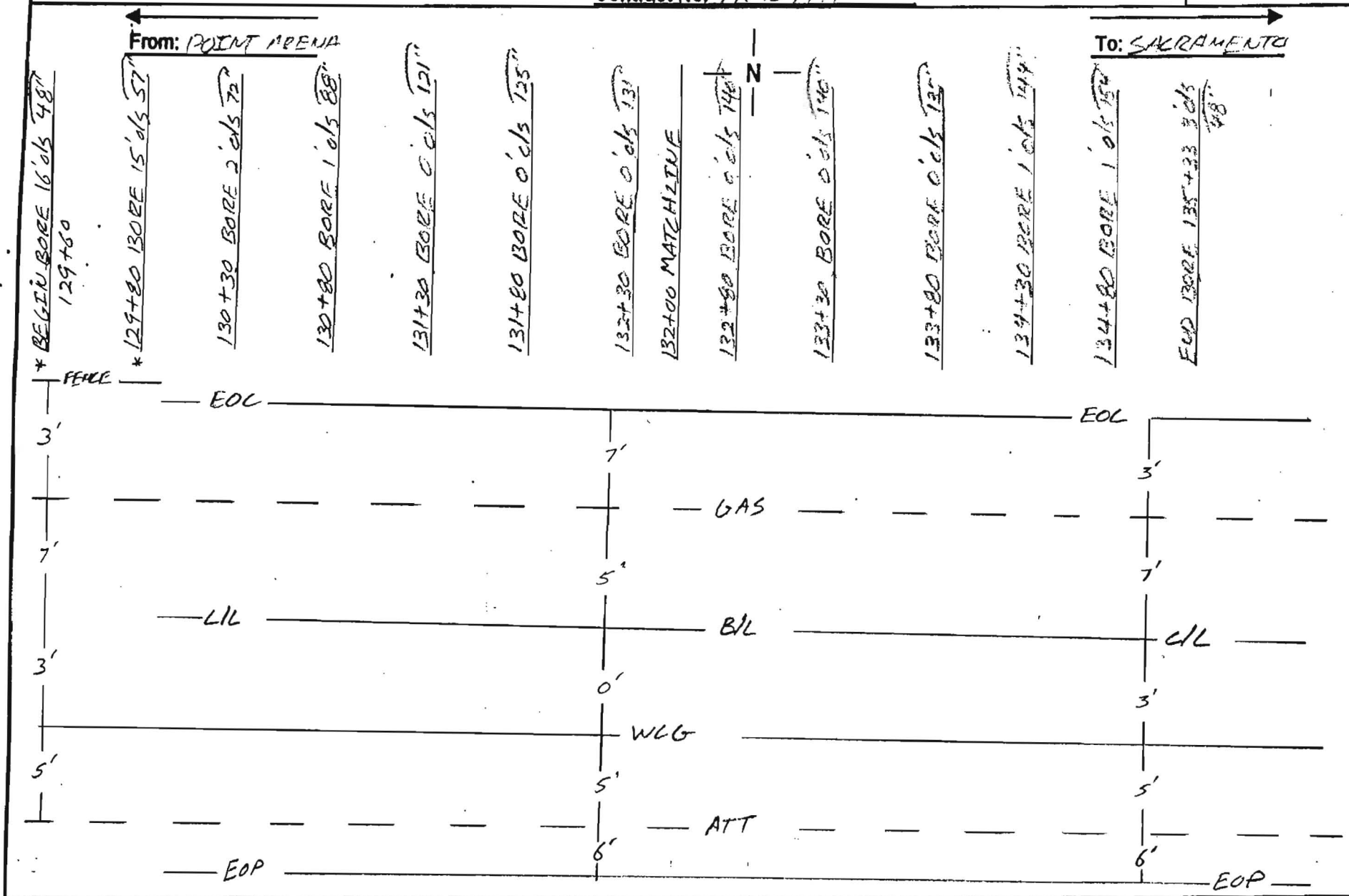
POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-103-SPRD4

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-2[illegible]-00
Page No. 1 [illegible]
Drawing #: SARC-102, 103



Notes: * TOOL OFFSETS FROM FENCE ON NORTH SIDE OF ROAD.

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

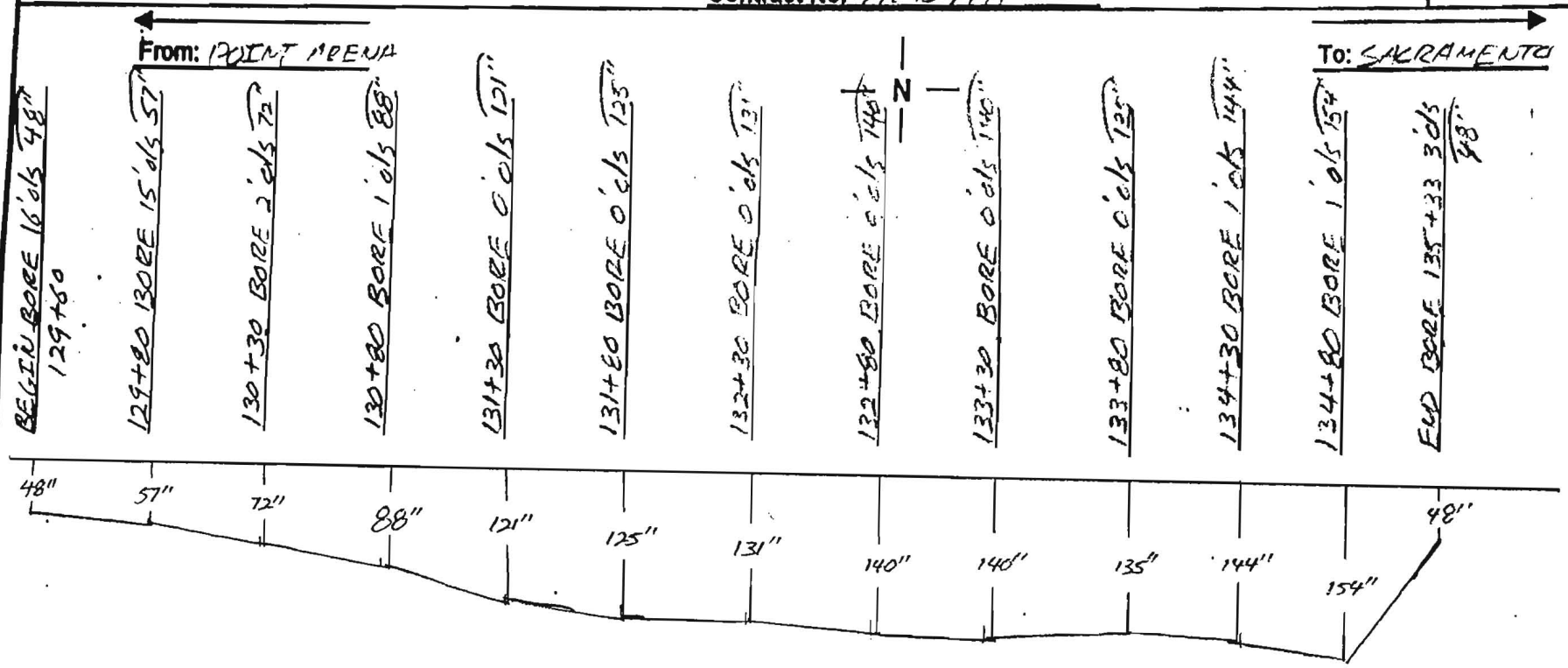
Duct Configuration: 1-ORANGE 1 1/2", 1-BLUE 1 1/2", 1-BLACK 1 1/4"

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Locat[redacted] SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

Date: [redacted]
Page No. 1 [redacted]
Drawing #: SARC-102, 103



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

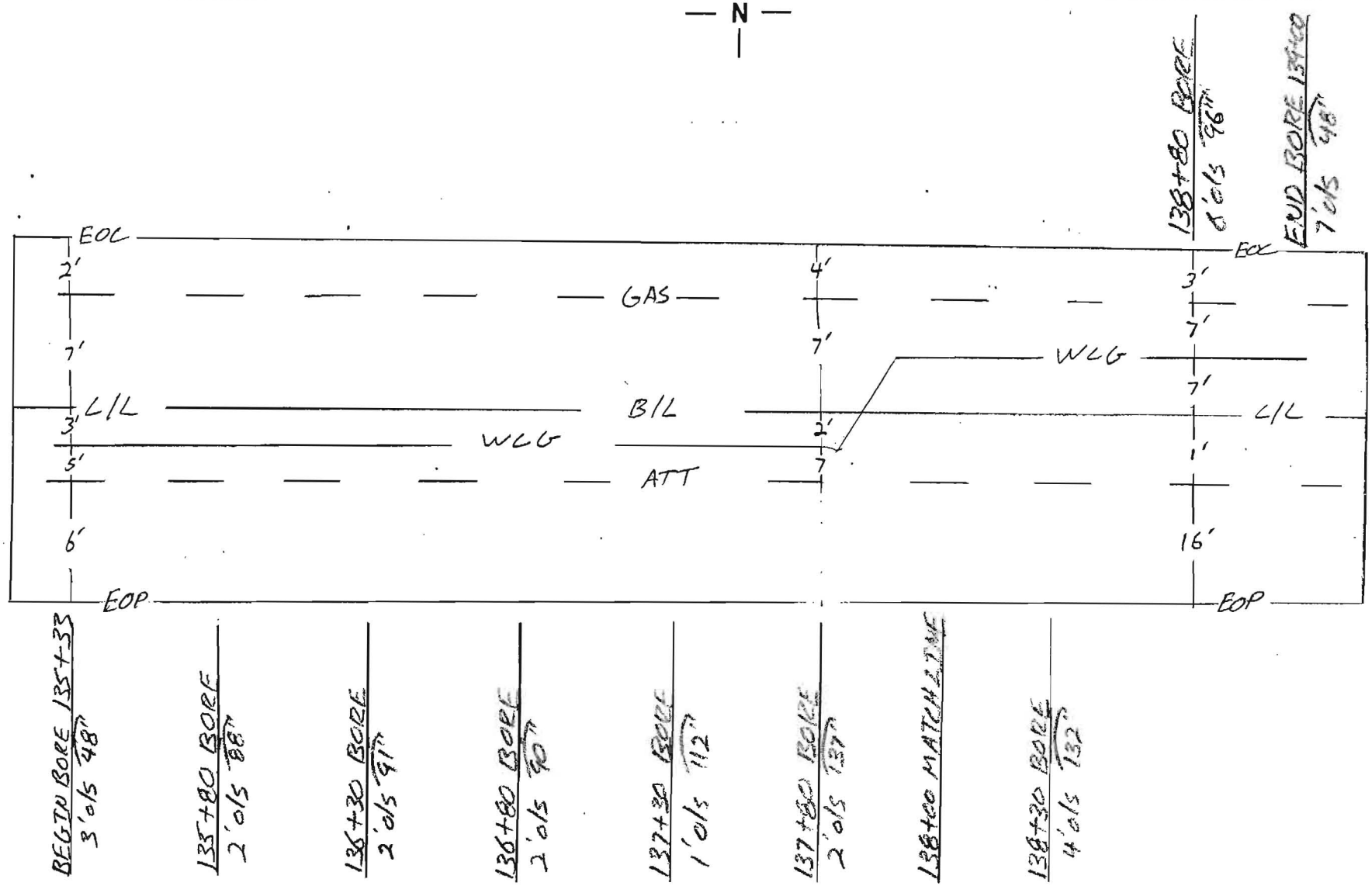
Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-1[illegible]00
Page No. 2
Drawing #: SAIL-103, 104

From: POINT ARENA

To: SACRAMENTO

N

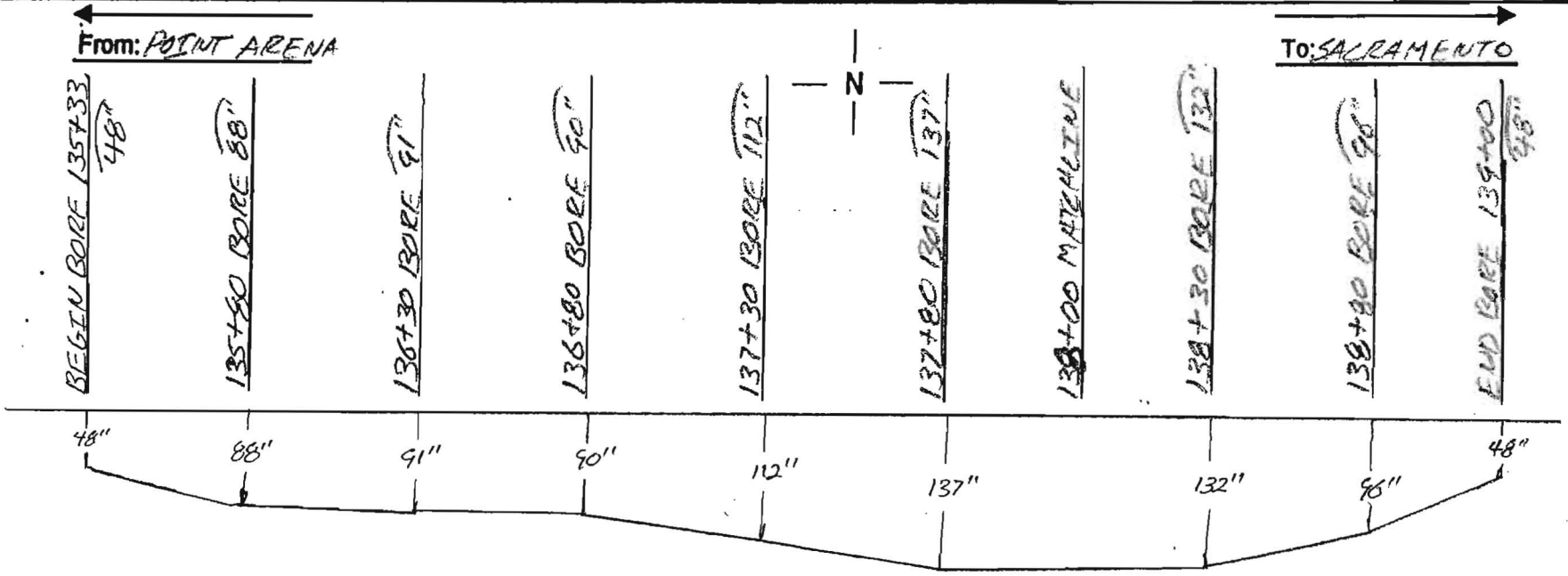


Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]-00
Page No. [illegible]2
Drawing #: SARC-103, 104



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

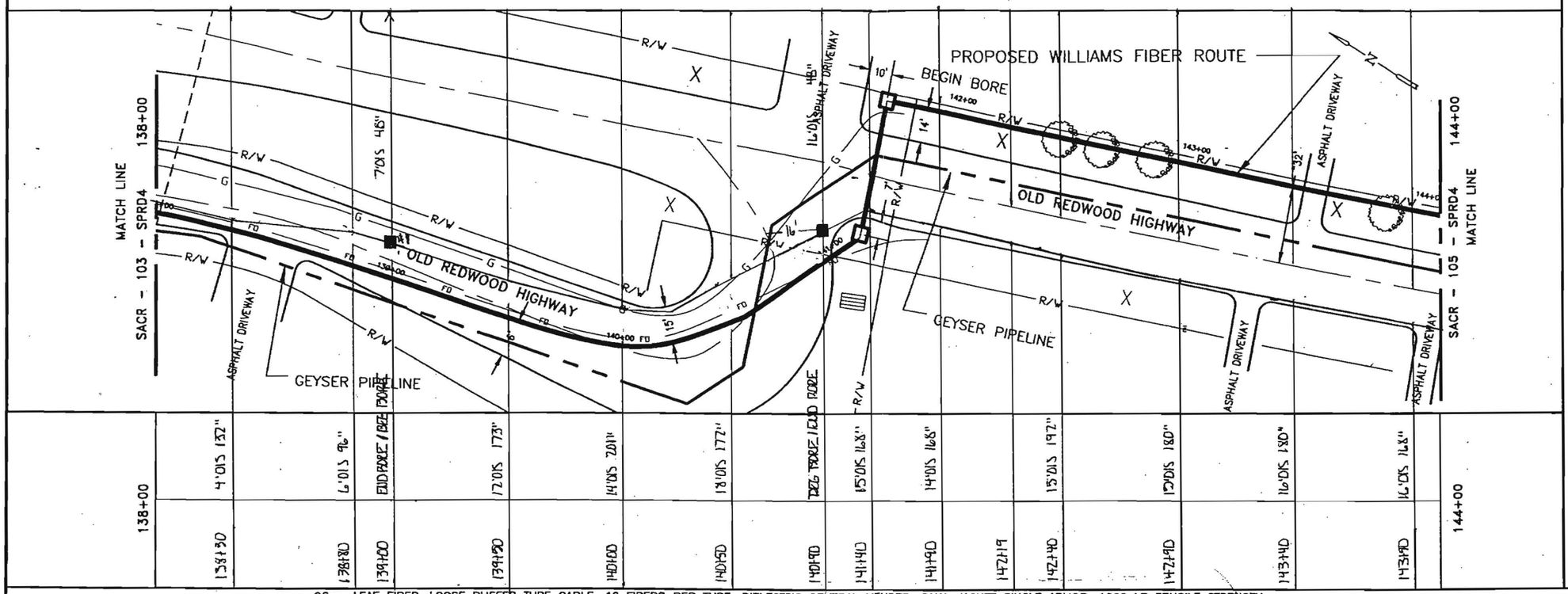
138+00 CULVERT
138+00 12" RT. CULVERT
138+47 CL DRIVEWAY
139+00 HDD MOD MANHOLE
ERIK BALLUE 1.9.00
140+40 54' LT. POLE
140+80 BURIED CABLE
140+80 CL PRIVATE ROAD
140+85 FIBER XING
140+95 19' RT. STORM DRAIN
141+14 STEEL PIPE
141+16 PLACE MANHOLE
141+17 STEEL PIPE
141+38 C/A OLD REDWOOD HWY
141+38 27' LT. CL DRIVEWAY
141+56 STEEL PIPE
141+58 PLACE MANHOLE
141+62 81' LT. POLE
142+19 6' RT. POLE
142+83 58' RT. POLE
143+32 31' RT. CL DRIVEWAY
143+51 12' RT. CL DRIVEWAY
143+61 5' RT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



138+00	4'OS 152"	6'OS 96"	EUCALYPTUS / BEE TREE	12'OS 173"	14'OS 201"	18'OS 177"	DEAD TREE / LOOD ROPE	15'OS 168"	14'OS 168"		15'OS 192"	12'OS 180"	16'OS 190"	16'OS 168"	144+00
	138+80	138+80	139+00	139+80	140+00	140+50	140+90	141+40	141+50	141+72	141+74	142+74	143+14	143+36	

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
1-1.25" BLACK HDPE, 1-1.5" BLUE HDPE, 1-1.5" ORANGE HDPE

138+00	139+00		144+90	
139+00	140+90		144+00	
100'	190'		310'	
Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLUE 17_18_00 ABS_	Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLUE 17_19_00 ABS_		Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLUE 17_18_00 ABS_	

IN BLACK 1.25" HDPE
GOTA. TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

44	Interstate Hwy.		Regen Site
66	U.S. Hwy.		P.O.P./Jct.
11	State Hwy.	S	Handhole Splice
A	County Road	H	Handhole
	RR Mile Mkr.	S	Manhole Splice
	Misc. Road Sign	M	Manhole
	New Fiber Cable	SS	SS Manhole
	Township Line	×	Power Pole
	City Limits	W	Water Valve / Meter
	R/W Line	G	Gas Valve / Meter
	River/Stream		Signal Pole
	CL Road		Fire Hydrant
	CL RR Tracks		Gas Marker
	Fence		Oil Marker
	Oil Pipeline		
	Gas Pipeline		Fiber Marker
	Power Line		Water Inlet
	Water Line		
	San. Sewer		
	Storm Drain		
	Telephone Line		
B.I.P.	Black Iron Pipe		
G.I.P.	Galvanized Iron Pipe		
EP	Edge of Pavement		
EG	Edge of Gravel		
FC	Face of Curb		
FL	Fog Line and/or White Line		

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE. WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE	MW	10/12

CABLE DESCRIPTION	
CABLE FIBER COUNT MFG. TYPE OF GLASS	
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
PIPE & INNERDUCT PLACEMENT	
INNERDUCT & TYPE (COLOR/SMOOTH/COLOR)	
STEEL PIPE SIZE	
PVC	
FUTURE UNIT PLACE	
FUTURE-2	
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

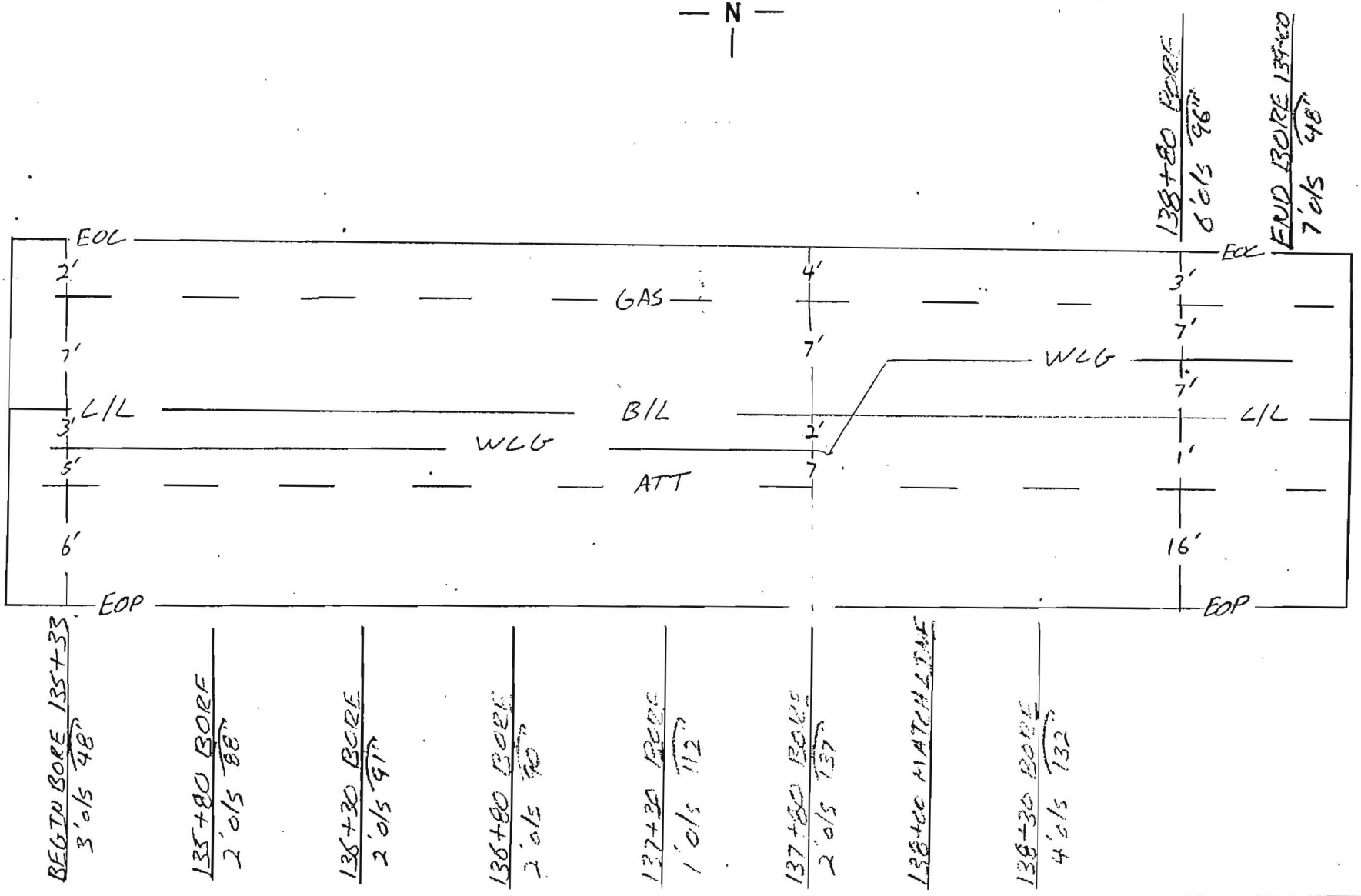
DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-104-SPRD4

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-18-00
Page No. 2
Drawing #: SARC-103, 104

From: POINT ARENA
To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

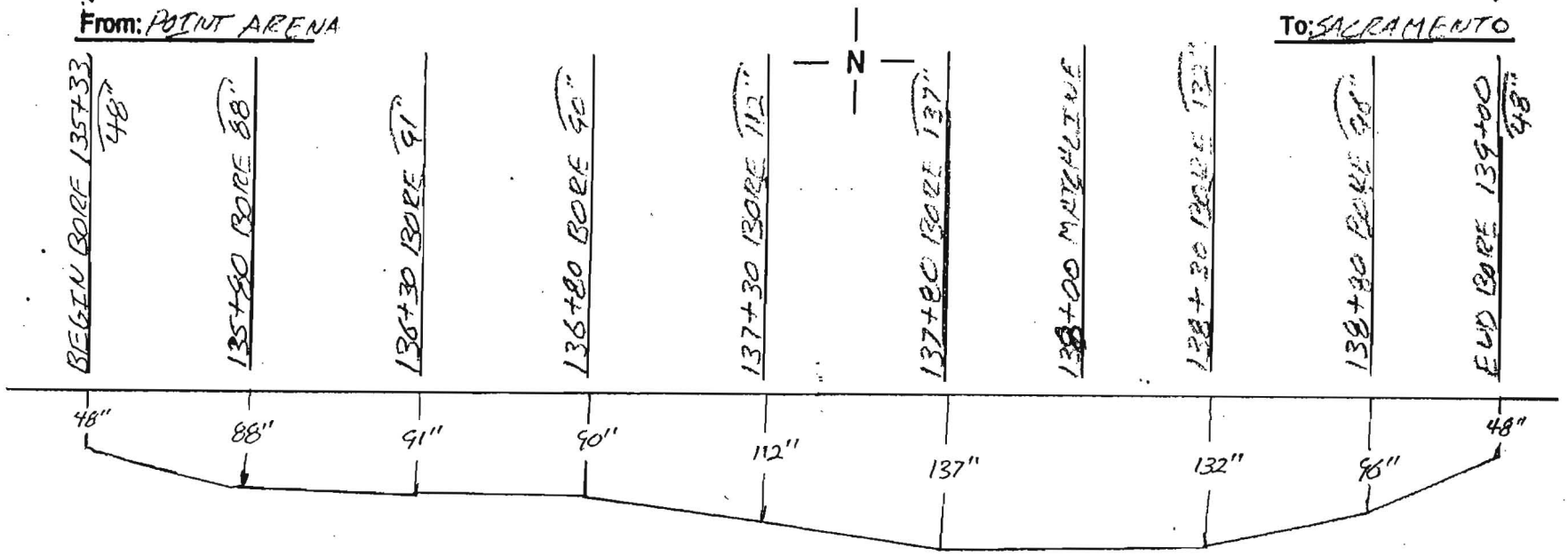
Williams Construction As-Built Documentation

Spread Locat[illegible] SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P54.11

Date: 1/[illegible]
Page No. [illegible]2
Drawing #: SARC-103,104

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY

Spread No. 4A

AFE No. 4875

Contract No. 99P154,11

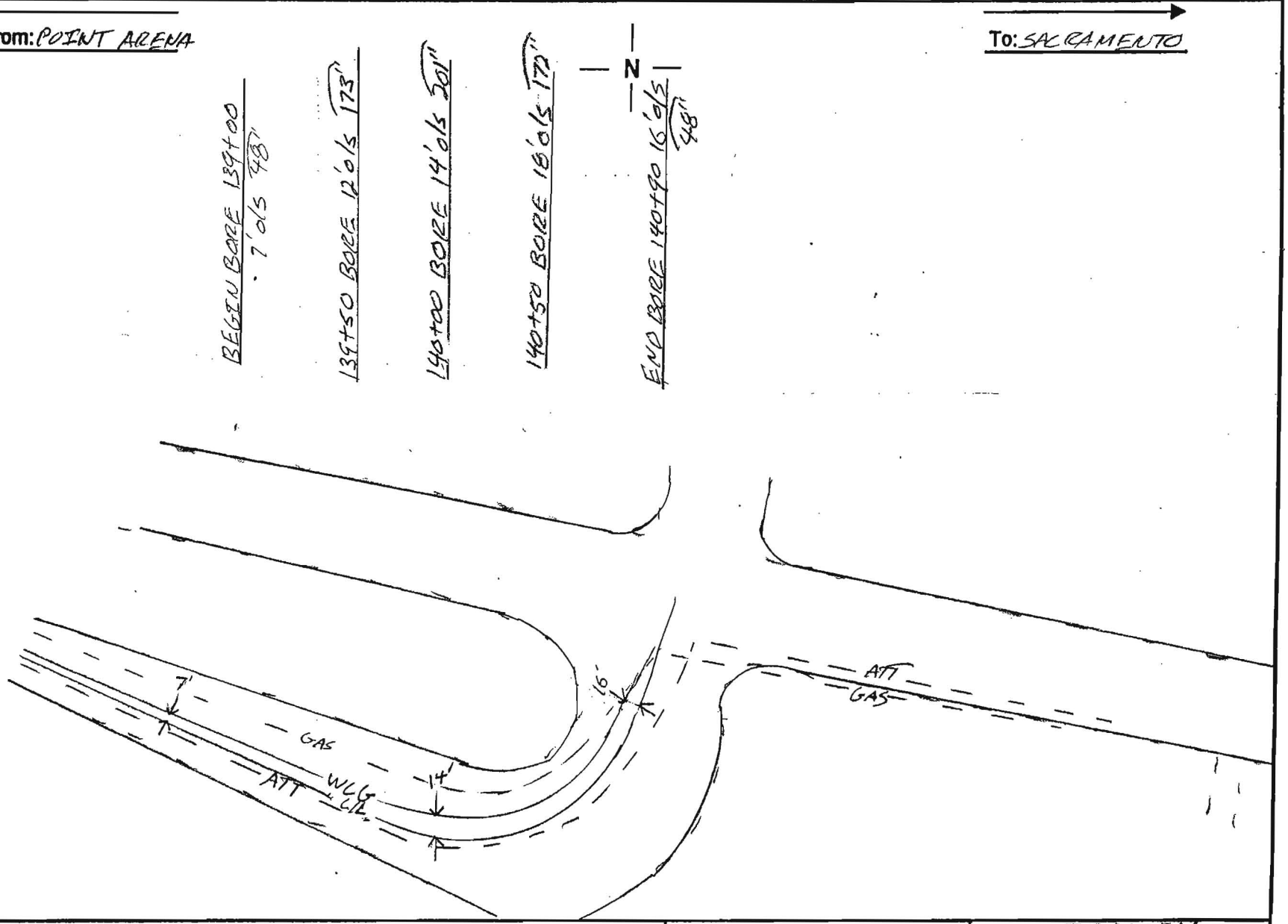
Date: 12-19-00

Page No. 1 of 2

Drawing #: SAR2-104

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1"6" 1-BLUE 1"2", 1-BLACK 1"4"	Inspector: ERIK KALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY

Spread No. 4A

AFE No. 4875

Contract No. 99P154,11

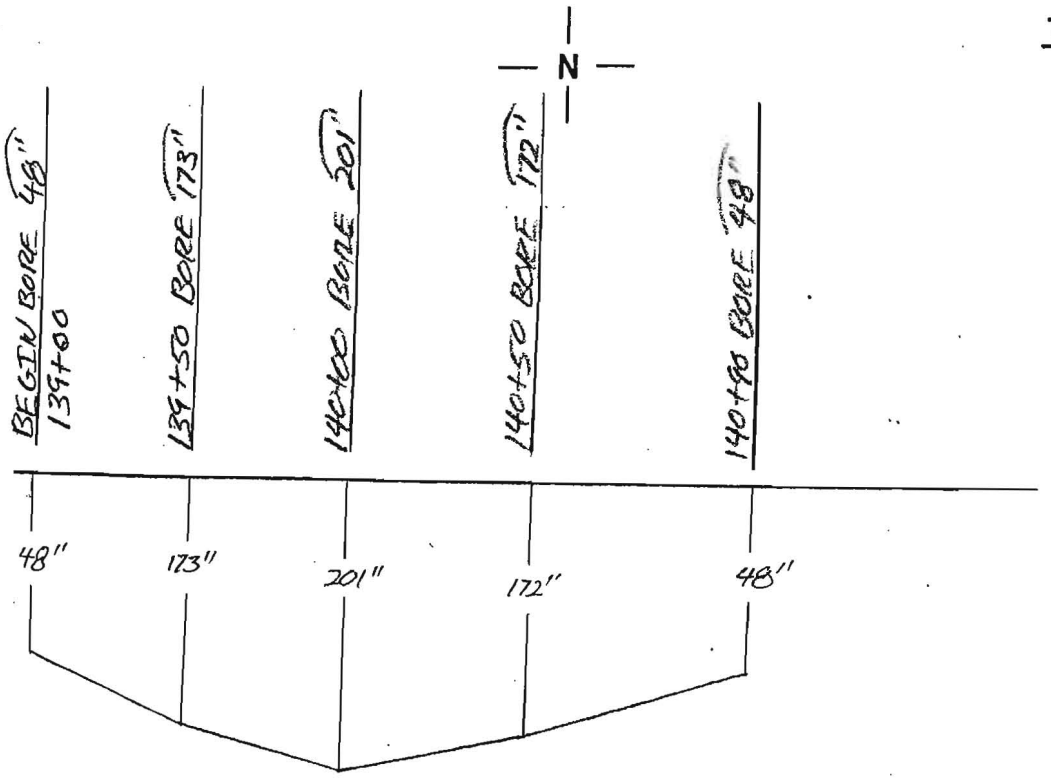
Date: 12-10-00

Page No. 2 of 2

Drawing #: SARC-104

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIC BALLING

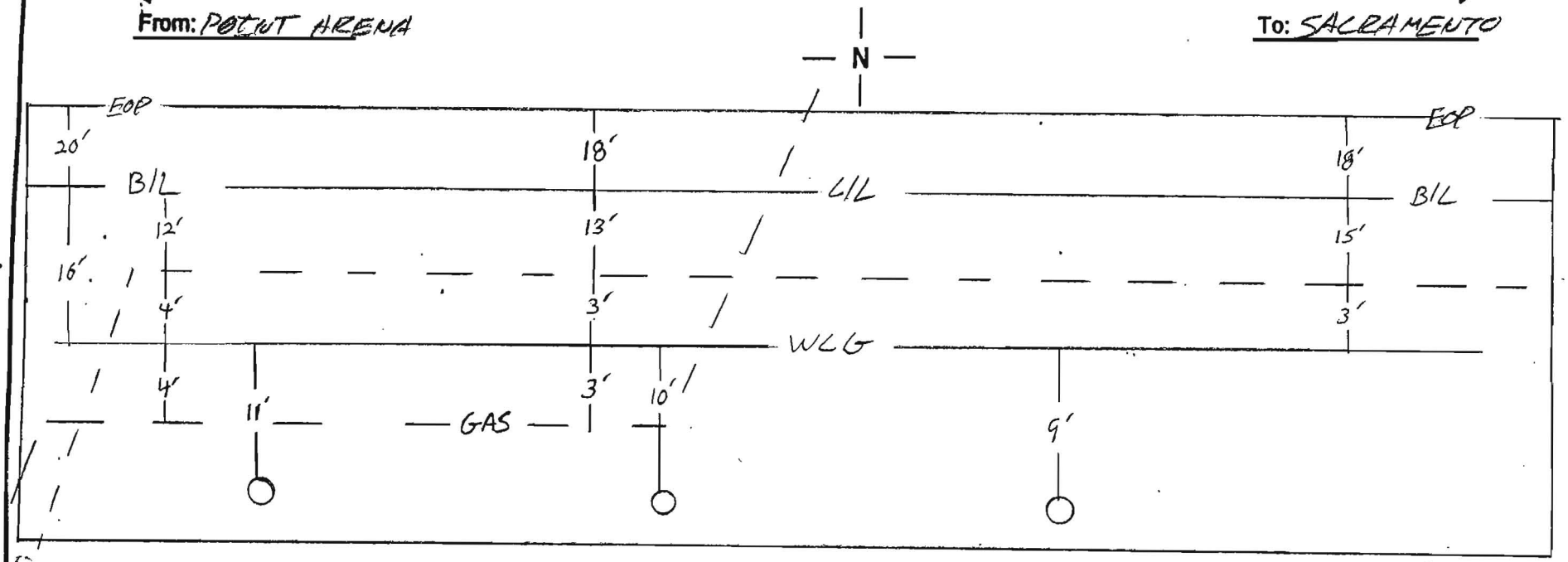
Williams Construction As-Built Documentation

Spread Locat. SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-1[illegible]-00
Page No. [illegible]2
Drawing #: SARC-103,104

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 140+90 16'o/s 48"
141+40 BORE 15'o/s 168"
141+90 BORE 14'o/s 168"
142+19 POLE 11'o/s
142+40 BORE 15'o/s 162"
142+90 BORE 15'o/s 180"
143+40 BORE 16'o/s 180"
143+90 BORE 16'o/s 168"
143+90 POLE 10'o/s
144+00 MATCHLINE
144+40 BORE 17'o/s 192"
144+90 BORE 20'o/s 192"
145+40 BORE 18'o/s 192"
145+90 BORE 17'o/s 190"
145+91 POLE 9'o/s
146+40 BORE 14'o/s 144"
146+90 BORE 19'o/s 144"
147+40 BORE 16'o/s 96"
147+90 BORE 18'o/s 96"
END BORE 148+00 18'o/s 48"

Notes:

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1½"

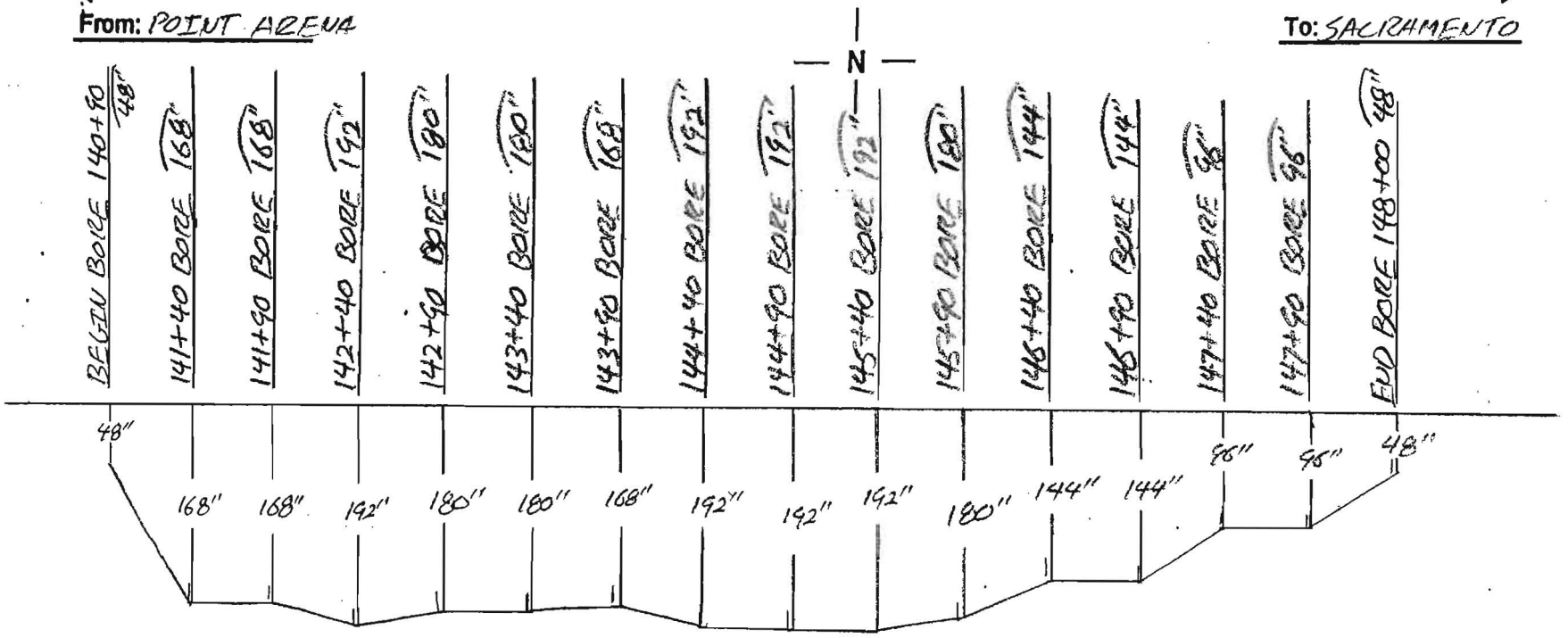
Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-16-00
Page No. 2
Drawing #: SARC-103, 104

From: POINT ARENA — To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

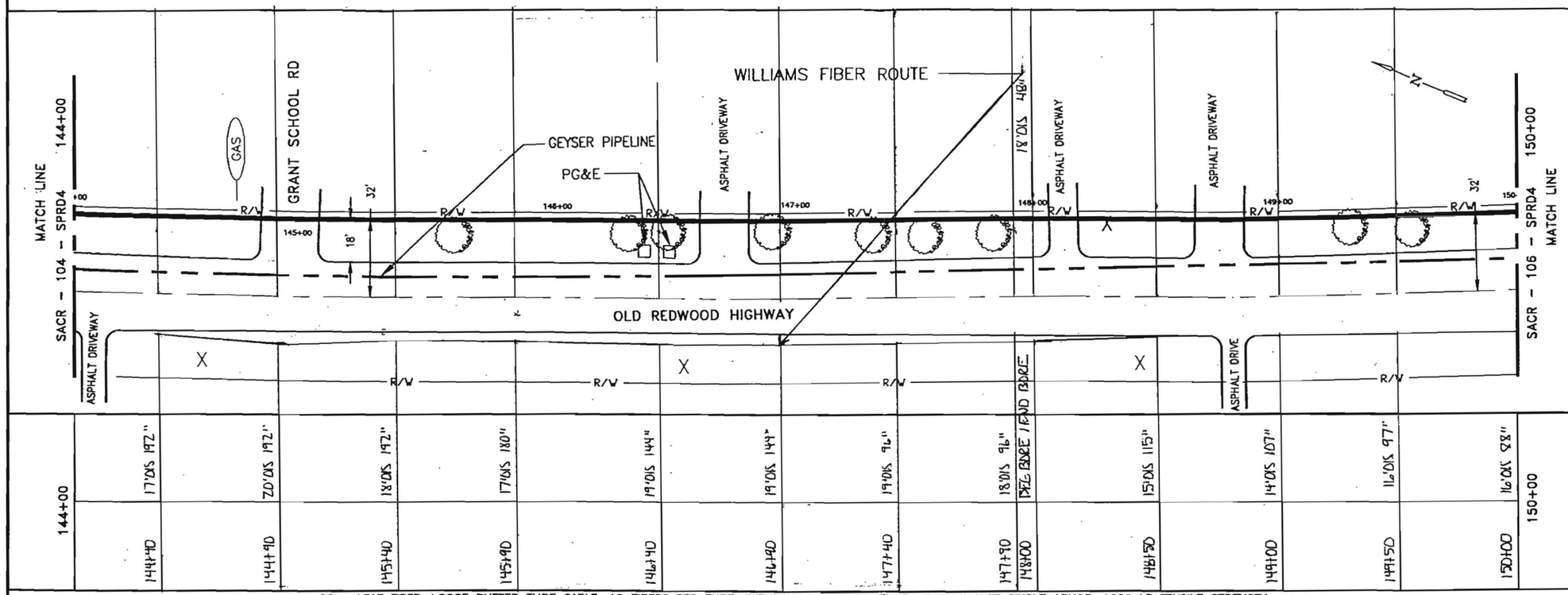
144+53 58' RT. POLE
146+52 59' RT. POLE
146+69 14' RT. CL DRIVEWAY
146+71 57' RT. MANHOLE
148+11 12' RT. CL DRIVEWAY
148+42 59' RT. POLE
148+75 12' RT. CL DRIVEWAY
148+80 31' RT. CL DRIVEWAY

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



144+00	144+40	145+00	145+40	146+00	146+40	147+00	147+40	148+00	148+50	149+00	149+50	150+00
	17'0S 192"	20'0S 192"	18'0S 192"	17'0S 180"	19'0S 144"	19'0S 144"	19'0S 96"	18'0S 96"	PACE BORE / ROAD BORE	15'0S 115"	14'0S 107"	11'0S 97"	16'0S 78"

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" HDPE BLACK, 2-1.5" HDPE BLUE, 2-1.5" HDPE ORANGE

144+00
148+00
400'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12_18_00
ABS_

148+00
150+00
200'
2.11
2-1.5" HDPE
1-1.25" HDPE
TODD HEIDRICK
12_15_00
ABS -

IN BLACK 1.25" HDPE
GGA TRACER WIRE
EDDIE TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OB Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	5/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–105–SPRD4

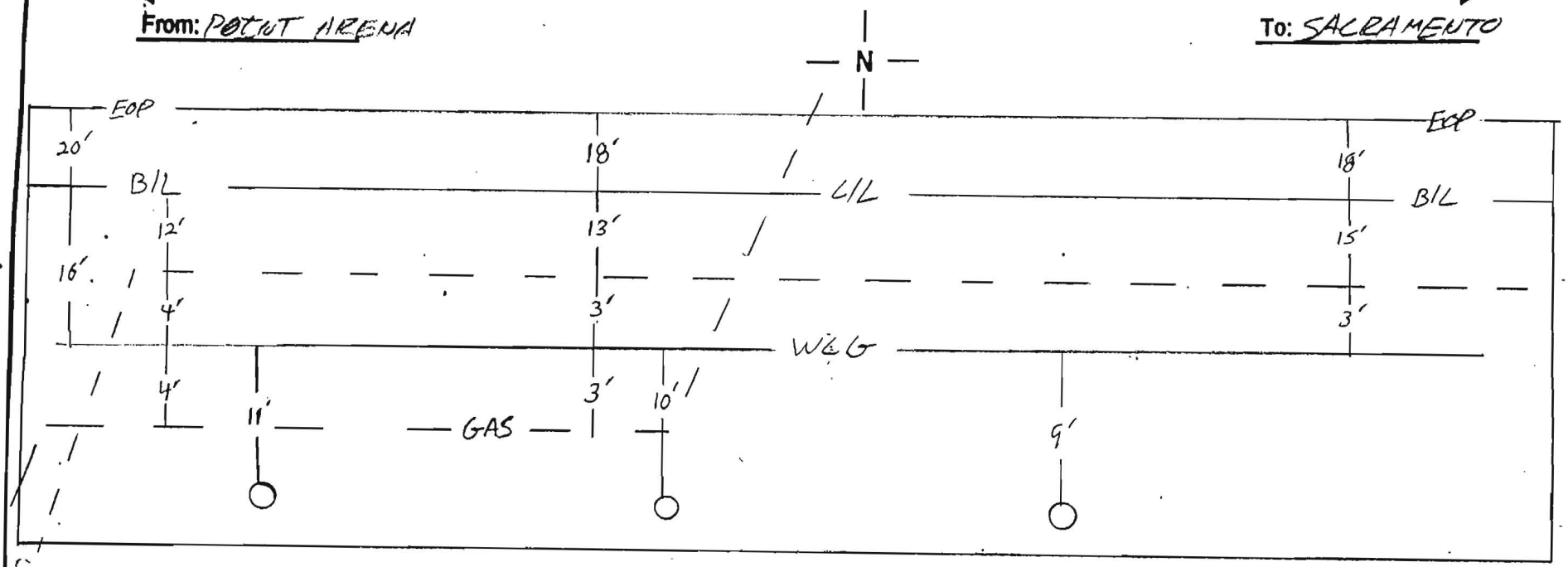
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-19-00
Page No. 2
Drawing #: SARC-103,104

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 140+90 16'o/s 48"
141+40 BORE 15'o/s 168"
141+90 BORE 14'o/s 168"
142+19 POLE 11'o/s
142+40 BORE 15'o/s 162"
142+90 BORE 15'o/s 120"
143+40 BORE 16'o/s 180"
143+90 BORE 16'o/s 168"
143+90 POLE 10'o/s
144+00 MITCHELINE
144+40 BORE 17'o/s 192"
144+90 BORE 20'o/s 192"
145+40 BORE 18'o/s 192"
145+90 BORE 17'o/s 180"
145+91 POLE 9'o/s
146+40 BORE 14'o/s 144"
146+90 BORE 15'o/s 144"
147+40 BORE 15'o/s 96"
147+90 BORE 18'o/s 96"
END BORE 148+00 18'o/s 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1¼" 1-BLUE 1¼" 1-BLACK 1¼"

Contractor: TIDWELL SUB-ADVANCED BORING

Inspector: LATIK BALLING

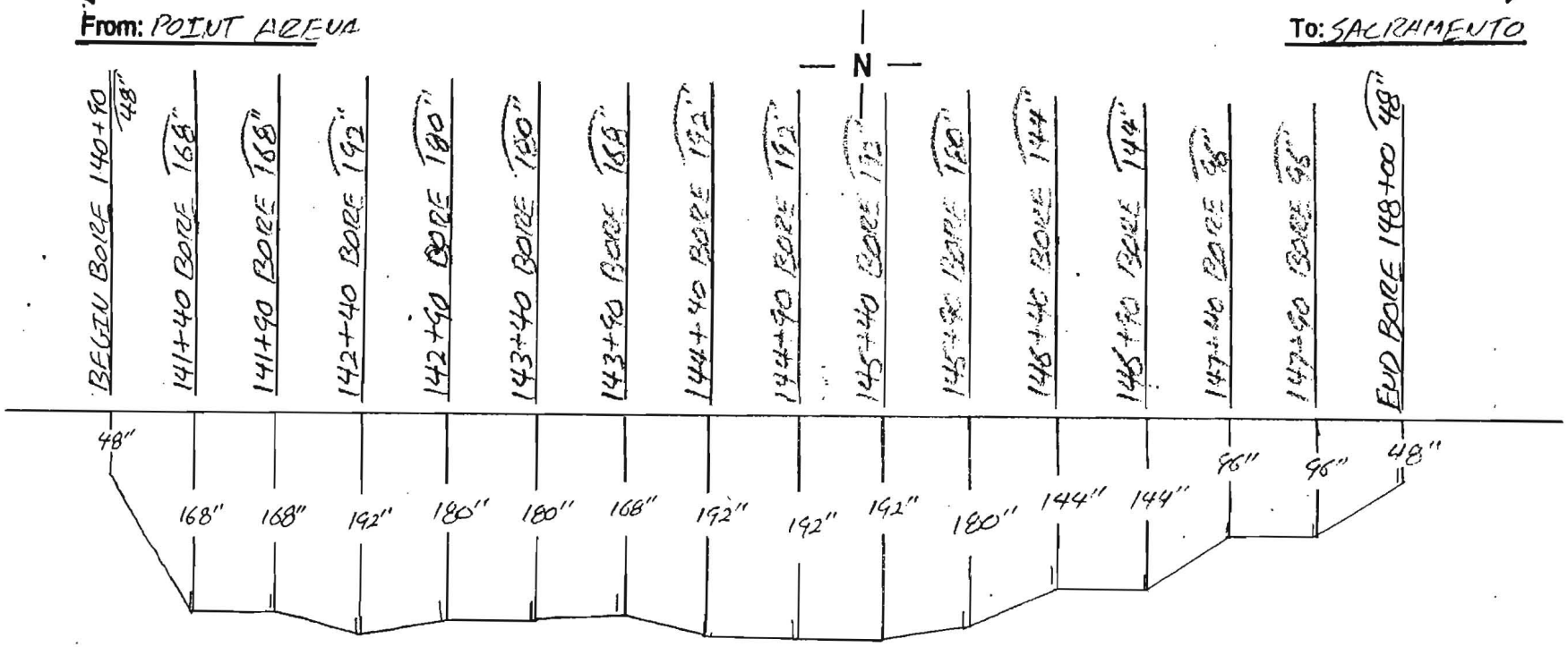
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-14-00
Page No. 2
Drawing #: SARC-103, 104

From: POINT AREUA

To: SACRAMENTO



Notes:

County: SONOMA

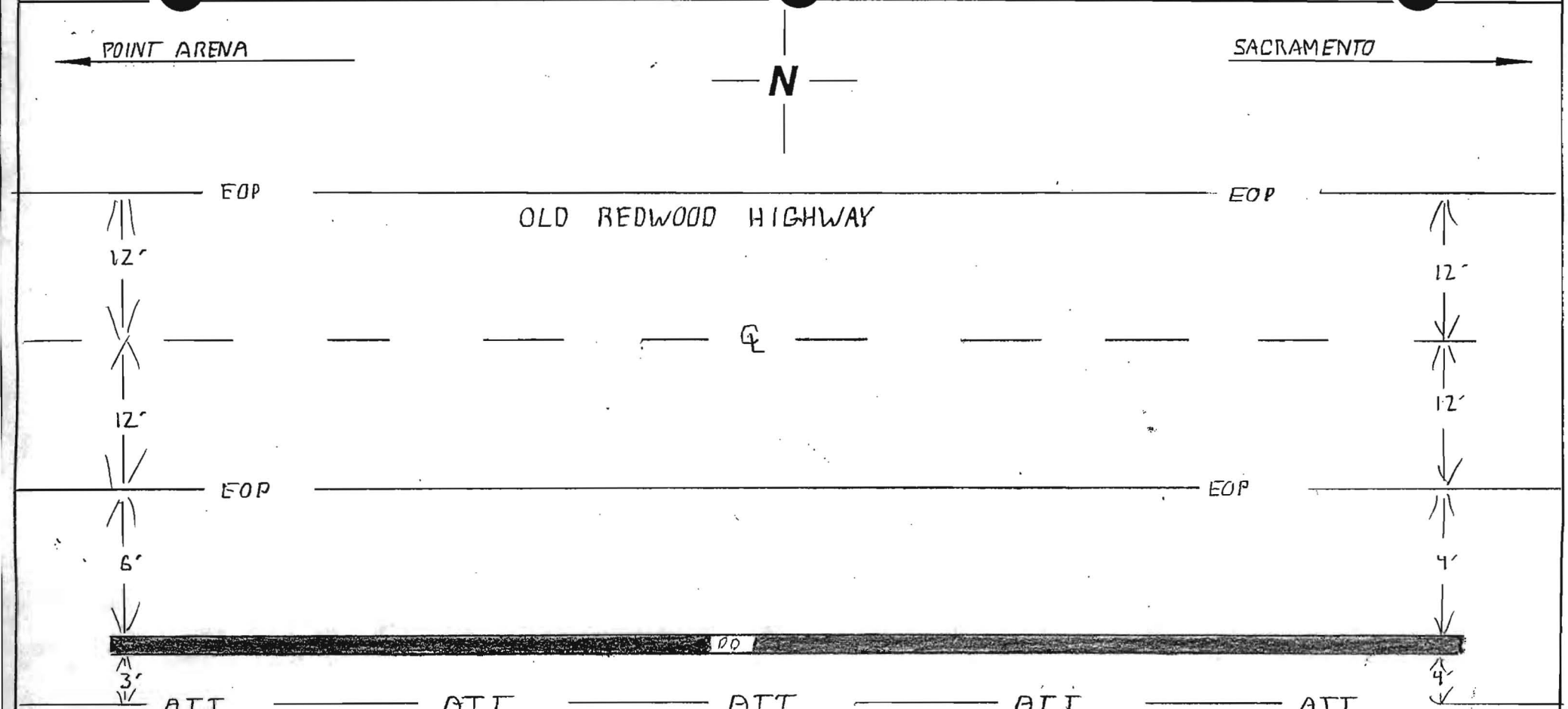
Contractor: TIDWELL
SUB - ADVANCED BORING

Duct Configuration: 1-ORANGE 1 1/2"
1-BLUE 1 1/2", 1-BLACK 1 1/4"

Inspector: ERIK BALLING

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
6-15-00	4875	105-106	A



NOTES: TOTAL FOOTAGE - 425'

COUNTY: SONOMA

CONTRACTOR: TIDWELL/ABS

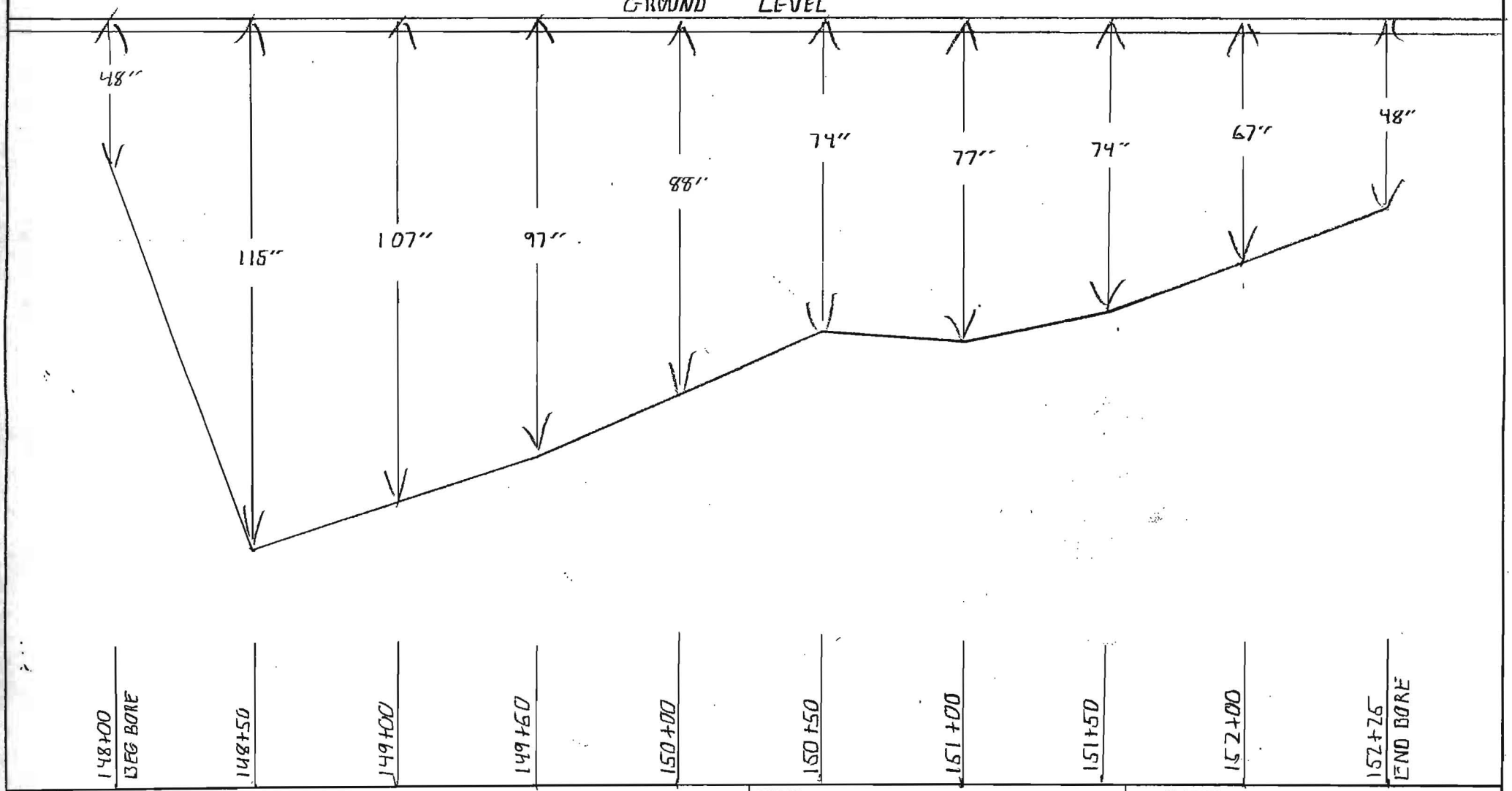
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE: 6-15-00	PROJECT: 4875	DWG/ALIGNMENT SHEET#: 105-106	SPREAD #:

PT. ARENA ← N → SAC



NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL / ABS

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HELDRICA

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

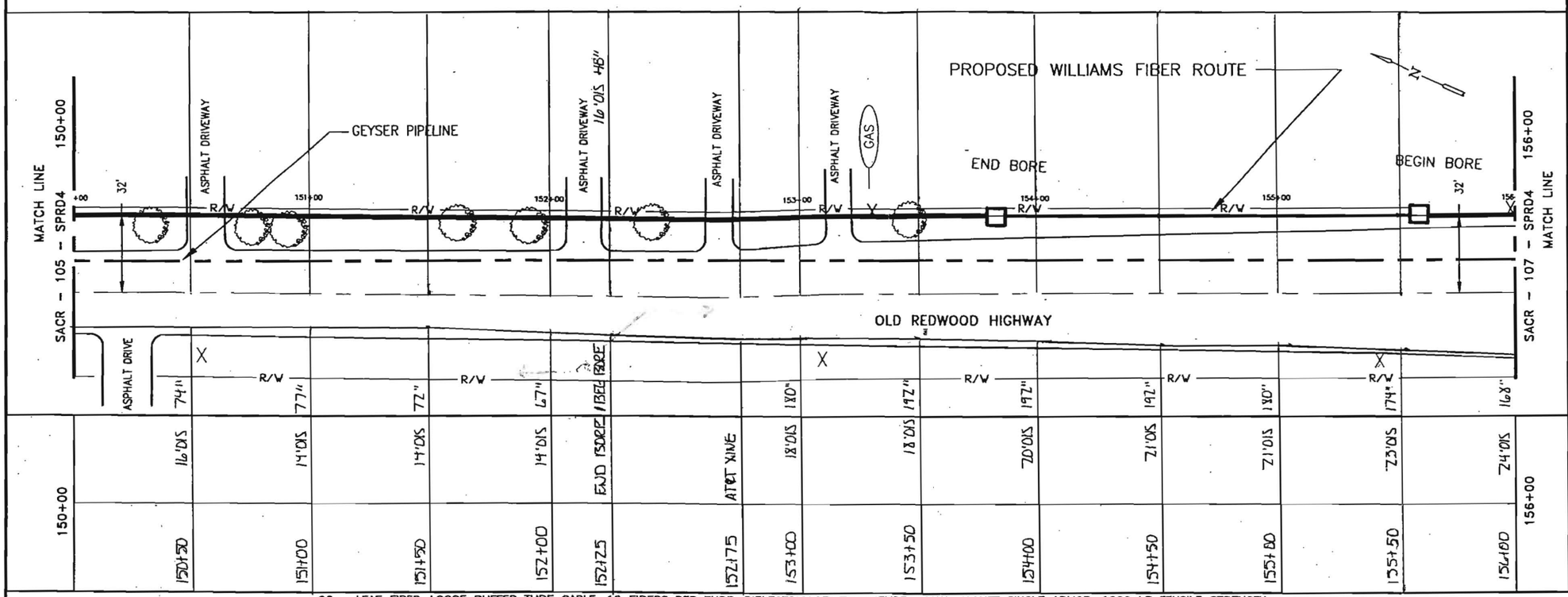
150+22 31' RT. CL DRIVEWAY
150+53 57' RT. POLE
150+54 11' RT. CL DRIVEWAY
152+11 9' RT. CL DRIVEWAY
152+67 7' RT. CL DRIVEWAY
153+07 58' RT. POLE
153+16 7' RT. CL DRIVEWAY
153+29 11' LT. GAS MARKER
155+42 59' RT. POLE
155+98 2' LT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

150+00	152+25
151+25	156+00
225'	375'
2.11	2.11
2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE
TODD HEIDRICK	TODD HEIDRICK
17_15_00	17_15_00
ABS-	ABS

IN BLACK 1.25" HDPE
CSA TRACER WIRE
STORM DRAIN CROSSING
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9059

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

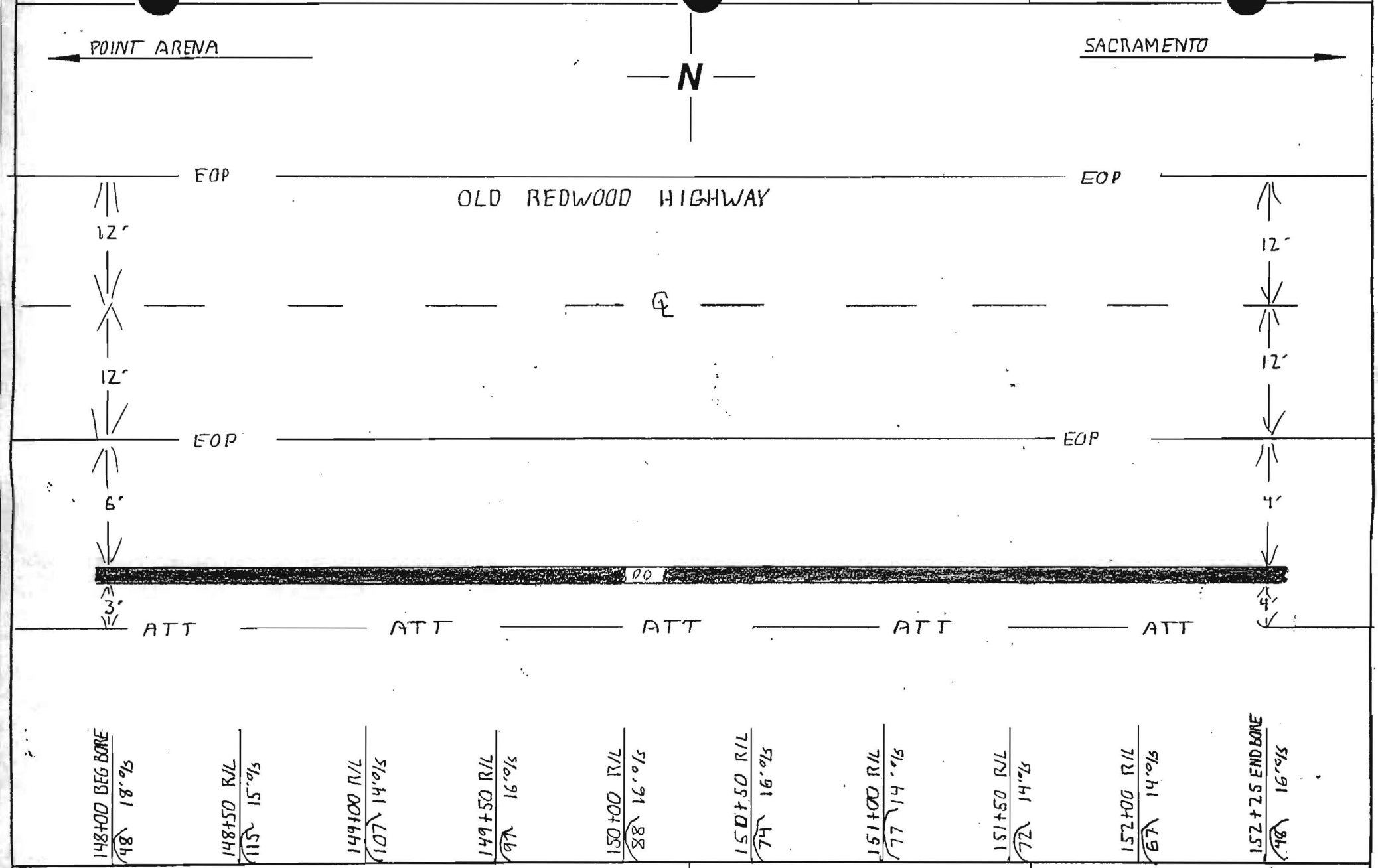
WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LDC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-106-SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
-15-00	4875	105-106	A



NOTES: TOTAL FOOTAGE - 475'

COUNTY: SONOMA

CONTRACTOR: TIDWELL/ABS

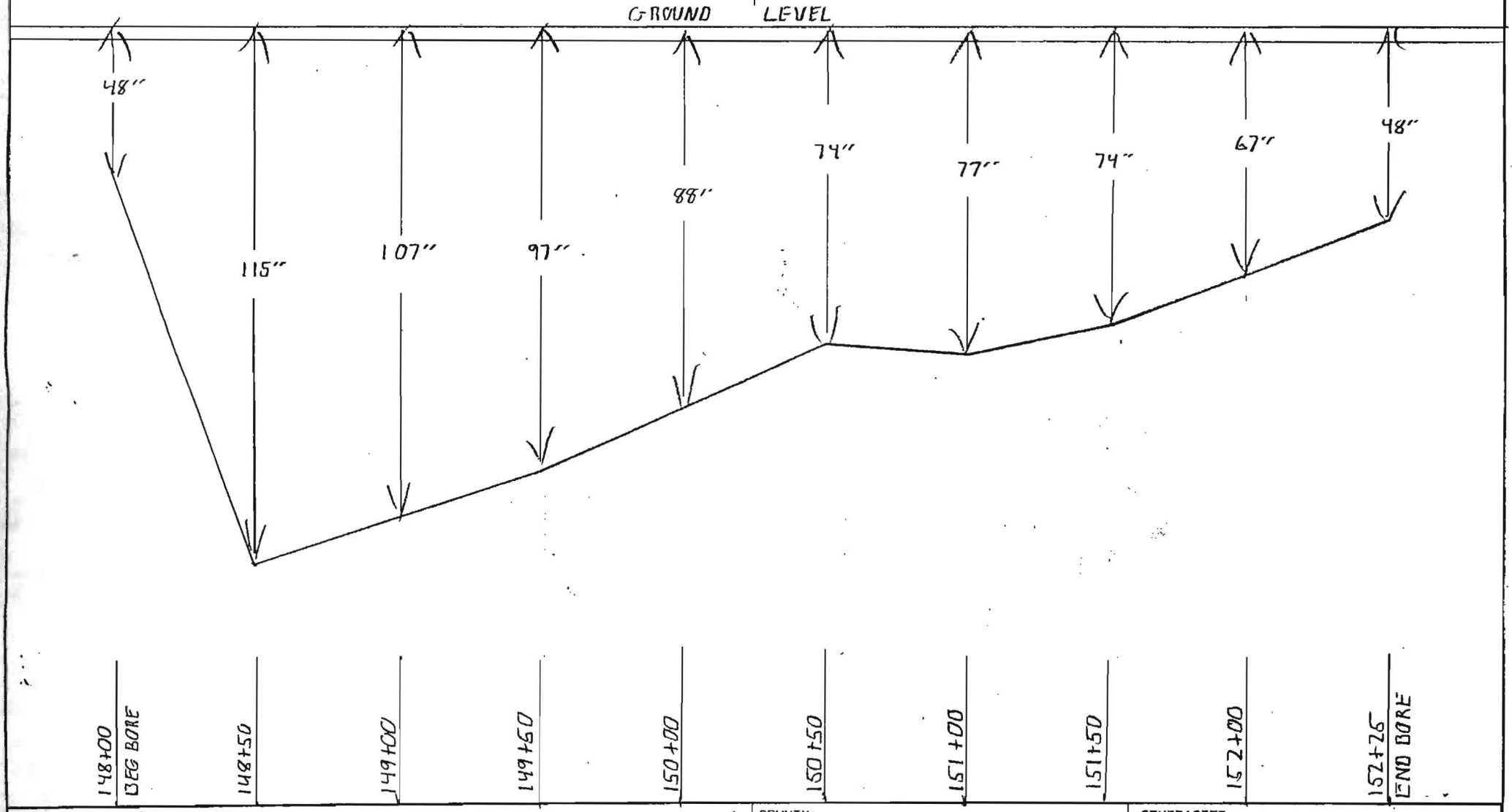
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE: 5-15-00	PROJECT: 4875	DWG/ALIGNMENT SHEET #: 105-106	SPREAD #:

PT. ARENA ← N → SAC



NOTES:

COUNTY: SONOMA

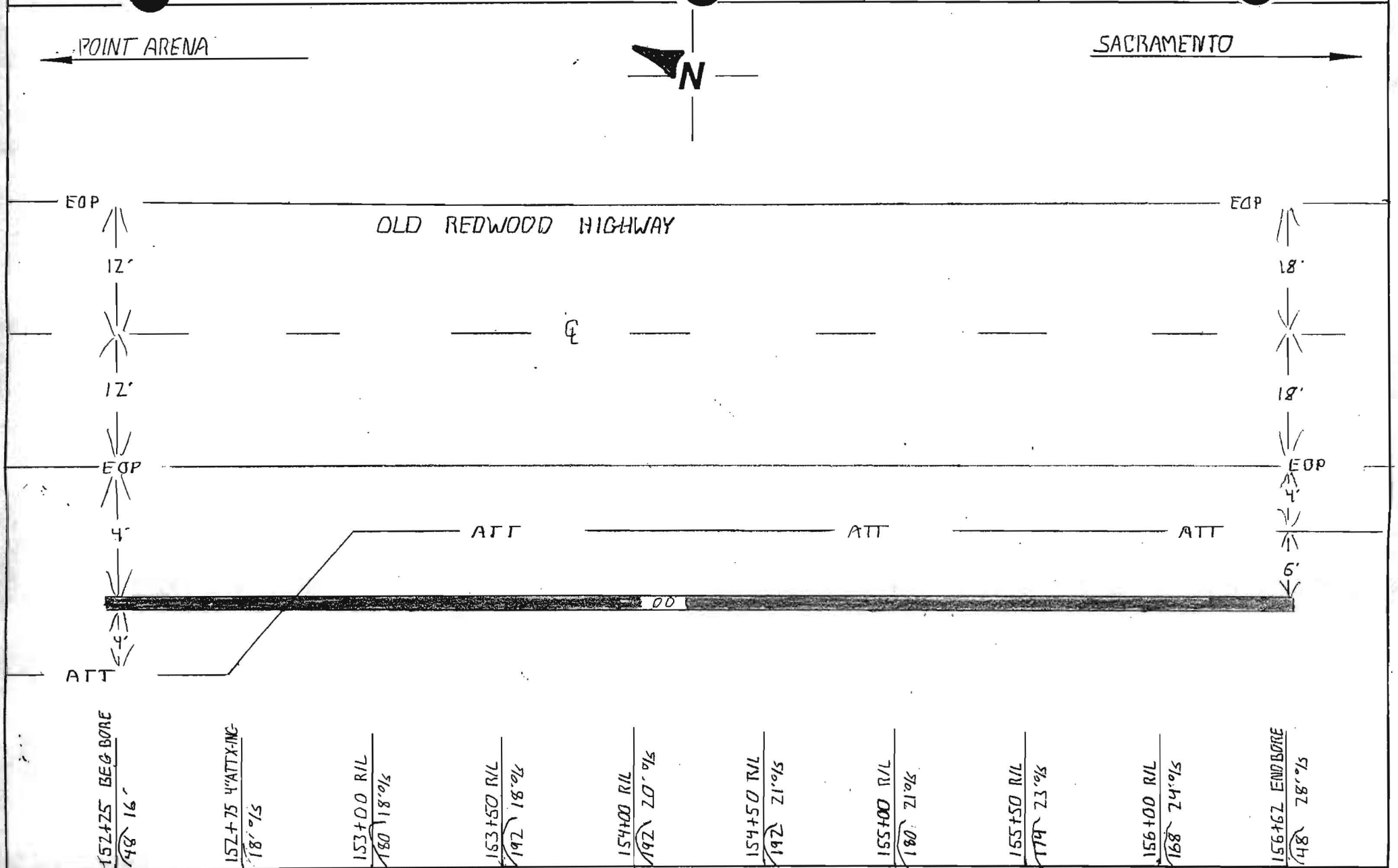
CONTRACTOR: TIDWELL / ABS

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HELDNICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

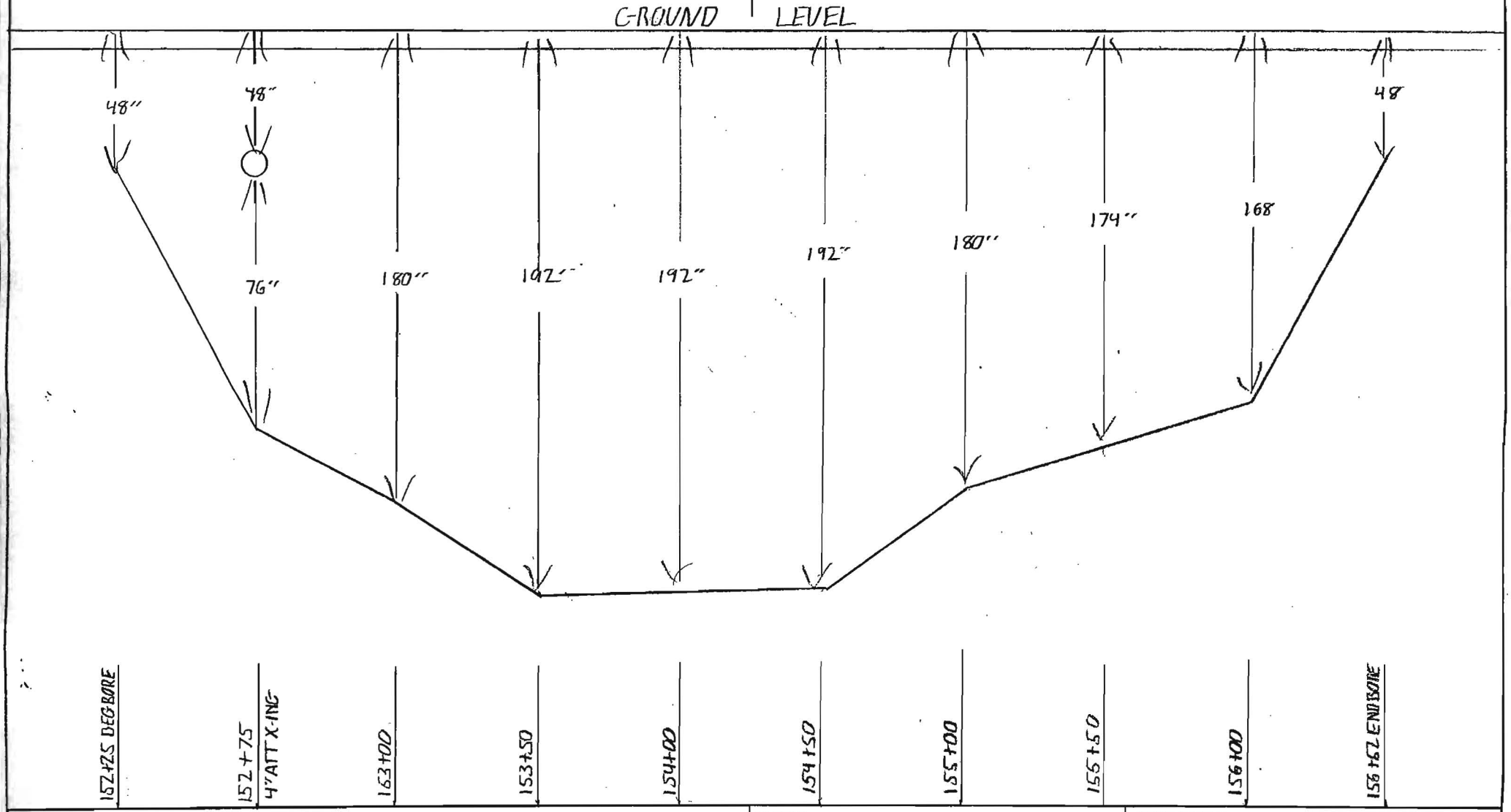
DATE: 7-15-00	PROJECT: 4875	DWG/ALIGNMENT SHEET#: 106 - 107	SPREAD #:



NOTES: TOTAL FOOTAGE - 437'	COUNTY: SONOMA	CONTRACTOR: TIDWELL / ABS
	DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE	INSPECTOR: TODD HEIDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE: 11-15-00	PROJECT: 4875	DWG/ALIGNMENT SHEET# 106-107	SPREAD #



NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL / ABS

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

156+61 2' RT. PLACE MANHOLE
156+63 2' RT. STEEL PIPE
156+102 LOOP MANHOLE
#1 TODD HEADRICK 12.26.00

157+28 13' RT. MANHOLE
157+31 8' LT. POLE

157+72 CL LIMERICK LANE

158+03 62' RT. POLE

158+38 2' LT. GAS MARKER

158+76 7' RT. BRIDGE
158+78 10' RT. BRIDGE
158+79 54' RT. BRIDGE

158+97 8' RT. CL CREEK

159+16 11' RT. BRIDGE
159+17 54' RT. BRIDGE
159+18 8' RT. BRIDGE

159+97 10' RT. STEEL PIPE

160+45 60' RT. POLE

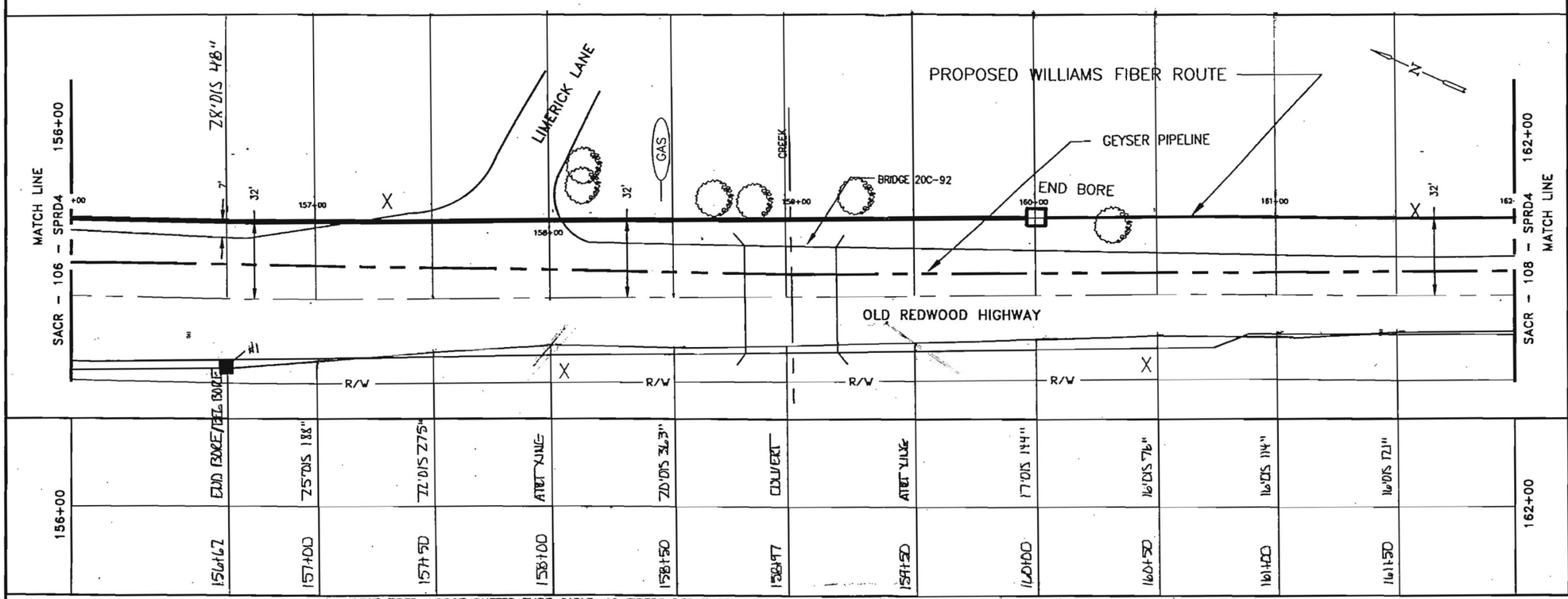
161+58 3' LT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" HDPE BLACK, 1-1.5 HDPE BLUE, 1-1.5" HDPE ORANGE

156+00	156+67
67'	167+00
	538'
2.11	2.11
2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE
TODD HEADRICK	TODD HEADRICK
12.15.00	12.16.00
ABS.	ABS.

IN BLACK 1.25" HDPE
GGA. TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line end/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1–800–227–2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

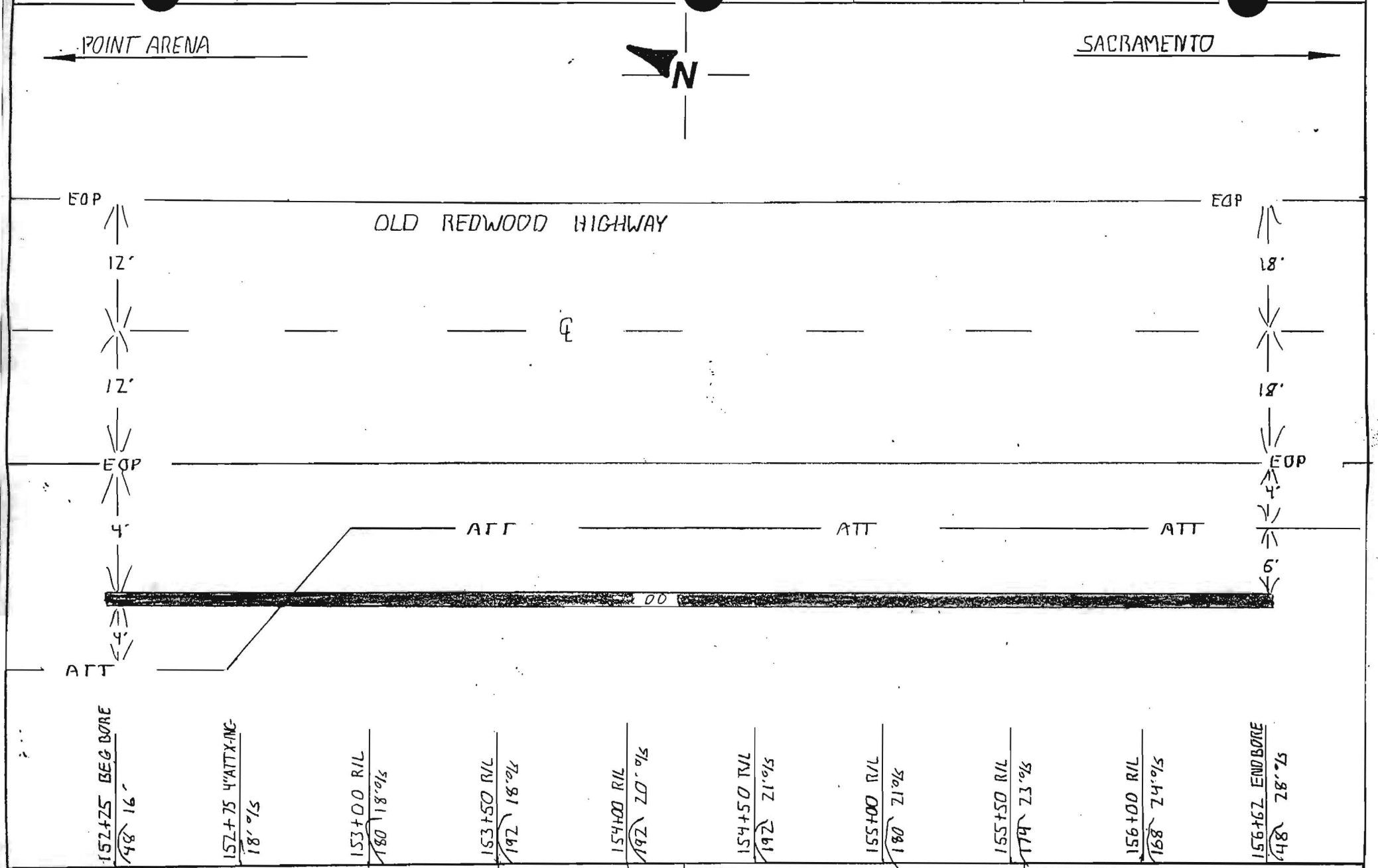
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–107–SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
15-00	4875	106 - 107	



NOTES: TOTAL FOOTAGE - 437'

COUNTY: SONOMA

CONTRACTOR: TIDWELL / ABS

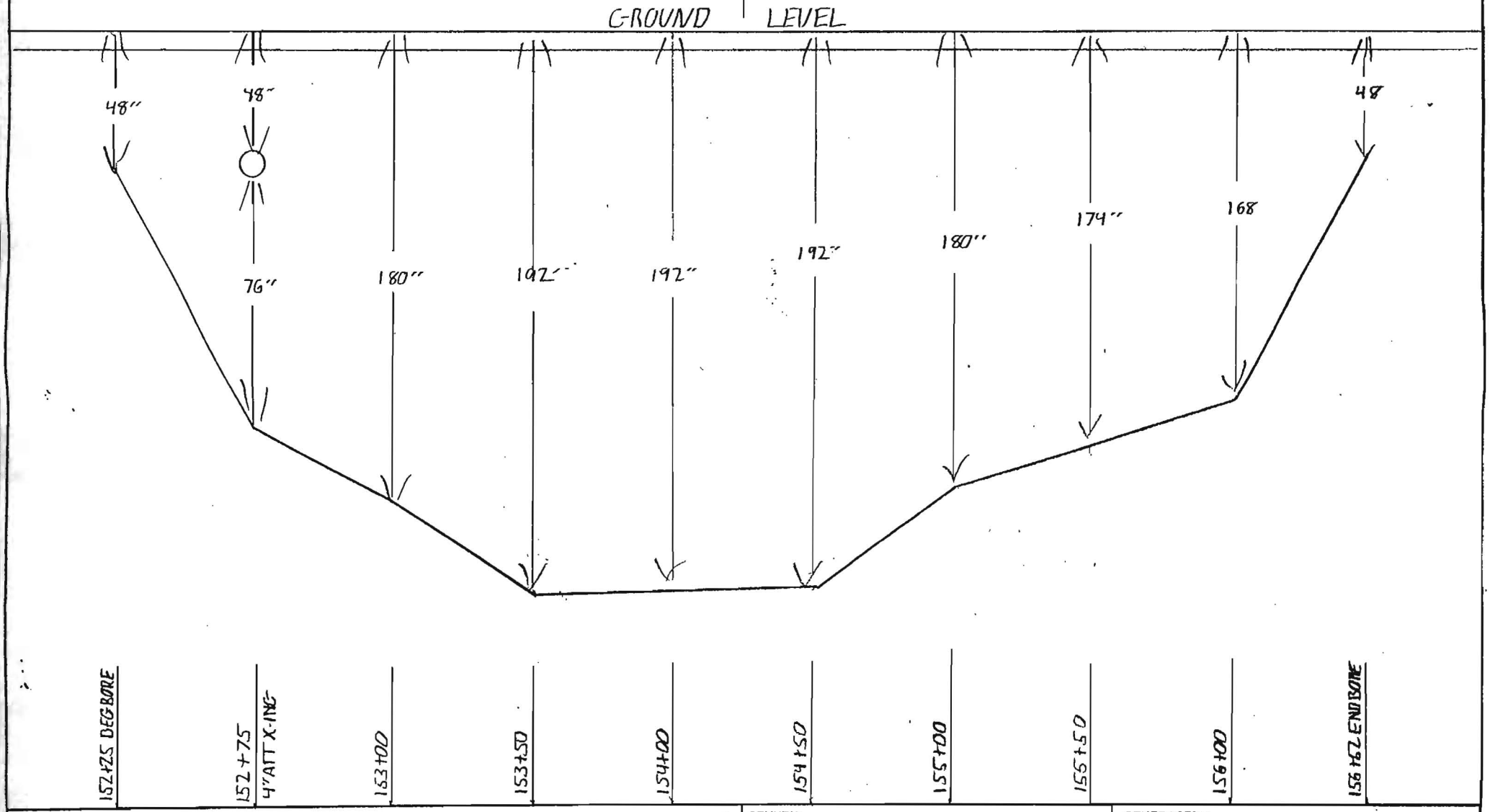
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
6-15-00	4875	106-107	

PT. ARENA ← N → SAC



NOTES:

COUNTY: SONOMA

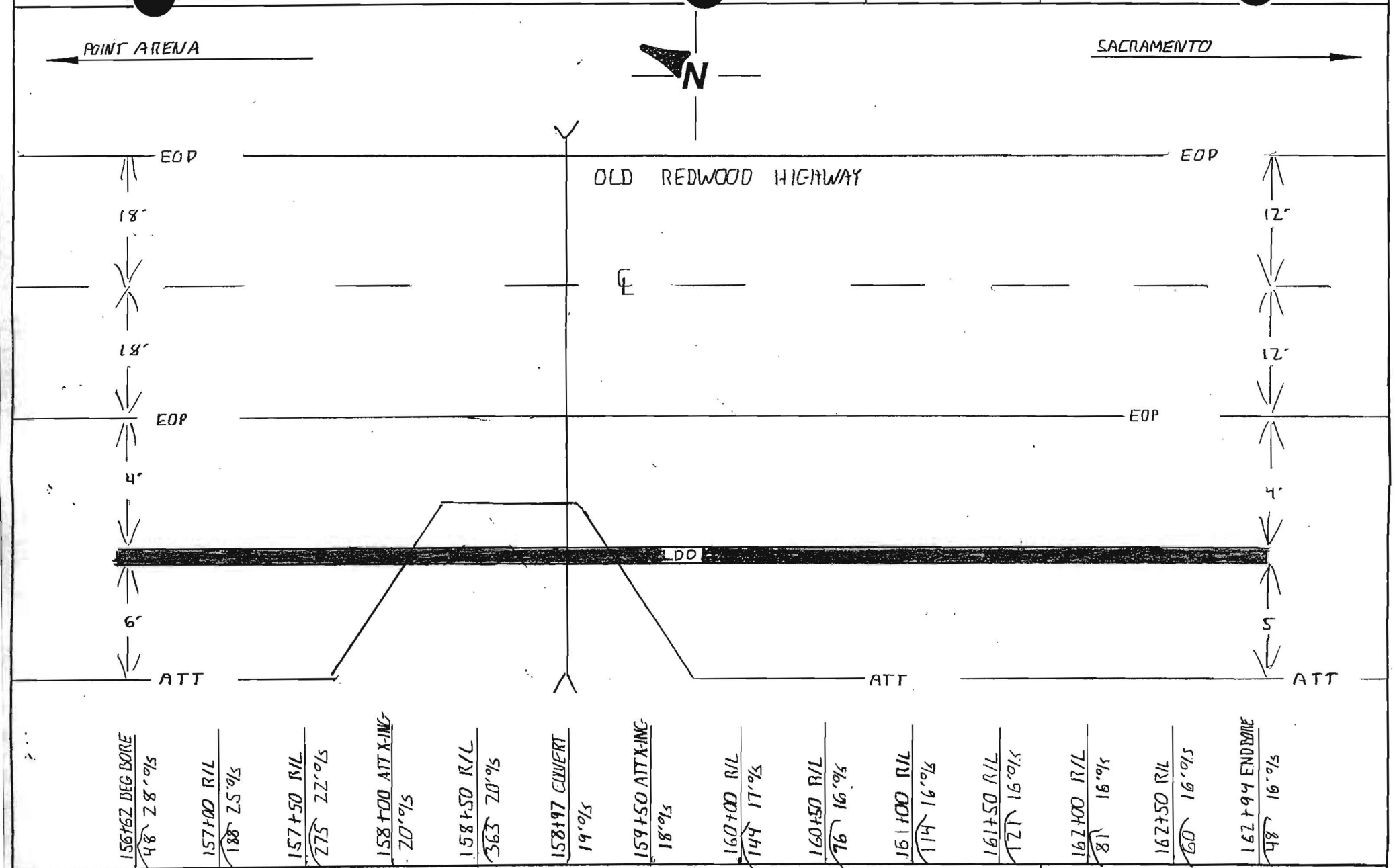
CONTRACTOR: TIDWELL / ARS

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICH

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#:	SPREAD #:
2-16-00	4875	107-108	9



NOTES: BORED DR-HEALDSBURG-B

COUNTY: SONOMA

CONTRACTOR: TIDWELL / ABS

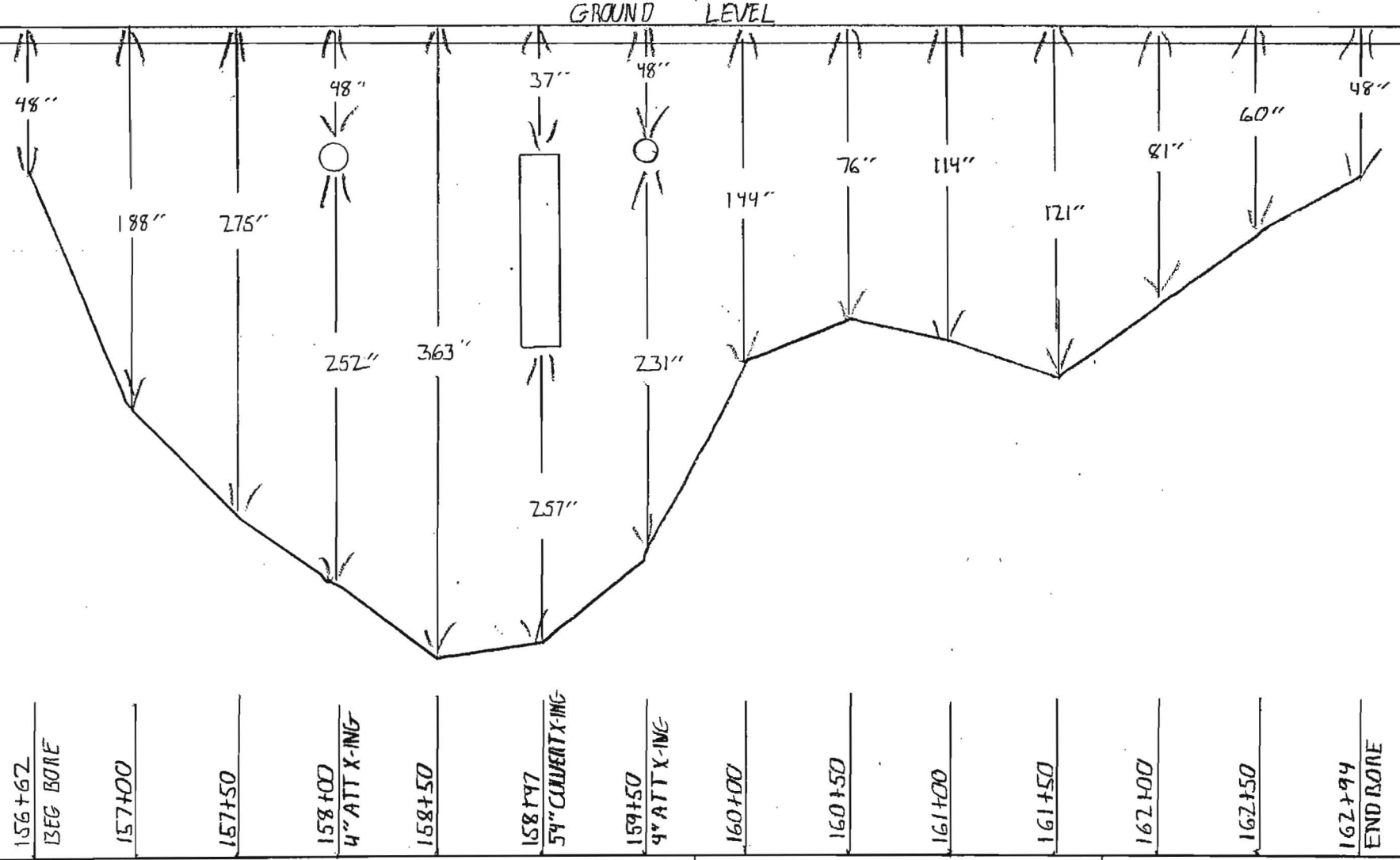
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEINRICK

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
2-16-00	4875	107-108	

PT. ARENA ← N → SAC



NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL / ABS

DUCT CONFIGURATION: (2)1.5"(1)1.25" HDPE

INSPECTOR: TODD HEINRICK

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

163+07 98' RT. POLE
#1 114+00 SPLICE MH
165+24 53' RT. CULVERT
165+25 57' RT. CULVERT
165+25 10' RT. CULVERT
165+80 31' RT. CL DRIVEWAY
166+00 58' RT. POLE
166+08 POLE
167+33 31' RT. CL DRIVEWAY
167+89 56' RT. POLE

ROAD STATIONING

← POINT ARENA

#1

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →

MATCH LINE SACR – 107 – SPRD4 162+00

16'DIS 48"
14'DIS 48"

+00 | 32' | 163+00 | 164+00 | 165+00 | 166+00 | 167+00 | 32' | 168+00

MATCH LINE SACR – 109 – SPRD4

GEYSER PIPELINE

WILLIAMS FIBER ROUTE

BORE CULVERT

OLD REDWOOD HIGHWAY

R/W | R/W | R/W | R/W

ASPHALT DRIVE | ASPHALT DRIVE | ASPHALT DRIVE

162+00	16'DIS 60"	EXIST BORE / TSEG TRENCH	14'DIS 144"	13'DIS 156"	15'DIS 204"	15'DIS 252"	TDR HEADDISTURB-LC	13'DIS 264"	X	12'DIS 264"	13'DIS 264"	13'DIS 252"	13'DIS 192"	X	168+00
162+50	162+94	163+07	163+60	163+10	164+60	165+10	165+24	165+60		166+10	166+60	167+10	167+60		

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" HDPE, 1-1.5" BLUE HDPE, 1.5" ORANGE HDPE

BLACK

162+00	162+94		163+07
162+94	163+07		168+00
94'	131'		493'
Z.11	Z.11		Z.11
2-1.5" HDPE	2-1.5" HDPE		2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE		1-1.25" HDPE
TODD HEIDRICK	ERIK BOLLING		ERIK BOLLING
12_16_00	1_09_00		12_14_00
ABS-	ABS-		ABS-

IN BLACK 1.25" HDPE
6GA. TRACER WIRE
GLORIA TADDE
7-9-01

NO COP

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

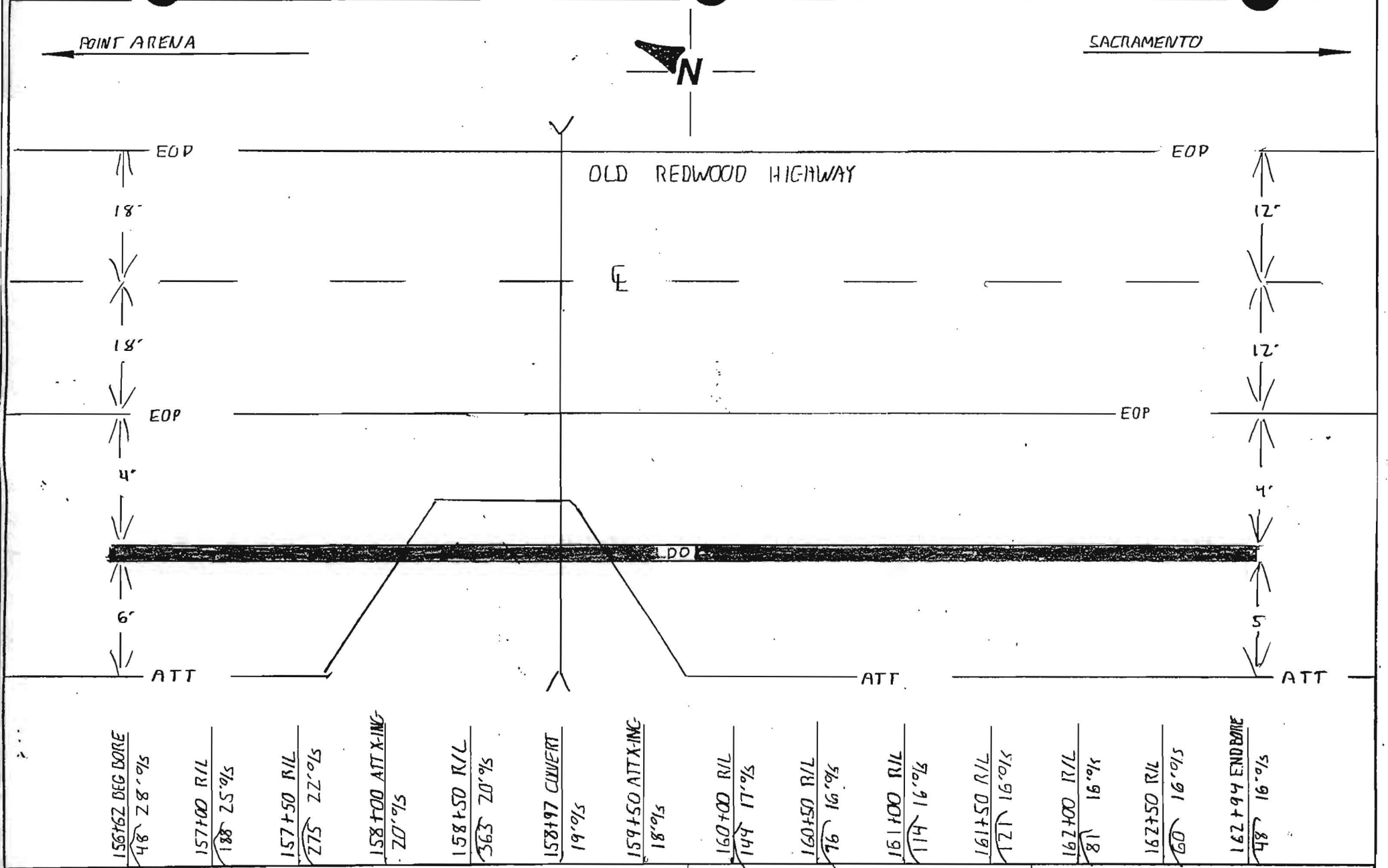
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-108-SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
-16-00	4875	107-108	



NOTES: BORED DR-HEALDSBURG - B

COUNTY: SONOMA

CONTRACTOR: TIDWELL / ABS

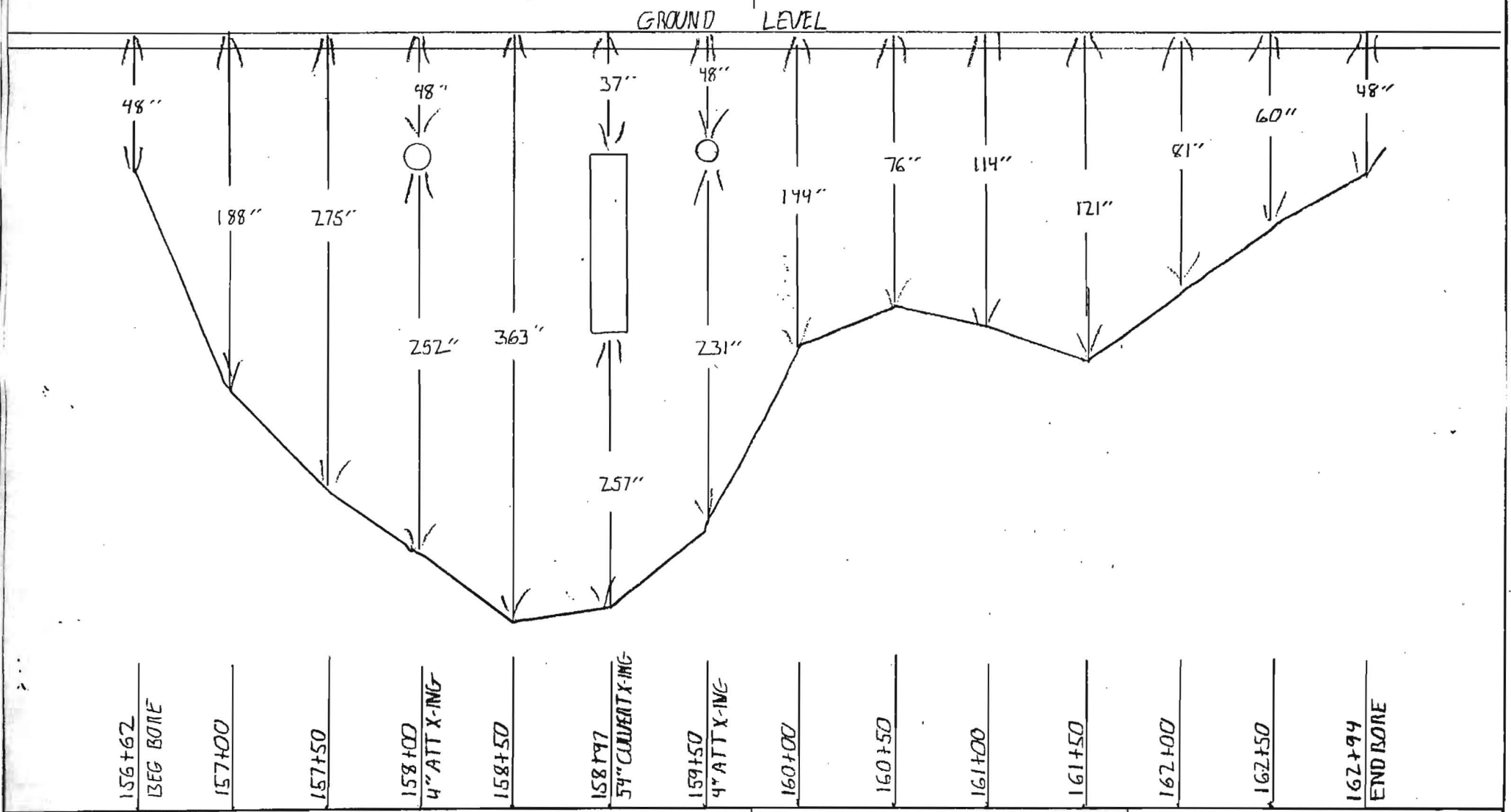
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEINRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE: 6-16-00	PROJECT: 4875	DWG/ALIGNMENT SHEET #: 107-108	SPREAD #:

PT. ARENA ← N → SAC



NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL / ABS

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

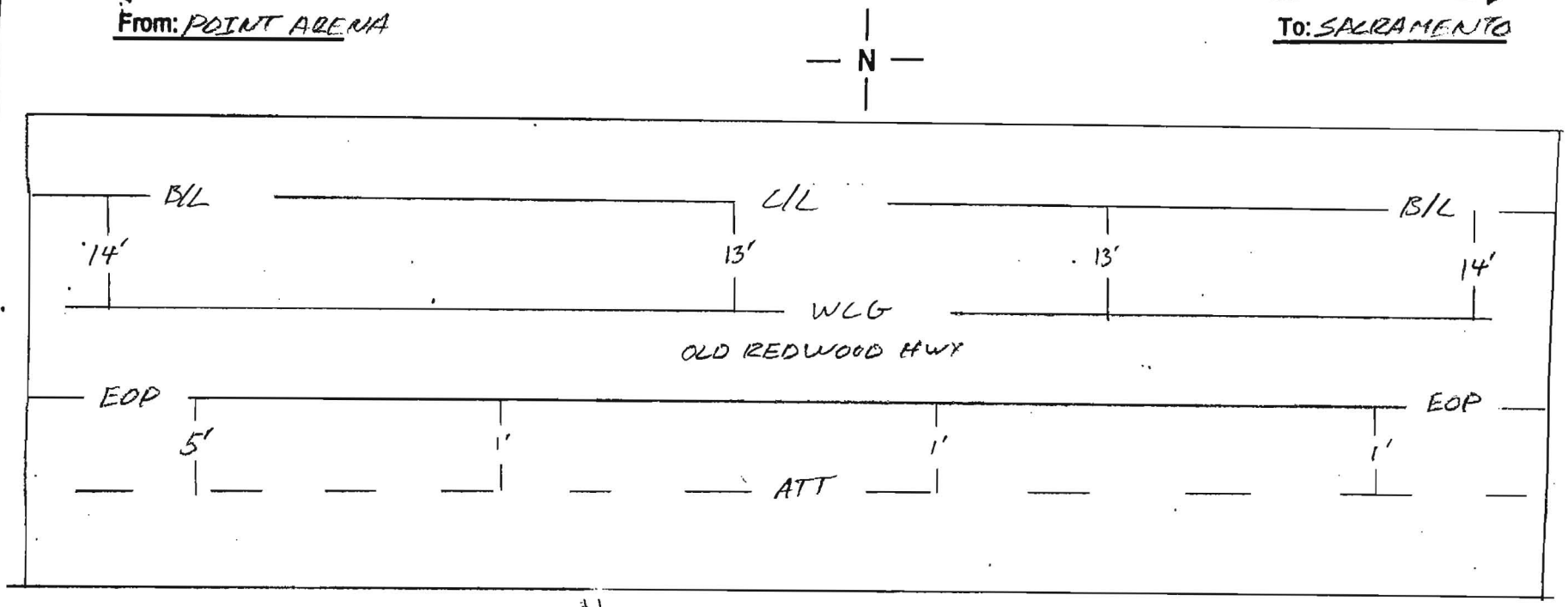
Williams Construction As-Built Documentation

Spread Local SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-13-00
Page No. 2
Drawing #: SARC-107,108

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 163+07 14'o/s 48"

163+60 BORE 14'o/s 144"

164+10 BORE 14'o/s 156"

164+60 BORE 15'o/s 204"

165+10 BORE 15'o/s 252"

165+24 D/12 - HEADSTONE -C

165+60 BORE 13'o/s 264"

166+10 BORE 12'o/s 264"

166+60 BORE 12'o/s 264"

167+10 BORE 13'o/s 252"

167+60 BORE 13'o/s 192"

168+10 BORE 13'o/s 86"

END BORE 168+16 14'o/s 48"

Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½" 1-BLACK 1¼"

Contractor: TIDWELL SUB-ADVANCED BORING

Inspector: ERIK BALLING

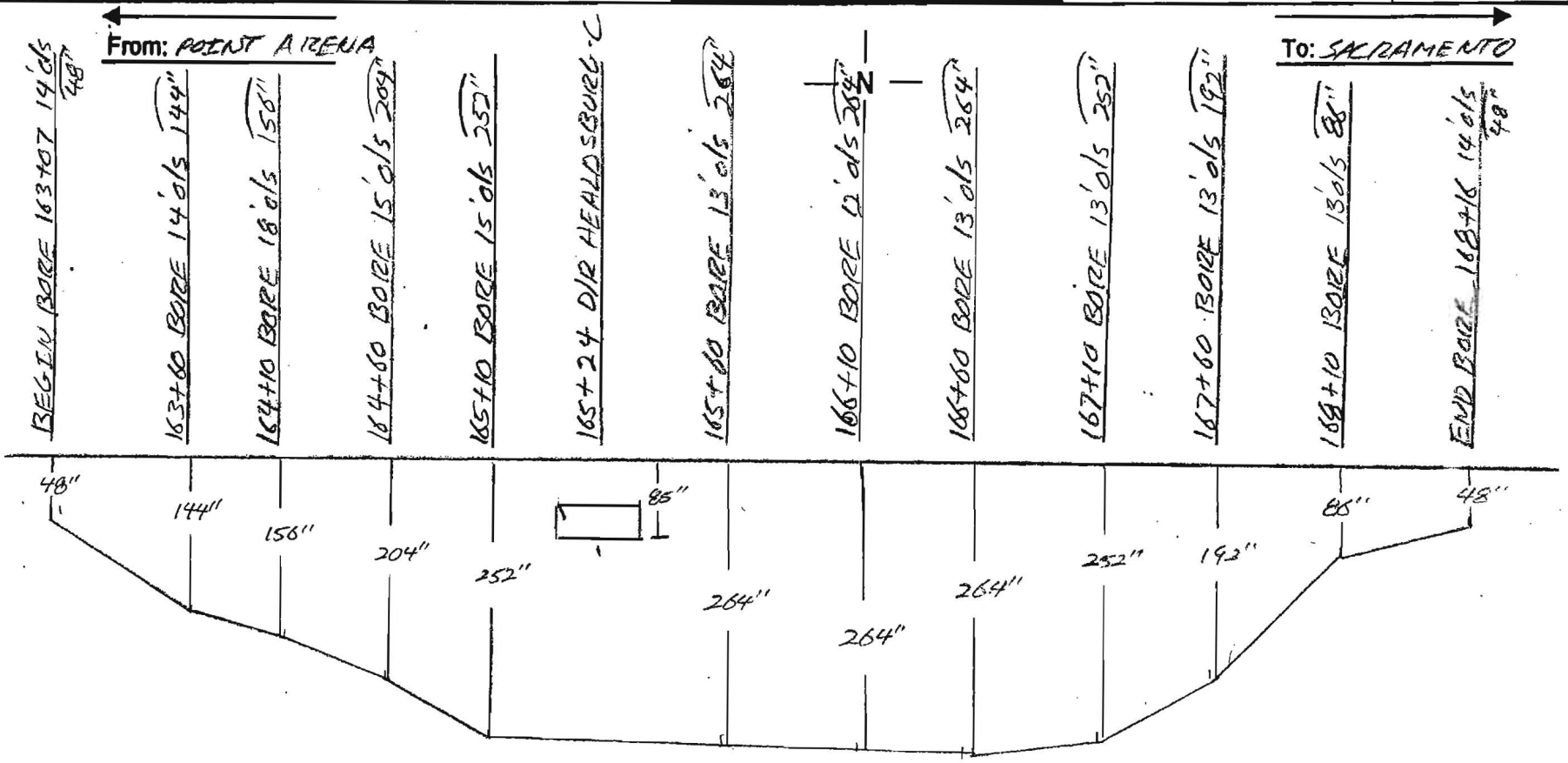
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-13-00
Page No. 2
Drawing #: SARC-107, 108

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1½"	Inspector: ERIK BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

168+85 POLE
168+90 31' RT. CL DRIVEWAY

170+49 57' RT. POLE

171+31 POLE

172+94 58' RT. POLE

173+33 31' RT. CL DRIVEWAY

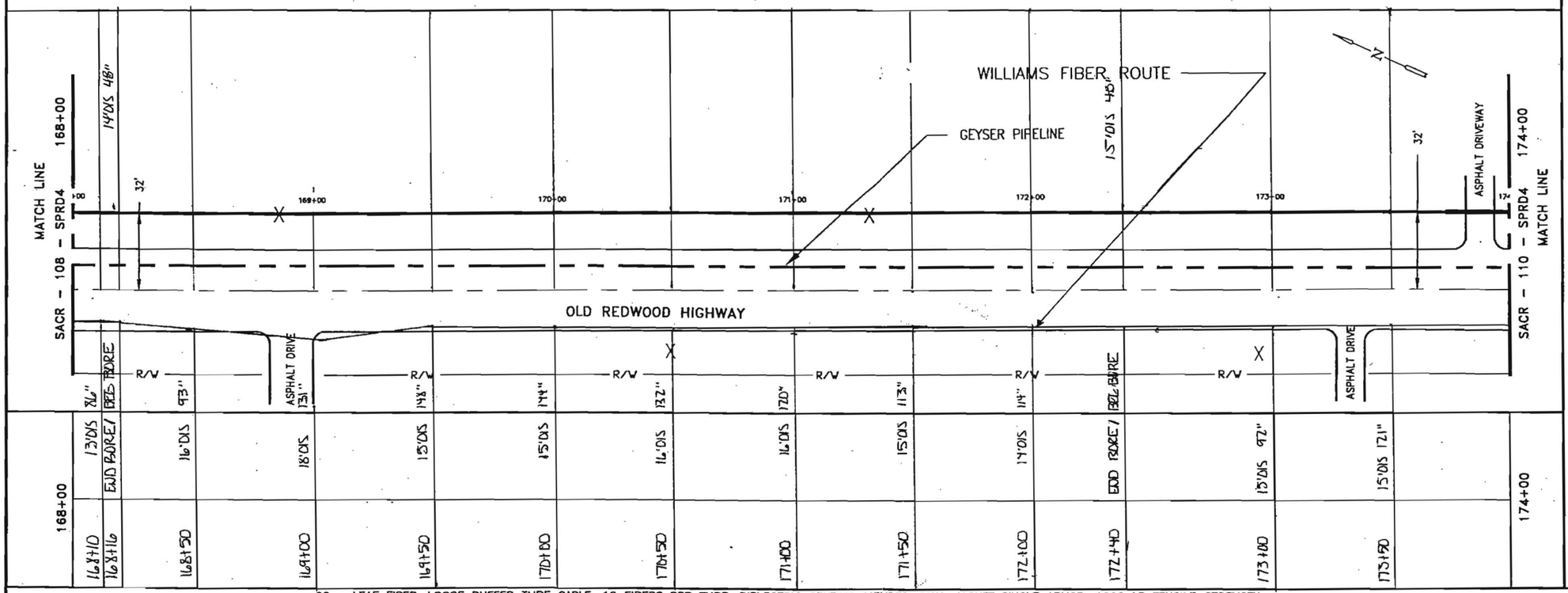
173+87 12' RT. CL DRIVEWAY

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1-1.25" HDPE 1-1.5" HDPE ORANGE, 1-1.5" HDPE BLUE BLACK

168+00	168+16	172+40
168+16	172+40	174+00
16'	424'	160'
Z.11	Z.11	Z.11
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
ERIK DALLIVE	TODD HEIDRICK	TODD HEIDRICK
12.14.00	12.30.00	12.30.00
ABS	ABS	ABS

IN BLACK 1.25" HDPE
GSA TRACER WIRE
GLORIA FABER
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-109-SPRD4

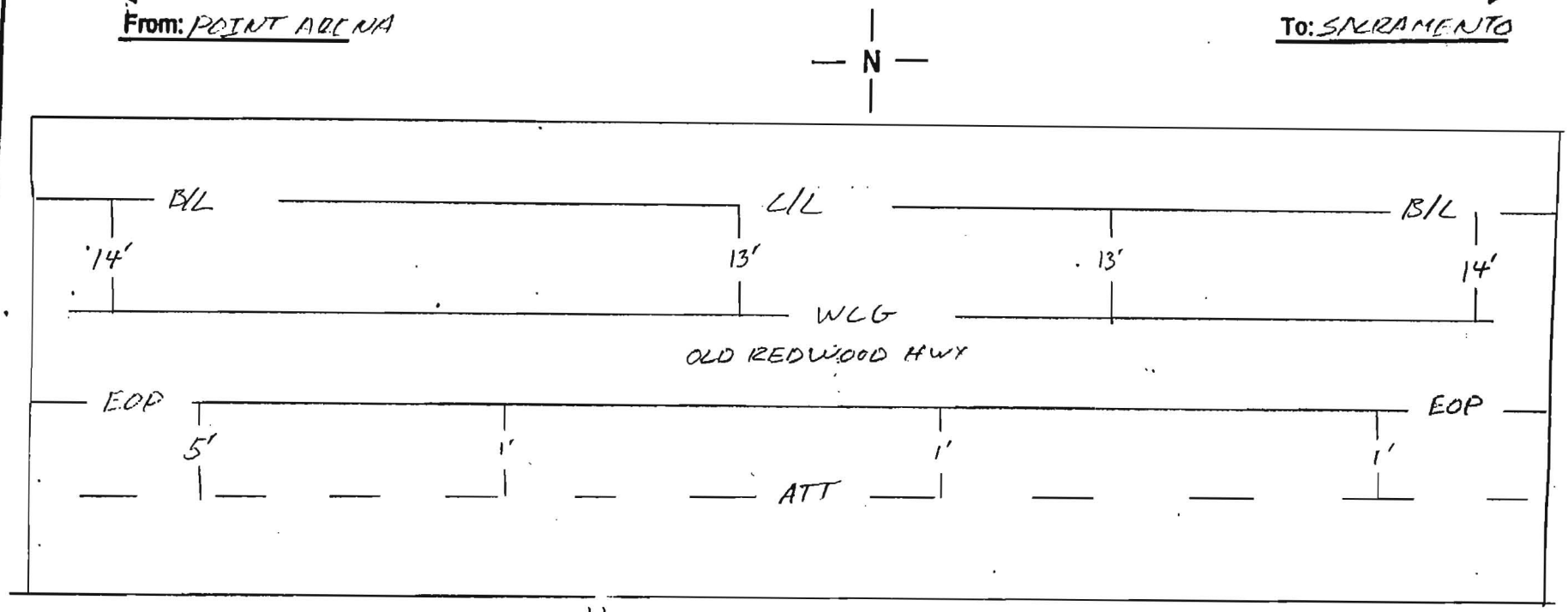
Williams Construction As-Built Documentation

Spread Locat. SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-13-00
Page No. 2
Drawing #: SARC-107, 108

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 163+07 14'o/s 48"

163+60 BORE 14'o/s 144"

164+10 BORE 18'o/s 156"

164+60 BORE 15'o/s 204"

165+10 BORE 15'o/s 252"

165+24 D/12 - HEADSTONES - C

165+60 BORE 13'o/s 264"

166+10 BORE 12'o/s 264"

166+60 BORE 12'o/s 264"

167+10 BORE 13'o/s 252"

167+60 BORE 13'o/s 192"

168+10 BORE 13'o/s 86"

END BORE 168+16 14'o/s 48"

Notes:

County: SONOMA

Contractor: TIDWELL SUB - ADVANCED BORING

Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½" 1-BLACK 1½"

Inspector: ERIK BALLING

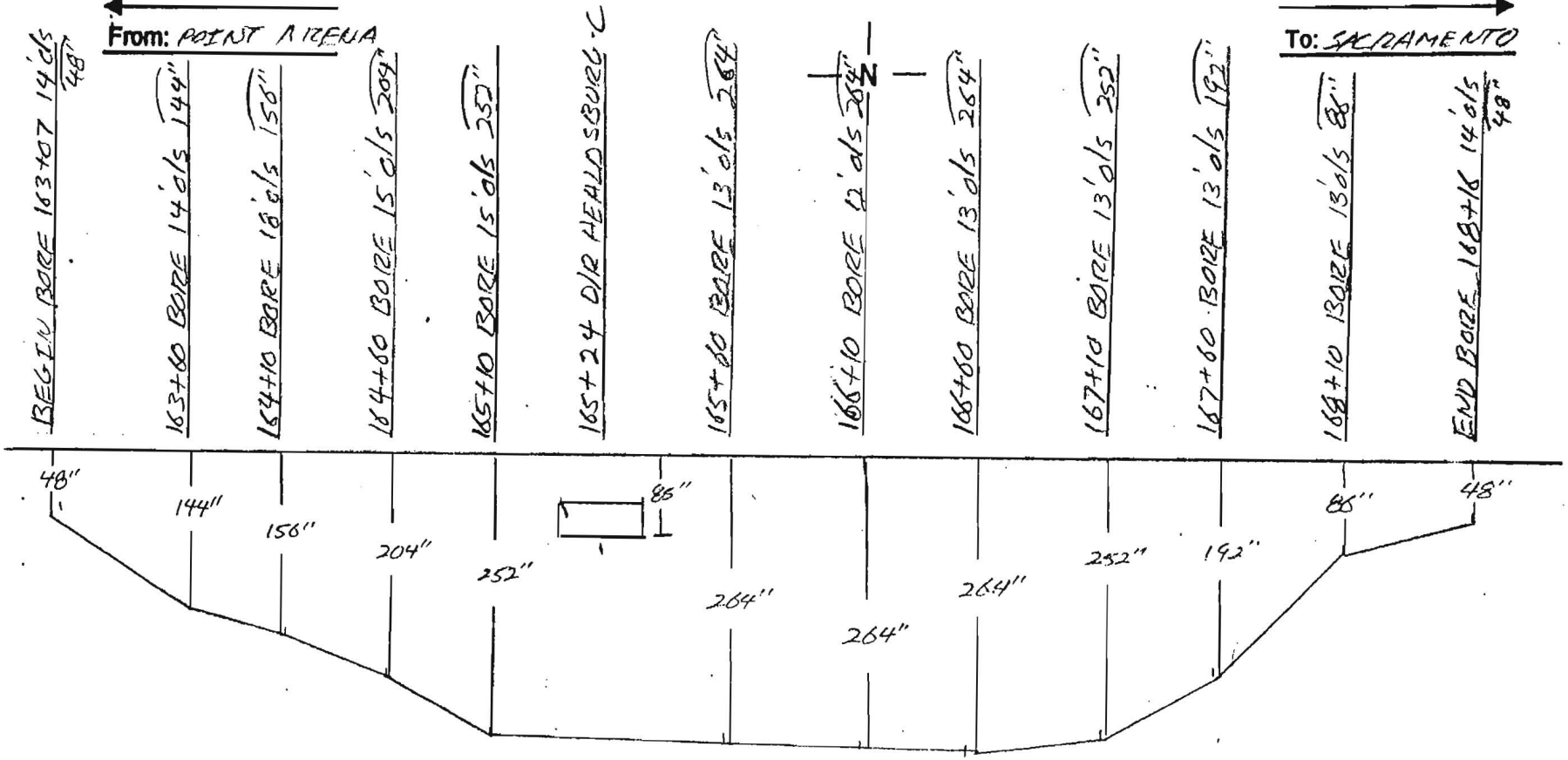
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-12-00
Page No. 1
Drawing #: SARC-107, 108

From: POINT ARENA

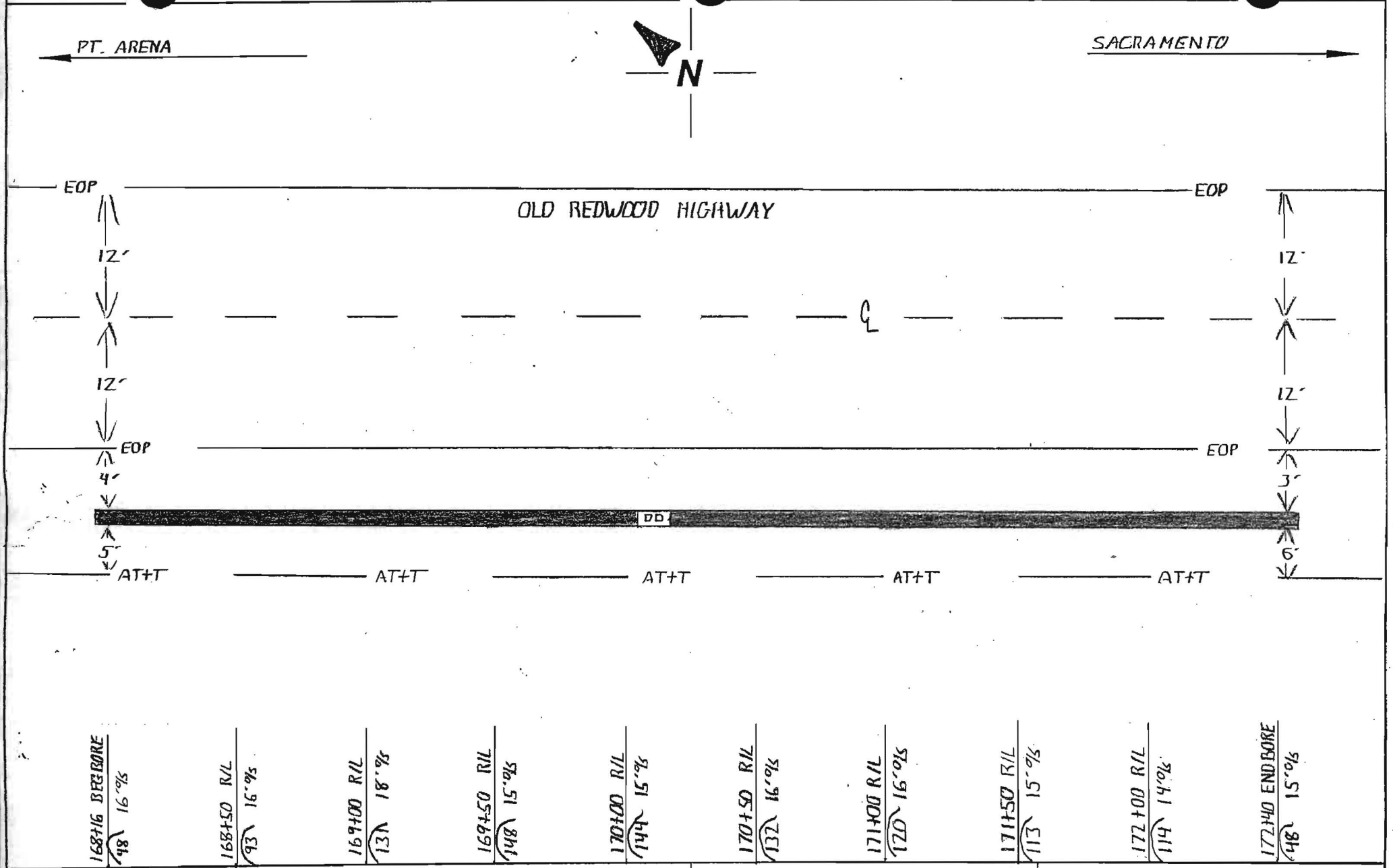
To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1½" 1-HDPE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
-30-00	4875	109	



NOTES: TOTAL FOOTAGE - 424'

COUNTY: SONOMA

CONTRACTOR: TIDWELL/ABS

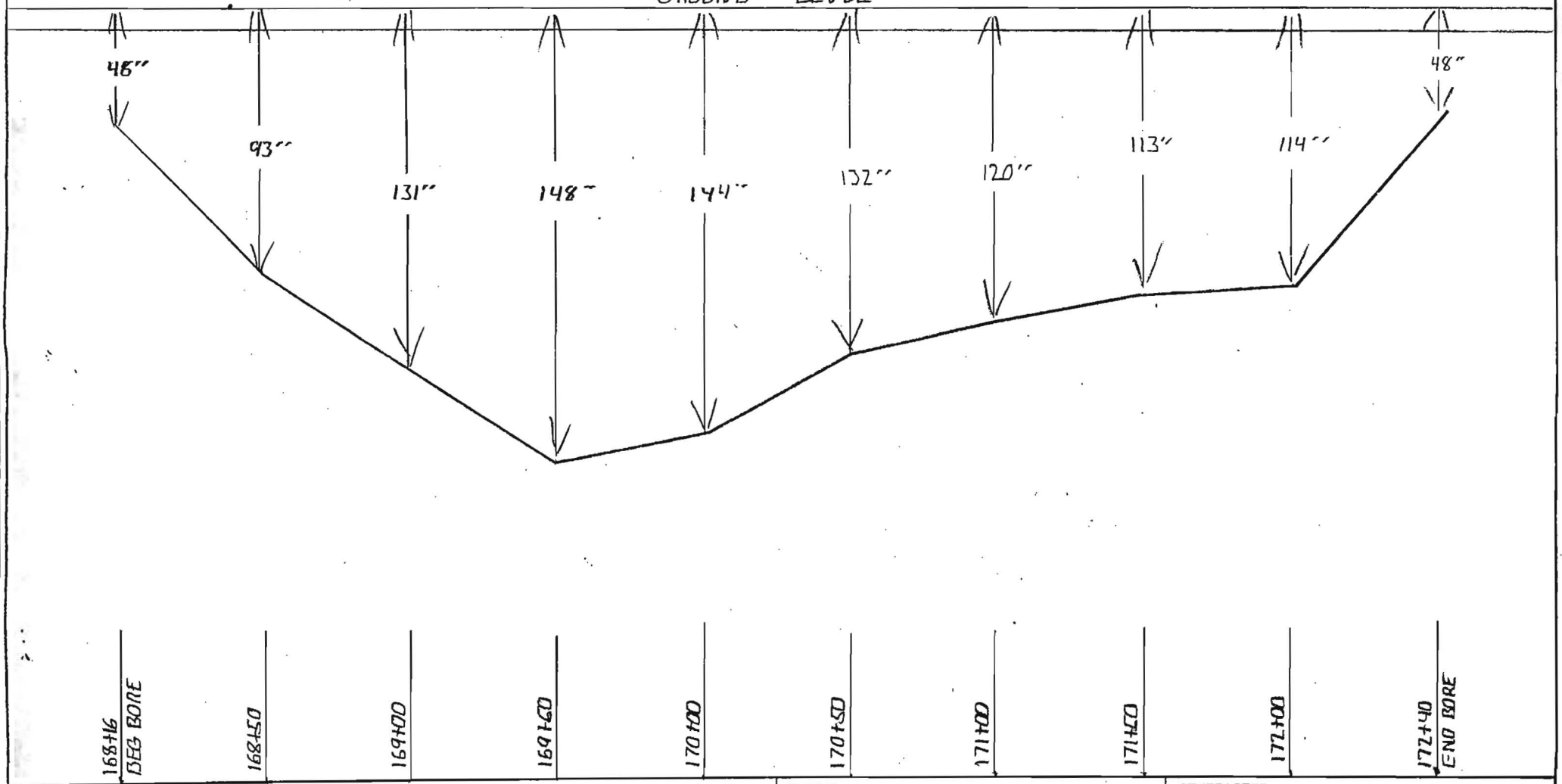
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE: 30-00	PROJECT: 4875	DWG/ALIGNMENT SHEET#: 109	SPREAD #:

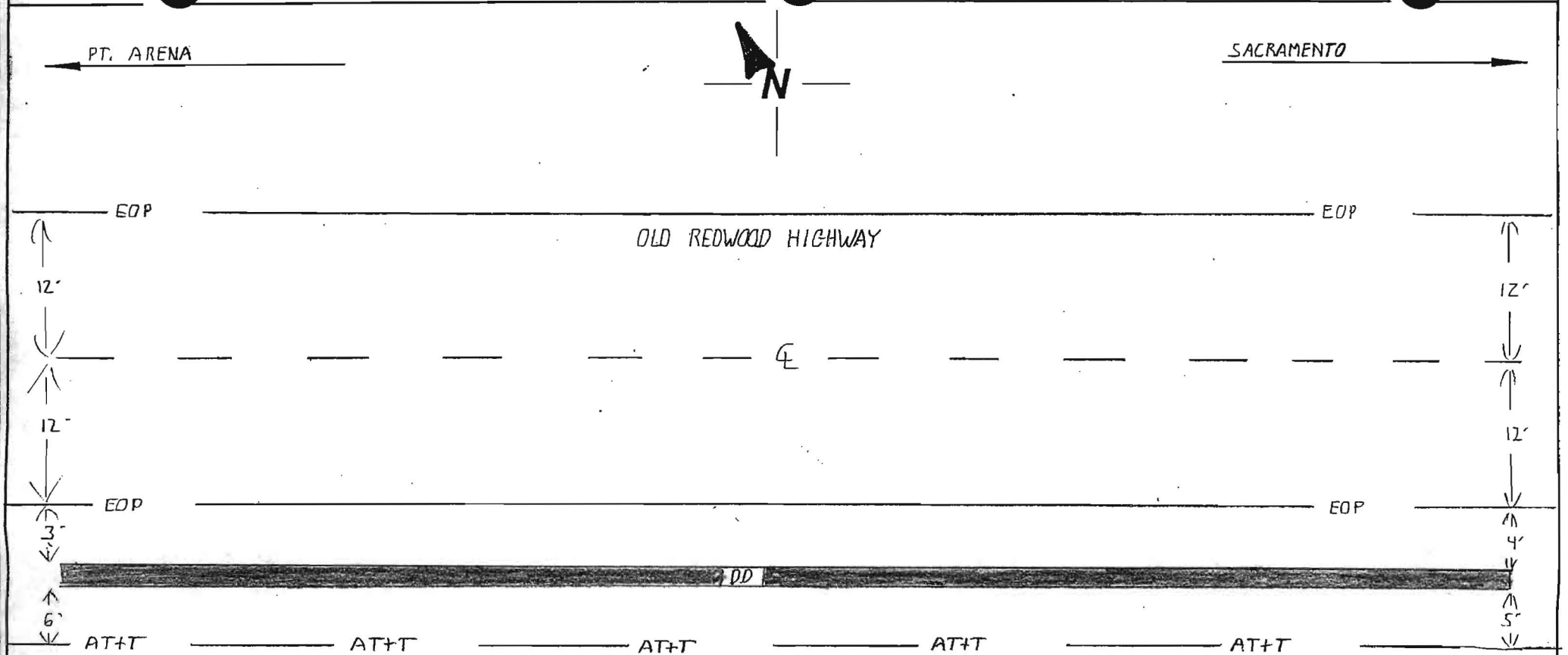
PT. ARENA ← N → SACRAMENTO



NOTES:	COUNTY: SONOMA	CONTRACTOR: TIDWELL / A13
PAGE OF	DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE	INSPECTOR: TODD HEIDRICK

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE: 30-00	PROJECT: 4875	DWG/ALIGNMENT SHEET#: 109-110	SPREAD #:



172+40 BEG BORE	173+00	173+50	174+00	174+50	175+00	175+50	176+00	176+50	177+00	177+25 END BORE
48 15.0%	92 15.0%	121 15.0%	114 14.7%	126 14.0%	148 15.0%	144 15.0%	151 15.0%	120 14.0%	124 13.7%	48 16.0%

NOTES: 485 TOTAL FEET

COUNTY: SONOMA

CONTRACTOR: TIDWELL/ABS

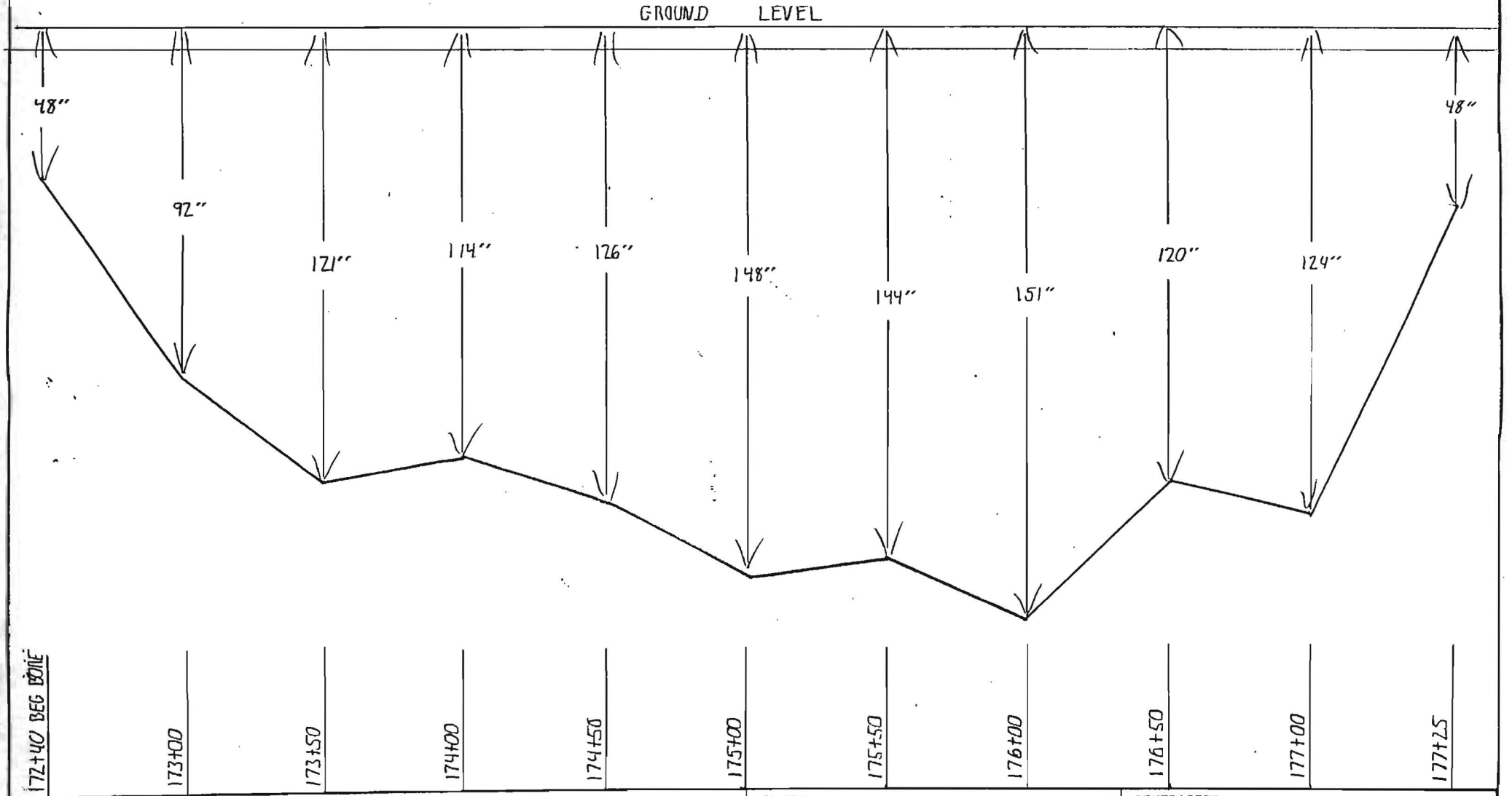
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
6-30-00	4875	109-110	

PT. ARENA ← N → SACRAMENTO



NOTES:

COUNTY:	CONTRACTOR:
SONOMA	TIDWELL/ABS
DUCT CONFIGURATION:	INSPECTOR:
(2)1.5"(1)1.25" HDPE	TODD HEIDRICK

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

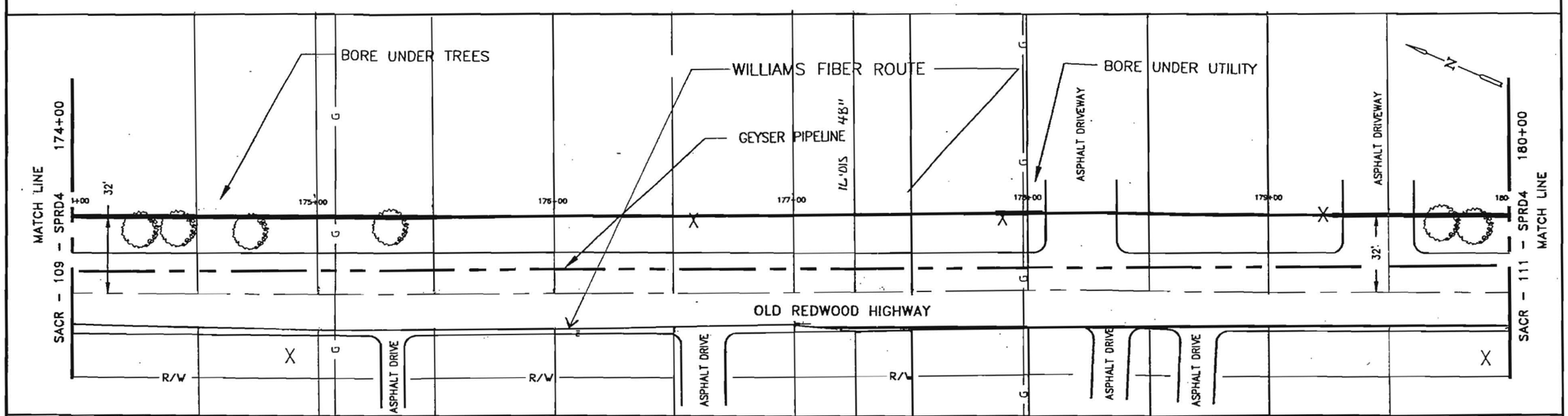
174+90 57' RT. POLE
176+58 1' RT. POLE
176+62 31' RT. CL DRIVEWAY
177+88 1' RT. POLE
177+89 55' RT. MANHOLE
178+21 13' RT. CL DRIVEWAY
178+35 31' RT. CL DRIVEWAY
178+71 31' RT. CL DRIVEWAY
179+22 POLE
179+45 12' RT. CL DRIVEWAY
179+90 59' RT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" BLACK, 1-1.5" BLUE, 1-1.5" ORANGE HDPE

174+00	177+25
177+25	180+00
325'	275'
2.11	1.11
2-1.5" HDPE 1-1.25" HDPE TODD MEADOW 12.30.00 ABS	2-1.5" HDPE 1-1.25" HDPE ERICKSON ABS
	IN BLACK 1.25" HDPE GGA TRACER WIRE GLOBAL TABLE 7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OR Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR-
COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

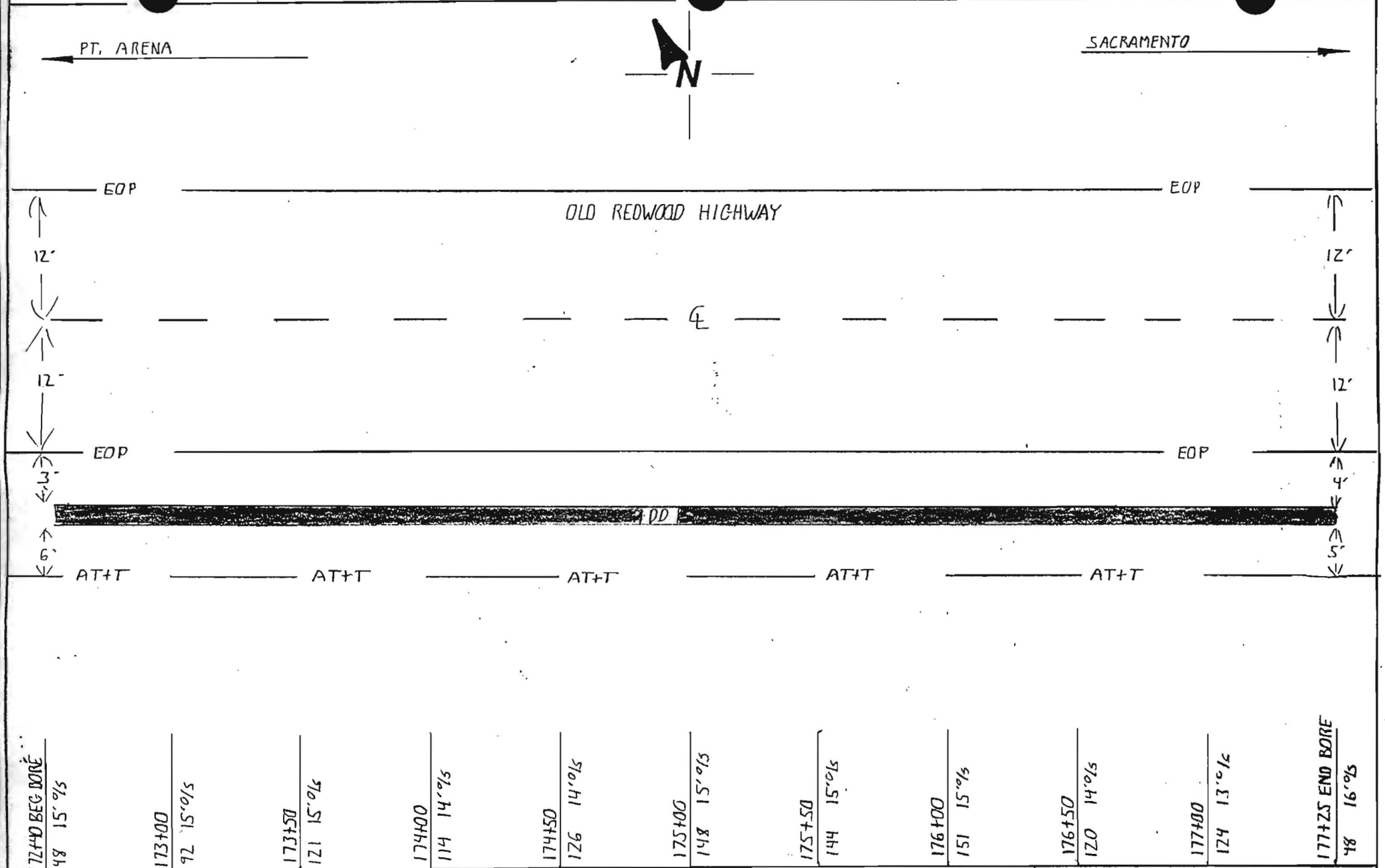
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-110-SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
30-00	4875	109-110	



NOTES: 485 TOTAL FEET

COUNTY: SONOMA

CONTRACTOR: TIDWELL/ABS

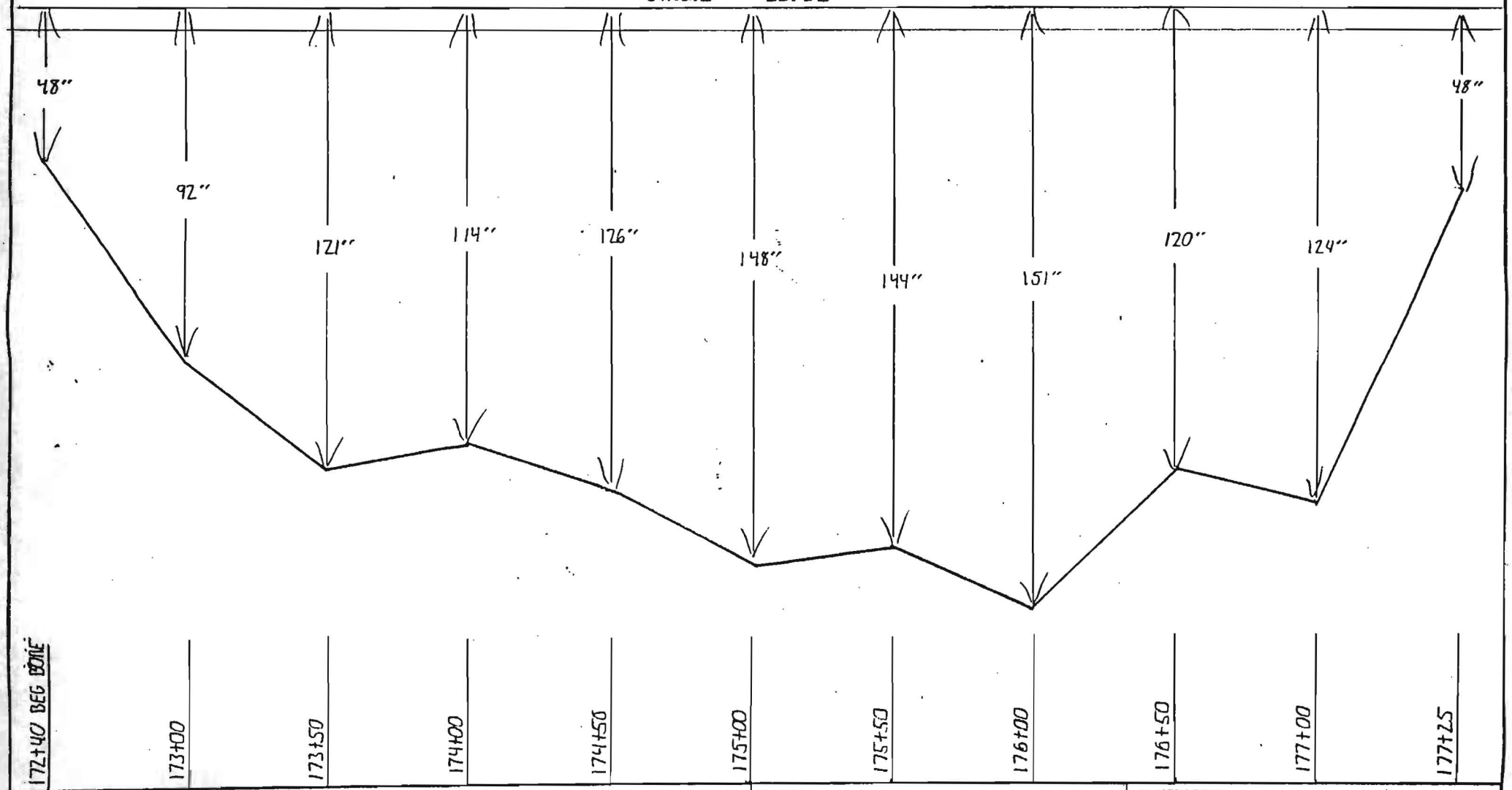
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE: 7-30-00 | PROJECT: 4875 | 109-110 | A

PT. ARENA ← N → SACRAMENTO



NOTES:

COUNTY: SONOMA

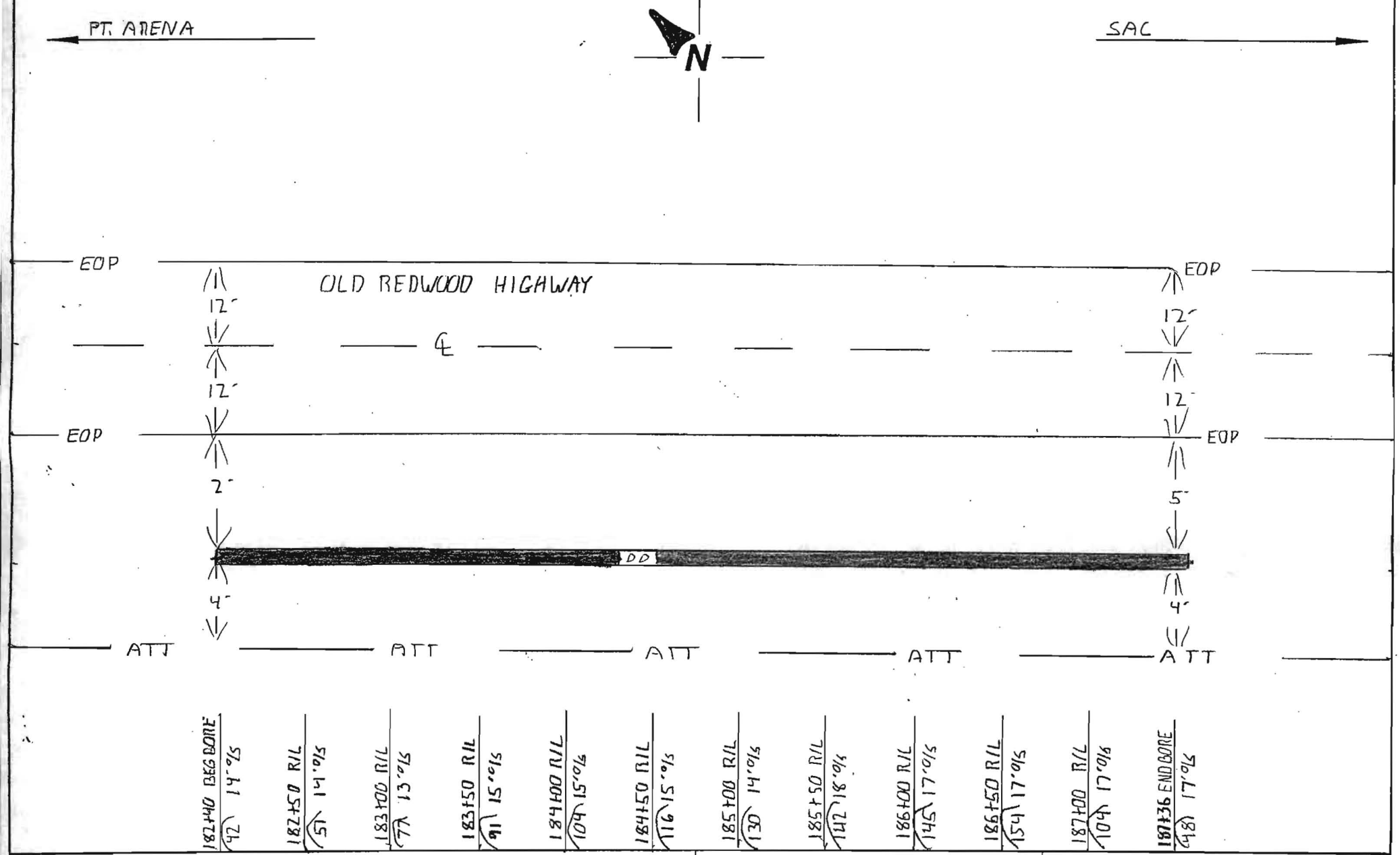
CONTRACTOR: TIDWELL / ABS

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEDRICK

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
-13-00	4875	111-112	



NOTES: TOTAL FOOTAGE - 496'

COUNTY: SONOMA

CONTRACTOR: ABS

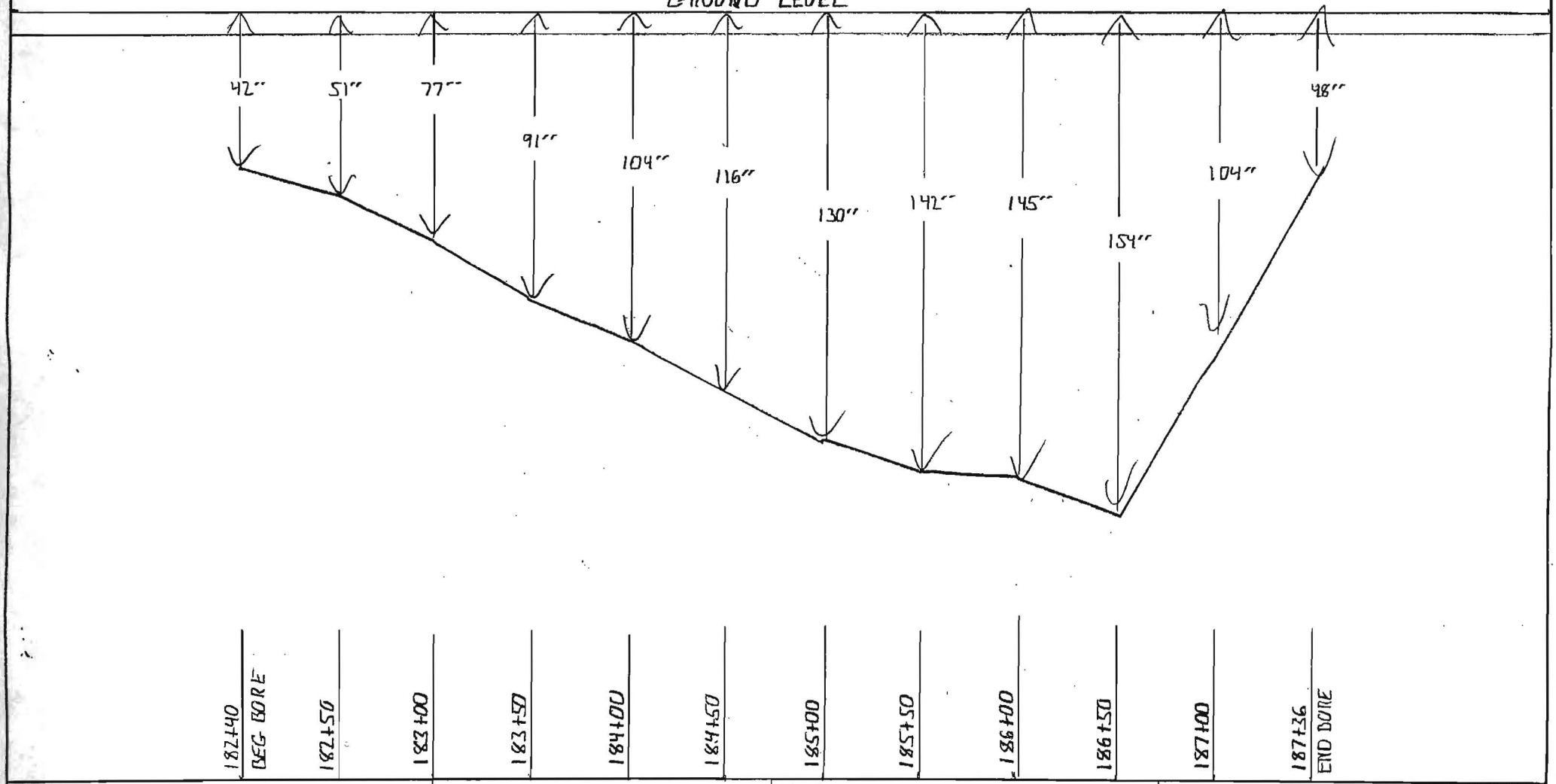
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HELDRICH

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE: 13-00	PROJECT: 4875	DWG/ALIGNMENT SHEET# 111-112	SPREAD #

PT. ARENA ← N → SAC



NOTES:	COUNTY: SONOMA	CONTRACTOR: ABS
	DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE	INSPECTOR: TODD HETDRICK

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

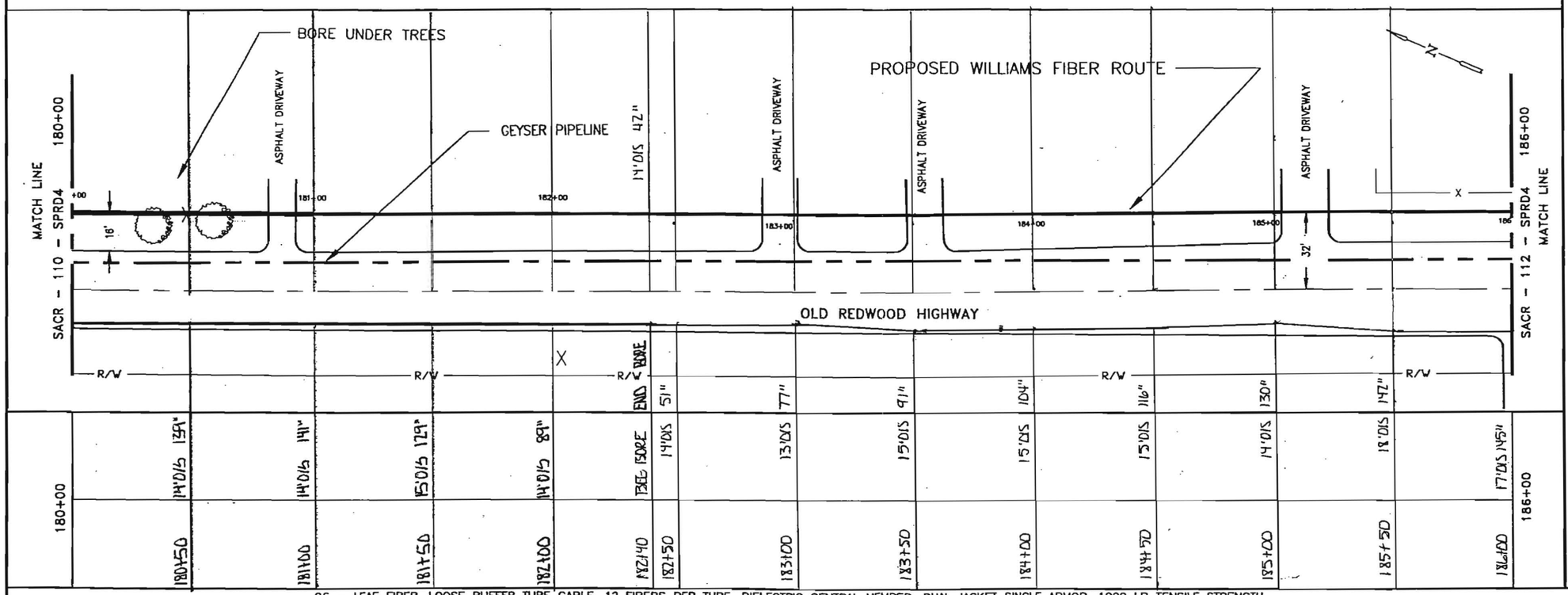
180+47 POLE | 180+87 12' RT. CL DRIVEWAY | 182+03 59' RT. POLE | 182+93 12' RT. CL DRIVEWAY | 183+54 11' RT. CL DRIVEWAY | 185+13 9' RT. CL DRIVEWAY | 185+43 7' LT. FENCE | 186+14 2' LT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



180+00	180+50	181+00	181+50	182+00	182+40	182+50	183+00	183+50	184+00	184+50	185+00	185+50	186+00
	14'0/S 129'	14'0/S 141'	15'0/S 129'	14'0/S 89'	15'0/S	14'0/S	13'0/S 77"	15'0/S 91"	15'0/S 104"	15'0/S 116"	14'0/S 130"	15'0/S 124"	17'0/S 145"

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
1-1.25" HDPE, 1-1.5" BLUE HDPE, 1-1.5" ORANGE HDPE

180+00	182+40
182+40	186+00
240'	360'
2.11	2.11
2-1.5" HDPE 1-1.25" HDPE ERIC BALLING ABS	2-1.5" HDPE 1-1.25" HDPE TODD HEINRICH 17_13_00 ABS -

IN BLACK 1.25" HDPE
6GA TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

WILLIAMS COMMUNICATIONS GROUP Network Services

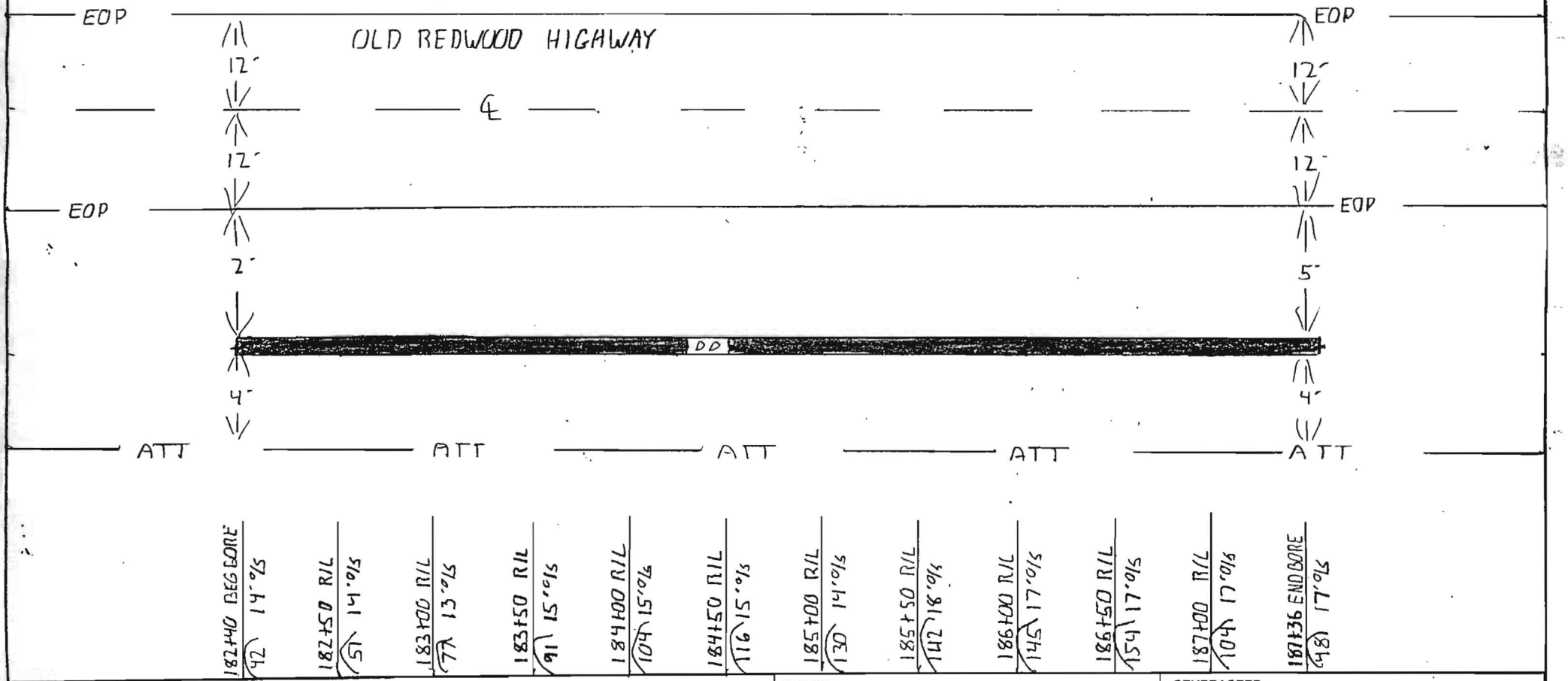
POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-111-SPRD4

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
1-13-00	4875	111-112	

PT. ARENA ← N → SAC



NOTES: TOTAL FOOTAGE - 496'

COUNTY: SONOMA

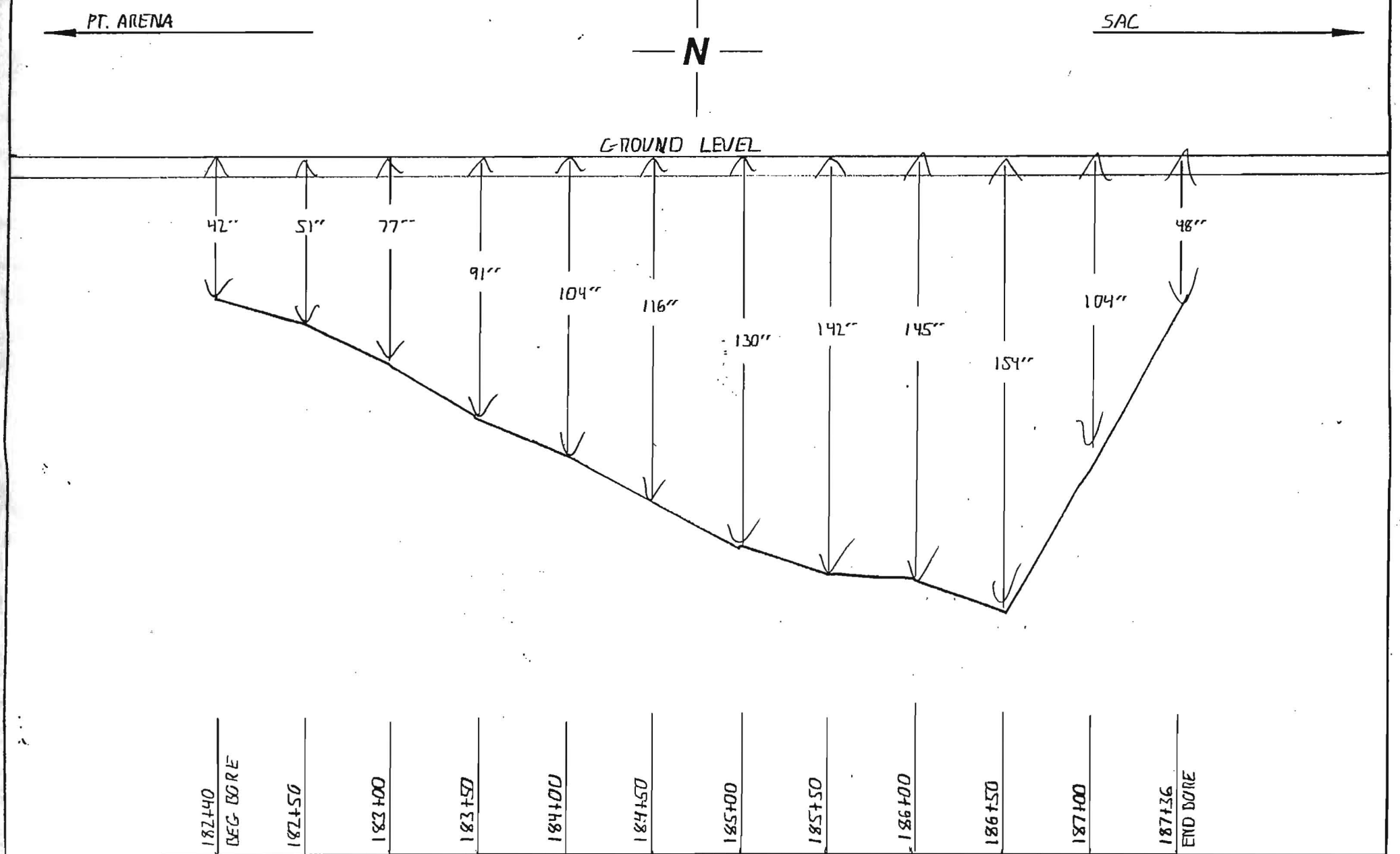
CONTRACTOR: ABS

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEDRICK

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
-13-00	4875	111-112	



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	ABS
	DUCT CONFIGURATION:	INSPECTOR:
PAGE 2 OF 2	(2) 1.5" (1) 1.25" HDPE	TODD HEIDRICK

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

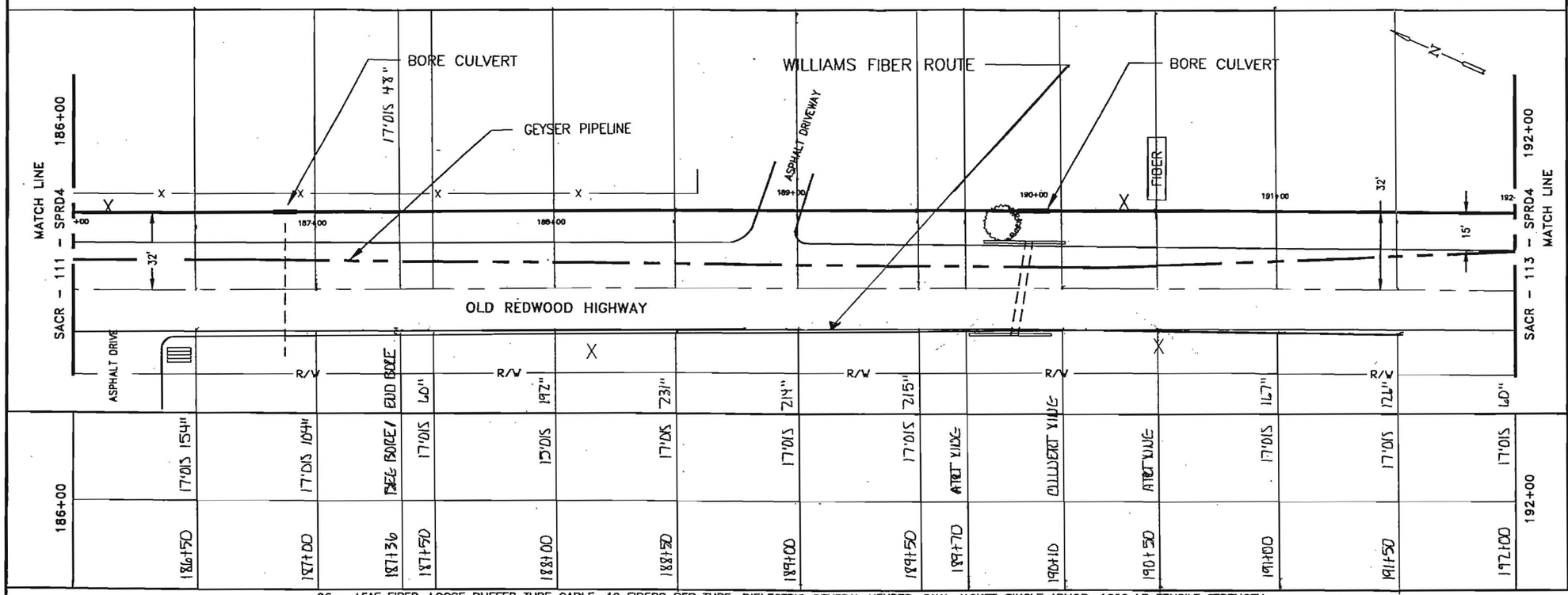
186+43 58' RT. STORM DRAIN
186+87 9' RT. CULVERT
186+87 59' RT. CULVERT
188+14 58' RT. POLE
188+58 6' LT. FENCE
188+89 10' RT. CL. DRIVEWAY
189+91 50' RT. CULVERT
189+97 12' RT. CULVERT
190+37 3' LT. POLE
190+51 2' RT. FIBER MARKER
190+51 55' RT. POLE
192+03 2' LT. POLE
192+03 57' RT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" BLACK, 1-1.5" BLUE, 1-1.5" ORANGE

186+00
187+36
136'
2.11
2-1.5" HDPE
1-1.25" HDPE
TODD HEIDRICK
12.13.00
ABS-

187+36
192+00
464'
2.11
2-1.5" HDPE
1-1.25" HDPE
TODD HEIDRICK
12.12.00
ABS-

IN BLACK 1.25" HDPE
GEN. TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1–800–227–2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

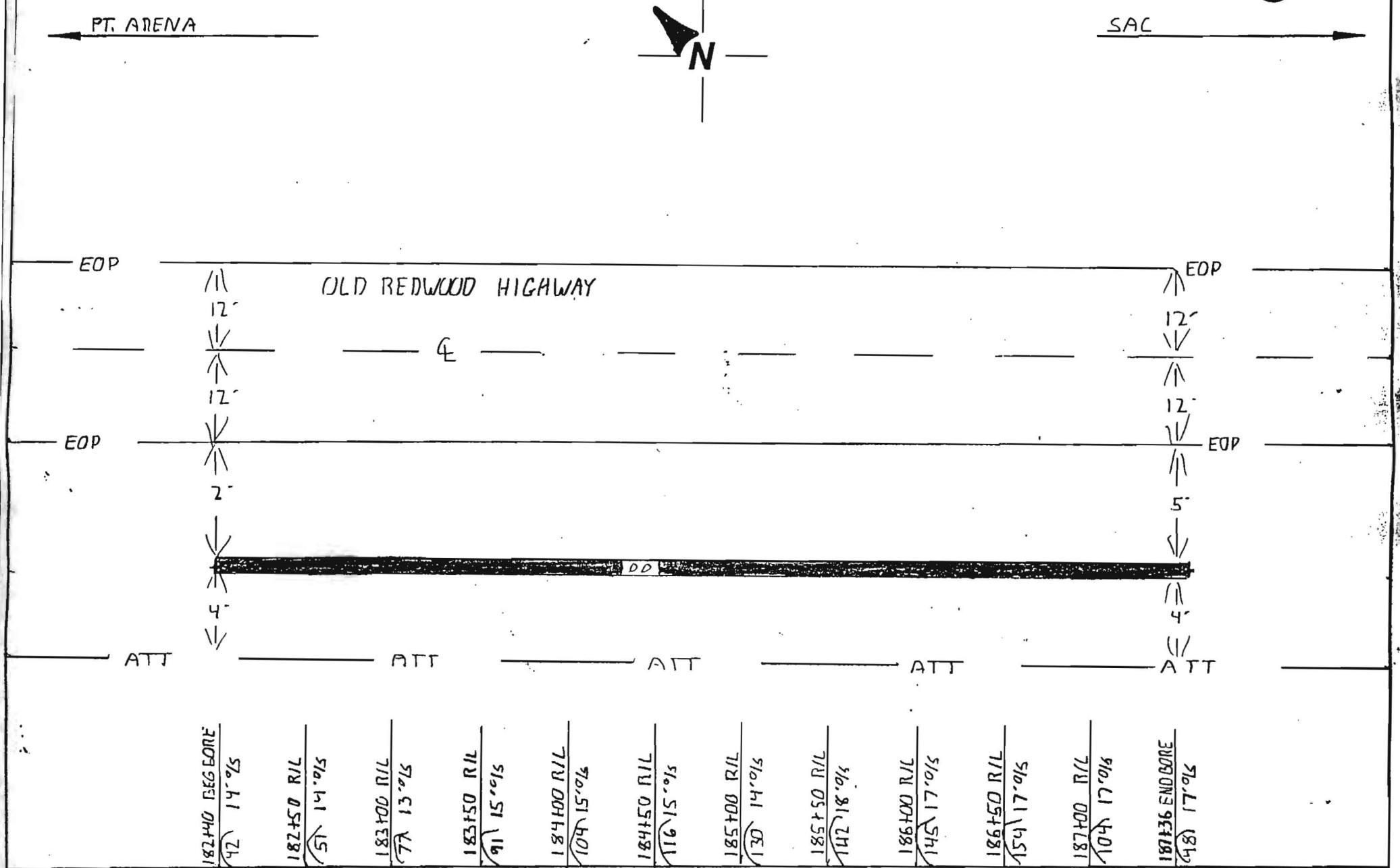
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–112–SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE: 7-13-00 | PROJECT: 4875 | WORK ACCOMPLISHED: 111-112



NOTES: TOTAL FOOTAGE - 496'

COUNTY: SONOMA

CONTRACTOR: ABS

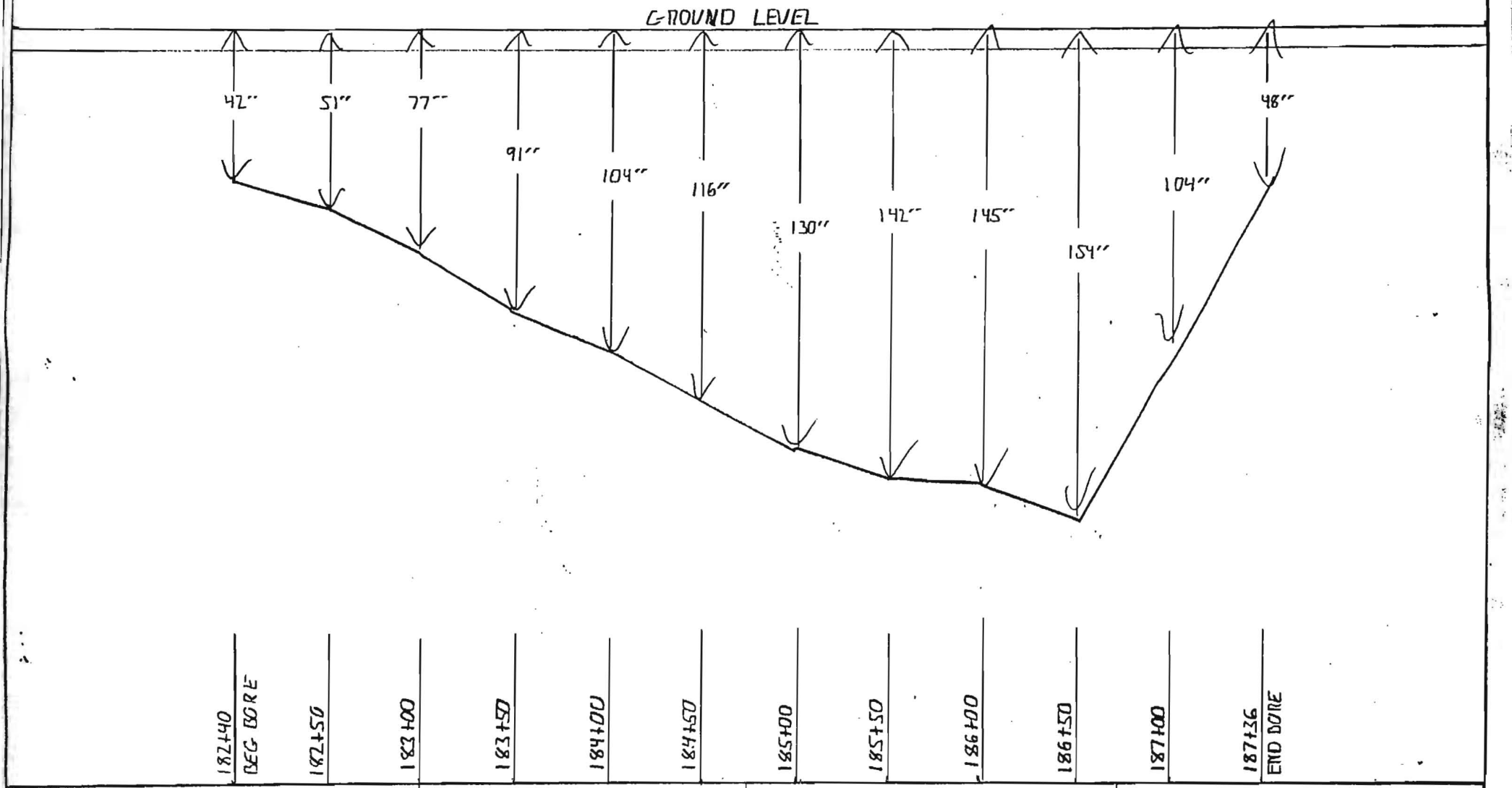
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE: 13-00	PROJECT: 4875	DWG/ALIGNMENT SHEET#: 111-112	SPREAD #:

PT. ARENA ← N → SAC



NOTES:

COUNTY: SONOMA

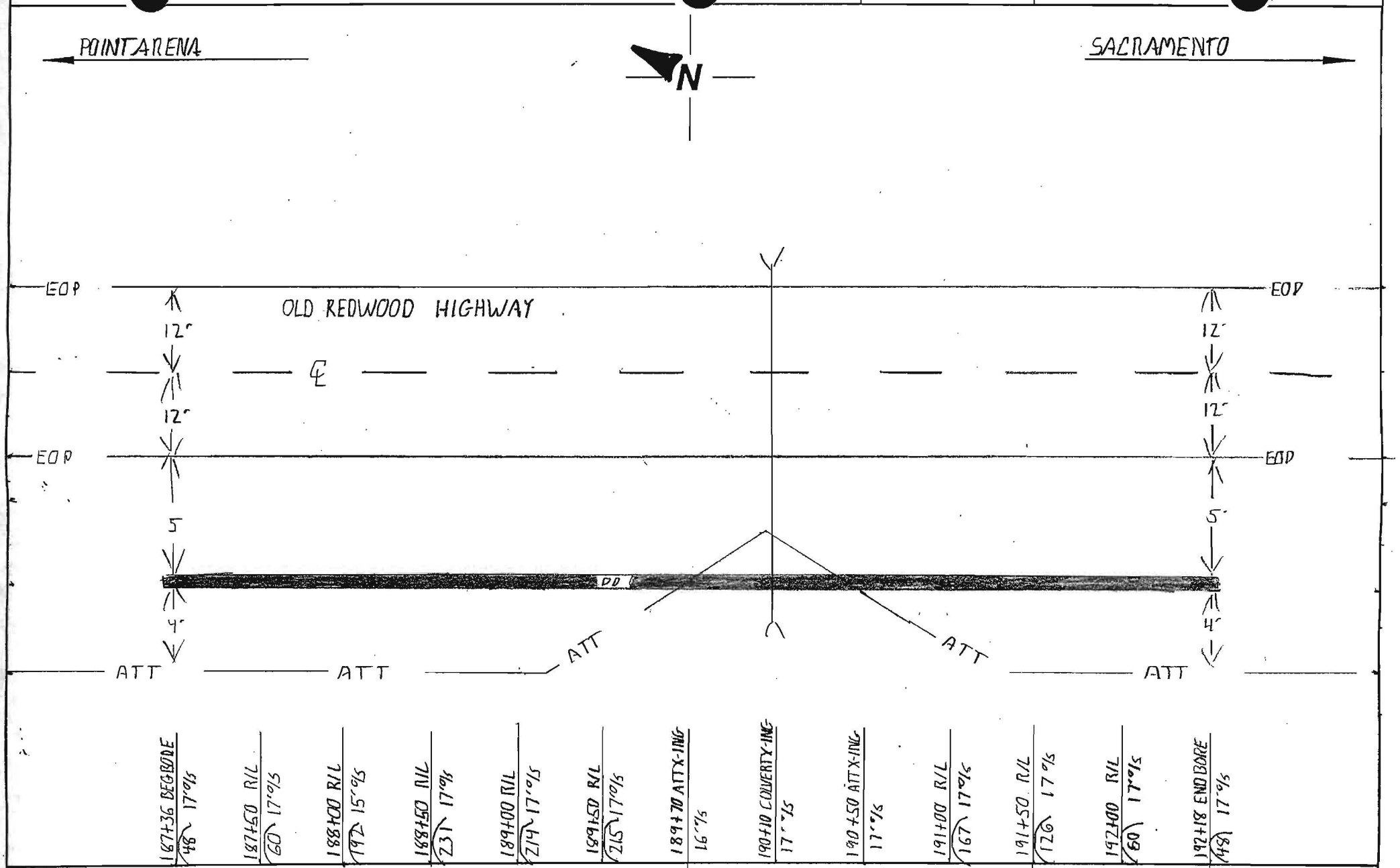
CONTRACTOR: ABS

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HENDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
[illegible]-12-00	4875	112-113	[illegible]



NOTES: TOTAL FOOTAGE - 482'

COUNTY: SONOMA

CONTRACTOR: A.B.S.

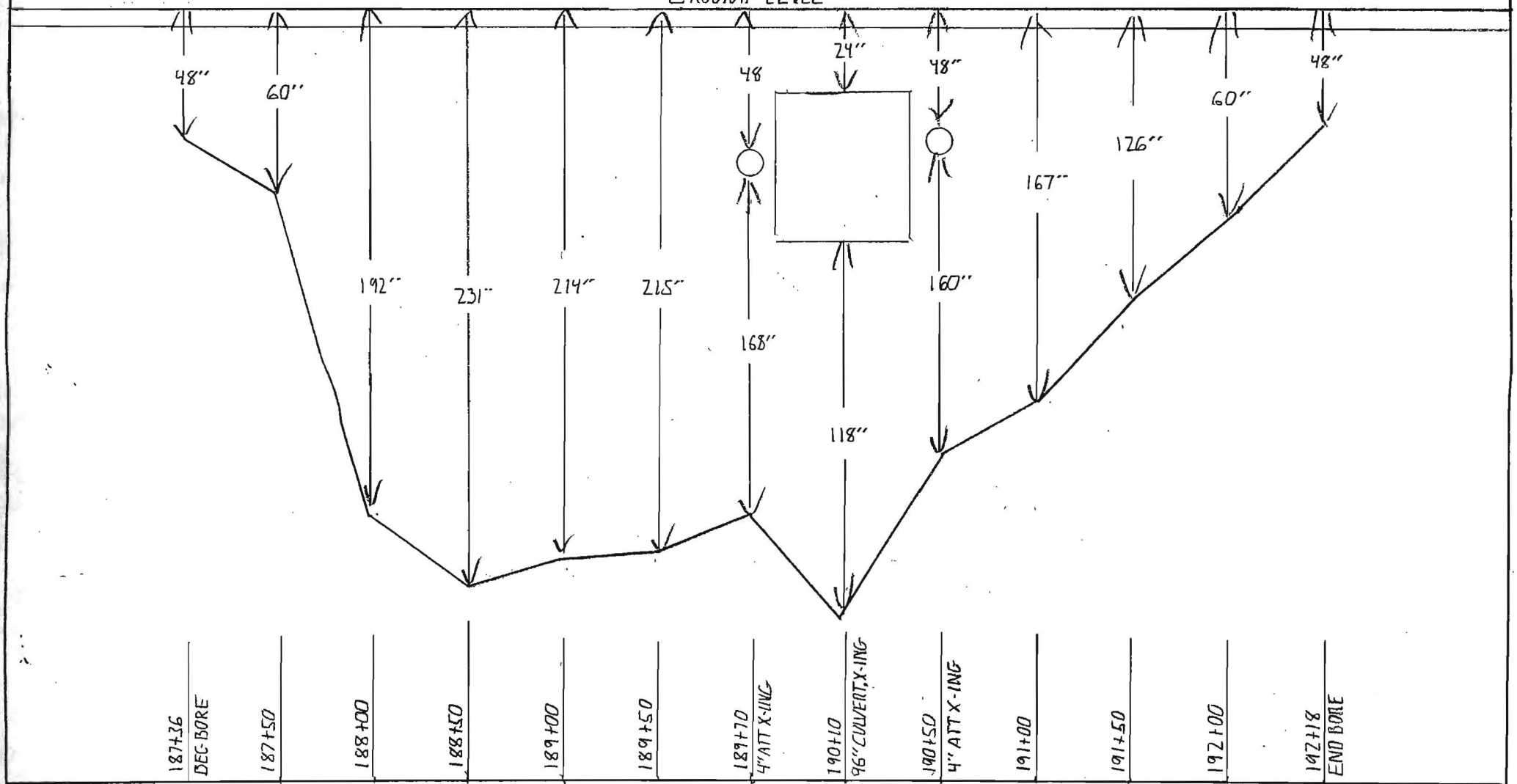
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICH

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
12-00	4875	112-113	

POINT ARENA ← — N — → SAC.



NOTES:

COUNTY: SONOMA

CONTRACTOR: A.B.S.

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HELDRICK

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

197+18 WCE MANHOLE
TODD HEIDRICK 12.11.00

GLORIA TAROR 7-9-01

193+75 11' RT. CL DRIVEWAY

194+34 31' RT. CL DRIVEWAY

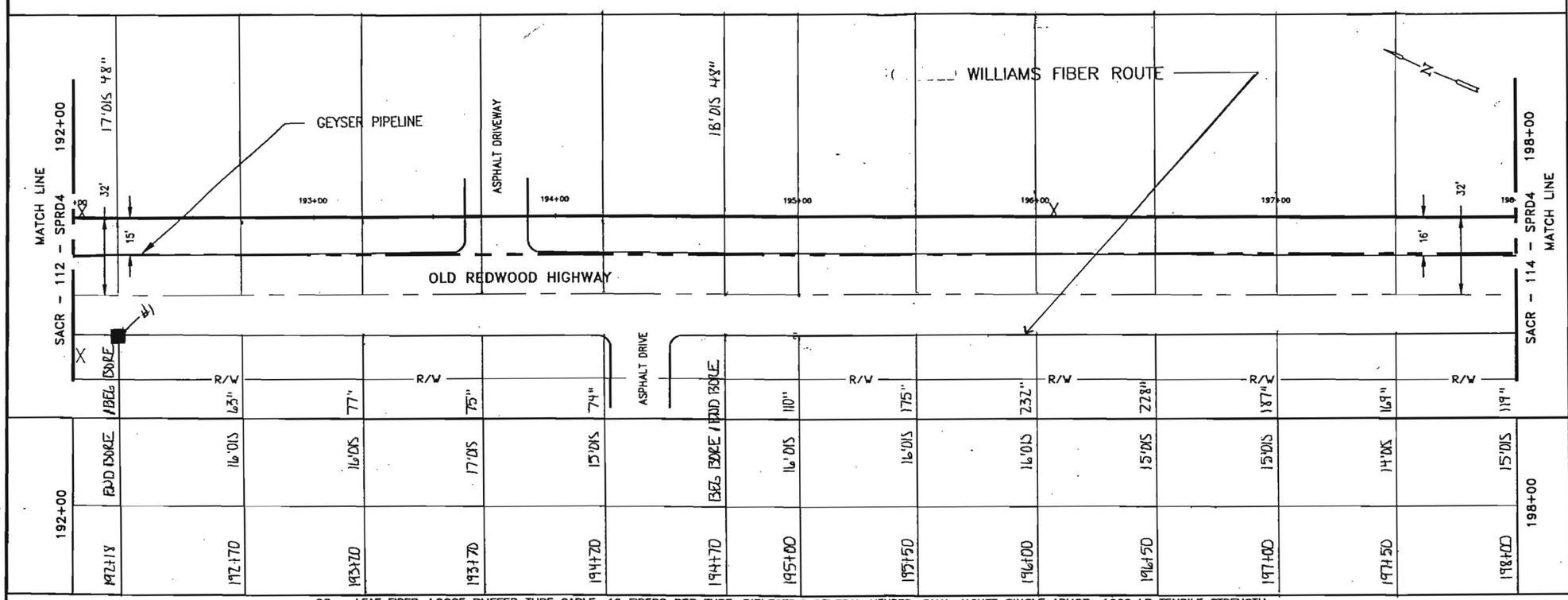
196+07 3' LT. POLE

ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA

→ SACRAMENTO



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" BLACK, 1-1.50" BLUE, 1-1.25" ORANGE

197+00	197+18		194+70
197+18	194+70		198+00
18'	252'		350'
2.11	2.11		2.11
2-1.5" HDPE	2-1.5" HDPE		2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE		1-1.25" HDPE
TODD HEIDRICK	ERIK BALLING		TODD HEIDRICK
12.11.00	12.14.00		12.12.00
ABS-	ABS-		ABS-

IN BLACK 1.25" HDPE
GGA. TRACER WIRE
GLORIA TAROR
7-9-01

LEGEND

(44)	Interstate Hwy.		Regen Site
(66)	U.S. Hwy.		P.O.P./Jct.
(1)	State Hwy.	(S)	Handhole Splice
(1A)	County Road	(H)	Handhole
RR	RR Mile Mkr.	[S]	Manhole Splice
MS	Misc. Road Sign	[M]	Manhole
			SS Manhole
	New Fiber Cable	×	Power Pole
	Township Line	(W)	Water Valve / Meter
	City Limits	(G)	Gas Valve / Meter
R/W	R/W Line		Signal Pole
	River/Stream		Fire Hydrant
	CL Road		Gas Marker
	CL RR Tracks		
	Fence		Oil Marker
	Oil Pipeline		
	Gas Pipeline		Fiber Marker
	Power Line		
	Water Line		Water Inlet
	San. Sewer		
	Storm Drain		
	Telephone Line		
B.I.P.	Black Iron Pipe		
G.I.P.	Galvanized Iron Pipe		
EP	Edge of Pavement		
EG	Edge of Gravel		
FC	Face of Curb		
FL	Fog Line and/or White Line		

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9059

CAUTION

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1-888-945-2255

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
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3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

Williams COMMUNICATIONS GROUP Network Services

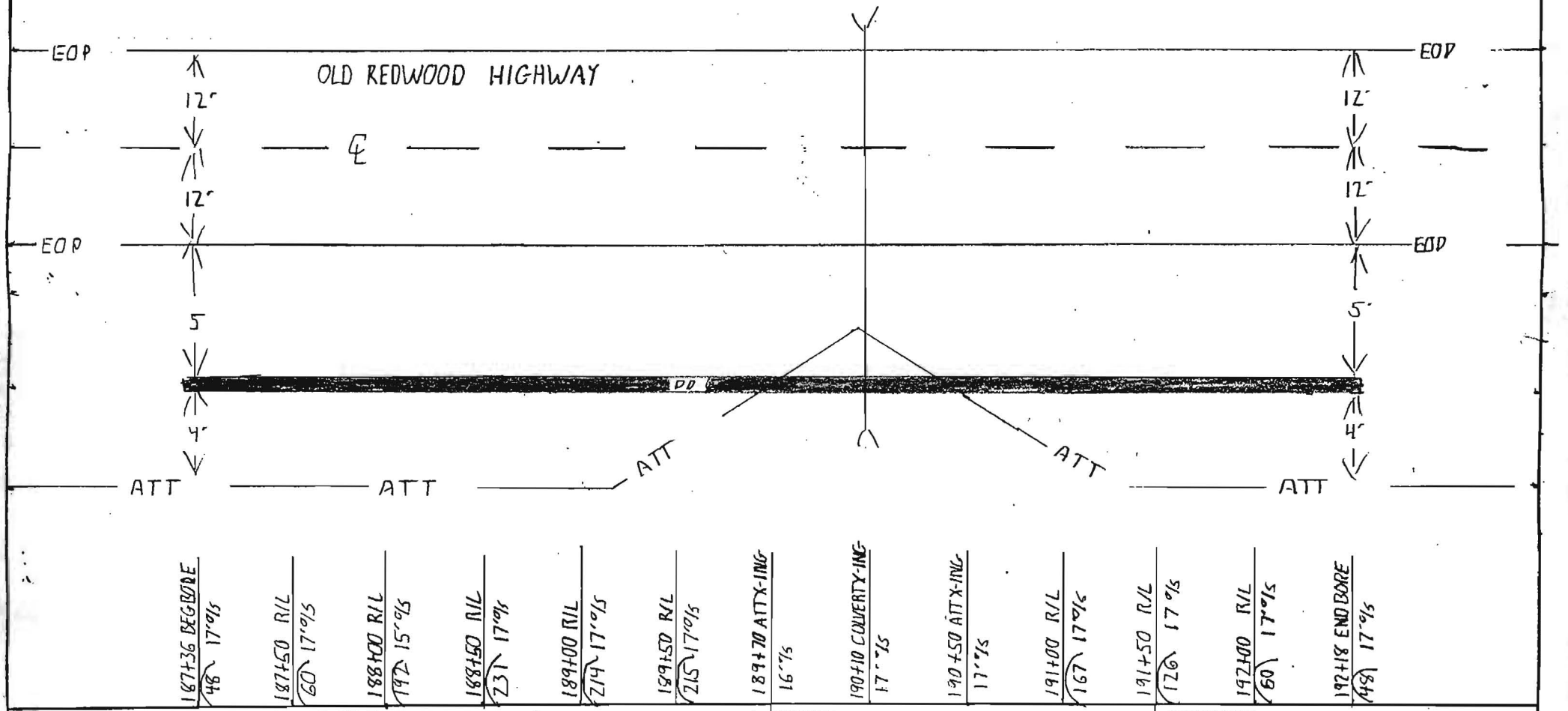
POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–113–SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
-12-00	4875	112-113	

POINT ARENA ← N → SACRAMENTO

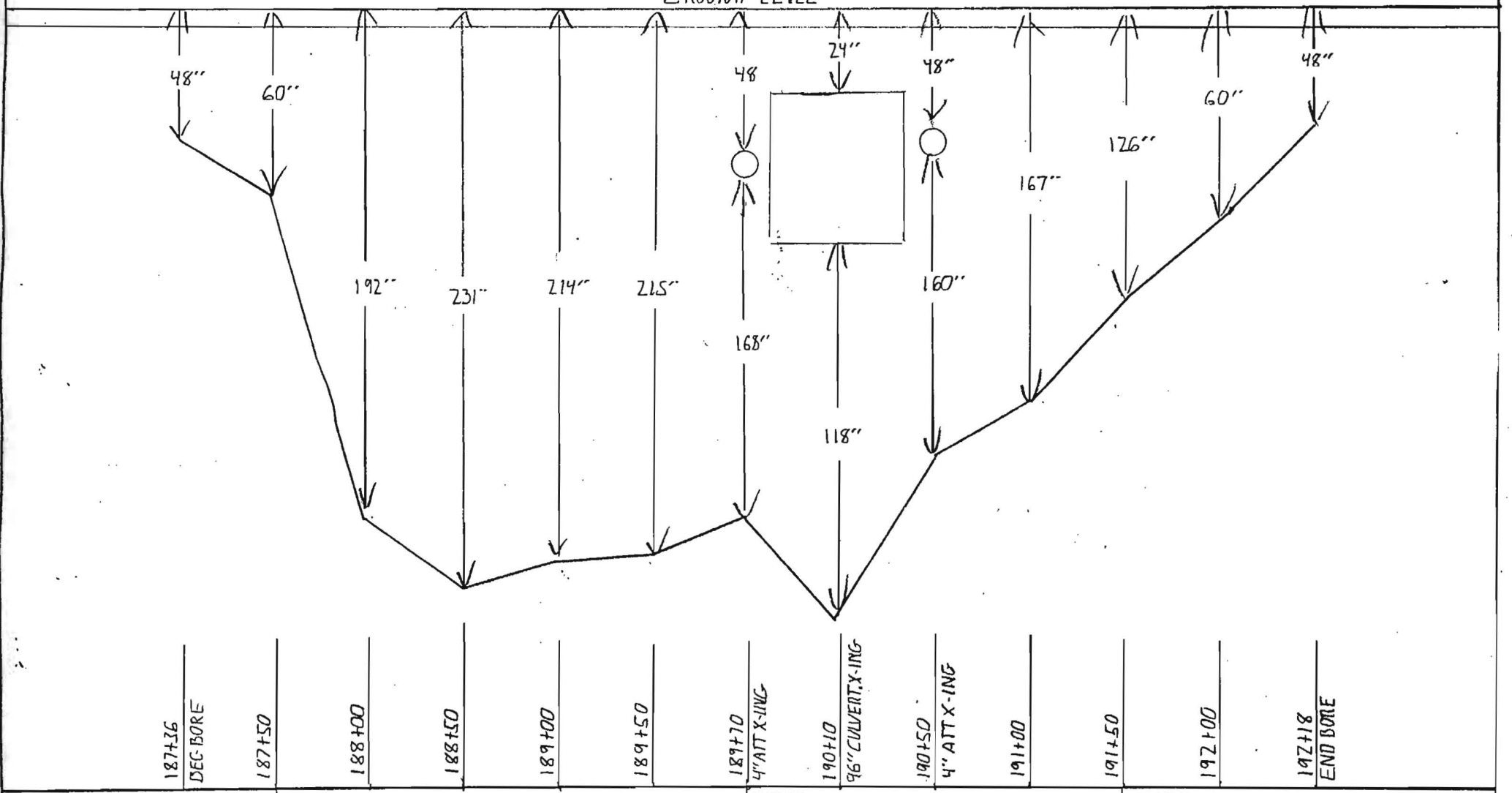


NOTES: TOTAL FOOTAGE - 482'	COUNTY: SONOMA	CONTRACTOR: A.B.S.
	DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE	INSPECTOR: TODD HEIDRICH
PAGE 1 OF 2		

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
12-00	4875	112 - 113	

POINT ARENA ← — N — → SAC.



NOTES:

PAGE 2 OF 2

COUNTY: SONOMA

CONTRACTOR: A.B.S.

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HETDRICK

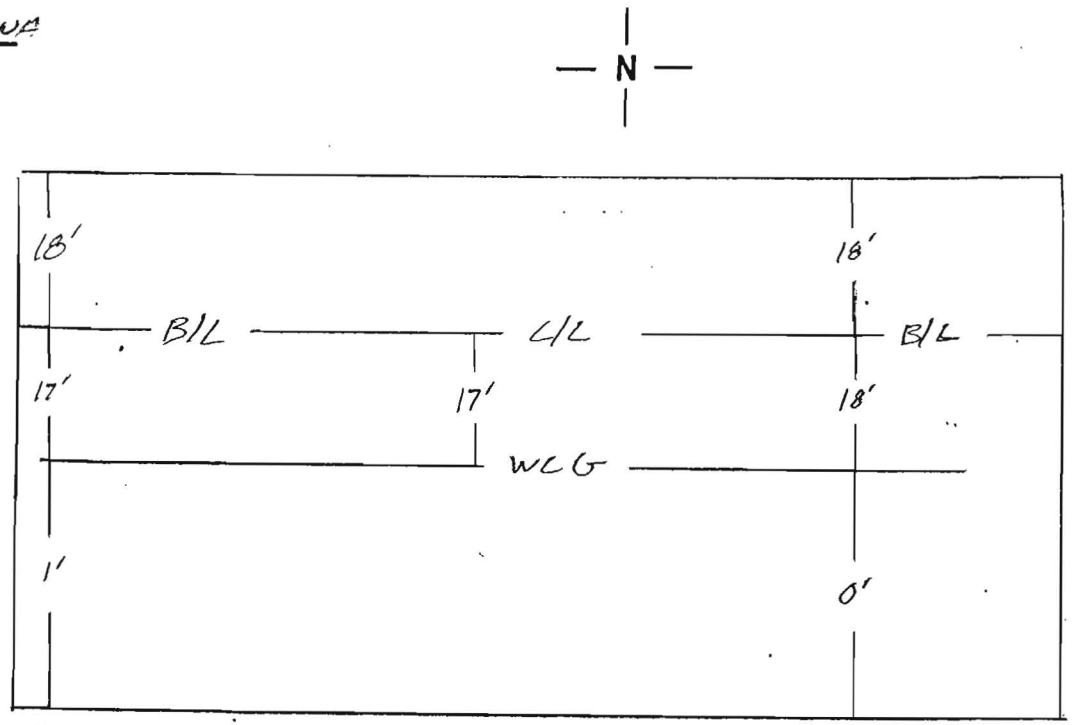
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]-00
Page No. [illegible] 2
Drawing #: SAR - 113

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 192+18 17'0/S 48"

192+70 BORE 16'0/S 63"

193+20 BORE 16'0/S 77"

193+70 BORE 17'0/S 75"

194+20 BORE 15'0/S 74"

END BORE 144+70 18'0/S 48"

Notes: BEGIN AND END NUMBERS WERE PICKED UP FROM ANOTHER INSPECTOR.

County: SONOMA

Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"

Contractor: TIDWELL SUB-ADVANCED BORING

Inspector: ERIC BALLING

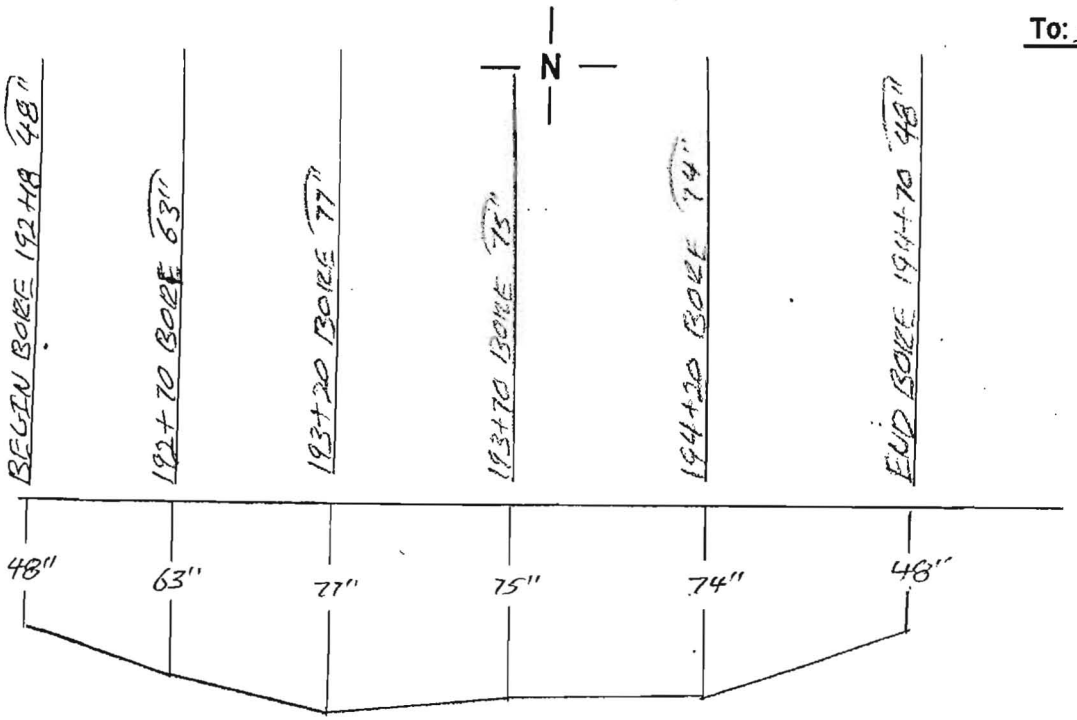
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99PS4,11

Date: 12-[illegible]-00
Page No. [illegible] 2
Drawing #: SARC-113

From: POINT ARENA

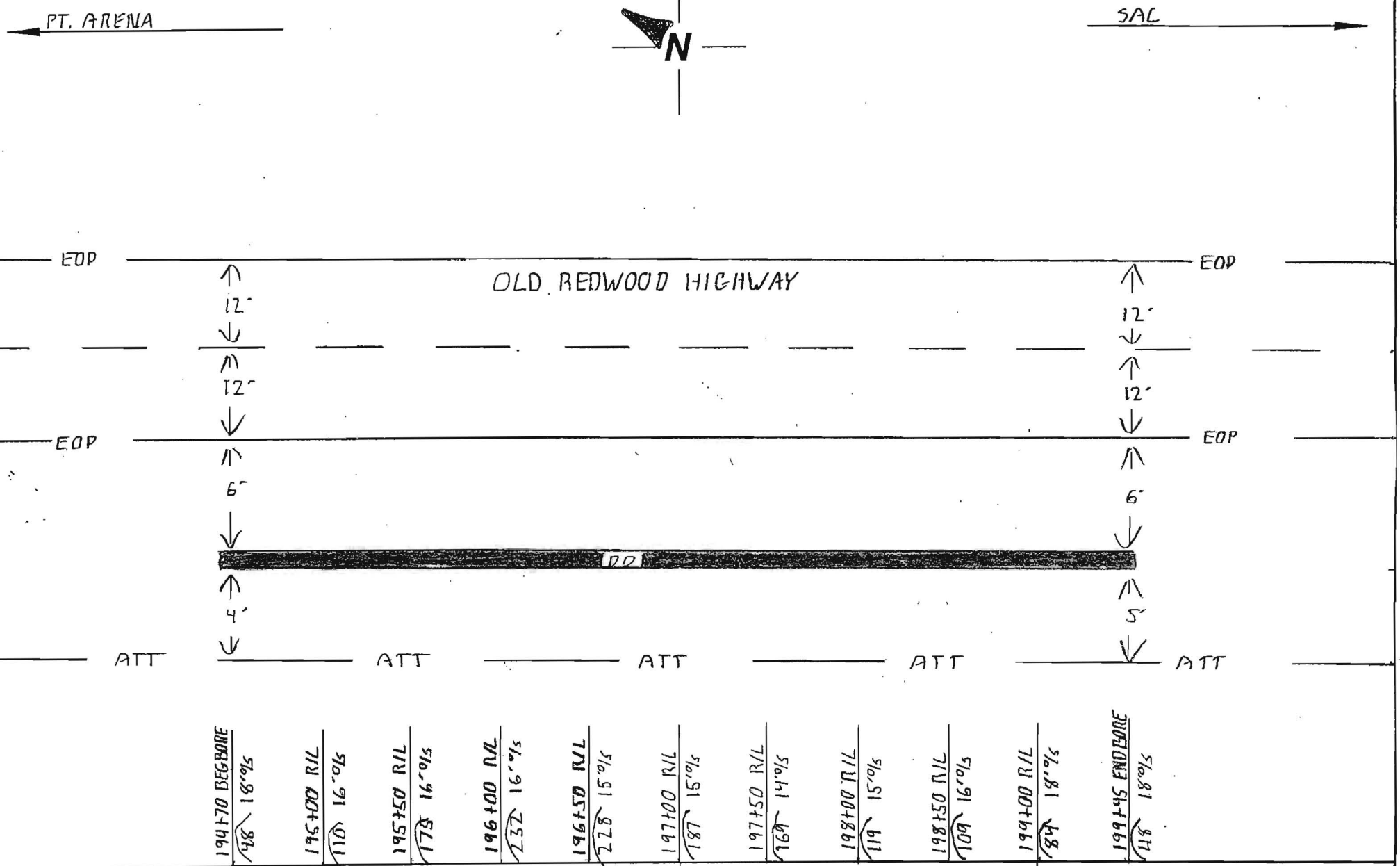
To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
7-12-00	4875	113-114	1



NOTES: TOTAL FOOTAGE-475'

COUNTY: SONOMA

CONTRACTOR: ABS

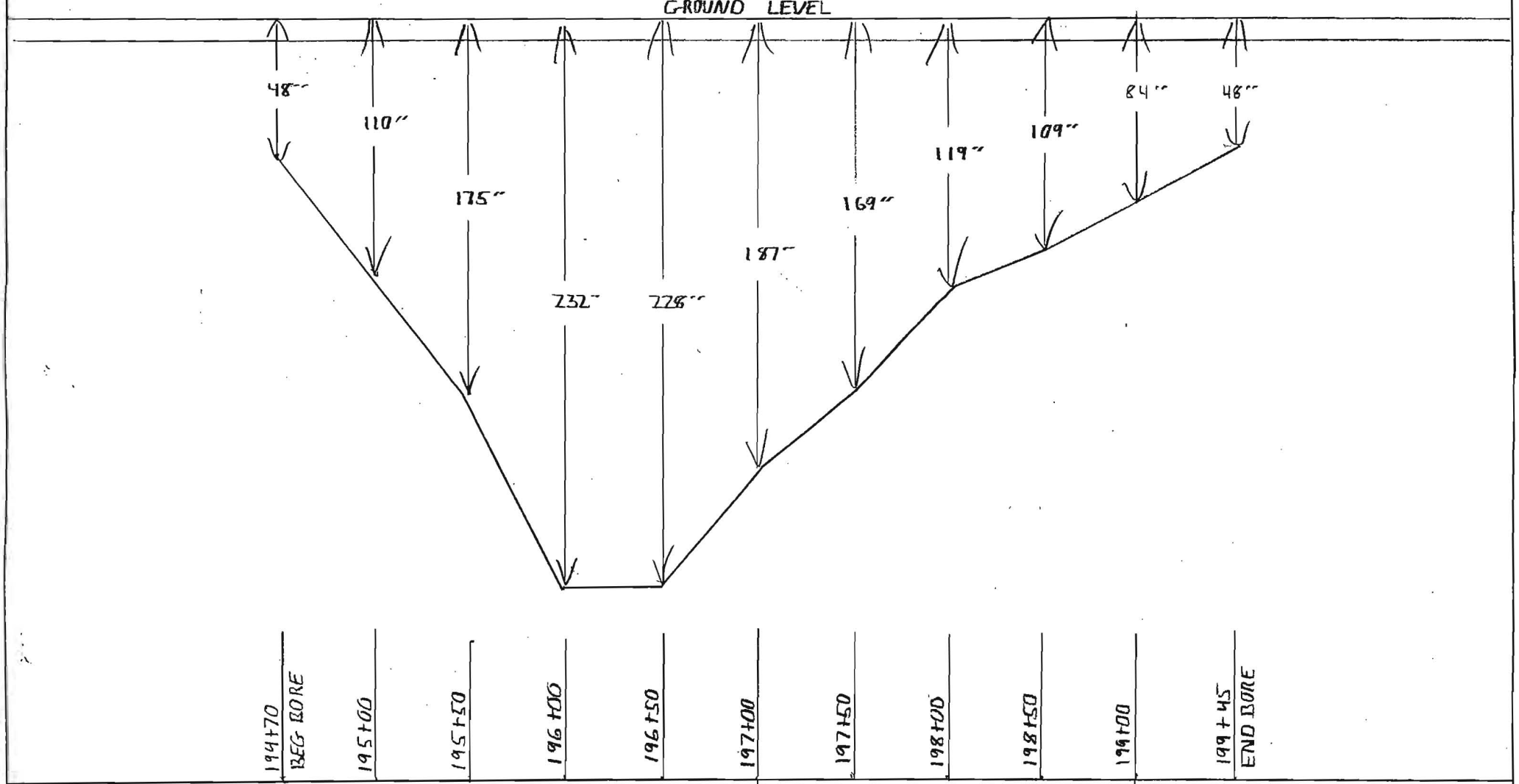
DUCT CONFIGURATION: (2)1.5"(1)1.25" HDPE

INSPECTOR: TODD HEIDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
2-17-00	4875	113-114	A

PT. ARENA ← — N — → SAC



NOTES:

COUNTY: SONOMA

CONTRACTOR: ABS

DUCT CONFIGURATION: (2)1.5" HDPE (1)1.25" HDPE

INSPECTOR: TODD HEIDRICK

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

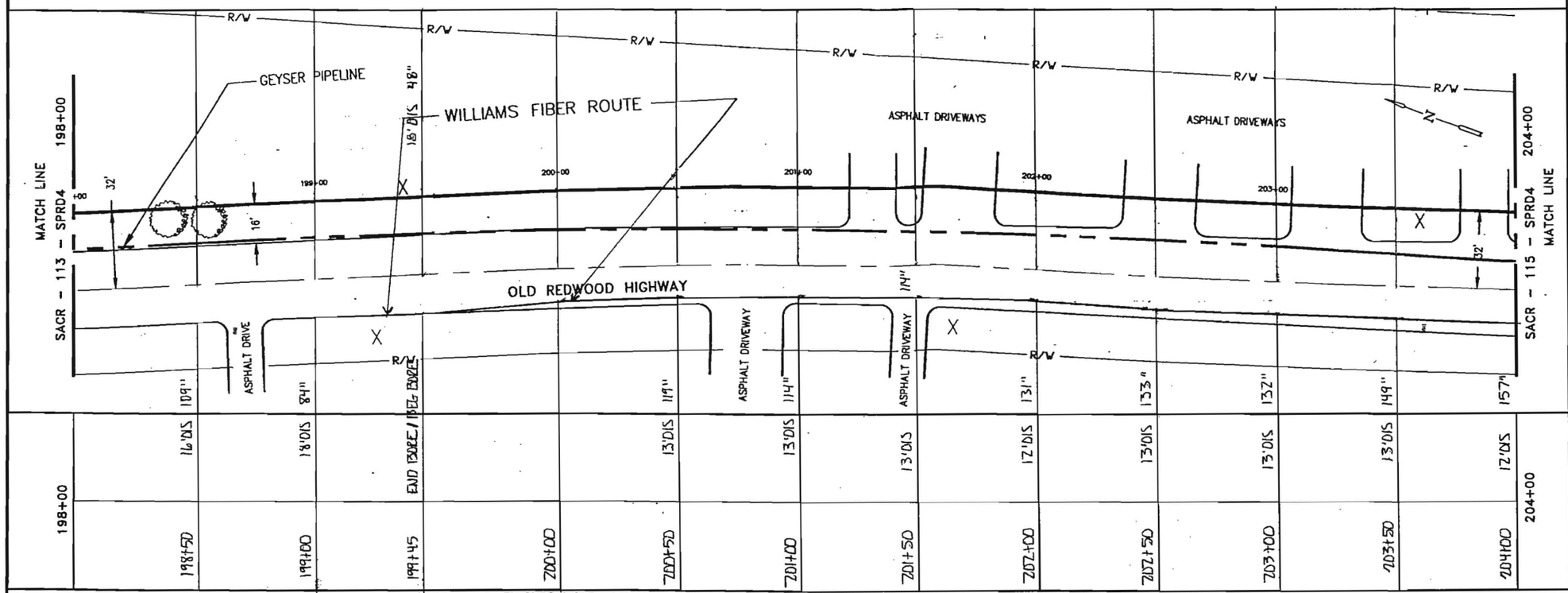
198+68 31' RT. CL DRIVEWAY
199+23 56' RT. POLE
199+37 4' LT. POLE
200+79 31' RT. CL DRIVEWAY
201+32 12' RT. CL DRIVEWAY
201+47 31' RT. CL DRIVEWAY
201+68 13' RT. CL DRIVEWAY
201+68 57' RT. POLE
202+51 9' RT. CL DRIVEWAY
203+21 8' RT. CL DRIVEWAY
203+60 4' RT. POLE
203+87 9' RT. CL DRIVEWAY
204+10 60' RT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" BLACK, 1-1.5" BLUE, 1-1.5" ORANGE HDPE

198+00	199+45
199+45	204+00
145'	455'
2.11	2.11
2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE
	ERIK BALLOG
12.12.00	12.14.00
ABS-	

IN BLACK 1.25" HDPE
66A. TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9059

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1–800–227–2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

Williams COMMUNICATIONS GROUP Network Services

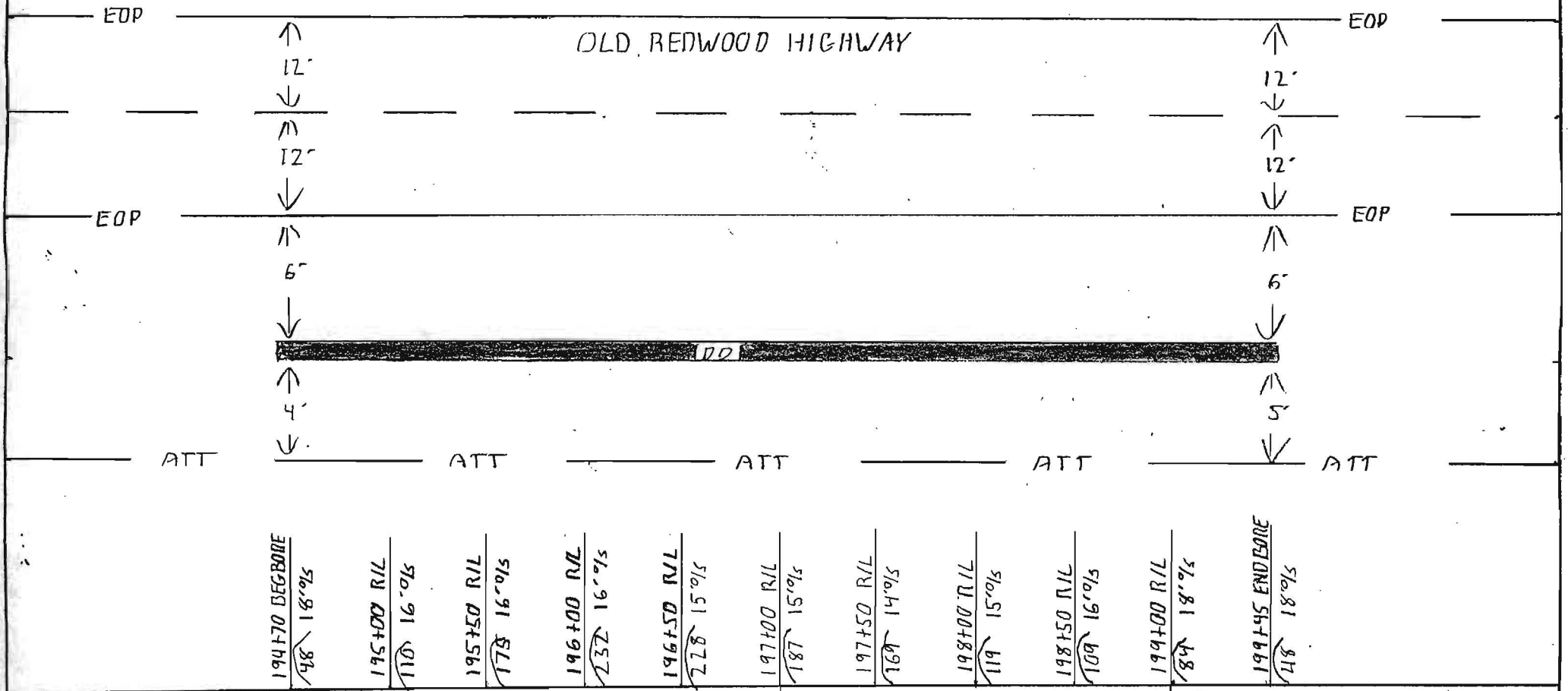
POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–114–SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SHEET #
2-12-00	4875	113-114	

PT. ARENA ← N → SAC



NOTES: TOTAL FOOTAGE-475'

COUNTY: SONOMA

CONTRACTOR: ABS

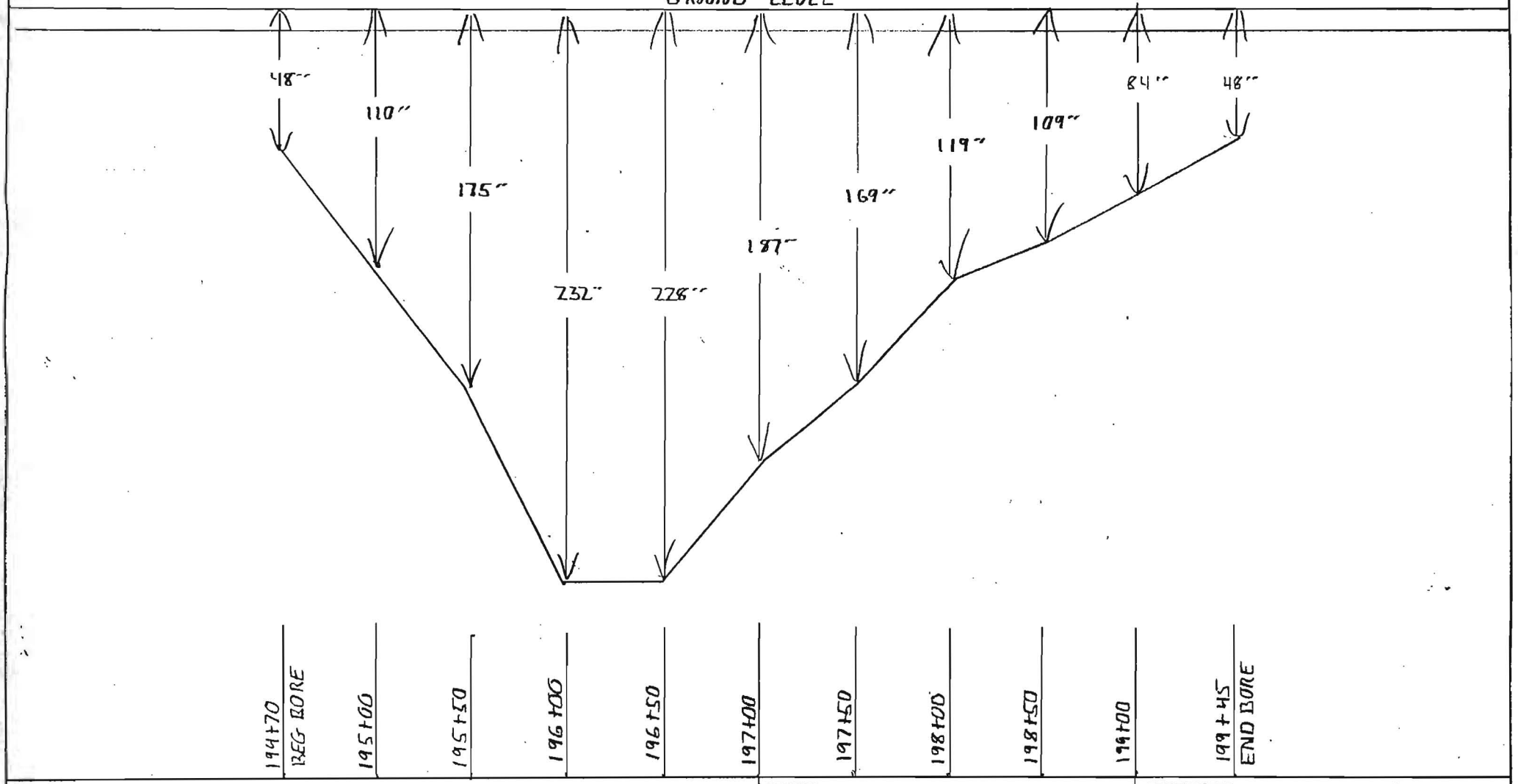
DUCT CONFIGURATION: (2)1.5"(1)1.25" HDPE

INSPECTOR: TODD HEINRICK

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
2-12-00	4875	113-114	A

PT. ARENA ← — N — → SAC



NOTES:

COUNTY: SONOMA

CONTRACTOR: ABS

DUCT CONFIGURATION: (2) 1.5" HDPE (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

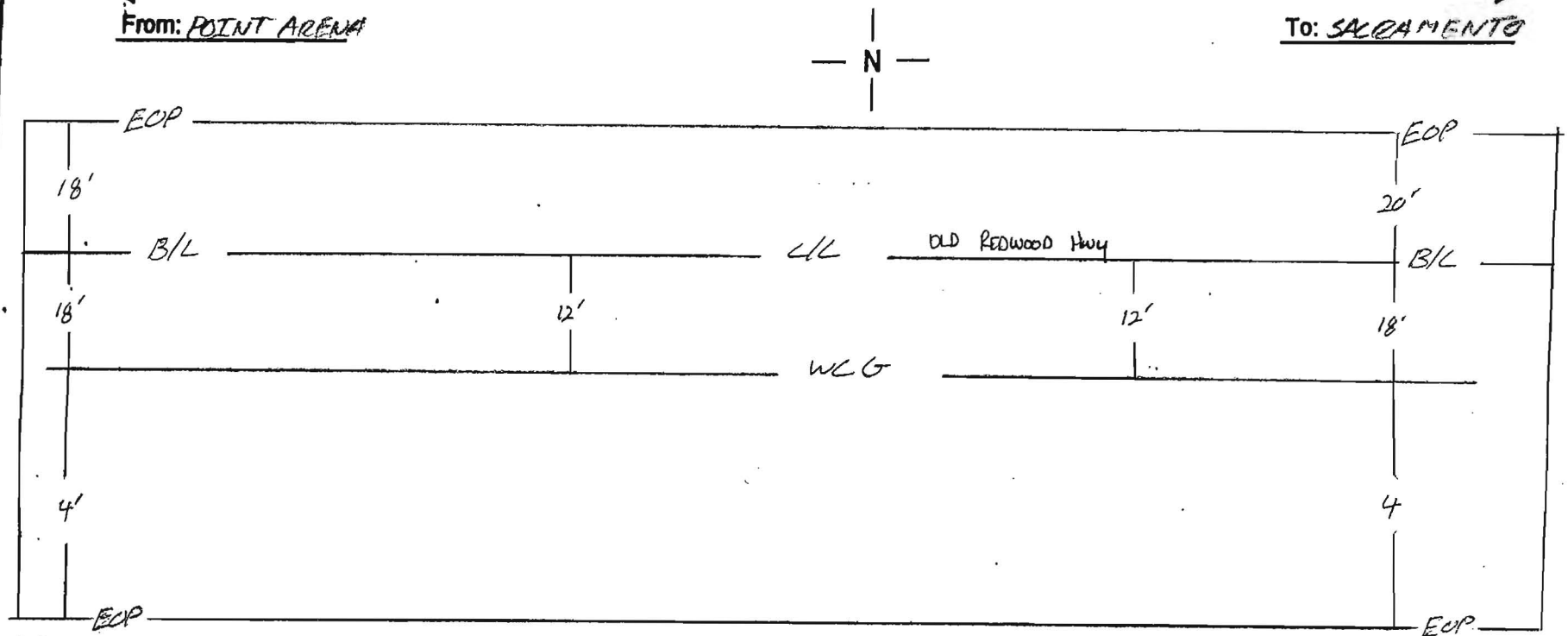
Williams Construction As-Built Documentation

Spread Local [redacted] SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

Date: 12-14-00
Page No. [redacted] 2
Drawing #: SARC - 114, 115

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 199+45 18'o/s 48"
200+00 BORE 13'o/s 81"
200+50 BORE 13'o/s 119"
201+00 BORE 13'o/s 114"
201+50 BORE 13'o/s 114"
201+68 POLE 12'o/s
202+00 BORE 12'o/s 131"
202+50 BORE 13'o/s 133"
203+00 BORE 15'o/s 132"
203+50 BORE 13'o/s 149"
204+00 BORE 12'o/s 157"
204+60 MITCHELLITE
204+10 POLE 12'o/s
204+50 BORE 13'o/s 174"
205+00 BORE 14'o/s 133"
END BORE 205+15 18'o/s 48"

Notes: RAIN WASHED OFF THE LOCATE MARKS FOR ATT

County: SONOMA

Contractor: TIDWELL
SUB - ADVANCED BORING

Duct Configuration: 1-ORANGE 1¼"
1-BLUE 1½", 1-BLACK 1¼"

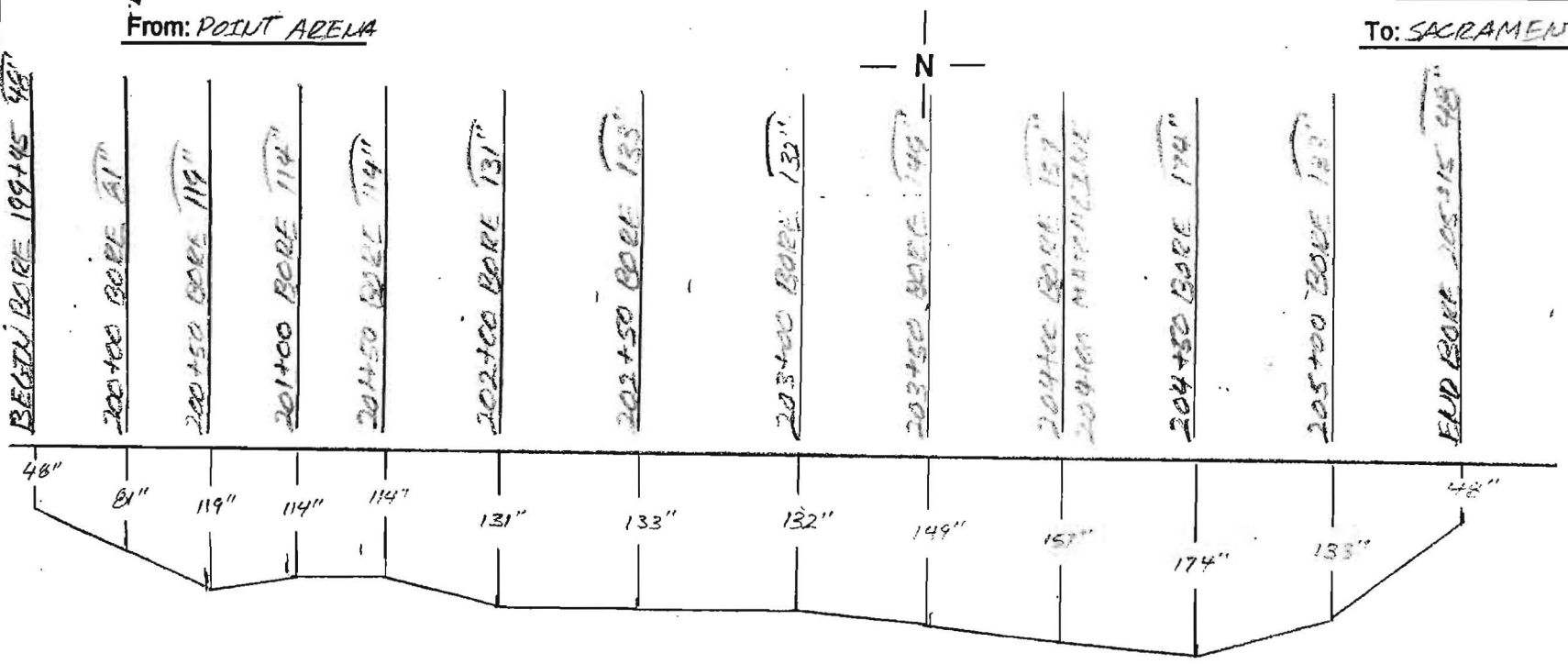
Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-1[illegible]00
Page No. 2[illegible]2
Drawing #: SARC-114, 115

From: POINT ARENA — To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2", 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

#1 205+15 BOCE MANHOLE
TODD HEIDRICK 12.27.00

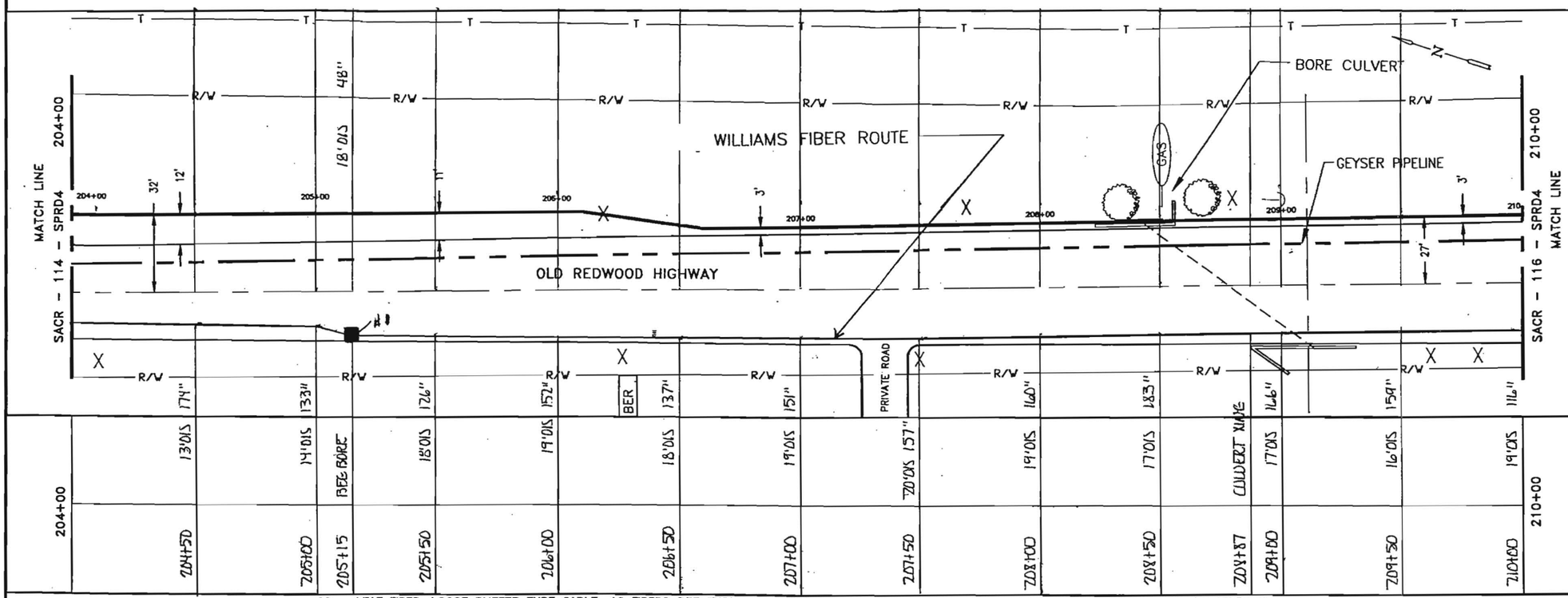
206+10 7' RT. PLACE MANHOLE
206+18 POLE
206+33 56' RT. POLE
206+40 66' RT. FIBER MARKER
207+34 25' RT. CL DRIVEWAY
207+69 7' LT. POLE
208+42 CULVERT
208+50 5' LT. GAS LINE
208+79 8' LT. POLE
209+12 53' RT. CULVERT
209+60 56' RT. POLE
209+80 57' RT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)
1-1.25" BLACK, 1-1.5" BLUE, 1-1.5" ORANGE HDPE

204+00
205+15
115'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12.14.00
ABS-

205+15
210+00
485'
2.11
2-1.5" HDPE
1-1.25" HDPE
TODD HEIDRICK
12.12.00
ABS-

IN BLACK 1.25" HDPE
6GA. TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OH Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1–800–227–2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–115–SPRD4

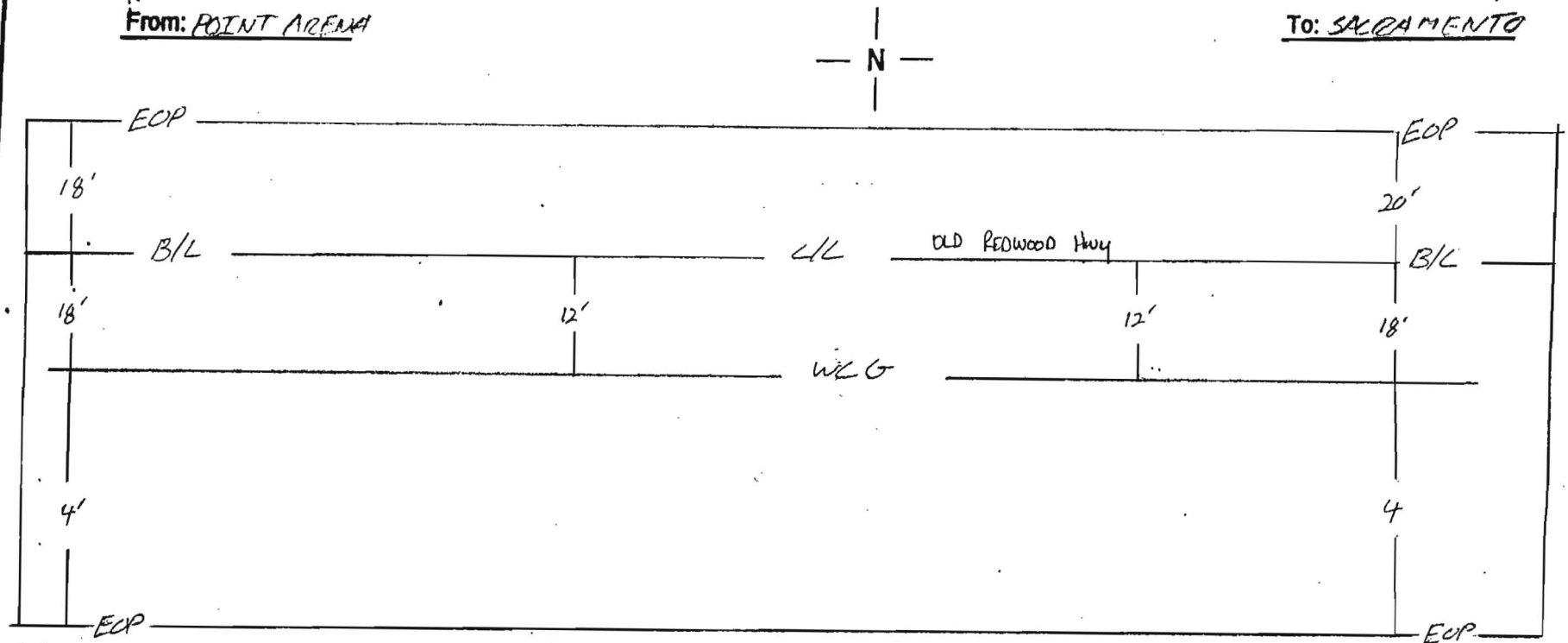
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

Date: 12-14-00
Page No. 1 of 3
Drawing #: SARC-114,115

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 194+45 18'o/s 48"
200+00 BORE 13'o/s 81"
200+50 BORE 13'o/s 119"
201+00 BORE 12'o/s 114"
201+50 BORE 12'o/s 114"
201+68 POLE 12'o/s
202+00 BORE 12'o/s 131"
202+50 BORE 12'o/s 133"
203+00 BORE 12'o/s 132"
203+50 BORE 12'o/s 142"
204+00 BORE 12'o/s 150"
204+60 MATCHLINE
204+10 POLE 12'o/s
204+50 BORE 13'o/s 174"
205+00 BORE 14'o/s 133"
END BORE 205+15 18'o/s 48"

Notes: RAIN WASHED OFF THE LOCATE MARKS FOR ATT.

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLENG

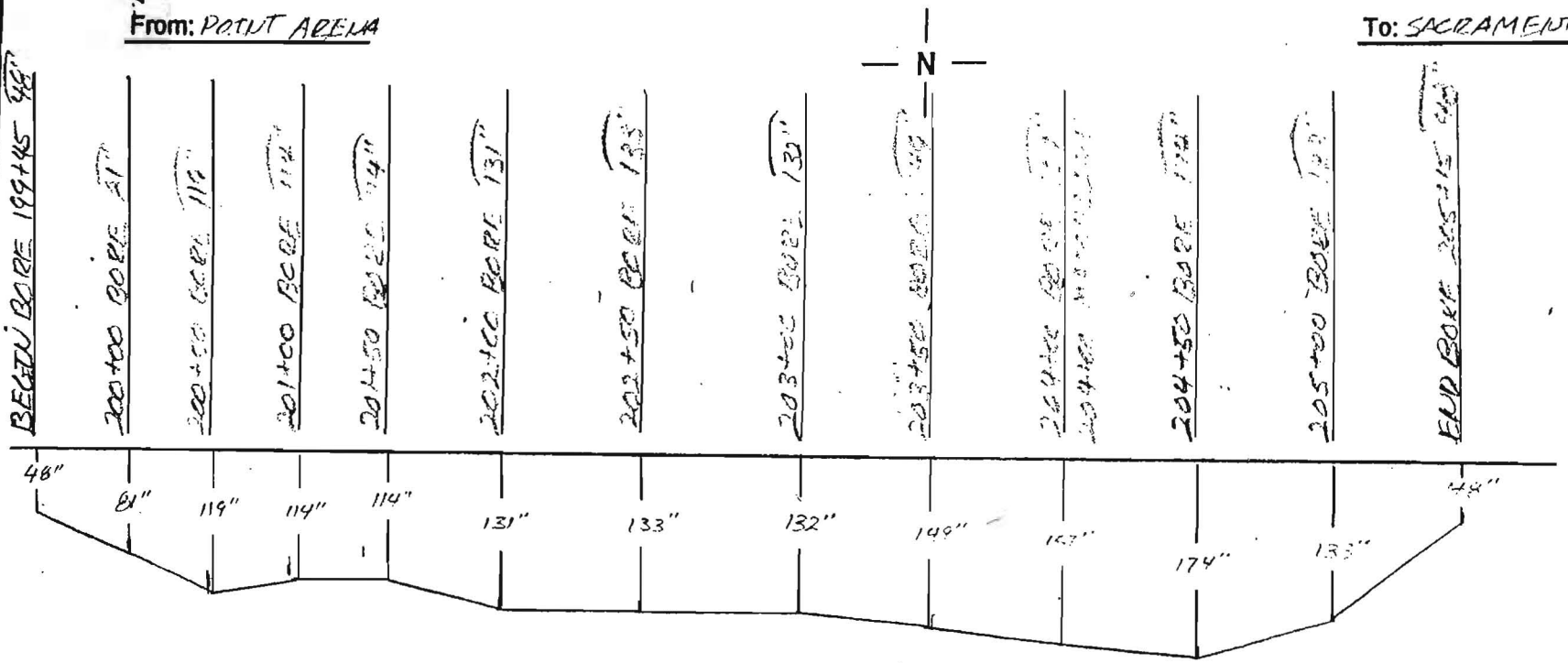
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-1[illegible]00
Page No. 2[illegible]2
Drawing #: SARC-114, 115

From: POINT ARENA

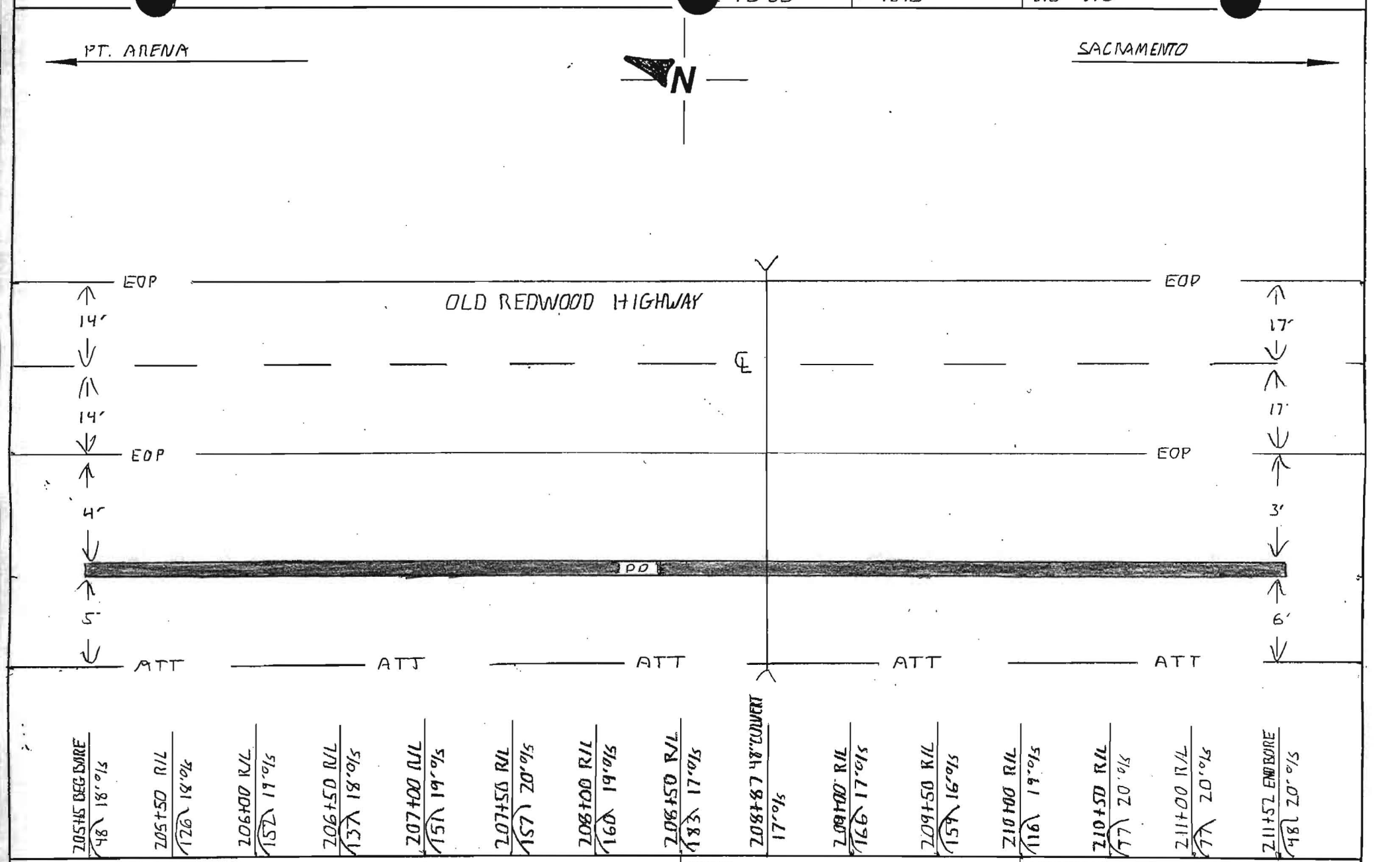
To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
-12-00	4875	115 - 116	



NOTES: TOTAL FOOTAGE - 637'

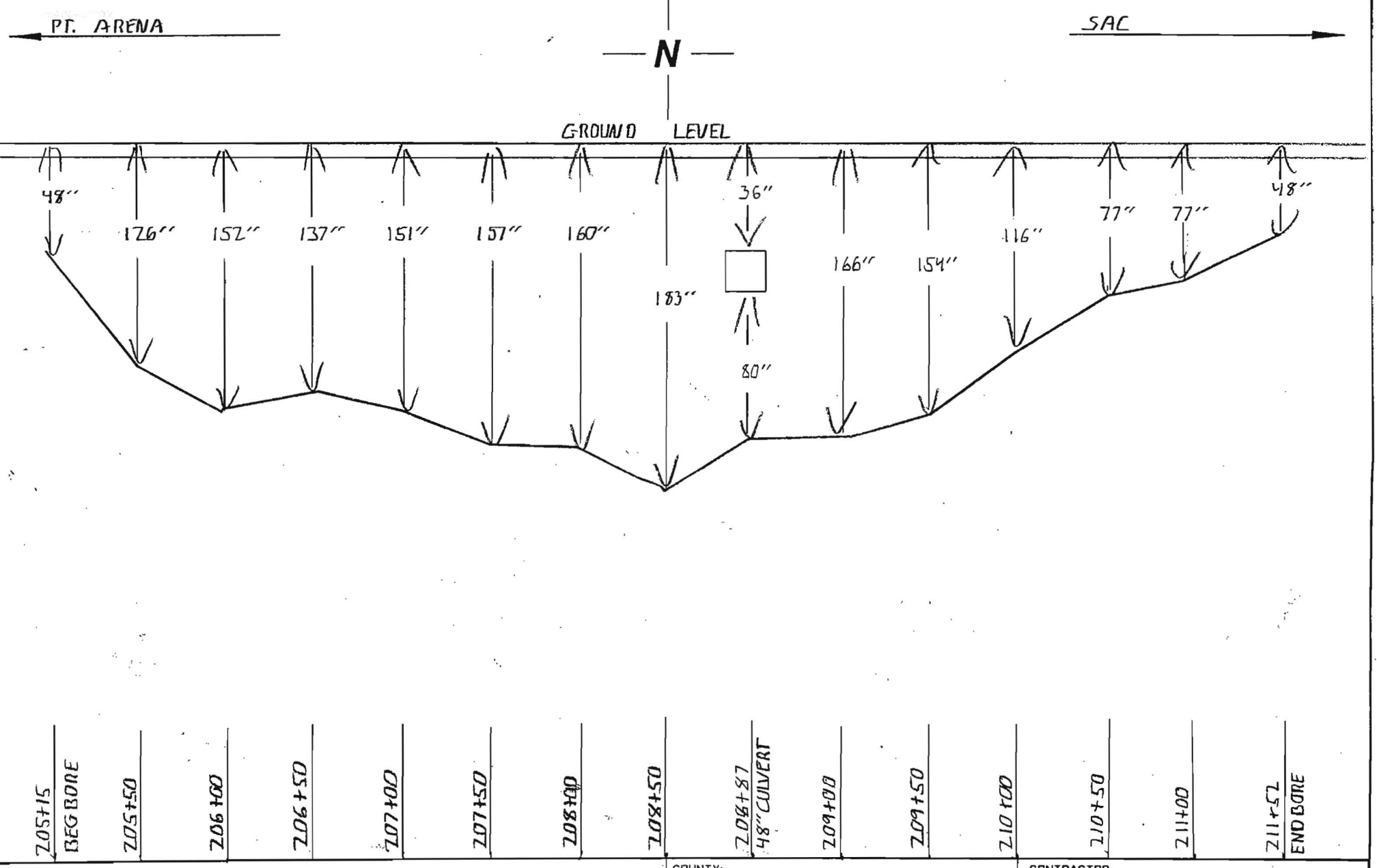
COUNTY: SONOMA

CONTRACTOR: ABS

DUCT CONFIGURATION: (2) 1.5" ID 1.25" HDPE

INSPECTOR: TODD HEIDRICH

Williams CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 2-12-00	PROJECT: 4875	DWG/ALIGNMENT SHEET#: 115-116	SPREAD #:



NOTES:

COUNTY: SONOMA

CONTRACTOR: ABS

DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

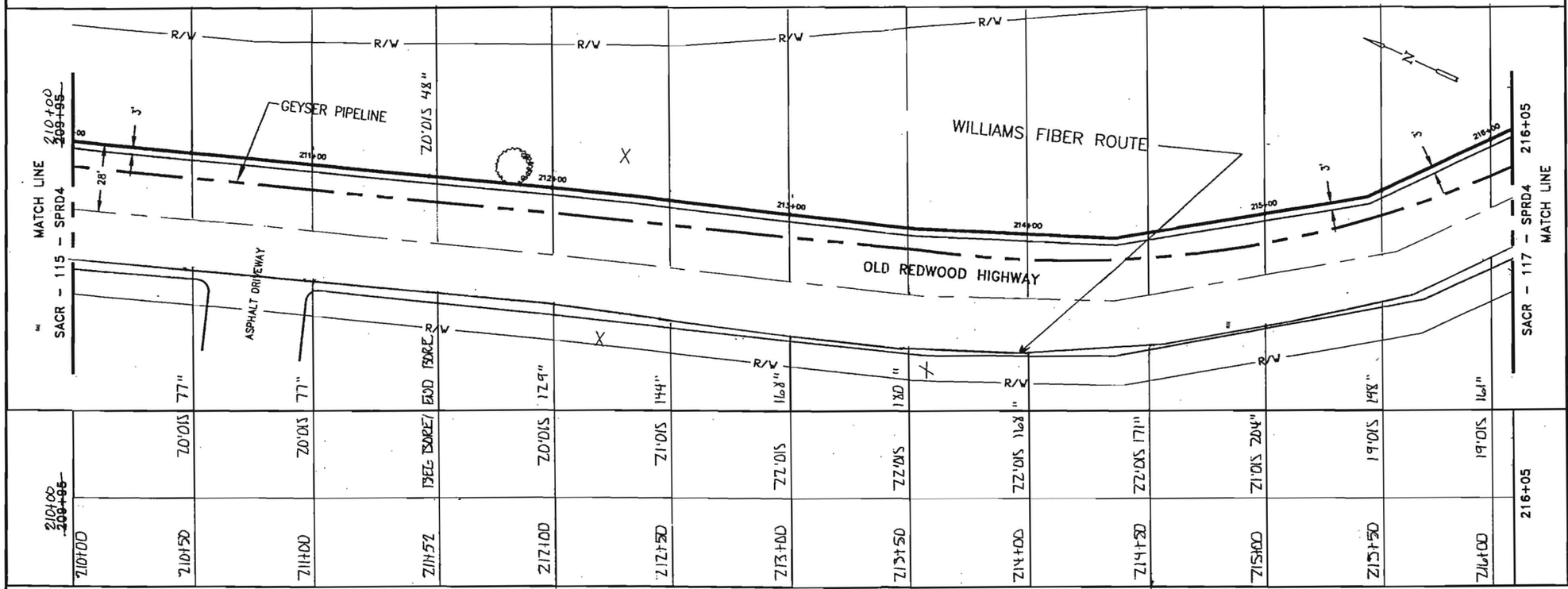
210+83 27' RT. CL DRIVEWAY
212+26 60' RT. POLE
212+29 15' LT. POLE
213+60 57' RT. POLE
215+86 54' RT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
1-1.25" HDPE, 1-1.5" BLUE, 1-1.5" ORANGE HDPE,

210+00
211+52
152'
2.11
2-1.5" HDPE
1-1.25" HDPE
TODD HEINDRICK
12_17_00
ABS-

211+52
216+00
448'
2.11
2-1.5" HDPE
1-1.25" HDPE
TODD HEINDRICK
12_17_00
ABS-

IN BLACK 1.25" HDPE
GGA TRACER WIRE
GLORIA TABOR
2-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line end/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

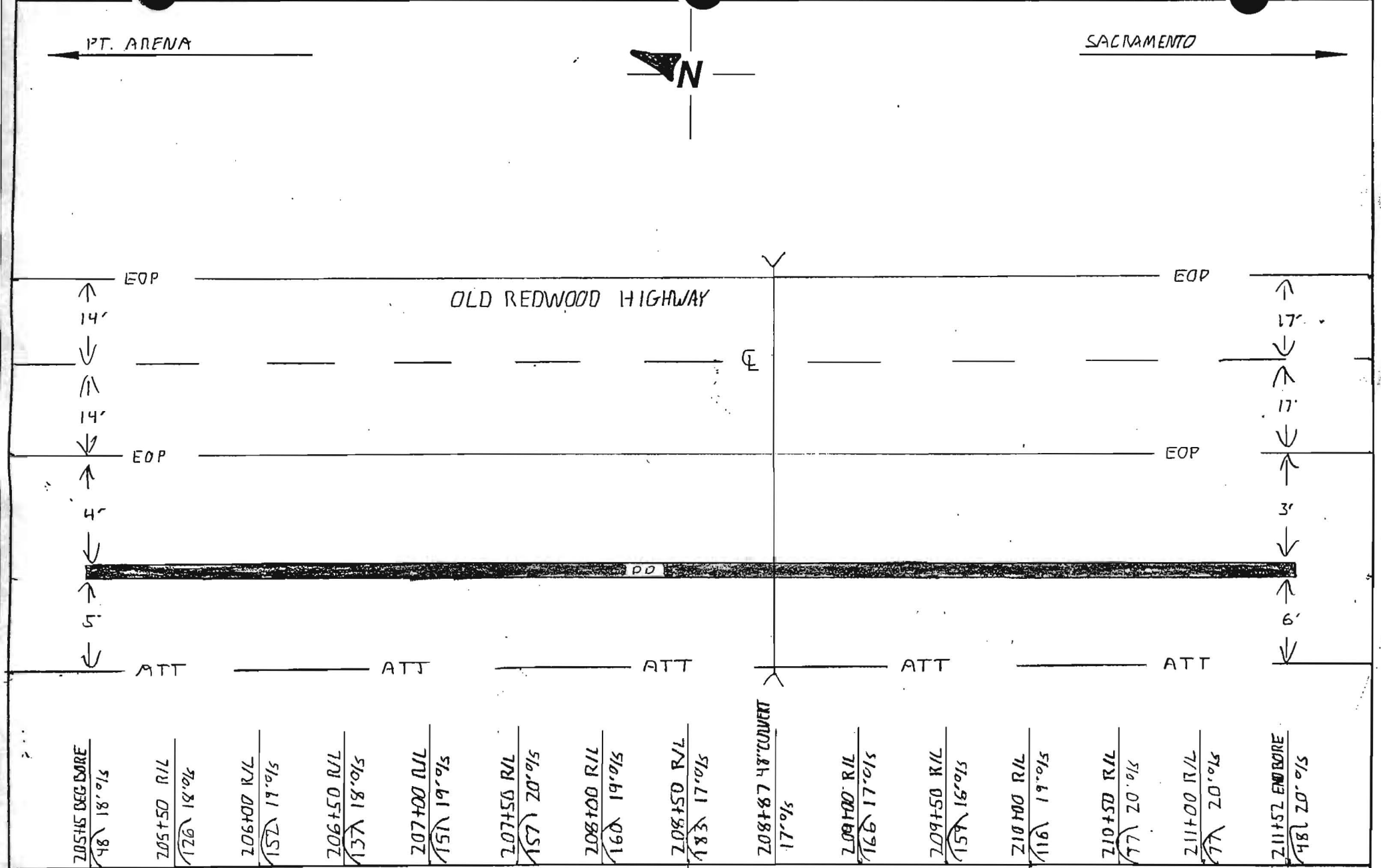
Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-116-SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
7-12-00	4875	115 - 116	



NOTES: TOTAL FOOTAGE - 637'

COUNTY: SONOMA

CONTRACTOR: ABS

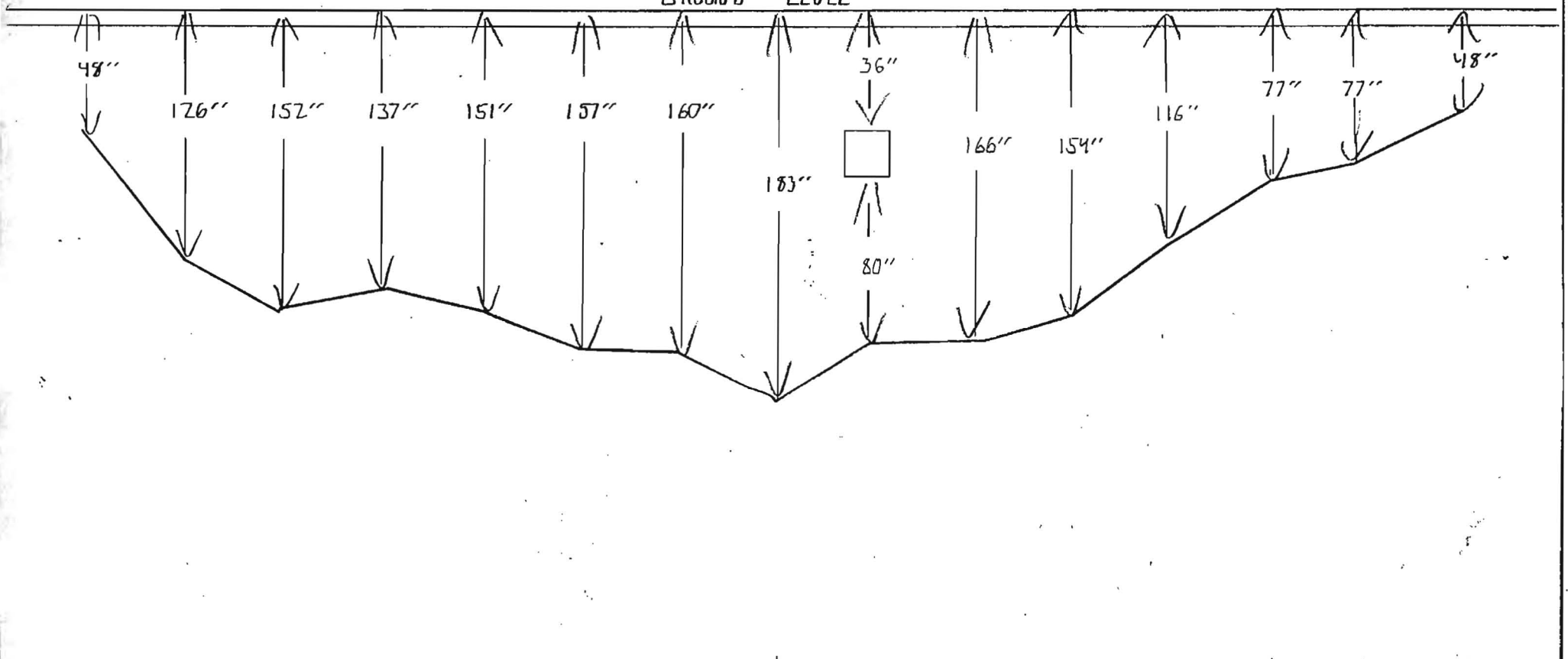
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICH

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
12-00	4875	115 - 116	

PT. ARENA ← N → SAC



205+15	205+50	206+00	206+50	207+00	207+50	208+00	208+50	208+87	209+00	209+50	210+00	210+50	211+00	211+52
BEG BORE								48" CULVERT						END BORE

NOTES:

COUNTY: SONOMA

CONTRACTOR: ABS

DUCT CONFIGURATION: (2)1.5"(1)1.25" HDPE

INSPECTOR: TODD HEIDRICK

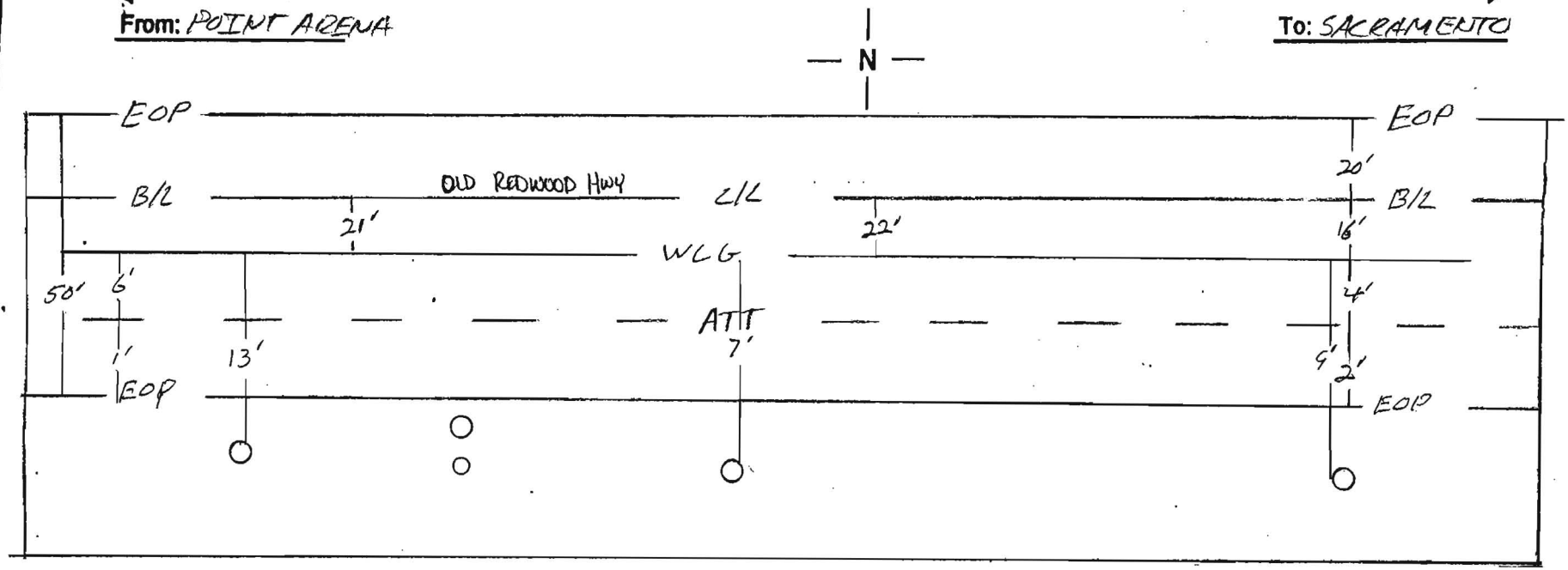
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No, 4A
AFE No, 4875
Contract No, 99P154.11

Date: 12-[illegible]00
Page No.
Drawing #:
SARC-116, 117

From: POINT ARENA

To: SACRAMENTO



BEGIN BORE 211+52 20'o/s 48"

212+00 BORE 20'o/s 129"

212+26 POLE 13'o/s

212+50 BORE 21'o/s 144"

212+56 ATT MH 5'o/s
FIBER MARKER 11'o/s

213+00 BORE 22'o/s 168"

213+50 BORE 22'o/s 180"

213+61 POLE 7'o/s

214+00 BORE 22'o/s 168"

214+50 BORE 22'o/s 171"

215+00 BORE 21'o/s 204"

215+50 BORE 19'o/s 168"

216+00 BORE 15'o/s 141"

216+05 MATERIAL ISSUE

216+04 POLE 4'o/s

END BORE 216+55 16'o/s 48"

Notes:

County: SONOMA

Contractor: TIDEWELL
SUB- ADVANCED BORING

Duct Configuration: 1-ORANGE 1 1/2"
1-BLUE 1 1/2", 1-BLACK 1 1/4"

Inspector: ERIK BALLING

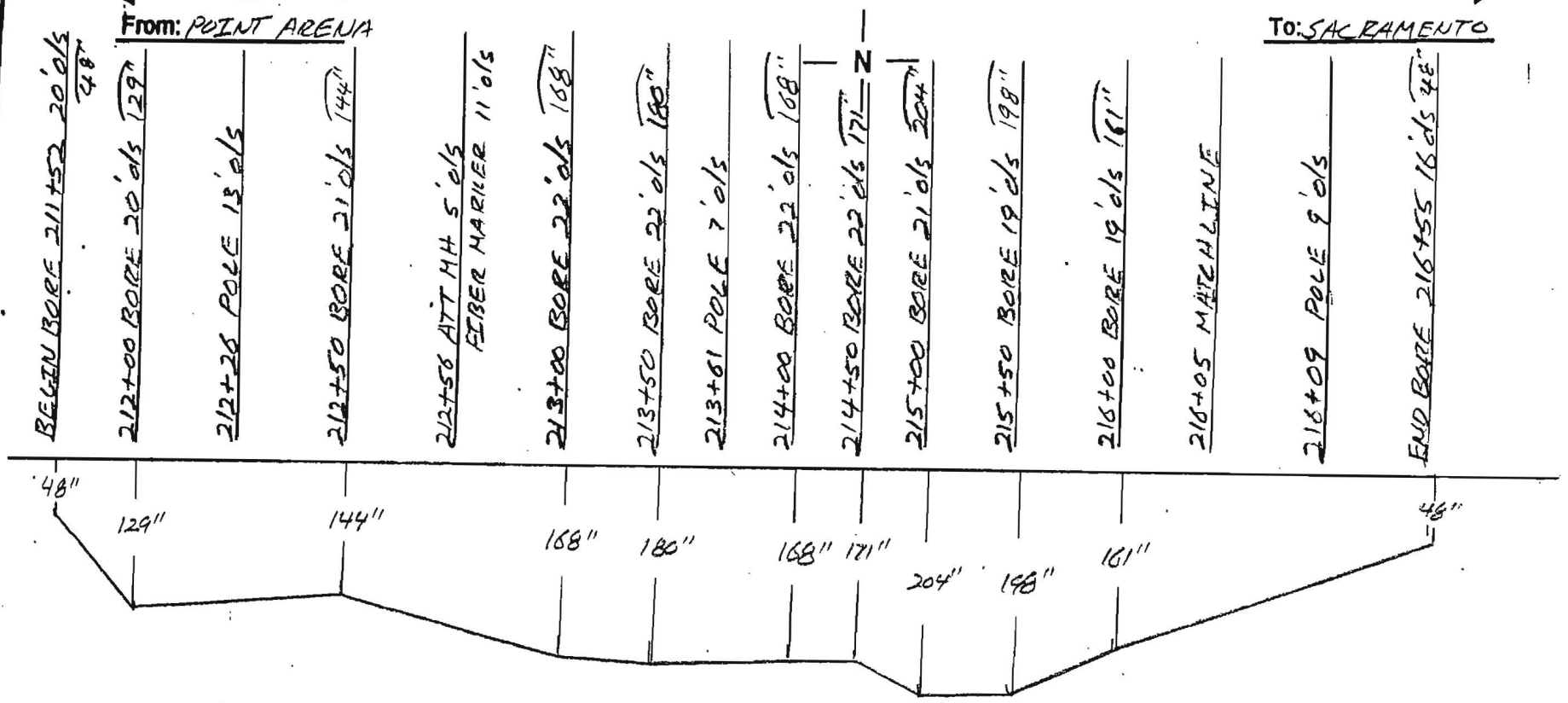
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-12-00
Page No.
Drawing #: SARL-116-117

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1½ 1-BLACK 1¼", 1-BLUE 1½"	Inspector: ERIK BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

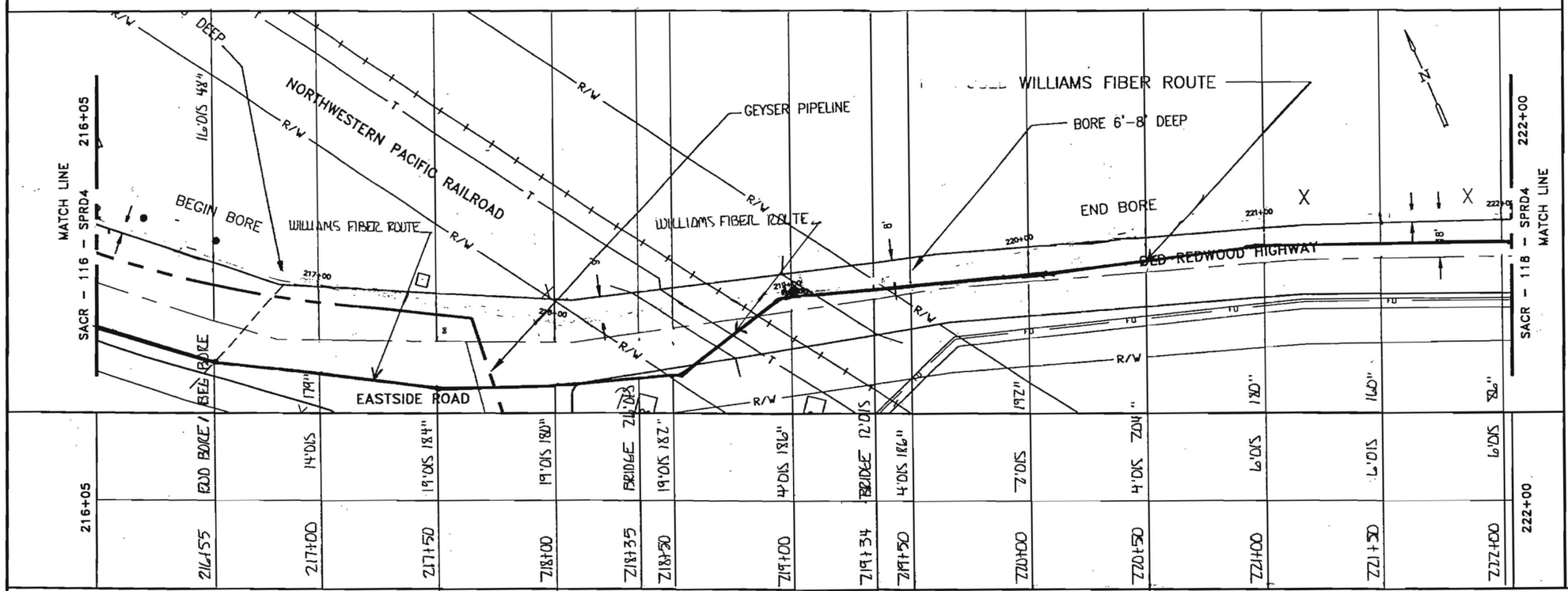
216+23 5' LT. GAS VALVE
216+54 5' LT. GAS VALVE
216+64 55' RT. CULVERT
216+85 STEEL PIPE
216+85 2' RT. CULVERT
216+88 CULVERT
217+02 54' RT. POLE
217+44 8' LT. GAS VALVE
217+66 CL EASTSIDE ROAD
217+96 11' LT. POLE
218+17 48' RT. POLE
218+26 57' RT. FIBER MARKER
218+35 9' LT. BRIDGE
218+45 OVERPASS
218+57 TELEPHONE LINE
218+74 23' RT. BRIDGE
218+77 C/L RAILROAD
218+93 74' RT. FIBER MARKER
218+98 8' LT. BRIDGE
219+08 OVERPASS
219+34 22' RT. BRIDGE
220+43 STEEL PIPE
221+86 7' LT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



216+05												216+55
216+55	217+00	217+50	218+00	218+35	218+50	219+00	219+34	219+50	220+00	220+50	221+00	221+50	222+00	222+00
END BORE	14'O/S	19'O/S 124"	19'O/S 180"	BRIDGE 24'O/S	19'O/S 182"	4'O/S 186"	BRIDGE 12'O/S	4'O/S 186"	2'O/S	4'O/S 204"	6'O/S	5'O/S	6'O/S	

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)
1-1.25" BLACK HDPE, 1-1.5" HDPE, 1-1.5" HDPE,

216+00	216+55
216+55	222+00
55'	545'
7.11	7.11
2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE
ERIK BALLING	ERIK BALLING
17.17.00	17.17.00
ABS -	ABS -
	IN BLACK 1.25" HDPE
	GGA TRACER WIRE
	ELORIA TANDE
	7901

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9059

CAUTION

- WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

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1–800–227–2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

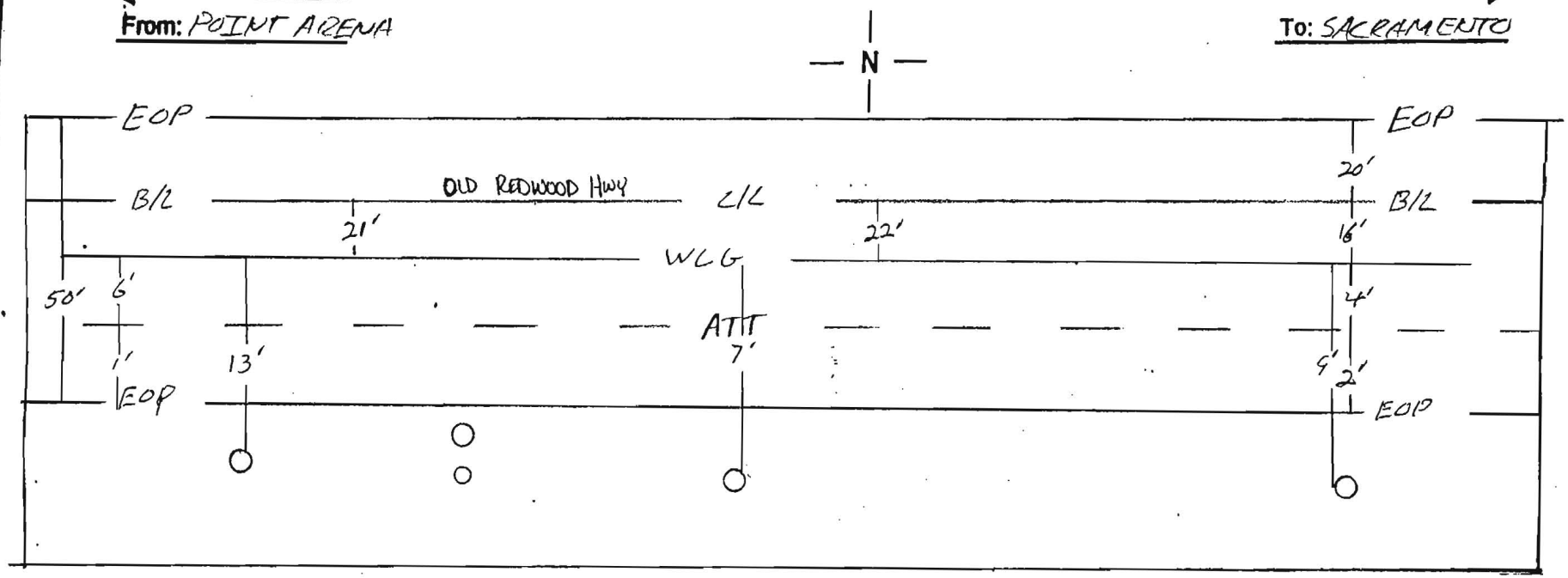
DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–117–SPRD4

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-1[illegible]-00
Page No.
Drawing #: SARC-116, 117

From: POINT ARENA
To: SACRAMENTO



BEGIN BORE 211+52 20' o/s 48"
212+00 BORE 20' o/s 129'
212+26 POLE 13' o/s
212+50 BORE 21' o/s 144"
212+56 ATT MH 5' o/s FIBER MARKER 11' o/s
213+00 BORE 22' o/s 168"
213+50 BORE 22' o/s 180"
213+61 POLE 7' o/s
214+00 BORE 22' o/s 168"
214+50 BORE 22' o/s 171"
215+00 BORE 21' o/s 204"
215+50 BORE 10' o/s 198"
216+00 BORE 15' o/s 161"
216+05 METALLINE
216+09 POLE 4' o/s
END BORE 216+55 16' o/s 48"

Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Locat. SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

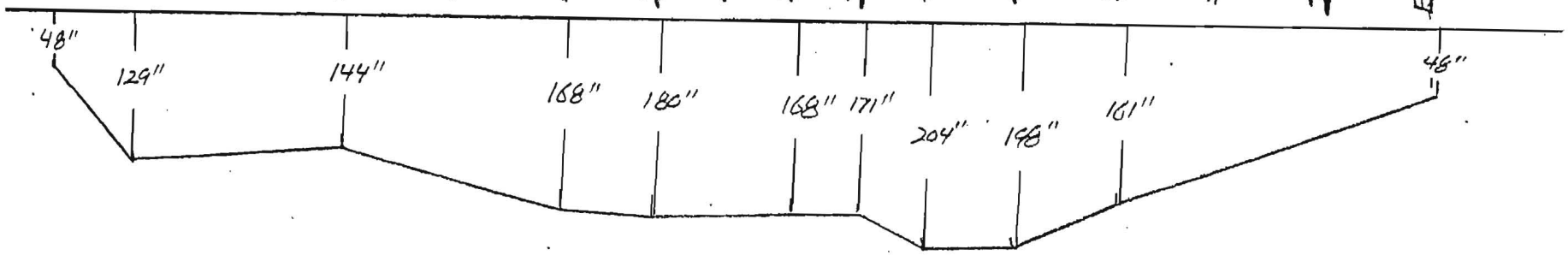
Date: 12-12-00
Page No.
Drawing #:
SARC-116-117

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 211+52 20'o/s 48"
212+00 BORE 30'o/s 129"
212+26 POLE 18'o/s
212+50 BORE 21'o/s 144"
212+56 ATT MH 5'o/s
FIBER HARNESS 11'o/s
213+00 BORE 22'o/s 168"
213+50 BORE 22'o/s 180"
213+61 POLE 7'o/s
214+00 BORE 22'o/s 168"
214+50 BORE 22'o/s 171"
215+00 BORE 21'o/s 204"
215+50 BORE 19'o/s 198"
216+00 BORE 19'o/s 161"
216+05 MAINLINE
216+09 POLE 9'o/s
END BORE 216+55 16'o/s 42"



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½" 1-BLACK 1¼", 1-BLUE 1½"

Contractor: TIDWELL SUB-ADVANCED BORING

Inspector: ERIK BALLING

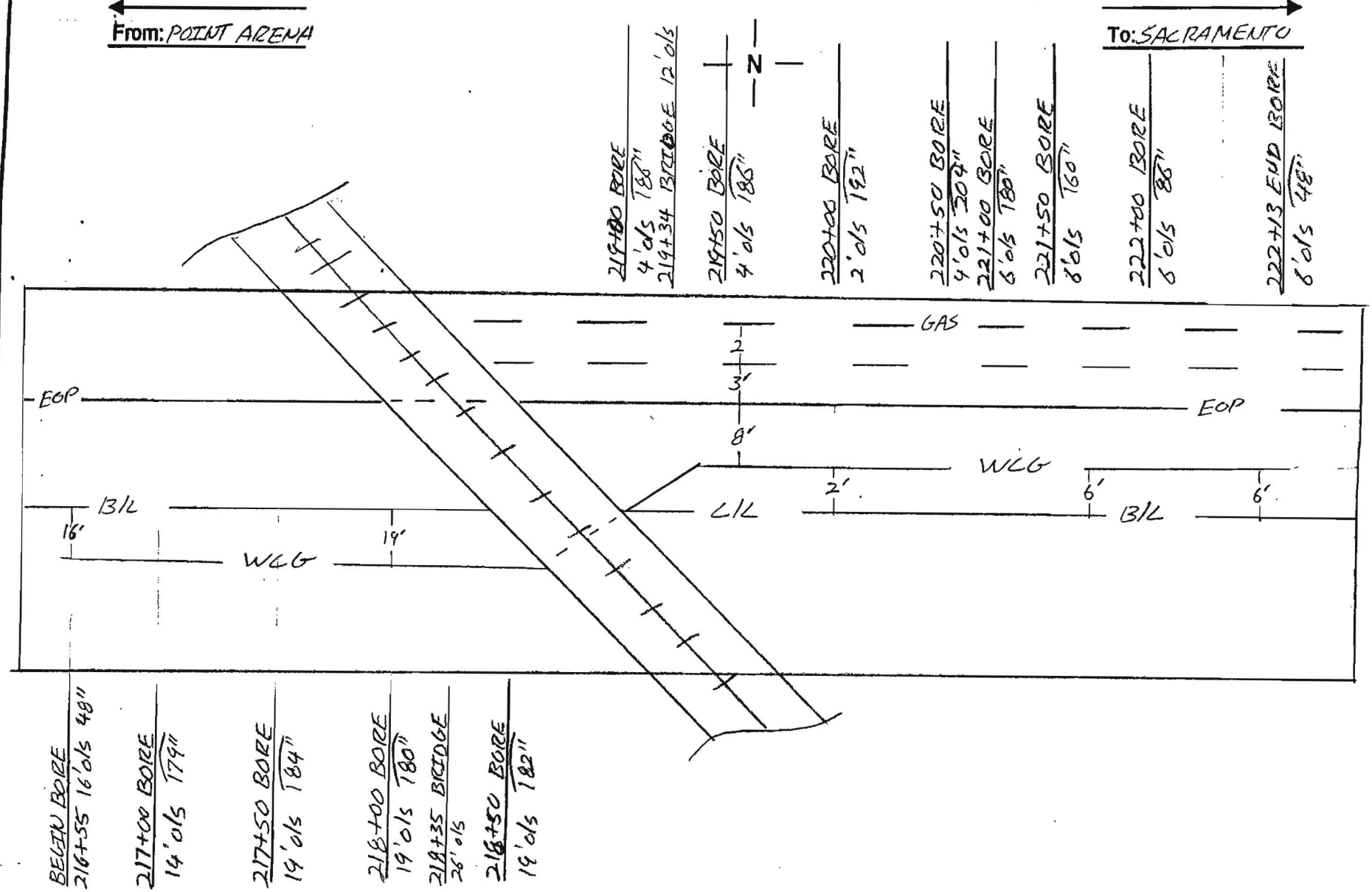
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-17-00
Page No.
Drawing #: SARL-116, 117,

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

Date: 12-[illegible]-00
Page No.
Drawing #: SARC-116, 117

From: POINT ARENA — To: SACRAMENTO

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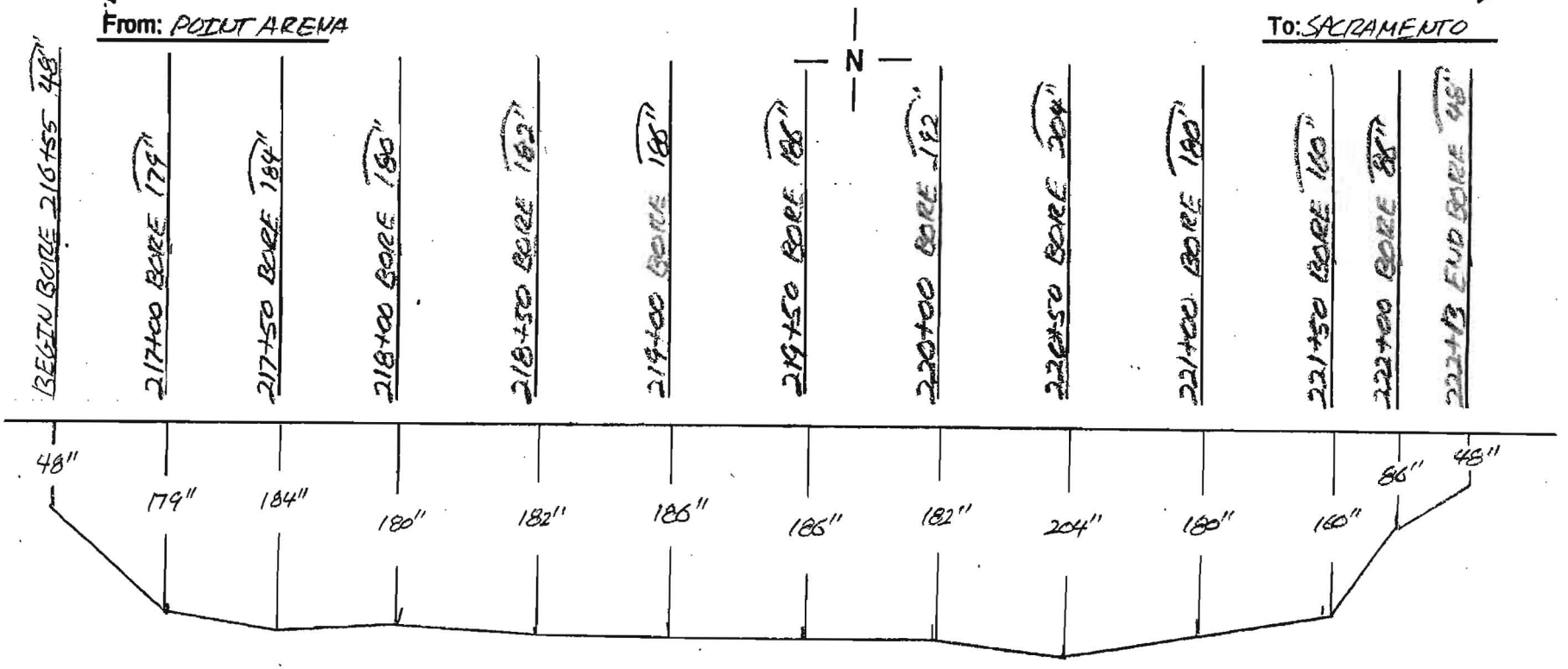


Notes:	**County:** SONOMA	**Contractor:** TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	**Inspector:** ERIK BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

222+17.5 WILL MANHOLE
ERIK BALLING 17_21.00

223+45 CL DRIVEWAY
223+53 41' RT. POLE
223+61 48' RT. LIGHT POLE

223+84 CULVERT
223+84 3' LT. STORM DRAIN
223+85 37' RT. CULVERT

224+60 CL DRIVEWAY

224+88 56' RT. FIBER MARKER

225+73 43' RT. POLE

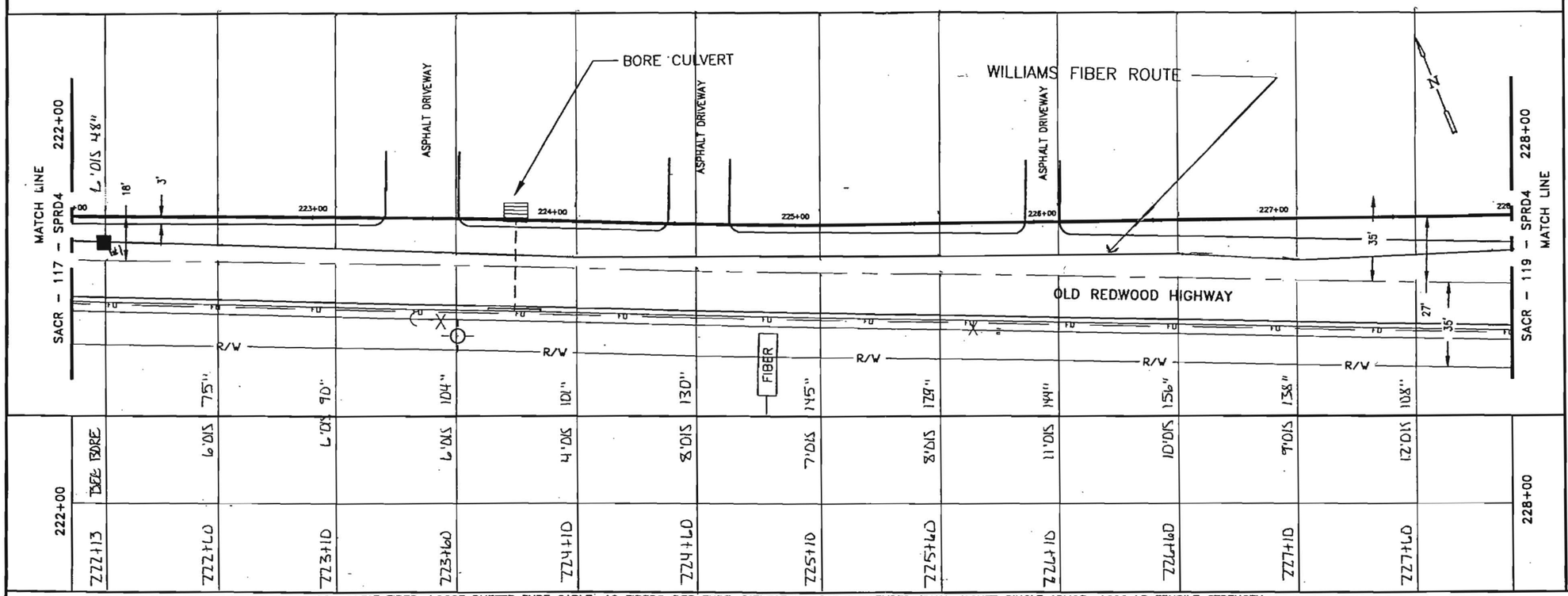
226+03 1' RT. CL DRIVEWAY

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" HDPE, 1-1.5" HDPE, 1-1.5" HDPE

222+00 222+13 13' 2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12_12.00 ABS -	222+13 229+00 587' 2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12_11.00 ABS -

IN BLACK 1.25" HDPE
65# TRACER WIRE
GLORIA TABOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
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6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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1-888-945-2255

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–118–SPRD4

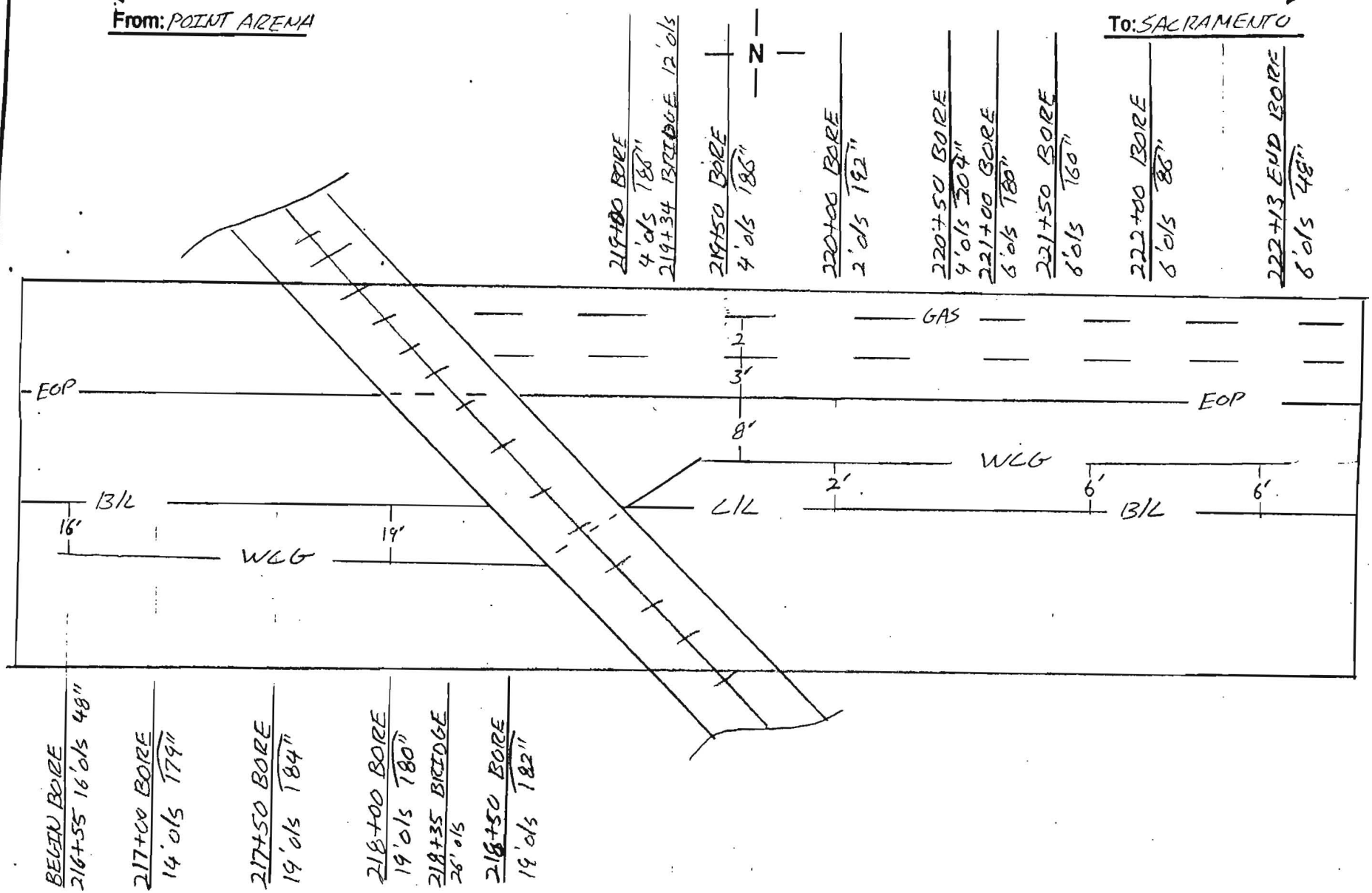
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-12-00
Page No.
Drawing #: SARC-116,117,

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"

Inspector: ERIK BALLING

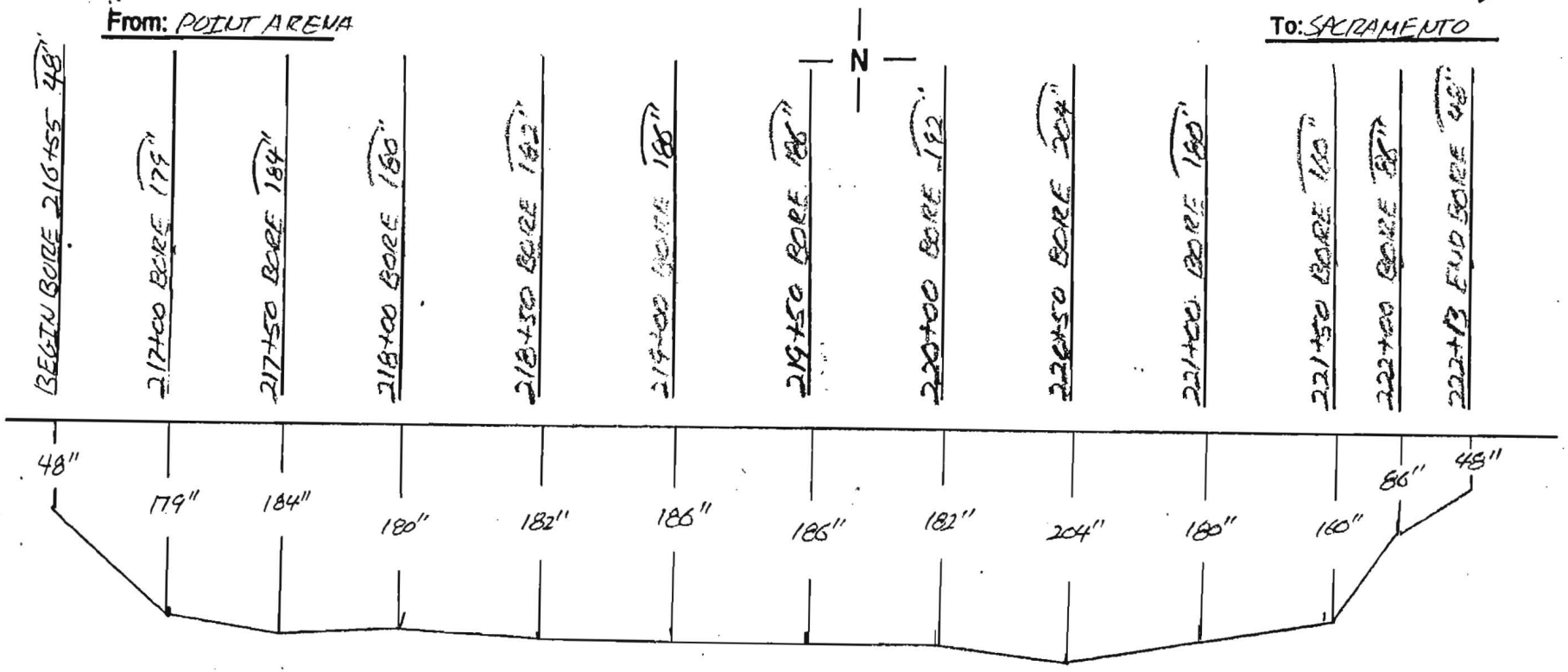
Williams Construc[illegible] As-Built Documentation

Spread Locatio[illegible] SONOMA COUNTY
Spread No, 4A
AFE No, 4875
Contract No, 99P154,11

Date: 12-12-[illegible]
Page No. [illegible]
Drawing #:
SARC-116,117

From: POINT AREVA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/2"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

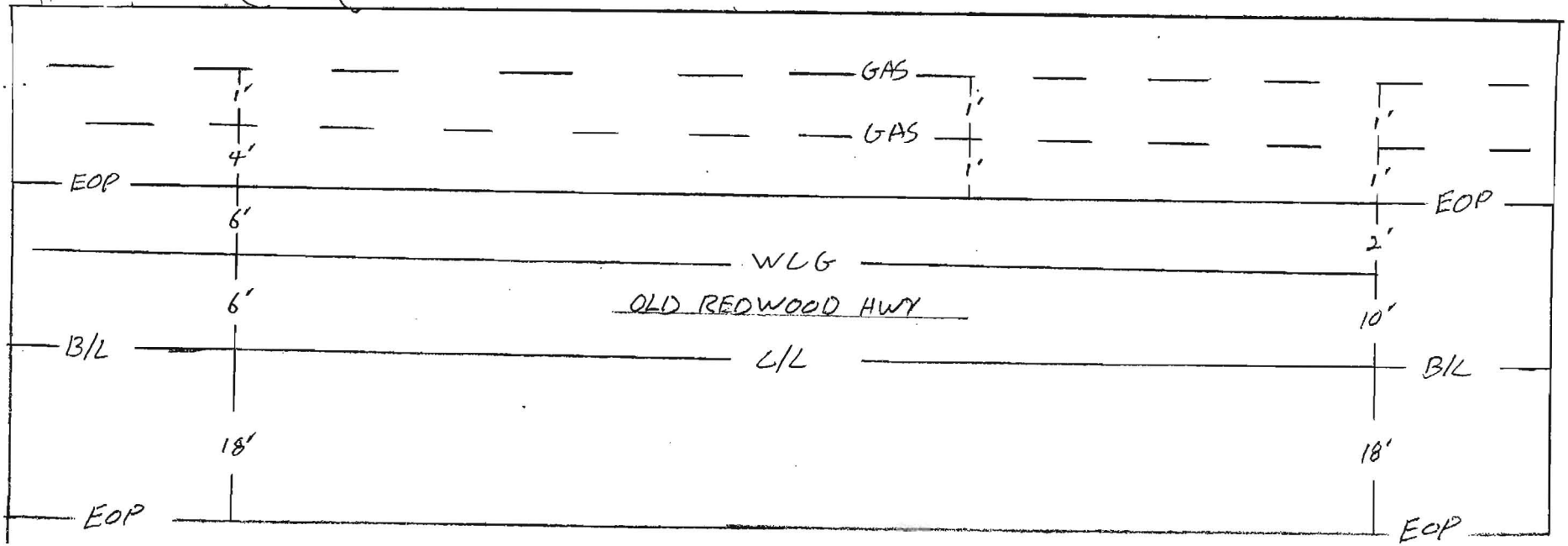
Date: 12-1-00
Page No. 1
Drawing #: SARC-118

From: POINT ARENA

To: SACRAMENTO

BEGIN BORE 222+13 6'o/s 48"
222+60 BORE 6'o/s 75"
223+10 BORE 6'o/s 80"
223+60 BORE 6'o/s 104"
224+10 BORE 4'o/s 101"
224+60 BORE 8'o/s 130"
225+10 BORE 7'o/s 145"
225+60 BORE 8'o/s 129"
226+10 BORE 11'o/s 142"
226+60 BORE 10'o/s 156"
227+10 BORE 9'o/s 136"
227+60 BORE 12'o/s 108"
END BORE 228+06 14'o/s 48"

N



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2" 1-BLACK 1 1/4"

Contractor: TIDWELL SUB-ADVANCED BORING

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Loca[redacted] SONOMA COUNTY

Spread No. 4A

AFE No. 4875

Contract No. 99P154.11

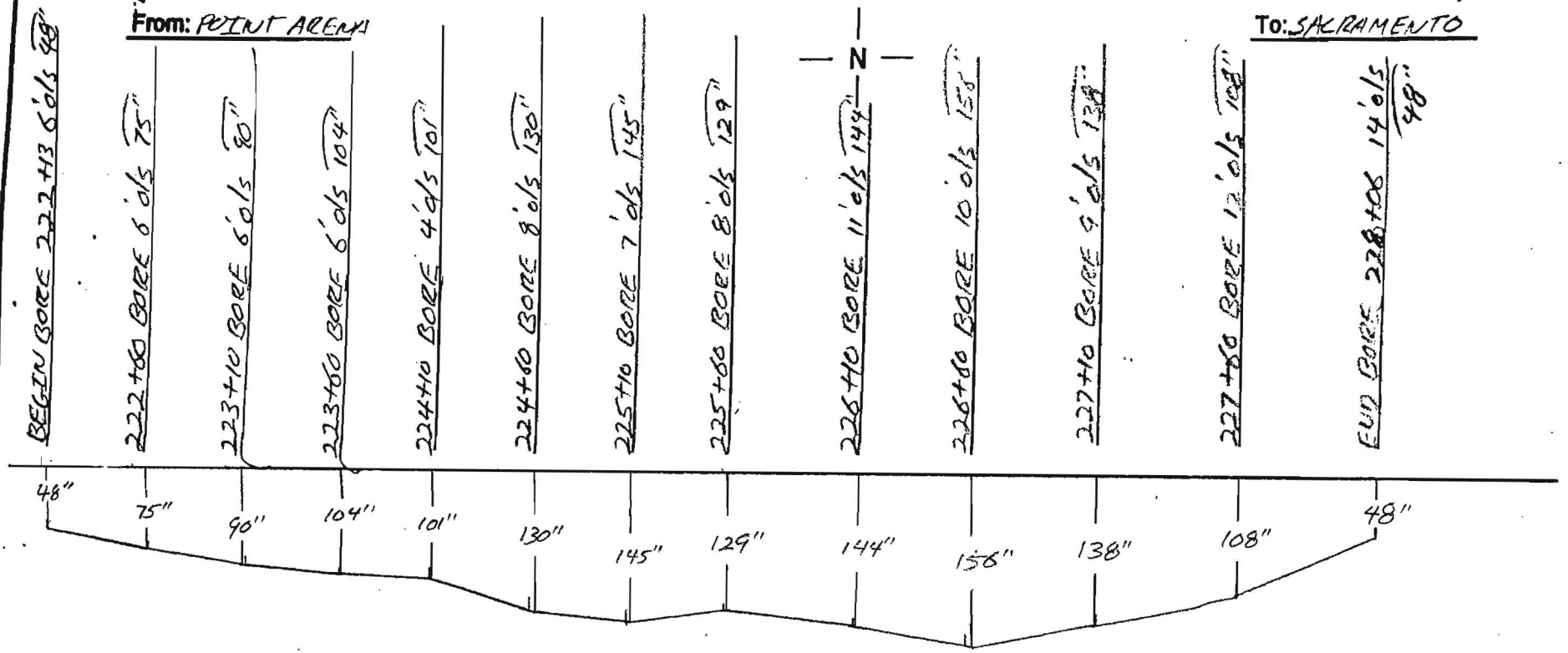
Date: 12-11-00

Page No. [redacted]

Drawing #: SARC-118

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2" 1-BLACK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP: COUNTY OF SONOMA

FIBER STATIONING

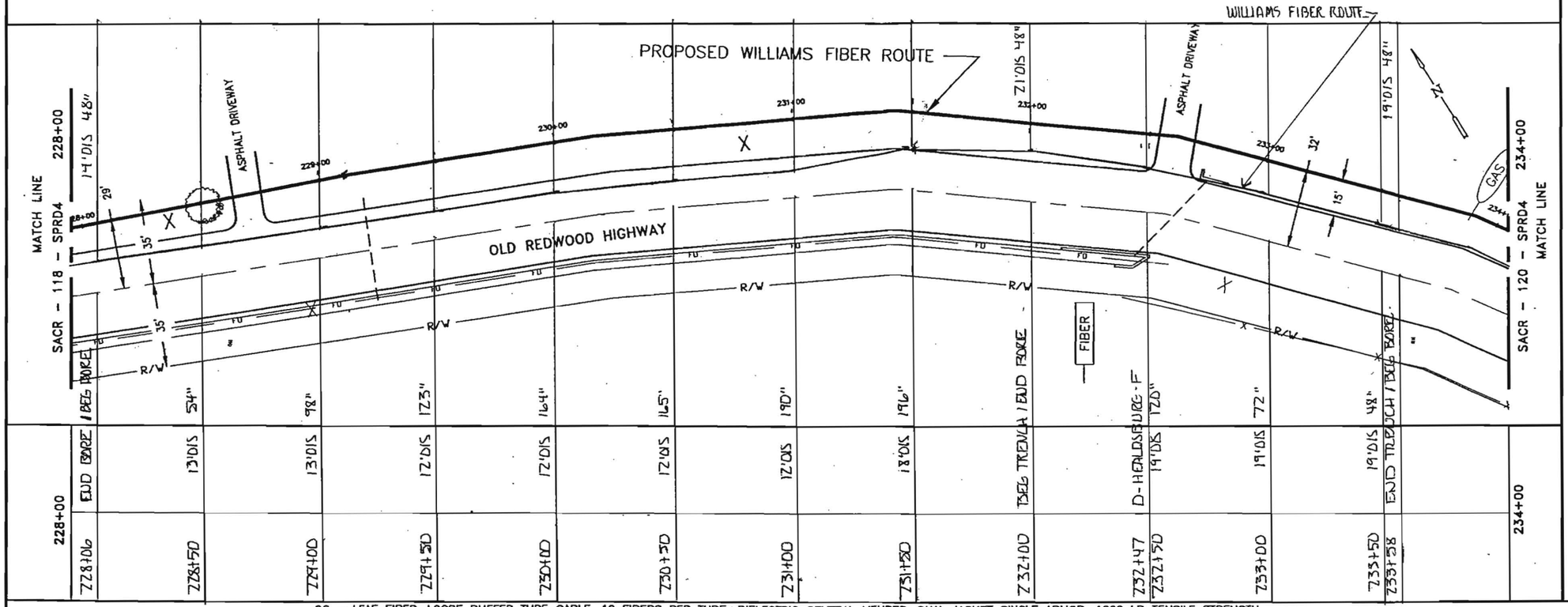
228+35 4' RT. POLE
228+68 10' RT. C/L DRIVEWAY
228+87 51' RT. POLE
229+17 10' RT. CULVERT
229+17 53' RT. CULVERT
230+78 8' RT. POLE
231+11 12' RT. PLACE MANHOLE
232+37 73' RT. FIBER MARKER
232+47 50' RT. CULVERT
232+60 13' RT. C/L DRIVEWAY
232+77 14' RT. CULVERT
232+95 54' RT. POLE
233+88 2' RT. GAS MARKER

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



228+00	EJD BORE	13'DIS	13'DIS	12'DIS	12'DIS	12'DIS	12'DIS	18'DIS	TSEG TREMLN / EJD BORE	D-HERALDSBURG-F	19'DIS	19'DIS	EJD TREBUCH / TSEG		234+00
	228+06	228+50	229+00	229+50	230+00	230+50	231+00	231+50	232+00	232+50	233+00	233+50	233+58		
		54"	98"	123"	164"	165"	190"	196"			72"	48"			

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" HDPE BLACK, 1-1.25" HDPE BLUE, 1-1.5" HDPE ORANGE

228+00	228+06		232+00	235+58
228+06	232+00		233+58	234+00
L'	394'		158'	42'
12.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12.11.00 ABS -	2.11 2-1.5" HDPE 1-1.5" HDPE ERIK BALLING 12.06.00 ABS -	IN BLACK 1.25" HDPE 6GA TRACER WIRE ELDRIA TAPE 12 79-01	2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12.11.00 ABS -	2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12.11.00 ABS -

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

Mod. 228+01 To 232+00 - 394'

394'

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OB Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-119-SPRD4

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY

Spread No. 4A

AFE No. 4875

Contract No. 99P154.11

Date: 12-11-00

Page No. 1

Drawing #: SARC-118

From: POINT ARENA

To: SACRAMENTO

BEGIN BORE 222+13 6'0/S 48"

222+60 BORE 6'0/S 75"

223+10 BORE 6'0/S 80"

223+60 BORE 6'0/S 104"

224+10 BORE 4'4/S 101"

224+60 BORE 8'0/S 130"

225+10 BORE 7'0/S 145"

225+60 BORE 8'0/S 129"

N

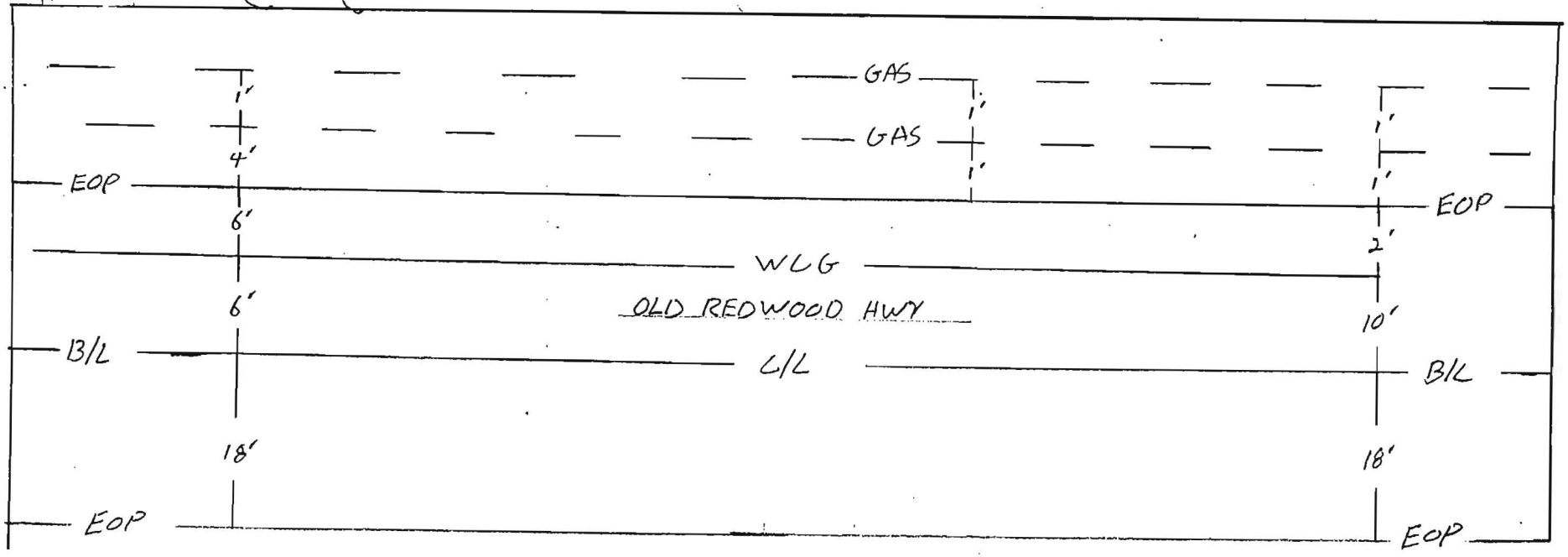
226+10 BORE 11'0/S 142"

226+60 BORE 10'0/S 135"

227+10 BORE 9'0/S 138"

227+50 BORE 13'0/S 102"

END BORE 228+06 14'0/S 48"



Notes:

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2" 1-BLANK 1 1/4"

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Local: SONOMA COUNTY

Spread No. 4A

AFE No. 4875

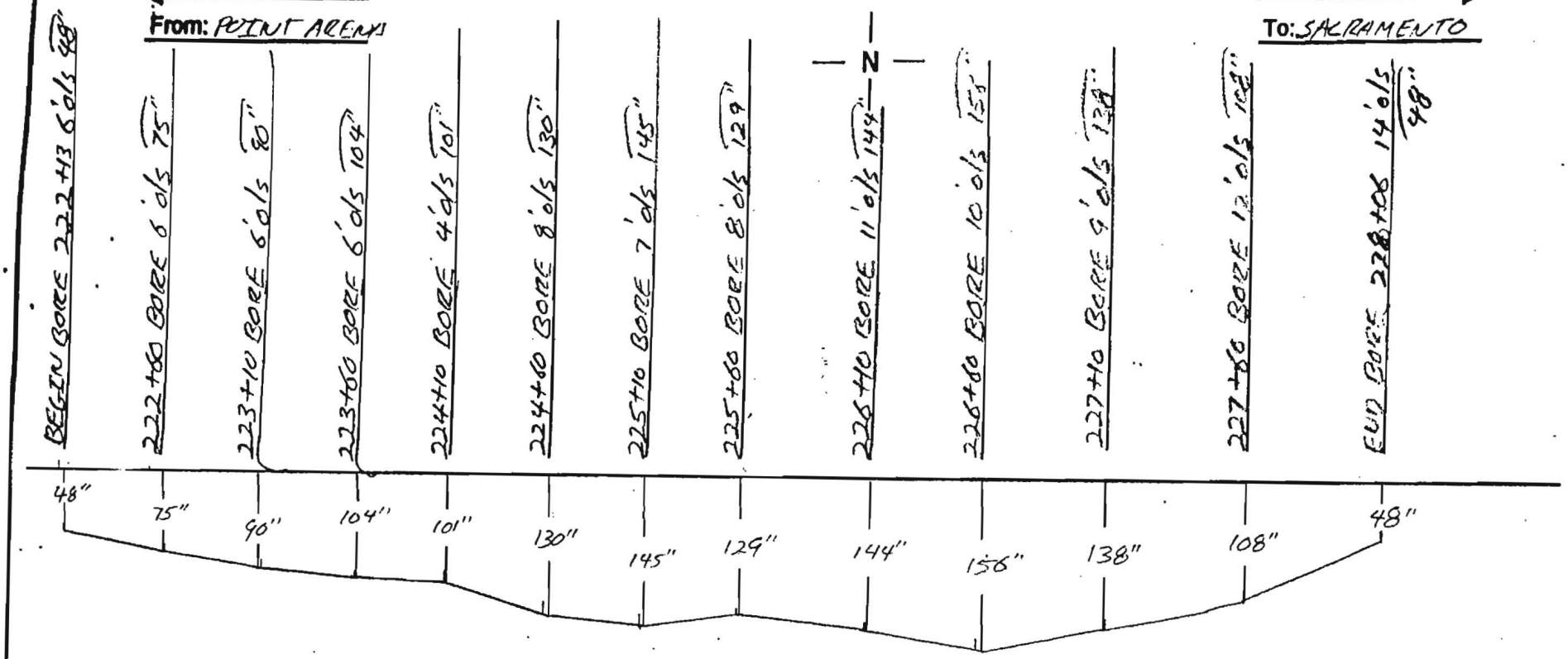
Contract No. 99P154.11

Page No.

Drawing #: SARC-118

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

Duct Configuration: 1-ORANGE 1 1/2" 1-BLACK 1 1/4"

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY

Spread No. 4A

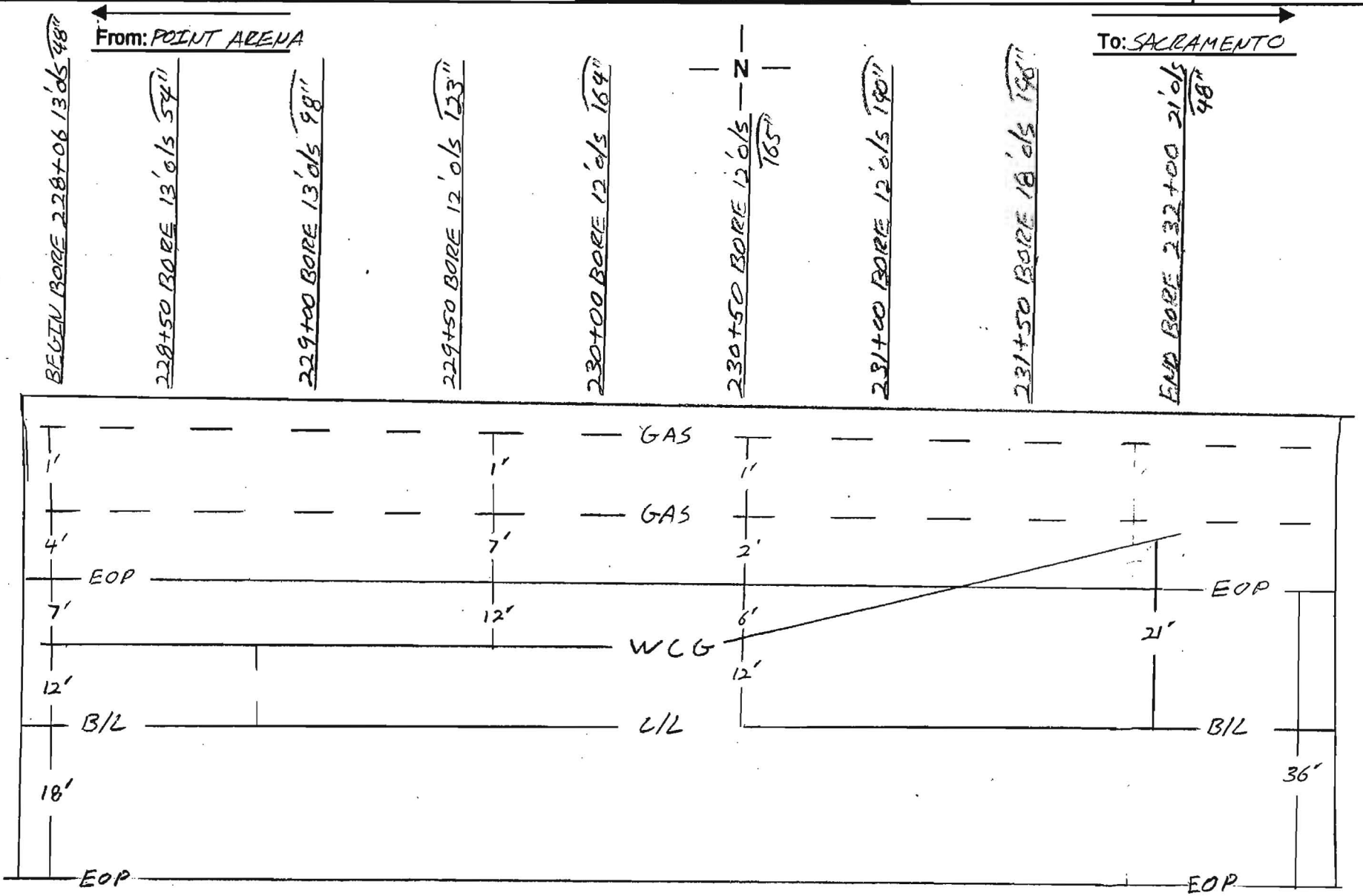
AFE No. 4875

Contract No. 99P154,11

Date: 12-[illegible]0

Page No. 1 [illegible] 2

Drawing #: SARL-119

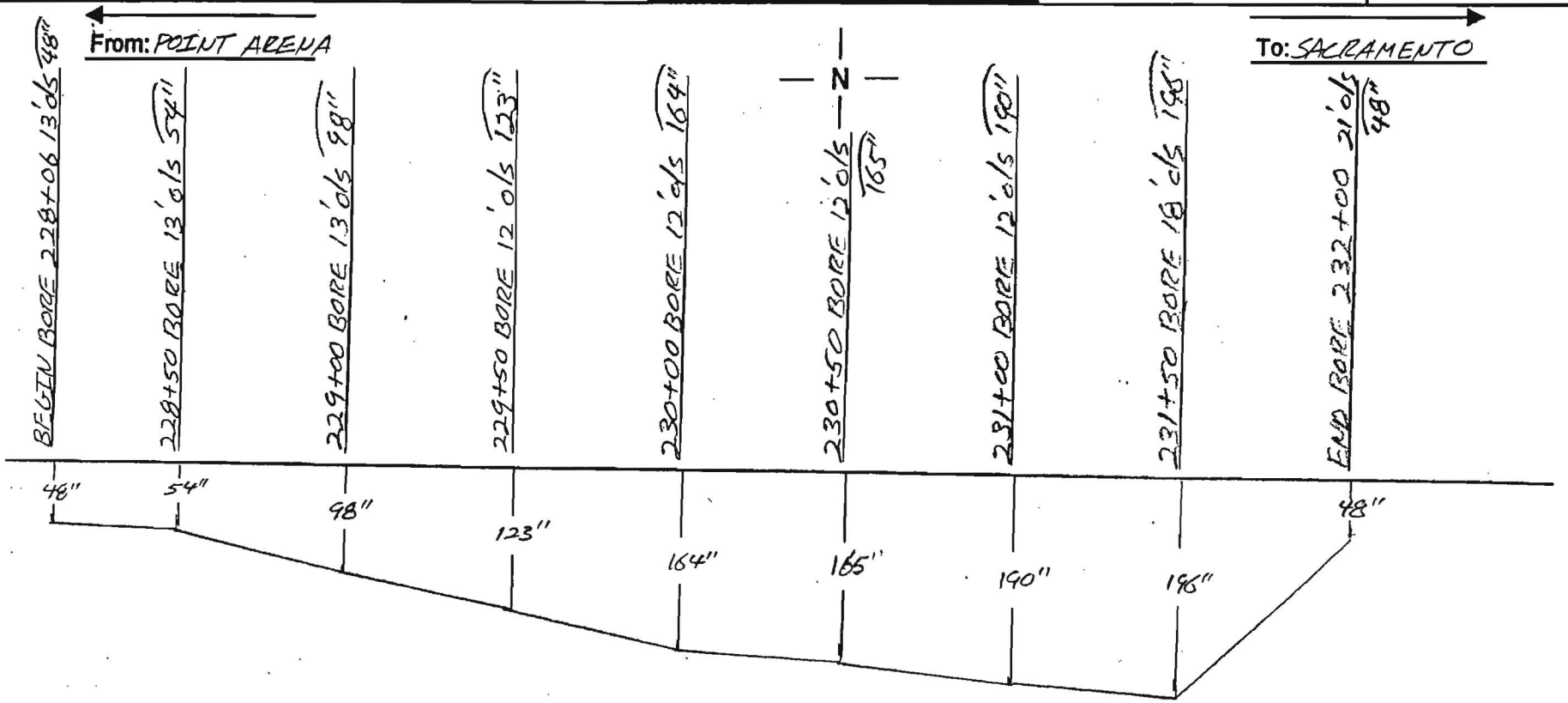


Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Loca[redacted] SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12[redacted]00
Page No. [redacted] 2
Drawing #: SARC-119



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2" 1-BLACK 1 1/2"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]0
Page No. 1 [illegible] 1
Drawing #: SARC-119

From: ← To: →

BEGIN TRENCH 232+00 21'0/S 48"

232+47 D-HILLSBURG-F

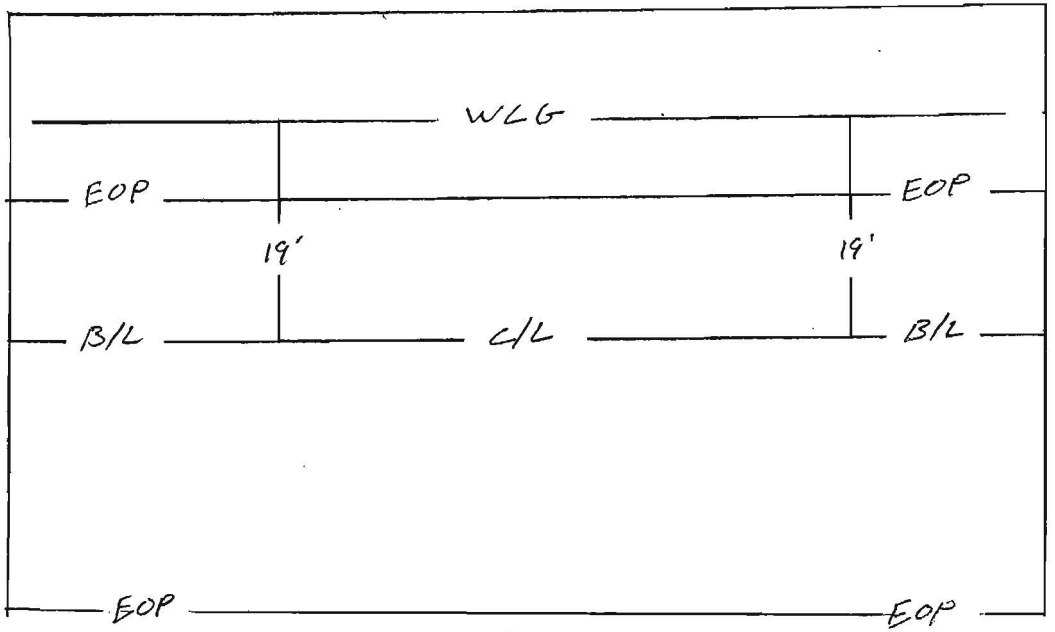
232+50 BORE 19'0/S 120"

N

233+00 TRENCH 19'0/S 72"

233+50 TRENCH 19'0/S 48"

END TRENCH 233+58 19'0/S 48"



Notes:

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BD

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location:
Spread No.
AFE No.
Contract No.

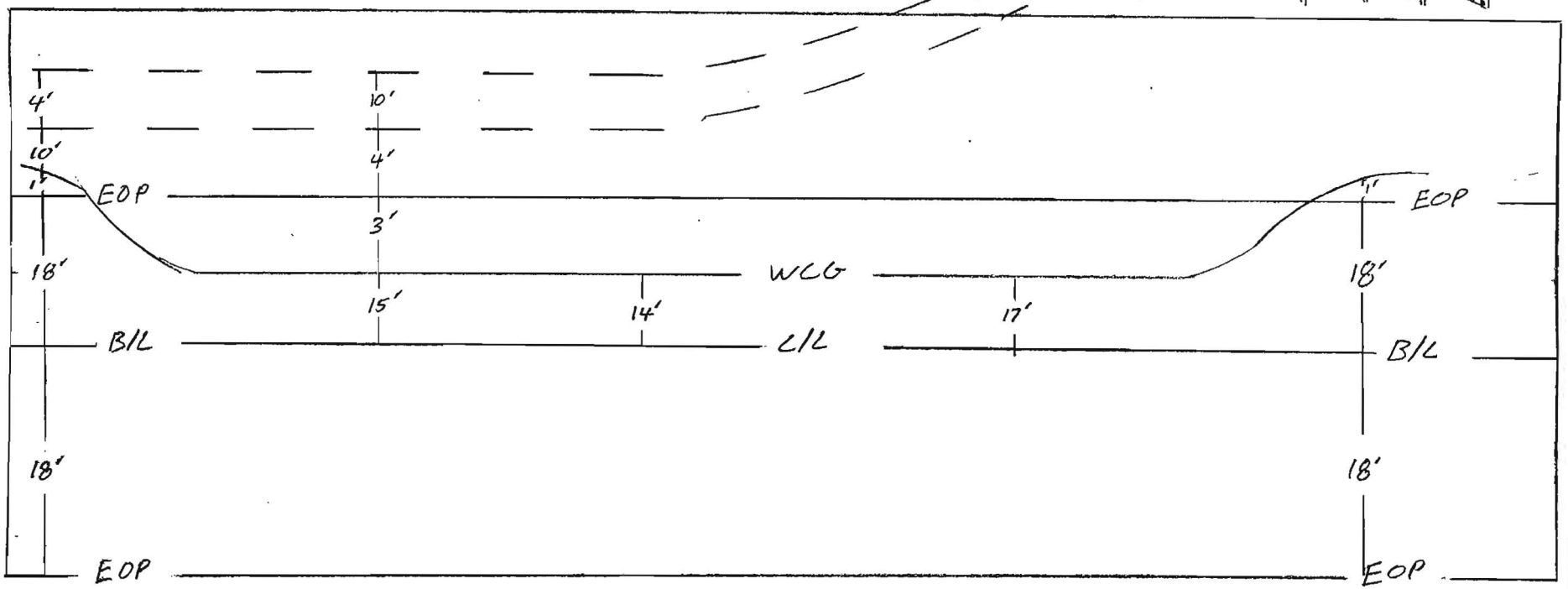
Date: 12-[illegible]0
Page No. 1 of 2
Drawing #: SARC-119, 120, 121

From: POINT AREUA

To: SACRAMENTO

N

BEGIN BORE 233+58 19 o/s 48"
233+00 MATCHLINE
234+10 BORE 17 o/s 175'
234+60 BORE 15 o/s 154'
235+10 BORE 15 o/s 158'
235+60 BORE 16 o/s 158'
236+10 BORE 14 o/s 158'
236+35 2" GAS 43'
236+60 BORE 14 o/s 145'
237+10 BORE 16 o/s 144'
237+60 BORE 11 o/s 144'
238+10 BORE 17 o/s 151'
238+60 BORE 17 o/s 155'
239+10 BORE 11 o/s 144'
239+60 BORE 17 o/s 149'
240+00 MATCHLINE
240+10 BORE 18 o/s 156'
240+60 BORE 19 o/s 120'
241+10 BORE 19 o/s 90'
END BORE 241+37 19 o/s 48"



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2"
1-BLUE 1 1/2", 1-BLACK 1 1/4"

Contractor: TIDWELL
SUB-HOURLED BORING

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Locat[redacted]

Spread No.

AFE No.

Contract No.

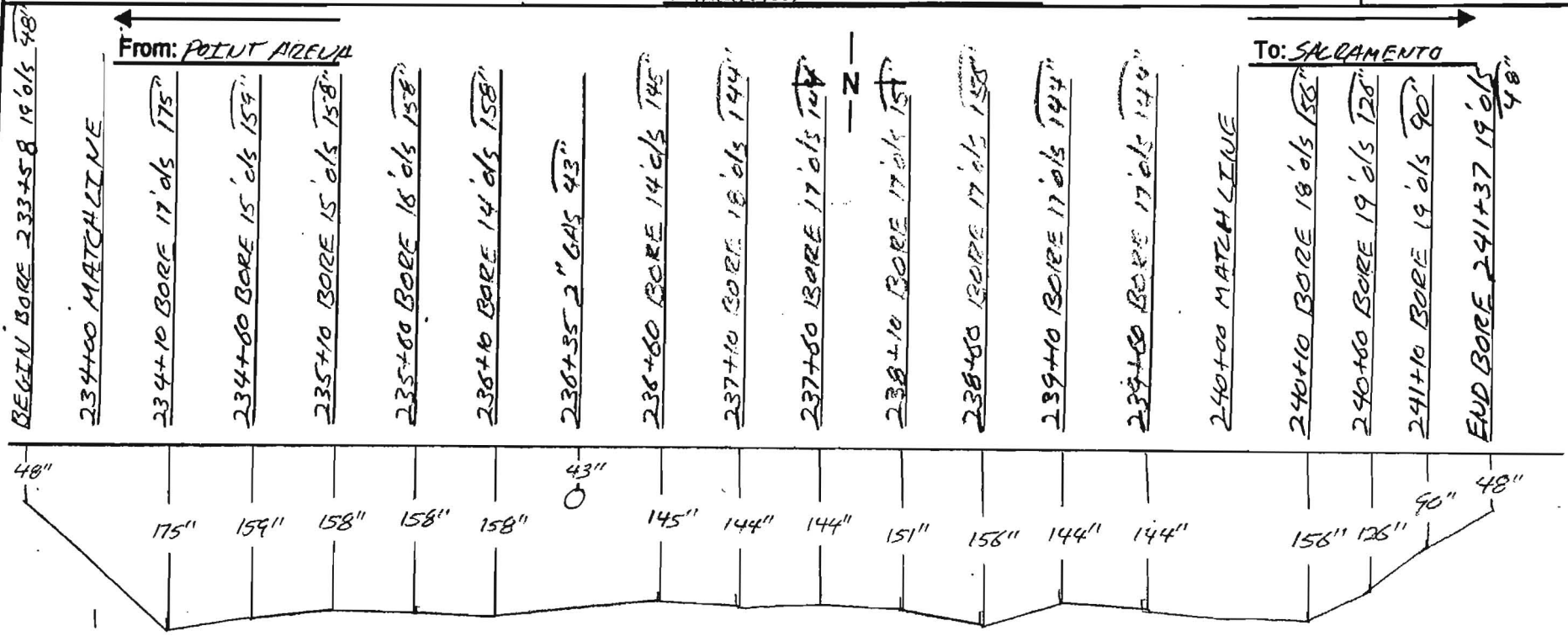
Date: 12-[redacted]-00

Page No. [redacted]2

Drawing #: SARC-119, 120, 121

From: POINT AREUA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

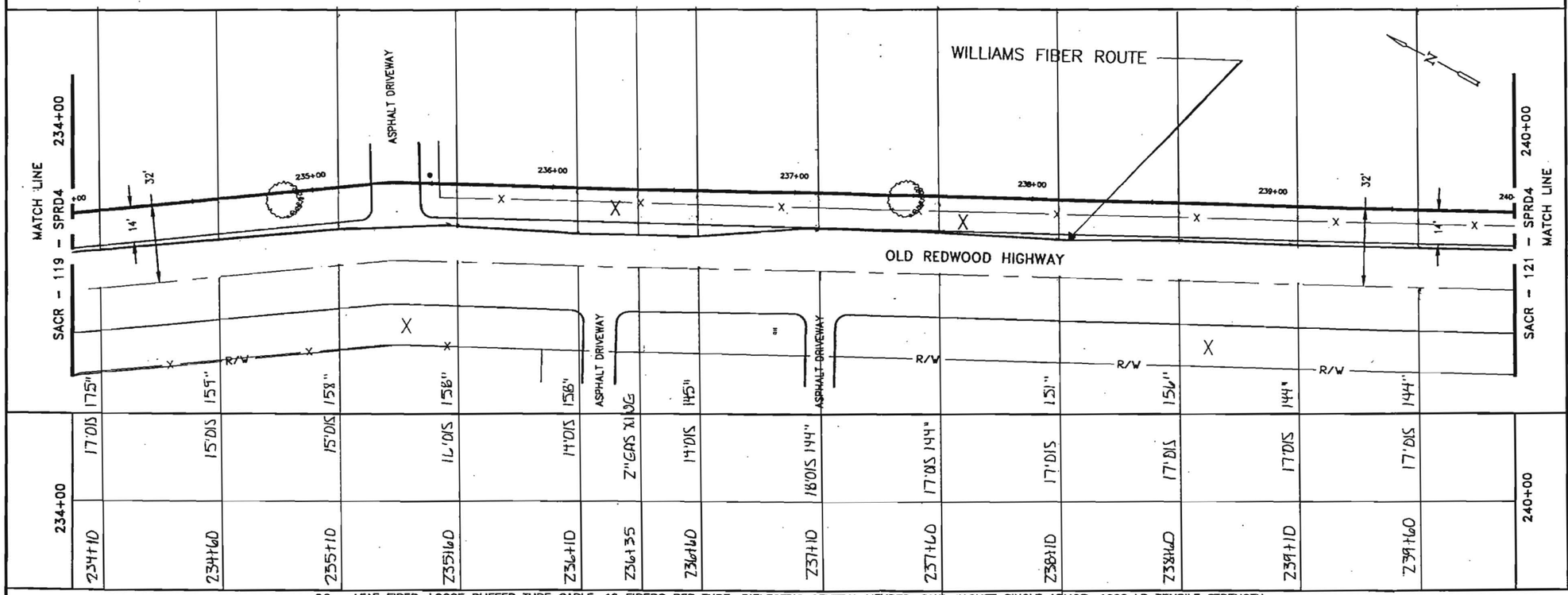
235+35 11' RT. CL DRIVEWAY
235+41 59' RT. POLE
235+48 3' LT. GAS VALVE
235+53 5' RT. FENCE
235+97 66' RT. FENCE
236+26 7' RT. POLE
237+11 31' RT. CL DRIVEWAY
237+71 10' RT. POLE
238+74 58' RT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" HDPE, 1-1.5" HDPE, 1-1.5" HDPE

234+00
240+00
6055'

2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLUG
12.11.00
ABS-

IN BLACK 1.75" HDPE
GGA TRACER WIRE
SUBA TAPE @
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-120-SPRD4

Williams Construct[illegible] As-Built Documentation

Spread Locatio[illegible]

Spread No.

AFE No.

Co[illegible]t No.

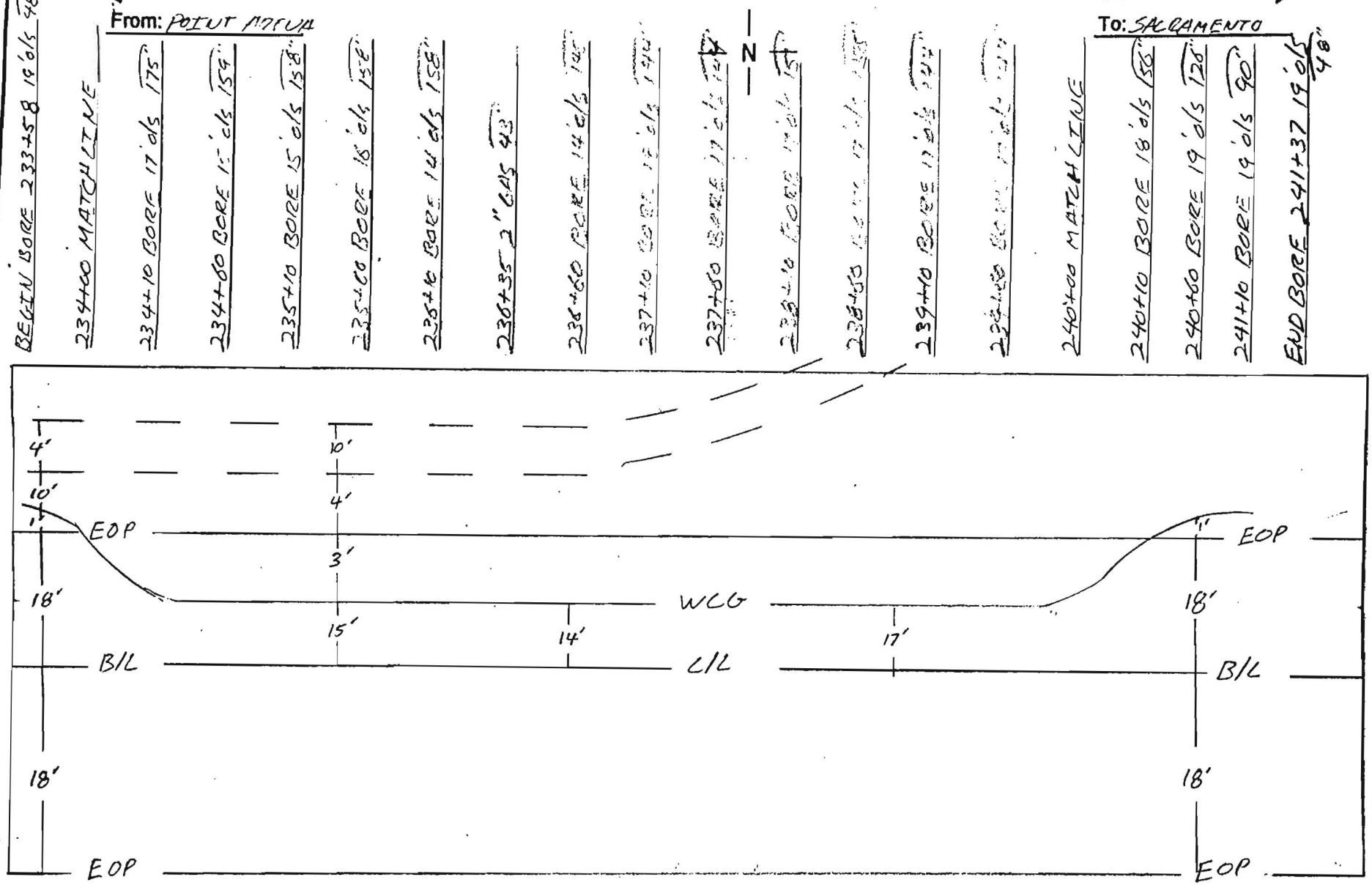
Date: 12-1 [illegible]

Page No. 1

Drawing #: SARC-119, 120, 121

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

Duct Configuration: 1 ORANGE 1 1/2" 1 BLUE 1 1/2", 1 BLACK 1 1/4"

Inspector: ERIK BALLING

Williams Construc[illegible] As-Built Documentation

Spread Locati[illegible]

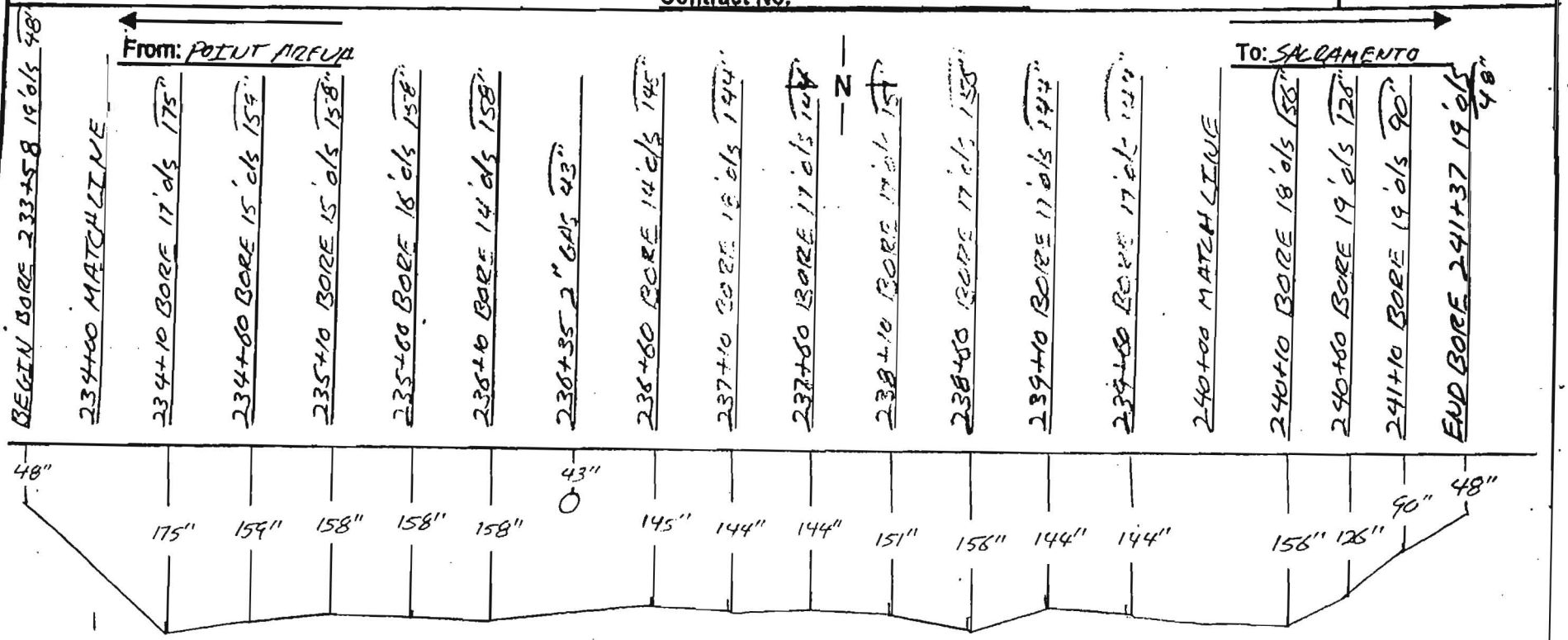
Spread No.

AFE No.

Contract No.

Page No. [illegible]

Drawing #: SARC-119, 120, 121



Notes:	County: SONOMA	Contractor: TIDWELL SUB-HOUARED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

240+30 9' RT. POLE

241+45 69' RT. FIBER MARKER #1 24"HDD MAINLINE 36" DEEP ERIK BALLIVE 17-21-00

241+99 60' RT. POLE #2 24"HDD MAINLINE 36"DEEP ERIK BALLIVE 17-21-00

242+86 8' RT. POLE

242+95 56' RT. CULVERT
242+96 7' RT. CULVERT
242+98 10' RT. CULVERT
243+00 5' RT. FENCE

243+16 10' RT. CL DRIVEWAY

243+60 57' RT. CULVERT
243+61 7' RT. CULVERT
243+61 10' RT. CULVERT

244+46 POLE

244+86 31' RT. CL DRIVEWAY

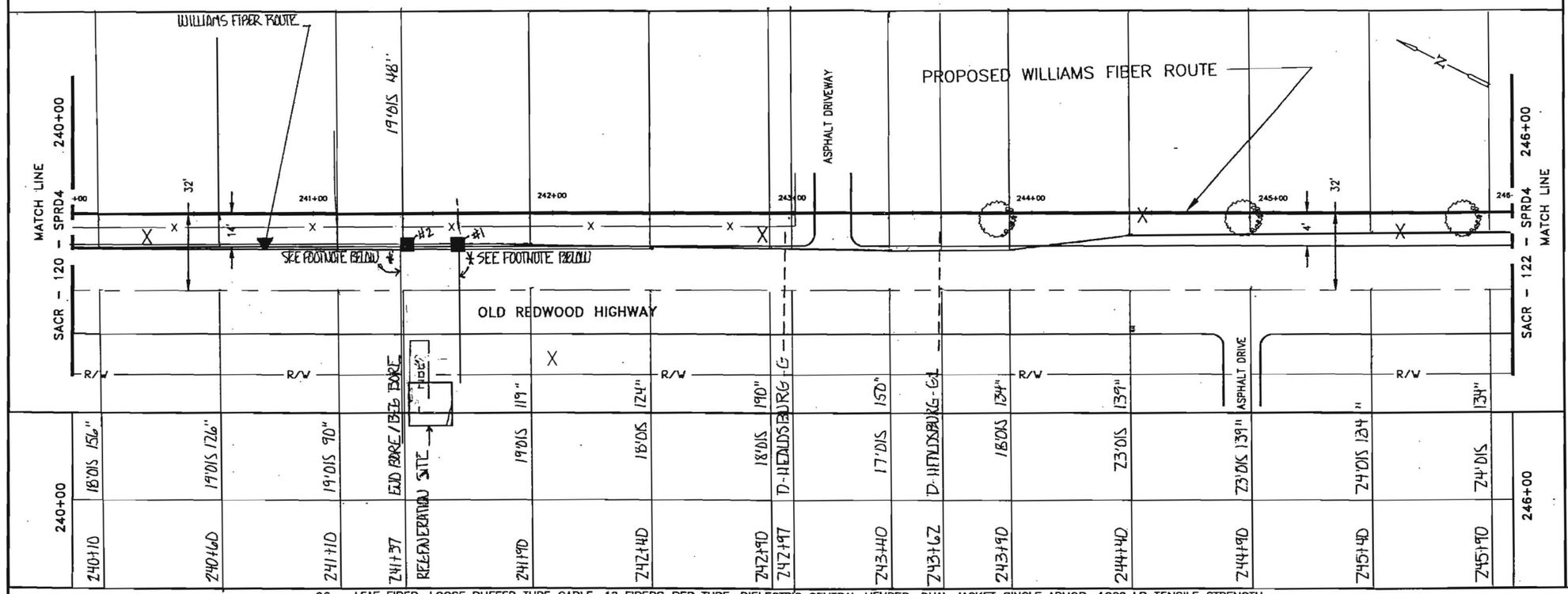
245+53 7' RT. POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" BLACK, 1-1.5" BLUE, 1-1.5" ORANGE

240+00 241+37 137'	241+37 246+00 463'
2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLIVE 12-11-00 ABS-	2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLIVE 12-11-00 ABS-
	IN BLACK 1.25" HDPE 6SA TRACER WIRE GLOBAL TAPE OR 7-9-01

* WERE FROM R/L TO REGENERATION SITE @ 241+35 & 241+60. BOTH WERE 65' FROM R/L TO REGENERATION SITE. ERIK BALLIVE 12-11-00.

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
4. STREET CROSSINGS WILL BE BORED.
5. NO EXCAVATION WITHIN FILL SLOPES OF ROAD SECTION.
6. EXACT LOCATION OF BORE PITS TO BE ADJUSTED TO AVOID EXISTING UTILITIES AS LOCATED BY USA AND POTHOLING.
7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line end/or White Line
- Regen Site
- P.D.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-121-SPRD4

Williams

Williams Construct[illegible] As-Built Documentation

Spread Location [illegible]

Spread No.

AFE No.

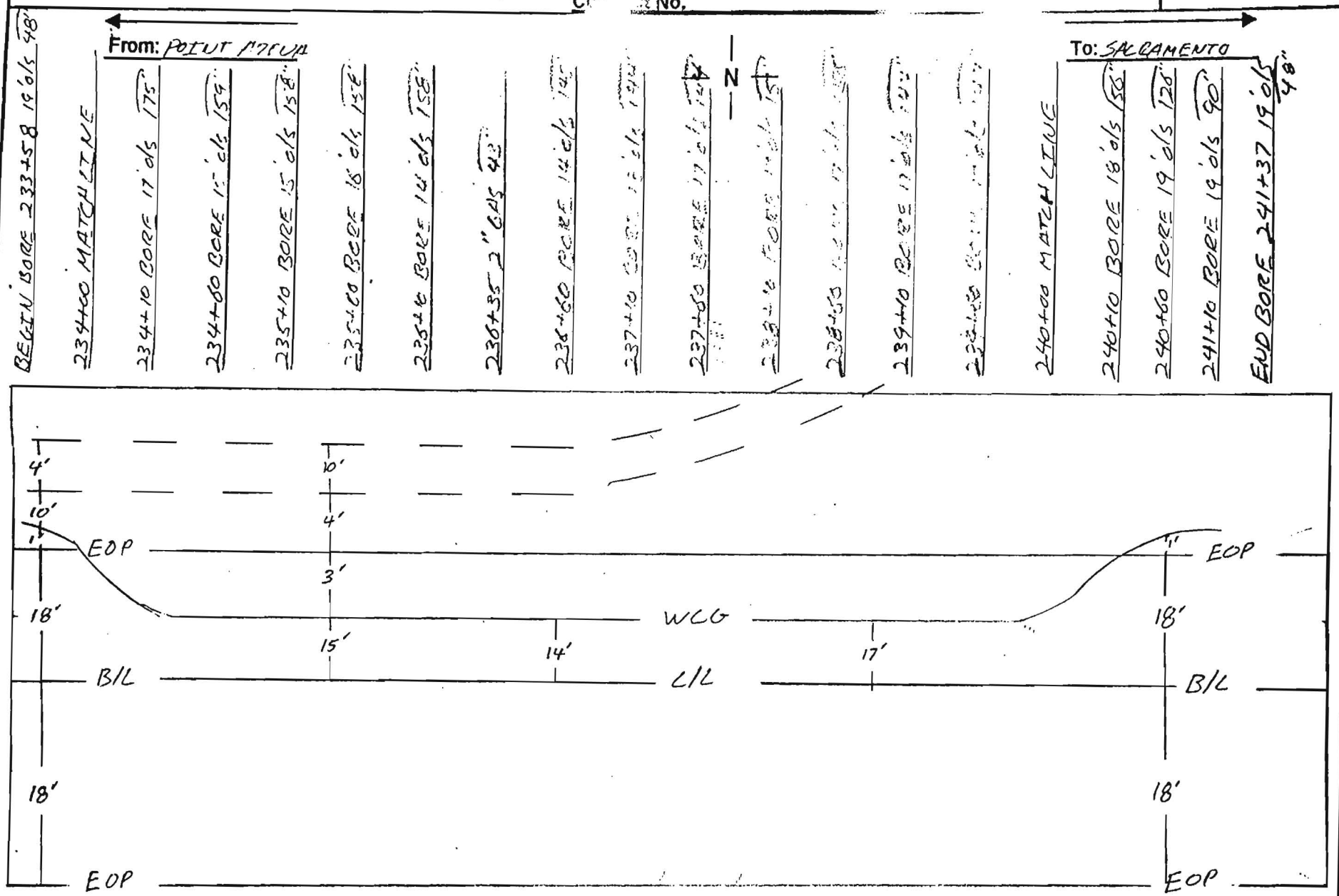
Co[illegible] No.

Page No. 1

Drawing #: SARL-119, 120, 121

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1 ORANGE 1½" 1 BLUE 1½", 1 BLACK 1¼"	Inspector: ERIK BALLING

Williams

Williams Construc[illegible] As-Built Documen[illegible]

Spread Locati[illegible]

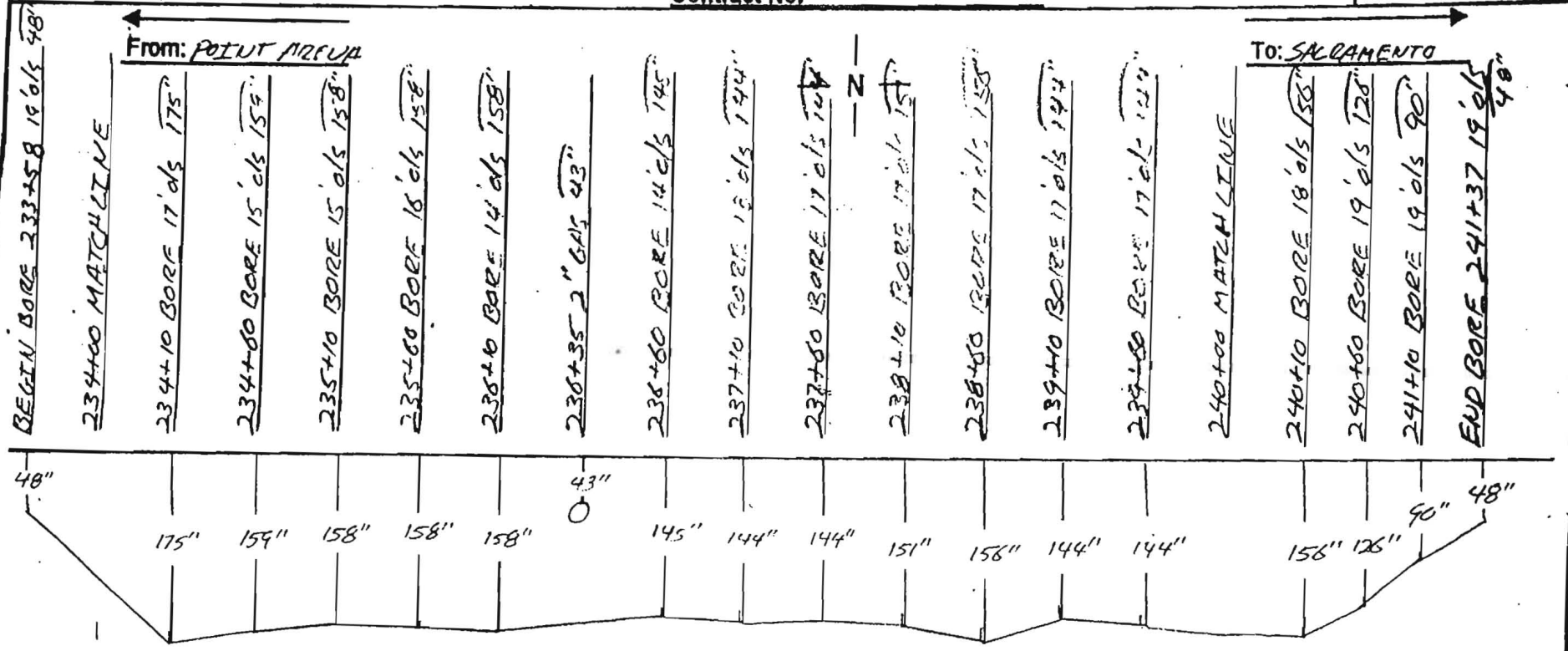
Spread No.

AFE No.

Contract No.

Page No. [illegible]

Drawing #: SARC-119, 120, 121



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

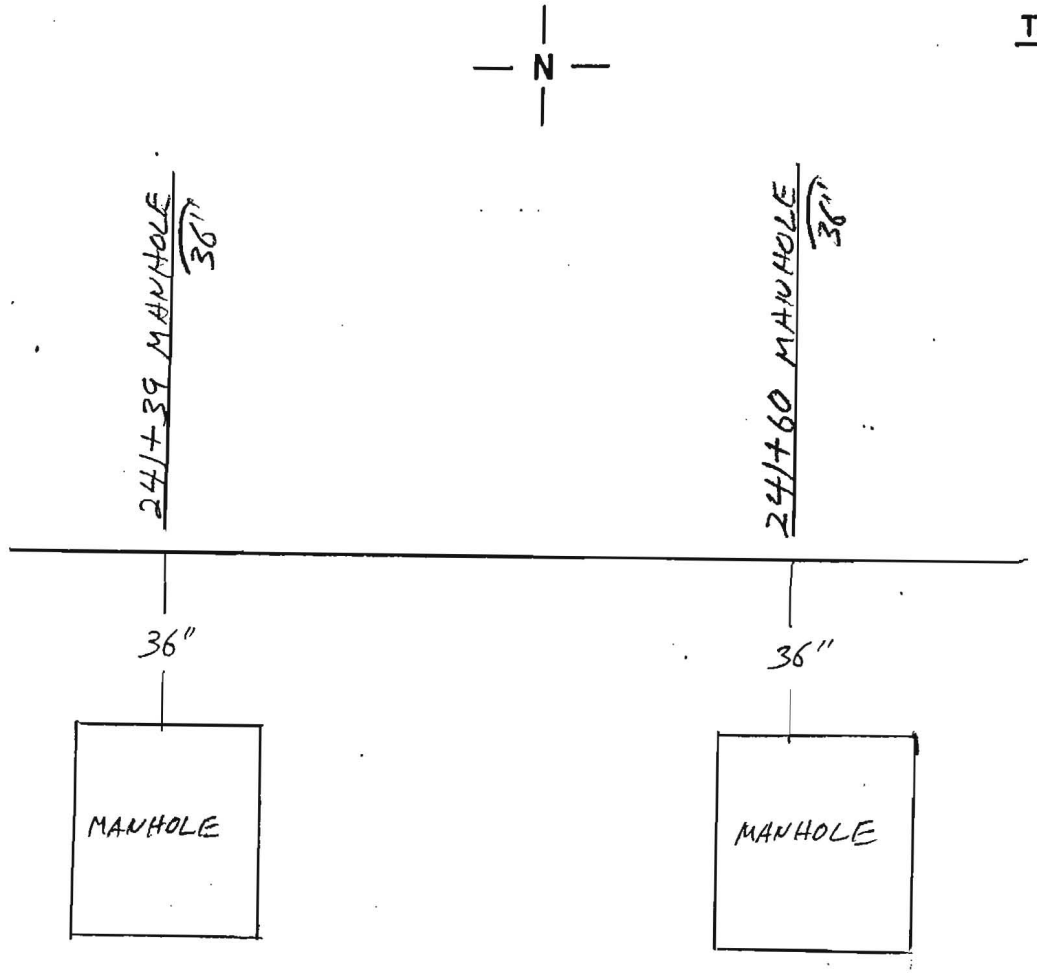
Williams Construction As-Built Documentation

Spread Loc. [redacted] SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-21-00
Page No. [redacted] 1
Drawing #: SARC-

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½ 1-BLUE 1½, 1-BLACK 1¼

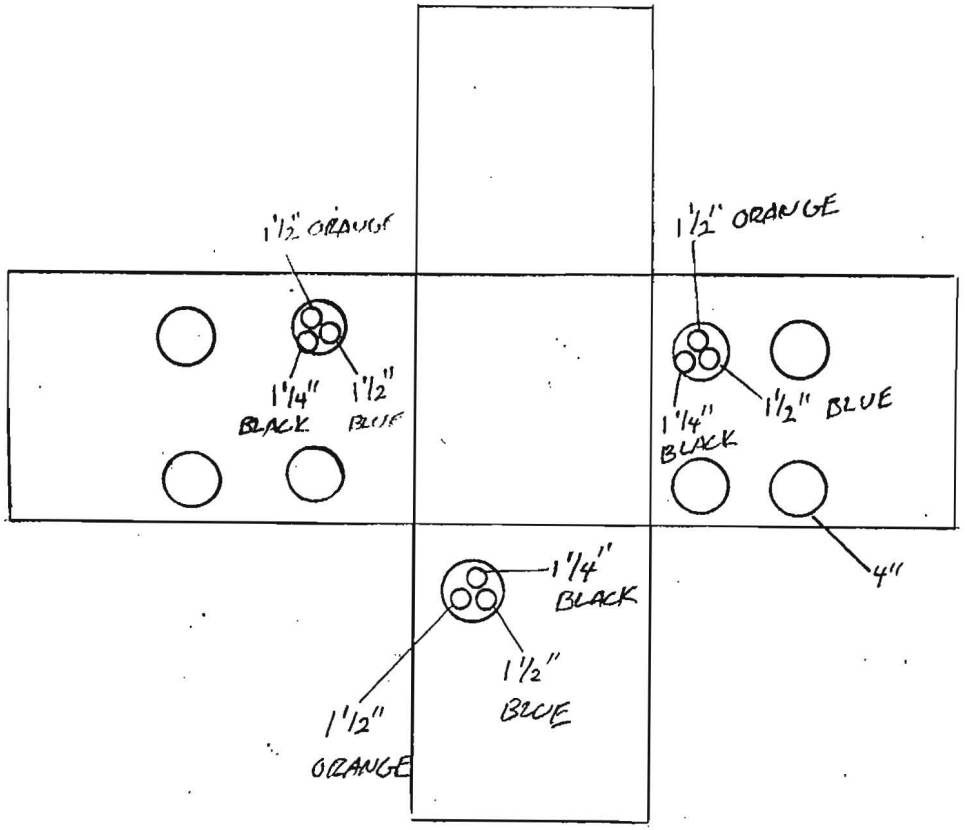
Contractor: TIDWELL SUB-ADVANCED BORING

Inspector: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET OF	SCALE:
2-21-00	4875		4A

POINT ARENA ← N → SACRAMENTO



241+39

NOTES:	COUNTY: SONOMA	CONTRACTOR: TIDWELL
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

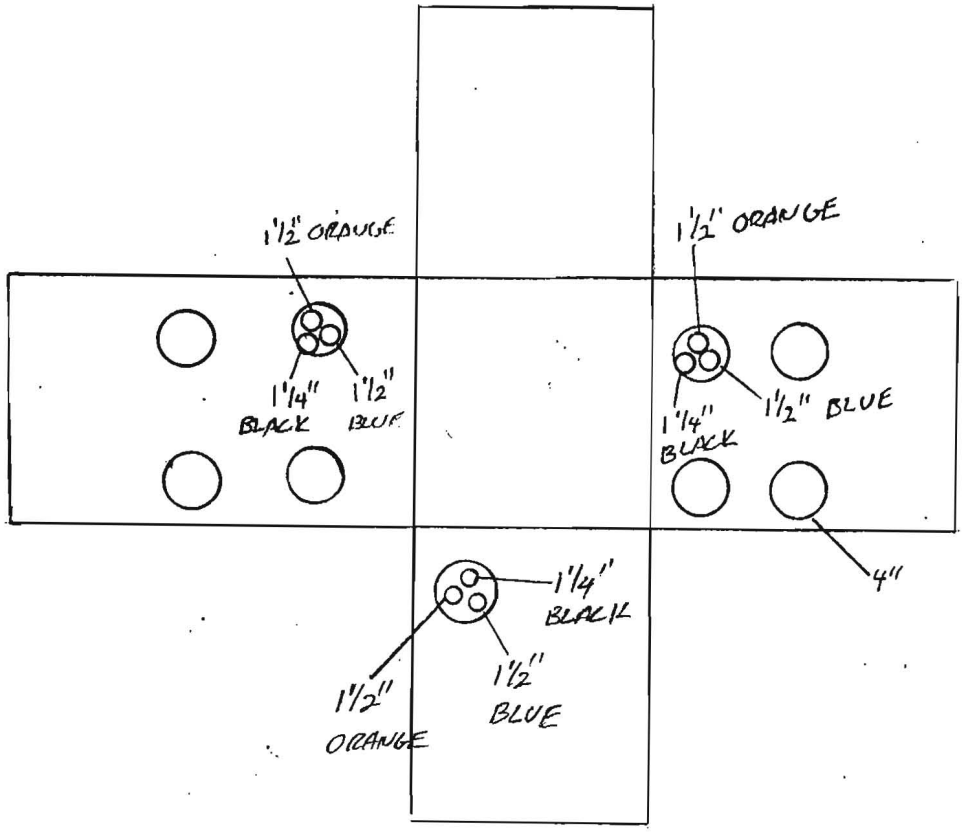
Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SHEET #
12-21-00	4875	SARC-121	NA

POINT ARENA ◄

► SACRAMENTO

N



241+60

NOTES:	COUNTY: SONOMA	CONTRACTOR: TIDWELL
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

Williams Construction As-Built Documentation

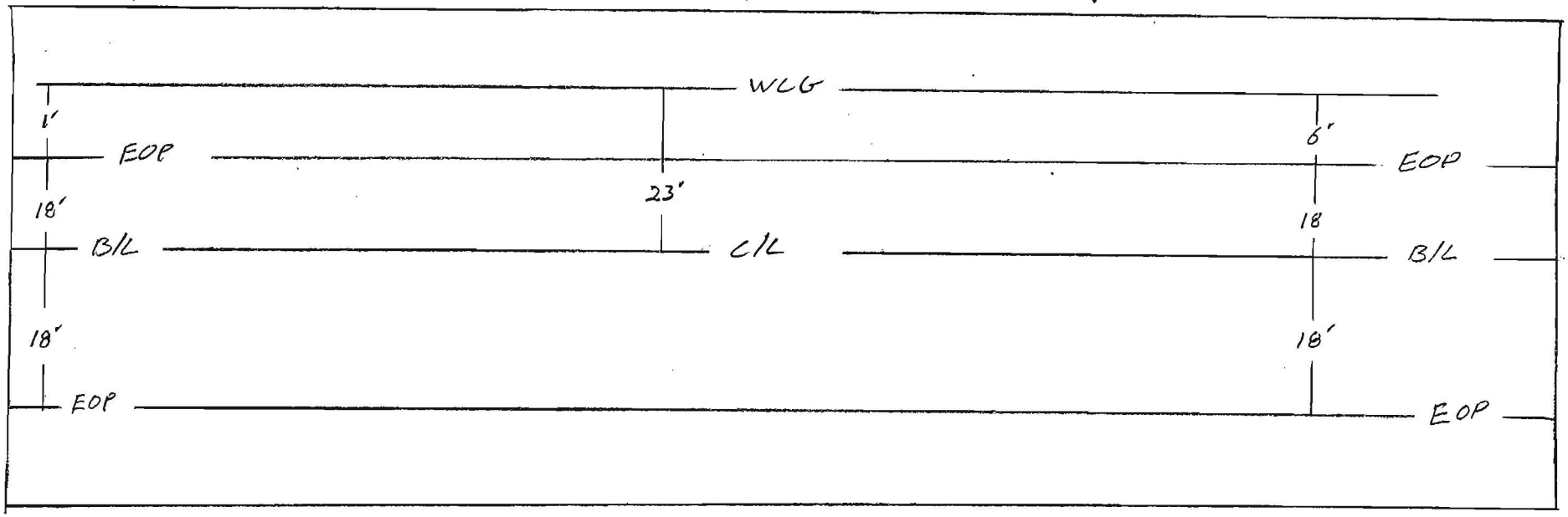
Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]
Page No. 1 [illegible] 2
Drawing #: SARC-121, 122

From: POINT ARENA → To: SACRAMENTO

N

BEGIN BORE 241+37 19'o/s 48"
241+40 ATT MANHOLE 25'o/s
241+90 BORE 19'o/s 119"
242+40 BORE 18'o/s 124"
242+90 BORE 18'o/s 139"
242+97 D-HEADSBURG-G
243+40 BORE 17'o/s 150"
243+62 D-HEADSBURG-G
243+90 BORE 18'o/s 134"
244+40 BORE 23'o/s 139"
244+90 BORE 23'o/s 139"
245+40 BORE 24'o/s 134"
245+90 BORE 24'o/s 134"
246+00 MUTEL LINE
248+40 BORE 24'o/s 132"
246+90 BORE 24'o/s 67"
END BORE 247+10 24'o/s 46"



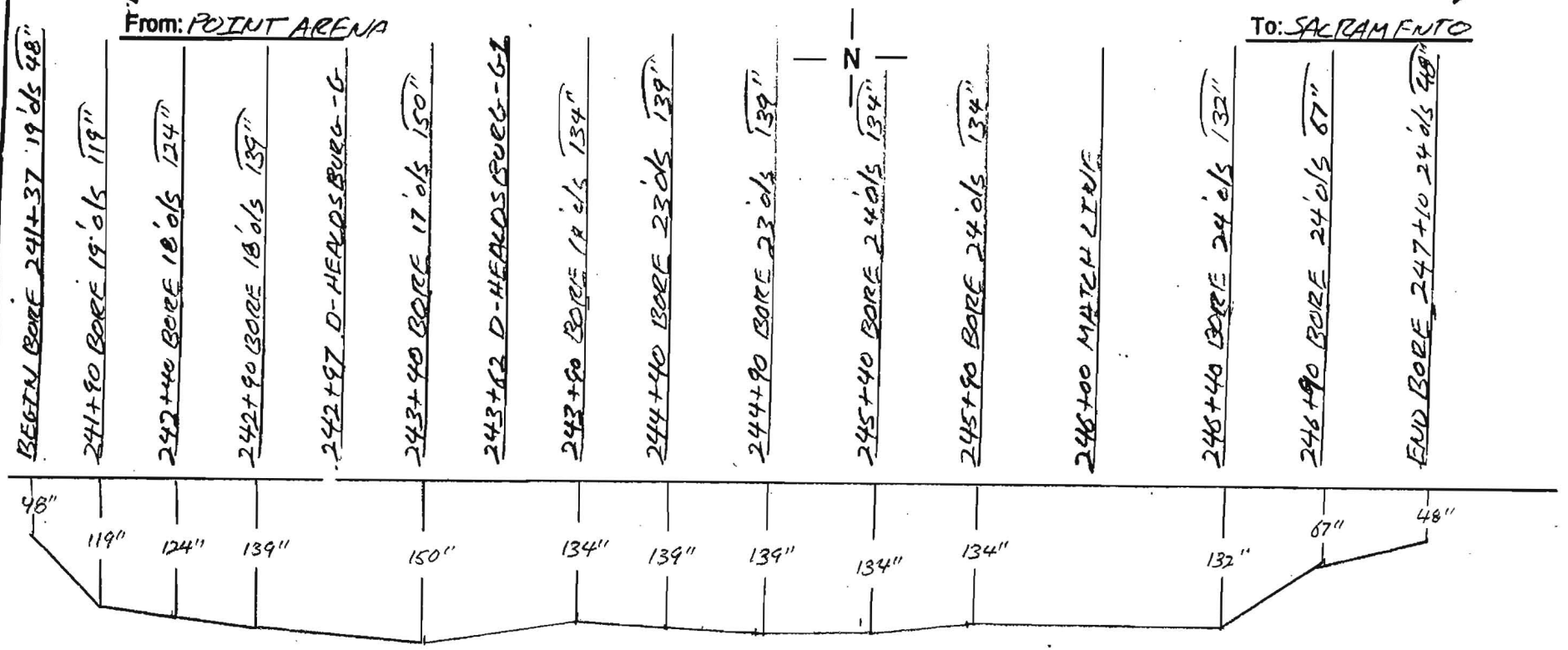
Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 12-11-00
Page No. 2 of 2
Drawing #: SA12C-121, 122

From: POINT ARENA — To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIC BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

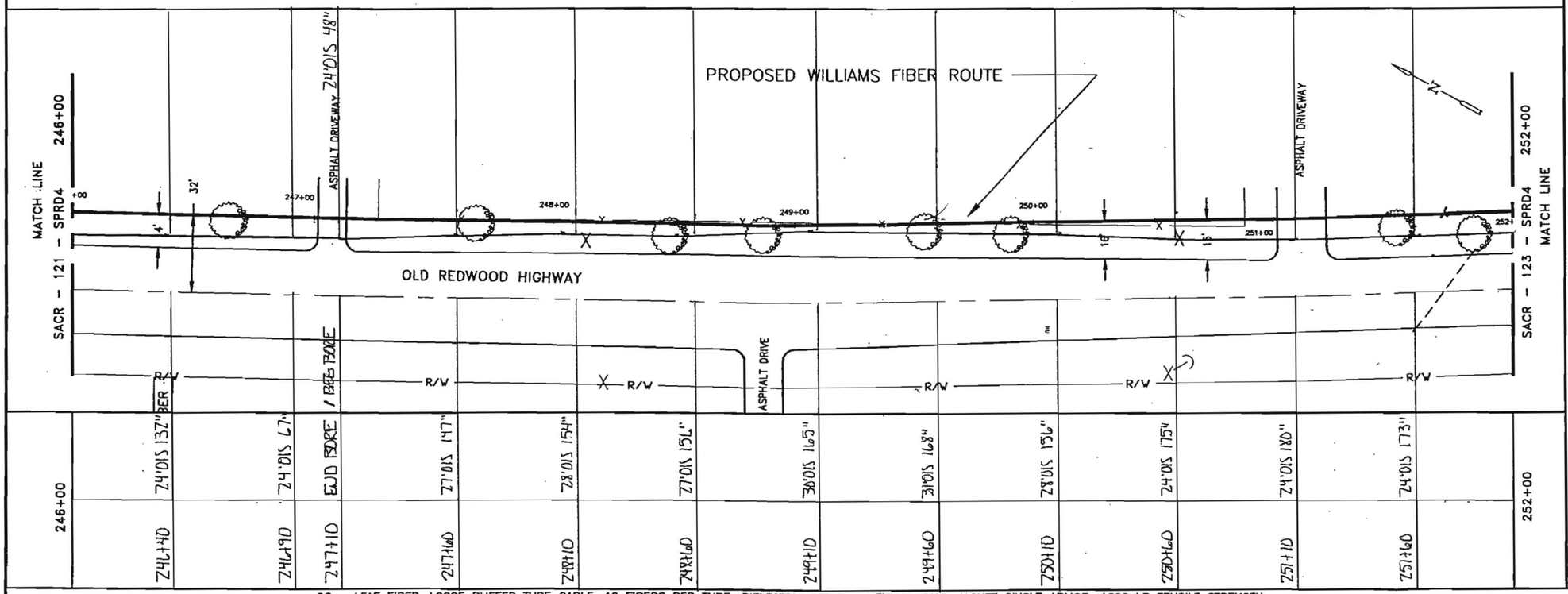
246+39 69' RT. FIBER MARKER
247+07 10' RT. CL DRIVEWAY
247+27 FENCE
248+13 7' RT. POLE
248+21 65' RT. POLE
250+54 62' RT. POLE
250+60 7' RT. POLE
251+56 48' RT. CULVERT
251+65 17' RT. STEEL PIPE
251+80 18' RT. CULVERT
251+83 14' RT. CULVERT

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" HDPE, 1-1.5" HDPE, 1-1.5" HDPE,

246+00 247+10 110'	247+10 252+00 490'
2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLUE 12.11.00 ABS-	2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLUE 12.5.00 ABS- IN BLACK 1.25" HDPE GTA TRACER WIRE GLORIA TA Rem 7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
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3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
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LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT # TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-122-SPRD4

N/A CAD

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4-A
AFE No. 4875
Contract No. 99P154.11

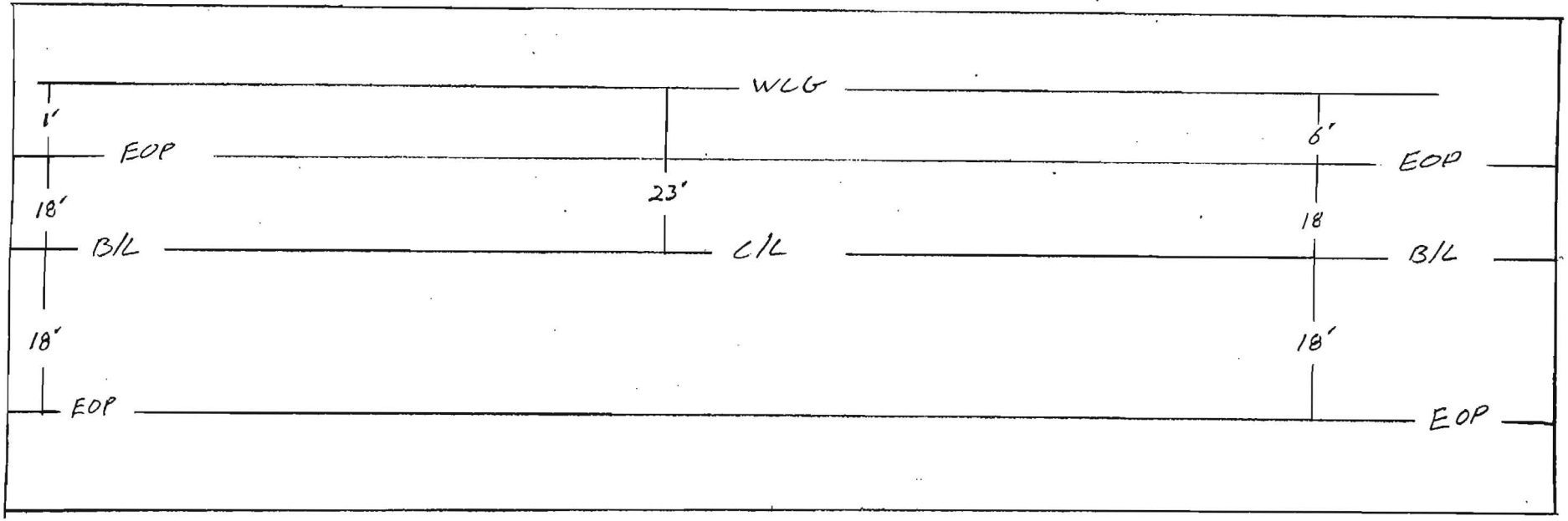
Date: 12-1-
Page No. 1 of 2
Drawing #: SARC-121, 122

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 241+37 19'o/s 48"
241+40 ATT MANHOLE 25'o/s
241+90 BORE 19'o/s 119"
242+40 BORE 18'o/s 124"
242+90 BORE 18'o/s 135"
242+97 D-HEADSBURG-G
243+40 BORE 17'o/s 150"
243+62 D-HEADSBURG-G-1
243+80 BORE 18'o/s 134"
244+40 BORE 23'o/s 139"
244+90 BORE 23'o/s 139"
245+40 BORE 24'o/s 134"
245+90 BORE 24'o/s 134"
246+00 MULTI LINE
246+40 BORE 24'o/s 132"
246+90 BORE 24'o/s 67"
END BORE 247+10 24'o/s 48"



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"

Contractor: TIDWELL SUB-ADVANCED BORING

Inspector: ERIK BALLING

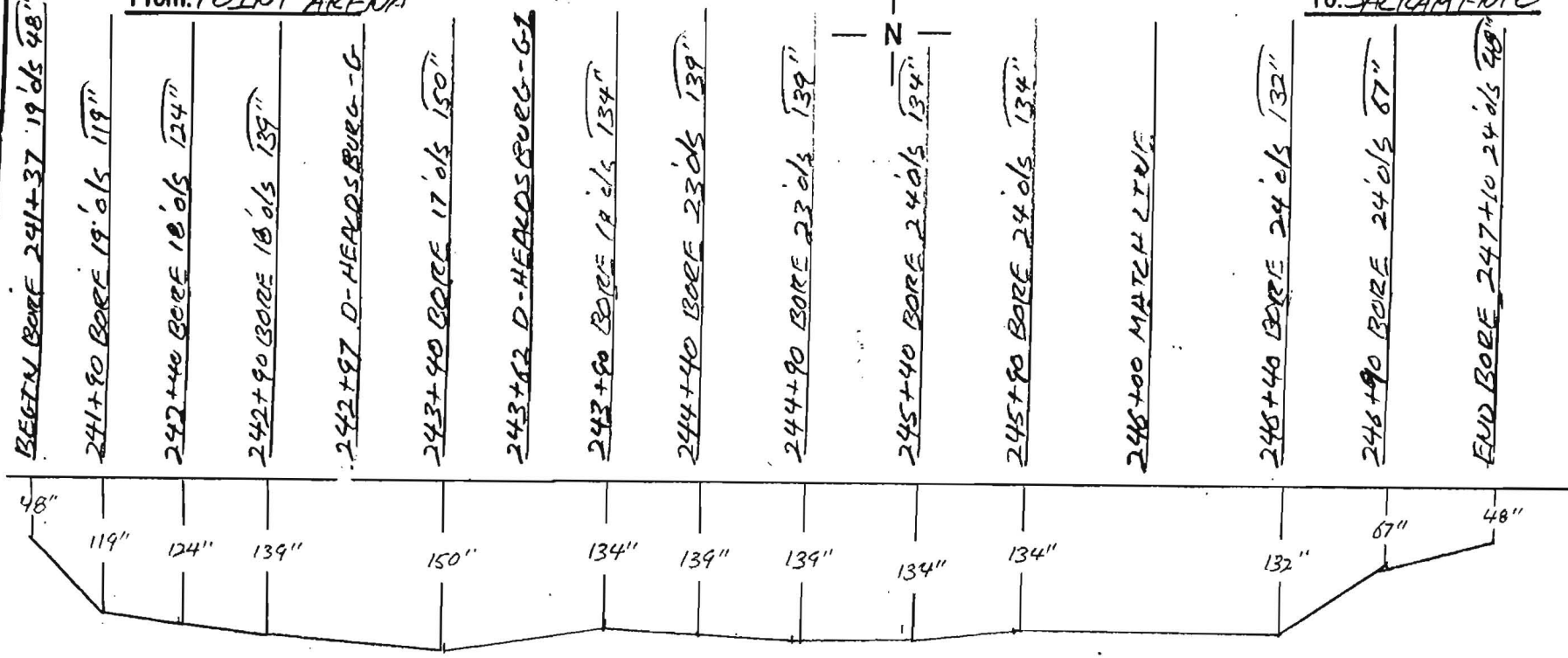
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-11-00
Page No. 2 of 2
Drawing #: SA2C-121, 122

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL
SUB-ADVANCED BORING

Duct Configuration: 1-ORANGE 1½"
1-BLUE 1½", 1-BLACK 1½"

Inspector: ERIC BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 9875
Contract No. 99PIS4, 11

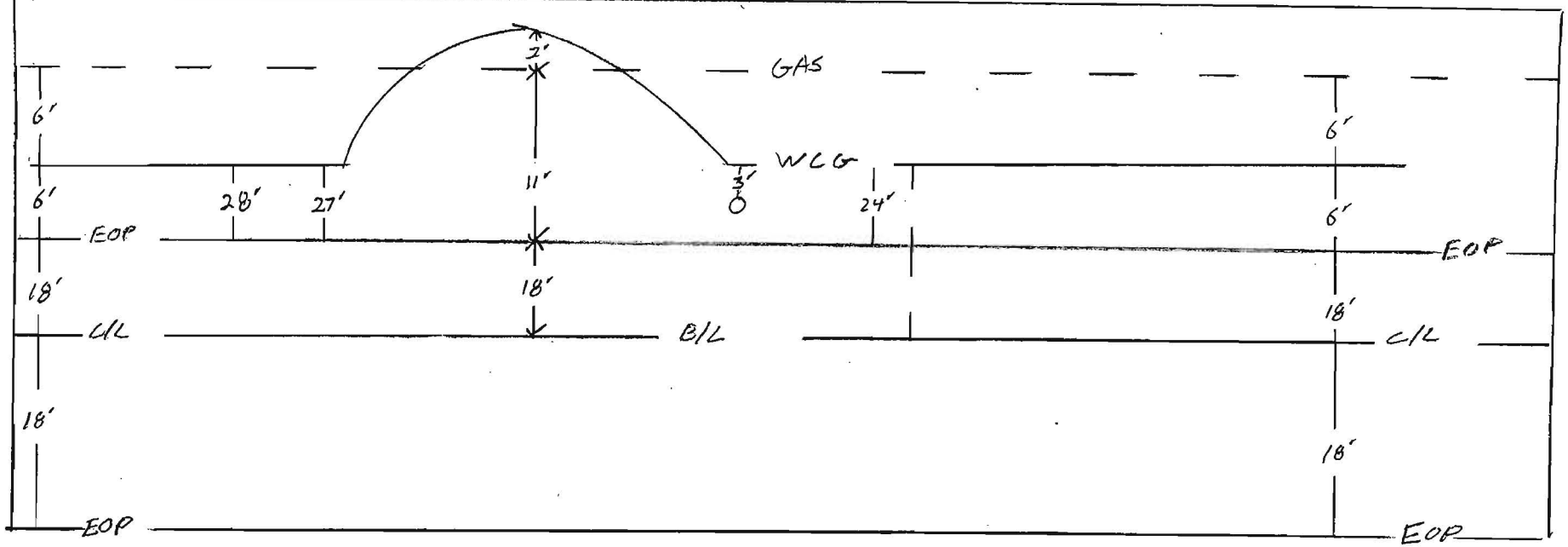
Date: 12-[illegible]-0
Page No. 1 [illegible] 2
Drawing #: SARC-123, 124

From: POINT AREUA

To: SACRAMENTO

N

BEGIN BORE 247+40 24'o/s 48"
247+60 BORE 27'o/s 147"
248+10 BORE 28'o/s 154"
248+60 BORE 27'o/s 158"
249+10 BORE 30'o/s 165"
249+60 BORE 31'o/s 168"
250+10 BORE 28'o/s 158"
250+80 POLE 3'o/s
251+60 BORE 24'o/s 175"
251+10 BORE 24'o/s 180"
251+60 BORE 24'o/s 173"
252+00 MATHAZIUE
252+10 BORE 24'o/s 128"
252+60 BORE 24'o/s 86"
END BORE 252+83 24'o/s 68"



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 9875
Contract No. 99P154,11

Date: 12-[illegible]00
Page No. 2[illegible]2
Drawing #: SARC-123,124

From: POINT ARENA

To: SACRAMENTO

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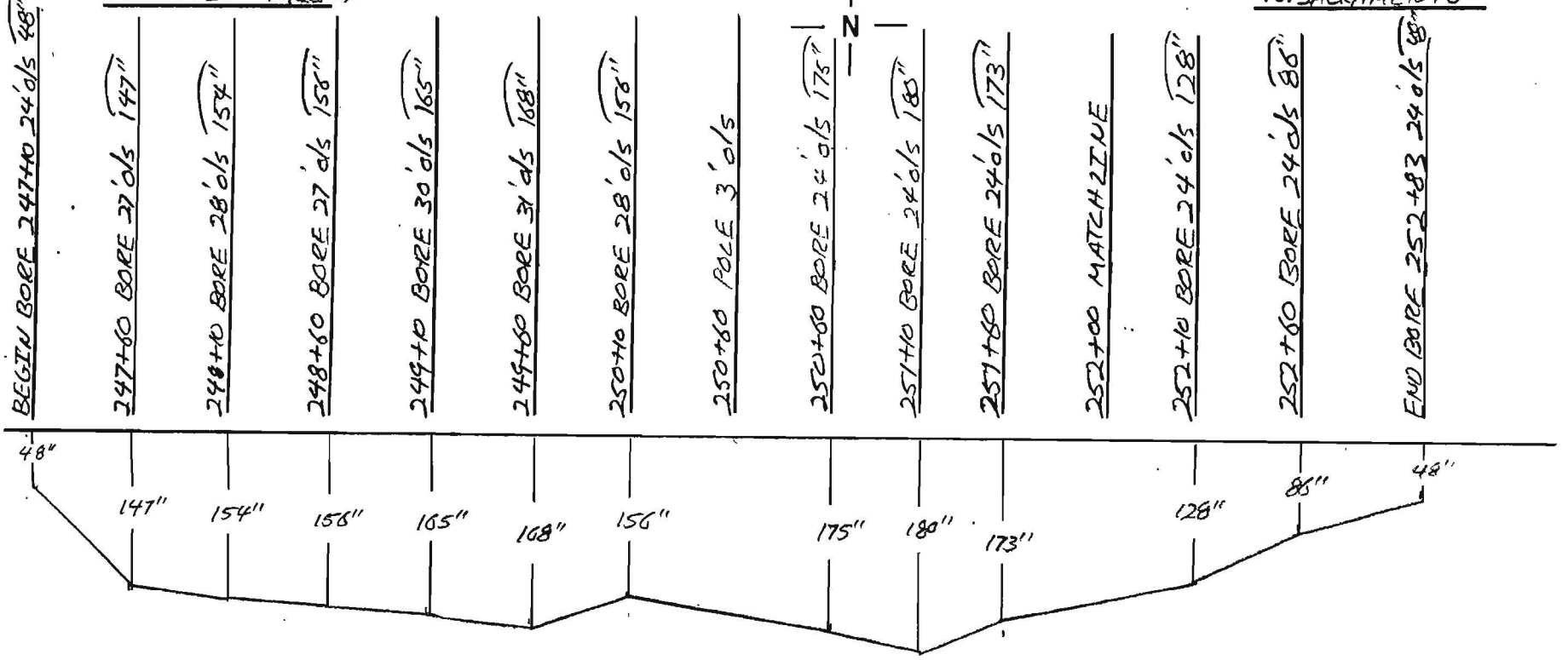


Notes:	County: SONOMA	Contractor: TIDEWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

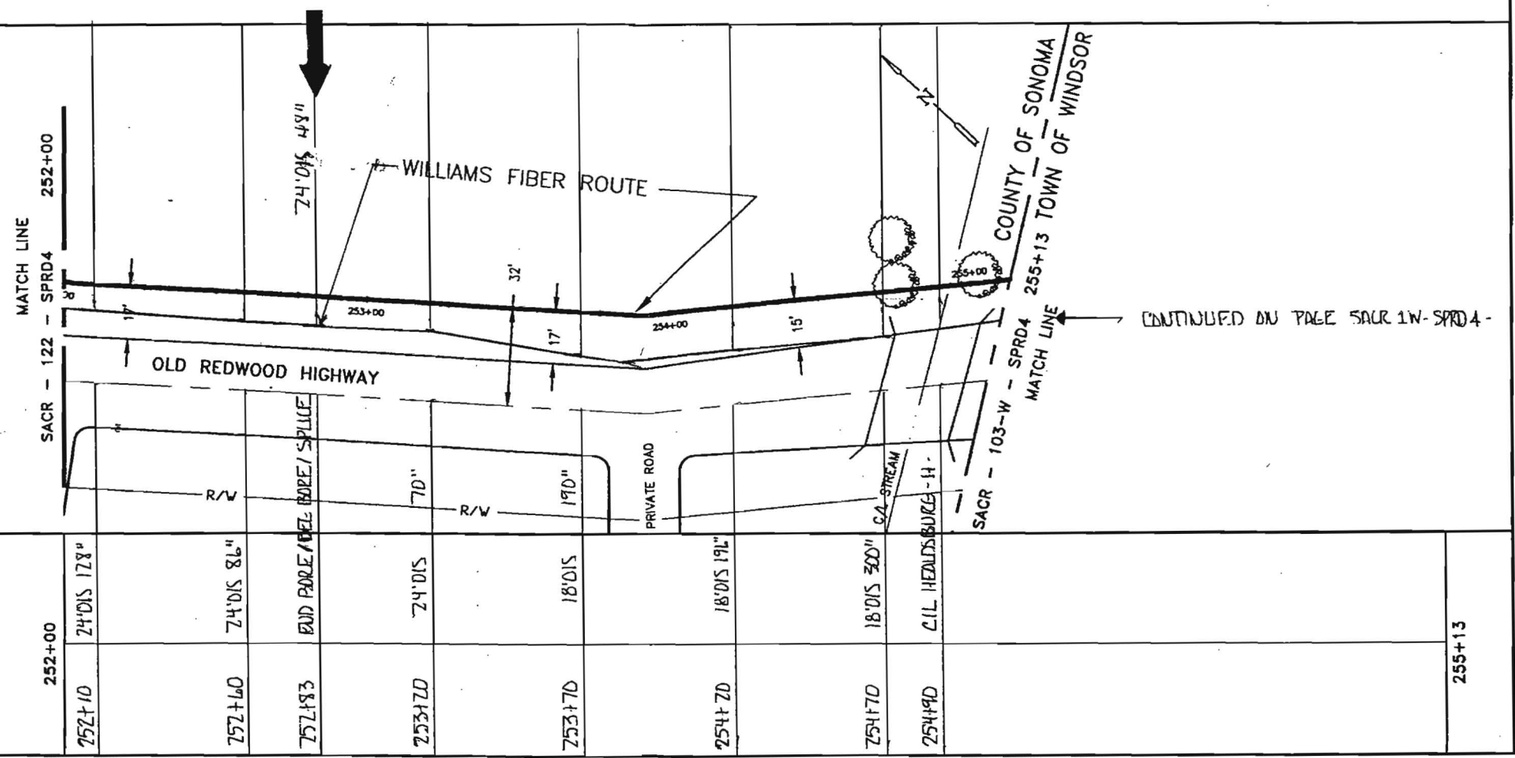
254+60 49' RT. BRIDGE
254+74 14' RT. BRIDGE
254+87 16' RT. C/L STREAM
254+87 50' RT. BRIDGE
254+96 50' RT. CITY LIMITS
255+02 13' RT. BRIDGE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" HDPE, 1-1.5" HDPE, 1-1.5" HDPE

252+00	252+83
252+83	255+13
83'	230'
2.11	2.11
2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE
ERIK BALLING	ERIK BALLING
12_05_00	12_05_00
ABS.	ABS.

IN BULK 1.25" HDPE
GSA TRACER WIRE
GLORIA TAKOR
7-9-01

NOTE:

1. CONDUIT DEPTH TO BE @ A MINIMUM OF 42".
2. CONDUIT WILL HAVE A MINIMUM OF 2' CLEARANCE WHEN CROSSING FOREIGN UTILITIES.
3. CABLE TO BE INSTALLED UNDER CROSS CULVERTS.
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7. AREAS UNDER PAVEMENT WILL BE BORED UNLESS OTHER METHODS ARE APPROVED BY CITY/COUNTY.

LEGEND

(44) Interstate Hwy.	Region Site
(66) U.S. Hwy.	P.O.P./Jct.
(11) State Hwy.	(S) Handhole Splice
(1A) County Road	(H) Handhole
(1A) RR Mile Mkr.	(S) Manhole Splice
Misc. Road Sign	(M) Manhole
New Fiber Cable	SS Manhole
Township Line	x Power Pole
City Limits	(W) Water Valve / Meter
R/W Line	(G) Gas Valve / Meter
River/Stream	(S) Signal Pole
CL Road	Fire Hydrant
CL RR Tracks	Gas Marker
Fence	
OA Pipeline	Oil Marker
Gas Pipeline	
Power Line	
Water Line	Fiber Marker
San. Sewer	
Storm Drain	
Telephone Line	Water Inlet

B.I.P.	Black Iron Pipe
G.I.P.	Galvanized Iron Pipe
EP	Edge of Pavement
EG	Edge of Gravel
FC	Face of Curb
FL	Fog Line and/or White Line

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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1–888–945–2255

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1–800–227–2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/12

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–123–SPRD4

Williams Construction As-Built Documentation

Spread Location: WINDSOR / SONOMA COUNTY

Spread No. 4A

AFE No. 9875

Contract No. 99P157.11

Date: 12-[illegible]-00

Page No. 1 of 2

Drawing #: SARC-123, IW

From: POINT AREUA

To: SACRAMENTO

N

BEGIN BORE: 252+83 24'o/s 48"

SPUDF 252+83 24'o/s 48"

253+20 BORE 24'o/s 70"

253+38 POLE 3'o/s

253+70 BORE 18'o/s 150"

254+20 BORE 18'o/s 158"

254+70 BORE 18'o/s 300"

254+90 C/L-HARDS BOREHOLE

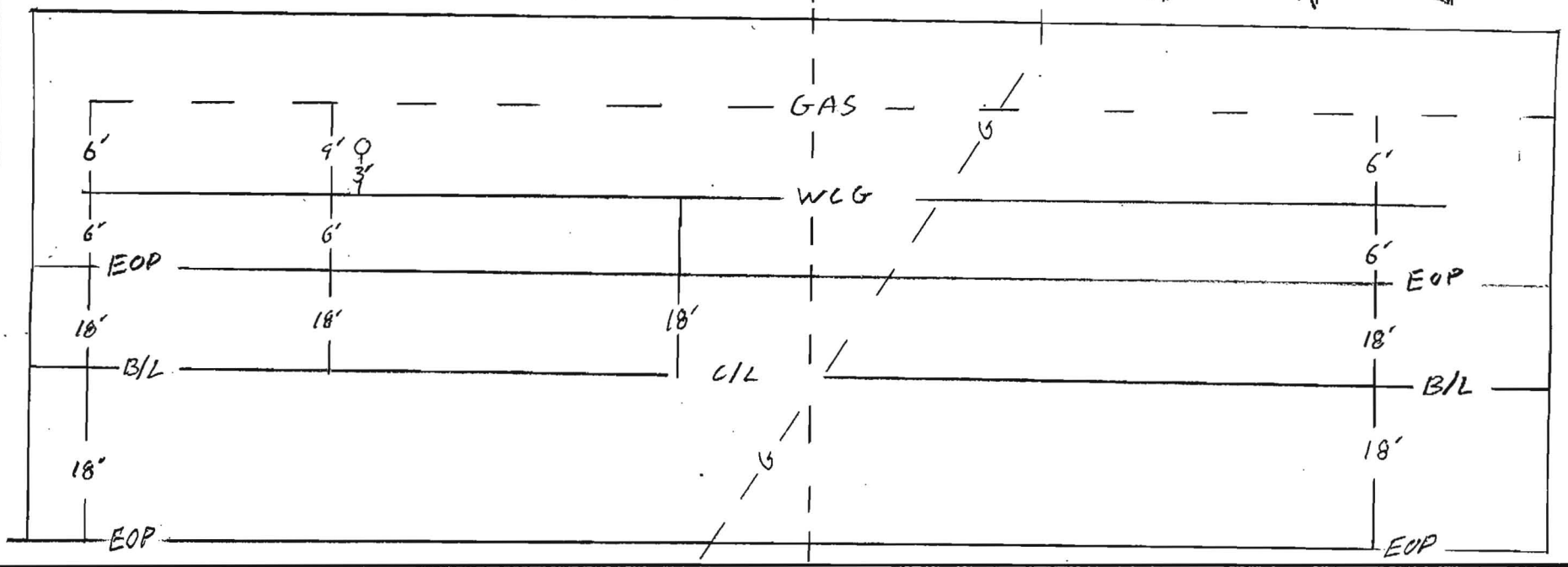
255+13 MATCHLINE

255+19 1" GAS 38"

255+20 BORE 18'o/s 238"

255+70 BORE 18'o/s 170"

END BORE 256+20 18'o/s 48"



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1½"

Contractor: TIDWELL SUB-ADVANCED BORING

Inspector: ERIK GALLING

Williams Construction As-Built Documentation

Spread Location: WINDSOR / SONOMA COUNTY

Spread No. 4-A

AFE No. 9875

Contract No. 99P154.11

Date: 12-[redacted]00

Page No. [redacted]2

Drawing #: SAEC-123, 1W

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 252+43 24'o/s 48"

SPIKE 252+83 24'o/s 48"

253+20 BORE 24'o/s 70"

253+38 POLE 3'o/s

253+70 BORE 18'o/s 190"

254+20 BORE 18'o/s 196"

254+70 BORE 18'o/s 300"

254+90 C/L-HALOS BUEGH

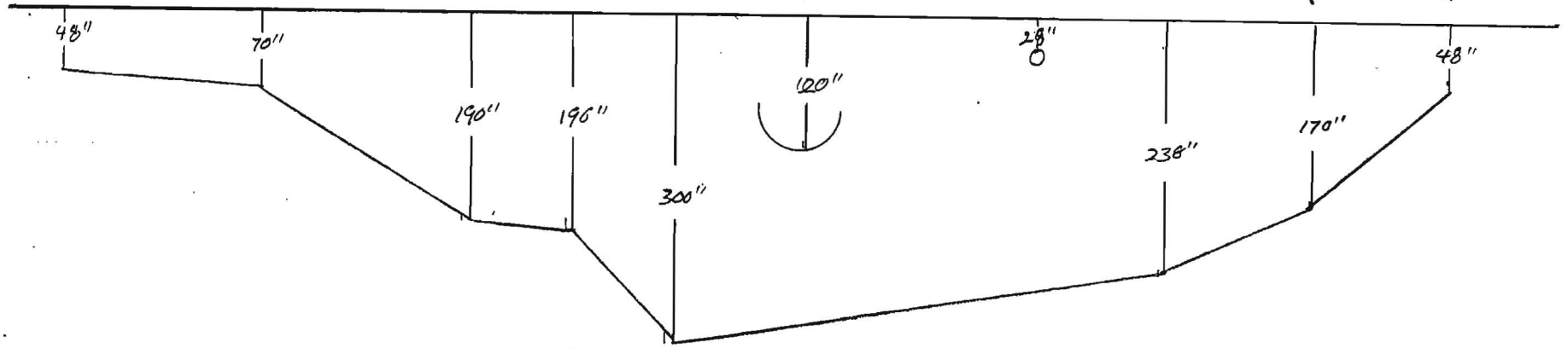
255+13 MATCHLINE

255+19 1" GAS 28"

255+20 BORE 18'o/s 238"

255+70 BORE 18'o/s 170"

END BORE 256+20 18'o/s 48"



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2" 1-BLACK 1 1/4"

Contractor: TIDWELL SUB-ADUARED BORING

Inspector: ERIK CALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

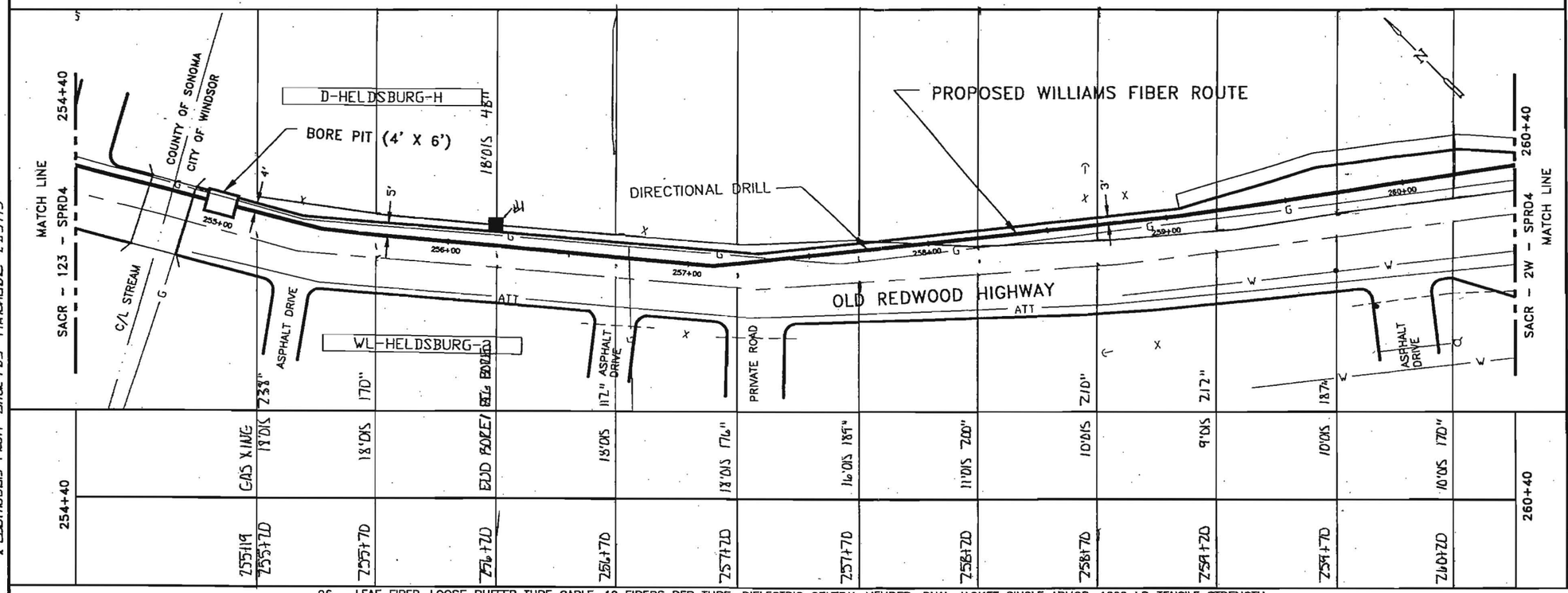
254+96 PLACE HANDHOLE
255+36 11' LT. TELE. POLE #1 PLACED WE MARK ALE 7/1 KEPP ERIK BALLING 12-21-00
256+72 26' RT. DRIVEWAY
256+83 10' LT. TELE. POLE
257+03 31' RT. TELE. POLE
258+48 53' RT. GUY WIRE
258+66 12' LT. TELE. POLE
258+66 POWER LINE
258+68 24' LT. GUY WIRE
258+70 52' RT. POWER POLE
258+84 12' LT. TELE. POLE
258+90 52' RT. POWER POLE
259+93 42' RT. DRIVEWAY

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" BLACK, 1-1.5" BLUE 1-1.5" ORANGE

255+13
256+20
107'

7.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12.05.00
ADVANCED BORING

260+20
260+40
20'

2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12-16-00
ABS-

IN BLACK 1.25" HDPE
GPA TRACER WIRE
GLORIA TABOR
7-9-01

* CONTINUED FROM SHEET 123 MARKLUVE 253+13

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OR Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OR Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE .	MW	10/20

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–1W–SPRD4

Williams Construction As-Built Documentation

Spread Location: WINDSOR / SONOMA COUNTY

Spread No. 4A

AFE No. 9875

Contract No. 99P154.11

Date: 12-[illegible]-00

Page No. 1 of 2

Drawing #: SAEC-123,1W

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE: 252+83 24 o/s 48"

SPLICE 252+83 24 o/s 48"

253+20 BORE 24 o/s 70"

253+38 POLE 3 o/s

253+76 BORE 18 o/s 15"

254+20 BORE 18 o/s 15"

254+70 BORE 18 o/s 300"

254+90 C/L - HARDS BORE - H

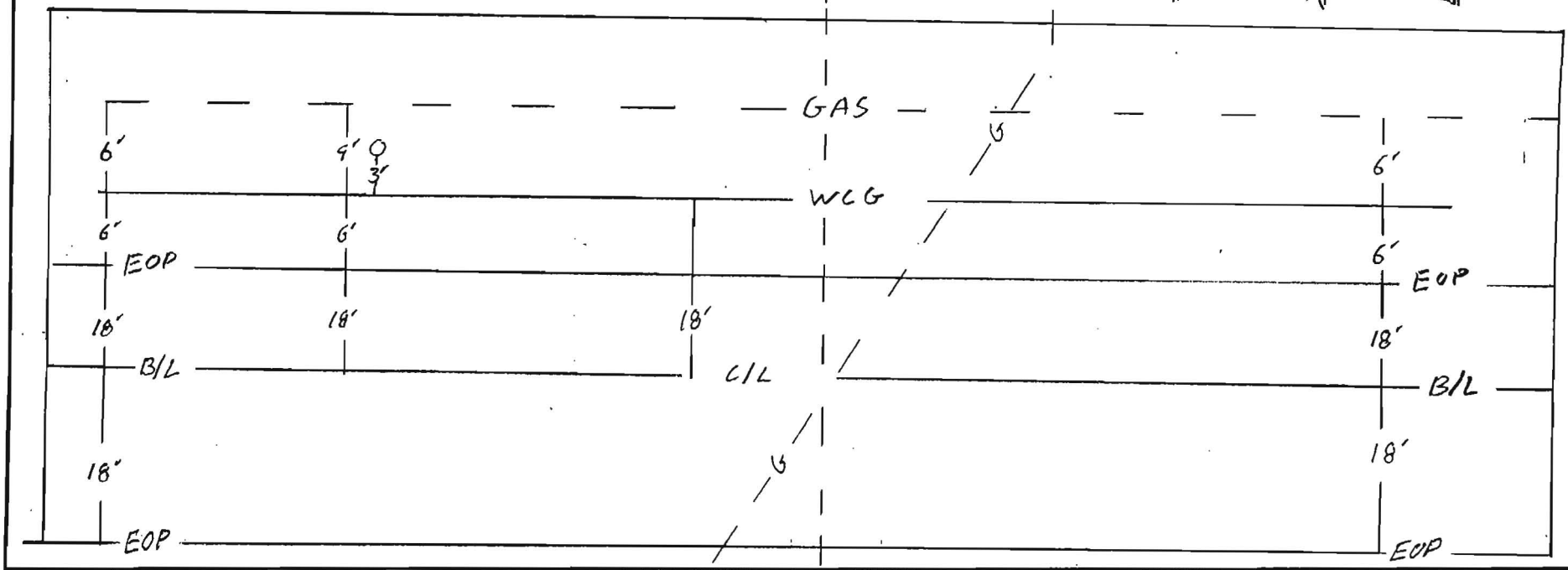
253+13 MATCHLINE

255+19 1" GAS 38"

255+20 BORE 18 o/s 338"

255+70 BORE 18 o/s 170"

END BORE 256+20 18 o/s 48"



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2" 1-BLACK 1 1/2"

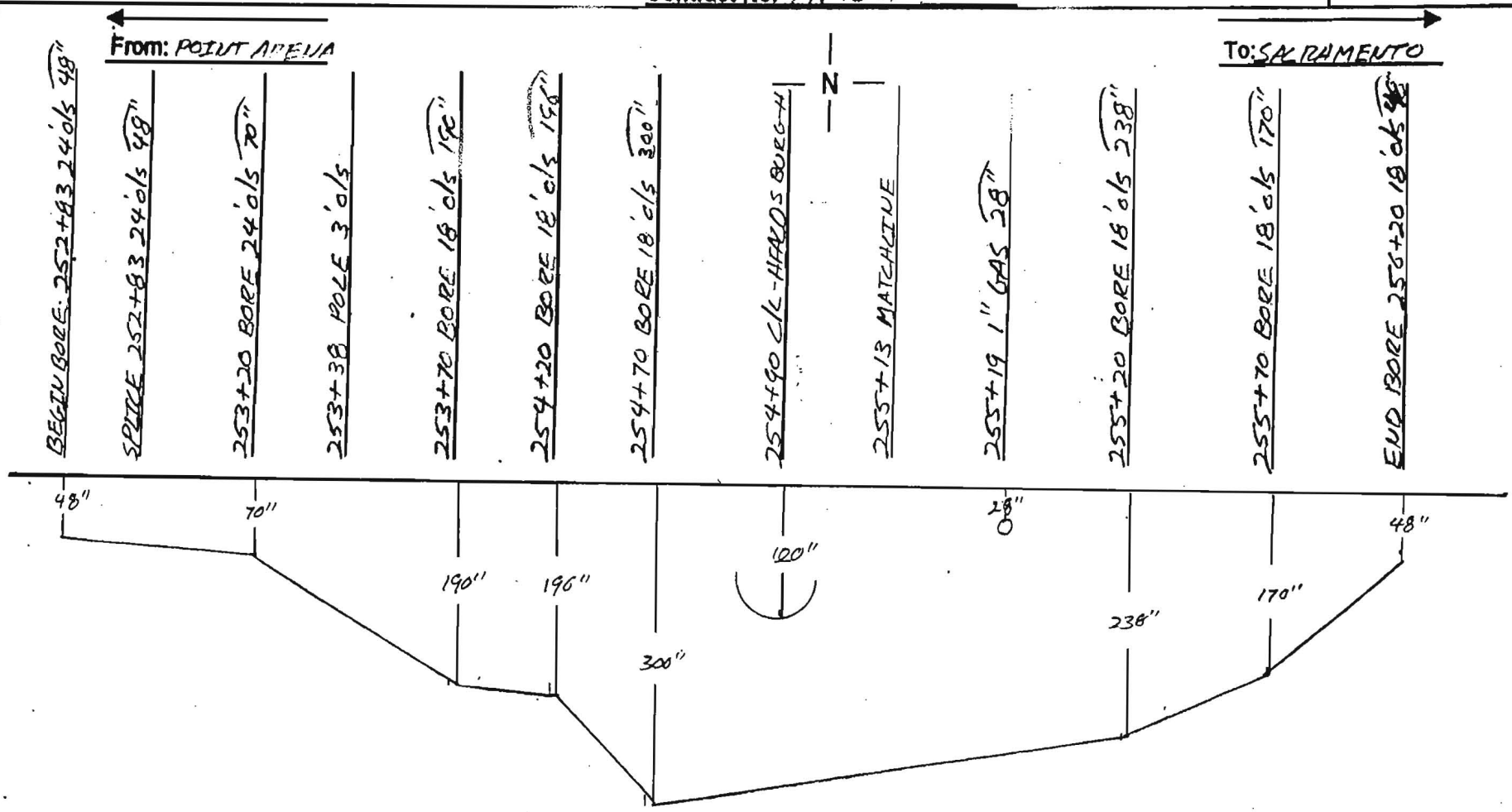
Contractor: TIDWELL SUB-ADUALED BORING

Inspector: ERIK CALLING

Williams Construction As-Built Documentation

Spread Location: WINDSOR / SONOMA COUNTY
Spread No. 4-1
AFE No. 9875
Contract No. 99P154.11

Date: 12-5-00
Page No. 2
Drawing #: SAEC-123,1W

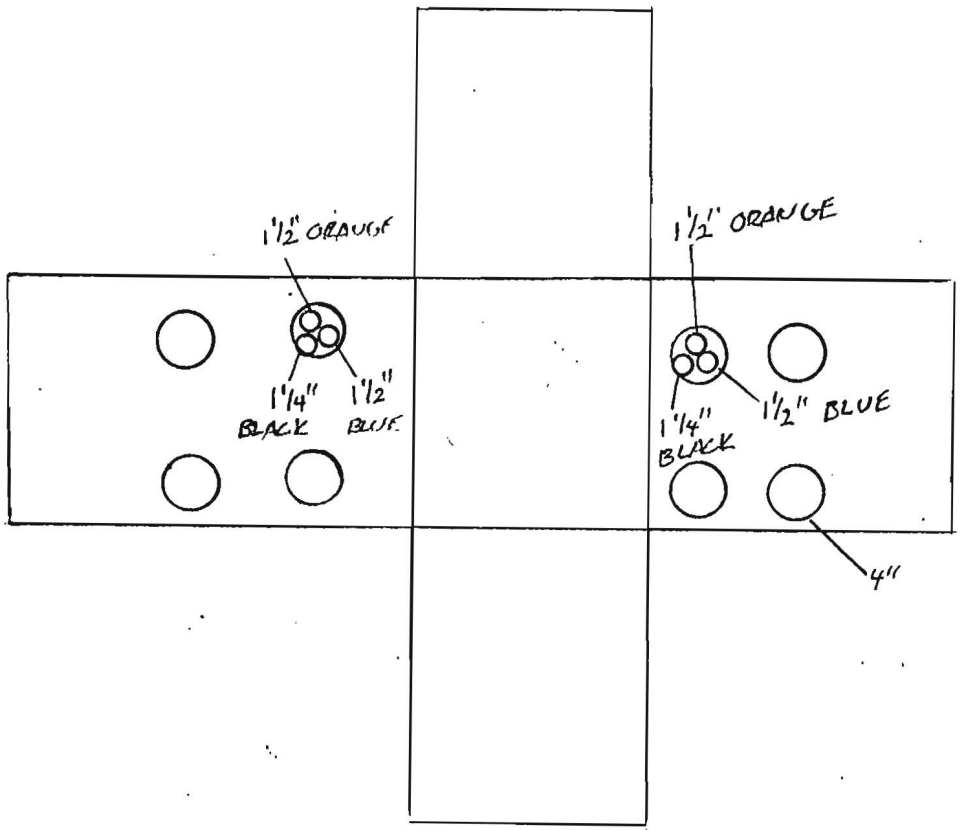


Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADUALED BORING
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK CALLING

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #:	SHEET #:
2-21-00	4875	SARC - 1W	4A

POINT ARENA ← N → SACRAMENTO



256+20

NOTES:	COUNTY:	CONTRACTOR: TIDWELL
	SONOMA	
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

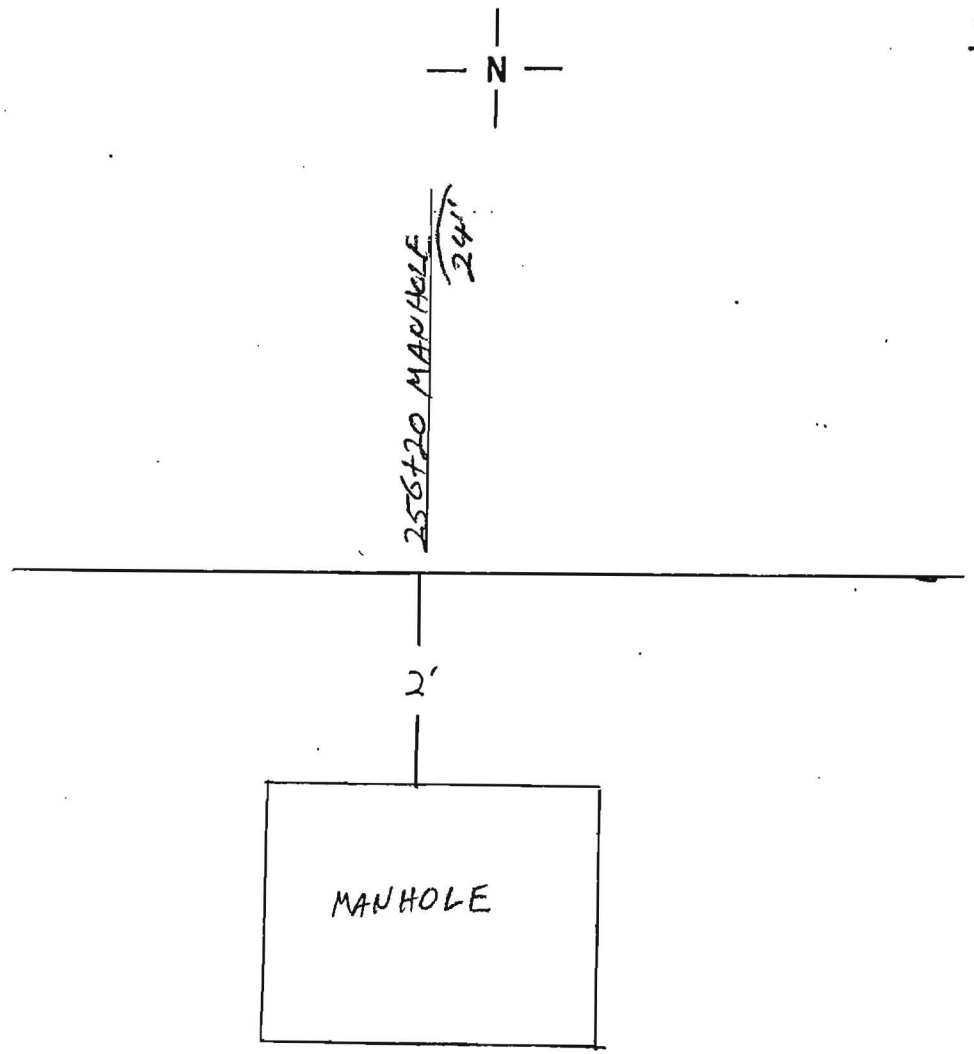
Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-21-00
Page No. 1 of 1
Drawing #: SARC-1W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

Duct Configuration: 1-ORANGE 1½ 1-BLUE 1½, 1-BLACK 1¼

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 44
AFE No. 4875
Contract No. 99P154.11

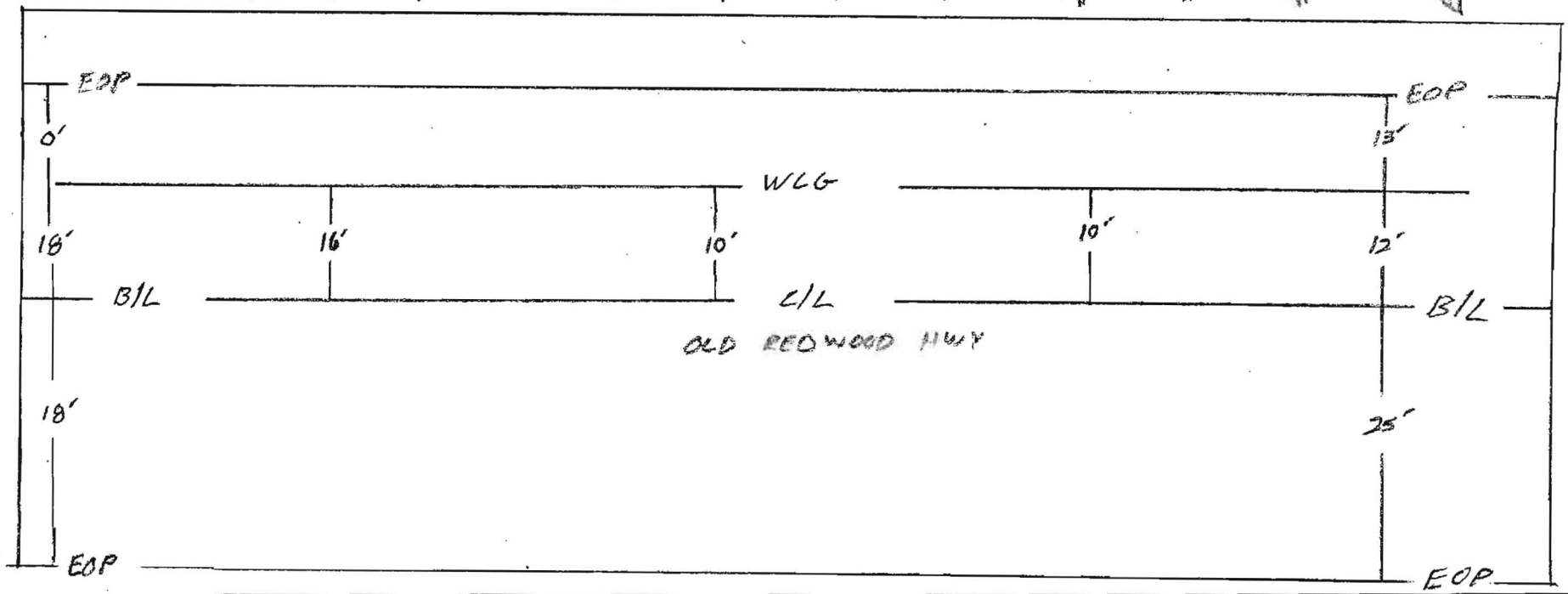
Date: 12-16-00
Page No. 1 of 2
Drawing #: SARC - 1W-2W

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 258+20 18 o/s 98"
256+70 BORE 18 o/s 113"
257+20 BORE 18 o/s 178"
257+70 BORE 18 o/s 189"
258+20 BORE 11 o/s 200"
258+70 BORE 10 o/s 210"
259+20 BORE 9 o/s 333"
259+70 BORE 10 o/s 187"
260+20 BORE 10 o/s 120"
260+70 BORE 10 o/s 147"
261+20 BORE 10 o/s 112"
261+70 BORE 10 o/s 93"
262+20 BORE 11 o/s 78"
END BORE 262+50 12 o/s 98"



Notes:

County: SONOMA

Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-ORANGE 1 1/2"

Contractor: TIDWELL SUB-ADVANCED BORING

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-16-00
Page No. 2
Drawing #: SARC-1W, 2W

From: POINT ARENA

To: SACRAMENTO

N



Notes:	County: SONOMA	Contractor: TIDWELL SUB- ADVANCED BORING
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-GLACE 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

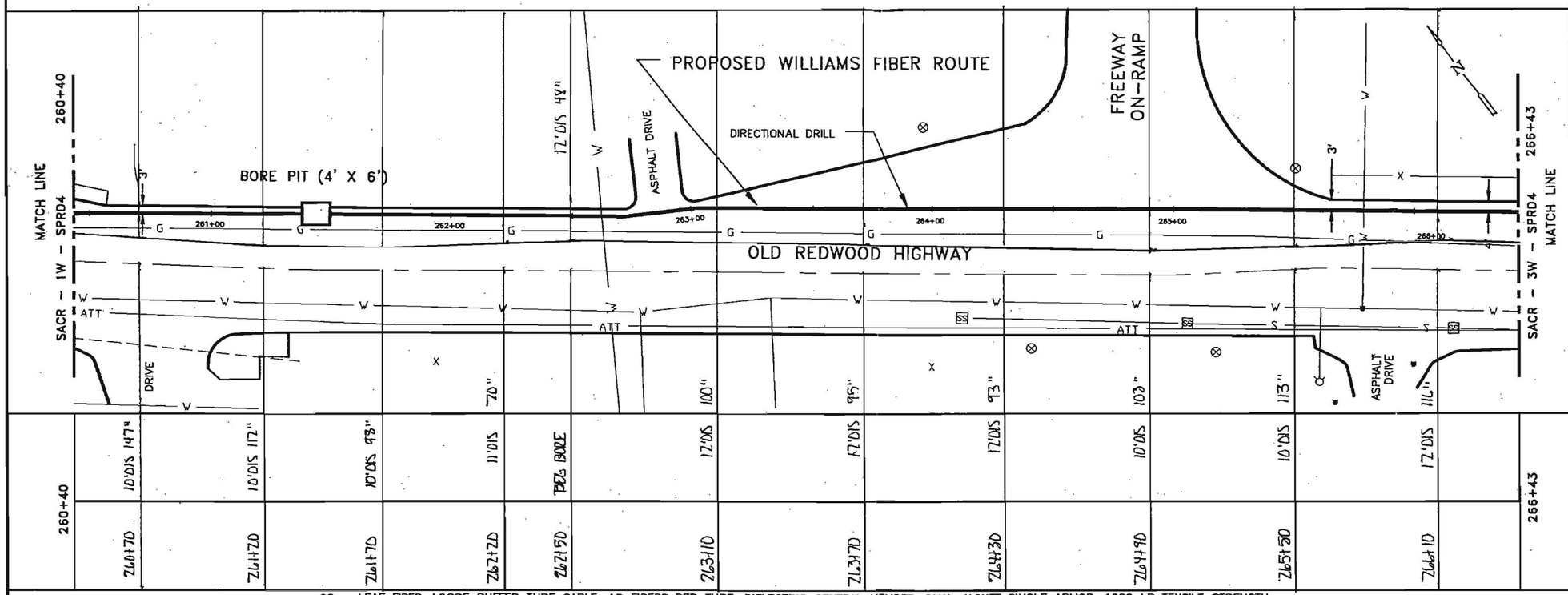
260+77 48' RT. DRIVEWAY
261+94 60' RT. POWER POLE
262+62 WATER LINE
262+87 5' LT. DRIVEWAY
263+86 52' RT. SEWER MH
263+96 34' LT. SIGNAL POLE
263+99 65' RT. POWER POLE
264+42 58' RT. SIGNAL POLE
264+86 6' LT. 101 ON-RAMP
265+06 47' RT. SEWER MH
265+18 59' RT. SIGNAL POLE
265+50 18' LT. SIGNAL POLE
265+61 71' RT. FIRE HYDRANT
265+65 14' LT. FENCE CORNER
265+79 40' RT. WATER METER
265+79 WATER LINE
265+88 56' RT. DRIVEWAY
266+00 63' RT. WATER METER
266+17 48' RT. SEWER MH

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)
1-1.25" BLACK 1-1.5" BLUE 1-1.5" ORANGE

260+77D
262+30D
210'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12.16.00
ABS

IN BLACK 1.25 HDPE
6GA. TRACER WIRE
GLORIA TABOR
7-9-01

262+50D
266+93
393'
2.11
2-1.5" HDPE
1-1.25" HDPE
TODD HELDRICK
12.15.00
TIDWELL

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9089

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/20

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

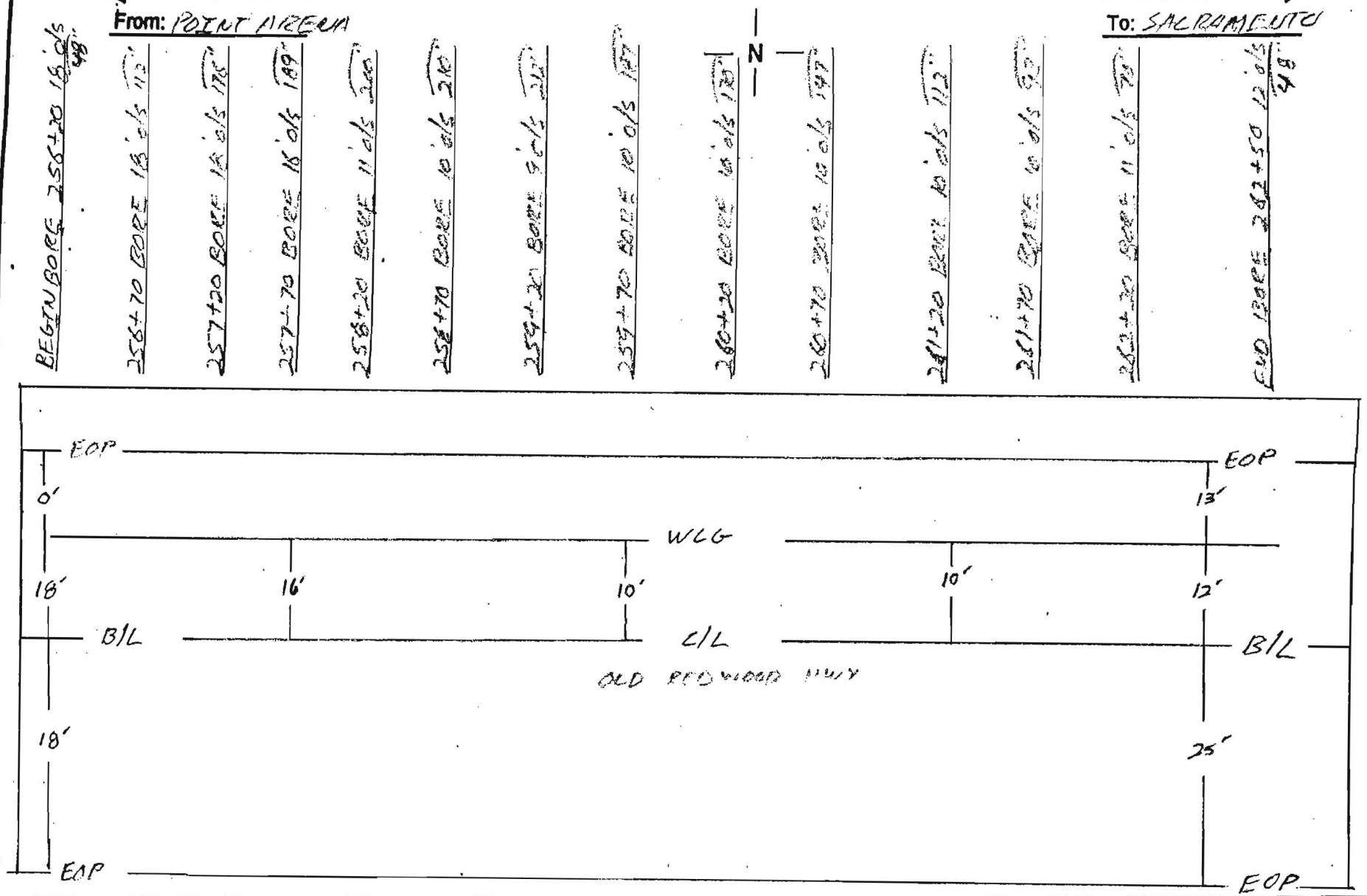
DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–2W–SPRD4

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-1[illegible]-00
Page No. 1 [illegible] 2
Drawing #: SARC - 1W-2W

From: POINT ARENA
To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL SUB-ADVANCED BORING

Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-ORANGE 1½"

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY

Spread No. 4A

AFE No. 4875

Contract No. 99P154.11

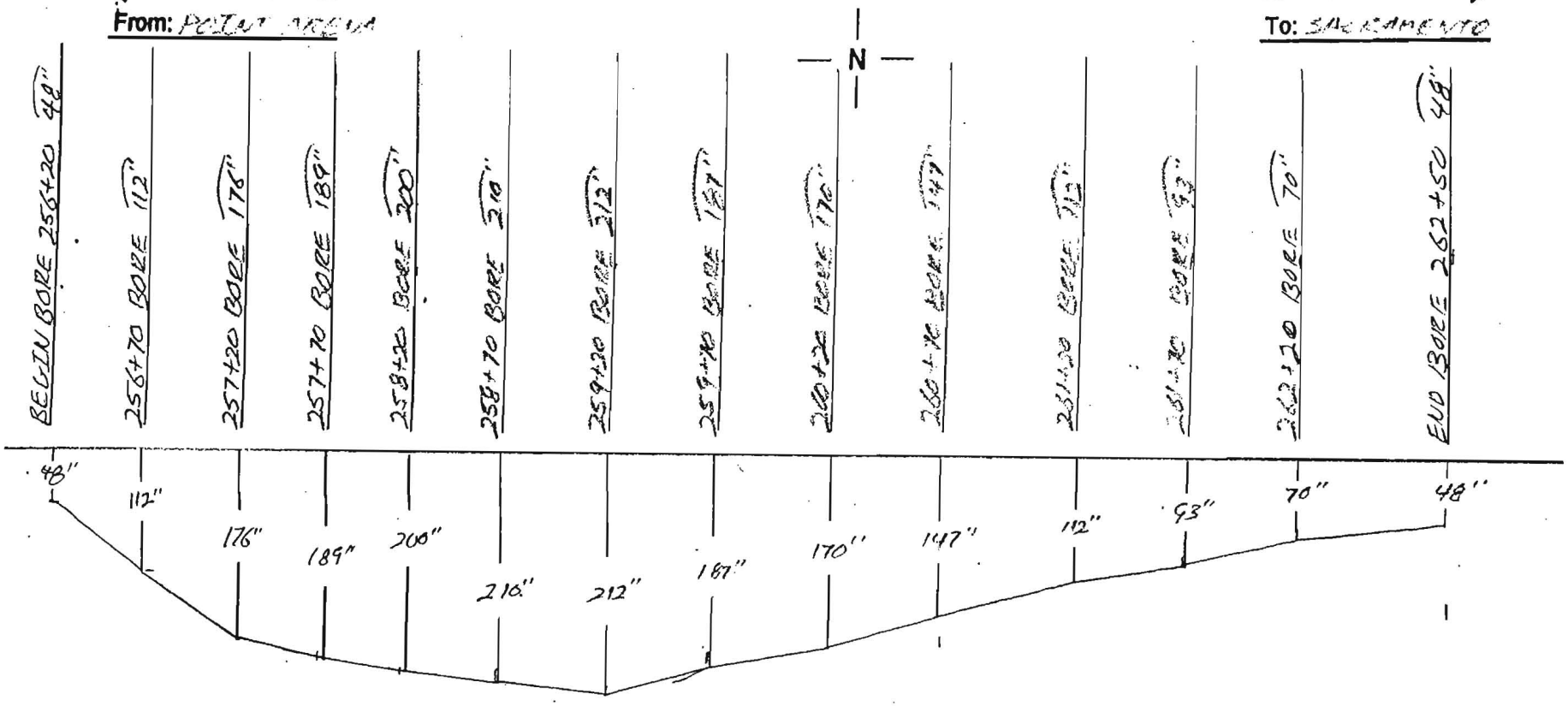
Date: 12-16-00

Page No. 2 [redacted] 2

Drawing #: SAGE - 1W, 2W

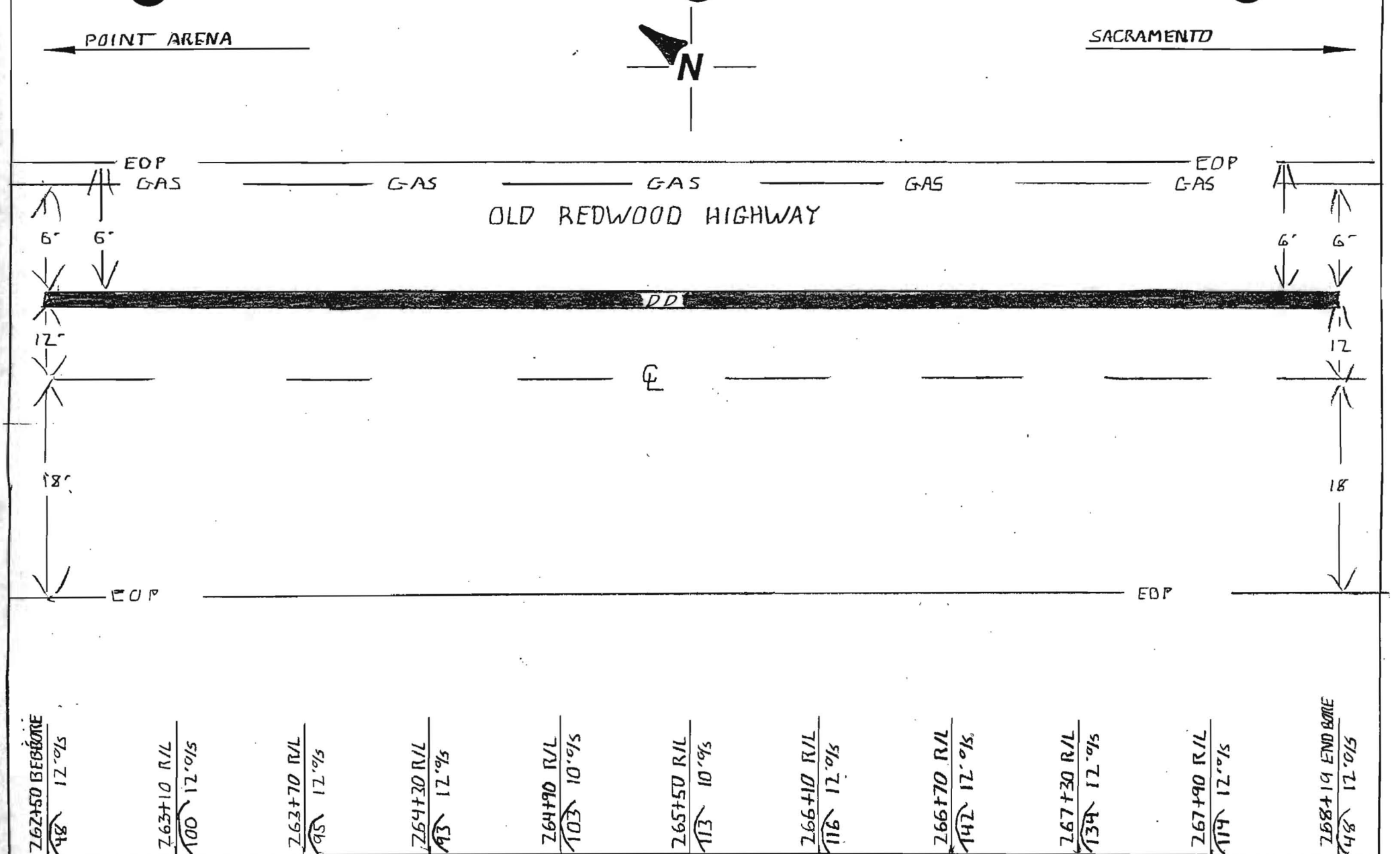
From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL SUB-ADVANCED BORING
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 1-15-00	PROJECT: 4875	DWG/ALIGNMENT SHEET #: 2W - 3W	SPREAD #: 1

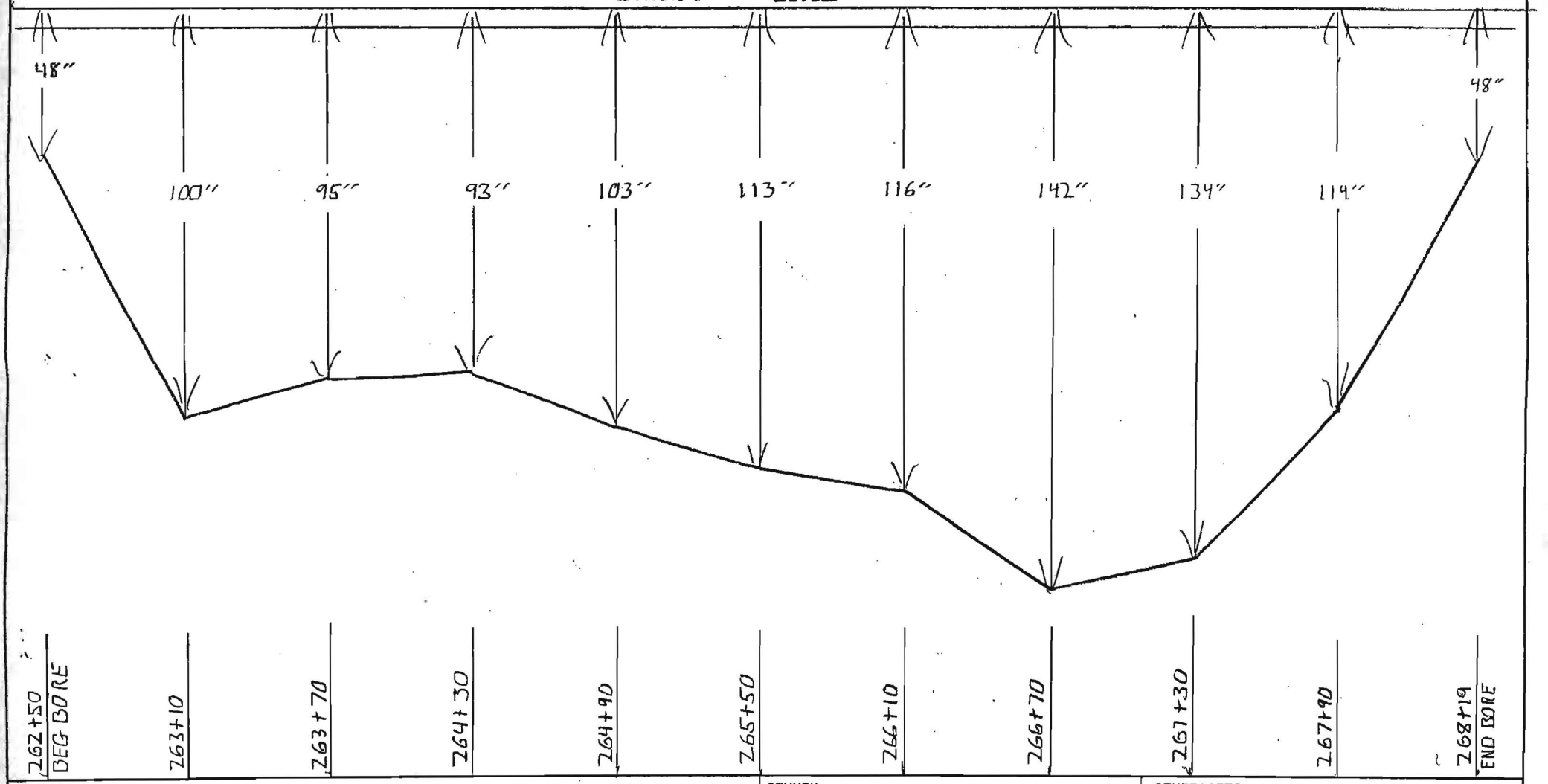


NOTES: TOTAL FOOTAGE - 569'	COUNTY: SONOMA	CONTRACTOR: TIDWELL
	DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE	INSPECTOR: TODD WEIDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SPREAD #
-15-00	4875	ZW-31W	

PT. ARENA ← N → SAC



NOTES:

COUNTY: SONOMA

CONTRACTOR: TIDWELL

DUCT CONFIGURATION: (2)1.5"(1)1.25" HDPE

INSPECTOR: TODD HEIDRICK

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

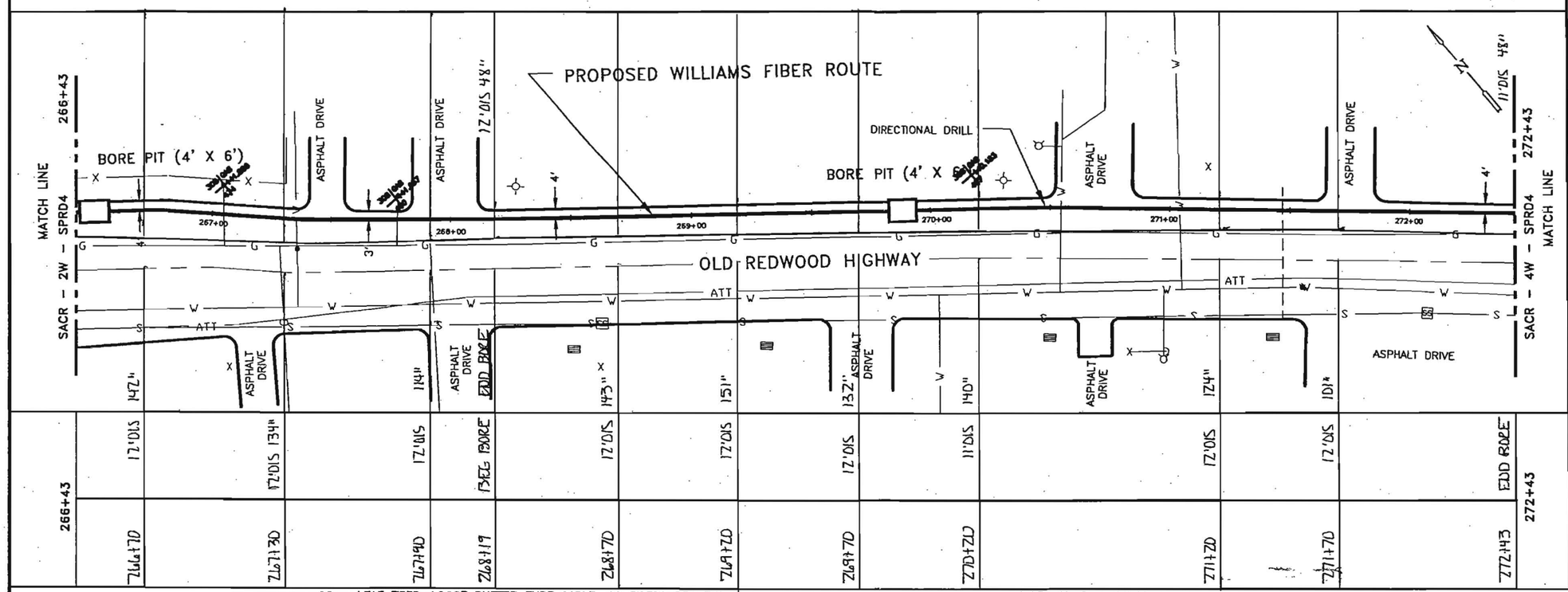
267+04 11' LT. GAS METER
267+05 GAS LINE
267+11 63' RT. POWER POLE
267+21 50' RT. DRIVEWAY
267+30 14' LT. FENCE CORNER
267+46 5' LT. DRIVEWAY
267+78 10' LT. GAS METER
267+98 5' LT. DRIVEWAY
268+04 47' RT. DRIVEWAY
268+27 13' LT. LIGHT POLE
268+51 55' RT. DRAIN INLET
268+60 62' RT. POWER POLE
269+30 55' RT. DRAIN INLET
269+70 47' RT. DRIVEWAY
270+18 11' LT. GAS METER
270+31 11' LT. LIGHT POLE
270+46 25' LT. FIRE HYDRANT
270+49 54' RT. DRAIN INLET
270+68 5' LT. DRIVEWAY
270+69 46' RT. DRIVEWAY
270+84 59' RT. POWER POLE
271+00 59' RT. GUY WIRE
271+04 WATER LINE
271+08 POWER POLE
271+15 17' LT. POWER POLE
271+44 53' RT. DRAIN INLET
271+47 CULVERT
271+55 32' RT. WATER METER
271+75 6' LT. DRIVEWAY
272+08 42' RT. SEWER MH
272+32 47' RT. DRIVEWAY

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

1-1.25" BLACK 1-1.5" BLUE 1-1.5" ORANGE

Z66+93 Z68+19 176'	Z68+19 Z72+93 474'
2-1.5" HDPE 1-1.75" HDPE TODD HEITDRUK 12.15.00 TIDWELL	2-1.5" HDPE 1-1.25" HDPE ERIK BALLOG 12.12.00 TIDWELL
IN 65A GLORIA T-	BLACK 1.25" HDPE TRACER WIRE TABOR 9.01

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	5/15
3	REVISED DRAWING SCALE	MW	10/20

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

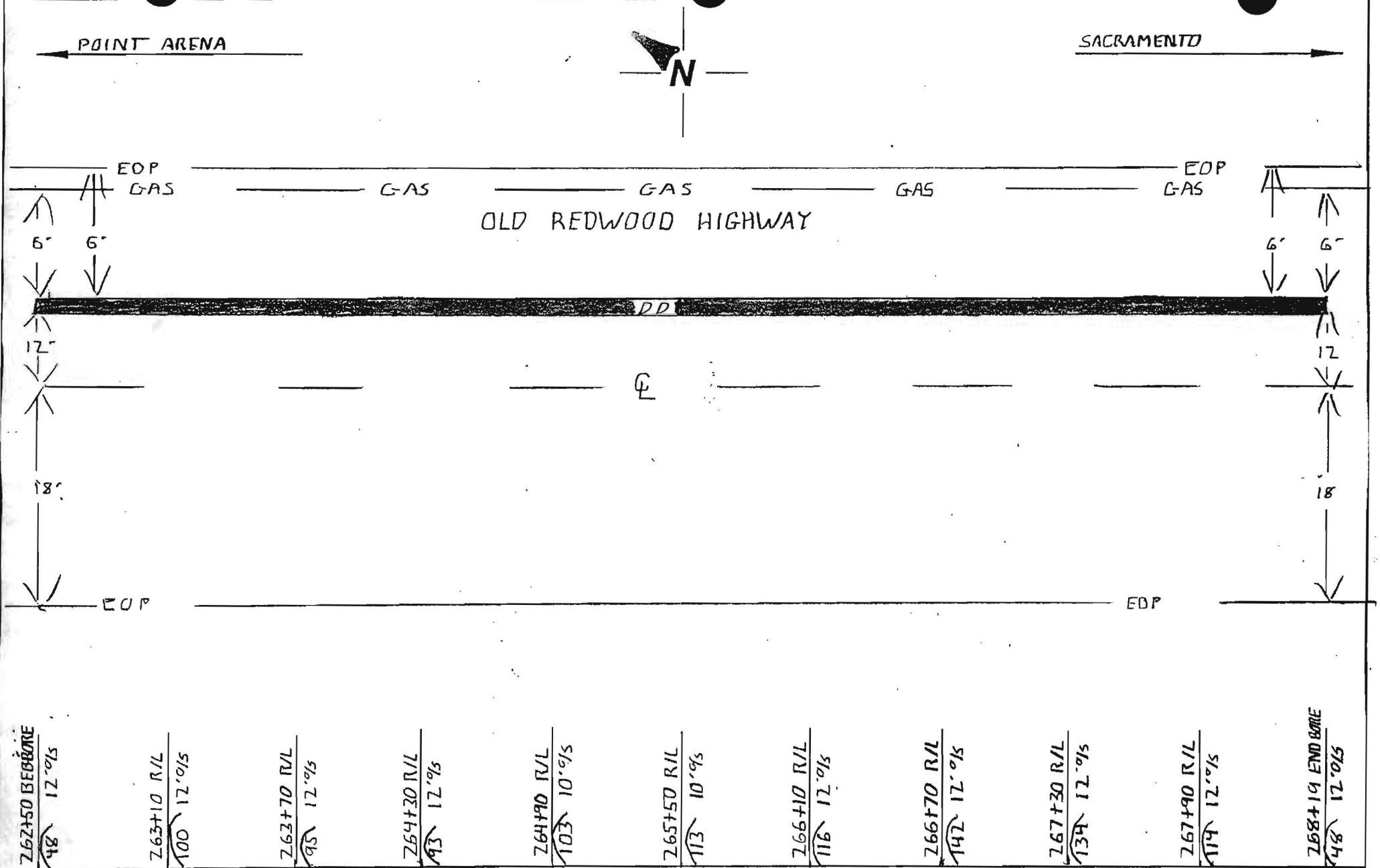
WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-3W-SPRD4

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE: 15-00	PROJECT: 4875	DWG/ALIGNMENT SHEET #: 2W - 3W	SPREAD #:



NOTES: TOTAL FOOTAGE - 569'

COUNTY: SONOMA

CONTRACTOR: TIDWELL

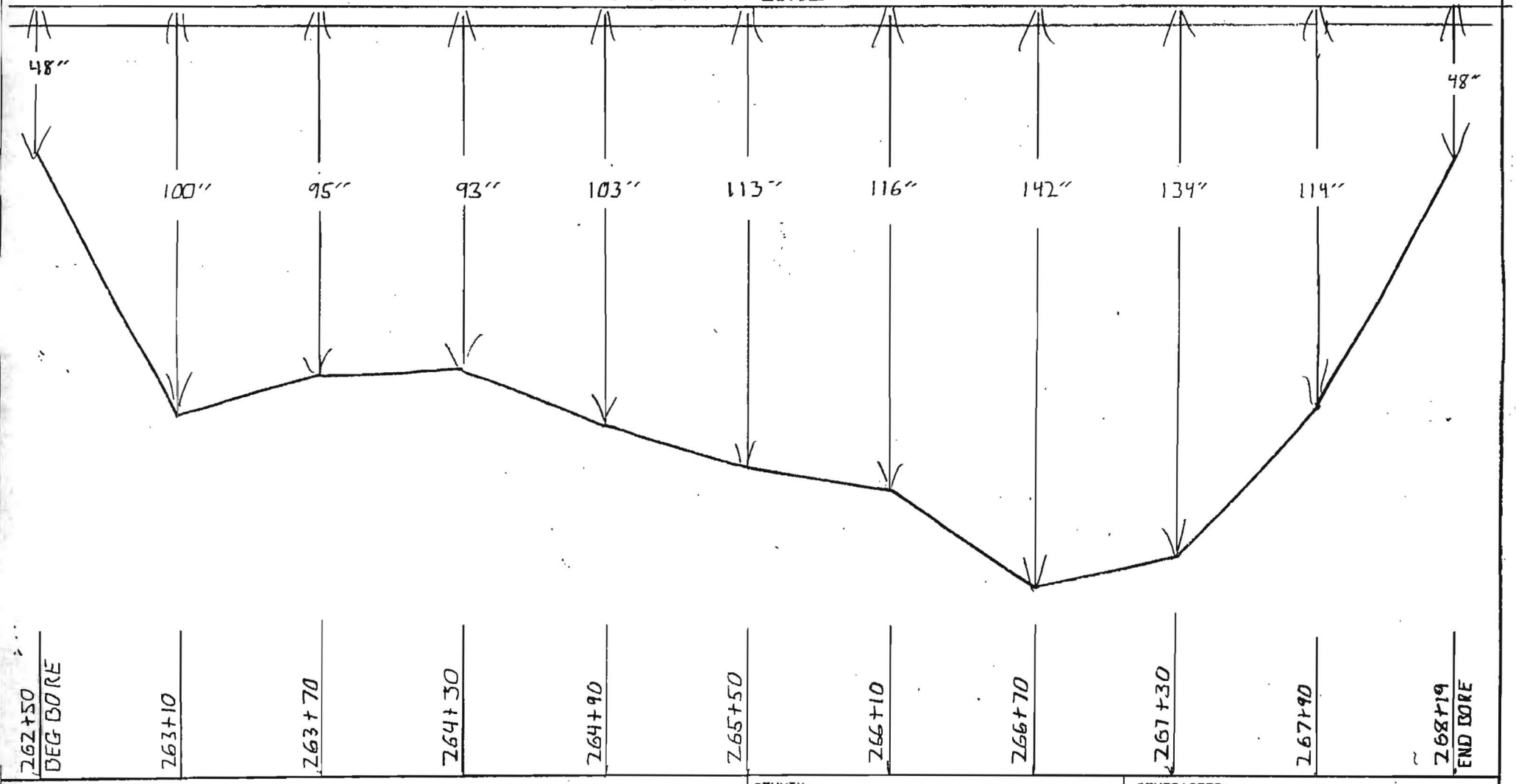
DUCT CONFIGURATION: (2) 1.5" (1) 1.25" HDPE

INSPECTOR: TODD HEIDRICK

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE:	PROJECT:	DWG/ALIGNMENT SHEET #	SPREAD #
5-15-00	4875	2W-3W	

PT. ARENA ← — N — → SAC



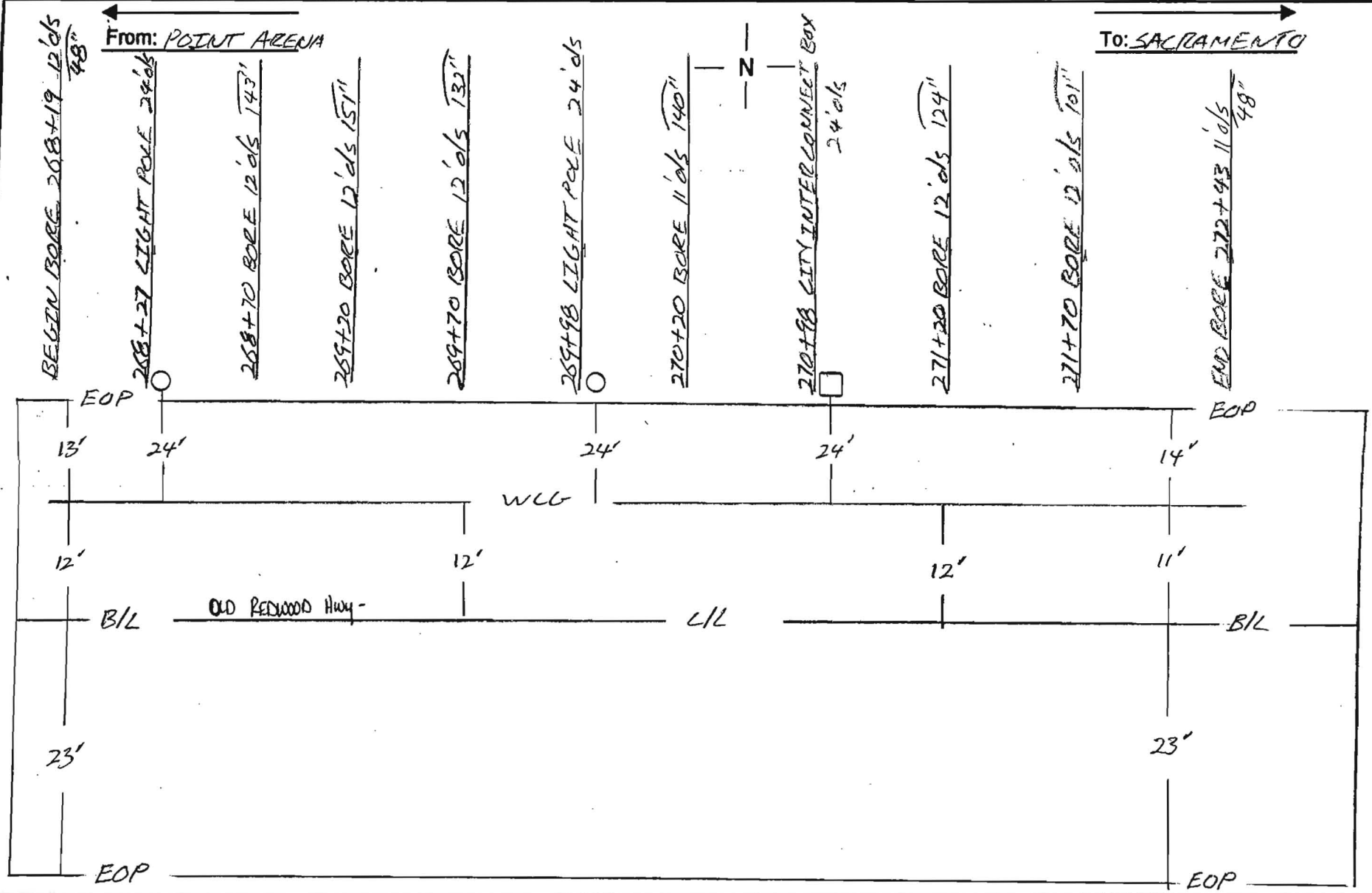
NOTES:

COUNTY:	CONTRACTOR:
SONOMA	TIDWELL
DUCT CONFIGURATION:	INSPECTOR:
(2) 1.5" (1) 1.25" HDPE	TODD HEIDRICK

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[redacted]-00
Page No. [redacted]
Drawing #: SARC-3W, 4W



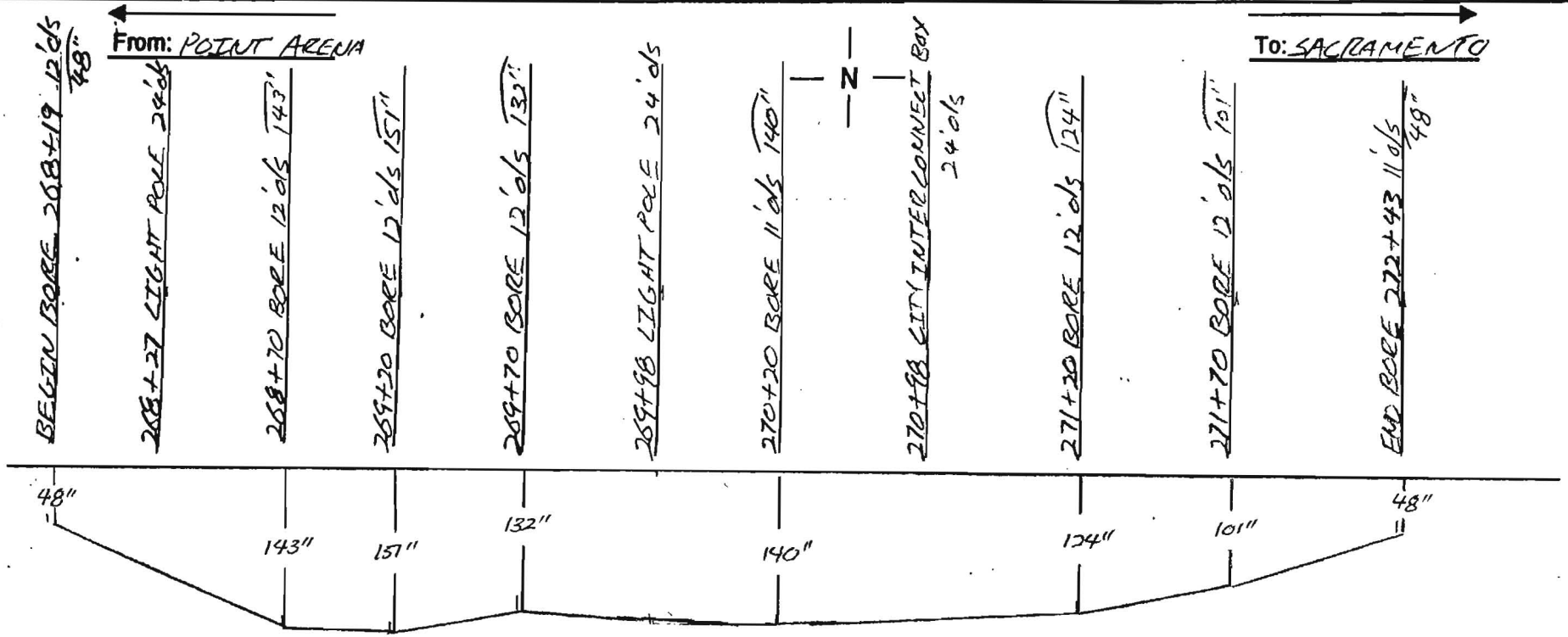
Notes:	**County:** SONOMA	**Contractor:** TIDWELL
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	**Inspector:** ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: SONOMA COUNTY
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]-00
Page No. [illegible]
Drawing #: SARC -3W, 4W

From: POINT ARENA → To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

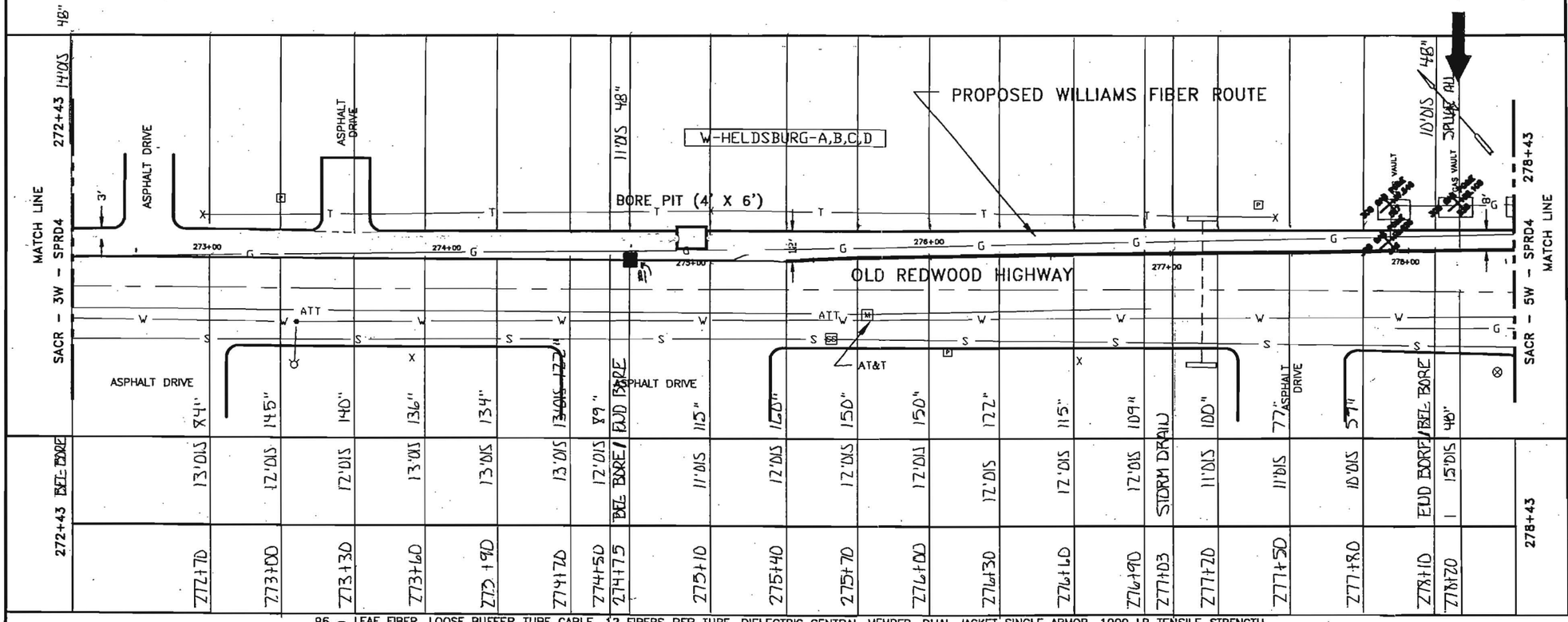
272+75 5' LT. DRIVEWAY
272+97 9' LT. TELE. POLE
273+14 59' RT. FIRE HYDRANT
273+15 35' RT. WATER METER
273+58 4' LT. DRIVEWAY
274+02 MANHOLE
ERIC BALLING 12.17.00
274+90 45' RT. DRIVEWAY
274+96 PLACE HANDHOLE
275+08 12' LT. TELE. POLE
275+58 39' RT. SEWER MH
275+73 31' RT. AT&T MH
276+62 56' RT. POWER POLE
277+13 51' RT. HEADWALL
277+13 9' LT. HEADWALL
277+13 CULVERT
277+33 POWER LINE
277+43 9' LT. TELE. POLE
277+50 48' RT. DRIVEWAY
277+91 18' LT. GAS METER
277+91 8' RT. GAS METER
278+22 20' LT. GAS METER
278+37 56' RT. SIGNAL POLE

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
1-1.5" BLUE 1-1.25" BLACK 1-1.5" ORANGE

272+43
274+75
232'
2.11
2-1.5" HDPE
2-1.25" HDPE
ERIK BALLING
11.14.00
TIDWELL

IN BLACK 1.25" HDPE
GGA. TRACER WIRE
GLORIA TABOR
7-9-01

274+75
278+10
335'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
11-10-00
TIDWELL
277+03 STORM DRAIN

278+10
278+43
33'
2.11
2-1.5" HDPE
1-1.5" HDPE
ERIK BALLING
11.14.00
TIDWELL

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mar.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- DB Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OR Marker
- Fiber Marker
- Water Inlet

WILLIAMS
EMERGENCY NOTIFICATION NUMBER
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CAUTION
WILLIAMS LOCATE # FOR COUNTY, STATE
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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE	MW	10/20

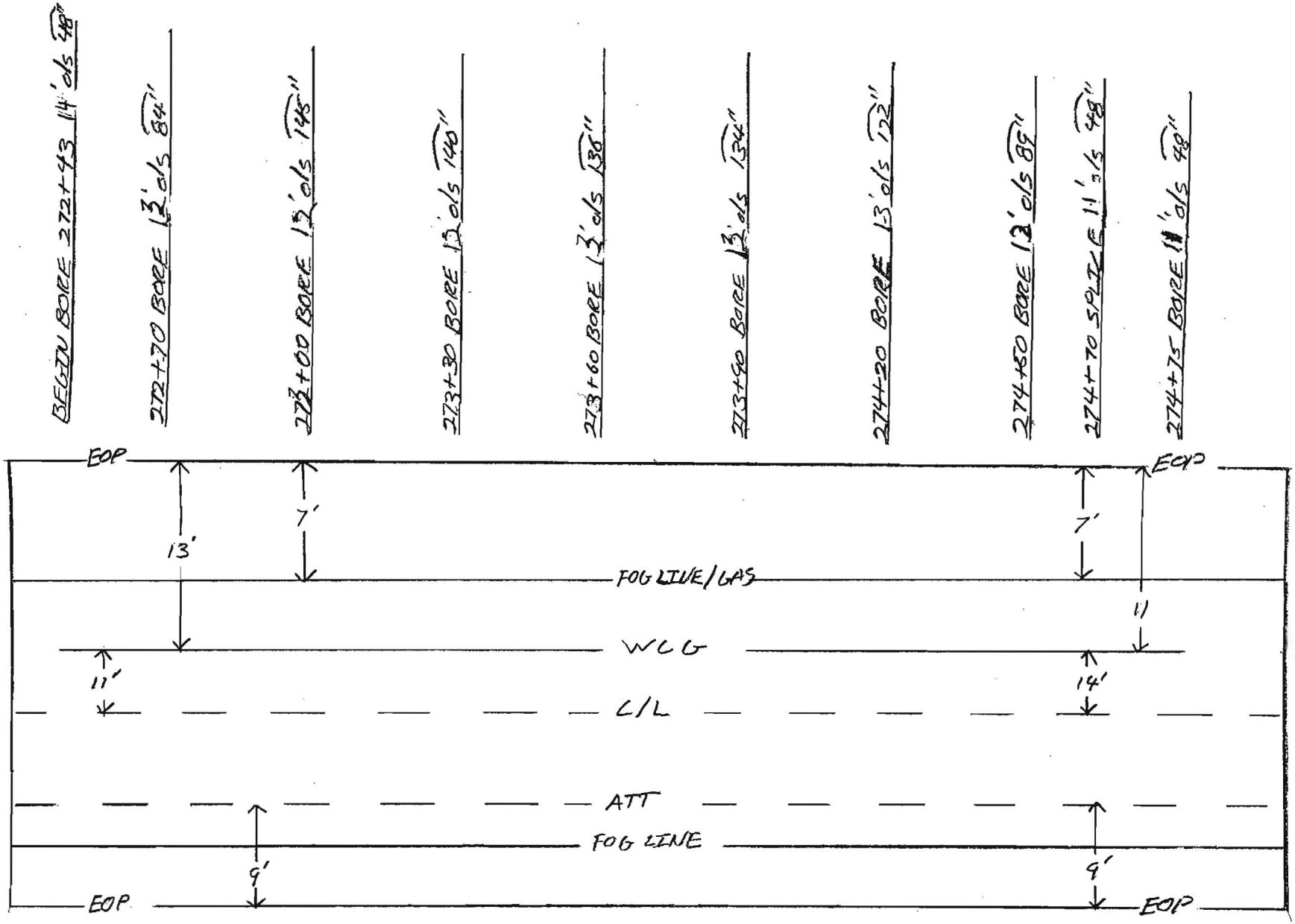
CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

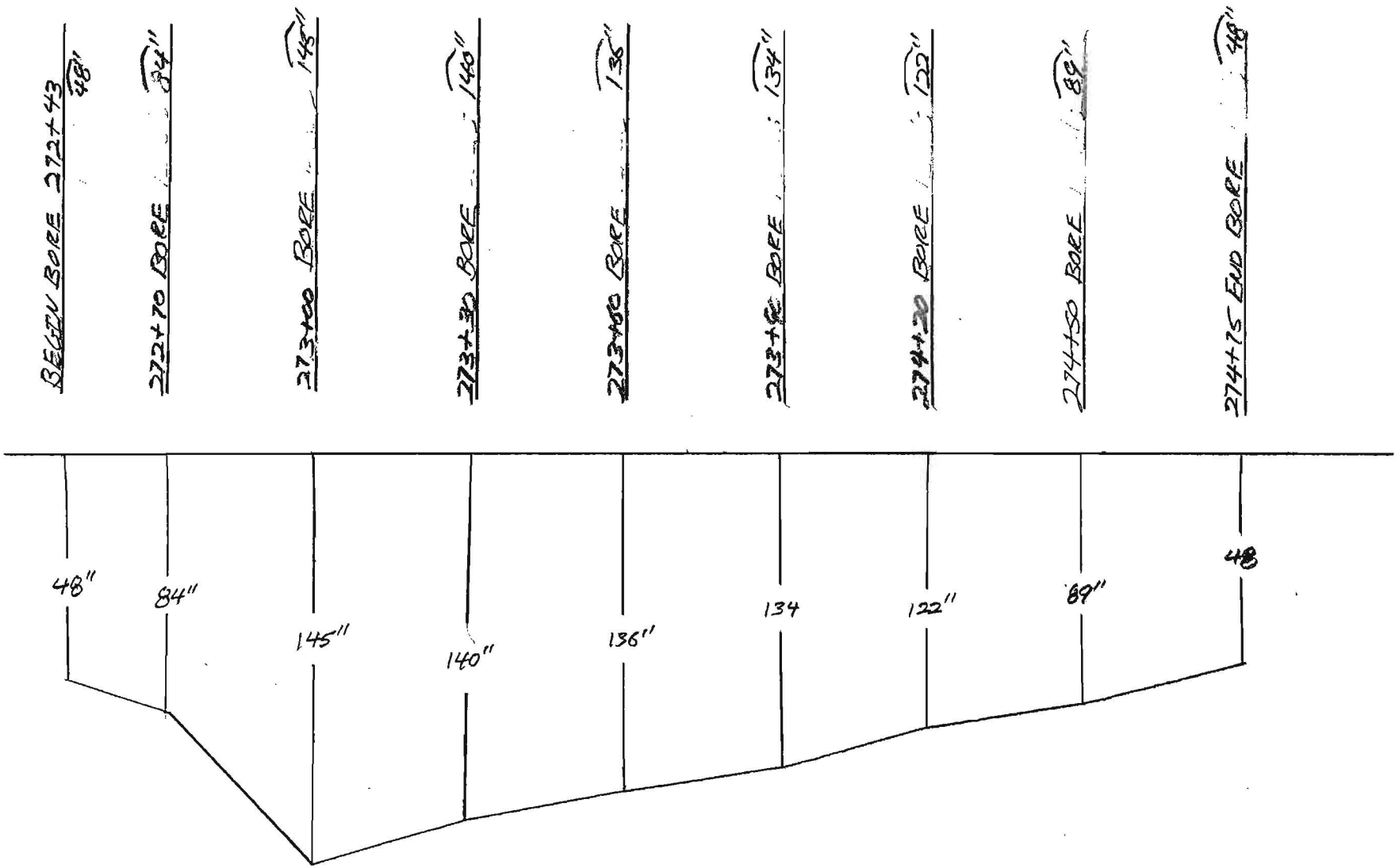
DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-4W-SPRD4

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
		11-14-00	4875	SARC-4W	4



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼" HDPE	INSPECTOR: ERIK BALLING

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
		11-14-00	4875	SARC-4W	4

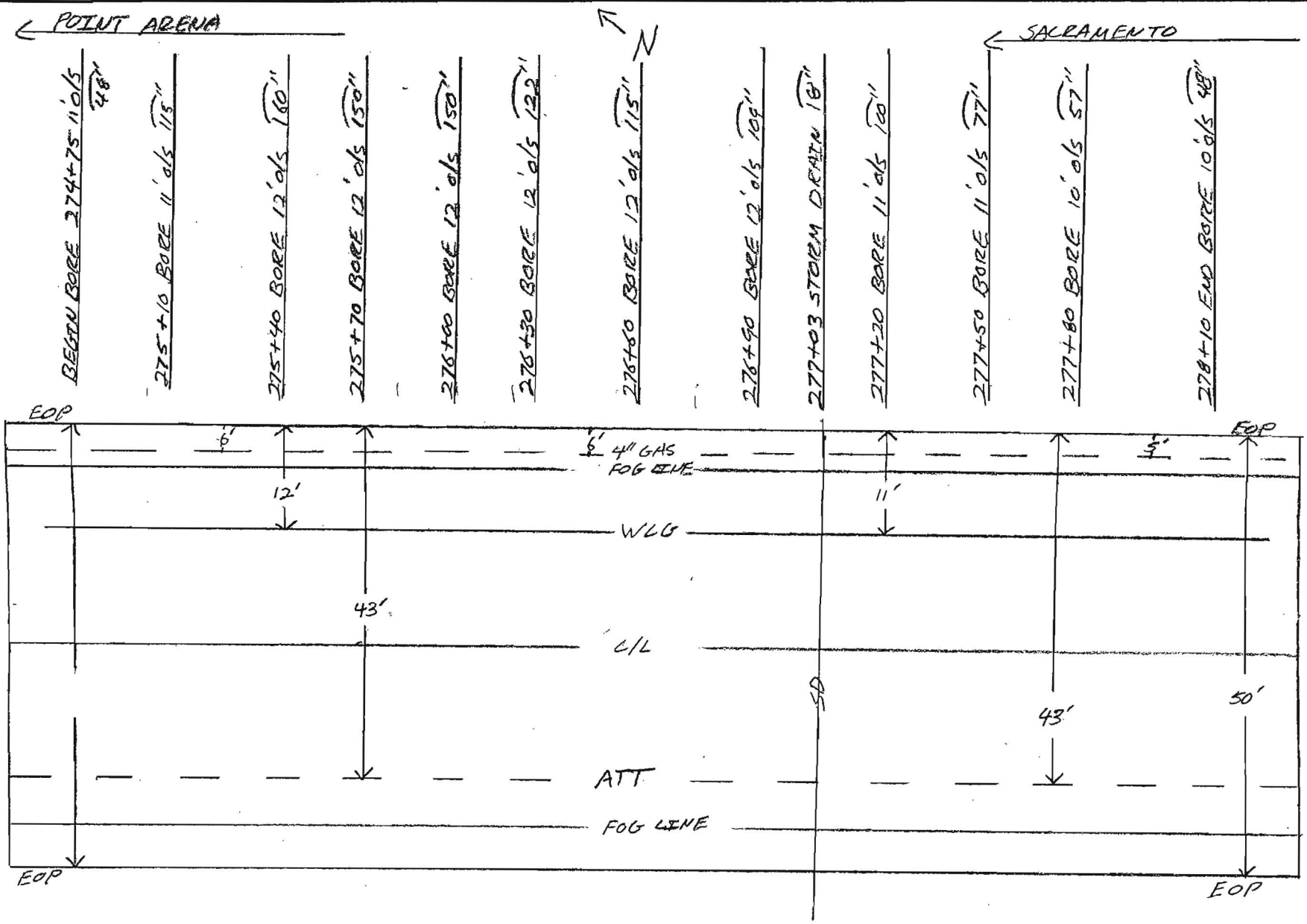


NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼" HDPE	INSPECTOR: ERIK BALLING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-10-00	4875	SARC-4W,5W	4

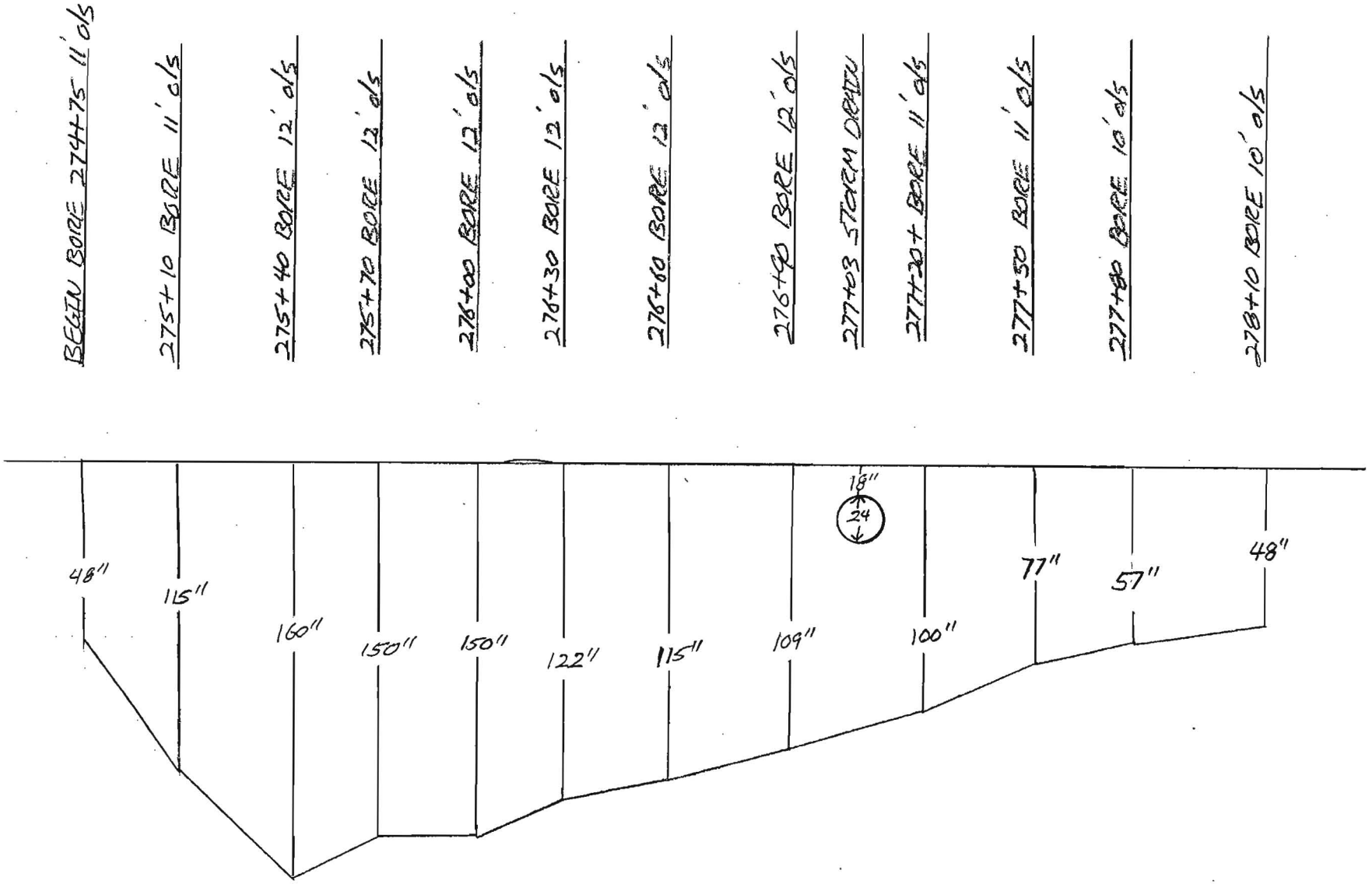


NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼" HDPE	INSPECTOR: ERIC BALLING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-10-00	4875	SARC 4W, 5W	4

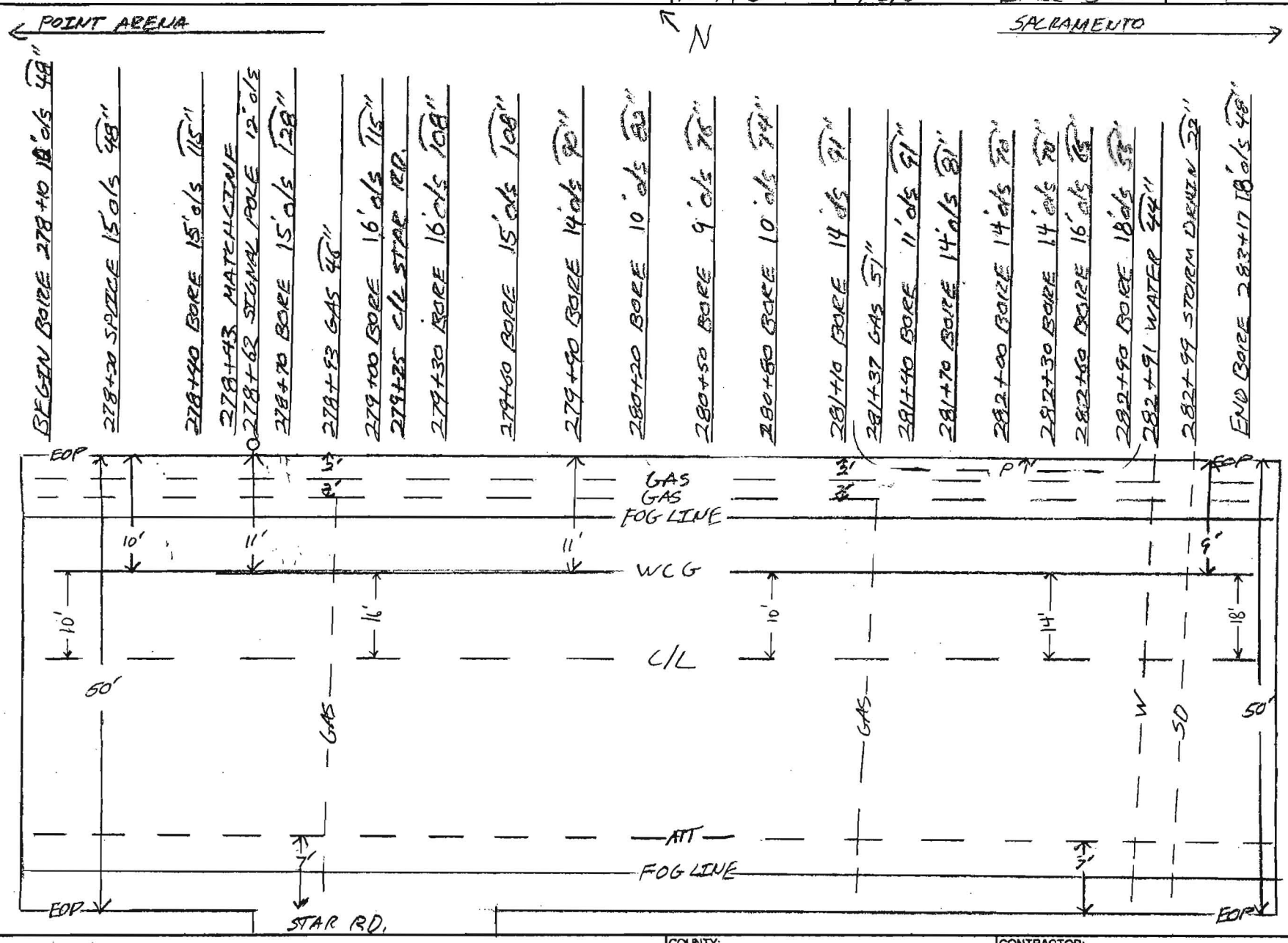


NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1- ORANGE 1 1/2", 1- BLUE 1 1/2" 1- BLACK 1 1/4" HDPE	INSPECTOR: ERIK RALLING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-14-00	4875	SARC-5W	4



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼" HDPE	INSPECTOR: ERIK BALLING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-14-00	4875	SAIL - 5W	4

BEGIN BORE 278+10

328+30 SPLICE

278+40 BORE

278+10 BORE

278+93 GAS 46"

279+20 BORE

279+30 BORE

279+40 BORE

279+90 BORE

280+20 BORE

280+50 BORE

280+80 BORE

281+10 BORE

281+37 GAS 51"

281+40 BORE

281+70 BORE

282+00 BORE

282+30 BORE

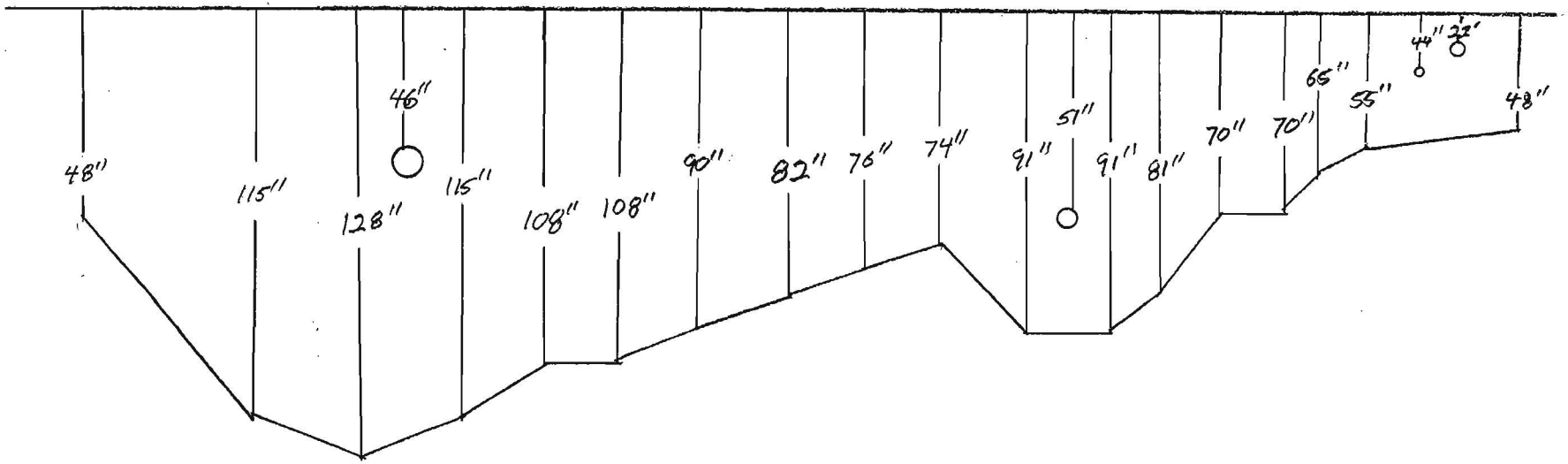
282+10 BORE

282+50 BORE

282+91 WATER 44"

282+95 STORM DRAIN 22"

END BORE 283+17



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1 1/2", 1-BLUE 1 1/2" 1-BLACK 1 1/4" HDPE	INSPECTOR: ERIK BALLING

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

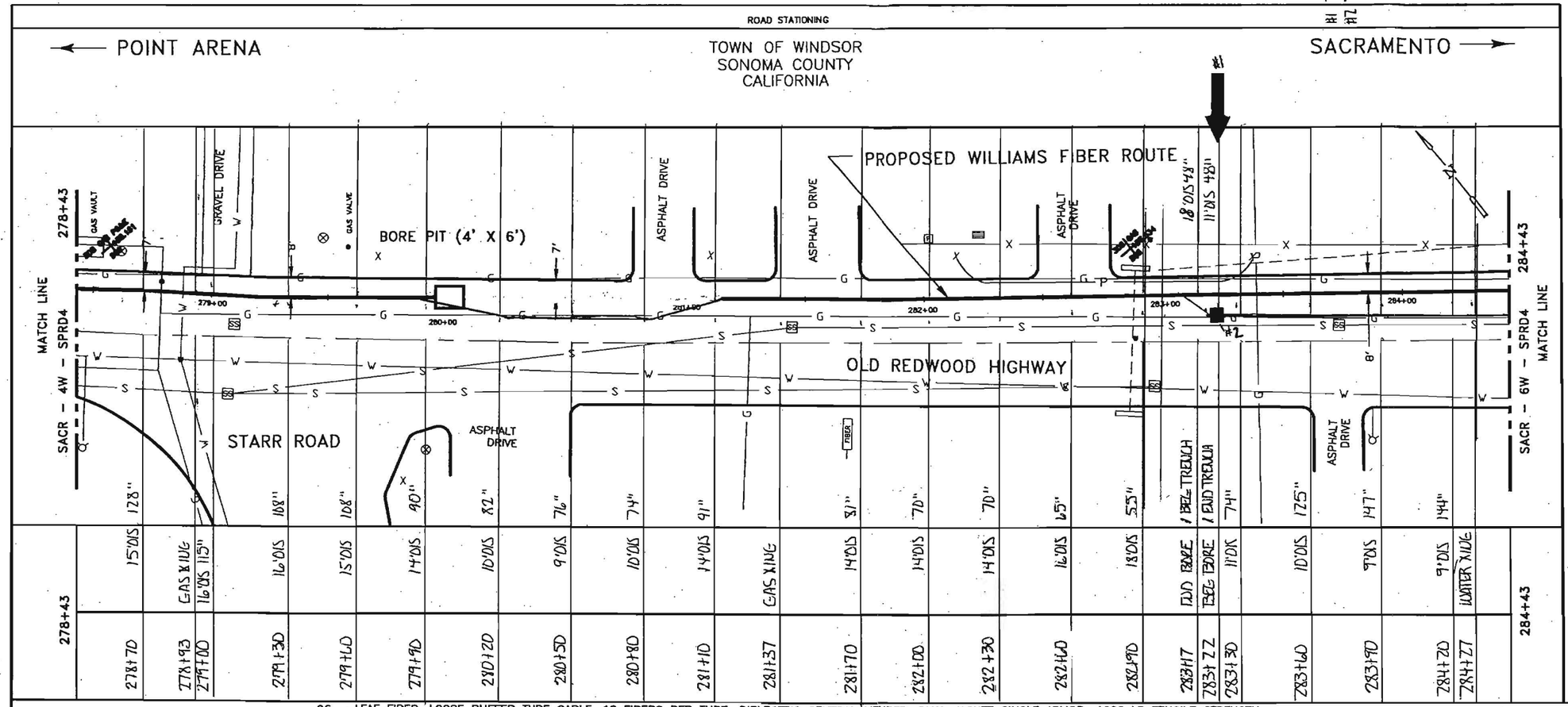
278+59 21' LT. GAS METER
278+62 11' LT. SIGNAL POLE
278+88 WATER LINE
278+89 32' RT. WATER METER
279+04 4' LT. DRIVEWAY
279+08 46' RT. SEWER MH
279+09 POWER LINE
279+15 17' RT. SEWER MH
279+25 50' RT. STARR RD.
279+47 20' LT. SIGNAL POLE
279+71 12' LT. POWER POLE
279+72 POWER LINE
279+90 68' RT. SIGNAL POLE
280+26 51' RT. DRIVEWAY
280+90 4' LT. DRIVEWAY
281+10 13' LT. POWER POLE
281+44 17' RT. SEWER MH
281+54 4' LT. DRIVEWAY
281+90 18' LT. FENCE CORNER
282+12 12' LT. POWER POLE
282+22 21' LT. DRAIN INLET
282+62 4' LT. DRIVEWAY
282+83 17' LT. GAS METER
282+84 53' RT. HEADWALL
282+87 23' RT. WATER METER
282+87 CULVERT
282+88 7' LT. HEADWALL
282+94 18' LT. WATER METER
282+94 43' RT. SEWER MH
283+37 10' LT. POWER POLE
283+49 65' RT. FIRE HYDRANT
283+71 54' RT. DRIVEWAY
283+71 D SPLICE ALL
ERIK BALLING 12-21-00
HH #2

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

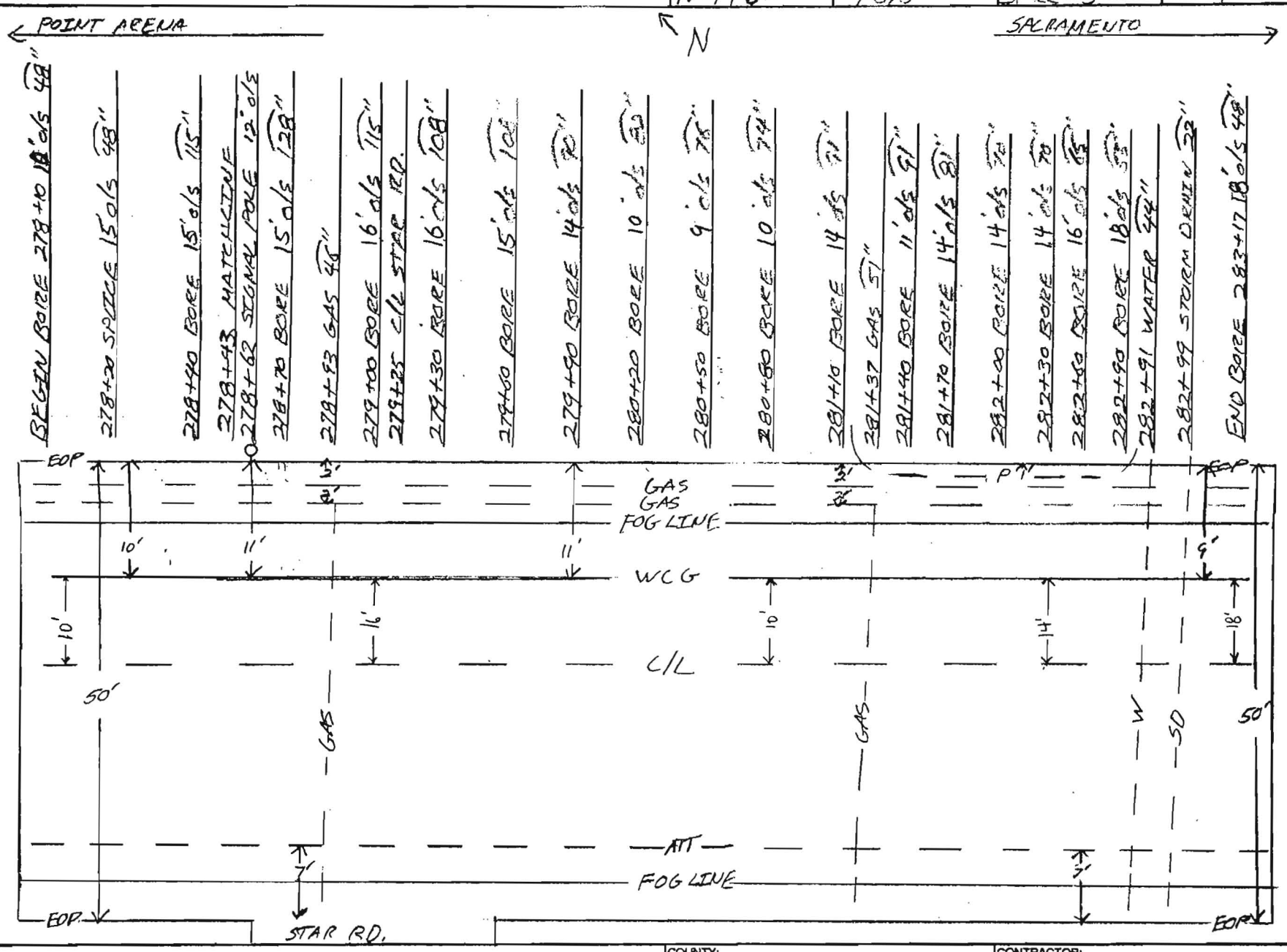
SACRAMENTO →


PROPOSED WILLIAMS FIBER ROUTE
#1
#2
18°05'42" 1124.51'
BORE PIT (4' X 6')
GAS VAULT
GAS VALVE
GRAVEL DRIVE
ASPHALT DRIVE
ASPHALT DRIVE
ASPHALT DRIVE
OLD REDWOOD HIGHWAY
STARR ROAD
ASPHALT DRIVE
MATCH LINE
SACR – 4W – SPRD4
MATCH LINE
SACR – 6W – SPRD4
278+00
279+00
280+00
281+00
282+00
283+00
284+00
278+43
284+43
128"
108"
108"
90"
82"
76"
74"
91"
81"
70"
70"
65"
55"
74"
125"
147"
144"
15'DIS
CAS X ING
16'DIS 115"
16'DIS
15'DIS
14'DIS
10'DIS
9'DIS
10'DIS
14'DIS
CAS X ING
14'DIS
14'DIS
14'DIS
16'DIS
18'DIS
FIBER
FIBER
FIBER

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-14-00	4875	SFRC-5W	4



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1½", 1-BLUE 1½" BLACK 1¼" HOPE	INSPECTOR: ERIK BALLING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-19-20	4875	SAR2 - 5W	4

BEGIN BORE 278+10

278+20 SPLICE

278+40 BORE

278+70 BORE

278+93 GAS 48"

279+20 BORE

279+30 BORE

279+60 BORE

279+90 BORE

280+20 BORE

280+50 BORE

280+80 BORE

281+10 BORE

281+37 GAS 52"

281+40 BORE

281+70 BORE

282 TOO BORE

282+30 BORE

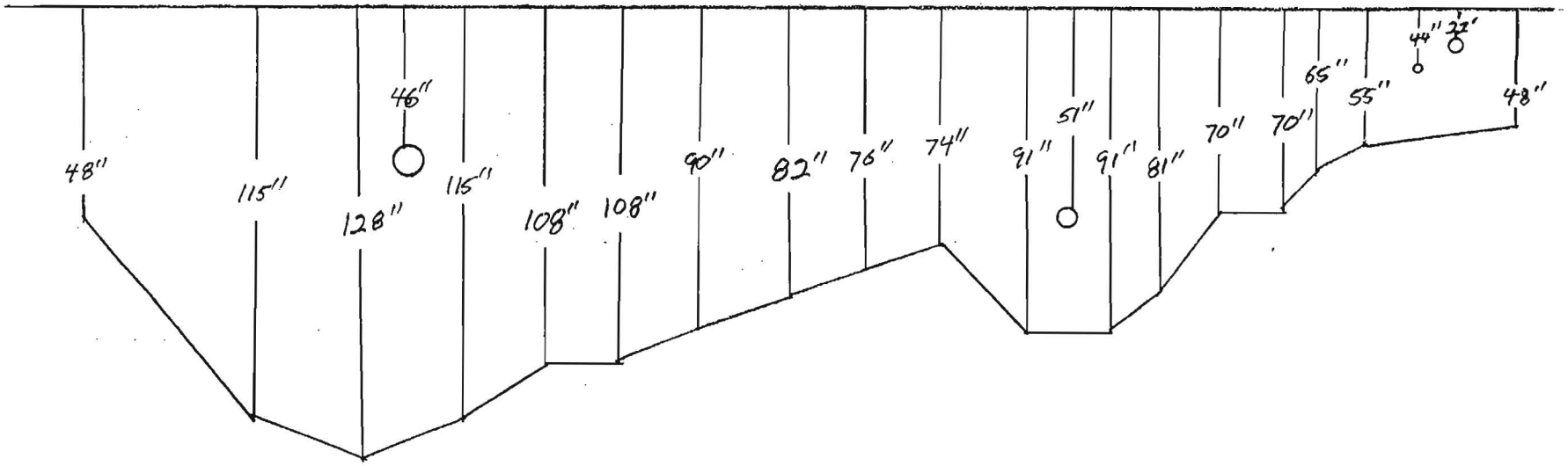
282+40 BORE

282+90 BORE

282+91 WATER 44"

282+99 STORM DRAIN 22"

END BORE 283+17



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1 ORANGE 1 1/2", 1 BLUE 1 1/2 1 BLACK 1 1/4" HDPE	INSPECTOR: ERIK BALLING

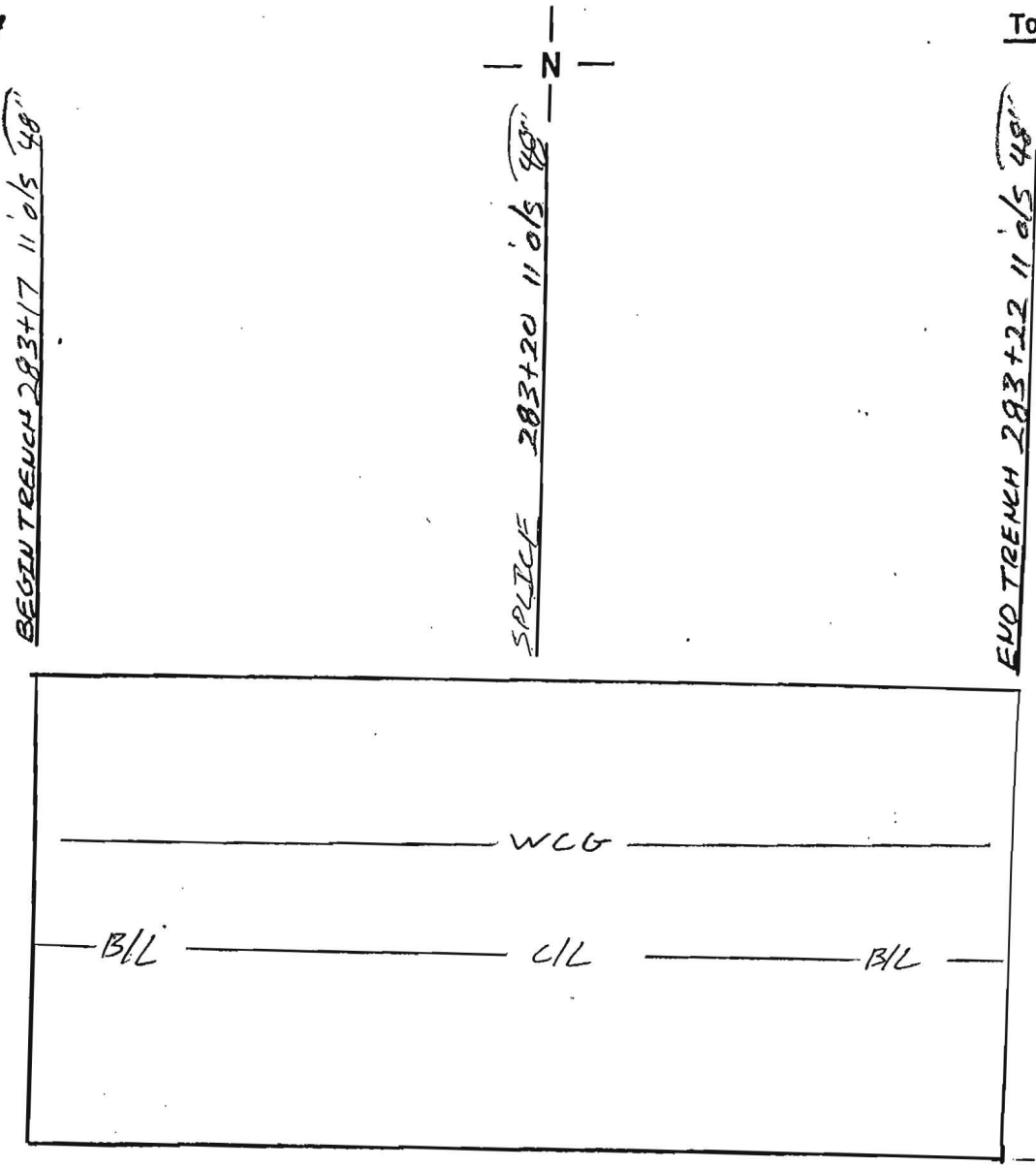
Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154,11

Date: 12-21-00
Page No. 1 (illegible)
Drawing #: SHRL-5W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

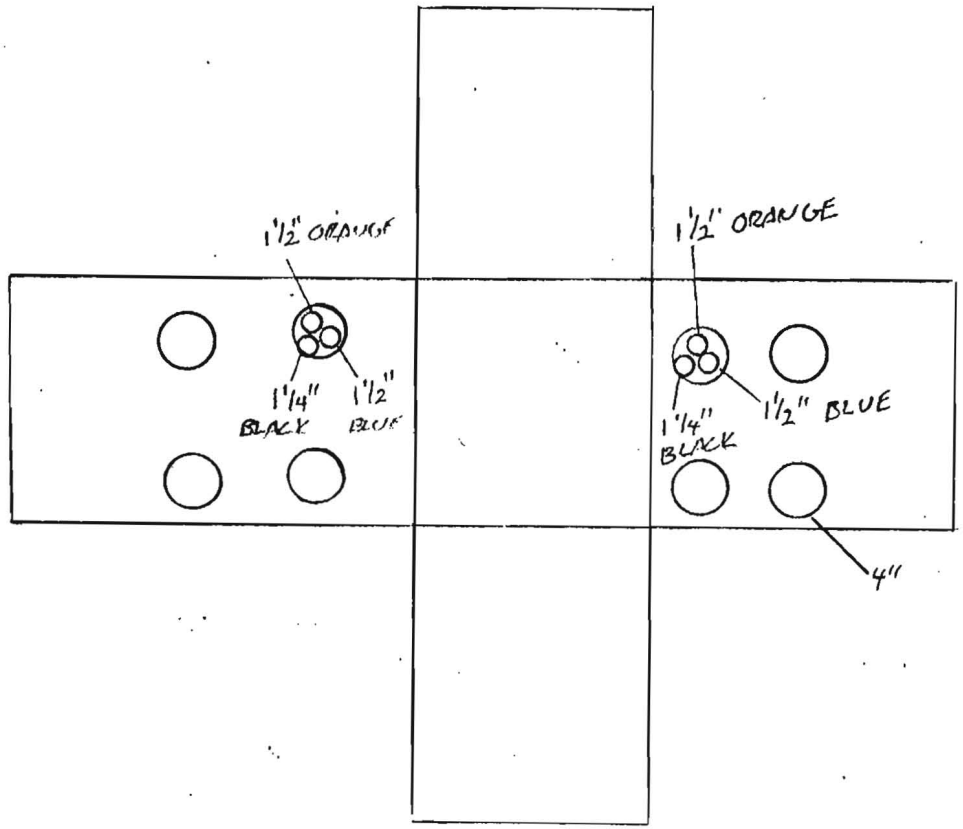
Duct Configuration: 1-ORANGE 1 1/2" 1-RUST 1 1/2", 1-BLACK 1 1/4"

Inspector: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:		
2-21-00	4875	SARC-SW	UA

POINT ARENA ← N → SACRAMENTO



283+20

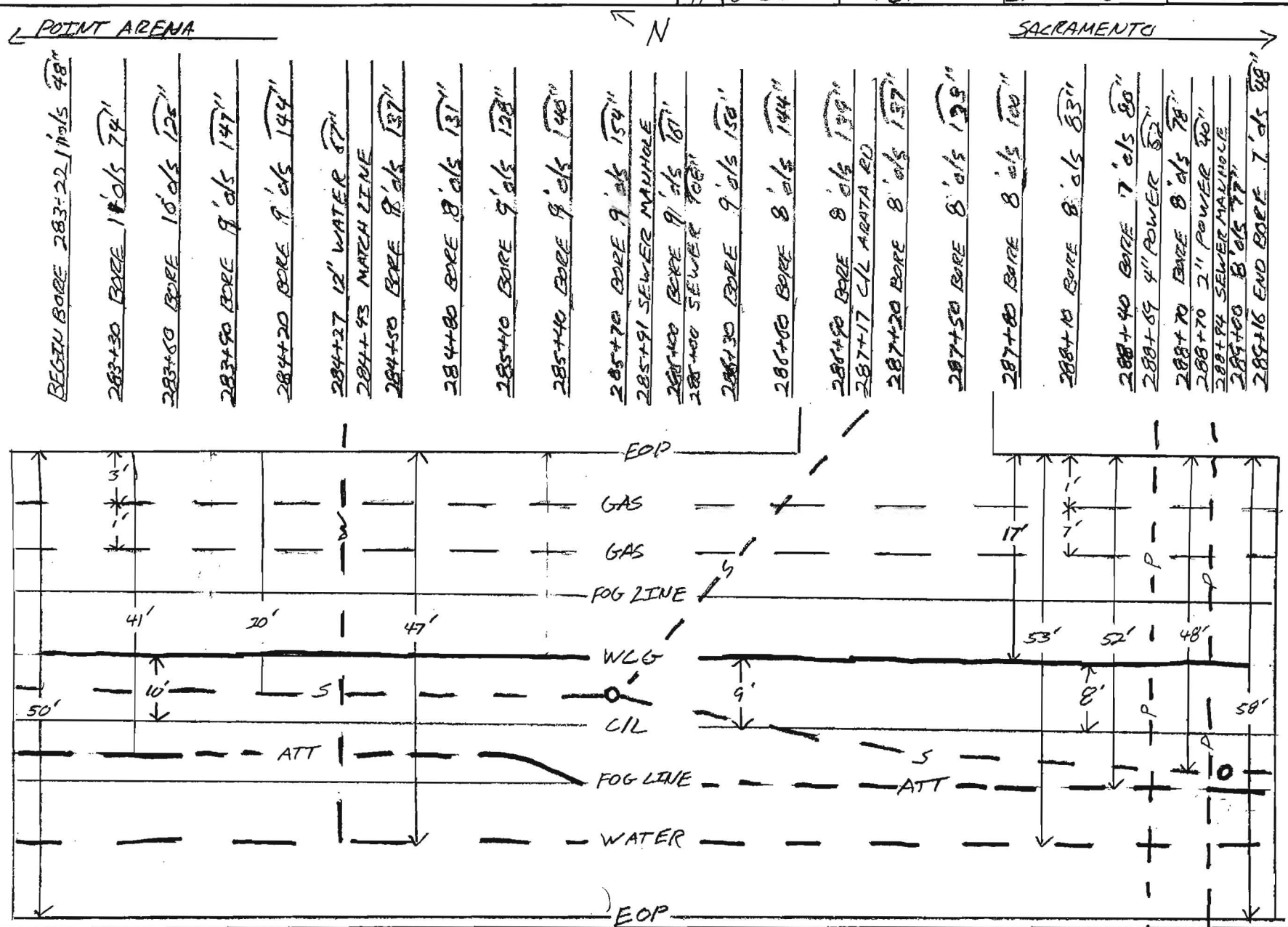
3

NOTES:	COUNTY:	CONTRACTOR: TIDWELL
	SONOMA	
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-16-00	4875	SACR-3W, 5W	4

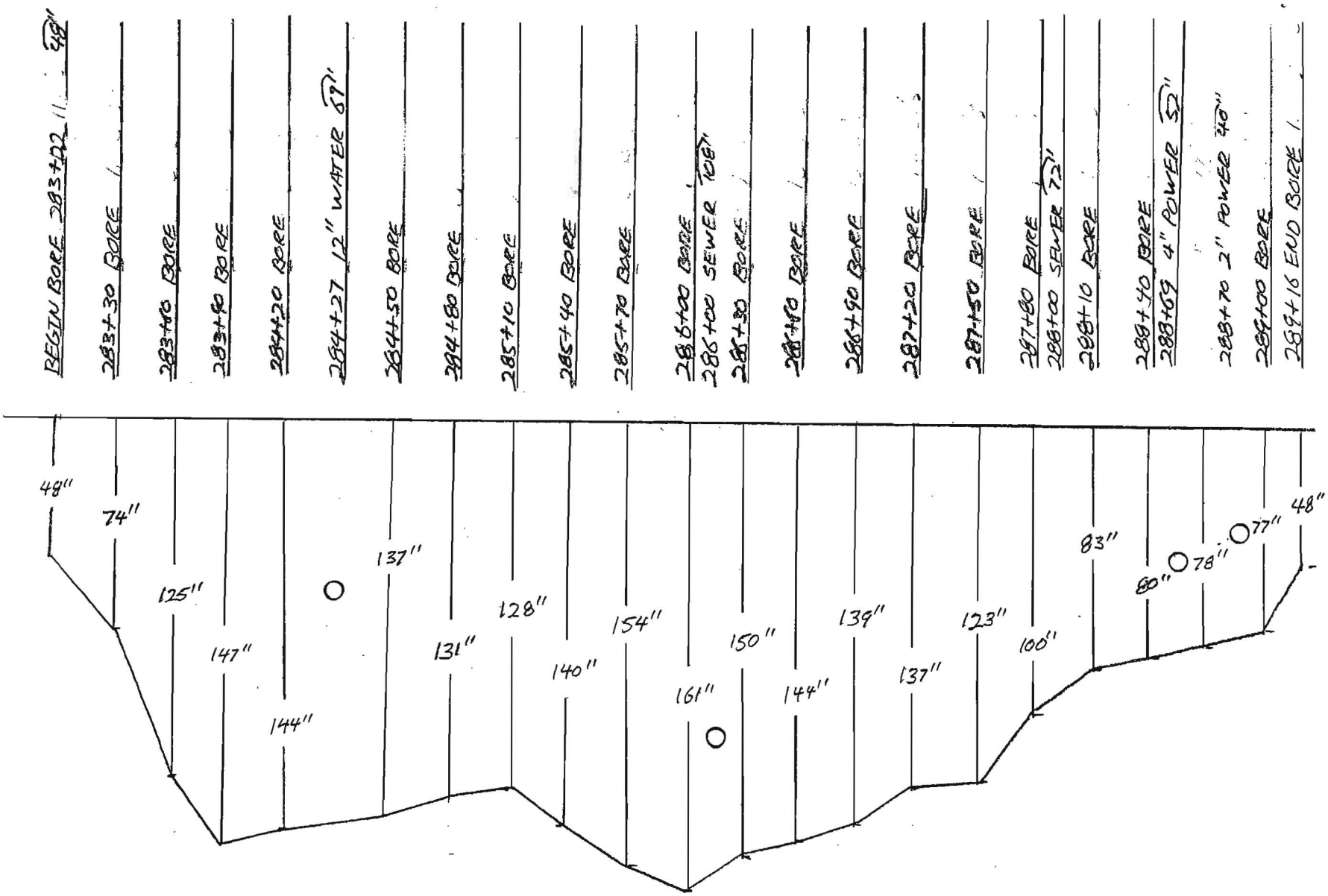


NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1½", 1-BLUE-1½ 1-BLACK 1¼" HOPE	INSPECTOR: ERIK BALING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-16-00	4875	SAR-5W, 6W	4



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼" HDPE	INSPECTOR: FRIV BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

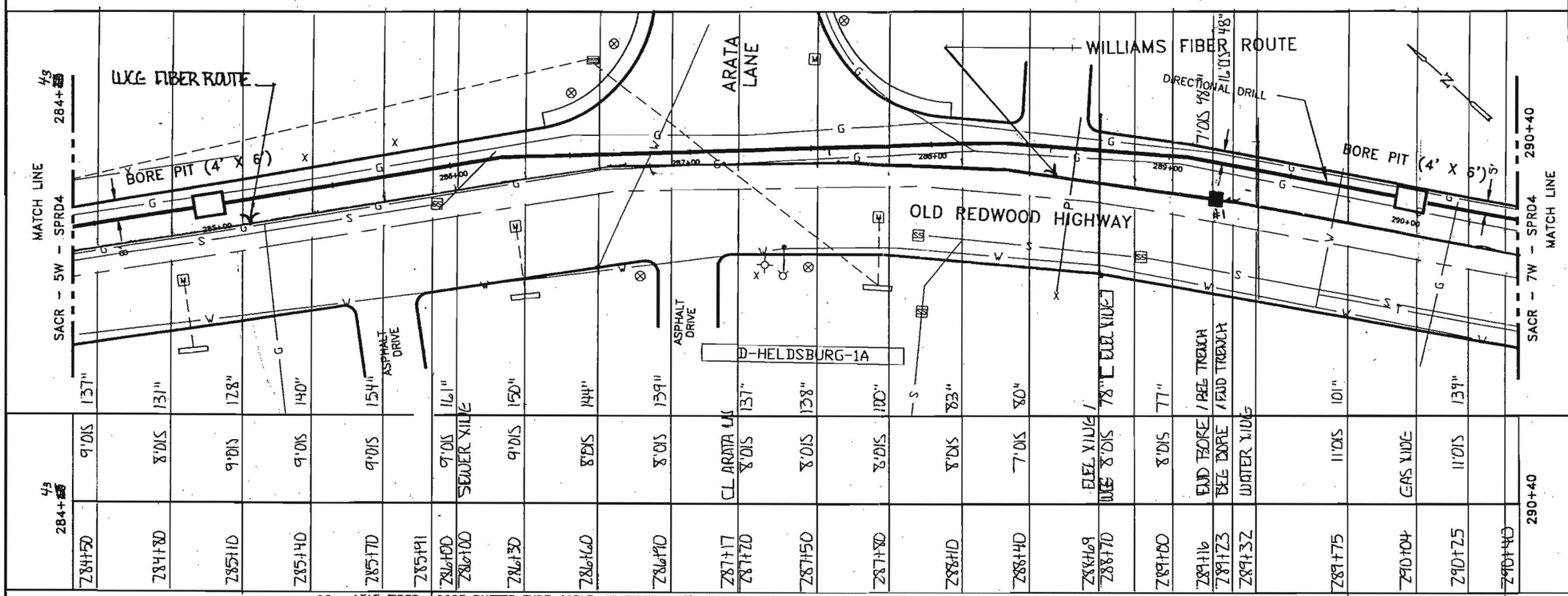
284+81 35' RT. MH
284+81 62' RT. HEADWALL
285+12 13' LT. FENCE CORNER
285+40 8' LT. POWER POLE
285+63 55' RT. DRIVEWAY
285+78 8' LT. POWER POLE
285+91 20' RT. SEWER MH
285+92 POWER LINE
286+27 34' RT. MH
286+29 62' RT. HEADWALL
286+51 21' LT. SIGNAL POLE
286+70 40' LT. SIGNAL POLE
286+77 56' RT. SIGNAL POLE
286+97 51' RT. DRIVEWAY
287+02 CULVERT
287+17 11' LT. ARATA LN.
287+21 66' RT. LIGHT POLE
287+25 57' RT. POWER POLE
287+34 68' RT. FIRE HYDRANT
287+47 53' RT. SIGNAL POLE
287+52 31' LT. MH
287+65 46' LT. SIGNAL POLE
287+75 62' RT. HEADWALL
287+77 35' RT. MH
288+60 64' RT. POWER POLE
288+94 44' RT. SEWER MH
Z89170 UCE MANHOLE
ERIK BALLUKE 12.21.00

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →

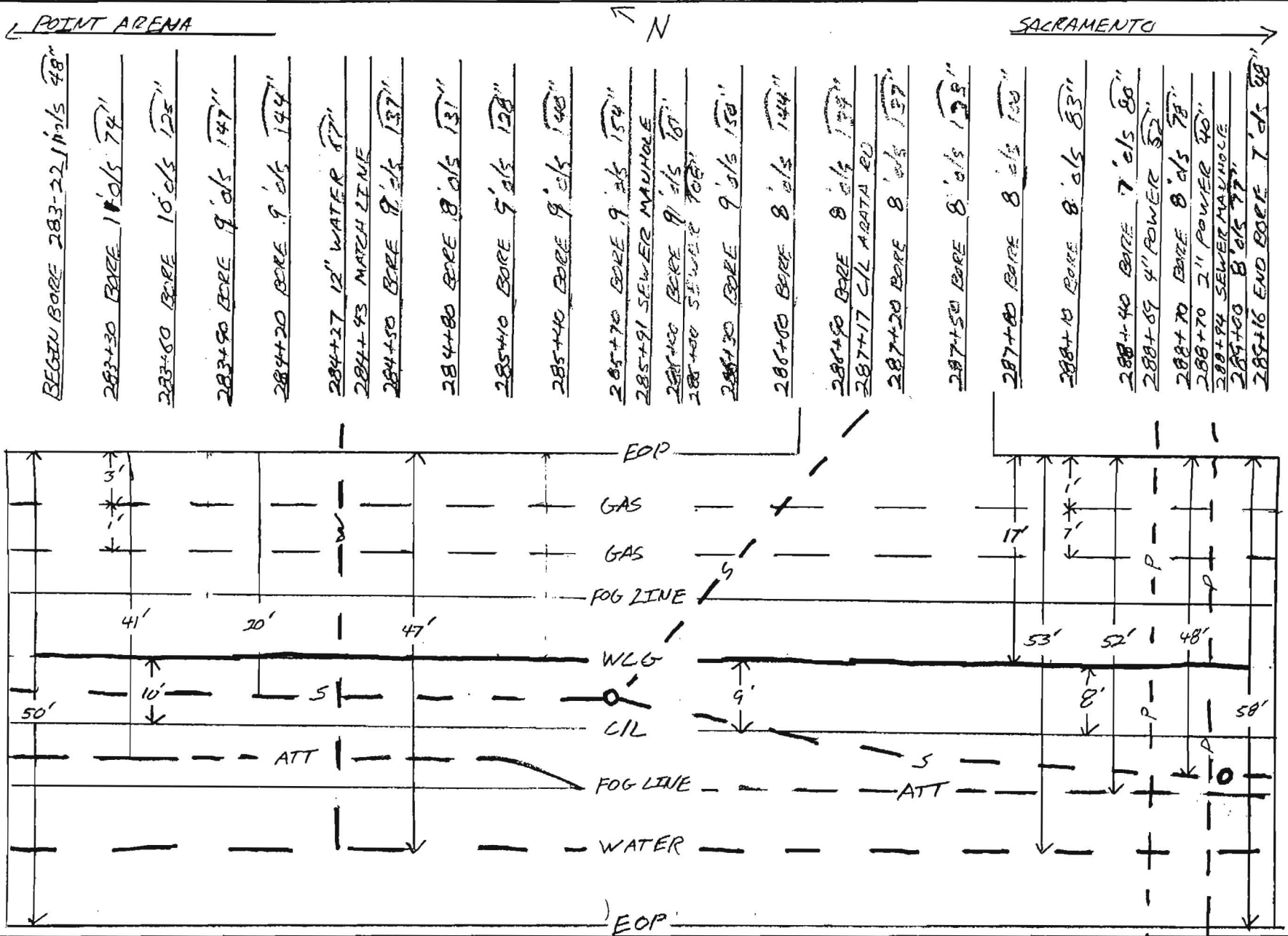


| | | |

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-16-00	4875	SAC12 - 5W - 6W	4



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 4" HDPE	INSPECTOR: ERIK BALLING

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	SPREAD #
11-16-00	4875	SAR-5W, 6W	4

BEGIN BORE 283+22 48"

283+30 BORE

283+40 BORE

283+50 BORE

284+20 BORE

284+27 12" WATER 67'

284+50 BORE

284+80 BORE

285+10 BORE

285+40 BORE

285+70 BORE

286+00 BORE 48"
286+00 SEWER 108'

286+30 BORE

286+40 BORE

286+60 BORE

287+20 BORE

287+50 BORE

287+80 BORE
288+00 SEWER 72'

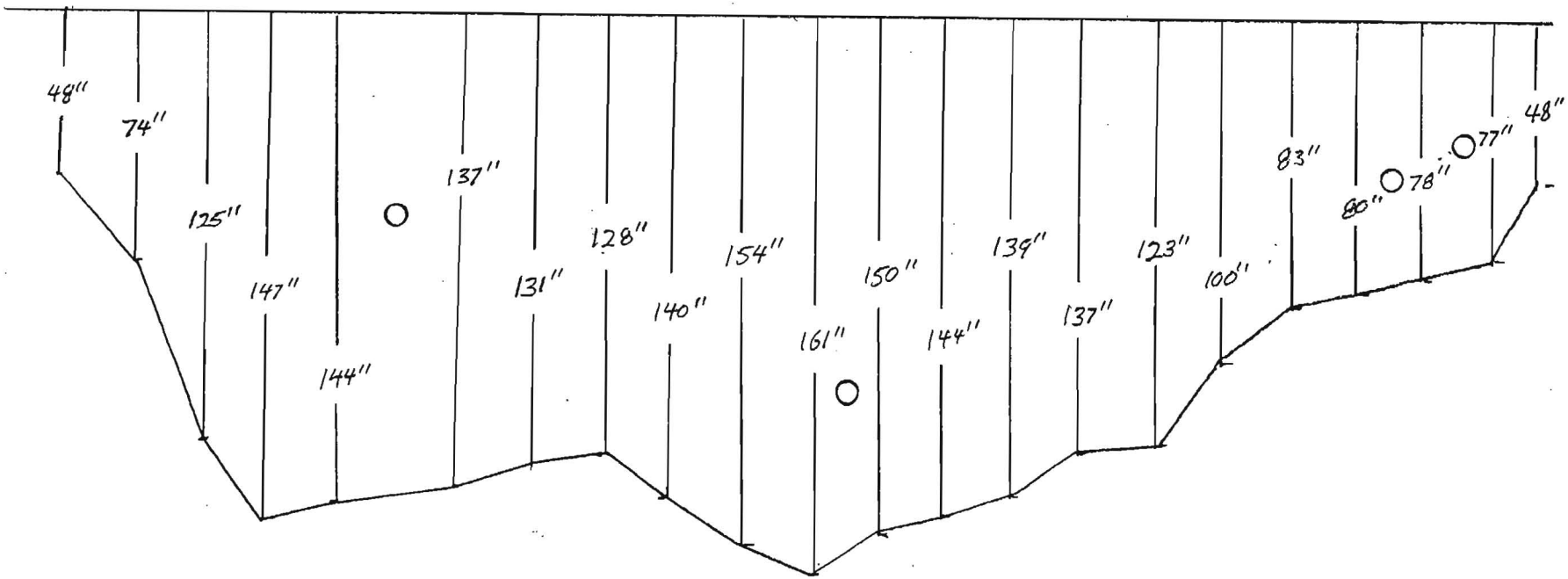
288+10 BORE

288+40 BORE
288+69 4" POWER 52'

288+70 2" POWER 42'

289+00 BORE

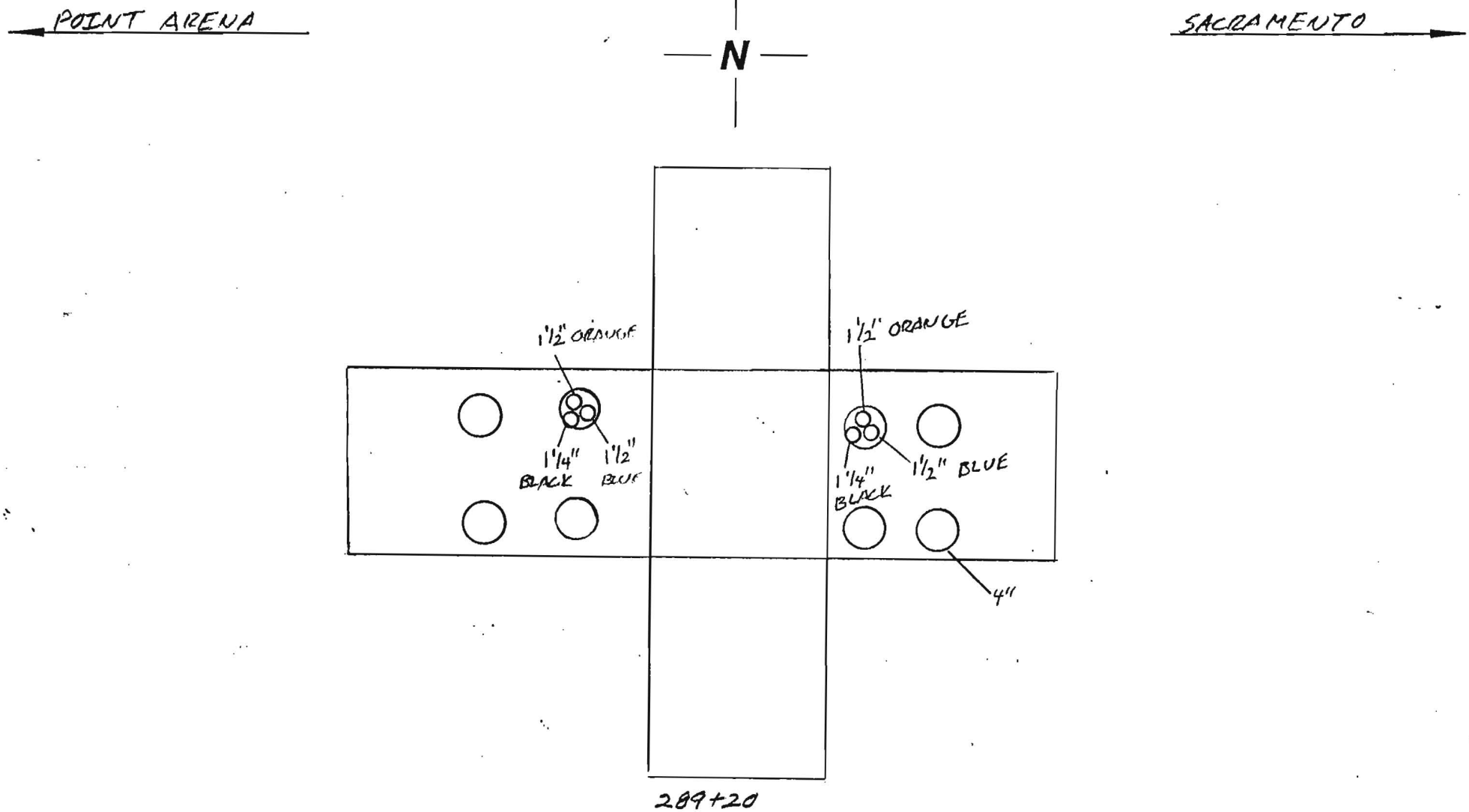
289+16 END BORE 48"



NOTES:	COUNTY:	CONTRACTOR:
	SONOMA	TIDWELL
	DUCT CONFIGURTION: 1-ORANGE 1½", 1-BLUE 1½" 1 BLACK 1¼" HDPE	INSPECTOR: FRIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET:	SPREAD:
[illegible]-21-00	4875	SARC-6W	[illegible]A



3

NOTES:	COUNTY: SONOMA	CONTRACTOR: TIDWELL
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING

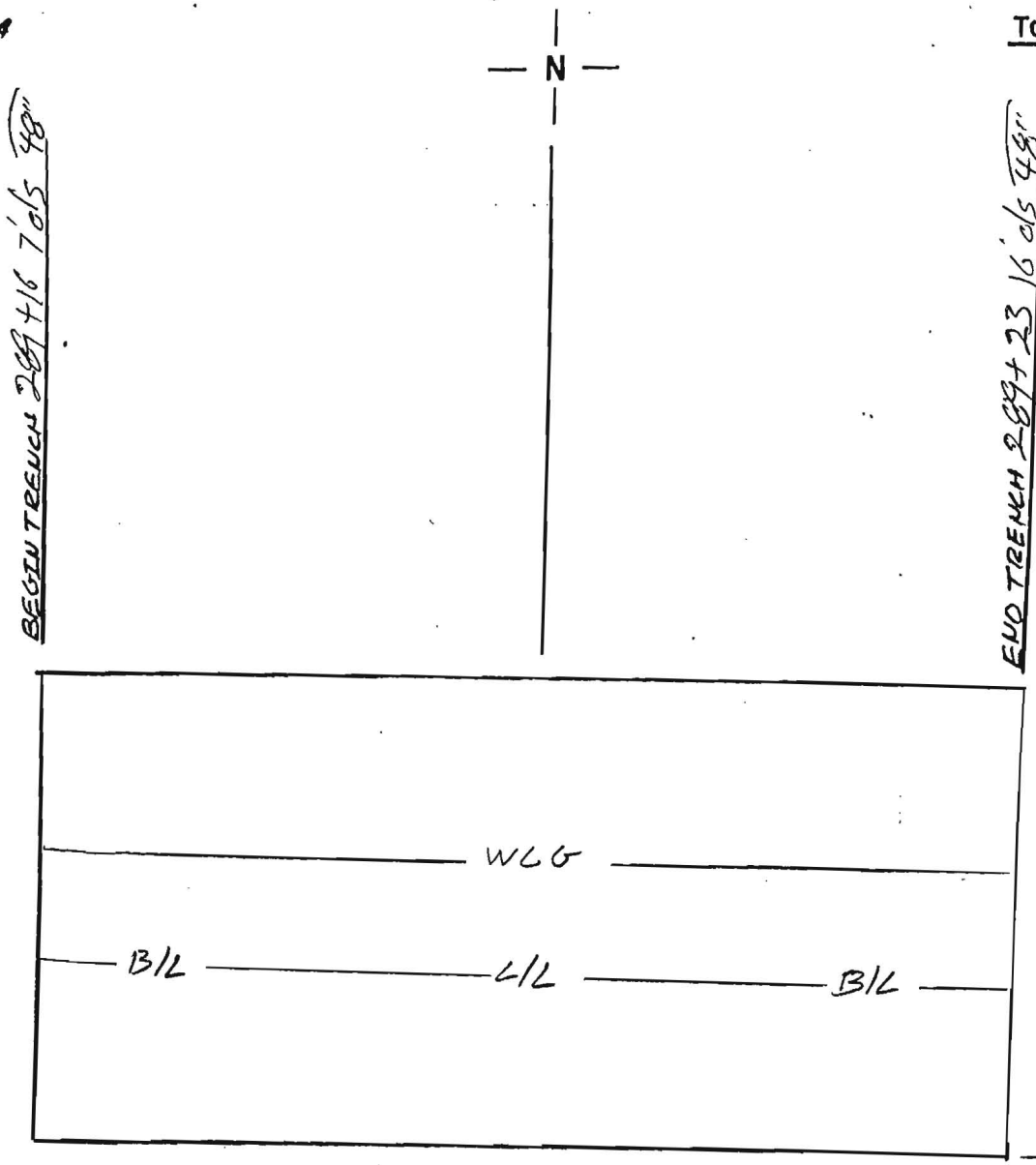
Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154.11

Date: 12-21-00
Page No. 1
Drawing #: SHRC-6W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½" 1-RUST 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

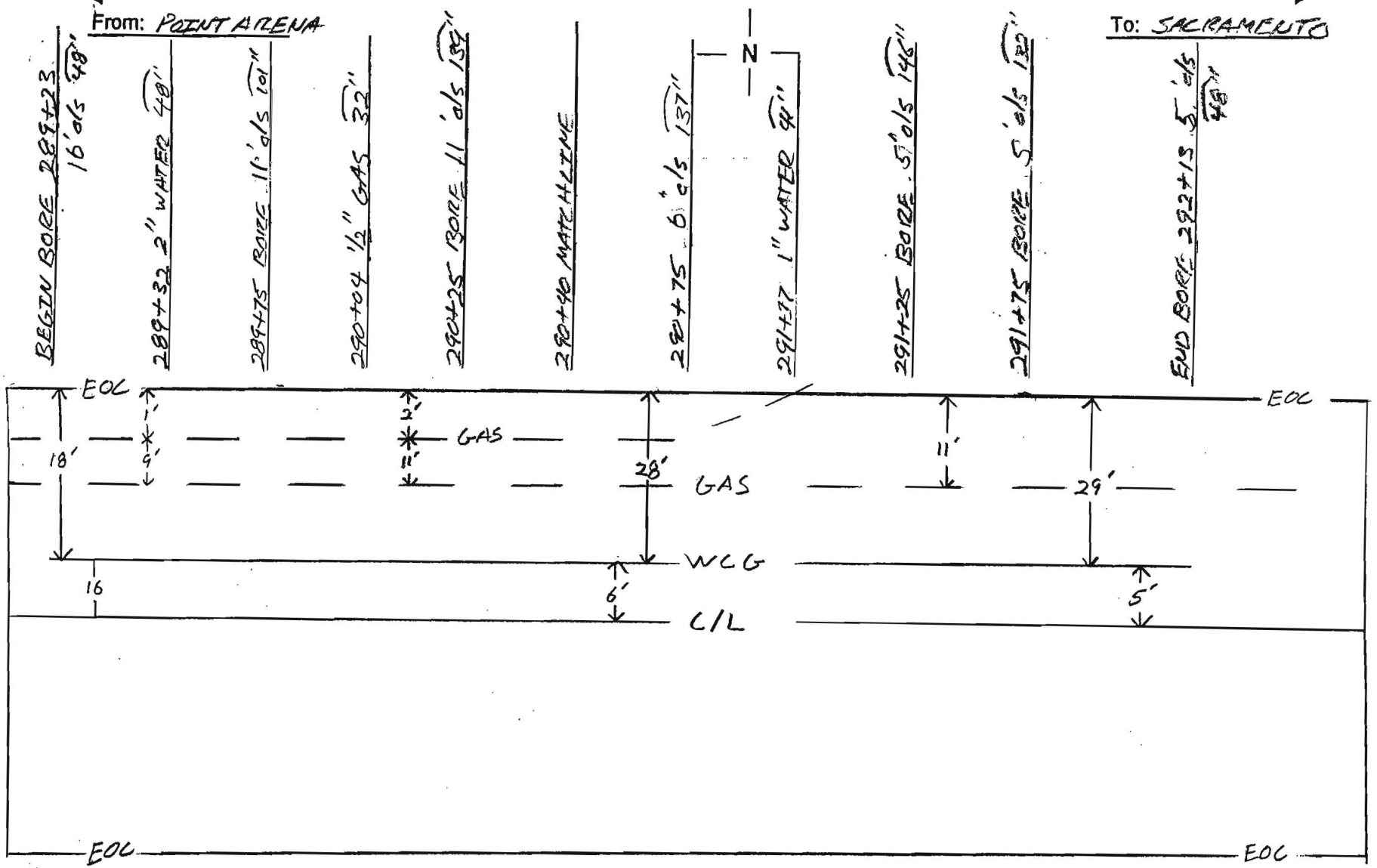
Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4
AFE No. 4875
Contract No. 99P154.11

Date: 11-17
Page No. 1 of 2
Drawing #: SARC-GW, TW

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1 1/2"
1-BLUE 1"6", 1-BLACK 1"4"

Inspector: ERIK BALLING

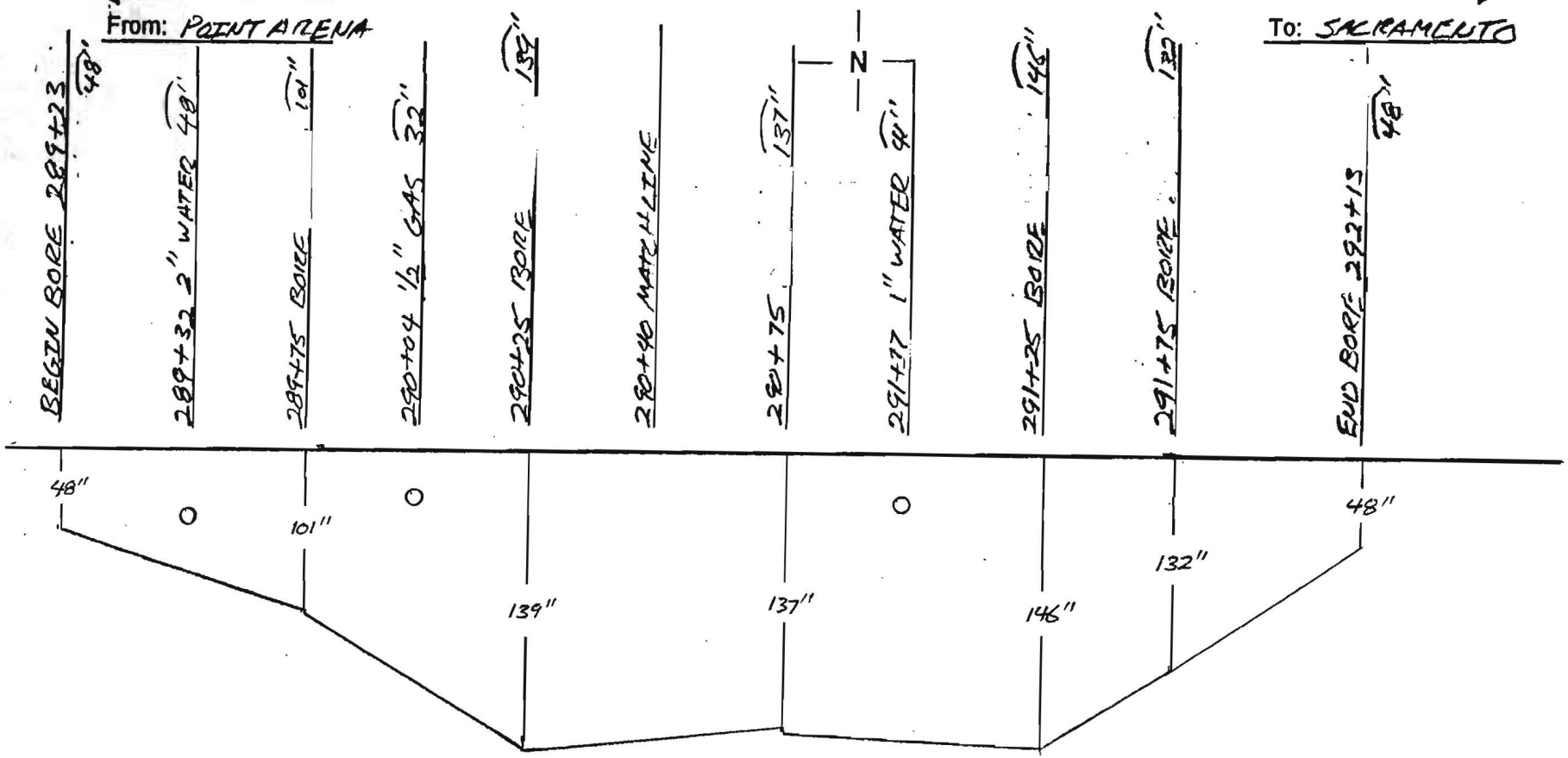
Williams Construc. As-Built Documentation

Spread Location: WINDSOR
Spread No. 4
AFE No. 4875
Contract No. 99P154.11

Date: 11-17
Page No. 2 of
Drawing #: SARC-6W, 7W

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

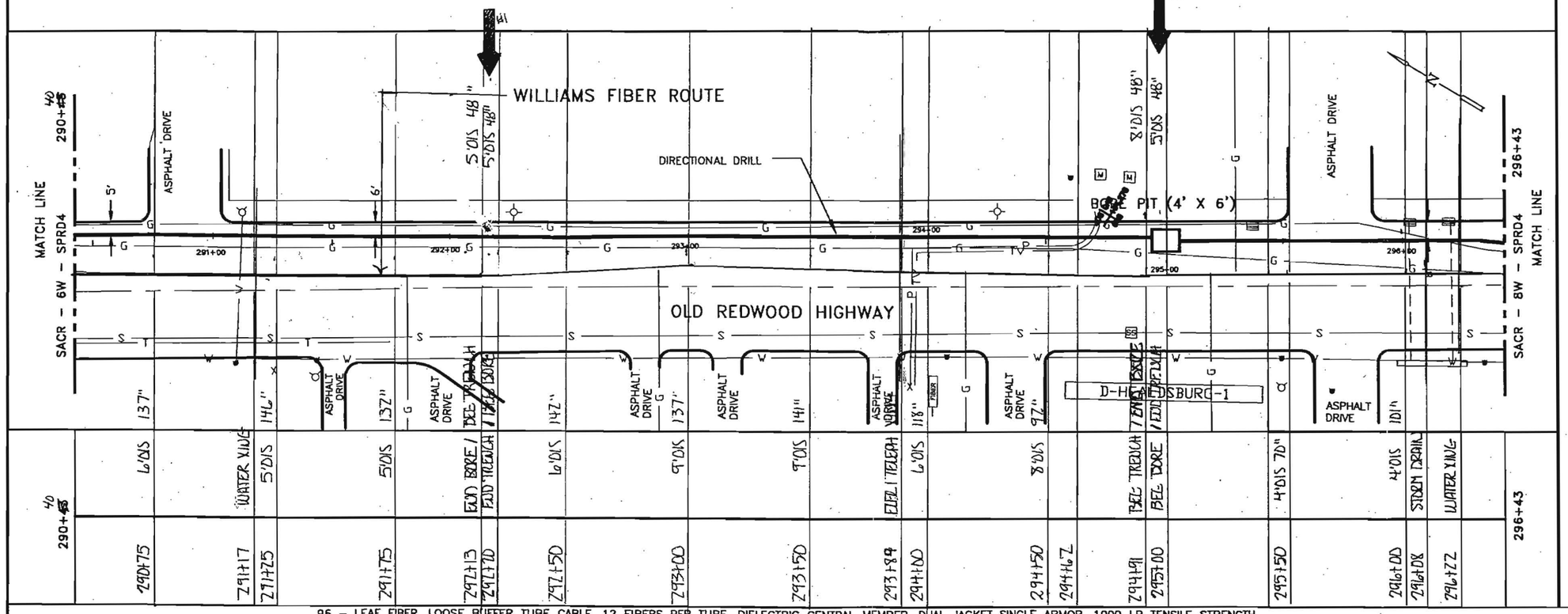
290+89 6' LT. DRIVEWAY
291+10 55' RT. WATER METER
291+13 8' LT. FIRE HYDRANT
291+28 67' RT. POWER POLE
291+38 67' RT. FIRE HYDRANT
291+44 54' RT. WATER METER
291+51 63' RT. DRIVEWAY
291+83 59' RT. DRIVEWAY
291+16 SPLICE VAULT 5'DIS 48" HI
292+28 7' LT. LIGHT POLE
292+82 51' RT. DRIVEWAY
293+17 51' RT. DRIVEWAY
293+81 51' RT. DRIVEWAY
293+92 66' RT. POWER POLE
294+09 53' RT. WATER METER
294+30 7' LT. LIGHT POLE
294+38 52' RT. DRIVEWAY
294+61 21' LT. WATER METER
294+74 22' LT. MH
294+86 22' LT. MH
294+86 43' RT. SEWER MH
294+96 PLACE HANDHOLE
295+00 20' LT. GAS METER
294+96 SPLICE VAULT 6'DIS 48" HZ
295+38 DRAIN INLET
295+50 54' RT. WATER METER
295+50 66' RT. FIRE HYDRANT
295+71 4' LT. DRIVEWAY
295+71 68' RT. WATER METER
295+77 52' RT. DRIVEWAY
296+03 3' LT. DRAIN INLET
296+05 CULVERT
296+12 55' RT. HEADWALL
296+19 3' LT. DRAIN INLET
296+21 CULVERT

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)
1-1.25" BLACK 1-1.5" BLUE 1-1.5" ORANGE

290+40 to 292+13	292+13 to 292+20	292+20 to 294+91	294+91 to 295+00	295+00 to 296+43
173'	7'	271'	9'	143'
2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLOG 11.17.00 TIDWELL * 291+17 WATER VAULT *	2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLOG 11.29.00 TIDWELL	BORE 2-1.5" HDPE 1-1.25" HDPE ERIK BALLOG 11.20-00 TIDWELL	2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLOG 11.20-00 TIDWELL	2.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLOG 11.20-00 TIDWELL * 296+08 STORM DRAIN * 296+22 WATER VAULT

IN BLACK 1.25" HDPE
6GA. TRACER WIRE
GLORIA TABOR
7-9-01

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	5/16
3	REVISED DRAWING SCALE	MW	10/20

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

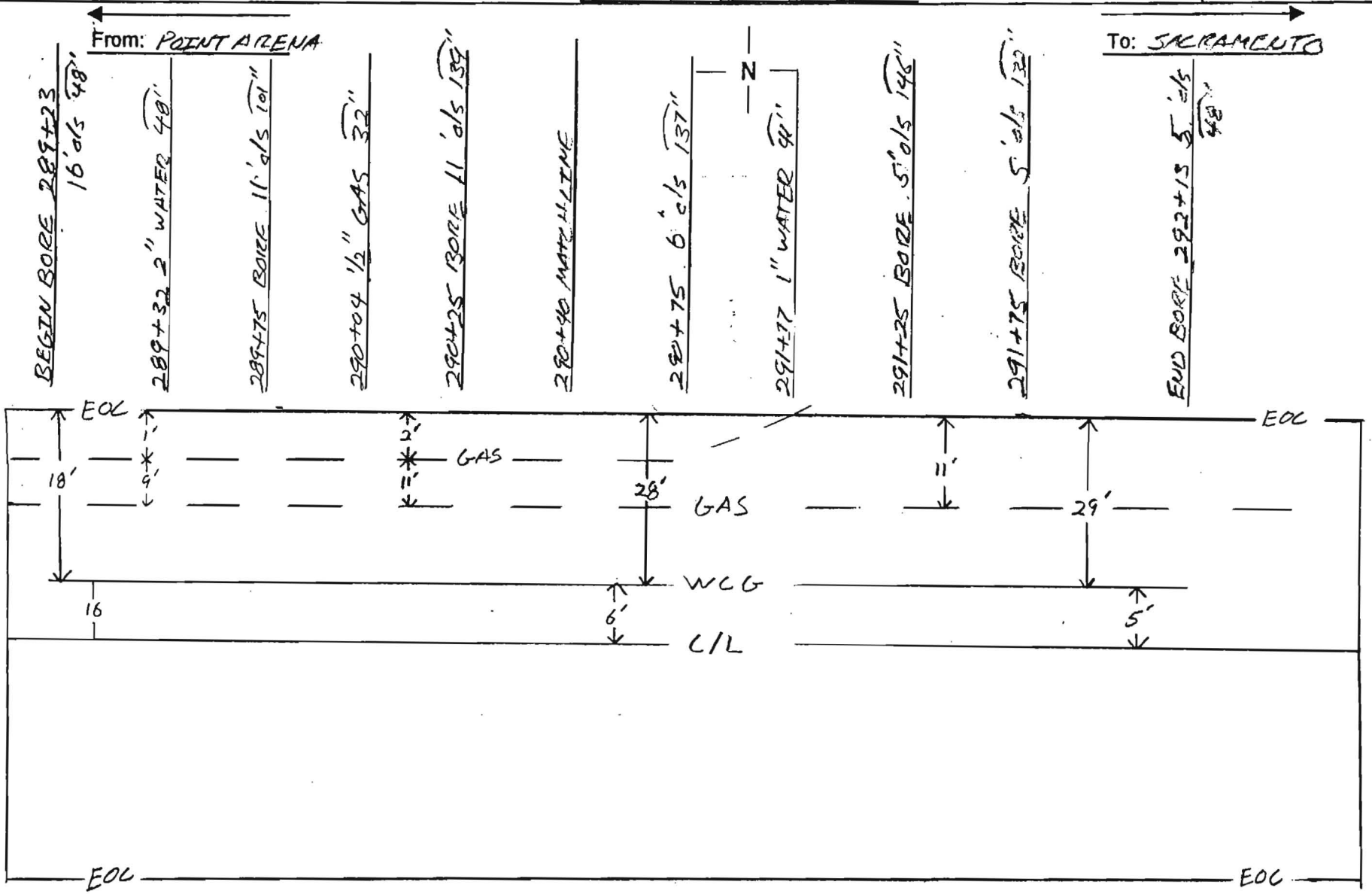
DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–7W–SPRD4

Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4
AFE No. 4875
Contract No. 99P154.11

Date: 11-17
Page No. 1 of 2
Drawing #: SARC-GW, TW

From: POINT ARENA — To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

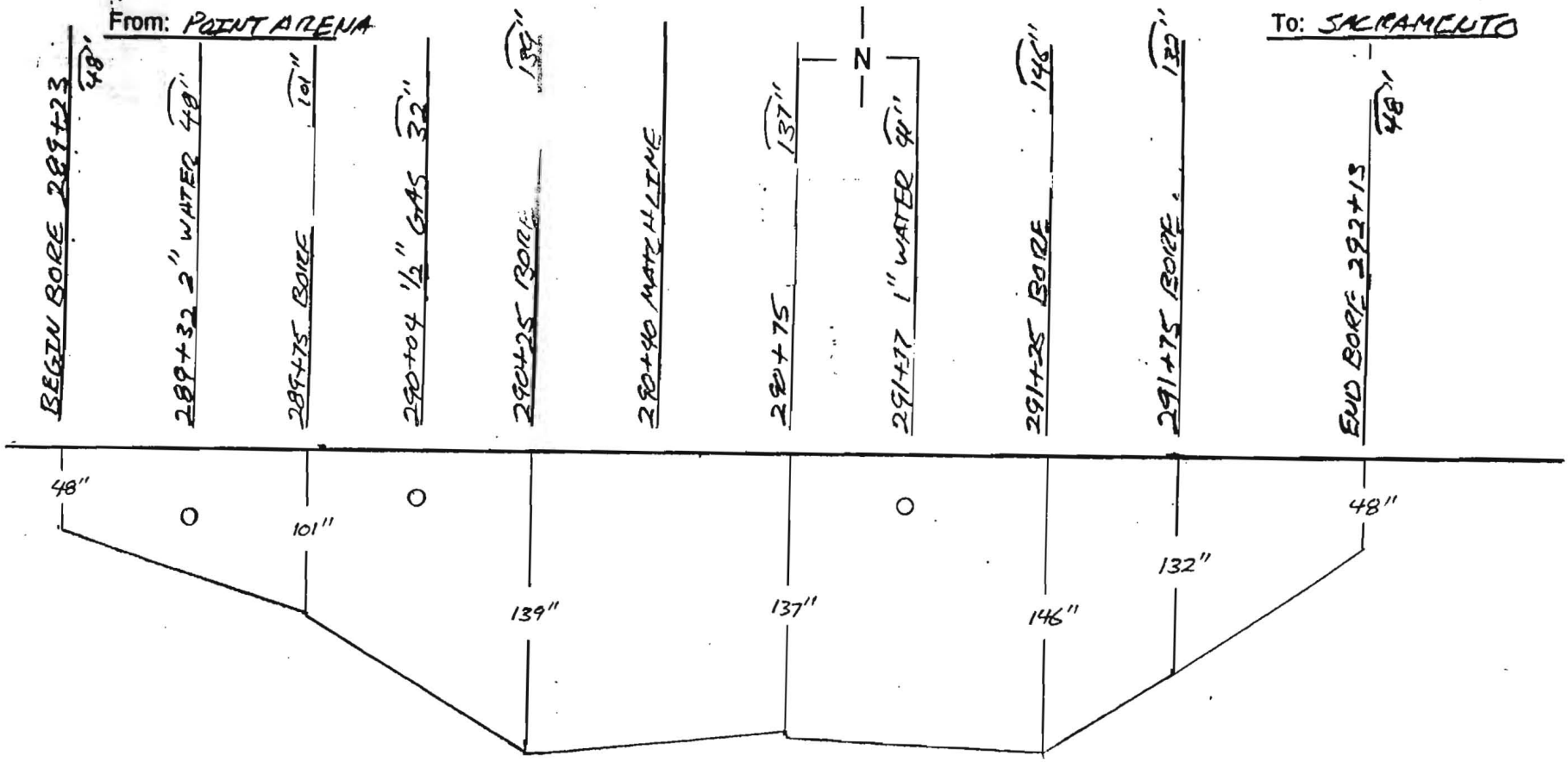
Williams Construc[illegible] As-Built Documentation

Spread Location: WIND5012
Spread No. 4
AFE No. 4875
Contract No. 99P154.11

Date: 11-17
Page No. 2
Drawing #: SARC-6W, 7W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1 1/2", 1-BLUE 1 1/2", 1-BLACK 1 1/4"

Inspector: ERIK BALLING

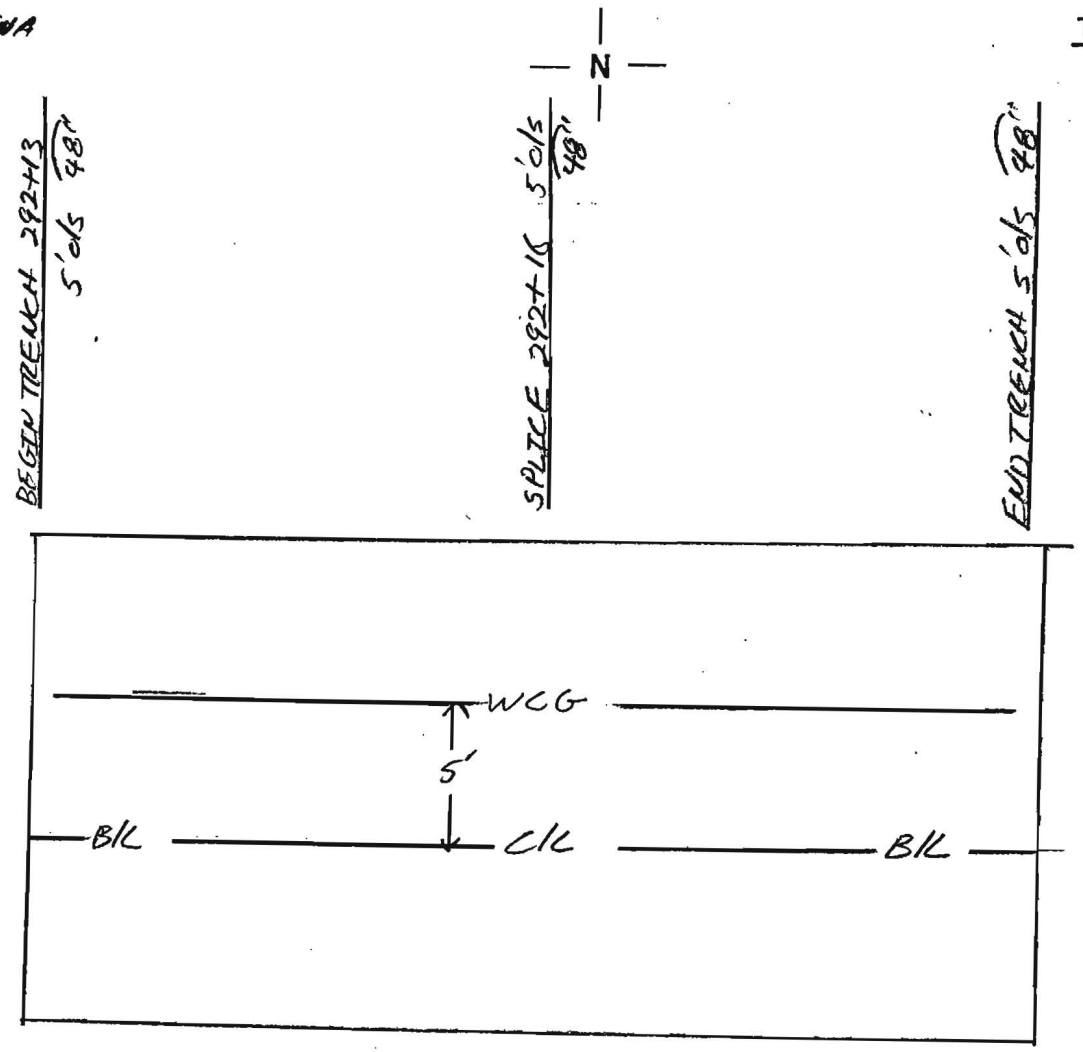
Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154,11

Date: 11-2[illegible]
Page No. [illegible] of [illegible]
Drawing #: SAC-TW

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

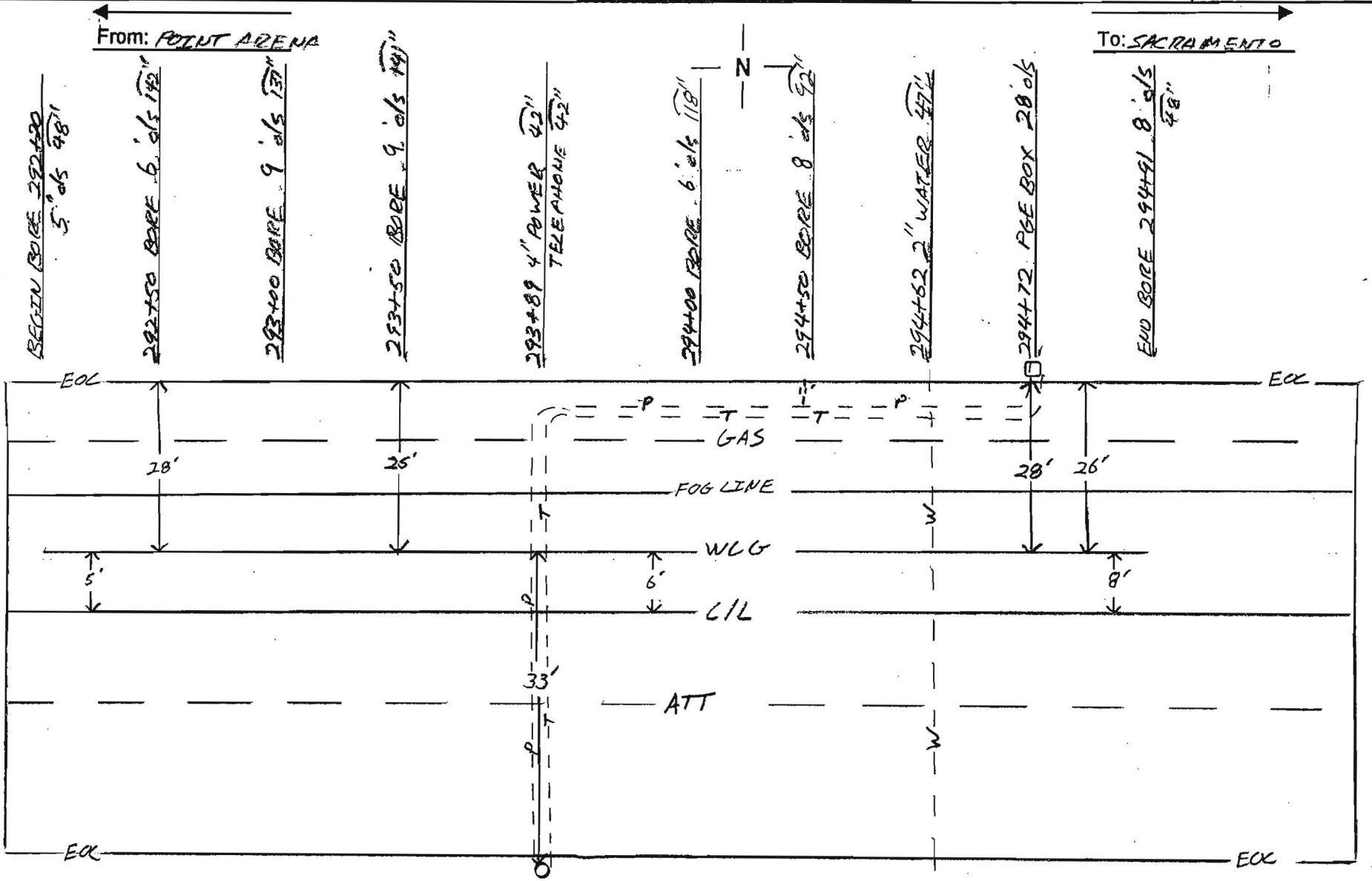
Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4
AFE No. 4875
Contract No. 99P154.11

Date: 11-18-[illegible]
Page No. 1 of 2
Drawing #: SARC-TW

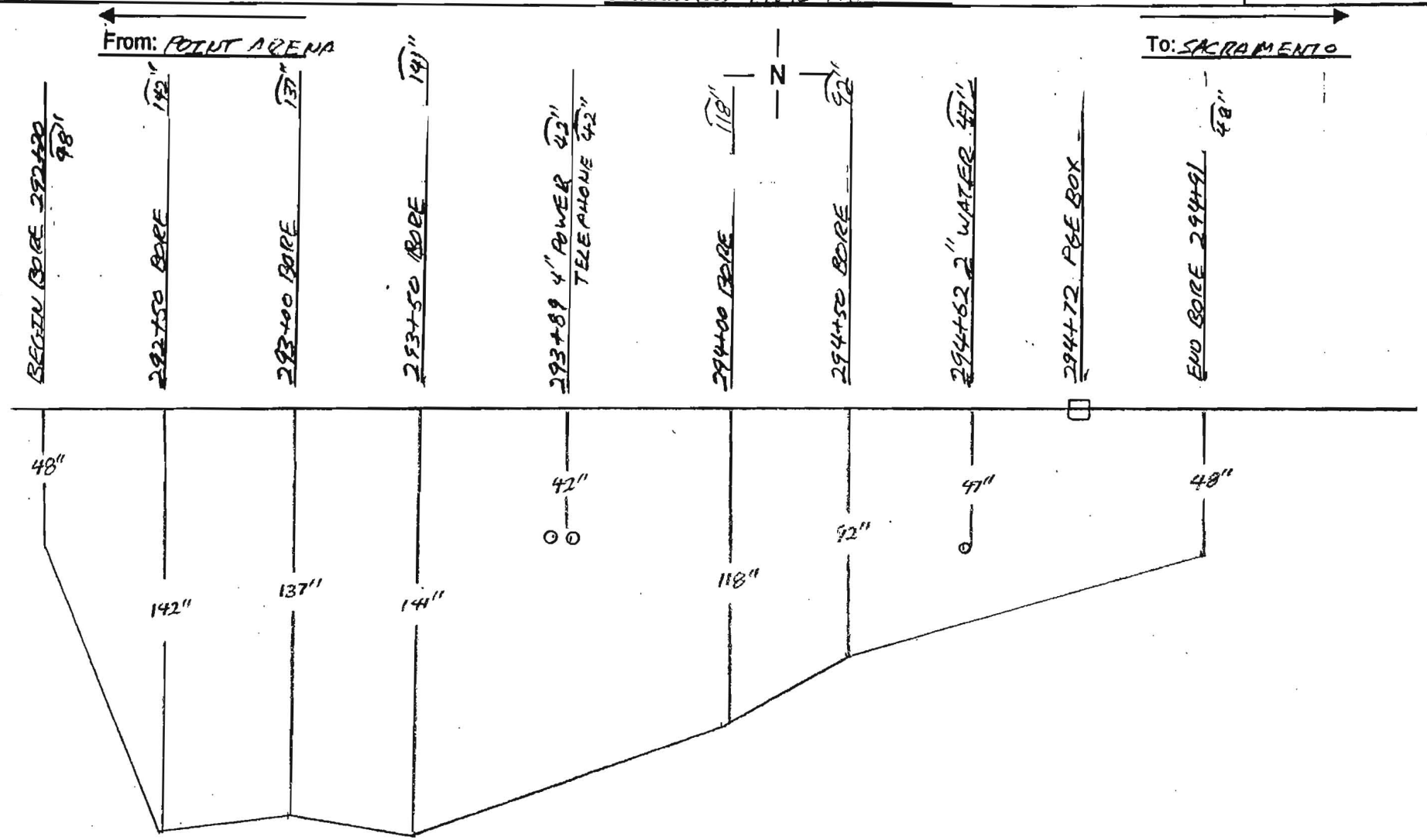


Notes:	County: SONOMA	Contractor: TIDWELL
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-GRAY 1¼"	Inspector: ERIK BALLING

Williams Construc As-Built Documentation

Spread Location: WINDSOR
Spread No. 4
AFE No. 4875
Contract No. 99P154.11

Date: 11-18-
Page No. 2 of 2
Drawing #: SARC-TW



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

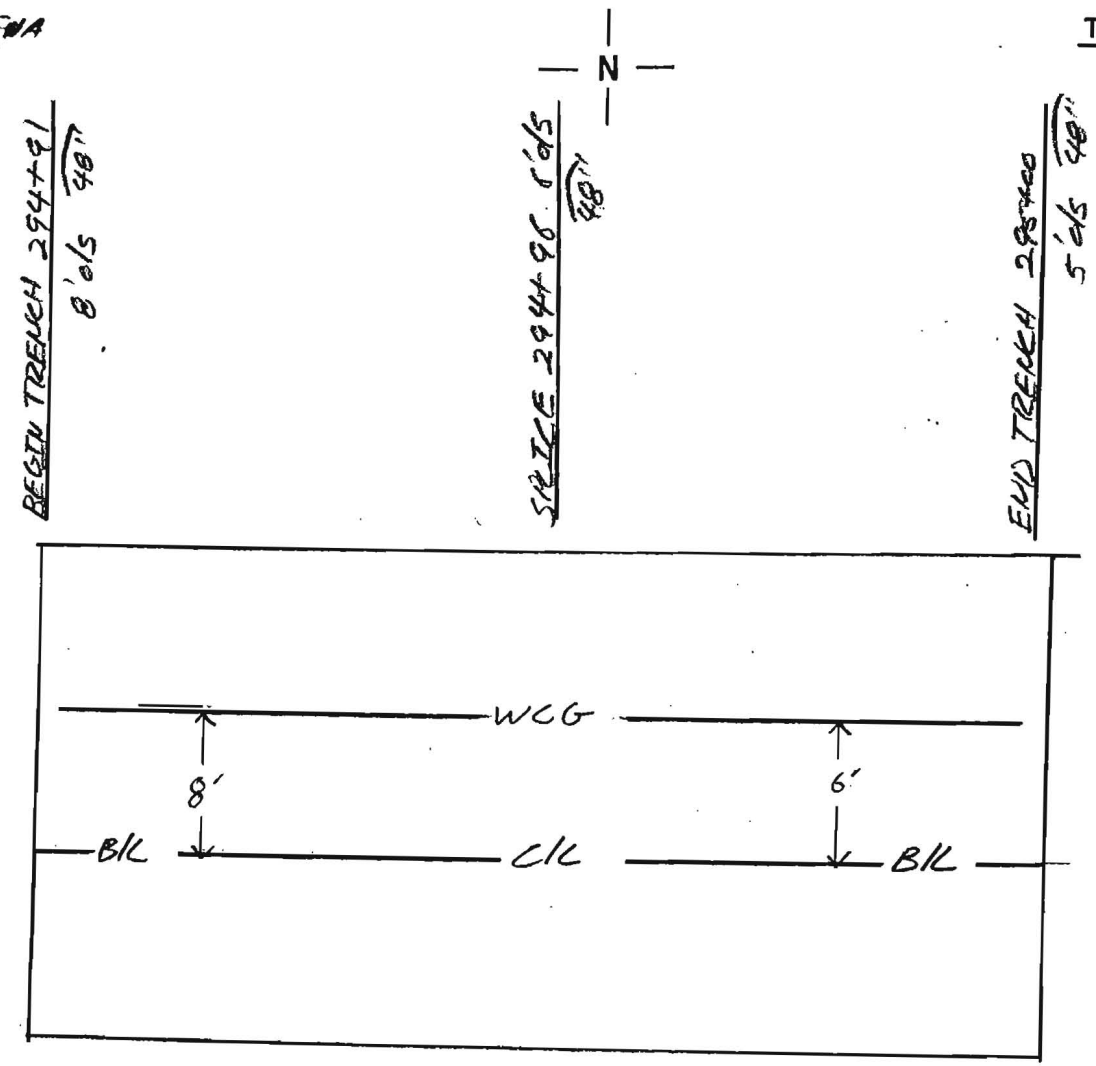
Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154.11

Date: 11-29-[illegible]
Page No. [illegible]
Drawing #: SARC-7W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

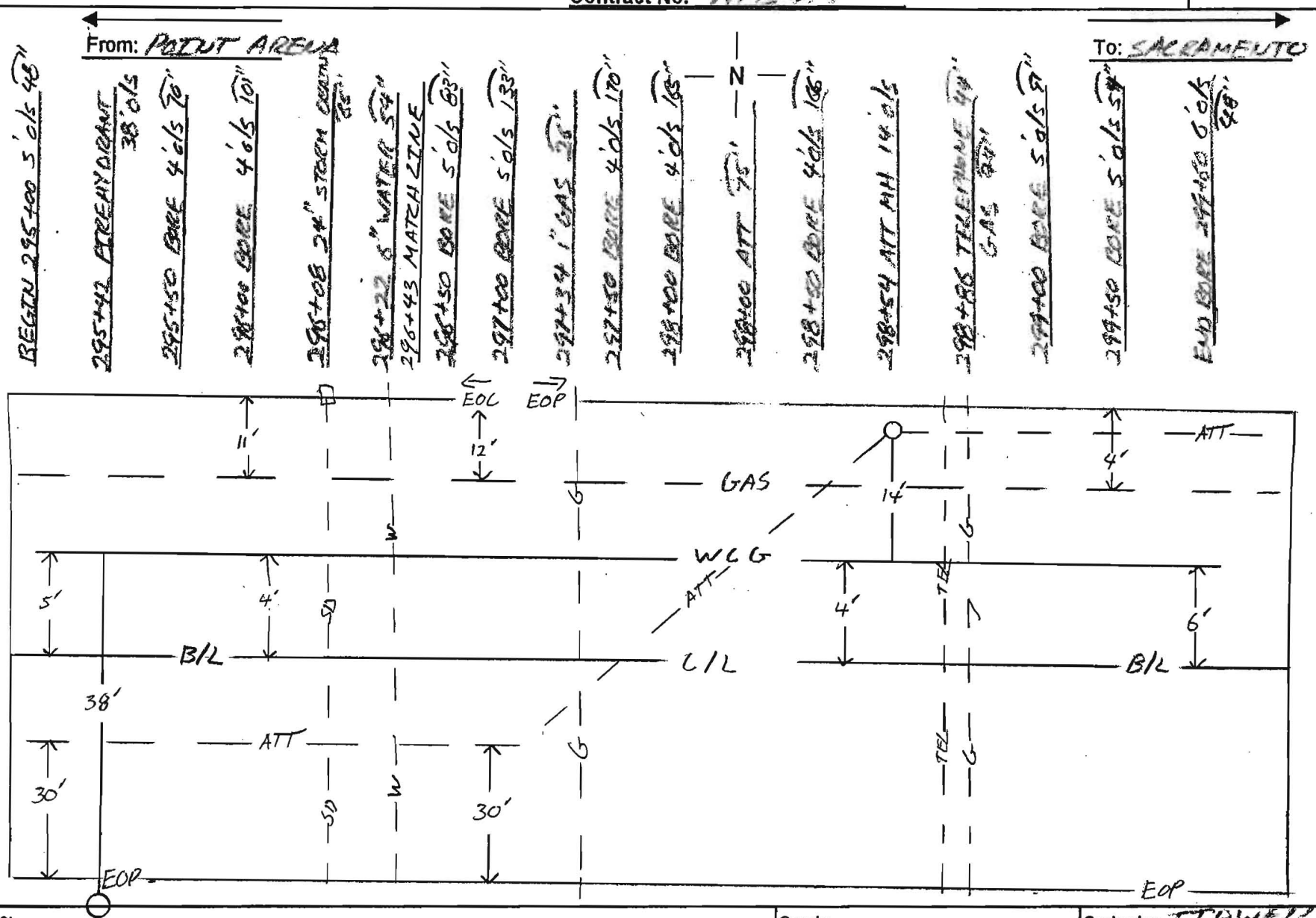
Duct Configuration: 1-ORANGE 1¼" 1-RED 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P54.11

Date: 11-20[illegible]
Page No. 1 of 2
Drawing #: SARC-7W, 8W



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½ 1-BLUE 1½", 1-BLACK 1½"

Inspector: ERIK BALLING

Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR

Spread No. 4A

AFE No. 4875

Contract No. 99154.11

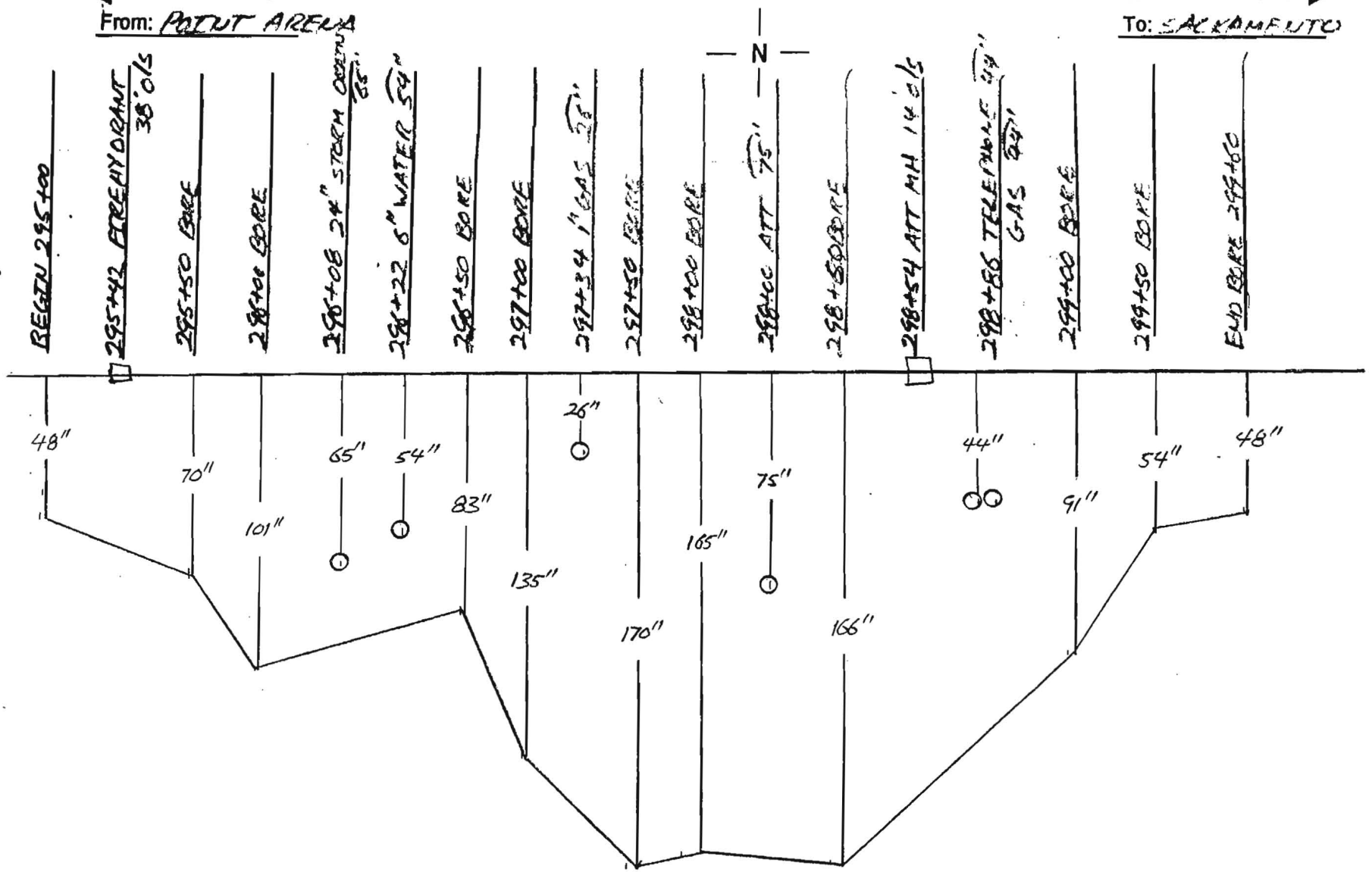
Date: 11-2[illegible]9

Page No. 2 of 3

Drawing #: SARC-7W, 8W

From: POINT AREMA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½ 1-BLUE 1½" 1-BLACK 1½"

Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

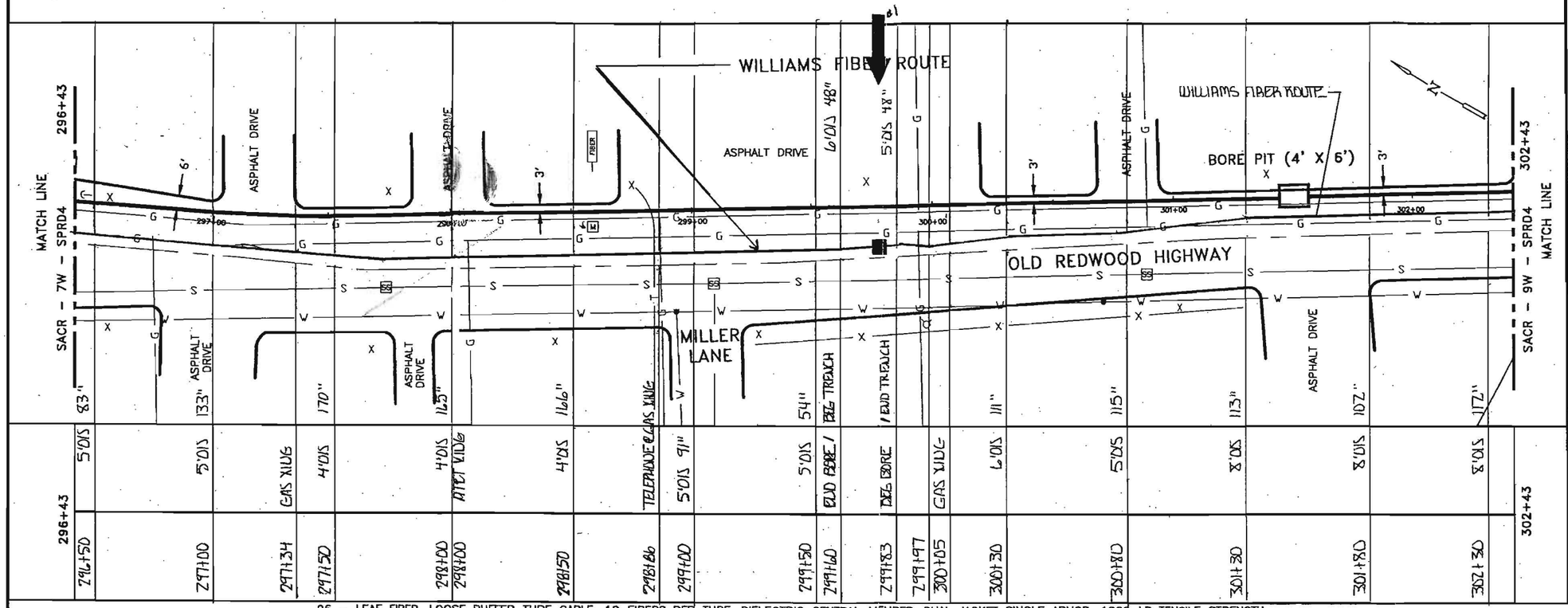
296+43 55' RT. WATER METER
296+44 9' LT. GUY WIRE
296+57 11' LT. TELE. LINE
296+64 54' RT. POWER POLE
297+02 41' RT. DRIVEWAY
297+20 5' LT. DRIVEWAY
297+65 55' RT. POWER POLE
297+73 30' RT. SEWER MH
297+74 11' LT. TELE. LINE
297+84 51' RT. DRIVEWAY
298+00 4' LT. DRIVEWAY
298+43 54' RT. POWER POLE
298+60 16' LT. FIBER MARKER
298+60 7' RT. MH
298+75 11' LT. TELE. POLE
298+94 42' RT. WATER METER
299+06 49' RT. MILLER LANE
299+10 31' RT. SEWER MH
299+26 57' RT. FENCE CORNER
299+28 53' RT. POWER POLE
299+46 5' LT. DRIVEWAY
299+73 10' LT. TELE. POLE
299+75 SPLICE ML 6'DIS 48" MANHOLE
299+97 60' RT. FIRE HYDRANT
300+71 42' RT. WATER METER
300+82 5' LT. DRIVEWAY
300+89 31' RT. SEWER MH
301+03 44' RT. POWER POLE
301+29 45' RT. FENCE CORNER
301+40 10' LT. TELE. POLE
301+59 36' RT. DRIVEWAY

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
1-1.75" BLACK 1-1.5" BLUE 1-1.5" ORANGE

296+43
299+60
317'
Z-11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
11-20-00
TIDWELL
297+34 GAS XING
298+00 AT&T XING
298+86 TELEPH & GAS XING

299+60
299+83
23'
Z-11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12-21-00

299+83
302+43
260'
Z-11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
11-21-00
TIDWELL
300+05 GAS XING

IN BLACK 1.25" HDPE
6 GA. TRACER WIRE
GLORIA TABOR
7-9-01

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Block Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS
EMERGENCY NOTIFICATION NUMBER
1-800-582-9069

CAUTION
WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :
1-800-227-2600

DRAWING DISCLAIMER
FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/20

CABLE FIBER COUNT MFG. TYPE OF GLASS		CABLE DESCRIPTION
CABLE REEL NO.		
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH		
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)		PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE		
PVC		
FUTURE-2		FUTURE UNIT PLACE
FUTURE-3		
FUTURE-4		

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-8W-SPRD4

Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR

Spread No. 4A

AFE No. 4875

Contract No. 991954.11

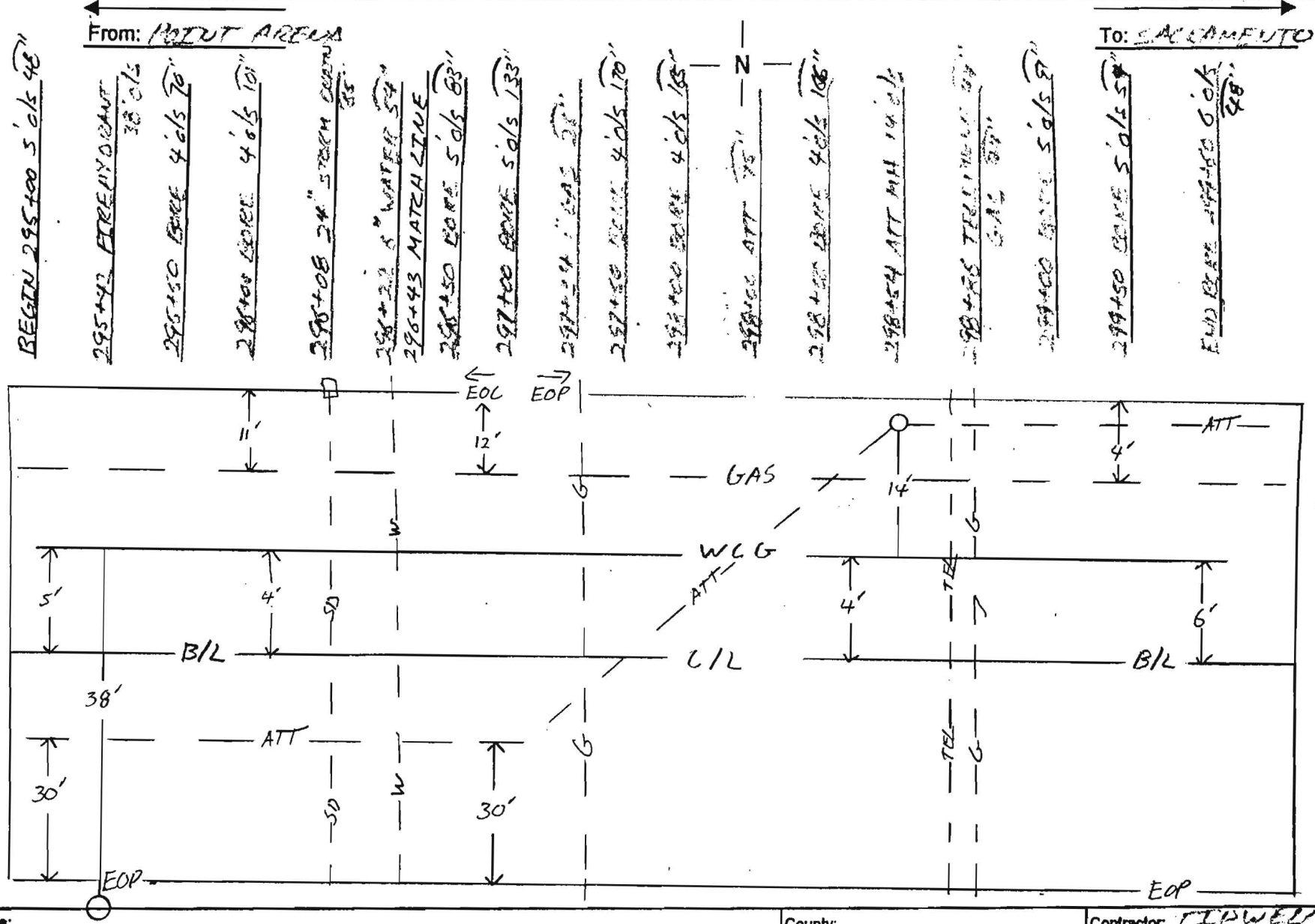
Date: 11-20-[illegible]

Page No. 1 of 2

Drawing #: SARC-7W, 8W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1½"

Inspector: ERIK BALLING

Williams Constructi[illegible]s-Built Documentation

Spread Location: WINDSOR

Spread No. 4A

AFE No. 4875

Contract No. 99M54 11

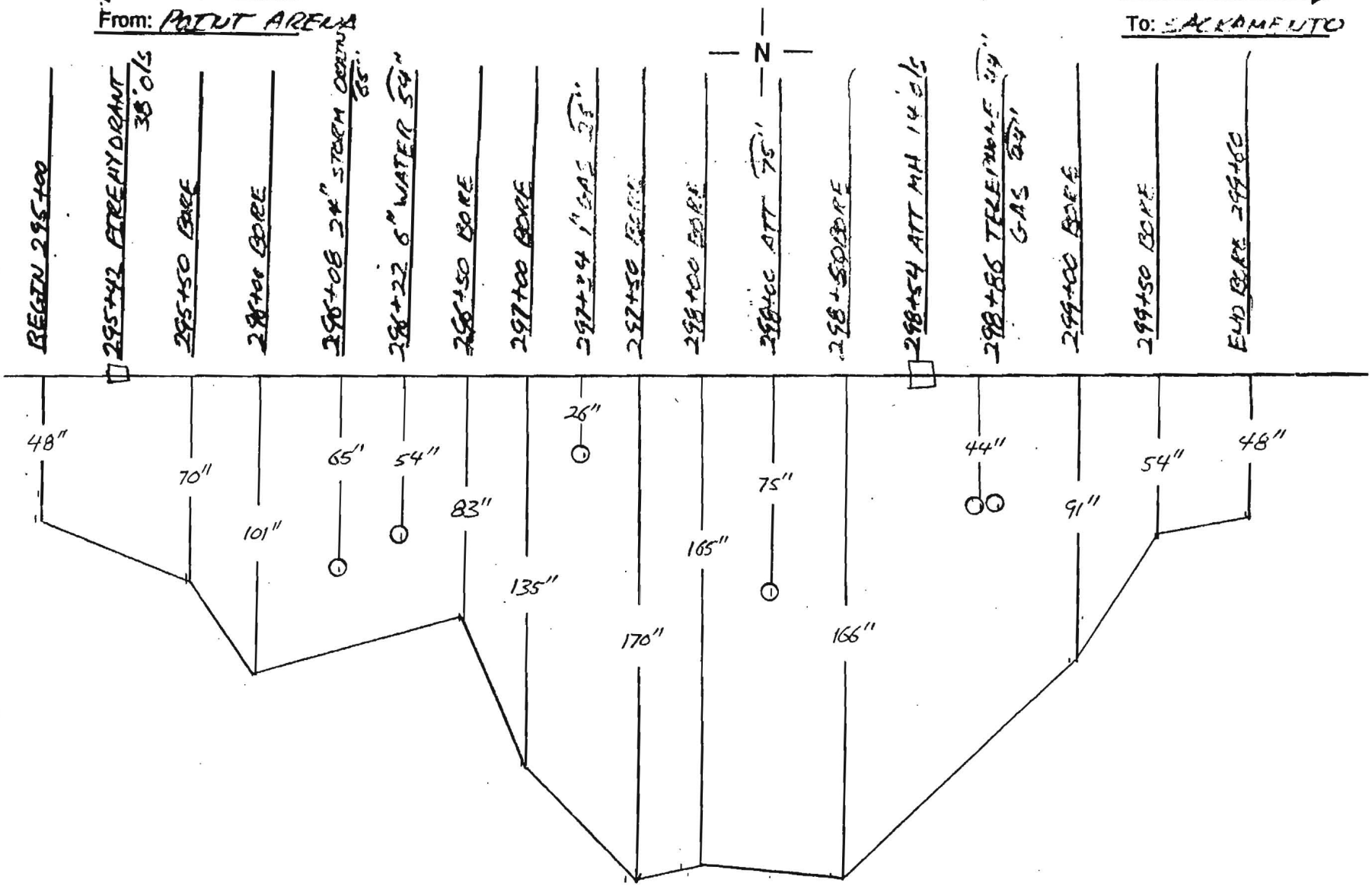
Date: 11-20[illegible]

Page No. 2 o[illegible]

Drawing #: SARC-7W, 8W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½ 1-BLUE 1½" 1-BLACK 1½"

Inspector: ERIK BALLING

Williams Construc[illegible] As-Built Documentation

Spread Location, WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154,11

Date: 12-21-00
Page No. 1
Drawing #: SARC-8W

From: POINT AREMA

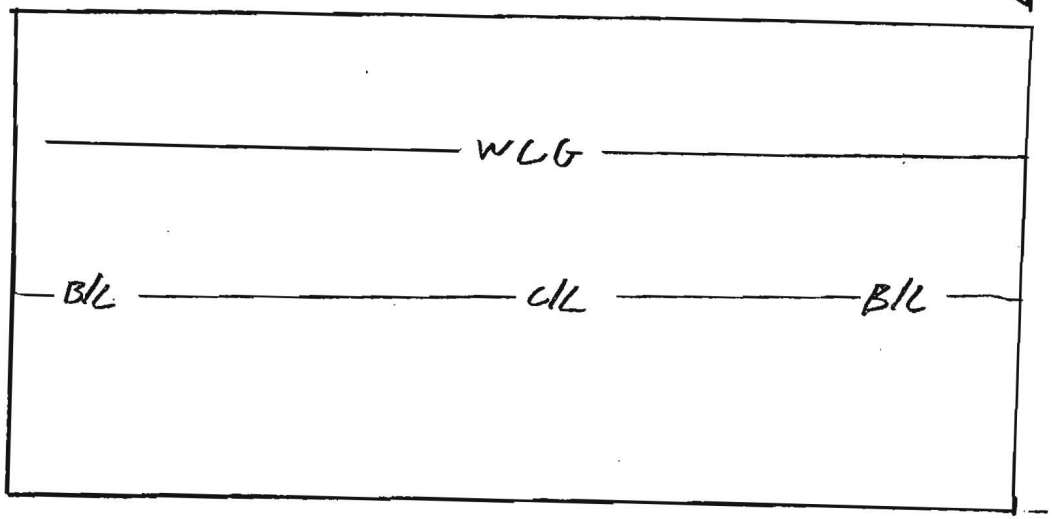
To: SACRAMENTO

N

BEGIN TRENCH 299+60 6'0/S 48"

SPLICE 299+75 6'0/S 48"

END TRENCH 299+83 5'4/S 48"



Notes:

County: SONOMA

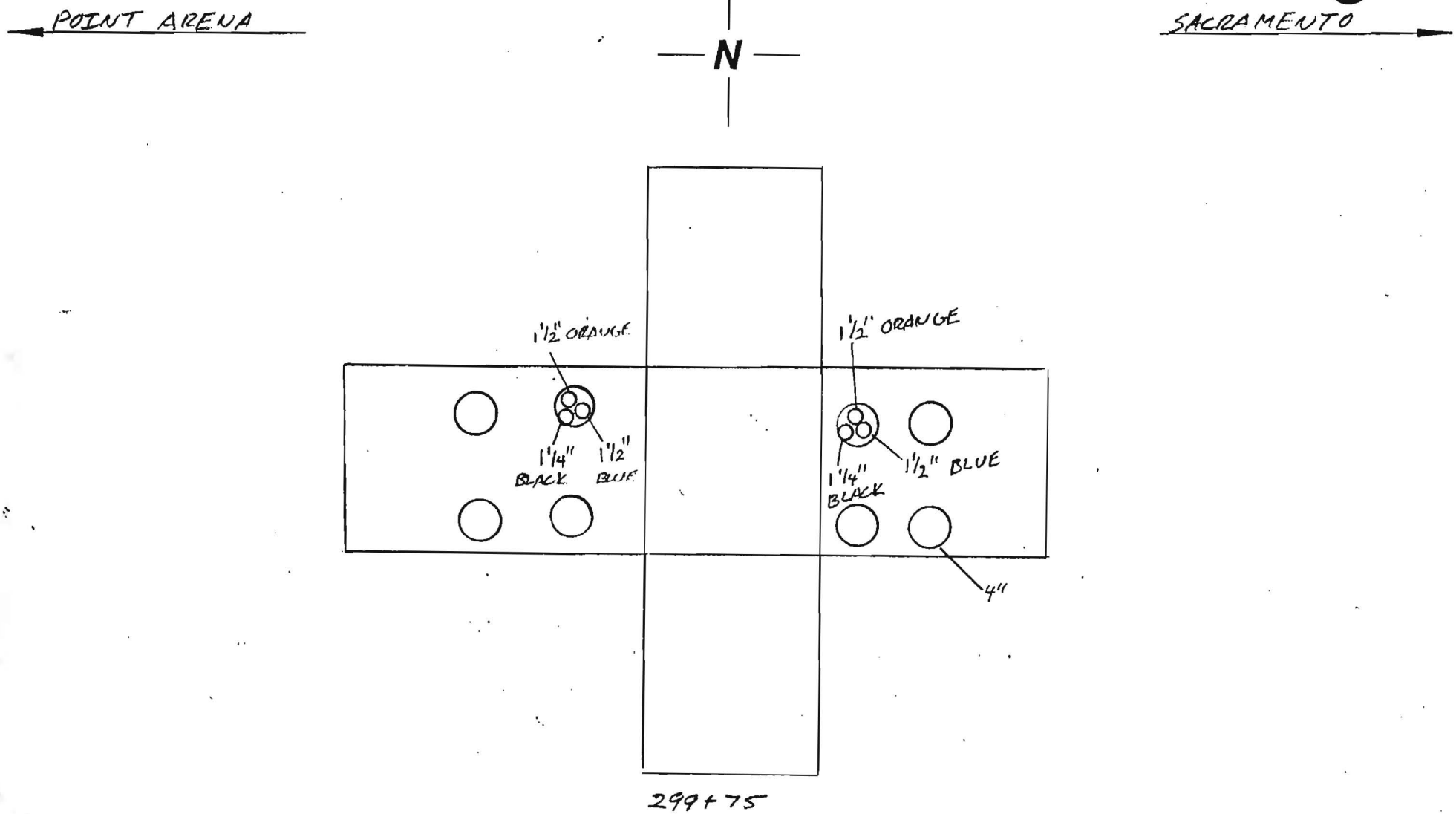
Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½"
1-BLUE 1¼" 1-BLACK 1¼"

Inspector: ERIK BALLING

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET:	
-21-00	4875	SARC-8W	1A



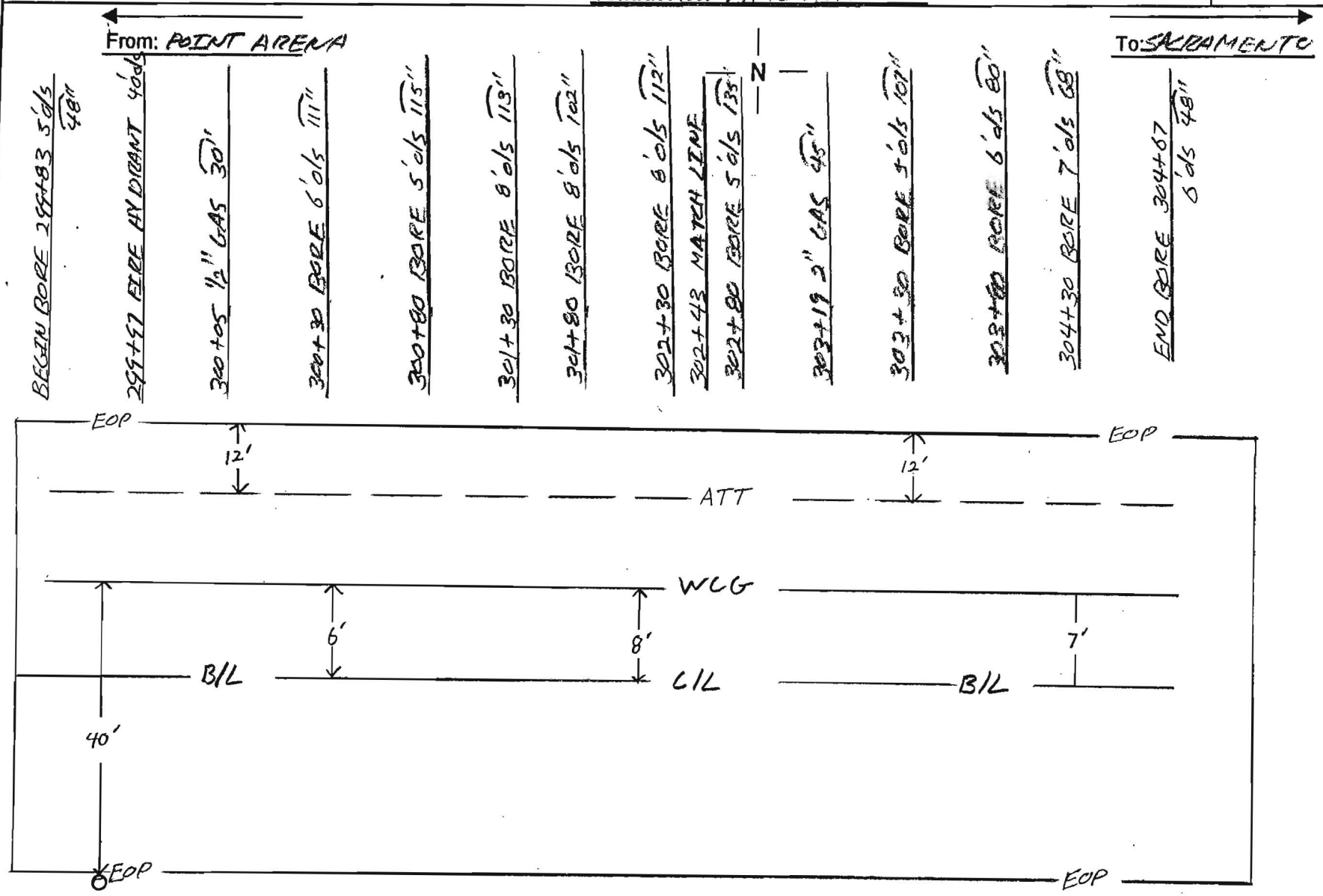
3

NOTES:	COUNTY: SONOMA	CONTRACTOR: TIDWELL
PAGE OF	DUCT CONFIGURATION: 1-ORANGE 1½", 1-BLUE 1½" 1-BLACK 1¼"	INSPECTOR: ERIK BALLING.

Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-2[illegible]
Page No. 1 of 2
Drawing #: SARC -8W, 9W



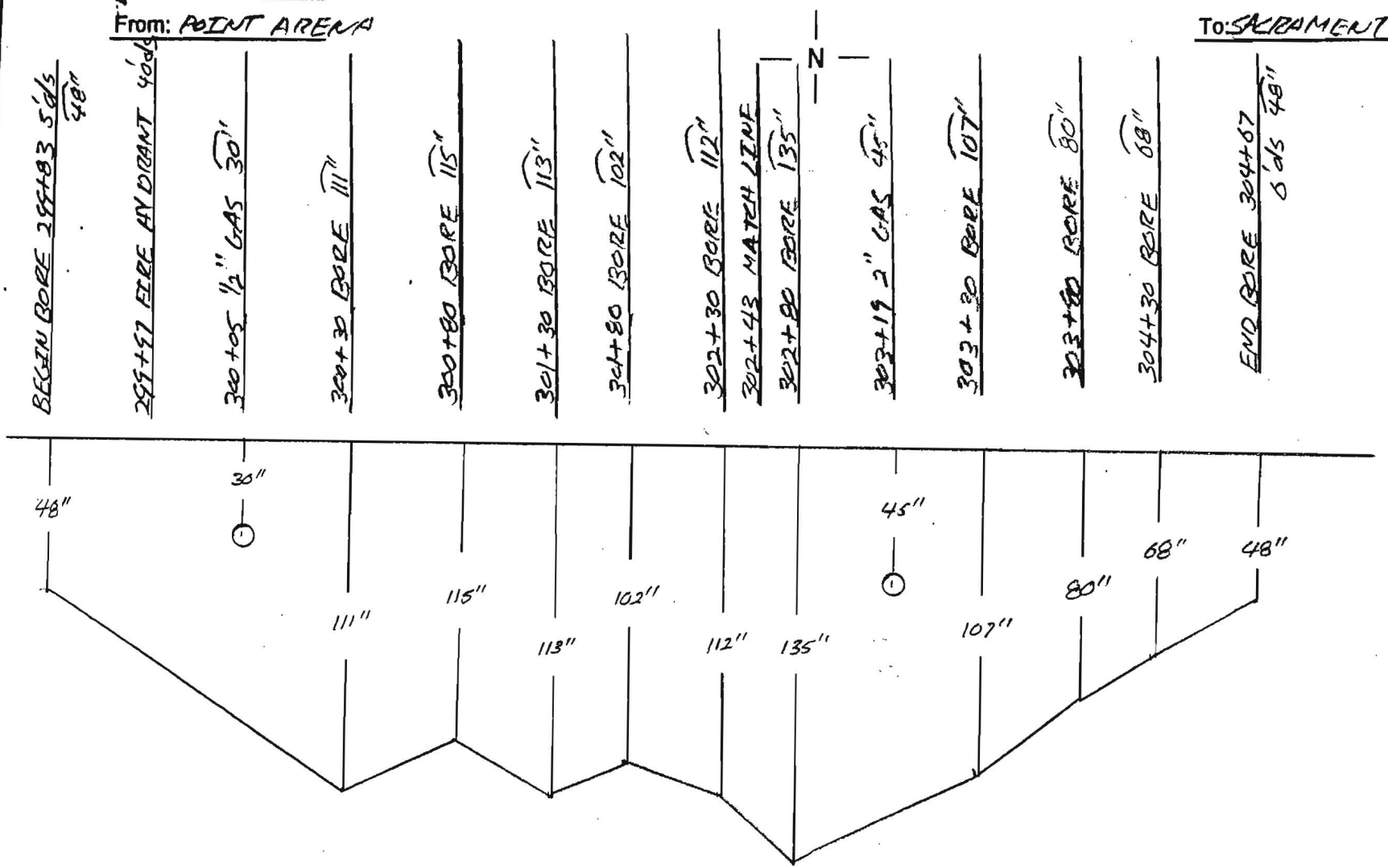
Notes: PAY 11-21-00	County: SONOMA	Contractor: TIDWELL
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-2[illegible]
Page No. 2 [illegible] 3
Drawing #: SARC -8W, 9W

From: POINT ARENA — To: SACRAMENTO — N



Notes: PAY 11-21-00

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

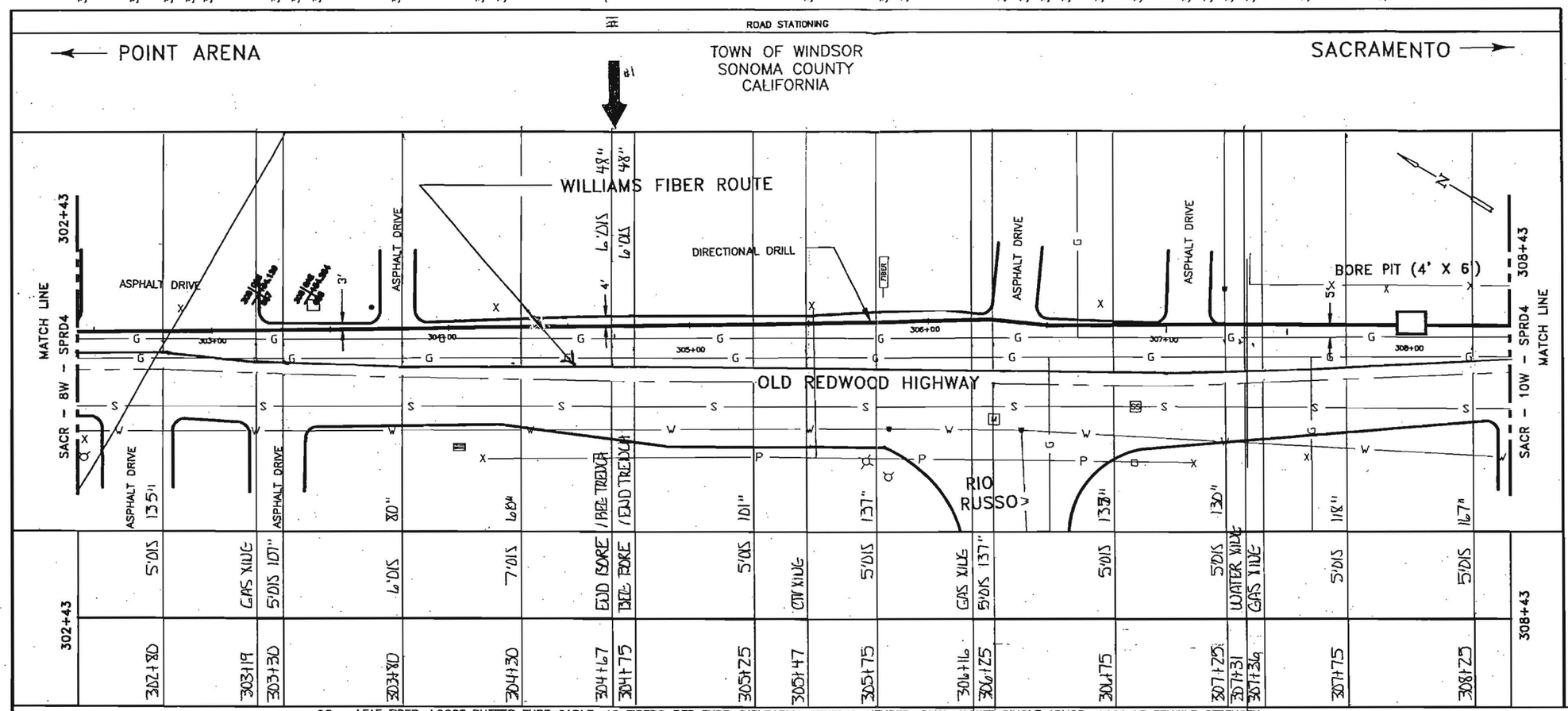
302+46 44' RT. POWER POLE
302+68 36' RT. DRIVEWAY
302+82 4' LT. DRIVEWAY
302+87 10' LT. TELE. POLE
302+99 50' RT. DRAIN INLET
303+27 39' RT. DRIVEWAY
303+28 15' LT. GAS METER
303+42 15' LT. GAS METER
303+79 5' LT. DRIVEWAY
304+14 54' RT. POWER POLE
304+20 8' LT. TELE. POLE
EQUATION 6'01S 48"
305+51 8' LT. TELE. POLE
305+82 44' RT. WATER METER
305+82 65' RT. FIRE HYDRANT
306+32 41' RT. MH
306+36 4' LT. DRIVEWAY
306+42 53' RT. RIO RUSSO
306+44 44' RT. WATER METER
306+73 10' LT. TELE. POLE
306+89 32' RT. SEWER MH
307+09 6' LT. DRIVEWAY
307+12 55' RT. POWER POLE
307+24 18' LT. WATER METER
307+36 20' LT. FENCE CORNER
307+59 53' RT. POWER POLE
307+91 18' LT. TELE. POLE

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
1-BLUE 1.5" | BLACK 1.25" | ORANGE 1.5"

302+43 304+67 224'	304+67 304+75 8'		304+75 308+43 368'
Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLUE 11_21_00 TINDELL * 303+19 GAS VALVE	Z.11 2-1.5" HDPE 1-1.25" HDPE TINDELL 11_21_00 ERIK BALLUE	1 BLACK 1.25" HDPE COIL. TRACER WIRE GLORIA TABOR 7-9-01	Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLUE 11_21_00 TINDELL * 305+47 CTV VALVE * 306+16 GAS VALVE * 307+36 GAS VALVE * 307+31 WATER VALVE

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
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- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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1-800-227-2500

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE	MW	10/20

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

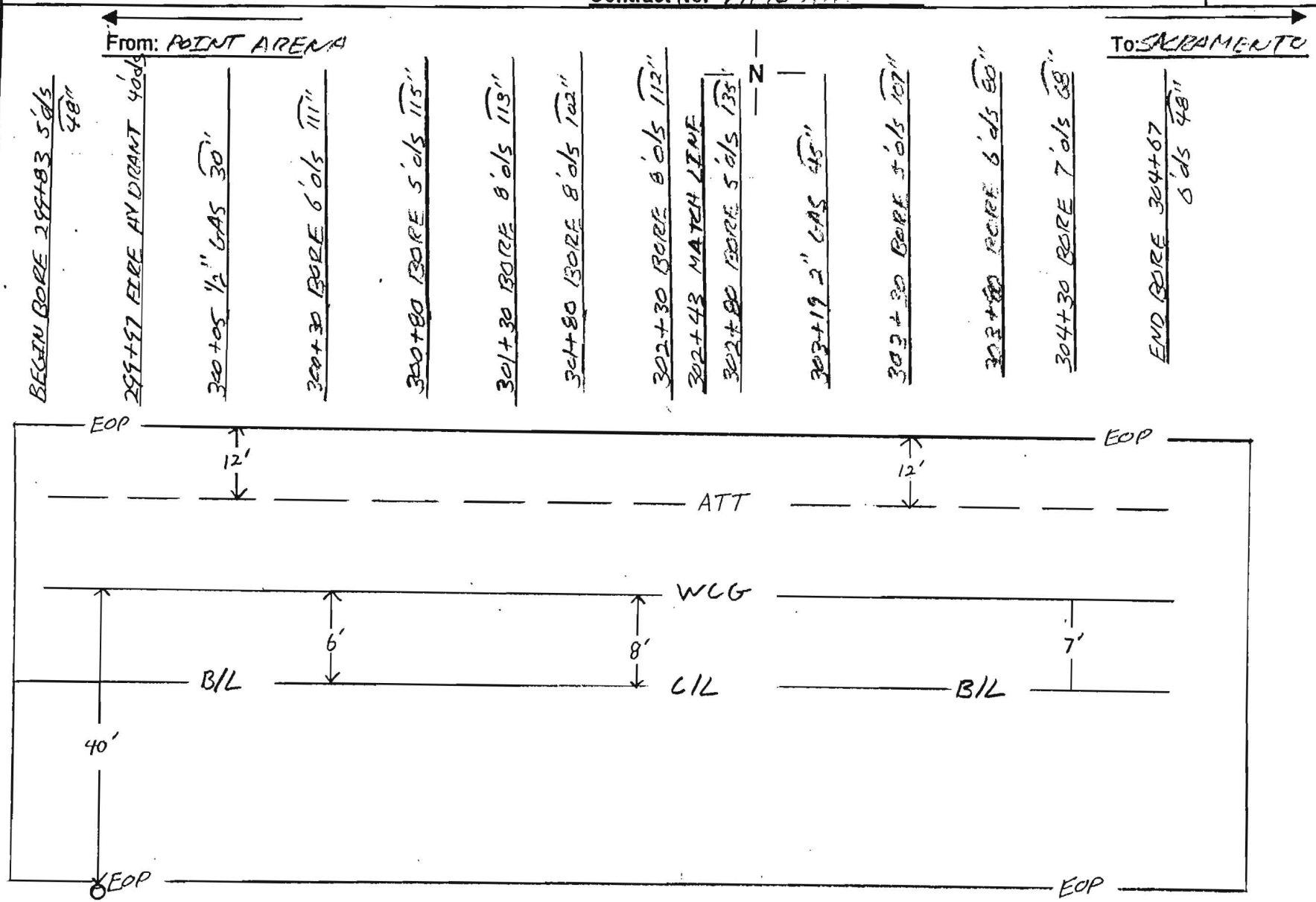
DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-9W-SPRD4

CAP : D

Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-21
Page No. 1 of 2
Drawing #: SARC -8W, 9W



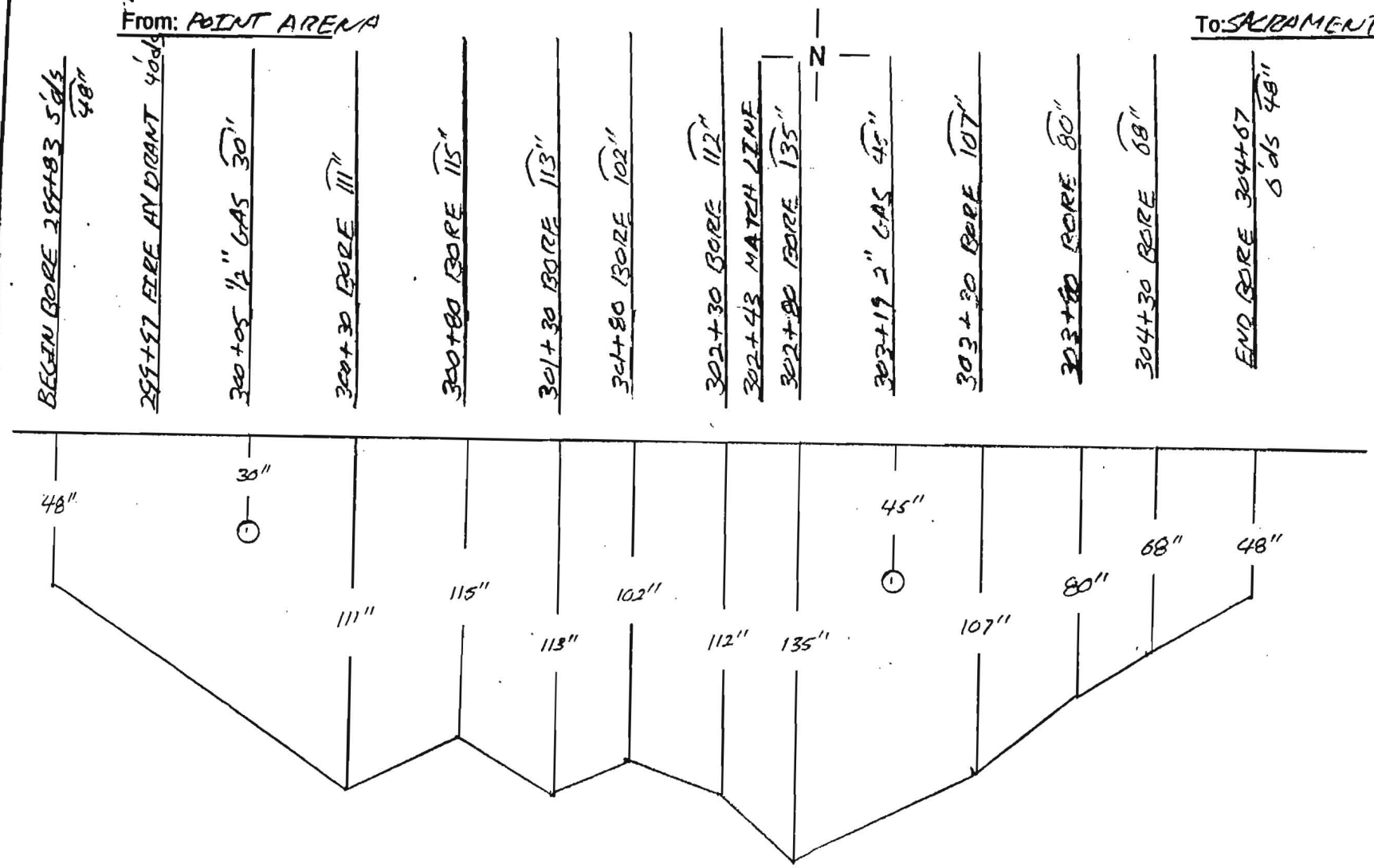
Notes: PAY 11-21-00	County: SONOMA	Contractor: TIDWELL
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-21
Page No. 2
Drawing #: SARC -8W, 9W

From: POINT ARENA
To: SACRAMENTO



Notes: PAY 11-21-00	County: SONOMA	Contractor: TIDWELL
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

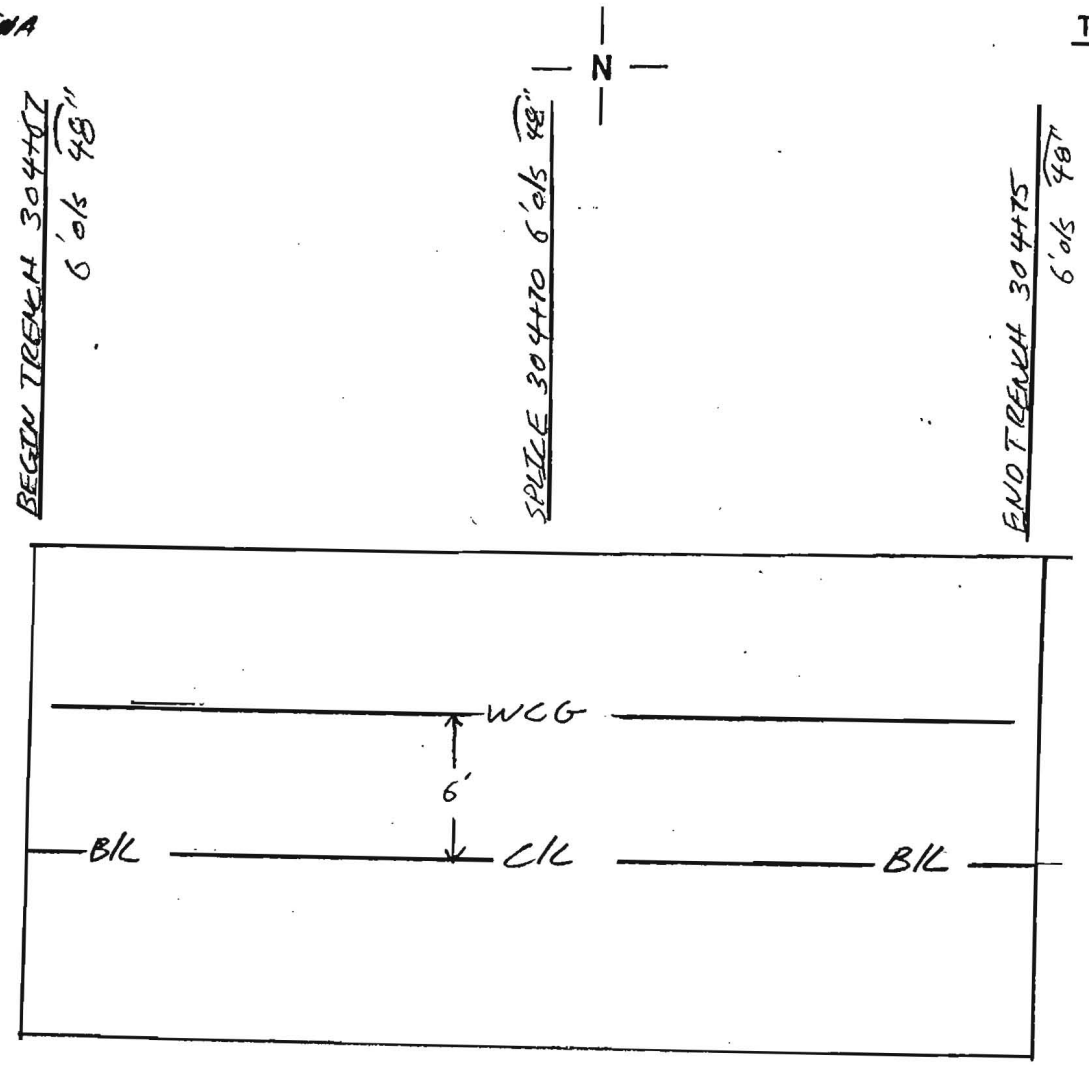
Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154.11

Date: 11-29[illegible]
Page No. [illegible]
Drawing #: SARC-4W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½" 1-RIME 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

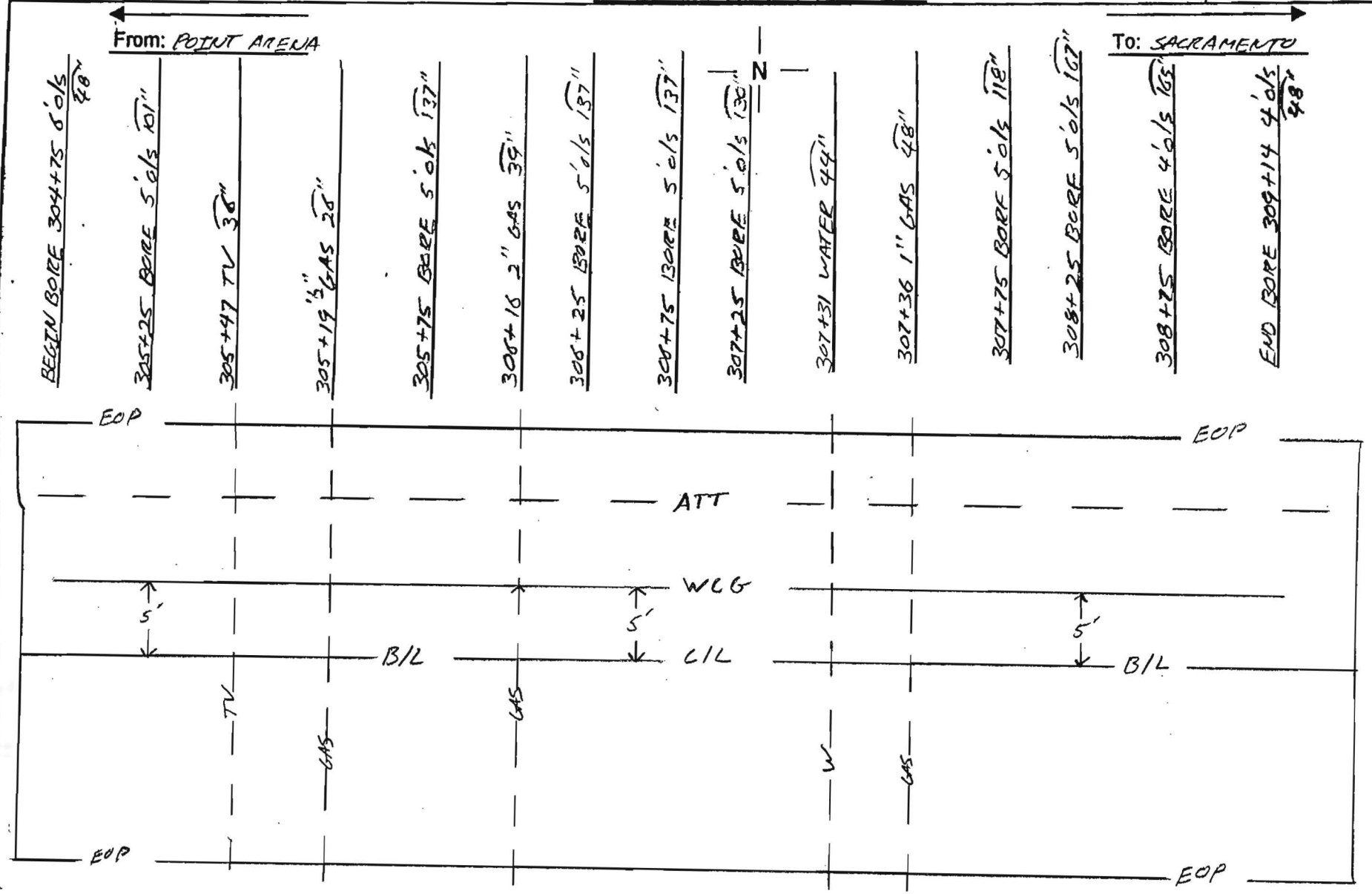
Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

Date: 11-2[illegible]
Page No. 1 of 2
Drawing #: SAR-9W, 10W

From: POINT ARENA

To: SACRAMENTO



Notes: PAY 11-21-00

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

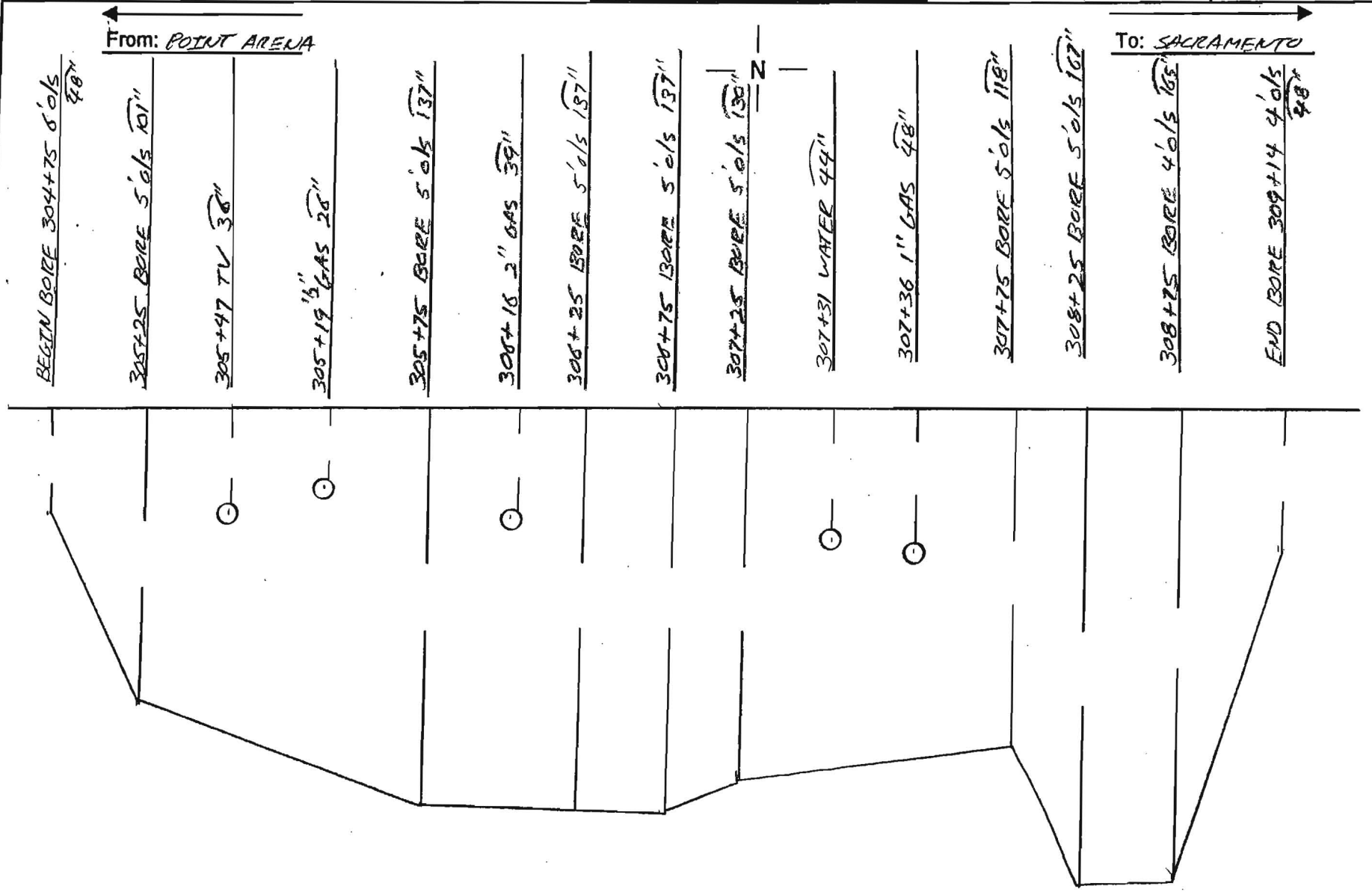
Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154,11

Date: 11-2
Page No. 2 of 2
Drawing #: SARL - 9W, 10W

From: POINT ARENA — To: SACRAMENTO



Notes: PAY 11-21-00

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1 1/2"
1-BLUE 1 1/2", 1-BLACK 1 1/4"

Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

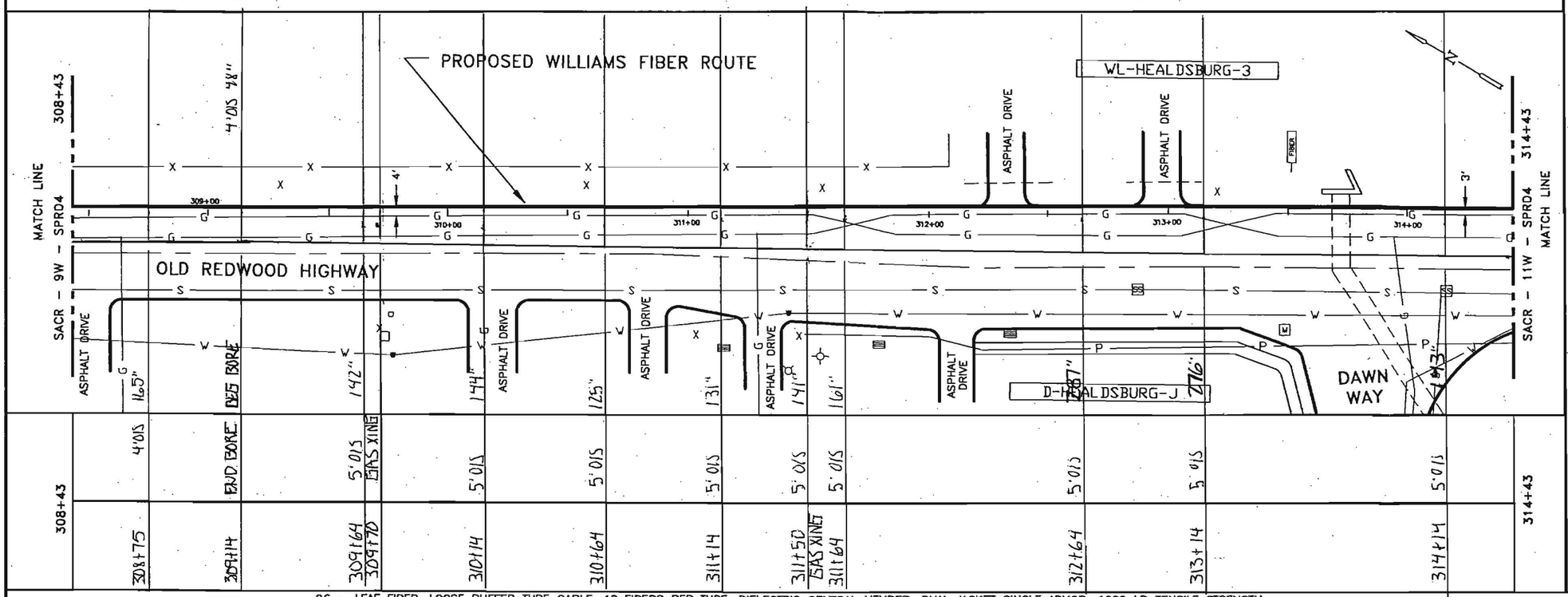
308+49 37' RT. DRIVEWAY
309+29 13' LT. TELE. POLE
309+71 47' RT. POWER POLE
309+77 59' RT. WATER METER
310+19 35' RT. DRIVEWAY
310+58 12' LT. TELE. POLE
310+83 39' RT. DRIVEWAY
311+03 50' RT. POWER POLE
311+15 55' RT. DRAIN INLET
311+31 41' RT. DRIVEWAY
311+42 41' RT. WATER METER
311+45 50' RT. POWER POLE
311+55 59' RT. LIGHT POLE
311+56 11' LT. TELE. POLE
311+80 54' RT. DRAIN INLET
312+07 20' LT. FENCE CORNER
312+12 49' RT. DRIVEWAY
312+32 49' RT. DRAIN INLET
312+33 5' LT. DRIVEWAY
312+87 32' RT. SEWER MH
312+98 5' LT. DRIVEWAY
313+20 9' LT. TELE. POLE
313+49 49' RT. MH
313+51 16' LT. FIBER MARKER
313+69 CULVERT
313+72 8' LT. HEADWALL
313+77 CULVERT
313+89 50' RT. DAWN WAY
314+16 33' RT. SEWER MH

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-BLACK 1.25" 1-BLUE 1.5" 1-ORANGE 1.5"

308+43	309+14
309+14	314+43
71'	529'
2.11	BORE
2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE
ERIK BALLJUG	JEFF McKOY
11.21.00	3-18-01
TIDWELL	TIDWELL
IN 6GA.	BLACK 1.25" HDPE TRACER WIRE
GLORIA	THEOR
7-9-01	

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
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- State Hwy.
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- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OH Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/20

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-10W-SPRD4

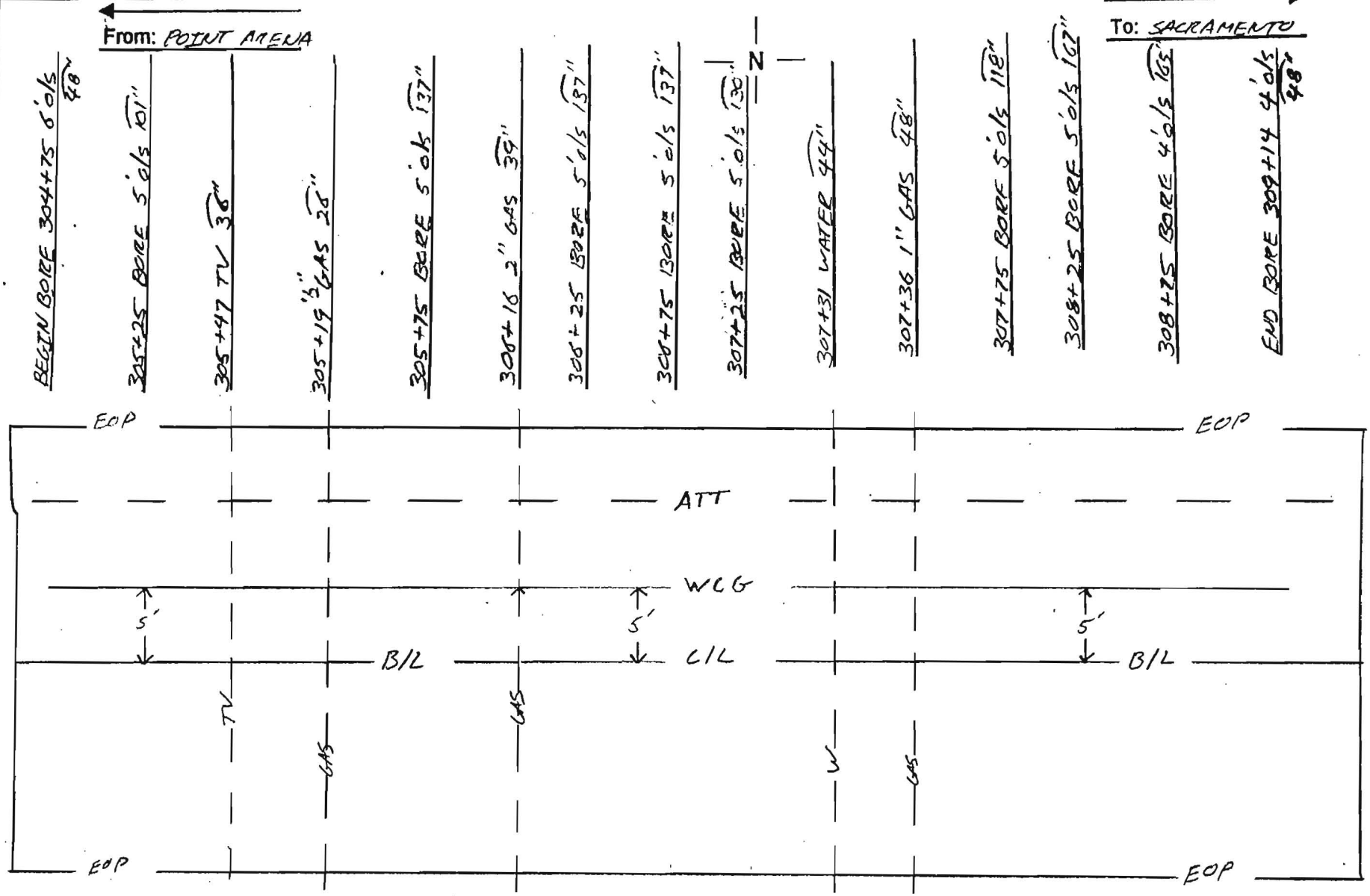
Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-2
Page No. 1 of 3
Drawing #: SAR-9W, 10W

From: POINT ARENA

To: SACRAMENTO



Notes: PAY 11-21-00

County: SONOMA

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

Contractor: TIDWELL

Inspector: ERIK BALLING

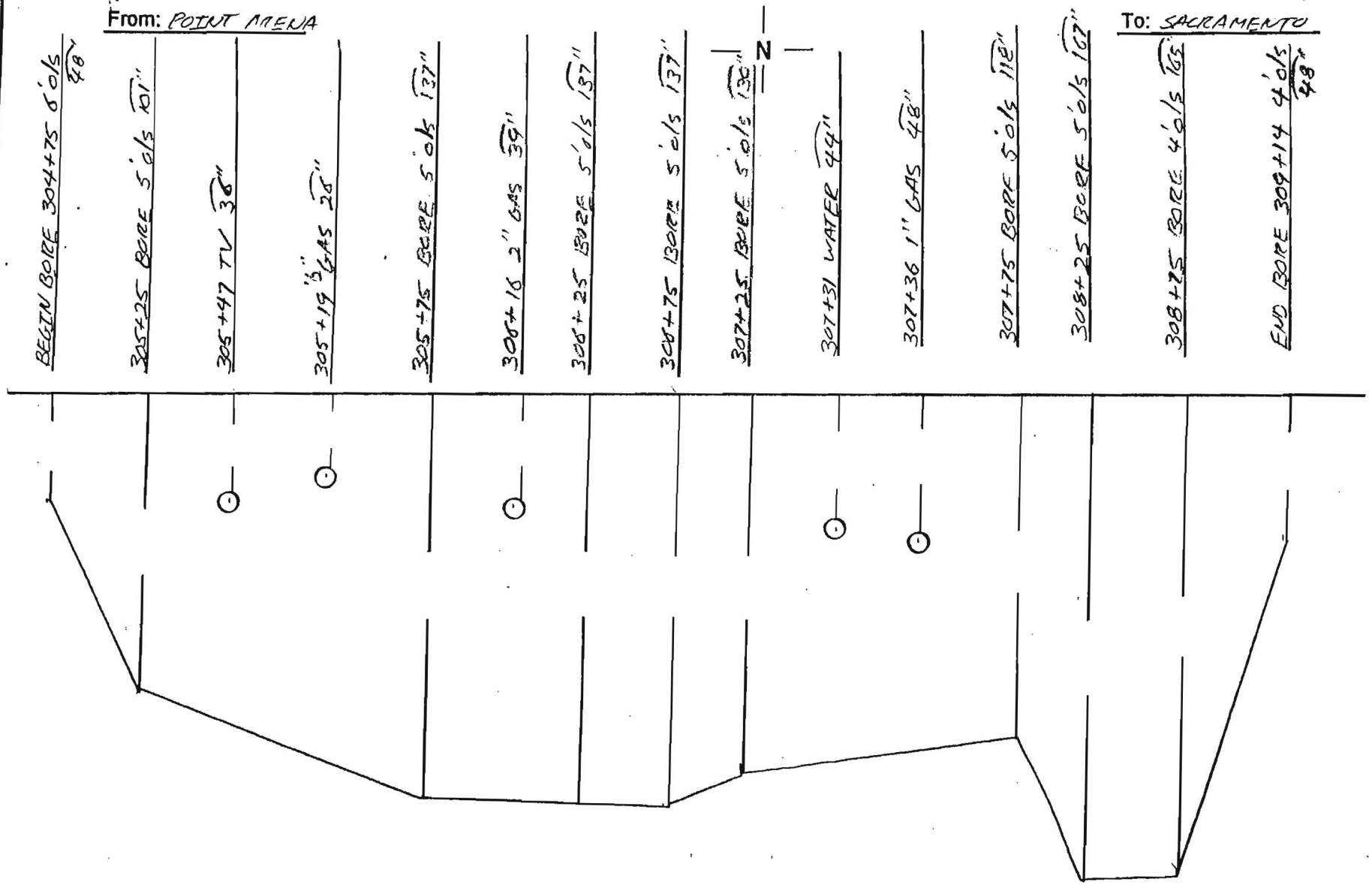
Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154, 11

Date: 11-21[illegible]
Page No. 2 of 2
Drawing #: SAR - 9W, 10W

From: POINT ARENA

To: SACRAMENTO



Notes: PAY 11-21-00

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

Williams

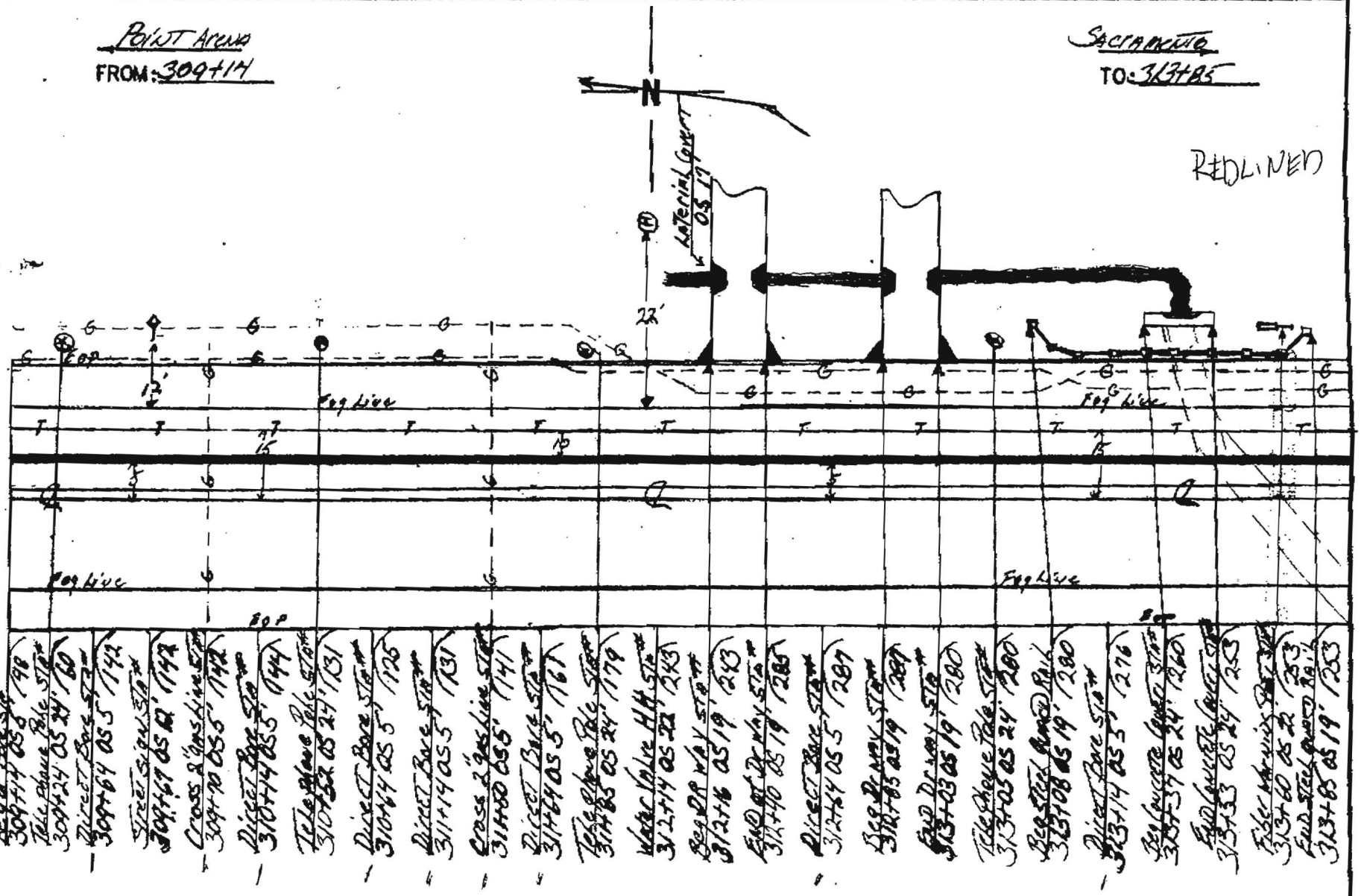
CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD
03-18-01	4875	W-10	44

POINT ARENA
FROM: 309+14

SACRAMENTO
TO: 313+85

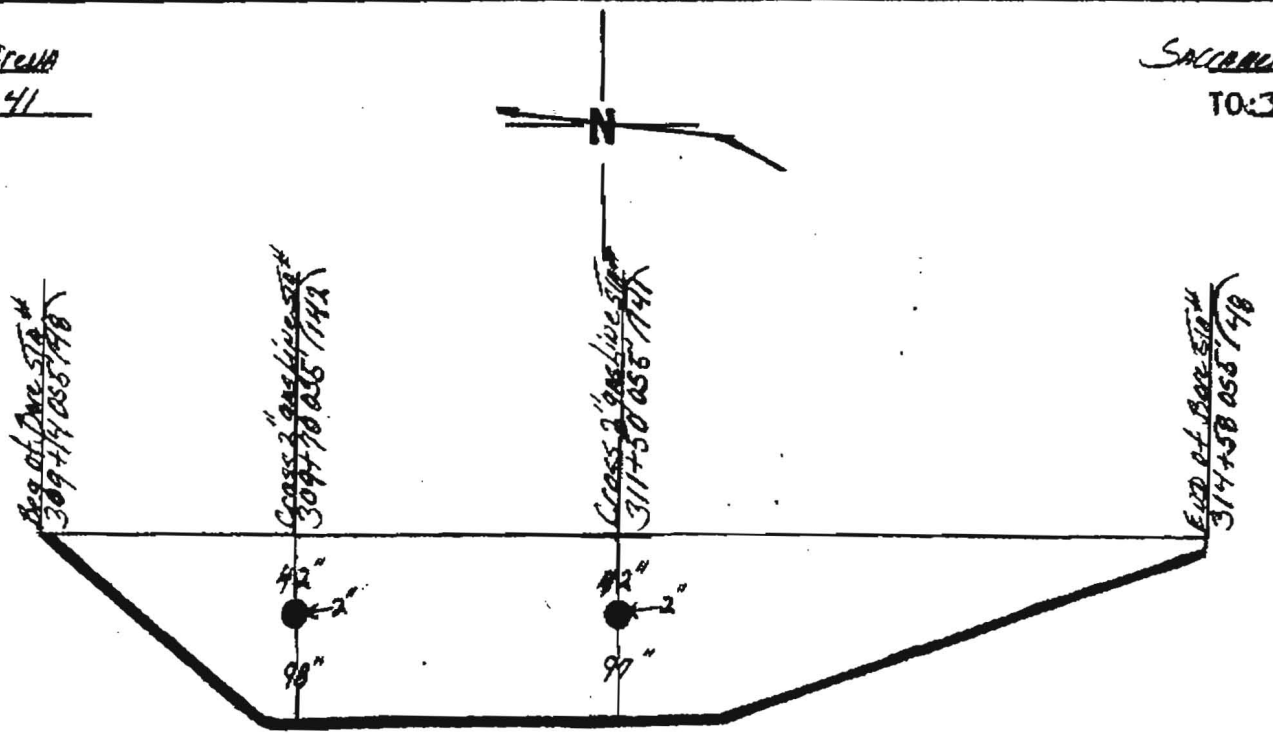
REDLINED


N
Lateral Lower 05 19'
22'
13'
15'
15'
EOP
Fog Line
Fog Line
Fog Line
Fog Line
EOP
Fog Line
Fog Line
Fog Line
Fog Line

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD
		03-18-01	4875	W-10	4A

FROM: 309+41 ← Point Arena

TO: 314+58 → Sacramento



NOTES: Profile As-built - on OLD REDWOOD Hwy
See Direct Bore As-built Dated 03-18-01

COUNTY: SONOMA

CONTRACTOR: Tidwell

DUCT CONFIGURATION: 1 Orange 1.5" Blue 1.25" Black

INSPECTOR: Jeff D McKoy

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

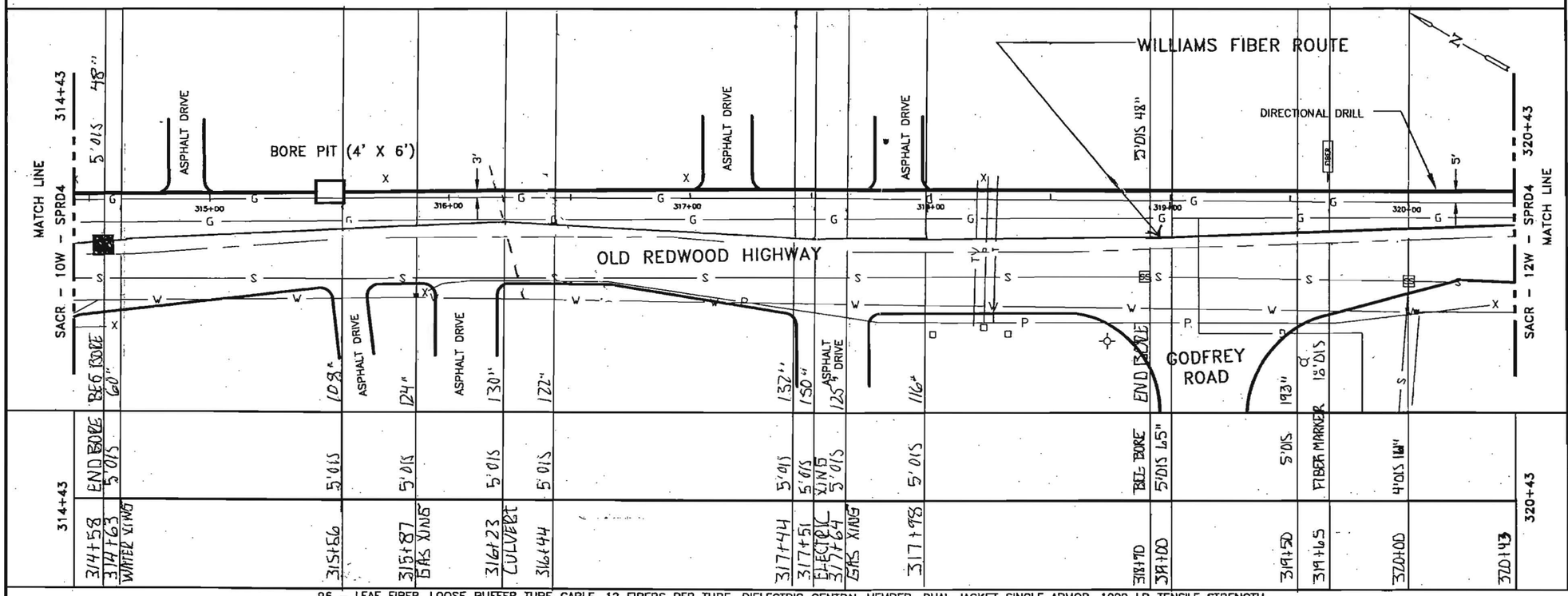
314+44 8' LT. TELE. POLE
314+60 52' RT. POWER POLE
314+80 5' LT. DRIVEWAY
315+06 PLACE HANDHOLE
314158 MANHOLE 3-17-01
315+58 38' RT. DRIVEWAY
315+73 8' LT. TELE. POLE
315+86 40' RT. WATER METER
316+07 36' RT. DRIVEWAY
316+36 8' LT. HEADWALL
316+41 CULVERT
316+66 43' RT. HEADWALL
316+98 8' LT. TELE. POLE
317+16 6' LT. DRIVEWAY
317+59 49' RT. DRIVEWAY
317+82 23' LT. WATER METER
317+87 5' LT. DRIVEWAY
318+14 59' RT. LIGHT POLE
318+23 7' LT. TELE. POLE
318+24 GAS LINE
318+90 33' RT. SEWER MH
319+16 50' RT. GODFREY RD.
319+65 14' LT. FIBER MARKER
320+00 34' RT. SEWER MH
320+03 46' RT. WATER METER
320+36 43' RT. POWER POLE

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.5" HDPE 1-BLACK 1.25" 1-ORANGE 1.5"

314+43	314+58	318+90
314+58	318+90	320+45
15'	432'	155'
BORE	BORE	BORE
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
JEFF MCKOY	JEFF MCKOY	ERIK BOWLDS
3-18-01	5-17-01	11-22-00
TIDWELL	TIDWELL	TIDWELL

IN BLACK 1.25" HDPE
GSA TRACER WIRE
GLORIA TABOR
7-9-01

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1-800-227-2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE	MW	10/20

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-11W-SPRD4

MAP: 314+43 - 318+90 = 447'

Williams

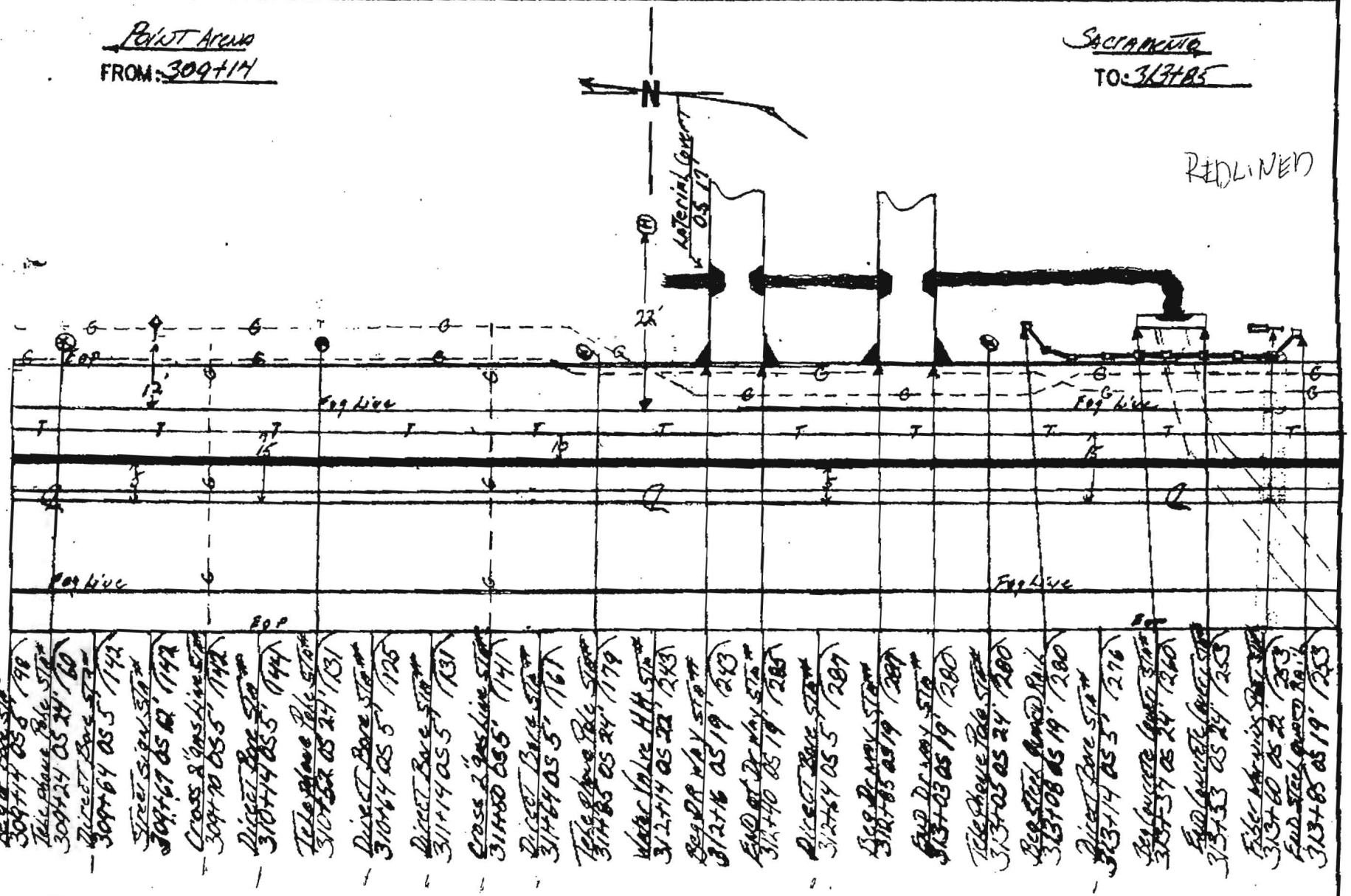
CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG / AUTOCAD SHEET	
03-18-01	4875	W-10	4

POINT ARENA
FROM: 309+14

SACRAMENTO
TO: 363+85

REDLINED



NOTES: Direct Bore As built - OLD REDWOOD Hyway.

COUNTY: SONOMA

DUCT CONFIGURATION: 1.5 Orange/1.5 Blue 1.25 Black

CONTRACTOR: Tidwell

INSPECTOR: Ted McKay

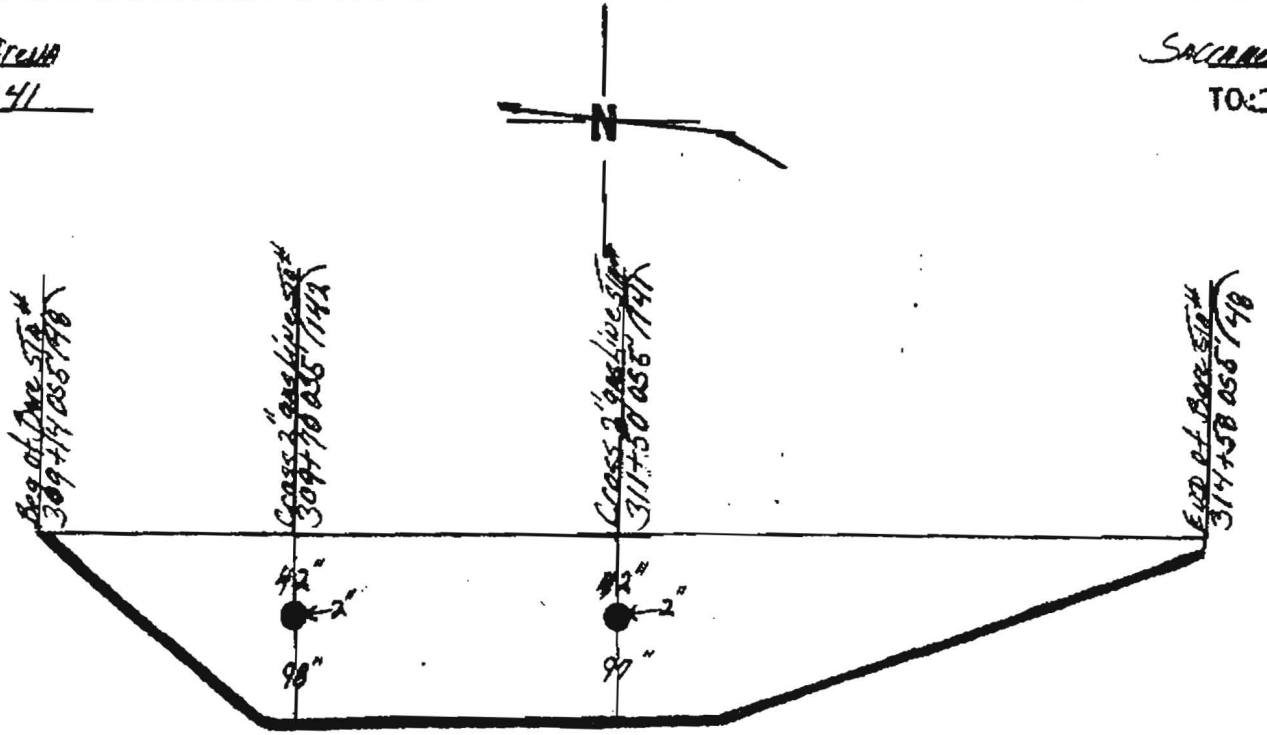
Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD
03-18-01	4875	W-10	4A

FROM: Point Arena 309+41

TO: Sacramento 314438



NOTES: Profile As-built - on Old Redwood Highway
See Direct Bore As-built Dated 03-18-01

COUNTY: Sonoma

CONTRACTOR: Tidwell

DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black

INSPECTOR: Jeff D McCoy

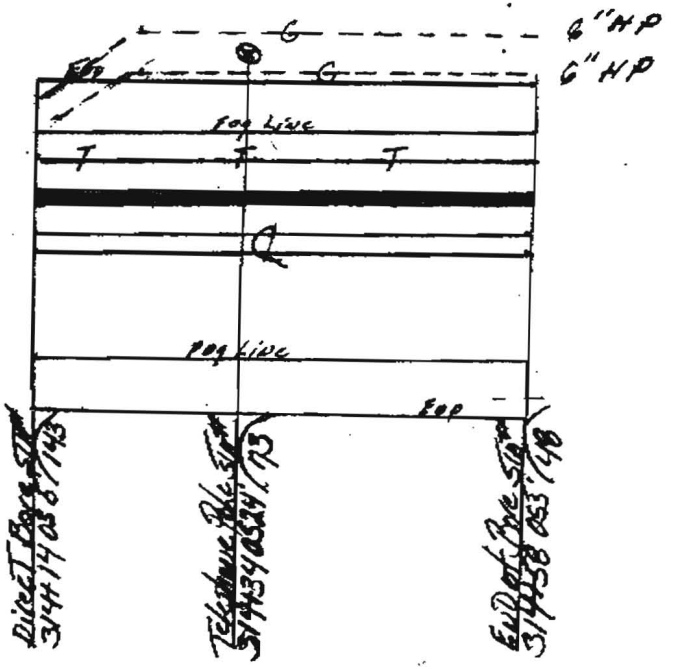
Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 03-18-01	PROJECT # 4875	DWG / ALIGNMENT SHEET W-10	SPREAD 4A

Point Arena
FROM: 314+14

Sacramento
TO: 314+58

REDLINE



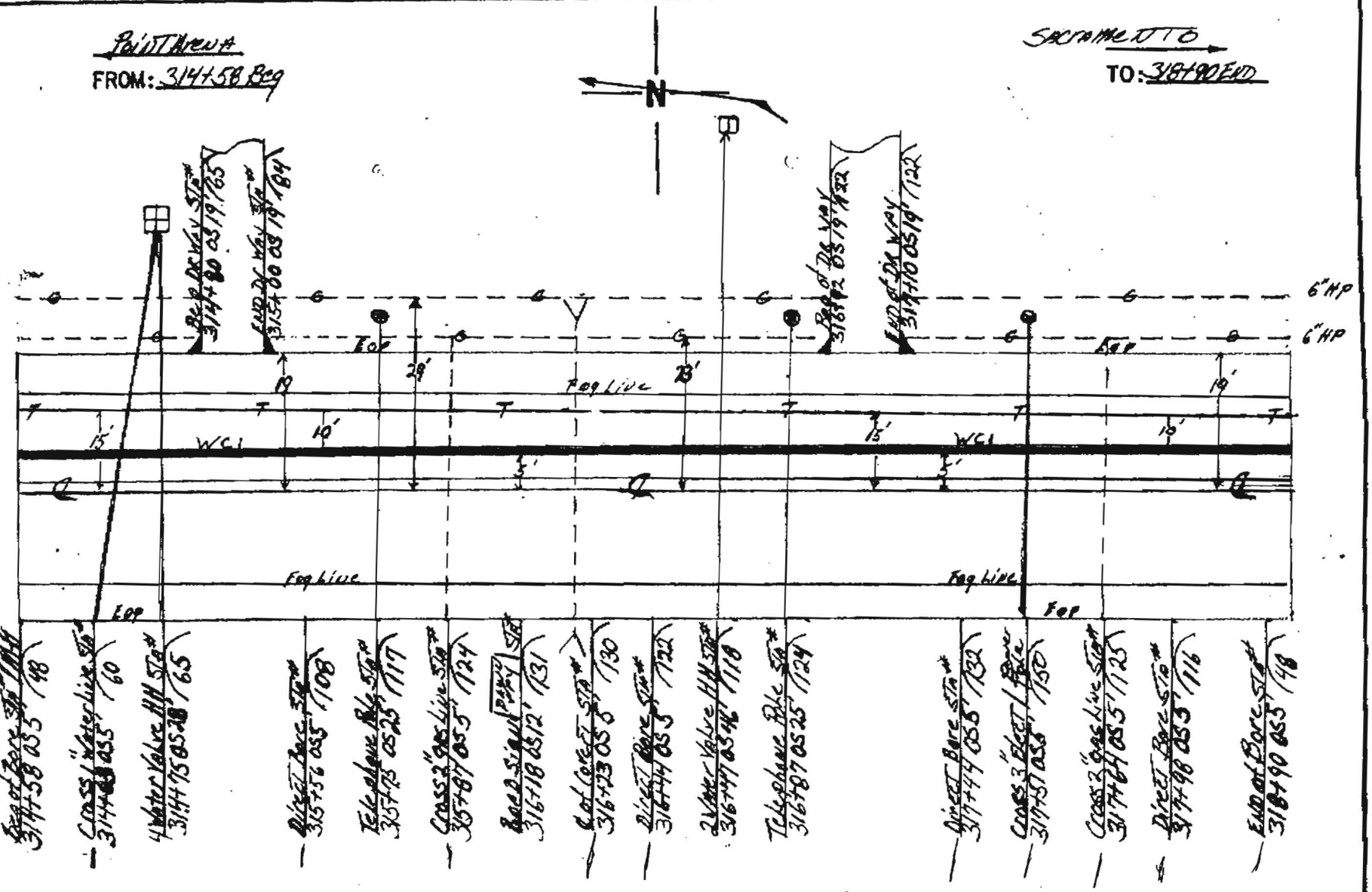


NOTES: Direct Bore As-built - Old Redwood Hyway	COUNTY: Sonoma	CONTRACTOR: TD Nell
	DUCT CONFIGURATION: 1.5 Orange 1.5 Blue 1.25 Black	INSPECTOR: Jeff D McKoy

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DA	PROJECT #	DWG / ALIGNMENT SHEET	SPREAD
03-19-01	4875	W011	44



NOTES: Direct Bore As-built - Healdsburg, J-
Drainage on OLD REDWOOD RD - 432'

COUNTY: SONOMA

CONTRACTOR: TJD Well

DUCT CONFIGURATION: 1-5 Orange 1-5 Blue 1-25 Black

INSPECTOR: Jeff D McKoy

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

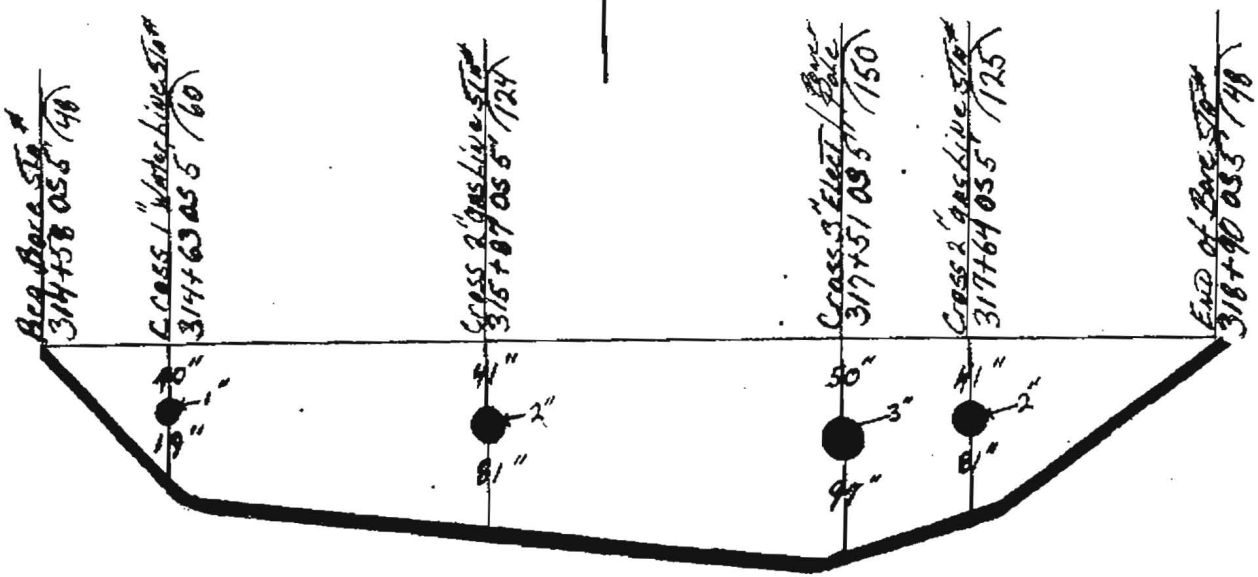
DATE	PROJECT #	DWG / ALIGNMENT SHEET	SHEET #
03-17-01	4875	W-11	44

Point Arena

FROM: 314438

Sacramento

TO: 318+90



NOTES: Profile As built on Old Redwood Hwy
See Direct Bore As built Date 03-17-01

COUNTY: Sonoma

CONTRACTOR: TD Well

DUCT CONFIGURATION: 1.3 Orange 1.5 Blue 1.25 Black

INSPECTOR: Jake D McKay

Williams Construction As-Built Documentation

Spread Location: WINDSOR

Spread No. 4A

AFE No. 4875

Contract No. 99P154.11

Date: 11-22

Page No. 1 of 2

Drawing #: SARC-11W, 12W

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 318+80 5'o/s 48"

318+00 BORE 5'o/s 85"

319+50 BORE 5'o/s 193"

319+65 FIBER MARKER 18'o/s

320+00 BORE 4'o/s 181"

320+43 MATCHLINE

320+50 BORE 5'o/s 135"

321+00 BORE 5'o/s 131"

321+27 3" GAS 48"

321+50 BORE 3'o/s 121"

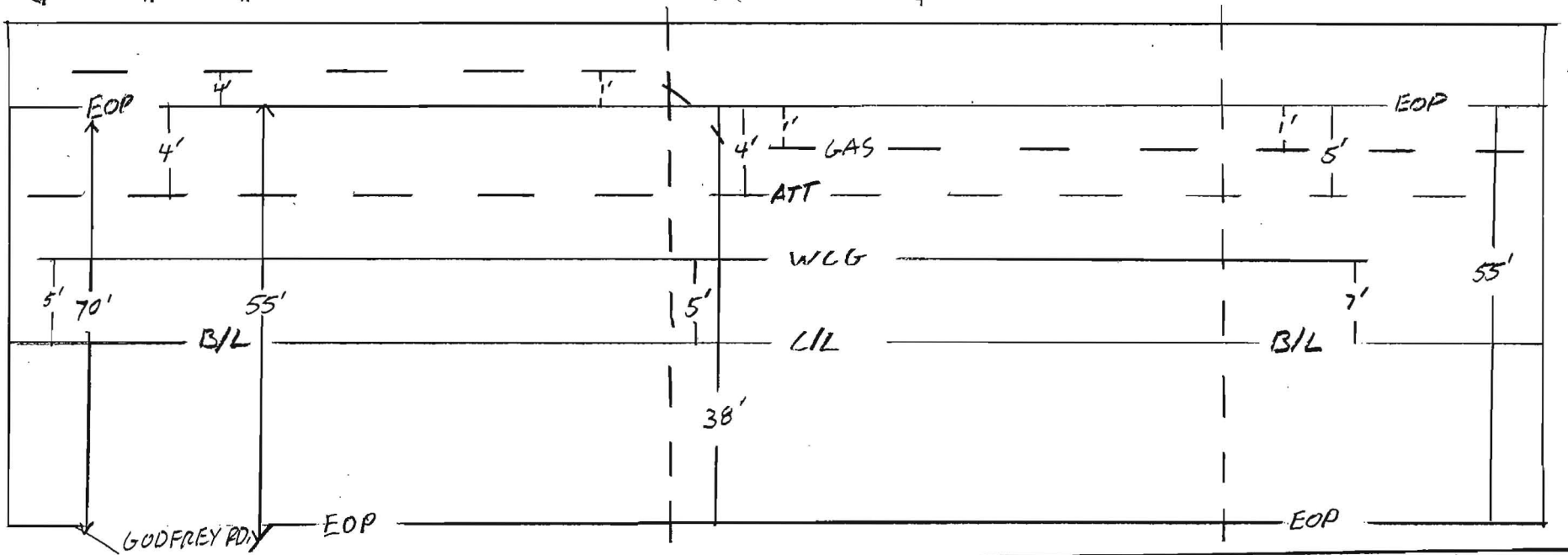
322+00 BORE 3'o/s 128"

322+50 BORE 5'o/s 174"

323+00 BORE 5'o/s 93"

323+01 3" GAS 41"

END BORE 323+50 7'o/s 48"



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½"
1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

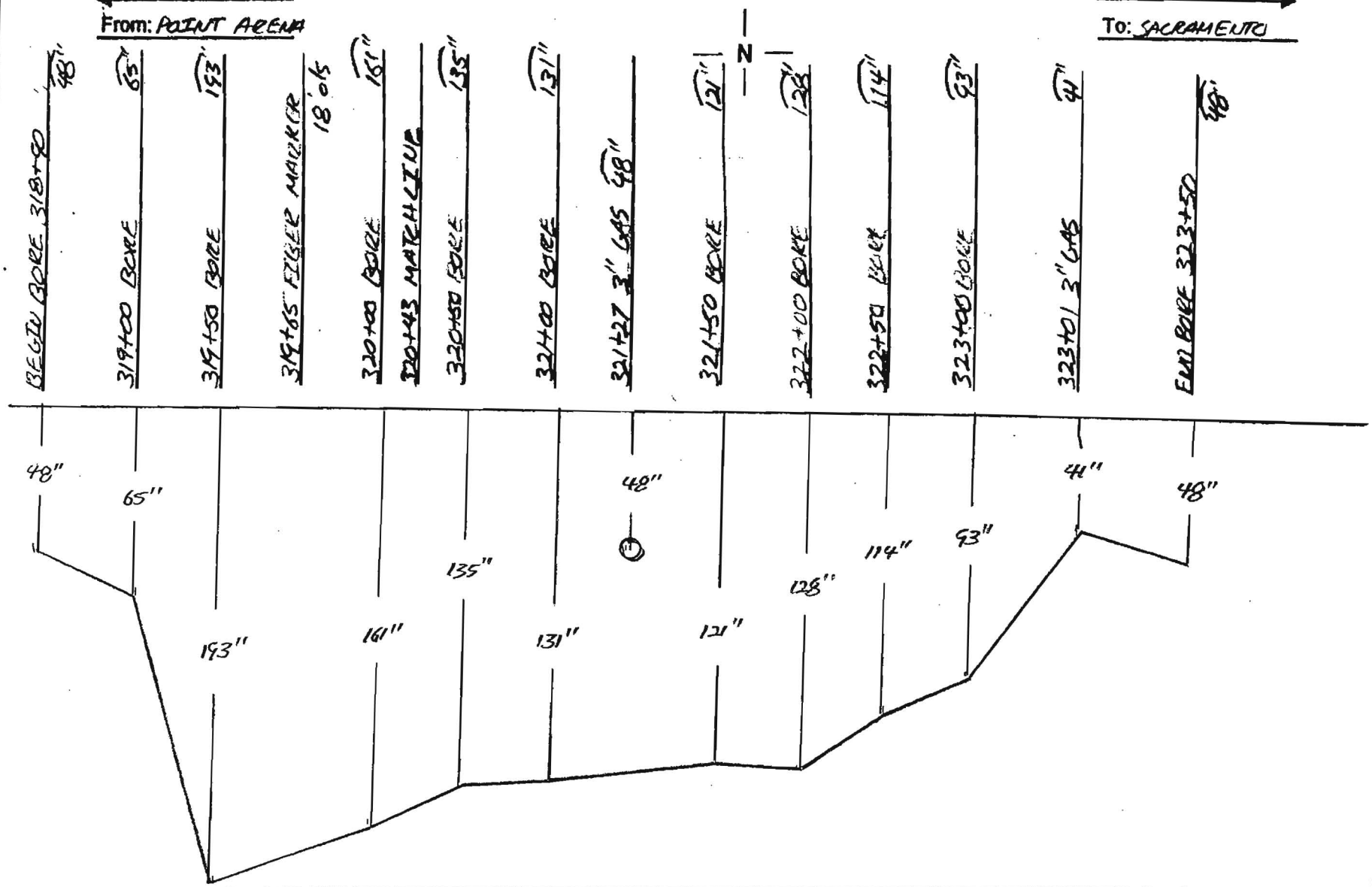
Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-20-
Page No. 2 of
Drawing #:
SARC-11W, 12W

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDWELL
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

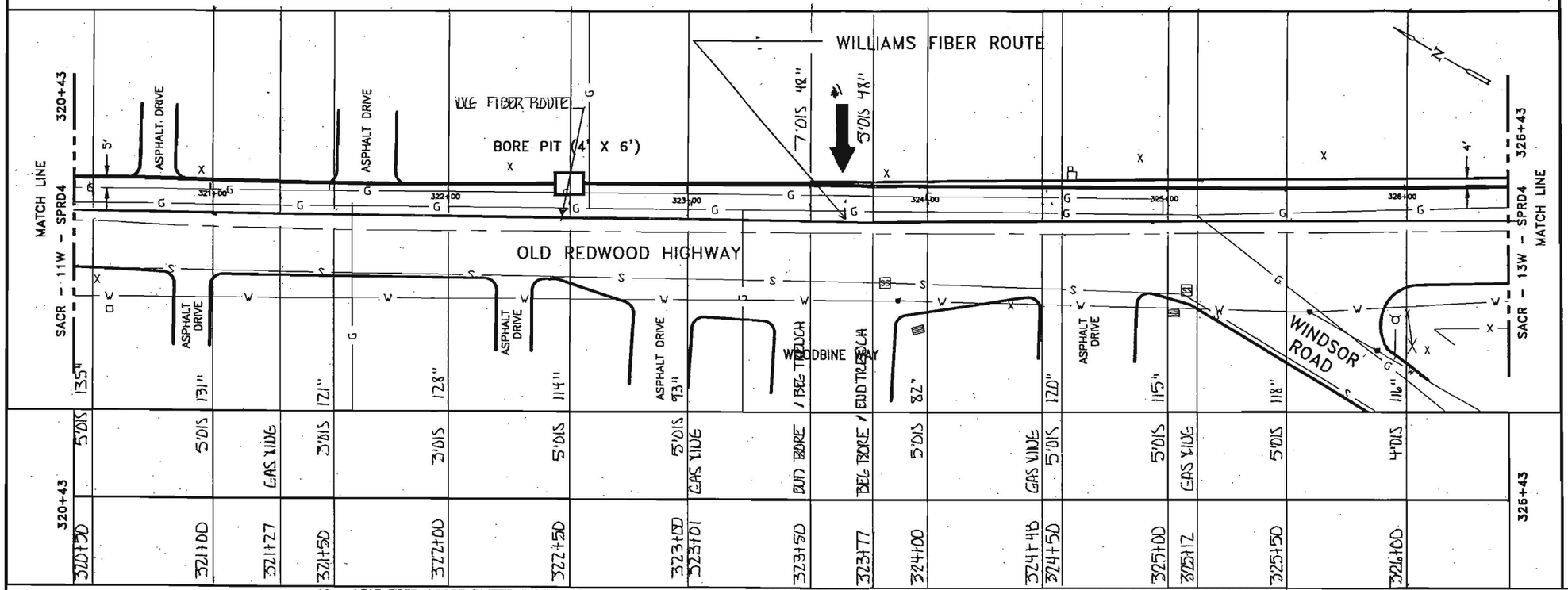
320+53 39' RT. POWER POLE
320+78 5' LT. DRIVEWAY
320+93 38' RT. DRIVEWAY
320+98 11' LT. TELE. POLE
321+65 6' LT. DRIVEWAY
322+26 12' LT. TELE. POLE
322+28 40' RT. DRIVEWAY
322+89 52' RT. DRIVEWAY
323+61 59' RT. WOODBINE WAY
323+82 38' RT. SEWER MH
323+83 12' LT. TELE. POLE
323+87 46' RT. WATER METER
323+96 58' RT. DRAIN INLET
324+35 49' RT. POWER POLE
324+67 46' RT. DRIVEWAY
324+89 13' LT. TELE. POLE
325+03 52' RT. DRAIN INLET
325+07 44' RT. SEWER MH
325+49 52' RT. WINDSOR RD.
325+59 51' RT. WATER METER
325+66 14' LT. TELE. POLE
325+87 67' RT. WATER METER
325+97 62' RT. FIRE HYDRANT
326+01 52' RT. POWER POLE
326+09 67' RT. POWER POLE
326+12 59' RT. FENCE CORNER

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)
1-1.25" HDPE 1-1.5" BLUE 1-1.5" HDPE ORANGE

320+43
323+50
307'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
11_22.0D
TIDWELL
321+27 GAS VINE
323+01 GAS VINE

IN BLACK 1.25 HDPE
66A. TRACER WIRE
GLORIA TABOR
7-9-01

322+50
323+77
27'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
12_21.0D
TIDWELL

323+77
326+93
266'
2.11
2-1.5" HDPE
1-1.25" HDPE
ERIK BALLING
11_27.0D
TIDWELL
324+48 GAS VINE
325+17 GAS VINE

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/20

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE UNIT PLACE
FUTURE–3	
FUTURE–4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–12W–SPRD4

Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

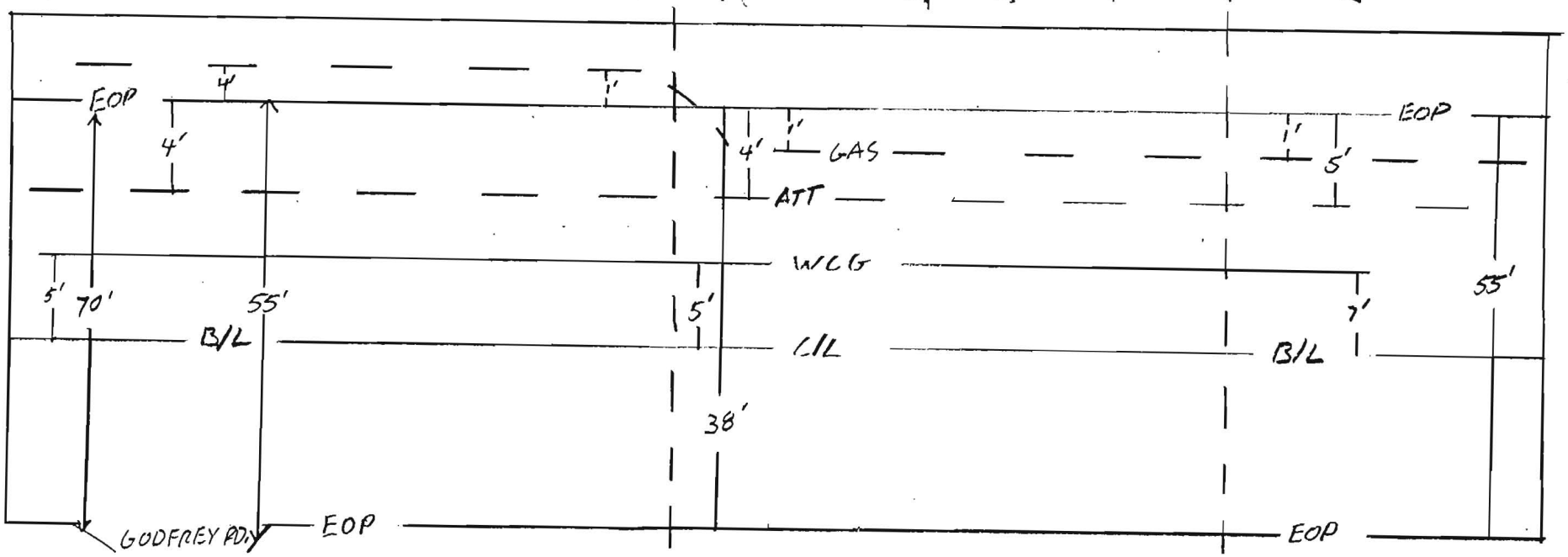
Date: 11-22[illegible]
Page No. 1 [illegible]
Drawing #: SARC-11W, 12W

From: POINT AREMA

To: SACRAMENTO

N

BEGIN BORE 318+80 5'o/s 48"
319+00 BORE 5'o/s 65"
319+50 BORE 5'o/s 153'
319+85 FIBER MARKER 18'o/s
320+00 BORE 4'o/s 151"
320+43 MATCHLINE
320+50 BORE 5'o/s 135"
320+00 BORE 5'o/s 131"
321+27 3" GAS 48"
321+50 BORE 3'o/s 121"
322+00 BORE 3'o/s 128"
322+50 BORE 5'o/s 114"
323+00 BORE 5'o/s 93"
323+01 3" GAS 41"
END BORE 323+50 7'o/s 48"



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"

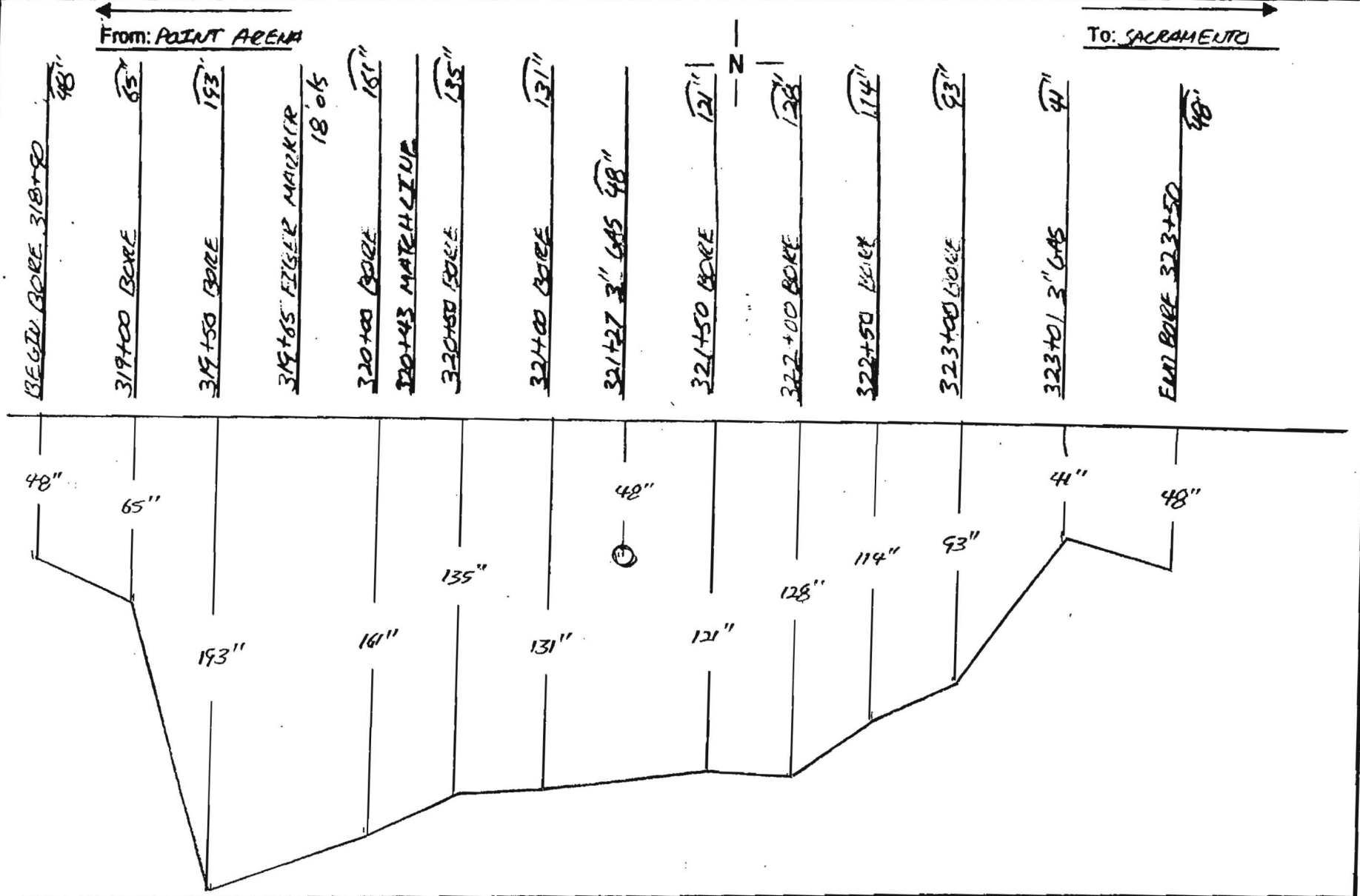
Inspector: ERIK BALLING

Williams Construction -Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-20-9
Page No. 2 of
Drawing #: SARC-11W, 12W

From: POINT ARENA — To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½"
1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

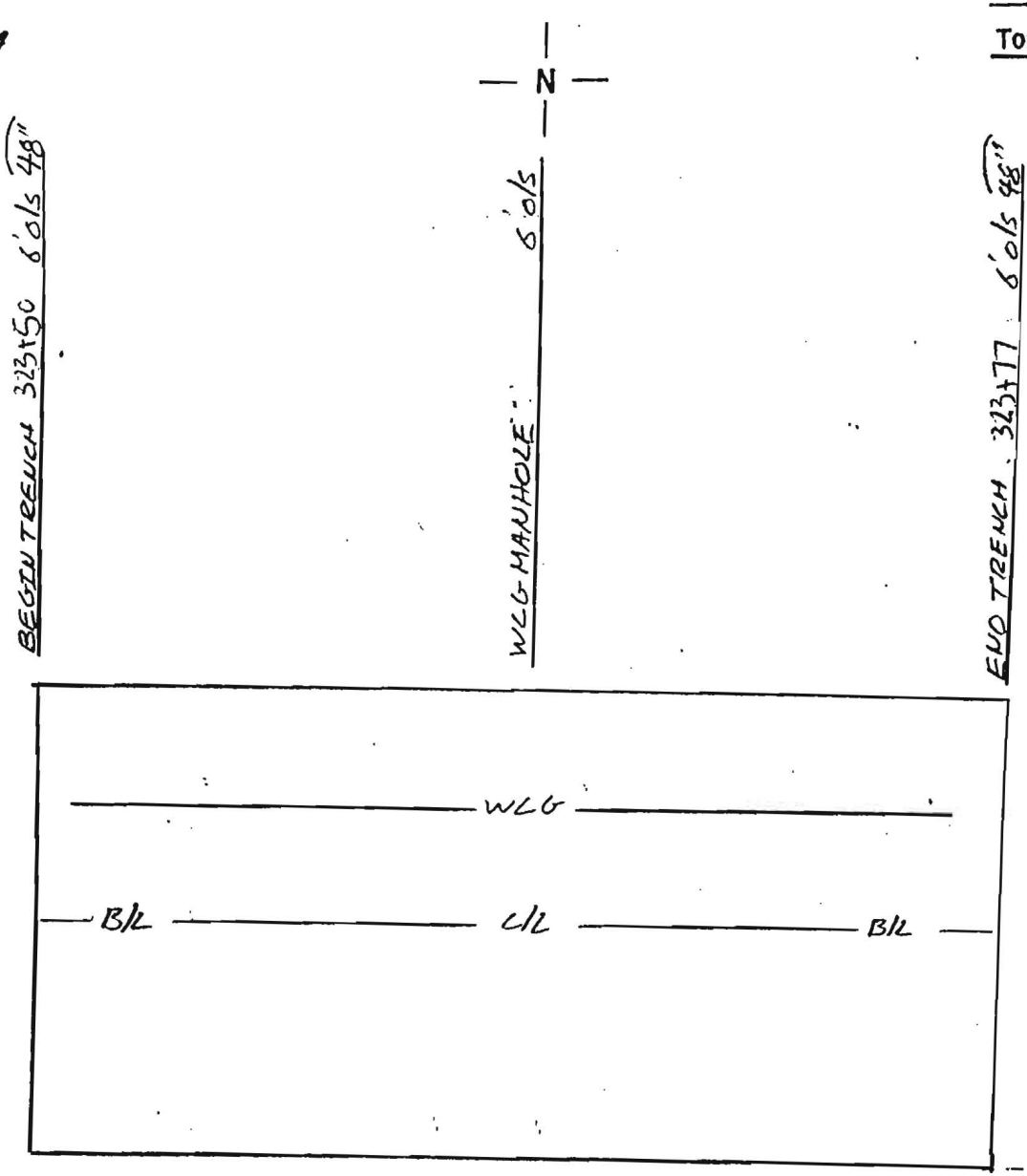
Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154.11

Date: 12-6-[illegible]
Page No. 1
Drawing #: SARC-14W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½"
[illegible] 1¼"

Inspector: ERIK BALLING

Williams Construc[illegible] As-Built Documentation

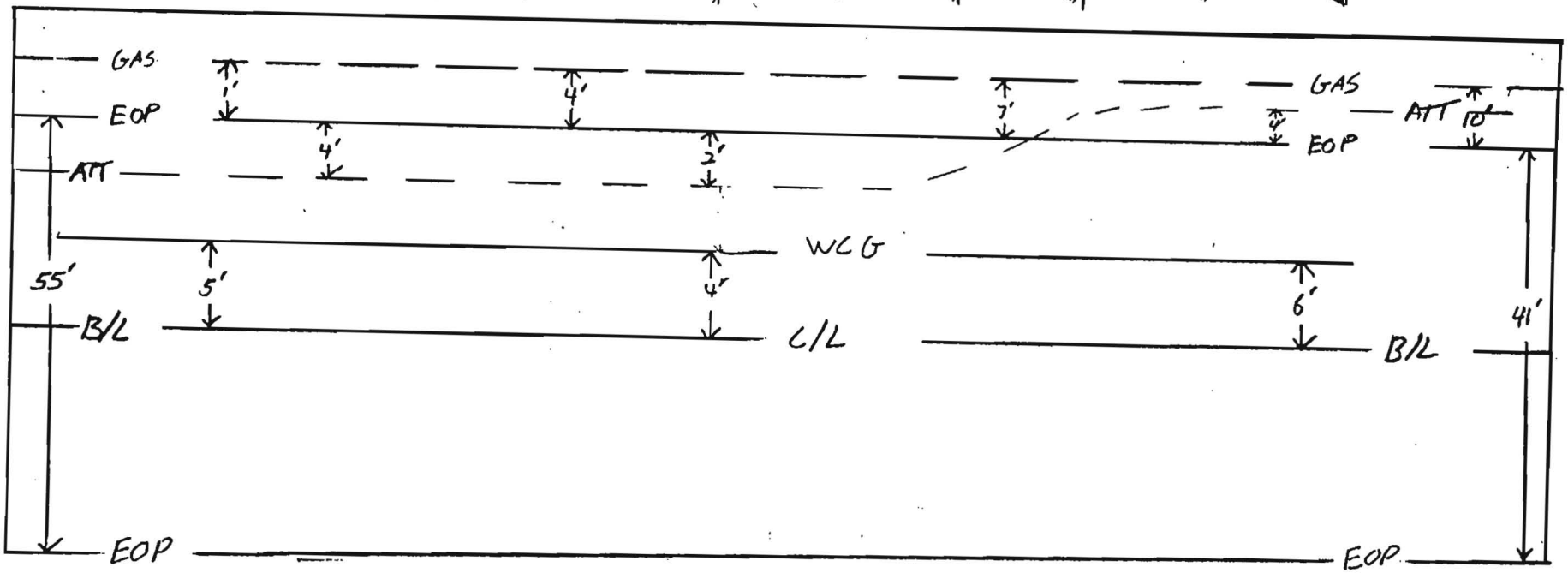
Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-2[illegible]-00
Page No. 1 [illegible]2
Drawing #: SARC-12W-13W

From: POINT AREMA — To: SACRAMENTO

N

BEGIN BORE 323+27 5'o/s 48"
324+00 BORE 5'o/s 62"
324+48 1" GAS 31"
324+50 BORE 5'o/s 130"
325+00 BORE 5'o/s 115"
325+42 6" GAS 68"
325+50 BORE 5'o/s 118"
326+00 BORE 4'o/s 114"
326+43 MATCHLINE
326+50 BORE 4'o/s 117"
327+00 BORE 4'o/s 115"
327+50 BORE 5'o/s 112"
END BORE 327+89 6'o/s 48"



Notes: PAID 11-27-00

County: SONOMA

Duct Configuration: 1- ORANGE 1½" 1- BLACK 1½", 1-BLACK 1¼"

Contractor: TIDWELL

Inspector: ERIK BALLING

Williams Construct As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

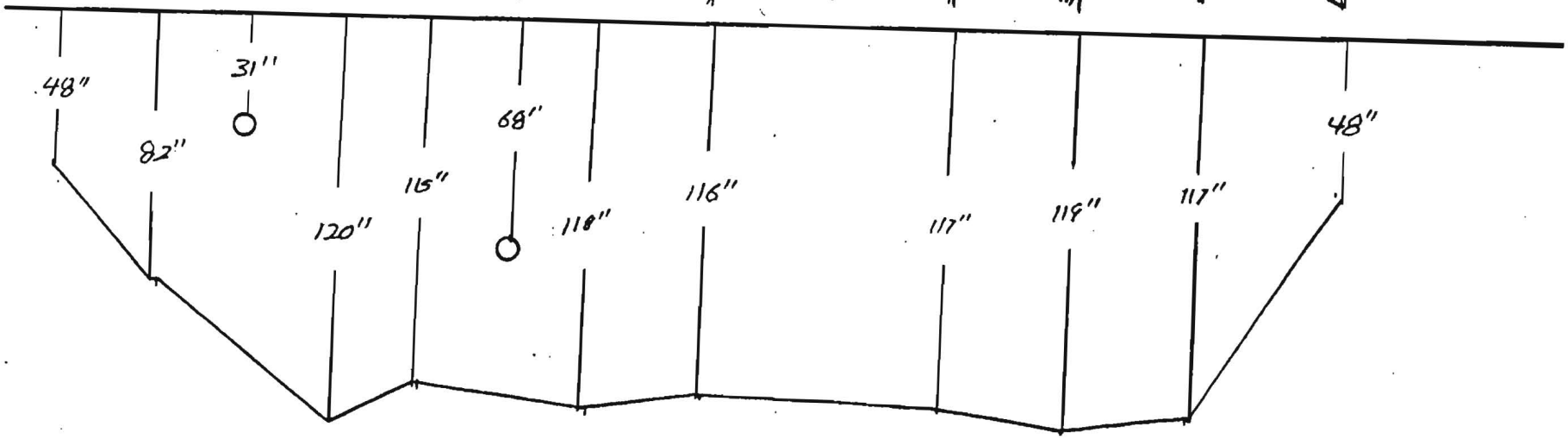
Date: 11-27-00
Page No. 2
Drawing #:
SARC-12W-15W

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 323+27	324+00 BORE	324+48 1" GAS	324+50 BORE	325+00 BORE	325+42 6" GAS	325+50 BORE	326+00 BORE	326+45 MATCHLINE	326+50 BORE	327+00 BORE	327+50 BORE	END BORE 327+89
48"	82"	31"	120"	115"	68"	118"	116"		117"	119"	117"	48"



Notes: PAID 11-27-00

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1- ORANGE 1½" 1- RED 1½" 1-BLACK 1¼"

Inspector: FRIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

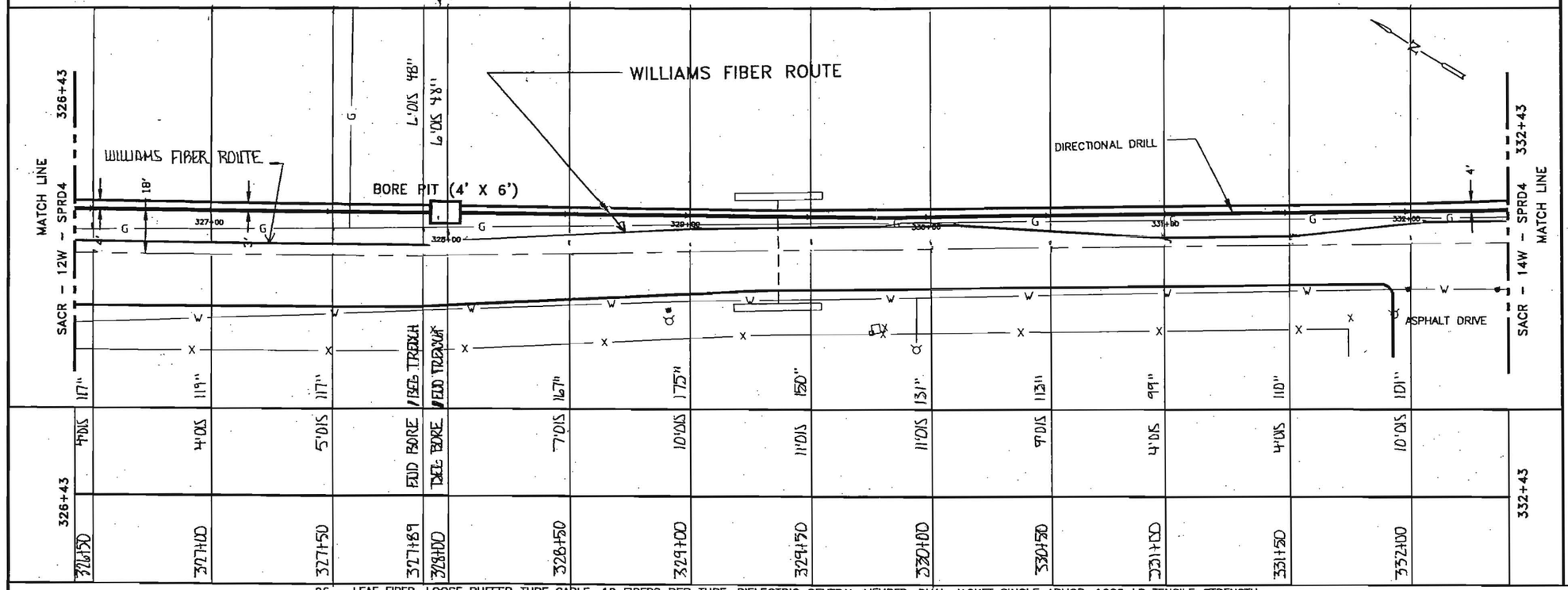
327+95 49' RT. POWER POLE
327+96 SPLICE MH
328+93 39' RT. WATER METER
328+95 62' RT. FIRE HYDRANT
329+37 CULVERT
329+38 10' LT. HEADWALL
329+38 38' RT. HEADWALL
329+82 45' RT. POWER POLE
331+75 49' RT. FENCE CORNER
331+77 44' RT. POWER POLE
331+87 51' RT. FIRE HYDRANT
332+01 32' RT. WATER METER
332+24 30' RT. DRIVEWAY
332+38 33' RT. WATER METER

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)
1-1.5" BLUE 1-1.25" BLACK 1-1.5" ORANGE

326+43 327+89 146'	327+89 328+00 11'	328+00 332+43 443'
Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLOG 11.27_OD TINDELL	Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLOG 1.9_OD TINDELL	Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLOG 11.28_OD TINDELL

IN BLACK 1.25" HDPE
GGA, 7 DUCT WIDE
GLORIA TABOR
7-9-01

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–945–2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

1–800–227–2600

DRAWING DISCLAIMER

FACILITY LOCATIONS ARE GENERAL IN NATURE WILLIAMS WILL NOT BE HELD ACCOUNTABLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THESE DRAWINGS.

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/20

CABLE DESCRIPTION
- CABLE FIBER COUNT MFG. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COR. LENGTH

PIPE & INNERDUCT PLACEMENT
- INNERDUCT & TYPE (CORR/SMOOTH/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE UNIT PLACE
- FUTURE–2
- FUTURE–3
- FUTURE–4

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR–13W–SPRD4

Williams Construc As-Built Documentation

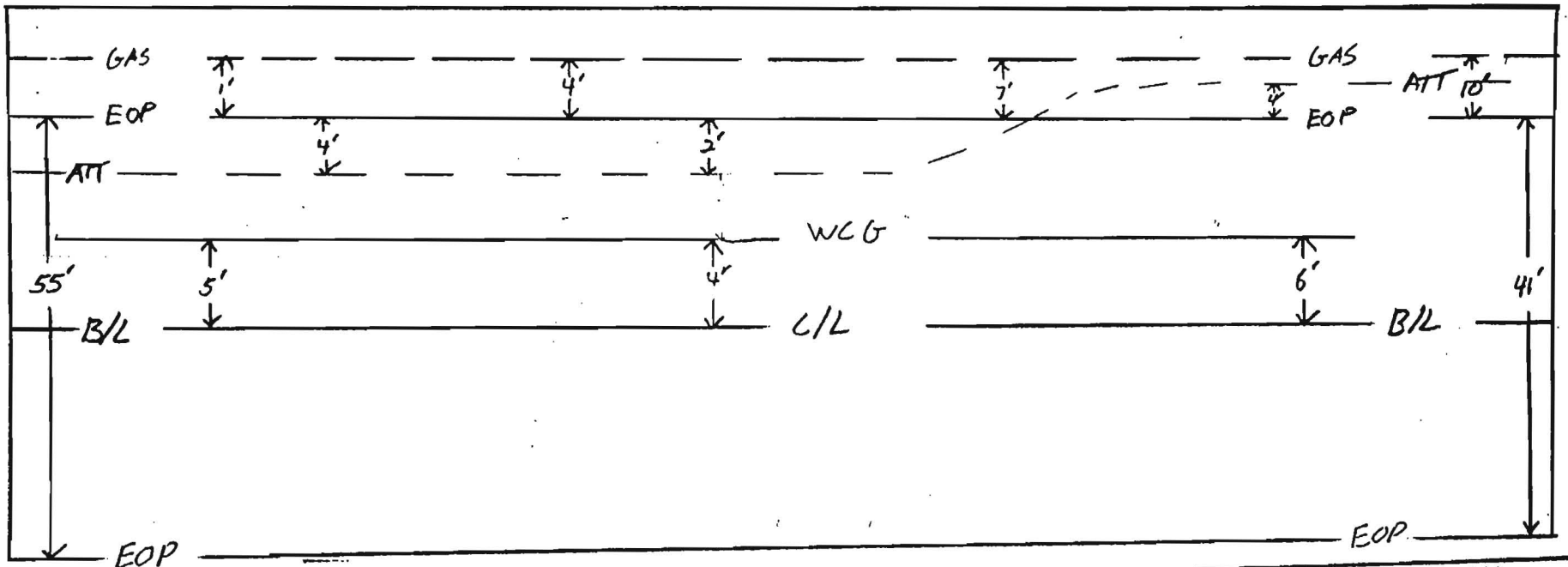
Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-27-00
Page No. 1
Drawing #: SAAK-12W-15W

From: POINT ARENA — To: SACRAMENTO

N

BEGIN BORE 323+27 5'o/s 48"
324+00 BORE 5'o/s 62"
324+48 1" GAS 31"
324+50 BORE 5'o/s 120"
325+00 BORE 5'o/s 115"
325+42 6" GAS 78"
325+50 BORE 5'o/s 118"
326+00 BORE 4'o/s 115"
326+43 MATCHLINE
326+50 BORE 4'o/s 117"
327+00 BORE 4'o/s 115"
327+50 BORE 5'o/s 112"
END BORE 327+89 6'o/s 48"



Notes: PAID 11-27-00

County: SONOMA

Duct Configuration: 1- ORANGE 1 1/2" 1-BLACK 1 1/4" 1-BLACK 1 1/4"

Contractor: TIDWELL

Inspector: ERIK BALLING

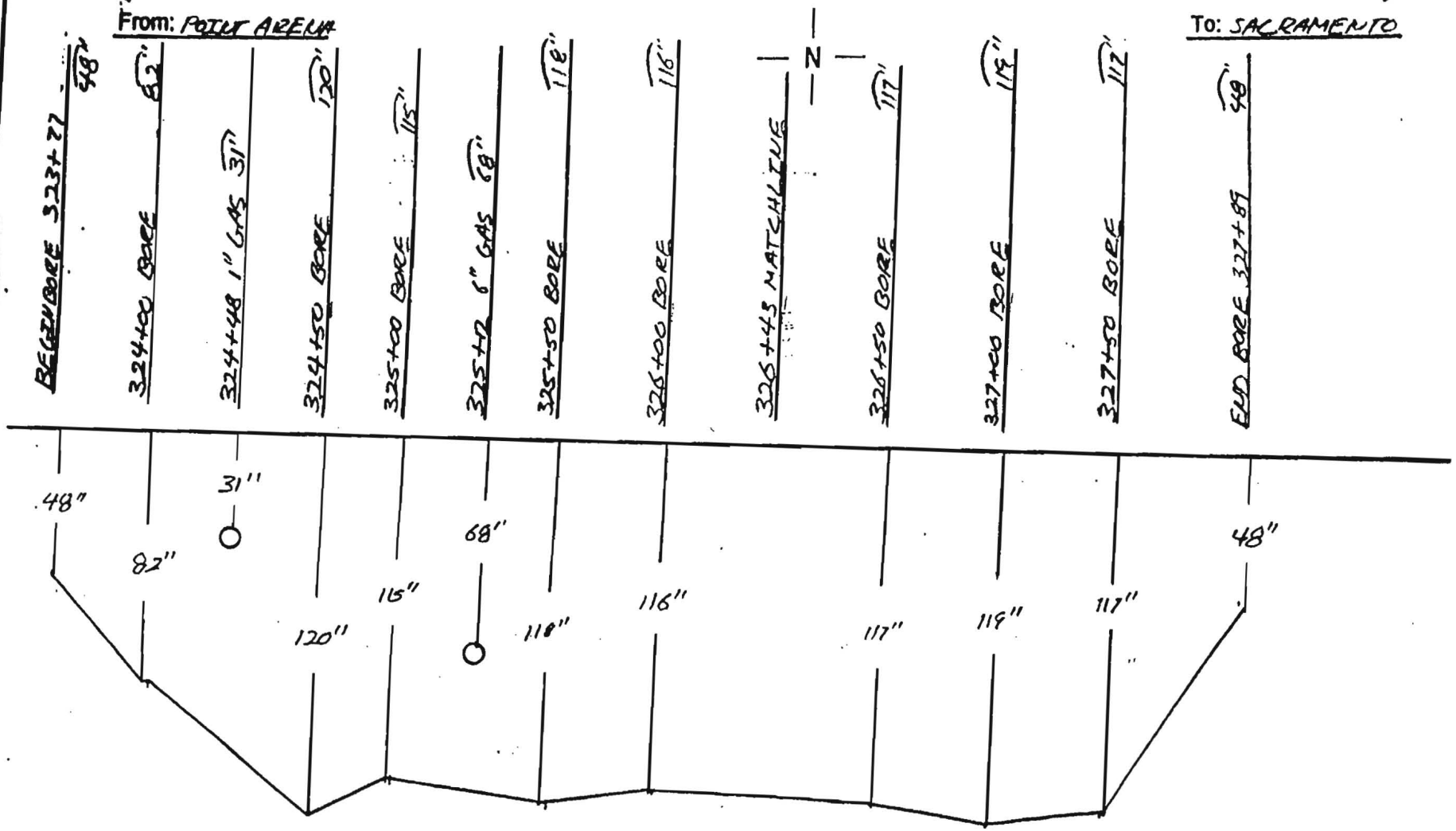
Williams Construct[illegible] As-Built Documentation

Spread Location: NINDSOI2
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-27-00
Page No. 2
Drawing #:
SARC-12W-15W

From: POINT ARENA

To: SACRAMENTO



Notes: PAID 11-27-00

County: SONOMA

Contractor: TIDEWELL

Duct Configuration: 1- ORANGE 1 1/2"
1- WHITE 1 1/4" 1-BLACK 1 1/4"

Inspector: FRIK BALLING

Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

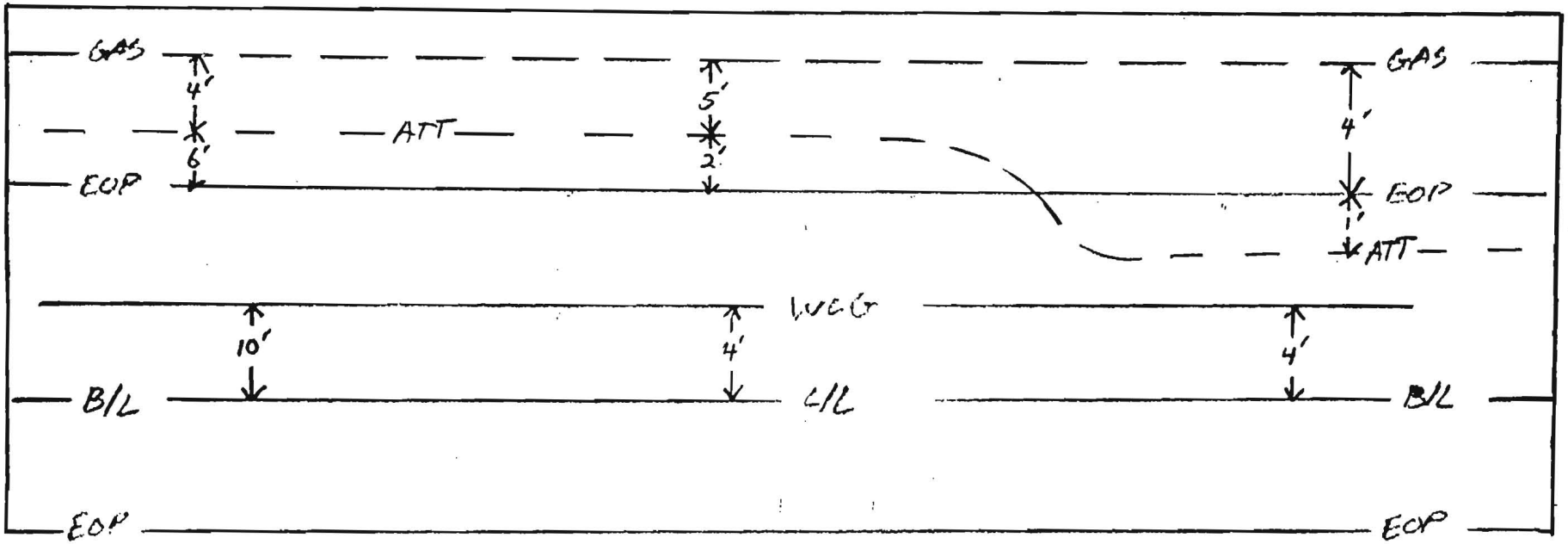
Date: 11-28-[illegible]
Page No. [illegible]
Drawing #:
SARC-13W

From: POINT ARENA

To: SACRAMENTO

BEGIN BORE 328+00 6'o/s 48'
328+50 BORE 7'o/s 162'
329+00 BORE 10'o/s 175'
329+50 BORE 11'o/s 176'
330+00 BORE 11'o/s 121'
330+50 BORE 9'o/s 113'
331+00 BORE 4'o/s 99'
331+50 BORE 4'o/s 110'
332+00 BORE 10'o/s 107'
332+43 MATCHLINE
332+50 BORE 10'o/s 148'
333+00 BORE 5'o/s 73'
END BORE 333+47 5'o/s 98'

N



Notes:

County: SONOMA

Contractor: TIDWELL

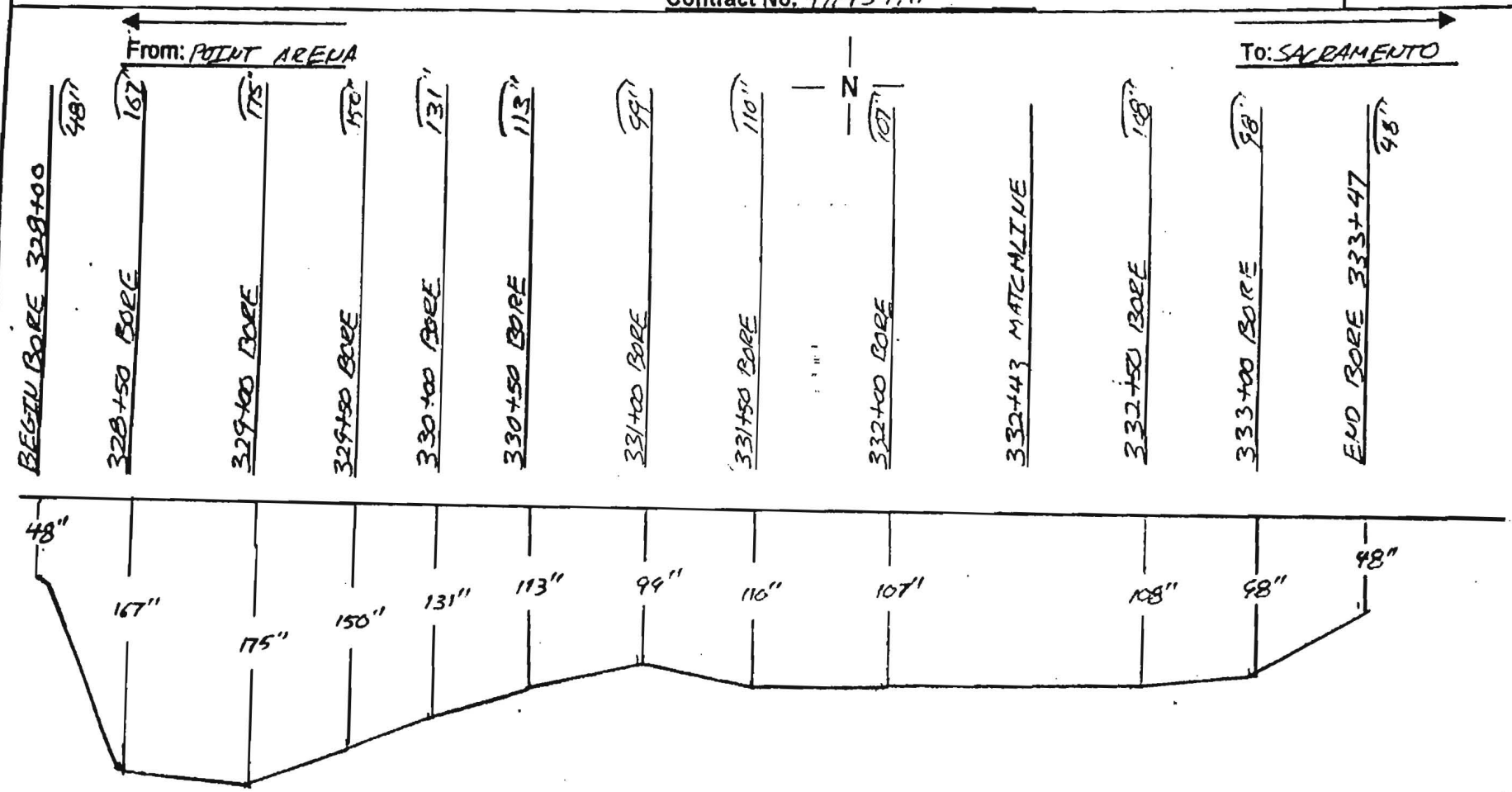
Duct Configuration: 1-ORANGE 1 1/2"
[illegible] 1/4" 1-RIALY 1 1/4"

Inspector: ERIK BALLING

Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-28[illegible]
Page No.
Drawing #: SARC-13W



Notes:	County: SONOMA	Contractor: TIDWELL
	Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2", 1-BLACK 1 1/4"	Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

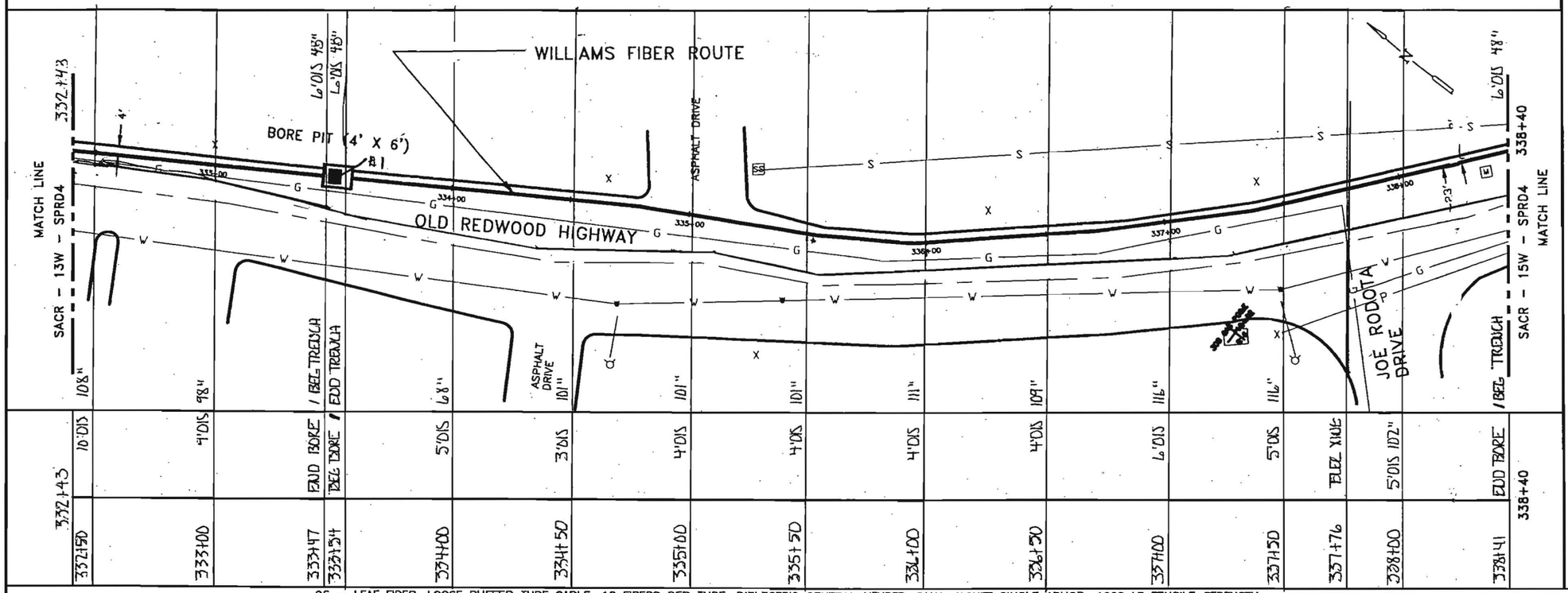
332+88 36' RT. DRIVEWAY
332+99 9' LT. TELE. POLE
333+80 UVG MANHOLE
ERIK BALLING 12_6_00
334+46 57' RT. DRIVEWAY
334+64 10' LT. TELE. POLE
334+72 67' RT. FIRE HYDRANT
334+73 41' RT. WATER METER
335+03 6' LT. DRIVEWAY
335+27 19' LT. SEWER MH
335+29 PLACE HANDHOLE
335+45 55' RT. POWER POLE
335+48 30' RT. WATER METER
336+27 12' LT. TELE. POLE
337+23 59' RT. GAS METER
337+40 64' RT. FIRE HYDRANT
337+41 11' LT. TELE. POLE
337+41 34' RT. WATER METER
337+80 JOE RODOTA DR.
338+36 6' RT. MH

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.25" BLACK 1-1.5" BLUE 1-1.5" ORANGE

332+43 to 333+47	333+47 to 333+54	333+54 to 338+41
104'	7'	487'
Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 11_28_00 TIDWELL	Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 12_6_00 TIDWELL	Z.11 2-1.5" HDPE 1-1.25" HDPE ERIK BALLING 11_27_00 TIDWELL *337+76 ELEC XING
IN BLACK 1.25 HDPE 66A - TRACER WIRE GLORIA TABOR 7-9-01		

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/16
3	REVISED DRAWING SCALE	MW	10/20

CABLE DESCRIPTION
- CABLE FIBER COUNT MFG. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & INNERDUCT PLACEMENT
- INNERDUCT & TYPE (CORR/SMOOTH/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE UNIT PLACE
- FUTURE-2
- FUTURE-3
- FUTURE-4

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-14W-SPRD4

Williams

Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR

Spread No. 4A

AFE No. 4875

Contract No. 99P154.11

Date: 11-2[illegible]

Page No.

Drawing #: SARC-13W

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 329+00 6 o/s 48"

328+50 BORE 7' o/s 152"

329+00 BORE 10' o/s 175"

329+50 BORE 11' o/s 170"

330+00 BORE 11' o/s 131"

330+50 BORE 9' o/s 113"

331+00 BORE 4' o/s 99"

331+50 BORE 4' o/s 110"

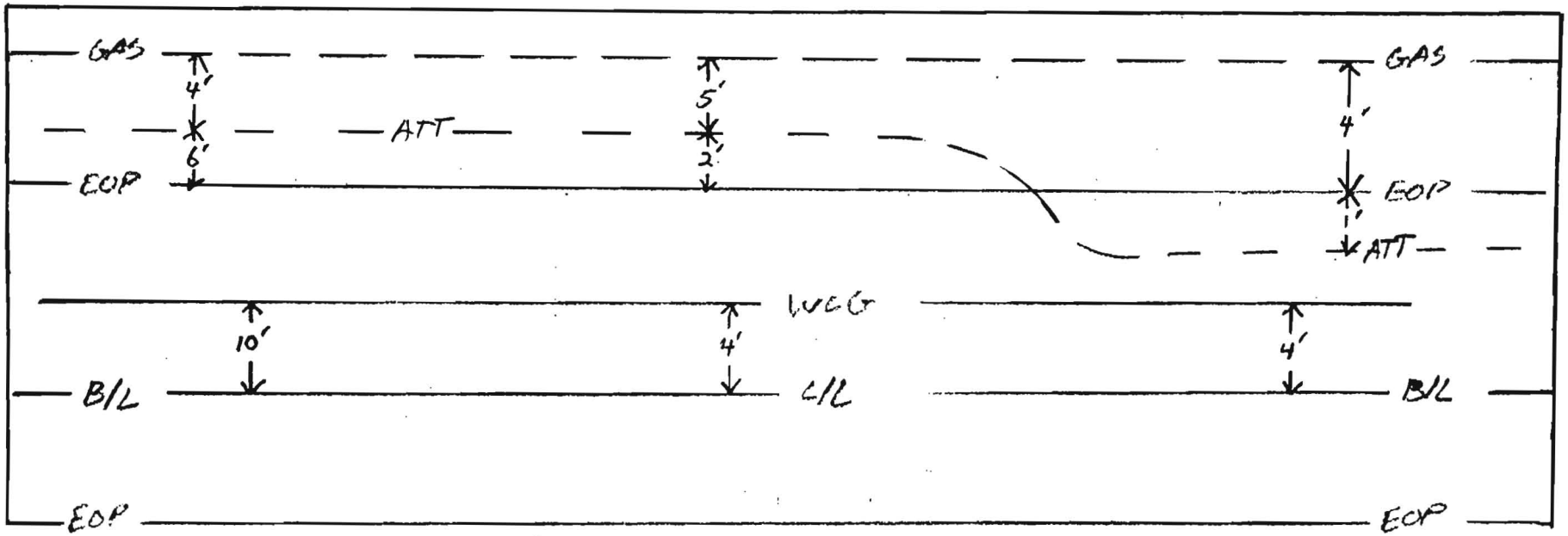
332+00 BORE 10' o/s 101"

332+43 MATCHLINE

332+50 BORE 10' o/s 108"

333+00 BORE 9' o/s 58"

END BORE 333+47 8' o/s 98"



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1 1/2" 1-BLUE 1 1/2" 1-BLACK 1 1/4"

Inspector: ERIK BALLING

Williams Construc[illegible] As-Built Documentation

Spread Location: WINDSOR

Spread No. 4A

AFE No. 4875

Contract No. 99P154.11

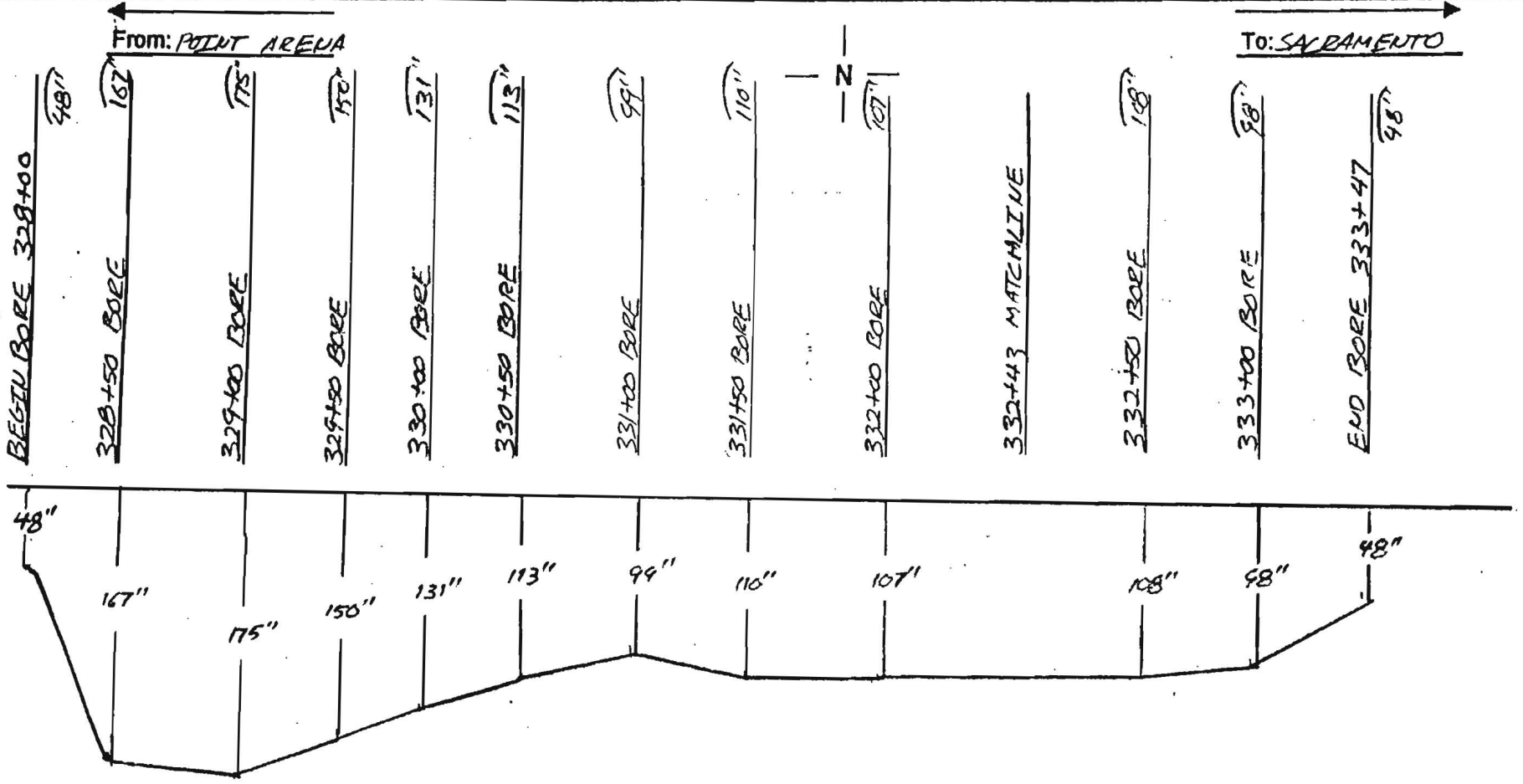
Date: 11-2[illegible]

Page No. [illegible]

Drawing #: SARC-13W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1 1/2", 1-BLUE 1 1/2", 1-BLACK 1 1/4"

Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 9875
Contract No. 99P154,11

Date: 12-6-00
Page No. 1
Drawing #: SARC-14W

From: POINT AREMA

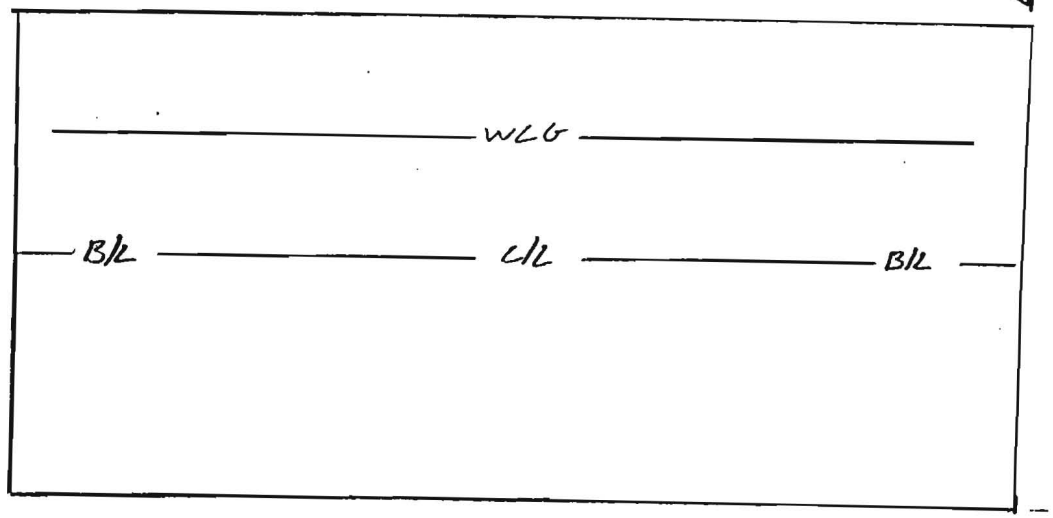
To: SACRAMENTO

N

BEGIN TRENCH 333+47 6'0/S 48"

WLG-MANHOLE 333+50 6'0/S

END TRENCH 333+54 6'0/S 48"



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1 1/2"
1-BLUE 1 1/2", 1-BLACK 1 1/4"

Inspector: ERIK BALLING

Williams Construct[illegible] As-Built Documentation

Spread Location: WILLOSOR

Spread No. 4A

AFE No. 4875

Contract No. 99PL54.11

Date: 11-27-[illegible]

Page No. 1

Drawing #: SAEC – 14W, 15W

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 333+54 6'o/s 48"

334+00 BORE 5'o/s 68"

334+50 BORE 3'o/s 101"

335+00 BORE 4'o/s 101"

335+50 BORE 4'o/s 101"

336+00 BORE 4'o/s 111"

336+50 BORE 4'o/s 102"

337+00 BORE 6'o/s 136"

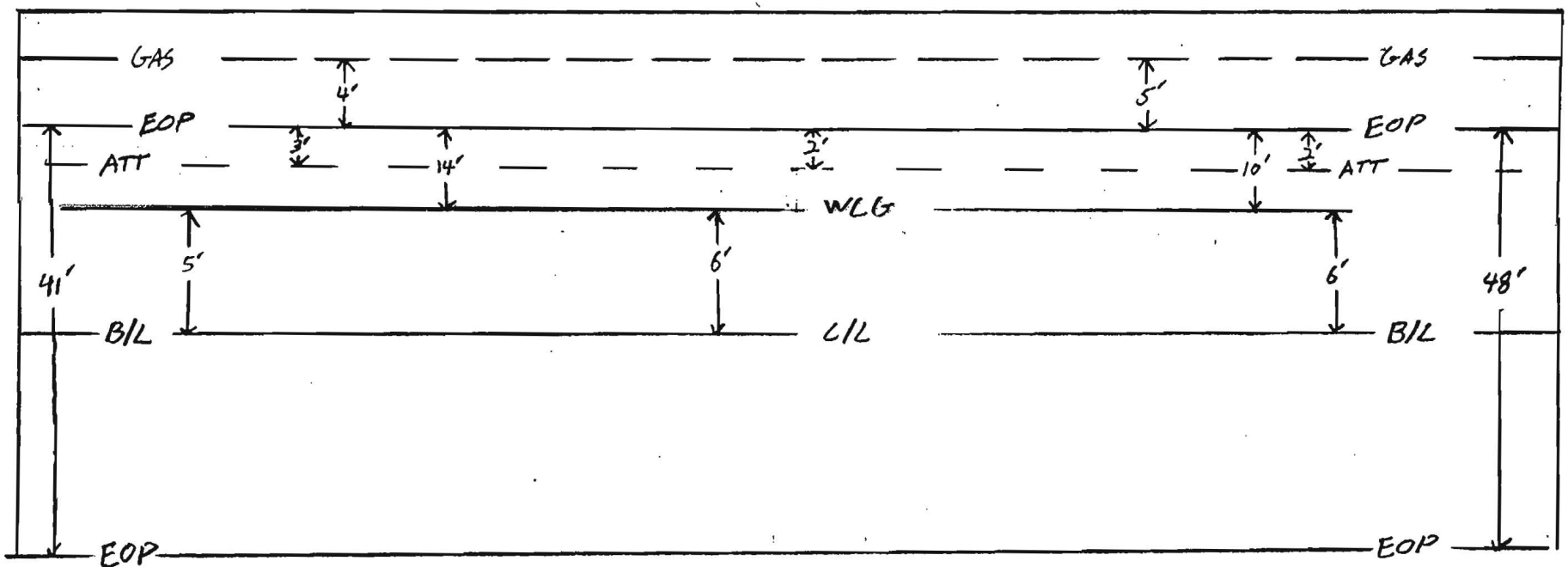
337+50 BORE 5'o/s 116"

337+76 4" POWER 4"

338+00 BORE 5'o/s 102"

338+40 MATCH LINE

END BORE 338+41 6'o/s 48"



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-PURPLE 1¼"

Inspector: ERIK BALLING

Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No, 4A
AFE No, 4875
Contract No, 99P154.11

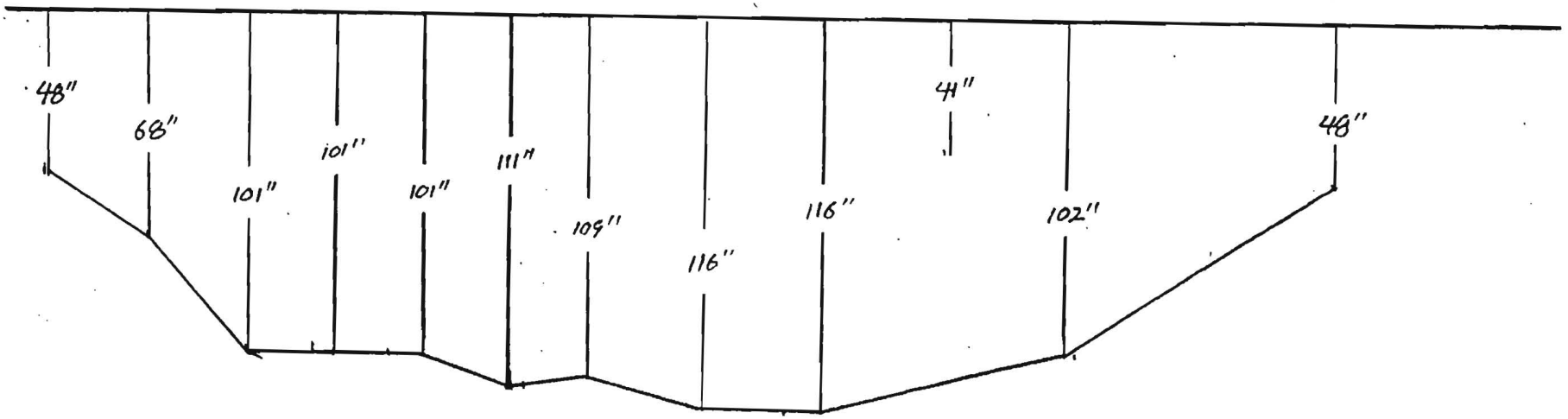
Date: 11-27-00
Page No. 2
Drawing #:
SAEC - 14W, 15W

From: POINT ARENA

To: SACRAMENTO

N

BEGIN BORE 333+54 — 48"
334+00 BORE — 68"
334+50 BORE — 101"
335+00 BORE — 101"
335+50 BORE — 101"
336+00 BORE — 111"
336+50 BORE — 109"
337+00 BORE — 116"
337+50 BORE — 116"
337+78 4" POWER — 4"
338+00 BORE — 102"
338+40 MATCH LINE
END BORE 338+41 — 48"



Notes:

County: SONOMA

Contractor: TIDWELL

Duct Configuration: 1-ORANGE 1½"
1 BLUE 1½" 1 GREEN 1½"

Inspector: ERIK BALLING

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

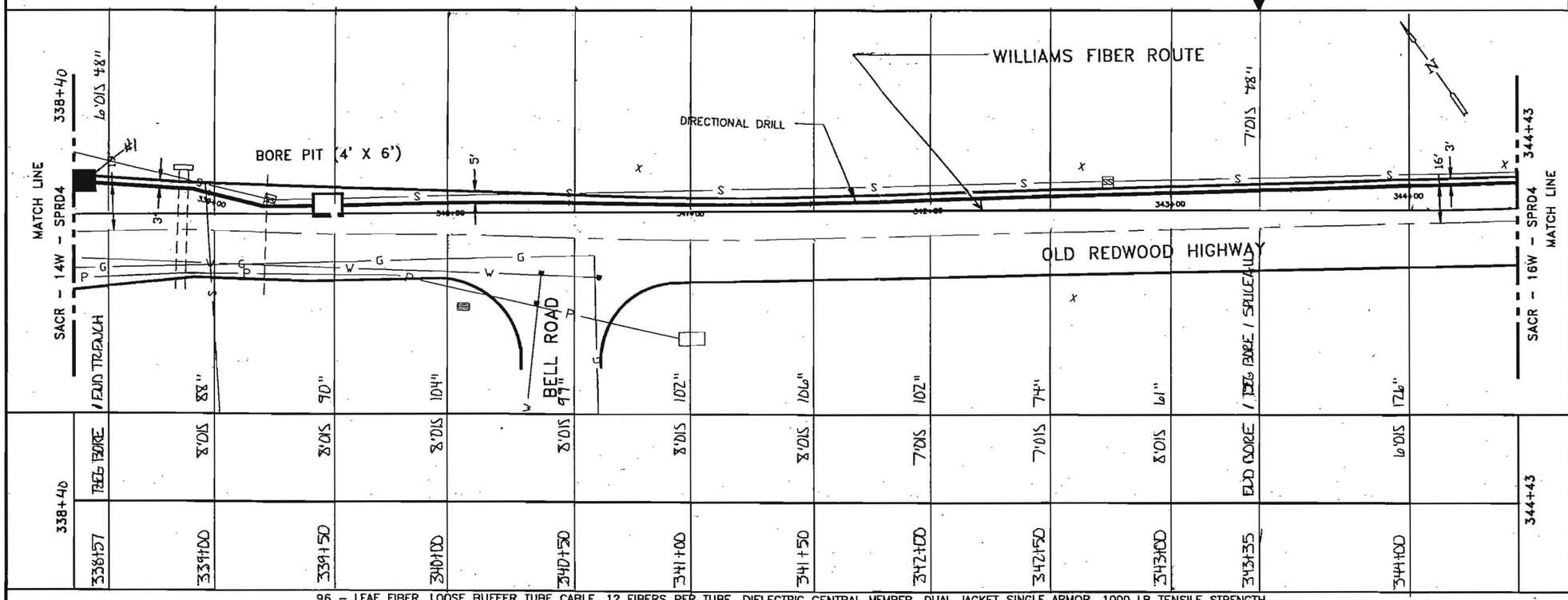
338+87 CULVERT
338+89 10' LT. HEADWALL
338+92 CULVERT
339+24 CULVERT
339+49 LVLG MANHOLE
ERIK BALLING 12.6.00
340+05 43' RT. DRAIN INLET
340+37 42' RT. WATER METER
340+39 29' RT. WATER METER
340+47 36' RT. BELL ROAD
340+63 30' RT. WATER METER
340+66 15' LT. TELE. POLE
342+58 42' RT. POWER POLE
342+63 12' LT. TELE. POLE
344+39 7' LT. TELE. POLE

ROAD STATIONING

← POINT ARENA

TOWN OF WINDSOR
SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH

REEL # N/A

N/A

1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

1-1.5" BLUE 1-1.25" BLACK 1-1.5" ORANGE

338+41	338+57	343+35
338+57	343+35	344+43
16'	478'	108'
2.11	2.11	2.11
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.5" HDPE	1-1.25" HDPE	1-1.25" HDPE
ERIK BALLING	ERIK BALLING	ERIK BALLING
12.6.00	11.28.00	12.05.00
TIDWELL	TIDWELL	TIDWELL

INBLACK 1.25" HDPE
6GA. TRACER WIRE
GLORIA TABOR
7-9-01

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mar.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- OB Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- OB Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-945-2255

FOREIGN UTILITY LOCATIONS ARE APPROXIMATE. CONTACT THE LOCAL ONE CALL AGENCY 48 HOURS PRIOR TO CONSTRUCTION FOR EXACT UTILITY LOCATIONS AT :

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/15
3	REVISED DRAWING SCALE	MW	10/20

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&Y	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=50'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER :	SACR-15W-SPRD4

Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR

Spread No. 4A

AFE No. 9875

Contract No. 99P154.11

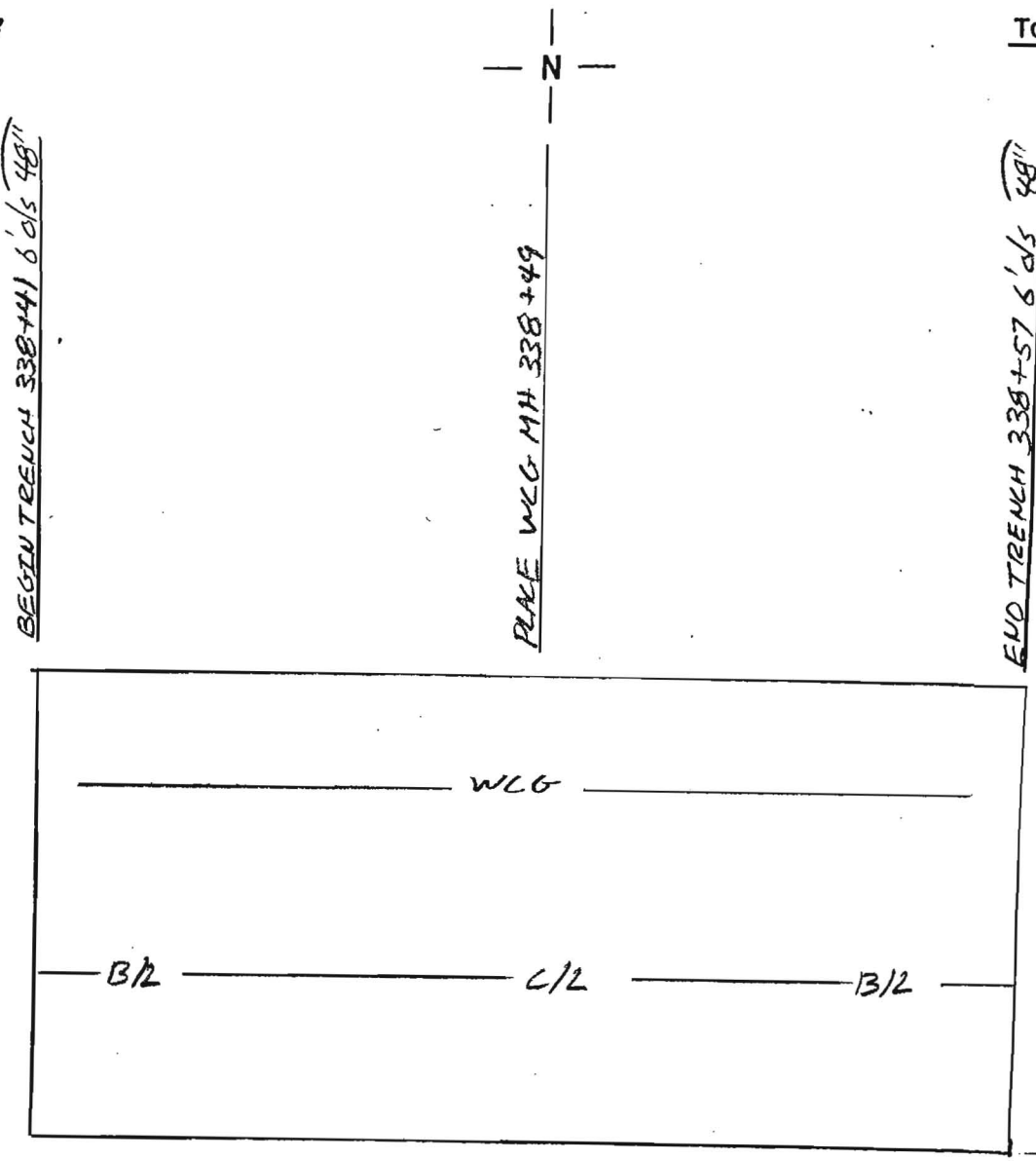
Date: 12-6-[illegible]

Page No. 1

Drawing #: SARC-15W

From: POINT ARENA

To: SACRAMENTO



Notes:

County: SONOMA

Contractor: TIDWELL

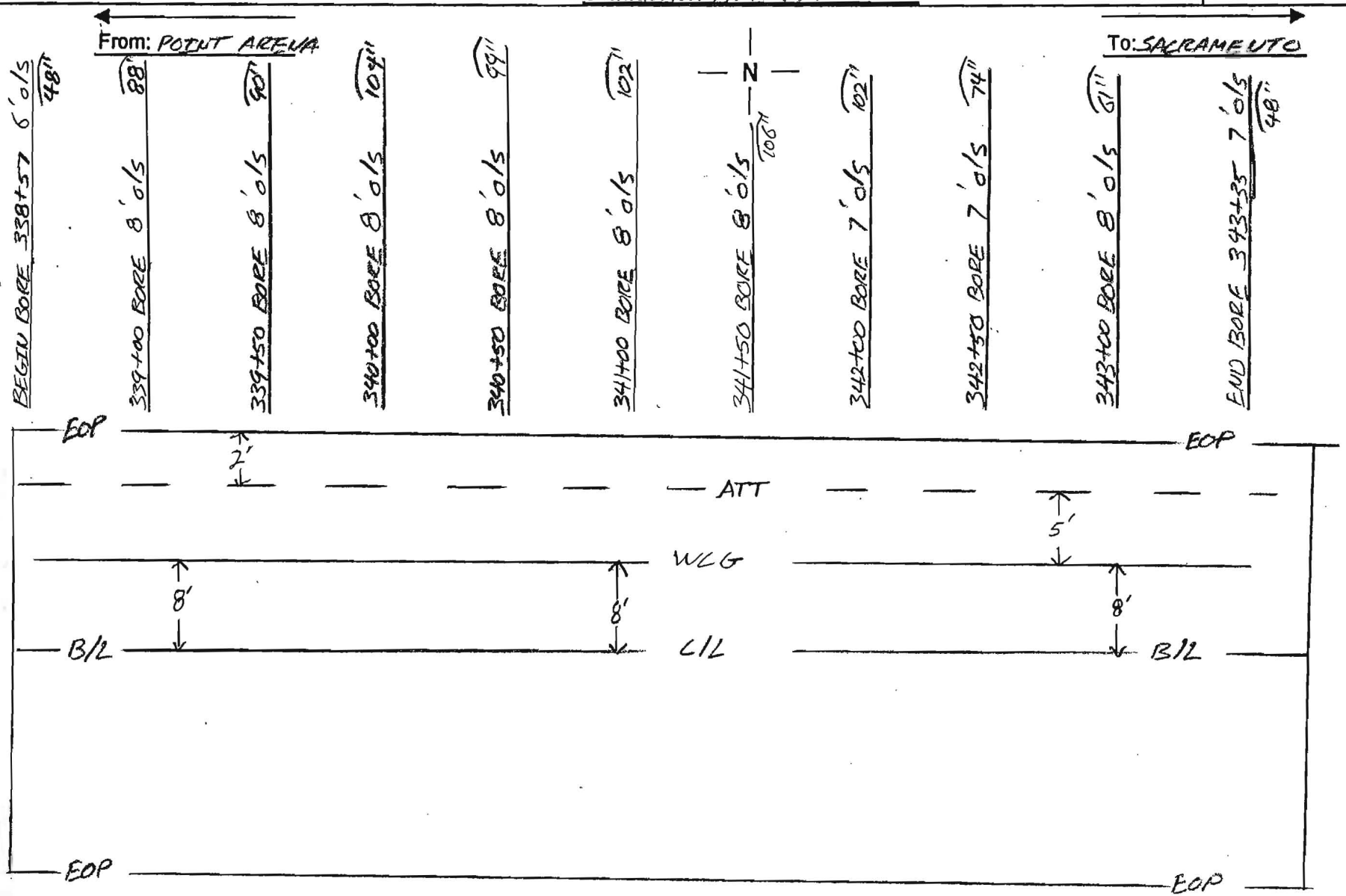
Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"

Inspector: ERIK BALLING

Williams Construct[illegible] As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-2[illegible] 2
Page No. ____ of ____
Drawing #: SARL-15W



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Contractor: TIDWELL

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Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 11-2[illegible]
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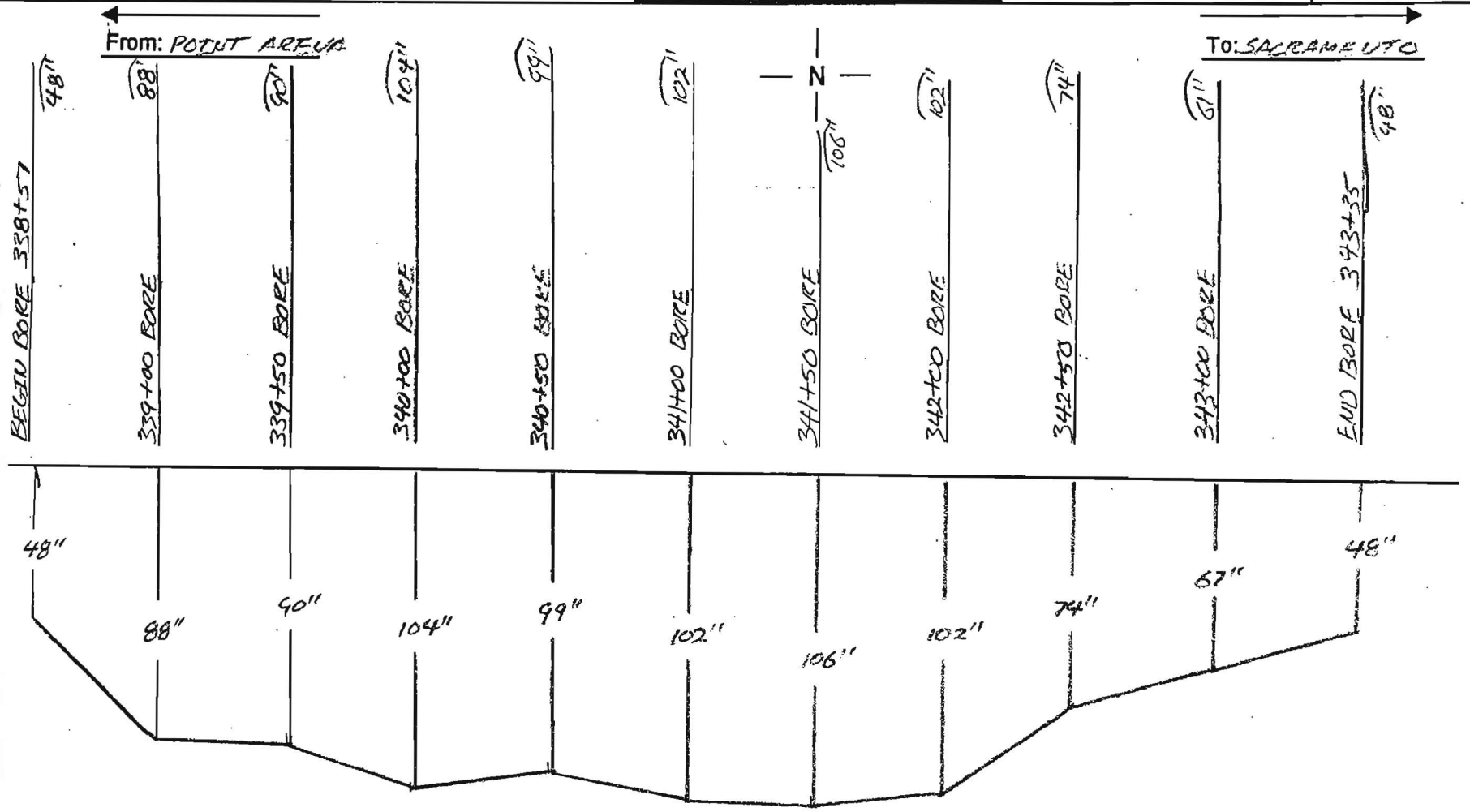
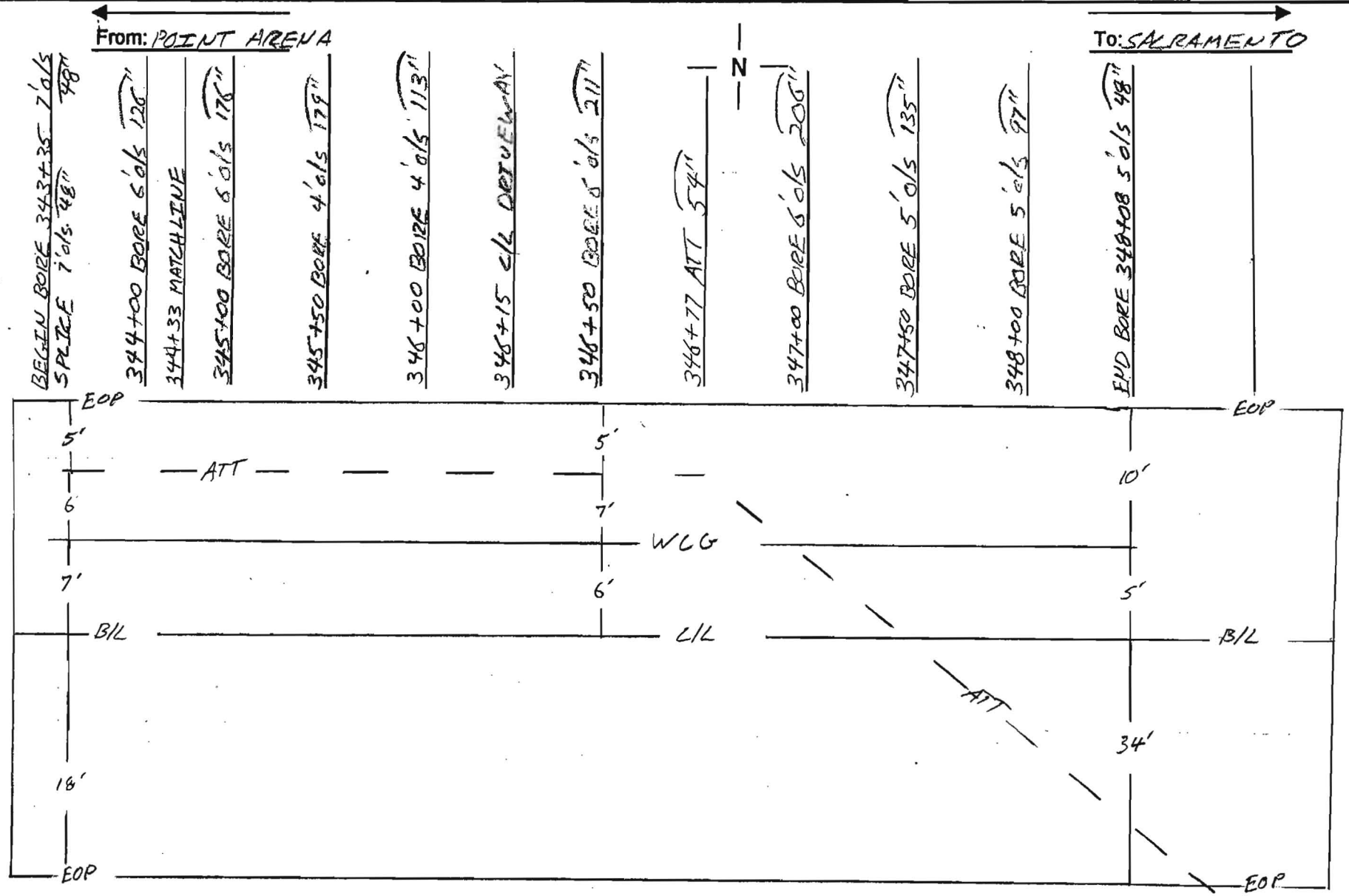


Notes:	County: SONOMA	Contractor: TIDWELL
	Duct Configuration: 1-ORANGE 1½" 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]-06
Page No. [illegible] 2
Drawing #: SARC-15W, 16W



Notes:

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Contractor: TIDEWELL

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Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Locat. WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]00
Page No. [illegible]2
Drawing #: SARC-15W, 16W

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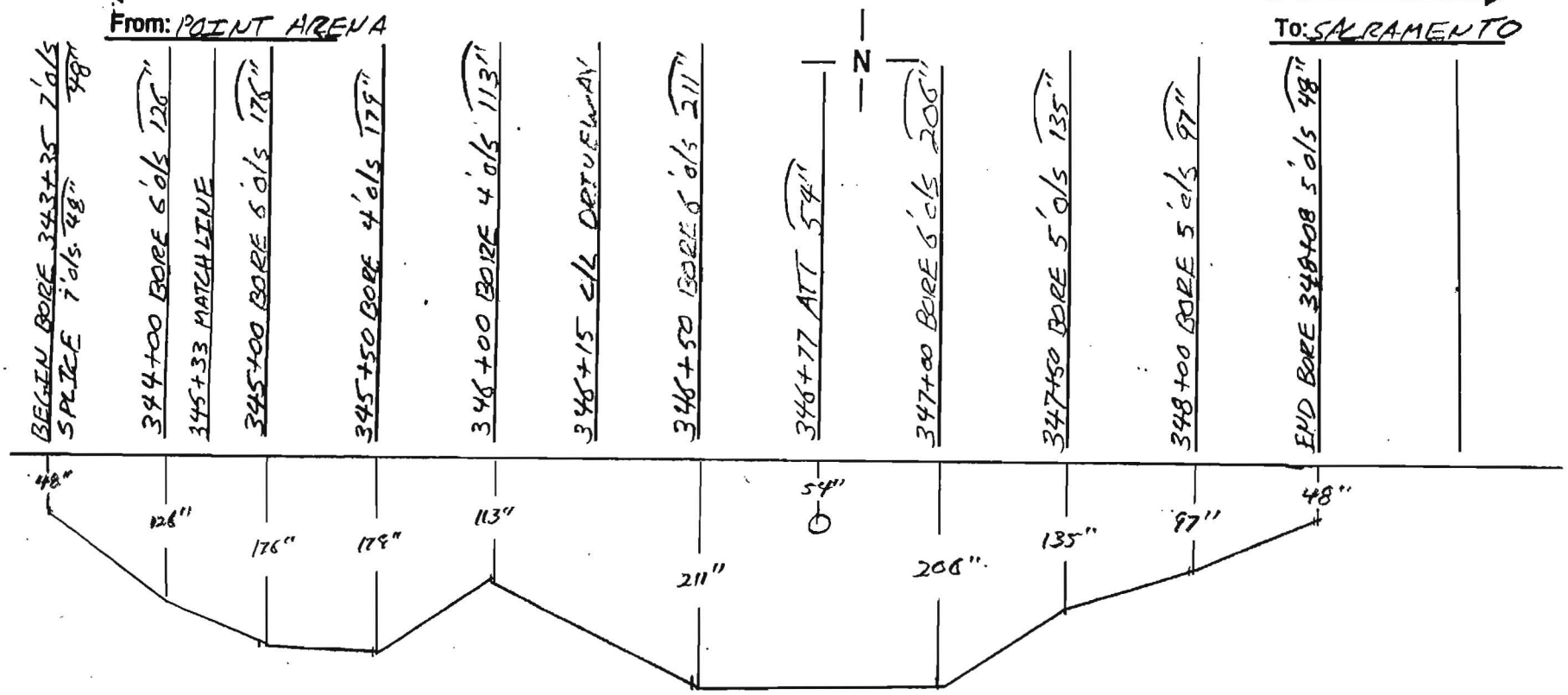

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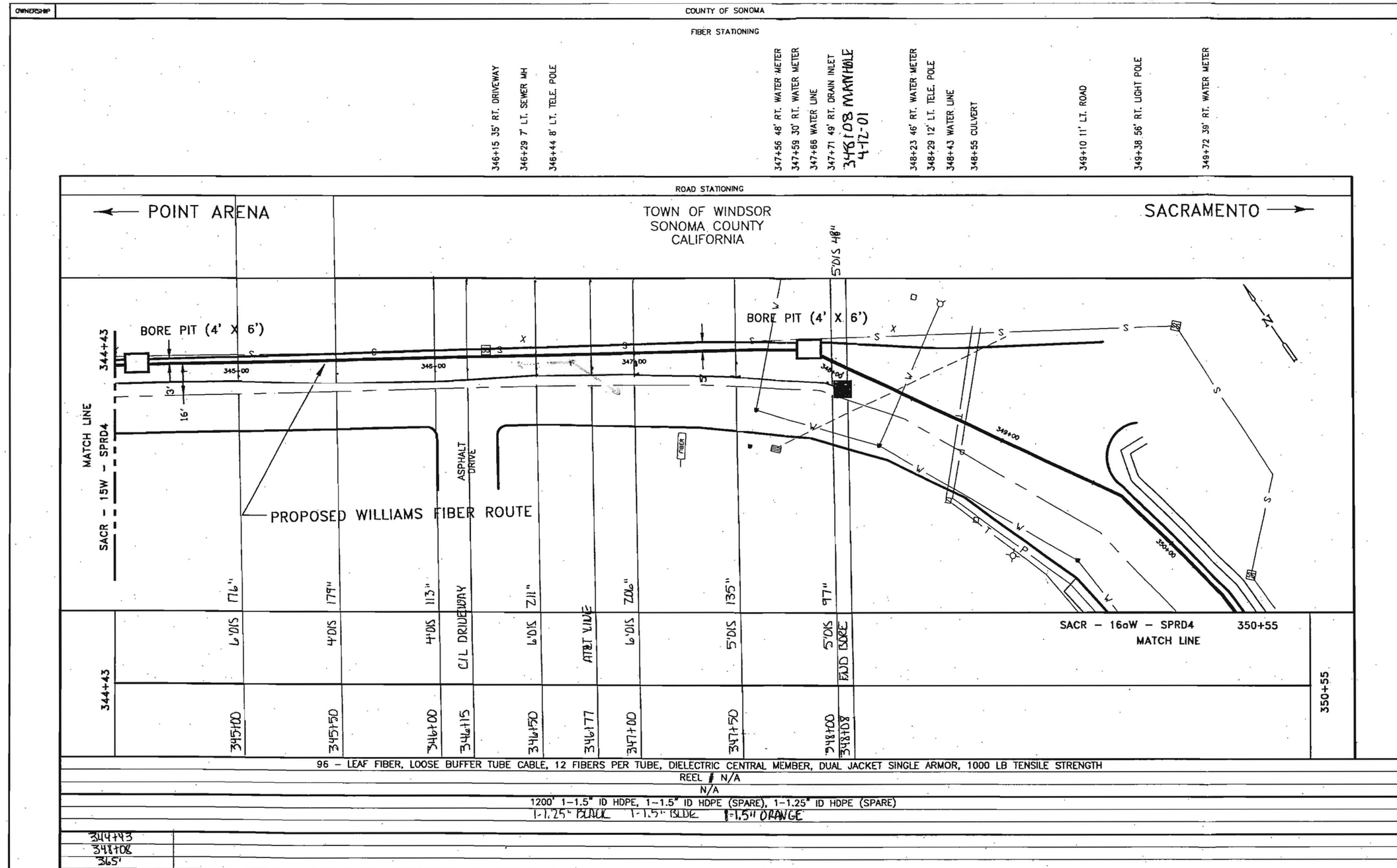

Notes:

1. Cable to be installed under cross culverts.
2. Street crossings will be bored.
3. No excavation within the fill slope of the road section.
4. Exact location of begin bore and end bore will be adjusted to avoid existing utilities as located by USA and potholing.
5. Areas under pavement will be bored unless other methods are approved by the county.

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
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- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
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- Handhole Splice
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CABLE REEL NO.
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH
CABLE DESCRIPTION

INNERDUCT & TYPE (CORR/SMOOTH/COLOR)
STEEL PIPE SIZE
PVC
PIPE & INNERDUCT PLACEMENT

FUTURE-2
FUTURE-3
FUTURE-4
FUTURE UNIT PLACE

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : MW	DATE : 10/20/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=50'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER : SACR-16W-SPRD4	

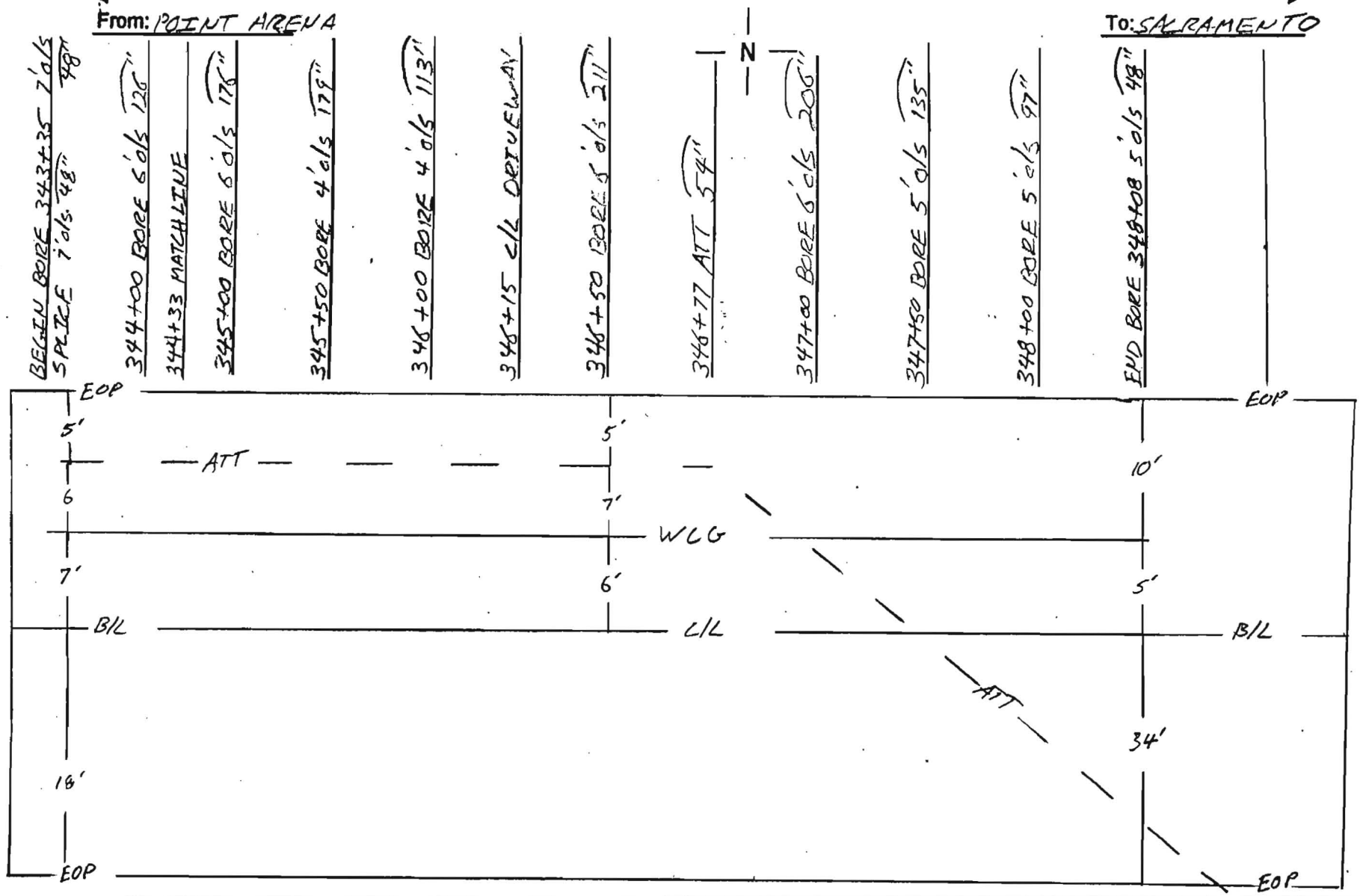
Williams Construction As-Built Documentation

Spread Location: WINDSOR
Spread No. 4A
AFE No. 4875
Contract No. 99P154.11

Date: 12-[illegible]-00
Page No. [illegible]2
Drawing #: SARC-15W, 16W

From: POINT ARENA

To: SACRAMENTO



Notes:	County: SONOMA	Contractor: TIDEWELL
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALLING

Williams Construction As-Built Documentation

Spread Location: WINDSOR

Spread No. 4A

AFE No. 4875

Contract No. 99P154.11

Date: 12-5-00

Page No. 2 of 2

Drawing #: SAEC-15W, 16W

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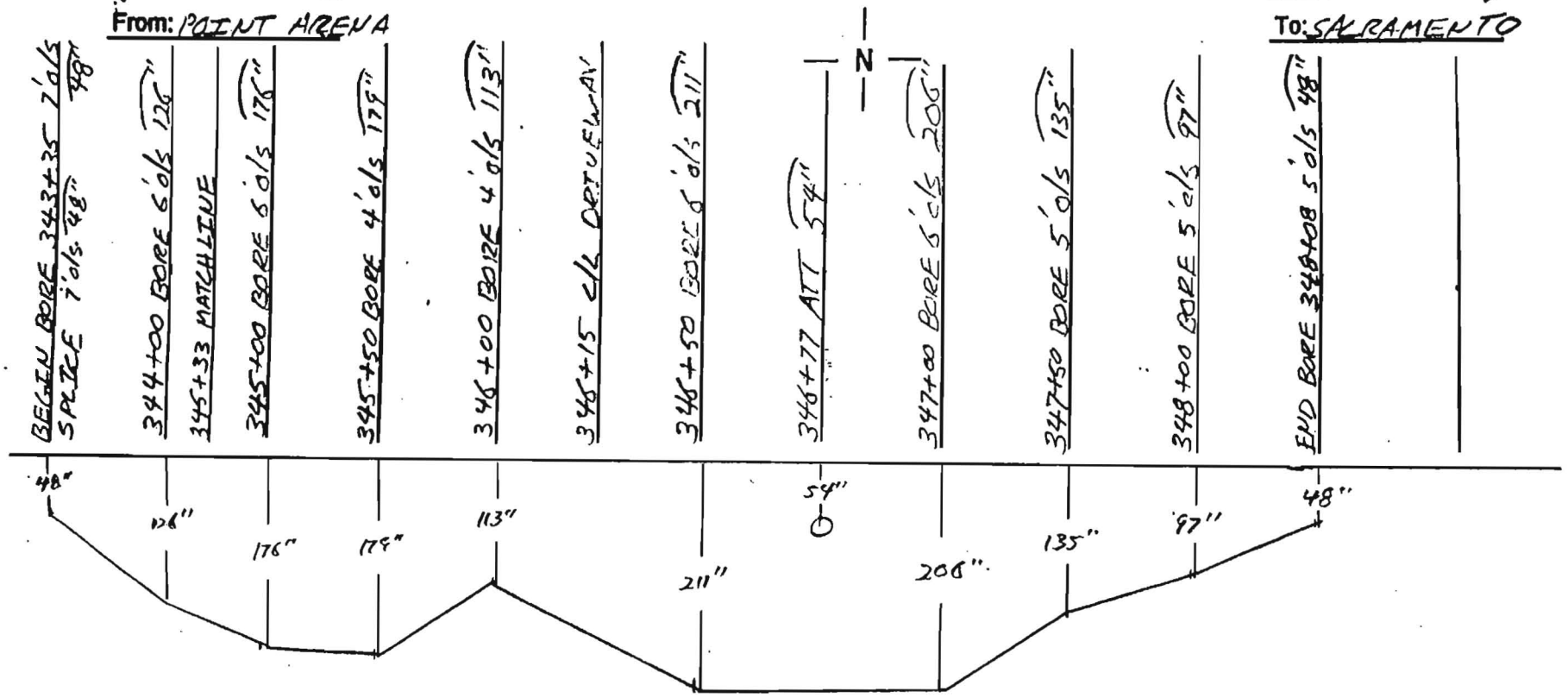
To: SACRAMENTO



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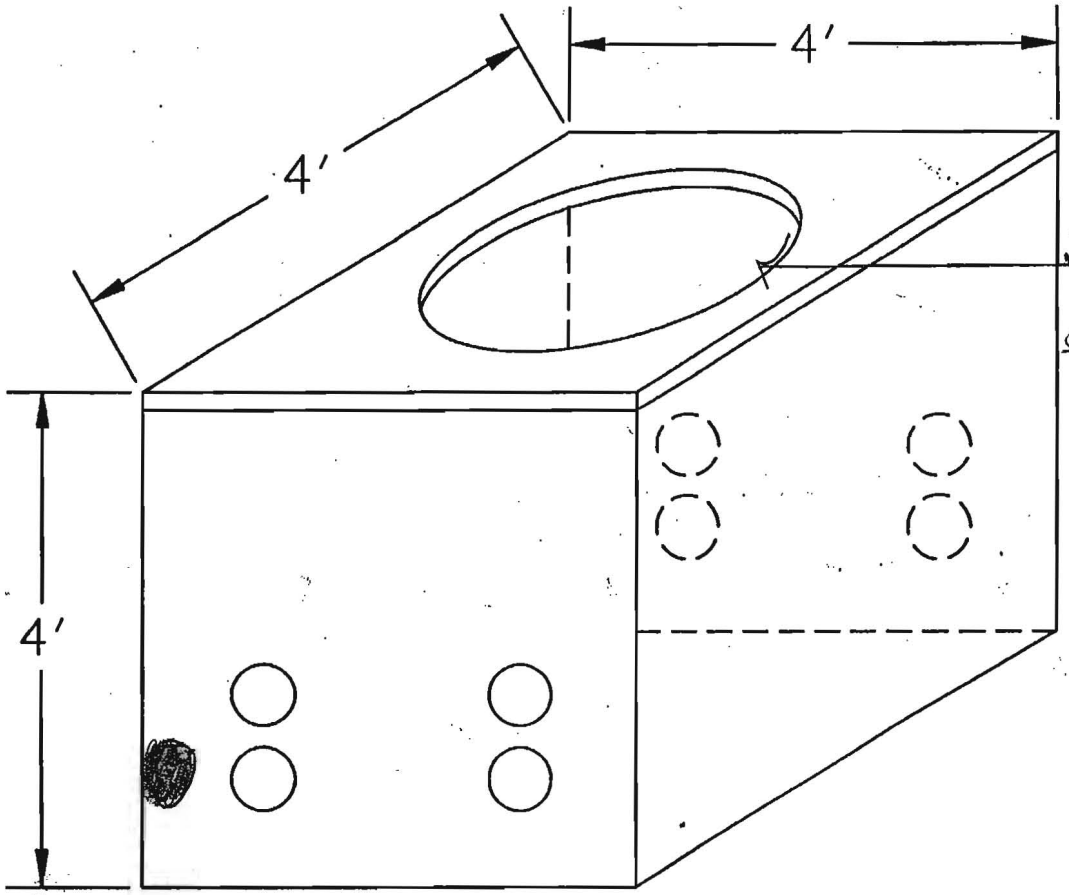
	Duct Configuration: 1-ORANGE 1½", 1-BLUE 1½", 1-BLACK 1¼"	Inspector: ERIK BALING

WILLIAMS CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT:	DWG/ALIGNMENT SHEET#	SHEET #
4-9-01	PP154.11	W16 - W19	4A



Sta # 348+08 5'0/5 N.C/L

OLD REDWOOD Hwy + CONDE Ln

NOTES: STUBBED IN ON OLD REDWOOD HWY + CONDE LN

COUNTY: SONOMA

CONTRACTOR: TIDWELL

DUCT CONFIGURATION: (2) 1½ (1) 1¼ H.D.P.E.

INSPECTOR: GLORIA TABOR

PAGE OF