

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 3

August 2001

REDLINES

Volume 2 of 2

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		

Inspector Daily Report

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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 9-19-00 Contract No: 99P15411.14

Hours Worked: 10 Weather: HOT Temp: 100 Contractor: H & M

Contractor Equipment on Site (Quality & Type): 1 PLOW - 2 BACKHOES - 1 REEL TRUCK - 1 PULL TRACTOR.

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 - PLOW	X		1.11	33	367+18	370+62	344'
2	INSTALL HDPE - 5" STEEL CONDUIT	X		1.41	33	370+42	370+52	10'
3	INSTALL HDPE-PLOW	X		1.11	33	370+62	374+48	386'
4	INSTALL HDPE-TRENCH	X		1.11	33	374+48	375+18	70'
5	INSTALL 5" STEEL CONDUIT	X		1.41	33	374+50	374+60	10'

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
2	CULVERT	18"	370+47	8"	FOREIGN
5	WATERLINE	6"	374+55	20"	FOREIGN

REMARKS: _____

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

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Williams COMMUNICATIONS

Name: Jeff D McKoy

Spread/Site Number: 3-4875

Day: (Mo) Tu We Th Fr Sa Su Date: 11-13-00

Contract No: 99P3541-14

Hours Worked: 10

Weather: RAINING Temp: 54°

Contractor: HENKELS & McCOY

Contractor Equipment on Site (Quality & Type): TWO BACK HOES, ONE 2720 BORE MACHINE, ONE MUD MACHINE, ONE VAC-POT HOLE TRUCK, ONE PICK UP WITH TOOLS + EQUIPMENT. 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.
1st	SLICK BORE			3.21	033	375+18	379+93	475'
2nd	DIRECT BORE			1.11	033	375+18	379+93	475'
					SALE-34	MATCH LINE 379+18		

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 ONLY FOR DRAINAGE - DIR GEYERVILLE-1 & CUTURAL SITE - C- GEYERVILLE-1

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Williams COMMUNICATIONS

Name: JEFF MILEY

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 1-9-01 Contract No: 99P1541.14

Hours Worked: 10 Weather: RAIN Temp: 62 Contractor: H&M

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 HDPE-TRENCH	X		1.11	34	379+93	381+56	163'

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: #3L 4825

Day: Mo Tu We (Th) Fr Sa Su Date: 11-9-00

Contract No: 99P1341-14

Hours Worked: 10

Weather: Partly Cloudy Temp: 65°

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2027 Bore Machine, One Pot Hole - Vac Truck, One Pick up with Tool & Equipment, One Mud Mixing Machine, 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.
1st	Trench & Place			1.11	034	381+56	385+84	428'

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 William Inspector observed Contractor Trenching and Placing Williams Conduits

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Name: Kenny Strickland

Spread/Site Number: 4877 Day: (Mo) Tu We Th Fr Sa Su Date: 8-21-00 Contract No: 99P1541-18

Hours Worked: 12 Weather: ____ Temp: 90° Contractor: Hinkels & Mccoy

Contractor Equipment on Site (Quality & Type): (1) plow (1) Dozer (2) Backhoes (1) water truck (4) pick-ups

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 (3) H.O.P.E	1.11✓		1.11	34	385+84	404+75	1891'
2	Install 10' 4" steel Adder	1.41✓		1.41	34,35	391+75	391+85	10'
3	Install 10' 4" steel Adder	1.41✓		1.41	34,35	391+91	392+01	10'
[redacted]								
					SALR-35	MATCHLINE 391+20		
					SALR-36	MATCHLINE 403+20		

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
2	WATER LINE	3"	391+80	12"	
3	DRAIN LINE	12"	391+96	8"	

REMARKS: Installed (3) H.O.P.E. Total (2518+)

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Name: JEFF MCKOY

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 1-9-01 Contract No: 99P1541.14

Hours Worked: 10 Weather: RAIN Temp: 52° Contractor: H & M

Contractor Equipment on Site (Quality & Type): FLOW - 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 HDPE	X		111	36	404+75	406+00	125'

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: Kenny Strickland

Spread/Site Number: 4877 Day: (Mo) Tu We Th Fr Sa Su Date: 10-23-00 Contract No: 99P1541-14

Hours Worked: 12 Weather: Sunny Temp: 72° Contractor: Markels

Contractor Equipment on Site (Quality & Type): (1) 2720 Bore Machine (3) Backhoes 10 Man crew
(1) mat. 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 3 H.P.P.E.	✓		1.11	35	406+00	408+23	223'
[redacted]								

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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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: (Mo) Tu We Th Fr Sa Su Date: 8-21-00 Contract No: 9991541.14

Hours Worked: 10 Weather: FAIR Temp: 90 Contractor: H & M

Contractor Equipment on Site (Quality & Type): 1 PLOW - 2 BACKHOES - 1 WATER TRUCK - 4 PICKUPS.

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 ADDB - PLOW	X		1.11	36	408+73	415+00	627'

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: Kenny Strickland

Spread/Site Number: 4877 Day: (Mo) Tu We Th Fr Sa Su Date: 10-23-00 Contract No: 99P1541-14

Hours Worked: 12 Weather: Sunny Temp: 72° Contractor: Hunkelly

Contractor Equipment on Site (Quality & Type): (1) 2720 Bore Machine (3) Backhoes 10 Man crew

(1) vac. truck (1) water truck

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2	Install 3 H.D.P.E.	✓		1.11	36, 37	415+00	417+50	250'
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
					SALR-37	MATCHLINE 415+05		

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: KENNY STRICKLAND

Spread/Site Number: _____ Day: Mo Tu (We) Th Fr Sa Su Date: 8-23-00 Contract No: 9971541.14

Hours Worked: _____ Weather: SUNNY Temp: 79 Contractor: H & M

Contractor Equipment on Site (Quality & Type): 2- BACKHOES - 1 DOZER - 1 PLOW - 4 PICKUPS - 1 WATERTRUCK - 1 REELTRUCK.

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 - PLOW	V		1.11	37	417+50	436+94	1944'
2	INSTALL HDPE - PLOW	V		1.11	38	436+94	438+44	150'
3	INSTALL HDPE - PLOW	V		1.11	38	438+44	449+47	1103'
4	INSTALL HDPE - PLOW	V		1.11	39	449+47	450+19	72'
5	INSTALL 4" STEEL CONDUIT	V		1.41	39	449+60	449+70	10'
6	INSTALL HDPE	V		1.11	39-40	450+19	451+69	150'
7	INSTALL HDPE	V		1.11	40	451+69	461+00	931'
					SHEET - 38	MATCHLINE 426+62		
					SHEET - 39	MATCHLINE 432+63		
					SHEET - 40	MATCHLINE 450+63		

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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e: Kenny Strickland
ad/Site Number: 4877
rs Worked: 12
Day: Mo Tu (We) Th Fr Sa Su Date: 8-23-00
Weather: Sunny Temp: 79°
Contract No: 99P154-18
Contractor: Hinkels & Reay
tractor Equipment on Site (Quality & Type): (2) Backhoes (1) Dozer (1) plow (3) guards (4) pick-ups (1) water truck (1) Reel trailer

O:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
[redacted]	[redacted]	[redacted]			[redacted]	[redacted]	[redacted]	[redacted]
2	Install (3) H.D.P.E	1.11			40	461+00	461+44	44'
3	Install (3) H.D.P.E	1.11			40, 41	461+44	474+00	1256'
4	Install 4" steel CASE	1.41			40	461+29	461+39	10'
5	Install (3) H.D.P.E	1.11			42	475+24	487+00	1176'
6	Install (3) H.D.P.E.	1.11			41, 42	474+00	475+24	124'
7	Install 4" steel CASE	1.41			42	474+17	474+27	10'
8	Install 4" steel CASE	1.41			42	474+99	475+09	10'
					SACR - 41	MATCH LINE 462+63		
					SACR - 42	MATCH LINE 474+63		
					SACR - 43	MATCH LINE 486+63		

OTE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

OMMENTS: (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
4	WATER LINE	2"	461+34	34"	
7	WATER LINE	2"	474+22	36"	
8	WATER LINE	6"	475+04	36"	

MARKS:

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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo Tu We (Th) Fr Sa Su Date: 8-24-00 Contract No: 9981541.14

Hours Worked: 10 Weather: SUNNY Temp: 85 Contractor: H&M

Contractor Equipment on Site (Quality & Type): 2-BACKHOES - 1 WATER TRUCK - 1 PLOW - 1 DOZER - 4 PICKUPS.

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 -	X		1.11	43	487+00	487+92	92'
2	INSTALL 4" STEEL CONDUIT	X		1.41	43	487+60	487+70	10'
3	INSTALL 4" STEEL CONDUIT	X		1.41	43	487+20	487+30	10'
4	INSTALL HDPE - TRENCH	X		1.11	43	487+92	488+42	50'
5	INSTALL HDPE - PLOW	X		1.11	43	488+42	492+45	403'
6	INSTALL HDPE - TRENCH	X		1.11	43	492+45	493+28	83'
7	INSTALL 4" STEEL CONDUIT	X		1.41	43	492+53	492+63	10'
8	INSTALL HDPE - PLOW	X		1.11	43	493+28	498+25	497'
9	INSTALL 5" STEEL CONDUIT TRACK CROSSING	X		1.41	43	488+22	488+52	30'

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 MCKOY

Spread/Site Number: 3-4875 Day: (Mo) Tu We Th Fr Sa Su Date: 4-30-01 Contract No: 99171541.14

Hours Worked: 10 Weather: Temp: Contractor: H M

Contractor Equipment on Site (Quality & Type): DUMPTRUCK - 2 BACKHOES - 2 - 1TONS - 4 PICKUP TRUCKS.

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 HANDHOLE	X		3.41	043	488+12	488+12	1
2	INSTALL HAND HOLE	X		3.41	043	488+40	488+40	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: KENNY STALLARD

Spread/Site Number: 3-4875 Day: Mo Tu (We) Th Fr Sa Su Date: 10-25-00 Contract No: 9918541.14

Hours Worked: 10 Weather: RAIN Temp: 62 Contractor: H & M

Contractor Equipment on Site (Quality & Type): 1 BORE RIG - 1 VAC TRUCK - 2 BACKHOES - 1 REEL 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	X		1.11	43-44	498+25	505+52	727'
2	INSTALL 4" STEEL CONDUIT	X		1.41	44	500+63	500+73	10'
3	INSTALL 4" STEEL CONDUIT	X		1.41	44	501+13	501+23	10'
4	INSTALL HDPE - TRENCH	X		1.11	44	505+52	505+68	16'
5	INSTALL HDPE - BORE	X		1.11	44	505+68	507+18	150'
6	INSTALL HDPE - SLICK BORE	X		3.21	44	505+68	507+18	150'
7	INSTALL HDPE - TRENCH	X		1.11	44	507+18	507+23	5'
					SALR - 45	MATCH LINE 498+13		

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
2	SEWER LINE	12"	500+68	12'	
3	WATER LINE	2"	501+18	20"	

REMARKS: 6 - D - GEYSERVILLE - 8

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me: Kenny Strickland

read/Site Number: 4477

Day: Mo Tu We Th (Fr) Sa Su Date: 8-25-00 Contract No: 9901541-18

urs Worked: 10

Weather: ~~8-25-00~~ sunny Temp: 97° Contractor: H&M

ntractor Equipment on Site (Quality & Type): (2) Backhoes (1) plow (1) water truck (4) pickups (3) grader (1) Dozer (1) Reel 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 (3) H.D.P.E	✓		1.11	44,45,46	507+23	514+07	684'
2	Install (3) H.D.P.E	✓		1.11	44,45	514+07	514+91	84'
3	Install 4" steel CASE	✓		1.41	44,45	514+26	514+36	10'
4	Install (3) H.D.P.E	✓		1.11	45,46	514+91	529+23	1432'
5	Marking ; Station Running line for week ↑	✓		5.21	34 – 46	385+84	529+23	14339'
6	INSTALL HDPE - TRENCH	✓		1.11	46	529+23	529+34	11'
					SALR-46	MATCHLINE 511+13		
					SALR-47	MATCHLINE 523+16		

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
1	Water	6"	514+31	20"	Foreign

REMARKS:

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Inspector Daily Report

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Williams COMMUNICATIONS

Name: Jeff D McKoy

Spread/Site Number: 3rd North 4825 Day: Mo Tu (We) Th Fr Sa Su Date: 11-8-00 Contract No: 99P1541-14

Hours Worked: 10 Weather: Sunny & Windy Temp: 67° Contractor: Henkel & McCoy

Contractor Equipment on Site (Quality & Type): One 2027 Bore Machine, Two Back Hoes, One Mud Mixing Machine on Flat Bed & 6 Crew Members and 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.
1st	Direct Bore			3.21	046	529+34	530+59	125'
2nd	Direct Bore			1.11	" "	529+34	530+59	125'

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 Inspector Observed Contractors Boring and Placing Conduits.
D-Geneville-7

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ame: Kenny Strickland
pread/Site Number: 4877
lours Worked: 11
Day (Mo) Tu We Th Fr Sa Su Date: 5-28-00
Weather: Sunny Temp: 85°
Contract No: 99P1541-18
Contractor: Hinkle & Neary
Contractor Equipment on Site (Quality & Type): (2) Backhoes (1) Plow (1) Dozer (4) pick-ups (2) Dump trucks (1) 10-Boy

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 (3) H.D.P.E.	✓		1.11	46,47	530+59	537+94	735'
2	"	✓		1.11	47	538+87	544+67	580"
3	"	✓		1.11	48	549+79	556+94	715"
4	"	✓		1.11	48,49	556+21	561+96	375"
					SALR-47	MATCHLINE 535+05		
					SALR-48	MATCHLINE 547+05		

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

Page 1 of 1

Name: John Padgett

Spread/Site Number: 3 NORTH ~~SOUTH~~ SPREAD 3

Day: Mo (Tu) We Th Fr Sa Su Date: 5-15-00

Contract No: 99P1541:14

Hours Worked: 10

Weather: CLEAR Temp: 107+

Contractor: Heatcle McCoy

Contractor Equipment on Site (Quality & Type): 1. BACKHOE 1 F.550 FORD TRUCK 1 JACKSON BORING RIG 6. MEN

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. TERM	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	OPEN TRENCH	-		1.11	047	537+94	538+87	93'
2	PLACE 4" STEEL ADDER			1.41	047	538+19	538+33	14'
3	PLACE 4" STEEL UNDER ASPHALT			3.22	047	538+33	538+50	17'
4	PLACE 4" STEEL ADDER			1.41	047	538+50	538+59	9'

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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Williams COMMUNICATIONS

Name: Jeff D McKoy

Spread/Site Number: #3 4875 Day: Mo Tu We (Th) Fr Sa Su Date: 11-16-00 Contract No: 9991311-14

Hours Worked: 10 Weather: Sunny Temp: 60° Contractor: HenkelsMcCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One Bore Machine 2720 with Mud Mixing Unit. One Utility Truck with Equipment, One Vac-Pothole Truck, 6 man Crew & 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#	Trench & Place			1.11	047	544+67	549+27	460'
2#	Open Trench & Asphalt			3.31	047	546+06	549+27	321'
~~3#~~	~~Place Conduits~~							
3#	5" Steel Casing			1.41	047	545+03	545+13	10'
4#	5" Steel Casing			1.41	047	547+63	547+73	10'

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
1#	1" Gas Line	1"	545+08	54"	Williams Requirement
2#	Covert	12"	547+60	12"	Williams Requirement

REMARKS: The Williams inspector, HAD TO Re Write the Asbuilt and Daily Report. Dated Back 10-25-00

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Inspector Daily Report

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ne: Kenny Strickland

ead/Site Number: 4877

urs Worked: 11

Day (Mo) Tu We Th Fr Sa Su Date: 8-28-00

Weather: Sunny Temp: 85°

Contract No: 99P1541-18

Contractor: Hinkle & Neary

ntractor Equipment on Site (Quality & Type): (2) Backhoes (1) Plow (1) Dozer (4) pick-ups (2) Dump trucks (1) 10-Boy

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 (3) H.D.P.E.	✓		1.11	46,47	530+59	537+94	735'
2	"	✓		1.11	47	538+87	544+67	580"
3	"	✓		1.11	48	549+79	556+94	715"
4	"	✓		1.11	48,49	558+21	561+96	375"
					SACR-47	MATCHLINE 535+05		
					SACR-48	MATCHLINE 547+05		
					SACR-49	MATCHLINE 559+06		

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

Page 1 of 1

Name: Jeff D McKoy

Spread/Site Number: #3-4875 Day: Mo Tu We (Th) Fr Sa Su Date: 11-16-00 Contract No: 9901311-14

Hours Worked: 10 Weather: Sunny Temp: 60° Contractor: Heukels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One Bore Machine 2720 with Mud Mixing Unit, One Utility Truck with Equipment, One Vac-Pothole Truck, Crew & 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#	Trench & Place			1.11	047	544+67	549+27	460'
2#	Open Trench & Asphalt			3.31	047	546+06	549+27	321'
~~3#~~	~~Place Conduits~~							
3#	5" Steel Casing			1.41	047	545+03	545+13	10'
4#	5" Steel Casing			1.41	047	547+63	547+73	10'

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
1#	1" Gas Line	1"	545+08	54"	Williams Requirement
2#	Covert	12"	547+60	12"	Williams Requirement

REMARKS: The Williams inspector, had to Re write the ASBUILT and Daily Report. Dated Back 10-25-00

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Williams COMMUNICATIONS

Name: CHARLES GIER

Spread/Site Number: 4877 Day: Mo (Tu) We Th Fr Sa Su Date: 8-29-00 Contract No: 99P1541-18

Hours Worked: 10 Weather: CLOUDY Temp: 65° Contractor: H & M

Contractor Equipment on Site (Quality & Type): 1 - PLOW 2 - BACK HOES 1 REEL TRAILOR

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 IN PLACE	X		1.11	048	556+94	558+21	127' ✓
2	INSTALL 4" STEEL	X		1.41	048	557+20	557+30	10' ✓
3	INSTALL 4" STEEL	X		1.41	048	557+95	558+05	10' ✓
4	TRENCH IN PLACE	X		1.11	049	569+47	570+47	100' ✓

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
1	WATER LINE	6"	557+25	6'	FOREIGN UTILITY
2	GAS	1	558+00	3'	FOREIGN UTILITY

REMARKS:

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Pink Inspector

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Inspector Daily Report

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e: Kenny Strickland

ad/Site Number: 4877

Day (Mo) Tu We Th Fr Sa Su Date: 8-28-00

Contract No: 99P1541-18

rs Worked: 11

Weather: Sunny Temp: 85°

Contractor: Hinkle & Mabry

tractor Equipment on Site (Quality & Type): (2) Backhoes (1) Plow (1) Dozer (4) pick-ups (2) Dump trucks (1) 10-Boy

IO:	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 (3) H.O.P.E.	✓		1.11	46,47	530+59	537+94	735'
2	"	✓		1.11	47	538+87	544+67	580"
3	"	✓		1.11	48	549+79	556+94	715"
4	"	✓		1.11	48,49	558+21	561+96	375"
					SALR-47	MATCHLINE 535+05		
					SALR-48	MATCHLINE 547+05		
					SALR-49	MATCHLINE 559+06		

TE: IF ITEM IS AN ADDER, EXPLAIN IN COMMENTS

OMMENTS: (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

MARKS:

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Inspector Daily Report

Page _____ of _____

Name: Kenny Strickland

Spread/Site Number: 4877

Day (Mo) Tu We Th Fr Sa Su Date: 5-28-00

Contract No: 99P1541-18

Hours Worked: 11

Weather: Sunny Temp: 85°

Contractor: Hinkle & Mabry

Contractor Equipment on Site (Quality & Type): (2) Backhoes (1) Plow (1) Dozer (4) pick-ups (2) Dump trucks (1) 10-Boy

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.
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2	"	✓		1.11	47	538+87	544+67	580'
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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: Jeff D McKoy

Spread/Site Number: #3-4875 Day: Mo Tu We (Th) Fr Sa Su Date: 11-16-00 Contract No: 9991534-44

Hours Worked: 10 Weather: Sunny Temp: 60° Contractor: Heckels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One Bore Machine 2720 with Mud Mixing Unit. One Utility Truck with Equipment, One Vac-Pothole Truck, 6 Man Crew & Foreman

NO:	ITEM DESCRIPTION	PAY UNIT U	PAY UNIT T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1#	Trench & Place			1.11	047	544+67	549+27	460'
2#	Open Trench & Asphalt			331	047	546+06	549+27	321'
~~3#~~	~~Other Contacts~~							
3#	5" Steel Casing			1.41	047	545+03	545+13	10'
4#	5" Steel Casing			1.41	047	547+63	547+73	10'

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
1#	1" Gas Line	1"	545+08	54"	Williams Requirement
2#	Covert	12"	547+60	12"	Williams Requirement

REMARKS: The Williams inspector, had to Re write the ASBUILT and Daily Report. Dated Back 10-25-00

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Inspector Daily Report

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Williams COMMUNICATIONS

Name: Jeff D McKoy

Spread/Site Number: #3-4875

Day: Mo (Tu) We Th Fr Sa Su Date: 11-14-00

Contract No: 9991341-14

Hours Worked: 10

Weather: Partly Cloudy & Cool Temp: 36°

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Ditch witch Bore Machine, One Mud Mixing Machine, One Vac-Pot Hole Truck, One Pick up Truck with Tools & Equipment. 6 Man Crew with Fore Man

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	Slick Bore			3.21	048	549+27	549+79	52'
2nd	Direct Bore			1.11	048	549+27	549+79	52'

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 Rolling Williams Conduits

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Name: Kenny Strickland

Spread/Site Number: 4877

Hours Worked: 11

Day: Mo Tu We Th Fr Sa Su

Weather: Sunny

Date: 8-28-00

Temp: 85°

Contract No: 99P1541-18

Contractor: Hinkels & Mercy

Contractor Equipment on Site (Quality & Type): (2) Backhoes (1) Plow (1) Dozer (4) pick-ups (2) Dump trucks (1) 10-Boy

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.
[redacted]	Install (3) H.D.P.E.	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	"	[redacted]		1.11	[redacted]	[redacted]	[redacted]	[redacted]
3	"	✓		1.11	48	549+79	556+94	715
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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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Williams COMMUNICATIONS

Name: CHARLES GIER

Spread/Site Number: 4877

Day: Mo (Tu) We Th Fr Sa Su Date: 8-29-00

Contract No: 99A541-18

Hours Worked: 10

Weather: CLOUDY Temp: 65°

Contractor: H & M

Contractor Equipment on Site (Quality & Type): 1 - PLOW 2 - BACK HOES 1 REEL TRAILOR

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 IN PLACE	X		1.11	048	556+94	558+21	127' ✓
2	INSTALL 4" STEEL	X		1.41	048	557+20	557+30	10' ✓
3	INSTALL 4" STEEL	X		1.41	048	557+95	558+05	10' ✓
4	TRENCH IN PLACE	X		1.11	049	569+47	570+47	100' ✓

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
1	WATER LINE	6"	557+25	6'	FOREIGN UTILITY
2	GAS	1	558+00	3'	FOREIGN UTILITY

REMARKS:

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Inspector Daily Report

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Name: Kenny Strickland

Spread/Site Number: 4877

Day (Mo) Tu We Th Fr Sa Su Date: 8-28-00

Contract No: 99P1541-18

Hours Worked: 11

Weather: Sunny Temp: 85°

Contractor: Hinkle & Heavy

Contractor Equipment on Site (Quality & Type): (2) Backhoes (1) Plow (1) Dozer (4) pick-ups (2) Dump trucks (1) 10-Boy

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.
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
4	"	✓		1.11	48,49	558+21	561+96	375'

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: JOHN PADGETT

Spread/Site Number: 3-4875 Day: Mo Tu (We) Th Fr Sa Su Date: 9-20-00 Contract No: 99P1541.14

Hours Worked: 10 Weather: CLEAR Temp: 90 Contractor: H & M

Contractor Equipment on Site (Quality & Type): 1 BACKHOE - 1 TANK TRUCK - 1 REEL TRUCK - 2 PICKUPS - 1 BORE RIG.

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 - BORE	X		1.11	49	561+96	562+42	46'
2	BEG 4" STEEL CONDUIT	X		1.41	49	561+76	561+94	18'
3	INSTALL STEEL CONDUIT - TRACK CROSSING	X		3.22	49	561+94	562+24	30'
4	INSTALL 4" STEEL CONDUIT	X		1.41	49	562+24	562+42	18'
5	INSTALL HDPE - TRENCH	X		1.11	49	562+42	562+86	44'
6	INSTALL HDPE - TRENCH	X		1.11	49	562+86	563+90	104'

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

Williams COMMUNICATIONS

Inspector Daily Report

Page 1 of 1

Name: Jeff D McKay

Spread/Site Number: 3 South 4875

Day: Mo Tu We Th Fr Sa Su

Date: 4-3-01

Contract No: 99P1541-14

Hours Worked: 10

Weather: Sunny & Clear

Temp: 70'

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): Back Hoe, Flat Bed with Hand Hole Boxes, Dump Truck with Rock Two Pickup Trucks with Tools & Equipment

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 Hand Hole Box Geyserville Hyway 128			341	W-43	562+79	562+79	1 ✓
2	~~Installed Hand Hole Box [illegible] RW-Wood~~			~~341~~	~~W-71~~	~~[illegible]~~	~~[illegible]~~	~~2~~

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 Hand Hole.

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Inspector Daily Report

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Williams COMMUNICATIONS

Name: Joe Millan

Spread/Site Number: #8 South Spread 5

Day: Mo Tu We Th (Fr) Sa Su Date: 10/13/00

Contract No: 99/1541-14

Hours Worked: 10

Weather: Sunny Temp: 70°

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): (1) 2720 Ditch Witch Boring Machine (1) Mud Trk. (1) Vac Trk (1) Case 590L Back Hoe (1) Welding Truck & Welder (4) Man Crew All Safety Barricrs

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.	Steel Adder	✓		1.41	#049	562+86	563+33	47'
2.	Steel Adder	✓		3.22	#049	563+33	563+55	22'
3	Steel Adder	✓		1.41	#049	563+55	563+79	24

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
1.	Sewer (16") Line	16"	562+91	108" @ Bottom	Required
2.	Gas 12" In Case	18"	563+22	66" @ Top 84" @ Bottom	Required
3.	Gas 8" Line	8"	563+35	68" @ Bottom	Required
4	Water 4" Line	4"	563+63	36" @ Bottom	Required
5.	Water 4" Line	4"	563+74	36" @ Bottom	Required

REMARKS: Note: The Reason For Additional Steel Adder. Was The Utilities All @ different locations & depths. Through The Complete Bore. Total of Footage is. 93' (22' @ 3.22 and 71' @ 1.41)

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Distribution: Original - Spread Supervisor Yellow - Contractor Pink Inspector

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Williams COMMUNICATIONS

Name: Kenny Strickland
Spread/Site Number: 4877
Hours Worked: 12

Day: Mo (Tu) We Th Fr Sa Su Date: 8-~~28~~-00
Weather: Cloudy Temp: 72°

Contract No: 99P1541-18
Contractor: Hinkle & Mccoy

Contractor Equipment on Site (Quality & Type): (1) Plow (1) Dozer (2) Dump trucks (2) Backhoe, (3) quads (4) pick-ups

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 (3) H.D.P.E.	✓		1.11	~~49~~ 49	563+90	569+47	557' ✓
2	Install (3) H.D.P.E.	✓		1.4	~~49~~ 49 & 50	570+47	573+98	351' ✓
					SAGE-SD	MATCHLINE 571+78		

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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Williams COMMUNICATIONS

Name: Kenny Strickland
Spread/Site Number: 4877
Hours Worked: 12
Day: Mo (Tu) We Th Fr Sa Su Date: 8-~~28~~-00
Weather: Cloudy Temp: 72°
Contract No: 991541-18
Contractor: Hinkle & McCoy
Contractor Equipment on Site (Quality & Type): (1) Plow (1) Dozer (2) Dump trucks (2) Backhoes, (3) guards (4) pick-ups

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 (3) H.D.P.E.	✓		1.11	~~SALR~~ 49	563+80	569+47	557' ✓
2	Install (3) H.D.P.E.	✓		1.4	~~SALR~~ 49 CSD	570+47	573+98	351' ✓
					SALR-50	MATCHLINE 571+78		

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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Williams COMMUNICATIONS

Name: Jeff D McKoy

Spread/Site Number: 3-4875

Day: Mo (Tu) We Th Fr Sa Su Date: 11-14-00

Contract No: 99P1541-14

Hours Worked: 10

Weather: Partly Cloudy/Cool Temp: 56°

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Ditch Witch, Bore Machine, One MD Mixing Machine One VAC-POT Hole Truck. One Pick up with Tools & Equipment, 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.
1st	Slick Bore			3.21	050	573+98	576+22	2:24
2nd	Direct Bore			1.11	050	573+98	576+22	2:24

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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Williams COMMUNICATIONS

Name: JEFF MCWOY

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 1-9-01 Contract No: 99P15341.14

Hours Worked: 10 Weather: RAIN Temp: 52 Contractor: H & M

Contractor Equipment on Site (Quality & Type): PLOW - 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 HDPE - TRENCH	X		1.11	50	576+22	576+28	6'

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: Kenny Strickland

Spread/Site Number: 4877

Day: Mo Tu (We) Th Fr Sa Su

Date: 8-30-00

Contract No: 99-P1541-18

Hours Worked: 11

Weather: Cloudy / Rain

Temp: 70°

Contractor: Hinkle & McCoy

Contractor Equipment on Site (Quality & Type): (2) Back hoes (1) plow (4) Dozer (1) Dumptruck (3) gomels (4) pick-ups — (1) Reel 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 (3) H.D.P.E. 1	✓		1.11	#50	576+28	582+94	666' ✓
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted] ✓

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

Inspector Daily Report

Name: CHARLES GIER

Spread/Site Number: 4877 Day: Mo Tu (We) Th Fr Sa Su Date: 8-30-00 Contract No: 99P1541.18

Hours Worked: 10 Weather: CLOUDY Temp: 63° Contractor: H & M

Contractor Equipment on Site (Quality & Type): 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	TRENCH IN PLACE	X		1.11	050	582+94	584+12	118' ✓
2	INSTALL 5" STEEL	X		1.41	050	583+95	584+05	10' ✓
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
					SACR-51	MATCHLINE 583+78		

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
1	WATER	6"	584+00	24"	FOREIGN UTILITY

REMARKS:

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Williams COMMUNICATIONS

Inspector Daily Report

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Name: CHARLES GIER

Spread/Site Number: 4877

Day: Mo Tu (We) Th Fr Sa Su

Date: 8-30-00

Contract No: 99P1541.18

Hours Worked: 10

Weather: CLOUDY

Temp: 63°

Contractor: H & M

Contractor Equipment on Site (Quality & Type): 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	TRENCH IN PLACE	X		1.11	050	582+94	584+12	118' ✓
2	INSTALL 5" STEEL	X		1.41	050	583+95	584+05	10' ✓
[redacted]	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
					SPCR-51	MATCHLINE 583+78		

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
1	WATER	6"	584+00	24"	FOREIGN UTILITY

REMARKS:

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Pink Inspector

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Inspector Daily Report

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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo Tu (We) Th Fr Sa Su Date: 8-30 Contract No: 99P1541.14

Hours Worked: 10 Weather: CLOUDY Temp: 70 Contractor: H&M

Contractor Equipment on Site (Quality & Type): 2-BACKHOES 1 PLOW-1 DOZER- 1 DUMPTRUCK-1 REELTRUCK.

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	X		1.11	51	584+12	587+27	315'
2	INSTALL HDPE-TRENCH	X		1.11	51	587+27	588+14	87'
3	INSTALL HDPE-TRENCH	X		1.11	51	588+14	588+17	3'
4	INSTALL HDPE-	X		1.11	51	588+17	593+77	560'

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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Williams COMMUNICATIONS

Name: CHARLES GIER

Spread/Site Number: 4877 South Spread 3 Day: Mo (Tu) We (Th) Fr Sa Su Date: 8-31-00 Contract No:

Hours Worked: 10 Weather: CLOUDY Temp: 67° Contractor: H&M

Contractor Equipment on Site (Quality & Type): 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	TRENCH IN PLACE	X		1.11	52/~~53~~	593+77	599+30	553' ✓
2	IN STALL 5" STEEL	X		1.41	052	594+12	594+22	10' ✓
3	IN STALL 5" STEEL	X		1.41	052	596+82	596+92	10' ✓
4	IN STALL 5" STEEL	X		1.41	052	599+00	599+10	10' ✓
					SALR-52	MATCHLINE 595+57		

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
1	WATER	3"	594+17	10'	
2	WATER	3"	596+87	12"	
3	GAS	2"	599+05	36"	

REMARKS:

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Williams COMMUNICATIONS

Name: Kenny Strickland

Spread/Site Number: 4877

Day: Mo Tu We (Th) Fr Sa Su Date: 8-31-00 Contract No: 99P1541-18

Hours Worked: 11 Weather: Sunny Temp: 70° Contractor: Hinkels & McCoy

Contractor Equipment on Site (Quality & Type): (2) Backhoes (1) plow (1) Dozer (4) pick-ups (3) Quads (1) Reel trailor

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1.	Plow (3) H.D.P.E.	✓		1.11	52	599+30	603+55	425' ✓
2	Trench (3) H.D.P.E	✓		1.11	52	603+55	604+45	90' ✓
3	Plow (3) H.D.P.E.	✓		1.11	52, 53	604+45	611+80	735' ✓
4	Trench (3) H.D.P.E.	✓		1.11	53	611+80	612+30	50' ✓
5	Plow (3) H.D.P.E.	✓		1.11	53	612+30	616+37	407' ✓
6	Install steel 4"	✓		1.41	52	604+26	604+36	10' ✓
7	Install steel case 5"	✓		1.41	53	612+05	612+15	10' ✓
8	Install steel case 5"	✓		1.41	53	612+17	612+27	10' ✓
					SALR-53	MATCHLINE 607+58		

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
1	Gas	½"	604+31	8'	foreign
2	Water	4"	612+10	30"	foreign
3	Telephone cable	½"	612+22	24"	foreign

REMARKS: _____

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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 3- 4875 Day: Mo (Tu) We Th Fr Sa Su Date: 10-24-00 Contract No: 99P1541.14

Hours Worked: 10 Weather: FAIR Temp: 75 Contractor: H & M

Contractor Equipment on Site (Quality & Type): 1 BORER/G - 1 VACK TRUCK - 4 BACKHOES - 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 - TRENCH	X		1.11	53	616+37	617+67	130'

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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Williams COMMUNICATIONS

Name: Kenny Strickland

Spread/Site Number: 4877 Day: Mo Tu We Th (Fr) Sa Su Date: 9-1-00 Contract No: 99P1541-18

Hours Worked: _____ Weather: Rainy Temp: 61° Contractor: Hinkels & McCoy

Contractor Equipment on Site (Quality & Type): (2) Back hoes (1) Plow (1) Dozer (4) pick-ups (2) quads (1) Reel 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	Plow (3) H.D.P.E	✓		1.11	53,54	617+67	622+01	434' ✓
2	Trench (3) H.D.P.E	✓		1.11	54	622+01	622+61	60' ✓
3	Plow (3) H.D.P.E.	✓		1.11	54	622+61	629+04	643' ✓
4	Station/Marking/Staking running line for weed	✓			46-55	530+59	(629+04)	9845' ✓
					SALR-54	MATCHLINE 6M57		

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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Williams COMMUNICATIONS

Name: JEFF MOODY

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 1-9-01 Contract No: 99P1541.14

Hours Worked: 10 Weather: RAIN Temp: 52 Contractor: HIM

Contractor Equipment on Site (Quality & Type): PLOW - 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 HDPE -	X		1.11	54	629+04	632+07	303'
					SAGE - 55	MATCHLINE 631+32		

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 MOODY

Spread/Site Number: 3-4875 Day: Mo Tu (We) Th Fr Sa Su Date: 11-8-00 Contract No: 9901541.14

Hours Worked: 10 Weather: SUNNY Temp: 67 Contractor: H&M

Contractor Equipment on Site (Quality & Type): 2-BACKHOES - 1 BORER/JG - 1 MUD TRUCK - 1 VAC TRUCK - 1 PICKUP.

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 - BORE	X		1.11	55	632+67	633+87	120'
2	INSTALL HDPE - SLICK BORE	X		3.21	55	632+67	633+87	120'

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: D/R GEYERVILLE-4

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Williams COMMUNICATIONS

Name: Kenny Strickland

Spread/Site Number: 4877

Day: Mo (Tu) We Th Fr Sa Su Date: 9-6-00 (5)

Contract No: 99P1541-18

Hours Worked: 11

Weather: _____

Temp: 84°

Contractor: H&M

Contractor Equipment on Site (Quality & Type): (1) Plow (2) Backhoes (4) pick-ups (1) Pull tractor

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	Plow in (3) H.D.P.E.	✓		1.11	55	633+87	643+87	1000' ✓
2	"	✓		1.11	56	644+67	650+67	600' ✓
[redacted]								
					SALR-56	MATCHLINE 642+98		

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: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo Tu We Th (Fr) Sa Su Date: 10-20-00 Contract No: 99P1541.14

Hours Worked: 10 Weather: CLOUDY Temp: 70 Contractor: H & M

Contractor Equipment on Site (Quality & Type): 4 BACKHOES - 1 WATERTRUCK - 4 PICKUPS -

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 - TRENCH	X		1.11	56	643+87	644+67	80'

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: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 10-10-00 Contract No: 9918541.14

Hours Worked: 10 Weather: RAIN Temp: 70 Contractor: H & M

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

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 5" STEEL CONDUIT	X		1.41	56	644+35	644+40	5'
2	INSTALL 5" STEEL UNDER ASPHALT	X		3.22	56	644+40	644+50	10'
3	INSTALL 5" STEEL CONDUIT	X		1.41	56	644+50	644+55	5'

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

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Name: John Padgett

Spread/Site Number: 3North

Day: Mo (Tu) We Th Fr Sa Su

Date: 9-5-00

Contract No: 99P1541-[illegible]

Hours Worked: 10

Weather: Clear

Temp: 80+

Contractor: Hinkels & McCoy

Contractor Equipment on Site (Quality & Type): 1-D-4. CAT. 1-D-8. CAT 2. BACKHOE 1. F.250 PICKUP 1. Reel TRAILOR 6 men

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	open TRENCH	—		1.11	056	650+67	651+24	57' ✓
2.	place 4" steel pipe	—		1.41	056	651+04	651+14	10' ✓

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
2.	Steel Calvert	12"	651+09	12"	Required

REMARKS:

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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 9-6-00 Contract No: 9901541.14

Hours Worked: 10 Weather: Temp: 84 Contractor: H&M

Contractor Equipment on Site (Quality & Type): 1 PLOW - 2 BACKHOES - 4 PICK-UPS - 1 PULL-TRACKOR.

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 - PLOW	X		1.11	56	651+24	653+16	192'
2	INSTALL HDPE - PLOW	X		1.11	56	653+16	654+83	167'
3	INSTALL HDPE - PLOW	X		1.11	56-57	654+83	657+17	224'
					SACR-57	MATCHLINE 654+51		

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: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: (Mo) Tu We Th Fr Sa Su Date: 10-9-00 Contract No: 99P1541.14

Hours Worked: 10 Weather: RAIN Temp: 70 Contractor: HENKELS

Contractor Equipment on Site (Quality & Type): 1 BORE MACHINE, 1 BACKHOE, 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 5' STEEL CONDUIT	X		1.41	56-57	654+43	654+48	5'
2	INSTALL 5' STEEL UNDER ASPHALT	X		3.22	56-57	654+48	654+58	10'
3	INSTALL 5' STEEL CONDUIT	X		1.41	56-57	654+58	654+63	5'

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

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Name: Jeff D McKoy

Spread/Site Number: #3-4875

Day: Mo (Tu) We Th Fr Sa Su

Date: 11-7-00

Contract No: 99P1541-14

Hours Worked: 10

Weather: Sunny

Temp: 70°

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoe's, One Pot Hole & Vac Truck, One 2027 Bore Machine One Mud Mixing Machine, 5 Man work crew with Forman

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#	{Direct Bore}			3.21	056	657+17	659+66	249
	{Slick Bore}							
2#	Direct Bore			1.11	056	657+17	659+66	249

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 Poly.
D - Geyerville - 3

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Williams COMMUNICATIONS

Name: KENNY STALLLAND

Spread/Site Number: 3-4875 Day: Mo Tu (We) Th Fr Sa Su Date: 9-6-00 Contract No: 99P15W1.14

Hours Worked: 10 Weather: SUNNY Temp: 97 Contractor: HPM

Contractor Equipment on Site (Quality & Type): 1 PLOW - 2 BACKHOES - 1 NULL TRACTOR - 4 PICKUPS - 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 -	X		1.11	57	659+66	660+90	124'
2	INSTALL HDPE-PLOW	X		1.11	57-58	660+90	667+30	640'
3	INSTALL HDPE-TRENCH	X		1.11	58	667+30	667+41	11'
4	INSTALL HDPE-BORE	X		1.11	58	667+41	669+88	247'
5	INSTALL HDPE-SLICKBORE	X		3.21	58	667+41	669+88	247'
6	INSTALL HDPE - PLOW	X		1.11	58	669+88	675+66	578'
					SALR-58	MATCHLINE 666+52		

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: SLICK BORE-D-6 EYSERVILLE - 2

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Williams COMMUNICATIONS

Name: Draden Padgett

Spread/Site Number: H877 South Spread 3

Day: Mo Tu We (Th) Fr Sa Su Date: 9-28-00

Contract No: 99 P 1541-14

Hours Worked: 7-5

Weather: Clear Temp:

Contractor: Hunter-McCoy

Contractor Equipment on Site (Quality & Type): 2-590 Case Backhoe / Ditchwith Bore Machine / 1/2 ton Pickup

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 HDPE			1.11	058	675+66	676+21	55'
	Installed 5" Steel Pipe			1.41	058	675+68	675+73	5'
	Installed " " "			3.22	058	675+73	676+13	40'
	Installed " " "			1.41	058	676+13	676+18	5'

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
1	C/L's Du Bose Road	40'	675+93		Paved Road

REMARKS:

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Name: John Padgett

Spread/Site Number: 3 North

Day: Mo Tu (We) Th Fr Sa Su

Date: 9-6-00

Contract No: 99P1541:18

Hours Worked: 10

Weather: Clear

Temp: 80 +

Contractor: Henkel + McCoy

Contractor Equipment on Site (Quality & Type): 1. CAT. D-4 1 CAT-D-8 2. Backhoes 1. F350 pickup 1. Reel Trailer 8' men

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 + place H.D.P.E	✓		1.11	058	676+21	677+07	86' ✓
2.	Place 4" Steel conduit	✓		1.41	058	676+72	676+87	10' ✓
3.	Trench + Place H.D.P.E	✓		1.11	059	679+13	680+33	120'
4.	Place 4" Steel conduit	✓		1.41	059	680+08	680+18	10'
					SALR-59	MATCHLINE 678+55		

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
2.	6" water line	6"	676+82	12"	Required
4	12" Calvert	12"	680+13	12"	Required

REMARKS:

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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 2-4875 Day: Mo Tu (We) Th Fr Sa Su Date: 9-6-00 Contract No: 99P1541.14

Hours Worked: 10 Weather: SUNNY Temp: 97 Contractor: H&M

Contractor Equipment on Site (Quality & Type): 1 PLOW - 2 BACKHOES - 1 PULLTRACTOR - 4 PICKUPS - 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 - PLOW	X		1.11	59	680+33	685+18	485'
2	INSTALL HDPE - TRENCH	X		1.11	59	685+18	686+61	143'
3	INSTALL 5" STEEL CONDUIT	X		1.41	59	685+66	685+71	5'
4	INSTALL 5" STEEL UNDER ASPHALT	X		3.22	59	685+71	686+16	45'
5	INSTALL 5" STEEL CONDUIT	X		1.41	59	686+16	686+21	5'

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: Jeff D McKay

Spread/Site Number: #3-4875

Day: Mo Tu (We) Th Fr Sa Su Date: 11-29-00

Contract No: 99P1541-14

Hours Worked: 10

Weather: RAIN & OVERCAST Temp: 56°

Contractor: HENKELS & McCOY

Contractor Equipment on Site (Quality & Type): TWO BACK HOES, ONE 2720 BORE MACHINE WITH WATER & MUD MIXING UNIT. ONE VAC-PAC HOLE TRAILER. ONE UTILITY VEHICLE WITH TOOLS & EQUIPMENT. 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.
1st	Slick Bore			3.21	059	687+79	689+79	200'
2nd	Direct Bore			1.11	059	686+61	689+90	329'

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
1st	GAS LINE	4"	689+39	3'	WILLIAMS REQUIREMENT

REMARKS: THE WILLIAMS INSPECTOR OBSERVED THE CONTRACTOR BORING AND PULLING CONDUITS D-GENERALLE-1

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Williams COMMUNICATIONS

Name: Jeff D McCoy
Spread/Site Number: #3-4875
Hours Worked: 10
Day: Mo Tu (We) Th Fr Sa Su Date: 11-29-00
Weather: RAINY OVERCAST Temp: 56°
Contract No: 99P1541-14
Contractor: Henkels & McCoy
Contractor Equipment on Site (Quality & Type): TWO BACK HOES, ONE 2720 Bore Machine, With Water & Mud Mixing UNIT. ONE POT HOLE - VAC TRAILER. ONE UTILITY VEHICLE WITH EQUIPMENT AND TOOLS ALSO, 6 MAN CREW WITH FOREMAN

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1st	Trench & Place			1.11	0.59	689+90	690+22	32'
					SACR-60	MATCHLINE 690+55		

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 Williams conduits

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Williams COMMUNICATIONS

Name: Kenny Strickland

Spread/Site Number: 4877

Day: Mo Tu We (Th) Fr Sa Su Date: 9-7-00

Contract No: 99P1541-18

Hours Worked: 10

Weather: 99° sunny Temp: 99°

Contractor: Hinkels & McCoy

Contractor Equipment on Site (Quality & Type): (1) plow (2) Backhoes (1) pull tractor (4) pick-ups (1) Reel trailor (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	Plow 3 H.D.P.E	✓		1.11	59-61	690+22	713+31	2309' ✓
2	Plow 3 H.D.P.E.	✓		1.11	62	715+26	718+60	334' ✓
3	plow 3 H.D.P.E.	✓		1.11	62 **	719+51	721+35	184' ✓
					SACR-61	MATCHLINE 707+55		

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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Williams COMMUNICATIONS

Name: Kenny Strickland

Spread/Site Number: 4877

Day: Mo Tu We (Th) Fr Sa Su Date: 9-7-00

Contract No: 99P1541-18

Hours Worked: 10

Weather: 99° sunny Temp: 99°

Contractor: Hinkels & McCoy

Contractor Equipment on Site (Quality & Type): (1) plow (2) Backhoes (1) pull tractor (4) pick-ups (1) Reel trailor (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	plow 3 H.D.P.E	✓		1.11	59-61	690+22	713+31	2309' V
2	plow 3 H.D.P.E.	✓		1.11	62	715+26	718+60	334' V
3	plow 3 H.D.P.E.	✓		1.11	62 **	719+51	721+35	184' V
					SALE-61	MATCHLINE 702455		
					SALE-62	MATCHLINE 714455		

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: John Pedsott

Spread/Site Number: 3. North

Day: Mo Tu We (Th) Fr Sa Su Date: 6-7-00

Contract No: 99AP1541.18.

Hours Worked: 10

Weather: Clear Temp: 85+

Contractor: Henkle's McCoy

Contractor Equipment on Site (Quality & Type): 1.24 CAT - 10B.CAT 2.CAT BACKhoe

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	OPEN TRENCH	—		1.11	062	713+31	715+26	195' ✓
2	PLACE 4" STEEL CONDUIT	—		1.41	062	713+01	714+11	10' ✓
	INSTALL HDPE - PLOW	—		1.11	062	715+26	718+60	334'
3	OPEN TRENCH	—		1.11	062	718+60	719+51	91' ✓
	INSTALL HDPE - PLOW	—		1.11	062	719+51	721+35	184'
4	PLACE 4" STEEL CONDUIT	—		1.41	062	719+09	719+19	10' ✓
5	Place 4" Steel Conduit	—		1.41	062	715+01	715+11	10' ✓

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
5	WATER	10"	713+06	33" TOP GRADE	Required
4	GAS	3"	719+14	21' Top GRADE	Required
2	WATER	10"	714+06	20" TOP GRADE	Required

REMARKS:

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Distribution: Original - Spread Supervisor Yellow Contractor Pink Inspector

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Inspector Daily Report

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Name: John Pedsett

Spread/Site Number: 3. North

Day: Mo Tu We (Th) Fr Sa Su Date: 6-7-00

Contract No: FAP1541.18.

Hours Worked: 10

Weather: Clear Temp: 85+

Contractor: Henkle's McCoy

Contractor Equipment on Site (Quality & Type): 1.D4 CAT - 1D8.CAT 2.CAT 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	OPEN TRENCH	✓		1.11	062	713+31	715+26	195' ✓
2	PLACE 4" Steel Conduit	✓		1.41	062	713+01	714+11	10' ✓
	INSTALL HDPE - PLOW	✓		1.11	062	715+26	718+60	334'
3	OPEN TRENCH	✓		1.11	062	718+60	719+51	91' ✓
	INSTALL HDPE - PLOW	✓		1.11	062	719+51	721+35	184'
4	PLACE 4" Steel Conduit	✓		1.41	062	719+09	719+19	10' ✓
5	Place 4" Steel Conduit	✓		1.41	062	715+01	715+11	10' ✓

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
5	WATER	10"	713+06	33" TOP GRADE	Required
4	GAS	3"	719+14	21' TOP GRADE	Required
2	WATER	10"	714+06	20" TOP GRADE	Required

REMARKS:

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Pink - Inspector

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Name: Jeff D McKoy

Spread/Site Number: #3-4875 Day: Mo Tu We Th Fr Sa Su Date: 11-28-00 Contract No: 998134I-14

Hours Worked: 10 Weather: Overcast & Cool Temp: 32° Contractor: Hawkins & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Bore Machine with Water & Mud Mixing unit. One Utility Vehicle with Tools & Equipment. One Vac-Pot Hole Truck. 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.
1st	Direct Bore - Slick			3.21	062	721+35	727+31	596'
2nd	Direct Bore			1.11	062	721+35	727+31	596'
					SALR-63	MATCHLINE 726+60		

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 Placing Conduits. WETLAND W-JimTown-5 Per Invironmental Delineation & DFG Drainage D/R JimTown-9

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Inspector Daily Report

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Name: Jeff D McKay

Spread/Site Number: #3 L 4875

Day: Mo (Tu) We Th Fr Sa Su Date: 11-28-00

Contract No: 99P154-14

Hours Worked: 10

Weather: Overcast & Cool Temp: 32°

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Bore Machine with Water & Mud Mixing Unit. One Utility Vehicle with Tools & Equipment, One Vac-Pot Hole Truck. 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#	Slick Bore			3.21	063	727+31	733+54	623'
2#	Direct Bore			1.11	063	727+31	733+54	623'

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 Inspector observed the contractor boring and placing Williams conduits D/R Jimtown-5

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Williams COMMUNICATIONS

Name: JEFF NICKOV

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 1-9-01 Contract No: 9991541.14

Hours Worked: 10 Weather: RAIN Temp: 52 Contractor: H & M

Contractor Equipment on Site (Quality & Type): PLOW - BACKHOE,

NO:	ITEM DESCRIPTION	PAY. U.P.	CAT TRK	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO. FROM	STATION NO. TO	UNIT QTY.
1	INSTALL HDPE - TRENCH	X		1.11	63	733+54	733+64	10'

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: Todd McKoy

Spread/Site Number: ~~TB~~-4875

Day: (Mo) Tu We Th Fr Sa Su Date: 11-27-00

Contract No: 99B541-14

Hours Worked: 10

Weather: Overcast & Cool Temp: 34°

Contractor: Hawkeye/McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Bore Machine with Mud Mixing Unit, One Vac-Pot Hole Truck, One Utility Vehicle with Tools & Equipment, 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.
1st	Slick Bore			3.21	063 TO 064	733+64	741+74	810'
2nd	Direct Bore			1.11	063 TO 064	733+64	741+74	810'
					SALR-64	MATCHLINE 738+60		

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 and Placing Williams ~~Rope~~ W-JimTown-5, D/R JimTown-8 & W-JimTown-4

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Name: Jeff D McKoy

Spread/Site Number: 3-4875

Day: Mo (Tu) We Th Fr Sa Su Date: 11-28-00

Contract No: 99P54144

Hours Worked: 10

Weather: Overcast & Cool Temp: 52°

Contractor: Henkels & McKoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Bore Machine with Water & Mud Mixing Units, One Utility vehicle with Tools & Equipment, One Vac-Pot Hole vehicle. 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#	Trench & Place			1.11	064	741+74	742+63	89'

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 Trenching and Placing Conduit.

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Inspector Daily Report

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Name: Jeffrey D McKay
Spread/Site Number: #3-4875
Hours Worked: 10
Day: (Mo) Tu We Th Fr Sa Su
Date: 11-27-00
Weather: Overcast & Cool
Temp: 54°
Contract No: 99954-14
Contractor: Henkels & McCoy
Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Bore Machine with Mud Mixing Unit, One Vac-Con Hole Truck, One utility Vehicle with Tools & Equipment. 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#	Slick Bore			3.21	064	742+63	750+17	754'
2#	Direct Bore			1.11	064	742+63	750+17	754'

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 Contractors Boring and Placing Williams Hose. W-Jintown-3 Wetland Delineated by Enviromental

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Williams COMMUNICATIONS

Name: JEFF MCKOY

Spread/Site Number: 3-4875 Day: Mo Tu We Th Fr Sa Su Date: 1-9-01 Contract No: 9901541.14

Hours Worked: 10 Weather: RAIN Temp: 52 Contractor: H & M

Contractor Equipment on Site (Quality & Type): PLOW - 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 HDPE	X		1.11	64-65	750+17	751+48	131'
					SALR-65	MATCHLINE 760+60		

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: Kenny Strickland

Spread/Site Number: 4877 3 North

Day: Mo Tu We Th (Fr) Sa Su Date: 9-8-00

Contract No: 991541-18

Hours Worked: 10

Weather: SUNNY Temp: 90° +

Contractor: Hulcey & McCoy

Contractor Equipment on Site (Quality & Type): (2) BACKHOES (1) plow (1) pull tractor 4-PER-UPS (1) Dump truck (1) Reel 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	Plow	✓		1.11	64-66	751+48	766+91	1543' ✓
2	Stabilizing Runaway Line for Week	✓		5.21		629+04	766+91	13,787
					SALR-66	MATCHLINE 762+50		

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: JOE MILLAN

Spread/Site Number: #4 South Spread 3

Day: Mo Tu (We) Th Fr Sa Su Date: 10/11/00 Contract No:

Hours Worked: 10 Weather: OVERCAST/COOL Temp: 70° Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): (1) 2720 DITCHWITCH BORING MACHINE (1) MUD TRUCK (1) VAC-TRUCK (1) 590L CASE BACK HOE (1) WELDING TRUCK (5) MAN CREW ALL SAFETY BARRIERS

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 - TRENCH	✓		1.11	#066	766+91	770+13	322'
2.	Steel Adder	✓		1.41	#066	767+94	767+99	5'
3.	Steel Adder	✓		3.22	#066	767+99	768+66	67'
4.	Steel Adder	✓		1.41	#066	768+66	768+75	9'

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
1	LYTTON SPRINGS ROAD	67	768+25	135"	Required E.P. TO E.P.
2.	" " "	5'	768+25	135"	Required FROM E.P TO +5'
3.	A.T. & T. F.O.C.	2'	768+70	72"	Required / Crossing Utility

REMARKS: INSTALL STEEL ADDER FROM E.P. STA# 767+99 TO E.P. STA.# 768+66 - INSTALL Additional Steel Adder due TO A.T. & T. F.O.C. @ ℄ STA. # 768+70 5' ON BOTH Sides.

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Name: JOE MILLAN

Spread/Site Number: ~~#8~~ Sixth Spread 5

Day: (Mo) Tu We Th Fr Sa Su Date: 10/09/00 Contract No:

Hours Worked: 10 Weather: SUNNY / OVERCAST Temp: 75° Contractor: HENKELS & McCOY

Contractor Equipment on Site (Quality & Type): ① CASE TRENCHER ① CASE 590 SL BACKHOE ④ MAN CREW ALL SAFETY BARRIERS

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.	TNP 2x1.5 & 1x1.25 HDPE	✓		1.11	#066-067	770 + 13	776+15	602' ✓
2.	STEEL ADDER	✓		1.41	#066-#067	773+53	773+63	10' ✓
					SALR-67	MATCHLINE 774+60		

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
1	GAS LINE	6"	773+58	24"@TOP 30"@BOTTOM	REQUIRED

REMARKS: INSPECT TNP FROM STA.# 770+13 TO STA# 776+15 FOR A TOTAL 602'
ALSO INSPECT STEEL ADDER UNDER GAS LINE @ STA# 773+53 TO STA# 773+63 FOR A 10' TOTAL

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Williams COMMUNICATIONS

Name: Jeff D McKoy

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 02-6-01 Contract No: 99P1541-14

Hours Worked: 10 Weather: Sunny & Cool Temp: 49° Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): 2720 Bore Machine with Water Mud Unit, one Back Hoe, Two Pick up Trucks, one utility Truck with welding Machine. 4 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 3HDPE			1.11	067	776+15	784+34	819' ✓
2#	Slick Bore			3.21	067	776+15	784+34	819' ✓

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 Williams 3 Conduits.

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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo Tu (We) Th Fr Sa Su Date: 10-11-00 Contract No: 99P15411.14

Hours Worked: 10 Weather: CLOUDY Temp: 70 Contractor: H&M

Contractor Equipment on Site (Quality & Type): 2 TRENCHERS - 1 BACKHOE - 1 BULLDOZER.

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 - TRENCH	X		1.11	67-68	784+34	788+45	411'
2	INSTALL HDPE - TRENCH	X		1.11	68	788+45	792+30	385
					SALR-68	MATCHLINE 786+60		

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: JOE MILLAN

Spread/Site Number: ~~#4~~ South Spread 3

Day: Mo (Tu) We Th Fr Sa Su Date: 10/10/00

Contract No: _____

Hours Worked: 10

Weather: RAIN / WET Temp: 70°

Contractor: HENKELS & McCOY

Contractor Equipment on Site (Quality & Type): (2) 4150 VERMEER TRENCHERS (3) F250 FORD TRKS. (1) 550 FORD TRK & FLATBED TRAILOR (1) F450 FORD TRK (1) F350 FORD TRK (1) CASE 590 SUPER L BACKHOE (1) D4H CAT BULLDOZIER (12) MAN CREW ALL SAFETY BARRIERS

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	TNP 2x1.5 & 1x1.25 HDPE	✓		1.11	#068	792+30	797+84	554' ✓
2.	TNP 2x1.5 & 1x1.25 HDPE	✓		1.11	#068 & #069	797+84	801+11 @ Coupler	327' ✓
3.	TNP 2x1.5 & 1x1.25 HDPE	✓		1.11	#068 & #069	801+11 @ Coupler	804+96	385' ✓
					SACR-69	MATCH LINE 798+60		

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: INSPECT INSTALLATION OF HDPE & TIE-IN @ STA. # 801+11 @ C FOR A TOTAL FOOTAGE OF 1266'

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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo Tu We Th (Fr) Sa Su Date: 10-13-00 Contract No: 9991541.14

Hours Worked: 10 Weather: SUNNY Temp: 80 Contractor: H&M

Contractor Equipment on Site (Quality & Type): 2 TRENCHERS - 4 BACKHOES - 10 MEN

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 - TRENCH	X		1.11	69	804+96	814+92	996'
2	INSTALL 5" STEEL CONDUIT	X		1.41	69-70	814+58	814+68	10'
3	INSTALL HDPE - TRENCH	X		1.11	70	814+92	820+36	544'
					SALE-70	MATCH LINE 810+10		

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 MCCOY

Spread/Site Number: 3-4875 Day: (Mo) Tu We Th Fr Sa Su Date: 11-6-00 Contract No: 99P15HL14

Hours Worked: 10 Weather: FAIR Temp: 67 Contractor: HM

Contractor Equipment on Site (Quality & Type): 2 BALLHOES - 1 BORE MACHINE - 1 MUD 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 HDE- TRENCH	X		1.11	71-72	820+36	822+46	210'
2	INSTALL 5" STEEL CONDUIT	X		1.41	72	820+41	820+51	10'
					SHT-71	MATCHLINE 822+24		

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: #3-4875 Day: (Mo) Tu We Th Fr Sa Su Date: 11-6-00 Contract No: 9991541-14

Hours Worked: 10 Weather: Windy & Fair Temp: 67° Contractor: Hinkles & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoe's One 2720 Bore Machine, One Mud Mixing Machine. 5 Man work Crew & 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#	Direct Bore			1.11	070	822+46	823+12	66'
2#	Direct Bore			1.41	070	822+72	822+77	5'
3#	Direct Bore			3.22	070	822+77	823+03	26'
4#	DIRECT BORE			1.41	070	823+03	823+08	5'

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, Place 5" Steel Pipe and Pull in Duct. All work was performed safely.

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Williams COMMUNICATIONS

Name: Jeff D McKoy

Spread/Site Number: #3-4873 Day: (Mo) Tu We Th Fr Sa Su Date: 11-6-00 Contract No: 991341-14

Hours Worked: 10 Weather: Windy & Fair Temp: 67° Contractor: Hinckley McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoe's, One 2720 Bore Machine, One Mud Mixing Machine. 5 Man Work Crew & 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.
1st	Trench & Place			1.11	070	823+12	824+42	130'

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 Contractors Trenching and Placing Conduits.

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Williams COMMUNICATIONS

Name: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo Tu We Th (Fr) Sa Su Date: 10-13-00 Contract No: 99P1541.14

Hours Worked: 10 Weather: SUNNY Temp: 80° Contractor: H&M

Contractor Equipment on Site (Quality & Type): 2 TRENCHERS · 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 HDPE	X		1.11	71	825+39	828+52	313'
2	INSTALL HDPE - TRENCH	X		1.11	71	828+52	830+94	242'
								5

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: KENNY STRICKLAND

Spread/Site Number: 3-4875 Day: Mo Tu We Th (Fr) Sa Su Date: 10-13-00 Contract No: 9991541.14

Hours Worked: 10 Weather: SUNNY Temp: 85 Contractor: H & M

Contractor Equipment on Site (Quality & Type): 3 BACKHOES - 1 TRENCHER - 6 PICKUPS.

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	X		1.11	71	830+94	831+18	24'
2	INSTALL 5" STEEL CONDUIT	X		1.41	71	831+18	831+33	15'
3	INSTALL 5" STEEL XING TRACK	X		3.22	71	831+33	831+53	20'
4	INSTALL 5" STEEL CONDUIT	X		1.41	71	831+53	831+64	11'
4.5	INSTALL HDPE - TRENCH	X		1.11	71	831+64	834+74	310'
5	INSTALL HAND HOLE	X		3.41	71	830+93	830+93	1
6	INSTALL HAND HOLE	X		3.41	71	831+56	831+56	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: KENNY STRICKLAND

Spread/Site Number: 3-4875

Day: Mo Tu We Th (Fr) Sa Su

Date: 10-13-00

Contract No: 99P1541.14

Hours Worked: 10

Weather: SUNNY

Temp: 85

Contractor: H & M

Contractor Equipment on Site (Quality & Type): 3 BACKHOES - 1 TRENCHER - 6 PICKUPS -.

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	X		1.11	72	834+74	842+65	791'
2	INSTALL HDPE	X		1.11	72	842+65	842+81	16

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

Inspector Daily Report

Page 1 of 1

Name: Jeff D McKoy

Spread/Site Number: #3-4873

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

Contract No: 99PBS411-14

Hours Worked: 10

Weather: Sunny Temp: 60°

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Ditch Witch Bore Machine, One Water & Mud Mixing Unit, Two Vac & Pot Hole units, One Utility Truck with Tools & Equipment. 6 Man Crew & 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.
1st	Direct Bore (Slick)			3.21	072-075	842+81	849+26	645'
2nd	Direct Bore			1.11	072-075	842+81	849+26	645'
					SALR-73	MATCHLINE 846+53		

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 HDPE. Camradal site not previously delineated Whinery to close to R/R tracks

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.

Form 3 ADM 1005 REV 10/98

Williams COMMUNICATIONS

Inspector Daily Report

Page 1 of 1

Name: Draden Padgett

Spread/Site Number: 4877 South Spread 3

Day: Mo Tu We Th Fr Sa Su

Date: 10-16-00

Contract No: 99P-1541-14

Hours Worked: 7-5

Weather: Sunny

Temp: 83°

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): 1-416 cat. Backhoe 1-3 Reel trailor 1-1ton 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.
	Installed HdPe			1.11	073	849+26	851+69	243'

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: trenched in 3 HDPE - 1 1/2 Orange 1-1 1/2 Blue 1-1 1/4 Black

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 betw[illegible] the parties.

[illegible] ADM 1005 REV 10-98

Inspector Daily Report

Page 1 of 1

Name: Jeff D McKay

Spread/Site Number: 3-4875

Hours Worked: 10

Day: Mo Tu We Th (Fr) Sa Su Date: 01-05-001

Weather: Sunny & Clear Temp: 63°

Contract No: 95P1541-14

Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): One Back Hoe, One Jack Bore Machine, One Utility Truck with welder and Tools. 4 Man Crew & 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.
1st	Installed 3 HDPE			1.11	073	854+34	854+69	35' ✓
2nd	Installed 3 HDPE			1.41	073	854+[illegible]40	854+45	5' ✓
3rd	Installed 3 HDPE			3.22	073	854+45	854+60	15' ✓
4th	Installed 3 HDPE			1.41	073	854+60	854+65	5' ✓

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 Contractors Track Boring & Placing 5" Steel Case. Also Pulling 3 HDPE.

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.

Form 24 ADM 1004 REV 10/98

Inspector Daily Report

Page 1 of 1

Name: JOE MILLAN

Spread/Site Number: #4 SOUTH SPREAD 3

Day: (Mo) Tu We Th Fr Sa Su Date: 10/16/00 Contract No: _____

Hours Worked: 10 Weather: SUNNY Temp: 75°+ Contractor: Heukels & McCoy

Contractor Equipment on Site (Quality & Type): (1) 4150 VERMEER TRENCHER (1) 8550 VERMEER TRENCHER (1) CASE 590 Super L Series II BACK HOE (1) F450 FORD TRUCK & REEL TRAILER (3) F250 FORD TRUCKS - (6) MAN CREW ALL SAFETY BARRIERS

NO:	ITEM DESCRIPTION	PAY. CAT. U.P.	PAY. CAT. T&M	CONTRACT ITEM NO.	ALIGN. SHT. NO.	STATION NO.	STATION NO. TO	UNIT QTY.
2.	TNP 2x1.5 & 1x1.25 HDPE	✓		1.11	#073 & #074	856+87 Couplers	863+53	666' ✓
					(3-2-01)	EQ 854+61 BK	855+19 AH ✓	
						855+19	856+87 Couplers	168 ✓
					SALR-74	MATCHLINE 858+32		

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: INSPECT INSTALLATION OF HDPE FROM STA.# 854+61 TO 856+87 (NOTE: 856+87 Couplers @ TIE-IN. AND FROM STA.# 856+87 TO STA.# 863+53 FOR TOTAL OF 892' OF HDPE

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.

Inspector Daily Report

Page 1 of 1

Name: Jeff D McKoy

Spread/Site Number: 3-4875

Day: Mo (Tu) We Th Fr Sa Su Date: 12-19-00

Contract No: 99PB54-14

Hours Worked: 10

Weather: Sunny & Clear Temp: 61°

Contractor: Heuckels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Bore Machine with Water & Mud Unit One Utility Vehicle with Equipment and Tool, One VAC-Pot Hole Unit. One Pick up with Road Signs & Cones. 7 Crewman 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.
				1.11	074	863+53	865+45	192' V
				1.41	074	863+53	864+66	113'
				3.22	074	864+66	865+16	50'
				1.41	074	865+18	865+45	29'

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
1	ATT Phone Line	4"	864+70	60"	Williams Requirement
2	PG&E 12" Gas Main	12"	864+84	55"	Williams Requirement
3	Water Main	12"	864+88	80"	Williams Requirement
4	Elect Casings 7#	6"4"3" 2"2"3" 4"	865+29	49"	Williams Requirement

REMARKS: The Williams Inspector Observed, Heuckels & McCoy Contractor Boring, Pulling 5" Steel Casing and HDPE.

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Form 24-ADM-1005 REV 10/98

Inspector Daily Report

Page 1 of 1

Williams COMMUNICATIONS

Name: Kenneth Strickland
Spread/Site Number: 4877
Day: (Mo) Tu We Th Fr Sa Su Date: 10-16-00 Contract No: 99A1541-14
Hours Worked: 11 Weather: Sunny Temp: 85° Contractor: Winkel
Contractor Equipment on Site (Quality & Type): (2) Back hoes (4) man crew (3) pick-ups

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 3 H.D.P.E.	✓		1.11	72	865+45	876+36	1091' ✓
					SALR-75	MATCHLINE 870+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:

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Yellow Contractor Pink Inspector

Form 24 ADM 1005 REV 10/98

Inspector Daily Report

Page 1 of 1

Name: JOE MILLAN

Spread/Site Number: ~~#4~~ SOUTH SPREAD 3

Hours Worked: 10

Day: Mo (Tu) We Th Fr Sa Su Date: 10/17/00

Weather: SUNNY Temp: 78°

Contract No: 99P1541-14

Contractor: HENKELS & McCOY

Contractor Equipment on Site (Quality & Type): (1) CAT 416C BACKHOE (2) CASE 590 SUPER L BACKHOE'S (1) CASE 580L BACKHOE (1) 8550 - VERMEER TRENCHER (1) 4150 VERMEER TRENCHER (1) F450 (1) F250 (1) F350 FORD TRKS. (1) REEL TRAILOR ALL SAFETY/BARRIERS

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	TNP 2X1.5 & 1X1.25 HDPE	✓		1.11	#'s 075-076-077	876+36	895+88	1952'
					SACR-76	MATCHLINE 883+05		
					SACR-77	MATCHLINE 895+15		

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: INSPECT INSTALLATION OF 2X1.5 & 1X1.25 HDPE FROM STA.# 876+36 TO STA.# 895+88 FOR A TOTAL OF 1952 FOOT

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.

Form 29 ADM 1005 REV 10-98

Inspector Daily Report

Page 1 of 1

Name: JEFF MOODY

Spread/Site Number: 3-4875 Day: Mo (Tu) We Th Fr Sa Su Date: 1-9-01 Contract No: 99P1541.14

Hours Worked: 10 Weather: RAIN Temp: 52 Contractor: H & M

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 HDPE - TIE-IN	X		1.11	77	895+88	896+03	15'

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 1 of 1

Name: Jeff D McKoy

Spread/Site Number: 3-4875

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

Contract No: 99PBYF14

Hours Worked: 10

Weather: Cloudy & Rain Temp: 52°

Contractor: Hawkins & McKoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Bore Machine with Water & Mud Mixing unit. One Jack Hammer & Compressor. One Vac-Pot Hole unit, One Utility Truck with welding Machine and Equipment, One utility vehicle with hand Tools. 7 Crew members & 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.
1st	Direct Bore			1.11	077	896+03	897+45	142'
2nd	Direct Bore			1.41	077	896+39	896+49	10'
3rd	Direct Bore			3.22	077	896+49	897+01	52'
				1.41		897+01	897+11	10'
1st	Trench & Place			1.11	077	897+45	897+98	53'

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
1st	Pac Bell Line	18"	896+53 Sta	66"	Williams Requirement
2nd	City Sewer Line	24"	896+74 Sta	144"	Williams Requirement
3rd	City Water Line	12"	896+89 Sta	66"	Williams Requirement
4th	PG&E gas Line	12"	896+99 Sta	66"	Williams Requirement

REMARKS: The Williams Inspector observed the Contractor Boring, Pulling 5" Steel Casing and pulling Williams HDPE.

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Yellow - Contractor Pink - Inspector

Form 24-ADM-1005 REV. 10/98

Inspector Daily Report

Page 1 of 1

Name: Kenny Strickland

Spread/Site Number: 4827 Day: Mo Tu (We) Th Fr Sa Su Date: 10-18-00 Contract No: 99P1544-04

Hours Worked: 11 Weather: Sunny Temp: 61° Contractor: Minkota

Contractor Equipment on Site (Quality & Type): (4) Backhoes (2) trenchers 14 MEN crew (1) water truck (8) pick-ups

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 (3) H.D.P.E.	✓		1.11	77, 78	897+98	911+52	1354'
2	Install (3) H.D.P.E.	✓		1.11	78, 79	916+86	921+06	420' ✓
3	Install (3) H.D.P.E.	✓		1.11	79, 80	923+89	935+01	1112' ✓
4	Install 5" steel case	✓		1.41	80	933+19	933+29	10' -
5	Install 5" steel case	✓		1.41	80	934+63	934+73	10' -
					SHEET-78	MATCHLINE 907+35		
					SHEET-79	MATCHLINE 919+75		
					SHEET-80	MATCHLINE 932+39		

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
4	water line	8"	933+29	4"	foreign
5	water line	8"	934+68	22"	foreign

REMARKS:

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OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

~~367+34 8CONN STEEL PIPE [4107+34.5 NCRRA]~~
~~367+44 CULVERT [4113+25.6 NCRRA]~~
~~367+54 END STEEL PIPE [4113+41.0 NCRRA]~~

36&377 MARKER POST 28DIS

~~371+24 8CONN STEEL PIPE [4109+18.3 NCRRA]~~
371+34 CULVERT [4109+39.7 NCRRA]
~~371+44 END STEEL PIPE [4109+29.8 NCRRA]~~

~~376+57 8CONN STEEL PIPE [4105+27.9 NCRRA]~~
~~376+67 CL GRAVEL DRIVEWAY [4105+18.0 NCRRA]~~
~~376+79 END STEEL PIPE [4105+06.2 NCRRA]~~

~~379+46 8CONN STEEL PIPE [4103+36.8 NCRRA]~~

~~379+88 END STEEL PIPE [4102+97.4 NCRRA]~~

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 2, T10N AND R10W
MDB&M

SACRAMENTO

D/R-GEYSERVILLE-14
C-GEYSERVILLE-1
CA-SON-1274

PROPOSED WILLIAMS FIBER ROUTE

PAC BELL

25'DIS 48"

370+42 8CS STEEL / 370+52 BJD STEEL

25'DIS 50"

CULVERT

NORTH COAST RAILROAD ASSOCIATION
MAINLINE

CL GRAVEL DRIVEWAY

EG

EG

BRIDGE

20'DIS 48"

25'DIS 50"

MATCH LINE
SHT. 032
367+18

MATCH LINE
SHT. 034
379+18

40'-0" 30'-0" 30'-0" 40'-0"

R/W G T

388+00 389+00 370+00 371+00 372+00 373+00 374+00 375+00 376+00 377+00 378+00 379+00

40'-0" CULVERT

48"

TRENCH
42" MINIMUM DEPTH

20'DIS

PLOW

25'DIS

50" 8.18" CULVERT

TRENCH / BORE PLOW

48"

TRENCH
42" MINIMUM DEPTH

20'DIS

EXIST PLOW

BORE STEEL (5")

EXIST STEEL (5")

EXIST TRENCH & BORE BORE

22'DIS 158"

TRENCH
42" MINIMUM DEPTH

22'DIS

187"

BORE RIP RAP/RR

EXIST RIP RAP/RR

22'DIS 180'

DIRECTIONAL DRILL
60" MINIMUM DEPTH

22'DIS

148"

22'DIS

120"

40'-0"

367+18

379+18

367+18	370+28	370+62	374+48	375+18
370+28	370+62	374+48	375+18	379+18
310'	34'	386'	70'	460'
PLOW	TRENCH	PLOW	TRENCH	BORE
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
K. STRICKLAND	K STRICKLAND	K STRICKLAND	K STRICKLAND	JEFF McKOY
9_19_00	9_19_00	9_19_00	9_19_00	11_13_00
HDM_	HDM_	HDM_	HDM_	HDM_

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)

20' - STEEL PIPE | 20' - STEEL PIPE | 20' - STEEL PIPE | 40' - STEEL PIPE

IN BLACK 1.25 HDPE

6.12 PD @4 JR UNITS SW 01

REV-1

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./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
1-888-265-2283

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

UNION PACIFIC RAILROAD
CALL BEFORE YOU DIG NUMBER:

1-800-336-9193

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : SAH	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-033-SPRD 4

(2)

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
plow / Trench	3W

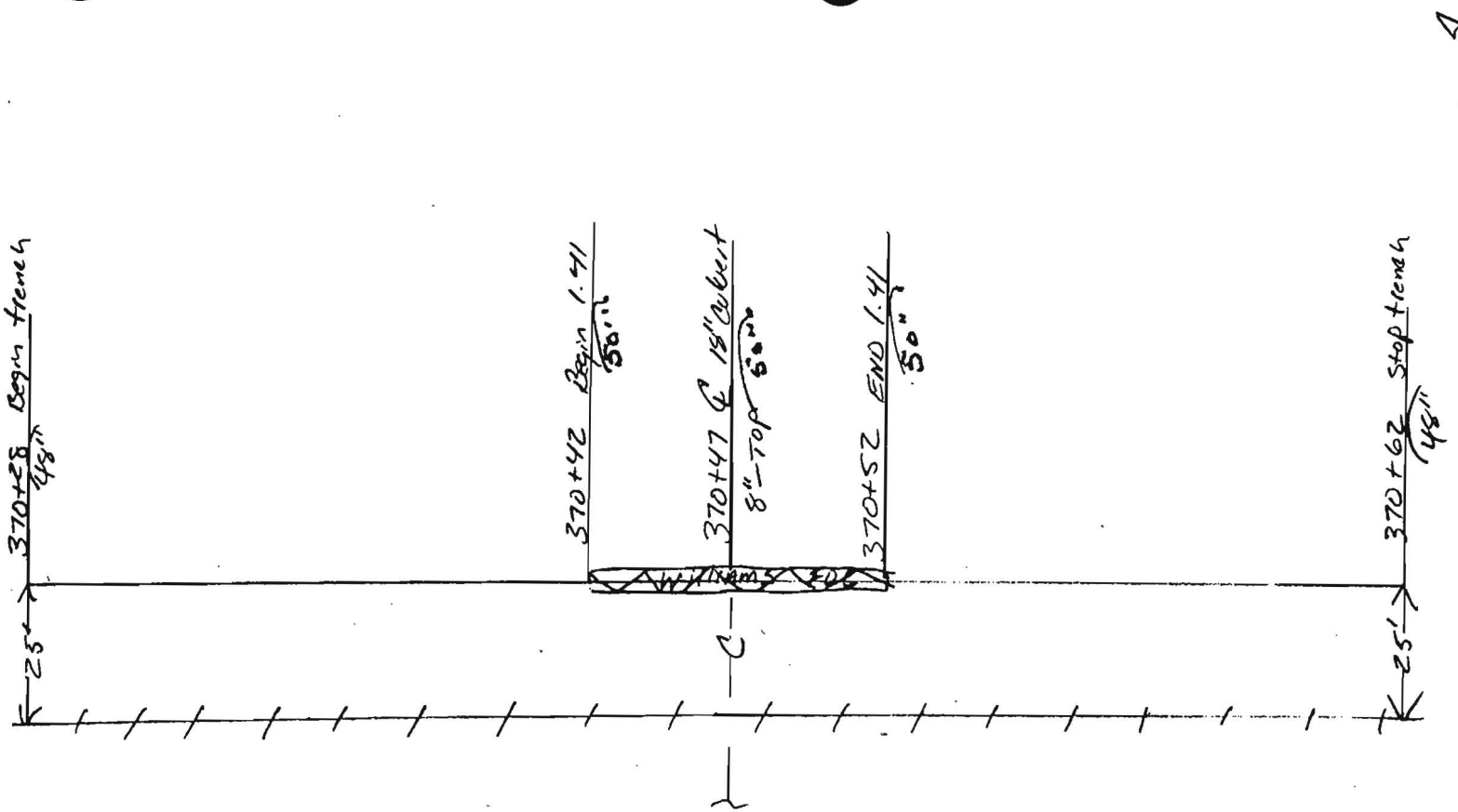
CONTRACTOR: H & M INSPECTOR: Kenny Strickland DATE: 9-19-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
374+48	20 'O/S	~~45"~~ 50"	Start trench
374+55	20 'O/S	~~45~~ 50"	6" WATER 20"-TOP
375+18	25 'O/S	~~45"~~ 50"	End trench

CONSTRUCTION AS-BUILT DOCUMENTATION

DIV	PROJECT #	ALIGN. SHEET #	
19.00	4877	33	99P1

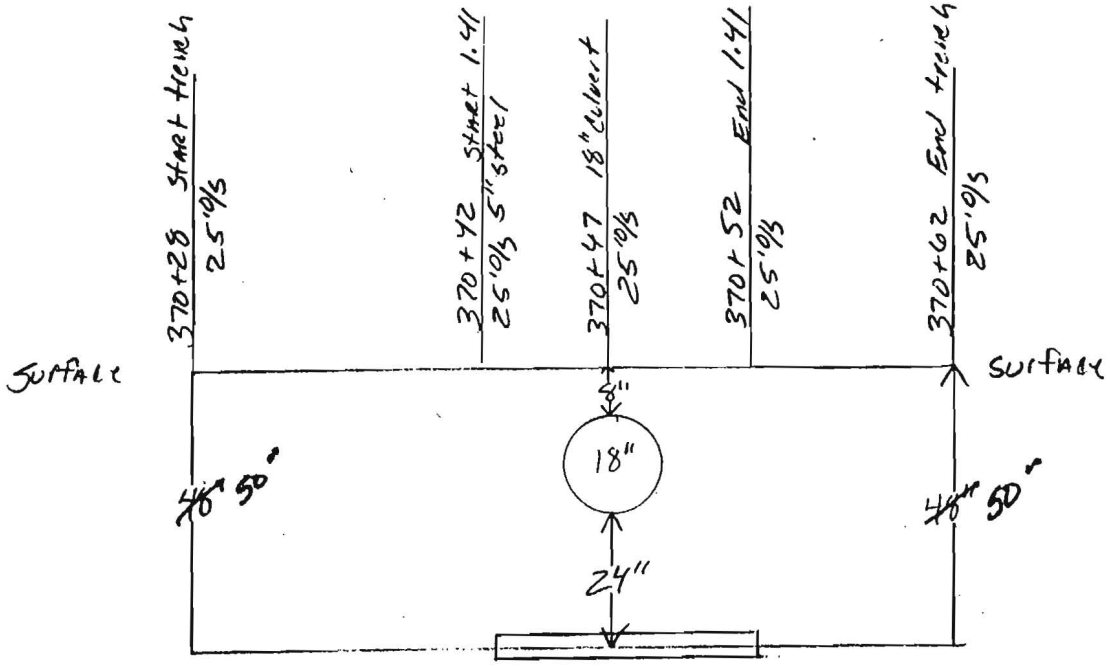


NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
2 - 1½ 1 - 1¼	Kenny St. Aland

CONSTRUCTION AS-BUILT DOCUMENTATION

DIV	PROJECT #	SHEET #	
19-20	4827	33	99

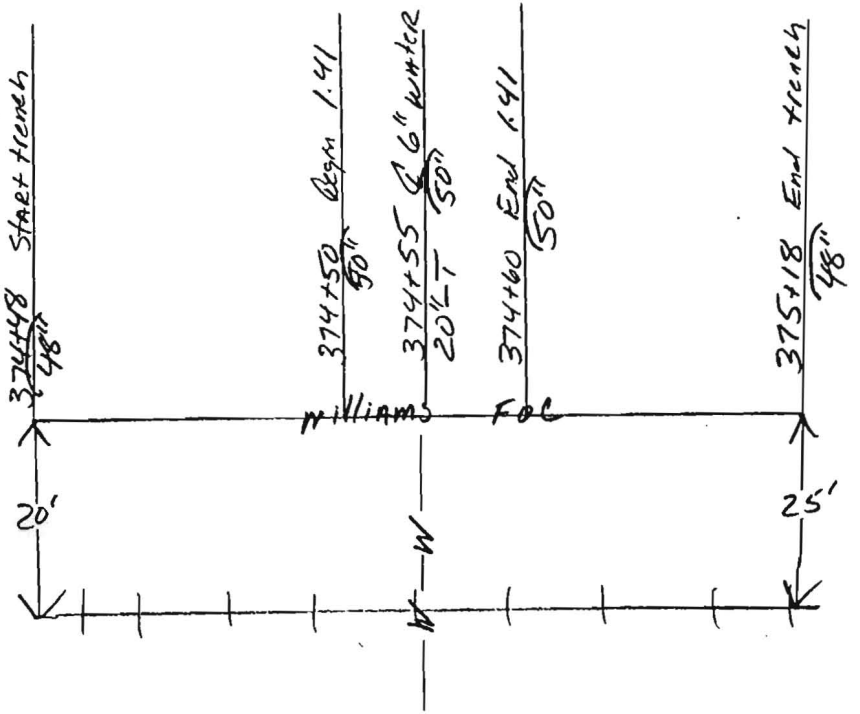


NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
2-1½ 1-1¼	Kenny Sr. Ekland

CONSTRUCTION AS-BUILT DOCUMENTATION

DA	PROJECT #	ALIMO. SHEET #	
7-00	4677	33	990

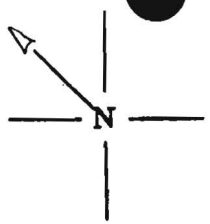


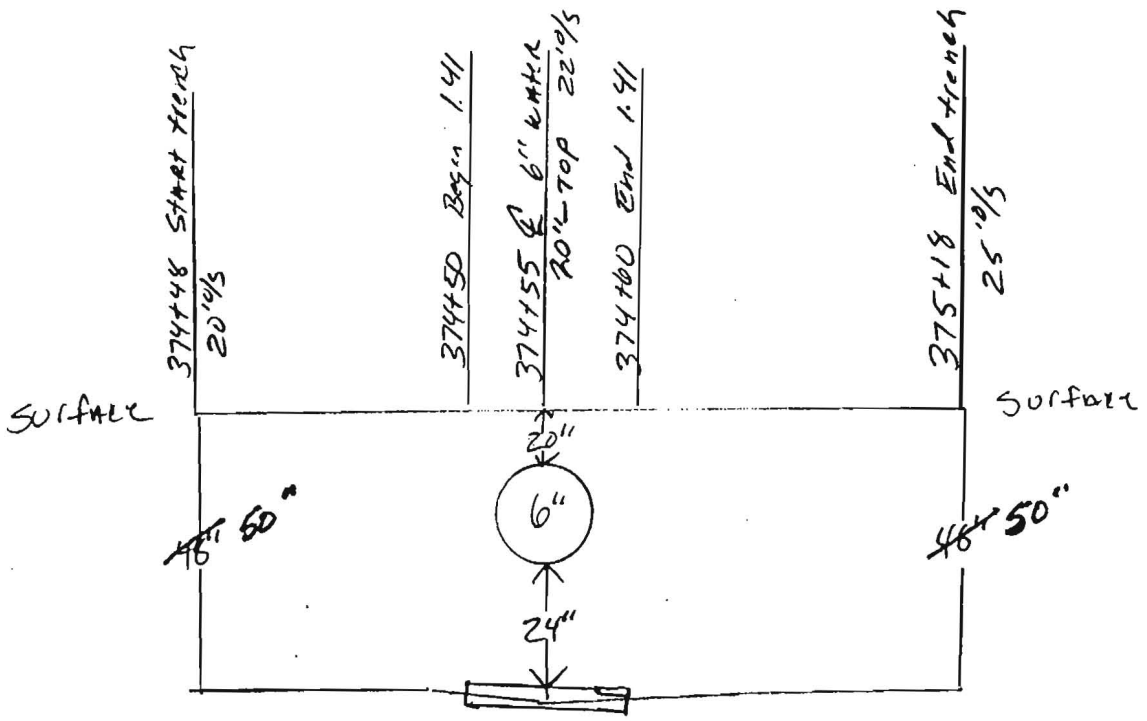
NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
2-1½ 1-1¼	Kennys... CK/Mid

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #		
9-00	4877	33	99A 14





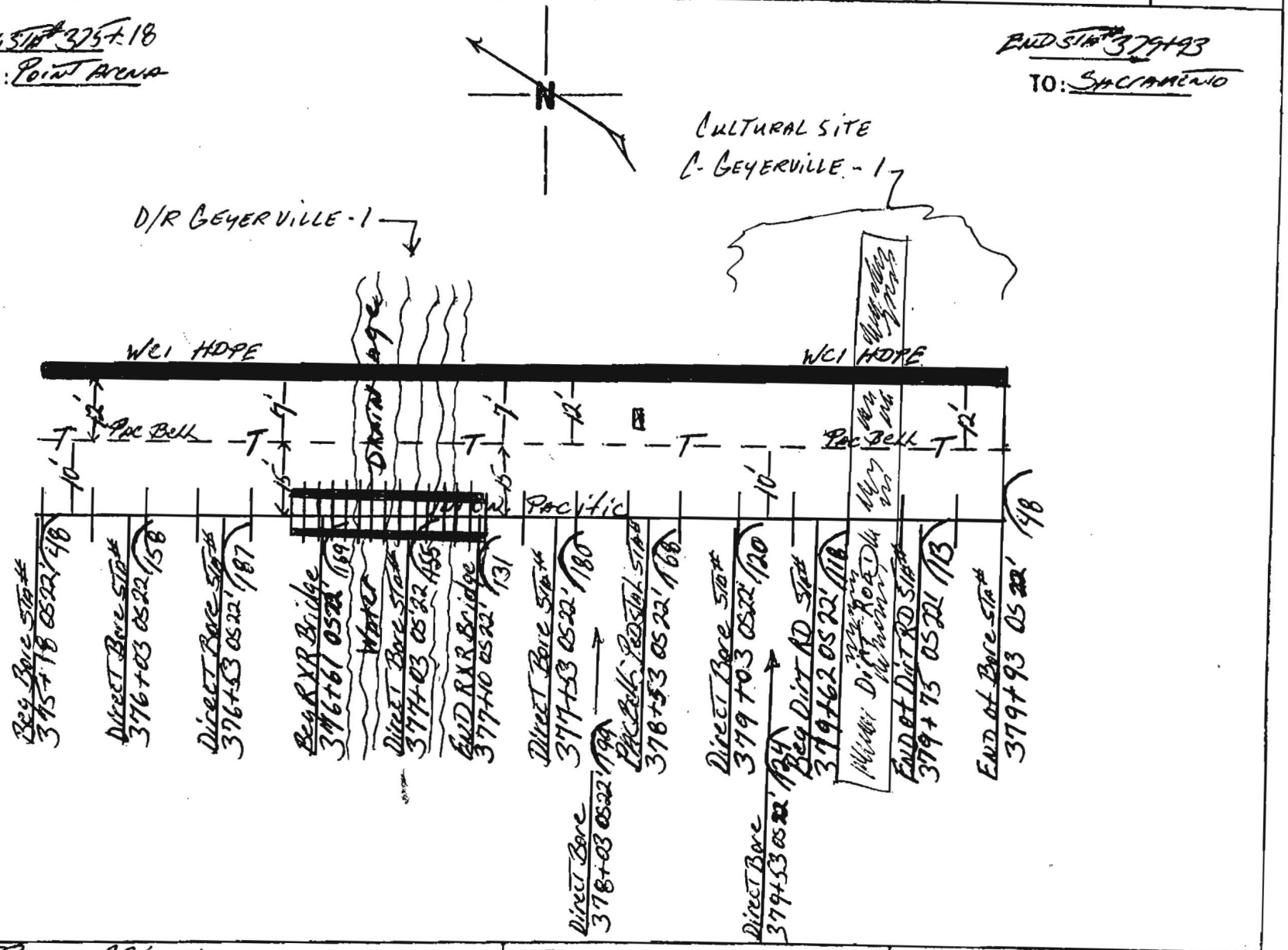
NOTES:

COUNTY: Sonoma	CONTRACTOR: Hinkels
DUCT CONFIGURATION: 2-1½ 1-1¼	INSPECTOR: Kenny Kelland

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 11-13-00	PROJECT # 4875	DWG / ALIGNMENT SHEET 033	SPREAD # #3

Beg Sta# 375+18
FROM: Point Arena

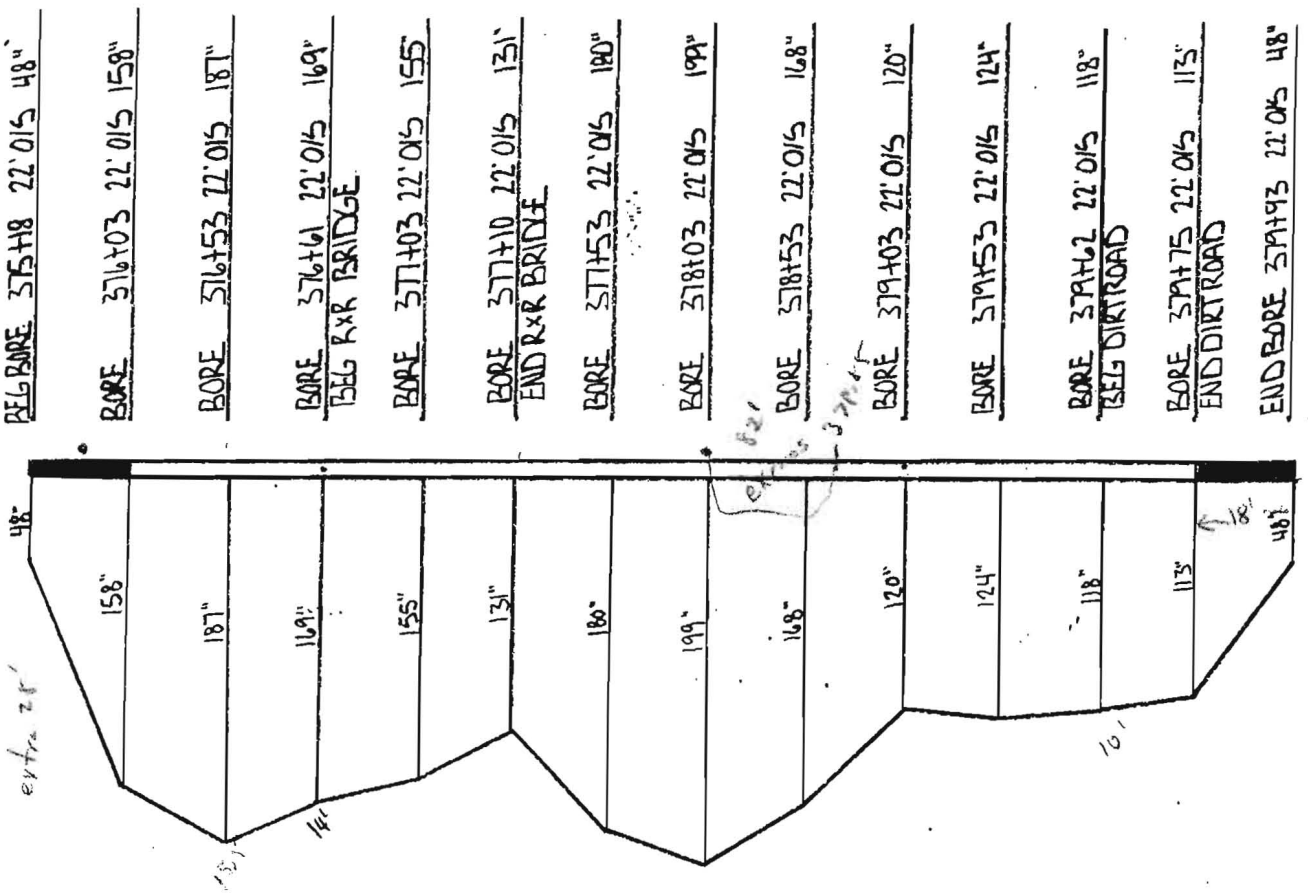
End Sta# 379+93
TO: Sacramento



NOTES: Direct Bore As-built	COUNTY: Sonoma	CONTRACTOR: Henkels & McCoy
DRAINAGE - D/R GEYERVILLE-1	DUCT CONFIGURATION: 2-1½-1-1¼	INSPECTOR: Jeff D McKoy
CULTURAL SITE - C-GEYERVILLE-1		

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	HEAD #:
11.13.00	4875	033	3



NOTES:	COUNTY:	CONTRACTOR:
2-1.5" HDPE ORANGE BLUE 1-1.25" HDPE BLACK	SONOMA	HEINKELS - MC COY
	DUCT CONFIGURATION:	INSPECTOR: JEFF MCKOY

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

379+46 BEGIN STEEL PIPE [4101+37.8 NCRRA]
379+58 CL OF DRIVEWAY [4101+28.0 NCRRA]
379+68 END STEEL PIPE [4101+18.1 NCRRA]

384+53 R/L CHANGE [4096+40.3 NCRRA]
384+60 R/L CHANGE [4096+33.4 NCRRA]
384+64 NCRRA R/W CHANGE [4096+29.5 NCRRA]

385+13 POWER POLE 2' LT [4095+81.2, 27' RT NCRRA]

38+77 MARKER POLE 78'0/S

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 2, T10N AND R10W
MDB&M

SACRAMENTO

C-GEYSERVILEE-1
CA-SON-1274

PROPOSED WILLIAMS FIBER ROUTE

CL GRAVEL DRIVEWAY

PAC BELL

NORTH COAST RAILROAD ASSOCIATION
MAINLINE

22'0/S 48"

24'0/S 50"

25'0/S 48"

MATCH LINE
SHT. 033 379+18

MATCH LINE
SHT. 035 391+20

379+18 | 379+93 | 381+56 | 385+84 | 391+20

379+18 to 379+93: 75' — BORE — 2-1.5" HDPE, 1-1.25" HDPE, JEFF McKOY, 11-13-00, HEM

379+93 to 381+56: 163' — TRENCH — 2-1.5" HDPE, 1-1.25" HDPE, JEFF McKOY, 1-9-01, HEM

381+56 to 385+84: 428' — TRENCH — 2-1.5" HDPE, 1-1.25" HDPE, JEFF McKOY, 11-9-00, HEM

385+84 to 391+20: 536' — 1.11 — 2-1.5" HDPE, 1-1.25" HDPE, K. STRICKLAND, 8-21-00, HEM

6.12 PD BY JR SHTS 5-16-01
1.6 TRAILER WIDE

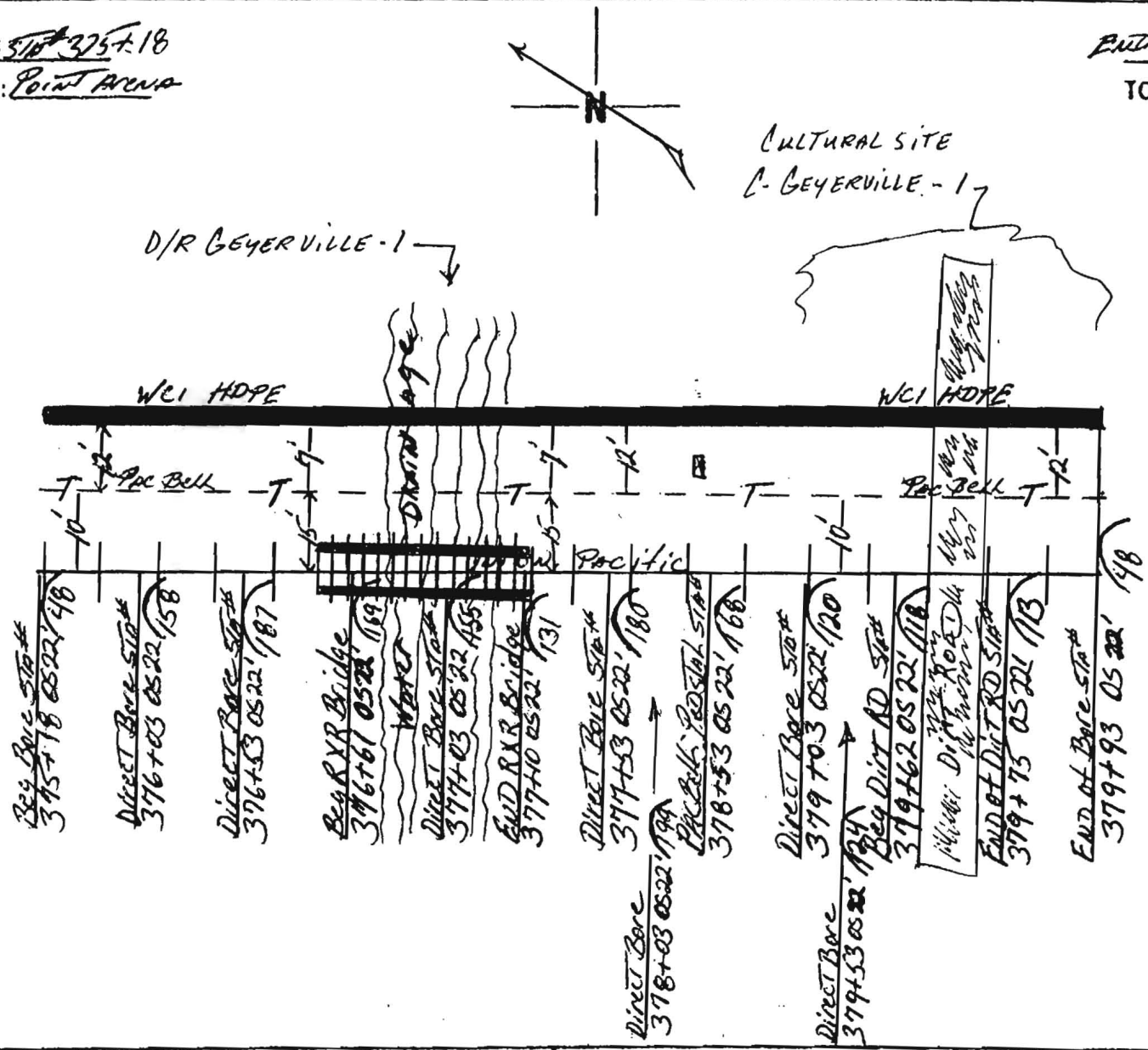
REV-1

| | | |

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 11-13-00	PROJECT # 4875	DWG / ALIGNMENT SHEET 033	SPREAD # #3

Beg Sta# 325+18
FROM: Point Arena

End Sta# 379+93
TO: Sacramento



NOTES: Direct Bore ASBUILT DRAINAGE - D/R GEYERVILLE-1 CULTURAL SITE - C-GEYERVILLE-1	COUNTY: SONOMA	CONTRACTOR: HENKELS & McCOY
	DUCT CONFIGURATION: 2-1½-1-1¼	INSPECTOR: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #:	DWG/ALIGNMENT SHEET #:	PAD #:
11.13.00	4875	033	3

BEG BORE 375+18 22'0/5 48"

BORE 376+03 22'0/5 158"

BORE 376+53 22'0/5 187"

BORE 376+61 22'0/5 169'
TSEG R×R BRIDGE

BORE 377+03 22'0/5 155"

BORE 377+10 22'0/5 131'
END R×R BRIDGE

BORE 377+53 22'0/5 180"

BORE 378+03 22'0/5 199"

BORE 378+53 22'0/5 168"

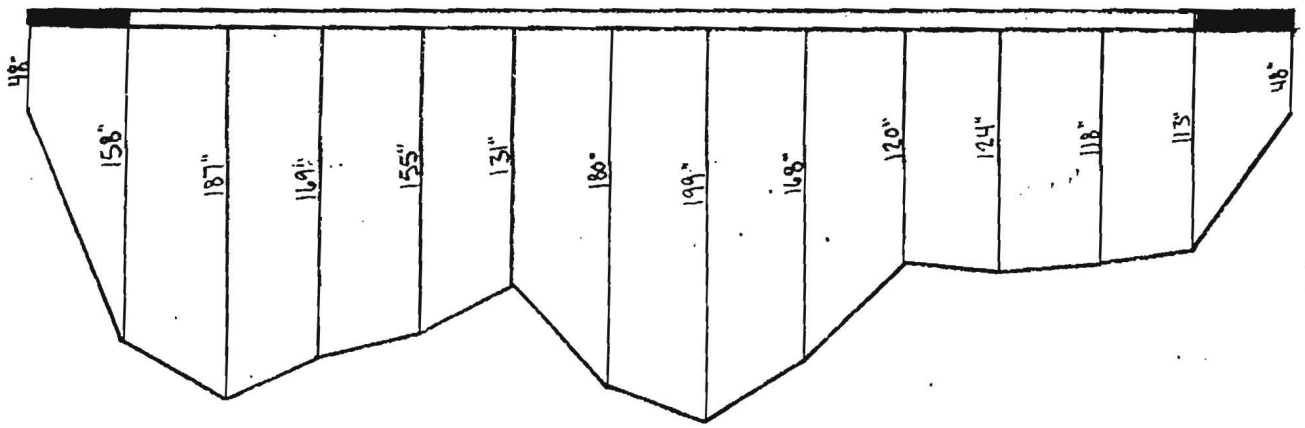
BORE 379+03 22'0/5 120"

BORE 379+53 22'0/6 124"

BORE 379+62 22'0/5 118"
TSEG DIRT ROAD

BORE 379+75 22'0/5 113"
END DIRT ROAD

END BORE 379+93 22'0/5 48"



NOTES: 2-1.5" HDPE ORANGE BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

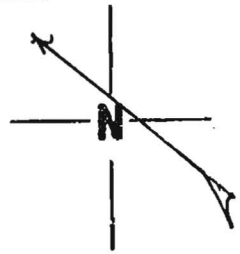
CONTRACTOR: HEINKELS - MC COY

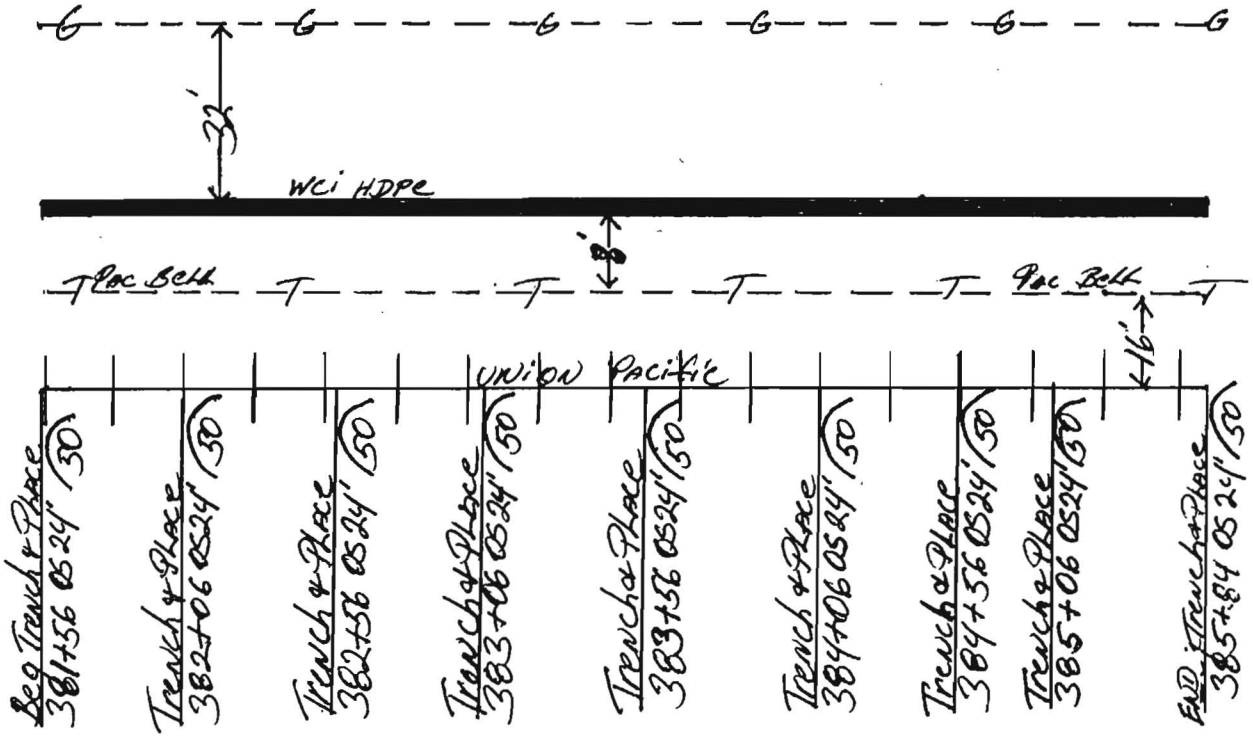
INSPECTOR: JEFF MCKOY

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 11-9-00	PROJECT # 4875	DWG / ALIGNMENT SHEET 034	SPREAD # 3rd

Beg Trench 38+56
FROM: Point Arena

End Trench 385+84
TO: Sacramento





NOTES: Trench & Place AS built	COUNTY: SONOMA	CONTRACTOR: Henkels & McCoy
	DUCT CONFIGURATION: 3-2-1½+1-1¼	INSPECTOR: Jeff D McKoy

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
TRENCH & PLOW in 3 H.D.P.E.	3N

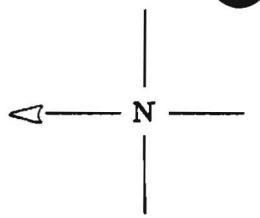
CONTRACTOR: Henkels & McCoy INSPECTOR: Kenny Stockland DATE: 8-21-00

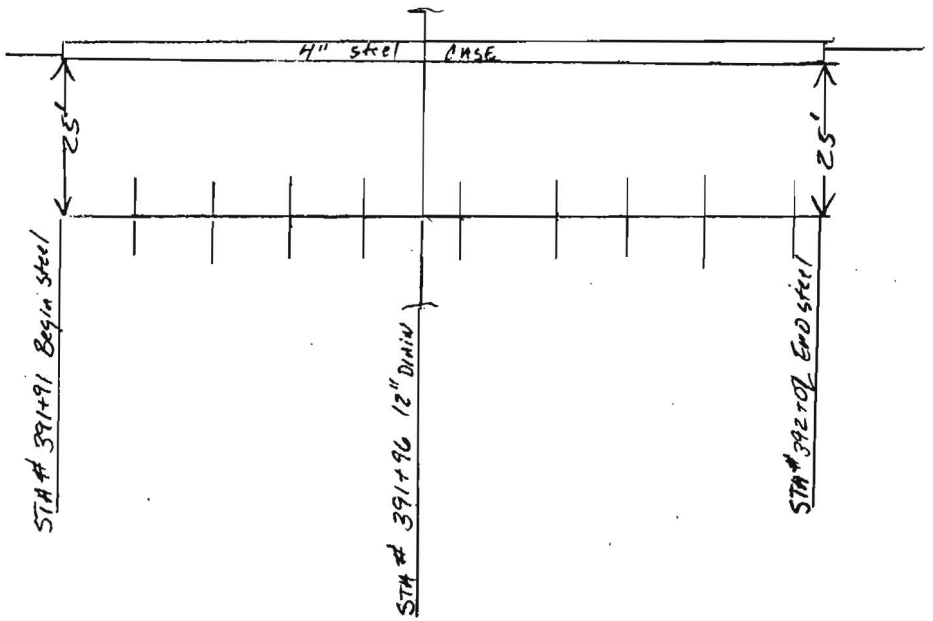
DWG.:# 34 LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
385+84	25'0/s	48"	Begin Plow
386+00	25'0/s	48"	
388+00	25'0/s	48"	
390+00	25'0/s	48"	
391+80	25'0/s	48"	10' 4" steel adder 3" water line
391+96	25'0/s	48"	10' 4" steel adder 12" DRAIN
392+00	25'0/s	48"	
394+00	21'0/s	48"	
396+00	25'0/s	48"	
398+00	25'0/s	48"	
400+00	25'0/s	48"	
402+00	25'0/s	48"	
404+00	25'0/s	48"	
404+75	25'0/s	42"	END Plow
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	[redacted]

CONSTRUCTION AS-BUILT DOCUMENTATION

D#	PROJECT #	ALIGN. SHEET #	SPREAD #
	4877	34	3





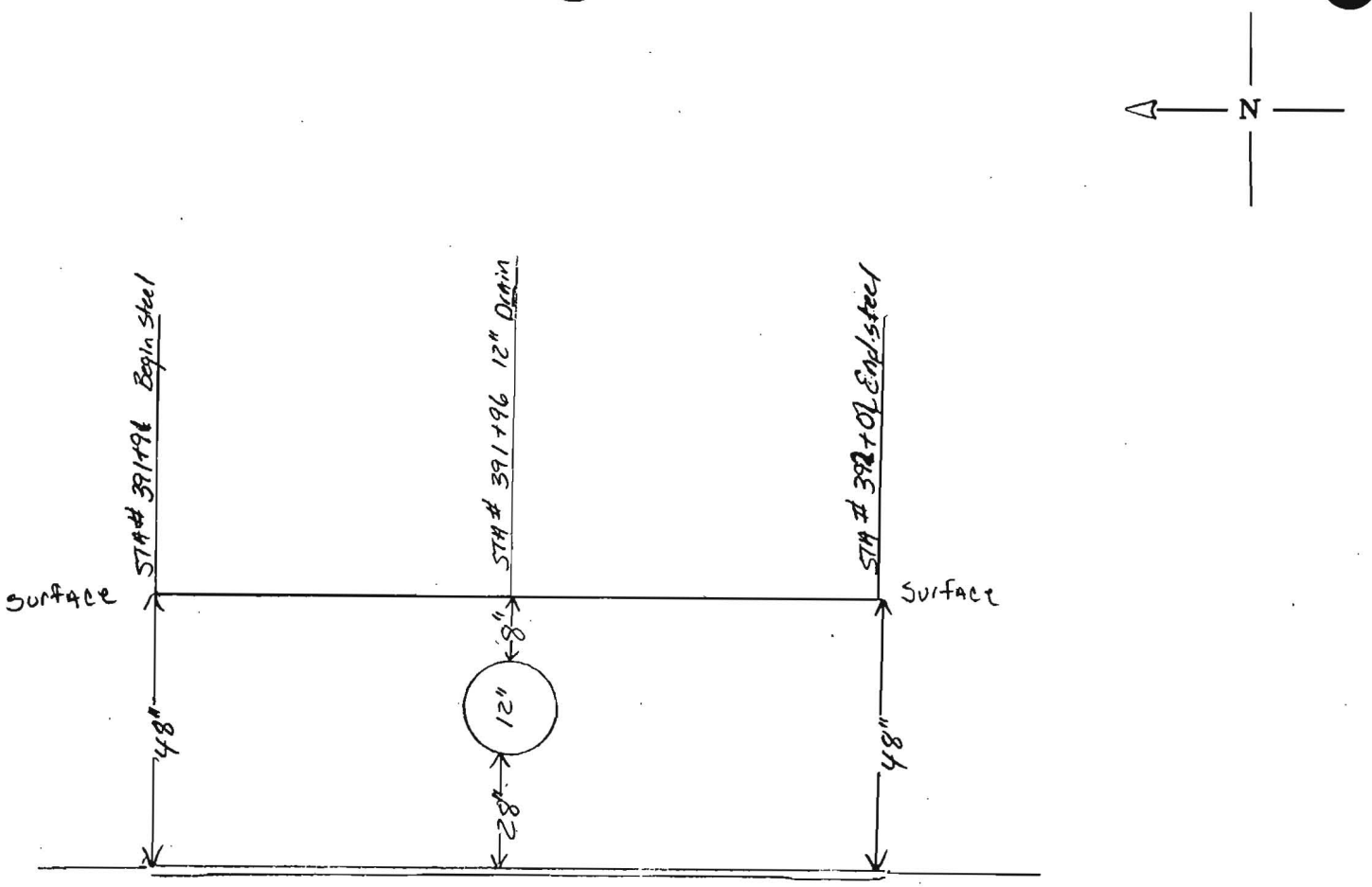
10'

NOTES: Install 4" steel CASE under 12" DRAIN Pipe

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DA	PROJECT #	ALIGN. SHEET #	SPREAD #
"	4877	34	3 N



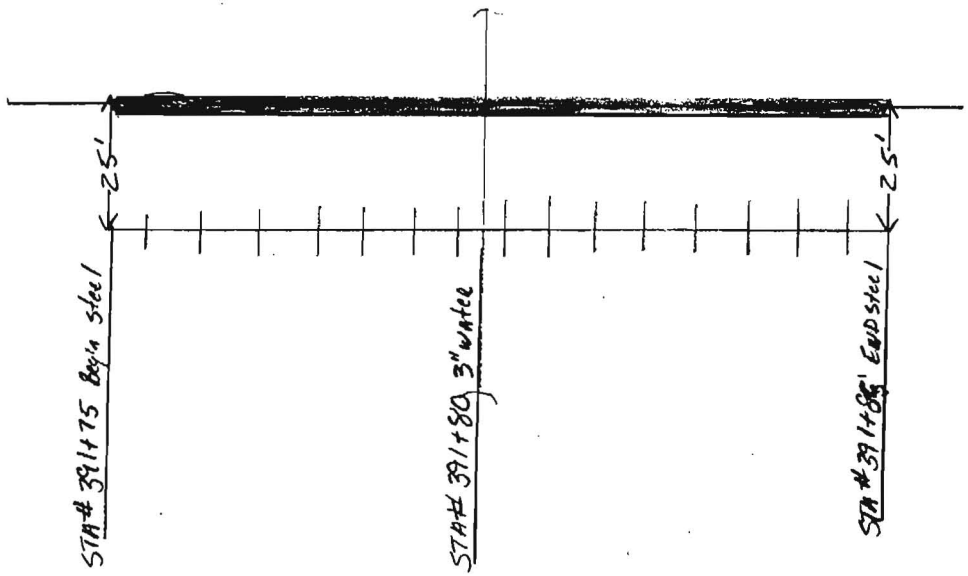
NOTES: Instal 10'9" steel Adder under 12" Drain pipe

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny/Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

D	PROJECT #	ALIGN. SHEET #	SPREAD #
4.	4877	34	31

N

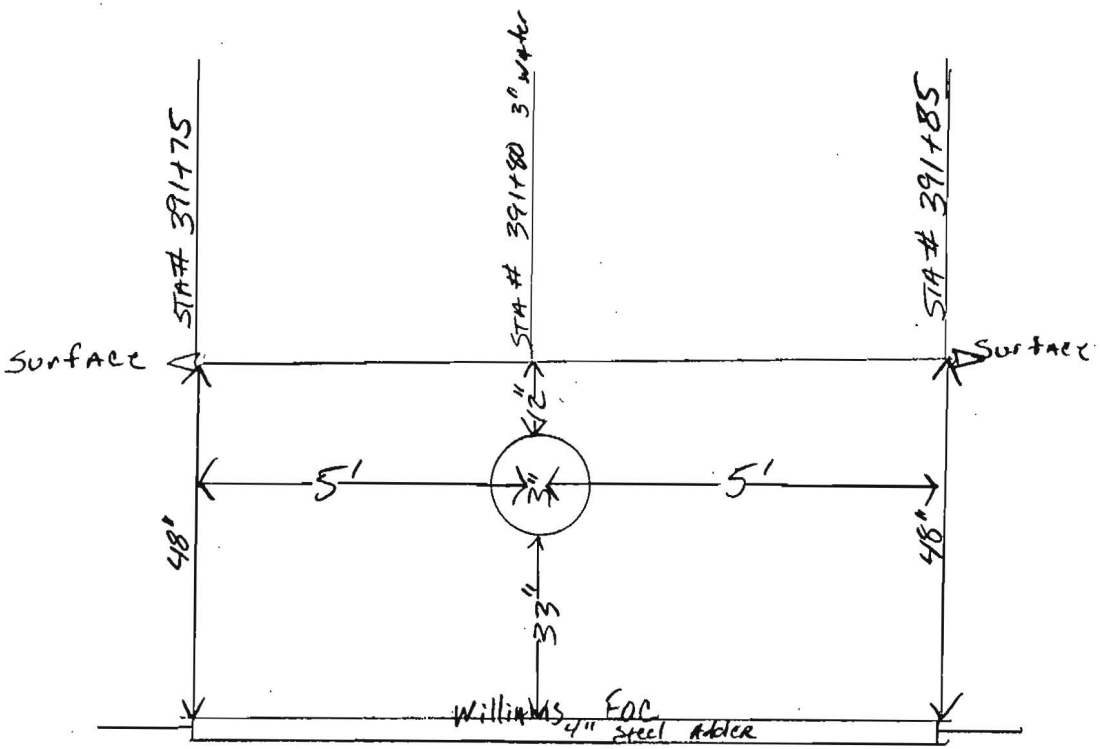


NOTES:
Install 4" steel under 3" water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mccoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DI	PROJECT #	ALIGN. SHEET #	SPREAD #
8	4877	34	31



NOTES: Installed 4" Steel Adder under 3" water line	COUNTY: Sonoma	CONTRACTOR: Hinkels & McCoy
	DUCT CONFIGURATION: (2) 1 1/2 (1) 1 1/4	INSPECTOR: Kenny Strickland

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

393+62 BEGIN STEEL PIPE [4087+44.9 NCRRA]
393+72 CL OF DRIVEWAY [4087+35.1 NCRRA]
393+82 END STEEL PIPE [4087+25.2 NCRRA]

394+82 RR MILE MARKER 79 [4086+26.7 NCRRA]

394+77 MARKER POLE 28'OIS

401+72 MARKER POLE 29'OIS

RAILROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 2, T10N AND R10W
MDB&M

→ SACRAMENTO

N

CL GRAVEL DRIVEWAY
EG
EG
PAC BELL
PROPOSED WILLIAMS FIBER ROUTE
NORTH COAST RAILROAD ASSOCIATION MAINLINE
RR 79 MF

MATCH LINE SHT. 034 391+20

MATCH LINE SHT. 036 403+20

30'-0" 25'-0" 30'-0" 25'-0" 30'-0"

R/W PL G T

392+00 393+00 394+00 395+00 396+00 397+00 398+00 399+00 400+00 401+00 402+00 403+00

30'-0" 25'OIS 48" 25'OIS 48" 25'OIS 48" 25'OIS 48" 25'OIS 48" 25'OIS 48" 30'-0"

TRENCH
42" MINIMUM DEPTH

391+20

21'OIS	25'OIS	28'OIS	25'OIS	25'OIS		
394+00	396+00	398+00	400+00	402+00		403+20

391+75 STEEL
391+85 ELBO
391+91 ELBO
397+01 STEEL

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)
20' – STEEL PIPE

391+20 391+75 55'	391+75 391+85 10'	391+85 391+91 6'	391+91 397+01 10'	397+01 403+20 1119'
1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8_21_00 HDM	1.11@1.41 2-1.5" HDPE 1-1.25" HDPE 4" STEEL K.STRICKLAND 8_21_00 HDM *391+80 - WATER LINE XING*	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8_21_00 HDM	1.11@1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8_21_00 HDM *391+96 - DRAIN LINE*	1.11 2-1.5" HDPE 1-1.25" HDPE 8_21_00 K.STRICKLAND HDM

IN BLACK 1.25" HDPE
6.12 PD B4_JR SMITS 5_16_01

REV-1

Fiber Optic Line
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
P.Q.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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 :	SAH	DATE :	08/02/00
CHECKED BY :	KDB	DATE :	08/02/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4875	LOC. CODE :	006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'		
VERTICAL SCALE (DWG) :	1"=100'		
VERTICAL SCALE (PROF) :	1"=100'		
MAP PROJECTION :	MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-035-SPRD 4

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: TRENCH & PLOW in 3 H.D.P.E. | SPREAD: 3N

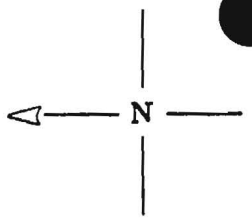
CONTRACTOR: Henkels & McCoy | INSPECTOR: Kenny Strickland | DATE: 5-21-00

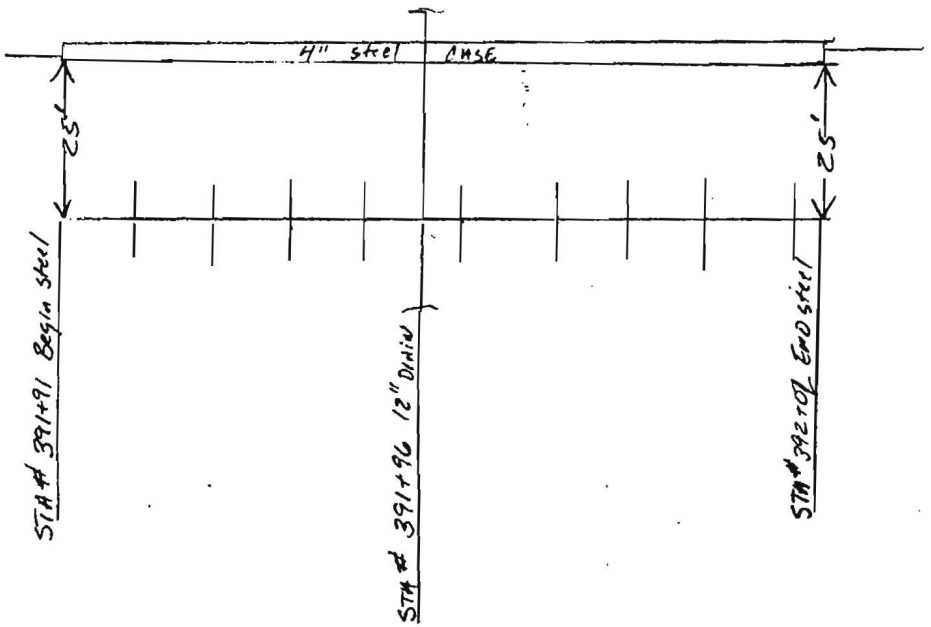
DWG.:# 34 | LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
385+84	25'0/s	48"	Begin Plow
386+00	25'0/s	48"	
395+00	25'0/s	48"	
390+00	25'0/s	48"	
391+80	25'0/s	48"	10' 4" steel Adder 3" water line
391+96	25'0/s	48"	10' 4" steel Adder 12" DRAIN
392+00	25'0/s	48"	
394+00	25'0/s	48"	
396+00	25'0/s	48"	
398+00	25'0/s	48"	
400+00	25'0/s	48"	
402+00	25'0/s	48"	
404+00	25'0/s	48"	
404+75	25'0/s	42"	END Plow
[redacted]			

CONSTRUCTION AS-BUILT DOCUMENTATION

	4877	34	3





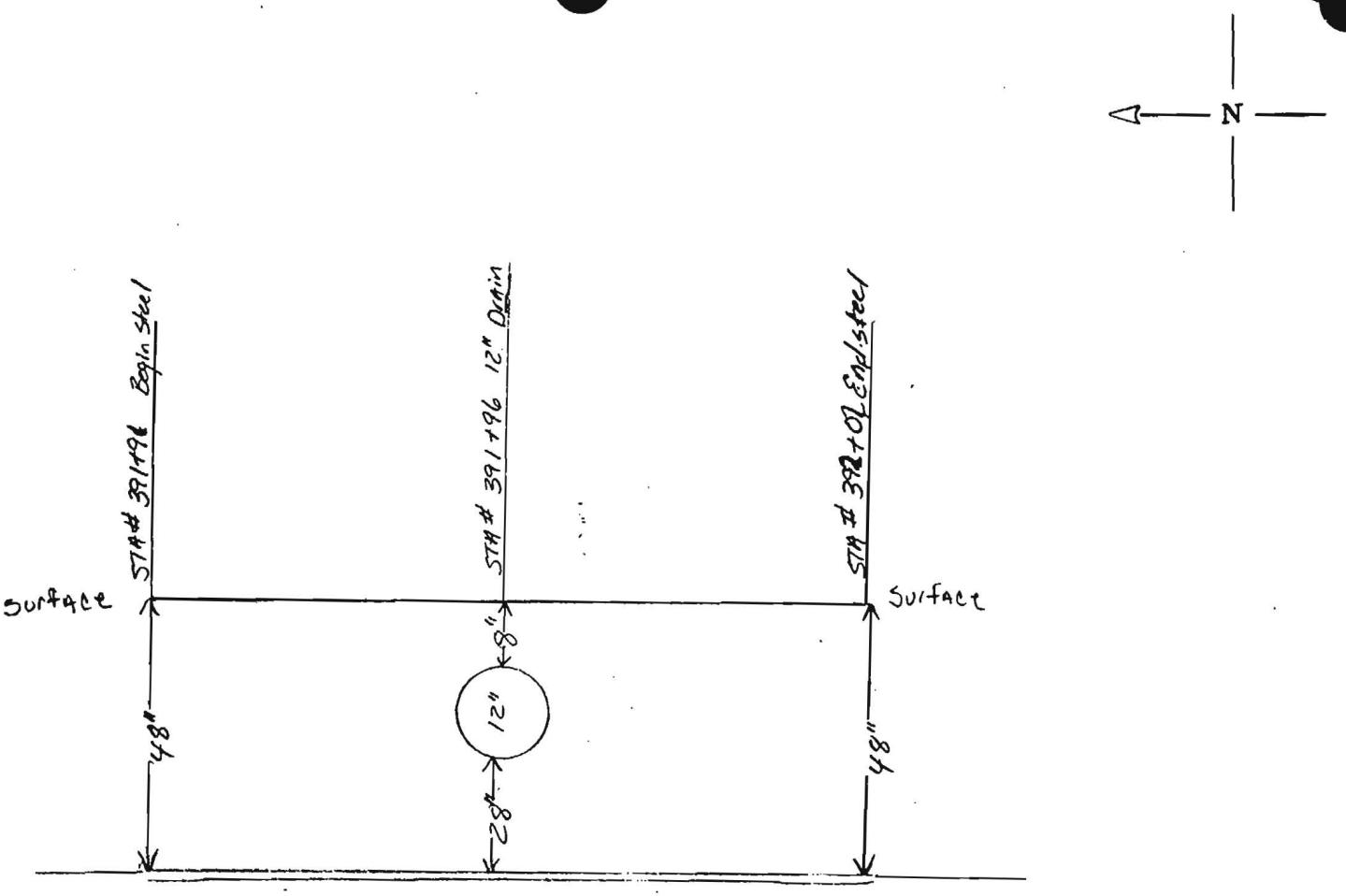
10'

NOTES: Install 4" steel CASE under 12" Drain Pipe

COUNTY: Sonoma	CONTRACTOR: Hinkels & McCoy
DUCT CONFIGURATION: (2) 1½ (1) 1¼	INSPECTOR: Kenny Strickland

CONST[illegible]ION AS-BUILT DOCUMENTATION

	PROJECT #		
	4477	34	3N

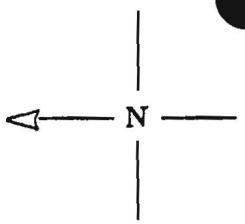


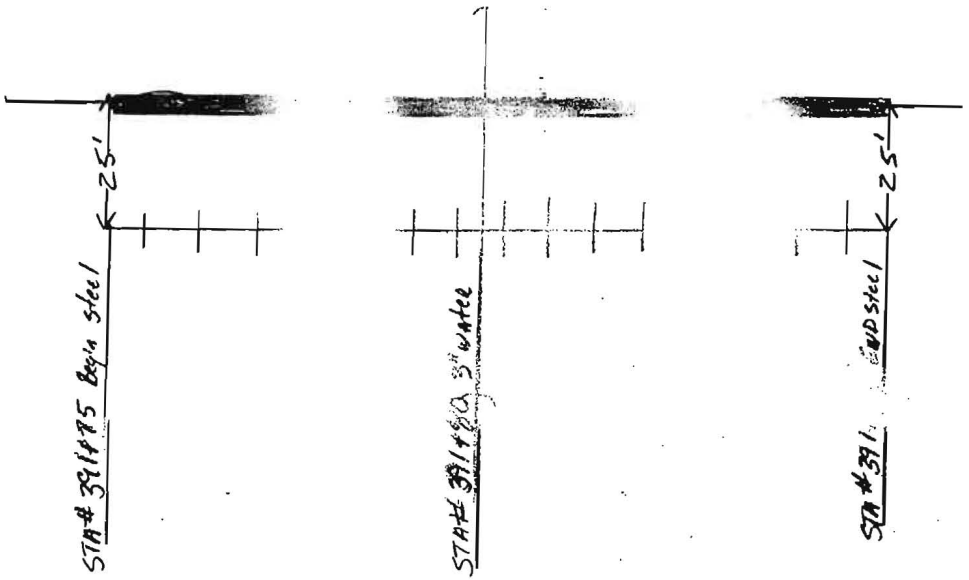
NOTES: Install 10'4" steel Adder under 12" DRain pipe

COUNTY: Sonoma	CONTRACTOR: Hinkels & McCoy
DUCT CONFIGURATION: (2) 1½" (1) 1¼"	INSPECTOR: Kenney/Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

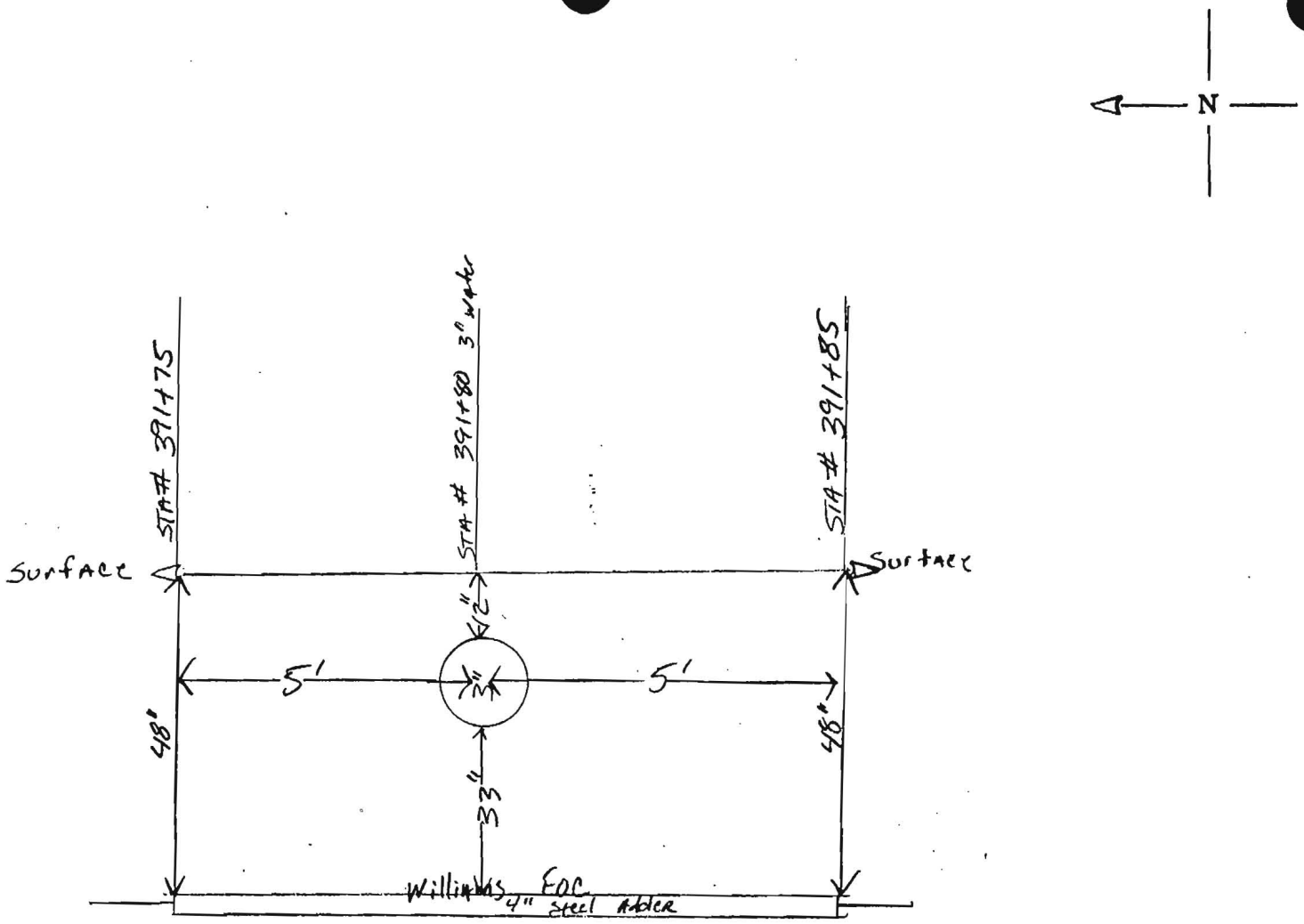
D	PROJECT #	SHEET NUMBER	
4--	4877	34	3A





NOTES:	COUNTY	CONTRACTOR
Install 4" steel under 3" water line	Sonoma	Hinkels & McCoy
	DUCT CONFIGURATION	INSPECTOR
	(2) 1½ (1) 1¼	Kenny Strickland

CONST[illegible]TION AS-BUILT DOCUMENTATION | DA 8 | PROJECT # 4877 | 34 | 3i



NOTES: Installed 4" steel Adder under 3" water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

~~403+82 BEGIN STEEL PIPE (4022+33.4 NCRRA)~~
403+82 WATER LINE (4077+28.1 NCRRA)
~~403+87 END STEEL PIPE (4077+23.4 NCRRA)~~

~~404+55 BEGIN STEEL PIPE (4076+55.2 NCRRA)~~
404+65 CL OF DRIVEWAY (4076+45.2 NCRRA)
~~404+75 END STEEL PIPE (4076+35.2 NCRRA)~~

~~407+70 BEGIN STEEL PIPE (4076+81.7 NCRRA)~~
407+84 END OF BRIDGE (4077+26.7 NCRRA)
407+98 END OF BRIDGE (4073+12.7 NCRRA)
408+03 SEWER LINE (4073+07.7 NCRRA)
~~408+08 END STEEL PIPE (4073+02.7 NCRRA)~~

410+55 MARKER POLE 26'DIS

RAILROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 11, T10N AND R10W
MDB&M

D-GEYSERVILLE-13

SACRAMENTO →

PROPOSED WILLIAMS FIBER ROUTE

CL CHIANTI VINEYARD ROAD

NORTH COAST RAILROAD ASSOCIATION MAINLINE

PAC BELL

BRIDGE

MATCH LINE SHT. 035 403+20

MATCH LINE SHT. 037 415+01

25'DIS 42"
25'DIS 48"
50'-0"
30'-0"
25'-0"
EG
R/W
PL
T
W
G

HAND DIG 42" MINIMUM DEPTH

TRENCH 42" MINIMUM DEPTH

DIRECTIONAL DRILL 60" MINIMUM DEPTH

403+20 | 404+00 | 404+75 | 405+00 | 406+00 | 407+00 | 408+00 | 408+17 | 408+23 | 408+73 | 409+00 | 410+00 | 411+00 | 412+00 | 413+00 | 414+00 | 415+00 | 415+01

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

1181' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

10' – STEEL PIPE | 20' – STEEL PIPE | 30' – STEEL PIPE

403+20 404+75 155'	404+75 406+00 125'		406+00 408+73 223'		408+73 415+00 627'	415+00 415+01 01
1.11 2-1.5" HDPE 1-1.25" HDPE K. STRICKLAND 8_21_00 HEM.	TRENCH 2-1.5" HDPE 1-1.25" HDPE JEFF MCKOY 1_9_01 HEM.		TRENCH 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 10_23_00 HEM.		1.11 2-1.50' HDPE 1-1.25" HDPE K STRICKLAND 8_21_00 HEM	TRENCH 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 10_23_01 HEM.

IN BLACK 1.25" HDPE
6.12 PD BY JR SHTS 5_16_01

REV-1

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.L.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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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	

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : SAH	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-036-SPRD 4	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: TRENCH & Plow in 3 H.D.P.E.

SPREAD: 3N

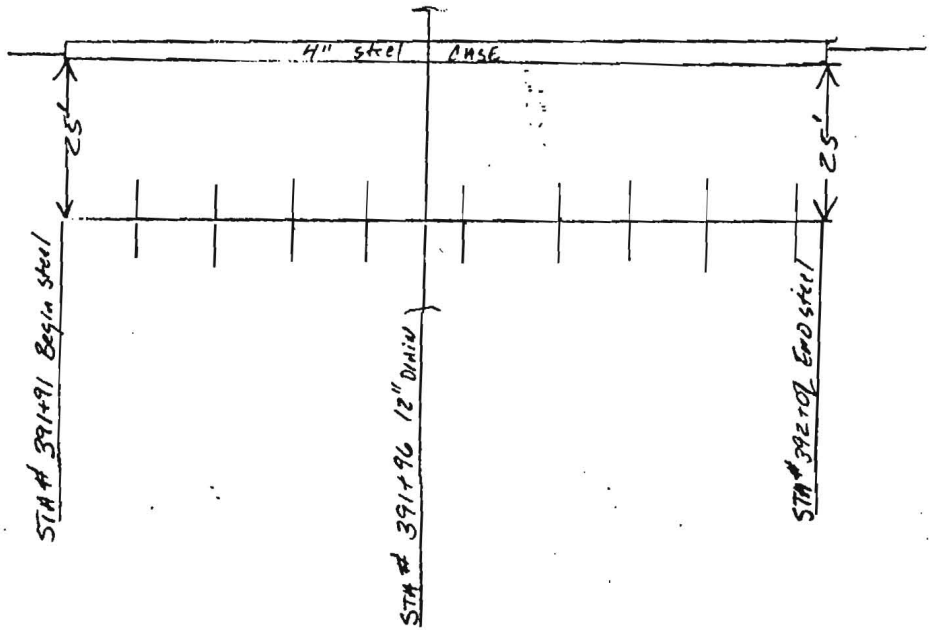
CONTRACTOR: Henkels & McCoy INSPECTOR: Kenny Stockland DATE: 8-21-00

DWG.:# 34 LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
385 +84	25'0/s	48"	Begin Plow
386+00	25'0/s	48"	
388+00	25'0/s	48"	
390+00	25'0/s	48"	
391+80	25'0/s	48"	10' 4" steel adder 3" water line
391+96	25'0/s	48"	10' 4" steel adder 12" DRAIN
392+00	25'0/s	48"	
394+00	25'0/s	48"	
396+00	25'0/s	48"	
398+00	25'0/s	48"	
400+00	25'0/s	48"	
402+00	25'0/s	48"	
404+00	25'0/s	48"	
404+75	25'0/s	42"	END Plow
[redacted]	[redacted]	[redacted]	[redacted]

current as of: 12/7/98

CONST TION AS-BUILT DOCUMENTATION



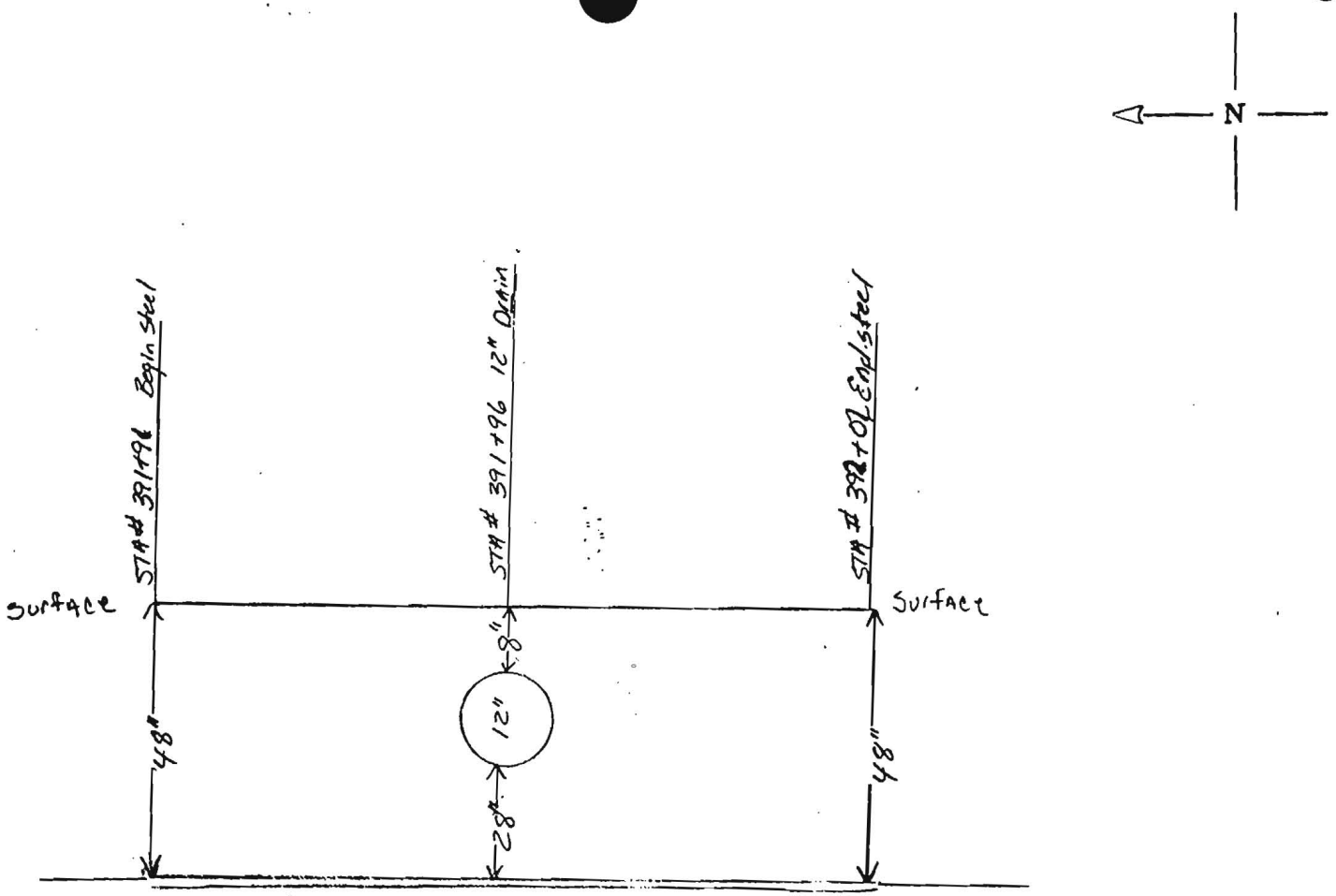
10'

NOTES: Install 4" steel CASE under 12" DRAIN Pipe.

COUNTY: Sonoma	CONTRACTOR: Hinkels & Mccoy
DUCT CONFIGURATION: (2) 1½ (1) 1¼	INSPECTOR: Kenny Strickland

CONST ON AS-BUILT DOCUMENTATION

41877 | 34 | 2N

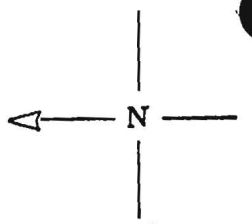


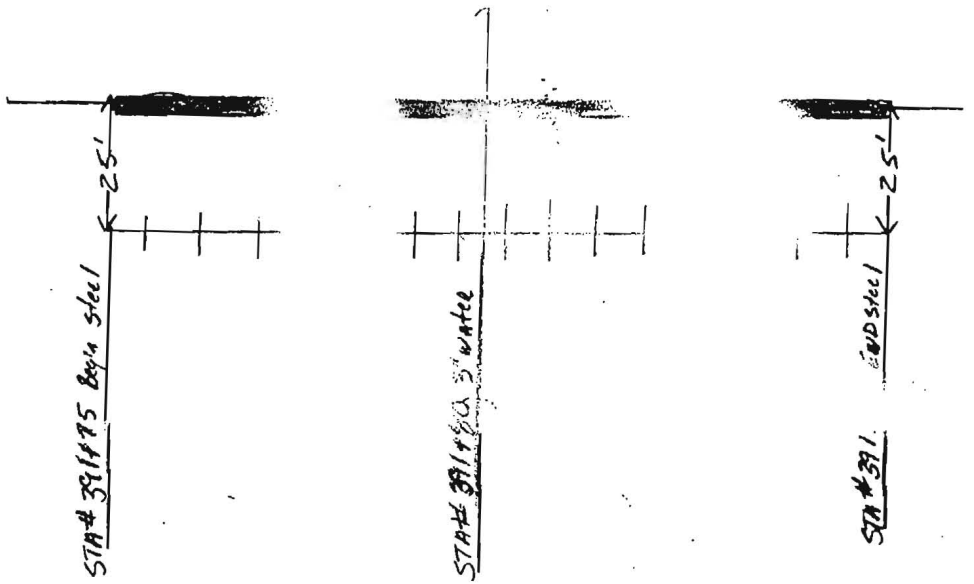
NOTES: Install 10'4" steel Adder under 12" DRain pipe

COUNTY	CONTRACTOR
Sonoma	Hinkely & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

CONST ION AS-BUILT DOCUMENTATION

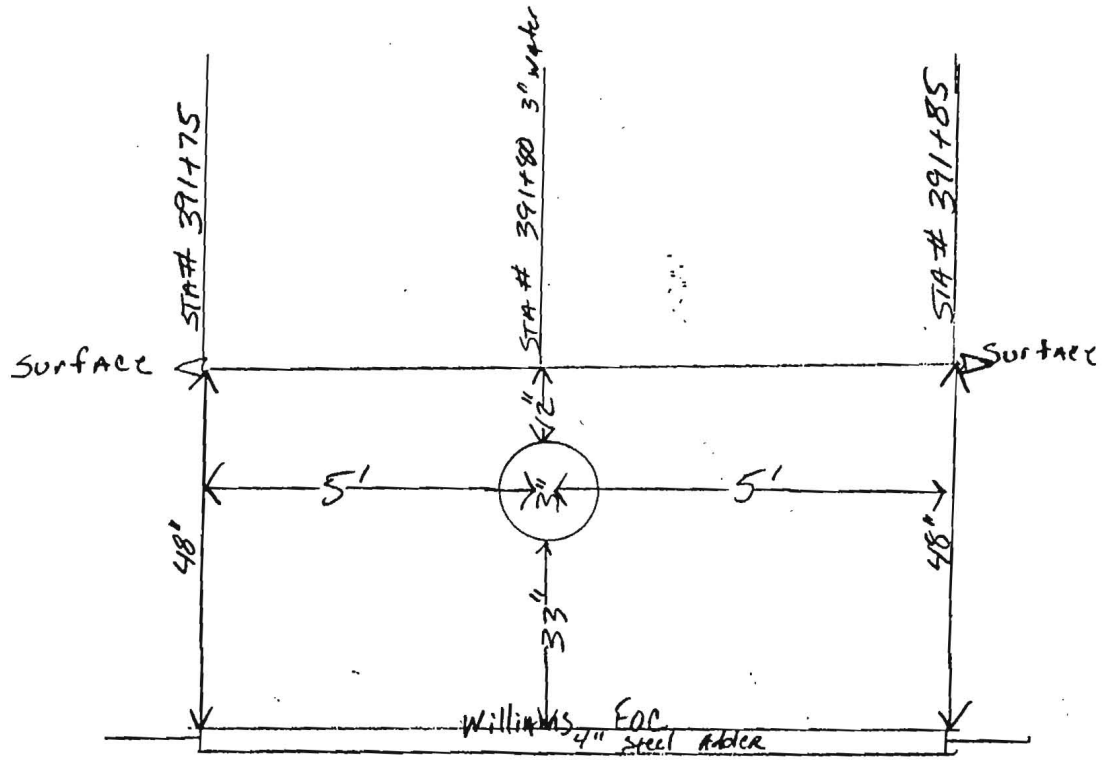
	4877	34	3A





NOTES:
Install 4" steel under 3" water line

COUNTY: Sonoma	CONTRACTOR: Hinkels & Mccoy
DUCT CONFIGURATION: (2) 1½ (1) 1¼	INSPECTOR: Kenny Strickland



NOTES: Installed 4" Steel Adder under 3" water line

COUNTY: Sonoma	CONTRACTOR: Hinkels & McCoy
DUCT CONFIGURATION: 12-1 1/2 (1) 1 1/4	INSPECTOR: Kenny Strickland

Page__ of __

DAILY TRENCHING: WILLIAMS FIBER ROUTE

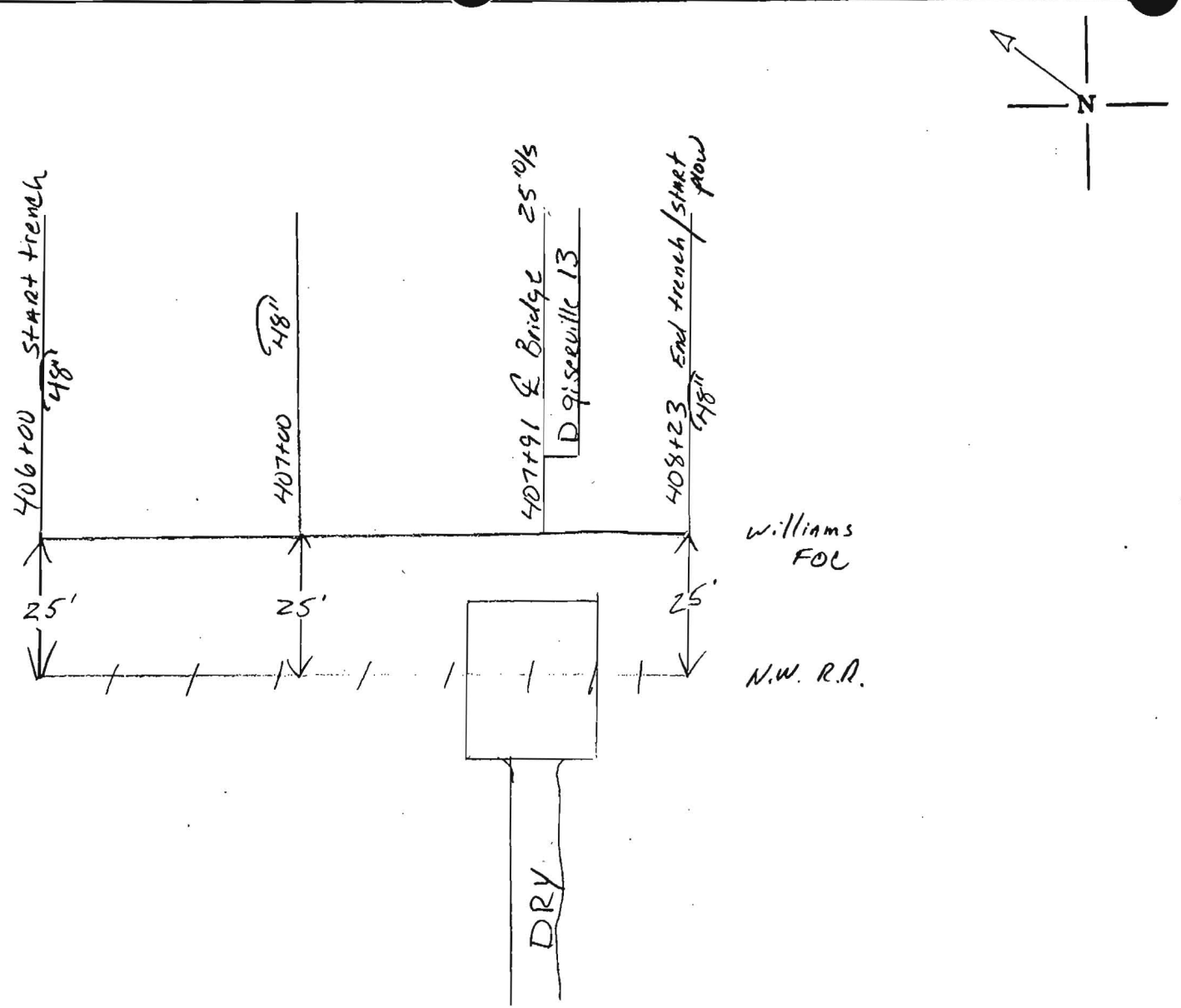
DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
406+00	25 O/S	48"		Start trench
407+00	25 O/S	48"		
408+00	25 O/S	48"		
408+17	25 O/S	48"		CL Couplers
408+23	25 O/S	48"		End trench
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]

DATE: 10-23-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 35, 36, 37, 38	PROJECT: 99P1541-14

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	SCREAD #
1"=[illegible]'-00	99P1541-14	36	3:



NOTES:
Trench through Drainage As shown Above

COUNTY	CONTRACTOR
Sonoma	Minkels
DUCT CONFIGURATION	INSPECTOR
2-1 1/2 1-1 1/4	Kenny Strickland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: TRENCH & Plow in 3 H.D.P.E

SPREAD: 3N

CONTRACTOR: Henkles & McCoy INSPECTOR: Kenny Stockland DATE: 8-21-00

DWG.:# 34 LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
408+73	25'0/s	48"	Begin Plow
409+00	25'0/s	45"	
411+00	25'0/s	48"	
413+00	25'0/s	48"	
415+00	25'0/s	42"	EWO Plow

DAILY TRENCHING: WILLIAMS FIBER ROUTE

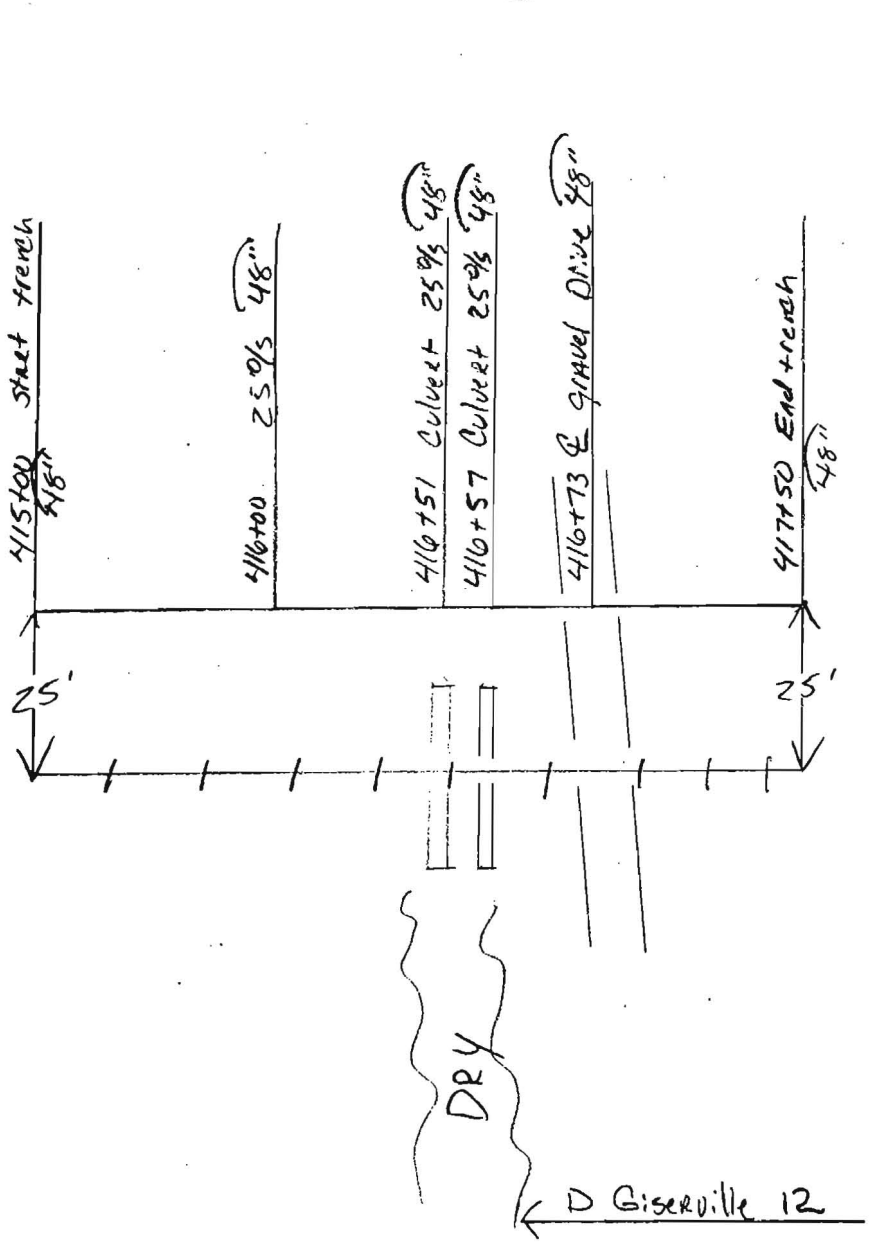
DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
415+00	25 10/s	48"		Start trench
416+00	25 10/s	48"		
417+00	25 10/s	48"		
417+42	25 10/s	48"		℄ couplins
417+50	25 10/s	48"		End trench
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]

DATE: 10-23-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 35, 36, 37, 38	PROJECT: 99P1541-14

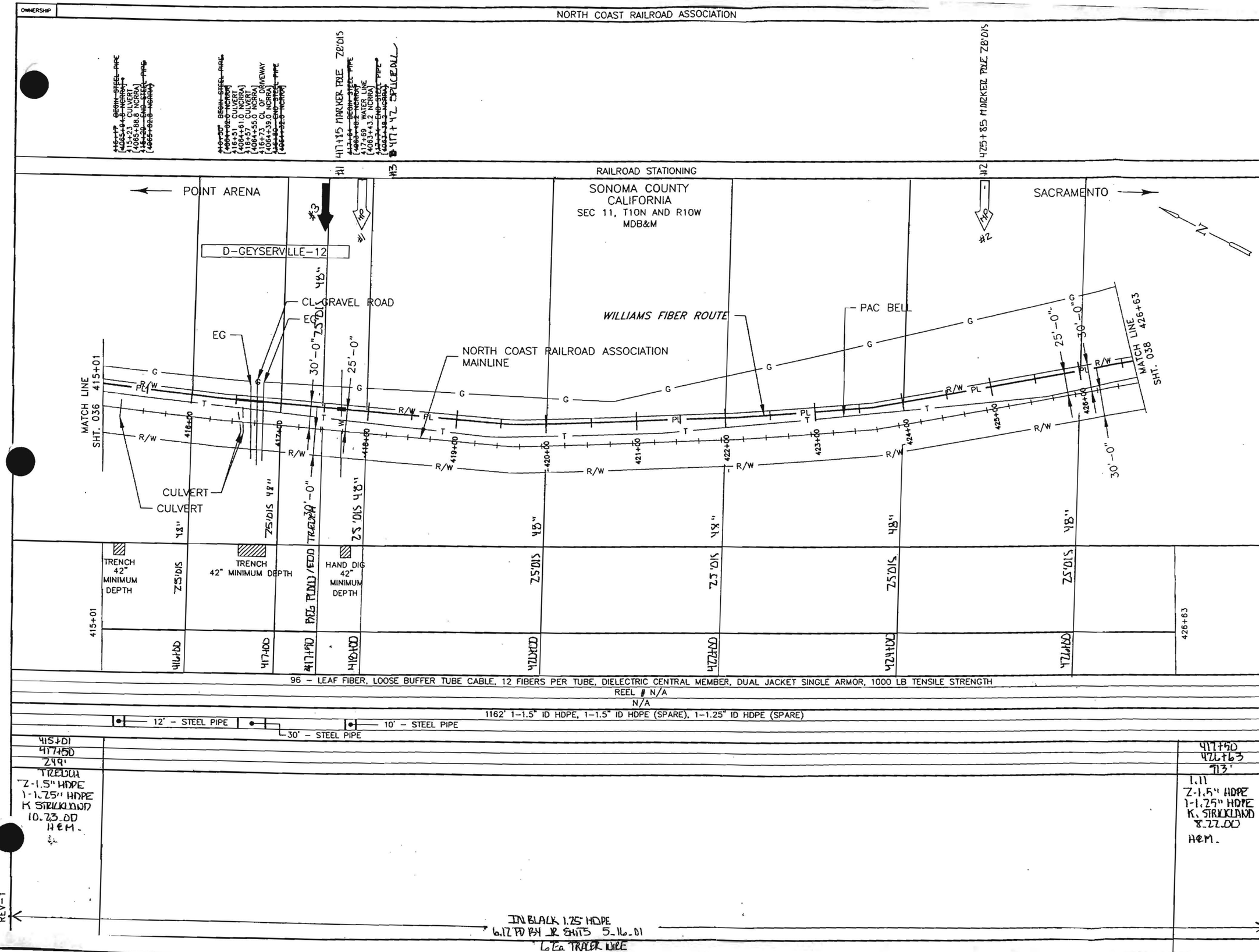
CONSTRUCTION AS-BUILT DOCUMENTATION

	3-00	PROJECT # 99P1541-14	ALIGN. SHEET # 37



NOTES:
trench out in front of culverts

COUNTY: Sonoma	CONTRACTOR: Hinkels
DUCT CONFIGURATION: 2 1/2 - 1 1/4	INSPECTOR: Kenny Strickland



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
1-888-265-2283

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

CABLE FIBER COUNT MFG. TYPE OF GLASS
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 : SAH	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-037-SPRD 4	

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
415+00	25' 10" S	48"		Start trench
416+00	25' 4" S	48"		
417+00	25' 0" S	48"		
417+42	25' 0" S	48"		2 couplings
417+50	25' 4" S	48"		End trench
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]

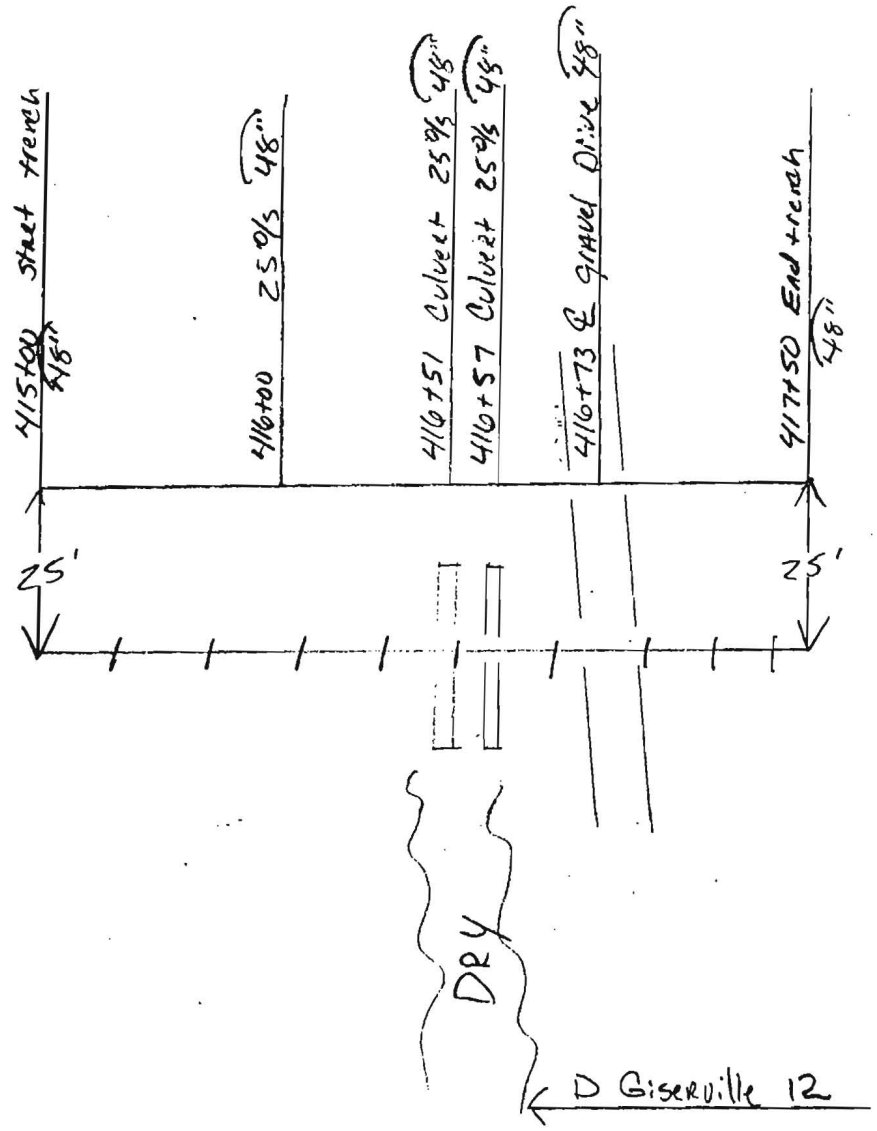
DATE: 10-23-00 CONTRACTOR: Hinkels

COUNTY: Sonoma INSPECTOR: Kenny Shackelford

ALIGN. SHT. # 35, 34, 37, 38 PROJECT: EQP1541-14

CONSTRUCTION AS-BUILT DOCUMENTATION

[illegible]	99P1541-14	37	3.



NOTES:
trench out in front of culverts

COUNTY
Sonoma

CONTRACTOR
Hinkels

DUCT CONFIGURATION
2 1/2 - 1 1/4

INSPECTOR
Kenny Strickland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow / Trench

SPREAD: 2N

CONTRACTOR: Hinkels & Mccoy INSPECTOR: Kenny Strickland DATE: 8-22-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
417 +50	25'0/s	48"	Start Plow
418+00	25'0/s	48"	
420+00	25'0/s	48"	
422+00	25'0/s	48"	
424+00	25'0/s	48"	
426+00	25'0/s	48"	
428+00	25'0/s	48"	
430+00	25'0/s	48"	
432+00	25'0/s	48"	
434+00	25'0/s	48"	
436+00	25'0/s	48"	
1966' 436+94	42" 25'0/s	42"	End Plow
438+44	25'0/s	48"	Start Plow
439+00	25'0/s	48"	
441+00	25'0/s	48"	
442+50	23'0/s	48"	Coupling (BHC)
443+00	17'0/s	48"	
445+00	15'0/s	48"	
447+00	17'0/s	48"	
449+00	17'0/s	48"	
1103' 449+47	15'0/s	48"	End Plow / Couplings
449+47	15'0/s	48"	Start trench
72' 449+65	15'0/s	62" 48"	6" water 20" - T
450+19	18'0/s	52"	End Trench
451+69 451+72	17'0/s	48"	Start Plow
452+00	17'0/s	48"	
454+00	17'0/s	48"	
456+00	17'0/s	48"	
458+00	17'0/s	48"	

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

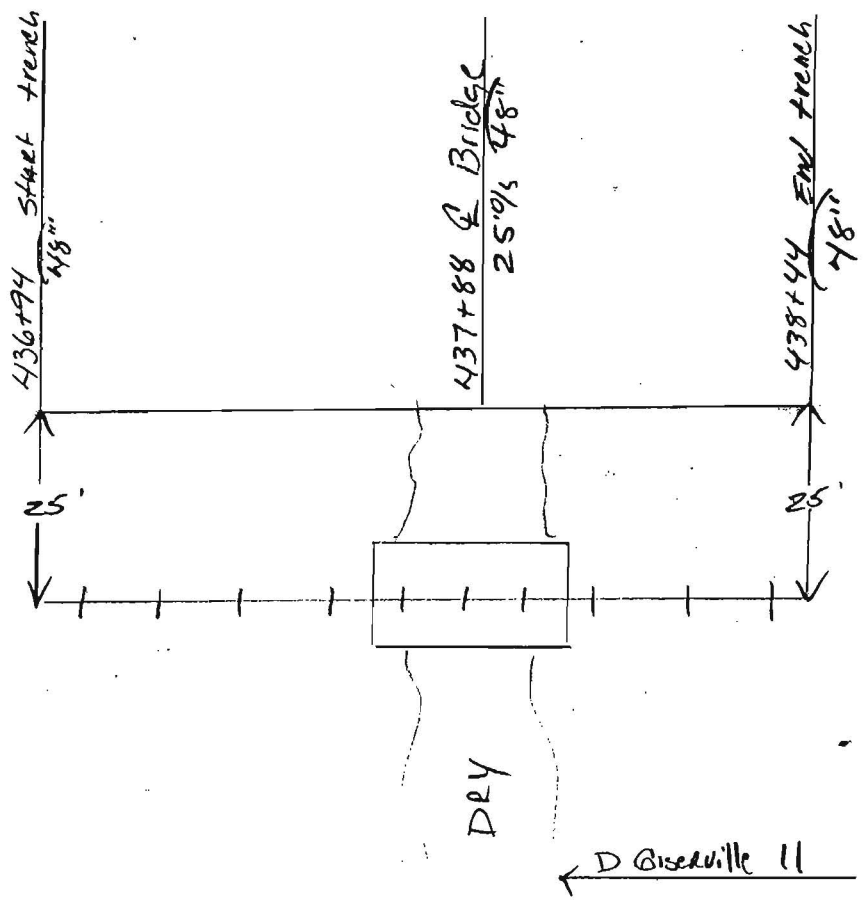
STATION #	OFF SET	DEPTH	MILE POST	REMARKS
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
415+00	25 10/3	48"		Start trench
416+00	25 4/3	48"		
417+40	25 0/3	48"		
417+42	25 0/3	48"		@ couplings
417+50	25 4/3	48"		End trench
436+94	25 9/3	48"		Start trench
437+94	25 10/3	48"		
438+30	25 4/3	48"		@ couplings
438+44	25 0/3	48"		End trench

DATE: 10-23-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Steinbrenner
ALIGN. SHT. # 35, 3437, 38	PROJECT: 5951541-14

CONSTRUCTION AS-BUILT DOCUMENTATION

D/	PROJECT #	ALIGN. SHEET #	SPREAD #
1-00	99P1541-14	38	3

NEED DATUMS FOR THESE 3 DRAWINGS.



NOTES:	COUNTY	CONTRACTOR
French trough D Giserville 11 As Shown Above	Sonoma	Hinkels
	DUCT CONFIGURATION: 2-1 1/2 1-1 1/4	INSPECTOR: Kenny Steickland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: PAGE (2) of (2)
Install (3) H.D.P.E.

SPREAD: 3N

CONTRACTOR: Hinkles & Mccoy INSPECTOR: Kenny Strickland DATE: 8-22-00

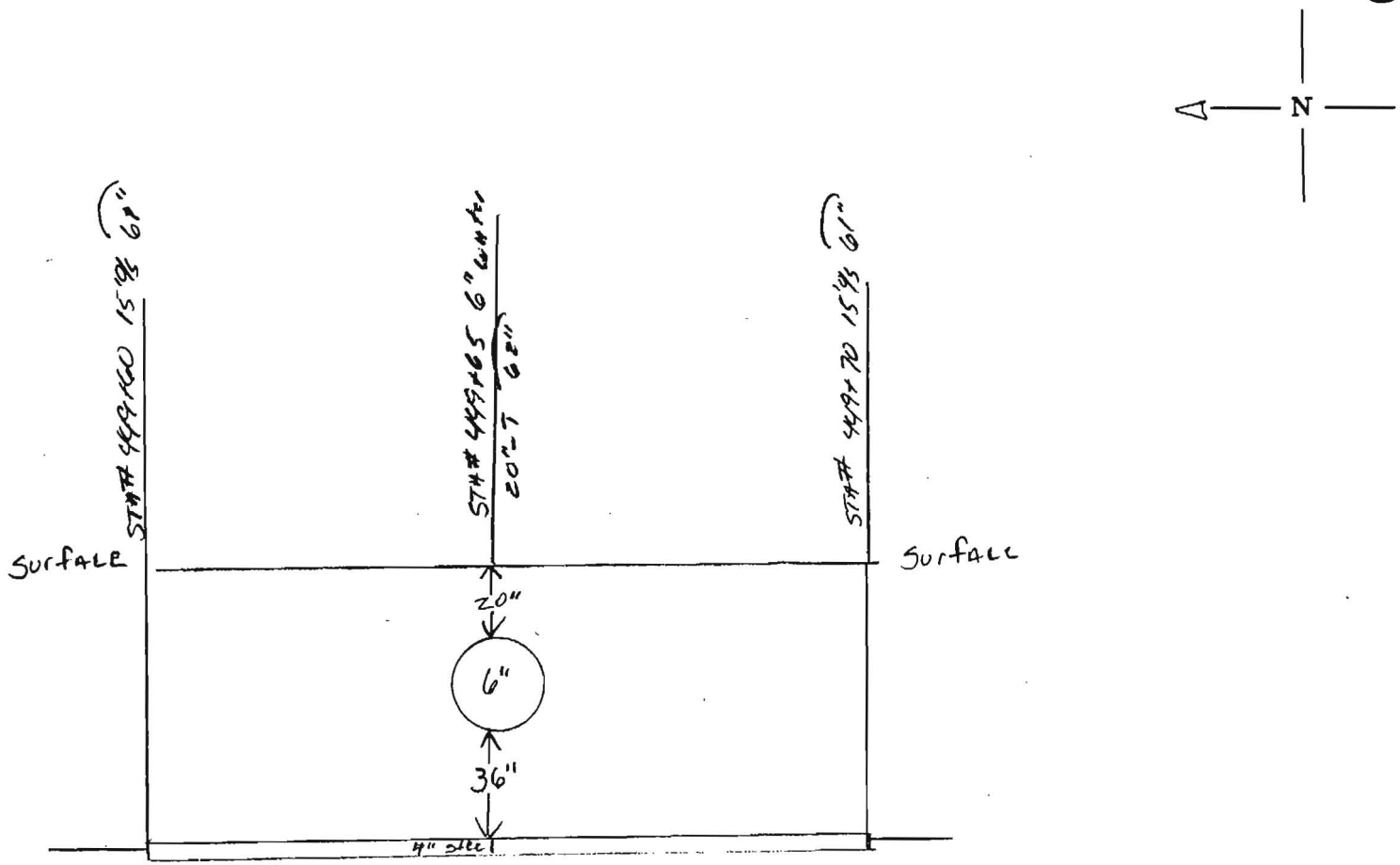
DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
460+00	23'0/s	48"	
461+00	25'0/s	48"	End Plow

928

CONSTRUCTION AS-BUILT DOCUMENTATION

DAT	PROJECT #	ALIGN. SHEET #	SPREAD #
8-	4877	39	3N

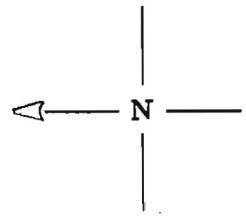


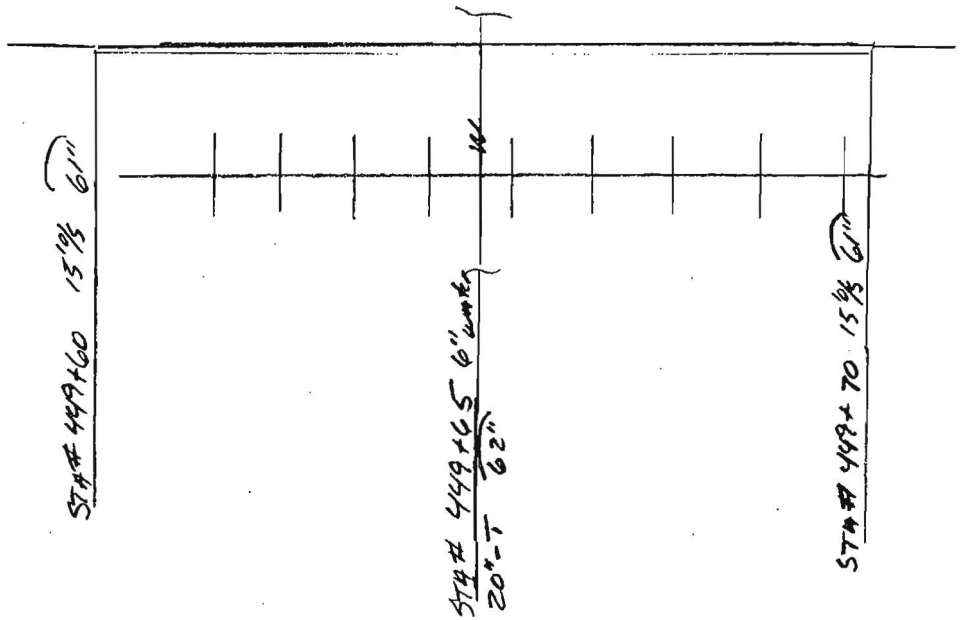
NOTES: Install 10' of 4" steel under 6" water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mccoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strick

CONSTRUCTION AS-BUILT DOCUMENTATION

DAT[illegible]-00	PROJECT # 4877	ALIGN. SHEET # 39	SPREAD # 3[illegible]



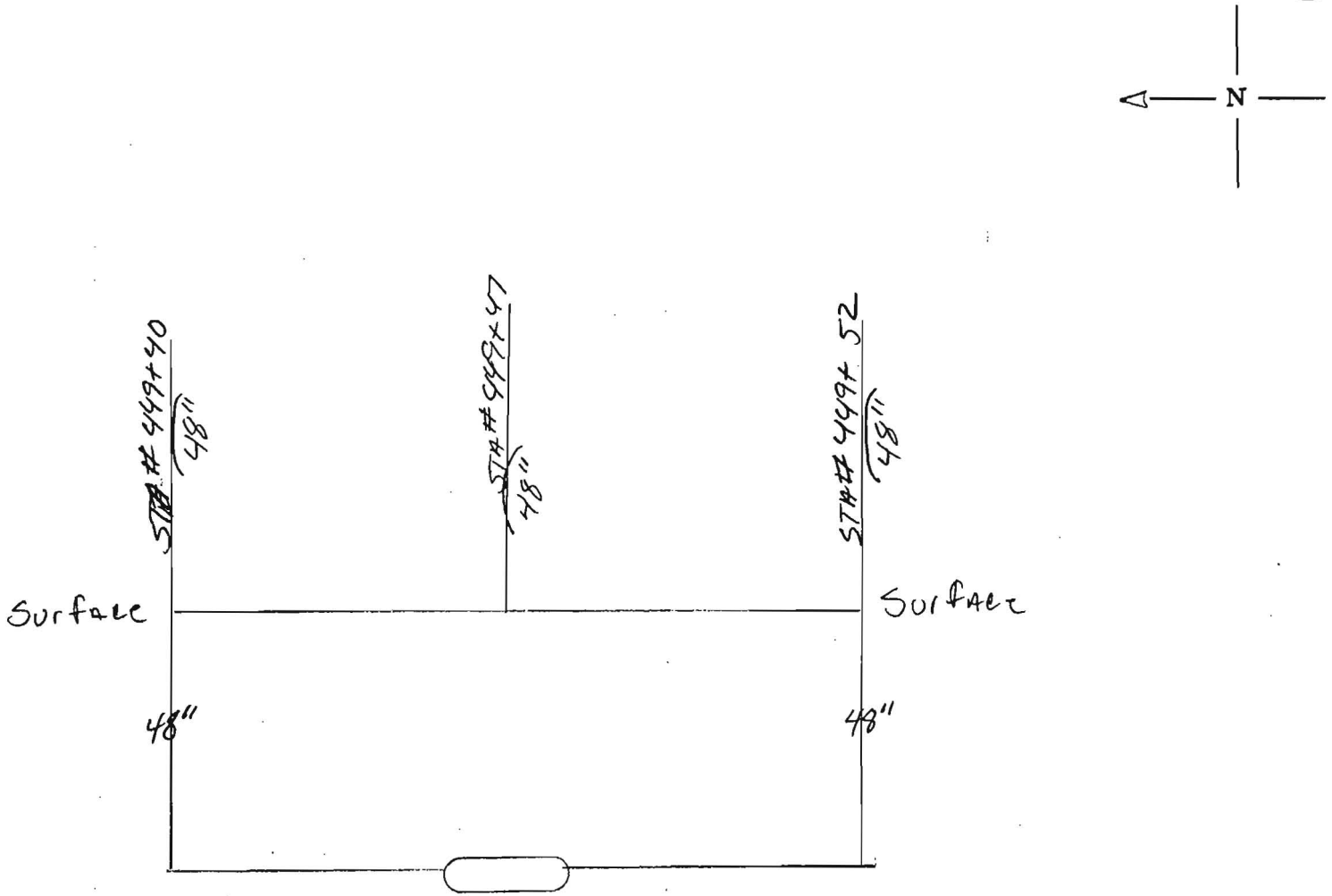


NOTES: Install 4" steel (10" length) under 6" water line

COUNTY	CONTRACTOR
Sonoma	Hinkle & Mccoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	ALIGN. SHEET #	SPREAD #
3-00	4877	38	31



NOTES:
Install couplers at tie in

COUNTY: Sonoma

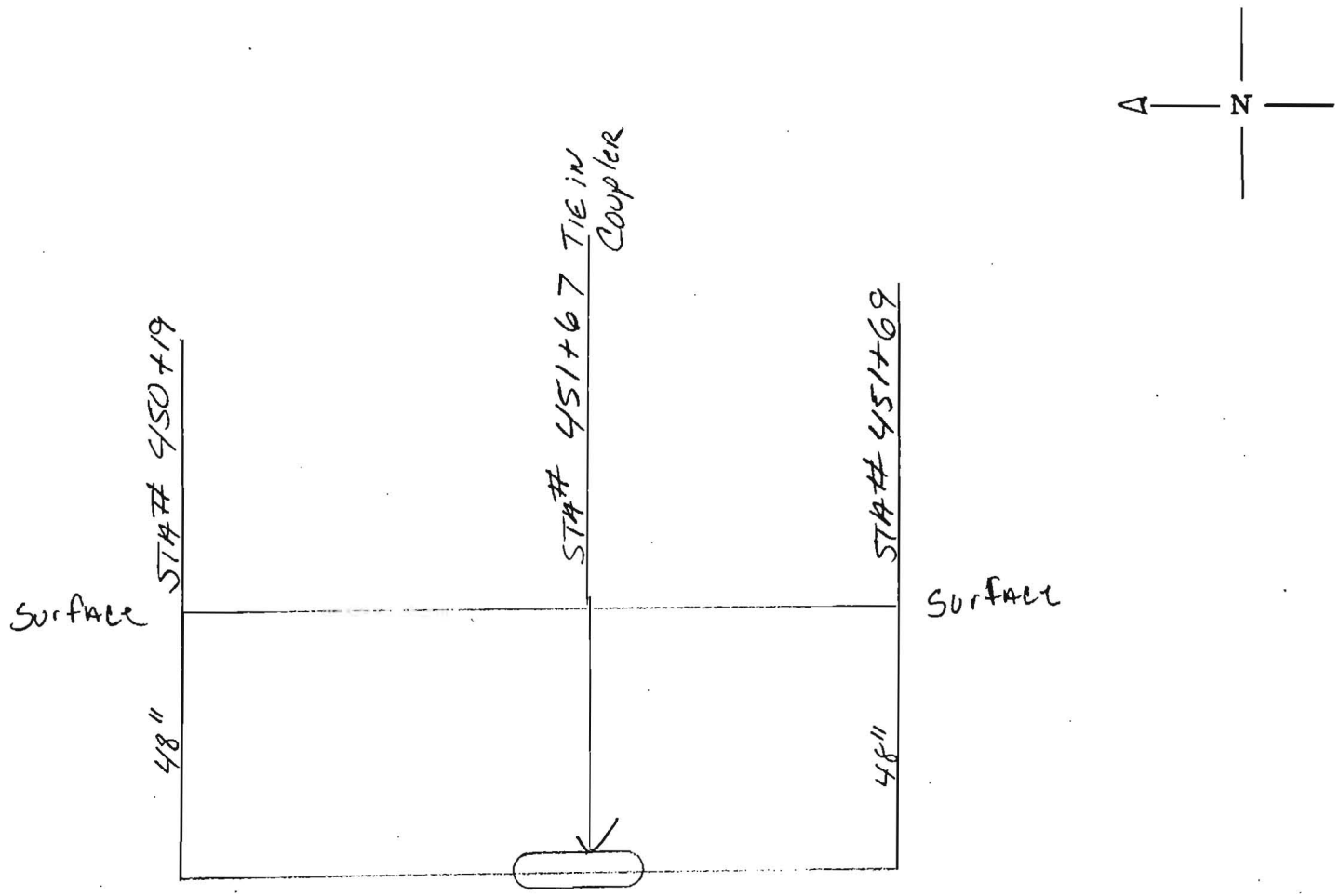
CONTRACTOR: Hinkels & McCoy

DUCT CONFIGURATION: (2) 1½ - (1) 1¼

INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

D:	PROJECT #	ALIGN. SHEET #	SPREAD #
3-00	4677	40	3



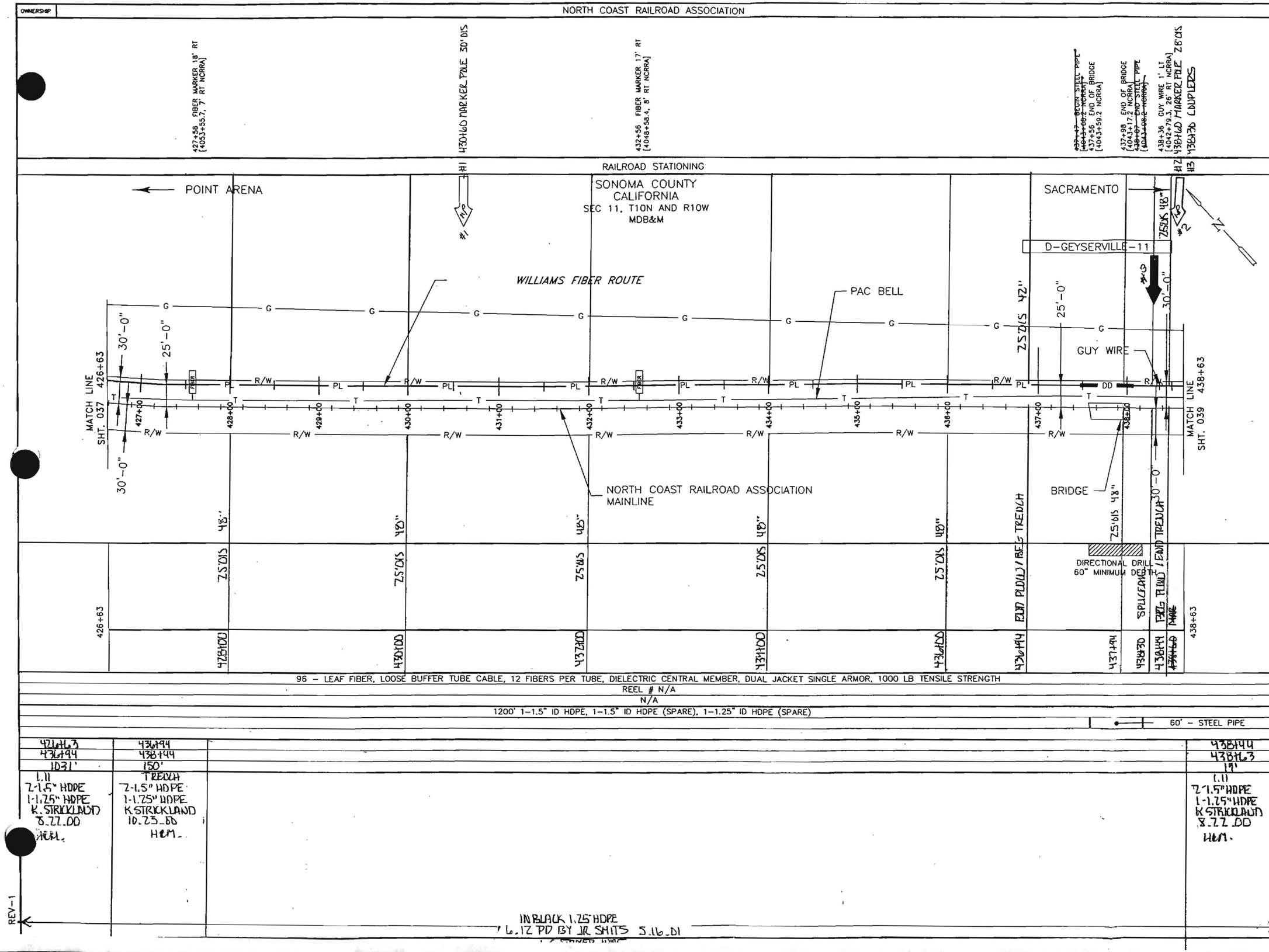
NOTES: Installed 3 couplings (2) 1½ – (1) 1¼

COUNTY: Sonoma

CONTRACTOR: Hinkels & Mccoy

DUCT CONFIGURATION: (2) 1½ (1) 1¼

INSPECTOR: Kenny Strickland



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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : SAH	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-038-SPRD 4	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow / Trench	3N

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 8-22-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
417+50	25'0/s	48"	Start Plow
418+00	25'0/s	48"	
420+00	25'0/s	48"	
422+00	25'0/s	48"	
424+00	25'0/s	48"	
426+00	25'0/s	48"	
428+00	25'0/s	48"	
430+00	25'0/s	48"	
432+00	25'0/s	48"	
434+00	25'0/s	48"	
436+00	25'0/s	48"	
1966' 436+94	~~42'~~ 25'0/s	48"	End Plow
438+44	25'0/s	48"	Start Plow
439+00	25'0/s	48"	
441+00	25'0/s	48"	
442+50	23'0/s	48"	Coupling (Blk)
443+00	17'0/s	48"	
445+00	15'0/s	48"	
447+00	17'0/s	48"	
449+00	17'0/s	48"	
1103' 449+47	15'0/s	48"	End Plow / Couplings
449+47	15'0/s	48"	Start trench
72' 449+65	15'0/s	~~62'~~ 48"	6" water 20" - T
450+19	18'0/s	52"	End Trench
451+69 ~~451+72~~	17'0/s	48"	Start Plow
452+00	17'0/s	48"	
454+00	17'0/s	48"	
456+00	17'0/s	48"	
458+00	17'0/s	48"	

Page__ of __

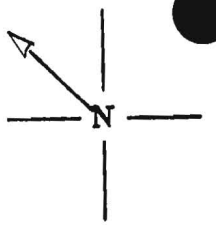
DAILY TRENCHING: WILLIAMS FIBER ROUTE

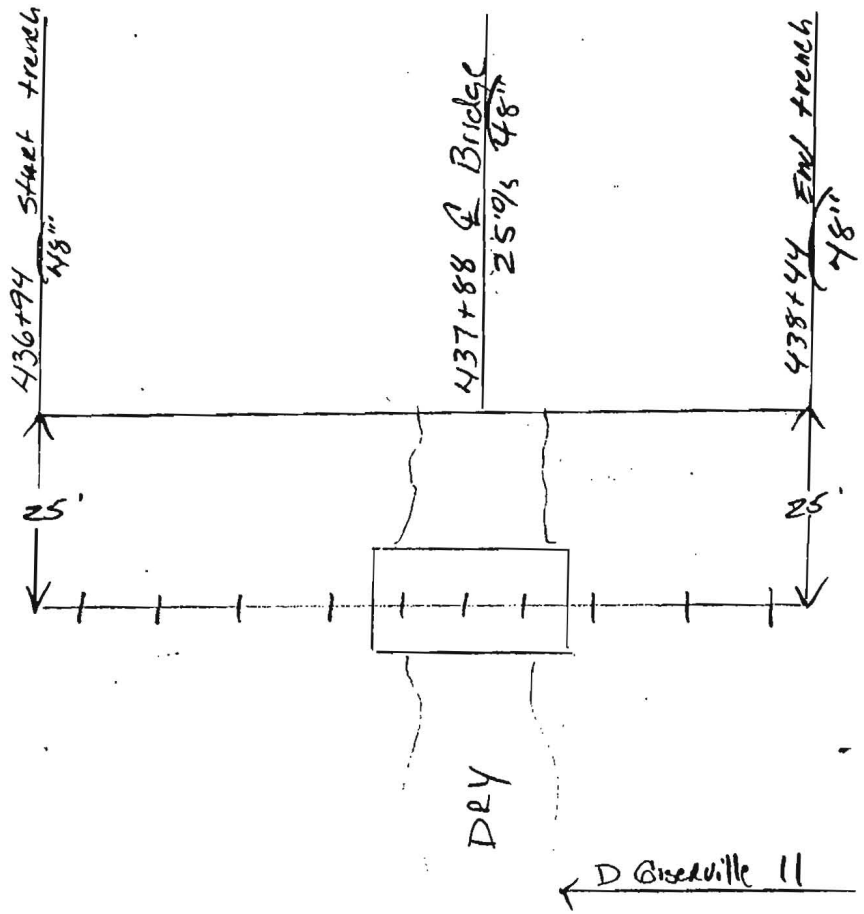
DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
415+00	25 10/s	48"		Start trench
416+00	25 10/s	48"		
417+00	25 10/s	48"		
417+42	25 10/s	48"		℄ couplins
417+50	25 10/s	48"		End trench
436+94	25 10/s	48"		Start trench
437+94	25 10/s	48"		
438+30	25 10/s	48"		℄ couplins
438+44	25 10/s	48"		End trench

DATE: 10-23-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 35, 36, 37, 38	PROJECT: 99P1541-14

NEED DETAILS FOR THESE 3 DRAWINGS.





NOTES:
French trough D Giserville II As shown Above

COUNTY: Sonoma
CONTRACTOR: Hinkels
DUCT CONFIGURATION: 2-1½ 1-1¼
INSPECTOR: Kenny Steickland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: PAGE (2) of (2)
Install (3) H.D.P.E.

SPREAD: 3N

CONTRACTOR: Hinkles & Mccoy INSPECTOR: Kenny Strickland DATE: 8-22-00

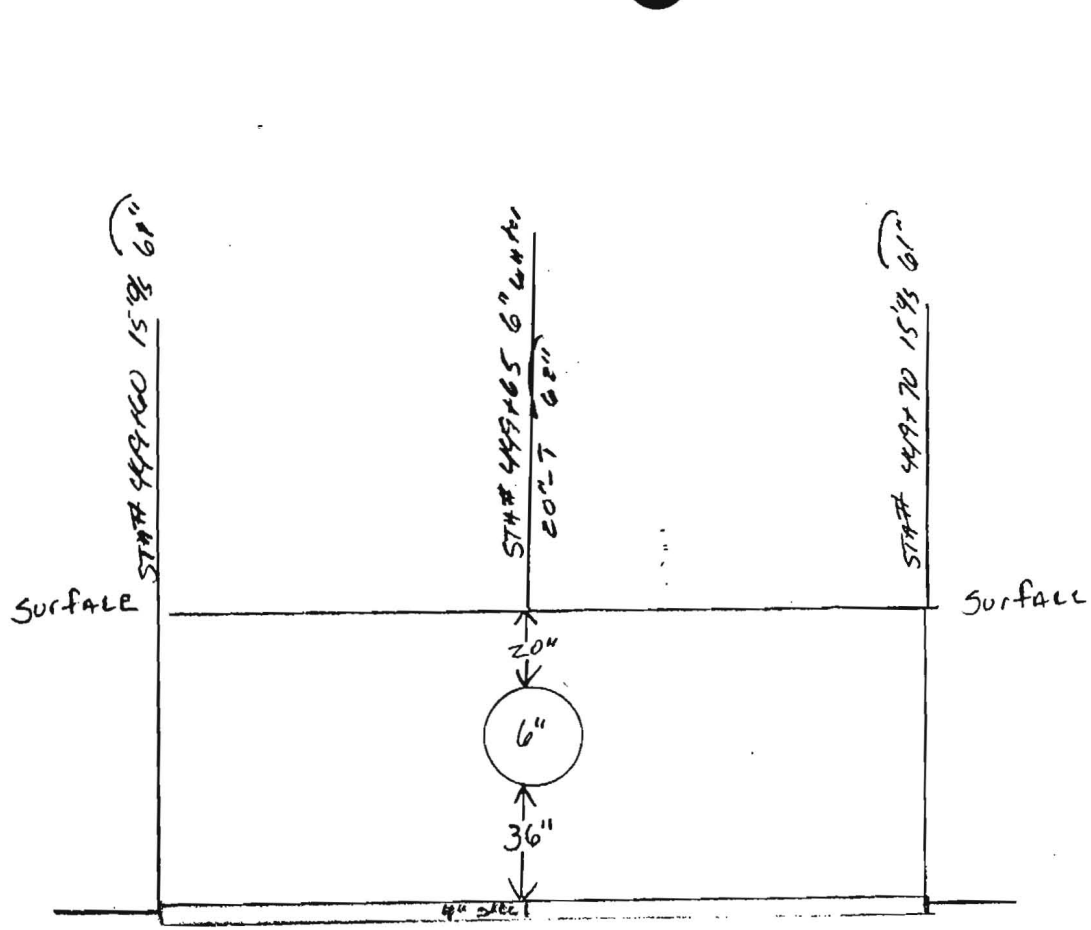
DWG.:# LOCATION:

928

STATION:	OFFSET:	DEPTH:	NOTES:
460+00	23'9/s	48"	
461+00	25'0/s	48"	End Plow

CONSTRUCTION AS-BUILT DOCUMENTATION

DAT	PROJECT #	SHEET #	
8-	4877	39	3N

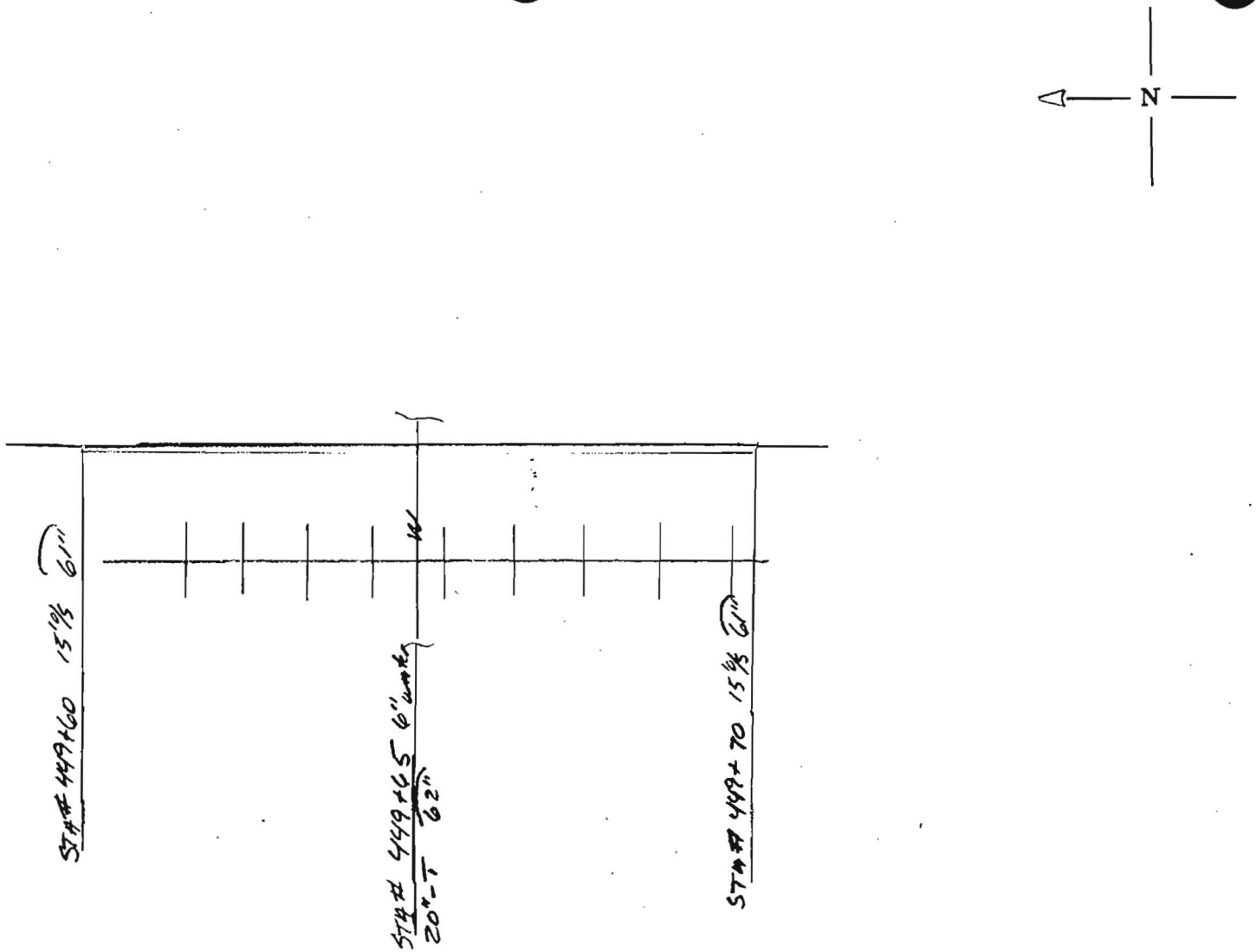


NOTES: Install 10'of 4" steel under 6" water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mccoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strick

CONST[illegible]CTION AS-BUILT DOCUMENTATION

DAT	PROJECT #	ALIGN. SHEET#	SPREAD #
4[illegible] 00	4877	39	31[illegible]

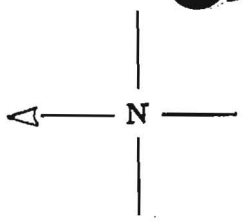


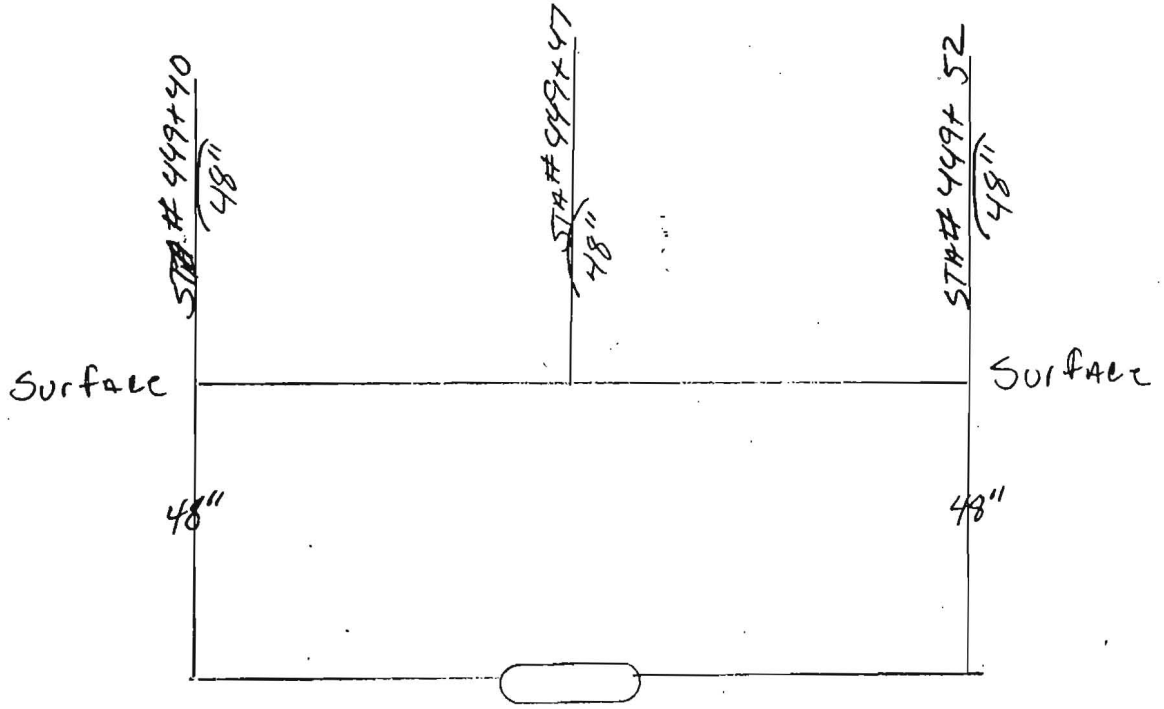
NOTES: Install 4" Steel (10" length) under 6" water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mccoy
DUCT CONFIGURATION	**INSPECTOR**
(2) 1 1/2 (1) 1 1/4	Kenny Stri[illegible]and

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	ALIGN. SHEET #	SCREW #
3-00	4877	38	3



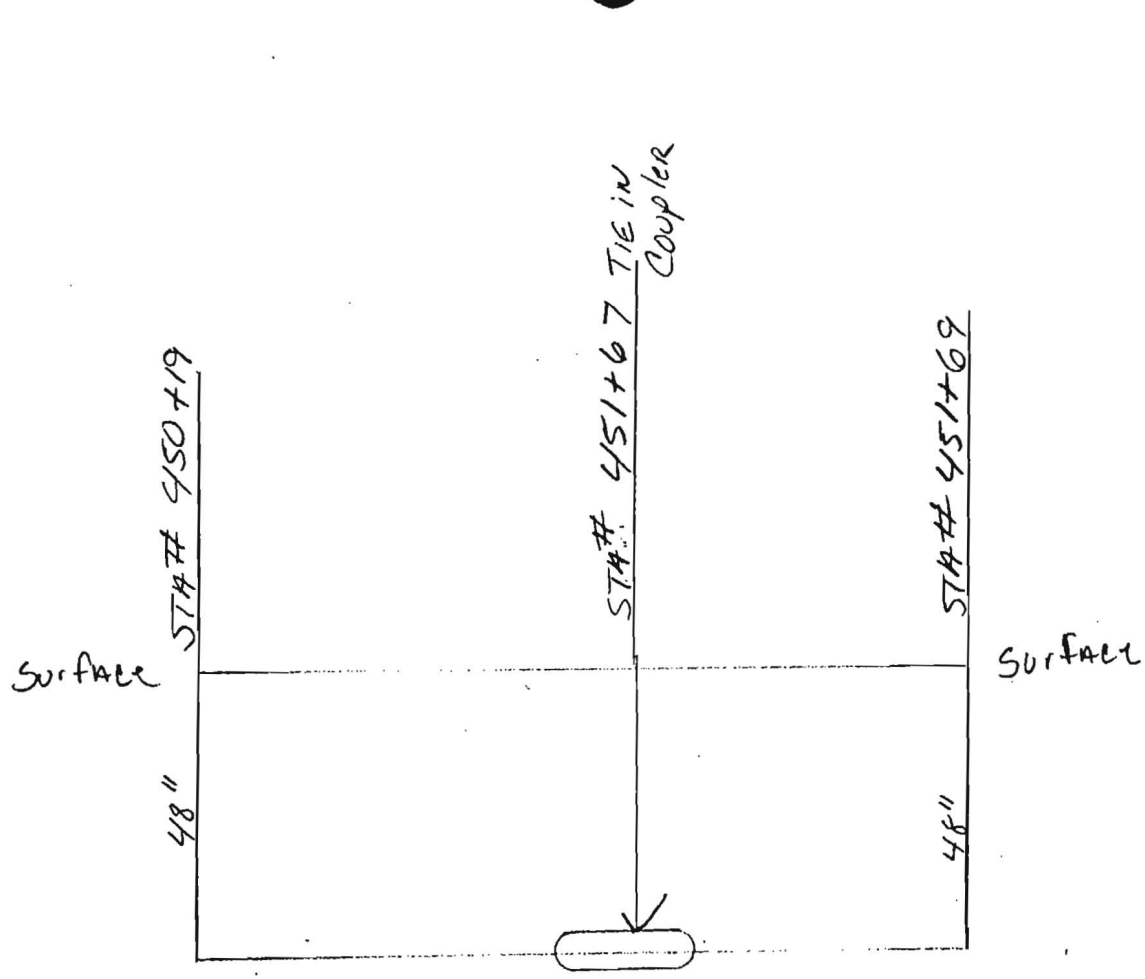


NOTES:
Install Couplers at Tie In

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ - (1) 1¼	Kenny Stricklmnd

CONSTRUCTION AS-BUILT DOCUMENTATION

D:	PROJECT #	ALIGN. SHEET #	
-00	4677	40	3

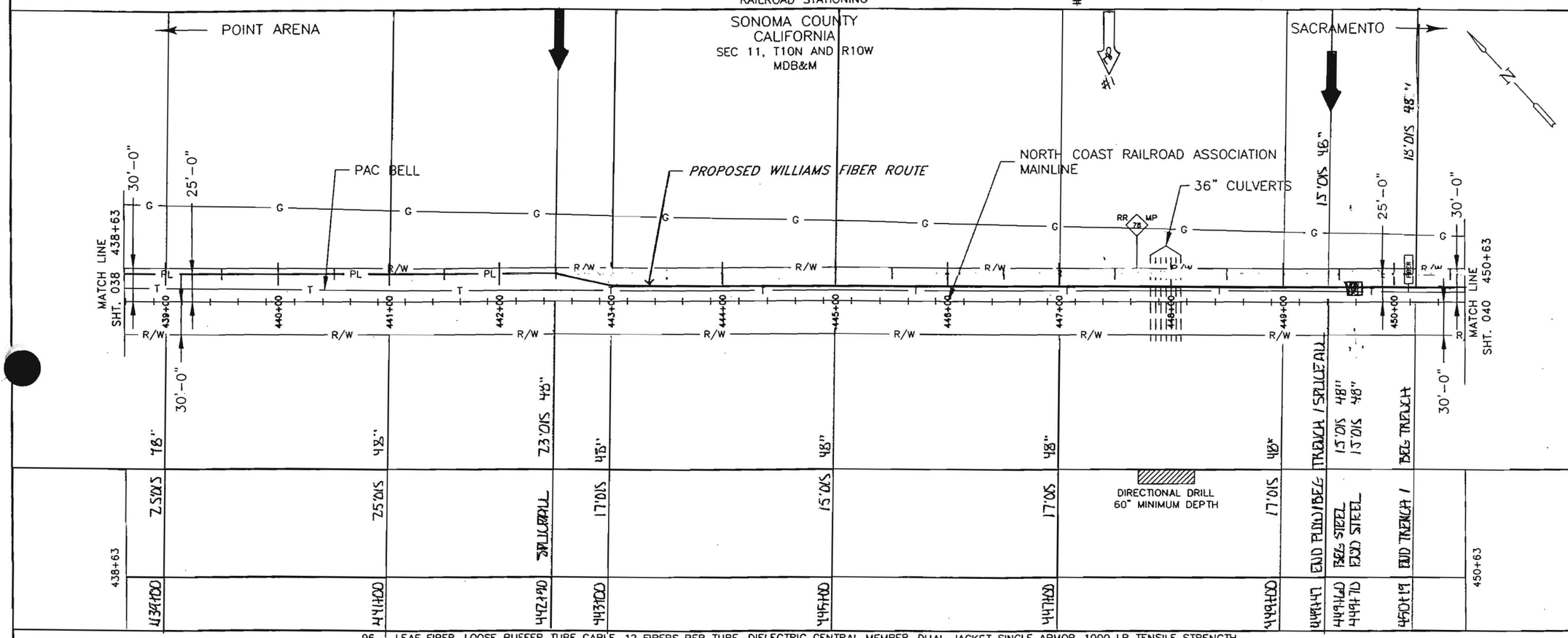


NOTES: Installed 3 couplings (2) 1½ - (1) 1¼

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mccoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Ronny Strickland

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING



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)

50' - STEEL PIPE

438+63	449+60	449+70	450+19
449+60	449+70	450+19	450+63
1097'	10'	49'	44'
1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8.22.00 HEM	1.11 & 1.41 2-1.5" HDPE 1-1.25" HDPE 4" STEEL 8.22.00 HEM K STRICKLAND *449+65* WATER LINE	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8.22.00 HEM	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8.23.00 HEM

IN BLACK 1.25 HDPE
L.12 TO B4 JR SNITS 52.16.01

REV-1

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
1-888-265-2283

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : SAH	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-039-SPRD 4	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow / Trench

SPREAD: 2N

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 8-22-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
417+50	25'0/s	48"	start Plow
418+00	25'0/s	48"	
420+00	25'0/s	48"	
422+00	25'0/s	48"	
424+00	25'0/s	48"	
426+00	25'0/s	48"	
428+00	25'0/s	48"	
430+00	25'0/s	48"	
432+00	25'0/s	48"	
434+00	25'0/s	48"	
436+00	25'0/s	48"	
1966' 436+94	42" 25'0/s	48"	End Plow
438+44	25'0/s	48"	start Plow
439+00	25'0/s	48"	
441+00	25'0/s	48"	
442+50	23'0/s	48"	Coupling (Bill)
443+00	17'0/s	48"	
445+00	15'0/s	48"	
447+00	17'0/s	48"	
449+00	17'0/s	48"	
1103' 449+47	15'0/s	48"	End Plow / Couplings
449+47	15'0/s	48"	start trench
72' 449+65	15'0/s	62" 48"	6" water 20" - T
450+19	18'0/s	52"	End Trench
451+69 451+72	17'0/s	48"	start Plow
452+00	17'0/s	48"	
454+00	17'0/s	48"	
456+00	17'0/s	48"	
458+00	17'0/s	48"	

current as of: 12/7/98

Page__ of__

DAILY TRENCHING: WILLIAMS FIBER ROUTE

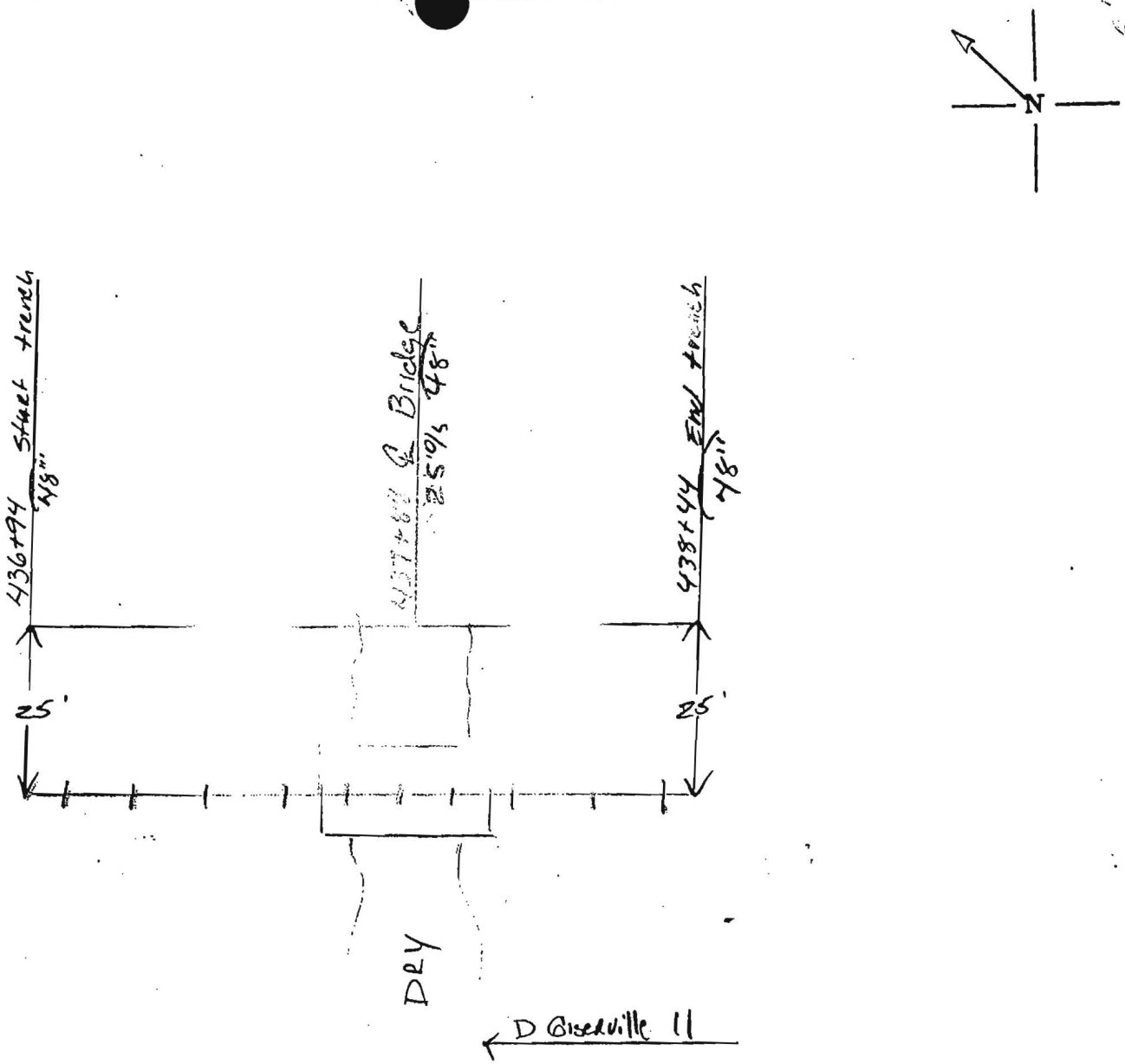
DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
415+00	25'9"	48"		Start trench
416+00	25'9"	48"		
417+40	25'9"	48"		
417+42	25'9"	48"		@ couplings
417+50	25'9"	48"		End trench
436+94	25'9"	48"		Start trench
437+94	25'9"	48"		
438+30	25'9"	48"		@ couplings
438+44	25'9"	48"		End trench

DATE: 10-23-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 35, 3437, 38	PROJECT: EQP1541-14

CONST[illegible]TION AS-BUILT DOCUMENTATION | 1 | [illegible]00 | 99P1541-14 | 30

NEED DAILIES FOR THESE 3 DRAWINGS.



NOTES:	COUNTY	CONTRACTOR
trench trough D Giserville 11 As shown above	Sonoma	Hinkels
	DUCT CONFIGURATION	INSPECTOR
	2-1½ 1-1¼	Kenny Steickland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: PAGE (2) of (2)
Install (3) H.D.P.E.

SPREAD: 3N

CONTRACTOR: Hinkles & Mccoy INSPECTOR: Kenny Strickland DATE: 8-22-00

DWG.:# LOCATION:

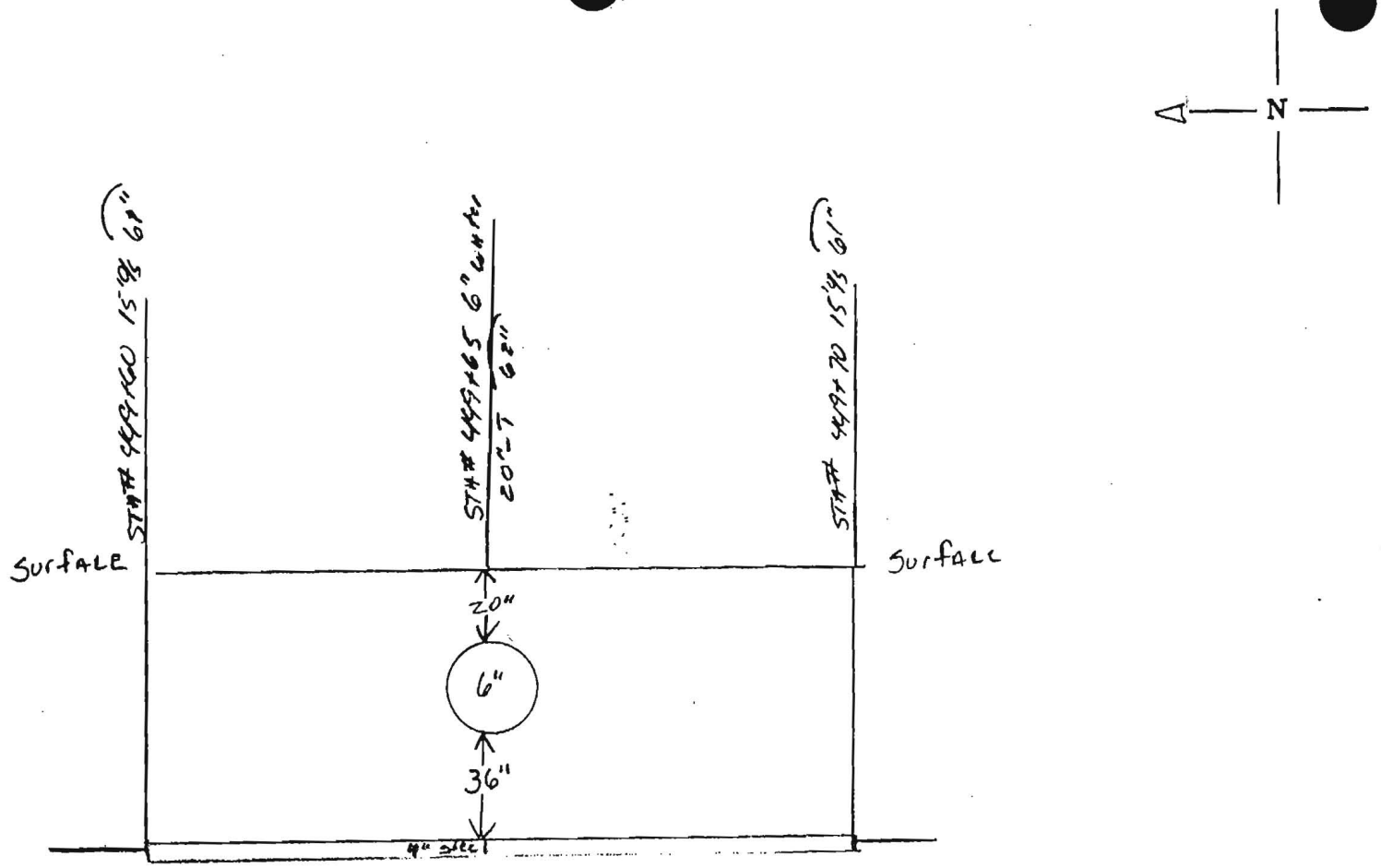
STATION:	OFFSET:	DEPTH:	NOTES:
460+00	23'9/s	48"	
461+00	25'0/s	48"	End Blow

928

current as of: 12/7/98

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #		
8/[illegible]/[illegible]	4877	39	3N



NOTES: Install 10'ft 4" steel under 6" water line

COUNTY: Sonoma

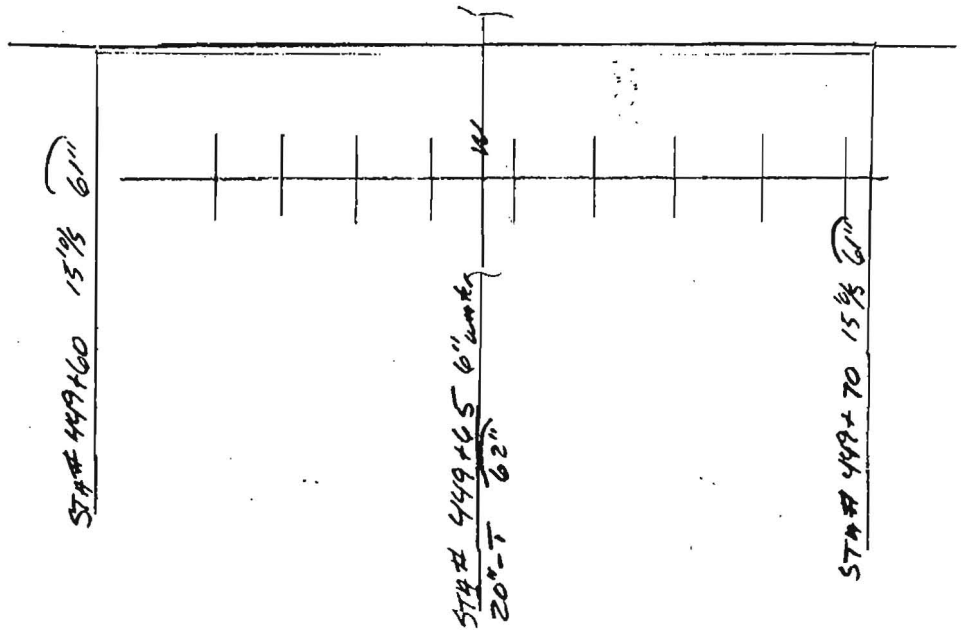
CONTRACTOR: Hinkels & Mccoy

DUCT CONFIGURATION: (2) 1½ (1) 1¼

INSPECTOR: Kenny Strick

CONSTRUCTION AS-BUILT DOCUMENTATION

DAT	00	PROJECT # 4877	39	31



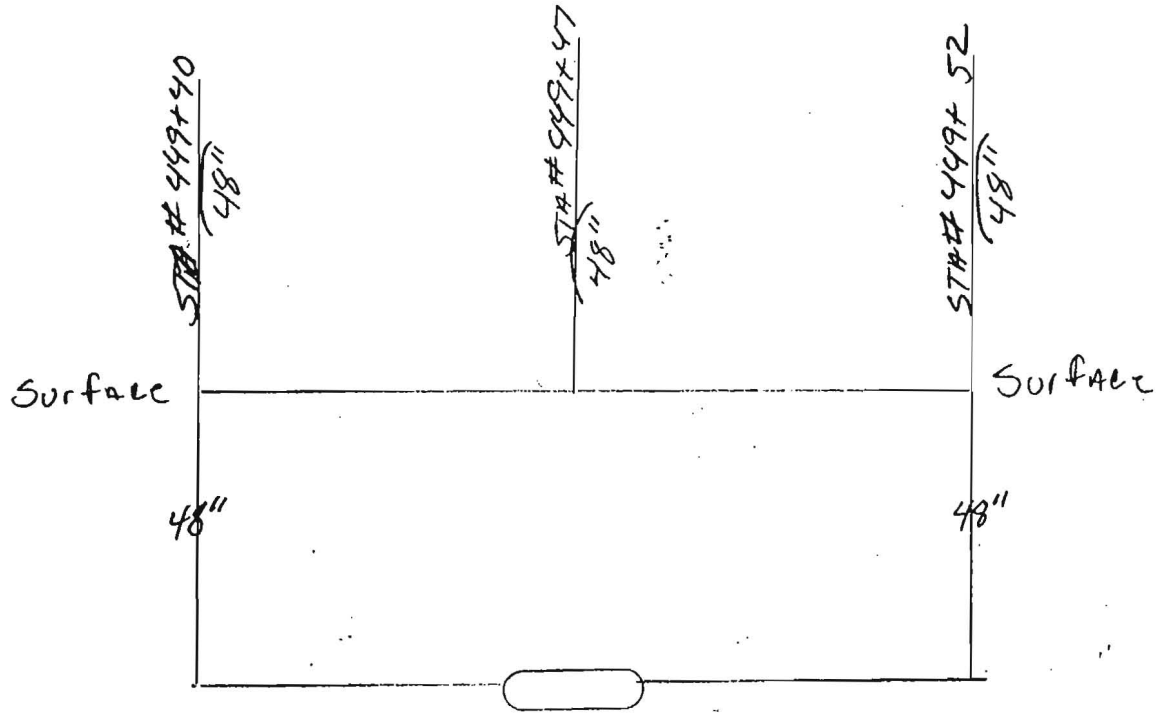
NOTES: Install 4" steel (10" length) under 6" water line

COUNTY	CONTRACTOR
Sonoma	Hinkle & Mecoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DA:			
3-00	4877	38	3

N



NOTES:
Install Couplers at tie IN

COUNTY: Sonoma

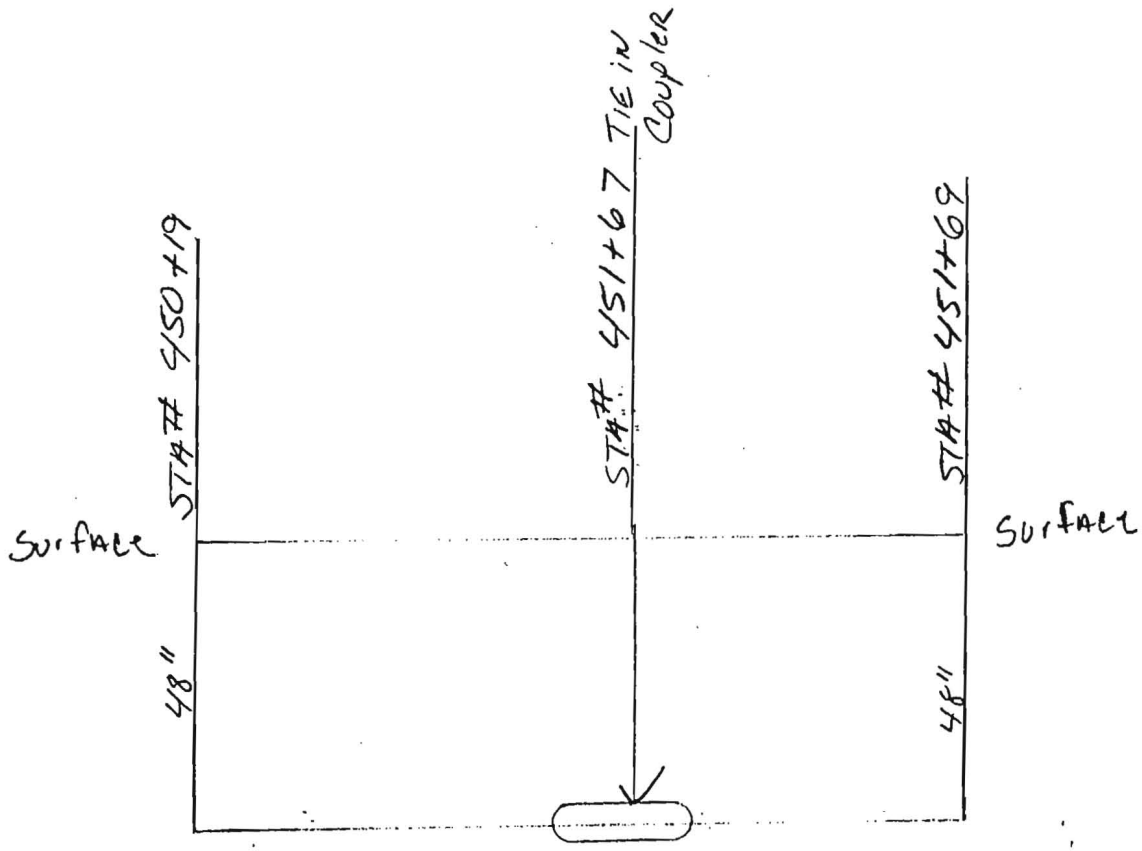
CONTRACTOR: Hinkels & McCoy

DUCT CONFIGURATION: (2) 1½ - (1) 1¼

INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

	-00	4677	40	3



NOTES:
Installed 3 couplings (2) 1½ - (1) 1¼

COUNTY: Sonoma

CONTRACTOR: Hinkels & Mccoy

DUCT CONFIGURATION: (2) 1½ (1) 1¼

INSPECTOR: Ronny Strickland

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

451+77 ROAD SIGN 11' RT [4029+29.2, 15' RT NCRRA]
451+90 FIBER MARKER 14' RT [4029+15.8, 10' RT NCRRA]
451+99 BEGIN STEEL PIPE [4029+06.6 NCRRA]
452+09 CL OF DRIVEWAY [4028+96.4 NCRRA]
452+19 END STEEL PIPE [4028+86.1 NCRRA]
17'OLS 48" THALWEG CROSSING

455+95 MARKER POLE 23'OLS

458+26 FIBER MARKER 14' RT [4022+63.4, 11' RT NCRRA]
458+37 ROAD SIGN 12' RT [4022+52.1, 13' RT NCRRA]
458+55 CL OF DRIVEWAY [4022+33.7 NCRRA]

461+34 BEGIN STEEL PIPE [4019+47.5 NCRRA]
461+39 WATER LINE [4019+42.3 NCRRA]
461+44 END STEEL PIPE [4019+37.2 NCRRA]
25'OLS 48" THALWEG CROSSING

461+87 POWER POLE 11' RT [4018+93.1, 14' RT NCRRA]

RAILROAD STATIONING

POINT ARENA ← | → SACRAMENTO

SONOMA COUNTY
CALIFORNIA
SEC 12, T10N AND R10W
MDB&M

WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

CL GRAVEL DRIVEWAY
ABANDONED ROAD CUT
W/ NO STEEL PIPE

PAC BELL

CL GRAVEL DRIVEWAY

CULVERT

TRENCH
42" MINIMUM DEPTH

HAND DIG
42" MINIMUM DEPTH

MATCH LINE SHT. 039 450+63

MATCH LINE SHT. 041 462+63

450+63 | 451+00 | 452+00 | 453+00 | 454+00 | 455+00 | 458+00 | 457+00 | 458+00 | 459+00 | 460+00 | 461+00 | 462+00 | 462+63

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)

20' – STEEL PIPE

10' – STEEL PIPE

450+63 / 451+69	451+69 / 461+00	461+00 / 461+29	461+29 / 461+39	461+39 / 461+44	461+44 / 462+63
106'	931'	29'	10'	5'	119'
1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8_23_00 HDM	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8.22.00 HDM	1.11 2-1.5" HDPE 1-1.25" HDPE K_STRICKLAND 8_23_00 HDM	1.1191.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND HDM *461734 & WATER-LINE VALVE	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8_23_00 HDM	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8_23_00 HDM

IN BLACK 1.25 HDPE
6.12 PD BY JR SMITS 5.16.01

REV-1

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
- 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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 10 STEEL PIPE	
FUTURE-2	FUTURE UNIT PLACE
FUTURE-3	
FUTURE-4	

Williams COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : SAH	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-040-SPRD 4	

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow / Trench

SPREAD: 2N

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 8-22-00

DWG.:# LOCATION:

	STATION:	OFFSET:	DEPTH:	NOTES:
	417+50	25'0/s	48"	start plow
	418+00	25'0/s	48"	
	420+00	25'0/s	48"	
	422+00	25'0/s	48"	
	424+00	25'0/s	48"	
	426+00	25'0/s	48"	
	428+00	25'0/s	48"	
	430+00	25'0/s	48"	
	432+00	25'0/s	48"	
	434+00	25'0/s	48"	
	436+00	25'0/s	48"	
1966'	436+94	42" 25'0/s	42"	End plow
	438+44	25'0/s	48"	start plow
	439+00	25'0/s	48"	
	441+00	25'0/s	48"	
	442+50	23'0/s	48"	Coupling (BIK)
	443+00	17'0/s	48"	
	445+00	15'0/s	48"	
	447+00	17'0/s	48"	
	449+00	17'0/s	48"	
1103'	449+47	15'0/s	48"	End plow / Couplings
	449+47	15'0/s	48"	start trench
72'	449+65	15'0/s	62" 48"	6" water 20" - T
	450+19	18'0/s	52"	End Trench
451+69	~~451+72~~	17'0/s	48"	start plow
	452+00	17'0/s	48"	
	454+00	17'0/s	48"	
	456+00	17'0/s	48"	
	458+00	17'0/s	48"	

current as of: 12/7/98

Page__of__

DAILY TRENCHING: WILLIAMS FIBER ROUTE

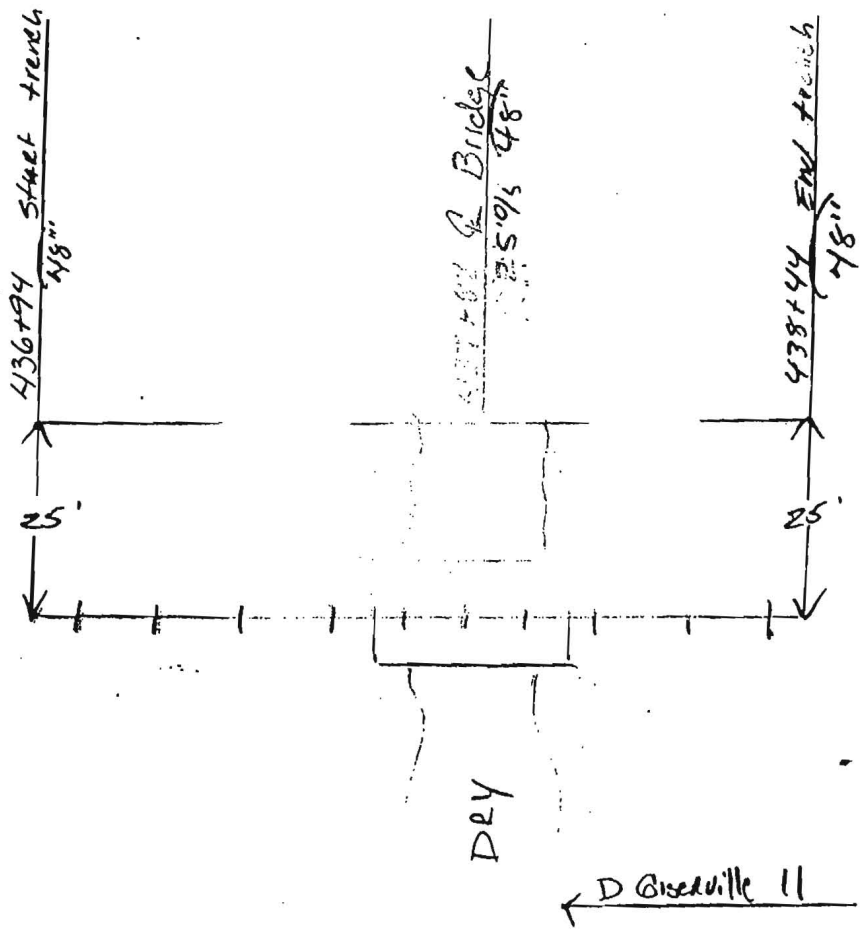
DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
415+00	25' 0"	48"		Start trench
416+00	25' 0"	48"		
417+40	25' 0"	48"		
417+42	25' 0"	48"		@ couplings
417+50	25' 0"	48"		End trench
436+94	25' 0"	48"		Start trench
437+94	25' 0"	48"		
438+30	25' 0"	48"		@ couplings
438+44	25' 0"	48"		End trench

DATE: 10-23-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 35, 3437, 38	PROJECT: ESP1541-14

CONSTRUCTION AS-BUILT DOCUMENTATION

NEED DRIVES FOR THESE 3 DRAWINGS.



NOTES:
French trough D Giserville II As shown above

COUNTY: Sonoma
CONTRACTOR: Hinkels
DUCT CONFIGURATION: 2-1 1/2 1-1 1/4
INSPECTOR: Kenny Steickland

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: PAGE (2) of (2)
Install (3) H.D.P.E.

SPREAD: 3N

CONTRACTOR: Hinkles & Mccoy INSPECTOR: Kenny Strickland DATE: 8-22-00

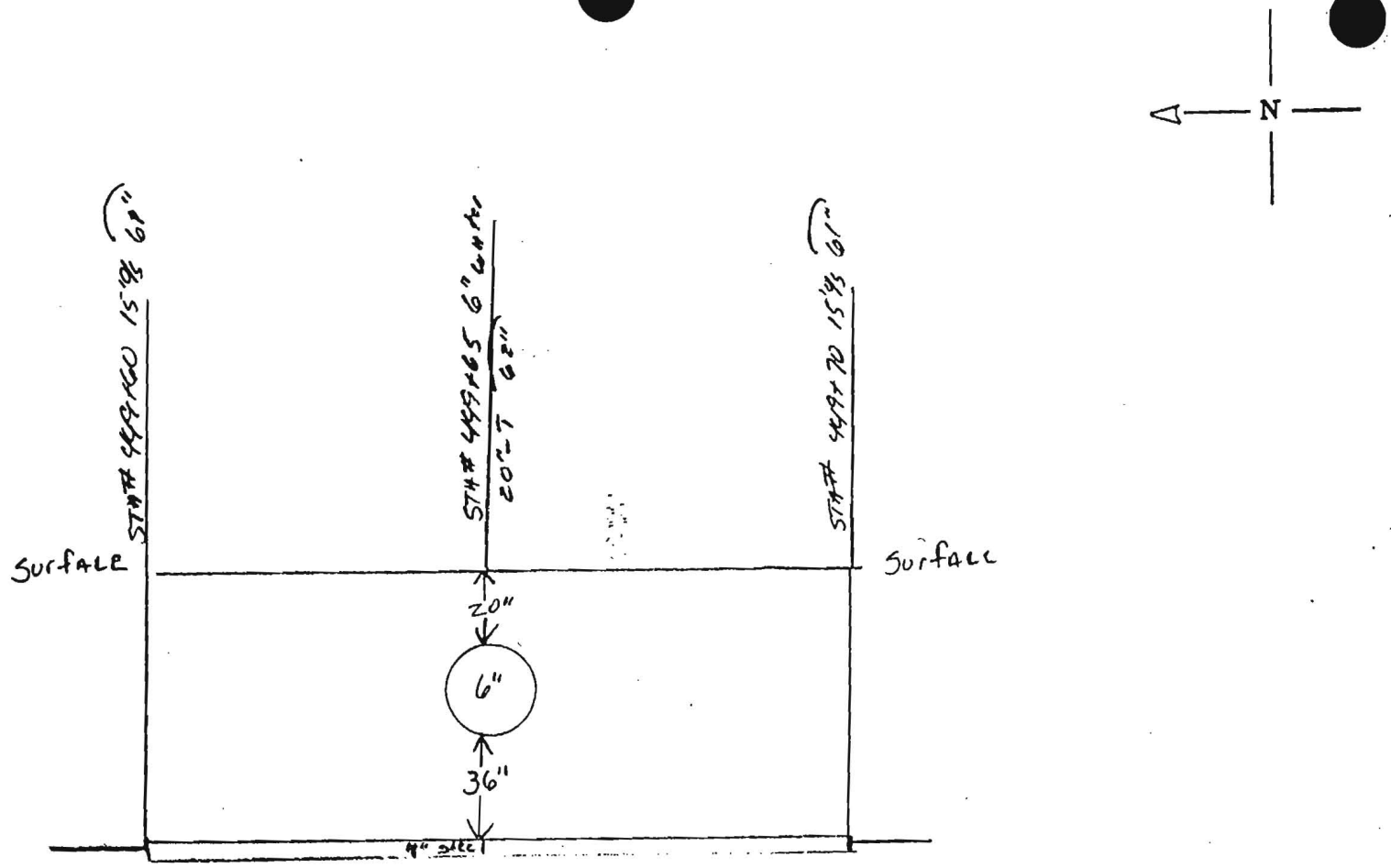
DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
460+00	23'0/s	48"	
461+00	25'0/s	48"	End Plow

928

CONSTRUCTION AS-BUILT DOCUMENTATION

8-		4877	37

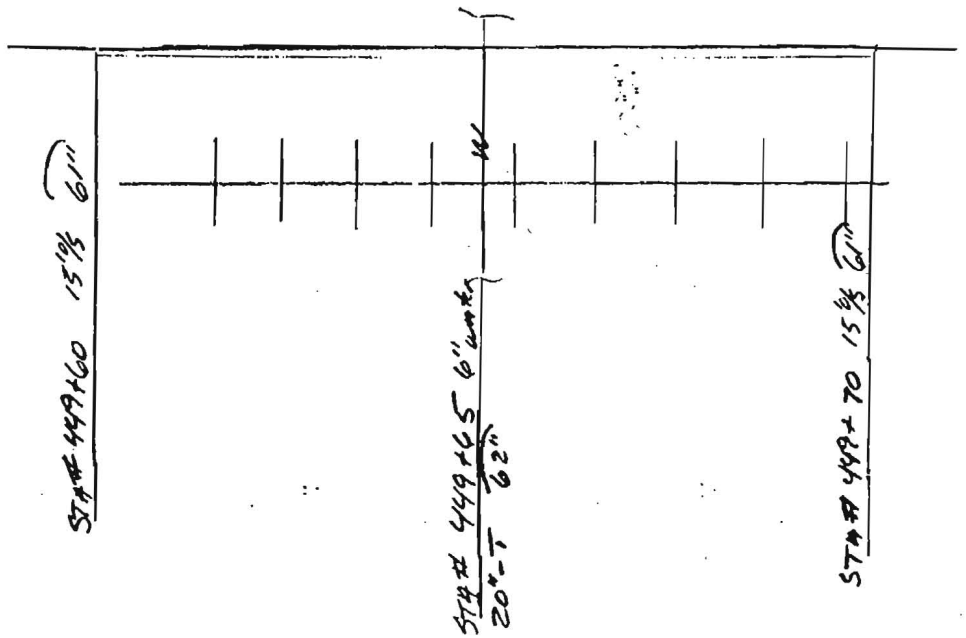


NOTES: Install 10'if 4" steel under 6" water line

COUNTY: Sonoma	CONTRACTOR: Hinkels & Mccoy
DUCT CONFIGURATION: (2) 1½ (1) 1¼	INSPECTOR: Kenny Strick

CONST[illegible]CTION AS-BUILT DOCUMENTATION

[illegible]	00	4877	39	[illegible]

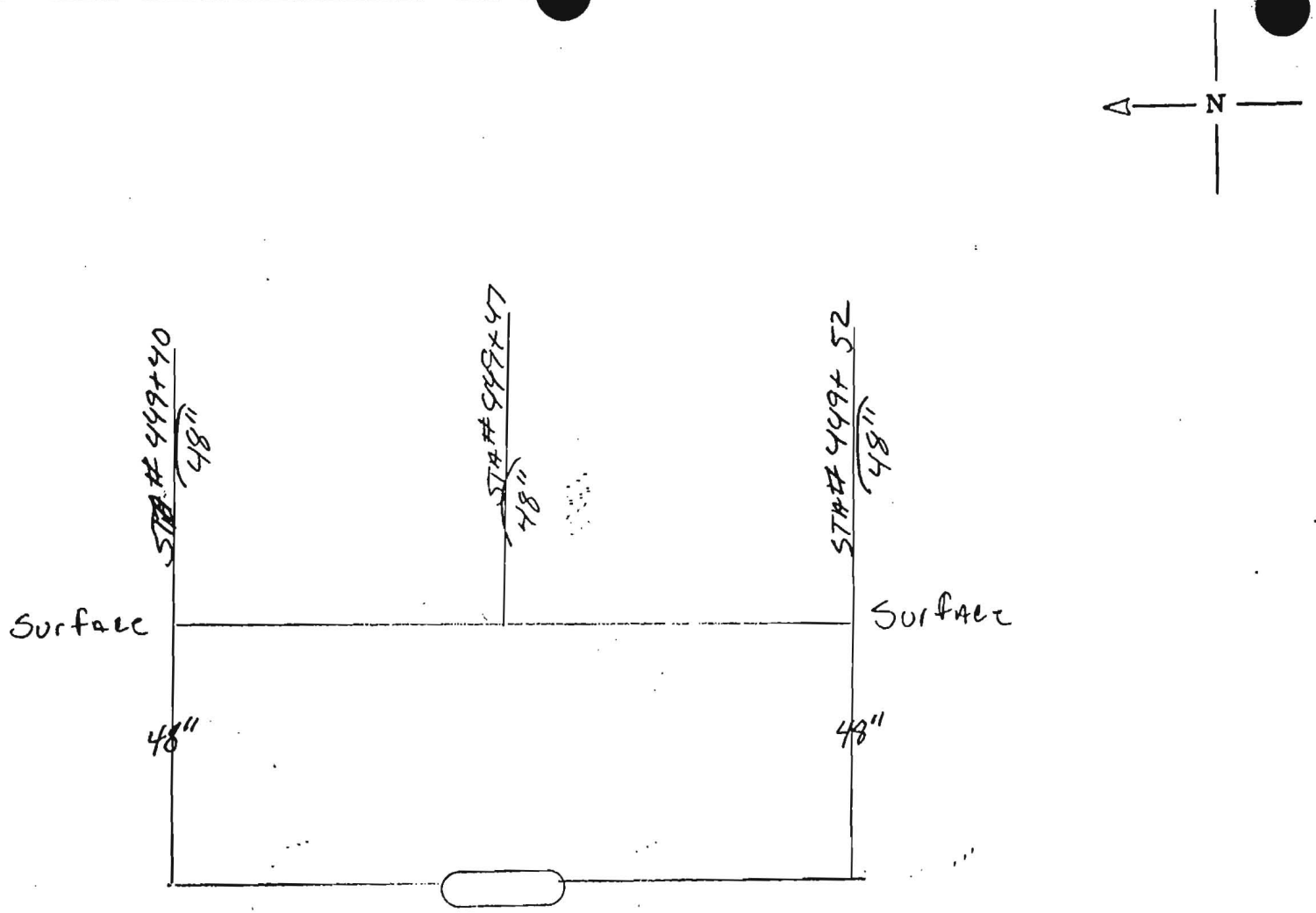


NOTES: Install 4" Steel (10" length) under 6" water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mecoy
DUCT CONFIGURATION	INSPECTOR
(2) 1 1/2 [illegible] 1 1/4	Kenny Stri[illegible] [illegible]and

CONSTRUCTION AS-BUILT DOCUMENTATION

3-00	4877	3'8	2'



NOTES:
Install couplers at tie in

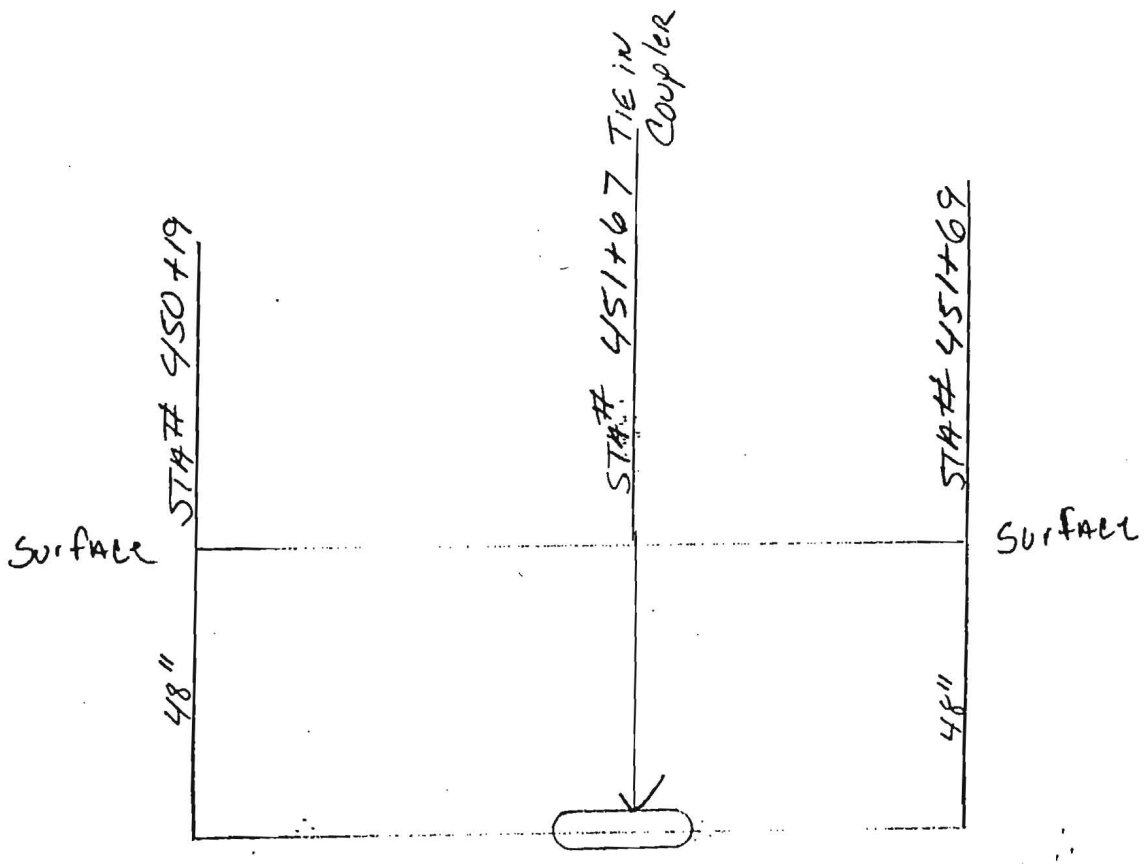
COUNTY: Sonoma

CONTRACTOR: Hinkels & McCoy

DUCT CONFIGURATION: (2) 1½ - (1) 1¼

INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION



NOTES: Installed 3 couplings (2) 1½ - (1) 1¼

COUNTY: Sonoma

CONTRACTOR: Hinkels & Mccoy

DUCT CONFIGURATION: (2) 1½ (1) 1¼

INSPECTOR: Ronny Strickland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:

SPREAD: 3W

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 8-23-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
450+19	18'0/s	48"	Start trench
451+67	18'0/s	48"	~~End Trench~~ TIE IN
451+69	18'0/s	48"	~~TIE IN Coupling~~ END Trench
461+00	25'0/s	48"	Start Trench
461+34	25'0/s	70"	2" water 34'LT
461+42	25'0/s	60~~56~~"	TIE IN Couplings
461+44	25'0/s	30"	END Trench
461+44	25'0/s	48"	Start Plow
462+00	25'0/s	48"	
464+00	25'0/s	48"	
466+00	25'0/s	48"	
468+00	25'0/s	48"	
470+00	25'0/s	48"	
472+00	25'0/s	48"	
474+00	25'0/s	48"	END Plow
475+24	20'0/s	48"	Start Plow
476+00	20'0/s	48"	
478+00	20'0/s	48"	
480+00	20'0/s	48"	
482+00	20'0/s	48"	
484+00	20'0/s	48"	
486+00	20'0/s	48"	
487+00	20'0/s	48"	End Plow
474+00	~~20'0/s~~ 25'	60~~48~~"	Start trench
474+22	20'0/s	72~~48~~"	2" water line 34-T
475+04	20'0/s	72~~48~~"	6" water line 36-T
475+18	20'0/s	60~~48~~"	TIE IN
475+24	20'0/s	72"	End Trench

Williams

Williams Project

POINT ARENA TO SACRAMENTO
CABLE ROUTE

As-Built Information

DESCRIPTION: PAGE (2) of (2)
Install (3) H.D.P.E.

SPREAD: 3N

CONTRACTOR: Hinkles & Meeny INSPECTOR: Kenny Strickland DATE: 8-22-00

DWG.:# LOCATION:

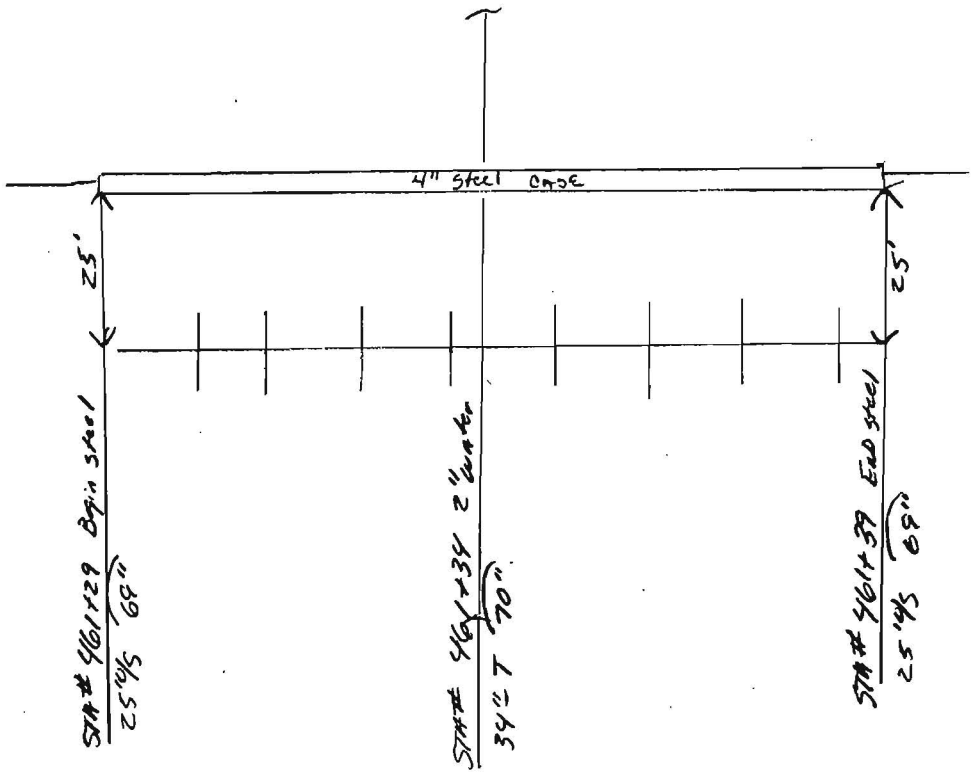
STATION:	OFFSET:	DEPTH:	NOTES:
460+00	23'0/s	48"	
461+00	25'0/s	48"	End Plow

928

CONSTRUCTION AS-BUILT DOCUMENTATION

D	PROJECT #	ALIGN. SHEET #	SPREAD #
8 -00	4877	40	3N

N

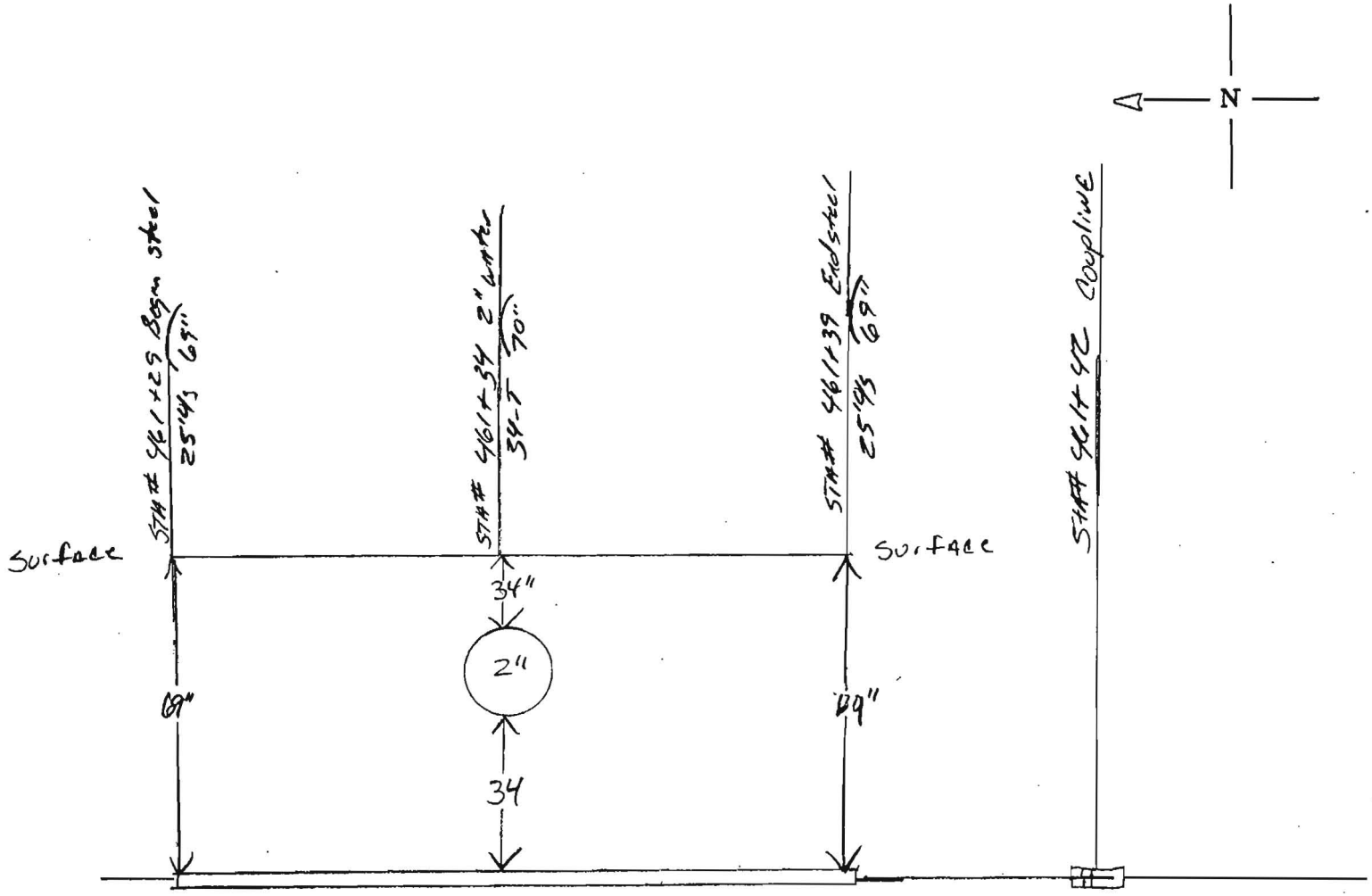


NOTES: Install 101 4" steel case under 2" water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mccoy
DUCT CONFIGURATION	INSPECTOR
(2) 1 1/2 (1) 1 1/4	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

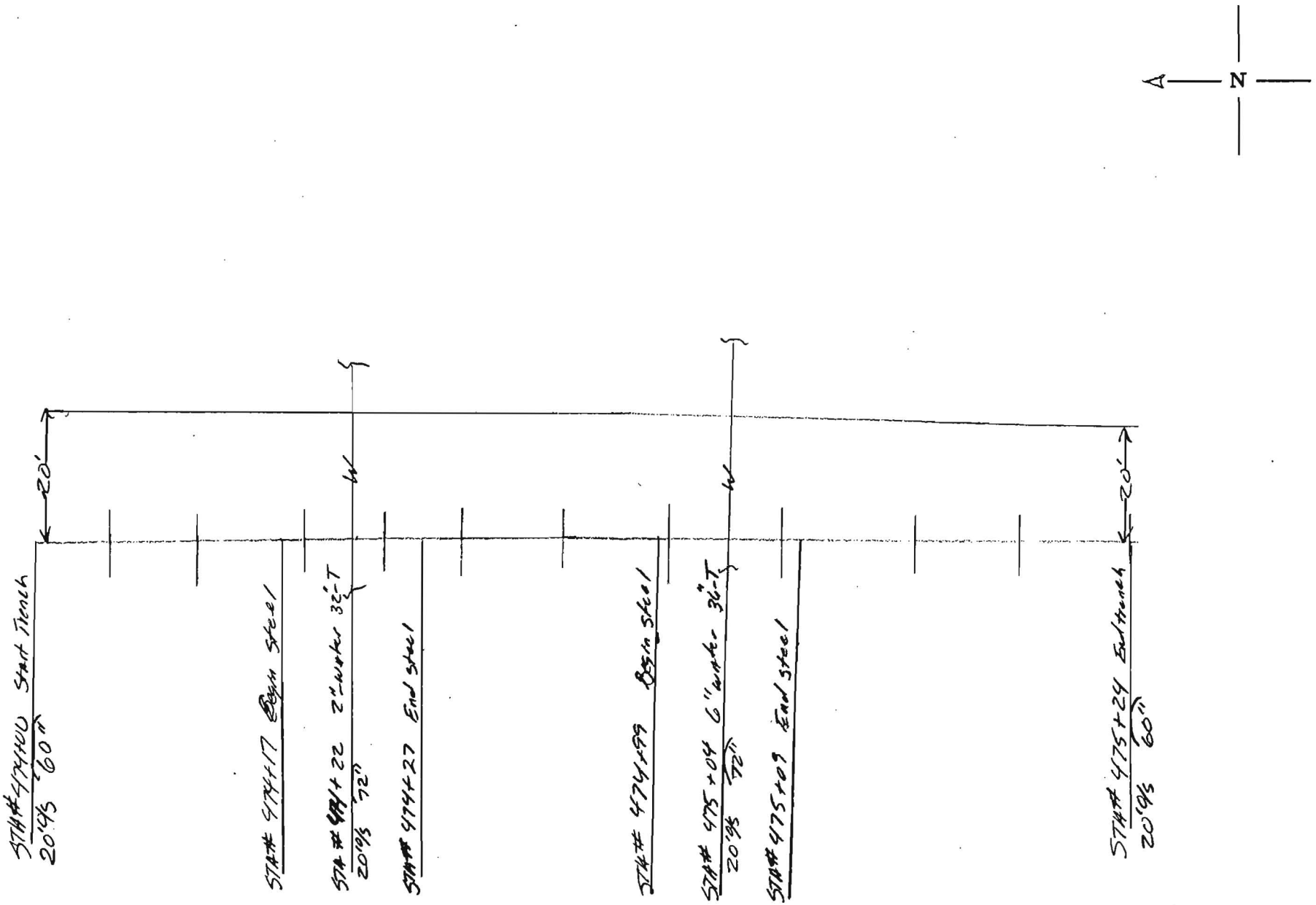
D	PROJECT #	ALIGN. SHEET #	SPREAD #
-00	4877	40	3



NOTES:	COUNTY	CONTRACTOR
Install 10' 4" steel casing under water line	Sonoma	Hinkels & Mccoy
	DUCT CONFIGURATION	INSPECTOR
	(2) 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

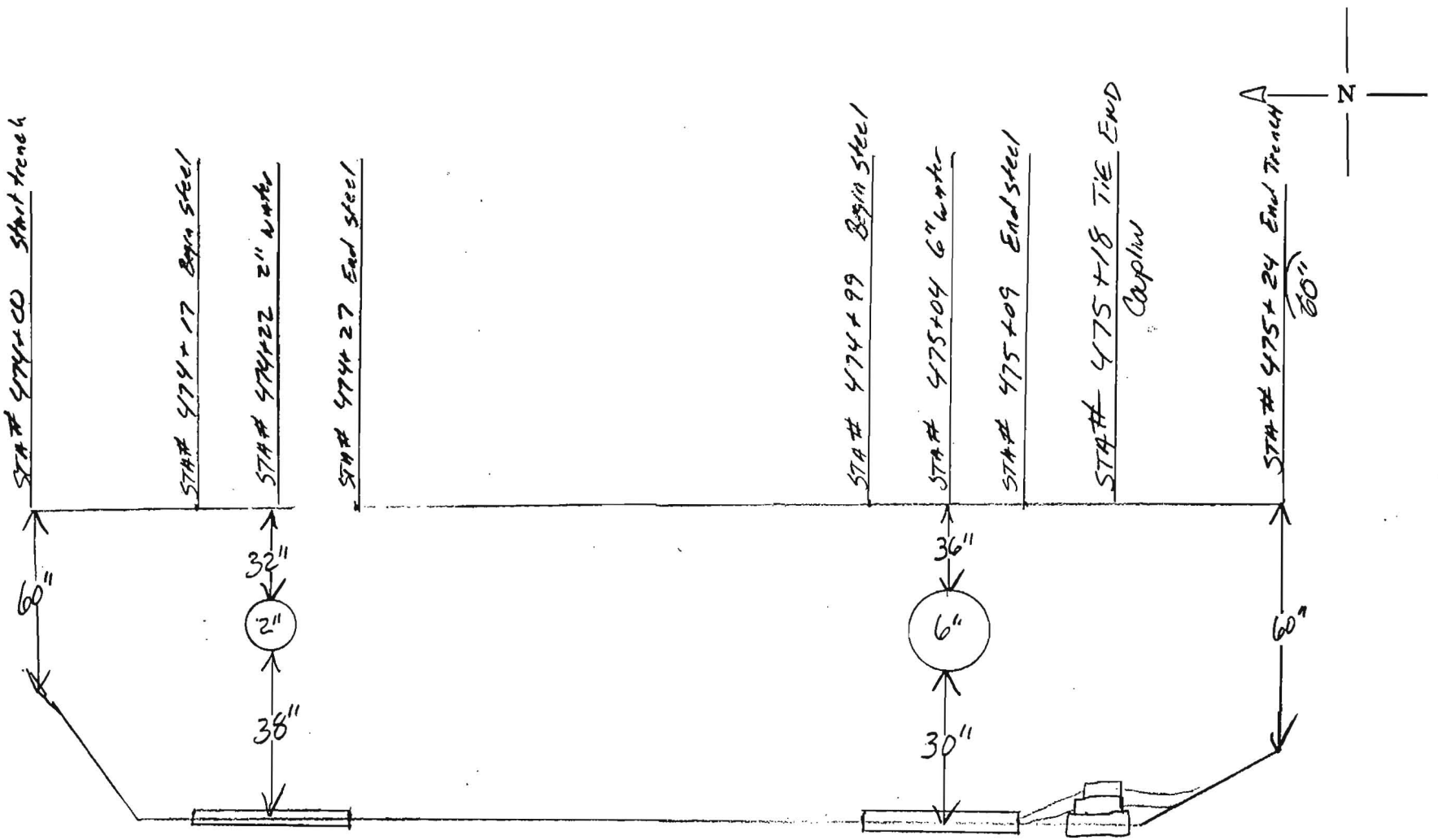
D/	PROJECT #	ALIGN. SHEET #	SPREAD #
-00	4877	41	3N



NOTES:	COUNTY	CONTRACTOR
Install 10' 4" steel base under water lines	Sonoma	Hinkels & Mccoy
	DUCT CONFIGURATION	INSPECTOR
	(2) 1 1/2 (1) 1 1/4	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DI	PROJECT #	ALIGN. SHEET #	SPREAD #
[redacted]3-00	4877	41	31



NOTES: Install 10' 4" Steel Case under water line

COUNTY: Sonoma

CONTRACTOR: Hinkels & Mccoy

DUCT CONFIGURATION: (2) 1½ (1) 1¼

INSPECTOR: Kenny Strickland

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

463+95 MARKER POST 74'DIS

465+37 POWER POLE 18' RT [4015+34.0, 15' RT NCRRA]

467+78 FIBER MARKER 14' RT [4012+86.8, 10' RT NCRRA]
467+88 ROAD SIGN 13' RT [4012+76.6, 11' RT NCRRA]
467+96 CL OF DRIVEWAY [4012+68.3 NCRRA]

471+95 MARKER POST 74'DIS

474+17 BEGIN STEEL PIPE [4008+31.3 NCRRA]
474+22 WATER LINE [4008+26.2 NCRRA]
474+27 END STEEL PIPE [4008+21.6 NCRRA]

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 13, T10N AND R10W
MDB&M

SACRAMENTO

#1

#2

WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

PAC BELL

CL GRAVEL DRIVEWAY ABANDONED CUT W/ NO STEEL

MATCH LINE SHT. 040 462+63

MATCH LINE SHT. 042 474+63

30'-0" 25'-0" PL R/W G T X

463+00 464+00 465+00 466+00 467+00 468+00 469+00 470+00 471+00 472+00 473+00 474+00

48" 25'DIS 46'HDD

END STEEL

HAND DIG 42" MINIMUM DEPTH

END STEEL

REC TREE 70'DIS 72"

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

10' – STEEL PIPE

462+63	474+00	474+17	474+27
474+00	474+17	474+27	474+63
1137'	17'	10'	36'
1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8.23.00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8.23.00 H&M	1.11 & 1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8.23.00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8.23.00 H&M

REV-1

IN BLACK 1.25" HDPE
6.12 PD BY JR SMITS 5-16-01
1-6" TRACER WIRE

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./J.C.L.
- 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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : SAH	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-041-SPRD 4	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:

SPREAD: 3W

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Hickland DATE: 8-23-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
450+19	18'0/s	48"	Start trench
451+69	18'0/s	48"	~~End Trench~~ TIE IN
451+69	18'0/s	48"	~~TIE IN Coupling~~ END Trench
461+00	25'0/s	48"	Start Trench
461+34	25'0/s	70"	2" water 34"LT
461+42	25'0/s	60~~56~~"	TIE IN Couplings
461+44	25'0/s	30"	End Trench
461+44	25'0/s	48"	Start Plow
462+00	25'0/s	48"	
464+00	25'0/s	48"	
466+00	25'0/s	48"	
468+00	25'0/s	48"	
470+00	25'0/s	48"	
472+00	25'0/s	48"	
474+00	25'0/s	48"	END Plow
475+24	20'0/s	48"	Start Plow
476+00	20'0/s	48"	
478+00	20'0/s	48"	
480+00	20'0/s	48"	
482+00	20'0/s	48"	
484+00	20'0/s	48"	
486+00	20'0/s	48"	
487+00	20'0/s	48"	End Plow
474+00	~~20~~ 0/s 25'	60 ~~48~~"	Start trench
474+22	20'0/s	72 ~~48~~"	2" water line 34-T
475+04	20'0/s	72 ~~48~~"	16" water line 36-T
475+18	20'0/s	60 ~~48~~"	TIE IN
475+24	20'0/s	72"	End Trench

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: PAGE (2) of (2)
Install (3) H.D.P.E.

SPREAD: 3N

CONTRACTOR: Hinkles & Mccoy INSPECTOR: Kenny Strickland DATE: 8-22-00

DWG.:# LOCATION:

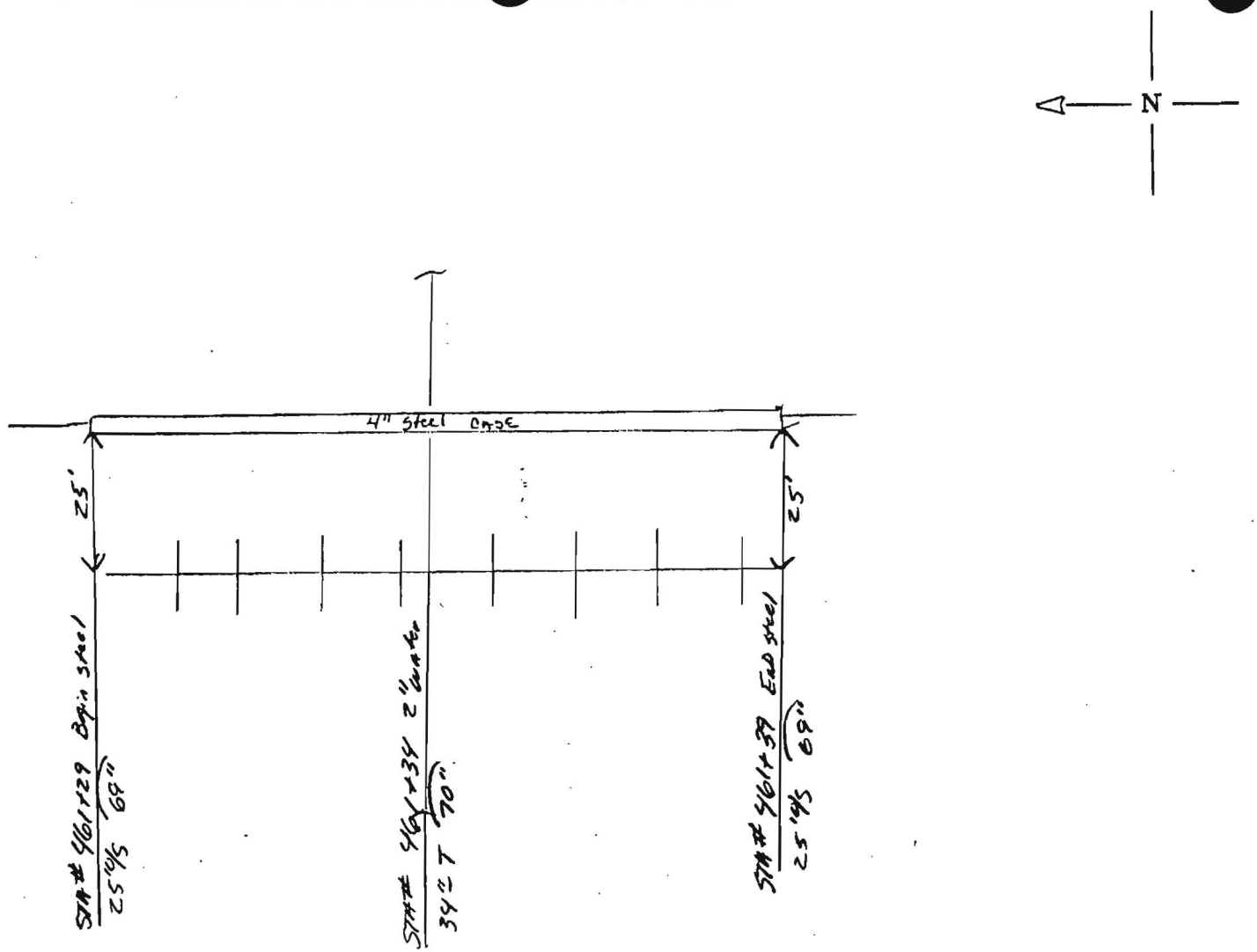
STATION:	OFFSET:	DEPTH:	NOTES:
460+00	23'0/s	48"	
461+00	25'0/s	48"	End Plow

928

current as of:12/7/98

CONST[illegible]CTION AS-BUILT DOCUMENTATION

D	PROJECT #	ALIGN. SHEET #	SPREAD #
8[illegible]-00	4877	40	3N[illegible]

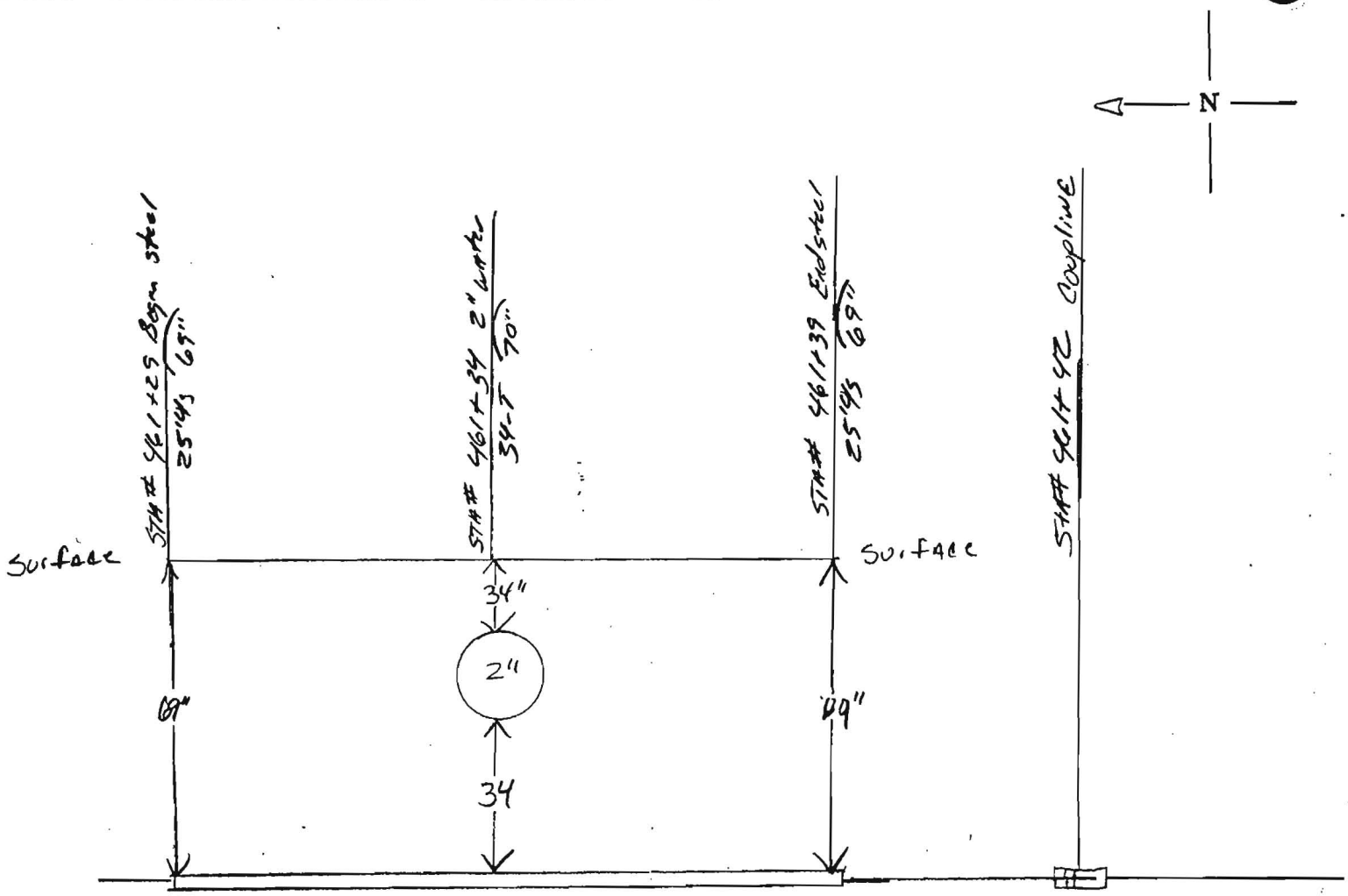


NOTES: Install 10' 4" steel case under 2" water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mccoy
DUCT CONFIGURATION	**INSPECTOR**
(2) 1 1/2 (1) 1 1/4	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	ALIGN. SHEET #	SPREAD #
[redacted]-00	4877	40	3



NOTES:
Install 10' 4" steel base under water line

COUNTY
Sonoma

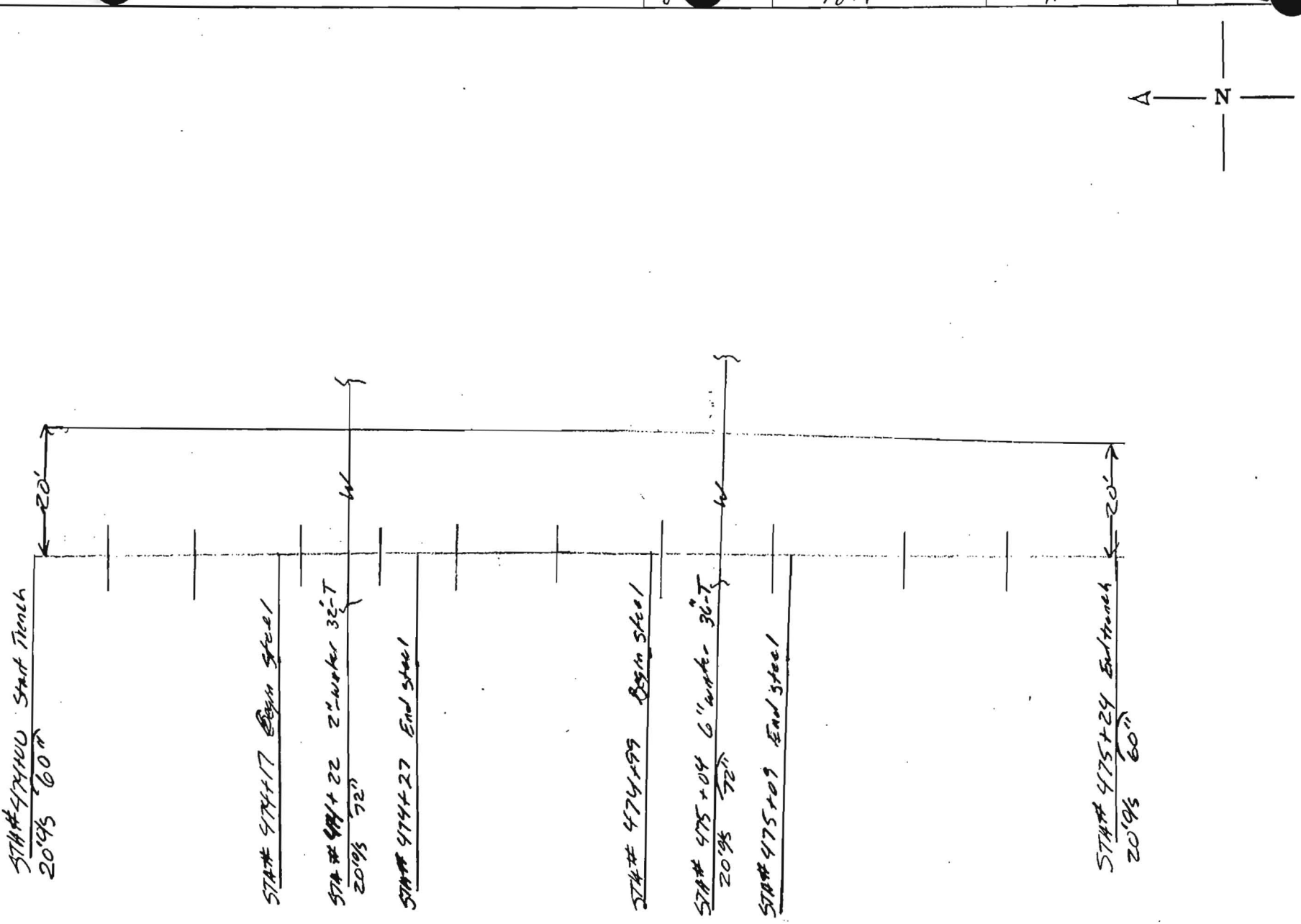
DUCT CONFIGURATION
(2) 1½ (1) 1¼

CONTRACTOR
Hinkels & Mccoy

INSPECTOR
Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

D/	PROJECT #	ALIGN. SHEET #	SPREAD #
8[illegible]00	4877	41	3N



NOTES:
Install 10' 4" steel base under water lines

COUNTY: Sonoma

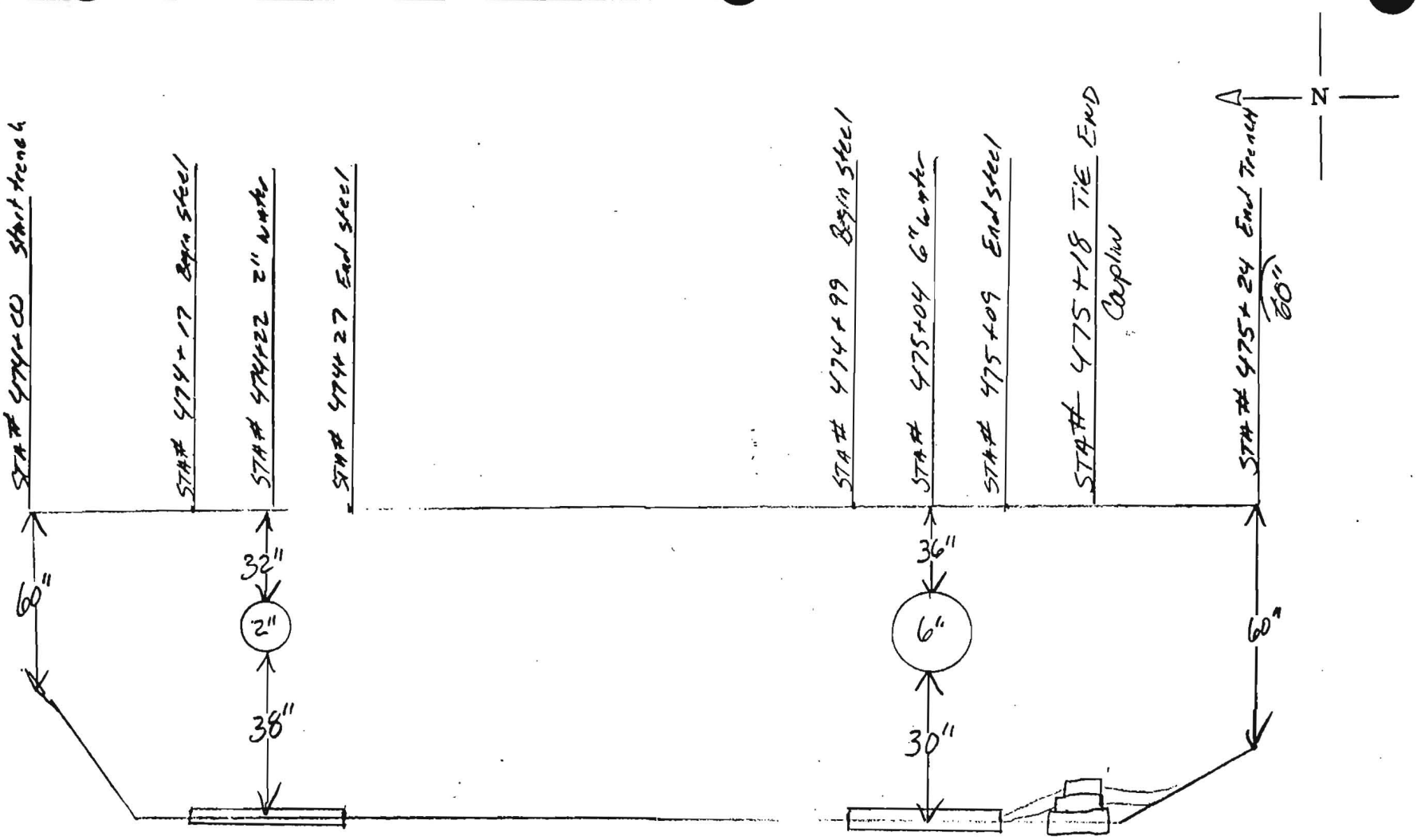
DUCT CONFIGURATION: (2) 1 1/2 (1) 1 1/4

CONTRACTOR: Hinkels & McCoy

INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DI	PROJECT #	ALIGN. SHEET #	SHEET #
6-00	4877	41	31



NOTES:
Install 10' 4" Steel Case Under Water line

COUNTY
Sonoma

DUCT CONFIGURATION
(2) 1½ (1) 1¼

CONTRACTOR
Hinkels & Mccoy

INSPECTOR
Kenny Strickland

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 13, T10N AND R10W
MDB&M

SACRAMENTO

PROPOSED WILLIAMS FIBER ROUTE

PAC BELL

CL GRAVEL DRIVEWAY

NORTH COAST RAILROAD ASSOCIATION
MAINLINE

MATCH LINE
SHT. 041
474+63

MATCH LINE
SHT. 043
486+63

30'-0"

25'-0"

30'-0"

72'

ZD'DIS

48"

HAND DIG
42" MINIMUM DEPTH

TRENCH/HAND DIG
42" MINIMUM DEPTH

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)

10' – STEEL PIPE

40' – STEEL PIPE

474+63	474+99	475+09	475+24
474+99	475+09	475+24	486+63
36'	10'	15'	1139'
1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8_23_00 H&M	1.11 & 1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8_23_00 H&M 475+04 ± WATER LINE XING IN BLACK 1.25" HDPE 6.12 TD BY JR SMITS 5_16_01	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8_23_00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8_23_00 H&M

REV-1

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.L.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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : SAH	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-042-SPRD 4	

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:

SPREAD: 3W

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 9-23-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
450+19	18'0/s	48"	Start trench
451+67	18'0/s	48"	~~End trench~~ TIE IN
451+69	18'0/s	48"	~~TIE for Coupling~~ END Trench
461+00	25'0/s	48"	Start Trench
461+34	25'0/s	70"	2" water 39'LT
461+42	25'0/s	60~~58~~"	TIE IN Couplings
461+44	25'0/s	30"	END Trench
461+44	25'0/s	48"	Start Plow
462+00	25'0/s	48"	
464+00	25'0/s	48"	
466+00	25'0/s	49"	
468+00	25'0/s	48"	
470+00	25'0/s	48"	
472+00	25'0/s	49"	
474+00	25'0/s	48"	END Plow
475+24	20'0/s	48"	Start Plow
476+00	20'0/s	48"	
478+00	20'0/s	48"	
480+00	20'0/s	49"	
482+00	20'0/s	48"	
484+00	20'0/s	48"	
486+00	20'0/s	48"	
487+00	20'0/s	49"	End Plow
474+00	~~20'0/s~~ 25'	60~~48~~"	start trench
474+22	20'0/s	72~~48~~"	2" water line 34-T
475+04	20'0/s	72~~48~~"	16" water line 36-T
475+18	20'0/s	60~~48~~"	TIE IN
475+24	20'0/s	72"	End Trench

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: PAGE (2) of (2)
Install (3) H.D.P.E.

SPREAD: 3N

CONTRACTOR: Hinkles & Meeny INSPECTOR: Kenny Strickland DATE: 8-22-00

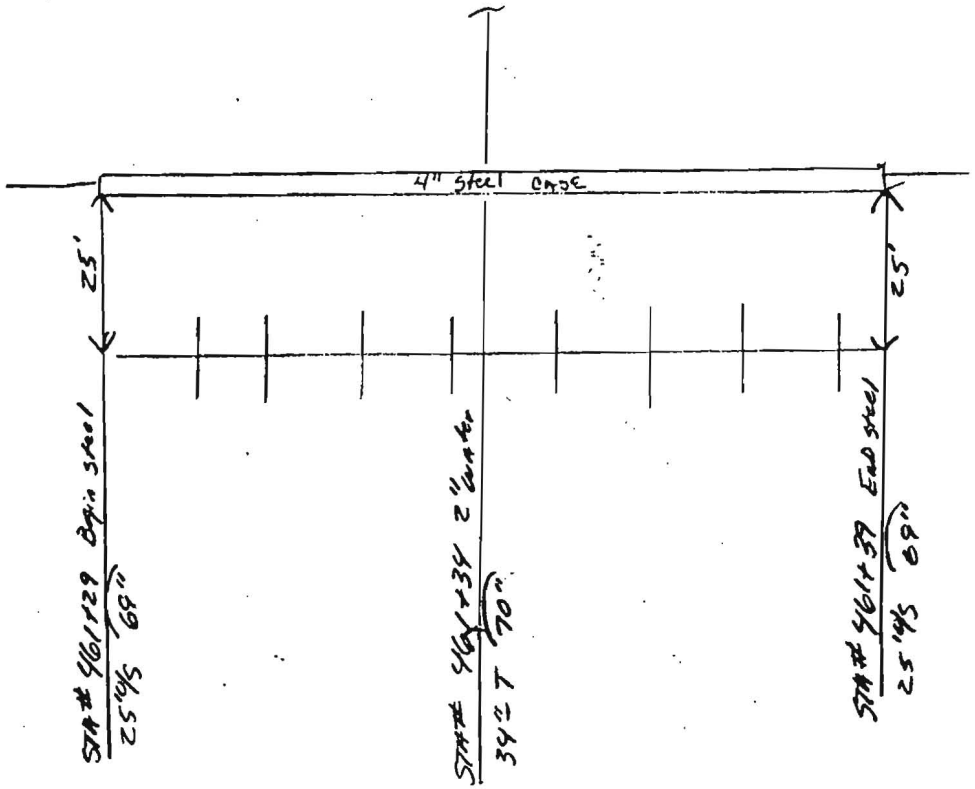
DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
460+00	23'0/s	4/4"	
461+00	25'0/s	48"	End Blow

928

CONSTRUCTION AS-BUILT DOCUMENTATION

[illegible]	PROJECT # 4877	40	3N

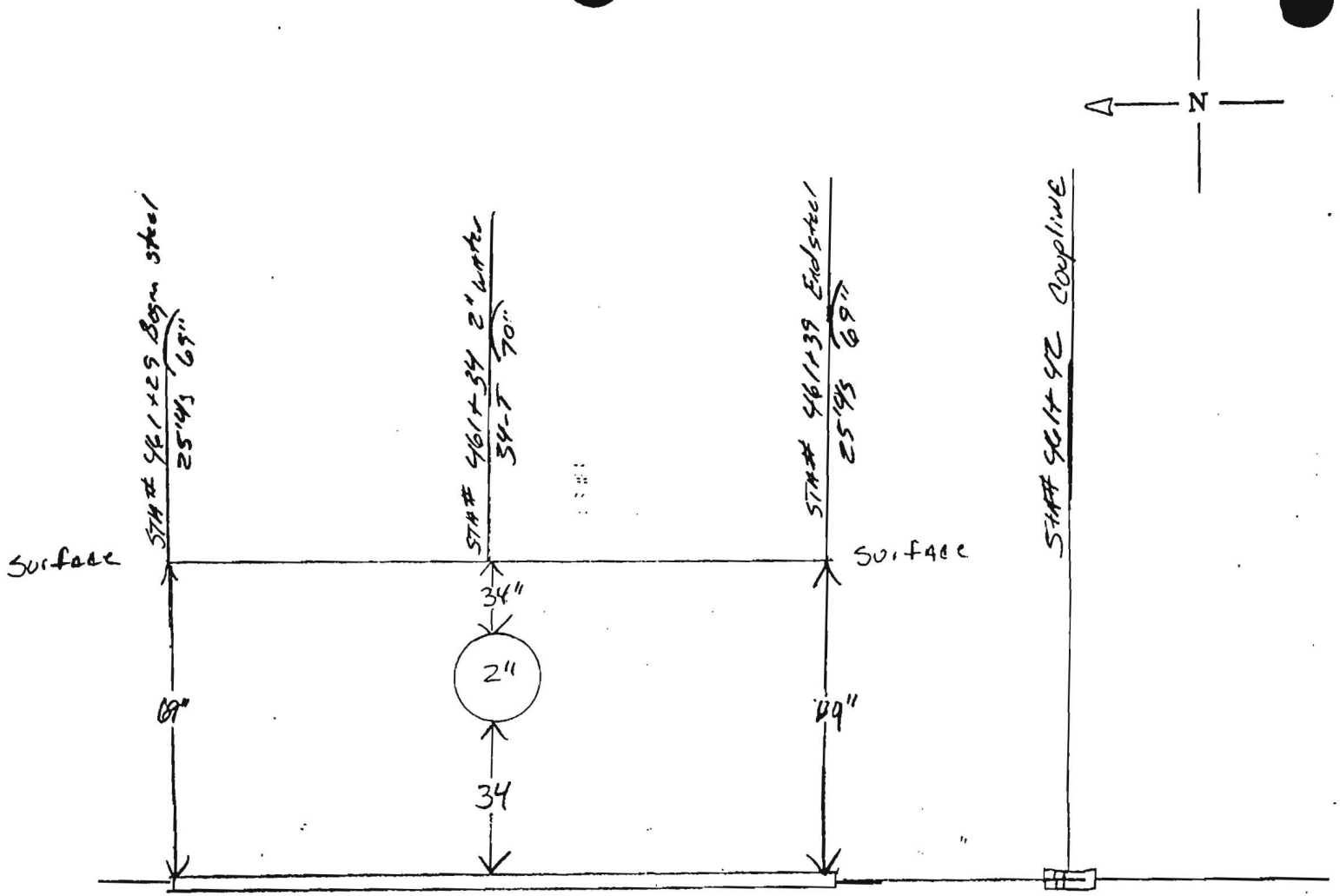


NOTES: Install 161' 4" steel case and 2" water line

COUNTY: Sonoma	CONTRACTOR: Winkels & Mccoy
DUCT CONFIGURATION: (2) 1½ (1) 1¼	INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #		
	4877	40	3



NOTES:
Install 10' 4" steel base under water line

COUNTY
Sonoma

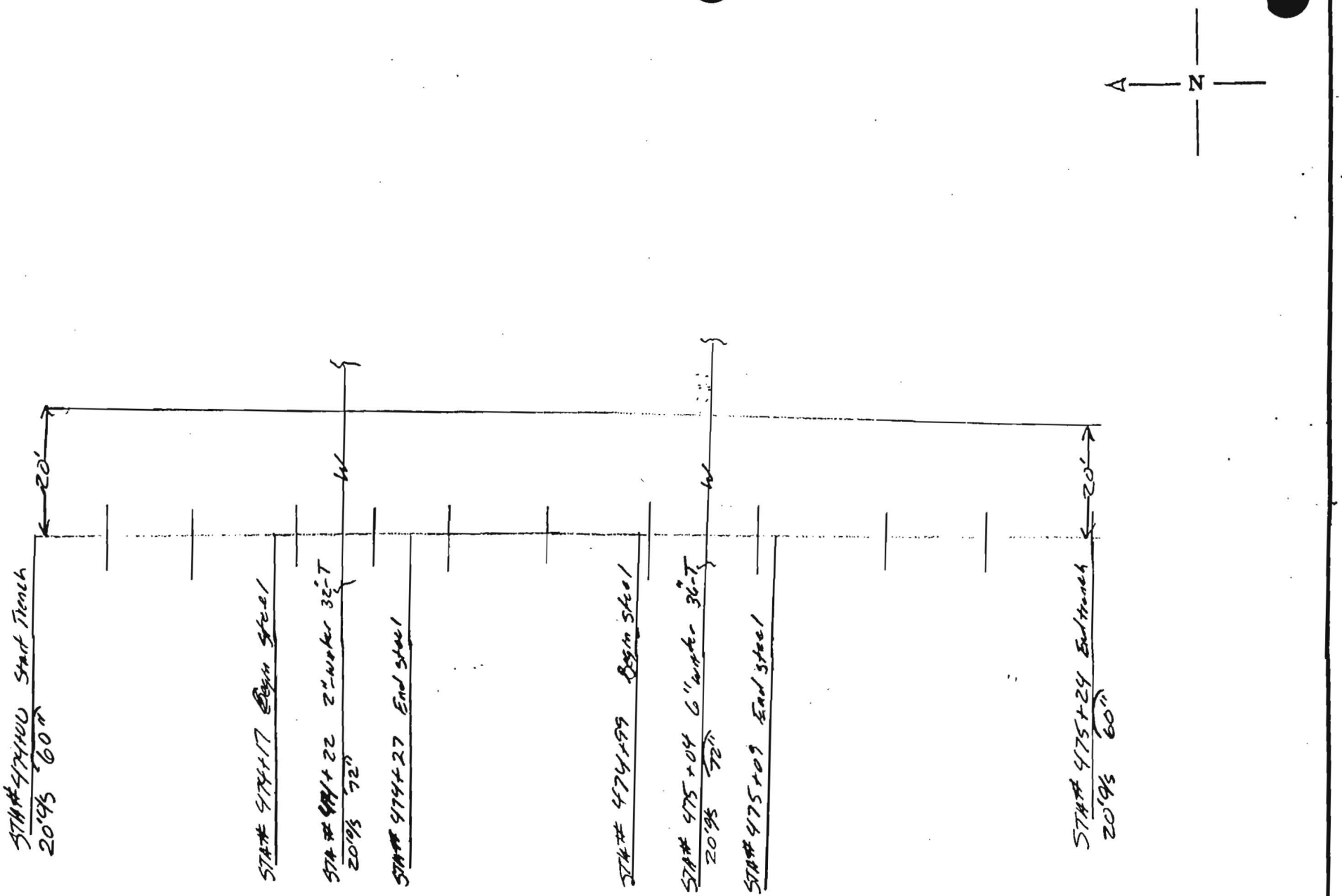
DUCT CONFIGURATION
(2) 1½ (1) 1¼

CONTRACTOR
Hinkels & Mccoy

INSPECTOR
Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DI	PROJECT #	ALIGN. SHEET #	
4	4877	41	3N



NOTES:
Install 10' 4" steel base under water lines

COUNTY: Sonoma

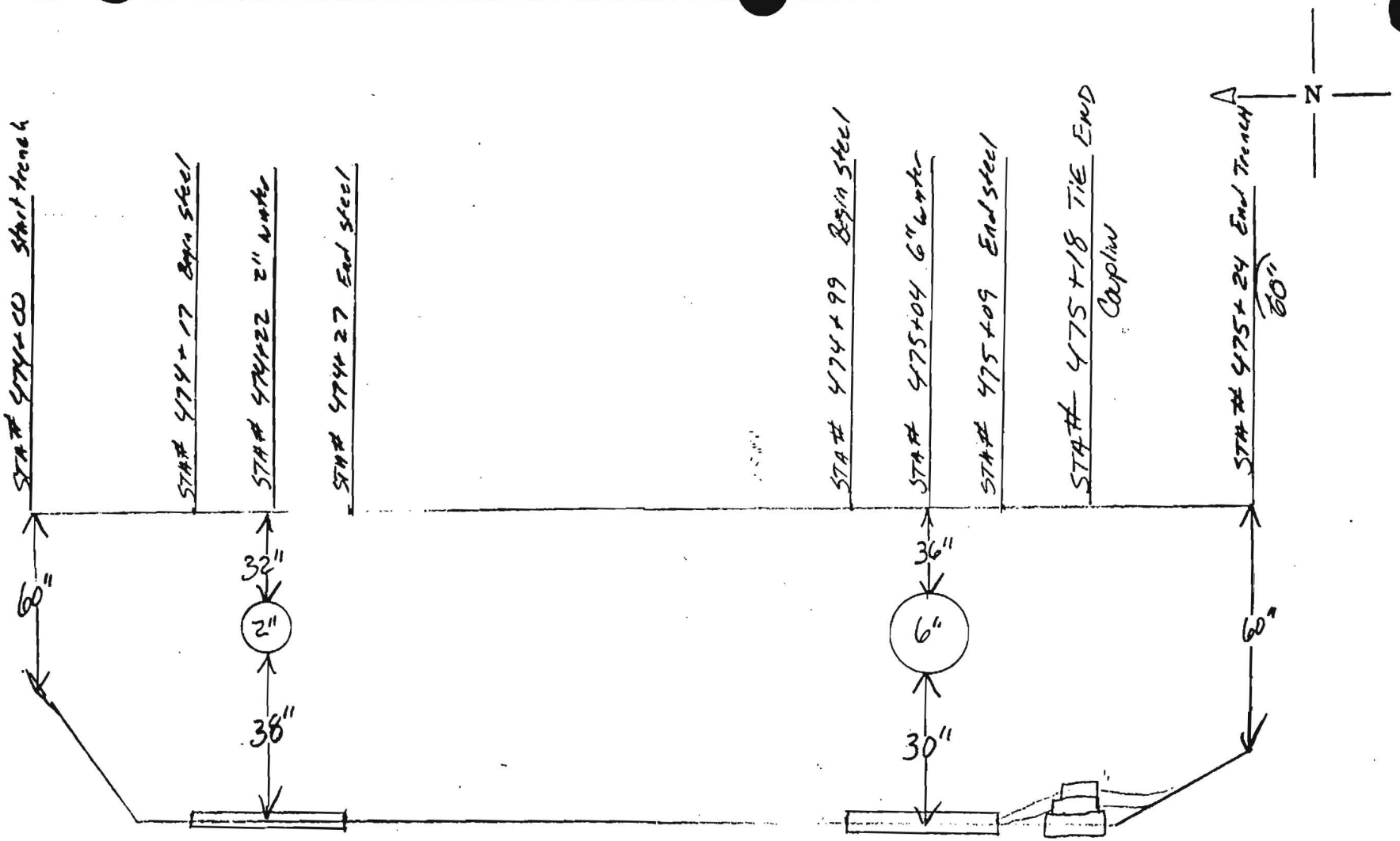
DUCT CONFIGURATION: (2) 1 1/2 (1) 1 1/4

CONTRACTOR: Hinkels & McCoy

INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

	4877	41	31



NOTES:
Install 10' 4" Steel CASE under water line

COUNTY: Sonoma

DUCT CONFIGURATION: (2) 1½ (1) 1¼

CONTRACTOR: Hinkels & Mccoy

INSPECTOR: Kenny Strickland

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING

POINT ARENA ← | SACRAMENTO →

SONOMA COUNTY
CALIFORNIA
SEC 13, T10N AND R10W
MDB&M

D-GEYSERVILLE-10 | D-GEYSERVILLE-9

NORTH COAST RAILROAD ASSOCIATION MAINLINE

WILLIAMS FIBER ROUTE

CL GRAVEL DRIVEWAY

CL DIRT DRIVEWAY

NORTH COAST RAILROAD ASSOCIATION SPUR

PAC BELL

488+12 PI RIGHT

MATCH LINE SHT. 042 486+63

MATCH LINE SHT. 044 499+13

CULVERT

HAND DIG 42" MINIMUM DEPTH

JACK AND BORE 60" MINIMUM DEPTH

DIRECTIONAL DRILL MINIMUM DEPTH

DIRECTIONAL DRILL 60" MINIMUM DEPTH

DIRECTIONAL DRILL 60" MINIMUM DEPTH

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

1250' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

30' – STEEL PIPE | 50' – STEEL PIPE | 40' – STEEL PIPE | 20' – STEEL PIPE | 15' – STEEL PIPE

486+63	487+00	487+20	487+30	487+60	487+70	487+92	488+42	488+47	492+45	492+53	492+63
487+00	487+20	487+30	487+60	487+70	487+92	488+42	488+47	492+45	492+53	492+63	493+28
37'	20'	10'	30'	10'	22'	50'	40'	7'	10'	65'	49'
1.11 2-1.5" HDPE 4-1.25" HDPE K STRICKLAND 8_23_00 HEM	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8_24_00 HEM	1.11 @ 1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND HEM 8_24_00 * 487+25 * WATER LINE	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8_24_00 HEM	1.11 @ 1.41 5" STEEL 1-1.25" HDPE 2-1.5" HDPE 8_24_00 K STRICKLAND HEM * 487+65 * WATER-LINE	1.11 1-1.25" HDPE 2-1.5" HDPE K STRICKLAND 8_24_00 HEM	1.11 2-1.5" HDPE 1-1.25" HDPE J MCKOY 1_9_01 HEM	1.11 2-1.5" HDPE 1-1.75" HDPE K STRICKLAND 8_24_00 HEM 488+21 488+52 50' 5" STEEL J. PADGETT 9-18-00 H.M	1.11 2-1.5" HDPE 1-1.25" HDPE CHARLES GIER 8_24_00 HINKEL & MCCOY IN BLACK 1.25 HDPE 6.12 PD BY 12 SMITS 5_JUL_01	1.11 @ 1.41 2-1.5" HDPE 1-1.25" HDPE E. GIER 9_24_00 HINKEL & MCCOY * 7" WATER LINE X-ING @ 492+58 5" STEEL	1.11 2-1.5" HDPE 1-1.75" HDPE C. GIER 8_24_00 HEM	1.11 2-1.5" HDPE 1-1.75" HDPE K STRICKLAND 16_24_00 HEM.

493+28	498+25	499+13
498+25	499+13	88'
1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8_24_00 HEM		

REV-1

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./J.C.L.
- 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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : SAH	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-043-SPRD 4	

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD: 3W

CONTRACTOR: Hinkels & Mccoy INSPECTOR: Kenny Strickland DATE: 9-23-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
450+19	18'0/s	48"	~~Start trench~~
451+69	18'0/s	48"	~~End trench~~ TIE IN
451+69	18'0/s	48"	~~TIE for Coupling~~ END Trench
461+00	25'0/s	48"	Start Trench
461+34	25'0/s	70"	2" water 34"LT
461+42	25'0/s	60~~50~~"	TIE IN Couplings
461+44	25'0/s	30"	End Trench
461+44	25'0/s	48"	Start Plow
462+00	25'0/s	48"	
464+00	25'0/s	48"	
466+00	25'0/s	49"	
468+00	25'0/s	48"	
470+00	25'0/s	48"	
472+00	25'0/s	49"	
474+00	25'0/s	48"	End Plow
475+24	20'0/s	48"	Start Plow
476+00	20'0/s	48"	
478+00	20'0/s	48"	
480+00	20'0/s	48"	
482+00	20'0/s	48"	
484+00	20'0/s	48"	
486+00	20'0/s	48"	
487+00	20'0/s	48"	End Plow
474+00	~~20~~'0/s 25'	60~~48~~"	Start trench
474+22	20'0/s	72~~60~~"	2" Water line 34-T
475+04	20'0/s	72~~36~~"	16" water line 36-T
475+18	20'0/s	60~~48~~"	TIE IN
475+24	20'0/s	72"	End Trench

Williams

Williams Project

POINT ARENA TO SACRAMENTO
CABLE ROUTE

As-Built Information

DESCRIPTION: PAGE (2) of (2)
Install (3) H.D.P.E.

SPREAD: 3N

CONTRACTOR: Hinkles & Mccoy INSPECTOR: Kenny Strickland DATE: 8-22-00

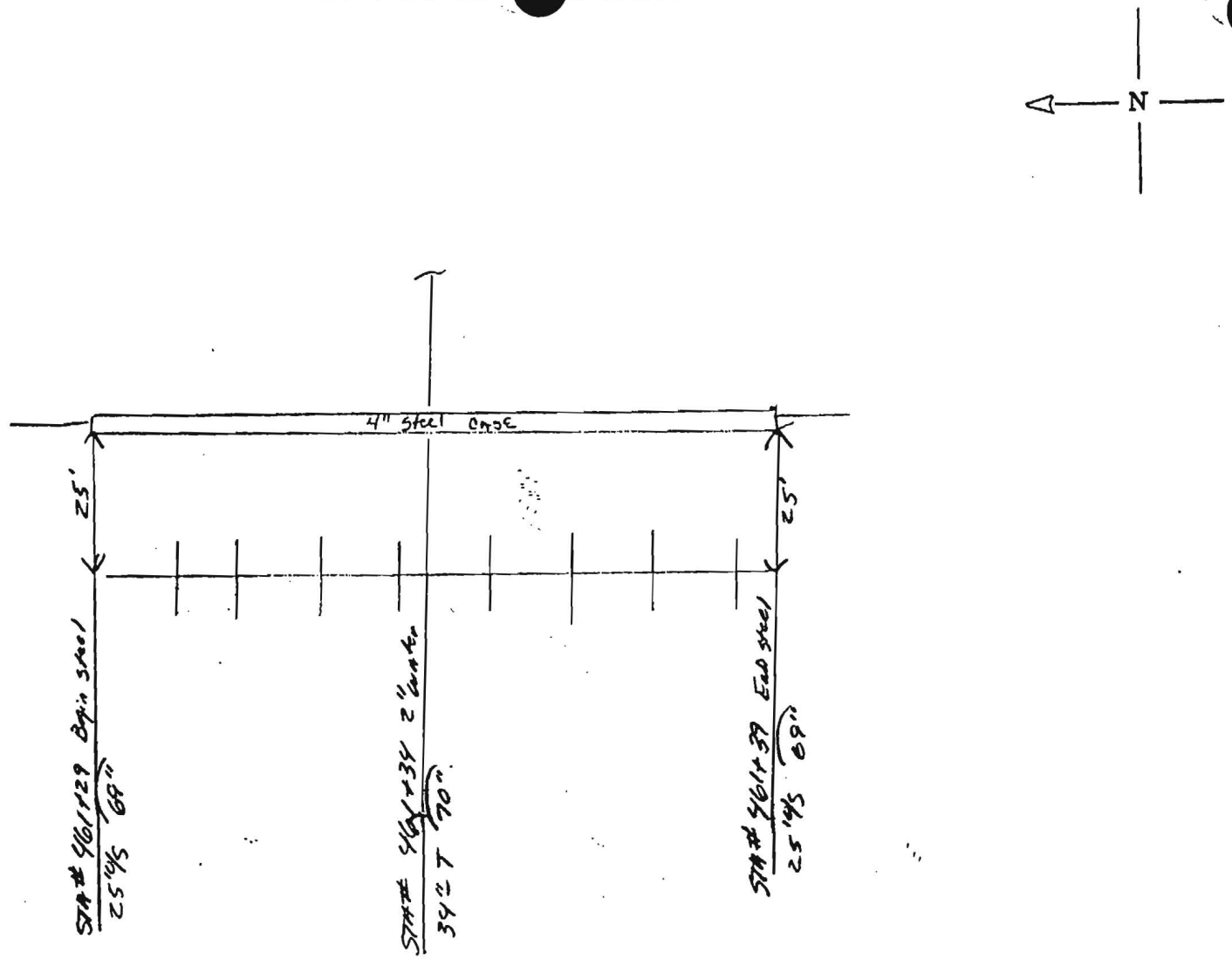
DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
460+00	23'9/s	48"	
461+00	25'10/s	48"	End Plow

928

current as of:12/7/99

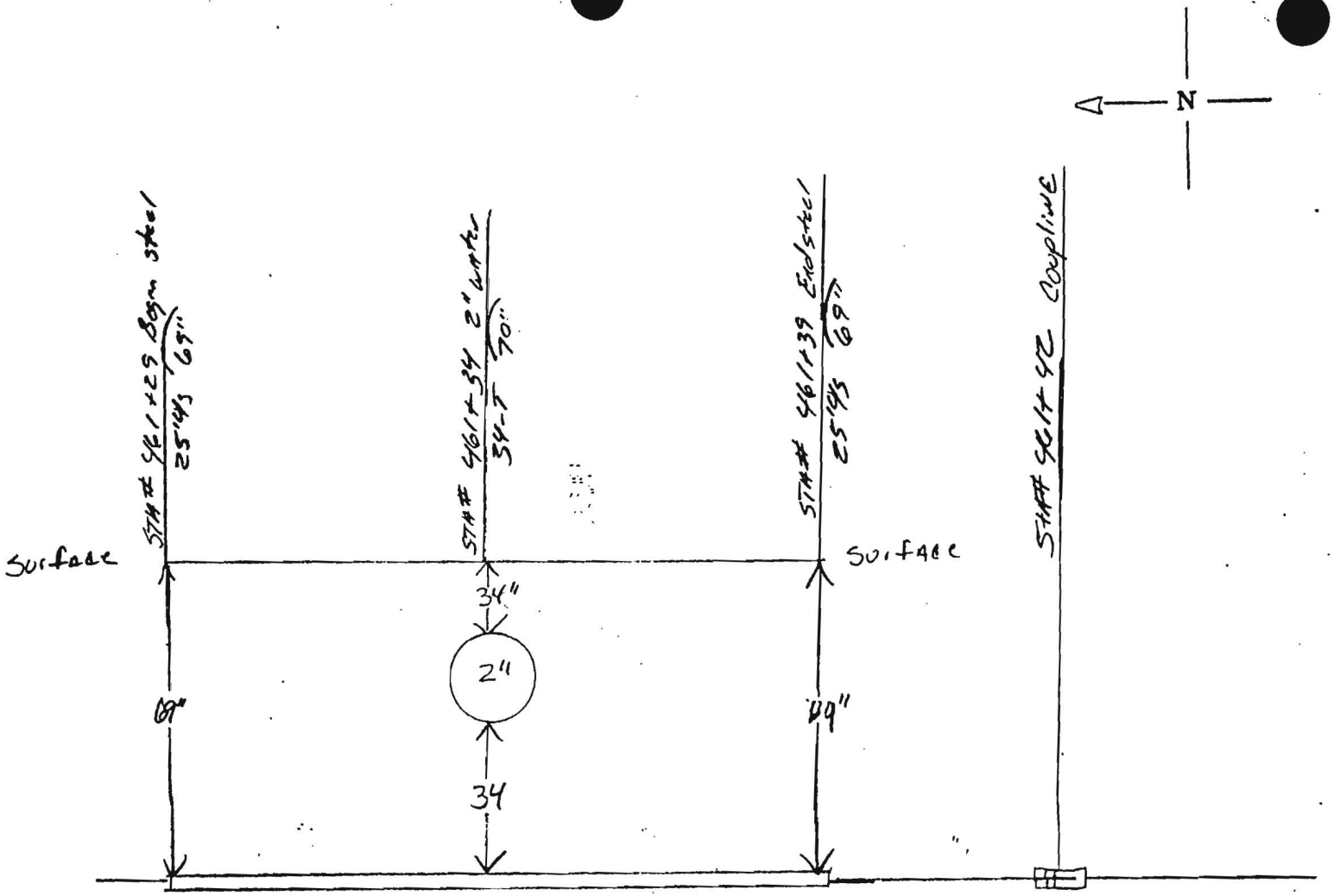
CONST[illegible]TION AS-BUILT DOCUMENTATION | 8 | [illegible] | 4877 | 40 | [illegible]



NOTES: Install 10' 4" steel case under 2" water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mecoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

CONST[illegible]TION AS-BUILT DOCUMENTATION | [illegible] | 4677 | 40



NOTES:
Install 10' 4" steel case under water line

COUNTY
Sycamore

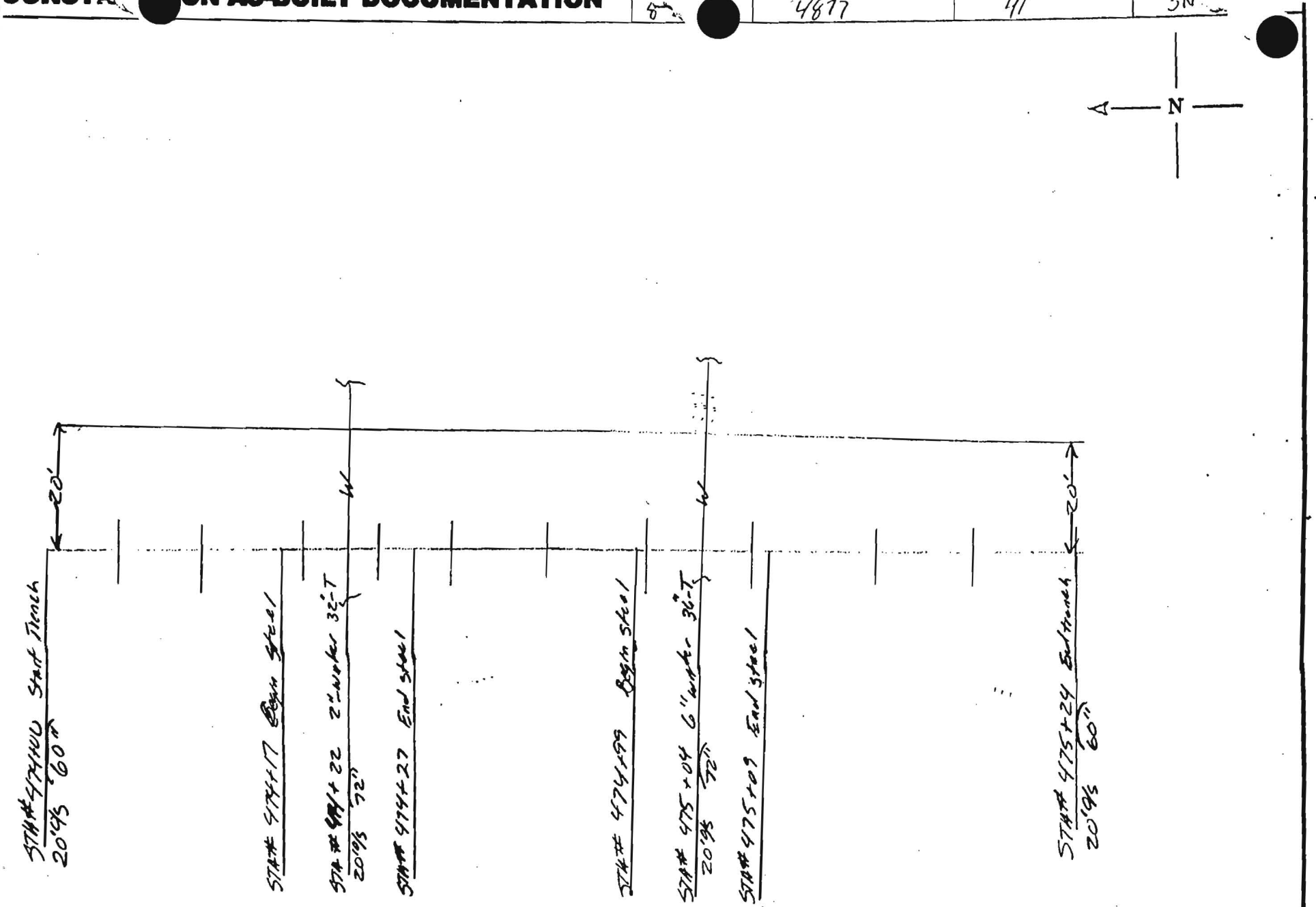
CONTRACTOR
Hinkels & Mecay

DUCT CONFIGURATION
(2) 1½ (1) 1¼

INSPECTOR
Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DI	PROJECT #		
5	4877	41	SN



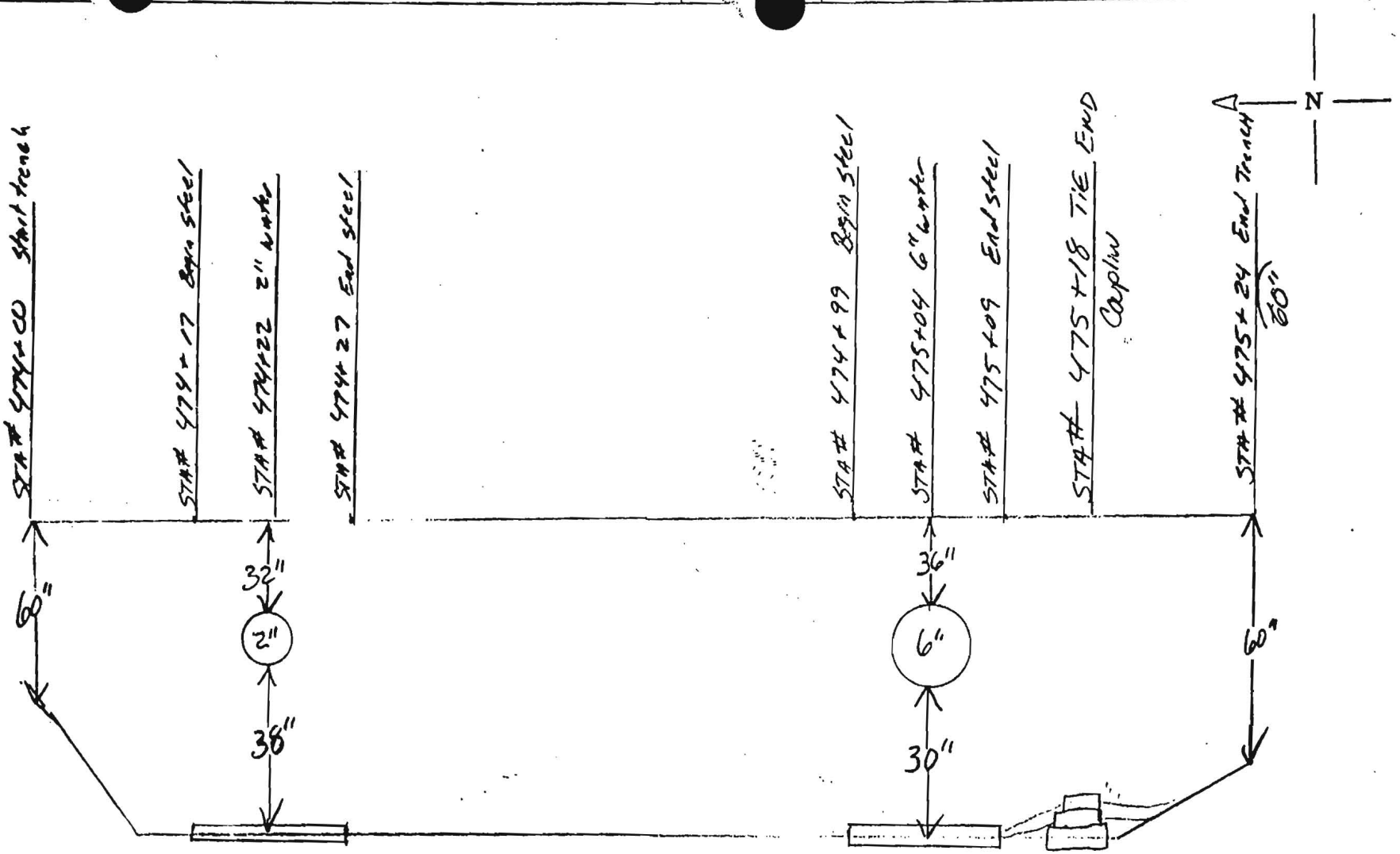
NOTES:

Install 10' 4" steel base under water lines

COUNTY	CONTRACTOR
Sonoma	Hinkels & Mccoy
DUCT CONFIGURATION	INSPECTOR
(2) 1 1/2 (1) 1 1/4	Kenny Strickland

CONST[illegible]ION AS-BUILT DOCUMENTATION

4877 | 41



NOTES:

Install 10' 4" Steel Case under water line

COUNTY: Sonoma

CONTRACTOR: Hinkels & Mecoy

DUCT CONFIGURATION: (2) 1½ (1) 1¼

INSPECTOR: Kenny Strickland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow / Trench (3) H.D.P.E.	3N

CONTRACTOR: Hinkels & Meury INSPECTOR: Kenny Strickland DATE: 8-24-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
487+00	20'10/3	48"	Start trench
487+25	20'10/3	48"	1" water line 16"-T
487+65	20'10/3	60"	6" water line 24"-T
487+92	20'10/3	50"	END Trench
Cross	tracks		
488+42	19'10/3	48"	Start Plow
489+42	19'10/3	48"	
490+42	19'10/3	48"	
491+42	19'10/3	48"	
492+45	19'10/3	48"	End Plow
[redacted]	[redacted]	[redacted]	[redacted]
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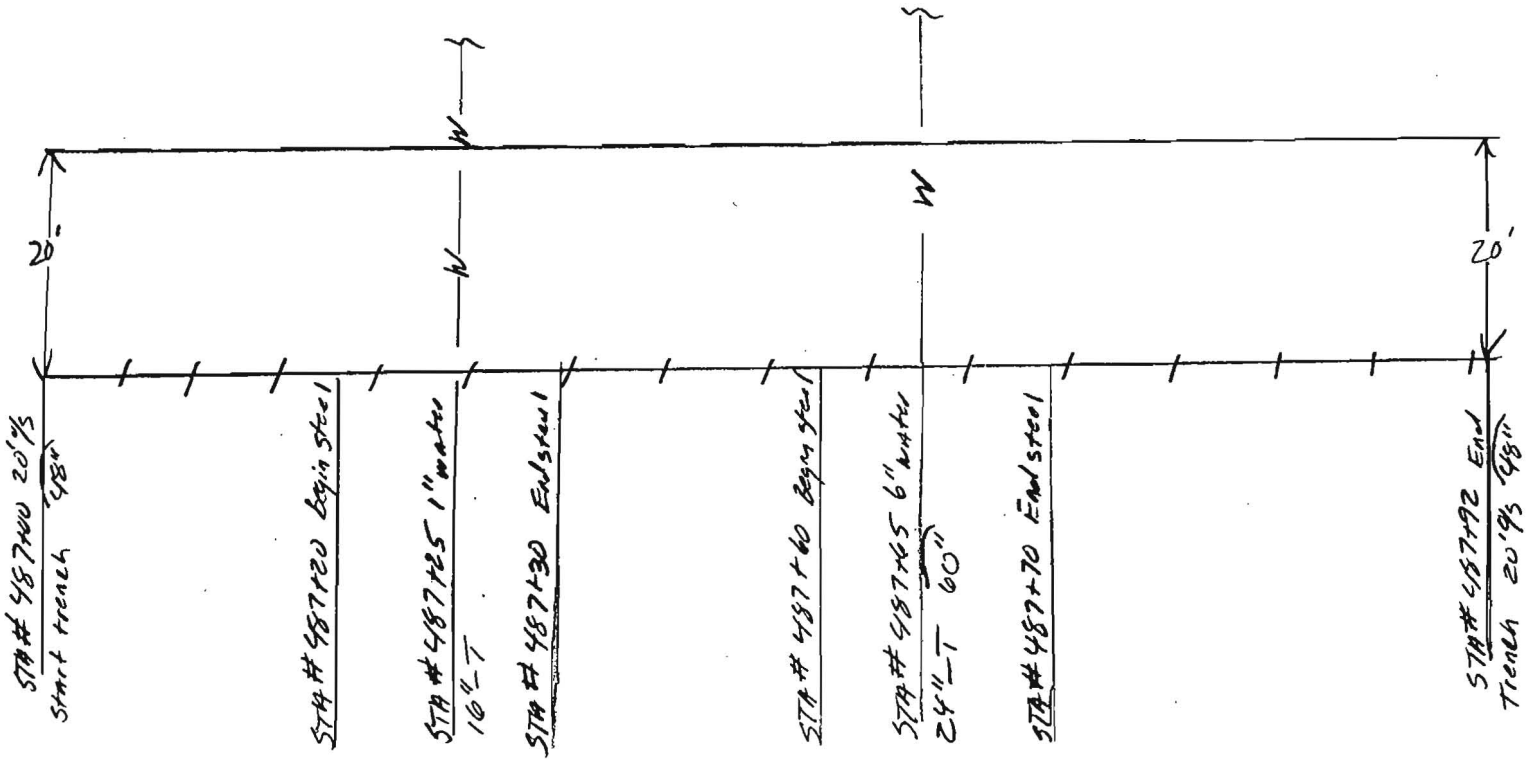
Adder
Adder
Adder
501+18
502+28

current as of: 12/7/98

CONSTRUCTION AS-BUILT DOCUMENTATION

D	PROJECT #	ALIGN. SHEET #	SPREAD #
2 -00	4877	43	3A



NOTES:
Install 10' 4" steel case under water lines

COUNTY: Sonoma

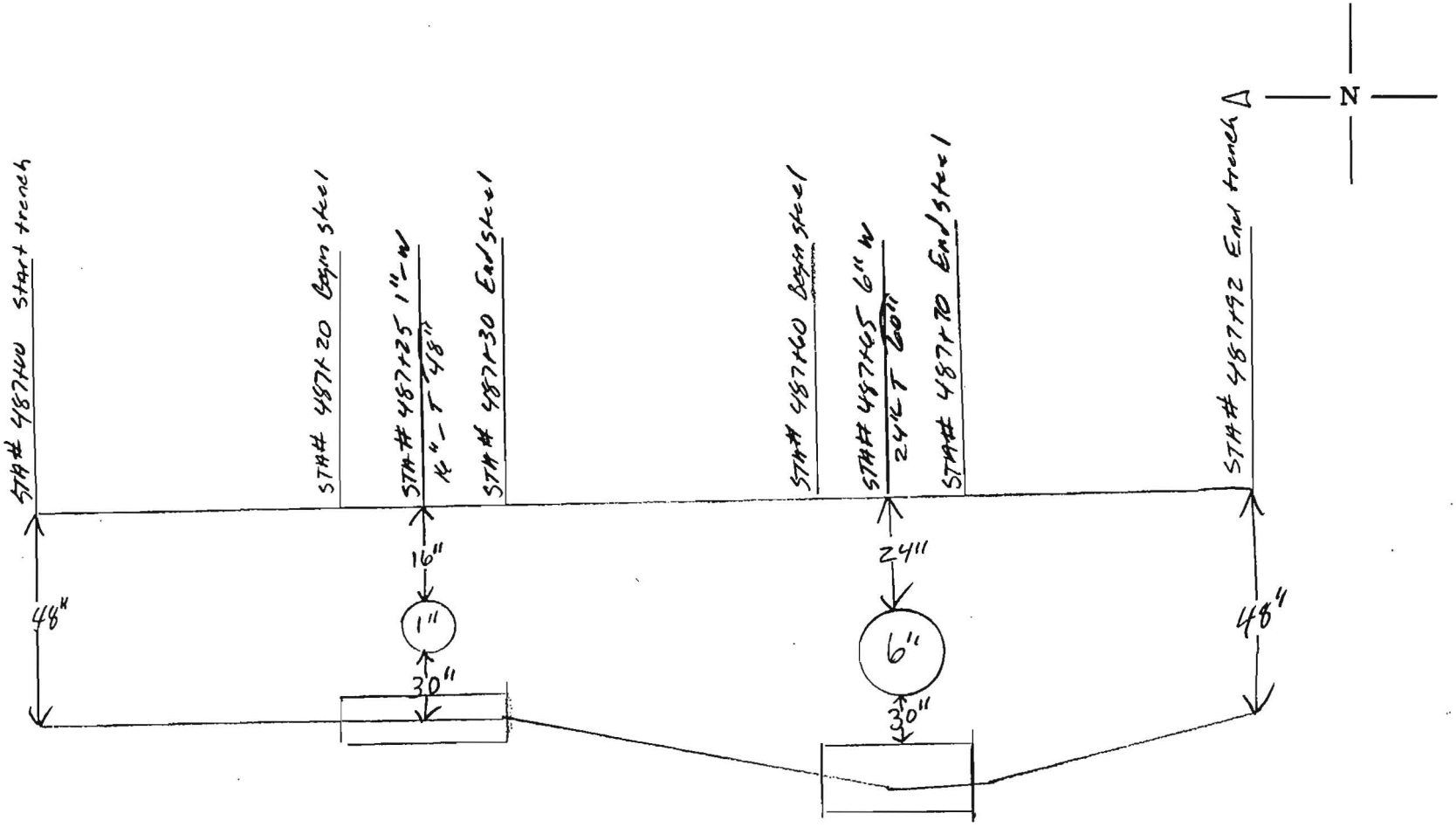
DUCT CONFIGURATION: (2) 1½ (1) 1¼

CONTRACTOR: Monkels & Mccoy

INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	SPREAD #
-00	4877	43	3



NOTES: Install 101' 4" steel case under water lines

COUNTY: Sonoma

DUCT CONFIGURATION: (2) 1½ (1) 1¼

CONTRACTOR: Hinkels & McCoy

INSPECTOR: Kenny Strickland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: INSTALATION 3-HDPE & 5" STEEL

SPREAD:

CONTRACTOR: Henkle & McCoy INSPECTOR: J.R. Padgett DATE: 9-15-00

DWG.:# 043 LOCATION: N.W. Pacific RR

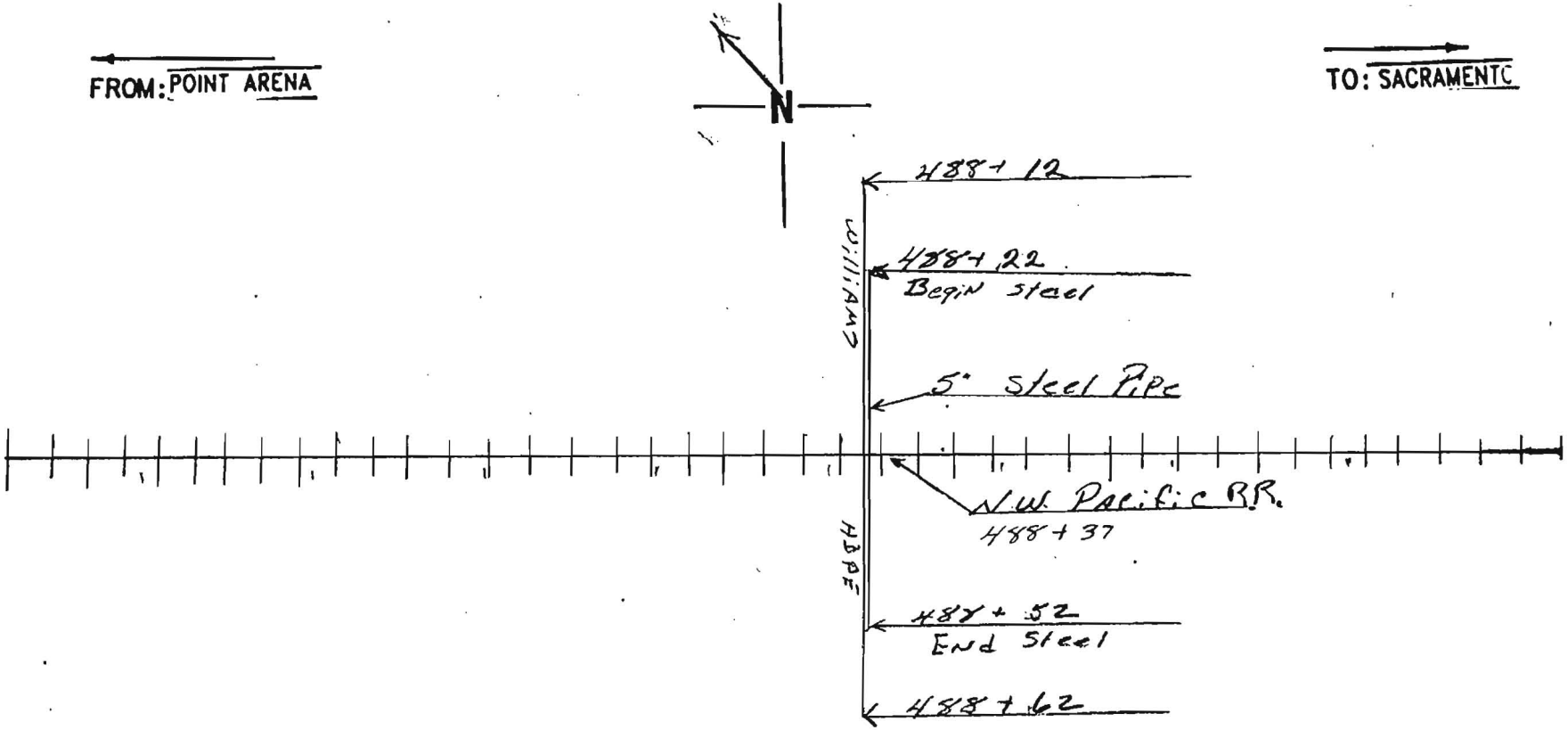
STATION:	OFFSET:	DEPTH:	NOTES:
488+12	25'	48"	START HDPE
488+22		60"	START STEEL
488+52		60"	END STEEL
488+62	25'	48"	END HDPE

current as of:12/7/98

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	9-10-00	9981541-18 4	043	31

FROM: POINT ARENA

TO: SACRAMENTO

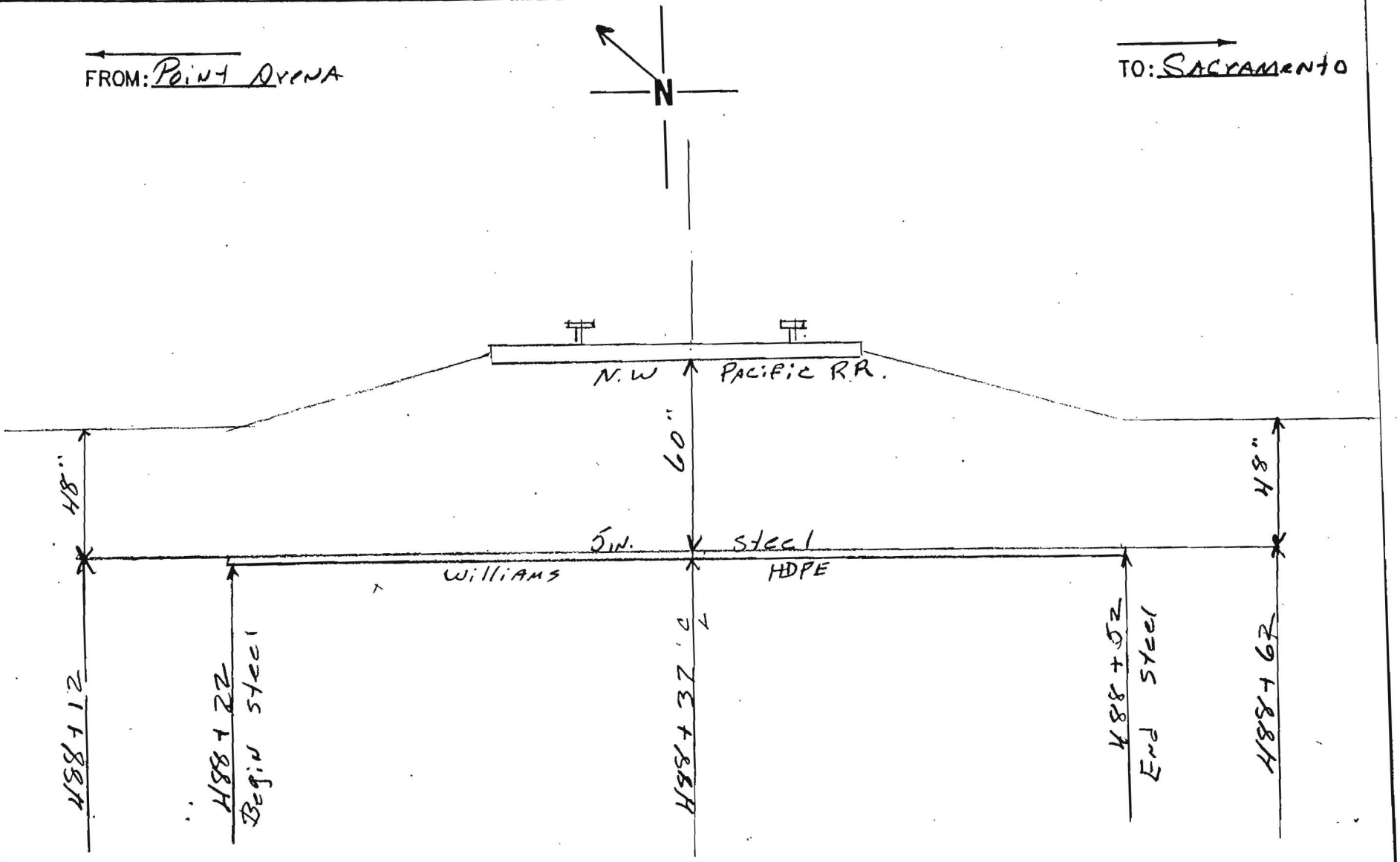


NOTES:	COUNTY: SONOMA	CONTRACTOR: Henkel & McCoy
	DUCT CONFIGURATION: 1-1¼ ORANGE 1-1¼ BLUE 1-1¼ BLACK	INSPECTOR: J.R. PADGETT

Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #	DWG / ALIGNMENT SHEET	MAP #
9-18-00	99P1541-18 4	043	3N



NOTES:	COUNTY:	CONTRACTOR:
Installed 1-1½" Orange 1-1½ Blue 1-1¼ Black HDPE 38' 5" Steel	Sonoma	Henkle & McCoy
	DUCT CONFIGURATION: 2-1½-1-1¼ HDPE	INSPECTOR: J.R. Padgett

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: TRENCH IN PLACE

SPREAD: ~~RES~~ South 3

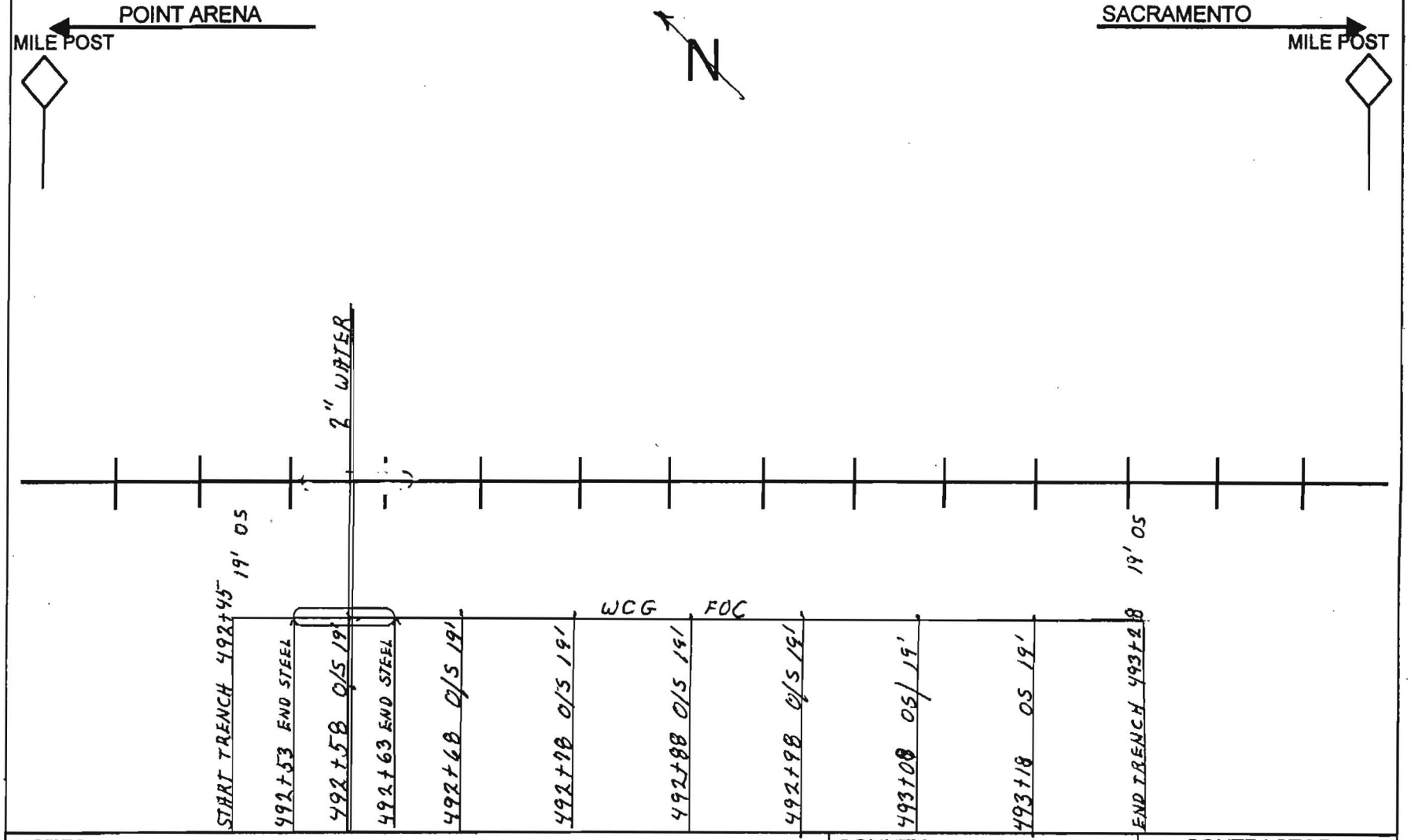
CONTRACTOR: H & M **INSPECTOR:** C GIER **DATE:** 8-24-00

DWG.:# **LOCATION:** RR

STATION:	OFFSET:	DEPTH:	NOTES:
492+45	19'	48"	START TRENCH
492+53	19'	48"	End STEEL
492+58	19'	48"	2" WATER LINE 14" DEEP
492+63	19'	48"	End STEEL
492+68	19'	48"	
492+78	19'	48"	
492+88	19'	48"	
492+98	19'	48"	
493+08	19'	48"	
493+18	19'	48"	
493+28	19'	48"	END TRENCH

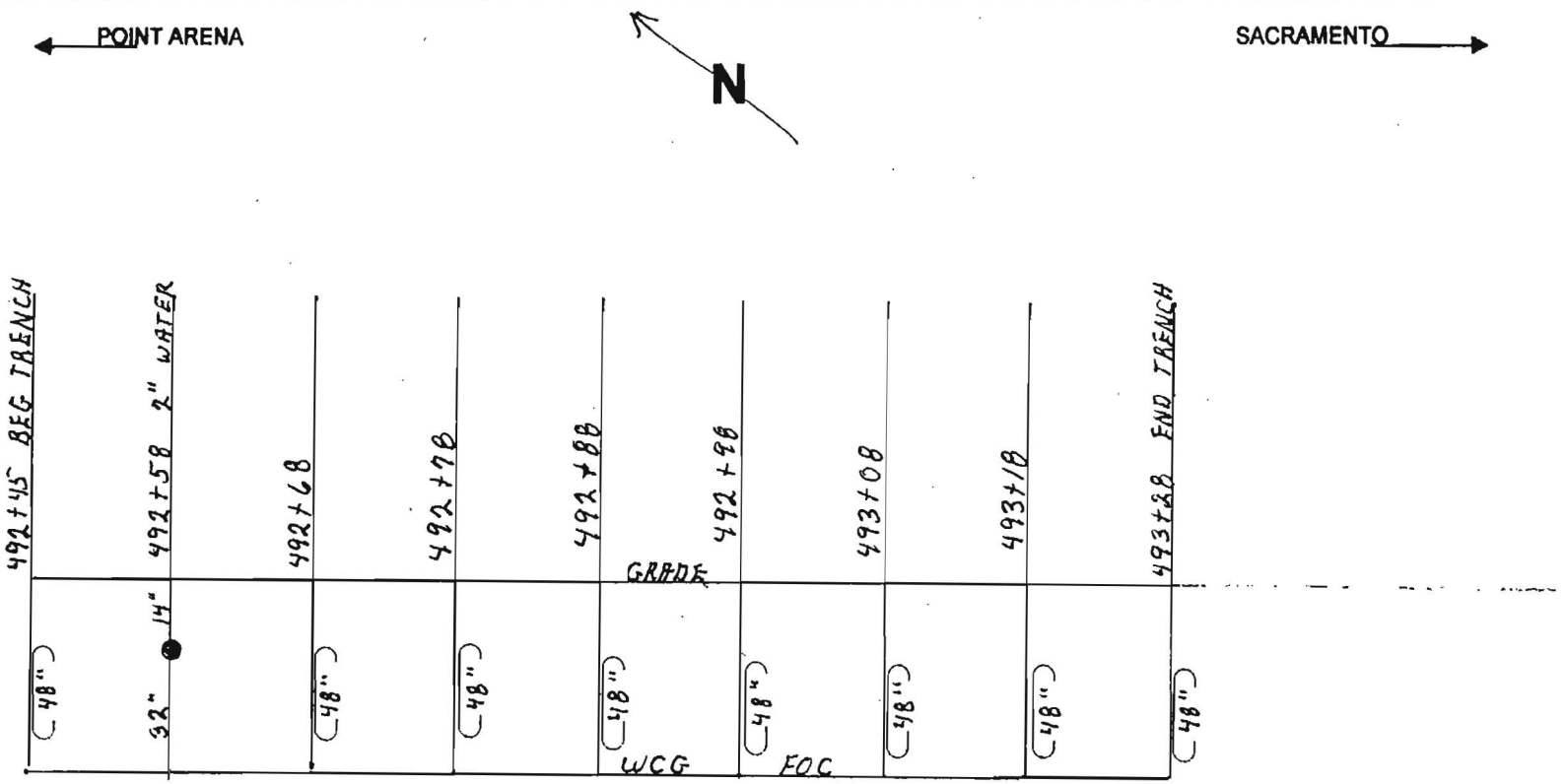
CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGN. SHEET #	SPRE~~AD~~ SHEET #
8-24-00	4877	42	SOUTH 3 ~~#3~~



NOTES :	COUNTY :	CONTRACTOR :
	SONOMA	H&M
	DUCT CONFIGURATON :	INSPECTOR :
	2 - 1½" & 1 - 1¼" HDPE	C GIER

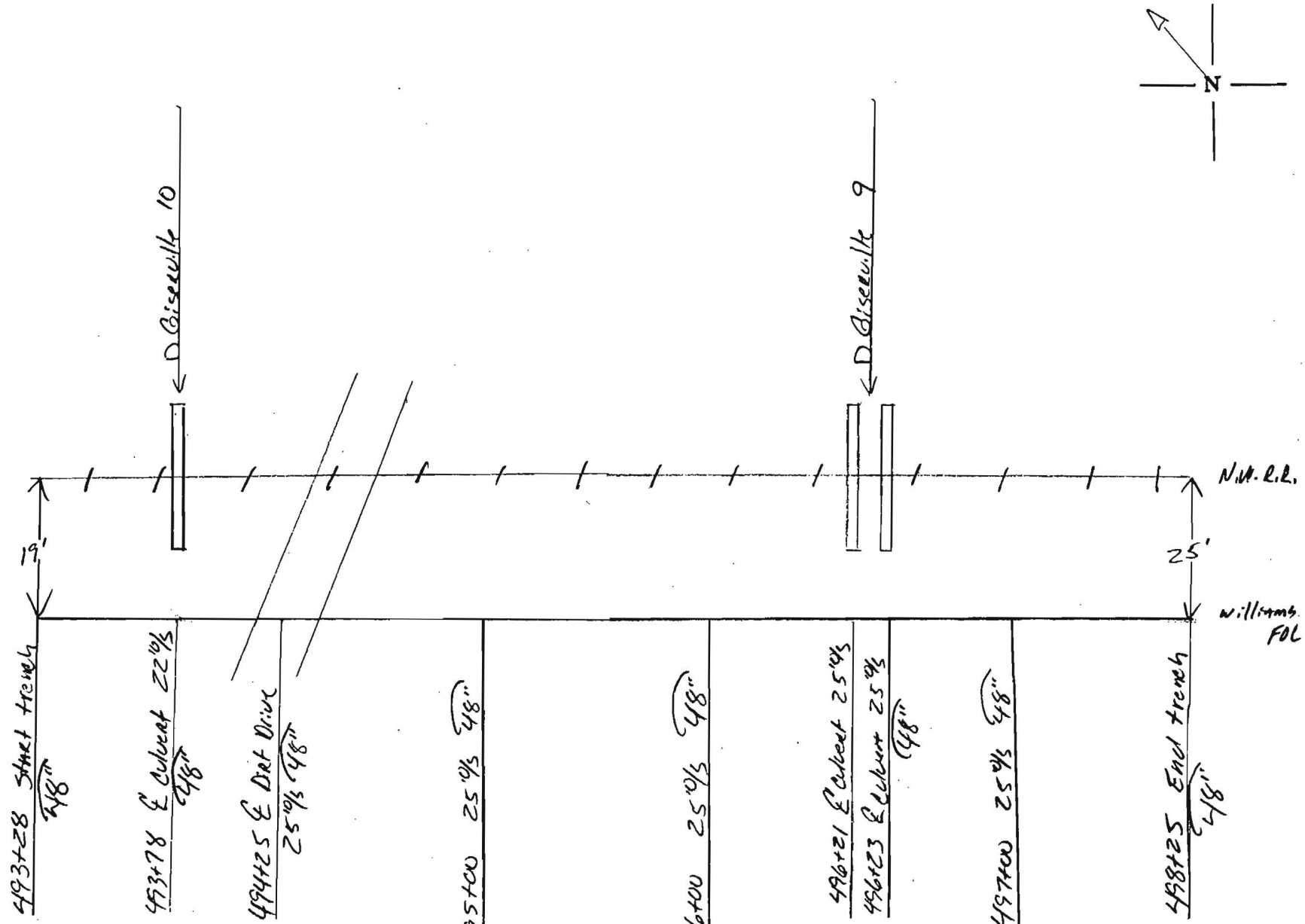
CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 8-24-00	PROJ 48	DWG/ALIGN.SHEET # 42	SPREAD # SOUTH 3 ~~#-3~~



NOTES:	COUNTY: Sonoma	CONTRACTOR: H&M
	DUCT CONFIGURATION: 2-1½" + 1-1¼" HDPE	INSPECTOR: C. GIER

CONSTRUCTION AS-BUILT DOCUMENTATION

D/	PROJECT #	ALIGN. SHEET #	SPREAD #
1[illegible]1-00	79P1541-14	43	3[illegible]



NOTES:
trench trough D Bisseuille 10 & 9 As shown Above

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
2-1½ 1-1¼	Kenny Steiellland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow / Trench (3) H.D.P.E.	3N

CONTRACTOR: Hinkels & Mccoy INSPECTOR: Kenny Strickland DATE: 8-24-00

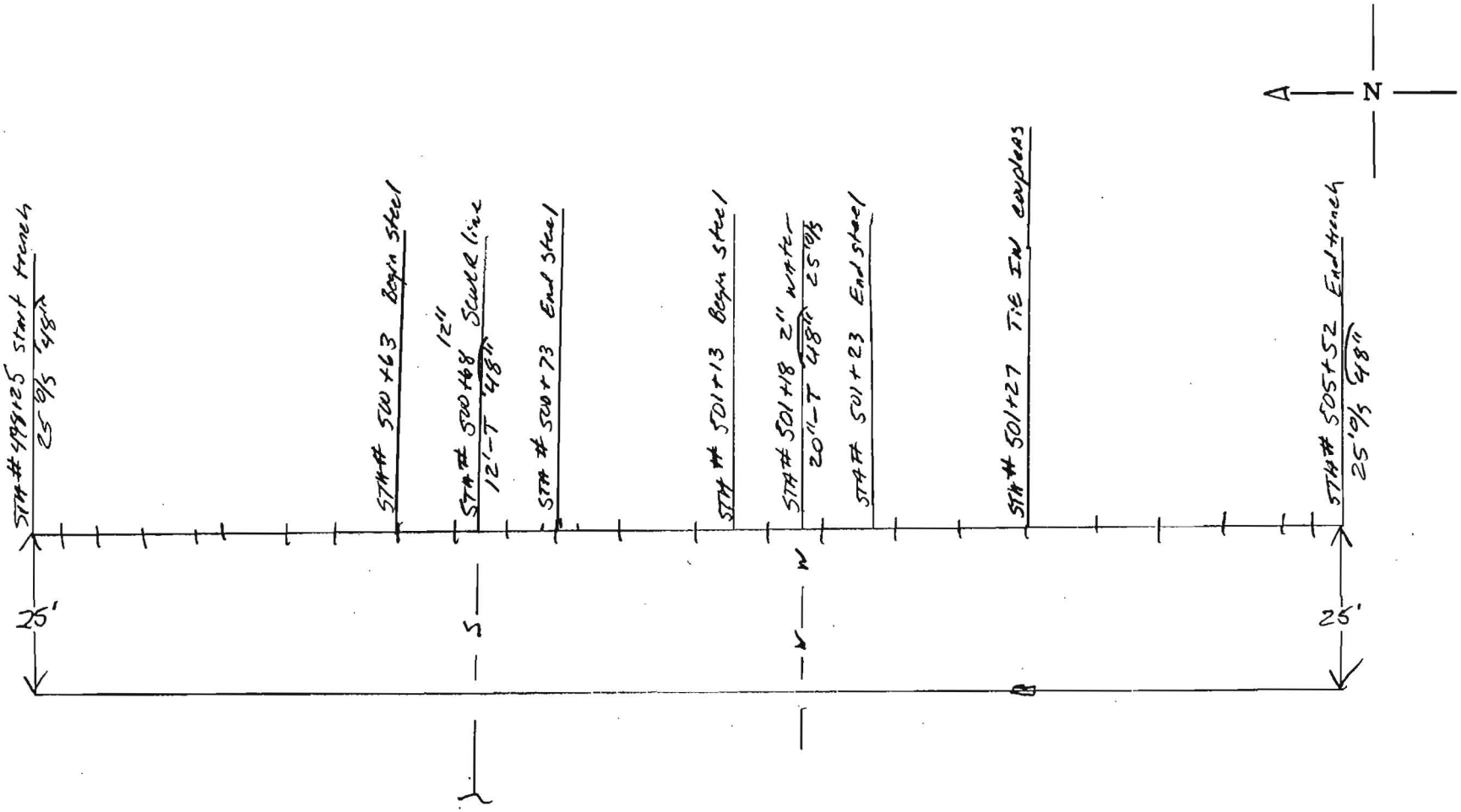
DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
498+28	25'10/s	48"	start trench
499+28	25'10/s	48"	
500+28	25'10/s	48"	
500+68	25'10/s	48"	12" Sewer line 12'-T
[redacted]	25'10/s	48"	2" water 20"-T
501+21	25'10/s	48"	TIE IN Couplings
[redacted]	25'10/s	48"	
503+28	25'10/s	48"	
504+28	25'10/s	48"	
505+52	25'10/s	48"	[redacted] End Trench

Adder
Adder
Adder
501+18
502+28

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	SPREAD #
	4877	44	3M

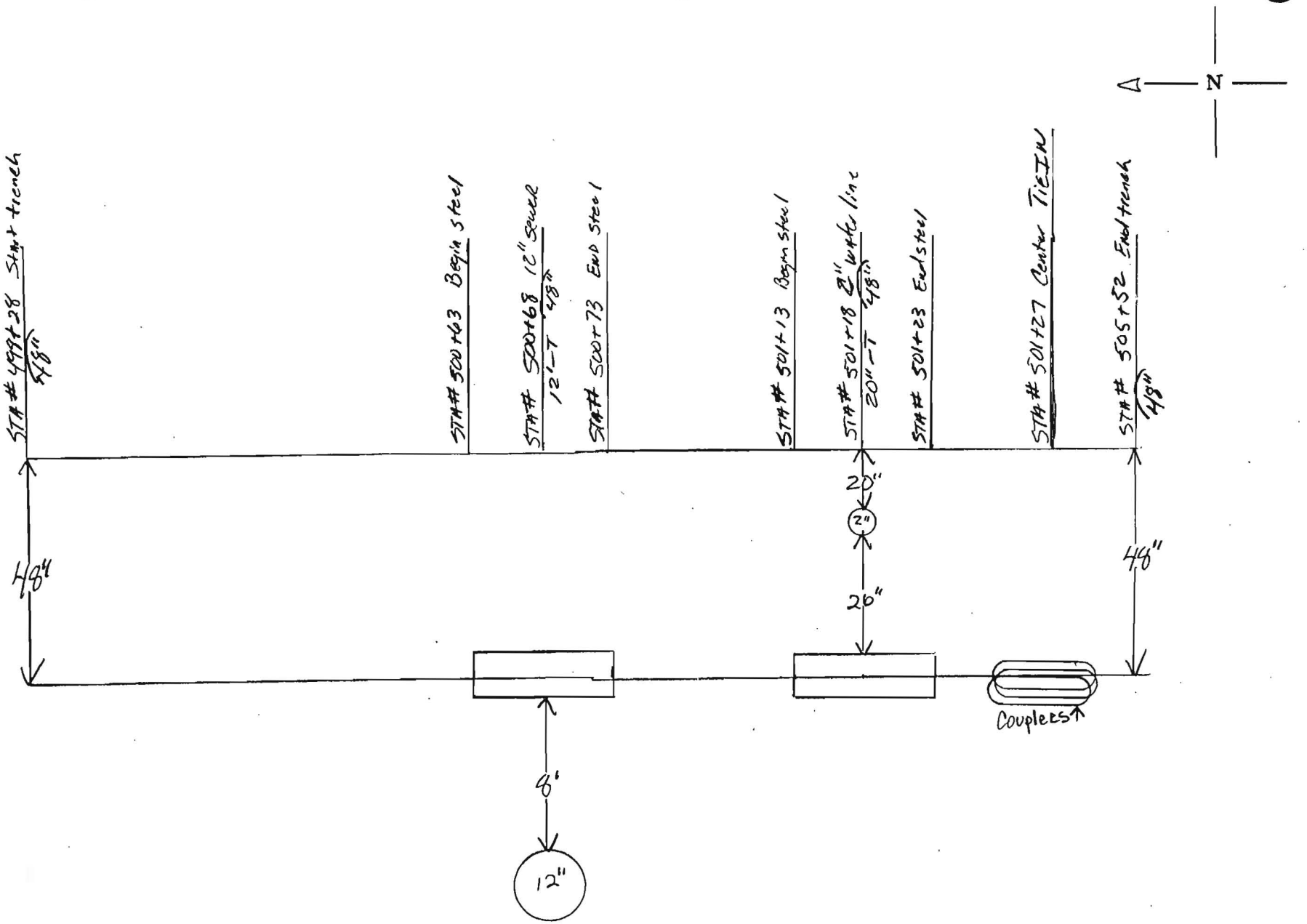


NOTES:
Install 10' 4" steel case under sewer, water

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

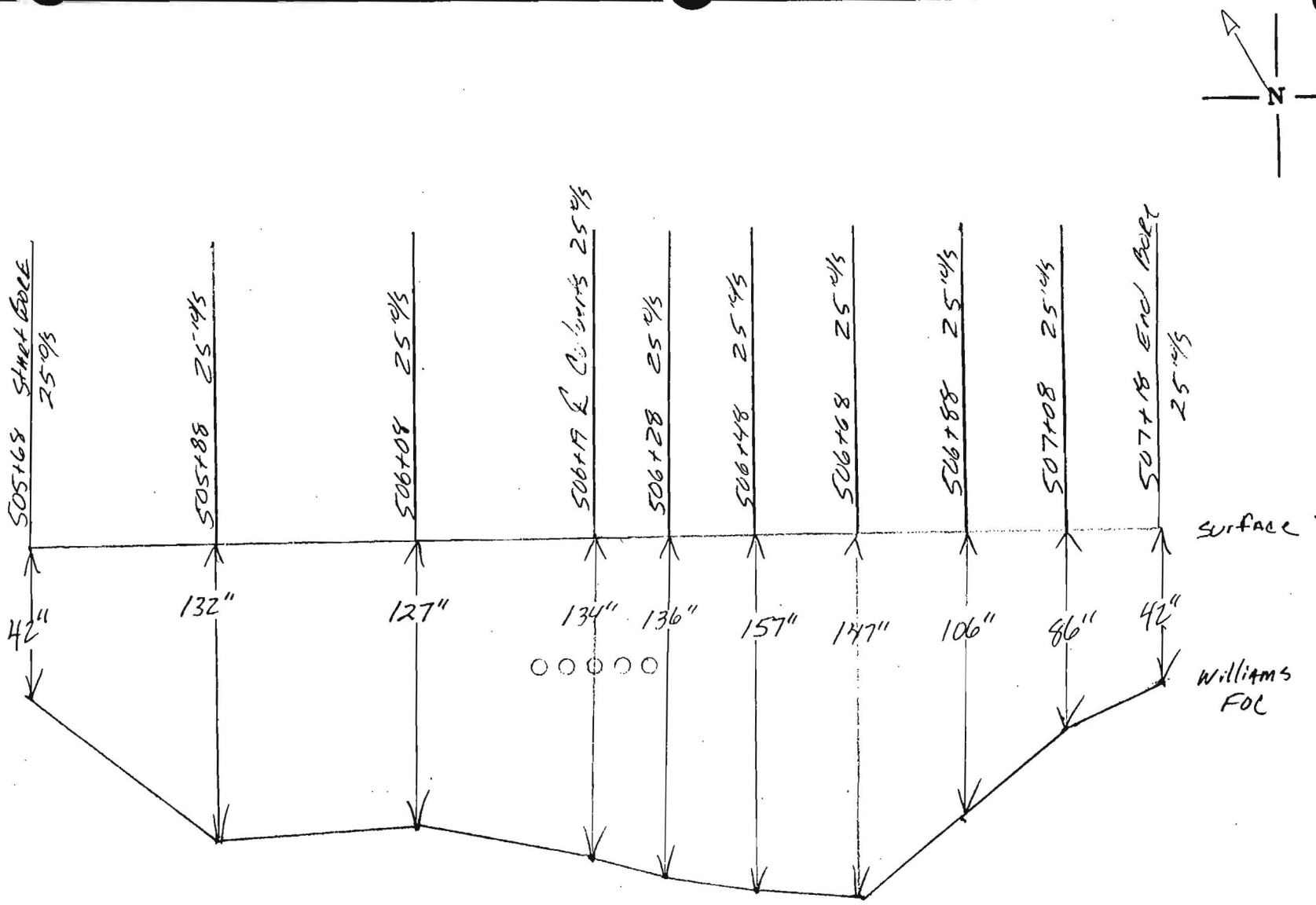
	PROJECT #	ALIGN. SHEET #	SPREAD #
	4877	44	7/6



NOTES:	COUNTY	CONTRACTOR
Install 10' 4" Steel Case under Sewer, Water	Sonoma	Hinkels & Mccoy
	DUCT CONFIGURATION	INSPECTOR
	(2) 1 1/2 (1) 1 1/4	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	
5-00	4877	44	7: 41-14



NOTES: Bore under D/R Eiserville 8

COUNTY: Sonoma

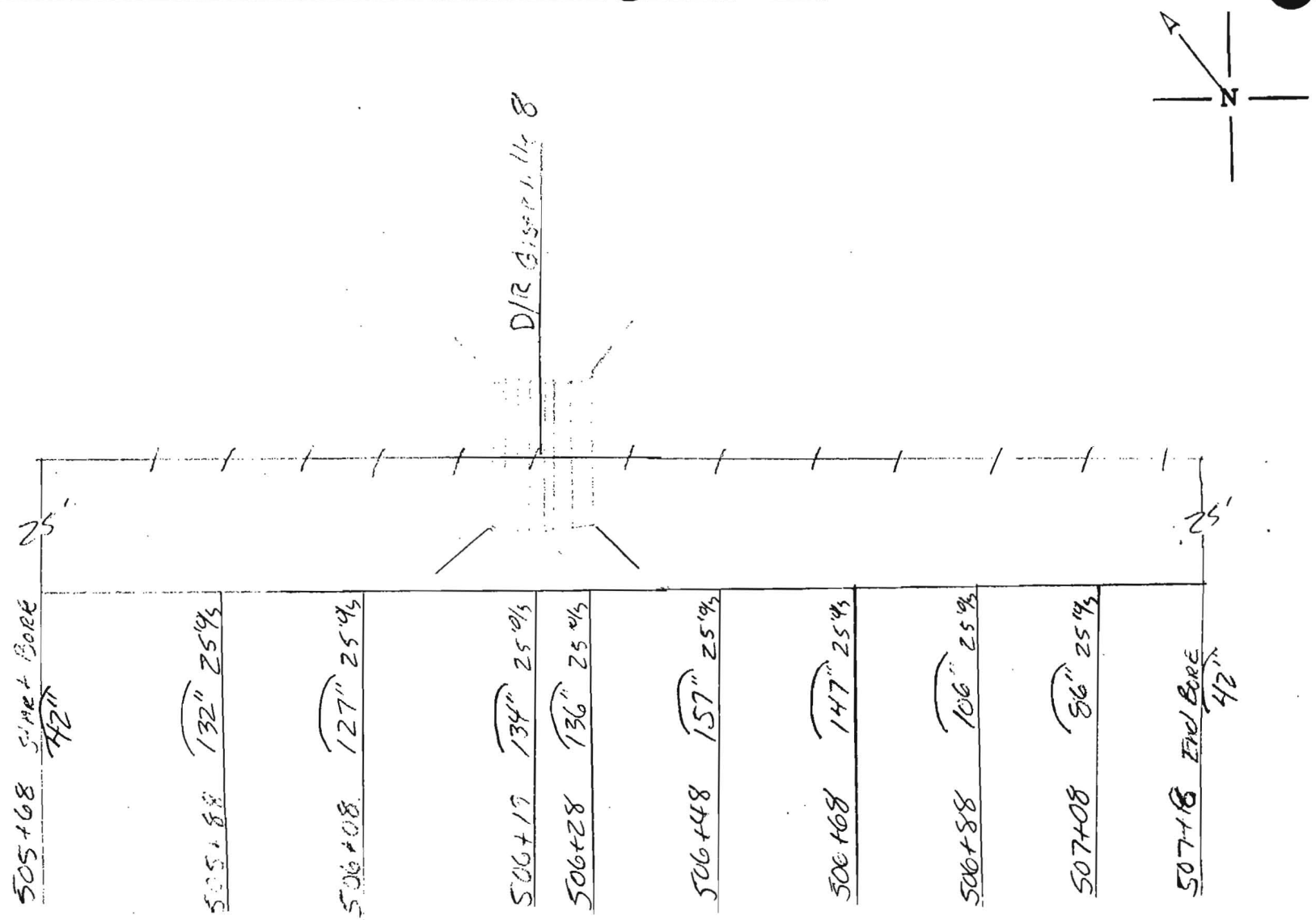
CONTRACTOR: Hinkels

DUCT CONFIGURATION: 2-1½ 1-1¼

INSPECTOR: Kenny Strickland

CONS[illegible]CTION AS-BUILT DOCUMENTATION

D[illegible]	PROJECT #	ALIGN. SHEET #	SPREAD #
[illegible]	4877	44	99P1 [illegible]-14



NOTES:	COUNTY	CONTRACTOR
Bore under D/R Giserelli 8	Sonoma	Hinkels
	DUCT CONFIGURATION	INSPECTOR
	[illegible]	Kenny Strickland

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

499+67 RR MILE MARKER 77 [3980+66.7 NCRRA]

500+62 GUY WIRE 11' LT [3979+70.5, 14' LT NCRRA]
500+88 GUY WIRE 8' LT [3979+44.1, 17' LT NCRRA]
501+07 POWER POLE 15' LT [3979+42.1 NCRRA]
501+07 BEGIN STEEL PIPE [3979+31.8 NCRRA]
501+11 CL OF ROAD [3979+20.8 NCRRA]
501+21 END STEEL PIPE [3979+10.8 NCRRA]
501+28 ROAD SIGN 14' LT [3979+03.5, 11' LT NCRRA]
501+77 SPILLWAY 25'0"S

#1 501+11 25°01'S
#1A 501+13 25°01'S
#2 501+73 25°01'S MARKER POLE
#3 502+78 25°01'S MARKER POLE

505+00 BEGIN STEEL PIPE [3974+25.8 NCRRA]
506+09 CULVERT [3974+16.4 NCRRA]
506+15 CULVERT [3974+10.4 NCRRA]
506+19 CULVERT [3974+06.3 NCRRA]
506+23 CULVERT [3974+02.3 NCRRA]
506+27 CULVERT [3973+98.2 NCRRA]
506+35 END STEEL PIPE [3974+90.1 NCRRA]
506+41 POWER POLE 47' LT [3973+84.0, 23' RT NCRRA]
506+48 ROAD SIGN 47' LT [3973+76.9, 22' RT NCRRA]
507+13 MARKER POLE 25°01'S

#4 505+78 25°01'S MARKER POLE
#5 507+35 25°01'S MARKER POLE

RAILROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 13, T10N AND R10W
MDB&M

D/R-GEYSERVILLE-8

SACRAMENTO →

CL VINEYARD ROAD
NORTH COAST RAILROAD ASSOCIATION SPUR
CL GRAVEL DRIVEWAY
HEADWALL
CULVERT
PAC BELL
EG
G
T
PL
R/W
FIBER
SIGN
30'-0"
25'-0"
MATCH LINE SHT. 043 499+13
MATCH LINE SHT. 045 511+13
499+13
500+00
501+00
502+00
503+00
504+00
505+00
506+00
507+00
508+00
509+00
510+00
511+00
511+13
48"
25°01'S 48"
25°01'S 42"
25°01'S 27"
25°01'S 13½"
25°01'S 15½"
25°01'S 15½"
25°01'S 15

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow / Trench (3) H.D.P.E.	3N

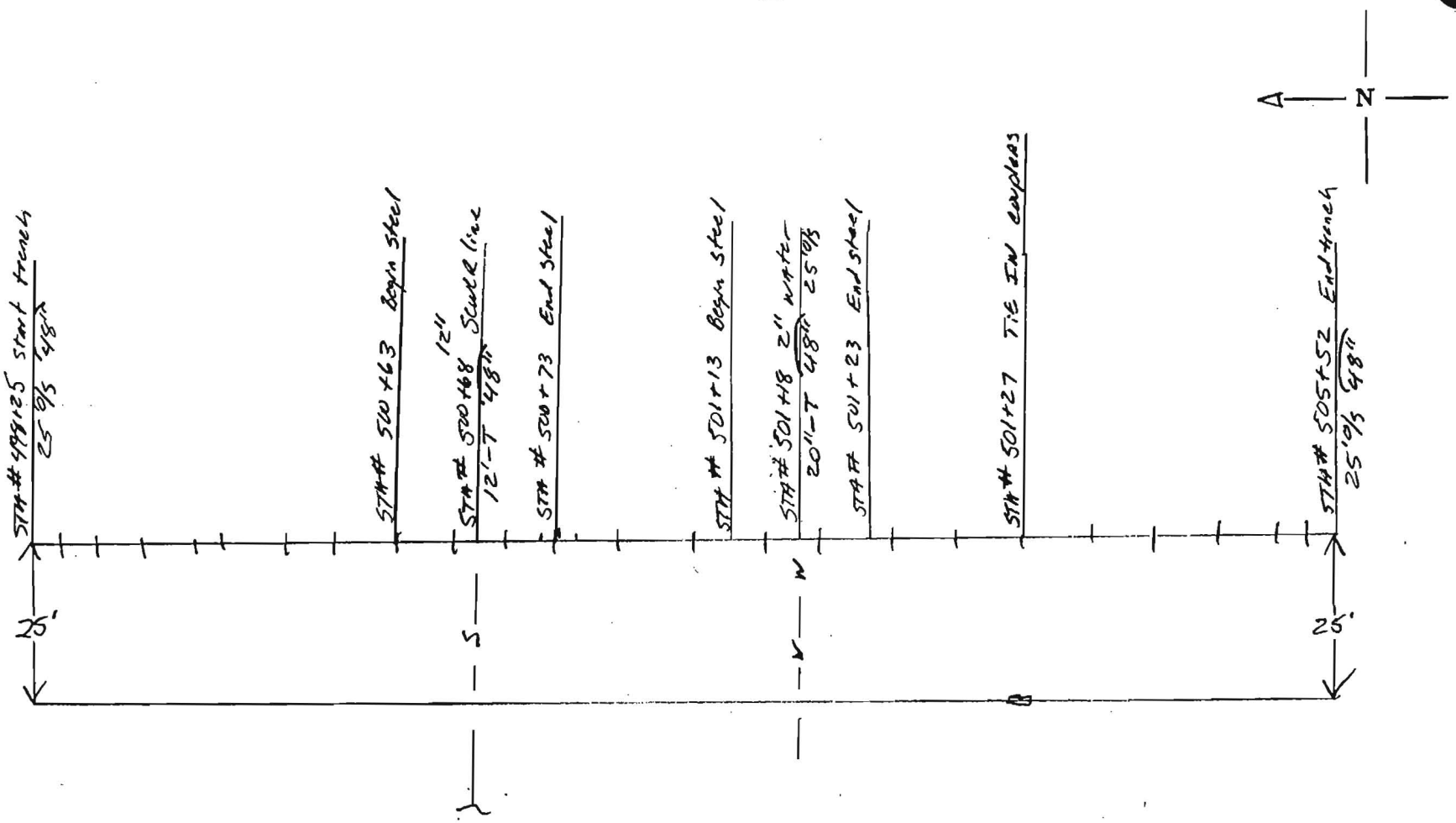
CONTRACTOR: Hinkels & Mccoy INSPECTOR: Kenny Strickland DATE: 6-24-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
[redacted]			
[redacted]			
[redacted]			

CONSTRUCTION AS-BUILT DOCUMENTATION

D	PROJECT #	ALIGN. SHEET #	SHEET #
	4877	44	3



NOTES:
Install 10' 4" steel case under sewer, water

COUNTY
Sonoma

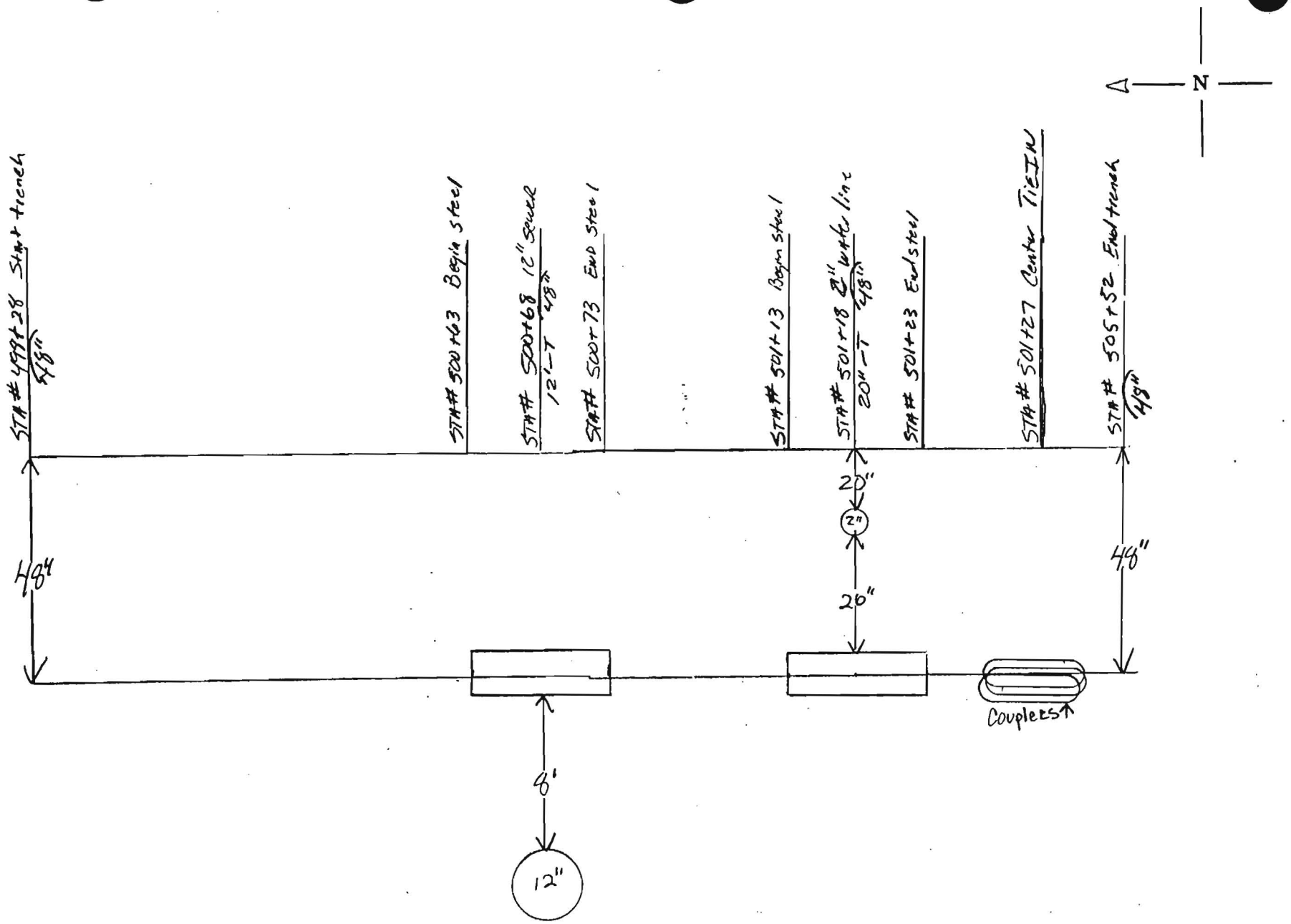
DUCT CONFIGURATION
(2) 1½ (1) 1¼

CONTRACTOR
Hinkels & Mccoy

INSPECTOR
Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

PROJECT # 4877 | ALIGN. SHEET # 44 | #46



NOTES: Install 10' 4" steel case under sewer, water

COUNTY: Sonoma

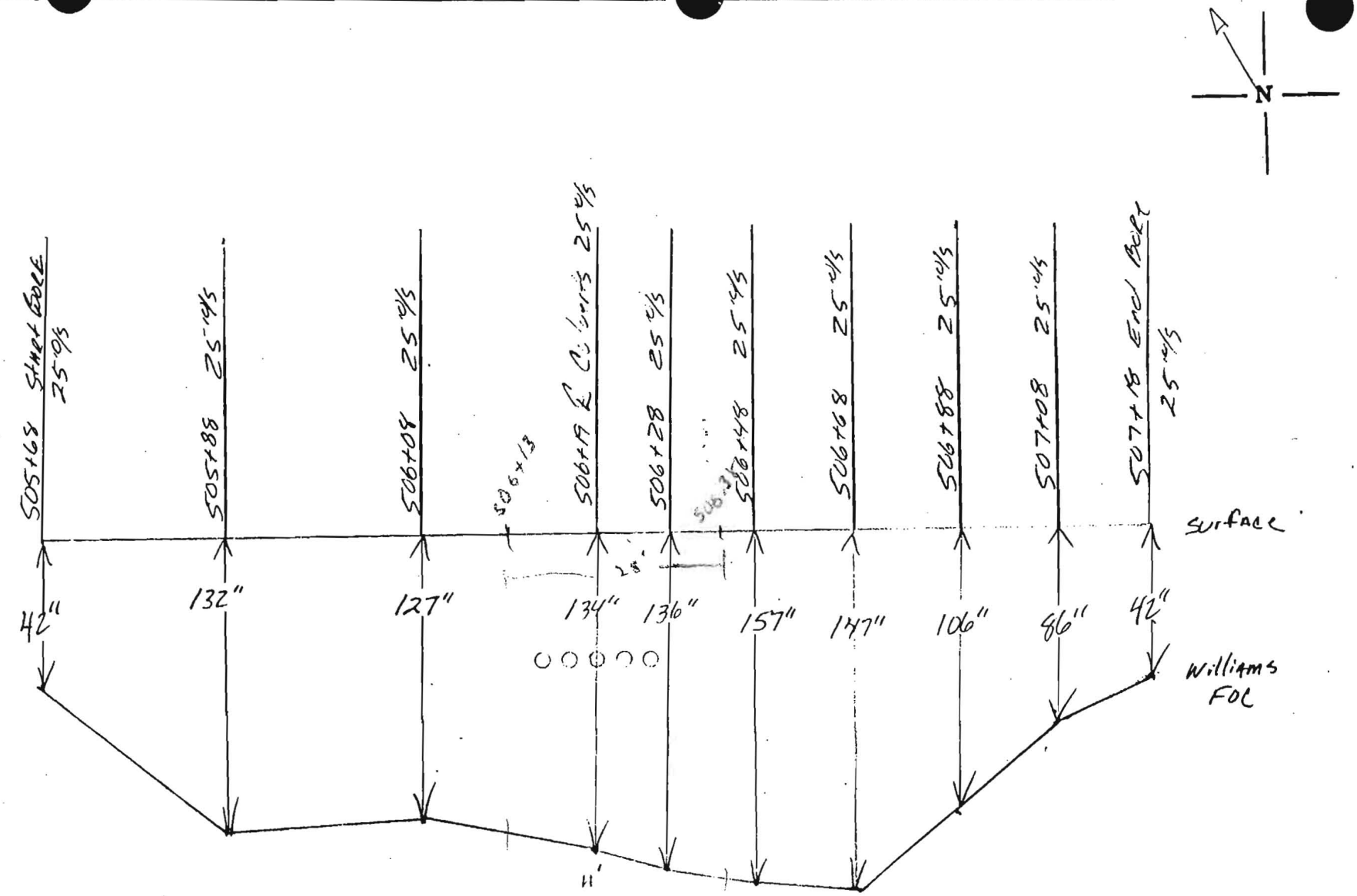
DUCT CONFIGURATION: (2) 1 1/2 (1) 1 1/4

CONTRACTOR: Hinkels & Mccoy

INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

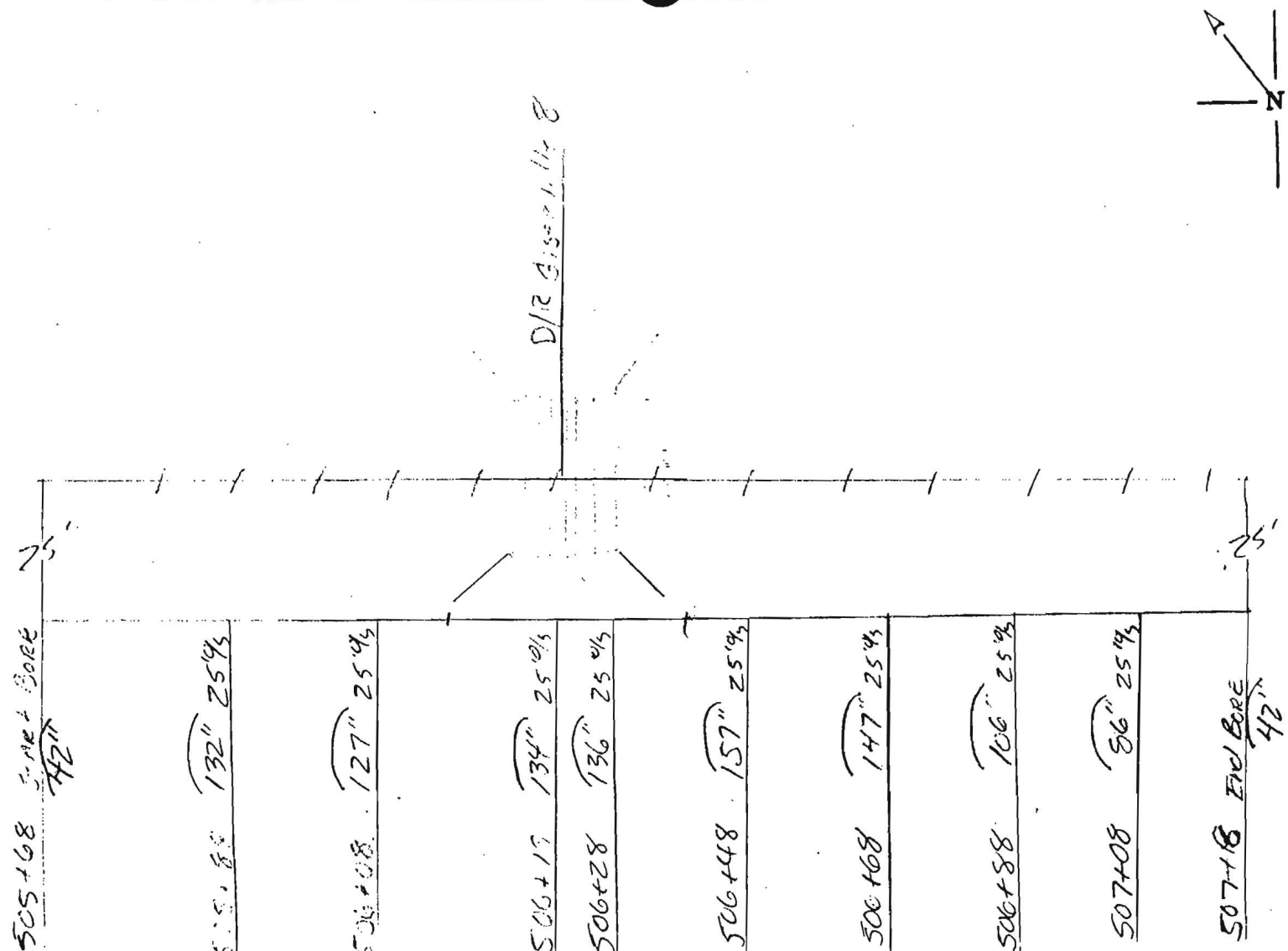
25-60	4877	47	41-14



NOTES:	COUNTY	CONTRACTOR
Pore under D/R Giserville 8	Sonoma	Hinkels
	DUCT CONFIGURATION	INSPECTOR
	2-1 1/2 1-1 1/4	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

[illegible]	PROJECT # 4877	44	[illegible]



NOTES:	COUNTY	CONTRACTOR
[illegible]	[illegible]	Hinkels
	DUCT CONFIGURATION	INSPECTOR
	[illegible]	[illegible] Strickland

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow / Trench (3) H.D.P.E. | SPREAD: 3N

CONTRACTOR: H & M | INSPECTOR: Kenny Strickland | DATE: 8-25-98

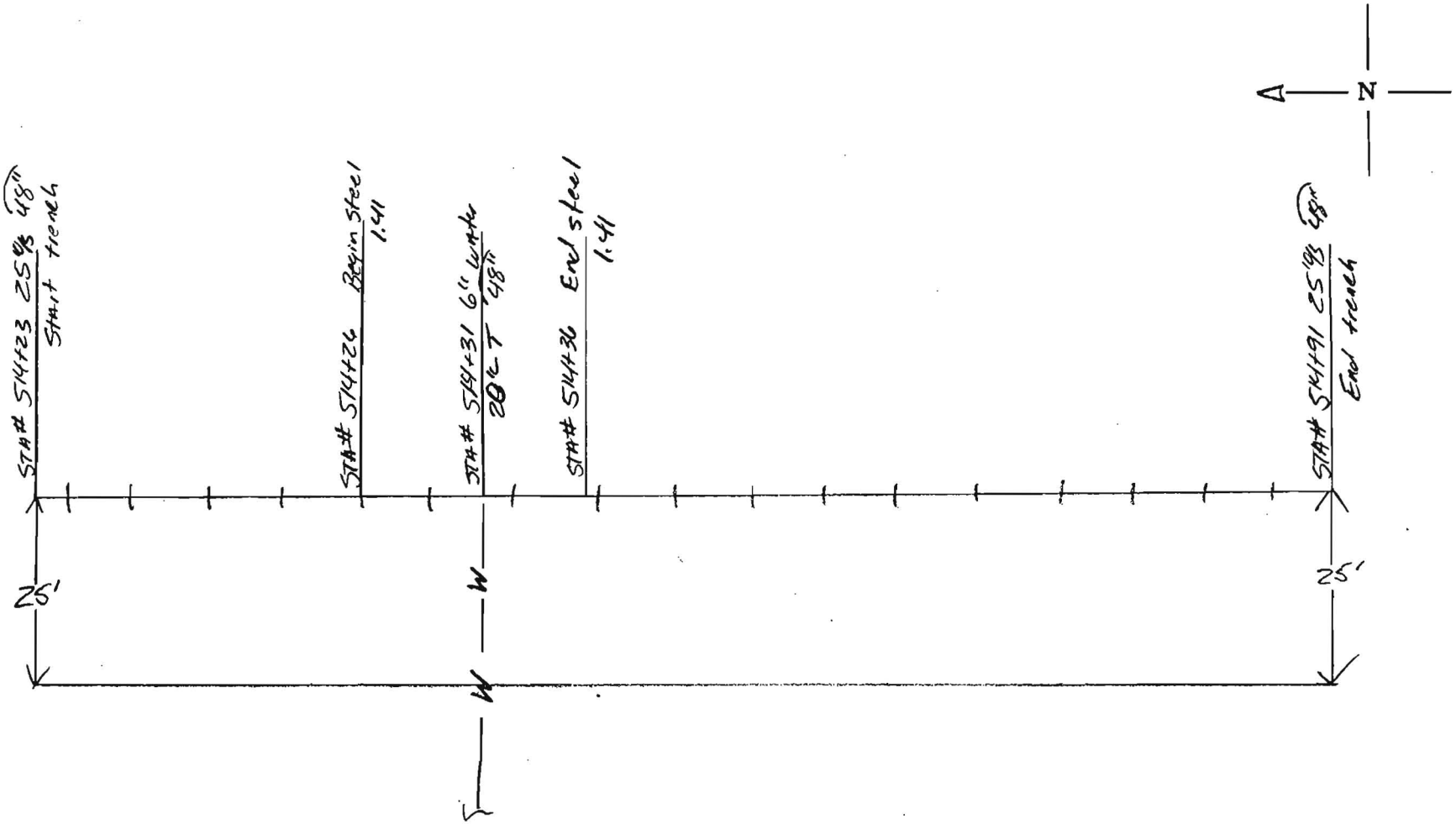
DWG.:# | LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
307 + 23	25'	48"	Start plow
309 + 23	25'	48"	
511 + 23	25'	48"	
513 + 23	25'	48"	
514 + 07	25'	48"	Stop plow
514 + 07	25'	48"	Start trench
514 + 26	25'	48"	Begin steel
514 + 31	25'	48"	6" water 20"-T
514 + 36	25"	48"	End steel
514 + 70	25'	48"	Tie IN couplins
514 + 91	25'	48"	Stop trench
514 + 91	25'	48"	Start plow
515 + 23	25'	48"	
517 + 23	26'	48"	
519 + 23	27'	48"	
521 + 23	26'	48"	
523 + 23	25'	48"	
525 + 23	25'	48"	
527 + 23	25'	48"	
529 + 23	25	48	END plow

current as of: 12/7/98

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	SPREAD #
	4877	44	

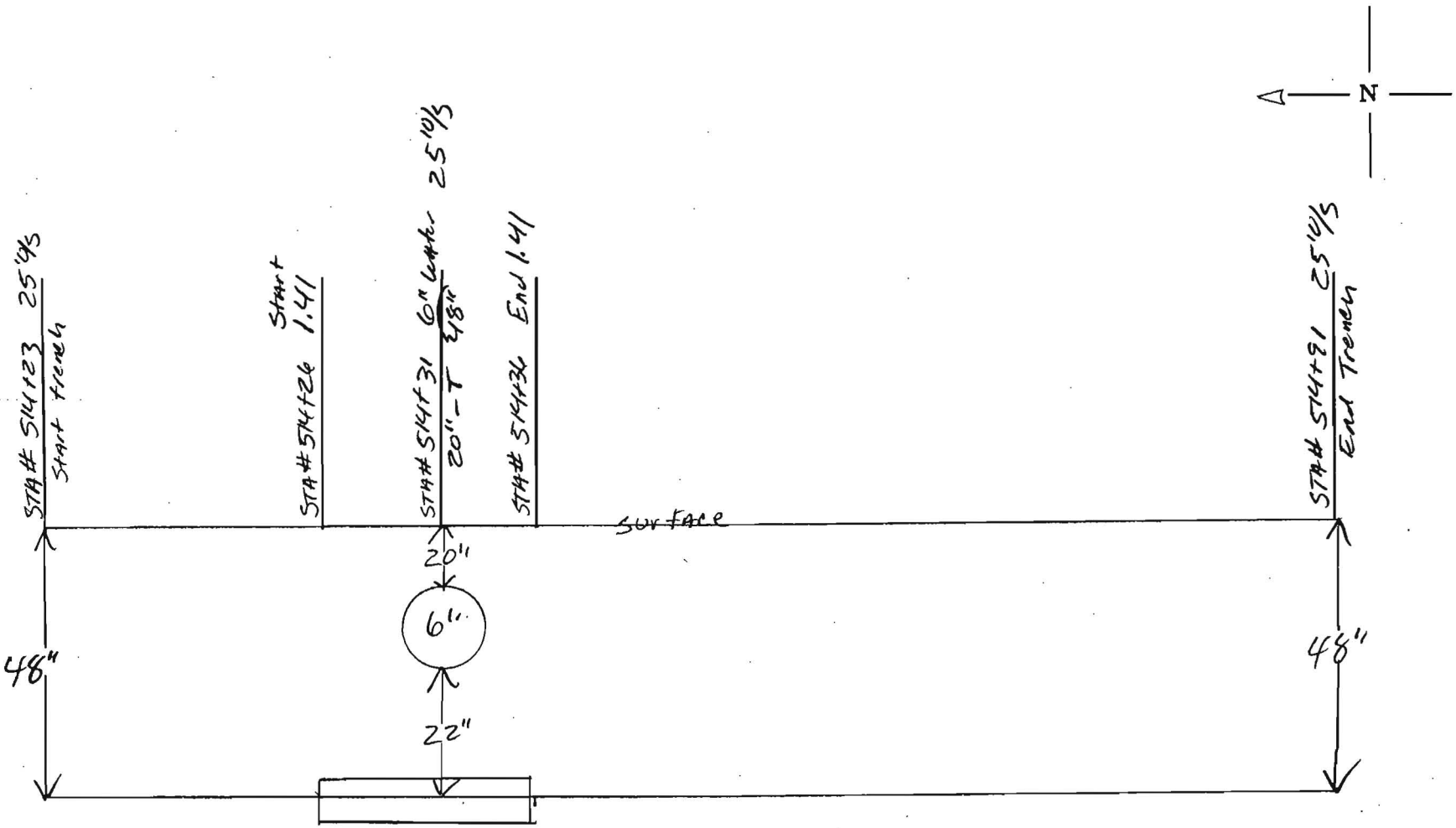


NOTES:
Install (3) H.D. P.E. Instan 10' 41" steel case under water lens

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
12 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	SPREAD #
[redacted]-00	4877	44	[redacted]



NOTES:	COUNTY	CONTRACTOR
Install 10' 4" Steel case under water line	Sonoma	Hinkels & Mccoy
	DUCT CONFIGURATION	INSPECTOR
	(2) 1½ (1) 1¼	Kenny Strickland

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

~~511+03 BCAW STEEL PIPE [3968+12.9 NCRRA]~~
512+03 CL OF DRIVEWAY
[3968+14.8 NCRRA]
~~512+13 END STEEL PIPE [3968+04.7 NCRRA]~~
512+15 ROAD SIGN 8' LT
[3968+02.7, 16' LT NCRRA]
#1 5T2410 MARKER TRUE 77°01'S

514+17 FIBER MARKER 51' LT
[3966+00.1, 26' RT NCRRA]
514+24 POWER POLE 12' LT
[3965+93.0, 13' LT NCRRA]
~~514+45 BCAW STEEL PIPE [3965+71.7 NCRRA]~~
514+50 EXISTING PIPELINE
[3965+66.7 NCRRA]
~~514+56 END STEEL PIPE [3965+61.3 NCRRA]~~

516+42 POWER POLE 13' LT
[3963+72.2, 12' LT NCRRA]

~~518+21 BCAW STEEL PIPE [3961+96.1 NCRRA]~~
~~518+27 WATER LINE [3961+77.7 NCRRA]~~
~~518+34 END STEEL PIPE [3961+70.5 NCRRA]~~
519+12 FIBER MARKER 50' LT
[3960+98.7, 25' RT NCRRA]

~~520+03 BCAW STEEL PIPE [3960+11.6 NCRRA]~~
520+04 CULVERT
[3960+05.5 NCRRA]
~~520+10 END STEEL PIPE [3960+99.5 NCRRA]~~
#2 5T2410 MARKER TRUE 77°01'S

521+43 BCAW STEEL PIPE [3959+64.8 NCRRA]
521+50 CL OF DRIVEWAY
[3959+57.7 NCRRA]
~~521+56 END STEEL PIPE [3959+51.9 NCRRA]~~
522+60 FIBER MARKER 51' LT
[3958+47.3, 26' RT NCRRA]

RAILROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 13, T10N AND R10W
MDB&M

→ SACRAMENTO

#1 (340)

#2 (340)

N

75'DIS 48"

EXISTING PIPELINE

NORTH COAST RAILROAD ASSOCIATION SPUR

PAC BELL

NORTH COAST RAILROAD ASSOCIATION MAINLINE

MATCH LINE SHT. 044 511+13

MATCH LINE SHT. 046 523+16

28'-0" 30'-0" 30'-0" 25'-0" 25'-0" 30'-0"

EG, CL GRAVEL DRIVEWAY, EG, SCH, FIBER, R/W, PL, T, x, W, P

EQUATION
513+14 BK.=
513+16 AHD.
-2

PROPOSED WILLIAMS FIBER ROUTE

CULVERT
CL GRAVEL DRIVEWAY

511+13 512+00 513+00 514+00 515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00 523+00 523+16

48"	25'DIS	25'DIS	48"	75'DIS 48"	75'DIS 48"	75'DIS 48"	48"	76'DIS 48"	48"	77'DIS 48"	48"	42"	
	TRENCH 42" MINIMUM DEPTH		TRENCH	FLOOD GATES	HAND DIG 42" MINIMUM DEPTH	FLOOD GATES	TRENCH	HAND DIG 42" MINIMUM DEPTH		DIRECTIONAL DRILL 60" MINIMUM DEPTH		TRENCH MINIMUM DEPTH	
511+13	511+27	513+73	514+07	514+26 514+36	514+70	514+91	515+73	517+73		519+73		521+73	523+16

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

1203' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

20' – STEEL PIPE | 10' – STEEL PIPE | 12' – STEEL PIPE | 12' – STEEL PIPE | 15' – STEEL PIPE

511+13	514+26	514+36
514+26	514+36	523+16
313'	10	830
1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8.25.00 H&M	1.11 & 1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE 8.25.00 K.STRICKLAND H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8.25.00 H&M

IN BLACK 1.25 HDPE JR SMITS 5.16.01

REV-1 6.12 RD BY

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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALI	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'
VERTICAL SCALE (DWG) :	1"=100'
VERTICAL SCALE (PROF) :	1"=100'
MAP PROJECTION :	MAP-PROJECTION

DRAWING NUMBER : PTAR-SACR-045-SPRD 4

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow / Trench (3) H.D.P.E.	3N

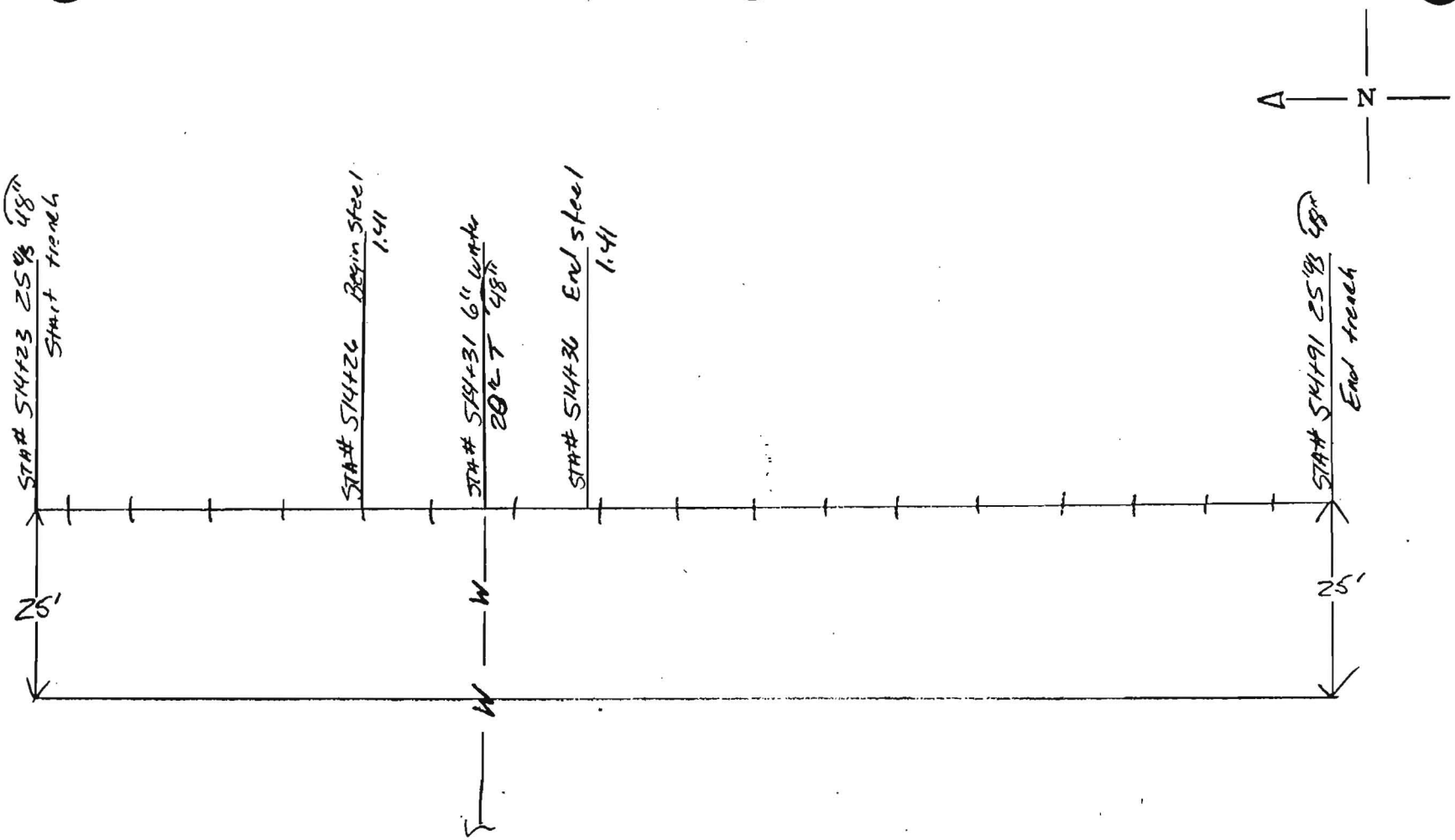
CONTRACTOR: H & M INSPECTOR: [redacted] Strickland DATE: 8-25-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
307 + 23	25'	48"	Start Plow
309 + 23	25'	48"	
511 + 23	25'	48"	
513 + 23	25'	48"	
514 + 07	25'	48"	Stop Plow
514 + 07	25'	48"	Start trench
514 + 26	25'	48"	Begin steel
514 + 31	25'	48"	6" water 20"-T
514 + 36	25"	48"	End steel
514 + 70	25'	48"	Tie In Couplins
514 + 91	25'	48"	Stop trench
514 + 91	25'	48"	Start Plow
515 + 23	25'	48"	
517 + 23	26'	48"	
519 + 23	27'	48"	
521 + 23	26'	48"	
523 + 23	25'	48"	
525 + 23	25'	48"	
527 + 23	25'	48"	
529 + 23	25	48	END Plow

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET#	SPREAD #
[illegible]	4877	44	[illegible]

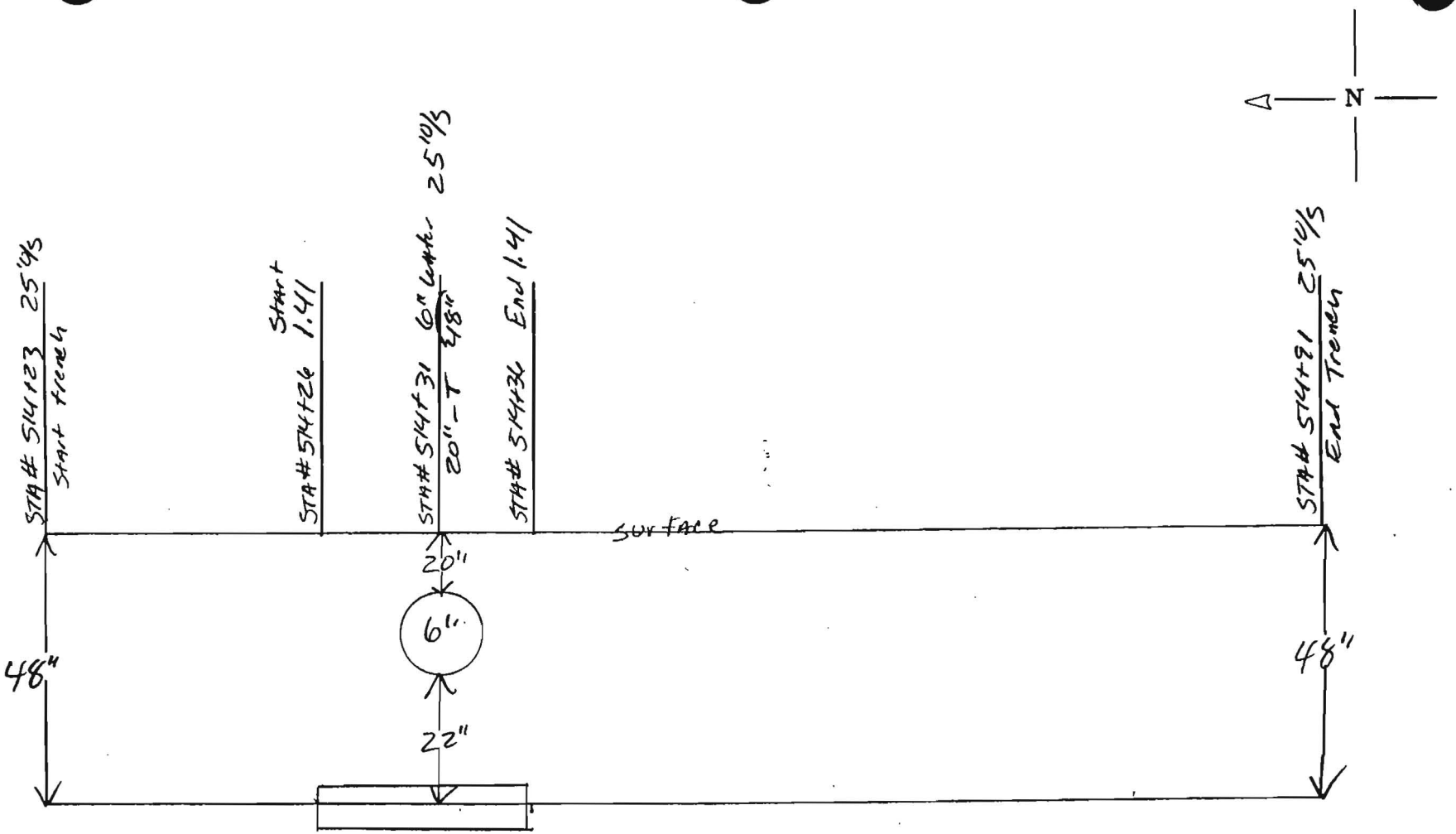


NOTES:
Install (3) H.D. P.E.
Install 10' 4" steel case under water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	SCHEM. #
2-00	4877	44	



NOTES:
Install 10' 4" steel case under water line

COUNTY: Sonoma

DUCT CONFIGURATION: (2) 1½ (1) 1¼

CONTRACTOR: Hinkels & Mccoy

INSPECTOR: Kenny Strickland

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

527+70 FIBER MARKER 49' LT [3952+29.7, 24' RT NCRRA]
527+91 MARKER POLE 78'DIS
529+72 CULVERT [3950+25.1 NCRRA]
529+75 CULVERT [3950+22.1 NCRRA]
529+84 CULVERT [3950+12.9 NCRRA]
529+90 CULVERT [3950+06.9 NCRRA]
529+96 CULVERT [3950+00.8 NCRRA]
530+04 FIBER MARKER 61' LT [3949+92.7, 36' RT NCRRA]
530+67 POWER POLE 13' LT [3949+28.9, 12' LT NCRRA]
530+90 MARKER POLE 76'DIS
532+98 POWER POLE 13' LT [3946+94.9, 12' LT NCRRA]
534+76 POWER POLE 11' LT [3945+14.6, 14' LT NCRRA]

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 13, T10N AND R10W
MDB&M

SACRAMENTO

N

GEYSERVILLE-7

NORTH COAST RAILROAD ASSOCIATION SPUR

NORTH COAST RAILROAD ASSOCIATION MAINLINE

CULVERT
CULVERT
CULVERT
CULVERT
CULVERT

PAC BELL

MATCH LINE SHT. 045 523+16

MATCH LINE SHT. 047 535+05

PROPOSED WILLIAMS FIBER ROUTE

DIRECTIONAL DRILL
60" MINIMUM DEPTH

END FLOW/REC TRENCH
REC BORE
END FLOW/REC TRENCH
REC BORE
REC FLOW / END BORE
REC FLOW / END BORE
SPLICE DISTANCE

523+16
523+23
525+23
527+23
529+23
529+34
529+94
530+24
530+59
532+59
534+47
534+59
535+05

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
1189' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
35' – STEEL PIPE

523+16 to 529+23	529+23 to 529+34	529+34 to 530+59	530+59 to 535+05
L.07'	11	125'	946'
1.11	TRENCH	BORE	1.11
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
K STRICKLAND	J MCKOY	J McKOY	K STRICKLAND
8-29-00	1-9-01	11-8-00	8-28-00
HEM	HEM.	HEM.	HEM

REV-1

IN BLACK 1.25" HDPE
L.12 PD BY JR SMITS 5-16-01

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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALI	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'
VERTICAL SCALE (DWG) :	1"=100'
VERTICAL SCALE (PROF) :	1"=100'
MAP PROJECTION :	MAP-PROJECTION

DRAWING NUMBER : PTAR-SACR-046-SPRD 4

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow / Trench (3) H.D.P.E.	3N

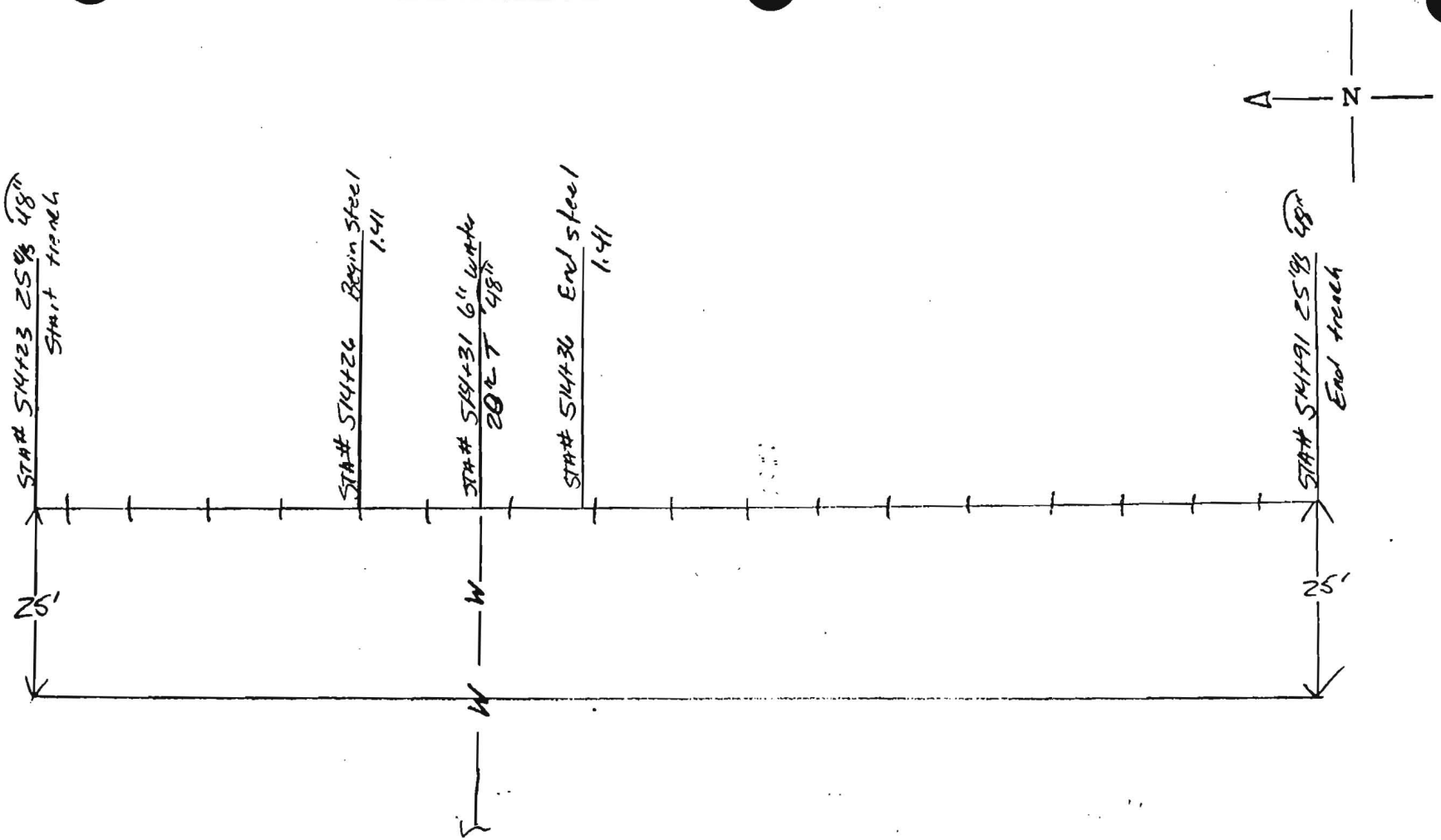
CONTRACTOR: H & M INSPECTOR: J. Strickland DATE: 8-25-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
307 + 23	25'	48"	Start Plow
309 + 23	25'	48"	
511 + 23	25'	48"	
513 + 23	25'	48"	
514 + 07	25'	48"	Stop Plow
514 + 07	25'	48"	Start trench
514 + 26	25'	48"	Begin steel
514 + 31	25'	48"	6" water 20"-T
514 + 36	25"	48"	End steel
514 + 70	25'	48"	Tie In Couplings
514 + 91	25'	48"	Stop trench
514 + 91	25'	48"	Start Plow
515 + 23	25'	48"	
517 + 23	26'	48"	
519 + 23	27'	48"	
521 + 23	26'	48"	
523 + 23	25'	48"	
525 + 23	25'	48"	
527 + 23	25'	48"	
529 + 23	25	48"	End Plow

CONST[illegible]TION AS-BUILT DOCUMENTATION

PROJECT # 4877 | 44

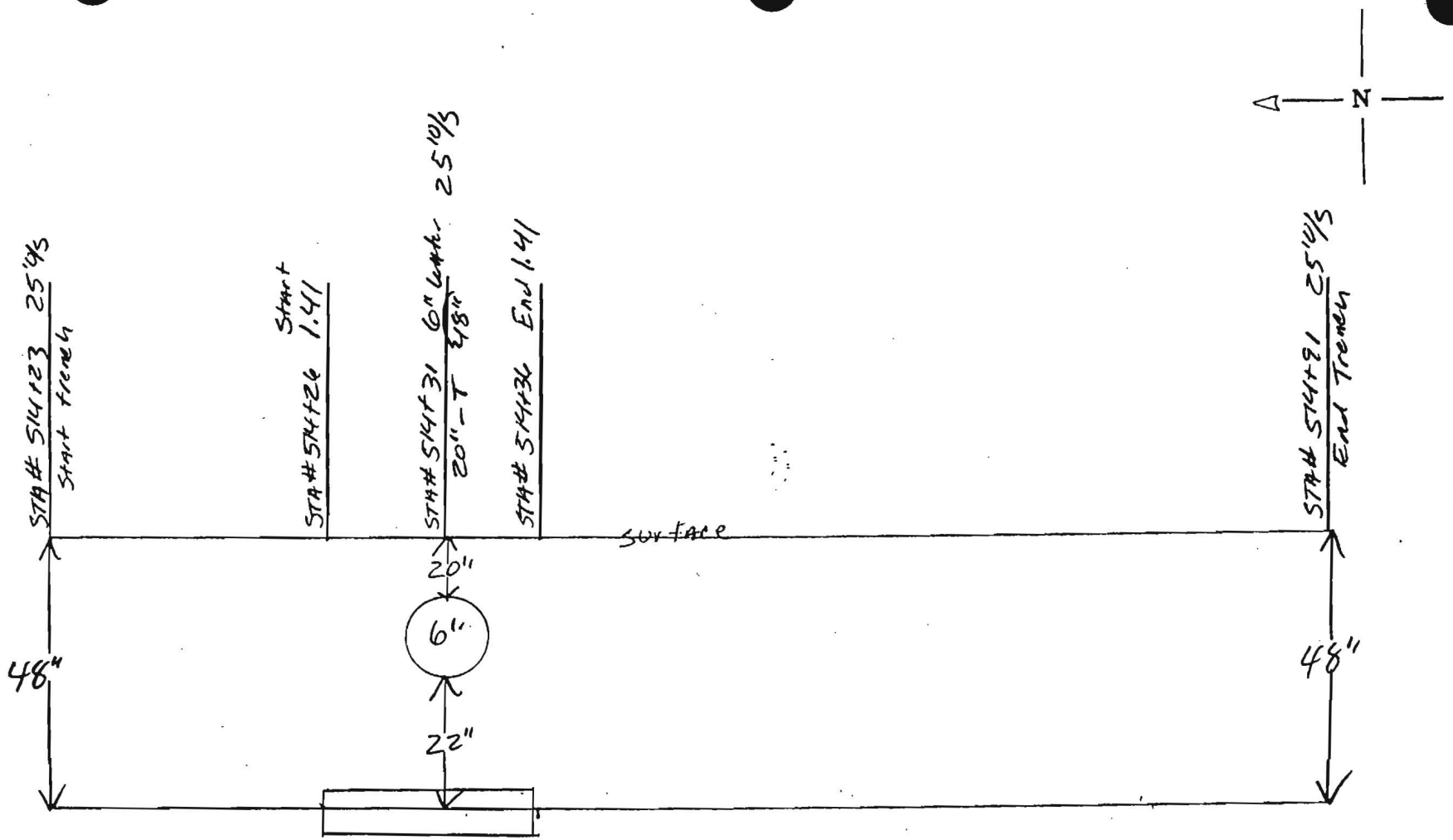


NOTES:
Install (3) H.D. P.E.
Install 10' 4" steel case under water line

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1 1/2 (1) 1 1/4	Kenny Strickland

CONST TION AS-BUILT DOCUMENTATION

	00	4877	4/4



NOTES:
Install 10' 4" Steel case under water line

COUNTY: Sonoma

CONTRACTOR: Hinkels & Mccoy

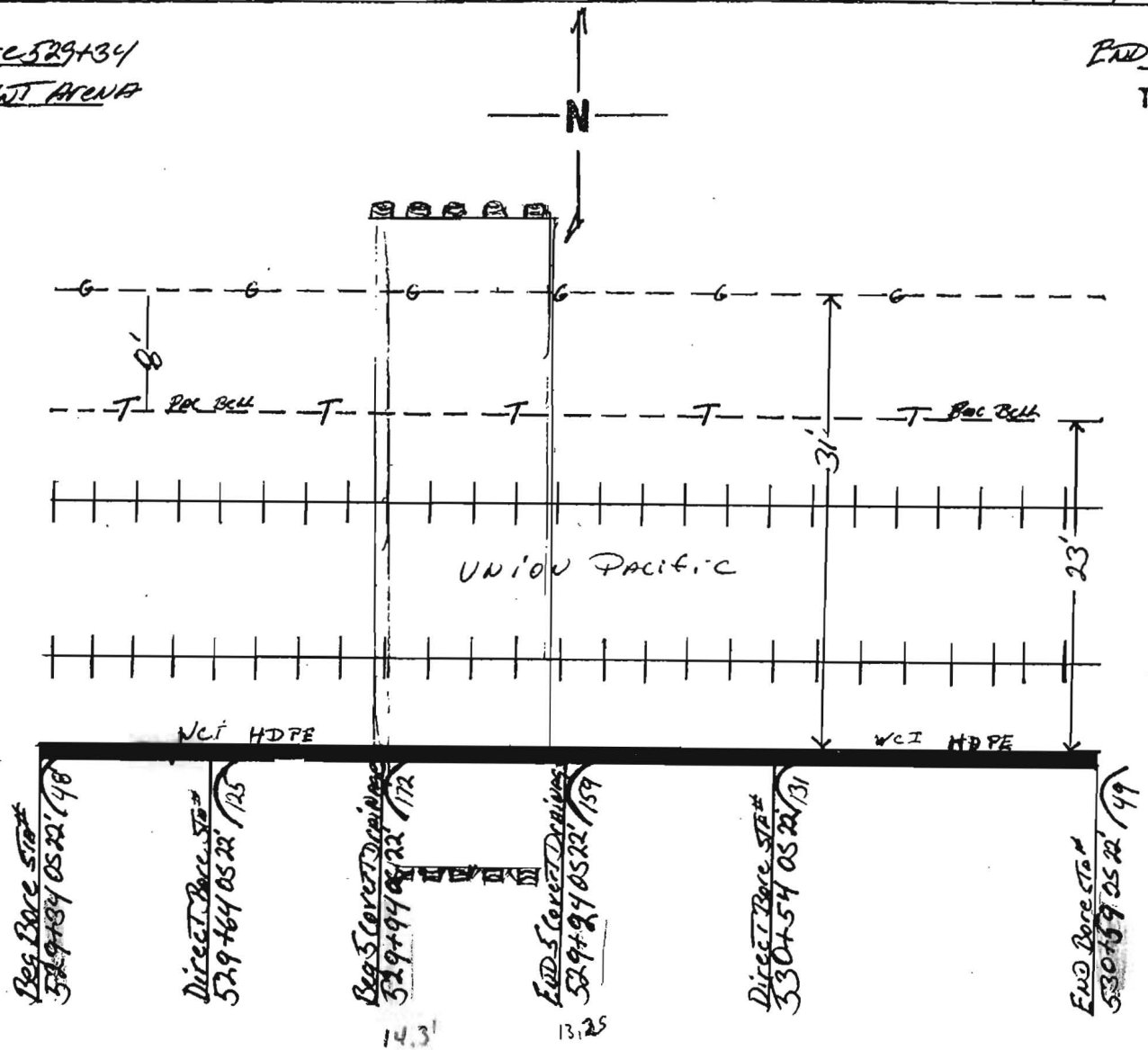
DUCT CONFIGURATION: (2) 1½ (1) 1¼

INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 11-8-00	PROJECT # 4875	DWG / ALIGNMENT SHEET 046	SPREAD # 3 NORTH

Beg Bore 529+34
FROM: Bitt Arena

End Bore 530+78
TO: Sacramento



NOTES: Direct Bore As built D-Geyerville-7	COUNTY: SONOMA	CONTRACTOR: Henkels McCoy
	DUCT CONFIGURATION: 3 CONDUITS 2-1½ + 1-1¼	INSPECTOR: Jeff D McKoy

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD: 3N

CONTRACTOR: Winkle & Merry INSPECTOR: Kenny Strickland DATE: 8-28-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
530+59	25'10/S	48"	Start Plow
532+59	23'10/S	48"	
534+42	24'10/S	48"	Coupler (orange)
534+59	22'10/S	48"	
536+59	22'10/S	48"	
537+94	22'10/S	48"	End Plow
[redacted]			

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

535+95 POWER POLE 50' LT [3943+94.1, 25' RT NCRRA]
~~536+82 BEGIN STEEL PIPE [3943+06.0 NCRRA]~~
536+88 CULVERT [3942+99.9 NCRRA]
~~537+04 END STEEL PIPE [3942+93.8 NCRRA]~~
537+72 POWER POLE 50' LT [3942+14.8, 25' RT NCRRA]
536+16 FIBER MARKER 49' LT [3941+70.3, 24' RT NCRRA]
~~536+19 BEGIN STEEL PIPE [3941+67.0 NCRRA]~~
538+39 CL OF ROAD [3941+47.0 NCRRA]
538+56 TELEPHONE PED 9' LT [3941+29.7, 16' LT NCRRA]
~~538+59 END STEEL PIPE [3941+27.7 NCRRA]~~
538+71 FIBER MARKER 50' LT [3941+14.5, 25' RT NCRRA]
539+34 MARKER POLE 27'DIS
539+47 POWER POLE 49' LT [3940+37.6, 24' RT NCRRA]
540+65 ROAD SIGN 49' LT [3939+18.1, 24' RT NCRRA]
541+21 POWER POLE 48' LT [3938+61.3, 23' RT NCRRA]
542+92 POWER POLE 46' LT [3936+88.1, 21' RT NCRRA]
543+57 FIBER MARKER 12' RT [3936+22.5, 36' LT NCRRA]
~~544+50 BEGIN STEEL PIPE [3935+19.9 NCRRA]~~
544+65 POWER POLE 48' LT [3935+12.9, 23' RT NCRRA]
544+74 UG POWER LINE [3935+03.8 NCRRA]
~~544+89 END STEEL PIPE [3934+88.6 NCRRA]~~
546+39 POWER POLE 48' LT [3933+36.7, 23' RT NCRRA]

RAILROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 18, T10N AND R9W
MDB&M

→ SACRAMENTO

#2 #1

22°DIS 48"
18°DIS 48"

CL WOODS LANE
CULVERT
TELEPHONE PEDESTAL
EP RAILROAD AVENUE
PAC BELL
NORTH COAST RAILROAD ASSOCIATION SPUR
PROPOSED WILLIAMS FIBER ROUTE
NORTH COAST RAILROAD ASSOCIATION MAINLINE
CL ASPHALT DRIVEWAY BORE WITHOUT PIPE
UNDERGROUND POWER LINE
SIGN
FIBER
EP
R/W
PL
P
T
X

MATCH LINE SHT. 046 535+05
MATCH LINE SHT. 048 547+05
30'-0"
30'
25'-0"

538+00 537+00 538+00 539+00 540+00 541+00 542+00 543+00 544+00 545+00 546+00 547+00

N

TRENCH MINIMUM DEPTH 42"
DIRECTIONAL DRILL MINIMUM DEPTH 60"
BEG PLOW / BEG TRENCH
BEG STEEL
END PLOW / END STEEL
DRILL DEPTH
HAND DIG 42" MINIMUM DEPTH
BEG STEEL 5"
END STEEL 5"
18"DIS
52"
BEG ASPHALT
END PLOW

535+05 547+05

536+82	537+94	538+19	538+33	538+50	538+59	538+87	544+67
537+94	538+19	538+33	538+50	538+59	538+87	544+67	547+05
239'	25'	14'	17'	9'	28'	580'	238'
1.11 2-1.5" HDPE 1-1.25" HDPE KSTRICKLAND 8-28-00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE JOHN PADGETT 9-19-00 H&M	1.11 & 1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JOHN PADGETT H&M 9-19-00	1.11 & 3.22 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JOHN PADGETT H&M 9-19-00	1.11 & 1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JOHN PADGETT H&M 9-19-00	1.11 2-1.5" HDPE 1-1.25" HDPE JOHN PADGETT 9-19-00 H&M 9-19-00	1.11 2-1.5" HDPE 1-1.25" HDPE KSTRICKLAND 8-28-00 H&M	TRENCH 2-1.5" HDPE 1-1.25" HDPE JEFF McKOY 11-16-00 H&M

IN BLACK 1.25 HDPE
6.12 PD BY JR SMITS 5-16-01

REV-1

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)
12' – STEEL PIPE — 40' – STEEL PIPE — 30' – STEEL PIPE

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
1-888-265-2283
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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALI	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP–PROJECTION	
DRAWING NUMBER : PTAR–SACR–047–SPRD 4	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD: 3N

CONTRACTOR: Hinkle & Mercy INSPECTOR: Kenny Strickland DATE: 5-28-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
530+59	25'0"S	48"	Start Plow
532+59	23'4"S	48"	
534+42	24'4"S	48"	Coulter (crossed)
534+59	22'9"S	48"	
536+59	22'4"S	48"	
537+94	22'0"S	48"	End Plow
[redacted]			

current as of: 12/7/98

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

548+20 POWER POLE 47' LT [3931+53.4, 22' RT NCRRA] 5481+34 MARKER POLE 23'DIS

~~549+28 BCDN STEEL PIPE [3930+30.0 NCRRA]~~
549+40 EDGE OF PAVEMENT MANHOLE 4' LT [3930+31.8, 21' LT NCRRA]
549+49 CL OF ROAD [3930+22.7 NCRRA]
549+58 EDGE OF PAVEMENT [3930+13.6 NCRRA]
~~549+65 WATER LINE [3930+06.5 NCRRA]~~
~~549+68 END STEEL PIPE~~
FIRE HYDRANT 1' RT [3930+02.4 NCRRA]
549+93 POWER POLE 51' LT [3929+78.1, 26' RT NCRRA] 5491+62 MARKER POLE 35'DIS

~~550+29 BCDN STEEL PIPE [3928+40.4 NCRRA]~~
551+35 CULVERT [3928+34.3 NCRRA]
~~551+62 END STEEL PIPE~~
~~551+62 CL CULVERT~~
551+62 POWER POLE 51' LT [3928+07.0, 26' RT NCRRA]

551+82 RR MILE MARKER 76 [3927+86.7 NCRRA]

553+43 POWER POLE 49' LT [3926+22.6, 24' RT NCRRA]
553+68 MANHOLE 1' LT [3925+97.1, 24' RT NCRRA]
553+78 POWER POLE 3' RT [3925+87.0, 28' LT NCRRA]

555+17 POWER POLE 52' LT [3924+45.3, 27' RT NCRRA] 5554+61 MARKER POLE 30'DIS

556+91 POWER POLE 52' LT [3922+68.0, 27' RT NCRRA]

5571+90 SPLICE ALL 15'DIS 48"
558+05 NCRRA R/W CHANGE [3921+51.8 NCRRA]
~~558+06 BCDN STEEL PIPE~~
~~RAIL CHANGE~~
[3921+50.8 NCRRA]
558+11 SEWER LINE [3921+45.7 NCRRA]
~~558+16 BCDN STEEL PIPE~~
[3921+40.8 NCRRA]

558+52 POWER POLE 55' LT [3921+03.9, 25' RT NCRRA]

558+97 R/L CHANGE [3920+58.0 NCRRA]

#2 #3 #4 #1

RAILROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 18, T10N AND R9W
MDB&M

→ SACRAMENTO

N

CL MERRILL ROAD
EP RAILROAD AVENUE
PAC BELL
NORTH COAST RAILROAD ASSOCIATION SPUR
NORTH COAST RAILROAD ASSOCIATION MAINLINE
558+97 PI LEFT
558+06 PI RIGHT
CULVERT
PROPOSED WILLIAMS FIBER ROUTE
DIRECTIONAL DRILL 60" MINIMUM DEPTH
HAND DIG 42" MINIMUM DEPTH

MATCH LINE SHT. 047 547+05
MATCH LINE SHT. 049 559+06

18'DIS 52" 15'DIS 48" 30'-0" 25'-0" 40'-0" 70'-0"

547+05 547+17 547+67 547+72 548+17 548+67 549+17 549+27 549+79 551+79 553+79 555+79 554+94 557+20 557+30 557+50 557+95 558+05 558+16 558+21 559+06

	REC STEEL	END STEEL	18'DIS	18'DIS	END TREATMENT / REC BORE	REC OF PAVEMENT	END OF PAVEMENT	REC PLOW				DIG TRENCH	REC STEEL END STEEL			REC STEEL END STEEL	END TRENCH			
	547+67	547+72	547+17	548+67	549+27	549+37	549+67	549+71				554+94	557+20	557+30	557+50	557+95	558+05	558+16	558+21	

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
1201' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

40' – STEEL PIPE | 12' – STEEL PIPE | 10' – STEEL PIPE

547+05 to 549+27	549+27 to 549+79	549+79 to 554+94	554+94 to 557+20	557+20 to 557+30	557+30 to 557+95	557+95 to 558+05	558+05 to 558+21	558+21 to 559+06
"222'	52'	715'	26'	10'	65'	10'	16'	85'
TRENCH	BORE	1.11	1.11	1.11 & 1.41	1.11	1.11 & 1.41	1.11	1.11
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	5" STEEL	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	2-1.5" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
JEFF McKOY	JEFF McKOY	K STRICKLAND	C. GIER	1-1.25" HDPE	C. GIER	5" STEEL	C. GIER	K STRICKLAND
11_16_00	11_14_00	8_28_00	8_29_00	8_29_00	8_29_00	C. GIER	8_29_00	8_28_00
HDM -	HDM -	HDM -	HDM	HDM	HDM	8_29_00	HDM	HDM
				C. GIER		HDM		
				*5571+75 = WATER XING		*5581+00 = GAS LINE XING		

IN BLACK 1.25 HDPE
6,12 PD BY JR SMITS 5_16_01

REV-1

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
1–888–265–2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	07/00

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 : ALJ	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'
VERTICAL SCALE (DWG) :	1"=100'
VERTICAL SCALE (PROF) :	1"=100'
MAP PROJECTION :	MAP–PROJECTION

DRAWING NUMBER : PTAR–SACR–048–SPRD 4

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:

SPREAD: 3N

CONTRACTOR: Hinkle & Mercy INSPECTOR: Kenny Strickland DATE: 5-28-09

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
530+59	25'0/S	48"	Start Plow
532+59	23'0/S	48"	
534+42	24'0/S	48"	Coupler (Crossing)
534+59	22'0/S	48"	
536+59	22'0/S	48"	
537+94	22'0/S	48"	End Plow
[redacted]			

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: INSPECT OPEN TRENCH And. PLACE 4" Steel Conduit

SPREAD: 3. NORTH

CONTRACTOR: Henkels + McCoy INSPECTOR: John Padgett DATE: 9-18-00

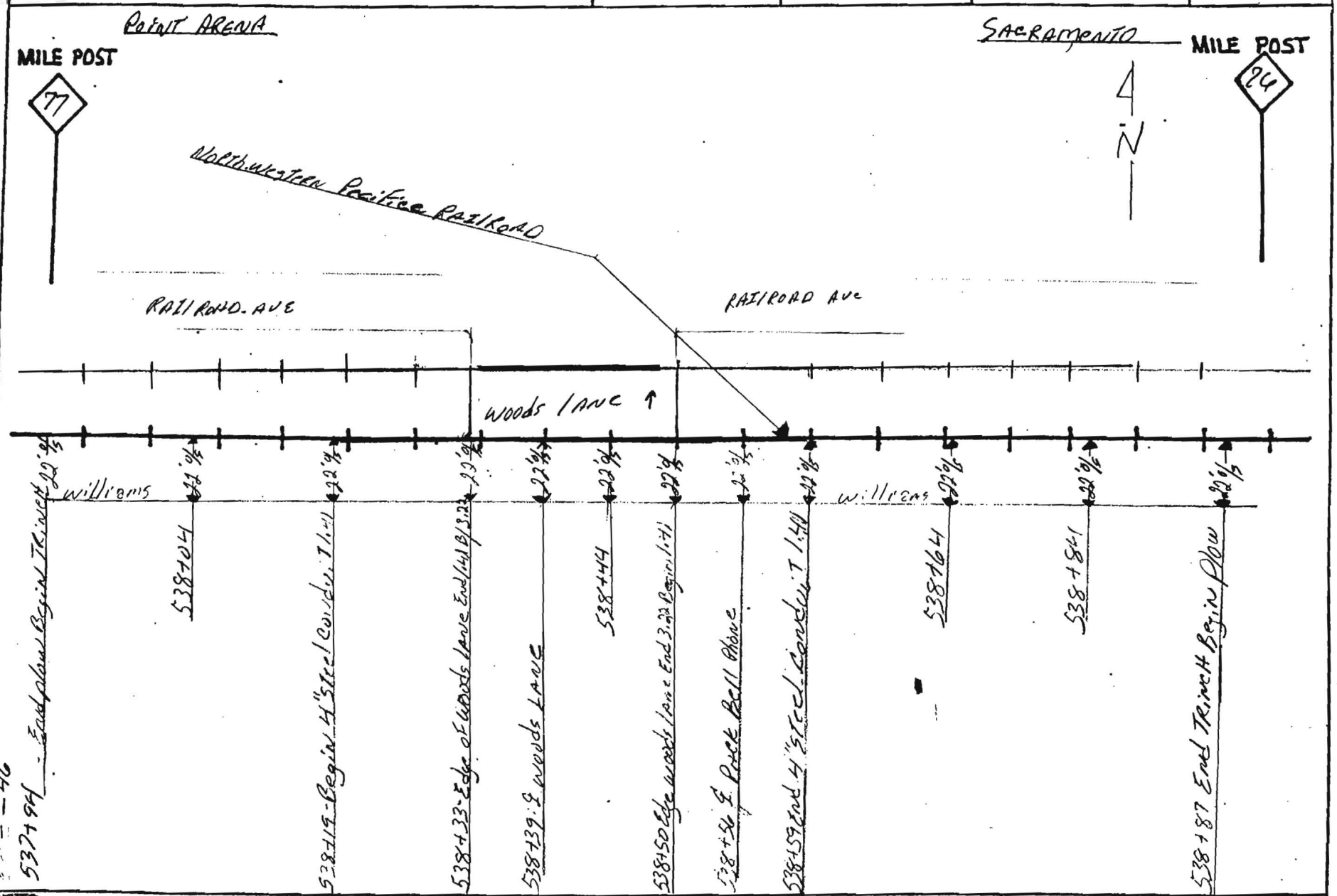
DWG.:# 047 LOCATION: R.R.

STATION:	OFFSET:	DEPTH:	NOTES:
537+94	22'	48"	End plow Begin TRENCH. 1.11
537+94	22'	50"	
538+04	22'	60"	
538+14	22'	64"	
538+19	22'	64"	Begin 4" Steel Conduit 1.41
538+24	22'	64"	
538+33	22'	64"	Edge of Woods Lane End 1.41 Begin 3.22
538+39	22'	64"	& Woods Lane
538+44	22'	64"	
538+50	22'	64"	Edge Woods Lane End 3.22 Begin 1.41
538+56	22'	64"	& Pack Bell Phone 40" Top Grade
538+59	22'	64"	End 4" Steel conduit 1.41 ~~Begin~~ 1.11
538+64	22'	60"	
538+74	22'	54"	
538+84	22'	48"	
538+87	22'	48"	End TRENCH Begin plow END 1.11

current as of: 12/7/98

Villiar[redacted] CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #:	DWG/ALIGNMENT SHEET #:	S[redacted]R:
5[redacted]00	99A1541.14	047	NORTH



NOTES: INSPECT OPEN TRENCH AND PLACE 4" STEEL CONDUIT

COUNTY: SONOMA

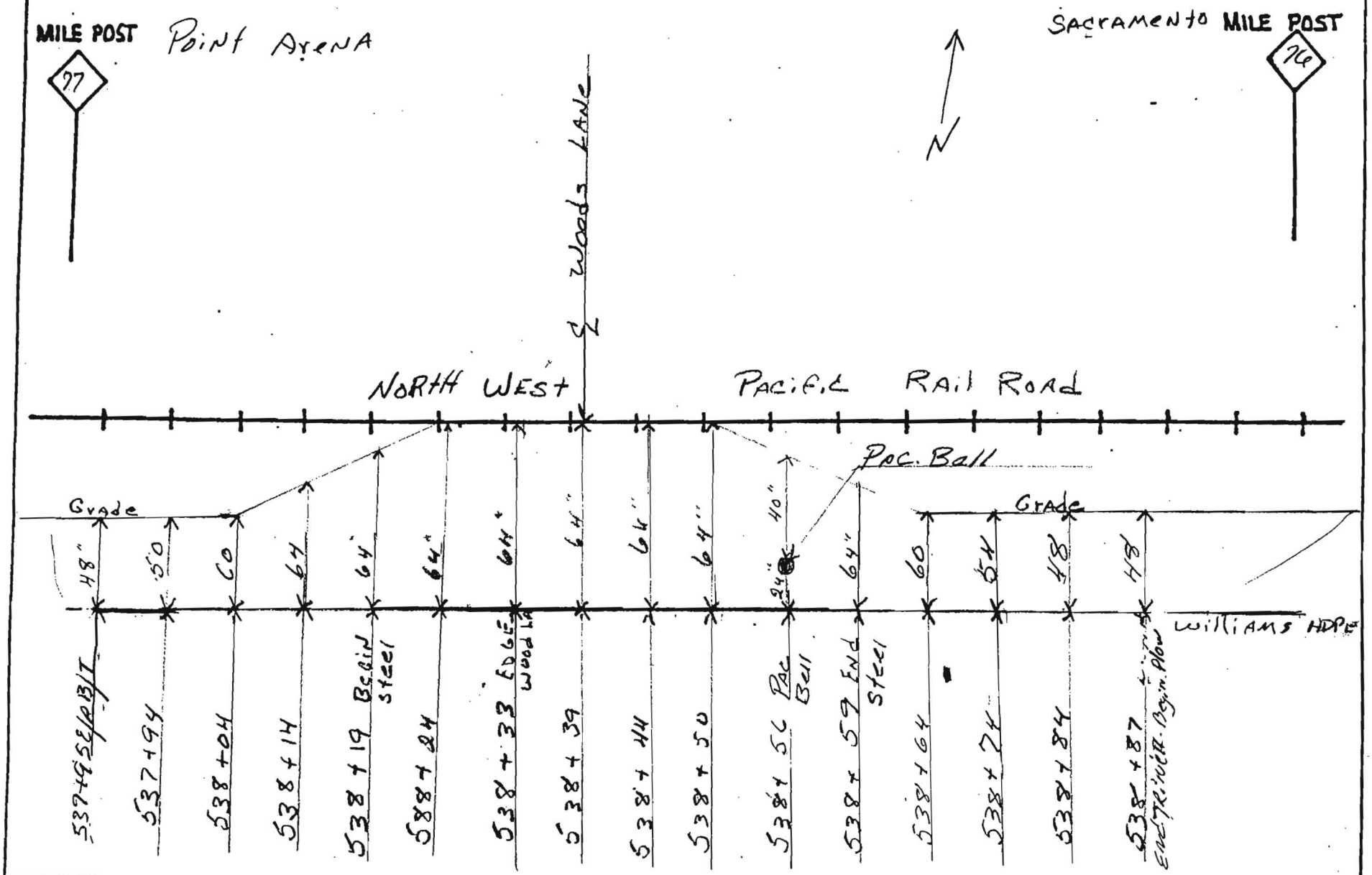
CONTRACTOR: Henkels & McCoy

DUCT CONFIGURATION: 2-1x50 1-1x25 H.D.P.E.

INSPECTOR: John Padgett

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	Sh
9-19-00	99P-15A1-14	047	3N



NOTES: Installed 5" Steel Pipe
1-1½ ORANGE 1-1½ BLUE 1¼ BLACK HDPE

COUNTY: SONOMA

DUCT CONFIGURATION: 2-1½" 1-1¼" HDPE

CONTRACTOR: Henkels McCoy

INSPECTOR: John Padgett

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

560+03 POWER POLE 81' LT [3919+50.0, 26' RT NCRRA]
560+60 ROAD SIGN 21' LT [3918+91.9, 14' LT NCRRA]
561+55 POWER POLE 60' LT [3917+95.1, 25' RT NCRRA]
561+74 BEGIN STEEL PIPE R/L CHANGE PLACE HANDHOLE [3917+75.7 NCRRA]
562+09 RAILROAD TRACK [3917+75.7 NCRRA]
562+12 RAILROAD TRACK [3917+75.7 NCRRA]
562+28 TELEPHONE LINE [3917+75.7 NCRRA]
562+44 END STEEL PIPE R/L CHANGE PLACE HANDHOLE [3917+75.7 NCRRA]
562+69 BEGIN STEEL PIPE [3917+48 NCRRA]
562+91 SEWER LINE [3917+27.8 NCRRA]
563+02 FIBER MARKER 16' RT [3917+16.8, 18' RT NCRRA]
563+10 FIBER MARKER 86' RT [3917+08.5, 52' LT NCRRA]
563+20 ROAD SIGN 8' RT [3916+98.3, 28' RT NCRRA]
563+33 EDGE OF PAVEMENT [3916+85.0 NCRRA]
563+46 CL OF ROAD [3916+71.8 NCRRA]
563+55 EDGE OF PAVEMENT WATER LINE [3916+62.6 NCRRA]
563+69 END STEEL PIPE [3916+48.3 NCRRA]
563+61 POWER POLE 4' LT [3916+56.5, 39' RT NCRRA]
563+78 POWER POLE 13' RT [3916+38.2, 23' RT NCRRA]
564+00 POWER POLE 17' RT [3916+16.8, 18' RT NCRRA]
#1 SWITCH MARKER POLE
#2 5/8" PK NAIL & TAG
#3 5/8" REBAR W/ CAP
#4 5/8" REBAR W/ CAP
#5 5/8" REBAR W/ CAP
RAILROAD STATIONING
567+31 POWER POLE 13' RT [3912+79.4, 22' RT NCRRA]
569+74 FIBER MARKER 15' RT [3910+31.8, 20' RT NCRRA]
571+01 POWER POLE 13' RT [3909+02.4, 22' RT NCRRA]
571+36 R/L CHANGE [3908+66.7 NCRRA]
571+41 BEGIN STEEL PIPE [3908+61.6 NCRRA]
571+46 SEWER LINE [3908+56.5 NCRRA]
571+57 END STEEL PIPE [3908+45.4 NCRRA]
571+57 R/L CHANGE [3908+45.3 NCRRA]
571+63 NCRRA R/W CHANGE [3908+39.2 NCRRA]

← POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 19, T10N AND R9W
MDB&M

SACRAMENTO →

CL RAILROAD AVENUE
CL STATE HIGHWAY 128
BATTERY BOX
BATTERY BOX
PROPOSED WILLIAMS FIBER ROUTE
NORTH COAST RAILROAD ASSOCIATION MAINLINE
PAC BELL
CL REMMELL ROAD
NORTH COAST RAILROAD ASSOCIATION SPUR
561+74 PI LEFT
JACK AND BORE 60" MINIMUM DEPTH
DIRECTIONAL DRILL 60' MINIMUM DEPTH
HAND DIG MINIMUM DEPTH
D-GEYSERVILLE-6
MATCH LINE SHT. 048 559+06
MATCH LINE SHT. 050 571+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
1272' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)
70' – STEEL PIPE | 75' – STEEL PIPE | 10' – STEEL PIPE

559+06	561+96	562+47		562+86	563+33	563+95	563+79	563+90	569+47	570+47	571+78
561+96	562+47	562+86		563+33	563+55	563+79	563+90	569+47	570+47	571+78	
290'	46'	44'		47'	22'	24'	11'	557'	100'	131'	
1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8.28.00 H&M	BORE TRENCH 2-1.5" HDPE 1-1.25" HDPE JOHN PADGETT 9.20.00 H&M	TRENCH 2-1.5" HDPE 1-1.25" HDPE JEFF MOODY 1.9.01 H&M		1.41 EL.11 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JOE MILLAN 10.13.00 H&M 562+91-SEWER X-ING 563+22-GAS-XING	3.22 EL.11 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JOE MILLAN 10.13.00 H&M 563+35-GAS XING	1.41 EL.11 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JOE MILLAN 10.13.00 H&M 563+63-WATER LINE X-ING 563+74-WATER X-ING	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 10.20.00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8.29.00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE C. GIER 8.29.00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8.28.00 H&M	

JN BLACK 1.25 HDPE 6.12 PD BY JR SMITS 5.16.01
1.11 TRACER WIRE

REV-1

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
1–888–265–2283

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1–800–227–2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALI	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP–PROJECTION	
DRAWING NUMBER : PTAR–SACR–049–SPRD 4	

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:

SPREAD: 3N

CONTRACTOR: Hinkle & Mccoy INSPECTOR: Kenny Strickland DATE: 8-28-02

DWG.:#

LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
530+59	25'10"S	48"	Start Plow
532+59	23'10"S	48"	
534+42	24'10"S	48"	Coupler (Orange)
534+59	22'10"S	48"	
536+59	22'10"S	48"	
537+94	22'10"S	48"	End Plow
[redacted]			

current as of: 12/7/

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD: 3N

CONTRACTOR: Hinkle & Mccoy INSPECTOR: Kenny Strickland DATE: 8-28-98

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	End Plow
538+87	22'9/S	48"	Start Plow
540+87	22'4/S	48"	
542+87	22'9/S	48"	
544+67	18'10/S	48"	End Plow
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	[redacted]

Williams Constructi[illegible]s-Built Documentation

Spread Location: Point Arena to Spc

Spread No. III 3

AFE No. 4875

Contract No. 99P1541-14

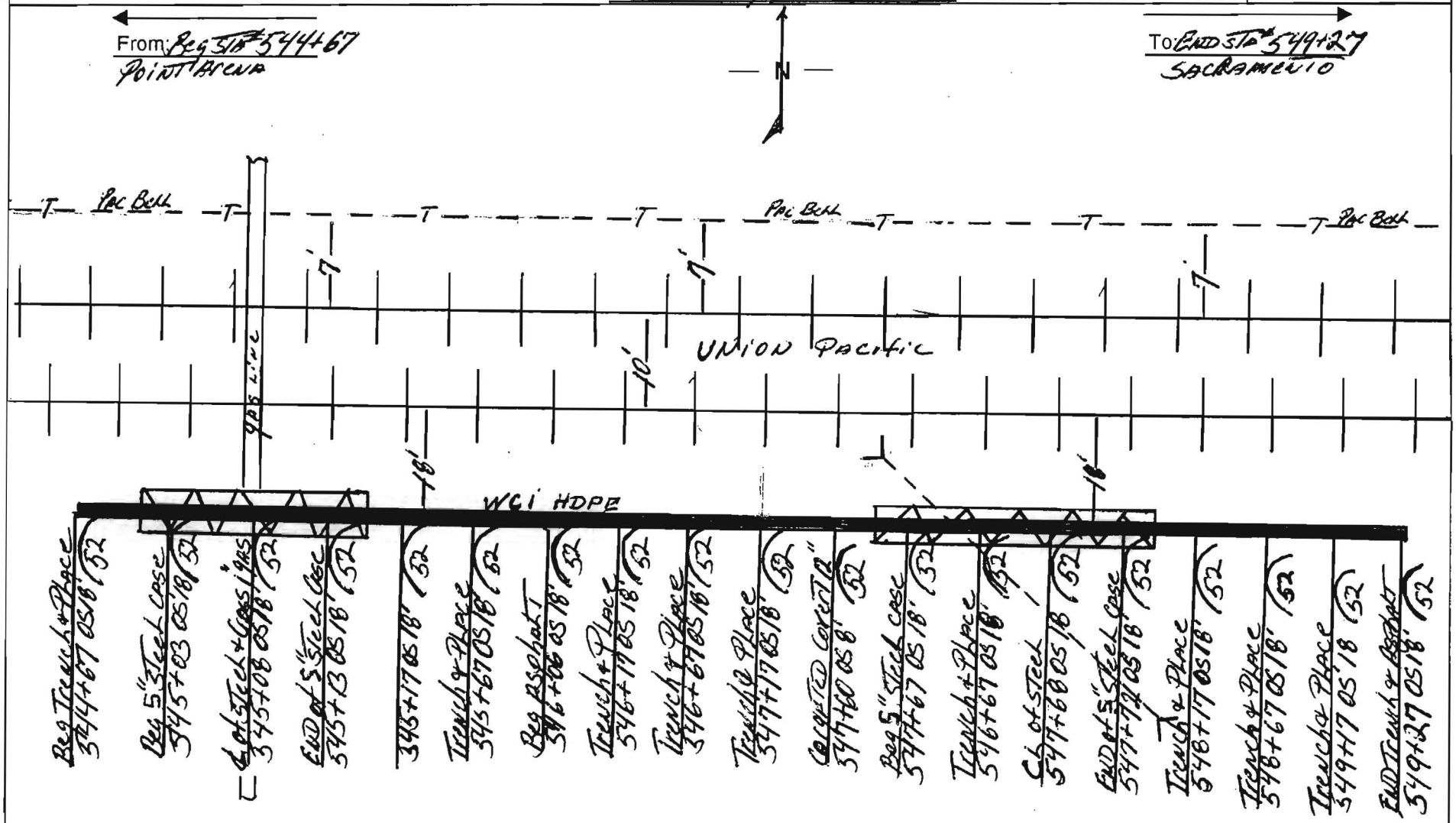
Date: 10-25

Page No. 1 of [illegible]

Drawing #: 047

From: Beg Sta 544+67 Point Arena

To: End Sta 549+27 Sacramento



Notes: Trench & Place Asbuilt

County: Sonoma

Contractor: Henkels & McCoy

Duct Configuration: 2-1½-1-1¼

Inspector: Jeff D McKoy

Williams Construction As-Built Documentation

Spread Location: Point Arena & Sac

Spread No. #3

AFE No. 4875

Contract No. 99P1541-14

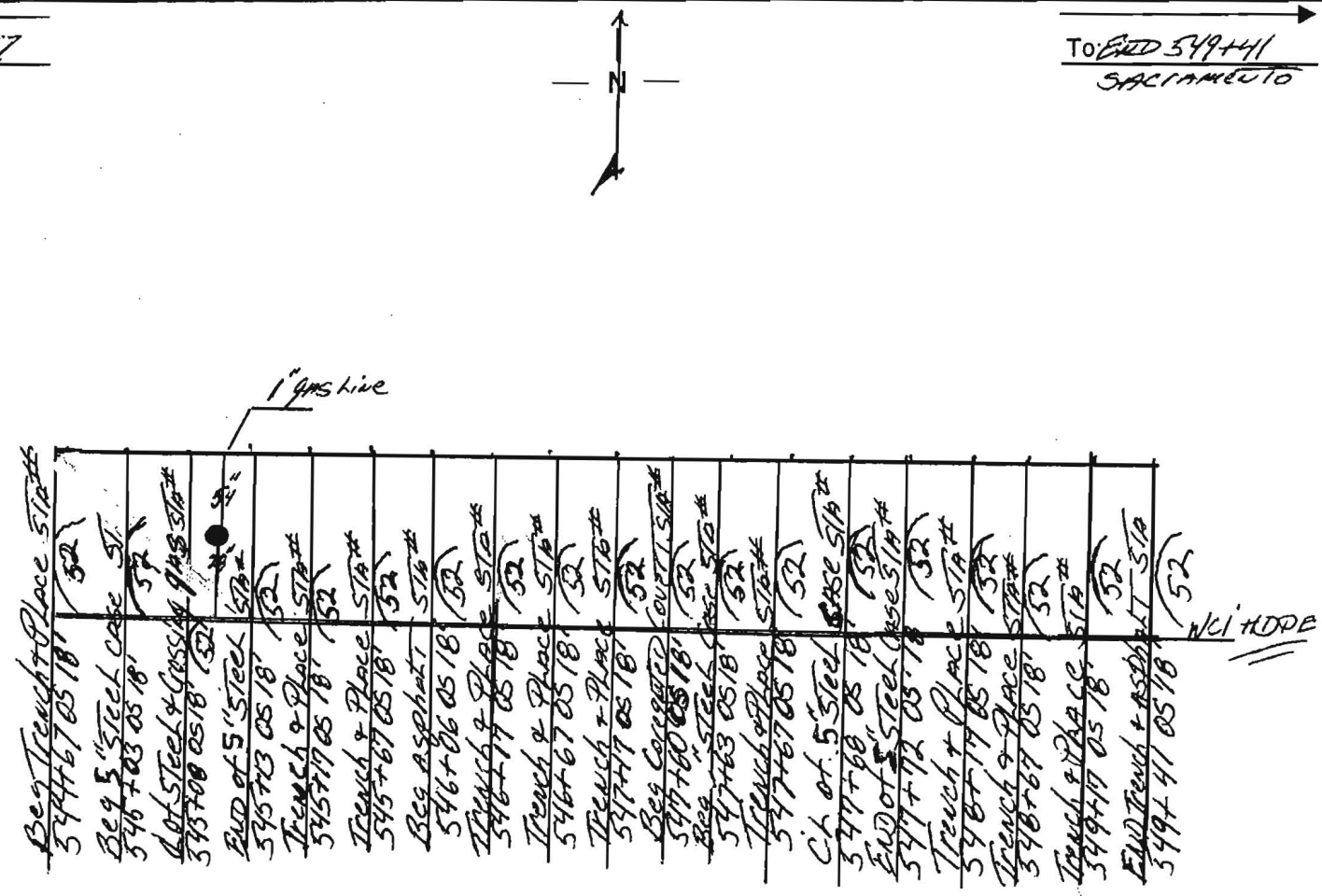
Date: 10-25-00

Page No. 1 of

Drawing #: 047

From: Beg 544+67 Point Arena

To: End 549+41 Sacramento



Notes: Trench & Place Profile As built. See Trench & Place Profile DATED 10-25-00.

County: Sonoma

Contractor: Henkels & McCoy

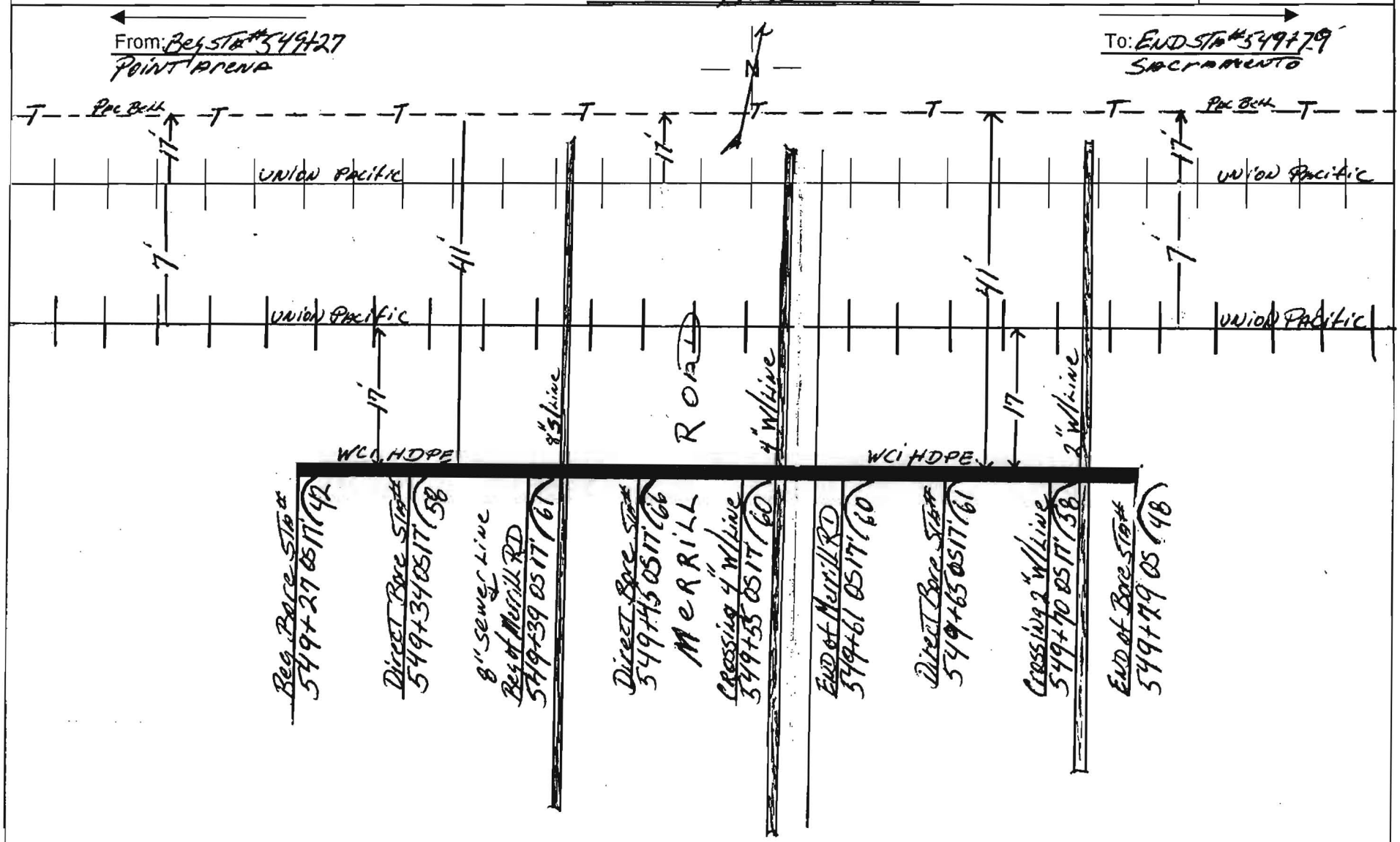
Duct Configuration: 2-1½-1-1¼

Inspector: Jeff D McKoy

Williams Construction As-Built Documentation

Spread Location: POINT ARENA TO SAC
Spread No. #3
AFE No. 4825
Contract No. 99P1541-14

Date: 11-14
Page No. 1
Drawing #: 048



Notes: Direct Bore AS built Crossing 4" water, 2" water & 8" sewer Lines. See Profile AS built Dated 11-14-00

County: Sonoma

Duct Configuration: 2-1½-1-1¼

Contractor: Haukels & McCoy

Inspector: Jeff D McKoy

Williams

Williams Constructi[illegible]-Built Documentation

Spread Location: Point Arena & Sac

Spread No. #3

AFE No. 4875

Contract No. 99P1541-14

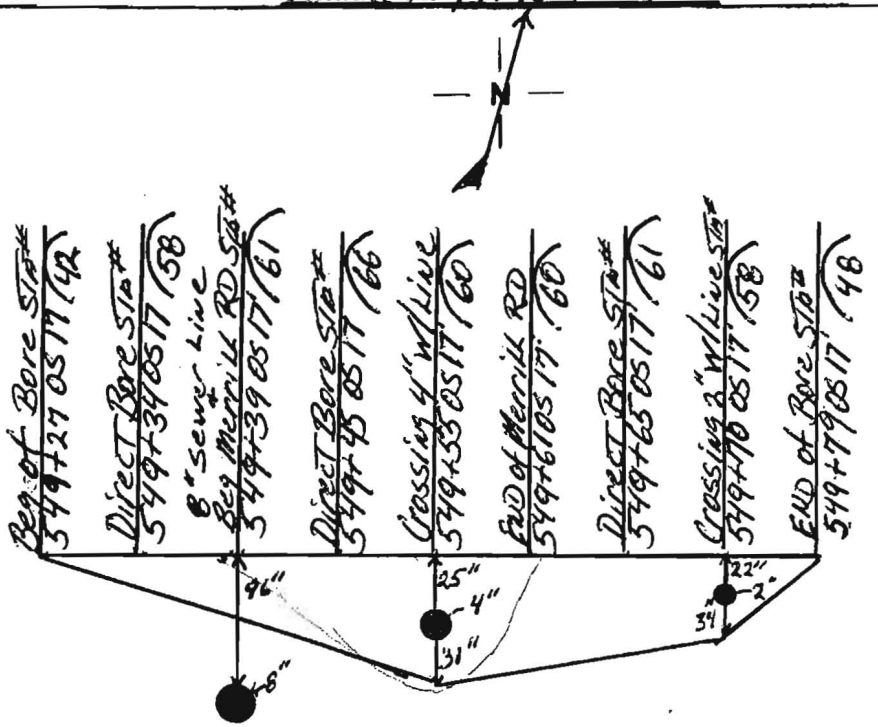
Date: 11-14-0[illegible]

Page No. 1 of 1

Drawing #: 048

From: Beg Sta# 549+27 Point Arena

To: End Sta# 549+79 Sacramento



Notes: Direct Bore Profile. See Direct Bore Dated 11-14-00. Williams Bore Cross over Top of 8" Sewer Line

County: Sonoma

Duct Configuration: 2-1½-1-1¼

Contractor: Henkels + McCoy

Inspector: Jeff D McKoy

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD: 3N

CONTRACTOR: Hinkle & Mccoy INSPECTOR: Kenny Strickland DATE: 8-28-a

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
545+79	15'10"S	48"	Start Plow
551+79	15'10"S	48"	
553+79	15'10"S	48"	
555+79	15'10"S	48"	
556+94	15'10"S	48"	End Plow
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]

current as of: 12/7/[illegible]

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
TRENCH IN PLACE TIE-IN	N-3

CONTRACTOR: H & M INSPECTOR: C. GIER DATE: 8-29-01

DWG.:# 049 LOCATION: SONOMA CO.

STATION:	OFFSET:	DEPTH:	NOTES:
569 + 47	15'	48"	BEG. TRENCH
569 + 57	15'	48"	
569 + 67	15'	48"	COUPLERS
569 + 77	15'	48"	
569 + 87	15'	48"	
569 + 97	15'	48"	
570 + 07	15'	48"	
570 + 17	15'	48"	
570 + 27	15'	48"	
570 + 37	15'	48"	
570 + 47	15'	48"	END TRENCH

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
TRENCH & TIE-IN	N-3

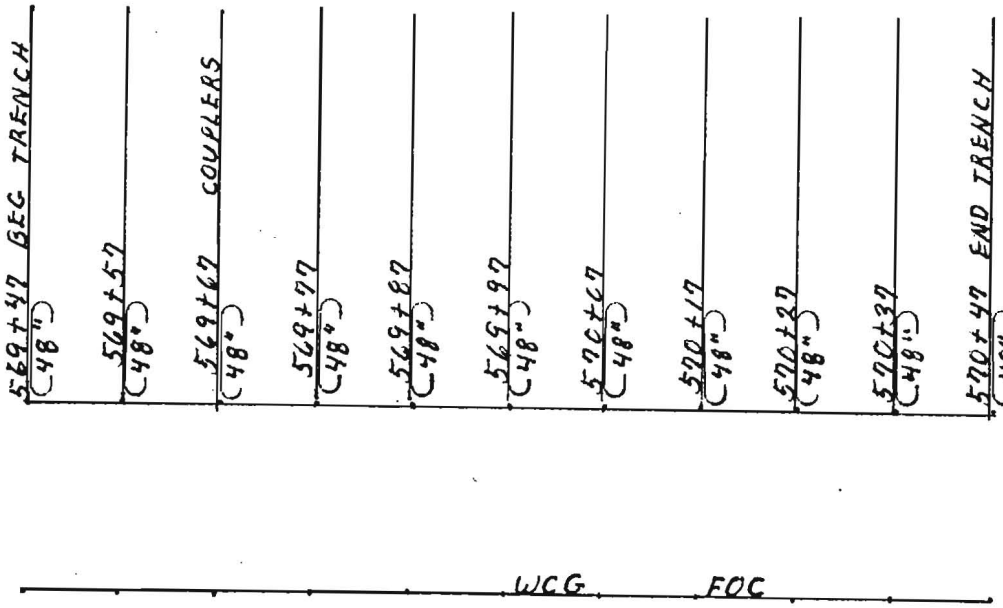
CONTRACTOR: H & M INSPECTOR: C GIER DATE: 8-29-00

DWG.:# 048 LOCATION: SONOMA CO.

STATION:	OFFSET:	DEPTH:	NOTES:
556+94	15'	48"	BEG TRENCH
557+05	15'	48"	
557+15	15'	48"	
557+20	15'	48	BEG STEEL
557+25	15'	48	6" WATER LINE 6' DEEP
557+30	15'	48	END STEEL
557+40	15'	48	
557+50	15'	48	
557+60	15'	48	
557+70	15'	48	
557+80	15'	48	
557+90	15'	48	COUPLERS
557+95	15'	60"	BEG STEEL
558+00	15'	60"	1" GAS LINE 36" DEEP
558+05	15'	60"	END STEEL
558+15	15'	48"	
558+21	15'	48"	END TRENCH

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJEC	DWG/ALIGN.SHEET #	SPREAD #
	8-29-00	48:	049	N-3

POINT ARENA ← N → SACRAMENTO



NOTES: TOTAL 100'	COUNTY: Sonoma	CONTRACTOR: H & M
	DUCT CONFIGURATION: 2-1½" ± 1-1¼" HDPE	INSPECTOR: C. GIER

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:

SPREAD: 3N

CONTRACTOR: Winkler & Mercy INSPECTOR: Kenny Strickland DATE: 5-28-02

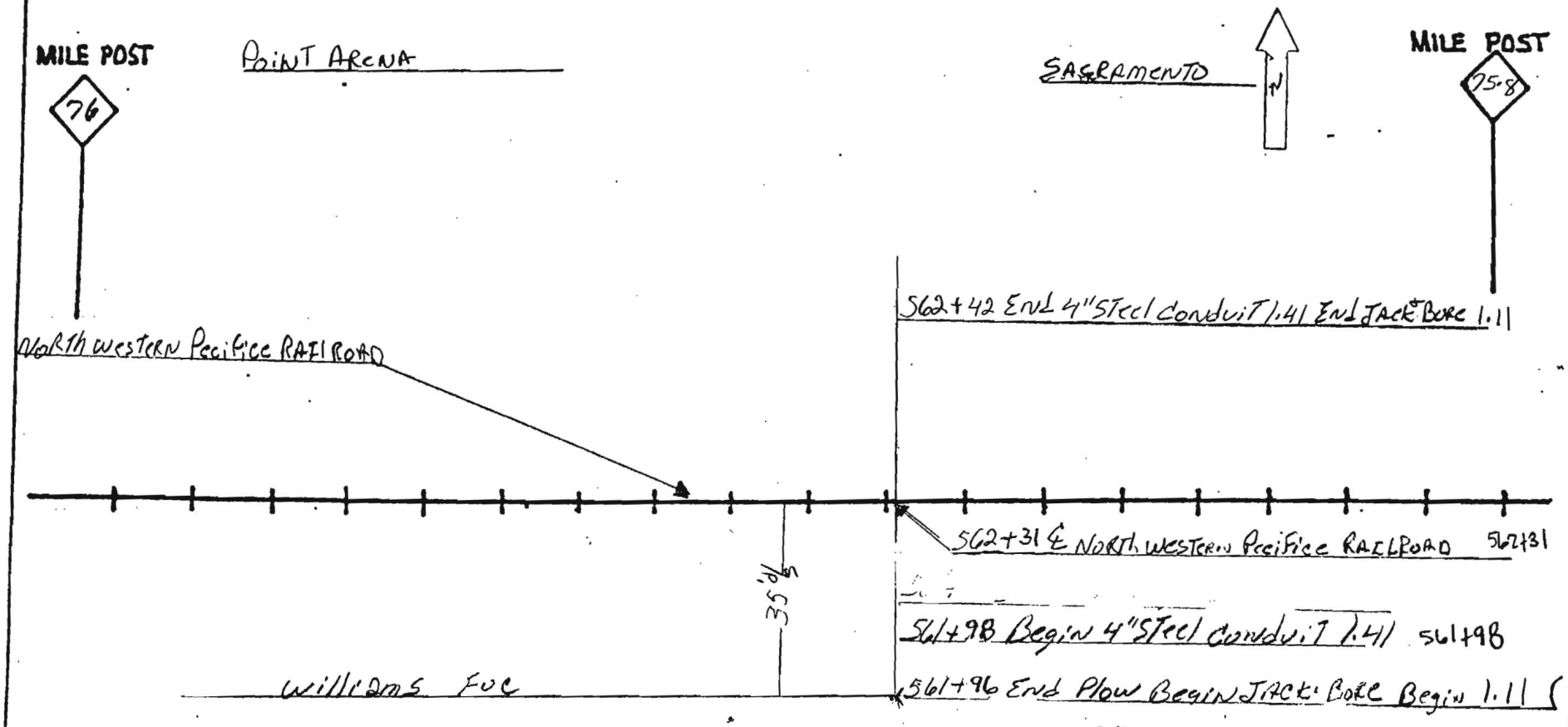
DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
558+21	15'0/s	48"	Start Plow
560+21	20'0/s	48"	
561+96	25'0/s	48"	End Plow

current as of: 12/7/

Villiams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	S[illegible]:
9[illegible]-00	999541:14	049	[illegible]ORTH



NOTES:	COUNTY:	CONTRACTOR:
INSPECT JACK AND BORE AND pull 4" STEEL CONDUIT UNDER RAILROAD EQ 561+96 AH = 561+74 BK = -22' WAS BECAUSE OF CHANGE IN RUNING line	SONOMA	Henkels McCoy
	DUCT CONFIGURATION: 2-1x50 1x25 H.D.P.E	INSPECTOR: John PADGETT

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
562+86		48"		BEGTRENCH
563+90		48"		ENDTRENCH

Williams

WILLIAMS COMUNICATIONS

POINT ARENA TO SACRAMENTO

PROFILE SHEET

DESCRIPTION: INSPECT DIRECTIONAL BORE & INSTALLATION OF STEEL ADDER

CONTRACTOR: Henkels & McCoy

INSPECTOR: JOE MILLAN

DATE: 10/13/00

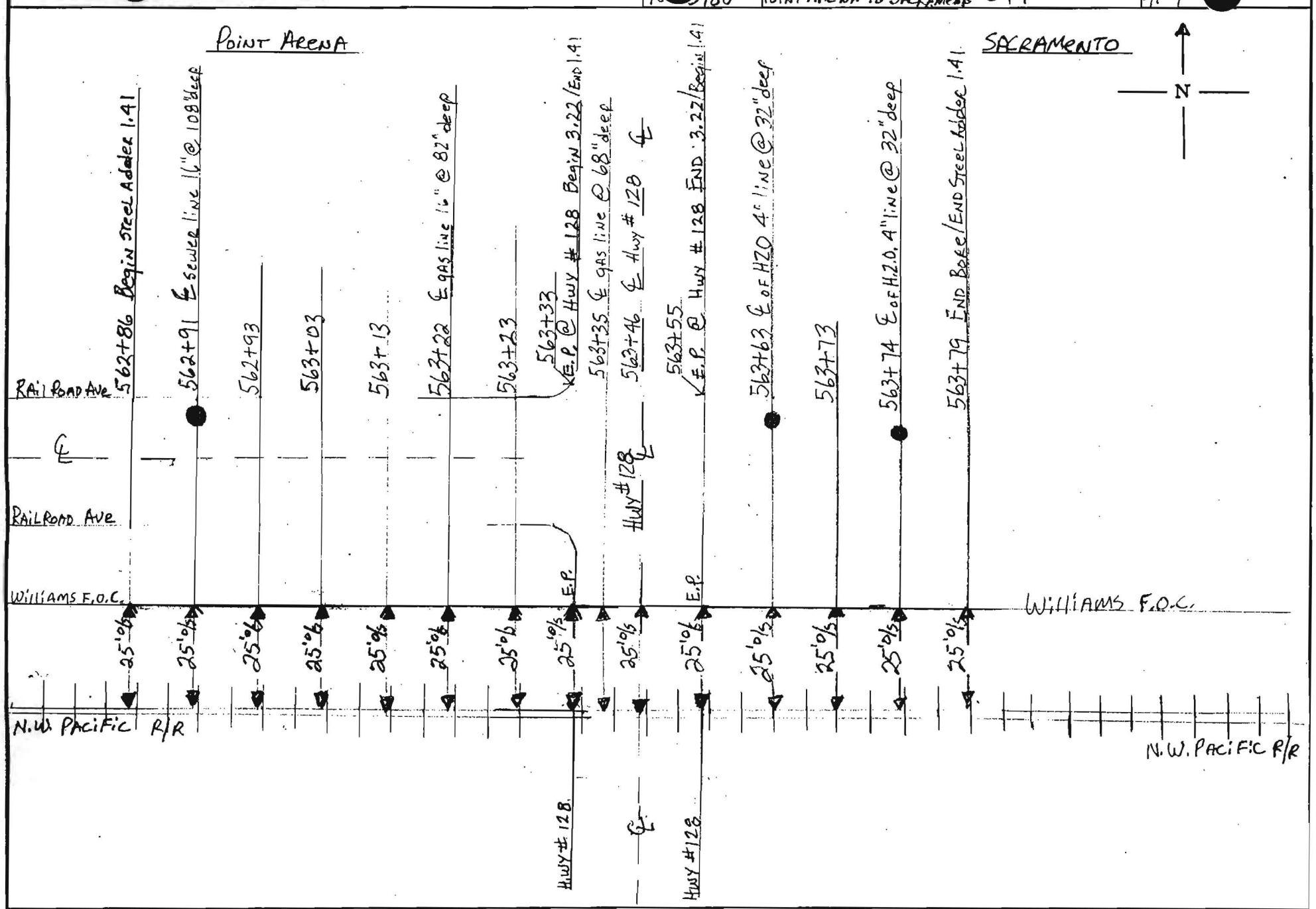
DWG# #049

LOCATION: N.W. PACIFIC RAIL ROAD & # 128 HWY CROSSING

STATION	OFFSET	DEPTH	NOTES
562+86	25'o/s	42"	Begin Bore/Begin Steel Adder
562+91	25'o/s	46"	℄ sewer Line (16" @ 108" deep)
562+93	25'o/s	48"	
563+03	25'o/s	66"	
563+13	25'o/s	102"	
563+22	25'o/s	124"	℄ GAS LINE (12" IN 16" CASE @ 82")
563+33	25'o/s	128"	
563+33	25'o/s	150"	Edge of PAVEMENT @ HWY # 128
563+35	25'o/s	160"	℄ GAS line (8" @ 68" deep)
563+43	25'o/s	161"	
563+96	25'o/s	164"	℄ OF HWY # 128
563+53	25'o/s	151"	
563+55	25'o/s	126"	Edge OF PAVEMENT @ HWY # 128
563+63	25'o/s	100"	℄ OF H2O (4" LINE @ 32" deep)
563+73	25'o/s	83"	
563+74	25'o/s	69"	℄ OF H2O (4" LINE @ 32" deep)
563+79	25'o/s	48"	END BORE/ END STEEL ADDER

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	SPREAD #
5/00	POINT ARENA TO SACRAMENTO	049	#4

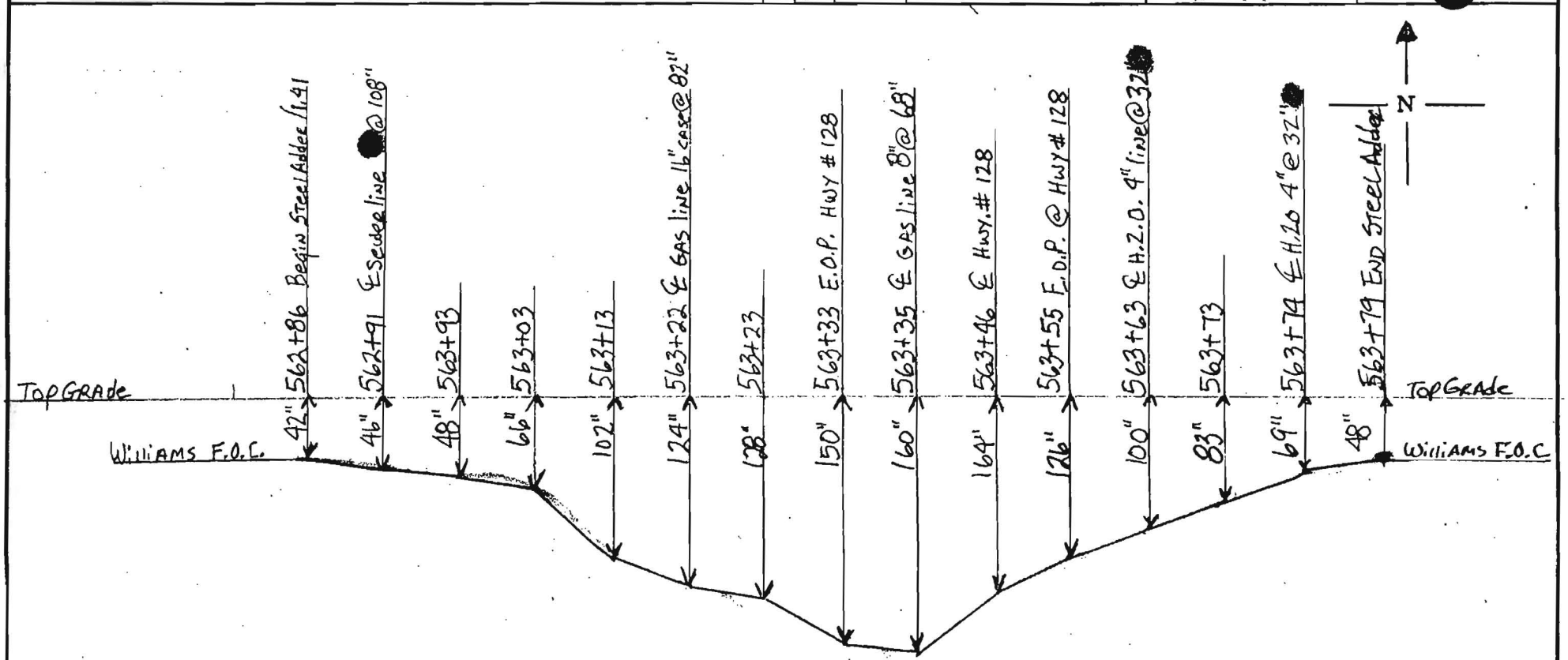


NOTES:
INSTALL STEEL ADDER UNDER UTILITIES AND ACROSS HWY #128 FROM STA.# 562+86 TO STA.# 563+79

COUNTY	CONTRACTOR
SONOMA	Henkels & McCoy
DUCT CONFIGURATION	INSPECTOR
N/A @ this Time	JOE MILLAN

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	SPREAD #
10[redacted]/00	POINT ARENA TO SACRAMENTO	#049	#4[redacted]



NOTES:
INSTALL STEEL ADDER (5") FROM STA # 562+86 TO STA # 563+79

COUNTY: SONOMA

CONTRACTOR: Henkels & McCoy

DUCT CONFIGURATION: N/A

INSPECTOR: [illegible]

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: | SPREAD:

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 8-29

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
563+90	25'10/5	48"	Start Plow
565+90	25'10/5	48"	
567+90	15'10/5	48"	
569+47	15'10/5	48"	End Plow
570+47	15'10/5	48"	Start Plow
572+47	15'10/5	48"	
573+98	15'10/5	48"	End Plow

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
TRENCH IN PLACE TIE-IN	N-3

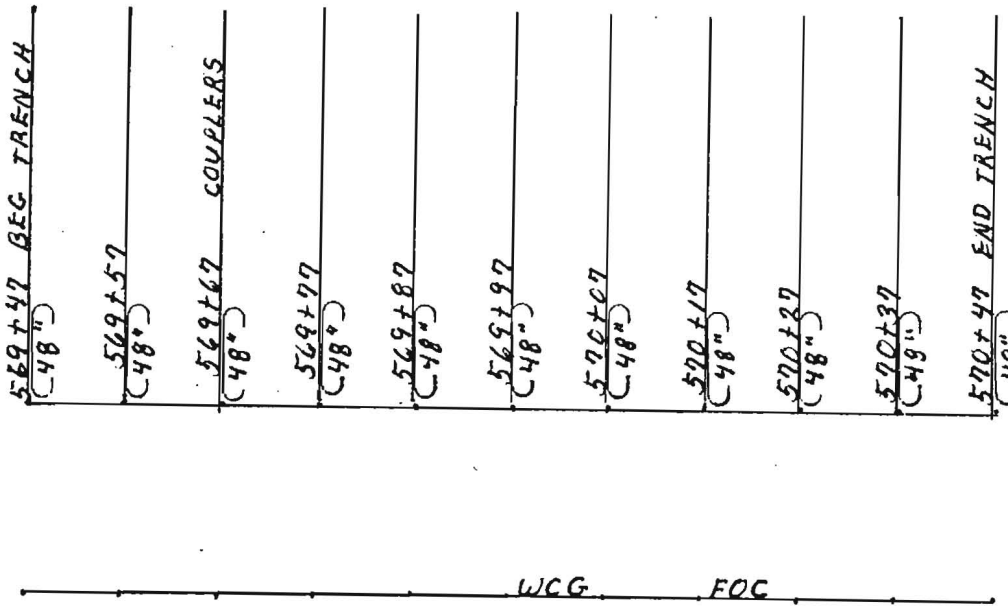
CONTRACTOR: H & M INSPECTOR: C. GIER DATE: 8-29-00

DWG.:# 049 LOCATION: SONOMA CO.

STATION:	OFFSET:	DEPTH:	NOTES:
569+47	15'	48"	BEG. TRENCH
569+57	15'	48"	
569+67	15'	48"	COUPLERS
569+77	15'	48"	
569+87	15'	48"	
569+97	15'	48"	
570+07	15'	48"	
570+17	15'	48"	
570+27	15'	48"	
570+37	15'	48"	
570+47	15'	48"	END TRENCH

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJEC	DWG/ALIGN.SHEET #	SPREAD #
	8-29-00	48''	049	N-3

POINT ARENA ← N → SACRAMENTO



NOTES: TOTAL 100'	COUNTY: Sonoma	CONTRACTOR: H & M
	DUCT CONFIGURATION: 2-1½" ± 1-1¼" HDPE	INSPECTOR: C GIER

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

573+21 POWER POLE 5' RT [3906+78.2, 20' RT NCRRA]

573+66 NCRRA R/W CHANGE [3906+32.3 NCRRA]

574+77 MANHOLE 44' RT [3905+19.2, 19' LT NCRRA]

~~574+90 BEGIN STEEL PIPE [3905+05.0 NCRRA]~~

574+95 WATER LINE [3905+00.8 NCRRA]

~~575+09 END STEEL PIPE [3904+85.7 NCRRA]~~

~~575+30 BEGIN STEEL PIPE [3904+64.6 NCRRA]~~

575+34 MANHOLE 47' RT [3904+61.1, 22' LT NCRRA]

575+35 CULVERT [3904+60.1 NCRRA]

~~575+43 END STEEL PIPE [3904+52.0 NCRRA]~~

575+43 ACCESS BOX 4' LT [3904+51.9, 26' RT NCRRA]

~~575+61 BEGIN STEEL PIPE [3904+34.1 NCRRA]~~

575+62 ACCESS BOX 3' LT [3904+32.6, 27' RT NCRRA]

575+66 CULVERT [3904+28.5 NCRRA]

~~575+79 END STEEL PIPE [3904+15.4 NCRRA]~~

581+31 MANHOLE 45' RT [3898+52.7, 20' LT NCRRA]

583+40 BEGIN STEEL PIPE [3896+39.7 NCRRA]

583+45 CULVERT [3896+34.6 NCRRA]

583+50 END STEEL PIPE [3896+29.5 NCRRA]

RAILROAD STATIONING

SONOMA COUNTY
CALIFORNIA
SEC 19, T10N AND R9W
MDB&M

POINT ARENA

SACRAMENTO

N

PROPOSED WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

PAC BELL

CULVERT

SERVICE ACCESS

CULVERT

SERVICE ACCESS

CULVERT

MATCH LINE SHT. 049 571+78

MATCH LINE SHT. 051 583+78

15"DIS 48"

16"DIS 48"

15"DIS 48"

15"DIS 48"

30'-0"

25'-0"

60'-0"

R/W

XR/W

S

W

X

572+00 573+00 574+00 575+00 576+00 577+00 578+00 579+00 580+00 581+00 582+00 583+00

48"

16"DIS

16"DIS 12½"

16"DIS 11½"

D-GEYSERVILLE-6

END PLOW / BEG TRENCH

HAND DIG 42" MINIMUM DEPTH

TRENCH 42" MINIMUM DEPTH

END TRENCH / BEG PLOW

END PLOW

Z.5"DIS LT.

MARKER POST

END PLOW

BEG TRENCH

TRENCH 42" MINIMUM DEPTH

571+78 583+78

572+47 573+98 574+56 576+22 576+37 576+78 578+26 579+26 580+28 581+29 582+94 583+14 583+34 583+54 583+74

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)

10' - STEEL PIPE — 10' - STEEL PIPE — 10' - STEEL PIPE — 10' - STEEL PIPE

571+78	573+98	576+22	576+28	582+94
573+98	576+22	576+28	582+94	583+78
220'	224'	6'	666'	84'
1.11	BLACK PLOW	TRENCH	1.11	1.11
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
K.STRICKLAND	JEFF MCKOY	JEFF MCKOY	K.STRICKLAND	C.GIER
8_29_00	11_14_00	1_9_01	8_30_00	8_30_00
HDM	HDM.	HDM.	HDM	HDM

IN BLACK 1.25"HDPE
6.12 PD BY _IR.SMITS 5.16.01

REV-1

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./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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALI	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-050-SPRD 4	

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: | SPREAD:

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 8-29

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
563+90	25'0/s	48"	start plow
565+90	25'0/s	48"	
567+90	15'0/s	48"	
569+47	15'0/s	48"	End plow
570+47	15'0/s	48"	start plow
572+47	15'0/s	48"	
573+98	15'0/s	48"	End plow

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: TRENCH IN PLACE TIE-IN

SPREAD: N-3

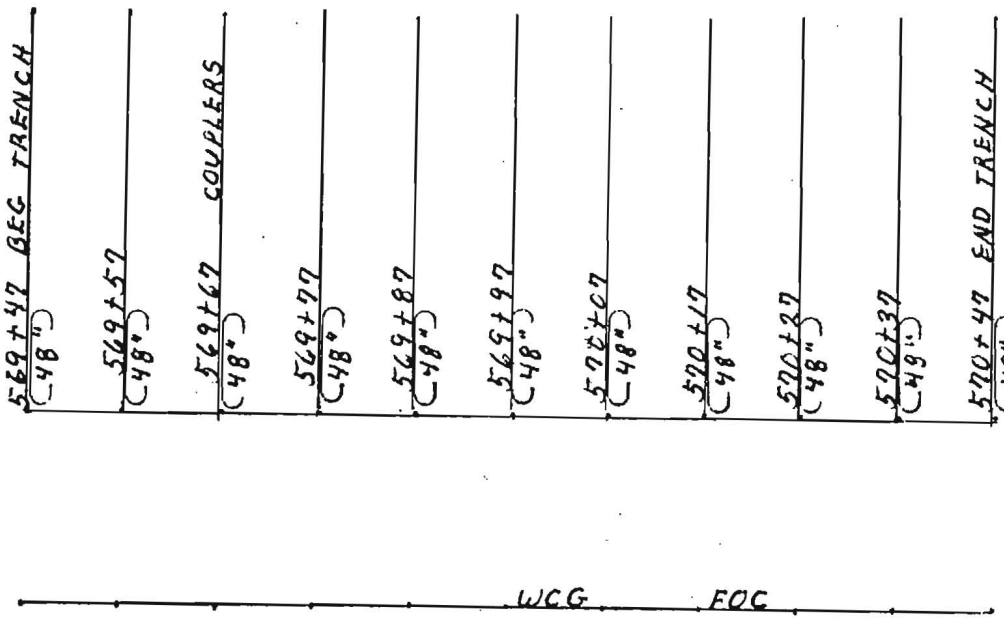
CONTRACTOR: H & M INSPECTOR: C. GIER DATE: 8-29-00

DWG.:# 049 LOCATION: SONOMA CO.

STATION:	OFFSET:	DEPTH:	NOTES:
569+47	15'	48"	BEG. TRENCH
569+57	15'	48"	
569+67	15'	48"	COUPLERS
569+77	15'	48"	
569+87	15'	48"	
569+97	15'	48"	
570+07	15'	48"	
570+17	15'	48"	
570+27	15'	48"	
570+37	15'	48"	
570+47	15'	48"	END TRENCH

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 8-29-00	PROJEC 48"	DWG/ALIGN.SHEET # 049	SPREAD # N-3

POINT ARENA ← N → SACRAMENTO



NOTES: TOTAL 100'	COUNTY: Sonoma	CONTRACTOR: H & M
	DUCT CONFIGURATION: 2-1½" LI-1½" HDPE	INSPECTOR: C GIER

Williams Construction [redacted]-Built Documentation

Spread Location: Point Arena - SAC

Spread No. 3

AFE No. 4875

Contract No. 99P1541-14

Date: 11-14-00

Page No. 1 of 1

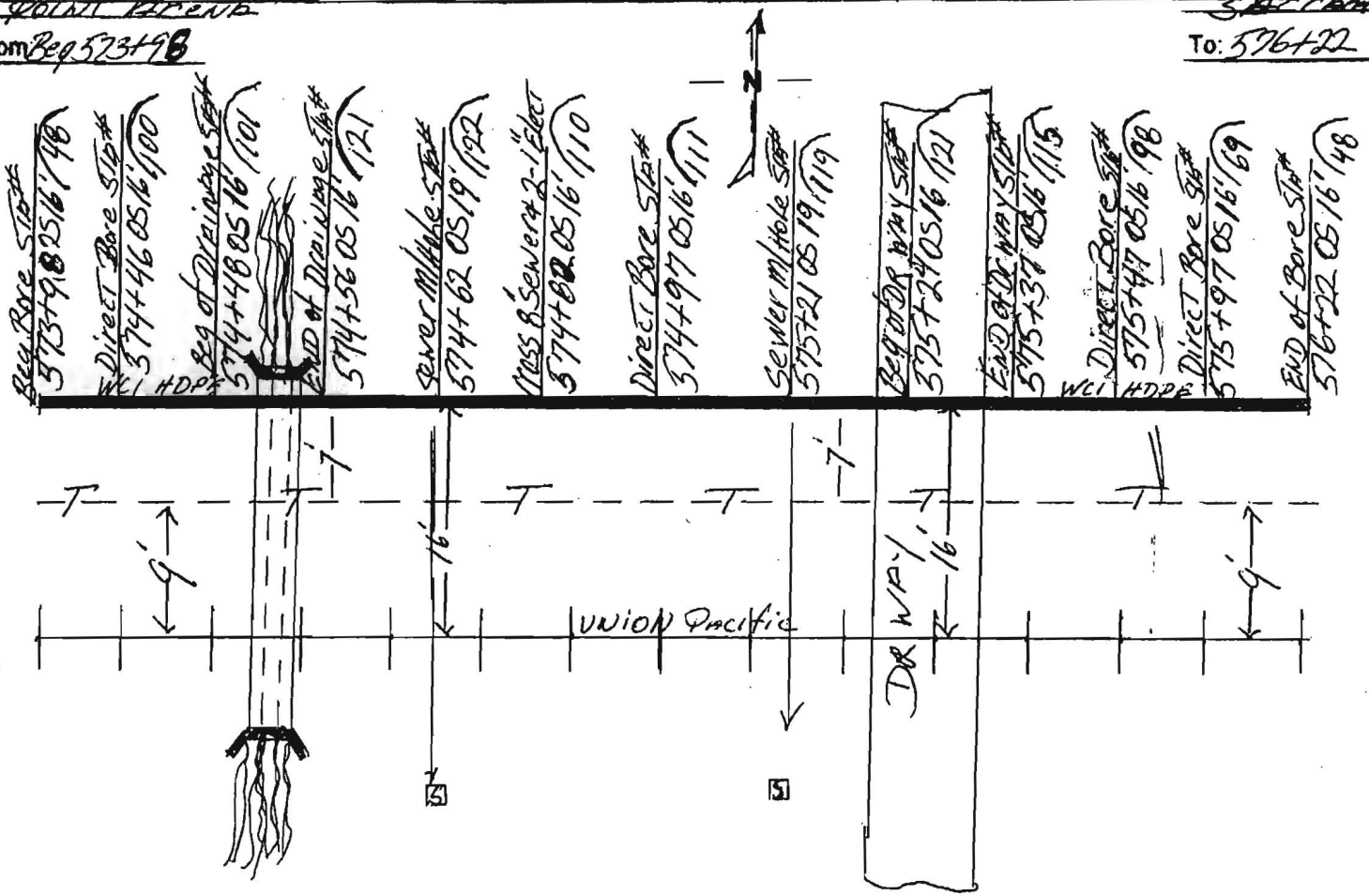
Drawing #: 050

← Point Arena

From: Beg 573+98

Sacramento

To: 576+22



Notes: Direct Bore Asbuilt.	County: Sonoma	Contractor: Henkels + McCoy
	Duct Configuration: 2-1½-1-1¼	Inspector: Jeff D McKoy

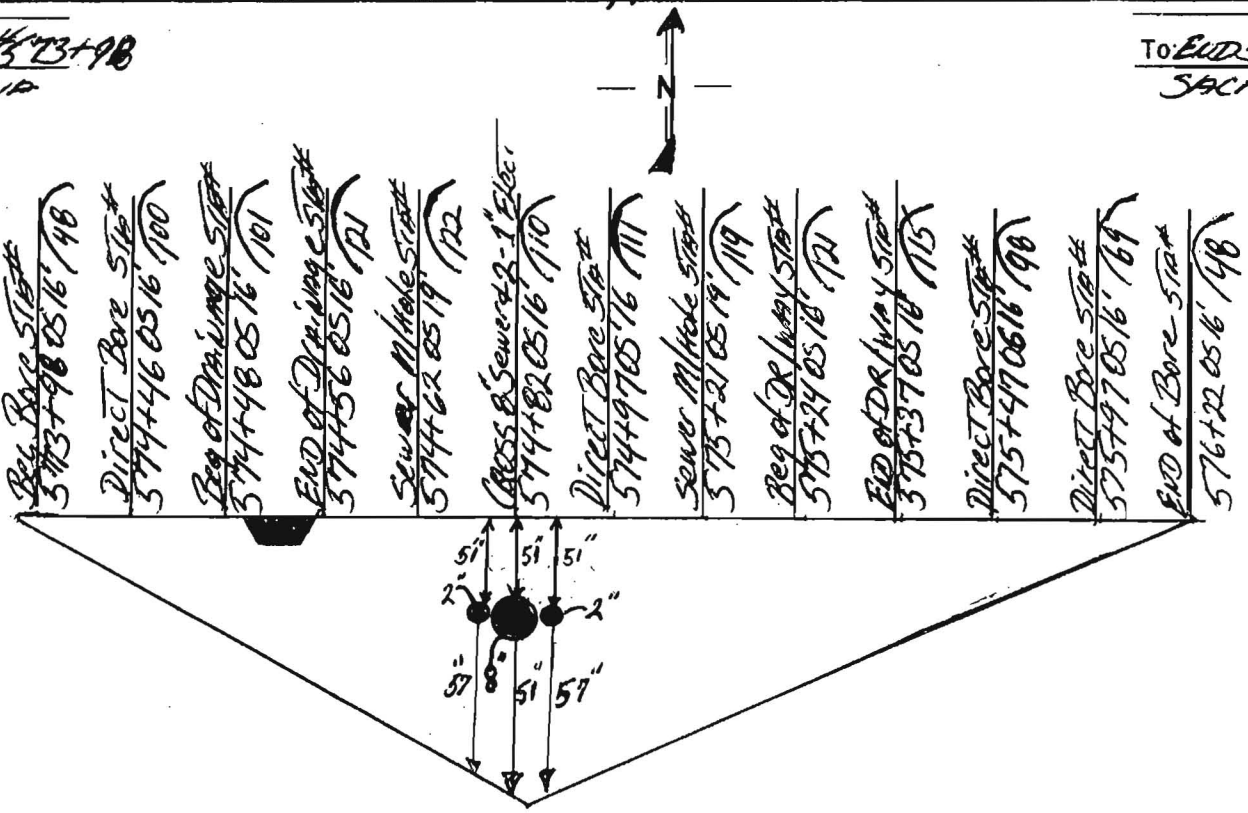
Williams Construction -Built Documentation

Spread Location: [illegible] Arena To Sac
Spread No. #3
AFE No. 4875
Contract No. 99P1541-14

Date: 11-14-00
Page No. 1 of 1
Drawing #: 050

From: Beg Sta #3+73+98 Point Arena

To: End Sta #576+22 Sacramento



Notes: Direct Bore Profile. Crossing 8" Sewer Line + 2-1" Electric Lines. See As Built Dated 11-14-00	County: Sonoma	Contractor: Henkels & McCoy
	Duct Configuration:	Inspector: Jeff D McCoy

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow / trench

SPREAD: 3N

CONTRACTOR: M & M

INSPECTOR: Kenny Strickland

DATE: 8-30-98 3N

DWG.:#

LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
576+28	15'10"S	48"	Start Plow
578+28	15'10"S	48"	
580+28	15'10"S	48"	
582+28	15'10"S	48"	
582+54	15'10"S	48"	End Plow
[redacted]			

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
TRENCH	N-3

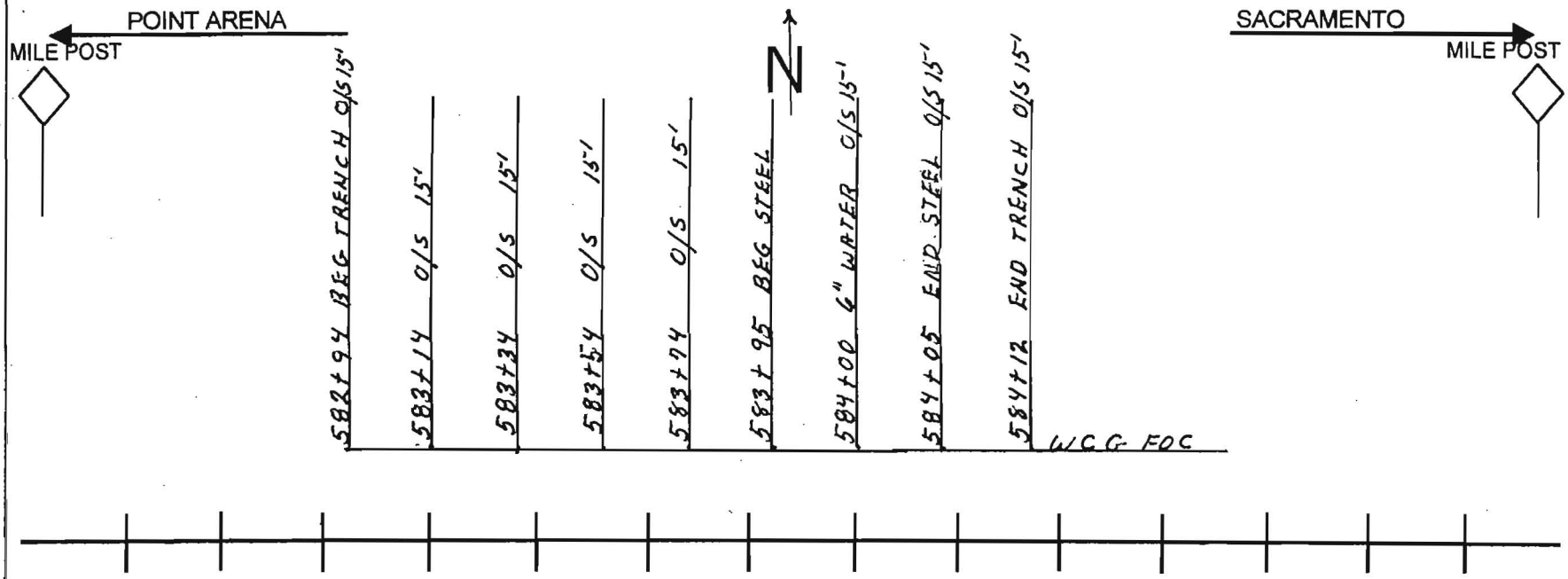
CONTRACTOR: H & M INSPECTOR: C GIER DATE: 9-30-00

DWG.:# 050 LOCATION: SONOMA CO.

STATION:	OFFSET:	DEPTH:	NOTES:
582+94	15'	48	BEG TRENCH
583+04	15'	48	
583+14	15'	48	
583+24	15'	48	
583+34	15'	48	
583+44	15'	48	
583+54	15'	48	
583+64	15'	48	
583+74	15'	48	
583+84	15'	48	
583+95	15'	72	BEG STEEL
584+00	15'	72	6" WATER 2' DEEP
584+05	15'	72	END STEEL
584+12	15'	48	END TRENCH

CONSTRUCTION AS-BUILT DOCUMENTATION

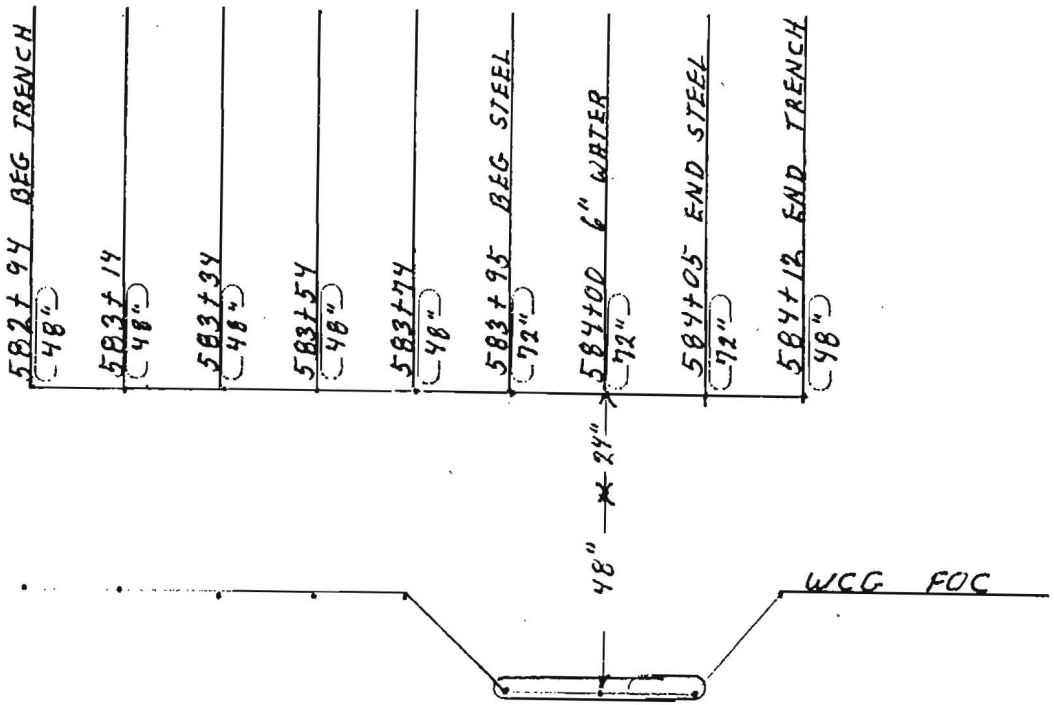
DATE	PROJECT #	DWG/ALIGN. SHEET #	SPRE
8-30-00	4877	050	N-3



NOTES :	COUNTY :	CONTRACTOR :
TOTAL 118'	SONOMA	H & M
	DUCT CONFIGURATON :	INSPECTOR :
	2-1 1/2" & 1-1 1/4" HDPE	C. GIER

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 8-30-00	PROJECT 4	DWG/ALIGN.SHEET #	SPREAD # N-3

POINT ARENA ← N → SACRAMENTO



NOTES: TOTAL 418'	COUNTY: SONOMA	CONTRACTOR: H&M
	DUCT CONFIGURATION: 2-1½+1-1¼ HDPE	INSPECTOR: C GIER

Inspector Daily Report

Page 1 of 1

Name: John Padgett
Spread/Site Number: 3-North
Day: (Mo) Tu We Th Fr Sa Su
Date: 9-18-00
Contract No: 99P1541.1
Hours Worked: 10
Weather: Clear
Temp: 85+
Contractor: Henkels & McCoy
Contractor Equipment on Site (Quality & Type): 1. Back Hoe 2. Mcn

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 & Place	-		1.11	023 30	340+36	340+95	59' ✓
2.	Place 4" Steel Conduit	-		1.41	023 30	340+68	340+78	10' ✓

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
2.	Water Line	4"	340+73	20" Top. Grade	Required

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

Inspector Daily Report

Page 1 of 1

Name: Kenny Strickland

Spread/Site Number: 4677

Day: (Mo) Tu We Th Fr Sa Su Date: 9-18-00 Contract No: 99P654K-03

Hours Worked: 10 Weather: Hot Temp: 100's Contractor: Hinkles

Contractor Equipment on Site (Quality & Type): CAT plow

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	✓		1.11	30	340+95	341+61	66' ✓
2	Plow	✓		1.11	30-31	341+61	352+00	1039' ✓

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.

Form 24 ADM 1005 REV 10/98

DELETE REVISED ALREADY PLOWED 9-18-00

Inspector Daily Report

Page 1 of 1

Williams COMMUNICATIONS

Name: Jeff D McKoy

Spread/Site Number: #3-4875 Day: Mo Tu We Th (Fr) Sa Su Date: 12-8-00 Contract No: 99P1511-14

Hours Worked: 10 Weather: Sunny Temp: 60° Contractor: Henkels & McCoy

Contractor Equipment on Site (Quality & Type): Two Back Hoes, One 2720 Bore Machine with Mud + water Mixing Unit One Vac-Pac Hole unit, One Utility Truck with Tools + Equipment. 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.
1st	Direct Bore (Slick)			3.21	031	340+37	352+24	1187'
2nd	Direct Bore			1.11	031	340+37	352+24	1187'

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 Inspector Observed The Contractor Boring & Pulling Williams HDPE.

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 parties.

Distribution Original – Spread Supervisor Yellow Contractor Pink Inspector

ADM 1005 REV 10/98

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow / Trench

SPREAD: 3N

CONTRACTOR: H & M

INSPECTOR: Kenny Strickland

DATE: 9-18-00

DWG.:#

LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
340+95	25'0/s	48"	Start trench
341+61	20'0/s	48"	Stop trench
341+61	20'0/s	48"	Start Plow
343+61	22'0/s	48"	
345+61	22'0/s	48"	
347+61	20'0/s	48"	
349+61	20'0/s	48"	
351+61	20'0/s	48"	
352+00	18'0/s	48"	Stop Plow

current as of: 12/7/98

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

584+15 FIBER MARKER 11' RT [3895+63.3, 14' RT NCRRA]

588+86 FIBER MARKER 14' RT [3890+83.3, 11' RT NCRRA]

593+79 FIBER MARKER 9' LT [3885+94.1, 34' RT NCRRA]
594+05 FIBER MARKER 14' RT [3885+88.0, 12' RT NCRRA]
593+92 BEGIN STEEL PIPE [3885+90.8 NCRRA]
593+98 CULVERT [3885+74.7 NCRRA]
594+04 END STEEL PIPE [3885+68.6 NCRRA]

595+36 FIBER MARKER 13' RT [3884+34.1, 12' RT NCRRA]

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 19, T10N AND R9W
MDB&M

SACRAMENTO

PROPOSED WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

PAC BELL

BATTERY BOX

EQUATION
593+38 BK.=
593+39 AHD.
+13

CULVERT

MATCH LINE SHT. 050 583+78

MATCH LINE SHT. 052 595+57

15'0/S 48"

30'-0"

25'-0"

R/W

S

T

FIBER

NP

BATTERY

TRACER

N

583+78	583+78	584+15	584+85	585+17	587+06	587+47	587+67	587+87	588+14	588+17	589+17	591+87	592+17	593+79	593+92	593+98	594+04	594+17	594+47	594+87	595+07	595+27	595+47	595+57
	15'0/S 72" 15'0/S 72" 1 BKFL PLOW	30'-0"	15'0/S 48"	25'0/S LT.	48"	END PLOW	15'0/S 48"	15'0/S 48"	15'0/S 48"	END TRENCH / BKFL TRENCH	15'0/S	75'0/S LT.	48"	END PLOW	BKFL TRENCH /	TRENCH 42" MINIMUM DEP.	BKFL STEEL END STEEL	15'0/S 48"	15'0/S 48"	15'0/S 48"	15'0/S 48"	15'0/S 48" 30'-0"	15'0/S 48"	
	583+78 1505 STEEL END STEEL END TRENCH	MARKER POST	15'0/S	BKFL TRENCH /					END TRENCH / BKFL TRENCH	BKFL PLOW / END TRENCH	15'0/S	MARKER POST	15'0/S	BKFL TRENCH /										595+57
	583+78	584+06	584+12	587+21	587+47	587+67	587+87	588+14	588+17	589+17	591+87	592+17	593+77	594+17	594+22	594+47	594+67	594+87	595+07	595+27	595+47	595+57		

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

1179' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

12' - STEEL PIPE

583+78	583+95				587+27	588+14								588+17	595+77	594+17	594+22	594+72						
583+95	584+05				588+14	588+17								593+77	594+17	594+22	595+57							
17'	1.41 R 1.11				87'	3'								500'	35'	10'	135'							
1.11 2-1.5" HDPE 1-1.25" HDPE C.GIER 8.30.00 HEM	1.25" HDPE 2-1.5" HDPE 5" STEEL C.GIER 8.30.00 HEM ¥ 584+00 ¥ WATER LINE X-ING.				1.11 2-1.5" HDPE 1-1.25" HDPE C.GIER 8.30.00 HEM	1.11 2-1.5" HDPE 1-1.25" HDPE J McKOY 1-09-01 HEM								1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 8.30.00 HEM	1.11 2-1.5" HDPE 1-1.25" HDPE G GIER 8.31.00 HEM	1.11 2-1.5" HDPE 1-1.25" HDPE 5" STEEL 8.31.00 HEM G GIER ¥ 594+17 ¥ WATER LINE X-ING.	1.11 2-1.5" HDPE 1-1.25" HDPE C.GIER 8.31.00 HEM							

IN BLACK 1.25 HDPE
6.12 PD BY JR SMITS 5.16.01

REV-1

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Rood 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
1-888-265-2283

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALI	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'
VERTICAL SCALE (DWG) :	1"=100'
VERTICAL SCALE (PROF) :	1"=100'
MAP PROJECTION :	MAP-PROJECTION
DRAWING NUMBER :	PTAR-SACR-051-SPRD 4

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
TRENCH	N-3

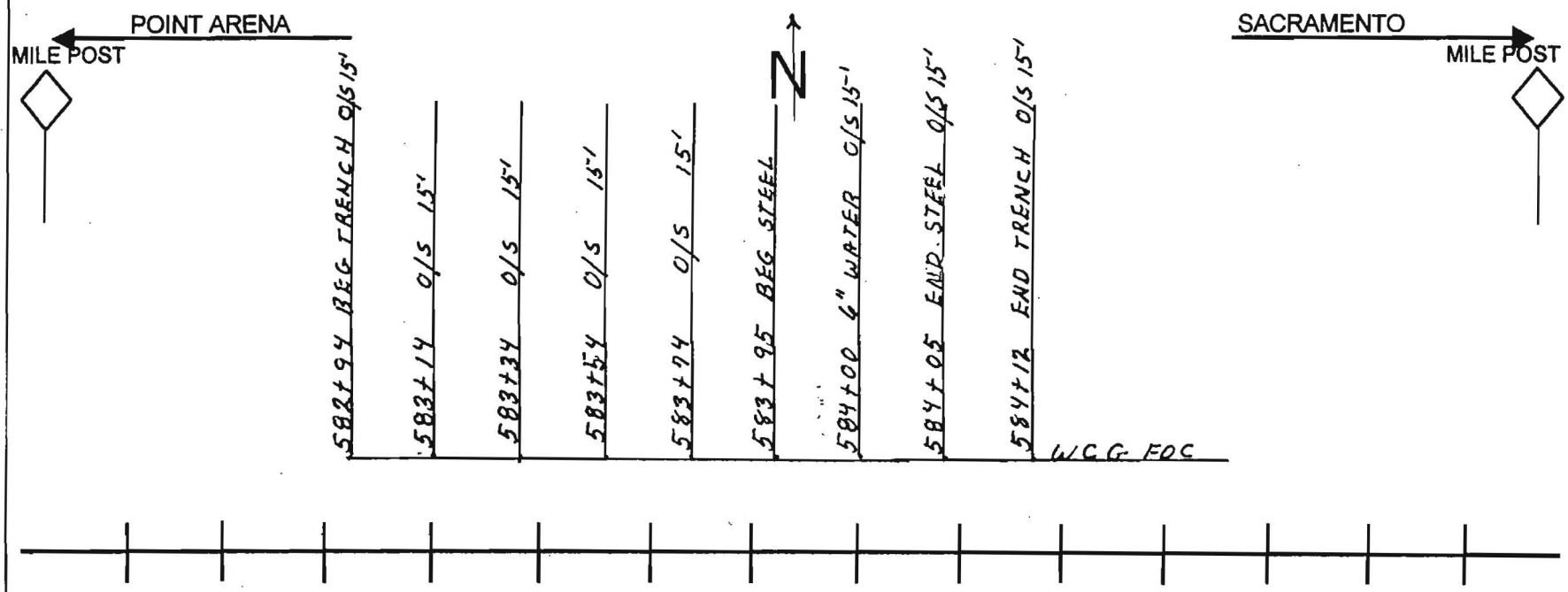
CONTRACTOR: H & M INSPECTOR: C GIER DATE: 9-30-00

DWG.:# 050 LOCATION: SONOMA CO.

STATION:	OFFSET:	DEPTH:	NOTES:
582+94	15'	48	BEG TRENCH
583+04	15'	48	
583+14	15'	48	
583+24	15'	48	
583+34	15'	48	
583+44	15'	48	
583+54	15'	48	
583+64	15'	48	
583+74	15'	48	
583+84	15'	48	
583+95	15'	72	BEG STEEL
584+00	15'	72	6" WATER 2' DEEP
584+05	15'	72	END STEEL
584+12	15'	48	END TRENCH

CONSTRUCTION AS-BUILT DOCUMENTATION

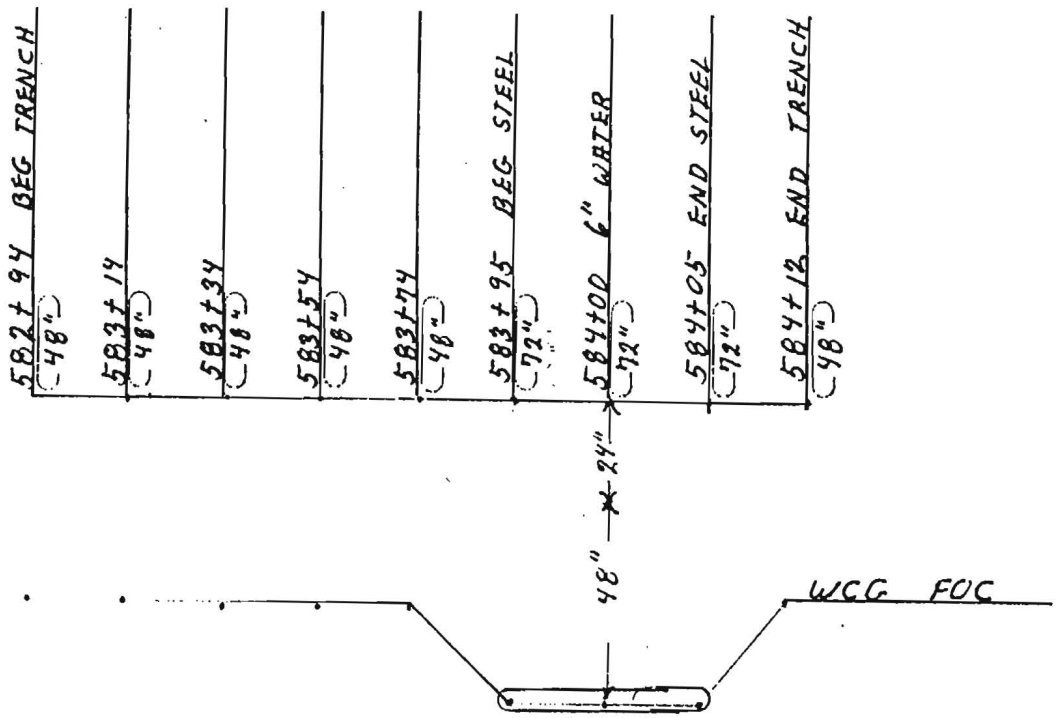
DATE	PROJECT #	DWG/ALIGN. SHEET #	SPRI
8-30-00	4877	050	N-3



NOTES :	COUNTY :	CONTRACTOR :
TOTAL 118'	Sonoma	H & M
	DUCT CONFIGURATON :	INSPECTOR :
	2-1½" & 1-1¼" HDPE	C GEER

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 8-30-00	PROJECT	DWG/ALIGN.SHEET #	SPREAD # N-3

POINT ARENA ← N → SACRAMENTO



NOTES: TOTAL 118'	COUNTY: Sonoma	CONTRACTOR: H&M
	DUCT CONFIGURATION: 2-1½+1-1¼ HDPE	INSPECTOR: C GIER

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow / trench	3N

CONTRACTOR: H & M INSPECTOR: Kenny Strickland DATE: 8-30-00 3N

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
584+12	15'0"/S	48"	start plow
586+12	15'0"/S	48"	
587+27	15'0"/S	48"	End plow
588+17	15'0"/S	48"	start plow
590+17	15'0"/S	48"	
592+17	15'0"/S	48"	
593+77	15'0"/S	48"	End plow

current as of:12/7/98

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
TRENCH	N-3

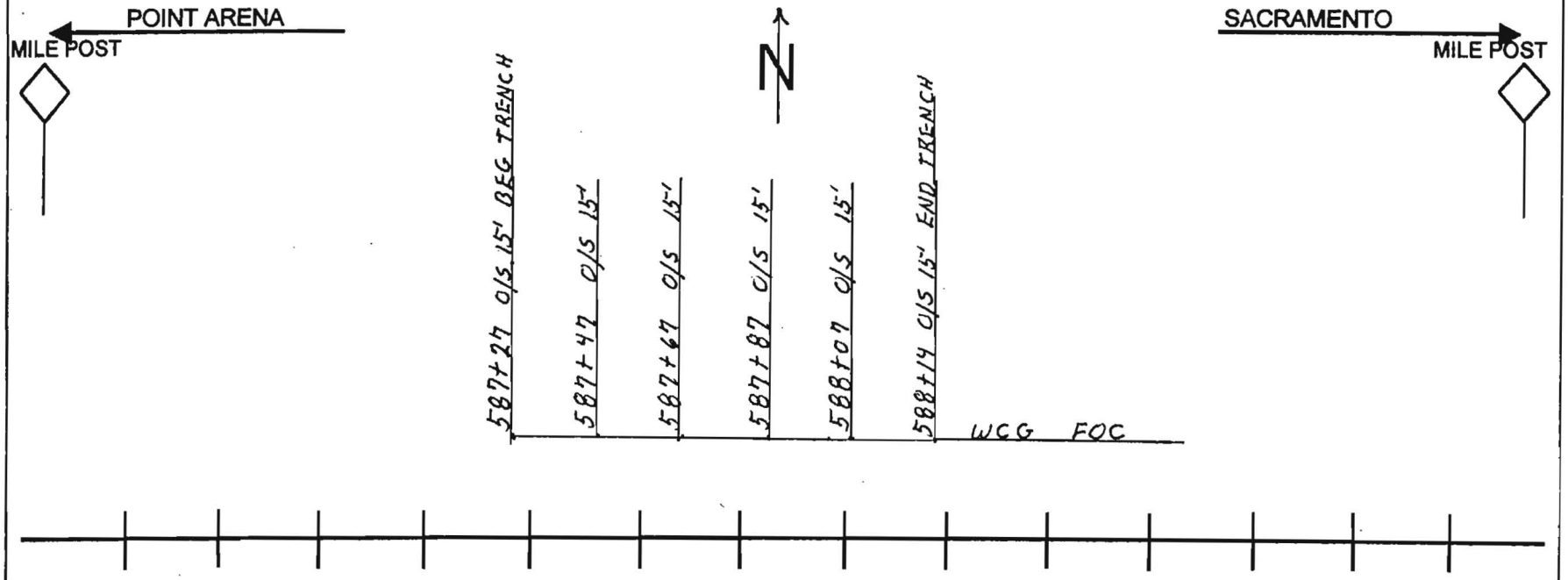
CONTRACTOR: H & M INSPECTOR: C GIER DATE: 8-30-00

DWG.:# 051 LOCATION: SONOMA CO.

STATION:	OFFSET:	DEPTH:	NOTES:
587+27	15'	48"	BEG TRENCH
587+37	15'	48"	
587+47	15'	48"	
587+57	15'	48"	
587+67	15'	48"	
587+77	15'	48"	
587+87	15'	48"	
587+97	15'	48"	
588+07	15'	48"	
588+14	15'	48	END TRENCH

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGN. SHEET #	SPR.
8-30-00	4877	051	N1-3



NOTES :	COUNTY :	CONTRACTOR :
TOTAL 87'	SONOMA	H & M
	DUCT CONFIGURATON :	INSPECTOR :
	2-1½" & 1-1¼" HDPE	C GEER

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
TRENCH IN PLACE & TIE-INS PAGE 1	N-3

CONTRACTOR: H & M INSPECTOR: C GIER DATE: 8-31-00

DWG.:# 052 LOCATION: SONOMA CO

STATION:	OFFSET:	DEPTH:	NOTES:
593+77	15'	48"	BEG TRENCH
593+97	15'	48"	
594+12	15'	48"	BEG STEEL
594+17	15'	48"	3" WATER 10' DEEP
594+22	15'	48"	END STEEL
594+27	15'	48"	TIE IN COUPLERS
594+47	15'	48"	
594+67	15'	48"	
594+87	15'	48"	
595+07	15'	48"	
595+27	15'	48"	
595+47	15'	48"	
595+67	15'	48"	
595+87	15'	48"	
596+07	15'	48"	
596+27	15'	48"	
596+47	15'	48"	
596+67	15'	48"	
596+82	15'	60"	BEG STEEL
596+87	15'	60"	3" WATER 12" DEEP
596+92	15'	60"	END STEEL
597+17	15'	48"	
597+37	15'	48"	
597+57	15'	48"	
597+77	15'	48"	
597+97	15'	48"	
598+17	15'	48"	
598+37	15'	48"	
598+57	15'	48"	

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
TRENCH IN PLACE & TIE-INS PAGE 2	N-3

CONTRACTOR: H&M INSPECTOR: C GIER DATE: 8-31-00

DWG.:# 052 LOCATION: SONOMA

STATION:	OFFSET:	DEPTH:	NOTES:
598+67	15'	48	
598+87	15'	48	
599+00	15'	78	BEG STEEL
599+05	15'	78	2" GAS 36" DEED
599+10	15'	78	END STEEL
599+28	15'	48	COUPLERS TIE-IN
599+30	15'	48	END TRENCH

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGN. SHEET #	SPRE
8-31-00	4877	051-052	N-3

POINT ARENA ← MILE POST

SACRAMENTO → MILE POST

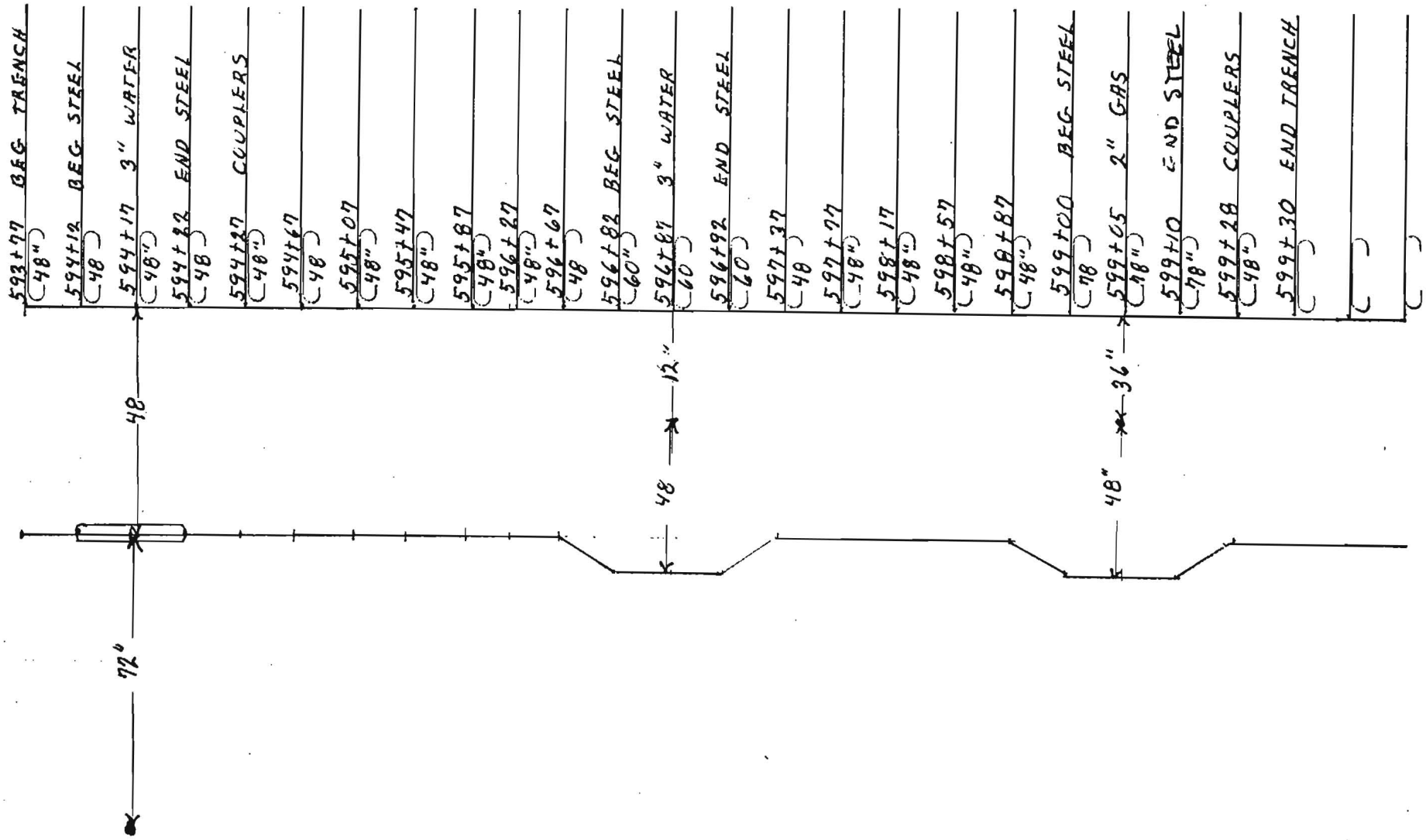
N

593+77 O/S 15' BEG TRENCH
594+12 O/S 15' BEG STEEL
594+17 O/S 15' 3" WATER
594+22 O/S 15' END STEEL
594+27 O/S 15' COUPLERS
594+62 O/S 15'
595+07 O/S 15'
595+47 O/S 15'
595+87 O/S 15'
596+27 O/S 15'
596+67 O/S 15'
596+82 O/S 15' BEG STEEL
596+87 O/S 15' 3" WATER
596+92 O/S 15' END STEEL
597+37 O/S 15'
597+77 O/S 15'
598+17 OS 15'
598+59 O/S 15'
599+00 O/S 15' BEG STEEL
599+05 O/S 15' 2" GAS
599+10 O/S 15' END STEEL
599+28 OS 15' COUPLERS
599+30 OS 15' END TRENCH

NOTES :	COUNTY :	CONTRACTOR :
TOTAL 553'	Sonoma	H&M
	DUCT CONFIGURATON :	INSPECTOR :
	2-1½" & 1-1¼" HDPE	C GIER

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJEC	DWG/ALIGN.SHEET #	SPREAD #
	8-31-00	48	052	N-3

POINT ARENA ← N → SACRAMENTO

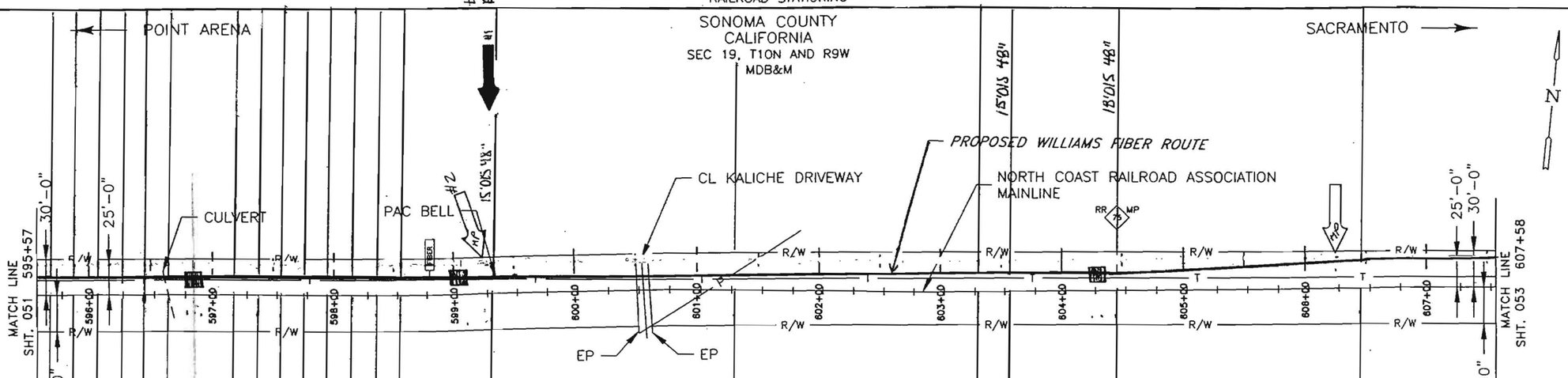


NOTES:	COUNTY:	CONTRACTOR:
TOTAL 553'	SONOMA	H+M
	DUCT CONFIGURATION:	INSPECTOR:
	2-1½ & 1-1¼ HDPE	C GTER

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

596+53 BEGIN STEEL PIPE [3883+14.9 NCRRA]
596+59 CULVERT [3883+08.7 NCRRA]
596+65 END STEEL PIPE [3883+02.6 NCRRA]
598+80 FIBER MARKER 12' RT [3880+83.5, 13' RT NCRRA]
599+25 MARKER TREE 75'0IS LT
599+26 SPIKE IN RR TIE 15'0IS 48"
600+45 BEGIN STEEL PIPE [3879+15.4 NCRRA]
600+51 EDGE OF PAVEMENT [3879+09.2 NCRRA]
600+55 CL OF DRIVEWAY [3879+05.2 NCRRA]
600+61 EDGE OF PAVEMENT [3878+99.1 NCRRA]
600+65 END STEEL PIPE [3878+95.0 NCRRA]
604+46 RR MILE MARKER 75 [3875+08.7 NCRRA]

RAILROAD STATIONING



15'0IS 48"	15'0IS 48" 30'-0"	15'0IS 48"	15'0IS 48"	15'0IS 48"	15'0IS 60" 15'0IS 60"	15'0IS 48"	15'0IS 48"	15'0IS 48"	15'0IS 48"	15'0IS 48"	15'0IS 48"
			TRENCH 42" MINIMUM DEPTH								
595+57	596+87	596+07	596+27	596+47	596+67	BEG STEEL 596+82 END STEEL 596+92	597+17	597+37	597+57	597+77	597+97	598+17	598+37	598+57

15'0IS 78" 15'0IS 78" BEG PLOW		15'0IS 30"		15'0IS 48" 15'0IS 48" BEG PLOW		78'0IS LT. 48"			
	DIRECTIONAL DRILL 60" MINIMUM DEPTH								
BEG STEEL END STEEL END TRENCH /		15'0IS		BEG PLOW / END TRENCH		BEG STEEL END STEEL END TRENCH /		MARKER POLE 75'0IS	
599+00 599+10 599+30		603+30		603+55		604+26 604+36 604+45		604+79	607+58

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
1201' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

12' - STEEL PIPE | 20' - STEEL PIPE

595+57 to 596+82	596+82 to 596+92	596+92 to 599+00	599+00 to 599+10	599+10 to 599+30	599+30 to 603+55	603+55 to 604+26	604+26 to 604+36	604+36 to 604+79	604+45 to 607+58
125'	10'	208'	10'	20'	425'	71'	10'	96'	313'
1.11 2-1.5" HDPE 1-1.25" HDPE CGIER 8_31_00 HDM	1.11 & 1.41 2-1.5" HDPE 1-1.25" HDPE CGIER 8_31_00 HDM 5" STEEL @ 596+87± WATER LINE	1.11 2-1.5" HDPE 1-1.25" HDPE CGIER 8_31_00 HDM	1.11 & 1.41 2-1.5" HDPE 1-1.25" HDPE CGIER 8_31_00 HDM 5" STEEL @ 599+05± GAS LINE	1.11 2-1.5" HDPE 1-1.25" HDPE CGIER 8_31_00 HDM	1.11 1-1.25" HDPE 2-1.5" HDPE K.STRICKLAND 8_31_00 HDM IN BLACK 1.25" HDPE 6.12 PD BY JR SHITS 5_16_01	1.11 1-1.25" HDPE 2-1.5" HDPE K.STRICKLAND 8_31_00 HDM	1.11 & 1.41 1-1.25" HDPE 2-1.5" HDPE K.STRICKLAND 8_31_00 HDM	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8_31_00 HDM	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 8_31_00 HDM

REV-1

LEGEND

- Interstate Hwy. (44)
- U.S. Hwy. (66)
- State Hwy. (1)
- County Road (A)
- RR Mile Mkr. (31)
- 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 (S)
- Handhole (H)
- Manhole Splice (S)
- Manhole (M)
- SS Manhole (SS)
- Power Pole
- Water Valve / Meter (W)
- Gas Valve / Meter (G)
- Signal Pole
- Fire Hydrant
- Gas Marker (GAS)
- Oil Marker (OIL)
- Fiber Marker (FIBER)
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER
1-800-582-9069

CAUTION

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALJ	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-052-SPRD 4

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: TRENCH IN PLACE & TIE-INS PAGE 1 | SPREAD: N-3

CONTRACTOR: H & M | INSPECTOR: C GIER | DATE: 8-31-00

DWG.:# 052 | LOCATION: SONOMA CO

STATION:	OFFSET:	DEPTH:	NOTES:
593+77	15'	48"	BEG TRENCH
593+97	15'	48"	
594+12	15'	48"	BEG STEEL
594+17	15'	48"	3" WATER 10' DEEP
594+22	15'	48"	END STEEL
594+27	15'	48"	TIE IN COUPLERS
594+47	15'	48"	
594+67	15'	48"	
594+87	15'	48"	
595+07	15'	48"	
595+27	15'	48"	
595+47	15'	48"	
595+67	15'	48"	
595+87	15'	48"	
596+07	15'	48"	
596+27	15'	48"	
596+47	15'	48"	
596+67	15'	48"	
596+82	15'	60"	BEG STEEL
596+87	15'	60"	3" WATER 12" DEEP
596+92	15'	60"	END STEEL
597+17	15'	48"	
597+37	15'	48"	
597+57	15'	48"	
597+77	15'	48"	
597+97	15'	48"	
598+17	15'	48"	
598+37	15'	48"	
598+57	15'	48"	

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: TRENCH IN PLACE & TIE-INS PAGE 2

SPREAD: N-3

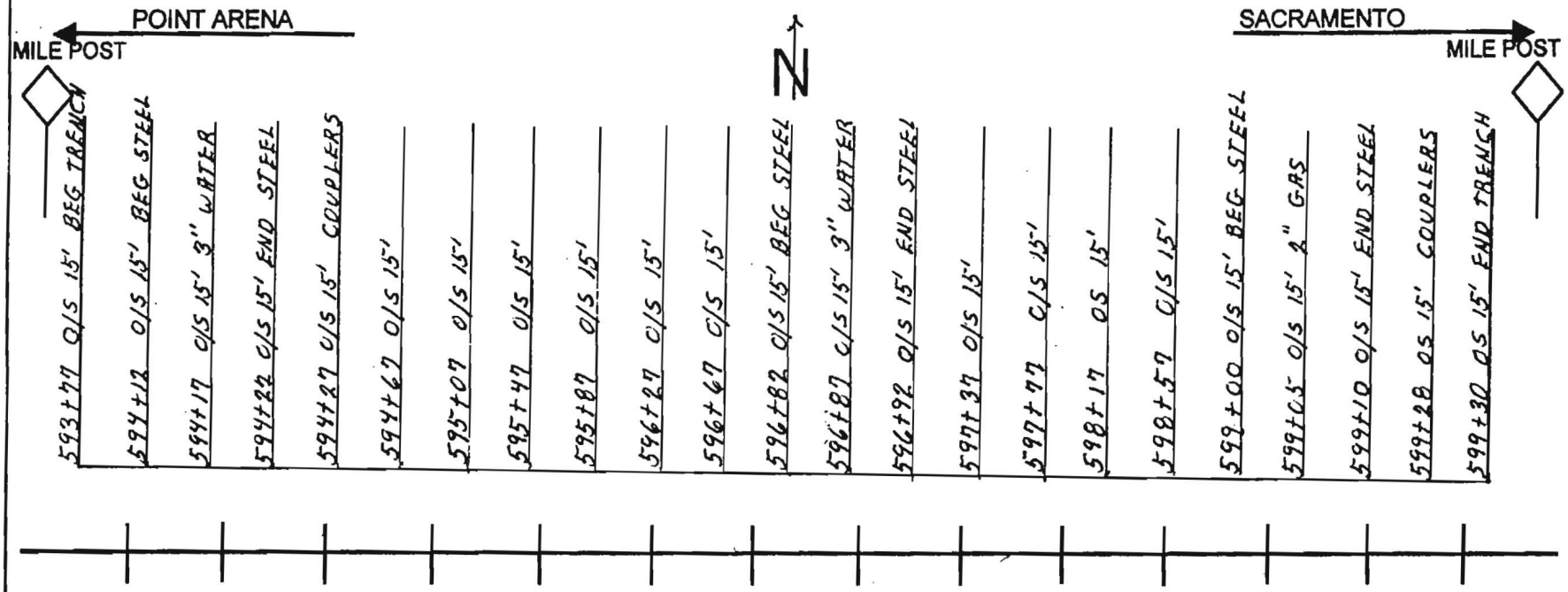
CONTRACTOR: H&M INSPECTOR: C GIER DATE: 8-31-00

DWG.:# 052 LOCATION: SONOMA

STATION:	OFFSET:	DEPTH:	NOTES:
598+67	15'	48	
598+87	15'	48	
599+00	15'	78	BEG STEEL
599+05	15'	78	2" GAS 36" DEED
599+10	15'	78	END STEEL
599+28	15'	48	COUPLERS TIE-IN
599+30	15'	48	END TRENCH

CONSTRUCTION AS-BUILT DOCUMENTATION

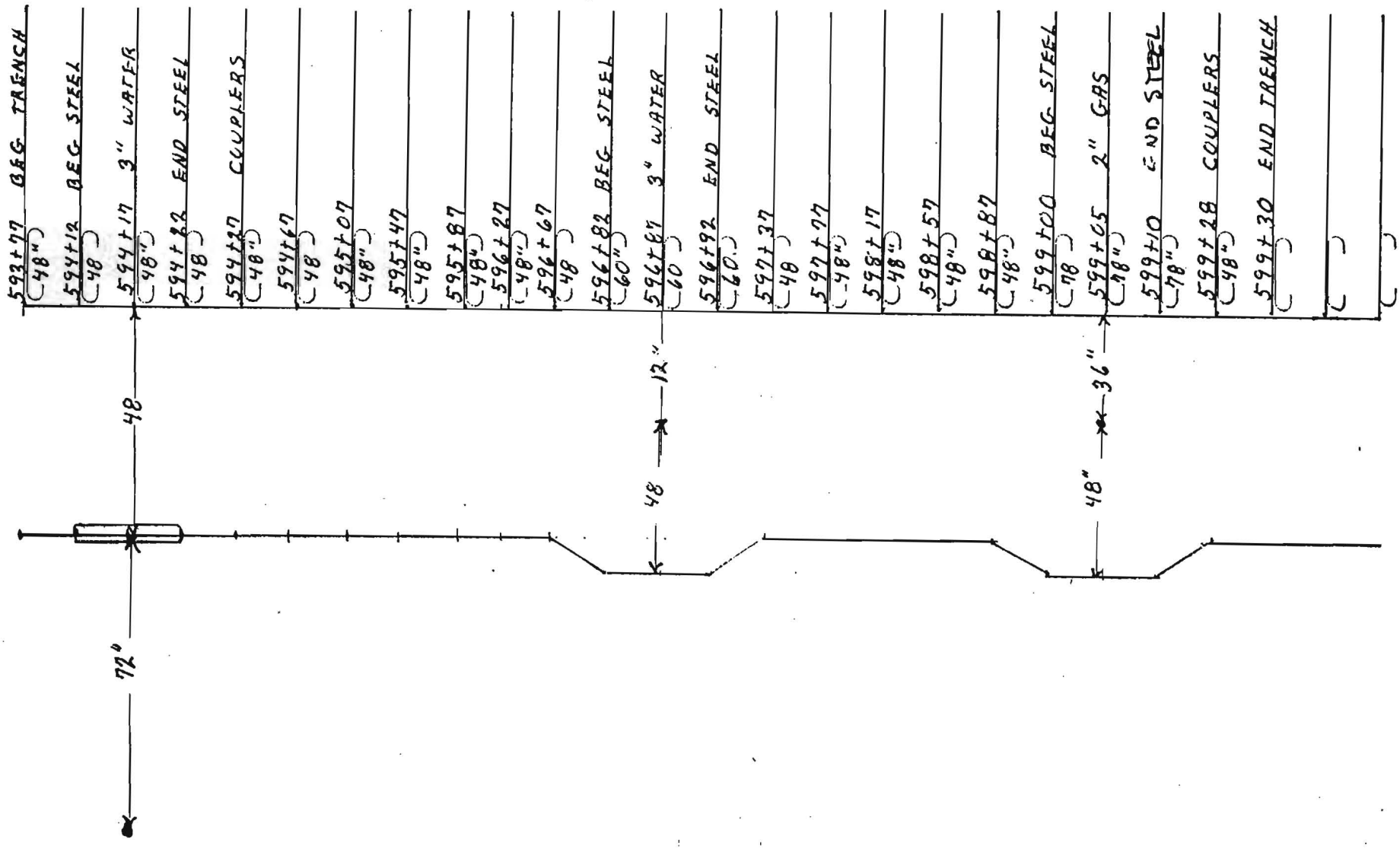
DATE	PROJECT #	DWG/ALIGN. SHEET #	SPRE
8-31-00	4877	051-052	N-3



NOTES :	COUNTY :	CONTRACTOR :
TOTAL 553'	Sonoma	H&M
	DUCT CONFIGURATON :	INSPECTOR :
	2-1½" & 1-1¼" HDPE	C GIER

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJEC	DWG/ALIGN.SHEET #	SPREAD #
	8-31-00	48'	052	N-3

POINT ARENA ← N → SACRAMENTO



NOTES:	COUNTY:	CONTRACTOR:
TOTAL 553'	SONOMA	H+M
	DUCT CONFIGURATION:	INSPECTOR:
	2-1½ & 1-1¼ HDPE	C GIER

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD: 3H

CONTRACTOR: Hinkels & Mccoy INSPECTOR: Kenny Strickland DATE: 8-31-00

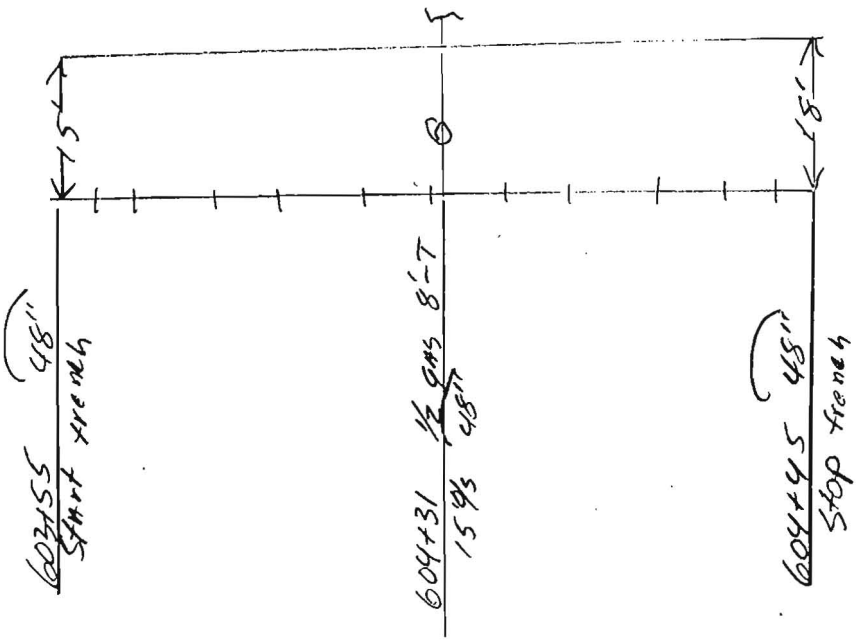
DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
599+30	15'0/s	48"	Start Plow
601+30	15'0/s	48"	
603+30	15'0/s	48"	
603+55	15'0/s	48"	End Plow
603+55	15'0/s	48"	Start trench
604+31	15'0/s	48"	1/2 gas 8'-T
604+45	18'0/s	48"	Stop trench
604+45	25'0/s	48"	Start plow
606+45	25'0/s	48"	
608+45	25'0/s	48"	
610+45	25'0/s	48"	
611+80	25'0/s	48"	Stop Plow
611+80	25'0/s	48"	Start trench
611+84	25'0/s	48"	TIE IN couplins
612+10	25'0/s	60"	4" water 30"-T
612+22	25'0/s	60"	1/2" Tel 24"-T
612+30	25'0/s	48"	Stop trench
612+30	25'0/s	48"	Start Plow
614+30	25'0/s	48"	
616+37	25'0/s	48"	Stop Plow

current as of:12/7/98

CONSTRUCTION AS-BUILT DOCUMENTATION

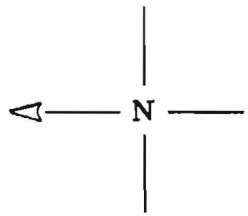
DAT	PROJECT #	ALIGN. SHEET #	SPREAD #
8[illegible]00	4477	53	3N

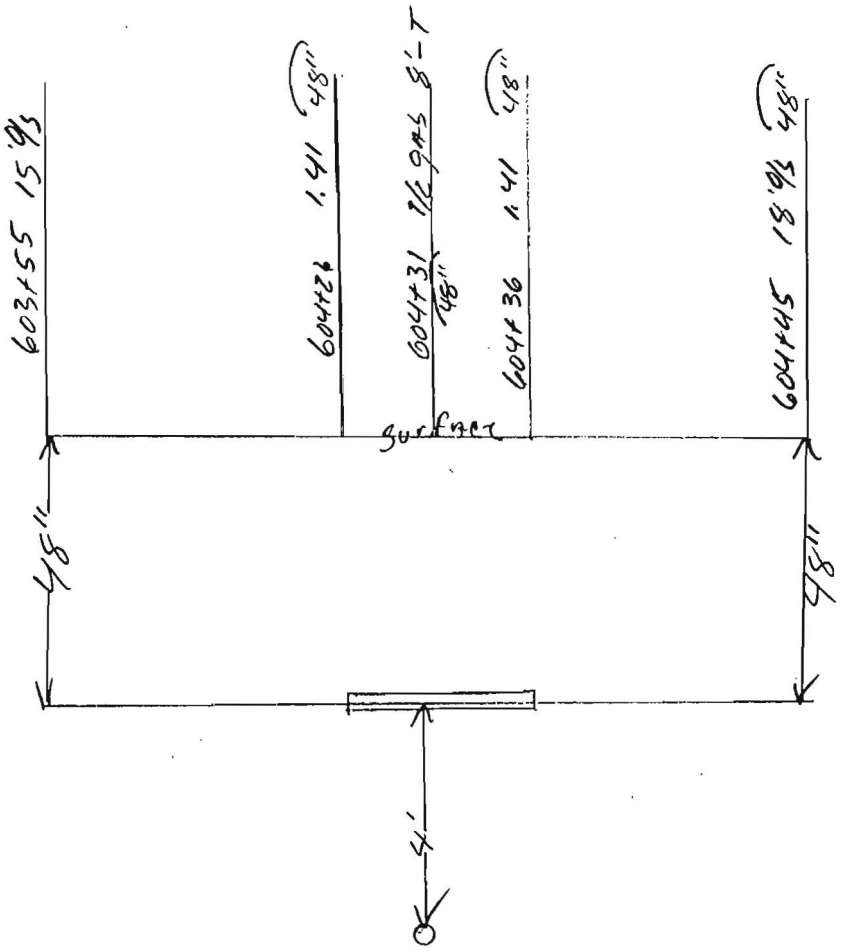


NOTES:	COUNTY	CONTRACTOR
	Sonoma	Markels & McCoy
	DUCT CONFIGURATION	INSPECTOR
	(2) 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	ALIGN. SHEET #	SPREAD #
8/[redacted]U	4877	53	3[redacted]

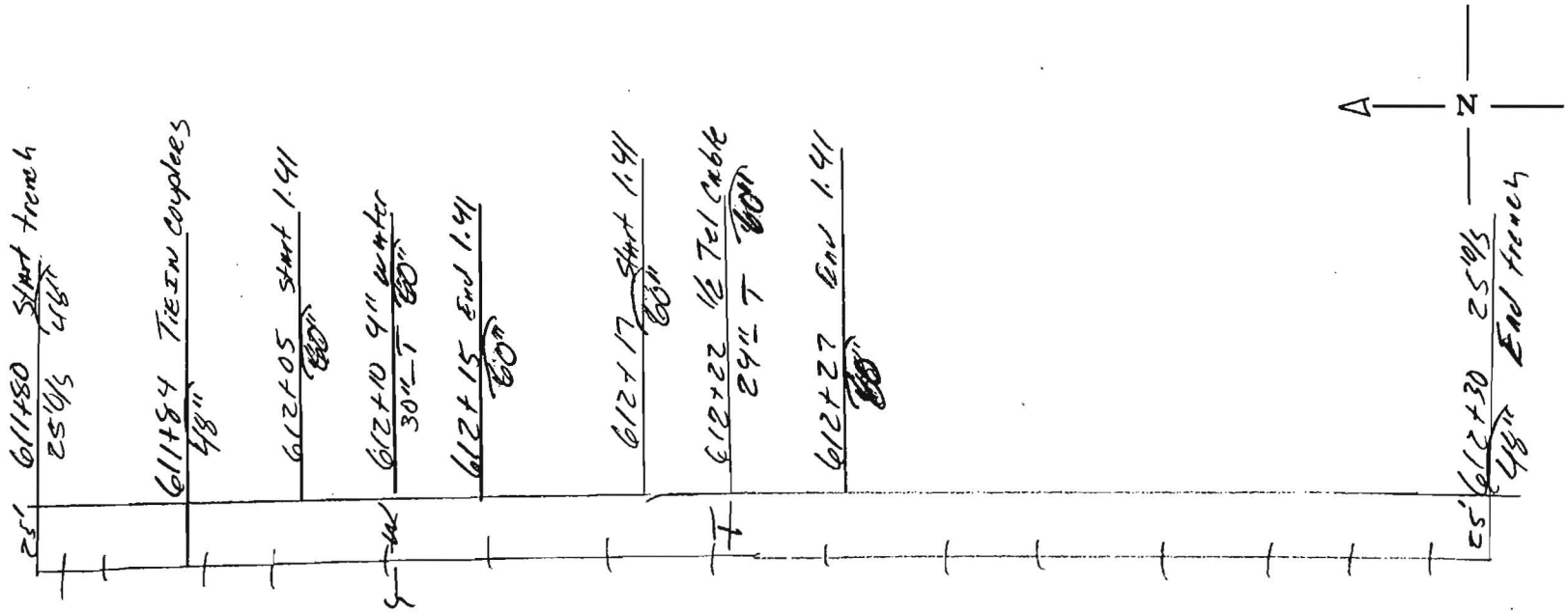




NOTES:	COUNTY	CONTRACTOR
	Sonoma	Hinkels & Mccoy
	DUCT CONFIGURATION	INSPECTOR
	(2) 1 1/2 (1) 1 1/4	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	ALIGN. SHEET #	SPREAD #
4/00	4477	53	31



NOTES:

COUNTY: Sonoma

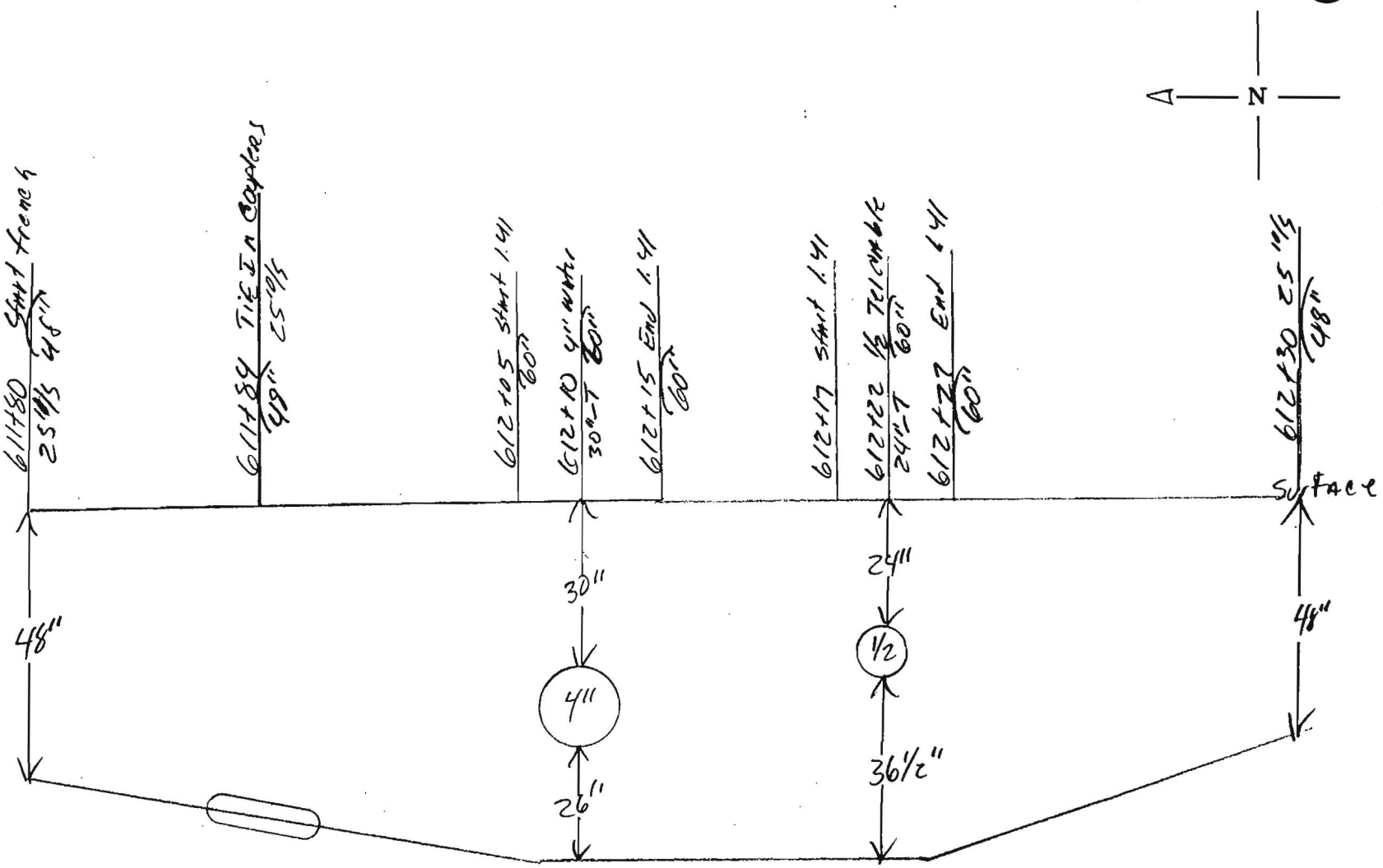
CONTRACTOR: Hankels & Meany

DUCT CONFIGURATION: (2) 1½ (1) 1¼

INSPECTOR: Kenny Stricklund

CONSTRUCTION AS-BUILT DOCUMENTATION

DAT	PROJECT #	ALIGN. SHEET #	SPREAD #
9-[illegible]00	4877	53	3N



NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1 1/2 | (1) 1 1/4	Kenny Gilliland

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

611+82 ROAD SIGN 10' RT [3867+68.5, 15' RT NCRRA]
611+88 BEGIN STEEL PIPE [3867+62.4 NCRRA]
611+98 CL OF DRIVEWAY [3867+52.4 NCRRA]
612+08 END STEEL PIPE [3867+42.4 NCRRA]
612+06 ROAD SIGN 39' RT [3867+44.4, 14' LT NCRRA]
612+13 P/L MARKER 7' LT [3867+37.4, 32' RT NCRRA]
612+18 FIBER MARKER 13' RT [3867+32.4, 12' RT NCRRA]
WITH SPECIAL 75'DIS 48"

616+49 FIBER MARKER 9' RT [3863+00.0, 16' RT NCRRA]
616+57 FIBER MARKER 5' RT [3862+92.0, 20' RT NCRRA]
616+59 FIBER MARKER 4' RT [3862+90.0, 40' RT NCRRA]
616+61 BEGIN STEEL PIPE [3862+88.0 NCRRA]
616+79 P/L MARKER 15' LT [3862+70.0, 18' RT NCRRA]
616+91 END STEEL PIPE [3862+57.9 NCRRA]
616+93 POWER POLE 20' LT [3862+55.9, 46' RT NCRRA]
616+94 FIBER MARKER 8' RT [3862+54.9, 18' RT NCRRA]
617+41 NCRRA R/W CHANGE [3862+07.8 NCRRA]
617+43 R/L CHANGE [3862+05.8' NCRRA]
617+62 R/L CHANGE [3861+86.7' NCRRA]

RAILROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 20, T10N AND R9W
MDB&M

SACRAMENTO →

PROPOSED WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

PAC BELL

EG — EG — GUY WIRE

CL GRAVEL DRIVEWAY

CL CREEK

MATCH LINE SHT. 052 607+58

MATCH LINE SHT. 054 619+57

N

75'DIS 48" | 75'DIS 48" | 25'DIS 48" | 35'DIS 48"

30'-0" | 25'-0" | 30'-0" | 35'-0" | 50'-0"

R/W | PL | T | X

608+00 | 609+00 | 610+00 | 611+00 | 612+00 | 613+00 | 614+00 | 615+00 | 616+00 | 617+00 | 618+00 | 619+00

48" | 48" | 48" | 48"

CABLE TRENCH 75'DIS 60" | 75'DIS 60" | 75'DIS 48" | 75'DIS LT.

75'DIS | 75'DIS | 75'DIS | 75'DIS

4" END PLOW / TRENCH MINIMUM DEPTH

END STEEL PIPE | BEGIN STEEL PIPE | END STEEL PIPE | END TRENCH

MARKER POLE

END PLOW / BEGIN TRENCH

D-GEYSERVILLE-5

DIRECTIONAL DRILL 60" MINIMUM DEPTH

END TRENCH

607+58 | 619+57

608+45 | 608+45 | 611+80 | 612+05 | 612+15 | 612+17 | 612+27 | 612+30 | 613+44 | 614+20 | 614+37 | 614+70 | 617+47

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

1199' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

20' - STEEL PIPE | 30' - STEEL PIPE

607+58	611+80	612+05	612+15	612+17	612+27	612+30	613+44	614+37	614+70	617+47
611+80	612+05	612+15	612+17	612+27	612+30	613+44	614+37	614+70	617+47	619+57
422'	25'	10'	2'	10'	3'	101'	130'	190'		
1.11	1.11	1.11&1.41	1.11	1.11&1.41	1.11	1.11	TRENCH	PLOW		
2-1.5" HDPE	2-1.5" HDPE	5" STEEL	2-1.5" HDPE	5" STEEL	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE		
1-1.25" HDPE	1-1.25" HDPE	2-1.5" HDPE	1-1.25" HDPE	2-1.5" HDPE	1-1.25" HDPE	1-1.5" HDPE	1-1.25" HDPE	1-1.25" HDPE		
K STRICKLAND	K STRICKLAND	1-1.25" HDPE	K STRICKLAND	1-1.25" HDPE	K STRICKLAND	M STRICKLAND	K STRICKLAND	K STRICKLAND		
8_31_00	8_31_00	K STRICKLAND	8_31_00	K STRICKLAND	8_31_00	8_31_00	10_24_00	9_1_00		
HDM	HDM	8_31_00	HDM	8_31_00	HDM	HDM	HDM	HDM		
		HDM		HDM						

IN BLACK 1.25 HDPE

6.12 PD BY JR SHTS 5_16_01

REV-1

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. 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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 :	ALI	DATE :	08/02/00
CHECKED BY :	KDB	DATE :	08/02/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4875	LOC. CODE :	006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'		
VERTICAL SCALE (DWG) :	1"=100'		
VERTICAL SCALE (PROF) :	1"=100'		
MAP PROJECTION :	MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-053-SPRD 4

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:

SPREAD: 3H

CONTRACTOR: Hinkels & Mercy INSPECTOR: Kenny Strickland DATE: 8-31-00

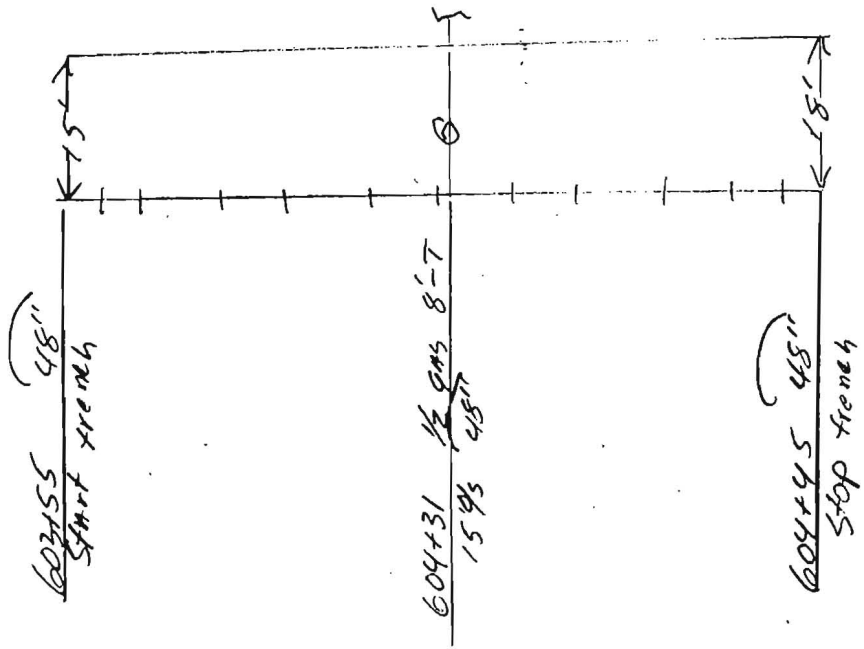
DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
599+30	15'0"/s	48"	Start Plow
601+30	15'0"/s	48"	
603+30	15'0"/s	48"	
603+55	15'0"/s	48"	End Plow
603+55	15'0"/s	48"	Start trench
604+31	15'0"/s	48"	1/2 gas 8'-T
604+45	15'0"/s	48"	Stop trench
604+45	25'0"/s	48"	Start plow
606+45	25'0"/s	48"	
608+45	25'0"/s	48"	
610+45	25'0"/s	48"	
611+80	25'0"/s	48"	Stop Plow
611+80	25'0"/s	48"	Start trench
611+84	25'0"/s	48"	TIE IN couplins
612+10	25'0"/s	60"	4" water 30"-T
612+22	25'0"/s	60"	1/2" Tel 24"-T
612+30	25'0"/s	48"	Stop trench
612+30	25'0"/s	48"	Start Plow
614+30	25'0"/s	48"	
616+37	25'0"/s	48"	Stop Plow

CONSTRUCTION AS-BUILT DOCUMENTATION

DAT	PROJECT #	ALIGN. SHEET #	SHEET #
8/10	4477	53	3N

N



NOTES:

COUNTY	CONTRACTOR
Sonoma	Markels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #		
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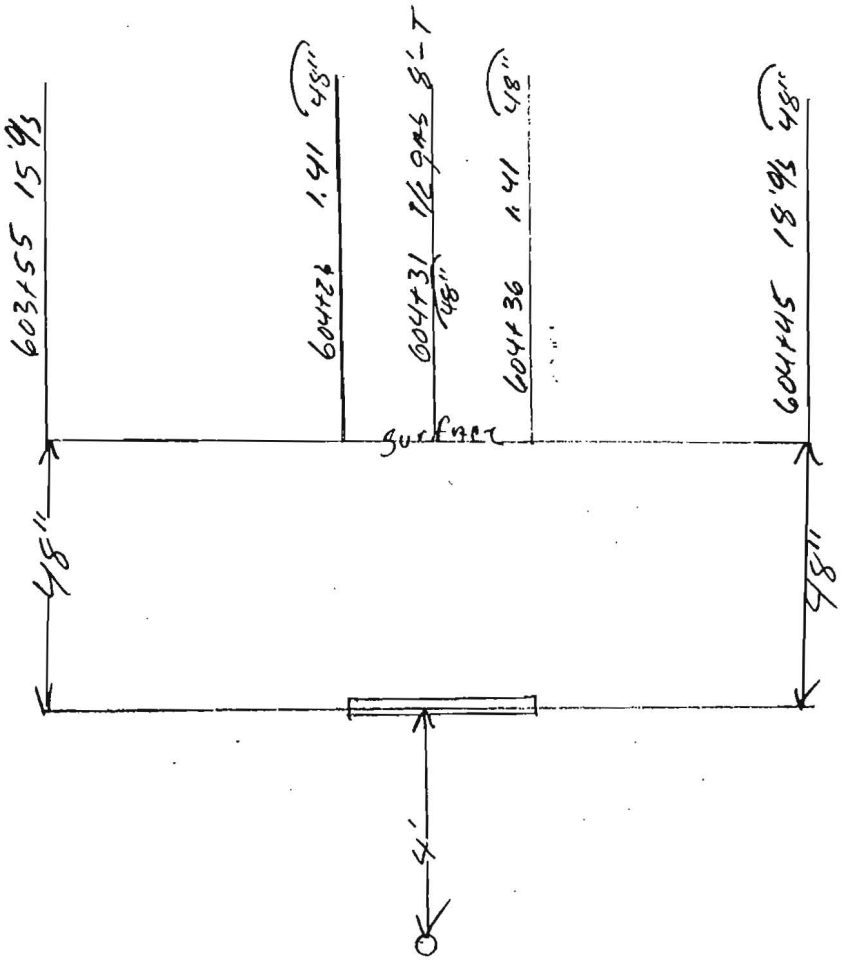


NOTES:

COUNTY: Sonoma

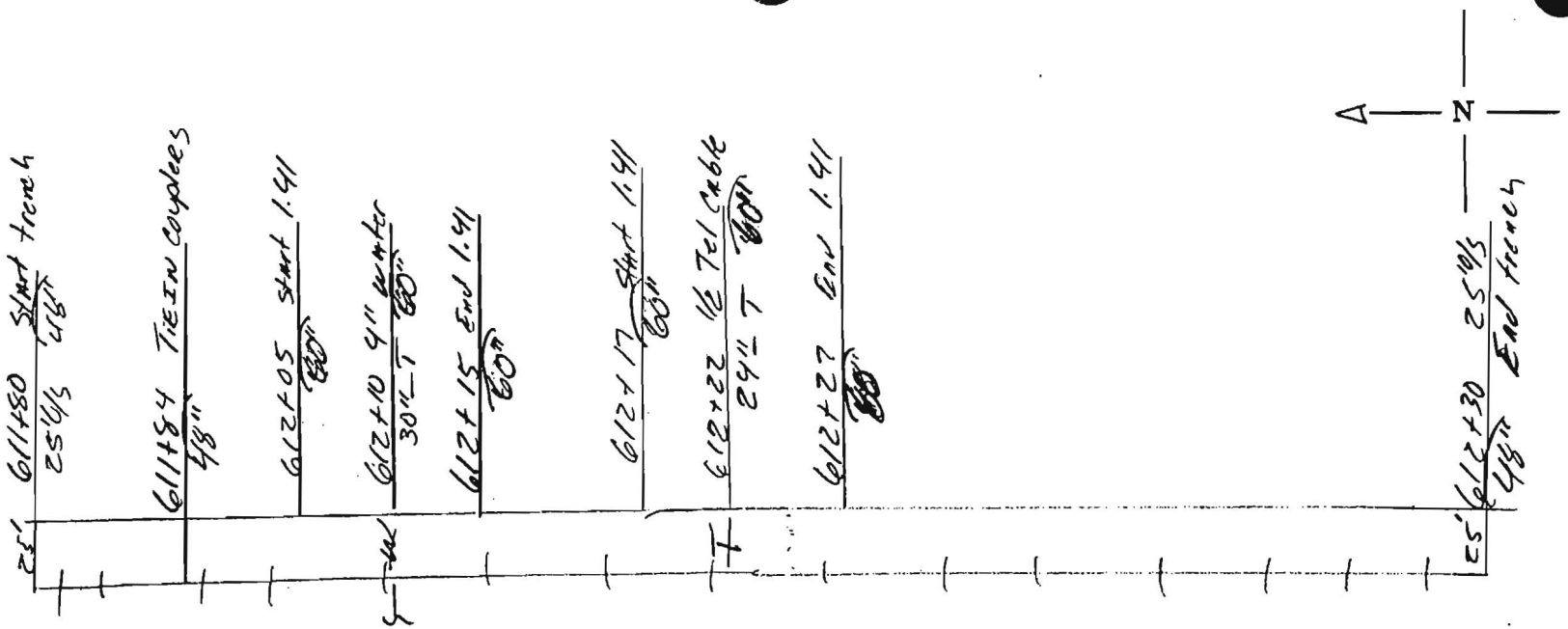
CONTRACTOR: Hinkels & Mccoy

DUCT CONFIGURATION: (2) 1½ (1) 1¼

INSPECTOR: Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	ALIGN. SHEET #	SPREAD #
4/00	4877	53	3A

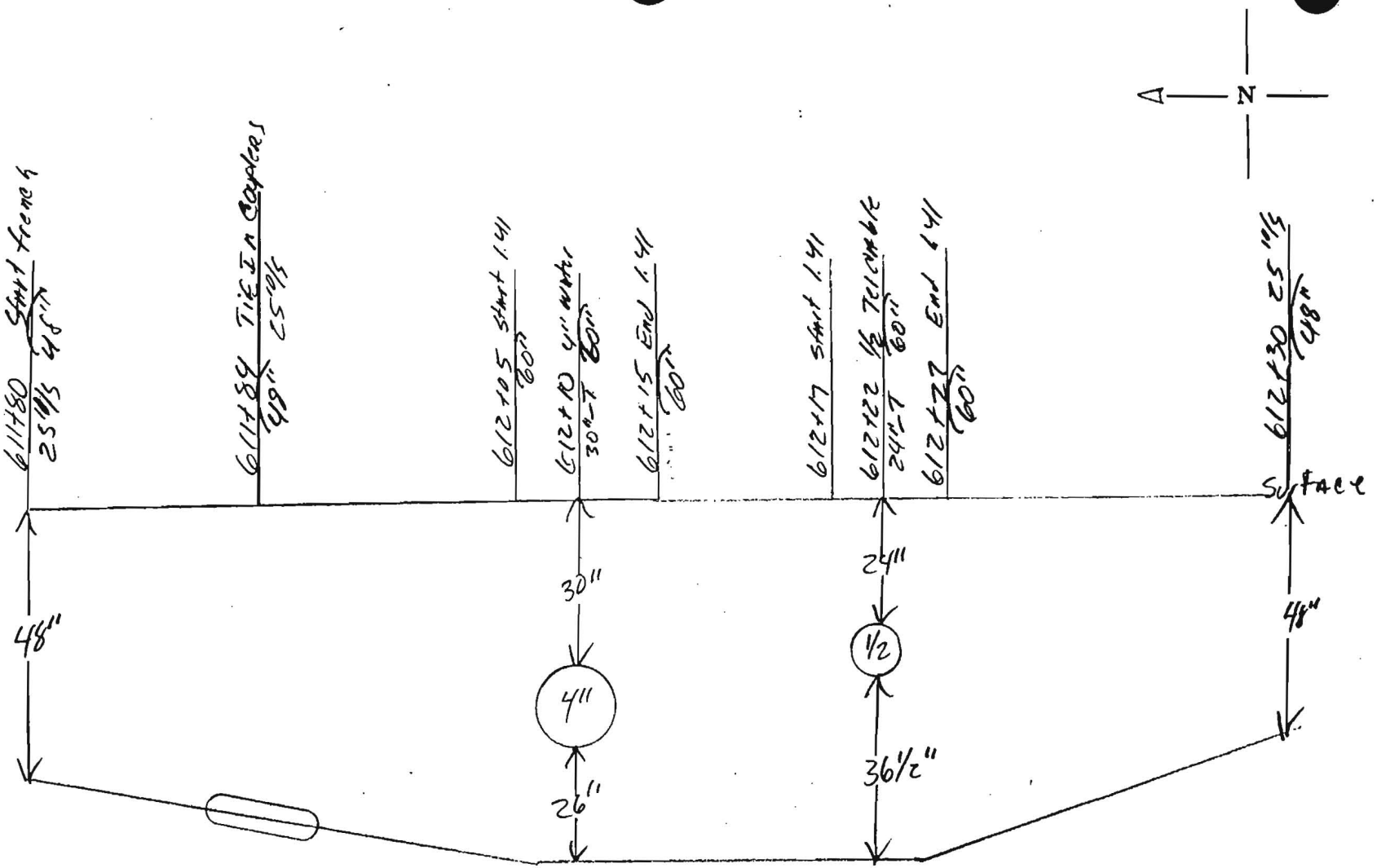


NOTES:

COUNTY	CONTRACTOR
Sonoma	Hankels & Mccoy
DUCT CONFIGURATION	INSPECTOR
(2) 1½ (1) 1¼	Kenny Strickland

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	ALIGN. SHEET #	SECTION #
9-00	4877	53	3N

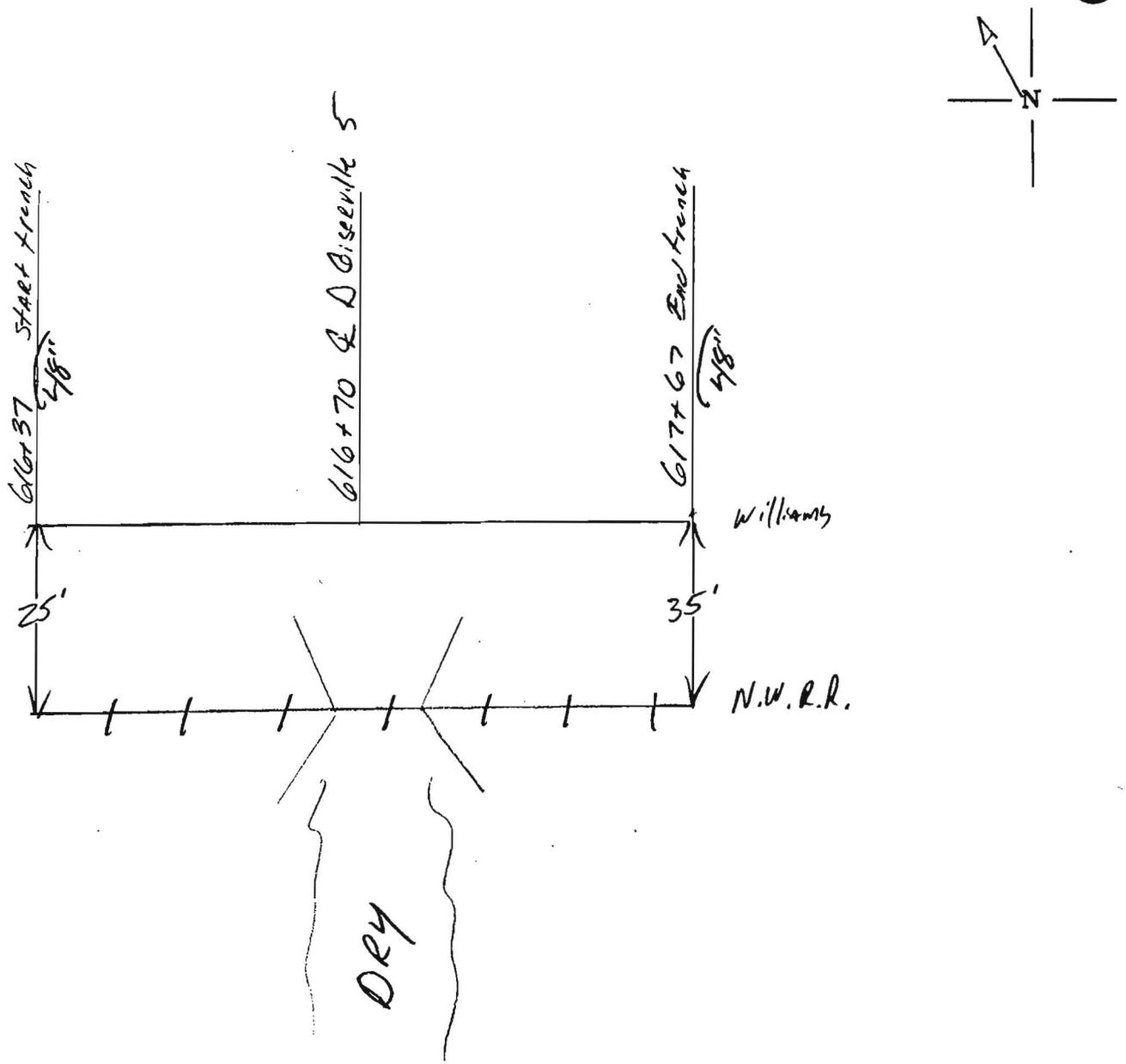


NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	INSPECTOR
(2) 1 1/2 (1) 1 1/4	Ronny Gilliland

CONST[illegible]ICTION AS-BUILT DOCUMENTATION

D/	PROJECT #	ALIGN. SHEET#	SPREAD #
[illegible]4-00	4877	53	99P.[illegible]14



NOTES:	COUNTY	CONTRACTOR
trench through D- Biserville 5	Sonoma	Hinkels
	DUCT CONFIGURATION	INSPECTOR
	2-1 1/2 1-1 1/4	Kenny Strickland

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:

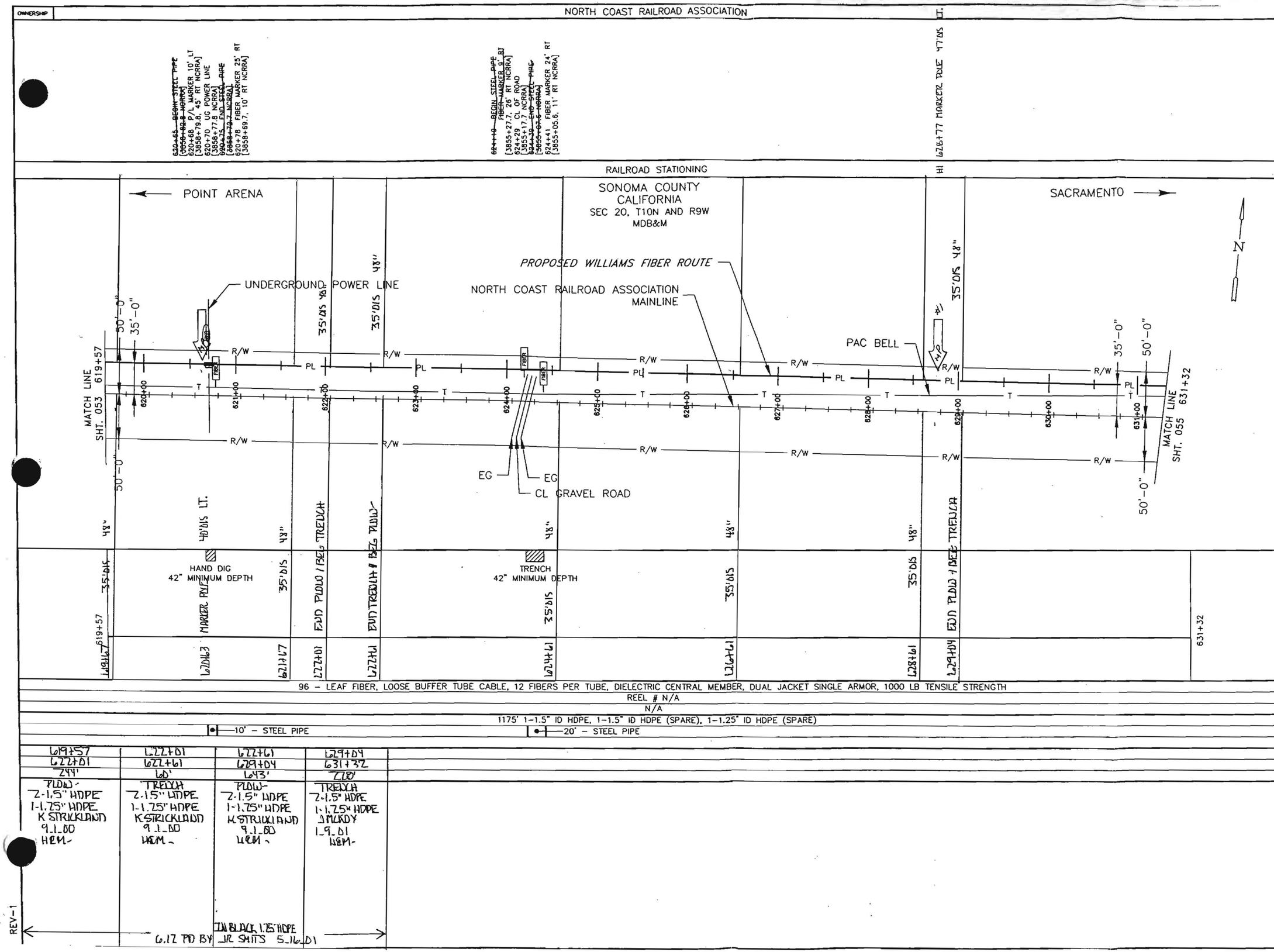
SPREAD: 3N

CONTRACTOR: Hinkels & Mccoy INSPECTOR: Kenny Strickland DATE: 9-1-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
617+67	35'0/S	48"	Begin Plow
619+67	35'0/S	48"	
621+67	35'0/S	48"	
622+01	35'0/S	48"	End Plow
622+01	35'0/S	48"	Start trench
622+61	35'0/S	48"	End trench
622+61	35'0/S	48"	Start Plow
624+61	35'0/S	48"	
626+61	35'0/S	48"	
628+61	35'0/S	48"	
629+[illegible]	35'0/S	48"	End Plow

current as of: 12/7/98



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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1-888-265-2283

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALI	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-054-SPRD 4	

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:

SPREAD: 3N

CONTRACTOR: Hinkels & Mccoy INSPECTOR: Kenny Strickland DATE: 9-1-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
617+67	35'0/S	48"	Begin Plow
619+67	35'0/S	48"	
621+67	35'0/S	48"	
622+01	35'0/S	48"	End Plow
622+01	35'0/S	48"	Start trench
622+61	35'0/S	48"	End trench
622+61	35'0/S	48"	Start Plow
624+61	35'0/S	48"	
626+61	35'0/S	48"	
628+61	35'0/S	48"	
629+62	35'0/S	48"	End Plow

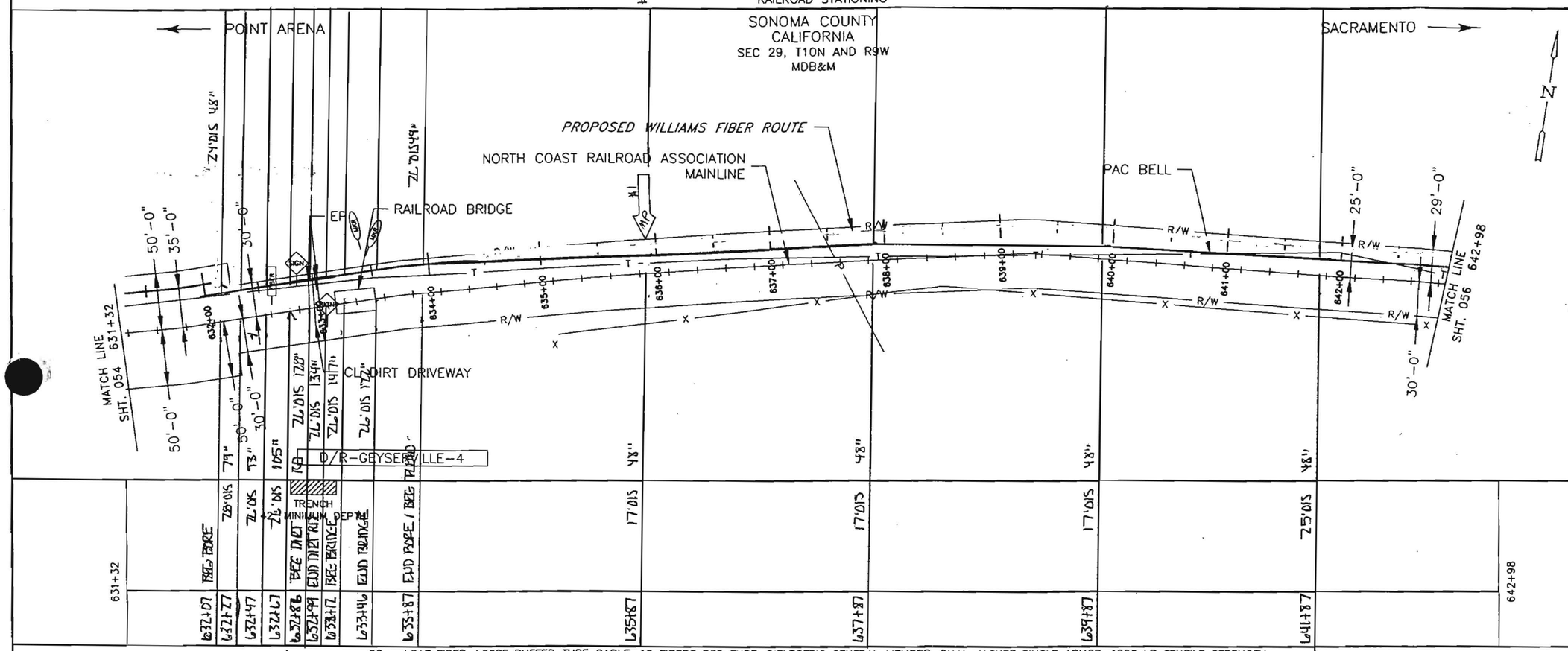
current as of: 12/7/98

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

632+12 R/L CHANGE [3847+32.3 NCRRA]
632+29 NCRRA R/W CHANGE R/L CHANGE [3847+15.2 NCRRA]
632+59 FIBER MARKER 17' RT [3846+85.1, 8' RT NCRRA]
~~632+80 BEGIN STEEL PIPE [3846+68.1 NCRRA]~~
632+83 ROAD SIGN 4' RT [3846+66.1, 21' RT NCRRA]
632+98 CL OF DRIVEWAY [3846+46.0 NCRRA]
~~633+10 END STEEL PIPE [3846+28.0 NCRRA]~~
633+04 ROAD SIGN 43' RT [3846+40.0, 19' LT NCRRA]
633+43 P/L MARKER 20' LT [3846+00.9, 45' RT NCRRA]
633+46 P/L MARKER 13' LT [3845+97.9, 38' RT NCRRA]

LT. 6"DIS MARKER POLE 7L'DIS

HI RAILROAD STATIONING



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
1166' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)
40' – STEEL PIPE

631+32	632+07	633+87
632+07	633+87	642+98
75'	180'	911'
TRENCH 2-1.5" TRENCH 1-1.25" HDPE JEFF McKOY 1-9-01 HEM	BORE 2-1.5" HDPE 1-1.25" HDPE JEFF MOODY 11.8.00 HEM	PLOW 2-1.5" HDPE 1-1.25" HDPE KENNY STRICKLAND 9-5-00 HEM

IN BLACK 1.25" HDPE 6.12 PD BY JR SMITS 5-16-01

REV-1

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.L.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
1-888-265-2283
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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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

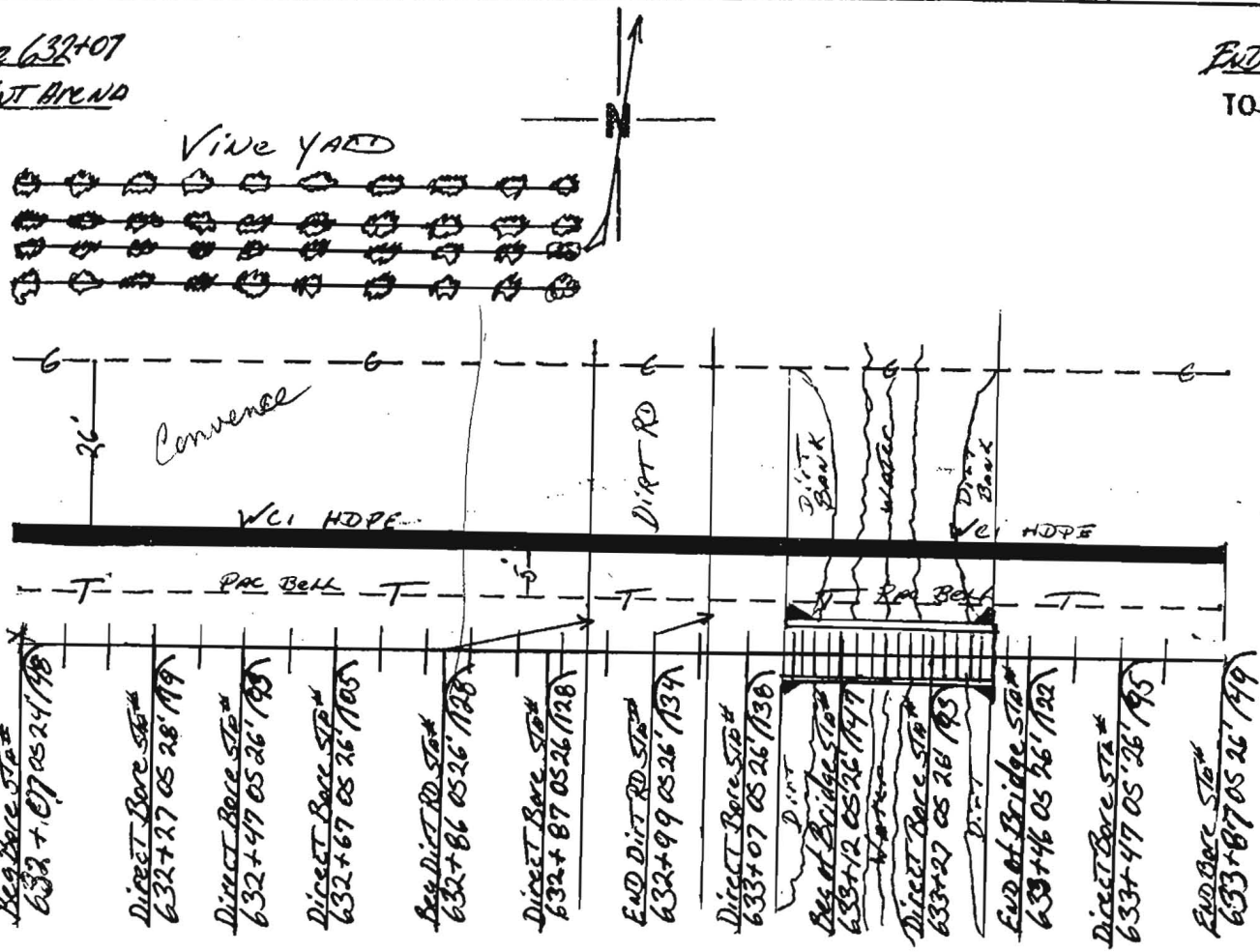
POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : AJJ	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'
VERTICAL SCALE (DWG) :	1"=100'
VERTICAL SCALE (PROF) :	1"=100'
MAP PROJECTION :	MAP-PROJECTION
DRAWING NUMBER :	PTAR-SACR-055-SPRD 4

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	DATE: 11-8-00	PROJECT # 4875	DWG / ALIGNMENT SHEET 055	SPREAD # 3 North

Beg Bore 632+07
FROM: Point Arena

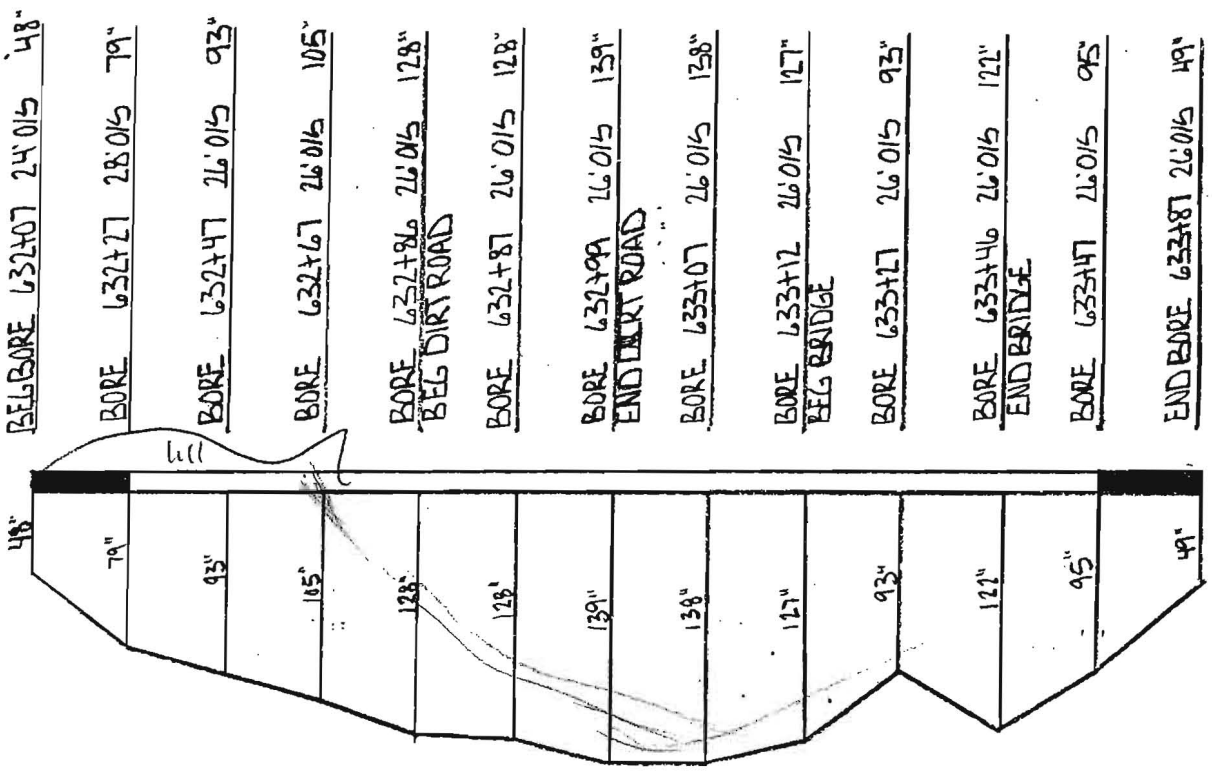
End Bore 633+87
TO: Sacramento



NOTES: Direct Bore As built DIR Geyerville-4	COUNTY: SONOMA	CONTRACTOR: Henkels & McCoy
	DUCT CONFIGURATION: 3 Conduits 2-1½ & 1-1¼	INSPECTOR: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	SPREAD #:
11.8.00	4875	053	3



NOTES: 2-1.5" HDPE ORANGE-BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: JEFF MCKOY

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow in (3) H.D.P.E.	3N

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 9-6-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
633+87	25'10/s	48"	Start Plow
635+87	17'10/s	48"	
637+87	17'10/s	48"	
639+87	17'10/s	48"	
641+87	25'10/s	48"	
643+87	25'10/s	48"	
643+93	25'10/s	48"	End Plow
644+67	35'10/s	48"	Start Plow
646+67	35'10/s	48"	
647+67	35'10/s	48"	
649+67	46'10/s	48"	
650+67	35'10/s	48"	End Plow
651+24	35'10/s	48"	Start Plow
653+16	35'10/s	48"	End Plow
654+03	35'10/s	48"	Start Plow
656+03	35'10/s	48"	
657+17	35'10/s	48"	End Plow

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

643+31 NCRRA R/W CHANGE [3836+09.9 NCRRA]
643+59 R/L CHANGE [3835+81.8 NCRRA]
643+70 R/L CHANGE [3835+70.8 NCRRA]
644+35 BEGIN STEEL PIPE [3835+05.6 NCRRA]
644+45.5 CL NCRRA ROAD [3834+95.1 NCRRA]
644+52 FIBER MARKER 22' RT [3834+88.5 12' RT NCRRA]
644+53 FIBER MARKER 27' RT [3834+87.5, 7' RT NCRRA]
644+55 END STEEL PIPE [3834+85.5 NCRRA]
644+62 ROAD SIGN 25' RT [3834+78.5, 9' RT NCRRA]
645+08 FIBER MARKER 22' RT [3834+32.4, 12' RT NCRRA]
645+11.8 FIBER MARKER 23' RT [3834+28.7, 13' RT NCRRA]
645+42.5 ROAD SIGN 56' RT [3833+97.2 20' LT NCRRA]
649+37 MARKER POLE 35' RT
649+30 MARKER POLE 47' RT
650+98 MARKER POLE 47' RT
651+37 MARKER POLE 37' RT
653+87 NCRRA R/W CHANGE [3825+50.7 NCRRA]
654+19 FIBER MARKER 25' RT [3825+18.6, 10' RT NCRRA]
654+23 BEGIN STEEL PIPE [3825+14.6 NCRRA]
654+24 FIBER MARKER 13' RT [3825+13.6, 22' RT NCRRA]
654+36 ROAD SIGN 19' RT [3824+99.5, 16' RT NCRRA]
654+46 FIBER MARKER 18' LT [3824+91.5, 53' RT NCRRA]
654+50 FIBER MARKER 16' LT [3824+87.5, 51' RT NCRRA]

RAILROAD STATIONING

#1 #2 #3 #4 #5

← POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 29, T10N AND R9W
MDB&M

SACRAMENTO →

PROPOSED WILLIAMS FIBER ROUTE
NORTH COAST RAILROAD ASSOCIATION MAINLINE
PAC BELL
CL ASPHALT ROAD
CL BILL FERGESON ROAD
EP
R/W
PL
T
X
HP
FIBER
MATCH LINE SHT. 055 642+98
MATCH LINE SHT. 057 654+51
N

642+98 | 643+00 | 644+00 | 645+00 | 646+00 | 647+00 | 648+00 | 649+00 | 650+00 | 651+00 | 652+00 | 653+00 | 654+00 | 654+51

25°0'S 48" | 25°0'S 48" | 35°0'S 47" | 35°0'S 70" | 35°0'S 48" | 35°0'S 48" | 35°0'S 48" | 35°0'S 48" | 35°0'S 48" | 35°0'S 48" | 35°0'S 48" | 35°0'S 48" | 35°0'S 48" | 35°0'S 48" | 35°0'S 48"

30'-0" | 30'-0" | 25'-0" | 35'-0" | 50'-0" | 30'-0" | 50'-0" | 35'-0" | 40'-0"

PBL TRENCH / EXD PLOW | EXD TRENCH | BBC BORE SHARE / BBC PLOW | DIRECTIONAL DRILL 50' MINIMUM DEPTH

643+87	643+87	644+35	644+40	644+50	644+55	644+67	650+67	651+24		654+83	654+83			
644+35	644+35	644+40	644+50	644+55	644+67	650+67	651+24	653+16		654+51	654+63			
87'	48'	5'	10'	5'	12'	600'	57'	192'		48'	20'			
PLOW - 2-1.5" HDPE 1-1.25" HDPE WILLIAMS 9_L_00 HEM	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 10_20_00 HEM	1.41 & 1.11 2-1.5" HDPE 1-1.29" HDPE K.STRICKLAND 10_10_00 HEM 5" STEEL	3.22 & 1.11 2-1.5" HDPE 1-1.29" HDPE K.STRICKLAND 10_10_00 HEM 5" STEEL	1.41 & 1.11 2-1.5" HDPE 1-1.75" HDPE K.STRICKLAND 10_00_00 HEM 5" STEEL	1.11 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 10_20_00 HEM	PLOW 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 9_5_00 HEM	TRENCH 2-1.5" HDPE 1-1.75" HDPE JOHN PADGETT 98-01-09_01 JEFF MCKAY HEM- 651+04 651+14 16' 1.41 5" STEEL H&M	PLOW - 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 9_5_00 HEM		PLOW - 2-1.5" HDPE 1-1.25" HDPE K.STRICKLAND 9_5_00 HEM	BORE 5" STEEL K.STRICKLAND 10_9_00 HEM			

1.11 PD BY K.STRICKLAND 10_20_00

IN BLACK 1.25" HDPE 6.12 PD BY JR 5_16_01

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

1153' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

20' – STEEL PIPE

60' – STEEL PIPE

REV-1

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
1-888-265-2283

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALI	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-056-SPRD 4	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow in (3) H.D.P.E.	3N

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 9-6-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
633+87	25'10/5	48"	start Plow
635+87	17'10/5	48"	
637+87	17'10/5	48"	
639+87	17'10/5	48"	
641+87	25'10/5	48"	
643+87	25'10/5	48"	
643+93	25'10/5	48"	End Plow
644+67	35'10/5	48"	start Plow
646+67	35'10/5	48"	
647+67	35'10/5	48"	
649+67	46'10/5	48"	
650+67	35'10/5	48"	End Plow
651+24	35'10/5	48"	start Plow
653+16	35'10/5	48"	End Plow
654+03	35'10/5	48"	start Plow
656+03	35'10/5	48"	
657+17	35'10/5	48"	End Plow

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

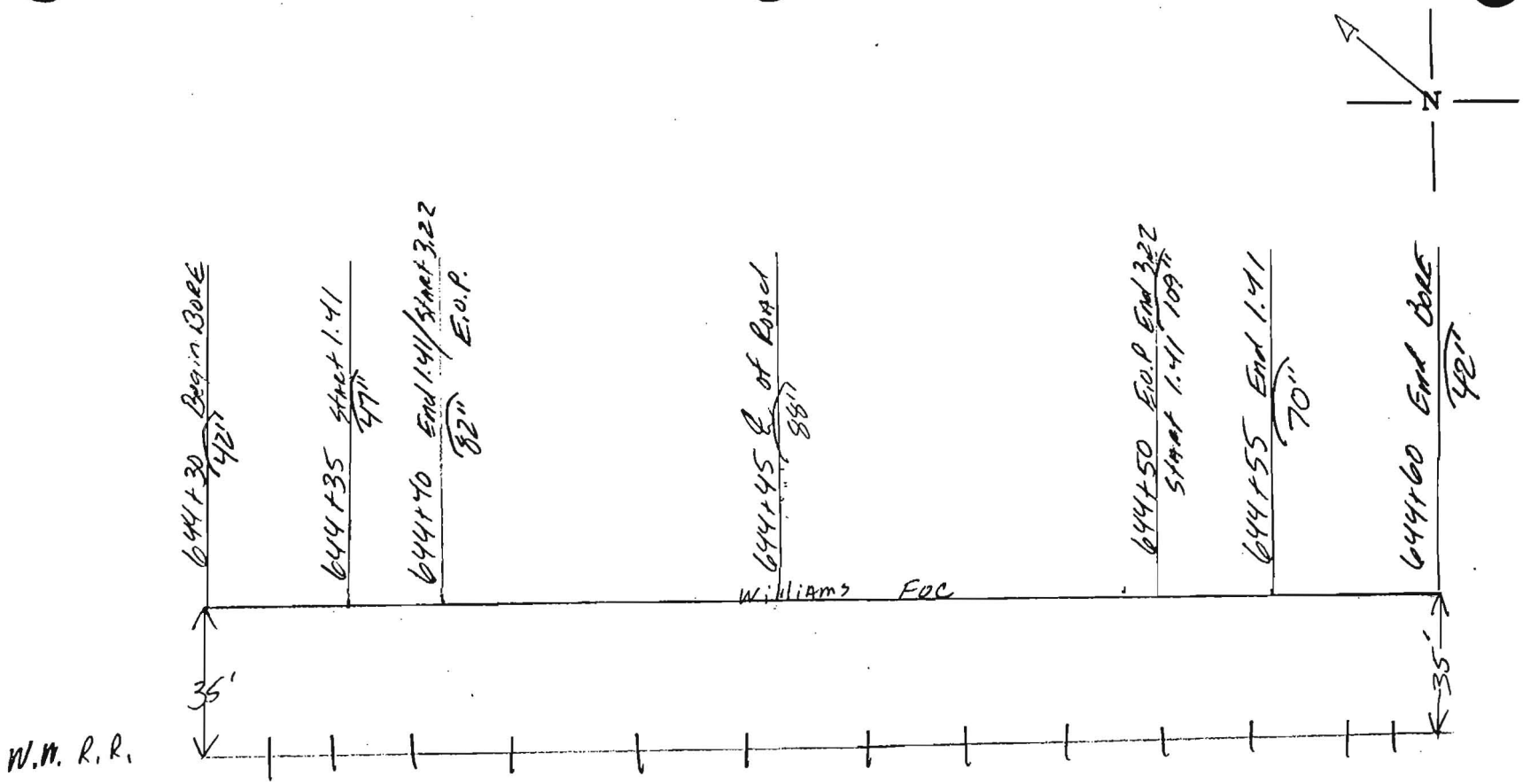
STATION #	OFF SET	DEPTH	MILE POST	REMARKS
644+35	35'	47"		START 1.41 BEGIN BORE
644+40	35'	82"		END 1.41 - START 3.22
644+45	35'	88"		℄ OF ASTI RD
644+50	35'	109"		END 3.22 - START 1.41
644+55	35'	70"		END 1.41 END BORE

DATE: 10-10-00
COUNTY: SONOMA
ALIGN. SHT. # 56

CONTRACTOR: HINKELS & MCKOY
INSPECTOR: KENNY STRICKLAND
PROJECT: 99P1541-14

CONSTRUCTION AS-BUILT DOCUMENTATION

DP	PROJECT #	ALIGN. SHEET #	SPREAD #
-00	4877	56	99P/5 /4

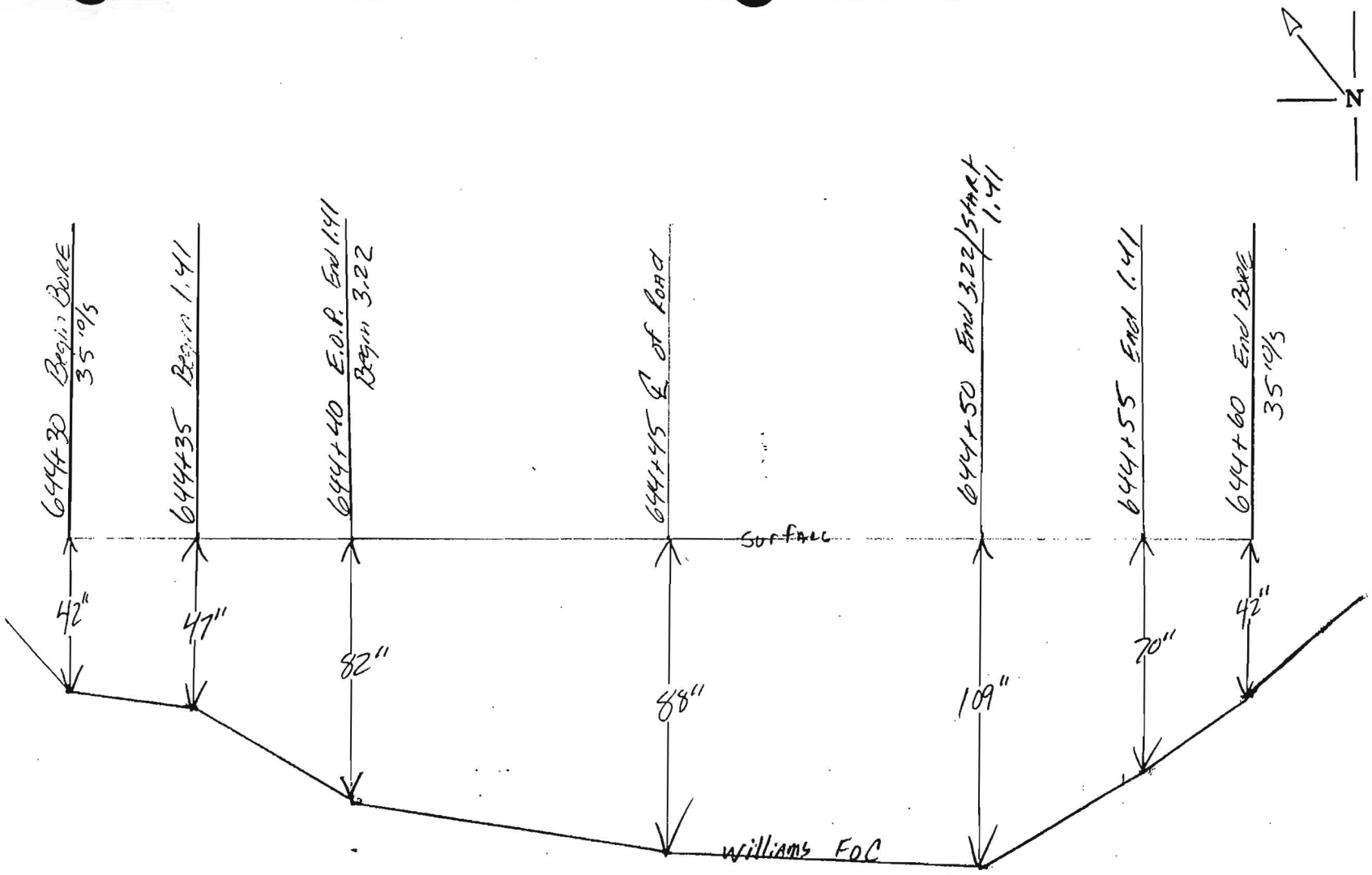


NOTES:

COUNTY	CONTRACTOR
Sonoma	Minkels
DUCT CONFIGURATION	INSPECTOR
2-1½ 1-1¼	Kenny Strickland

CONST[illegible]CTION AS-BUILT DOCUMENTATION

DA[illegible]	PROJECT #	ALIGN. SHEET#	SPREAD #
[illegible]	4877	56	77P15 [illegible]4



NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
1 1/2 1-1 1/4	Kenny Strickland

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
INSPECT T.I.C. IN 2-1x50-1-1x25 H.D.P.E AND PLACE 4" STEEL	3N

CONTRACTOR: Hinkels & McCoy INSPECTOR: John Pedgett DATE: 9-5-00

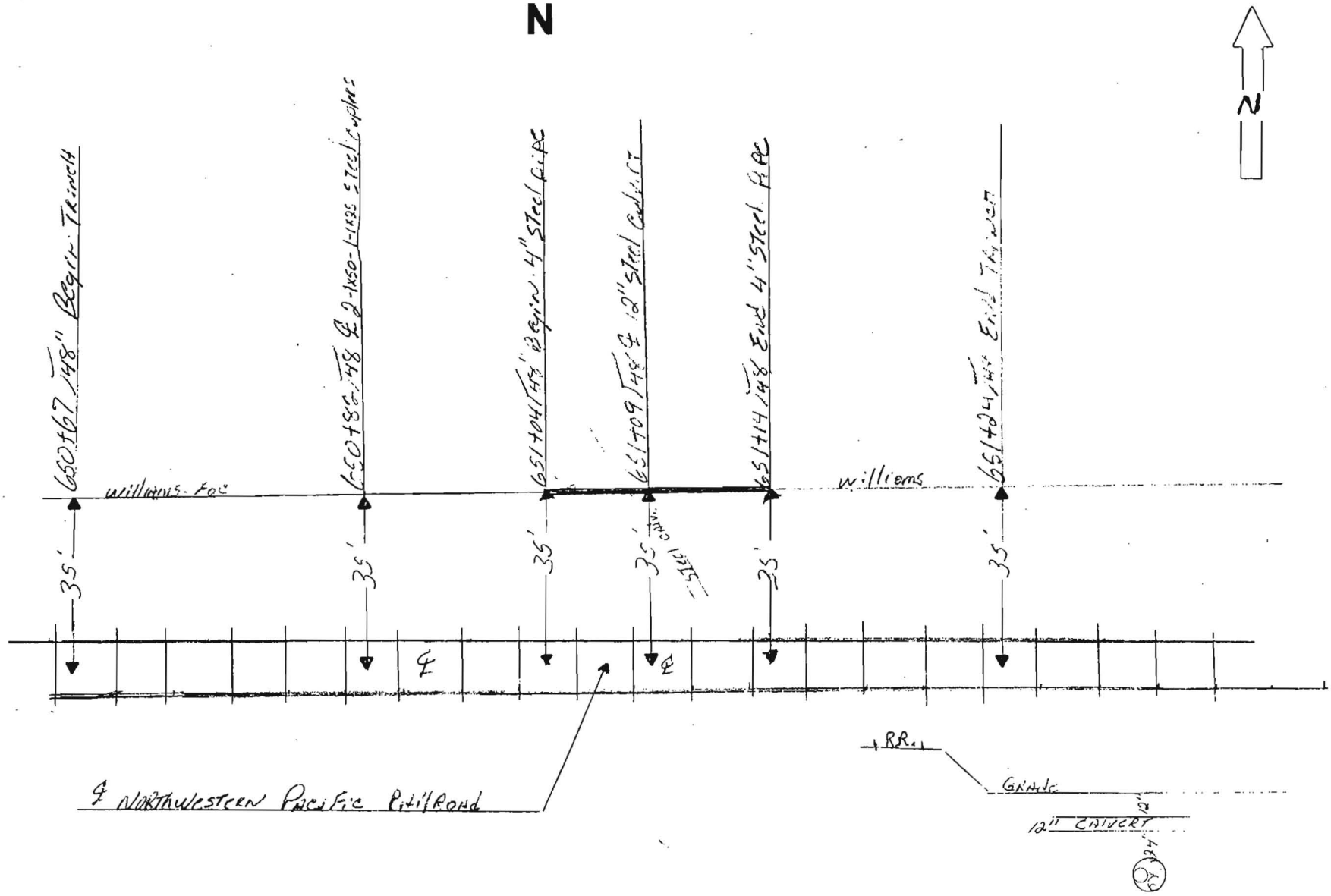
DWG.:# 056 LOCATION: K.R.

STATION:	OFFSET:	DEPTH:	NOTES:
650+67	35'	48"	END. FLOW BEGIN TRENCH
650+82	35'	48"	@ 2-1x50-1.1x25 STEEL CUPLERS
651+04	35'	48"	BEGIN. 4" STEEL PIPE
651+09	35'	48"	@. 18" STEEL CULVERT.
651+14	35'	48"	END 4" STEEL. PIPE
651+24	35'	48"	END. TRENCH.

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJECT #	DWG/ALIGN.SHEET #	SPREAD #
	9-5-00	[illegible]	056	3N

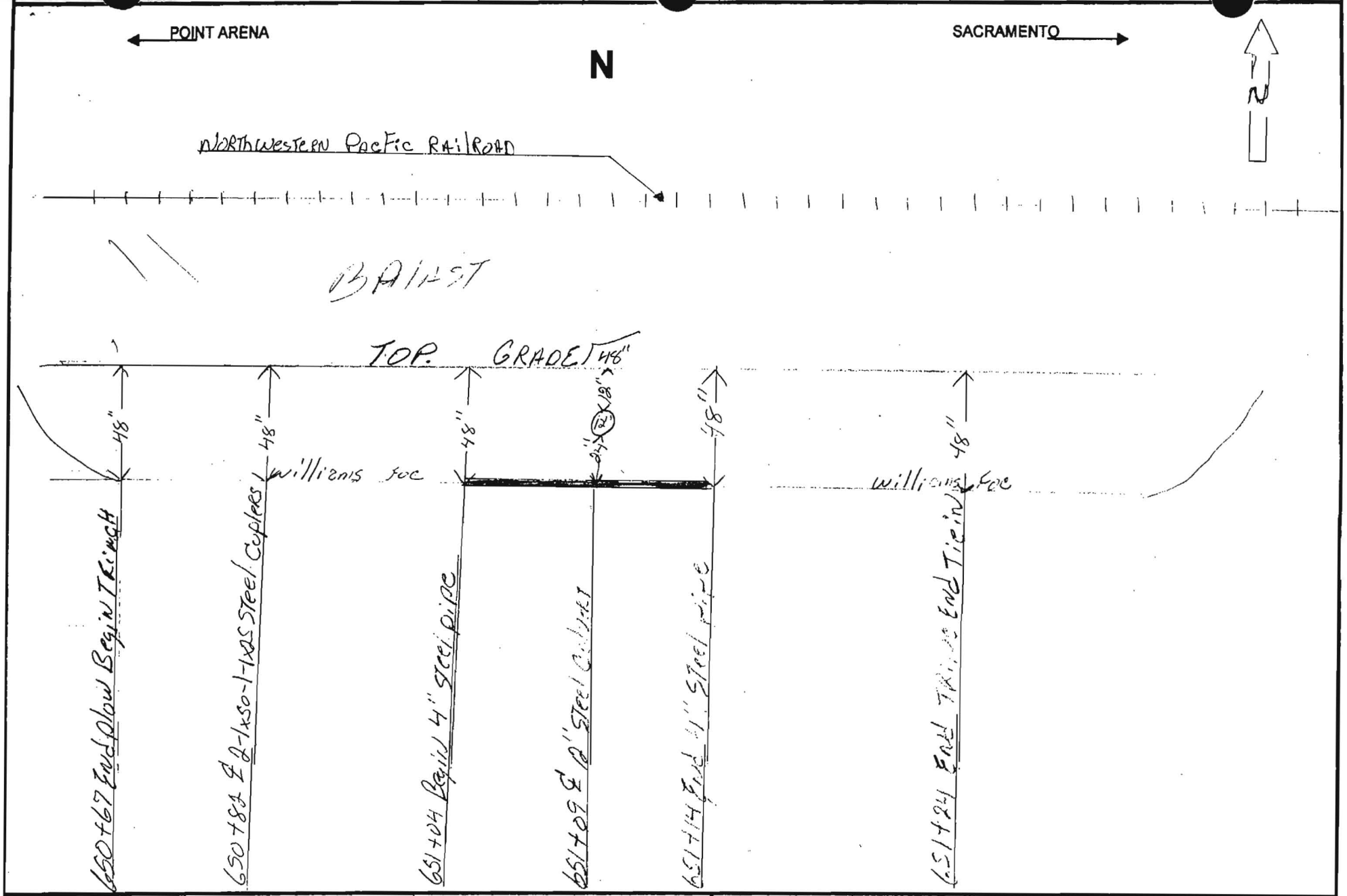
POINT ARENA ← → SACRAMENTO

N



NOTES:	COUNTY:	CONTRACTOR:
INSPECT. TIE-IN OF H.D.P.E. 2-1x50-1-1x35 ORANGE, BLACK, BLUE AND PLACE 10' OF 4" STEEL PIPE UNDER 18" CALV.	SONOMA	Hinkels & McCoy
	DUCT CONFIGURATION: 2-1x50 ORANGE, BLUE 1-1x35 BLACK	INSPECTOR: John Hodgett

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 9-5-00	PROJECT # 9HH54	DWG/ALIGN.SHEET # 056	SPREAD # 3N



NOTES: INSPECT. TIE-IN. AND PLACE 4" STEEL PIPE	COUNTY: SONOMA	CONTRACTOR: Haukels & McCoy
	DUCT CONFIGURATION: 2-1x50 ORANGE BLUE 1-1x25 BLACK	INSPECTOR: John Padgett

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

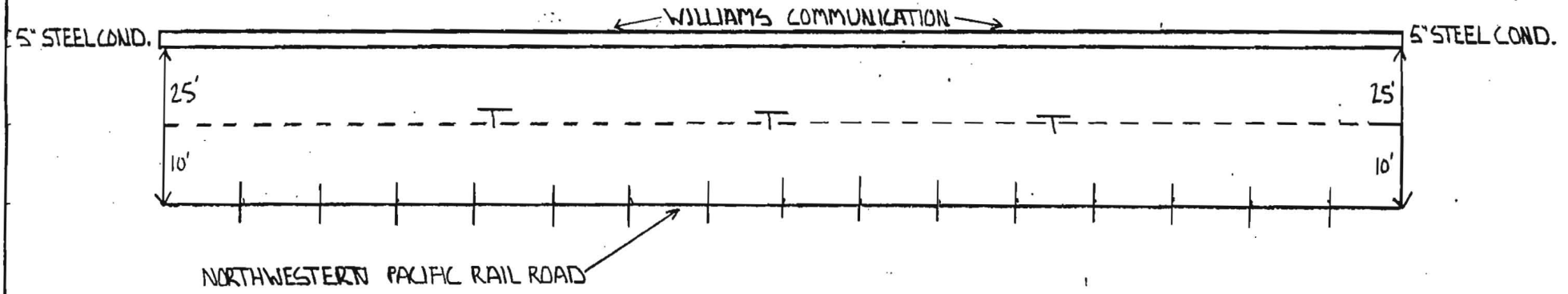
DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	SPREAD #:
10-9-00	4875	56-57	3

BEG BORE 5" STEEL 654+43 35'0/S 48"

BEG 3.22 5" STEEL 654+48 35'0/S 61"
END 1.41

END 3.22 5" STEEL 654+58 35'0/S 63"
BEG 1.41

END BORE 5" STEEL 654+63 35'0/S 48"



NOTES: 2-1.5" HDPE ORANGE BLUE 1-1.25" HDPE BLACK
BORE - INSTALL 5" STEEL CONDUIT UNDER PAVED ROAD.

COUNTY: SONOMA

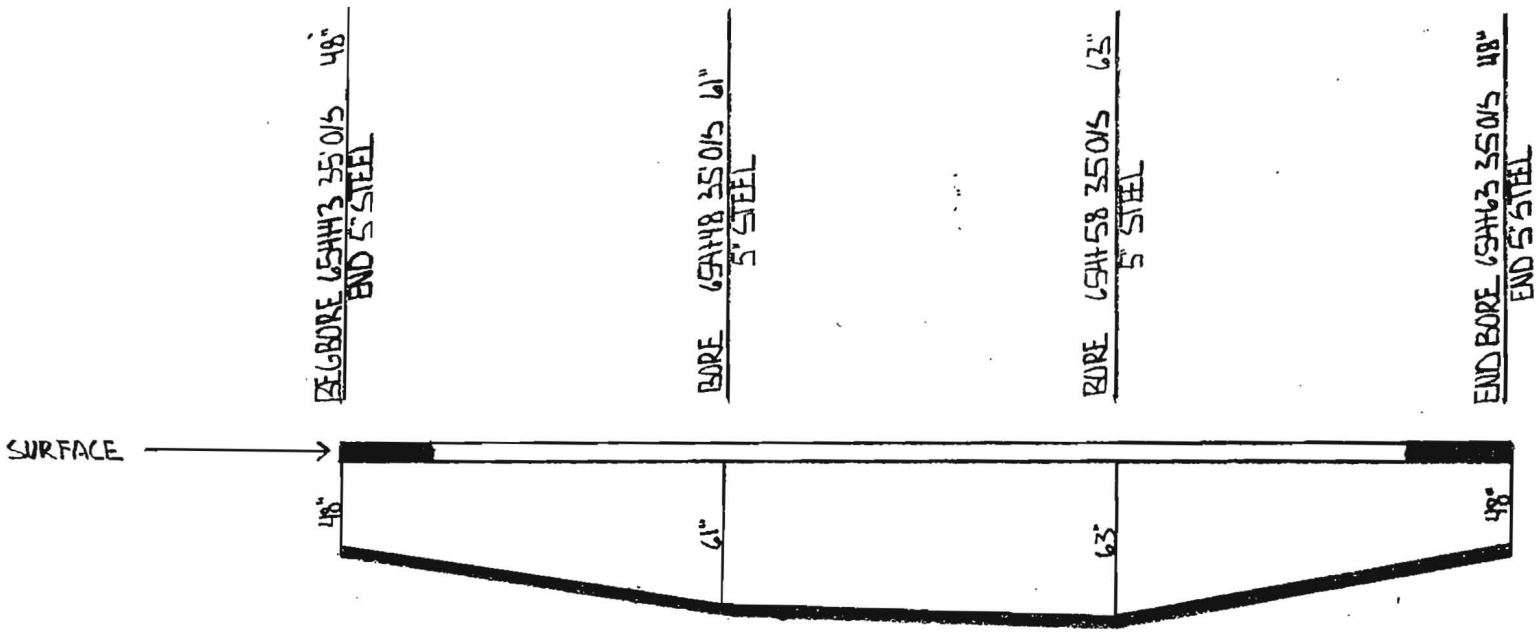
DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: KENNY STRICKLAND

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	SPREAD #:
10.9.00	4875	56-57	3



NOTES: 2-1.5" HDPE ORANGE-BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: KENNY STRICKLAND

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
653+16	35'	48"		START TRENCH
654+43	35'	48"		END TRENCH
654+63	35'	48"		START TRENCH
654+73	35'	48"		# OF Couplings
654+83	35'	48"		END TRENCH

DATE: 10-19-00
COUNTY: SONOMA
ALIGN. SHT. #

CONTRACTOR: HINKELS & MCCOY
INSPECTOR: KENNY STRICKLAND
PROJECT: 99D1541-14

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

654+53 CL OF ROAD [3824+84.5 NCRRA]
654+64 FIBER MARKER 8' LT [3824+73.4, 43' & 40' RT NCRRA]
654+67 FIBER MARKER 5' LT [3824+70.4, 11' RT NCRRA]
654+83 FIBER MARKER 24' RT [3824+54.4 NCRRA]
END STEEL PIPE
656+26 FIBER MARKER 16' RT [3823+11.0, 19' RT NCRRA]
657+10 RR MILE MARKER 74 [3822+26.7 NCRRA]
657+57 BEGIN STEEL PIPE [3821+79.5 NCRRA]
657+63 CL OF ROAD [3821+73.4 NCRRA]
657+69 END STEEL PIPE [3821+67.4 NCRRA]
658+99 FIBER MARKER 24' RT [3820+38.8, 9' RT NCRRA]
659+30 BEGIN STEEL PIPE [3820+05.6 NCRRA]
659+40 CL OF ROAD [3819+95.6 NCRRA]
659+50 END STEEL PIPE [3819+85.5 NCRRA]
659+59 FIBER MARKER 23' RT [3819+76.5, 12' RT NCRRA]
659+60 FIBER MARKER 24' RT [3819+75.5, 11' RT NCRRA]
671+10 MILEPOST 37 [3811+75 NCRRA] TOAST 37 DIST
674+00 MILEPOST MARKER POLE 33 DIST

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 29, T10N AND R9W
MDB&M

SACRAMENTO

D-GEYSERVILLE-3

PROPOSED WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

PAC BELL

RR MP 74

35'DIS 48"

26'DIS 48"

MATCH LINE SHT. 056 654+51

MATCH LINE SHT. 058 666+52

40'-0" 35'-0" 35'-0" 40'-0"

R/W PL T W EG CL ROAD

654+00 655+00 656+00 657+00 658+00 659+00 660+00 661+00 662+00 663+00 664+00 665+00 666+00

N

654+51 ENDS STEEL 666+52

35'DIS	28'DIS	28'DIS	28'DIS	HAND DIG MINIMUM DEPTH 42"	TRENCH MINIMUM DEPTH		35'DIS	35'DIS				
48"	105"	210"	28'DIS 211"	28'DIS 196"	28'DIS 218" 28'DIS 211"	28'DIS 214"	28'DIS 190"	FIBER TRENCH	TRENCH	48"	48"	
EXIST PLOW/FIBER ROPE	EXIST PLOW/FIBER ROPE	FIBER DRAINAGE	EXIST DRAINAGE	EXIST DIRT BED EXIST DIRT BED			EXIST ROPE	EXIST PLOW/EXIST TRENCH				
L57403	L57417	L57480 L57498	L57486 L57470	L57466	L57416	L57466	L60490	L62490		L64490		

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

1201' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

12' - STEEL PIPE — 20' - STEEL PIPE

654+51	L57+17		L59+66	L60+90
657+17	659+66		L60+90	L66+52
266'	249'		124'	562'
PLOW 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 9.5.00 HDM.	SLICK BORE 2-1.5" HDPE 1-1.25" HDPE JMCKDY 11.7.00 HDM		TRENCH 2-1.5" HDPE 1-1.25" HDPE JMCKDY 1.9.01 HDM.	PLOW 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 9.6.00 HDM.

IN BLACK 1.25" HDPE 6.12 PD BY JR SMITS 5.16-01

REV-1

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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : ALI	DATE : 06/02/00
CHECKED BY : KDB	DATE : 06/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-057-SPRD 4

illiams. CONSTRUCTION AS-BUILT DOCUMENTATION

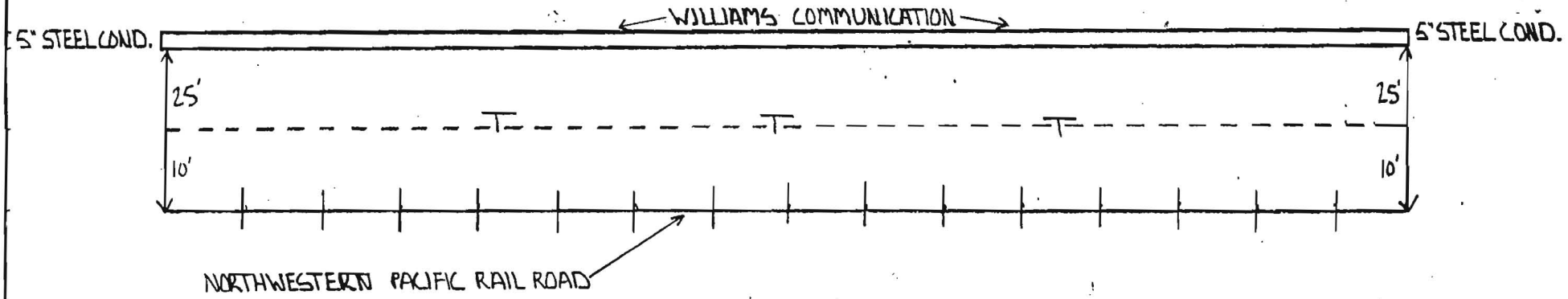
DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	JOB:
10-9-00	4875	56-57	3

BEG BORE 5" STEEL 654+43 35'0/5 48"

BEG 3.22 5" STEEL 654+48 35'0/5 41"
END 1.41

END 3.22 5" STEEL 654+58 35'0/5 63"
BEG 1.41

END BORE 5" STEEL 654+63 35'0/5 48"



NOTES: 2-1.5" HDPE ORANGE BLUE 1-1.25" HDPE BLACK
BORE - INSTALL 5" STEEL CONDUIT UNDER PAVED ROAD.

COUNTY: SONOMA

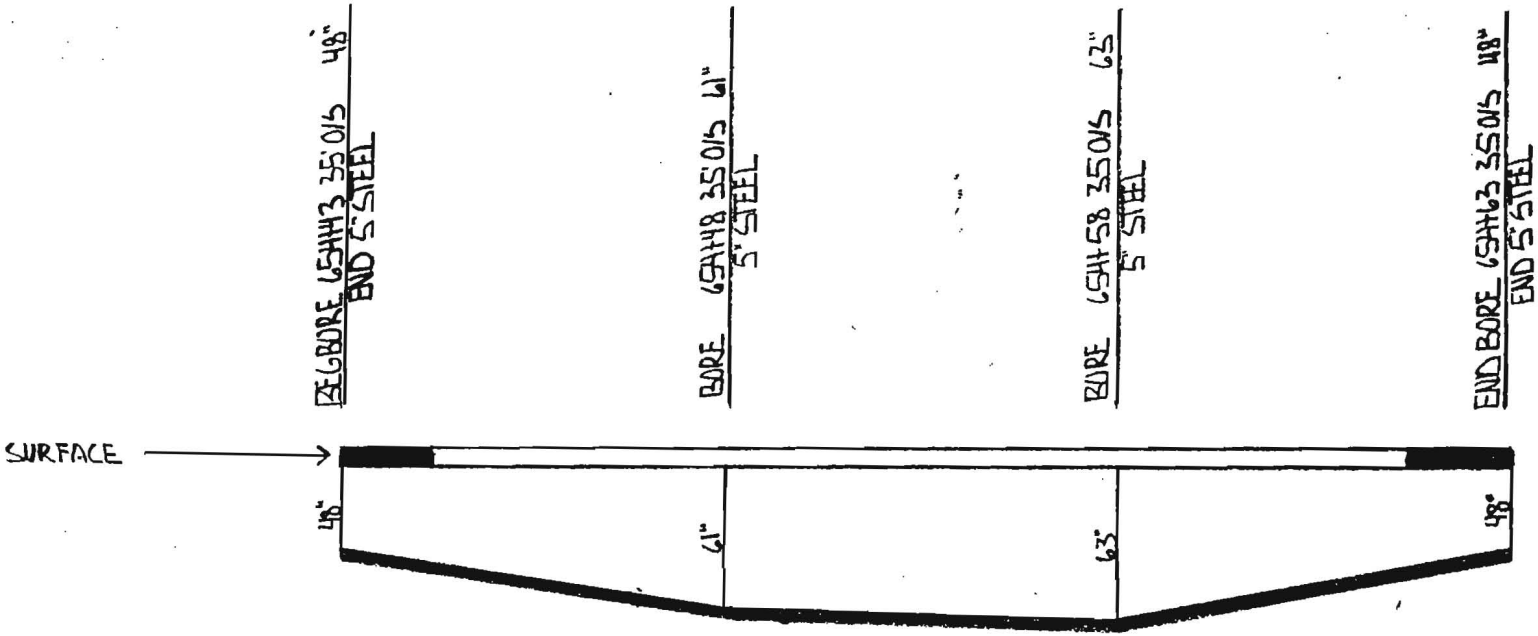
DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: KENNY STRICKLAND

illiams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	[illegible] #:
10.9.00	4875	56-57	3



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

COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: KENNY STRICKLAND

DAILY TRENCHING: WILLIAMS FIBER ROUTE

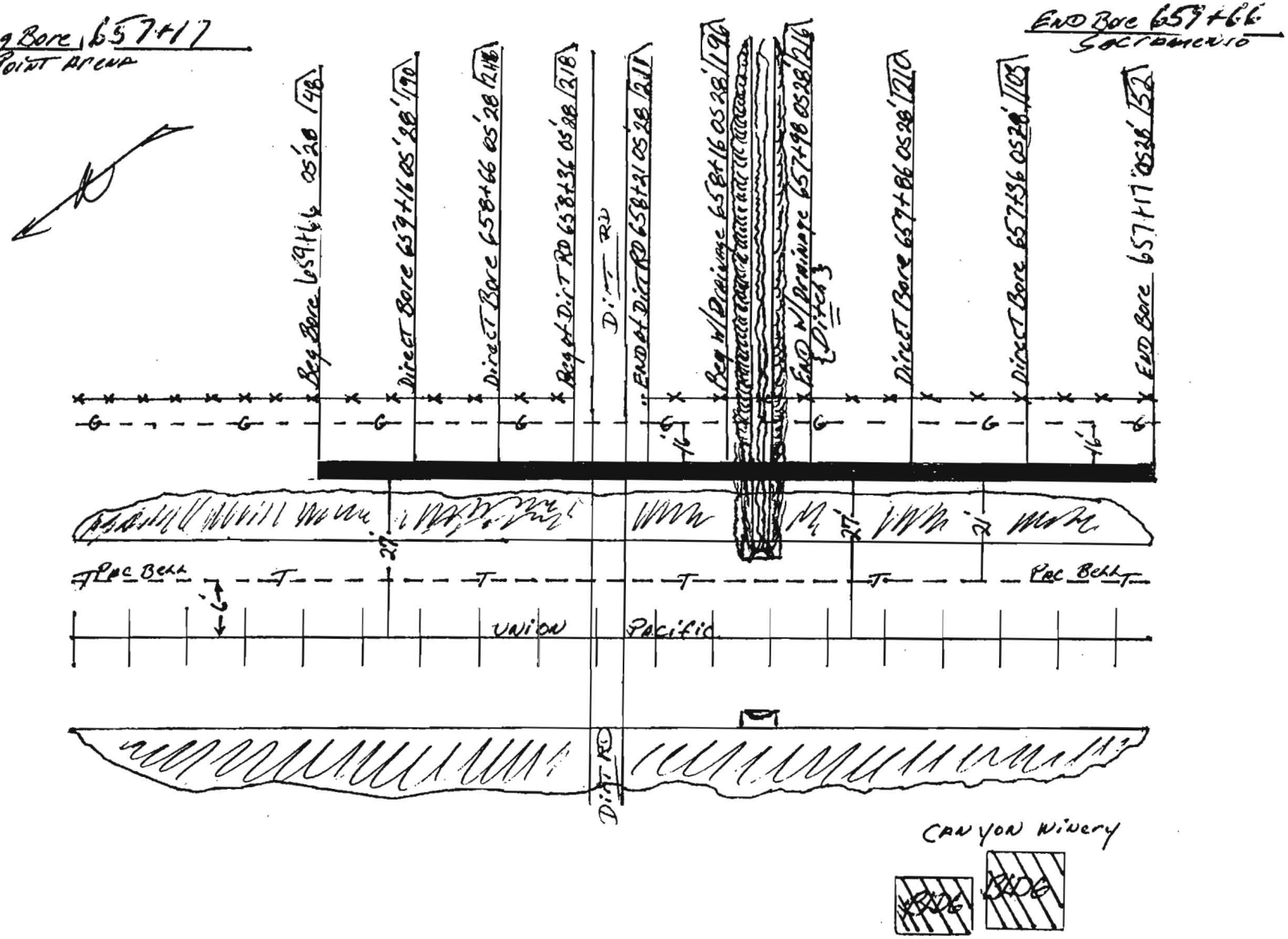
DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
653+16	35'	48"		START TRENCH
654+43	35'	48"		END TRENCH
654+63	35'	48"		START TRENCH
654+73	35'	48"		@ OF Couplings
654+83	35'	48"		END Trench

DATE: 10-19-00	CONTRACTOR: Hinkels & McCoy
COUNTY: SONOMA	INSPECTOR: KENNY STRICKLAND
ALIGN. SHT. #	PROJECT: 99P1541-14

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

DATE	PROJECT #	DWG/ALIGNMENT SHEET #	#3
11-7-00	4875	03.7	



NOTES: Direct Bore As built
D-Geyerville-3 D.E.G. Drainage

COUNTY: Sonoma

CONTRACTOR: Henkels & McCoy

DUCT CONFIGURTION: 3-Conduits 2½-1¼

INSPECTOR: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	SHEET #:
11-7-00	4875	057	3

659+66 28'0/5 48"
BEG BORE

659+16 28'0/5 190"
BORE

658+66 28'0/5 246"
BORE

658+36 28'0/5 218"
BEG DIRT ROAD

658+21 28'0/5 211"
BORE

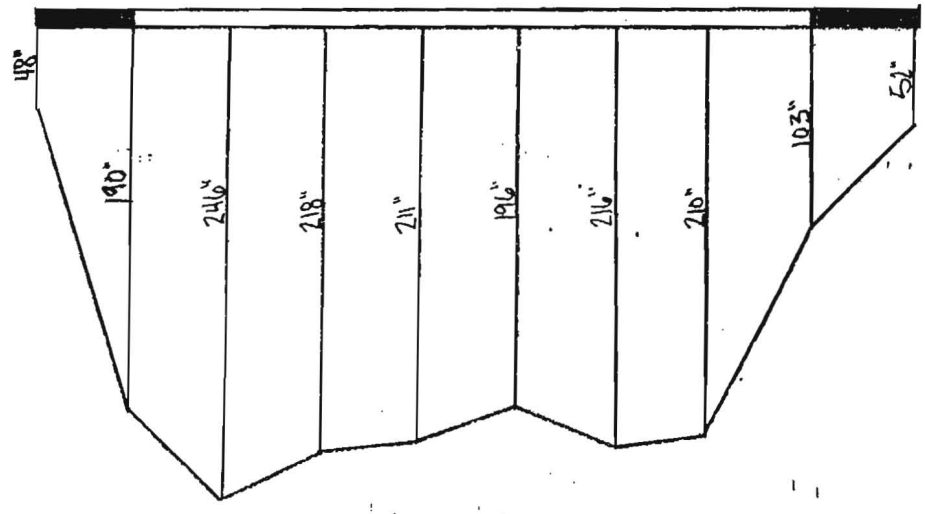
658+16 28'0/5 196"
BORE - BEG DRAINAGE

657+98 28'0/5 216"
BORE - END DRAINAGE

657+86 28'0/5 210"
BORE

657+36 28'0/5 103"
BORE

657+17 28'0/5 52"
END BORE



NOTES: 2-1.5" HDPE ORANGE BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: JEFF MCKOY

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow sheet	3-North

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 9-6-00

DWG.:# LOCATION: 3 North NWPRR

STATION:	OFFSET:	DEPTH:	NOTES:
660+90	35'0/s	48"	Start Plow
662+90	35'0/s	48"	
664+90	35'0/s	48"	
666+90	35'0/s	48"	
667+30	35'0/s	48"	End Plow
669+88	18'0/s	48"	Start Plow
671+88	18'0/s	48"	
673+88	18'0/s	48"	
675+66	18'0/s	48"	End Plow
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	
[redacted]	[redacted]	[redacted]	[redacted]

current as of: 12/7/98

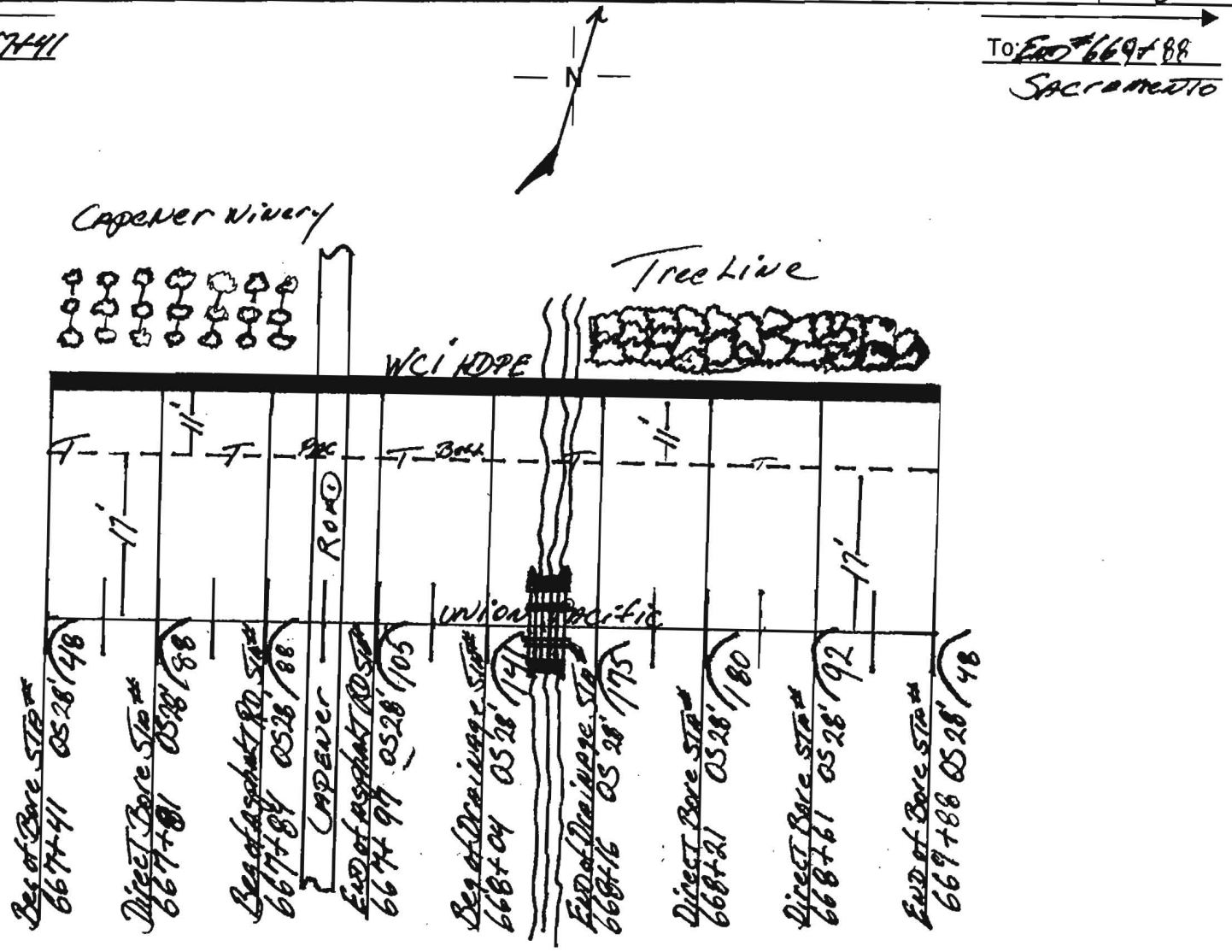
Williams Construction As-Built Documentation

Spread Location: [illegible] Around To SAC
Spread No. R3
AFE No. 4873
Contract No. 9991541-14

Date: 11-29-0[illegible]
Page No. 1 [illegible]
Drawing #: 058

From: Beg # 667+41 Point Arena

To: End # 669+88 Sacramento



Notes: Direct Bore (Slick) As built Footage 153' D-Geyserville-2	County: Sonoma	Contractor: Henkels & McCoy
	Duct Configuration: 2-1½-1-1¼	Inspector: Jeff D McKay

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	SPREAD #:
11.29.00	4875	058	3

BEG BORE 467491 28'0/5 48"

BORE 467481 28'0/5 88"

BORE 467484 28'0/5 88"
BEG CAPENER RD.

BORE 467497 28'0/5 105"
END CAPENER RD.

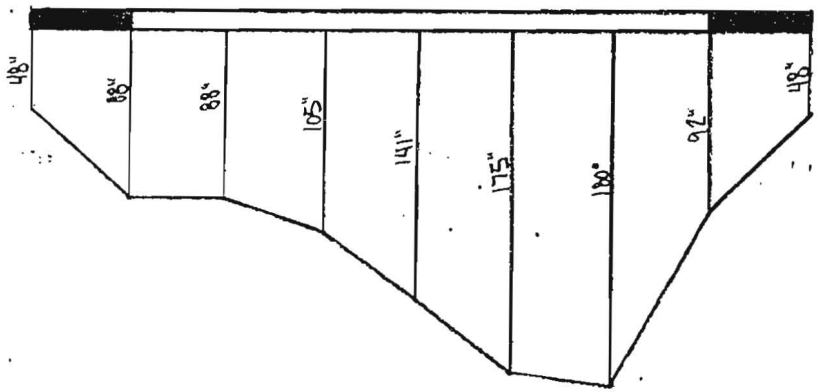
BORE 468104 28'0/5 141"
BEG DRAINAGE

BORE 468196 28'0/5 175"
END DRAINAGE

BORE 468121 28'0/5 180"

BORE 468161 28'0/5 92"

END BORE 467488 28'0/5 48"



NOTES: 2-1.5" HDPE ORANGE-BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: JEFF MCKOY

Inspector Daily Report

Page 1 of 1

Williams COMMUNICATIONS

Name: KENNY STALKLAND

Spread/Site Number: 3-4875 Day: Mo Tu (We) Th Fr Sa Su Date: 9-6-00 Contract No: 99P1541.14

Hours Worked: 10 Weather: SUNNY Temp: 97 Contractor: HIM

Contractor Equipment on Site (Quality & Type): 1 PLOW - 2 BACKHOES - 1 PULL TRACTOR - 4 PICKUPS - 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 -	X		1.11	57	659+66	660+90	124'
2	INSTALL HDPE-PLOW	X		1.11	57-58	660+90	667+30	640'
3	INSTALL HDPE-TRENCH	X		1.11	58	667+30	667+41	11'
4	INSTALL HDPE-BORE	X		1.11	58	667+41	669+88	247'
5	INSTALL HDPE-SLICKBORE	X		3.21	58	667+41	669+88	247'
6	INSTALL HDPE - PLOW	X		1.11	58	669+88	675+66	578'
					SALR-58	MATCHLINE 666+52		

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: SLICK BORE-D-GEYSERVILLE - 2

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

Form 24-ADM-1005 REV. 10/98

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

667+58 R/L CHANGE [3811+73.5 NCRRA]
667+74 BEGIN STEEL PIPE R/L CHANGE [3811+57.4 NCRRA]
667+76 NCRRA R/W CHANGE [3811+55.4 NCRRA]
667+78 ROAD SIGN 14' RT [3811+53.4, 11' RT NCRRA]
667+88 CL OF ROAD [3811+43.4 NCRRA]
667+87 ROAD SIGN 42' RT [3811+44.4, 17' LT NCRRA]
667+98 P/L MARKER 16' LT [3811+33.3, 42' LT NCRRA]
668+14 END STEEL PIPE [3811+17.2 NCRRA]
L67463 MARKER POLE 37'DIS
L68418 MARKER POLE 37'DIS

L75121 MARKER POLE 28'DIS
675+26 ROAD SIGN 11' RT [3804+01.7, 14' RT NCRRA]
675+32 BEGIN STEEL PIPE EDGE OF PAVEMENT [3803+95.7 NCRRA]
675+52 CL OF ROAD [3803+75.6 NCRRA]
675+72 END STEEL PIPE EDGE OF PAVEMENT [3803+55.5 NCRRA]
675+77 ROAD SIGN 37' RT [3803+50.5, 12' LT NCRRA]
L75468 SPRUCE 70'DIS 40"
L75496 MARKER POLE 28'DIS
L75496 SPIKE ALL

RAILROAD STATIONING

SONOMA COUNTY
CALIFORNIA
SEC 29, T10N AND R9W
MDB&M

POINT ARENA
SACRAMENTO
D-GEYSERVILLE-2
PROPOSED WILLIAMS FIBER ROUTE
NORTH COAST RAILROAD ASSOCIATION MAINLINE
PAC BELL
CL CLOS DU BOIS WINERY ROAD
HEADWALL
CL KAN WINERY PRIVATE DRIVEWAY
DIRECTIONAL DRILL 60" MINIMUM DEPTH
MATCH LINE SHT. 057 666+52
MATCH LINE SHT. 059 678+55
N

| | | |

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow sheet

SPREAD: 3-North

CONTRACTOR: Hinkels & McCoy INSPECTOR: Kenny Strickland DATE: 9-6-00

DWG.:# LOCATION: 3 North NWPRR

STATION:	OFFSET:	DEPTH:	NOTES:
660+90	35'0/s	48"	Start Plow
662+90	35'0/s	48"	
664+90	35'0/s	48"	
666+90	35'0/s	48"	
667+30	35'0/s	48"	End Plow
669+88	18'0/s	48"	Start Plow
671+88	18'0/s	48"	
673+88	18'0/s	48"	
675+66	18'0/s	48"	End Plow
[redacted]			

current as of:12/7/98

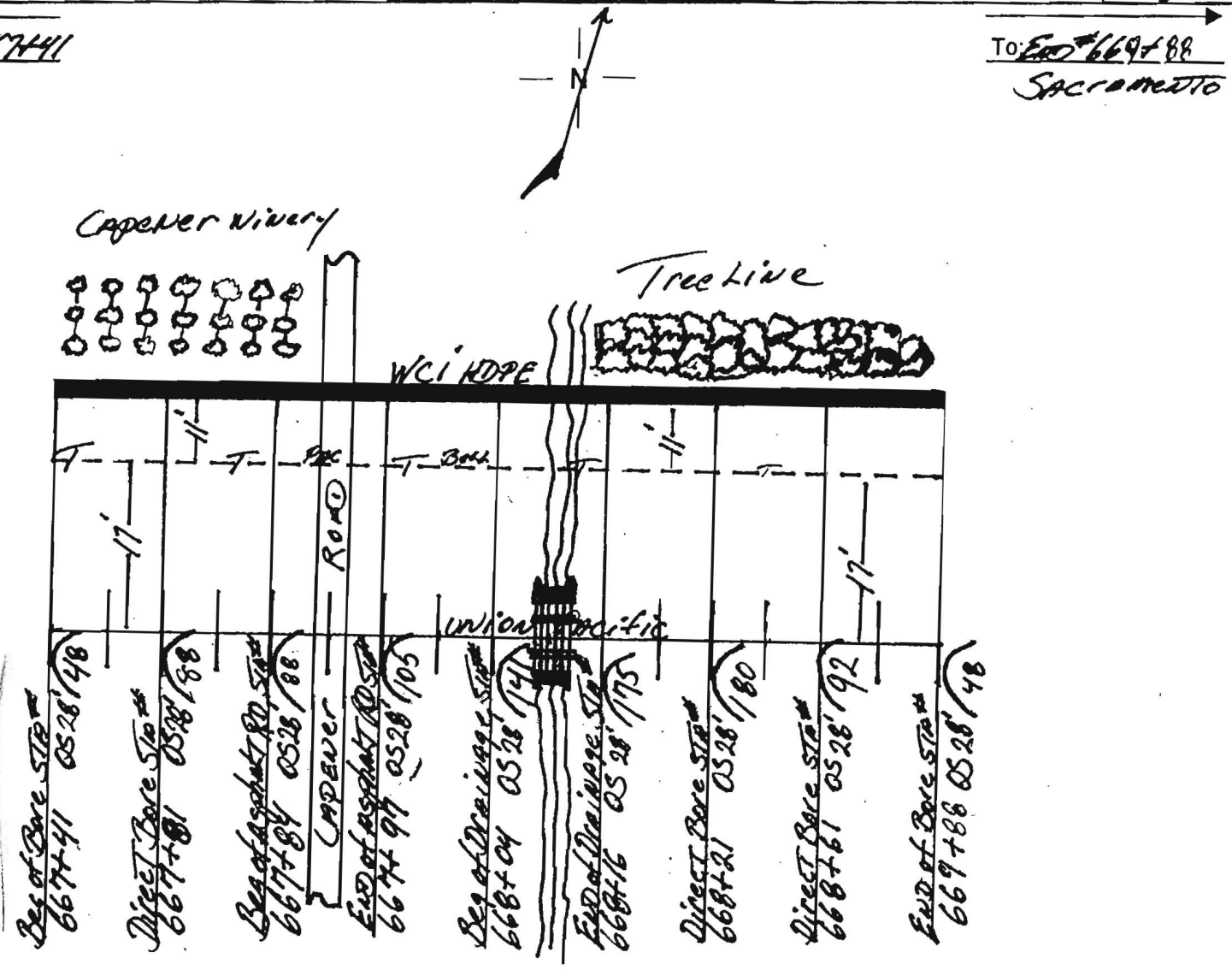
Williams Construction As-Built Documentation

Spread Location: [redacted] to Sac
Spread No. 43
AFE No. 4843
Contract No. 99P1541-14

Date 11-21-0
Page No. 1 of
Drawing #: 058

From: Beg #667+41 Point Arena

To: End #669+88 Sacramento


N
Capeven Winery
Tree Line
WCI HDPE
Union Pacific
Beg of Bore Sta # 667+41 OS 28' 148
Direct Bore Sta # 667+81 OS 28' 188
Beg of Asphalt RD Sta # 667+84 OS 28' 188
End of Asphalt RD Sta # 667+97 OS 28' 105
Beg of Drainage Sta # 668+04 OS 28' 141
End of Drainage Sta # 668+16 OS 28' 175
Direct Bore Sta # 668+21 OS 28' 180
Direct Bore Sta # 668+61 OS 28' 192
End of Bore Sta # 669+88 OS 28' 48
11'
17'
12'
Fence
Road
Ball
T
T
T

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	D #:
11.29.00	4875	058	3

BEG BORE 667+11 28'0/S 48"

BORE 667+81 28'0/S 88"

BORE 667+84 28'0/S 88"
BEG CAPENER RD.

BORE 667+97 28'0/S 105"
END CAPENER RD.

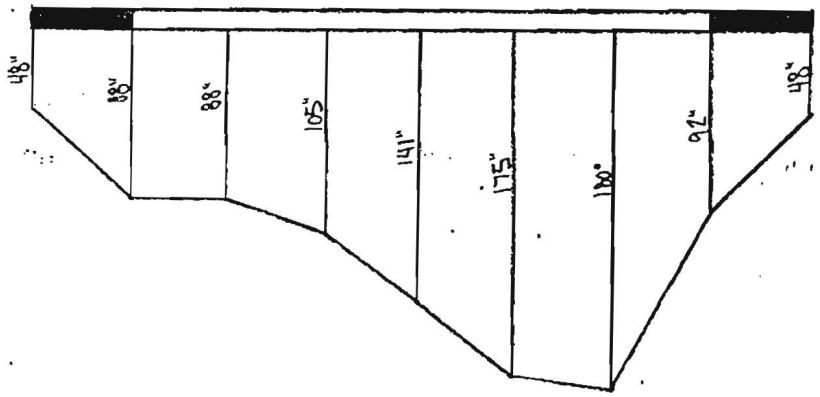
BORE 668+04 28'0/S 141"
BEG DRAINAGE

BORE 668+16 28'0/S 175"
END DRAINAGE

BORE 668+21 28'0/S 180"

BORE 668+61 28'0/S 92"

END BORE 669+88 28'0/S 48"



NOTES: 2-1.5" HDPE ORANGE-BLUE 1-1.25" HDPE BLACK

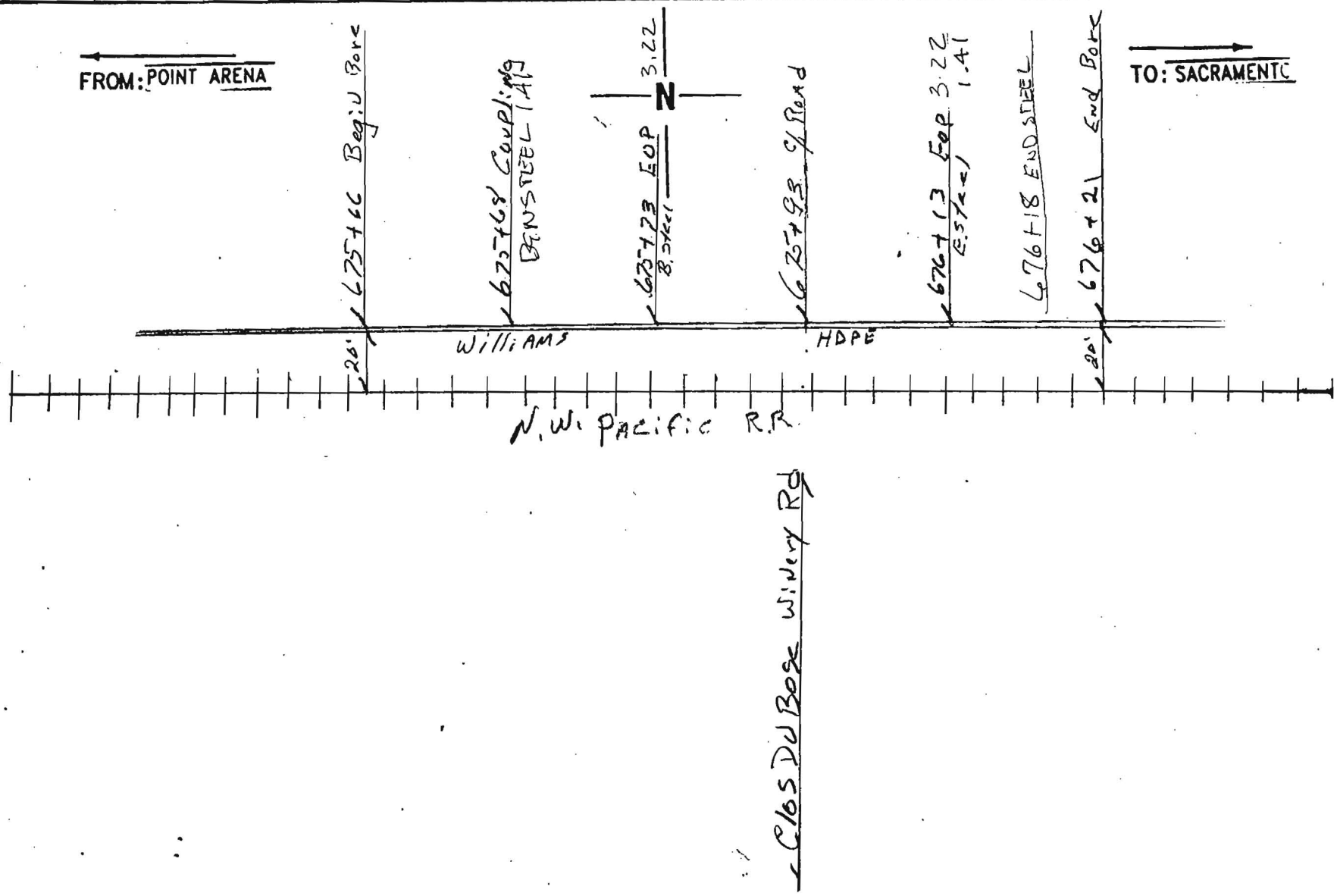
COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: JEFF MCKOY

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	9-18-00	999-1541-14	058	1



NOTES: Bored Clos Debose Winery Rd. Installed 53'5" Steel Pipe - 3 HDPE	COUNTY: SANOMA	CONTRACTOR: Henkels McCoy
	DUCT CONFIGURATION: 1-1½ ORANGE 1-1½ BLUE 1-1¼ BLACK	INSPECTOR: JR. Padgett

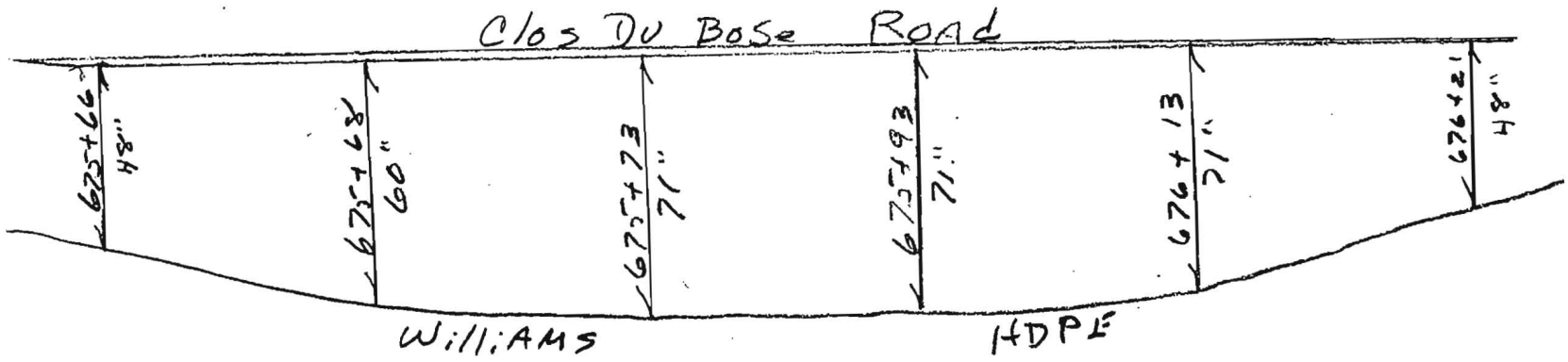
Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #	DWG / ALIGNMENT SHEET	LEAD #
9-28-00	99P-1541-14		3A

FROM: Point Arena

TO: Sacramento



NOTES: Installed 3 HDPE and 5" steel pipe

COUNTY: Sonoma

DUCT CONFIGURATION: 1-1½ Orange 1-1½ Blue 1-1¼ Black

CONTRACTOR: Henkels & McCoy

INSPECTOR: JR. Padgett

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Bored Close Du Bose Road

SPREAD: 3A

CONTRACTOR: Herrick-McCoy INSPECTOR: J.R. Padgett DATE: 9-28-00

DWG.:# 058 LOCATION: N.W. Pacific RR

STATION:	OFFSET:	DEPTH:	NOTES:
675+66	20'	48"	Begin Bore
675+68	20'	60	Splice
675+73	20'	71	Edge of Pavement
675+93	20'	71	C/L Close Du Bose Winery Rd.
676+18	20	71	Edge of Pavement
676+21	20	48	End Bore

current as of: 12/7/98

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Trench And Place H.D.P.E. & 4" Steel Conduit	3. North

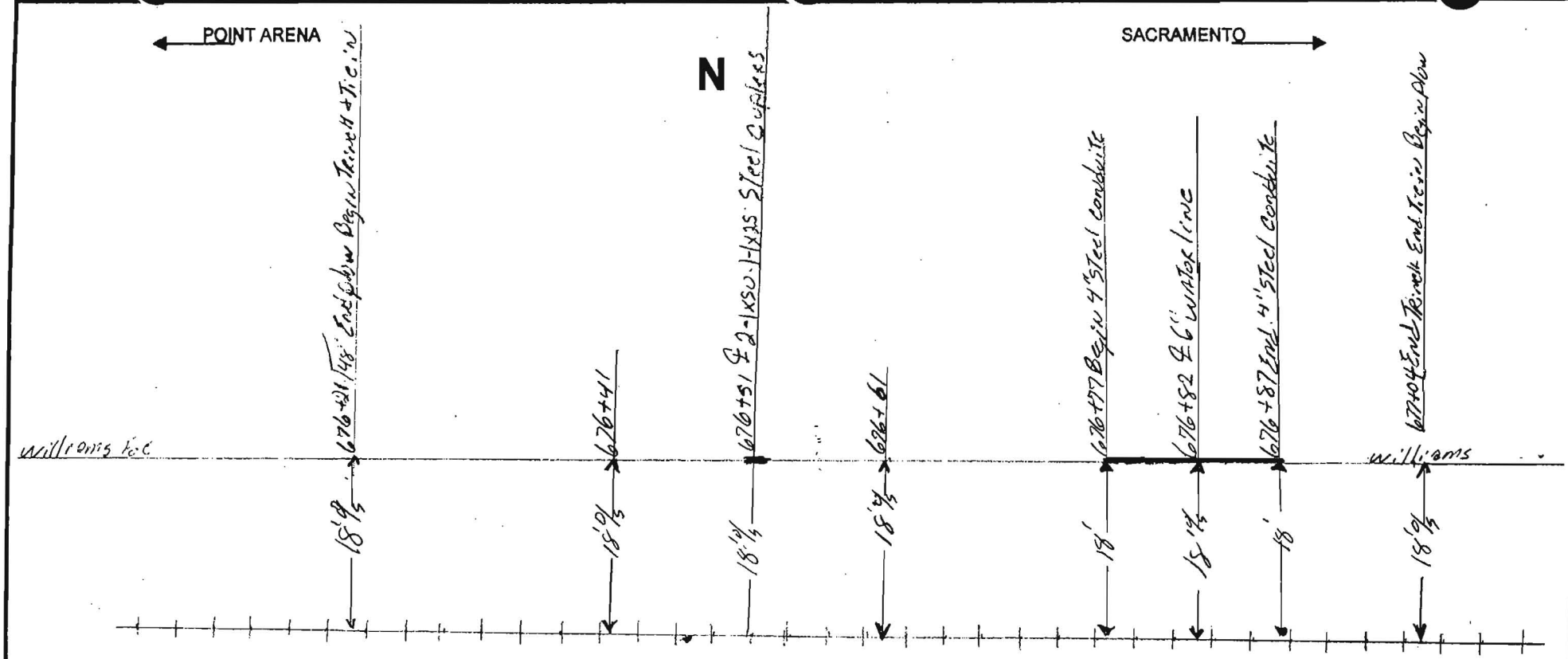
CONTRACTOR: Henkels McCoy INSPECTOR: John Padgett DATE: 9-6-00

DWG.#: 058' LOCATION: R.R.

STATION:	OFFSET:	DEPTH:	NOTES:
676+21	18'	48"	End plow Begin Trench. Begin Tie-in
676+31	18'	48"	
676+41	18'	48"	
676+51	18'	48"	& 2-1x50-1-1x25 Steel Cuplers
676+61	18'	48"	
676+72	18'	48"	Begin 4" Steel Conduit
676+82	18'	48"	& 1" Water line
676+87	18'	48"	End 4" Steel Conduit
676+97	18'	48"	
677+04	18'	48"	End Trench. End Tie-in. Begin plow

current as of: 12/7/98

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 9-6-00	PROJECT # 99P134	DWG/ALIGN SHEET # 058	SPREAD # 3, North

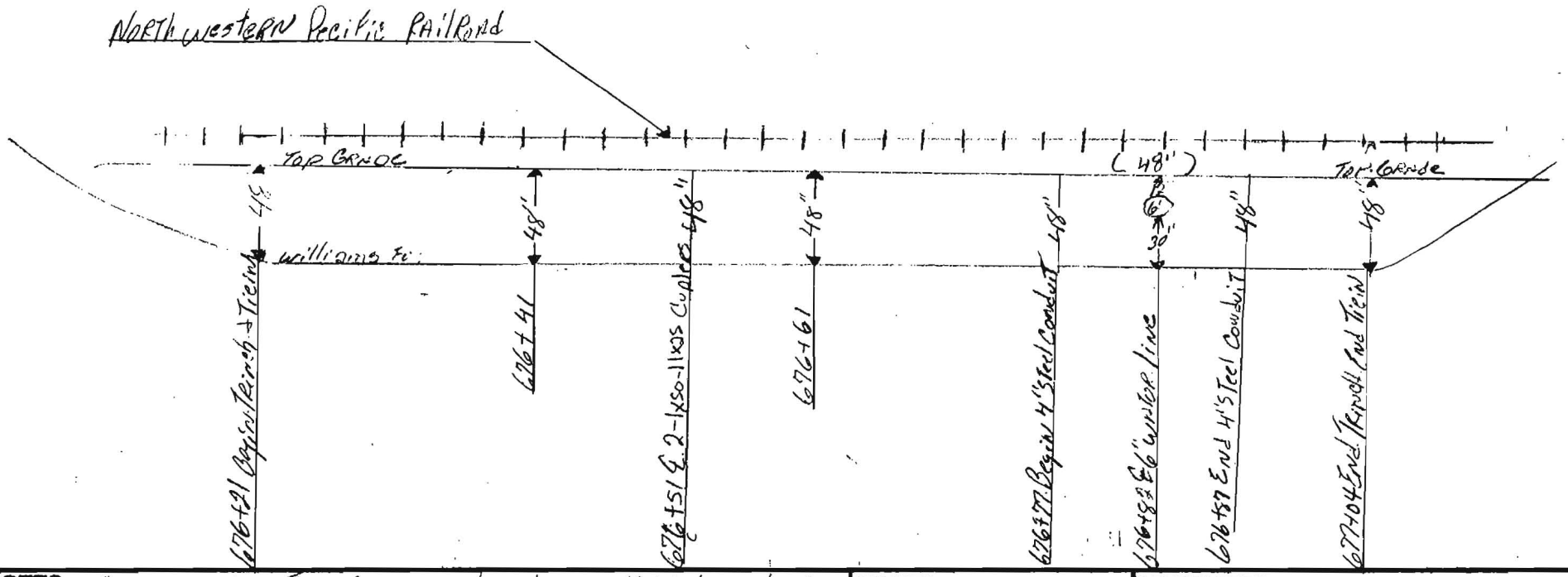


NOTES: Inspect Tie-in and place 4" Steel Conduit under 6" Water line	COUNTY: Sonoma	CONTRACTOR: Henkels & McCoy
	DUCT CONFIGURATION: 2-1x50 H.D.P.E 1-1x25	INSPECTOR: John Padgett

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 9-6-00	PROJECT # 99P154	DWG/ALIGN.SHEET # 058	SPREAD # 3-North

POINT ARENA ← → SACRAMENTO

N



NOTES: INSPECT TIE IN + PLACE 11" Steel Conduits	COUNTY: Sonoma	CONTRACTOR: [illegible]
	DUCT CONFIGURATION: [illegible]	INSPECTOR: [illegible]

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Trinch. & Place H.D.P.E. & 4" Steel Conduite

SPREAD: 3-North

CONTRACTOR: Henkel's & McCoy INSPECTOR: John Padgett DATE: 9-6-00

DWG.:# 099 LOCATION: R.R.

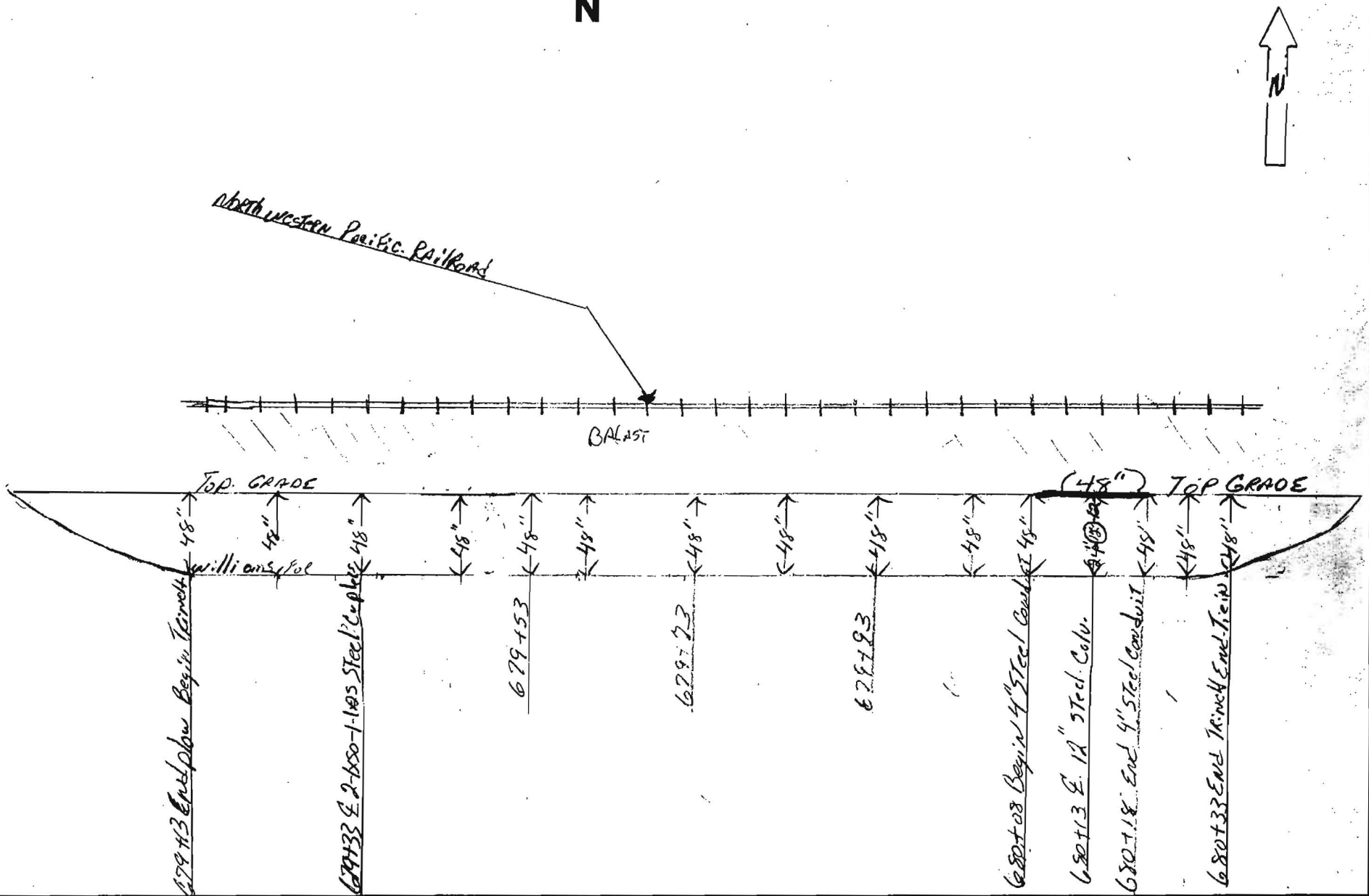
STATION:	OFFSET:	DEPTH:	NOTES:
679+13	25'	48"	End plow Begin Trinch. & Tie in
679+23	25'	48"	
679+33	25'	48"	℄ 2-1x50-1-1x25 Steel Cuplers
679+43	25'	48"	
679+53	25'	48"	
679+63	25'	48"	
679+73	25'	48"	
679+83	25'	48"	
679+93	25'	48"	
680+03	25'	48"	
680+08	25'	48"	Begin 4" Steel conduite
680+13	25'	48"	℄ 12" Steel Calvert
680+18	25'	48"	End 4" Steel Conduite
680+23	25'	48"	
680+33	25'	48"	End Trinch. End Tie in Begin Plow

current as of:12/7/98

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJECT #	DWG/ALIGN.SHEET #	SPREAD #
	9-6-00	99P154	059	3 NORTH

POINT ARENA ← → SACRAMENTO

N



NOTES: Inspect Tie in and place 4" Steel conduit

COUNTY:	CONTRACTOR:
SONOMA	Henkels & McCoy.
DUCT CONFIGURATION: 2-1x50 HD.PE 1-1x25	**INSPECTOR:** John Padgett

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING

SONOMA COUNTY
CALIFORNIA
SEC 32, T10N AND R9W
MDB&M

POINT ARENA

SACRAMENTO

D-GEYSERVILLE-1

PROPOSED WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

CULVERT

PAC BELL

CL TRENTADUE WINERY ROAD

CL ASPHALT DRIVEWAY

CL TRENTADUE VINYARD ROAD

CL GRAVEL ROAD

EP

EG

R/W

PL

T

MATCH LINE SHT. 058 678+55

MATCH LINE SHT. 060 690+55

N

680+02 BEGIN STEEL PIPE
FIBER MARKER 14' RT
[3799+23.4, 11' RT NCRRA]
680+08 CULVERT
[3799+17.3 NCRRA]
680+14 END STEEL PIPE
[3798+99.1 NCRRA]

681+74 FIBER MARKER 7' RT
[3797+50.5, 18' RT NCRRA]

682+42 BEGIN STEEL PIPE
[3796+93.2 NCRRA]
682+52 CULVERT
[3796+72.1 NCRRA]
682+60 END STEEL PIPE
[3796+66.0 NCRRA]

684+28 BEGIN STEEL PIPE
[3794+89.2 NCRRA]
684+34 CULVERT
[3794+89.2 NCRRA]
684+40 END STEEL PIPE
[3794+89.2 NCRRA]

685+44 GAS VALVE 11' LT
[3793+78.7, 36' RT NCRRA]
685+47 FIBER MARKER 2' RT
[3793+75.7, 23' RT NCRRA]
685+50 BEGIN STEEL PIPE
[3793+75.6 NCRRA]
685+67 ROAD SIGN 15' RT
[3793+55.6, 10' RT NCRRA]
685+73 EDGE OF PAVEMENT
[3793+49.5 NCRRA]
685+81 CL OF ROAD
[3793+41.5 NCRRA]
685+85 ROAD SIGN 33' RT
[3793+37.5, 8' LT NCRRA]
685+92 EDGE OF PAVEMENT
[3793+30.4 NCRRA]
686+00 END STEEL PIPE
[3793+23.4 NCRRA]
685+97 FIBER MARKER 8' LT
[3793+25.4, 33' RT NCRRA]
685+98 P/L MARKER 12' LT
[3793+24.4, 37' RT NCRRA]
685+99 POWER POLE 18' LT
[3793+23.4, 43' RT NCRRA]
LEFT 24 MARKER POLE "Z"
LEFT 20 MARKER POLE "Z"
LEFT 17.5 MARKER POLE "Z"
LEFT 14 MARKER POLE "Z"

687+55 BEGIN STEEL PIPE
[3791+47.5 NCRRA]
687+81 CL OF ROAD
[3791+40.5 NCRRA]
688+00 END STEEL PIPE
[3791+26.5 NCRRA]

689+16 P/L MARKER 14' LT
[3790+04.8, 39' RT NCRRA]
689+20 FIBER MARKER 1' RT
[3790+00.8, 24' RT NCRRA]

689+55 FIBER MARKER 5' RT
[3789+65.6, 20' RT NCRRA]

#1 #2 #3 #4

15°01'42" 15°01'47" 15°01'48" 25°01'48" 26°01'42" 26°01'50"

30'-0" 25'-0" 30'-0"

TRENCH 42" MINIMUM DEPTH

DIRECTIONAL DRILL 15'01'42" MINIMUM DEPTH

TRENCH 42" MINIMUM DEPTH

TRENCH 42" MINIMUM DEPTH

| | | |

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

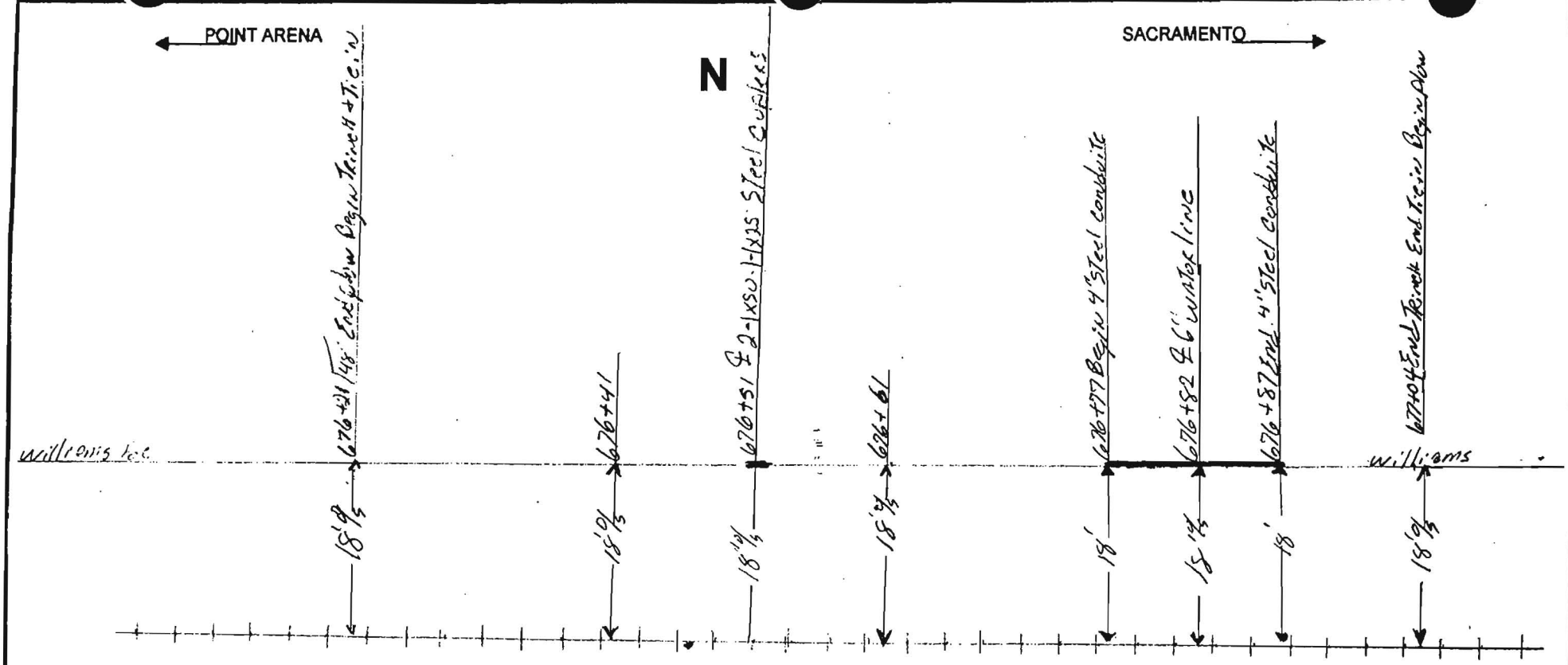
DESCRIPTION:	SPREAD:
Trench And Place H.D.P.E. & 4" Steel Condu.T.	3. North

CONTRACTOR: Henkels McCoy INSPECTOR: John Padgett DATE: 9-6-00

DWG.:# 058' LOCATION: P.R.

STATION:	OFFSET:	DEPTH:	NOTES:
676+21	18'	48"	End plow Begin Trench Begin Tie-in
676+31	15'	48"	
676+41	18'	48"	
676+51	18'	48"	& 2-1x50-1-1x25 Steel Cuplers
676+61	18'	48"	
676+72	15'	48"	Begin 4" Steel Conduits
676+82	18'	48"	& 6" Water line
676+87	15'	48"	End 4" Steel Condu.Ts
676+97	15	48"	
677+04	15	48"	End Trench End Tie-in Begin plow

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 9-6-00	PROJECT # 99P15	DWG/ALIGN SHEET # 058	SPREAD # 3, North

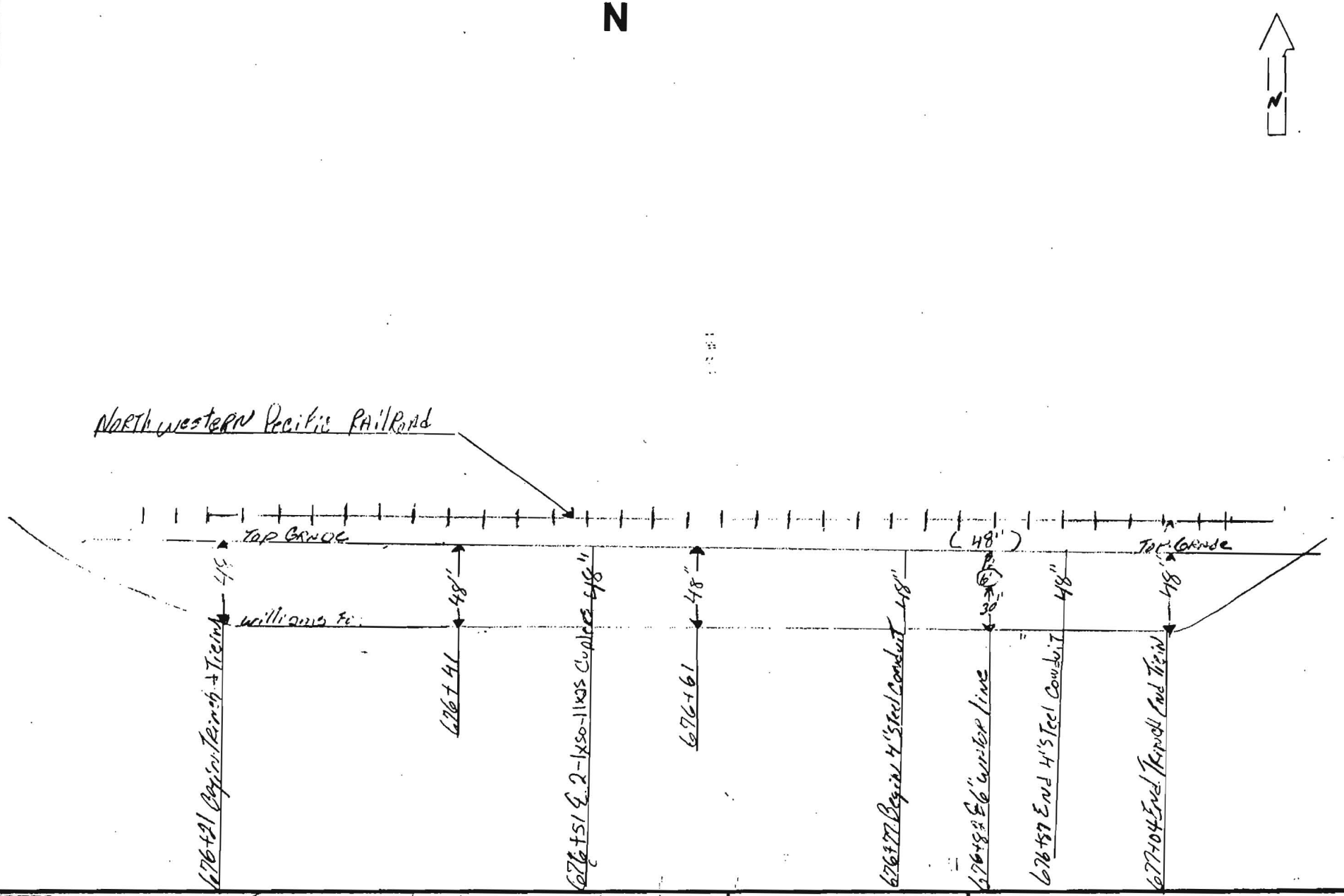


NOTES: Inspect Tie-in and place 4" Steel Conduit under 16" Water line	COUNTY: Sonoma	CONTRACTOR: Henkels & McCoy
	DUCT CONFIGURATION: 2-1x50 M.D.P.E 1-1x25	INSPECTOR: John Padgett

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE	PROJECT #	DWG/ALIGN.SHEET #	SPREAD #
	9-6-00	PA1151	058	3-NORTH

POINT ARENA ← → SACRAMENTO

N



NOTES: TO INSPECT TIE IN & PLACE 4" Steel Conduit	COUNTY:	CONTRACTOR:
	DUCT CONFIGURATION:	INSPECTOR:

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Trench. & Place HDPE & 4" Steel Conduits

SPREAD: 3-North

CONTRACTOR: Henkels & McCoy INSPECTOR: John Padgett DATE: 9-6-00

DWG.:# 099 LOCATION: R.R.

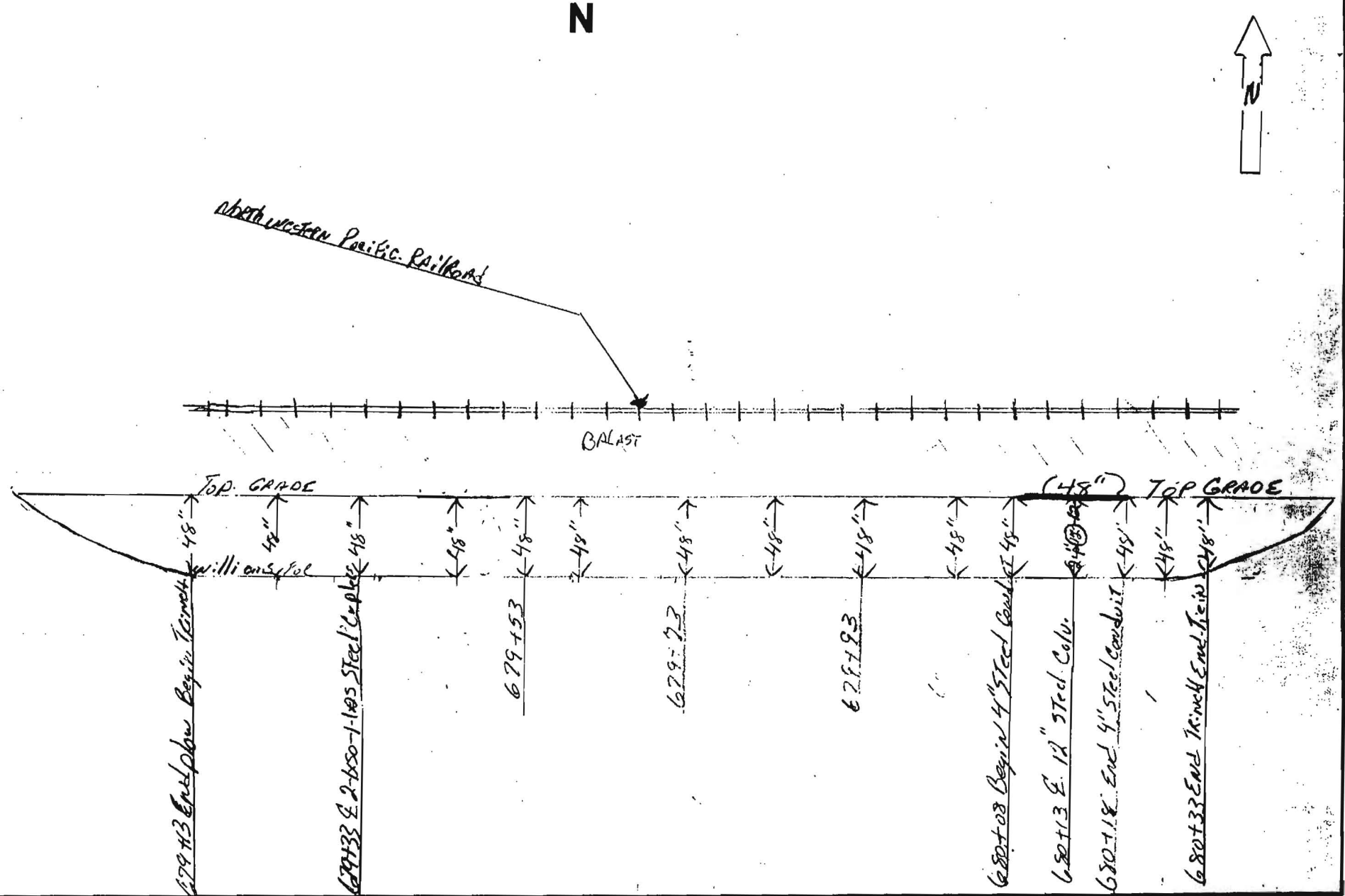
STATION:	OFFSET:	DEPTH:	NOTES:
679+13	25'	48"	End plow Begin Trench & Tie in
679+23	25'	48"	
679+33	25'	48"	@ 2-1x50-1-1x25 Steel Cuplers
679+43	25'	48"	
679+53	25'	48"	
679+63	25'	48"	
679+73	25'	48"	
679+83	25'	48"	
679+93	25'	48"	
680+03	25'	48"	
680+08	25'	48"	Begin 4" Steel conduits
680+13	25'	48"	@ 12" Steel Culvert
680+18	25'	48"	End 4" Steel Conduits
680+23	25'	48"	
680+33	25'	48"	End Trench. End Tie in Begin Plow

current as of: 12/7/98

CONSTRU | AS-BUILT DOCUMENTATION | DATE 9-6-00 | PROJECT # 99P154 | DWG/ALIGN.SHEET # 059 | 3 NORTH

POINT ARENA ← → SACRAMENTO

N



NOTES: INSPECT TIE IN AND PLACE 4' STEEL CONDUIT

COUNTY: SONOMA	CONTRACTOR: Henkels & McCoy.
DUCT CONFIGURATION: 2-1450 HD.PE 1-1405	INSPECTOR: John Padgett

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
680+33	25'	48"		START PLOW
682+33	25'	48"		
684+33	25'	48"		
685+18	25'	48"		END PLOW
685+18	25'			START TRENCH
685+66	25'			
686+21	15'			
686+61	15'			END TRENCH

Williams

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Bore

SPREAD: 3N

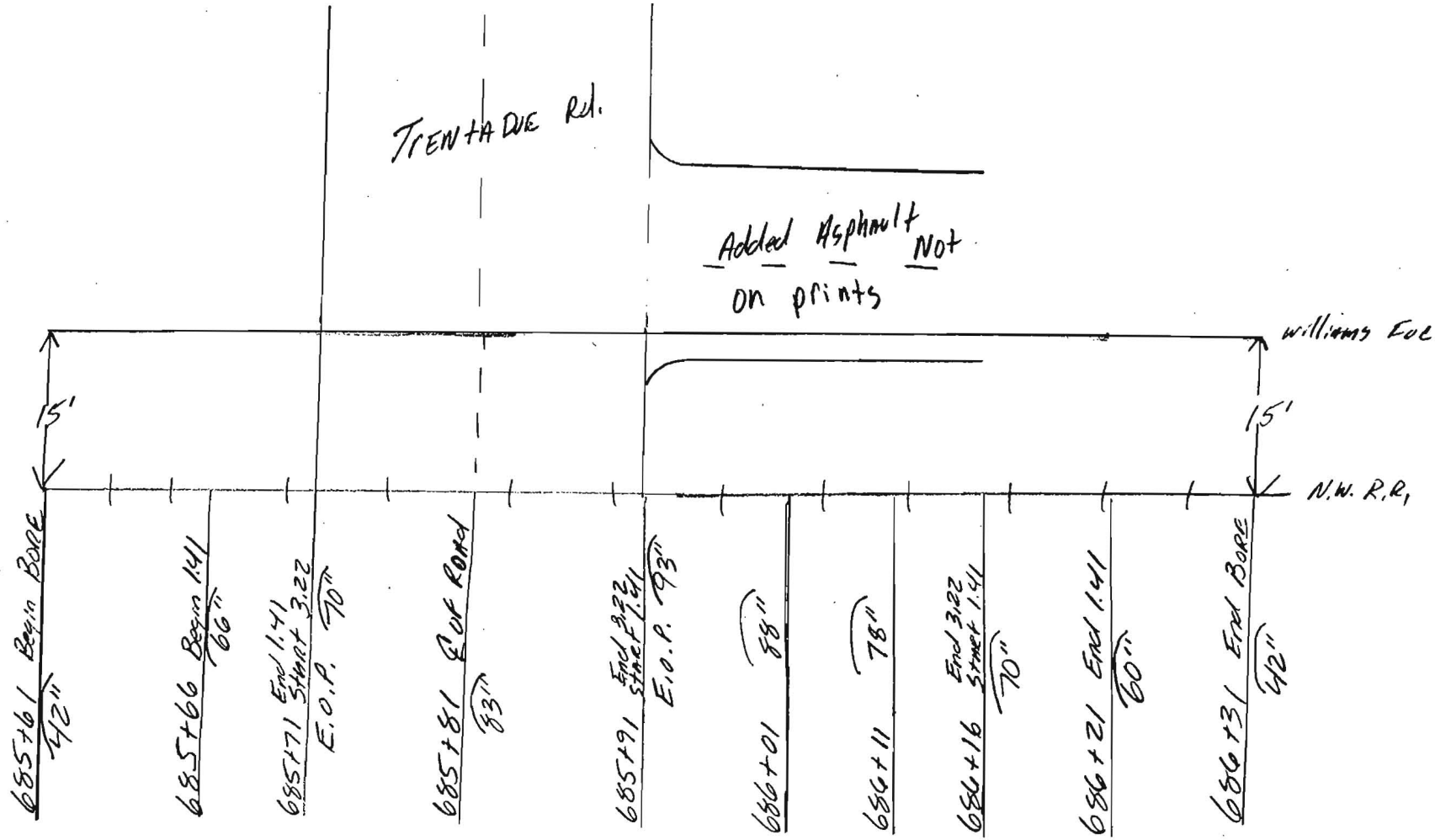
CONTRACTOR: Hinkels INSPECTOR: Kenny Strickland DATE: 10-08-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
685+61	15'0/S	42"	Begin Bore
685+66		66"	Start 1.41
685+71		70"	End 1.41 Start 3.22 E.O.P.
685+81		83"	℄ Trautadue Rd.
685+91		93"	
686+01		88"	
686+11		78"	
686+16		70"	End 3.22 / Start 1.41 E.O.P.
686+21		60"	End 1.41
686+31	15'0/S	42"	End Bore

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	ALIGN. SHEET #	SPREAD #
9-00	4877	59	99 11-14

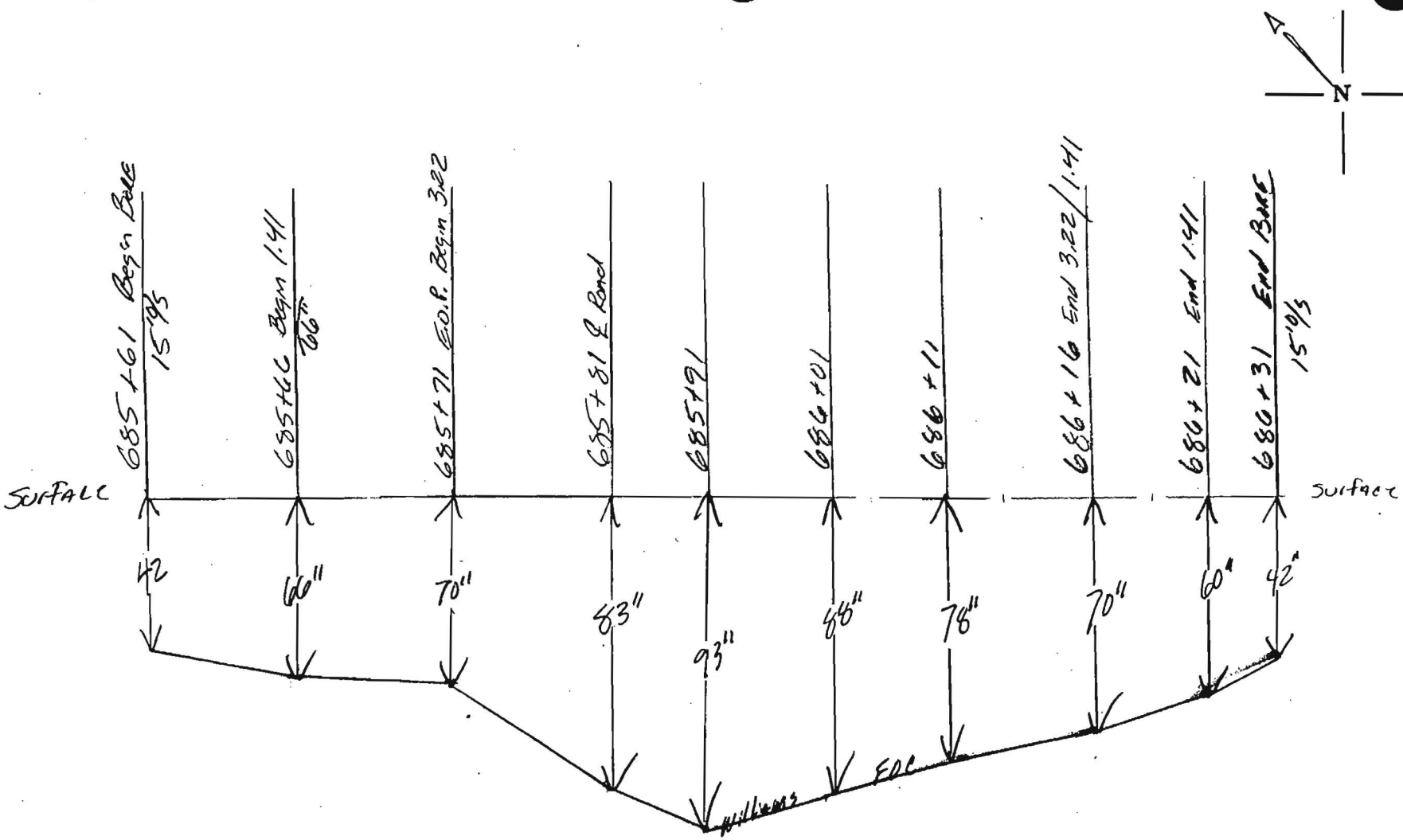


NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
2-1 1/2 1-1 1/4	Manny S. Klamd

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	ALIGN. SHEET #	SPREAD #
[illegible]9-W	4877	59	3[illegible]



NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels & McCoy
DUCT CONFIGURATION	**INSPECTOR**
2-1½ 1-1¼	Kenny S[illegible]ckland

Network Services

Williams Construction As-Built Documentation

Spread Location: Point to Spc

Spread No. #3

AFE No. 4875

Contract No. 9991541-14

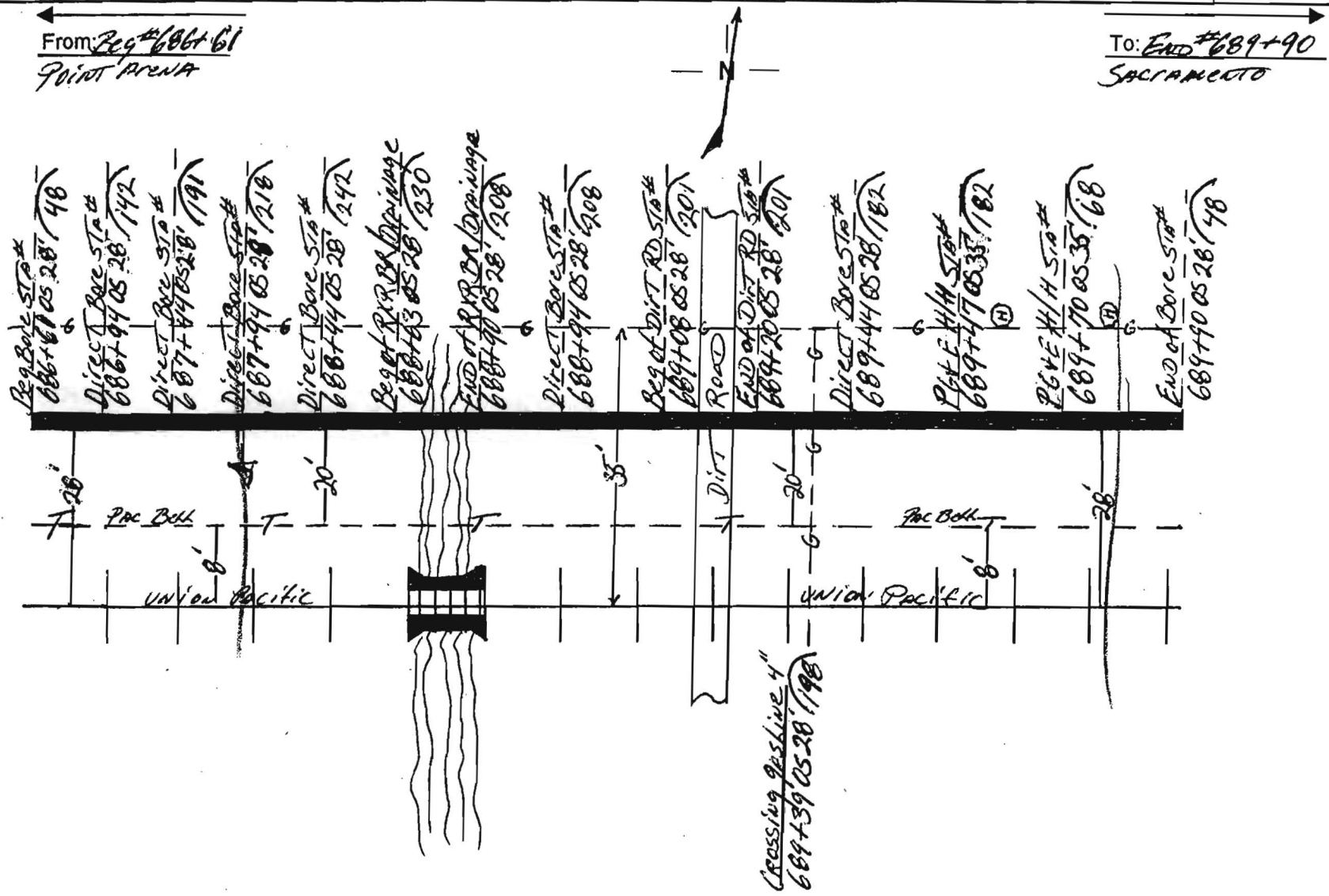
Date: 11-29-00

Page No. 1

Drawing #: 059

From: Beg #686+61 Point Arena

To: End #689+90 Sacramento



Notes: Direct Bore Asbuilt & Stick Bore & Crossing 4" gas line see Profile Asbuilt Dated 11-29-00 D-Geyerville-1

County: Sonoma

Contractor: Henkels & McCoy

Duct Configuration: 2-1½-1¼

Inspector: Jeff D McKoy

Williams

Williams Construction [illegible] -Built Documentation

Spread Location: [illegible]t Arena To Sac

Spread No. 3

AFE No. 4875

Contract No. 99P1541-14

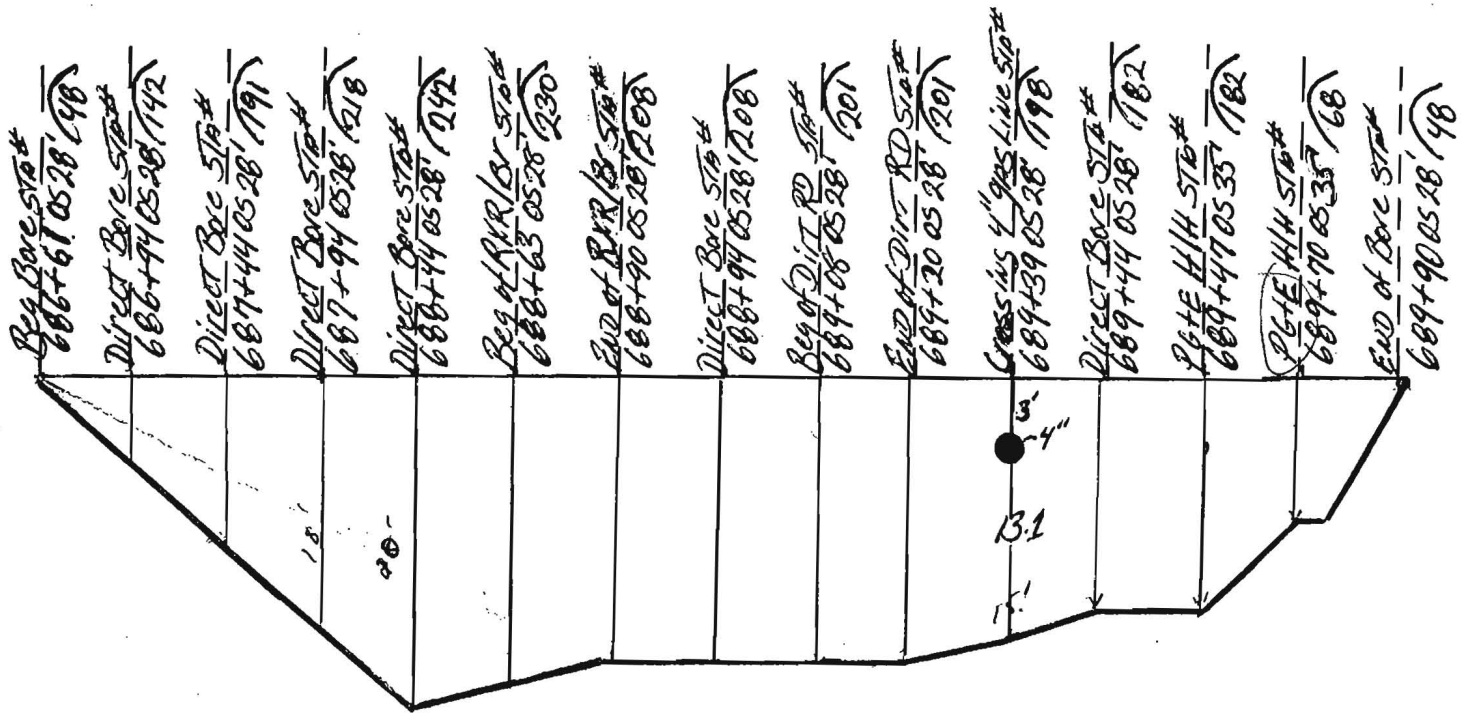
Date: 11-29-00

Page No. 1 of [illegible]

Drawing #: 059

From: Beg 686+61 Point Arena

To: End 689+90 Sacramento



Notes: Direct Bore Profile Asbuilt Crossing 4" gas Line. See Asbuilt Dated 11-29-00

County: Sonoma

Duct Configuration: 2-1½-1-1¼

Contractor: Henkels & McCoy

Inspector: Jeff D McKoy

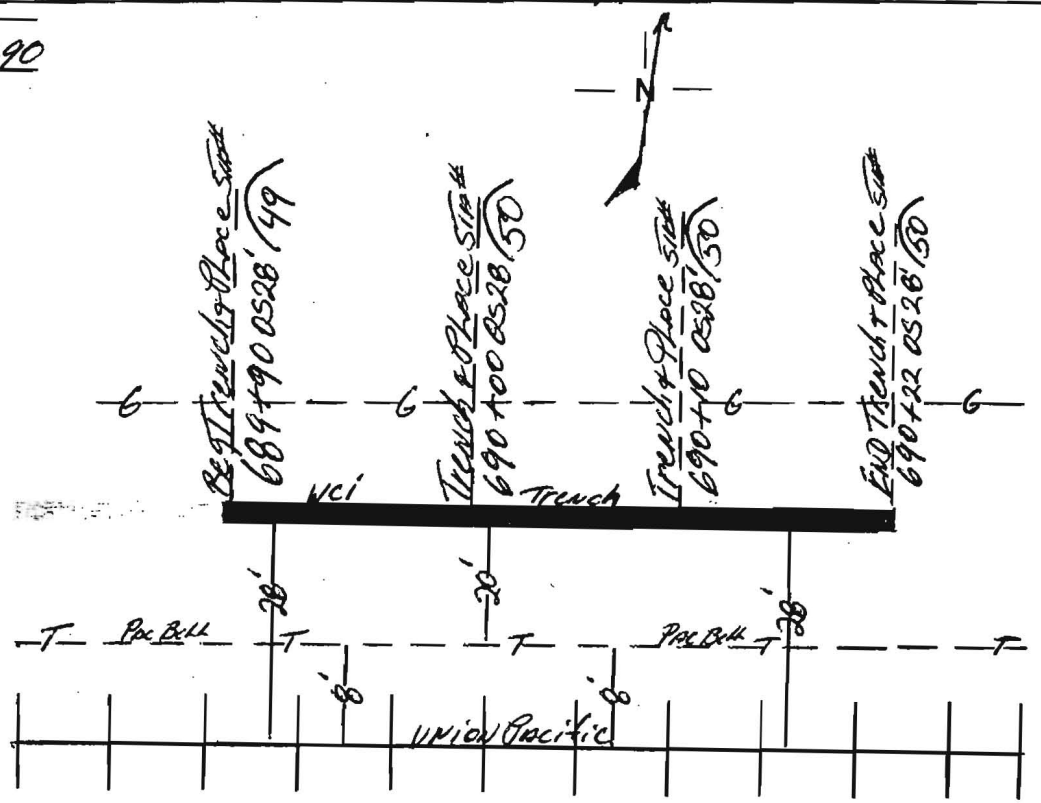
Williams Construction As-Built Documentation

Spread Location: Point Arena To Sac
Spread No. #3
AFE No. 4875
Contract No. 99P1541-14

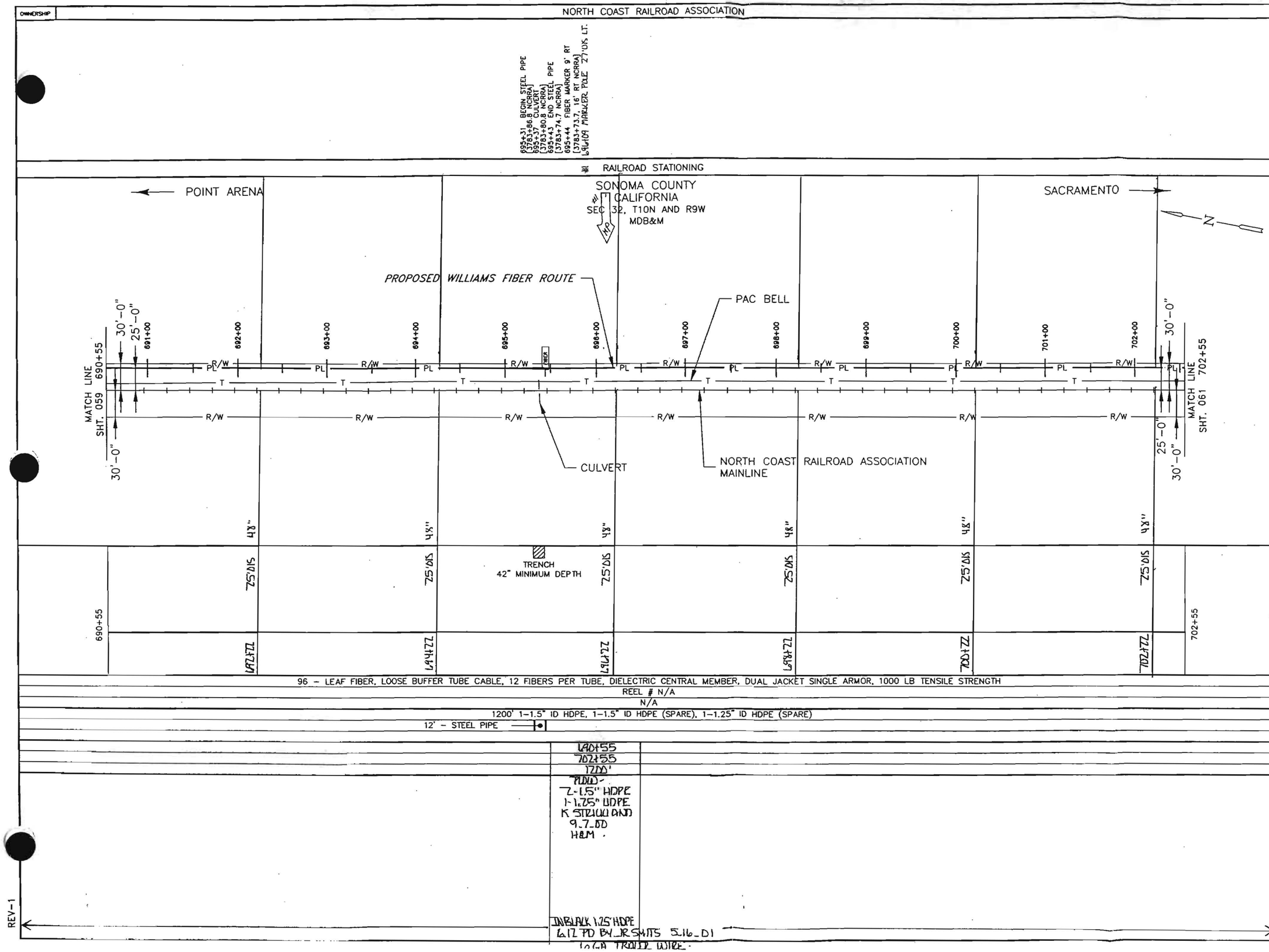
Date: 11-29-00
Page No. 1
Drawing #: 059

From: Beg @ 689+90 Point Arena

To: End 690+22 Sacramento



Notes: Trench & Place As Built	County: Sonoma	Contractor: Henkels & McCoy
	Duct Configuration: 2-1½-1-1¼	Inspector: Jeff D McKoy



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
- Son. 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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-060-SPRD 4	

Williams

Williams Construction [illegible]-Built Documentation

Spread Location: [illegible] Arena To Sac

Spread No. 3

AFE No. 4875

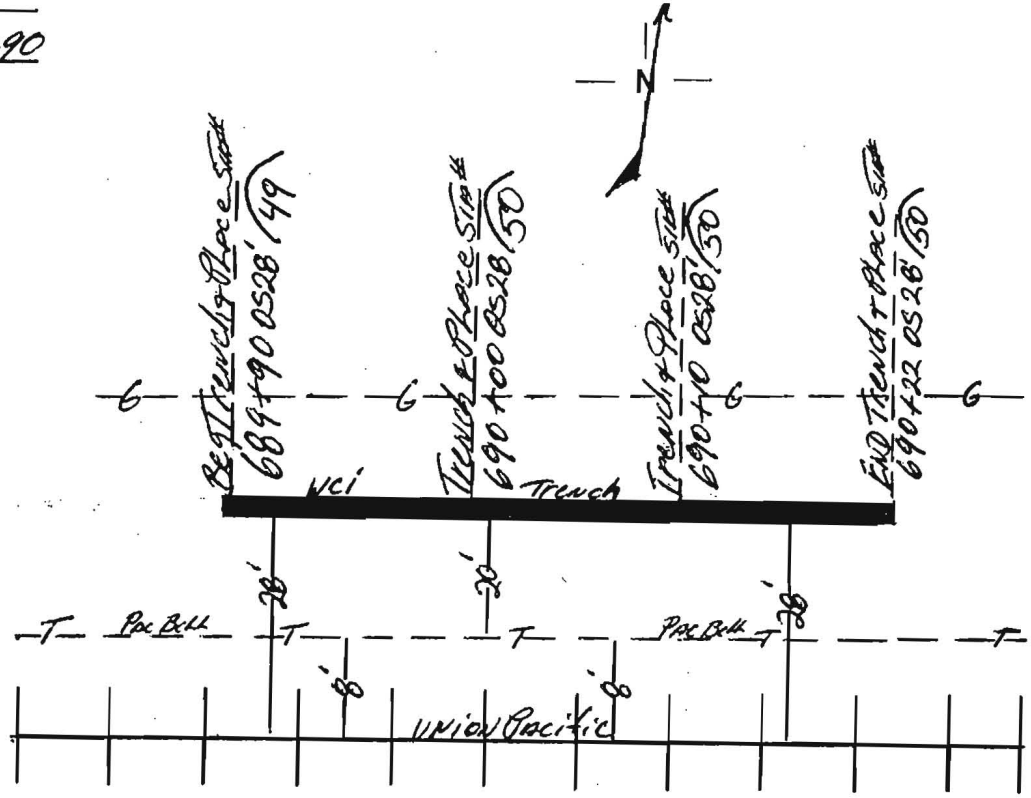
Contract No. 99P1341-14

Page No. 1 of [illegible]

Drawing #: 059

From: Beg @ 689+90 Point Arena

To: End 690+22 Sacramento



Notes: Trench + Place As Built

County: Sonoma

Duct Configuration: 2-1½-1-1¼

Contractor: Henkels + McCoy

Inspector: Jeff D McKoy

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow (3) H.D.P.E. | SPREAD: 3N

CONTRACTOR: H & M | INSPECTOR: Kenny Strickland | DATE: 9-7-00

DWG.:# | LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
690+22	25'10/s	48"	Start Plow
692+22	25'10/s	48"	
694+22	25'10/s	48"	
696+22	25'10/s	48"	
698+22	25'10/s	48"	
700+22	25'10/s	48"	
702+22	25'10/s	48"	
704+22	25'10/s	48"	
706+22	25'10/s	48"	
709+22	25'10/s	48"	
710+22	25'10/s	48"	
712+22	25'10/s	48"	
713+31	25'10/s	48"	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]

current as of: 12/7/98

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING

SONOMA COUNTY
CALIFORNIA
SEC 32, T10N AND R9W
MDB&M

← POINT ARENA

SACRAMENTO →

PROPOSED WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

PAC BELL

MATCH LINE SHT. 060 702+55

MATCH LINE SHT. 062 714+55

EG — CL FARM ROAD — EG

CULVERT

TRENCH
42" MINIMUM DEPTH

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)

20' – STEEL PIPE

IN BLACK 1.25" HDPE
6.12 PD BY JR SMITS 5-16-01

REV-1

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

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 005001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-061-SPRD 4	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION:	SPREAD:
Plow (3) H.D.P.E.	3N

CONTRACTOR: H & M INSPECTOR: Kenny Strickland DATE: 9-7-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
690+22	25'10/s	48"	Start Plow
692+22	25'10/s	48"	
694+22	25'10/s	48"	
696+22	25'10/s	48"	
698+22	25'10/s	48"	
700+22	25'10/s	48"	
702+22	25'10/s	48"	
704+22	25'10/s	48"	
706+22	25'10/s	48"	
709+22	25'10/s	48"	
710+22	25'10/s	48"	
712+22	25'10/s	48"	
713+31	25'10/s	48"	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	
[redacted]	—	—	—
[redacted]	[redacted]	96	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]

current as of: 12/7/98

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: INSPECT OPEN TRENCH AND PLACE H.D.P.E

SPREAD: 3- NORTH

CONTRACTOR: Henkles + McCoy INSPECTOR: John Padgett DATE: 9-7-00

DWG.# 062 LOCATION: KR

STATION:	OFFSET:	DEPTH:	NOTES:
713+31	25'	48"	End plow Begin TRENCH
713+41	25'	48"	
713+51	25'	48"	
713+61	25'	48"	
713+71	25'	48"	
713+81	25'	48"	
713+91	25'	48"	
714+01	25'	48"	Begin 4" Steel Pipe
714+06	25'	48"	@ 10" WATER LINE DEPTH UNKNOWN
714+11	25'	48"	END 4" Steel PIPE
714+21	25'	48"	
714+31	25'	48"	
714+41	25'	48"	
714+51	25'	48"	
714+60	25'	48"	@ 3 Steel Couplers 2-1x50-1-1x25
714+71	25'	50	
714+81	25'	59	
714+91	25"	64	
715+01	25'	67"	Begin 4" STEEL Conduit
715+06	25	61	@ 10" WATER LINE 33" Top grade
715+11	25	67	END 4" Steel Conduit
715+21	25	59"	
715+36	25	48"	END TRENCH - Begin plow

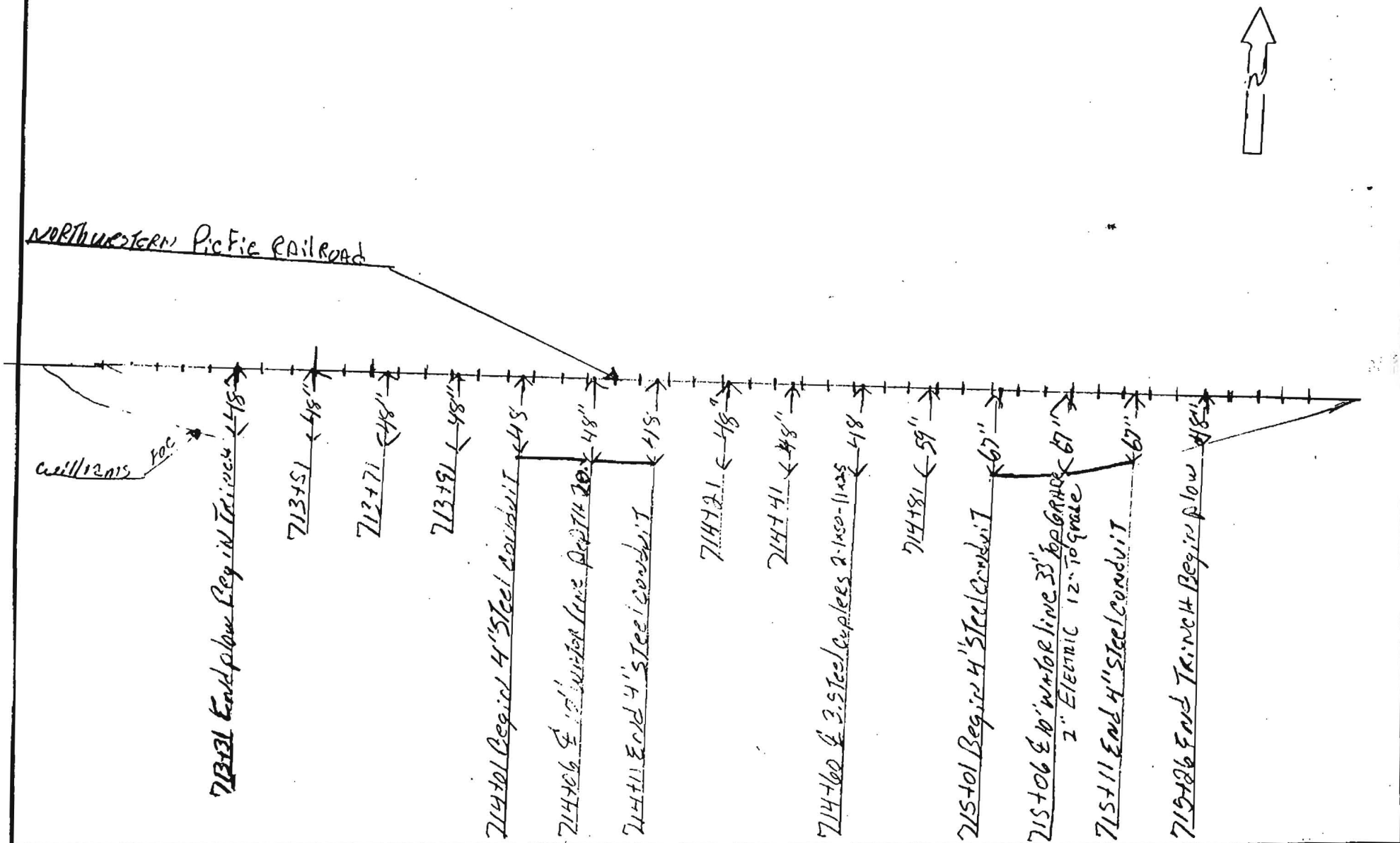
2" EJECT. 12" CO.

C[redacted]ST[redacted]..ON AS-BUILT DOCUMENTATION

DATE	PROJECT	DWG/ALIGN.SHEET #	SPREAD #
8-7-00	[redacted]	062	2-North

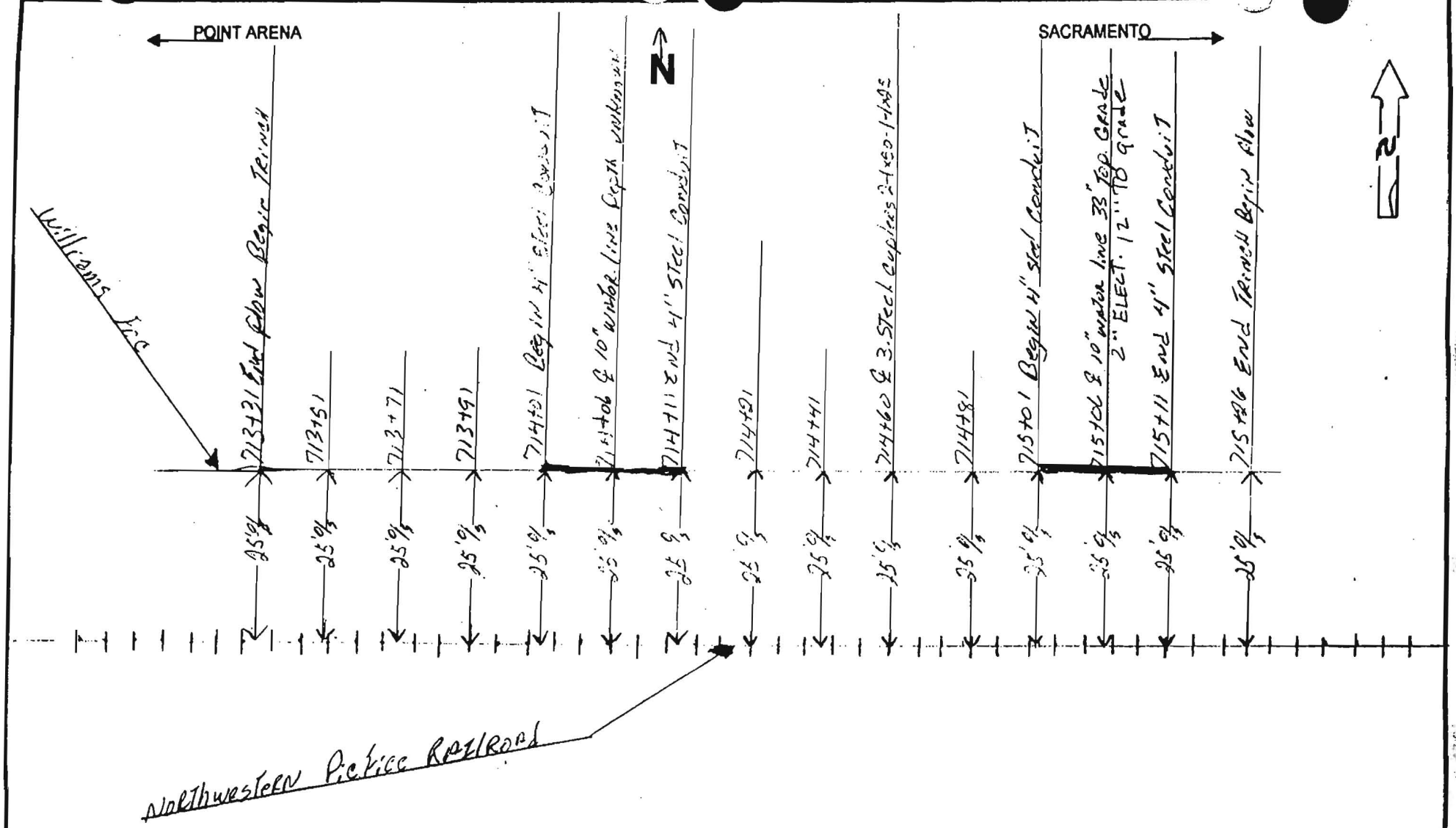
POINT ARENA ← → SACRAMENTO

N



NOTES: INSPECT OPEN TRENCH AND PLACE H.D.P.E. AND 4" STEEL	COUNTY: SONOMA	CONTRACTOR: HENKELS & MCCOY
	DUCT CONFIGURATION: 2-1x30 14.DAE 1-1x25	INSPECTOR: John Pitcher

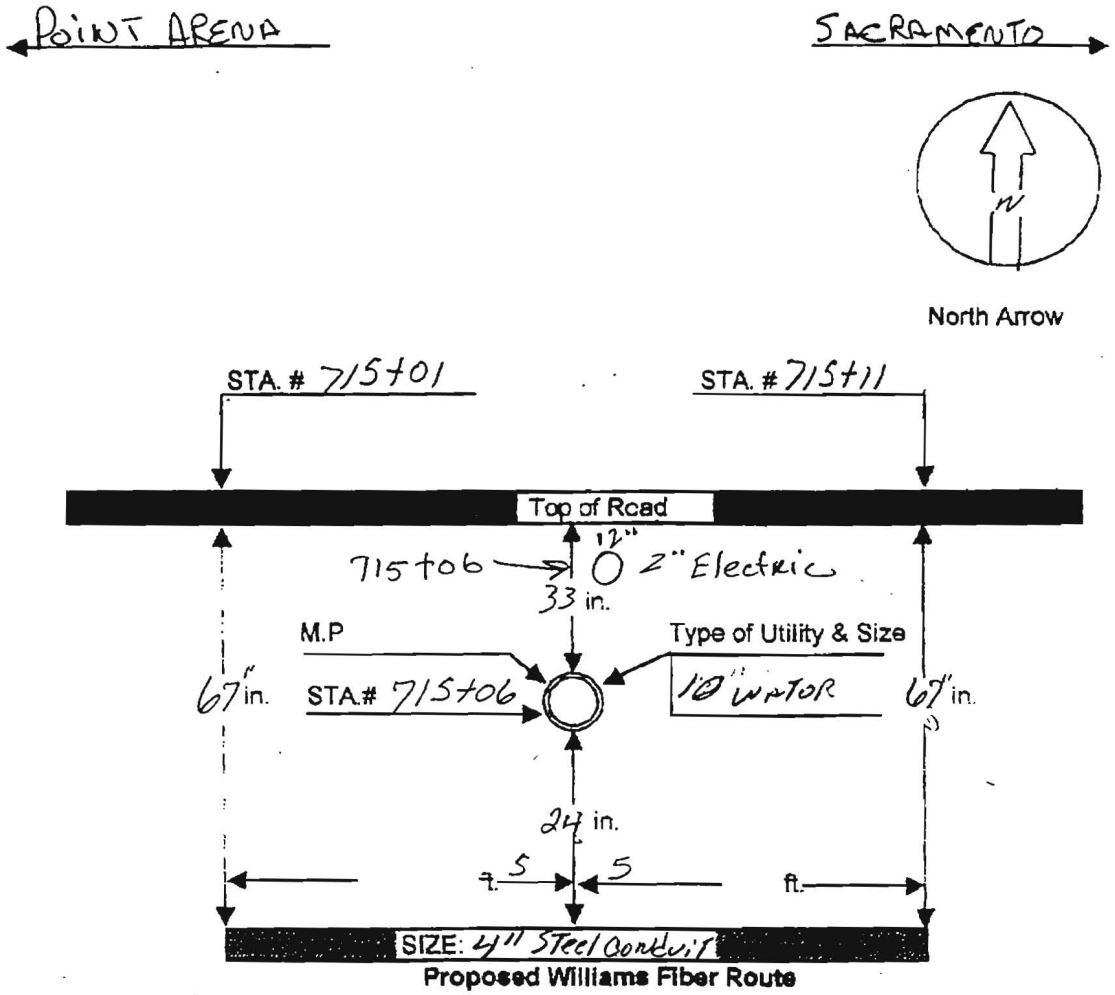
C[illegible]ST[illegible]ION AS-BUILT DOCUMENTATION	DATE 9-7-00	PROJECT [illegible]	DWG/ALIGN.SHEET # 062	SPREAD # 3.1[illegible]



NOTES: INSPECT OPEN TRENCH AND PLACE 4" STEEL AND TIE-IN OF 3. H.D.P.E 2-1x50 1-1x25 @ STATION 714+60	COUNTY: Sonoma	CONTRACTOR: Henkels & McCoy
	DUCT CONFIGURATION: 2-1x50 H.D.P.E 1-1x25	INSPECTOR: John Padgett

WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING



Proposed Williams Fiber Route

DATE: 9-7-00	TYPE OF CROSSING: WATER
COUNTY: SONOMA	CONTRACTOR: Henkels McCoy
ALIGN. SHT.# 062	INSPECTOR: John Pedrett
PROJECT: GGP1541.18	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Inspect open trench and place 4" O.P.E. 4" steel pipe | SPREAD: 3. North

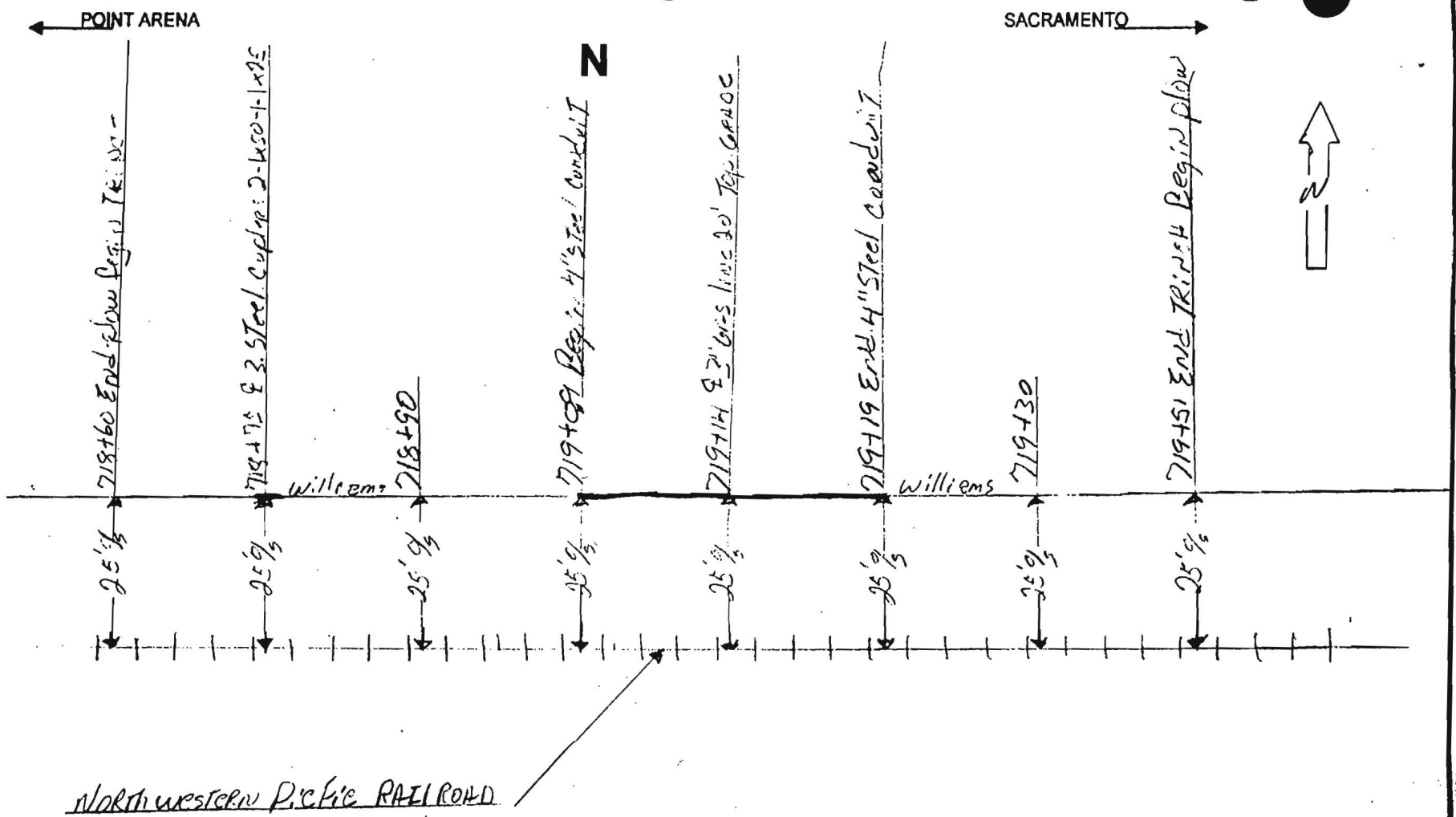
CONTRACTOR: Henkels + McCoy | INSPECTOR: John Padgett | DATE: 9-7-00

DWG.:# 062 | LOCATION: RR

STATION:	OFFSET:	DEPTH:	NOTES:
718+60	25'	48"	End plow Begin Trench
718+70	25'	48"	
718+75	25'	48"	@ 3. Steel cuplers 2-1x80-1-1x25
718+80	25'	48"	
718+90	25'	48"	
719+00	25'	48"	
719+05	25'	48"	Begin 4" Steel Conduit
719+14	25'	48"	@ 3" Gas line 20" Top Grade
719+19	25'	48"	End 4" Steel Conduit
719+20	25'	48"	
719+30	25'	48"	
719+40	25'	48"	
719+51	25'	48"	End Trench Begin plow

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #	DWG/ALIGN.SHEET #	SPREAD #
9-7-00	751	062	3 NORTH



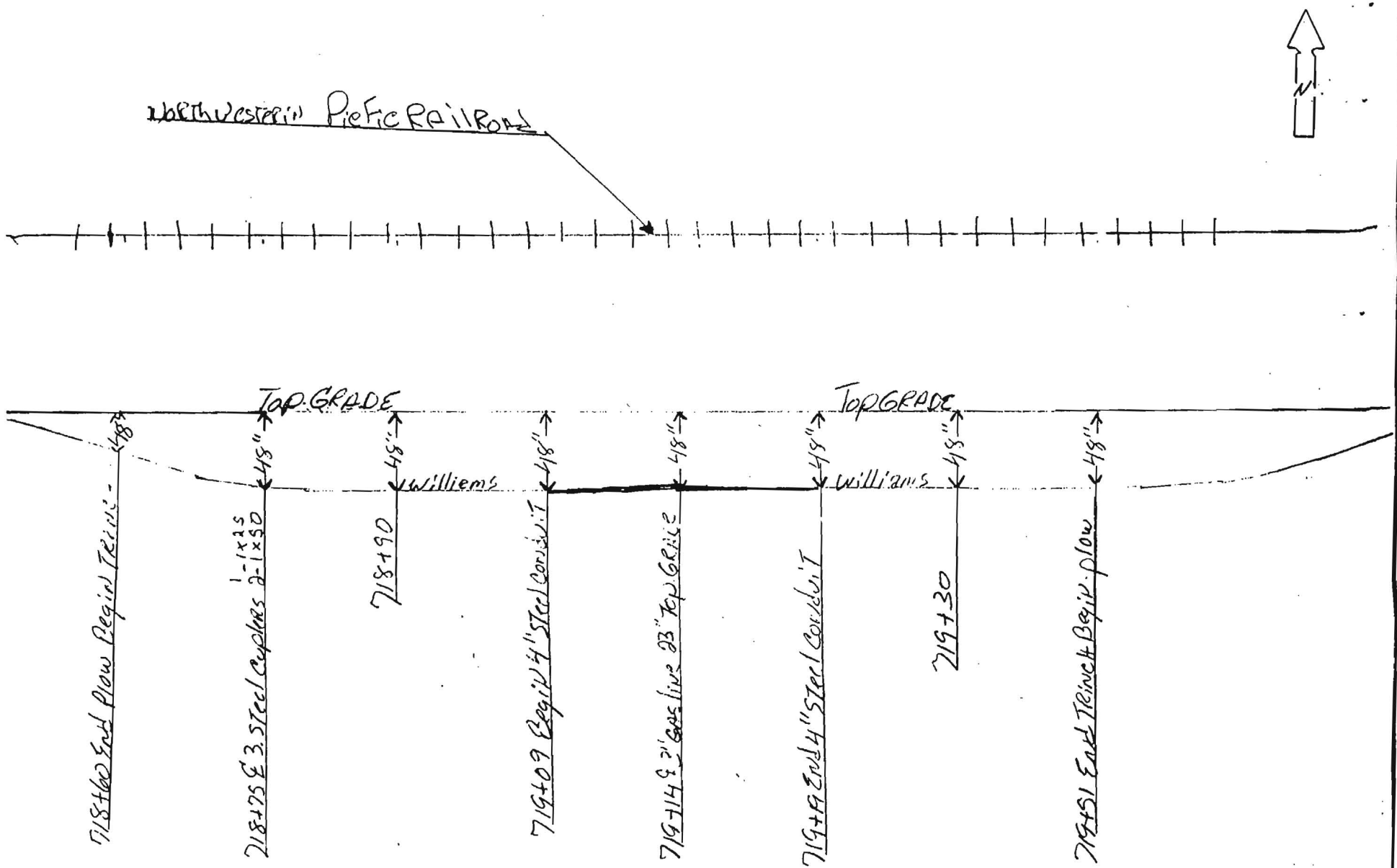
NOTES: INSPECT OPEN TRENCH AND HAND HOLE AND 1" STEEL CONDUIT

COUNTY:	CONTRACTOR:
SONOMA	HANKELS & MCCOY
DUCT CONFIGURATION:	**INSPECTOR:**
2-1x50 HDPE 1-1x25	JOHN PODGETT

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 6-7-00	PROJECT [illegible]	DWG/ALIGN.SHEET # 062	SPREAD # 3-NORTH

POINT ARENA ← → SACRAMENTO

N

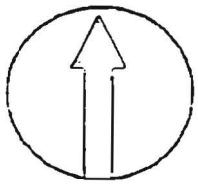


NOTES: Inspect Trench and place 4" Steel Conduit	COUNTY: Sonoma	CONTRACTOR: Henkels McCoy
	DUCT CONFIGURATION: 2-1x50 1-1x25 HDPE	INSPECTOR: John Padgett

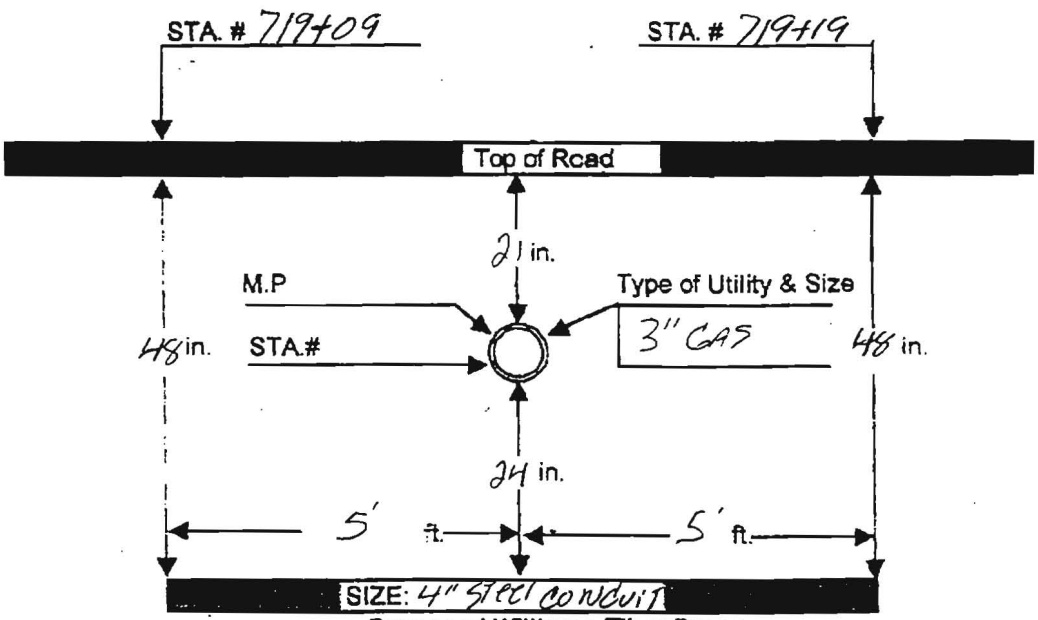
WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING

POINT ARENA ← → SACRAMENTO



North Arrow



Proposed Williams Fiber Route

DATE: 9-7-00	TYPE OF CROSSING: GAS
COUNTY: SONOMA	CONTRACTOR: HENKELS + MCCOY
ALIGN. SHT.# 062	INSPECTOR: JOHN PODGETT
PROJECT: GGP1541:18	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow (3) H.D.P.E. SPREAD: 3N

CONTRACTOR: H & M INSPECTOR: Kenny Strickland DATE: 9-7-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
690+22	25'10/3	48"	Start Plow
692+22	25'10/3	48"	
694+22	25'10/3	48"	
696+22	25'10/3	48"	
698+22	25'10/3	48"	
700+22	25'10/3	48"	
702+22	25'10/3	48"	
704+22	25'10/3	48"	
706+22	25'10/3	48"	
709+22	25'10/3	48"	
710+22	25'10/3	48"	
712+22	25'10/3	48"	
713+31	25'10/3	48"	End Plow
715+26	25'10/3	48"	Start Plow
717+26	25'10/3	48"	
~~718+60~~	—	—	—
718+60	25'10/3	48"	End Plow
719+51	25'10/3	48"	Start Plow
721+35	25'10/3	48"	End Plow

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

716+80 ROAD SIGN 11' RT [3762+50.1, 14' RT NCRRA]
716+86 CL OF ROAD [3762+44.3 NCRRA]
717+00 ROAD SIGN 37' RT [3762+30.6, 14' LT NCRRA]
718+98 FIBER MARKER 10' RT [3760+38, 15' RT NCRRA]
720+56 POINT OF SWITCH [3758+84.3 NCRRA]
722+17 R/L CHANGE [3757+27.6 NCRRA]
722+33 R/L CHANGE [3757+12.1 NCRRA]
722+35 FIBER MARKER 12' RT [3757+10.1 20' RT NCRRA]
722+56 CL OF CREEK [3756+89.7 NCRRA]
722+68 ROAD SIGN 17' RT [3756+78, 17' RT NCRRA]
722+77 ROAD SIGN 47' RT [3756+69.3, 12' LT NCRRA]
722+79 CL OF ROAD [3756+67.3 NCRRA]
722+86 FIBER MARKER 14' RT [3756+60.5, 21' RT NCRRA]
721+89 MARKER TOLE 25°DIS LT

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 32, T10N, R9W
MDB&M

SACRAMENTO

N

W-JIMTOWN-5

PROPOSED WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

CL GRAVEL ROAD
CULVERT

BRIDGE
EG
EG
WINGWALL

PAC BELL

MATCH LINE SHT. 061 714+55

MATCH LINE SHT. 063 726+60

EG
EG
CULVERT

NORTH COAST RAILROAD ASSOCIATION SPUR

WINGWALL

CL PRIVATE ROAD
CL CREEK

WL-JIMTOWN-1
FHYL, CRLF

D/R-JIMTOWN-9
D/R-JIMTOWN-7

714+55	SPLICE ALL	25'DIS	54"	25'DIS 48"	30'-0"	25'DIS 48"	25'DIS 48"	25'DIS 48"	30'-0"	25'DIS 48"	25'DIS 48"	35'DIS 62"	35'DIS 124"	35'DIS 131"	35'DIS 122"	35'DIS	40'-0"
		BORE STEEL 5"	25'DIS 67"	25'DIS 48"													
		EXIST STEEL 5"	25'DIS 67"	25'DIS 48"													
		EXIST TRENCH/BORE	PLOW	TRENCH													
714+60	714+81	715+01	715+11	715+26		717+26		718+60	SPLICE ALL	718+75	719+09	719+19	719+51	721+35	722+36	723+36	724+31	725+31	726+31	726+60			
											EXIST STEEL 5"	EXIST STEEL 5"	EXIST TRENCH	EXIST PLOW / BORE BORE									
								EXIST PLOW / BORE TRENCH																

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

1205' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

714+55	715+26	718+60	719+51	721+35
715+26	718+60	719+51	721+35	726+60
71'	334'	91'	184'	525'
"TRENCH 2-1.5" HDPE 1-1.25" HDPE JOHN PADGETT 7-7-00 H&M	PLOW 2-1.5" HDPE 1-1.25" HDPE K. STRICKLAND 9-7-00 H&M	TRENCH 2-1.5" HDPE 1-1.25" HDPE JOHN PADGETT 9-7-00 H&M	PLOW 2-1.5" HDPE 1-1.25" HDPE K. STRICKLAND 9-7-00 H&M	BORE 2-1.5" HDPE 1-1.25" HDPE JEFF MCKOY 11-28-00 H&M
	715+01 715+11 10' 1.41 5" STEEL K. STRICKLAND	IN BLACK 1.25" HDPE	719+09 719+19 10' 1.41 5" STEEL K. STRICKLAND	
	6.12 PD BY JR SMITS		5-16-01	

REV-1

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./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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'
VERTICAL SCALE (DWG) :	1"=100'
VERTICAL SCALE (PROF) :	1"=100'
MAP PROJECTION :	MAP-PROJECTION

DRAWING NUMBER : PTAR-SACR-062-SPRD 4

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow (3) H.D.P.E. SPREAD: 3N

CONTRACTOR: H & M INSPECTOR: Kenny Strickland DATE: 9-7-00

DWG.:# LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
690+22	25'10/3	48"	start Plow
692+22	25'10/3	48"	
694+22	25'10/3	48"	
696+22	25'10/3	48"	
698+22	25'10/3	48"	
700+22	25'10/3	48"	
702+22	25'10/3	48"	
704+22	25'10/3	48"	
706+22	25'10/3	48"	
709+22	25'10/3	48"	
710+22	25'10/3	48"	
712+22	25'10/3	48"	
713+31	25'10/3	48"	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: INSPECT OPEN TRENCH AND PLACE H.D.P.E

SPREAD: 3- NORTH

CONTRACTOR: Henkles + McCoy INSPECTOR: John Padgett DATE: 9-7-00

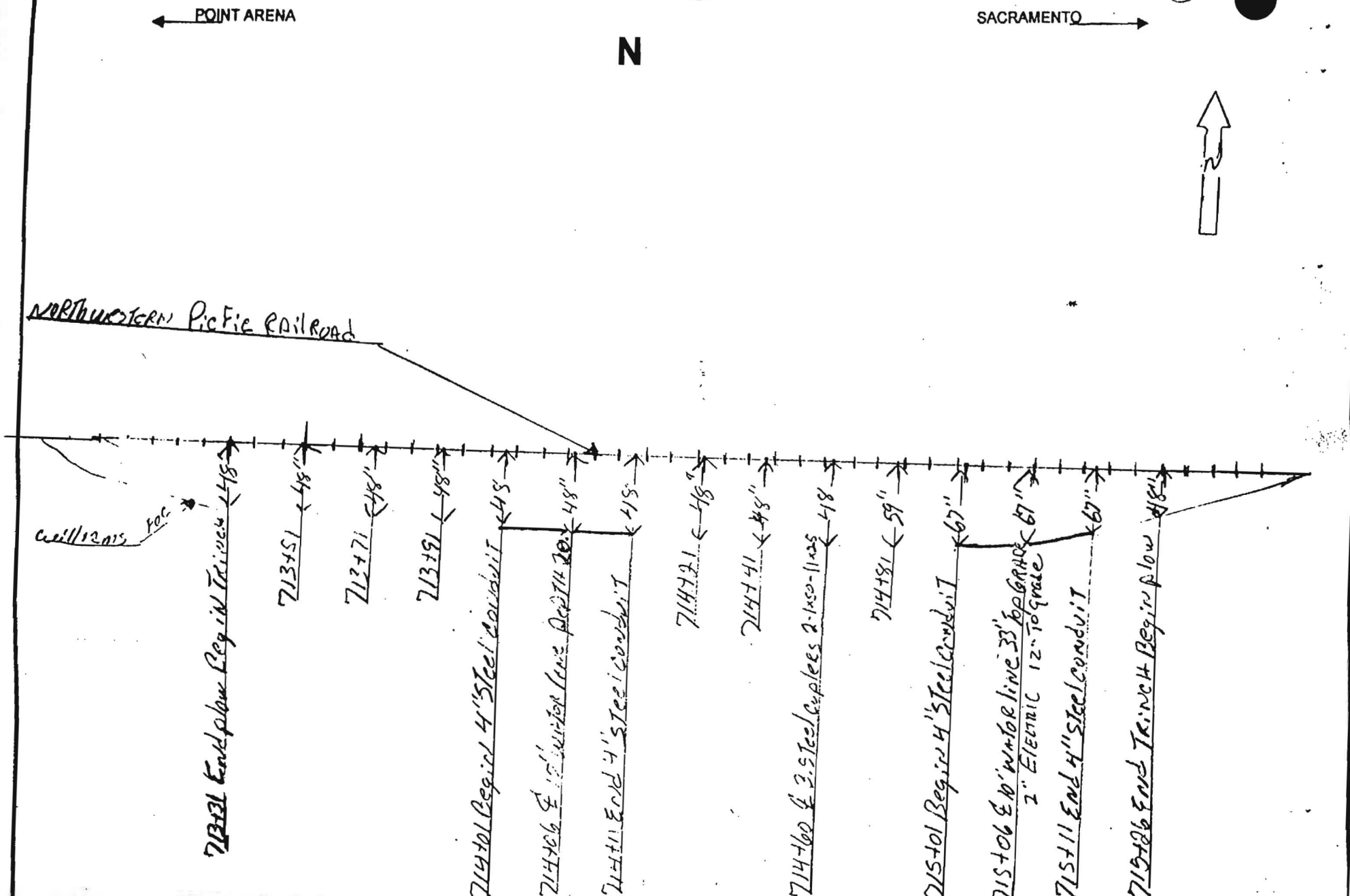
DWG.:# 062 LOCATION: KR

STATION:	OFFSET:	DEPTH:	NOTES:
713+31	25'	48"	End plow Begin TRENCH
713+41	25'	48"	
713+51	25'	48"	
713+61	25'	48"	
713+71	25'	48"	
713+81	25'	48"	
713+91	25'	48"	
714+01	25'	48"	Begin 4" STEEL Pipe
714+06	25'	48"	@ 10" WATER LINE WIDTH UNKOWN
714+11	25'	48"	END 4" STEEL PIPE
714+21	25'	48"	
714+31	25'	48"	
714+41	25'	48"	
714+51	25'	48"	
714+60	25'	48"	@ 3 STEEL COUPLERS 2-1x50-1-1x25
714+71	25'	50	
714+81	25'	59	
714+91	25'	64	
715+01	25'	67"	Begin 4" STEEL CONDUIT
715+06	25	61	@ 10" WATER LINE 33" TOP GRADE
715+11	25	67	END 4" STEEL CONDUIT
715+21	25	59"	
715+26	25	48"	END TRENCH - Begin plow

2" EJECT 18" C

C STR ON AS-BUILT DOCUMENTATION

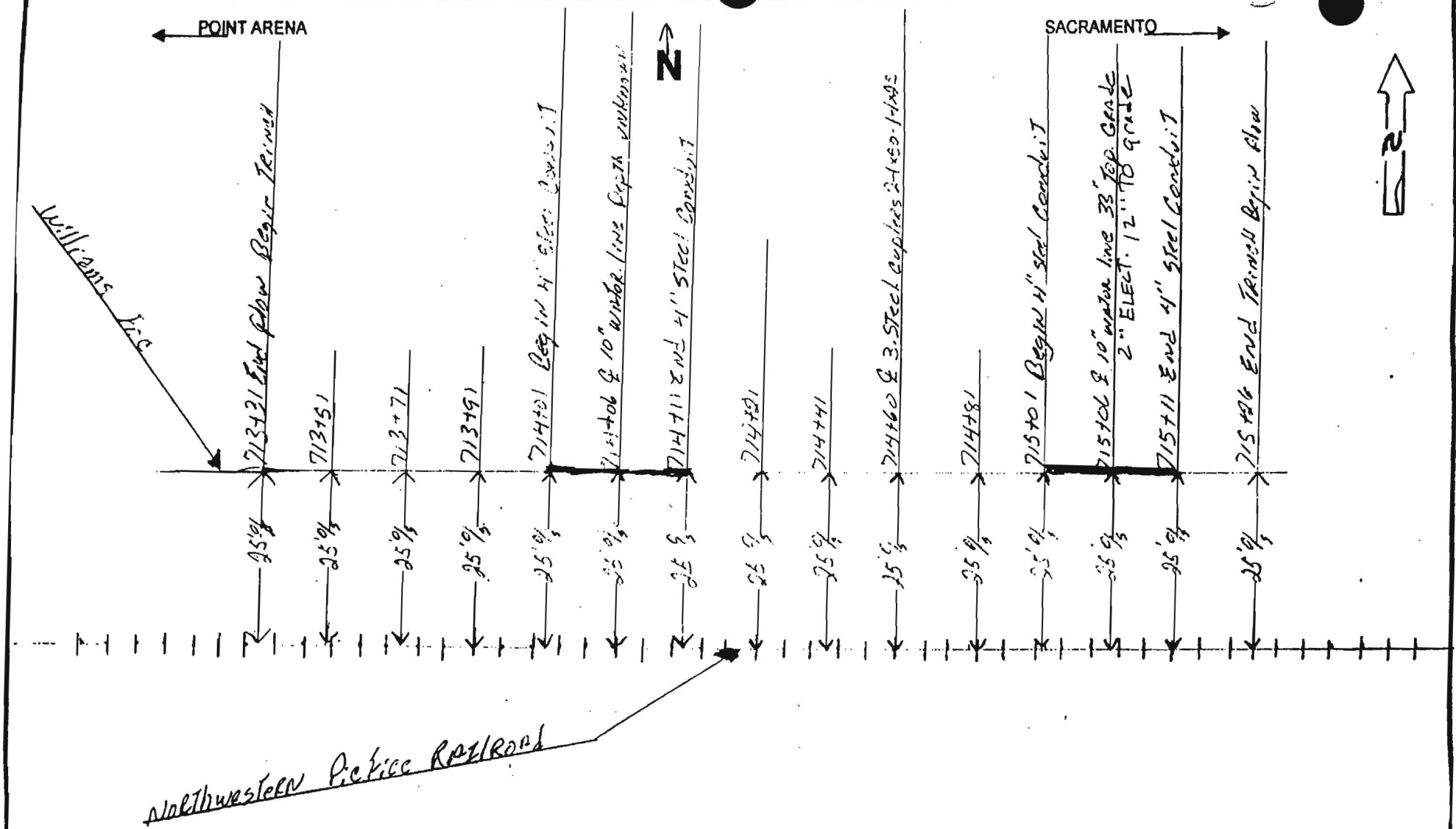
DATE:	PROJECT	DWG/ALIGN SHEET #	
9-7-00	95	062	S. North



NOTES: INSPECT OPEN TRINCH AND PLACE H.D.P.E. AND 4" STEEL	COUNTY: SONOMA	CONTRACTOR: Henkles & McCoy
	DUCT CONFIGURATION: 2-1x50 H.D.P.E. 1-1x25	INSPECTOR: John Padgett

C[illegible]STI[illegible]ION AS-BUILT DOCUMENTATION

DATE	PROJECT	DWG/ALIGN.SHEET #	
9-7-00	[illegible]	062	3.1[illegible]

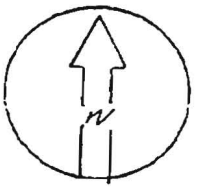


NOTES: INSPECT OPEN TRENCH AND PLACE 4" STEEL AND TIE-IN OF 3. H.D.P.E. 2-1x50 1-1x25 - A STATION 714+60	COUNTY: Sonoma	CONTRACTOR: Henkels & McCoy
	DUCT CONFIGURATION: 2-1x50 H.D.P.E 1-1x25	INSPECTOR: John Padgett

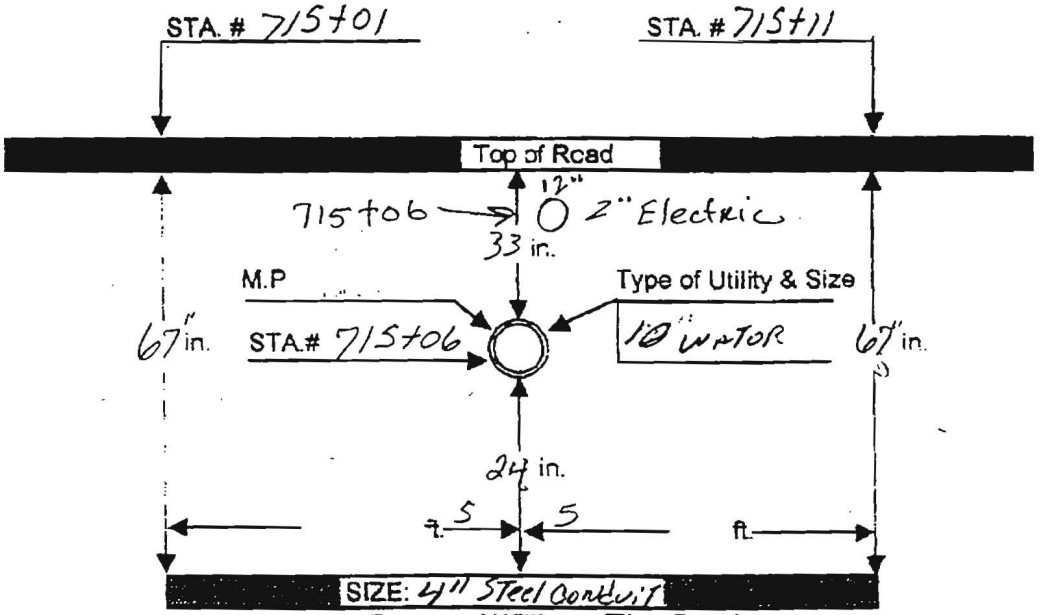
WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING

POINT ARENA ← → SACRAMENTO



North Arrow



Proposed Williams Fiber Route

DATE: 9-7-00	TYPE OF CROSSING: WATOR
COUNTY: SONOMA	CONTRACTOR: Henkels McCoy
ALIGN. SHT.# 062	INSPECTOR: John Pedrett
PROJECT: GP1541.18	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Inspect Open Trench and place 4" O.P.E. 4" steel pipe | SPREAD: 3. North

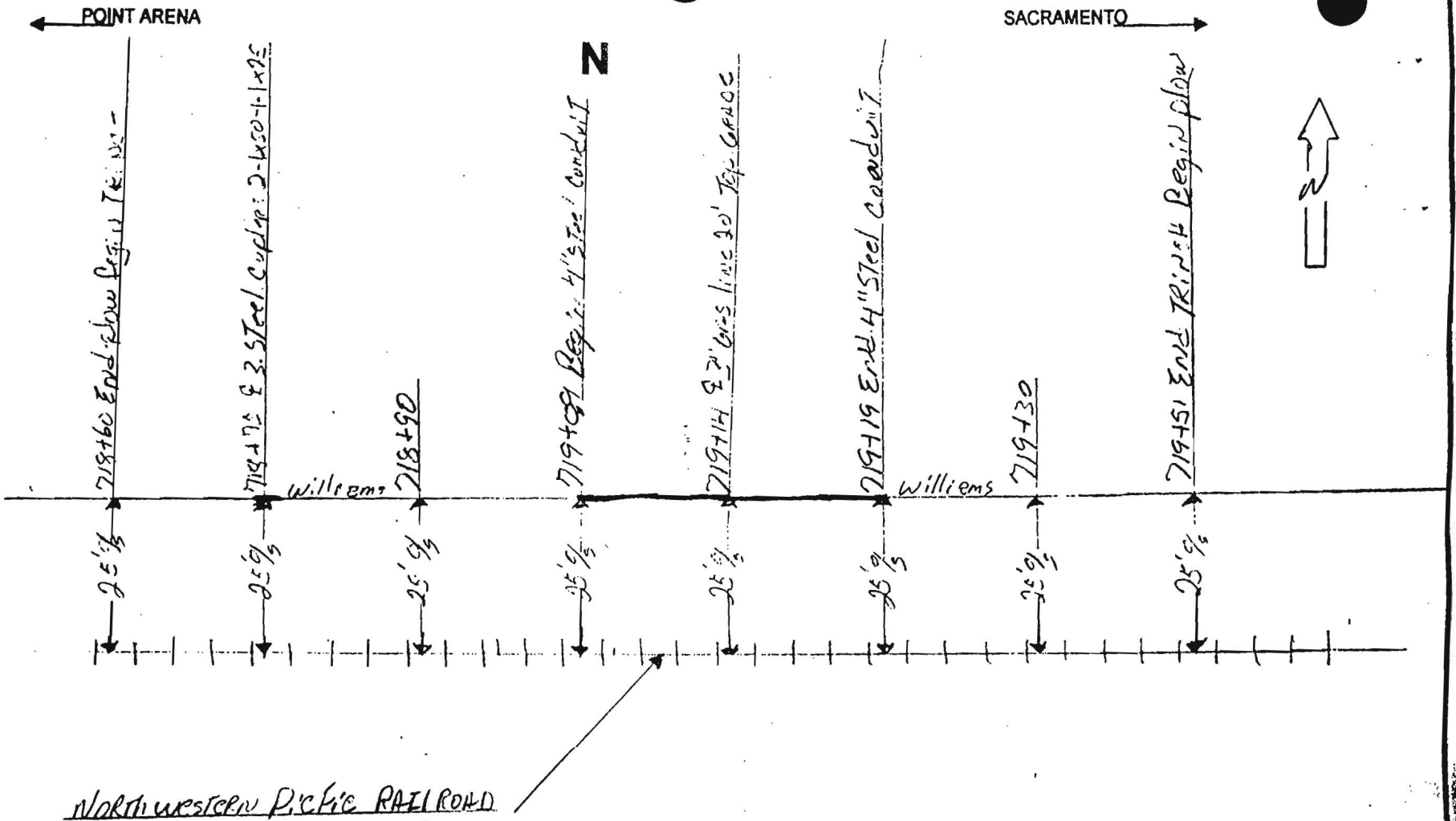
CONTRACTOR: Henkels + McCoy | INSPECTOR: John Padgett | DATE: 9-7-00

DWG.:# 062 | LOCATION: RR

STATION:	OFFSET:	DEPTH:	NOTES:
718+60	25'	48"	End plow Begin Trench
718+70	25'	48"	
718+75	25'	48"	@ 3. Steel couplers 2-1x50-1-1x25
718+80	25'	48"	
718+90	25'	48"	
719+00	25'	48"	
719+09	25'	48"	Begin 4" Steel Conduit
719+14	25'	48"	@ 3" Gas line 20" Top Grade
719+19	25'	48"	End 4" Steel Conduit
719+20	25'	48"	
719+30	25'	48"	
719+40	25'	48"	
719+51	25'	48"	End Trench Begin plow

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT	DWG/ALIGN SHEET #	
9-Jun-00	454	062	3 of 11



NOTES: INSPECT OPEN TRENCH AND LAID HDPE AND 1" STEEL CONDUIT

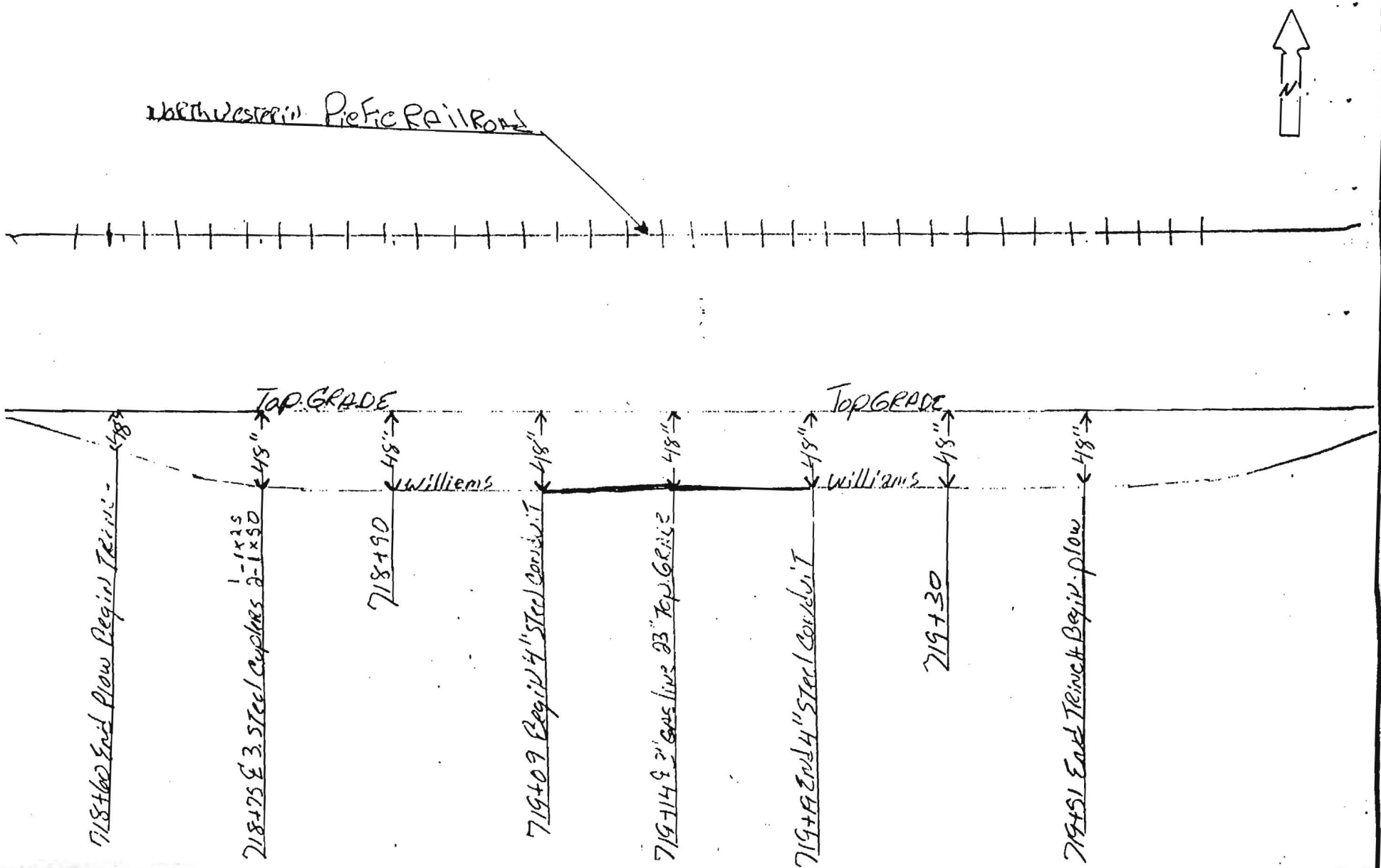
COUNTY: Sonoma

CONTRACTOR: Henkels & McCoy

DUCT CONFIGURATION: 2-1x50 HDPE 1-1x25

INSPECTOR: John Padgett

CONSTRUCTION AS-BUILT DOCUMENTATION	DATE 9-7-00	PROJECT 454	DWG/ALIGN.SHEET # 062	SHEET 3-North

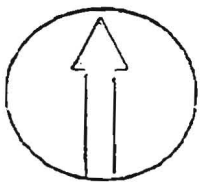


NOTES: Inspect Trein and place 4" Steel Conduit	COUNTY: Sonoma	CONTRACTOR: Henkels McCoy
	DUCT CONFIGURATION: 2-1x50 1-1x25 H.D.P.E	INSPECTOR: John Padgett

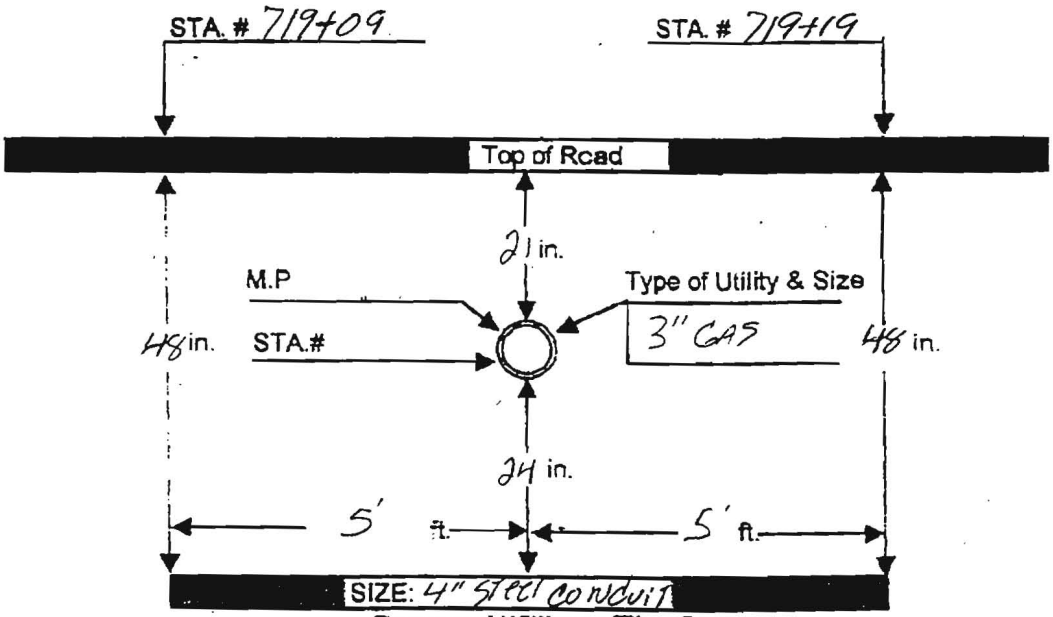
WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING

POINT ARENA ← → SACRAMENTO



North Arrow



Proposed Williams Fiber Route

DATE: 9-7-00	TYPE OF CROSSING: GAS
COUNTY: Sonoma	CONTRACTOR: Henkels & McCoy
ALIGN. SHT.# 062	INSPECTOR: John Padgett
PROJECT: 99P154111B	

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow (3) H.D.P.E. | SPREAD: 3N

CONTRACTOR: H & M | INSPECTOR: Kenny Strickland | DATE: 9-7-00

DWG.:# | LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
690+22	25'10/3	48"	Start Plow
692+22	25'10/3	48"	
694+22	25'10/3	48"	
696+22	25'10/3	48"	
698+22	25'10/3	48"	
700+22	25'10/3	48"	
702+22	25'10/3	48"	
704+22	25'10/3	48"	
706+22	25'10/3	48"	
709+22	25'10/3	48"	
710+22	25'10/3	48"	
712+22	25'10/3	48"	
713+31	25'10/3	48"	End Plow
715+26	25'10/3	48"	Start Plow
717+26	25'10/3	48"	
~~718+60~~	—	—	—
718+60	25'10/3	48"	End Plow
719+51	25'10/3	48"	Start Plow
721+35	25'10/3	48"	End Plow

current as of: 12/7/98

Williams Construction As-Built Documentation

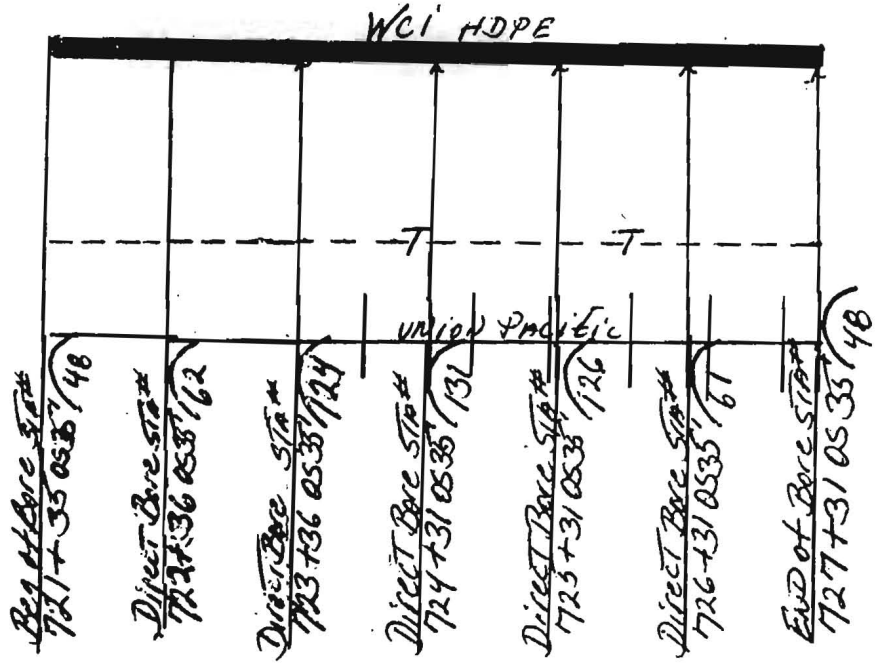
Spread Location: POINT ARENA TO SAC
Spread No. #3
AFE No. 4875
Contract No. 99P15411-14

Page No. 1 of
Drawing #: 062

From: Beg #721+35 POINT ARENA

To: END #727+31 SACRAMENTO

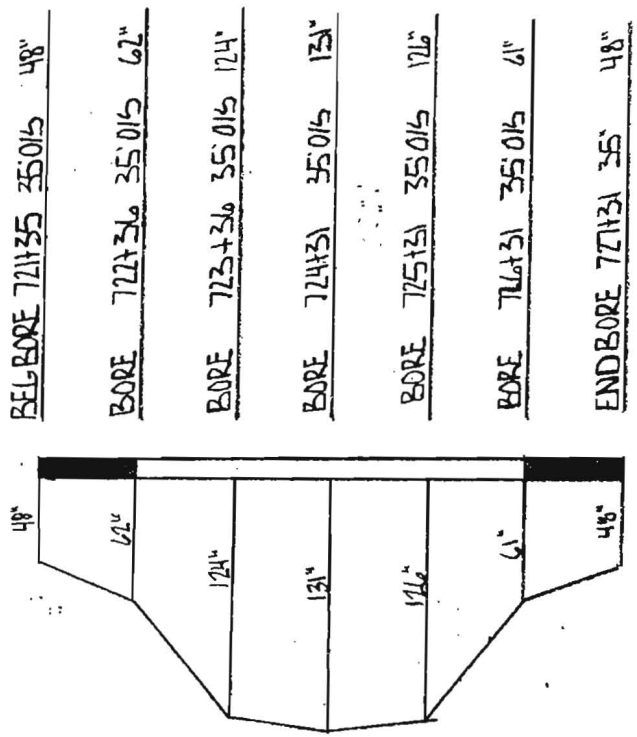




Notes: Direct Bore Asbuilt Footage 596' WETLAND = W-JIMTOWN-5 DELINEATED BY INDIRONMENTAL	County: SONOMA	Contractor: Hawkins & McCoy
	Duct Configuration: 2-1½-1-1¼	Inspector: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	SPREAD #:
11.28.00	4875	062	3



NOTES: 2-1.5" HDPE ORANGE-BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

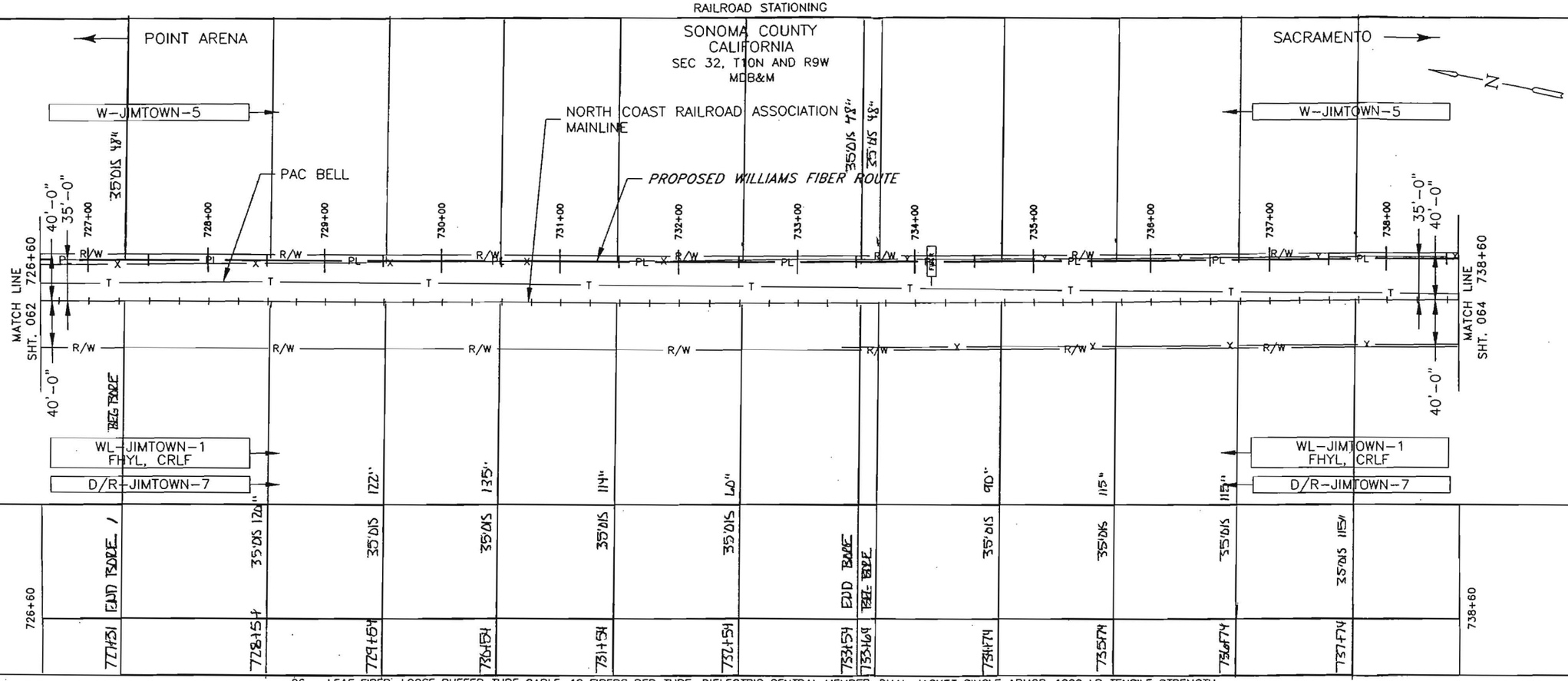
INSPECTOR: JEFF MCCOY

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

734+14 FIBER MARKER 20' RT [3745+63.1, 15' RT NCRRA]

RAILROAD STATIONING



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)

726+60	727+31	733+54	733+69
727+31	733+54	733+69	738+60
71'	602'	15'	496'
BORE	BORE	TRENCH	BORE
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
JEFF MCKOY	JEFF MCKOY	JEFF MCKOY	JEFF MCKOY
11_28_00	11_28_00	1_9_01	11_27_00
HRM	HRM	HRM	HRM

IN BLACK 1.25" HDPE
6.12 PD BY _R SHTS 5 16_01

REV-1

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.L.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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'
VERTICAL SCALE (DWG) :	1"=100'
VERTICAL SCALE (PROF) :	1"=100'
MAP PROJECTION :	MAP-PROJECTION

DRAWING NUMBER : PTAR-SACR-063-SPRD 4

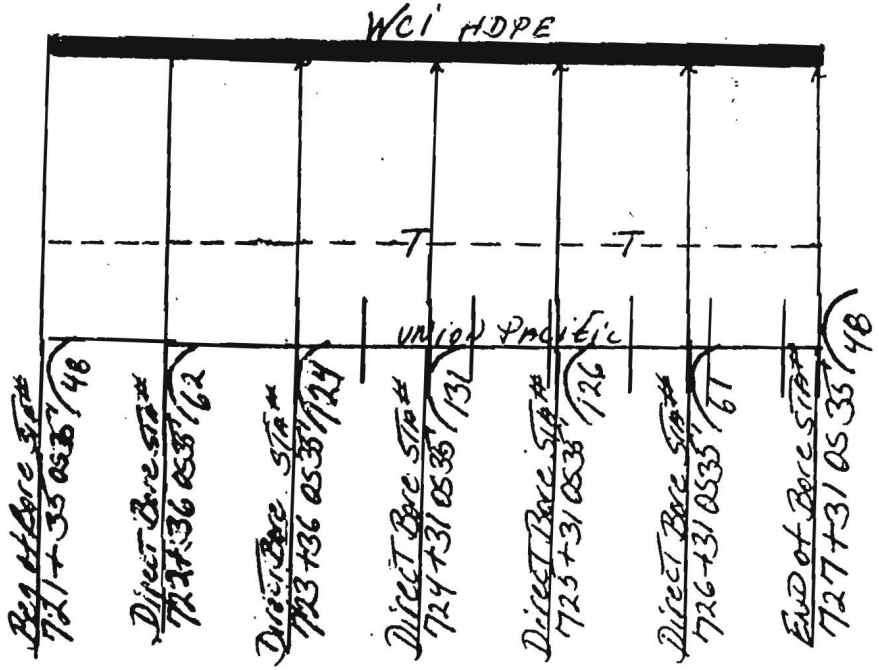
Williams Construction As-Built Documentation

Spread Location: POINT ARENA TO SAC
Spread No. #3
AFE No. 4875
Contract No. 599154141-14

Page No. 1 of 1
Drawing #: 062

From: Beg #721+35 POINT ARENA

To: END #727+31 SACRAMENTO



Notes: Direct Bore As-built Footage 596'
WETLAND = W-JIMTOWN-5 DELINEATED BY INVIRONMENTAL

County: SONOMA

Duct Configuration: 2-1 1/2-1-1 1/4

Contractor: Hawkins + McCoy

Inspector: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	SHEET #:
11.28.00	4875	062	3

BEG BORE 721+35 35'0/5 48"

BORE 722+36 35'0/5 62"

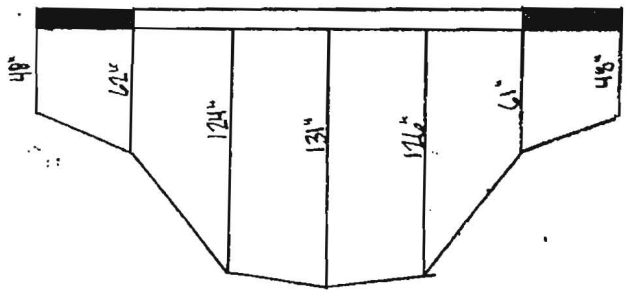
BORE 723+36 35'0/5 124"

BORE 724+31 35'0/5 131"

BORE 725+31 35'0/5 126"

BORE 726+31 35'0/5 61"

END BORE 727+31 35' 48"



NOTES: 2-1.5" HDPE ORANGE-BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: JEFF MCCOY

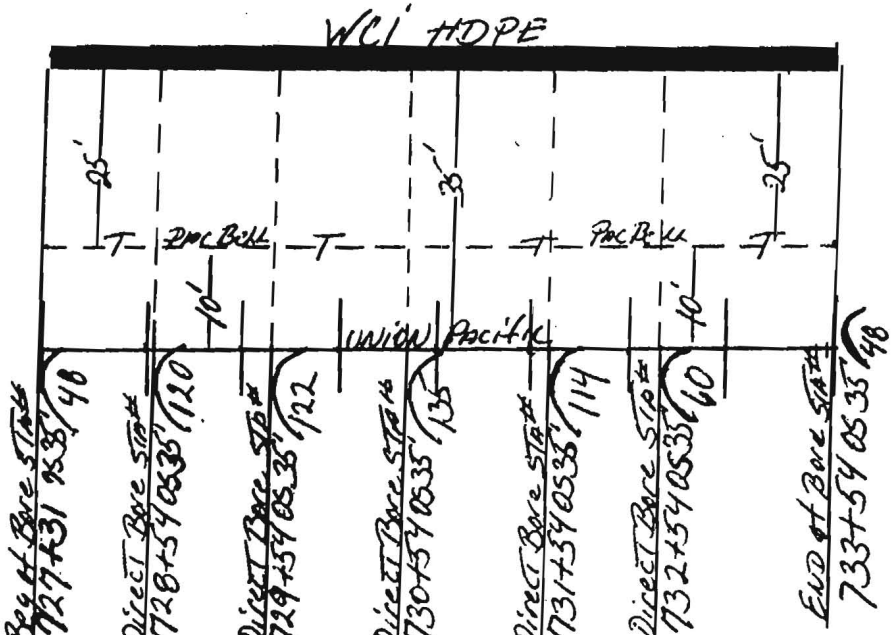
Williams Construction As-Built Documentation

Spread Location: Point Arena to Sac
Spread No. #3
AFE No. 4875
Contract No. 99P1341-14

Date: 11-28-00
Page No. 1 of 1
Drawing #: 063

From: Beg # 727+31 Point Arena

To: End # 733+54 Sacramento



Notes: Direct Bore As-built. Slick Bore Footage

County: SONOMA

Contractor: Haukels + McCoy

Williams Construction As-Built Documentation

Spread Location: Point Arena To Sac

Spread No. 3

AFE No. 4875

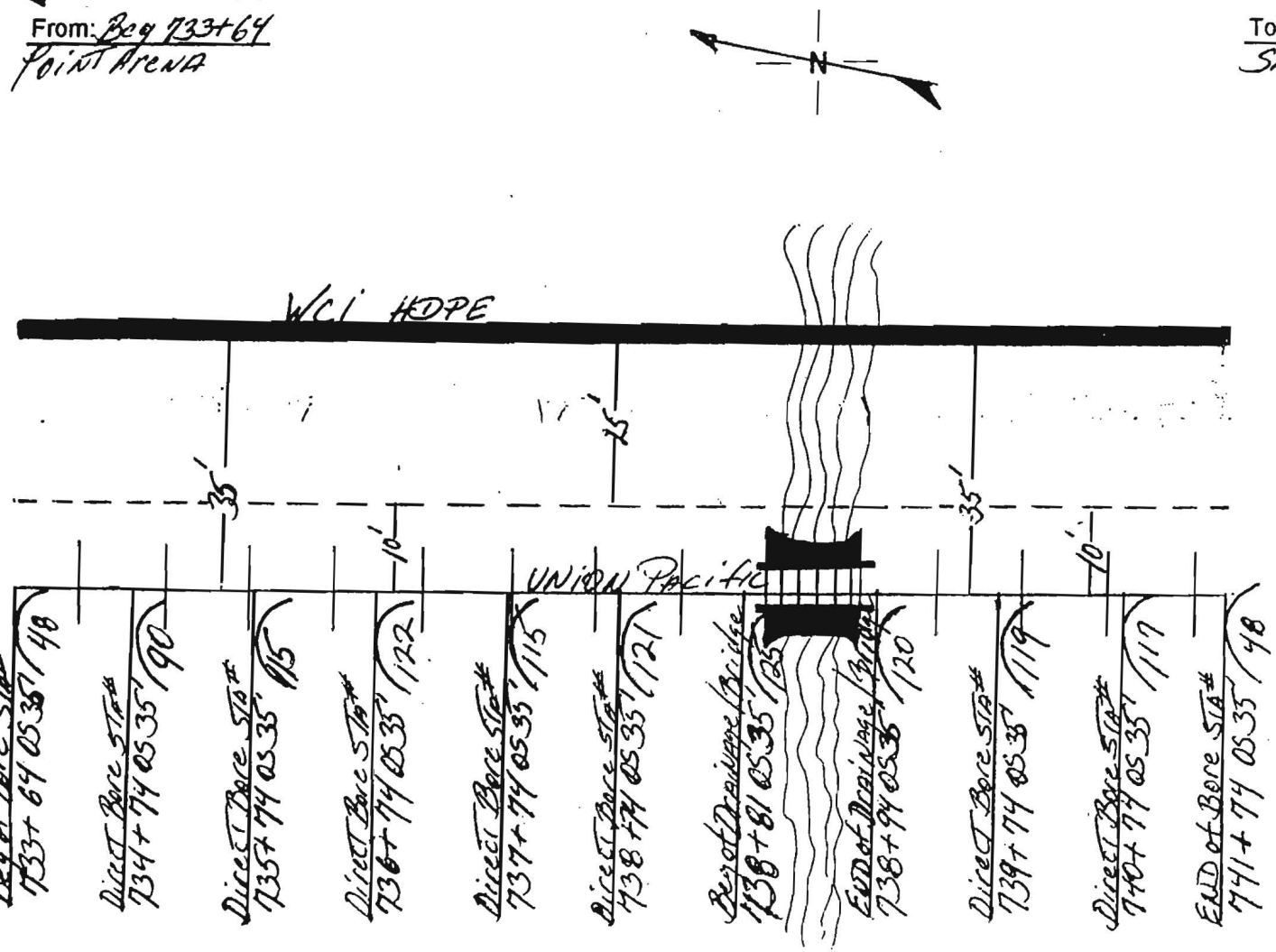
Contract No. 9991541-14

Page N of

Drawing #: 063 To 064

From: Beg 733+64 Point Arena

To: End 741+74 Sacramento



Notes: Direct Bore Assy. 11
Slick Bore / Williams HDPE 810'
W-JimTown-5, D/R JimTown-8 & W-JimTown-4

County: Sonoma

Duct Configuration: 2-1½-1-1¼

Contractor: Henkels & McCoy

Inspector: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	READ #:
11.27.00	4875	63-64	3

BEG BORE 733+64 35'0/5 48"

BORE 734+74 35'0/5 90"

BORE 735+74 35'0/5 122"

BORE 736+74 35'0/5 115"

BORE 737+74 35'0/5 115"

BORE 738+74 35'0/5 121"

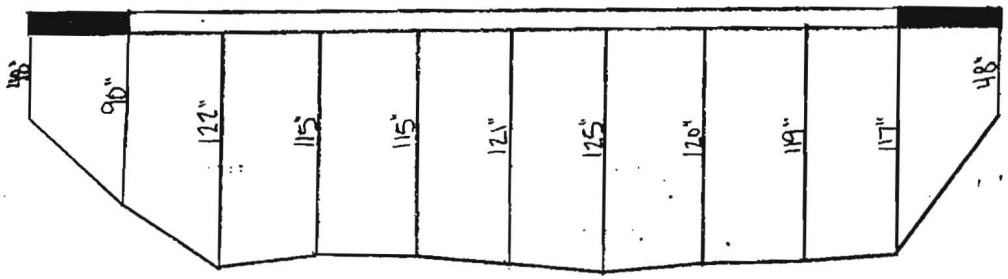
BORE 738+81 35'0/5 125"
BEG DRAINAGE/BRIDGE

BORE 738+94 35'0/5 120"
END DRAINAGE/BRIDGE

BORE 739+74 35'0/5 119"

BORE 740+74 35'0/5 117"

END BORE 741+74 35'0/5 48"



NOTES: 2-1.5 HDPE ORANGE-BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

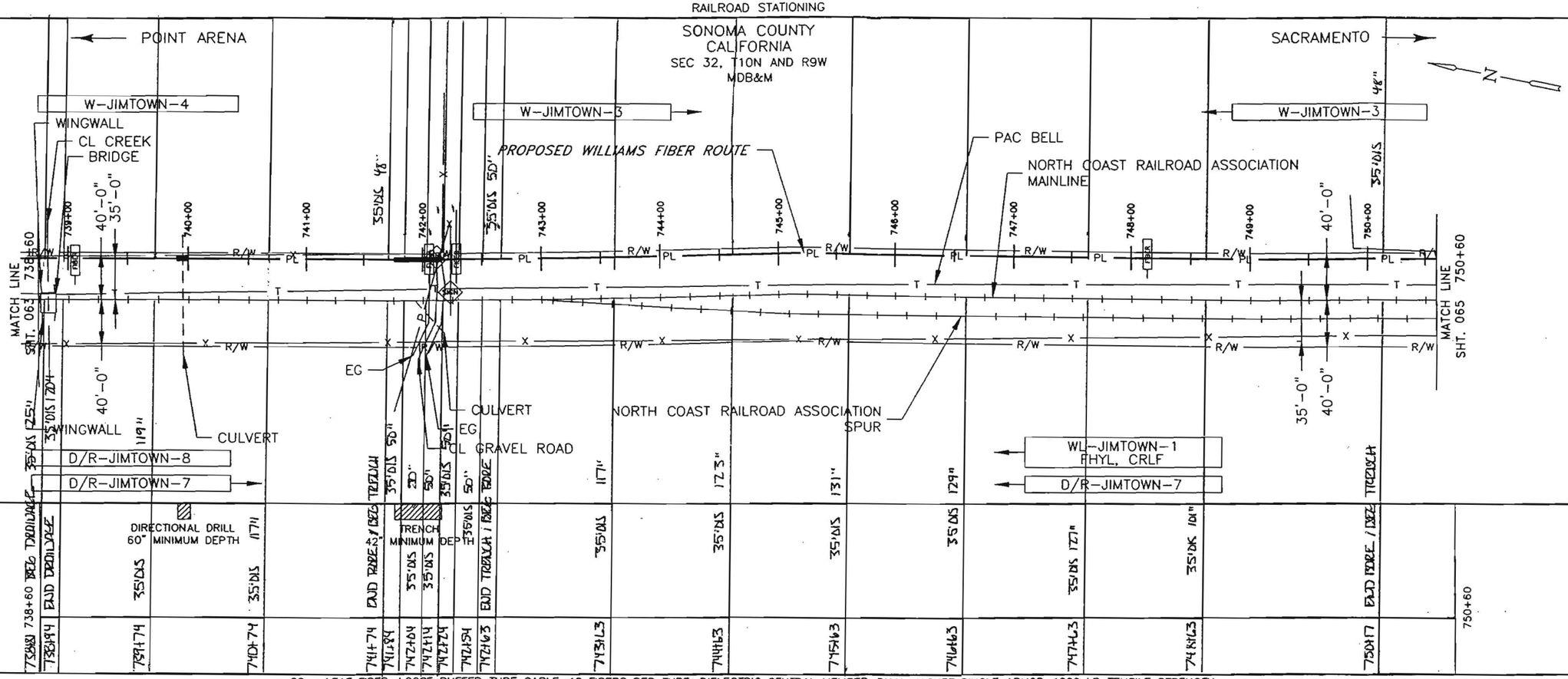
CONTRACTOR: HEINKELS

INSPECTOR: JEFF MCKOY

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

738+83 CL OF CREEK [3741+06.8, NCRRA]
739+06 FIBER MARKER 22' RT [3740+84.4, 13' RT NCRRA]
739+90 BEGIN STEEL PIPE [3740+02.7 NCRRA]
739+95 CULVERT [3739+97.8 NCRRA]
740+00 END STEEL PIPE [3739+92.9 NCRRA]
~~744+70 BEGIN STEEL PIPE~~
742+06 FIBER MARKER 19' RT [3738+21.7 NCRRA]
742+06 FIBER MARKER 19' RT [3737+92.5, 14' RT NCRRA]
742+12 CL OF ROAD [3737+86.7 NCRRA]
742+14 ROAD SIGN 16' RT [3737+84.7, 15' RT NCRRA]
~~742+16 END STEEL PIPE~~
742+24 ROAD SIGN 47' RT [3737+82.8 NCRRA]
742+24 POWER POLE 30' LT [3737+84.7, 13' LT NCRRA]
742+28 FIBER MARKER 20' RT [3737+84.7, 65' RT NCRRA]
743+00 POINT OF SWITCH [3737+71.1, 15 RT NCRRA]
748+14 FIBER MARKER 17' RT [3732+01, 18' RT NCRRA]

RAILROAD STATIONING



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)
10' - STEEL PIPE | 40' - STEEL PIPE

738+60	741+74	742+63	750+17
741+74	742+63	750+17	750+60
314'	89'	754'	43'
PBORE	TRENCH	SLICK BORE	TRENCH
2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE	1-1.25" HDPE
J MCKOY	J MCKOY	J MCKOY	J MCKOY
11_27_00	11_28_00	11_27_00	1_9_01
HBM -	HBM -	HBM -	HBM -

IN BLACK 1.25 HDPE
6.12 PD BY JR 9HITS 5.16.01

REV-1

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
- 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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-064-SPRD 4	

Williams

Williams Construction As-Built Documentation

Spread Location: Point Arena To Sac

Spread No. 3

AFE No. 4875

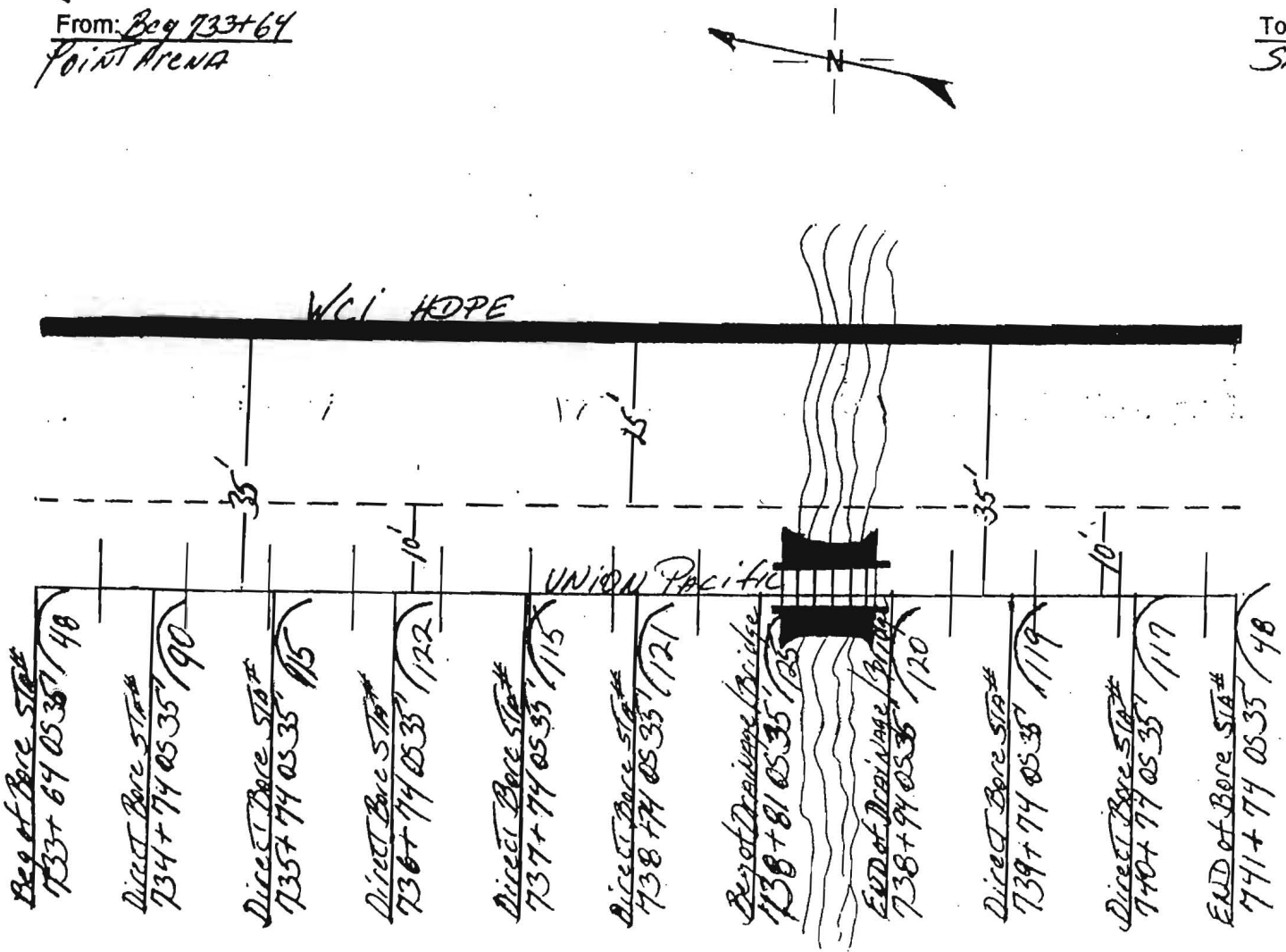
Contract No. 99P1541-14

Page No. 1 of

Drawing #: 063 To 064

From: Beg 733+64 Point Arena

To: End 741+74 Sacramento



Notes: Direct Bore Asbuilt Slick Bore/Williams HDPE 810' W-Jimtown-5, D/R Jimtown-8 & W-Jimtown-4	County: Sonoma	Contractor: Henkels & McCoy
	Duct Configuration: 2-1½-1-1¼	Inspector: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	AD #:
11.27.00	4875	63-64	3

BEL BORE 733+64 35'0/5 48"

BORE 734+74 35'0/5 90"

BORE 735+74 35'0/5 122"

BORE 736+74 35'0/5 115"

BORE 737+74 35'0/5 115"

BORE 738+74 35'0/5 121"

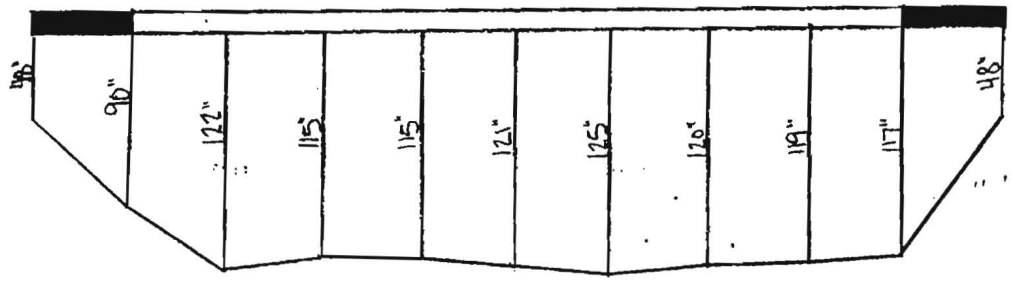
BORE 738+81 35'0/5 125"
BEL DRAINAGE/BRIDGE

BORE 738+94 35'0/5 120"
END DRAINAGE/BRIDGE

BORE 739+74 35'0/5 119"

BORE 740+74 35'0/5 117"

END BORE 744+74 35'0/5 48"



NOTES: 2-1.5 HDPE ORANGE-BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

INSPECTOR: JEFF MCKOY

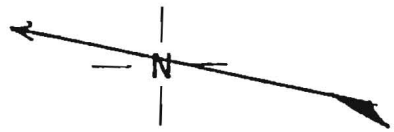
Williams Construction As-Built Documentation

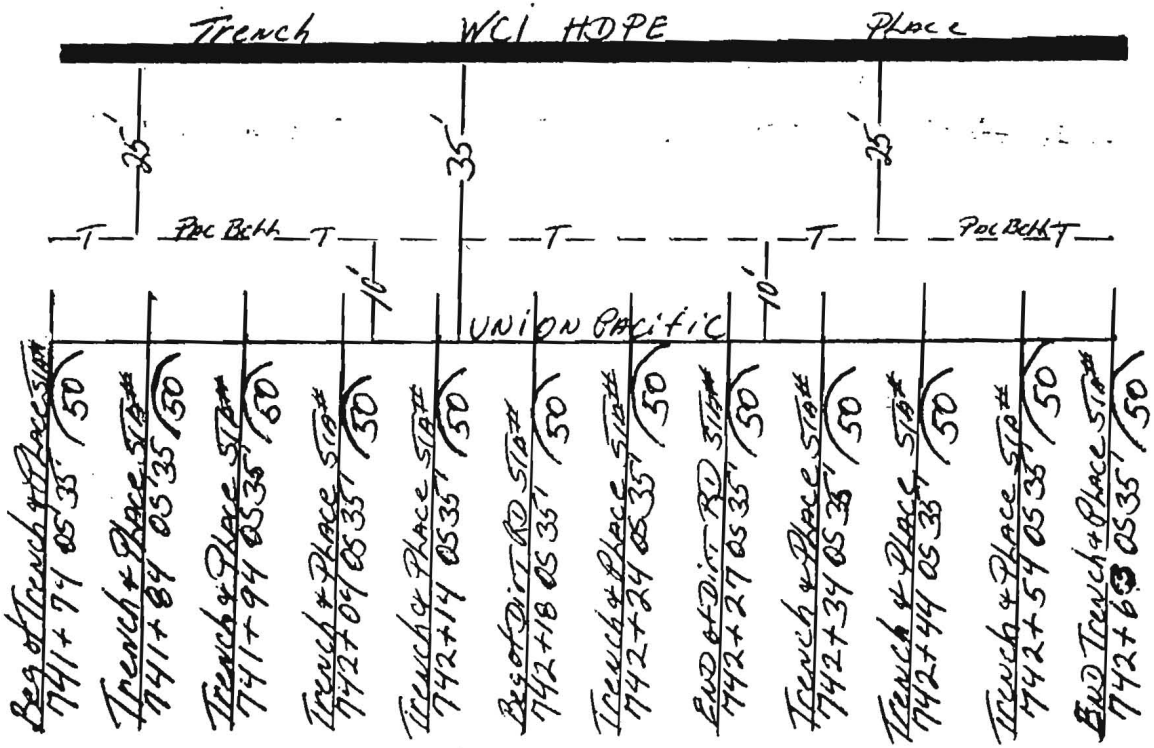
Spread Location: Point Arena To Sac
Spread No: 3
AFE No. 4643
Contract No. 99P15411-14

Page No. 1
Drawing #: 064

From: Beg # 741+74 Point Arena

To: End # 742+63 Sacramento





Notes: Trench & Place ASbuilt - Footage 90'

County: Sonoma

Duct Configuration: 2-1½-1-1¼

Contractor: Henkels & McCoy

Inspector: Jeff D McKoy

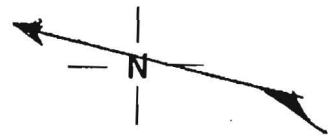
Williams Construction As-Built Documentation

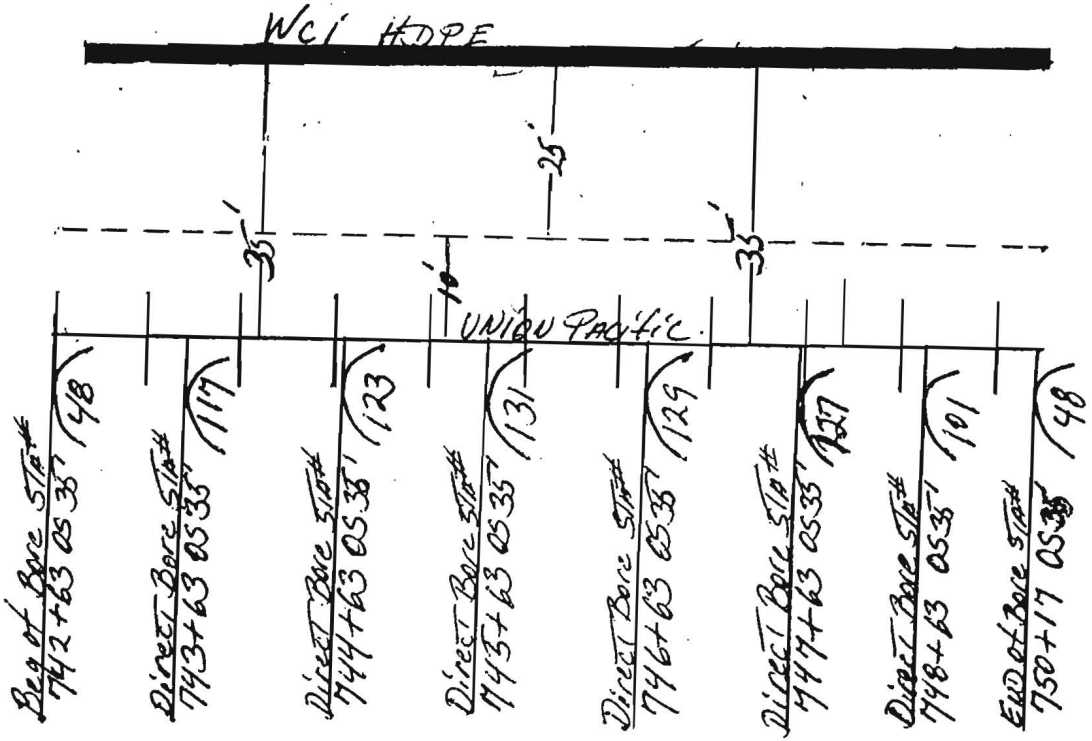
Spread Location: Arena to Sac
Spread No. #3
AFE No. 4675
Contract No. 9991541-14

Date: 11-21-06
Page No. 1
Drawing #: 064

From: Beg 742+63 Point Arena

To: End 730+17 Sacramento





Notes: Direct Bore As built
Slick Bore / Williams HDPE 754'
W-Jintown-3 WETLAND

County: SONOMA

Duct Configuration: 2-1½-1-1¼

Contractor: Henkels & McCoy

Inspector: Jeff D McKoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	AREA #:
11.27.00	4875	064	3

BEL BORE 741463 35'0/5 48"

BORE 743463 35'0/5 117"

BORE 744463 35'0/5 123"

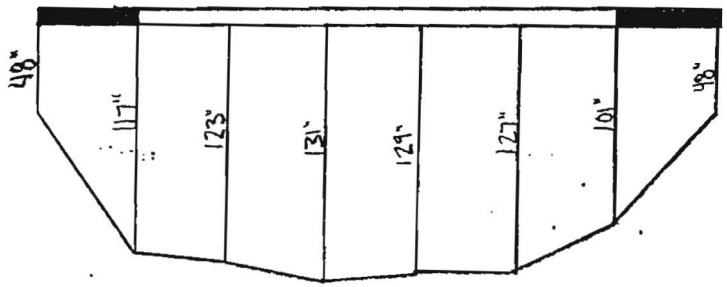
BORE 745463 35'0/5 131"

BORE 746463 35'0/5 129"

BORE 747463 35'0/5 127"

BORE 748463 35'0/5 101"

ENDBORE 750417 35'0/5 48"



NOTES:	COUNTY:	CONTRACTOR:
2-1.5 HDPE ORANGE, BLUE 1-1.25 HDPE BLACK	SONOMA	HEINKELS
	DUCT CONFIGURATION:	INSPECTOR: JEFF MCKOY

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

751+48 MARKER POLE 37'01S LT

753+04 FIBER MARKER 9' LT [3727+24.3, 45' RT NCRRA]
753+14 FIBER MARKER 21' RT [3727+14.5, 14' RT NCRRA]

755+77 BEGIN STEEL PIPE [3724+58.7 NCRRA]
755+88 GAS LINE [3724+47.9 NCRRA]
755+99 END STEEL PIPE [3724+37.2 NCRRA]
756+04 NCRRA R/W CHANGE [3725+29.7 NCRRA]

757+59 FIBER MARKER 5' RT [3722+81.6, 30' RT NCRRA]
757+85 POWER POLE 11' RT [3699+82.8, 34' RT NCRRA]

758+13 FIBER MARKER 29' RT [3722+29, 7' RT NCRRA]

758+19 MARKER POLE 37'01S LT

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 5, T9N AND R9W
MDB&M

SACRAMENTO

W-JIMTOWN-3

PROPOSED WILLIAMS FIBER ROUTE

PAC BELL

NORTH COAST RAILROAD ASSOCIATION MAINLINE

NORTH COAST RAILROAD ASSOCIATION SPUR

MATCH LINE SHT. 064 750+60

MATCH LINE SHT. 066 762+60

20'01S 48"

40'-0" 35'-0" 140'-0" 35'-0" 140'-0" 40'-0"

751+00 752+00 753+00 754+00 755+00 757+00 758+00 759+00 760+00 761+00 762+00

FIBER

R/W T X G

4'8" 48" 4'8" 4'8" 4'8"

EWD TRENCH / BORE/PLOW

20'01S HAND DIG 42" MINIMUM DEPTH 20'01S 20'01S 20'01S

750+60 751+48 753+48 755+48 757+48 759+48 762+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)

22' – STEEL PIPE

750+60	751+48
751+48	762+60
88'	1117'
TRENCH	PLOW
2-1.5" HDPE	2-1.5" HDPE
1-1.25" HDPE	1-1.25" HDPE
J MOODY	J MOODY
1-9-01	9-9-00
1100'	1100'

INNERDUCT 1.25 HDPE

6of12 PD BY JR SMITS 5-16-01

REV-1

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./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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 :	MTW	DATE : 08/02/00
CHECKED BY :	KDB	DATE : 08/02/00
APPROVED BY :		DATE :
APPROVED BY :		DATE :
AFE :	4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'	
VERTICAL SCALE (DWG) :	1"=100'	
VERTICAL SCALE (PROF) :	1"=100'	
MAP PROJECTION :	MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-065-SPRD 4

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

DESCRIPTION: Plow

SPREAD: 3N

CONTRACTOR: H & M INSPECTOR: Kenny Strickland DATE: 9-8-00

DWG.:# LOCATION:

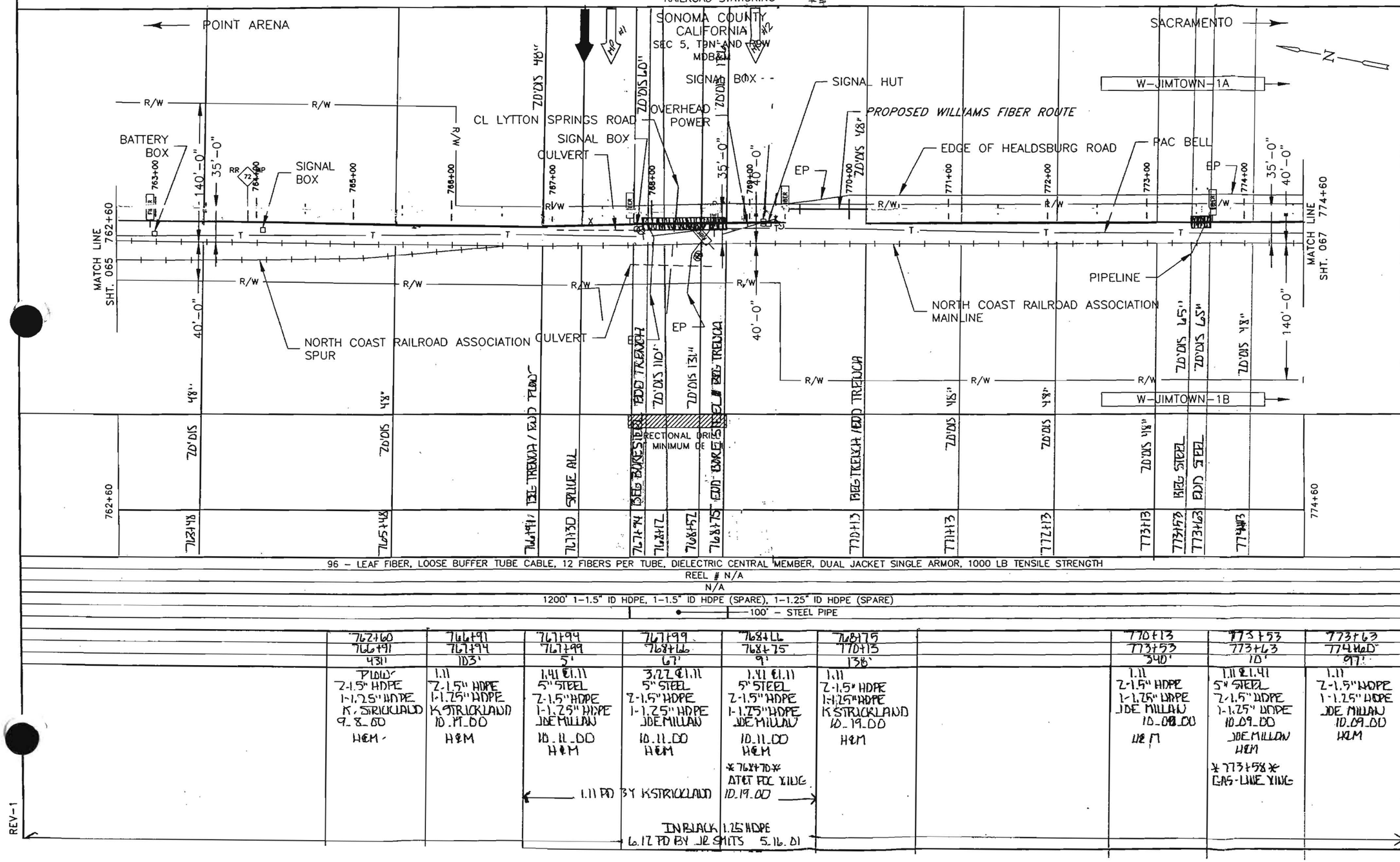
STATION:	OFFSET:	DEPTH:	NOTES:
751+48	70'O/S	48"	Start Plow
753+48	20'O/S	48"	
755+48	20'O/S	48"	
757+48	20'O/S	48"	
759+48	20'O/S	48"	
761+48	20'O/S	48"	
763+48	20'O/S	48"	
765+48	20'O/S	48"	
766+91	20'O/S	48"	End Plow

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

762+95 FIBER MARKER 20' RT [3717+60.1, 14' RT NCRRA]
763+91 RR MILE MARKER 72 [3716+66.7 NCRRA]
766+04 NCRRA R/W CHANGE [3714+60.2 NCRRA]
767+38 POWER POLE 9' RT [3713+30.3, 25' RT NCRRA]
767+75 BEGIN STEEL PIPE [3712+94.5 NCRRA]
767+78 FIBER MARKER 15' RT [3712+91.6, 20' RT NCRRA]
768+25 CL OF ROAD [3712+46 NCRRA]
768+75 END STEEL PIPE [3711+97.5 NCRRA]
769+26 POWER POLE 10' RT [3711+48.1, 25' RT NCRRA]
769+32 GUY WIRE 17' RT [3711+42.3, 18' RT NCRRA]
769+35 FIBER MARKER 10' RT [3711+39.4, 25' RT NCRRA]
773+66 FIBER MARKER 14' RT [3707+21.6, 21' RT NCRRA]

RAILROAD STATIONING



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)
100' – STEEL PIPE

762+60	766+91	767+94	767+99	768+11	768+75		770+13	773+53	773+63
766+91	767+94	767+99	768+66	768+75	770+13		773+53	773+63	774+60
431'	103'	5'	67'	9'	136'		340'	10'	97'
PLOW 2-1.5" HDPE 1-1.25" HDPE K. STRICKLAND 9_8_00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 10_11_00 H&M	1.41 & 1.11 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JDE MILLAN 10_11_00 H&M	3.22 & 1.11 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JDE MILLAN 10_11_00 H&M	1.41 & 1.11 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JDE MILLAN 10_11_00 H&M *768+70* AT&T PDC XING 10_19_00	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 10_19_00 H&M		1.11 2-1.5" HDPE 1-1.25" HDPE JDE MILLAN 10_09_00 H&M	1.11 & 1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE 10_09_00 JDE MILLAN H&M *773+58* GAS LINE XING	1.11 2-1.5" HDPE 1-1.25" HDPE JDE MILLAN 10_09_00 H&M

1.11 PD BY K STRICKLAND 10_19_00

IN BLACK 1.25" HDPE
6.12 PD BY JE SMITS 5_16_01

REV-1

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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1-888-265-2283

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1-800-227-2600

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-066-SPRD 4

Williams Project
POINT ARENA TO SACRAMENTO
CABLE ROUTE
As-Built Information

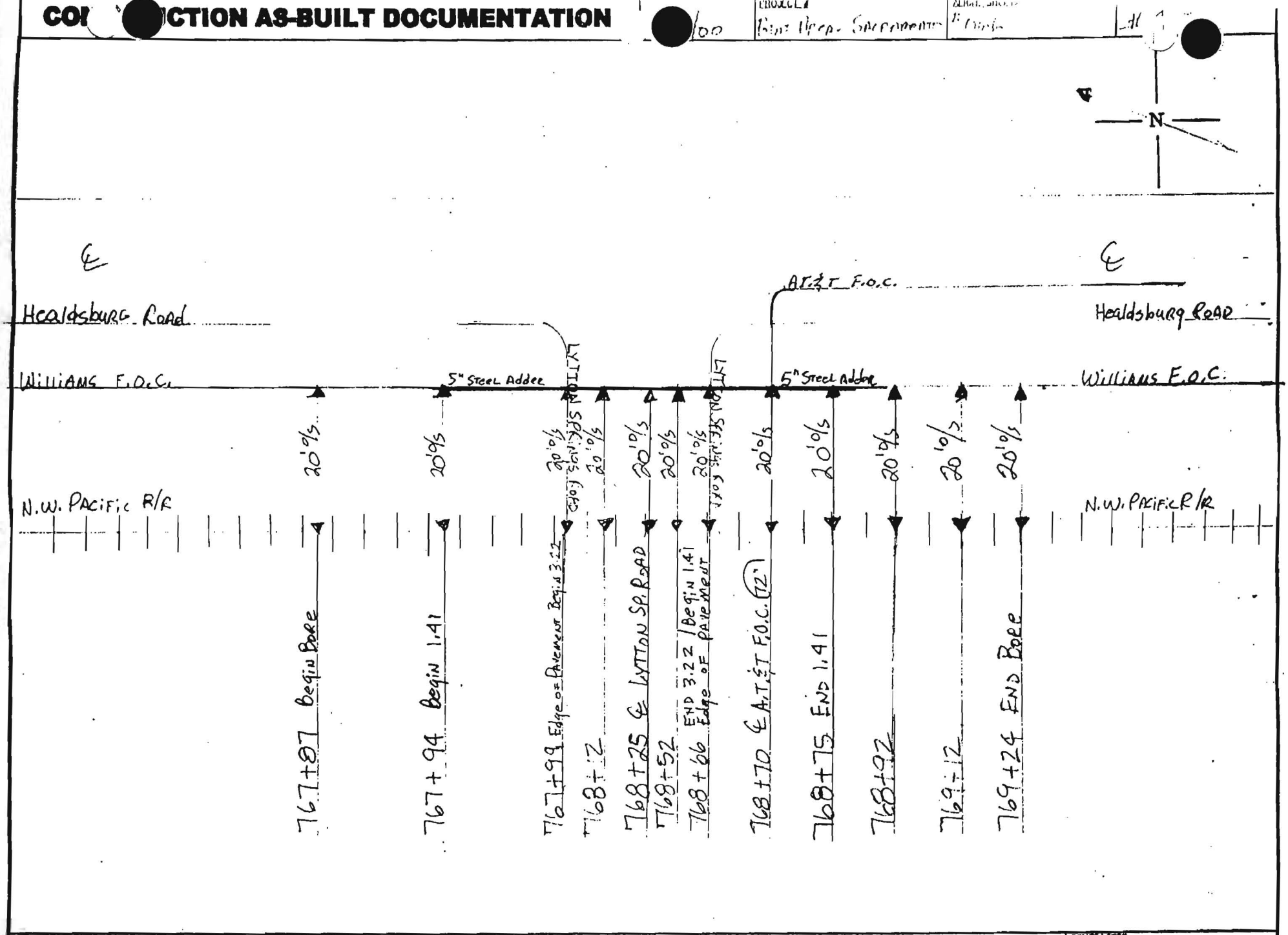
DESCRIPTION: Plow | SPREAD: 3N

CONTRACTOR: HJM | INSPECTOR: Kenny Strickland | DATE: 9-8-00

DWG.:# | LOCATION:

STATION:	OFFSET:	DEPTH:	NOTES:
751+48	20'0/s	48"	Start Plow
753+48	20'0/s	48"	
755+48	20'0/s	48"	
757+48	20'0/s	48"	
759+48	20'0/s	48"	
761+48	20'0/s	48"	
763+48	20'0/s	48"	
765+48	20'0/s	48"	
766+91	20'0/s	48"	End Plow

CONSTRUCTION AS-BUILT DOCUMENTATION



NOTES:
INSPECT INSTALLATION OF STEEL ADDER FROM STA.# 767+87 TO STA.# 769+24 FOR A TOTAL FOOTAGE 137' BORE WITH [illegible] STEEL ADDER

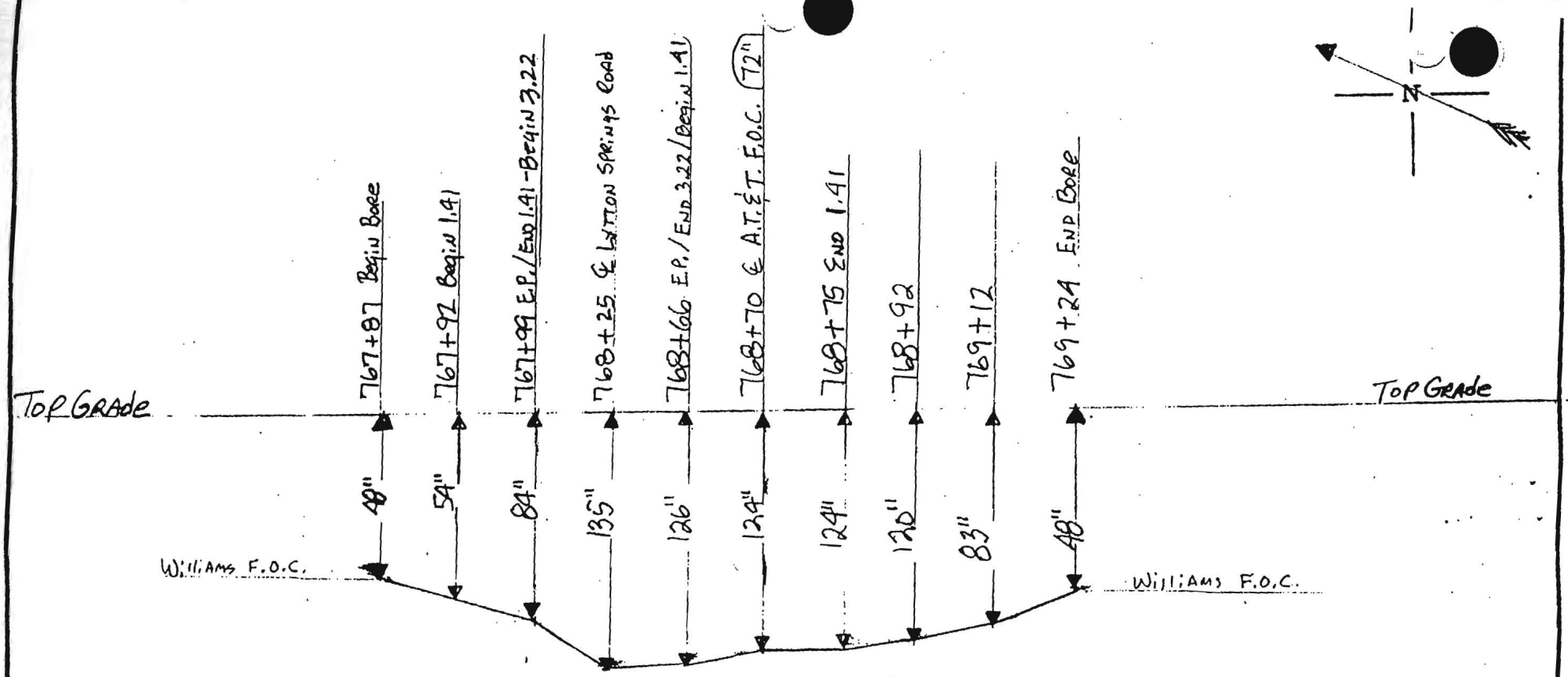
COUNTY: SONOMA

DUCT CONFIGURATION: 2x1.5 & 1x1.25 HDPE

CONTRACTOR: HENKELS & McCOY

INSPECTOR: JOE MILIAN

CONSTRUCTION AS-BUILT DOCUMENTATION



NOTES: Inspect installation of 5" Steel Adder / For Bore Across Lytton Springs Road Note: No inner duct installed as of this date	COUNTY: Sonoma
	DUCT CONFIGURATION: 2x1.5 & 1x1.75 HDPE
	CONTRACTOR: Hencels & McCoy
	INSPECTOR: Joe Millan

Williams

WILLIAMS COMUNICATIONS

PROFILE SHEET

DESCRIPTION: Inspect Directional Bore With Steel Adder –

CONTRACTOR: Henkels & McCoy

INSPECTOR: Joe Millan

DATE: 10/11/00

DWG# #066

LOCATION: Lytton Springs Road & N.W. Pacific R/R Crossing

STATION	OFFSET	DEPTH	NOTES
767+87	20'o/s	48"	Begin Bore (1/2 Rod)
767+92	20'o/s	54"	(End of last Rod)
767+94	20'o/s	60"	Begin 1.41
767+99	20'o/s	84"	End 1.41 - Begin 3.22 - Edge of Pavement
768+02	20'o/s	84"	
768+12	20'o/s	110"	
768+22	20'o/s	127"	
768+25	20'o/s	130"	℄ of Lytton Springs Road
768+32	20'o/s	135"	
768+42	20'o/s	135"	
768+52	20'o/s	131"	
768+62	20'o/s	126"	
768+66	20'o/s	129"	End 3.22 / Begin 1.41 - Edge of Pavement
768+70	20'o/s	124"	℄ of A.T.&T F.O.C. @ 72" depth
768+75	20'o/s	126"	End 1.41 -
768+82	20'o/s	127"	
768+92	20'o/s	120"	
769+02	20'o/s	104"	
769+12	20'o/s	83"	
769+22	20'o/s	64"	
769+24	20'o/s	48"	End Bore

Williams

WILLIAMS COMUNICATIONS

PROFILE SHEET

DESCRIPTION: TNP 2x1.5 & 1x1.25 HDPE

CONTRACTOR: Henkels & McCoy

INSPECTOR: Joe Millan

DATE: 10/09/00

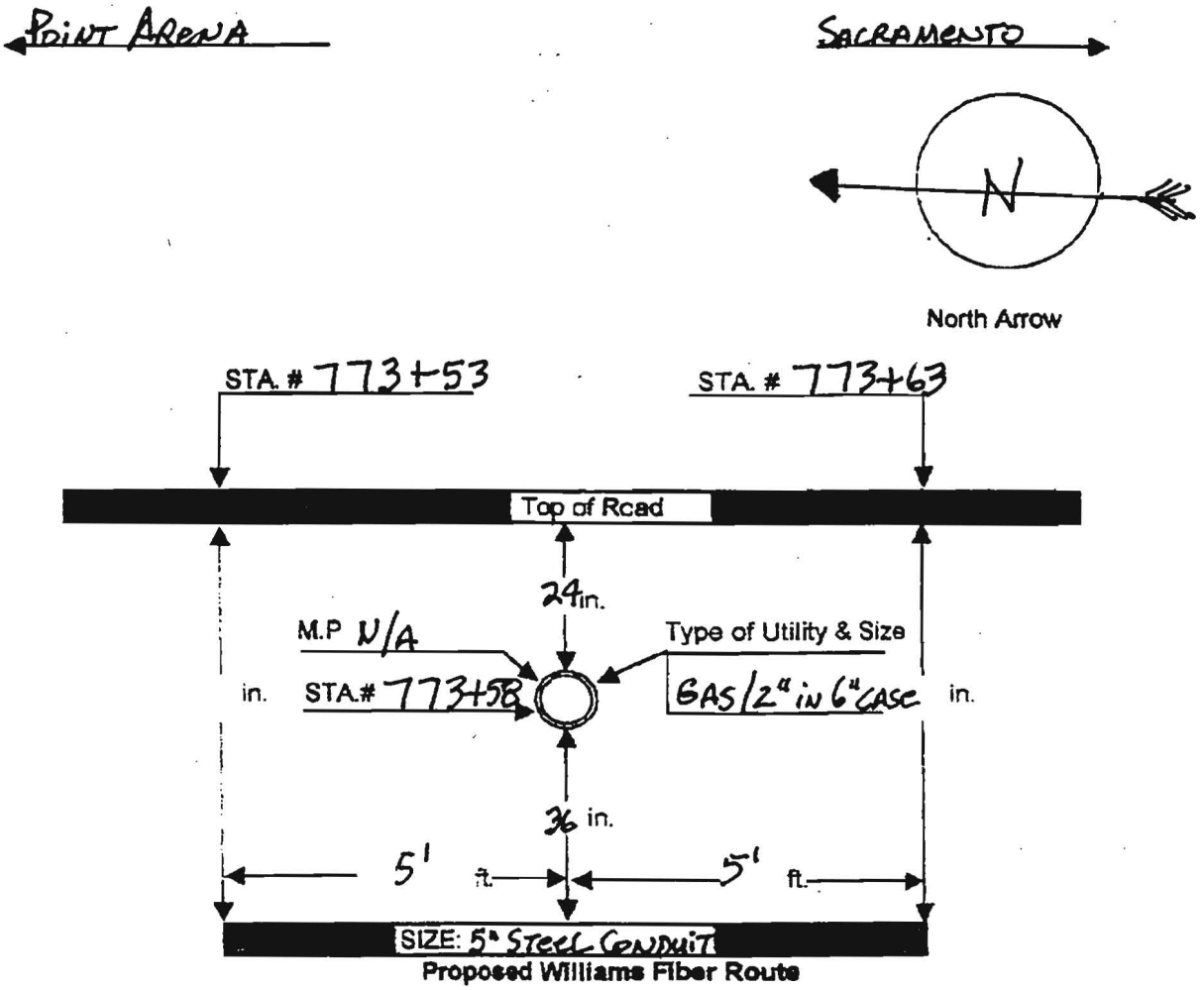
DWG#: 066 & 067

LOCATION: N.W. Pacific R/R

STATION	OFFSET	DEPTH	NOTES
770+13	20'o/s	48"	Begin Trench / HDPE
771+13	20'o/s	48"	
772+13	20'o/s	48"	
773+13	20'o/s	48"	
773+53	20'o/s	65"	Begin 5" Steel & 1.41
773+58	20'o/s	65"	& 2" Gas line in 6" Steel Casing
773+63	20'o/s	65"	End 5" Steel & 1.41
774+13	20'o/s	48"	
775+13	20'o/s	48"	
776+13	20'o/s	48"	
776+15	20'o/s	48"	End Trench / HDPE

WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING



DATE: 10/09/00	TYPE OF CROSSING: GAS
COUNTY: SONOMA	CONTRACTOR: HENKELS & McCOY
ALIGN. SHT.# 066 & 067	INSPECTOR: JOE MILLAN
PROJECT: POINT ARENA TO SACRAMENTO	

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

#1 7716+01 MARKER POLE 34'0/S LT

#2 7834+13 MARKER POLE 35'0/S LT

RAILROAD STATIONING

SONOMA COUNTY
CALIFORNIA
SEC 4, T9N AND R9W
MDB&M

POINT ARENA

SACRAMENTO

N

W-JIMTOWN-1A

W-JIMTOWN-1A

EDGE OF HEALDSBURG ROAD

PAC BELL

PROPOSED WILLIAMS FIBER ROUTE

CULVERT

HEADWALL

EP

EP

20'0/S 48"

20'0/S 48"

20'0/S 150"

MATCH LINE SHT. 066 774+60

MATCH LINE SHT. 068 786+60

40'-0" 35'-0" 40'-0"

140'-0"

775+00 776+00 777+00 778+00 779+00 780+00 781+00 782+00 783+00 784+00 785+00 786+00

R/W

T

X

NORTH COAST RAILROAD ASSOCIATION MAINLINE

HEADWALL

OVERHEAD POWER

W-JIMTOWN-1B

D-JIMTOWN-5

W-JIMTOWN-1B

20'0/S 48' | 20'0/S 95' | 20'0/S 82" | 20'0/S 87" | 20'0/S 87' | 20'0/S 105" | 20'0/S 115" | 20'0/S 110" | 20'0/S 114" | 20'0/S 80" | 20'0/S 94" | 20'0/S 126" | 20'0/S 131" | 20'0/S 150" | 20'0/S 180" | 20'0/S 191" | 20'0/S 197" | 20'0/S 189" | 20'0/S 152" | 20'0/S 95" | 20'0/S 48"

DIRECTIONAL DRILL 60' MINIMUM DEPTH

DIRECTIONAL DRILL DEPTH

774+60	775+13	776+15	EXIST FENCE	776+65	777+10	777+40	778+18	778+60	779+10	779+60	780+10	780+60	781+10	781+60	782+10	782+60	782+80	782+96	783+10	783+15	783+34	783+70	784+10	784+34	EXIST FENCE	786+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)

25' - STEEL PIPE

774+60	776+15	784+34
776+15	784+34	786+60
155'	819'	276'
1.11 2-1.5" HDPE 1-1.25" HDPE JOE MILLAN 10_09_00 HEM	SLACK BORE 2-1.5" HDPE 1-1.25" HDPE JEFF MURDY 07.06.01 HEM	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 10_13_00 HEM

REV-1

IN BLACK 1.25" HDPE

DRILL 6.17 PD BY JR SMITS 5.16.01

1.25 INNER DUCT

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./JCL
- 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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1-888-265-2283

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 07/10/00
CHECKED BY : KDB	DATE : 07/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-067-SPRD 4

Williams

WILLIAMS COMUNICATIONS

PROFILE SHEET

DESCRIPTION: TNP 2x1.5 & 1x1.25 HDPE

CONTRACTOR: Henkels & McCoy

INSPECTOR: Joe Millan

DATE: 10/09/00

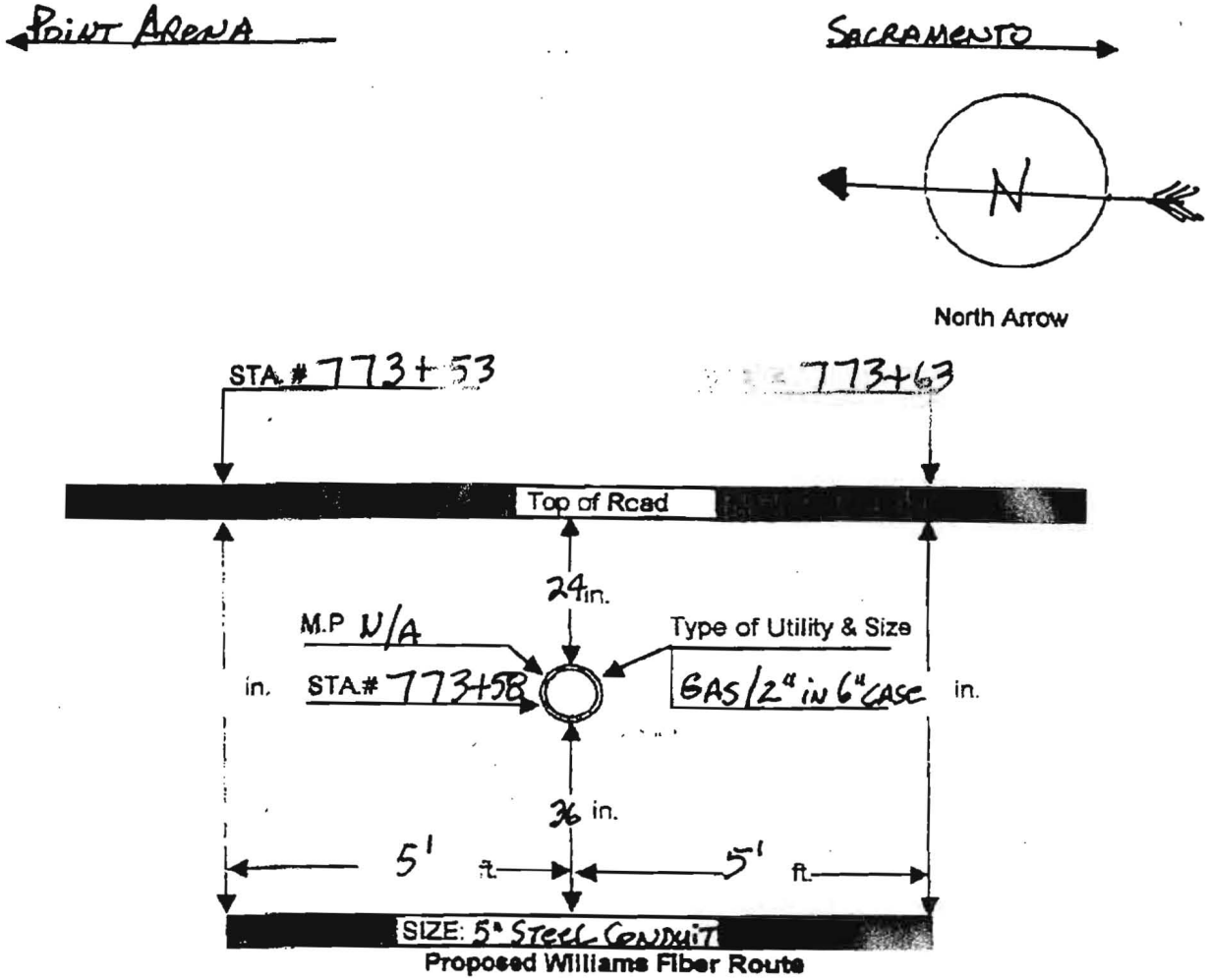
DWG#: 066 & 067

LOCATION: N.W. Pacific R/R

STATION	OFFSET	DEPTH	NOTES
770+13	20'o/s	48"	Begin Trench / HDPE
771+13	20'o/s	48"	
772+13	20'o/s	48"	
773+13	20'o/s	48"	
773+53	20'o/s	65"	Begin 5" Steel & 1.41
773+58	20'o/s	65"	& 2" Gas line in 6" Steel Casing
773+63	20'o/s	65"	End 5" Steel & 1.41
774+13	20'o/s	48"	
775+13	20'o/s	48"	
776+13	20'o/s	48"	
776+15	20'o/s	48"	End Trench / HDPE

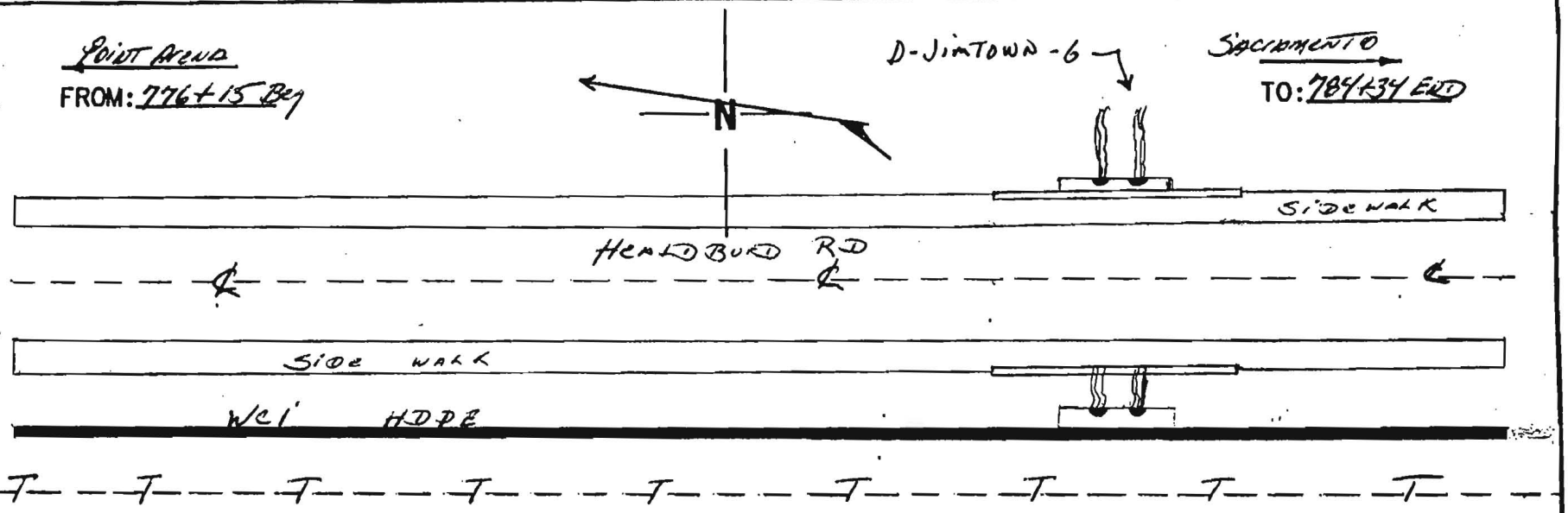
WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING



DATE: 10/09/00	TYPE OF CROSSING: GAS
COUNTY: SONOMA	CONTRACTOR: HENKELS & McCOY
ALIGN. SHT.# 066 & 067	INSPECTOR: JOE MILLAN
PROJECT: POINT ARENA TO SACRAMENTO	

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	02-6-01	4875	067	6TH



Beg Direct Bore Sta# 776+15 OS 20' (148)
Direct Bore Sta# 776+65 OS 20' (96)
Direct Bore Sta# 777+10 OS 20' (83)
Direct Bore Sta# 777+60 OS 20' (87)
Direct Bore Sta# 778+10 OS 15' (87)
Direct Bore Sta# 778+60 OS 15' (105)
Direct Bore Sta# 779+10 OS 15' (115)
Direct Bore Sta# 779+60 OS 15' (110)
Direct Bore Sta# 780+10 OS 15' (114)
W
Direct Bore Sta# 780+60 OS 20' (180)
P
Direct Bore Sta# 781+10 OS 20' (194)
R X R
Direct Bore Sta# 781+60 OS 20' (176)
Direct Bore Sta# 782+10 OS 20' (131)
Direct Bore Sta# 782+60 OS 20' (150)
Beg of Linear Wall Sta# 782+80 OS 20' (180)
Beg of Drain/Culvert Sta# 782+96 OS 20' (180)
Direct Bore Sta# 783+10 OS 20' (191)
End of Drain/Culvert Sta# 783+15 OS 20' (191)
End of Linear Wall Sta# 783+29 OS 20' (189)
Direct Bore Sta# 783+60 OS 20' (152)
Direct Bore Sta# 784+10 OS 20' (195)
End of Bore Sta# 784+34 OS 20' (148)

NOTES: Direct Bore As-Built of Jimtown 1-A Drainage & Culverts. D-Jimtown-6	COUNTY: Sonoma	CONTRACTOR: Henkels & McCoy
	DUCT CONFIGURATION: 2-1½-1-1¼ HDPE	INSPECTOR: Jeff D McKoy

Williams Construction

Spread Location: [illegible] Arena To Sac

Spread No. [illegible]

AFE No. 4875

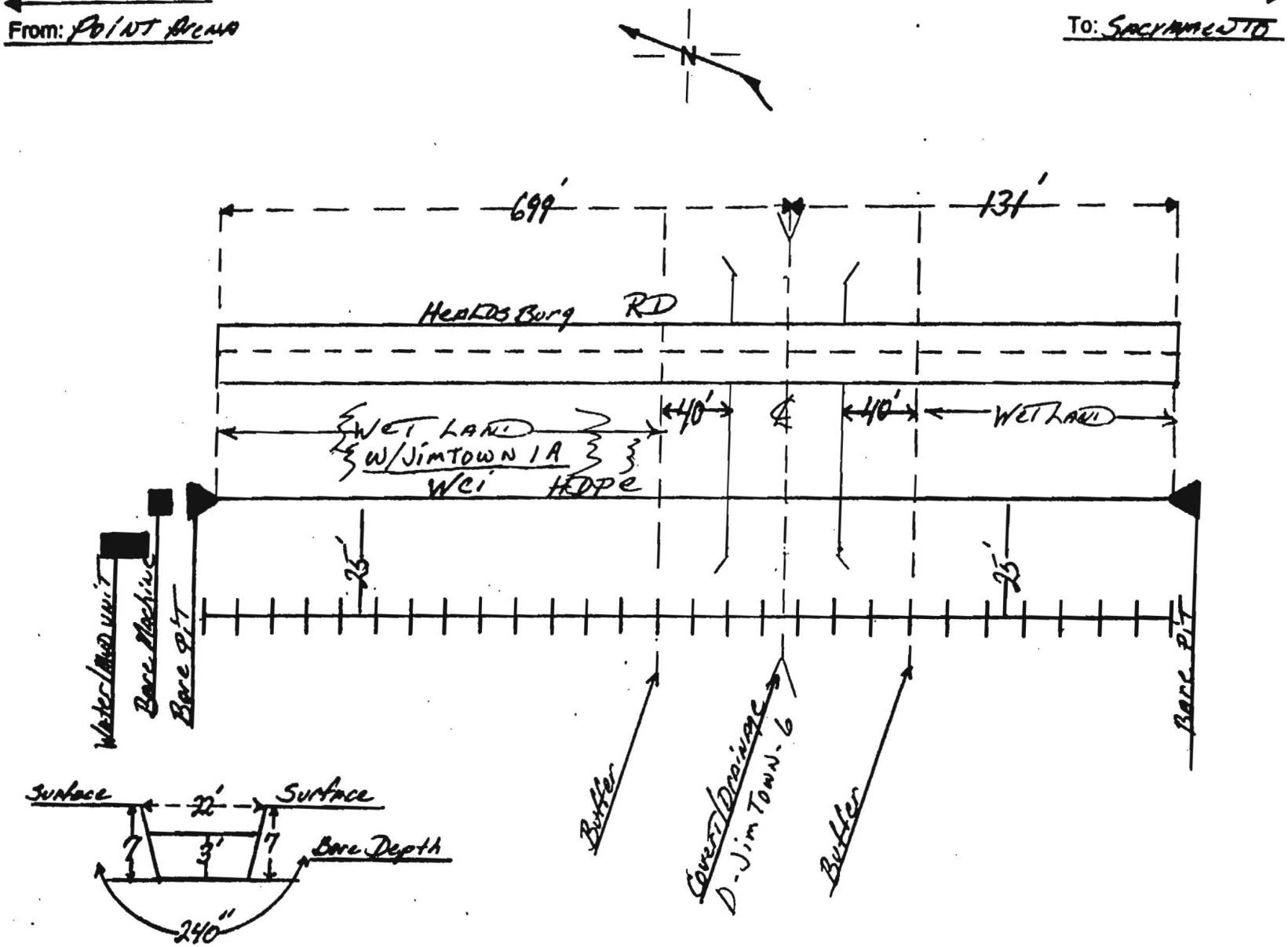
Contract No. 99P1541-14

Page No [illegible]

Drawing #: 067

From: Point Arena

To: Sacramento



Notes: Bore Plan - D-Jimtown-6 & W/Jimtown 1A Kleinfelder Recommendation in Winter Season per DFG Footage 830'	County: Sonoma	Contractor: Henkels & McCoy
	Duct Configuration: 2-1½-1-1¼	Inspector: Jeff D McKoy

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
784+34	20'	48"		START TRENCH
786+34	20'	48"		
788+45	20'	48"		END TRENCH
788+45	20'			START TRENCH
790+45	20'			
792+30	20'			END TRENCH

DATE: 10-11-00
COUNTY: SONOMA
ALIGN. SHT. #

CONTRACTOR: HINKELS & McCOY
INSPECTOR: KENNY STRICKLAND
PROJECT: 99 D1541-14 3N

Williams

WILLIAMS COMUNICATIONS

PROFILE SHEET

DESCRIPTION: Inspect TNP 2x1.5 & 1x1.25 HDPE

CONTRACTOR: Henkels & McCoy | INSPECTOR: Joe Millan | DATE: 10/10/00

DWG#: # 068 | LOCATION: N.W. Pacific R/A

STATION	OFFSET	DEPTH	NOTES
792+30	30'o/s	48"	Begin Trench / HDPE
793+30	30'o/s	48"	
794+30	30'o/s	48"	
795+30	30'o/s	48"	
796+30	30'o/s	48"	
797+30	30'o/s	48"	
797+84	30'o/s	48"	End Trench / HDPE
			Note: Sta.# 792+81 - on Alignment Sheet shows Culvert: Does not Exist:
			Note: Sta.# 793+31 - on Alignment Sheet shows Culvert: Does not Exist:

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

787+16 FIBER MARKER 25' RT [3694+13 NCRRA]

792+18 FIBER MARKER 21' RT [3689+26.4, 13' RT NCRRA]

792+81 CULVERT [3688+65.3 NCRRA]

793+31 CULVERT [3688+16.8 NCRRA]

792+13 MARKER POLE 350 LT.

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY CALIFORNIA SEC 4, T9N AND R9W MDB&M

SACRAMENTO

N

PROPOSED WILLIAMS FIBER ROUTE

NORTH COAST RAILROAD ASSOCIATION MAINLINE

CULVERT [DOES NOT EXIST]

PAC BELL

EDGE OF HEALDSBURG ROAD

EP

EP

20'D/S 45"

30' D/S 48"

30'D/S 48"

MATCH LINE SHT. 067 786+60

MATCH LINE SHT. 069 798+60

787+00 788+00 789+00 790+00 791+00 792+00 793+00 794+00 795+00 796+00 797+00 798+00

40'-0" 35'-0" 35'-6" 40'-0" 39'-4"

R/W T FIBER

CULVERT [DOES NOT EXIST]

786+60 788+45 790+45 792+30 793+30 794+30 795+30 796+30 797+30 797+84 798+60

20'D/S 48" T&E TRENCH/BED TRENCH

20'D/S 48" B&E TRENCH/BED TRENCH

30'D/S 48" DIRECTIONAL DRILL 60" MIN DEPTH

30'D/S 48" DIRECTIONAL DRILL 60" MIN DEPTH

30'D/S 48"

30'D/S 48"

30'D/S 48"

30'D/S 48"

30'D/S 48" 1 B&E TRENCH

30'D/S 48" BED TRENCH

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)

12' - STEEL PIPE — 12' - STEEL PIPE

786+60	788+45	792+30	797+84
788+45	792+30	797+84	798+60
185'	385'	554'	76'
1.11 Z-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_13_DD H&M -	1.11 Z-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_11_DD H&M	1.11 Z-1.5" HDPE 1-1.25" HDPE JDE MILLAR ID_10_DD H&M	1.11 Z-1.5" HDPE 1-1.25" HDPE JDE MILLAR ID_10_DD H&M

IN BLACK 1.25" HDPE LAST PD BY JR ENGS 5_16_01

REV-1

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 1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-068-SPRD 4

Williams

WILLIAMS COMUNICATIONS

PROFILE SHEET

DESCRIPTION: Inspect TNP of 2X1.5 & 1X1.25 HDPE

CONTRACTOR: Henkels & McCoy

INSPECTOR: Joe Millan

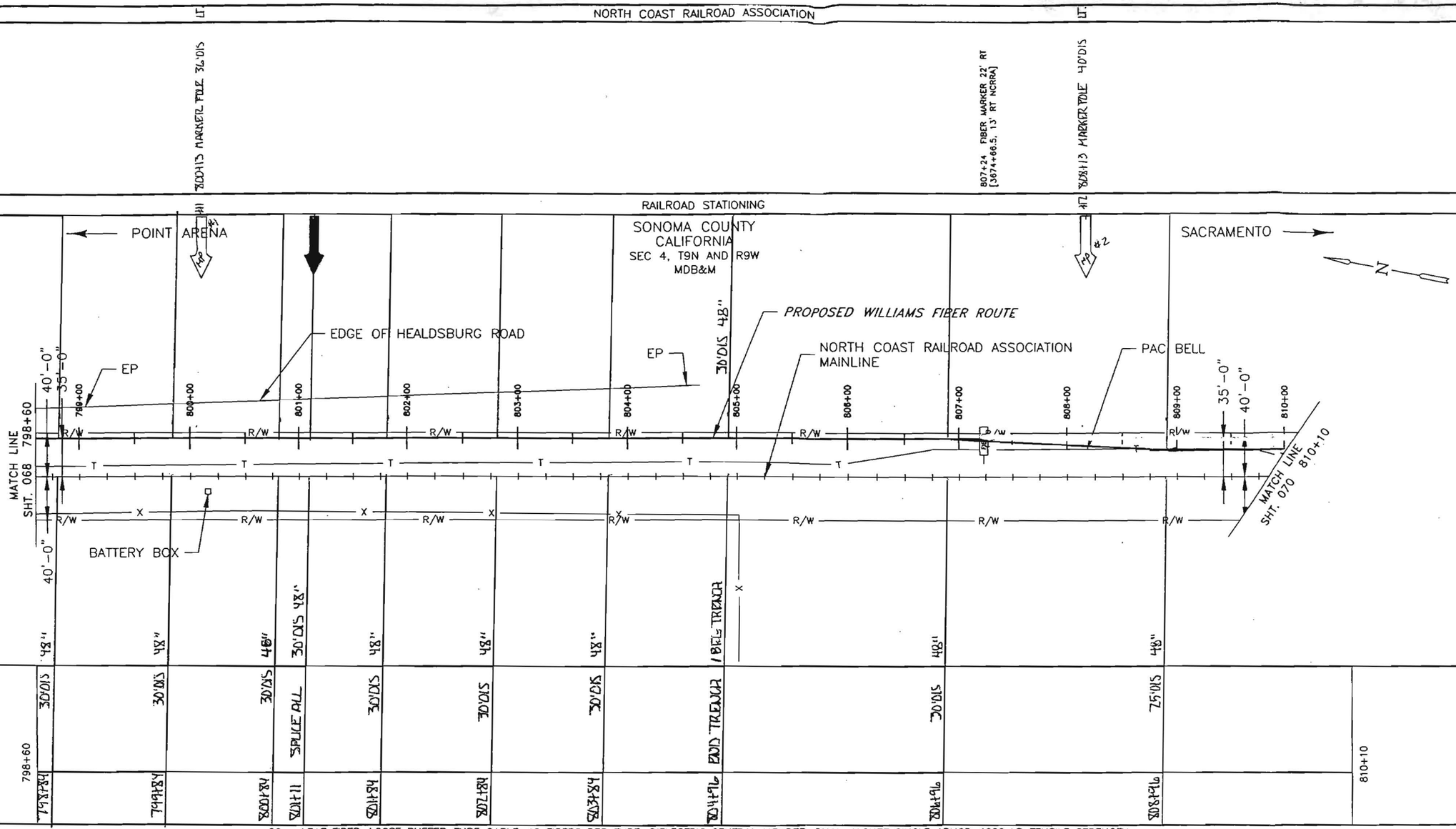
DATE: 10/10/00

DWG#: #068 - #069

LOCATION: N.W. Pacific R/R

STATION	OFFSET	DEPTH	NOTES
797+84	30'0/s	48"	Begin TRENCH / HDPE
798+84	30'0/s	48"	
799+84	30'0/s	48"	
800+84	30'0/s	48"	
801+11	30'0/s	48"	& couplers Tie-In
801+84	30'0/s	48"	
802+84	30'0/s	48"	
803+84	30'0/s	48"	
804+84	30'0/s	48"	
804+96	30'0/s	48"	END TRENCH / H.D.P.E.

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION



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

1150' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

798+60	804+96
804+96	810+10
636'	514'
1.11 2-1.5" HDPE 1-1.25" HDPE DE MILLAD ID_10_DD HDM	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_11_DD HDM

IN BLACK 1.25" HDPE
6.12 PD BY JR SMITS 5_16_01
LGA TRAILER WIRE

REV-1

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
- Telephones 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
1888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-069-SPRD 4	

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
784+34	20'	48"		START TRENCH
786+34	20'	48"		
788+45	20'	48"		END TRENCH
788+45	20'			START TRENCH
790+45	20'			
792+30	20'			END TRENCH

DATE: 10-11-00
COUNTY: SONOMA
ALIGN. SHT. #

CONTRACTOR: HINKELS & McCOY
INSPECTOR: KENNY STRICKLAND
PROJECT: 99 D1541-14 3 of

Williams

WILLIAMS COMUNICATIONS

PROFILE SHEET

DESCRIPTION: INSPECT TNP 2x1.5 & 1x1.25 HDPE

CONTRACTOR: HENKELS & McCOY | INSPECTOR: JOE MILLAN | DATE: 10/10/00

DWG# ± 068 | LOCATION: N.W. PACIFIC R/A

STATION	OFFSET	DEPTH	NOTES
792+30	30'O/S	48"	Begin Trench / HDPE
793+30	30'O/S	48"	
794+30	30'O/S	48"	
795+30	30'O/S	48"	
796+30	30'O/S	48"	
797+30	30'O/S	48"	
797+84	30'O/S	48"	End Trench / HDPE
			Note: STA.# 792+81 - On Alignment Sheet Shows Culvert: Does Not Exist.
			Note: STA.# 793+31 - On Alignment Sheet Shows Culvert: Does Not Exist.

Williams

WILLIAMS COMUNICATIONS

PROFILE SHEET

DESCRIPTION: Inspect TNP of 2X1.5 & 1X1.25 HDPE

CONTRACTOR: Henkels & McCoy

INSPECTOR: Joe Millan

DATE: 10/10/00

DWG#: #068-#069

LOCATION: N.W. Pacific R/R

STATION	OFFSET	DEPTH	NOTES
797+84	30'0/s	48"	Begin TRENCH / HDPE
798+84	30'0/s	48"	
799+84	30'0/s	48"	
800+84	30'0/s	48"	
801+11	30'0/s	48"	& couplers Tie-In
801+84	30'0/s	48"	
802+84	30'0/s	48"	
803+84	30'0/s	48"	
804+84	30'0/s	48"	
804+96	30'0/s	48"	END TRENCH / H.D.P.E.

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

812+26 FIBER MARKER 19' RT [3669+78, 16' RT NCRRA]

STATE MARKER POLE 37'0/S LT

817+54 POWER POLE 20' LT [3664+68.1, 55' RT NCRRA]

817+31 FIBER MARKER 20' RT [3664+90.4, 14' RT NCRRA]

817+61 FIBER MARKER 20' RT [3664+81.3, 14' RT NCRRA]
817+96 BEGIN STEEL PIPE [3664+27.4 NCRRA]
818+11 CULVERT [3664+12.9 NCRRA]
818+26 END STEEL PIPE [3663+98.3 NCRRA]
818+38 RR MILE MARKER 71 [3663+86.7 NCRRA]

818+84 FIBER MARKER 19' RT [3663+43.5, 16' RT NCRRA]

RAILROAD STATIONING

POINT ARENA

SACRAMENTO

SONOMA COUNTY
CALIFORNIA
SEC 29, T9N AND R9W
MDB&M

W-JIMTOWN-2

W-JIMTOWN-1

WL-JIMTOWN-2

D/R-JIMTOWN-5

PROPOSED WILLIAMS FIBER ROUTE

HEADWALL

PAC BELL

PIPELINE

BOX CULVERT

NORTH COAST RAILROAD ASSOCIATION MAINLINE

OVERHEAD POWER

MATCH LINE SHT. 069

MATCH LINE SHT. 071

TRENCH
42" MINIMUM DEPTH

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
1164' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
30" – STEEL PIPE

810+10 814+58 448'	814+58 814+68 10'	814+68 814+97 29'	814+97 870+36 544'	870+36 870+41 5'	870+41 870+51 10'	870+51 872+24 173'
1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_11_00 H&M	1.41 & 1.11 5" STEEL 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_11_00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_11_00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_13_00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_13_00 H&M	1.11 & 1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_13_00 H&M	1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND ID_13_00 H&M

REV-1

IN BLACK 1.25 HDPE
LOAD PD BY JR SHTC 5_16_01

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
1-888-265-2283
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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-070-SPRD 4	

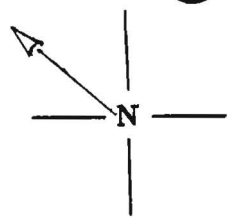
DAILY TRENCHING: WILLIAMS FIBER ROUTE

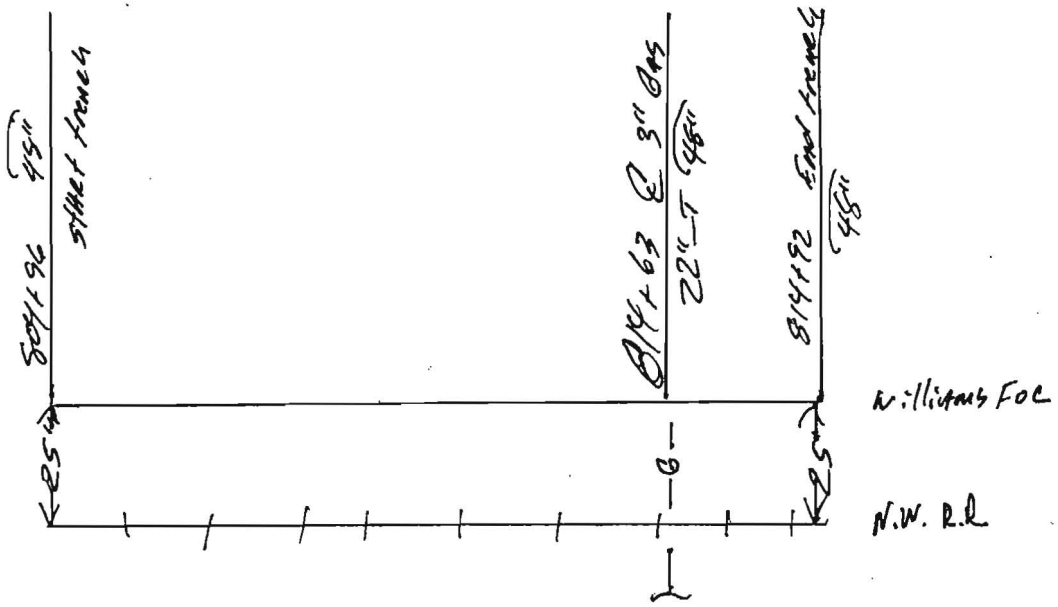
DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
804+96	30'	48"		START TRENCH
806+96	30'	48"		
808+96	25'	48"		
810+96	26'	48"		
812+92	27'	48"		
814+63	25'	48"		Q OF 3" GAS 22" FROM TOP GROUND
814+92	25'	48"		END TRENCH
814+92	25'	48"		START TRENCH
816+92	26'	48"		
818+92	26'	48"		
820+36	30'	48"		END TRENCH

CONSTRUCTION AS-BUILT DOCUMENTATION

DA	PROJECT #	ALIGN. SHEET #	SPREAD #
-00	4577	70	99/15

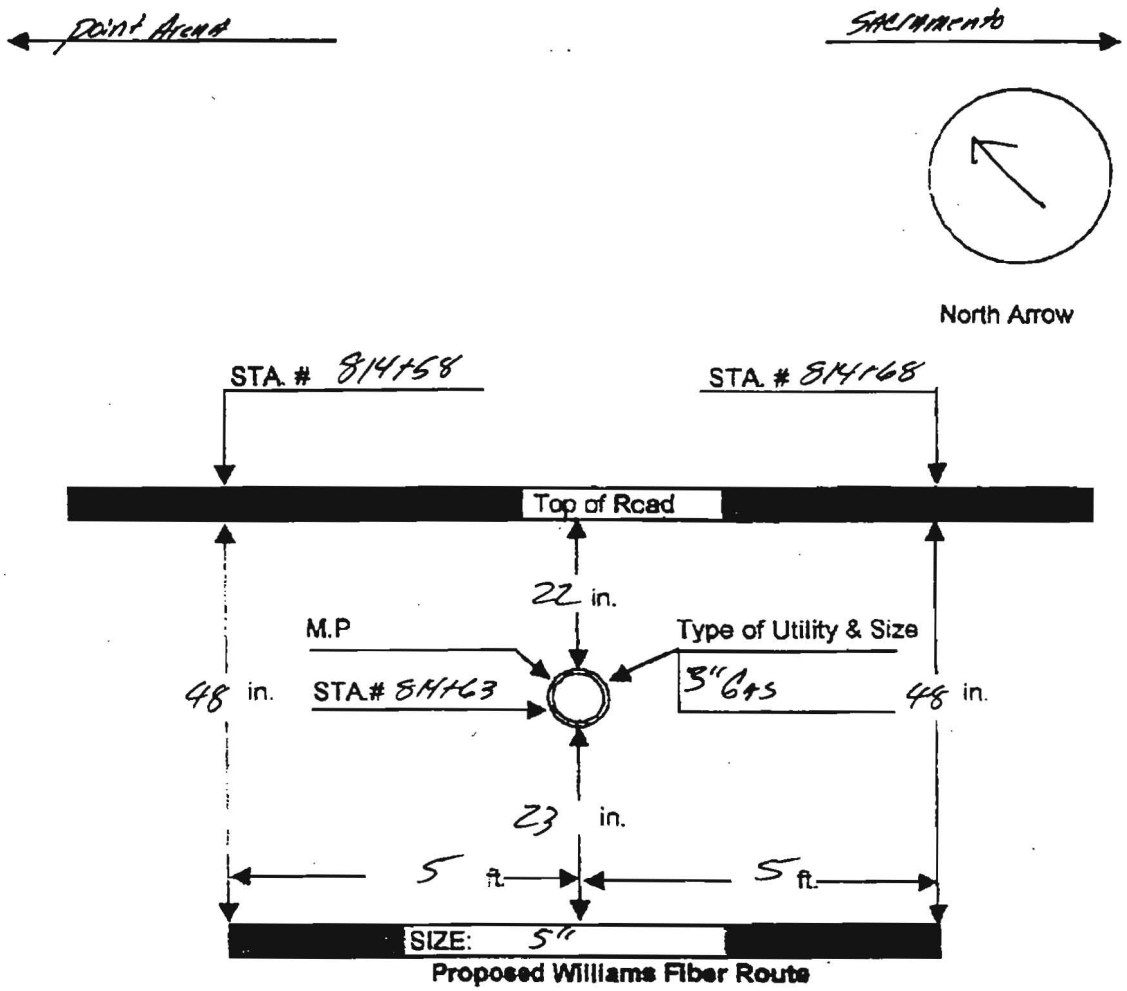




NOTES:	COUNTY	CONTRACTOR
	Sonoma	Hinkels
	DUCT CONFIGURATION	INSPECTOR
	2-1½ 1-1¼	Kenny Strickland

WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING



DATE: 10-11-00	TYPE OF CROSSING: foreign
COUNTY: Sonoma	CONTRACTOR: Hinkles
ALIGN. SHT.# 70	INSPECTOR: Kenny Strickland
PROJECT: 4877	

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING

POINT ARENA

SACRAMENTO

SONOMA COUNTY
CALIFORNIA
SEC. 9, T9N AND R9W
MDB&M

D-JIMTOWN-5A

D/R-JIMTOWN-5

D/R-JIMTOWN-2A

FOOT BRIDGE

CULVERT

CL ASPHALT DRIVEWAY

CL CANAL

WINGWALL

NORTH COAST RAILROAD ASSOCIATION MAINLINE

PAC BELL

SIGNAL BOX

EP

EP

WINGWALL

NORTH COAST RAILROAD ASSOCIATION SPUR

PROPOSED WILLIAMS FIBER ROUTE

829+16 PI LEFT

MATCH LINE SHT. 070 822+24

MATCH LINE SHT. 072 834+74

DIRECTIONAL DRILL 60" MINIMUM DEPTH

DIRECTIONAL DRILL 60" MINIMUM DEPTH

DIRECTIONAL DRILL 60" MIN DEPTH

JACK AND BORE 60" MINIMUM DEPTH

822+24

834+74

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

1250' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

20' - STEEL PIPE — 30' - STEEL PIPE — 40' - STEEL PIPE — 40' - STEEL PIPE

822+24 822+46 22'	822+46 823+12 66'	823+12 824+92 180'	828+57 830+94 "242' 1.11 2-1.5" HDPE 1-1.5" HDPE K STRICKLAND 10.13.00 H&M	830+94 831+64 70' BORE 2-1.5" HDPE 1-1.25" HDPE J McKOY 1.9.01 H&M	831+64 834+74 310' 1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 10.13.00 H&M
1.11 2-1.5" HDPE 1-1.25" HDPE K STRICKLAND 10.13.00 H&M	PDPE STEEL 2-1.5" HDPE 1-1.25" HDPE J HOLDY 11.6.00 H&M	TRENCH 2-1.5" HDPE 1-1.25" HDPE J McKOY 11.6.00 H&M			

IN BLACK 1.25 HDPE

6.12 PM BY JR SMITS 5.16.01

REV-1

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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-071-SPRD 4

DAILY TRENCHING: WILLIAMS FIBER ROUTE

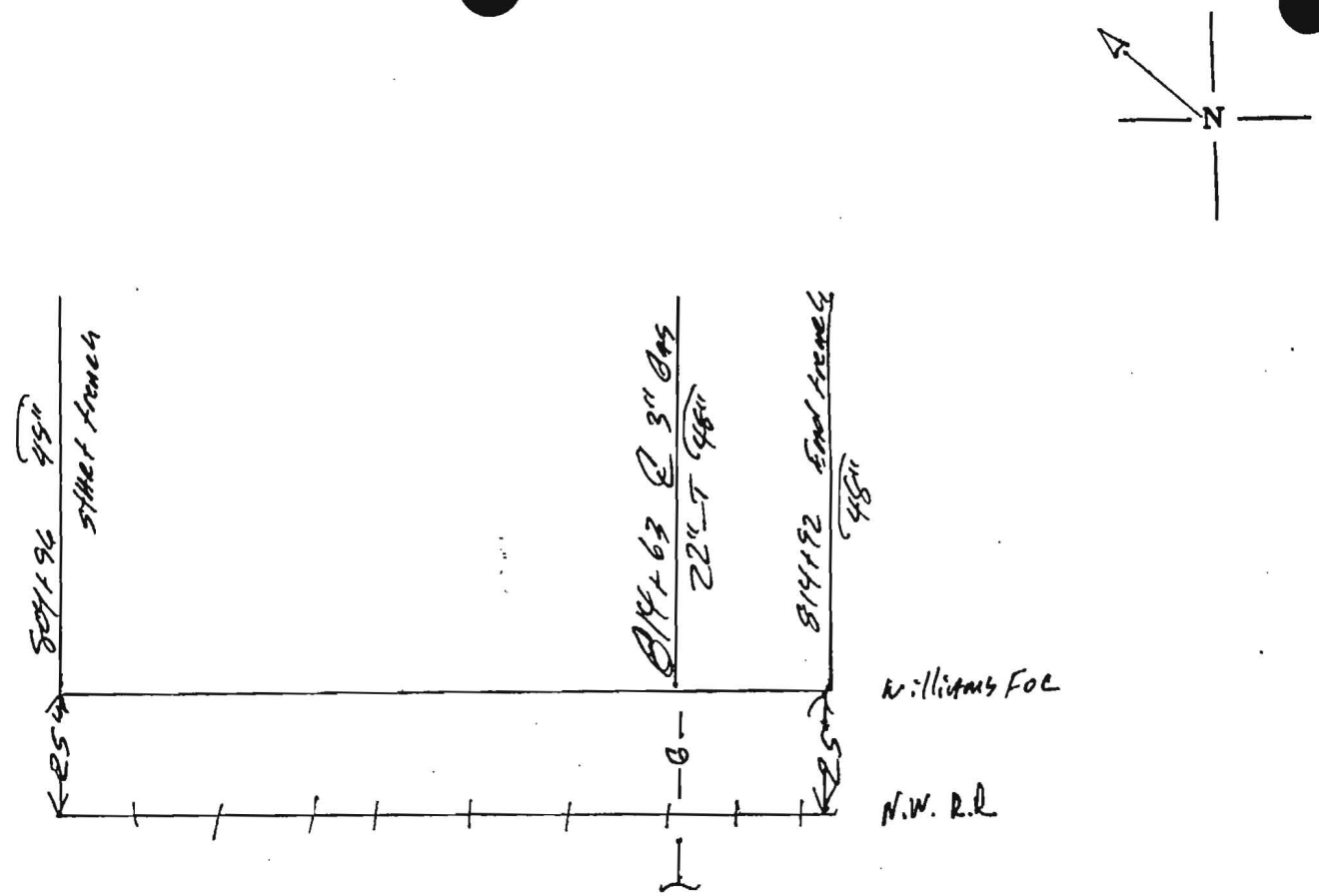
DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
804+96	30'	48"		START TRENCH
806+96	30'	48"		
808+96	25'	48"		
810+96	26'	48"		
812+92	27'	48"		
814+63	25'	48"		Q OF 3" GAS 22" FROM TOP GROUND
814+92	25'	48"		END TRENCH
814+92	25'	48"		START TRENCH
816+92	26'	48"		
818+92	26'	48"		
820+36	30'	48"		END TRENCH

DATE:	CONTRACTOR:
COUNTY:	INSPECTOR:
ALIGN. SHT. #	PROJECT:

CONST[illegible]CTION AS-BUILT DOCUMENTATION

DA[illegible]	PROJECT #		
[illegible].00	4577	70	99/154[illegible]

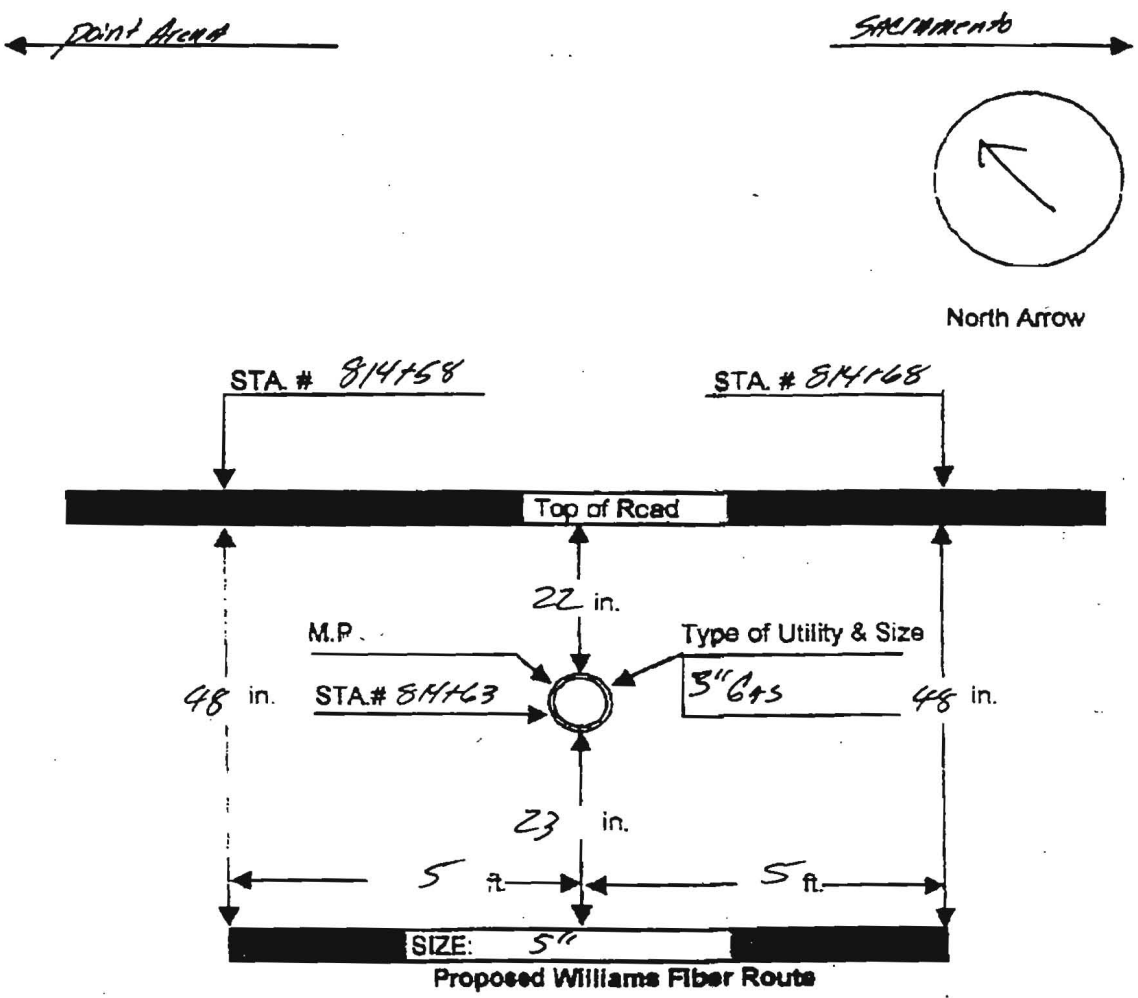


NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
2-1 1/2 1-1 1/4	Kenny Strickland

WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING



DATE: 10-11-00	TYPE OF CROSSING: Foreign
COUNTY: Sonoma	CONTRACTOR: Hinkles
ALIGN. SHT.# 70	INSPECTOR: Kenny Strickland
PROJECT: 4877	

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
B20+36	30'	48"		START TRENCH
B20+46	30'	48"		½" GAS 18" TOP
B22+46	30'	48"		END TRENCH

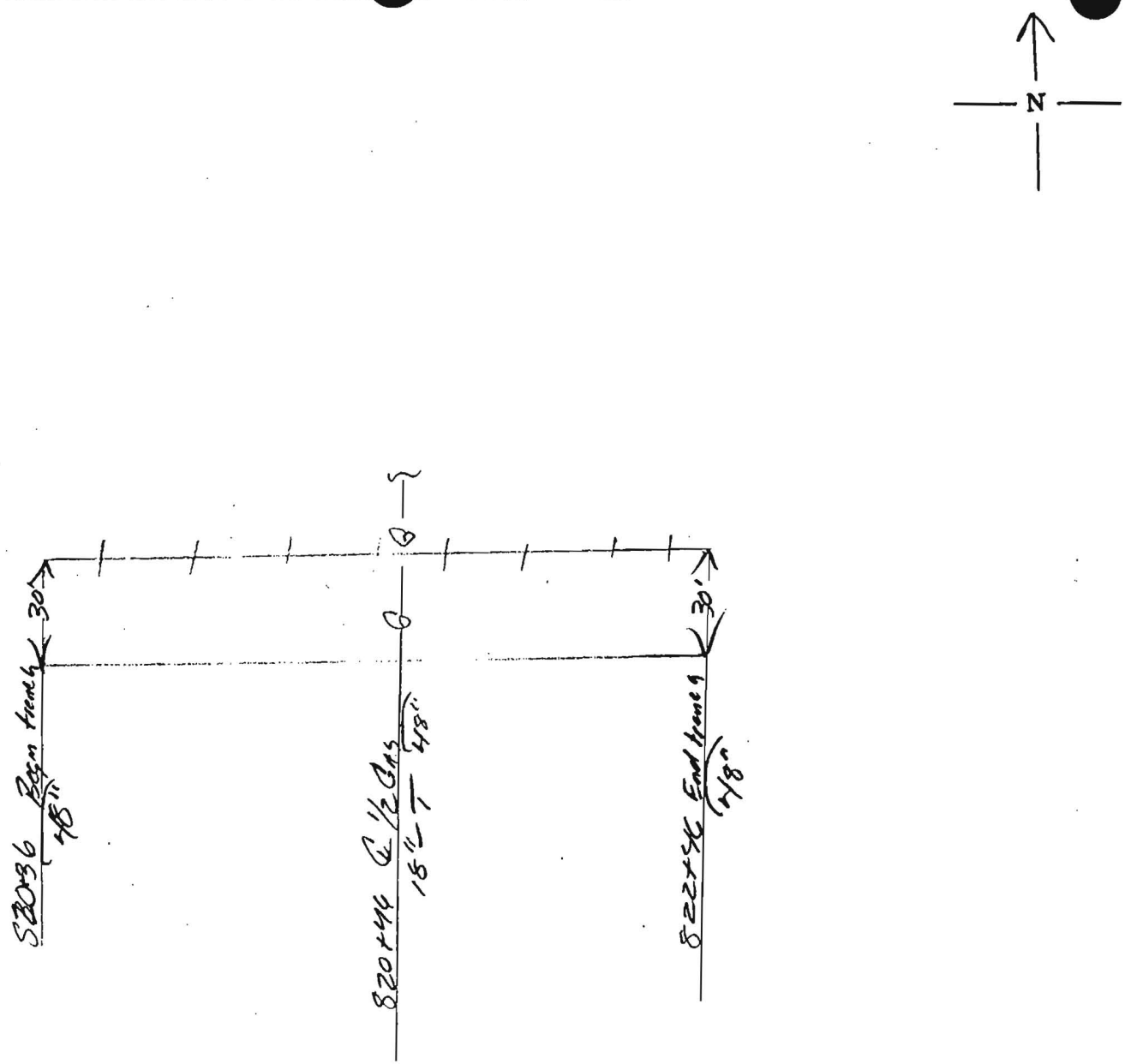
DATE: 10-13-00
COUNTY: SONOMA
ALIGN. SHT. #

CONTRACTOR: HINKELS & MCCOY
INSPECTOR: KENNY STRICKLAND
PROJECT: 99D1544 - N-3

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	
3-00	N877	70	9/1/15

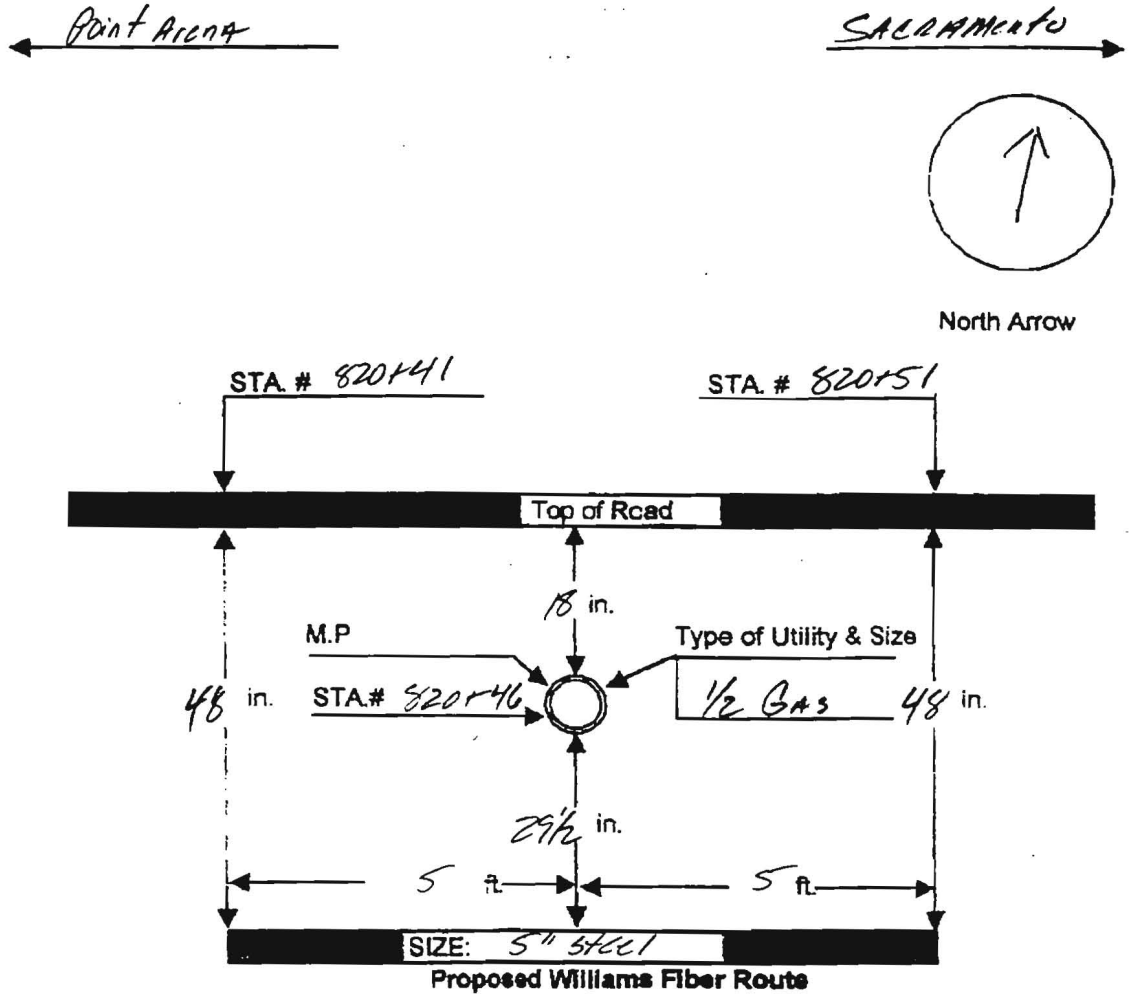
22
3
25
23



NOTES:	COUNTY	CONTRACTOR
	Sonoma	Minkels
	DUCT CONFIGURATION	INSPECTOR
	2-1 1/2 1-1 1/4	Kenny Strickland

WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING



Proposed Williams Fiber Route

DATE:	10-13-00	TYPE OF CROSSING:	foreign
COUNTY:	Sonoma	CONTRACTOR:	H. in Kelly
ALIGN. SHT.#	70	INSPECTOR:	Kenny Strickland
PROJECT:	4877		

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
820+36	30'	48"		START TRENCH
820+46	30'	48"		½" GAS 18" TOP
822+46	30'	48"		END TRENCH

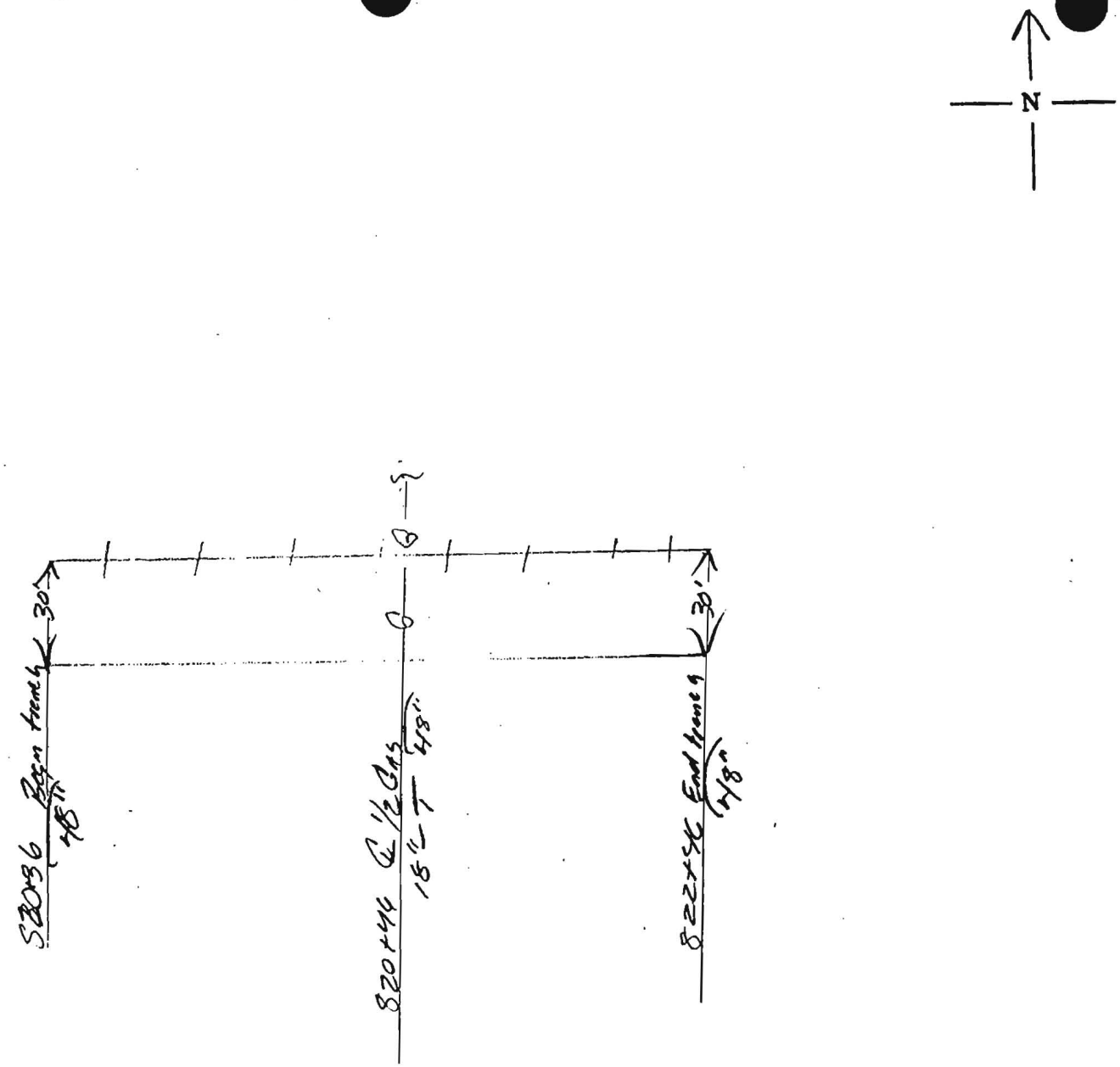
DATE: 10-13-00
COUNTY: SONOMA
ALIGN. SHT. #

CONTRACTOR: HINKELS & MCCOY
INSPECTOR: KENNY STRICKLAND
PROJECT: 99D15484 - N-3

CONSTRUCTION AS-BUILT DOCUMENTATION

13-00	H877	70	4

22/25/23

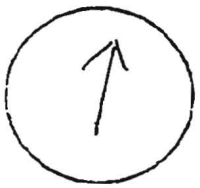


NOTES:	COUNTY	CONTRACTOR
	Sonoma	Minkels
	DUCT CONFIGURATION	INSPECTOR
	2-1 1/2 1-1 1/4	Kenny Strickland

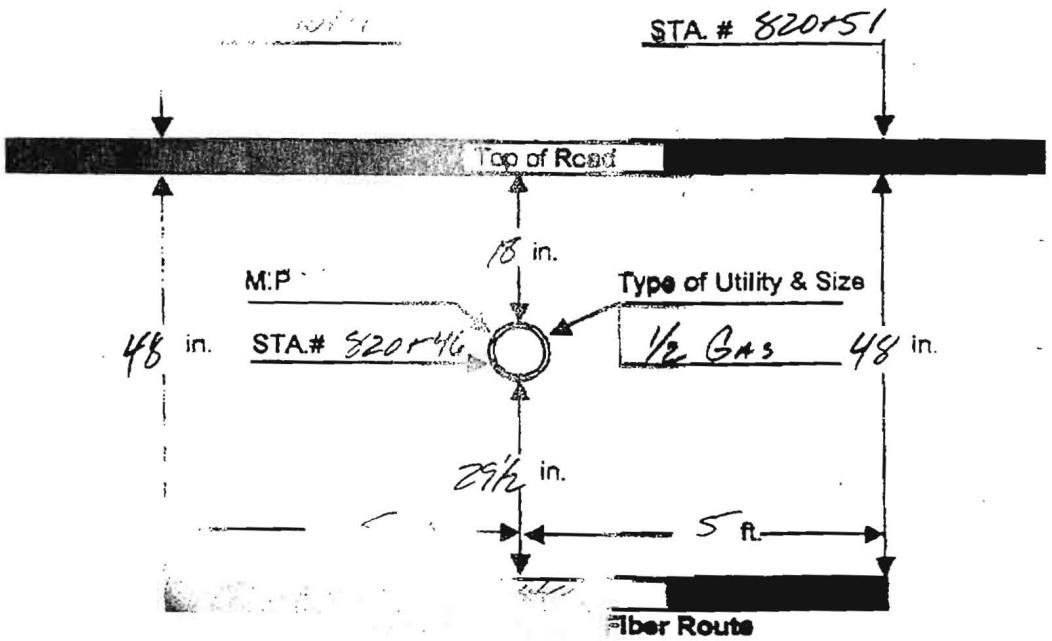
WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING

Point Arena ← → SACRAMENTO



North Arrow



DATE:	10-13-00	TYPE OF CROSSING:	foreign
COUNTY:	SONOMA	CONTRACTOR:	H.u.K.'s
ALIGN. SHT.#	70	INSPECTOR:	Kenny Strickland
PROJECT:	4877		

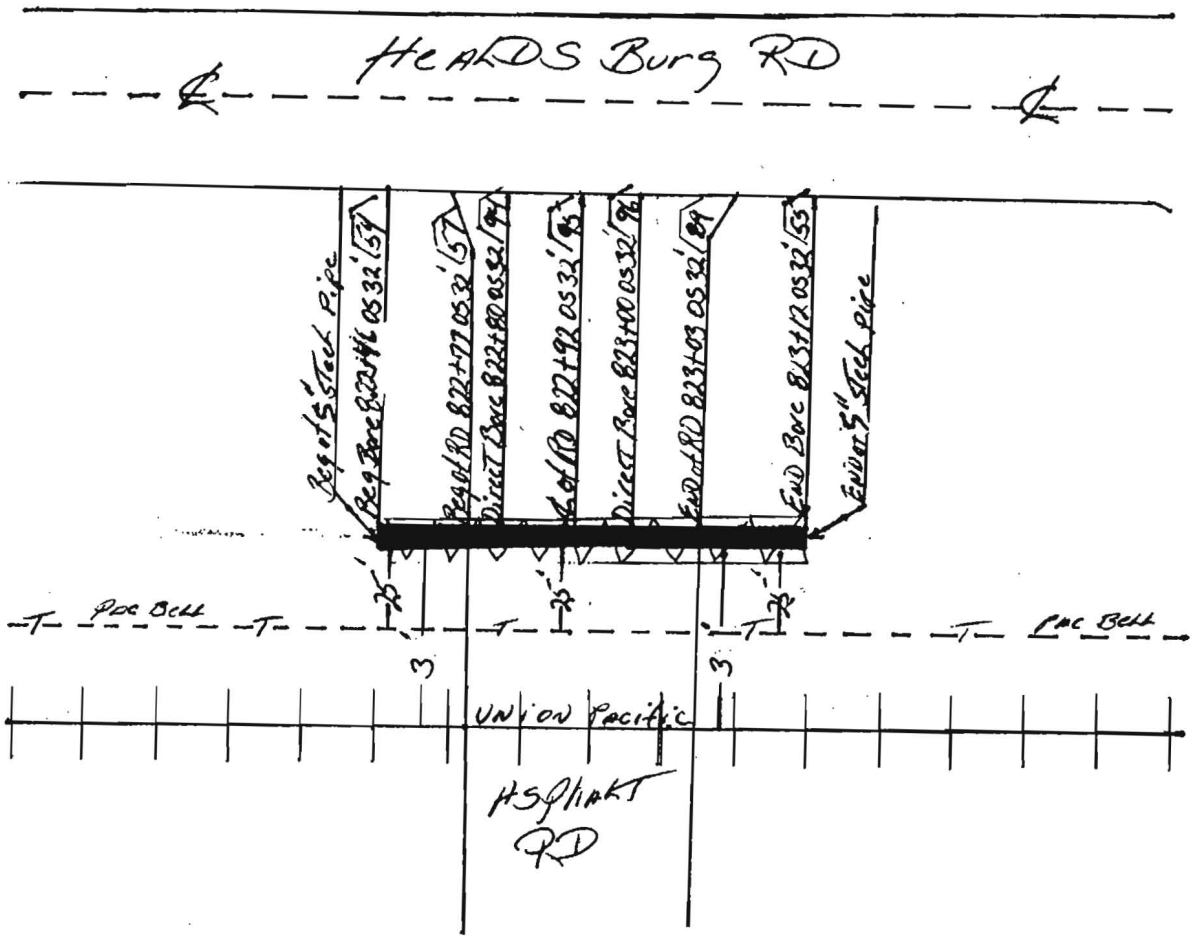
Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

DATE	PROJECT #		#
11-6-00	4875	071	#3

Beg Sta# 822+70
Point Arena

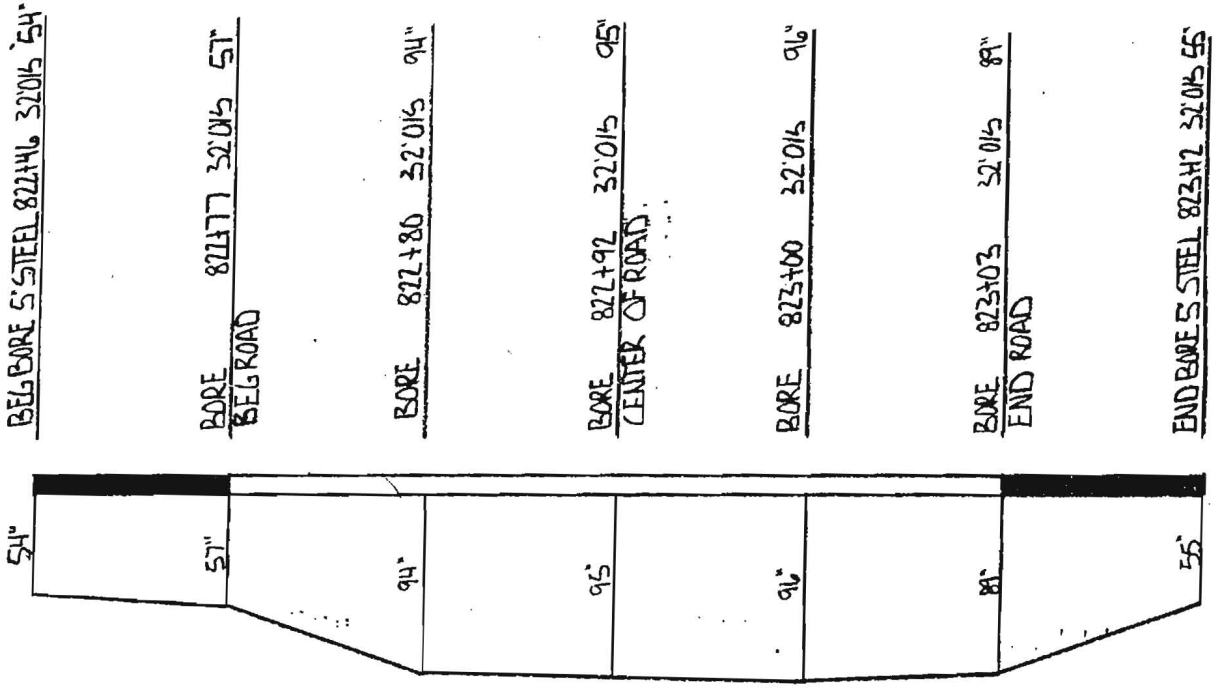
End Sta# 823+12
Sacramento



NOTES:	COUNTY:	CONTRACTOR
Direct Bore As Built 5" Steel Pipe 42'	SONOMA	Hentes & McCoy
	DUCT CONFIGURTION:	INSPECTOR
	3-2½ HDPE	Jeff D McCoy

Williams CONSTRUCTION AS-BUILT DOCUMENTATION

DATE:	PROJECT #:	DWG/ALIGNMENT SHEET #:	HEAD #:
11.6.00	4875	071	3



NOTES: 2-1.5" HDPE ORANGE BLUE 1-1.25" HDPE BLACK

COUNTY: SONOMA

DUCT CONFIGURATION:

CONTRACTOR: HEINKELS

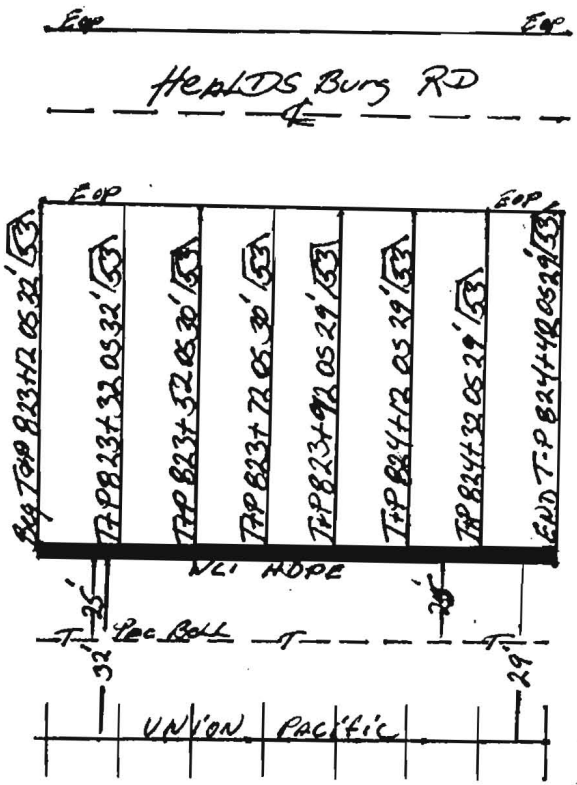
INSPECTOR: JEFF MCKOY

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

11-6-00	4875	071	FF 3

Beg Sta# 823+12
Point Arena

End Sta# 823+12
Sacramento



NOTES: Trench & Place Asbuilt

COUNTY: SONOMA

CONTRACTOR: Hawkins & McCoy

DUCT CONFIGURTION: 3-2½ HDPE

INSPECTOR: Jeff D McKoy

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
828+52	30'	48"		START TRENCH
830+94	30'	48"		END TRENCH

DATE: 10-12-00
COUNTY: SONOMA
ALIGN. SHT. #

CONTRACTOR: HINKELS
INSPECTOR: KENNY STRICKLAND
PROJECT: 99D1541-14 #

Page__ of __

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
831+64	17'0"S	48"	West/side	Start trench
832+64	18'0"S	48"		
833+64	18'0"S	48"		
834+64	19'0"S	48"		
835+64	20'0"S	48"		
836+64	19'0"S	48"		
837+64	18'0"S	48"		
838+64	19'4"S	48"		
839+64	17'0"S	48"		
840+64	17'4"S	48"		
841+64	16'0"S	48"		
842+65	16'0"S	48"	West/side	End trench

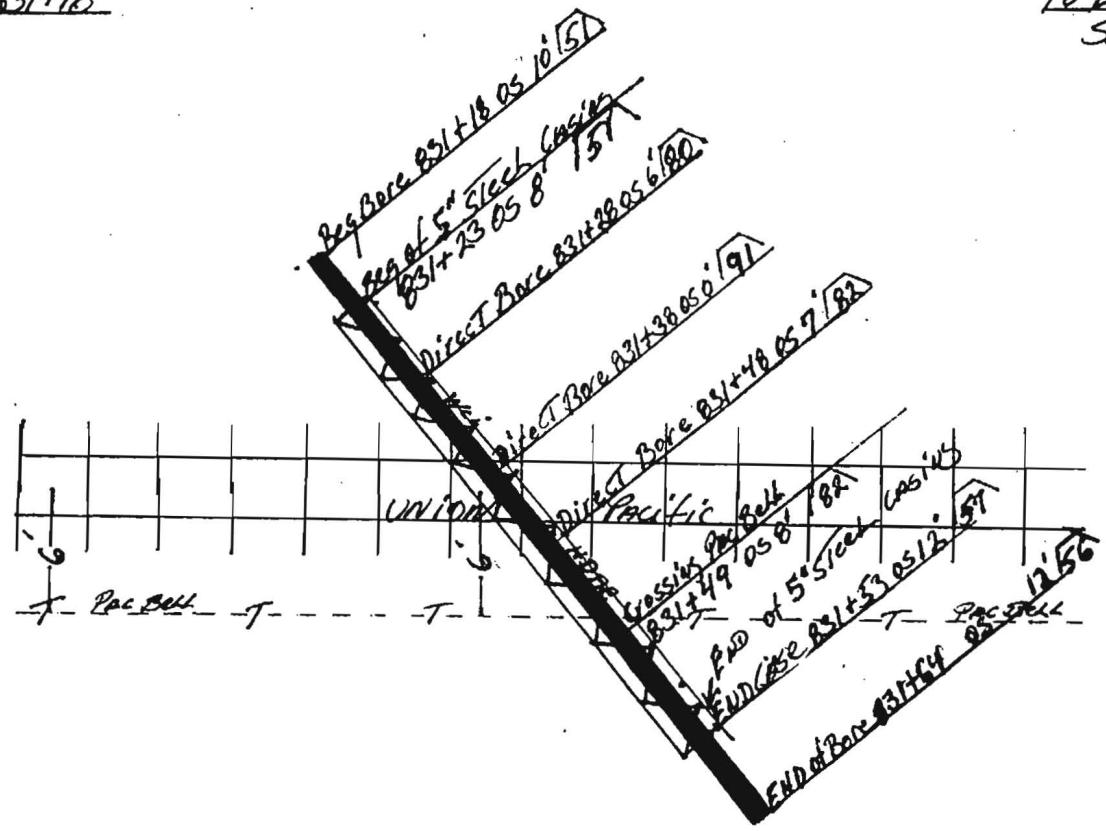
DATE: 10-13-00	CONTRACTOR: Mintels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 71-	PROJECT: 0901541-14-3W

Williams **CONSTRUCTION AS-BUILT DOCUMENTATION**

11-6-00	4875	071	#3

From Beg STA# 831+18
Point Arena

To END STA# 834+
Sacramento



NOTES: Track Bore As Built
5" Steel Pipe 3

COUNTY: SONOMA

CONTRACTOR: HENKELS + McCOY

DUCT CONFIGURTION: 3-2½ HDPE

INSPECTOR: JEFF D McKOY

Williams Construction [illegible]-Built Documentation

Spread Location: Point Arena To Sac

Spread No. #3

AFE No. 4875

Contract No. 99P1541-14

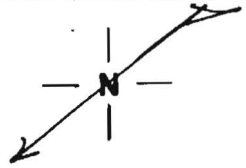
Date: 11-6-00

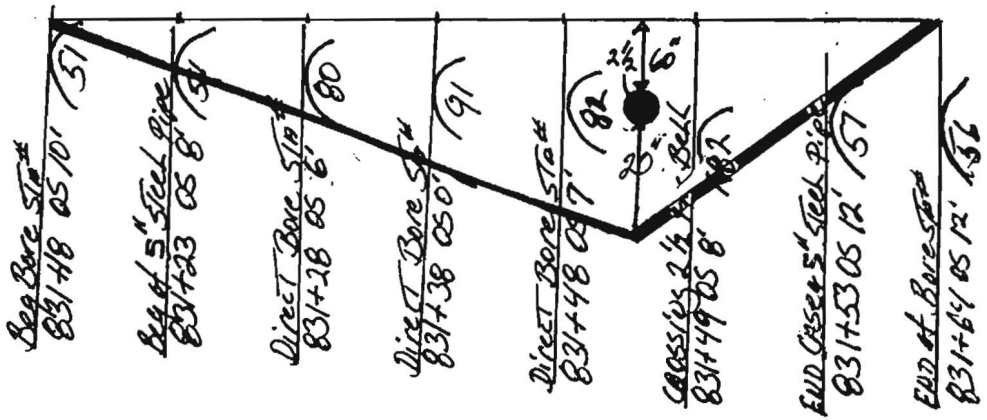
Page No. 1 of 1

Drawing #: 071

From: Beg Sta#
831+18 Point Arena

To: End Sta#
831+53 Sac





Notes: Profile As built William's HDPE Crossing. 2" Bell Line. See Direct Bore or Track Bore Dated 11-6-00

County: Sonoma

Duct Configuration: 2-1½-1-1¼

Contractor: Henkels & McCoy

Inspector: Jeff D McKo[illegible]

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

834+83 TELEGRAPH POLE 14' LT [3649+08.3, 21' LT NCRRA]
835+28 FIBER MARKER 20' LT [3648+66.1, 14' LT NCRRA]
~~835+78 12" IRON SMALL PIPE [3647+01.0 NCRRA]~~
836+23 CULVERT [3647+76.9 NCRRA]
~~836+28 END STEEL PIPE~~
TELEGRAPH POLE 12' LT [3647+72.2, 23' LT NCRRA]
837+75 TELEGRAPH POLE 8' LT [3646+34.2, 21' LT NCRRA]
837+77 TELEGRAPH POLE 12' LT
TELEGRAPH POLE 6' LT [3646+32.3, 17', 24' LT NCRRA]
839+28 TELEGRAPH POLE 7' LT [3644+90.6, 27' LT NCRRA]
HI SHOWIZ MARKER POLE 2SDS/SI
840+75 TELEGRAPH POLE 3' LT [3643+52.6, 31' LT NCRRA]
~~840+84 BROW STEEL PIPE [3643+41.2 NCRRA]~~
840+89 CULVERT [3643+39.5 NCRRA]
~~841+01 END STEEL PIPE [3643+23.0 NCRRA]~~
HI SHOWIZ MARKER POLE 2SDS
842+25 TELEGRAPH POLE 5' LT [3642+11.8, 29' LT NCRRA]
~~843+14 BROW STEEL PIPE~~
TELEGRAPH POLE 2' LT [3640+71.9, 34' LT NCRRA]
843+78 WATER LINE [3640+68.2 NCRRA]
843+80 CULVERT
WATER INLET 7' LT [3640+63, 28' LT NCRRA]
~~843+86 END STEEL PIPE [3640+60.7 NCRRA]~~
844+54 ROAD SIGN 2' LT [3639+96.8, 31' LT NCRRA]
844+61 FIRE HYDRANT 7' RT [3639+90.3, 42' LT NCRRA]
~~847+51 BROW STEEL PIPE~~
~~847+56 END STEEL PIPE~~
846+36 WATER LINE [3638+26.0 NCRRA]
~~846+40 END STEEL PIPE~~
846+50 TELEGRAPH POLE 1' RT [3638+12.9, 35' LT NCRRA]

RAILROAD STATIONING

POINT ARENA ←
SONOMA COUNTY
CALIFORNIA
SEC 8, T9N AND R9W
MDB&M
→ SACRAMENTO
D/R-JIMTOWN-2A
D/R-JIMTOWN-2A
MATCH LINE SHT. 071 834+74
MATCH LINE 846+53 SHT. 073
NORTH COAST RAILROAD ASSOCIATION MAINLINE
PAC BELL
CULVERT
CULVERT
SIGNAL BOX
CULVERT
R/W
40'-0"
35'-0"
40'-0"
T
X
W
PEDESTRIAN CROSSING
PROPOSED WILLIAMS FIBER ROUTE
835+00
836+00
837+00
838+00
839+00
840+00
841+00
842+00
843+00
844+00
845+00
846+00
WL-JIMTOWN-2
FHYL, CRLF
D-JIMTOWN-4
TRENCH 42" MINIMUM DEPTH
TRENCH 42" MINIMUM DEPTH
HAND DIG 42" MINIMUM DEPTH
HAND DIG 42" MINIMUM DEPTH
834+74
846+53
EXIST TELEPHONE
REEL TRAILER
REEL TRAILER
REEL ROAD CASPHALT
EXIST ASPHALT ROAD
EXIST TEL. SIGNAL
8 CULVERTS
8 CULVERTS
8 CULVERTS

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]		[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]"		
[redacted]	[redacted]	[redacted]		
834+74	19'0"S	48"		
835+64	20'0"S	48"		
836+64	19'0"S	48"		
837+64	18'0"S	48"		
838+64	14'0"S	48"		
839+64	17'0"S	48"		
840+64	17'0"S	48"		
841+64	16'0"S	48"		
842+65	16'0"S	48"	West/side	End trench

DATE: 10-13-00	CONTRACTOR: Mintels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 71-	PROJECT: 99I541-14-3N

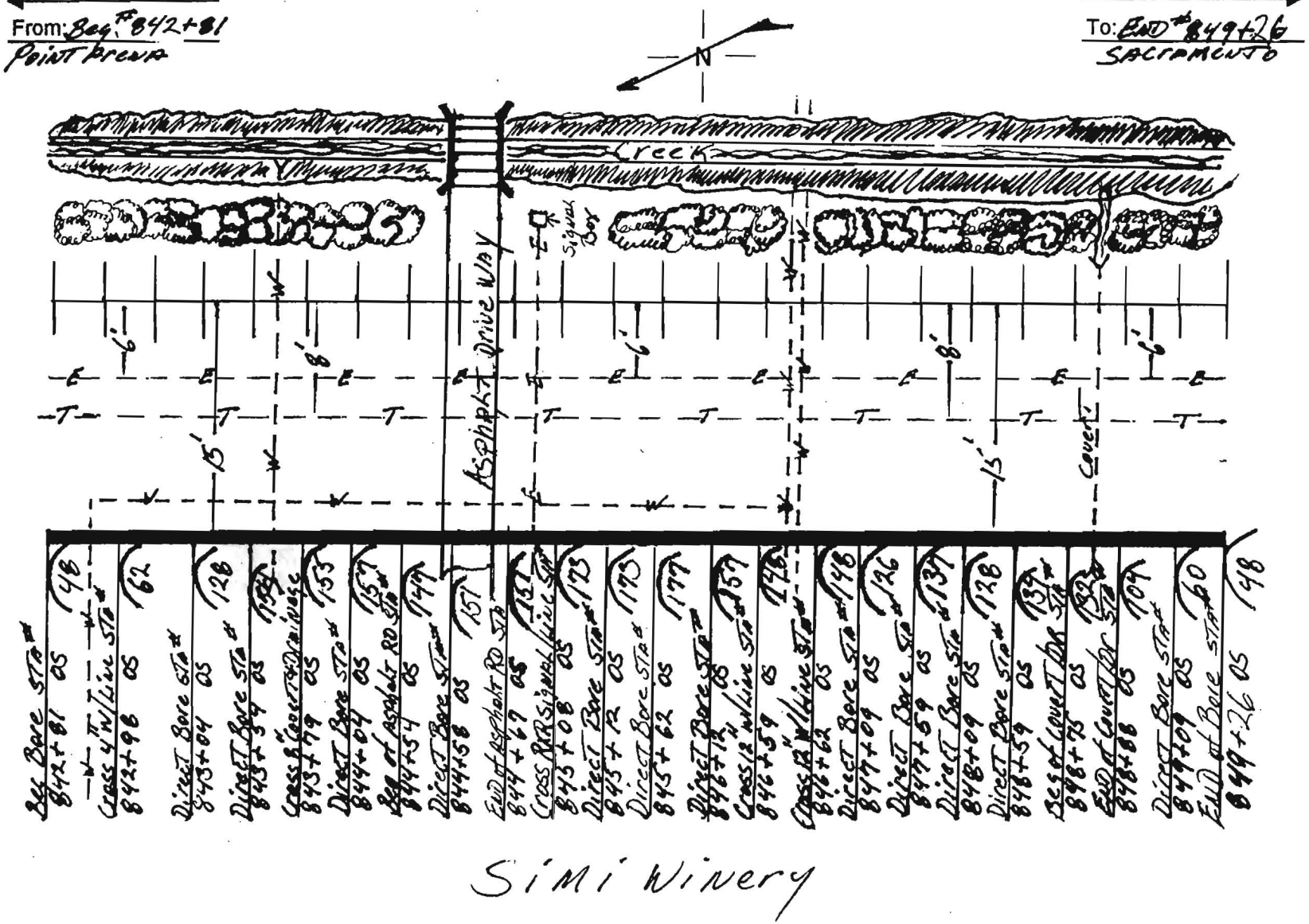
Williams Construction As-Built Documentation

Spread Location: Point Arena To Sac
Spread No. #3
AFE No. 4875
Contract No. 99P1541-14

Date: 12-6-01
Page No. 1 of
Drawing #: 072-073

From: Beg #842+81 Point Arena

To: End #849+26 Sacramento



Notes: Direct Bore (Slick) Asbuilt Footage 687' Cultural site not previously delineated to close to Whinery	County: Sonoma	Contractor: Henkels & McCoy
	Duct Configuration: 2-1 1/2-1-1 1/4	Inspector: Jeff D McKoy

Williams Construction As-Built Documentation

Spread Location: Point Arena To Spc

Spread No.: 3

AFE No. 4857

Contract No. 99P1541-14

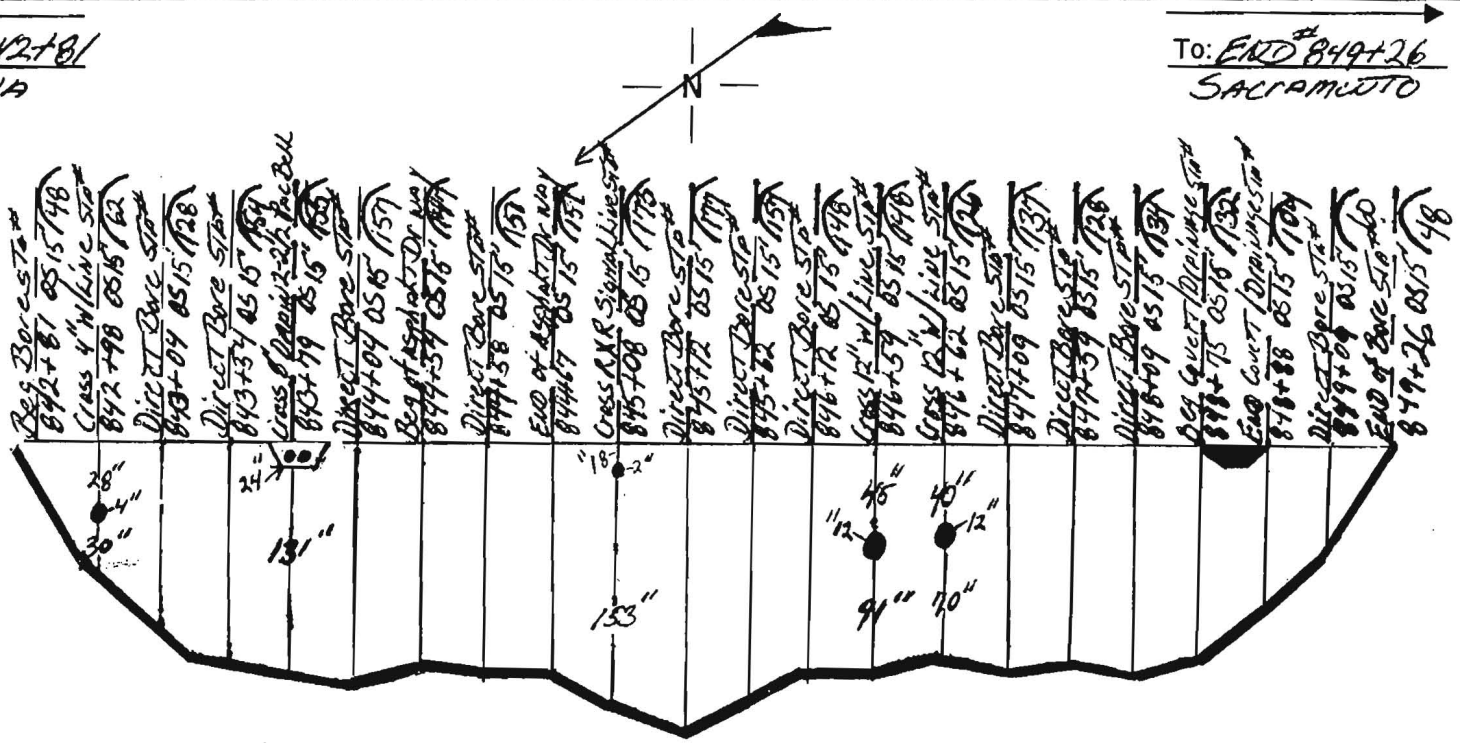
Date: 12-6-00

Page No. 1 of

Drawing #: 072-023

From: Beg #842+81 POINT ARENA

To: END #849+26 SACRAMENTO



Notes: Direct Bore Profile - Crossing Utilities
Total 687' See Direct Bore Dated 12-6-00
Simi Winery To Close To R/R Tracks
Cultural Site Not Previously Delineated

County: Sonoma

Duct Configuration: 2-1½-1-1¼

Contractor: Henkels & McCoy

Inspector: Jeff D McKay

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 8, T9N AND R9W
MDB&M

SACRAMENTO

D/R-JIMTOWN-2A

D/R-JIMTOWN-2

MATCH LINE SHT. 072 846+53

MATCH LINE SHT. 074 858+32

PAC BELL

NORTH COAST RAILROAD ASSOCIATION MAINLINE

CULVERT

HEADWALL

WINGWALL

CL CREEK

BRIDGE

WINGWALL

ELECTRICAL PULL BOX

EQUATION CHANGE AHEAD - 50'

WATER ACCESS

WILLIAMS FIBER ROUTE

DIRECTIONAL DRILL 60" MINIMUM DEPTH

WILL NOT BE DONE

JACK AND BORE MIN DEPTH

SPLICE ALL

EQUATION CHANGE ?

846+64 ACCESS 5' RT
ACCESS 1' LT
[3637+99.7, 40' LT, 33' NCRRA]
846+63 BEGIN STEEL PIPE
[3638+00.7 NCRRA]
846+68 WATER LINE
[3637+98 NCRRA]
846+72 ACCESS 1' LT
[3637+82.2, 32' LT NCRRA]
846+73 END STEEL PIPE
[3837+91.3 NCRRA]
846+80 FIBER MARKER 1' LT
[3637+84.7, 32' LT NCRRA]
848+01 TELEGRAPH POLE 2' LT
[3636+71.1, 32' LT NCRRA]
848+04 MARKER POLE 37' LT

848+46 CULVERT
[3636+26.9 NCRRA]
848+99 FIBER MARKER 7' LT
[3635+79.1, 25' LT NCRRA]

849+48 TELEGRAPH POLE 7' LT
[3635+33.2, 27' LT NCRRA]

851+00 TELEGRAPH POLE 18' LT
[3633+90.5, 15' LT NCRRA]

852+49 TELEGRAPH POLE 15' LT
[3632+50.6' 19' LT NCRRA]
852+62 FIBER MARKER 14' LT
[3632+38.4, 16' LT NCRRA]
852+95 BEGIN STEEL PIPE
[3632+07.4 NCRRA]
852+97 END OF BRIDGE
[3632+05.6 NCRRA]
853+36 CL OF CREEK
[3631+89 NCRRA]
853+42 END OF BRIDGE
[3631+83 NCRRA]
853+45 END STEEL PIPE
[3631+60.5 NCRRA]
853+66 FIBER MARKER 3' LT
[3631+40.8, 31' LT NCRRA]

857+37 POWER POLE 10' RT
[3628+58.3 NCRRA]

846+53 12" WATER LINE
846+67 12" WATER LINE
847+59 15" DIA CMP
847+69 HAND DIG 5' MIN DEPTH
847+75 TIED CULVERT / DRAINAGE DITCH
848+08 15" DIA CMP
848+88 END CULVERT / DRAINAGE DITCH
849+26 TIED TRENCH / END PAVE
850+26 48"
851+69 END TRENCH
851+73 BEG TRENCH
854+34 BEG JACK BORE
854+40 END JACK BORE
854+54 AHEAD
855+49 AHEAD
856+87 SPLICE ALL
857+28 48"
858+32

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
1179' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

10' – STEEL PIPE | 50' – STEEL PIPE | 50' – STEEL PIPE

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

846+53 849+26 273' BORE 2-1.5" HDPE 1-1.25" HDPE J McKOY 12_6_00 HBM	849+26 851+69 243' 1.11 2-1.5" HDPE 1-1.25" HDPE DODGEN 10_16_00 HBM		854+34 854+40 6' 1.11 2-1.5" HDPE 1-1.25" HDPE JEFF McKOY 1-05-01 HBM	854+40 854+45 5' 1.11@1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JEFF McKOY 1-05-01 HBM	854+45 854+60 15' 1.11@3.22 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JEFF McKOY 1-05-01 HBM	854+60 854+65 5' 1.11@1.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE JEFF McKOY 1-05-01 HBM	854+65 854+69 4' 1.11 2-1.5" HDPE 1-1.25" HDPE JEFF McKOY 1-05-01 HBM	854+69 858+32 363' 1.11 2-1.5" HDPE 1-1.25" HDPE 10_16_00 JOE MILLAN HBM

REV-1

6.12 PD BY JR SHTS 5_16_01 TO 851+69 | IN BLACK 1.25" HDPE | 6.12 PD BY JR SHTS 5_16_01 LCA TRAVEL WIRE

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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

CABLE DESCRIPTION

CABLE FIBER COUNT MFG. TYPE OF GLASS	
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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-073-SPRD 4

Williams Construction — As-Built Documentation

Spread Location: [illegible] YCNP TO SAC

Spread No. 3

AFE No. 4873

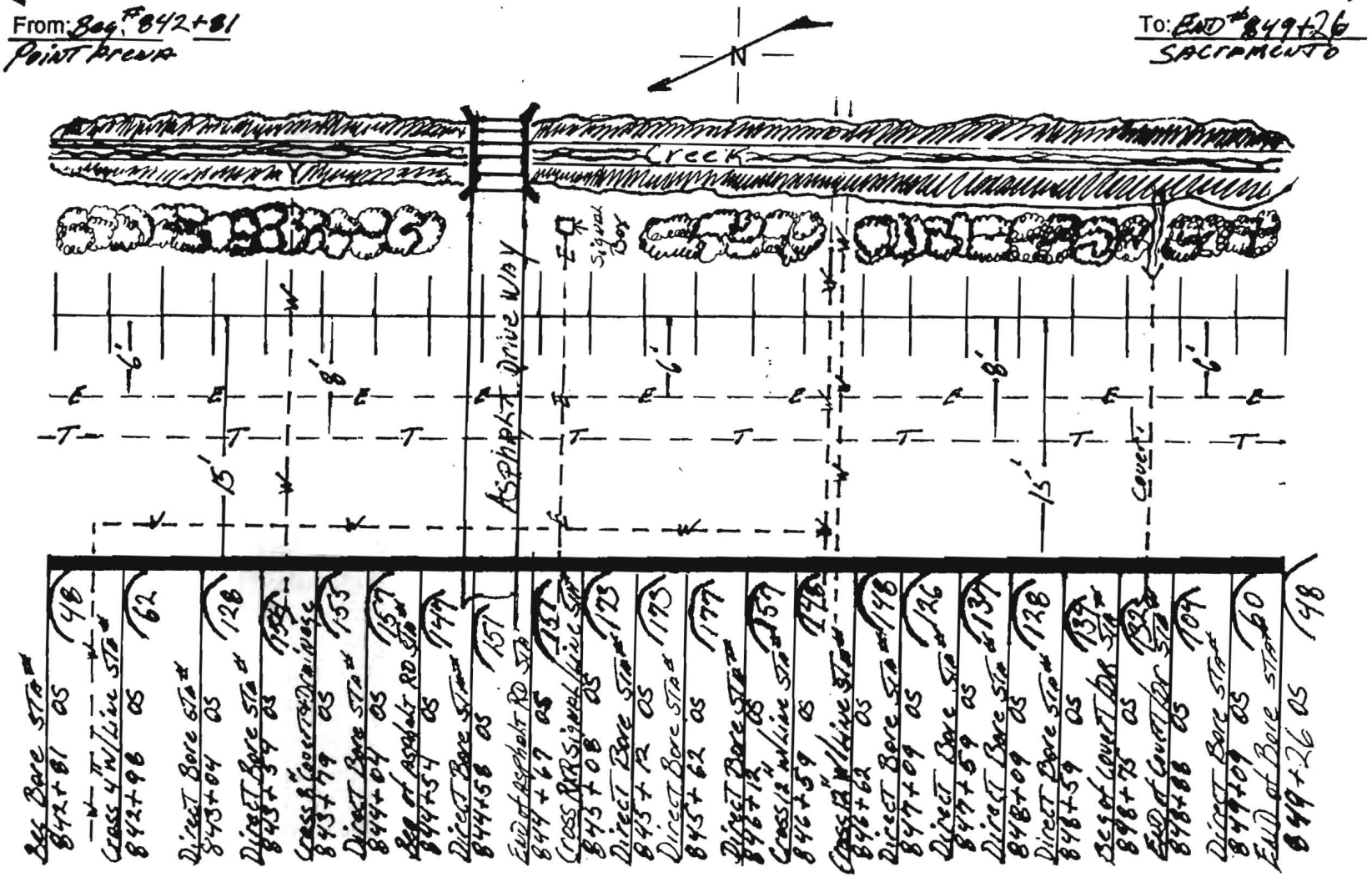
Contract No. 99P1541-14

Page No. 1 of [illegible]

Drawing #: 072-073

From: Beg. #842+81 Point Arena

To: End #849+26 Sacramento



Simi Winery

Notes: Direct Bore (Slick) Asbuilt Footage 687' Cultural site not previously delineated To close to winery	County: Sonoma Duct Configuration: 2-1½-1-14	Contractor: Henkels & McCoy Inspector: John D McKoy

Williams

Williams Construction [illegible]-Built Documentation

Spread Location: Po[illegible] [illegible]ena To Sac

Spread No. 3

AFE No. 4857

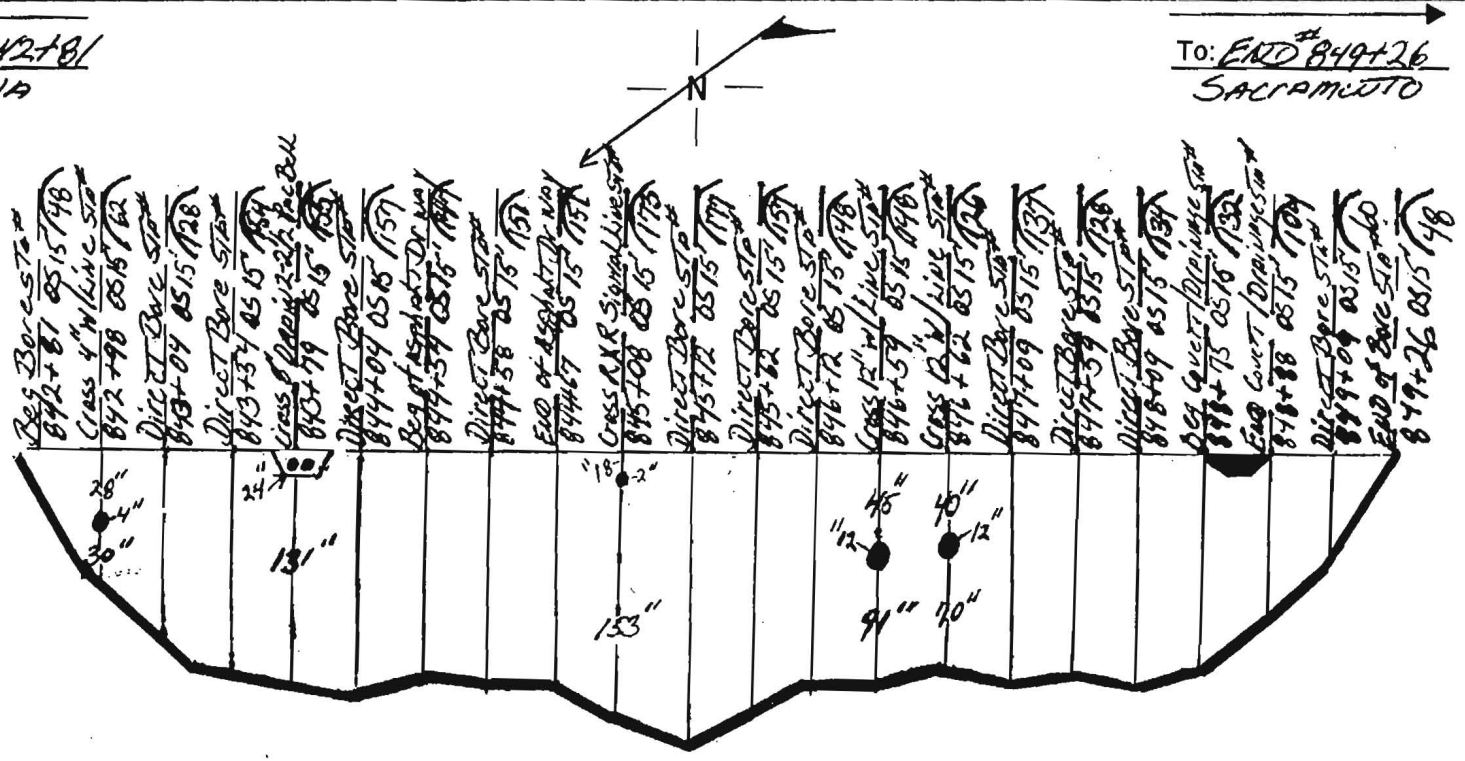
Contract No. 99P1541-14

Page No. 1 of

Drawing #: 072-073

From: Beg #842+81 Point Arena

To: End #849+26 Sacramento



Notes: Direct Bore Profile - Crossing Utilities Feet 687' See Direct Bore Dated 12-6-00 Simi Winery To Close To R/R Tracks Cultural Site Not Previously Delineated	County: Sonoma Duct Configuration: 2-1½-1-1¼	Contractor: Henkels & McCoy Inspector: Jeff D McKay

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
849+26	25'	48"		Start trench
850+26	25'	48"		
851+69	25'	48"		End trench

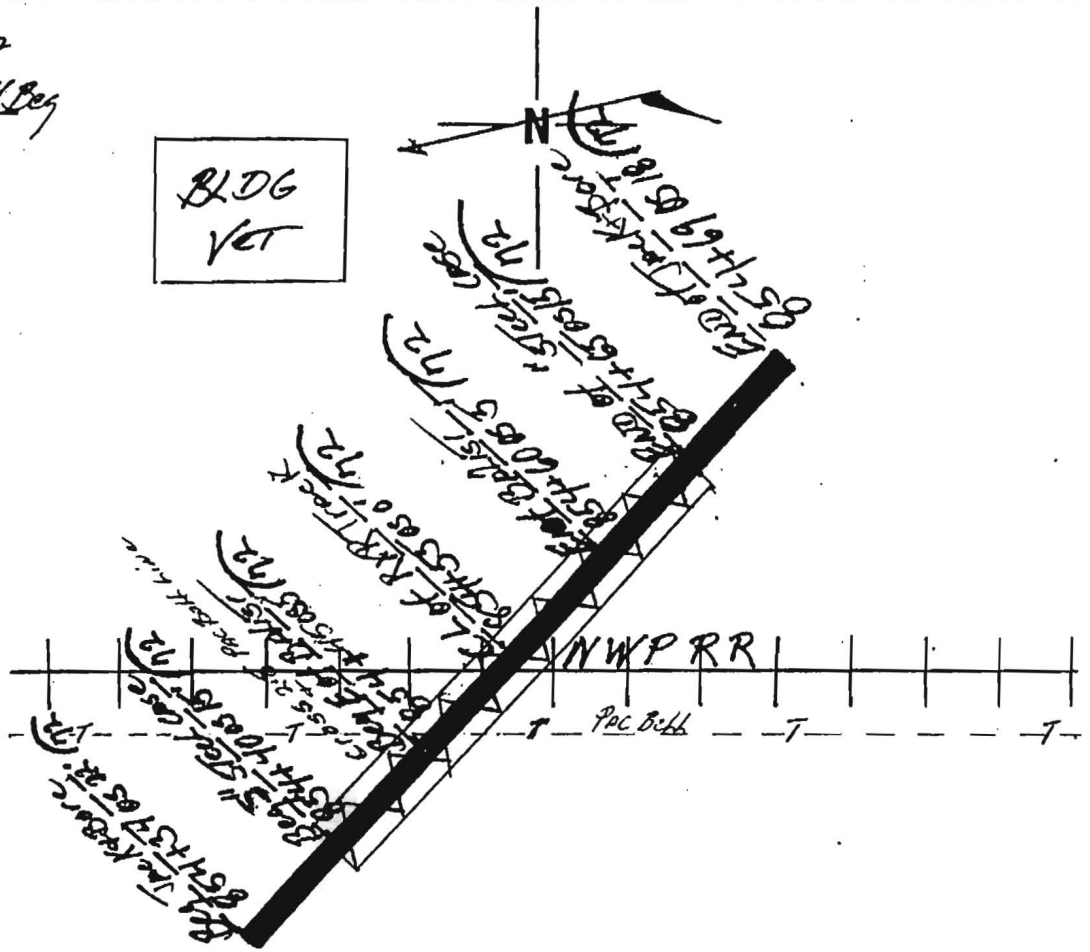
Williams

CONSTRUCTION AS-BUILT DOCUMENTATION

D	PROJECT #	DWG / ALIGNMENT SHEET
01-05-001	4845	073

Point Arena
FROM: 854+34 Beg

Sacramento
TO: 854+69

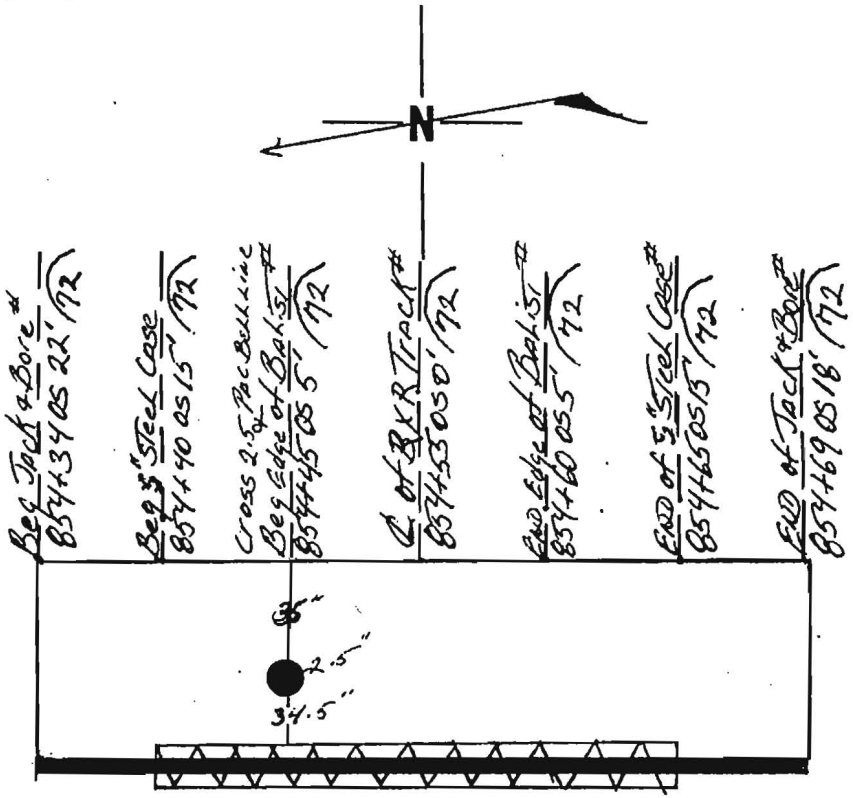


NOTES:	COUNTY:	CONTRACTOR:
Track Bore - using JacBore Machine	Sonoma	Henkels & McCoy
Asbuilt South side of DR Jim Town 2	DUCT CONFIGURATION:	INSPECTOR:
See Profile Asbuilt Crossing 2.5 Pac Bell	2-1½-1-1¼ HDPE	Jeff D McCoy
Count & Dated 01-05-001		

Williams	CONSTRUCTION AS-BUILT DOCUMENTATION	ID: 01-05-001	PROJECT #: 4875	DWG / ALIGNMENT SHEET: 073	S:

Point Arena ← FROM: 854+34 Beg

SACRAMENTO → TO 854+69 End



NOTES:	COUNTY:	CONTRACTOR:
Track Bore Profile As Built Crossing 2.5" Pac Bell Conduit. See Jack Bore As Built Dated 01-05-001	SONOMA	Henkels & McCoy
	DUCT CONFIGURATION: 2-1½-1-1¼ HDPE	INSPECTOR: Jeff D McKoy

Williams

WILLIAMS COMUNICATIONS

POINT ARENA TO SACRAMENTO

PROFILE SHEET

DESCRIPTION: INSPECT T N P. OF 2X1.5 & 1X1.25 HDPE

CONTRACTOR: HENKELS & McCOY

INSPECTOR: JOE MILLAN

DATE: 10/16/00

DWG# #073 & #074

LOCATION: N.W. PACIFIC R/R

STATION	OFFSET	DEPTH	NOTES
854+61	18'0/s	48"	Begin T.N.P. 2X1.5 & 1X1.25 HDPE
855+61	18'0/s	48"	
856+61	18'0/s	48"	
856+87	18'0/s	48"	& couplers 2X1.5 & 1X1.25 - Tie-In
857+61	18'0/s	48"	
858+61	18'0/s	48"	
859+61	18'0/s	48"	
860+61	18'0/s	48"	
861+61	18'0/s	48"	
862+61	18'0/s	48"	
863+53	18'0/s	48"	END T.N.P. & HDPE.

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

859+18 POWER POLE 9' RT [3626+88.4 NCRRA]

SPIKED SPIKE POLE JR SMITS 5.17.01

860+50 POWER POLE 7' RT [3625+64.4 NCRRA]

863+70 ELECTRICAL POLE 5' LT [3622+64.1 NCRRA]
~~[illegible]~~
863+96 GAS LINE [3622+39.7 NCRRA]
SL3460 MARKER POLE 7.5'OLS

864+24 WATER INLET 6' RT [3622+14.1 NCRRA]
864+58 GAS LINE [3622+11.5 NCRRA]
864+46 WATER LINE [3621+92.7 NCRRA]
864+58 CL OF ROAD [3621+81.5 NCRRA]
864+92 WATER INLET 12' LT [3621+49.6 NCRRA]
864+98 CULVERT [3621+73.9 NCRRA]
865+00 EDGE OF PAVEMENT [3621+42 NCRRA]
865+04 WATER INLET 12' RT [3621+38.3 NCRRA]

865+08 CL OF DRIVEWAY [3621+34.5 NCRRA]

865+54 CULVERT [3620+91.4 NCRRA]
~~[illegible]~~
886+01 POWER POLE 7' RT [3620+84.8 NCRRA]
[3620+47.2 NCRRA]
SL3492 MARKER POLE 7.5'OLS

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 8, T9N AND R9W
MDB&M

SACRAMENTO

N

#3

#1

#2

18'OLS 48"

18'OLS 48"

PAC BELL

WILLIAMS FIBER ROUTE

ELECTRICAL METERS

BATTERY BOX

ATCT

SIGNAL BOXES

CL GROVE ROAD

WINGWALL

SIGNAL BOXES

SIGNAL HUT

CULVERT

NORTH COAST RAILROAD ASSOCIATION MAINLINE

CULVERT

MATCH LINE SHT. 073 858+32

MATCH LINE SHT. 075 870+33

40'-0"

35'-0"

R/W

T

858+00 FIBER

859+00

860+00

861+00

862+00

863+00

864+00

865+00

866+00

867+00

868+00

869+00

870+00

ELECTRICAL PULL BOX (TYP)

WATER ACCESS

CULVERT

D-JIMTOWN-2

D/R-JIMTOWN-2

D-JIMTOWN-3

D/R-JIMTOWN-2

48"

45"

16'OLS

18'OLS

TRENCH
60" MINIMUM DEPTH

| | | |

Williams

WILLIAMS COMUNICATIONS

POINT ARENA TO SACRAMENTO

PROFILE SHEET

DESCRIPTION: INSPECT T.N.P. OF 2X1.5 & 1X1.25 HDPE

CONTRACTOR: HENKELS & McCOY

INSPECTOR: JOE MILLAN

DATE: 10/16/00

DWG# #073 & #074

LOCATION: N.W. PACIFIC R/R

STATION	OFFSET	DEPTH	NOTES
854+61	18'0"S	48"	Begin T.N.P. 2X1.5 & 1X1.25 HDPE
855+61	18'0"S	48"	
856+61	18'0"S	48"	
856+87	18'0"S	48"	& couplers 2X1.5 & 1X1.25 - Tie-In
857+61	18'0"S	48"	
858+61	18'0"S	48"	
859+61	18'0"S	48"	
860+61	18'0"S	48"	
861+61	18'0"S	48"	
862+61	18'0"S	48"	
863+53	18'0"S	48"	END T.N.P. & HDPE.

Williams Construction [illegible]-Built Documentation

Spread Location: [illegible] Point Arena to SAC

Spread [illegible] #3

AFE No. 4875

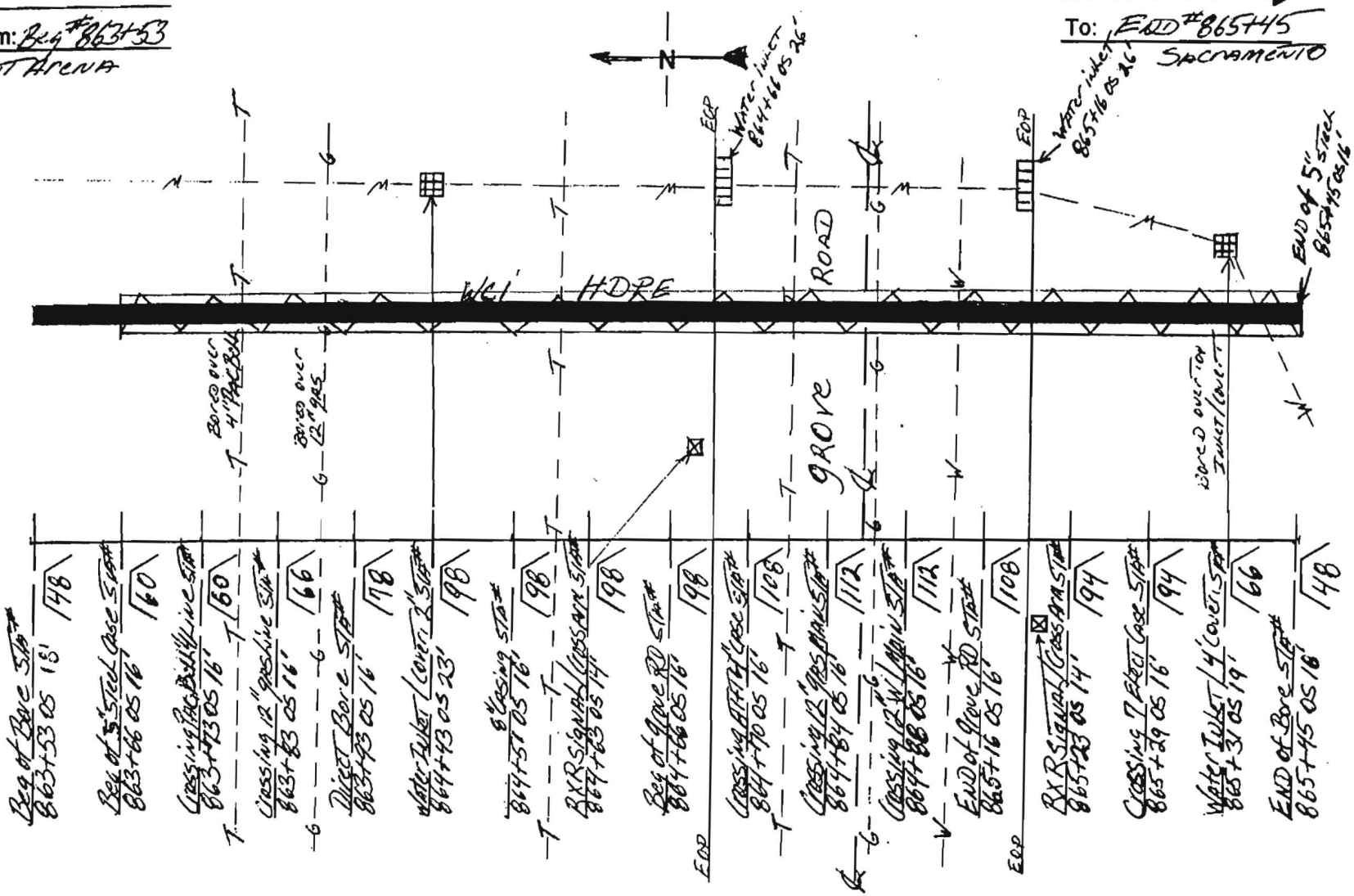
Contract No. 99P1541-14

Page No. 1 of [illegible]

Drawing #: 074

From: Beg #863+53 Point Arena

To: End #865+45 Sacramento



Notes: Direct Bore ASBuilt Crossing Utilities
Grove RD Crossing Footage 192'
Steel Casing 179

County: Sonoma

Duct Configuration: 2-1½-1-1¼

Contractor: Henkels + McCoy

Inspector: Jeff D McKay

Williams

Williams Construction As-Built Documentation

Spread Location: Point Arena to SAC

Spread No. #3

AFE No. 4875

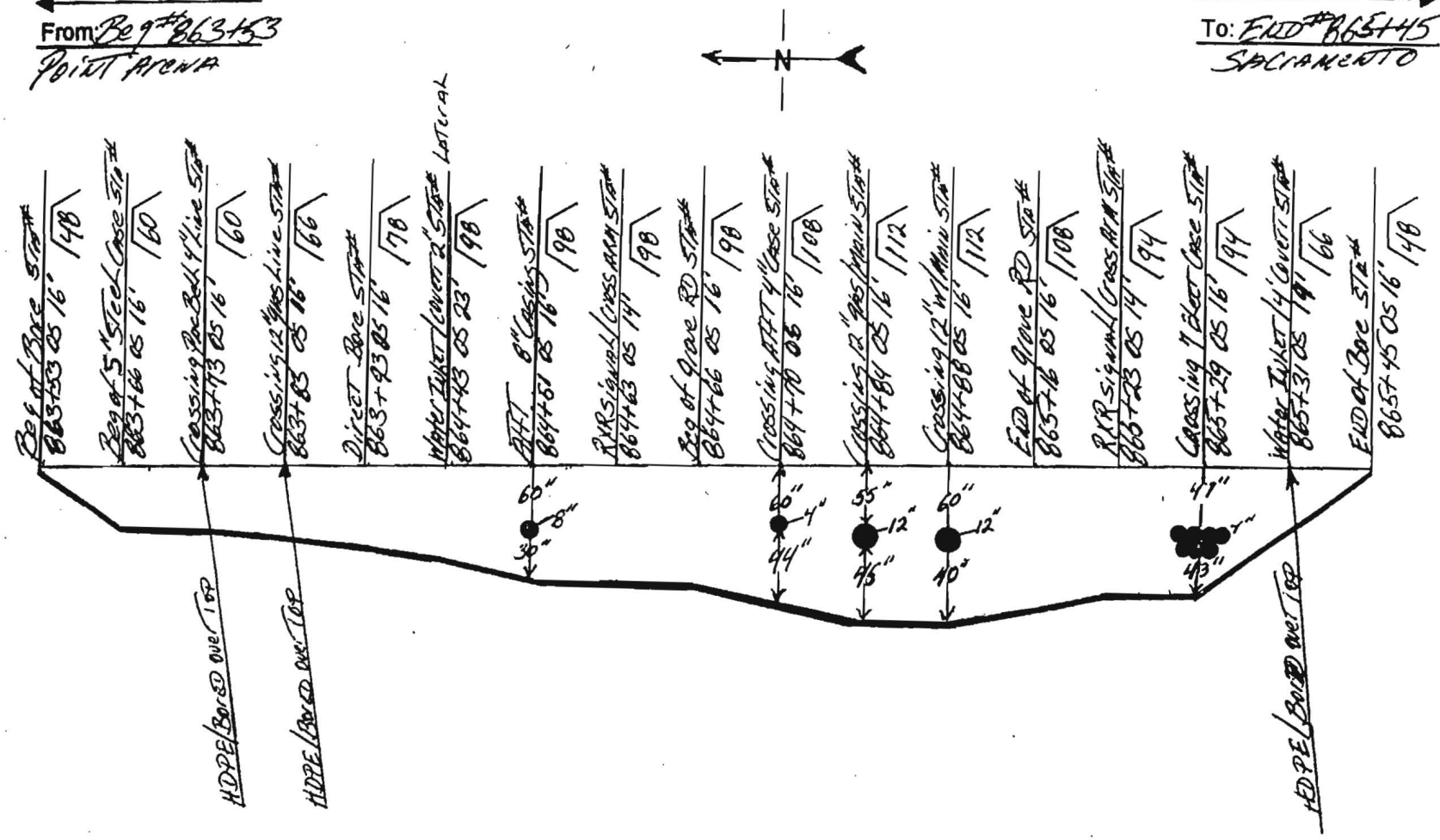
Contract No. 99P1541-14

Page No. 1 of

Drawing #: 074

From: Beg #863+53 Point Arena

To: End #865+45 Sacramento



Notes: Direct Bore Profile Asbuilt - See Direct Bore Asbuilt Dated 12-19-00 Grove RD Healdsburg. 192'	County: Sonoma	Contractor: Henkels & McCoy
	Duct Configuration: 2-1 1/2 - 1-1 1/4	Inspector: Jeff D McKay

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
865+45	16'9"	48"	East/side	Start trench
866+45				
867+45				
868+45				
869+45				
870+45				
871+45				
872+45				
873+45				
874+45				
875+45				
876+36	16'9"	48"	East/side	End trench

DATE: 10-16-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 73	PROJECT: SCPIS-41-14 3W

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING

872+94 CULVERT [3614+07.1 NCRRA]
872+98 FIBER MARKER 43' RT [3614+03.3, 6' LT NCRRA]
STD. 4HZ MARKER POLE 37'0LS
876+14 RR MILE MARKER 70 [3611+06.7 NCRRA]
877+58 CULVERT [3609+62.5 NCRRA]
881+15 FIBER MARKER 51' RT [3606+05.0, 16' LT NCRRA]
STD. 4HZ MARKER POLE 37'0LS

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 18, T9N AND R8W
MDB&M

SACRAMENTO

N

MATCH LINE
SHT. 074 870+94 MATCH LINE STD 1733

EQUATION
871+03 BK.=
871+14 AHD.
-11

CULVERT

NORTHWESTERN PACIFIC RAILROAD
MAINLINE

18'0LS 48"

PROPOSED WILLIAMS FIBER ROUTE

RR MP 70

R/W

50'-0"

35'-0"

MATCH LINE
SHT. 076 883+05

CULVERT

END TRENCH / BEG TRENCH

D/R-JIMTOWN-2

D/R-JIMTOWN-2

48"

18'0LS

871+45 871+36 871+36 871+36

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
865+45	18"4/5	48"	East/side	start trench
866+45				
867+45				
868+45				
869+45				
870+45				
871+45				
872+45				
873+45				
874+45				
875+45				
876+36	18"4/5	48"	East/side	End trench

DATE: 10-16-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Steicklund
ALIGN. SHT. # 73	PROJECT: 99P1541-14 3W

Williams

WILLIAMS COMUNICATIONS

~~POINT ARENA TO SACRAMENTO~~

PROFILE SHEET

DESCRIPTION: Inspect T. N. P. 2x1.5 & 1x1.25 HDPE

CONTRACTOR: Henkels & McCoy

INSPECTOR: Joe Millan

DATE: 10/17/00

DWG# # 075-076-077

LOCATION: N.W. Pacific Rail Road

STATION	OFFSET	DEPTH	NOTES
876+36	18'0/s	48"	Begin TNP 2x1.5 & 1x1.25 HDPE
877+36	18'0/s	48"	
878+36	18'0/s	48"	
879+36	18'0/s	48"	
880+36	18'0/s	48"	
881+36	18'0/s	48"	
882+36	18'0/s	48"	
883+36	18'0/s	48"	
884+36	18'0/s	48"	
885+36	18'0/s	48"	
886+36	18'0/s	48"	
887+36	18'0/s	48"	
888+36	18'0/s	48"	
889+36	18'0/s	48"	
890+36	18'0/s	48"	
891+36	18'0/s	48"	
892+36	18'0/s	48"	
893+36	18'0/s	48"	
894+36	18'0/s	48"	
895+36	18'0/s	48"	
895+88	18'0/s	48"	END TNP 2x1.5 & 1x1.25 HDPE

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 18, T9N AND R8W
MDB&M

SACRAMENTO

N

PROPOSED WILLIAMS FIBER ROUTE

NORTHWESTERN PACIFIC RAILROAD
MAINLINE

CULVERT

FIBER

MATCH LINE
SHT. 075 883+05

MATCH LINE
SHT. 077 895+15

50'-0"
35'-0"
25'-0"
30'-0"
R/W
T
X

883+00 884+00 885+00 886+00 887+00 888+00 889+00 890+00 891+00 892+00 893+00 894+00 895+00

48"

883+05 895+15

18'0.1S

883+36 884+36 885+36 886+36 887+36 888+36 889+36 890+36 891+36 892+36 893+36 894+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
1210' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)
12" – STEEL PIPE

883+05
895+15
1210'
1.11
2-1.5" HDPE
1-1.25" HDPE
JOE MILLAN
10.17.00
HEM

INBLACK 1.25"HDPE
6.12 PD BY JR SMITS 5.16.01

REV-1

890+54 R/L CHANGE [3596+64.8 NCRRA]
890+64 R/L CHANGE [3596+64.8 NCRRA]
890+69 NCRRA R/W CHANGE [3596+59.8 NCRRA]
891+12 BEGIN STEEL PIPE [3596+16.7' NCRRA]
891+18 CULVERT [3596+10.7' NCRRA]
891+30 FIBER MARKER 36' RT [3595+98.7, 11' LT NCRRA]
891+24 END STEEL PIPE [3596+04.7 NCRRA]
S83°11'42"E MARKER POLE 37.0 LT

D-JIMTOWN-1

TRENCH
42" MINIMUM DEPTH

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
- EC 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
1-888-265-2283

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : TET	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-076-SPRD 4	

Williams

WILLIAMS COMUNICATIONS

~~POINT ARENA TO SACRAMENTO~~

PROFILE SHEET

DESCRIPTION: Inspect T. N. P. 2x 1.5 & 1x 1.25 HDPE

CONTRACTOR: Henkels & McCoy

INSPECTOR: Joe Millan

DATE: 10/17/00

DWG# # 075-076-077

LOCATION: N.W. Pacific Rail Road

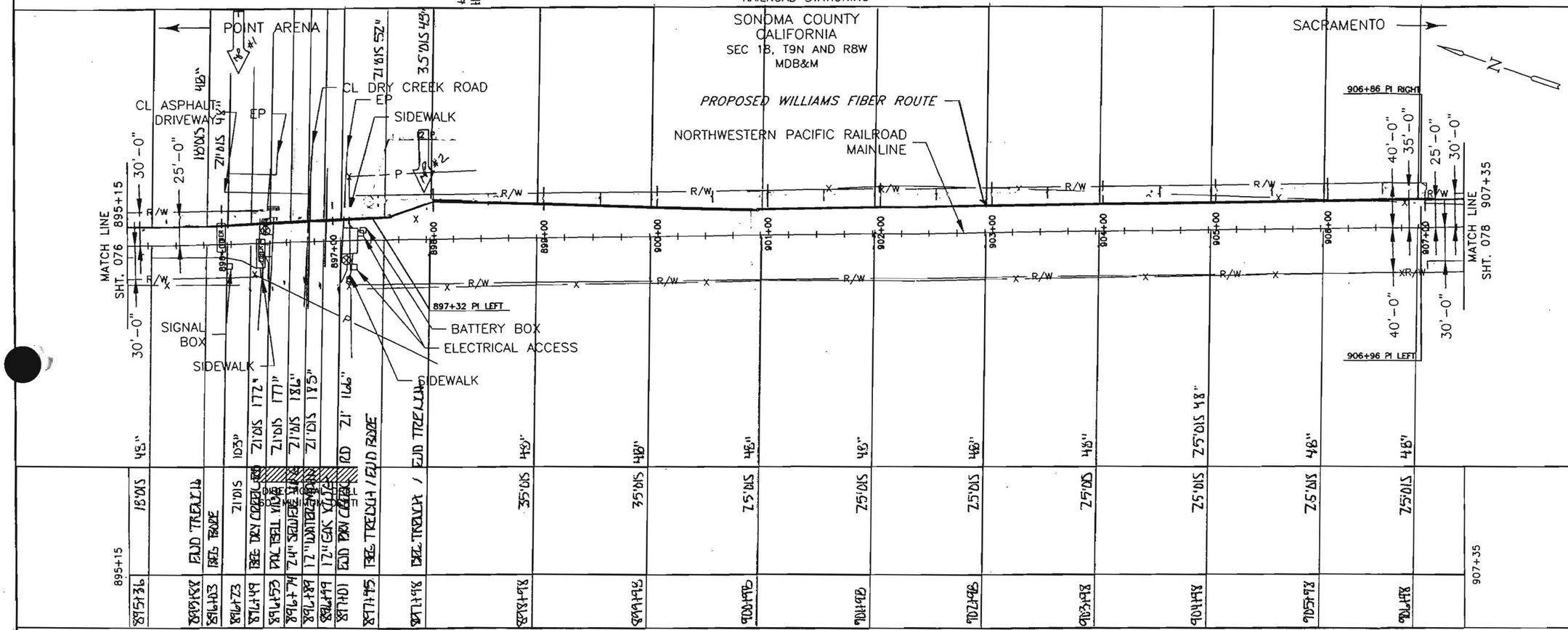
STATION	OFFSET	DEPTH	NOTES
876+36	18'0/s	48"	Begin TNP 2x1.5 & 1x1.25 HDPE
877+36	18'0/s	48"	
878+36	18'0/s	48"	
879+36	18'0/s	48"	
880+36	18'0/s	48"	
881+36	18'0/s	48"	
882+36	18'0/s	48"	
883+36	18'0/s	48"	
884+36	18'0/s	48"	
885+36	18'0/s	48"	
886+36	18'0/s	48"	
887+36	18'0/s	48"	
888+36	18'0/s	48"	
889+36	18'0/s	48"	
890+36	18'0/s	48"	
891+36	18'0/s	48"	
892+36	18'0/s	48"	
893+36	18'0/s	48"	
894+36	18'0/s	48"	
895+36	18'0/s	48"	
895+88	18'0/s	48"	END TNP 1x1.5 & 1x1.25 HDPE

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

895+99 FIBER MARKER 40' RT [3590+29.1 NCRRA]
896+28 BEGIN STEEL PIPE [3590+99.0 NCRRA]
896+40 SIGNAL POLE 14' RT [3590+88.0 NCRRA]
896+41 SIGNAL POLE 15' RT [3590+87.0 NCRRA]
896+47 WATER INLET 5' LT [3590+81.0 30' RT NCRRA]
896+35 SIDEWALK [3590+93.0 NCRRA]
896+48 EDGE OF PAVEMENT [3590+80.0 NCRRA]
896+79 CL OF ROAD [3590+49.0 NCRRA]
897+10 EDGE OF PAVEMENT [3590+17.9 NCRRA]
897+15 SIDEWALK [3590+12.9 NCRRA]
897+15 POWER POLE 33' LT [3590+11.9 57' RT NCRRA]
897+29 END STEEL PIPE [3589+98.9 NCRRA]
897+32 R/L CHANGE [3589+95.9 NCRRA]
897+42 R/L CHANGE [3589+95.9 NCRRA]
897+84 TELEGRAPH POLE 17' RT [3589+53.8 18' RT NCRRA]
898+41 MARKER POLE 27' LT
899+14 MARKER POLE 30' LT

906+86 R/L CHANGE [3580+50.6' NCRRA]
906+96 R/L CHANGE [3580+50.6' NCRRA]
907+01 NCRRA R/W CHANGE [3580+45.6 NCRRA]

RAILROAD STATIONING



895+15	895+36	895+88	896+03	896+23	896+49	896+53	896+74	896+89	896+99	897+01	897+15	897+29	897+32	897+42	897+84	898+41	899+14	906+86	906+96	907+01	907+35
	18'DIS	EOD TRENCH	EOD TRENCH	21'DIS	TREE DRY COBBLED OVER	PAD TRAIL MOUNT	PAD TRAIL MOUNT	12"DIAMETER	12" OAK VOLTA	EOD TREE CLUSTER	TREE TRENCH / EOD ROUTE	TREE TRENCH / EOD ROUTE	35'DIS	35'DIS	35'DIS	35'DIS	35'DIS	35'DIS	35'DIS	35'DIS	35'DIS	
	48"			103"	21'DIS 172"	21'DIS 177"	21'DIS 186"	21'DIS 195"	21' 146"				48"	48"	48"	48"	48"	48"	48"	48"	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
1220' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)
100' – STEEL PIPE

895+15	895+88	896+03	897+98
895+88	896+03	897+45	907+35
73'	15'	142'	937'
1.11 1-1.5" HDPE 1-1.25" HDPE JOE MILLAN 10.00	TREE TRENCH 2-1.5" HDPE 1-1.25" HDPE J MCKAY 10_1.09_01 HDPE	TREE 2-1.5" HDPE 1-1.25" HDPE J MCKAY 12.13.00 HDPE	1.11 2-1.5" HDPE 1-1.25" HDPE KSTRICKLAND 10_18_00 HDPE

IN BLACK 1.25" HDPE
LAID PD BY JR SMITS 5.16.01

REV-1

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
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : TET	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-077-SPRD 4	

Williams

WILLIAMS COMUNICATIONS

Point Arena To Sacramento

PROFILE SHEET

DESCRIPTION: Inspect T. N. P. 2x1.5 & 1x1.25 HDPE

CONTRACTOR: Henkels & McCoy

INSPECTOR: Joe Millan

DATE: 10/17/00

DWG# #075-076-077

LOCATION: N.W. Pacific Rail R.

STATION	OFFSET	DEPTH	NOTES
876+36	18'0/s	48"	Begin TNP 2x1.5 & 1x1.25 HDPE
877+36	18'0/s	48"	
878+36	18'0/s	48"	
879+36	18'0/s	48"	
880+36	18'0/s	48"	
881+36	18'0/s	48"	
882+36	18'0/s	48"	
883+36	18'0/s	48"	
884+36	18'0/s	48"	
885+36	18'0/s	48"	
886+36	18'0/s	48"	
887+36	18'0/s	48"	
888+36	18'0/s	48"	
889+36	18'0/s	48"	
890+36	18'0/s	48"	
891+36	18'0/s	48"	
892+36	18'0/s	48"	
893+36	18'0/s	48"	
894+36	18'0/s	48"	
895+36	18'0/s	48"	
895+88	18'0/s	48"	END TNP 2x1.5 & 1x1.25 HDPE

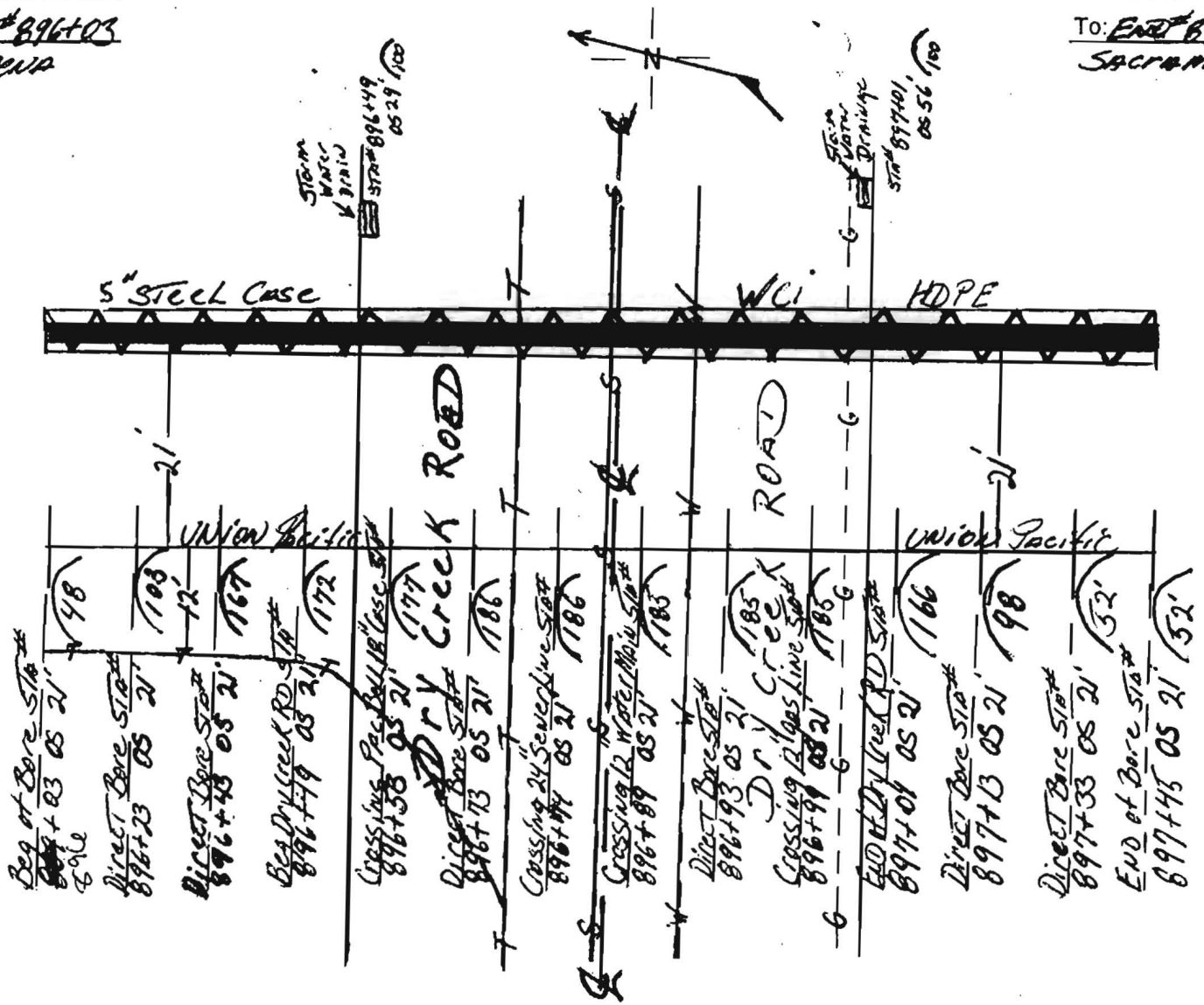
Williams Construction As-Built Documentation

Spread Location: Pt Area To Sac
Spread No. #3
AFE No. 4873
Contract No. 99P1541-14

Date 1-7-15
Page No. 1 of
Drawing #: 077

From: Beg # 896+03 Point Arena

To: End # 897+45 Sacramento



Notes: Direct Bore As Built with 5" Steel Casing Dry Creek RD Crossing. Footage of Bore and 6" Steel Casing 142	County: Sonoma	Contractor: Hawkins & McCoy
	Duct Configuration: 2-1½-1-1¼	Inspector: Jeff D McKoy

Williams

Williams Construction - As-Built Documentation

Spread Location: Pt. Arena To Sac

Spread No. 3

AFE No. 4873

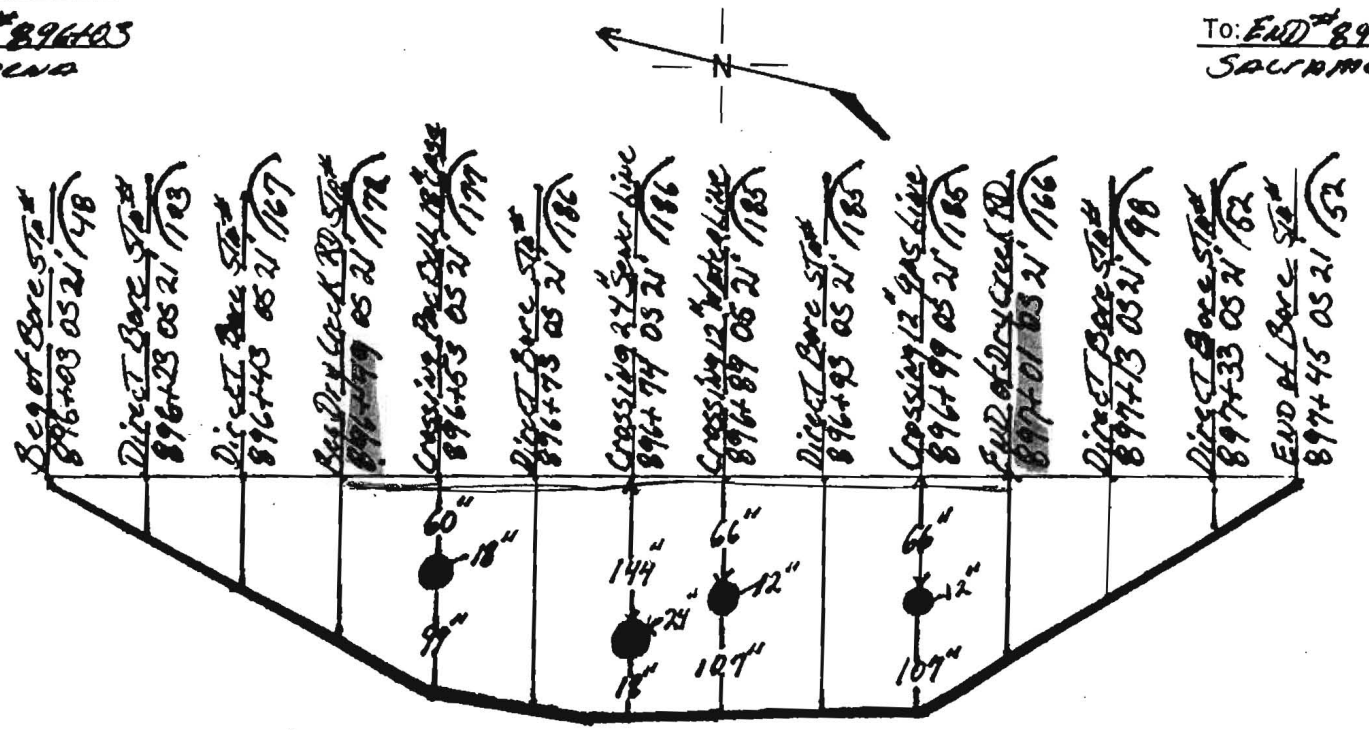
Contract No. 99P1541-14

Page No. 1 of

Drawing #: 077

From: Beg @ 896+03
Pt Arena

To: End @ 897+45
Sacramento



Notes: Direct Bore Profile See Direct Bore Dated 12-13-00 Dry Creek Road Crossing Footage 148'	County: Sonoma	Contractor: Haakes + McCoy
	Duct Configuration: 2-1½-1-1¼	Inspector: Jeff McKoy

Williams

Williams Construction As-Built Documentation

Spread Location: Point Arena To Soc

Spread No. 23

AFE No. 4875

Contract No. 99P1541-14

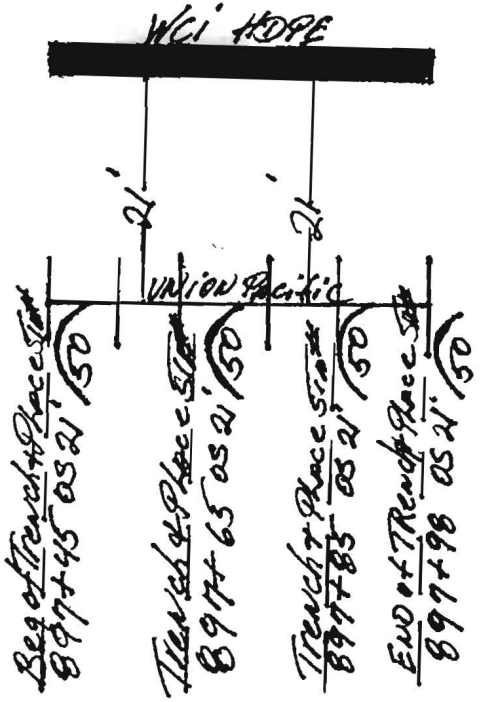
Page No. 1 o.

Drawing #: 077

From: Beg @ 897+45 Point Arena

N

To: End @ 897+98 Sacramento



Notes: Trench & Place Asbuilt. Footage 53'	County: Sonoma	Contractor: Henkels & McCoy
	Duct Configuration: 2-1½-1-1¼	Inspector: Jeff D McKoy

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
897+98	35'0/s	48"		Begin trench
898+98	35'0/s			
899+98	35'0/s			
900+98	25'0/s			
901+98	25'0/s			1254'
902+98	25'0/s			
903+98	25'0/s			
904+98	25'0/s			
905+98	25'0/s			
906+98	25'0/s			
907+98	25'0/s			
908+98	20'0/s			
909+98	20'0/s			
910+98	20'0/s			
911+52	20'0/s	48"		End trench
916+86	20'0/s	48"		start trench
917+86	20'0/s			
918+86	19'0/s			420'
919+86	18'0/s			
920+86	18'0/s			
921+06	17'0/s	48"		End trench

DATE: 10-18-00	CONTRACTOR: Mikes
COUNTY: Sonoma	INSPECTOR: Penny Starkey
ALIGN. SHT. # 73, 74	PROJECT: 4897

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
923+89	15'0/s	48"		Begin TNP HDPE 2x1.5 & 1x1.25
924+89	15'0/s	48"		
925+89	15'0/s	48"		
926+89	15'0/s	48"		
927+89	15'0/s	48"		
928+89	15'0/s	48"		
929+89	15'0/s	48"		
930+89	15'0/s	48"		
931+89	15'0/s	48"		
932+89	15'0/s	48"		
933+24	15'0/s	48"		8" DRAIN & @ 36" SEPERATION
933+89	15'0/s	48"		
934+68	15'0/s	48"		2" WATER & @ 24" SEPERATION
934+89	15'0/s	48"		
935+01	15'0/s	48"		END TNP HDPE 2x1.5 & 1x1.25

DATE: 10/18/00
COUNTY: SONOMA
ALIGN. SHT. # 79 & # 80

CONTRACTOR: Henkels & McCoy
INSPECTOR: Joe Millan
PROJECT: Point Arena to Sacramento

003

AMS AS - BUILT- SURVEY

OREIGN UTILITY CROSSING

nd

Sacramento

North Arrow

STA. # 933+19

STA. # 933+25

Top of Road

4 in.

M.P

STA.# 933+24

Type of Utility & Size

6" water

49 in.

5 in.

36 in.

5 ft.

5 ft.

SIZE: 5" Steel

Proposed Williams Fiber Route

D	TYPE OF CROSSING: foreign
m #	CONTRACTOR: Mankus
O	INSPECTOR: Joe Millan
77	

IRVEY

G

Sacramento

North Arrow

341+73

y & Size

for 48 in.

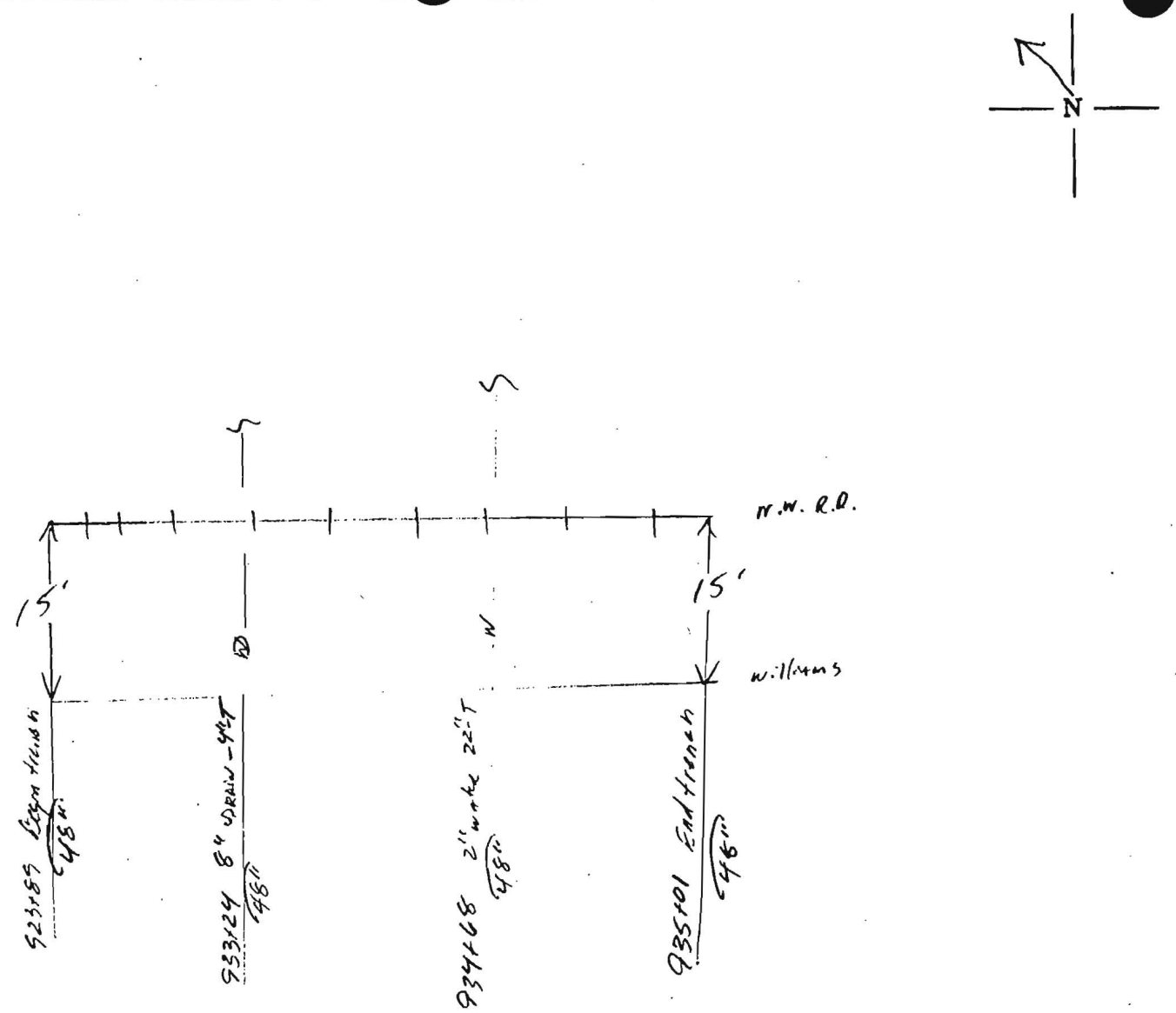
SSING: foreign

: Mankus

Joe Millan

CONSTRUCTION AS-BUILT DOCUMENTATION

	PROJECT #	ALIGN. SHEET #	SHEET #
1[illegible]-00	4877	80	48[illegible]



NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
2-1 1/2 1-1 1/4	Kenny Gickland

OWNERSHIP | NORTH COAST RAILROAD ASSOCIATION

909+39 NCRRA R/W CHANGE [3576+07.3 NCRRA]
909+44 R/L CHANGE [3576+02.3 NCRRA]
909+54 R/L CHANGE [3576+02.3 NCRRA]
912+65 END OF BRIDGE [3574+90.9 NCRRA]
912+91 END OF BRIDGE [3574+64.9 NCRRA]
914+55 R/L CHANGE [3573+00.7 NCRRA]
914+70 R/L CHANGE [3573+00.7 NCRRA]
914+76 NCRRA R/W CHANGE [3572+94.6 NCRRA]
916+96 MARKER TYPE "ZT" DI'S LT
917+02 NCRRA R/W CHANGE [3570+68.3 NCRRA]
917+08 R/L CHANGE [3570+62.3 NCRRA]
917+23 R/L CHANGE [3570+62.3 NCRRA]
917+63 BATTERY BOX 48" RT [3570+22.3, 13' LT NCRRA]

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 21, T9N AND R8W
MDB&M

SACRAMENTO

PROPOSED WILLIAMS FIBER ROUTE

D/R-HEALDSBURG-22B

NORTHWESTERN PACIFIC RAILROAD MAINLINE

RAILROAD BRIDGE

CULVERT

D/R-HEALDSBURG-21A

MATCH LINE SHT. 077 907+35

MATCH LINE SHT. 079 919+75

909+54 PI RIGHT
909+44 PI LEFT
914+55 PI RIGHT
914+70 PI LEFT
917+23 PI RIGHT
917+08 PI LEFT

BATTERY BOX

20'DIS 48"

30'-0" 25'-0" 35'-0" 50'-0" 20'-0"

R/W PL X

907+00 908+00 909+00 910+00 911+00 912+00 913+00 914+00 915+00 916+00 917+00 918+00 919+00

907+35 | 908+48 | 909+48 | 910+48 | 911+52 | 911+86 | 918+86 | 919+75

PUD TRENCH

WILL NOT BE PUDDLE

TIED TRENCH

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
1240' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

907+35
911+52
417'
LT
2-1.5" HDPE
1-1.25" HDPE
K.STRICKLAND
10_18_00
.007

911+86
919+75
"Z89'
2-1.5" HDPE
1-1.25" HDPE
K.STRICKLAND
10_18_00
HDM
LT

6.12 PD BY JR SHTS 5_16_01

IN BLACK 1.25" HDPE

6.12 PD BY JR SHTS 5_16_01 TRENCH DIRE

REV-1

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

1-800-528-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-265-2283

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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : TET	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 006001	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-078-SPRD 4	

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
897+98	35'0/s	48"		Begin trench
898+98	35'0/s			
899+98	35'0/s			
900+98	25'0/s			
901+98	25'0/s			1254'
902+98	25'0/s			
903+98	25'0/s			
904+98	25'0/s			
905+98	25'0/s			
906+98	25'0/s			
907+98	25'0/s			
908+98	20'0/s			
909+98	20'0/s			
910+98	20'0/s			
911+52	20'0/s	48"		End trench
916+86	20'0/s	48"		Start trench
917+86	20'0/s			
918+86	19'0/s			426'
919+86	18'0/s			
920+86	18'0/s			
921+04	17'0/s	48"		End trench

DATE: 10-16-00	CONTRACTOR: Hawkins
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 73, 74	PROJECT: 4887

Page__ of __

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
923+89	15'0/s	48"		Begin TNP HDPE 2x1.5 & 1x1.25
924+89	15'0/s	48"		
925+89	15'0/s	48"		
926+89	15'0/s	48"		
927+89	15'0/s	48"		
928+89	15'0/s	48"		
929+89	15'0/s	48"		
930+89	15'0/s	48"		
931+89	15'0/s	48"		
932+89	15'0/s	48"		
933+24	15'0/s	48"		8" DRAIN & @ 36" SEPERATION
933+89	15'0/s	48"		
934+68	15'0/s	48"		2" WATER & @ 24" SEPERATION
934+89	15'0/s	48"		
935+01	15'0/s	48"		END TNP HDPE 2x1.5 & 1x1.25

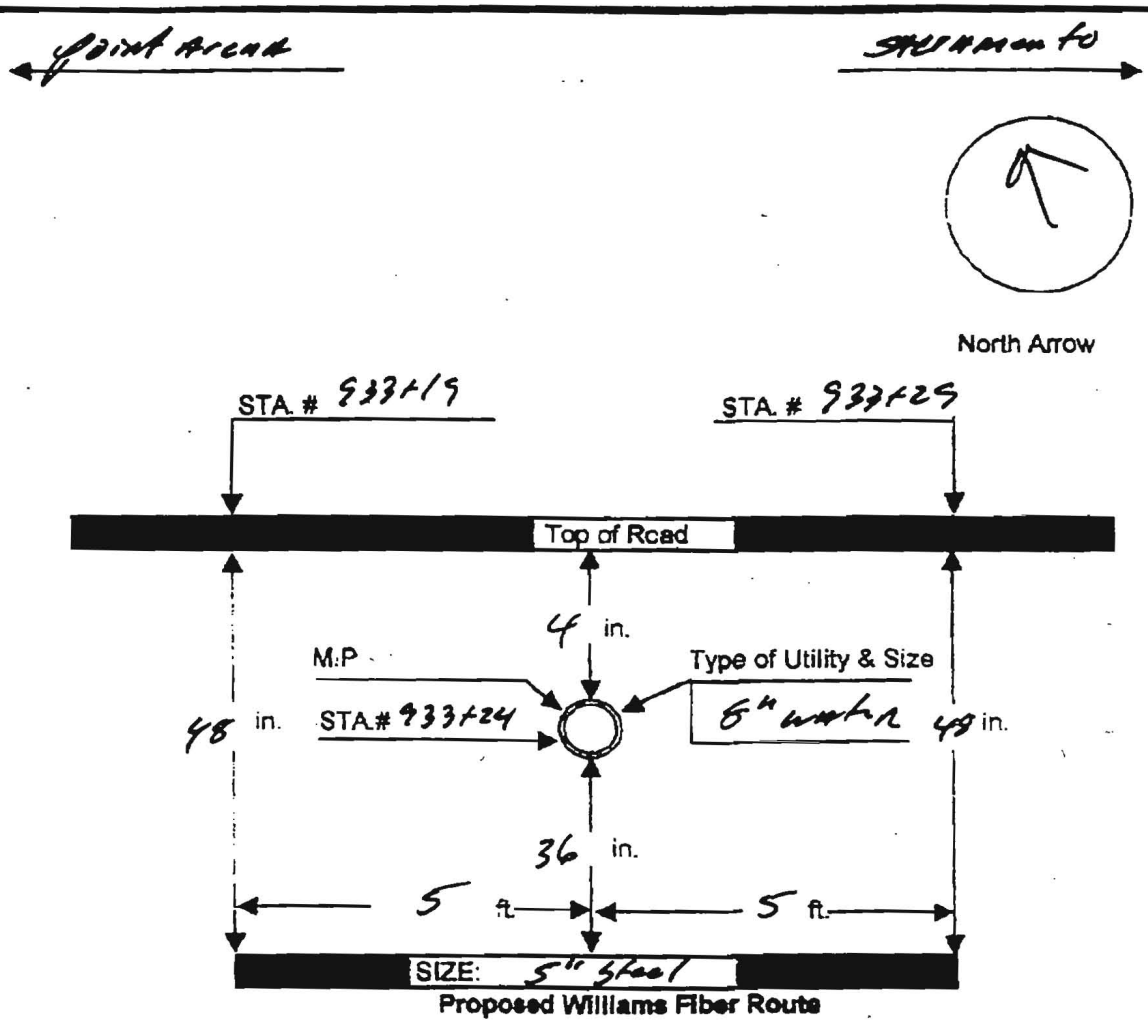
DATE: 10/18/00 CONTRACTOR: Henkels & McCoy

COUNTY: Sonoma INSPECTOR: Joe Millan

ALIGN. SHT. # 79 & # 80 PROJECT: Point Arena to Sacramento

WILLIAMS AS - BUILT- SURVEY

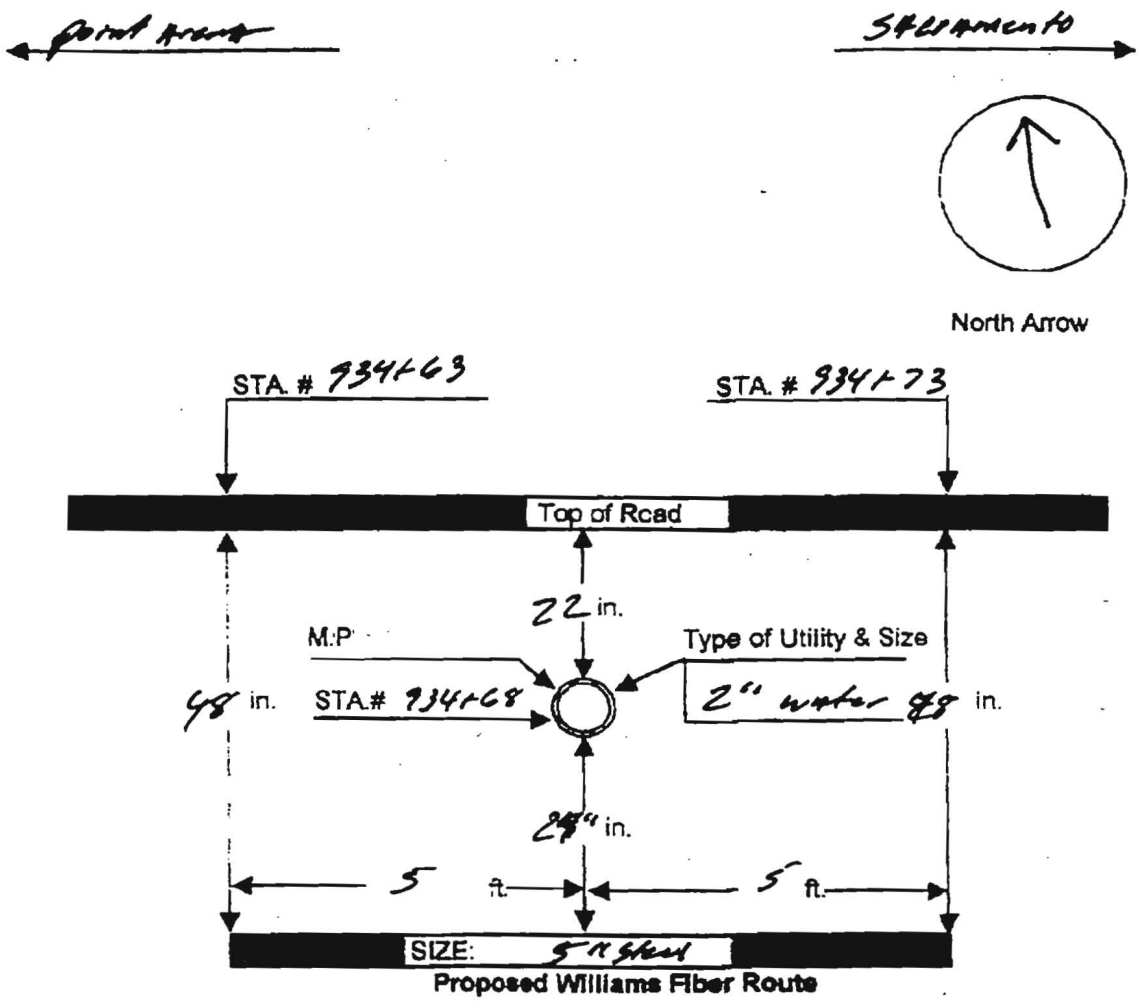
FOREIGN UTILITY CROSSING



DATE: 10-18-00	TYPE OF CROSSING: foreign
COUNTY: Sonoma	CONTRACTOR: Hinkels
ALIGN. SHT.# 80	INSPECTOR: Joe Millam
PROJECT: 4877	

WILLIAMS AS - BUILT- SURVEY

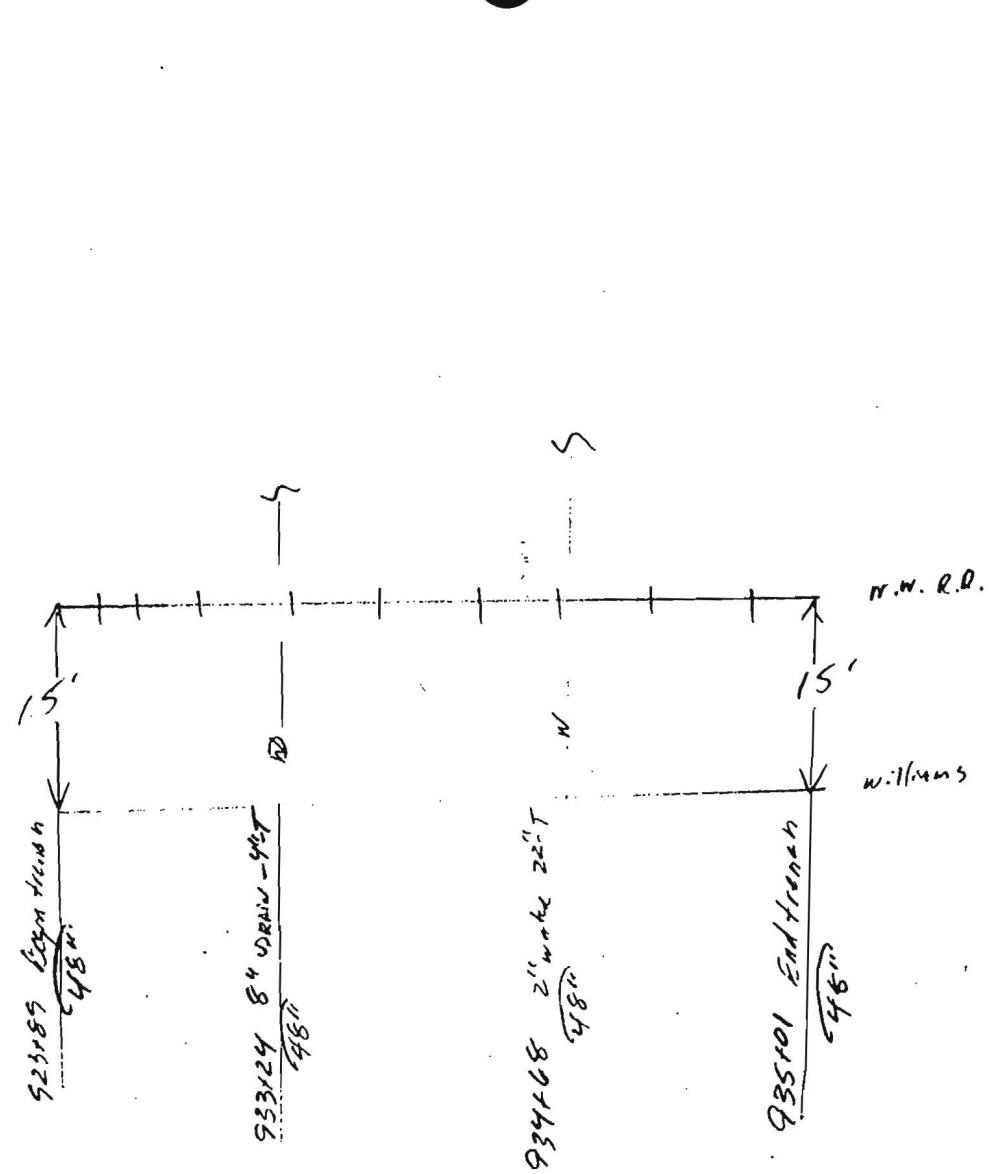
FOREIGN UTILITY CROSSING



DATE: 10-16-00	TYPE OF CROSSING: foreign
COUNTY: Sonoma	CONTRACTOR: Hinkle
ALIGN. SHT.# 80	INSPECTOR: Joe Miller
PROJECT: 4877	

CONS[illegible]TION AS-BUILT DOCUMENTATION

1[illegible]-00	PROJECT # 4677	80	48[illegible]



NOTES:	COUNTY	CONTRACTOR
	Sonoma	Hinkels
	DUCT CONFIGURATION	INSPECTOR
	2-1 1/2 1-1 1/4	Kenny [illegible]

OWNERSHIP: NORTH COAST RAILROAD ASSOCIATION

RAILROAD STATIONING

POINT ARENA ← | → SACRAMENTO

SONOMA COUNTY
CALIFORNIA
SEC 21, T9N AND R8W
MDB&M

D/R-HEALDSBURG-21

NORTHWESTERN PACIFIC RAILROAD
MAINLINE

CL FOSS CREEK

922+87 PI RIGHT

923+52 PI RIGHT

RAILROAD BRIDGE

CULVERT

RR MP 69

PROPOSED WILLIAMS FIBER ROUTE

MATCH LINE
SHT. 078 919+75

MATCH LINE
SHT. 080 932+39

D/R-HEALDSBURG-21A

DIRECTIONAL DRILL 60" MINIMUM DEPTH

JACK AND BORE MINIMUM DEPTH

WILL NOT BE DONE

END TRENCH

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

1264' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

75' – STEEL PIPE

65' – STEEL PIPE

919+75
921+06
131'
1.11
2-1.5" HDPE
1-1.25" HDPE
KSTRICKLAND
10.18.00
M

923+89
932+39
850'
1.11
2-1.5" HDPE
1-1.25" HDPE
KSTRICKLAND
10.18.00
HM

6.12 PD BY JR SMITS 5.16.01

IN BLACK 1.25" HDPE
6.12 PD BY JR SMITS 5.16.01
6 GA TRACER

REV-1

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
1-888-265-2283
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
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : TET	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) :	1"=100'
VERTICAL SCALE (DWG) :	1"=100'
VERTICAL SCALE (PROF) :	1"=100'
MAP PROJECTION :	MAP-PROJECTION
DRAWING NUMBER :	PTAR-SACR-079-SPRD 4

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
897+98	35'0/s	48"		Begin trench
898+98	35'0/s			
899+98	35'0/s			
900+98	25'0/s			
901+98	25'0/s			1254'
902+98	25'0/s			
903+98	25'0/s			
904+98	25'0/s			
905+98	25'0/s			
906+98	25'0/s			
907+98	25'0/s			
908+98	20'0/s			
909+98	20'0/s			
910+98	20'0/s			
911+52	20'0/s	48"		End trench
916+86	20'0/s	48"		Start trench
917+86	20'0/s			
918+86	19'0/s			420'
919+86	18'0/s			
920+86	18'0/s			
921+04	17'0/s	48"		End trench

DATE: 10-16-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 73, 74	PROJECT: 4887

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

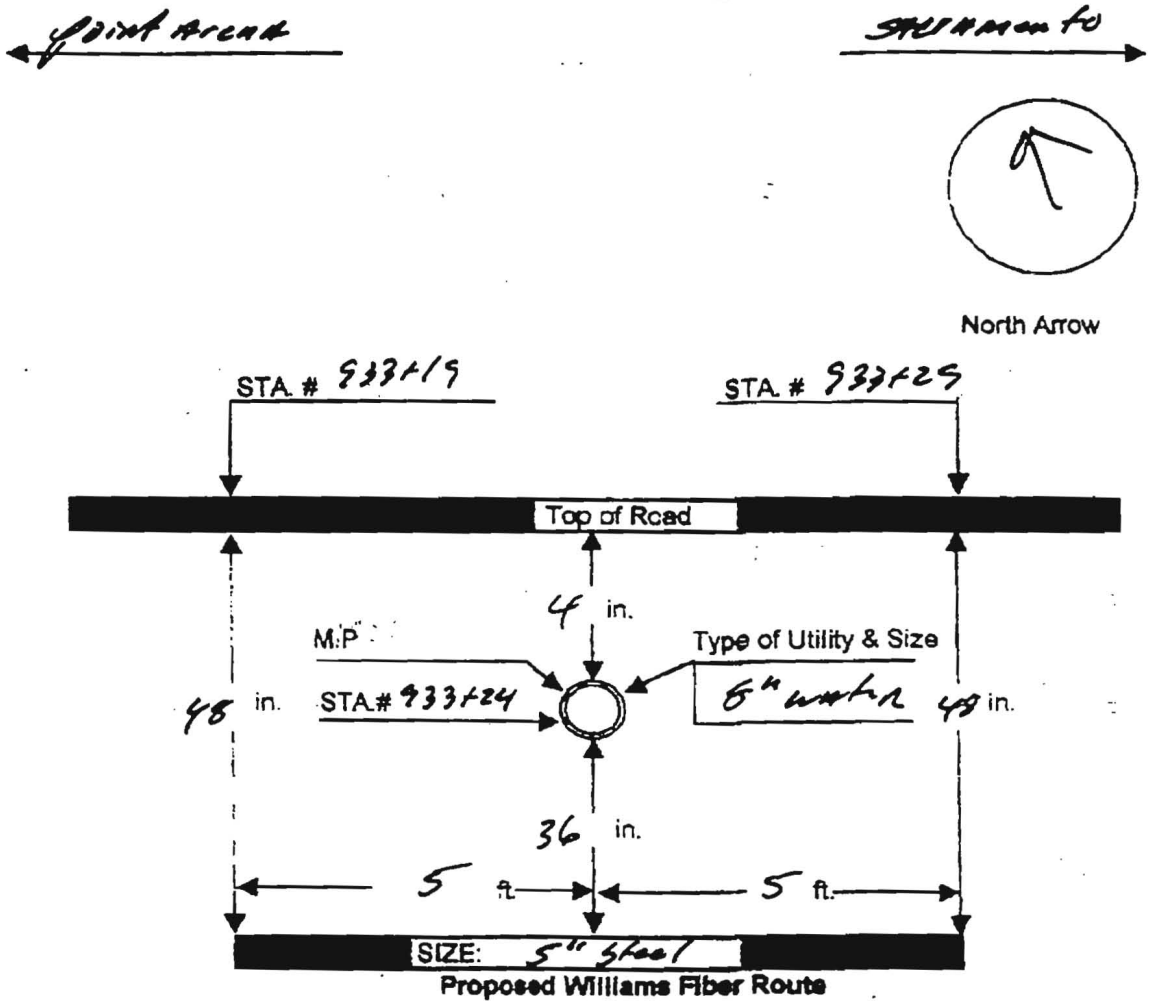
STATION #	OFF SET	DEPTH	MILE POST	REMARKS
923+89	15'o/s	48"		Begin TNP HDPE 2x1.5 & 1x1.25
924+89	15'o/s	48"		
925+89	15'o/s	48"		
926+89	15'o/s	48"		
927+89	15'o/s	48"		
928+89	15'o/s	48"		
929+89	15'o/s	48"		
930+89	15'o/s	48"		
931+89	15'o/s	48"		
932+89	15'o/s	48"		
933+24	15'o/s	48"		8" DRAIN & @ 36" Seperation
933+89	15'o/s	48"		
934+68	15'o/s	48"		2" WATER & @ 24" Seperation
934+89	15'o/s	48"		
935+01	15'o/s	48"		END TNP HDPE 2x1.5 & 1x1.25

DATE: 10/18/00
COUNTY: Sonoma
ALIGN. SHT. # 79 & # 80

CONTRACTOR: Henkels & McCoy
INSPECTOR: Joe Millan
PROJECT: Point Arena to Sacramento

WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING

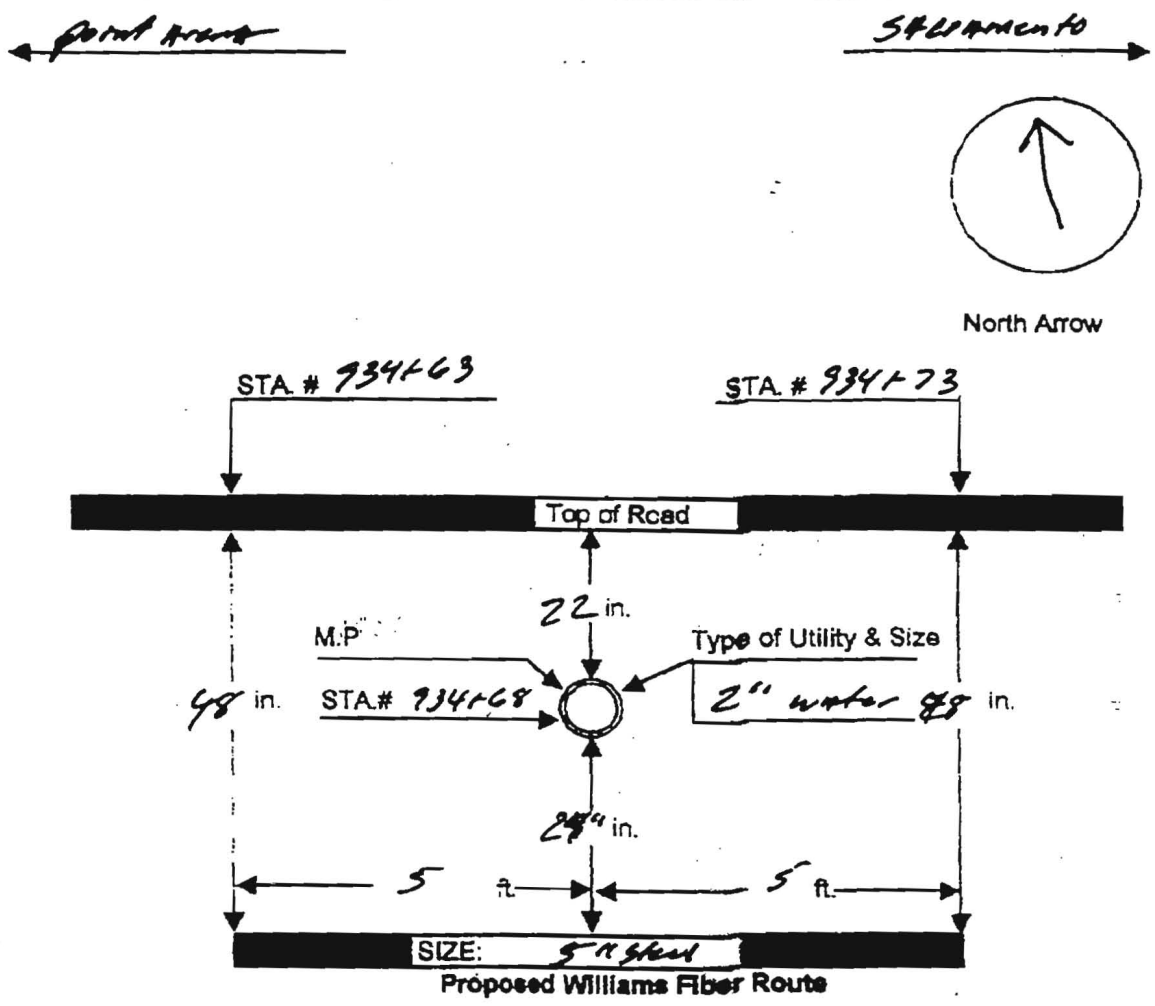


Proposed Williams Fiber Route

DATE: 10-18-00	TYPE OF CROSSING: foreign
COUNTY: Sonoma	CONTRACTOR: Mankato
ALIGN. SHT.# 60	INSPECTOR: Joe Millan
PROJECT: 4877	

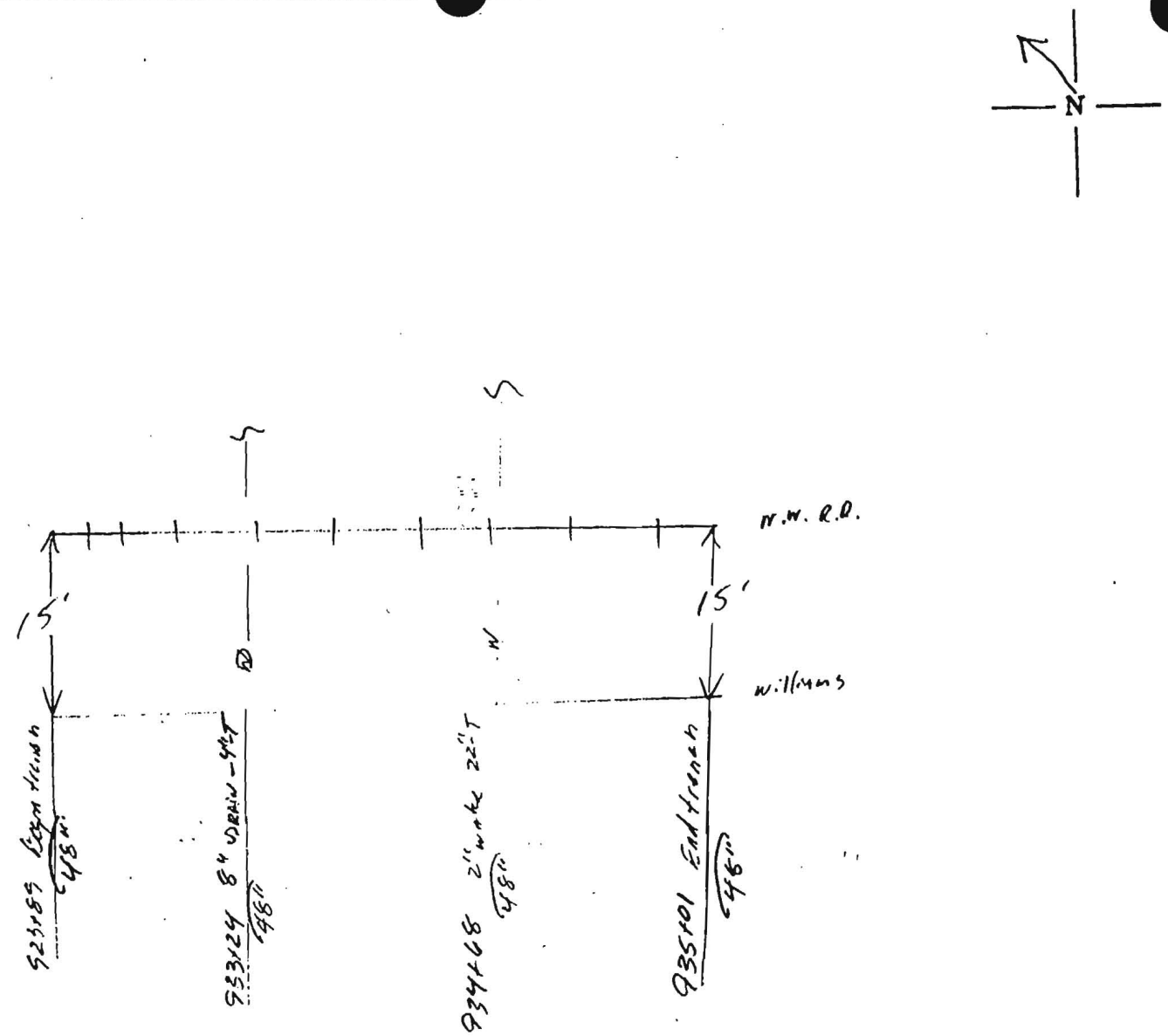
WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING



DATE: 10-18-00	TYPE OF CROSSING: foreign
COUNTY: Sonoma	CONTRACTOR: Hanks
ALIGN. SHT.# 80	INSPECTOR: Joe Miller
PROJECT: 4833	

CONS[illegible]TION AS-BUILT DOCUMENTATION | [illegible] | [illegible]0 | 4677 | 80 | 481



NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
2-1 1/2 1-1 1/4	Kenny [illegible]

OWNERSHIP

NORTH COAST RAILROAD ASSOCIATION

933+31 CULVERT [3555+17.7 NCRRA]

935+00 STUB TABLE 12 SMITS 5.1.04

935+00 [3552+97.1 NCRRA] 6" CONCRETE PIPE

935+51 SIGNAL BOX 15' LT [3552+97.7, 15' LT NCRRA]

935+52 CULVERT [3552+96.7 NCRRA]

935+66 MANHOLE 6' LT [3552+82.7, 24' LT NCRRA]

935+71 POWER POLE 16' LT [3552+77.7, 14' LT NCRRA]

935+75 POWER POLE 80' [3552+73.7, 50' RT NCRRA]

935+78 SIGNAL POLE 40' LT [3552+70.7, 10' RT NCRRA]

935+80 EDGE OF PAVEMENT [3552+68.7, NCRRA]

935+87 R/L CHANGE
PLACE HANDHOLE
936+87 END 6" PIPE
[3552+61.7 NCRRA]

RAILROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 21, T9N AND R8W
MDB&M

SACRAMENTO

N

D/R-HEALDSBURG-21

C-HEALDSBURG-1

CL GRANT STREET

PROPOSED WILLIAMS FIBER ROUTE

GUY WIRE

CULVERT

SIGNAL BOX

EP

NORTHWESTERN PACIFIC RAILROAD
MAINLINE

RAILROAD BRIDGE

50'-0"

30'-0"

R/W

MATCH LINE
SHT. 079 932+39

935+87 PI RIGHT

EQUATION
936+87 BK.=
0+00 AHD.
+93687

EXIT NORTHWESTERN
PACIFIC RAILROAD
RIGHT OF WAY
MILE POST 68.88
STATION 3551+61.7

HEADWALL

CULVERT

MATCH LINE
SHT. 081 936+87

DIRECTIONAL DRILL
60" MINIMUM DEPTH

932+39

936+87

15'DIS 48" BEL STEEL END STEEL

15'DIS 48" BEL STEEL END STEEL

15'DIS 48" END TRENCH

933+89

934+63 934+73

935+01

933+19 933+29

933+19 933+29

933+89

934+63 934+73

935+01

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

448' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

150' – STEEL PIPE

932+39	933+19	933+29	934+63	934+73
933+19	933+29	934+63	934+73	935+01
80'	10'	134'	10'	78'
1.11 2-1.5"HDPE 1-1.25"HDPE KSTRICKLAND 10.15.00 HM	1.41 81.11 5" STEEL 2-1.5" HDPE 1-1.25" HDPE KSTRICKLAND 10.18.00 HELM.	1.11 2-1.5" HDPE 1-1.25" HDPE KSTRICKLAND 10.18.00 HELM	1.11 81.41 5" STEEL 2-1.5" HDPE 1-1.25" HDPE KSTRICKLAND 10.18.00 HELM	1.11 2-1.5" HDPE 1-1.25" HDPE KSTRICKLAND 10.18.00 HELM.

IN BLACK 1.25" HDPE
L.12 PD BY JR SMITS 5-16-01

REV-1

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./JcL
- 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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1-888-265-2283

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CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	CONSTRUCTION	KDB	07/00
1	REVISIONS	KDB	08/00

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 : MTW	DATE : 08/02/00
CHECKED BY : KDB	DATE : 08/02/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 006001
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) : 1"=100'	
VERTICAL SCALE (PROF) : 1"=100'	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-080-SPRD 4	

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
897+98	35'0/s	48"		Begin trench
898+98	35'0/s			
899+98	35'0/s			
900+98	25'0/s			
901+98	25'0/s			1254'
902+98	25'0/s			
903+98	25'0/s			
904+98	25'0/s			
905+98	25'0/s			
906+98	25'0/s			
907+98	25'0/s			
908+98	20'0/s			
909+98	20'0/s			
910+98	20'0/s			
911+52	20'0/s	48"		End trench
916+86	20'0/s	48"		Start trench
917+86	20'0/s			
918+86	19'0/s			426'
919+86	18'0/s			
920+86	18'0/s			
921+04	17'0/s	48"		End trench

DATE: 10-18-00	CONTRACTOR: Hinkels
COUNTY: Sonoma	INSPECTOR: Kenny Strickland
ALIGN. SHT. # 73, 74	PROJECT: 4897

Page__ of __

DAILY TRENCHING: WILLIAMS FIBER ROUTE

DETAIL REPORT

STATION #	OFF SET	DEPTH	MILE POST	REMARKS
923+89	15'0/s	48"		Begin TNP HDPE 2x1.5 & 1x1.25
924+89	15'0/s	48"		
925+89	15'0/s	48"		
926+89	15'0/s	48"		
927+89	15'0/s	48"		
928+89	15'0/s	48"		
929+89	15'0/s	48"		
930+89	15'0/s	48"		
931+89	15'0/s	48"		
932+89	15'0/s	48"		
933+24	15'0/s	48"		8" DRAIN & @ 36" Seperation
933+89	15'0/s	48"		
934+68	15'0/s	48"		2" WATER & @ 24" Seperation
934+89	15'0/s	48"		
935+01	15'0/s	48"		END TNP HDPE 2x1.5 & 1x1.25

DATE: 10/18/00 CONTRACTOR: Henkels & McCoy

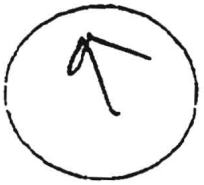
COUNTY: Sonoma INSPECTOR: Joe Millan

ALIGN. SHT. # 79 & # 80 PROJECT: Point Arena to Sacramento

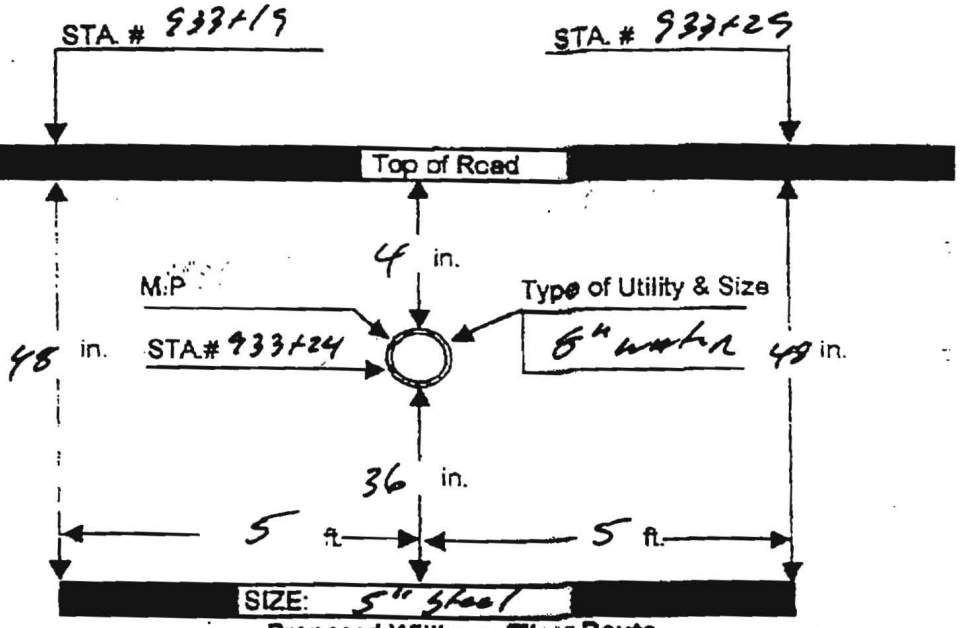
WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING

Point Arena ← → Stewarts Pt



North Arrow

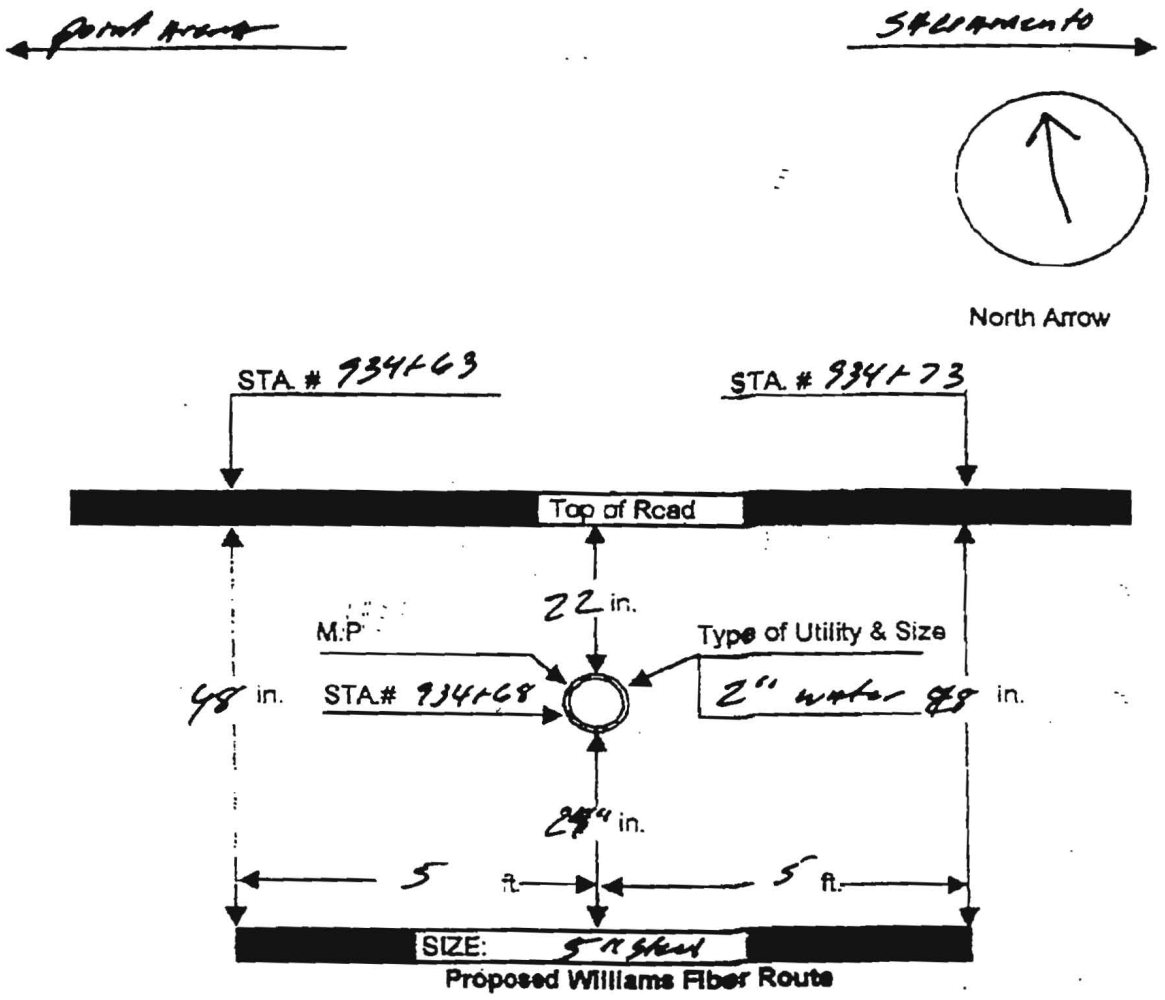


Proposed Williams Fiber Route

DATE: 10-15-00	TYPE OF CROSSING: foreign
COUNTY: Sonoma	CONTRACTOR: Nichols
ALIGN. SHT.# 80	INSPECTOR: Joe Millam
PROJECT: 4877	

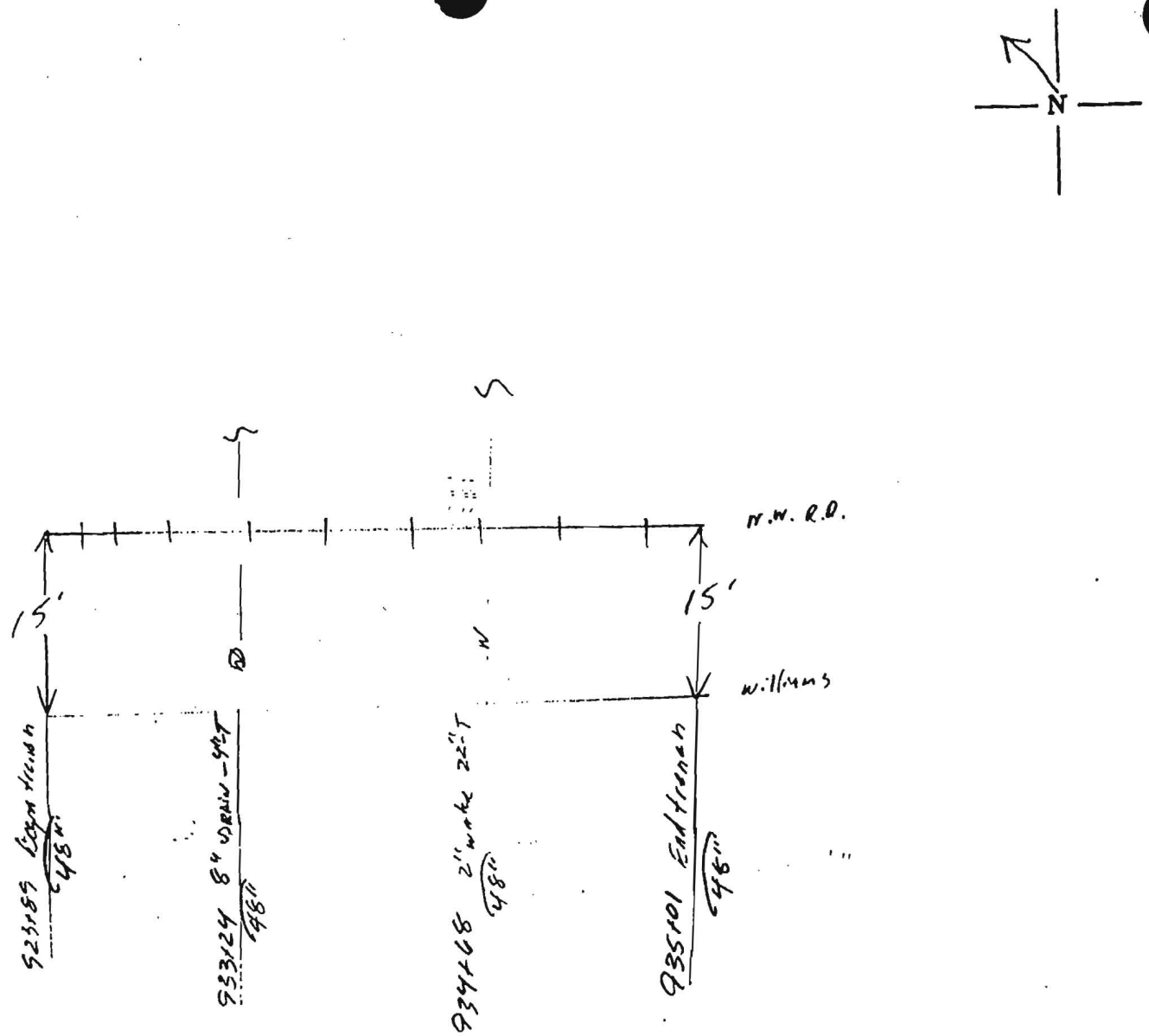
WILLIAMS AS - BUILT- SURVEY

FOREIGN UTILITY CROSSING



DATE: 10-18-00	TYPE OF CROSSING: foreign
COUNTY: Sonoma	CONTRACTOR: Hinkle
ALIGN. SHT.# 80	INSPECTOR: Joe Miller
PROJECT: 4877	

CONS[illegible]TION AS-BUILT DOCUMENTATION | [illegible] | [illegible]0 | 4877 | 20 | [illegible]



NOTES:

COUNTY	CONTRACTOR
Sonoma	Hinkels
DUCT CONFIGURATION	INSPECTOR
2 - 1 1/4 1 - 1 1/4	Henry [illegible]