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 5

January – May 2001

RECEIVED
AUG 14 2001
DRAFTING

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 5 (Highway 12) (Renegade)

Sonoma, Napa & Solano Counties - Alignment Sheets 274-329 , 347-411, 1-47 (CNRR)

Item No	Alignment Sheet	From Station	To Station	GAPS (footage)	Crossing Identification	County
1.11	274 - 286 (sheets in meters)	00+00	41+35	13,563	Highway 116 (longitudinal) (including ten DFG xings: D-Petaluma River-B+A+C+D+E+F+G; D-Sears Point-5; D-Sonoma-3+2)	Sonoma (IRU)
1.11	286 - 329 (sheets in meters)	41+81	155+98	37,448	Highways 116 / 12 / 121 (including 11 DFG xings: D-Sears Point-4+2+2A+1+1A; D/R-Sears Points-3; D-Napa-A+D; D/R-Napa-B+C+E)	Sonoma
1.11	319 - 329 (sheets in meters)	155+98	194+38	12,595	Highways 12 / 121 (longitudinal)	Napa
1.11	347 - 349	636+61	650+98	1,437	Old Sonoma Road (longitudinal)	Napa
1.11	351 - 353	665+95	677+05	1,110	Old Sonoma Road (longitudinal)	Napa
1.11	354 - 355	678+96	686+76	780	Old Sonoma Road (longitudinal)	Napa
1.11	356 - 358	690+17	707+78	1,761	Old Sonoma Road (longitudinal)	Napa
1.11	361 - 362	725+08	727+35	227	Old Sonoma Road (longitudinal)	Napa
1.11	366 - 367	753+61	757+40	379	Old Sonoma Road (longitudinal)	Napa
1.11	371 - 374	784+09	803+57	1,948	Old Sonoma Road (longitudinal) (including DFG xings: D/R-Napa-F+G+H+1; D-Napa-J+K)	Napa
1.11	383 - 393	859+63	914+10	5,447	Foster Road (longitudinal) (including DFG xing: D/R-Napa-11)	Napa
1.11	396	933+72	939+77	605		
1.11	408 - 411	1002+30	1022+00	1,970	(longitudinal) and Napa River bore	Napa
1.11	1 - 35	1354+00	1765+00	41,100	CNRR (longitudinal) (including 17 DFG xings: D-Cuttings Wharf 3+1A+2A+A+H+G+F; D/R-Cuttings Wharf-3+4+B+E; D-Cordelia-AA+A+C+CC; D/R-Cordelia-B+D)	Napa
1.11	36 - 47	1765+00	1908+53	14,353	CNRR (longitudinal)	Solano
Duct - Total GAPS: (23.6 mi)				134,723		
DFG Crossings Remaining:				45		
Item # 1.11 - Duct - Total INSTALLED: (4.6 mi)				23,026	15% complete	
Length of spread by alignment sheets:				28.2 miles		

Spread South 6 (CNRR / UPRR) (Tidwell)

Solano and Yolo Counties - Alignment Sheets 384 - 413 (CNRR) and 413 - 578 (UPRR)

Item No	Alignment Sheet	From Station	To Station	GAPS (footage)	Crossing Identification	County
1.11	384-413	1596+66	1944+45	34,779	CNRR (longitudinal) (including ten DFG xings: D-Cordelia-I, D-Fairfield South-1; D/R-Fairfield South-2+3+4+4A+5+6+7+8)	Solano
1.11	413	1944+45	1944+60	15	UPRR (begin)	Solano
1.11	523	3257+06	3282+56	2,550	South Fork Putah Creek	Solano
1.11	527	3318+90	3327+95	905	I-80 overpass (City of Davis)	Solano
1.11	543	3508+95	3514+95	600	Mace Blvd	Yolo
1.11	556-567	3643+70	3782+25	13,855	Yolo Bypass	Yolo
1.11	576-578	3882+00	3914+65	3,265	UPRR (longitudinal) to Stillwater Rd in Sacramento	Yolo
Duct - Total GAPS: (10.6 mi)				55,969		
DFG Crossings Remaining:				10		
Duct - Total INSTALLED: (33.3 mi)				175,996	75% complete	
Level 3 Joint Build (1668+45 to 1717+50):				4,905	100% complete	
Fiber - Total INSTALLED: (3.3 mi)						
	481 - 496	2766+70	2943+15	17,645	7% complete	
Length of spread by alignment sheets:				43.9 miles		

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

1881+38 MANHOLE
1881+44 BEGIN STEEL

1882+20 100'LT. GUY
1882+22 49'RT. CULVERT
1882+28 85'LT. GUY
1882+29 85'LT. POWER POLE
1882+34 75'LT. SIGN
1882+38 80'LT. SIGN
1882+46 91'LT. GUY
1882+52 END STEEL

1883+69 70'LT. POWER POLE
1883+78 66'LT. GRATE INLET

1885+38 3'RT. SIGN
1885+43 2'RT. POWER POLE

1886+20 SIGN
1886+21 33'LT. SIGN

1889+10 6'RT. POWER POLE

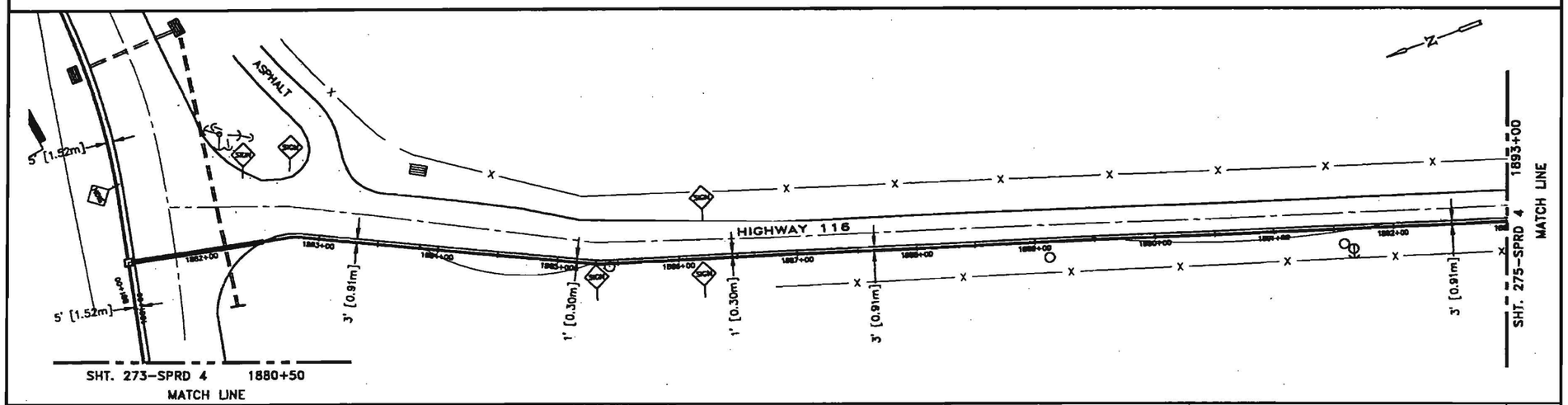
1891+65 17'RT. POWER POLE
1891+66 25'RT. GUY

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



1880+50 | 1893+00

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

REEL # N/A

N/A

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

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	

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

CONSTRUCTION

REVISIONS

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

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER : SACR-274-SPRD 4	

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

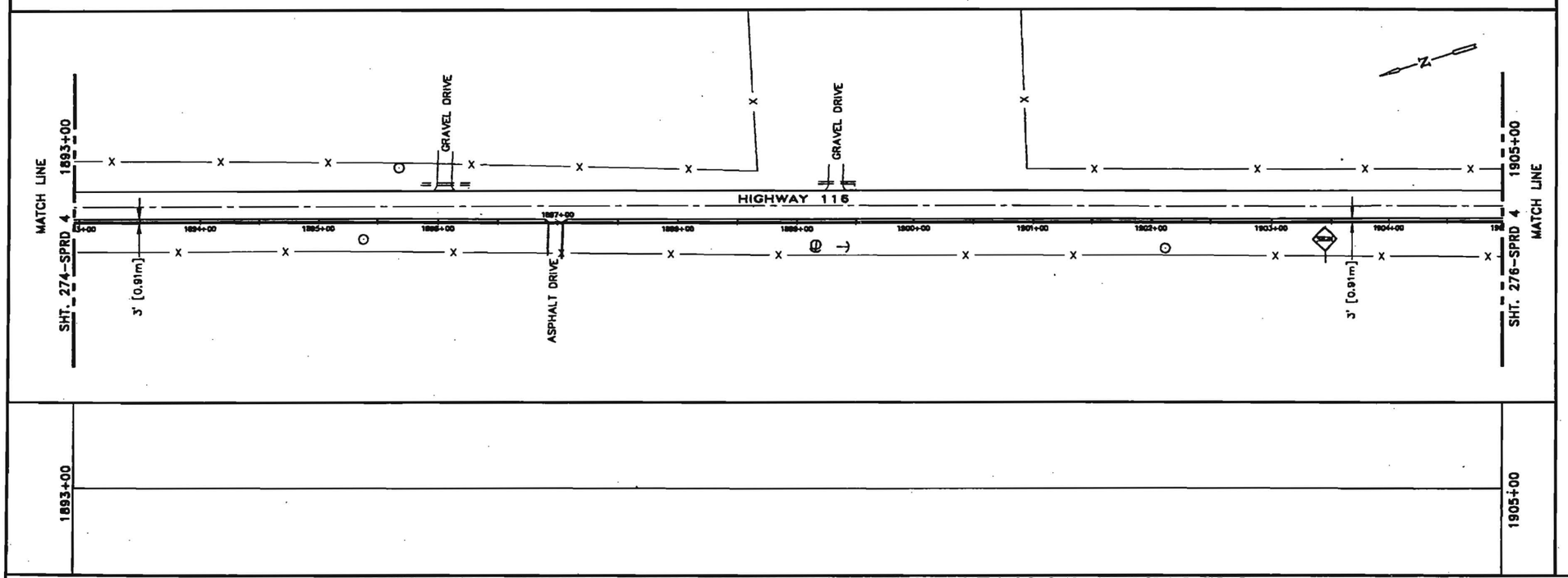
1895+37 14'RT. POWER POLE
1895+87 48'LT. POWER POLE
1895+85 31'LT. CULVERT
1896+04 26'LT. CULVERT
1896+25 29'LT. CULVERT
1896+98 2'LT. CULVERT
1898+66 43'LT. FENCE CORNER
1899+15 18'RT. POWER POLE
1899+15 24'RT. GUY
1899+17 13'LT. CULVERT
1899+37 27'LT. CULVERT
1899+43 30'RT. GUY
1899+48 30'LT. CULVERT
1900+94 45'LT. FENCE CORNER
1902+11 21'RT. POWER POLE
1903+45 3'RT. SIGN

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

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
- Bogus Site
- P.O.P./Int.
- 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

1–800–562–9069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/2
2	REVISED RUNNING LINE	MW	6/1

CABLE FIBER COUNT NFO. TYPE OF GLASS	CABLE DESCRIPTI
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
DIREDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & INNERDUC PLACEMEN
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE INNY PLACE
FUTURE–3	
FUTURE–4	

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENT
CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/0
CHECKED BY : B&V	DATE : 03/10/0
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SACR–275–SPRD

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

1905+12 16'RT. POWER POLE

1911+20 10'RT. POWER POLE

1912+99 11'RT. SIGN

1914+00 11'RT. POWER POLE

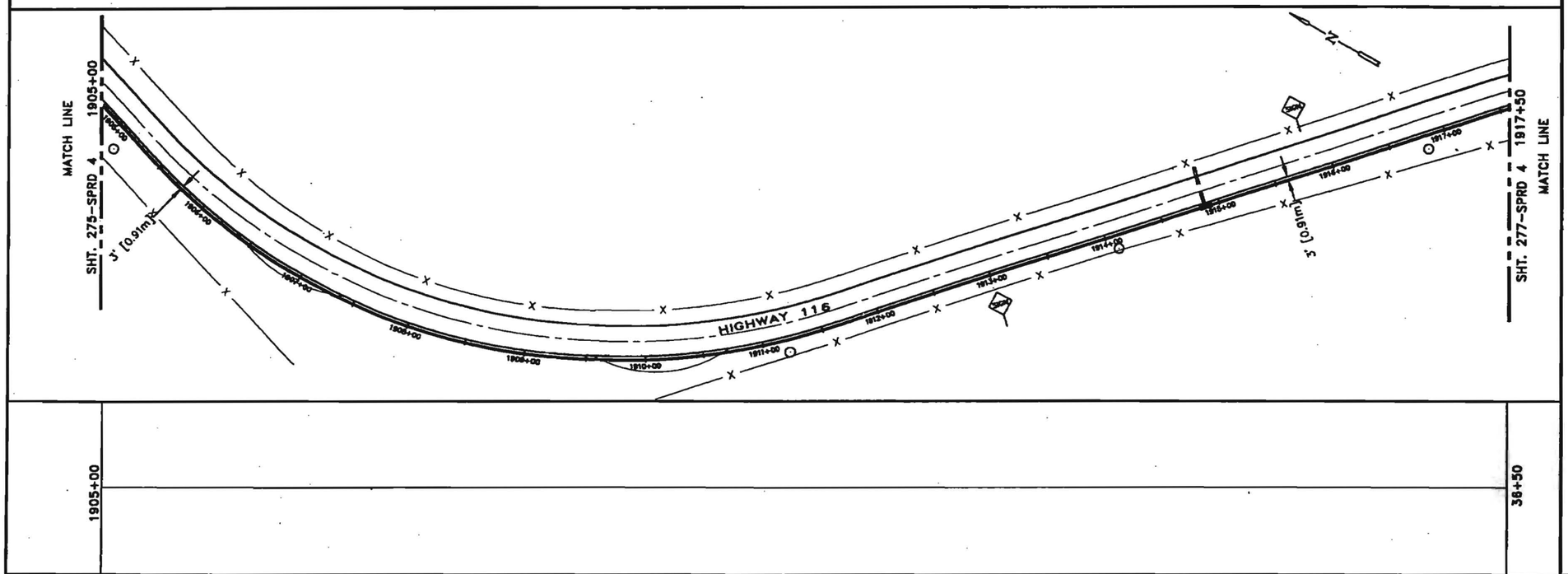
1914+83 BEGIN STEEL
1914+83 W.T. CULVERT
1914+83 W.T. CULVERT
1914+83 END STEEL

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

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
- Fences
- 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
- Bypass 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

1-800-582-9068

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/27
2	REVISED RUNNING LINE	MW	6/18

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

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/98
CHECKED BY : B&V	DATE : 03/10/98
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER : SACR-276-SPRD	

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

1914+63 BEGIN STEEL
1914+67 17RT. CULVERT
1914+88 34LT. CULVERT
1914+63 END STEEL

1915+63 35LT. SIGN

1916+82 17RT. POWER POLE

1918+49 33LT. SIGN

1918+70 BEGIN STEEL
1918+75 CULVERT
1918+76 39LT. CULVERT
1918+80 END STEEL

1919+28 40LT. GUY
1919+42 34LT. POWER POLE

1920+19 37LT. CULVERT

1920+43 37RT. CULVERT

1920+65 32LT. SIGN

1922+15 35LT. POWER POLE
1922+15 42LT. GUY
1922+24 BEGIN STEEL
1922+28 57RT. CULVERT
1922+29 44LT. CULVERT
1922+34 END STEEL

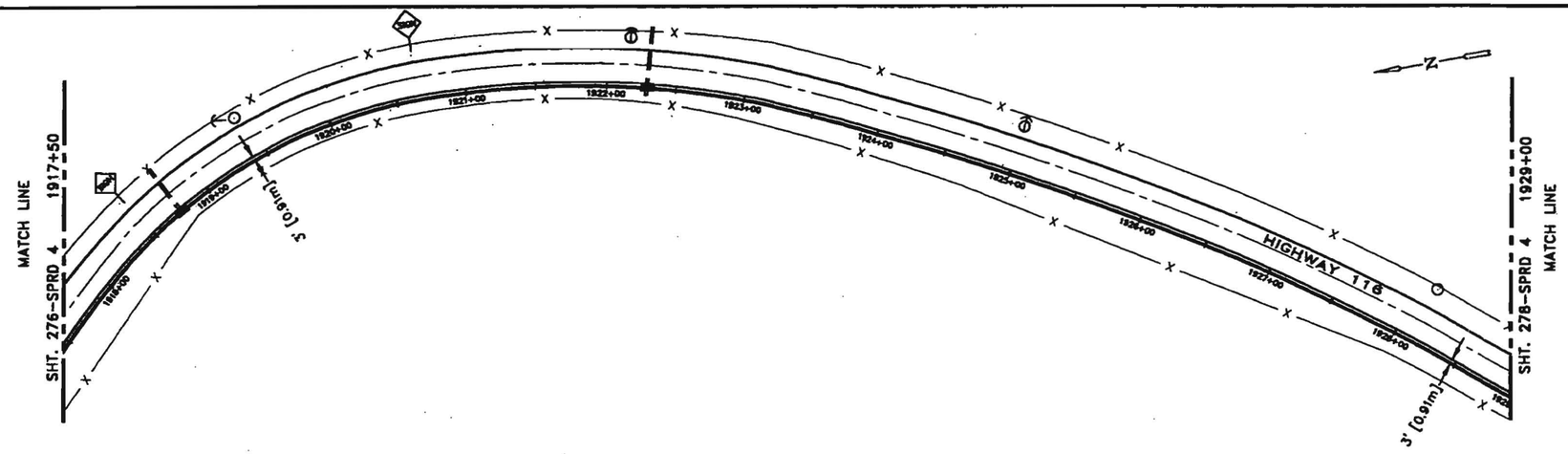
1924+98 43LT. GUY
1924+99 36LT. POWER POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



1917+50 | 1929+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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

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
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- 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 Flow of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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1-800-227-2600

DRAWING DISCLAIMER

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CONSTRUCTION

REVISIONS

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

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/00
CHECKED BY : B&V	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113 LOC. CODE :	
HORIZONTAL SCALE (PLAN & PROF) : 1"=100'	
VERTICAL SCALE (PLAN) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SACR-277-SPRD 4

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

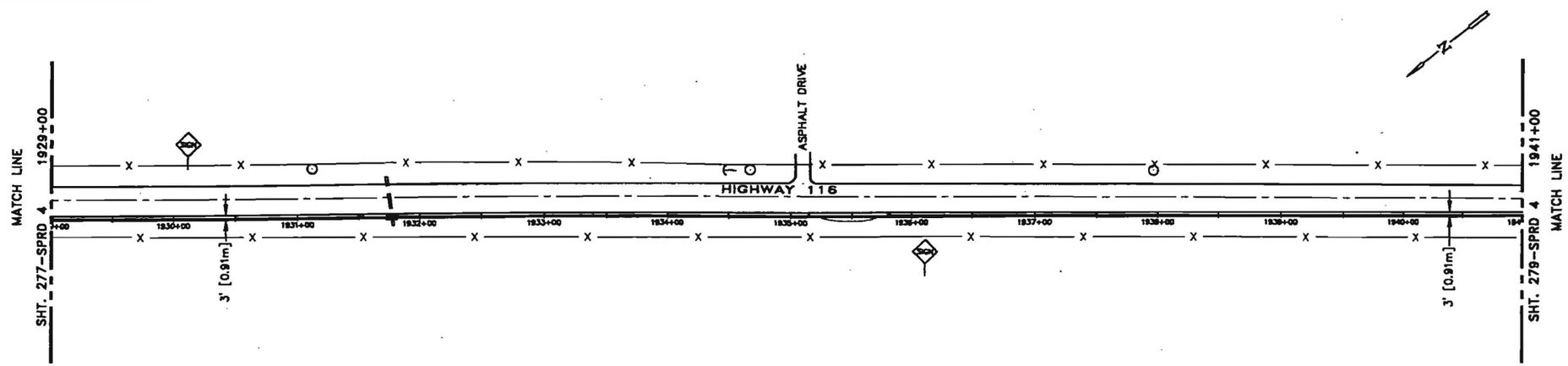
1930+11 41'LT. SIGN
1931+11 40'LT. POWER POLE
1931+72 BEGIN STEEL
1931+72 33'LT. CULVERT
1931+78 6'RT. CULVERT
1931+82 END STEEL
1934+45 35'LT. GUY
1934+67 38'LT. POWER POLE
1935+09 27'LT. CULVERT
1936+11 5'RT. SIGN
1937+96 37'LT. POWER POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



1929+00 | 1941+00

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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
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- B.I.P. Black Iron Pipe
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- EP Edge of Pavement
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- FL Flag Line and/or White Line
- Region Site
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- Handhole Splice
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- SS Manhole
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- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

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CONSTRUCTION

REVISIONS

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

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 USE PLACE
- FUTURE-2
- FUTURE-3
- FUTURE-4

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : BAV	DATE : 03/10/00
CHECKED BY : BAV	DATE : 03/10/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113 LOC. CODE :	
HORIZONTAL SCALE (DWG & PRINT) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PRINT) :	
MAP PROJECTION :	

DRAWING NUMBER : SACR-278-SPRD 4

OWNERSHIP | COUNTY OF SONOMA

FIBER STATIONING

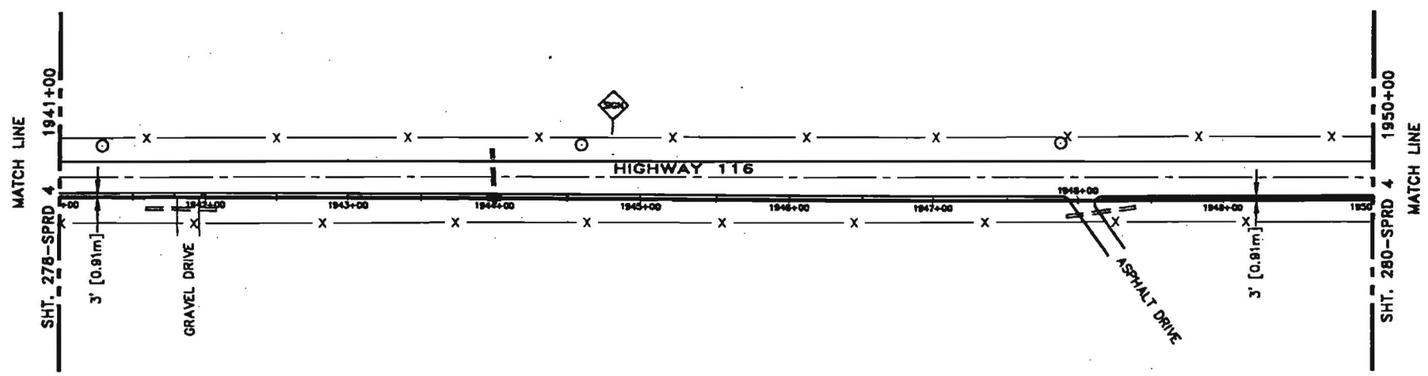
1941+29 35'LT. POWER POLE
1941+58 7'RT. CULVERT
1942+07 8'RT. CULVERT
1943+94 BEGIN STEEL
1943+97 34'LT. CULVERT
1943+99 4'RT. CULVERT
1944+04 END STEEL
1944+50 37'LT. POWER POLE
1944+81 30'LT. SIGN
1947+87 40'LT. POWER POLE
1947+92 10'RT. CULVERT
1947+99 21'LT. CULVERT
1948+38 4'RT. CULVERT
1950+38 39'LT. CULVERT
1950+52 26'LT. CULVERT
1950+56 15'RT. FENCE CORNER
1950+63 40'LT. CULVERT
1951+17 35'LT. POWER POLE
1952+87 21'LT. POWER POLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



1941+00 | 1950+00

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

REEL # N/A

N/A

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

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

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- NR Mile Mkr.
- Misc. Road Sign
- 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./Int.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SB Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

CONSTRUCTION

REVISIONS

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

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENT CABLE ROUTE

DRAWN BY : B&V	DATE : 03/10/0
CHECKED BY : B&V	DATE : 03/10/0
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) :	1"=100'
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SACR-279-SPRD

OWNERSHIP

COUNTY OF SONOMA

FIBER STATIONING

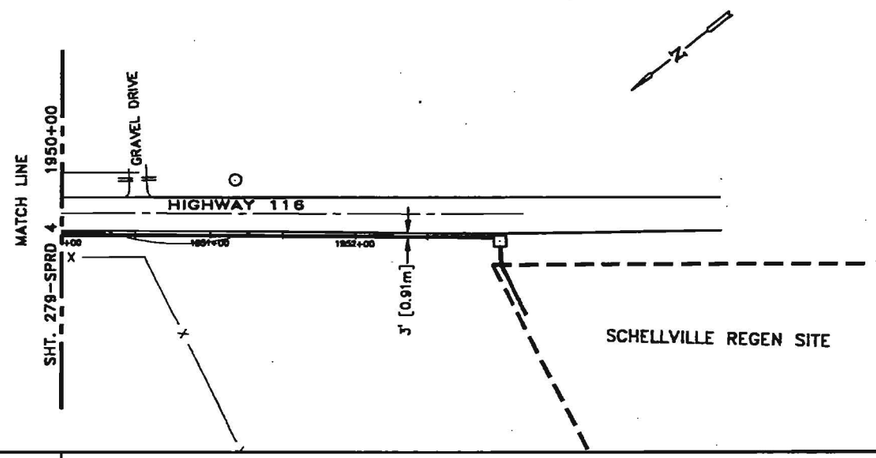
1947+67 40'LT. POWER POLE
1947+82 10'RT. CULVERT
1947+90 2'LT. CULVERT
1948+30 4'RT. CULVERT
1950+38 39'LT. CULVERT
1950+52 26'LT. CULVERT
1950+56 15'RT. FENCE CORNER
1950+63 40'LT. CULVERT
1951+17 30'LT. POWER POLE
1952+87 2'LT. POWER POLE
1952+97 HANDHOLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

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

CABLE DESCRIP
PIPE & INNERD. PLACEME
FUTURE UNIT PLACE

LEGEND

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

1–800–582–9068

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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

CONSTRUCTION

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	COMPLETE DRAWING CHANGES	SDJ	3/2
2	REVISED RUNNING LINE	MW	6/1

COMMUNICATIONS GROU
Network Services

POINT ARENA TO SACRAMENT CABLE ROUTE

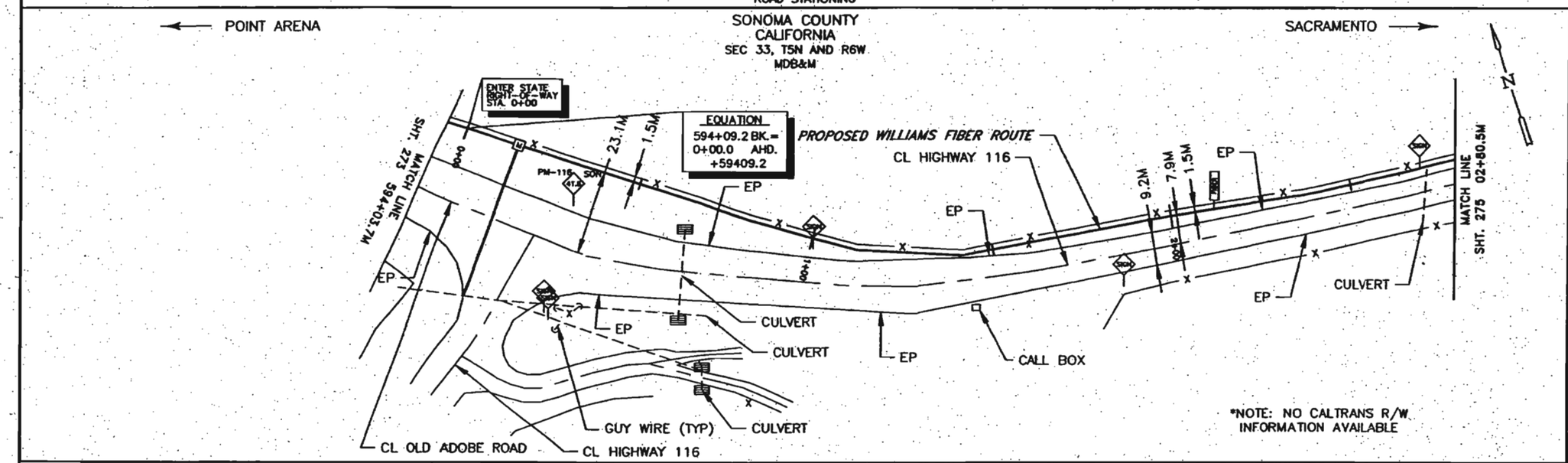
DRAWN BY : BAV	DATE : 03/10/0
CHECKED BY : BAV	DATE : 03/10/0
APPROVED BY :	DATE :
APPROVED BY :	DATE :
A/E : 4113	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SACR-280-SPRD

OWNERSHIP | SONOMA COUNTY

0+15.3 PLACE MANHOLE
0+35.2 ROAD SIGN 11.0M RT
0+65.4 WATER INLET 8.1M RT
1+00.9 ROAD SIGN 2.7M RT
1+60.1 POWER POLE 0.4M RT
2+12.2 FIBER MARKER
2+70.1 ROAD SIGN 0.1M LT
2+72.3 CULVERT 0.6M RT

ROAD STATIONING



594+03.7 | 02+80.5

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
280.5M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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
ES 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

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

REGISTERED PROFESSIONAL ENGINEER
SHAWN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : SAN	DATE : 09/05/00
CHECKED BY : KSH	DATE : 09/06/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 000001
HORIZONTAL SCALE (NWS & PROF) : 1:30.5	
VERTICAL SCALE (NWS) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-274-SPRD 5

REV-0

SONOMA COUNTY

3+94.4 ROAD SIGN 14.8M RT

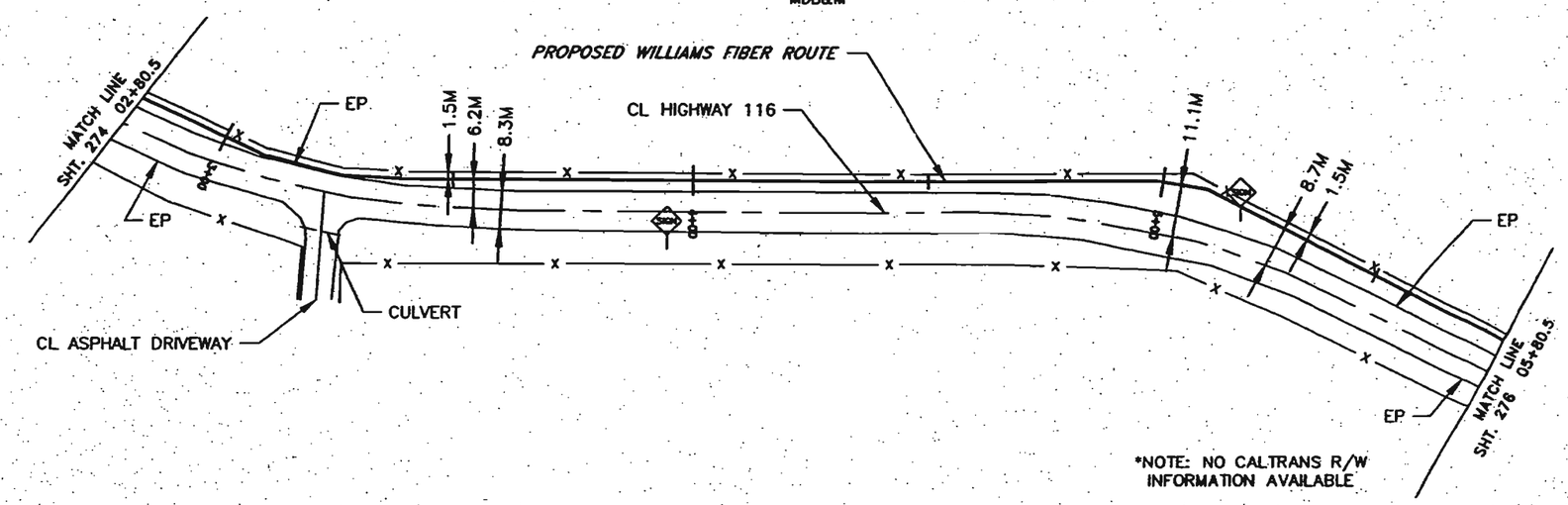
5+19.1 ROAD SIGN 2.7M RT

ROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 33, T5N AND R6W
MDB&M

SACRAMENTO



*NOTE: NO CALTRANS R/W
INFORMATION AVAILABLE

02+80.5

05+80.5

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
300.0M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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
- Forest
- 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 Grass
- FC Face of Curb
- FL Fog Line and/or White Line
- Repeat Site
- P.O.P./Jct.
- Handhole Spliced
- Handhole
- Handhole Spliced
- 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
1-888-263-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/14

CABLE FIBER CORNI 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	

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRIS
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : SAN	DATE : 00/00/00
CHECKED BY : KSG	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4075 LOC. CODE : 000001	
HORIZONTAL SCALE (PWD & PROF) : 1:30.5	
VERTICAL SCALE (PWD) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-275-SPRD 5

REV-0

OWNERSHIP

SONOMA COUNTY

6+46.1 ROAD SIGN 0.5M RT

7+58.6 TELEPHONE PED 0.8M LT.
7+61.0 CULVERT 2.4M RT

7+74.3 PLACE MANHOLE

8+59.6 TELEPHONE POLE 0.8M LT

8+28.0 R/W CHANGE
9+28.2 CL OF DRIVEWAY

9+34.2 FIBER MARKER 1.4M LT

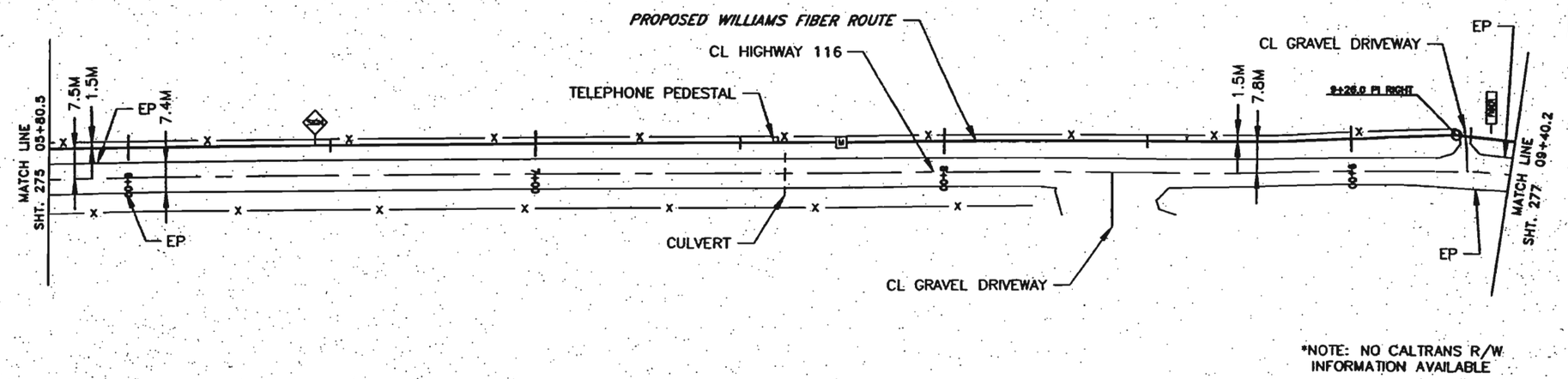
ROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 33, T5N AND R6W
MDB&M

SACRAMENTO

N



05+80.5 | 09+40.2

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

359.7M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

REV–0

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
Handhole Spare
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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/94

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

WILLIAMS COMMUNICATIONS GROUP
Network Services

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : SAM	DATE : 00/00/00
CHECKED BY : KSB	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4873 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PRINT) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PRINT) : 1:30.5	
MAP PROJECTION : MAP–PROJECTION	

DRAWING NUMBER : PTAR–SACR–276–SPRD 5

OWNERSHIP

SONOMA COUNTY

9+83.8 R/L CHANGE

10+78.9 TELEPHONE PED 1.2M LT

12+78.4 SIGNAL BOX 2.6M RT
12+82.3 CULVERT 2.7M RT
12+88.1 CULVERT 12.4M RT

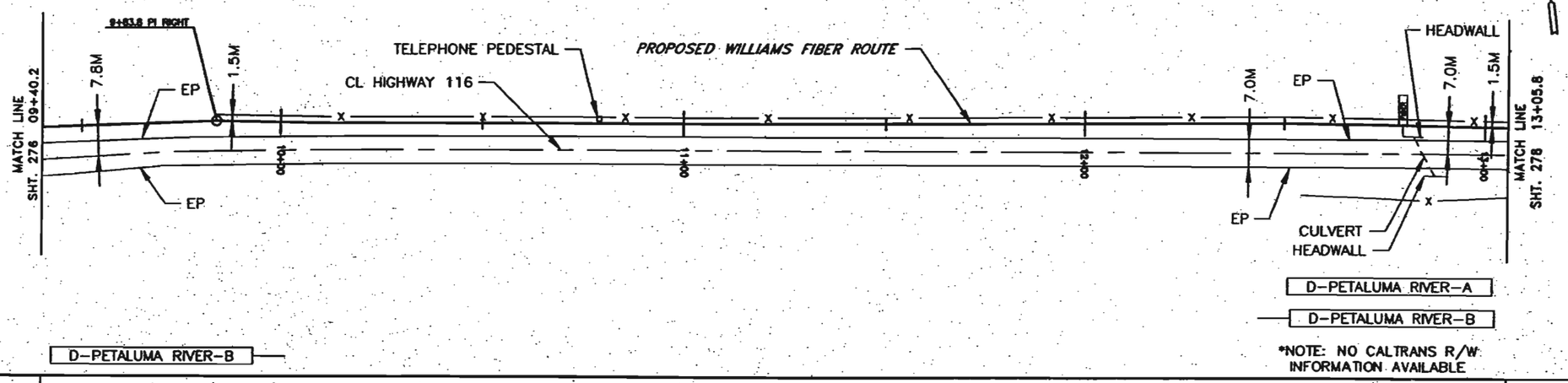
ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 34, T5N AND R6W
MDB&M.

→ SACRAMENTO

N



*NOTE: NO CALTRANS R/W INFORMATION AVAILABLE

09+40.2

13+05.8

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
365.6M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Mun. Road Sign
- Non Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fences
- 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
1–888–263–2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : SAH	DATE : 08/04/99
CHECKED BY : KSH	DATE : 08/04/99
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-277-SPRD 5

REV-0

OWNERSHIP | SONOMA COUNTY

13+22.1 R/L CHANGE
13+26.0 ROAD SIGN 11.9M RT
13+40.8 R/L CHANGE
13+48.3 CL OF DRIVEWAY
13+79.4 ROAD SIGN 10.8M RT
13+86.7 SIGNAL BOX 4.4M LT
13+88.1 TELEPHONE POLE 4.7M LT
13+88.7 EDGE OF PAVEMENT
14+03.2 CL OF DRIVEWAY
14+11.8 EDGE OF PAVEMENT
14+70.4 R/L CHANGE
14+87.3 ROAD SIGN 14.0M RT
15+21.0 PLACE MANHOLE
15+52.1 CULVERT 1.8M RT
15+87.3 CULVERT 2.4M RT

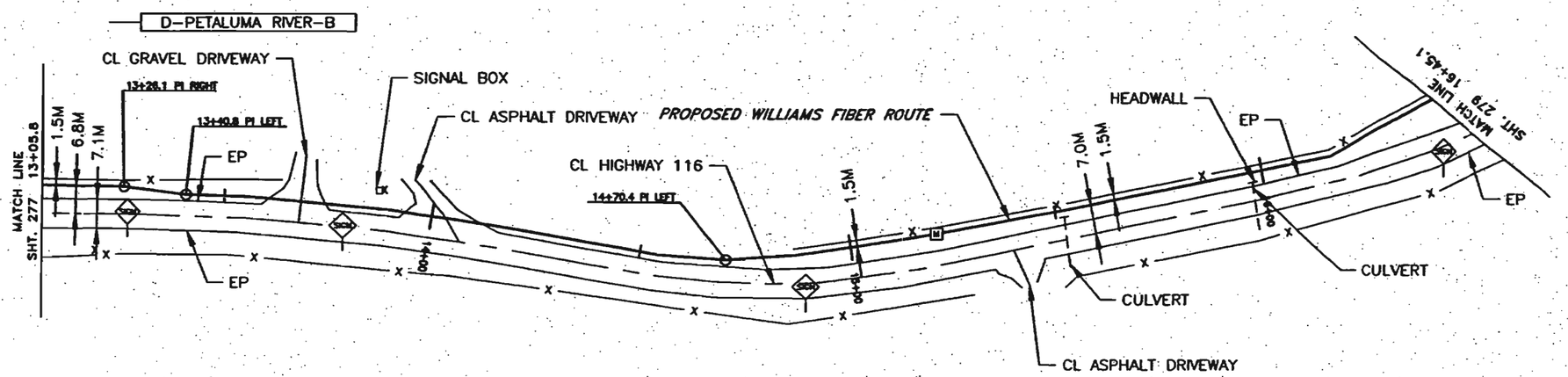
ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 34, T5N AND R6W
MDB&M

→ SACRAMENTO

N



*NOTE: NO CALTRANS R/W
INFORMATION AVAILABLE

13+05.8 | 16+45.1

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
339.3M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- Rtt 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 Grass
- 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
DUCT & TYPE (COUR/SIZE/TYP/COLOR)	PIPE & DUCT/CONDUIT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE USE PLACE
FUTURE-3	
FUTURE-4	

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : SAN	DATE : 08/04/00
CHECKED BY : KSH	DATE : 08/04/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4673	LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-278-SPRD 5

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

OWNERSHIP

SONOMA COUNTY

17+37.2 CULVERT

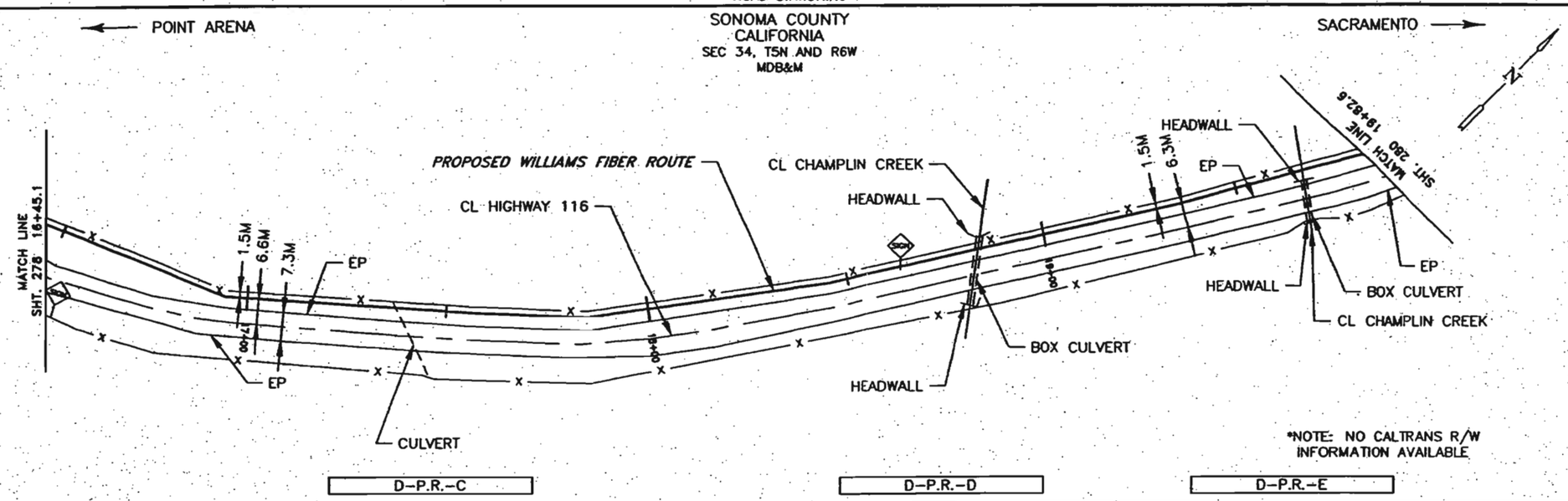
18+43.6 ROAD SIGN 0.9M RT

18+83.8 CULVERT
18+93.6 CL OF CREEK
19+04.3 CULVERT

19+47.2 CL OF CREEK

ROAD STATIONING

SONOMA COUNTY
CALIFORNIA
SEC 34, T5N AND R6W
MDB&M



*NOTE: NO CALTRANS R/W INFORMATION AVAILABLE

16+45.1

19+82.6

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

337.5M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

CABLE FIBER COUNT MFL TYPE OF GLASS
CABLE REEL NO. -
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH
CABLE DESCRIPTION

DUCT/CONDUIT & TYPE (CORR/SMOOTH/COLOR)
STEEL PIPE SIZE
PVC
PIPE & DUCT/CONDUIT PLACEMENT

FUTURE-2
FUTURE-3
FUTURE-4
FUTURE USE PLACE

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/07
CIVIL
STATE OF CALIFORNIA

LEGEND

Interstate Hwy.
U.S. Hwy.
State Hwy.
County Road
RR Mile Mkr.
Mun. Road Sign
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 Grade
FC Face of Curb
PL Prop Line and/or White Line
Repeater 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
1-888-256-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : SAM DATE : 00/00/00
CHECKED BY : KSH DATE : 00/00/00
APPROVED BY : DATE :
APPROVED BY : DATE :
AFE : 4679 LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROF) : 1:20.5
VERTICAL SCALE (DWG) : 1:20.5
VERTICAL SCALE (PROF) : 1:20.5
MAP PROJECTION : MAP-PROJECTION

DRAWING NUMBER : PTAR-SACR-279-SPRD 5

REV-0

OWNERSHIP | SONOMA COUNTY

20+06.2 R/L CHANGE
20+13.3 ROAD SIGN 14.2M RT
20+63.0 R/L CHANGE
20+66.2 CULVERT
20+70.6 CL OF CREEK
20+73.0 CULVERT
20+80.5 ROAD SIGN 14.2M RT
21+63.7 ROAD SIGN 12.1M RT
22+45.7 R/L CHANGE
22+56.6 PLACE MANHOLE
22+61.2 R/L CHANGE
22+72.5 HEADWALL 14.5M RT
22+81.5 HEADWALL 13.3M RT
22+86.7 CULVERT
22+88.7 CL OF CREEK

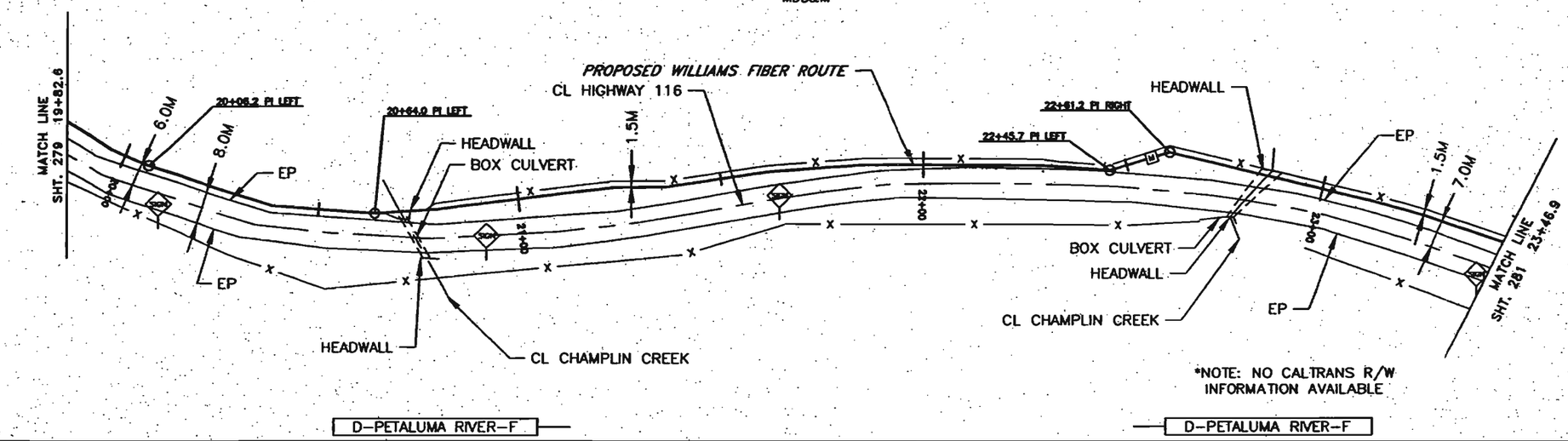
ROAD STATIONING

SONOMA COUNTY
CALIFORNIA
SEC 34, T5N AND R6W
MDB&M

← POINT ARENA

SACRAMENTO →

N



*NOTE: NO CALTRANS R/W
INFORMATION AVAILABLE

19+82.6 | 23+46.9

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
364.3M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

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
Repeat 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : SAN	DATE : 08/06/00
CHECKED BY : KSH	DATE : 08/06/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-280-SPRD 5

REV-0

OWNERSHIP

SONOMA COUNTY

24+03.9 R/A CHANGE
24+04.3 BEGIN DIRECTIONAL DRILL
24+07.4 END PAVEMENT
24+07.5 ROAD SIGN 4.6M LT

24+14.4 CL OF ROAD

24+24.7 EDGE OF PAVEMENT
24+26.4 END DIRECTIONAL DRILL

24+35.4 POWER POLE 3.3M LT

24+40.5 R/L CHANGE

24+90.7 ROAD SIGN 0.5M RT
24+95.0 POWER POLE 1.3M LT

25+72.0 ROAD SIGN 3.8M RT

26+20.3 HEADWALL 0.9M LT
26+21.1 CL OF CREEK
26+23.0 CULVERT
26+23.0 HEADWALL 1.0M LT

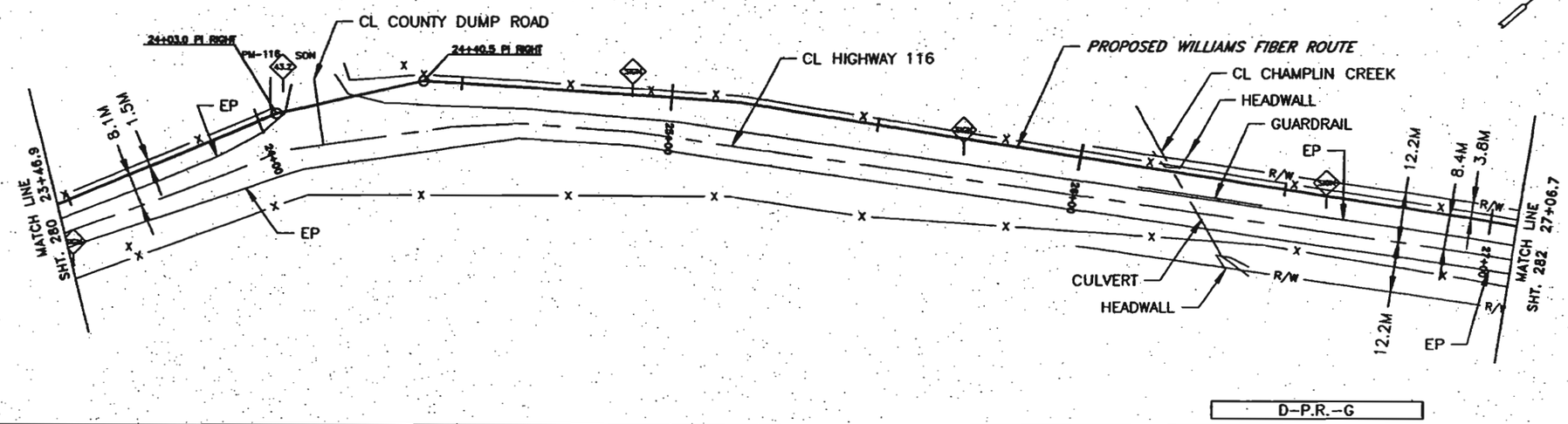
26+90.8 ROAD SIGN 2.6M RT

ROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 27, T5N AND R6W
MDB&M

SACRAMENTO



23+46.9

27+06.7

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
359.8M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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

LEGEND

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

REGISTERED PROFESSIONAL ENGINEER
KENNETH W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : SAN	DATE : 00/00/00
CHECKED BY : KHH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 000001
HORIZONTAL SCALE (PROF & PROF) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-281-SPRD 5

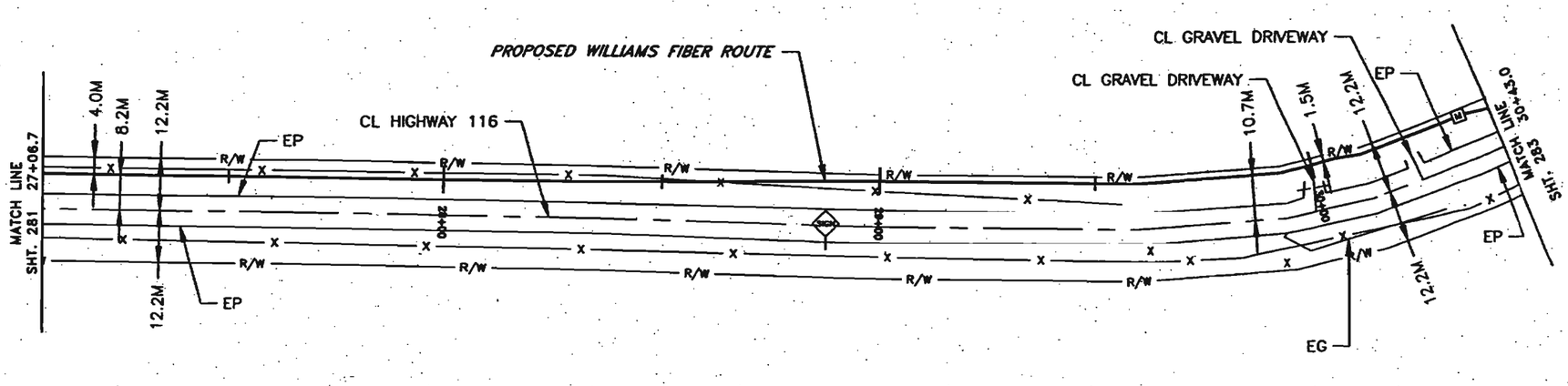
REV-0

OWNERSHIP | SONOMA COUNTY

30+36.3 PLACE MANHOLE

ROAD STATIONING

POINT ARENA ← | SONOMA COUNTY CALIFORNIA SEC 27, T5N AND R6W MDB&M | → SACRAMENTO



27+06.7 | 30+43.0

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

336.3M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSM	11/14

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

REGISTERED PROFESSIONAL ENGINEER
LONG W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : SAN		DATE : 09/05/99
CHECKED BY : KSM		DATE : 09/05/99
APPROVED BY :		DATE :
APPROVED BY :		DATE :
AFE : 4575	LOC. CODE : 000000	
HORIZONTAL SCALE (DWG & PROF) : 1:20.5		
VERTICAL SCALE (DWG) : 1:20.5		
VERTICAL SCALE (PROF) : 1:20.5		
MAP PROJECTION : MAP-PROJECTION		

DRAWING NUMBER : PTAR–SACR–282–SPRD 5

REV–0

OWNERSHIP | SONOMA COUNTY

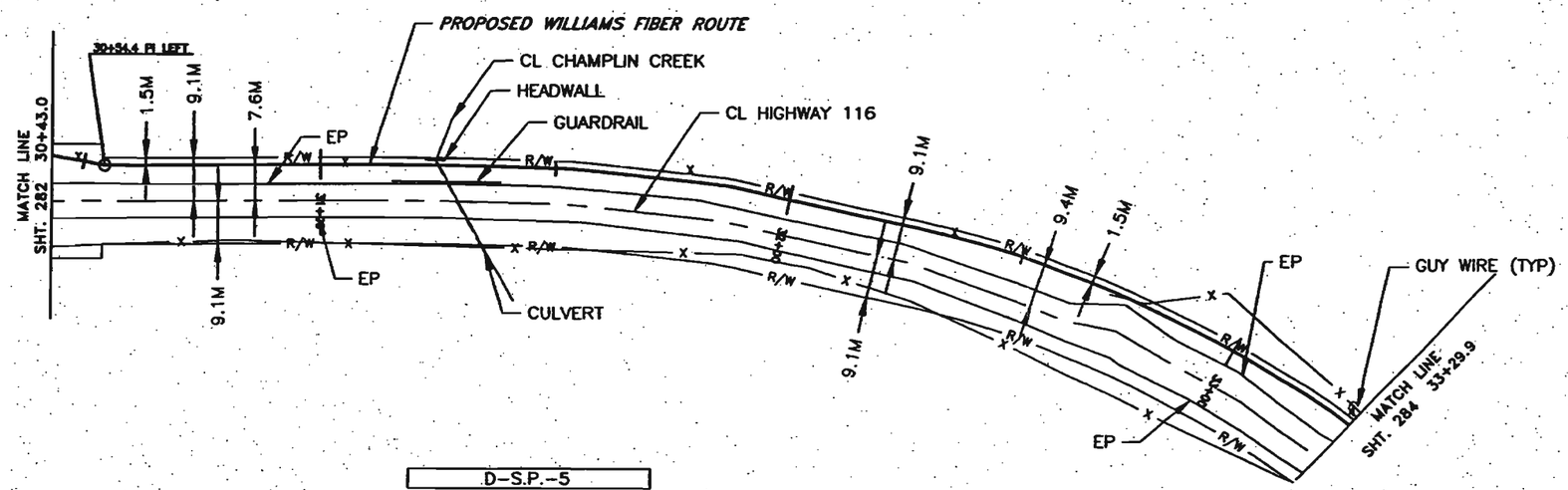
30+48.9 POWER POLE 1.7M LT
30+54.4 R/L CHANGE
31+03.4 POWER POLE 0.4M LT
31+23.2 CULVERT
31+23.2 CL OF CREEK
31+78.0 POWER POLE 2.4M LT
32+34.8 POWER POLE 1.0M RT
33+29.9 POWER POLE 0.5M RT
33+29.9 GUY WIRE 10.0M RT

ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 27, T5N AND R6W
MDB&M

→ SACRAMENTO



D-S.P.-5

30+43.0 — 33+29.9

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
286.9M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

CABLE DESCRIPTION
CABLE FIBER COUNT MFG. TYPE OF GLASS
CABLE REEL NO.
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & INNERDUCT PLACEMENT
INNERDUCT & TYPE (COIR/SMOOTH/COLOR)
STEEL PIPE SIZE
PVC

FUTURE USE PLACE
FUTURE-2
FUTURE-3
FUTURE-4

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

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
Sys. Sewer
Storm Drain
Telephone Line
B.I.P. Black Iron Pipe
G.I.P. Galvanized Iron Pipe
EP Edge of Pavement
EG Edge of Grand
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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : SAN — DATE : 05/06/03
CHECKED BY : HDO — DATE : 05/06/03
APPROVED BY : — DATE :
APPROVED BY : — DATE :
AFE : 4875 — LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROT) : 1:38.5
VERTICAL SCALE (DWG) : 1:38.5
VERTICAL SCALE (PROT) : 1:38.5
MAP PROJECTION : MAP PROJECTION

DRAWING NUMBER : PTAR-SACR-283-SPRD 5

REV-0

OWNERSHIP | SONOMA COUNTY

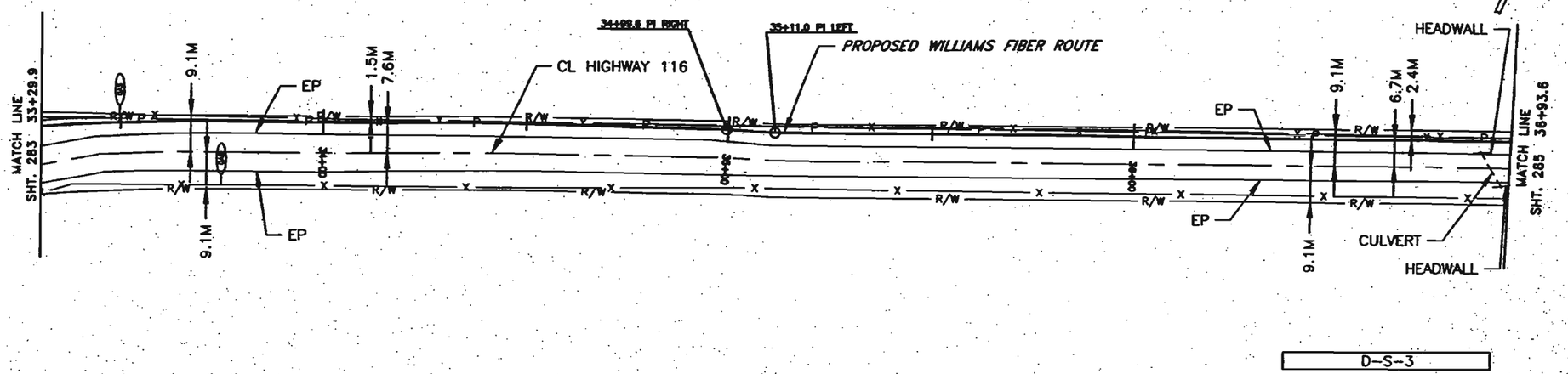
33+50.3 GAS MARKER 2.4M RT
34+14.1 POWER POLE 0.2M LT
34+99.8 R/L CHANGE
34+99.8 POWER POLE 0.9M LT
35+11.0 R/L CHANGE
35+66.7 POWER POLE 1.1M LT
36+72.5 POWER POLE 0.7M LT

ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 26, T5N AND R6W
MDB&M

→ SACRAMENTO



D-S-3

33+29.9 | 36+93.6

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
363.7M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

CABLE DESCRIPTION: CABLE FIBER COUNT MFR. TYPE OF GLASS; CABLE REEL NO.; SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH
PIPE & INNERDUCT PLACEMENT: INNERDUCT & TYPE (COUNT/SIZE/MFR/COLOR); SHEEL PIPE SIZE; PVC
FUTURE USE PLACE: FUTURE-2; FUTURE-3; FUTURE-4

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/09
CIVIL
STATE OF CALIFORNIA

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
- ES Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Art.
- 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
1-888-263-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : SAN	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4675	LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-284-SPRD 5	

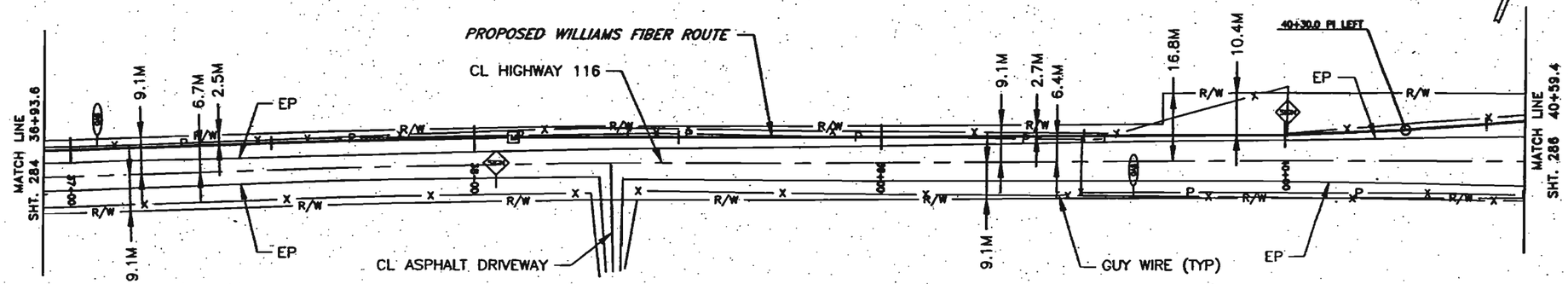
REV-0

OWNERSHIP | SONOMA COUNTY

37+06.7 GAS MARKER 0.9M LT
37+58.9 POWER POLE 0.7M LT
38+05.1 ROAD SIGN 12.3M RT
38+06.4 PLACE MANHOLE
38+38.4 GUY WIRE 0.8M LT
38+44.5 POWER POLE 1.0M LT
39+44.1 GUY WIRE 14.8M RT
39+40.3 POWER POLE 14.0M RT
39+43.3 POWER POLE 0.3M RT
39+54.2 GUY WIRE 0.8M RT
40+00.6 ROAD SIGN 0.6M RT
40+30.0 R/L CHANGE

ROAD STATIONING

POINT ARENA ← | SONOMA COUNTY CALIFORNIA SEC 23, T5N AND R6W MDB&M | → SACRAMENTO



36+93.6 — 40+59.4

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
365.8M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

CABLE DESCRIPTION: CABLE FIBER COUNT MFG. TYPE OF GLASS; CABLE REEL NO.; SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH
PIPE & DUCT PLACEMENT: DUCT & TYPE (COUR/INDOOR/COLOR); STEEL PIPE SIZE; PVC
FUTURE USE PLACE: FUTURE-2; FUTURE-3; FUTURE-4

REGISTERED PROFESSIONAL ENGINEER — JOHN W. HARRISON — No. 37661 — EXP. 12/31/04 — CIVIL — STATE OF CALIFORNIA

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSM	01/04

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : SAN — DATE : 00/00/00
CHECKED BY : KSM — DATE : 00/00/00
APPROVED BY : — DATE :
APPROVED BY : — DATE :
AFE : 4875 — LOC. CODE : 000000
HORIZONTAL SCALE (DWG & PROF) : 1:30.5
VERTICAL SCALE (DWG) : 1:30.5
VERTICAL SCALE (PROF) : 1:30.5
MAP PROJECTION : MAP-PROJECTION

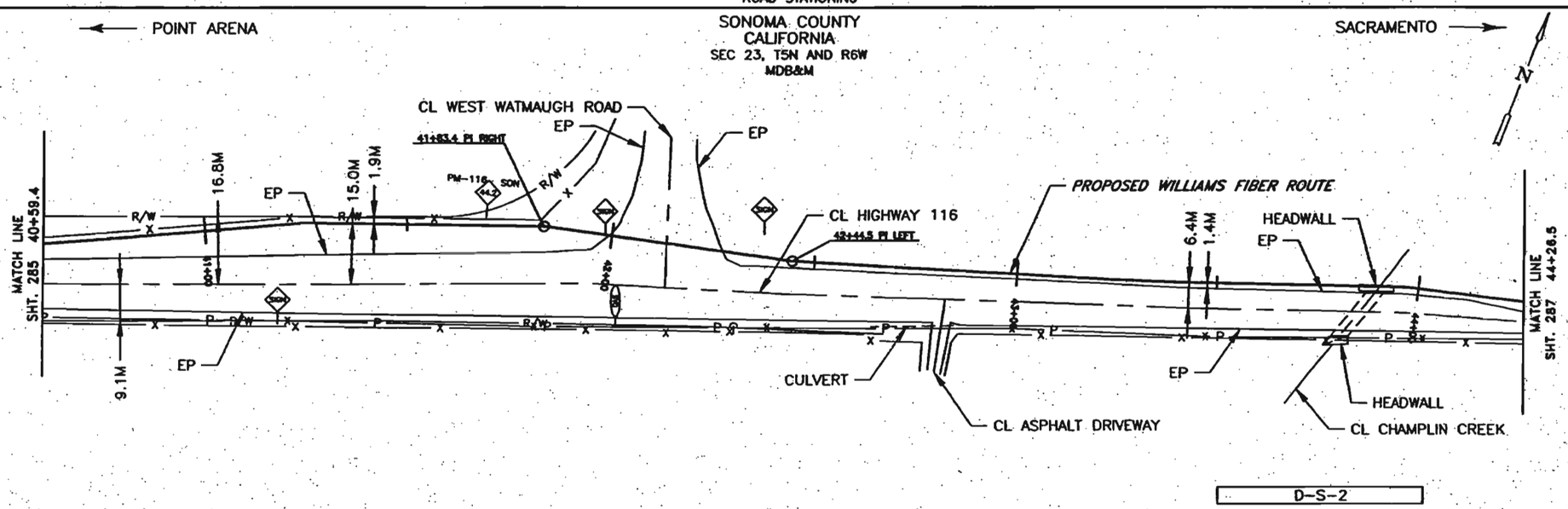
DRAWING NUMBER : PTAR-SACR-285-SPRD 5

REV-0

OWNERSHIP | STATE OF CALIFORNIA

41+83.4 R/L CHANGE
41+97.4 BEGIN DIRECTIONAL DRILL
41+98.3 ROAD SIGN 0.3M LT
41+99.3 EDGE OF PAVEMENT
42+13.4 CL OF ROAD
42+37.4 EDGE OF PAVEMENT
42+39.4 END DIRECTIONAL DRILL
42+36.7 ROAD SIGN 5.6M LT
42+44.5 R/L CHANGE
42+99.7 POWER POLE 13.7M RT
43+47.5 POWER POLE 13.4M RT
43+84.0 CULVERT
43+90.0 CL OF CREEK
43+93.6 CULVERT
44+02.6 POWER POLE 12.2M RT

ROAD STATIONING



D-S-2

40+59.4 | 44+26.5

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
367.1M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- NR 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 Grand
- 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSN	01/14

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY :	JAN	DATE :	09/04/00
CHECKED BY :	KSN	DATE :	09/04/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4875	LOC. CODE :	000001
HORIZONTAL SCALE (DWG & PROF) :	1:20.5		
VERTICAL SCALE (DWG) :	1:20.5		
VERTICAL SCALE (PROF) :	1:20.5		
MAP PROJECTION :	MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-286-SPRD 5

REV-0

OWNERSHIP | SONOMA COUNTY

44+69.7 ROAD SIGN 0.5M LT.
44+87.2 ROAD SIGN 4.2M LT
44+88.0 ROAD SIGN 8.2M RT
45+00.7 POWER POLE 8.3M RT
45+71.3 PLACE MANHOLE
45+89.0 EDGE OF PAVEMENT
45+92.9 ROAD SIGN 7.4M RT
46+00.8 GUY WIRE 8.3M RT
46+06.6 POWER POLE 0.5M LT
46+07.9 POWER POLE 7.9M RT
46+28.1 EDGE OF PAVEMENT
46+33.9 ROAD SIGN 4.8M LT
46+40.3 GUY WIRE 0.2M RT
46+40.3 POWER POLE 0.2M LT
46+40.8 GUY WIRE 2.8M LT
46+62.1 POWER POLE 9.2M RT
46+66.6 GUY WIRE 6.1M RT
47+10.4 POWER POLE 6.2M LT
47+17.2 ROAD SIGN 8.9M RT
47+38.3 POWER POLE 9.8M RT

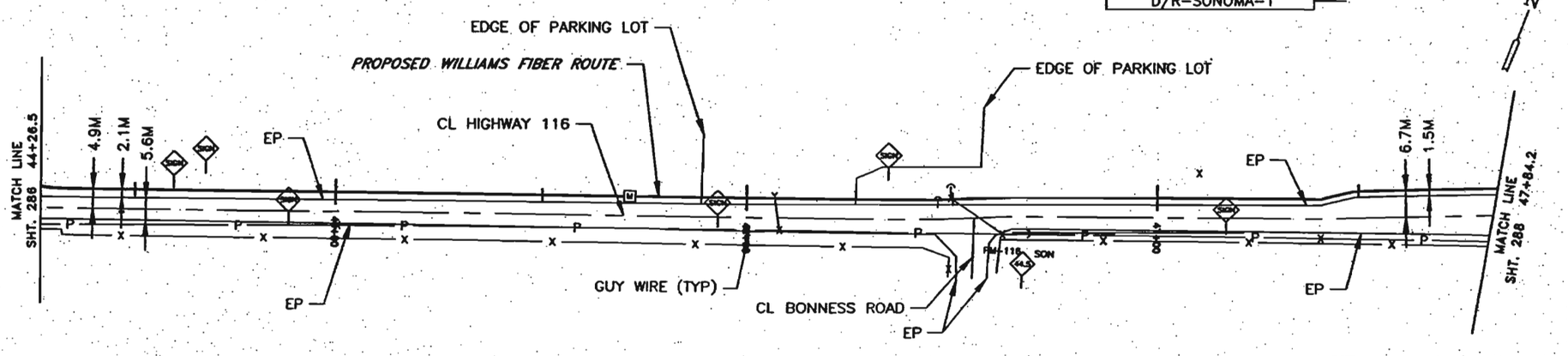
ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 23, T5N AND R6W
MDB&M

SACRAMENTO →

D/R-SONOMA-1



*NOTE: NO CALTRANS R/W INFORMATION AVAILABLE

44+26.5 | 47+84.2

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
357.7M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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
- ES Edge of Gravel
- FC Face of Curb
- FL Flag, Line and/or Walk 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
1-800-285-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/1/04

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
DUCT & TYPE (CORE/SHROUD/COLOR)	PIPE & DUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE USE PLACE
FUTURE-3	
FUTURE-4	

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MTW	DATE : 09/24/03
CHECKED BY : KSH	DATE : 09/24/03
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000004	
HORIZONTAL SCALE (DWG & PRINT) : 1:39.5	
VERTICAL SCALE (DWG) : 1:39.5	
VERTICAL SCALE (PRINT) : 1:39.5	
MAP PROJECTION : MAP PROJECTION	

DRAWING NUMBER : PTAR-SACR-287-SPRD 5

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRIS
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

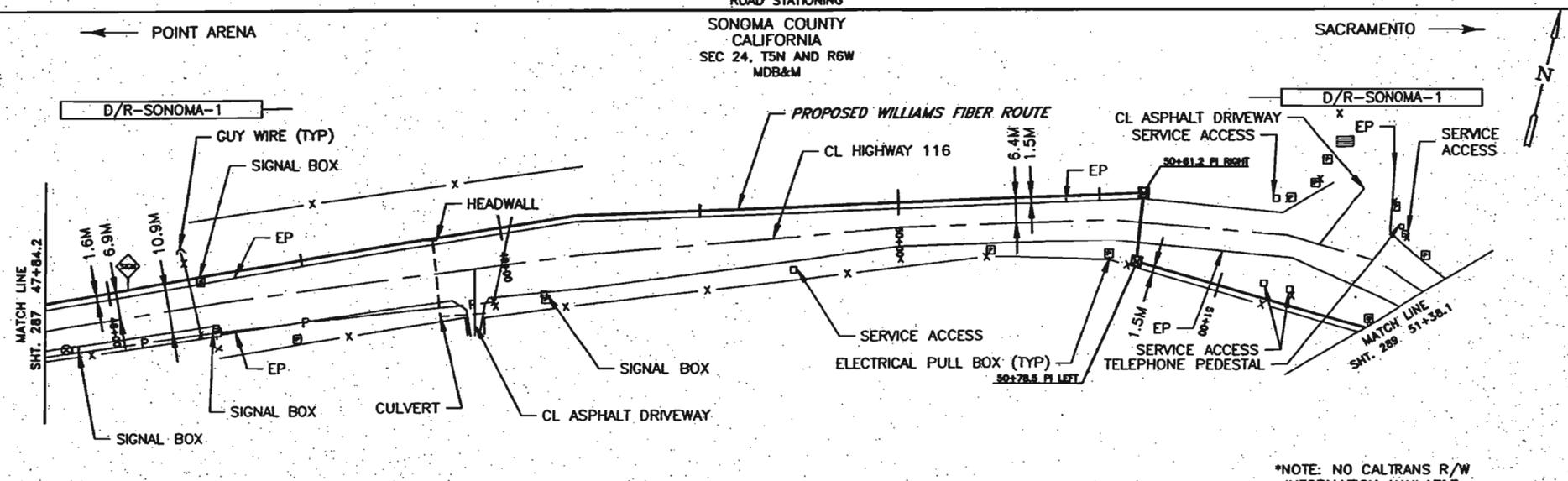
REV-0

OWNERSHIP

SONOMA COUNTY

48+04.9 ROAD SIGN 0.1M RT
48+21.4 POWER POLE 14.5M RT
48+33.3 PULL BOX 1.3M RT
48+38.0 PULL BOX 14.8M RT
48+52.9 CULVERT
50+42.9 PULL BOX 7.4M RT
50+61.2 BEGIN DIRECTIONAL DRILL
PLACE MANHOLE
50+62.7 EDGE OF PAVEMENT
50+71.3 CL OF ROAD
50+73.7 EDGE OF PAVEMENT
50+77.3 PULL BOX 7.3M RT
50+78.5 END DIRECTIONAL DRILL
PLACE MANHOLE
R/L CHANGE
51+10.9 PULL BOX 3.7M LT
51+17.6 PULL BOX 4.0M LT

ROAD STATIONING



*NOTE: NO CALTRANS R/W INFORMATION AVAILABLE

47+84.2 — 51+38.1

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

353.9M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

13.7M – STEEL PIPE

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

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
ES 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	FORMAT	KSH	01/04

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MTW	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4878	LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

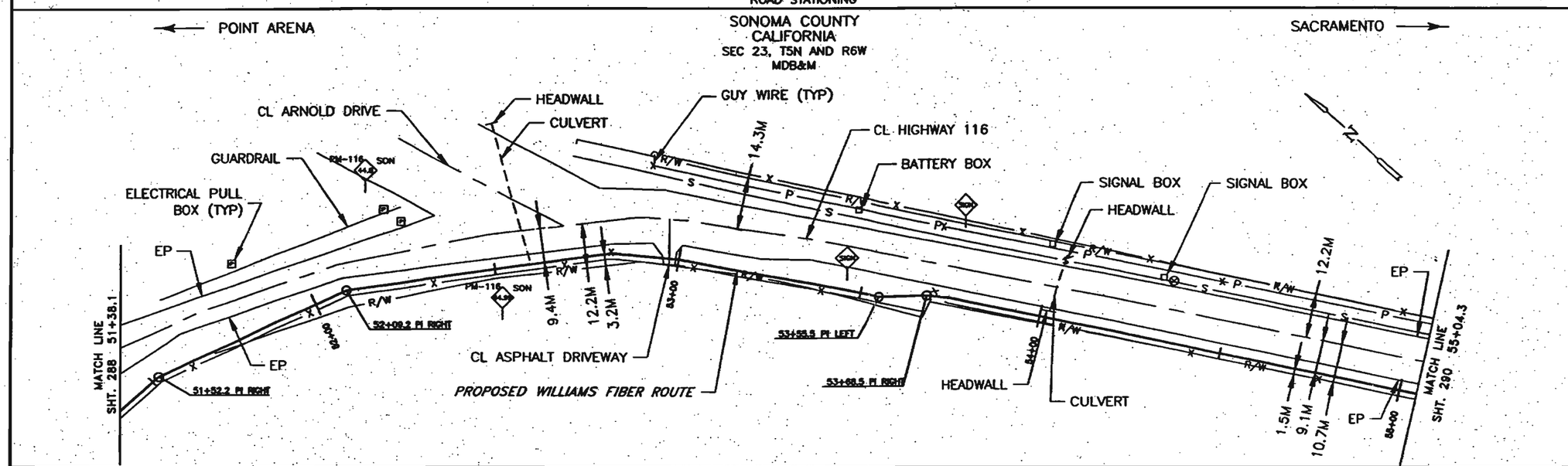
DRAWING NUMBER : PTAR-SACR-288-SPRD 5

REV-0

OWNERSHIP | SONOMA COUNTY

51+52.2 R/L CHANGE
52+09.2 R/L CHANGE
52+60.4 CULVERT 1.2M LT
52+61.3 POWER POLE 0.3M LT
53+45.7 ROAD SIGN 2.7M LT
53+55.5 R/L CHANGE
53+68.5 R/L CHANGE
54+02.4 CULVERT 2.1M LT

ROAD 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
366.2M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER
1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-265-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/14

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

REGISTERED PROFESSIONAL ENGINEER
KEVIN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MTV	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4675 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-289-SPRD 5

REV-0

OWNERSHIP

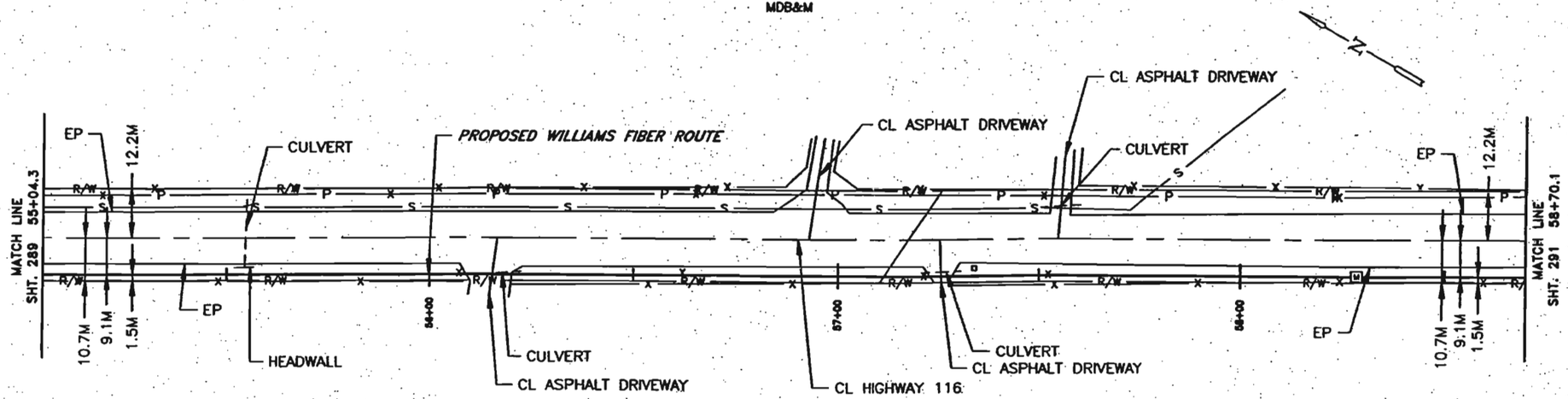
SONOMA COUNTY

55+54.3 CULVERT 1.8M LT
56+07.4 POWER POLE 0.3M LT
56+09.1 EDGE OF PAVEMENT
56+10.4 CULVERT
56+18.2 CL OF DRIVEWAY
56+20.3 EDGE OF PAVEMENT
56+62.2 POWER POLE 0.6M LT
57+21.6 POWER POLE 0.1M LT
57+21.9 EDGE OF PAVEMENT
57+22.1 CULVERT
57+22.4 EDGE OF PAVEMENT
57+52.4 POWER POLE 0.2M LT
58+25.5 PLACE MANHOLE

ROAD STATIONING

POINT ARENA ← → SACRAMENTO

SONOMA COUNTY
CALIFORNIA
SEC 24, T5N AND R6W
MDB&M



55+04.3 — 58+70.1

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
365.8M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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	

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

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 Flag Line and/or White Line
- Repeat 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY :	MTW	DATE :	09/06/00
CHECKED BY :	KDB	DATE :	09/06/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4075	LOC. CODE :	000001
HORIZONTAL SCALE (UNG & PROF) :	1:30.5		
VERTICAL SCALE (UNG) :	1:30.5		
VERTICAL SCALE (PROF) :	1:30.5		
MAP PROJECTION :	MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-290-SPRD 5

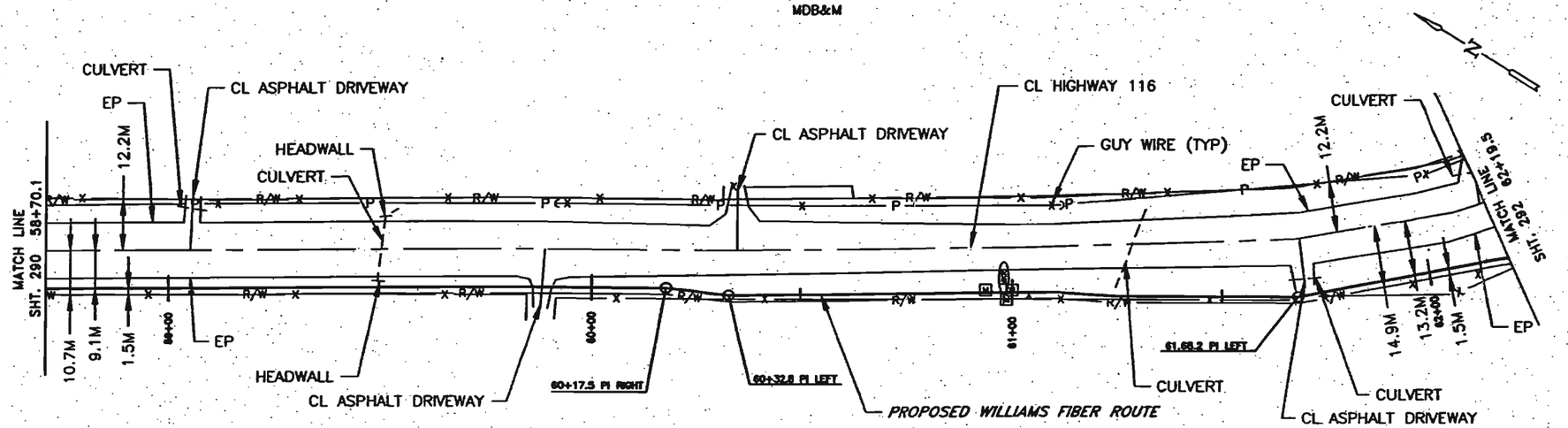
REV-0

OWNERSHIP | SONOMA COUNTY

58+49.4 CULVERT 1.5M LT
58+80.1 EDGE OF PAVEMENT
58+80.1 CL OF DRIVEWAY
58+91.1 EDGE OF PAVEMENT
60+17.5 R/L CHANGE
60+32.8 R/L CHANGE
60+93.8 MANHOLE 0.7M LT
60+98.0 GAS MARKER 2.8M RT
60+99.7 MANHOLE 1.7M LT
61+00.0 MANHOLE 0.4M LT
61+04.0 POWER POLE 0.5M RT
61+24.4 CULVERT 2.1M LT
61+48.2 R/L CHANGE
61+85.4 POWER POLE 2.0M RT
62+11.3 POWER POLE 2.8M RT

ROAD STATIONING

POINT ARENA ← | SONOMA COUNTY CALIFORNIA SEC 25, T5N AND R6W MDB&M | → SACRAMENTO



58+70.1 | 62+19.5

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
349.4M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

LEGEND

Interstate Hwy.
U.S. Hwy.
State Hwy.
County Road
RR Mile Mkr.
Misc. Road Sign
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
1-888-263-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MFW	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-291-SPRD 5

REV-0

OWNERSHIP

SONOMA COUNTY

62+23.4 R/L CHANGE

62+55.3 ROAD SIGN 3.0M LT

63+13.7 CL OF CREEK

63+40.9 BEGIN DIRECTIONAL DRILL
POWER POLE 2.8M RT
POWER POLE 1.4M LT
POWER POLE 1.4M LT
WYE
CL OF PAVEMENT
EDGE OF PAVEMENT
EDGE OF PAVEMENT
EDGE OF PAVEMENT
EDGE OF PAVEMENT
65+66.1 END DIRECTIONAL DRILL

65+86.6 EDGE OF PAVEMENT

ROAD STATIONING

POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 25, T5N AND R6W
MDB&M

SACRAMENTO

N

D-S.P.-4

CL ROGERS CREEK

PROPOSED WILLIAMS FIBER ROUTE

CL ASPHALT DRIVEWAY

CULVERT

EP

BOX CULVERT

GUY WIRE (TYP)

EP

13.7M

MATCH LINE SHT. 291 62+19.5

12.3M

12.4M

11.1M

1.5M

63+00

64+00

65+00

13.7M

15.2M

1.5M

EP

EP

MATCH LINE SHT. 293 65+86.6

62+23.4 PI LEFT

CL HIGHWAY 116

CULVERT

65+69.8 PI LEFT

CL EAST BONNES ROAD

62+19.5

65+86.6

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

367.1M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSM	01/04

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
DIMENSIONS & TYPE (DIAM/INNER/COILED)	PIPE & DIMENSIONS PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE USE PLACE
FUTURE-3	
FUTURE-4	

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY :	MTW	DATE :	00/00/00
CHECKED BY :	KSM	DATE :	00/00/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4679	LOC. CODE :	000000
HORIZONTAL SCALE (PLAN & PROF) :	1:30.5		
VERTICAL SCALE (PLAN) :	1:30.5		
VERTICAL SCALE (PROF) :	1:30.5		
MAP PROJECTION :	MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-292-SPRD 5

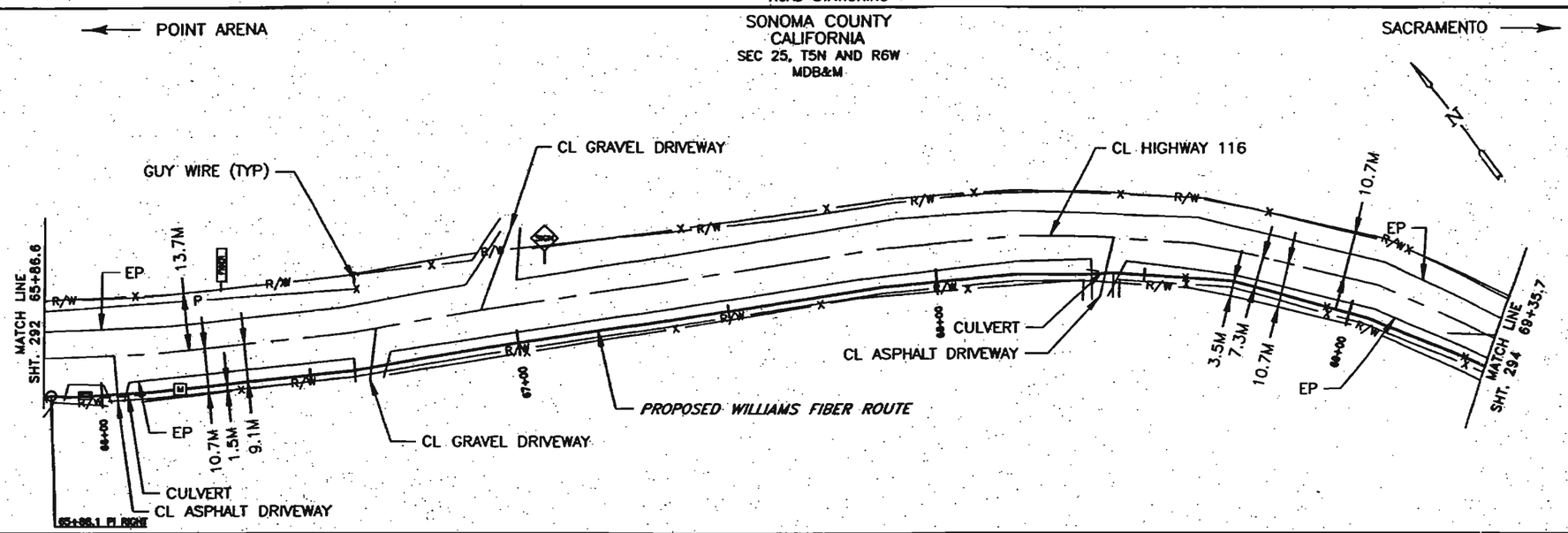
REGISTERED PROFESSIONAL ENGINEER
KEVIN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

OWNERSHIP | SONOMA COUNTY

65+88.1 R/L CHANGE
65+91.8 EDGE OF PAVEMENT
65+96.1 WATER INLET 0.2M LT
66+21.5 EDGE OF PAVEMENT
66+22.0 CL OF DRIVEWAY
66+22.5 EDGE OF PAVEMENT
66+19.0 PLACE MANHOLE
66+64.6 CL OF DRIVEWAY
68+37.4 EDGE OF PAVEMENT
68+40.8 CL OF DRIVEWAY
68+44.3 CULVERT
68+44.3 EDGE OF PAVEMENT

ROAD STATIONING



65+86.6 | 69+35.7

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
349.1M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

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
Fences
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
ES 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
1–888–285–2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/7/4

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

COMMUNICATIONS GROUP
Network Services

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MRW	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
REVIEWED BY :	DATE :
APPROVED BY :	DATE :
JOB : 4875	LOC. CODE : 000001
HORIZONTAL SCALE (PLAN & PROF) : 1:30.5	
VERTICAL SCALE (PLAN) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR–SACR–293–SPRD 5

REV–0

OWNERSHIP

SONOMA COUNTY

69+43.2 POWER POLE 0.5M RT
69+44.0 EDGE OF PAVEMENT
69+44.1 CL OF DRIVEWAY
69+44.2 CL OF DRIVEWAY
69+44.3 EDGE OF PAVEMENT

69+87.8 MANHOLE 5.0M LT

70+11.0 WATER INLET 1.2M LT

71+71.0 CL OF DRIVEWAY

71+98.8 WATER INLET 0.8M LT

72+06.2 CL OF DRIVEWAY

72+63.5 WATER INLET 1.0M LT

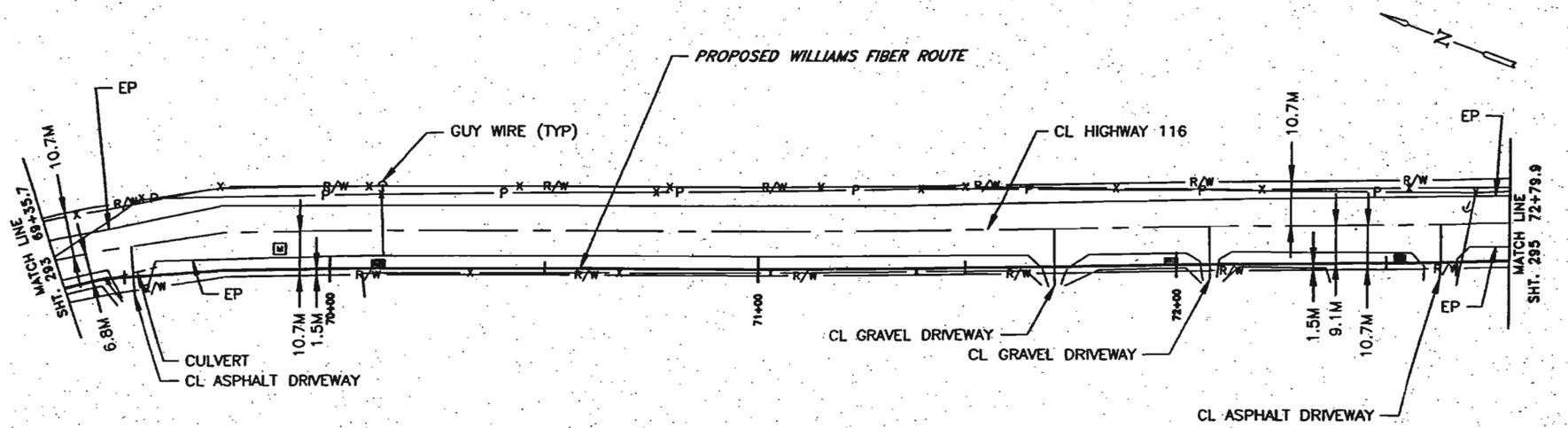
72+83.7 EDGE OF PAVEMENT
72+83.4 CL OF DRIVEWAY
72+87.2 EDGE OF PAVEMENT

ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 25, T5N AND R6W
MDB&M

→ SACRAMENTO



69+35.7

72+79.9

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
344.2M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sgn
- Non 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
- ES Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Int.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- XS 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

CABLE DESCRIPTION
- CABLE FIBER COUNT MFG. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & INNERDUCT PLACEMENT
- INNERDUCT & TYPE (COIL/MADDUM/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE USE PLACE
- FUTURE–2
- FUTURE–3
- FUTURE–4

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : AJJ	DATE : 08/06/03
CHECKED BY : KSH	DATE : 08/06/03
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP–PROJECTION	

DRAWING NUMBER : PTAR–SACR–294–SPRD 5

REV–0

OWNERSHIP

SONOMA COUNTY

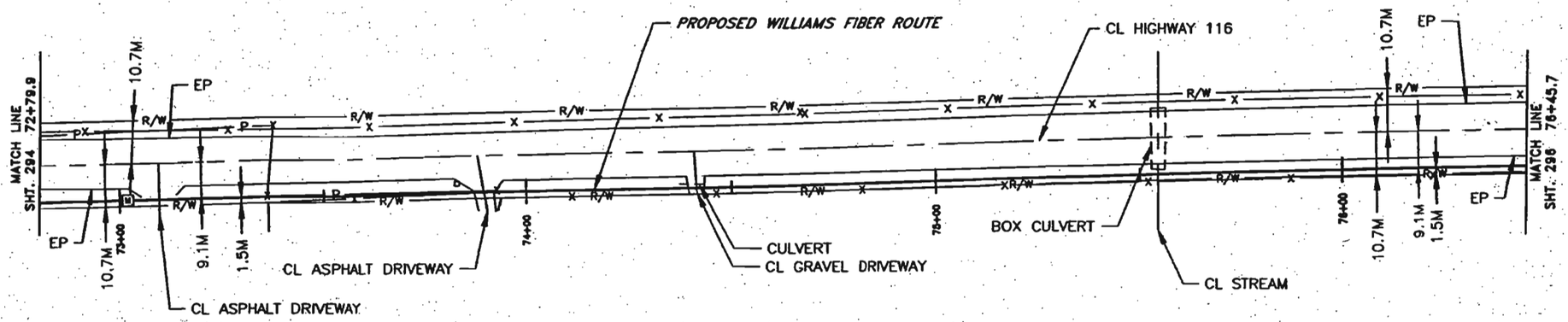
72+94.0 WATER INLET 0.8M LT
73+02.0 PLACE MANHOLE
73+09.8 CL OF DRIVEWAY
73+36.5 POWER POLE 0.2M LT
73+81.8 WATER INLET 1.2M LT
73+87.4 EDGE OF PAVEMENT
73+88.3 CL OF DRIVEWAY
73+92.3 EDGE OF PAVEMENT
73+92.9 POWER POLE 0.4M LT
74+41.3 CL OF DRIVEWAY
76+54.8 CL OF CREEK

ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 36, T5N AND R6W
MDB&M

→ SACRAMENTO



72+79.9 — 76+45.7

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
365.8M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

Interstate Hwy.
U.S. Hwy.
State Hwy.
County Road
RR Mile Mkr.
Misc. Road Sign
New Fiber Cable
Township Line
City Limits
R/W Line
River/Stream
CL Road
CL RR Tracks
Fence
Oil Pipeline
Gas Pipeline
Power Line
Water Line
San. Sewer
Storm Drain
Telephone Line
B.I.P. Black Iron Pipe
G.I.P. Galvanized Iron Pipe
EP Edge of Pavement
EG Edge of Gravel
FC Face of Curb
FL Fog Line and/or White Line
Region Site
P.O.P./Ant.
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
1-888-285-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

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

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : AJS	DATE : 08/06/00
CHECKED BY : KSH	DATE : 08/06/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4675 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-295-SPRD 5	

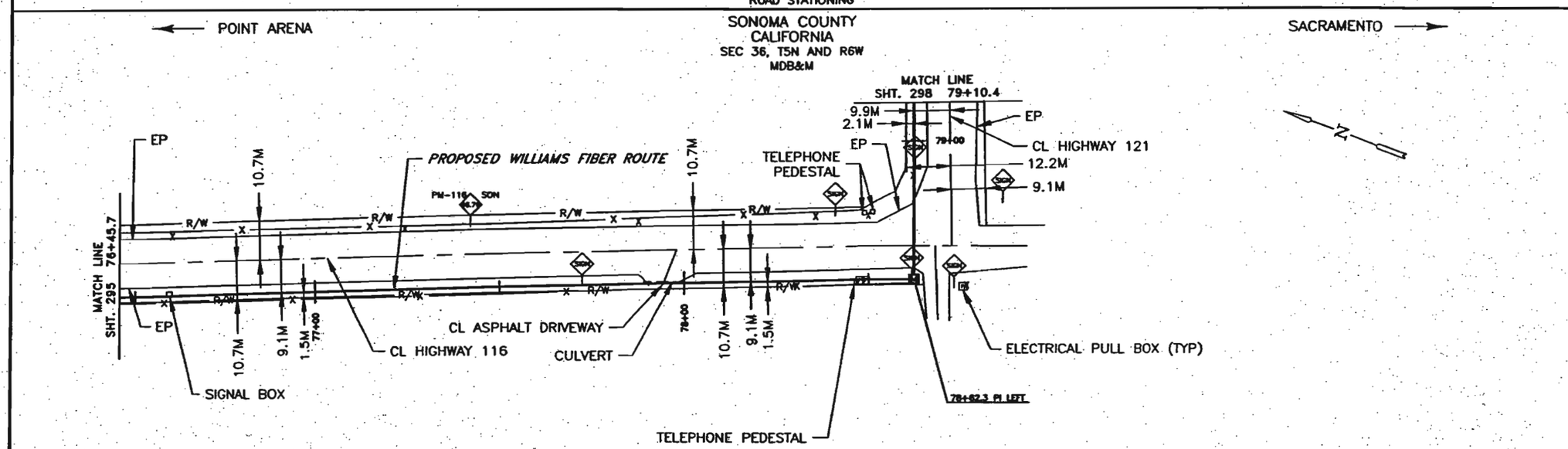
REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

OWNERSHIP | SONOMA COUNTY

76+56.4 SIGNAL BOX 0.5M LT
77+72.4 ROAD SIGN 0.3M RT
77+80.2 EDGE OF PAVEMENT
77+81.3 EDGE OF DRIVEWAY
77+97.9 EDGE OF PAVEMENT
78+18.8 POWER POLE 0.9M RT
78+19.5 PULL BOX 0.2M RT
78+40.2 PULL BOX 0.2M RT
78+59.7 ROAD SIGN 11.1M RT
78+61.8 ROAD SIGN 0.3M RT
78+62.3 ROAD SIGN-SIGNAL RT DRILL
78+62.3 ROAD SIGN CHANGE
78+71.3 PI LEFT
78+71.6 EDGE OF PAVEMENT
78+71.9 EDGE OF WOODS
78+73.8 EDGE OF PAVEMENT
78+80.1 END DIRECTIONAL DRILL
78+80.2 PULL BOX 0.2M LT
78+82.2 ROAD SIGN 0.3M RT

ROAD STATIONING



76+45.7 | 79+10.4

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

264.7M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

22.9M – STEEL PIPE

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Non 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 Grass
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Jct.
- Manhole Splice
- Manhole
- 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

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

WILLIAMS COMMUNICATIONS GROUP
Network Services

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : AJJ	DATE : 08/05/03
CHECKED BY : KSH	DATE : 08/05/03
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-296-SPRD 5

REV-0

OWNERSHIP | SONOMA COUNTY

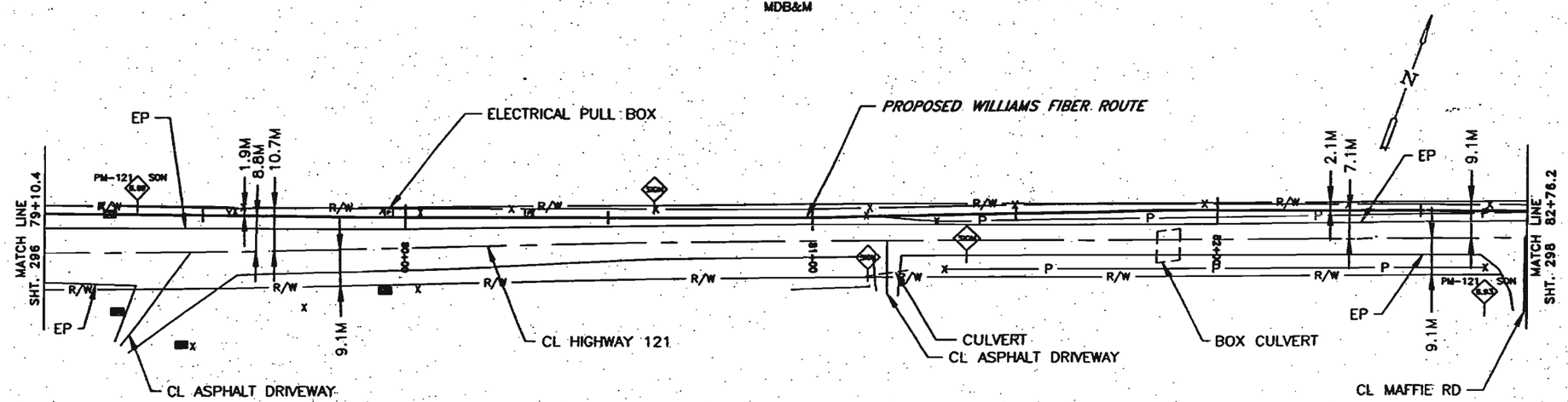
79+26.7 WATER INLET 0.1M LT
79+33.3 ROAD SIGN 0.8M LT
79+38.8 POWER POLE 0.1M LT
79+38.8
79+86.2 POWER POLE 1.0M LT
79+86.2 PULL BOX 1.2M LT
80+03.7 POWER POLE 1.1M LT
80+31.4 PULL BOX 1.0M LT
80+31.2 POWER POLE 0.6M LT
80+61.0 ROAD SIGN 0.8M RT
81+13.6 POWER POLE 0.2M LT
81+39.8 POWER POLE 1.0M RT
81+39.8 1.0M RT
81+36.0 ROAD SIGN 12.0M RT

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 31, T5N AND R5W
MDB&M

SACRAMENTO →



79+10.4 | 82+76.2

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
365.8M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

LEGEND

Interstate Hwy.
U.S. Hwy.
State Hwy.
County Road
RR Mile Mkr.
Misc. Road Sign
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 Grade
FC Face of Curb
FL Fog Line and/or White Line
Region Site
P.O.P./Jct.
Handhole Splice
Handhole
Manhole Splice
Manhole
XS 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

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : ALI	DATE : 08/06/03
CHECKED BY : KSH	DATE : 08/06/03
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-297-SPRD 5

REV-0

OWNERSHIP | SONOMA COUNTY

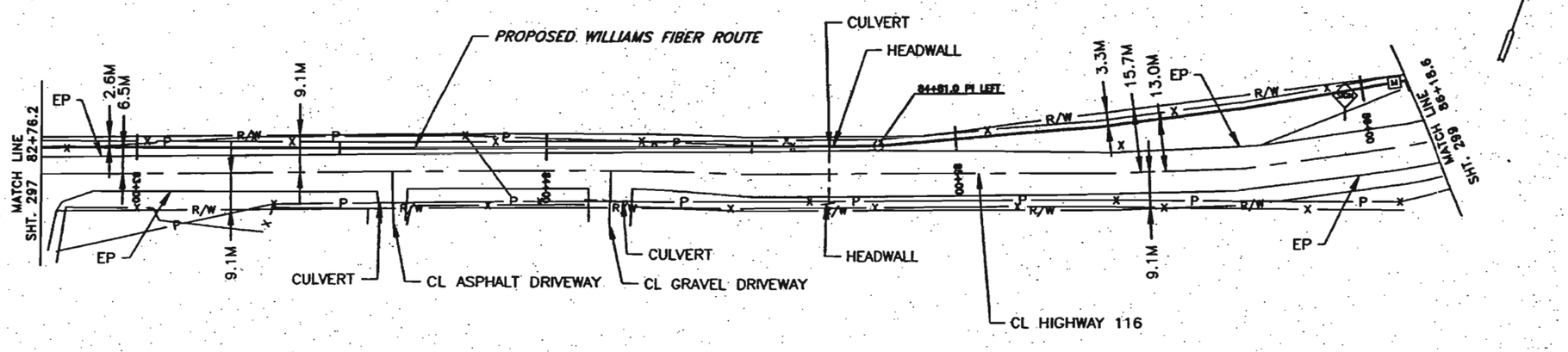
82+82.8 POWER POLE 0.3M RT
83+28.9 POWER POLE 2.7M LT
83+33.8 POWER POLE 13.6M RT
83+80.4 POWER POLE 3.0M LT
83+86.5 POWER POLE 13.3M RT
84+38.8 POWER POLE 0.1M LT
84+44.0 POWER POLE 13.6M RT
84+46.6 CULVERT
84+81.0 R/L CHANGE
86+39.8 POWER POLE 5.0M RT
86+84.6 ROAD SIGN 7.1M RT
86+08.0 PLACE MANHOLE

ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 31, T31 AND R5W
MDB&M

SACRAMENTO →



82+76.2 | 86+18.6

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
342.4M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Int.
- 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
1–888–263–2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
DUCT & TYPE (COND/SMOOTH/COLOR)	PIPE & DUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE USE PLACE
FUTURE–3	
FUTURE–4	

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : ALI	DATE : 08/06/00
CHECKED BY : KSH	DATE : 08/06/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:20.5	
VERTICAL SCALE (DWG) : 1:20.5	
VERTICAL SCALE (PROF) : 1:20.5	
MAP PROJECTION : MAP–PROJECTION	

DRAWING NUMBER : PTAR–SACR–298–SPRD 5

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRIS
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

REV–0

OWNERSHIP

SONOMA COUNTY

87+10.8 ROAD SIGN 11.1M RT

87+40.1 EDGE OF PAVEMENT
87+42.8 EC OF DRIVEWAY
87+45.8 EDGE OF PAVEMENT

87+70.8 ROAD SIGN 6.0M RT

87+74.8 POWER POLE 4.7M LT

88+27.8 BEGIN DIRECTIONAL DRILL
PLACE MANHOLE
R/L CHANGE

88+38.4 EDGE OF PAVEMENT

88+44.7 CL OF ROAD

88+50.9 EDGE OF PAVEMENT
88+52.4 END DIRECTIONAL DRILL
PLACE MANHOLE
R/L CHANGE

88+56.8 ROAD SIGN 0.2M LT

88+82.6 END OF BRIDGE

89+30.1 CL OF CREEK

89+74.8 END OF BRIDGE

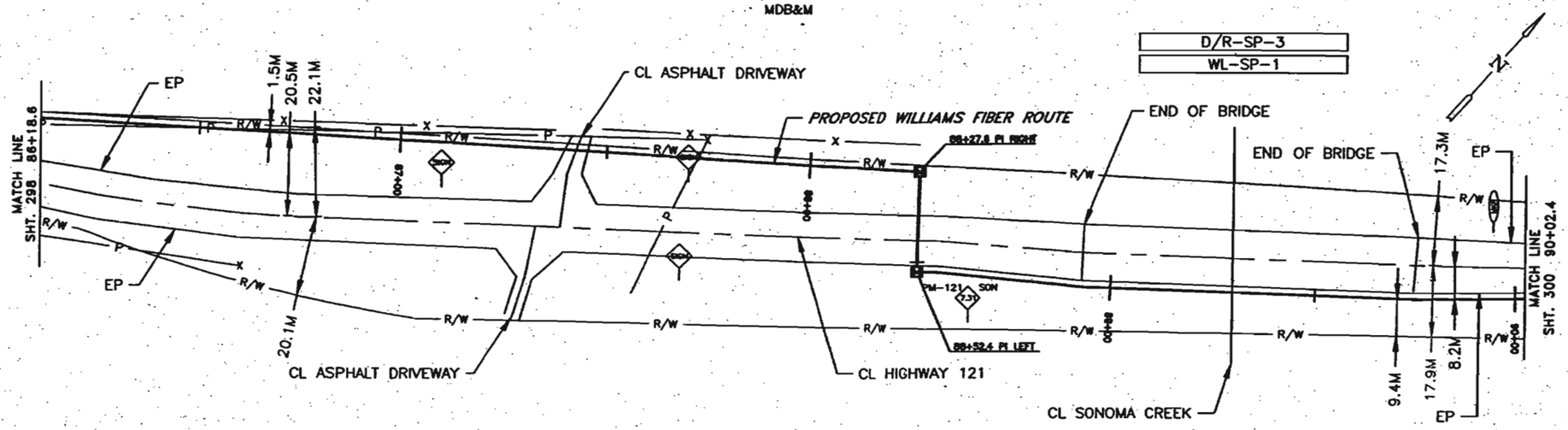
ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 30, T5N AND R5W
MDB&M

→ SACRAMENTO

D/R-SP-3
WL-SP-1



86+18.6

90+02.4

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
383.8M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)
24.8M – STEEL PIPE

REV-0

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- 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.L.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Grass
- 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSN	01/14

CABLE DESCRIPTION
- CABLE FIBER COUNT MFG. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & DIRECTIONAL PLACEMENT
- DIRECTIONAL & TYPE (CONN/SMOOTH/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE USE PLACE
- FUTURE-2
- FUTURE-3
- FUTURE-4

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : AJJ	DATE : 08/04/00
CHECKED BY : KSN	DATE : 08/04/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4475 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-299-SPRD 5

OWNERSHIP

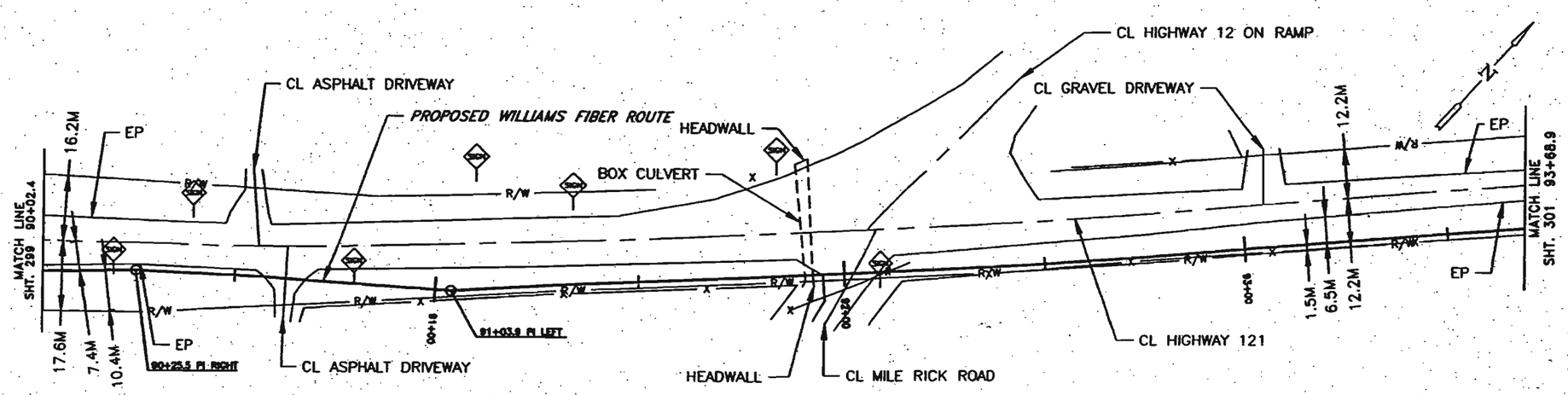
SONOMA COUNTY

90+18.8 ROAD SIGN 0.8M RT
90+25.5 R/L CHANGE
90+36.1 ROAD SIGN 13.8M LT
90+87.2 EDGE OF PAVEMENT
90+92.8 CL OF DRIVEWAY
90+97.7 EDGE OF PAVEMENT
90+78.7 ROAD SIGN 0.3M RT
91+03.9 R/L CHANGE
91+06.4 POWER POLE 8.5M RT
91+07.1 CONCRETE DIRECTIONAL DRILL
91+07.2 ROAD SIGN
91+07.7 EDGE OF PAVEMENT
91+24.8 EDGE OF PAVEMENT
92+02.3 CL OF ROAD
92+06.9 EDGE OF PAVEMENT
92+08.1 ROAD SIGN 3.9M RT
92+11.3 POWER POLE 0.1M LT
92+13.8 END DIRECTIONAL DRILL

ROAD STATIONING

POINT ARENA ← → SACRAMENTO

SONOMA COUNTY
CALIFORNIA
SEC 30, T5N AND R5W
MDB&M



90+02.4 — 93+68.9

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
366.5M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

REV–0

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Non Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fences
- 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
- ES Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER
1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1–888–263–2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

CABLE DESCRIPTION
CABLE FIBER COUNT MFG. TYPE OF GLASS
CABLE REEL NO.
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH
DUCT & TYPE (CORR/SMOOTH/COLOR)

PIPE & DUCT PLACEMENT
STEEL PIPE SIZE
PVC

FUTURE USE PLACE
FUTURE–2
FUTURE–3
FUTURE–4

WILLIAMS COMMUNICATIONS GROUP Network Services

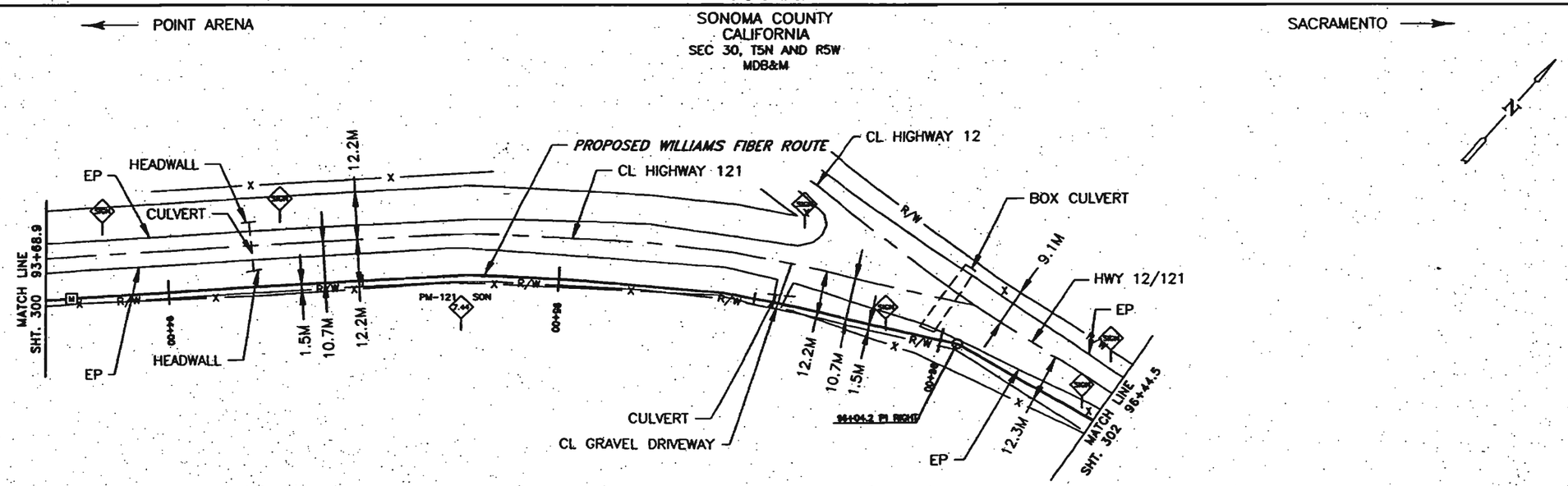
POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY :	AJJ	DATE :	01/04/03
CHECKED BY :	KSH	DATE :	01/04/03
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4575	LOC. CODE :	000001
HORIZONTAL SCALE (DWG & PROF) :	1:30.5		
VERTICAL SCALE (DWG) :	1:30.5		
VERTICAL SCALE (PROF) :	1:30.5		
MAP PROJECTION :	MAP–PROJECTION		
DRAWING NUMBER :	PTAR–SACR–300–SPRD 5		

OWNERSHIP | SONOMA COUNTY

93+76.3 PLACE MANHOLE
94+22.9 CULVERT 4.0M LT
95+56.3 CL OF DRIVEWAY
95+65.4 ROAD SIGN 0.7M RT
96+04.2 R/L CHANGE
96+12.2 ROAD SIGN 1.4M LT
96+12.2 POWER POLE 1.0M LT

ROAD STATIONING



93+68.9 | 96+44.5

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
275.6M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Int.
- Handhole Splice
- Handhole
- Handhole Splice
- Handhole
- SS Handhole
- 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
1–888–285–2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

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

WILLIAMS COMMUNICATIONS GROUP
Network Services

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : AU	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4075	LOC. CODE : 000000
HORIZONTAL SCALE (DWG & PROF) : 1:20.0	
VERTICAL SCALE (DWG) : 1:20.0	
VERTICAL SCALE (PROF) : 1:20.0	
MAP PROJECTION : MAP–PROJECTION	

DRAWING NUMBER : PTAR–SACR–301–SPRD 5

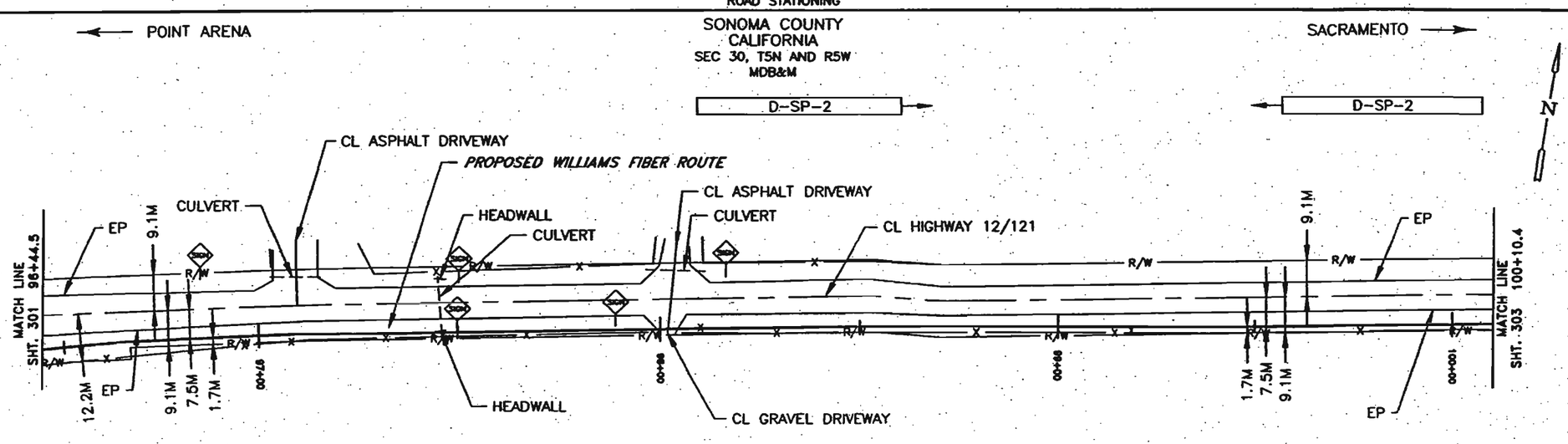
REV–0

OWNERSHIP

SONOMA COUNTY

97+07.7 POWER POLE 1.6M RT
97+46.0 CULVERT 0.6M LT
97+48.5 ROAD SIGN 0.1M RT
97+60.3 ROAD SIGN 12.8M LT
97+88.9 ROAD SIGN 1.0M LT
98+02.1 CL OF DRIVEWAY
98+10.3 POWER POLE 0.2M LT
98+16.4 ROAD SIGN 13.0M LT
99+18.8 POWER POLE 1.0M RT

ROAD STATIONING



LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Rest Area
- 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
- 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

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

96+44.5 — 100+10.4

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
365.9M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

REVISIONS			
REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : ALI	DATE : 08/06/00
CHECKED BY : KSH	DATE : 08/06/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4075 LOC. CODE : 000001	
HORIZONTAL SCALE (PLAN & PROF) : 1:20.5	
VERTICAL SCALE (PLAN) : 1:20.5	
VERTICAL SCALE (PROF) : 1:20.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-302-SPRD 5

REV-0

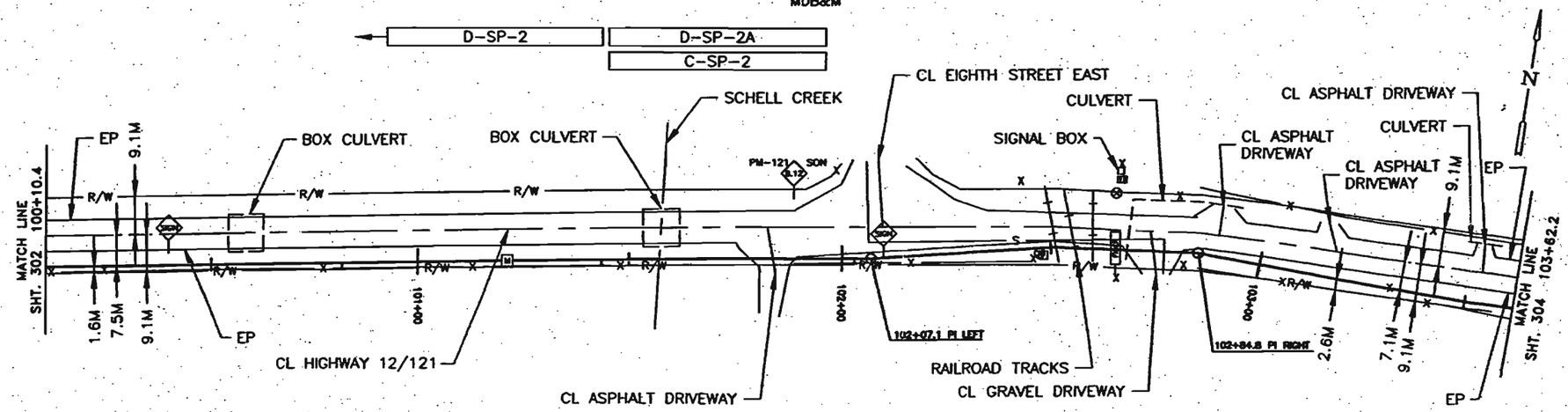
OWNERSHIP | SONOMA COUNTY

100+24.3 POWER POLE 0.9M RT
100+40.2 ROAD SIGN 2.5M LT
100+82.0 POWER POLE 0.9M RT
101+21.1 PLACE MANHOLE
101+43.5 POWER POLE 0.7M RT
101+56.9 CL OF CREEK
101+78.4 EDGE OF PAVEMENT
101+83.8 CL OF DRIVEWAY
101+89.1 EDGE OF PAVEMENT
102+02.9 POWER POLE 0.5M RT
102+07.1 P.I. CHANGE
102+10.2 ROAD SIGN 0.3M RT
102+45.7 POWER POLE 2.4M RT
102+47.7 BEGIN DIRECTIONAL DRILL
102+48.1 PULL BOX 1.7M RT
102+84.8 RAILROAD TRACK
102+89.9 RAILROAD TRACK
102+95.6 FIBER MARKER 5.5M RT
102+96.9 POWER POLE 4.5M RT
103+03.2 CULVERT
103+73.3 CL OF DRIVEWAY
103+74.8 POWER POLE 1.3M LT
103+77.9 POWER POLE 3.1M RT
103+78.4 P.I. CHANGE
103+82.2 END DIRECTIONAL DRILL
103+31.9 POWER POLE 0.2M LT

ROAD STATIONING

POINT ARENA ← | SONOMA COUNTY CALIFORNIA SEC 29, T5N AND R5W MDB&M | → SACRAMENTO

D-SP-2 | D-SP-2A | C-SP-2



100+10.4 | 103+62.2

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
351.8M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

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 Grass
FC Face of Curb
FL Fog Line and/or White Line
Pegged 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
1-800-252-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : AJJ	DATE : 00/00/00
CHECKED BY : HSG	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4075 LOC. CODE : 000000	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

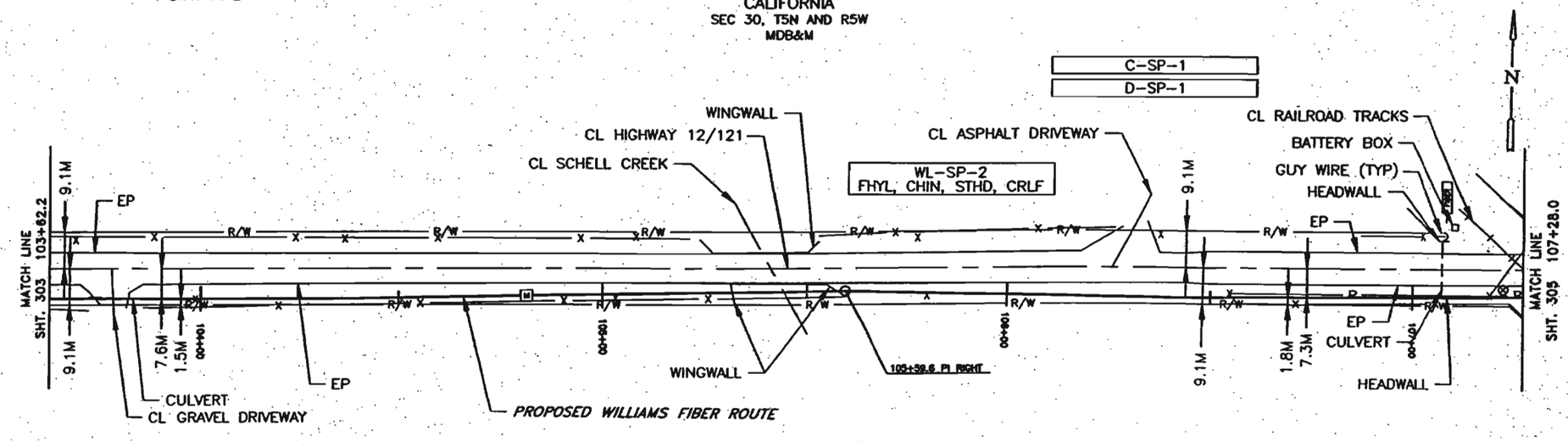
DRAWING NUMBER : PTAR-SACR-303-SPRD 5

OWNERSHIP | SONOMA COUNTY

103+68.7 POWER POLE 14.8M LT
103+78.1 CL OF DRIVEWAY
103+88.7 POWER POLE 0.1M RT
104+81.3 PLACE MANHOLE
105+03.1 POWER POLE 1.1M RT
105+08.4 POWER POLE 14.3M LT
105+24.0 WINGWALL 13.3M LT
105+27.0 WINGWALL 10.0M LT
105+31.4 WINGWALL 2.2M LT
105+32.5 WINGWALL 3.1M RT
105+44.4 CL OF CREEK
105+50.8 WINGWALL 8.8M LT
105+53.3 WINGWALL 2.5M LT
105+55.0 WINGWALL 1.7M LT
105+67.4 CULVERT
105+88.9 R/L CHANGE
105+89.7 WINGWALL 1.3M RT
106+77.8 POWER POLE 13.8M LT
106+80.1 POWER POLE 0.7M RT
106+54.7 POWER POLE 0.9M LT
107+08.5 CULVERT
107+16.9 GAS MARKER 1.7M RT
107+17.5 POWER POLE 0.4M LT
107+17.8 POWER POLE 0.4M LT
107+25.5 POWER POLE 1.4M RT

ROAD STATIONING

POINT ARENA ← | SONOMA COUNTY CALIFORNIA SEC 30, T5N AND R5W MDB&M | → SACRAMENTO



103+62.2 | 107+28.0

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

365.8M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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 Grass
FC Face of Curb
FL Fog Line and/or White Line
Region Site
P.O.P./Jct.
Handhole Splice
Handhole
Manhole Splice
Manhole
XS 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSM	01/04

CABLE DESCRIPTION: CABLE FIBER COUNT MFG. TYPE OF GLASS; CABLE REEL NO.; SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & DUCT PLACEMENT: DUCT & TYPE (COND/DIAMETER/COLOR); STEEL PIPE SIZE; PVC

FUTURE WIRE PLACE: FUTURE-2; FUTURE-3; FUTURE-4

REGISTERED PROFESSIONAL ENGINEER JOHN W. HARRISON No. 37661 EXP. 12/31/04 CIVIL STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MTW | DATE : 00/00/00
CHECKED BY : KSM | DATE : 00/00/00
APPROVED BY : | DATE :
APPROVED BY : | DATE :
AFE : 4875 | LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROF) : 1:30.5
VERTICAL SCALE (DWG) : 1:30.5
VERTICAL SCALE (PROF) : 1:30.5
MAP PROJECTION : MAP-PROJECTION

DRAWING NUMBER : PTAR-SACR-304-SPRD 5

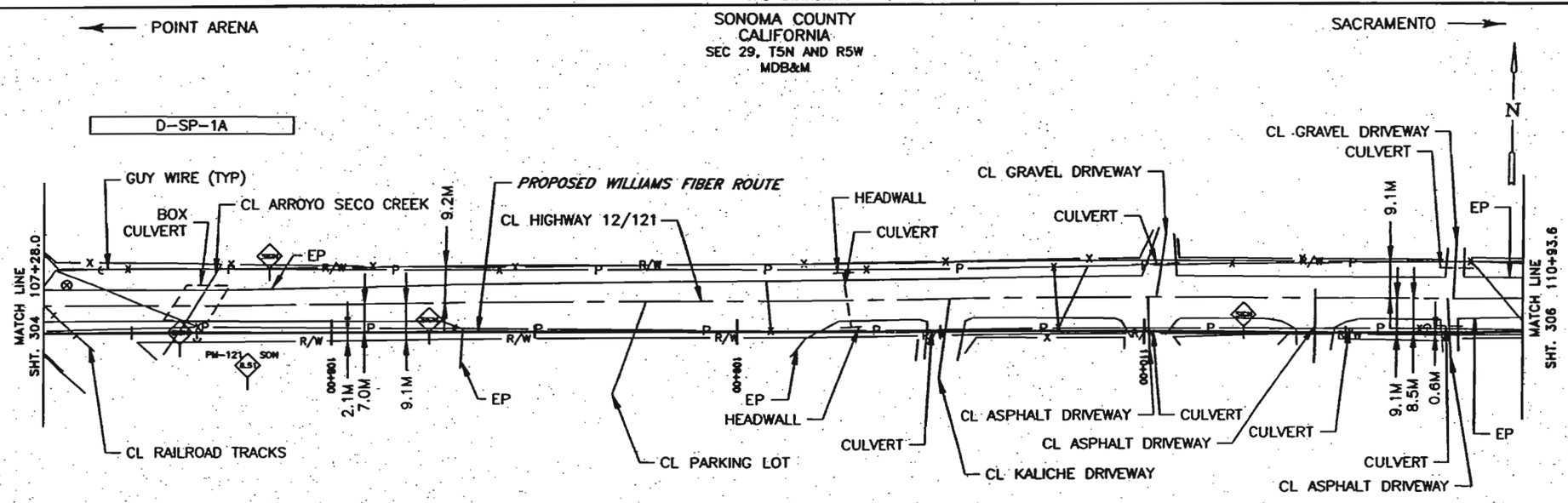
REV-0

OWNERSHIP | SONOMA COUNTY

107+31.0 FIBER MARKER 9.9M RT
107+31.0 FIBER MARKER 9.9M RT
107+35.6 CL RAILROAD TRACK
107+49.3 END DIRECTIONAL DRILL
107+61.4 CL OF CREEK
107+61.6 ROAD SIGN 6.1M RT
107+66.9 GUY WIRE 1.4M RT
107+66.9 POWER POLE 1.4M LT
107+84.1 ROAD SIGN 12.9M LT
108+24.4 ROAD SIGN 3.0M RT
108+30.3 POWER POLE 0.9M LT
108+31.9 EDGE OF PAVEMENT
108+74.9 CL OF DRIVEWAY
109+08.1 POWER POLE 0.2M LT
109+12.4 EDGE OF PAVEMENT
109+27.7 CULVERT 0.9M LT
109+46.9 EDGE OF PAVEMENT
109+51.2 CL OF DRIVEWAY
109+55.9 EDGE OF PAVEMENT
109+78.9 POWER POLE 0.8M LT
109+95.9 EDGE OF PAVEMENT
110+01.2 CL OF DRIVEWAY
110+06.2 EDGE OF PAVEMENT
110+28.1 ROAD SIGN 1.7M RT
110+37.8 EDGE OF PAVEMENT
110+42.2 CL OF DRIVEWAY
110+47.1 EDGE OF PAVEMENT
110+87.8 POWER POLE 1.0M LT
110+88.3 GUY WIRE 1.2M LT
110+73.7 EDGE OF DRIVEWAY
110+77.6 EDGE OF PAVEMENT

ROAD STATIONING

SONOMA COUNTY
CALIFORNIA
SEC 29, T5N AND R5W
MDB&M



107+28.0 | 110+93.6

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
365.6M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

CABLE DESCRIPTION: CABLE FIBER COUNT MFG. TYPE OF GLASS; CABLE REEL NO.; SPLICE TO SPLICE CABLE LENGTH & CBL LENGTH
PIPE & DUCT PLACEMENT: DUCT & TYPE (CODE/DIAMETER/COLOR); STEEL PIPE SIZE; PVC
FUTURE USE PLACE: FUTURE-2; FUTURE-3; FUTURE-4

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARP
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

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
- Sec. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Grand
- FC Face of Curb
- FL Fog Line and/or White Line
- Regen Site
- P.O.P./Jct.
- Manhole Splice
- Manhole
- 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/14

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : MTW	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000001	
HORIZONTAL SCALE (PLAN & PROF) : 1:20.5	
VERTICAL SCALE (PLAN) : 1:20.5	
VERTICAL SCALE (PROF) : 1:20.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-305-SPRD 5

REV-0

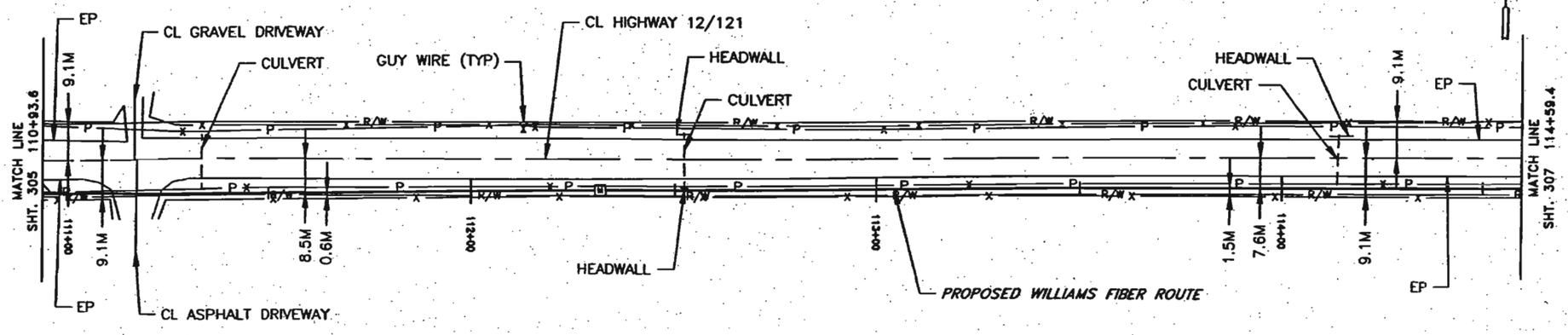
OWNERSHIP | SONOMA COUNTY

110+98.9 POWER POLE 0.5M LT
111+11.4 EDGE OF PAVEMENT
111+17.2 CL OF DRIVEWAY
111+23.2 EDGE OF PAVEMENT
111+44.5 POWER POLE 1.4M LT
112+19.6 POWER POLE 1.0M LT
112+31.8 PLACE MANHOLE
112+52.4 CULVERT 0.6M LT
113+02.0 POWER POLE 18.0M LT
113+23.0 POWER POLE 1.1M LT
114+13.7 CULVERT 0.6M LT
114+24.6 POWER POLE 1.2M LT

ROAD STATIONING

POINT ARENA ← | SONOMA COUNTY CALIFORNIA SEC 29, T5N AND R5W MDB&M | → SACRAMENTO

N



110+93.6 | 114+59.4

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
365.8M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

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
- 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

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

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY :	NTW	DATE :	08/04/99
CHECKED BY :	KSH	DATE :	08/04/99
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4675	LOC. CODE :	000001
HORIZONTAL SCALE (PLAN & PROF) :	1:30.5		
VERTICAL SCALE (PLAN) :	1:30.5		
VERTICAL SCALE (PROF) :	1:30.5		
MAP PROJECTION :	MAP–PROJECTION		
DRAWING NUMBER :	PTAR–SACR–306–SPRD 5		

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/00
CIVIL
STATE OF CALIFORNIA

REV–0

OWNERSHIP

SONOMA COUNTY

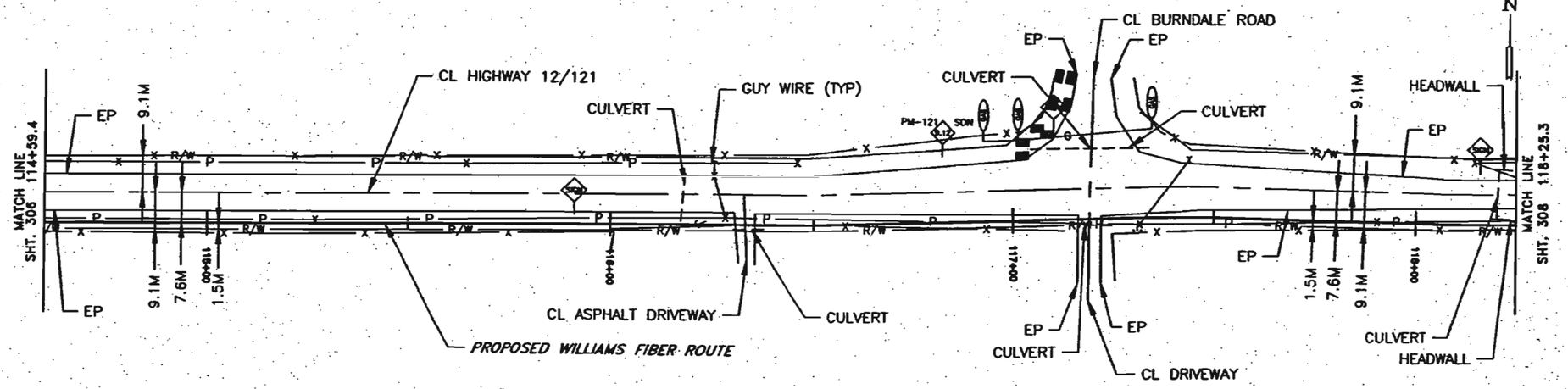
115+27.2 POWER POLE 0.9M LT
115+60.8 ROAD SIGN 2.4M LT
116+17.4 CULVERT 0.8M LT
116+21.9 GUY WIRE 0.2M LT
116+23.4 POWER POLE 13.2M LT
116+28.2 POWER POLE 13.3M LT
116+30.4 EDGE OF PAVEMENT
116+33.1 EDGE OF DRIVEWAY
116+35.5 EDGE OF PAVEMENT
117+16.1 EDGE OF PAVEMENT
117+21.9 EDGE OF PAVEMENT
117+30.9 GUY WIRE 3.7M RT
117+31.3 POWER POLE 1.8M RT
117+43.8 POWER POLE 14.2M LT
117+60.3 POWER POLE 0.1M LT
118+16.4 ROAD SIGN 12.7M LT
118+24.0 CULVERT

ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 29, T5N AND R5W
MDB&M

→ SACRAMENTO



114+59.4

118+25.3

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
365.9M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Misc 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 Grade
- 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

CABLE FIBER COUNT NFO. 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	

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRIS
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MTW	DATE : 08/05/03
CHECKED BY : KSD	DATE : 08/05/03
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4575 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-307-SPRD 5

REV-0

OWNERSHIP | SONOMA COUNTY

118+28.1 EDGE OF PAVEMENT
118+34.3 CL OF DRIVEWAY
118+38.6 EDGE OF PAVEMENT
118+53.3 POWER POLE 1.4M LT
118+57.0 EDGE OF PAVEMENT
118+62.9 CL OF DRIVEWAY
118+68.3 EDGE OF PAVEMENT
119+15.6 EDGE OF PAVEMENT
119+21.0 CL OF DRIVEWAY
119+23.9 EDGE OF PAVEMENT
119+26.9 POWER POLE 1.3M LT
119+58.1 POWER POLE 1.7M LT
119+59.6 EDGE OF PAVEMENT
119+62.0 CL OF DRIVEWAY
119+64.1 EDGE OF PAVEMENT
119+96.6 PLACE MANHOLE
120+11.4 ROAD SIGN 1.2M LT
120+38.9 POWER POLE 1.3M LT
120+56.6 CULVERT
120+83.1 GUY WIRE 0.7M LT
120+97.5 POWER POLE 0.7M LT
121+23.4 BEGIN DIRECTIONAL DRILL
121+23.9 CULVERT
121+24.0 EDGE OF PAVEMENT
121+24.2 CL OF DRIVEWAY
121+24.4 EDGE OF PAVEMENT
121+31.6 END DIRECTIONAL DRILL
121+34.0 POWER POLE 1.3M LT

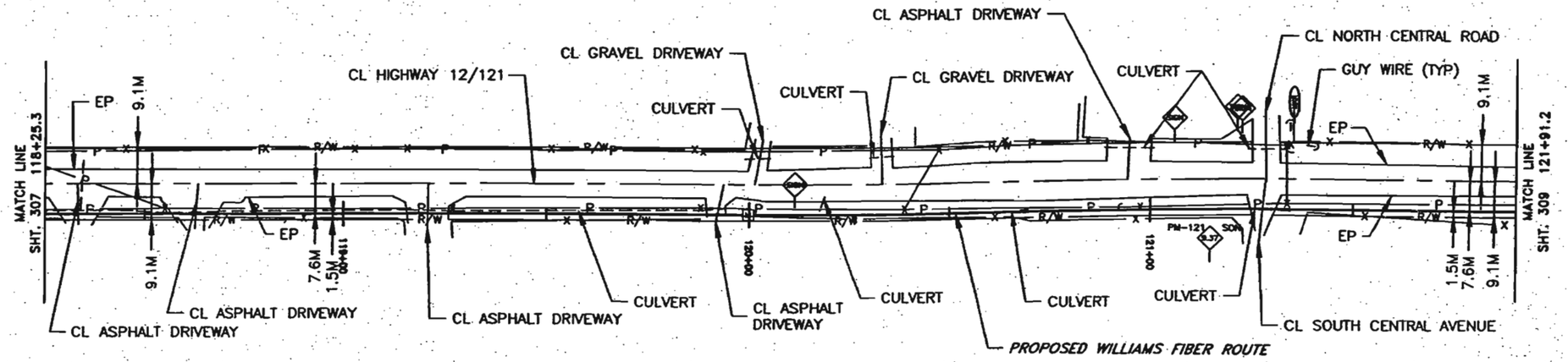
ROAD STATIONING

← POINT ARENA

SONOMA COUNTY
CALIFORNIA
SEC 29, TN5 AND R5W
MDB&M

SACRAMENTO →

N



118+25.3 | 121+91.2

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
365.9M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

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 Grand
- FC Face of Curb
- FL Fog Line and/or Yellow 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

CABLE DESCRIPTION
- CABLE FIBER COUNT MFG. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & DUCT PLACEMENT
- DUCT/DUCT & TYPE (CORR/SMOOTH/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE USE PLACE
- FUTURE-2
- FUTURE-3
- FUTURE-4

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : MTW	DATE : 08/05/99
CHECKED BY : KSH	DATE : 08/06/99
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 000001
HORIZONTAL SCALE (MAP & PROF) : 1:38.5	
VERTICAL SCALE (MAP) : 1:38.5	
VERTICAL SCALE (PROF) : 1:38.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-308-SPRD 5

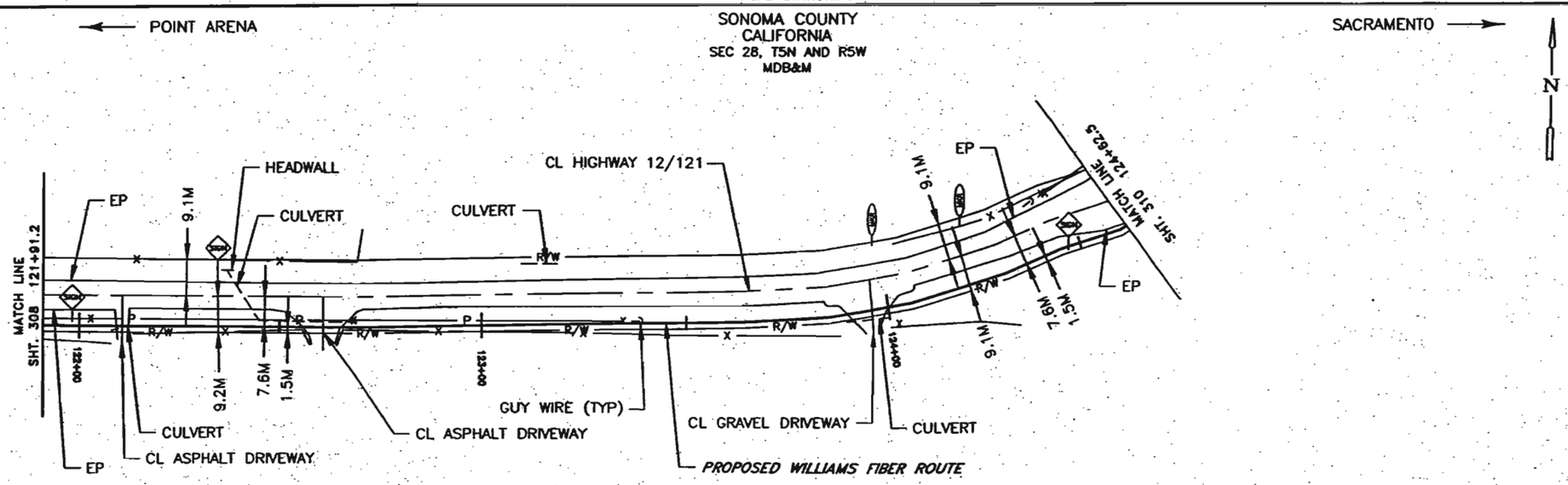
REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

OWNERSHIP | SONOMA COUNTY

121+98.3 ROAD SIGN 1.0M LT
122+02.9 POWER POLE 1.8M LT
122+09.4 EDGE OF PAVEMENT
122+11.1 EDGE OF PAVEMENT
122+13.4 CULVERT
122+34.9 ROAD SIGN 13.5M LT
122+55.8 EDGE OF PAVEMENT
122+61.0 CL OF DRIVEWAY
122+65.2 EDGE OF PAVEMENT
122+68.2 POWER POLE 1.8M LT
123+34.2 POWER POLE 0.9M LT
123+34.2 GUY WIRE 0.5M LT
123+85.7 CL OF DRIVEWAY
124+02.3 POWER POLE 4.6M RT
124+12.7 GUY WIRE 13.9M LT
124+12.7 POWER POLE 13.7M LT
124+12.9 ROAD SIGN 0.7M RT

ROAD STATIONING



121+91.2

124+62.5

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
271.3M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

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

CABLE DESCRIPTION
PIPE & INNERDUCT PLACEMENT
FUTURE DUCT PLACE

REV-0

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRIS
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Handhole Splice
- Handhole
- 2S Handhole
- 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

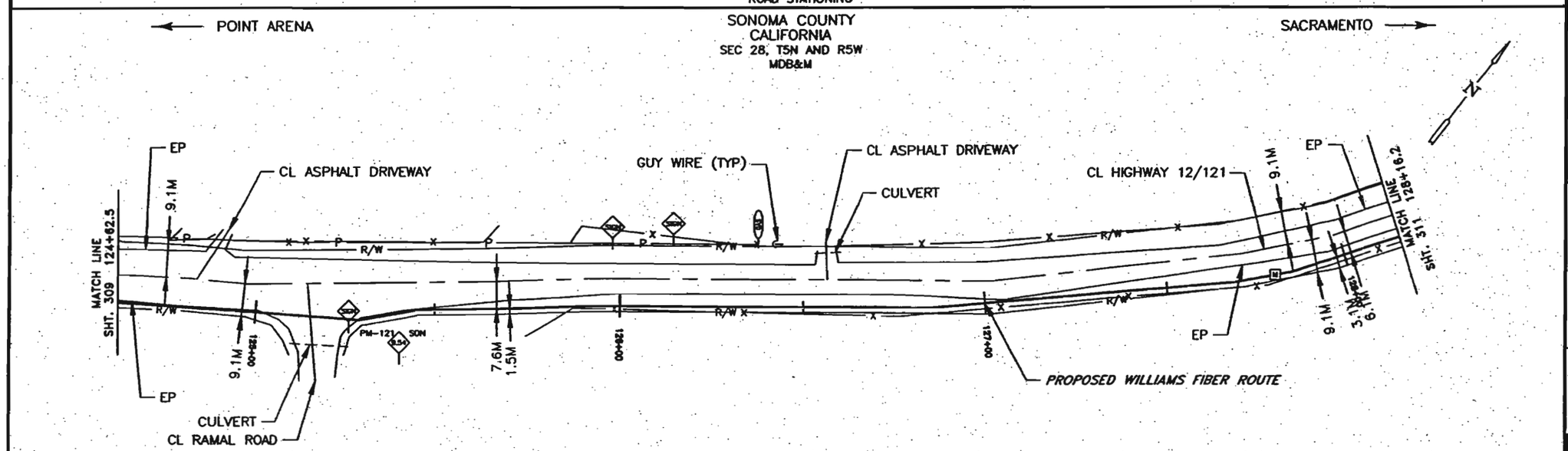
DRAWN BY :	MTW	DATE :	08/08/03
CHECKED BY :	KSH	DATE :	08/08/03
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4875	LOC. CODE :	000001
HORIZONTAL SCALE (DWG & PROF) :	1:30.5		
VERTICAL SCALE (DWG) :	1:30.5		
VERTICAL SCALE (PROF) :	1:30.5		
MAP PROJECTION :	MAP-PROJECTION		

DRAWING NUMBER : PTAR–SACR–309–SPRD 5

OWNERSHIP | SONOMA COUNTY

125+20.0 BEGIN DIRECTIONAL DRILL
125+22.4 EDGE OF PAVEMENT
125+15.2 CL OF ROAD
125+26.3 ROAD SIGN 3.6M RT
125+28.8 EDGE OF PAVEMENT
125+30.5 END DIRECTIONAL DRILL
127+80.2 PLACE MANHOLE

ROAD STATIONING



124+62.5 | 128+16.2

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
353.7M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Rogue Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- 2S Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet
- 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

CABLE DESCRIPTION
- CABLE FIBER COUNT MFR. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & INNERDUCT PLACEMENT
- INNERDUCT & TYPE (CONE/SNOOPY/COLOR)
- SHEET PIPE SIZE
- PVC

FUTURE USE PLACE
- FUTURE–2
- FUTURE–3
- FUTURE–4

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY :	MTW	DATE :	08/06/00
CHECKED BY :	KSH	DATE :	08/06/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4675	LOC. CODE :	000001
HORIZONTAL SCALE (DWG & PROF) :	1:30.5		
VERTICAL SCALE (DWG) :	1:30.5		
VERTICAL SCALE (PROF) :	1:30.5		
MAP PROJECTION :	MAP–PROJECTION		

DRAWING NUMBER : PTAR–SACR–310–SPRD 5

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

REV–0

OWNERSHIP

SONOMA COUNTY

128+63.9 ROAD SIGN 13.2M LT

130+82.5 ROAD SIGN 1.5M RT

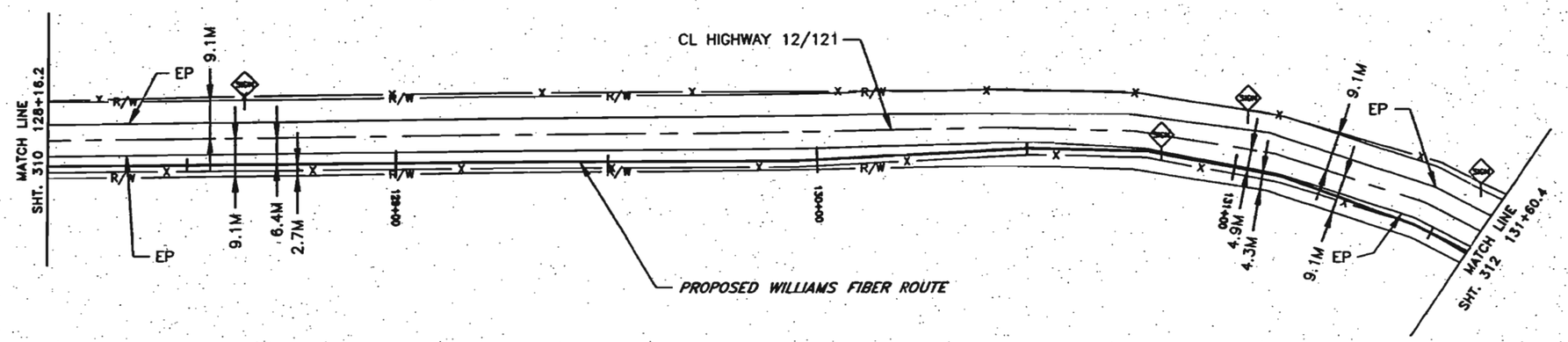
131+01.2 ROAD SIGN 10.9M LT

ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 28, T5N AND R5W
MDB&M

→ SACRAMENTO



128+16.2

131+60.4

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
344.2M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Non 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
- Gas. 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 Flag 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

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

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : MW	DATE : 08/06/08
CHECKED BY : KSH	DATE : 08/06/08
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4075 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-311-SPRD 5

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

OWNERSHIP

SONOMA COUNTY

134+20.8 ROAD SIGN 0.1M LT

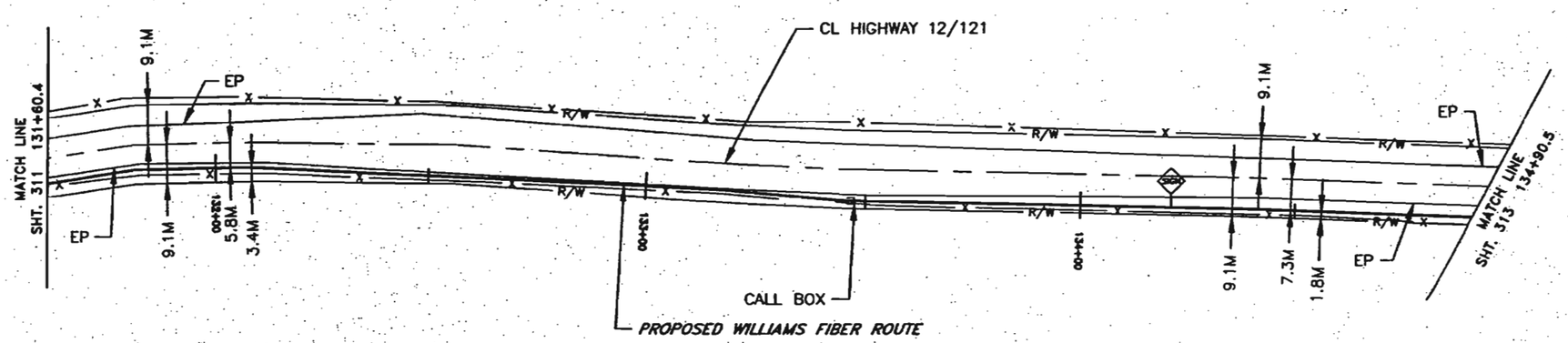
ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 28, T5N AND R5W
MDB&M

→ SACRAMENTO

N



131+60.4

134+90.5

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
330.1M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- MR Mile Mkr.
- Misc. Road Sign
- 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 Walk Line
- Region Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SE Manhole
- X 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (CODE/SHADOW/COLOR)	PIPE & INNERDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE USE PLACE
FUTURE-5	
FUTURE-6	

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY :	MTV	DATE :	00/00/00
CHECKED BY :	KSH	DATE :	00/00/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4675	LOC. CODE :	000001
HORIZONTAL SCALE (DWG & PROF) :	1:30.5		
VERTICAL SCALE (DWG) :	1:30.5		
VERTICAL SCALE (PROF) :	1:30.5		
MAP PROJECTION :	MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-312-SPRD 5

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRIS
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

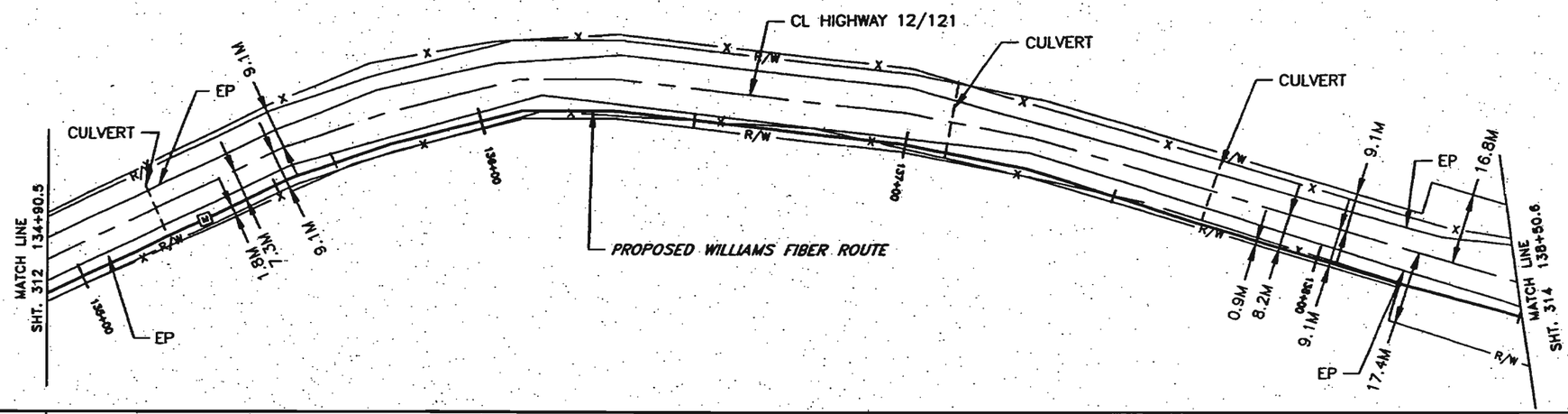
OWNERSHIP | SONOMA COUNTY

135+22.3 CULVERT 1.8M LT
135+31.5 PLACE MANHOLE
137+09.4 CULVERT
137+71.3 CULVERT 0.9M LT

ROAD STATIONING

POINT ARENA ← | → SACRAMENTO

SONOMA COUNTY
CALIFORNIA
SEC 27, T5N AND R5W
MDB&M



134+90.5 | 138+50.6

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
360.1M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

CABLE FIBER COUNT MFR. 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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

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
- ED Edge of Gravel
- FC Face of Curb
- PL Peg Line and/or White Line
- Repeat 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : MTW	DATE : 00/00/00
CHECKED BY : KSB	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4675 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-313-SPRD 5

REV-0

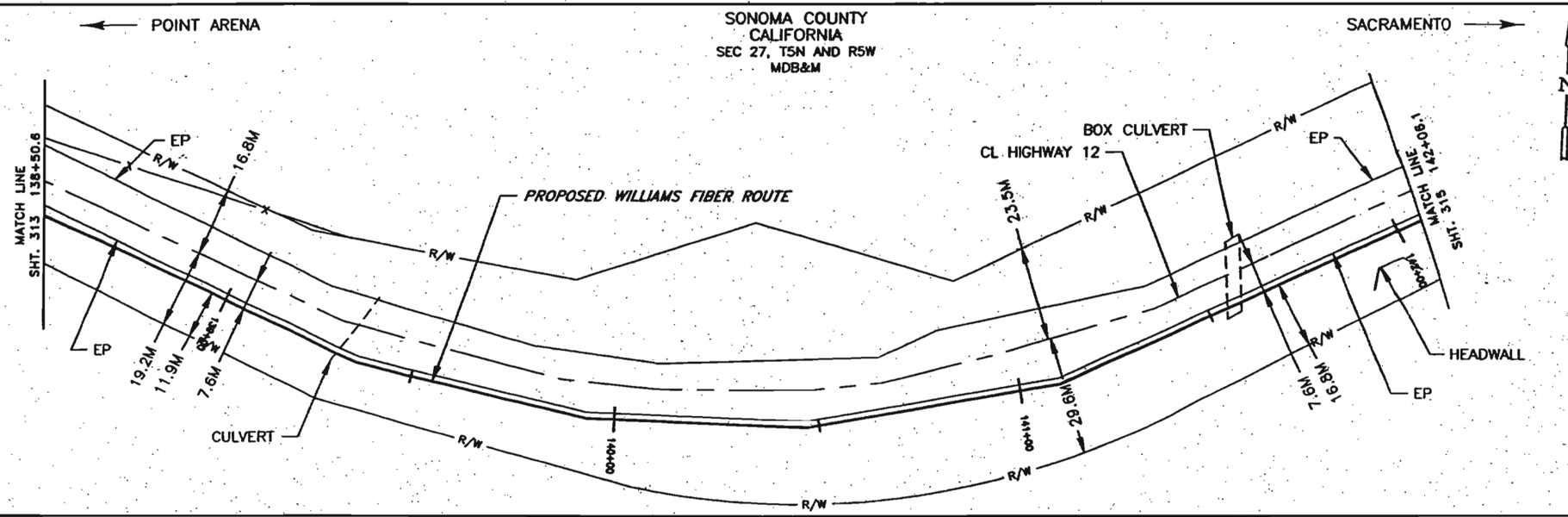
OWNERSHIP | SONOMA COUNTY

130+30.5 CULVERT

141+36.1 CULVERT

ROAD STATIONING

SONOMA COUNTY
CALIFORNIA
SEC 27, T5N AND R5W
MDB&M



138+50.6

142+06.1

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

355.5M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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
- ED 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

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

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MTW	DATE : 09/02/03
CHECKED BY : KDB	DATE : 09/02/03
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	
DRAWING NUMBER : PTAR-SACR-314-SPRD 5	

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

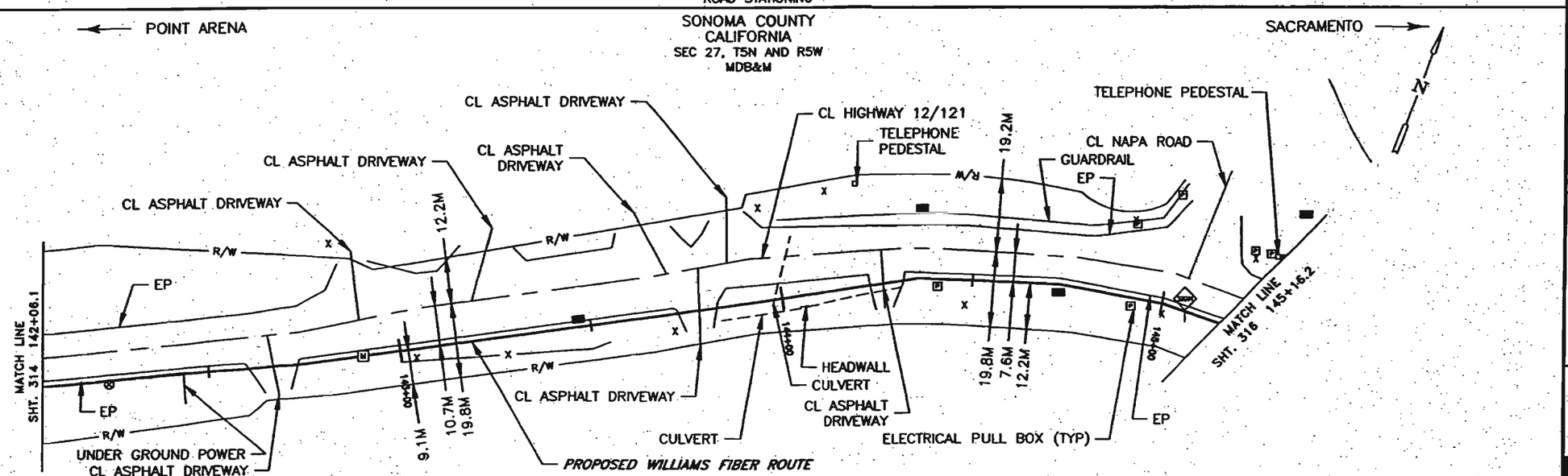
REV-0

OWNERSHIP

SONOMA COUNTY

142+43.1 UG POWER LINE
142+60.3 EDGE OF PAVEMENT
142+67.1 CL OF DRIVEWAY
142+73.8 EDGE OF PAVEMENT
142+80.8 PLACE MANHOLE
143+03.8 POWER POLE 2.3M RT
143+46.8 WATER INLET 2.0M LT
143+71.4 POWER POLE 4.5M RT
143+72.8 EDGE OF PAVEMENT
143+78.6 CL OF DRIVEWAY
143+83.1 EDGE OF PAVEMENT
143+98.0 CULVERT
144+23.9 EDGE OF PAVEMENT
144+28.8 CL OF DRIVEWAY
144+32.1 EDGE OF PAVEMENT
144+41.8 PULL BOX 1.9M RT
144+48.5 POWER POLE 0.6M RT
144+72.3 WATER INLET 2.1M RT
144+82.1 PULL BOX 2.2M RT
145+00.5 TRAFFIC SIGNAL 2.7M RT
145+07.5 ROAD SIGN 2.8M RT

ROAD STATIONING



142+06.1 | 145+16.2

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 N/A

310.1M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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
Repeater Site
P.O.P./Int.
Handhole Splice
Handhole
Manhole Splice
Manhole
SS Manhole
Power Poles
Water Valve / Meter
Gas Valve / Meter
Signal Poles
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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/94

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MTW	DATE : 09/06/00
CHECKED BY : KSH	DATE : 09/06/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4675 LOC. CODE : 000000	
HORIZONTAL SCALE (PLAN & PROF) : 1:38.5	
VERTICAL SCALE (PLAN) : 1:38.5	
VERTICAL SCALE (PROF) : 1:38.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-315-SPRD 5

REV-0

OWNERSHIP

SONOMA COUNTY

145+22.3 TRAFFIC SIGNAL 1.5M RT
145+37.2 PULL BOX 1.5M RT
145+37.2 PUMP POLE 1.5M RT
145+37.2 PULL BOX 1.5M RT
145+38.5 PULL BOX 1.5M RT

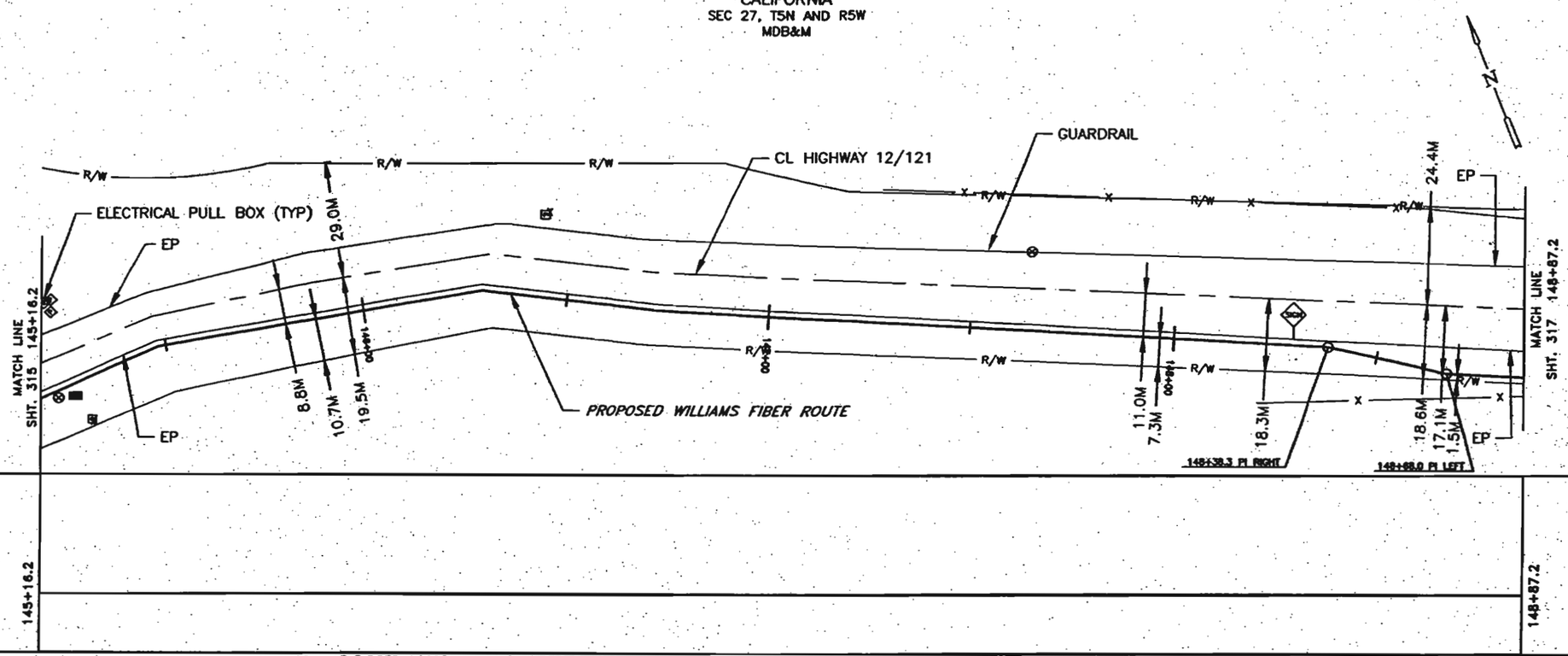
148+29.4 ROAD SIGN 1.5M LT.
148+38.3 R/L CHANGE
148+88.0 R/L CHANGE

ROAD STATIONING

POINT ARENA ←

SONOMA COUNTY
CALIFORNIA
SEC 27, T5N AND R5W
MDB&M

→ SACRAMENTO



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
371.0M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

REV-0

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 Walk Line
- Region Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Handhole 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
MANEUVER & TYPE (CONE/SNOWDUN/COLOR)	PIPE & MANEUVER PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE USE PLACE
FUTURE-3	
FUTURE-4	

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : MTW		DATE : 08/06/08
CHECKED BY : KHB		DATE : 08/06/08
APPROVED BY :		DATE :
APPROVED BY :		DATE :
APE : 4878	LOC. CODE : 000004	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5		
VERTICAL SCALE (DWG) : 1:30.5		
VERTICAL SCALE (PROF) : 1:30.5		
MAP PROJECTION : MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-316-SPRD 5

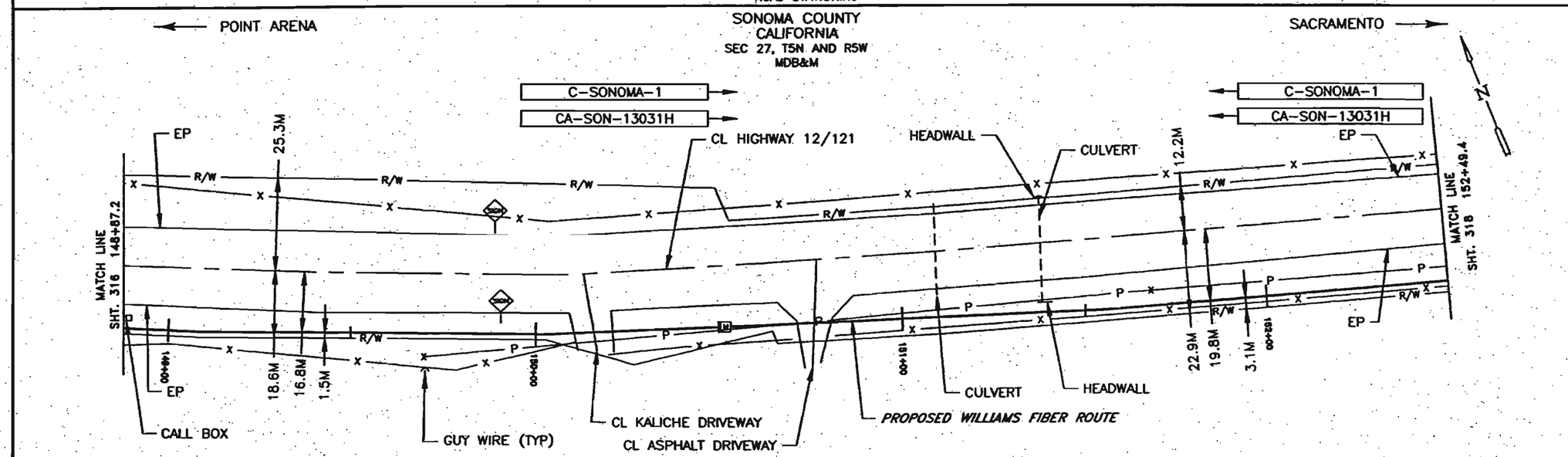
REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

OWNERSHIP

SONOMA COUNTY

148+70.1 POWER POLE 8.6M RT
148+70.5 GUY WIRE 10.7M RT
149+90.8 ROAD SIGN 3.0M LT
150+10.5 EDGE OF PAVEMENT
150+15.8 CL OF DRIVEWAY
150+20.7 EDGE OF PAVEMENT
150+51.9 PLACE MANHOLE
150+71.4 EDGE OF PAVEMENT
150+75.9 CL OF DRIVEWAY
150+80.2 EDGE OF PAVEMENT
151+09.0 CULVERT 2.4M LT
151+38.4 CULVERT 3.4M LT
151+68.2 POWER POLE 4.2M LT

ROAD STATIONING



148+87.2 — 152+49.4

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
362.2M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

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
Pagers Site
P.O.P./Jct.
Handhole Splice
Handhole
Manhole Splice
Manhole
SS Manhole
Power Pole
Water Valve / Meter
Gas Valve / Meter
Signal Pole
Fire Hydrant
Gas Marker
Oil Marker
Fiber Marker
Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER
1-800-582-9089

CAUTION

WILLIAMS LOCATE # FOR
COUNTY, STATE
1-888-265-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MTW	DATE : 08/05/03
CHECKED BY : KSH	DATE : 08/06/03
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875	LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROF) : 1:38.5	
VERTICAL SCALE (DWG) : 1:38.5	
VERTICAL SCALE (PROF) : 1:38.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-317-SPRD 5

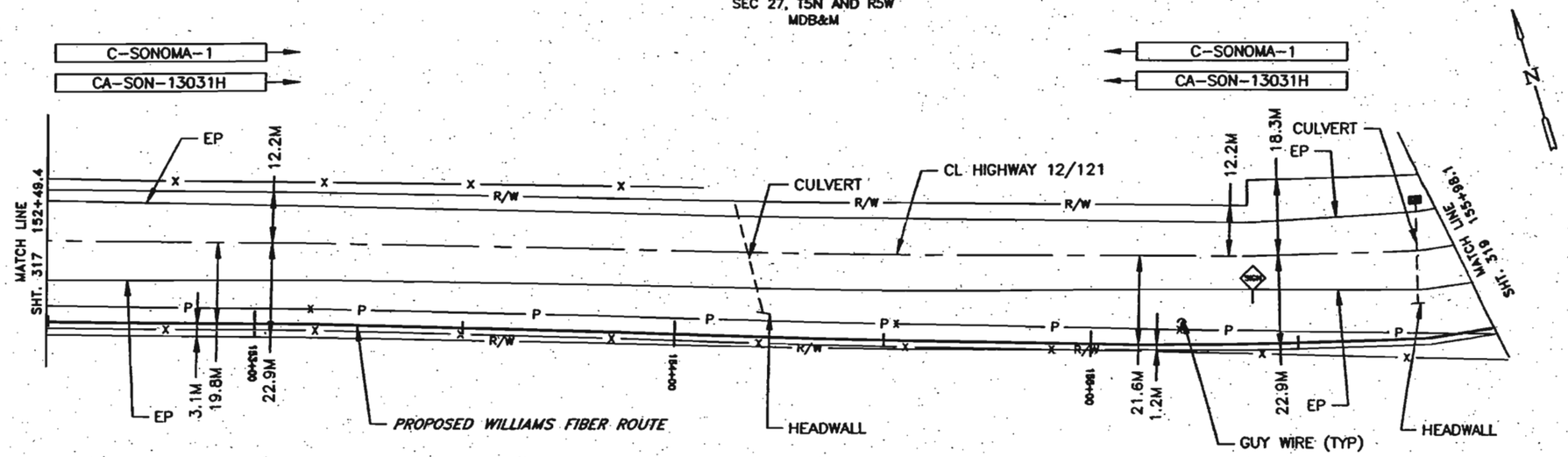
REV-0

OWNERSHIP | SONOMA COUNTY

153+13.1 POWER POLE 3.7M LT
154+22.7 CULVERT 6.1M LT
154+53.0 POWER POLE 4.0M LT
155+21.4 POWER POLE 3.6M LT
155+21.0 GUY WIRE 5.4M LT
155+38.3 ROAD SIGN 0.9M LT
155+79.0 CULVERT 6.6M LT

ROAD STATIONING

POINT ARENA ← | SONOMA COUNTY CALIFORNIA SEC 27, T5N AND R5W MDB&M | → SACRAMENTO



152+49.4 | 155+98.1

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

348.7M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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
- PL Prop 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
1-888-263-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

CABLE DESCRIPTION
- CABLE FIBER COUNT MFR. TYPE OF GLASS
- CABLE REEL NO.
- SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & INNERDUCT PLACEMENT
- INNERDUCT & TYPE (CORR/SMOOTH/COLOR)
- STEEL PIPE SIZE
- PVC

FUTURE WIRE PLACE
- FUTURE-2
- FUTURE-3
- FUTURE-4

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY :	KSH	DATE : 08/04/03
CHECKED BY :	KSH	DATE : 08/04/03
APPROVED BY :		DATE :
APPROVED BY :		DATE :
AFE : 4875	LOC. CODE : 004604	
HORIZONTAL SCALE (DWG & PROF) : 1:20.5		
VERTICAL SCALE (DWG) : 1:20.5		
VERTICAL SCALE (PROF) : 1:20.5		
MAP PROJECTION : MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-318-SPRD 5

REGISTERED PROFESSIONAL ENGINEER
TERRY W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

OWNERSHIP | NAPA COUNTY

154+31.8 POWER POLE 7.1M RT
154+32.8 GUY WIRE 6.7M RT

154+83.2 POWER POLE 8.1M RT
154+83.7 GUY WIRE 7.9M RT

157+86.6 POWER POLE 0.9M RT

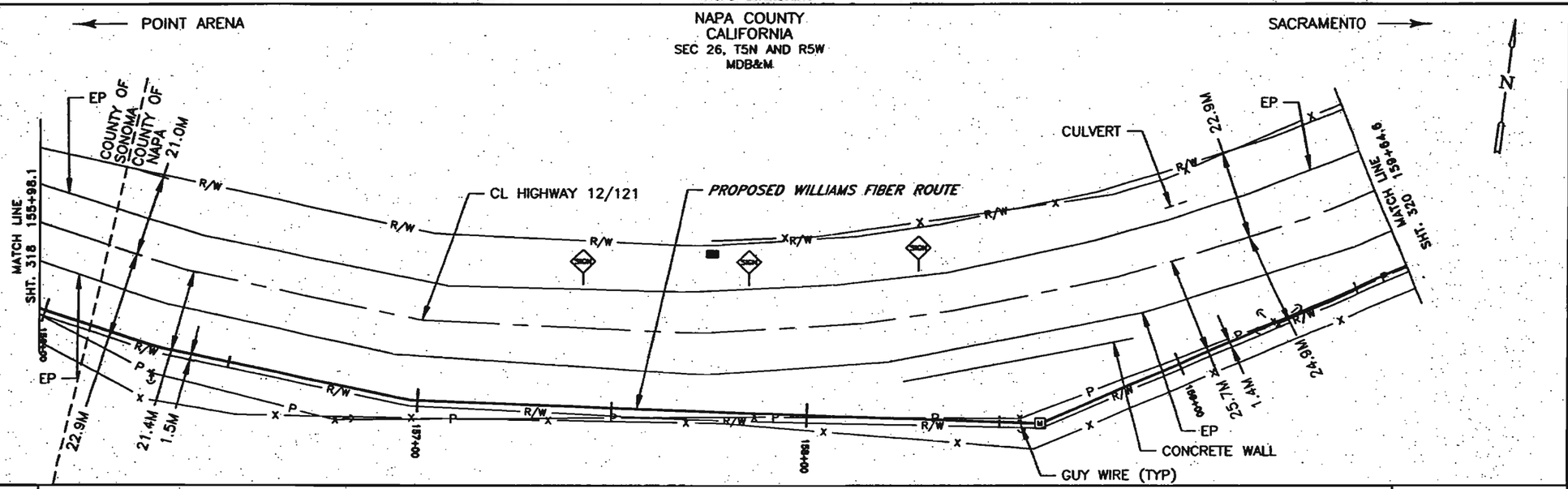
158+68.1 POWER POLE 1.1M LT
158+68.6 GUY WIRE 1.1M LT
158+69.6 PULL MANHOLE

159+22.8 GUY WIRE
159+23.9 GUY WIRE 4.0M LT
159+28.9 POWER POLE 0.4M LT

159+31.2 POWER POLE 0.6M RT
159+34.2 GUY WIRE 1.0M LT

ROAD STATIONING

NAPA COUNTY
CALIFORNIA
SEC 26, T5N AND R5W
MDB&M



155+98.1 | 159+64.6

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
366.5M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

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

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER
1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR
COUNTY, STATE
1–888–263–2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : ALJ	DATE : 08/06/03
CHECKED BY : KSH	DATE : 08/06/03
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4878	LOC. CODE : 000001
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR–SACR–319–SPRD 5

REV–0

OWNERSHIP

NAPA COUNTY

160+60.0 POWER POLE 0.2M LT

181+07.8 BEGIN DIRECTIONAL DRILL
181+12.0 END OF ALIGNMENT
181+13.0 BEGIN DIRECTIONAL DRILL
181+13.0 END OF ALIGNMENT
181+18.0 ROAD SIGN 3.0M LT

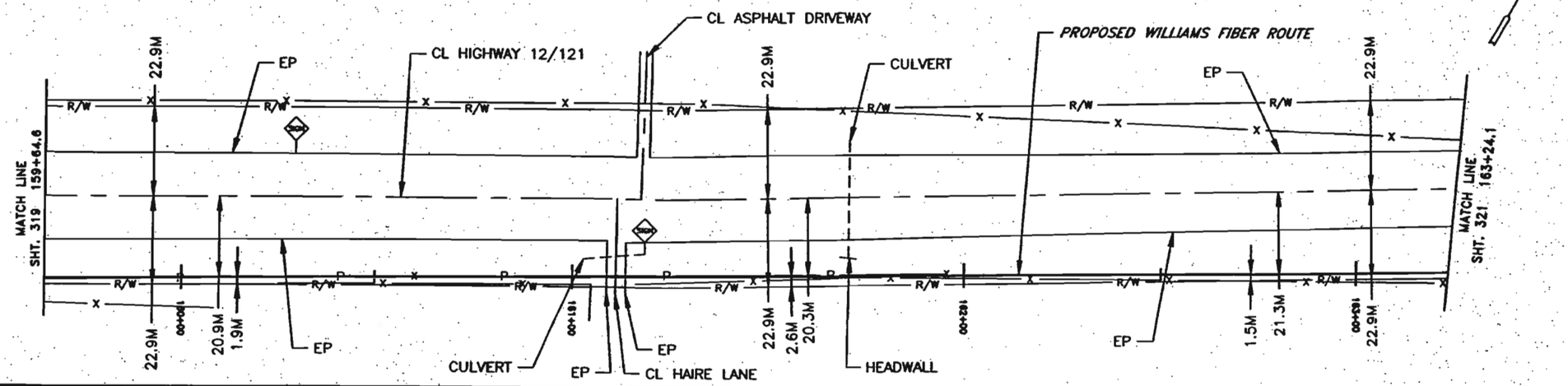
161+85.5 POWER POLE 0.5M LT

ROAD STATIONING

POINT ARENA

NAPA COUNTY
CALIFORNIA
SEC 26, T5N AND R5W
MDB&M

SACRAMENTO



159+64.6

163+24.1

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
359.5M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Non 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 Feg Line and/or White Line
- Regen Site
- P.O.P./Int.
- Manhole Splice
- Manhole
- 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
1-888-283-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

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 USE PLACE
FUTURE-3	
FUTURE-4	

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : ALI	DATE : 00/00/00
CHECKED BY : KHB	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000000	
HORIZONTAL SCALE (DWG & PRINT) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PRINT) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-320-SPRD 5

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

OWNERSHIP

NAPA COUNTY

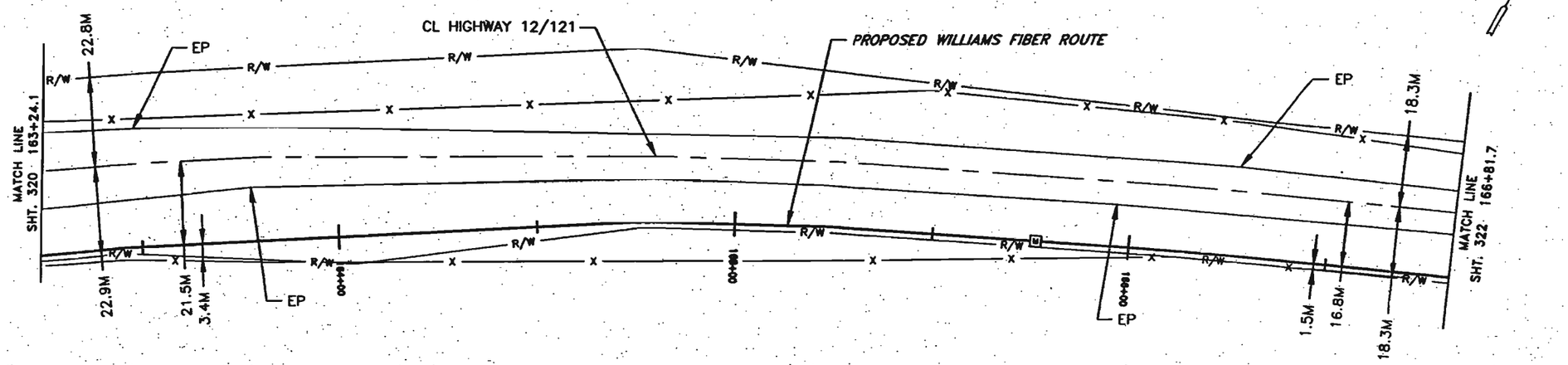
165+76.4 PLACE MANHOLE

ROAD STATIONING

POINT ARENA ← | → SACRAMENTO

NAPA COUNTY
CALIFORNIA
SEC 26, T5N AND R5W
MDB&M

D-NAPA-A



163+24.1

166+81.7

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
357.6M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Non 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./Int.
- 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

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

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : ALI		DATE : 00/00/00
CHECKED BY : KSH		DATE : 00/00/00
APPROVED BY :		DATE :
APPROVED BY :		DATE :
AFE : 4575	LOC. CODE : 000000	
HORIZONTAL SCALE (DWG & PROF) : 1:20.5		
VERTICAL SCALE (DWG) : 1:20.5		
VERTICAL SCALE (PROF) : 1:20.5		
MAP PROJECTION : MAP-PROJECTION		
DRAWING NUMBER : PTAR-SACR-321-SPRD 5		

OWNERSHIP

NAPA COUNTY

167+28.4 POWER POLE 3.8M RT

168+37.0 POWER POLE 7.6M LT

169+23.6 POWER POLE 8.3M LT

170+10.3 POWER POLE 7.6M LT

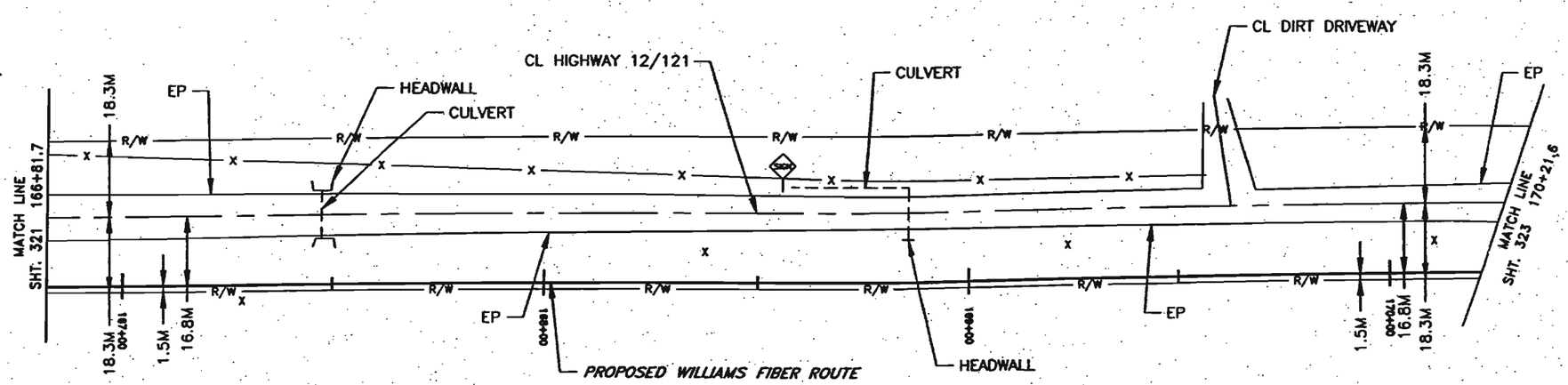
ROAD STATIONING

POINT ARENA ← → SACRAMENTO

NAPA COUNTY
CALIFORNIA
SEC 25, T5N AND R5W
MDB&M

C-NAPA-3 →

N



166+81.7

170+21.6

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

339.9M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

LEGEND

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

CABLE FIBER COUNT MFR. TYPE OF GLASS		CABLE DESCRIPTION
CABLE REEL NO.		
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH		
DUCT/CONDUIT & TYPE (CONR/INDOOR/COLOR)		PIPE & DUCT/CONDUIT PLACEMENT
STEEL PIPE SIZE		
PVC		
FUTURE-2		FUTURE USE PLACE
FUTURE-3		
FUTURE-4		

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/14
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY :	ALI	DATE :	08/05/09
CHECKED BY :	KSH	DATE :	08/05/09
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4875	LOC. CODE :	000001
HORIZONTAL SCALE (DWG & PROF) :	1:20.5		
VERTICAL SCALE (DWG) :	1:20.5		
VERTICAL SCALE (PROF) :	1:20.5		
MAP PROJECTION :	MAP–PROJECTION		

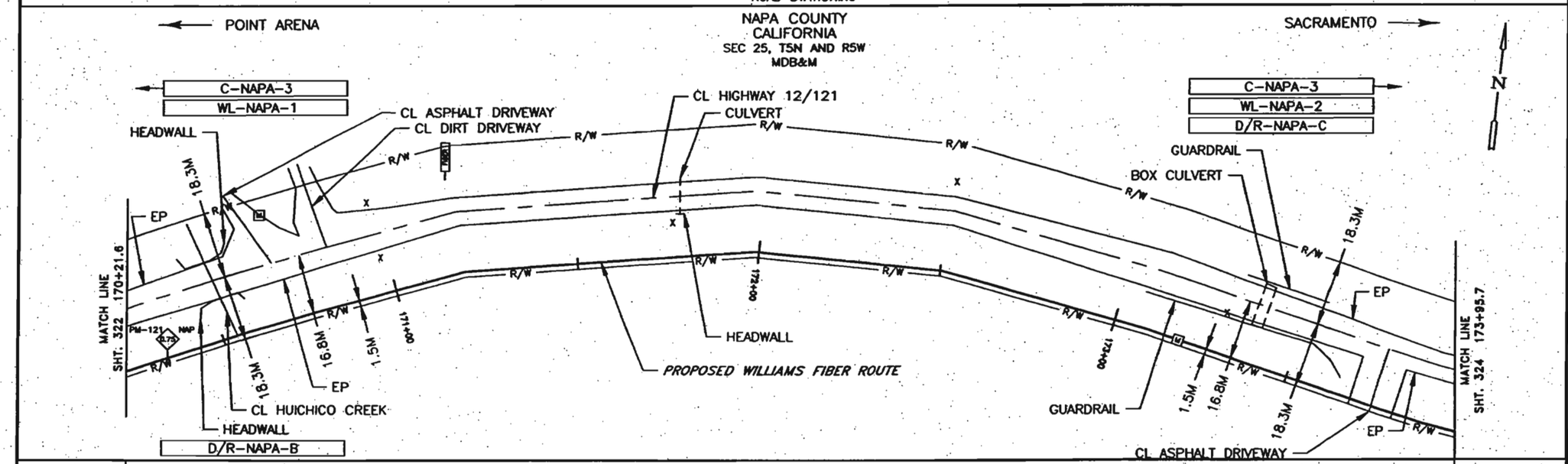
DRAWING NUMBER : PTAR–SACR–322–SPRD 5

REV–0

OWNERSHIP | NAPA COUNTY

170+83.9 CL OF CREEK
170+97.9 POWER POLE 10.0M LT
171+76.7 POWER POLE 9.8M LT
173+18.4 PLACE MANHOLE
173+28.7 POWER POLE 11.8M LT
173+43.2 BOX CULVERT 9.9M LT
173+60.4 BOX CULVERT 10.5M LT
173+68.4 EDGE OF PAVEMENT
173+74.8 CL OF DRIVEWAY
173+81.2 EDGE OF PAVEMENT

ROAD 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
374.1M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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.L.P. Galvanized Iron Pipe
- EP Edge of Pavement
- ES Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Act.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR
COUNTY, STATE
1-888-265-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

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 USE PLACE
FUTURE-3	
FUTURE-4	

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY :	AB	DATE :	09/06/00
CHECKED BY :	KHG	DATE :	09/06/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE :	4875	LOC. CODE :	000001
HORIZONTAL SCALE (DWG & PROF) :	1:20.5		
VERTICAL SCALE (DWG) :	1:20.5		
VERTICAL SCALE (PROF) :	1:20.5		
MAP PROJECTION :	MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-323-SPRD 5

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

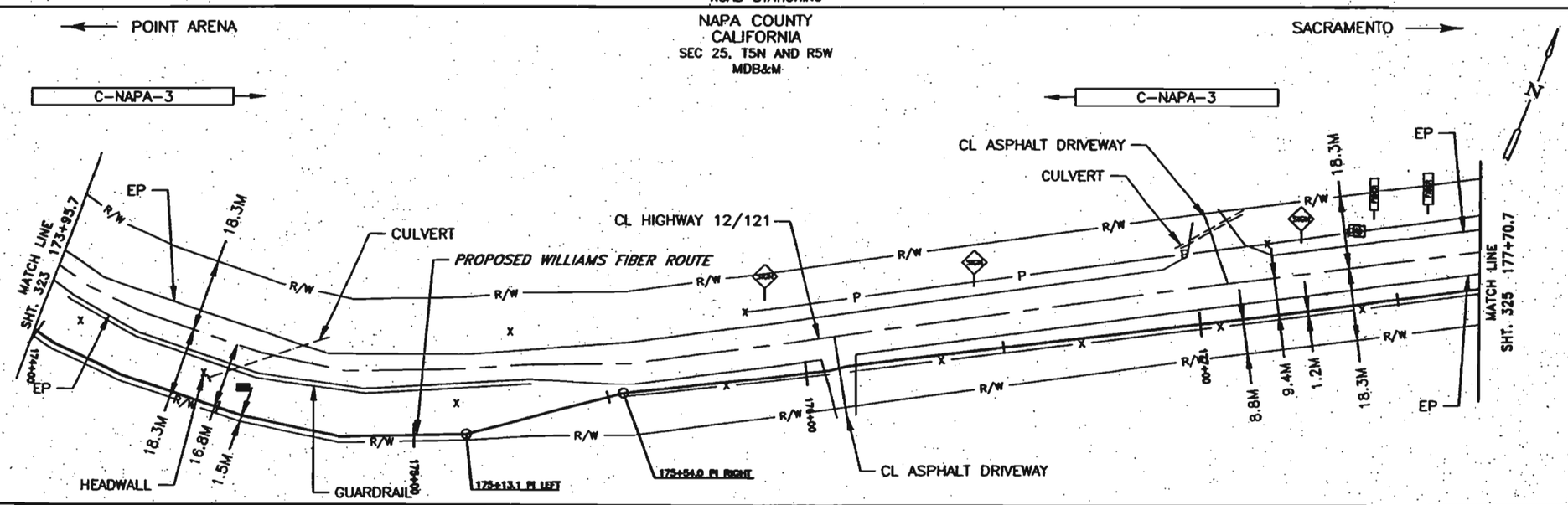
REV-0

OWNERSHIP | NAPA COUNTY

174+08.0 POWER POLE 8.0M LT
174+43.8 POWER POLE 7.3M LT
174+94.2 WATER INLET 7.0M LT
175+13.7 POWER POLE 8.0M LT
175+15.1 R/L CHANGE
175+54.0 R/L CHANGE
178+24.8 EDGE OF PAVEMENT
178+58.5 EC OF DRIVEWAY
178+12.8 EDGE OF PAVEMENT

ROAD STATIONING

NAPA COUNTY
CALIFORNIA
SEC 25, T5N AND R5W
MDB&M



173+95.7 | 177+70.7

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
375.0M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- 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 Grass
- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.O.P./Int.
- 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/1/04

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

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : AJJ	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000000	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-324-SPRD 5

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

OWNERSHIP

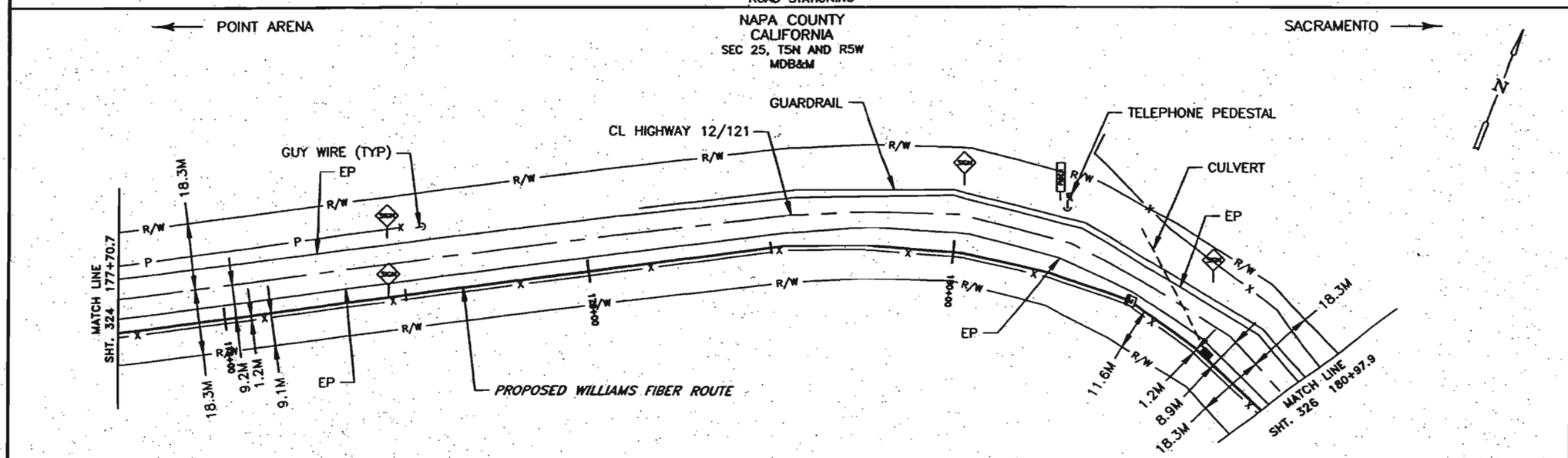
NAPA COUNTY

178+45.1 ROAD SIGN 0.3M LT

180+60.7 PLACE MANHOLE

180+76.0 WATER INLET 1.1M LT

ROAD STATIONING



177+70.7

180+97.9

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

327.2M – 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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.L.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Pigtail 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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/1

CABLE DESCRIPTION

CABLE FIBER COUNT MFR. TYPE OF GLASS

CABLE REEL NO.

SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

PIPE & MINIDUCT PLACEMENT

MINIDUCT & TYPE (CORR/SMOOTH/COLOR)

STEEL PIPE SIZE

PVC

FUTURE USE PLACE

FUTURE-2

FUTURE-3

FUTURE-4

REGISTERED PROFESSIONAL ENGINEER
KEVIN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY :	AJJ	DATE :	06/06/00
CHECKED BY :	KSH	DATE :	06/06/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
NTS :	4675	LOC. CODE :	000000
HORIZONTAL SCALE (PLAN & PROF) :	1:20.0		
VERTICAL SCALE (PLAN) :	1:20.0		
VERTICAL SCALE (PROF) :	1:20.0		
MAP PROJECTION :	MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-325-SPRD 5

REV-0

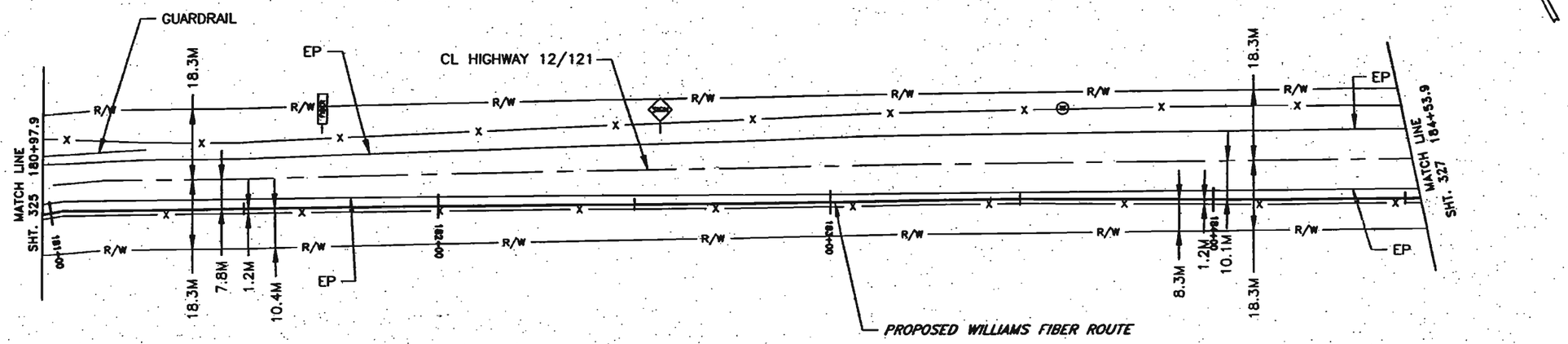
OWNERSHIP

NAPA COUNTY

ROAD STATIONING

POINT ARENA ← → SACRAMENTO

NAPA COUNTY
CALIFORNIA
SEC 25, T5N AND R5W
MDB&M



180+97.9 | 184+53.9

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
356.0M – 1-38M ID HDPE, 1-38M ID HDPE (SPARE), 1-32M ID HDPE (SPARE)

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRIS
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-265-2283

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KBH	01/14

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : AEJ	DATE : 08/08/03
CHECKED BY : KBH	DATE : 08/08/03
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4676 LOC. CODE : 000001	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-326-SPRD 5

REV-0

OWNERSHIP

NAPA COUNTY

188+17.8 CULVERT
188+18.8 CULVERT

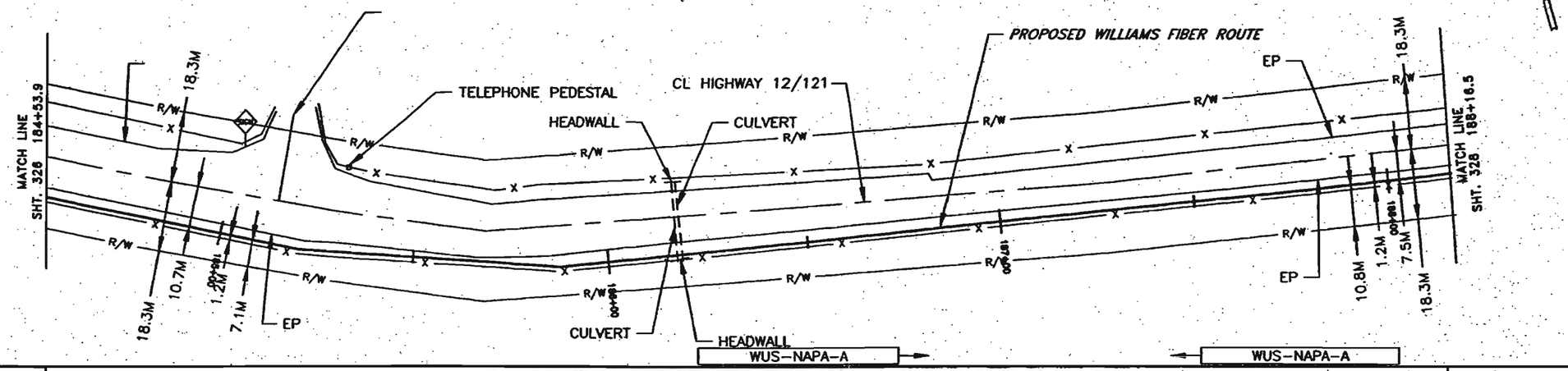
ROAD STATIONING

POINT ARENA ←

NAPA COUNTY
CALIFORNIA
SEC 30, T5N AND R4W
MDB&M

D–NAPA–D

→ SACRAMENTO



184+53.9

188+16.5

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
362.6M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

REV–0

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
- Oil Pipeline
- Gas Pipeline
- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line end/or White Line
- 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/14

CABLE FIBER CORE 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 USE PLACE
FUTURE–3	
FUTURE–4	

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

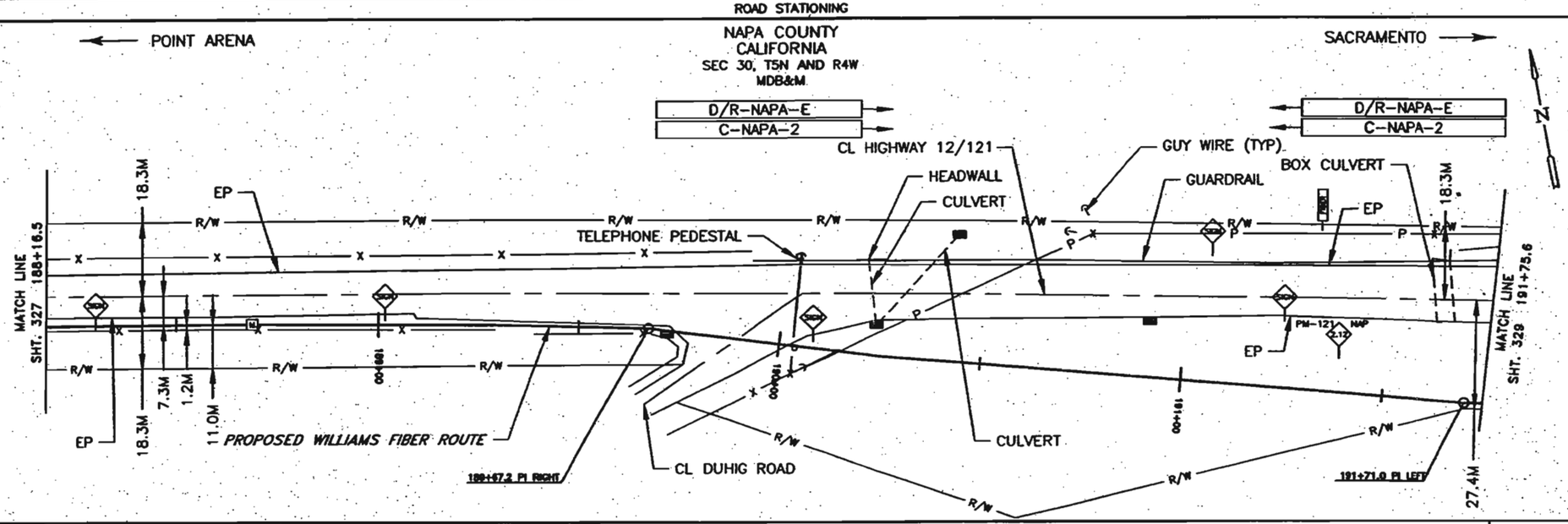
DRAWN BY : AJJ	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : .4075 LOC. CODE : 000000	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP–PROJECTION	
DRAWING NUMBER : PTAR–SACR–327–SPRD 5	

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

OWNERSHIP | NAPA COUNTY

188+28.4 ROAD SIGN 0.5M RT
188+68.1 PLACE MANHOLE
189+01.6 ROAD SIGN 1.0M LT
189+67.2 P.I. CHANGE
189+69.3 CL OF ROAD
190+00.3 GUY WIRE 8.5M RT
190+01.1 EDGE OF PAVEMENT
190+01.8 END DIRECTIONAL DRILL
190+02.0 BEGIN DIRECTIONAL DRILL
190+02.0 GUY WIRE 8.5M RT
190+07.8 ROAD SIGN 1.6M LT
190+23.3 WATER INLET 7.6M LT
190+90.9 WATER INLET 14.6M LT
191+71.0 P.I. CHANGE

ROAD STATIONING



188+16.5 | 191+75.6

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
359.1M - 1-38mm ID HDPE, 1-38mm ID HDPE (SPARE), 1-32mm ID HDPE (SPARE)

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

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
PL 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	11/14

REGISTERED PROFESSIONAL ENGINEER
JOHN W. HARRISON
No. 37661
EXP. 12/31/04
CIVIL
STATE OF CALIFORNIA

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO
CABLE ROUTE

DRAWN BY : ALI		DATE : 08/04/00
CHECKED BY : KSH		DATE : 08/04/00
APPROVED BY :		DATE :
APPROVED BY :		DATE :
APE : 4878	LOC. CODE : 000001	
HORIZONTAL SCALE (PROF) : 1:30.5		
VERTICAL SCALE (PROF) : 1:30.5		
MAP PROJECTION : MAP-PROJECTION		

DRAWING NUMBER : PTAR-SACR-328-SPRD 5

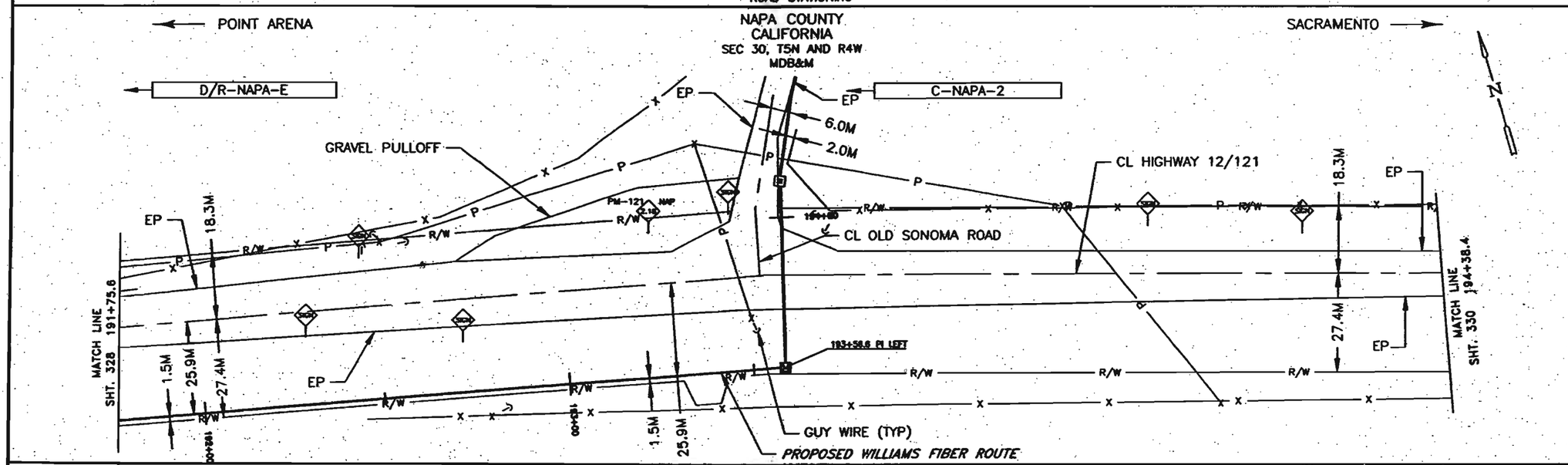
REV-0

OWNERSHIP

NAPA COUNTY

192+72.0 ROAD SIGN 14.0M LT
192+78.2 POWER POLE 7.3M RT
192+82.9 GUY WIRE 5.2M RT
193+30.3 POWER POLE 14.4M LT
193+31.3 GUY WIRE 11.2M LT
193+38.8 PLACE MANHOLE
193+38.8 R/C CHANGE
193+74.5 BEGIN OPEN TRENCH DRILL
193+84.2 CL OF ROAD
193+88.0 GUY WIRE 11.8M RT
193+88.0 BORE PROTECTION PIPE
193+89.7 POWER POLE 13.3M RT
193+90.3 GUY WIRE 9.0M LT
193+91.3 ROAD SIGN 7.3M LT
194+06.8 PLACE MANHOLE

ROAD STATIONING



191+75.6 — 194+38.4

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

262.8M – 1–38mm ID HDPE, 1–38mm ID HDPE (SPARE), 1–32mm ID HDPE (SPARE)

22.8M – 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
PL Prop 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

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

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
0	PERMIT	KSH	01/04

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 USE PLACE
FUTURE-3	
FUTURE-4	

WILLIAMS COMMUNICATIONS GROUP Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : AJJ	DATE : 00/00/00
CHECKED BY : KSH	DATE : 00/00/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4875 LOC. CODE : 000000	
HORIZONTAL SCALE (DWG & PROF) : 1:30.5	
VERTICAL SCALE (DWG) : 1:30.5	
VERTICAL SCALE (PROF) : 1:30.5	
MAP PROJECTION : MAP-PROJECTION	

DRAWING NUMBER : PTAR-SACR-329-SPRD 5

REGISTERED PROFESSIONAL ENGINEER
TODD W. HARRISON
No. 37661
EXP 12/31/04
CIVIL
STATE OF CALIFORNIA

REV-0

OWNERSHIP: CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

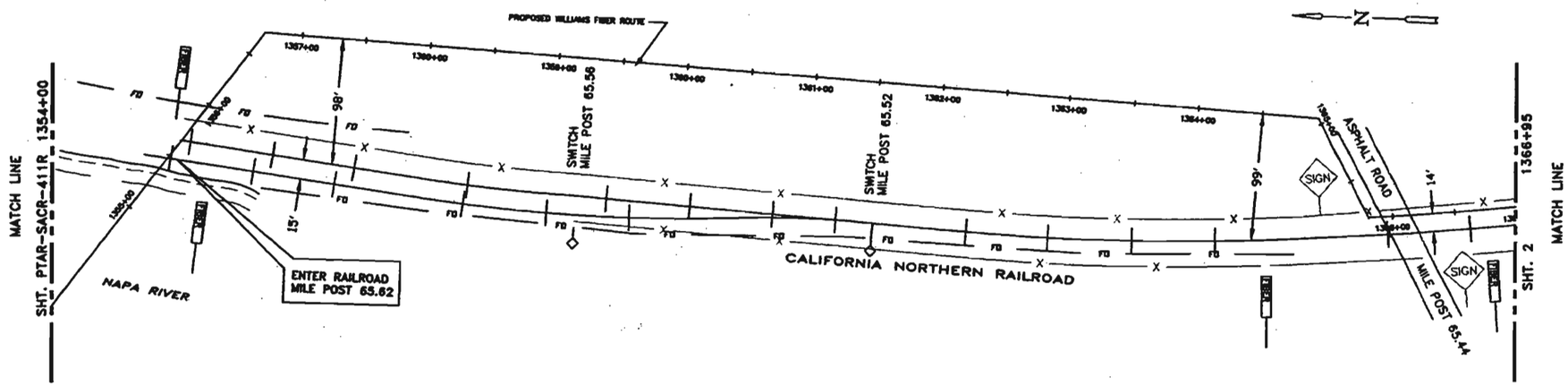
1355+57 42' RT. FIBER MARKER
1355+74 72' RT. FIBER OPTIC
1355+78 8' LT. FIBER MARKER
1358+22 87' RT. FENCE COR.
1365+54 52' RT. FENCE COR.
1365+73 53' RT. BRIDGE
1365+73 86' RT. FIBER MARKER
1365+80 65' RT. FIBER OPTIC
1365+88 SIGN
1365+82 24' RT. FIBER OPTIC
1366+33 32' RT. SIGN
1366+40 33' RT. FENCE COR.
1366+40 32' RT. FIBER MARKER
1366+72 24' RT. FIBER OPTIC

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1354+00 | 1366+95

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & CBL LENGTH	
DIMENSIONS & TYPE (CORE/SMOOTH/COLOR)	PIPE & DIMENSIONS PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE USE PLACE
FUTURE-3	
FUTURE-4	

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- 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 Flag Line and/or White Line
- Region Site
- P.O.P./Jct.
- Handhole Spline
- Handhole
- Handhole Spline
- Handhole
- SS Handhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APC : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 1

OWNERSHIP | CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

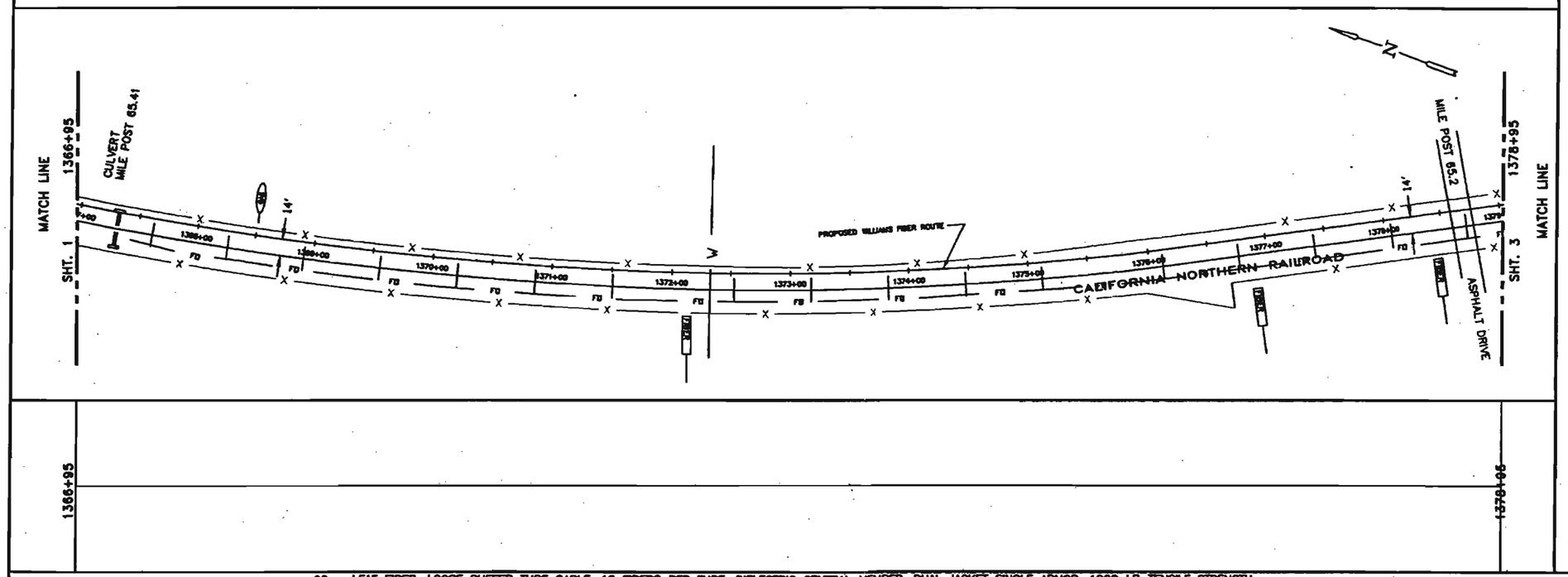
1367+10 25' RT. FIBER OPTIC
1367+28 2' LT. HEADWALL
1367+28 26' RT. HEADWALL
1367+37 1' LT. HEADWALL
1367+37 25' RT. HEADWALL
1367+45 21' RT. FIBER OPTIC
1367+64 24' RT. FIBER OPTIC
1368+30 23' RT. FIBER OPTIC
1368+49 7' LT. GAS MARKER
1368+85 23' RT. FIBER OPTIC
1369+42 24' RT. FIBER OPTIC
1370+06 24' RT. FIBER OPTIC
1370+83 24' RT. FIBER OPTIC
1370+84 24' RT. FIBER OPTIC
1371+63 24' RT. FIBER OPTIC
1372+11 37' RT. FIBER MARKER
1372+32 2' RT. WATER LINE
1372+32 30' RT. WATER LINE
1372+40 23' RT. FIBER OPTIC
1373+07 23' RT. FIBER OPTIC
1374+11 23' RT. FIBER OPTIC
1375+15 23' RT. FIBER OPTIC
1375+79 24' RT. FIBER OPTIC
1376+56 9' LT. FENCE COR.
1376+47 58' RT. FENCE COR.
1376+86 34' RT. FIBER MARKER
1376+86 25' RT. FIBER OPTIC
1378+44 33' RT. FIBER MARKER
1378+58 24' RT. FIBER OPTIC

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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
PL Prop Line and/or Walks Line
Region Site
P.O.P./Int.
Handhole Splice
Handhole
Manhole Splice
Manhole
RR Manhole
Power Pole
Water Valve / Meter
Gas Valve / Meter
Signal Pole
Fire Hydrant
Gas Marker
Oil Marker
Fiber Marker
Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

CABLE FIBER COUNT MFR. TYPE OF GLASS		CABLE DESCRIPTION
CABLE REEL NO.		
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH		
DIMENSION & TYPE (CONN/DIAMETER/COLOR)		PIPE & DIMENSION PLACEMENT
STEEL PIPE SIZE		
PVC		
FUTURE-2		FUTURE USE PLACE
FUTURE-3		
FUTURE-4		

COMMUNICATIONS GROUP
Mahesh Sankaran

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NNC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877 LOC. CODE :	
HORIZONTAL SCALE (INFO & PROF) : 1"=100'	
VERTICAL SCALE (INFO) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 2

OWNERSHIP: CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

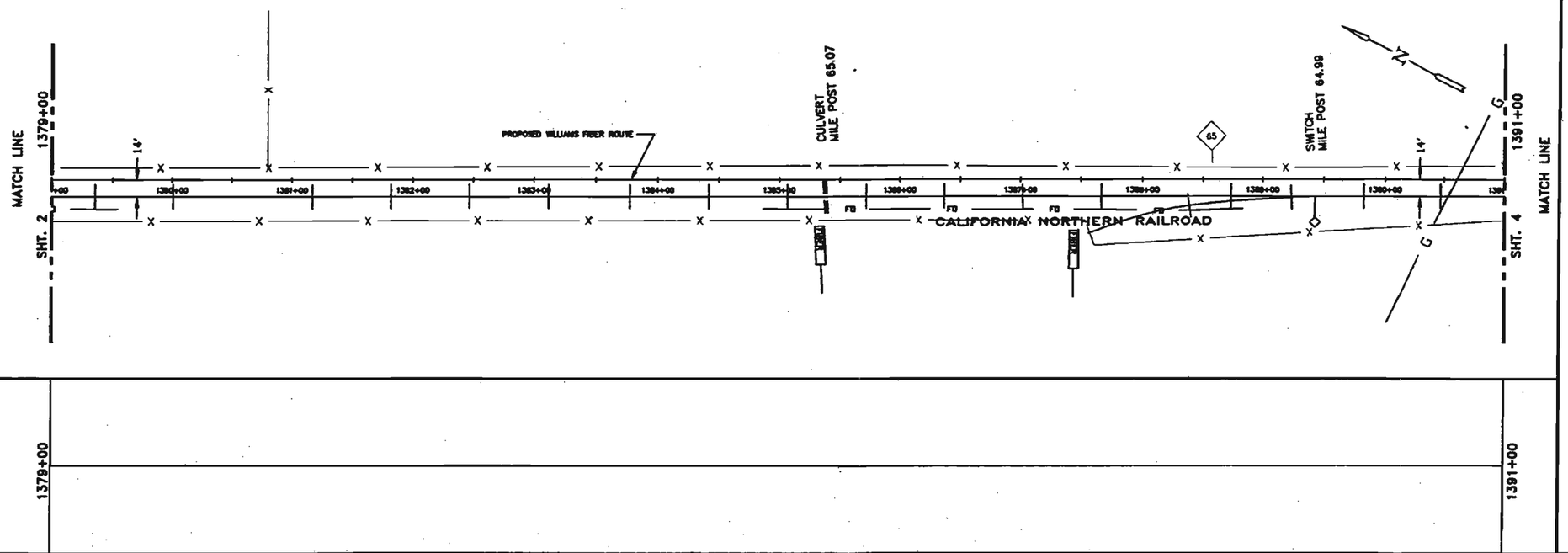
1379+54 24' RT. FIBER OPTIC
1384+66 24' RT. FIBER OPTIC
1385+30 33' RT. FIBER MARKER
1385+37 1' RT. CULVERT
1385+39 27' RT. CULVERT
1387+52 32' RT. FIBER MARKER
1387+53 33' RT. FENCE COR.
1387+61 34' RT. FENCE COR.
1387+66 24' RT. FIBER OPTIC
1387+66 47' RT. SIGN
1388+16 26' RT. FIBER OPTIC
1388+47 16' RT. FROG
1388+63 24' RT. FIBER OPTIC
1390+53 14' RT. GAS JOINT

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/28/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROP) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROP) :	
MAP PROJECTION :	
DRAWING NUMBER : SHEET – 3	

OWNERSHIP | CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

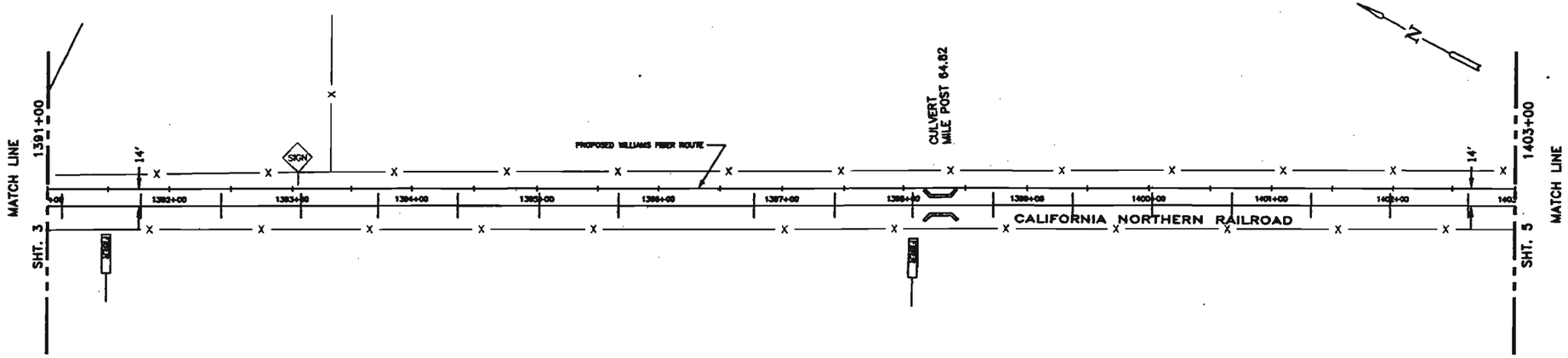
1391+47 .32' RT. FIBER MARKER
1393+03 1' RT. SIGN
1393+31 13' LT. FENCE COR.
1398+04 .31' RT. FIBER MARKER
1398+16 1' RT. HEADWALL
1398+21 6' RT. HEADWALL
1398+22 21' RT. HEADWALL
1398+30 6' RT. HEADWALL
1398+30 21' RT. HEADWALL

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1391+00 | 1403+00

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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

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
- PL Prop Line and/or White Line
- Region Site
- P.O.P./Int.
- 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
1-888-943-2255

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

1-800-227-2600

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NNC	DATE : 08/23/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PRINT) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PRINT) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET - 4

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1407+40 33' RT. FIBER MARKER
1407+41 33' RT. FENCE COR.
1407+48 6' RT. BRIDGE
1407+48 14' RT. HEADWALL
1407+48 21' RT. BRIDGE
1407+48 27' RT. HEADWALL

1408+28 24' RT. HEADWALL
1408+29 5' RT. BRIDGE
1408+29 21' RT. BRIDGE
1408+47 33' RT. FENCE COR.
1408+48 35' RT. FIBER MARKER

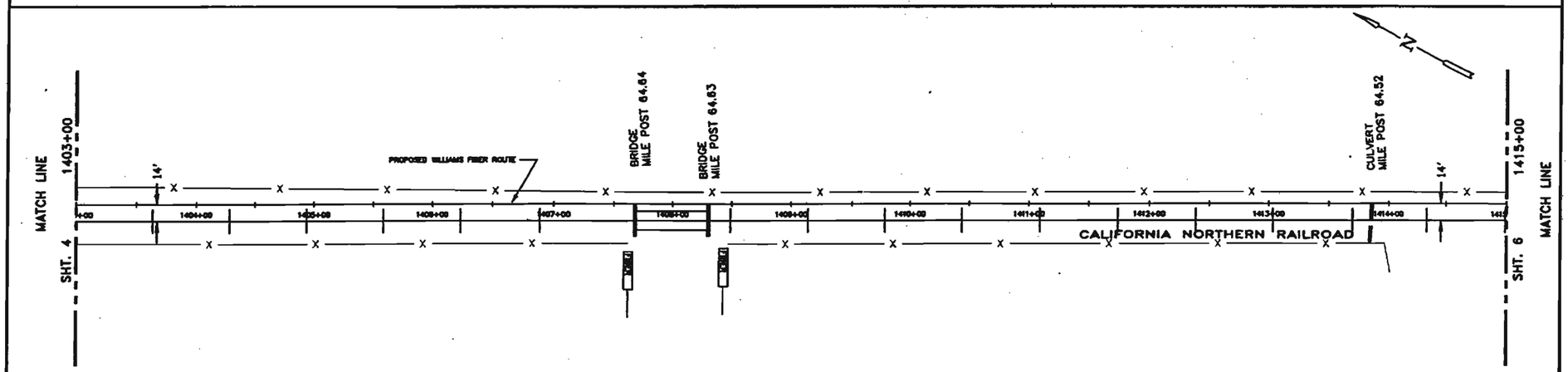
1413+43 32' RT. CULVERT
1413+85 CULVERT
1413+86 33' RT. FENCE COR.
1414+01 35' RT. FENCE COR.

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1403+00 — 1415+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
DIMENSIONS & TYPE (CONN/SMOOTH/COLOR)	PIPE & DIMENSIONS PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE–2	FUTURE USE PLACE
FUTURE–3	
FUTURE–4	

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.L.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- FL Fog Line and/or White Line
- Wagon Site
- P.O.P./Mt.
- Handhole Spline
- Handhole
- Manhole Spline
- Manhole
- 36 Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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1–800–227–2600

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : HHC	DATE : 08/25/00
CHECKED BY : MVW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 5

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

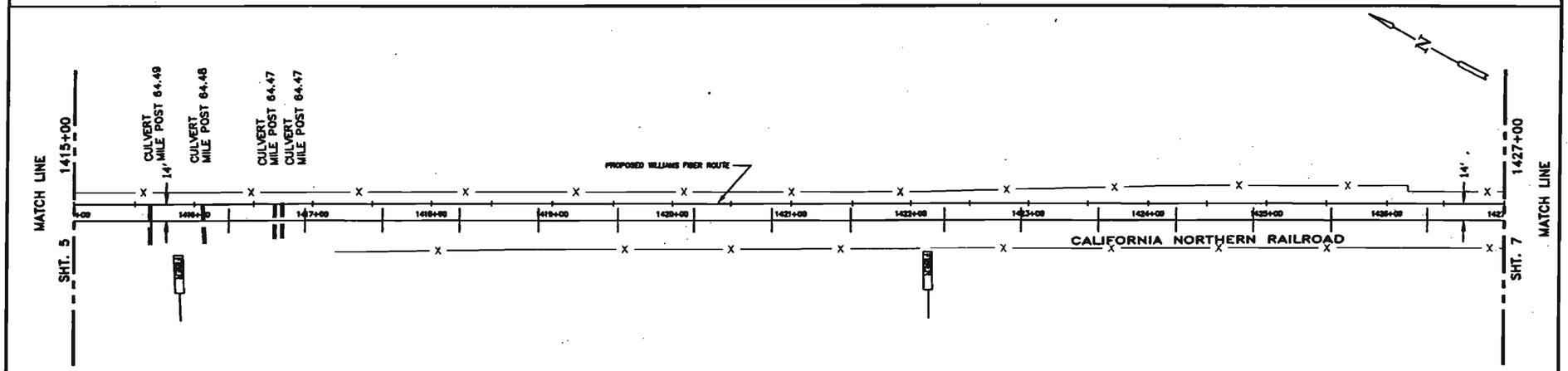
1415+62 CULVERT
1415+62 33' RT. CULVERT
1415+86 33' RT. FIBER MARKER
1416+08 CULVERT
1416+08 32' RT. CULVERT
1416+87 CULVERT
1416+88 29' RT. CULVERT
1416+74 CULVERT
1416+74 28' RT. CULVERT
1417+18 40' RT. FENCE COR.
1422+13 37' RT. FIBER MARKER
1428+17 15' LT. FENCE COR.
1428+18 10' LT. FENCE COR.

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1415+00 | 1427+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

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
- Fences
- 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
- 36 Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NMC	DATE : 06/23/00
CHECKED BY : MRW	DATE : 06/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PRINT) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PRINT) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 6

OWNERSHIP: CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1428+46 23' RT. FIBER OPTIC

1431+32 36' RT. FIBER MARKER
1431+41 23' RT. FIBER OPTIC

1433+52 23' RT. FIBER OPTIC

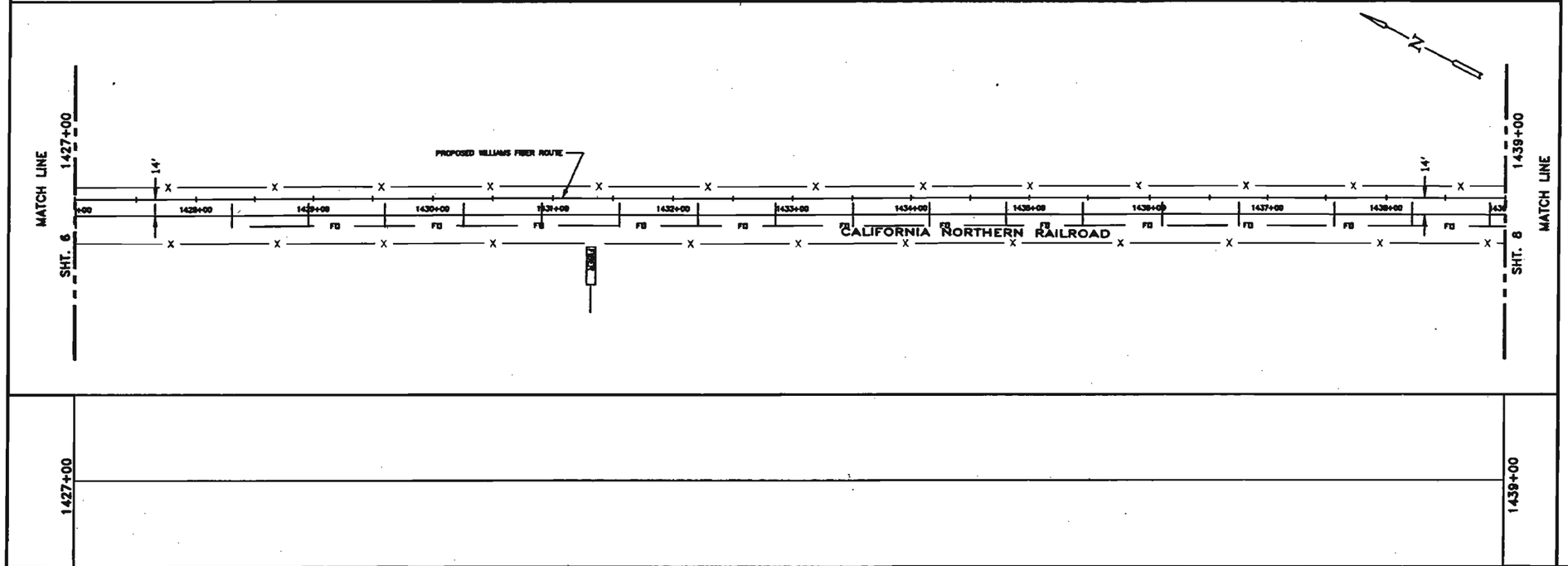
1437+47 23' RT. FIBER OPTIC

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

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

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Fiber Optic 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 end/or White Line
- Region Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- 35 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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COUNTY, STATE
1–888–945–2255

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1–800–227–2600

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=400'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 7

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

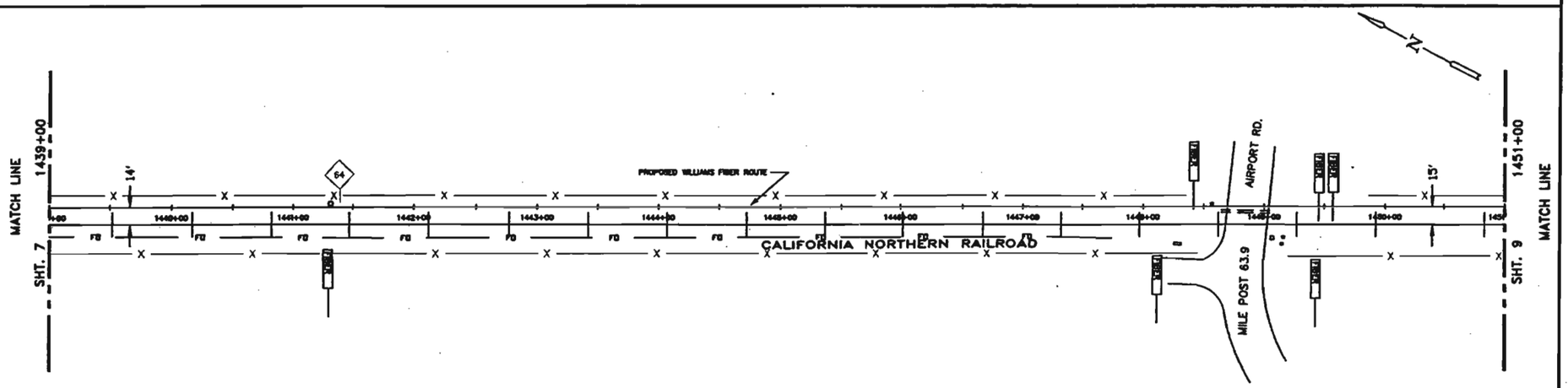
1438+84 24' RT. FIBER OPTIC
1441+30 38' RT. FIBER MARKER
1441+31 2' LT. MILE POST 64
1441+61 25' RT. FIBER OPTIC
1444+02 25' RT. FIBER OPTIC
1447+20 24' RT. FIBER OPTIC
1447+73 25' RT. FIBER OPTIC
1448+17 37' RT. FIBER MARKER
1448+28 39' RT. UTILITY BOX
1448+35 7' LT. FENCE COR.
1448+44 36' RT. FIBER MARKER
1448+56 2' LT. FENCE COR.
1448+64 3' RT. UTILITY BOX
1448+64 4' RT. CULVERT
1448+64 4' LT. SIGNAL
1449+04 4' RT. CULVERT
1449+04 4' RT. SIGNAL
1449+14 37' RT. ELEC. METER
1449+15 23' RT. UTILITY BOX
1449+19 41' RT. FENCE COR.
1449+43 1' LT. FIBER MARKER
1449+43 25' RT. FIBER MARKER
1449+47 3' LT. FIBER MARKER
1449+48 25' RT. FIBER MARKER
1449+56 6' LT. FENCE COR.

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1439+00 — 1451+00

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- 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 Flag Line and/or White Line
- Region Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- Sill 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

1-800-362-9069

CAUTION

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

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1-800-227-2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

CONSTRUCTION GROUP
Mohsen Sardoo

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : HHC	DATE : 08/25/09
CHECKED BY : MHW	DATE : 08/29/09
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & FIELD) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (FIELD) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET - 8

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1456+91 5' RT. CULVERT
1456+91 21' RT. CULVERT

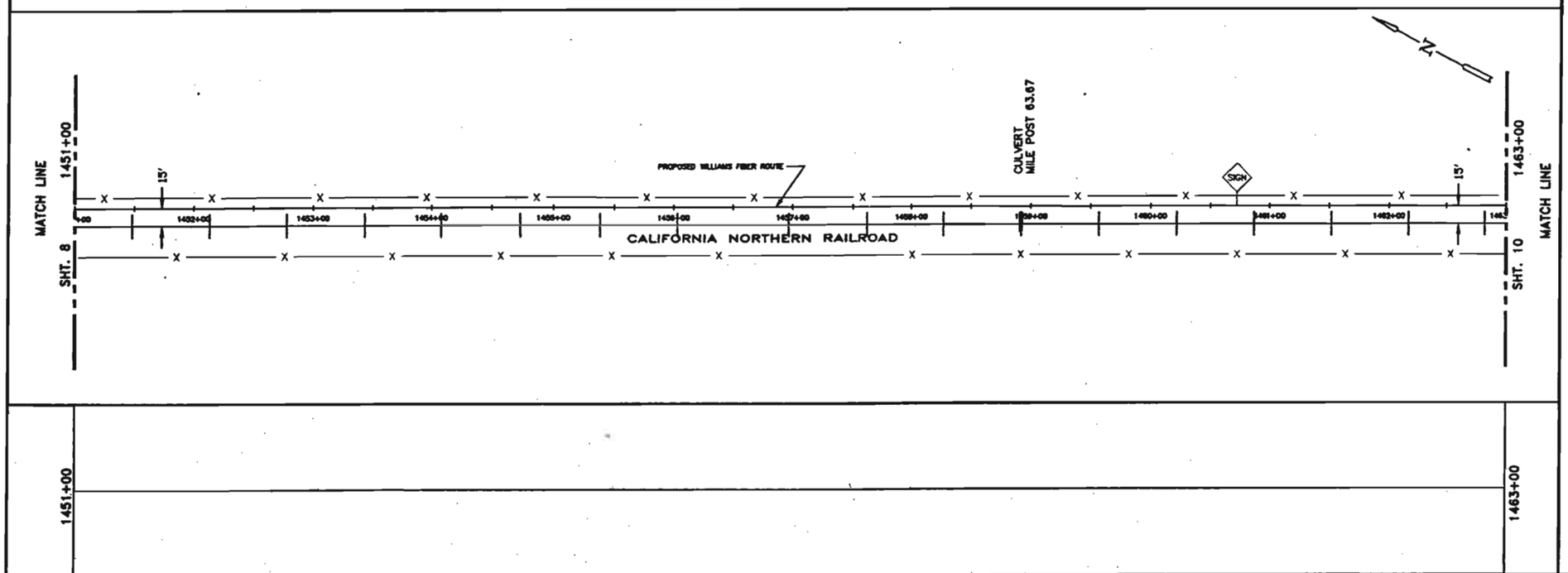
1460+71 3' RT. SIGN

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

CABLE FIBER COUNT MFG. TYPE OF GLASS

CABLE REEL NO.

SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH

CABLE DESCRIPTION

DUCT/DUCT & TYPE (CORR/SMOOTH/COLOR)

STEEL PIPE SIZE

PPC

PIPE & DUCT PLACEMENT

FUTURE-2

FUTURE-3

FUTURE-4

FUTURE DUCT PLACE

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
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- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.L.P. Black Iron Pipe
- G.L.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- PL Peg Line and/or Walk Line
- Region Site
- P.O.P./Jct.
- Handhole Spike
- Handhole
- Manhole Spike
- Manhole
- SS Manhole
- Power Pole
- Meter Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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1–800–227–2600

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

Communications Group
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NNC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 9

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1467+47 12' RT. FROG

1470+01 8' LT. FENCE COR.

1470+72 8' LT. FENCE COR.
1470+72 41' RT. FENCE COR.
1470+83 11' RT. BRIDGE
1470+84 19' RT. BRIDGE
1470+84 23' RT. HEADWALL

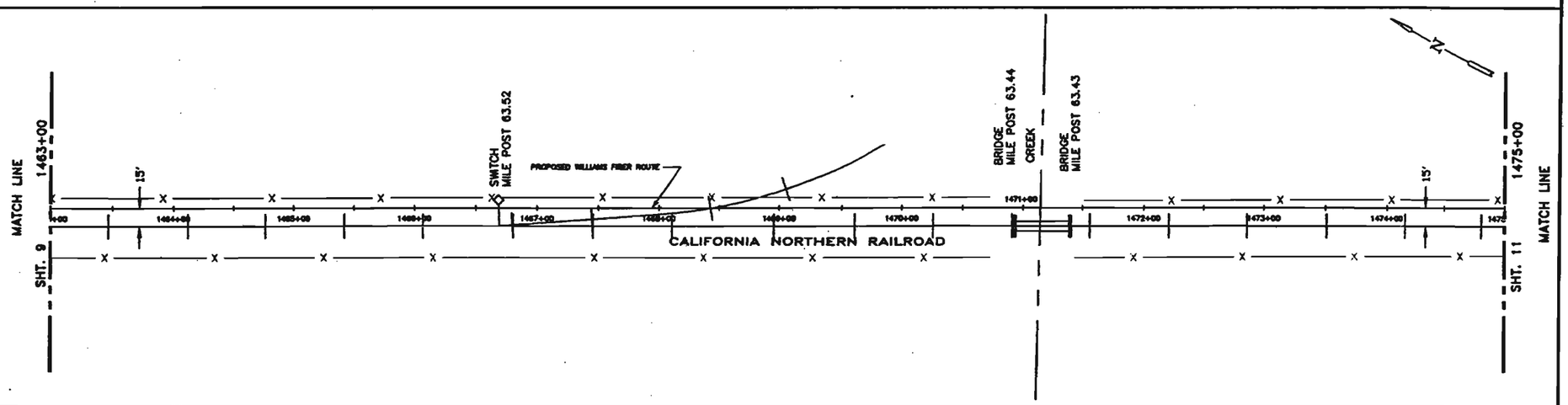
1471+38 6' RT. HEADWALL
1471+38 11' RT. BRIDGE
1471+38 19' RT. HEADWALL
1471+43 24' RT. FENCE COR.
1471+51 5' LT. FENCE COR.

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1463+00 — 1475+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

LEGEND

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

1–800–582–8068

CAUTION

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

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

1–800–227–2600

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

[redacted]

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : HHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 10

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1481+80 37' RT. FIBER MARKER

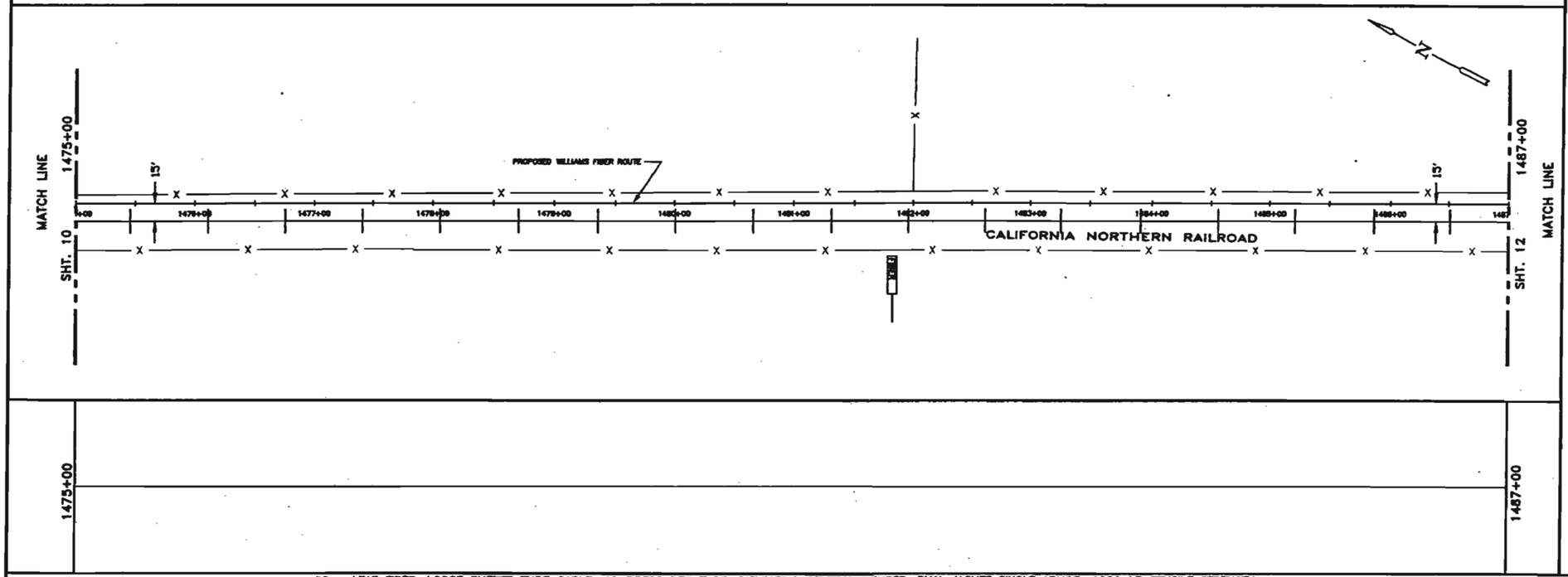
1481+99 9' LT. FENCE COR.

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

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
- PL Prop Line and/or Walk Line
- Region Site
- P.O.P./Int.
- Handhole Spline
- Handhole
- Handhole Spline
- Handhole
- SS Handhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

[redacted] COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NRC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/25/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (UNO & PMP) : 1"=100'	
VERTICAL SCALE (UNO) :	
VERTICAL SCALE (PMP) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 11

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1488+65 41' RT. POWER POLE

1491+62 27' RT. HEADWALL
1491+63 3' RT. HEADWALL
1491+71 27' RT. HEADWALL
1491+73 3' RT. HEADWALL

1494+12 6' RT. CULVERT
1494+12 24' RT. CULVERT

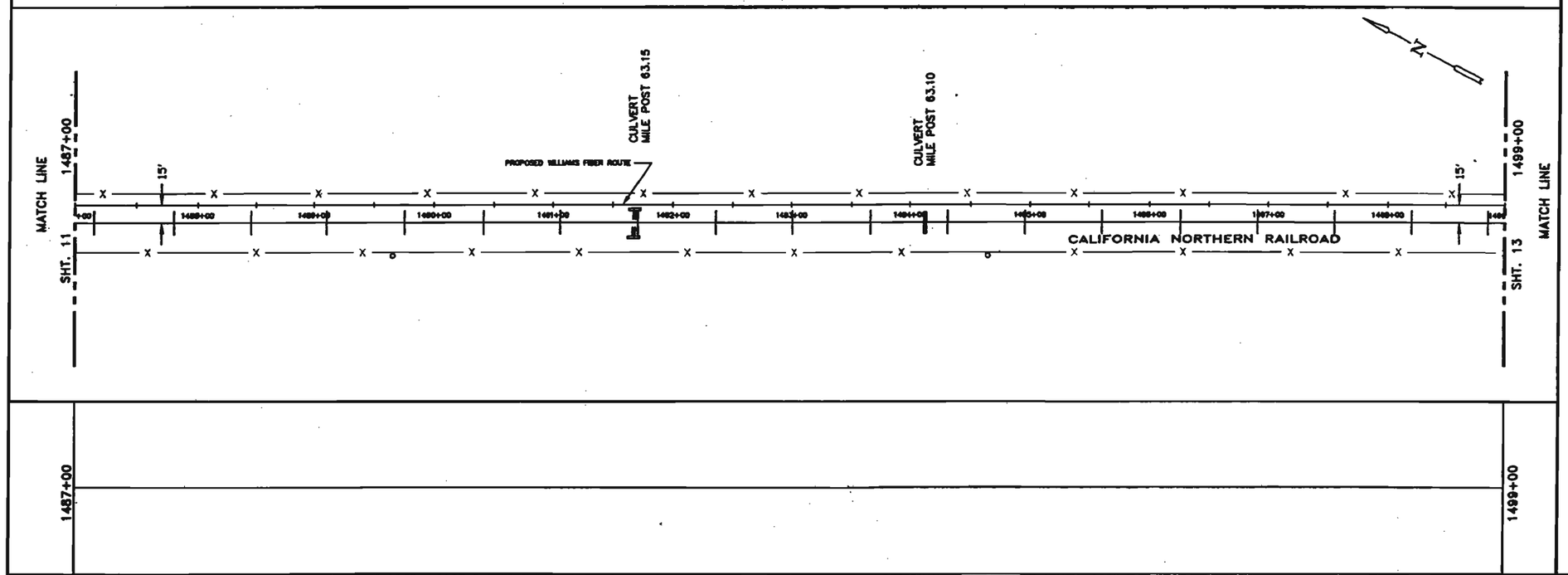
1494+64 41' RT. POWER POLE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

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
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- 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./Int.
- Handhole Spline
- Handhole
- Manhole Spline
- Manhole
- 36 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

1–800–582–8069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/23/00
CHECKED BY : MHW	DATE : 08/23/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877 LOC. CODE :	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 12

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1499+78 3' RT. MILE POST 63

1501+52 SIGN
1501+54 15' RT. BRIDGE

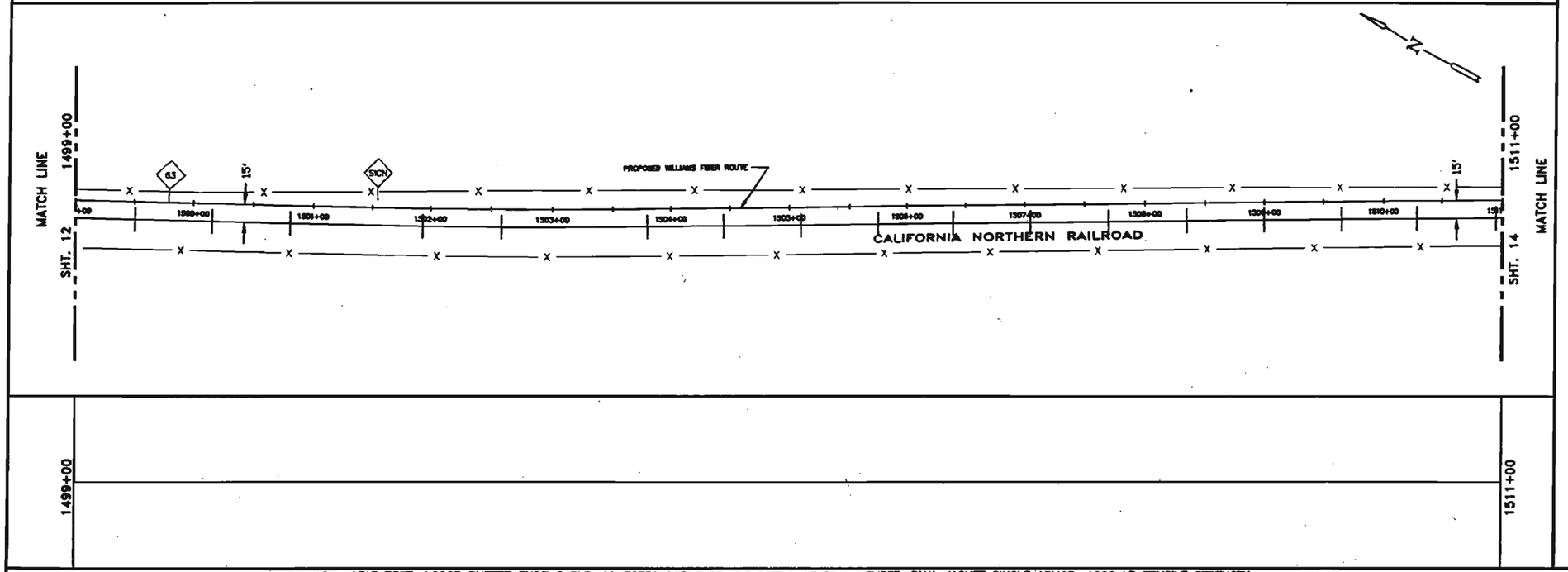
1503+46 15' RT. BRIDGE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

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
- Sta. 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./Int.
- Handhole Splice
- Handhole
- Handhole Splice
- Handhole
- SS Handhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–8069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/25/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877 LOC. CODE :	
HORIZONTAL SCALE (PLAN & PROF) : 1"=100'	
VERTICAL SCALE (PLAN) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 13

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

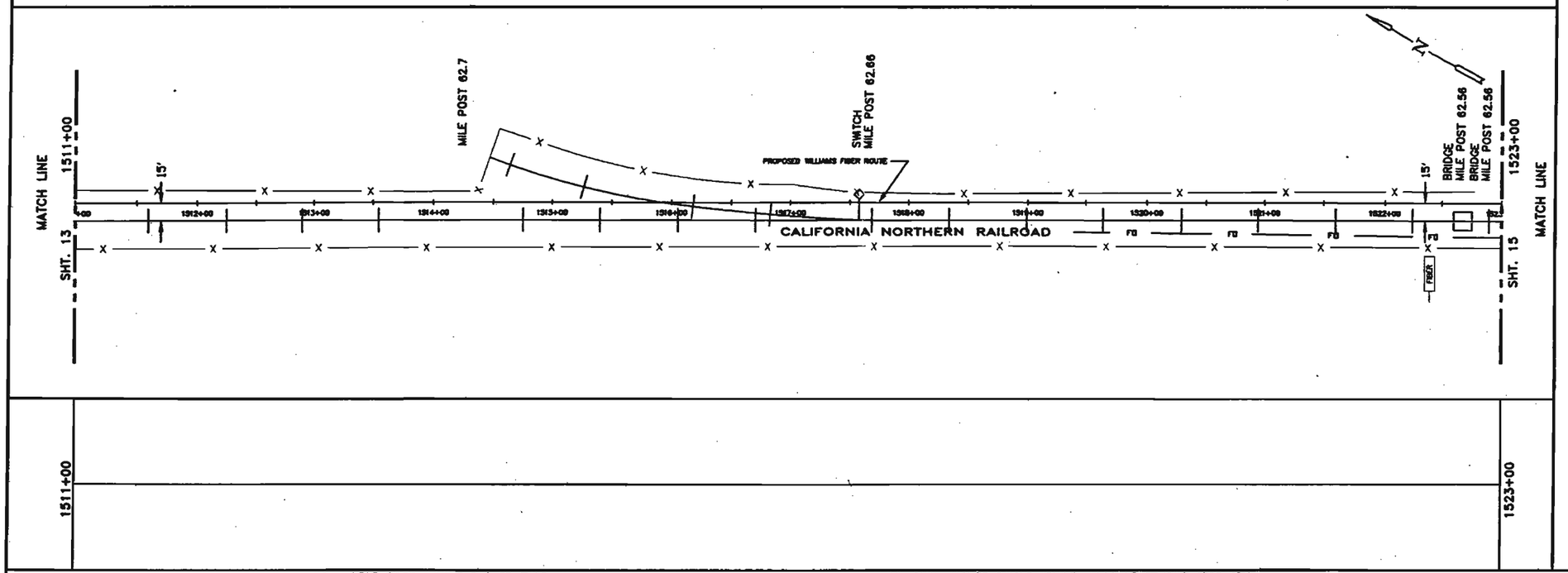
1514+37 9' LT. FENCE COR.
1516+78 12' RT. FROG
1519+39 24' RT. FIBER OPTIC
1522+38 35' RT. FIBER MARKER
1522+59 7' RT. BRIDGE
1522+59 22' RT. BRIDGE
1522+74 7' RT. BRIDGE
1522+74 27' RT. BRIDGE
1522+76 9' LT. FENCE COR.

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
SUBDUCT & TYPE (COND/SHADOW/COLOR)	PIPE & SUBDUCT PLACEMENT
STEEL PIPE SIZE	
PVC	
FUTURE-2	FUTURE USE PLACE
FUTURE-3	
FUTURE-4	

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- Rt Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- R/W Line
- River/Stream
- CL Road
- CL Rit 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./Int.
- 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

1-800-382-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NNC	DATE : 08/28/00
CHECKED BY : MHW	DATE : 08/28/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PRINT) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PRINT) :	
MAP PROJECTION :	
DRAWING NUMBER : SHEET - 14	

OWNERSHIP | CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

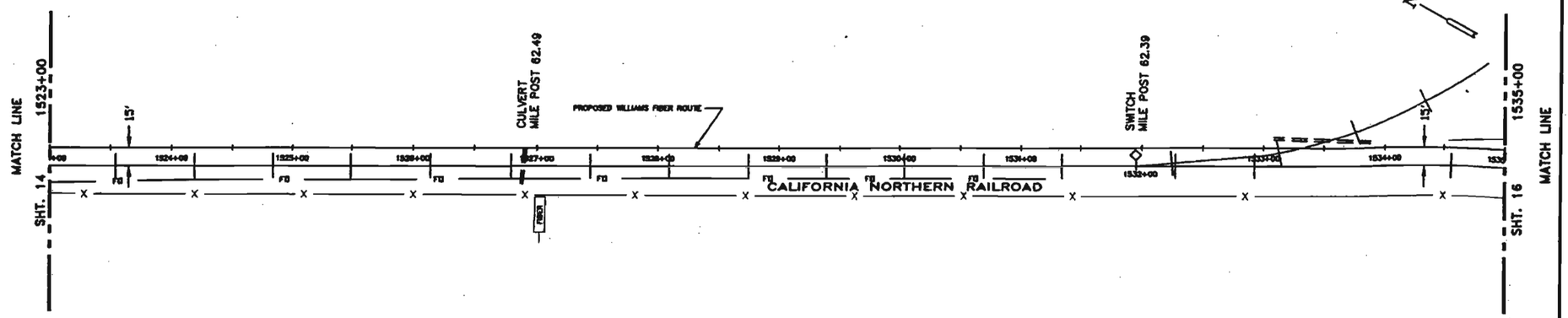
1522+88 23' RT. FIBER OPTIC
1524+21 26' RT. FIBER OPTIC
1525+63 26' RT. FIBER OPTIC
1526+76 25' RT. FIBER OPTIC
1526+87 25' RT. CULVERT
1526+90 CULVERT
1527+00 40' RT. FIBER MARKER
1528+20 24' RT. FIBER OPTIC
1531+20 25' RT. FIBER OPTIC
1532+69 12' RT. FROG
1533+08 7' LT. CULVERT
1533+88 4' LT. CULVERT
1534+54 5' LT. FENCE COR.

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1523+00 | 1535+00

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

LEGEND

Interstate Hwy.
U.S. Hwy.
State Hwy.
County Road
Mile Marker
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./Int.
Handhole Splice
Handhole
Manhole Splice
Manhole
SS Manhole
Power Pole
Water Valve / Meter
Gas Valve / Meter
Signal Pole
Fire Hydrant
Gas Marker
Oil Marker
Fiber Marker
Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR
COUNTY, STATE
1-888-945-2256

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.

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER : SHEET - 15	

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1537+01 31' RT. HEADWALL
1537+03 1' LT. HEADWALL
1537+08 31' RT. HEADWALL
1537+09 1' LT. HEADWALL

1538+72 29' RT. SPLICE BOX

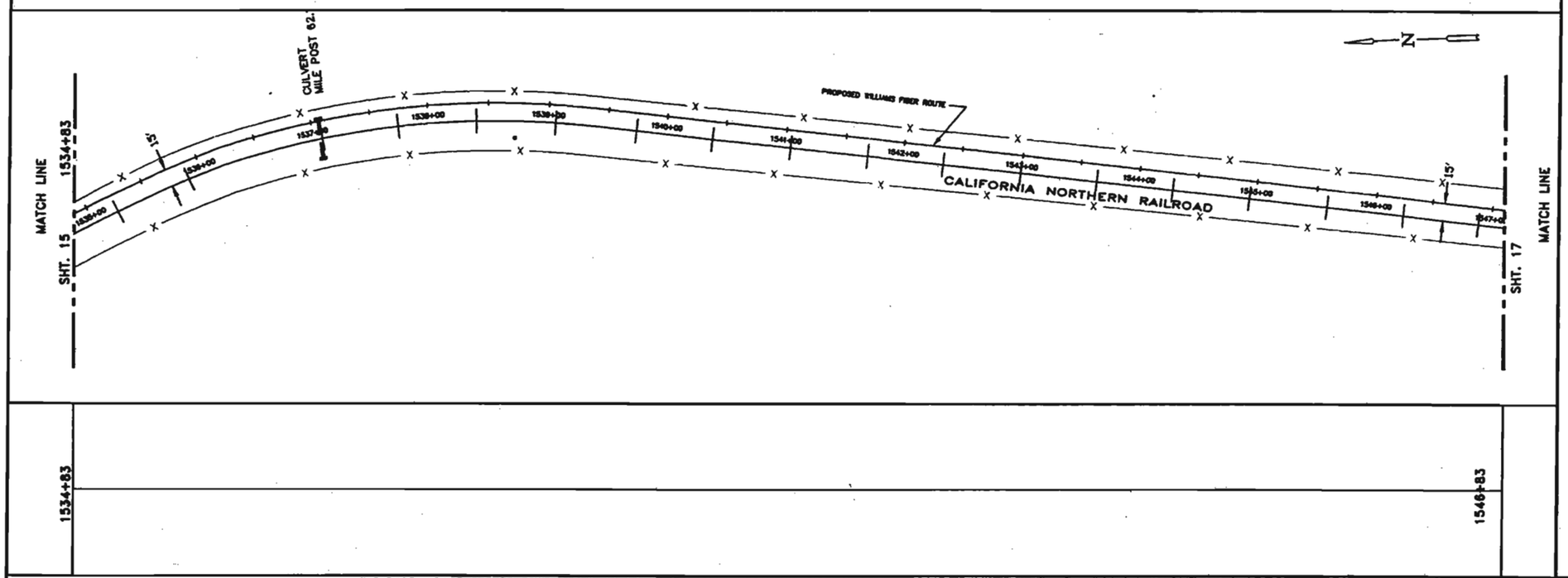
1539+42 15' RT. BRIDGE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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 Grass
- FC Face of Curb
- PL Prop Line and/or Walk 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

1-800-582-9068

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MMC	DATE : 08/25/99
CHECKED BY : MRW	DATE : 08/29/99
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877 LOC. CODE :	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 16

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1546+06 18' RT. SIGN
1546+17 18' RT. POWER METER
1546+24 21' RT. UTILITY BOX
1546+26 19' LT. FENCE COR.
1546+36 1' RT. SIGNAL
1546+38 22' RT. FIBER MARKER
1546+43 30' RT. FENCE COR.

1548+01 27' RT. UTILITY BOX
1548+22 31' RT. SIGNAL
1548+88 35' RT. FENCE COR.
1549+01 32' RT. FIBER MARKER
1549+11 7' LT. CULVERT
1549+14 7' LT. FENCE COR.

1551+51 24' RT. FIBER OPTIC

1552+60 23' RT. FIBER OPTIC

1554+85 36' RT. FIBER MARKER

1556+94 3' RT. MILE POST 62

1558+00 15' RT. BRIDGE

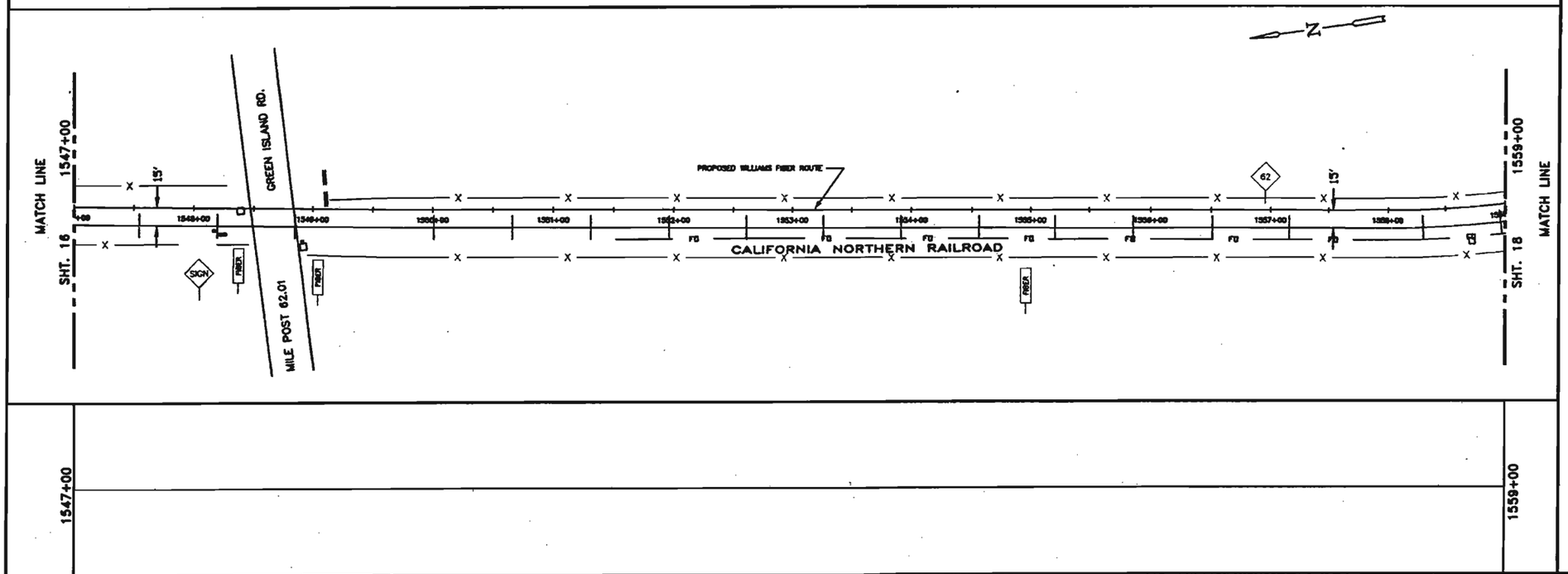
1558+69 28' RT. UTILITY BOX

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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
OS 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.G.P./Jct.
Handhole Splice
Handhole
Manhole Splice
Manhole
SS Manhole
Power Pole
Water Valve / Meter
Gas Valve / Meter
Signal Pole
Fire Hydrant
Gas Marker
OS Marker
Fiber Marker
Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9089

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

Communications Group
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY :	NNC	DATE :	08/25/00
CHECKED BY :	MHW	DATE :	08/29/00
APPROVED BY :		DATE :	
APPROVED BY :		DATE :	
AFE : 4877		LOC. CODE :	
HORIZONTAL SCALE (PNO & PROF) :	1"=100'		
VERTICAL SCALE (PNO) :			
VERTICAL SCALE (PROF) :			
MAP PROJECTION :			

DRAWING NUMBER : SHEET – 17

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

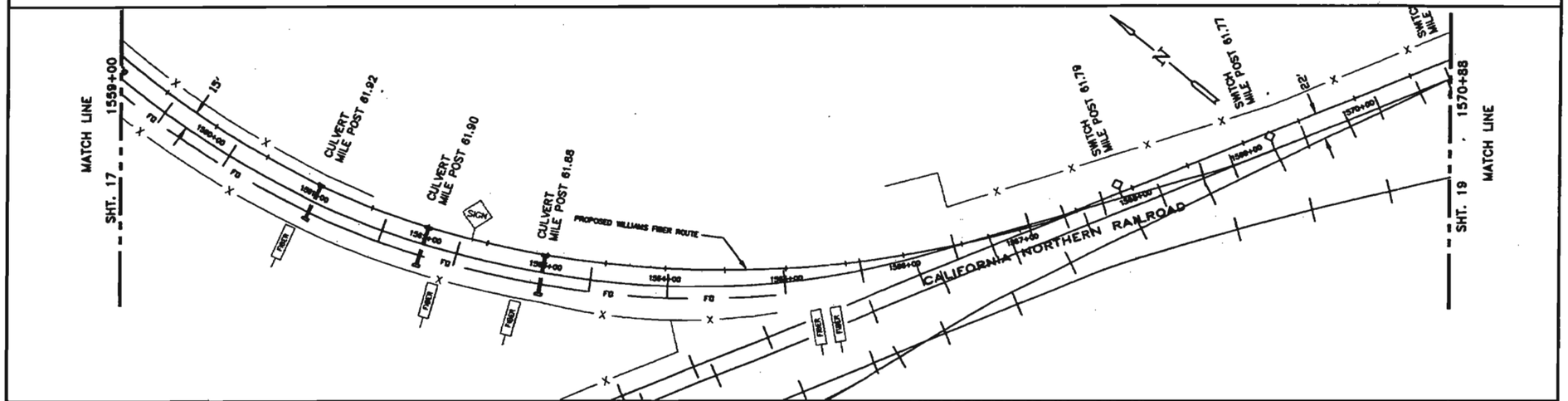
1560+04 25' RT. FIBER OPTIC
1560+62 30' RT. FIBER MARKER
1560+63 25' RT. FIBER OPTIC
1560+98 HEADWALL
1560+99 30' RT. HEADWALL
1561+04 HEADWALL
1561+04 30' RT. HEADWALL
1561+35 24' RT. FIBER OPTIC
1561+47 9' LT. FENCE COR.
1561+66 33' RT. HEADWALL
1561+67 HEADWALL
1562+02 33' RT. HEADWALL
1562+03 HEADWALL
1562+17 30' RT. FIBER MARKER
1562+19 29' RT. FIBER OPTIC
1562+30 1' RT. SIGN
1562+81 30' RT. FIBER MARKER
1562+85 HEADWALL
1562+95 33' RT. HEADWALL
1563+00 HEADWALL
1563+16 25' RT. FIBER OPTIC
1563+82 24' RT. FIBER OPTIC
1564+05 43' RT. FENCE COR.
1564+13 69' RT. FENCE COR.
1564+88 22' RT. FIBER OPTIC
1564+96 36' RT. FENCE COR.
1565+20 21' RT. FIBER MARKER
1565+21 22' RT. FIBER MARKER
1565+21 21' RT. FIBER MARKER
1565+27 21' RT. FIBER MARKER
1565+33 21' RT. FIBER OPTIC
1565+52 99' RT. SWITCH
1565+85 79' RT. FROG
1565+87 84' RT. FROG
1566+43 32' LT. FENCE COR.
1566+52 64' RT. SWITCH
1566+54 74' RT. SWITCH
1566+62 53' RT. SWITCH
1567+13 1' LT. FROG
1567+13 2' RT. FROG
1567+27 50' RT. FROG
1567+27 55' RT. FROG
1567+86 4' LT. SWITCH
1568+44 10' RT. FROG
1568+44 16' RT. FROG
1569+22 15' RT. SWITCH
1569+23 5' RT. SWITCH
1570+00 14' RT. FROG
1570+01 15' RT. FROG
1570+01 19' RT. FROG
1570+76 14' RT. SWITCH
1570+78 24' RT. SWITCH

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1559+00 — 1570+88

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- Rt Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
- X/S Line
- River/Stream
- CL Road
- CL RR Tracks
- Fence
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- 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./Int.
- 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
- Meter Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

WILLIAMS LOCATE # FOR
COUNTY, STATE
1–888–943–2255

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

1–800–227–2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : HNC	DATE : 08/29/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 18

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

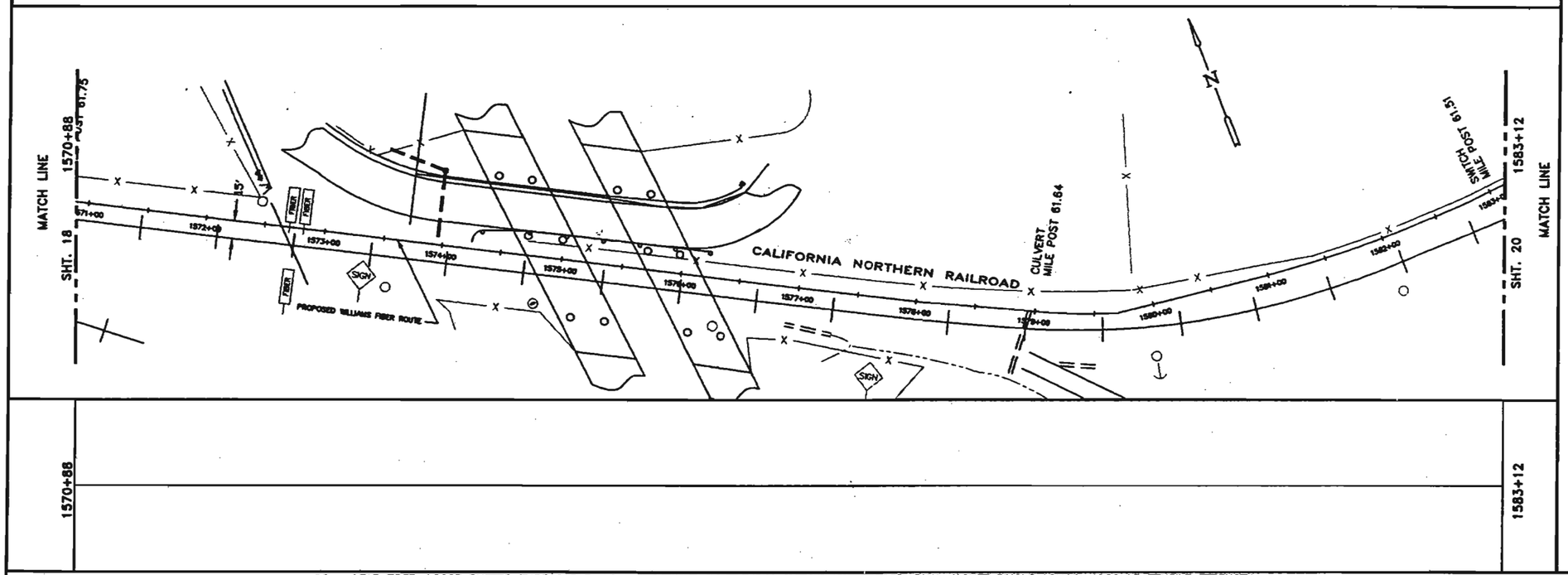
1572+29	57' LT. WATER LINE
1572+35	52' LT. FIBER OPTIC
1572+36	41' LT. WATER VALVE
1572+39	39' LT. WATER LINE
1572+40	37' LT. WATER VALVE
1572+42	20' LT. FENCE COR.
1572+45	19' LT. POWER POLE
1572+47	27' LT. WATER LINE
1572+56	31' LT. FIBER OPTIC
1572+61	1' LT. FIBER MARKER
1572+62	2' RT. FIBER MARKER
1572+72	30' RT. FIBER MARKER
1573+18	65' RT. ON POWER
1573+33	70' RT. FENCE COR.
1573+37	70' RT. GUARD RAIL
1573+54	52' RT. SIGN
1573+58	49' RT. TOLL POLE
1573+62	61' LT. FENCE COR.
1573+69	52' LT. GUARD RAIL
1573+69	57' LT. GAS LINE
1573+75	57' LT. GRATE INLET
1574+01	98' RT. FENCE COR.
1574+08	98' RT. BRIDGE
1574+12	95' LT. FENCE COR.
1574+31	16' LT. GAS LINE
1574+32	64' LT. GUARD RAIL
1574+40	64' LT. COLUMN
1574+56	63' LT. BRIDGE
1574+67	18' LT. COLUMN
1574+70	20' LT. COLUMN
1574+71	20' LT. GUARD RAIL
1574+81	38' RT. POLE
1574+87	49' RT. FENCE COR.
1574+88	50' LT. GAS LINE
1574+94	16' LT. COLUMN
1575+04	98' LT. BRIDGE
1575+13	67' RT. COLUMN
1575+20	76' RT. BRIDGE
1575+34	95' LT. COLUMN
1575+41	95' LT. COLUMN
1575+51	94' LT. GAS LINE
1575+53	95' LT. BRIDGE
1575+66	15' LT. COLUMN
1575+69	15' LT. COLUMN
1575+70	54' LT. BRIDGE
1575+79	54' LT. GAS LINE
1575+97	16' LT. COLUMN
1576+10	57' LT. GAS LINE
1576+11	74' LT. COLUMN
1576+15	74' LT. GUARD RAIL
1576+22	67' RT. BRIDGE
1576+31	47' RT. POLE
1576+39	47' RT. COLUMN
1576+42	82' LT. WATER VALVE
1576+45	74' LT. GAS LINE
1576+61	46' RT. FENCE COR.
1576+68	75' RT. BRIDGE
1577+31	30' RT. CULVERT
1577+45	49' RT. C/L CREEK
1577+50	47' RT. C/L CREEK
1577+70	37' RT. SIGN
1577+84	95' RT. FENCE COR.
1578+11	54' RT. FENCE COR.
1578+55	56' RT. C/L DITCH
1578+82	55' RT. C/L CREEK
1578+84	53' RT. CULVERT
1579+22	77' RT. C/L DITCH
1579+50	44' RT. CULVERT
1579+86	15' LT. FENCE CORNER
1579+91	51' RT. GUY WIRE
1579+92	43' RT. POLE
1580+82	25' RT. CL RR
1580+97	9' LT. FENCE
1581+41	5' LT. FENCE
1582+02	49' RT. POLE
1582+74	24' RT. CL RR
1582+74	5' LT. FENCE
1583+01	35' RT. SWITCH

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-8068

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

WILLIAMS COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MNC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877 LOC. CODE :	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER : SHEET - 19	

OWNERSHIP | CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

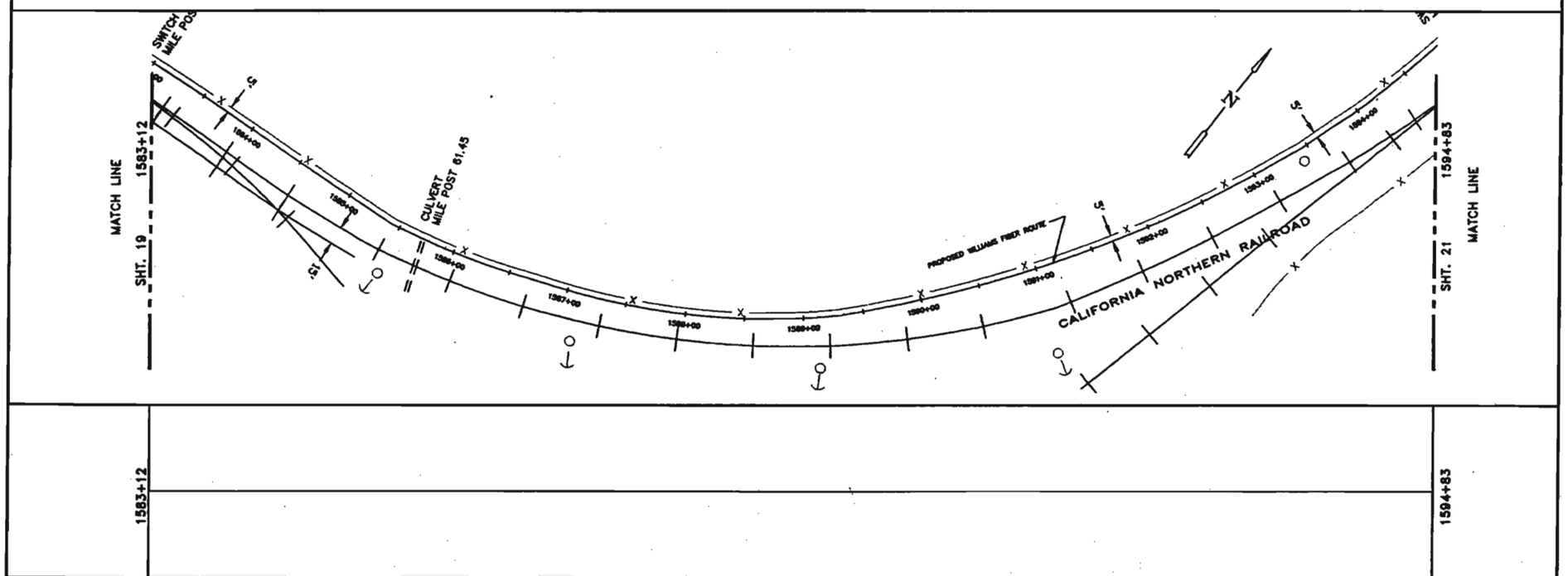
1583+78 32RT. FROG
1584+42 29RT. CL RR
1584+42 41RT. CL RR
1585+31 23RT. CL RR
1585+38 69RT. CL RR
1585+44 5' LT. FENCE
1585+49 51RT. GUY WIRE
1585+51 47RT. POLE
1585+72 2' RT. CULVERT
1585+77 45RT. CULVERT
1587+13 23RT. CL RR
1587+13 40RT. POLE
1587+14 46RT. GUY WIRE
1588+11 21RT. CL RR
1589+09 50RT. GUY WIRE
1589+11 42RT. POLE
1589+28 23RT. CL RR
1589+30 5' LT. FENCE
1590+96 73RT. POLE
1590+97 84RT. GUY WIRE
1591+07 36RT. CL RR
1593+40 30RT. CL RR

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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
OS 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
PL Peg Line and/or White Line
Region Site
P.O.P./Int.
Handhole Splice
Handhole
Manhole Splice
Manhole
SS Manhole
Power Pole
Water Valve / Meter
Gas Valve / Meter
Signal Pole
Fire Hydrant
Gas Marker
OS Marker
Fiber Marker
Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
INNERDUCT & TYPE (COAR/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 : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877 LOC. CODE :	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 20

OWNERSHIP | CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

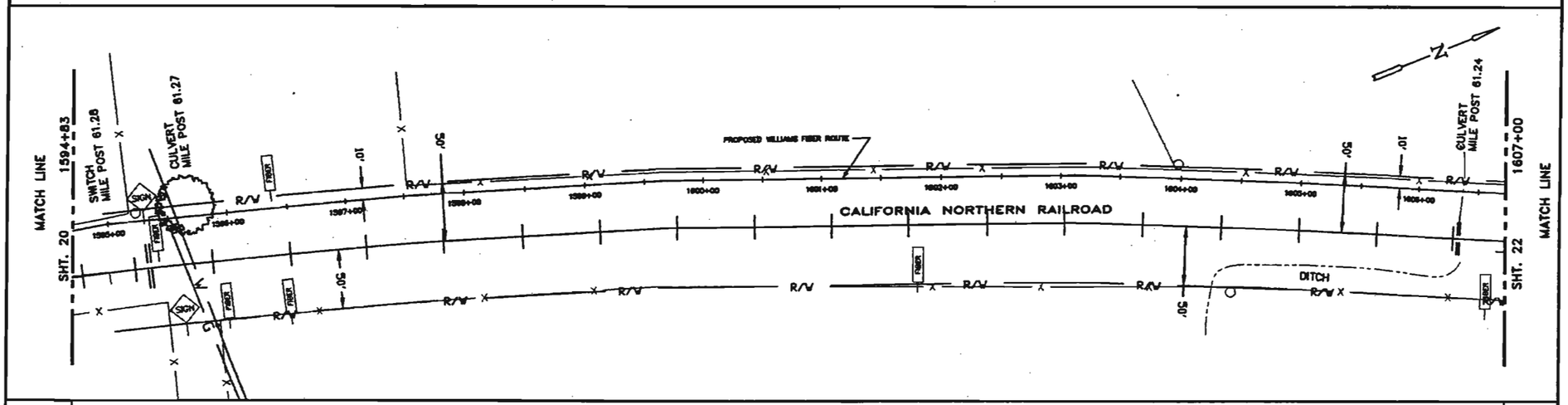
1594+83 40'RT. SWITCH
1594+83 50'RT. SWITCH
1594+15 29'RT. FIBER OPTIC
1594+18 6' LT. FENCE CORNER
1594+23 7' LT. POWER POLE
1594+27 25'RT. FIBER MARKER
1594+30 50'RT. SIGN
1594+31 20'RT. CULVERT
1594+32 37'RT. FIBER OPTIC
1594+32 57'RT. CULVERT
1596+44 70'RT. FENCE CORNER
1596+52 40'RT. CL RR
1596+54 20'RT. GAS LINE
1596+62 20'RT. WATER LINE
1596+68 67'RT. GAS LINE
1596+74 53'RT. SIGN
1596+75 66'RT. WATER LINE
1596+81 50'RT. FIBER OPTIC
1596+83 57'RT. FIBER MARKER
1596+83 84'RT. WATER VALVE
1596+87 89'RT. FENCE CORNER
1596+92 63'RT. FIBER MARKER
1596+92 49'RT. FIBER OPTIC
1596+93 40'RT. CL RR
1597+53 6' LT. FENCE CORNER
1597+54 39'RT. CL RR
1597+57 68'RT. FENCE
1599+57 85'RT. FENCE
1599+65 40'RT. CL RR
1599+65 7' LT. FENCE
1601+81 82'RT. FIBER MARKER
1603+19 39'RT. CL RR
1603+21 7' LT. FENCE
1603+95 6' LT. FENCE
1603+97 11'LT. POWER POLE
1604+29 77'RT. CL DITCH
1604+44 84'RT. POWER POLE
1604+63 88'RT. FENCE
1605+11 40'RT. CL RR
1605+14 7' LT. FENCE
1606+34 26'RT. CULVERT
1606+34 53'RT. CULVERT
1606+34 67'RT. CL DITCH
1606+35 6' RT. CREEK
1606+37 50'RT. CREEK
1606+65 61'RT. FIBER MARKER
1606+67 49'RT. FIBER OPTIC

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1594+83 | 1607+00

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- Mile Mkr.
- Misc. Road Sign
- Rural 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
- PL Peg Line and/or Walk Line
- Region Site
- P.O.P./Int.
- Handhole Splice
- Handhole
- Handhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9089

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

[redacted] COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NWC	DATE : 08/23/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET - 21

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

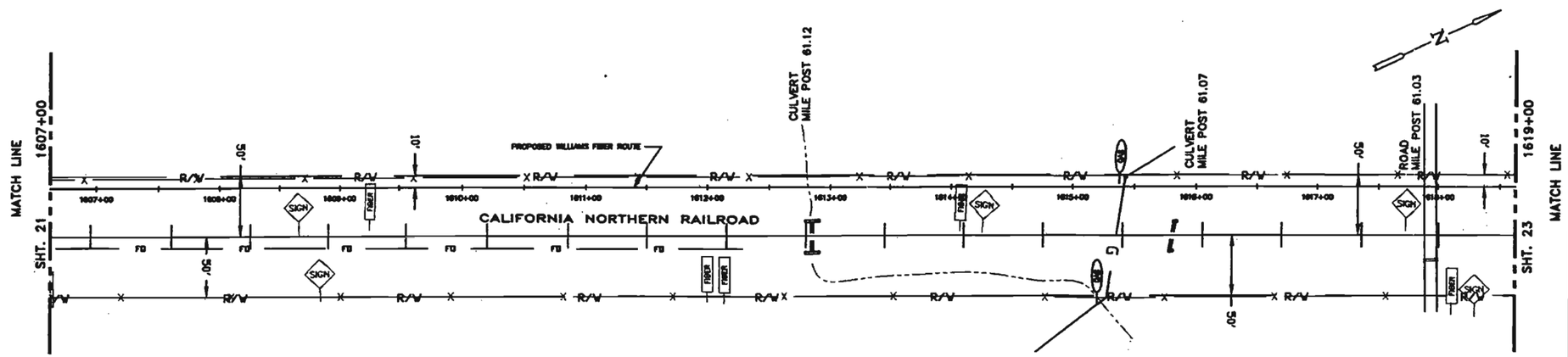
1608+46 25'RT. SIGN
1608+75 53'RT. SIGN
1609+25 5' LT. FIBER MARKER
1612+05 60'RT. FIBER MARKER
1612+11 61'RT. FIBER MARKER
1612+27 51'RT. FIBER OPTIC
1612+84 23'RT. CL CREEK
1612+85 25'RT. CULVERT
1612+85 51'RT. CULVERT
1612+85 62'RT. CL CREEK
1614+24 6' LT. FENCE
1614+26 26'RT. SIGN
1614+26 40'RT. CL RR
1614+26 5' LT. FIBER MARKER
1614+27 68'RT. CL DITCH
1614+27 50'RT. FENCE
1615+16 62'RT. CL DITCH
1615+27 51'RT. GAS MARKER
1615+42 7' LT. VENT PIPE
1615+44 6' LT. GAS MARKER
1615+76 52'RT. CONCRETE
1615+82 28'RT. CONCRETE
1617+84 26'RT. SIGN
1617+85 61'RT. CULVERT
1617+89 60'RT. CULVERT
1618+02 52'RT. SIGN
1618+03 52'RT. FIBER MARKER

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1607+00 | 1619+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

CABLE DESCRIPTION
PIPE & INNERDUCT PLACEMENT
FUTURE USE PLACE

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
PL Fog Line and/or White Line
Region Site
P.G.P./Jct.
Handhole Splice
Handhole
Manhole Splice
Manhole
SS Manhole
Power Pole
Water Valve / Meter
Gas Valve / Meter
Signal Pole
Fire Hydrant
Gas Marker
Oil Marker
Fiber Marker
Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NRC — DATE : 08/25/09
CHECKED BY : MHW — DATE : 08/29/09
APPROVED BY : — DATE :
APPROVED BY : — DATE :
APE : 4877 — LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'
VERTICAL SCALE (DWG) :
VERTICAL SCALE (PROF) :
MAP PROJECTION :
DRAWING NUMBER : SHEET – 22

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

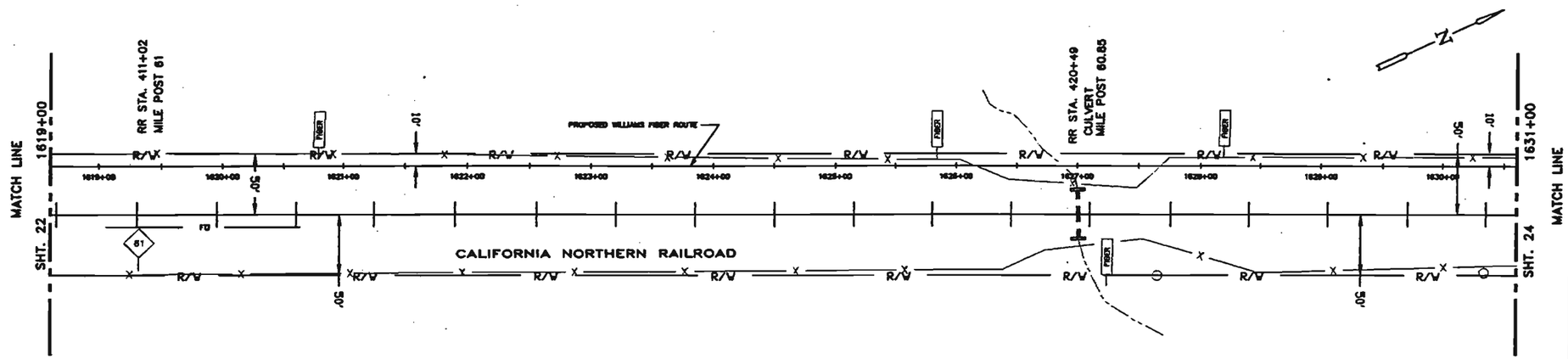
1619+25 53'RT. RR MP
1619+84 50'RT. FIBER OPTIC
1620+76 6' LT. FIBER MARKER
1625+63 6' LT. FIBER MARKER
1626+02 4' LT. FENCE CORNER
1626+38 65'RT. FENCE CORNER
1626+43 11'RT. FENCE CORNER
1626+69 14'LT. CL CREEK
1626+73 69'RT. FENCE CORNER
1627+00 20'RT. CULVERT
1627+01 50'RT. CULVERT
1627+10 73'RT. CL CREEK
1627+25 52'RT. FIBER MARKER
1627+48 15'RT. FENCE CORNER
1627+53 60'RT. FENCE CORNER
1627+64 90'RT. POWER POLE
1627+74 6' LT. FENCE CORNER
1628+16 7' LT. FIBER MARKER
1628+47 67'RT. FENCE CORNER
1630+34 65'RT. POWER POLE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1619+00 | 1631+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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	

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Mun. 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 Flag Line and/or White Line
- Region Site
- P.G.P./Jct.
- Handhole Splice
- Handhole
- Handhole Splice
- Handhole
- 36 Handhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–8069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877 LOC. CODE :	
HORIZONTAL SCALE (PLAN & PROF) : 1"=100'	
VERTICAL SCALE (PLAN) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 23

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

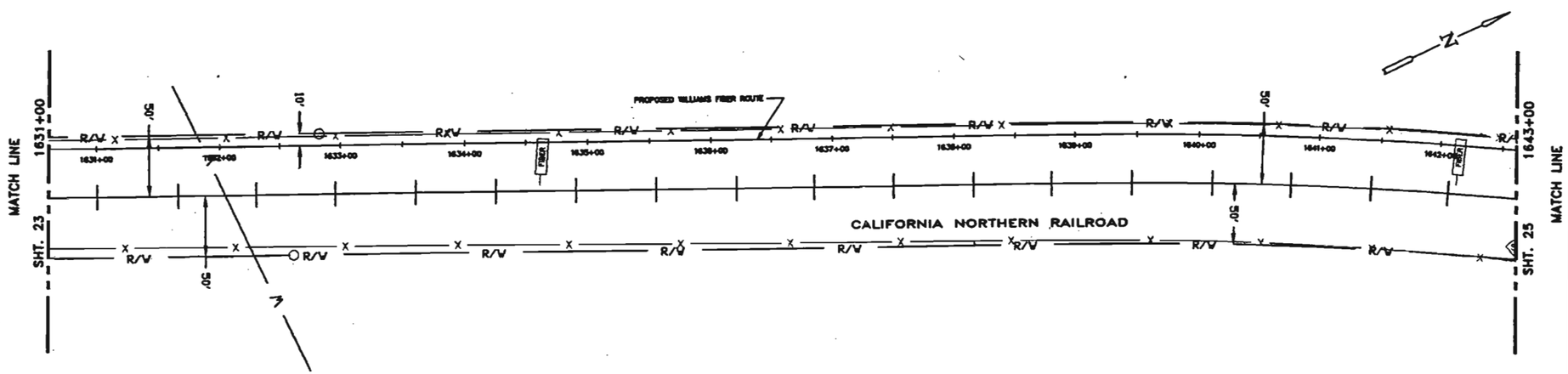
1631+81 13'RT. WATER LINE
1632+22 78'RT. WATER LINE
1632+61 86'RT. POWER POLE
1632+82 9' LT. POWER POLE
1634+63 5' LT. FIBER MARKER
1639+04 86'RT. FENCE
1639+05 39'RT. CL RR
1639+08 8' LT. FENCE
1642+15 4' LT. FIBER MARKER
1642+72 50'RT. SIGN

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1631+00 | 1643+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

CABLE FIBER COUNT MFG. TYPE OF GLASS
CABLE REEL NO.
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH
(CABLE DESCRIPTION)

DIRECTIONAL & TYPE (CORR/SMOOTH/COLOR)
STEEL PIPE SIZE
PVC
(PIPE & DIRECTIONAL PLACEMENT)

FUTURE-2
FUTURE-3
FUTURE-4
(FUTURE USE PLACE)

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/28/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APC : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROP) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROP) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 24

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1643+87 93'RT. FENCE
1643+89 7' LT. FENCE
1643+90 40'RT. CL RR
1643+92 49'RT. FIBER OPTIC

1647+65 40'RT. CL RR

1647+90 74'RT. FIBER MARKER
1647+93 50'RT. FIBER OPTIC

1650+86 91'RT. FENCE
1650+88 40'RT. CL RR
1650+89 6' LT. FENCE

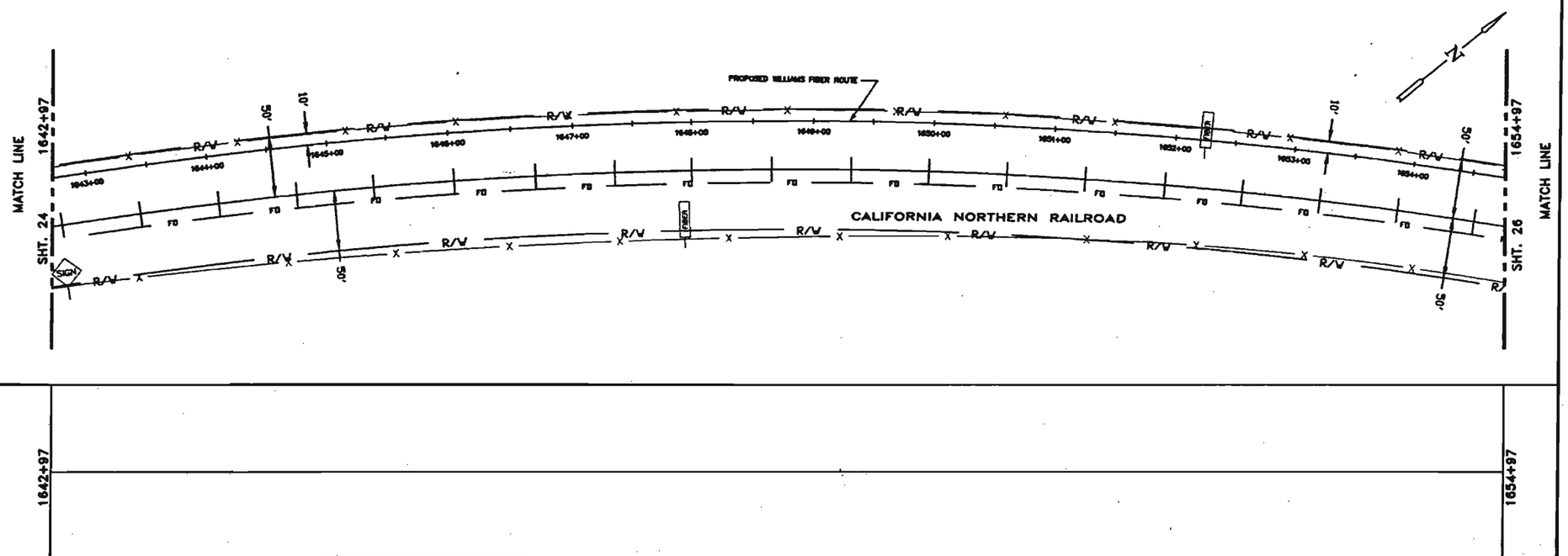
1652+26 5' LT. FIBER MARKER

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

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

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 Flag Line and/or White Line
- Region Site
- P.O.P./Int.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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1-888-945-2255

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NMC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877 LOC. CODE :	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET - 25

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

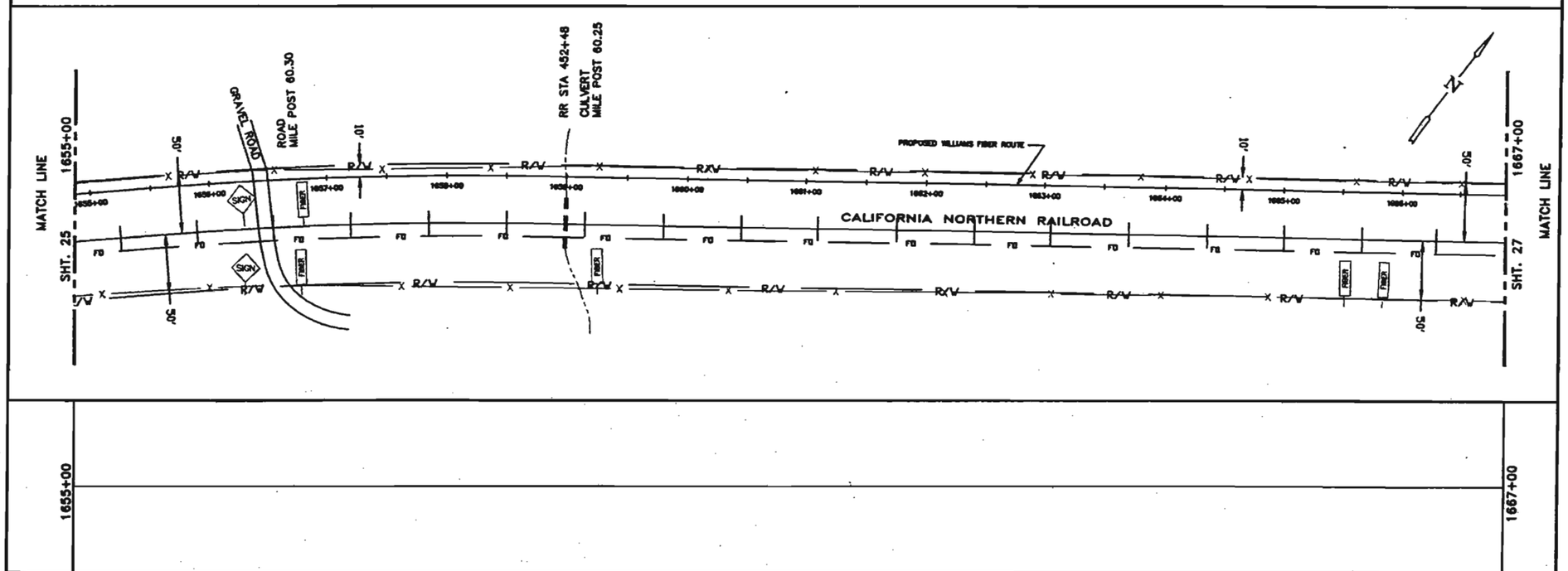
1656+32 40'LT. CL RR
1656+33 27'RT. SIGN
1656+41 89'RT. FENCE CORNER
1656+43 7' LT. CL RR
1656+46 30'RT. CL RR
1656+50 69'RT. CL RR
1656+56 51'RT. SIGN
1656+62 49'RT. FIBER MARKER
1656+80 3' LT. FIBER MARKER
1656+80 85'RT. FIBER MARKER
1656+80 86'RT. FENCE CORNER
1657+55 5' LT. FENCE
1658+03 26'RT. O/H POWER
1658+48 57'RT. O/H POWER
1659+00 18'RT. CULVERT
1659+00 60'RT. CULVERT
1659+01 4' RT. CL CROSS
1659+24 53'RT. FIBER MARKER
1659+58 50'RT. FIBER OPTIC
1664+13 51'RT. FIBER OPTIC
1665+00 57'RT. FIBER MARKER
1665+45 57'RT. FIBER MARKER
1665+67 69'RT. FENCE
1665+70 8' LT. FENCE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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1-800-227-2600

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PRINT) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PRINT) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 26

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

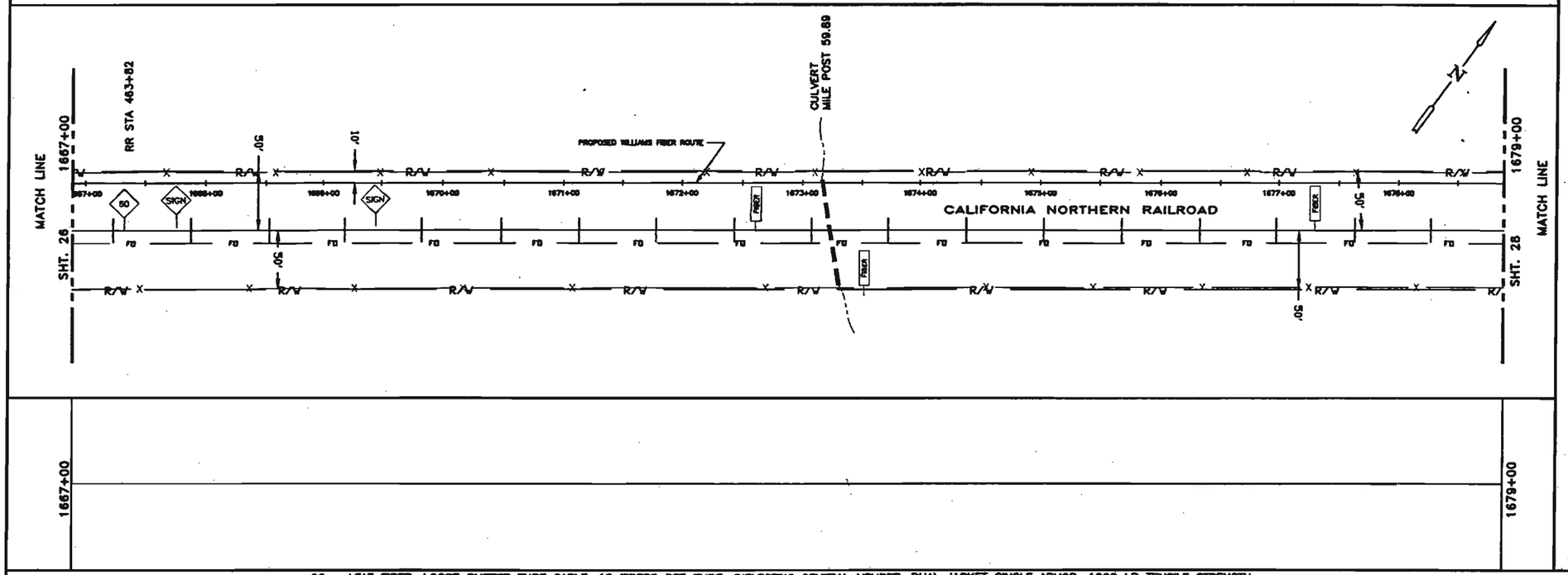
1667+31 23RT. RR MP
1667+75 23RT. SIGN
1669+45 28RT. SIGN
1671+85 85RT. FENCE
1671+96 39RT. CL RR
1671+98 7' LT. FENCE
1672+60 1' RT. FIBER MARKER
1673+16 12'LT. CL CREEK
1673+16 2' LT. CULVERT
1673+30 86RT. CULVERT
1673+50 33RT. FIBER MARKER
1677+35 5' LT. FIBER MARKER
1677+35 6' LT. FENCE
1678+98 85RT. FENCE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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
- PL Prop Line and/or White Line
- Region Site
- P.O.P./Int.
- Manhole Spike
- Manhole
- Manhole Spike
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

CABLE FIBER COUNT MFR. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
SUBDUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & SUBDUCT 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 : NWC	DATE : 06/25/00
CHECKED BY : MHW	DATE : 06/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4977 LOC. CODE :	
HORIZONTAL SCALE (PLAN & PROF) : 1"=100'	
VERTICAL SCALE (PLAN) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET - 27

OWNERSHIP | CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1680+67 49'RT. FIBER OPTIC

1683+48 54'RT. FIBER MARKER
1683+50 38'RT. CL RR

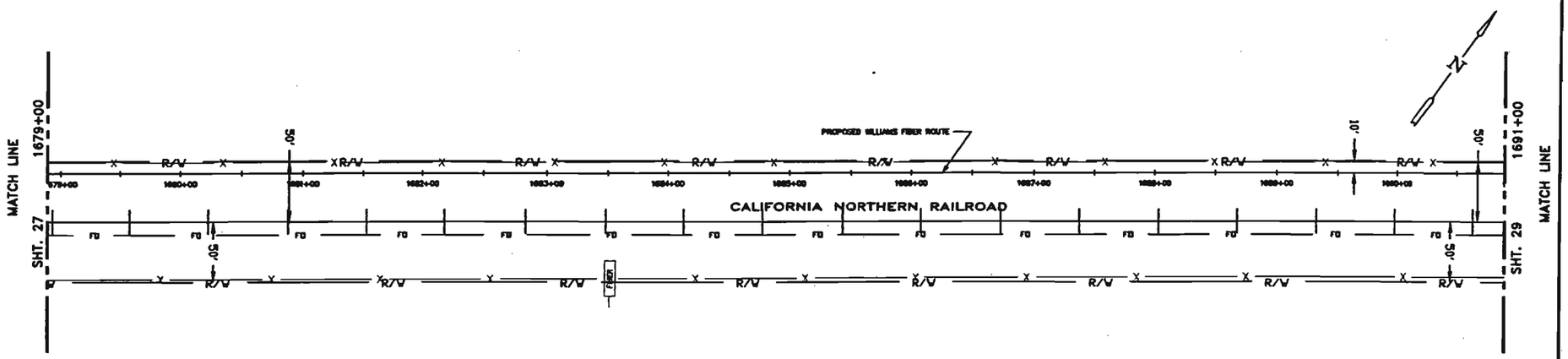
1689+40 40'RT. CL RR
1689+40 65'RT. FENCE
1689+44 9' LT. FENCE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1679+00 | 1691+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

LEGEND

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

1–800–582–8069

CAUTION

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

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1–800–227–2600

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NNC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 28

OWNERSHIP: CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

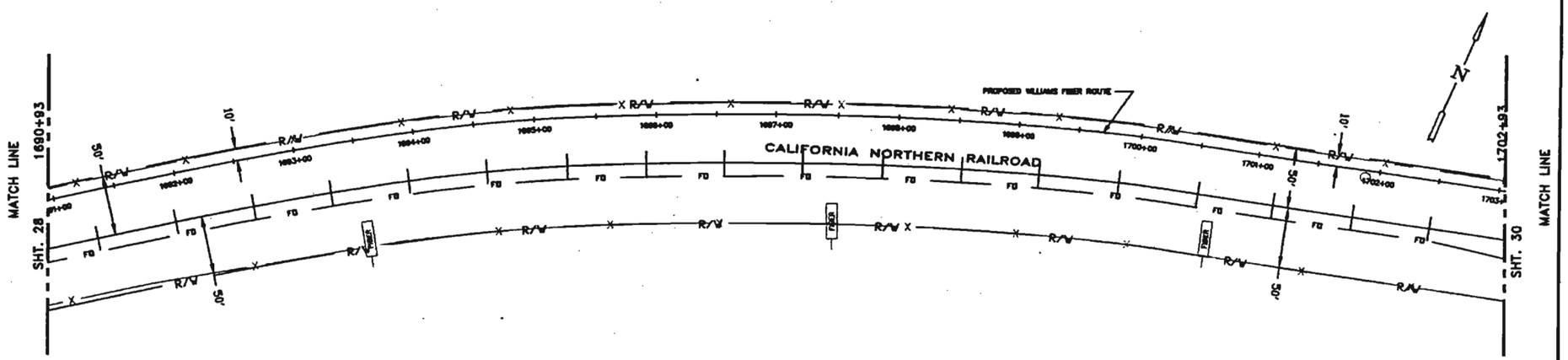
1691+50	40'RT. CL RR
1691+63	66'RT. FENCE
1691+85	9' LT. FENCE
1692+45	49'RT. FIBER OPTIC
1693+52	56'RT. FIBER MARKER
1693+77	65'RT. FENCE
1693+79	39'RT. CL RR
1693+81	7' LT. FENCE
1695+53	40'RT. CL RR
1697+45	53'RT. FIBER MARKER
1699+27	40'RT. CL RR
1700+64	53'RT. FIBER MARKER
1701+88	5' RT. POLE
1702+51	50'RT. FIBER OPTIC

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

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

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
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- FC Face of Curb
- FL Fog Line and/or White Line
- Region Site
- P.G.&E./Ind.
- Handhole Spliter
- Handhole
- Handhole Spliter
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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1-888-945-2255

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/22/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET - 29

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1703+26 90'RT. FENCE
1703+27 85'RT. FIBER MARKER
1703+37 8' LT. FENCE

1704+10 63'RT. FIBER OPTIC

1706+52 63'RT. VENT PIPE
1706+57 63'RT. VENT PIPE
1706+76 63'RT. VENT PIPE
1706+81 63'RT. VENT PIPE

1708+00 63'RT. FIBER MARKER
1708+02 25'RT. SANITARY M.H.

1707+45 70'RT. FIBER MARKER

1710+01 50'RT. FIBER OPTIC

1710+85 15'RT. CULVERT
1710+86 55'RT. CULVERT

1713+31 70'RT. FENCE
1713+32 39'RT. CL RR

1714+35 63'RT. FIBER MARKER

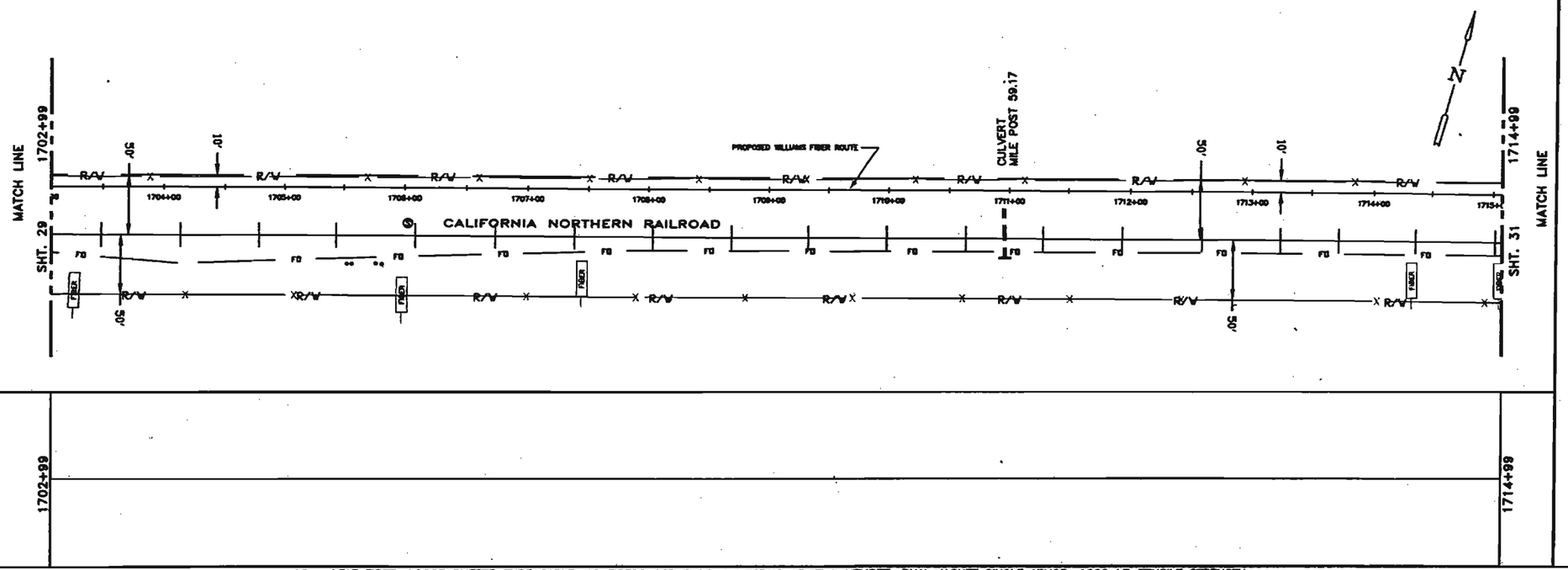
1715+01 75'RT. FIBER MARKER

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- New Fiber Cable
- Township Line
- City Limits
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- Fence
- Oil Pipeline
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- B.I.P. Black Iron Pipe
- G.I.P. Galvanized Iron Pipe
- EP Edge of Pavement
- EG Edge of Gravel
- FC Face of Curb
- PL Peg Line and/or White Line
- Pagoda Site
- P.O.P./Jct.
- Handhole Splice
- Handhole
- Handhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Meter Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

CABLE FIBER COUNT MFG. TYPE OF GLASS	CABLE DESCRIPTION
CABLE REEL NO.	
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH	
DUCT & TYPE (CORR/SMOOTH/COLOR)	PIPE & DUCT 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 : NHC	DATE : 08/28/00
CHECKED BY : MHW	DATE : 08/28/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 30

OWNERSHIP: CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

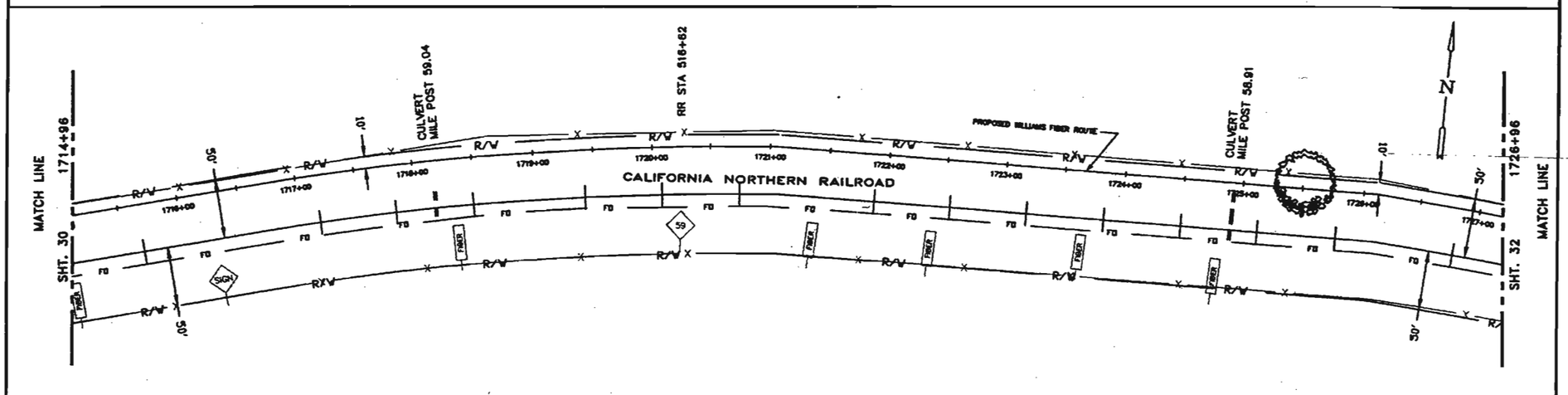
1715+23 8' LT. FENCE
1716+20 54'RT. SIGN
1716+55 40'RT. CL RR
1718+17 88'RT. CULVERT
1718+35 86'RT. FIBER MARKER
1718+59 40'RT. CL RR
1718+64 16'LT. FENCE
1719+57 86'RT. FENCE
1720+27 MILE POST 59
1721+02 13'LT. FENCE
1721+09 39'RT. CL RR
1721+32 79'RT. FIBER MARKER
1721+87 45'RT. FIBER OPTIC
1722+37 71'RT. FIBER MARKER
1723+67 62'RT. FIBER MARKER
1724+86 67'RT. FIBER MARKER
1724+91 49'RT. CULVERT
1724+92 8' RT. CULVERT
1728+12 39'RT. CL RR
1728+16 85'RT. FENCE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1714+96 | 1726+96

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)

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER
1-800-582-9069

CAUTION

WILLIAMS LOCATE # FOR COUNTY, STATE
1-888-845-2233

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.

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MHC	DATE : 08/23/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET - 31

OWNERSHIP | CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

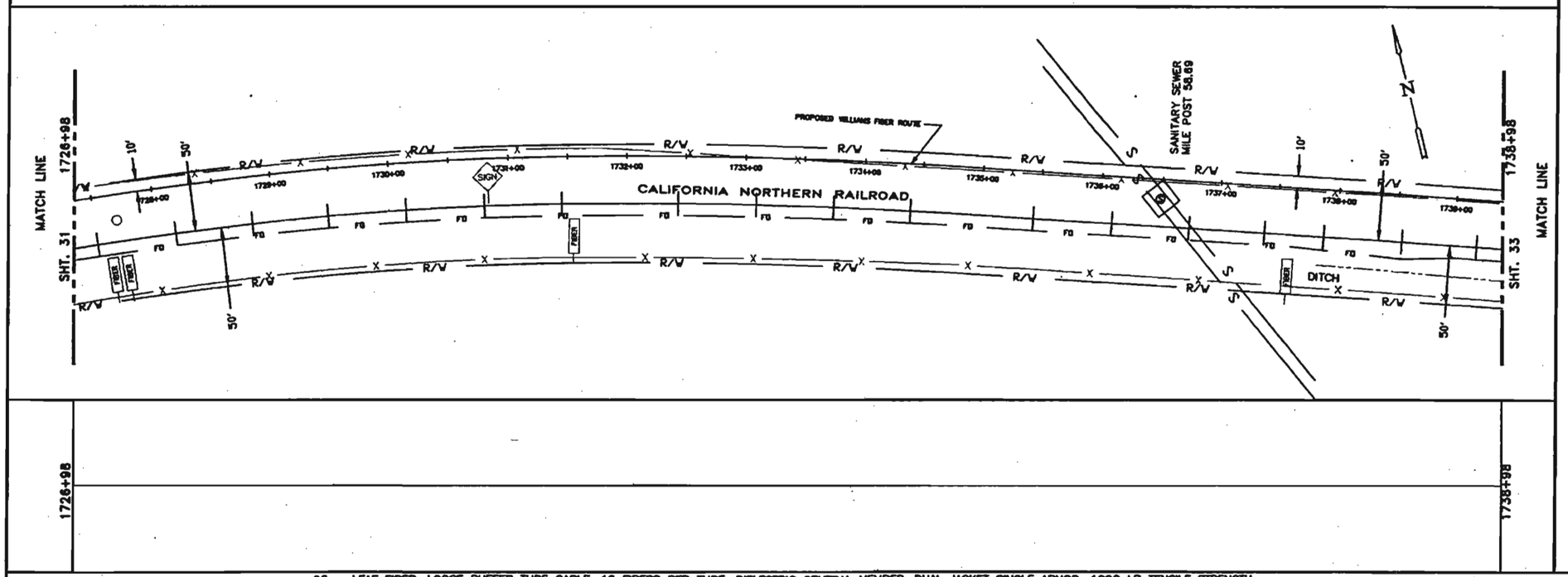
1727+62 63RT. FIBER MARKER
1727+86 21RT. POLE
1727+88 63RT. FIBER MARKER
1729+24 20RT. O/H POWER
1729+29 49RT. O/H POWER
1730+79 28RT. SIGN
1731+31 85RT. FENCE
1731+55 64RT. FIBER MARKER
1731+65 40RT. CL RR
1731+65 50RT. FIBER OPTIC
1731+74 7' LT. FENCE
1734+69 40RT. CL RR
1735+41 82RT. FENCE
1735+61 2' RT. FENCE
1736+48 16RT. SANITARY M.H.
1738+85 66RT. SEWER
1738+88 35RT. SEWER
1737+48 50RT. FIBER OPTIC
1737+48 60RT. FIBER MARKER
1737+64 40RT. CL RR
1738+56 54RT. FIBER OPTIC
1738+99 50RT. FIBER OPTIC

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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
PL Peg 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

1–800–562–8069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

[redacted] COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 32

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

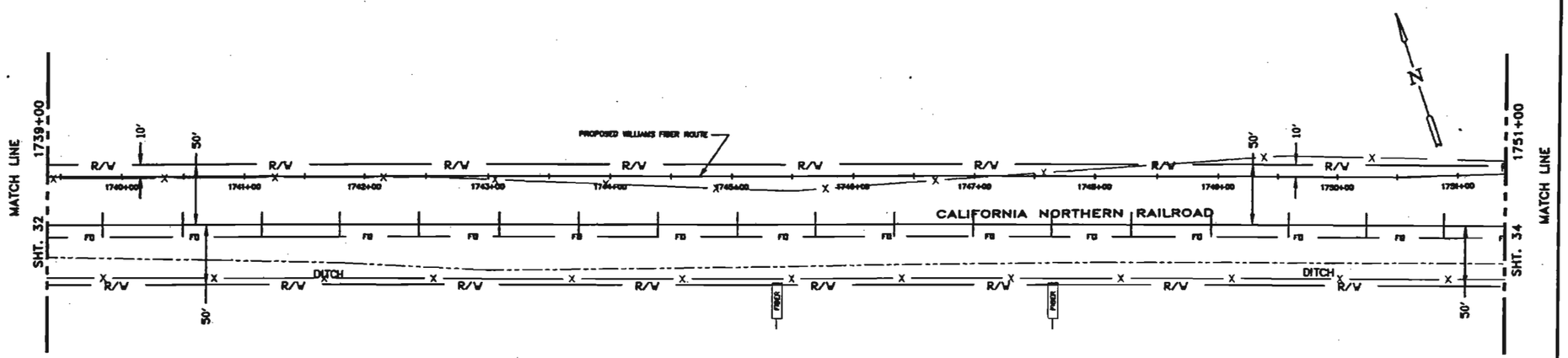
1741+31 50'RT. FIBER OPTIC
1742+50 FENCE
1743+02 76'RT. CL DITCH
1743+02 85'RT. FENCE
1745+40 62'RT. FIBER MARKER
1745+48 12'RT. FENCE
1747+67 64'RT. FIBER MARKER
1749+55 17'LT. FENCE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1739+00 | 1751+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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

LEGEND

Interstate Hwy.
U.S. Hwy.
State Hwy.
County Road
Mile Mkr.
Misc. Road Sign
New Fiber Cable
Telephone Line
City Limits
R/W Line
River/Stream
CL Road
CL RR Tracks
Fence
Oil Pipeline
Gas Pipeline
Power Line
Water Line
Sat. Sower
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
PL Prop Line and/or White Line
Region Site
P.O.P./Int.
Handhole Splice
Handhole
Manhole Splice
Manhole
SB 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
1-888-845-2255

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

1-800-227-2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (PLAN & PROF) : 1"=100'	
VERTICAL SCALE (PLAN) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 33

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1752+47 7' LT. FENCE
1752+49 44'RT. CL RR
1752+50 76'RT. CL DITCH
1752+50 89'RT. FENCE

1753+08 20'RT. CL DITCH

1754+12 64'RT. FIBER MARKER
1754+13 44'RT. CL RR

1755+47 54'RT. FIBER OPTIC

1756+66 67'RT. FIBER MARKER

1756+04 69'RT. CL DITCH
1756+04 89'RT. FENCE
1756+08 57'RT. CL RR
1756+09 3' LT. FENCE

1758+73 21'RT. CL DITCH

1759+38 35'RT. O/H POWER
1759+53 64'RT. O/H POWER

1759+90 52'RT. FIBER OPTIC

1760+44 13'RT. CL DITCH

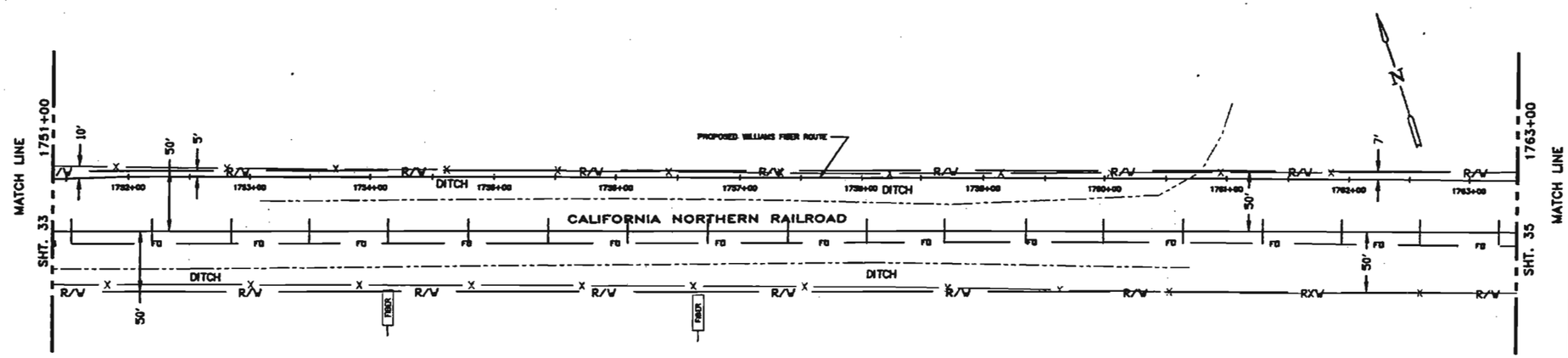
1761+22 94'RT. FENCE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1751+00 | 1763+00

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

REEL # N/A

N/A

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

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
- PL Prop Line and/or Walk Line
- Regen Site
- P.O.P./Int.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SE Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NMC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/25/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (PLAN & PROF) : 1"=100'	
VERTICAL SCALE (PLAN) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 34

OWNERSHIP | CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1763+72 53RT. FIBER OPTIC
1763+73 60RT. FIBER OPTIC
1764+07 59RT. FIBER MARKER
1764+12 58RT. PED
1764+18 71RT. CL DITCH
1764+54 72RT. CULVERT
1764+64 28RT. SIGN
1764+65 23RT. CULVERT
1764+67 9RT. FENCE
1764+68 2' RT. POST
1764+70 2' LT. POST
1764+70 5' LT. POST
1764+73 5' RT. WATER VALVE
1764+74 4' LT. WATER VALVE
1764+76 13RT. CULVERT
1764+78 67RT. SIGN
1764+81 23RT. CL RR
1764+87 23RT. CULVERT
1764+93 8' RT. WATER METER
1765+04 5' LT. SIGN
1765+23 52RT. FIBER OPTIC
1765+48 42RT. CL RR
1765+73 2' LT. FIBER MARKER
1765+73 7' LT. FENCE
1770+06 6' LT. FENCE
1770+07 WATER MKR
1770+10 43RT. CL RR
1771+67 3' LT. FIBER MARKER
1773+07 MILE POST
1773+76 55RT. FIBER OPTIC
1774+47 4' LT. FENCE CORNER
1774+52 1' LT. WATER VALVE
1774+53 6' RT. WATER VALVE
1774+53 8' RT. WATER MKR
1774+57 11RT. SIGN
1774+61 27RT. CULVERT
1774+65 71RT. FIBER MARKER

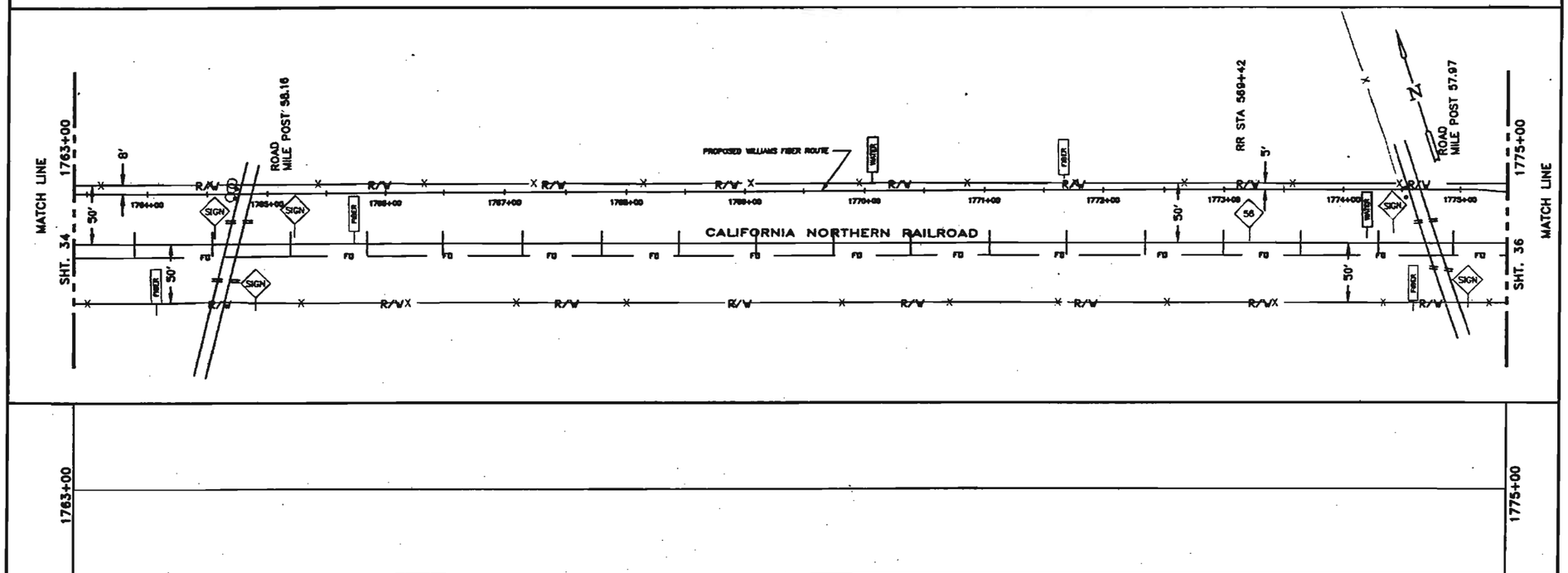
ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

BEGIN SALANO COUNTY

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

COMMUNICATIONS GROUP
Mohawk Gardens

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/23/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER : SHEET – 35	

OWNERSHIP: CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

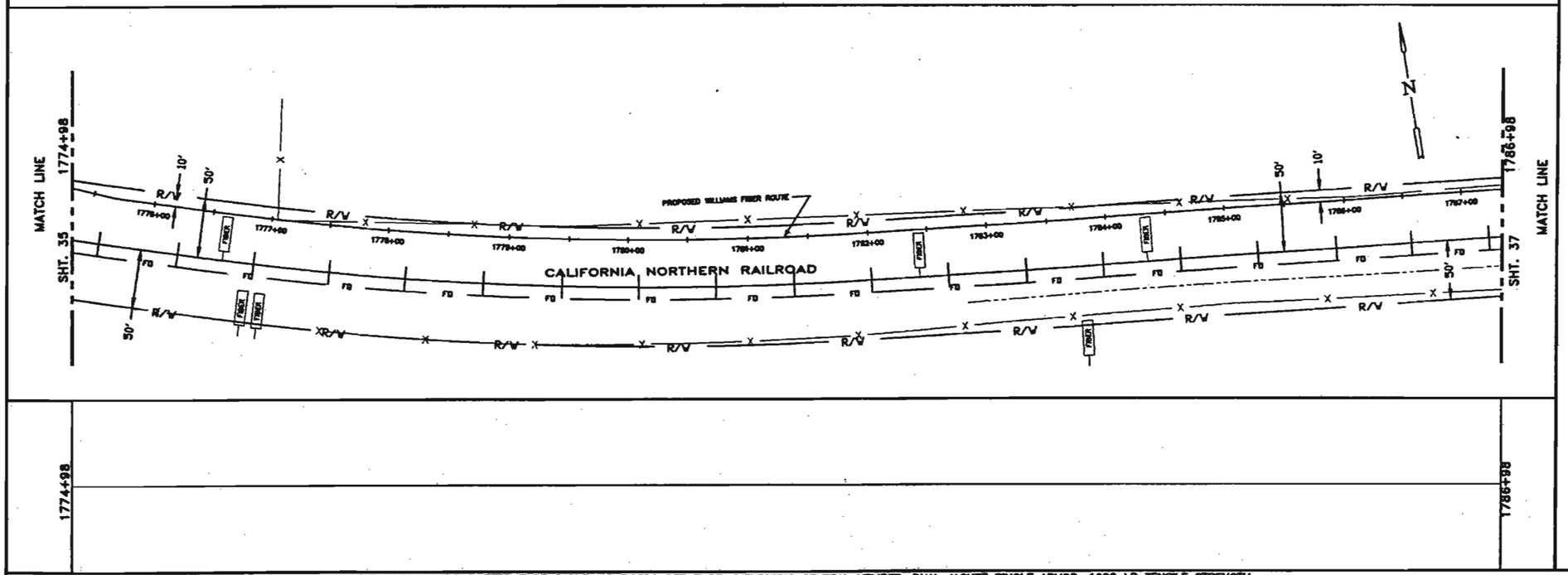
1774+74 65RT. CULVERT
1774+76 45RT. CL RR
1774+80 25RT. CULVERT
1774+88 60RT. SIGN
1774+91 84RT. DRIVEWAY
1774+93 68RT. CULVERT
1775+87 40RT. CL RR
1776+62 10RT. FIBER MARKER
1776+90 57RT. FIBER MARKER
1776+95 56RT. FIBER MARKER
1776+96 40RT. CL RR
1777+05 FENCE CORNER
1779+40 40RT. CL RR
1779+43 92RT. FENCE
1779+48 10LT. FENCE
1781+73 40RT. CL RR
1782+46 15RT. FIBER MARKER
1783+80 63RT. FIBER MARKER
1784+33 14RT. FIBER MARKER
1785+05 80RT. FENCE
1786+15 2' LT. FENCE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

LEGEND

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

1-800-382-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

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

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NNC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 36

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

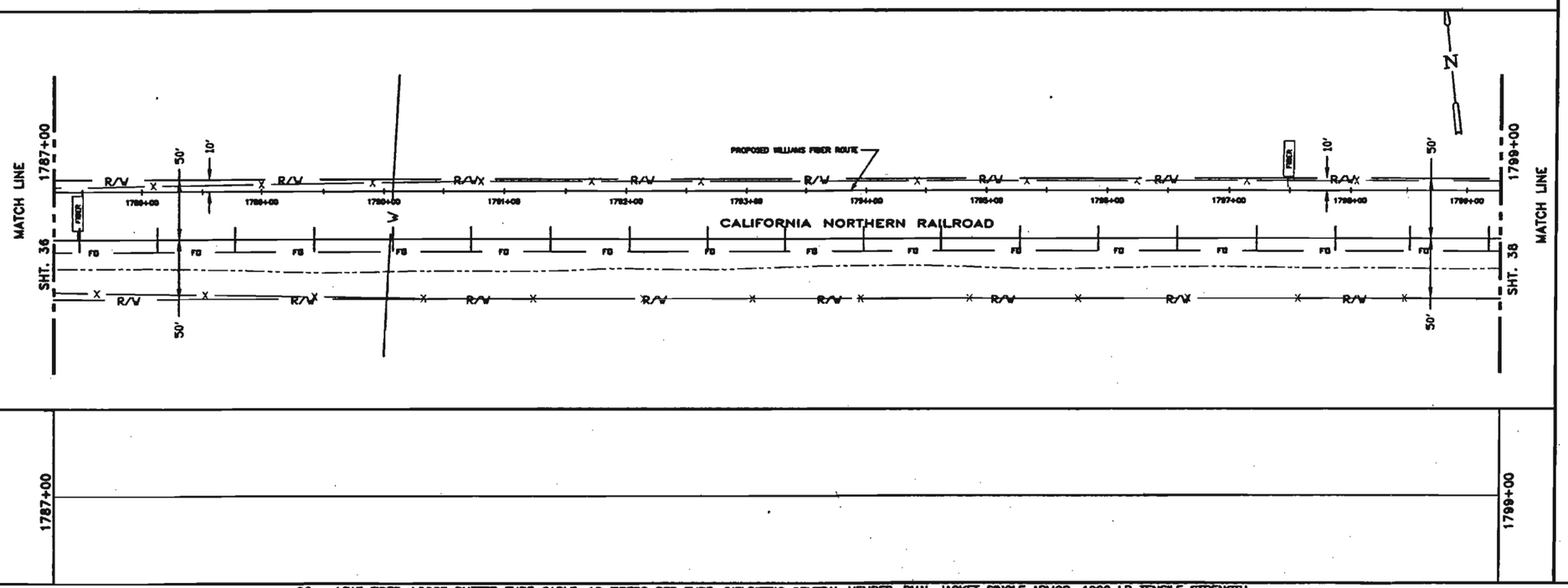
1787+46 23'RT. FIBER MARKER
1788+50 49'RT. FIBER OPTIC
1790+04 52'RT. WATER LINE
1790+05 50'RT. WATER LINE
1790+57 8' LT. FENCE
1790+67 36'RT. CL RR
1790+67 52'RT. FENCE
1795+51 40'RT. CL RR
1797+48 2' LT. FIBER MARKER

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

LEGEND

Interstate Hwy.
U.S. Hwy.
State Hwy.
County Road
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./Int.
Handhole Splice
Handhole
Manhole Splice
Manhole
SS Manhole
Power Pole
Water Valve / Meter
Gas Valve / Meter
Signal Pole
Fire Hydrant
Gas Marker
Oil Marker
Fiber Marker
Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 37

OWNERSHIP: CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1799+46 46'RT. FIBER OPTIC

1801+84 63'RT. CL DITCH
1801+85 92'RT. FENCE
1801+90 5' LT. FENCE

1804+97 15'RT. FIBER MARKER

1808+10 88'RT. FENCE
1808+16 9' LT. FENCE
1808+24 40'RT. CL RR

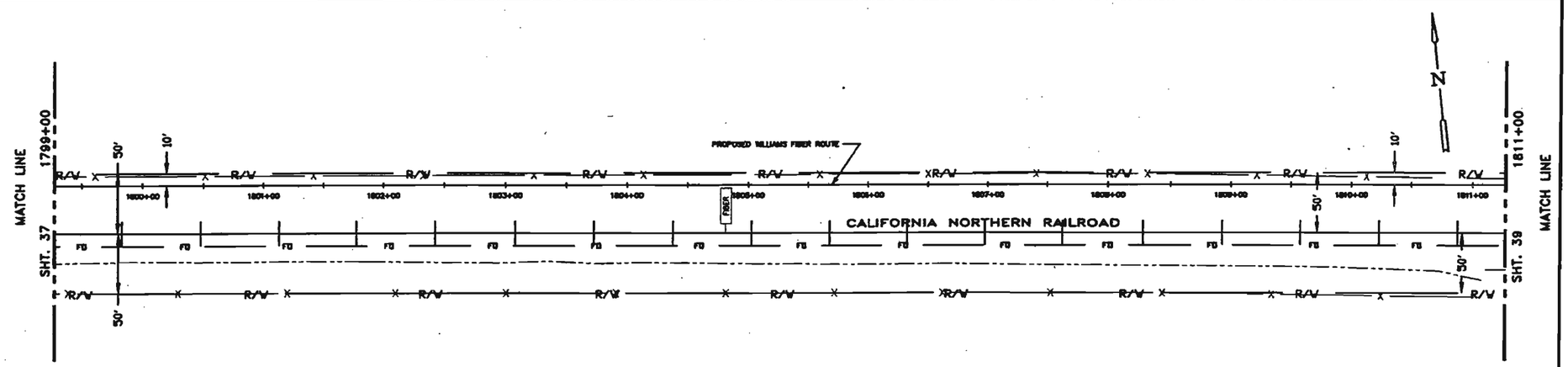
1811+01 93'RT. FENCE CORNER
1811+10 70'RT. FENCE CORNER

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1799+00 | 1811+00

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

REEL # N/A

N/A

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

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

LEGEND

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

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (PROF & PROP) : 1"=100'	
VERTICAL SCALE (PROP) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER : SHEET – 38	

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

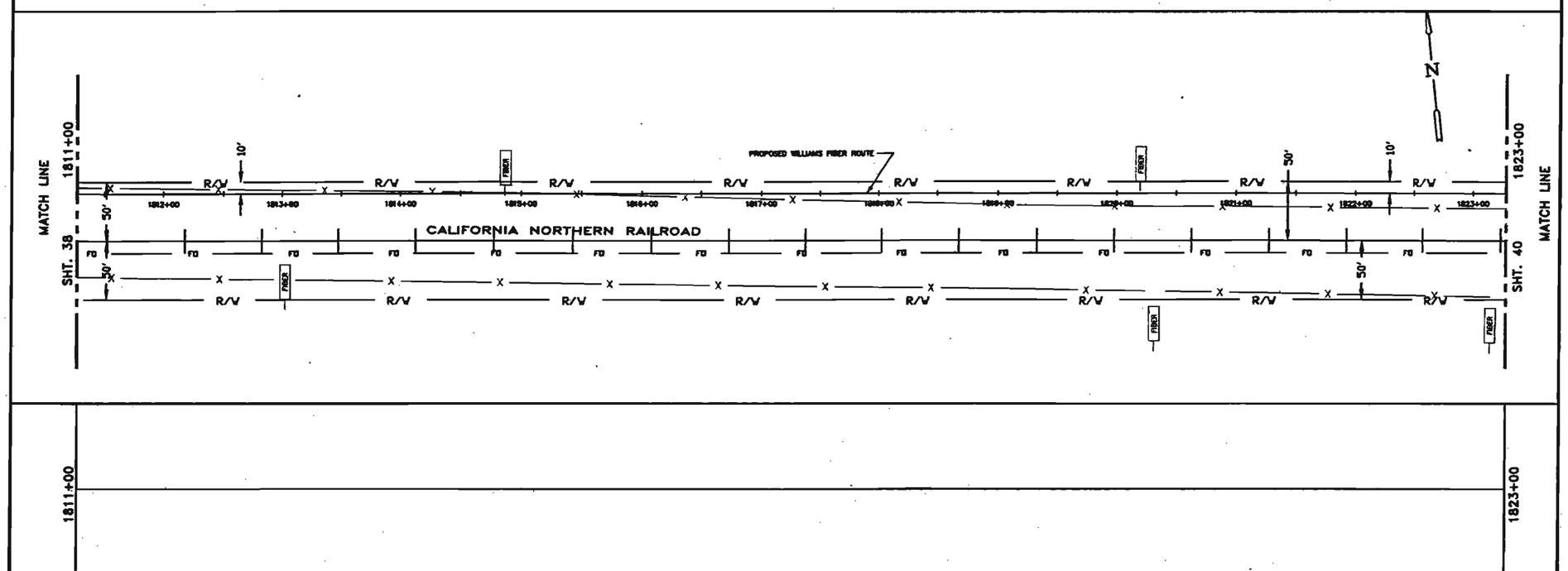
1813+02 60'RT. FIBER MARKER
1814+86 1' RT. FIBER MARKER
1819+28 81'RT. FENCE
1819+28 10'RT. FENCE
1819+28 39'RT. CL RR
1820+20 10'RT. FIBER MARKER
1820+33 56'RT. FIBER MARKER
1822+78 50'RT. FIBER OPTIC

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



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

REEL # N/A

N/A

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

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

LEGEND

- Interstate Hwy.
- U.S. Hwy.
- State Hwy.
- County Road
- RR Mile Mkr.
- Misc. Road Sign
- Non 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
- PL Peg 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

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1–888–945–2255

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : HHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (PLAN & PROF) : 1"=100'	
VERTICAL SCALE (PLAN) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 39

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1823+22 84'RT. FIBER MARKER
1823+37 75'RT. FIBER MARKER
1823+42 67'RT. FENCE CORNER
1823+47 77'RT. SIGN
1823+51 17'RT. CULVERT
1823+68 17'RT. CULVERT

1825+85 25'RT. CL CREEK
1825+87 MILE POST
1826+02 86'RT. BRIDGE

1826+35 65'RT. CL CREEK
1826+38 70'RT. FIBER OPTIC
1826+44 40'RT. CL RR
1826+52 35'RT. CL CREEK
1826+61 70'RT. FIBER OPTIC

1826+89 82'RT. BRIDGE
1826+90 84'RT. FIBER MARKER
1827+09 82'RT. FENCE

1827+35 50'RT. FIBER OPTIC

1828+78 57'RT. FIBER MARKER

1829+22 50'RT. FIBER OPTIC

1829+79 56'RT. FIBER MARKER
1829+84 57'RT. FIBER OPTIC
1829+84 54'RT. FIBER MARKER
1829+88 15'RT. RR MP

1830+77 16'RT. CL RR

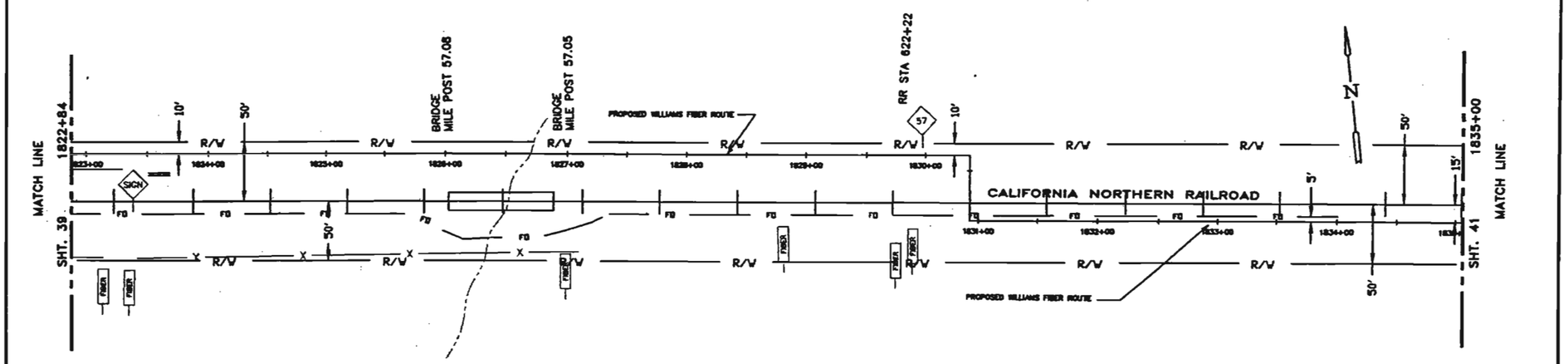
1834+00 15'LT. CL RR

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1822+84 | 1835+00

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH .
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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

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
- PL Pop Line and/or Walk Line
- Repeat Site
- P.O.P./Int.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9089

CAUTION

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

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

1-800-227-2600

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE
1	[illegible]	[illegible]	[illegible]

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4977 LOC. CODE :	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET - 40

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

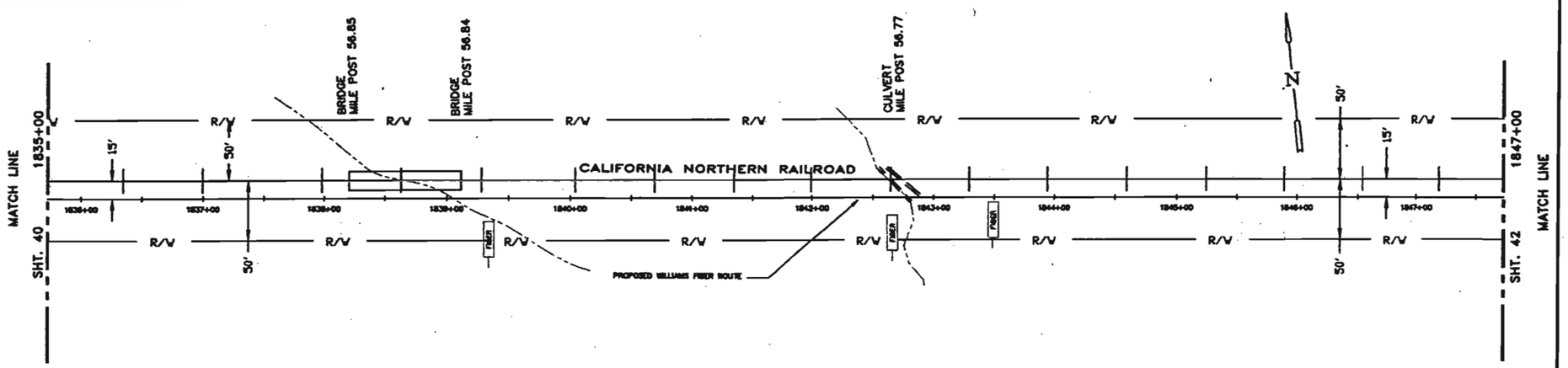
1835+38 29'LT. CULVERT
1835+38 5' LT. CULVERT
1838+20 22'LT. BRIDGE
1838+20 8' LT. BRIDGE
1838+42 16'LT. CL. CREEK
1839+91 12'LT. CL. CREEK
1839+11 22'LT. BRIDGE
1839+33 12'LT. FIBER MARKER
1839+41 14'LT. FENCE
1839+51 12'LT. WALL
1839+87 15'LT. CL. RR
1840+01 12'LT. WALL
1842+53 22'LT. CL. CREEK
1842+54 24'LT. CULVERT
1842+54 40'RT. FENCE
1842+61 24'LT. CULVERT
1842+65 25'RT. FIBER MARKER
1842+70 40'RT. CREEK
1842+75 3'LT. CL. CULVERT
1842+84 9' LT. LT. CULVERT
1842+87 6' LT. FLUME
1842+88 5' RT. FIBER MARKER
1843+46 40'RT. FENCE
1843+85

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1835+00 1847+00

96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

CABLE FIBER COUNT MFG. TYPE OF GLASS
CABLE REEL NO.
SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH
DUCT & TYPE (COND/SMOOTH/COLOR)
STEEL PIPE SIZE
PVC
FUTURE-2
FUTURE-3
FUTURE-4

CABLE DESCRIPTION
PIPE & DUCT PLACEMENT
FUTURE USE PLACE

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
PL Peg Line and/or White Line
Region Site
P.O.P./Int.
Handhole Splice
Handhole
Manhole Splice
Manhole
RR 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

1-800-582-8089

CAUTION

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

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1-800-227-2600

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

Communications Group
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NWC DATE : 08/25/00
CHECKED BY : MHW DATE : 08/29/00
APPROVED BY : DATE :
APPROVED BY : DATE :
APE : 4877 LOC. CODE :
HORIZONTAL SCALE (DWG & PROP) : 1"=100'
VERTICAL SCALE (DWG) :
VERTICAL SCALE (PROP) :
MAP PROJECTION :
DRAWING NUMBER : SHEET - 41

OWNERSHIP | CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

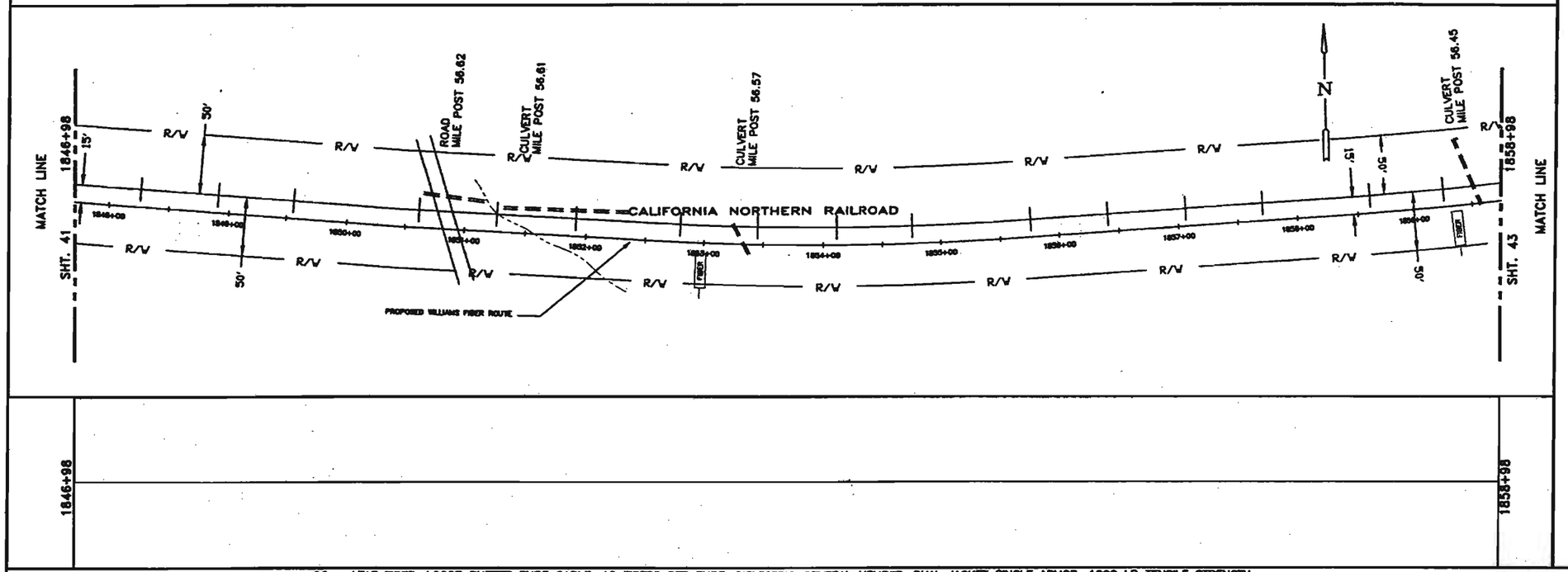
1850+44	15'LT. CL RR
1850+64	29'LT. CULVERT
1850+76	30'LT. DRIVEWAY
1850+81	14'LT. CL RR
1851+14	25'LT. CULVERT
1851+23	27'LT. CL CREEK
1851+31	20'LT. CULVERT
1851+73	8' RT. CL CREEK
1852+34	22'LT. CULVERT
1852+57	15'LT. CL RR
1852+80	4' RT. COMM. MH
1852+98	13'RT. FIBER MARKER
1853+23	17'LT. CULVERT
1853+37	8' RT. CULVERT
1855+48	15'LT. CL RR
1858+48	15'LT. CL RR

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)

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

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
- PL Peg Line and/or White Line
- Pagers Site
- P.G.P./Int.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- SS Manhole
- Power Pole
- Meter 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
1-888-943-2255

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

1-800-227-2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : MHC	DATE : 08/25/00
CHECKED BY : MRW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PRINT) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PRINT) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 42

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1858+34 5' RT. FIBER MARKER
1858+38 56'LT. CULVERT
1858+57 1' RT. CULVERT

1860+27 2' RT. FIBER MARKER

1863+18 21'RT. FIBER MARKER
1863+18 49'LT. FENCE

1863+46 5' RT. FIBER MARKER
1863+47 35'RT. FENCE

1863+97 14'LT. CL RR
1864+04 14'RT. CULVERT
1864+05 38'LT. CULVERT
1864+20 14'LT. CL RR
1864+38 64'LT. FENCE

1865+51 15'LT. CL RR

1868+76 4' RT. FIBER MARKER
1868+86 15'LT. CL RR

1868+83 15'LT. CL RR

1869+63 18'LT. POLE

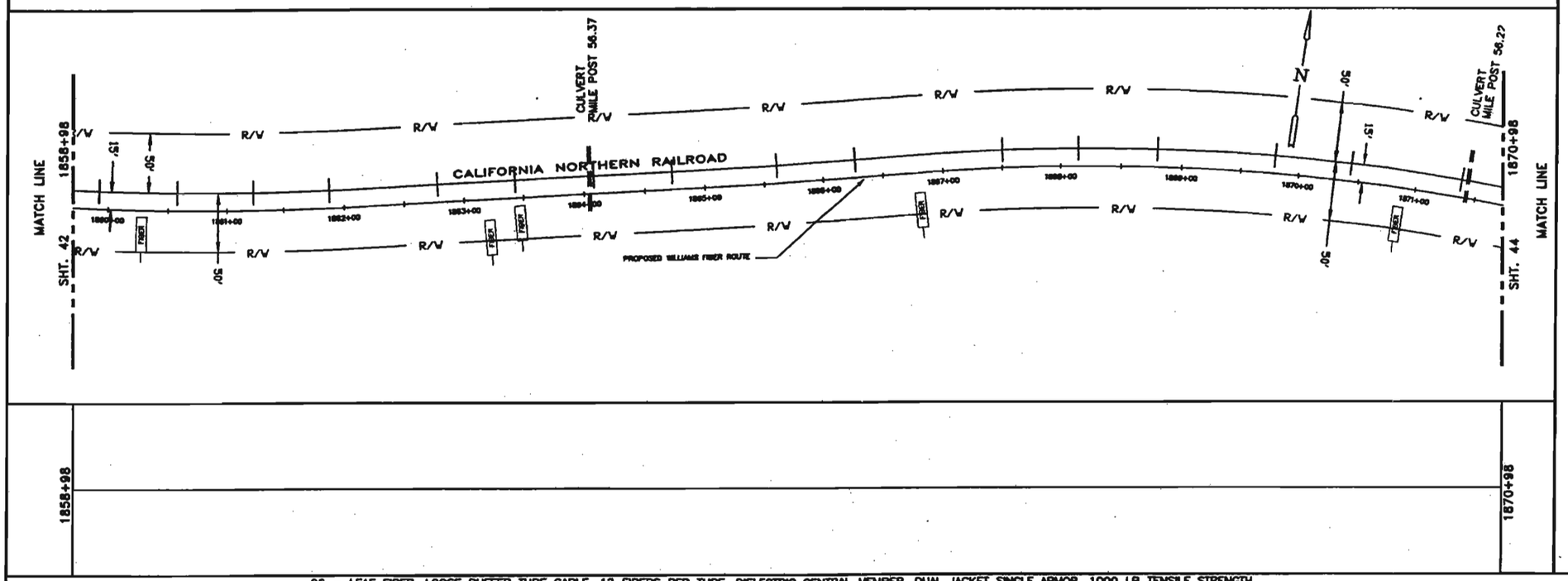
1870+78 15'LT. CL RR
1870+86 10'RT. FIBER MARKER

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1858+98 | 1870+98

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

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
- PL Peg Line and/or White Line
- Region Site
- P.G.P./Jct.
- Handhole Splice
- Handhole
- Manhole Splice
- Manhole
- RR Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : HHC	DATE : 08/23/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4677	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=40'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 43

OWNERSHIP: CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

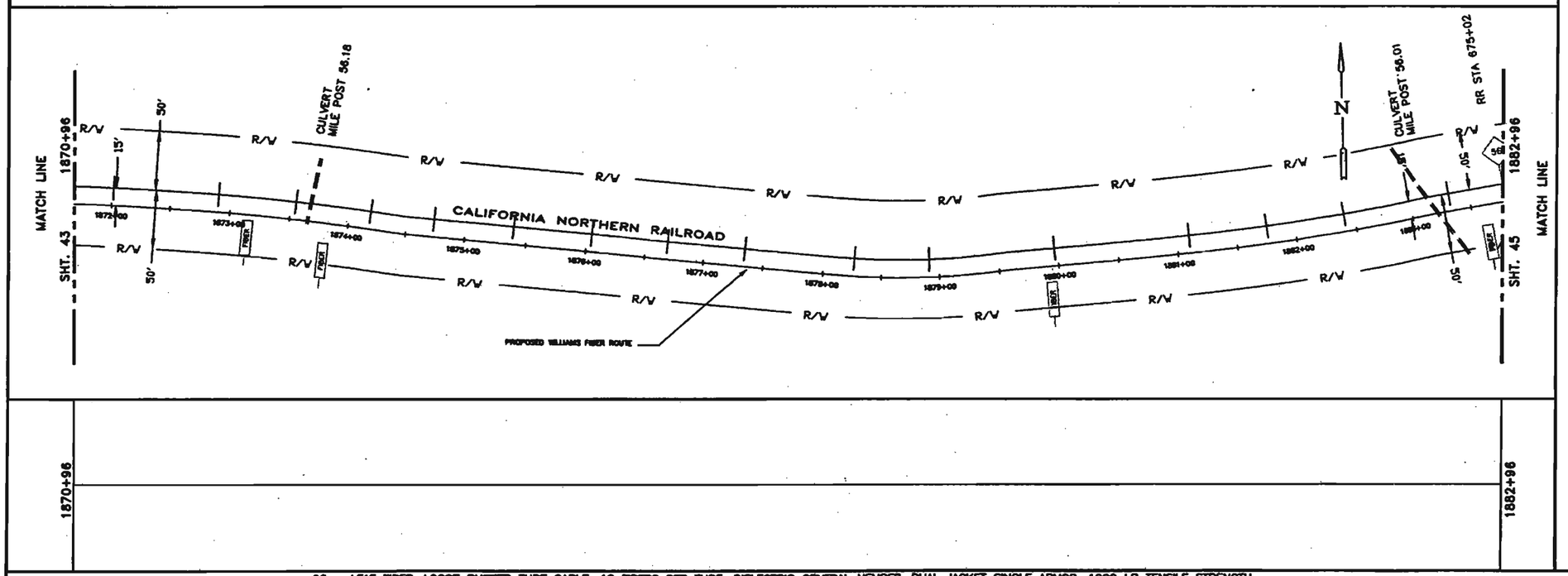
1871+40 40'LT. CULVERT
1871+42 3' RT. CULVERT
1872+10 15'LT. CL RR
1873+15 6' RT. FIBER MARKER
1873+65 2' RT. CULVERT
1873+68 64'LT. FENCE
1873+70 53'LT. CULVERT
1873+78 6' RT. FIBER MARKER
1874+49 15'LT. CL RR
1875+46 1' LT. FIBER OPTIC
1877+90 26'LT. RETAINING WALL
1878+05 28'LT. RETAINING WALL
1878+08 15'LT. CL RR
1878+33 29'RT. FENCE
1878+67 MILE POST
1879+89 22'RT. FIBER MARKER
1880+85 15'LT. CL RR
1882+08 36'RT. FENCE
1882+91 61'LT. CULVERT
1883+04 6' LT. FIBER OPTIC

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



96 - LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH	CABLE FIBER COUNT MFG. TYPE OF GLASS
REEL # N/A	CABLE REEL NO.
N/A	SPLICE TO SPLICE CABLE LENGTH & COIL LENGTH
1200' 1-1.5" ID HDPE, 1-1.5" ID HDPE (SPARE), 1-1.25" ID HDPE (SPARE)	SUBDUCT & TYPE (CORR/SMOOTH/COLOR)
	STEEL PIPE SIZE
	PVC
	FUTURE-2
	FUTURE-3
	FUTURE-4

CABLE DESCRIPTION

PIPE & SUBDUCT PLACEMENT

FUTURE USE PLACE

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 Flag Line and/or White Line
- Region Site
- P.O.P./Int.
- Handhole Splice
- Handhole
- Handhole Splice
- Handhole
- SB Handhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1-800-582-9069

CAUTION

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

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

1-800-227-2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	
DRAWING NUMBER : SHEET - 44	

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

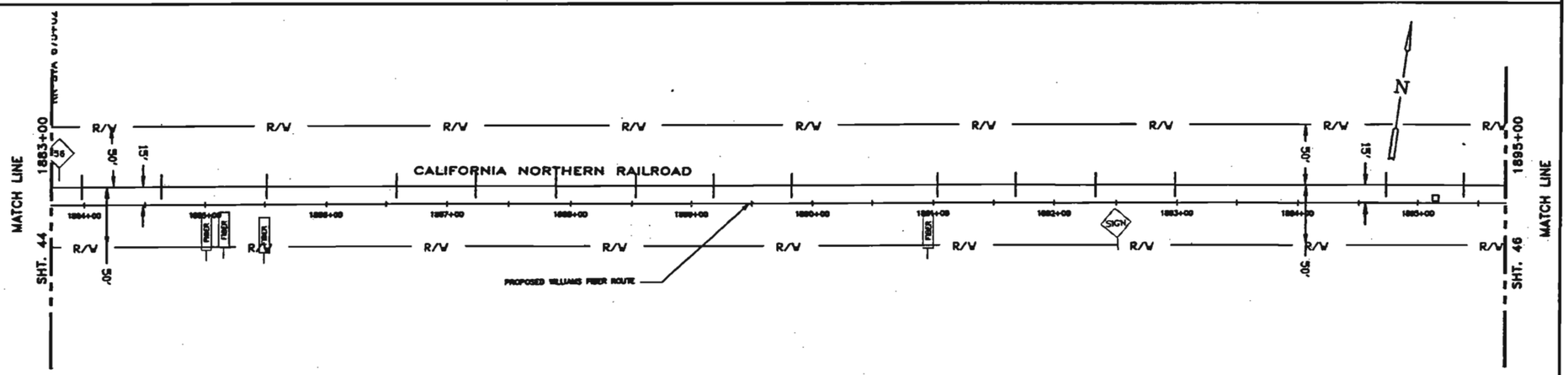
1883+41 30'RT. CULVERT
1883+53 3' RT. FIBER MARKER
1883+75 41'LT. RR MP
1883+90 61'LT. FENCE
1885+06 6' RT. FIBER MARKER
1885+12 6' RT. FIBER MARKER
1885+48 21'RT. FIBER MARKER
1886+18 30'RT. FENCE
1886+21 4' LT. FIBER OPTIC
1886+23 15'LT. CL RR
1886+45 67'LT. FENCE
1890+67 65'LT. FENCE
1890+73 4' LT. FIBER OPTIC
1890+77 32'RT. FENCE
1890+84 25'RT. FIBER MARKER
1892+47 SIGN
1893+83 15'LT. CL RR
1895+10 4' LT. UTILITY BOX

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1883+00 | 1895+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

LEGEND

Interstate Hwy.
U.S. Hwy.
State Hwy.
County Road
RR Mile Mkr.
Misc. Road Sign
Raw 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 Flag Line and/or White Line
Region Site
P.O.P./Int.
Handhole Splice
Handhole
Manhole Splice
Manhole
SB 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
1–888–943–2255

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

1–800–227–2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NWC	DATE : 08/23/99
CHECKED BY : MHW	DATE : 08/23/99
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PRINT) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PRINT) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 45

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

1895+84 29'RT. FIBER MARKER
1895+98 35'RT. FENCE

1898+85 35'LT. FIBER OPTIC
1898+88 4' LT. FIBER OPTIC

1899+37 15'LT. CL RR

1901+06 15'LT. CL RR
1901+07 28'LT. FIBER MARKER

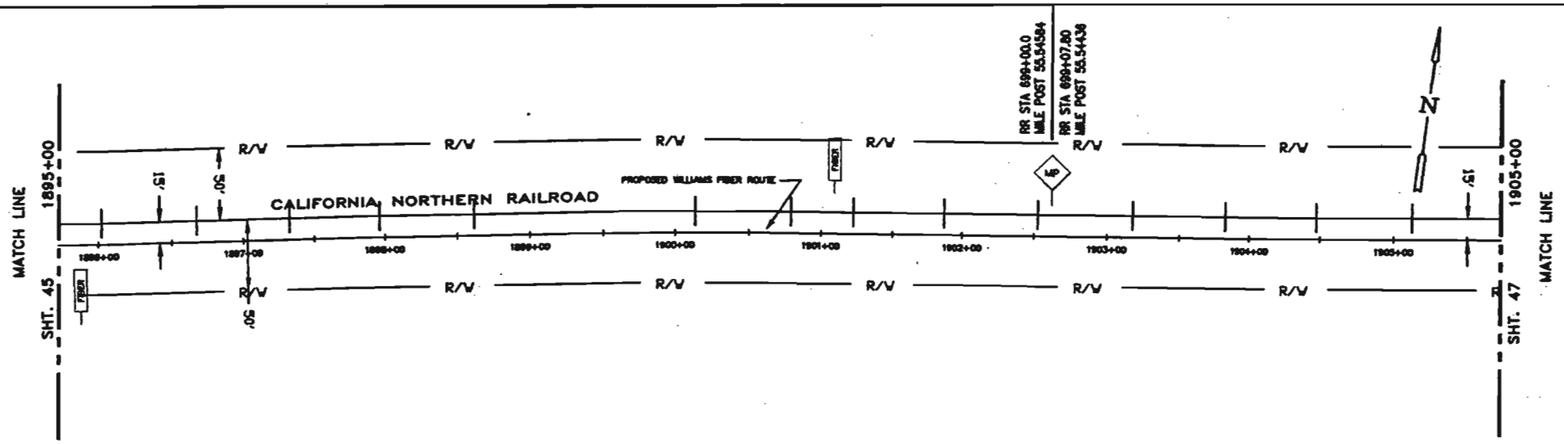
1902+64 MILE POST
1902+83 6' LT. FIBER OPTIC

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1895+00 | 1905+00

96 – LEAF FIBER, LOOSE BUFFER TUBE CABLE, 12 FIBERS PER TUBE, DIELECTRIC CENTRAL MEMBER, DUAL JACKET SINGLE ARMOR, 1000 LB TENSILE STRENGTH
REEL # N/A
N/A
1200' 1–1.5" ID HDPE, 1–1.5" ID HDPE (SPARE), 1–1.25" ID HDPE (SPARE)

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

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
- Bluff/Shoreline
- 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
- PL Peg Line and/or White Line
- Region Site
- P.O.P./Int.
- Handhole Spline
- Handhole
- Manhole Spline
- Manhole
- 36 Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Meter Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9089

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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

PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
AFE : 4877	LOC. CODE :
HORIZONTAL SCALE (DWG & PRINT) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PRINT) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 46

OWNERSHIP

CALIFORNIA NORTHERN RAILROAD

FIBER STATIONING

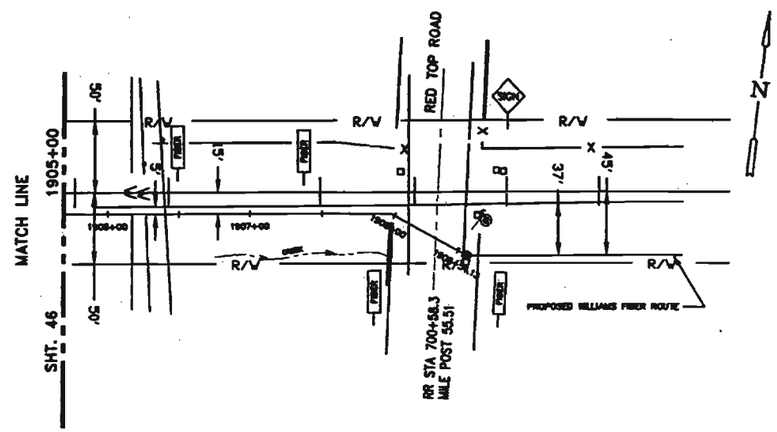
1905+89	5' LT. FIBER OPTIC
1906+16	WATER LINE
1906+16	25'LT. WATER LINE
1906+25	29'LT. WATER LINE
1906+25	35'LT. VENT
1906+26	1' RT. WATER LINE
1906+31	46'LT. FENCE
1906+36	33'LT. GAS LINE
1906+38	52'LT. VENT
1906+40	GAS LINE
1906+41	FIBER MARKER
1907+37	37'LT. FIBER MARKER
1907+57	49'LT. FENCE
1907+77	5' LT. FIBER OPTIC
1907+97	FIBER MARKER
1908+00	5' RT. HEADWALL
1908+10	1' LT. ECP
1908+13	80'LT. ECP
1908+14	85'LT. SIGN
1908+17	25'LT. CLR. RR
1908+28	54'LT. ECP
1908+28	70'LT. FENCE CORNER
1908+45	17'LT. ECP
1908+45	62'LT. UTILITY BOX
1908+49	25'LT. GATE
1908+50	64'LT. UTILITY BOX
1908+53	30'LT. GUY WIRE

ROAD STATIONING

← POINT ARENA

NAPA COUNTY
CALIFORNIA

SACRAMENTO →



1905+00

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

REEL # N/A

N/A

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

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

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
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- Power Line
- Water Line
- San. Sewer
- Storm Drain
- Telephone Line
- B.L.P. Black Iron Pipe
- G.L.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./Int.
- Handhole Spline
- Handhole
- Manhole Spline
- Manhole
- SS Manhole
- Power Pole
- Water Valve / Meter
- Gas Valve / Meter
- Signal Pole
- Fire Hydrant
- Gas Marker
- Oil Marker
- Fiber Marker
- Water Inlet

WILLIAMS

EMERGENCY NOTIFICATION NUMBER

1–800–582–9069

CAUTION

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

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

1–800–227–2600

DRAWING DISCLAIMER

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PRELIMINARY

REVISIONS

REV. NO.	DESCRIPTION	BY	DATE

COMMUNICATIONS GROUP
Network Services

POINT ARENA TO SACRAMENTO CABLE ROUTE

DRAWN BY : NHC	DATE : 08/25/00
CHECKED BY : MHW	DATE : 08/29/00
APPROVED BY :	DATE :
APPROVED BY :	DATE :
APE : 4877 LOC. CODE :	
HORIZONTAL SCALE (DWG & PROF) : 1"=100'	
VERTICAL SCALE (DWG) :	
VERTICAL SCALE (PROF) :	
MAP PROJECTION :	

DRAWING NUMBER : SHEET – 47