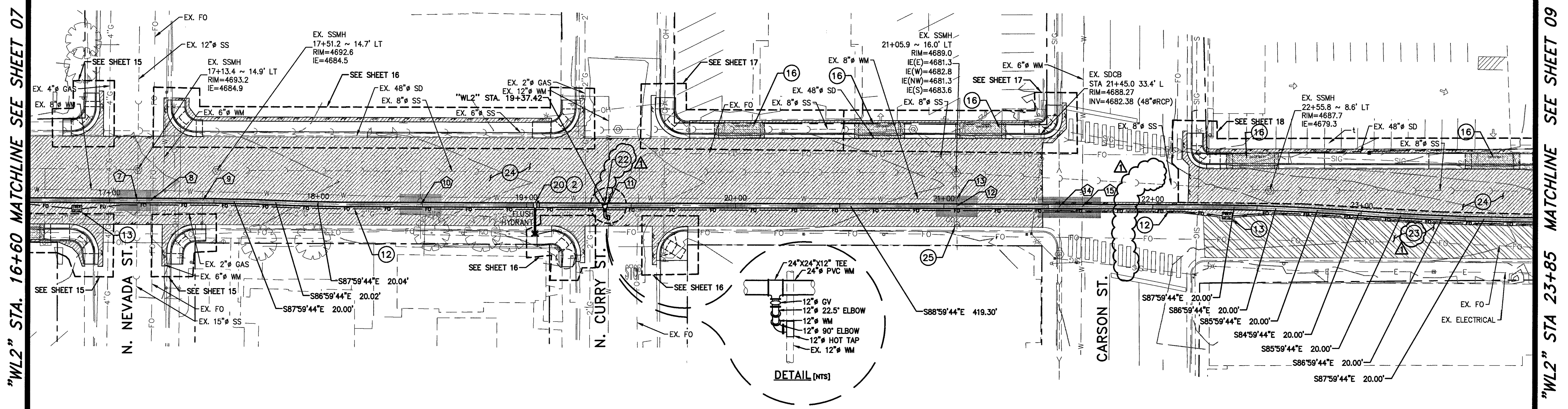


**CONSTRUCTION NOTES:**

1. FURNISH & INSTALL 24" AWWA PVC C905, DR-25, 165 PSI BELL & SPIGOT PVC WATER MAIN PER MODIFIED STD DRAWING C-1.2.1. JOINT RESTRAINTS FOR PVC PIPE SHALL BE USED ON ALL FITTINGS, AND AT SPECIFIC LOCATIONS WHERE IDENTIFIED ON THE PLANS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. INSTALL 24" BUTTERFLY VALVE PER DETAIL 1, SHEET 22, WITH NUT EXTENDER TO EXTEND TOP OF NUT TO BETWEEN 18" TO 24" FROM TOP OF VALVE BOX. [CARSON CITY PUBLIC WORKS TO PROVIDE]
3. FURNISH & INSTALL LINE LOCATION BOX & LID PER STD DRAWINGS C-1.2.2. & C-1.2.3, AT ALL HORIZONTAL BEND LOCATIONS, UNLESS A WATER VALVE BOX IS AT SAME LOCATION.
4. FURNISH & INSTALL 24" AWWA C110 22.5" ELBOW (MECHANICALLY RESTRAINED JOINTS).
5. FURNISH & INSTALL 24" x 24" x 6" TEE (FL X FL X FL), W/ 24" MECHANICALLY RESTRAINED FLANGE COUPLING ADAPTERS, AND FIRE HYDRANT (BLOWOFF) ASSEMBLY PER DETAIL 6, SHEET 22.
6. FURNISH & INSTALL CATCH BASIN PER DETAIL, SHEET 24
7. POTHOLE TO VERIFY EXACT DEPTH AND/OR MAKE & MATERIAL
8. WATER MAIN CROSSING EXISTING UTILITY PER STD DRAWINGS C-3.1.8 & C-3.1.9
9. PROVIDE "SPECIAL CONSTRUCTION" MITIGATION TO AFFECTED LINES AS REQUIRED PER "WATER/SEWER SEPARATION GUIDELINES." INSTALL MECHANICAL JOINT RESTRAINTS PER MANUFACTURER RECOMMENDATIONS.
10. FURNISH & INSTALL 24" AWWA C110 45° ELBOW (FL X FL) W/ 24" MECHANICALLY RESTRAINED FLANGE COUPLING ADAPTERS & LINE LOCATION RISER PER STD DRAWING C-1.2.3.
11. CONSTRUCT PERMANENT PAVING PATCH PER STD DRAWING C-5.1.6. LIMITS OF FULL DEPTH SAWCUT AND REMOVAL OF EXISTING AC PAVEMENT.
12. FURNISH & INSTALL THREE 4" SGH40, PVC CONDUITS WITH PULL ROPE PER MODIFIED STD DWG C-1.2.1. LARGE RADIUS (36" MIN) SWEEPS ONLY, ENCASE WITH 6" OF CONCRETE AS REQUIRED. [ALIGNMENT SHOWN UTILIZING 11.25' SWEEPS.]
13. FURNISH & INSTALL 3048 FIBER VAULT WITH H2O TRAFFIC RATED, BOLT DOWN, STEEL COVER MARKED "FIBER OPTIC" PER DETAIL 7, SHEET 23 (OR APPROVED EQUAL).
14. FURNISH & INSTALL 24" MECHANICALLY RESTRAINED BLIND FLANGE, AND CAP AND SEAL FIBER CONDUIT AT PROJECT EXTENT FOR FUTURE CONNECTION.
15. CONSTRUCT PCC CURB AND GUTTER TYPE 1 (MODIFIED), PER STD. DRAWING C-5.1.3 (MOD).
16. CONSTRUCT PCC DRIVEWAY APRON TYPE 1 (MODIFIED), PER DETAIL ON SHEET 24
17. CONSTRUCT TYPE 'A' SIDEWALK PER STD. DRAWING C-5.2.2. (WIDTH PER PLAN)
18. CONSTRUCT PARALLEL CURB RAMP APEX (MODIFIED), PER STD. DRAWING C-5.3.5 (MOD).
19. PROTECT-IN-PLACE
20. FURNISH & INSTALL 24" x 24" x 6" TEE (FL X FL X FL), W/ 24" MECHANICALLY RESTRAINED FLANGE COUPLING ADAPTERS, AND 6" GATE VALVE AND 6" LATERAL, PER STD. DRAWINGS C-3.1.7 AND C-3.1.7.1.
21. FURNISH & INSTALL 24" x 24" x 16" x 16" CROSS (FL X FL X FL X FL), W/ MECHANICALLY RESTRAINED FLANGE COUPLING ADAPTERS, 16" AWWA C905-DR25 PVC PIPE, 16" BUTTERFLY VALVES (FL & MR), W/ MECHANICALLY RESTRAINED FLANGE COUPLING ADAPTERS, AND 16" MECHANICALLY RESTRAINED BLIND FLANGES.
22. FURNISH & INSTALL 24" x 24" x 12" TEE (FL X FL X FL), W/ MECHANICALLY RESTRAINED FLANGE COUPLING ADAPTERS, 12" ELBOWS, 12" AWWA C900 DR18 PVC PIPE, 12" HOT TAP.
23. 1" MILL AND OVERLAY TYPE 3 AC 20P.
24. 4" PLANTING BITUMINOUS PAVEMENT TYPE 2 AGGREGATE, PG 64-28 NV W/ 8" TYPE 2 AGG. BASE.
25. FURNISH & INSTALL SANITARY SEWER CLEANOUT PER STD DWG C-2.2.3.
26. -----

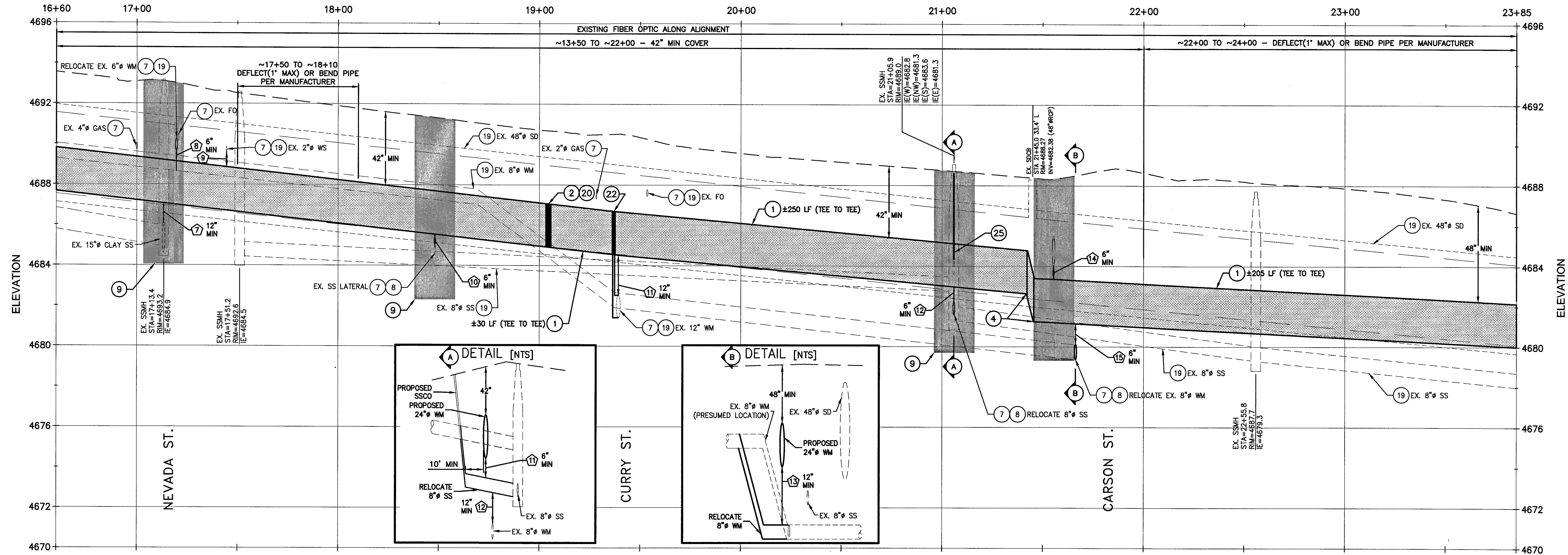
UTILITY CROSSING TABLE			
CROSSING #	STATION	BOTTOM OF PIPE	TOP OF PIPE
7	"WM2" 17+13+29	24" PVC WM = 4687.0	15" CLAY SS = 4686.1
8	"WM2" 17+19+65	8" WM = 4689.7	24" PVC WM = 4689.1
9	"WM2" 17+44+59	2" WM = 4689.6	24" PVC WM = 4689.7
10	"WM2" 18+49+12	24" PVC WM = 4685.6	4" PVC SS LAT = 4684.9
11	"WM2" 19+39+16	24" PVC WM = 4684.5	12" WM = 4682.5
12	"WM2" 21+06+11	24" PVC WM = 4683.0	8" STEEL SS = 4682.2
13	"WM2" 21+06+11	8" STEEL SS = 4681.8	8" PVC WM = 4680.9
14	"WM2" 21+55+29	15" RCP SD = 4683.81	24" PVC WM = 4683.31
15	"WM2" 21+66+18	24" PVC WM = 4682.4	8" WM = 4680.1

ELEVATIONS SHOWN ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND SURVEY INFORMATION. ALL EXISTING UTILITIES SHALL BE VERIFIED.



## WASHINGTON ST. WATERLINE "WL2"

"WL2" 16+60.00 TO "WL2" 23+85.00



SCALE  
HORIZ: 1" = 30'

Call before you Dig  
Avoid cutting underground utility lines. It's costly.

**811**  
OR  
1-800-227-2600

<p><b>CARSON CITY PUBLIC WORKS DEPARTMENT</b> 3505 BUTTE WAY CARSON CITY, NEVADA 89701 PH: 897-8595</p>	<p><b>Manhard CONSULTING LTD.</b> 3476 Executive Pointe Way, Suite 12 Carson City, NV 89706 PH: (775) 882-5630</p>	<p>PROJ. MGR.: CAP PROJ. ASSOC.: JFB CHECKED BY: CAP DWG NO.: CCA/CON/22.01 SCALE (HORIZ): 1" = 30' SCALE (VERT): 1" = 3' PLOT DATE: JUNE 2015</p>					
<p>PROFESSIONAL ENGINEER STATE OF NEVADA CHRISTOPHER ALAN PETERSON Exp. 12/31/15 CIVIL No. 16143 08/11/2015</p>							
<p>REV. DATE DESCRIPTION BY APP. CAP</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>1</td> <td>20150810</td> <td>REMOVE 16" CROSS &amp; PVC PIPE + REMOVE REV</td> <td>CAP</td> <td>CAP</td> </tr> </table>			1	20150810	REMOVE 16" CROSS & PVC PIPE + REMOVE REV	CAP	CAP
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<p><b>EAST/WEST WATER TRANSMISSION MAIN</b> PHASE 2A-2 PROJECT No: 1415-130 WASHINGTON STREET PLAN AND PROFILE STA 16+60 TO STA 23+85</p>							
<p>SHEET <b>08</b> OF <b>24</b></p>							
<p>PROJECT No. 1415-130 100% SUBMITTAL</p>							