WEST EIGHTH STREET SEWER REPLACEMENT PROJECT

MINNESOTA TO CURRY STREET

CARSON CITY, NEVADA - SECTION 17, T15N, R20E

PROJECT 05-1403.4

BOARD OF SUPERVISORS

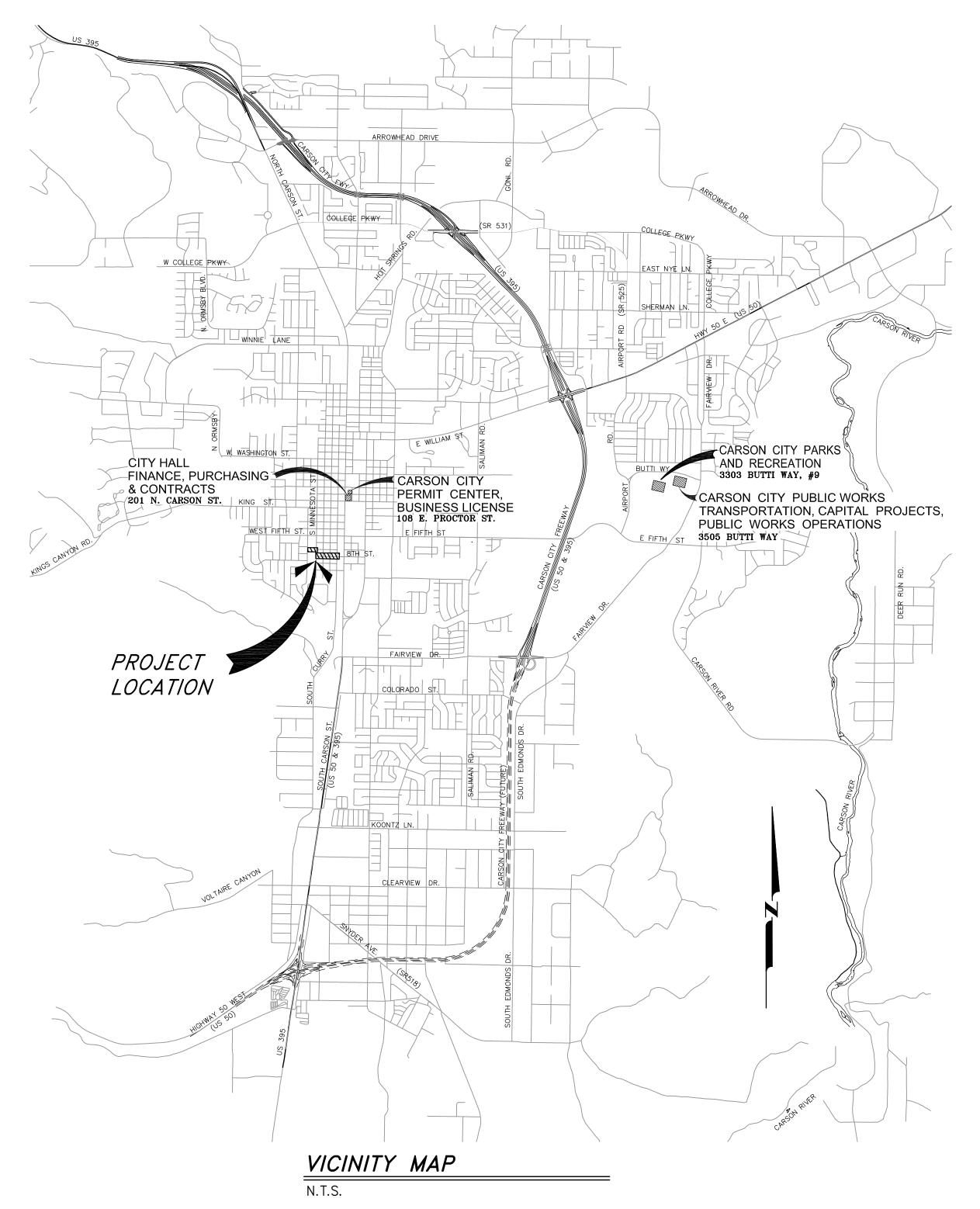
Robert L. Crowell
Brad Bonkowski
Supervisor
Karen Abowd
Supervisor
Lori Bagwell
Jim Shirk
Supervisor
Supervisor
City Clerk

DESIGNED FOR:

CARSON CITY PUBLIC WORKS DEPARTMENT 3505 BUTTI WAY CARSON CITY, NV 89701 (775) 887-2355

GENERAL NOTES:

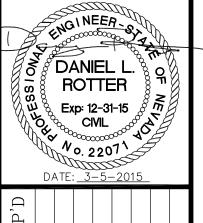
- 1. ALL WORK SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (SSPWC) AND THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" (SDPWC) AS ADOPTED BY CARSON CITY. THE CONTRACTOR SHALL OBTAIN A PERMIT FOR PUBLIC WORKS CONSTRUCTION FROM THE CARSON CITY PERMIT CENTER PRIOR TO THE START OF CONSTRUCTION.
- 2. ALL TRAFFIC CONTROL AND BARRICADING WITHIN THE CARSON CITY RIGHT—OF—WAY SHALL CONFORM TO SECTION 100.33, 332.04 AND 332.05 OF THE STANDARD SPECIFICATIONS, PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND THE UNR T2 CENTER, TEMPORARY TRAFFIC CONTROL GUIDELINES LATEST EDITION. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CARSON CITY ENGINEERING DIVISION PRIOR TO ANY STREET CLOSURES.
- 3. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT "CALL BEFORE YOU DIG" (811) OR (1-800-227-2600) AT LEAST TWO (2) WORKING DAYS PRIOR TO START OF CONSTRUCTION AND COMPLY WITH THE REQUIREMENTS OF NRS AND NAC 455 THROUGHOUT THE COURSE OF THE WORK, SEWER SERVICE LATERALS ARE NOT OWNED OR MARKED BY CARSON CITY
- 4. THE CONTRACTOR SHALL CALL THE CARSON CITY ENGINEERING DIVISION (887–2300) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL ONE (1) WORKING DAY PRIOR TO REQUIRED INSPECTIONS AND TESTING. THE REQUIRED INSPECTIONS AND TESTING ARE LISTED ON THE INSPECTION RECORD ISSUED WITH EACH PERMIT. THE CONTRACTOR MUST HAVE THE PERMIT NUMBER AND THE DESCRIPTION LISTED ON THE INSPECTION RECORD TO SCHEDULE REQUIRED INSPECTIONS AND TESTING. FOR CITY CONTRACTED PROJECTS, THE CONTRACTOR SHALL SCHEDULE INSPECTIONS PER THE CONTRACT DOCUMENTS.
- 5. FINAL INSPECTIONS WILL BE PERFORMED BY CARSON CITY ENGINEERING DIVISION ACCORDING TO THE CARSON CITY INSPECTIONS AND TESTING PROCEDURES. NOTE: THESE PROCEDURES REQUIRE SUBMITTAL OF RECORD DRAWING PRINTS BY THE CONTRACTOR AND 10 WORKING DAYS TO PREPARE A FINAL PUNCH LIST. ALL CONDITIONS OF THE FINAL INSPECTION MUST BE COMPLETED PRIOR TO FINAL ACCEPTANCE OR ANY APPROVAL OF A CERTIFICATE OF OCCUPANCY BY THE CARSON CITY ENGINEERING DIVISION.
- 6. MODIFICATIONS TO THE APPROVED PLANS REQUIRES REVIEW AND APPROVAL BY THE CARSON CITY ENGINEERING DIVISION. WORK PERFORMED WITHOUT WRITTEN APPROVAL BY CARSON CITY ENGINEERING WILL REQUIRE REMOVAL AT THE CONTRACTORS EXPENSE.
- 7. THE APPROVED PLAN, PERMIT AND INSPECTION RECORD MUST BE ON THE JOB SITE AT ALL TIMES.
- 8. PLAN APPROVAL FOR SEWER AND WATER CONSTRUCTION SHALL EXPIRE ONE YEAR FROM DATE OF APPROVAL UNLESS CONSTRUCTION HAS BEEN INITIATED. (CCMC 12.06.180F, 12.01.140D)
- 9. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR ACQUIRING A STORMWATER DISCHARGE PERMIT FROM THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP) INCLUDING DEVELOPING, SUBMITTING AND IMPLEMENTING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL DEVELOP, PLACE AND MAINTAIN STORM WATER PROTECTION DEVICES IN COMPLIANCE WITH THE NEVADA CONTRACTORS FIELD GUIDE FOR CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (JUNE 2008).
- 10. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO VERIFY THESE LOCATIONS AT THE PROPOSED POINTS OF CONNECTIONS AND IN AREAS OF POSSIBLE CONFLICT WITH NEW UTILITY INSTALLATION, PRIOR TO BEGINNING CONSTRUCTION. POTHOLING IS REQUIRED. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES BETWEEN THE CONDITIONS EXISTING IN THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS, HE SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- 11. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF PROPER SHORING OF TRENCHES IN ACCORDANCE WITH OCCUPATIONAL SAFETY LAWS. THE DUTIES OF THE ENGINEER DO NOT INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY IN, ON, OR NEAR THE CONSTRUCTION SITE.
- 12. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
- 13. ALL PVC WATER PIPELINES ARE TO BE DISINFECTED ACCORDING TO AWWA STANDARD C651 PER NAC 445A.67145 (6)(α) AND PRESSURE TESTED ACCORDING TO AWWA STANDARD C605 PER NAC 445A.67145 (7)(b).



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<i>C3</i>	WEST EIGHTH STREET PLAN & PROFILE
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PUBLIC WORKS D
3505 BUTTI WAY CARSON CI
PH: 887-2355



WEST EIGHTH STREET
ER REPLACEMENT PROJECT
PROJECT No. 05-1403.4
TITLE SHEET

SHEET

G1

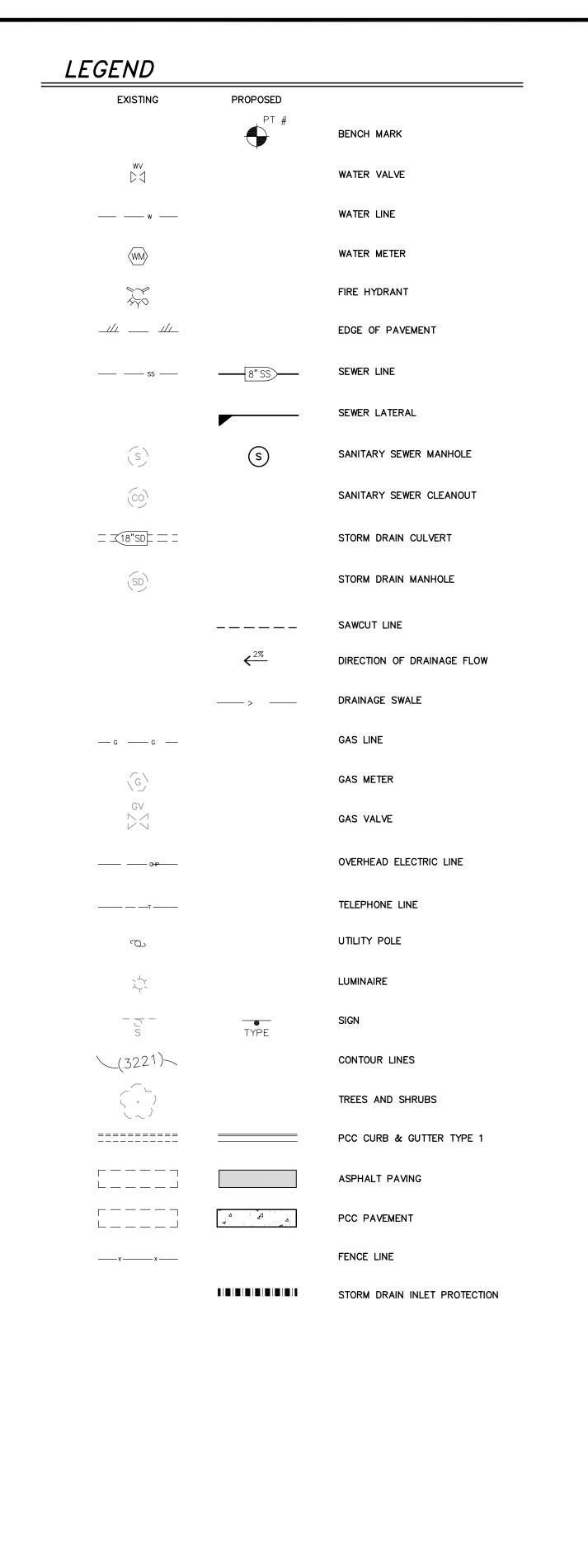
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Call before you Dig
Avoid cutting underground
utility lines. It's costly.

OR
1-800-227-2600

PERMIT NO. XX-XXXX



ABBREVIATIONS

MANHOLE

MINIMUM

OHE

PCC

PRC

PΤ

PVC

RCP

RT

PVMT

MISCELLANEOUS

NOT TO SCALE

OVERHEAD ELECTRIC

POINT OF CURVATURE

POINT OF TANGENCY

POLYVINYL CHLORIDE

PAVEMENT

RIGHT

FLOW (CFS)

BY CARSON CITY PUBLIC WORKS.

POINT OF COMPOUND CURVATURE

POINT OF REVERSE CURVATURE

REINFORCED CONCRETE PIPE

AC	ASPHALTIC CONCRETE	S	SLOPE, SOUTH
C&G	CURB & GUTTER	SCH	SCHEDULE
CONC	CONCRETE	SD	STORM DRAIN
CONN	CONNECTION	SDMH	STORM DRAIN MANHOLE
Ol	DROP INLET/DUCTILE IRON	SDR	STANDARD DIMENSION RATIO
DIA, Ø	DIAMETER	SF	SQUARE FEET
DWG	DRAWING	SS	SANITARY SEWER
DWY	DRIVEWAY	SSC0	SANITARY SEWER CLEANOUT
<u> </u>	EAST	SSMH	SANITARY SEWER MANHOLE
EA	EACH	SSPWC	STANDARD SPECIFICATIONS FOR
EG	EXISTING GROUND		PUBLIC WORKS CONSTRUCTION
EL, ELEV		STA	STATION
EXIST, EX		STD	STANDARD
ES	FLARED END SECTION	STL	STEEL
-G	FINISHED GRADE	TBC	TOP BACK OF CURB
- [_	FLOWLINE	T, TELE	TELEPHONE
- T	FEET	TYP	TYPICAL
3	GAS	U/G	UNDERGROUND
HORIZ	HORIZONTAL	VERT	VERTICAL
HYD	HYDRANT	W	WEST, WATER
E, INV	INVERT ELEVATION	W/	WITH
_AT	LATERAL	W/O	WITHOUT
_F	LINEAL FEET	WV	WATER VALVE
_T	LEFT	x'ING	CROSSING
MAX	MAXIMUM		

- 1. ALL SEWER MAINS AND LATERALS IN THE RIGHT-OF-WAY/EASEMENT SHALL BE PVC SDR35 UNLESS OTHERWISE NOTED.
- 2. NON-FLEXIBLE TRANSITION COUPLINGS ARE REQUIRED WHEN CONNECTING NEW SEWER LINES TO EXISTING LINES AND/OR FITTINGS, SEE DWG. C-2.1.6.
- 3. THE CONTRACTOR SHALL INSTALL A PLUG AT THE POINT OF EXTENSION OF A SEWER MAIN PRIOR TO THE START OF CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL ALL LINES HAVE BEEN INSPECTED. TESTED, CLEANED AND FLUSHED. REMOVAL OF THE PLUG BY THE CONTRACTOR PRIOR TO APPROVAL IS A
- 4. SEWER LINES SHALL BE TESTED PER SECTION 336.03.07 OF THE SSPWC AS ADOPTED BY CARSON CITY. AN AIR PRESSURE TEST PER SECTION 336.03.07.04 AND A DEFLECTION TEST PER SECTION 336.03.09 OF THE CARSON CITY AMENDMENT TO THE SSPWC SHALL BE PERFORMED ON ALL SEWER LINES.

VIOLATION OF THE CARSON CITY MUNICIPAL CODE AND MAY RESULT IN FINES UP TO \$1,000 A DAY.

- 5. MARKING TAPE SHALL BE INSTALLED 12 INCHES ABOVE ALL SEWER MAINS AND LATERALS. TAPE WIDTH SHALL BE 3 INCHES; THICKNESS SHALL BE FOUR 4 MIL OR GREATER AND SHALL BE GREEN AND BEAR LARGE PRINTING DENOTING "CAUTION BURIED SEWER LINE BELOW" OR EQUIVALENT WORDING.
- 6. TRACER WIRE SHALL BE ATTACHED TO ANY SEWER LATERAL WHICH IS NOT PERPENDICULAR TO THE SEWER MAIN. SEE DWG C-2.2.1

MANHOLE BASE(S) SHALL BE PRECAST LINLESS OTHERWISE APPROVED BY CARSON CITY PUBLIC WORKS

5. MANHOLE MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 204

6. PRECAST MANHOLE SECTIONS, OTHER THAN GRADE RINGS, SHALL BE JOINED WITH FLEXIBLE PLASTIC

7. EXCAVATION AND BACKFILL SHALL BE AS SPECIFIED FOR "TRENCH EXCAVATION AND BACKFILL" IN

8. NO SEWER LINE PIPE WITH A DIAMETER OF LESS THAN 8 INCHES SHALL BE CONNECTED TO A

13. NO STEPS, LADDERS OR OTHER CLIMBING DEVICES SHALL BE INSTALLED IN MANHOLES.

AND IN ACCORDANCE WITH THE CARSON CITY SSPWC, LATEST EDITION.

PIPE-TO-MANHOLE CONNECTOR OR A LINK-SEAL MODULAR SEAL.

14. MANHOLES LOCATED OUTSIDE PAVED AREAS SHALL REQUIRE ALL WEATHER ACCESS ROADWAY CONSISTING

OF 6 INCH TYPE 2, CLASS B AGGREGATE BASE (CONFORMING TO THE SSPWC SECTION 200.01.02) AND

UTILITY MARKER (CUM 375), 5 FEET-2 INCHES (5'-2") WITH MANHOLE DECAL (668-MH) OR APPROVED

EQUAL. PLACE MÀRKERS ON EASEMENT LINE NEÀREST TO MANHOLE OR AS DIRÈCTED BY THE CARSON

15. SEWER MANHOLES SHALL BE VACUUM TESTED PER SECTION 3002 OF THE TECHNICAL SPECIFICATIONS

10. WHEN PIPE CONNECTIONS TO EXISTING MANHOLES ARE ALLOWED, THEY SHALL BE MADE BY CORE

DRILLING THE MANHOLE AND CONNECTING THE PIPE PENETRATION WITH AN NPC KOR-N-SEAL

SEWER MANHOLE MARKERS SHALL BE INSTALLED. SEWER MANHOLE MARKERS SHALL BE GREEN CARSONITE

GASKET MATERIAL SUCH AS "RAM-NEK" OR EQUAL AS PER MANUFACTURER'S RECOMMENDATIONS.

NO FIELD MODIFICATIONS TO PRECAST BASES WILL BE ALLOWED. TROUGHS AND BENCHES TO BE CAST IN

- WATER MAIN SHUTDOWNS/INTERRUPTION OF WATER/FIRE SERVICE; OBTAIN TENTATIVE APPROVAL FROM CARSON CITY WATER UTILITY PRIOR TO PLANNING A SHUTDOWN. APPROVAL IS REQUIRED ONE WORKING DAY PRIOR TO NOTIFICATION OF CUSTOMERS. COMMERCIAL CUSTOMERS SHALL RECEIVE 2 WORKING DAYS WRITTEN AND VERBAL NOTICE OF A SHUTDOWN. SPECIAL ARRANGEMENTS INCLUDING NIGHT TIME SHUTDOWNS MAY BE REQUIRED OF THE CONTRACTOR TO ACCOMMODATE CUSTOMER OPERATIONS, RESIDENTIAL CUSTOMERS SHALL RECEIVE 24 HOURS WRITTEN NOTICE, WHEN WORK IS PERFORMED BY CITY STAFF, THE CITY IS RESPONSIBLE FOR THE NOTIFICATION. THE CONTRACTOR IS RESPONSIBLE IN ALL OTHER CASES. A LIST SHALL BE KEPT BY THE RESPONSIBLE PARTY LISTING THE DATE, TIME AND ADDRESS OF ALL PERSONS NOTIFIED. THE PERSON NOTIFIED SHALL BE INCLUDED ON THE LIST FOR ALL COMMERCIAL CUSTOMERS. CONTACT CARSON CITY WATER UTILITY FOR PHONE NUMBERS WHEN COMMERCIAL CUSTOMERS CANNOT BE LOCATED. THE CONTRACTOR WILL BE SUBJECT TO DAMAGE CLAIMS SHOULD THEY FAIL TO NOTIFY CUSTOMERS OR MAINTAIN DOCUMENTATION OF NOTIFICATION OF CUSTOMERS. THE TOTAL TIME OF ANY WATER SERVICE INTERRUPTION IS LIMITED TO 4 HOURS MAXIMUM. THE CONTRACTOR SHALL NOT OPERATE ANY EXISTING WATER VALVES. WATER MAIN SHUTDOWNS WILL ONLY BE SCHEDULED FOR TUESDAYS, WEDNESDAYS, OR THURSDAYS, EXCLUDING THE WORKING DAYS BEFORE AND AFTER A HOLIDAY. CONTRACTOR SHALL MAKE A WRITTEN REQUEST, TO THE WATER OPERATIONS CHIEF, A MINIMUM OF 10 CALENDAR DAYS IN ADVANCE OF ANY PLANNED SHUTDOWN.
- 2. WATER MAINS (6 INCH THRU 12 INCH) SHALL BE PVC C900, DR 18 (MINIMUM WALL THICKNESS) UNLESS HIGHER PRESSURE IS SPECIFIED ON THE PLANS. WATER SERVICES 2 INCHES OR LESS SHALL BE CTS, PE TUBING MINIMUM 200 PSI; WATER SERVICES 3 INCHES OR GREATER SHALL BE 4 INCH MINIMUM DIAMETER PVC C900, DR 18 OR AS SPECIFIED ON THE PLANS.
- 3. MAINTAIN 18 INCHES VERTICAL AND 5 FEET HORIZONTAL SEPARATION BETWEEN ALL UNDERGROUND UTILITY LINES AND WATER LINES. IF WATER LINE IS BELOW POWER LINE OR IS WITHIN 18 INCH VERTICAL SEPARATION OF POWER LINE, POWER/TELEPHONE LINE SHALL BE ENCASED WITH 4 INCHES MINIMUM OF CONCRETE EXTENDING 5 FEET EACH SIDE OF CROSSING. (SEE NV ENERGY SPECS.) CONCRETE ENCASEMENT OF WATER LINES IS NOT ALLOWED.
- 4. ALL HOT TAPS, GREATER THAN 2 INCHES AND LESS THAN 12 INCHES, ARE TO BE PERFORMED BY CARSON CITY WATER UTILITY. THE CONTRACTOR SHALL CONTACT THE WATER OPERATIONS CHIEF AT LEAST 2 WORKING DAYS PRIOR TO SCHEDULING HOT TAP DATE AND TIME (HOT TAPS ARE PERFORMED TUESDAY THRU THURSDAY EXCLUDING THE WORKING DAYS BEFORE AND AFTER A HOLIDAY). PRIOR TO HOT TAPPING, THE SADDLE SHALL BE HYDROSTATICALLY PRESSURE TESTED TO 150 PSI MINIMUM OR THE DESIGN OF PIPE SYSTEM FOR A MINIMUM OF 5 MINUTES. THE TEST SHALL BE PERFORMED IN THE PRESENCE OF THE WATER UTILITY PERSONNEL PRIOR TO PERFORMING THE TAP. ALL TAPPING EQUIPMENT SHALL BE DISINFECTED AND INSPECTED BY CITY FORCES PRIOR TO TAPPING A CITY MAIN.
- 5. WATER VALVE MARKERS SHALL BE BLUE CARSONITE UTILITY MARKER (CUM-375), 5 FEET-2 INCHES (5'-2") WITH CARSON CITY WATER VALVE DECAL (CWV-116) OR APPROVED EQUAL. PLACE MARKER NO MORE THAN 5 FEET FROM THE VALVE OR AS DIRECTED BY THE CARSON CITY INSPECTOR.
- THE CARSON CITY INSPECTOR, AND TESTED BY A CERTIFIED BACKFLOW ASSEMBLY TESTER, AND TEST RESULTS SHALL BE APPROVED BY CARSON CITY WATER UTILITY. FOR NEW WATER METER SETS, THE REQUIRED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED, INSPECTED, CERTIFIED TEST RESULTS PROVIDED TO THE CARSON CITY INSPECTOR WITHIN 5 DAYS OF METER SET, UNLESS THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR APPROVES OTHERWISE. THE SERVICE WILL BE LOCKED OFF IF INSPECTIONS AND CERTIFICATIONS ARE NOT COMPLETED AS SPECIFIED ABOVE. A 25 DOLLAR FEE WILL BE ASSESSED AT TIME OF TURN-ON WHEN LOCK IS REMOVED DURING NORMAL WORKING HOURS. THE FEE WILL BE ASSESSED ON THE BUILDING PERMIT FOR THE INSTALLATION OF THE BACKFLOW DEVICE.
- 7. ALL WATER MAIN, WATER/FIRE SERVICE, AND BACKFLOW PREVENTION INSPECTIONS AND TESTING MUST BE APPROVED PRIOR TO APPROVAL OF ANY CERTIFICATE OF OCCUPANCY.
- 8. DISINFECTION TABLETS SHALL BE PLACED USING TITEBOND MULTI-PURPOSE CLEAR 100% SILICONE OR APPROVED EQUAL FOOD GRADE SILICONE

ETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION	N	Ö
R GENERAL NOTES	CARSON CITY DRAWING NO. C-2.1.1 (204, 306, 323) DATE 7/2009	APF	1\ PR

NOTE 4 |05/14 WATER PROVED BY: 25 | 05/14 |

- REMOVE AND REPLACE EXISTING SANITARY SEWER MANHOLE WITH NEW 48 INCH MANHOLE PER
- INSTALL 8" PVC SDR 35 SEWER LINE PER STD. DRAWINGS C-1.2.1 AND C-2.1.1.
- 1, SHEET C4.
- POTHOLE EX. GAS LINE TO VERIFY LOCATION AND DEPTH AT NEW UTILITY CROSSINGS.
- PROTECT IN PLACE
- CONFLICTS NOTES ON SHEET C4.
- LIMITS FOR SAW-CUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT SHALL BE
- REMOVE 12' WIDE AREA OF EXISTING ASPHALT DRIVEWAY. CONSTRUCT NEW ASPHALT DRIVEWAY
- INSTALL 48" SANITARY SEWER MANHOLE PER STD. DRAWINGS C-2.1.2 AND C-2.1.3.
- INSTALL NEW PE WATER SERVICE LATERAL FROM MAIN TO WATER METER PER STD. DRAWINGS

- TRANSITION FROM 6" TO 4" SDR35 PVC PER STD. DRAWING C-2.1.6 ADJACENT TO AND
- CONSTRUCT PCC DRIVEWAY APRON TYPE 2 PER MODIFIED STD. DRAWING C-5.2.4.

- ENCASE SEWER MAIN IN EXCAVATABLE CONCRETE PER SECTION B, SHEET C5.
- DRAWING C-5.2.2.

NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION CARSON CITY SIDEWALK AND DRIVEWAY DRAWING NO. C - 5.2.1**GENERAL NOTES** APPROVED BY: DS/14 5/2014

NO. | REVISION ||DATE|STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION|SECTION CARSON CITY SEWER MANHOLE NOTES DRAWING NO. C-2.1.2 (204,306,323) (MODIFIED) APPROVED BY: 7/2009

CONSTRUCTION NOTES (MASTER LIST)

- 1) INSTALL 6" PVC SDR35 SEWER LINE PER STD. DRAWINGS C-1.2.1 AND C-2.1.1.
- INSTALL NEW 4" PVC SDR 35 SEWER LATERAL CONNECTION PER STD. DRAWING C-2.2.1. CONNECT TO EXISTING SEWER LATERAL WITH RIGID ROMAC 501 COUPLING, OR APPROVED EQUAL.
- STD. DRAWINGS C-2.1.2 AND C-2.1.3.
- REMOVE EXISTING SANITARY SEWER CLEANOUT. INSTALL DOUBLE SEWER CLEANOUT PER DETAIL
- REMOVE EXISTING SANITARY SEWER CLEANOUT AND REPLACE WITH NEW 48" SANITARY SEWER MANHOLE PER STD. DRAWINGS C-2.1.2 AND C-2.1.3.

- PROVIDE "SPECIAL CONSTRUCTION" MITIGATION TO BOTH AFFECTED LINES. CENTER SEWER MAIN AT CROSSING AND MECHANICALLY RESTRAIN ANY EXPOSED WATER MAIN JOINTS PER THE WATER/SEWER SEPARATION GUIDELINES AND SPECIAL CONTRUCTION/VERTICAL CROSSING
- PER STD. DRAWING C-5.1.6 (PAVEMENT PATCH) AND C-1.2.1 (TYPICAL TRENCH SECTION).
- PER SECTION A, SHEET C5.
- REMOVE EXISTING SEWER MAIN, UNUSED LATERALS AND CLEANOUTS.
- C-3.2.1 AND C-3.2.2. REPLACE EXISTING SIDEWALK AS NEEDED PER STD. DRAWING C-5.2.2.
- REMOVE EXISTING SEWER CLEANOUT.
- INSTALL STORM DRAIN INLET PROTECTION PER STD. DRAWING C-4.1.7.
- UPSTREAM OF NEW MANHOLE.
- INSTALL 4" PVC SDR35 SEWER LINE PER STD. DRAWINGS C-1.2.1 AND C-2.1.1.
- REMOVE EXISTING SIDEWALK TO NEAREST JOINT. REPLACE WITH NEW PCC SIDEWALK PER STD.

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S CAR 6. REDUCED PRESSURE PRINCIPLE AND DOUBLE CHECK VALVE BACKFLOW ASSEMBLIES SHALL BE APPROVED BY ENGINEER OF S DANIEL L. ROTTER Exp: 12-31-15 CIVIL No. 22071 D. REVISION DATE STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION SECTION CARSON CITY DRAWING NO. C-3.1.1 (307) **GENERAL NOTES** 5/2014

MANHOLE WITHOUT THE APPROVAL OF THE CITY ENGINEER OR PUBLIC WORKS DIRECTOR. 9. MATCH PIPE INVERTS TO MANHOLE INVERTS WHERE PIPES CONNECT TO MANHOLE BASE. 10. ALL MANHOLES SHALL BE SEALED WATERTIGHT. COVERS SHALL HAVE NO "THRU" HOLES. CLOSED PICK HOLES ONLY: SOUTH BAY FOUNDRY 1900 CPH OR APPROVED EQUAL. 11. COAT OUTSIDE OF SEWER MANHOLE WITH FLEXIBLE RUBBERIZED COATING WHEN GROUNDWATER IS 12. PRIOR TO BACKFILLING, ALL MANHOLES SHALL BE VACUUM TESTED PER THE REQUIREMENTS OF ASTM

CITY ENGINEER OR PUBLIC WORKS DIRECTOR.

"MANHOLES AND CATCH BASINS" OF THE STANDARD SPECIFICATIONS.

SECTION 305 OF THE STANDARD SPECIFICATIONS. (SEE C-1.2.1)

NO. | REVISION | DATE | STANDARD DE

07/09

ENCOUNTERED.

APPROVED BY:

LOCATED ADJACENT TO A PEDESTRIAN RAMP, WITHIN AN ACCESSIBLE ROUTE OR BIKE LANE.

BASE(S) AT PRECAST FACTORY. BASE CONFIGURATION TO BE INSTALLED AS SHOWN ON THE APPROVED PLANS, NO PLUGGING OR FIELD MODIFYING ALLOWED. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD). WITH COARSE AGGREGATE 2. PRECAST MANHOLE COMPONENTS SHALL CONFORM TO ASTM C-478. GRADATION CONFORMING TO SIZE No. 67 PER SECTION 200.05.03 OF THE STANDARD SPECIFICATIONS, AND SHALL HAVE A 1 TO 4 INCH SLUMP, AND 4 TO 7 PERCENT ENTRAINED AIR. 3. ARRANGE MANHOLE SECTION LENGTHS TO FIT DEPTH. ALL SHIMS TO BE REMOVED AND VOIDS GROUTED. 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF TYPE II CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4. PIPES SHALL NOT PROTRUDE MORE THAN 3 INCHES INSIDE MANHOLE SECTION, AS MEASURED FROM THE 4 INCHES ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. OF THE STANDARD INSIDE WALL AT THE SPRING LINE OF THE PIPE.

SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DETAIL C-5.1.1 AND CONFORM TO SEC. 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED AND APPROVED

- IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY PUBLIC WORKS. A MINIMUM SURFACE OF 5 FEET X 5 FEET CLEAR IS REQUIRED WHEN DIRECTION OF TRAVEL MAY CHANGE AND A MINIMUM SURFACE OF 4 FEET CLEAR IS REQUIRED WHERE DIRECTION OF TRAVEL IS NOT EXPECTED TO CHANGE, UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- 5. EXISTING CONCRETE SHALL BE REMOVED TO A NEAT SAWCUT LINE OR NEAREST EXPANSION JOINT.
- ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND SHALL CONFORM TO SEC.200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
- NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.
- AC PAVEMENT EDGE SHALL BE 1/4 INCH TO 1/2 INCH ABOVE THE LIP OF GUTTER. EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN

BASIS OF BEARING

NAD 1983 (94) NEVADA STATE PLANE COORDINATE SYSTEM WEST ZONE 2703 AS SHOWN ON RECORD OF SURVEY MAP #2749 "2010 CARSON CITY CONTROL NETWORK" FILED IN THE CARSON CITY, NEVADA RECORDER'S OFFICE AS FILE #403435.

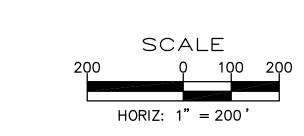
BASIS OF ELEVATION

BASIS OF ELEVATION FOR THIS PROJECT IS CARSON CITY SURVEY CONTROL MONUMENT CC088, WHICH IS A 2" BRASS DISK STAMPED "CC088 2010" LOCATED ON THE SOUTH RETURN OF THE NORTHEAST CORNER OF WEST 10TH STREET AND SOUTH MINNESOTA STREET.

ELEVATION=4665.68'

DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

HORIZ	ONTAL & V	ERTICAL	CONTROL P	OINT DATA
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
21	14732972.70	2291303.72	4650.70	CC021
82	14735853.24	2289811.00	4677.12	CC082
88	14733297.24	2288569.24	4665.68	CC088



CITY DEPARTMENT

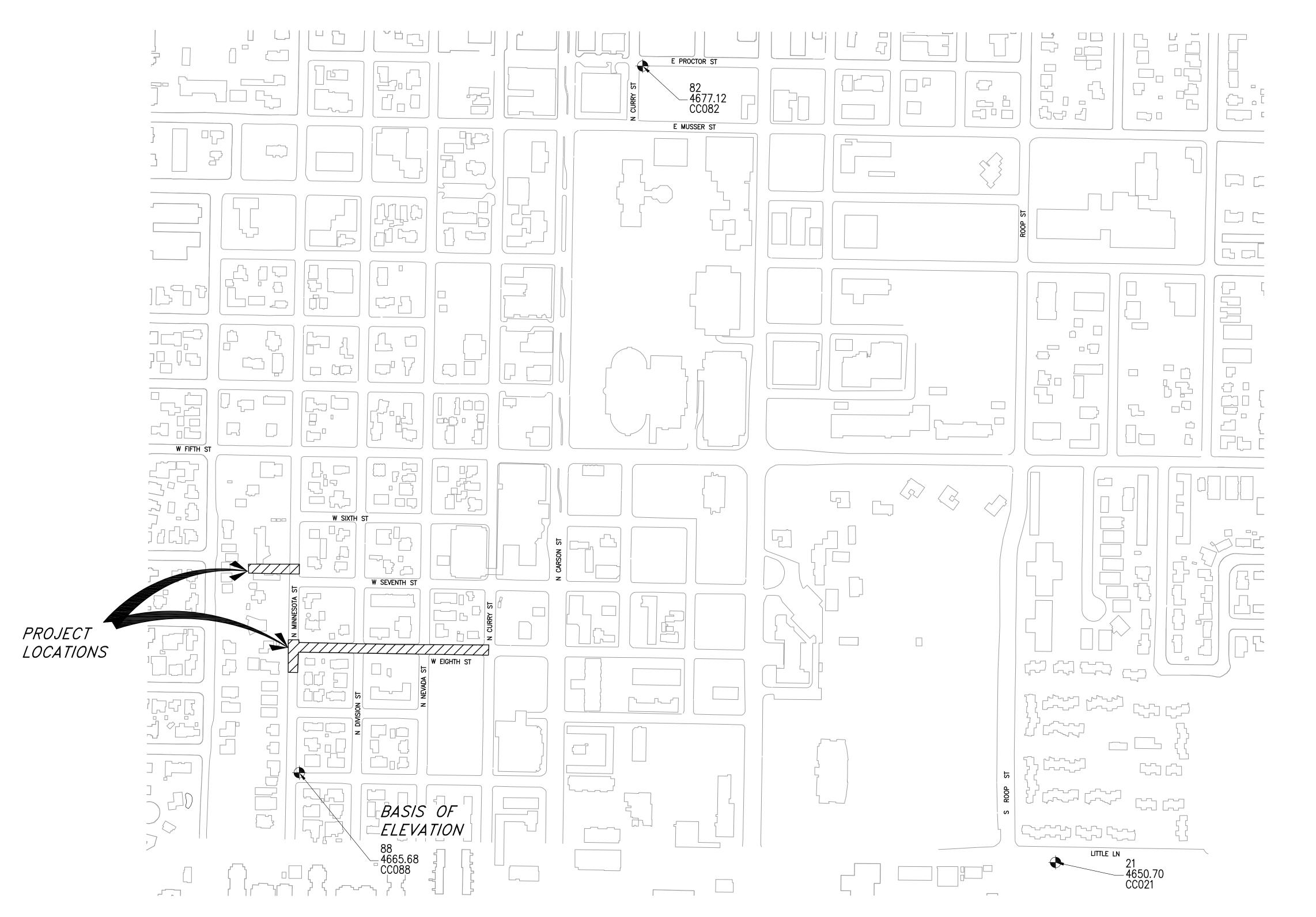
CARSON

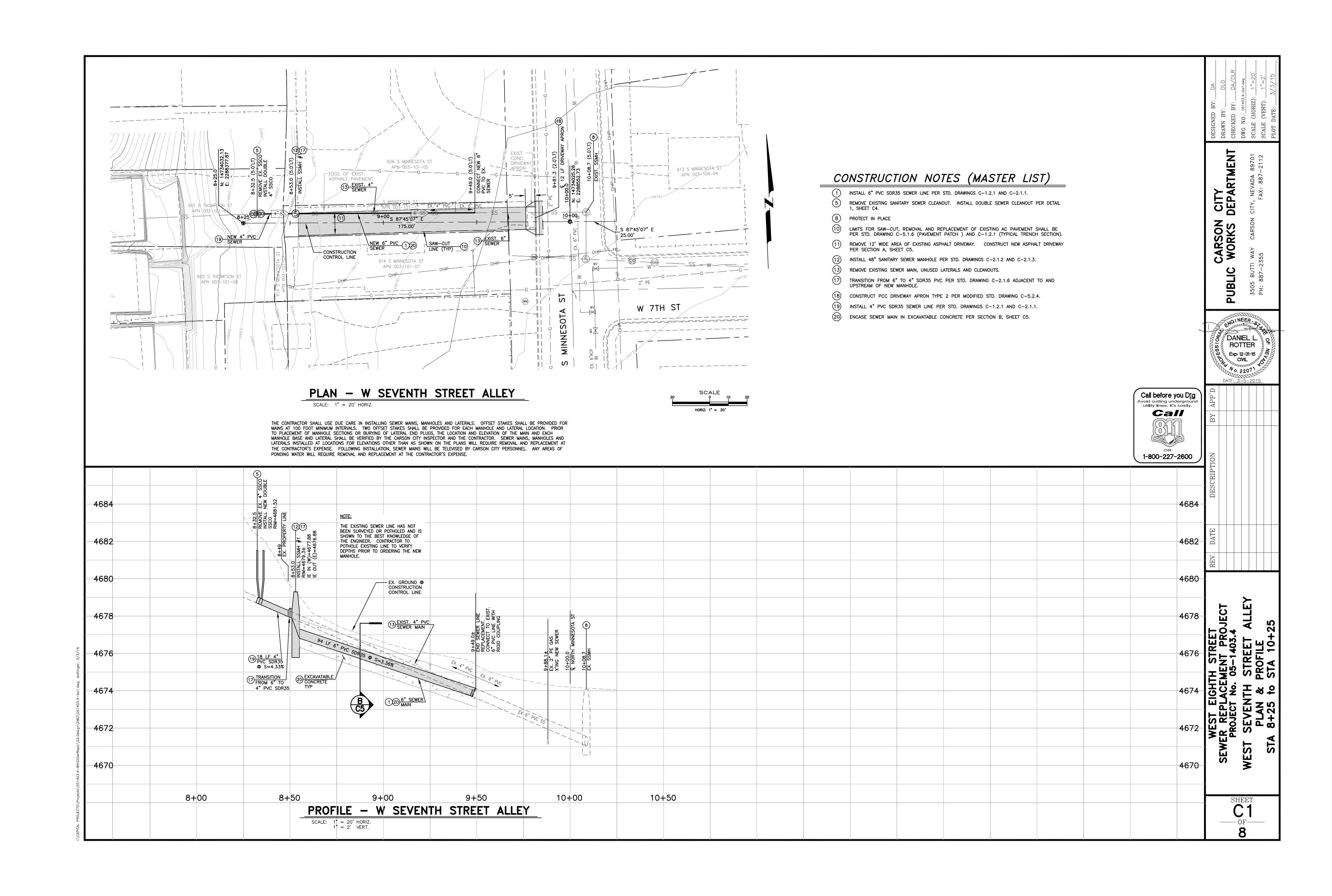
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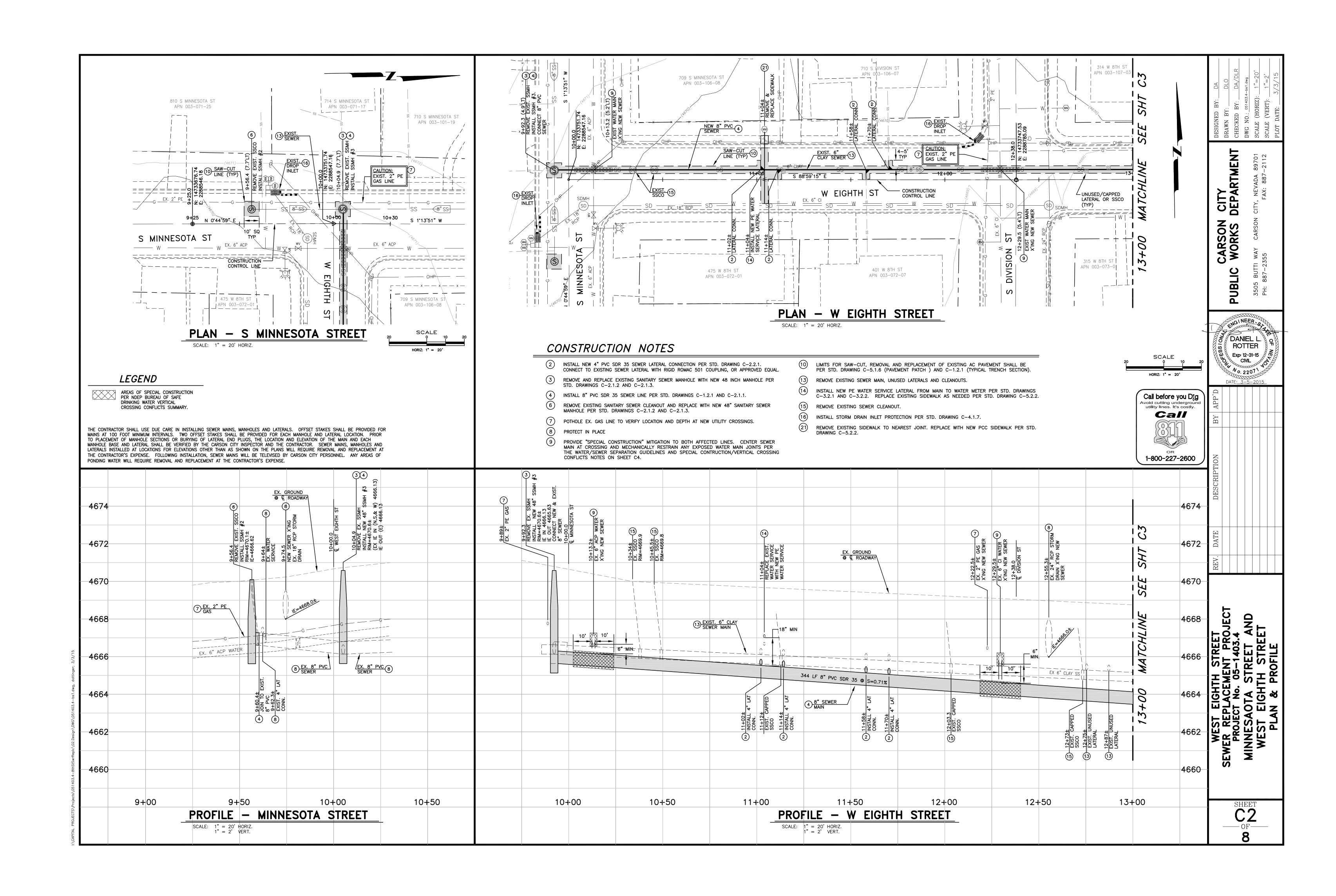
DANIEL L. ROTTER

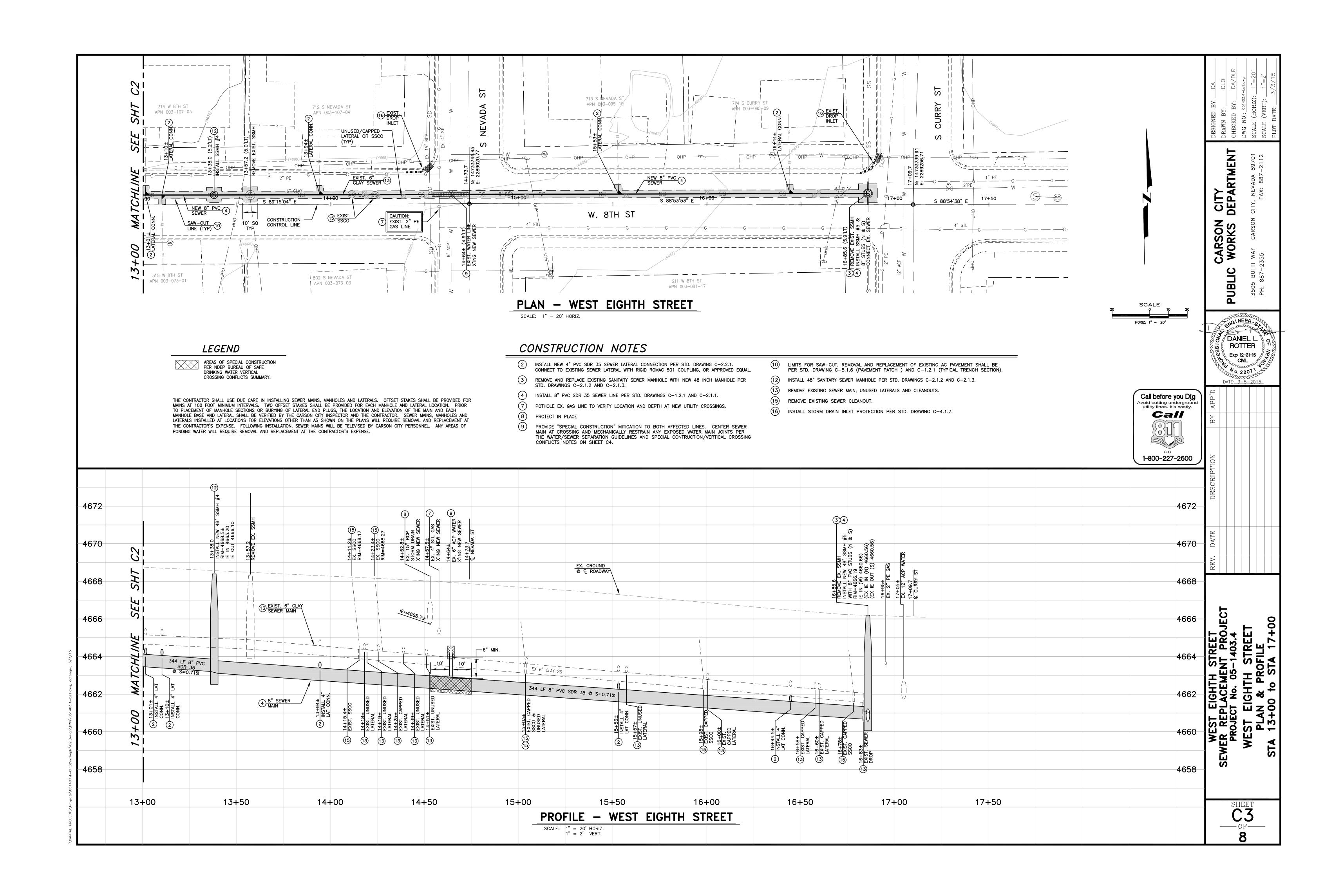
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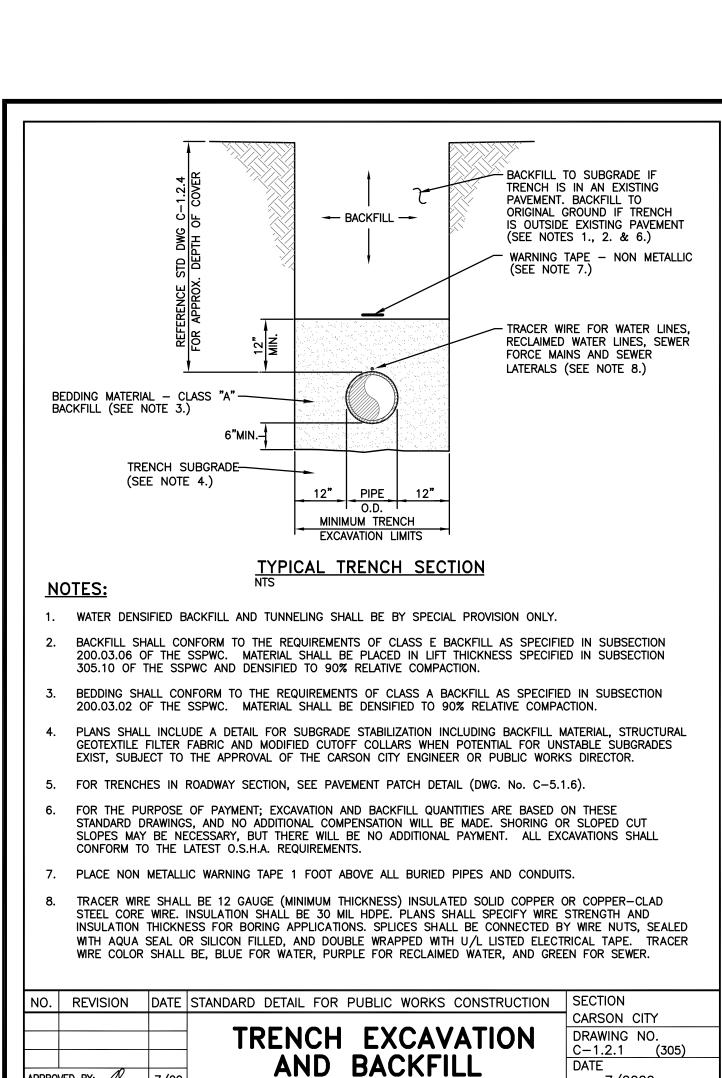
SHEET **G3**— of—

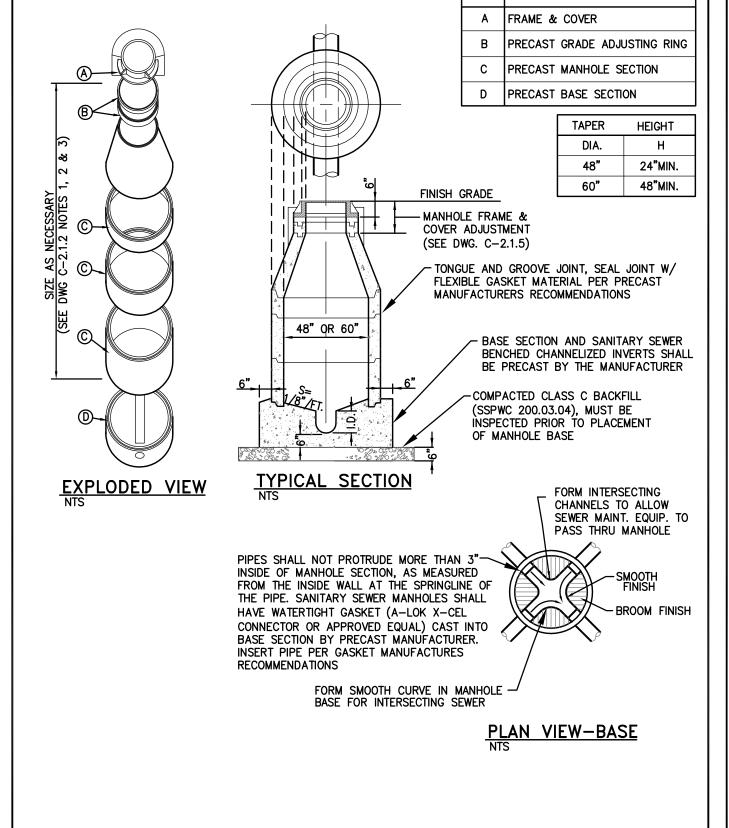


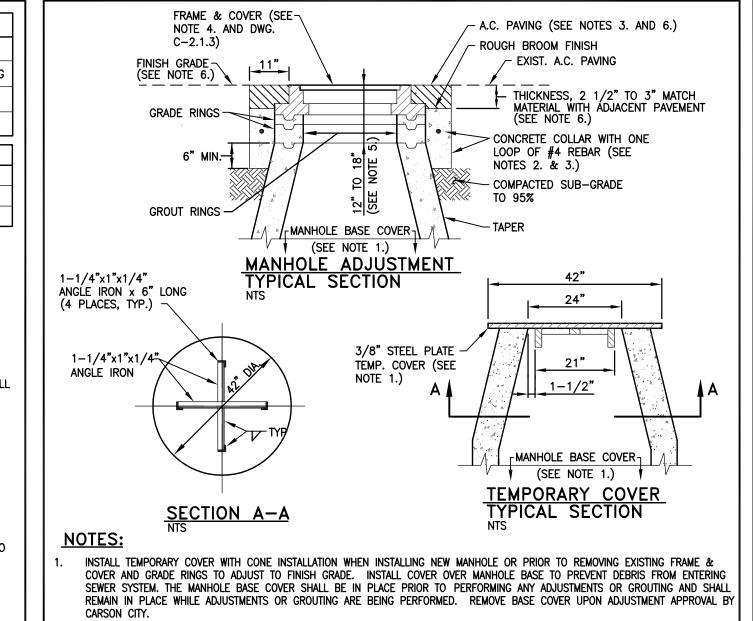






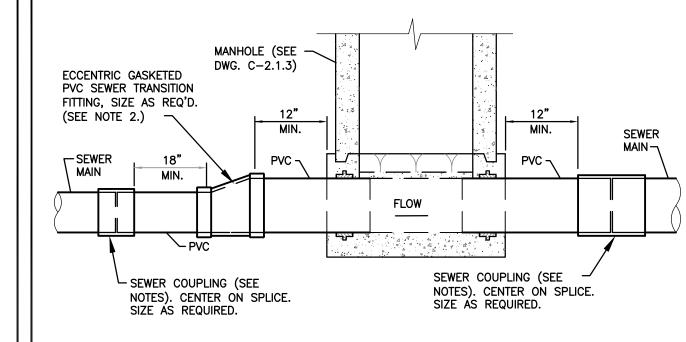






- CONCRETE SHALL CONFORM TO THE SSPWC SECTION 202.01.12. REBAR SHALL BE USED ONLY WHEN THE MANHOLE IS LOCATED
- THE CONCRETE COLLAR SHALL BE LEFT 2 1/2 INCHES TO 3 INCHES BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT (CONFORMING TO THE SSPWC SECTION 316) AND FILL VOID BETWEEN ADJACENT PAVEMENT AND FRAME WITH TYPE 3 AC 20 PAVING (CONFORMING TO THE SSPWC SECTION 320). APPLY FOG SEAL (CONFORMING TO SSPWC SECTION 317) TO THE ASPHALT SURFACE. ALL CUTS IN PAVING SHALL BE STRAIGHT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAVEMENT OR LOCATED IN AN UNPAVED AREA, EXTEND CONCRETE TO FINISH GRADE.
- INSTALL NEW FRAME & COVER UNLESS OTHERWISE SHOWN ON THE PLANS OR SPECIAL CONDITIONS. FRAME & COVER SHALL BE SET FLUSH WITH FINISH GRADE UNLESS OTHERWISE NOTED.
- FOR NEW MANHOLE INSTALLATIONS, DISTANCE FROM COVER TO CONE SHALL BE 12 INCHES MINIMUM AND 15 INCHES MAXIMUM FOR MINOR RESIDENTIAL STREETS AND 15 INCHES MINIMUM AND 18 INCHES MAXIMUM FOR ALL OTHER STREETS. FOR ADJUSTING EXISTING
- FRAME & COVERS THE DISTANCE FROM COVER TO CONE SHALL NOT EXCEED 18 INCHES. WHEN LOCATED IN NDOT RIGHT-OF-WAY, CONCRETE COLLAR SHALL CONFORM TO NDOT STANDARD PLAN SHT R-4.7.3 AND STANDARD

	SPECIFICATION 60	9.	,	
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
			MANHOLE FRAME & COVER	DRAWING NO.
			ADJUSTMENT	DATE
APPROV	ED BY:	7/09	ADJUSTMENT	7/2009



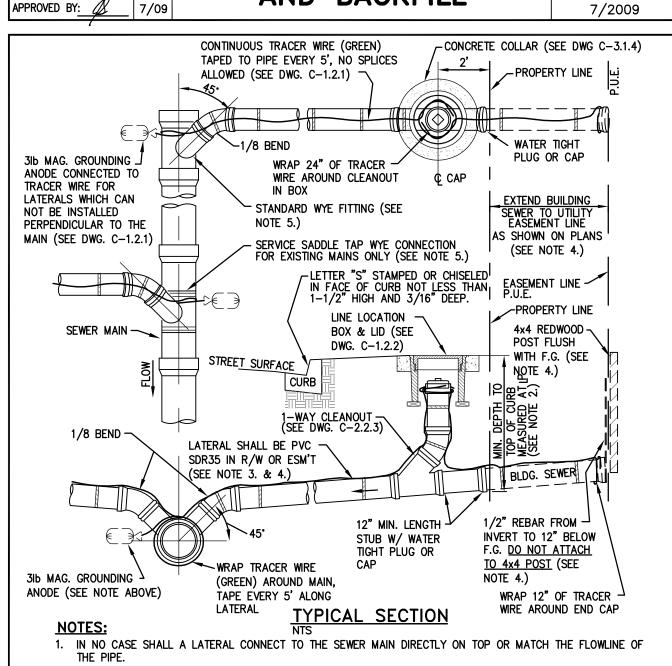
TYPICAL SEWER LINE & MANHOLE TRANSITION

- SEWER COUPLINGS SHALL BE USED AT LOCATIONS WHERE TWO PIPES OF EQUAL NOMINAL SIZE AND EQUAL OR DIFFERENT DIAMETERS ARE BEING JOINED. (ie. 8 INCH SDR PVC TO 8 INCH SDR PVC, OR 8 INCH PVC TO 8 INCH CLAY.)
- ECCENTRIC GASKETED PVC SEWER TRANSITION FITTINGS SHALL BE USED AT ALL LOCATIONS WHERE TWO PIPES OF UNEQUAL NOMINAL SIZES ARE TO BE JOINED. (ie. 6 INCH PIPE TO 8 INCH PIPE)
- GASKETED PVC SEWER FITTINGS, SEWER CLAMP COUPLINGS OR SEWER STRAIGHT COUPLINGS SHALL BE USED AT LOCATIONS WHERE TWO PIPES OF EQUAL SIZE AND DIAMETER ARE BEING JOINED. (ie. 8 INCH
- SEWER TRANSITION COUPLINGS SHALL BE USED AT LOCATIONS WHERE TWO PIPES OF EQUAL NOMINAL SIZE AND UNEQUAL DIAMETER ARE BEING JOINED. (ie. 8 INCH SDR PVC TO 8 INCH CLAY, 8 INCH SDR PVC TO 8 INCH C900 PVC) ECCENTRIC COUPLINGS WHICH MATCH PIPE INVERTS SHALL BE USED AT LOCATIONS WHERE THE EXÍSTING DOWNSTREAM PIPE INNER DIAMETER IS LESS THAN THE UPSTREAM PIPE

SDR PVC TO 8 INCH SDR PVC, 8 INCH C900 PVC TO 8 INCH C900 PVC)

- SEWER CLAMP COUPLING BODY AND CLAMP BOLTS, WASHERS & NUTS SHALL BE 304 STAINLESS STEEL, CLAMP COUPLING LENGTH SHALL BE 12 INCH MINIMUM FOR 8 INCH PIPE AND LARGER, ROMAC STYLE LSS1, LSS2, LSS3 FOR SEWER OR APPROVED EQUAL.
- SEWER STRAIGHT AND TRANSITION COUPLINGS SHALL BE RIGID TYPE, DUCTILE IRON BODY AND END RINGS WITH HIGH STRENGTH LOW ALLOY STEEL NUTS & BOLTS, ROMAC STYLE 501 FOR SEWER OR APPROVED EQUAL. COAT ALL EXPOSED BARE METAL, NUTS AND BOLTS WITH COLD-APPLIED WATER BASED ENAMEL
- ECCENTRIC COUPLINGS FOR MATCHING INVERTS OF NEW PIPE FLOWING INTO EXISTING PIPE SHALL BE ROMAC OR FERNCO ECCENTRIC COUPLINGS OR APPROVED EQUAL. COAT ALL EXPOSED BARE METAL, NUTS AND BOLTS ON ROMAC COUPLINGS WITH COLD-APPLIED WATER BASED ENAMEL OR BLACK ASPHALT.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
			SEWER MAIN AND	DRAWING NO. C-2.1.6 (203,306)
			LATERAL TRANSITIONS	DATE
APPROV	ED BY:	7/09	LATERAL TRANSITIONS	7/2009
	- 1			



- 2. SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 2%. PLANS SHALL INDICATE INVERT ELEV. REQUIRED TO SERVE PROPERTY AND CLEAR UNDERGROUND OBSTRUCTIONS.
- 3. ALL JOINTS ON SEWER LATERAL PIPE WITHIN THE RIGHT-OF-WAY SHALL BE COMPRESSION TYPE. C900 PVC MAY BE SUBSTITUTED FOR SDR35 TO MEET NDEP BSDW SEPARATIONS.
- 4. LATERAL SHALL BE PERPENDICULAR TO THE MAIN AND EXTEND TO PROPERTY LINE. WHEN SHOWN ON PLANS TO INSTALL BUILDING SEWER PRIOR TO PUBLIC UTILITIES, INSTALLATION OF BUILDING SEWER IS EXTENDED TO UTILITY EASEMENT LINE AND STANDARD WATERTIGHT PLUG OR CAP, REDWOOD POST AND REBAR SHALL BE INSTALLED AT EASEMENT LINE.
- 5. USE OF SEWER SERVICE TAP SADDLE CONNECTIONS SHALL NOT BE ALLOWED FOR NEW SEWER MAIN CONSTRUCTION. WHEN A TAP SADDLE CONNECTION IS TO BE USED ON AN EXISTING SEWER MAIN, IT SHALL BE A WYE SADDLE AND BE INSTALLED PER DWG. C-2.2.2.
- . DISCONTINUANCE OF USE OF AN EXISTING SEWER LATERAL REQUIRES ABANDONMENT OF THE LATERAL. CUT, REMOVE 1 FOOT OF EXISTING LATERAL AND CAP BOTH ENDS OF THE EXISTING SEWER LATERAL TO BE ABANDONED WITHIN 6 INCHES OF THE SEWER MAIN. INSPECTION BY CARSON CITY SEWER UTILITY IS REQUIRED PRIOR TO BACKFILL

7. PROPERTY OWNER SHALL BE RESPONSIBLE FOR OPERATION, MAINTENANCE AND REPAIR OF THE SEWER

	LATERAL W	ITHIN TI	HE PUBLIC RIGHT-OF-WAY PER CCMC 12.05.050.5.	
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
			CEWED LATERAL	DRAWING NO.
			SEWER LATERAL	C-2.2.1 (203,306) DATE
APPRO	VED BY:	07/09		7/2009

WATER/SEWER SEPARATION GUIDELINES

MANHOLE

DRAWING NO.

C-2.1.3 (204, 306)

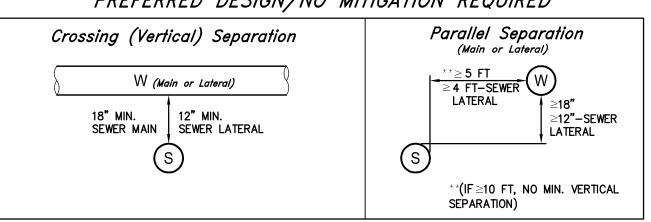
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NO. REVISION DATE STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION SECTION

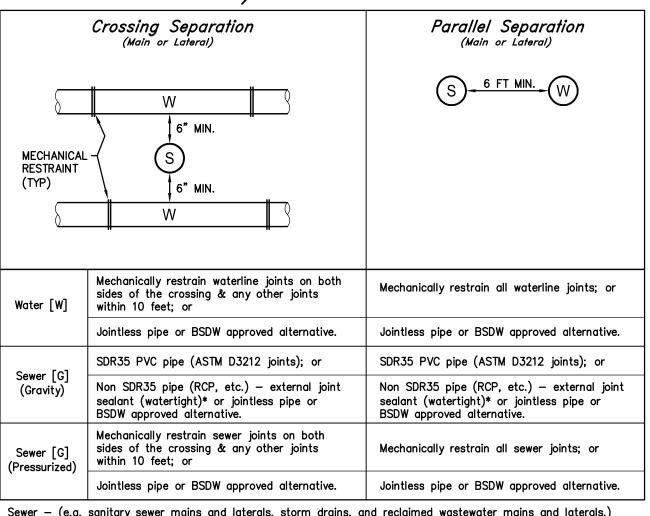
APPROVED BY:

07/09

PREFERRED DESIGN/NO MITIGATION REQUIRED



MITIGATED DESIGN/CONSTRUCTION CONFIGURATION



Sewer — (e.g. sanitary sewer mains and laterals, storm drains, and reclaimed wastewater mains and laterals.)

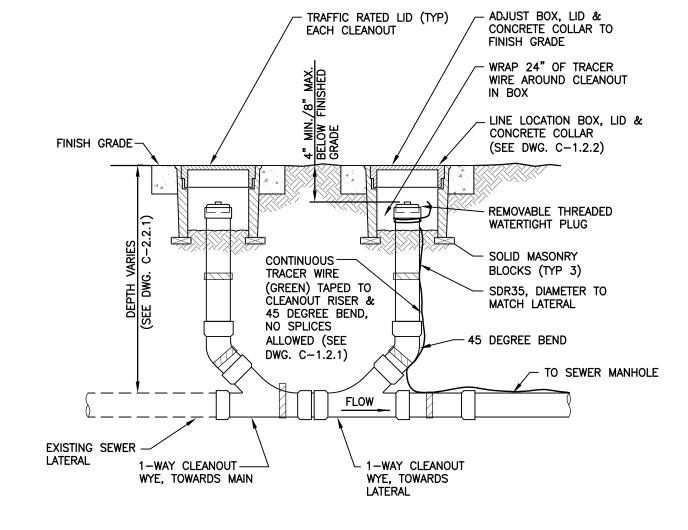
Jointless Pipe - Welded HDPE (AWWA C901/C906), Fusible PVC (Fusible AWWA C900/C905), etc.

*NPC External Joint Seals, Aquawrap, Infi-Shield Gator Wrap, ASTM C877-08, or approved equal.

Mechanical Restraint — a mechanical coupling to restrict joint movement and separation.

SPECIAL CONSTRUCTION / VERTICAL CROSSING CONFLICTS NOTES:

- 1. "SPECIAL CONSTRUCTION" IS REQUIRED WHENEVER SEWER/STORM DRAIN/IRRIGATION/RECLAIMED/NON-POTABLE CROSSES ABOVE WATER. REGARDLESS OF VERTICAL SEPARATION.
- 2. "SPECIAL CONSTRUCTION" IS REQUIRED IF WATER MAIN DOES NOT CROSS AT EAST 18 INCHES ABOVE SEWER/STORM DRAIN/IRRIGATION/RECLAIMED/NON-POTABLE MAIN.
- AT CROSSINGS REQUIRING "SPECIAL CONSTRUCTION", MITIGATION MUST BE PROVIDED TO BOTH AFFECTED LINES. IN ADDITION TO CENTERING AND RESTRAINING THE WATER MAIN, THE EXISTING SEWER/STORM DRAIN/ IRRIGATION/RECLAIMED/NON-POTABLE MAIN/LATERALS MUST ALSO BE PROTECTED PER THE "WATER/SEWER SEPARATION GUIDELINES" LISTED ABOVE.



DOUBLE SEWER CLEANOUT DETAIL

NOT TO SCALE

REFERENCE STD DRAWING C-2.2.1 FOR ADDITIONAL NOTES AND DETAILS



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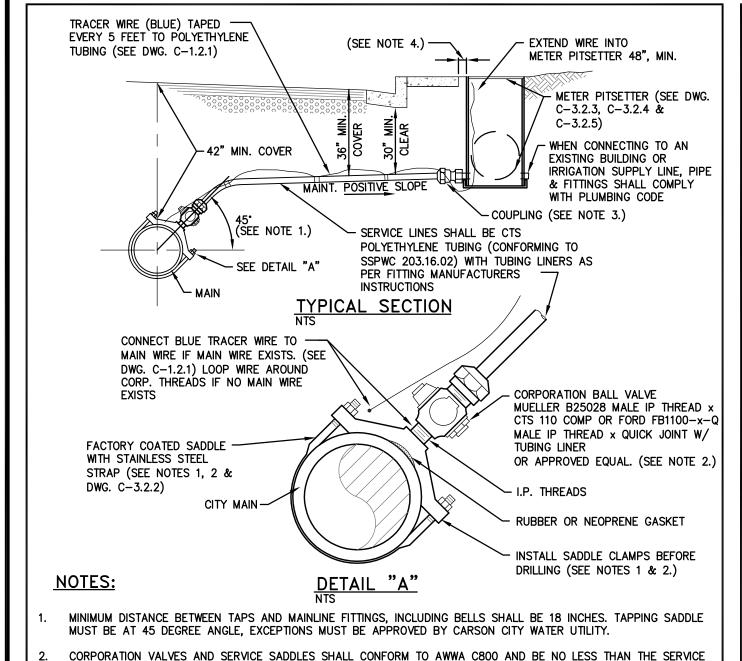
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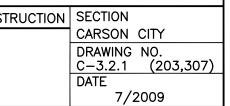
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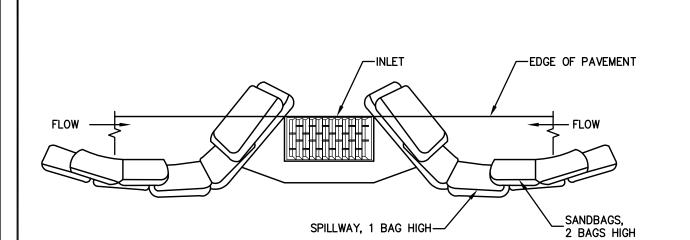
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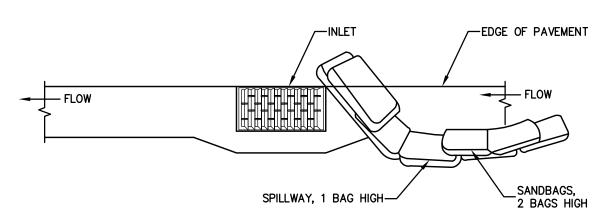
- CORPORATION VALVES AND SERVICE SADDLES SHALL CONFORM TO AWWA C800 AND BE NO LESS THAN THE SERVICE LINE SIZE. WHEN REPLACING AN EXISTING SERVICE LINE AND A SIZE LARGER THAN SHOWN IS ENCOUNTERED, THE LARGER SIZE LINE, FITTINGS AND SADDLE SHALL BE INSTALLED UNLESS APPROVED BY CARSON CITY WATER UTILITY.
- COUPLING FITTING SHALL CONFORM TO AWWA C800 AND BE A MUELLER H-15451 CTS 110 COMP OR FORD C14-xx-Q QUICK JOINT W/ TUBING LINER x FEMALE IP THREAD OR APPROVED EQUAL.
- METER PITSETTERS TO BE PLACED 4 INCHES FROM BACK OF SIDEWALK IN AREAS WHERE SIDEWALK IS ADJACENT TO CURB, OR 6 INCHES FROM BACK OF CURB IN AREAS WHERE SIDEWALK IS OFFSET FROM CURB, OR AS DIRECTED BY CARSON CITY WATER UTILITY. IN AREAS WHERE NO CURB OR SIDEWALK IS PRESENT, METER PITSETTERS SHALL BE PLACED WITHIN THE RIGHT-OF-WAY AS SHOWN ON THE APPROVED PLANS.
- DISCONTINUANCE OF USE OF A SERVICE REQUIRES ABANDONMENT OF THE SERVICE. NOTIFY CARSON CITY PUBLIC WORKS FOR METER REMOVAL PRIOR TO PROCEEDING WITH ABANDONMENT. REMOVE EXISTING METER BOX AND EXPOSE CORP STOP AT MAIN FOR SHUT-OFF. ALL PIPING OR TUBING SHALL BE DISCONNECTED FROM CORP AND PLUGGED AT BOTH ENDS. CARSON CITY PUBLIC WORKS SHALL BE NOTIFIED FOR INSPECTION OF CORP ASSEMBLY PRIOR TO

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NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SEC
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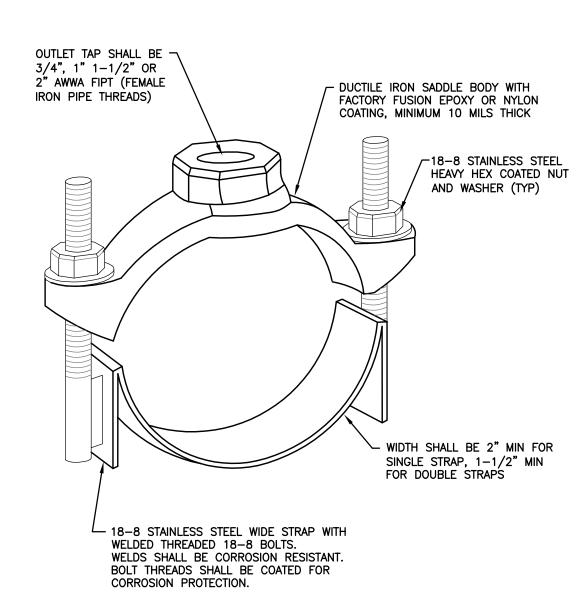
TYPICAL PROTECTION FOR INLET ON SUMP



TYPICAL PROTECTION FOR INLET ON GRADE

- 1. INTENDED FOR TEMPORARY SHORT-TERM USE.
- USE TO MANAGE CURB WATER FLOW.
- 3. SEDIMENT CAPTURED BEHIND SANDBAGS SHALL BE REMOVED WEEKLY DURING CONSTRUCTION.
- 4. INLET PROTECTION MUST BE PROPERLY MAINTAINED WHILE IN PLACE AND REMOVED WHEN REQUIREMENTS OF NDEP PERMIT HAVE BEEN MET.
- 5. SANDBAGS SHALL BE FILLED WITH 3/4 INCH WASHED ROCK.

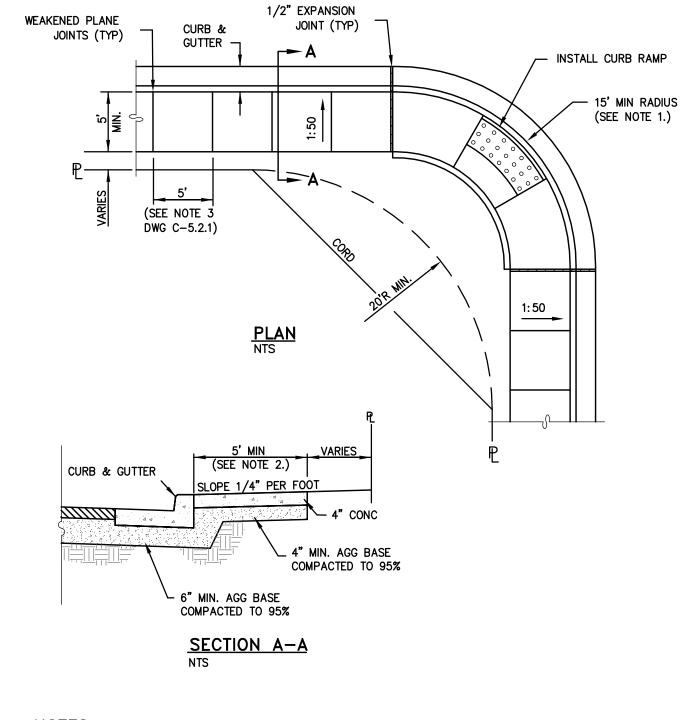
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	ADDED NOTE #5	2/13		CARSON CITY
			STORM DRAIN INLET	DRAWING NO. C-4.1.7
APPROV	 /ED BY:	7/09	PROTECTION	DATE 7/2009



SERVICE SADDLE DETAIL

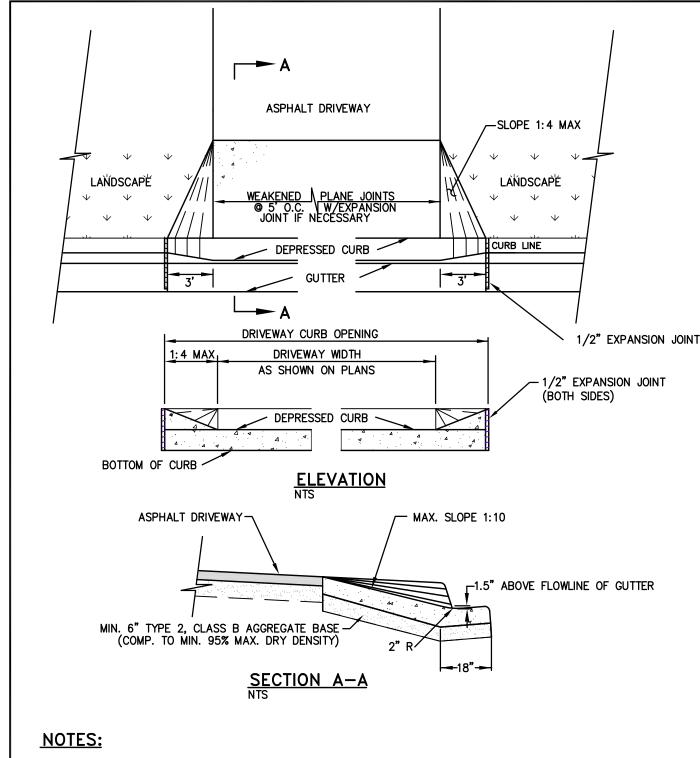
- SERVICE SADDLES FOR 3/4 INCH, 1 INCH, 1-1/2 INCH & 2 INCH TAPS SHALL CONFORM TO C800 WITH A MINIMUM WORKING PRESSURE OF 150 PSI, UNLESS A HIGHER PRESSURE IS SPECIFIED, AND BE MANUFACTURED BY FORD, MUELLER, ROMAC, SMITH-BLAIR OR APPROVED EQUAL. (SEE DWG. C-3.2.1 FOR ADDITIONAL NOTES AND DETAILS.) POTABLE SERVICE SADDLES SHALL BE IN COMPLIANCE WITH NSF61.
- SERVICE SADDLES SHALL BE FACTORY COATED DUCTILE IRON (ASTM A395 OR A536) WITH TYPE 18-8 STAINLESS STEEL (304 OR 304L) STRAP(S), BOLTS, NUTS, & WASHERS. ALL STAINLESS STEEL SHALL BE FILLY PASSIVATED.

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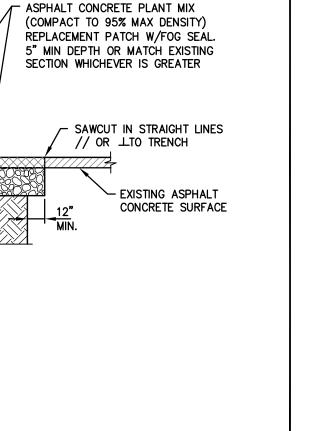
- MINIMUM CURB RETURN RADIUS SHALL BE 15 FEET UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- 2. SOME STREETS MAY REQUIRE WIDER SIDEWALKS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
			TYPE "A" SIDEWALK	DRAWING NO. C-5.2.2
APPROV	ED BY:	7/09	TITE A SIDEWALK	DATE 7/2009



- COMMERCIAL DRIVEWAYS TO HAVE 6 INCH X 6 INCH 10/10 WIRE MESH EXTENDED INTO GUTTER PAN. 2. IF EXPANSION JOINTS EXIST WITHIN 4 FEET OF DRIVEWAY, REMOVE CURB AND GUTTER TO THAT JOINT.
- DRIVEWAY APRONS SHALL BE CONSTRUCTED IN COMPLIANCE WITH STANDARD DETAILS C-5.1.1 AND C-5.2.1.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
			MODIFIED P.C.C.	DRAWING NO.
				C-5.2.4
			DRIVEWAY APRON TYPE 2	DATE
APPROV	ED BY:	7/09		7/2009



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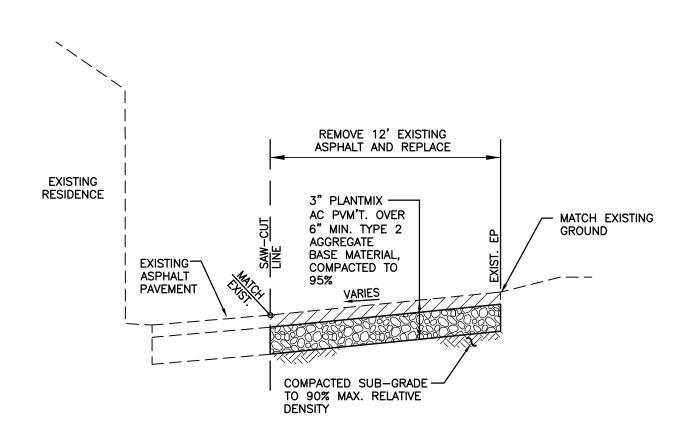
TYPE 2 CLASS B AGG. BASE -(COMPACT TO 95% MAX DRY DENSITY) 6" MIN DEPTH OR MATCH EXIST SECTION, WHICHEVER

COMPACTED TRENCH BACKFILL -

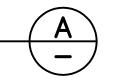
(COMP. MIN. 90% M.D.D.)

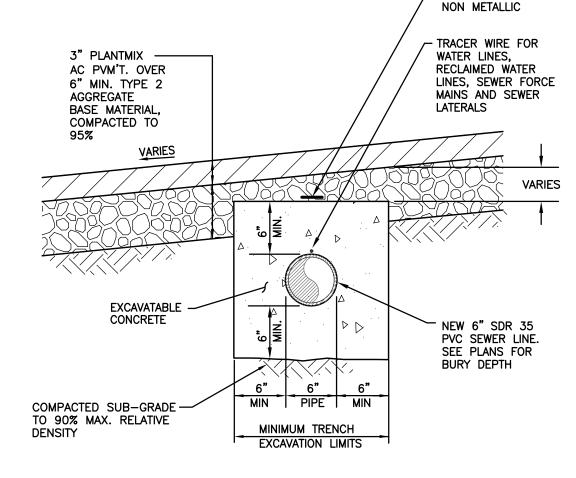
- IF SAWCUT IS WITHIN 24 INCHES OF EDGE OF A.C. PAVEMENT REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
- BITUMINOUS MATERIAL SHALL MEET THE REQUIREMENTS OF SECTIONS 201 AND 320 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- MIXING, SPREADING, AND COMPACTING OF BITUMINOUS PAVEMENT SHALL BE DONE ONLY WHEN THE SURFACE ON WHICH THE MATERIALS ARE TO BE PLACED IS DRY AND WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50 DEGREES FAHRENHEIT AND HAS NOT BEEN BELOW 40 DEGREES FAHRENHEIT DURING THE PRECEDING 24 HOURS.
- FINISHED SURFACE VARIATIONS SHALL BE 0 TO 0.25 INCHES ABOVE EXISTING SURFACE. ALL HUMPS EXCEEDING THIS TOLERANCE SHALL BE CORRECTED BY REMOVAL OF MATERIAL AND REPLACING IT WITH NEW MATERIAL. FINISHED SURFACE OF PATCH SHALL NOT BE BELOW EXISTING ADJACENT SURFACE.
- PLANTMIX BITUMINOUS PAVEMENT SURFACE COURSE SHALL BE PG-64-22 TYPE 3 AND SUB SURFACE COURSES SHALL BE PG-64-22 TYPE 3 UNLESS OTHERWISE NOTED.
- PLANTMIX BITMUMINOUS PAVEMENT PATCHES SHALL MATCH EXISTING SECTION OR HAVE A MINIMUM THICKNESS OF 5 INCHES, WHICHEVER IS GREATER.
- PLANS SHALL SPECIFY PAVEMENT PATCH AND AGGREGATE BASE DEPTHS AS SPECIFIED BY THE DESIGN ENGINEER.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	5" AC DEPTH	09/11		CARSON CITY
			PAVEMENT PATCH	DRAWING NO. C-5.1.6
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APPRO\	ved by: <u>///</u>	_ 09/11		09/2011









SEWER ENCASEMENT SECTION

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