

CLEAR CREEK AVENUE SANITARY SEWER EXTENSION

CARSON CITY, NEVADA
PROJECT 5.0023

BOARD OF SUPERVISORS

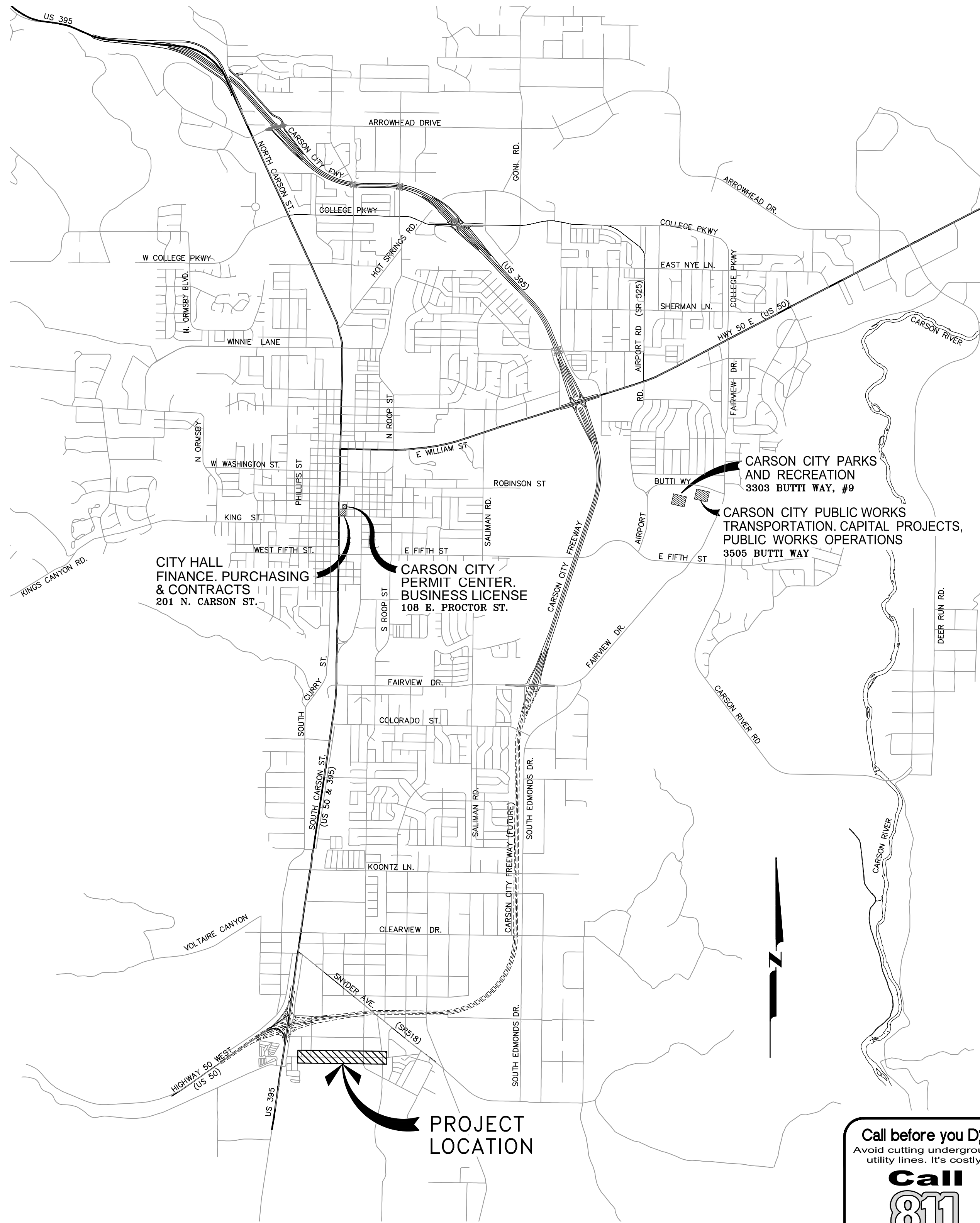
Bob Crowell	Mayor
Karen Abowd	Supervisor
Brad Bonkowski	Supervisor
Lori Bagwell	Supervisor
Jim Shirk	Supervisor
Sue Merriwether	City Clerk

DESIGNED FOR:

CARSON CITY PUBLIC WORKS DEPARTMENT
OPERATIONS DIVISION
3505 BUTTI WAY
CARSON CITY, NV 89701
775-887-2355

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS PER NAC 445A.67145 (1)(c) AND 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.
- ALL TRAFFIC CONTROL AND BARRICAADING 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.
- 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.
- 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 RECORDS, THE CONTRACTOR SHALL SCHEDULE INSPECTIONS PER THE CONTRACT DOCUMENTS.
- 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.
- 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.
- THE APPROVED PLAN, PERMIT AND INSPECTION RECORD MUST BE ON THE JOB SITE AT ALL TIMES.
- 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)
- 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).
- 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. POT-HOLING 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.
- 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 CONTRACTORS SAFETY IN, ON, OR NEAR THE CONSTRUCTION SITE.
- 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.
- ALL PVC WATER PIPELINES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH AWWA STANDARD C605 PER NAC 445A.67145 (7)(b) PRIOR TO BEING FLUSHED, DISINFECTED OR SAMPLED FOR AN ANALYSIS OF WATER QUALITY. ALL PVC WATER PIPELINES ARE TO BE DISINFECTED ACCORDING TO AWWA STANDARD C651 PER NAC 445A.67145 (6)(a).



VICINITY MAP

N.T.S.

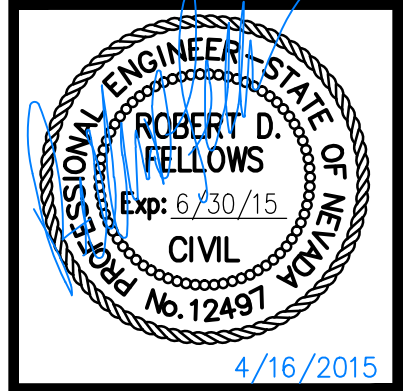


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- C15 STORM DRAIN DETAILS
- C16 PAVING DETAILS
- C17 PAVING DETAILS
- C18 SIGNING & STRIPING PLAN
- C19 SIGNING & STRIPING PLAN

DESIGNED BY: DGR/ADO/RFJ
DRAWN BY: DGR/DLO
CHECKED BY: RFJ
DWG NO.: 50701-15 PHASE-1.DWG
SCALE (HORIZ): N/A
SCALE (VERT): N/A
DATE: 4/15/15

CARSON CITY
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 775-887-2355 FAX: 775-887-2112



REV.	DATE	DESCRIPTION	BY	APP'D

CLEAR CREEK AVENUE
SANITARY SEWER EXTENSION
PROJECT No. 050023
TITLE SHEET

SHEET
G1
OF
23

APPLICATION NO. _____

FOR BIDDING PURPOSE ONLY

LEGEND

Table with columns for EXISTING and PROPOSED symbols, and corresponding descriptions for various engineering elements like BENCH MARK, PROPERTY LINE, EASEMENT LINE, WATER VALVE, WATER LINE, WATER METER, FIRE HYDRANT, AIR RELEASE VALVE, SEWER LINE, SANITARY SEWER MANHOLE, STORM DRAIN CULVERT, STORM DRAIN MANHOLE, CATCH BASIN (SQUARE), DIRECTION OF DRAINAGE FLOW, MAILBOX, TRAFFIC SIGN, DRAINAGE SWALE, GAS LINE, GAS METER, GAS VALVE, OVERHEAD POWER, UTILITY POLE, ELECTRIC MANHOLE, TELEPHONE LINE, CONTOUR LINES, GRADING ELEVATIONS, PROFILE CENTERLINE ELEVATIONS, SAWCUT LINE, PCC CURB & GUTTER TYPE 1, AC PAVEMENT, PCC PAVEMENT, and FENCE LINE.

ABBREVIATIONS

Table listing abbreviations and their full names, such as AB, AGG (AGGREGATE BASE), AC (ASPHALTIC CONCRETE), APN (ASSESSORS' PARCEL NUMBER), APPROX (APPROXIMATE), ARV (AIR RELEASE VALVE), ASTM (AMERICAN SOCIETY FOR TESTING MATERIALS), CATV (CABLE TV), CB (CATCH BASIN), CL (CENTER LINE, CLASS), CMP (CORRUGATED METAL PIPE), CONST (CONSTRUCT), CONC (CONCRETE), DI (DROP INLET), DTL (DETAIL), DIA, Ø (DIAMETER), DWY (DRIVEWAY), EXIST (EXISTING), E (EAST), EA (EACH), EL, ELEV (ELEVATION), ED (EDGE OF PAVEMENT), EQ (EQUAL), FES (FLARED END SECTION), FL (FLOWLINE), FLG (FLANGE), FT (FEET), G (GAS), GB (GRADE BREAK), GV (GAS VALVE/GATE VALVE), HDPE (HIGH DENSITY POLYETHYLENE), HORIZ (HORIZONTAL), HP (HIGH POINT), HV (HYDRANT), HYD (HYDRANT), IE, INV (INVERT ELEVATION), L (LENGTH), LAT (LATERAL), LF (LINEAL FEET), LT (LEFT), MAT'L (MATERIAL), MAX (MAXIMUM), MH (MANHOLE), MJ (MECHANICAL JOINT), MIN (MINIMUM), N (NORTH), NTS (NOT TO SCALE), OHE (OVERHEAD ELECTRIC), PCC (PORTLAND CEMENT CONCRETE), PE (POLYETHYLENE), PL (PROPERTY LINE), PP (POWER POLE), PUE (PUBLIC UTILITY EASEMENT), PVC (POLYVINYLCHLORIDE), PVM (PAVEMENT), R (RADIUS), RCP (REINFORCED CONCRETE PIPE), ROW, RW (RIGHT OF WAY), RT (RIGHT), S (SLOPE, SOUTH), SD (STORM DRAIN), SDMH (STORM DRAIN MANHOLE), SDWK (SIDEWALK), SF (SQUARE FEET), SHT (SHEET), SS (SANITARY SEWER), SSCO (SANITARY SEWER CLEANOUT), SSMH (SANITARY SEWER MANHOLE), ST (STREET), STA (STATION), STD (STANDARD), STL (STEEL), TBC (TOP BACK OF CURB), TC (TOP OF CURB), T, TELE (TELEPHONE), TOG (TOP OF GRATE), TOP (TOP OF PIPE), TYP (TYPICAL), U/G (UNDERGROUND), W (WEST, WATER), WM (WATER METER), W/ (WITH), W/O (WITHOUT), WW (WATER VALVE), X'ING (CROSSING).

CONSTRUCTION NOTES: (MASTER LIST)

- 1. INSTALL 8" PVC C900, DR-18, BELL & SPIGOT WATER MAIN PER STD DRAWING C-1.2.1
2. INSTALL 8"x8" TAPPING SLEEVE PER STD DRAWING C-3.1.3 WITH GATE VALVE PER STD DRAWING C-3.1.4.
3. INSTALL 8" GATE VALVE PER STD DRAWING C-3.1.4.
4. INSTALL 3/4" WATER SERVICE PER STD DRAWING C-3.2.1.
5. INSTALL 3/4" POTABLE WATER AIR RELEASE VALVE PER STD DRAWING C-3.1.10.
6. WATER MAIN CROSSING EXISTING UTILITY PER STD DRAWINGS C-3.1.8 & C3.1.9
7. PROVIDE "SPECIAL CONSTRUCTION" MITIGATION TO AFFECTED LINES AS REQUIRED, PER "WATER/SEWER SEPARATION GUIDELINES". INSTALL MECHANICAL JOINT RESTRAINTS TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. JOINTLESS WELDED OR FUSIBLE PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
8. INSTALL JOINT RESTRAINTS FOR USE ON C-900 PVC PIPE TO LIMITS SHOWN ON PLANS
9. POTHOLE TO VERIFY EXACT DEPTH AND/OR MATERIAL TYPE.
10. ADJUST EXISTING WATER VALVE BOX & COVER TO NEW FINISH GRADE, PER STD. DRAWING C-3.1.4.
11. INSTALL LINE LOCATION BOX & LID, PER STD. DRAWING C-1.2.2. WITH LINE LOCATION RISER, PER STD. DRAWING C-1.2.3 AT ALL HORIZONTAL BEND LOCATIONS.
12. INSTALL FIRE HYDRANT ASSEMBLY PER STD. DRAWING C-3.1.7.
20. INSTALL 48" DIAMETER SEWER MANHOLE TYPE 1, PER STD DRAWING C-2.1.3, ADJUST RIM TO NEW FINISH GRADE PER STD DRAWING C-2.1.5.
21. CONSTRUCT SEWER MAIN TRANSITION TO NEW SEWER MANHOLE PER STD DRAWING C-2.1.6.
22. MODIFY EXISTING SEWER MANHOLE TO INSIDE DROW MANHOLE PER STD DRAWING C-2.1.4.
23. INSTALL SDR35 PVC SEWER MAIN PER STD DRAWING C-1.2.1. (SIZE PER PLAN)
24. INSTALL 4" PVC SDR35 SEWER LATERAL PER STD DRAWING C-2.2.1.
25. RECONSTRUCT EXISTING SANITARY SEWER MANHOLE, PER STD. DRAWING C-2.1.3. RETAIN EXISTING BASE.
30. CONSTRUCT 48" SQUARE CATCH BASIN, PER DETAIL 1, SHEET C15.
31. CONSTRUCT CATCH BASIN TYPE 4R, PER STD. DRAWING C-4.1.5.
32. CONSTRUCT 48" DIAMETER FLAT TOP STORMDRAIN MANHOLE, PER DETAIL 2, SHEET C15.
33. INSTALL STORMDRAIN PIPE (SIZE & MATERIAL PER PLAN), PER STD. DRAWING C-1.2.1.
34. INSTALL PERFORATED (HDPE) STORMDRAIN PIPE, PER DETAIL 3. SHEET C15.
35. REMOVE & SALVAGE EXISTING STORMDRAIN PIPE, DELIVER TO CARSON CITY CORPORATE YARD.
36. ADJUST EXISTING MANHOLE FRAME & COVER TO NEW FINISH GRADE, PER STD. DRAWING C-2.1.5.
37. INSTALL REINFORCED CONCRETE PIPE FLARED END SECTION, SIZE TO MATCH PIPE.
40. PROTECT-IN-PLACE
41. LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6. AND TYPICAL ROADWAY SECTIONS.
42. CONSTRUCT PCC CURB & GUTTER TYPE 1, PER STD. DRAWING C-5.1.3.
43. CONSTRUCT 5' WIDE TYPE "A" PCC SIDEWALK, PER STD. DRAWING C-5.2.2
44. CONSTRUCT PCC RETAINING CURB, PER STD. DRAWING C-5.3.10.
45. CONSTRUCT 6' WIDE PCC VALLEY GUTTER, PER DETAIL 1, SHEET C17.
46. CONSTRUCT PCC DRIVEWAY APRON TYPE 1, PER STD. DRAWING C-5.2.3
47. CONSTRUCT AC DRIVEWAY APRON FOR RURAL ROADS, PER STD. DRAWING C-5.2.5.
48. CONSTRUCT PCC DRIVEWAY APRON FOR RURAL ROADS, PER STD. DRAWING C-5.2.5.
49. CONSTRUCT PARALLEL CURB RAMP APEX, PER STD. DRAWING C-5.3.5.
50. CONSTRUCT LINEAR CURB RAMP SINGLE ADJACENT, PER STD. DRAWING C-5.3.8.
51. CONSTRUCT MID BLOCK CURB RAMP, PER STD. DRAWING C-5.3.9.
61. PAINT 24" WIDE SOLID WHITE STOP BAR PER STD. DRAWING C-5.4.3
61. PAINT 6" WIDE SOLID WHITE LANE LINE
62. PAINT 6" WIDE WHITE DOTTED LINE (2' STRIPE, 6" SPACE)
63. PAINT 4" WIDE SOLID DOUBLE YELLOW CENTERLINE STRIPE
64. PAINT 4" WIDE YELLOW CENTERLINE SKIP STRIPE (7' STRIPE, 21' SPACE)
65. PAINT SOLID WHITE BICYCLE WITH ARROW LEGEND AS SHOWN
66. INSTALL NEW SIGN AND POST PER STD. DRAWING C-5.4.2
67. REINSTALL EXISTING TRAFFIC SIGN AND POST PER STD. DRAWING C-5.4.2

DESIGNED BY: DGR/RFJ
DRAWN BY: DGR
CHECKED BY: RFJ
DWG NO.: 50701-15 PHASE-1.DWG
SCALE (HORIZ): N/A
SCALE (VERT): N/A
DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 775-887-2355 FAX: 775-887-2112

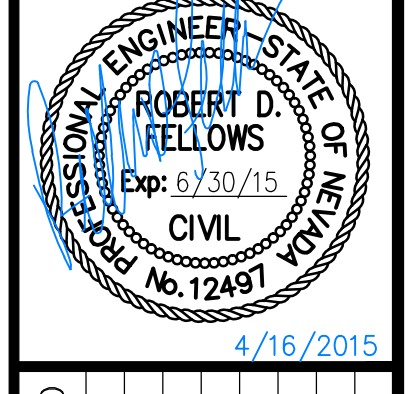
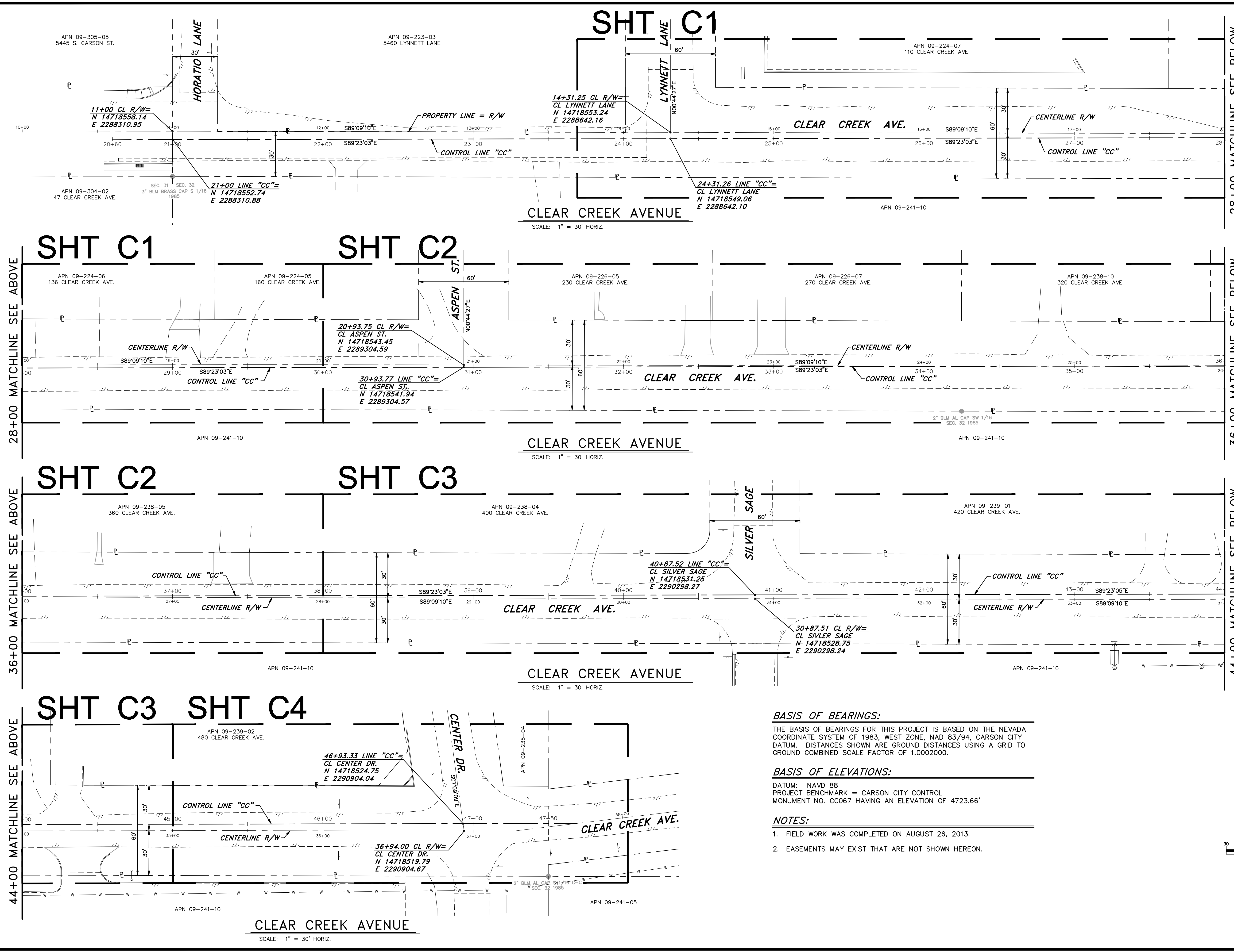


Table with columns: REV., DATE, DESCRIPTION, BY, APP'D

CLEAR CREEK AVENUE
SANITARY SEWER EXTENSION
PROJECT No. 050023
NOTES, LEGEND & ABBREVIATIONS

FOR BIDDING PURPOSE ONLY

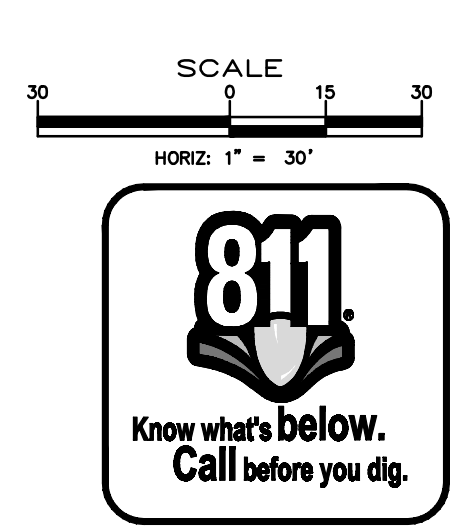
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BASIS OF BEARINGS:
 THE BASIS OF BEARINGS FOR THIS PROJECT IS BASED ON THE NEVADA COORDINATE SYSTEM OF 1983, WEST ZONE, NAD 83/94, CARSON CITY DATUM. DISTANCES SHOWN ARE GROUND DISTANCES USING A GRID TO GROUND COMBINED SCALE FACTOR OF 1.0002000.

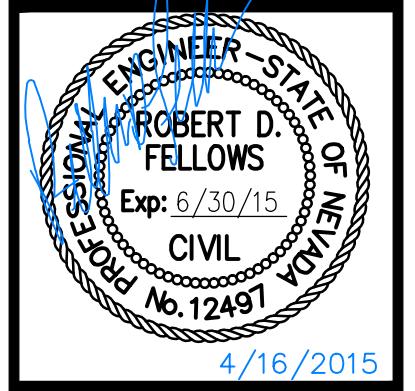
BASIS OF ELEVATIONS:
 DATUM: NAVD 88
 PROJECT BENCHMARK = CARSON CITY CONTROL MONUMENT NO. CC067 HAVING AN ELEVATION OF 4723.66'

NOTES:
 1. FIELD WORK WAS COMPLETED ON AUGUST 26, 2013.
 2. EASEMENTS MAY EXIST THAT ARE NOT SHOWN HEREON.



DESIGNED BY: DGR/RFJ
 DRAWN BY: DGR
 CHECKED BY: RFJ
 DWG NO.: 50701 SEWER PLAN
 SCALE (HORIZ): 1"=30'
 SCALE (VERT): 1"=3'
 PLOT DATE: 4/15/15

CARSON CITY DEPARTMENT
 PUBLIC WORKS DEPARTMENT
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 775-887-2355 FAX: 775-887-2112



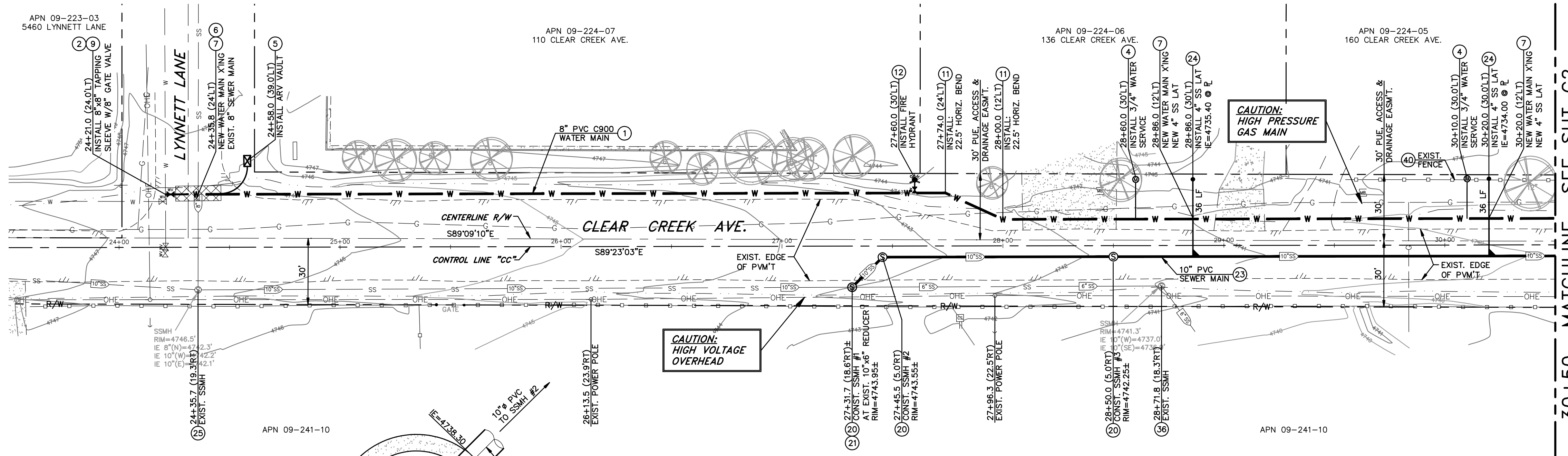
REV.	DATE	DESCRIPTION	BY	APP'D

CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 5.0023
 CLEAR CREEK AVENUE
 HORIZONTAL CONTROL PLAN
 & SHEET INDEX

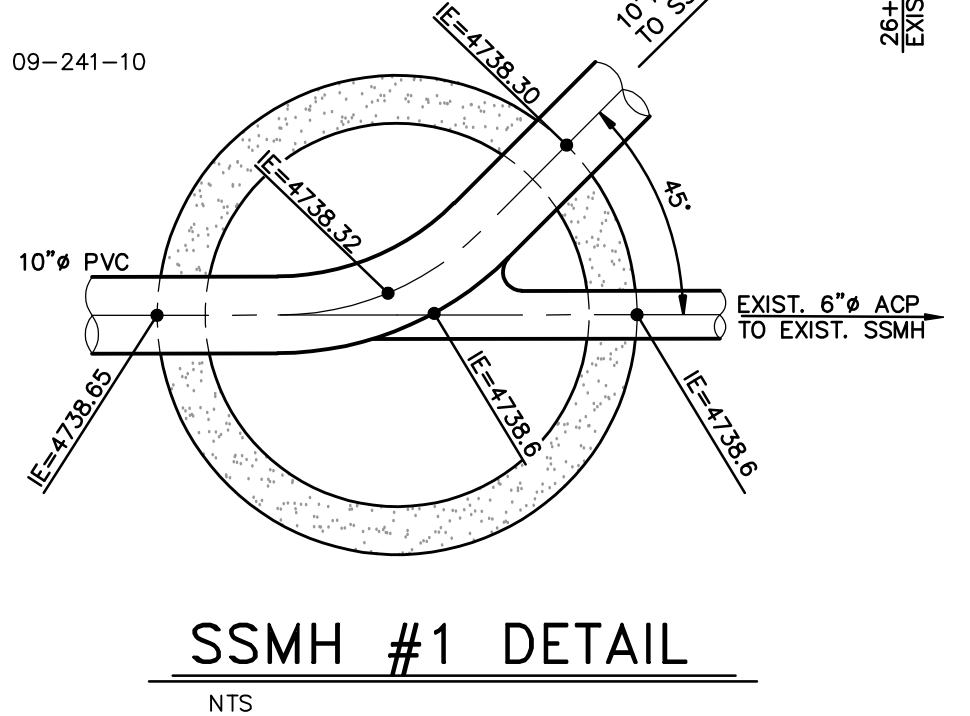
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FOR BIDDING PURPOSES ONLY

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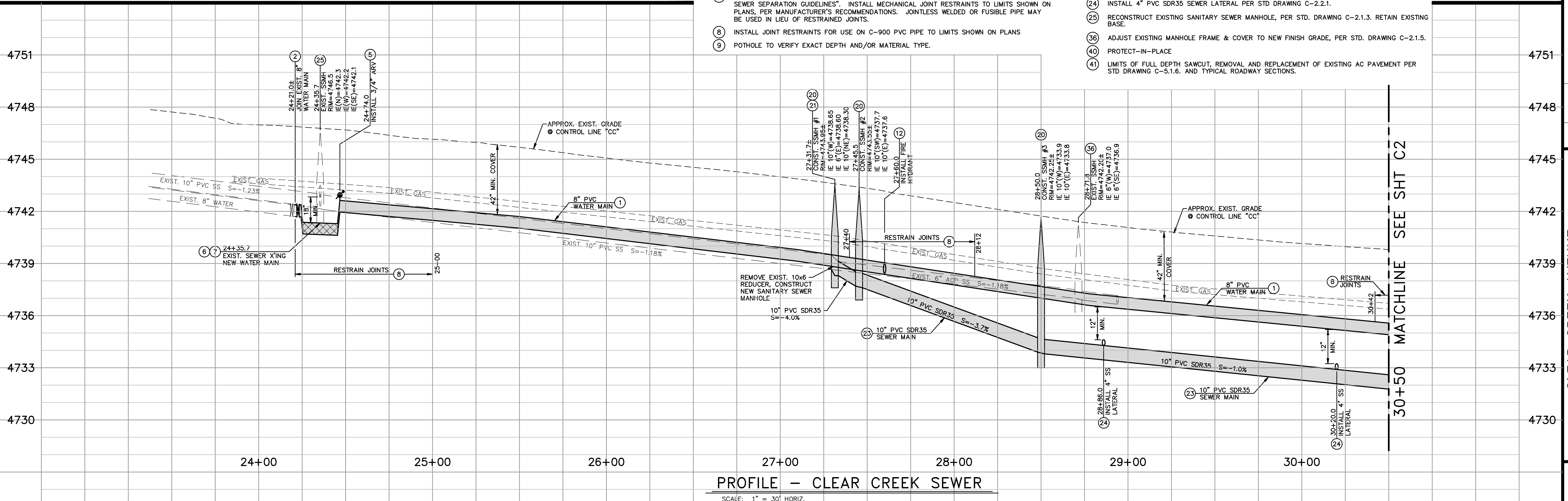
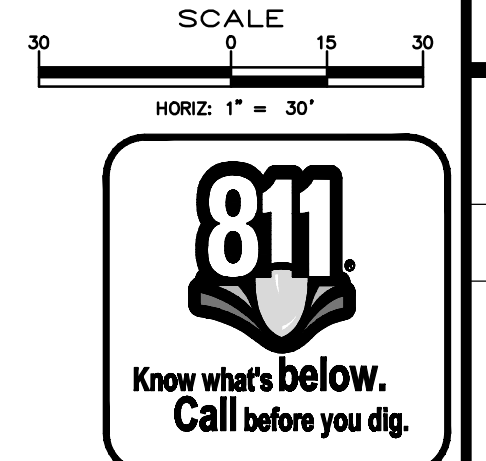
LEGEND
 AREAS OF SPECIAL CONSTRUCTION
 INSTALL RESTRAINING GLANDS ON ALL WATER PIPE JOINTS



PLAN - CLEAR CREEK SEWER
 SCALE: 1" = 30' HORIZ.
 REFERENCE SHEETS C5 TO C10 FOR STREET IMPROVEMENTS

CONSTRUCTION NOTES:

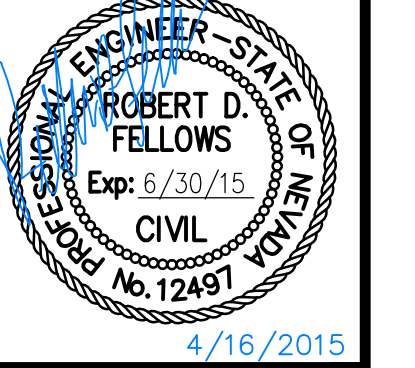
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- 24 INSTALL 4" PVC SDR35 SEWER LATERAL PER STD DRAWING C-2.2.1.
- 25 RECONSTRUCT EXISTING SANITARY SEWER MANHOLE, PER STD. DRAWING C-2.1.3. RETAIN EXISTING BASE.
- 36 ADJUST EXISTING MANHOLE FRAME & COVER TO NEW FINISH GRADE, PER STD. DRAWING C-2.1.5.
- 40 PROTECT-IN-PLACE
- 41 LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6. AND TYPICAL ROADWAY SECTIONS.



PROFILE - CLEAR CREEK SEWER
 SCALE: 1" = 30' HORIZ.
 1" = 3' VERT.

DESIGNED BY: DGR/RDF
 DRAWN BY: DGR
 CHECKED BY: RDF
 DWG NO.: 50701 SEWER PLAN
 SCALE (HORIZ): 1"=30'
 SCALE (VERT): 1"=3'
 PLOT DATE: 4/15/15

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 PUBLIC WORKS**
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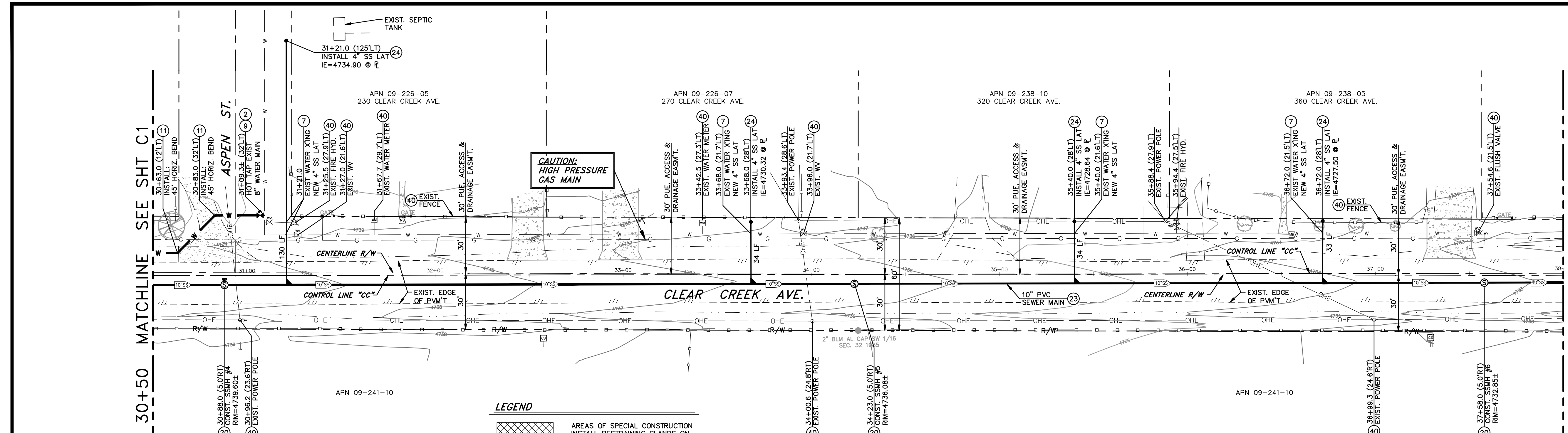
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**CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 5.0023**
**CLEAR CREEK AVENUE
 SEWER PLAN & PROFILE
 STA 24+00 to STA 30+50**

SHEET
C1
 OF
23

FOR BIDDING PURPOSES ONLY

I:\CAPITAL PROJECTS\Projects\500023-ClearCreekSewer\02-Design\Drawg\01-SEWER PLAN.dwg, April 15, 2015

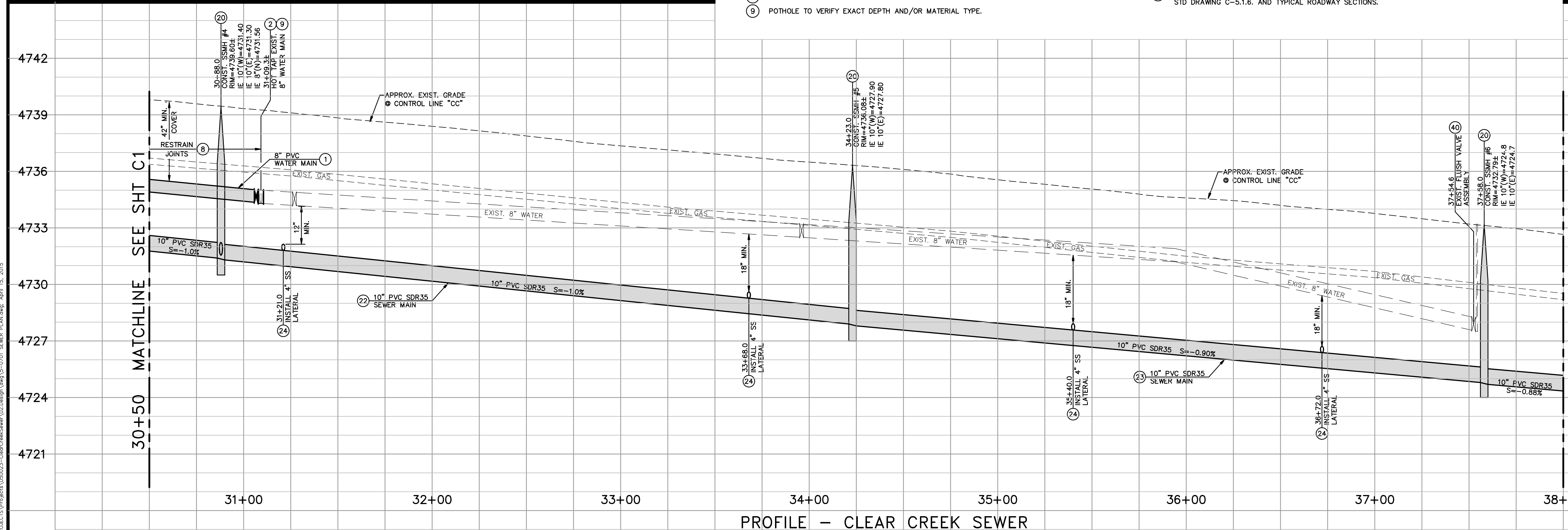
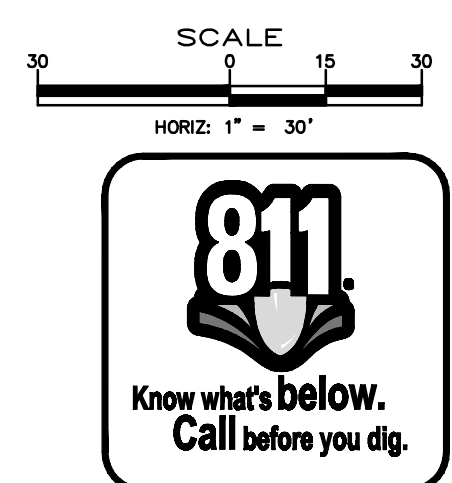


PLAN - CLEAR CREEK SEWER

SCALE: 1" = 30' HORIZ.
 REFERENCE SHEETS C5 TO C10 FOR STREET IMPROVEMENTS

CONSTRUCTION NOTES:

- 1) INSTALL 8" PVC C900, DR-18, BELL & SPIGOT WATER MAIN PER STD DRAWING C-1.2.1
- 2) INSTALL 8"x8" TAPPING SLEEVE PER STD DRAWING C-3.1.3 WITH GATE VALVE PER STD DRAWING C-3.1.4.
- 3) INSTALL 8" GATE VALVE PER STD DRAWING C-3.1.4.
- 7) PROVIDE "SPECIAL CONSTRUCTION" MITIGATION TO AFFECTED LINES AS REQUIRED, PER "WATER/SEWER SEPARATION GUIDELINES". INSTALL MECHANICAL JOINT RESTRAINTS TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. JOINTLESS WELDED OR FUSIBLE PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
- 8) INSTALL JOINT RESTRAINTS FOR USE ON C-900 PVC PIPE TO LIMITS SHOWN ON PLANS
- 9) POTHOLE TO VERIFY EXACT DEPTH AND/OR MATERIAL TYPE.
- 11) INSTALL LINE LOCATION BOX & LID, PER STD. DRAWING C-1.2.2. WITH LINE LOCATION RISER, PER STD. DRAWING C-1.2.3 AT ALL HORIZONTAL BEND LOCATIONS.
- 20) INSTALL 48" DIAMETER SEWER MANHOLE TYPE 1, PER STD DRAWING C-2.1.3, ADJUST RIM TO NEW FINISH GRADE PER STD DRAWING C-2.1.5.
- 23) INSTALL SDR35 PVC SEWER MAIN PER STD DRAWING C-1.2.1. (SIZE PER PLAN)
- 24) INSTALL 4" PVC SDR35 SEWER LATERAL PER STD DRAWING C-2.2.1.
- 40) PROTECT-IN-PLACE
- 41) LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6. AND TYPICAL ROADWAY SECTIONS.

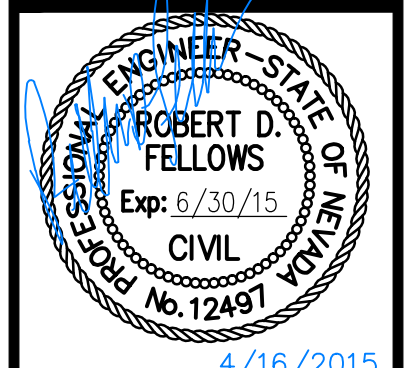


PROFILE - CLEAR CREEK SEWER

SCALE: 1" = 30' HORIZ.
 1" = 3' VERT.

DESIGNED BY: DGR/ROF
 DRAWN BY: DGR
 CHECKED BY: ROF
 DWG NO.: 50701 SEWER PLAN
 SCALE (HORIZ): 1"=30'
 SCALE (VERT): 1"=3'
 PLOT DATE: 4/15/15

**CARSON CITY
 PUBLIC WORKS DEPARTMENT**
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 775-887-2555 FAX: 775-887-2112



REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 5.0023
 CLEAR CREEK AVENUE
 SEWER PLAN & PROFILE
 STA 30+50 to STA 38+00**

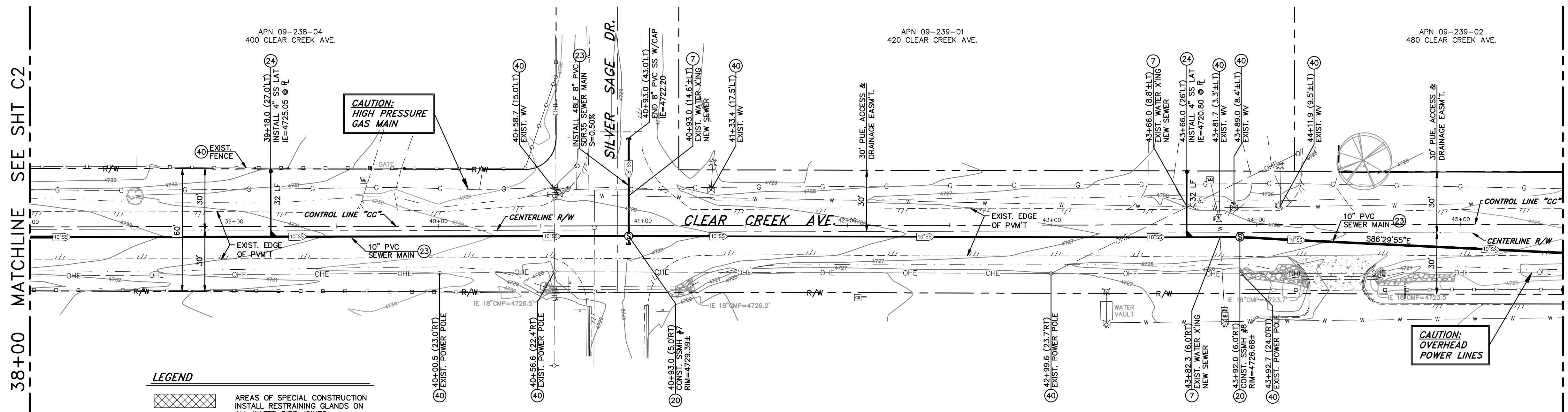
SHEET
C2
 OF
23

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I:\CAPITAL PROJECTS\Projects\000022-ClearCreekSewer\02Design\Plan\0201 SEWER PLAN.dwg April 15, 2015

38+00 MATCHLINE SEE SHT C2

45+50 MATCHLINE SEE SHT C4



LEGEND

AREAS OF SPECIAL CONSTRUCTION
INSTALL RESTRAINING GLANDS ON
ALL WATER PIPE JOINTS

PLAN - CLEAR CREEK SEWER

SCALE: 1" = 30' HORIZ.
REFERENCE SHEETS C5 TO C10 FOR STREET IMPROVEMENTS

CONSTRUCTION NOTES:

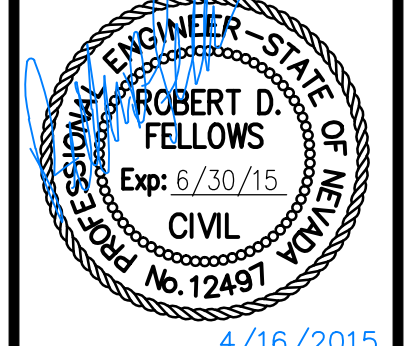
- ⑦ PROVIDE "SPECIAL CONSTRUCTION" MITIGATION TO AFFECTED LINES AS REQUIRED, PER "WATER/SEWER SEPARATION GUIDELINES". INSTALL MECHANICAL JOINT RESTRAINTS TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. JOINTLESS WELDED OR FUSIBLE PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
- ②0 INSTALL 48" DIAMETER SEWER MANHOLE TYPE 1, PER STD DRAWING C-2.1.3, ADJUST RIM TO NEW FINISH GRADE PER STD DRAWING C-2.1.5.
- ②3 INSTALL SDR35 PVC SEWER MAIN PER STD DRAWING C-1.2.1. (SIZE PER PLAN)
- ②4 INSTALL 4" PVC SDR35 SEWER LATERAL PER STD DRAWING C-2.2.1.
- ④0 PROTECT-IN-PLACE
- ④1 LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6. AND TYPICAL ROADWAY SECTIONS.

SCALE
HORIZ: 1" = 30'

DESIGNED BY: DGR/DFD
DRAWN BY: DGR
CHECKED BY: RDF
DWG NO.: 50701 SEWER PLAN
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 4/15/15

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PH: 775-887-2355 FAX: 775-887-2112



REV.	DATE	DESCRIPTION

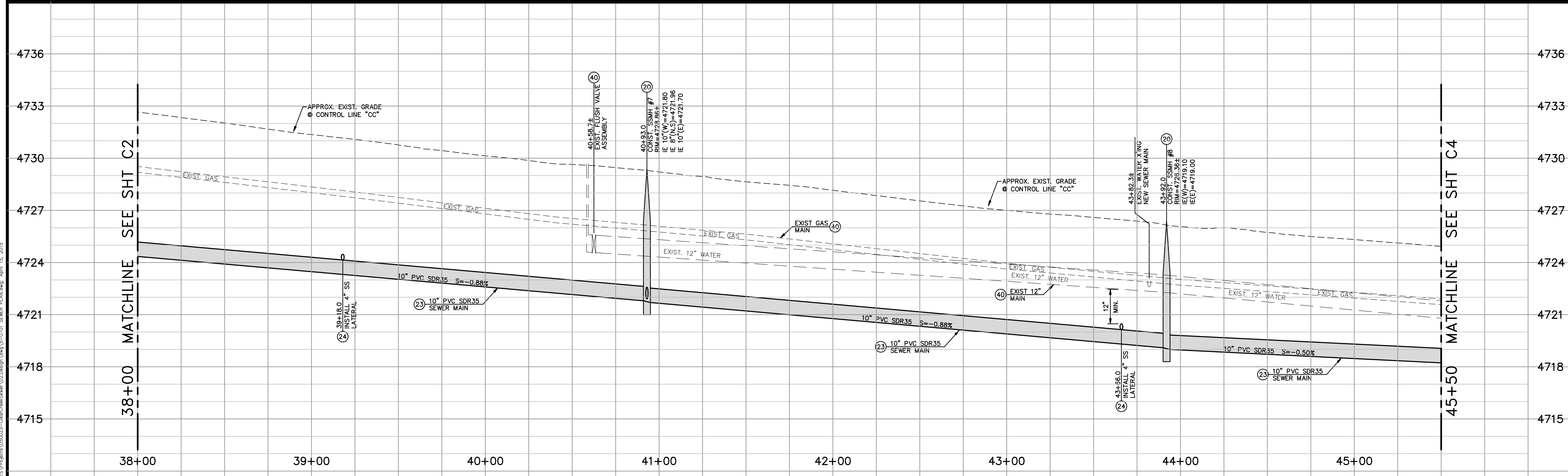
**CLEAR CREEK AVENUE
SANITARY SEWER EXTENSION
PROJECT No. 5.0023
CLEAR CREEK AVENUE
SEWER PLAN & PROFILE
STA 38+00 to STA 45+50**

SHEET
C3
OF
23

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38+00 MATCHLINE SEE SHT C2

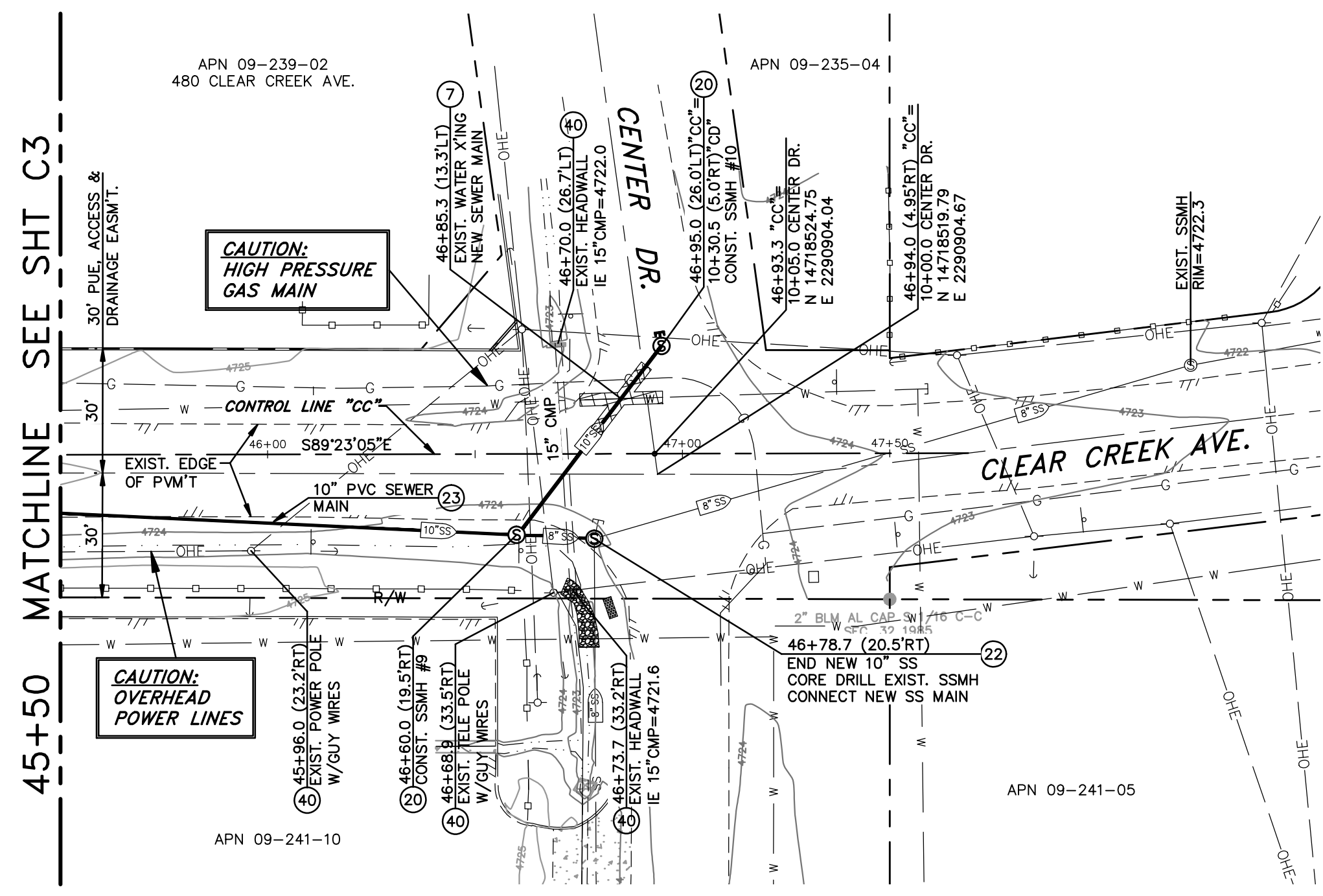
45+50 MATCHLINE SEE SHT C4



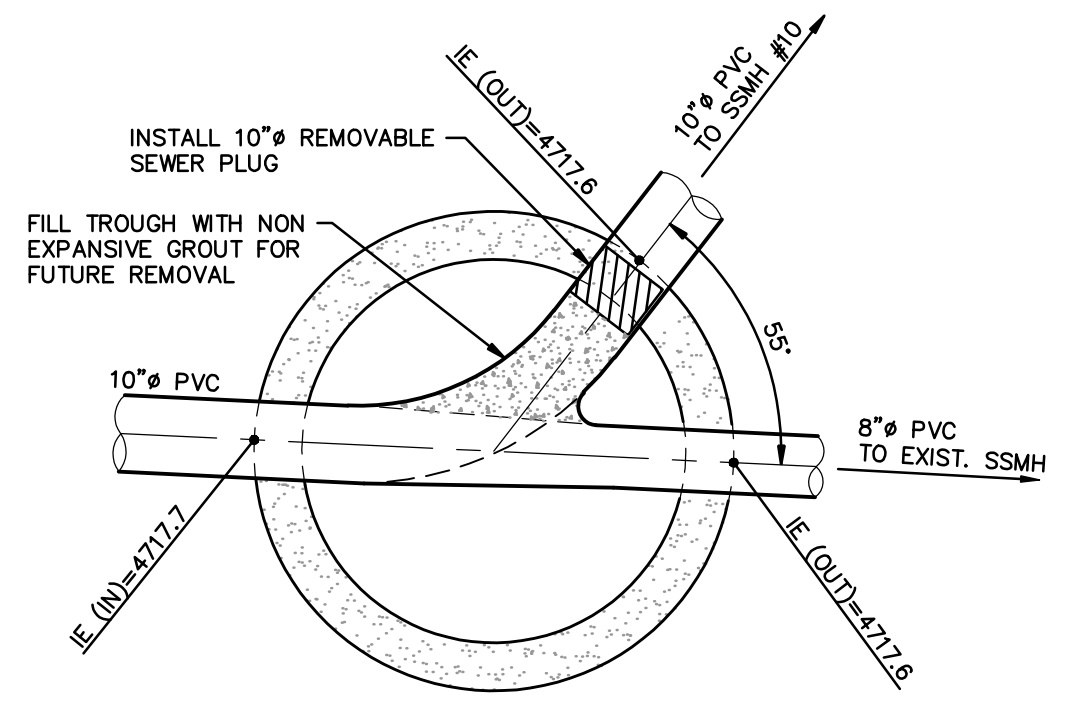
PROFILE - CLEAR CREEK SEWER

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

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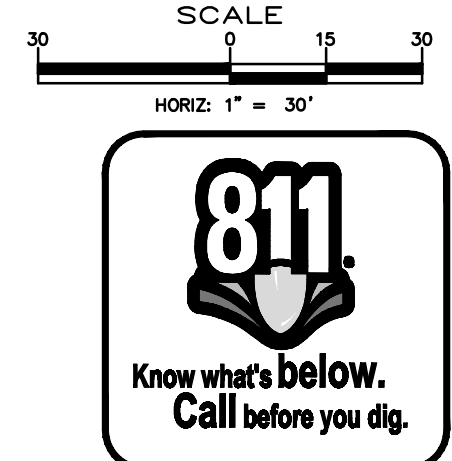
- CONSTRUCTION NOTES:**
- ⑦ PROVIDE "SPECIAL CONSTRUCTION" MITIGATION TO AFFECTED LINES AS REQUIRED, PER "WATER/SEWER SEPARATION GUIDELINES". INSTALL MECHANICAL JOINT RESTRAINTS TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. JOINTLESS WELDED OR FUSIBLE PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
 - ⑳ INSTALL 48" DIAMETER SEWER MANHOLE TYPE 1, PER STD DRAWING C-2.1.3. ADJUST RIM TO NEW FINISH GRADE PER STD DRAWING C-2.1.5.
 - ㉒ MODIFY EXISTING SEWER MANHOLE TO INSIDE DROP MANHOLE PER STD DRAWING C-2.1.4.
 - ㉓ INSTALL SDR35 PVC SEWER MAIN PER STD DRAWING C-1.2.1. (SIZE PER PLAN)
 - ④① PROTECT-IN-PLACE
 - ④② LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6. AND TYPICAL ROADWAY SECTIONS.



SSMH #9 DETAIL
NTS

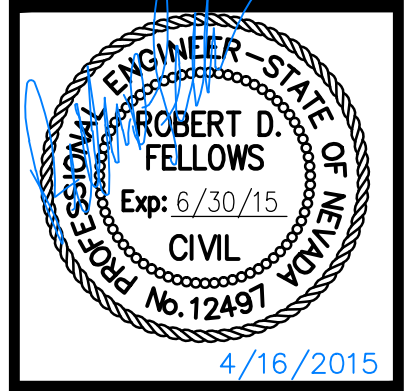
LEGEND
 AREAS OF SPECIAL CONSTRUCTION
 INSTALL RESTRAINING GLANDS ON ALL WATER PIPE JOINTS

PLAN - CLEAR CREEK SEWER
 SCALE: 1" = 30' HORIZ.
 REFERENCE SHEETS C5 TO C10 FOR STREET IMPROVEMENTS

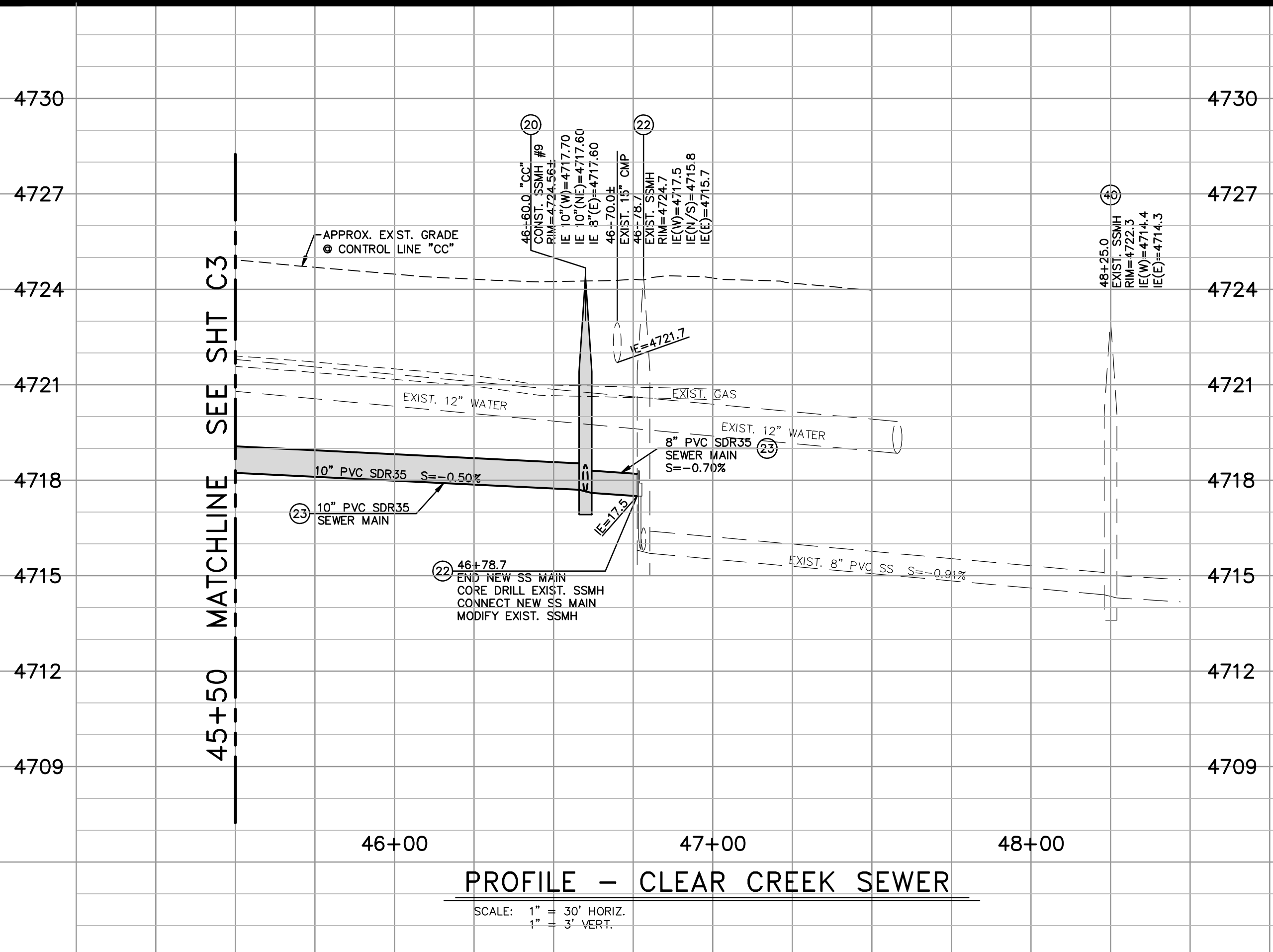


DESIGNED BY: DGR/DFD
 DRAWN BY: DGR
 CHECKED BY: RFD
 DWG NO.: 50701 SEWER PLAN
 SCALE (HORIZ): 1"=30'
 SCALE (VERT): 1"=3'
 PLOT DATE: 4/15/15

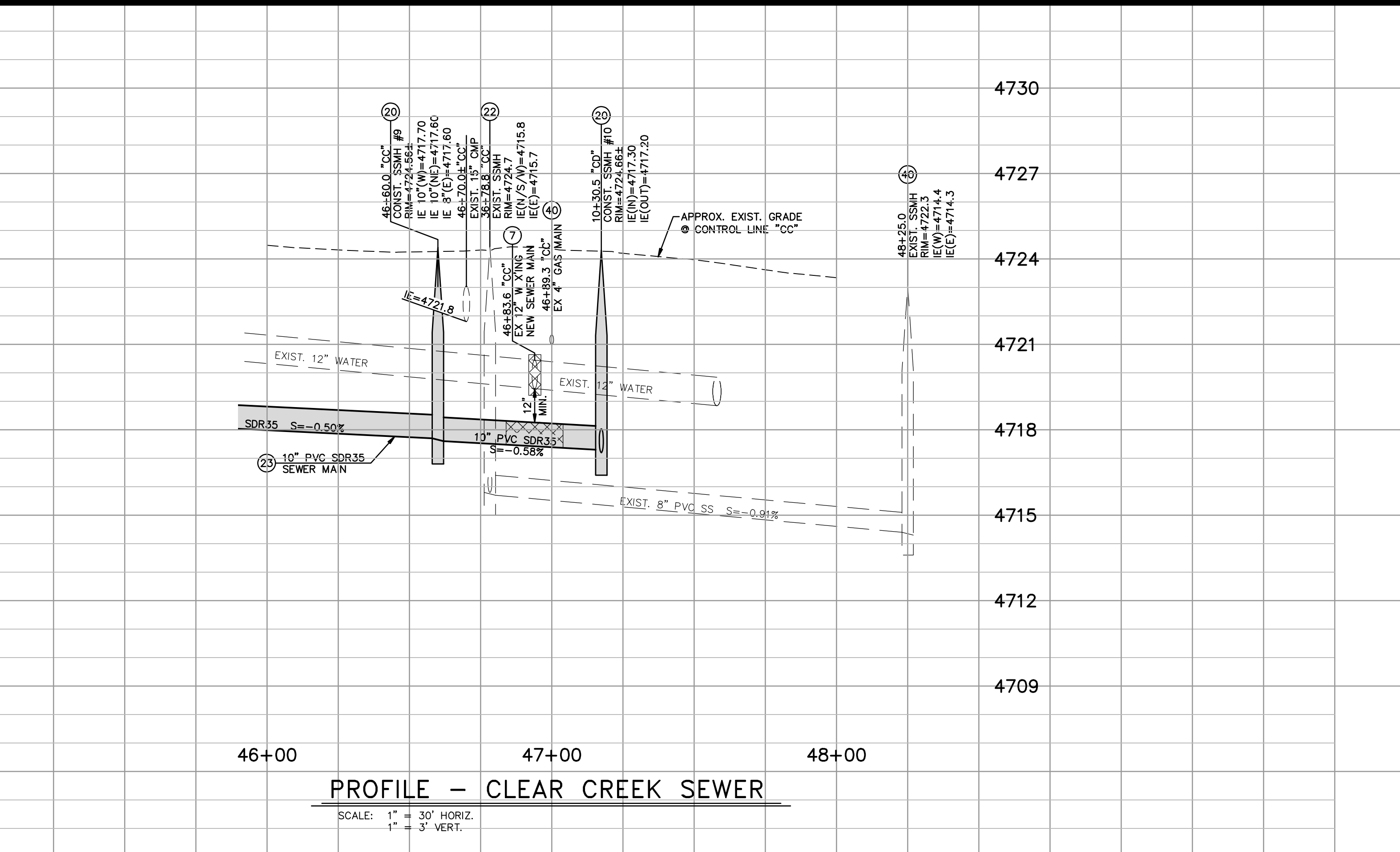
**CARSON CITY DEPARTMENT
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PROFILE - CLEAR CREEK SEWER
 SCALE: 1" = 30' HORIZ.
 1" = 3" VERT.



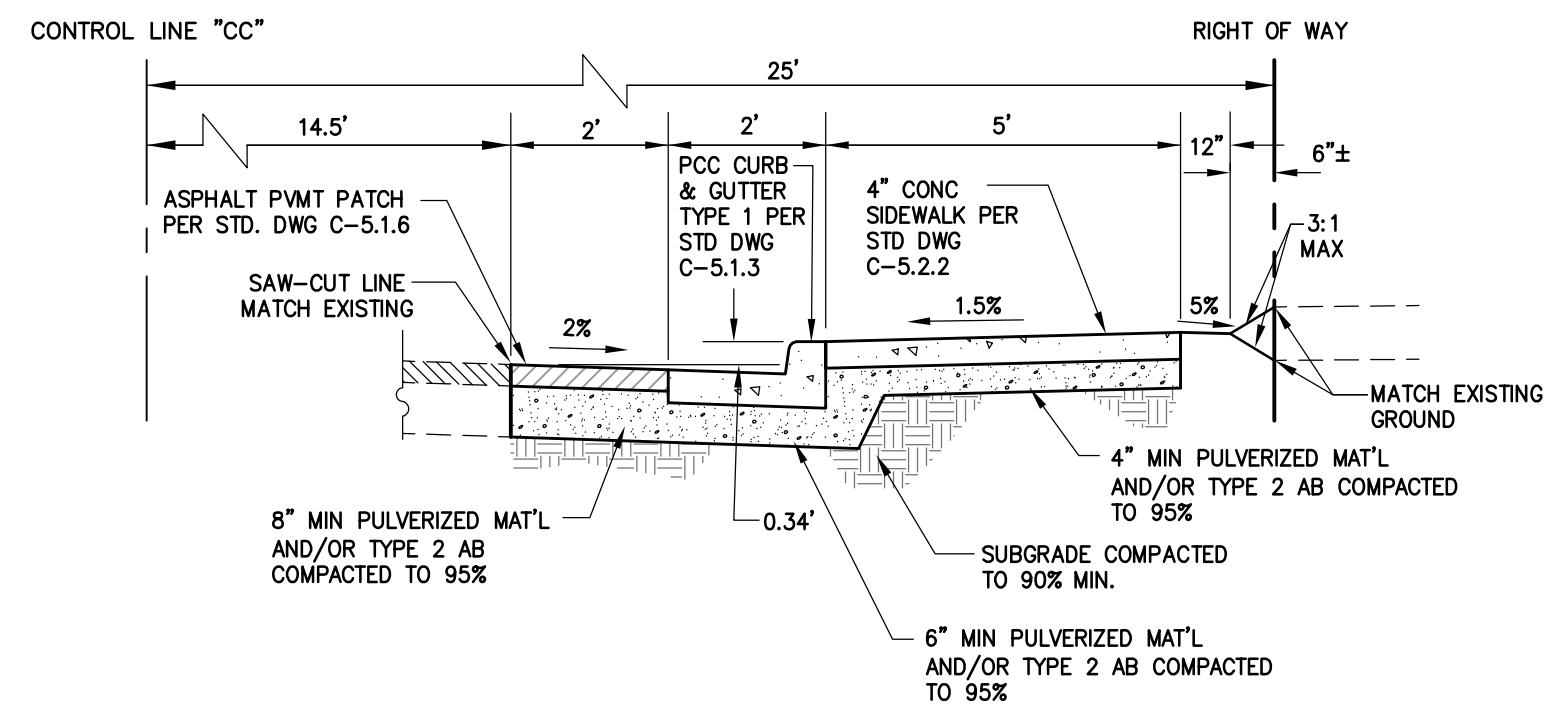
PROFILE - CLEAR CREEK SEWER
 SCALE: 1" = 30' HORIZ.
 1" = 3" VERT.

**CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 5.0023
 CLEAR CREEK AVENUE
 SEWER PLAN & PROFILE
 STA 45+50 to STA 48+00**

SHEET
C4
 OF
23

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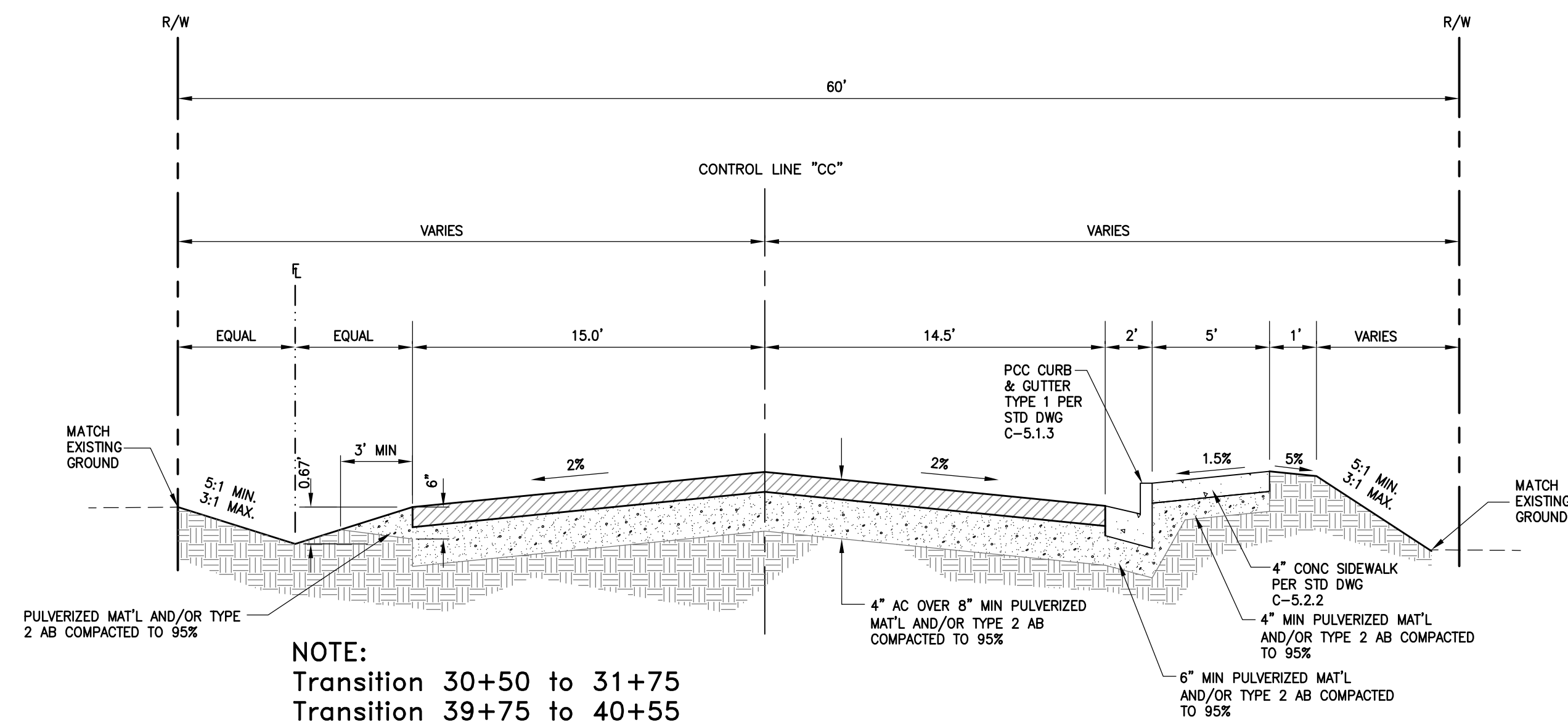
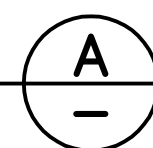
C:\CAPITAL PROJECTS\Projects\000022-ClearCreekSewer\02-Design\Plan\0201-SEWER PLAN.dwg April 15, 2015



PAVEMENT SECTION

STA 20+64 TO 24+15.5

NOT TO SCALE

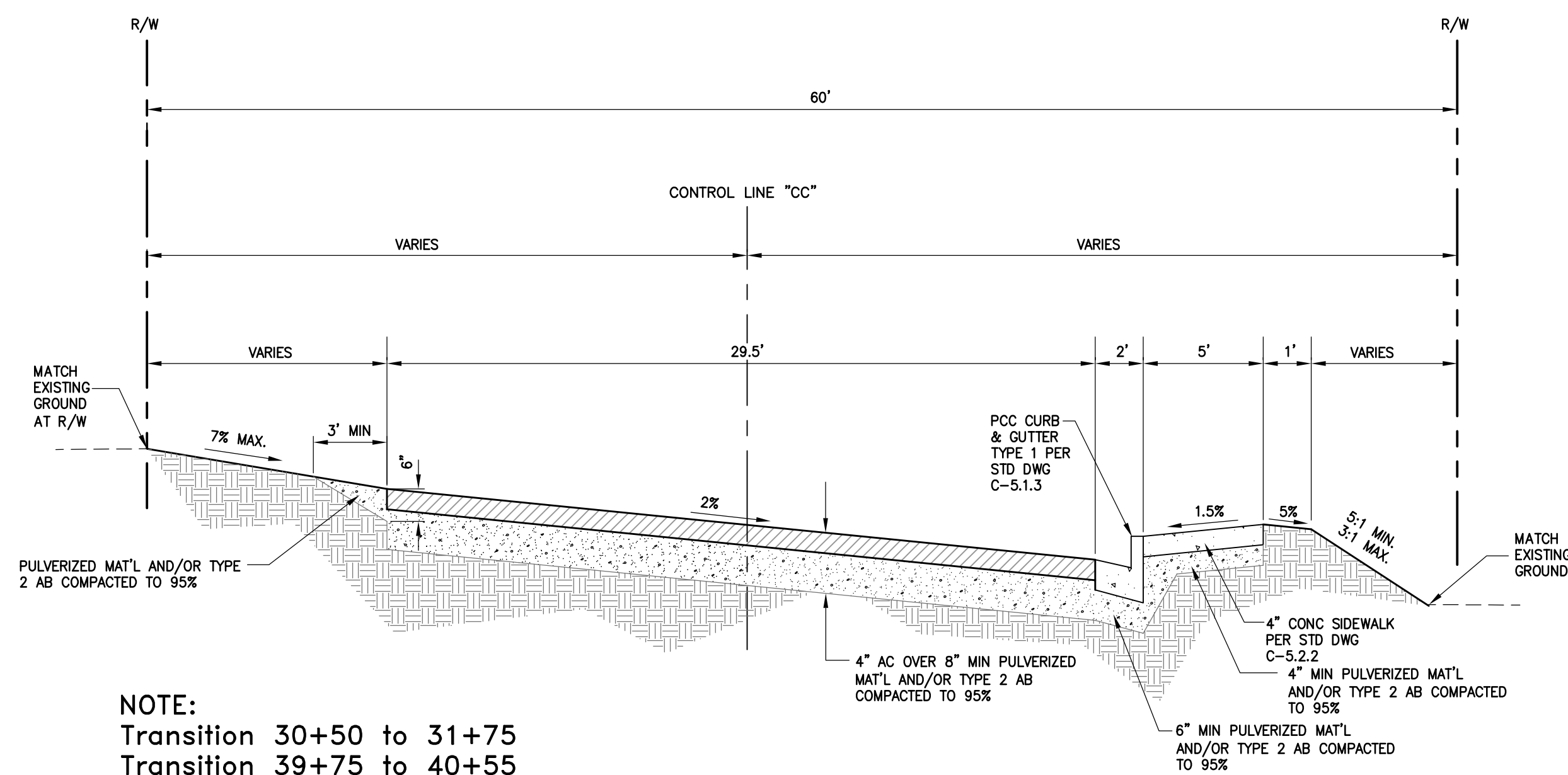
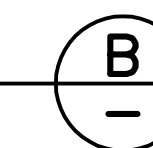


NOTE:
Transition 30+50 to 31+75
Transition 39+75 to 40+55

PAVEMENT SECTION

STA 24+15.5 TO 30+50
STA 40+55 TO 47+50

NOT TO SCALE

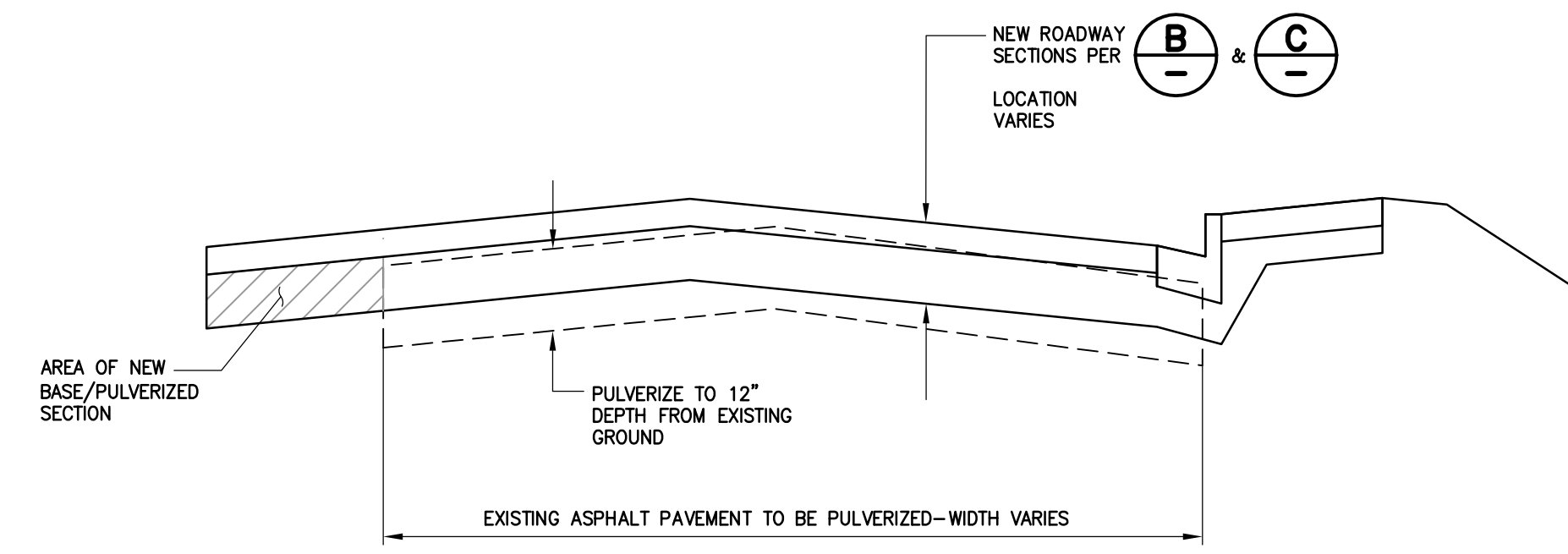
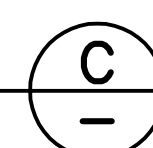


NOTE:
Transition 30+50 to 31+75
Transition 39+75 to 40+55

PAVEMENT SECTION

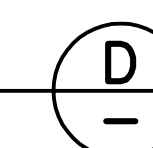
STA 31+75 TO 39+75

NOT TO SCALE



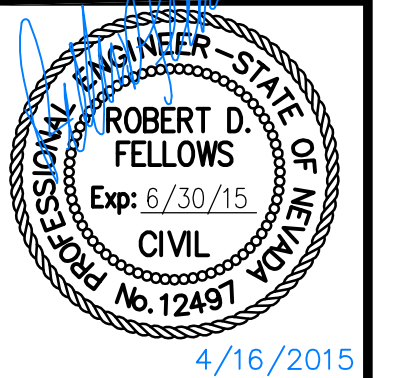
PAVEMENT PULVERIZATION SECTION

NOT TO SCALE



DESIGNED BY: DGR/DLO/RE
DRAWN BY: DGR/DLO
CHECKED BY: DGR/RF
DWG NO.: 5-0701 street plan.dwg
SCALE (HORIZ): AS SHOWN
SCALE (VERT): N/A
PLOT DATE: 4/15/15

**CARSON CITY
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3505 BUTTI WAY
CARSON CITY, NEVADA 89701
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FAX: 887-2112



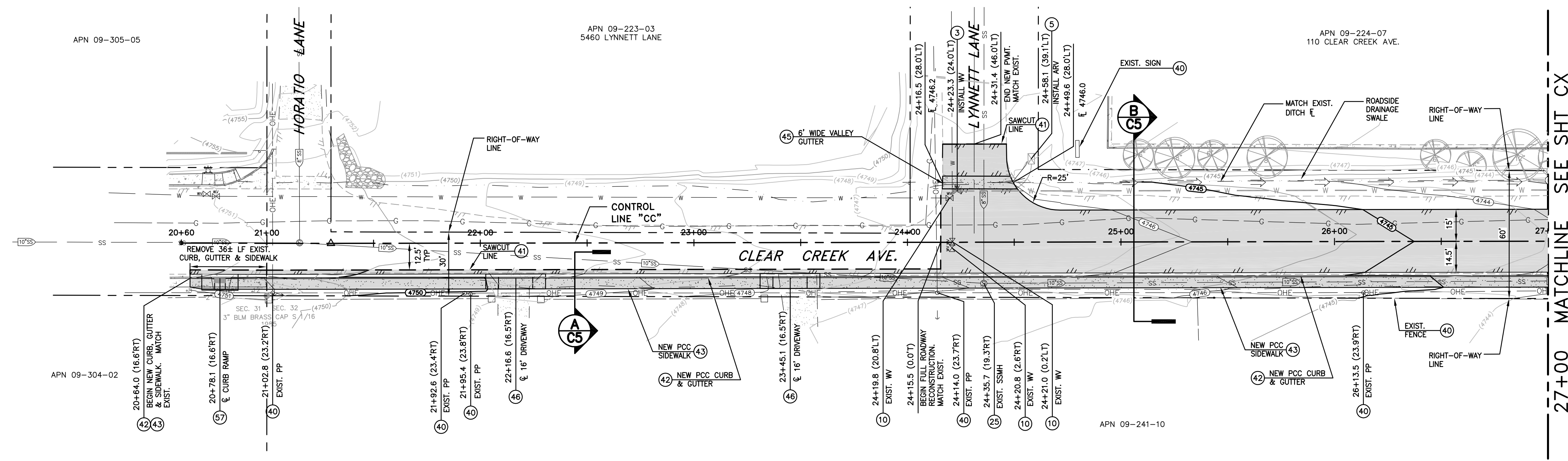
REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
SANITARY SEWER EXTENSION
PROJECT No. 5.0023
CLEAR CREEK AVENUE
STREET PLANS
TYPICAL ROADWAY SECTIONS**

SHEET
OF
23

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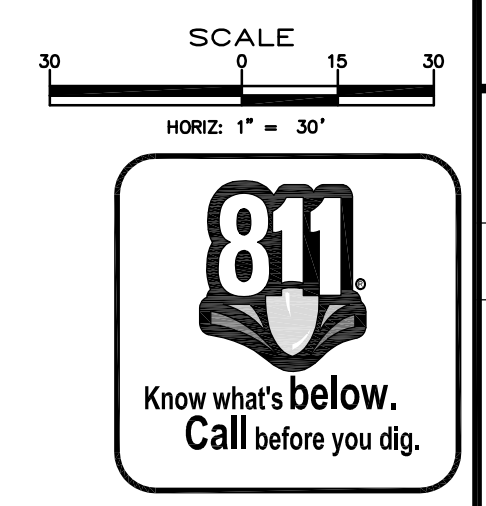


PLAN - CLEAR CREEK AVENUE
SCALE: 1" = 30' HORIZ.

REFERENCE SHEETS C1 TO C4 FOR SEWER & WATER IMPROVEMENTS
REFERENCE SHEET C11 FOR STORMDRAIN PROFILES

CONSTRUCTION NOTES:

- (3) INSTALL 8" GATE VALVE PER STD DRAWING C-3.1.4.
- (5) INSTALL 3/4" POTABLE WATER AIR RELEASE VALVE PER STD DRAWING C-3.1.10.
- (10) ADJUST EXISTING WATER VALVE BOX & COVER TO NEW FINISH GRADE, PER STD. DRAWING C-3.1.4.
- (25) RECONSTRUCT EXISTING SANITARY SEWER MANHOLE, PER STD. DRAWING C-2.1.3. RETAIN EXISTING BASE.
- (40) PROTECT-IN-PLACE
- (41) LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6. AND TYPICAL ROADWAY SECTIONS.
- (42) CONSTRUCT PCC CURB & GUTTER TYPE 1, PER STD. DRAWING C-5.1.3.
- (43) CONSTRUCT 5' WIDE TYPE "A" PCC SIDEWALK, PER STD. DRAWING C-5.2.2.
- (45) CONSTRUCT 6' WIDE PCC VALLEY GUTTER, PER DETAIL 1, SHEET C17.
- (46) CONSTRUCT PCC DRIVEWAY APRON TYPE 1, PER STD. DRAWING C-5.2.3.
- (51) CONSTRUCT MID BLOCK CURB RAMP, PER STD. DRAWING C-5.3.9.



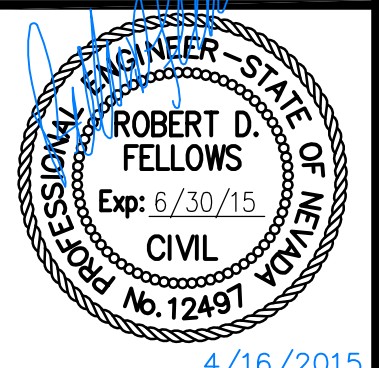
REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
SANITARY SEWER EXTENSION
PROJECT No. 5.0023**
**CLEAR CREEK AVENUE
STREET PLAN & PROFILE
STA 20+00 to STA 27+00**

SHEET
C6
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23

DESIGNED BY: DGR/DLO/RF
DRAWN BY: DGR/DLO
CHECKED BY: DGR/RF
DWG NO.: 5-0701_street_plan.dwg
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 4/15/15

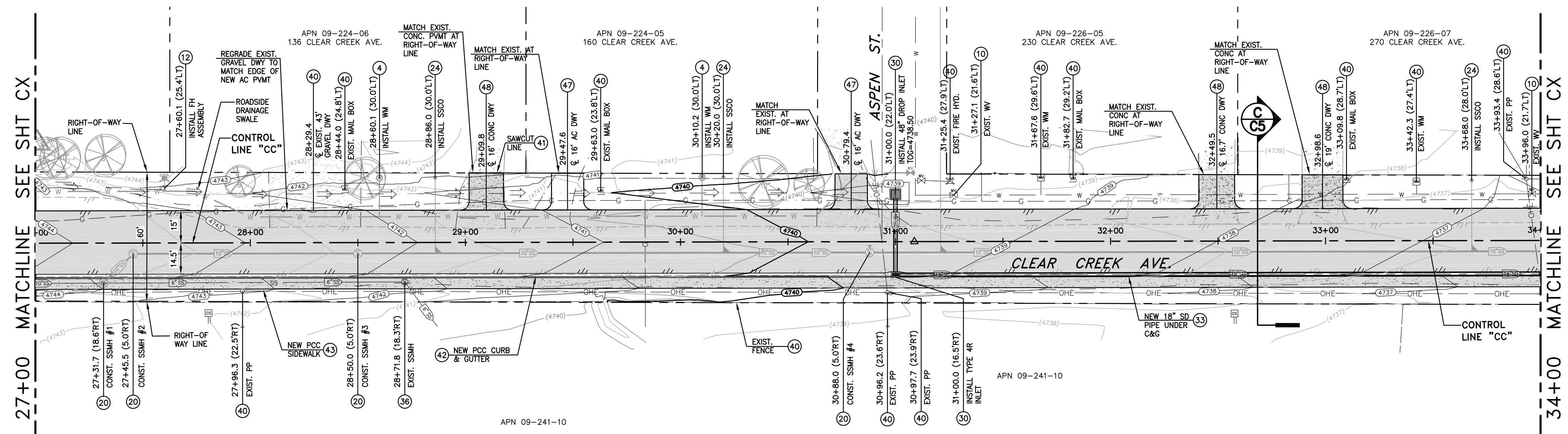
**CARSON CITY
PUBLIC WORKS DEPARTMENT**
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 775-887-2355 FAX: 775-887-2112



4/16/2015

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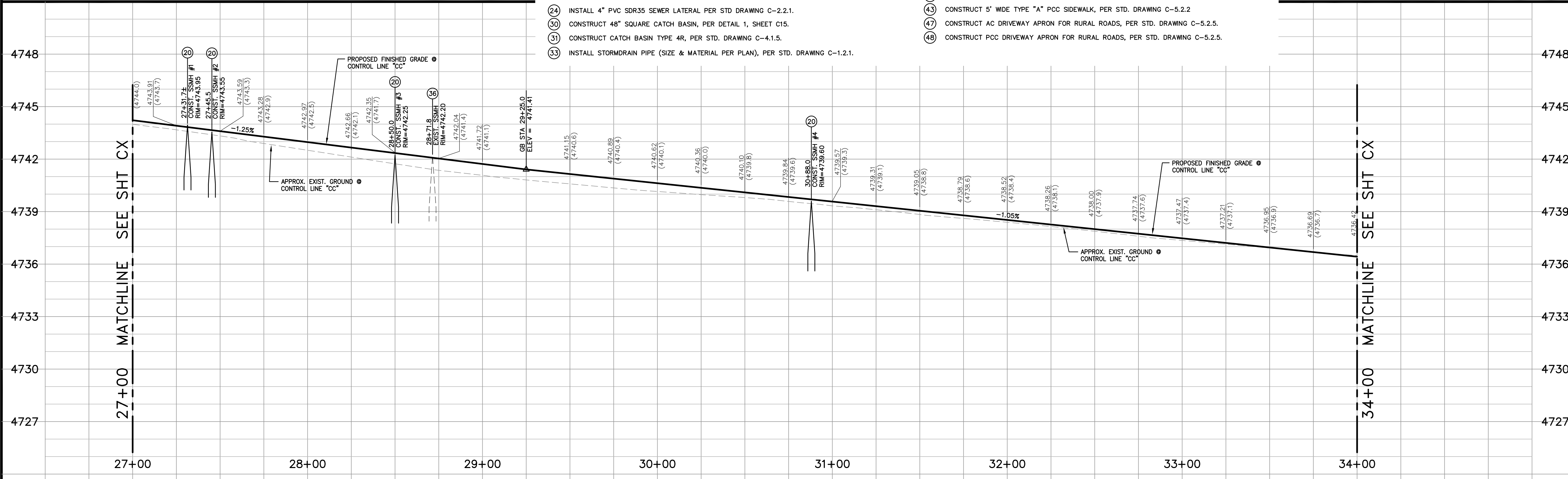
PLAN - CLEAR CREEK AVENUE

SCALE: 1" = 30' HORIZ.

REFERENCE SHEETS C1 TO C4 FOR SEWER & WATER IMPROVEMENTS
REFERENCE SHEET C11 FOR STORMDRAIN PROFILES

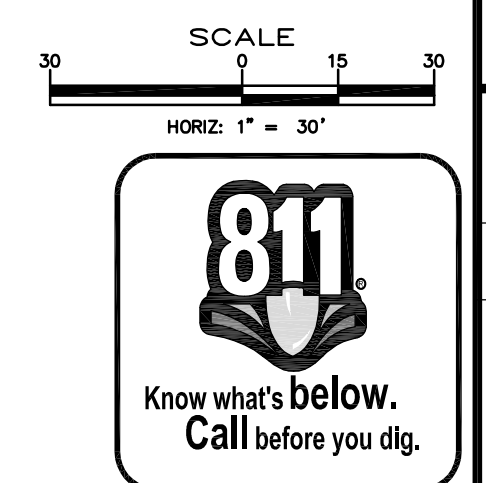
CONSTRUCTION NOTES:

- 4 INSTALL 3/4" WATER SERVICE PER STD DRAWING C-3.2.1.
- 10 ADJUST EXISTING WATER VALVE BOX & COVER TO NEW FINISH GRADE, PER STD. DRAWING C-3.1.4.
- 12 INSTALL FIRE HYDRANT ASSEMBLY PER STD. DRAWING C-3.1.7.
- 20 INSTALL 48" DIAMETER SEWER MANHOLE TYPE 1, PER STD DRAWING C-2.1.3, ADJUST RIM TO NEW FINISH GRADE PER STD DRAWING C-2.1.5.
- 24 INSTALL 4" PVC SDR35 SEWER LATERAL PER STD DRAWING C-2.2.1.
- 30 CONSTRUCT 48" SQUARE CATCH BASIN, PER DETAIL 1, SHEET C15.
- 31 CONSTRUCT CATCH BASIN TYPE 4R, PER STD. DRAWING C-4.1.5.
- 33 INSTALL STORMDRAIN PIPE (SIZE & MATERIAL PER PLAN), PER STD. DRAWING C-1.2.1.
- 36 ADJUST EXISTING MANHOLE FRAME & COVER TO NEW FINISH GRADE, PER STD. DRAWING C-2.1.5.
- 40 PROTECT-IN-PLACE
- 41 LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6. AND TYPICAL ROADWAY SECTIONS.
- 42 CONSTRUCT PCC CURB & GUTTER TYPE 1, PER STD. DRAWING C-5.1.3.
- 43 CONSTRUCT 5' WIDE TYPE "A" PCC SIDEWALK, PER STD. DRAWING C-5.2.2.
- 47 CONSTRUCT AC DRIVEWAY APRON FOR RURAL ROADS, PER STD. DRAWING C-5.2.5.
- 48 CONSTRUCT PCC DRIVEWAY APRON FOR RURAL ROADS, PER STD. DRAWING C-5.2.5.



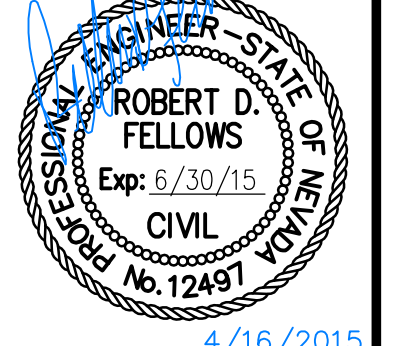
PROFILE - CLEAR CREEK AVENUE

SCALE: 1" = 30' HORIZ.
1" = 3' VERT.



DESIGNED BY: DGR/DLO/RE
DRAWN BY: DGR/DLO
CHECKED BY: DGR/RE
DWG NO.: 5-0701_street_plan.dwg
SCALE (HORIZ): 1" = 30'
SCALE (VERT): 1" = 3'
PLOT DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 775-887-2355 FAX: 775-887-2112



4/16/2015

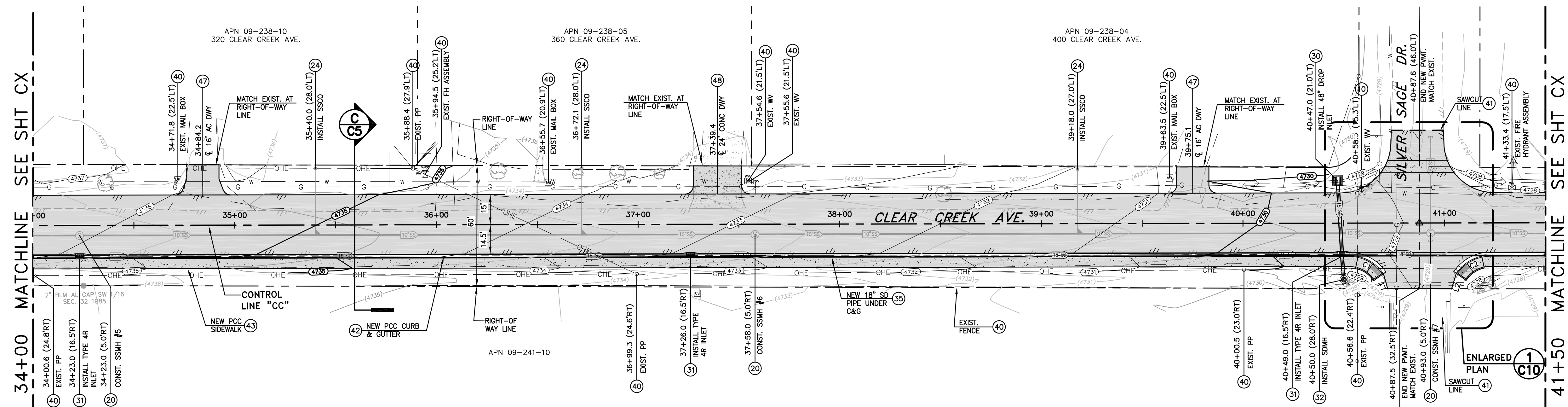
REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
SANITARY SEWER EXTENSION
PROJECT No. 5.0023
CLEAR CREEK AVENUE
STREET PLAN & PROFILE
STA 27+00 to STA 34+00**

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PLAN - CLEAR CREEK AVENUE

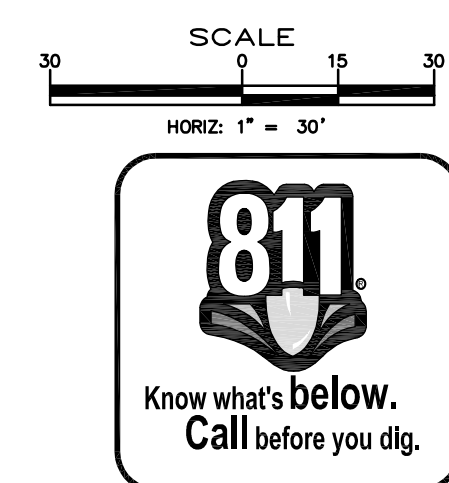
SCALE: 1" = 30' HORIZ.
 REFERENCE SHEETS C1 TO C4 FOR SEWER & WATER IMPROVEMENTS
 REFERENCE SHEET C11 FOR STORMDRAIN PROFILES

CONSTRUCTION NOTES:

- 10) ADJUST EXISTING WATER VALVE BOX & COVER TO NEW FINISH GRADE, PER STD. DRAWING C-3.1.4.
- 20) INSTALL 48" DIAMETER SEWER MANHOLE TYPE 1, PER STD DRAWING C-2.1.3, ADJUST RIM TO NEW FINISH GRADE PER STD DRAWING C-2.1.5.
- 24) INSTALL 4" PVC SDR35 SEWER LATERAL PER STD DRAWING C-2.2.1.
- 30) CONSTRUCT 48" SQUARE CATCH BASIN, PER DETAIL 1, SHEET C15.
- 31) CONSTRUCT CATCH BASIN TYPE 4R, PER STD. DRAWING C-4.1.5.
- 32) CONSTRUCT 48" DIAMETER FLAT TOP STORMDRAIN MANHOLE, PER DETAIL 2, SHEET C15.
- 33) INSTALL STORMDRAIN PIPE (SIZE & MATERIAL PER PLAN), PER STD. DRAWING C-1.2.1.
- 40) PROTECT-IN-PLACE
- 41) LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6. AND TYPICAL ROADWAY SECTIONS.
- 42) CONSTRUCT PCC CURB & GUTTER TYPE 1, PER STD. DRAWING C-5.1.3.
- 43) CONSTRUCT 5' WIDE TYPE "A" PCC SIDEWALK, PER STD. DRAWING C-5.2.2.
- 47) CONSTRUCT AC DRIVEWAY APRON FOR RURAL ROADS, PER STD. DRAWING C-5.2.5.
- 48) CONSTRUCT PCC DRIVEWAY APRON FOR RURAL ROADS, PER STD. DRAWING C-5.2.5.

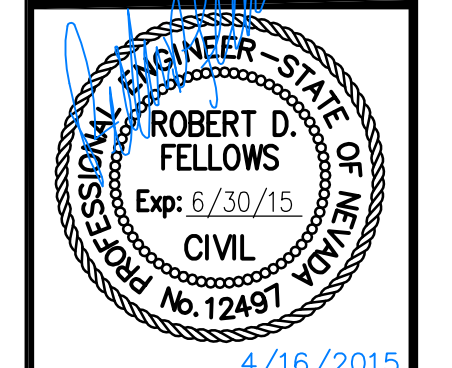
LINE AND CURVE TABLE

Line & Curve #	Length	Bearing/Delta	Radius	Tangent
C1	19.61'	S61°1'01"	20.00'	10.68'
C2	19.47'	S5°46'42"	20.00'	10.58'
L1	7.64'	S15° 06' 45"E		
L2	7.95'	N17° 27' 09"E		



DESIGNED BY: DGR/DLO/RF
 DRAWN BY: DGR/DLO
 CHECKED BY: DGR/RF
 DWG NO.: 5-0701_street_plan.dwg
 SCALE (HORIZ): 1"=30'
 SCALE (VERT): 1"=3'
 PLOT DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 775-887-2355 FAX: 775-887-2112



REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 5.0023
 CLEAR CREEK AVENUE
 STREET PLAN & PROFILE
 STA 34+00 to STA 41+50**

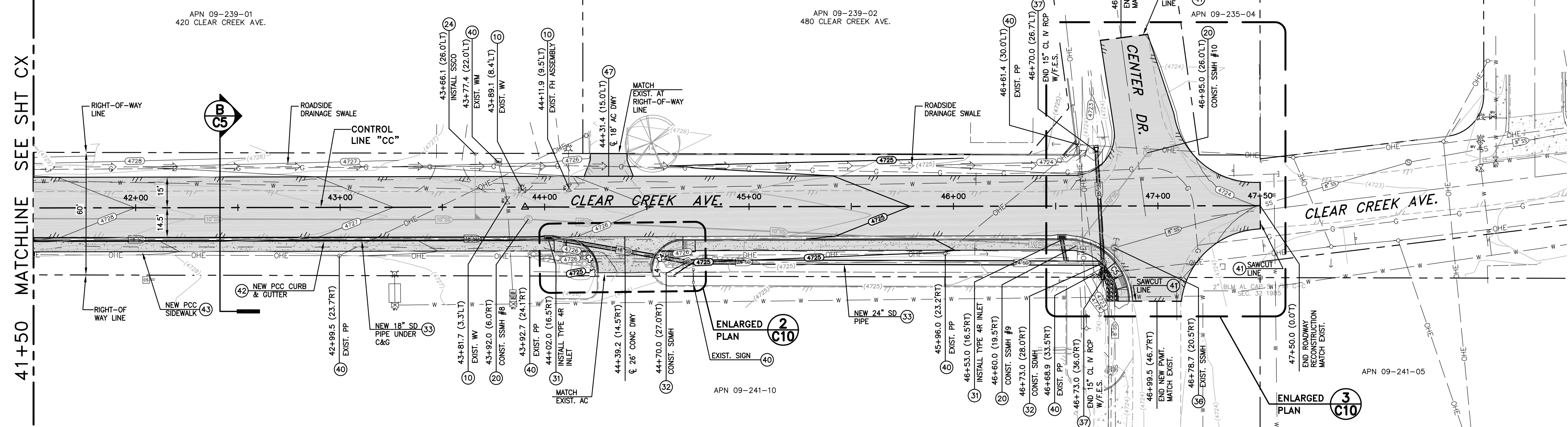
SHEET
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 OF
23

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41+50 MATCHLINE SEE SHT CX

41+50 MATCHLINE SEE SHT CX



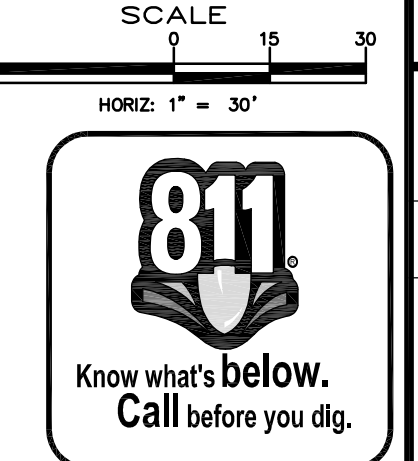
PLAN - CLEAR CREEK AVENUE

SCALE: 1" = 30' HORIZ.
 REFERENCE SHEETS C1 TO C4 FOR SEWER & WATER IMPROVEMENTS
 REFERENCE SHEET C11 FOR STORMDRAIN PROFILES

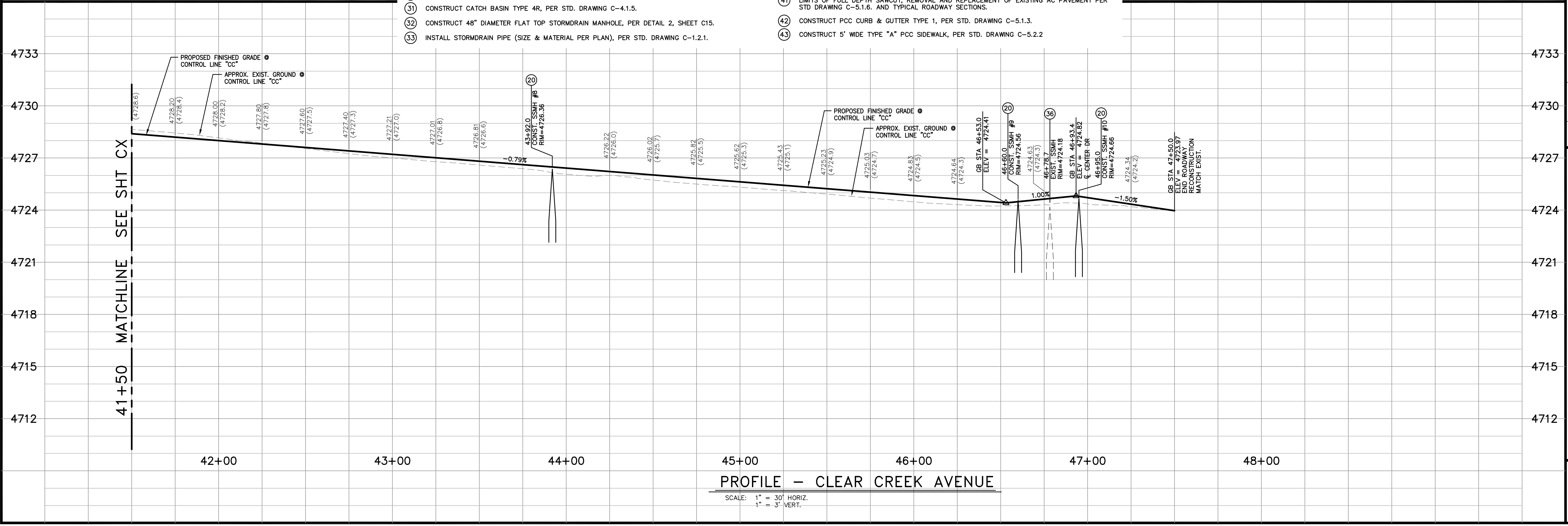
CONSTRUCTION NOTES:

- (10) ADJUST EXISTING WATER VALVE BOX & COVER TO NEW FINISH GRADE, PER STD. DRAWING C-3.1.4.
- (20) INSTALL 48" DIAMETER SEWER MANHOLE TYPE 1, PER STD DRAWING C-2.1.3, ADJUST RIM TO NEW FINISH GRADE PER STD DRAWING C-2.1.5.
- (24) INSTALL 4" PVC SDR35 SEWER LATERAL PER STD DRAWING C-2.2.1.
- (31) CONSTRUCT CATCH BASIN TYPE 4R, PER STD. DRAWING C-4.1.5.
- (32) CONSTRUCT 48" DIAMETER FLAT TOP STORMDRAIN MANHOLE, PER DETAIL 2, SHEET C15.
- (33) INSTALL STORMDRAIN PIPE (SIZE & MATERIAL PER PLAN), PER STD. DRAWING C-1.2.1.
- (36) ADJUST EXISTING MANHOLE FRAME & COVER TO NEW FINISH GRADE, PER STD. DRAWING C-2.1.5.
- (37) INSTALL REINFORCED CONCRETE PIPE FLARED END SECTION, SIZE TO MATCH PIPE.
- (40) PROTECT-IN-PLACE
- (41) LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6. AND TYPICAL ROADWAY SECTIONS.
- (42) CONSTRUCT PCC CURB & GUTTER TYPE 1, PER STD. DRAWING C-5.1.3.
- (43) CONSTRUCT 5' WIDE TYPE "A" PCC SIDEWALK, PER STD. DRAWING C-5.2.2.

Line & Curve #	Length	Bearing/Delta	Radius	Tangent
C3	23.56'	89°59'58"	15.00'	15.00'
C4	23.56'	90°00'03"	15.00'	15.00'
C5	47.24'	90°13'43"	30.00'	30.12'
L3	0.79'	N0° 37' 05"E		
L4	0.62'	N0° 37' 05"E		



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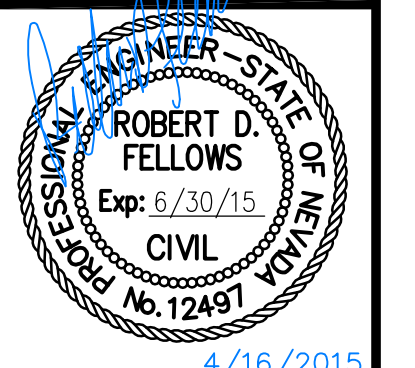


PROFILE - CLEAR CREEK AVENUE

SCALE: 1" = 30' HORIZ.
 1" = 3' VERT.

DESIGNED BY: DGR/DLO/RE
 DRAWN BY: DGR/DLO
 CHECKED BY: DGR/RE
 DWG NO.: 5-0701_street_plan.dwg
 SCALE (HORIZ): 1" = 30'
 SCALE (VERT): 1" = 3'
 PLOT DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 775-887-2355 FAX: 775-887-2112

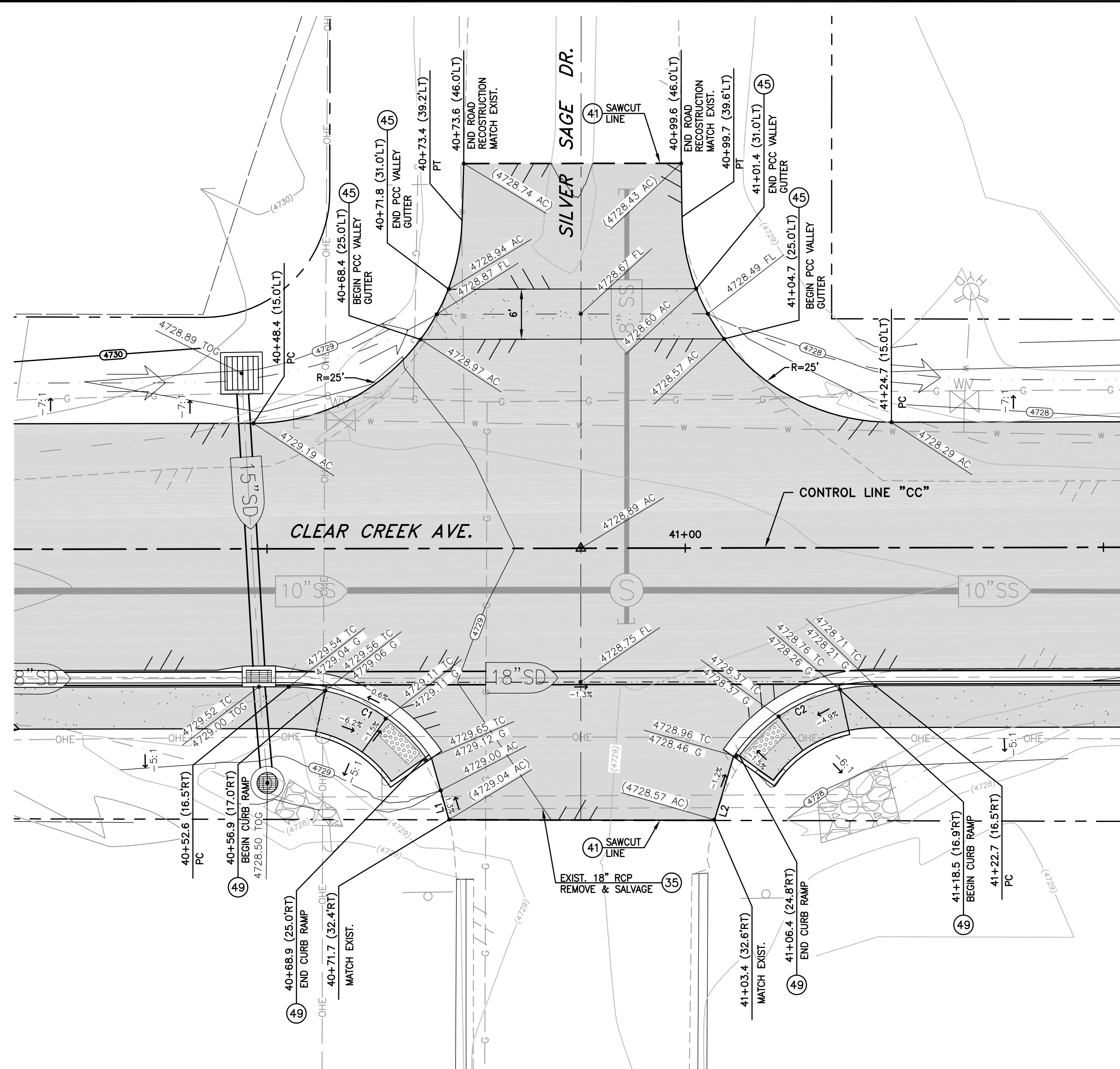


REV.	DATE	DESCRIPTION	BY	APP'D

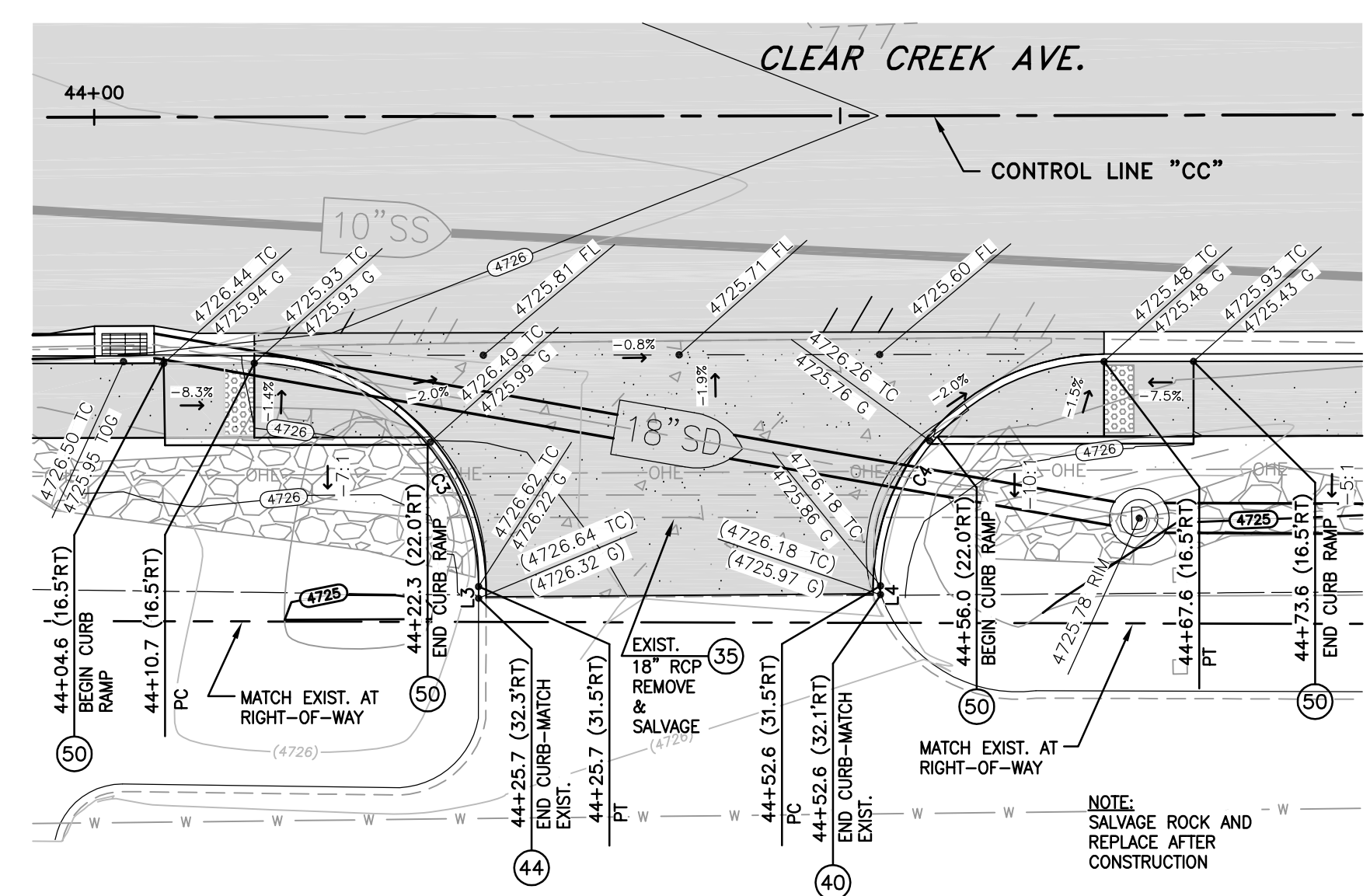
**CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 5.0023
 CLEAR CREEK AVENUE
 STREET PLAN & PROFILE
 STA 41+50 to STA 48+00**

FOR BIDDING PURPOSES ONLY

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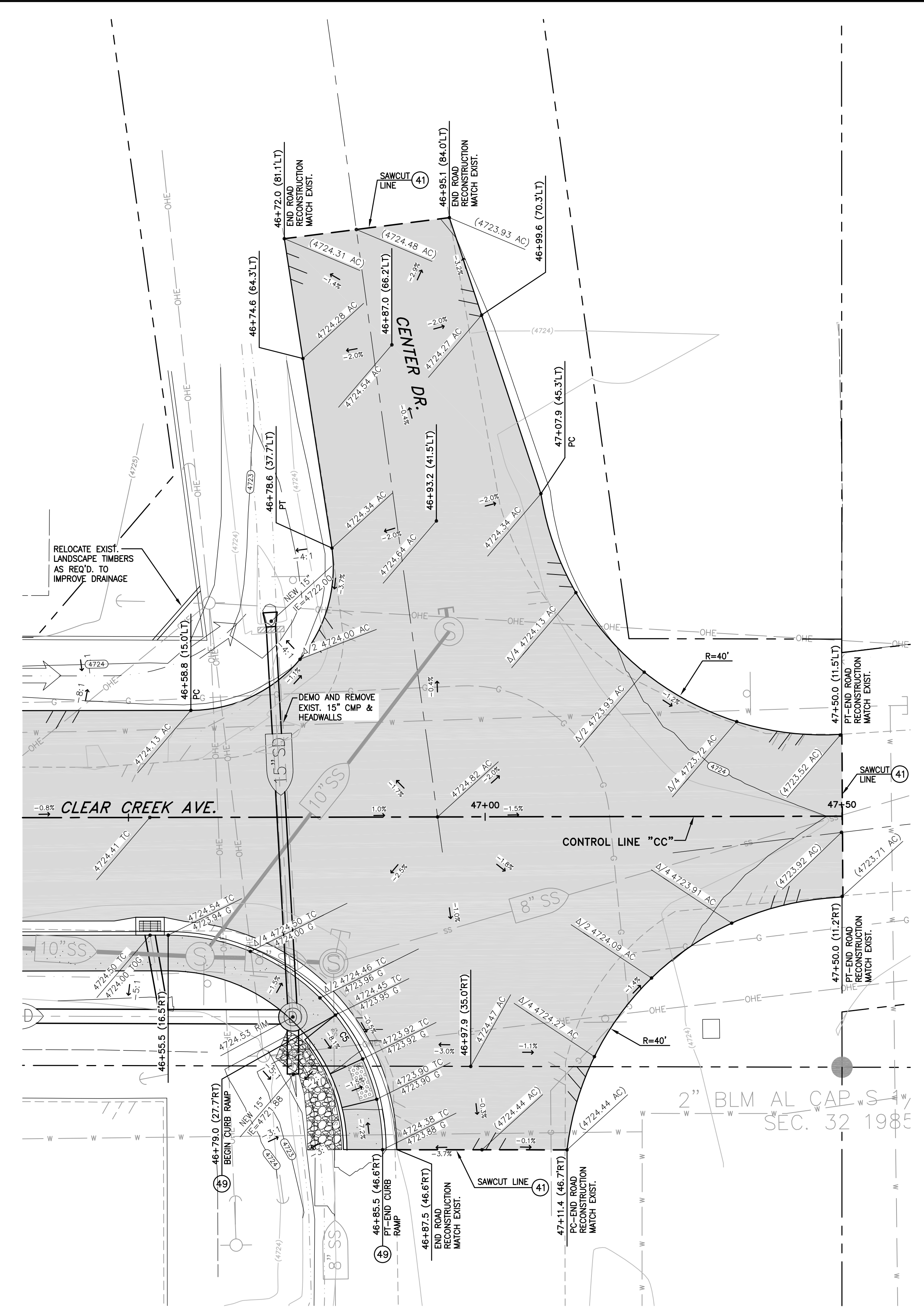
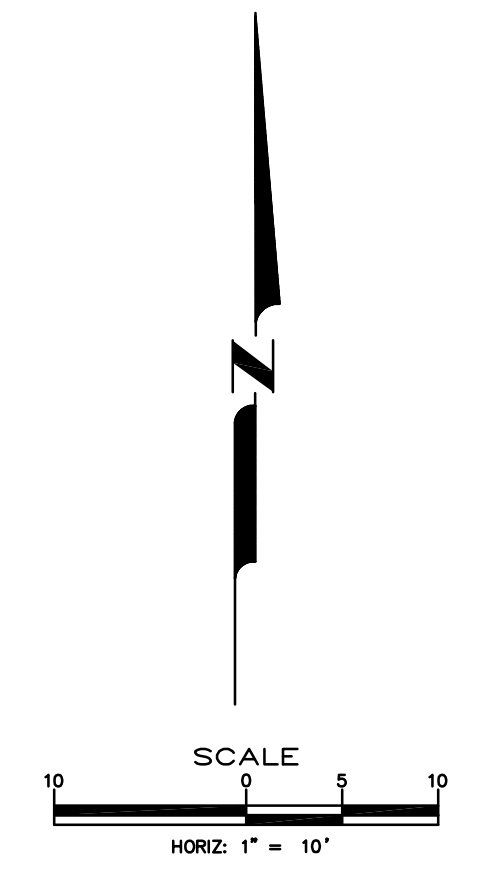
ENLARGED PLAN: SILVER SAGE DRIVE
SCALE: 1" = 10'



ENLARGED PLAN: DRIVEWAY AT 44+39.2
SCALE: 1" = 10'

Line & Curve #	Length	Bearing/Delta	Radius	Tangent
C1	19.61'	S61°11'01"	20.00'	10.68'
C2	19.47'	S5°46'42"	20.00'	10.58'
C3	23.56'	S89°59'58"	15.00'	15.00'
C4	23.56'	S90°00'03"	15.00'	15.00'
C5	47.24'	S90°13'43"	30.00'	30.12'
L1	7.64'	S15° 06' 45"E		
L2	7.95'	N17° 27' 09"E		
L3	0.79'	N0° 37' 05"E		
L4	0.62'	N0° 37' 05"E		

- CONSTRUCTION NOTES:**
- (35) REMOVE & SALVAGE EXISTING STORMDRAIN PIPE, DELIVER TO CARSON CITY CORPORATE YARD.
 - (36) LIMITS OF FULL DEPTH SAWCUT, REMOVAL AND REPLACEMENT OF EXISTING AC PAVEMENT PER STD DRAWING C-5.1.6, AND TYPICAL ROADWAY SECTIONS.
 - (44) CONSTRUCT PCC RETAINING CURB, PER STD. DRAWING C-5.3.10.
 - (45) CONSTRUCT 6' WIDE PCC VALLEY GUTTER, PER DETAIL 1, SHEET C17.
 - (49) CONSTRUCT PARALLEL CURB RAMP APEX, PER STD. DRAWING C-5.3.5.
 - (50) CONSTRUCT LINEAR CURB RAMP SINGLE ADJACENT, PER STD. DRAWING C-5.3.8.



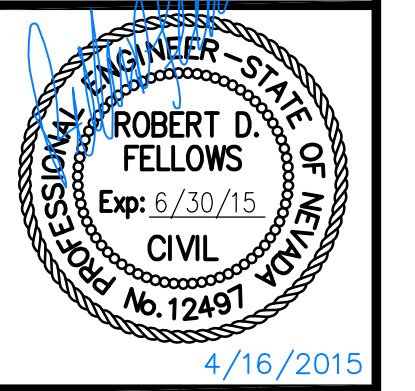
ENLARGED PLAN: CENTER DRIVE
SCALE: 1" = 10'

REFERENCE SHEET C11 FOR STORMDRAIN PROFILES



DESIGNED BY: DGR/DLO/RE
DRAWN BY: DGR/DLO
CHECKED BY: DGR/RE
DWG NO.: 5-0701_street_plan.dwg
SCALE (HORIZ): 1"=10'
SCALE (VERT): N/A
PLOT DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 775-887-2355 FAX: 775-887-2112

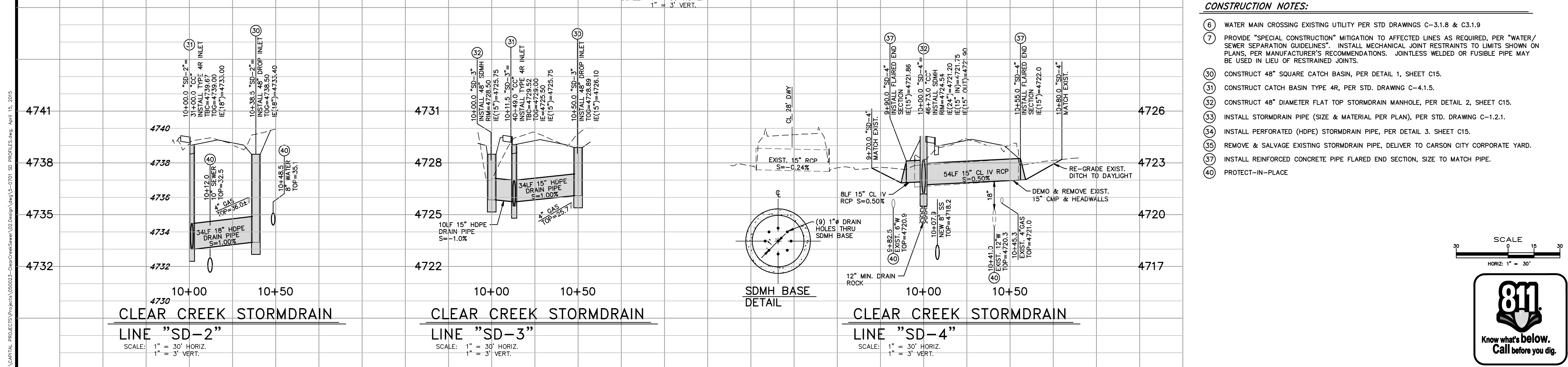
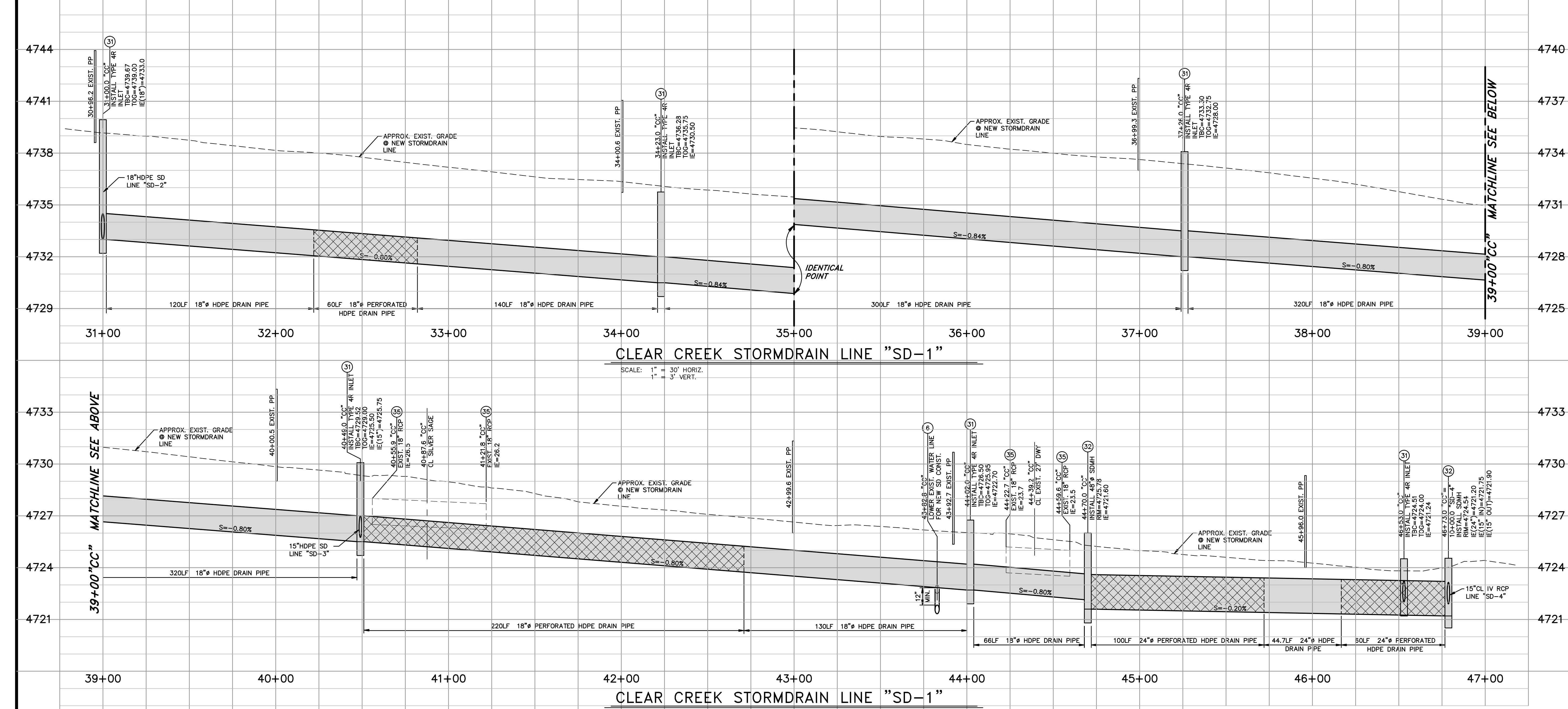


REV	DATE	DESCRIPTION	BY	APP'D

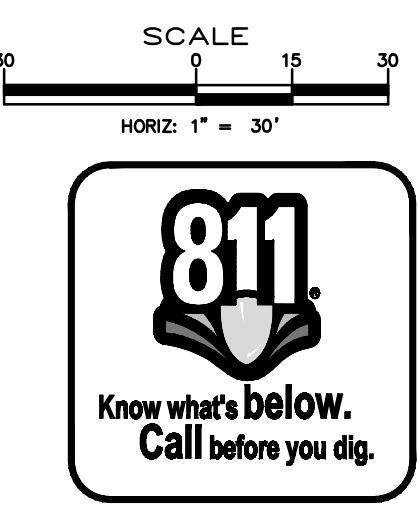
CLEAR CREEK AVENUE SANITARY SEWER EXTENSION PROJECT No. 5.0023
CLEAR CREEK AVENUE ENLARGED PLANS: SILVER SAGE DR. DRIVEWAY AT 44+39.2 & CENTER DR

SHEET **C10** OF **23**

FOR BIDDING PURPOSES ONLY

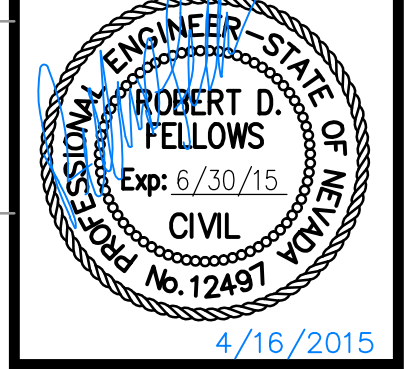


- CONSTRUCTION NOTES:**
- (6) WATER MAIN CROSSING EXISTING UTILITY PER STD DRAWINGS C-3.1.8 & C3.1.9
 - (7) PROVIDE "SPECIAL CONSTRUCTION" MITIGATION TO AFFECTED LINES AS REQUIRED, PER "WATER/SEWER SEPARATION GUIDELINES". INSTALL MECHANICAL JOINT RESTRAINTS TO LIMITS SHOWN ON PLANS, PER MANUFACTURER'S RECOMMENDATIONS. JOINTLESS WELDED OR FUSIBLE PIPE MAY BE USED IN LIEU OF RESTRAINED JOINTS.
 - (8) CONSTRUCT 48" SQUARE CATCH BASIN, PER DETAIL 1, SHEET C15.
 - (9) CONSTRUCT CATCH BASIN TYPE 4R, PER STD. DRAWING C-4.1.5.
 - (10) CONSTRUCT 48" DIAMETER FLAT TOP STORMDRAIN MANHOLE, PER DETAIL 2, SHEET C15.
 - (11) INSTALL STORMDRAIN PIPE (SIZE & MATERIAL PER PLAN), PER STD. DRAWING C-1.2.1.
 - (12) INSTALL PERFORATED (HDPE) STORMDRAIN PIPE, PER DETAIL 3, SHEET C15.
 - (13) REMOVE & SALVAGE EXISTING STORMDRAIN PIPE, DELIVER TO CARSON CITY CORPORATE YARD.
 - (14) INSTALL REINFORCED CONCRETE PIPE FLARED END SECTION, SIZE TO MATCH PIPE.
 - (15) PROTECT-IN-PLACE



DESIGNED BY: DGR/RDF
 DRAWN BY: DGR
 CHECKED BY: DSA/RDF
 DWG NO.: 50701 SEWER PLAN
 SCALE (HORIZ): 1"=30'
 SCALE (VERT): 1"=3'
 PLOT DATE: 4/15/15

**CARSON CITY
 PUBLIC WORKS DEPARTMENT**
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 775-887-2355 FAX: 775-887-2112

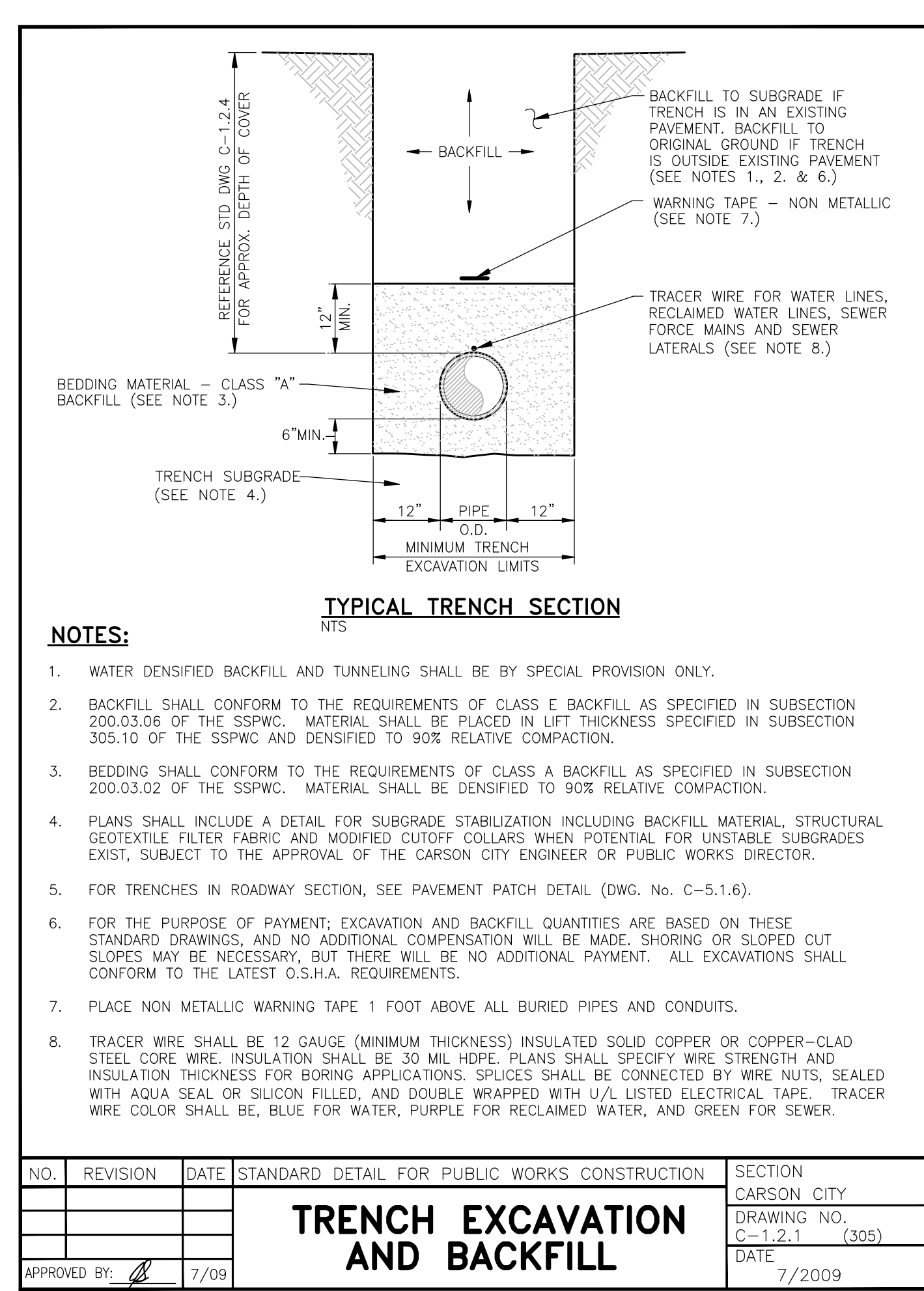


REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 050023
 CLEAR CREEK AVENUE
 STORM DRAIN PROFILES**

SHEET
C11
 OF
23

FOR BIDDING PURPOSES ONLY

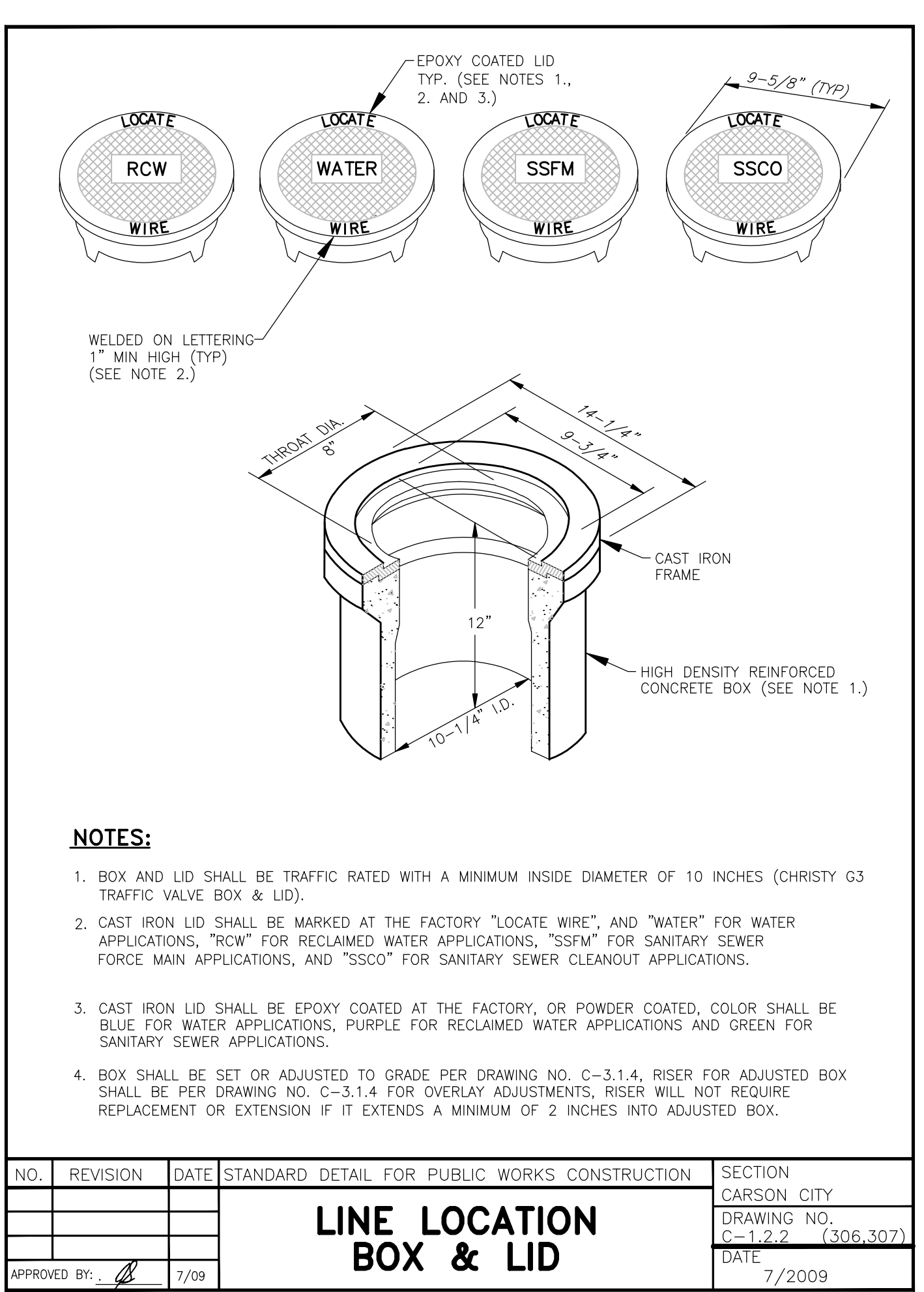


- NOTES:**
1. WATER DENSIFIED BACKFILL AND TUNNELING SHALL BE BY SPECIAL PROVISION ONLY.
 2. BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CLASS E BACKFILL AS SPECIFIED IN SUBSECTION 200.03.06 OF THE SSPWC. MATERIAL SHALL BE PLACED IN LIFT THICKNESS SPECIFIED IN SUBSECTION 305.10 OF THE SSPWC AND DENSIFIED TO 90% RELATIVE COMPACTION.
 3. BEDDING SHALL CONFORM TO THE REQUIREMENTS OF CLASS A BACKFILL AS SPECIFIED IN SUBSECTION 200.03.02 OF THE SSPWC. MATERIAL SHALL BE DENSIFIED TO 90% RELATIVE COMPACTION.
 4. PLANS SHALL INCLUDE A DETAIL FOR SUBGRADE STABILIZATION INCLUDING BACKFILL MATERIAL, STRUCTURAL GEOTEXTILE FILTER FABRIC AND MODIFIED CUTOFF COLLARS WHEN POTENTIAL FOR UNSTABLE SUBGRADES EXIST, SUBJECT TO THE APPROVAL OF THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
 5. FOR TRENCHES IN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL (DWG. NO. C-5.1.6).
 6. FOR THE PURPOSE OF PAYMENT, EXCAVATION AND BACKFILL QUANTITIES ARE BASED ON THESE STANDARD DRAWINGS, AND NO ADDITIONAL COMPENSATION WILL BE MADE. SHORING OR SLOPED CUT SLOPES MAY BE NECESSARY, BUT THERE WILL BE NO ADDITIONAL PAYMENT. ALL EXCAVATIONS SHALL CONFORM TO THE LATEST O.S.H.A. REQUIREMENTS.
 7. PLACE NON METALLIC WARNING TAPE 1 FOOT ABOVE ALL BURIED PIPES AND CONDUITS.
 8. TRACER WIRE SHALL BE 12 GAUGE (MINIMUM THICKNESS) INSULATED SOLID COPPER OR COPPER-CLAD STEEL CORE WIRE. INSULATION SHALL BE 30 MIL HDPE. PLANS SHALL SPECIFY WIRE STRENGTH AND INSULATION THICKNESS FOR BORING APPLICATIONS. SPLICES SHALL BE CONNECTED BY WIRE NUTS, SEALED WITH AQUA SEAL OR SILICON FILLED, AND DOUBLE WRAPPED WITH 1/2\"/>

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY

TRENCH EXCAVATION AND BACKFILL

APPROVED BY: [Signature] 7/09

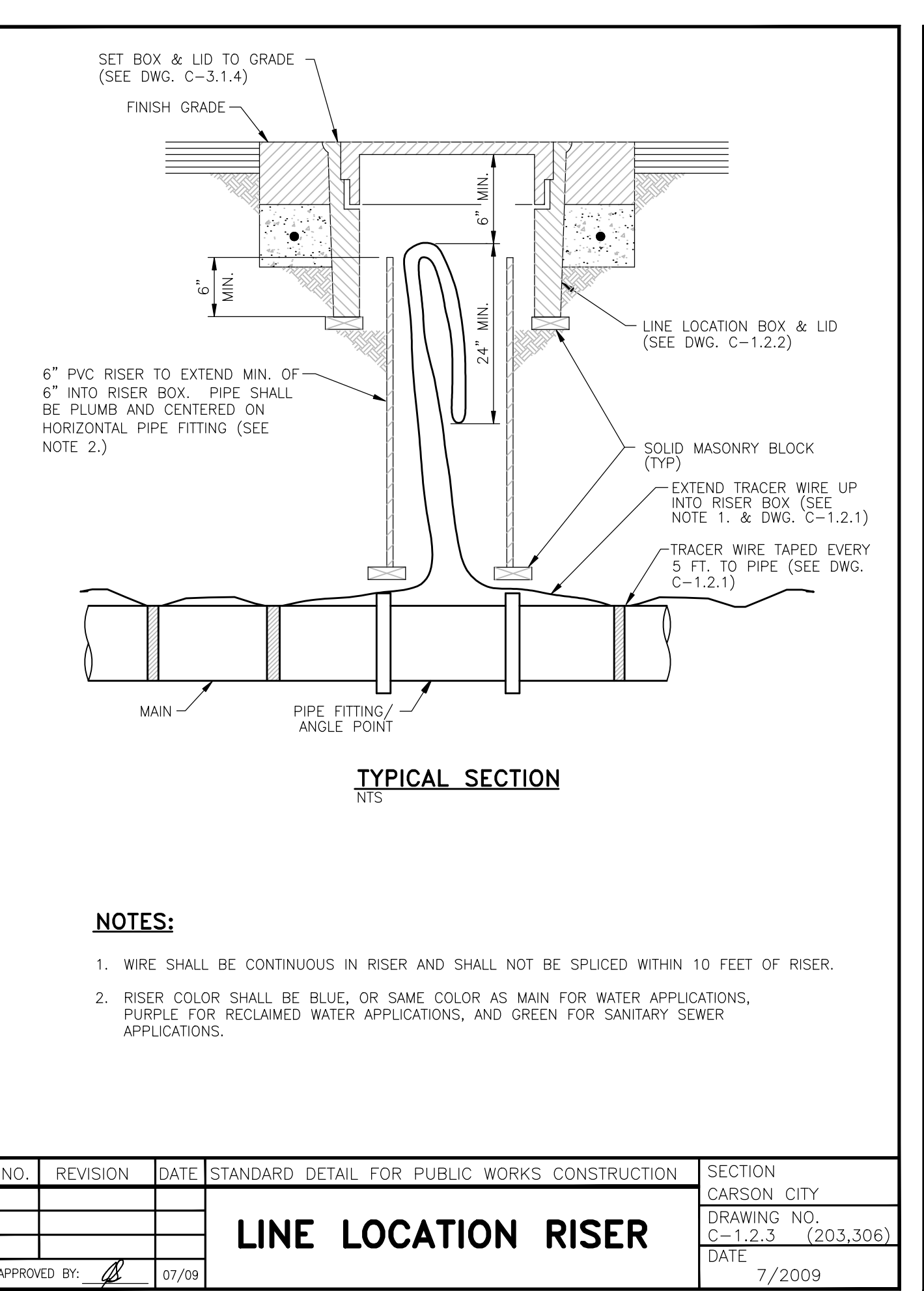


- NOTES:**
1. BOX AND LID SHALL BE TRAFFIC RATED WITH A MINIMUM INSIDE DIAMETER OF 10 INCHES (CHRISTY G3 TRAFFIC VALVE BOX & LID).
 2. CAST IRON LID SHALL BE MARKED AT THE FACTORY "LOCATE WIRE", "WATER" FOR WATER APPLICATIONS, "RCW" FOR RECLAIMED WATER APPLICATIONS, "SSFM" FOR SANITARY SEWER FORCE MAIN APPLICATIONS, AND "SSCO" FOR SANITARY SEWER CLEANOUT APPLICATIONS.
 3. CAST IRON LID SHALL BE EPOXY COATED AT THE FACTORY, OR POWDER COATED, COLOR SHALL BE BLUE FOR WATER APPLICATIONS, PURPLE FOR RECLAIMED WATER APPLICATIONS AND GREEN FOR SANITARY SEWER APPLICATIONS.
 4. BOX SHALL BE SET OR ADJUSTED TO GRADE PER DRAWING NO. C-3.1.4. RISER FOR ADJUSTED BOX SHALL BE PER DRAWING NO. C-3.1.4 FOR OVERLAY ADJUSTMENTS, RISER WILL NOT REQUIRE REPLACEMENT OR EXTENSION IF IT EXTENDS A MINIMUM OF 2 INCHES INTO ADJUSTED BOX.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY

LINE LOCATION BOX & LID

APPROVED BY: [Signature] 7/09

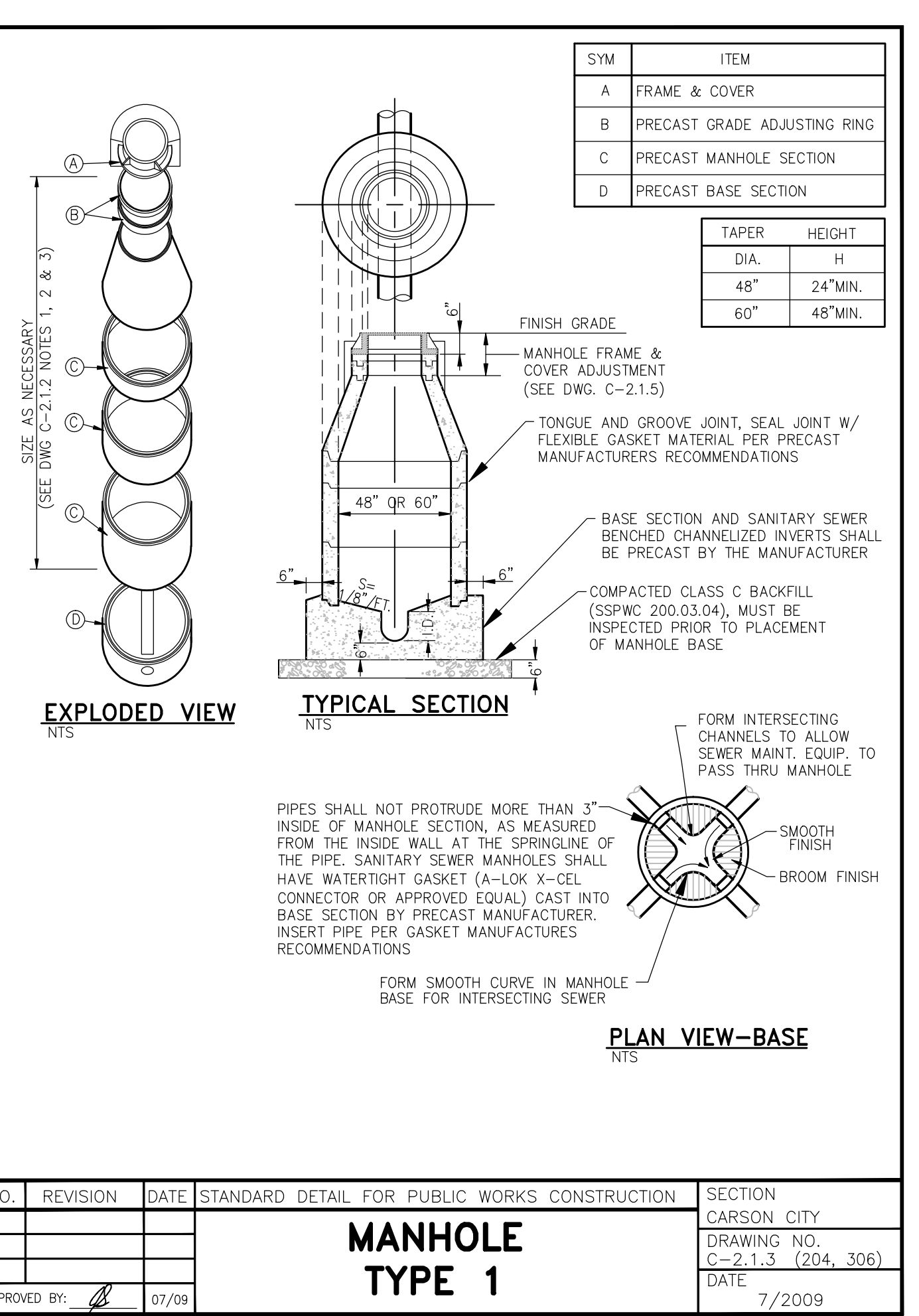


- NOTES:**
1. WIRE SHALL BE CONTINUOUS IN RISER AND SHALL NOT BE SPLICED WITHIN 10 FEET OF RISER.
 2. RISER COLOR SHALL BE BLUE, OR SAME COLOR AS MAIN FOR WATER APPLICATIONS, PURPLE FOR RECLAIMED WATER APPLICATIONS, AND GREEN FOR SANITARY SEWER APPLICATIONS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY

LINE LOCATION RISER

APPROVED BY: [Signature] 07/09

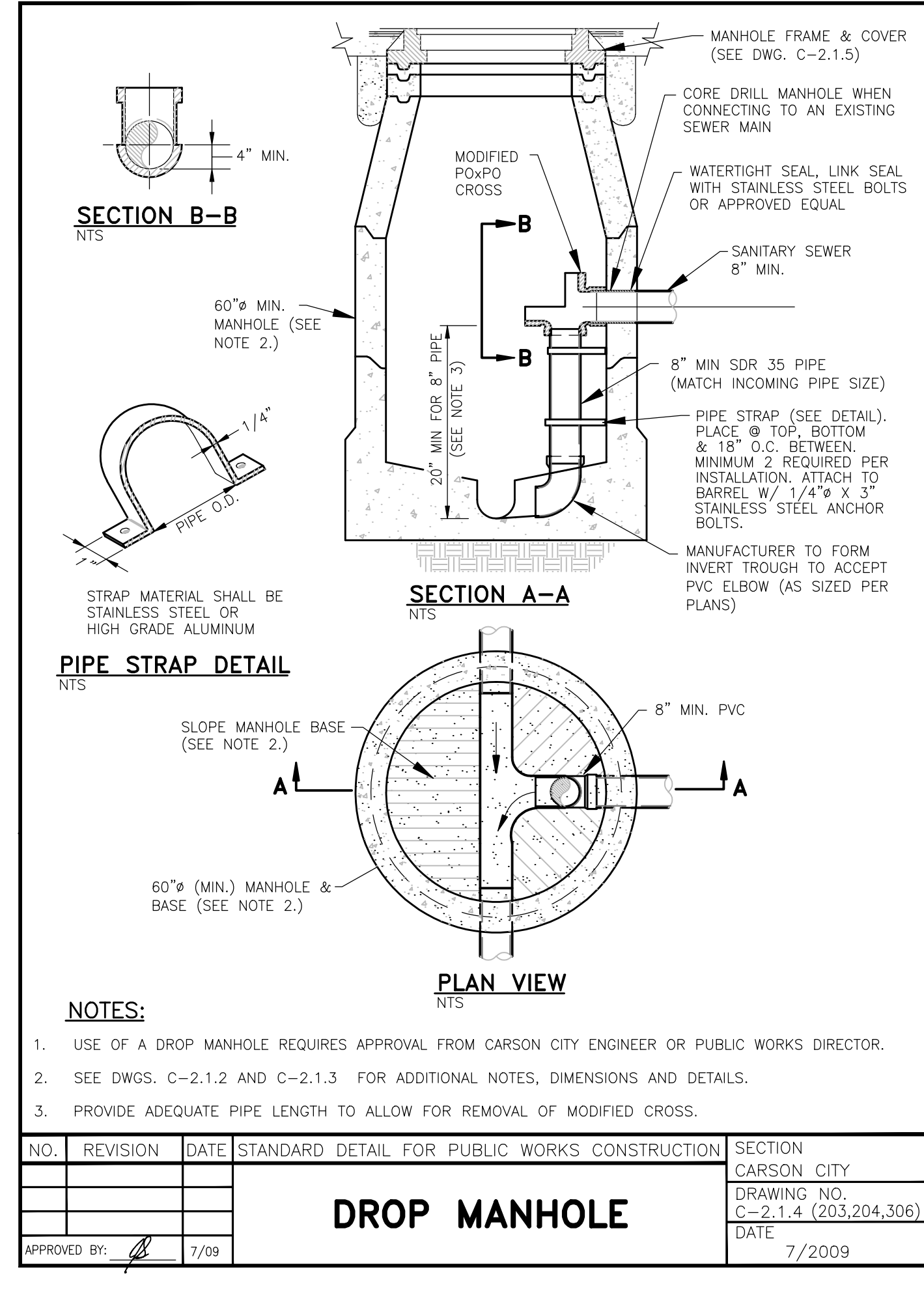


- NOTES:**
1. PIPES SHALL NOT PROTRUDE MORE THAN 3\"/>

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY

MANHOLE TYPE 1

APPROVED BY: [Signature] 07/09

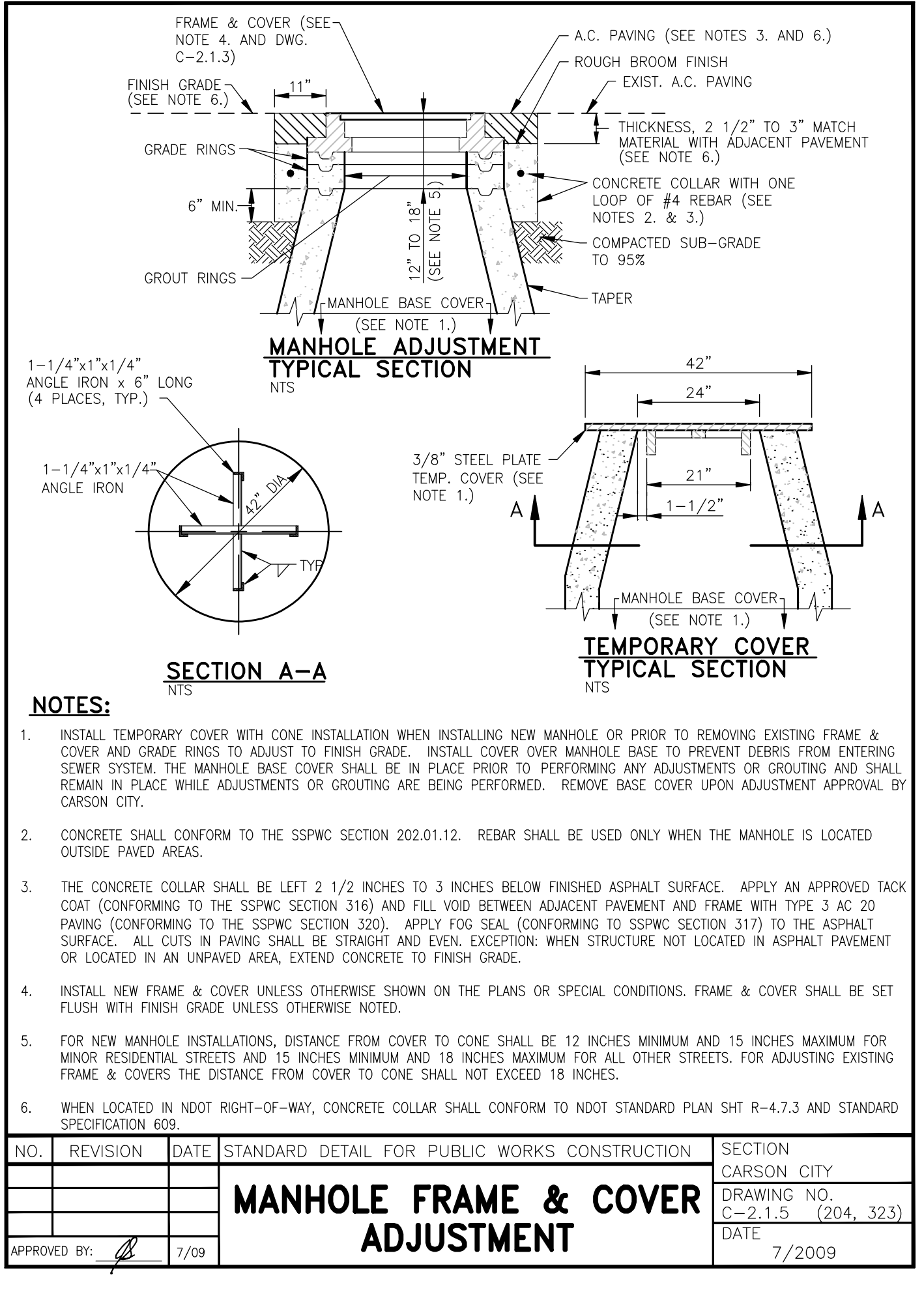


- NOTES:**
1. USE OF A DROP MANHOLE REQUIRES APPROVAL FROM CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
 2. SEE DWGS. C-2.1.2 AND C-2.1.3 FOR ADDITIONAL NOTES, DIMENSIONS AND DETAILS.
 3. PROVIDE ADEQUATE PIPE LENGTH TO ALLOW FOR REMOVAL OF MODIFIED CROSS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY

DROP MANHOLE

APPROVED BY: [Signature] 7/09

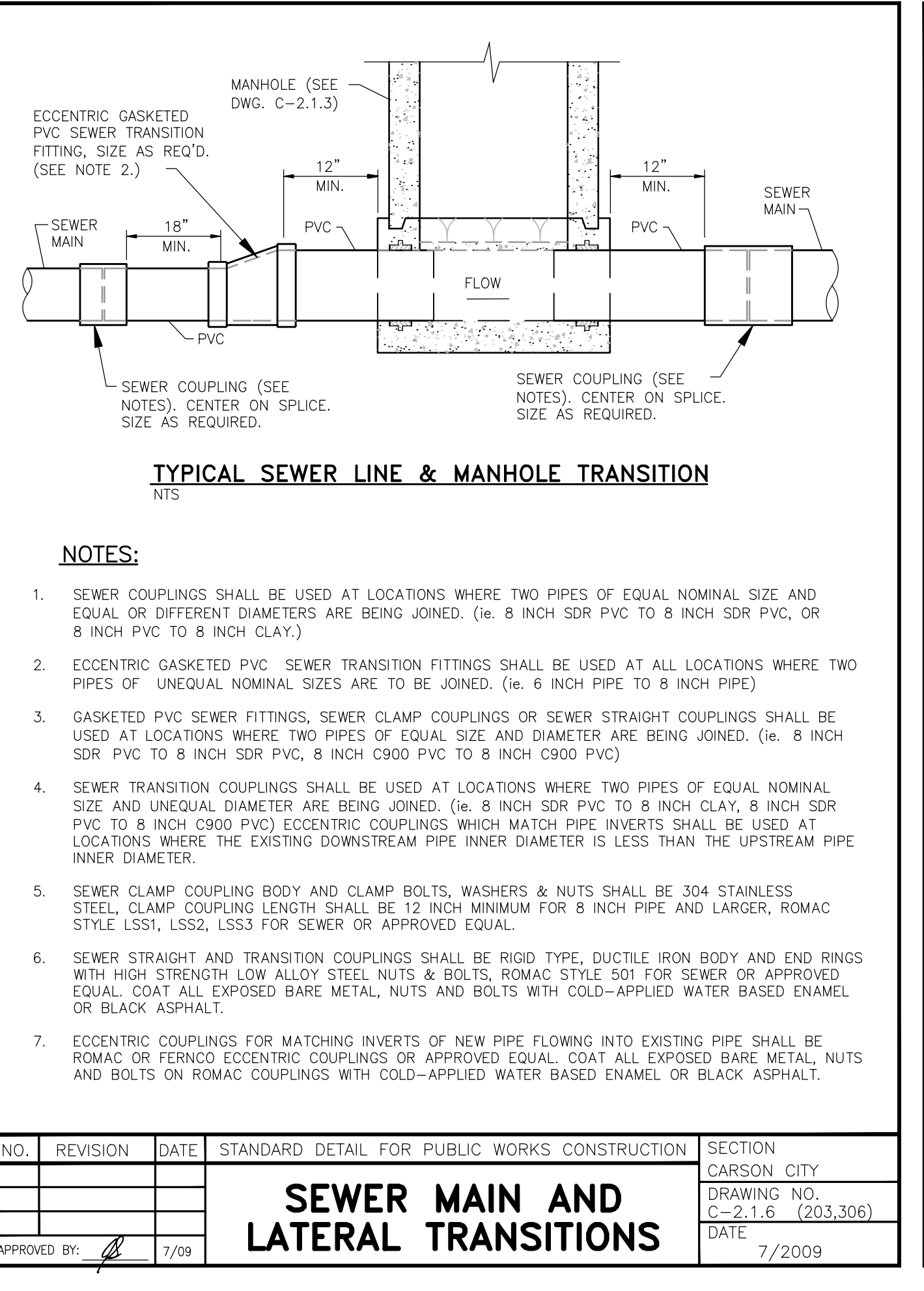


- NOTES:**
1. INSTALL TEMPORARY COVER WITH CONE INSTALLATION WHEN INSTALLING NEW MANHOLE OR PRIOR TO REMOVING EXISTING FRAME & COVER AND GRADE RINGS TO ADJUST TO FINISH GRADE. INSTALL COVER OVER MANHOLE BASE TO PREVENT DEBRIS FROM ENTERING SEWER SYSTEM. THE MANHOLE BASE COVER SHALL BE IN PLACE PRIOR TO PERFORMING ANY ADJUSTMENTS OR GROUTING AND SHALL REMAIN IN PLACE WHILE ADJUSTMENTS OR GROUTING ARE BEING PERFORMED. REMOVE BASE COVER UPON ADJUSTMENT APPROVAL BY CARSON CITY.
 2. CONCRETE SHALL CONFORM TO THE SSPWC SECTION 202.01.12. REBAR SHALL BE USED ONLY WHEN THE MANHOLE IS LOCATED OUTSIDE PAVED AREAS.
 3. 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 FOO 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.
 4. 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.
 5. 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.
 6. WHEN LOCATED IN NODT RIGHT-OF-WAY, CONCRETE COLLAR SHALL CONFORM TO NDOT STANDARD PLAN SH1 R-4.7.3 AND STANDARD SPECIFICATION 609.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY

MANHOLE FRAME & COVER ADJUSTMENT

APPROVED BY: [Signature] 7/09

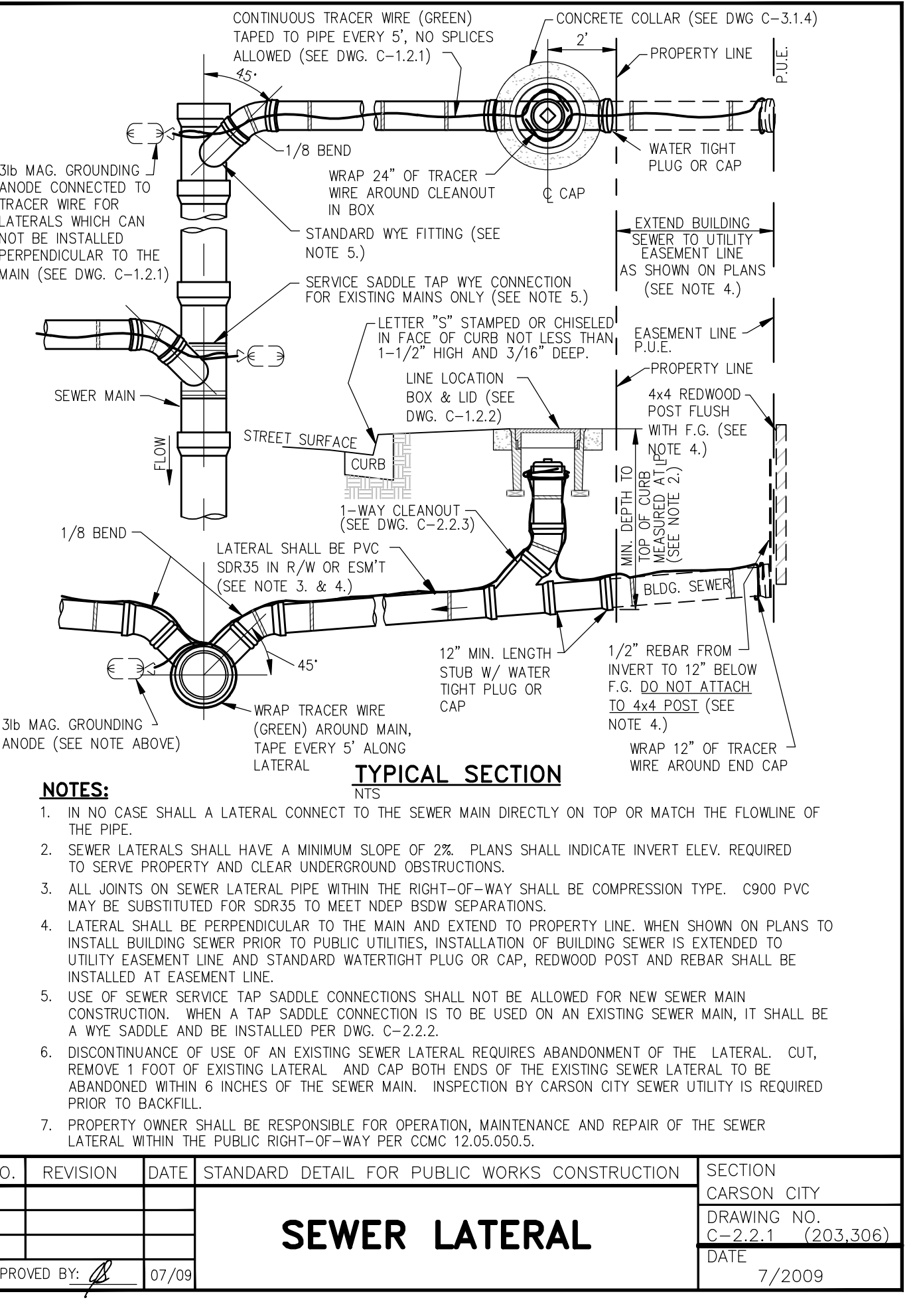


- NOTES:**
1. SEWER COUPLINGS SHALL BE USED AT LOCATIONS WHERE TWO PIPES OF EQUAL NOMINAL SIZE AND EQUAL OR DIFFERENT DIAMETERS ARE BEING JOINED. (IE. 8 INCH SDR PVC TO 8 INCH SDR PVC, OR 8 INCH PVC TO 8 INCH CLAY.)
 2. ECCENTRIC GASKETED PVC SEWER TRANSITION FITTINGS SHALL BE USED AT ALL LOCATIONS WHERE TWO PIPES OF UNEQUAL NOMINAL SIZES ARE TO BE JOINED. (IE. 6 INCH PIPE TO 8 INCH PIPE)
 3. 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 SDR PVC TO 8 INCH SDR PVC, 8 INCH C900 PVC TO 8 INCH C900 PVC)
 4. 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 EXISTING DOWNSTREAM PIPE INNER DIAMETER IS LESS THAN THE UPSTREAM PIPE INNER DIAMETER.
 5. 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.
 6. 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 OR BLACK ASPHALT.
 7. ECCENTRIC COUPLINGS FOR MATCHING INVERTS OF NEW PIPE FLOWING INTO EXISTING PIPE SHALL BE ROMAC OR FERROD 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 LATERAL TRANSITIONS

APPROVED BY: [Signature] 7/09



- NOTES:**
1. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON TOP OR MATCH THE FLOWLINE OF THE PIPE.
 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 CONNECTION 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 WATER TIGHT 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.
 6. 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 WITHIN THE PUBLIC RIGHT-OF-WAY PER CMC 12.05.050.5.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY

SEWER LATERAL

APPROVED BY: [Signature] 07/09

DESIGNED BY: DGR/RFJ
 DRAWN BY: DGR
 CHECKED BY: RFJ
 DWG NO.: 5070 SEWER PLAN
 SCALE (HORIZ): 1"=30'
 SCALE (VERT): 1"=3'
 PLOT DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT

3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 775-887-2555 FAX: 775-887-2112

PROFESSIONAL ENGINEER-STATE OF NEVADA
ROBERT D. FELLOWS
 Exp: 6/30/15
 CIVIL
 No. 12497

4/16/2015

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY

SEWER MAIN AND LATERAL TRANSITIONS

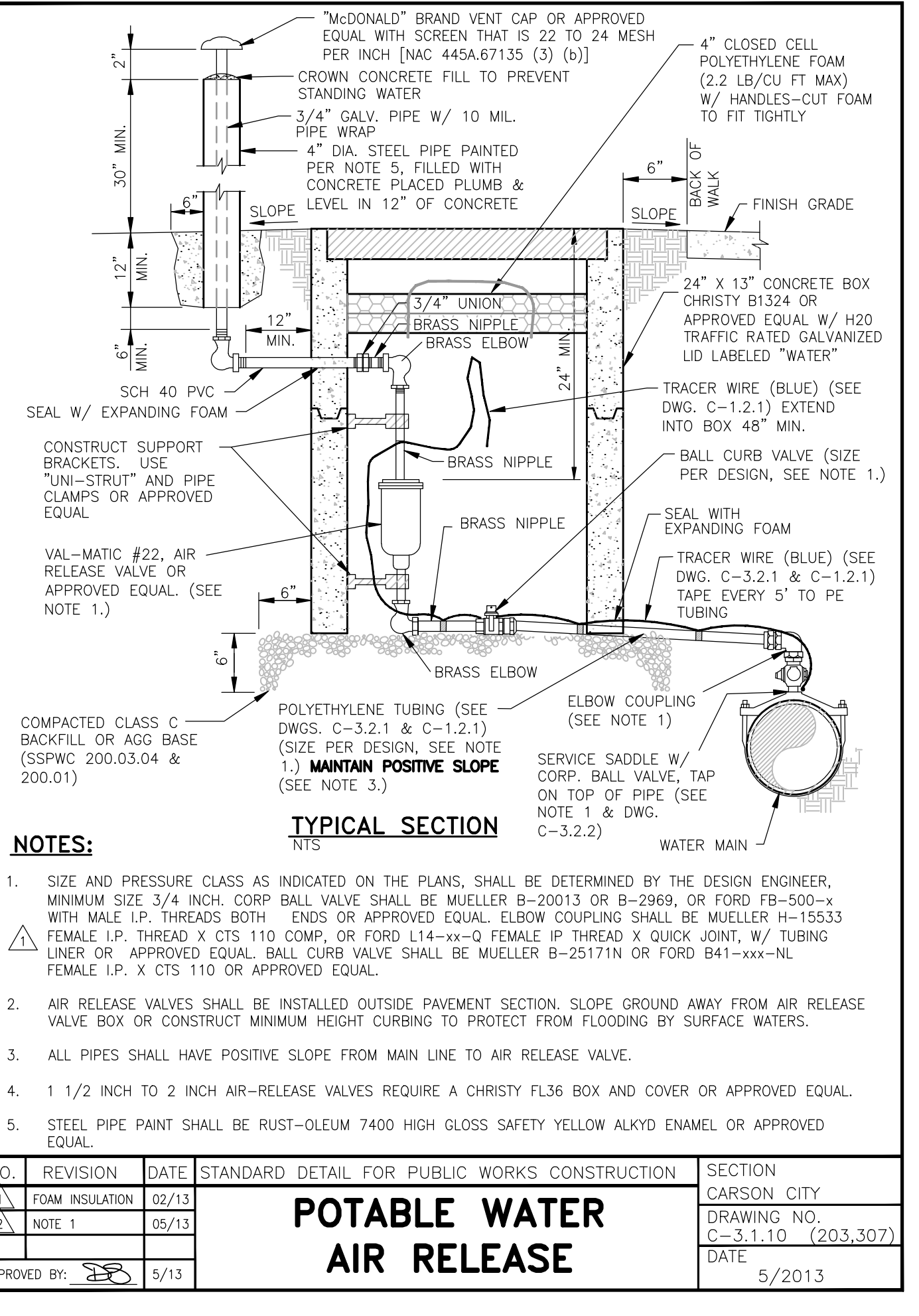
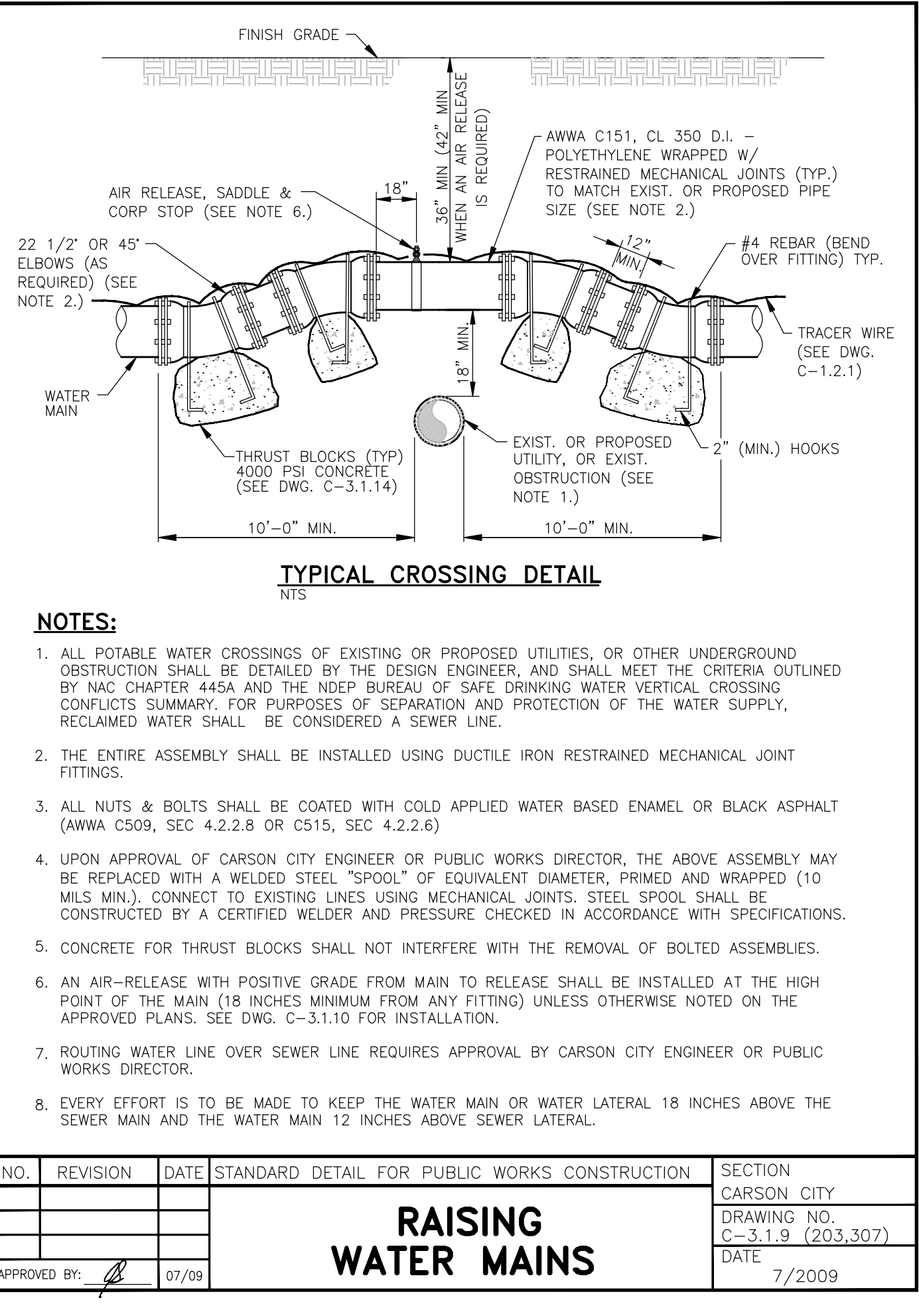
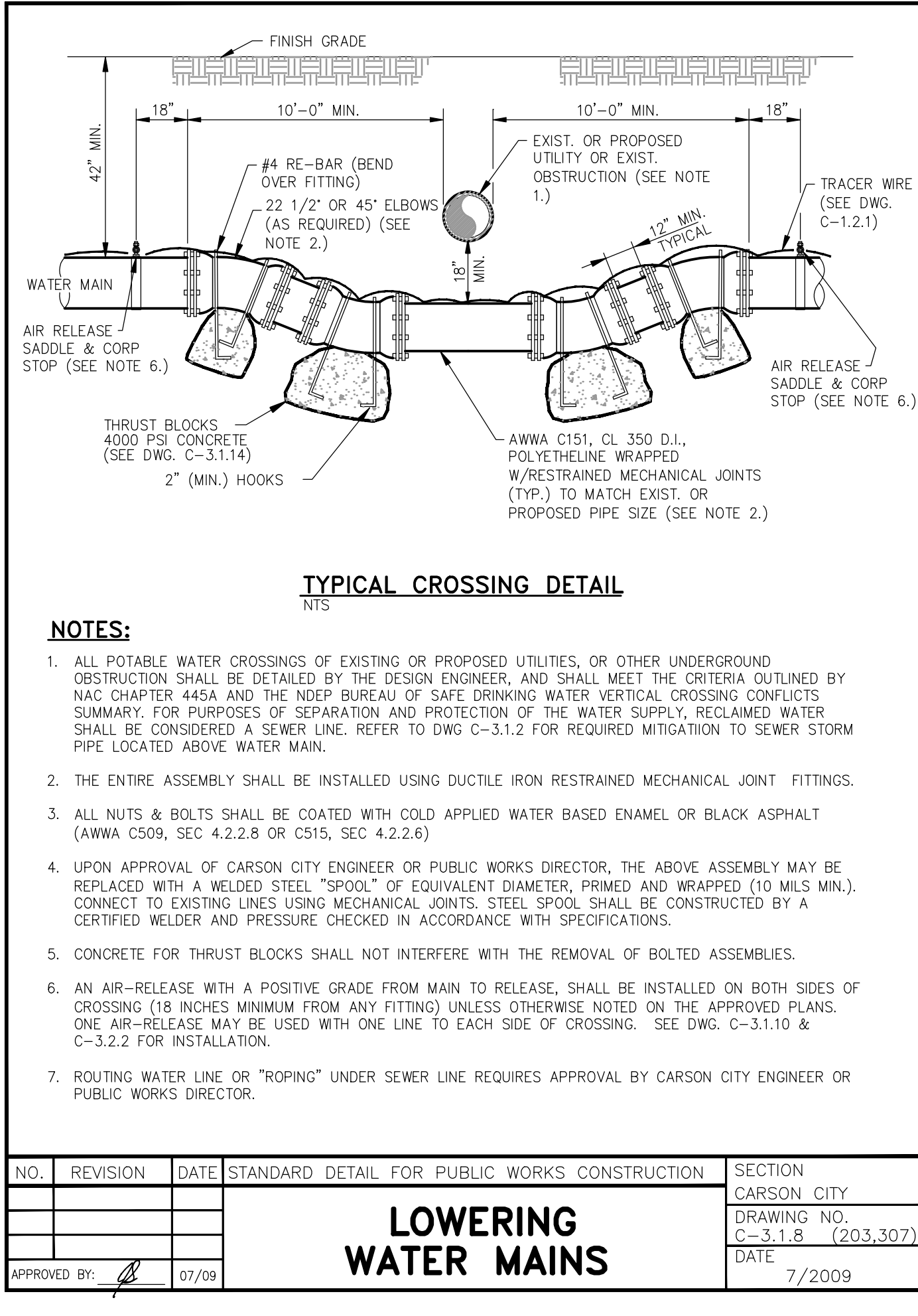
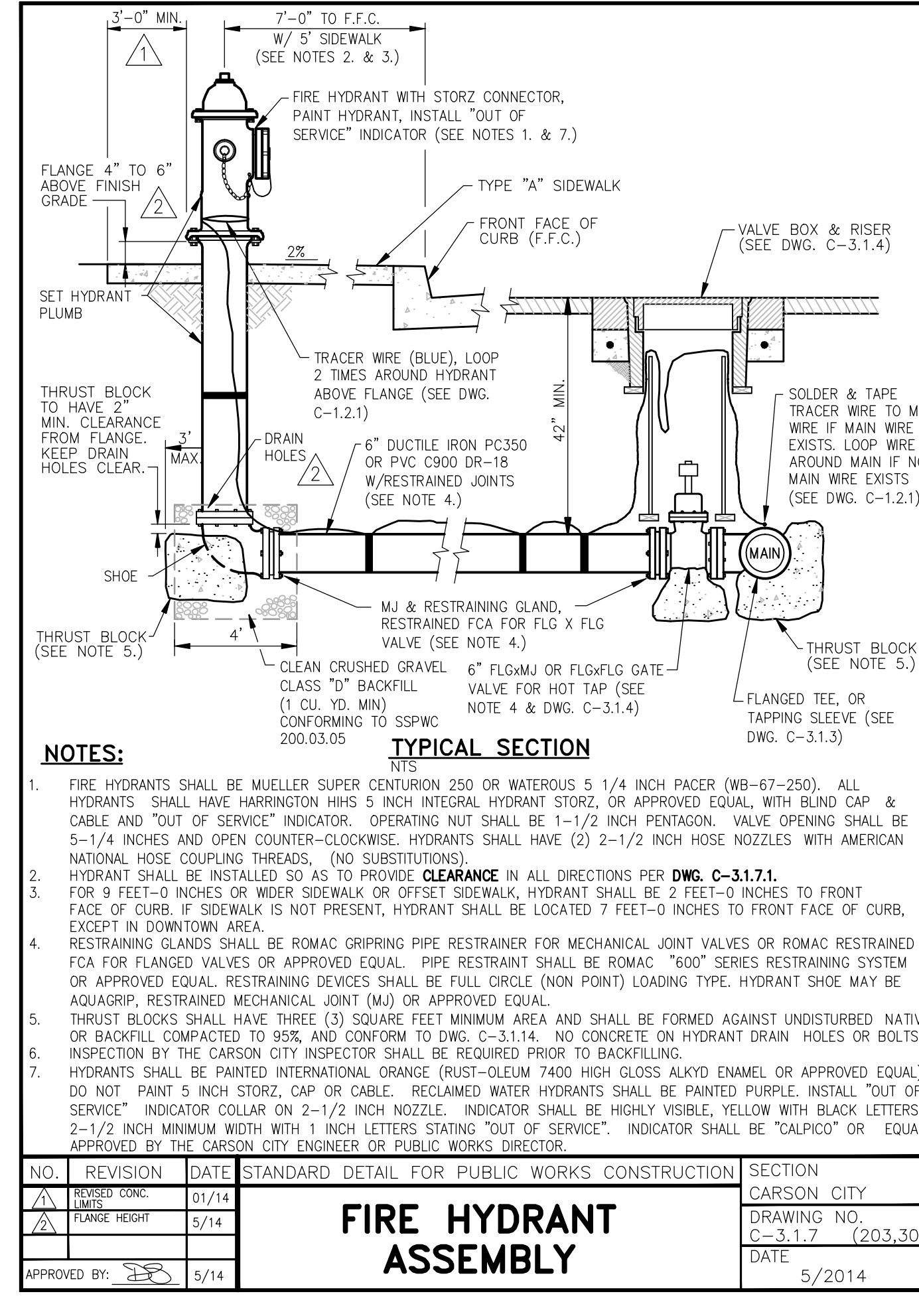
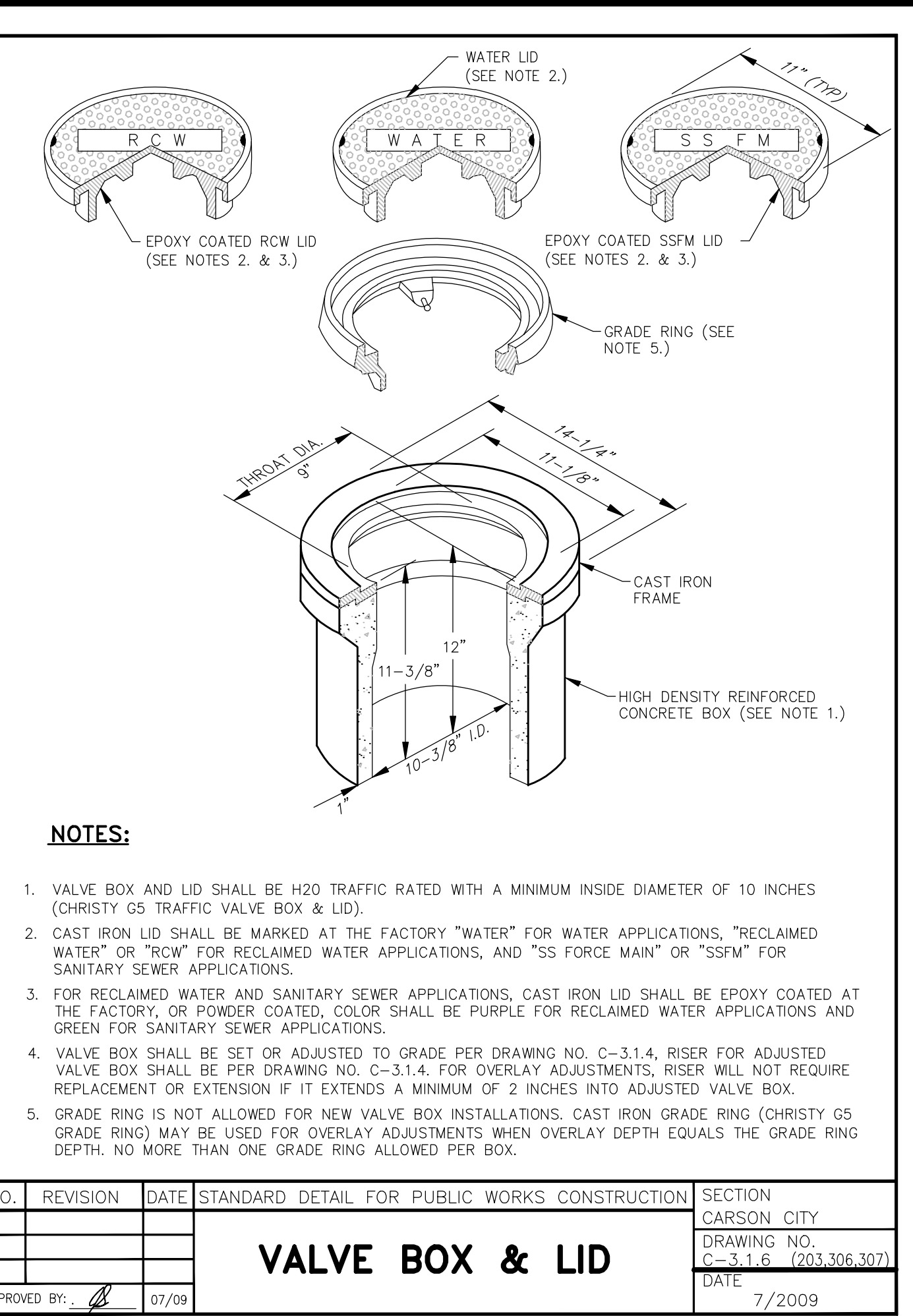
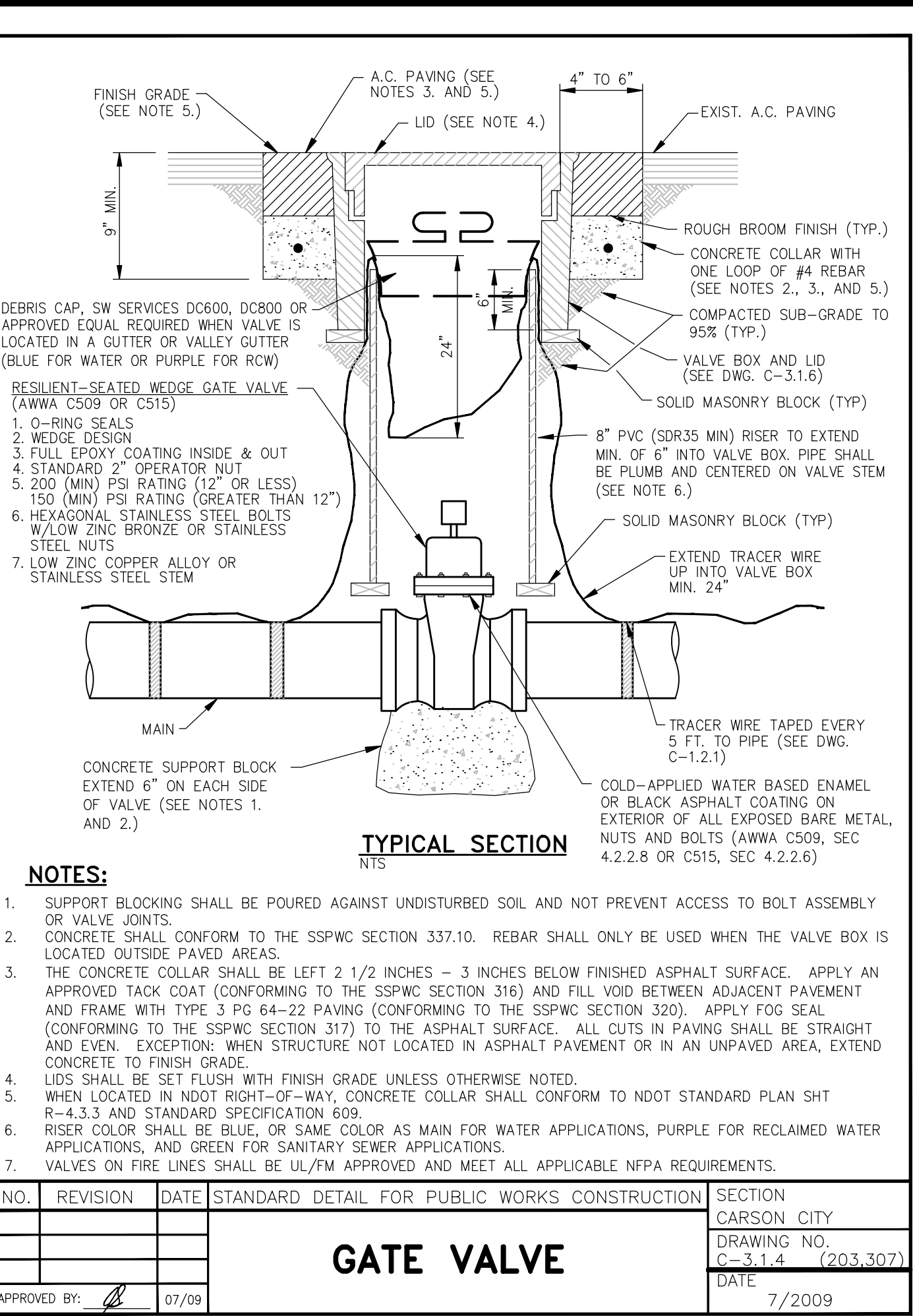
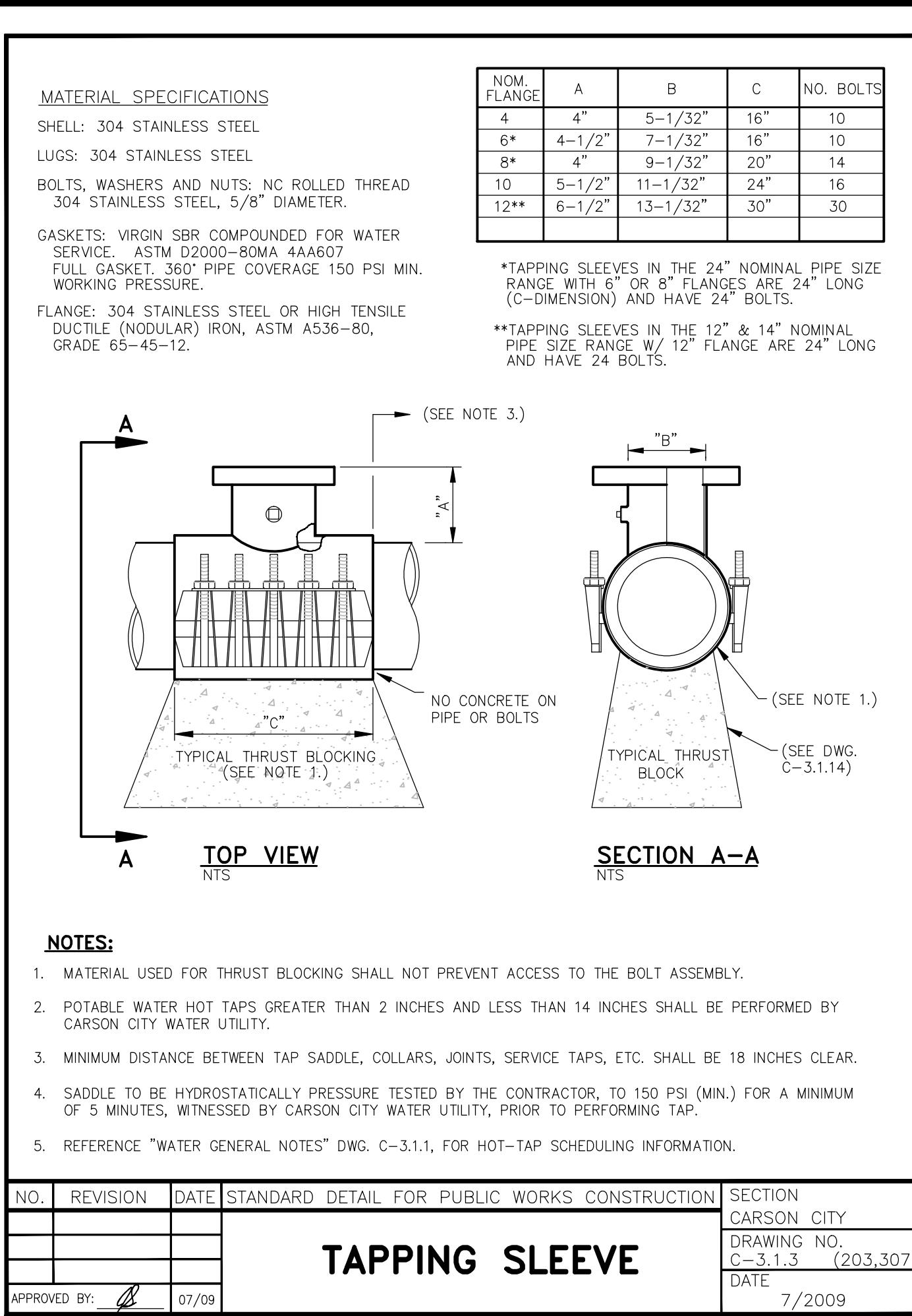
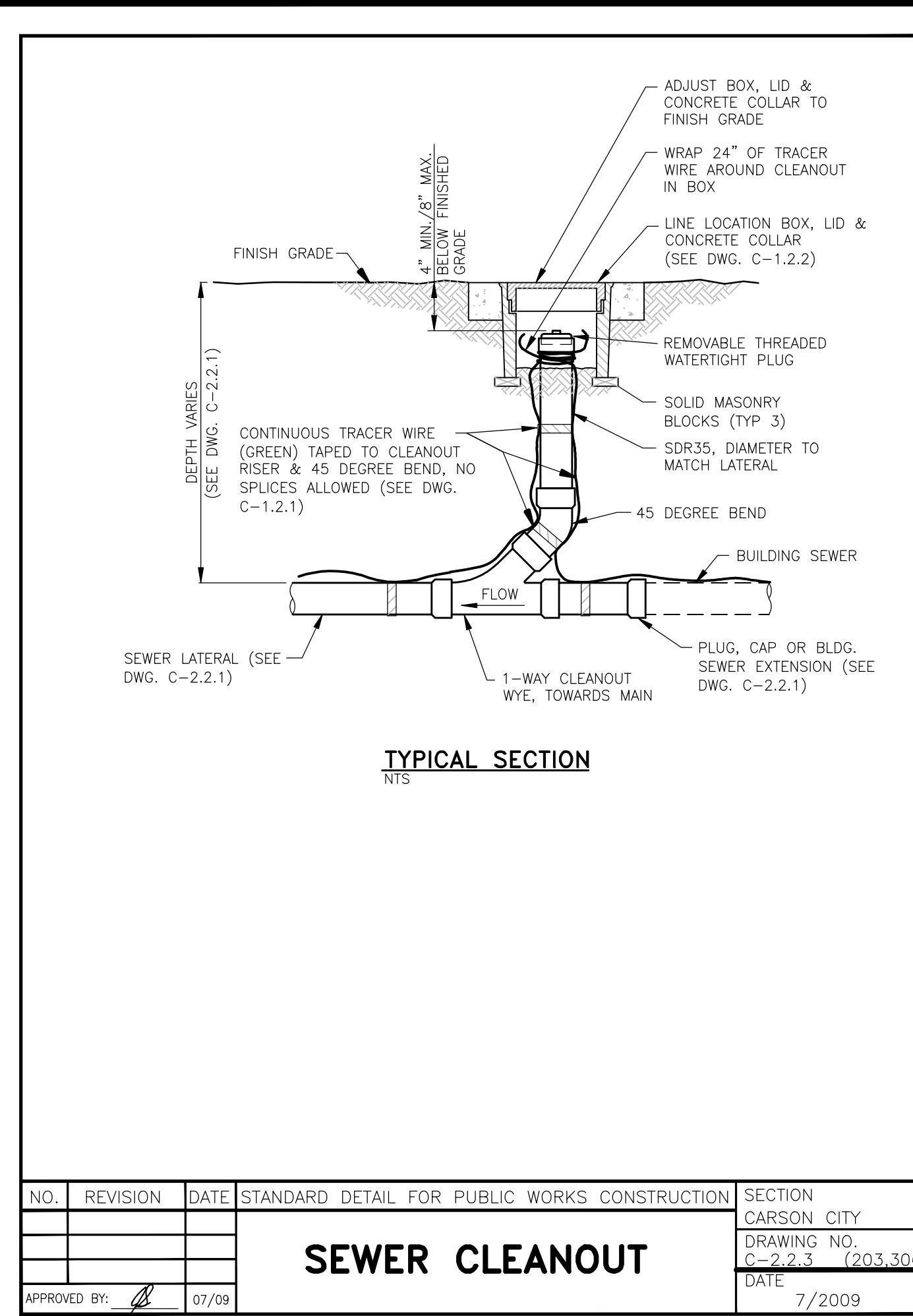
APPROVED BY: [Signature] 07/09

**CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 5.0023
 CLEAR CREEK AVENUE
 CONSTRUCTION DETAILS**

SHEET **C12**
 OF
23

FOR BIDDING PURPOSES ONLY

C:\PROJECTS\Projects\50023-ClearCreekSewer\02-Design\Views\1-0701-SEWER PLAN.dwg, April 15, 2015



DESIGNED BY: DGR/RFDF
 DRAWN BY: DGR
 CHECKED BY: RFDF
 DWG NO.: 50701 SEWER PLAN
 SCALE (HORIZ): 1"=30'
 SCALE (VERT): 1"=3'
 PLOT DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT

3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 775-887-2555 FAX: 775-887-2112

ROBERT D. FELLOWS
 CIVIL
 Exp: 6/30/15
 No. 12497

4/16/2015

BY: APP'D

CLEAR CREEK AVENUE SANITARY SEWER EXTENSION PROJECT No. 5.0023

CLEAR CREEK AVENUE CONSTRUCTION DETAILS

SHEET C13 OF 23

FOR BIDDING PURPOSES ONLY

REV.	DATE	DESCRIPTION

C:\CAPITAL PROJECTS\Projects\50023-ClearCreekSewer\Drawings\DWG\50701 SEWER PLAN.dwg, April 15, 2015

TYPE OF FITTING	90° BEND	45° BEND	11 1/4" OR 22 1/2" BEND	TEE OR DEAD END
TYPICAL INSTALLATION				

THRUST BLOCK BEARING AREA (SQ. FT.)

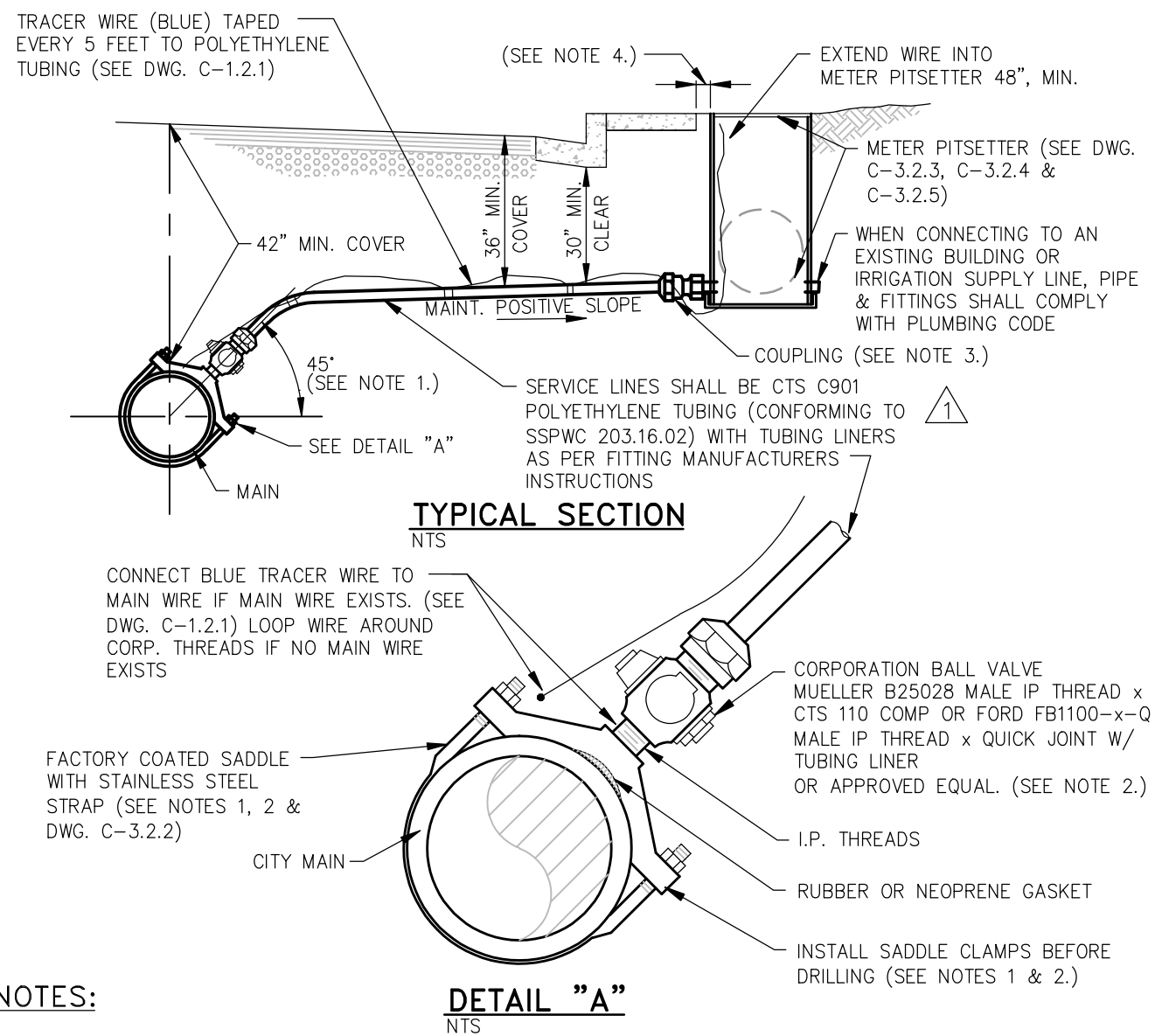
TYPE OF FITTING	90° BEND	45° BEND	11 1/4" OR 22 1/2" BEND	TEE OR DEAD END	TEE W/PLUG	CROSS W/PLUG
4"	2	1	3	2	2	2
6"	4	4	2	4	4	4
8"	7	4	2	5	7	7
10"	12	6	3	8	12	12
12"	16	10	5	12	16	16
14"	20	12	6	14	20	20
16"	27	15	8	18	27	27
18"	45	25	13	32	45	45
24"	65	35	18	46	65	65

TYPE OF FITTING	CROSS W/PLUG	TEE W/PLUG
TYPICAL INSTALLATION		

NOTES:

- THRUST BLOCKS TO BE CONSTRUCTED OF CONCRETE CONFORMING TO 337.10 OF THE SSPWC AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI @ 28 DAYS.
- AREAS GIVEN ARE FOR CLASS 150 PIPE AT WORKING AND TESTING PRESSURE OF 150 P.S.I., WITH 2000 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES SHOULD HAVE AREAS ADJUSTED ACCORDINGLY, SUBJECT TO THE APPROVAL OF THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
- JOINTS, FLANGES, NUTS, BOLTS AND FACE OF PLUG SHALL BE KEPT CLEAR OF CONCRETE.

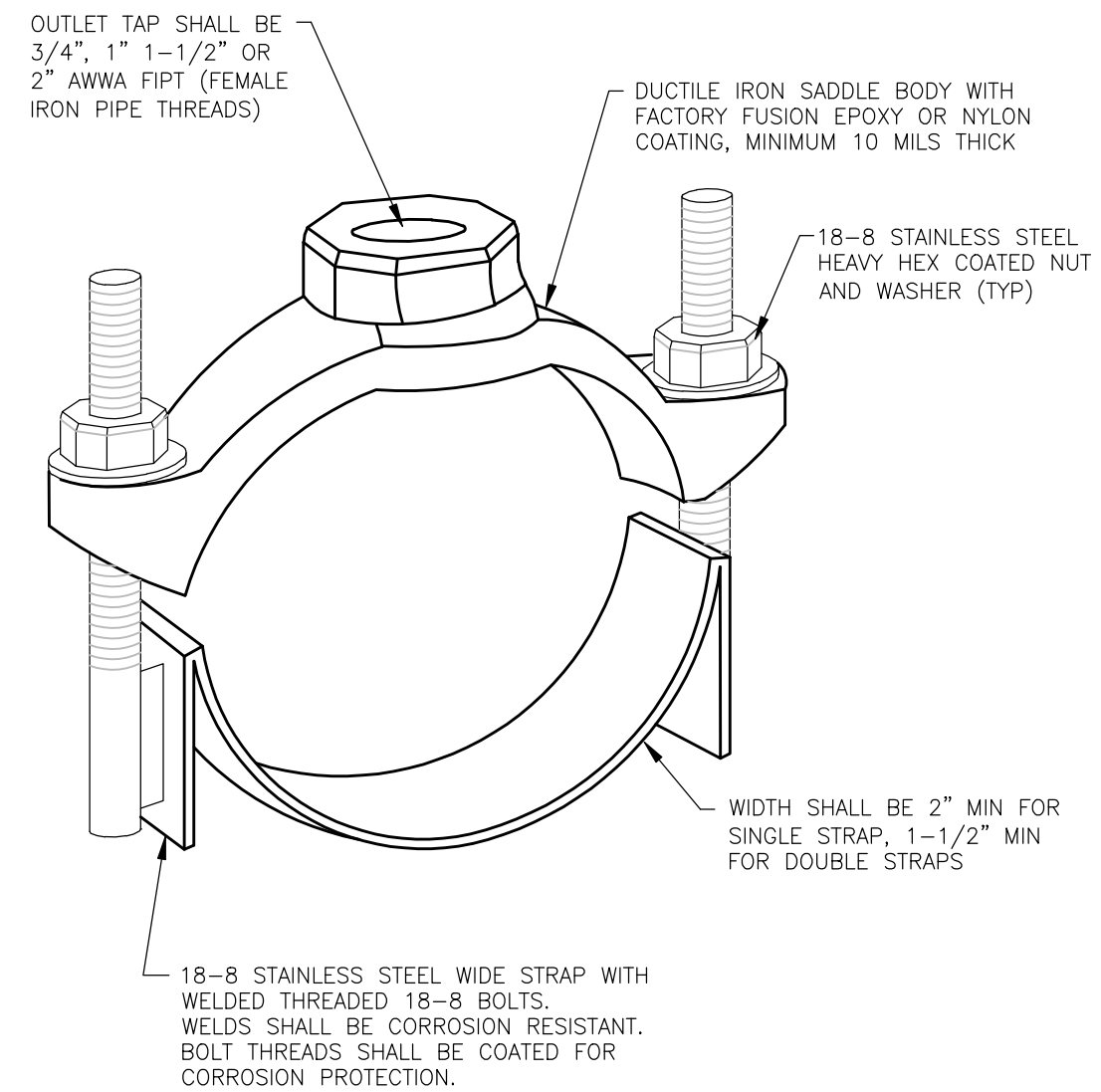
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			THRUST BLOCKS	CARSON CITY DRAWING NO. C-3.1.14 DATE 7/2009



NOTES:

- MINIMUM DISTANCE BETWEEN TAPS AND MAINLINE FITTINGS, INCLUDING BELLS SHALL BE 18 INCHES. TAPPING SADDLE MUST BE AT 45 DEGREE ANGLE, EXCEPTIONS MUST BE APPROVED BY CARSON CITY WATER UTILITY.
- 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 CT4-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 BACKFILLING.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			3/4" TO 2" WATER SERVICE	CARSON CITY DRAWING NO. C-3.2.1 (203, 307) DATE 7/2009



NOTES:

- SERVICE SADDLES FOR 3/4 INCH, 1 INCH, 1-1/2 INCH & 2 INCH TAPS SHALL CONFORM TO AWWA 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 FULLY PASSIVATED.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			3/4" TO 2" SERVICE SADDLE	CARSON CITY DRAWING NO. C-3.2.2 (203, 307) DATE 7/2009

MATERIALS LIST:

- PVC BOX MIN. WALL THICKNESS 0.300", MUELLER THERMAL-COIL METER BOX OR APPROVED EQUAL FACTORY EQUIPED AS LISTED, CONFORMING TO AWWA C800.
- INSULATION PAD (4" THICK)
- AIR SPACE
- PLATFORM
- PLATFORM SUPPORT
- POLYETHYLENE TUBING CLASS 250
- I.P. THREADS
- ALUMINUM BOTTOM
- WATER METER(S) & TRANSPONDER(S) SUPPLIED BY CARSON CITY WATER UTILITY
- CAST IRON LOCKING LID W/ 2" TRANSPONDER OPENING(S) MUELLER METER BOX SETTER LIDS FOR 3/4" SINGLE, PART No. TRPL-780112 FOR 3/4" DOUBLE, PART No. TRPL-780111 FOR 1" SINGLE, PART No. TRPL-780113
- MUELLER LOCKABLE VALVE (NO. 14265)
- MUELLER ANGLE CHECK VALVE
- INLET LINE TO BE 3/4" MIN. (SEE NOTE 1. AND DWG. C-3.2.1)
- INLET LINE TO BE 1" MIN. (SEE NOTE 1. AND DWG. C-3.2.1)
- FACTORY SUPPLIED CAP TO REMAIN IN PLACE UNTIL SUPPLY LINE IS EXTENDED BY CUSTOMER
- BLUE TRACER WIRE EXTEND INTO METER PITSETTER 48" MIN.

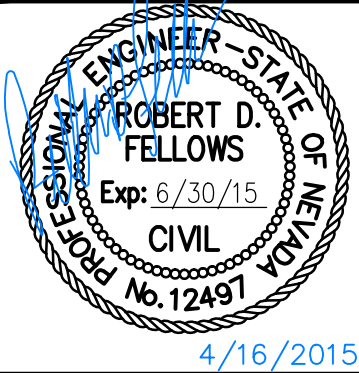
NOTES:

- SERVICE LINE-MIN. SIZE AS SHOWN HEREON (3/4-1")
- PIT SETTER EXTENSION, 6" TOTAL MAX. SHALL ONLY BE USED UPON APPROVAL BY CARSON CITY WATER UTILITY

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			3/4" DOUBLE AND SINGLE PIT SETTER, 1" SINGLE PIT SETTER	CARSON CITY DRAWING NO. C-3.2.3 (203, 307) DATE 7/2009

DESIGNED BY: DGR/RFJ
DRAWN BY: DGR
CHECKED BY: RFJ
DWG NO.: 50701 SEWER PLAN
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 4/15/15

CARSON CITY DEPARTMENT
PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 775-887-2355 FAX: 775-887-2112

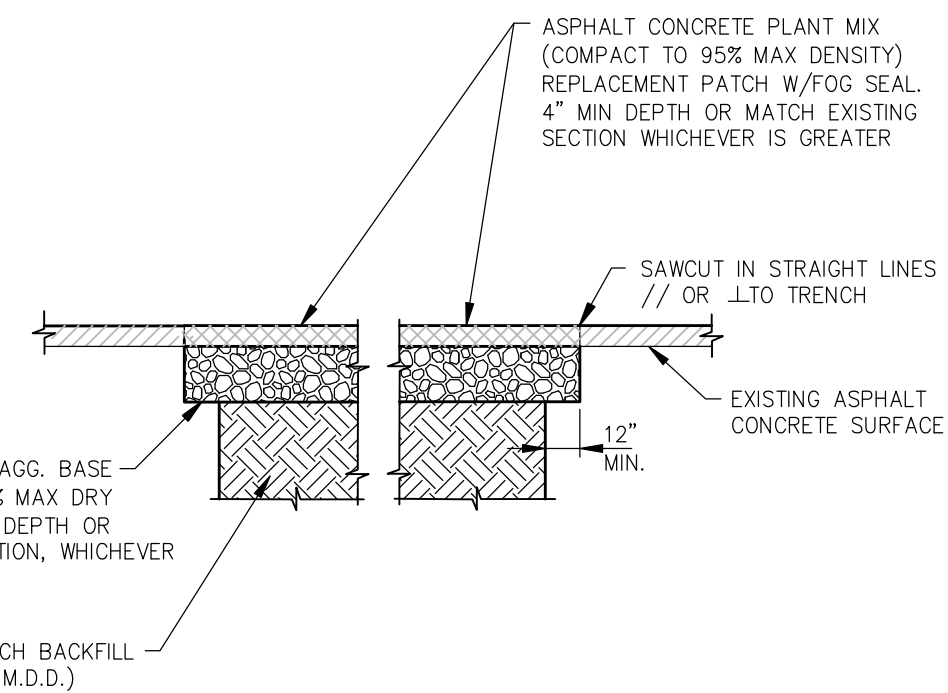


REV.	DATE	DESCRIPTION	BY	APP'D

CLEAR CREEK AVENUE
SANITARY SEWER EXTENSION
PROJECT No. 5.0023
CLEAR CREEK AVENUE
CONSTRUCTION DETAILS

SHEET
C14
OF
23

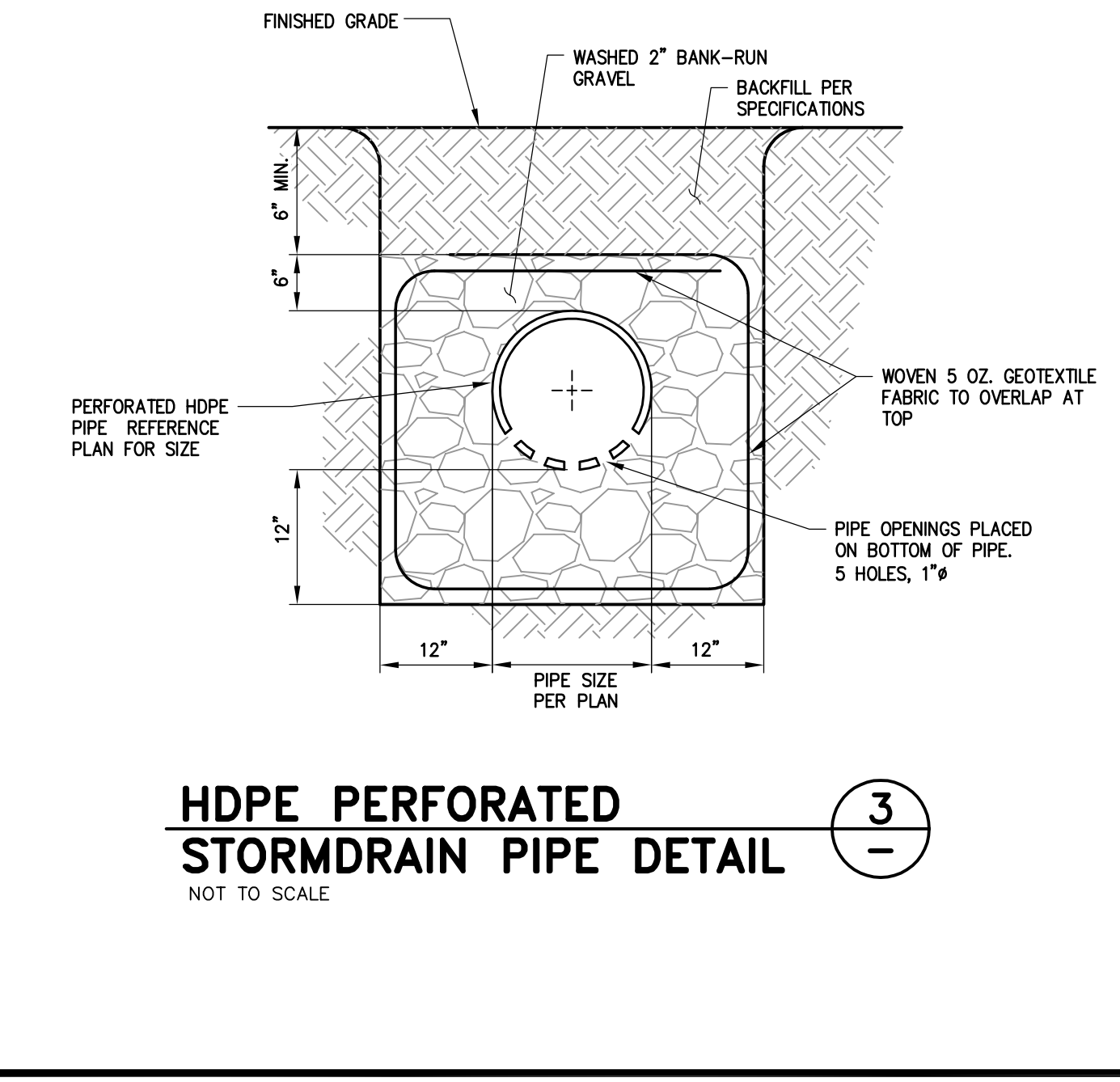
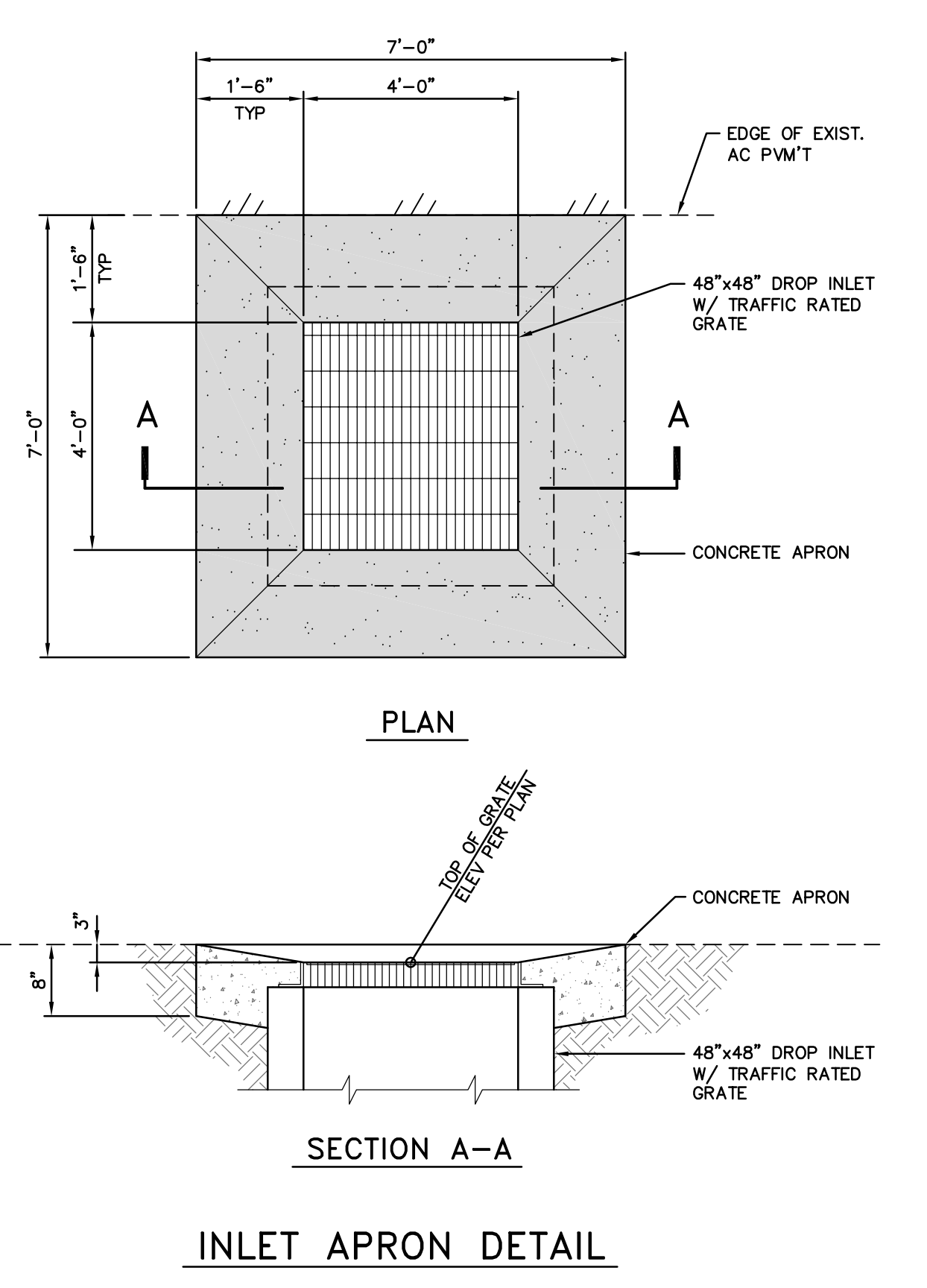
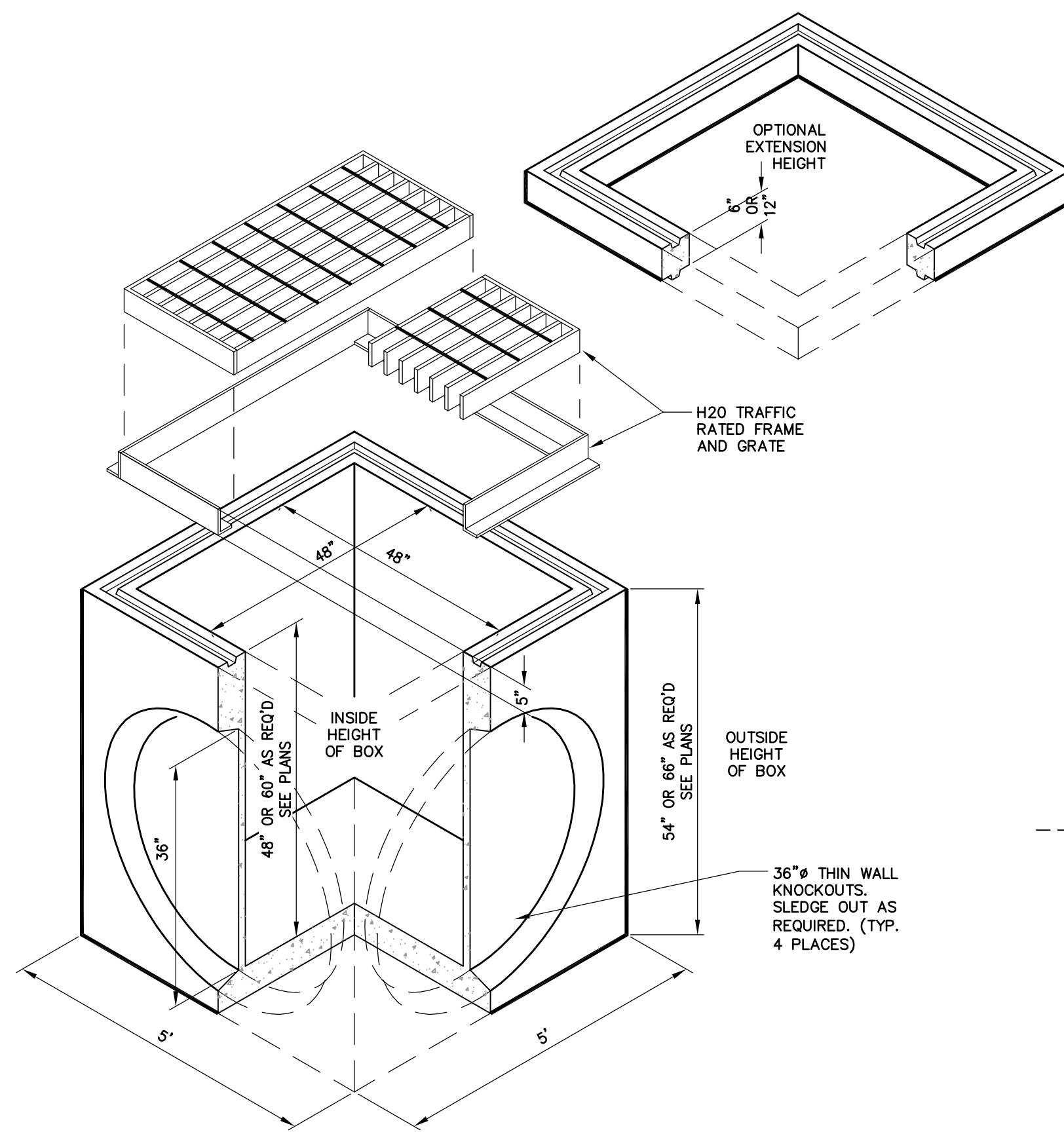
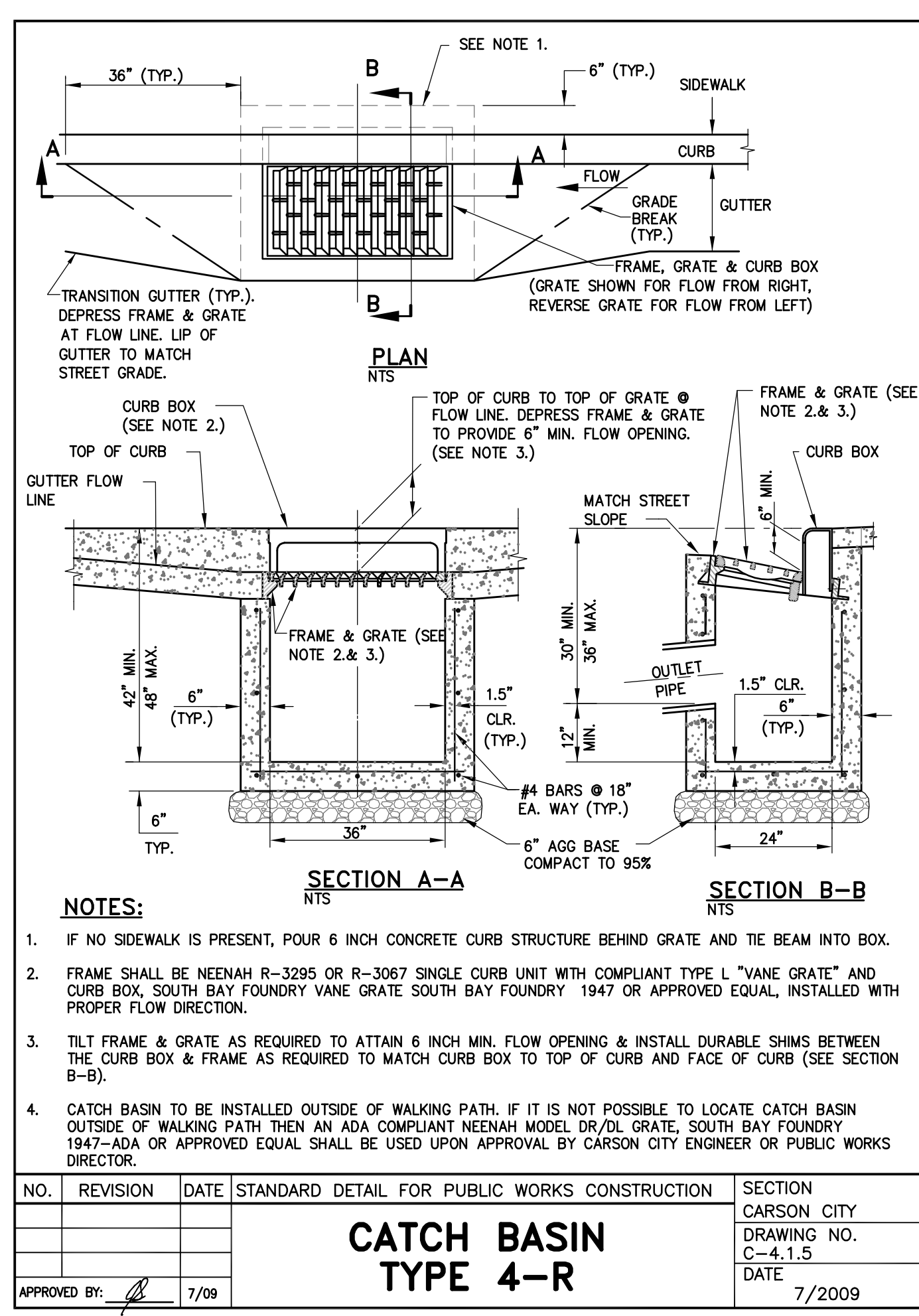
FOR BIDDING PURPOSES ONLY



NOTES:

- 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 BITUMINOUS 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.

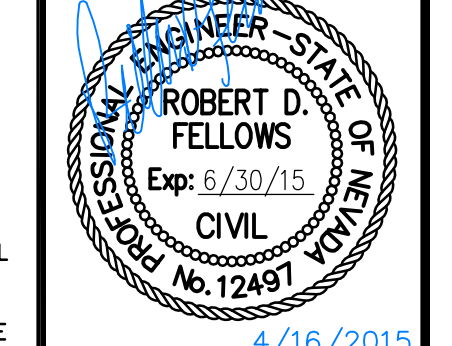
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			PAVEMENT PATCH (MODIFIED)	CARSON CITY DRAWING NO. C-5.1.6 DATE 7/2009



DESIGNED BY: DGR/DLO/RE
 DRAWN BY: DGR/DLO
 CHECKED BY: DGR/RF
 DWG NO.: 5-0701.sp.dwg
 SCALE (HORIZ): AS SHOWN
 SCALE (VERT): N/A
 PLOT DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT

3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 887-2355 FAX: 887-2112

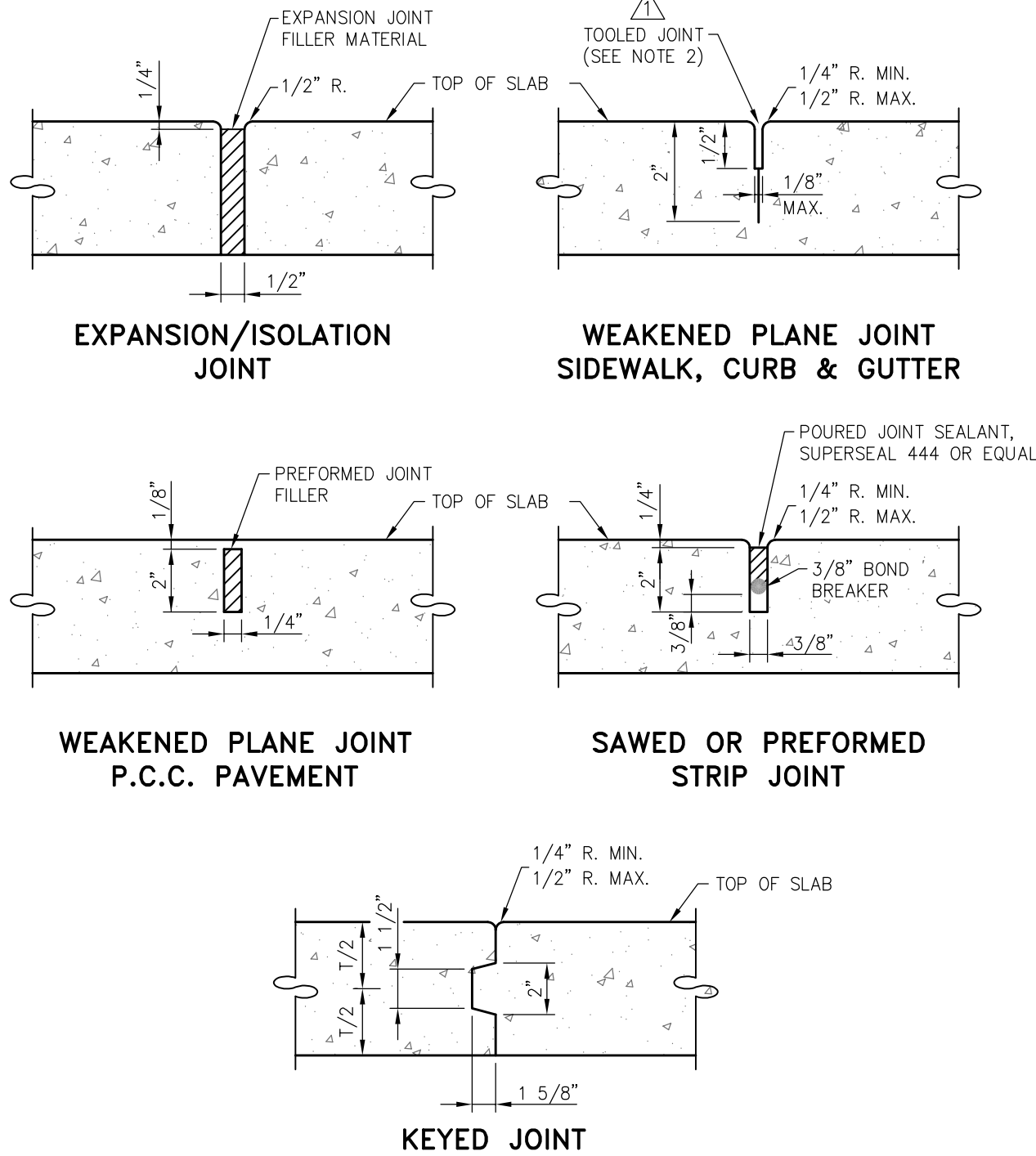


REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 5.0023
 CLEAR CREEK AVENUE
 STORMDRAIN DETAILS**

SHEET
C15
 OF
23

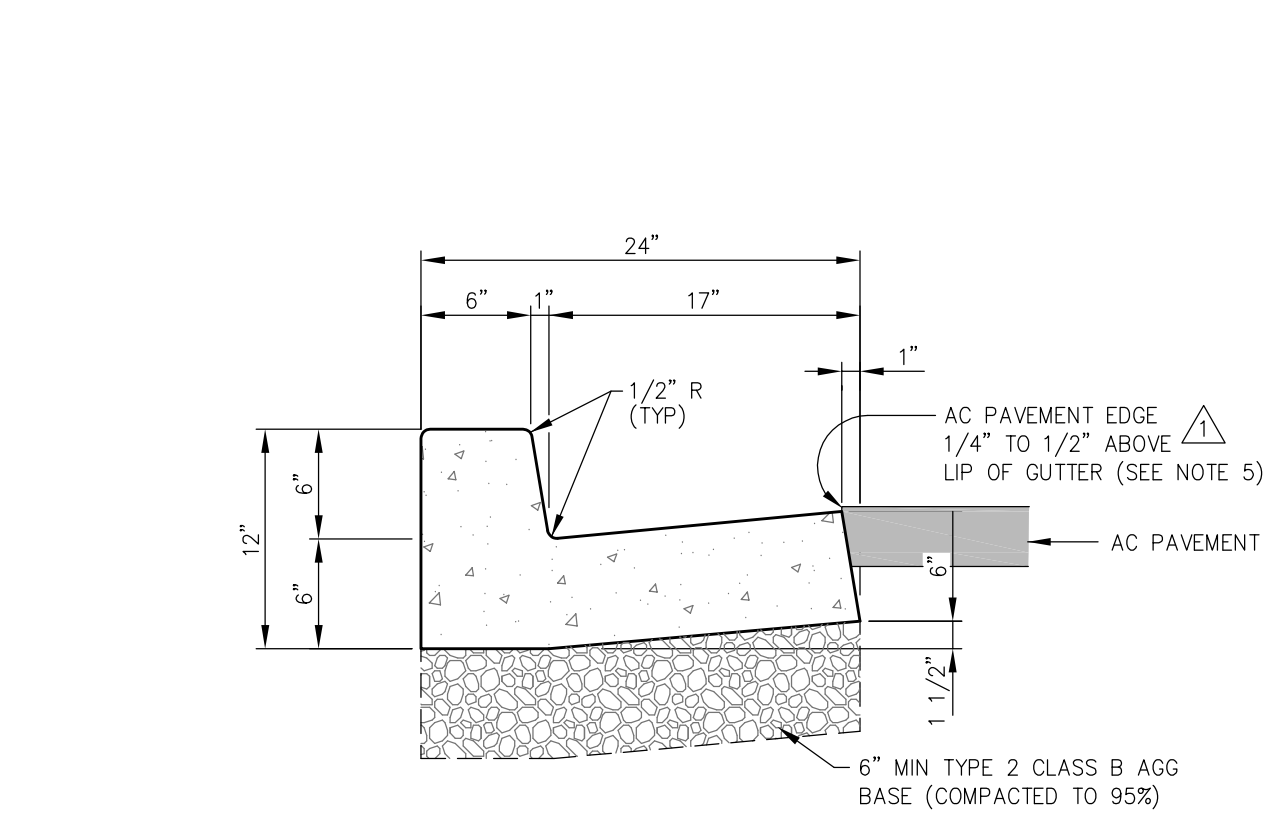
FOR BIDDING PURPOSES ONLY



NOTES:

- ALL CONCRETE EDGING AND JOINTING SHALL CONFORM TO SECTION 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
- AFTER PRELIMINARY TROWELING, THE CONCRETE SHALL BE PARTED TO A DEPTH OF 2 INCHES WITH A STRAIGHTEDGE. THE CONCRETE SHALL THEN BE REFOATED TO FILL THE PARTED JOINT WITH MORTAR. FINAL JOINT FINISHING SHALL BE ACCOMPLISHED WITH A JOINTER TOOL AS SHOWN. (SSPWC 312.09.02)

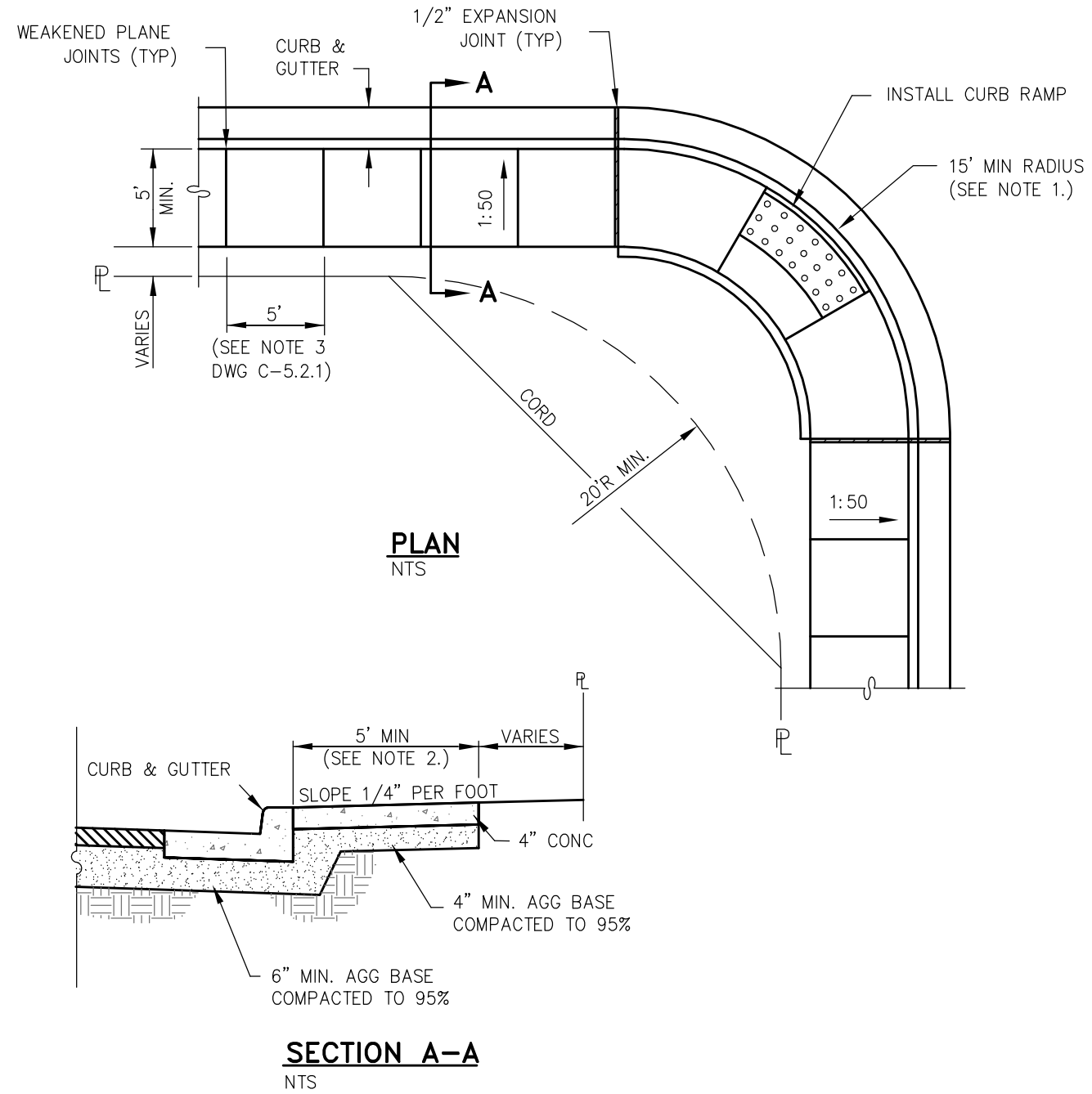
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.1.1 (312)	DATE 5/2014
1	REVISED JOINT ADDED NOTE 2	5/14			
APPROVED BY: [Signature] 5/14					



NOTES:

- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES ALL MATERIALS SHALL CONFORM TO SECTION 202 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- ALL CONCRETE CURB & GUTTER SHALL HAVE 1/2 INCH EXPANSION JOINTS EVERY 30 FEET (UNLESS APPROVED OTHERWISE BY THE ENGINEER) AND AT ALL CURB RETURNS AND SHALL HAVE WEAKENED PLANE JOINTS EVERY 10 FEET. CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL C-5.1.1 AND CONFORM TO SECTION 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
- ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND CONFORM TO SECTION 200.01 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED TO 95% COMPACTION, IN CONFORMANCE WITH SECTION 308.05 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- CURBS SHALL BE MARKED WITH A 2 INCH "S" ON THE TOP OF CURB AT SEWER LATERAL LOCATIONS.
- EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP, WITHIN AN ACCESSIBLE ROUTE OR BIKE LANE.

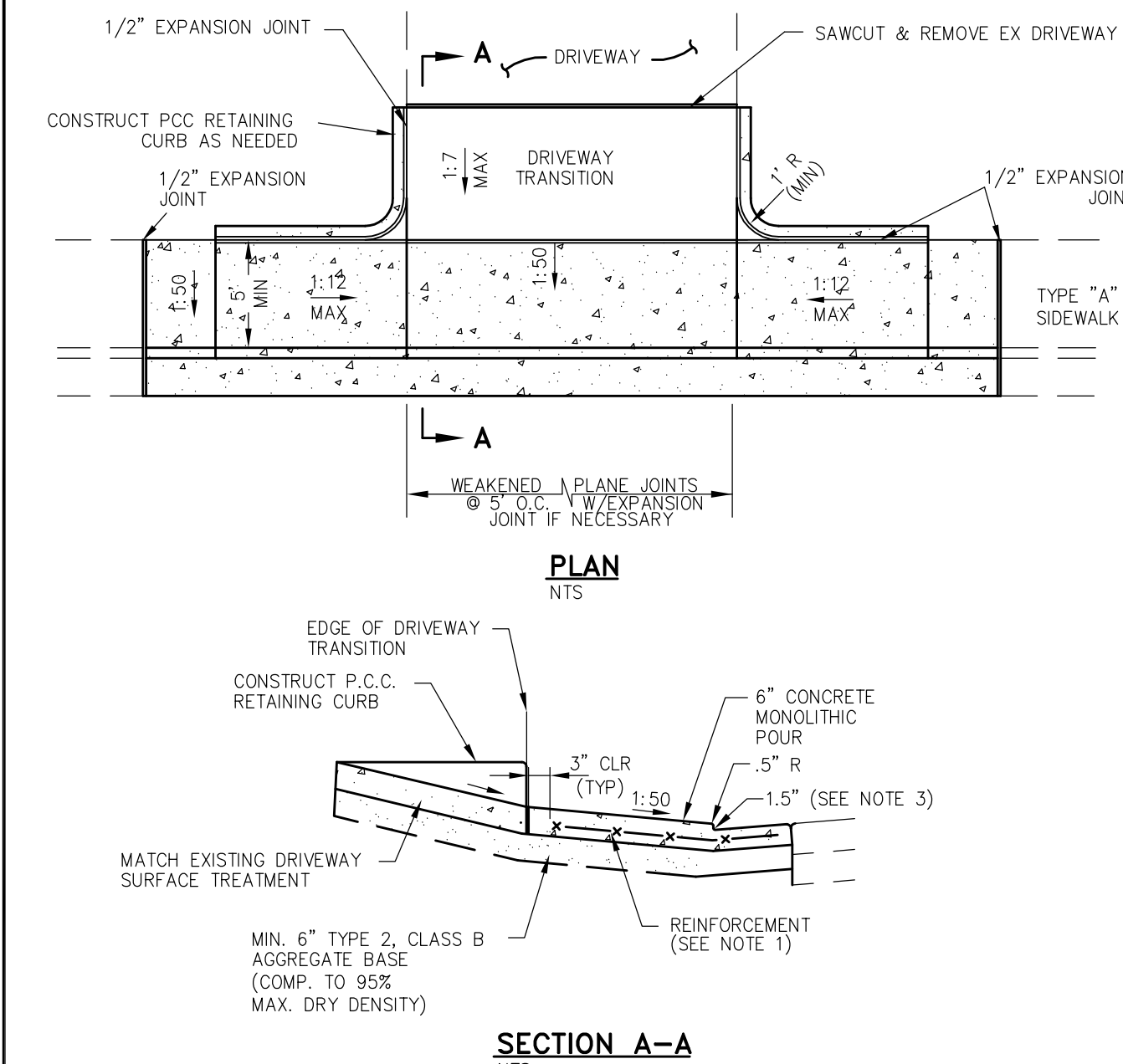
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.1.3	DATE 5/2014
1	AC/LIP	06/12			
2	NOTE 5	05/14			
APPROVED BY: [Signature] 05/14					



NOTES:

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

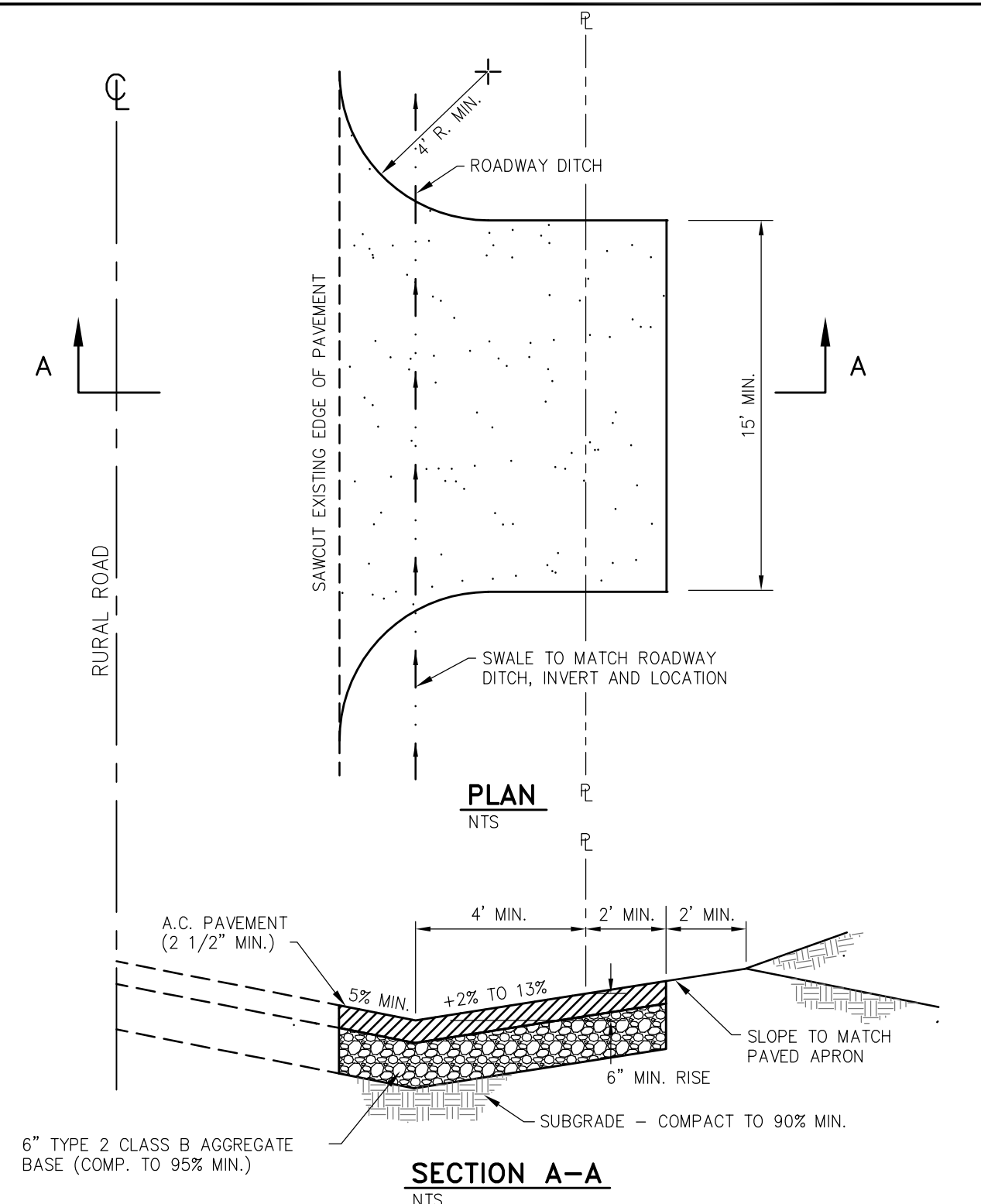
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.2.2	DATE 7/2009
APPROVED BY: [Signature] 7/09					



NOTES:

- COMMERCIAL DRIVEWAYS TO HAVE 6 INCH X 6 INCH 10/10 WIRE MESH EXTENDED INTO GUTTER PAN UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- DRIVEWAY LANDING, SIDEWALK, CURB & GUTTER TO BE MONOLITHIC POUR TO A.C. LANE.
- CURB HEIGHT AT LANDING SHALL BE 1 INCH MINIMUM AND 2 INCH MAXIMUM (3 INCH MAX UPON CARSON CITY PUBLIC WORKS APPROVAL) 2 INCH RADIUS TO BE USED WHEN CURB HEIGHT AT LANDING IS GREATER THAN 2 INCHES.
- DRIVEWAY APRONS SHALL BE CONSTRUCTED IN COMPLIANCE WITH STANDARD DETAILS C-5.1.1 AND C-5.2.1.

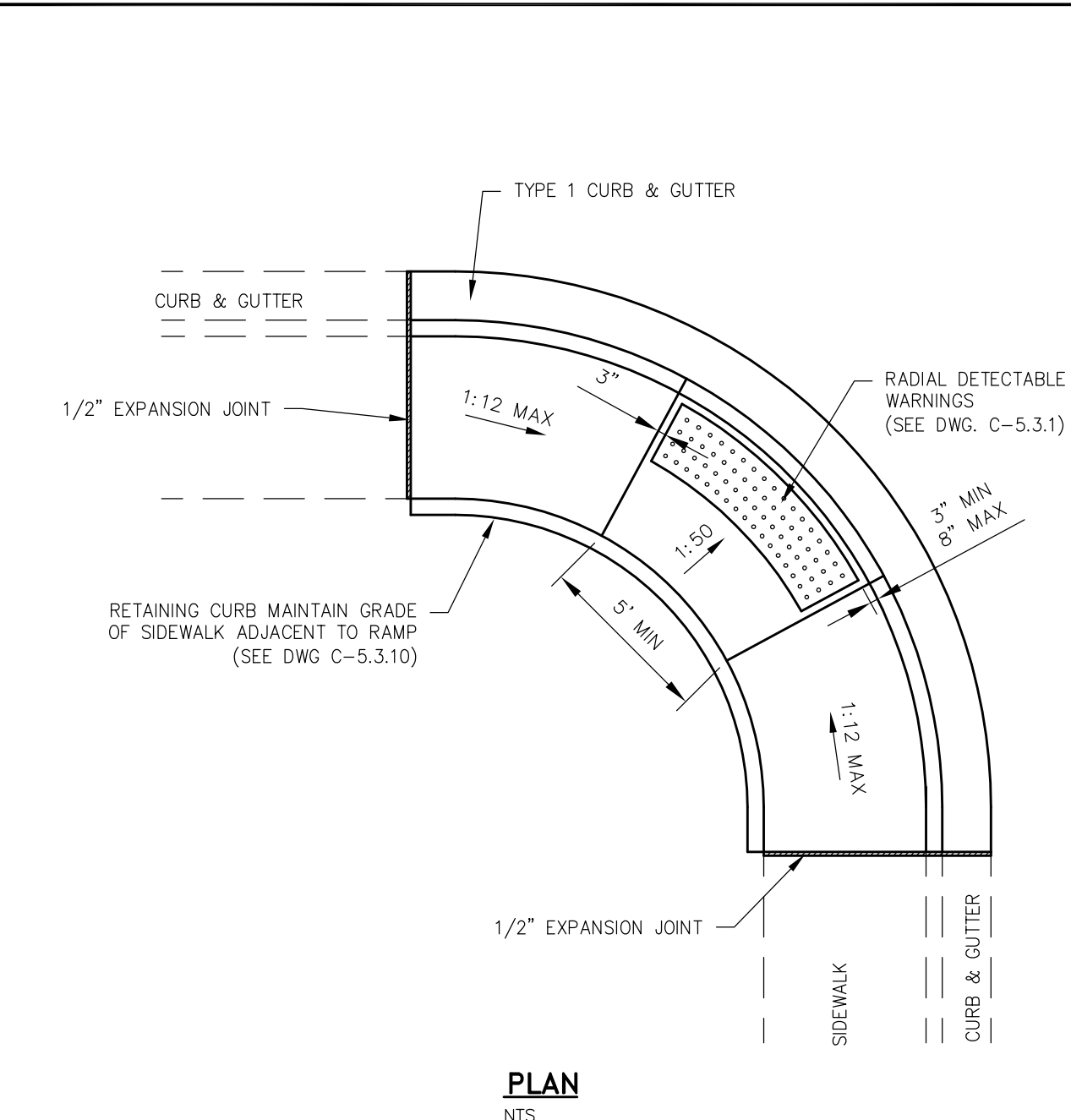
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.2.3	DATE 5/2014
1	NOTE 1	05/14			
APPROVED BY: [Signature] 05/14					



NOTES:

- IN LIEU OF A.C. SURFACING A 6 INCH THICK P.C.C. SLAB WITH 6 INCH X 6 INCH WWF AND 6 INCHES OF SELECT GRANULAR BASE (COMP. TO 95% MIN.) MAY BE USED.

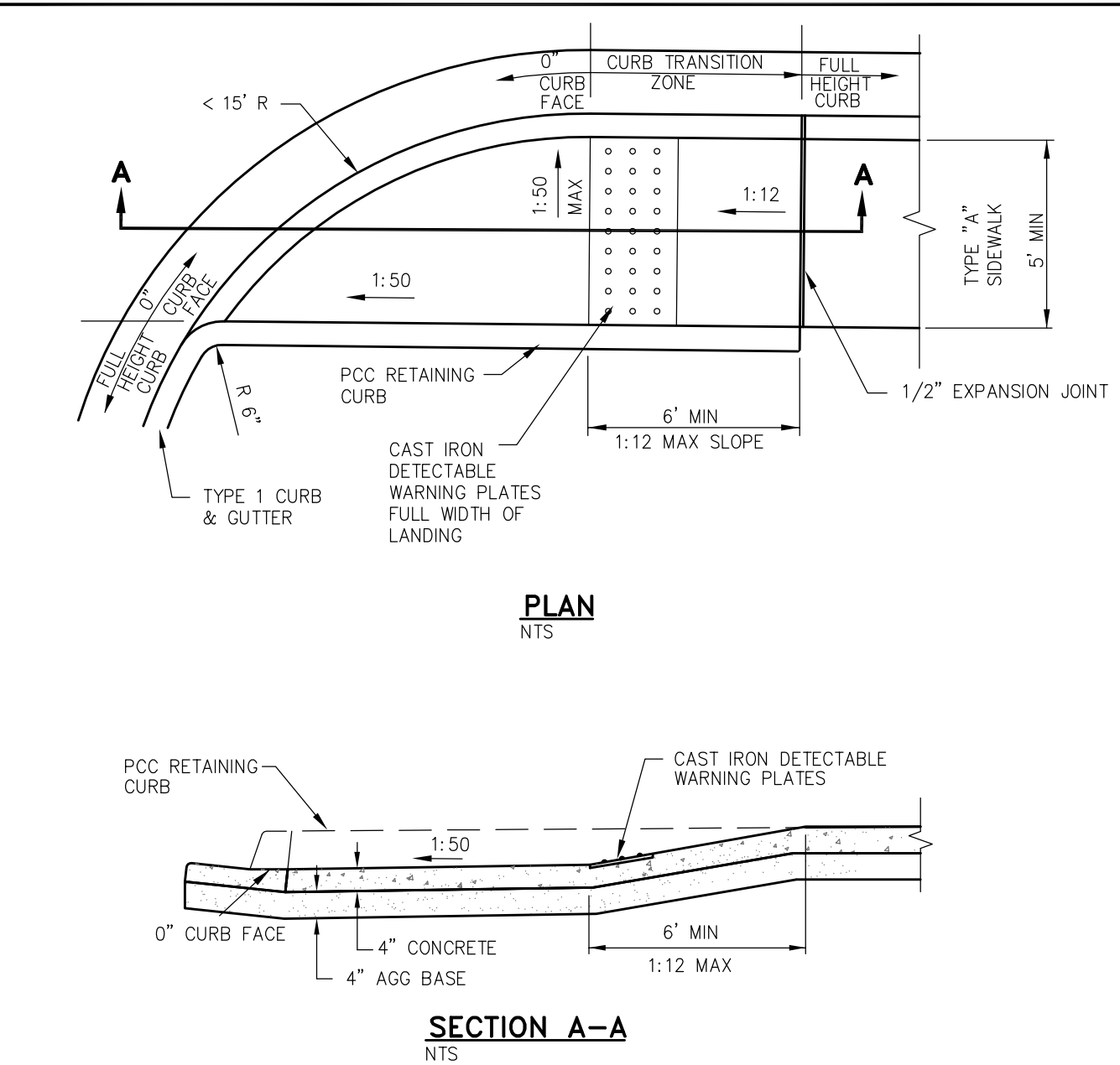
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.2.5	DATE 7/2009
APPROVED BY: [Signature] 7/09					



NOTES:

- NOT FOR USE WITH OFFSET SIDEWALKS.
- RETAINING CURBS ARE TO BE USED IN ALL CASES AND FINISH GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
- SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

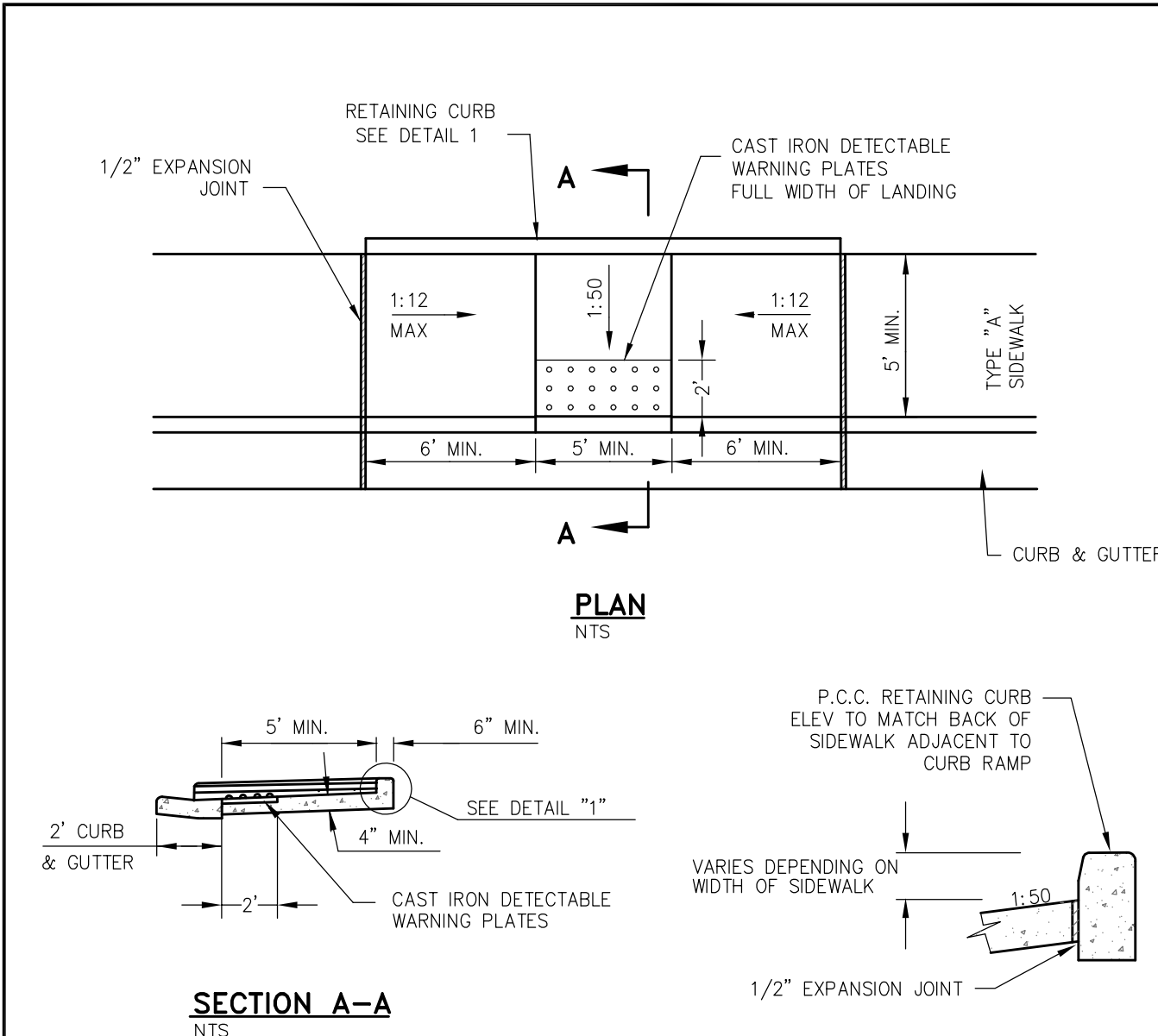
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.3.5	DATE 7/2009
APPROVED BY: [Signature] 7/09					



NOTES:

- LINEAR SINGLE TRANSITION CURB RAMP TO BE USED ONLY AT RETURNS HAVING LESS THAN A 15 FOOT RADIUS.
- NOT FOR USE WITH OFFSET SIDEWALKS.
- RETAINING CURBS ARE TO BE USED IN ALL CASES AND EXISTING GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
- SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.3.8	DATE 7/2009
APPROVED BY: [Signature] 7/09					



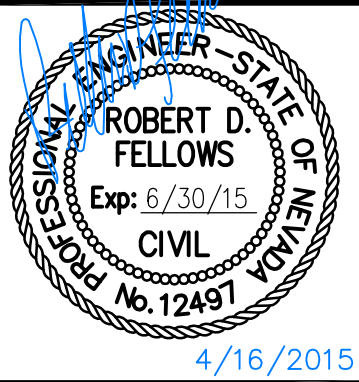
NOTES:

- RETAINING CURB TO BE USED IN ALL CASES. MAINTAIN SLOPE OF SIDEWALK OUTSIDE OF CURB RAMP.
- SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.3.9	DATE 7/2009
APPROVED BY: [Signature] 7/09					

DESIGNED BY: DGR/DLO/RE
 DRAWN BY: DGR/DLO
 CHECKED BY: DGR/RF
 DWG NO.: 5-0701 street plan.dwg
 SCALE (HORIZ): AS SHOWN
 SCALE (VERT): 1/4" = 1'-0"
 PLOT DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 887-2355 FAX: 887-2112

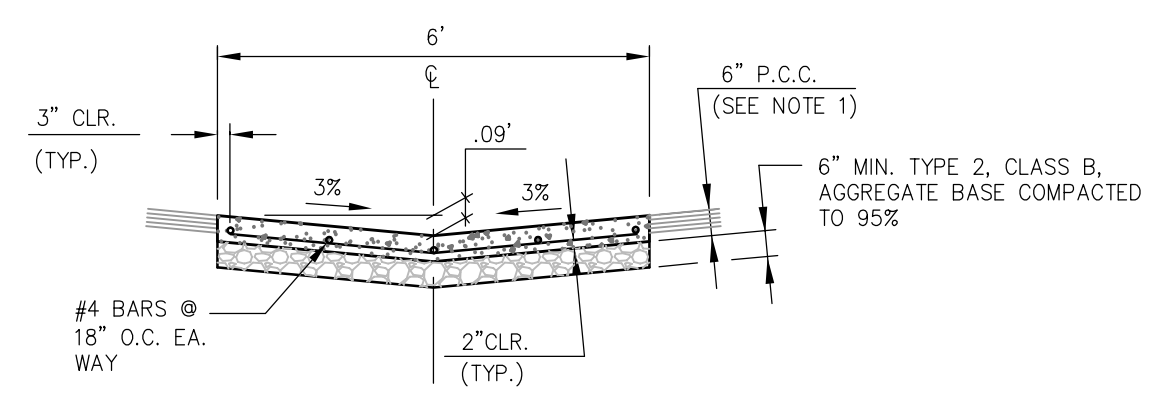
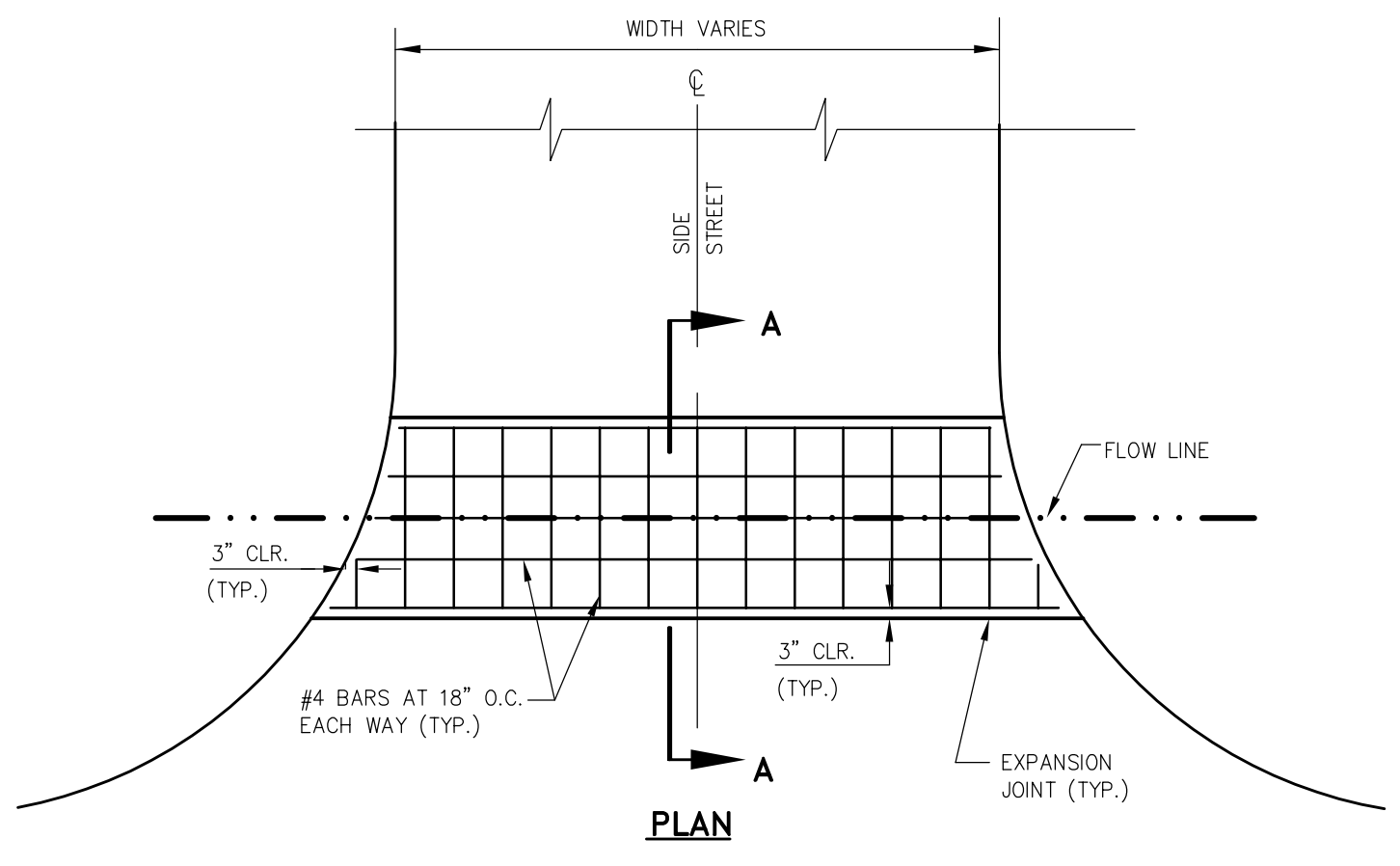
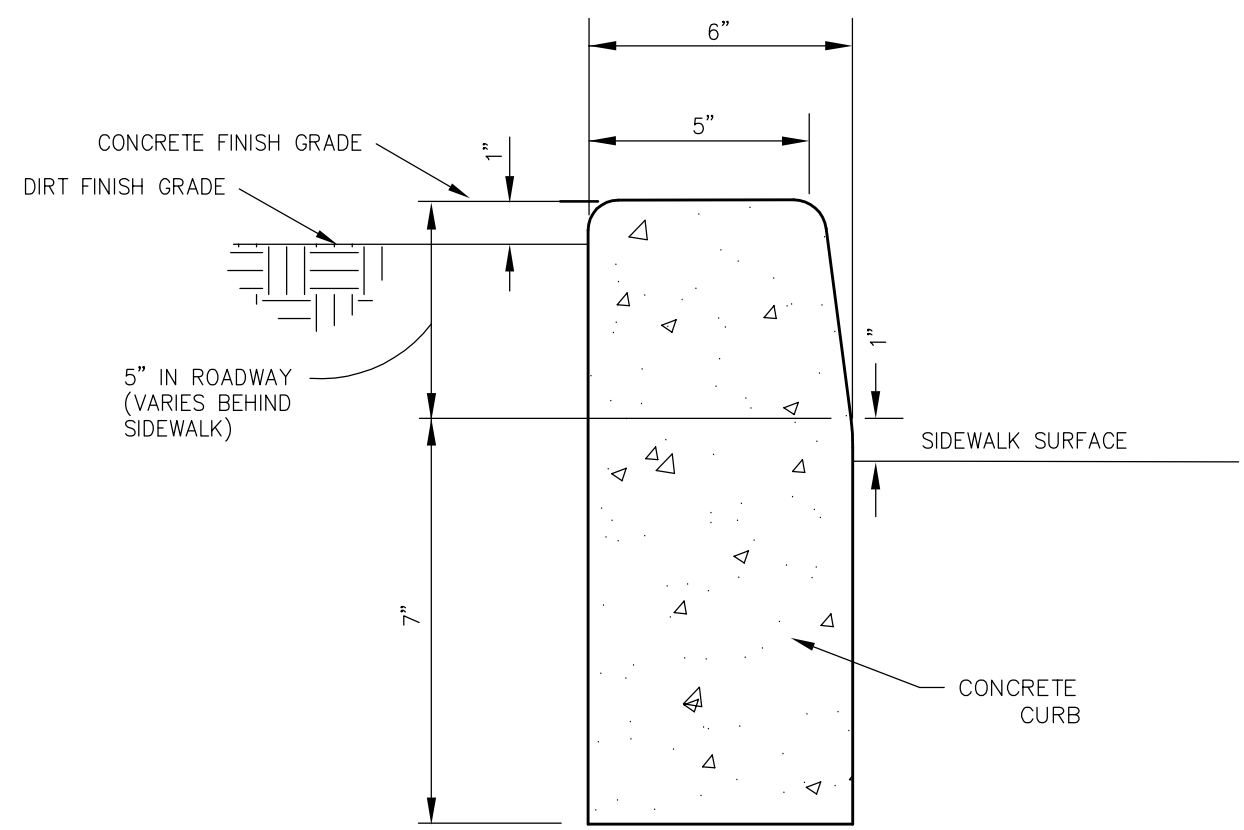


BY	APP'D

REV.	DATE	DESCRIPTION

CLEAR CREEK AVENUE SANITARY SEWER EXTENSION PROJECT No. 5.0023
CLEAR CREEK AVENUE STREET PLANS PAVING DETAILS

FOR BIDDING PURPOSES ONLY



- NOTES:**
- NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY CARSON CITY PUBLIC WORKS
 - ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DETAIL 5.1.1 AND CONFORM TO SEC. 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

- NOTES:**
- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT $\pm 1.5\%$, SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. POLYPROPYLENE FIBERS SHALL BE ADDED TO THE P.C.C. PER THE MANUFACTURER'S RECOMMENDATIONS. AGGREGATE BASE SHALL BE ENGINEERED TYPE 2, CLASS B WITH 95% COMPACTION.
 - VALLEY GUTTER SHALL HAVE WEAKENED PLANE JOINTS EVERY 10 FEET.
 - ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL C-5.1.1 AND CONFORM TO SECTION 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-5.3.10
				DATE 7/2009

P.C.C. RETAINING CURB

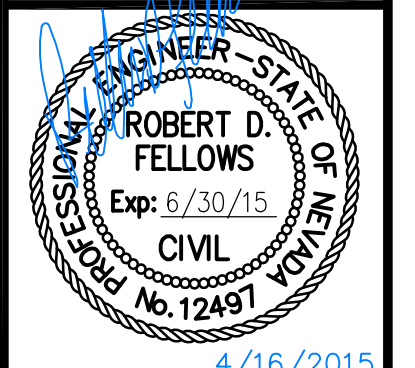
VALLEY GUTTER DETAIL

1
-

NOT TO SCALE

DESIGNED BY: DGR/DLO/RE
 DRAWN BY: DGR/DLO
 CHECKED BY: DGR/RF
 DWG NO.: 5-0701 street plan.dwg
 SCALE (HORIZ): AS SHOWN
 SCALE (VERT): N/A
 PLOT DATE: 4/15/15

CARSON CITY PUBLIC WORKS DEPARTMENT
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 887-2355 FAX: 887-2112



4/16/2015

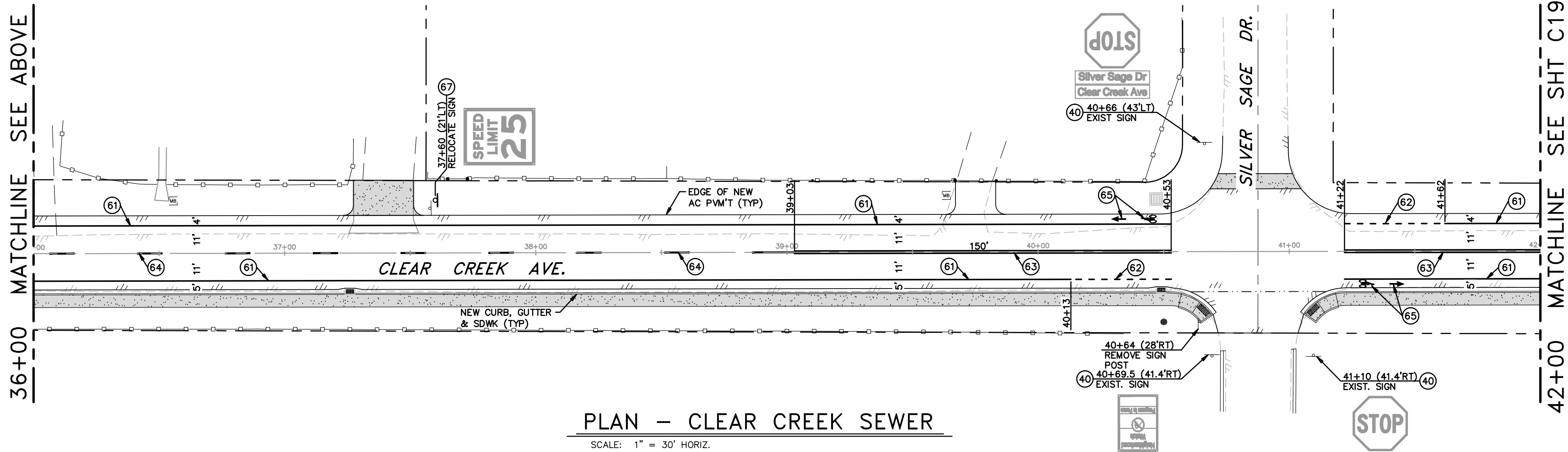
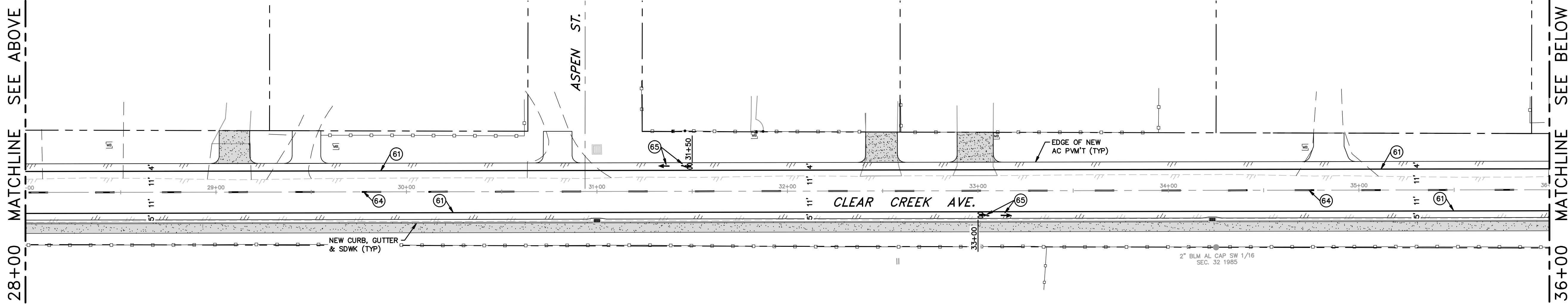
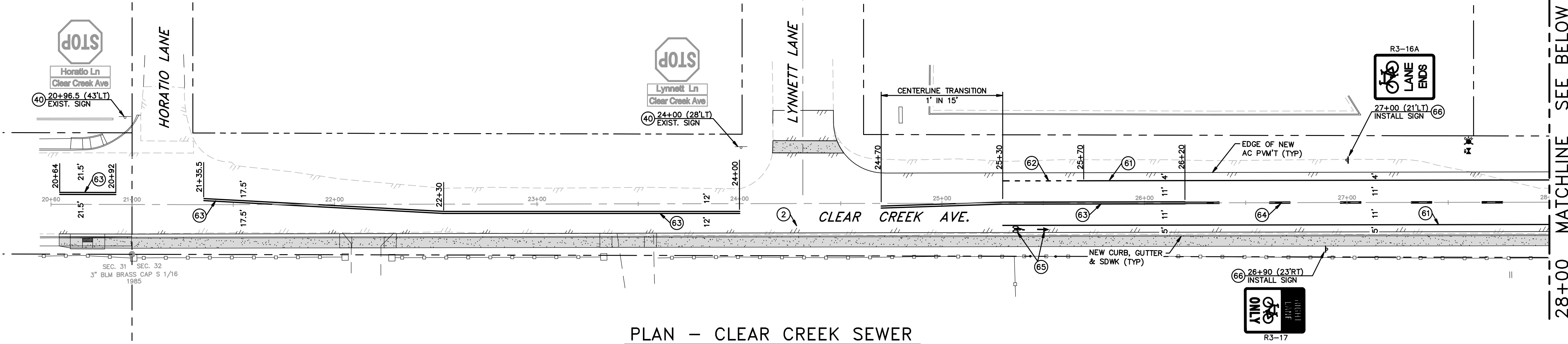
REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
 SANITARY SEWER EXTENSION
 PROJECT No. 5.0023
 CLEAR CREEK AVENUE
 STREET PLANS
 PAVING DETAILS**

SHEET
C17
 OF
23

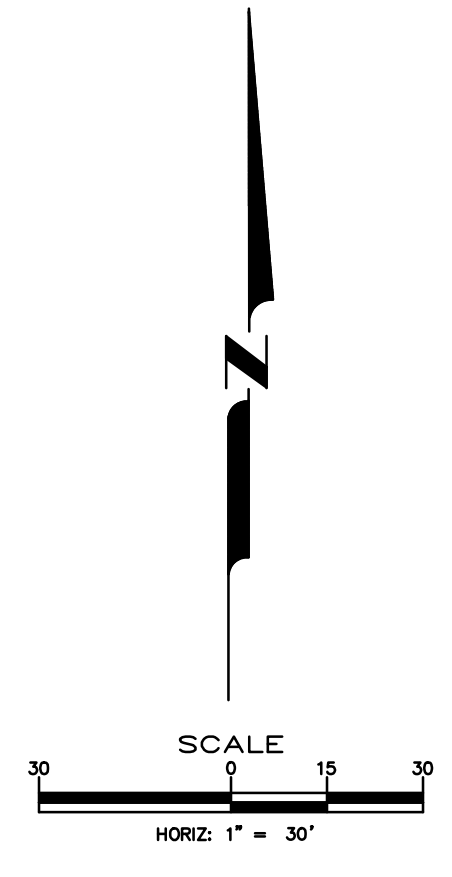
FOR BIDDING PURPOSES ONLY

I:\CAPITAL PROJECTS\Projects\050023-ClearCreekSewer\02-Design\Drawings\ClearCreekSewer\PLAN.dwg, April 18, 2015



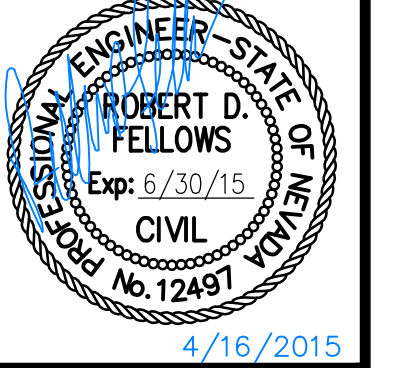
CONSTRUCTION NOTES:

- (40) PROTECT-IN-PLACE
- (60) PAINT 24" WIDE SOLID WHITE STOP BAR PER STD. DRAWING C-5.4.3
- (61) PAINT 6" WIDE SOLID WHITE LANE LINE
- (62) PAINT 6" WIDE WHITE DOTTED LINE (2' STRIPE, 6' SPACE)
- (63) PAINT 4" WIDE SOLID DOUBLE YELLOW CENTERLINE STRIPE
- (64) PAINT 4" WIDE WHITE CENTERLINE SKIP STRIPE (7' STRIPE, 21' SPACE)
- (65) PAINT SOLID WHITE BICYCLE WITH ARROW LEGEND AS SHOWN
- (66) INSTALL NEW SIGN AND POST PER STD. DRAWING C-5.4.2
- (67) REINSTALL EXISTING TRAFFIC SIGN AND POST PER STD. DRAWING C-5.4.2



DESIGNED BY: DGR/RDF
DRAWN BY: DGR
CHECKED BY: RDF
DWG NO.: 50701 SEWER PLAN
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 4/15/15

**CARSON CITY
PUBLIC WORKS DEPARTMENT**
3505 BUTTE WAY CARSON CITY, NEVADA 89701
PH: 775-887-2355 FAX: 775-887-2112



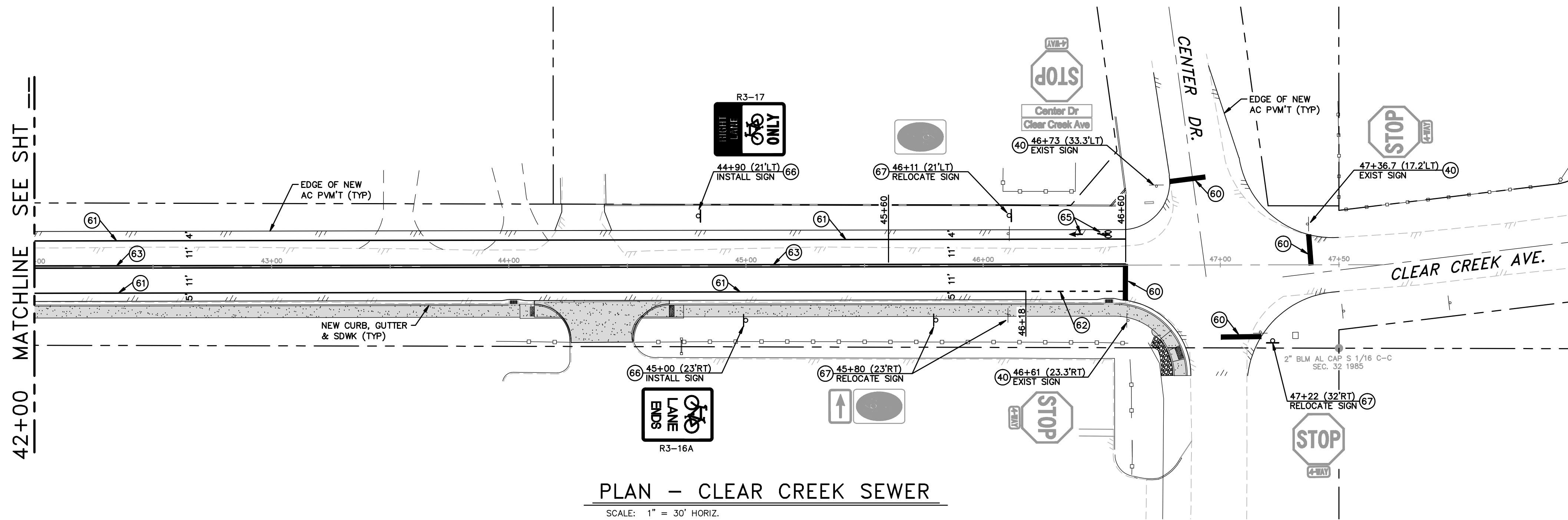
REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
SANITARY SEWER EXTENSION
PROJECT No. 050701**
**CLEAR CREEK AVENUE
SIGNING & STRIPING PLAN
STA 24+00 to STA 30+50**

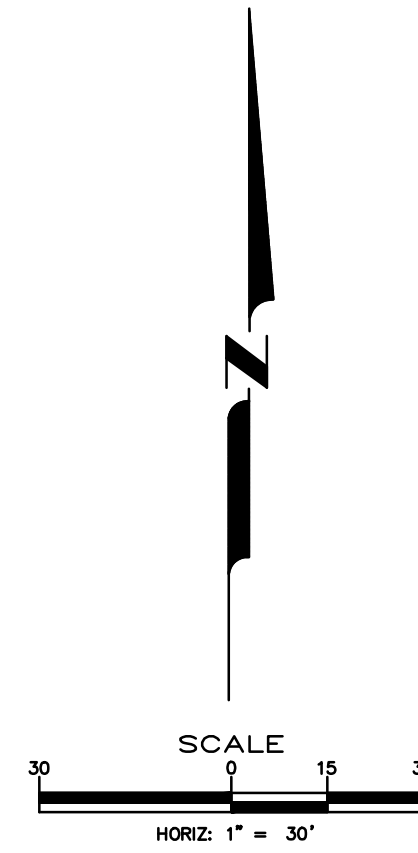
SHEET
C18
OF
23

FOR BIDDING PURPOSES ONLY

42+00 MATCHLINE SEE SHT



PLAN - CLEAR CREEK SEWER
SCALE: 1" = 30' HORIZ.

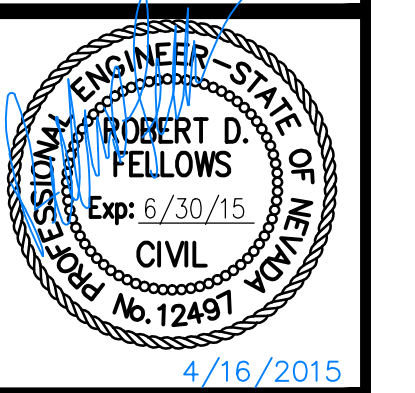


CONSTRUCTION NOTES:

- (40) PROTECT-IN-PLACE
- (60) PAINT 24" WIDE SOLID WHITE STOP BAR PER STD. DRAWING C-5.4.3
- (61) PAINT 6" WIDE SOLID WHITE LANE LINE
- (62) PAINT 6" WIDE WHITE DOTTED LINE (2' STRIPE, 6' SPACE)
- (63) PAINT 4" WIDE SOLID DOUBLE YELLOW CENTERLINE STRIPE
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- (65) PAINT SOLID WHITE BICYCLE WITH ARROW LEGEND AS SHOWN
- (66) INSTALL NEW SIGN AND POST PER STD. DRAWING C-5.4.2
- (67) REINSTALL EXISTING TRAFFIC SIGN AND POST PER STD. DRAWING C-5.4.2

DESIGNED BY: DGR/RDF
DRAWN BY: DGR
CHECKED BY: RDF
DWG NO.: 50701 SEWER PLAN
SCALE (HORIZ): 1"=30'
SCALE (VERT): 1"=3'
PLOT DATE: 4/15/15

**CARSON CITY DEPARTMENT
PUBLIC WORKS DEPARTMENT**
3505 BUTTE WAY CARSON CITY, NEVADA 89701
PH: 775-887-2355 FAX: 775-887-2112



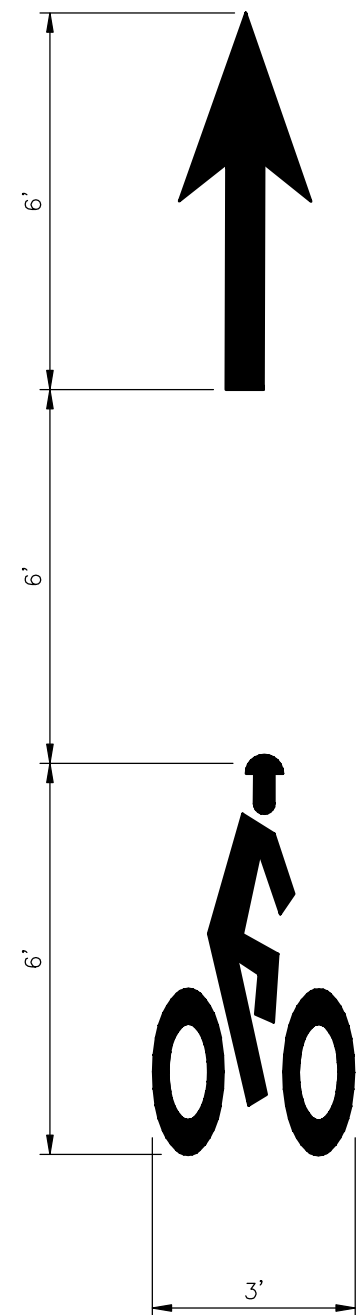
4/16/2015

REV.	DATE	DESCRIPTION	BY	APP'D

**CLEAR CREEK AVENUE
SANITARY SEWER EXTENSION
PROJECT No. 050701**
**CLEAR CREEK AVENUE
SIGNING & STRIPING PLAN
STA 24+00 TO STA 30+50**

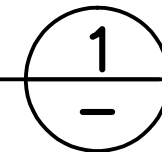
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OF
23

FOR BIDDING PURPOSES ONLY



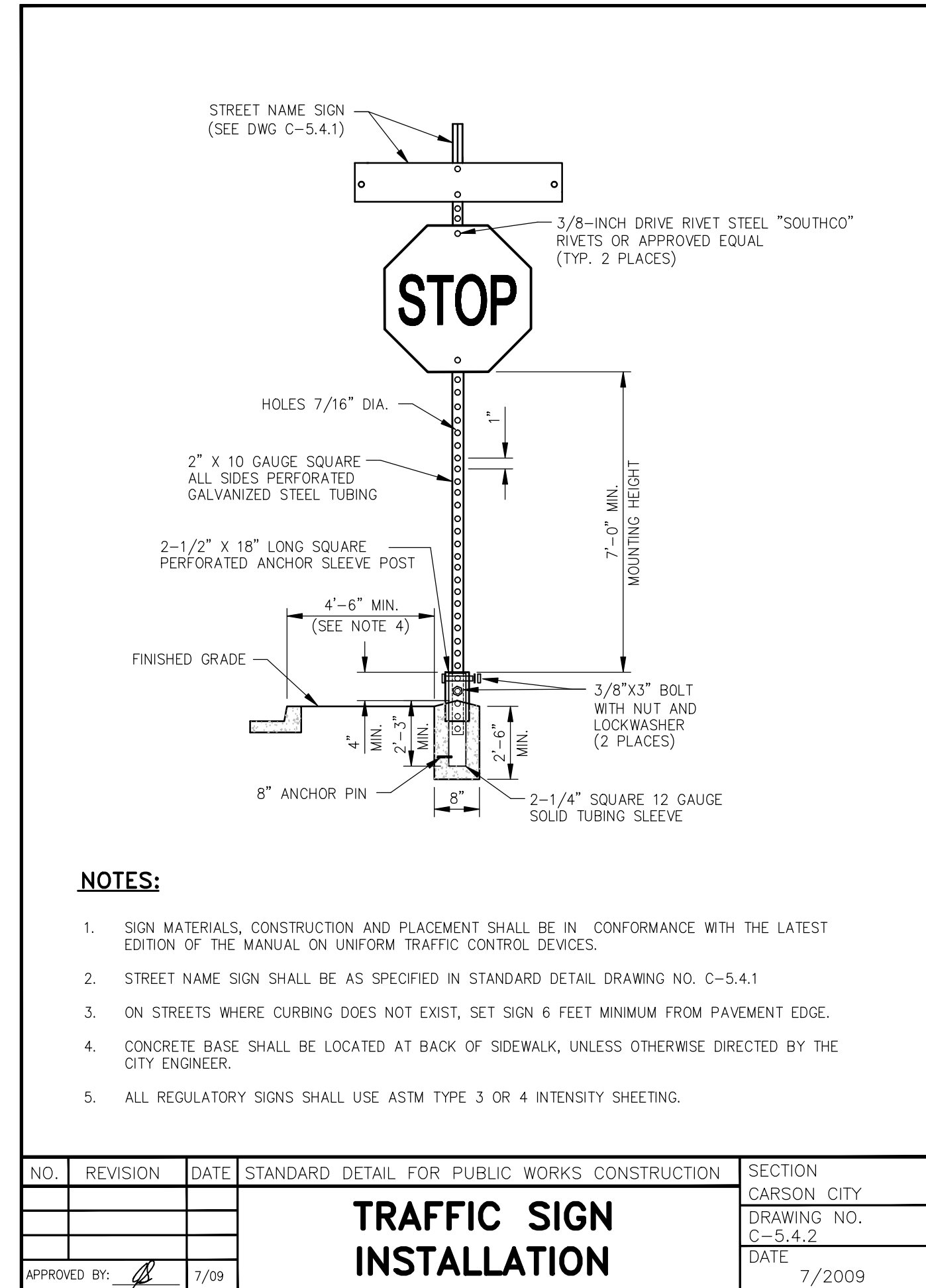
BIKE LANE LEGEND

NOT TO SCALE



NOTES:

- ALL STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, 2009 EDITION.
- ALL PAINTED STRIPING AND PAVEMENT LEGENDS SHALL CONFORM TO CARSON CITY STREETS DEPARTMENT SPECIFICATIONS.

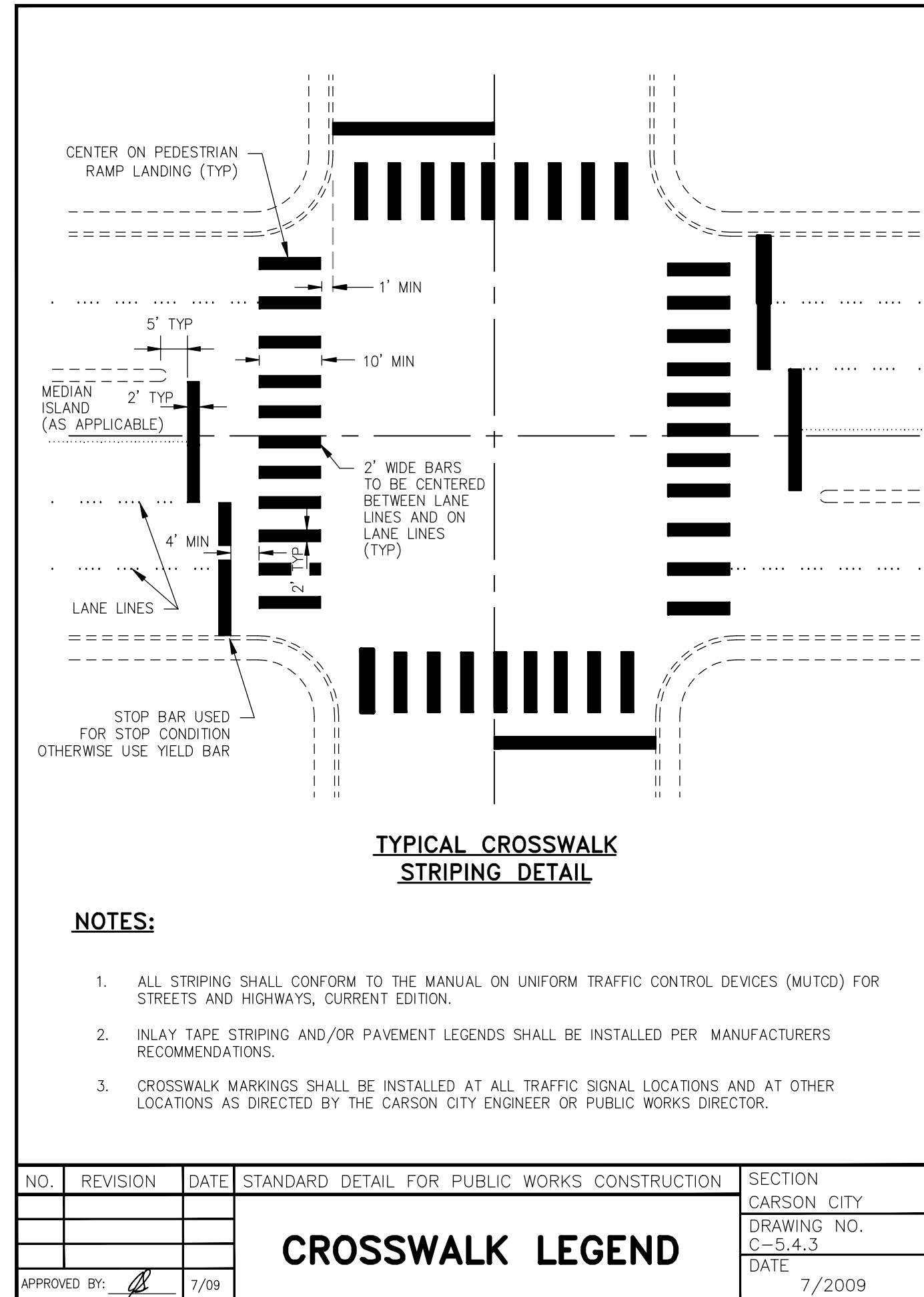


NOTES:

- SIGN MATERIALS, CONSTRUCTION AND PLACEMENT SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- STREET NAME SIGN SHALL BE AS SPECIFIED IN STANDARD DETAIL DRAWING NO. C-5.4.1
- ON STREETS WHERE CURBING DOES NOT EXIST, SET SIGN 6 FEET MINIMUM FROM PAVEMENT EDGE.
- CONCRETE BASE SHALL BE LOCATED AT BACK OF SIDEWALK, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
- ALL REGULATORY SIGNS SHALL USE ASTM TYPE 3 OR 4 INTENSITY SHEETING.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO.
				C-5.4.2
				DATE
				7/2009

APPROVED BY: [Signature] 7/09



NOTES:

- ALL STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, CURRENT EDITION.
- INLAY TAPE STRIPING AND/OR PAVEMENT LEGENDS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- CROSSWALK MARKINGS SHALL BE INSTALLED AT ALL TRAFFIC SIGNAL LOCATIONS AND AT OTHER LOCATIONS AS DIRECTED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO.
				C-5.4.3
				DATE
				7/2009

APPROVED BY: [Signature] 7/09

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