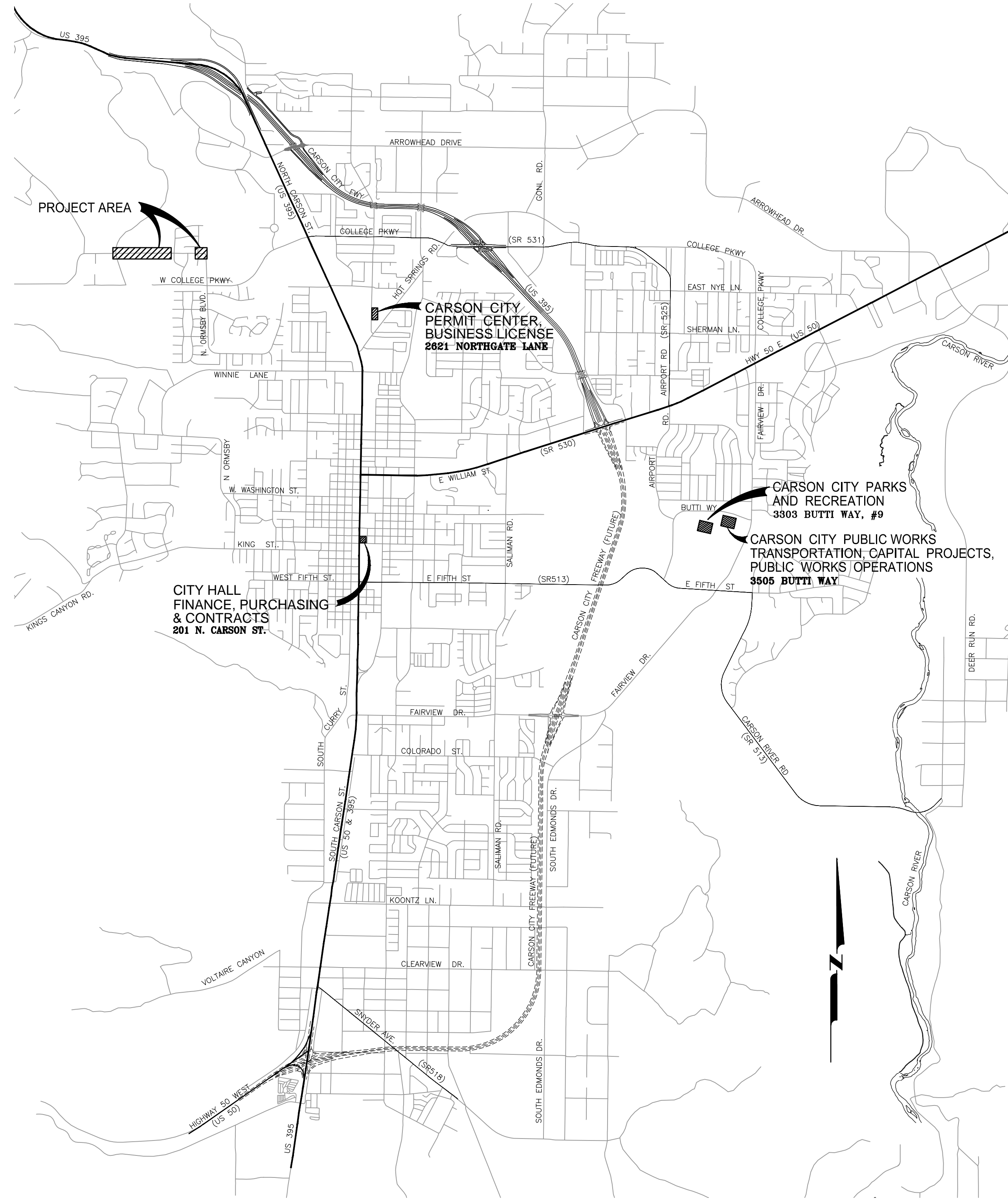


COMBS CANYON ROAD 2015 CURB IMPROVEMENTS

CARSON CITY, NEVADA

PROJECT 6.0701



VICINITY MAP

N.T.S.

BOARD OF SUPERVISORS

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

DESIGNED FOR:

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

SHEET INDEX

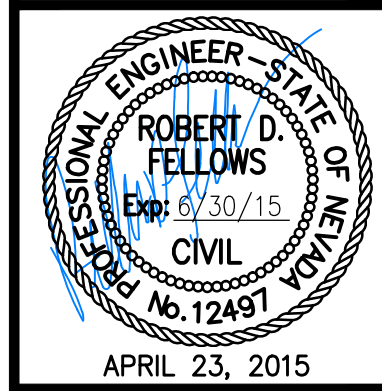
- C1 TITLE SHEET
- C2 INDEX MAP, STORM WATER PROTECTION PLAN NOTES, LEGEND & ABBREVIATIONS
- C3 PLAN & PROFILE - COMBS CANYON RD (STA 18+00 TO STA 23+00)
- C4 PLAN & PROFILE - COMBS CANYON RD (STA 23+00 TO STA 28+00)
- C5 PLAN & PROFILE - COMBS CANYON RD (STA 28+00 TO STA 32+00)
- C6 PLAN & PROFILE - COMBS CANYON RD (STA 32+00 TO STA 36+00)
- C7 PLAN & PROFILE - COMBS CANYON RD (STA 45+00 TO STA 48+00)
- C8 CONSTRUCTION DETAILS
- C9 CONSTRUCTION DETAILS
- C10 CONSTRUCTION DETAILS



APPLICATION NO. _____

DESIGNED BY: BD/BE
DRAWN BY: BD
CHECKED BY: RF
DWG NO.: 6-0701TS1
SCALE (HORIZ): N/A
SCALE (VERT): N/A
PLOT DATE: 2015MAR30

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

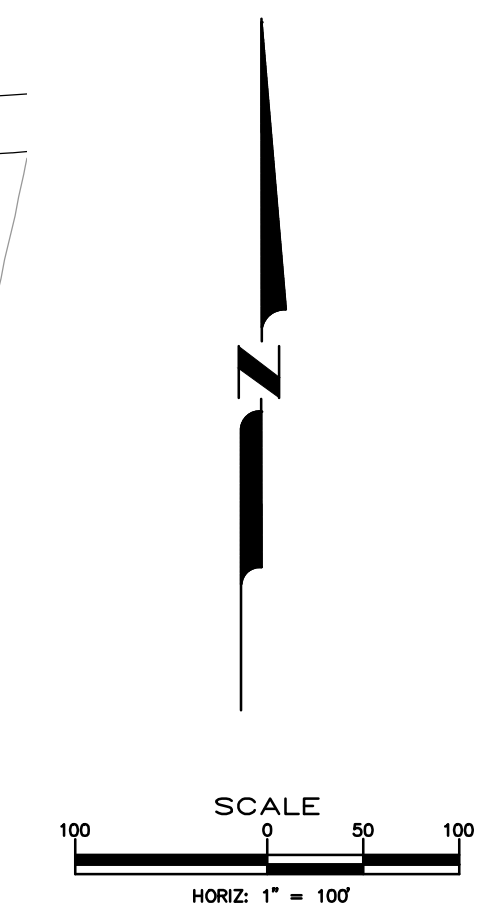
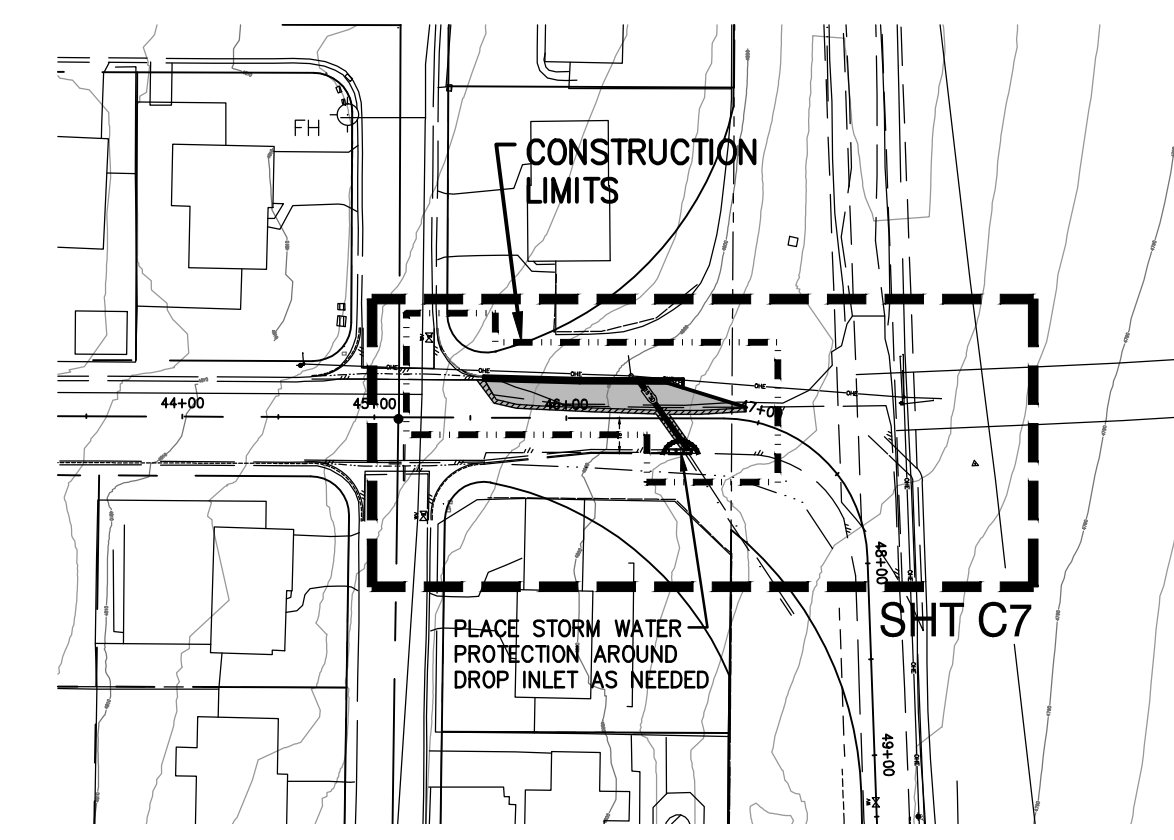
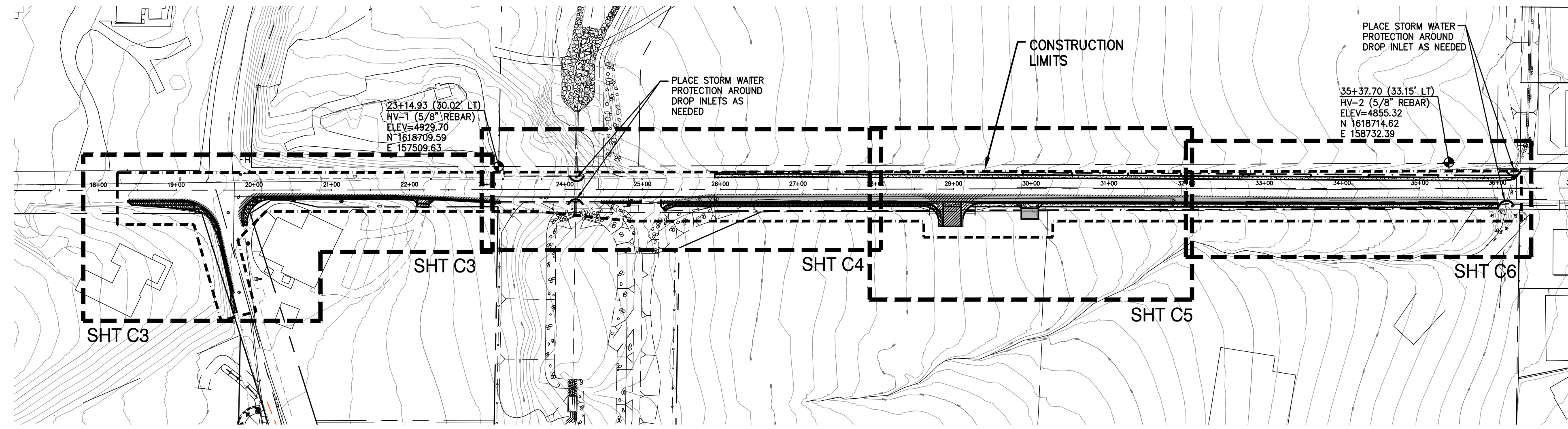


REV.	DATE	DESCRIPTION	BY	APP'D

COMBS CANYON ROAD
2015 CURB IMPROVEMENTS
PROJECT No. 6-0701
TITLE SHEET

SHEET
C1
OF
10

BID SET



SHEET INDEX
SCALE: 1" = 100' HORIZ.

STORM WATER NOTES:

1. 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).
2. ALL DISTURBED SOILS SHALL BE RESEEDED UPON COMPLETION OF CONSTRUCTION UNLESS OTHERWISE SPECIFIED.

ABBREVIATIONS

AB	AGGREGATE BASE	POC	POINT OF CURVATURE
AC	ASPHALTIC CONCRETE	PCC	PORTLAND CEMENT CONCRETE
ACP	ASBESTOS CEMENT PIPE	PE	POLYETHYLENE
AGG	AGGREGATE	PI	POINT OF INTERSECTION
APN	ASSESSORS PARCEL NUMBER	PL	PROPERTY LINE
ARV	AIR RELEASE VALVE	P.O.	PUSH ON
ASSY	ASSEMBLY	PSI	POUNDS PER SQUARE INCH
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	PT	POINT OF TANGENCY
AWWA	AMERICAN WATER WORKS ASSOCIATION	PVC	POLYVINYL CHLORIDE
BVC	BEGIN VERTICAL CURVE	PVI	POINT OF VERTICAL INTERSECTION
CATV	CABLE TV	PVMT	PAVEMENT
CB	CATCH BASIN	Q	FLOW (CFS)
CL	CENTER LINE, CLASS	R	RADIUS
COMP	COMPACT/COMPACTED	RCH	REACH
CONC	CONCRETE	RCP	REINFORCED CONCRETE PIPE
CONN	CONNECTION	REQ'D	REQUIRED
C&G	CURB & GUTTER	ROW	RIGHT OF WAY
DI	DROP INLET/DUCTILE IRON	RPM	REVOLUTIONS PER MINUTE
DTL	DETAIL	RT	RIGHT
DIA. Ø	DIAMETER	S	SLOPE, SOUTH
DWG	DRAWING	SCH	SCHEDULE
EXIST	EXISTING	SD	STORM DRAIN
E	EAST	SDMH	STORM DRAIN MANHOLE
EA	EACH	SDR	STANDARD DIMENSION RATIO
ELECT	ELECTRIC/ELECTRICAL	SF	SQUARE FEET
EL, ELEV	ELEVATION	SHT	SHEET
EP	EDGE OF PAVEMENT	SPKR	SPRINKLER
EVC	END VERTICAL CURVE	SS	SANITARY SEWER
F	FEET	SSMH	SANITARY SEWER MANHOLE
FG	FINISH GRADE	SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
FL	FLOWLINE	STA	STATION
G	GAS	STD	STANDARD
GS	GAS SERVICE	STL	STEEL
GRD	GRADE	SVC	SERVICE
GV	GAS VALVE/GATE VALVE	T, TELE	TELEPHONE
HORIZ	HORIZONTAL	T.B.C.	TOP BACK OF CURB
HP	HIGH POINT/HORSEPOWER	TOC	TOP OF CURB/TOP OF CONCRETE
HV	HORIZONTAL/VERTICAL	TOP	TOP OF PIPE
HYD	HYDRANT	T.O.V.	TOP OF VAULT
I.D.	INSIDE DIAMETER	TRANS	TRANSFORMER
IE, INV	INVERT ELEVATION	TYP	TYPICAL
INTX	INTERSECTION	U/G	UNDERGROUND
IRR, IRRG	IRRIGATION LINE	UGE	UNDERGROUND ELECTRIC
L	LENGTH	UL	UNDERWRITERS LABORATORIES
LAT	LATERAL	UN	UNDERWRITERS LABORATORIES
LF	LINEAL FEET	UN	UNLESS NOTED
LT	LEFT	VC	VERTICAL CURVE
MAK	MAXIMUM	VC	VALLEY GUTTER
MDD	MAXIMUM DRY DENSITY	VERT	VERTICAL
MJ	MANHOLE	W	WEST, WATER
MH	MECHANICAL JOINT	W/	WITH
MIN	MINIMUM	W/O	WITHOUT
MMD	MAXIMUM MARSHAL DENSITY	WS	WATER SERVICE
N	NORTH	WV	WATER VALVE
(N)	NEW		
N.I.C.	NOT IN CONTRACT		
NTS	NOT TO SCALE		
OC	ON CENTER		
O.D.	OUTSIDE DIAMETER		
OGL	ORIGINAL GROUND LINE		

LEGEND

EXISTING	PROPOSED
	APPROX. PROPERTY LINE
	CENTER LINE
	EASEMENT
	FENCE
	EDGE OF PAVEMENT
	CONSTRUCTION NOTE
	WATER MAIN
	WATER VALVE
	FIRE HYDRANT
	SEWER PIPE
	STORM DRAIN PIPE
	STORM DRAIN MANHOLE
	SURVEY POINT
	SURVEY CONTROL POINT
	FLOW LINE/DRAINAGE SWALE
	CONTOUR ELEVATION
	SPOT ELEVATION
	POWER POLE
	GUY WIRE
	ASPHALT PATCH
	SAWCUT & REMOVE EXIST AC PAVEMENT

BASIS OF BEARING, COORDINATES AND ELEVATION:

THE BASIS OF BEARING, COORDINATES AND ELEVATION FOR THIS PROJECT IS: THE LINE BETWEEN "HV-1" (N 1618709.59 E 157509.63 ELEV=4929.70) - LOCATED AT THE INTERSECTION OF QUAIL RUN RD. AND SALIMAN RD. AND "HV-2" (N 1618714.62 E 158732.39 ELEV=4655.32) - LOCATED AT THE INTERSECTION OF LITTLE LN. AND SALIMAN RD., WITH THE LINE BETWEEN THE TWO POINTS HAVING A BEARING OF N 89°45'51" E AND DISTANCE OF 1222.77'. COORDINATES ARE NEVADA STATE PLANE, WEST ZONE NAD83. ELEVATIONS ARE BASED ON NAVD88 DATUM.

HORIZONTAL & VERTICAL CONTROL POINT DATA					
POINT	NORTHING	EASTING	ELEVATION	STATION & OFFSET FROM CONTROL LINE	DESCRIPTION / LOCATION
HV-1	1618709.59	157509.63	4929.70	23+14.93 (30.02' LT)	5/8" REBAR IN EAST SIDE OF DRIVEWAY
HV-2	1618714.62	158732.39	4655.32	35+37.70 (33.15' LT)	5/8" REBAR W/ STANTEC CAP

NOTE:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO REPLACE ALL EXISTING PERMANENT SURVEY CONTROL MONUMENTS WHICH ARE DAMAGED OR DISTURBED DUE TO HIS CONSTRUCTION EFFORTS. SURVEY CONTROL MONUMENTS SHALL BE (CLASS A MONUMENTS) INSTALLED PER SSPWC STANDARD DRAWING 1-27. THE RE-ESTABLISHMENT OF SURVEY MONUMENTS SHALL BE COMPLETED BY A NEVADA LICENSED PROFESSIONAL LAND SURVEYOR.

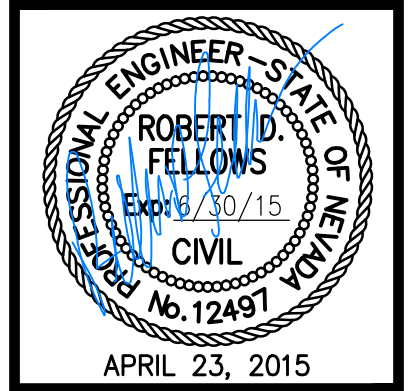
CONSTRUCTION NOTES:

- 1 SAWCUT AND REMOVE EXISTING AC PAVEMENT.
- 2 CONSTRUCT 4" AC PAVEMENT ON 6" AGG BASE COMPACTED TO 95% PER DETAIL C-5.1.6.
- 3 CONSTRUCT 3" AC PAVEMENT ON 6" AGG BASE COMPACTED TO 95% PER DETAIL C-5.1.6.
- 4 SAWCUT AND REMOVE EXISTING CURB.
- 5 CONSTRUCT TYPE 1 PCC CURB AND GUTTER PER DETAIL C-5.1.3.
- 6 CONSTRUCT CURB TAPER FROM 6" CURB FACE TO 0" CURB FACE PER DETAIL 1 SHEET C10.
- 7 CONSTRUCT TYPE 2 DRIVEWAY APRON PER DETAIL C-5.2.4.
- 8 CONSTRUCT VALLEY GUTTER/SPANDREL PER DETAIL C-5.1.2.
- 9 INSTALL TYPE 4-R CATCH BASIN PER DETAIL C-4.1.5.
- 10 INSTALL 15" CMP STORM DRAIN PER DETAIL C-1.2.1.
- 11 CONNECT TO EXISTING DROP INLET. KNOCK OUT HOLE IN EXISTING BOX. TRIM PIPE TO BE FLUSH WITH INTERIOR OF BOX. SEAL ALL VOIDS WITH NON SHRINK GROUT.
- 12 ADJUST EXISTING WATER VALVE RIM TO FINISH GRADE PER DETAILS C-3.1.4 AND C-3.1.6.
- 13 PLACE 4"-6" RIP RAP PER DETAIL 1 SHEET C10.
- 14 PLACE 4" MINUS ROCK PER DETAIL 3 SHEET C10.
- 15 REMOVE SALVAGE AND RELOCATE EXISTING STREET SIGN PER DETAIL C-5.4.2.
- 16 INSTALL STREET SIGN PER DETAIL C-5.4.2.



DESIGNED BY: BD/BE
DRAWN BY: BD
CHECKED BY: RF
DWG NO.: 6-0701BS1
SCALE (HORIZ): 1" = 100'
SCALE (VERT): N/A
PLOT DATE: 2015MAR30

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

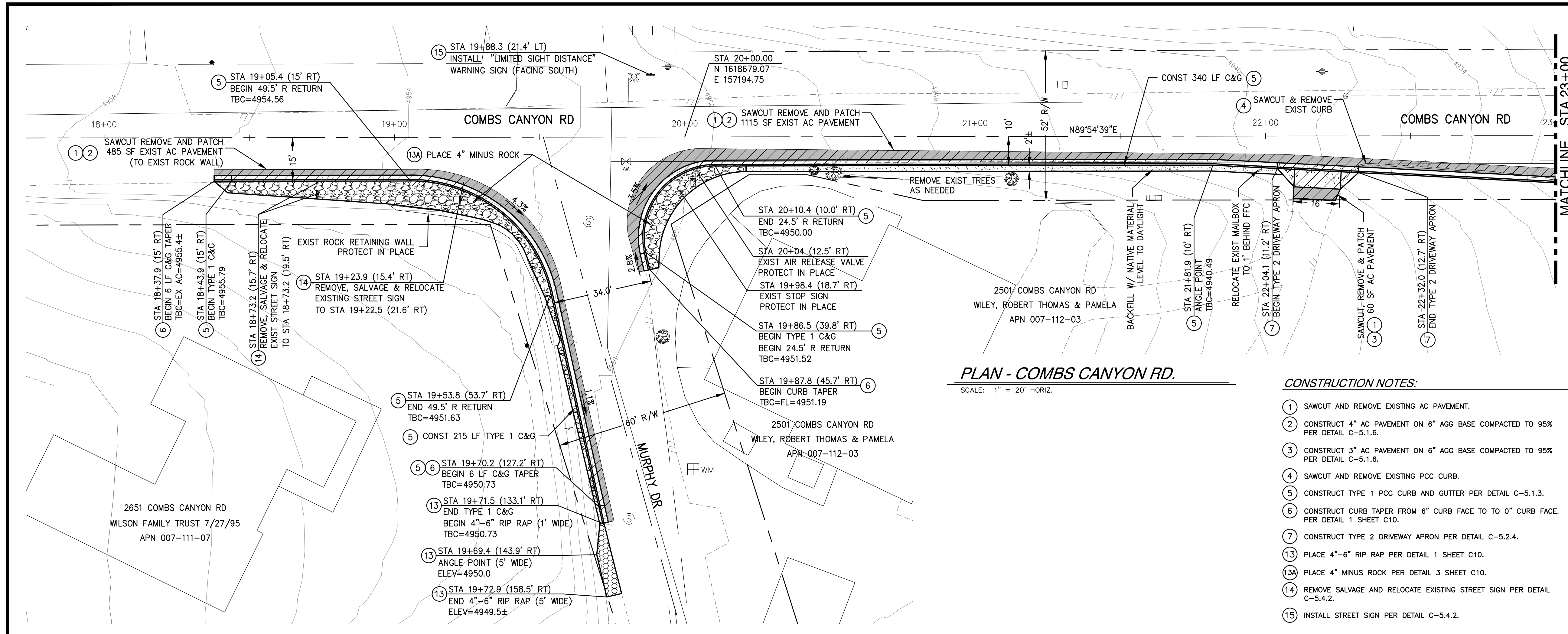


REV.	DATE	DESCRIPTION	BY	APP'D

COMBS CANYON ROAD
2015 CURB IMPROVEMENTS
PROJECT No. 6-0701
INDEX MAP
STORM WATER PROTECTION PLAN, NOTES,
LEGEND & ABBREVIATIONS

SHEET
C2
OF
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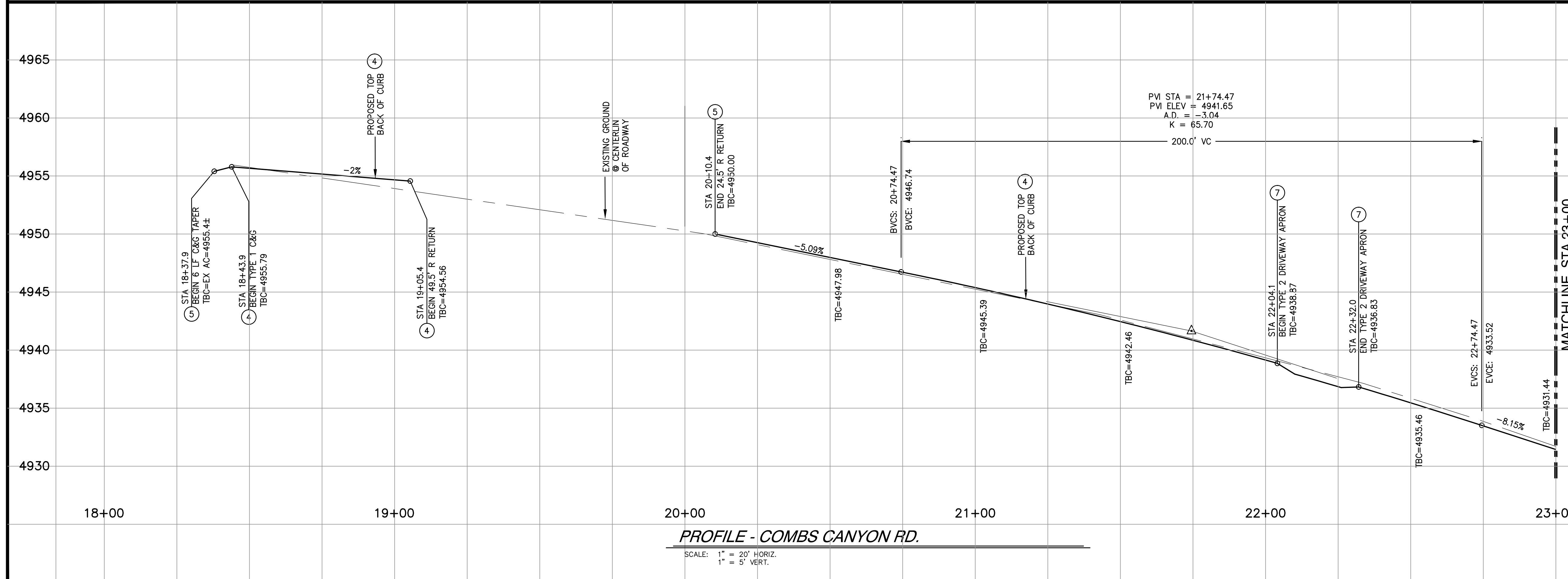
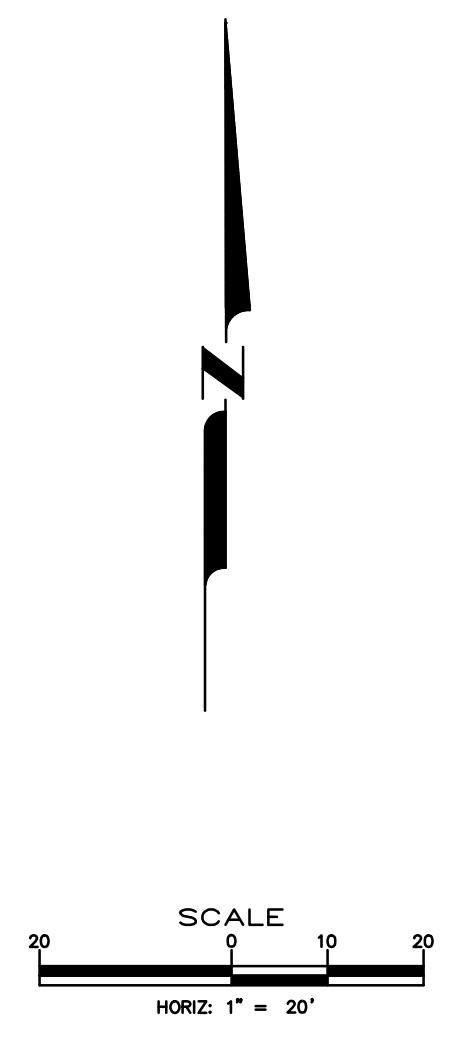
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PLAN - COMBS CANYON RD.
SCALE: 1" = 20' HORIZ.

CONSTRUCTION NOTES:

- 1 SAWCUT AND REMOVE EXISTING AC PAVEMENT.
- 2 CONSTRUCT 4" AC PAVEMENT ON 6" AGG BASE COMPACTED TO 95% PER DETAIL C-5.1.6.
- 3 CONSTRUCT 3" AC PAVEMENT ON 6" AGG BASE COMPACTED TO 95% PER DETAIL C-5.1.6.
- 4 SAWCUT AND REMOVE EXISTING PCC CURB.
- 5 CONSTRUCT TYPE 1 PCC CURB AND GUTTER PER DETAIL C-5.1.3.
- 6 CONSTRUCT CURB TAPER FROM 6" CURB FACE TO 0" CURB FACE. PER DETAIL 1 SHEET C10.
- 7 CONSTRUCT TYPE 2 DRIVEWAY APRON PER DETAIL C-5.2.4.
- 13 PLACE 4"-6" RIP RAP PER DETAIL 1 SHEET C10.
- 13A PLACE 4" MINUS ROCK PER DETAIL 3 SHEET C10.
- 14 REMOVE SALVAGE AND RELOCATE EXISTING STREET SIGN PER DETAIL C-5.4.2.
- 15 INSTALL STREET SIGN PER DETAIL C-5.4.2.

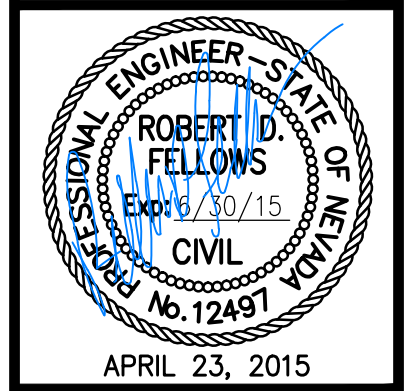


PROFILE - COMBS CANYON RD.
SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



DESIGNED BY: BD/BE
DRAWN BY: BD
CHECKED BY: RF
DWG NO.: 6-0701BS1
SCALE (HORIZ): 1"=20'
SCALE (VERT): 1"=5'
PLOT DATE: 2015MAR30

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



REV.	DATE	DESCRIPTION

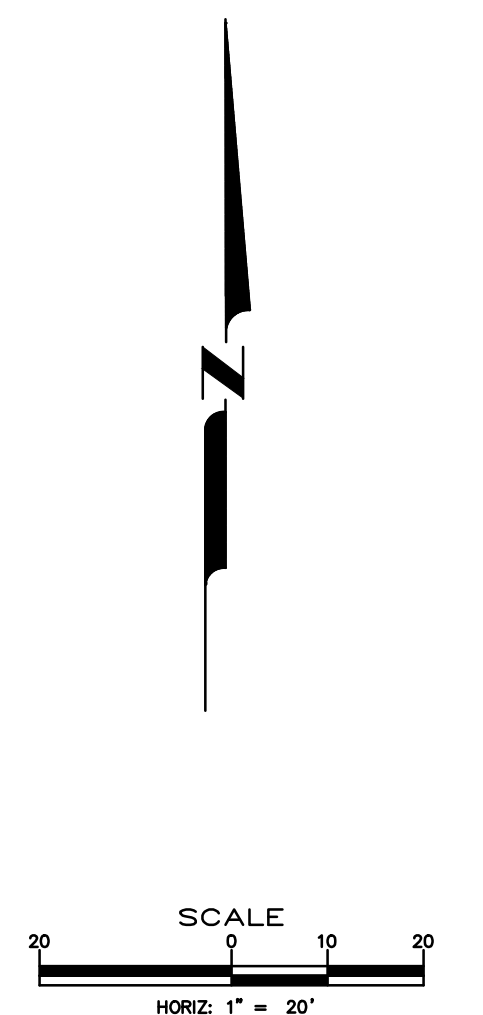
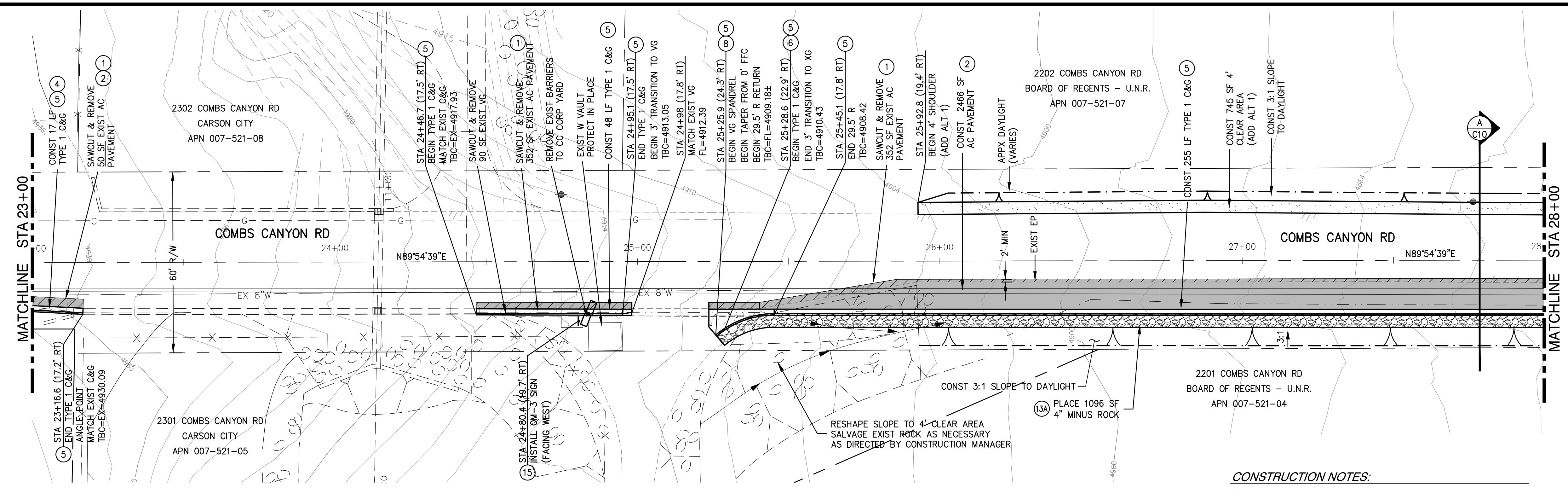
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2015 CURB IMPROVEMENTS
PROJECT No. 6-0701
COMBS CANYON RD
PLAN & PROFILE
STA 18+00 TO STA 23+00**

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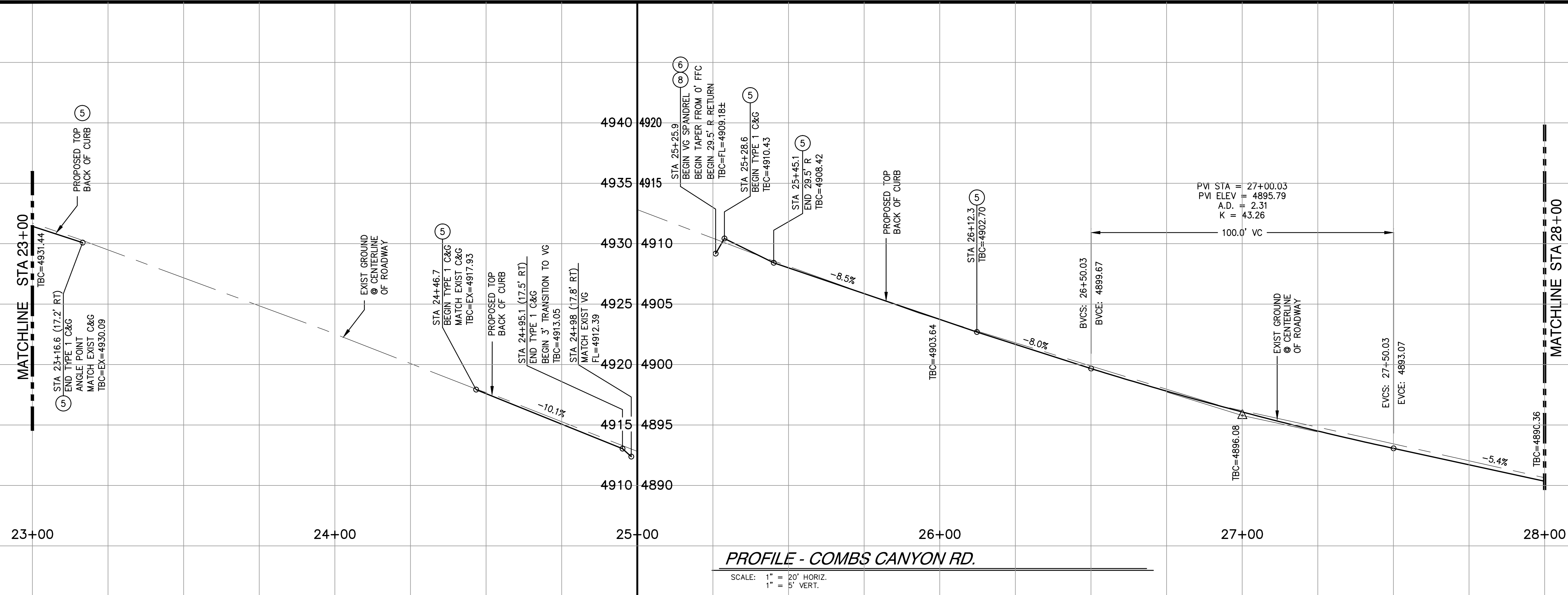
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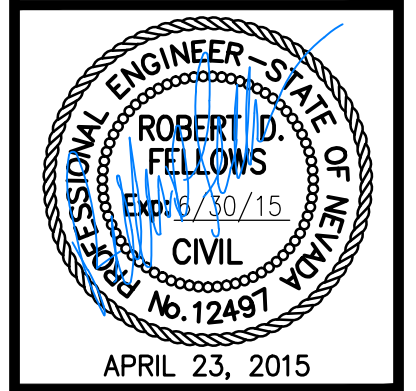
- CONSTRUCTION NOTES:**
- 1 SAWCUT AND REMOVE EXISTING AC PAVEMENT
 - 2 CONSTRUCT 4" AC PAVEMENT ON 6" AGG BASE COMPACTED TO 95% PER DETAIL C-5.1.6
 - 4 SAWCUT AND REMOVE EXISTING PCC CURB.
 - 5 CONSTRUCT TYPE 1 PCC CURB AND GUTTER PER DETAIL C-5.1.3.
 - 6 CONSTRUCT CURB TAPER FROM 6" CURB FACE TO TO 0" CURB FACE. PER DETAIL 1 SHEET C10
 - 8 CONSTRUCT VALLEY GUTTER/SPANDREL PER DETAIL C-5.1.2.
 - 13A PLACE 4" MINUS ROCK PER DETAIL 3 SHEET C10.
 - 15 INSTALL STREET SIGN PER DETAIL C-5.4.2.



DESIGNED BY: BD/BE
 DRAWN BY: BD
 CHECKED BY: RF
 DWG NO.: 6-0701B51
 SCALE (HORIZ): 1"=20'
 SCALE (VERT): 1"=5'
 PLOT DATE: 2015MAR30

**CARSON CITY
PUBLIC WORKS DEPARTMENT**

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



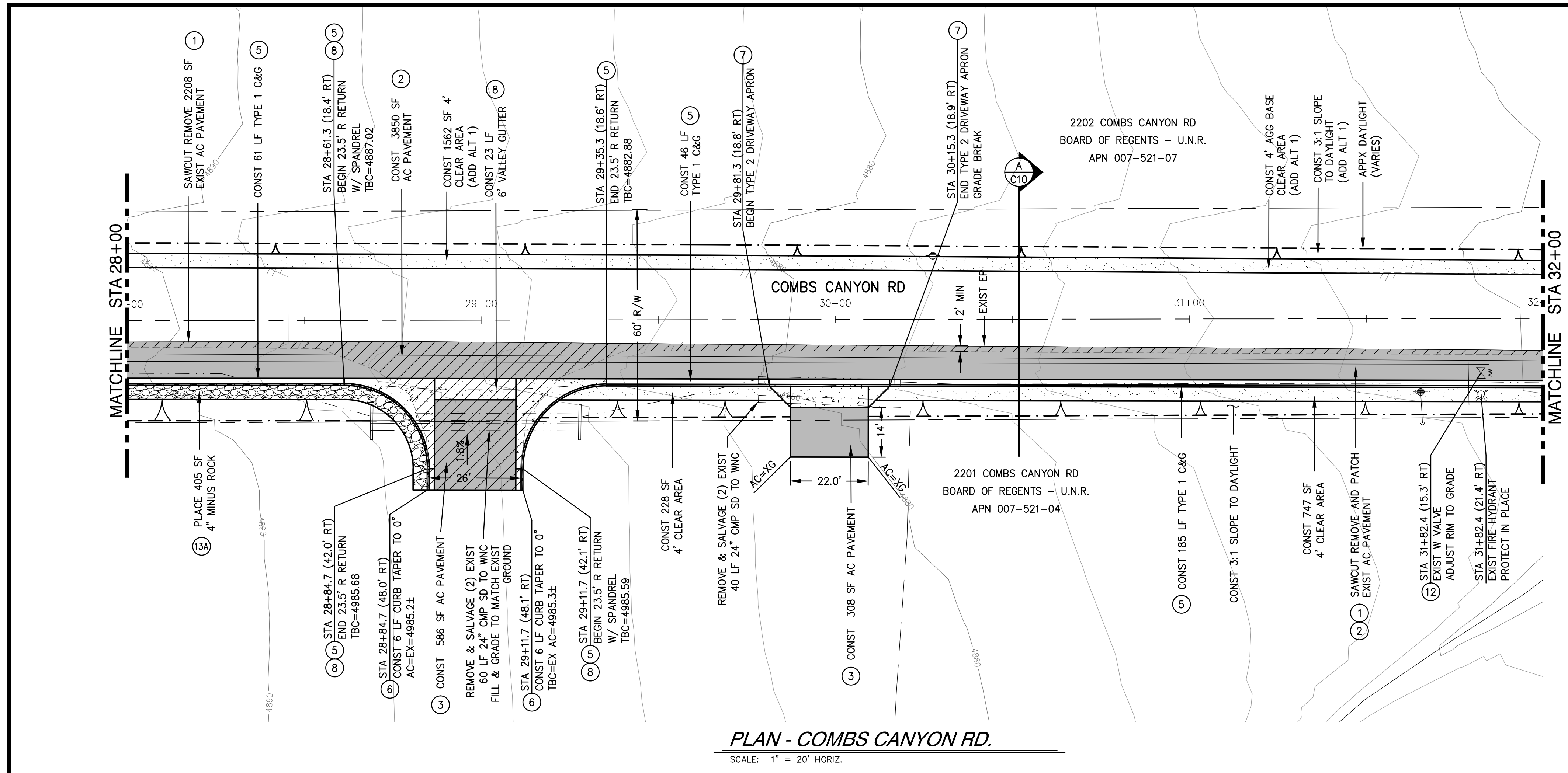
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**COMBS CANYON ROAD
2015 CURB IMPROVEMENTS
PROJECT No. 6-0701
COMBS CANYON RD
PLAN & PROFILE
STA 23+00 to STA 28+00**

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C4
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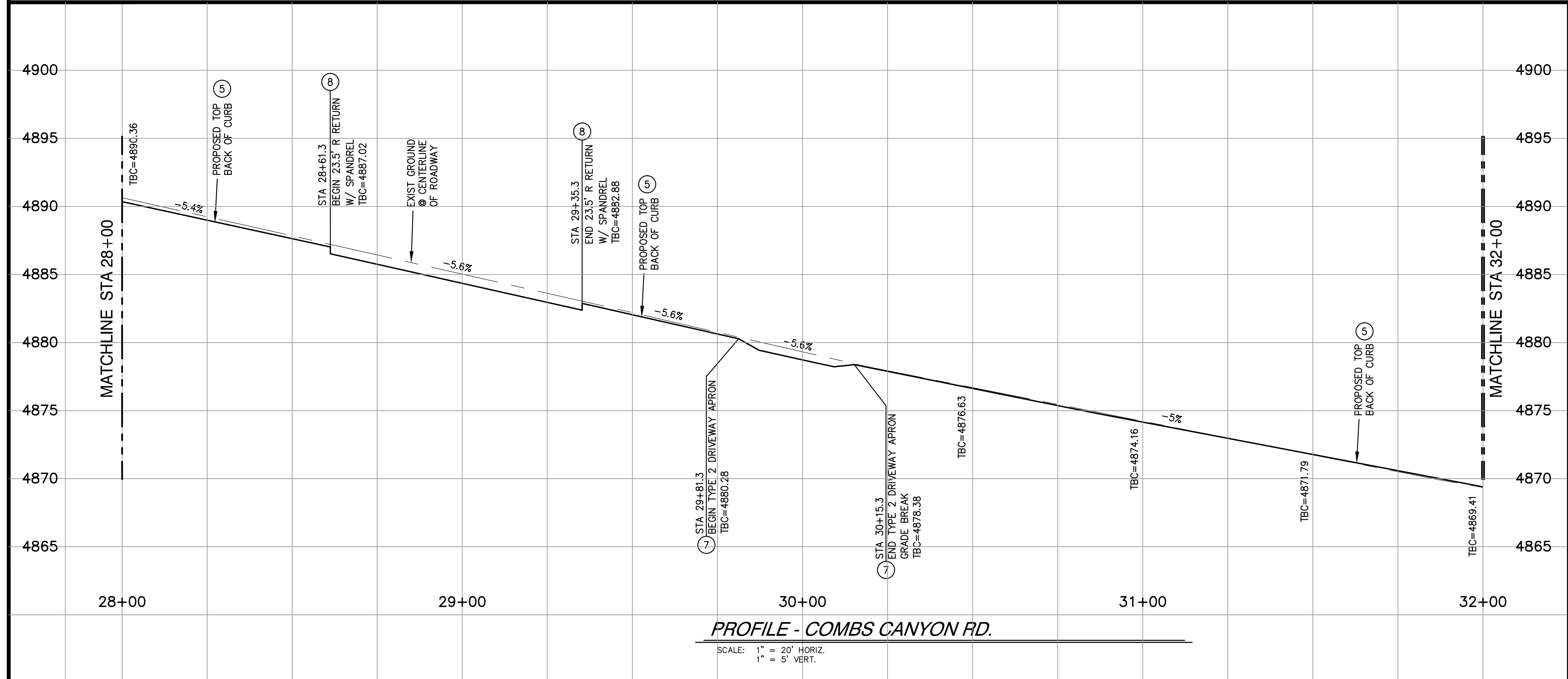
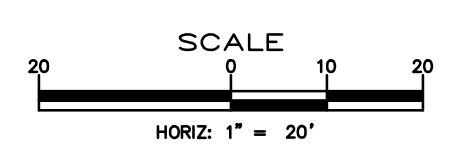
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PLAN - COMBS CANYON RD.
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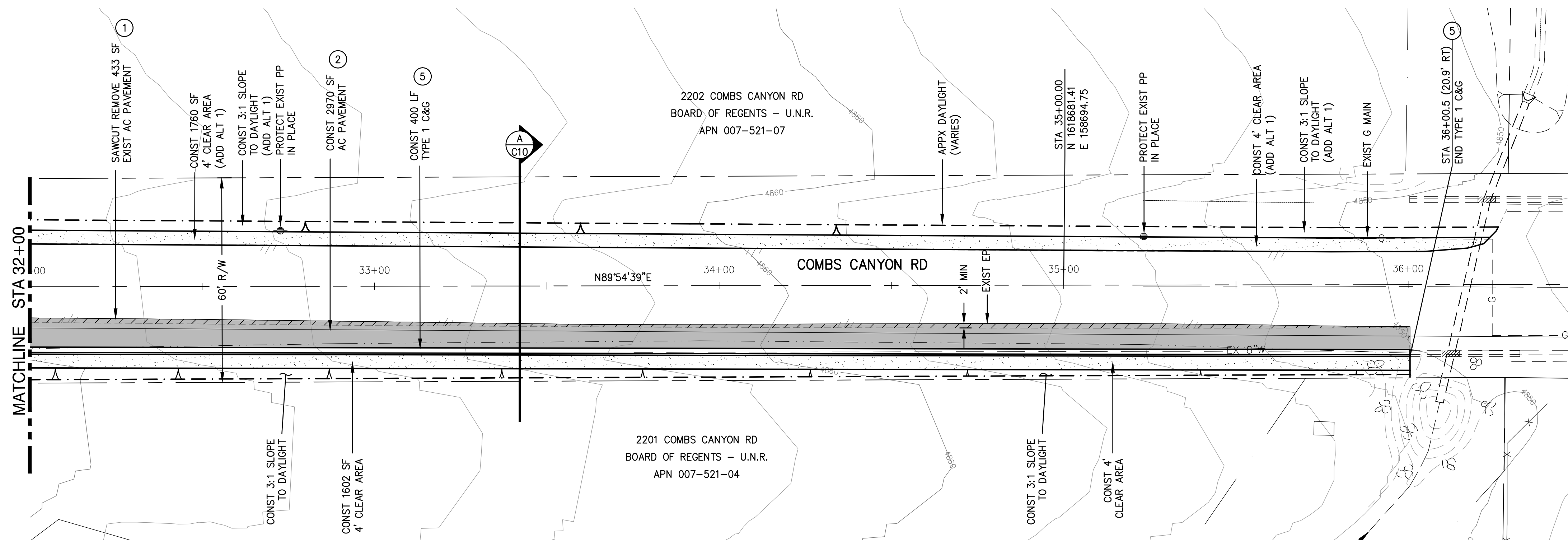
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 - 12 ADJUST EXISTING WATER VALVE RIM TO FINISH GRADE PER DETAILS C-3.1.4 AND C-3.1.6.



PROFILE - COMBS CANYON RD.
SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

DESIGNED BY: BD/BE DRAWN BY: BD CHECKED BY: RF DWG NO.: 6-0701B51 SCALE (HORIZ): 1"=20' SCALE (VERT): 1"=5' PLOT DATE: 2015MAR30	CARSON CITY PUBLIC WORKS DEPARTMENT		3505 BUTTI WAY CARSON CITY, NEVADA 89701 PH: 887-2355 FAX: 887-2112
APRIL 23, 2015			
REV.	DATE	DESCRIPTION	BY
COMBS CANYON ROAD 2015 CURB IMPROVEMENTS PROJECT No. 6-0701 COMBS CANYON RD PLAN & PROFILE STA 28+00 to STA 32+00			
SHEET C5 OF 10			
BID SET			

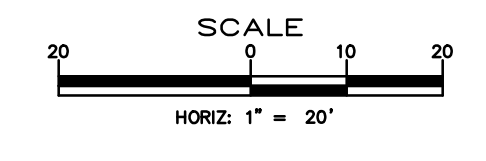
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PLAN - COMBS CANYON RD.
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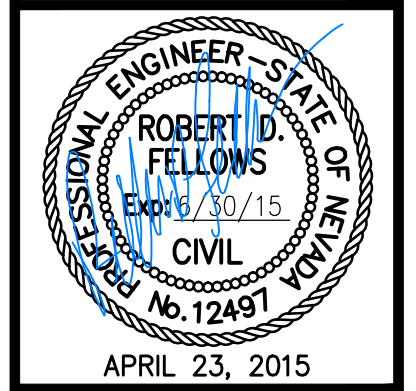
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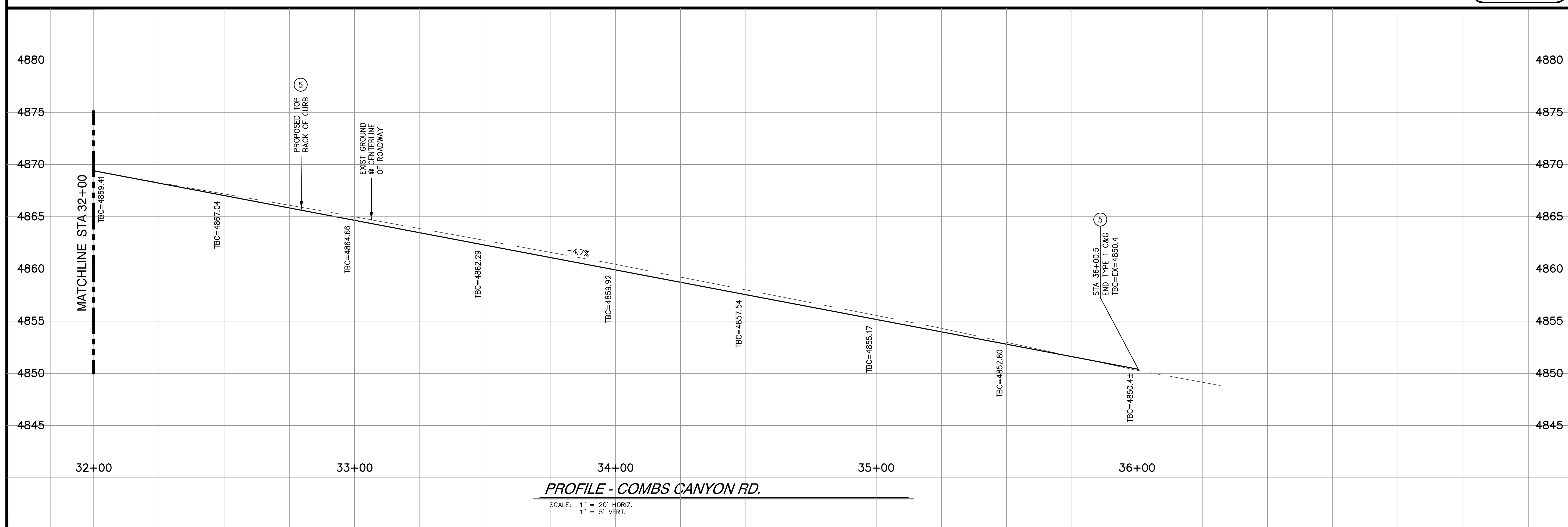


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DWG NO.: 6-0701B51
SCALE (HORIZ): 1"=20'
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**CARSON CITY
PUBLIC WORKS DEPARTMENT**
3505 BUTTE WAY CARSON CITY, NEVADA 89701
PH: 887-2355 FAX: 887-2112



REV.	DATE	DESCRIPTION	BY	APP'D

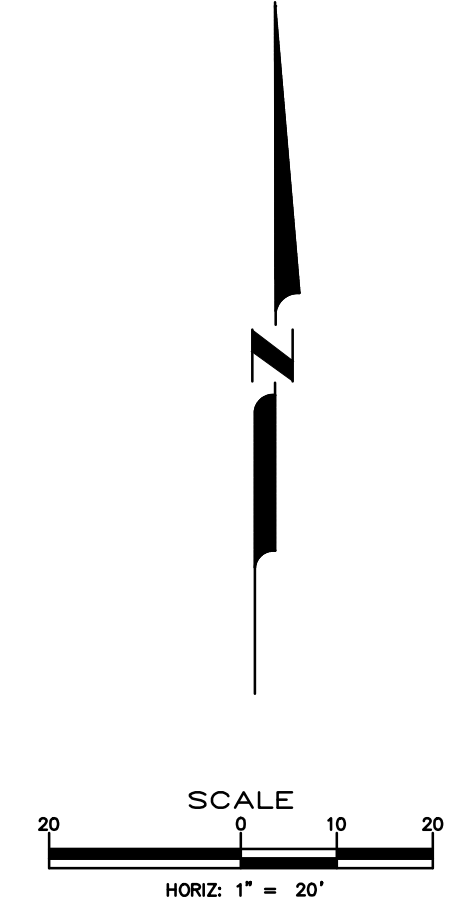
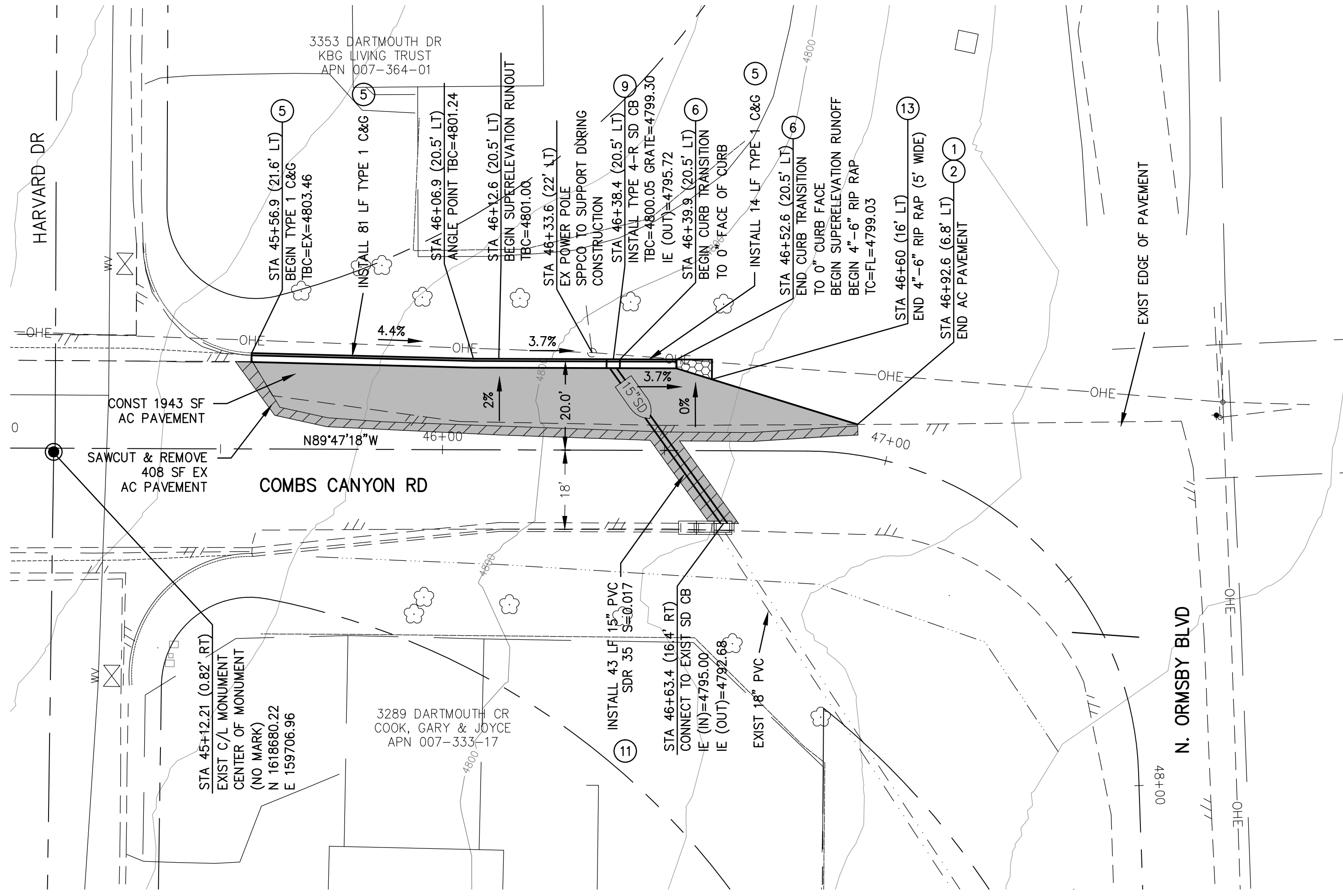


PROFILE - COMBS CANYON RD.
SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

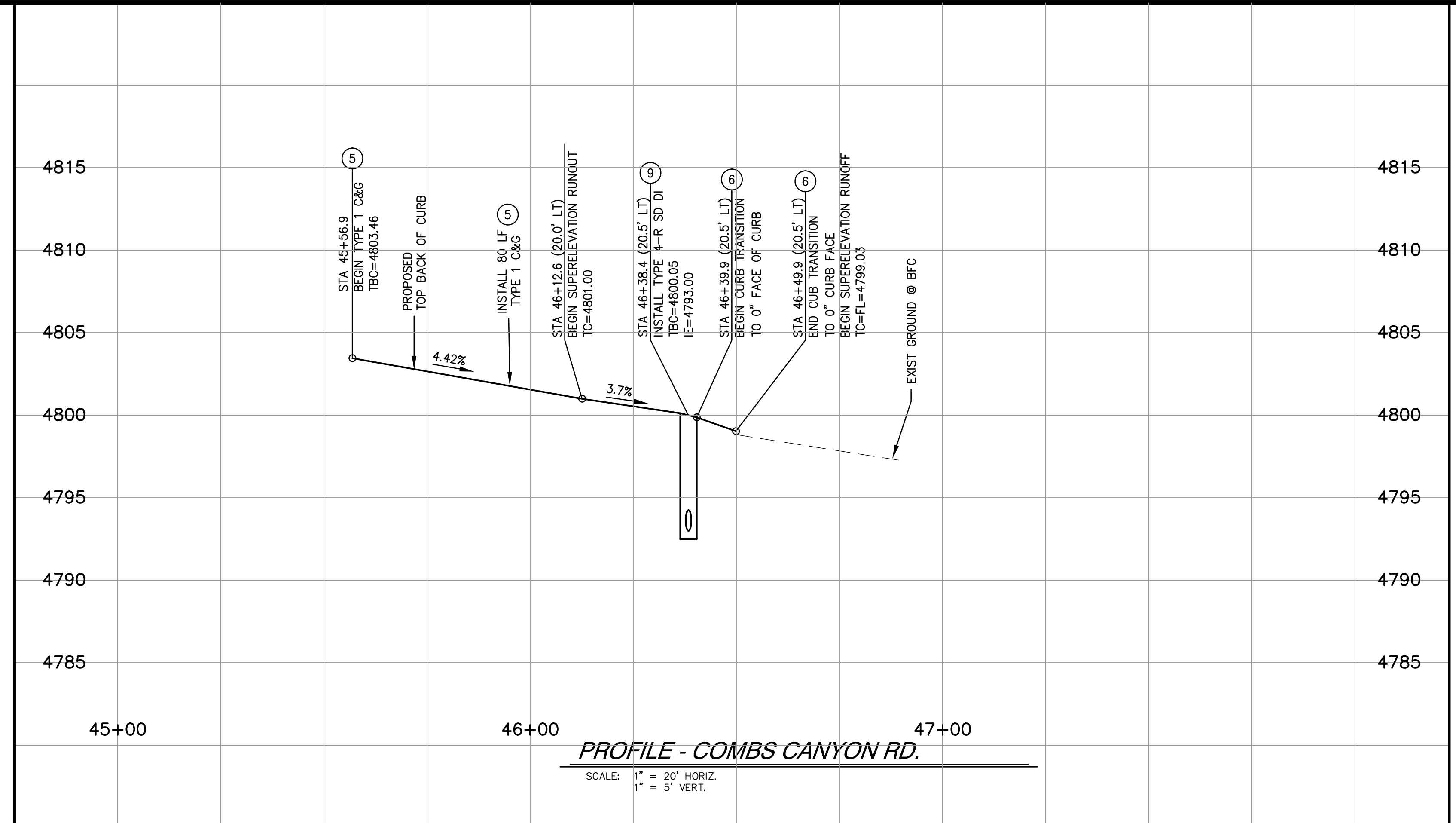
**COMBS CANYON ROAD
2015 CURB IMPROVEMENTS
PROJECT No. 6-0701
COMBS CANYON RD
PLAN & PROFILE
STA 32+00 to STA 36+00**

SHEET
C6
OF
10

BID SET

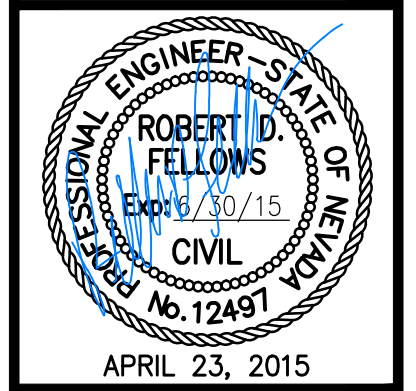


- CONSTRUCTION NOTES:**
- 1 SAWCUT AND REMOVE EXISTING AC PAVEMENT
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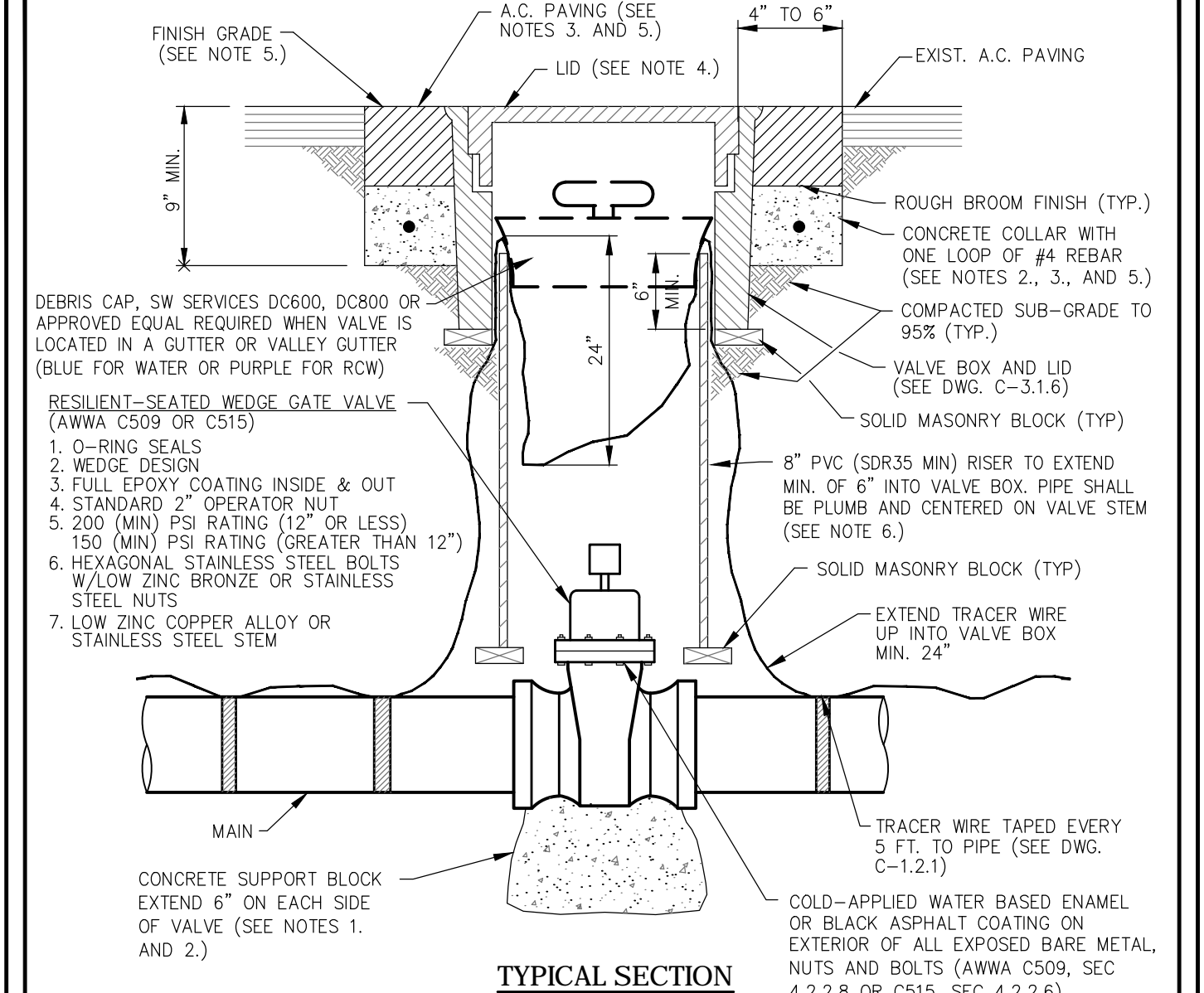
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COMBS CANYON ROAD
2015 CURB IMPROVEMENTS
PROJECT No. 6-0701
COMBS CANYON RD
PLAN & PROFILE
STA 45+00 to STA 48+00

SHEET
C7
OF
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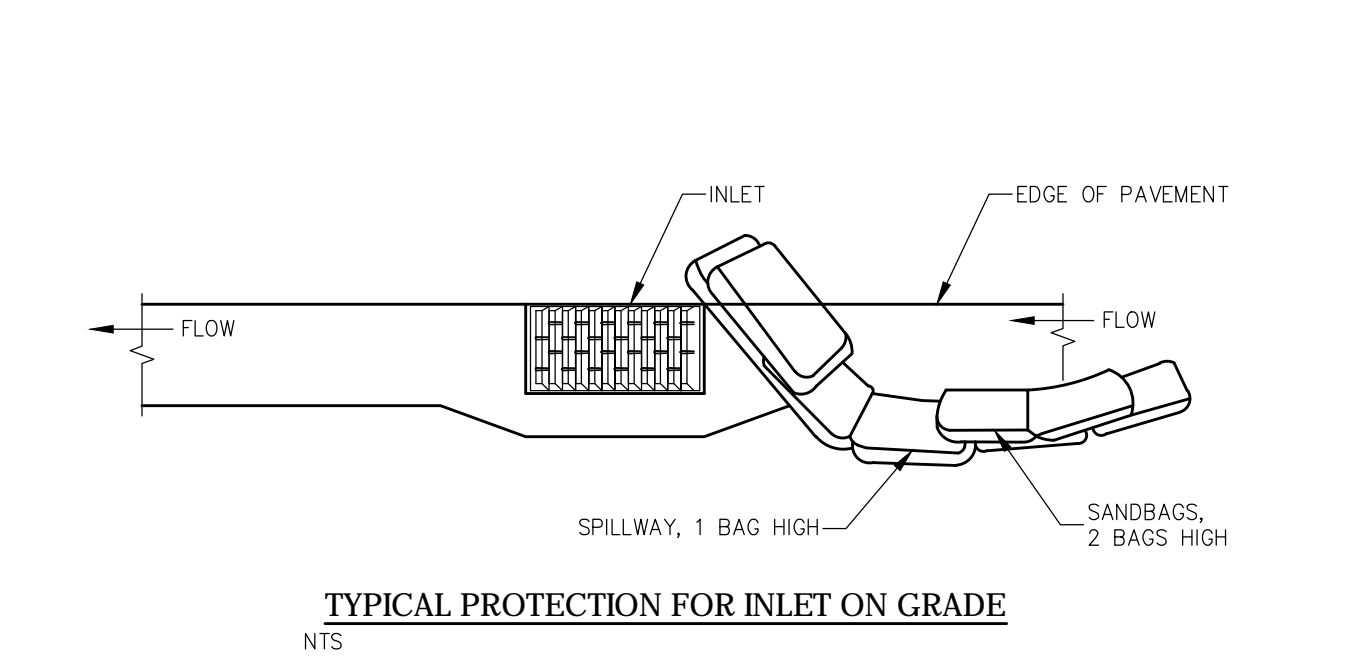
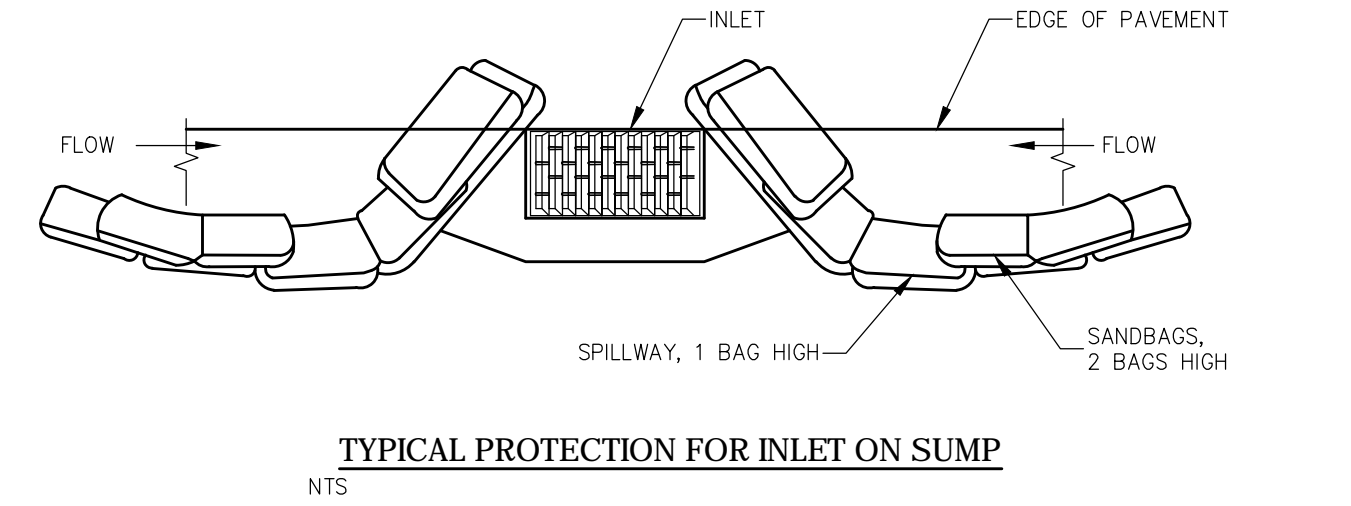
BID SET

- 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.
- 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.
- 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 MRS 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 PROJECTS. 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 12.06.160F, 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).



- TYPICAL SECTION**
NTS
- NOTES:**
- SUPPORT BLOCKING SHALL BE POURED AGAINST UNDISTURBED SOIL AND NOT PREVENT ACCESS TO BOLT ASSEMBLY OR VALVE JOINTS.
 - CONCRETE SHALL CONFORM TO THE SSPWC SECTION 337.10. REBAR SHALL ONLY BE USED WHEN THE VALVE BOX IS LOCATED OUTSIDE PAVED AREAS.
 - THE CONCRETE COLLAR SHALL BE LEFT 2 1/2 INCHES - 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 PG 64-22 PAVING (CONFORMING TO THE SSPWC SECTION 320). APPLY FOG SEAL (CONFORMING TO THE 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 IN AN UNPAVED AREA, EXTEND CONCRETE TO FINISH GRADE.
 - LIDS SHALL BE SET FLUSH WITH FINISH GRADE UNLESS OTHERWISE NOTED.
 - WHEN LOCATED IN NDOT RIGHT-OF-WAY, CONCRETE COLLAR SHALL CONFORM TO NDOT STANDARD PLAN SHT R-4.3.3 AND STANDARD SPECIFICATION 609.
 - RISER COLOR SHALL BE BLUE, OR SAME COLOR AS MAIN FOR WATER APPLICATIONS, PURPLE FOR RECLAIMED WATER APPLICATIONS, AND GREEN FOR SANITARY SEWER APPLICATIONS.
 - VALVES ON FIRE LINES SHALL BE UL/FM APPROVED AND MEET ALL APPLICABLE NFPA REQUIREMENTS.

- MANHOLE MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 204 "MANHOLES AND CATCH BASINS" OF THE SSPWC.
- MARKING TAPE SHALL BE INSTALLED 12 INCHES ABOVE ALL STORM DRAIN PIPE. 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 STORM DRAIN LINE BELOW" OR EQUIVALENT WORDING.
- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, (CURB AND GUTTER TRANSITION ONLY. ALL UNEXPOSED CONCRETE MAY BE 3000 PSI) 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 SSPWC SECTION 202.
- REINFORCING STEEL SHALL BE GRADE 40 AND HAVE 1.5 INCHES MINIMUM CLEAR COVER.
- EACH CATCH BASIN SHALL HAVE A 4 INCH ALUMINUM BLUE DISK WITH FISH IMAGE AND THE WORDS "NO DUMPING; DRAINS TO RIVER" (ALMETHK SD-4 OR APPROVED EQUAL) INSTALLED ON THE TOP OF THE CURB BOX.
- FRAMES AND GRATES SHALL BE MATCHED TO ACHIEVE A CLOSE TOLERANCE FIT, WITH MINIMAL GAPS, AS APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- STORM DRAINAGE IMPROVEMENTS SHALL INCORPORATE WATER QUALITY AND EROSION CONTROLS IN ACCORDANCE WITH THE NEVADA "HANDBOOK OF BEST MANAGEMENT PRACTICES".
- PRECAST MANHOLES SECTIONS, OTHER THAN GRADE RINGS, SHALL BE JOINED WITH FLEXIBLE PLASTIC CASSET MATERIAL SUCH AS RAM-NEK OR APPROVED EQUAL PER MANUFACTURERS RECOMMENDATIONS.
- TRACER WIRE SHALL BE ATTACHED TO ANY STORM DRAIN LATERAL WHICH IS NOT PERPENDICULAR TO THE STORM DRAIN MAIN.
- MANHOLES LOCATED OUTSIDE PAVED AREAS SHALL REQUIRE ALL WEATHER ACCESS ROADWAY CONSISTING OF 6 INCHES TYPE 2, CLASS B AGGREGATE BASE (CONFORMING TO THE SSPWC SECTION 200.01.02) AND STORM DRAIN MANHOLE MARKERS BE INSTALLED. STORM DRAIN MANHOLE MARKERS SHALL BE GREEN CARBONITE UTILITY MARKER (CUM 375), 5 FEET-2 INCHES (5'-2") WITH DECAL READING "STORM DRAIN MANHOLE". PLACE MARKERS ON EASEMENT LINE NEAREST TO MANHOLE OR AS DIRECTED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- MANHOLE CONCRETE COLLARS 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.
- GRATES SHALL BE PLACED OUTSIDE OF THE PEDESTRIAN TRAVELED WAY. GRATE OPENINGS SHALL NOT EXCEED 0.5 INCHES IN WIDTH OR 4 INCHES IN LENGTH. GRATES SHALL BE TRAFFIC RATED AND ADA COMPLIANT.



- TYPICAL PROTECTION FOR INLET ON SUMP**
NTS
- TYPICAL PROTECTION FOR INLET ON GRADE**
NTS
- NOTES:**
- INTENDED FOR TEMPORARY SHORT-TERM USE.
 - USE TO MANAGE CURB WATER FLOW.
 - SEDIMENT CAPTURED BEHIND SANDBAGS SHALL BE REMOVED WEEKLY DURING CONSTRUCTION.
 - INLET PROTECTION MUST BE PROPERLY MAINTAINED WHILE IN PLACE AND REMOVED WHEN REQUIREMENTS OF NDEP PERMIT HAVE BEEN MET.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-1.1.1
				DATE 7/2009

APPROVED BY: [Signature] 7/09

GENERAL NOTES

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-3.1.4 (203,307)
				DATE 7/2009

APPROVED BY: [Signature] 07/09

GATE VALVE

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-4.1.1
				DATE 7/2009

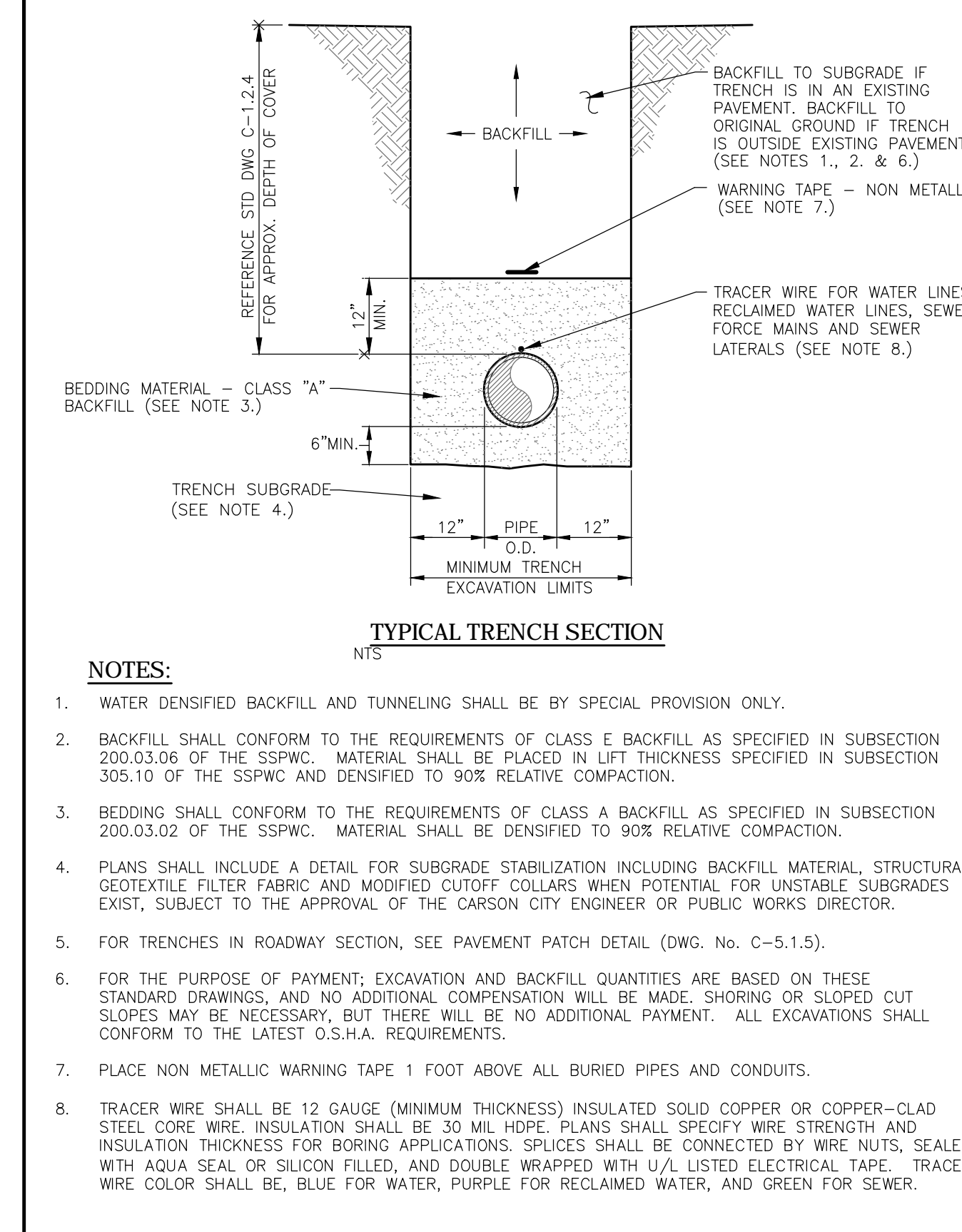
APPROVED BY: [Signature] 7/09

STORM DRAIN GENERAL NOTES

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-4.1.7
				DATE 7/2009

APPROVED BY: [Signature] 7/09

STORM DRAIN INLET PROTECTION



TYPICAL TRENCH SECTION
NTS

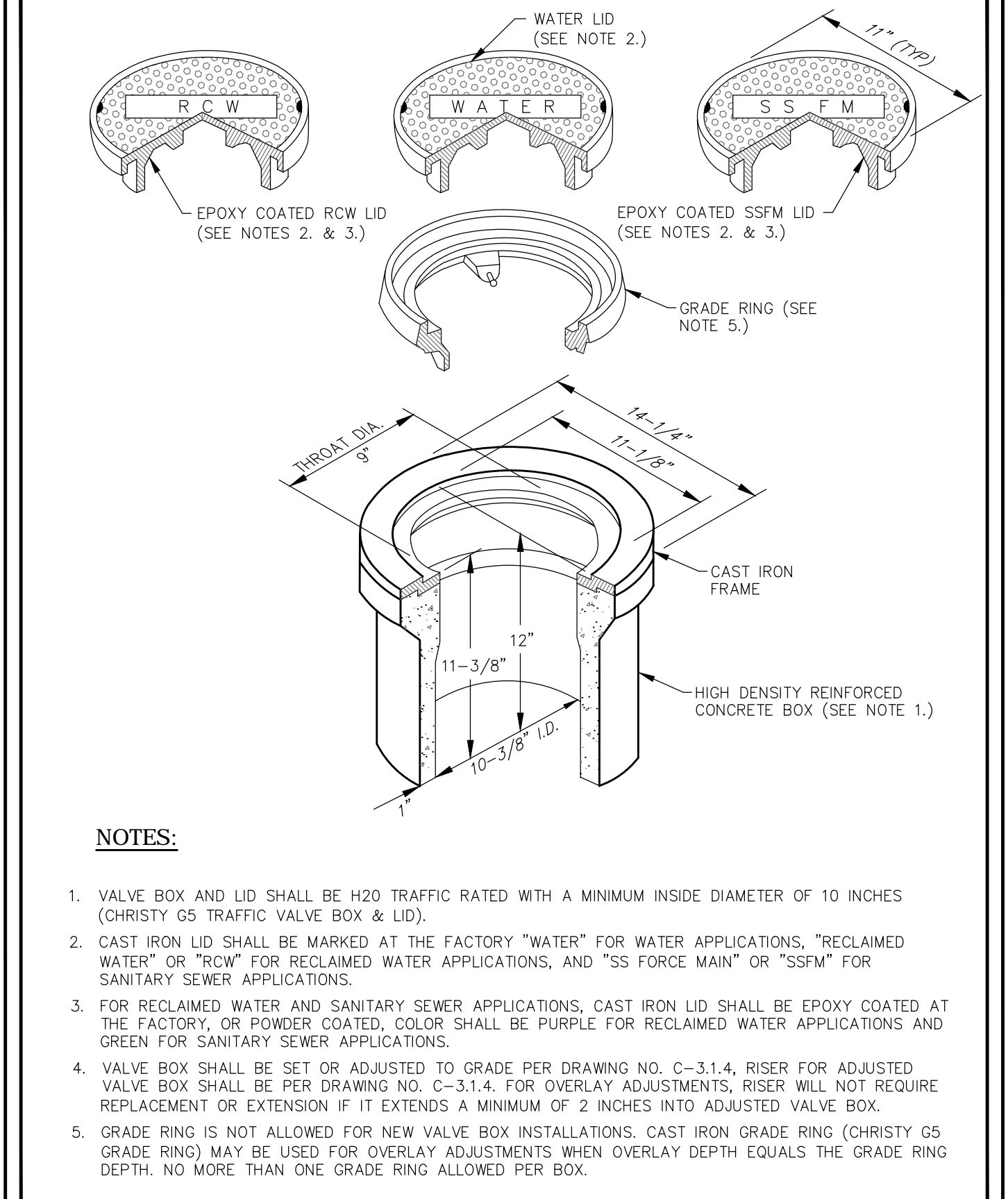
NOTES:

- WATER DENSIFIED BACKFILL AND TUNNELING SHALL BE BY SPECIAL PROVISION ONLY.
- 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.
- 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.
- 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.
- FOR TRENCHES IN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL (DWG. NO. C-5.1.5).
- 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.
- PLACE NON METALLIC WARNING TAPE 1 FOOT ABOVE ALL BURIED PIPES AND CONDUITS.
- TRACER WIRE SHALL BE 12 GAUGE (MINIMUM THICKNESS) INSULATED SOLID COPPER OR COPPER-CLAD STEEL CORE WIRE. INSULATION SHALL BE 30 MIL HOPE. 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 U/L LISTED ELECTRICAL TAPE. TRACER WIRE COLOR SHALL BE, BLUE FOR WATER, PURPLE FOR RECLAIMED WATER, AND GREEN FOR SEWER.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-1.2.1 (305)
				DATE 7/2009

APPROVED BY: [Signature] 7/09

TRENCH EXCAVATION AND BACKFILL



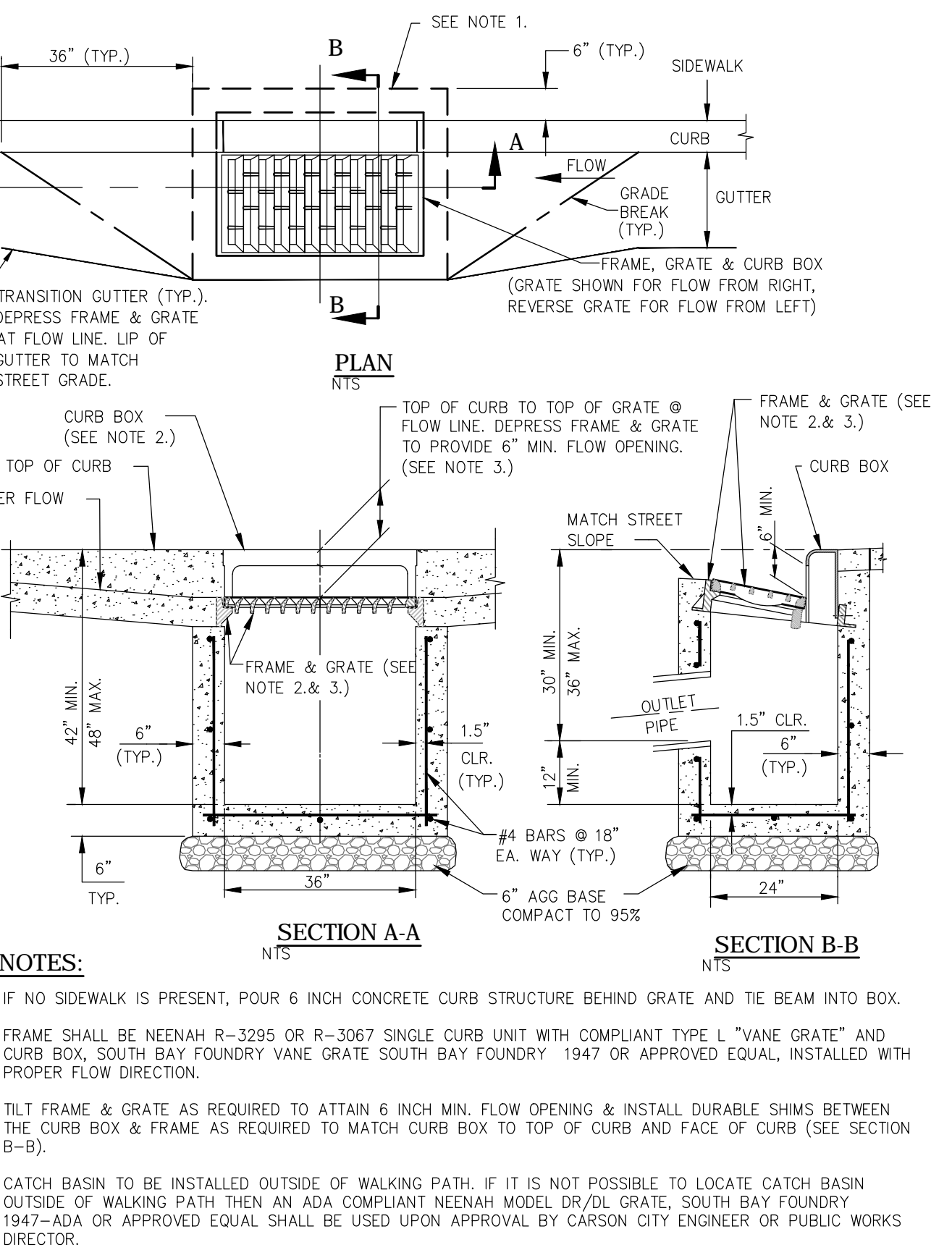
NOTES:

- VALVE BOX AND LID SHALL BE #20 TRAFFIC RATED WITH A MINIMUM INSIDE DIAMETER OF 10 INCHES (CHRISTY G5 TRAFFIC VALVE BOX & LID).
- CAST IRON LID SHALL BE MARKED AT THE FACTORY "WATER" FOR WATER APPLICATIONS, "RECLAIMED WATER" OR "RCW" FOR RECLAIMED WATER APPLICATIONS, AND "SS FOR SANITARY SEWER APPLICATIONS."
- FOR RECLAIMED WATER AND SANITARY SEWER APPLICATIONS, CAST IRON LID SHALL BE EPOXY COATED AT THE FACTORY, OR POWDER COATED, COLOR SHALL BE PURPLE FOR RECLAIMED WATER APPLICATIONS AND GREEN FOR SANITARY SEWER APPLICATIONS.
- VALVE BOX SHALL BE SET OR ADJUSTED TO GRADE PER DRAWING NO. C-3.1.4. RISER FOR ADJUSTED VALVE 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 VALVE BOX.
- GRADE RING IS NOT ALLOWED FOR NEW VALVE BOX INSTALLATIONS. CAST IRON GRADE RING (CHRISTY G5 GRADE RING) MAY BE USED FOR OVERLAY ADJUSTMENTS WHEN OVERLAY DEPTH EQUALS THE GRADE RING DEPTH. NO MORE THAN ONE GRADE RING ALLOWED PER BOX.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-3.1.6 (203,306,307)
				DATE 7/2009

APPROVED BY: [Signature] 07/09

VALVE BOX & LID



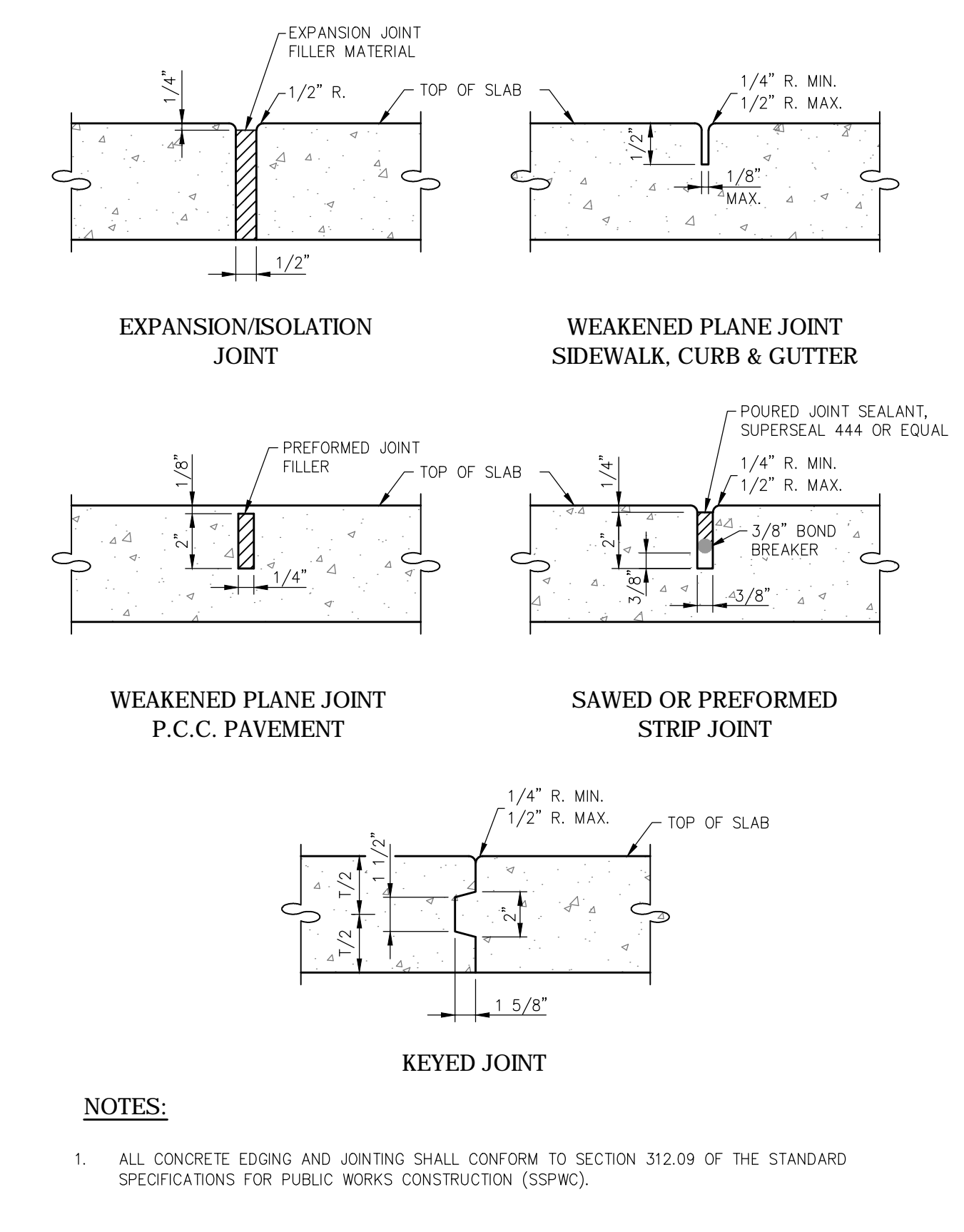
NOTES:

- IF NO SIDEWALK IS PRESENT, POUR 6 INCH CONCRETE CURB STRUCTURE BEHIND GRATE AND THE BEAM INTO BOX.
- FRAME SHALL BE NENAH R-3295 OR R-3067 SINGLE CURB UNIT WITH COMPLIANT TYPE L "VANE GRATE" AND CURB BOX, SOUTH BAY FOUNDRY VANE GRATE SOUTH BAY FOUNDRY 1947 OR APPROVED EQUAL, INSTALLED WITH PROPER FLOW DIRECTION.
- TILT FRAME & GRATE AS REQUIRED TO ATTAIN 6 INCH MIN. FLOW OPENING & INSTALL DURABLE SHIMS BETWEEN THE CURB BOX & FRAME AS REQUIRED TO MATCH CURB BOX TO TOP OF CURB AND FACE OF CURB (SEE SECTION B-B).
- CATCH BASIN TO BE INSTALLED OUTSIDE OF WALKING PATH. IF IT IS NOT POSSIBLE TO LOCATE CATCH BASIN OUTSIDE OF WALKING PATH THEN AN ADA COMPLIANT NENAH MODEL DR/DL GRATE, SOUTH BAY FOUNDRY 1947-ADA OR APPROVED EQUAL SHALL BE USED UPON APPROVAL BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-4.1.5
				DATE 7/2009

APPROVED BY: [Signature] 7/09

CATCH BASIN TYPE 4-R



NOTES:

- ALL CONCRETE EDGING AND JOINTING SHALL 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-5.1.1 (312)
				DATE 7/2009

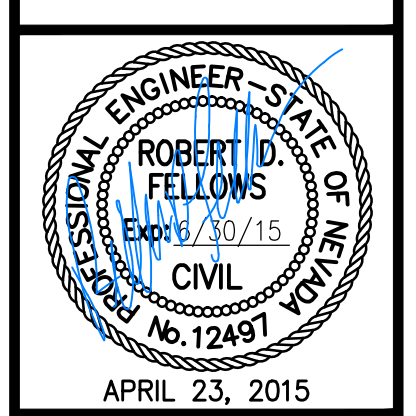
APPROVED BY: [Signature] 7/09

P.C.C. JOINTING DETAILS

DESIGNED BY: BD/BE
DRAWN BY: BD
CHECKED BY: RF
DWG NO.: COMSCURBBS1
SCALE (HORIZ): N/A
SCALE (VERT): N/A
PLOT DATE: 2015MAR30

**CARSON CITY
PUBLIC WORKS DEPARTMENT**

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

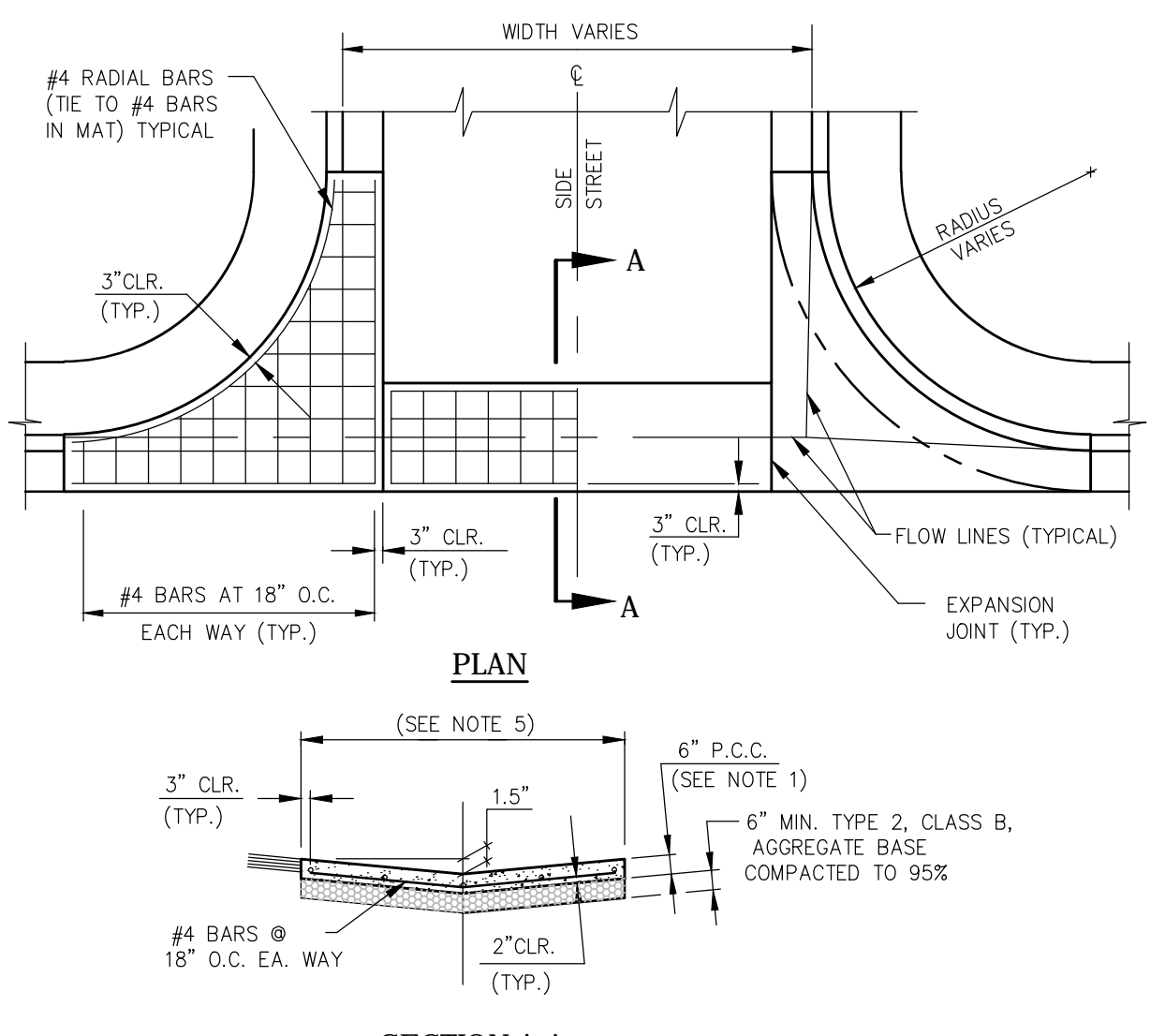


REV.	DATE	DESCRIPTION

**COMBS CANYON ROAD
2015 CURB IMPROVEMENTS
PROJECT NO. 6-0701**

CONSTRUCTION DETAILS

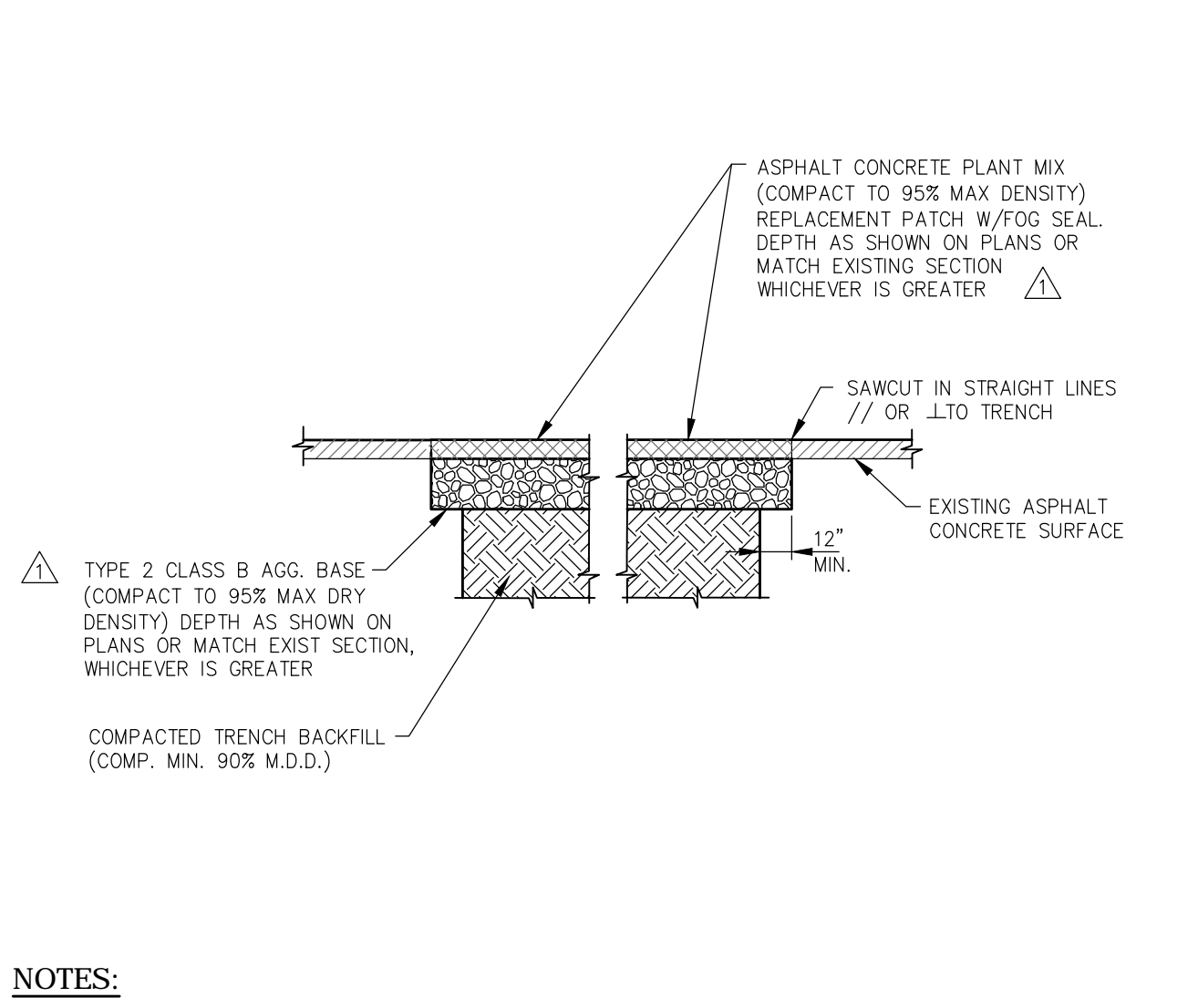
BID SET



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 SSPWC SECTION 202. POLYPROPYLENE FIBERS SHALL BE ADDED TO THE P.C.C. PER THE MANUFACTURER'S RECOMMENDATIONS.
- FOR INDUSTRIAL AREAS, AN ENGINEERED DESIGN IS REQUIRED.
- AGGREGATE BASE SHALL BE ENGINEERED TYPE 2, CLASS B WITH 95% COMPACTION.
- VALLEY GUTTER SHALL HAVE WEAKENED PLANE JOINTS EVERY 10 FEET.
- LOCAL AND COLLECTOR STREETS, WIDTH = 6 FEET, ARTERIAL STREETS (DRIVEWAYS ONLY), WIDTH = 10 FEET.
- VALLEY GUTTER SECTIONS (SPANDRELS) ALONG CURB & GUTTER SHALL BE A MONOLITHIC POUR AS SHOWN.
- 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).

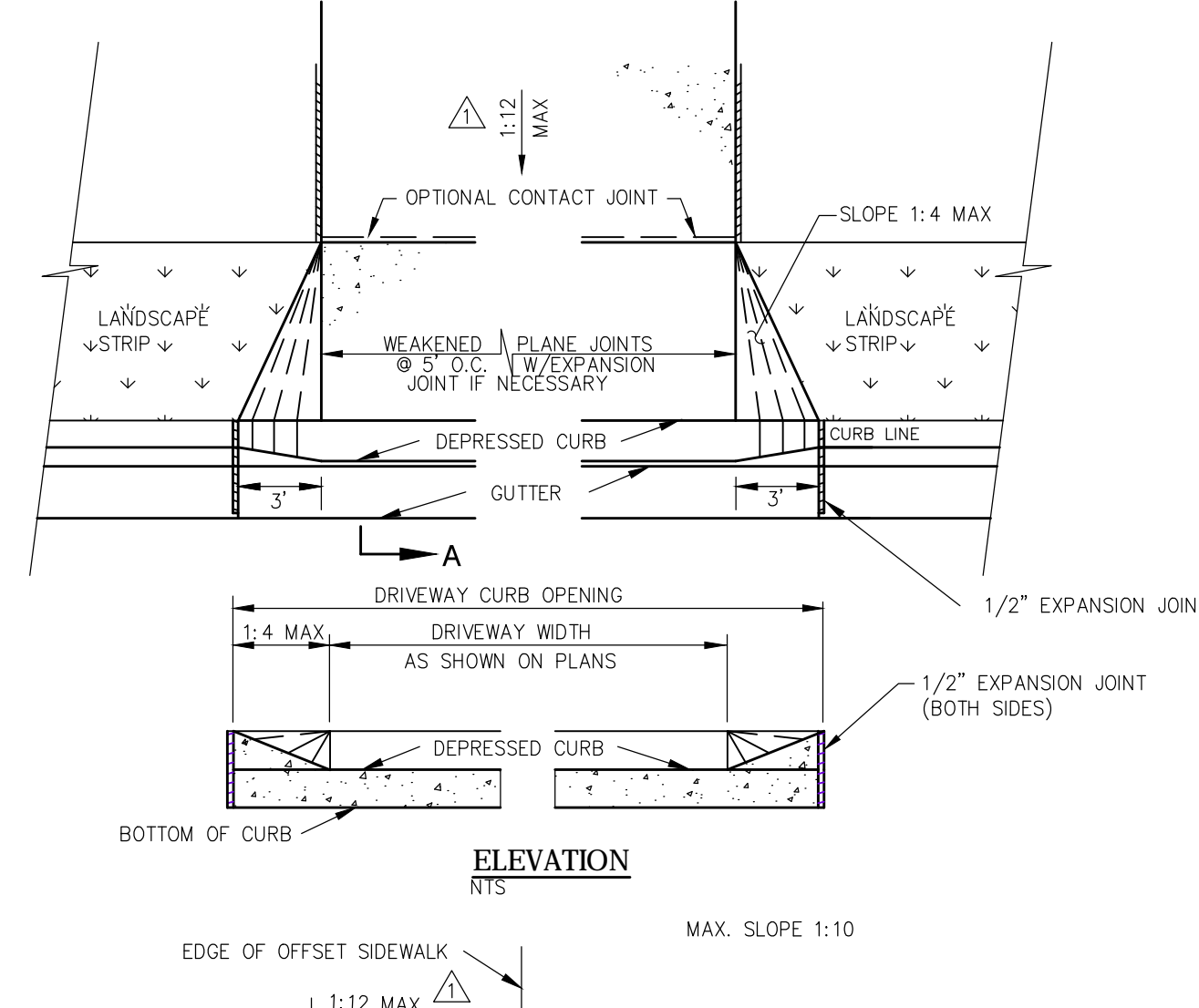
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.1.2
P.C.C. VALLEY GUTTER				
APPROVED BY:		7/09		7/2009



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.

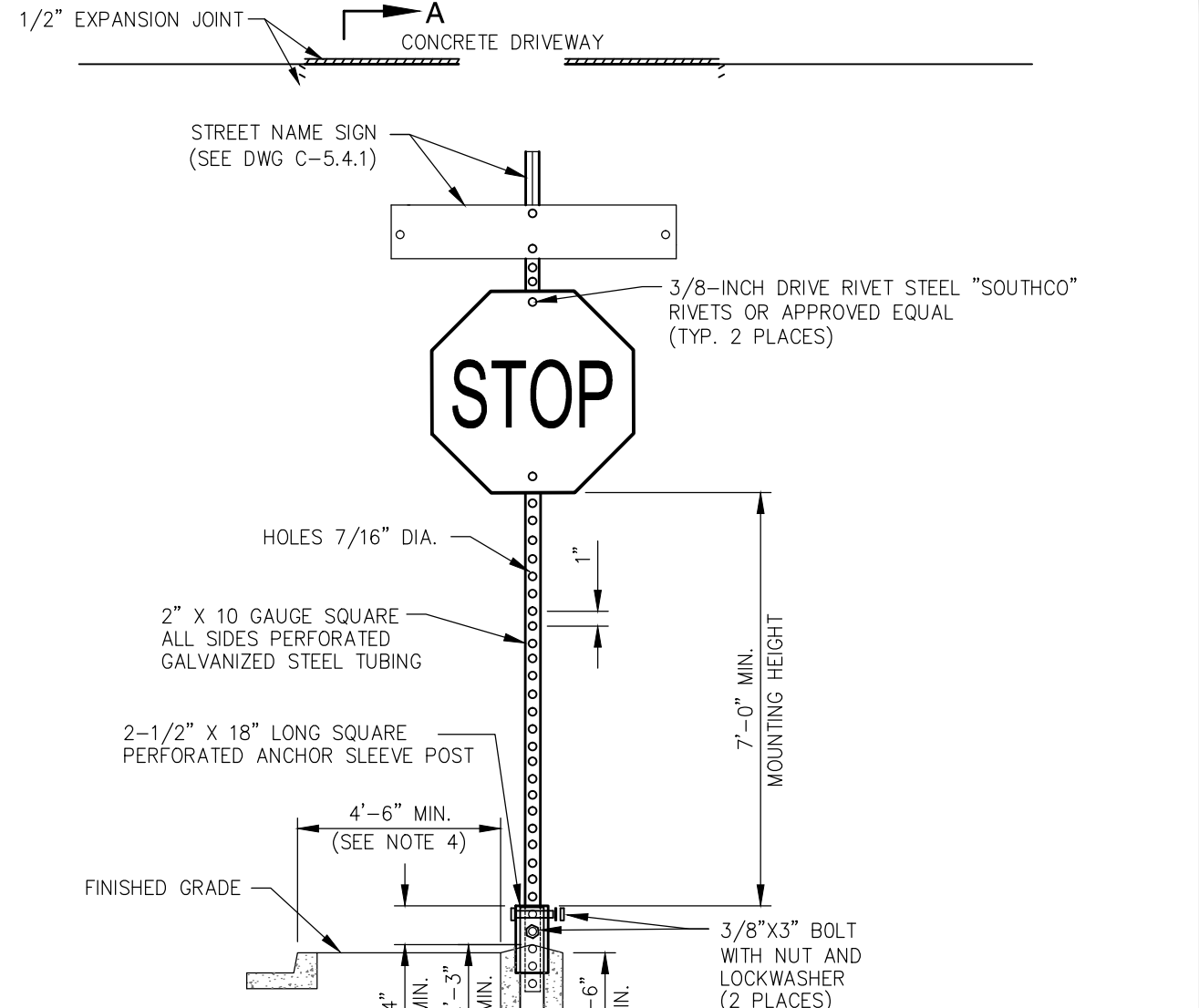
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.1.6
PAVEMENT PATCH (MODIFIED)				
APPROVED BY:		7/09		7/2009



NOTES:

- TYPE 2 DRIVEWAY APRON TO BE USED WITH OFFSET SIDEWALK UNLESS 5 FOOT SURFACE WITH 2% MAXIMUM BYPASS IS PROVIDED (SEE DRIVEWAY APRON BYPASS DETAIL C-5.2.6).
- COMMERCIAL DRIVEWAYS TO HAVE 6 INCH X 6 INCH 10/10 WIRE MESH EXTENDED INTO GUTTER PAN.
- IF EXPANSION JOINTS EXIST WITHIN 4 FEET OF DRIVEWAY, REMOVE SIDEWALK AND 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.

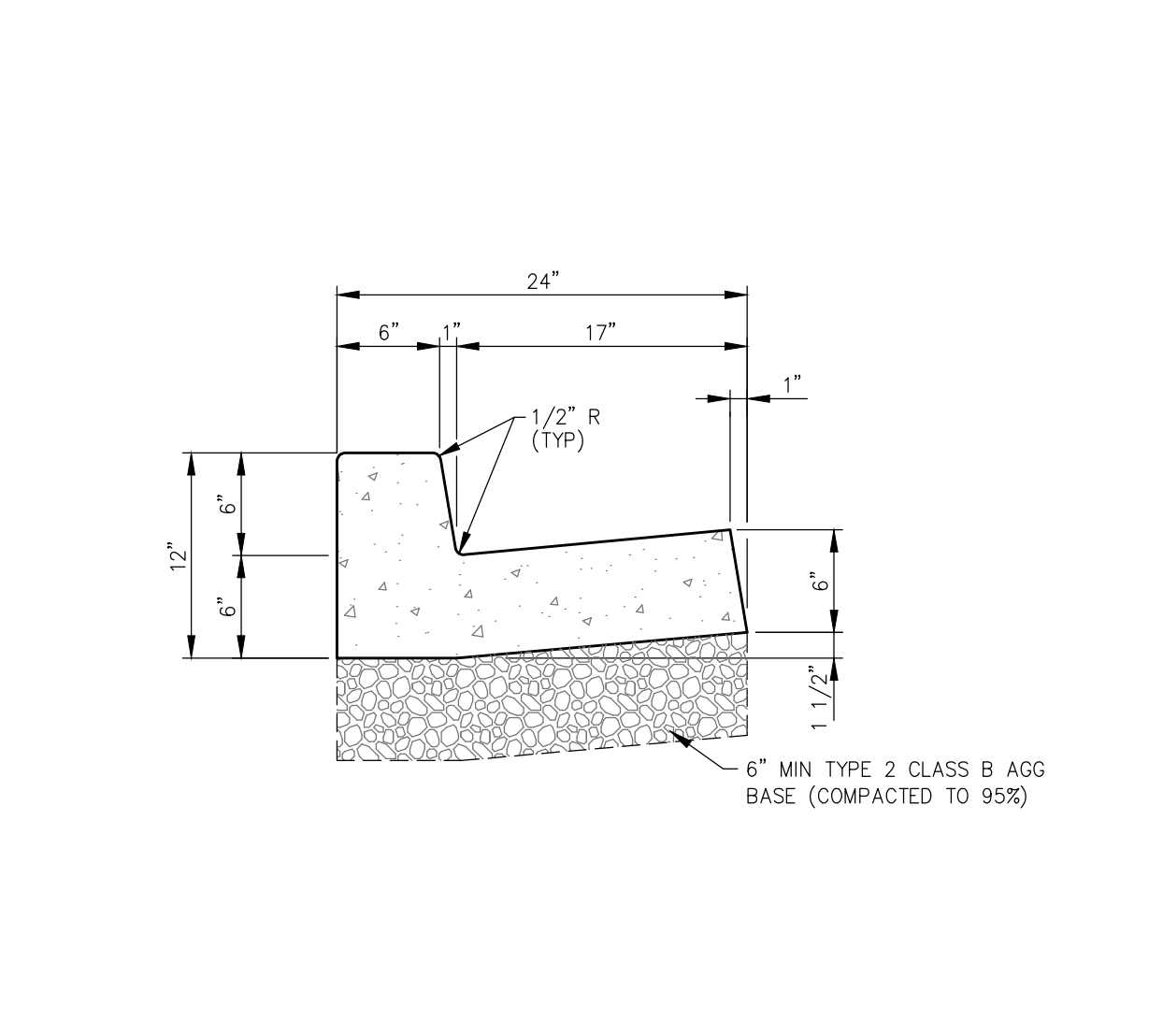
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.2.4
P.C.C. DRIVEWAY APRON TYPE 2 (MODIFIED)				
APPROVED BY:		7/09		7/2009



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
TRAFFIC SIGN INSTALLATION				
APPROVED BY:		7/09		7/2009



NOTES:

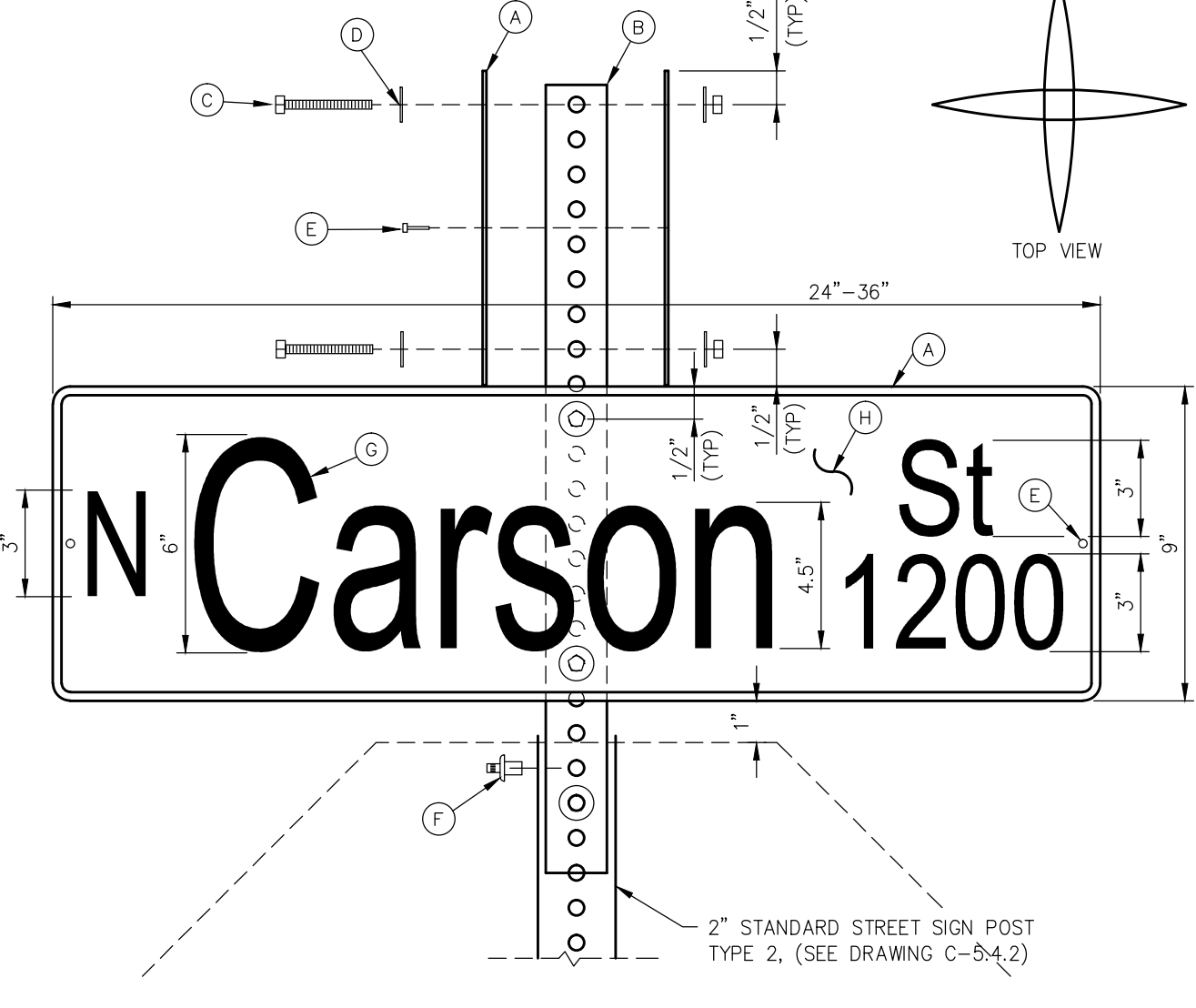
- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP 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.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.1.3
PCC CURB & GUTTER TYPE 1				
APPROVED BY:		7/09		7/2009

NOTES:

- NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED AND APPROVED BY CARSON CITY PUBLIC WORKS.
- 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 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 ENTRAINMENT AIR. 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 INCHES ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202 OF THE STANDARD 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).
- 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.
- 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.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.2.1
SIDEWALK AND DRIVEWAY GENERAL NOTES				
APPROVED BY:		7/09		7/2009



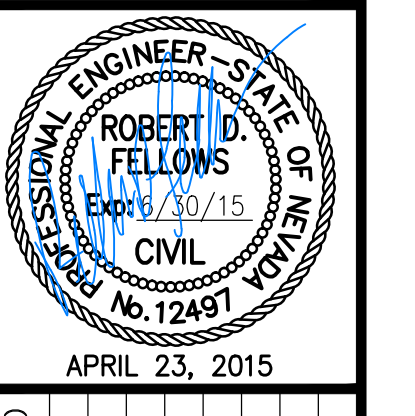
NOTES:

- STREET NAME SIGN SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE M.U.T.C.D.
- LETTERING FONT SHALL BE "HIGHWAY EM".
- SUBMITTAL REQUIRED TO CITY FOR LONGER NAMES OR DROP LETTERS.
- MATERIALS SHALL CONSIST OF:
 - A. (4) FLAT PLATE ALUMINUM NO. 6061-T6, .080 GAUGE.
 - B. (1) 2-FOOT LONG 1 3/4-INCH "TELESPAR" OR EQUIVALENT
 - C. (4) 2 1/2-INCH LONG, 5/16-INCH SAE GRADE 5 BOLT & NUT
 - D. (8) FLAT WASHERS
 - E. (4) 1/8-INCH DIAMETER, STEEL POP RIVET (MEDIUM LENGTH) WITH 1/8-INCH WASHER (ALUMINUM OR STEEL)
 - F. (1) 3/8-INCH DRIVE RIVET STEEL "SOUTHCO"
 - G. WHITE SHEETING - RETROREFLECTIVE ASTM IX DIAMOND GRADE WP "3M" OR EQUIVALENT
 - H. GREEN SHEETING - TRANSPARENCY ELETRO CUT FILM 1177C "3M" OR EQUIVALENT

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.4.1
STREET NAME SIGN AND MOUNTING				
APPROVED BY:		7/09		7/2009

DESIGNED BY: REF/BD
 DRAWN BY: BD
 CHECKED BY: REF
 DWG NO.: 6-0701B51
 SCALE (HORIZ): N/A
 SCALE (VERT): N/A
 PLOT DATE: 2015MAR30

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



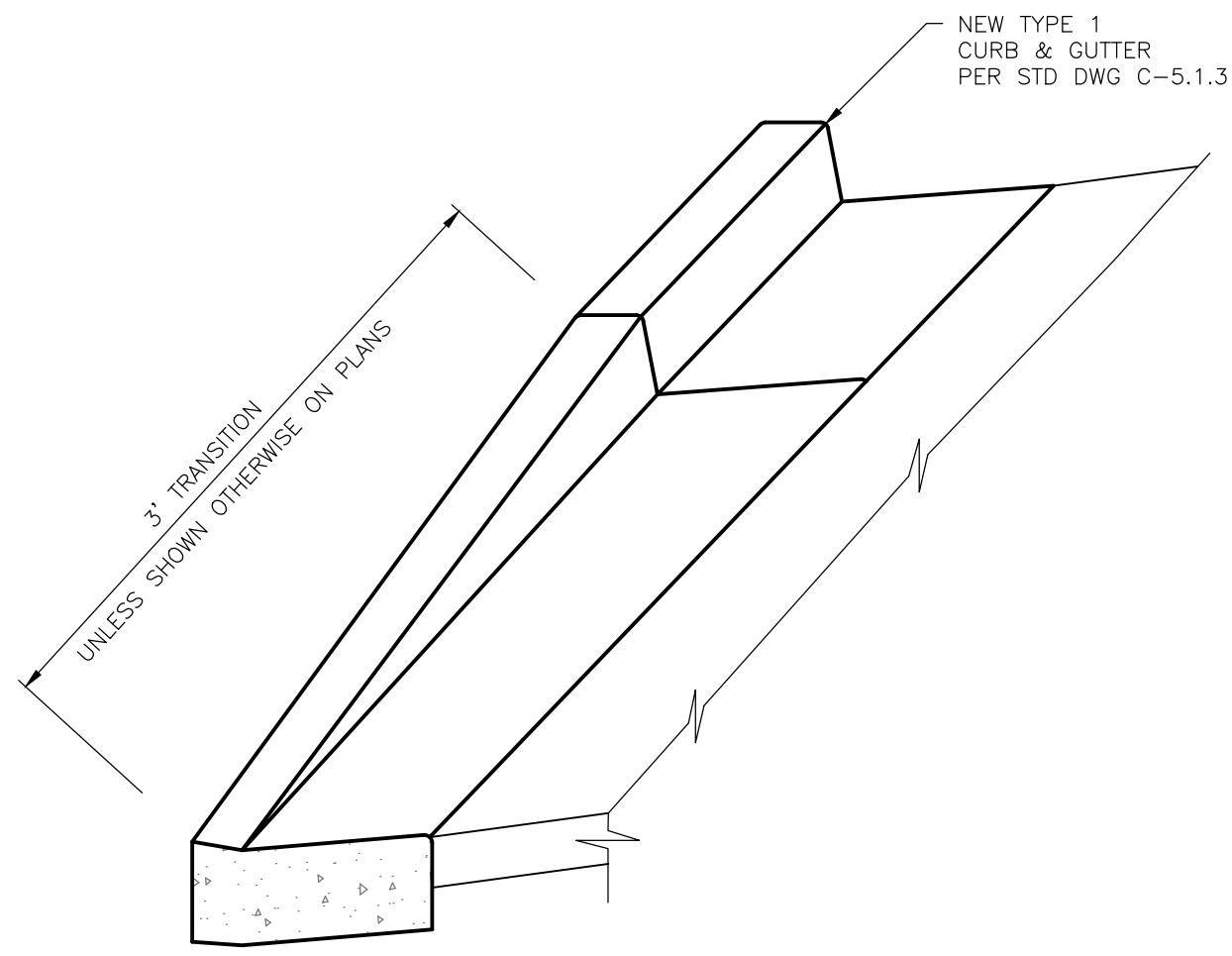
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO. C-5.4.2
TRAFFIC SIGN INSTALLATION				
APPROVED BY:		7/09		7/2009

COMBS CANYON ROAD 2015 CURB IMPROVEMENTS PROJECT No. 6-0701
CONSTRUCTION DETAILS

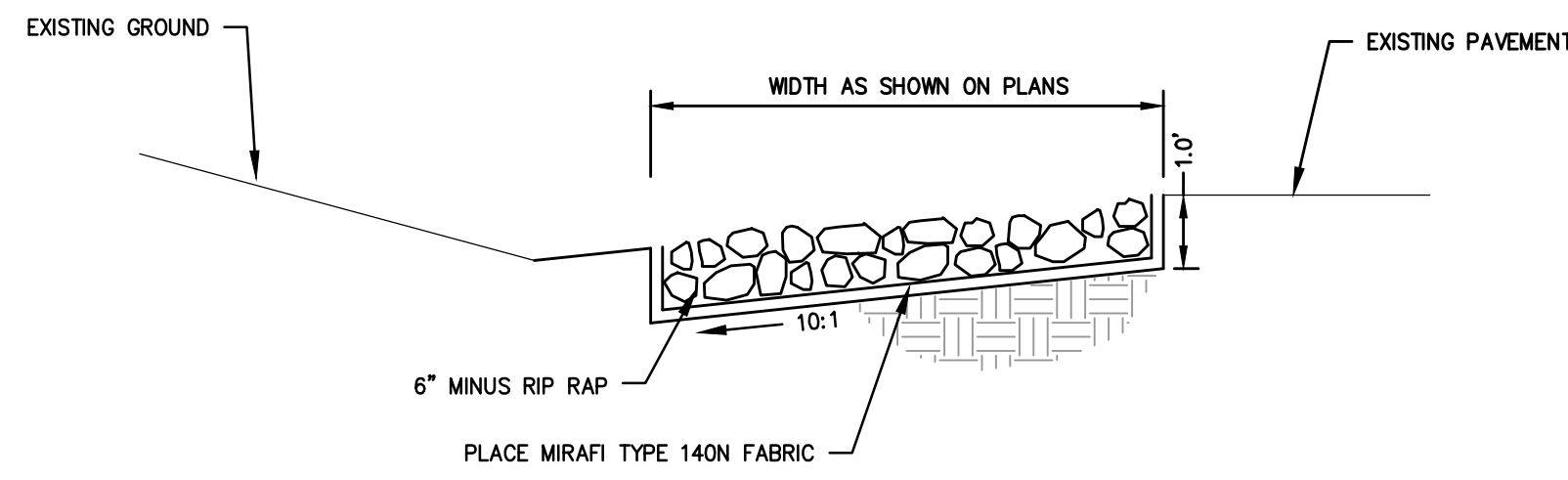


SHEET **C9** OF **10**

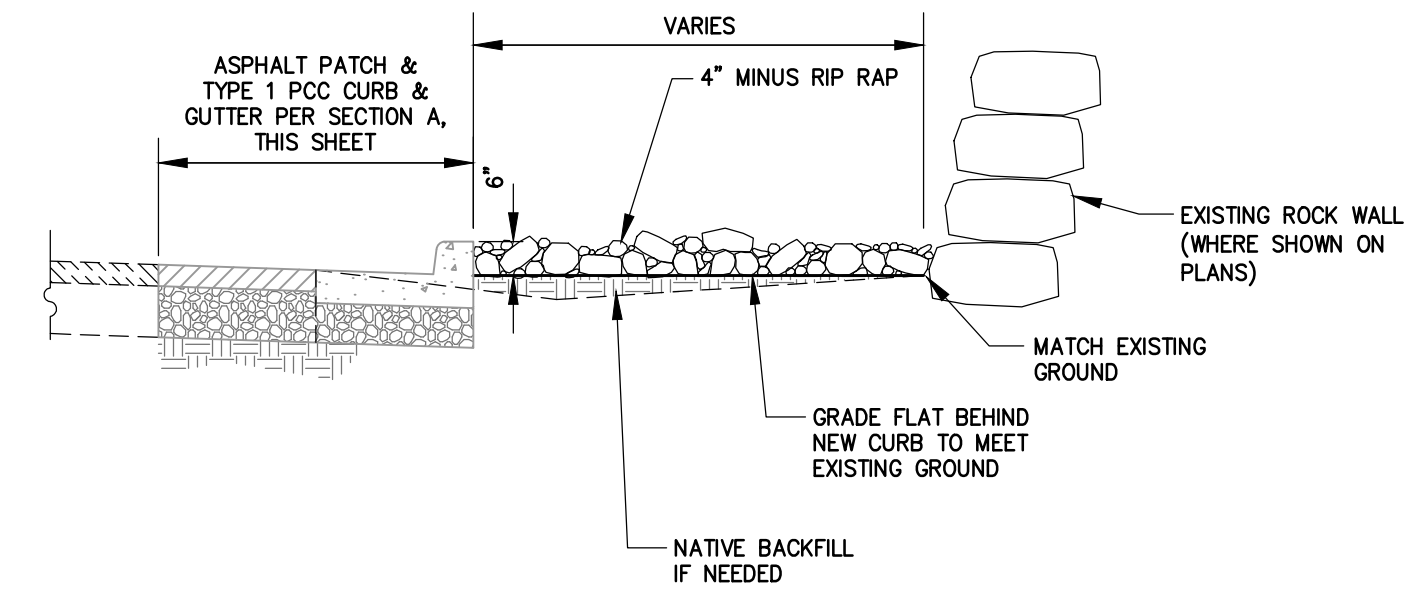
BID SET



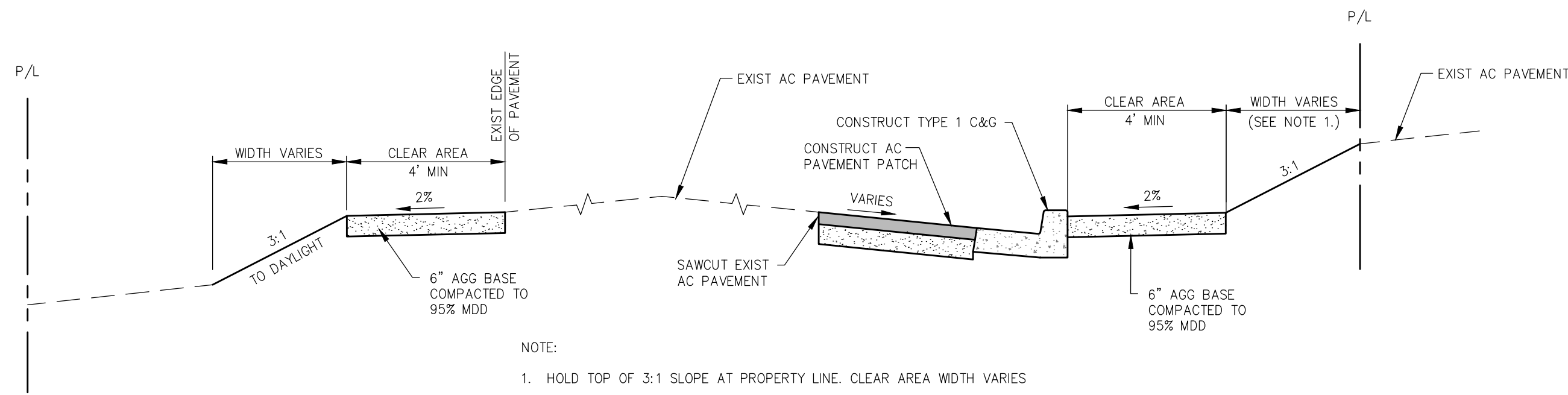
CURB TRANSITION 1
C10



4-6\"/>



4\"/>



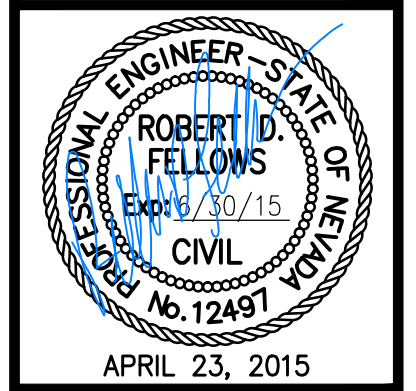
NOTE:
1. HOLD TOP OF 3:1 SLOPE AT PROPERTY LINE. CLEAR AREA WIDTH VARIES

STREET SECTION A
C10

DESIGNED BY: RF/BD
DRAWN BY: BD
CHECKED BY: RF
DWG NO.: 6-0701BS1
SCALE (HORIZ): N/A
SCALE (VERT): N/A
PLOT DATE: 2015MAR30

**CARSON CITY
PUBLIC WORKS DEPARTMENT**

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



REV.	DATE	DESCRIPTION	BY	APP'D

**COMBS CANYON ROAD
2015 CURB IMPROVEMENTS**
PROJECT No. 6-0701

CONSTRUCTION DETAILS

SHEET
C10
OF
10



BID SET