

KINGS CANYON ROAD DRAINAGE & PEDESTRIAN IMPROVEMENTS

CARSON CITY, NEVADA

PROJECT 6.1303

BOARD OF SUPERVISORS

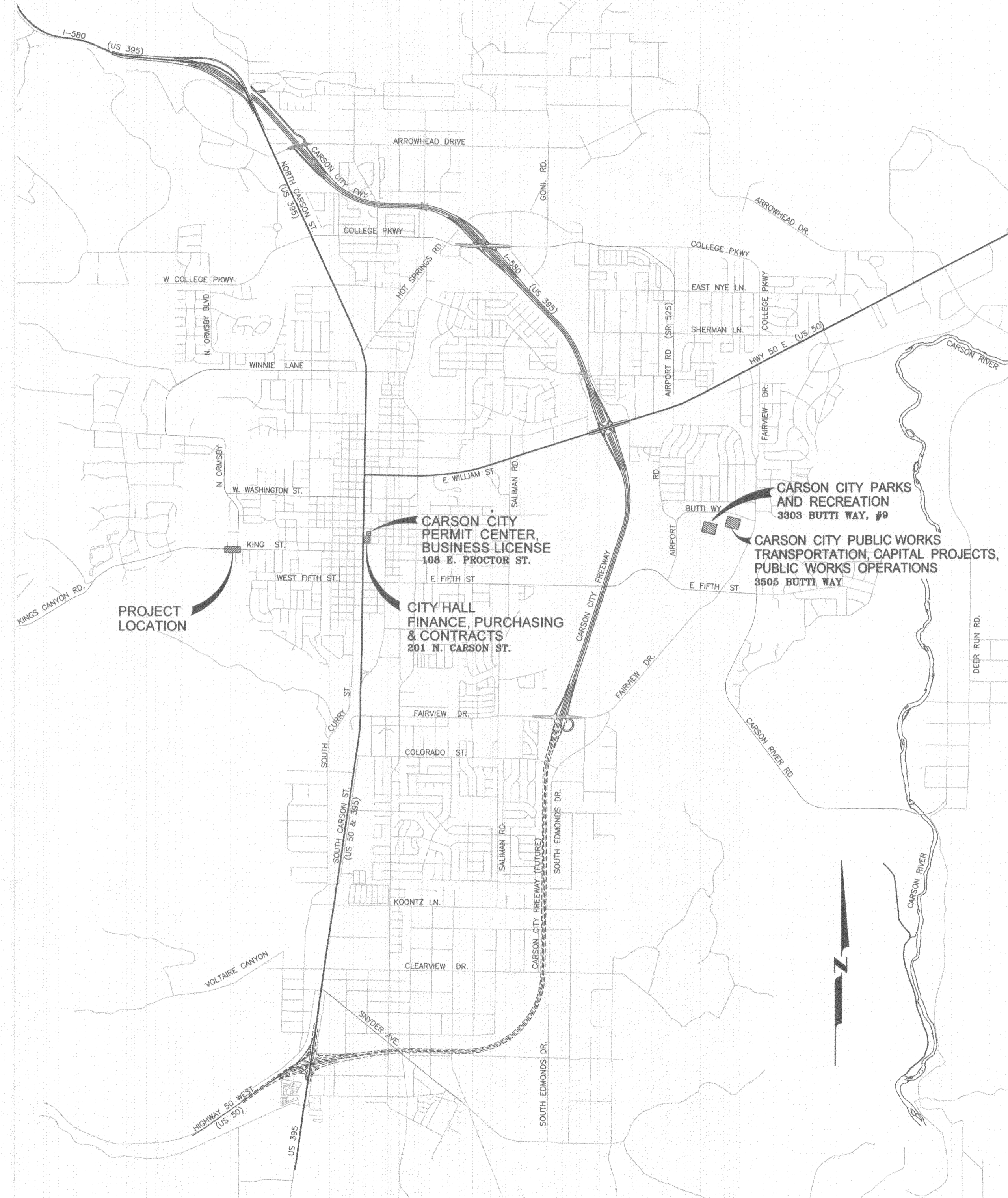
Robert Crowell	Mayor
Karen Abowd	Supervisor
Brad Bonkowski	Supervisor
Lori Bagwell	Supervisor
Jim Shirk	Supervisor
Alan Glover	City Clerk

DESIGNED FOR:

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

GENERAL NOTES

- 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 6 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 MAC 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 12.06.180F, 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).



VICINITY MAP

N.T.S.

SHEET INDEX

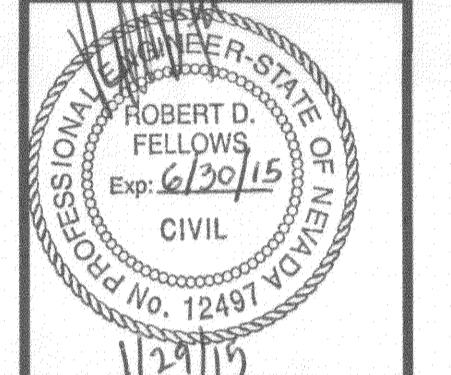
- | | |
|----|--|
| C1 | TITLE SHEET |
| C2 | STORM WATER PROTECTION PLAN,
NOTES & LEGEND |
| C3 | PLAN & PROFILE - KINGS CANYON RD
(STA 11+00 TO STA 16+50) |
| C4 | DETAILS |
| C5 | DETAILS |
| C6 | STRIPING & SIGNAGE |



APPLICATION NO. _____

DESIGNED BY: BD
DRAWN BY: BD
CHECKED BY: RF
DWG NO.: 6.1303KING-TS1
SCALE (HORIZ): XX
SCALE (VERT): XX
PLOT DATE: 2015 JAN 29

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

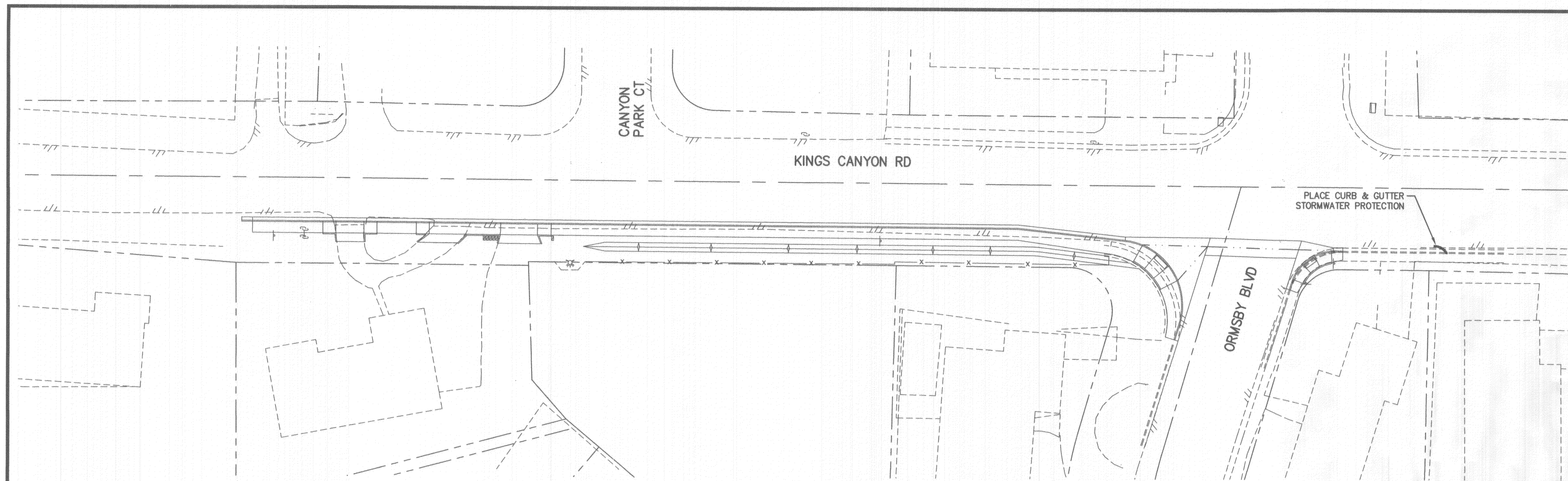


REV.	DATE	DESCRIPTION	BY	APP'D

KINGS CANYON ROAD
DRAINAGE & PEDESTRIAN IMPROVEMENTS
PROJECT No. 6.1303
TITLE SHEET

SHEET
C1
OF
6

BID SET

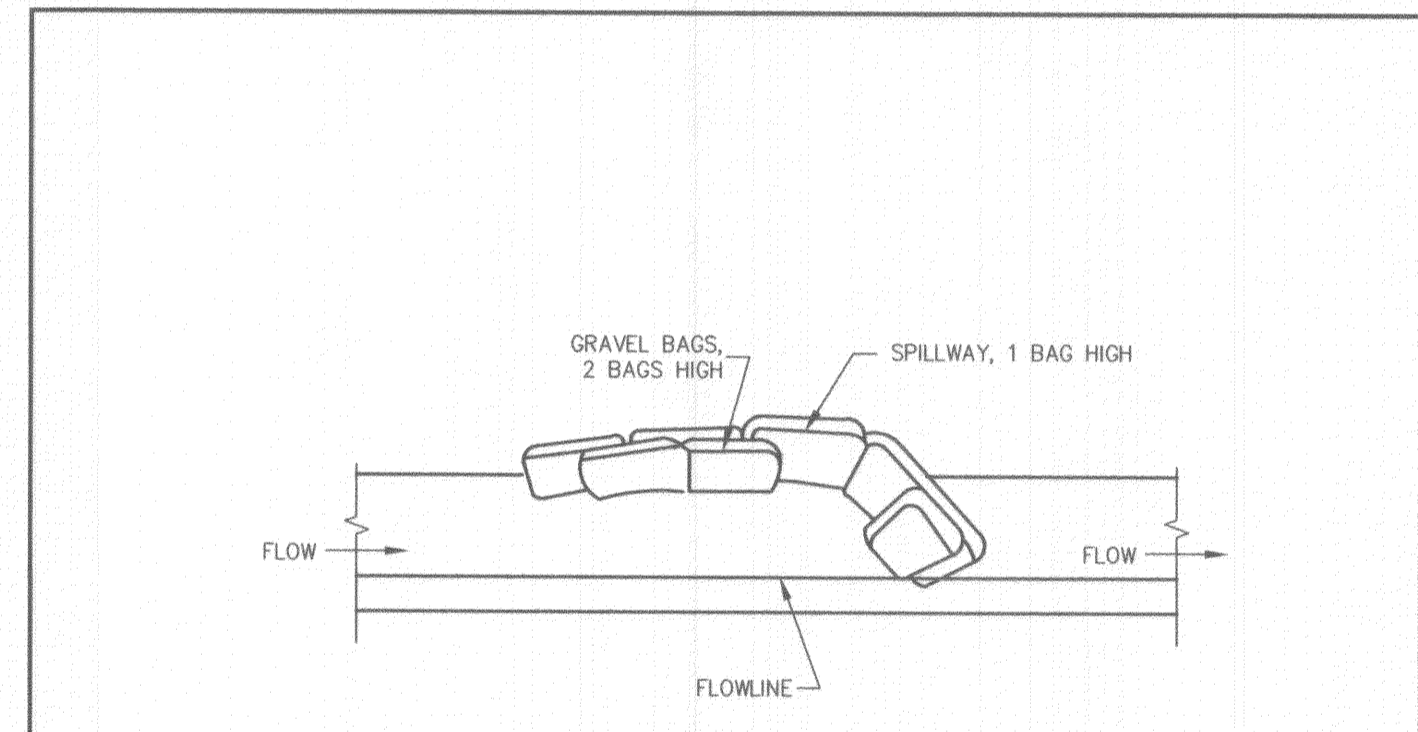


STORMWATER PROTECTION PLAN

SCALE: 1" = 30'

LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED
WV	PROPERTY LINE	---	DRAINAGE SWALE
⊗	WATER VALVE	—G—	GAS LINE
8"W	WATER LINE	⊗	GAS VALVE
⊗	WATER METER	⊗	UTILITY POLE
⊗	FIRE HYDRANT	⊗	SIGN
—XX—SS—	SEWER LINE	TYPE	ELEVATION CONTOUR
⊗	SANITARY SEWER MANHOLE	(3221)	AC PAVEMENT
—S—	SEWER SERVICE	—/—/—	AC PAVEMENT PATCH
—XX—SD—	STORM DRAIN	---	FENCE LINE



TYPICAL PROTECTION FOR TYPE 1 CURB & GUTTER ON GRADE

NOTES:

- INTENDED FOR TEMPORARY SHORT-TERM USE.
- USE TO MANAGE CURB WATER FLOW.
- SEDIMENT CAPTURED BEHIND GRAVEL BAGS 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.
- GRAVEL BAGS SHALL BE FILLED WITH 3/4 INCH WASHED ROCK.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY DRAWING NO.
			CURB & GUTTER STORMWATER PROTECTION	DATE
APPROVED BY:		N/A		

STORMWATER PROTECTION NOTES:

- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL STORM WATER PROTECTION DEVICES IN ACCORDANCE WITH THE "NEVADA CONTRACTORS FIELD GUIDE FOR CONSTRUCTION SITE BEST MANAGEMENT PRACTICES" AND DETAILS AS SHOWN.
- ALL INSTALLED PROTECTION DEVICES SHALL BE INSPECTED AND APPROVED BY THE CARSON CITY CONSTRUCTION INSPECTOR PRIOR TO ANY CONSTRUCTION ACTIVITY.
- BMP'S IN ADDITION TO THOSE INDICATED ON PLAN SHEETS, AND THE CONTRACTOR'S SWPPP MAY BE REQUIRED IF THEY DON'T MEET LOCAL PERFORMANCE STANDARDS.
- ALL BMP'S MUST BE INSPECTED WEEKLY PRIOR TO FORECASTED RAIN EVENTS, AND WITHIN 24 HOURS AFTER ANY EVENT THAT CREATES RUNOFF AT THE SITE.
- ACCUMULATED SEDIMENT MUST BE REMOVED FROM BMP'S WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE. SEDIMENT MUST ALSO BE REMOVED WITHIN SEVEN DAYS AFTER A RUNOFF EVENT OR PRIOR TO THE NEXT FORECASTED RAIN EVENT WHICHEVER IS EARLIER.
- CONTRACTOR SHALL INSPECT LOCAL ROADS ADJACENT TO THE SITE DAILY, SWEEP OR VACUUM TO REMOVE ANY VISIBLE ACCUMULATED SEDIMENT.
- ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED BY SHOVELING, STREET SWEEPING OR VACUUMING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING DOWN THE STREET, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, THE CONSTRUCTION OF A SMALL SUMP SHALL BE CONSIDERED. THE SEDIMENT WOULD THEN BE WASHED INTO THE SUMP WHERE IT CAN BE CONTROLLED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DUST CONTROL WITHIN THE CONSTRUCTION LIMITS AT ALL TIMES.
- STORM DRAIN INLET PROTECTION SHALL BE PLACED ACCORDINGLY ON THE NEAREST INLETS DOWNSTREAM OF ALL CONSTRUCTION ACTIVITIES.
- HIGH VISIBILITY ORANGE SILT FENCE SHALL BE INSTALLED PER THE DETAILS SHOWN HEREON, AND MAINTAINED THROUGH OUT THE PROJECT.
- THE CONTRACTOR OR HIS QUALIFIED AGENT IS REQUIRED TO ROUTINELY INSPECT ALL AREAS OF DISTURBED AND BARE SOIL, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, ONSITE VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL ONSITE EROSION AND SEDIMENT CONTROL BMP'S.

BASIS OF BEARING AND ELEVATION

THE BASIS OF BEARING, COORDINATES AND ELEVATION FOR THIS PROJECT IS:
 THE LINE BETWEEN "HV-1" (N14737165.80, E 2287901.34 ELEV=4713.24) - CARSON CITY CONTROL POINT CC026 LOCATED ON THE EAST SIDE OF N. MOUNTAIN ST. AT 70' NORTH OF THE INTERSECTION OF WEST WASHINGTON ST. AND "HV-2" (N 14735333.30 E 2283584.83 ELEV=4809.61) - CARSON CITY CONTROL POINT CC041 LOCATED AT THE SOUTH NOSE OF CENTER ISLAND APPROXIMATELY 60' SOUTH OF THE INTERSECTION OF KINGS CANYON ROAD AND THAMES LN. WITH THE LINE BETWEEN THE TWO POINTS HAVING A BEARING OF N66°59'49"E AND DISTANCE OF 4689.39'.

COORDINATES ARE NEVADA STATE PLANE, WEST ZONE NAD83.
 AERIAL MAPPING AND TOPOGRAPHY PREPARED BY NORTH AMERICAN MAPPING, FLOWN 10-5-04, WITH SUPPLEMENTAL FIELD SURVEY DATA PROVIDED BY CARSON CITY PUBLIC WORKS. ELEVATIONS ARE BASED ON NAVD83 DATUM

NOTE:
 THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO REPLACE IN KIND ALL EXISTING SURVEY CONTROL MARKERS WHICH ARE DAMAGED OR DISTURBED DUE TO HIS CONSTRUCTION EFFORTS. RE-ESTABLISHMENT OF SURVEY CONTROL MARKERS SHALL BE COMPLETED BY A NEVADA LICENSED PROFESSIONAL LAND SURVEYOR.

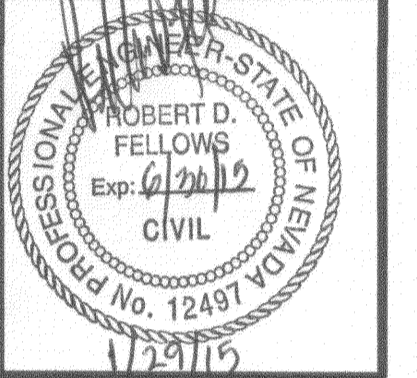
HORIZONTAL & VERTICAL CONTROL POINT DATA

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION / LOCATION
HV-1	14737165.80	2287901.34	4713.24	CARSON CITY CONTROL POINT CC026
HV-2	14735333.30	2283584.83	4809.61	CARSON CITY CONTROL POINT CC041
HV-3	14734429.64	2280902.76	4899.15	CARSON CITY CONTROL POINT CC059



DESIGNED BY: RF
 DRAWN BY: BD
 CHECKED BY: RF
 DWG NO.: SD-KINGSWALL-B51
 SCALE (HORIZ): 1" = 30'
 SCALE (VERT): X" = XX'
 PLOT DATE: 2015 JAN 29

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

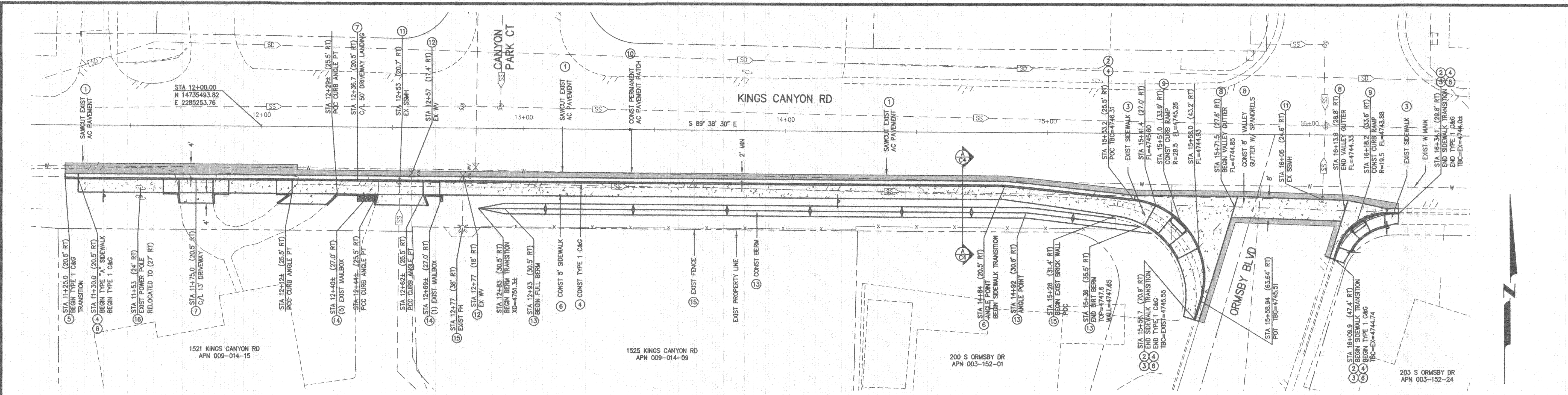


REV.	DATE	DESCRIPTION	BY	APP'D

KINGS CANYON RD DRAINAGE & PEDESTRIAN IMPROVEMENTS PROJECT No. 06-1303
STORMWATER PROTECTION PLAN, NOTES & LEGEND

SHEET **02** OF **6**

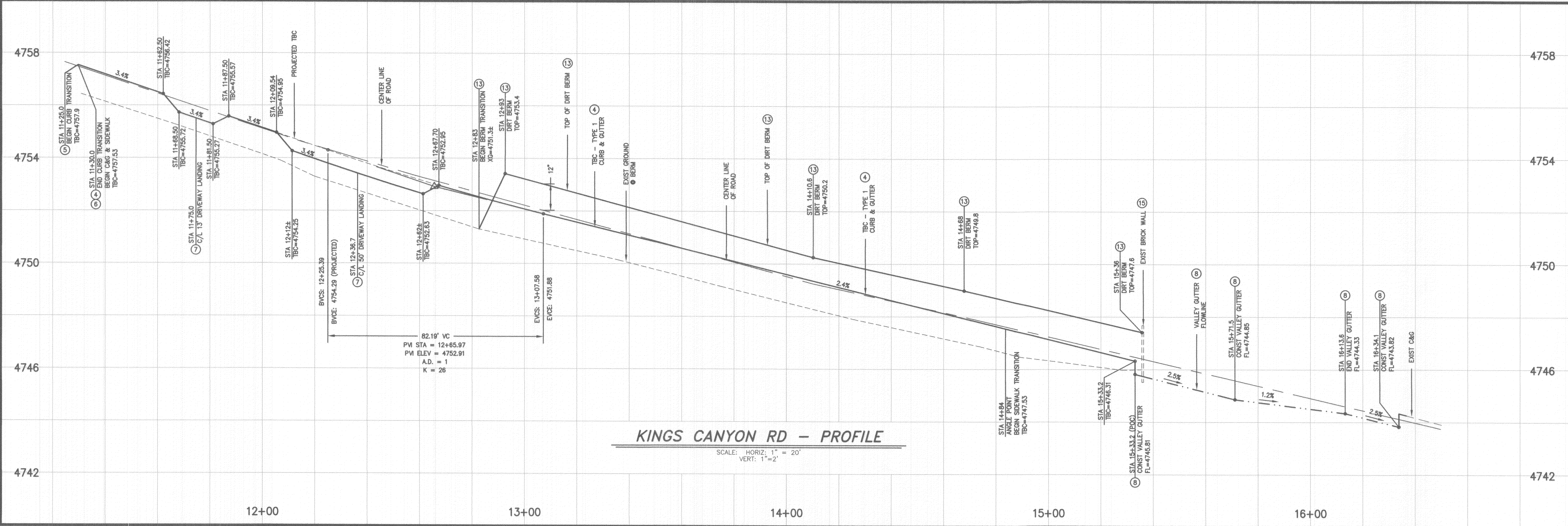
BID SET



KINGS CANYON RD - PLAN
SCALE: 1" = 20'

CONSTRUCTION NOTES

- ① SAWCUT AND REMOVE EXIST AC PAVEMENT.
- ② SAWCUT & REMOVE EXIST PCC CURB AND GUTTER.
- ③ SAWCUT & REMOVE EXIST PCC SIDEWALK / DRIVEWAY.
- ④ CONSTRUCT TYPE 1 CURB AND GUTTER PER STANDARD DETAIL C-5.1.3.
- ⑤ CONSTRUCT CURB & GUTTER TRANSITION PER DETAIL 1 SHEET C4.
- ⑥ CONSTRUCT TYPE "A" SIDEWALK PER STANDARD DETAIL C-5.2.2. PROVIDE A MINIMUM OF 5 FEET CLEARANCE AROUND OBSTACLES.
- ⑦ CONSTRUCT TYPE 1 PCC DRIVEWAY APRON PER STANDARD DETAIL C-5.2.3.
- ⑧ CONSTRUCT VALLEY GUTTER WITH SPANDRELS PER STANDARD DETAIL C-5.1.2.
- ⑨ CONSTRUCT APEX PARALLEL CURB RAMP PER STANDARD DETAIL C-5.3.5.
- ⑩ CONSTRUCT AC PAVEMENT PATCH PER STANDARD DETAIL C-5.1.6.
- ⑪ ADJUST EXISTING SEWER MANHOLE TO NEW FINISH GRADE. PER STANDARD DETAIL C-2.1.5.
- ⑫ ADJUST EXISTING WATER VALVE BOX TO NEW FINISH GRADE. PER STANDARD DETAIL C-3.1.4.
- ⑬ CONSTRUCT BERM PER BERM SECTION A SHEET C4.
- ⑭ RELOCATE EXIST MAILBOX. COORDINATE WITH OWNER.
- ⑮ PROTECT IN PLACE.
- ⑯ EXISTING POWER POLE TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.



KINGS CANYON RD - PROFILE
SCALE: HORIZ: 1" = 20'
VERT: 1" = 2'

DESIGNED BY: RF
DRAWN BY: BD
CHECKED BY: RF
DWG NO.: SD-KINGSWALL-B51
SCALE (HORIZ): 1" = 20'
SCALE (VERT): 1" = 2'
PLOT DATE: 2015 JAN 29

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

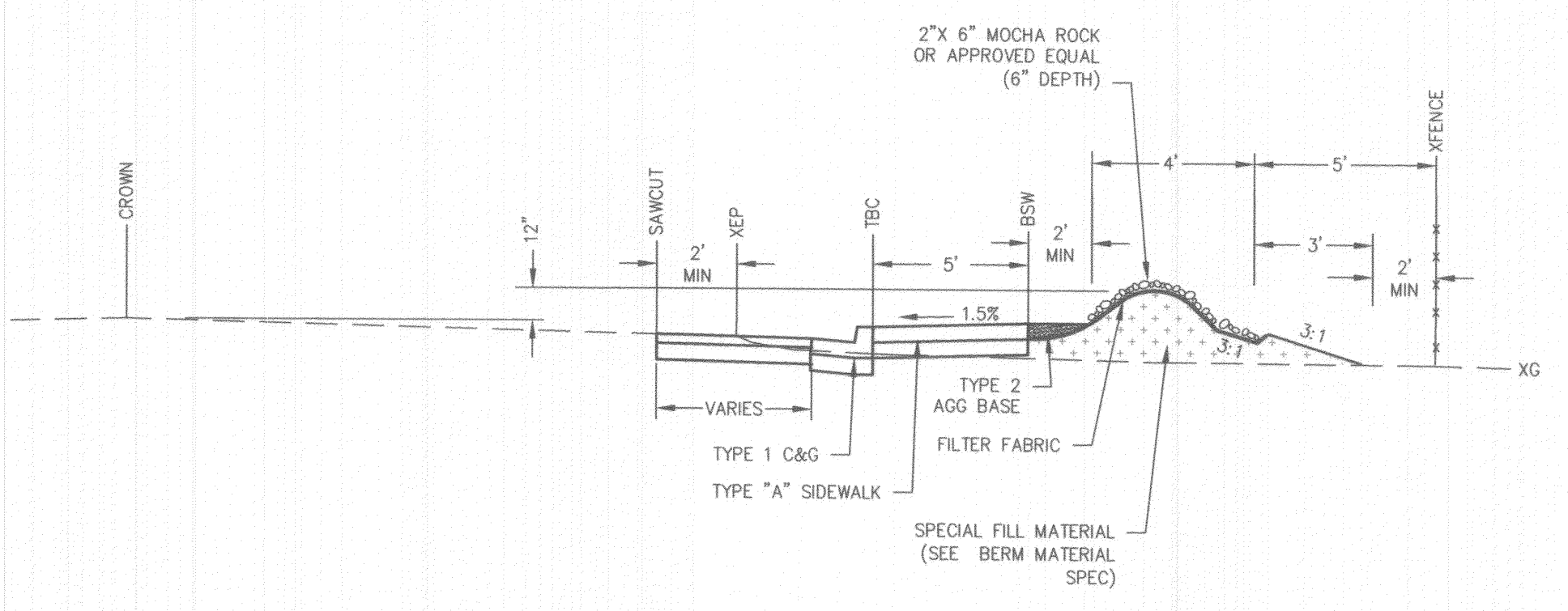
ROBERT D. FELLOWS
Exp: 6/30/15
CIVIL
Professional No. 12491
1/29/15

REV.	DATE	DESCRIPTION

**KINGS CANYON RD
DRAINAGE & PEDESTRIAN IMPROVEMENTS
PROJECT No. 06-1303
PLAN & PROFILE
KINGS CANYON RD
STA 11+00 to STA 16+50**

SHEET
C3
OF
6

BID SET



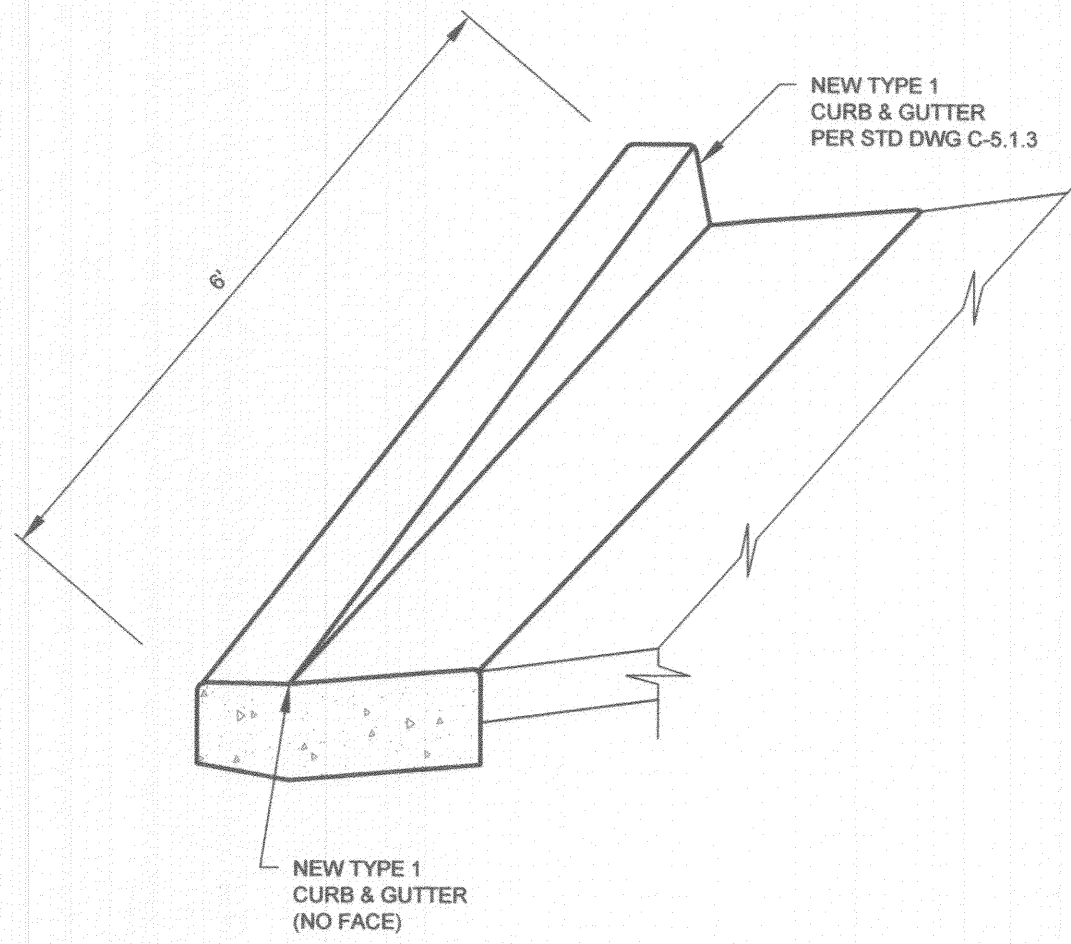
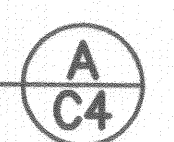
BERM MATERIAL SPEC

US STD SIEVE SIZE	PERCENT PASSING
1/2"	50-90
3/8"	50-90
#4	50-80
#10	40-75
#16	40-60
#40	30-65
#50	30-60
#100	25-50
#200	20-35

ALL MATERIAL TO BE COMPACTED TO 90% RELATIVE DENSITY

- NOTES:**
- 2" x 6" MOCHA COLORED ROCK TO BE APPROVED BY CITY'S PROJECT MANAGER PRIOR TO PLACEMENT.
 - FILTER FABRIC SHALL BE LAWNMASTER POLY PRO 55 OR APPROVED EQUAL.

BERM SECTION
NOT TO SCALE



TYPICAL CURB TRANSITION
NOT TO SCALE

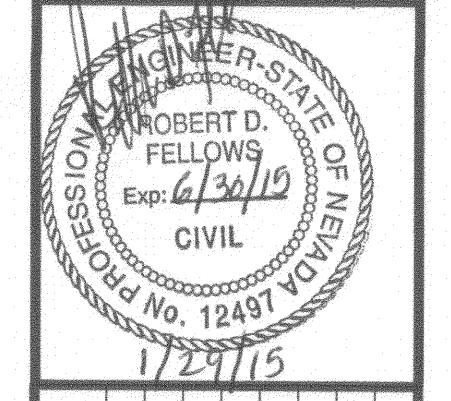


- NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED AND APPROVED BY CARSON CITY PUBLIC WORKS.
- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), WITH COARSE AGGREGATE GRADATION CONFORMING 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 ENTRAINED 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.
- AC PAVEMENT EDGE SHALL BE 1/4 INCH TO 1/2 INCH ABOVE THE LIP OF GUTTER.
EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP, WITHIN AN ACCESSIBLE ROUTE OR BIKE LANE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NOTE 8	05/14	SIDEWALK AND DRIVEWAY GENERAL NOTES	CARSON CITY DRAWING NO. C-5.2.1
APPROVED BY: [Signature]				DATE: 5/2014

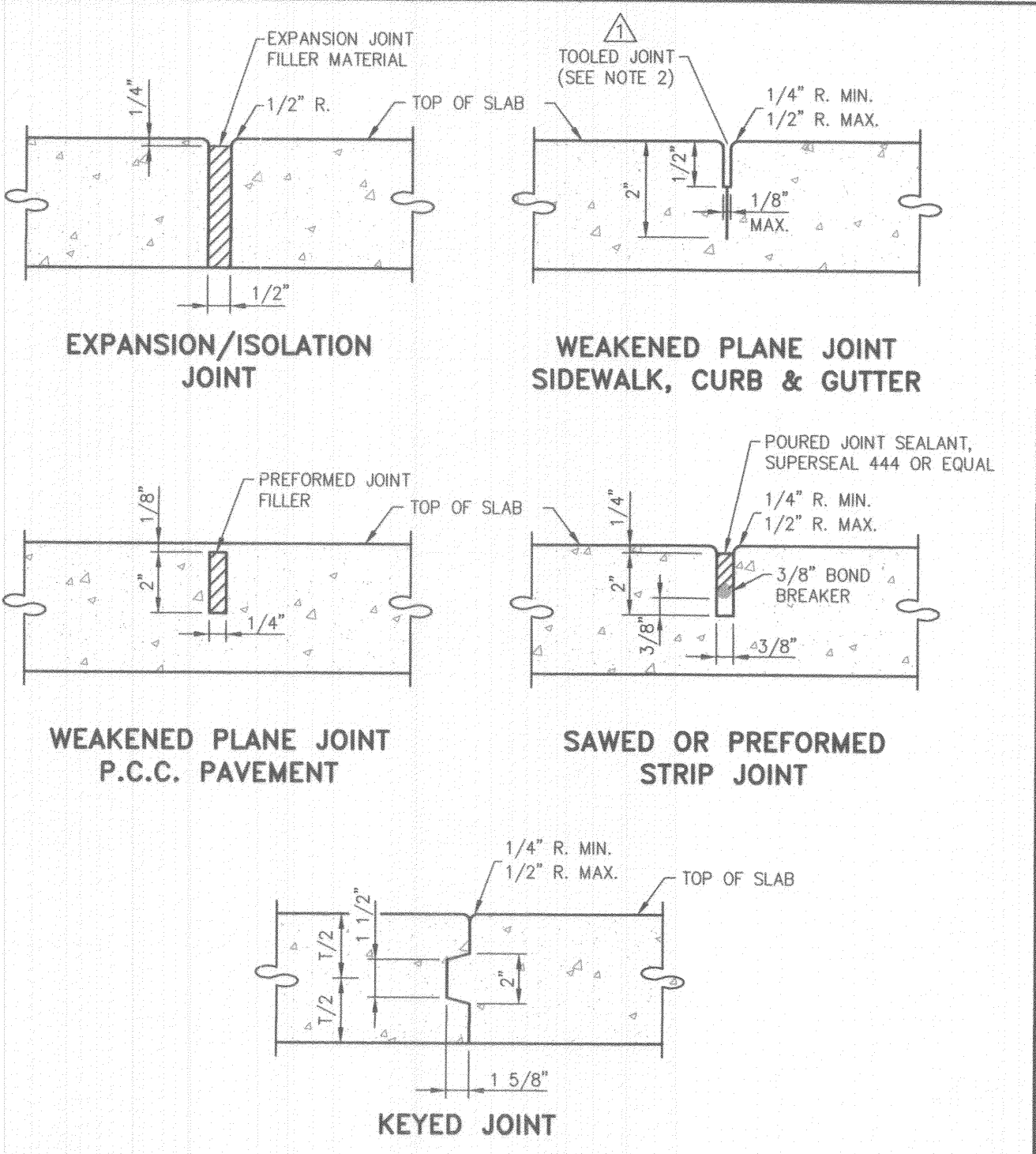
DESIGNED BY: RF
 DRAWN BY: BD
 CHECKED BY: RF
 DWG NO.: SD-KINGSWALL-BSI
 SCALE (HORIZ): N.T.S.
 SCALE (VERT): 1"=5'-XX"
 PLOT DATE: 2015 JAN 29

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



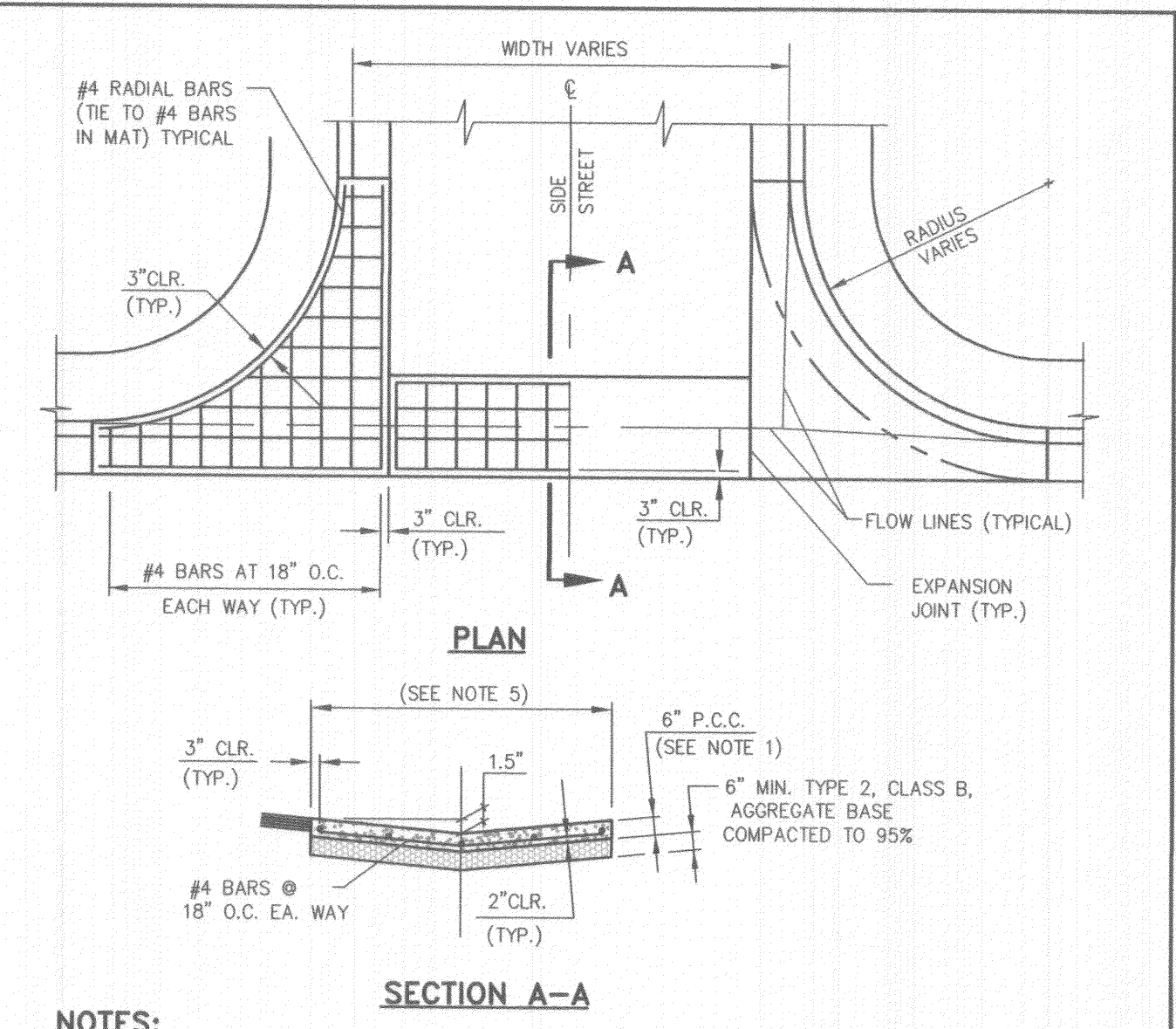
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	APP'D			
2	BY			
3	DESCRIPTION			
4	REV.	DATE		

KINGS CANYON RD DRAINAGE & PEDESTRIAN IMPROVEMENTS PROJECT No. 06-1303
DETAILS



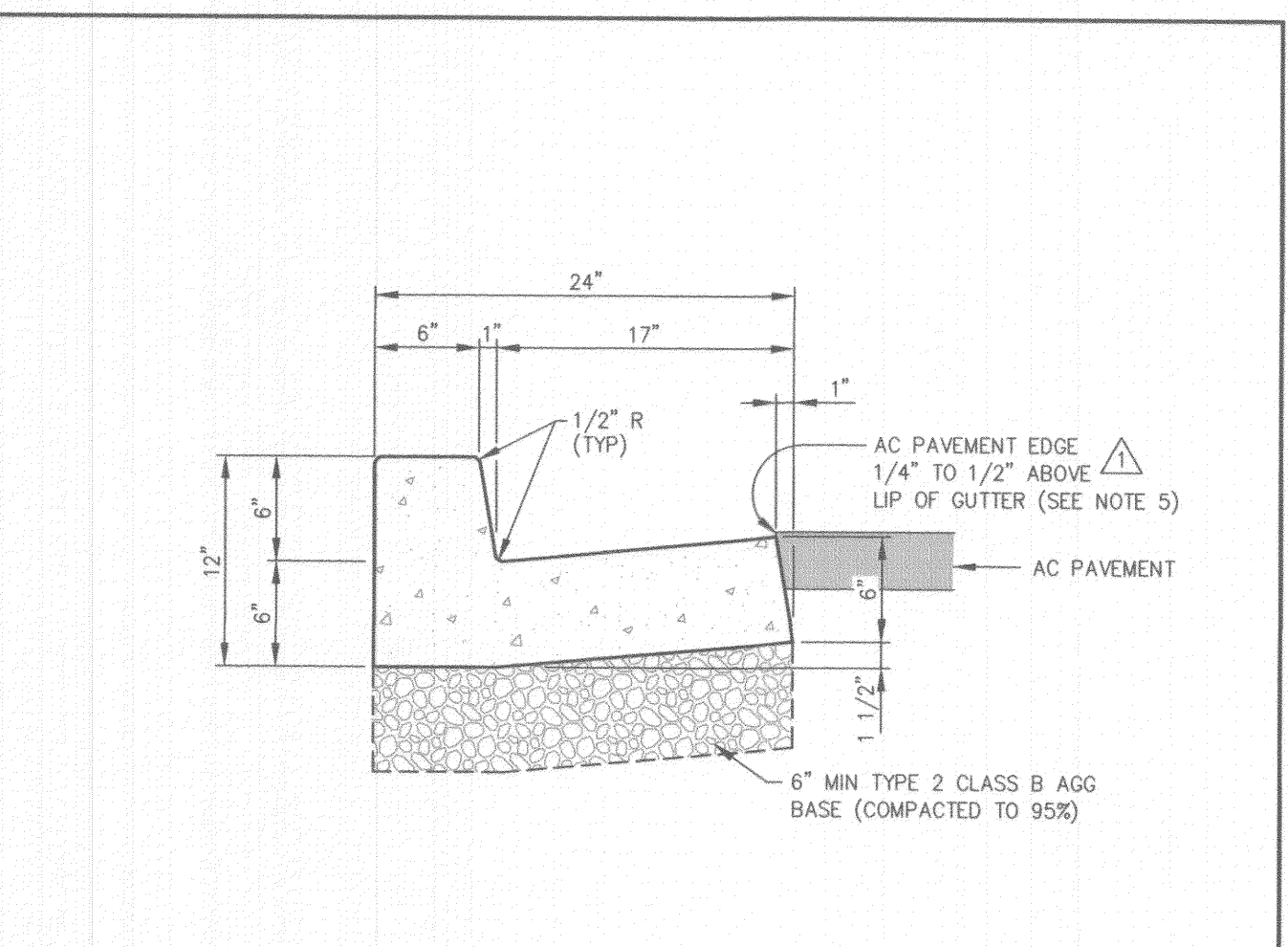
- NOTES:**
- ALL CONCRETE EDGING AND JOINTING SHALL CONFORM TO SECTION 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
 - AFTER PRELIMINARY TROWELING, THE CONCRETE SHALL BE PARTED TO A DEPTH OF 2 INCHES WITH A STRAIGHTEDGE. THE CONCRETE SHALL THEN BE REFLATED TO FILL THE 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
1	ADD NOTE 2	5/14		
APPROVED BY: [Signature]				DATE: 5/2014



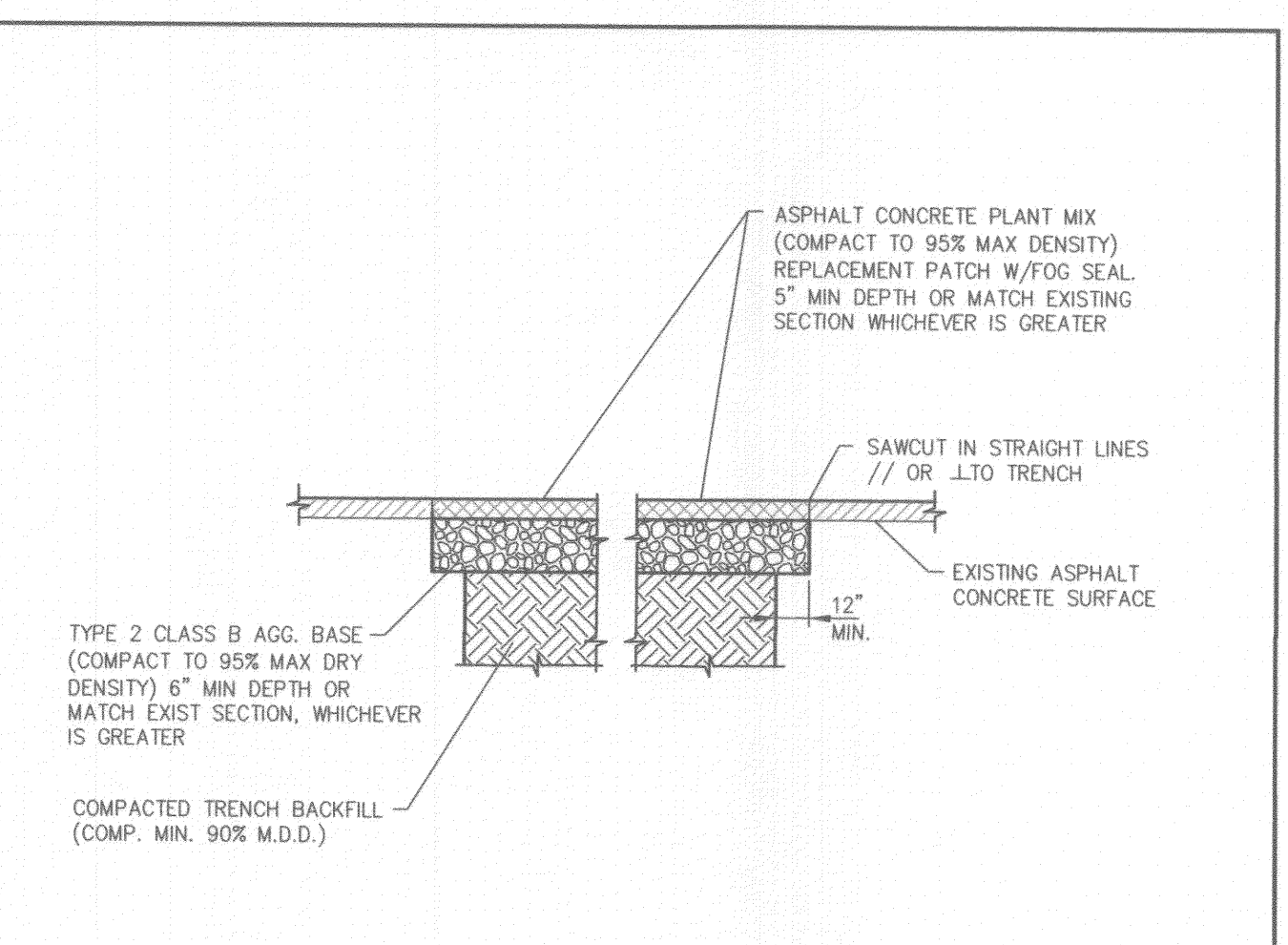
- NOTES:**
- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±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
APPROVED BY: [Signature]				DATE: 7/09



- 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
1	AC LIP	06/12		
2	NOTE 5	05/14		
APPROVED BY: [Signature]				DATE: 05/14



- 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.

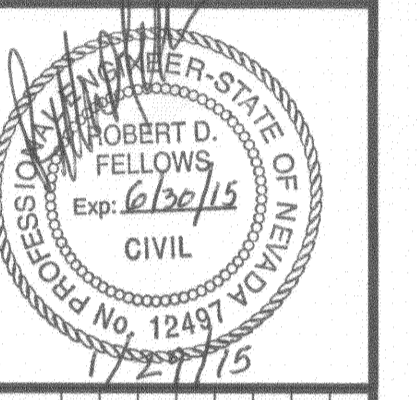
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	5' AC DEPTH	09/11		
APPROVED BY: [Signature]				DATE: 09/2011

SHEET
C4
 OF
6

BID SET

DESIGNED BY: RF
 DRAWN BY: ED
 CHECKED BY: RF
 DWG NO.: SD-KINGSWALL-BS1
 SCALE (HORIZ): N.T.S.
 SCALE (VERT): X=XX
 PLOT DATE: 2015 JAN 29

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



NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
BY	APP'D			
DESCRIPTION				
REV	DATE			

**KINGS CANYON RD
 DRAINAGE & PEDESTRIAN IMPROVEMENTS
 PROJECT No. 06-1303**

DETAILS

SHEET
C5
 OF
6
 BID SET

1. NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY CARSON CITY ENGINEERING DIVISION.

2. 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. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

3. 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).

4. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. A MINIMUM LANDING OF 5 FEET X 5 FEET CLEAR IS REQUIRED WHEN DIRECTION OF TRAVEL MAY CHANGE. A MINIMUM OF 4 FEET CLEAR IS MAY BE USED UPON APPROVAL OF THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR WHERE DIRECTION OF TRAVEL IS NOT EXPECTED TO CHANGE.

5. WHEN A CROSSWALK IS SERVICED BY RAMP, LANDINGS SHALL BE CONTAINED WITHIN THE CROSSWALK AREA.

6. EXISTING CONCRETE SHALL BE REMOVED TO A NEAT SAWCUT LINE OR NEAREST EXPANSION JOINT.

7. PLANTMIX BITUMINOUS SURFACE SHALL BE FLUSH WITH THE EDGE OF THE GUTTER PAN IN THE AREA OF THE CURB RAMP. GUTTER SHALL MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING.

8. 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).

9. NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.

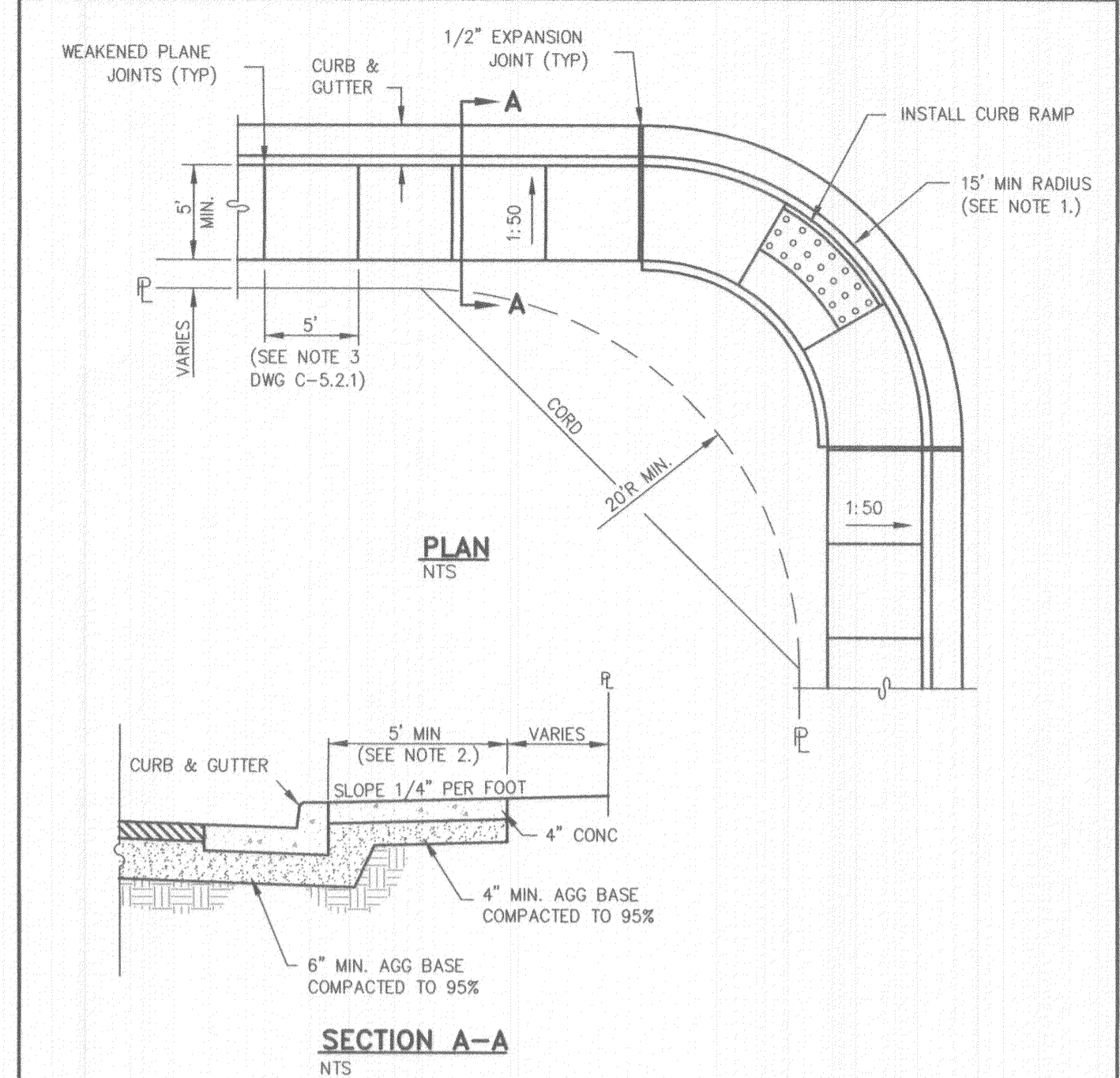
10. DETECTABLE WARNINGS SHALL BE EAST JORDAN IRON WORKS 7005 SERIES CAST IRON DETECTABLE WARNING PLATES OR APPROVED EQUAL. INSTALLED PER MANUFACTURERS INSTALLATION GUIDELINES AND CONFORM TO ADAAG (4.29) "DETECTABLE WARNINGS". COLOR: ASPHALT DIPPED UNLESS OTHERWISE APPROVED BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. RADIAL DETECTABLE WARNINGS SHALL BE USED WHEN REQUIRED TO MAINTAIN MINIMUM CLEARANCE OF 3 INCHES AND MAXIMUM CLEARANCE OF 8 INCHES FROM DETECTABLE WARNINGS TO BACK FACE OF CURB. RADIAL DETECTABLE WARNINGS SHALL HAVE A RADIUS WITHIN 5 FEET OF BACK FACE OF CURB RADIUS.

11. AC PAVEMENT EDGE SHALL BE 1/4 INCH TO 1/2 INCH ABOVE THE LIP OF GUTTER. EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP OR WITHIN AN ACCESSIBLE ROUTE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
NOTE 11		6/12		CARSON CITY
				DRAWING NO. C-5.3.1
				DATE 6/2012

**CURB RAMP
 GENERAL NOTES**

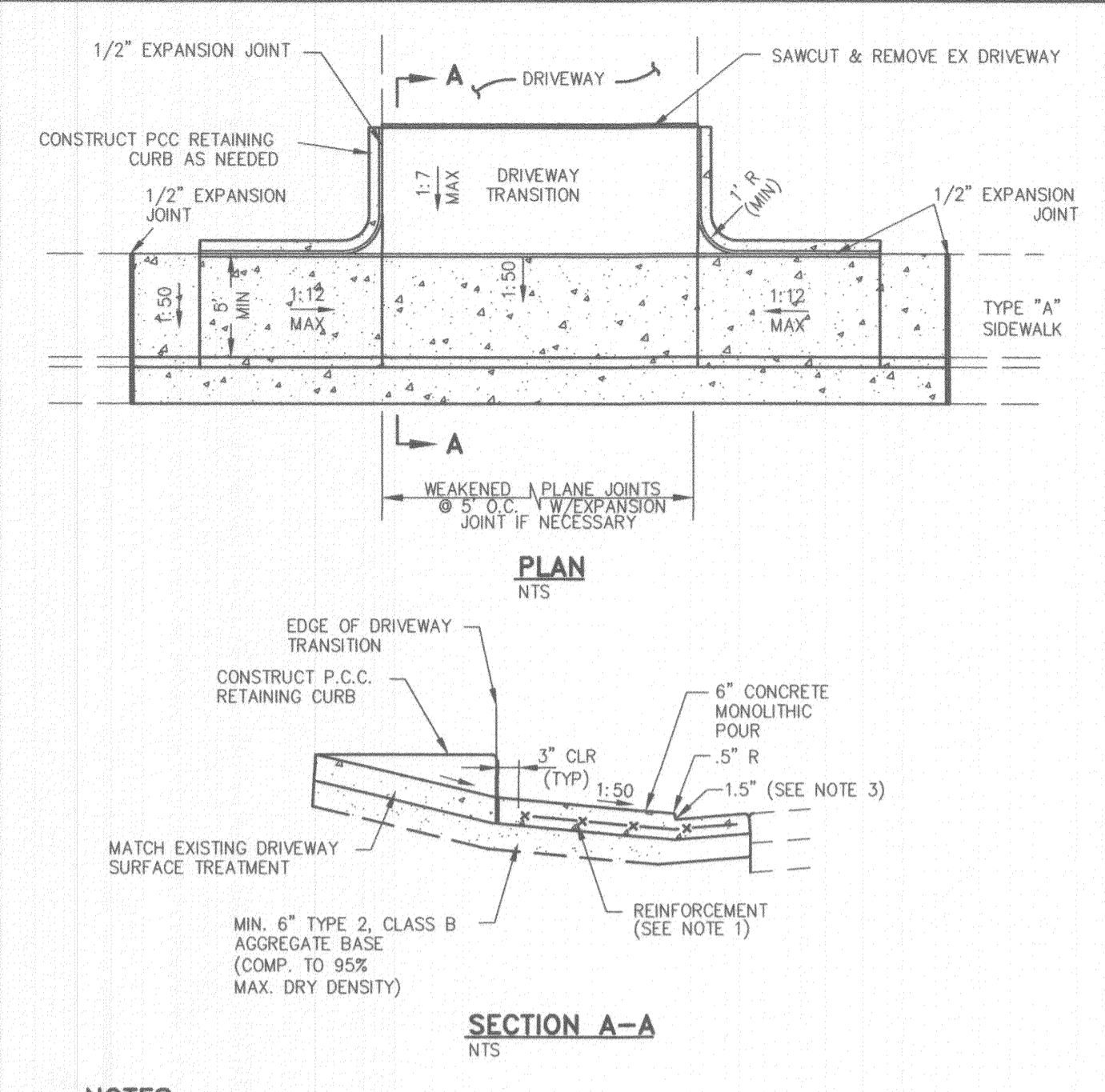
APPROVED BY: [Signature] 6/12



NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-5.2.2
				DATE 7/2009

TYPE "A" SIDEWALK

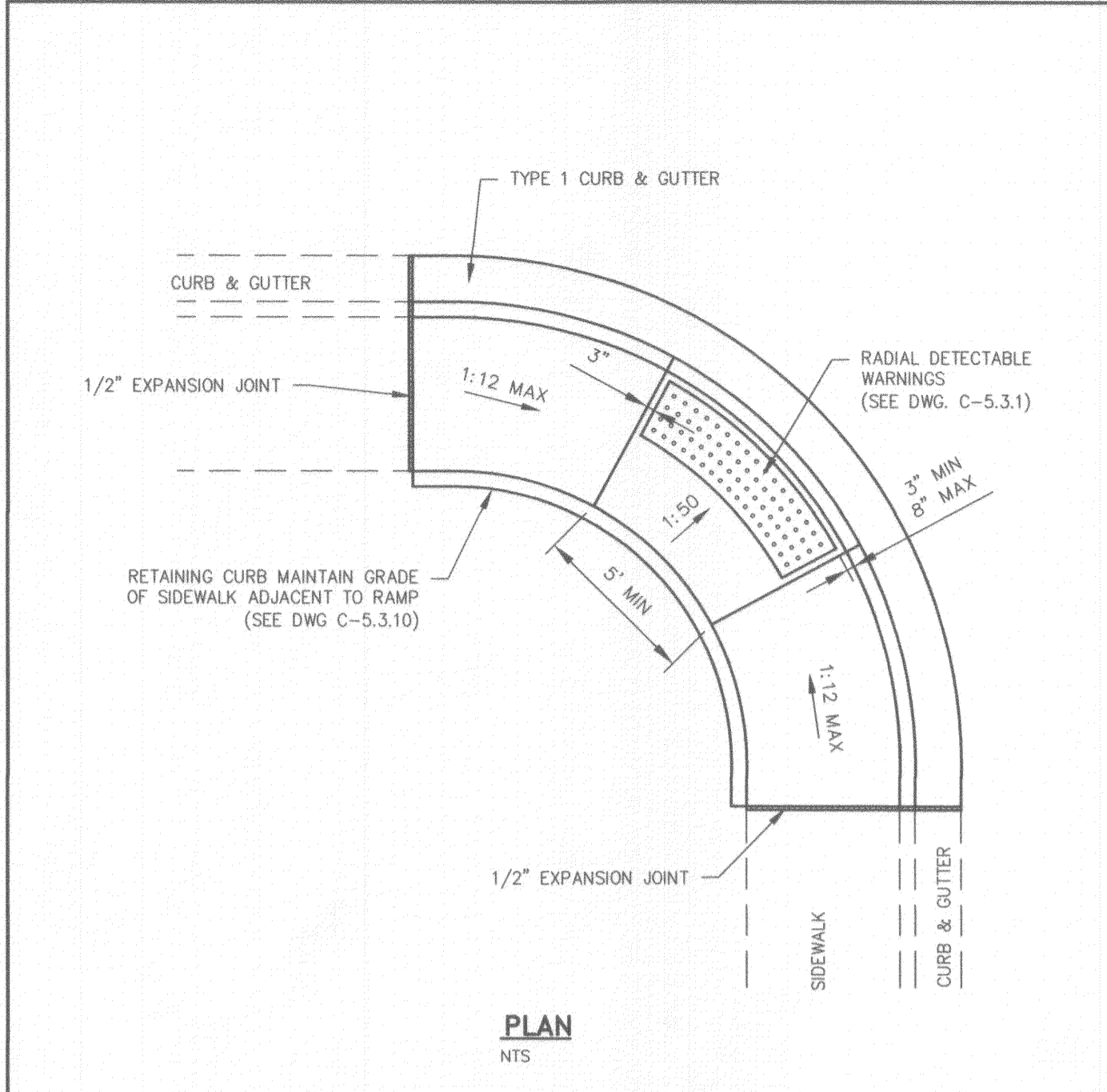
APPROVED BY: [Signature] 7/09



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

**P.C.C. DRIVEWAY APRON
 TYPE 1**

APPROVED BY: [Signature] 05/14



NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-5.3.5
				DATE 7/2009

**PARALLEL CURB RAMP
 APEX**

APPROVED BY: [Signature] 7/09

1. ALL SEWER MAINS AND LATERALS IN THE RIGHT-OF-WAY/EASEMENT SHALL BE PVC SDR35 UNLESS OTHERWISE NOTED.

2. NON-FLEXIBLE TRANSITION COUPLINGS ARE REQUIRED WHEN CONNECTING NEW SEWER LINES TO EXISTING LINES AND/OR FITTINGS, SEE DWG. C-2.1.6.

3. THE CONTRACTOR SHALL INSTALL A PLUG AT THE POINT OF EXTENSION OF A SEWER MAIN PRIOR TO THE START OF CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL ALL LINES HAVE BEEN INSPECTED, TESTED, CLEANED AND FLUSHED. REMOVAL OF THE PLUG BY THE CONTRACTOR PRIOR TO APPROVAL IS A VIOLATION OF THE CARSON CITY MUNICIPAL CODE AND MAY RESULT IN FINES UP TO \$1,000 A DAY.

4. SEWER LINES SHALL BE TESTED PER SECTION 336.03.07 OF THE SSPWC AS ADOPTED BY CARSON CITY. AN AIR PRESSURE TEST PER SECTION 336.03.07.04 AND A DEFLECTION TEST PER SECTION 336.03.09 OF THE CARSON CITY AMENDMENT TO THE SSPWC SHALL BE PERFORMED ON ALL SEWER LINES.

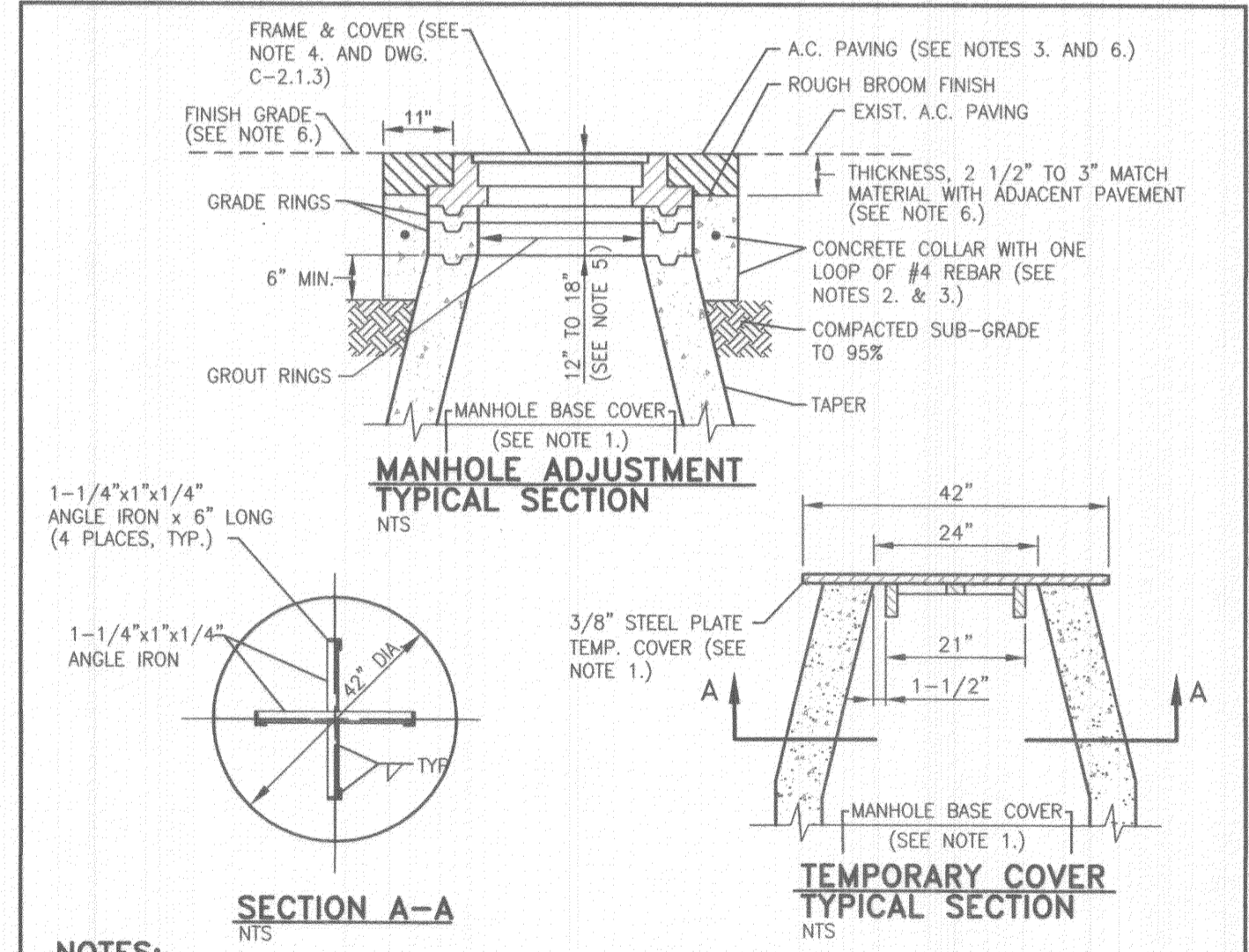
5. MARKING TAPE SHALL BE INSTALLED 12 INCHES ABOVE ALL SEWER MAINS AND LATERALS. TAPE WIDTH SHALL BE 3 INCHES. THICKNESS SHALL BE FOUR MIL OR GREATER AND SHALL BE GREEN AND BEAR LARGE PRINTING DENOTING "CAUTION BURIED SEWER LINE BELOW" OR EQUIVALENT WORDING.

6. TRACER WIRE SHALL BE ATTACHED TO ANY SEWER LATERAL WHICH IS NOT PERPENDICULAR TO THE SEWER MAIN. SEE DWG C-2.2.1

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-2.1.1 (204, 306, 323)
				DATE 7/2009

SEWER GENERAL NOTES

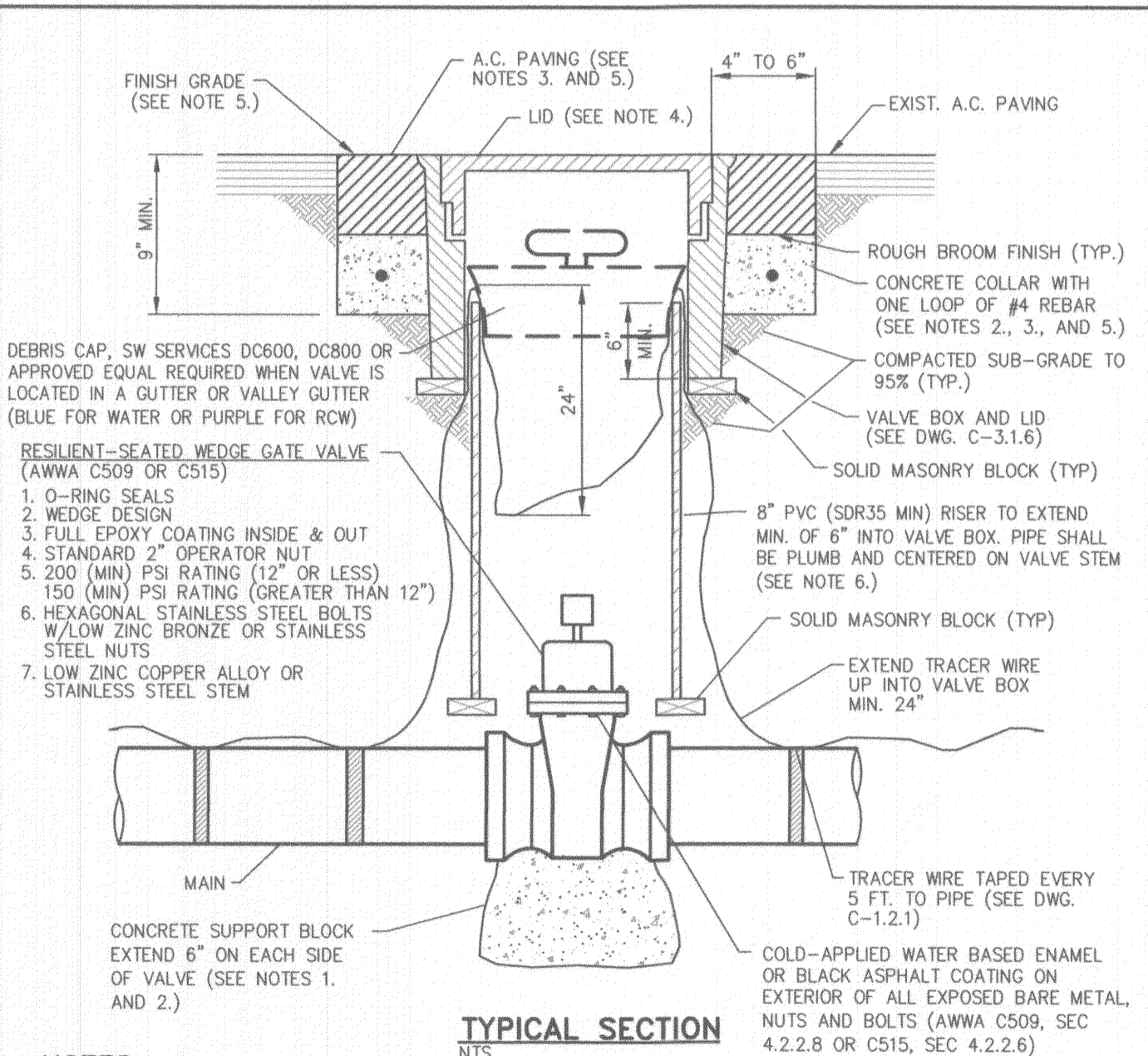
APPROVED BY: [Signature] 07/09



NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-2.1.5 (204, 323)
				DATE 7/2009

**MANHOLE FRAME & COVER
 ADJUSTMENT**

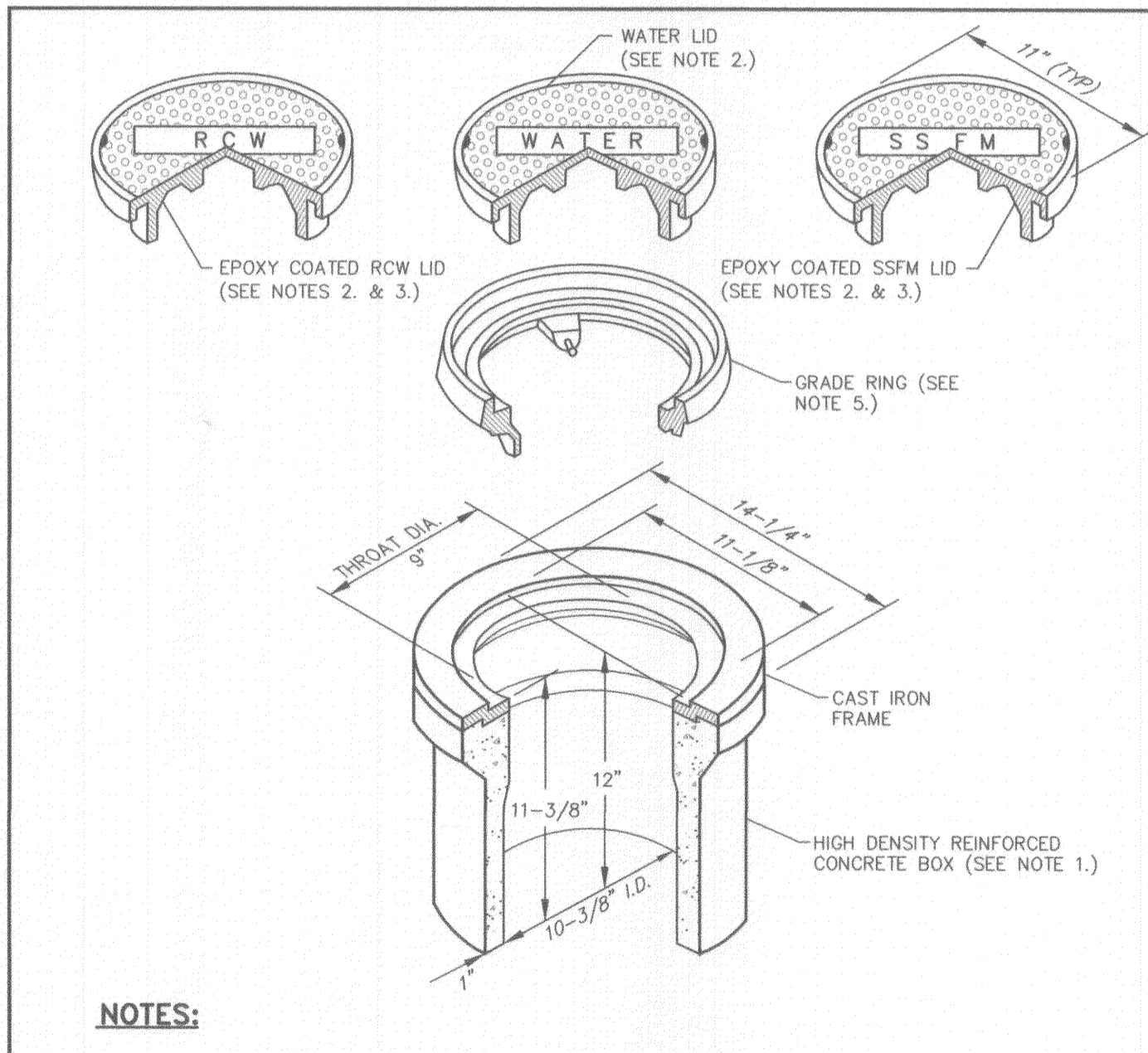
APPROVED BY: [Signature] 7/09



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

GATE VALVE

APPROVED BY: [Signature] 07/09

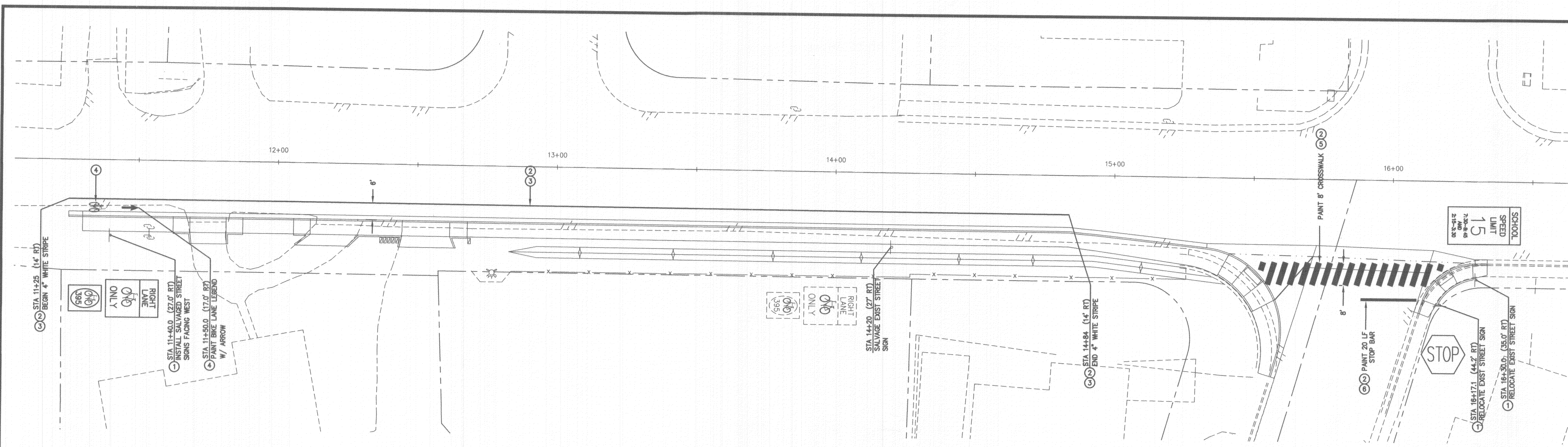


NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO. C-3.1.6 (203,306,307)
				DATE 7/2009

VALVE BOX & LID

APPROVED BY: [Signature] 07/09

I:\CAPITAL PROJECTS\061303 Kings Canyon Rd\DWG\06-1303-05.dwg



KINGS CANYON RD - STRIPING PLAN

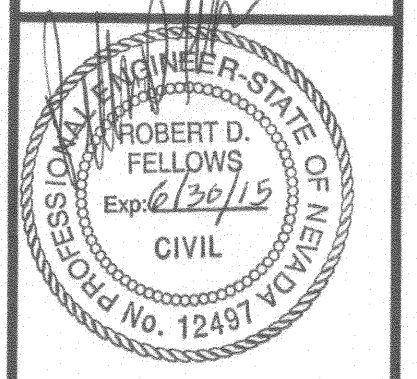
SCALE: 1" = 20'

CONSTRUCTION NOTES

1. INSTALL STREET SIGN PER STANDARD DETAIL C-5.4.2.
2. REMOVE EXISTING STRIPING WITH GRINDER
3. PAINT 4" WHITE STRIPE
4. PLACE BIKE LANE LEGEND W/ ARROW PER DETAIL 1 SHEET C6.
5. PAINT CROSSWALK PER STANDARD DETAIL C-5.4.3.
6. PAINT 12" STOP BAR PER STANDARD DETAIL C-5.4.3.

DESIGNED BY: RF
 DRAWN BY: BD
 CHECKED BY: RF
 DWG NO.: SD-KINGSWALL-B51
 SCALE (HORIZ): N.T.S.
 SCALE (VERT): 1"=XX'
 PLOT DATE: 2015 JAN 29

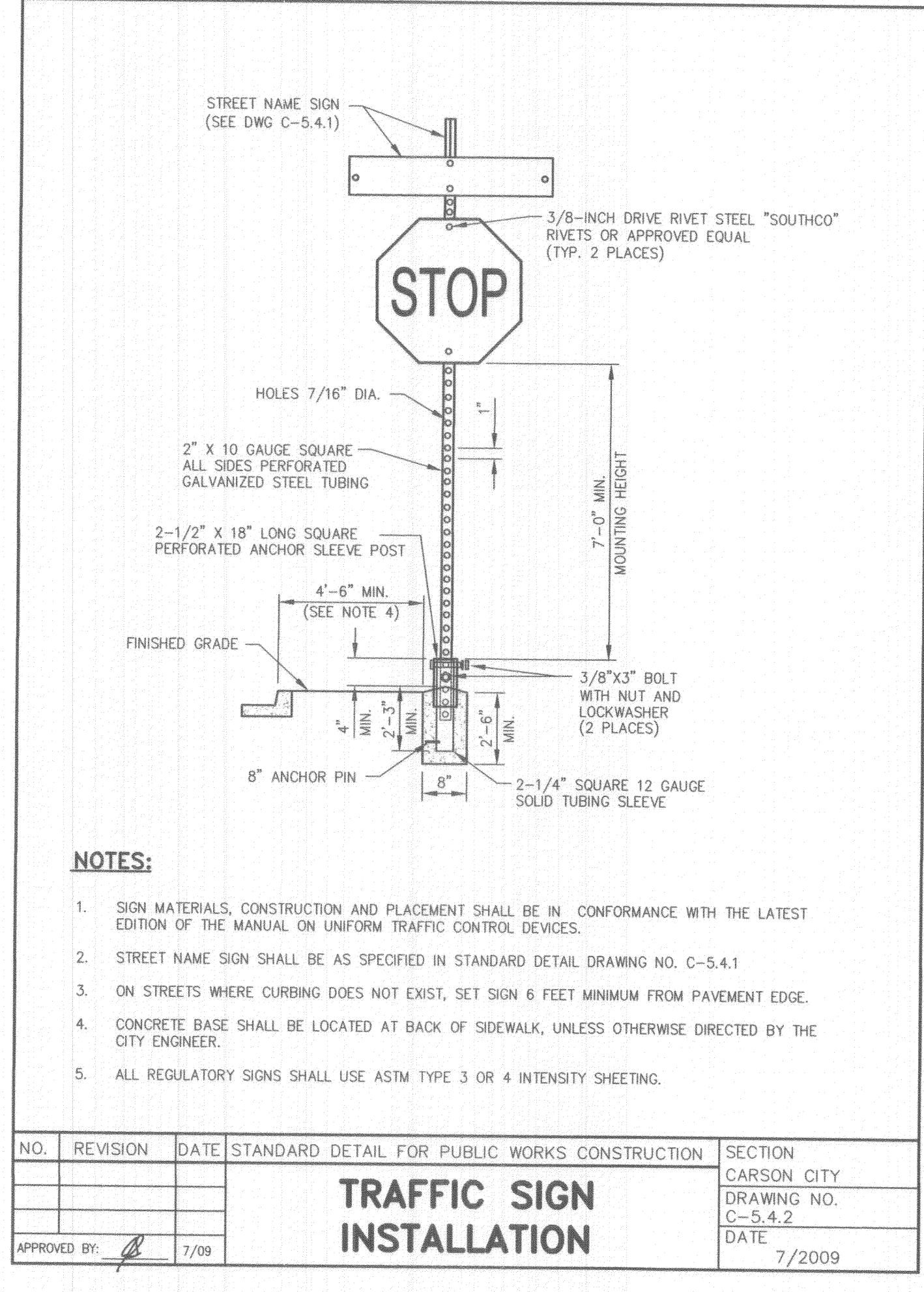
**CARSON CITY
 PUBLIC WORKS DEPARTMENT**
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 775-887-2355 FAX: 775-887-2112



REV.	DATE	DESCRIPTION	BY	APP'D

**KINGS CANYON RD
 DRAINAGE & PEDESTRIAN IMPROVEMENTS
 PROJECT No. 06-1303**

STRIPING PLAN



NOTES:

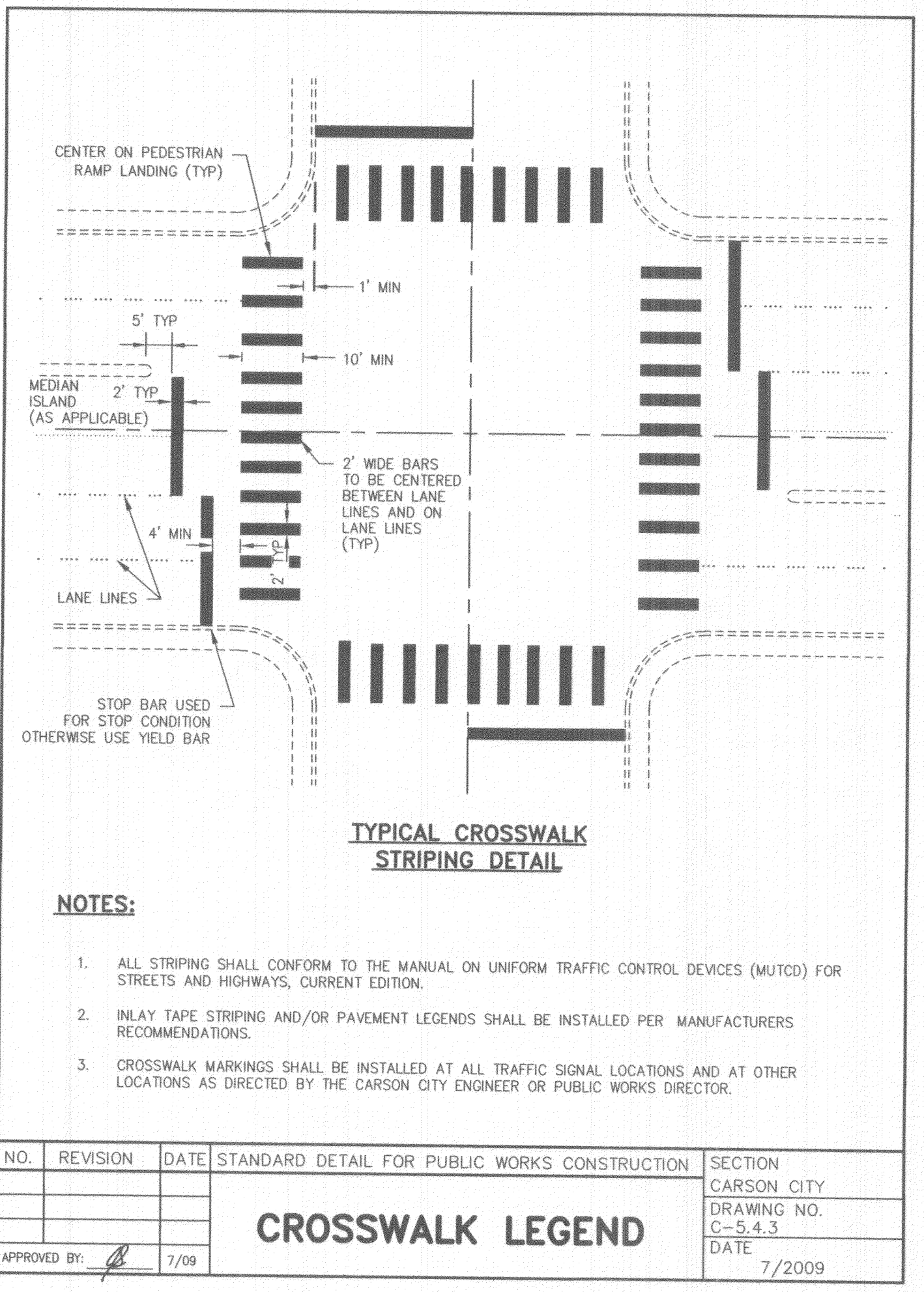
1. SIGN MATERIALS, CONSTRUCTION AND PLACEMENT SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. STREET NAME SIGN SHALL BE AS SPECIFIED IN STANDARD DETAIL DRAWING NO. C-5.4.1
3. ON STREETS WHERE CURBING DOES NOT EXIST, SET SIGN 6 FEET MINIMUM FROM PAVEMENT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

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

TRAFFIC SIGN INSTALLATION

APPROVED BY: [Signature] 7/09

CARSON CITY
 DRAWING NO. C-5.4.2
 DATE 7/2009



TYPICAL CROSSWALK STRIPING DETAIL

NOTES:

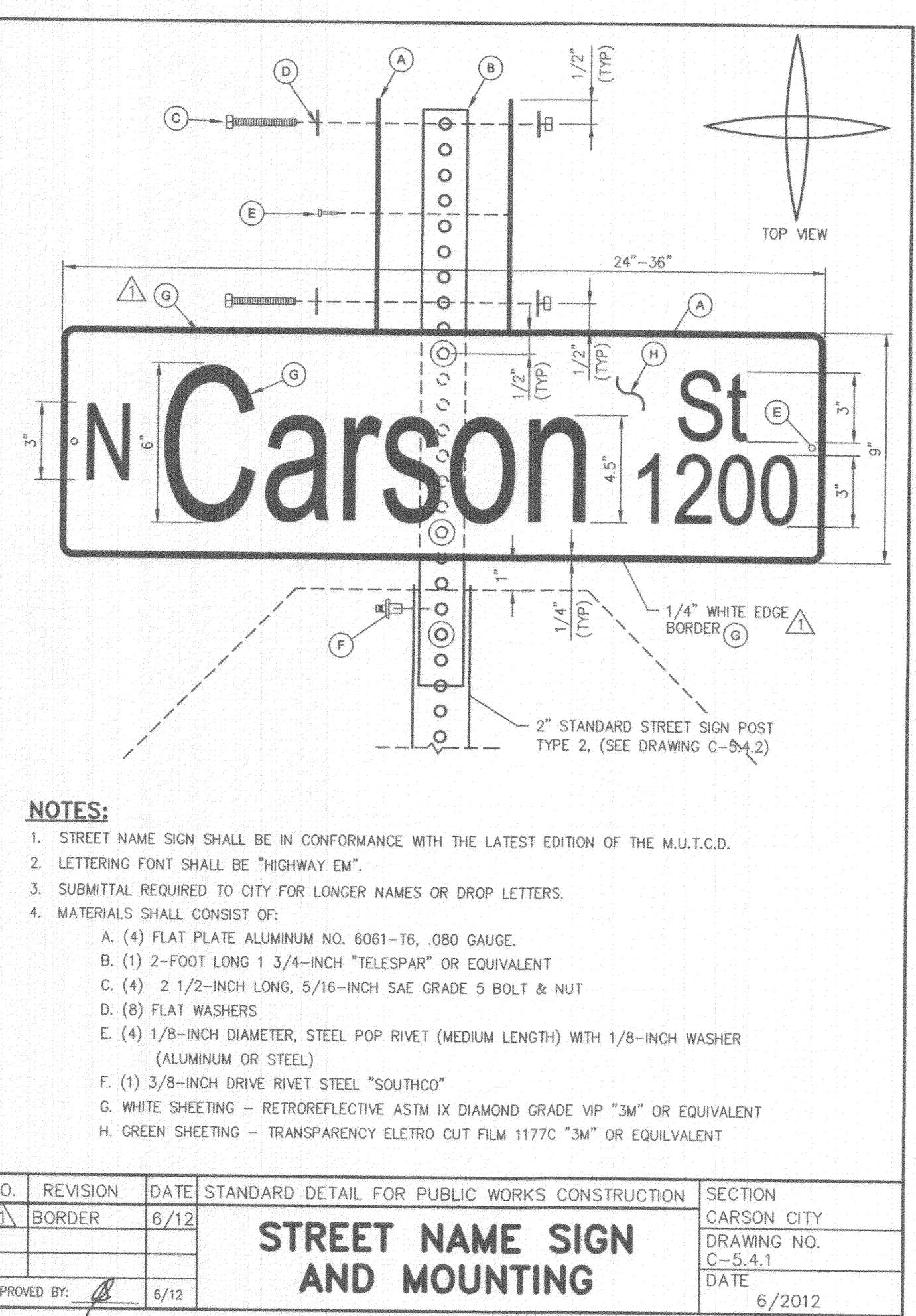
1. ALL STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, CURRENT EDITION.
2. INLAY TAPE STRIPING AND/OR PAVEMENT LEGENDS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
3. CROSSWALK MARKINGS SHALL BE INSTALLED AT ALL TRAFFIC SIGNAL LOCATIONS 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

CROSSWALK LEGEND

APPROVED BY: [Signature] 7/09

CARSON CITY
 DRAWING NO. C-5.4.3
 DATE 7/2009



NOTES:

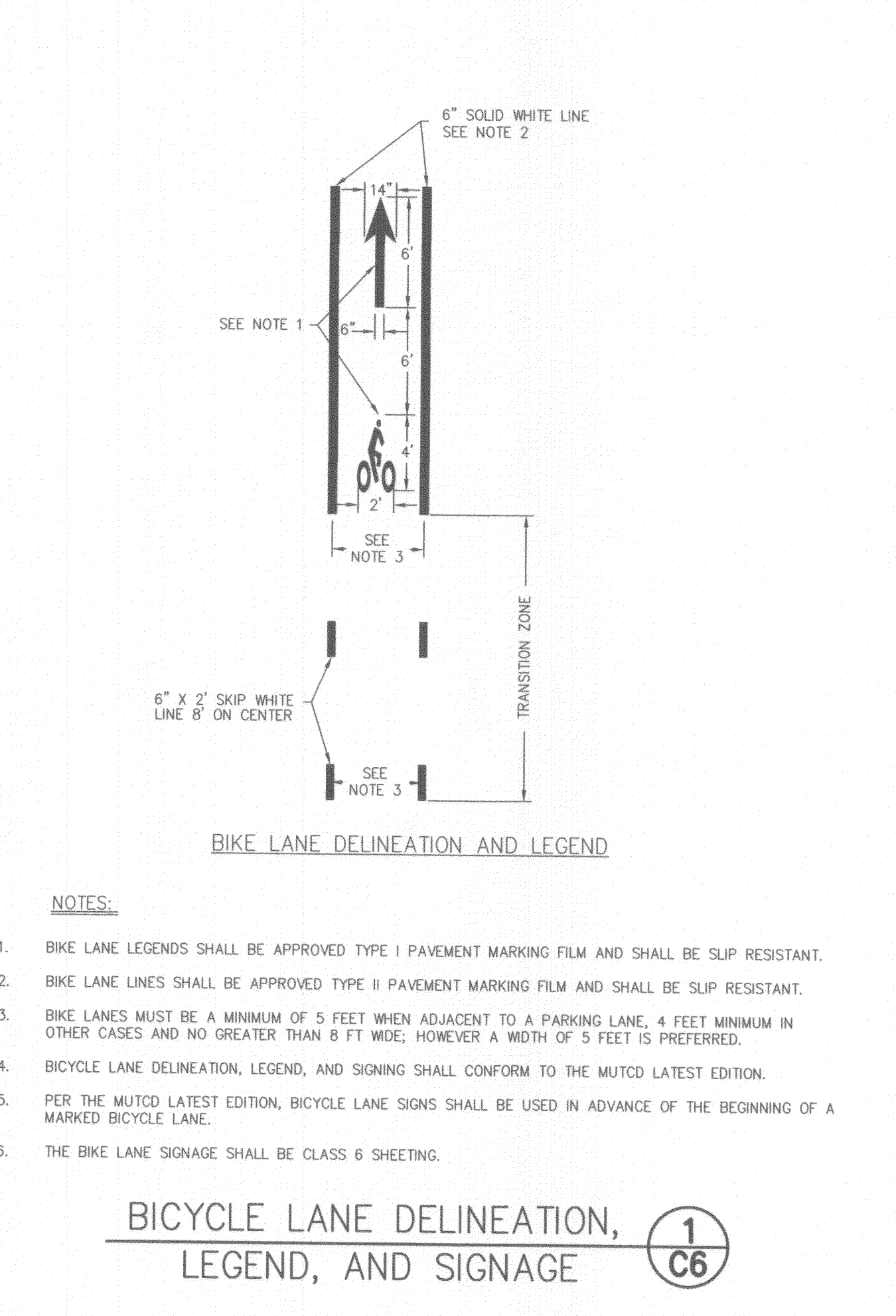
1. STREET NAME SIGN SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE M.U.T.C.D.
2. LETTERING FONT SHALL BE "HIGHWAY EM".
3. SUBMITTAL REQUIRED TO CITY FOR LONGER NAMES OR DROP LETTERS.
4. MATERIALS SHALL CONSIST OF:
 - A. (4) FLAT PLATE ALUMINUM NO. 6061-T6, .080 GAUGE.
 - B. (1) 2-FOOT LONG 1 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 WIP "3M" OR EQUIVALENT
 - H. GREEN SHEETING - TRANSPARENCY ELETRO CUT FILM 1177C "3M" OR EQUIVALENT

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION

STREET NAME SIGN AND MOUNTING

APPROVED BY: [Signature] 6/12

CARSON CITY
 DRAWING NO. C-5.4.1
 DATE 6/2012



NOTES:

1. BIKE LANE LEGENDS SHALL BE APPROVED TYPE I PAVEMENT MARKING FILM AND SHALL BE SLIP RESISTANT.
2. BIKE LANE LINES SHALL BE APPROVED TYPE II PAVEMENT MARKING FILM AND SHALL BE SLIP RESISTANT.
3. BIKE LANES MUST BE A MINIMUM OF 5 FEET WHEN ADJACENT TO A PARKING LANE, 4 FEET MINIMUM IN OTHER CASES AND NO GREATER THAN 6 FT WIDE, HOWEVER A WIDTH OF 5 FEET IS PREFERRED.
4. BICYCLE LANE DELINEATION, LEGEND, AND SIGNING SHALL CONFORM TO THE MUTCD LATEST EDITION.
5. PER THE MUTCD LATEST EDITION, BICYCLE LANE SIGNS SHALL BE USED IN ADVANCE OF THE BEGINNING OF A MARKED BICYCLE LANE.
6. THE BIKE LANE SIGNAGE SHALL BE CLASS 6 SHEETING.

BICYCLE LANE DELINEATION, LEGEND, AND SIGNAGE

1 OF C6

LOCAL PROJECT #P0600001303.dwg/SD/2015/06/29/09:33:00/RF/BD

BID SET

SHEET
C6
 OF
 6