

SAFE ROUTE TO SCHOOL HELLS BELLS ROAD PEDESTRIAN IMPROVEMENTS

CARSON CITY, NEVADA
PROJECT 3.1206

BOARD OF SUPERVISORS

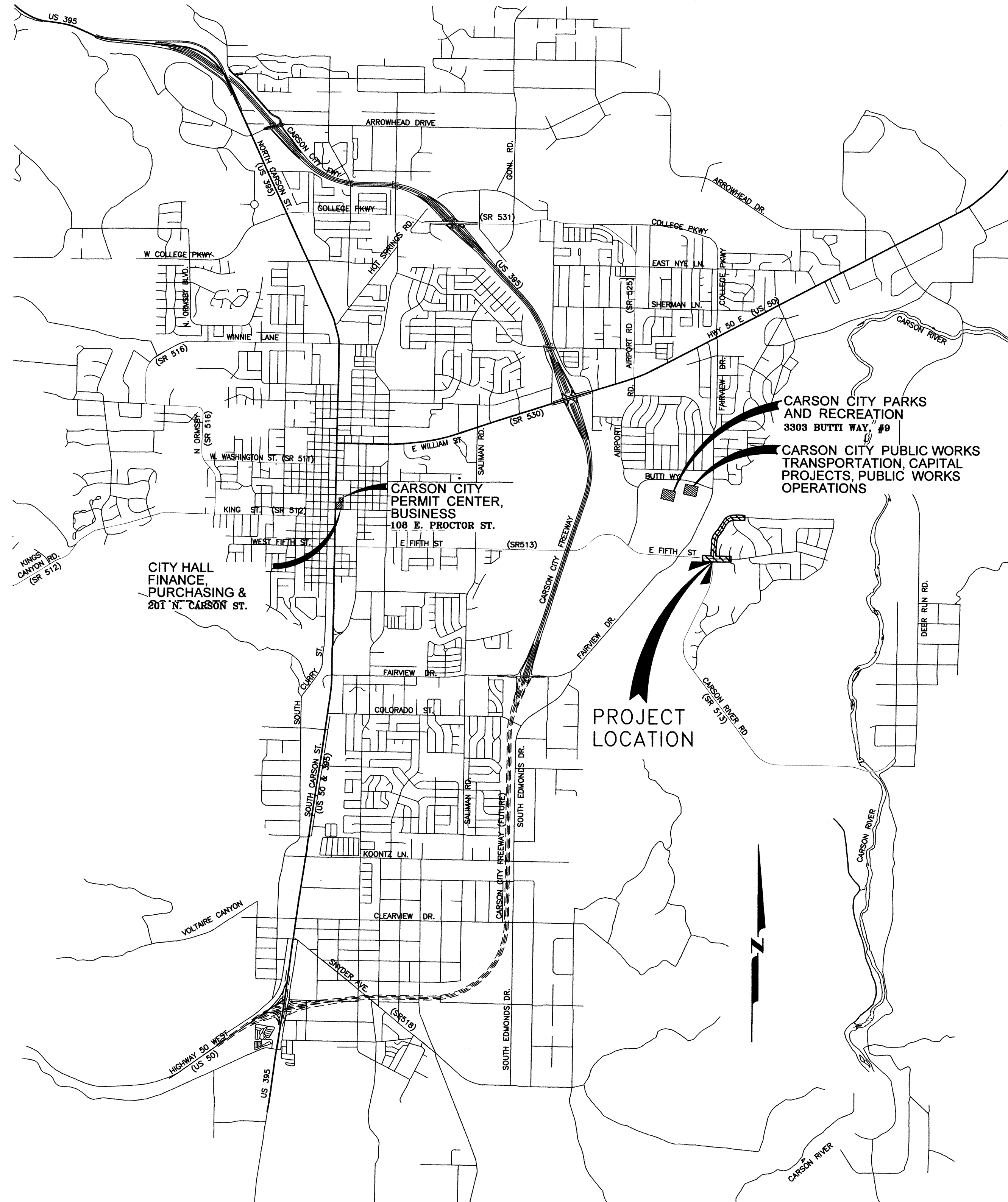
Bob Crowell	Mayor
Karen Abowd	Supervisor
Shelly Aldean	Supervisor
John McKenna	Supervisor
Molly Walt	Supervisor
Alan Glover	City Clerk

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 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 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).
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THESE LOCATIONS AT THE PROPOSED POINTS OF CONNECTIONS AND IN AREAS OF POSSIBLE CONFLICT WITH NEW UTILITY INSTALLATION. PRIOR TO BEGINNING CONSTRUCTION, POtholing IS REQUIRED. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES BETWEEN THE CONDITIONS EXISTING IN THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS, HE SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- 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.



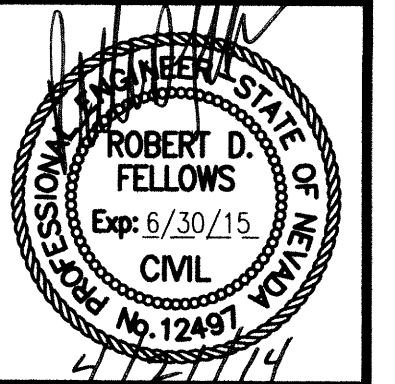
VICINITY MAP
N.T.S.

SHEET INDEX

- G1 TITLE SHEET
- G2 LEGEND, ABBREVIATIONS & NOTES
- G3 HORIZONTAL CONTROL
- G4 STORM WATER POLLUTION PREVENTION PLAN
- C1 EAST FIFTH STREET - PLAN & PROFILE
- C2 to C4 HELLS BELLS ROAD - PLAN & PROFILE
- C5 to C7 CONSTRUCTION DETAILS

DESIGNED BY: RF
DRAWN BY: DLO
CHECKED BY: RF
DWG NO.: HB_SRS-15-04g
SCALE (HORIZ): 1"=50'
SCALE (VERT): N/A
PLOT DATE: 4/17/14

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



REV.	DATE	DESCRIPTION	BY	APP'D

SAFE ROUTE TO SCHOOL
HELLS BELLS PEDESTRIAN IMPROVEMENTS
PROJECT No. 03.1206
TITLE SHEET

100% PLANS



SHEET
G1
OF
11

APPLICATION NO. _____

FEDERAL PROJECT NUMBER: SI-0025(022)
NDOT PROJECT NUMBER: 73740
FOR BIDDING PURPOSES ONLY

LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED
			DRAINAGE SWALE
			GAS LINE
			GAS METER
			GAS VALVE
			OVERHEAD POWER
			UTILITY POLE
			ELECTRIC MANHOLE
			TELEPHONE LINE
			TELEPHONE MANHOLE
			FIBER OPTIC LINE
			LUMINAIRE
			LIGHT POLE
			SIGN
			CONTOUR LINES
			SPOT ELEVATION
			TREES
			PCC CURB & GUTTER TYPE 1
			GLUE DOWN CURB
			AC PAVEMENT
			PCC PAVEMENT
			FENCE LINE
			ROCK SLOPE STABILIZATION

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALTO CONCRETE
ACP	ASBESTOS CEMENT PIPE
APN	ASSESSORS' PARCEL NUMBER
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
BVC	BEGIN VERTICAL CURVE
CATV	CABLE TV
CB	CATCH BASIN
CL	CENTER LINE, CLASS
CONC	CONCRETE
C&G	CURB & GUTTER
DI	DROP INLET
DIA.	DIAMETER
DTL	DETAIL DRAWING
DWG	DRAWING
E	EAST
EA	EACH
EL.	ELEVATION
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EX	EXISTING
FES	FLARED END SECTION
FG	FINISH GRADE
FL	FLOWLINE
FT	FEET
G	GAS
GV	GAS VALVE/GATE VALVE
HORIZ	HORIZONTAL
HP	HIGH POINT
IE	INVERT ELEVATION
IRR, IRRG	IRRIGATION LINE
L	LENGTH
LF	LINEAL FEET
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MJ	MECHANICAL JOINT
MIN	MINIMUM
N	NORTH
NTS	NOT TO SCALE
PCC	POINT OF CURVATURE
PE	POLYETHYLENE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PRV	PRESSURE REDUCING VALVE
PT	POINT OF TANGENCY
PVC	POLYVINYLCHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
RT	RIGHT
S	SLOPE, SOUTH
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET
SHT	SHEET
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
STL	STEEL
T	TELEPHONE
TOC	TOP OF CURB
TYP	TYPICAL
U/G	UNDERGROUND
USE	UNDERGROUND ELECTRIC
VC	VERTICAL CURVE
W	WEST, WATER
W/O	WITHOUT
WV	WATER VALVE

- 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.

- NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY CARSON CITY ENGINEERING DIVISION.
- 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 YARDS 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 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.
- WHEN A CROSSWALK IS SERVICED BY RAMP, LANDINGS SHALL BE CONTAINED WITHIN THE CROSSWALK AREA.
- EXISTING CONCRETE SHALL BE REMOVED TO A NEAT SAWCUT LINE OR NEAREST EXPANSION JOINT.
- PLANT MIX 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.
- 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.
- 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.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO.
				C-5.2.1
				DATE
				7/2009

SIDEWALK AND DRIVEWAY GENERAL NOTES

APPROVED BY: [Signature] 7/09

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO.
				C-5.3.1
				DATE
				7/2009

CURB RAMP GENERAL NOTES

APPROVED BY: [Signature] 7/09

CONSTRUCTION NOTES (Master List):

- INSTALL 7' SIDEWALK, CURB & GUTTER PER DTL A, SHT C5. SAWCUT AND REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
- INSTALL 7' SIDEWALK & 6' BUFFER PER DTL B, SHT C5.
- INSTALL 7' SIDEWALK PER DTL C, SHT C5.
- INSTALL 7' SIDEWALK, CURB & GUTTER WITH 6' BUFFER PER DTL D, SHT C5. SAWCUT AND REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
- INSTALL PERPENDICULAR CURB RAMP APEX PER STD DTL C5.3.3. SAWCUT AND REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
- INSTALL MODIFIED MID BLOCK CURB RAMP PER DTL 1, SHT C6 AND STD DTL C5.3.9. SAWCUT AND REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
- INSTALL LINEAR CURB RAMP PER STD DTL C5.3.8. SAWCUT AND REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
- INSTALL PCC DRIVEWAY APRON TYPE 1 PER STD DTL C-5.2.3. SAWCUT AND REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
- INSTALL CONC. SIDEWALK EXTENSION ONTO EXISTING SIDEWALK FOR A 7' WIDE FINISHED SIDEWALK PER DTL A, SHT C6.
- INSTALL 7' SIDEWALK, CURB & GUTTER PER DTL B, SHT C6. SAWCUT & REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
- RECONSTRUCT ASPHALT PATHWAY PER DTL C, SHT C6.
- INSTALL STORM DRAIN PIPE PER STD DWG C-1.2.1 (SIZE AND CLASS PER PLAN).
- CONSTRUCT CATCH BASIN TYPE 4-R PER STD DTL C-4.1.5.
- CONSTRUCT STORM DRAIN MANHOLE PER STD DTL C-4.1.1.
- CONSTRUCT SIDEWALK CROSS DRAIN PER STD DTL C-4.1.8.
- CONSTRUCT ROCK-LINED DRAINAGE CHANNEL PER DTL D, SHT C6.
- INSTALL UNDAMAGED SIGN & POST PER STD DWG C-5.4.2.
- INSTALL UNDAMAGED SIGN & POST PER DETAIL 2, SHT C7.
- PROTECT IN PLACE
- INSTALL 3-RAIL, 5-FT TALL CEDAR SPLIT RAIL FENCE PER DTL 1, SHT C7.
- INSTALL 5' CHAIN LINK FENCE PER DWG NO 1-24.1

NOTES:

- THE CONTRACTOR SHOULD EXPECT TO ENCOUNTER GROUND WATER, OR EXCESS MOISTURE AS SHALLOW AS 24" BELOW FINISH GRADE WHEN PERFORMING TRENCH EXCAVATIONS. THE CONTRACTOR SHOULD EXPECT TO ENCOUNTER LEAKING STORM DRAINS, ROCK FILL ROADWAY STABILIZATION AND POOR QUALITY SUPPORT SOILS WHEN PERFORMING TRENCH EXCAVATIONS.
- ALL TRENCH BEDDING, BACKFILL, STRUCTURAL FILL AND AGGREGATE BASE SHALL BE IMPORTED TO THE PROJECT SITE FROM A SOURCE, OR SOURCES, APPROVED BY THE CONSTRUCTION MANAGER. USE OF MATERIALS EXCAVATED AT THE PROJECT SITE WILL NOT BE ALLOWED. ALL EXCAVATED MATERIALS ARE TO BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF AS SPECIFIED IN SUBSECTIONS 7.7.3.8 DISPOSAL OF MATERIALS AND 7.7.4.1 HAUL ROUTES, OF THE GENERAL CONDITIONS AND ANY AMENDMENTS CONTAINED HEREIN.

EARTHWORK QUANTITIES

CUT: 167 CU. YD
 FILL: 170 CU. YDS.
 CUMULATIVE: 3 CU. YDS. FILL

100% PLANS

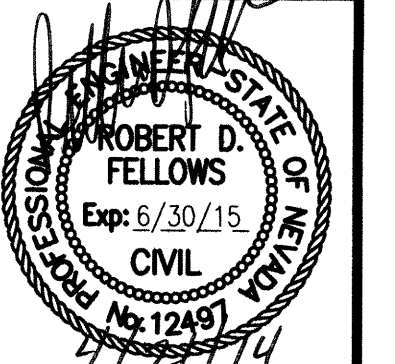
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
				DRAWING NO.
				C-4.1.1
				DATE
				7/2009

STORM DRAIN GENERAL NOTES

APPROVED BY: [Signature] 7/09

DESIGNED BY: RF	DLO
DRAWN BY: DLO	RF
CHECKED BY: RF	HE SPTS-TS-dwg
DWG NO: HE SPTS-TS-dwg	SCALE (HORIZ): 1"=50'
SCALE (VERT): N/A	SCALE (VERT): N/A
DATE: 4/17/14	PLOT DATE: 4/17/14

CARSON CITY PUBLIC WORKS DEPARTMENT



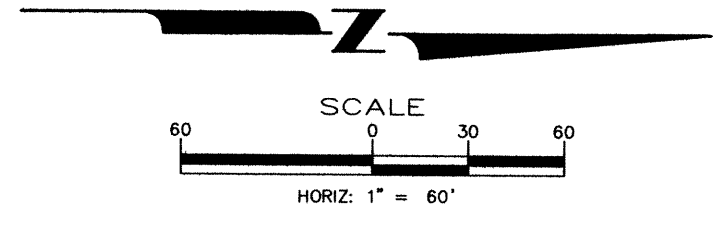
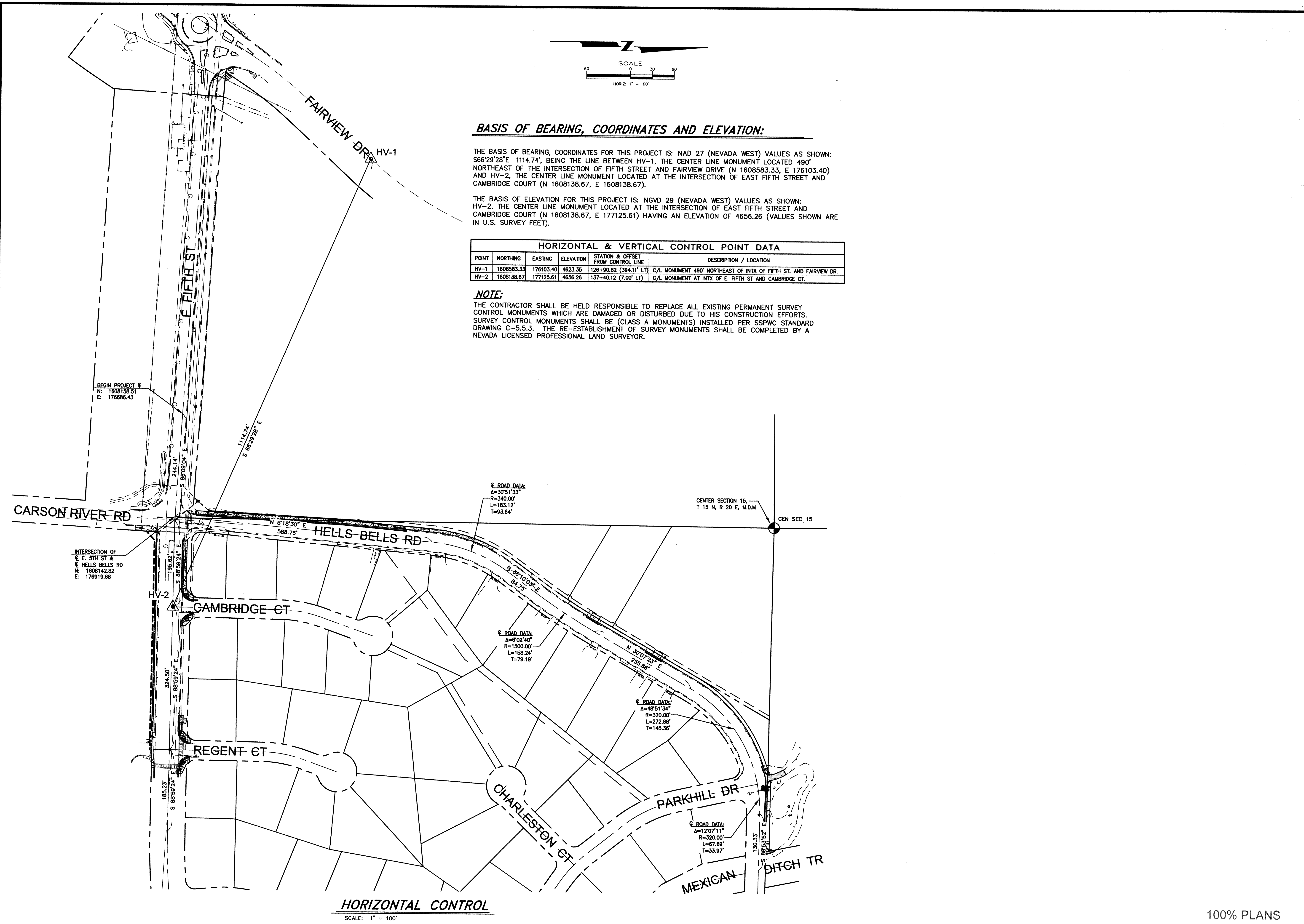
REV.	DATE	DESCRIPTION

SAFE ROUTE TO SCHOOL HELLS BELLS PEDESTRIAN IMPROVEMENTS PROJECT No. 03.1206

LEGEND, ABBREVIATIONS & NOTES

SHEET **G2** OF 11

FEDERAL PROJECT NUMBER: SI-0025(022) NDOT PROJECT NUMBER: 73740 FOR BIDDING PURPOSES ONLY



BASIS OF BEARING, COORDINATES AND ELEVATION:

THE BASIS OF BEARING, COORDINATES FOR THIS PROJECT IS: NAD 27 (NEVADA WEST) VALUES AS SHOWN: S66°29'28"E 1114.74', BEING THE LINE BETWEEN HV-1, THE CENTER LINE MONUMENT LOCATED 490' NORTHEAST OF THE INTERSECTION OF FIFTH STREET AND FAIRVIEW DRIVE (N 1608583.33, E 176103.40) AND HV-2, THE CENTER LINE MONUMENT LOCATED AT THE INTERSECTION OF EAST FIFTH STREET AND CAMBRIDGE COURT (N 1608138.67, E 1608138.67).

THE BASIS OF ELEVATION FOR THIS PROJECT IS: NGVD 29 (NEVADA WEST) VALUES AS SHOWN: HV-2, THE CENTER LINE MONUMENT LOCATED AT THE INTERSECTION OF EAST FIFTH STREET AND CAMBRIDGE COURT (N 1608138.67, E 177125.61) HAVING AN ELEVATION OF 4656.26 (VALUES SHOWN ARE IN U.S. SURVEY FEET).

HORIZONTAL & VERTICAL CONTROL POINT DATA						
POINT	NORTHING	EASTING	ELEVATION	STATION & OFFSET FROM CONTROL LINE	DESCRIPTION / LOCATION	
HV-1	1608583.33	176103.40	4823.35	126+90.82 (394.11' LT)	C/L MONUMENT 490' NORTHEAST OF INTX OF FIFTH ST. AND FAIRVIEW DR.	
HV-2	1608138.67	177125.61	4656.26	137+40.12 (7.00' LT)	C/L MONUMENT AT INTX OF E. FIFTH ST AND CAMBRIDGE CT.	

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 C-5.5.3. THE RE-ESTABLISHMENT OF SURVEY MONUMENTS SHALL BE COMPLETED BY A NEVADA LICENSED PROFESSIONAL LAND SURVEYOR.

BEGIN PROJECT @
N: 1608158.51
E: 176686.43

INTERSECTION OF
E. 5TH ST &
HELLS BELLS RD
N: 1608142.82
E: 176919.68

ROAD DATA:
A=373°13'3"
R=340.00'
L=183.12'
T=93.84'

ROAD DATA:
A=472°40'
R=1500.00'
L=158.24'
T=79.19'

ROAD DATA:
A=48°51'34"
R=320.00'
L=272.88'
T=145.36'

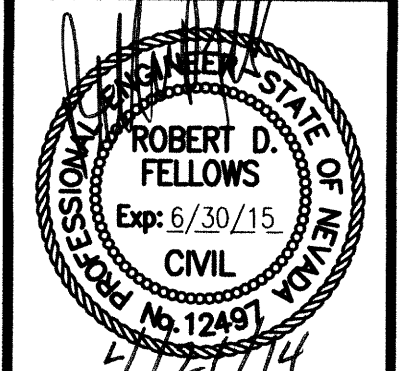
ROAD DATA:
A=127°11'
R=320.00'
L=67.69'
T=33.97'

CEN SEC 15
T 15 N, R 20 E, M.D.M.

HORIZONTAL CONTROL
SCALE: 1" = 100'

DESIGNED BY: RF
DRAWN BY: DLO
CHECKED BY: RF
DWG. NO.: 18 585-15.dwg
SCALE (HORIZ): 1" = 50'
SCALE (VERT): N/A
PLOT DATE: 4/17/14

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



REV.	DATE	DESCRIPTION	BY	APP'D

**SAFE ROUTE TO SCHOOL
HELLS BELLS PEDESTRIAN IMPROVEMENTS
PROJECT No. 03.1206**
HORIZONTAL & VERTICAL CONTROL

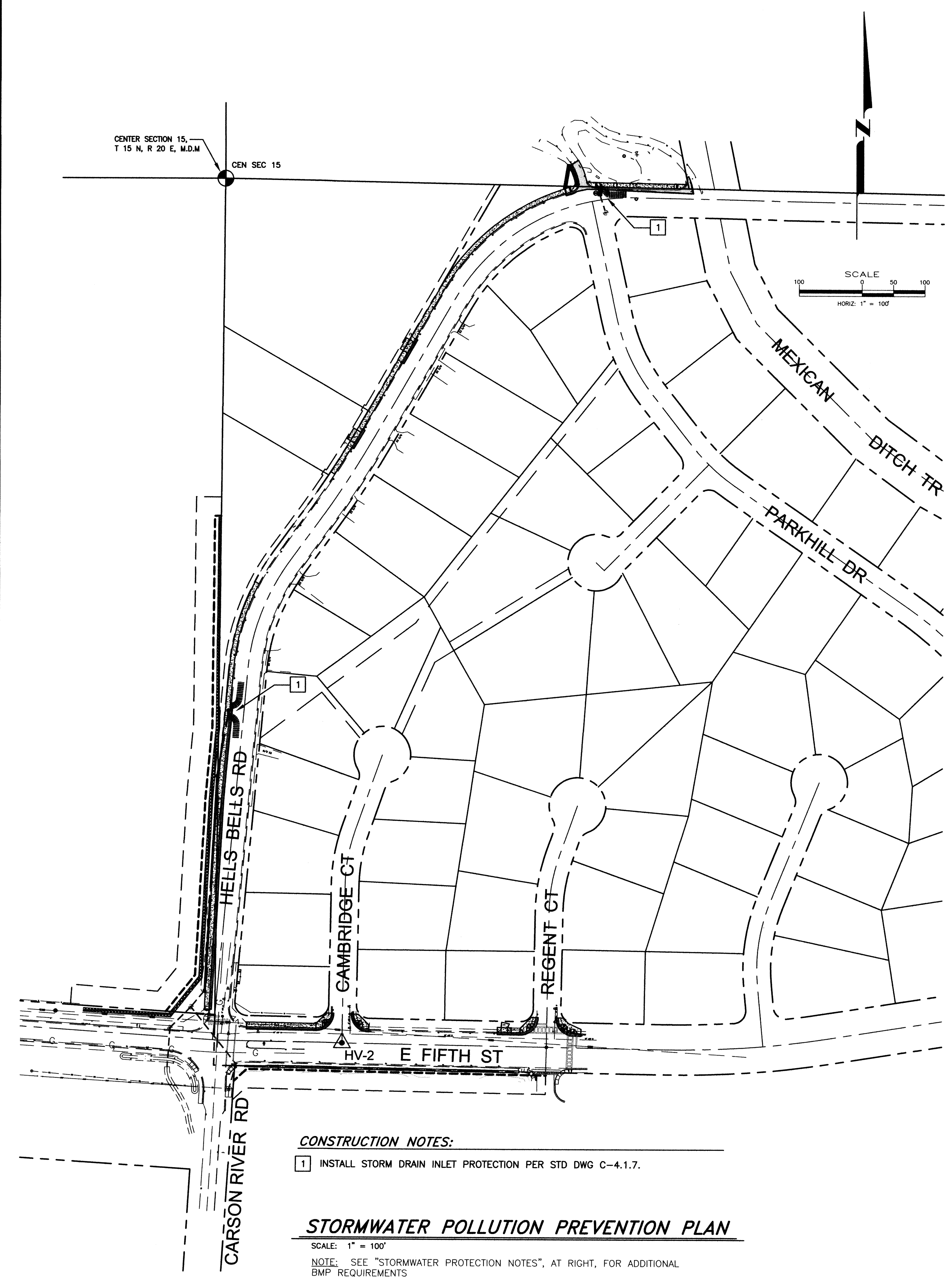
SHEET
G3
OF
11

100% PLANS

FEDERAL PROJECT NUMBER: SI-0025(022) NDOT PROJECT NUMBER: 73740
FOR BIDDING PURPOSES ONLY

H:\PROJECTS\3-1206 Hells Bells Ped Improv.dwg (8 585-15.dwg) 4/17/14

H:\PROJECTS\13106 Hells Bells - Prec Improv\DWG\BMP-15.dwg 4/17/14



- CONSTRUCTION NOTES:**
- 1 INSTALL STORM DRAIN INLET PROTECTION PER STD DWG C-4.1.7.

STORMWATER POLLUTION PREVENTION PLAN

SCALE: 1" = 100'

NOTE: SEE "STORMWATER PROTECTION NOTES", AT RIGHT, FOR ADDITIONAL BMP REQUIREMENTS

TYPICAL PROTECTION FOR INLET ON SUMP
NTS

TYPICAL PROTECTION FOR INLET ON GRADE
NTS

NOTES:

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

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
			STORM DRAIN INLET PROTECTION	DRAWING NO. C-4.1.7
APPROVED BY: <i>[Signature]</i> 7/09				DATE 7/2009

- STORMWATER PROTECTION NOTES:**
1. 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.
 2. ALL INSTALLED PROTECTION DEVICES SHALL BE INSPECTED AND APPROVED BY THE CARSON CITY CONSTRUCTION INSPECTOR PRIOR TO ANY CONSTRUCTION ACTIVITY.
 3. BMP'S IN ADDITION TO THOSE INDICATED ON PLAN SHEETS G6 THROUGH G12, AND THE CONTRACTOR'S SWPPP MAY BE REQUIRED IF THEY DON'T MEET LOCAL PERFORMANCE STANDARDS.
 4. 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.
 5. 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.
 6. IF THE ENTRANCE STABILIZATION IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, ALTERNATIVE MEASURES TO KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH.
 7. ANY ROCK THAT IS LOOSENED FROM THE ENTRANCE STABILIZATION PAD, WHICH END UP ON THE PAVED ROADWAY SHALL BE REMOVED IMMEDIATELY.
 8. CONTRACTOR SHALL INSPECT LOCAL ROADS ADJACENT TO THE SITE DAILY, SWEEP OR VACUUM TO REMOVE ANY VISIBLE ACCUMULATED SEDIMENT.
 9. 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.
 10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DUST CONTROL WITHIN THE CONSTRUCTION LIMITS AT ALL TIMES.
 11. STORM DRAIN INLET PROTECTION SHALL BE PLACED ACCORDINGLY ON THE NEAREST INLETS DOWNSTREAM OF ALL CONSTRUCTION ACTIVITIES.
 12. HIGH VISIBILITY ORANGE SILT FENCE SHALL BE INSTALLED PER THE DETAILS SHOWN HEREON, AND MAINTAINED THROUGH OUT THE PROJECT.
 13. 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.

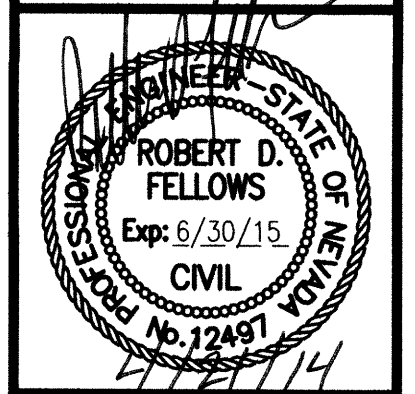
NOTE:
THE CONTRACTOR SHALL INSTALL AND MAINTAIN STORM WATER PROTECTION DEVICES IN ACCORDANCE WITH THE "NEVADA CONTRACTORS FIELD GUIDE FOR CONSTRUCTION SITE BEST MANAGEMENT PRACTICES" TO PROTECT THE NEAREST WATERWAY DOWNSTREAM OF ALL CONSTRUCTION ACTIVITIES.

24 HOUR EMERGENCY CONTACT:
NAME: _____ NUMBER: _____

DESIGNED BY: RF
DRAWN BY: DLO
CHECKED BY: RF
DWG NO.: HB SPTS-15.dwg
SCALE (HORIZ): 1"=50'
SCALE (VERT): N/A
PLOT DATE: 4/17/14

**CARSON CITY
PUBLIC WORKS DEPARTMENT**

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



REV.	DATE	DESCRIPTION	BY	APP'D

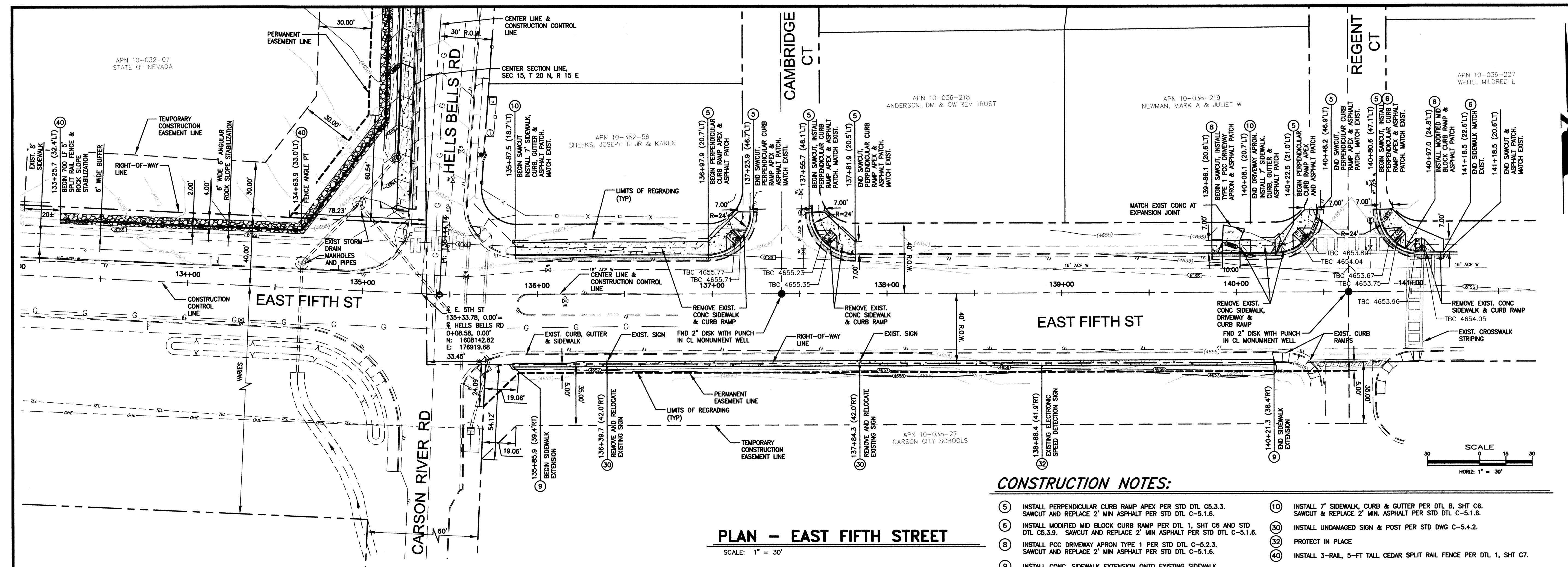
**SAFE ROUTE TO SCHOOL
HELLS BELLS PEDESTRIAN IMPROVEMENTS
PROJECT No. 03.1206**

**STORMWATER POLLUTION
PREVENTION PLAN & DETAILS**

SHEET
G4
OF
11

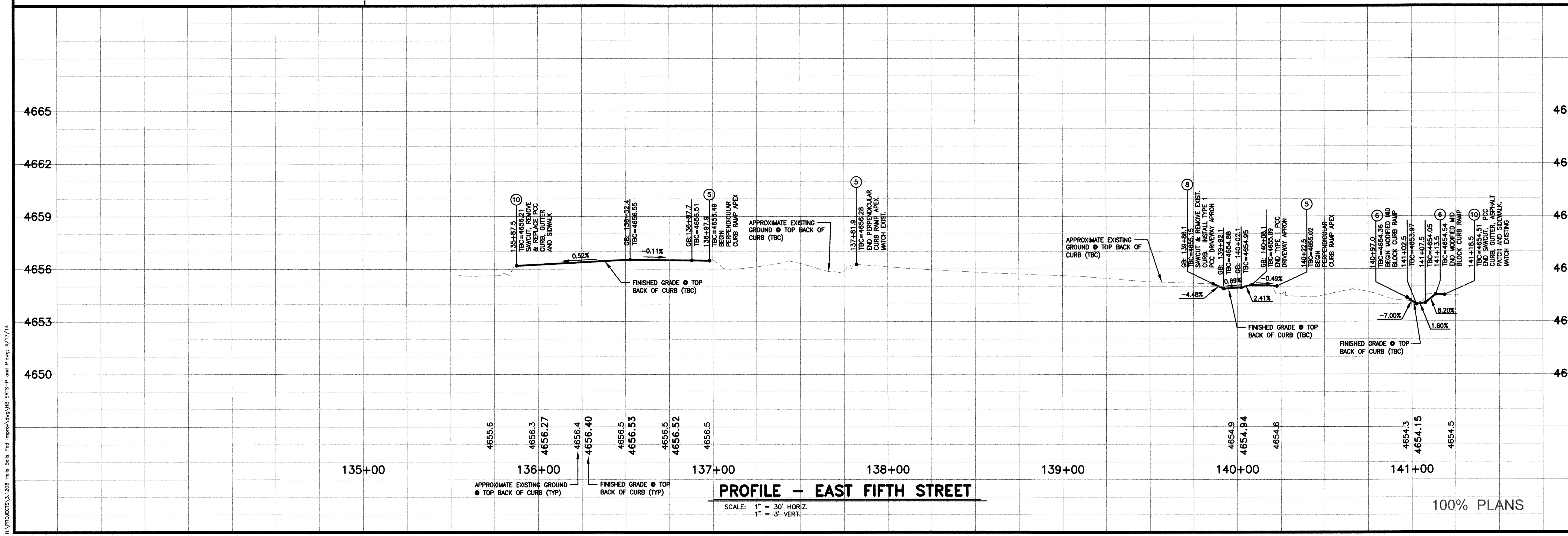
100% PLANS

FEDERAL PROJECT NUMBER: SI-0025(022) NDOT PROJECT NUMBER: 73740 FOR BIDDING PURPOSES ONLY



PLAN - EAST FIFTH STREET
SCALE: 1" = 30'

- CONSTRUCTION NOTES:**
- 5 INSTALL PERPENDICULAR CURB RAMP APEX PER STD DTL C5.3.3. SAWCUT AND REPLACE 2" MIN ASPHALT PER STD DTL C-5.1.6.
 - 6 INSTALL MODIFIED MID BLOCK CURB RAMP PER DTL 1, SHT C6 AND STD DTL C5.3.9. SAWCUT AND REPLACE 2" MIN ASPHALT PER STD DTL C-5.1.6.
 - 8 INSTALL PCC DRIVEWAY APRON TYPE 1 PER STD DTL C-5.2.3. SAWCUT AND REPLACE 2" MIN ASPHALT PER STD DTL C-5.1.6.
 - 9 INSTALL CONC. SIDEWALK EXTENSION ONTO EXISTING SIDEWALK FOR A 7' WIDE FINISHED SIDEWALK PER DTL A, SHT C6.
 - 10 INSTALL 7" SIDEWALK, CURB & GUTTER PER DTL B, SHT C6. SAWCUT & REPLACE 2" MIN ASPHALT PER STD DTL C-5.1.6.
 - 30 INSTALL UNDAMAGED SIGN & POST PER STD DWG C-5.4.2.
 - 32 PROTECT IN PLACE
 - 40 INSTALL 3-RAIL, 5-FT TALL CEDAR SPLIT RAIL FENCE PER DTL 1, SHT C7.

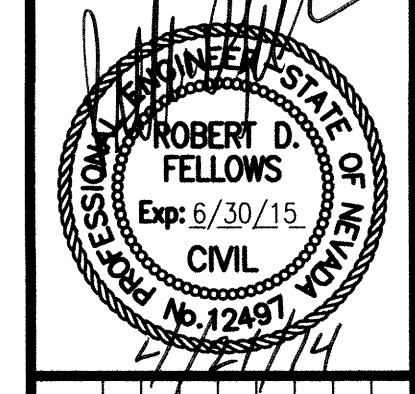


PROFILE - EAST FIFTH STREET
SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

100% PLANS

DESIGNED BY: RE
DRAWN BY: DLO
CHECKED BY: RE
DWG NO.: HB SPTS-P and P.dwg
SCALE (HORIZ): 1"=50'
SCALE (VERT): N/A
PLOT DATE: 4/17/14

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



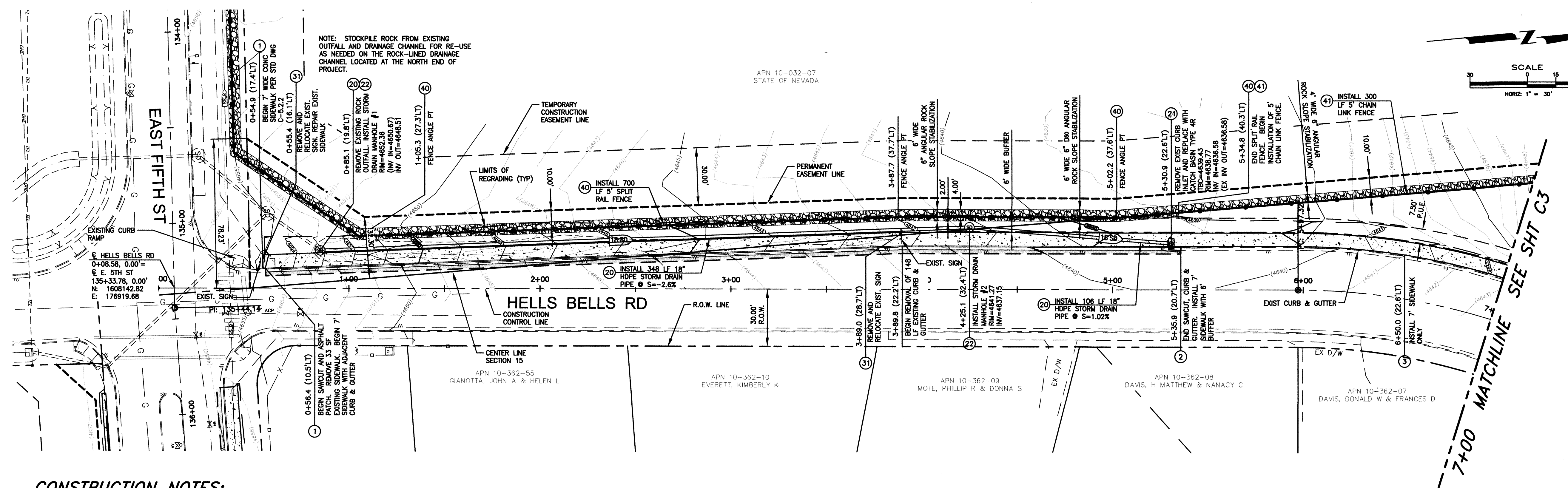
REV.	DATE	DESCRIPTION	BY	APP'D

**SAFE ROUTE TO SCHOOL
HELLS BELLS PEDESTRIAN IMPROVEMENTS
PROJECT No. 03.1206**
**EAST FIFTH STREET
PLAN & PROFILE
STA X+00 TO X+00**

SHEET
C1
OF
11

FEDERAL PROJECT NUMBER: SI-0025(022) NDOT PROJECT NUMBER: 73740
FOR BIDDING PURPOSES ONLY

N:\PROJECTS\1206 Main Data Plot\proj\plan\hb_spts-p.dwg, 4/17/14

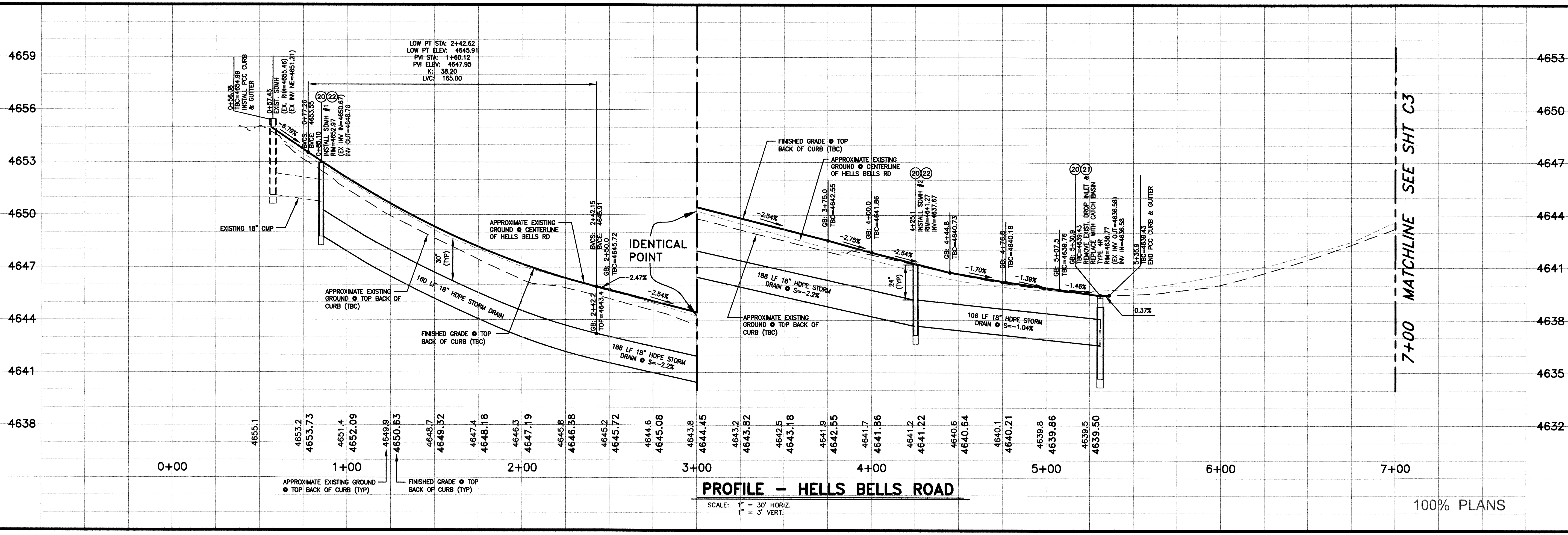


CONSTRUCTION NOTES:

- 1 INSTALL 7" SIDEWALK, CURB & GUTTER PER DTL A, SHT C5. SAWCUT AND REPLACE 2" MIN ASPHALT PER STD DTL C-5.1.6.
- 2 INSTALL 7" SIDEWALK & 6" BUFFER PER DTL B, SHT C5.
- 3 INSTALL 7" SIDEWALK PER DTL C, SHT C5.
- 20 INSTALL STORM DRAIN PIPE PER STD DWG C-1.2.1 (SIZE AND CLASS PER PLAN).
- 21 CONSTRUCT CATCH BASIN TYPE 4-R PER STD DTL C-4.1.5.
- 32 CONSTRUCT STORM DRAIN MANHOLE PER STD DTL C-4.1.1.
- 31 INSTALL UNDAMAGED SIGN & POST PER DTL 2, SHT C7.
- 41 INSTALL 3-RAIL, 5-FT TALL CEDAR SPLIT RAIL FENCE PER DTL 1, SHT C7.
- 42 INSTALL 5' CHAIN LINK FENCE PER DWG NO 1-24.1

PLAN - HELLS BELLS ROAD

SCALE: 1" = 30'



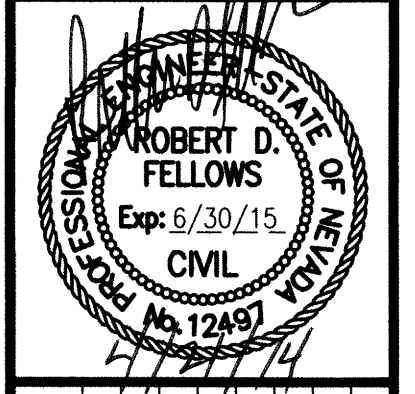
PROFILE - HELLS BELLS ROAD

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

100% PLANS

DESIGNED BY: RF
DRAWN BY: DLO
CHECKED BY: RF
DWG NO.: HB SPTS-P and P.dwg
SCALE (HORIZ): 1"=50'
SCALE (VERT): N/A
PLOT DATE: 4/17/14

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

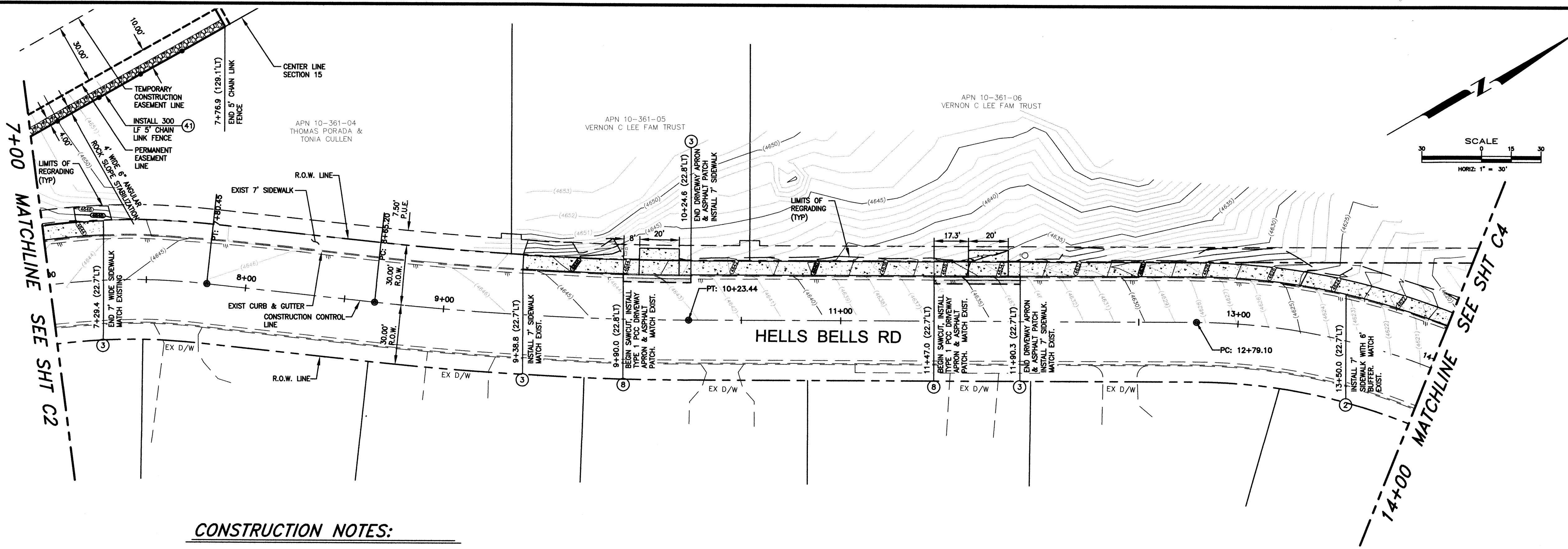


REV.	DATE	DESCRIPTION	BY	APP'D

SAFE ROUTE TO SCHOOL
HELLS BELLS PEDESTRIAN IMPROVEMENTS
PROJECT No. 03.1206
HELLS BELLS ROAD
PLAN & PROFILE
STA 0+00 TO 7+00

SHEET
C2
OF
11

FEDERAL PROJECT NUMBER: SI-0025(022) NDOT PROJECT NUMBER: 73740
FOR BIDDING PURPOSES ONLY

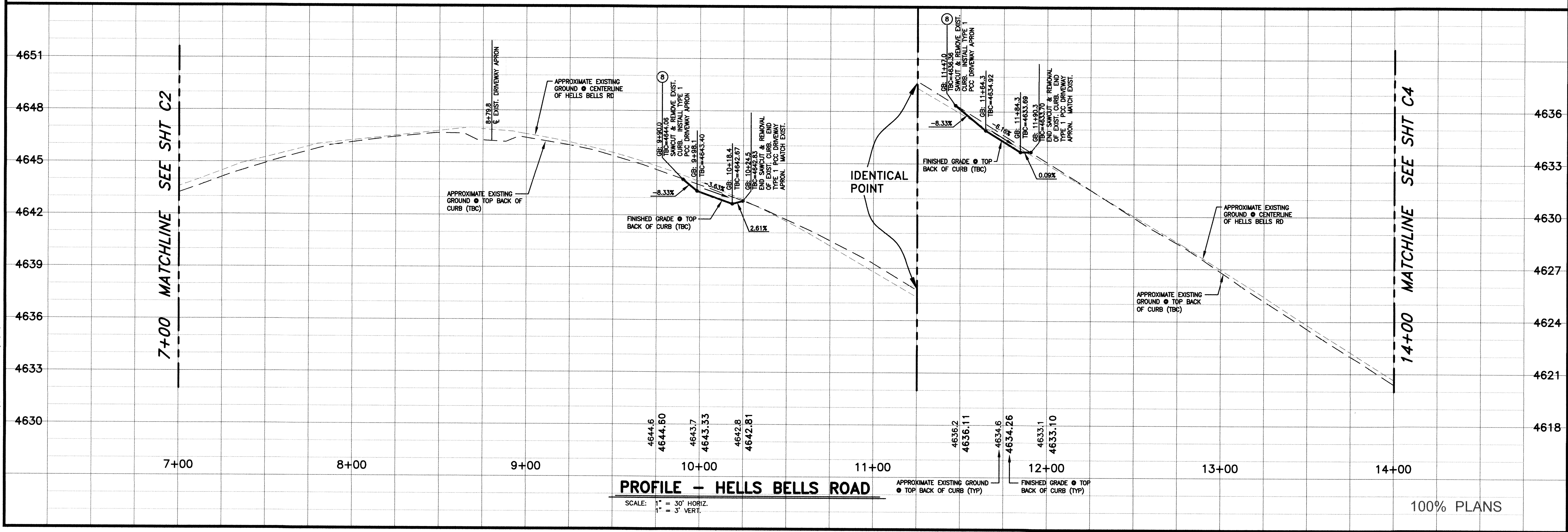


CONSTRUCTION NOTES:

- ② INSTALL 7' SIDEWALK & 6' BUFFER PER DTL B, SHT C5.
- ③ INSTALL 7' SIDEWALK PER DTL C, SHT C5.
- ⑧ INSTALL PCC DRIVEWAY APRON TYPE 1 PER STD DTL C-5.2.3. SAWCUT AND REPLACE 2" MIN ASPHALT PER STD DTL C-5.1.6.
- ④ INSTALL 5' CHAIN LINK FENCE PER DWG NO 1-24.1

PLAN - HELLS BELLS ROAD

SCALE: 1" = 30'



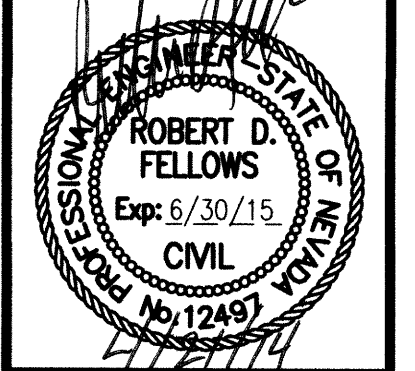
PROFILE - HELLS BELLS ROAD

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

100% PLANS

DESIGNED BY: RF
DRAWN BY: DLO
CHECKED BY: RF
DWG NO.: HB SRTS-P and P-Eng
SCALE (HORIZ): 1"=50'
SCALE (VERT): N/A
PLOT DATE: 4/17/14

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

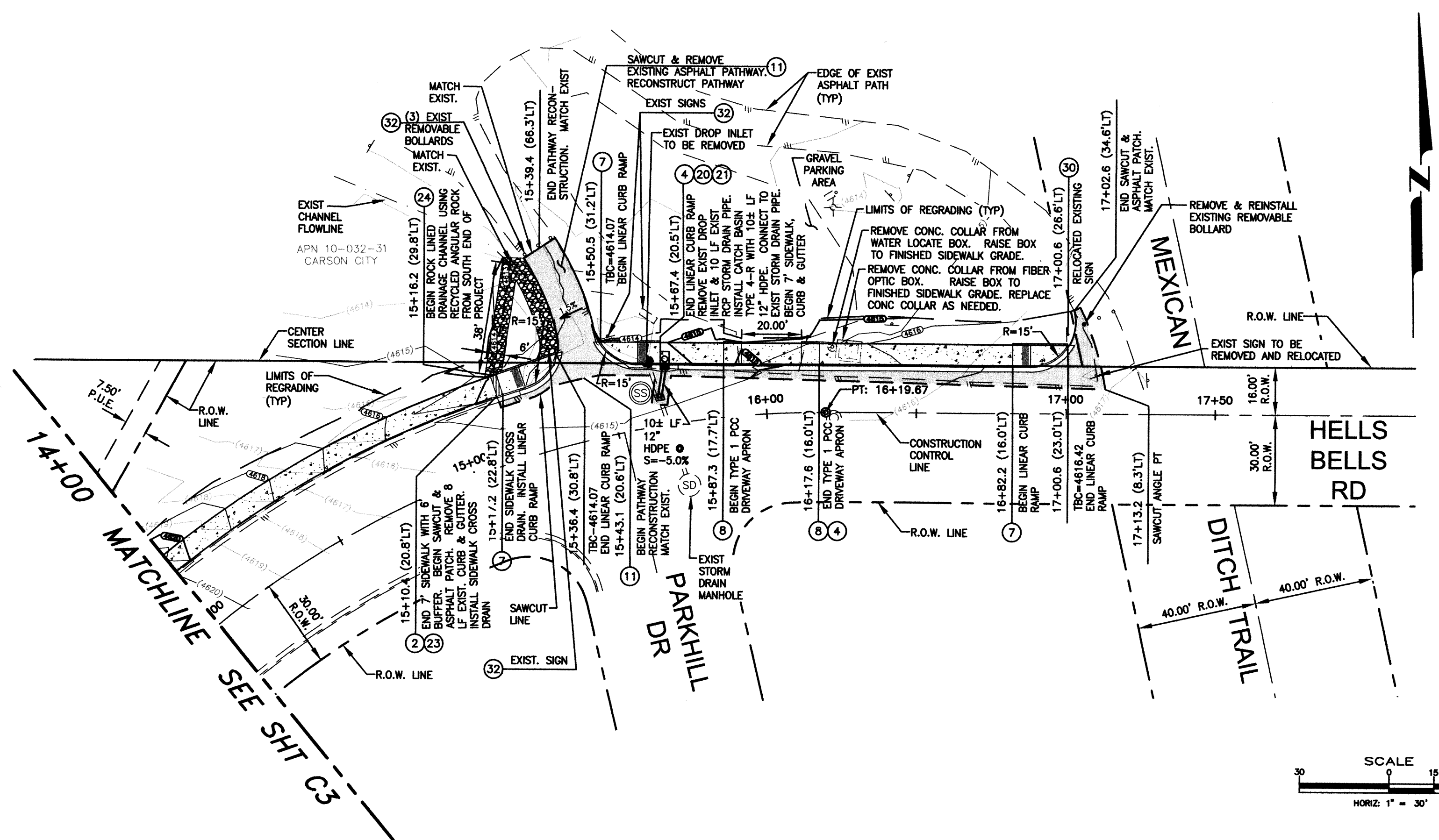


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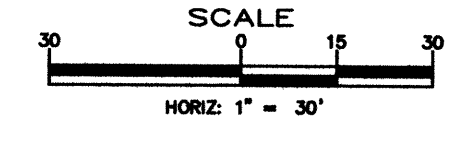
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HELLS BELLS ROAD PLAN & PROFILE STA 7+00 TO 14+00

SHEET **03** OF **11**

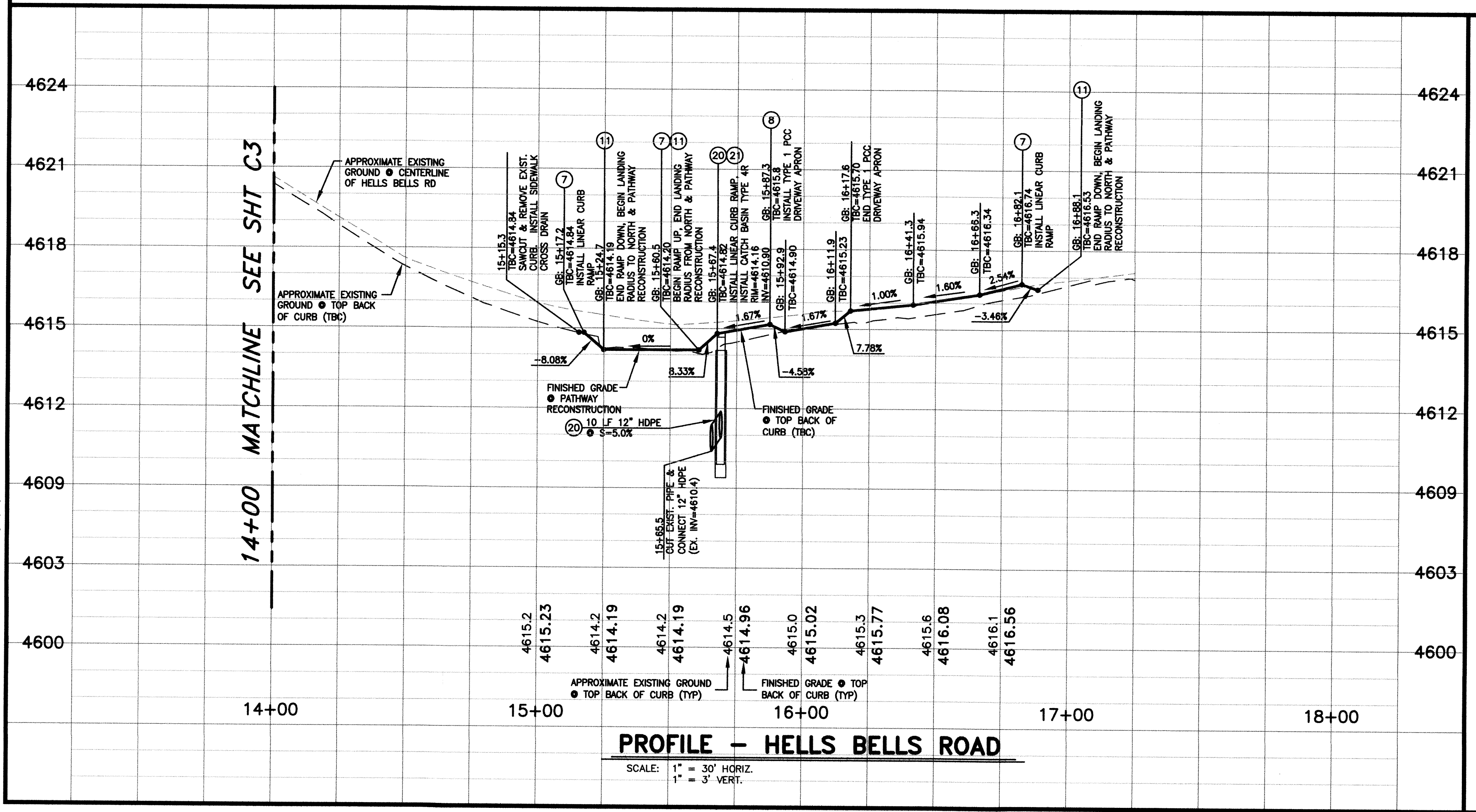
FEDERAL PROJECT NUMBER: SI-0025(022) NDOT PROJECT NUMBER: 73740
FOR BIDDING PURPOSES ONLY



- CONSTRUCTION NOTES:**
- ② INSTALL 7' SIDEWALK & 6' BUFFER PER DTL B, SHT C5.
 - ④ INSTALL 7' SIDEWALK, CURB & GUTTER WITH 6' BUFFER PER DTL D, SHT C5. SAWCUT AND REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
 - ⑦ INSTALL LINEAR CURB RAMP PER STD DTL C5.3.8. SAWCUT AND REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
 - ⑧ INSTALL PCC DRIVEWAY APRON TYPE 1 PER STD DTL C-5.2.3. SAWCUT AND REPLACE 2' MIN ASPHALT PER STD DTL C-5.1.6.
 - ⑪ RECONSTRUCT ASPHALT PATHWAY PER DTL C, SHT C6.
 - ⑬ INSTALL STORM DRAIN PIPE PER STD DTL C-1.2.1 (SIZE AND CLASS PER PLAN).
 - ⑮ CONSTRUCT CATCH BASIN TYPE 4-R PER STD DTL C-4.1.5.
 - ⑰ CONSTRUCT SIDEWALK CROSS DRAIN PER STD DTL C-4.1.8.
 - ⑲ CONSTRUCT ROCK-LINED DRAINAGE CHANNEL PER DTL D, SHT C6.
 - ⑳ INSTALL UNDAMAGED SIGN & POST PER STD DWG C-5.4.2.
 - ㉑ PROTECT IN PLACE



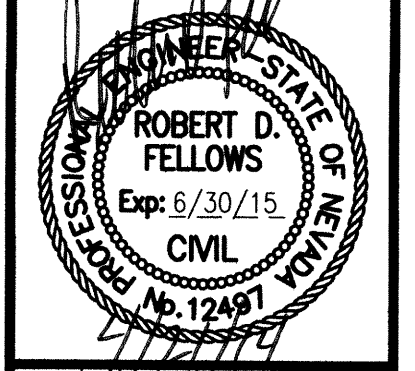
PLAN - HELLS BELLS ROAD
SCALE: 1" = 30'



PROFILE - HELLS BELLS ROAD
SCALE: 1" = 30' HORIZ.
1" = 3' VERT.

DESIGNED BY: RF
 DRAWN BY: DLO
 CHECKED BY: RF
 DWG NO.: HB SRIS-P and P.dwg
 SCALE (HORIZ): 1"=50'
 SCALE (VERT): N/A
 PLOT DATE: 4/17/14

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



REV.	DATE	DESCRIPTION	BY	APP'D

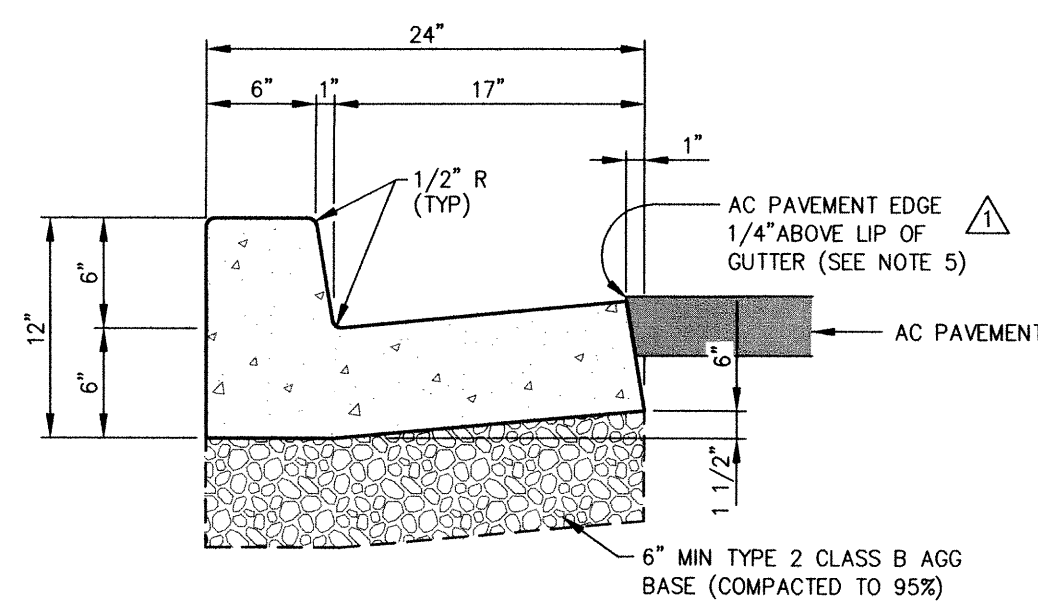
**SAFE ROUTE TO SCHOOL
 HELLS BELLS PEDESTRIAN IMPROVEMENTS**
 PROJECT No. 03.1206
**HELLS BELLS ROAD
 PLAN & PROFILE**
 STA 14+00 TO 18+00

SHEET
C4
 OF
 11

FEDERAL PROJECT NUMBER: SI-0025(022) NDOT PROJECT NUMBER: 73740
 FOR BIDDING PURPOSES ONLY

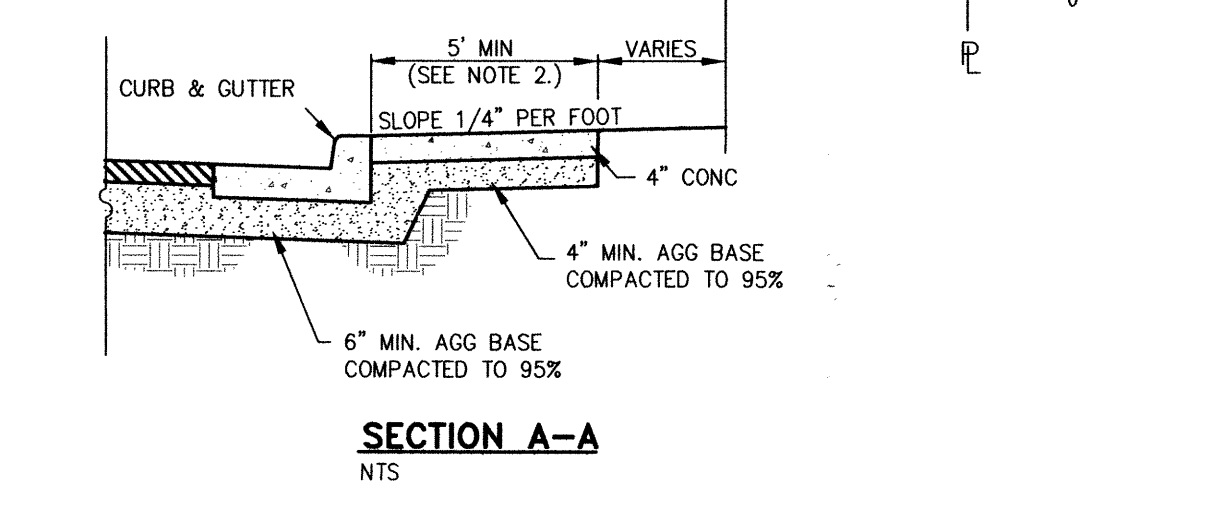
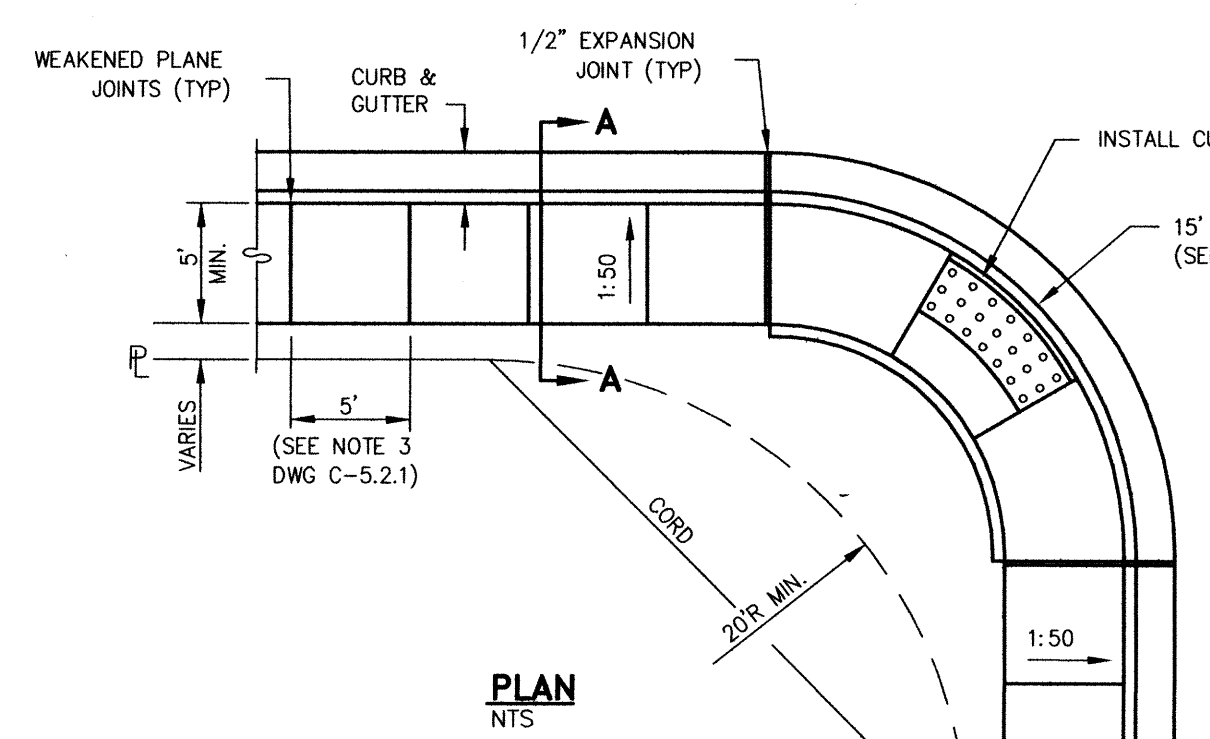
100% PLANS

H:\PROJECTS\1206_Hells_Bells_Road_Improvements\SRIS-P.dwg, 4/17/14



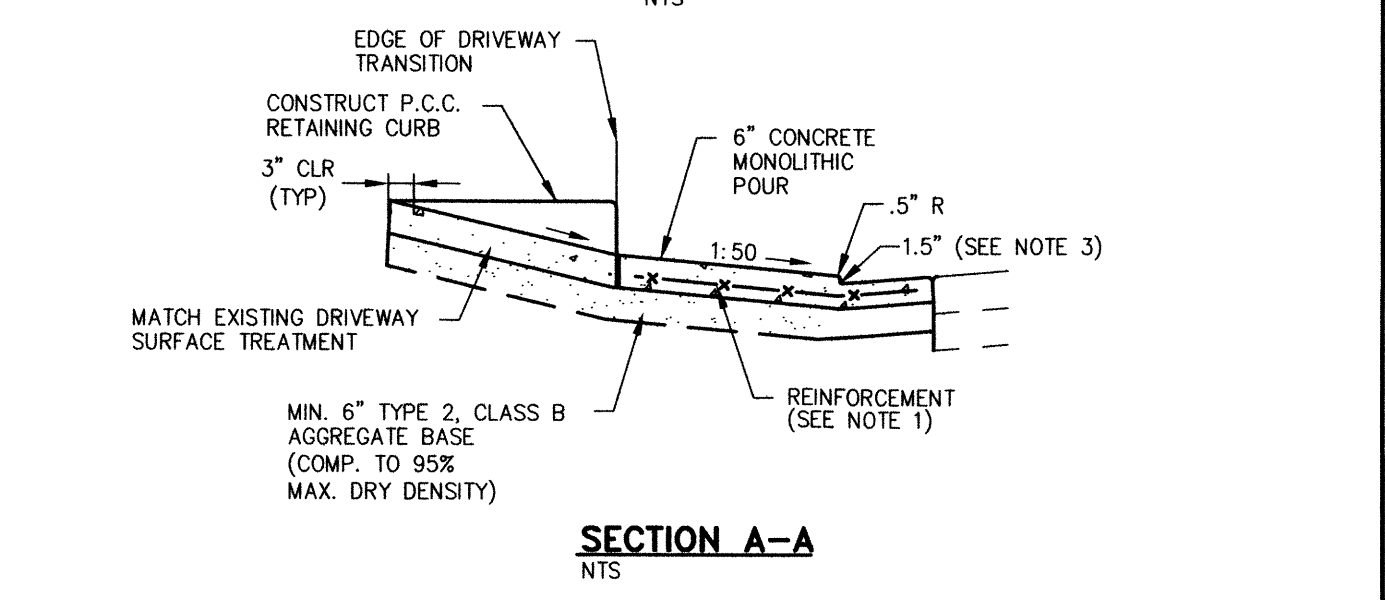
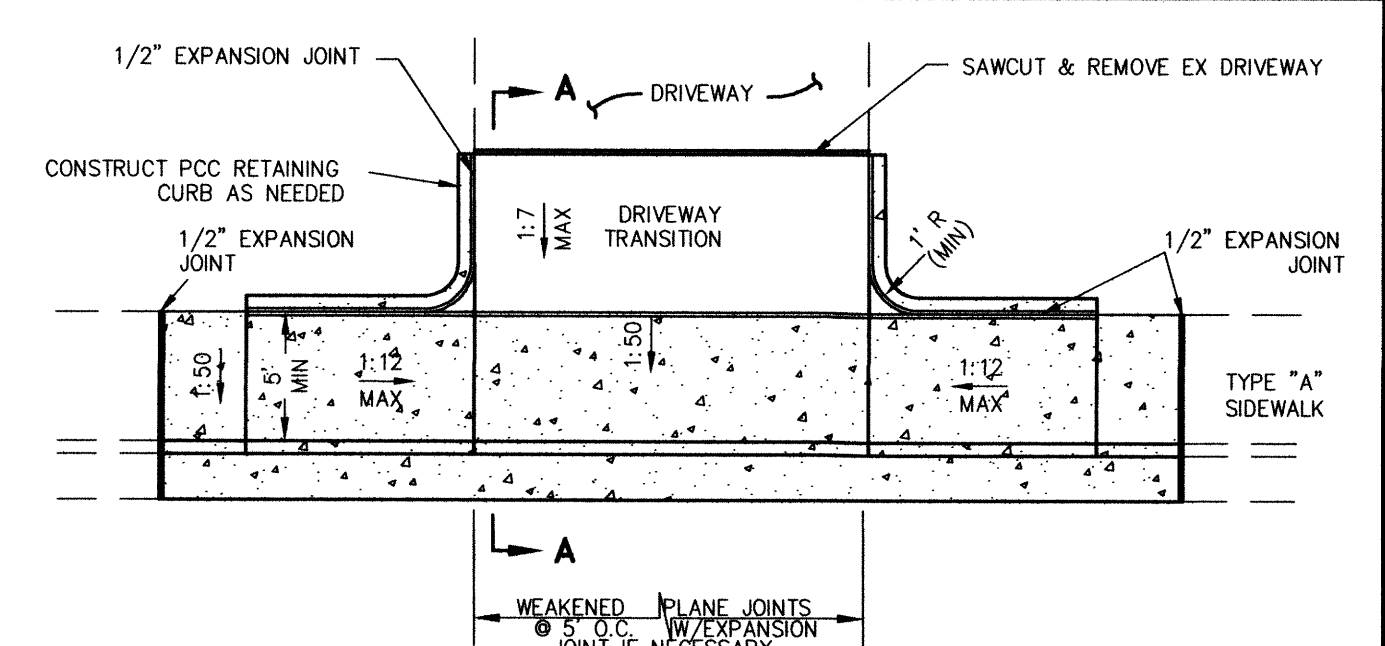
- NOTES:**
1. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES ALL MATERIALS SHALL CONFORM TO SECTION 202 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 2. 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).
 3. 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.
 4. 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 OR WITHIN AN ACCESSIBLE ROUTE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	AC/LIP	6/12	PCC CURB & GUTTER TYPE 1	CARSON CITY DRAWING NO. C-5.1.3 DATE 7/2009



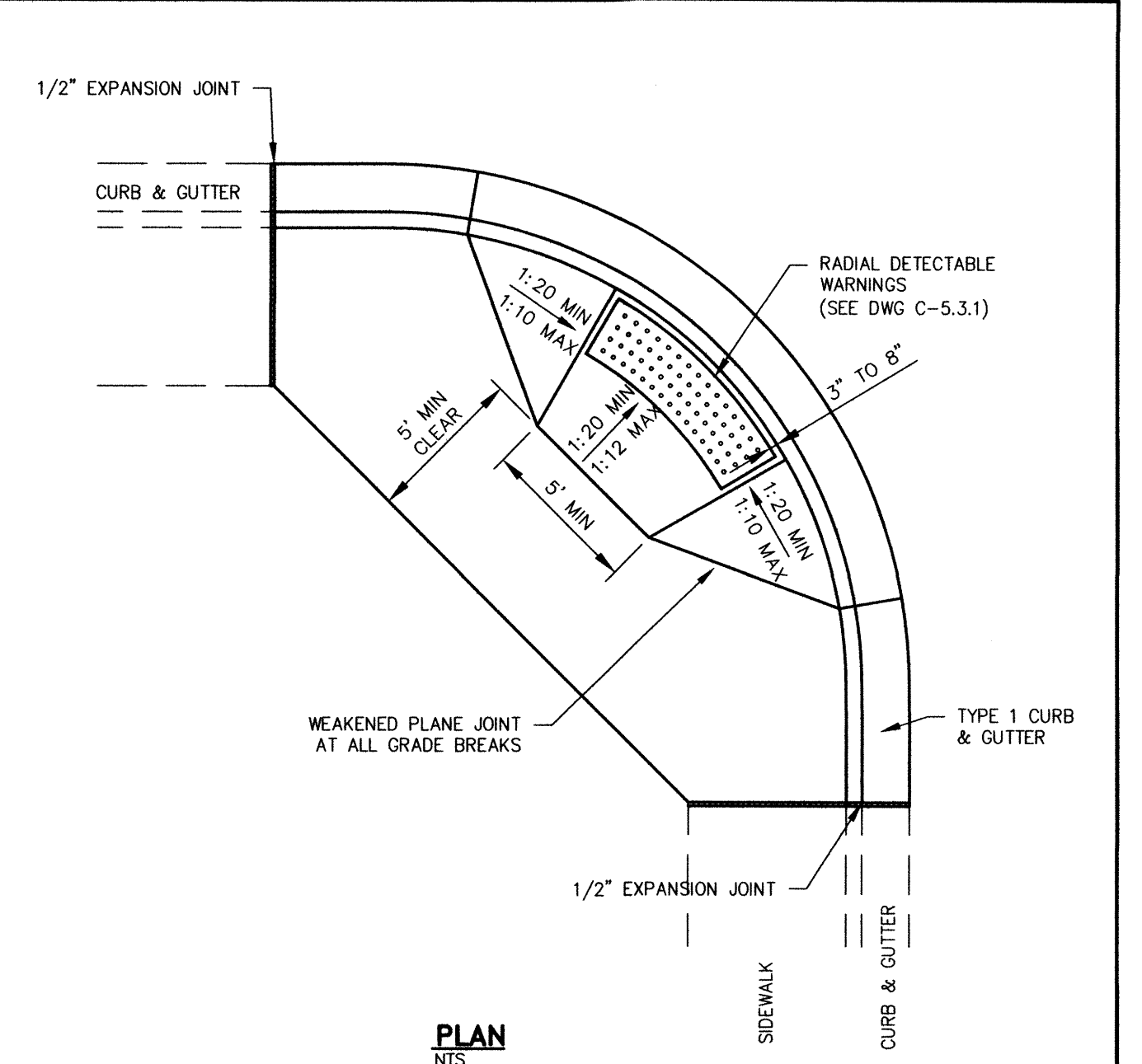
- NOTES:**
1. MINIMUM CURB RETURN RADIUS SHALL BE 15 FEET UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
 2. SOME STREETS MAY REQUIRE WIDER SIDEWALKS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1		7/09	TYPE "A" SIDEWALK	CARSON CITY DRAWING NO. C-5.2.2 DATE 7/2009



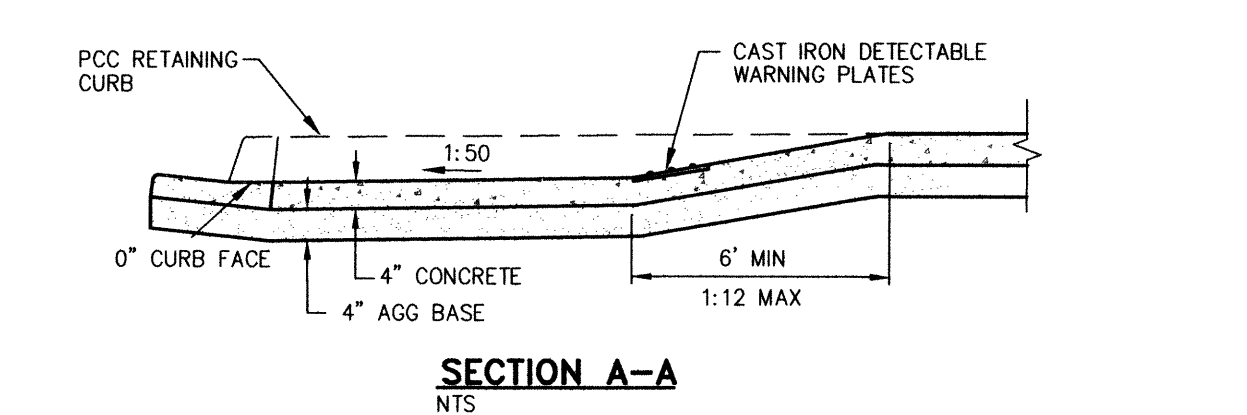
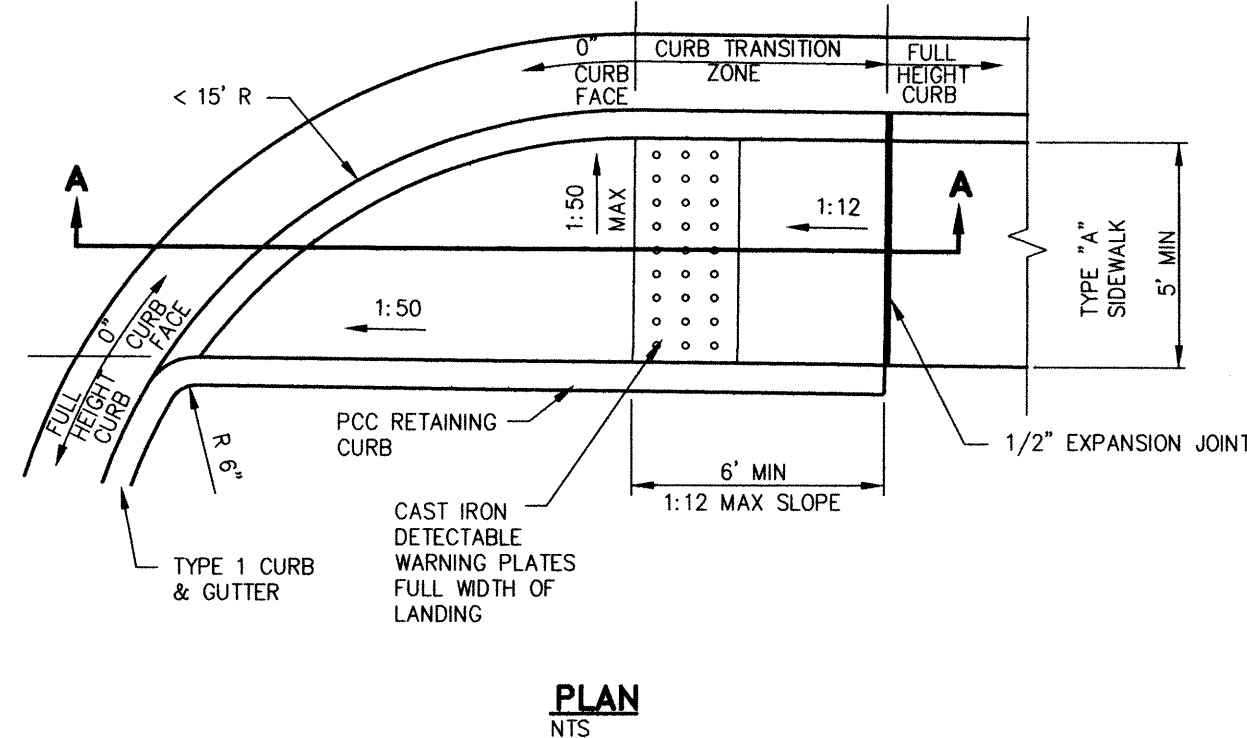
- NOTES:**
1. COMMERCIAL DRIVEWAYS TO HAVE 6 INCH X 6 INCH 10/10 WIRE MESH EXTENDED INTO GUTTER PAN.
 2. DRIVEWAY LANDING, SIDEWALK, CURB & GUTTER TO BE MONOLITHIC POUR TO A.C. LINE.
 3. CURB HEIGHT AT LANDING SHALL BE 1 INCH MINIMUM AND 2 INCH MAXIMUM (3 INCH MAX UPON CARSON CITY PUBLIC WORKS' APPROVAL) 2 INCH RADIUS TO BE USED WHEN CURB HEIGHT AT LANDING IS GREATER THAN 2 INCHES.
 4. 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
1		7/09	P.C.C. DRIVEWAY APRON TYPE 1	CARSON CITY DRAWING NO. C-5.2.3 DATE 7/2009



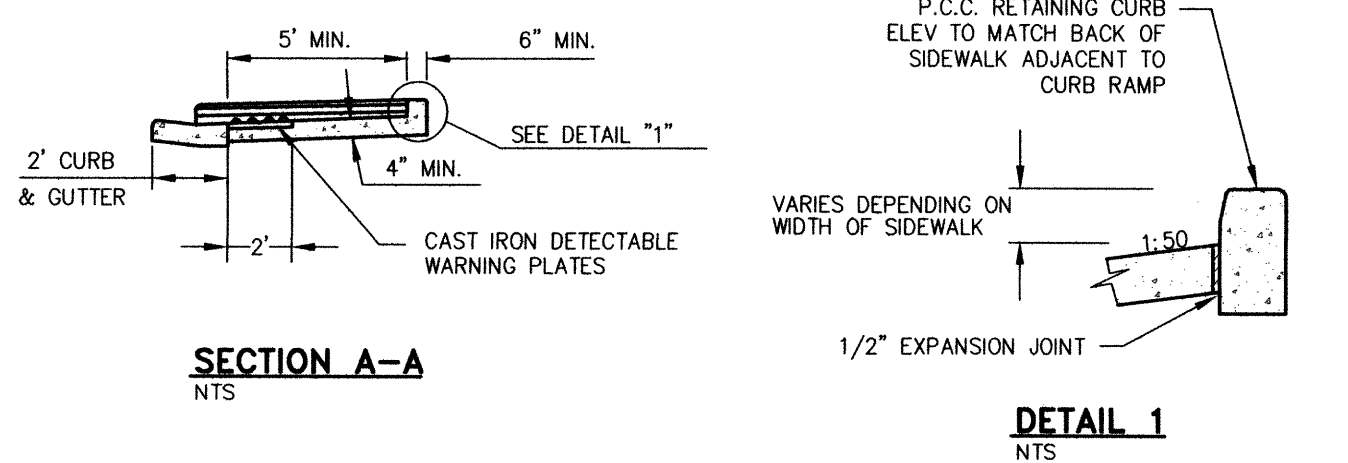
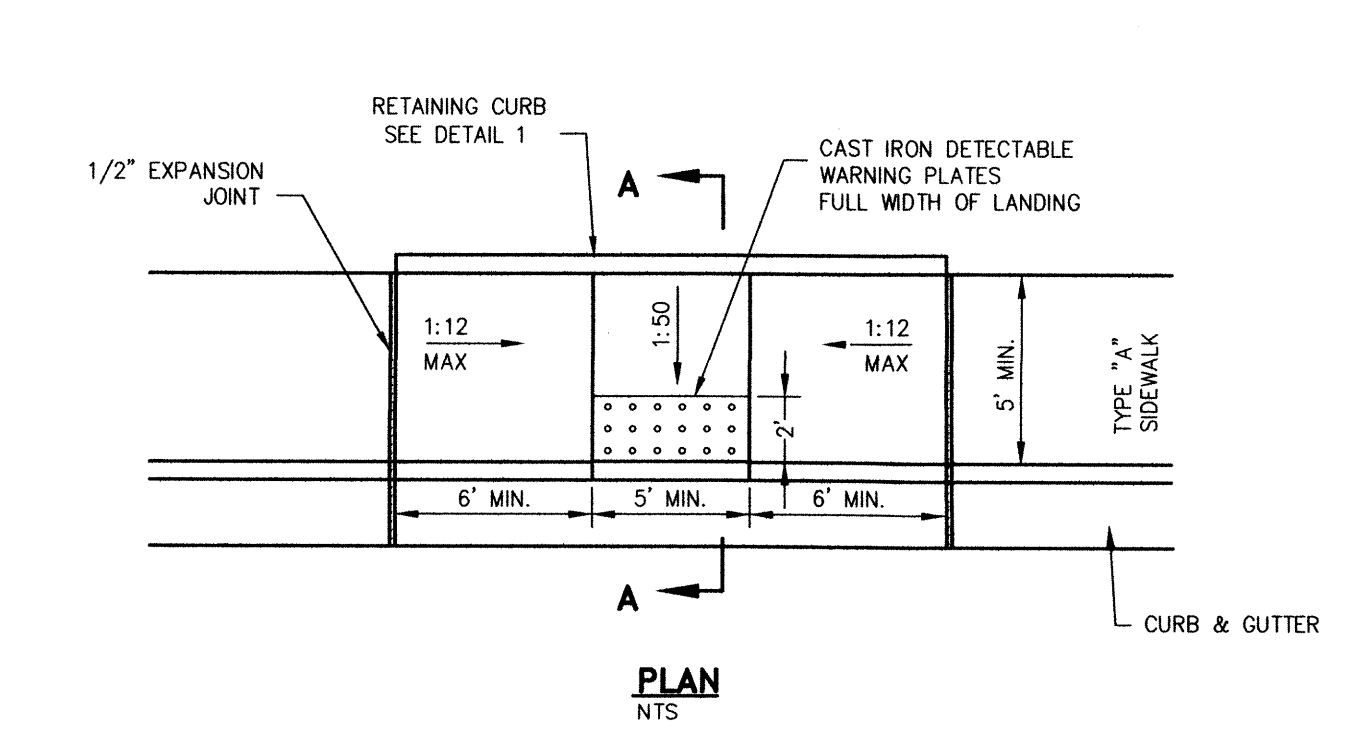
- NOTES:**
1. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1		7/09	PERPENDICULAR CURB RAMP APEX	CARSON CITY DRAWING NO. C-5.3.3 DATE 7/2009



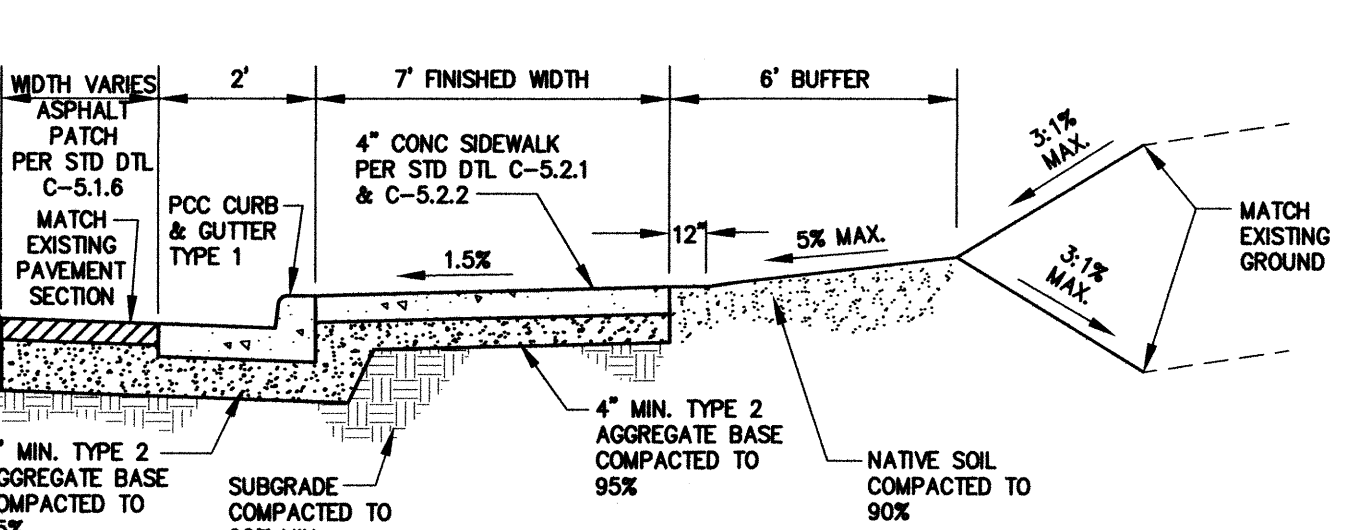
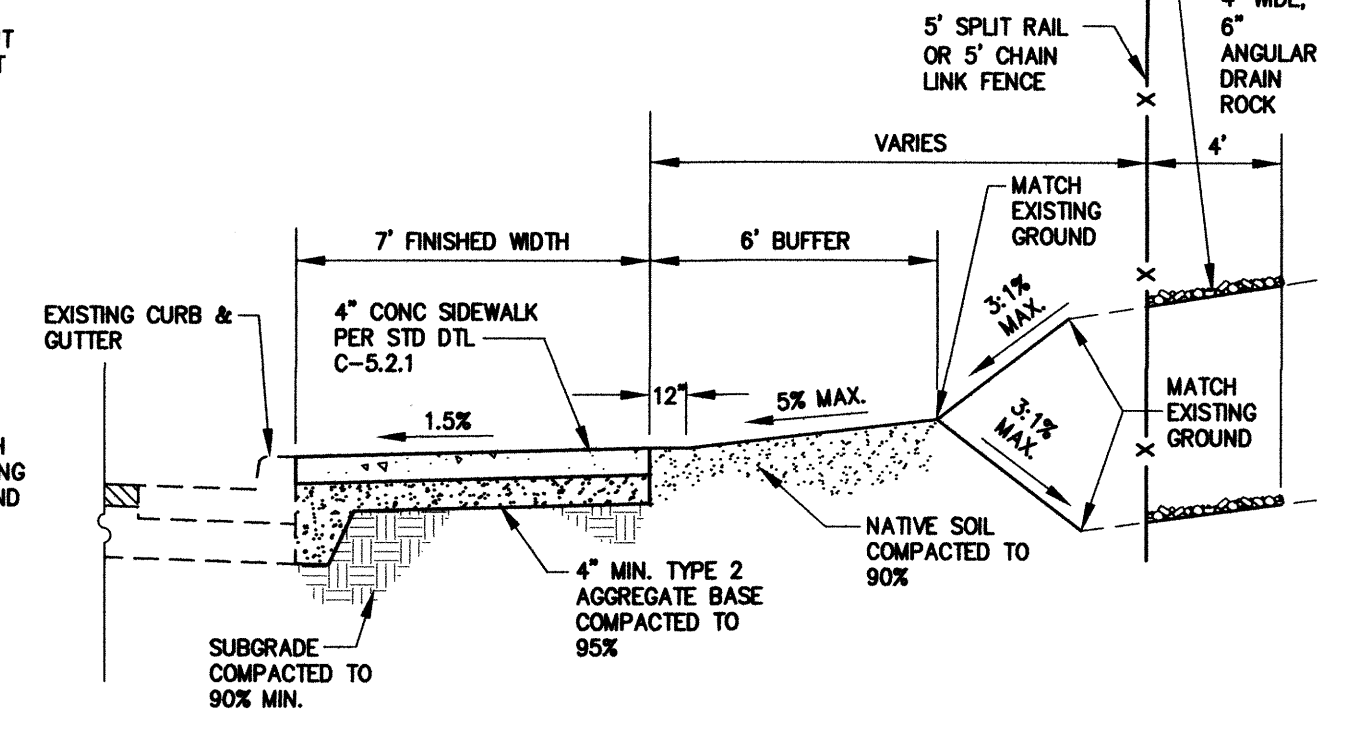
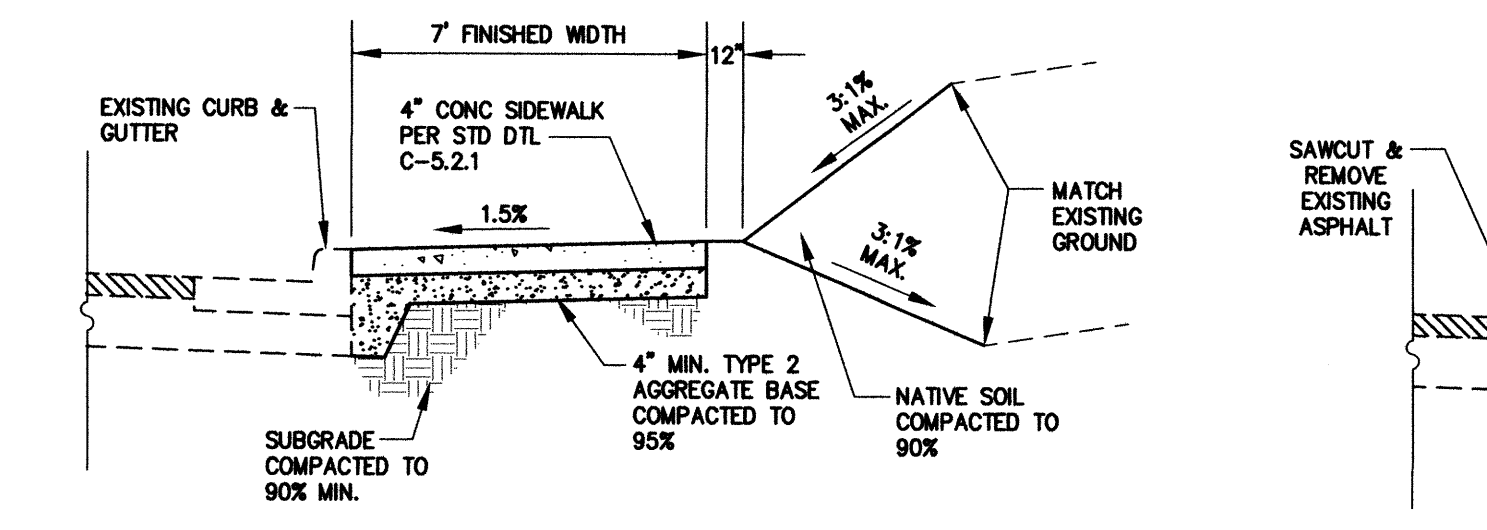
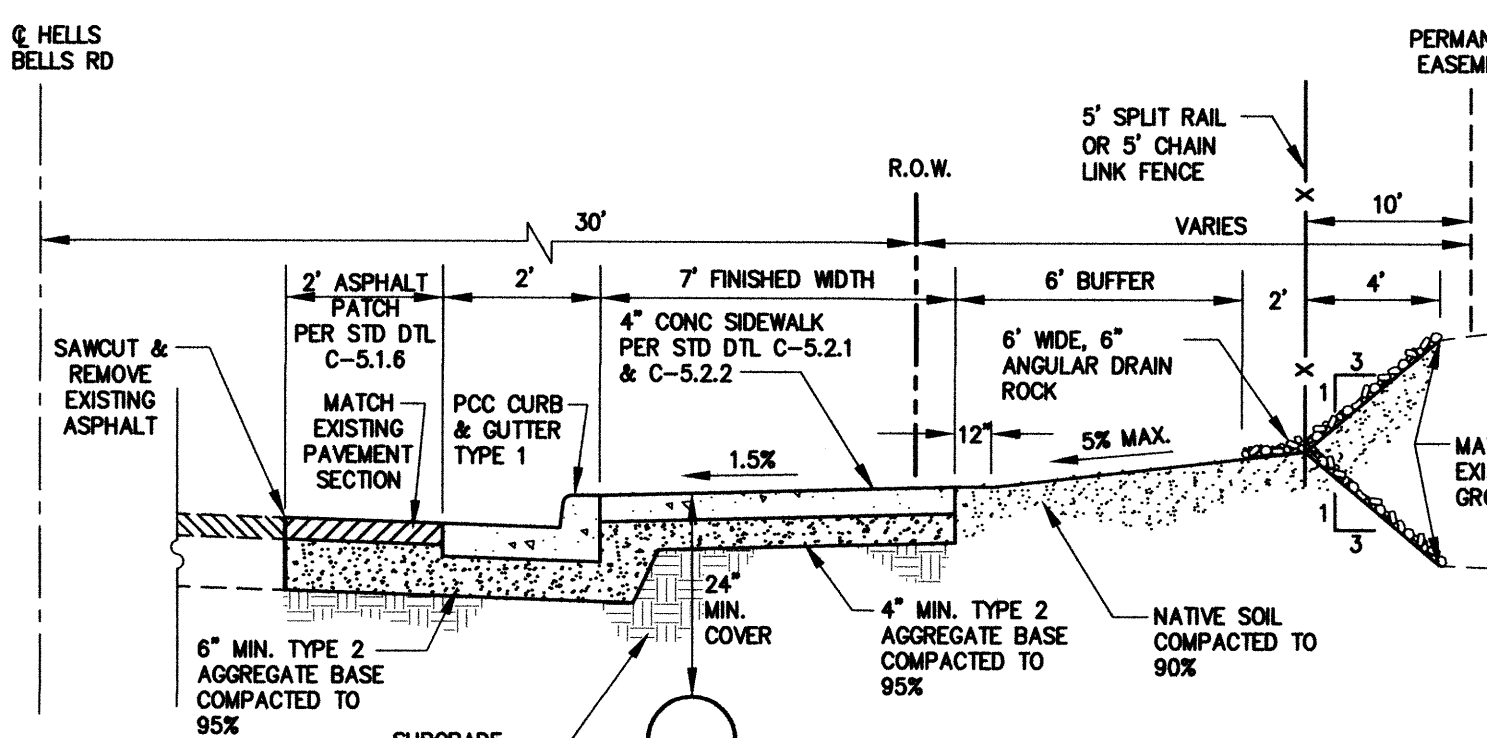
- NOTES:**
1. LINEAR SINGLE TRANSITION CURB RAMP TO BE USED ONLY AT RETURNS HAVING LESS THAN A 15 FOOT RADIUS.
 2. NOT FOR USE WITH OFFSET SIDEWALKS.
 3. RETAINING CURBS ARE TO BE USED IN ALL CASES AND EXISTING GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
 4. SEE "CURB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

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1		7/09	LINEAR CURB RAMP SINGLE ADJACENT	CARSON CITY DRAWING NO. C-5.3.8 DATE 7/2009



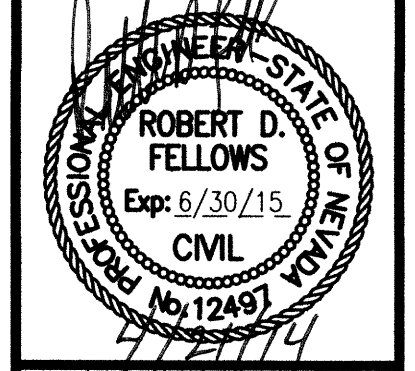
- NOTES:**
1. RETAINING CURB TO BE USED IN ALL CASES. MAINTAIN SLOPE OF SIDEWALK OUTSIDE OF CURB RAMP.
 2. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1		7/09	MID BLOCK CURB RAMP	CARSON CITY DRAWING NO. C-5.3.9 DATE 7/2009



DESIGNED BY: RF
 DRAWN BY: DLO
 CHECKED BY: RF
 DWG NO.: HB-SRTS-06018.09
 SCALE (HORIZ): 1"=50'
 SCALE (VERT): N/A
 PLOT DATE: 4/17/14

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



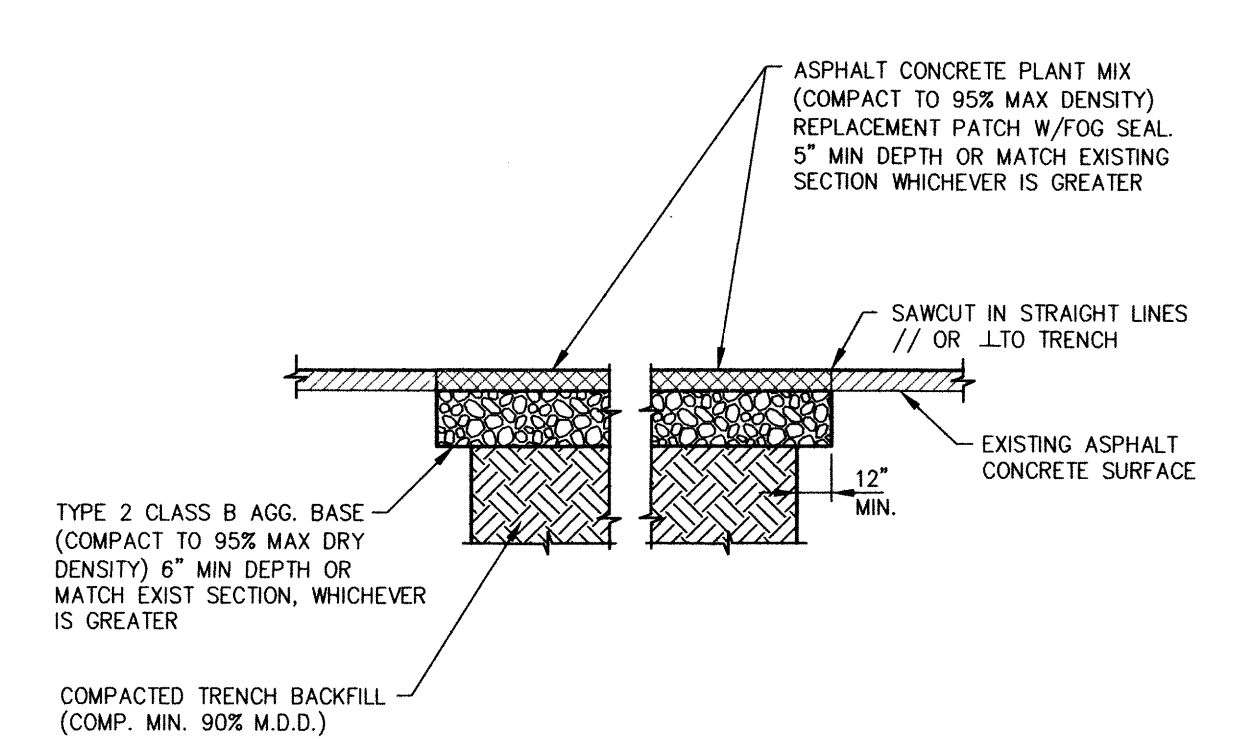
REV.	DATE	DESCRIPTION

SAFE ROUTE TO SCHOOL
 HELLS BELLS PEDESTRIAN IMPROVEMENTS
 PROJECT No. 03.1206
 PAVING DETAILS

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 11

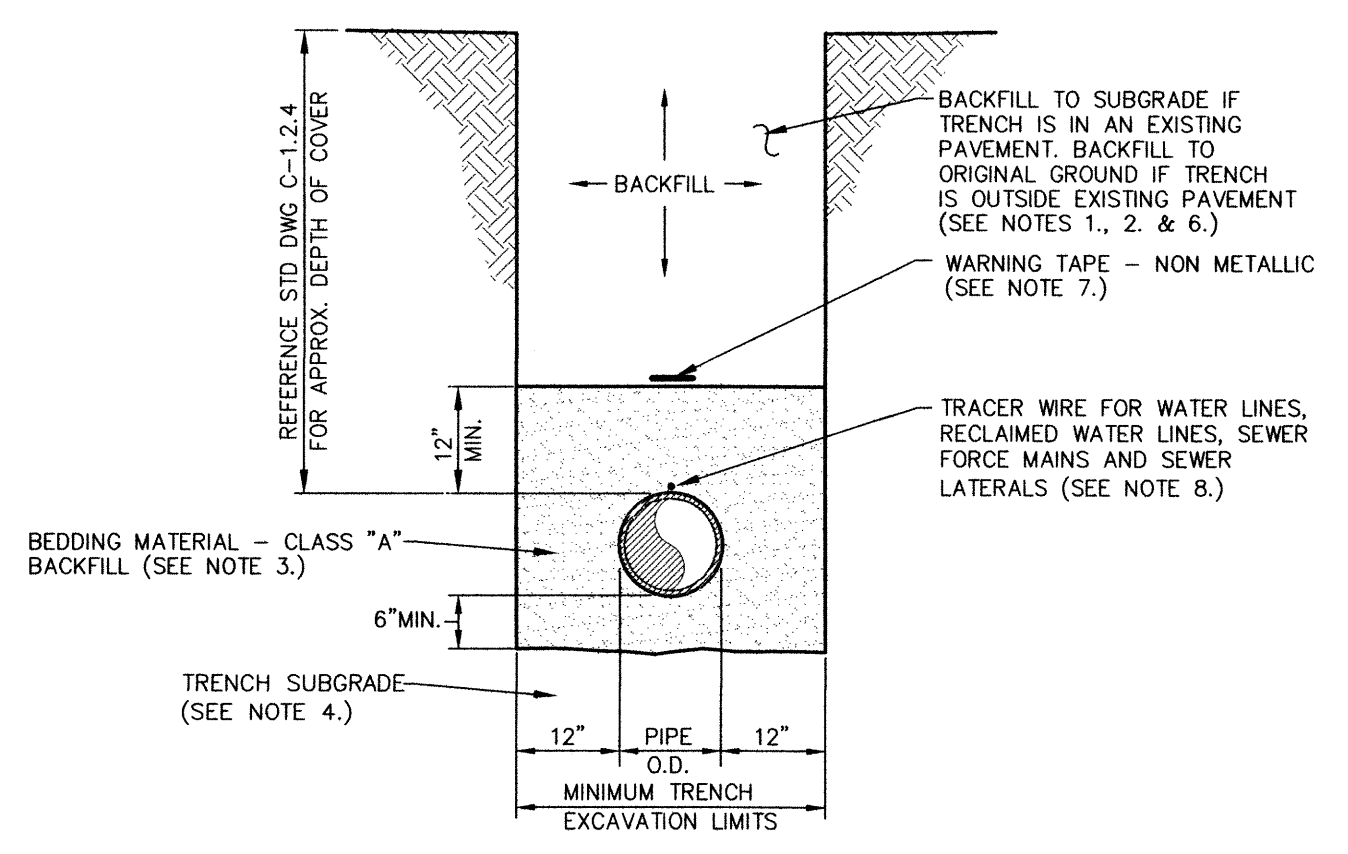
FEDERAL PROJECT NUMBER: SI-0025(022) NDOT PROJECT NUMBER: 73740
 FOR BIDDING PURPOSES ONLY

H:\PROJECTS\3.1206 Hells Bells Ped Improvements\SRIS-06018.dwg 4/17/14



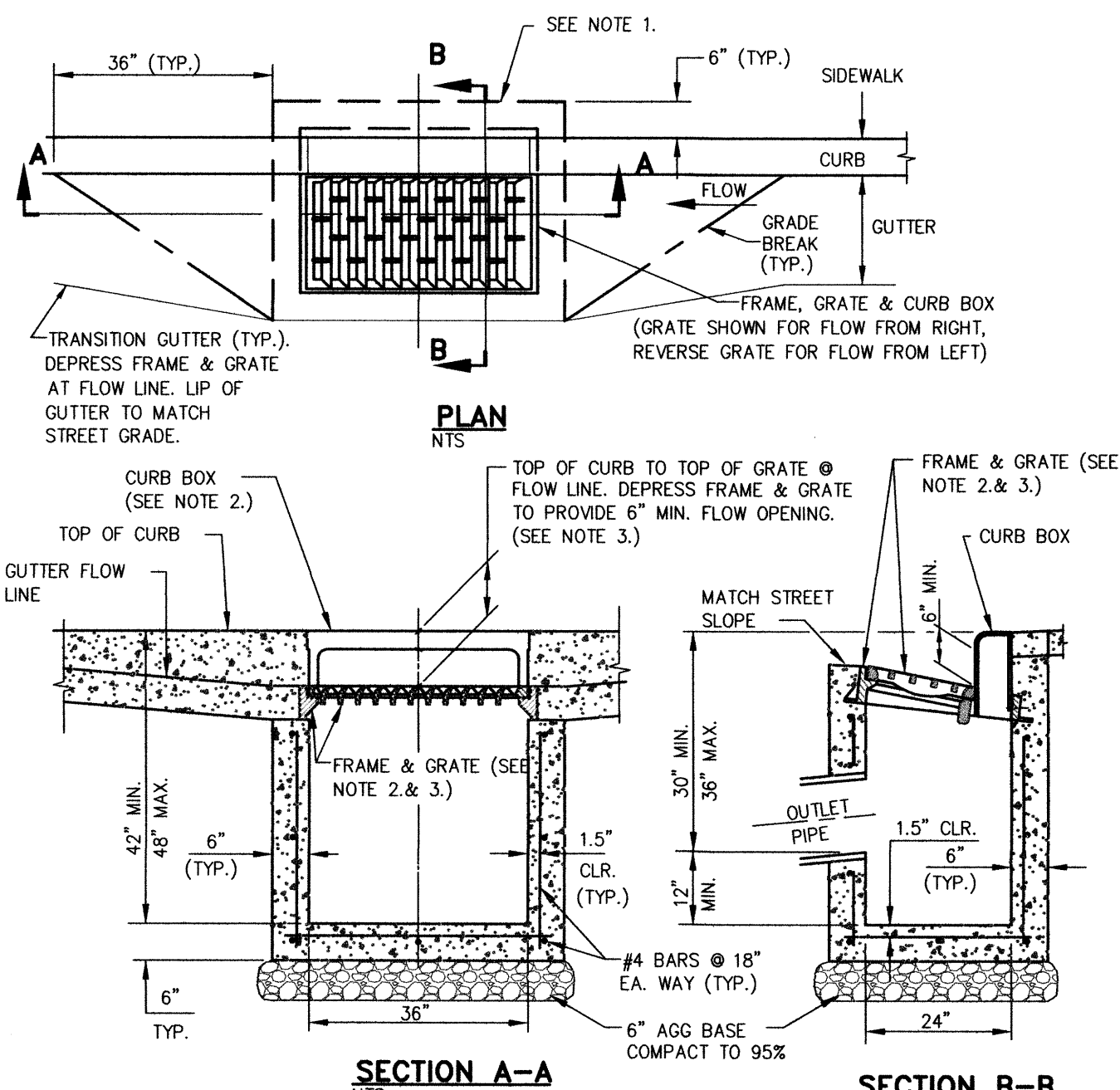
- NOTES:**
- IF SAWCUT IS WITHIN 24 INCHES OF EDGE OF A.C. PAVEMENT REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
 - BITUMINOUS MATERIAL SHALL MEET THE REQUIREMENTS OF SECTIONS 201 AND 320 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 - MIXING, SPREADING, AND COMPACTING 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		CARSON CITY
PAVEMENT PATCH				DRAWING NO. C-5.1.6
APPROVED BY:				DATE 7/2009



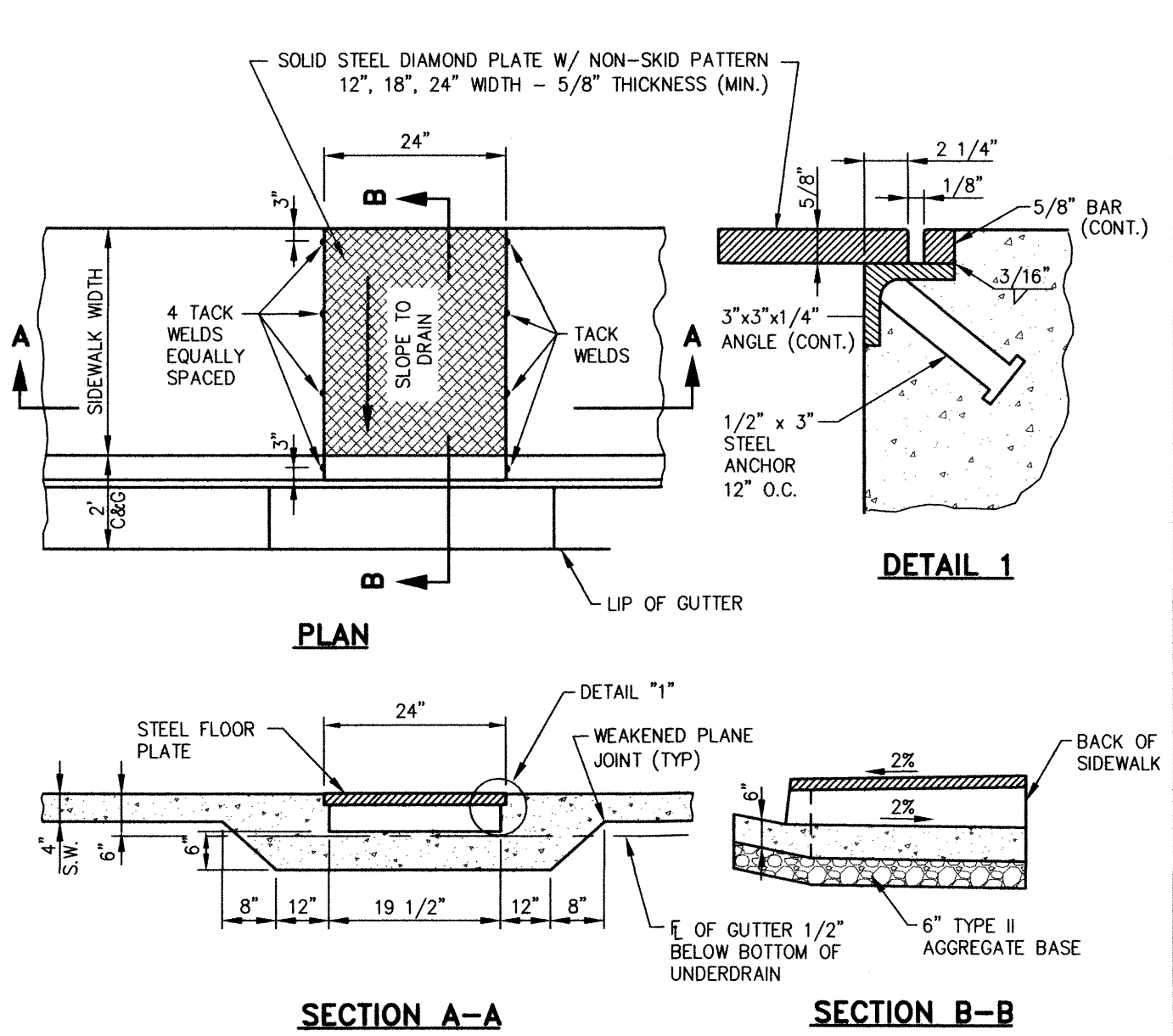
- NOTES:**
- WATER DENSIFIED BACKFILL AND TUNNELING SHALL BE BY SPECIAL PROVISION ONLY.
 - BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CLASS B BACKFILL AS SPECIFIED IN SUBSECTION 200.03.06 OF THE SSPWC. MATERIAL SHALL BE PLACED IN LIFT THICKNESS SPECIFIED IN SUBSECTION 305.10 OF THE SSPWC AND DENSIFIED 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 GUTTOFF 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-5.1.6).
 - 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.
 - 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 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 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
TRENCH EXCAVATION AND BACKFILL				DRAWING NO. C-1.2.1 (305)
APPROVED BY:				DATE 7/2009



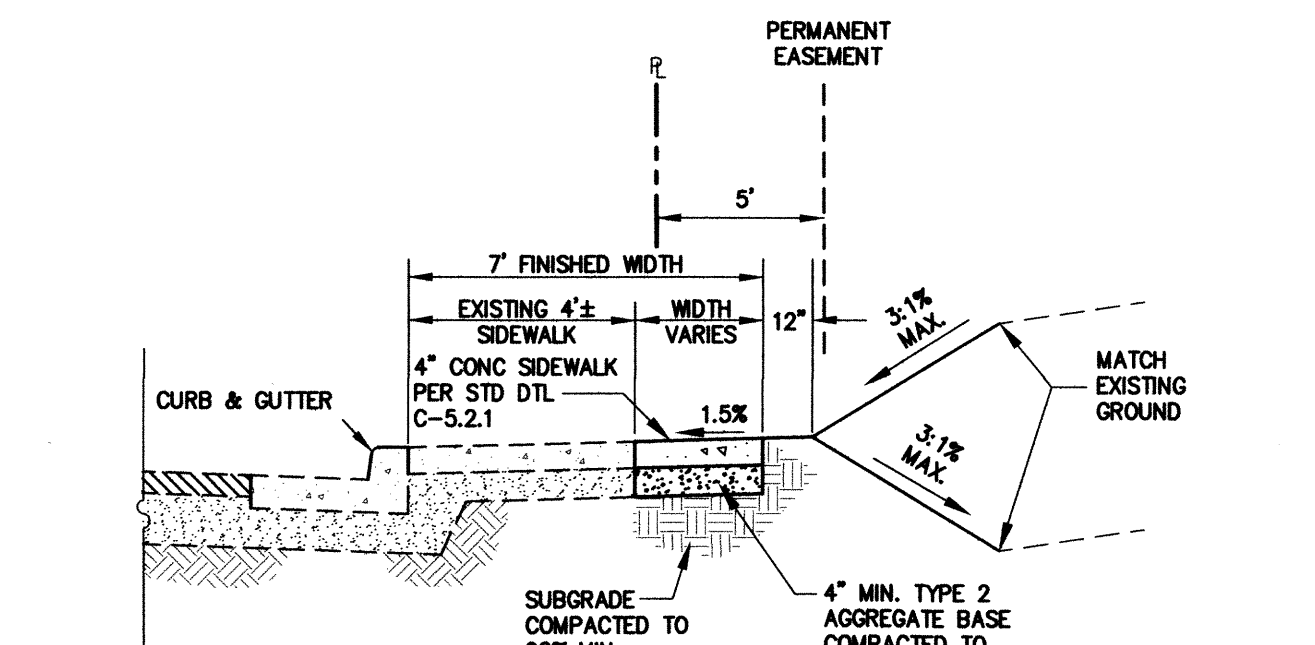
- NOTES:**
- IF NO SIDEWALK IS PRESENT, POUR 6 INCH CONCRETE CURB STRUCTURE BEHIND GRATE AND THE BEAM INTO BOX.
 - FRAME SHALL BE NEENAH R-3295 OR R-3087 SINGLE CURB UNIT WITH COMPLIANT TYPE L "VANE GRATE" AND CURB BOX, SOUTH BAY FOUNDRY VANE GRATE SOUTH BAY FOUNDRY 1947 OR APPROVED EQUAL, INSTALLED 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 NEENAH 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
CATCH BASIN TYPE 4-R				DRAWING NO. C-4.1.5
APPROVED BY:				DATE 7/2009

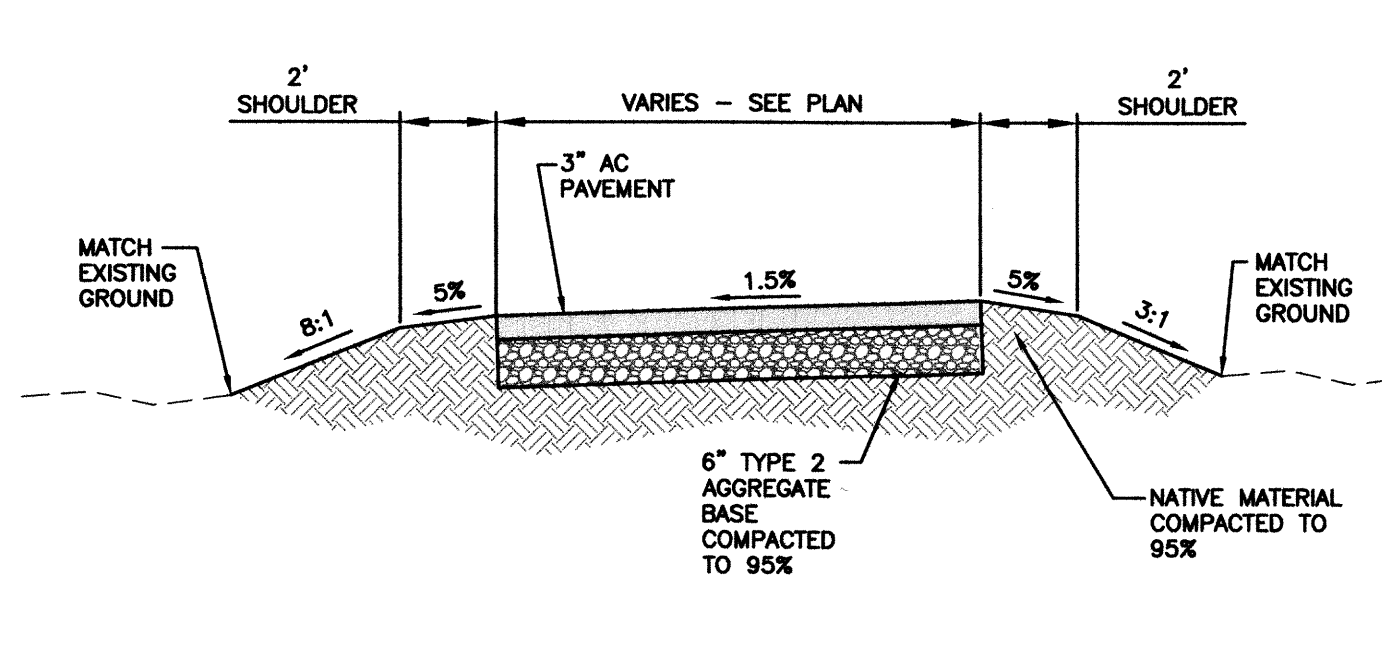


- NOTES:**
- IF WIDTH OF PLATE IS GREATER THAN 24 INCHES, A SPECIAL DESIGN IS REQUIRED.
 - ALL EXPOSED METAL PARTS SHALL BE GALVANIZED AND ALL GALVANIZING DAMAGED BY FABRICATION OR INSTALLATION SHALL RECEIVE TWO COATS OF ALUMINUM PAINT (GALVONOX OR EQUAL).
 - SHARP EDGES SHALL BE GROUND OFF AND PAINTED.
 - FIBER-REINFORCED PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, MIN. 6 BAGS 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.
 - BASE BENEATH CONCRETE DRAIN SUPPORT STRUCTURE SHALL BE 6 INCH MIN. TYPE 2, CLASS B AGGREGATE BASE, COMPACTED TO A MINIMUM 95% OF MAXIMUM DRY DENSITY.

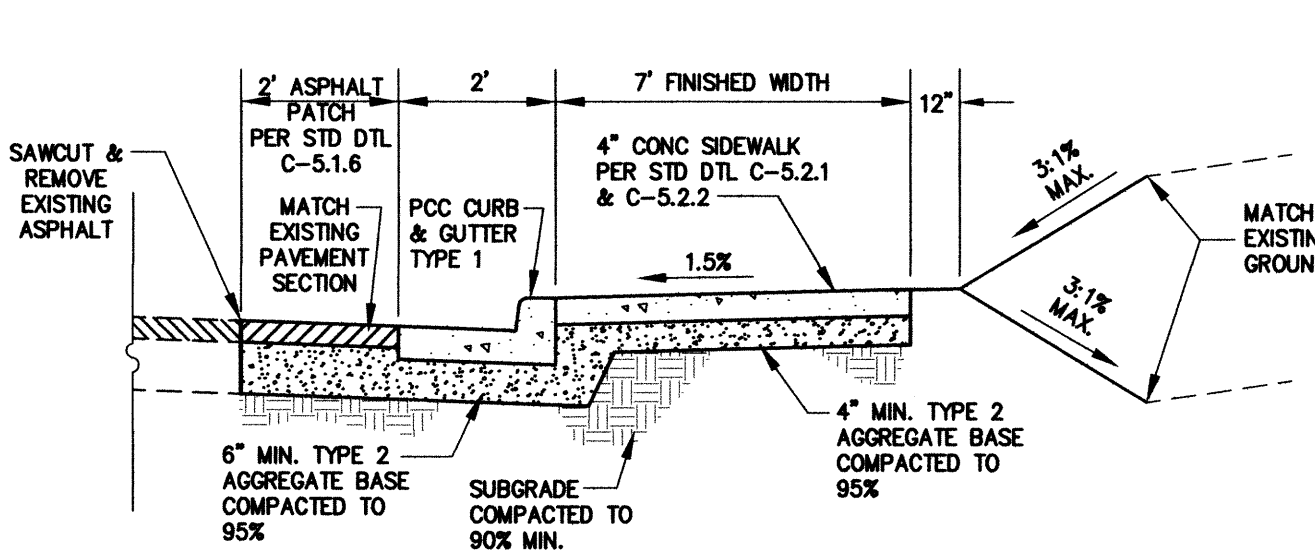
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
MODIFIED SIDEWALK CROSS-DRAIN				MODIFIED DRAWING NO. C-4.1.8
APPROVED BY:				DATE 12/2013



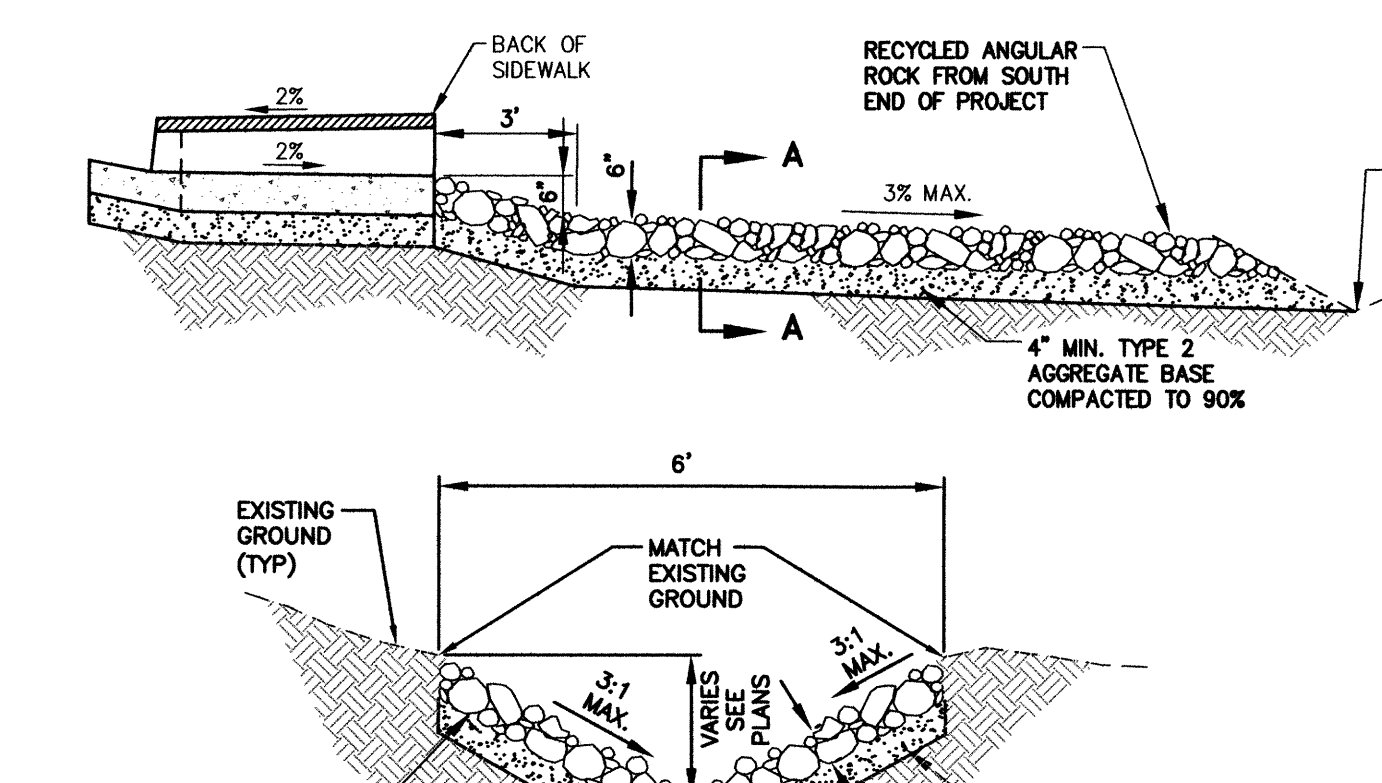
SIDEWALK SECTION EAST 5TH STREET, SOUTH SIDE
NOT TO SCALE



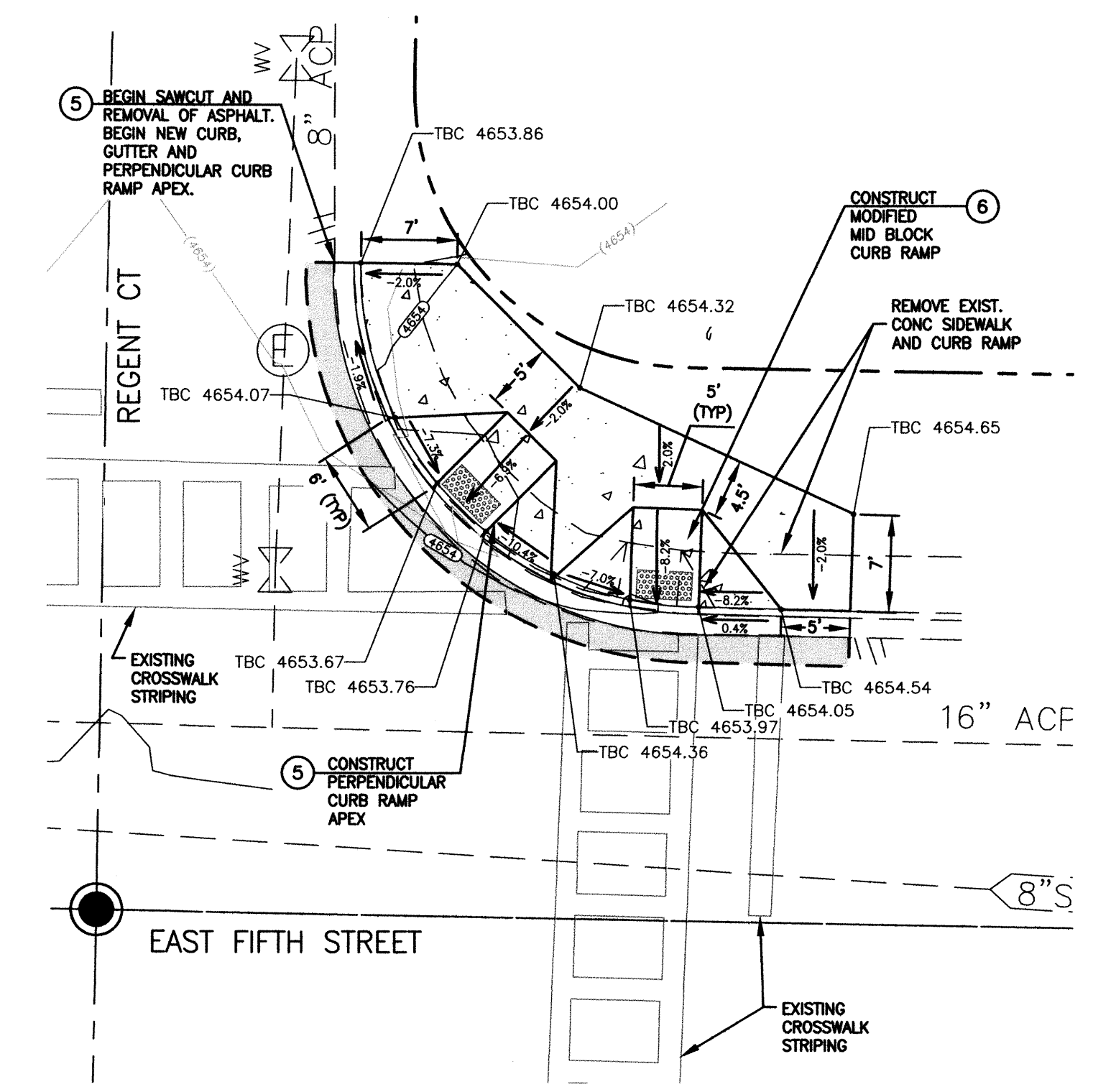
PATHWAY RECONSTRUCTION SECTION MEXICAN DITCH TRAIL
NOT TO SCALE



SIDEWALK SECTION EAST 5TH STREET, NORTH SIDE
NOT TO SCALE



DRAINAGE CHANNEL MEXICAN DITCH TRAIL
NOT TO SCALE



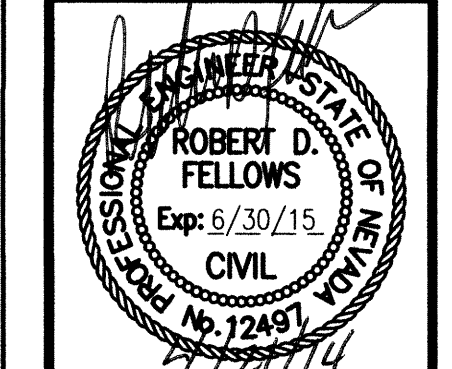
CONSTRUCTION NOTES

- INSTALL PERPENDICULAR CURB RAMP APEX PER STD DTL C5.3.3. SAWCUT AND REPLACE 2" MIN ASPHALT PER STD DTL C-5.1.6.
- INSTALL MODIFIED MID BLOCK CURB RAMP PER STD DTL 1. SHT C6 AND STD DTL C5.3.3. SAWCUT AND REPLACE 2" MIN ASPHALT PER STD DTL C-5.1.6.

MODIFIED MID BLOCK CURB RAMP EAST 5TH STREET, NORTH SIDE
NOT TO SCALE

DESIGNED BY: RF
 DRAWN BY: DLO
 CHECKED BY: RF
 DWG NO.: HB SPTS-Details.dwg
 SCALE (HORIZ): 1"=50'
 SCALE (VERT): N/A
 PLOT DATE: 4/17/14

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

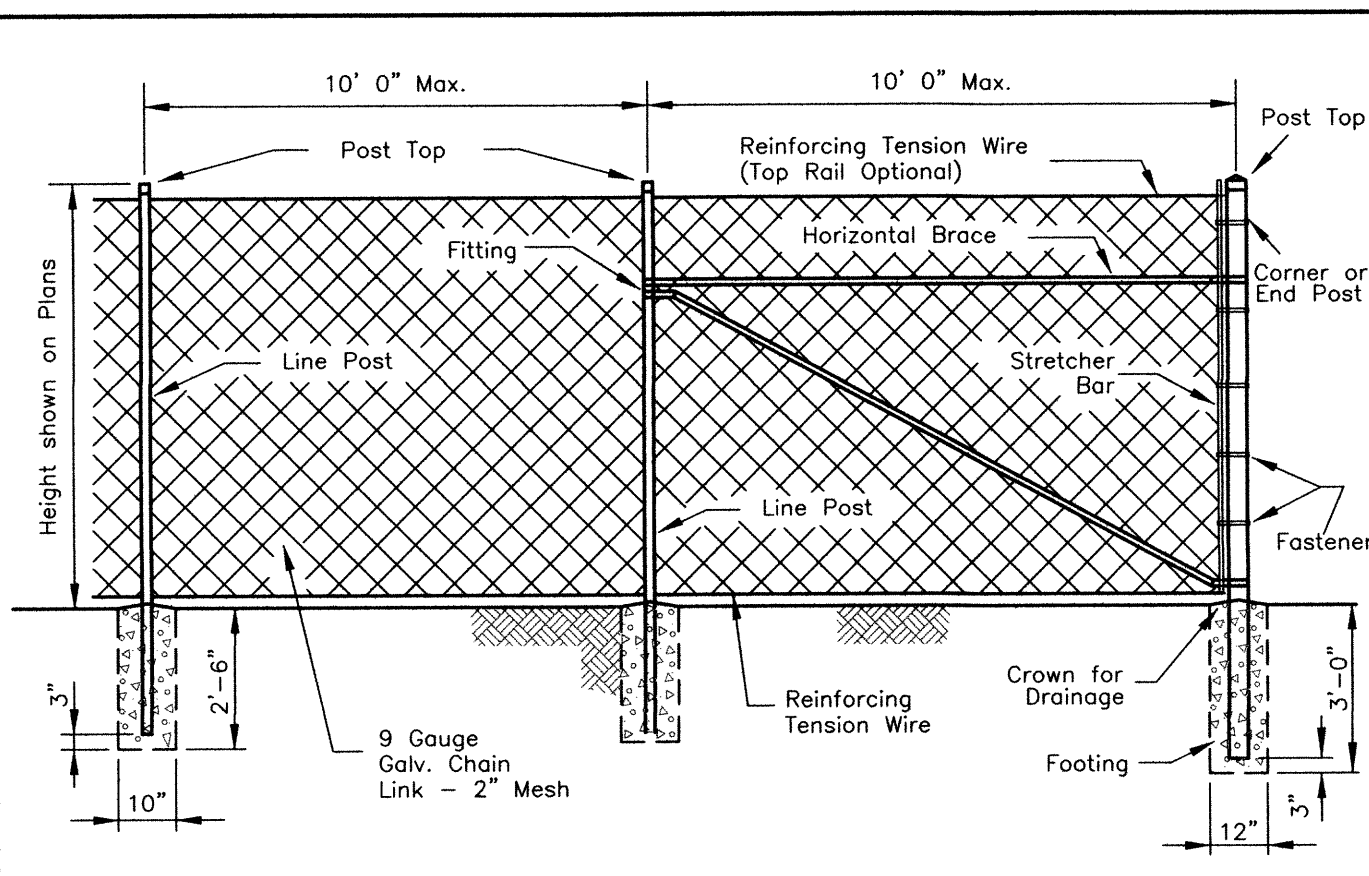


REV.	DATE	DESCRIPTION	BY	APP'D

SAFE ROUTE TO SCHOOL HELLS BELLS PEDESTRIAN IMPROVEMENTS
 PROJECT No. 03.1206
PAVING & STORM DRAIN DETAILS

SHEET **C6** OF 11

100% PLANS



NOTE:

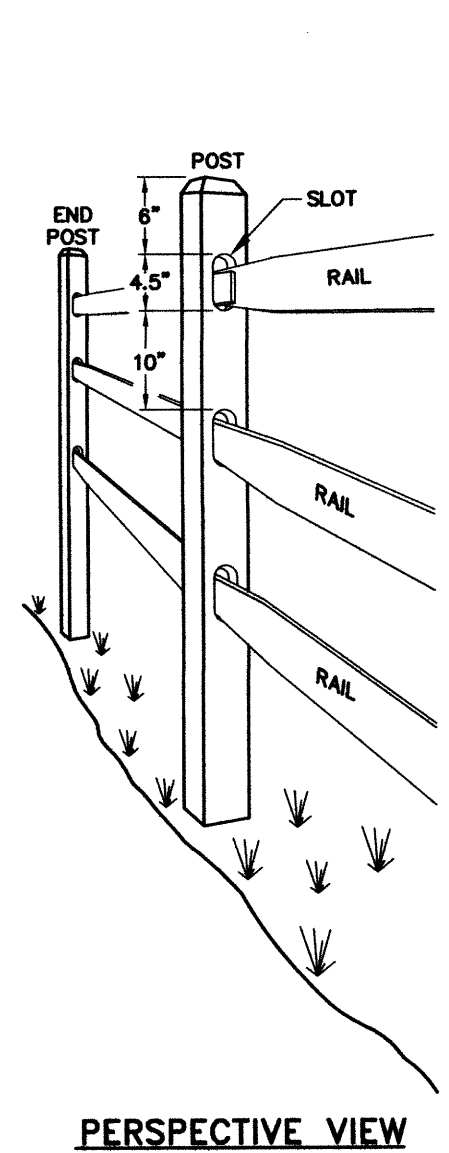
- Fencing shall be chain link and shall consist of galvanized chain link fabric on steel posts.
 - All post tops shall be fitted with suitable finials.
 - Braces shall be spaced approximately 12' below top of terminal posts and shall extend from end, gate, or corner posts to first adjacent line post.
 - All fittings shall be hot dipped galvanized malleable, cast iron, or pressed steel.
 - Top and bottom selvages of the fence shall have a twisted and barbed finish.
- Barbed Wire, Extension Arms, and Top Horizontal Rails shall be installed only when shown on the plans and/or called for in the special provisions.

TABLE 1
(for chain link fence 72" and less)

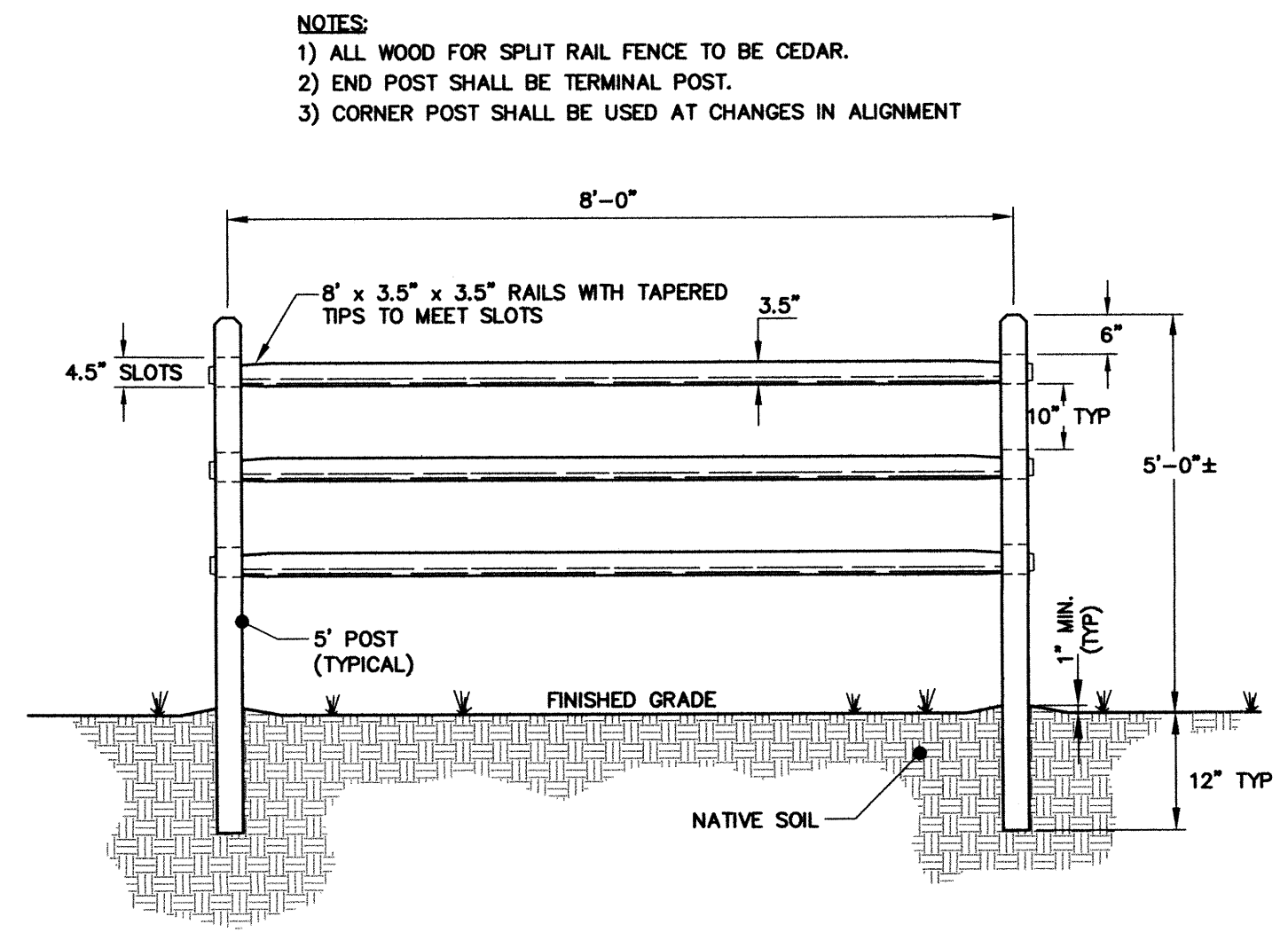
Location	Min. Size	Min. Weight (#/ft.)
End, Corner and Pull	2 3/8" O.D.	3.65
Line	1 7/8" O.D.	2.72
Braces	1 5/8" O.D.	2.27
Top Rail	1 5/8" O.D.	2.27

EXTENSION ARM AND BARBED WIRE

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			CHAIN LINK FENCE (72" High or Less)	1 DRAWING NO. 1-24.1 DATE 7/81 PAGE 34



PERSPECTIVE VIEW

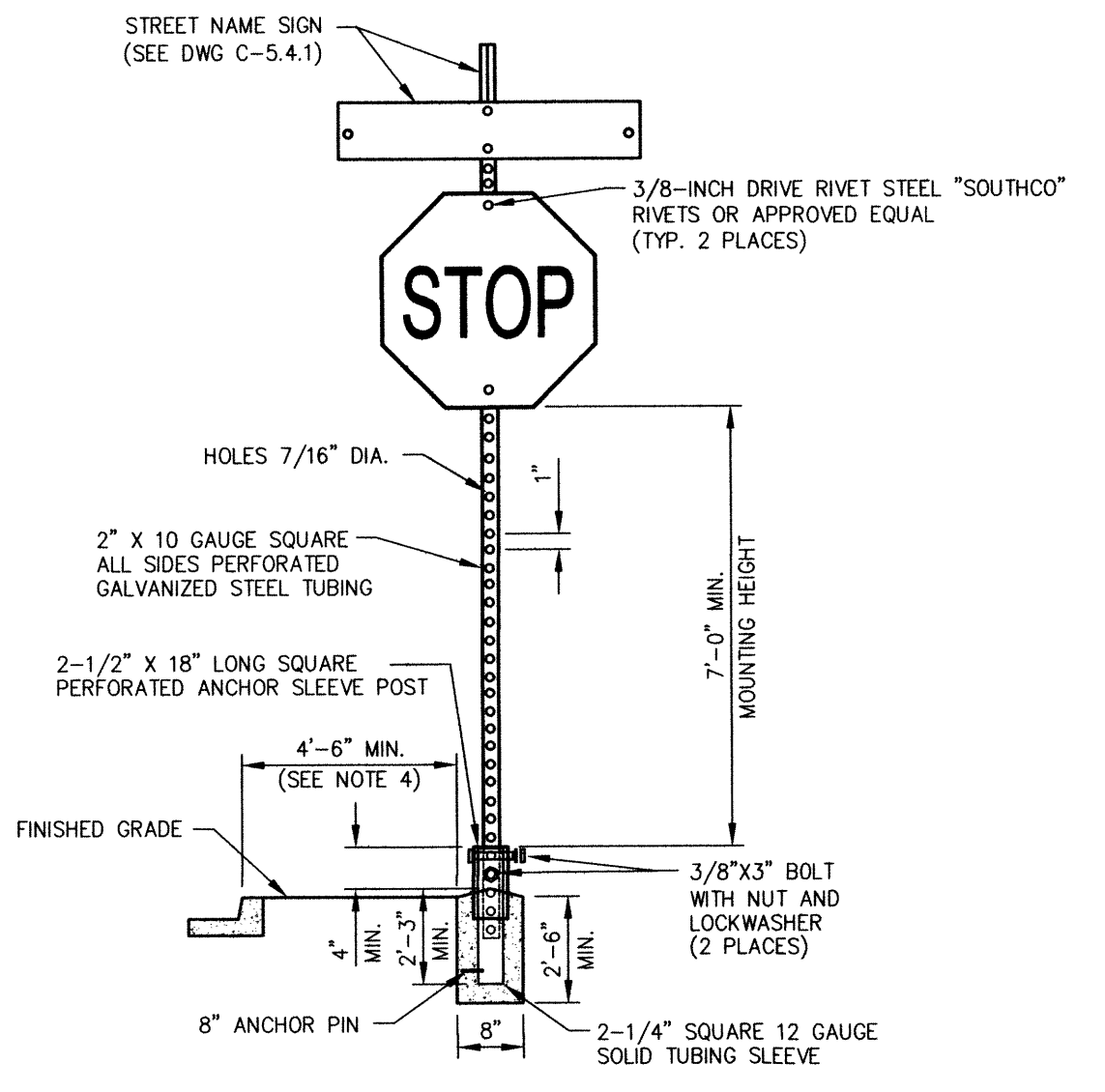


FRONT VIEW

NOTES:

- ALL WOOD FOR SPLIT RAIL FENCE TO BE CEDAR.
- END POST SHALL BE TERMINAL POST.
- CORNER POST SHALL BE USED AT CHANGES IN ALIGNMENT

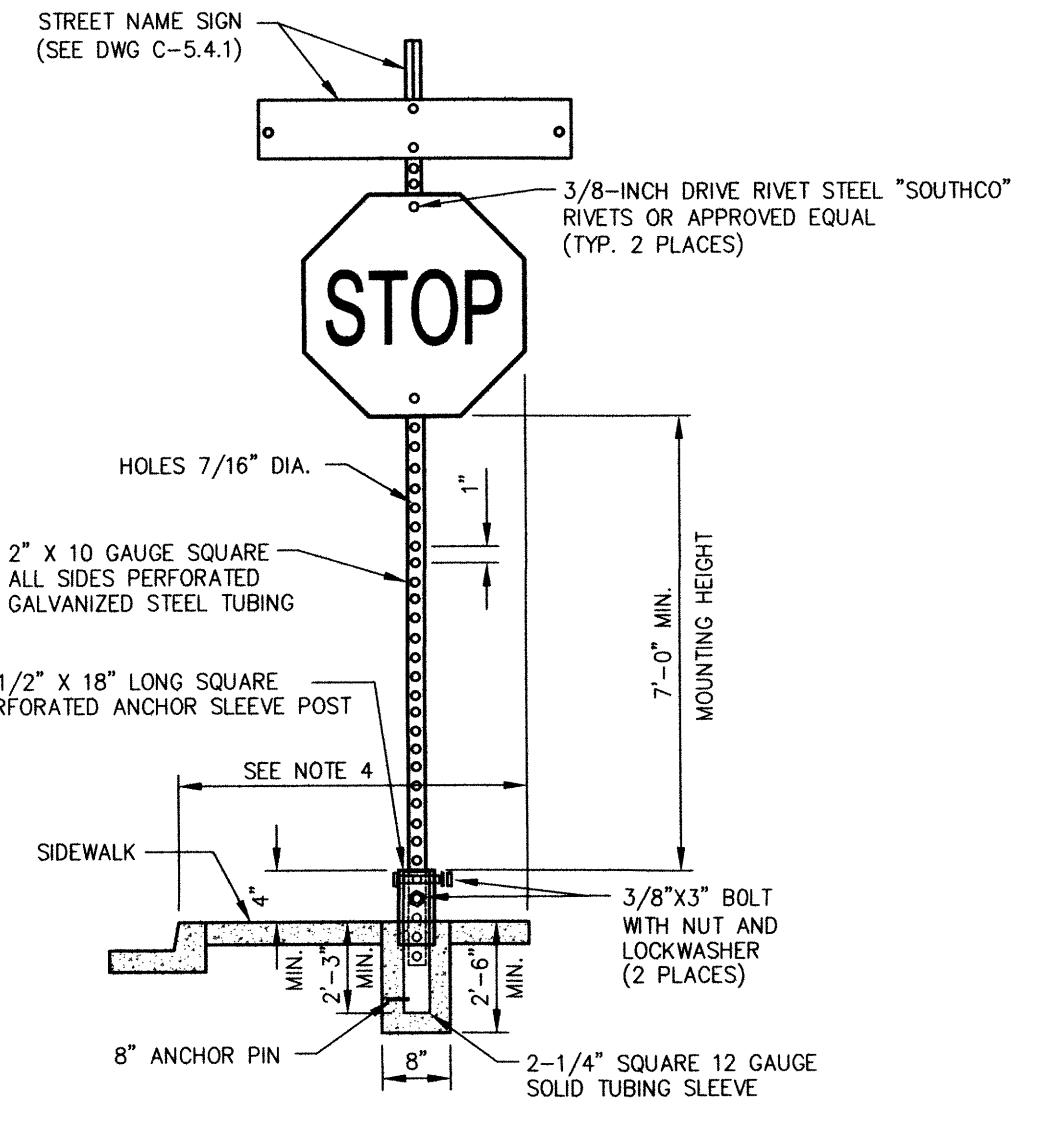
CEDAR SPLIT RAIL FENCE INSTALLATION (1)
NOT TO SCALE C7



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



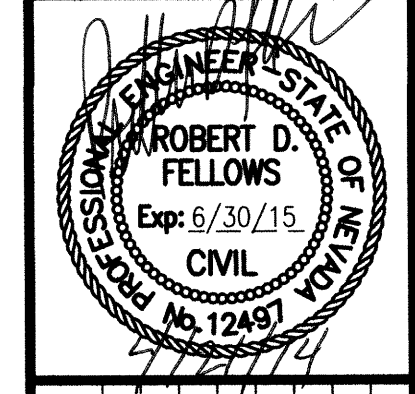
NOTES:

- 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.
- BACK EDGE OF SIGN SHALL BE EVEN WITH THE BACK EDGE OF SIDEWALK.
- ALL REGULATORY SIGNS SHALL USE ASTM TYPE 3 OR 4 INTENSITY SHEETING.

MODIFIED TRAFFIC SIGN INSTALLATION (2)
NOT TO SCALE C7

DESIGNED BY: RF
DRAWN BY: DLO
CHECKED BY: RF
DWG NO.: HB_SRTS-Details.dwg
SCALE (HORIZ): 1"=50'
SCALE (VERT): N/A
PLOT DATE: 4/17/14

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



REV.	DATE	DESCRIPTION	BY	APP'D

SAFE ROUTE TO SCHOOL
HELLS BELLS PEDESTRIAN IMPROVEMENTS
PROJECT No. 03.1206
FENCE, MARKING & MISCELLANEOUS CONSTRUCTION DETAILS

SHEET
C7
OF
11

100% PLANS

FEDERAL PROJECT NUMBER: SI-0025(022) NDOT PROJECT NUMBER: 73740
FOR BIDDING PURPOSES ONLY