

STREET IMPROVEMENT GENERAL NOTES

- ALL IMPROVEMENTS SHALL BE COMPLETED IN ACCORDANCE WITH THIS PLAN AND COMPLY WITH THE LATEST SAN BERNARDINO COUNTY ROAD PLANNING AND DESIGN STANDARDS MANUAL AS WELL AS THE SAN BERNARDINO COUNTY STANDARDS AND SPECIFICATIONS, AND THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS GENERAL PERMIT CONDITIONS AND TRENCH SPECIFICATIONS
- BENCH MARK DATA: SEE BOTTOM LEFT CORNER OF TITLEBLOCK. ELEVATION: 3616.50
- STREET MARKERS PER SAN BERNARDINO COUNTY STANDARD NO. 303, 304A AND 303B SHALL BE CONSTRUCTED AT EACH INTERSECTION.
- STREET MARKERS SHALL BE CONSTRUCTED AT EACH INTERSECTION IN ACCORDANCE WITH APPLICABLE SAN BERNARDINO COUNTY STANDARDS. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY AND STATE SPECIFICATIONS.
- A PERMIT WILL BE REQUIRED FROM THE COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY ENCROACHMENT OR CONSTRUCTION WITHIN THE COUNTY OF SAN BERNARDINO EASEMENT OR RIGHTS-OF-WAY.
- LEAVE 8"X8" BLOCKOUTS IN SIDEWALKS FOR MAILBOXES, ETC. WHEN SIDEWALK IS PLACED ADJACENT TO CURB.
- IF ASPHALT CONCRETE IS TO BE PLACED DIRECTLY ON SUBGRADE OF ROAD OR DRAINAGE FACILITIES A SOIL STERILANT REGISTERED BY THE E.P.A. FOR USE UNDER A.C. AND P.C.C. SHALL BE UNIFORMLY APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE FOR THE FULL PAVEMENT WIDTH PRIOR TO PAVING.
- THE PAVEMENT SECTION WILL BE DETERMINED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PAVEMENT ENGINEER, AND WILL BE BASED ON APPLICANT'S SUBMITTALS AS REQUIRED BY THE DPW TRANSPORTATION DIVISION'S "GENERAL PERMIT CONDITIONS AND TRENCH SPECIFICATIONS" IN ACCORDANCE WITH YOUR TRANSPORTATION DEPARTMENT PERMIT. THIS DOCUMENT IS AVAILABLE ONLINE AT <http://cms.sbcounty.gov/dpw/Operations/PermitsOperationsSupportDivision/Transportation.aspx> PLEASE CONTACT YOUR TRANSPORTATION PERMIT INSPECTOR AND SUBMIT THE REQUIRED INFORMATION AS EARLY AS POSSIBLE TO AVOID CONSTRUCTION DELAYS. ALLOW UP TO 3 WEEKS FOR THE PAVEMENT SECTION DETERMINATION.
- COMPACTION TESTS OF EMBANKMENT CONSTRUCTION, TRENCH BACKFILL, COMPACTING ORIGINAL GROUND, ALL SUBGRADES SHALL BE PERFORMED AT NO COST TO SAN BERNARDINO COUNTY. WRITTEN REPORT WITH THESE COMPACTION TESTS SHALL BE SUBMITTED TO THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS, PERMITS/OPERATION SUPPORT DIVISION, TRANSPORTATION PERMIT SECTION FOR APPROVAL PRIOR TO PLACEMENT OF BASE MATERIALS AND/OR SURFACING.
- AT THE COMPLETION OF PAVING, A MATERIALS REPORT SHALL BE SUBMITTED TO THE SAN BERNARDINO COUNTY PUBLIC WORKS DEPARTMENT, PERMITS/OPERATION SUPPORT DIVISION, TRANSPORTATION PERMIT SECTION, LISTING ALL TESTS OR DETERMINATIONS COMPLETED TO VERIFY:
 - R-VALUE, SIEVE ANALYSIS AND SAND EQUIVALENT OF AGGREGATE BASES.
 - STABILITY, OIL CONTENT AND SIEVE ANALYSIS OF ASPHALT SURFACING.
- THE WATER MAINS AND THE GAS MAINS SHALL BE PLACED UNDERGROUND PRIOR TO PAVING CONSTRUCTION. THE SERVICE LATERALS FOR THE WATER SYSTEM SHALL BE INSTALLED AT A LATER DATE. WHERE IT IS NECESSARY TO CROSS PAVEMENT, SERVICE LATERALS SHALL BE BORED INTO PLACE.
- FILL AND GRADE TO DRAIN ALL LOW AREAS ABUTTING TRACT ROADS TO A MINIMUM OF 1% GRADES.
- ALL LATERAL CUTS INTO COUNTY MAINTAINED ROADWAYS SHALL BE TESTED TO VERIFY TO 90% RELATIVE COMPACTION (R.C.) AT VARYING DEPTHS TO WITHIN 0.5' OF GRADING PLANE. THE TOP 0.5' SHALL BE DENSIFIED TO 95%.
- ALL LONGITUDINAL CUTS SHALL BE TESTED IN ACCORDANCE WITH THE SPECIFIED LIMITS AND AS OUTLINED IN SECTION 6 OF THE SAN BERNARDINO COUNTY STANDARDS AND SPECIFICATIONS.
- IMMEDIATELY FOLLOWING REMOVAL OF EXISTING PAVEMENT OR DIKE OR CURB AND/OR GUTTER, THE CONTRACTOR SHALL DILIGENTLY PURSUE THIS PORTION OF WORK UNTIL COMPLETION.
- DEPARTMENT OF PUBLIC WORKS APPROVAL DOES NOT INCLUDE WATER SEWER SYSTEM OR ESTIMATE OF QUANTITIES.
- EXPANSIVE SOILS: IN EXPANSIVE SOIL AREAS, THE SUBGRADE UNDER CURBS, GUTTERS, SIDEWALK AND DRIVEWAY APPROACHES SHALL BE SCARIFIED TO THE DEPTH OF AT LEAST EIGHT (8) INCHES AND MOISTURE SHALL BE APPLIED TO MAINTAIN FREE WATER ON THE SURFACE FOR AT LEAST 24 HOURS PRIOR TO PLACING CONCRETE AND THE SUBGRADE SHALL THEN BE PREPARED WITHOUT COMPACTION EFFORT.
- CURB AND GUTTER, CROSS GUTTER AND SPANDRELS SHALL BE SO CONSTRUCTED THAT A MINIMUM OF PONDING OCCURS; SECTIONS HAVING GRADIENTS OF 0.5% OR FLATTER SHALL BE WATER TESTED IN THE PRESENCE OF THE INSPECTOR IMMEDIATELY PRIOR TO ACCEPTANCE. SECTIONS WHICH HAVE WATER PONDING MORE THAN 6" WIDE OR MORE THAN 4' LONG SHALL BE SAW-CUT AND REMOVED IN LENGTHS NOT LESS THAN 4' AND REPLACED TO REDUCE PONDING TO THE MAXIMUM SPECIFIED.
- IF DURING CONSTRUCTION, GROUND WATER IS ENCOUNTERED, A SYSTEM APPROVED BY THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS SHALL BE INSTALLED TO DEWATER SAID AREA AT THE DIRECTION OF THE SOILS ENGINEER.
- THIS PRIVATE ROAD SHALL NOT BE ENTERED INTO THE COUNTY MAINTAINED ROAD SYSTEM.
- THE ENGINEER SHALL INSPECT AND CERTIFY THAT ALL PRIVATE ROAD AND DRAINAGE IMPROVEMENTS HAVE BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS.
- ALL 0.40% OR LESS CURB GRADE LINES SHALL BE STAKED AT 25' INTERVALS AND FORMS CERTIFIED BY THE ENGINEER BEFORE POURING CONCRETE.
- EXISTING COUNTY ROADS THAT WILL REQUIRE RECONSTRUCTION SHALL REMAIN OPEN FOR TRAFFIC AT ALL TIMES WITH ADEQUATE DETOURS DURING ACTUAL CONSTRUCTION.
- THE PRIVATE ENGINEER IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISE THE PLAN FOR APPROVAL BY THE COUNTY OF SAN BERNARDINO.
- SHOULD ANY EXISTING STOP SIGN BE LOCATED ON A DEVELOPED CORNER OF AN INTERSECTION, IT MUST BE MAINTAINED IN PLACE NEXT TO THE EXISTING PAVEMENT UNTIL SUCH TIME AS THE WIDENED ROADWAY IS OPEN FOR TRAFFIC. AT THAT TIME, IT WILL BE RELOCATED THREE (3) FEET BEHIND THE NEW CURB IN THE VICINITY OF THE BEGINNING OF THE CURB RETURN OR AS OTHERWISE DIRECTED BY THE ENGINEER.

SAN BERNARDINO COUNTY TRAFFIC CONTROL - GENERAL NOTES

- NOTE 1: ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- NOTE 2: ALL STRIPING AND PAVEMENT MARKINGS SHALL BE PAINTED IN CONFORMANCE WITH THE 2018 CALTRANS STANDARD PLANS DATED MAY 31, 2018.
- NOTE 3: ALL STRIPING (LONG LINE) AND PAVEMENT MARKINGS SHALL BE RETROREFLECTIVE PAINT.
- NOTE 4: ALL SIGNS SHALL BE OF HIGH INTENSITY (FHWA TYPE III/IV) RETROREFLECTIVE SHEETING EXCEPT:
- STOP SIGNS SHALL BE DIAMOND GRADE (FHWA TYPE VII IN RURAL SETTINGS AND TYPE IX IN URBAN SETTINGS)
 - "NO PARKING" SIGNS SHALL BE OF SUPER ENGINEERING GRADE (FHWA TYPE II) RETROREFLECTIVE SHEETING.
 - SCHOOL SIGNS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) FLUORESCENT YELLOW-GREEN (FYG) RETROREFLECTIVE SHEETING.
 - STREET NAME MARKERS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) RETROREFLECTIVE SHEETING AND CONFORM TO COUNTY STANDARD 303.
 - CONSTRUCTION SIGNS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) FLUORESCENT ORANGE RETROREFLECTIVE SHEETING.
- NOTE 5: ALL DELINEATORS, CHANNELIZERS, AND OBJECT MARKERS SHALL BE OF FHWA TYPE VII RETROREFLECTIVE SHEETING.
- NOTE 6: SIGNS SHALL BE MOUNTED ON METAL POSTS SIMILAR TO COUNTY STANDARDS 303(A) AND 303(B).
- NOTE 7: ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON PLANS SHALL BE REMOVED BY THE CONTRACTOR. REMOVAL SHALL BE ACCOMPLISHED BY SANDBLASTING, GRINDING, OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- NOTE 8: ALL CONFLICTING SIGNS SHALL BE REMOVED, RELOCATED, OR COVERED BY THE CONTRACTOR. RELOCATABLE SIGNS SHALL BE INSTALLED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- NOTE 9: ALL UNPROTECTED LOCATIONS RESULTING IN ISOLATED ABRUPT DEPRESSIONS OR ELEVATED OBJECTS (I.E. CATCH BASINS, HEADWALLS, POWER POLES, END TREATMENT OF ASPHALT DIKES AND CONCRETE CURBS) SHALL BE PROTECTED BY DELINEATORS OR BARRIERS PER THE CALIFORNIA MUTCD LATEST EDITION.
- NOTE 10: ALL EXISTING SIGNING, STRIPING AND PAVEMENT MARKINGS (I.E. CROSS STREET STOP, STOP LIMIT LINE, AND CROSSWALK IF REMOVED/OBLITERATED, SHALL BE REPLACED/RESTORED OF SAME KIND, AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION. PAVEMENT MARKINGS) NOT SHOWN ON PLANS.
- NOTE 11: THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL INTERVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.

DECLARATION OF ENGINEER OF RECORD

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS SHOWN ON THESE PLANS COMPLIES WITH ALL PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER OF RECORD FOR THE PLANS, I ASSUME FULL RESPONSIBILITY FOR THE DESIGN OF THE IMPROVEMENTS. WITH RESPECTS TO THE PLAN CHECK PERFORMED BY THE COUNTY OF SAN BERNARDINO, I UNDERSTAND AND ACKNOWLEDGE THE FOLLOWING: (1) THE PLAN CHECK IS A REVIEW FOR THE LIMITED PURPOSE OF ENSURING THE PLANS COMPLY WITH THE COUNTY'S STANDARDS, PROCEDURES, POLICIES, AND ORDINANCES, (2) THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS, AND (3) THE PLAN CHECK DOES NOT RELIEVE ME OF MY LEGAL AND PROFESSIONAL RESPONSIBILITY FOR THE DESIGN OF THE IMPROVEMENTS. AS THE ENGINEER OF RECORD, I AGREE TO DEFEND, INDEMNIFY, AND HOLD HARMLESS THE COUNTY, ITS ELECTED OFFICIALS, EMPLOYEES, AND AGENTS FROM ANY AND ALL ACTUAL OR ALLEGED CLAIMS, DEMANDS, CAUSES OF ACTION, LIABILITY, LOSS, DAMAGE, OR INJURY TO PROPERTY OR PERSON, INCLUDING WRONGFUL DEATH, WHETHER IMPOSED BY A COURT OF LAW OR BY ADMINISTRATIVE ACTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENTAL AGENCY, ARISING OUT OF OR INCIDENT TO ANY NEGLIGENCE, ACTS, OMISSIONS, OR ERRORS BY THE ENGINEER OF RECORD, ITS EMPLOYEES, CONSULTANTS, OR AGENTS.

Signature of Engineer of Record/License Number: _____ (Date) 1-27-2023

ROBERT A. KILPATRICK
(Print Name)

STREET IMPROVEMENT PLAN APN 3066-261-10 SHEEP CREEK ROAD

ABBREVIATIONS

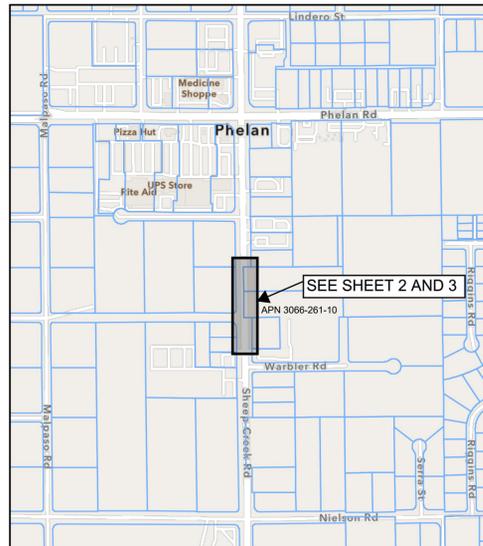
- AP ASPHALT PAVEMENT
- BC BEGIN CURVE
- BVC BEGIN VERTICAL CURVE
- BCR BEGIN CURB RETURN
- BOT BOTTOM
- BW BACK OF WALK
- C&G CURB AND GUTTER
- CB CATCH BASIN
- CF CUBIC FEET
- CFS CUBIC FEET PER SECOND
- CL OR CL CENTERLINE
- CONST CONSTRUCTION
- DWY DRIVEWAY
- EC END CURVE
- ECR END CURB RETURN
- EG EXISTING GROUND
- EP OREOP EDGE OF PAVEMENT
- EVC END VERTICAL CURVE
- EXIST OR EX EXISTING
- FG FINISHED GRADE
- FI FIRE HYDRANT
- FL FLOW LINE
- FPS FEET PER SECOND
- FS FINISHED SURFACE
- FUT FUTURE
- GB GRADE BREAK
- HP HIGH POINT
- INT INTERSECTION
- INV INVERT
- LF LINEAR FEET
- LOC LENGTH OF CURVE
- LP LOW POINT
- LT LEFT
- MH MANHOLE
- MVC MIDDLE OF VERTICAL CURVE
- P/L PROPERTY LINE
- PCR POINT OF REVERSE CURVE
- PROPOSED
- PVC POLYVINYL CHLORIDE PIPE
- PVI POINT OF VERTICAL INTERCEPTION
- R/W RIGHT OF WAY
- RCP REINFORCED CONCRETE PIPE
- RT RIGHT
- S SLOPE
- SD STORM DRAIN LINE
- SL STREET LIGHT
- SWR SANITARY SEWER LINE
- STA STATION
- TC TOP OF CURB
- TF TOP OF FOOTING
- TW TOP OF WALL
- TYP TYPICAL
- TRANS TRANSITION
- V VELOCITY
- Vmax MAXIMUM VELOCITY
- VC VERTICAL CURVE
- W WIDTH
- WM WATER METER
- WTR WATER LINE
- INDICATES EXISTING ELEVATION
- INDICATES FINISH ELEVATION

LEGEND

- DIR TRAVELED WAY
- SLOPE
- CENTERLINE
- PROPERTY LINE
- RIGHT-OF-WAY
- FENCE
- FUTURE IMPROVEMENTS
- WALL/PLANTER
- POWER POLE
- GUY WIRE
- EXISTING FIRE HYDRANT
- EXISTING VALVE
- PEDESTAL
- STREET LIGHT
- STREET SIGN

PAVEMENT LEGEND

- PROPOSED AC PAVEMENT
- PROPOSED COLD MILL AND OVERLAY
- PROPOSED PCC PAVEMENT



DEMOLITION NOTES QUANTITIES

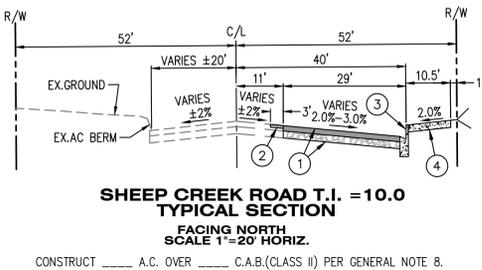
1	REMOVE EXISTING A.C. PAVEMENT	5760 S.F.
2	REMOVE EXISTING P.C.C. PAVEMENT	266 S.F.
3	REMOVE EXISTING P.C.C. DRIVEWAY APPROACH	670 S.F.
4	REMOVE EXISTING 8" CURB AND GUTTER	27 L.F.
5	REMOVE EXISTING PLANTER CURB	80 L.F.
6	REMOVE EXISTING CHAINLINK FENCING	390 L.F.
7	REMOVE EXISTING WOOD FENCING	90 L.F.
8	DEMOLISH AND REMOVE ABANDONED WATER RESERVOIR PER P.P.H.C.S.D. REQUIREMENTS	1 LOC.
9	REMOVE EXISTING WOOD SIGN	1 EA.
10	REMOVE EXISTING STRIPING	2700 L.F.
11	REMOVE REFLECTOR POST	1 EA.
12	REMOVE MAILBOX AND RELOCATE PER U.S.P.S. REQUIREMENTS	1 EA.
13	PROTECT EXISTING WATER GATE VALVE CAN IN PLACE. VALVE CAN TO BE ADJUSTED TO FINISHED GRADE. SEE STREET IMPROVEMENT PLAN SHEET No.3	6 EA.
14	PROTECT EXISTING FIRE HYDRANT/BLOW OFF ASSEMBLY IN-PLACE	1 EA.
15	PROTECT EXISTING WATER METER BOX IN-PLACE	1 EA.
16	REMOVE AND SALVAGE EXISTING FIRE HYDRANT ASSEMBLY AND RELOCATE PER SHEEP CREEK WATER COMPANY STANDARDS. SEE STREET IMPROVEMENT PLAN SHEET No.3	1 EA.
17	REMOVE AND SALVAGE EXISTING WATER METER/BOX AND RELOCATE PER SHEEP CREEK WATER COMPANY STANDARDS. SEE STREET IMPROVEMENT PLAN SHEET No.3	1 EA.
18	EXISTING UTILITY FACILITY TO BE RELOCATED AND/OR ADJUSTED. SEE STREET IMPROVEMENT PLAN SHEET No.3	1 EA.

NOTE TO CONTRACTOR

DEMOLITION, SIGNAGE / STRIPING AND CONSTRUCTION QUANTITIES SHOWN HEREON ARE ESTIMATED. THE CONTRACTOR WILL NEED TO PROVIDE THEIR OWN QUANTITY TAKEOFFS FOR BIDDING PURPOSES.

BASIS OF BEARINGS:

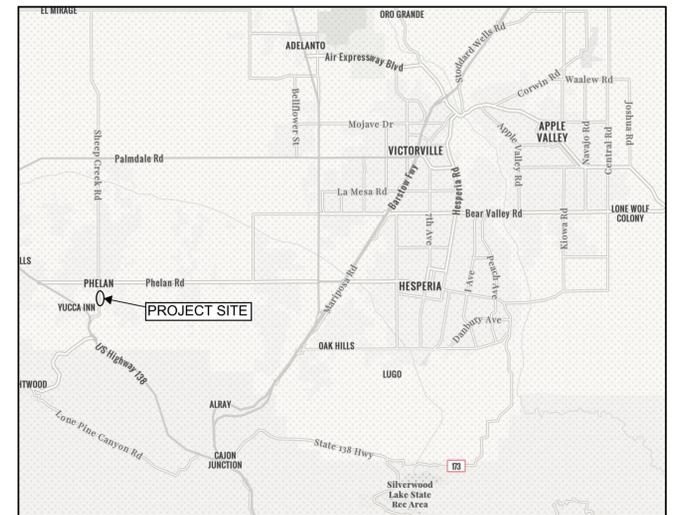
TAKEN FROM THE WEST LINE OF LOT 6 PER TRACT MAP 10838, M.B. 157/73-74 BEING: N00°32'01"W



PRIVATE ENGINEER'S NOTE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE DRAWINGS.

CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY OF SAN BERNARDINO, THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



SHEET INDEX

- SHEET 1: TITLE SHEET
- SHEET 2: DEMOLITION PLAN
- SHEET 3: STREET IMPROVEMENT PLAN
- SHEET 4: SIGNING AND STRIPING PLAN
- SHEET 5: SIGHT DISTANCE TRIANGLES
- SHEET 6: DETAILS

SIGNING AND STRIPING NOTES QUANTITIES

1	INSTALL 6" YELLOW TWO-WAY LEFT TURN LANE LINE PER CALTRANS STD. PLAN A20B, DETAIL 32 WITH RECESSED PAVEMENT MARKERS	509 L.F.
2	INSTALL DOUBLE 6" THICK WIDE YELLOW CENTER LINE STRIPING PER CALTRANS STD. PLAN A20A, DETAIL 22 WITH RECESSED PAVEMENT MARKERS	321 L.F.
3	PAINT LEGEND AS NOTED PER CALTRANS STANDARD PLAN A24D	1 LOC.
4	INSTALL 6" WHITE EDGE LINE STRIPING PER CALTRANS STANDARD PLAN A20B, DETAIL 27B	850 L.F.
5	INSTALL SIGN AS NOTED PER CA M.U.T.C.D. 2014 FIGURE 2A-2(CA)	5 EA.
6	PAINT 12" WHITE LIMIT LINE PER CALTRANS STANDARD PLAN A24E	1 LOC.
7	EXISTING ROAD SIGN TO REMAIN (PROTECT IN PLACE)	3 EA.
8	EXISTING PAVEMENT LEGEND TO REMAIN (PROTECT IN PLACE)	1 LOC.
9	INSTALL 6" WHITE SKIP STRIPING PER CALTRANS STD. PLAN A20A, DETAIL 9 WITH RECESSED PAVEMENT MARKERS	680 L.F.

CONSTRUCTION NOTES QUANTITIES

1	CONSTRUCT ____ A.C. OVER ____ C.A.B.(CLASS II) PER GENERAL NOTE 8	18,645 S.F.
2	COLD MILL 0.17" MIN. THICK OF EXISTING AC PAVEMENT PER S.B. COUNTY GENERAL PERMIT CONDITIONS AND TRENCH SPECIFICATIONS. OVERLAY WITH VARIABLE THICK AC PAVEMENT 3" IN WIDTH OR AS DIRECTED BY THE DPW ROAD INSPECTOR.	2,220 S.F.
3	CONSTRUCT 8"HEIGHT CURB AND GUTTER PER S.B.C. STD. PLAN No.115	456 L.F.
4	CONSTRUCT 4"THICK PCC SIDEWALK PER S.B.C. STD. PLAN No.109 TYPE "D"	5,778 S.F.
5	CONSTRUCT COMMERCIAL DRIVE APPROACH PER MODIFIED S.B.C. STD. PLAN No.129B. WIDTH PER PLAN	1,950 S.F.
6	ADJUST EXISTING WATER GATE VALVE CAN TO FINISHED GRADE	8 EA.
7	PROTECT EXISTING FIRE HYDRANT/BLOW OFF ASSEMBLY IN-PLACE. ADJUST TO FINISHED GRADE AS NECESSARY PER P.P.H.C.S.D. REQUIREMENTS	1 LOC.
8	PROTECT EXISTING WATER METER BOX IN-PLACE. ADJUST TO FINISHED GRADE AS NECESSARY PER P.P.H.C.S.D. REQUIREMENTS	1 LOC.
9	REMOVE AND SALVAGE EXISTING FIRE HYDRANT ASSEMBLY AND RELOCATE PER SHEEP CREEK WATER COMPANY REQUIREMENTS	2 EA.
10	REMOVE AND SALVAGE EXISTING WATER METER/BOX AND RELOCATE PER SHEEP CREEK WATER COMPANY REQUIREMENTS	1 EA.
11	EXISTING UTILITY FACILITY TO BE RELOCATED/ADJUSTED TO FINISHED GRADE PER UTILITY COMPANY REQUIREMENTS	4 EA.
12	EXISTING SHEEP CREEK WATER COMPANY SERVICE LINE TO BE ABANDONED AT THE WATER MAIN LINE BY OTHERS	N/A

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 By: Shane Schmitt
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Underground Service Alert

Call: TOLL FREE 1-811-227-2600

TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK

U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD. 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD. 34 FT EAST OF THE CENTERLINE OF JOHNSON RD. 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD. 6.6 FT WEST OF A FENCE, 6.3 FT NORTH OF A SECTION MARKER PIPE, 0.6 FT EAST OF A WITNESS POST, ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND. ELEV= 3616.50

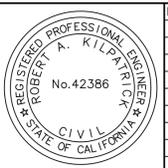
PREPARED BY:

DAVID EVANS AND ASSOCIATES INC.

18484 Outer Highway 18 North, Suite 225
Apple Valley California 92307
Phone: 760.524.9100
RKilpatrick@deainc.com

PREPARED UNDER THE SUPERVISION OF:

ROBERT A. KILPATRICK R.C.E. 42386 DATE: 1-27-2023



MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY

DPW LUS

OSVALDO ROQUE DATE _____
SUPERVISING ENGINEER, TRAFFIC DIVISION

JEREMY JOHNSON DATE _____
ENGINEERING MANAGER, TRAFFIC DIVISION

RECOMMENDED BY: _____

APPROVED BY: MICHELE MARTIN DATE _____
SUPERVISING ENGINEER, LAND DEVELOPMENT

TITLE SHEET

ROAD NO. 748950

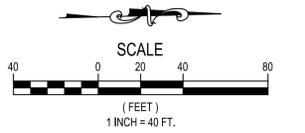
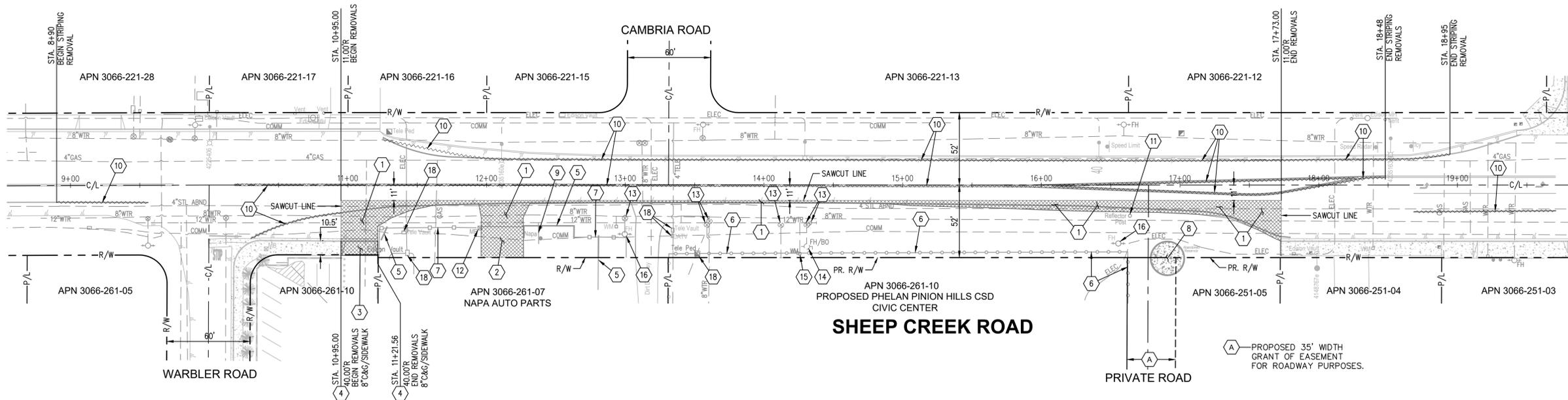
FILE NO.

APN 3066-261-10
PHELAN, CA

SHEET 1 OF 6

NOTE TO CONTRACTOR

CONTRACTOR TO FIELD VERIFY EXACT DEPTH AND LOCATION OF ANY EXISTING UTILITIES AND NOTIFY THE CIVIL ENGINEER OF ANY POTENTIAL CONFLICTS OR OMISSIONS ON THE PLANS PRIOR TO THE START OF ANY CONSTRUCTION.



DEMOLITION NOTES

- 1 REMOVE EXISTING A.C. PAVEMENT.
- 2 REMOVE EXISTING P.C.C. DRIVEWAY APPROACH.
- 3 REMOVE EXISTING P.C.C. DRIVEWAY APPROACH.
- 4 REMOVE EXISTING 8" CURB AND CUTTER.
- 5 REMOVE EXISTING PLANTER CURB.
- 6 REMOVE EXISTING CHAINLINK FENCING.
- 7 REMOVE EXISTING WOOD FENCING.
- 8 DEMOLISH AND REMOVE ABANDONED WATER RESERVOIR PER P.P.H.C.S.D. REQUIREMENTS.
- 9 REMOVE EXISTING WOOD SIGN.
- 10 REMOVE EXISTING STRIPING.
- 11 REMOVE REFLECTOR POST.
- 12 REMOVE MAILBOX AND RELOCATE PER U.S.P.S. REQUIREMENTS.
- 13 PROTECT EXISTING WATER GATE VALVE CAN IN PLACE. VALVE CAN TO BE ADJUSTED TO FINISHED GRADE. SEE STREET IMPROVEMENT PLAN SHEET No.3.
- 14 PROTECT EXISTING FIRE HYDRANT/BLOW OFF ASSEMBLY IN-PLACE.
- 15 PROTECT EXISTING WATER METER BOX IN-PLACE.
- 16 REMOVE AND SALVAGE EXISTING FIRE HYDRANT ASSEMBLY AND RELOCATE PER SHEEP CREEK WATER COMPANY STANDARDS. SEE STREET IMPROVEMENT PLAN SHEET No.3.
- 17 REMOVE AND SALVAGE EXISTING WATER METER/BOX AND RELOCATE PER SHEEP CREEK WATER COMPANY STANDARDS. SEE STREET IMPROVEMENT PLAN SHEET No.3.
- 18 EXISTING UTILITY FACILITY TO BE RELOCATED AND/OR ADJUSTED. SEE STREET IMPROVEMENT PLAN SHEET No.3.

LEGEND

PROPOSED AREA OF PAVEMENT REMOVALS

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 By: Shane Schmitt
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Underground Service Alert

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TWO WORKING DAYS BEFORE YOU DIG

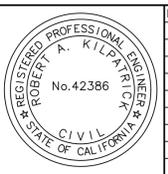
BENCHMARK
 U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD, 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD, 34 FT EAST OF THE CENTER LINE OF JOHNSON RD, 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD, 6.6 FT WEST OF A FENCE, 6.3 FT NORTH OF A SECTION MARKER PIPE, 0.6 FT EAST OF A WITNESS POST, ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
 ELEV= 3616.50

PREPARED BY:

 DAVID EVANS AND ASSOCIATES INC.
 PREPARED UNDER THE SUPERVISION OF:
 ROBERT A. KILPATRICK
 R.C.E. 42386

18484 Outer Highway 18 North, Suite 225
 Apple Valley California 92307
 Phone: 760.524.9100
 RKilpatrick@deainc.com

1-27-2023
 DATE:



MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY

DPW LUS

OSVALDO ROQUE
 SUPERVISING ENGINEER, TRAFFIC DIVISION

JEREMY JOHNSON
 ENGINEERING MANAGER, TRAFFIC DIVISION

DATE

RECOMMENDED BY:

APPROVED BY:
 MICHELE MARTIN
 SUPERVISING ENGINEER, LAND DEVELOPMENT

DATE

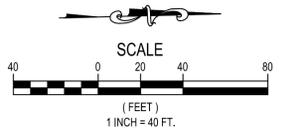
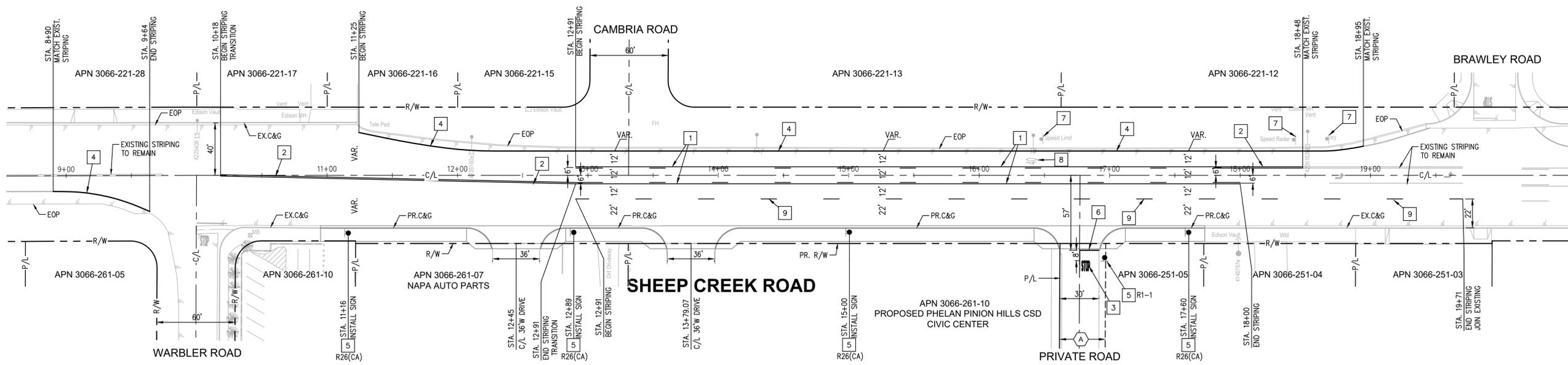
DEMOLITION PLAN

SHEEP CREEK ROAD
 APN 3066-261-10
 STA. 8+90 TO 18+94

ROAD NO.
748950

FILE NO.

SHEET 2 OF 6



(A) PROPOSED 35' WIDTH GRANT OF EASEMENT FOR ROADWAY PURPOSES.

SIGN LEGEND



SIGNING AND STRIPING NOTES

- 1 INSTALL 6" YELLOW TWO-WAY LEFT TURN LANE LINE PER CALTRANS STD. PLAN A20B, DETAIL 32 WITH RECESSED PAVEMENT MARKERS.
- 2 INSTALL DOUBLE 6" THICK WIDE YELLOW CENTER LINE STRIPING PER CALTRANS STD. PLAN A20A, DETAIL 22 WITH RECESSED PAVEMENT MARKERS.
- 3 PAINT LEGEND AS NOTED PER CALTRANS STANDARD PLAN A24D.
- 4 INSTALL 6" WHITE EDGE LINE STRIPING PER CALTRANS STANDARD PLAN A20B, DETAIL 27B.
- 5 INSTALL SIGN AS NOTED PER CA M.U.T.C.D. 2014 FIGURE 2A-2(CA)
- 6 PAINT 12" WHITE LIMIT LINE PER CALTRANS STANDARD PLAN A24E.
- 7 EXISTING ROAD SIGN TO REMAIN (PROTECT IN PLACE).
- 8 EXISTING PAVEMENT LEGEND TO REMAIN (PROTECT IN PLACE).
- 9 INSTALL 6" WHITE SKIP STRIPING PER CALTRANS STD. PLAN A20A, DETAIL 9 WITH RECESSED PAVEMENT MARKERS.

NOTES

1. SEE SHEET 2 DEMOLITION PLAN FOR EXISTING STRIPING REMOVALS.
2. SEE SHEET 1 FOR SAN BERNARDINO COUNTY TRAFFIC CONTROL GENERAL NOTES.

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Underground Service Alert

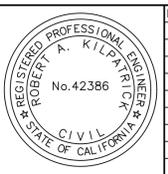
Call: TOLL FREE
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 U.S.G.S. BENCHMARK H 35, LOCATED 3.0 MI NORTH ALONG JOHNSON RD. FROM THE INTERSECTION OF PHELAN RD, 49 FT NORTHEAST OF THE CENTER OF THE INTERSECTION OF DUNCAN RD, 34 FT EAST OF THE CENTER LINE OF JOHNSON RD, 32.5 FT NORTH OF THE CENTER LINE DUNCAN RD, 6.6 FT WEST OF A FENCE, 6.3 FT NORTH OF A SECTION MARKER PIPE, 0.6 FT EAST OF A WITNESS POST, ABOUT 1 FT HIGHER THAN THE ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.
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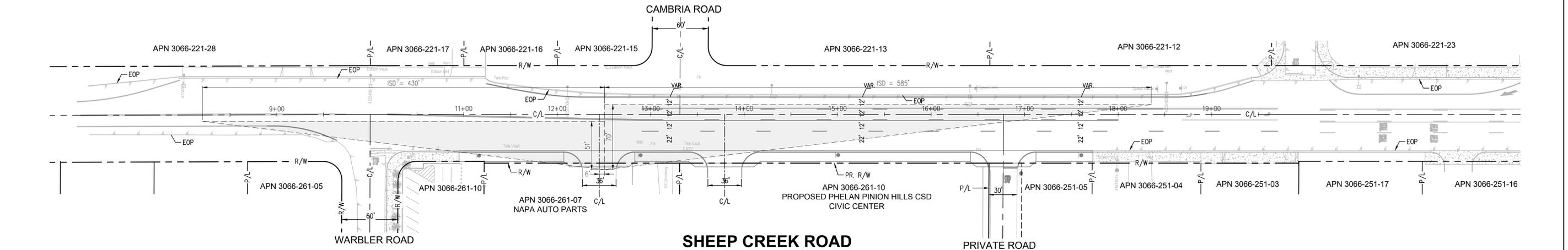
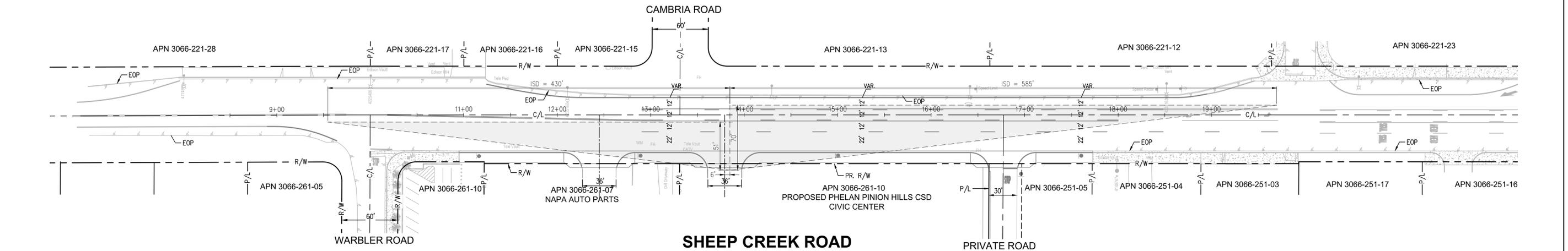
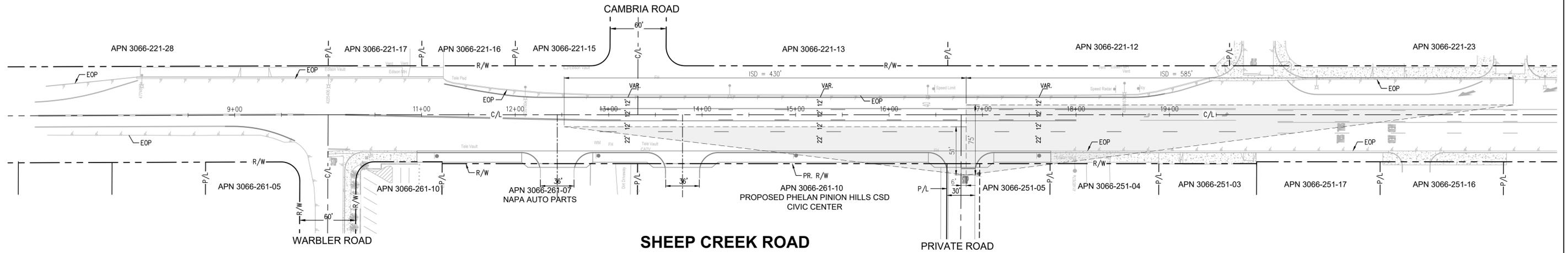
SIGNING AND STRIPING PLAN

SHEEP CREEK ROAD
 APN 3066-261-10
 STA. 8+90 TO 18+95
 PHELAN AREA

ROAD NO.
748950

FILE NO.

SHEET 4 OF 6



SIGHT DISTANCE CALCULATIONS

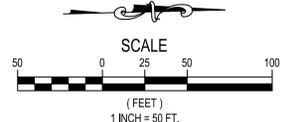
$$ISD = 1.47 V_{major} t_{stop} [1]$$

$$V_{major} = 45 \text{ mph}$$

Left turn from stop ^[2]	Right turn from stop ^[2]
$t_{combination\ truck} = (11.5 + 7 + 1.1)^{[3]}$	$t_{combination\ truck} = (10.5)^{[3]}$
$t_{passenger\ car} = (7.5 + 5 + 8)^{[3]}$	$t_{passenger\ car} = (6.5)^{[3]}$
$ISD_{combination\ truck} = 1.47 (45) (13.3)$	$ISD_{combination\ truck} = 1.47 (45) (10.5)$
$ISD_{combination\ truck} = 879.80 \approx 880 \text{ ft}$	$ISD_{combination\ truck} = 694.58 \approx 695 \text{ ft}$
$ISD_{passenger\ car} = 1.47 (45) (8.8)$	$ISD_{passenger\ car} = 1.47 (45) (6.5)$
$ISD_{passenger\ car} = 585.12 \approx 585 \text{ ft}$	$ISD_{passenger\ car} = 429.98 \approx 430 \text{ ft}$

NOTE

ALL SIGHT RESTRICTIONS TO BE CLEARED WITHIN SIGHT TRIANGLE. ANY OBJECTS (I.E. LANDSCAPING, WALLS, FENCING, STRUCTURES) WITHIN THE SIGHT TRIANGLE SHOULD NOT BE OVER 30 INCHES IN HEIGHT. TREES TO BE TRIMMED TO EIGHT FEET ABOVE THE ADJOINING CURB WITH THE SIGHT TRIANGLE.



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 By: Shane Schabert
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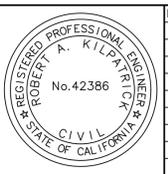
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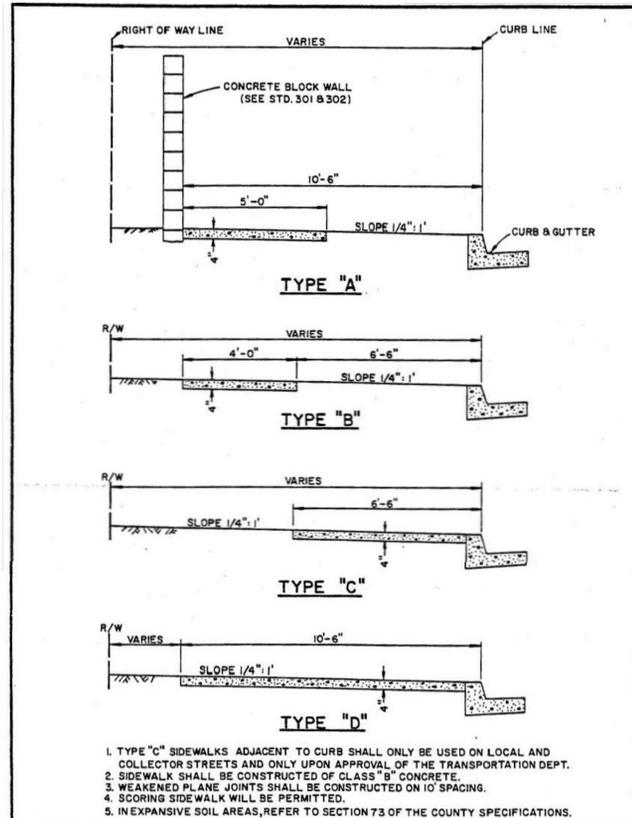
SIGHT DISTANCE TRIANGLES

SHEEP CREEK ROAD
 APN 3066-261-10
 STA. 8+90 TO 18+94

ROAD NO.
748950

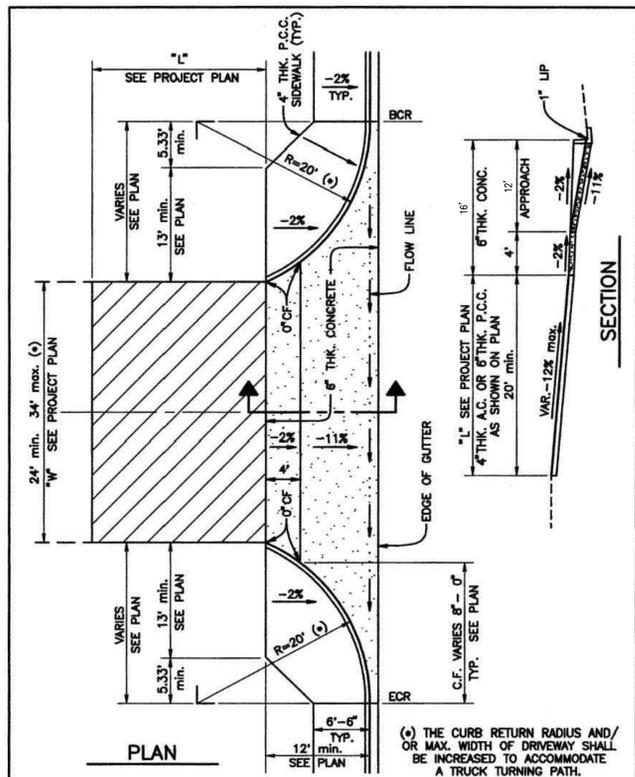
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SHEET 5 OF 6



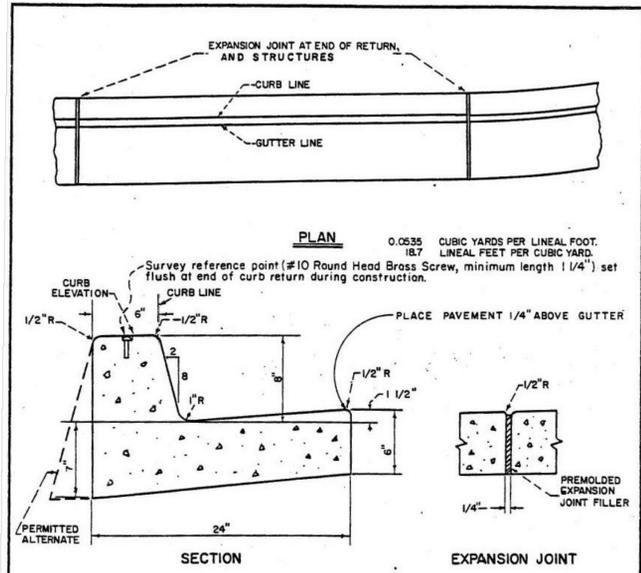
1. TYPE "C" SIDEWALKS ADJACENT TO CURB SHALL ONLY BE USED ON LOCAL AND COLLECTOR STREETS AND ONLY UPON APPROVAL OF THE TRANSPORTATION DEPT.
2. SIDEWALK SHALL BE CONSTRUCTED OF CLASS "B" CONCRETE.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED ON 10' SPACING.
4. SCORING SIDEWALK WILL BE PERMITTED.
5. IN EXPANSIVE SOIL AREAS, REFER TO SECTION 73 OF THE COUNTY SPECIFICATIONS.

San Bernardino County Transportation Department		SIDEWALK	109
22P-MAR-1974	John R. Shone DIRECTOR OF TRANSPORTATION		



NOTE: FOR GENERAL NOTES SEE COUNTY STANDARD 129

CO. OF SAN BDN. DEPT. OF PUBLIC WORKS	MODIFIED	COMMERCIAL DRIVEWAY WITH CURB RETURNS	129B
REVISED: 12/11/17			
BY: 12-20-17			
PATRICK J. MEAD Director of Public Works			



NOTES:

1. CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY OF CLASS "B" CONCRETE.
2. WIDTHS OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINE UNLESS OTHERWISE INDICATED.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10-FOOT INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS.
4. CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES.
5. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING MAY BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINTS MAY BE SAWCUT.

SAN BERNARDINO COUNTY ROAD DEPARTMENT	8"	CURB AND GUTTER	115
REV. V.E.H. 3-74			
REV. V.E.H. 7-76			
REV. V.E.H. 2-78			
John R. Shone COUNTY HIGHWAY ENGINEER			

File Date: 1/27/2023 2:41 PM
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 By: Shane Schmitt
 S:_Sinc_ File: P:\P\PHC\00000002\0400\AD\SHETS\EC\105_PPHC\00000002 - Civic Center Plaza.dwg

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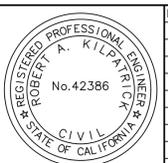
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MICHELE MARTIN
SUPERVISING ENGINEER, LAND DEVELOPMENT

DETAILS

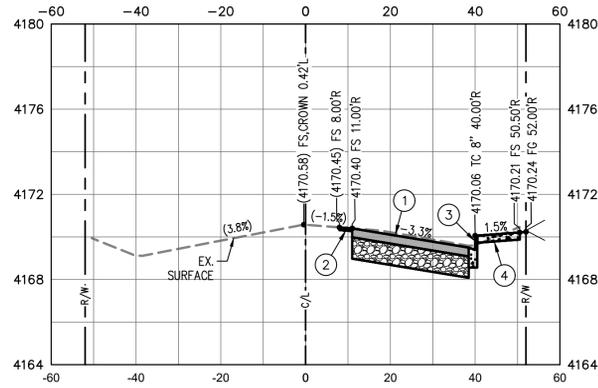
SHEEP CREEK ROAD
APN 3066-261-10

ROAD NO.
748950

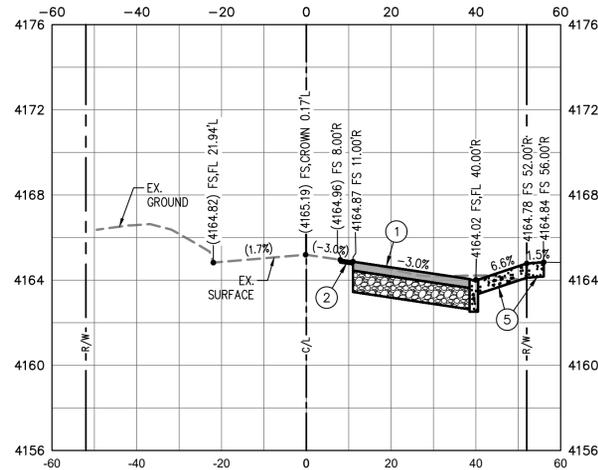
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SHEET 6 OF 6

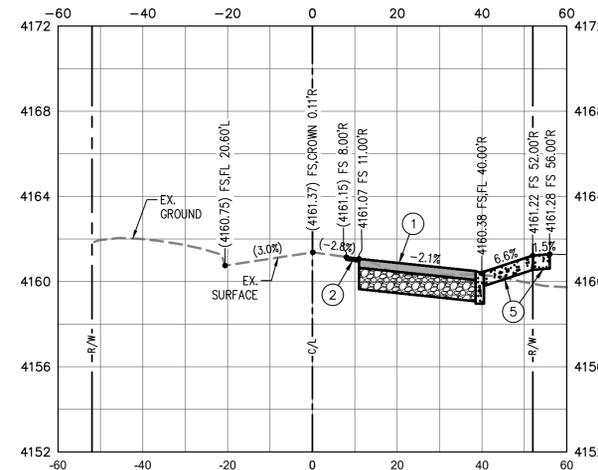
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SHEEP CREEK ROAD



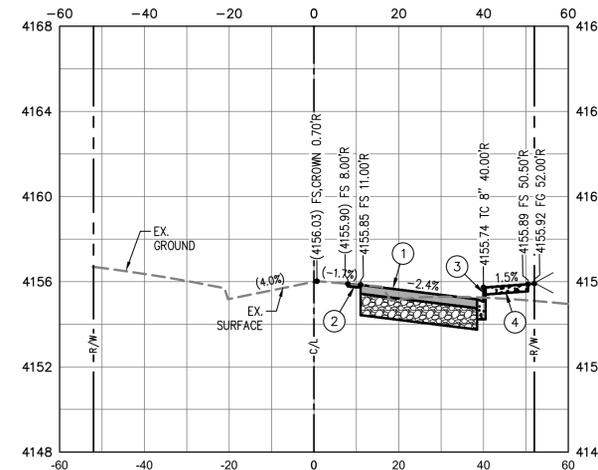
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SHEEP CREEK ROAD



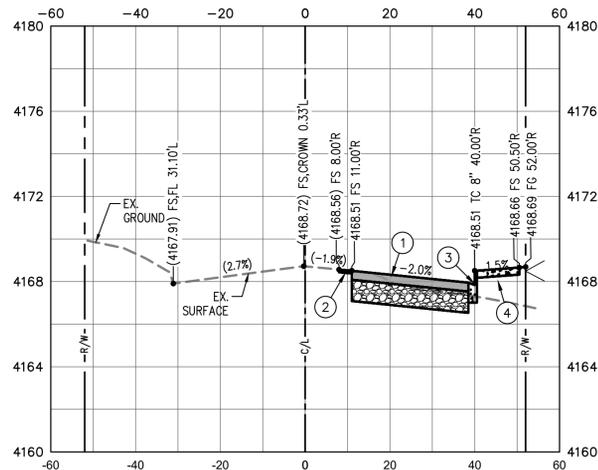
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SHEEP CREEK ROAD



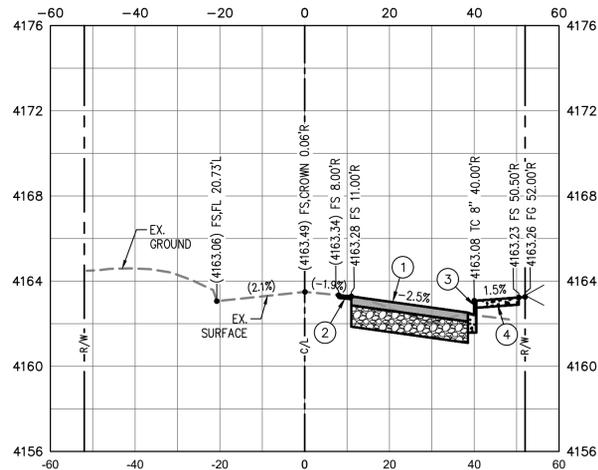
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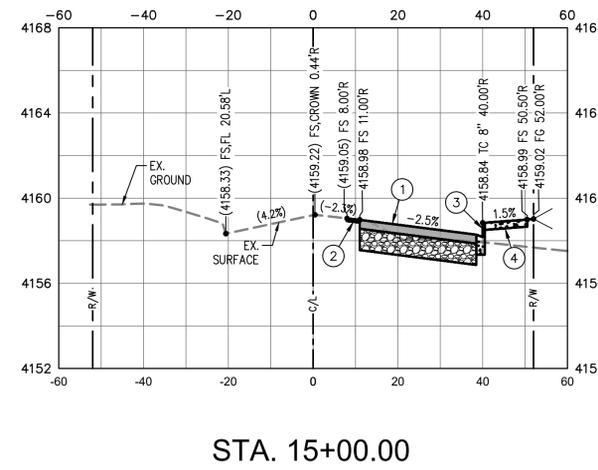
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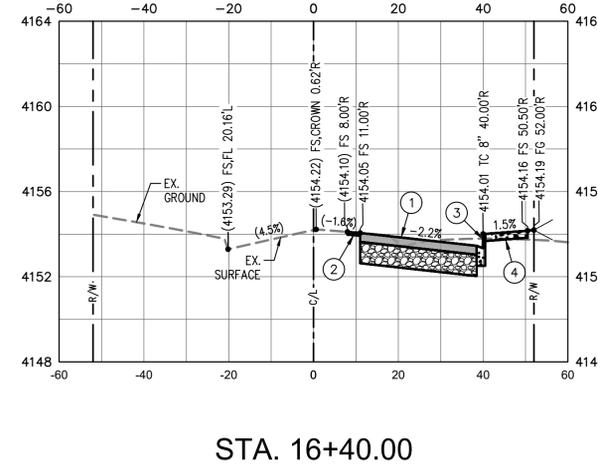
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SHEEP CREEK ROAD



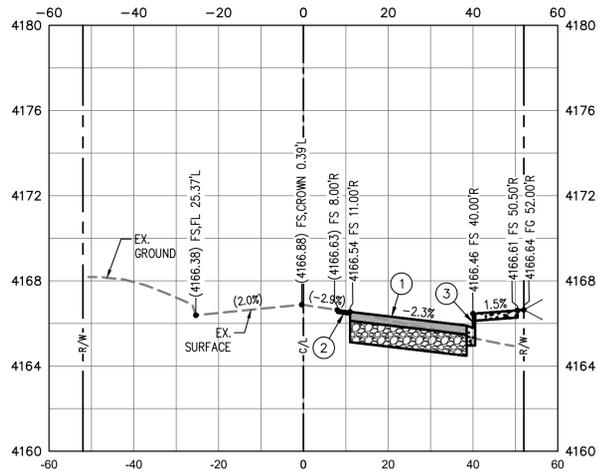
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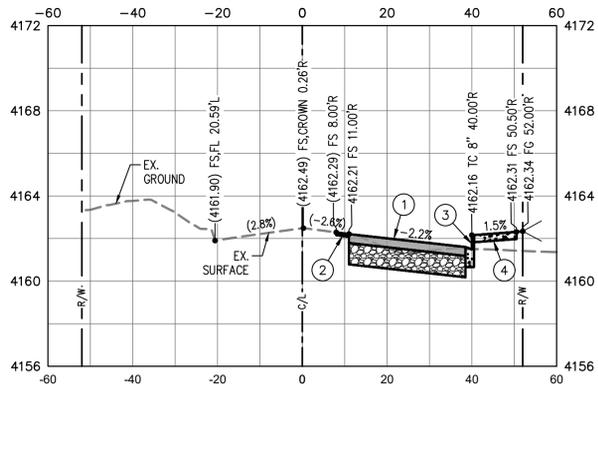
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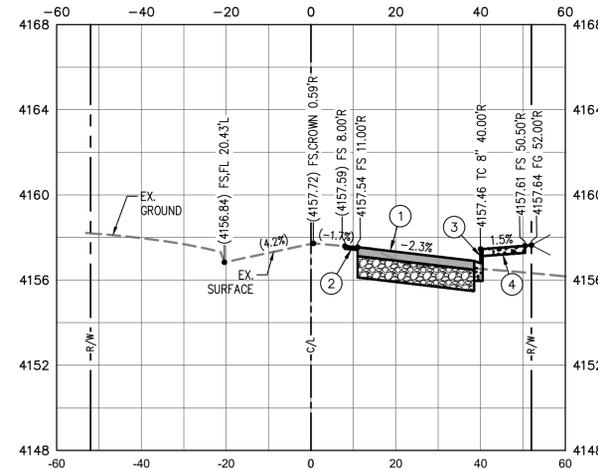
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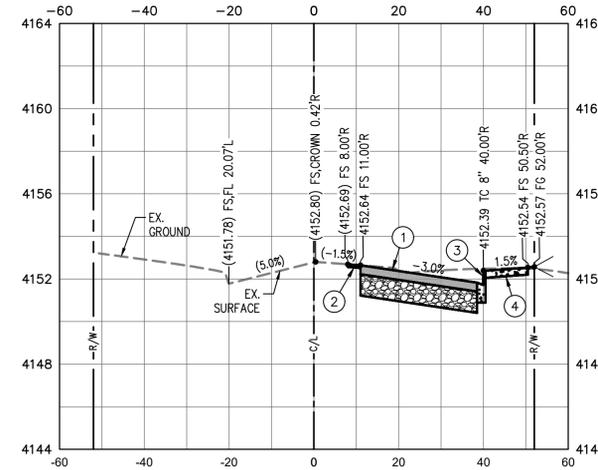
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SHEEP CREEK ROAD



STA. 15+00.00
SHEEP CREEK ROAD



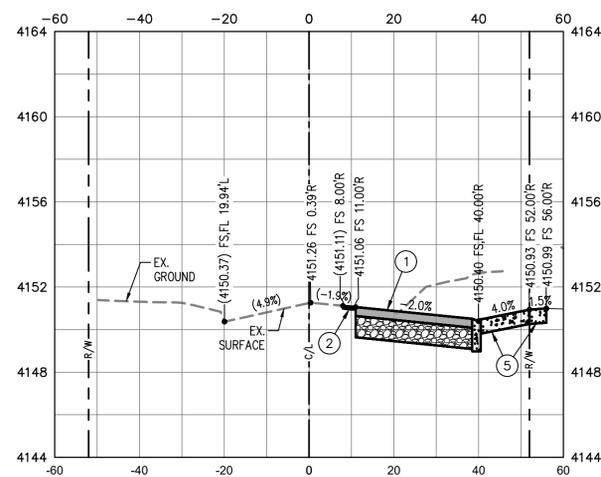
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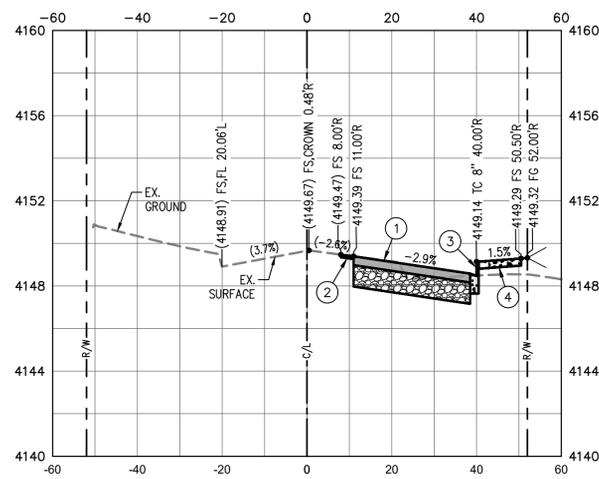
SCALE: 1"=20' HORIZ.
1"=4' VERT.

SHEEP CREEK ROAD CROSS SECTIONS SHEET 1 OF 2
FOR REFERENCE ONLY

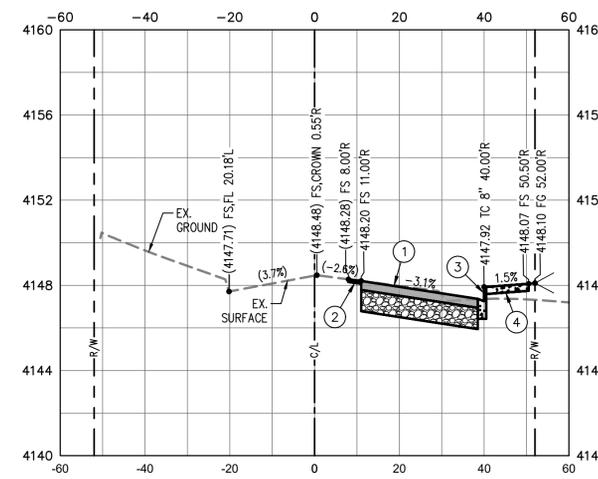
STA. 16+80.00
SHEEP CREEK ROAD



STA. 17+20.00
SHEEP CREEK ROAD



STA. 17+50.00
SHEEP CREEK ROAD



SCALE: 1"=20' HORIZ.
1"=4' VERT.

SHEEP CREEK ROAD CROSS SECTIONS SHEET 2 OF 2
FOR REFERENCE ONLY