

WARNING: ALL INDIVIDUALS INTERESTED IN BIDDING ON THIS PROJECT MUST OBTAIN THE FINAL PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED ON THE CLERK OF THE BOARD'S WEBSITE FOR BIDDING ON THIS PROJECT.

COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS

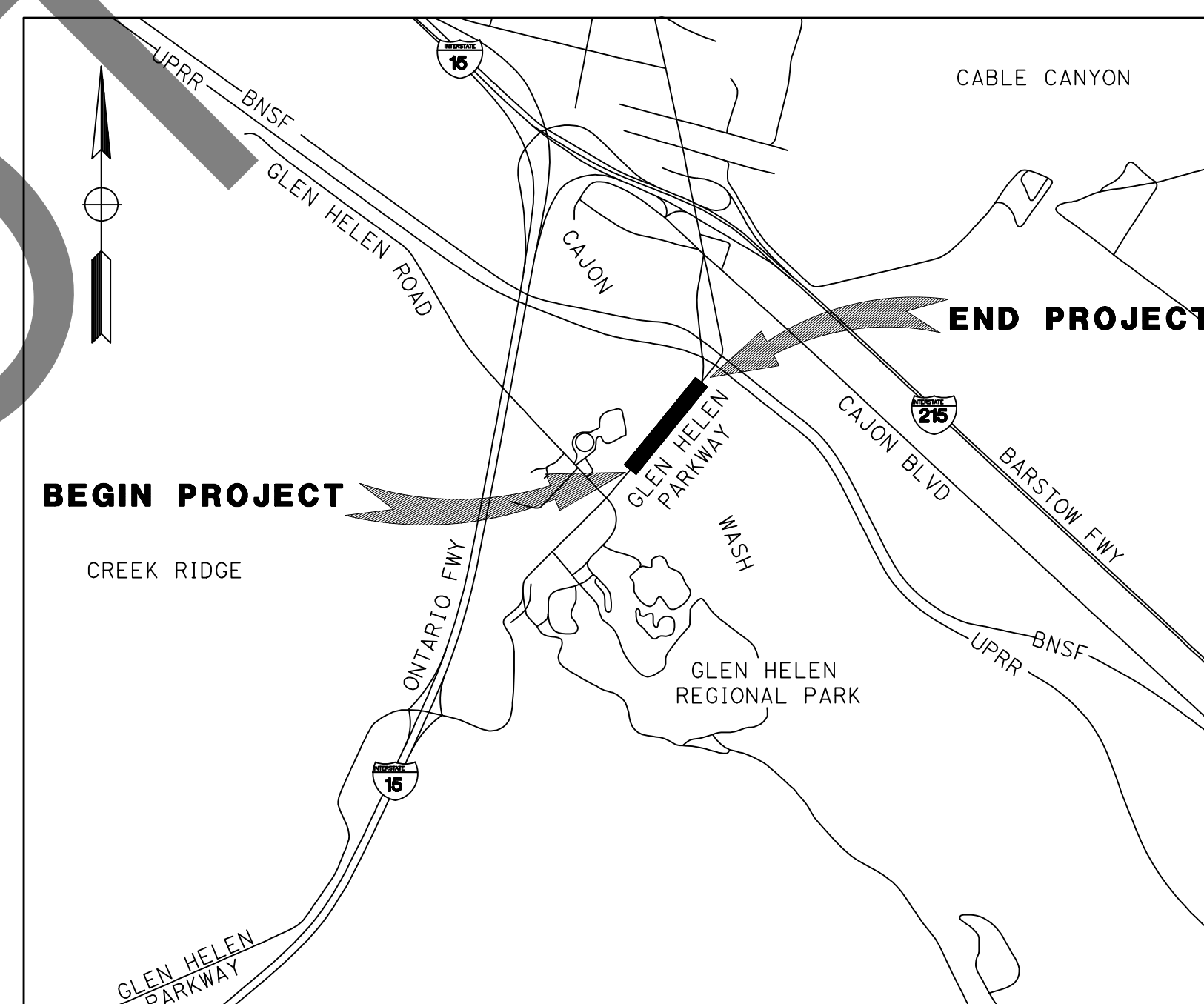


TRANSPORTATION PLANS FOR CONSTRUCTION ON GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH

FROM GLEN HELEN ROAD TO 500' SOUTHWEST OF UPRR CROSSING
DEVORE AREA

WORK ORDER NO. H14646 ROAD NO. 382400 050

LENGTH = 0.50 MI.



LOCATION MAP
NO SCALE

SAN BERNARDINO COUNTY

APPROVED BY:

NOEL CASTILLO, P.E., DIRECTOR OF PUBLIC WORKS R.C.E. 78044

8/22/24

DATE

FILE NO. 382400 050

PLANS PREPARED BY:
**BIGGS CARDOSA
ASSOCIATES INC**
STRUCTURAL ENGINEERS
500 S. Main Street, Suite 1200
Orange, California 92668
714-550-4665



MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES		SHT. NO. T-01	TOT. SHFS. 102

100% SUBMISSION

DRAWING NUMBER	SHEET NUMBER	DRAWING TITLE
T-01	1	TITLE SHEET
T-02	2	INDEX OF DRAWINGS
CIVIL		
GN-01	3	GENERAL NOTES
X-01	4	TYPICAL SECTIONS
X-02	5	TYPICAL SECTIONS
K-01	6	HORIZONTAL CONTROL - "A" LINE 10+00 TO "A" LINE 28+00
K-02	7	HORIZONTAL CONTROL - "A" LINE 28+00 TO "A" LINE 36+00
DM-01	8	DEMOLITION PLAN NO. 1 - "A" LINE 10+00 TO "A" LINE 28+00
DM-02	9	DEMOLITION PLAN NO. 2 - "A" LINE 28+00 TO "A" LINE 36+00
PP-01	10	PLAN AND PROFILE - 10+00 "A" LINE TO 19+00 "A" LINE
PP-02	11	PLAN AND PROFILE - 19+00 "A" LINE TO 27+00 "A" LINE
PP-03	12	PLAN AND PROFILE - 27+00 "A" LINE TO 36+00 "A" LINE
PP-04	13	PLAN AND PROFILE - 10+00 "D1" LINE TO 13+75 "D1" LINE
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CD-02	15	MISCELLANEOUS DETAILS
CD-03	16	MAINTENANCE ACCESS ROAD CONSTRUCTION DETAILS
GR-01	17	CAJON WASH GRADING PLAN
GR-02	18	MAINTENANCE ACCESS ROAD GRADING PLAN
STAGE CONSTRUCTION		
SC-01	19	STAGE CONSTRUCTION - STAGE 1
SC-02	20	STAGE CONSTRUCTION - STAGE 2
UTILITIES		
U-01	21	COMPOSITE UTILITY PLAN NO. 1 - "A" LINE 10+00 TO "A" LINE 28+00
U-02	22	COMPOSITE UTILITY PLAN NO. 2 - "A" LINE 28+00 TO "A" LINE 36+00
DRAINAGE		
D-01	23	PLAN AND PROFILE - LINE J: 10+00 TO 17+00
D-02	24	PLAN AND PROFILE - LINE J: 17+00 TO 22+42.90
D-03	25	PLAN AND PROFILE - LINE A, LINE B, AND LINE F
D-04	26	PLAN AND PROFILE - LINE C AND LINE E
D-05	27	PLAN AND PROFILE - LINE D
TRAFFIC HANDLING		
TH-01	28	TRAFFIC HANDLING - STAGE 1A
TH-02	29	TRAFFIC HANDLING - STAGE 1B
TH-03	30	TRAFFIC HANDLING - STAGE 2
TH-04	31	TRAFFIC HANDLING - STAGE 2B
TH-05	32	TRAFFIC HANDLING - STAGE 2B
EROSION CONTROL		
EC-01	33	EROSION CONTROL PLAN NO. 1 - "A" LINE 10+00 TO "A" LINE 28+00
EC-02	34	EROSION CONTROL PLAN NO. 2 - "A" LINE 28+00 TO "A" LINE 36+00
SIGNING AND STRIPING		
SS-01	35	SIGNING AND STRIPING - "A" LINE 10+00 TO "A" LINE 28+00
SS-02	36	SIGNING AND STRIPING - "A" LINE 28+00 TO "A" LINE 43+50
SS-03	37	SIGNING AND STRIPING - "A" LINE 43+50 TO "A" LINE 53+50
LIGHTING		
ES-01	38	STREET LIGHTING
ES-02	39	STREET LIGHTING
LANDSCAPING AND IRRIGATION		
L-01	40	IRRIGATION PLAN
L-02	41	IRRIGATION DETAILS
L-03	42	PLANTING PLAN
L-04	43	PLANTING PLAN
L-05	44	PLANTING PLAN
L-06	45	IRRIGATION AND PLANTING NOTES

DRAWING NUMBER	SHEET NUMBER	DRAWING TITLE
STRUCTURAL		
S-01	46	GENERAL PLAN
S-02	47	GENERAL NOTES
S-03	48	DECK CONTOURS
S-04	49	FOUNDATION PLAN
S-05	50	ISOLATION CASING DETAILS
S-06	51	ABUTMENT 1 LAYOUT
S-07	52	ABUTMENT 6 LAYOUT
S-08	53	ABUTMENT DETAILS NO. 1
S-09	54	ABUTMENT DETAILS NO. 2
S-10	55	ABUTMENT DETAILS NO. 3
S-11	56	ABUTMENT DETAILS NO. 4
S-12	57	BENT LAYOUT
S-13	58	BENT DETAILS NO. 1
S-14	59	BENT DETAILS NO. 2
S-15	60	BENT DETAILS NO. 3
S-16	61	TYPICAL SECTION
S-17	62	GIRDER LAYOUT NO. 1
S-18	63	GIRDER LAYOUT NO. 2
S-19	64	GIRDER DETAILS NO. 1
S-20	65	GIRDER DETAILS NO. 2
S-21	66	GIRDER DETAILS NO. 3
S-22	67	MISCELLANEOUS DETAILS
S-23	68	DECK DRAIN DETAILS NO. 1
S-24	69	DECK DRAIN DETAILS NO. 2
S-25	70	JOINT SEAL ASSEMBLY DETAILS NO. 1
S-26	71	JOINT SEAL ASSEMBLY DETAILS NO. 2
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S-28	73	STRUCTURE APPROACH NO. 1
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S-33	78	ROCK SLOPE PROTECTION NO. 2
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S-35	80	LOG OF TEST BORINGS NO. 2
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S-100	86	MSE RETAINING WALL LAYOUT
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S-102	88	MSE RETAINING WALL STRUCTURE PLAN NO. 1
S-103	89	MSE RETAINING WALL STRUCTURE PLAN NO. 2
S-104	90	MSE RETAINING WALL TYPICAL SECTIONS
S-105	91	MSE RETAINING WALL DETAILS NO. 1
S-106	92	MSE RETAINING WALL DETAILS NO. 2
S-107	93	MSE RETAINING WALL DETAILS NO. 3
S-108	94	MSE RETAINING WALL DETAILS NO. 4
S-109	95	MSE RETAINING WALL DETAILS NO. 5
S-110	96	MSE RETAINING WALL DETAILS NO. 6
S-200	97	DRAINAGE STRUCTURE DETAILS NO. 1
S-201	98	DRAINAGE STRUCTURE DETAILS NO. 2
S-202	99	DRAINAGE STRUCTURE DETAILS NO. 3
S-203	100	DRAINAGE STRUCTURE DETAILS NO. 4
S-204	101	DRAINAGE STRUCTURE DETAILS NO. 5
S-300	102	EXISTING BRIDGE NO. 54C0754 MODIFICATION DETAILS

MARK	REVISIONS	DATE

MARK	REVISIONS	DATE

FILE NO. 382400 050

Don't Dig...Until You Call U.S.A. Toll Free
DIAL: 811
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

PLANS PREPARED BY:
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
500 S. Main Street, Suite 1200
Orange, California 92668
714-550-4665

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES

REGISTERED PROFESSIONAL ENGINEER
MICHAEL A. THOMAS
No. 54676
Exp. 9/30/24
STRUCTURAL
STATE OF CALIFORNIA

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: GOD	DRAWN BY: SMH	CHECKED BY: SEM	RECOMMENDED BY: Chris Nguyen, P.E. ENGINEERING MANAGER 8/15/24
APPROVED BY: Thomas Bustamante SUPERVISING ENGINEER 8/15/24			APPROVED BY: Mervat N. Campbell, P.E. DEPUTY DIRECTOR 8/15/24

GLEN HELEN PARKWAY BRIDGE
OVER CAJON WASH
INDEX OF DRAWINGS

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHTS.
11334	H14646	T-02	2	102

100% SUBMISSION

ABBREVIATIONS LEGEND:

Table with 4 columns of abbreviations and their corresponding full names, including terms like AGGREGATE, ASPHALT CONCRETE, FINISHED GROUND, FEDERAL HIGHWAY, etc.

HATCH AND LINETYPE LEGEND:

Table showing various hatching and line styles used in the drawing, such as REMOVE AC PAVEMENT, REMOVE CONCRETE, CONSTRUCT PAVEMENT, etc.

SIGNING AND STRIPING CONSTRUCTION NOTES:

- List of 102 numbered notes detailing signing and striping requirements, such as 'INSTALL PAVEMENT MARKING AS SHOWN ON PLAN', 'INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 29', etc.

DRAINAGE CONSTRUCTION NOTES:

- List of 102 numbered notes detailing drainage construction requirements, such as 'CONSTRUCT 54" RCP PER PLAN AND PROFILE AS SHOWN', 'CONSTRUCT MANHOLE PER SPPWC STD. PLAN NO. 320-2', etc.

GENERAL NOTES:

- General project notes including: 1. ALL IMPROVEMENTS SHALL BE COMPLETED IN ACCORDANCE WITH THIS PLAN AND COMPLY WITH THE LATEST SAN BERNARDINO COUNTY ROAD PLANNING AND DESIGN STANDARDS MANUAL... 2. BENCH MARK DATA: ELEVATION: 1837.16'... 3. STREET MARKERS PER SAN BERNARDINO COUNTY STANDARD NO. 303, 304A AND 303B SHALL BE CONSTRUCTED AT EACH INTERSECTION...

CONSTRUCTION NOTES:

- List of 27 numbered construction notes detailing specific site requirements, such as 'CONSTRUCT 0.45" HMA-A OVER 0.80" AB (CLASS 2)', 'CONSTRUCT 4" PCC TYPE C SIDEWALK PER COUNTY STD. NO. 109', etc.

TRAFFIC HANDLING CONSTRUCTION NOTES:

- List of 15 numbered notes detailing traffic handling requirements, such as 'INSTALL NEW SIGN(S) AS SHOWN ON PLAN', 'INSTALL TEMP RAILING (TYPE K) PER CALTRANS STD PLAN T3A', etc.

DEMOLITION NOTES:

- List of 29 numbered notes detailing demolition requirements, such as 'PROTECT-IN-PLACE', 'SAWCUT PAVEMENT', 'REMOVE ASPHALT PAVEMENT', etc.

SURVEY CONTROL:

GLEN HELEN PARKWAY - PHASE II TOPO (PICKUP #3)
WO# H14646 JL# 11334
DATE OF SURVEY: 07/20/2023
COORDINATES AND DISTANCES ARE GROUND.
CF = 0.99987220
1/CF = 1.00012782
BASIS OF BEARINGS (GROUND):
THE OLD CENTERLINE OF GLEN HELEN PARKWAY (DEVORE ROAD), PER RS 17/4 & RS 93/62, ALSO SHOWN ON CS 7204, BEING N09°33'30"W.

SURVEY NOTE:

PRIOR TO CONSTRUCTION, ALL SURVEY MONUMENTS SHALL BE PRESERVED IN ACCORDANCE WITH SECTION 8771 (b) OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA (PROFESSIONAL LAND SURVEYORS ACT).

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.

100% SUBMISSION 7/31/2024

Vertical table with columns for MARK, REVISIONS, and DATE, used for tracking changes and approvals.

PLANS PREPARED BY: BKF ENGINEERS, 4675 MACARTHUR CT., SUITE 400, NEWPORT BEACH, CA 92660, (949) 526-8460, www.bkf.com

Professional Engineer Seal for Thomas Bustamonte, No. 78003, Exp. 9-30-25, State of California.

SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS. DESIGNED BY: BL, DRAWN BY: KW, CHECKED BY: SA, RECOMMENDED BY: Chris Nguyen, P.E., 8/15/24. APPROVED BY: Thomas Bustamonte, 8/15/24.

GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH. GLEN HELEN PARKWAY GENERAL NOTES. J.L. REF. 11334, W.O. NO. H14646, DRAWING NO. GN-01, SHT. NO. 3, TOT. SHTS. 102.

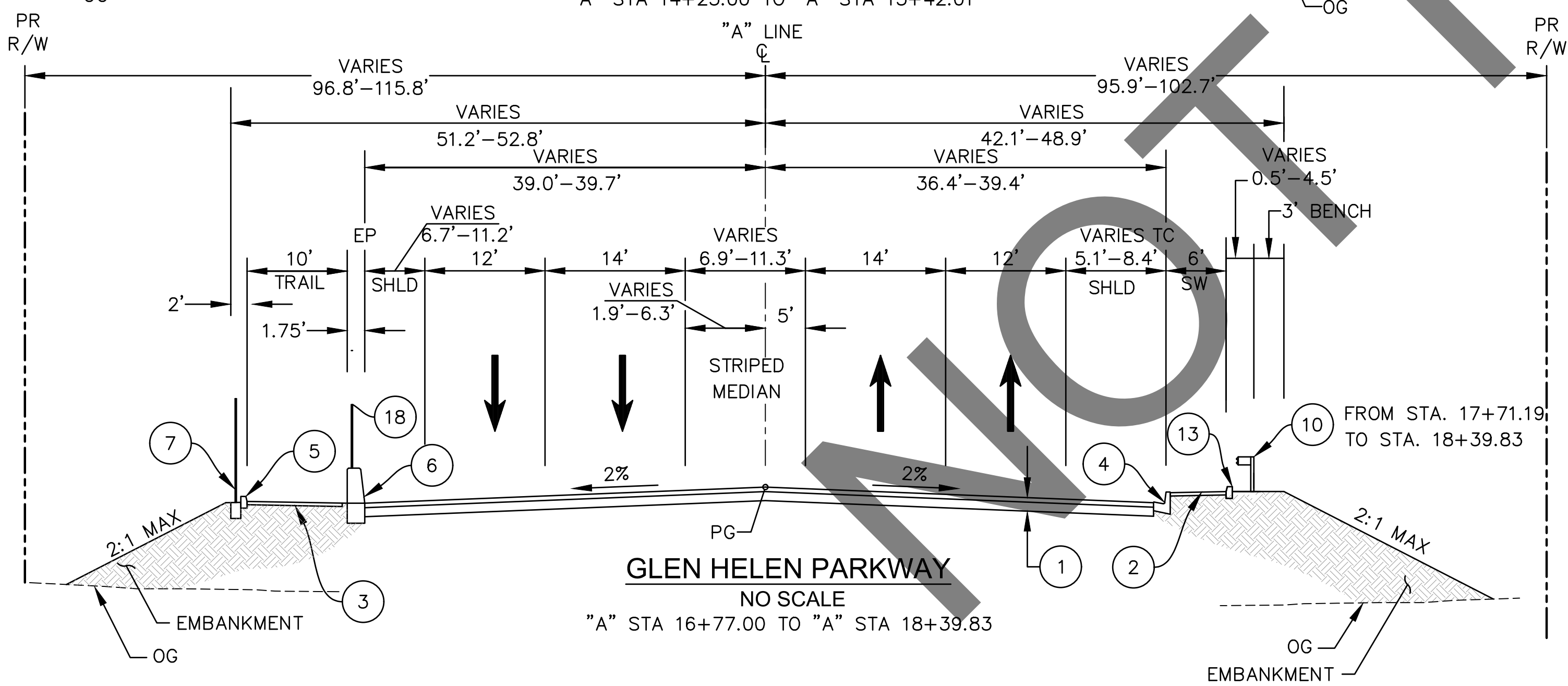
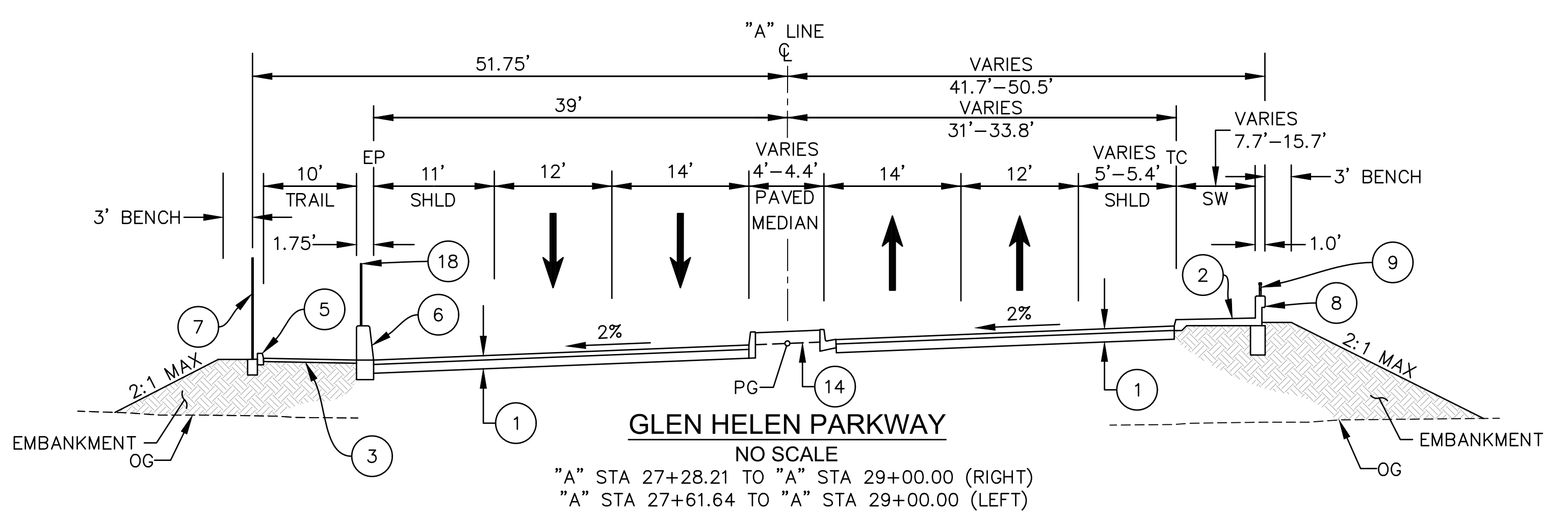
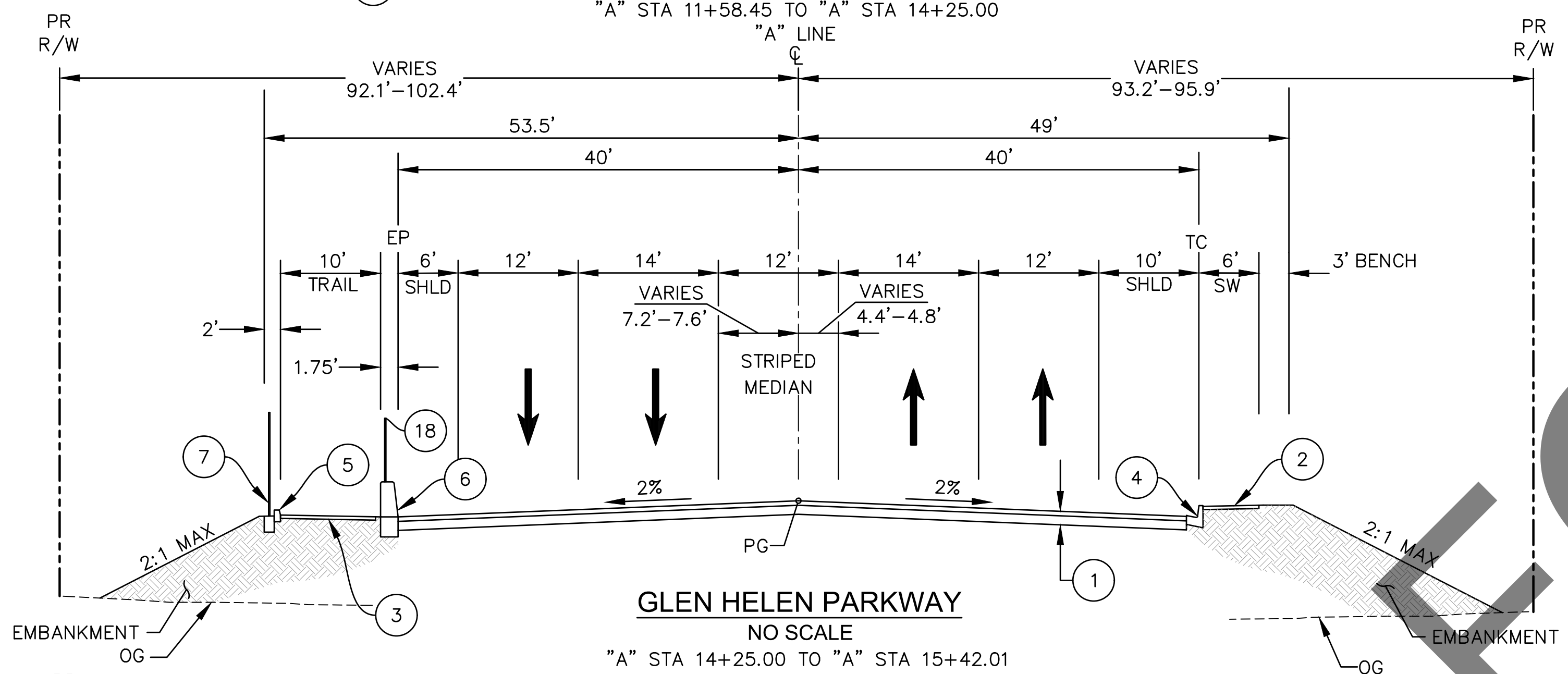
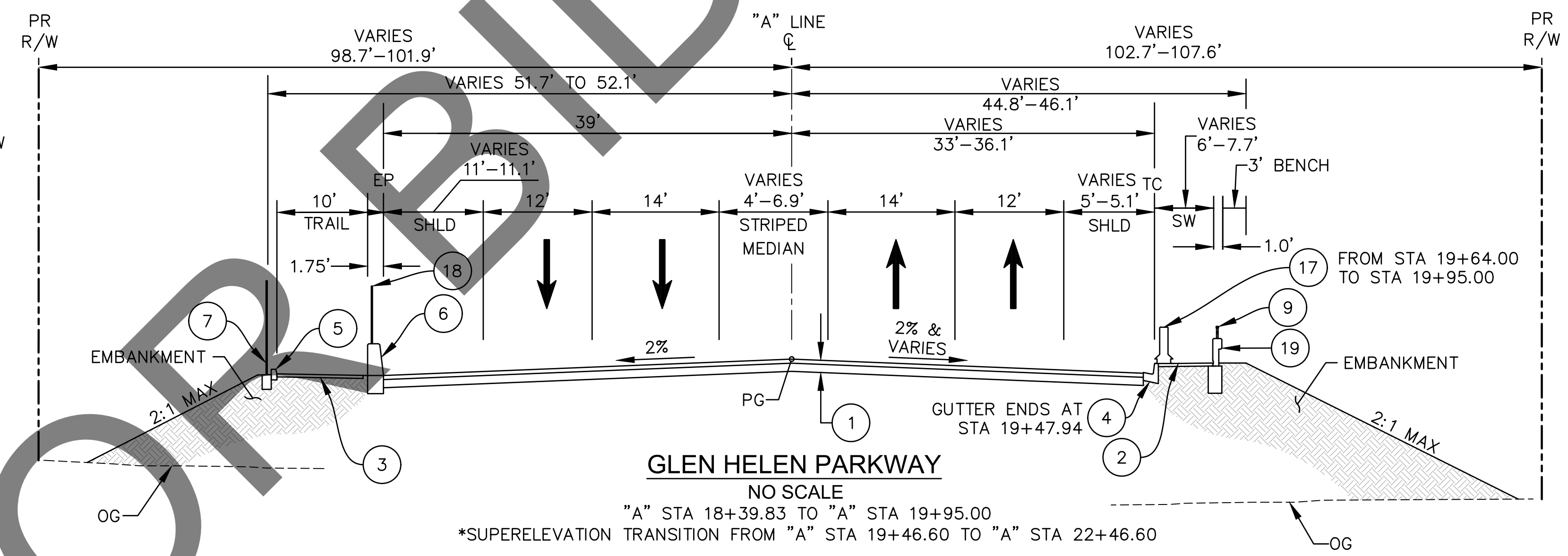
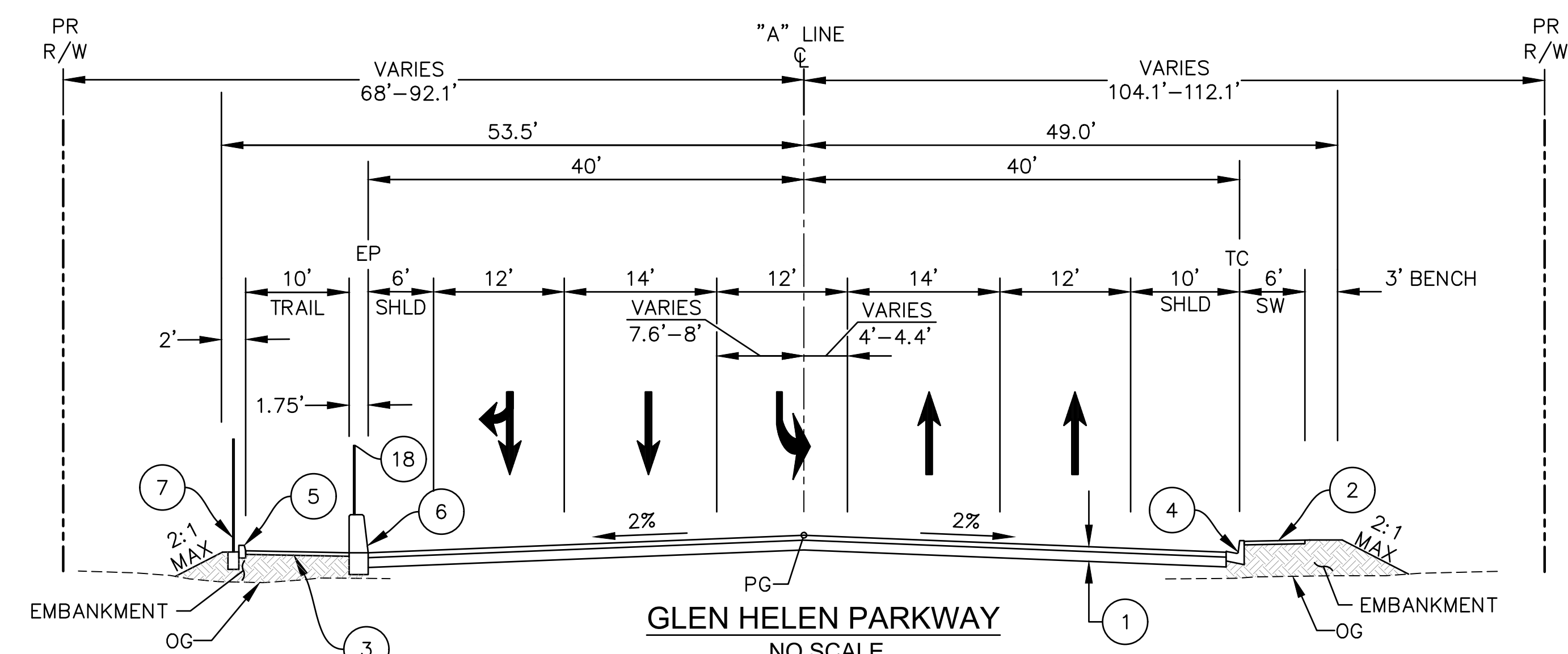
FIELD CHANGES table with columns for MARK, CHANGES, NO CHANGES, RESIDENT ENGINEER, and DATE.

FILE NO. 382400 050

FILE NO. 382400 050

CONSTRUCTION NOTES:

- ① CONSTRUCT 0.45" HMA-A OVER 0.80" AB (CLASS 2)
- ② CONSTRUCT 4" PCC TYPE C SIDEWALK PER COUNTY STD. NO. 109
- ③ CONSTRUCT 4" STABILIZED DECOMPOSED GRANITE TRAIL PER DETAIL 5, SHEET CD-02
- ④ CONSTRUCT 8" PCC CURB AND GUTTER PER COUNTY STD. NO. 115
- ⑤ CONSTRUCT 8" PCC CURB TYPE A1-8 PER CALTRANS STD. PLAN NO. A87A
- ⑥ CONSTRUCT TYPE 742 BARRIER (MOD 3) PER DETAIL 8 AND DETAIL 11, SHEET CD-02
- ⑦ CONSTRUCT PICKET RAILING FENCE PER DETAIL 1, SHEET CD-01
- ⑧ CONSTRUCT TYPE 26 BARRIER (MOD I) PER DETAIL 7, SHEET CD-02
- ⑨ CONSTRUCT TUBULAR HAND RAILING PER CALTRANS STD. PLAN B11-51
- ⑩ CONSTRUCT MIDWEST GUARDRAIL SYSTEM STANDARD RAILING SECTION, PER CALTRANS STD. PLAN A77L1, WITH CALTRANS END ANCHOR SYSTEM (SFT), USING TYPE 12BB LAYOUT PER CALTRANS STD. PLAN A77Q1
- ⑬ CONSTRUCT 6" PCC CURB TYPE A1-6 PER CALTRANS STD. PLAN NO. A87A
- ⑭ CONSTRUCT RAISED MEDIAN PER DETAIL 4, SHEET CD-01
- ⑰ CONSTRUCT ADIEM CRASH CUSHION
- ⑱ CONSTRUCT TYPE 7 CHAIN LINK RAILING PER CALTRANS STD PLAN NO. B11-52
- ⑲ CONSTRUCT TYPE 26 BARRIER (MOD II) PER DETAIL 9, SHEET CD-02

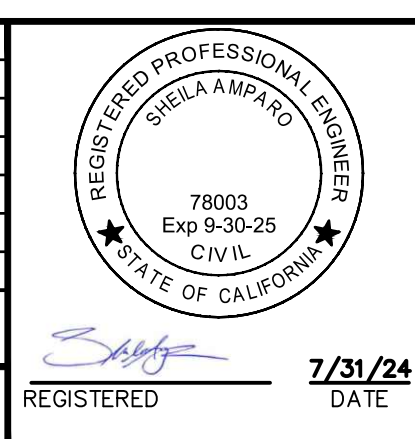


100% SUBMISSION 7/31/2024

REVISIONS	DATE	APPR.

PLANS PREPARED BY:
BKF ENGINEERS
4675 MACARTHUR CT.
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NEWPORT BEACH, CA 92660
(949) 526-8460
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MARK	CHANGES	RESIDENT ENGINEER	DATE



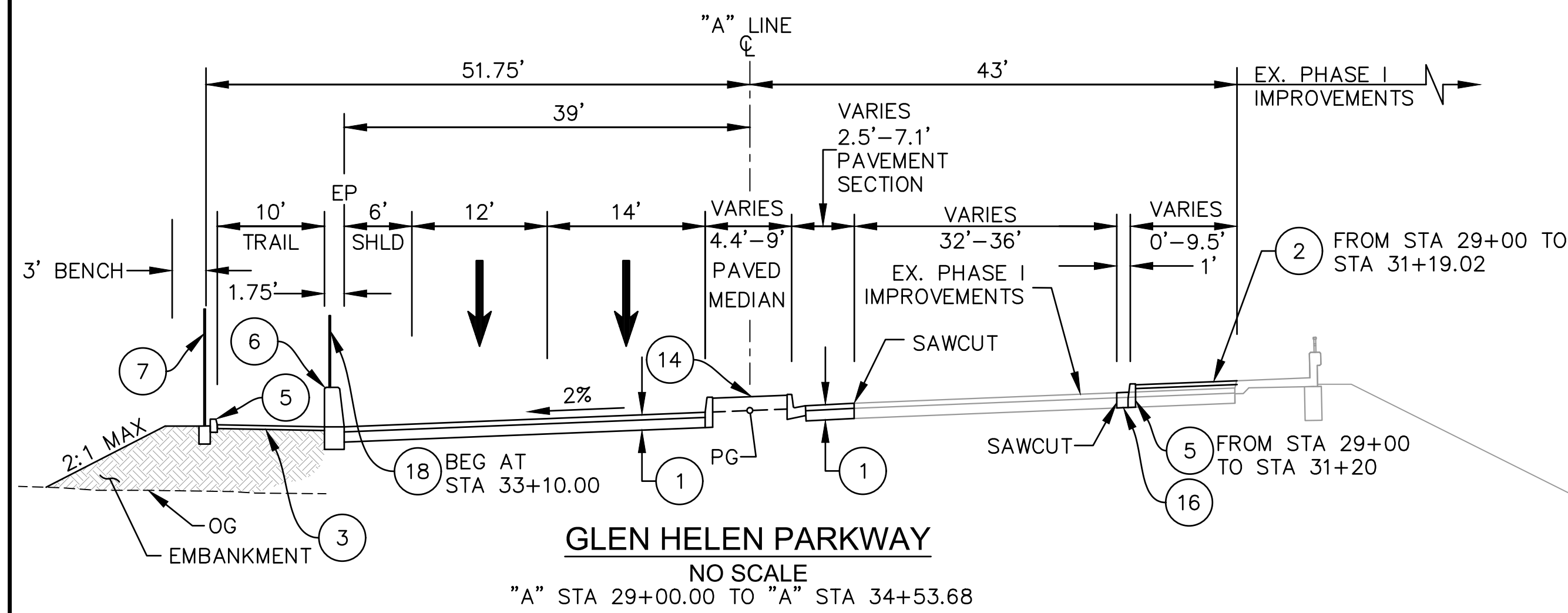
SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:	RECOMMENDED BY:
BL	KW	SA	Chris Nguyen
			8/15/24
			DATE

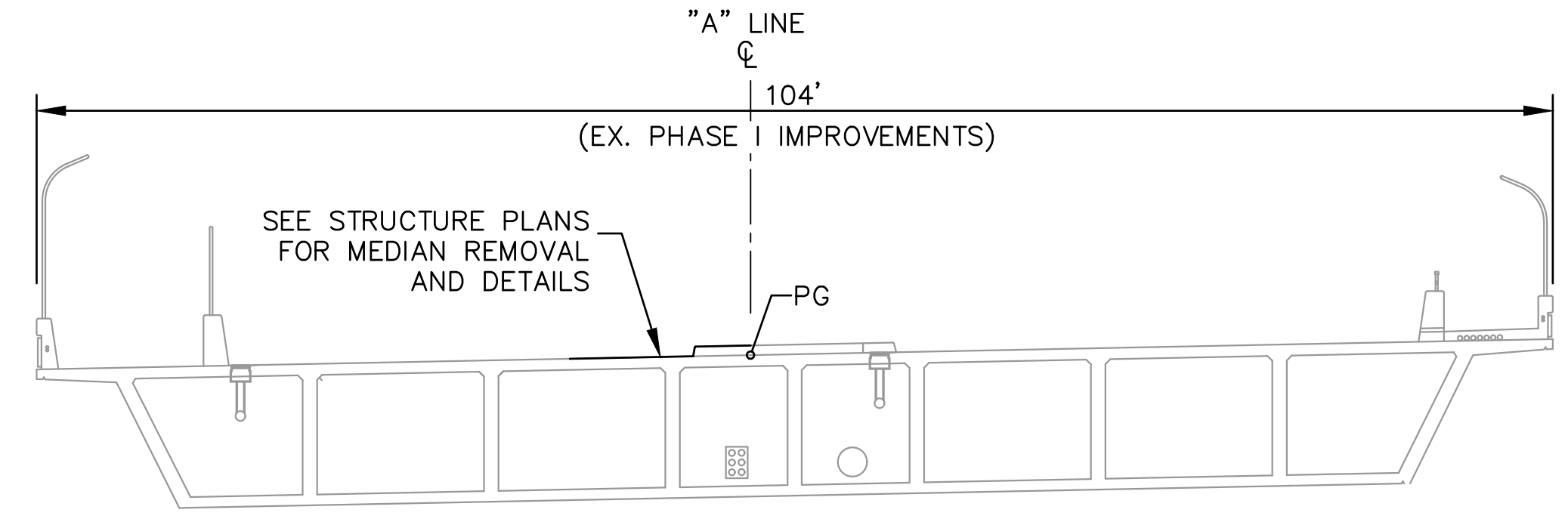
APPROVED BY:
Thomas Bustamonte
SUPERVISING ENGINEER

GLEN HELEN PARKWAY BRIDGE
OVER CAJON WASH
GLEN HELEN PARKWAY
TYPICAL SECTIONS

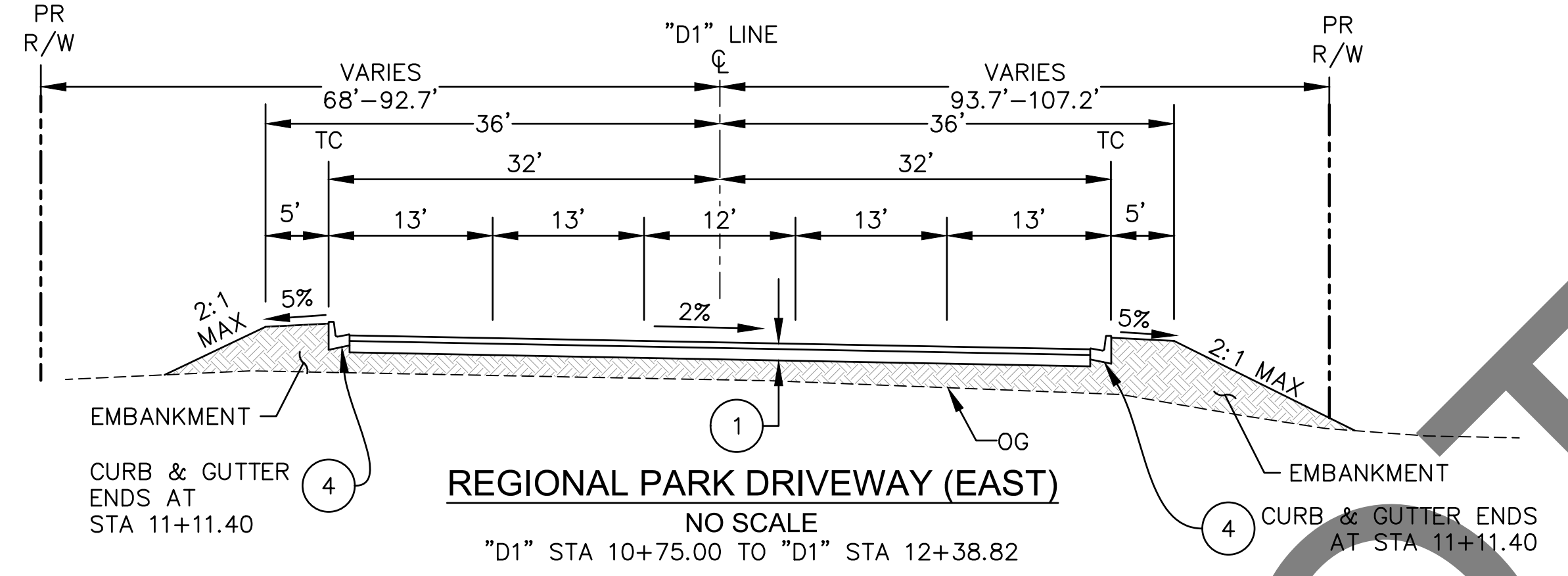
J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	X-01	4	102



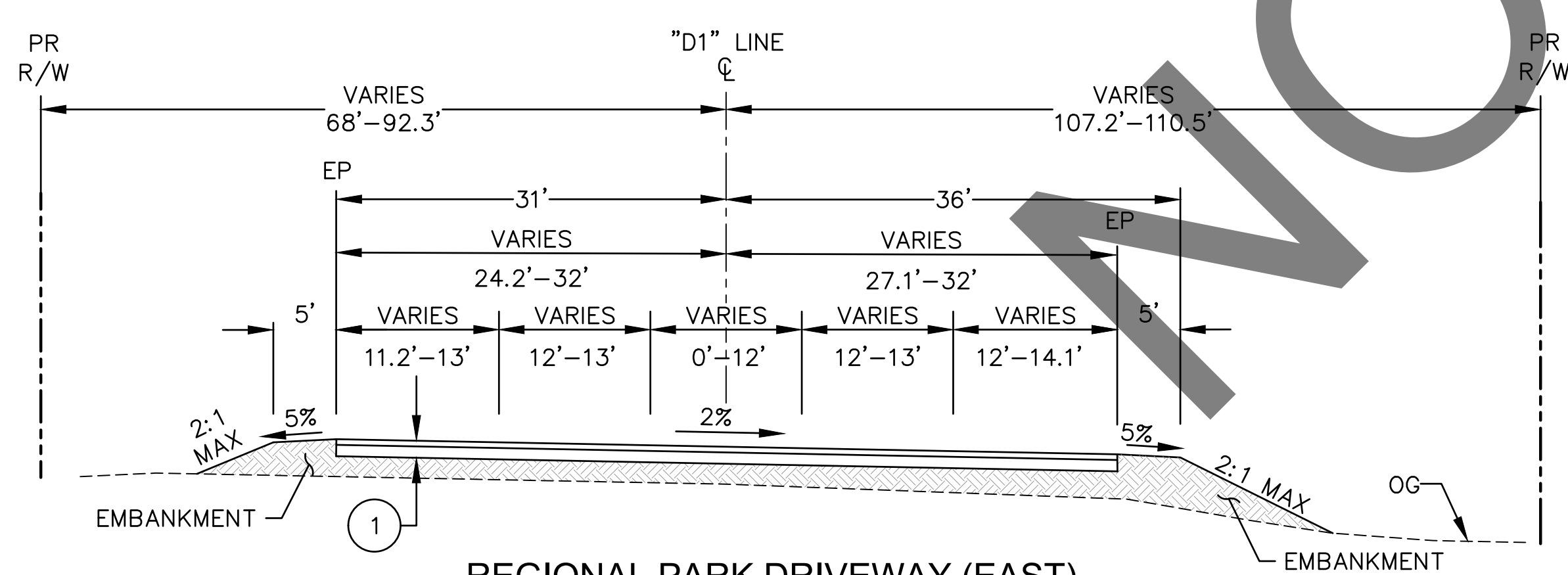
GLEN HELEN PARKWAY
NO SCALE
"A" STA 29+00.00 TO "A" STA 34+53.68



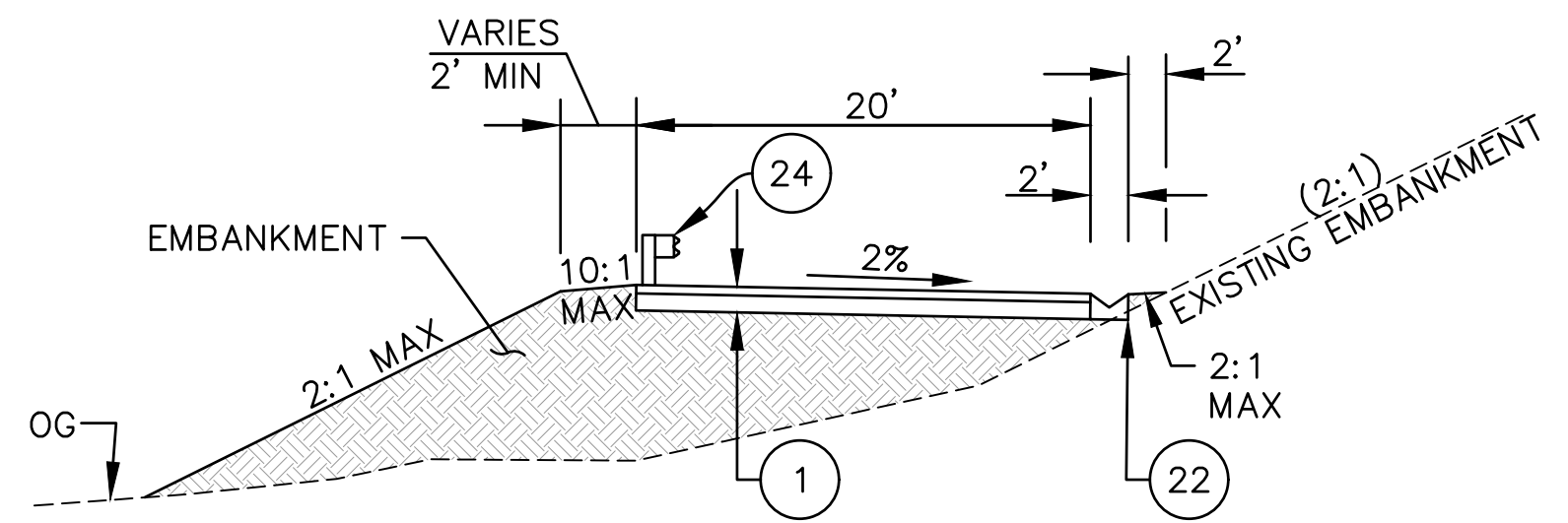
GLEN HELEN PARKWAY
NO SCALE
"A" STA 34+53.68 TO "A" STA 37+50.00



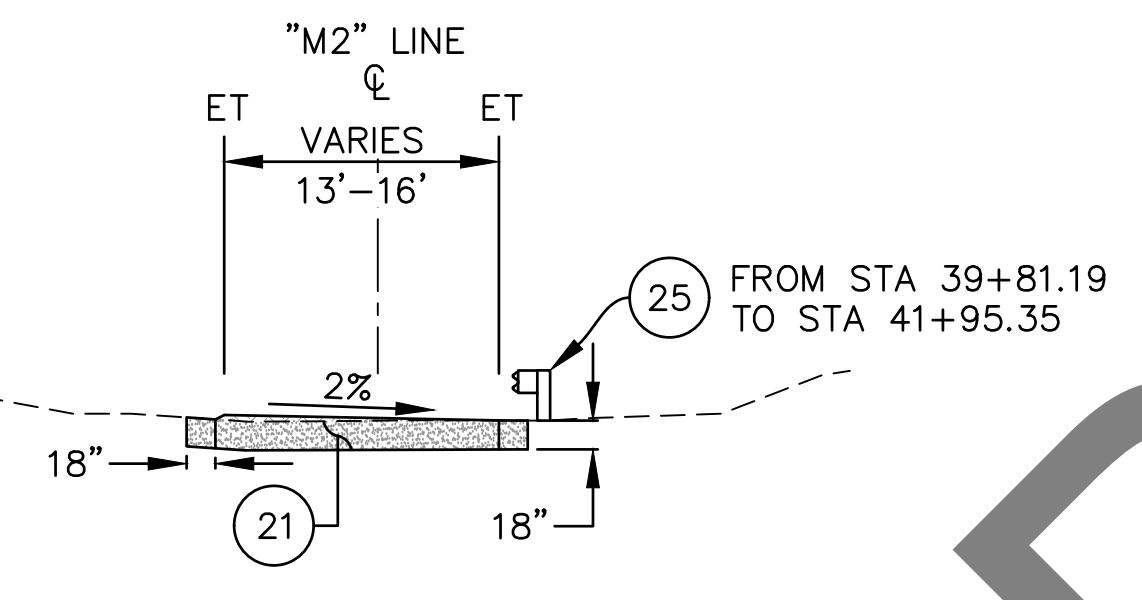
REGIONAL PARK DRIVEWAY (EAST)
NO SCALE
"D1" STA 10+75.00 TO "D1" STA 12+38.82



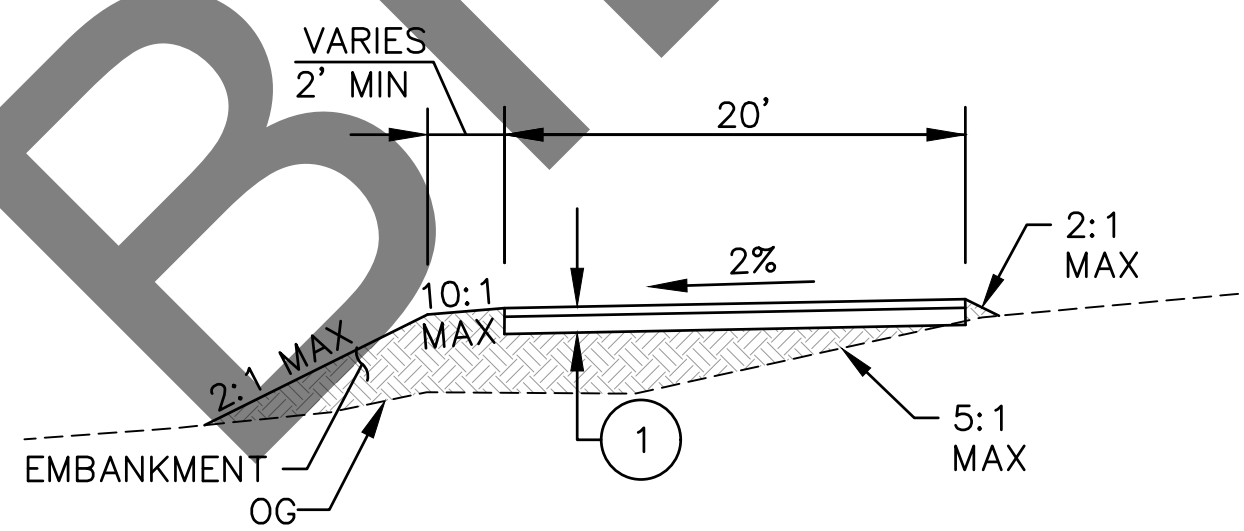
REGIONAL PARK DRIVEWAY (EAST)
NO SCALE
"D1" STA 12+38.82 TO "D1" STA 13+25.00



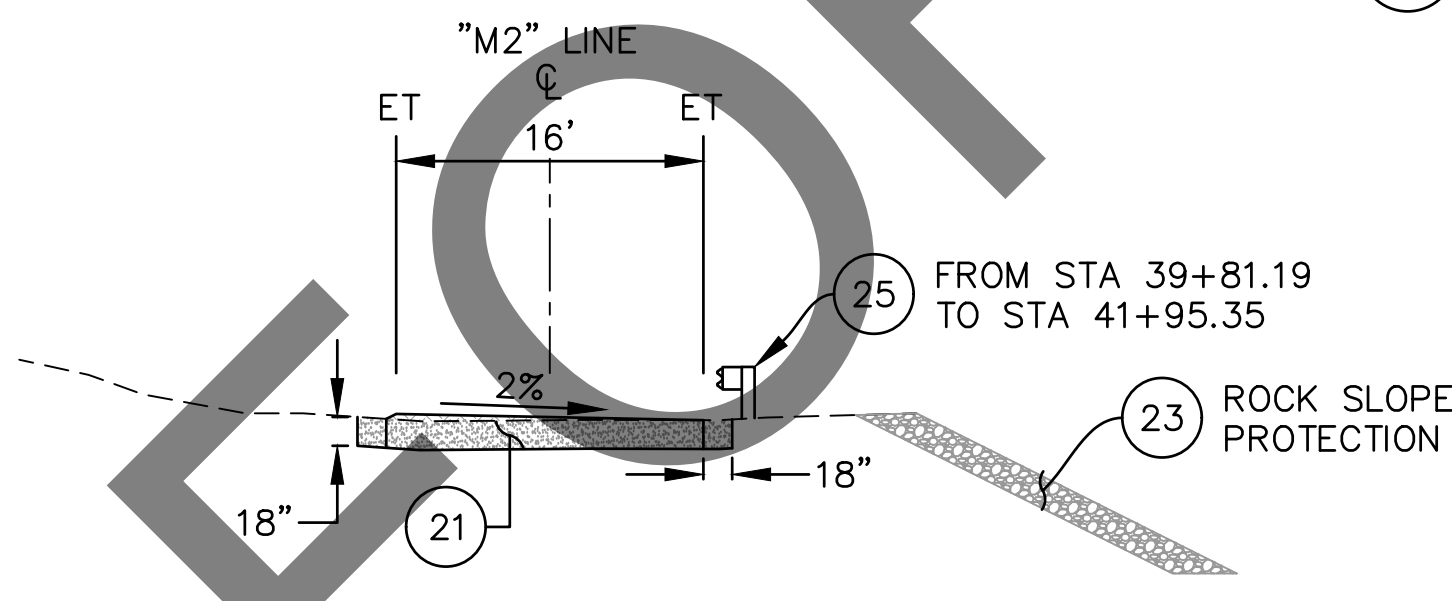
MAINTENANCE ACCESS ROAD
NO SCALE
"M1" STA 30+40.88 TO "M1" STA 33+01.58



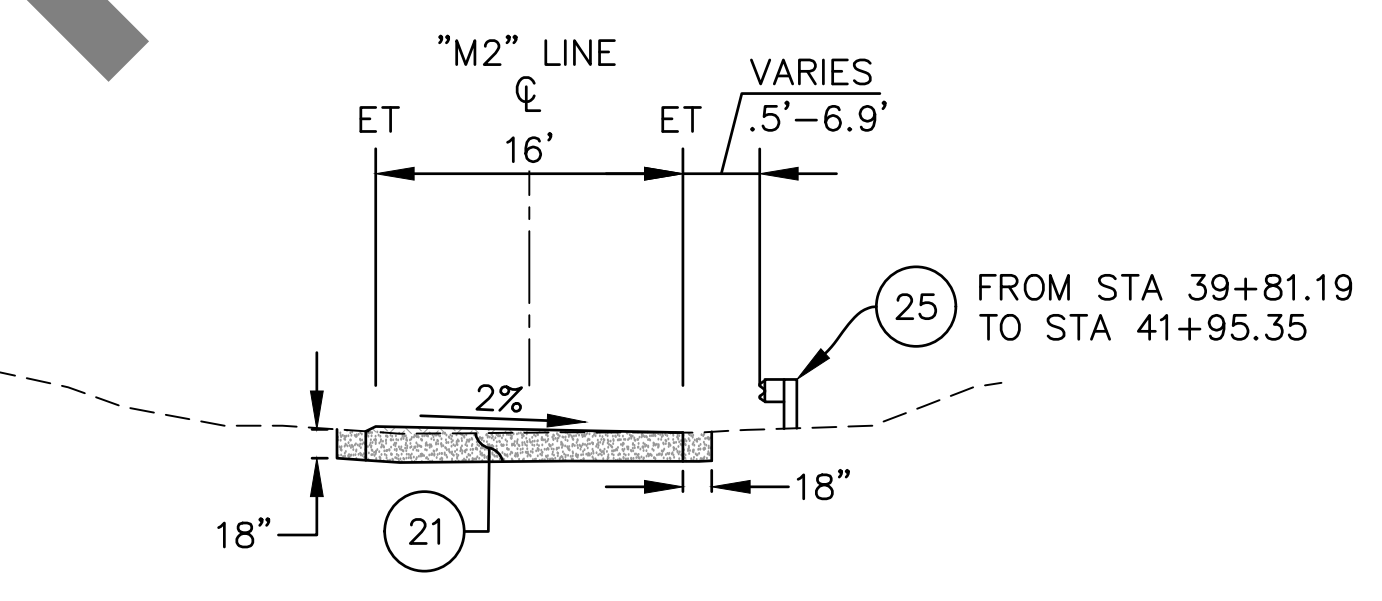
MAINTENANCE ACCESS ROAD
NO SCALE
"M2" STA 35+02.00 TO "M2" STA 40+51.75



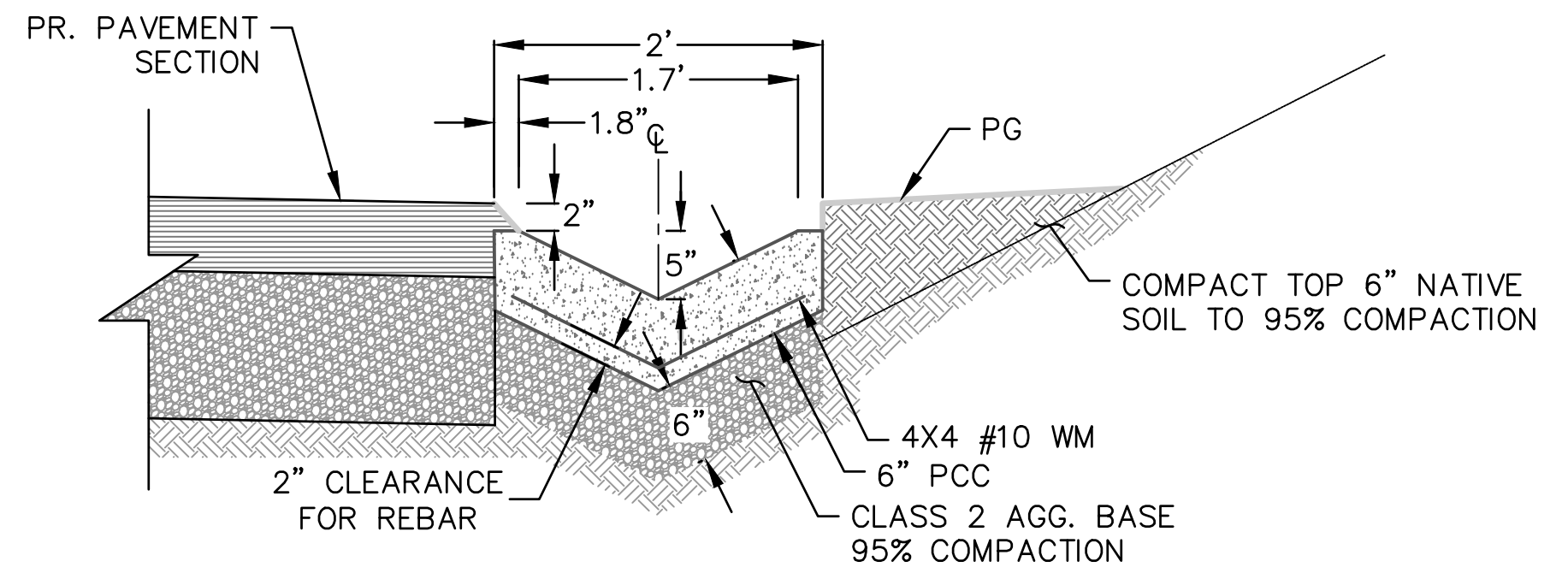
MAINTENANCE ACCESS ROAD
NO SCALE
"M1" STA 33+01.58 TO "M1" STA 34+50.82



MAINTENANCE ACCESS ROAD
NO SCALE
"M2" STA 40+51.75 TO "M2" STA 41+54.45



MAINTENANCE ACCESS ROAD
NO SCALE
"M2" STA 41+54.45 TO "M2" STA 45+20.00



NOTE: INSTALL DITCH SUCH THAT LIP OF GUTTER CUT IS AT LEAST 2" BELOW ADJACENT SURFACE GRADE.

DETAIL A - CONCRETE LINED DITCH
NO SCALE

- NOTES:**
- SEE STRUCTURAL PLANS FOR STA 19+95.00 TO STA 27+40.66
- CONSTRUCTION NOTES:**
- CONSTRUCT 0.45' HMA-A OVER 0.80' AB (CLASS 2)
 - CONSTRUCT 8" PCC CURB AND GUTTER PER COUNTY STD. NO. 115
 - CONSTRUCT MAINTENANCE ACCESS ROAD, 18" OVEREXCAVATION AND RECOMPACTION, MEASURED FROM EXISTING GRADE, AND EXTENDED HORIZONTALLY 18" FROM EDGES OF NEW FILL
 - CONSTRUCT CONCRETE LINED DITCH PER DETAIL A ON SHEET X-02
 - FOR RSP CONSTRUCTION DETAILS SEE STRUCTURAL PLANS
 - CONSTRUCT MIDWEST GUARDRAIL SYSTEM STANDARD RAILING SECTION, PER CALTRANS STD. PLAN A77L1, WITH CALTRANS END ANCHOR SYSTEM (TYPE SFT), USING TYPE 11A LAYOUT PER CALTRANS STD. PLAN A77P1
 - CONSTRUCT MIDWEST GUARDRAIL SYSTEM STANDARD RAILING SECTION, PER CALTRANS STD. PLAN A77L1, WITH CALTRANS IN-LINE TERMINAL SYSTEM END TREATMENT, USING TYPE 11D LAYOUT PER CALTRANS STD. PLAN A77P2

HATCH LEGEND:

	MAINTENANCE ACCESS ROAD
	ROCK SLOPE PROTECTION

100% SUBMISSION 7/31/2024

REVISIONS	DATE	APPR.

FILE NO. 382400 050

PLANS PREPARED BY:

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SUITE 400
NEWPORT BEACH, CA 92660
(949) 526-8460
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MARK	CHANGES	RESIDENT ENGINEER	DATE

FIELD CHANGES

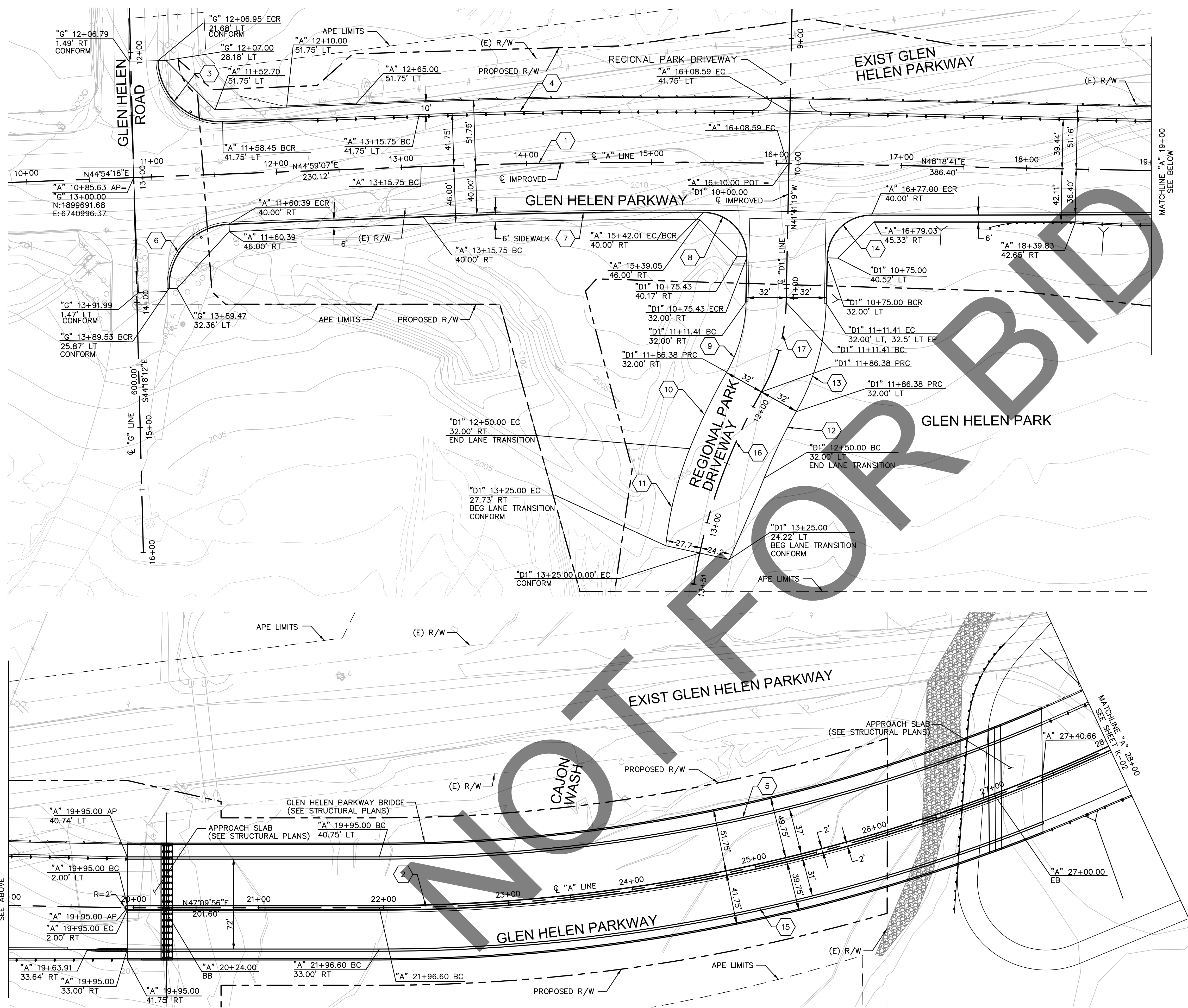


SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: BL	DRAWN BY: KW	CHECKED BY: SA	RECOMMENDED BY: <i>[Signature]</i> 8/15/24
APPROVED BY: <i>[Signature]</i> 8/15/24			THOMAS BUSTAMANTE, P.E. 8/15/24
THOMAS BUSTAMANTE, P.E. 8/15/24			MERVAT ILKIRKHALI, P.E. 8/15/24

GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH				
GLEN HELEN PARKWAY TYPICAL SECTIONS & MISCELLANEOUS DETAILS				
J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	X-02	5	102

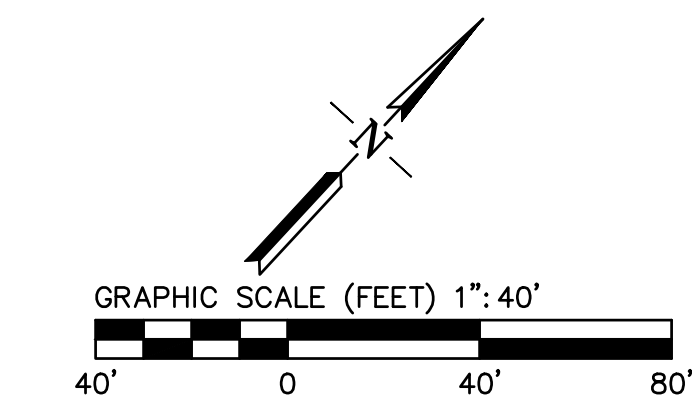
NOTES
 1. ALL STATION/OFFSET DIMENSIONS ARE TO THE TOP OF CURB OR FACE OF BARRIER UNLESS OTHERWISE NOTED.



CURVE TABLE				
CURVE NO.	LENGTH	RADIUS	DELTA	TANGENT
1	292.84	5044.50	3°19'34"	146.46
2	1250.70	1400.00	51°11'09"	670.55
3	79.57	50.00	91°10'37"	51.04
4	295.27	5086.25	3°19'34"	147.67
5	1204.41	1359.25	50°46'09"	644.97
6	78.38	50.00	89°49'11"	49.84
7	224.46	5004.50	2°34'11"	112.25
8	55.44	35.00	90°45'23"	35.47
9	58.98	118.00	28°38'20"	30.12
10	68.14	482.00	8°05'59"	34.13
11	80.25	293.88	15°38'43"	40.37
12	59.09	418.00	8°05'59"	29.60
13	90.97	182.00	28°38'20"	46.46
14	54.98	35.00	90°00'00"	35.00
15	689.10	1433.00	27°33'09"	351.35
16	138.62	450.00	17°38'57"	69.86
17	74.98	150.00	28°38'20"	38.29

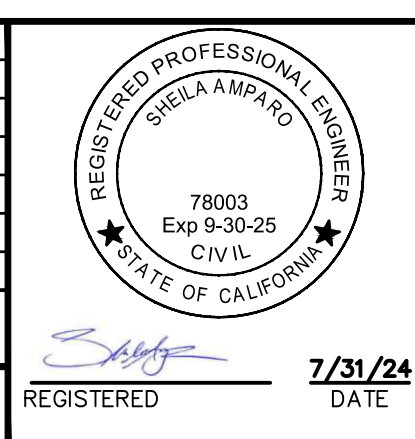
MARK	REVISIONS	APPR.	DATE

FILE NO. 382400 050



PLANS PREPARED BY:
BKF ENGINEERS
 4675 MACARTHUR CT.
 SUITE 400
 NEWPORT BEACH, CA 92660
 (949) 526-8460
 www.bkf.com

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES			



SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: BL	DRAWN BY: KW	CHECKED BY: SA	RECOMMENDED BY: <i>Chris Nguyen</i>
			8/15/24

APPROVED BY: *Thomas Bustamonte* 8/15/24
 THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER

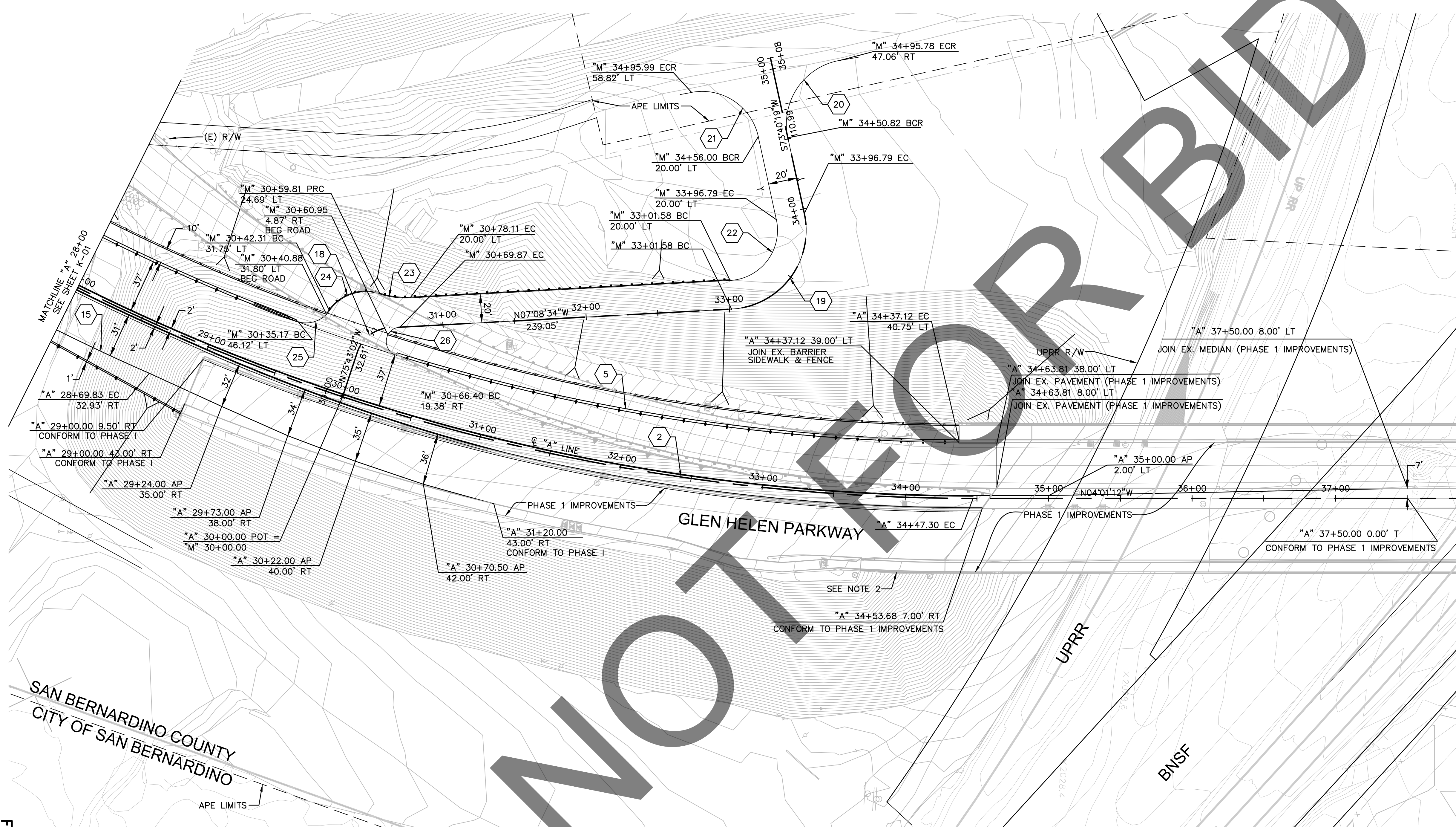
GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH
 GLEN HELEN PARKWAY
 HORIZONTAL CONTROL
 "A" LINE 10+00 TO "A" LINE 28+00

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	K-01	6	102

100% SUBMISSION 7/31/2024

NOTES

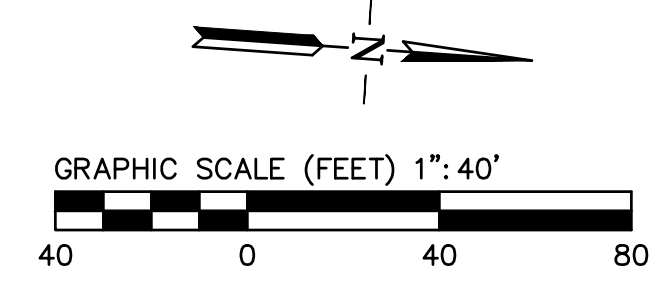
1. ALL STATION/OFFSET DIMENSIONS ARE TO THE TOP OF CURB OR FACE OF BARRIER UNLESS OTHERWISE NOTED.
2. PHASE I IMPROVEMENTS WERE CONSTRUCTED UNDER WORK ORDER NO. H14057.



CURVE TABLE				
CURVE NO.	LENGTH	RADIUS	DELTA	TANGENT
(2)	1250.70	1400.00	51°11'09"	670.55
(5)	1204.41	1359.25	50°46'09"	644.97
(15)	689.10	1433.00	27°33'09"	351.35
(18)	29.92	25.00	68°34'28"	17.05
(19)	95.21	55.00	99°11'06"	64.61
(20)	72.74	45.00	92°37'07"	47.11
(21)	61.66	40.00	88°18'53"	38.84
(22)	60.59	35.00	99°11'06"	41.11
(23)	21.65	59.00	21°01'23"	10.95
(24)	39.38	31.00	72°47'18"	22.85
(25)	25.85	20.00	74°02'28"	15.08
(26)	27.87	10.00	159°41'18"	55.82

MARK	REVISIONS	APPR.	DATE
MARK	REVISIONS	APPR.	DATE
MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
CITY OF SAN BERNARDINO



FILE NO. 382400 050

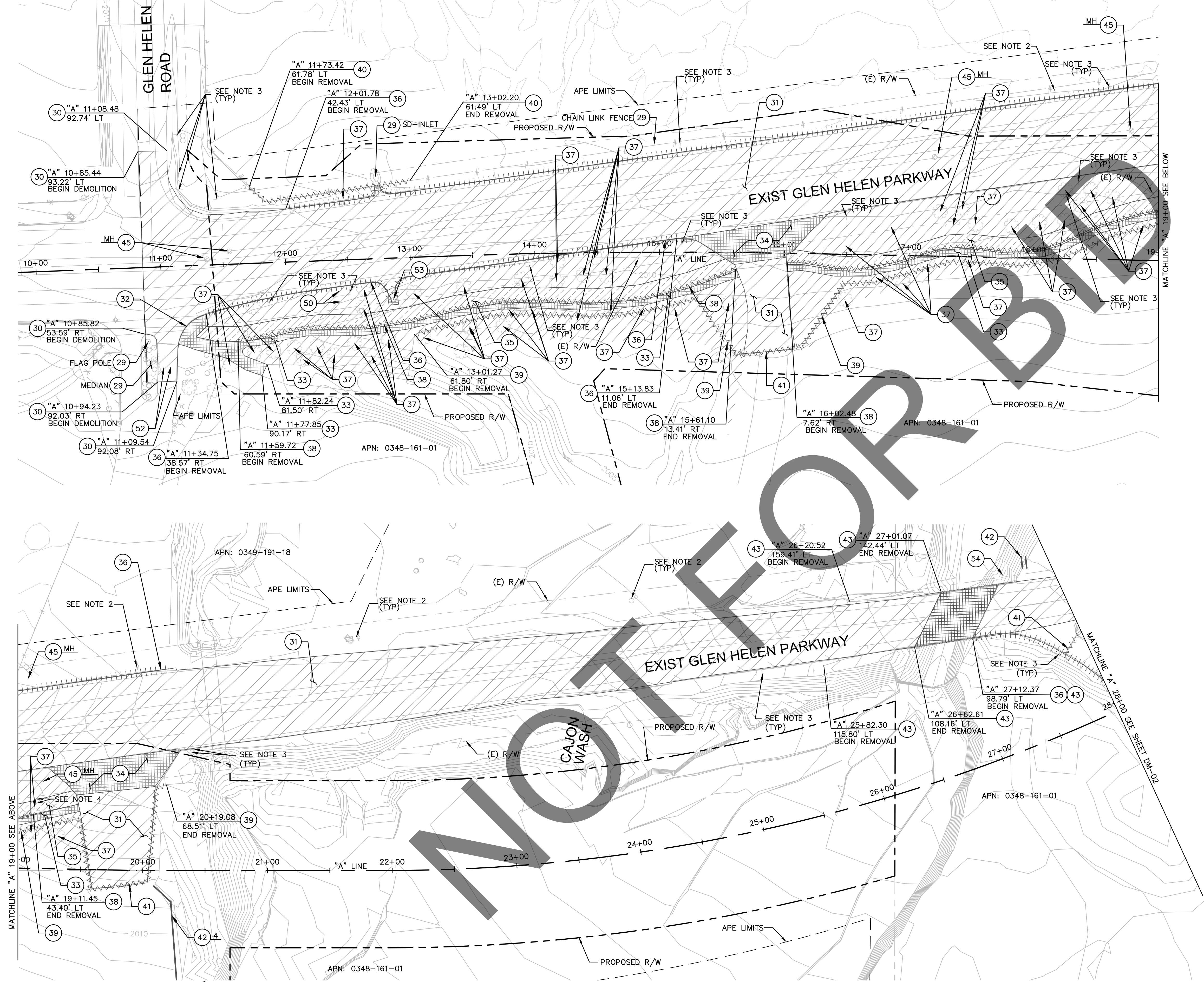
100% SUBMISSION 7/31/2024

<p>PLANS PREPARED BY:</p> <p>BKF ENGINEERS 4675 MACARTHUR CT. SUITE 400 NEWPORT BEACH, CA 92660 (949) 526-8460 www.bkf.com</p>	<p>REGISTERED PROFESSIONAL ENGINEER</p> <p>SHIELA AMPARO</p> <p>78003 Exp 9-30-25 CIVIL STATE OF CALIFORNIA</p>	<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DESIGNED BY: BL DRAWN BY: KW CHECKED BY: SA RECOMMENDED BY: Chris Nguyen P.E. ENGINEERING MANAGER 8/15/24 DATE</p> <p>APPROVED BY: Thomas Bustamonte 8/15/24 DATE THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER MERVAT M. HAKHAIL, P.E. DEPUTY DIRECTOR</p>	<p>GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH</p> <p>GLEN HELEN PARKWAY HORIZONTAL CONTROL</p> <p>"A" LINE 28+00 TO "A" LINE 37+50</p> <p>J.L. REF. 11334 W.O. NO. H14646 DRAWING NO. K-02 SHT. NO. 7 TOT. SHT'S. 102</p>								
<p>FIELD CHANGES</p> <table border="1"> <tr> <th>MARK</th> <th>CHANGES</th> <th>RESIDENT ENGINEER</th> <th>DATE</th> </tr> <tr> <td> </td> <td>NO CHANGES</td> <td> </td> <td> </td> </tr> </table>		MARK	CHANGES	RESIDENT ENGINEER	DATE		NO CHANGES			<p>7/31/24</p>	<p>100%</p>
MARK	CHANGES	RESIDENT ENGINEER	DATE								
	NO CHANGES										

- NOTES:**
- TREES THAT ARE NOT SHOWN ON THE PLAN BUT FOUND IN FIELD, REMOVE IF WITHIN FIVE FEET OF NEW IMPROVEMENTS
 - REMOVAL AND INSTALLATION OF STREET LIGHT AND POWER POLES WILL BE PREPARED BY SCE
 - SEE SS PLANS FOR EXISTING SIGNING AND STRIPING REMOVAL AND IMPROVEMENTS
 - SEE COMPOSITE UTILITY PLAN FOR REMOVAL AND RELOCATION OF UTILITY INDICATORS

- DEMOLITION NOTES:**
- (29) PROTECT-IN-PLACE
 - (30) SAWCUT PAVEMENT
 - (31) REMOVE ASPHALT PAVEMENT
 - (32) REMOVE CONCRETE CURB
 - (33) REMOVE CONCRETE SIDEWALK
 - (34) REMOVE CONCRETE DRIVEWAY
 - (35) REMOVE EQUESTRIAN TRAIL
 - (36) REMOVE AC DIKE
 - (37) REMOVE TREE
 - (38) REMOVE VINYL FENCE
 - (39) REMOVE PIPE FENCE
 - (40) REMOVE 6' CHAIN LINK FENCE
 - (41) REMOVE GATE
 - (42) REMOVE K-RAIL
 - (43) REMOVE MBGR
 - (45) ADJUST TO GRADE
 - (50) REMOVE EXISTING POST
 - (52) RELOCATE EXISTING POST
 - (53) REMOVE SD CATCH BASIN
 - (54) REMOVE CRASH CUSHION

- LEGEND:**
- REMOVE AC PAVEMENT
 - REMOVE CONCRETE
 - REMOVE EQUESTRIAN TRAIL
 - REMOVE BRIDGE
 - CLEAR AND GRUB
 - REMOVE AC DIKE
 - REMOVE FENCING/GATE
 - REMOVE K-RAIL
 - (E) R/W
 - PROPOSED R/W
 - APE LIMIT



APPR.	DATE
REVISIONS	
MARK	
APPR.	DATE
REVISIONS	
MARK	

FILE NO. 382400 050



100% SUBMISSION 7/31/2024

PLANS PREPARED BY: BKF ENGINEERS 4675 MACARTHUR CT. SUITE 400 NEWPORT BEACH, CA 92660 (949) 526-8460 www.bkf.com	REGISTERED PROFESSIONAL ENGINEER SHEILA AMPARO 78003 Exp 9-30-25 CIVIL STATE OF CALIFORNIA		SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS		GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH GLEN HELEN PARKWAY DEMOLITION PLAN NO. 1 "A" LINE 10+00 TO "A" LINE 28+00	
	DESIGNED BY: BL DRAWN BY: KW CHECKED BY: SA RECOMMENDED BY: Chris Nguyen, P.E. 8/15/24 ENGINEERING MANAGER		APPROVED BY: Thomas Bustamonte, P.E. 8/15/24 SUPERVISING ENGINEER		J.L. REF. 11334 W.O. NO. H14646 DRAWING NO. DM-01 SHT. NO. 8 TOT. SHTS. 102	

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES

REGISTERED PROFESSIONAL ENGINEER
 THOMAS BUSTAMONTE
 DATE 7/31/24



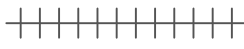


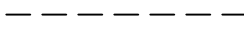
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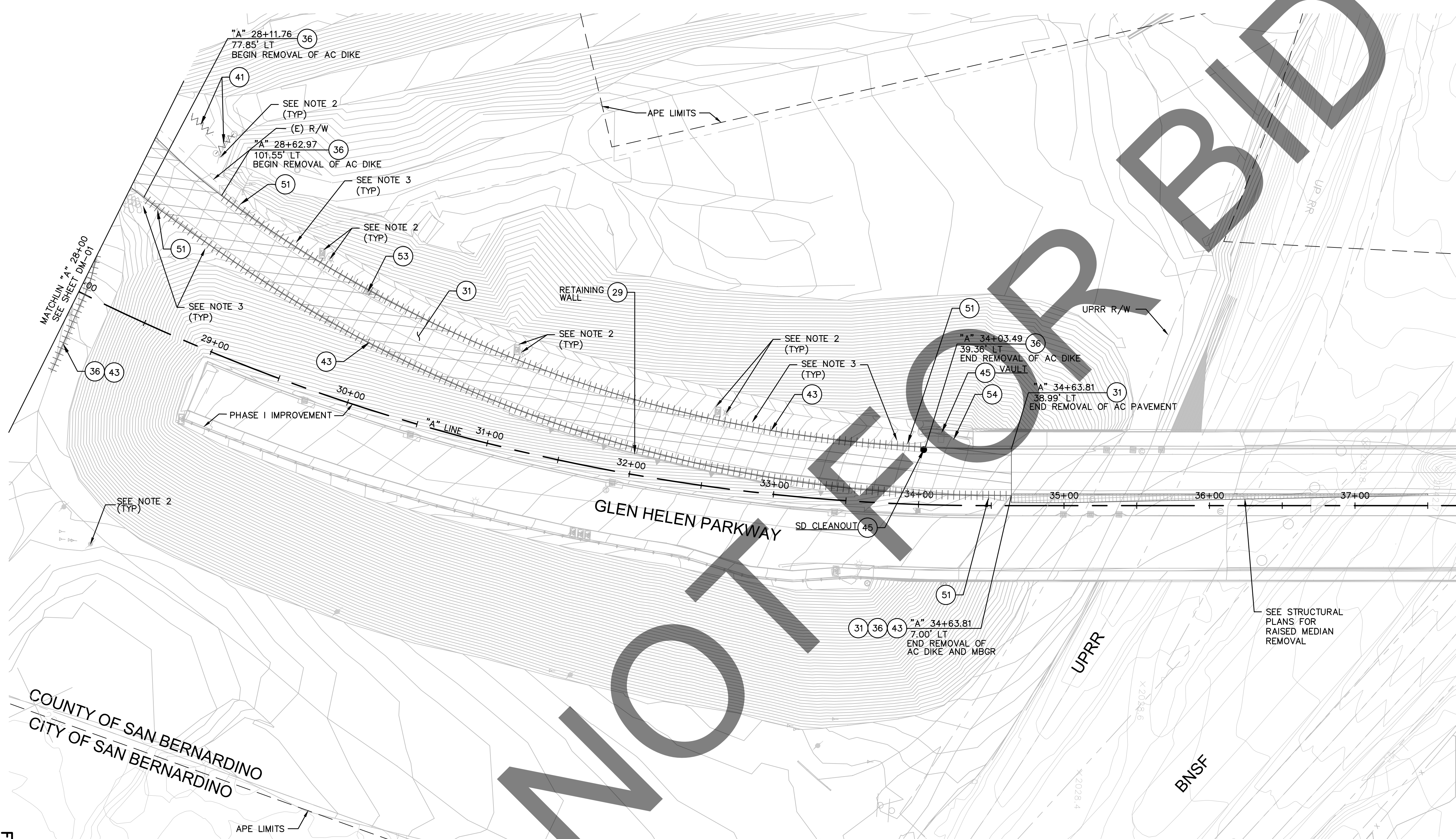
1. TREES THAT ARE NOT SHOWN ON THE PLAN BUT FOUND IN FIELD, REMOVE IF WITHIN FIVE FEET OF NEW IMPROVEMENTS
2. REMOVAL AND INSTALLATION OF STREET LIGHT AND POWER POLES WILL BE PREPARED BY SCE
3. SEE SS PLANS FOR EXISTING SIGNING AND STRIPING REMOVAL AND IMPROVEMENTS

DEMOLITION NOTES:

- 29 PROTECT-IN-PLACE
- 31 REMOVE ASPHALT PAVEMENT
- 36 REMOVE AC DIKE
- 41 REMOVE GATE
- 43 REMOVE MBGR
- 45 ADJUST TO GRADE
- 51 REMOVE MBGR TERMINAL SYSTEM
- 53 REMOVE SD CATCH BASIN
- 54 REMOVE CRASH CUSHION

LEGEND:

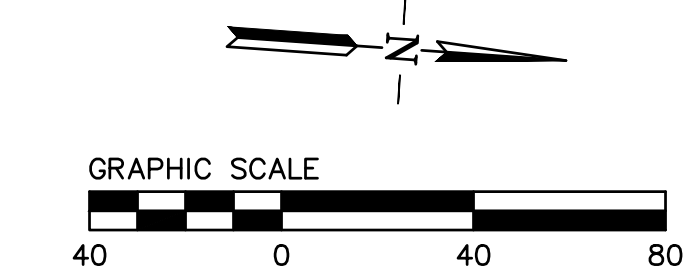
-  REMOVE AC PAVEMENT
-  REMOVE CONCRETE
-  REMOVE AC DIKE
-  REMOVE FENCING/GATE
-  (E) R/W
-  APE LIMIT





NOT FOR BID

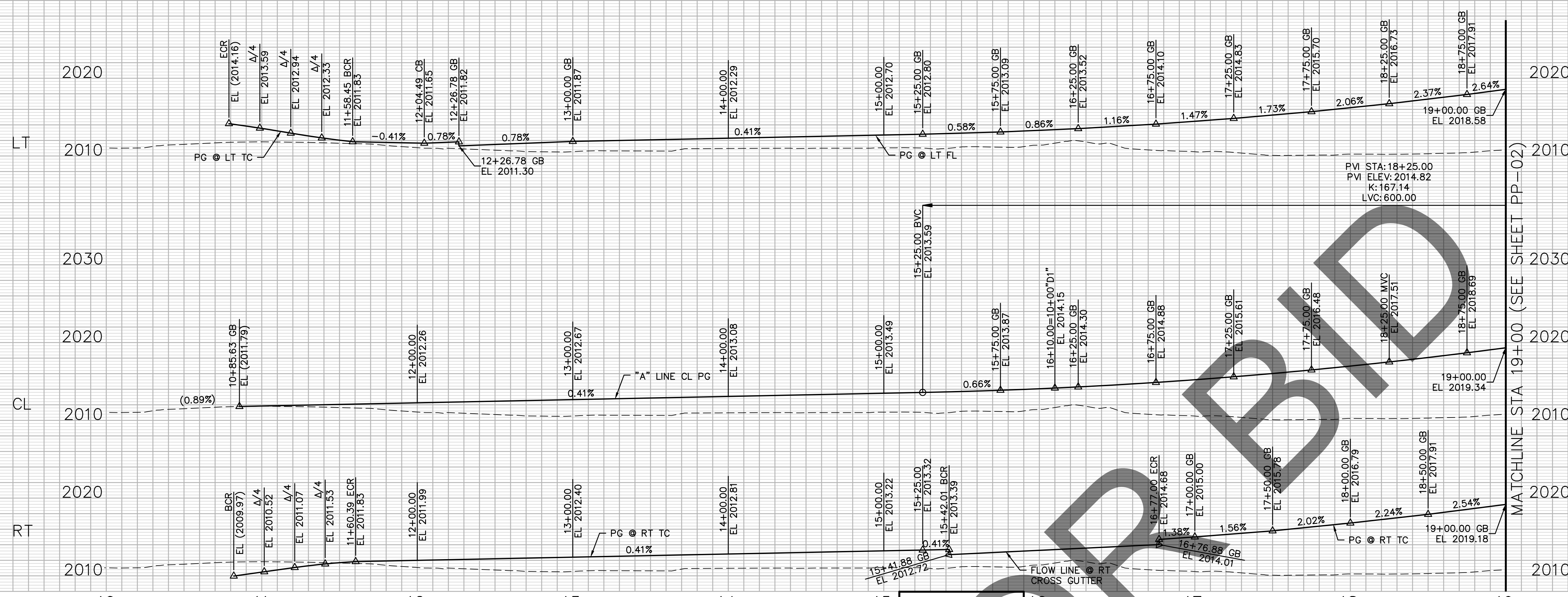
MARK	REVISIONS	APPR.	DATE

FILE NO. 382400 050



100% SUBMISSION 7/31/2024

PLANS PREPARED BY:  BKF ENGINEERS 4675 MACARTHUR CT. SUITE 400 NEWPORT BEACH, CA 92660 (949) 526-8460 www.bkf.com		 REGISTERED PROFESSIONAL ENGINEER SHEILA AMPARO 78003 Exp 9-30-25 CIVIL STATE OF CALIFORNIA	SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS DESIGNED BY: <u>BL</u> DRAWN BY: <u>KW</u> CHECKED BY: <u>SA</u> RECOMMENDED BY: <u>Chris Nguyen</u> 8/15/24 <small>CHRIS NGUYEN, P.E. ENGINEERING MANAGER</small>	GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH GLEN HELEN PARKWAY DEMOLITION PLAN NO. 2 "A" LINE 28+00 TO "A" LINE 36+00
MARK CHANGES RESIDENT ENGINEER DATE NO CHANGES _____ _____ FIELD CHANGES		APPROVED BY: <u>Thomas Bustamonte</u> 8/15/24 <small>THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</small>	APPROVED BY: <u>Mervat M. Khalil</u> 8/15/24 <small>MERVAT M. KHALIL, P.E. DEPUTY DIRECTOR</small>	J.L. REF. W.O. NO. DRAWING NO. SHT. NO. TOT. SHT'S. 11334 H14646 DM-02 9 102



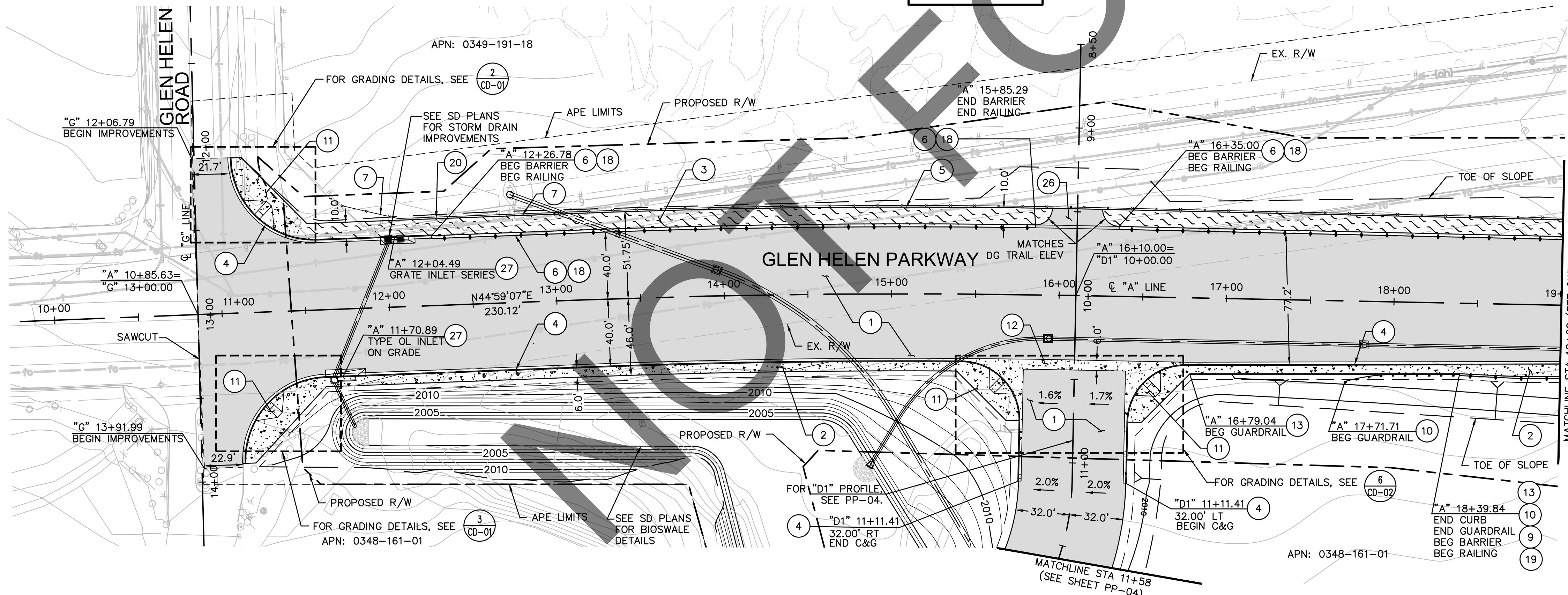
PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=8'

CONSTRUCTION NOTES:

- 1 CONSTRUCT 0.45' HMA-A OVER 0.80' AB (CLASS 2)
- 2 CONSTRUCT 4" PCC TYPE C SIDEWALK PER COUNTY STD. NO. 109
- 3 CONSTRUCT 4" STABILIZED DECOMPOSED GRANITE TRAIL PER DETAIL 5, SHEET CD-02
- 4 CONSTRUCT 8" PCC CURB AND GUTTER PER COUNTY STD. NO. 115
- 5 CONSTRUCT 8" PCC CURB TYPE A1-8 PER CALTRANS STD. PLAN NO. A87A
- 6 CONSTRUCT TYPE 742 BARRIER (MOD 3) PER DETAIL 8 AND DETAIL 11, SHEET CD-02
- 7 CONSTRUCT PICKET RAILING FENCE PER DETAIL 1, SHEET CD-01
- 9 CONSTRUCT TUBULAR HAND RAILING PER CALTRANS STD. PLAN B11-51
- 10 CONSTRUCT MIDWEST GUARDRAIL SYSTEM STANDARD RAILING SECTION, PER CALTRANS STD. PLAN A77L1, WITH CALTRANS END ANCHOR SYSTEM (TYPE SFT), USING TYPE 12BB LAYOUT PER CALTRANS STD. PLAN A77Q1.
- 11 CONSTRUCT ADA RAMP PER CALTRANS STD. A88A, CASE A
- 12 CONSTRUCT PCC CROSS GUTTER PER COUNTY STD NO. 119. SEE DETAIL 6 ON SHEET CD-06
- 13 CONSTRUCT 6" PCC CURB TYPE A1-6 PER CALTRANS STD. PLAN NO. A87A
- 18 CONSTRUCT TYPE 7 CHAIN LINK RAILING PER CALTRANS STD PLAN NO. B11-52
- 19 CONSTRUCT TYPE 26 BARRIER (MOD 2) PER DETAIL 9, SHEET CD-02
- 20 INSTALL METAL GATE
- 26 CONSTRUCT 3" AC DRIVEWAY PER COUNTY STD. NO. 129A
- 27 CONSTRUCT GUTTER DEPRESSION PER CALTRANS STD PLAN PLAN NO. D72 (TYPE PER PLAN)

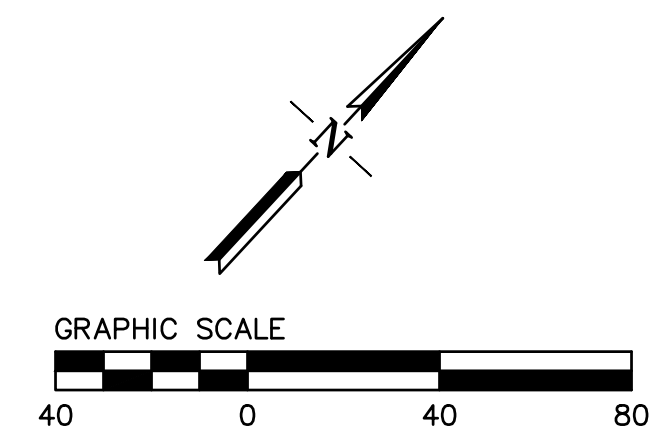
LEGEND:

- CONSTRUCT PAVEMENT
- CONSTRUCT CONCRETE
- CONSTRUCT TRAIL
- PROPOSED R/W
- APE LIMIT
- MIDWEST GUARDRAIL RAILING
- BARRIER
- ADIEM CRASH CUSHION



MARK	REVISIONS	DATE

FILE NO. 382400 050



PLANS PREPARED BY:

BKF ENGINEERS
4675 MACARTHUR CT.
SUITE 400
NEWPORT BEACH, CA 92660
(949) 526-8460
www.bkf.com

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES

REGISTERED PROFESSIONAL ENGINEER
SHEILA AMPARO
78003
Exp 9-30-25
CIVIL
STATE OF CALIFORNIA

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

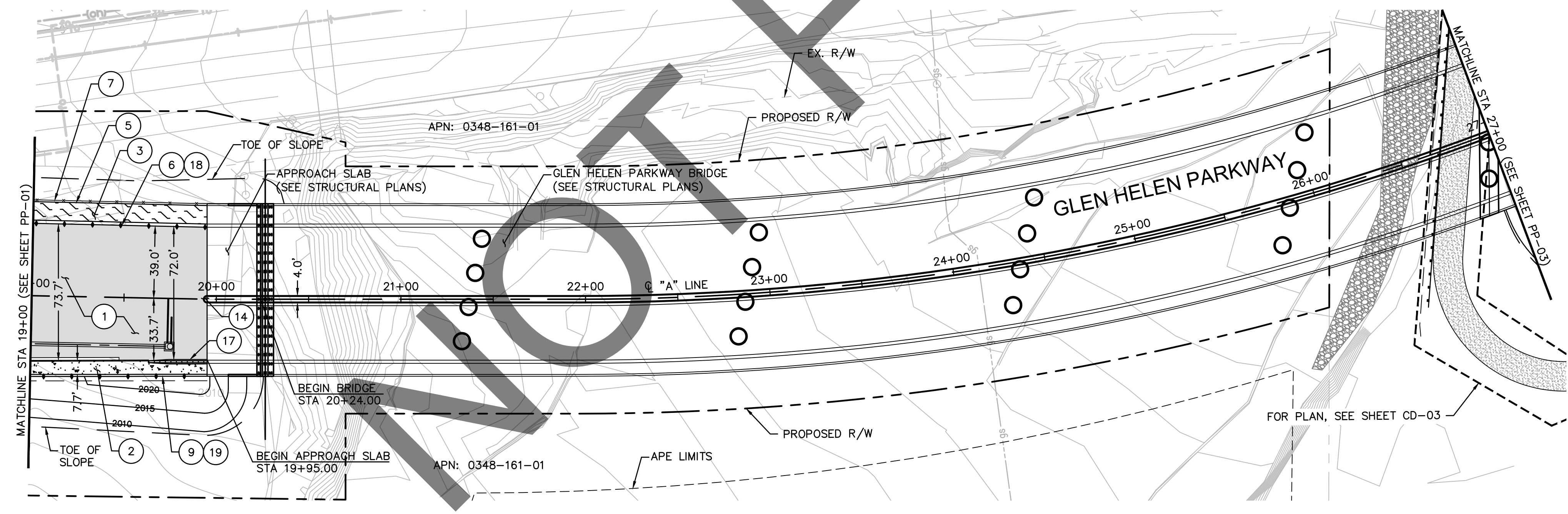
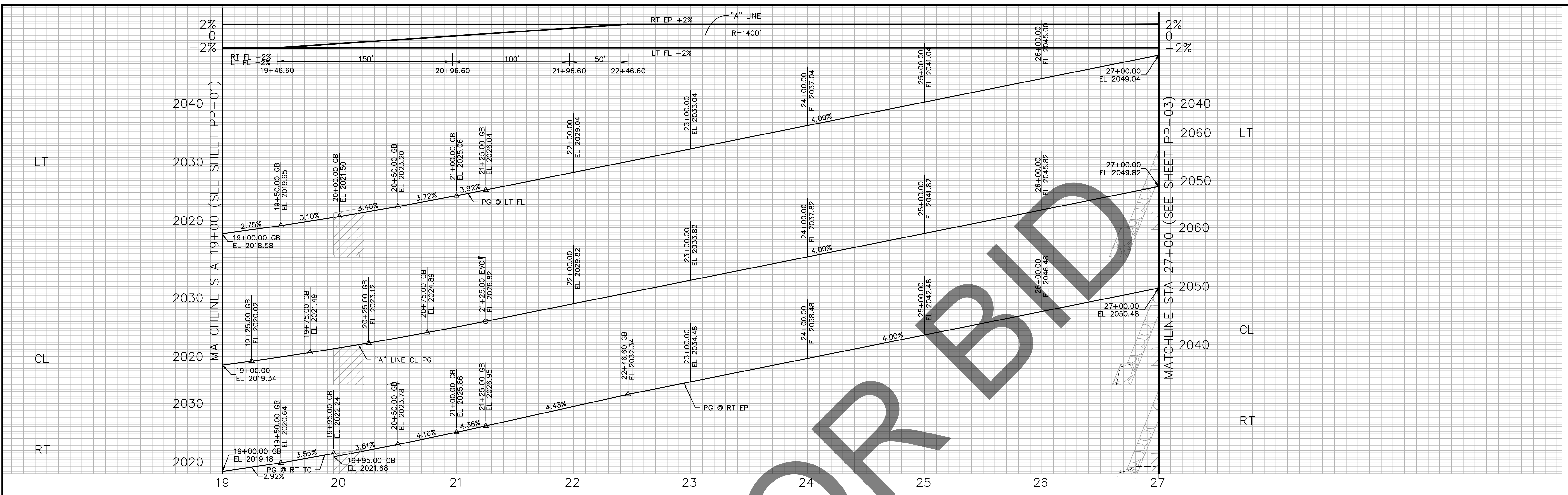
DESIGNED BY: BL	DRAWN BY: KW	CHECKED BY: SA	RECOMMENDED BY: [Signature]
			CHRIS NGUYEN, P.E. ENGINEERING MANAGER
			8/15/24

APPROVED BY: [Signature]
THOMAS BUSTAMANTE, P.E.
SUPERVISING ENGINEER

GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH
GLEN HELEN PARKWAY
PLAN AND PROFILE
"A" LINE 10+00 TO "A" LINE 19+00

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	PP-01	10	102

100% SUBMISSION 7/31/2024



CONSTRUCTION NOTES:

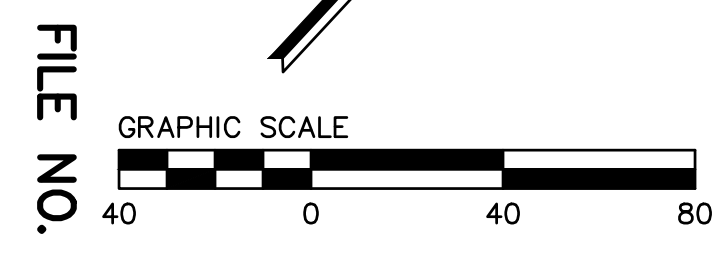
- 1 CONSTRUCT 0.45' HMA-A OVER 0.80' AB (CLASS 2)
- 2 CONSTRUCT 4" PCC TYPE C SIDEWALK PER COUNTY STD. NO. 109
- 3 CONSTRUCT 4" STABILIZED DECOMPOSED GRANITE TRAIL PER DETAIL 5, SHEET CD-02
- 5 CONSTRUCT 8" PCC CURB TYPE A1-8 PER CALTRANS STD. PLAN NO. A87A
- 6 CONSTRUCT TYPE 742 BARRIER (MOD 3) PER DETAIL 8 AND DETAIL 11, SHEET CD-02
- 7 CONSTRUCT PICKET RAILING FENCE PER DETAIL 1, SHEET CD-01
- 9 CONSTRUCT TUBULAR HAND RAILING PER CALTRANS STD. PLAN B11-51
- 14 CONSTRUCT MEDIAN HARDSCAPE (STAMPED CONCRETE) PER DETAIL 4, SHEET CD-01
- 17 CONSTRUCT ADIEM CRASH CUSHION
- 18 CONSTRUCT TYPE 7 CHAIN LINK RAILING PER CALTRANS STD PLAN NO. B11-52
- 19 CONSTRUCT TYPE 26 BARRIER (MOD 2) PER DETAIL 9, SHEET CD-02

LEGEND:

- CONSTRUCT PAVEMENT
- CONSTRUCT CONCRETE
- CONSTRUCT TRAIL
- ROCK SLOPE PROTECTION
- COMPACTED SOIL
- ADIEM CRASH CUSHION
- APE LIMIT
- MIDWEST GUARDRAIL RAILING
- BARRIER
- EXISTING R/W
- PROPOSED R/W

100% SUBMISSION 7/31/2024

MARK	REVISIONS	APPR.	DATE

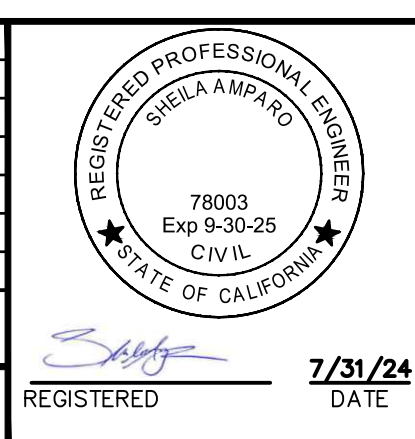


FILE NO. 382400 050

PLANS PREPARED BY:
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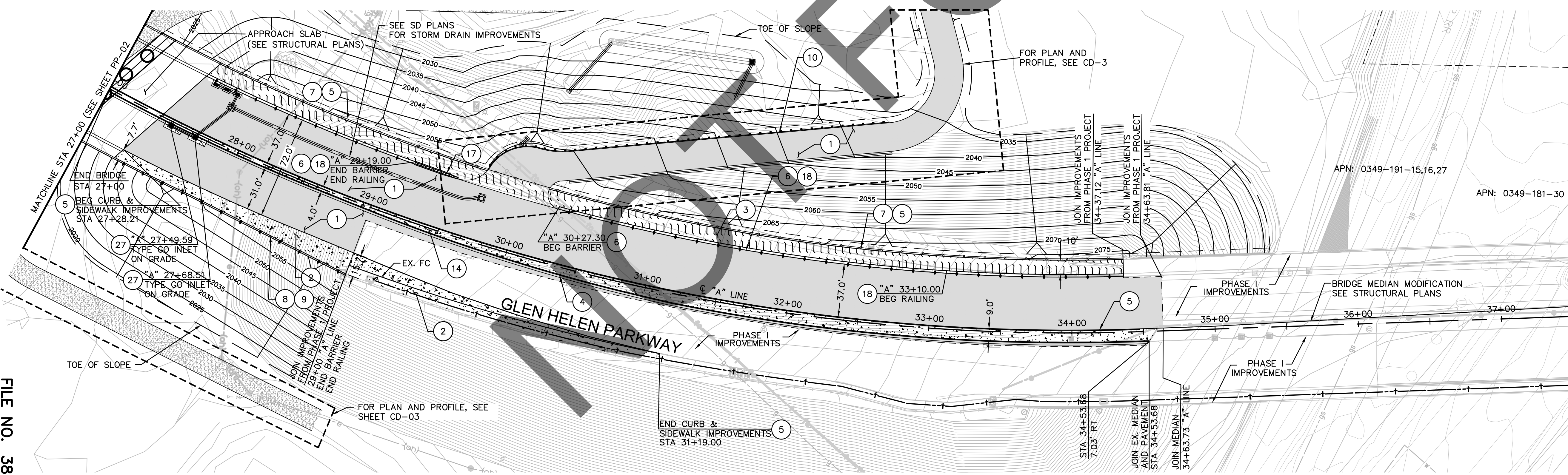
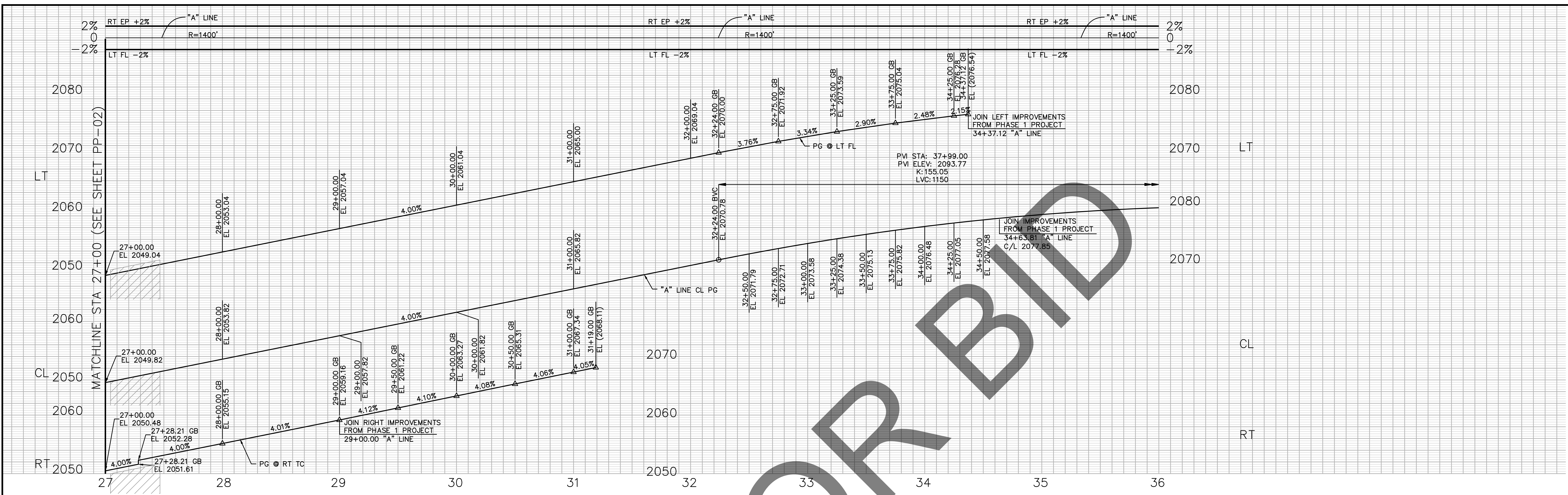
MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES



SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	RECOMMENDED BY:
BL	KW	SA	Chris Nguyen
			8/15/24
APPROVED BY:			DATE
Thomas Bustamonte			8/15/24
SUPERVISING ENGINEER			DEPUTY DIRECTOR

GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH GLEN HELEN PARKWAY PLAN AND PROFILE "A" LINE 19+00 TO "A" LINE 27+00				
J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	PP-02	11	102



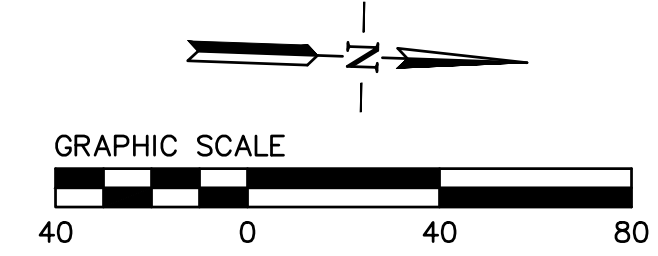
- CONSTRUCTION NOTES:**
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 - CONSTRUCT 4" PCC TYPE C SIDEWALK PER COUNTY STD. NO. 109
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 - CONSTRUCT 8" PCC CURB TYPE A1-8 PER CALTRANS STD. PLAN NO. A87A
 - CONSTRUCT TYPE 742 BARRIER (MOD 3) PER DETAIL 8 AND DETAIL 11, SHEET CD-02
 - CONSTRUCT PICKET RAILING FENCE PER DETAIL 1, SHEET CD-01
 - CONSTRUCT TYPE 26 BARRIER (MOD 1) PER DETAIL 7, SHEET CD-02
 - CONSTRUCT TUBULAR HAND RAILING PER CALTRANS STD. PLAN B11-51
 - CONSTRUCT MIDWEST GUARDRAIL SYSTEM STANDARD RAILING SECTION, PER CALTRANS STD. PLAN A77L1, WITH CALTRANS END ANCHOR SYSTEM (TYPE SFT), USING TYPE 12BB LAYOUT PER CALTRANS STD. PLAN A77Q1.
 - CONSTRUCT MEDIAN HARDSCAPE (STAMPED CONCRETE) PER DETAIL 4, SHEET CD-01
 - INSTALL ADIEM CRASH CUSHION
 - CONSTRUCT TYPE 7 CHAIN LINK RAILING PER CALTRANS STD PLAN NO. B11-52

- LEGEND:**
- CONSTRUCT PAVEMENT
 - CONSTRUCT CONCRETE
 - CONSTRUCT TRAIL
 - ADIEM CRASH CUSHION
 - EXISTING R/W
 - PROPOSED R/W
 - APE LIMIT
 - MIDWEST GUARDRAIL SYSTEM STANDARD RAILING

100% SUBMISSION 7/31/2024

APPR.	DATE
REVISIONS	
MARK	
APPR.	DATE
REVISIONS	
MARK	

FILE NO. 382400 050



PLANS PREPARED BY:
BKF ENGINEERS
 4675 MACARTHUR CT.
 SUITE 400
 NEWPORT BEACH, CA 92660
 (949) 526-8460
 www.bkf.com

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES			

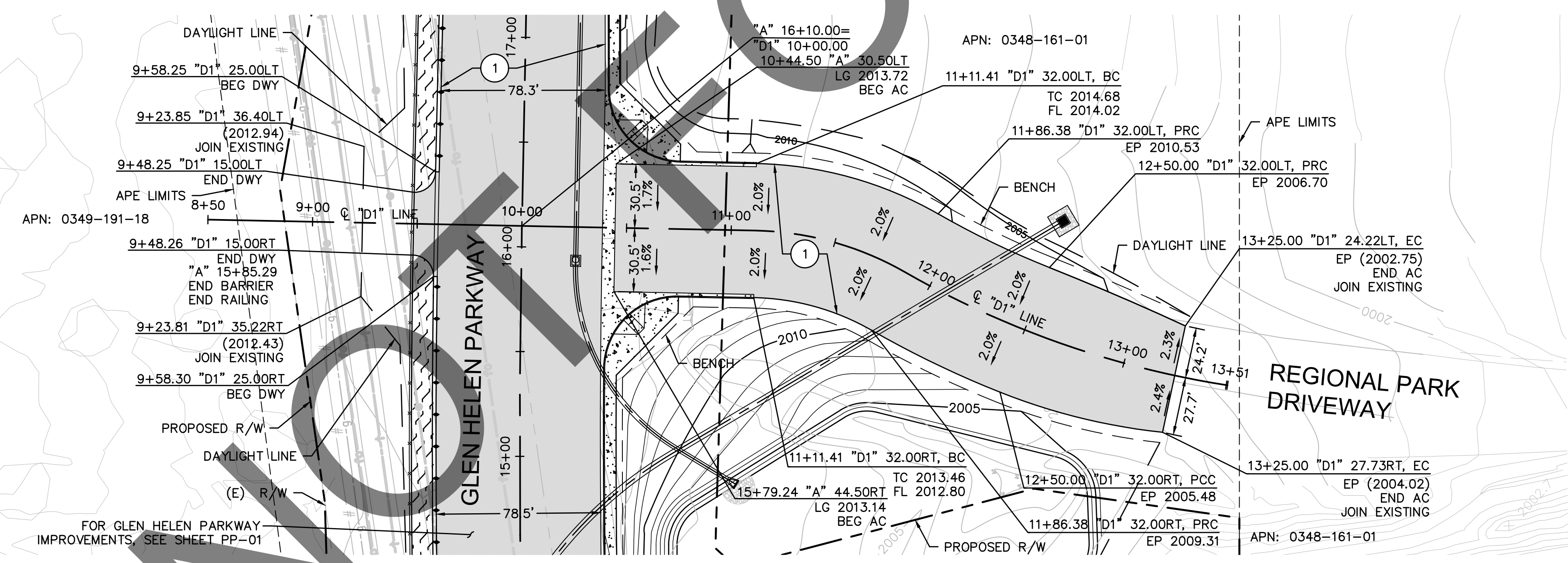
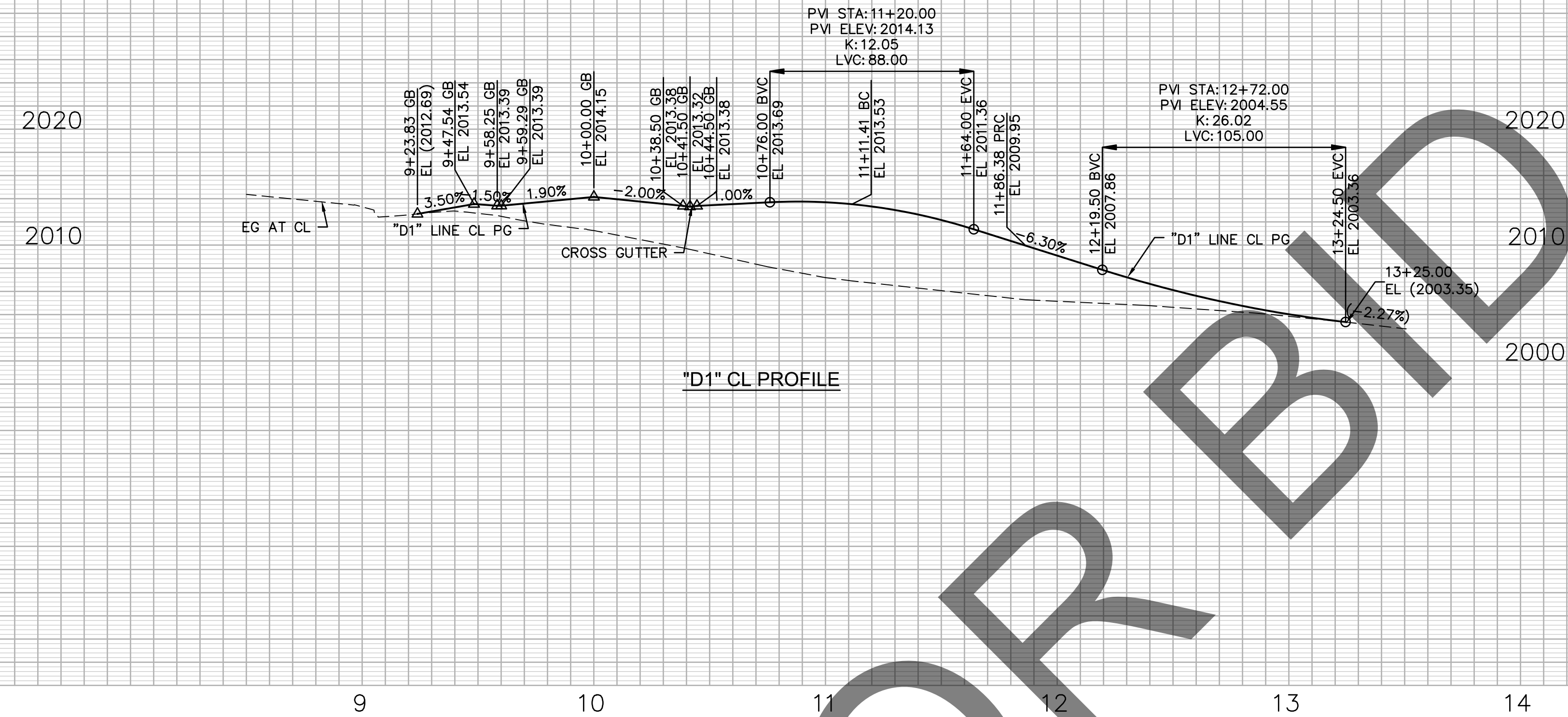
REGISTERED PROFESSIONAL ENGINEER
 SHEILA AMPARO
 78003
 Exp 9-30-25
 CIVIL
 STATE OF CALIFORNIA

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: BL	DRAWN BY: KW	CHECKED BY: SA	RECOMMENDED BY: 8/15/24
			CHRIS NGUYEN, P.E. ENGINEERING MANAGER
APPROVED BY: 8/15/24			
Thomas Bustamonte SUPERVISING ENGINEER			8/15/24 SERVATIL, P.E. DEPUTY DIRECTOR

GLEN HELEN PARKWAY BRIDGE
OVER CAJON WASH
GLEN HELEN PARKWAY
PLAN AND PROFILE
 "A" LINE 27+00 TO "A" LINE 36+00

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	PP-03	12	102



CONSTRUCTION NOTES:

- 1 CONSTRUCT 0.45' HMA-A OVER 0.80' AB (CLASS 2)

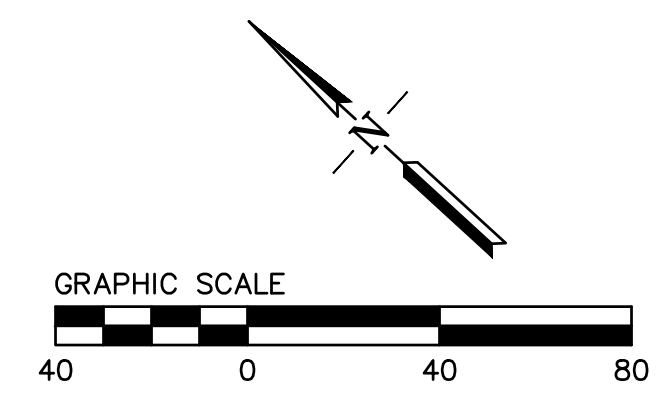
LEGEND:

- CONSTRUCT PAVEMENT
- CONSTRUCT CONCRETE
- CONSTRUCT TRAIL
- ADIEM CRASH CUSHION
- EXISTING R/W
- PROPOSED R/W
- APE LIMIT
- MIDWEST GUARDRAIL RAILING
- BARRIER

MARK	REVISIONS	APPR.	DATE

MARK	REVISIONS	APPR.	DATE

FILE NO. 382400 050



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4675 MACARTHUR CT.
SUITE 400
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MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES

REGISTERED PROFESSIONAL ENGINEER
SHEILA AMPARO
78003
Exp 9-30-25
CIVIL
STATE OF CALIFORNIA

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

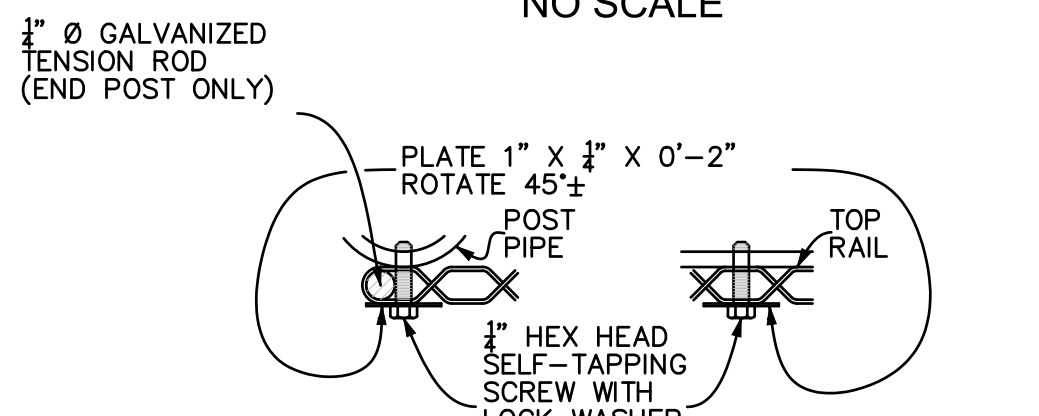
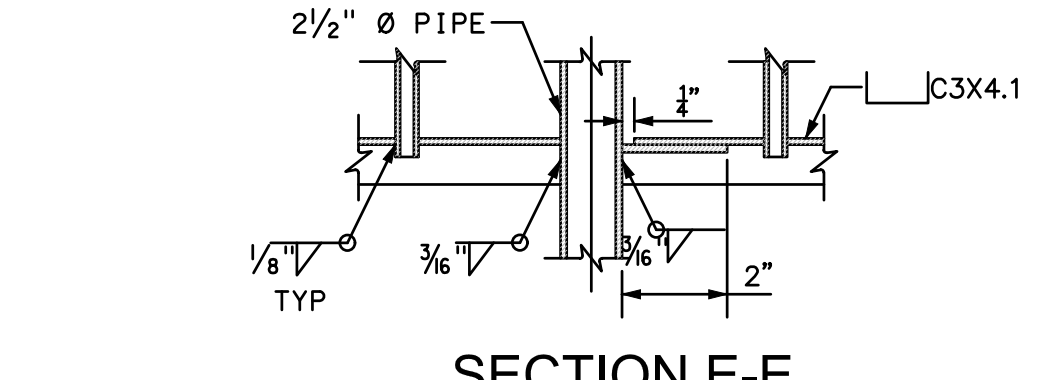
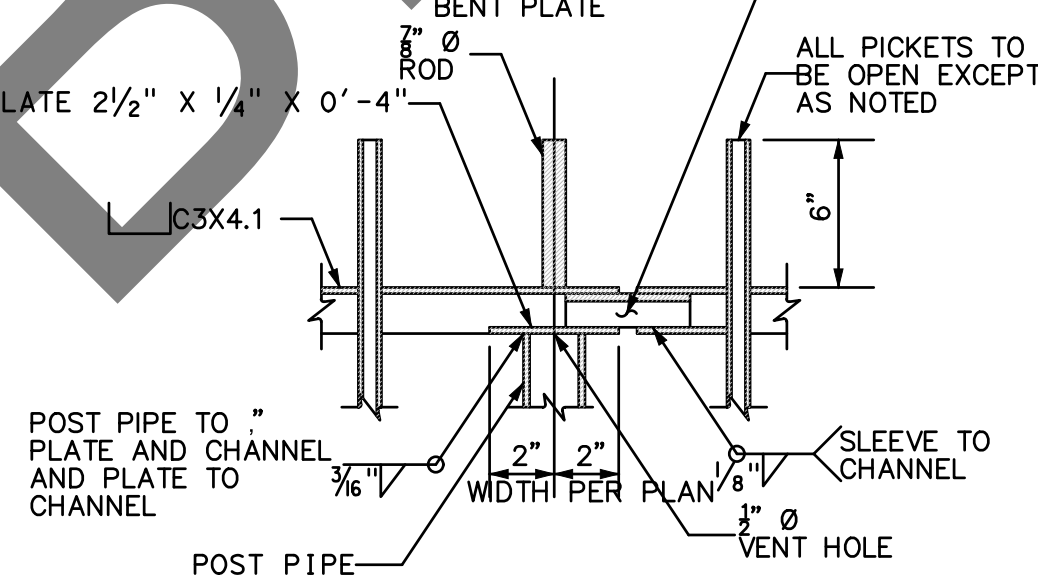
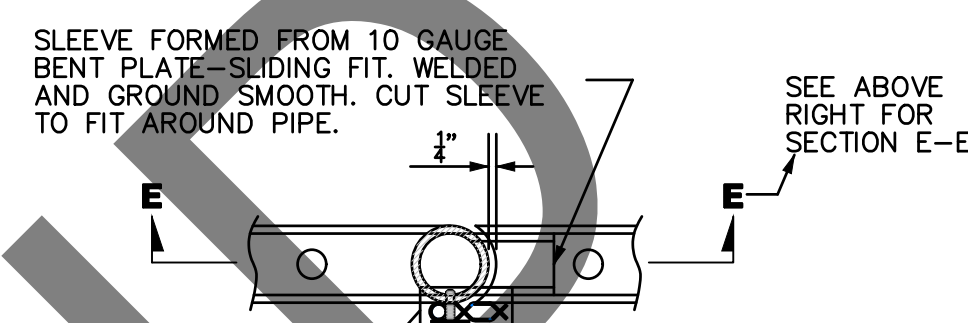
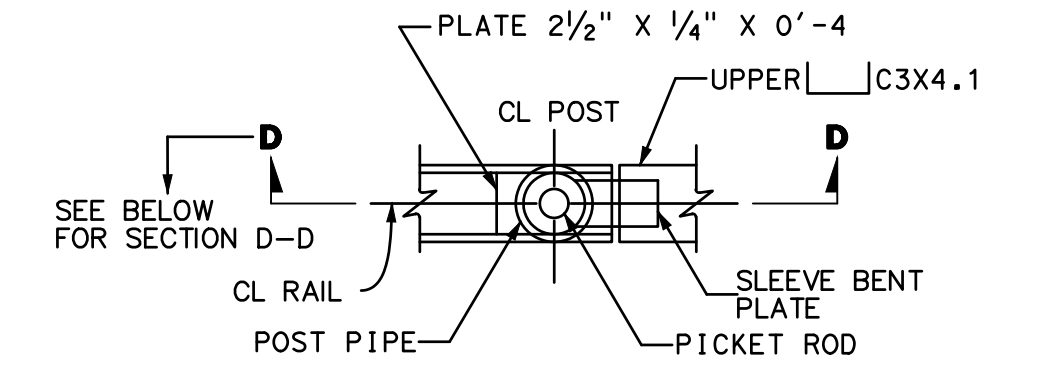
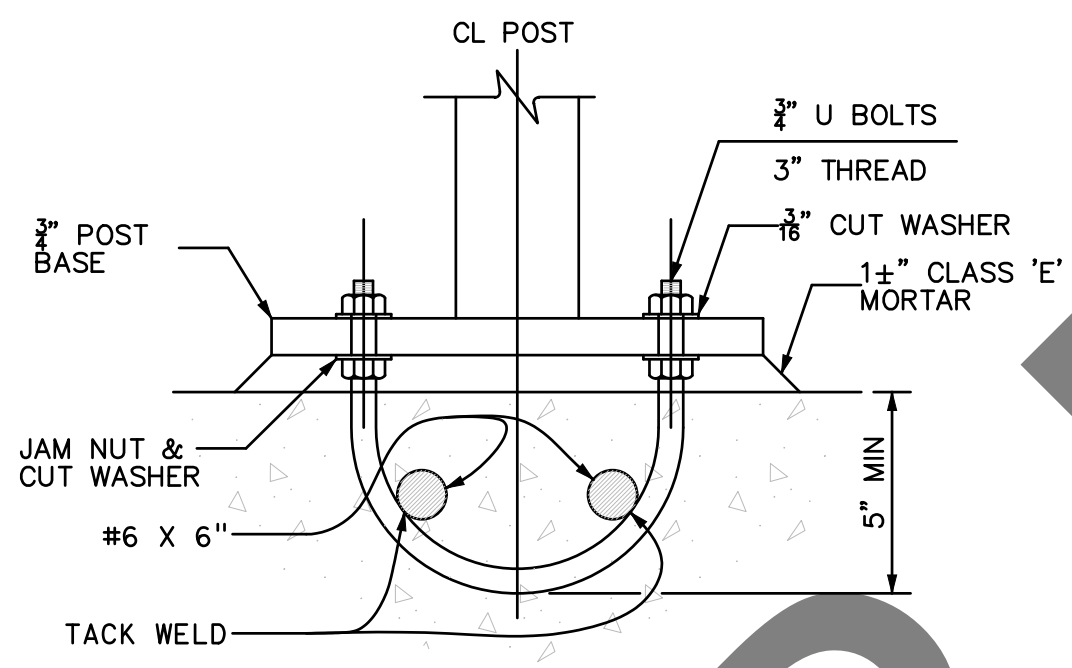
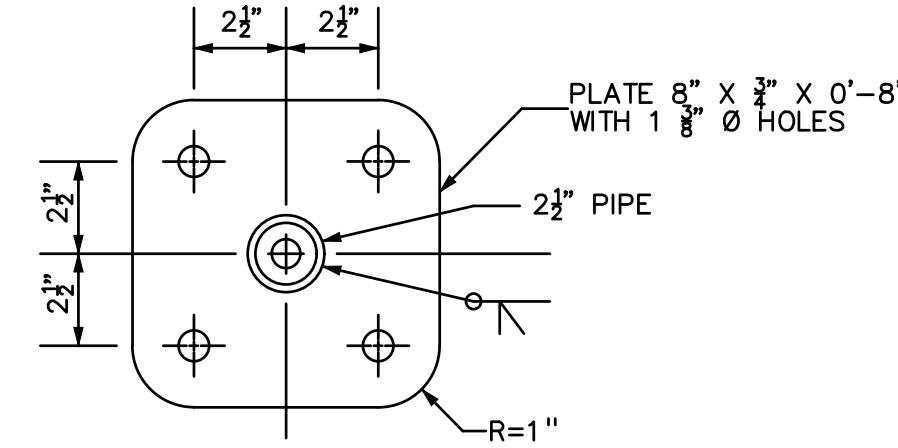
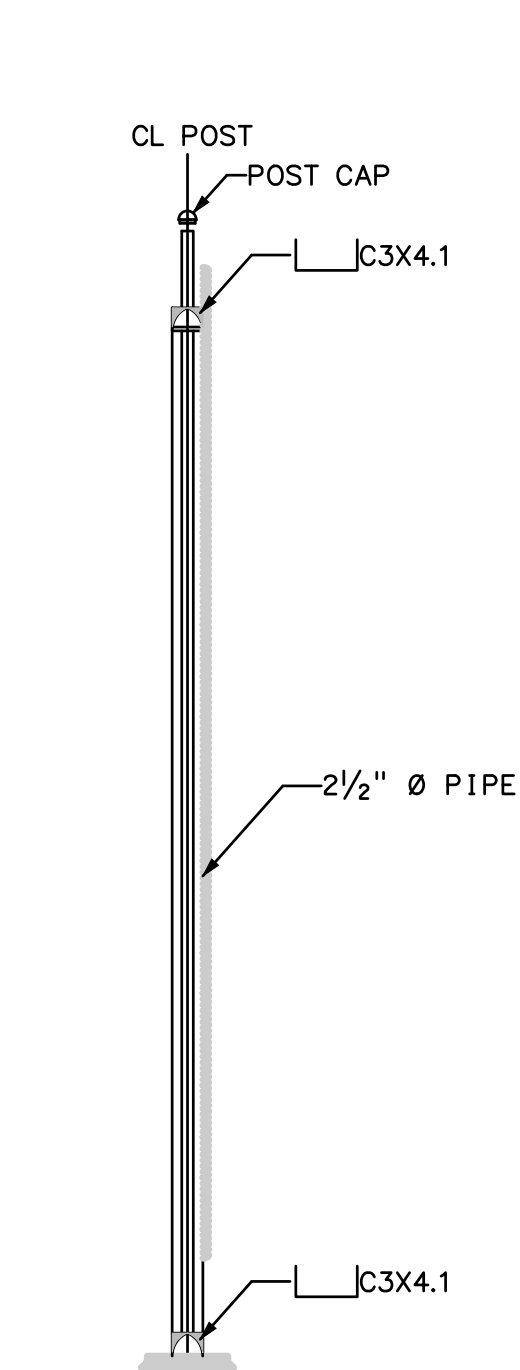
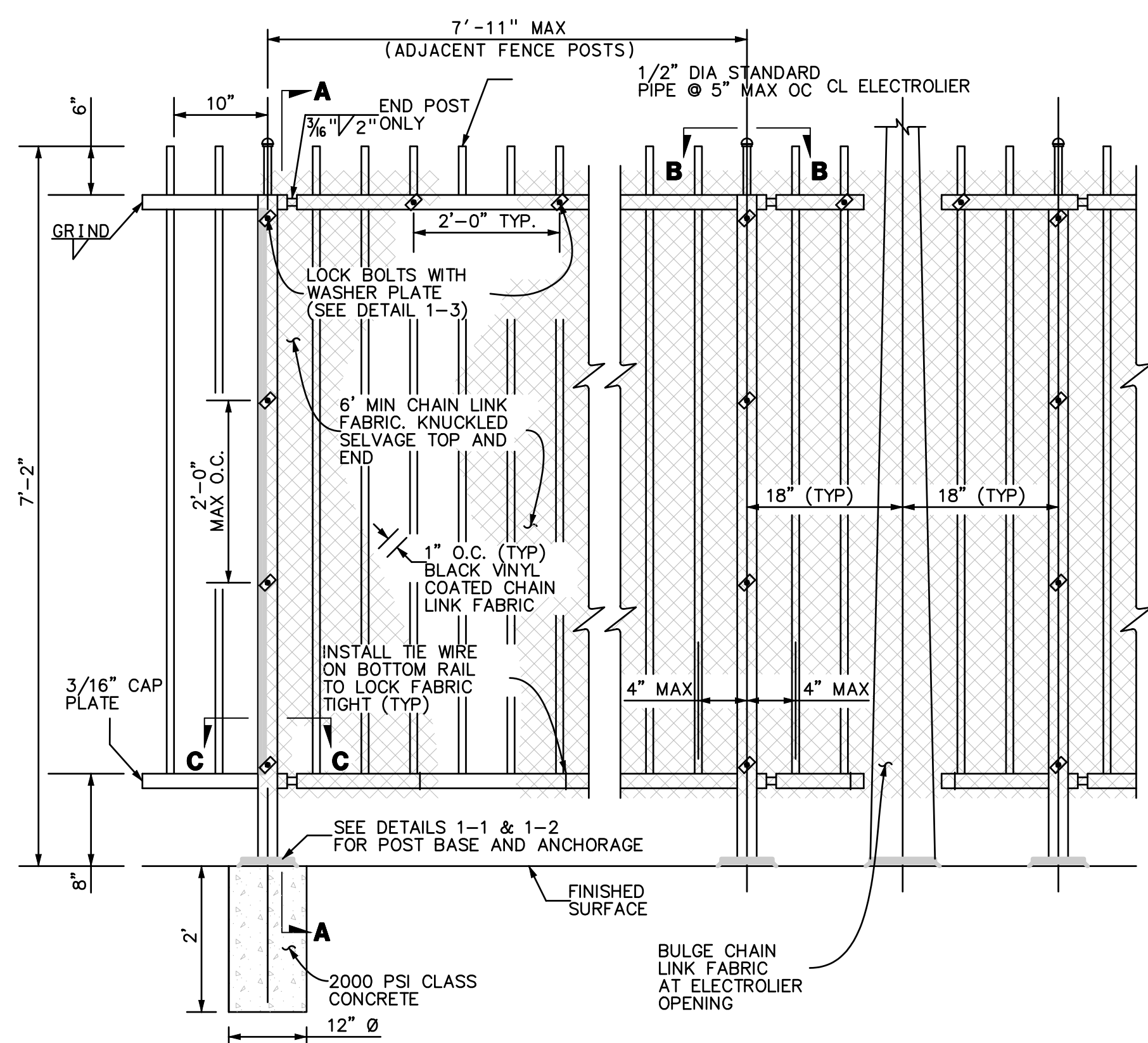
DESIGNED BY: BL	DRAWN BY: KW	CHECKED BY: SA	RECOMMENDED BY: <i>[Signature]</i>	DATE: 8/15/24
APPROVED BY: <i>[Signature]</i>			DATE: 8/15/24	DATE: 8/15/24

Thomas Bustamonte
THOMAS BUSTAMONTE, P.E.
SUPERVISING ENGINEER

GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH
REGIONAL PARK DRIVEWAY
PLAN AND PROFILE
"D1" LINE 10+00 TO "D1" LINE 13+75

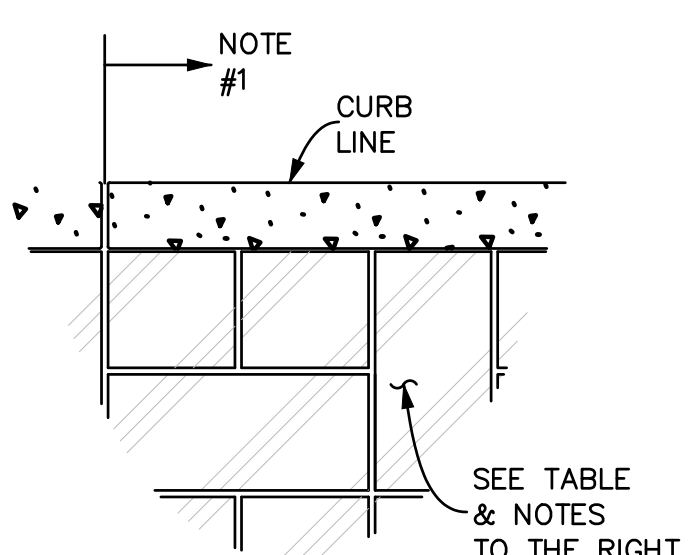
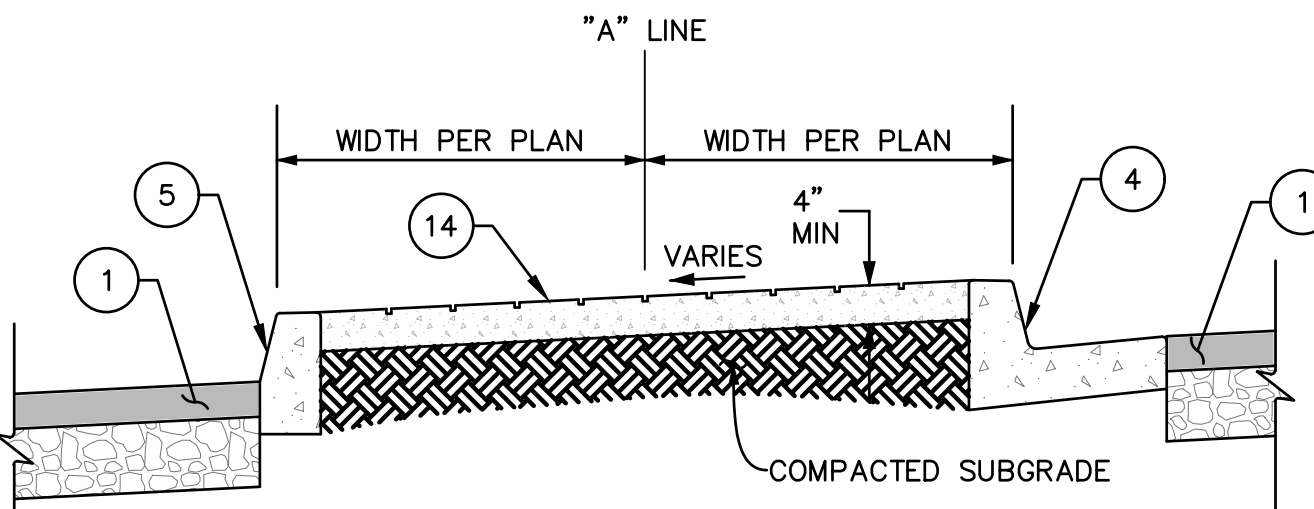
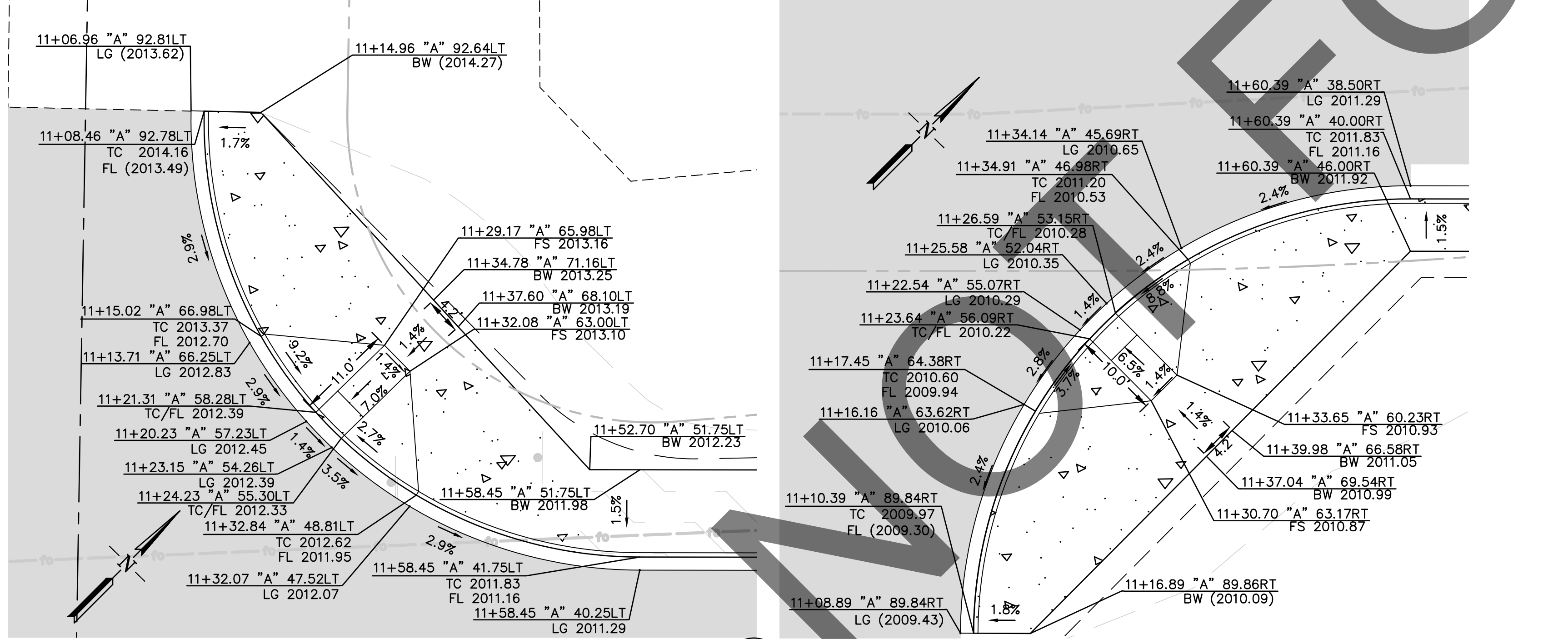
J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHTS.
11334	H14646	PP-04	13	102

100% SUBMISSION 7/31/2024



- NOTES:**
- SPACE POSTS TO CLEAR EXPANSION JOINTS BY 9" MIN TO CL OF POST. AT EXPANSION JOINTS IN DECK, RAIL JOINTS SHALL PROVIDE SAME ALLOWANCE FOR MOVEMENT WITH CORRESPONDING INCREASE IN LENGTH OF SLEEVE.
 - RAILING SHALL CONFORM TO HORIZONTAL AND VERTICAL ALIGNMENTS. POSTS AND BALUSTERS SHALL BE VERTICAL WITH A MAXIMUM DEVIATION NOT TO EXCEED 1/4" IN 10'.
 - RAILING AND ALL PARTS AND FITTINGS SHALL BE GALVANIZED AFTER FABRICATION AND PAINTED WITH BLACK POWDER COATING.

PICKET RAILING FENCE
NO SCALE
(SEE PP-01 TO PP-03)



STAMPED CONCRETE TABLE	
PATTERN	SLATE
COLOR	GRAY

- NOTES:**
- TRANSVERSE WEAKENED PLANE JOINTS SHALL BE AT 10' MAX O.C. TRANSVERSE 1/4" EXPANSION JOINTS SHALL BE AT 60' MAX O.C. ALL JOINTS SHALL BE ALIGNED WITH JOINTS ON ADJACENT CURB.
 - CONCRETE SHALL BE CLASS 520-C-2500 WITH A MINIMUM SLUMP OF 4".
 - CONTACTOR SHALL SUBMIT A 4 SQ FT SAMPLE OF INTEGRAL COLORED STAMPED CONCRETE FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION.

- LEGEND:**
- CONSTRUCT PAVEMENT
 - CONSTRUCT CONCRETE
 - CONSTRUCT COMPACTED SUBGRADE
 - AGGREGATE BASE

- CONSTRUCTION NOTES:**
- CONSTRUCT 0.45' HMA OVER 0.80' AB (CLASS 2)
 - CONSTRUCT 8" PCC CURB AND GUTTER PER COUNTY STD. NO. 115
 - CONSTRUCT 8" PCC CURB ONLY TYPE A1 PER CALTRANS STD. PLAN NO. A87A
 - CONSTRUCT MEDIAN HARDSCAPE (STAMPED CONCRETE) PER DETAIL HEREON

MEDIAN HARDSCAPE
NOT TO SCALE
(SEE PP-02 & PP-03)

PLANS PREPARED BY:
BKF ENGINEERS
4675 MACARTHUR CT.
SUITE 400
NEWPORT BEACH, CA 92660
(949) 526-8460
www.bkf.com

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		



SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: BL
DRAWN BY: KW
CHECKED BY: SA
RECOMMENDED BY: Chris Nguyen, P.E. ENGINEERING MANAGER
APPROVED BY: Thomas Bustamante, P.E. SUPERVISING ENGINEER

8/15/24
8/15/24

GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH
GLEN HELEN PARKWAY
MISCELLANEOUS DETAILS

J.L. REF. 11334
W.O. NO. H14646
DRAWING NO. CD-01
SHT. NO. 14
TOT. SHTS. 102

FIELD CHANGES

REGISTERED 7/31/24

8/15/24
8/15/24

11334 H14646 CD-01 14 102