

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



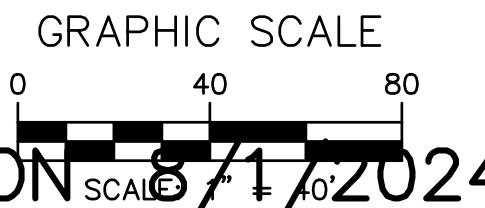
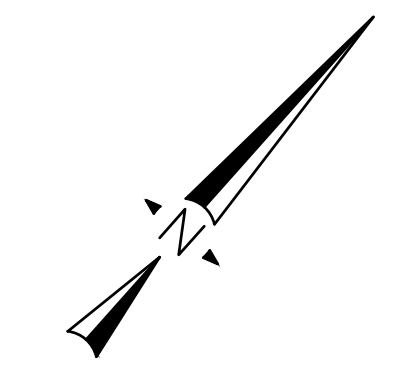
**C.L. CURVE DATA:**

BEARING/DELTA	R	L	T
L10 N11°41'19"W	---	33.43'	---
L11 N48°18'41"E	---	184.58'	---
L18 N48°18'41"E	---	188.58'	---
C9 60°00'00"	100.00'	104.72'	57.74'

- CONSTRUCTION NOTES:**
- (83) CONSTRUCT 2" THICK BACKING NO.1 RSP PER PLAN AND CALTRANS METHOD B PLACEMENT
  - (89) CONSTRUCT 24" RCP PER PLAN AND PROFILE AS SHOWN
  - (93) CONSTRUCT JUNCTION STRUCTURE PER SPPWC STD PLAN NO. 321-2
  - (102) CONSTRUCT 24" CONCRETE FES PER CALTRANS STD PLAN NO. D948

**DESIGN ELEVATION LEGEND**

- 100.00 ENGINEERED DESIGN ELEVATION
- (100.00) POTHOLED ELEVATION
- [100.00] ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR HAS TO POTHOLE EXISTING STORM DRAIN TO VERIFY ALL ELEVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCY PRIOR TO COMMENCEMENT OF WORK.



100% SUBMISSION 8/17/2024

MARK	REVISIONS	APPR.	DATE

FILE NO. 382400 050

PLANS PREPARED BY: <b>BKF ENGINEERS</b> 4675 MACARTHUR CT. SUITE 400 NEWPORT BEACH, CA 92660 (949) 526-8460 www.bkf.com	REGISTERED PROFESSIONAL ENGINEER ROGER T. CHUNG No. C65388 CIVIL STATE OF CALIFORNIA	<b>SAN BERNARDINO COUNTY</b> <b>DEPARTMENT OF PUBLIC WORKS</b>		<b>GLEN HELEN PARKWAY BRIDGE</b> <b>OVER CAJON WASH</b> <b>DRAINAGE IMPROVEMENT PLAN</b> <b>PLAN AND PROFILE</b> LINE D	
		DESIGNED BY: BL DRAWN BY: KW CHECKED BY: SA	RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER 8/15/24	APPROVED BY: THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER 8/15/24	APPROVED BY: MERVAT M. WAKHAIL, P.E. DEPUTY DIRECTOR 8/15/24

MARK	CHANGES	RESIDENT ENGINEER	DATE

**FIELD CHANGES**



**TRAFFIC CONTROL - GENERAL NOTES**

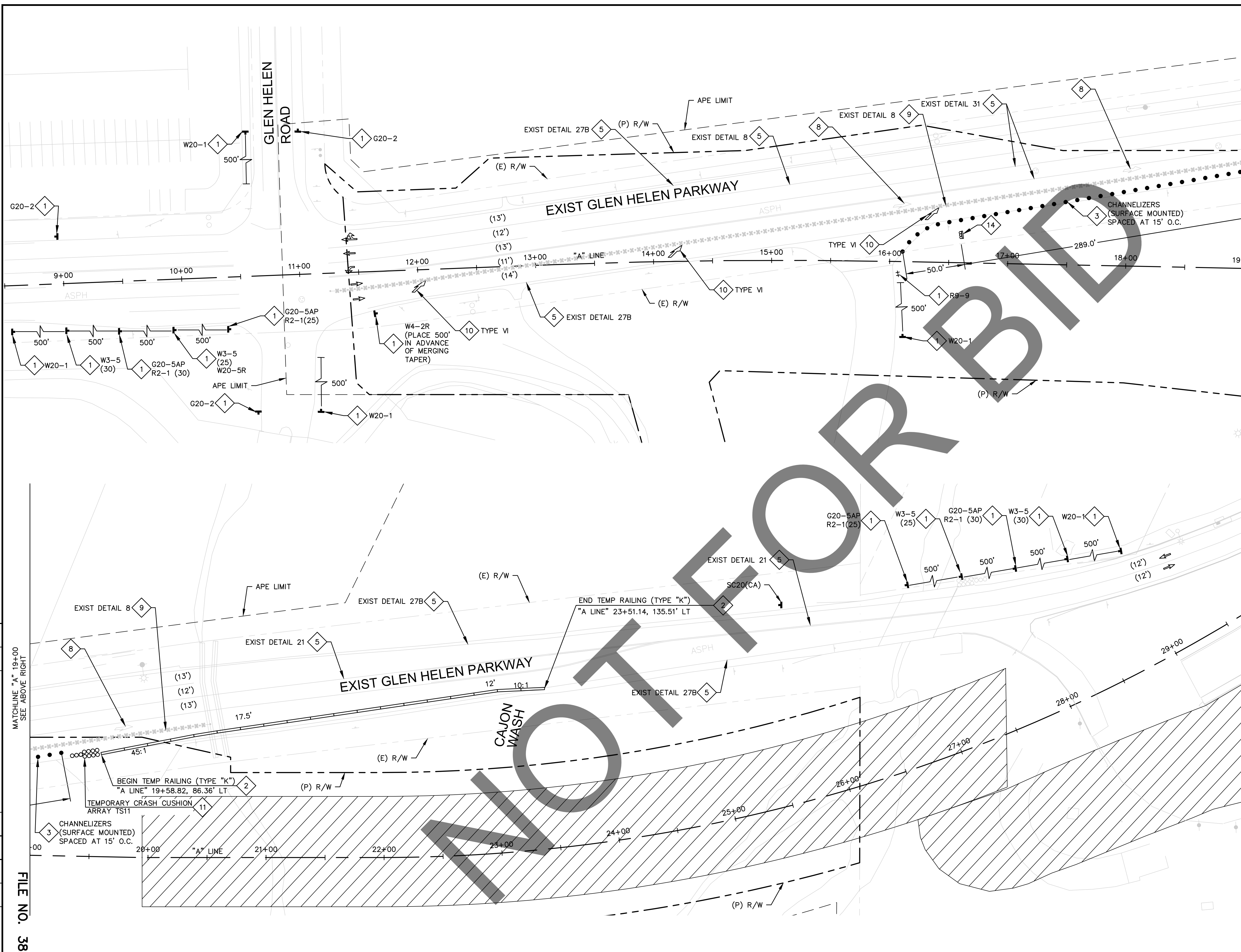
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- NOTE 4: ALL SIGNS SHALL BE OF HIGH INTENSITY (FHWA TYPE III/IV) RETROREFLECTIVE SHEETING EXCEPT:
  - A. STOP SIGNS SHALL BE DIAMOND GRADE (FHWA TYPE VII IN RURAL SETTINGS AND TYPE IX IN URBAN SETTINGS) RETROREFLECTIVE SHEETING.
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**TRAFFIC HANDLING CONSTRUCTION NOTES:**

- 1 INSTALL NEW SIGN(S) AS SHOWN ON PLAN
- 2 INSTALL TEMP RAILING (TYPE K) PER CALTRANS STD PLAN T3A
- 3 INSTALL CHANNELIZERS (SURFACE MOUNTED) PER CAMUTCD CODE
- 5 PROTECT EXISTING STRIPING AS SHOWN ON PLAN
- 8 REMOVE EXISTING PAVEMENT MARKING AS SHOWN ON PLAN
- 9 REMOVE EXISTING STRIPING AS SHOWN ON PLAN
- 10 INSTALL PAVEMENT MARKING AS SHOWN ON PLAN
- 11 INSTALL TEMP CRASH CUSHION (ARRAY TS11) PER CALTRANS STD PLAN T2
- 14 INSTALL ARROW BOARD AS SHOWN ON PLAN

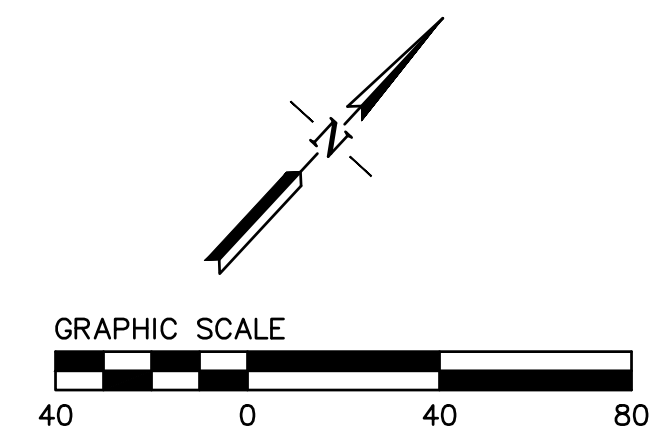
**LEGEND**

- CHANNELIZERS (SURFACE MOUNTED)
- TEMPORARY RAILING (TYPE K)
- TEMPORARY CRASH CUSHION (ARRAY TYPE TS11)
- ← TRAFFIC DIRECTION
- ⊠ CONSTRUCTION AREA SIGN
- ⇄ ARROW BOARD
- ++ TYPE I BARRICADE
- ▨ CONSTRUCTION AREA
- (E) R/W
- - - (P) R/W
- - - APE LIMIT
- \* - \* - \* - STRIPING REMOVAL



REVISIONS	DATE	APPR.

FILE NO. 382400 050



PLANS PREPARED BY:

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

MARK	CHANGES	RESIDENT ENGINEER	DATE

**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> 8/15/24 CHRIS NGUYEN, P.E. ENGINEERING MANAGER
APPROVED BY: <i>[Signature]</i> 8/15/24 THOMAS BUSTAMANTE, P.E. SUPERVISING ENGINEER			DATE: 8/15/24 DEPUTY DIRECTOR

**GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH**  
**GLEN HELEN PARKWAY TRAFFIC HANDLING - STAGE 1A**

J.L. REF. 11334	W.O. NO. H14646	DRAWING NO. TH-01	SHT. NO. 28	TOT. SHT'S. 102
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100% SUBMISSION 7/31/2024



**TRAFFIC CONTROL - GENERAL NOTES:**

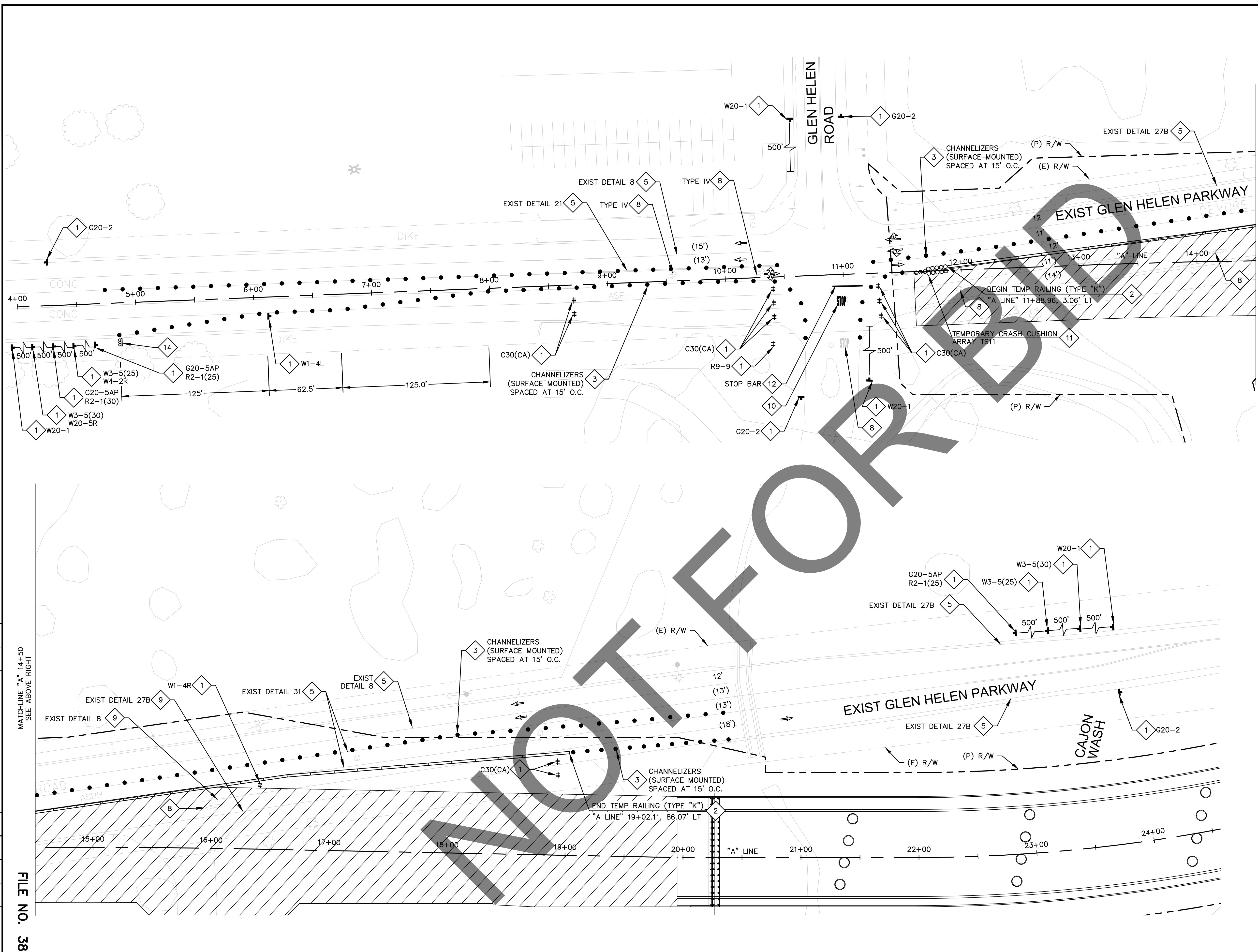
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**TRAFFIC HANDLING CONSTRUCTION NOTES:**

- 1 INSTALL NEW SIGN(S) AS SHOWN ON PLAN
- 2 INSTALL TEMP RAILING (TYPE K) PER CALTRANS STD PLAN TB3
- 3 INSTALL CHANNELIZERS (SURFACE MOUNTED) PER CAMUTCD CODE
- 5 PROTECT EXISTING STRIPING AS SHOWN ON PLAN
- 8 REMOVE EXISTING PAVEMENT MARKING AS SHOWN ON PLAN
- 9 REMOVE EXISTING STRIPING AS SHOWN ON PLAN
- 10 INSTALL PAVEMENT MARKING AS SHOWN ON PLAN
- 11 INSTALL TEMP CRASH CUSHION (ARRAY TS11) PER CALTRANS STD PLAN T2
- 12 INSTALL TEMPORARY STRIPING AS SHOWN ON PLAN
- 14 INSTALL ARROW BOARD AS SHOWN ON PLAN

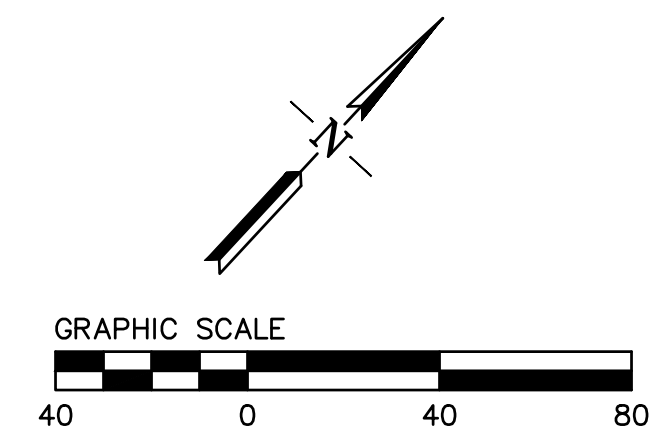
**LEGEND**

- CHANNELIZERS (SURFACE MOUNTED)
- TEMPORARY RAILING (TYPE K)
- ⊗⊗⊗⊗ TEMPORARY CRASH CUSHION (ARRAY TYPE TS11)
- ← TRAFFIC DIRECTION
- ▬ CONSTRUCTION AREA SIGN
- ▬ ARROW BOARD
- ++ TYPE I BARRICADE
- ## TYPE III BARRICADE
- ▨ CONSTRUCTION AREA
- (E) R/W
- (P) R/W
- - - APE LIMIT
- STRIPING REMOVAL



MARK	REVISIONS	APPR.	DATE

FILE NO. 382400 050



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MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO 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>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 TRAFFIC HANDLING - STAGE 1B**

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	TH-02	29	102

100% SUBMISSION 7/31/2024



TRAFFIC CONTROL - GENERAL NOTES

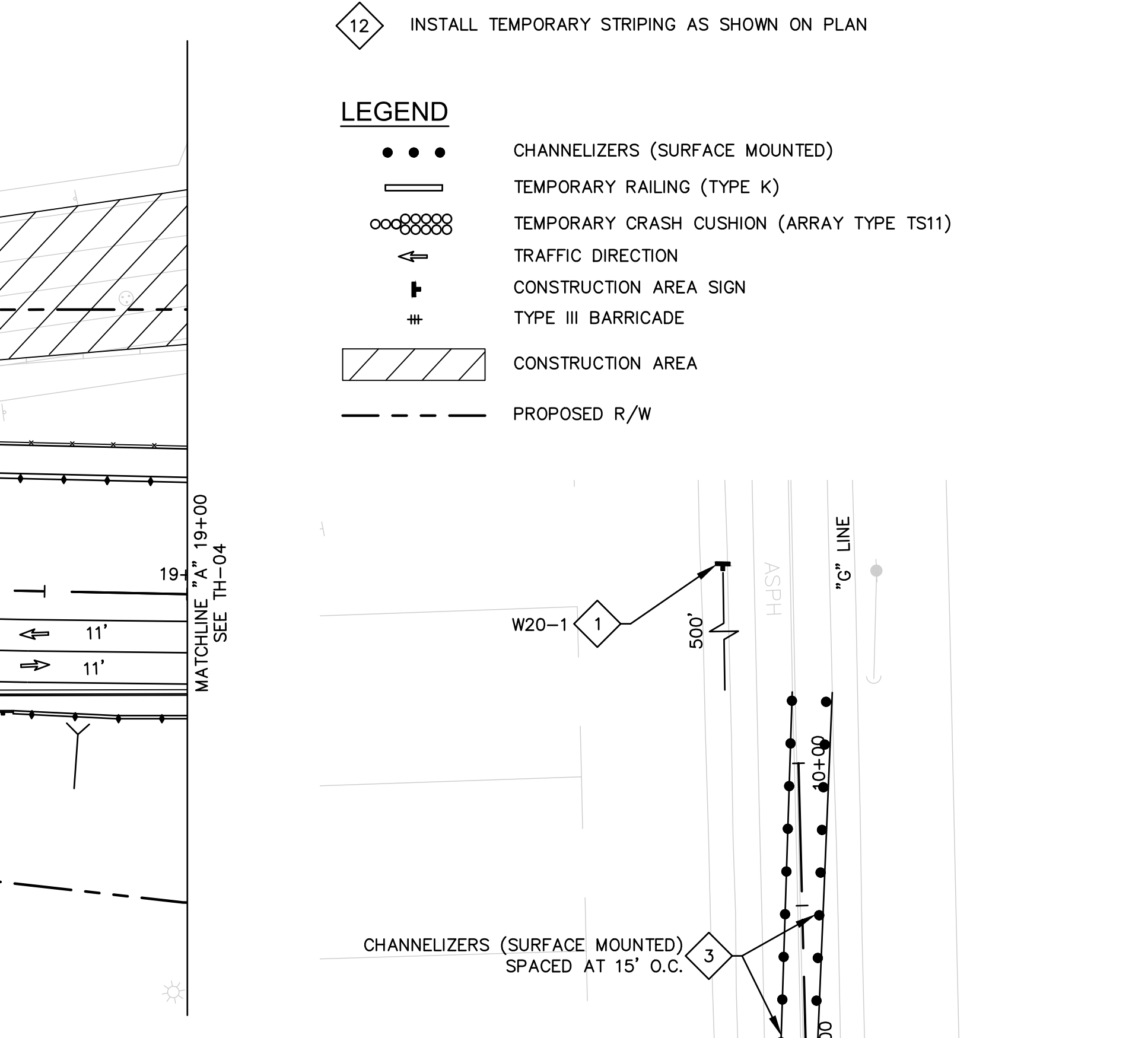
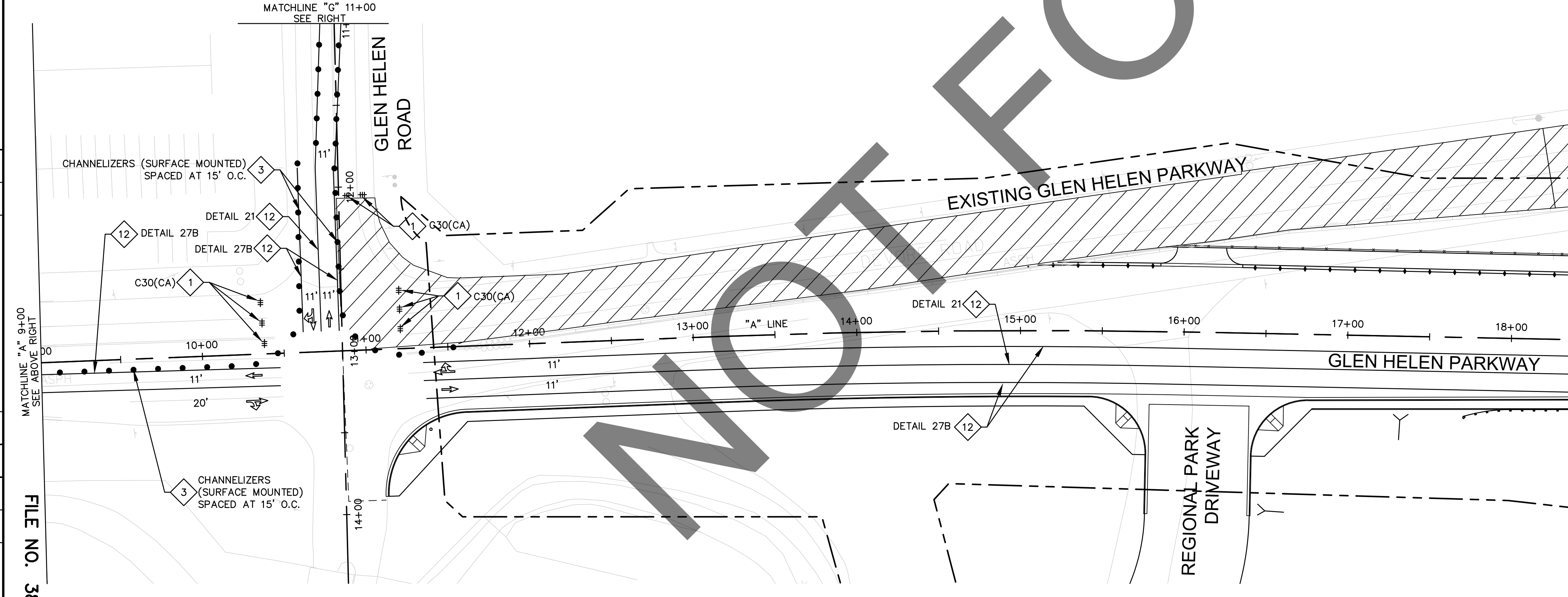
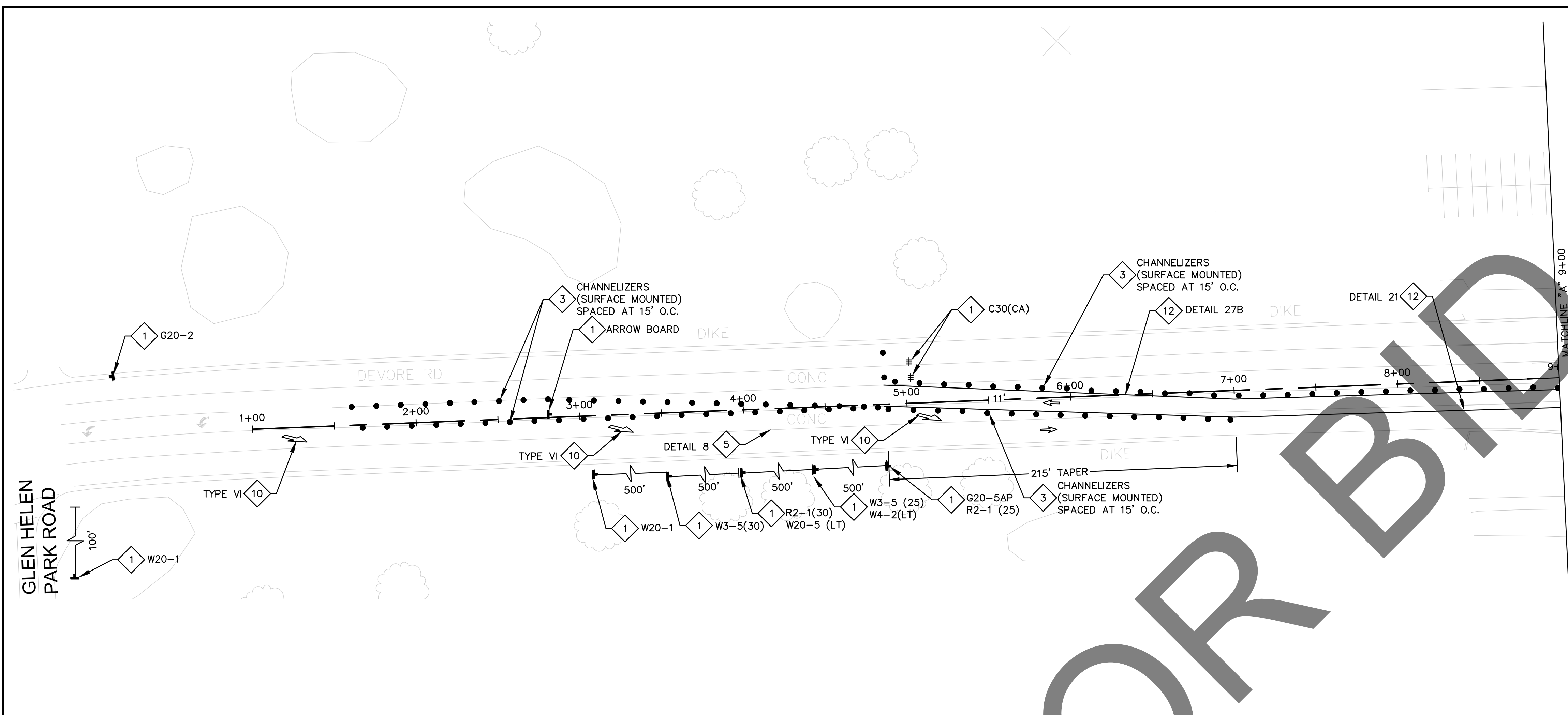
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LEGEND

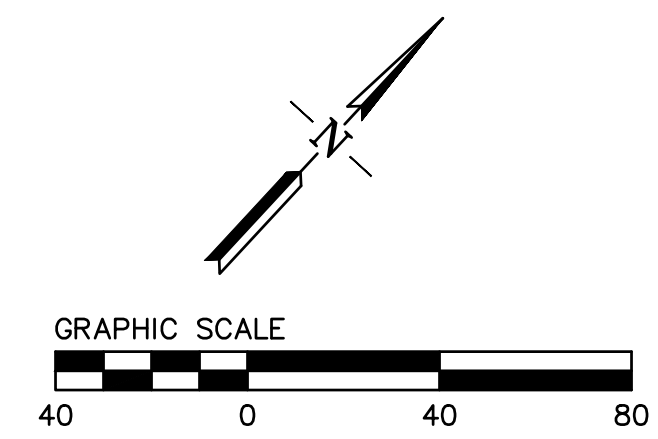
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- ⊥ CONSTRUCTION AREA SIGN
- # TYPE III BARRICADE
- ▨ CONSTRUCTION AREA
- - - - - PROPOSED R/W



MARK	REVISIONS	APPR.	DATE

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 Exp 9-30-25  
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 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  
 THOMAS BUSTAMANTE, P.E.    8/15/24    DEPUTY DIRECTOR

**GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH**  
**GLEN HELEN PARKWAY TRAFFIC HANDLING - STAGE 2A**  
 J.L. REF. 11334    W.O. NO. H14646    DRAWING NO. TH-03    SHT. NO. 30    TOT. SHT'S. 102

100% SUBMISSION 7/31/2024



**TRAFFIC CONTROL - GENERAL NOTES:**

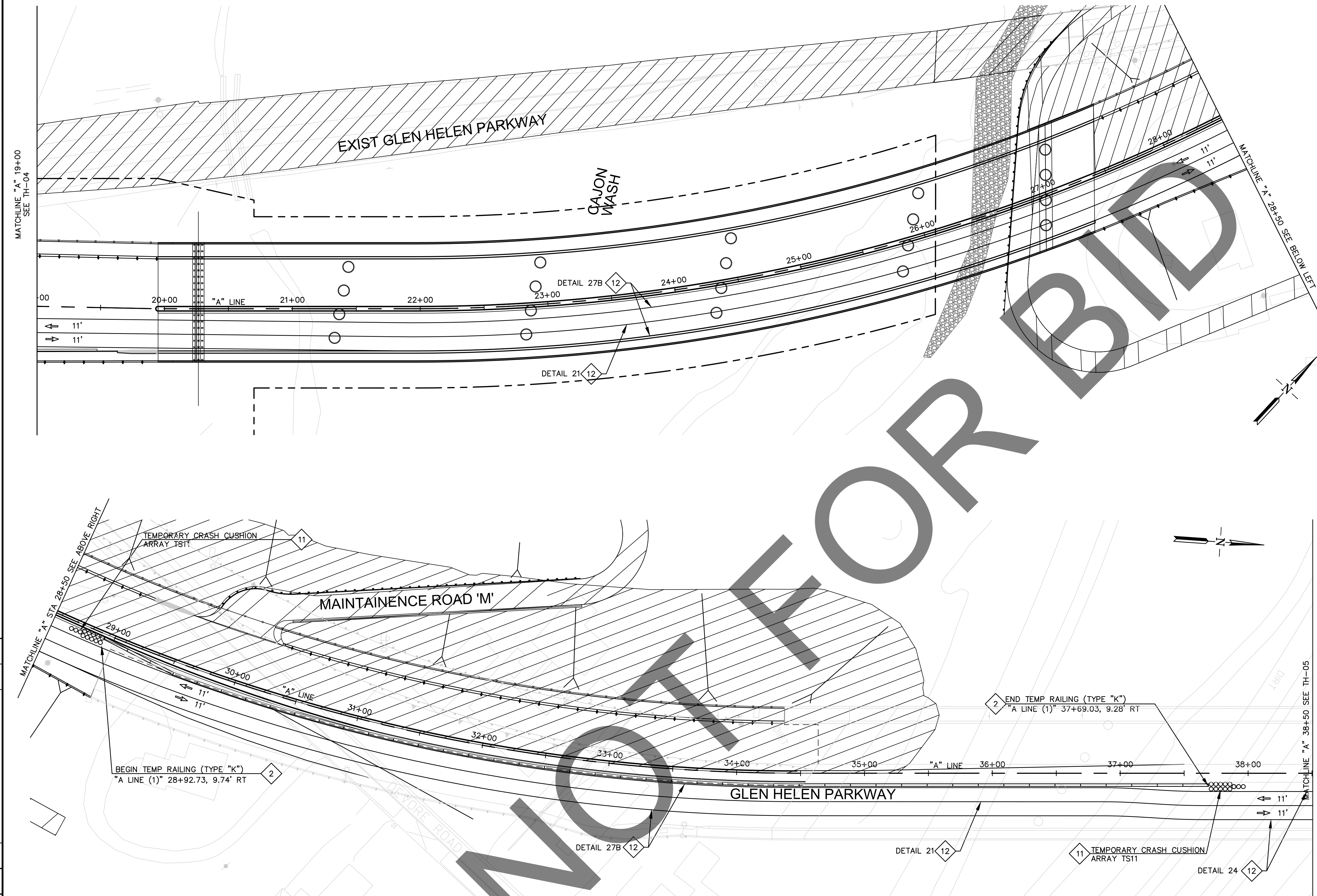
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**TRAFFIC HANDLING CONSTRUCTION NOTES:**

- 2 INSTALL TEMP RAILING (TYPE K) OVER CALTRANS STD PLAN T3B
- 11 INSTALL TEMP CRASH CUSHION (ARRAY TS11) PER CALTRANS STD PLAN T2
- 12 INSTALL TEMPORARY STRIPING AS SHOWN ON PLAN

**LEGEND**

- ● ● CHANNELIZERS (SURFACE MOUNTED)
- TEMPORARY RAILING (TYPE K)
- ○ ○ ○ ○ TEMPORARY CRASH CUSHION (ARRAY TYPE TS11)
- ← TRAFFIC DIRECTION
- CONSTRUCTION AREA SIGN
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- ▨ CONSTRUCTION AREA
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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    DEPUTY DIRECTOR

**GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH**  
**GLEN HELEN PARKWAY TRAFFIC HANDLING- STAGE 2B**

J.L. REF. 11334    W.O. NO. H14646    DRAWING NO. TH-04    SHT. NO. 31    TOT. SHT'S. 102

100% SUBMISSION 7/31/2024



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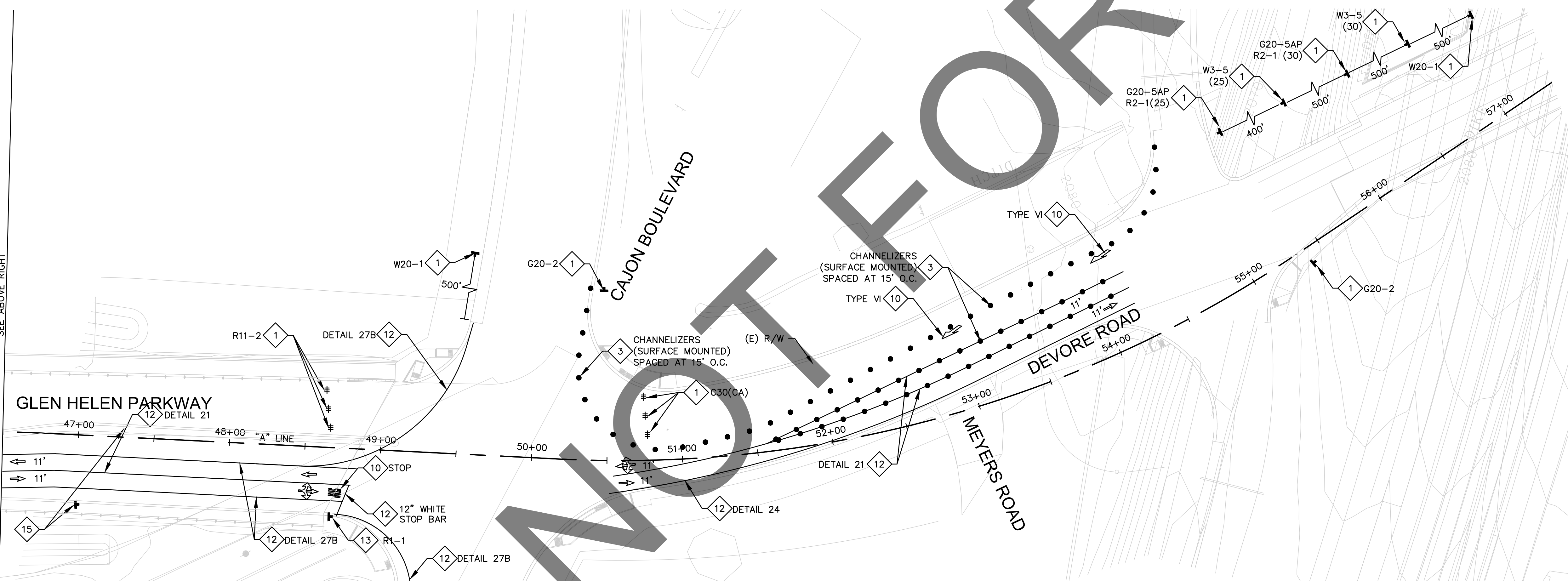
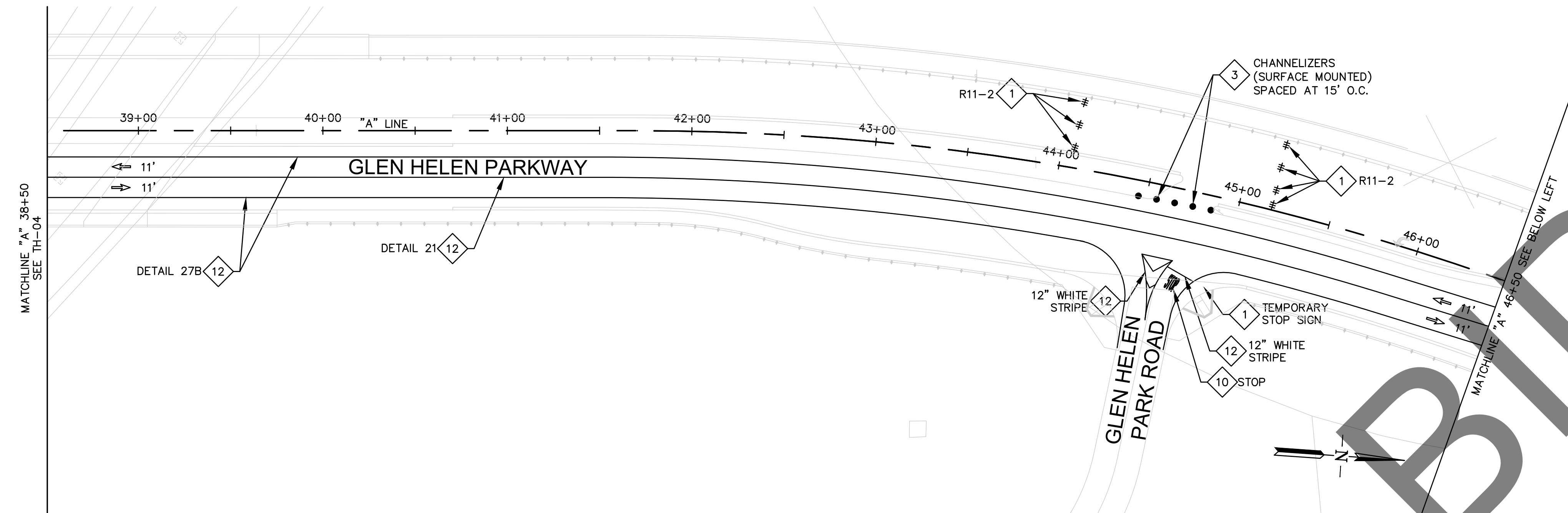
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- NOTE 2: ALL STRIPING AND PAVEMENT MARKINGS SHALL BE PAINTED IN CONFORMANCE WITH THE 2015 CALTRANS STANDARD PLANS DATED OCTOBER 30, 2015.
- NOTE 3: ALL STRIPING (LONG LINE) AND PAVEMENT MARKINGS SHALL BE RETROREFLECTIVE PAINT.
- NOTE 4: ALL SIGNS SHALL BE OF HIGH INTENSITY (FHWA TYPE III/IV) RETROREFLECTIVE SHEETING EXCEPT:
  - A. STOP SIGNS SHALL BE DIAMOND GRADE (FHWA TYPE VII IN RURAL SETTINGS AND TYPE IX IN URBAN SETTINGS) RETROREFLECTIVE SHEETING.
  - B. NO PARKING SIGNS SHALL BE OF SUPER ENGINEERING GRADE (FHWA TYPE II) RETROREFLECTIVE SHEETING.
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  - E. CONSTRUCTION SIGNS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) FLUORESCENT ORANGE RETROREFLECTIVE SHEETING.
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- NOTE 10: ALL EXISTING SIGNING, STRIPING AND PAVEMENT MARKINGS (I.E. CROSS STREET STOP, STOP LIMIT LINE, AND CROSSWALK PAVEMENT MARKINGS) NOT SHOWN ON PLANS, IF REMOVED/OBLITERATED, SHALL BE REPLACED/RESTORED OF SAME KIND, AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- NOTE 11: THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.

**TRAFFIC HANDLING CONSTRUCTION NOTES:**

- 1 INSTALL NEW SIGN(S) AS SHOWN ON PLANS
- 3 INSTALL CHANNELIZERS (SURFACE MOUNTED) PER CAMUTCD CODE
- 10 INSTALL PAVEMENT MARKING AS SHOWN ON PLAN
- 12 INSTALL TEMPORARY STRIPING AS SHOWN ON PLAN
- 13 PROTECT IN PLACE EXISTING SIGN
- 15 RELOCATE EXISTING SIGN

**LEGEND**

- CHANNELIZERS (SURFACE MOUNTED)
- ← TRAFFIC DIRECTION
- ▬ CONSTRUCTION AREA SIGN
- # TYPE III BARRICADE
- - - - PROPOSED R/W



MARK	REVISIONS	APPR.	DATE

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

**FIELD CHANGES**

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

REGISTERED PROFESSIONAL ENGINEER  
 THOMAS BUSTAMONTE  
 7/31/24  
 DATE

**SAN BERNARDINO COUNTY**  
**DEPARTMENT OF PUBLIC WORKS**

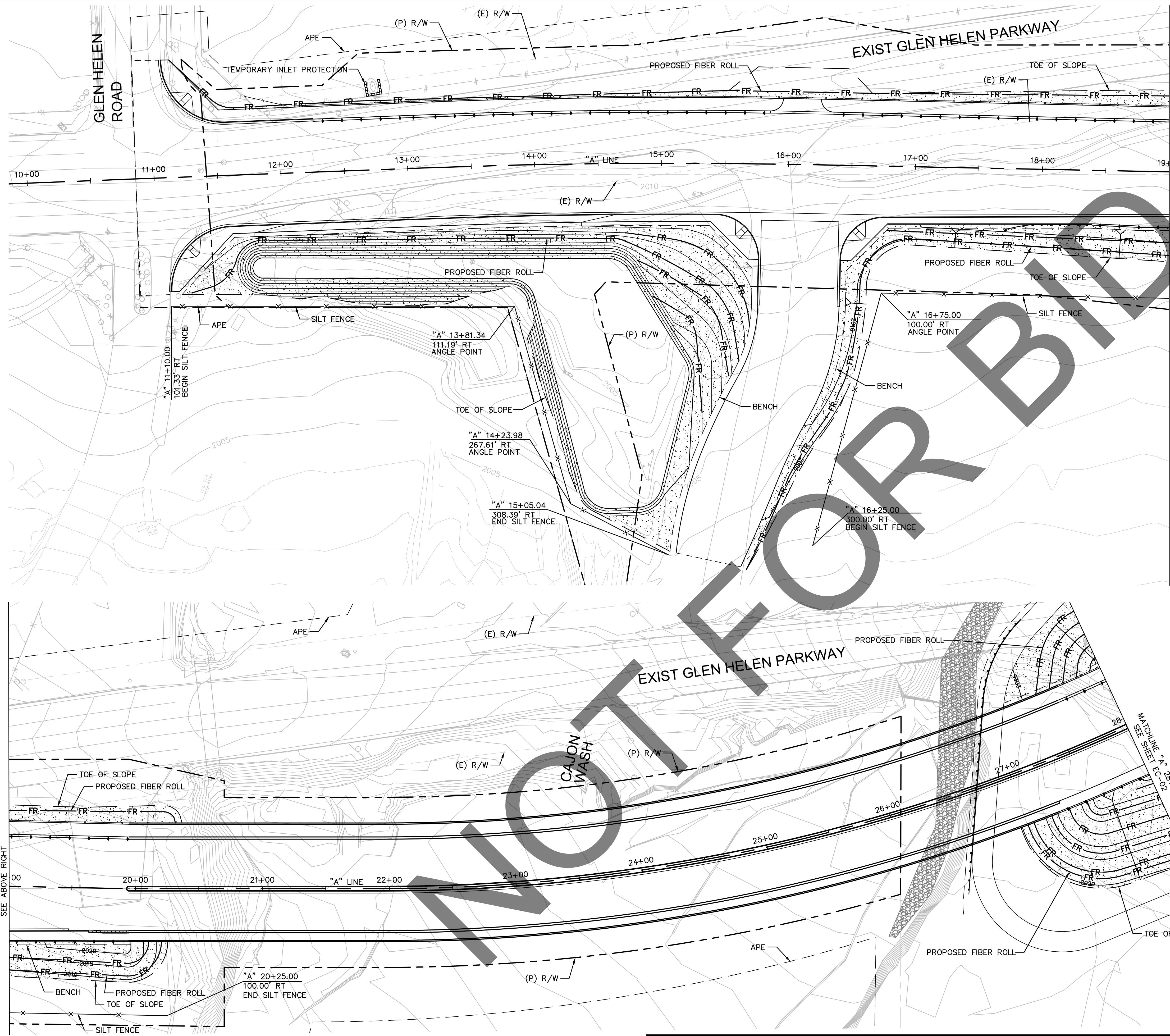
DESIGNED BY: BL	DRAWN BY: KW	CHECKED BY: SA	RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER 8/15/24 DATE
APPROVED BY: Thomas Bustamonte THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER 8/15/24 DATE			APPROVED BY: Mervat M. Khalil, P.E. DEPUTY DIRECTOR 8/15/24 DATE

<b>100% SUBMISSION 7/31/2024</b>				
<b>GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH</b>				
<b>GLEN HELEN PARKWAY TRAFFIC HANDLING STAGE 2B (CONT.)</b>				
J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	TH-05	32	102



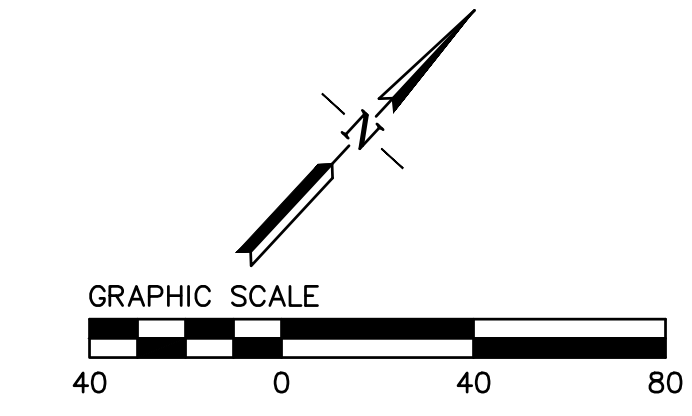
- NOTES:**
1. FOR INSTALLATION OF FIBER ROLL, SEE CALTRANS STANDARD PLAN T56 (TYPE 1)
  2. FOR TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY SILT FENCE), SEE CALTRANS STANDARD PLAN T51.
  3. FOR TEMPORARY DRAINAGE INLET PROTECTION, SEE CALTRANS STANDARD PLAN T62.
  4. THIS PLAN IS ACCURATE FOR EROSION CONTROL WORK ONLY.
  5. ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF FROM ENTERING ANY STORM DRAINAGE SYSTEM.
  6. CONTRACTOR SHALL REVISE EROSION CONTROL PLAN TO ACCOMMODATE CONSTRUCTION SCHEDULE AND PHASING.

- LEGEND:**
- (E) R/W
  - (P) R/W
  - EROSION CONTROL (HYDROSEED)
  - FR FIBER ROLL
  - SILT FENCE
  - TEMPORARY INLET PROTECTION (SANDBAGS)
  - DAYLIGHT LINE



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

**FIELD 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 8/15/24
APPROVED BY: Thomas Bustamante SUPERVISING ENGINEER 8/15/24			DATE: 8/15/24

**GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH**  
**GLEN HELEN PARKWAY**  
**EROSION CONTROL PLAN NO.1**  
**"A" LINE 10+00 TO "A" LINE 28+00**

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	EC-01	33	102

100% SUBMISSION 7/31/2024

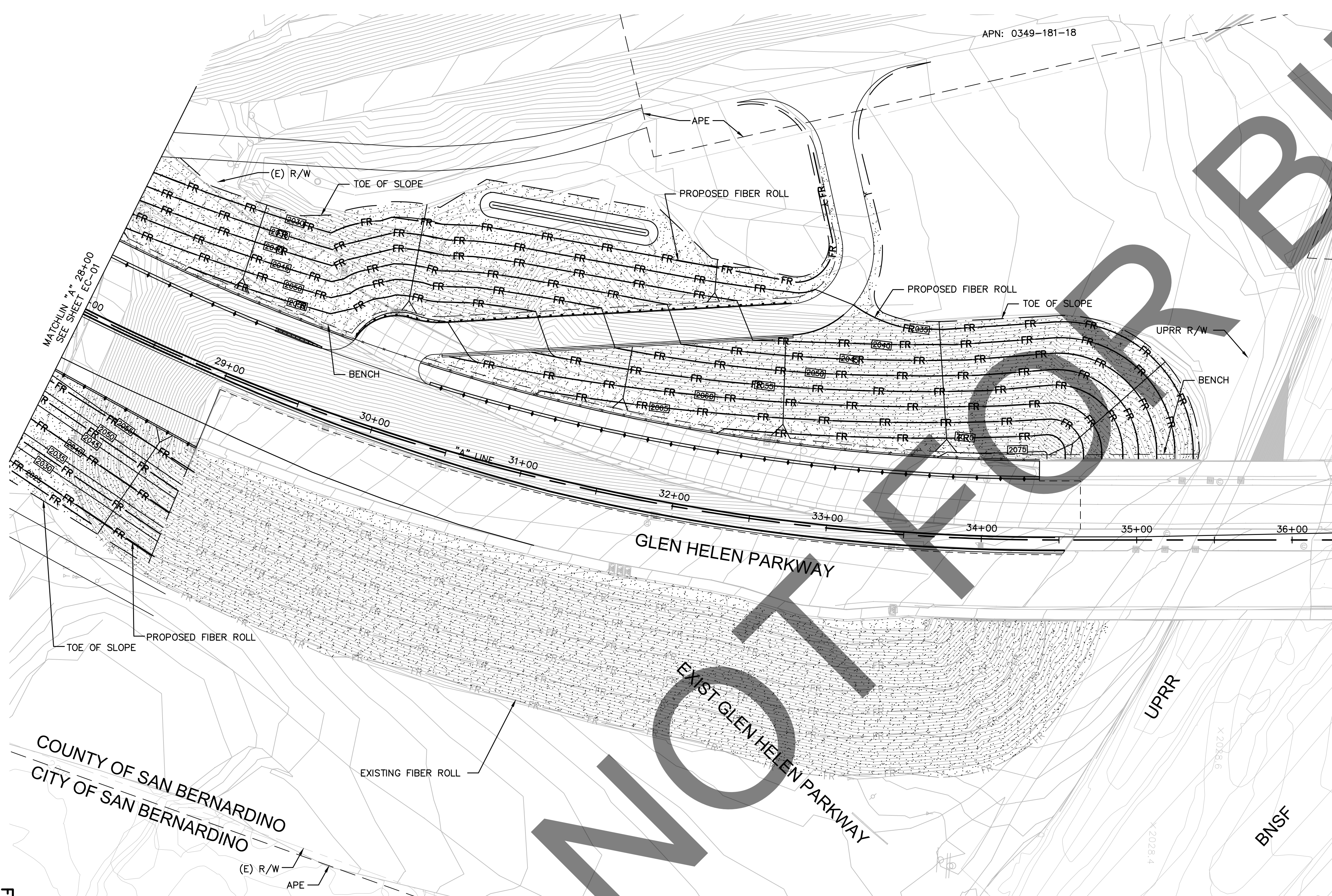


**NOTES:**

- FOR INSTALLATION OF FIBER ROLL, SEE CALTRANS STANDARD PLAN T56 (TYPE 1)
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- CONTRACTOR SHALL REVISE EROSION CONTROL PLAN TO ACCOMMODATE CONSTRUCTION SCHEDULE AND PHASING.

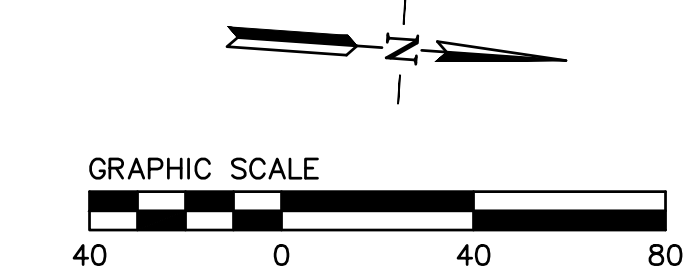
**LEGEND:**

- (E) R/W
- EROSION CONTROL (HYDROSEED)
- FR FIBER ROLL
- FR EXISTING FIBER ROLL
- X-X SILT FENCE
- TEMPORARY INLET PROTECTION (SANDBAGS)
- DAYLIGHT LINE



MARK	REVISIONS	DATE

FILE NO. 382400 050



100% SUBMISSION 7/31/2024

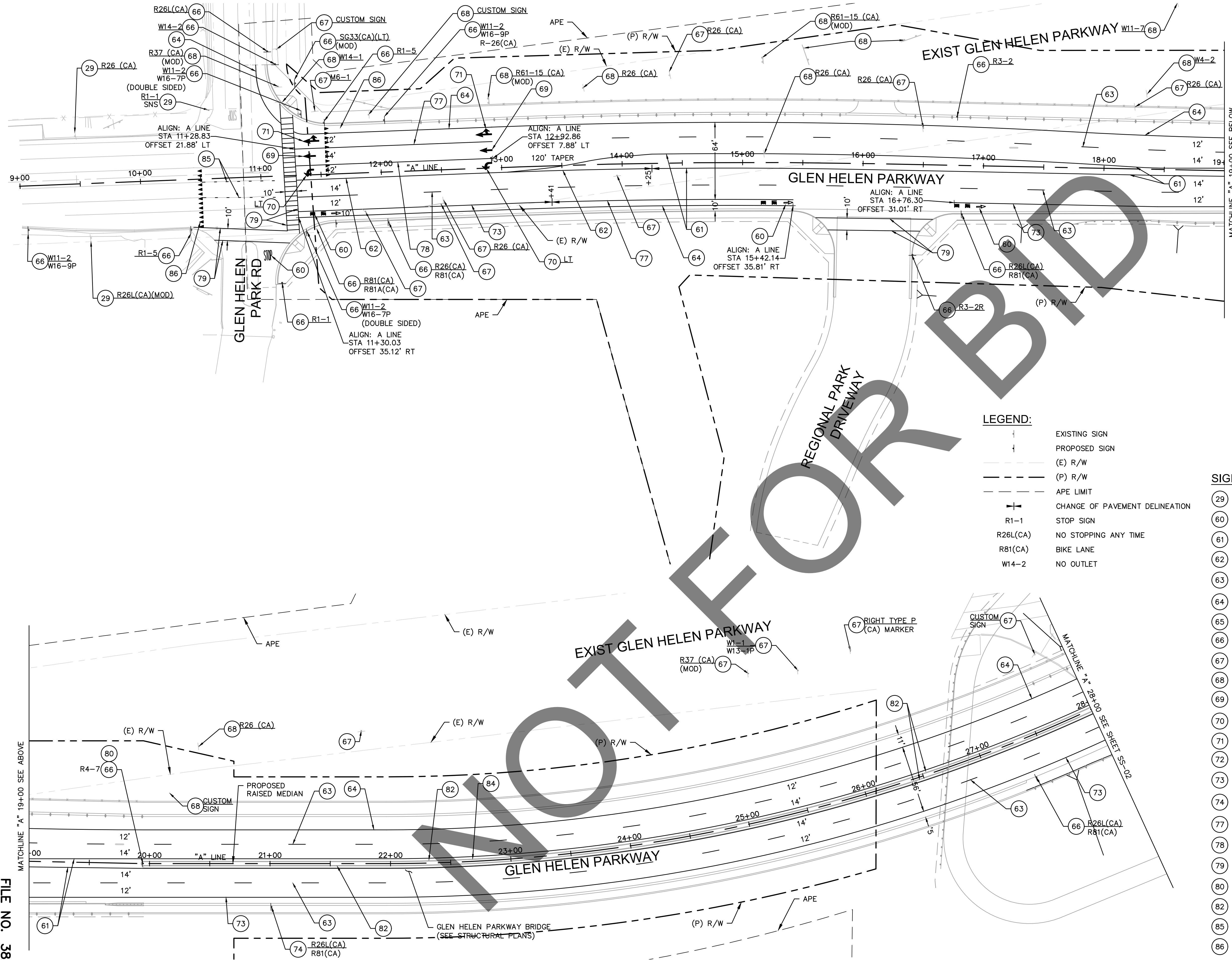
PLANS PREPARED BY: <b>BKF ENGINEERS</b> 4675 MACARTHUR CT. SUITE 400 NEWPORT BEACH, CA 92660 (949) 526-8460 www.bkf.com		REGISTERED PROFESSIONAL ENGINEER SHELIA AMPARO 78003 Exp 9-30-25 CIVIL STATE OF CALIFORNIA	SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS DESIGNED BY: BL DRAWN BY: KW CHECKED BY: SA RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER 8/15/24 APPROVED BY: THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER 8/15/24 DEPUTY DIRECTOR	GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH GLEN HELEN PARKWAY EROSION CONTROL PLAN NO.2 "A" LINE 28+00 TO "A" LINE 36+00
FIELD CHANGES CHANGES: NO CHANGES RESIDENT ENGINEER: DATE:		REGISTERED DATE: 7/31/24	J.L. REF. 11334 W.O. NO. H14646 DRAWING NO. EC-02 SHT. NO. 34 TOT. SHT'S. 102	2014233



- TRAFFIC CONTROL - GENERAL NOTES:**
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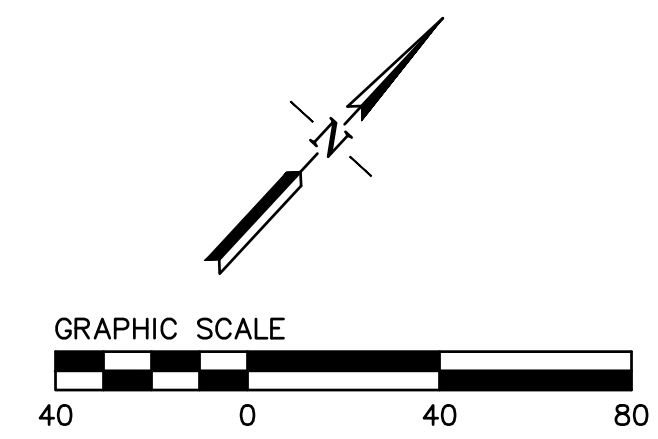
- SIGING AND STRIPING CONSTRUCTION NOTES:**
- (29) PROTECT-IN-PLACE
  - (60) INSTALL PAVEMENT MARKING AS SHOWN ON PLAN
  - (61) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 29
  - (62) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20A, DETAIL 22
  - (63) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20A, DETAIL 9
  - (64) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 27B
  - (65) INSTALL OBJECT MARKER TYPE P (CA)
  - (66) INSTALL SIGN AS SHOWN ON PLAN PER CA MUTCD FIGURE 2A-2
  - (67) REMOVE SIGN
  - (68) RELOCATE SIGN
  - (69) INSTALL PAVEMENT MARKING TYPE I ARROW PER 2015 CALTRANS STD. PLAN A24A
  - (70) INSTALL PAVEMENT MARKING TYPE IV ARROW PER 2015 CALTRANS STD. PLAN A24A
  - (71) INSTALL PAVEMENT MARKING TYPE VII ARROW PER 2015 CALTRANS STD. PLAN A24A
  - (72) INSTALL PAVEMENT MARKING TYPE VIII ARROW PER 2015 CALTRANS STD. PLAN A24A
  - (73) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20D, DETAIL 39
  - (74) INSTALL BARRIER MOUNTED SIGN
  - (77) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20D, DETAIL 39A
  - (78) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20D, DETAIL 38
  - (79) INSTALL 12" WIDE WHITE PAVEMENT MARKINGS FOR 10' CROSSWALK AND PER CALTRANS STD. PLAN A88A, DETAIL B
  - (80) INSTALL OBJECT MARKER TYPE N (CA)
  - (82) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 25
  - (85) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20D, DETAIL 40
  - (86) INSTALL YIELD LINE PER CALTRANS STD. PLAN A24G

100% SUBMISSION 7/31/2024



MARK	REVISIONS	APPR.	DATE
MARK	REVISIONS	APPR.	DATE
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

**FIELD CHANGES**

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

REGISTERED PROFESSIONAL ENGINEER  
THOMAS BUSTAMONTE  
DATE 7/31/24

**SAN BERNARDINO COUNTY**  
**DEPARTMENT OF PUBLIC WORKS**

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

**GLEN HELEN PARKWAY BRIDGE**  
**OVER CAJON WASH**  
**GLEN HELEN PARKWAY**  
**SIGNING AND STRIPING SHEET**

"A" LINE 10+00 TO "A" LINE 28+00

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	SS-01	35	102



**TRAFFIC CONTROL - GENERAL NOTES:**

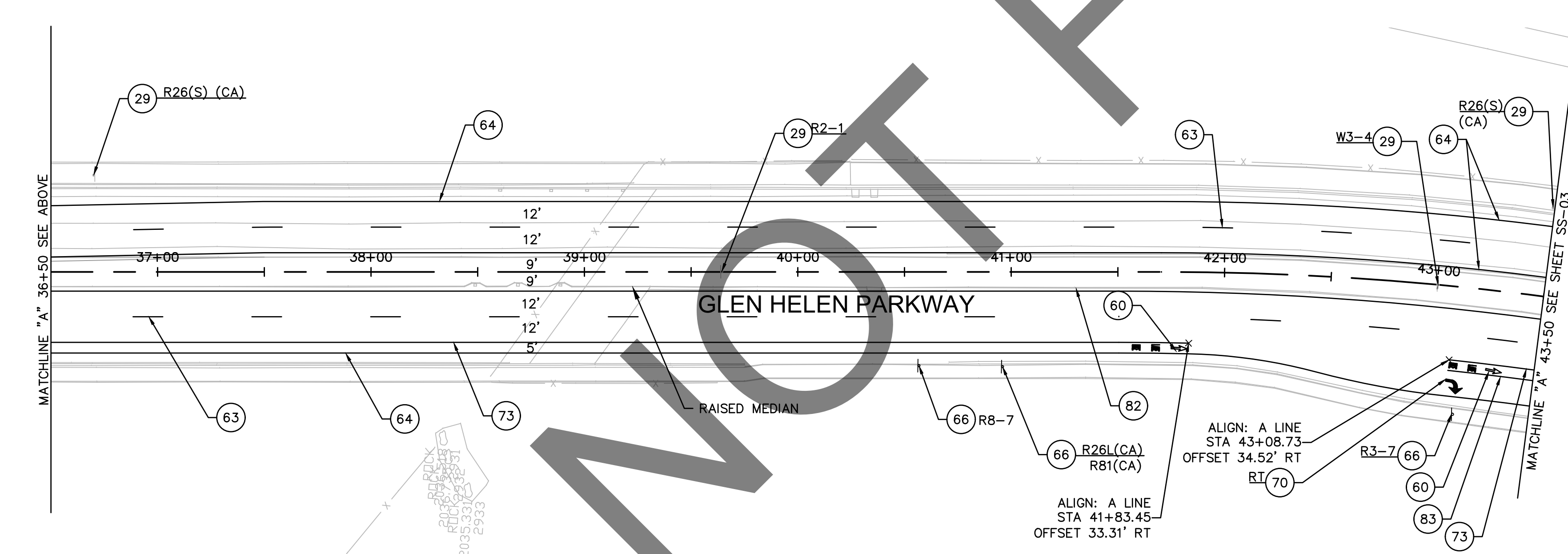
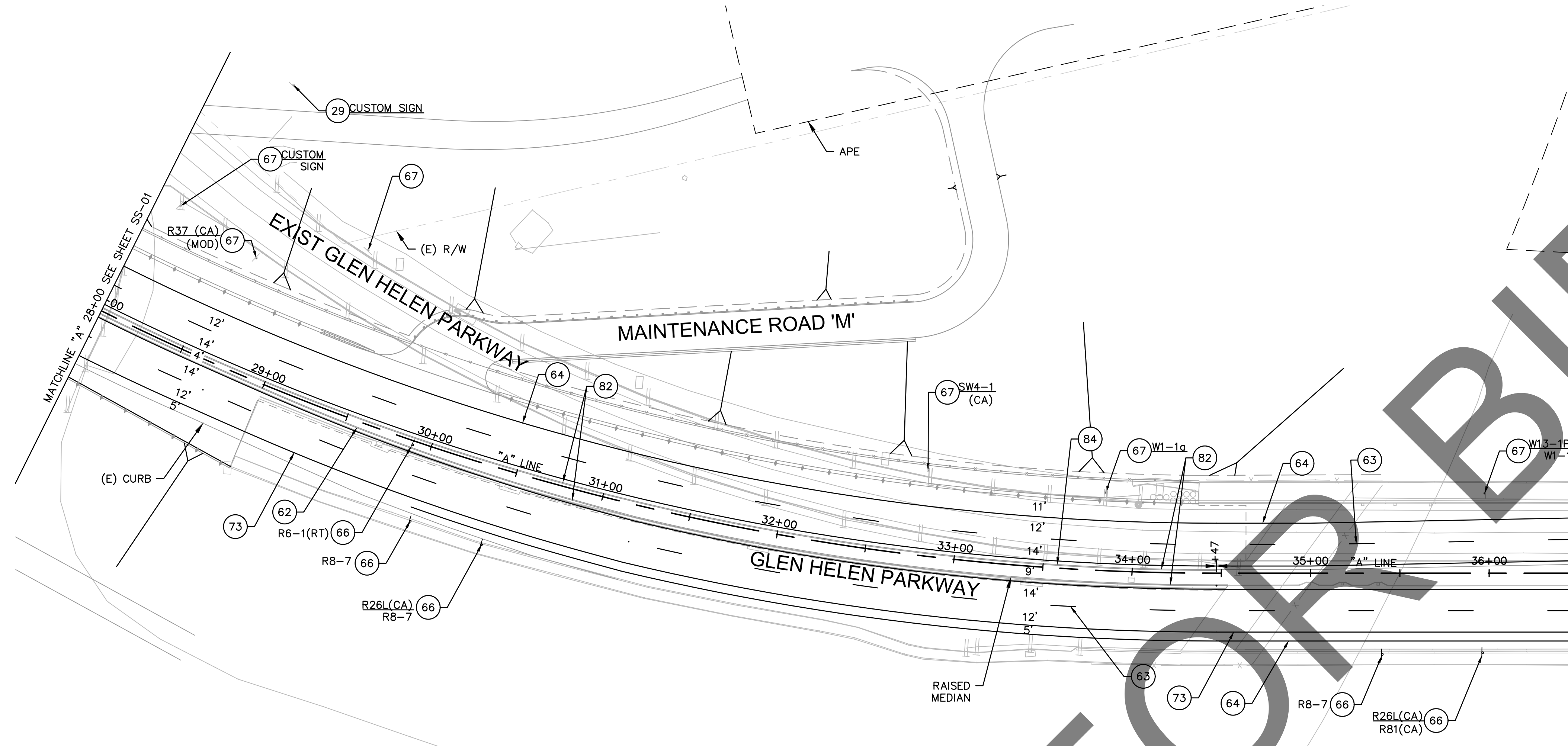
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**SIGNING AND STRIPING CONSTRUCTION NOTES:**

- 29 PROTECT-IN-PLACE
- 60 INSTALL PAVEMENT MARKING AS SHOWN ON PLAN
- 62 INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20A, DETAIL 22
- 63 INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20A, DETAIL 9
- 64 INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 27B
- 66 INSTALL SIGN AS SHOWN ON PLAN PER CA MUTCD FIGURE 2A-2
- 67 REMOVE SIGN
- 70 INSTALL PAVEMENT MARKING TYPE IV ARROW PER 2015 CALTRANS STD. PLAN A24A
- 73 INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20D, DETAIL 39
- 82 INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 25
- 83 INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 38A

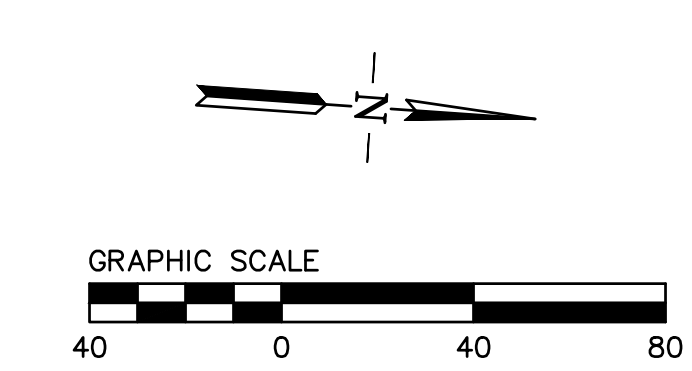
**LEGEND:**

- EXISTING SIGN
- PROPOSED SIGN
- (E) R/W
- APE
- CHANGE OF PAVEMENT DELINEATION
- R8-7 EMERGENCY STOPPING ONLY
- R26L(CA) NO STOPPING ANY TIME
- R81(CA) BIKE LANE



MARK	REVISIONS	APPR.	DATE

FILE NO. 382400 050



PLANS PREPARED BY:			<b>SAN BERNARDINO COUNTY</b>		<b>GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH</b> GLEN HELEN PARKWAY SIGNING AND STRIPING SHEET "A" LINE 28+00 TO "A" LINE 43+50
			<b>DEPARTMENT OF PUBLIC WORKS</b>		
MARK	CHANGES	DESIGNED BY: BL	DRAWN BY: KW	CHECKED BY: SA	RECOMMENDED BY: <i>Chris Nguyen</i> 8/15/24
NO CHANGES	RESIDENT ENGINEER	DATE	DATE	DATE	DATE
<b>FIELD CHANGES</b>		APPROVED BY: <i>Thomas Bustamonte</i> 8/15/24 THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER		DATE: 8/15/24 APPROVED BY: <i>Mervat El-Merkhail</i> 8/15/24 MERVAT EL-MERKHAİL, P.E. DEPUTY DIRECTOR	J.L. REF. 11334 W.O. NO. H14646 DRAWING NO. SS-02 SHT. NO. 36 TOT. SHT'S. 102

100% SUBMISSION 7/31/2024



**TRAFFIC CONTROL - GENERAL NOTES:**

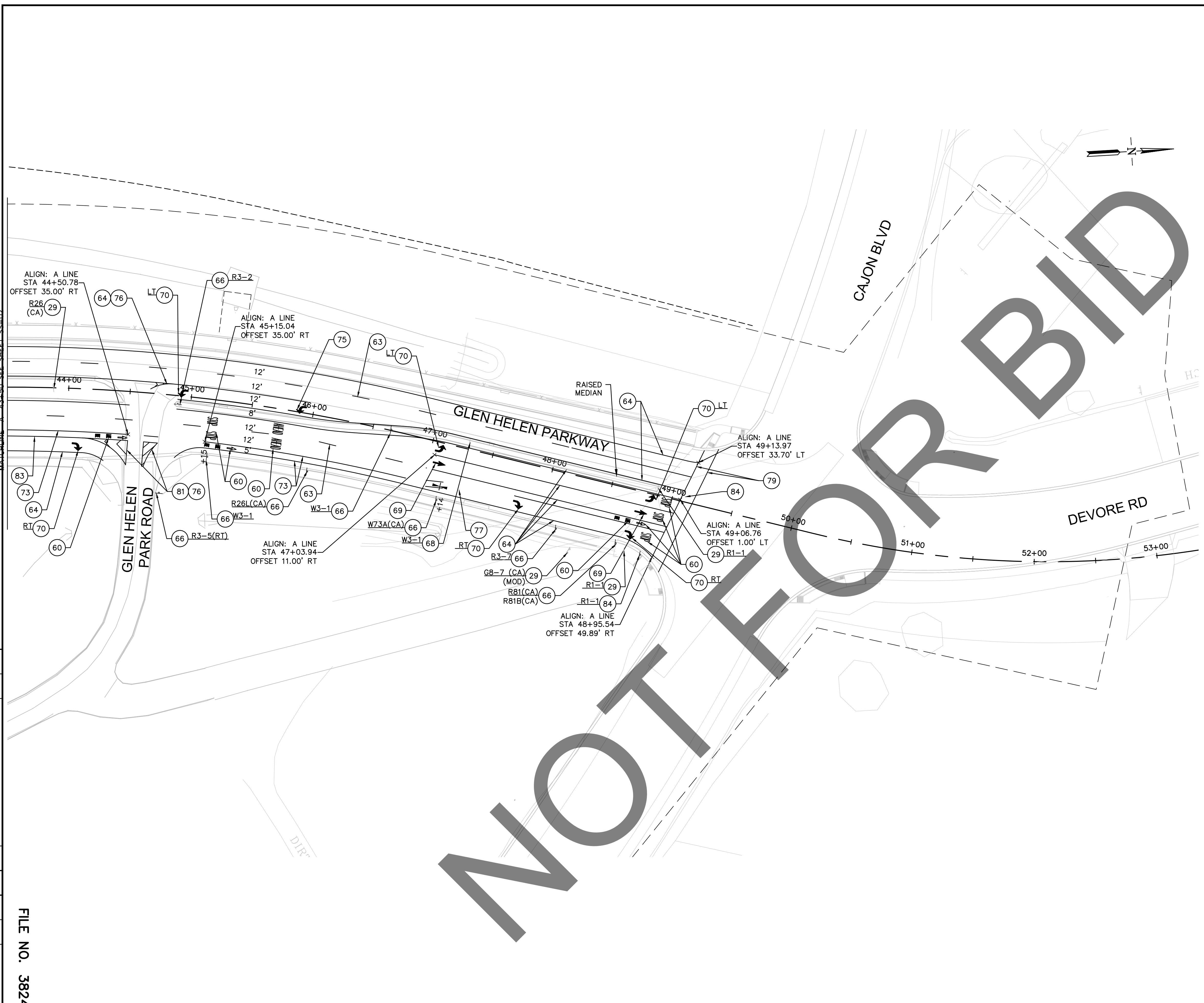
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- NOTE 8: ALL CONFLICTING SIGNS SHALL BE REMOVED, RELOCATED, OR COVERED BY THE CONTRACTOR. RELOCATABLE SIGNS SHALL BE INSTALLED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- NOTE 9: ALL UNPROTECTED LOCATIONS RESULTING IN ISOLATED 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 PAVEMENT MARKINGS) NOT SHOWN ON PLANS, IF REMOVED/OBLITERATED, SHALL BE REPLACED/RESTORED OF SAME KIND, AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- NOTE 11: THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.

**SIGNING AND STRIPING CONSTRUCTION NOTES:**

- (29) PROTECT-IN-PLACE
- (60) INSTALL PAVEMENT MARKING AS SHOWN ON PLAN
- (63) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20A, DETAIL 9
- (64) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 27B
- (66) INSTALL SIGN AS SHOWN ON PLAN PER CA MUTCD FIGURE 2A-2
- (68) RELOCATE SIGN
- (69) INSTALL PAVEMENT MARKING TYPE I ARROW PER 2015 CALTRANS STD. PLAN A24A
- (70) INSTALL PAVEMENT MARKING TYPE IV ARROW PER 2015 CALTRANS STD. PLAN A24A
- (73) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20D, DETAIL 39
- (75) REMOVE EXISTING PAVEMENT MARKING
- (76) INSTALL 8" YELLOW DIAGONAL TRAFFIC STRIPE AT 30" O.C.
- (77) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20A, DETAIL 39D
- (79) INSTALL 12" WIDE WHITE PAVEMENT MARKINGS FOR 10' CROSSWALK
- (81) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 29
- (83) INSTALL TRAFFIC STRIPE PER 2015 CALTRANS STD. PLAN A20B, DETAIL 38A
- (84) EXISTING SIGN TO REMAIN

**LEGEND:**

- EXISTING SIGN
- PROPOSED SIGN
- - - APE LIMIT
- CHANGE OF PAVEMENT DELINEATION
- R26L(CA) NO STOPPING ANY TIME
- R81(CA) BIKE LANE



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

**FIELD CHANGES**

REGISTERED PROFESSIONAL ENGINEER  
DATE: 7/31/24

**SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS**

DESIGNED BY: BL	DRAWN BY: KW	CHECKED BY: SA	RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER
			8/15/24 DATE
			APPROVED BY: THOMAS BUSTAMANTE, P.E. SUPERVISING ENGINEER
		8/15/24 DATE	8/15/24 DATE

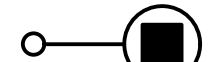
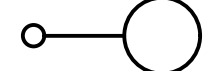


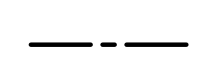
**GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH**  
GLEN HELEN PARKWAY  
SIGNING AND STRIPING SHEET  
"A" LINE 43+50 TO "A" LINE 53+50

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHTS.
11334	H14646	SS-03	37	102

100% SUBMISSION 7/31/2024



**LEGEND:**

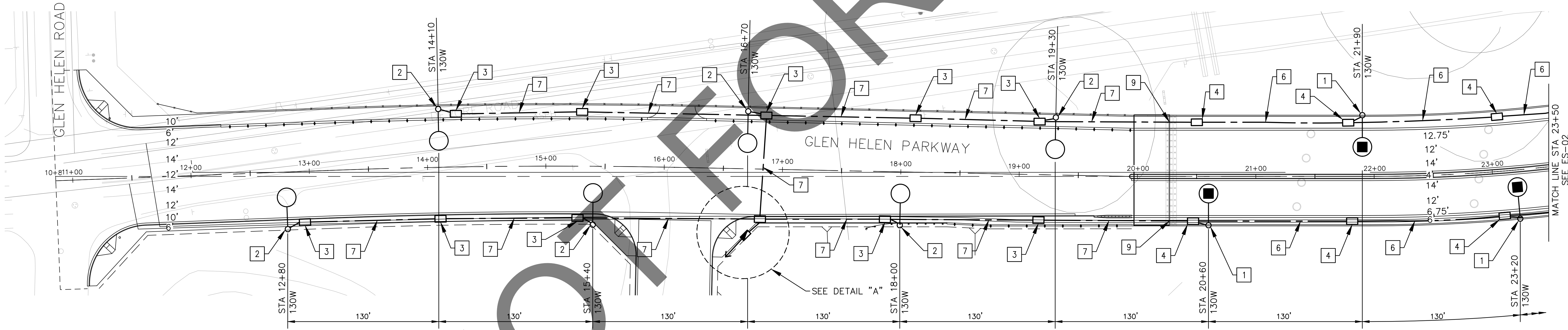
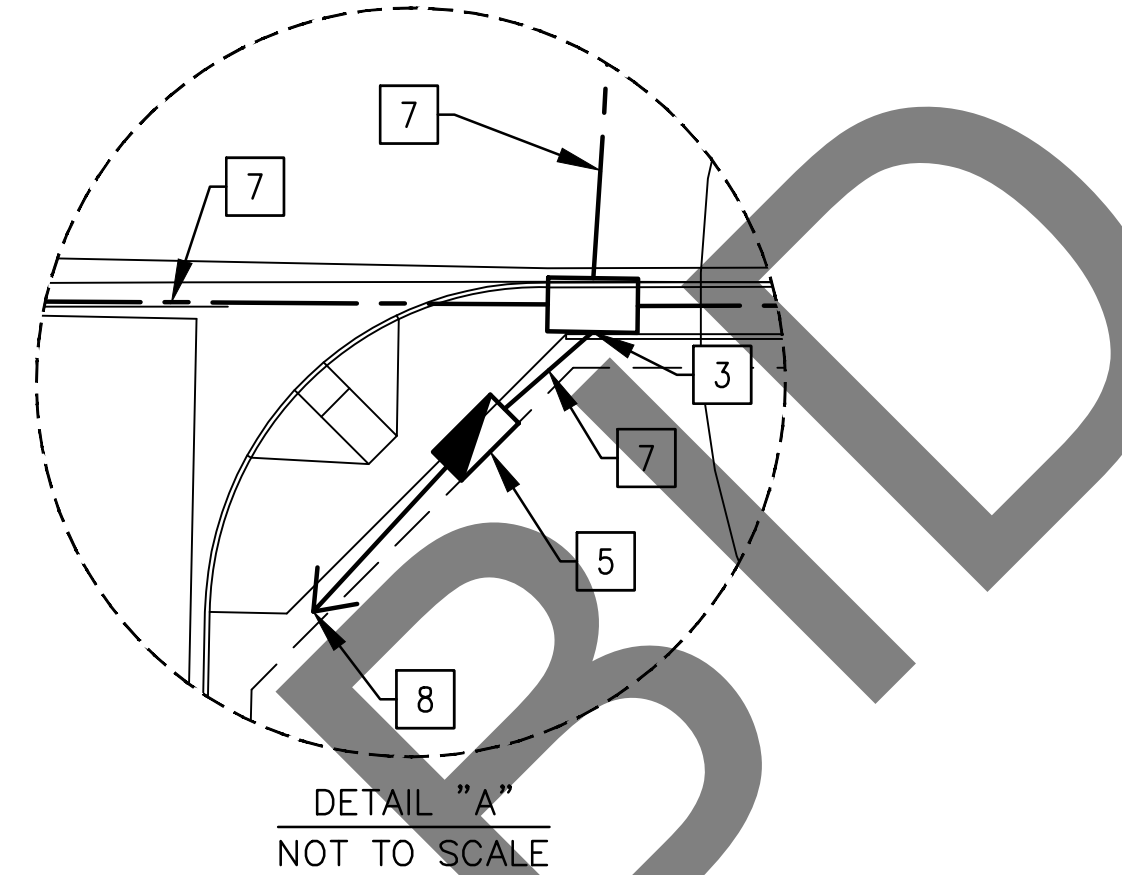
-  PROPOSED BARRIER RAIL MOUNTED ELECTROLIER
-  PROPOSED ELECTROLIER
-  PROPOSED ELECTRIC SERVICE ENCLOSURE
-  PROPOSED PULL BOX
-  PROPOSED CONDUIT

**GENERAL NOTES**

1. THE STREET LIGHT POLES SHALL BE MARBELITE AMERON TYPE 1-C1 SERIES OR AGENCY APPROVED EQUAL.
2. ALL STREET LIGHT WIRING SHALL BE UNDERGROUND.
3. ALL CONDUIT SHALL BE CLEANED AND MANDRILLED, AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL FOUNDATIONS, CONDUIT AND WIRING.
5. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS AND SCE.
6. ANY CHANGE IN LOCATION OF STREET LIGHTS FROM THE APPROVED PLAN IS SUBJECT TO APPROVAL BY THE COUNTY ENGINEER.
7. ALL PULL BOXES SHALL BE THE TRAFFIC TYPE WITH A TAMPER RESISTANT COVER.

**STREET LIGHTING CONSTRUCTION NOTES**

1. INSTALL BARRIER RAIL MOUNTED LIGHTING STANDARD AS SHOWN OR AS DIRECTED BY THE SAN BERNARDINO COUNTY REPRESENTATIVE, WITH NEW 130W, 10,300 LUMEN, 240 VOLT LED LUMINAIRE WITH 10-FOOT MAST ARM.
2. INSTALL LIGHTING STANDARD AS SHOWN OR AS DIRECTED BY THE SAN BERNARDINO COUNTY REPRESENTATIVE 130W, 10,300 LUMEN, 240 VOLT LED LUMINAIRE WITH 10-FOOT MAST ARM.
3. INSTALL NO. 3 1/2 PULL BOX PER SAN BERNARDINO COUNTY REQUIREMENTS.
4. INSTALL NO. 3 1/2 PULL BOX FOR TYPE 732SW BARRIER MOUNTED LIGHT PER CALTRANS STD PLAN ES-9D.
5. INSTALL NEW TYPE III-CF SERVICE CABINET PER CALTRANS STD PLAN ES-2E.
6. INSTALL 2-2" CONDUIT IN CONCRETE BARRIER. 1-2" CONDUIT FOR LIGHTING WITH 2-#8 AND 1-2" CONDUIT WITH PULL ROPE FOR FUTURE USE.
7. INSTALL 2" CONDUIT WITH 2-#8 CONDUCTORS.
8. INSTALL SERVICE CONDUIT PER SCE REQUIREMENTS.
9. INSTALL CONDUIT EXPANSION FITTING OR EXPANSION DEFLECTION PER CALTRANS STD PLAN ES-9B.



**PLAN**  
1" = 40'




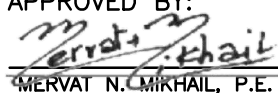
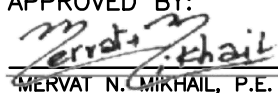
MARK	REVISIONS	APPR.	DATE

MARK	REVISIONS	APPR.	DATE

FILE NO. 382400 050

NOT FOR CONSTRUCTION

100% SUBMISSION

PLANS PREPARED BY:  PLANNING   ENGINEERING   MANAGEMENT <small>18645 East Gale Avenue, Suite 212 City of Industry, CA 91748 (626) 820-1137 Tel (626) 820-1136 Fax www.jmdiaz.com</small>		 REGISTERED PROFESSIONAL ENGINEER JUAN M. DIAZ No. 50813 CIVIL STATE OF CALIFORNIA	SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS DESIGNED BY: GA DRAWN BY: CL CHECKED BY: SI RECOMMENDED BY:  8/15/24 <small>CHRIS NGUYEN, P.E. ENGINEERING MANAGER</small>	GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH STREET LIGHTING
FIELD CHANGES MARK CHANGES NO CHANGES		APPROVED BY:  8/15/24 <small>THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</small>	APPROVED BY:  8/15/24 <small>MERWAT N. MIRHAIL, P.E. DEPUTY DIRECTOR</small>	J.L. REF. 11334 W.O. NO. H14646 DRAWING NO. ES-01 SHT. NO. 38 TOT. SHTS. 102



**LEGEND:**

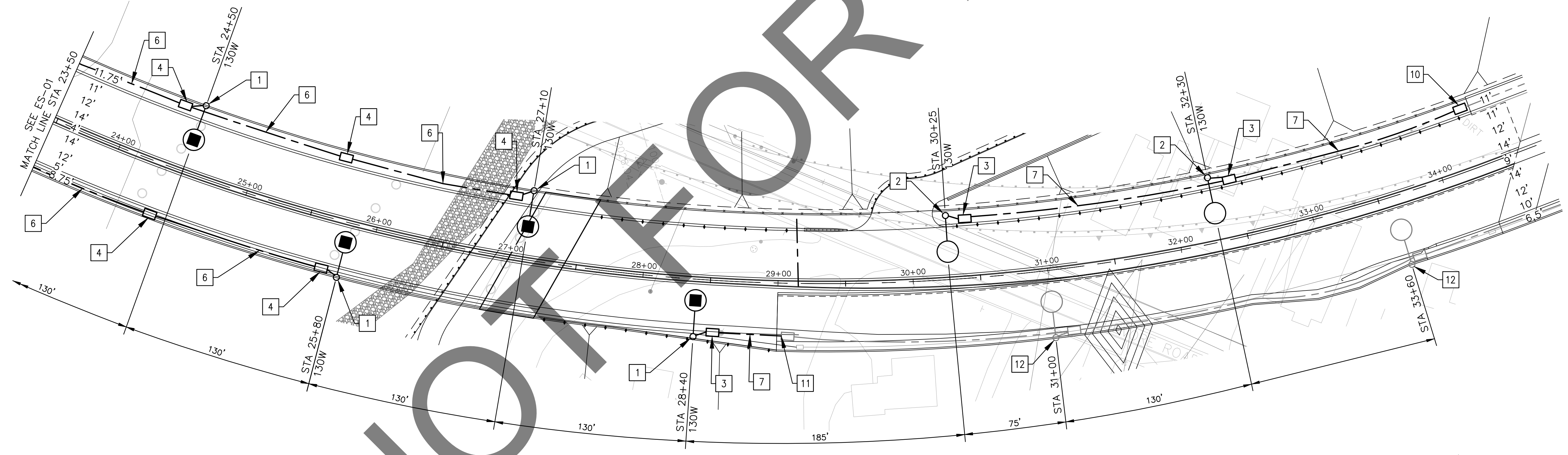
- PROPOSED BARRIER RAIL MOUNTED ELECTROLIER
- PROPOSED ELECTROLIER
- EXISTING ELECTROLIER TO REMAIN
- PROPOSED PULL BOX
- EXISTING PULL BOX TO REMAIN
- PROPOSED CONDUIT
- EXISTING CONDUIT TO REMAIN

**GENERAL NOTES**

1. THE STREET LIGHT POLES SHALL BE MARBLELITE AMERON TYPE 1-C1 SERIES OR AGENCY APPROVED EQUAL.
2. ALL STREET LIGHT WIRING SHALL BE UNDERGROUND.
3. ALL CONDUIT SHALL BE CLEANED AND MANDRILLED, AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL FOUNDATIONS, CONDUIT AND WIRING.
5. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS AND SCE.
6. ANY CHANGE IN LOCATION OF STREET LIGHTS FROM THE APPROVED PLAN IS SUBJECT TO APPROVAL BY THE COUNTY ENGINEER.
7. ALL PULL BOXES SHALL BE THE TRAFFIC TYPE WITH A TAMPER RESISTANT COVER.

**STREET LIGHTING CONSTRUCTION NOTES**

1. INSTALL BARRIER RAIL MOUNTED LIGHTING STANDARD AS SHOWN OR AS DIRECTED BY THE SAN BERNARDINO COUNTY REPRESENTATIVE, WITH NEW 130W, 10,300 LUMEN, 240 VOLT LED LUMINAIRE WITH 10-FOOT MAST ARM.
2. INSTALL LIGHTING STANDARD AS SHOWN OR AS DIRECTED BY THE SAN BERNARDINO COUNTY REPRESENTATIVE, WITH NEW 130W, 10,300 LUMEN, 240 VOLT LED LUMINAIRE WITH 10-FOOT MAST ARM.
3. INSTALL NO. 3 1/2 PULL BOX PER SAN BERNARDINO COUNTY REQUIREMENTS.
4. INSTALL NO. 3 1/2 PULL BOX FOR TYPE 732SW BARRIER MOUNTED LIGHT PER CALTRANS STD PLAN ES-9D.
6. INSTALL 2-2" CONDUIT IN CONCRETE BARRIER. 1-2" CONDUIT FOR LIGHTING WITH 2-#8 AND 1-2" CONDUIT WITH PULL ROPE FOR FUTURE USE.
7. INSTALL 2" CONDUIT WITH 2-#8 CONDUCTORS.
10. INSTALL NO. 3 1/2 PULL BOX IN EXISTING CONDUIT RUN.
11. INSTALL CONDUIT INTO EXISTING PULL BOX.
12. EXISTING STREET LIGHT TO REMAIN.



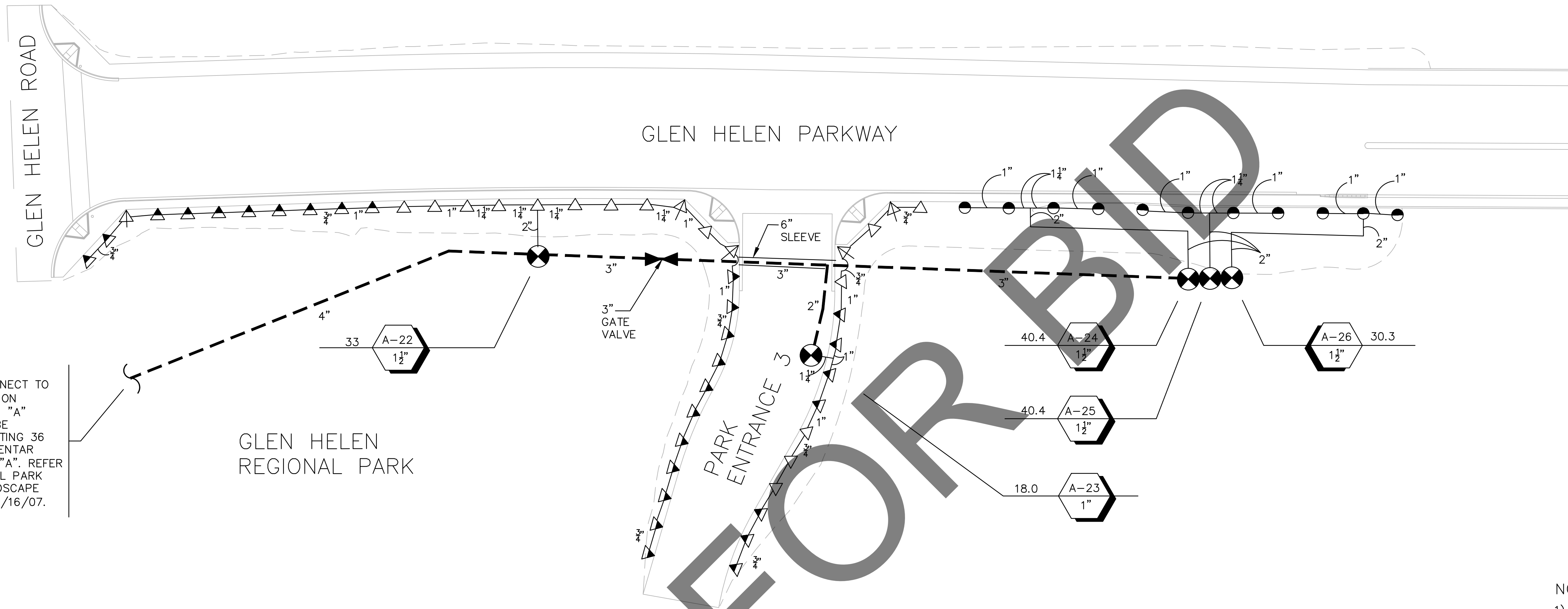
**PLAN**  
1" = 40'

MARK	REVISIONS	DATE

FILE NO. 382400 050

<b>PLANS PREPARED BY:</b>  PLANNING   ENGINEERING   MANAGEMENT 18645 East Gale Avenue, Suite 212 City of Industry, CA 91748 (626) 820-1137 Tel (626) 820-1136 Fax www.jmdiaz.com	REGISTERED PROFESSIONAL ENGINEER JUAN M. DIAZ No. 50813 CIVIL STATE OF CALIFORNIA	SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS DESIGNED BY: GA DRAWN BY: CL CHECKED BY: SI RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER DATE: 8/15/24	GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH STREET LIGHTING
	<b>FIELD CHANGES</b> MARK CHANGES NO CHANGES RESIDENT ENGINEER DATE	REGISTERED ENGINEER THOMAS BUSTAMONTE SUPERVISING ENGINEER DATE: 7/29/24	
100% SUBMISSION			J.L. REF. 11334 W.O. NO. H14646 DRAWING NO. ES-02 SHT. NO. 39 TOT. SHT'S. 102 (2014233S4) 2014233





CONTRACTOR SHALL CONNECT TO THE EXISTING 4" IRRIGATION MAINLINE. ALL PROPOSED "A" SYSTEM VALVES SHALL BE CONNECTED TO THE EXISTING 36 STATION RAIN MASTER SENTAR IRRIGATION CONTROLLER "A". REFER TO GLEN HELEN REGIONAL PARK PLANS FROM NUVIS LANDSCAPE ARCHITECTURE DATED 07/16/07.

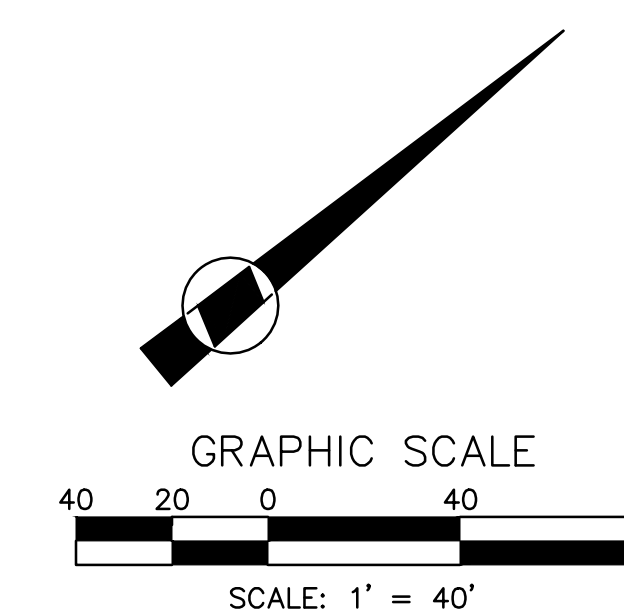
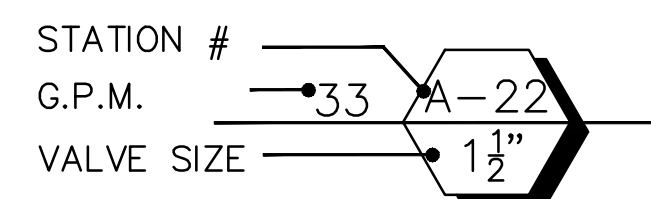
GLEN HELEN REGIONAL PARK

- NOTES:
- 1) SEE SHEET #41 FOR IRRIGATION DETAILS.
  - 2) SEE SHEET #45 FOR IRRIGATION NOTES.

IRRIGATION LEGEND

SYMBOL	MANUFACTURER	MODEL	P.S.I.	G.P.M.	RADIUS	DETAIL
●	HUNTER	I-25-06-SS-#10	50	10.1	51'	#8, SHEET #41
▽	HUNTER	PROS-12-PRS40-CV-MP3000-90	40	1.82	22'-30'	#8, SHEET #41
▽	HUNTER	PROS-12-PRS40-CV-MP3000-90	40	.86	22'-30'	#8, SHEET #41
▽	HUNTER	PROS-12-PRS40-CV-MP2000-90	40	.77	13'-21'	#8, SHEET #41

⊗	RAINBIRD EFB-CP SERIES REMOTE CONTROL VALVE. SIZE AS NOTED ON PLAN. SEE DETAIL	#5, SHEET #41
—	SCHEDULE 40 PVC LATERAL LINE. BURY MINIMUM 12" BELOW FINISH GRADE. SEE DETAIL	#7, SHEET #41
- - -	CLASS 315 PVC MAINLINE. SIZE NOTED ON PLAN. SEE DETAIL	#7, SHEET #41
—	SCHEDULE 40 PVC SLEEVING (2X SIZE OF PIPE INSIDE). EXTEND 12" BEYOND EDGE OF PAVING.	
⊗	GATE VALVE. NIBCO (BRASS). TI-8. SIZE AS NOTED ON PLANS. SEE DETAIL	#6, SHEET #41



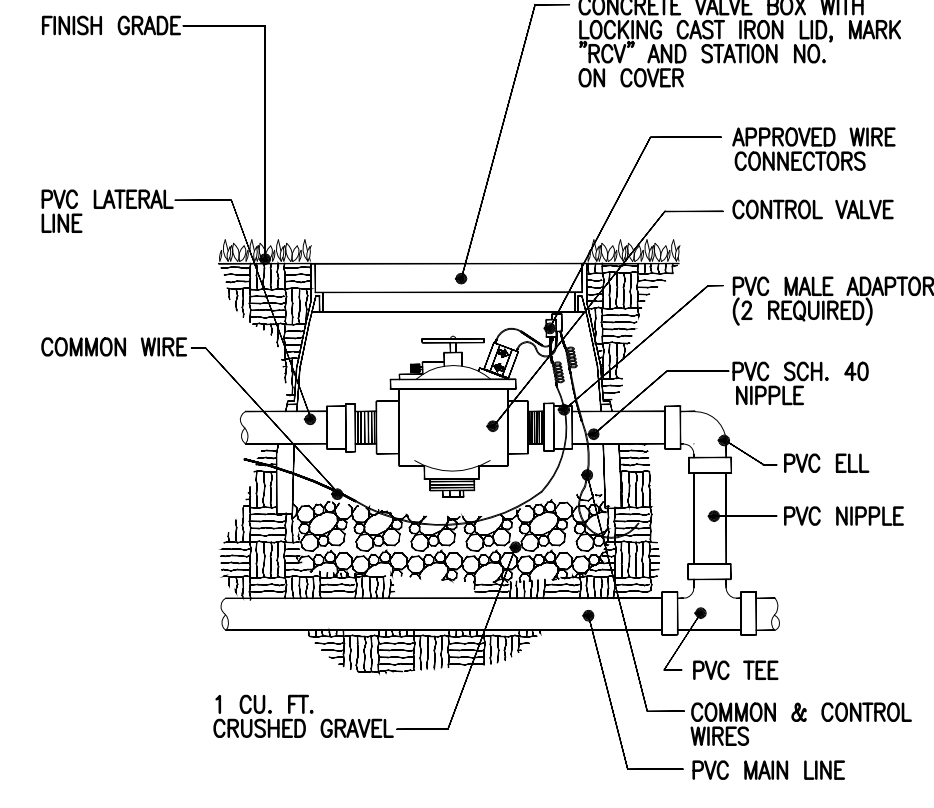
100% SUBMISSION

PLANS PREPARED BY:  TATSUMI AND PARTNERS, INC. LANDSCAPE ARCHITECTURE ARCHITECTS MANAGER 49 DISCOVERY, SUITE 120 IRVINE, CA 92618 PH 949/453-9901 FAX 949/453-9902 www.tatsumiandpartners.com	FIELD CHANGES MARK CHANGES NO CHANGES RESIDENT ENGINEER DATE	 REGISTERED LANDSCAPE ARCHITECT DATE 7/29/2024	SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS		GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH IRRIGATION PLAN
			DESIGNED BY: JO DRAWN BY: JO CHECKED BY: MA RECOMMENDED BY: CHRIS NGUYEN, P.E., ENGINEERING MANAGER DATE 8/15/24	APPROVED BY: THOMAS BUSTAMONTE, P.E., SUPERVISING ENGINEER DATE 8/15/24	

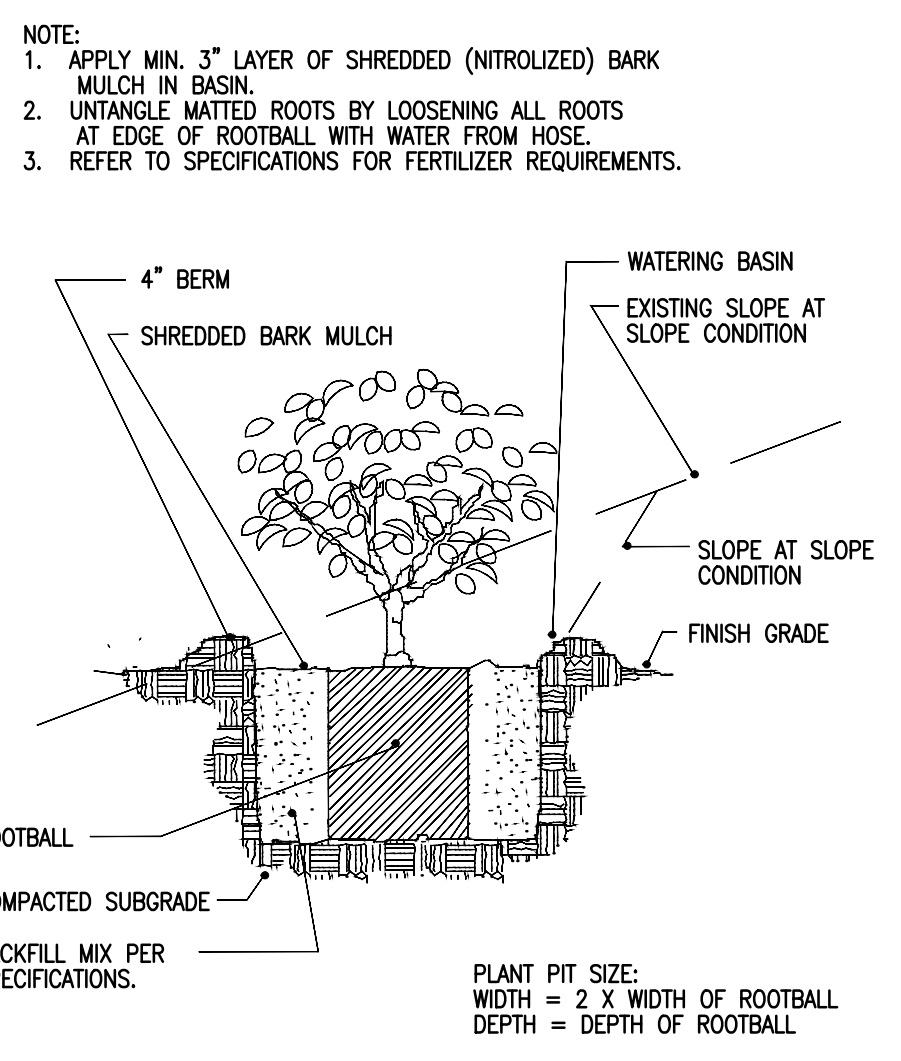
MARK	REVISIONS	DATE
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FILE NO. 382400 050

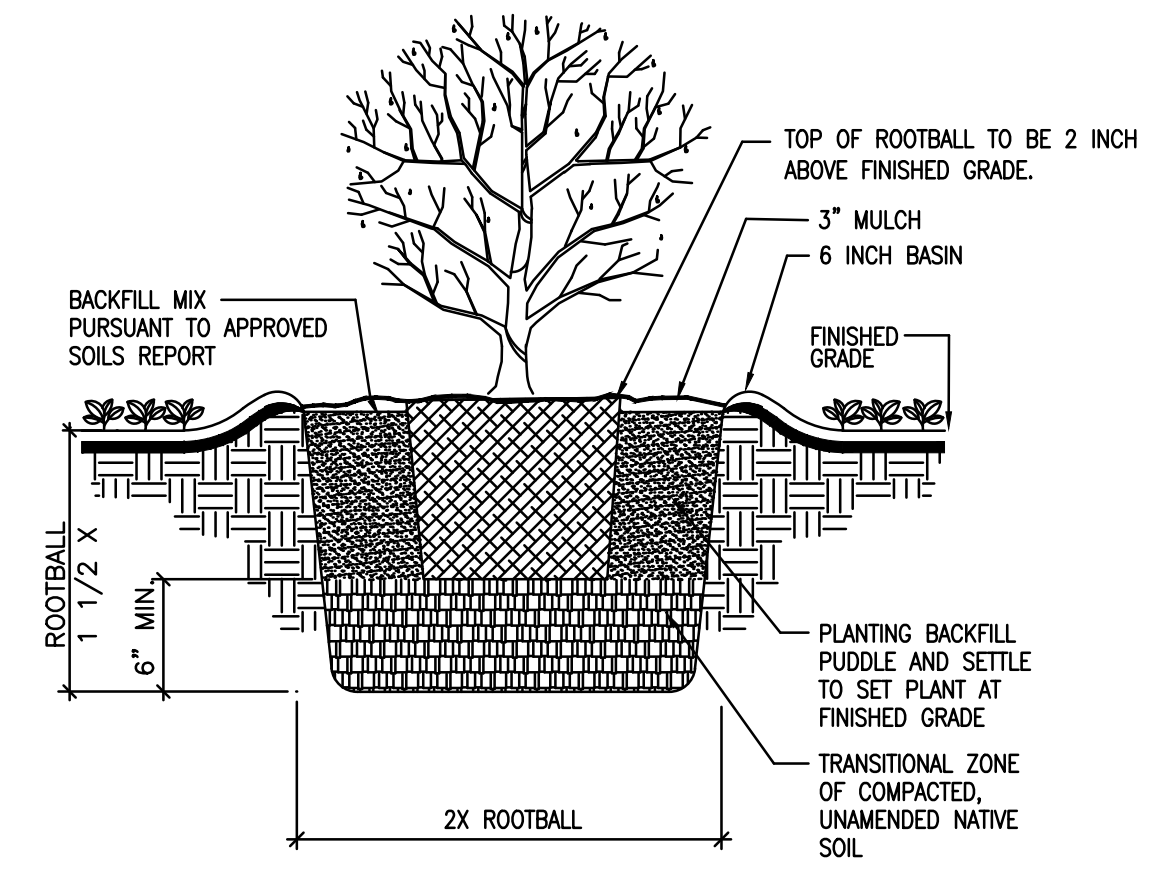




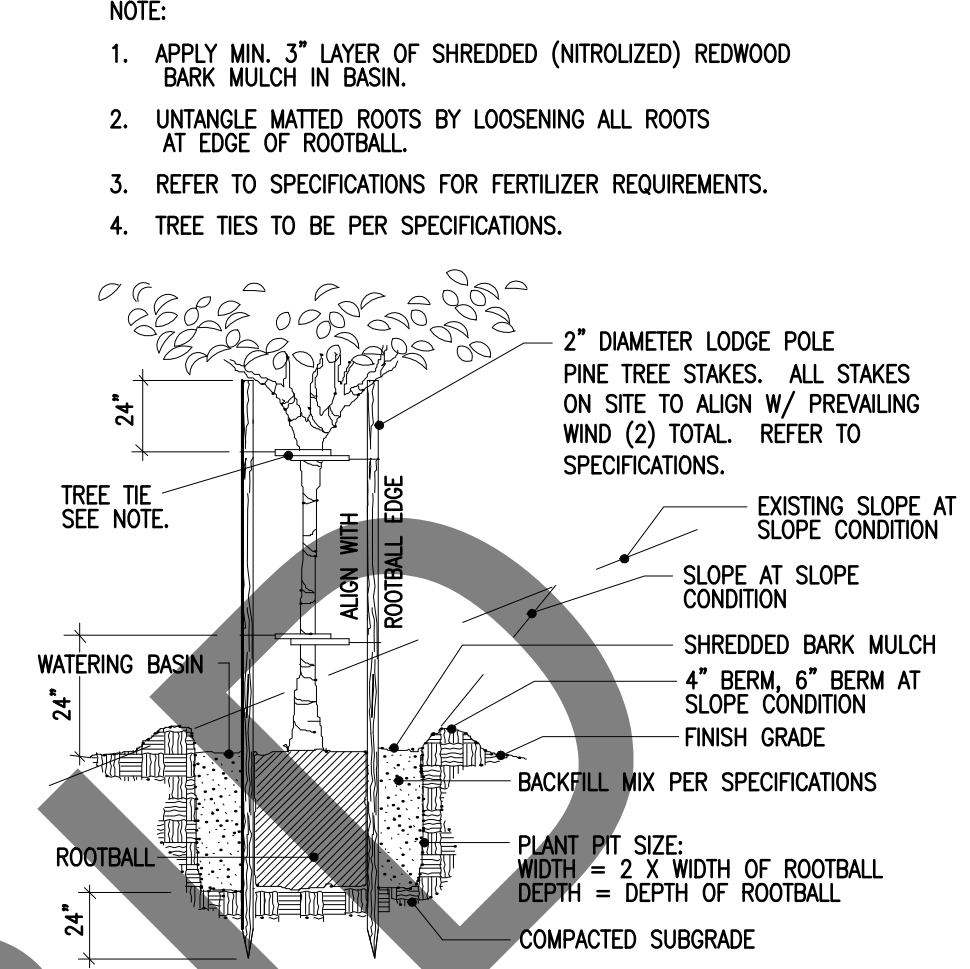
5 REMOTE CONTROL VALVE



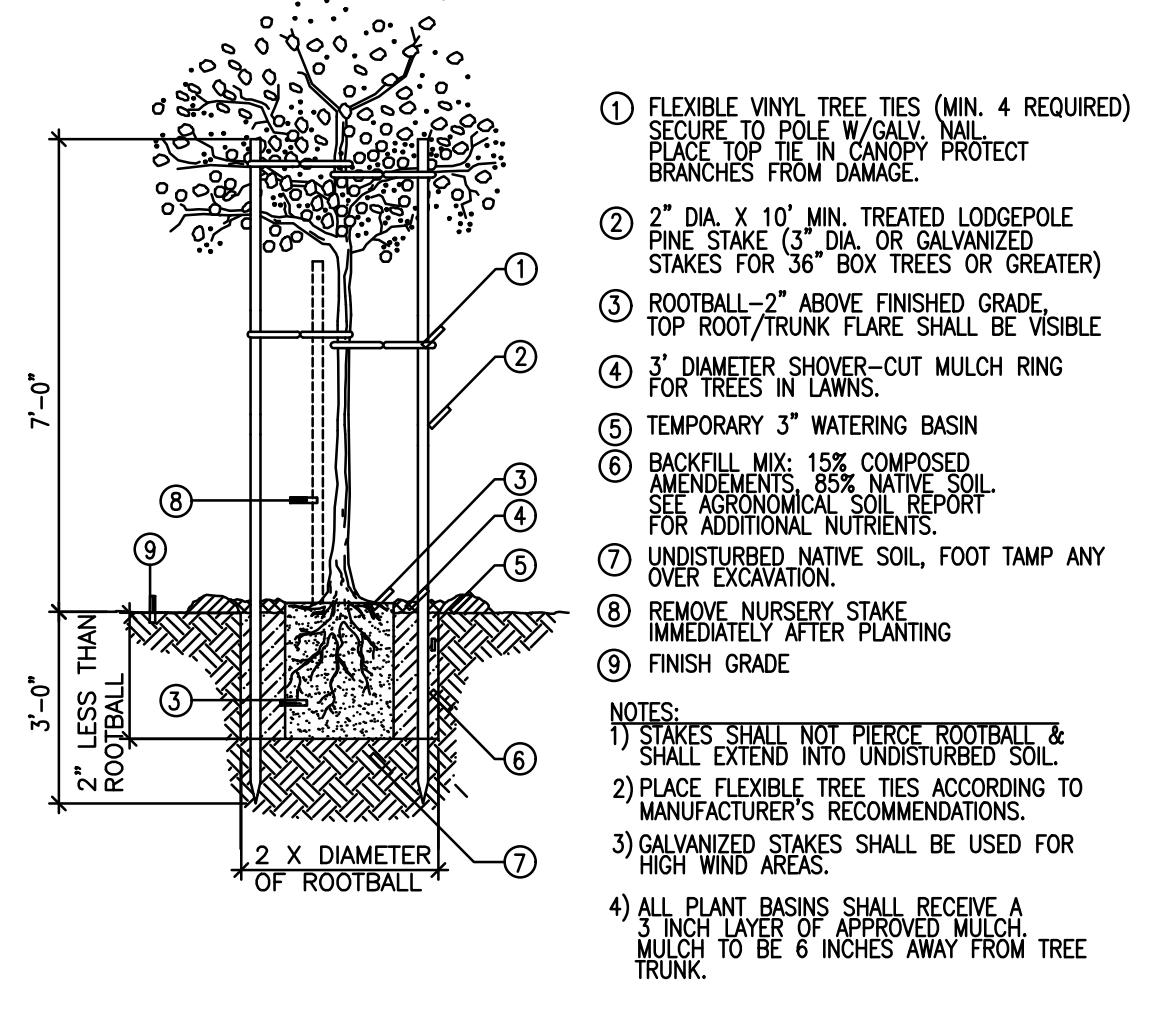
4 SHRUB PLANTING ON SLOPE



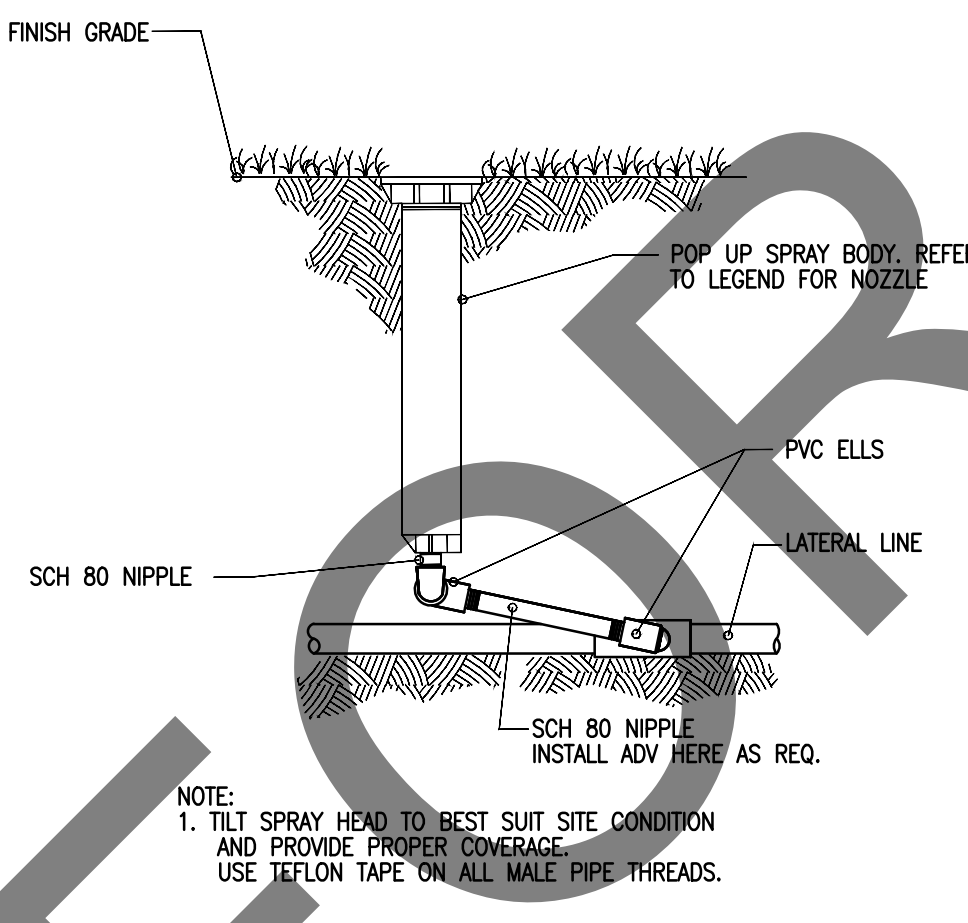
3 SHRUB PLANTING



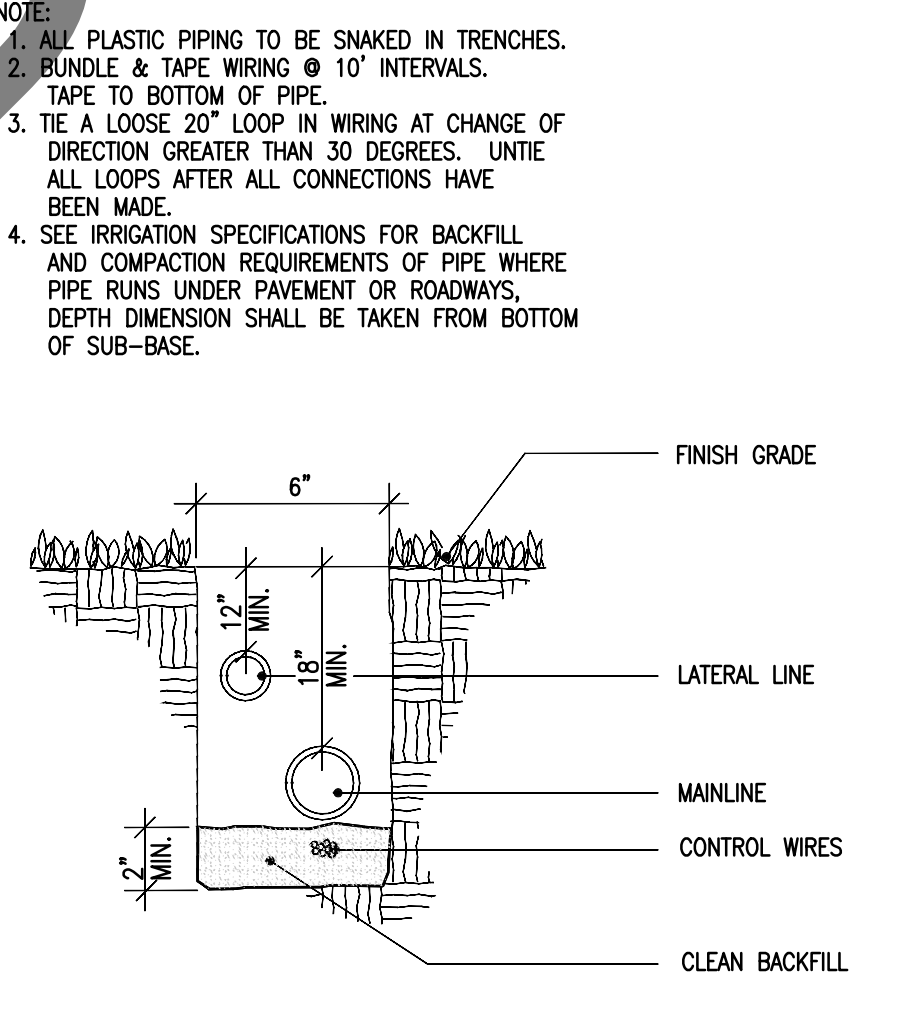
2 TREE PLANTING ON SLOPE



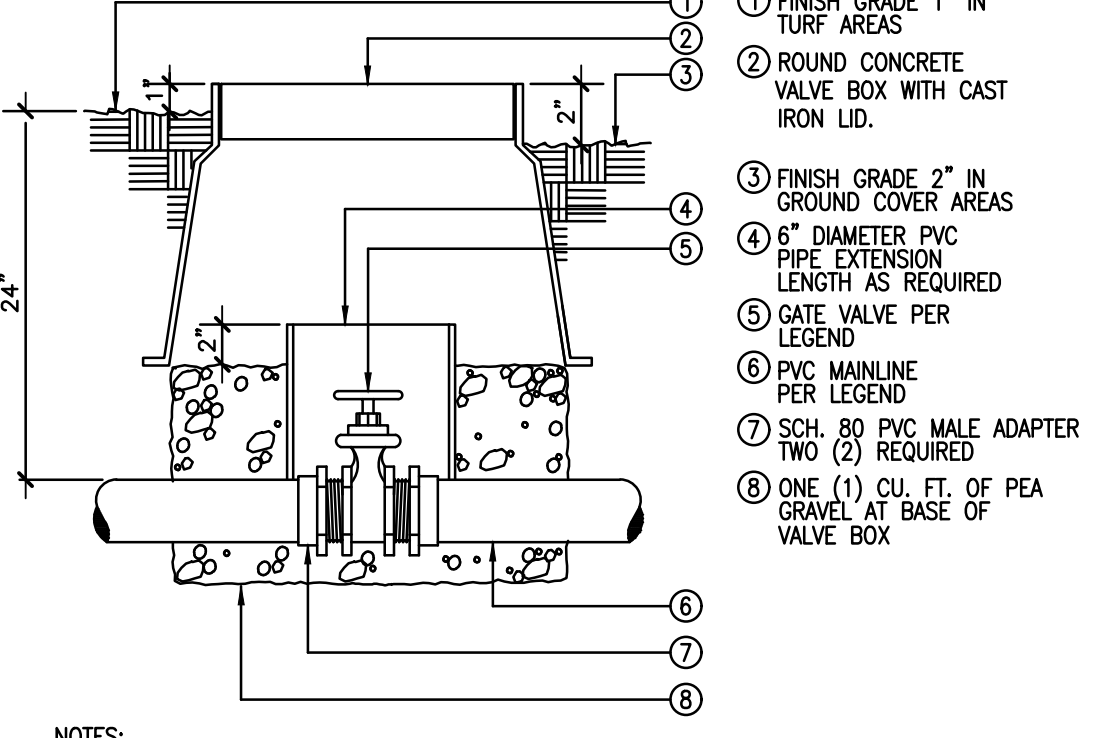
1 TREE PLANTING



8 POP-UP



7 TRENCHING



6 GATE VALVE

10

9

15

14

13

12

11

100% SUBMISSION

MARK	0	RELEASED TO CLIENT
REVISIONS		
MARK		
REVISIONS		
APPR.		DATE

PLANS PREPARED BY:

TATSUMI AND PARTNERS, INC.  
LANDSCAPE ARCHITECTURE  
ARCHITECTS & MANAGER  
49 DISCOVERY, SUITE 120  
IRVINE, CA 92618  
PH 949/453-9901 FAX 949/453-9902  
www.tatsumiandpartners.com

REGISTERED LANDSCAPE ARCHITECT

7/29/2024

SAN BERNARDINO COUNTY  
DEPARTMENT OF PUBLIC WORKS

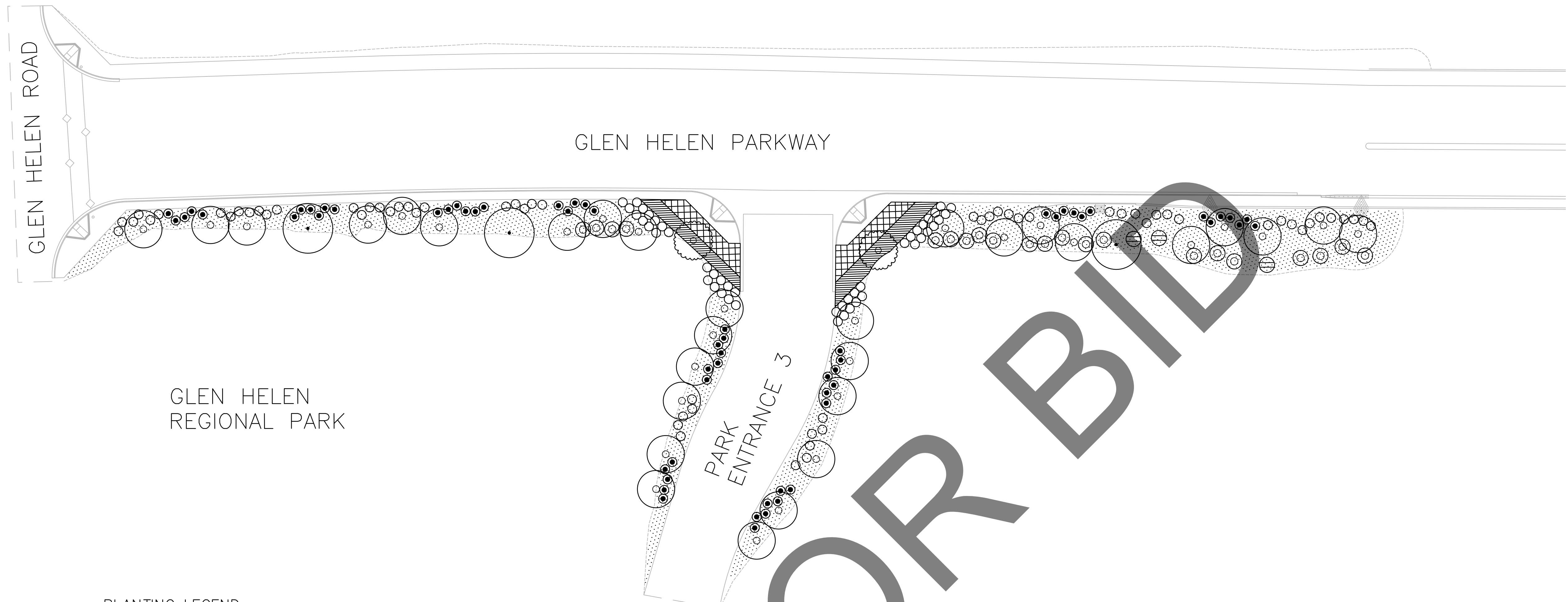
DESIGNED BY: JO  
DRAWN BY: JO  
CHECKED BY: MA  
RECOMMENDED BY: Chris Nguyen, P.E., Engineering Manager  
APPROVED BY: Thomas Bustamante, Registered Landscape Architect, Supervising Engineer

8/15/24  
8/15/24

GLEN HELEN PARKWAY BRIDGE  
OVER CAJON WASH  
PLANTING AND IRRIGATION DETAILS

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHTS.
11334	H14646	L-02	41	102

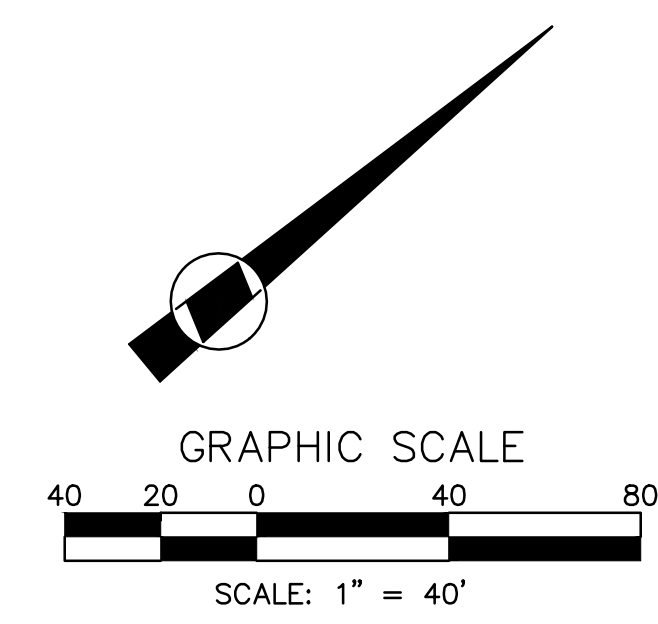




PLANTING LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY (EACH)	DETAILS
<b>TREES</b>					
	ARBUS UNEDO	STRABERRY TREE	48" BOX	2	MULTI-TRUNK. #1, SHEET #41
	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEETGUM	24" BOX	30	#1 & 2, SHEET #41
	PINUS HALEPENSIS	ALEPPO PINE	24" BOX	3	#1 & 2, SHEET #41
<b>SHRUBS</b>					
	AGAVE PARRYI	PARRY'S AGAVE	5 GAL.	61	#3 & 4, SHEET #41
	ARTEMISIA SCHMIDTIANA 'SILVER MOUND'	ANGEL'S HAIR	1 GAL.	1,782	PLANT AT 12" O.C. W/ TRIA. SPACING. #3, SHEET #41
	HEUCHERA SANGUINEA 'BRESSINGHAM HYBRIDS'	BRESSINGHAM HYBRIDS CORAL BELLS-RED FLOWERS	5 GAL.	109	#3 & 4, SHEET #41
	MAHONIA AQUIFOLIUM 'COMPACTA'	COMPACT OREGON GRAPE	5 GAL.	3	#3 & 4, SHEET #41
	PHOTINIA FRASERI	FRASER'S PHOTINIA	5 GAL.	21	#3 & 4, SHEET #41
	BERBERIS THUNBERGII 'CRIMSON PYGMY'	JAPANESE BARBERRY	1 GAL.	469	PLANT AT 2'-0" O.C. W/ TRIA. SPACING. #3, SHEET #41
<b>GROUNDCOVER</b>					
	BACCHARIS PILULARIS 'PIGION POINT'	DWARF COYOTE BUSH	1 GAL.	2,912	PLANT AT 3'-0" O.C. ALL SLOPE AREAS UNLESS NOTED. #3, SHEET #41
	MULCH: NITROLIZED REDWOOD SHREDDED BARK		3" DEPTH		TOTAL: 27,365 SQFT (254 CY) PLACE IN ALL LANDSCAPE AREAS. (ON SHEET #42 ONLY)
<b>HYDROSEED</b>					
	HYDROSEED SEED MIX	254,199 SQFT			SEE SHEETS #43 & #44 FOR HYDROSEED SEED MIX.

NOTE:  
1) SEE SHEET #45 FOR PLANTING NOTES.



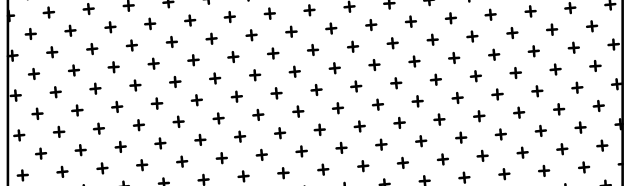
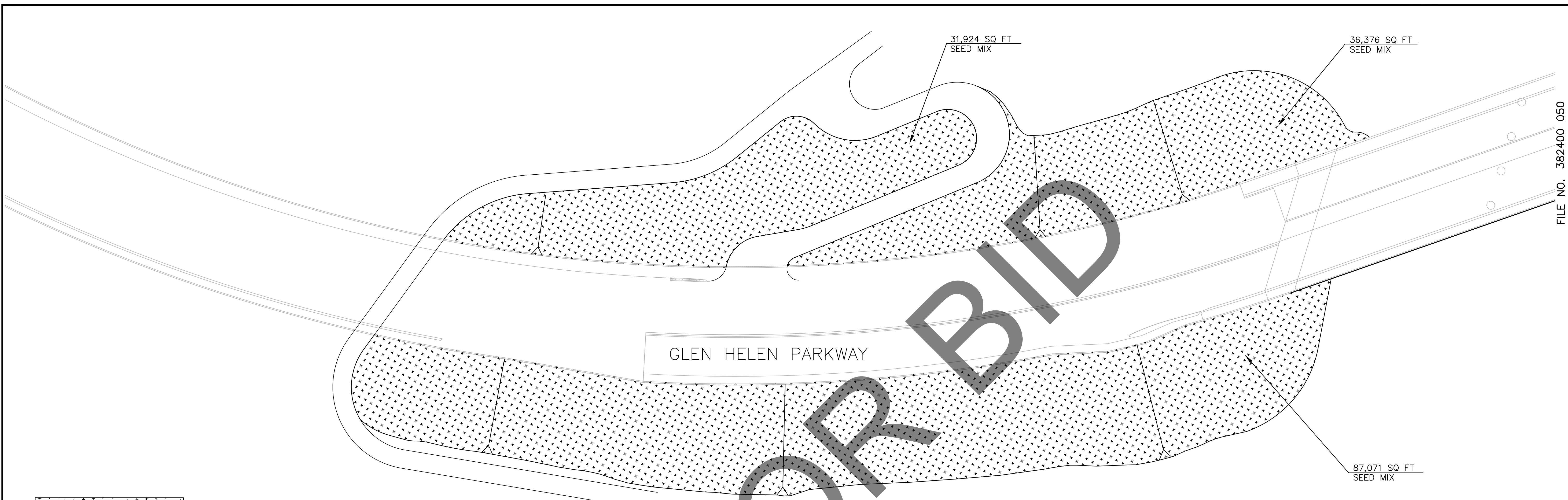
MARK	REVISIONS	DATE
0	RELEASED TO CLIENT	

FILE NO. 382400 050

PLANS PREPARED BY:  TATSUMI AND PARTNERS, INC. LANDSCAPE ARCHITECTS 49 DISCOVERY, SUITE 120 IRVINE, CA 92618 PH 949/453-9900 FAX 949/453-9902 www.tatsumilandscapers.com	FIELD CHANGES NO CHANGES RESIDENT ENGINEER DATE	 REGISTERED LANDSCAPE ARCHITECT DATE 7/29/2024	SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS DESIGNED BY: JO DRAWN BY: JO CHECKED BY: MA RECOMMENDED BY: Chris Nguyen, P.E. ENGINEERING MANAGER DATE 8/15/24 APPROVED BY: Thomas Bustamonte REGISTERED LANDSCAPE ARCHITECT DATE 8/15/24 APPROVED BY: Kervat N. Carrillo, P.E. DEPUTY DIRECTOR DATE 8/15/24	GLEN HELEN PARKWAY BRIDGE OVER CAJON WASH PLANTING PLAN
J.L. REF. 11334	W.O. NO. H14646	DRAWING NO. L-03	SHT. NO. 42	TOT. SHT'S. 102

100% SUBMITTAL





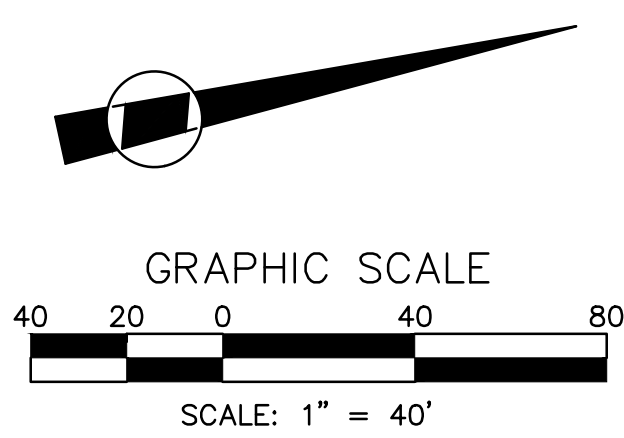
SEED MIX  
TOTAL= 155,371 SQFT (THIS SHEET ONLY)

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM % G)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ARTEMISIA CALIFORNICA (CALIFORNIA SAGEBRUSH)	25	0.1
GUTIERREZIA CALIFORNICA (CALIFORNIA MATCHWEED)	10	0.2
CAMISSONIOPSIS PALLIDA (WHITE EVENING PRIMROSE)	20	0.5
MUHLENBERGIA MICROSPERMA (LITTLESEED MUHLY)	25	1.0
ESCHSCHOLZIA CALIFORNICA (CALIFORNIA POPPY)	40	2.0
LUPINUS BICOLOR (MINIATURE LUPINE)	45	3.0
LASTHENIA CALIFORNICA (DWARF GOLDFIELDS)	25	0.5
ACMISPON GLABER (DEERWEED)	40	4.0
PHACELIA RAMOSISSIMA (BRANCHING PHACELIA)	40	1.5
SALVIA COLUMBARIAE (CHIA)	45	1.5
ERICAMERIA LINEARIFOLIA (INTERIOR GOLDENBUSH)	15	0.2
CROTON CALIFORNICUS (CALIFORNIA CROTON)	15	0.5
ERIOGONUM FASCICULATUM (CALIFORNIA BUCKWHEAT)	5	1.5
		TOTAL: 16.5

HYDROSEED

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE
		DESCRIPTION	TYPE	
STEP 1	HYDROSEED	SEED	SEED MIX	8.5 PLS LBS/ACRE
		FIBER	WOOD	500 LBS/ACRE
STEP 2	HYDROMULCH	FIBER	WOOD	1,500 LBS/ACRE
		TRACKIFIER	PSYLLIUM	150 LBS/ACRE

NOTE:  
1) SEE SHEET #45 FOR PLANTING NOTES.



100% SUBMISSION

NOTE:  
1. CONTRACTOR SHALL ONLY UTILIZE SEEDS PRODUCED IN CALIFORNIA.

REVISIONS	DATE	APPR.

PLANS PREPARED BY:

TATSUJI AND PARTNERS, INC.  
LANDSCAPE ARCHITECTS  
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REGISTERED LANDSCAPE ARCHITECT

SAN BERNARDINO COUNTY  
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: JO  
DRAWN BY: JO  
CHECKED BY: MA  
RECOMMENDED BY: Chris Nguyen, P.E., Engineering Manager, 8/15/24  
APPROVED BY: Thomas Bustamonte, P.E., Supervising Engineer, 8/15/24

GLEN HELEN PARKWAY BRIDGE  
OVER CAJON WASH  
PLANTING PLAN

J.L. REF.	W.O. NO.	DRAWING NO.	SHT. NO.	TOT. SHT'S.
11334	H14646	L-04	43	102