

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.

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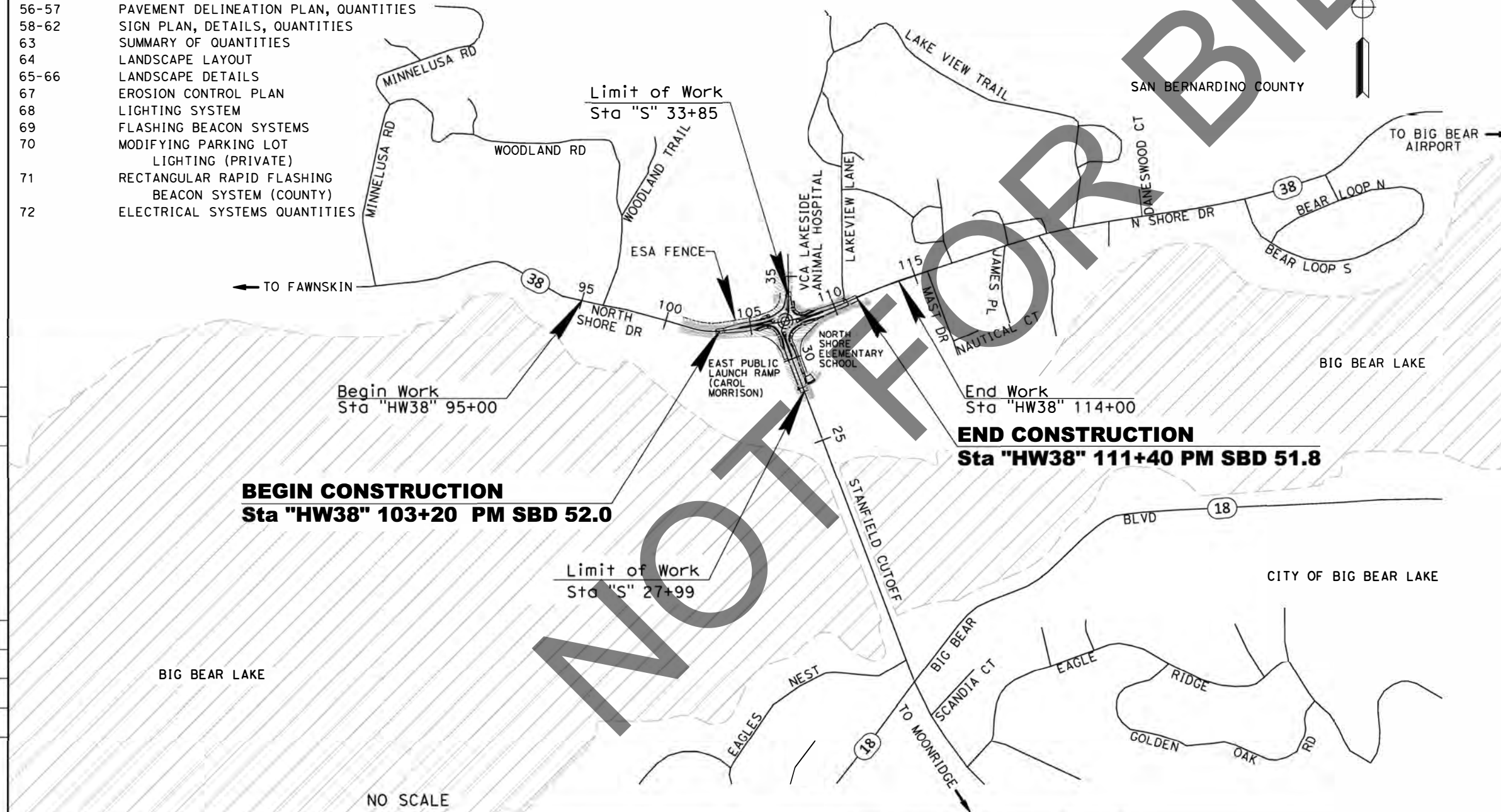
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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SAN BERNARDINO COUNTY
NEAR BIG BEAR LAKE
ON STATE ROUTE 38 AT STANFIELD CUTOFF
 TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2023

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
8	SBd	38	51.9	1	72



REVISION 01/12/2023



BEGIN CONSTRUCTION
Sta "HW38" 103+20 PM SBD 52.0

END CONSTRUCTION
Sta "HW38" 111+40 PM SBD 51.8

NO SCALE

MARK	REVISIONS	DATE

Underground Service Alert

 Call: 811
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB. +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SPSN
 00271. NCV0-29 ELEVATION = 6789.402
 CALTRANS DESIGN OVERSIGHT APPROVAL:
 JUSTIN NIJIP, P.E. 06/27/2024
 CALTRANS DB DESIGN OVERSIGHT DATE

PREPARED BY:

 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA. 916-858-0642
 06/12/24
 MATTHEW ATKINSON, PROJECT MANAGER DATE

MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGNED BY: *Chris Nguyen* 6/26/24 DATE
 TRANSPORTATION DESIGN ENGINEERING MANAGER
 CHECKED BY: *JP* DATE
 THOMAS BUSTAMONTE, P.E. 6/26/24 DATE
 SUPERVISING ENGINEER
 APPROVED BY: *Mervat Mirzail* 6/26/2024 DATE
 DEPUTY DIRECTOR

TITLE SHEET
 NO SCALE
 STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT
 BIG BEAR AREA

ROAD NO.
 W.O. NO.
 H15055
 SHEET 1 OF 72

NOTES:

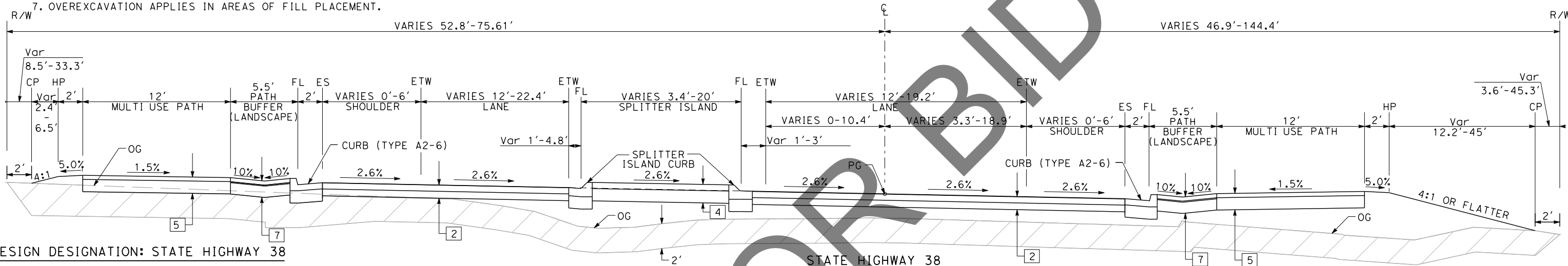
- FOR SECTION LOCATIONS, SEE SHEET PC-1.
- FOR DETAILS NOT SHOWN, SEE CONSTRUCTION DETAILS.
- FOR PATH BUFFER MATERIAL, SEE LANDSCAPE LAYOUT.
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
- ALL CP/HP TO BE SLOPE ROUNDED, SEE CALTRANS STD PLANS 2023.
- OVEREXCAVATION APPLIES IN AREAS OF FILL PLACEMENT.

DESIGN DESIGNATION: STANFIELD CUTOFF

ADT (2023)	5,390	D	50%
ADT (2043)	5,860	T	3.50%
DHV	1,120	V	35 MPH
ESAL		TI	9.5

LEGEND:

 OVER EXCAVATE



DESIGN DESIGNATION: STATE HIGHWAY 38

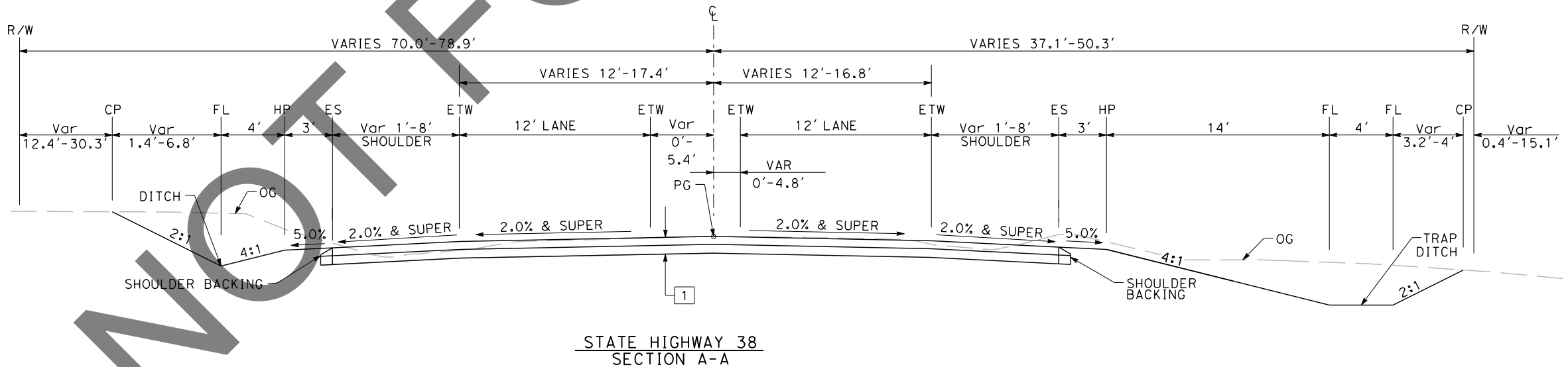
ADT (2023)	5,390	D	50%
ADT (2043)	5,860	T	3.50%
DHV	1,120	V	40 MPH
ESAL		TI	9.5
ROUNDBOUT DESIGN SPEED 25 MPH			

PAVEMENT CLIMATE REGION


SOUTH MOUNTAIN

TYPICAL PAVEMENT STRUCTURAL SECTIONS

- 1 = 0.60' HMA (TYPE A)
0.55' CL 2 AB
- 2 = 0.02' HIGH FRICTION SURFACE TREATMENT (HFST)
0.60' HMA (TYPE A)
0.55' CL 2 AB
- 3 = 0.67' JPCP
1.00' CL 2 AB
- 4 = 0.50' MINOR CONCRETE (ISLAND PAVING)
1.00' CL 2 AB
- 5 = 0.33' MINOR CONCRETE (SIDEWALK)
1.00' CL 2 AB
- 6 = 0.33' MINOR CONCRETE (CURB RAMP)
1.00' CL 2 AB
- 7 = 0.33' PERMEABLE PAVERS
0.08' SAND BEDDING
0.92' CL 2 AB



EXISTING PAVEMENT STRUCTURAL SECTIONS

 Exist
6.5" AC
7.5" AB

X-1

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 TIME PLOTTED => 2:57:48 PM
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REVISION 01/12/2023

MARK	REVISIONS	DATE

Underground Service Alert



Call: 811

TWO WORKING DAYS BEFORE YOU DIG

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EASTERLY FROM INTERSECTION HWY 38 &
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00271. NGVD-29 ELEVATION = 6789.402


PREPARED BY:



110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

06/12/24
DATE

MATTHEW ATKINSON, PROJECT MANAGER



NO. 82099

CIVIL

STATE OF CALIFORNIA

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *Chris Nguyen* 6/26/24
DATE

CHRIS NGUYEN, P.E.
TRANSPORTATION DESIGN ENGINEERING MANAGER

DRAWN BY: *JP*
DATE

THOMAS BUSTAMONTE, P.E.
SUPERVISING ENGINEER

CHECKED BY: *LK*
DATE

APPROVED BY: *Thomas Bustamonte* 6/26/24
DATE

MEHMET MIKHAIL, P.E.
DEPUTY DIRECTOR

TYPICAL SECTIONS
NO SCALE

STATE HIGHWAY 38
STANFIELD CUTOFF
ROUNDBOUT

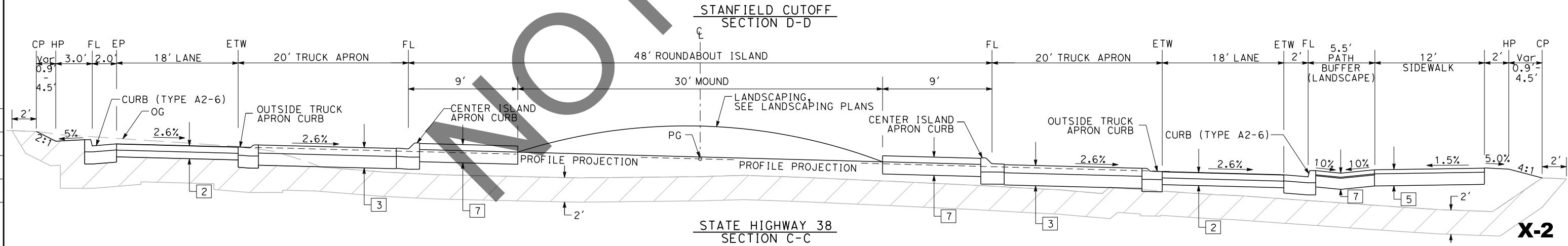
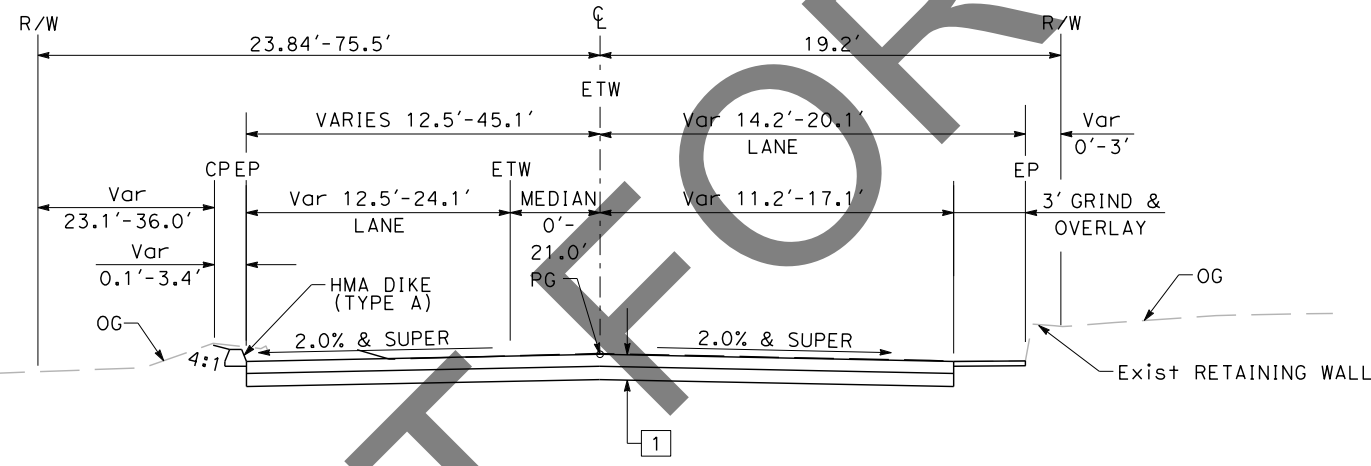
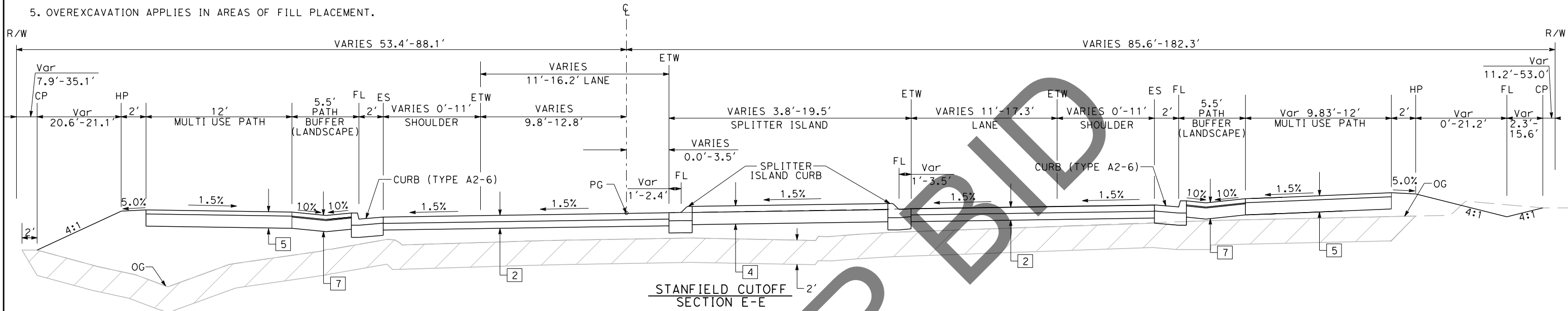
BIG BEAR AREA

ROAD NO.
W.O. NO.
H15055

SHEET 2 OF 72

NOTES:

1. FOR DETAILS NOT SHOWN, SEE CONSTRUCTION DETAILS.
2. SUPERELEVATIONS SHOWN ON SUPERELEVATION DIAGRAM.
3. ALL CP/HP TO BE SLOPE ROUNDED, SEE CALTRANS S+D PLANS 2022.
4. FOR PATH BUFFER MATERIAL, SEE LANDSCAPING PLANS
5. OVEREXCAVATION APPLIES IN AREAS OF FILL PLACEMENT.



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MATTHEW ATKINSON, PROJECT MANAGER

06/12/24 DATE

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SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *Chris Nguyen* 6/26/24 DATE
 TRANSPORTATION DESIGN ENGINEERING MANAGER

DRAWN BY: *JP* DATE
 CHECKED BY: *LK* DATE

APPROVED BY: *Thomas Bustamonte* 6/26/24 DATE
 THOMAS BUSTAMONTE, P.E., SUPERVISING ENGINEER

APPROVED BY: *Mervin Mikhail* 6/26/2024 DATE
 MERVIN MIKHAIL, P.E., DEPUTY DIRECTOR

TYPICAL SECTIONS
 NO SCALE

STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT

BIG BEAR AREA

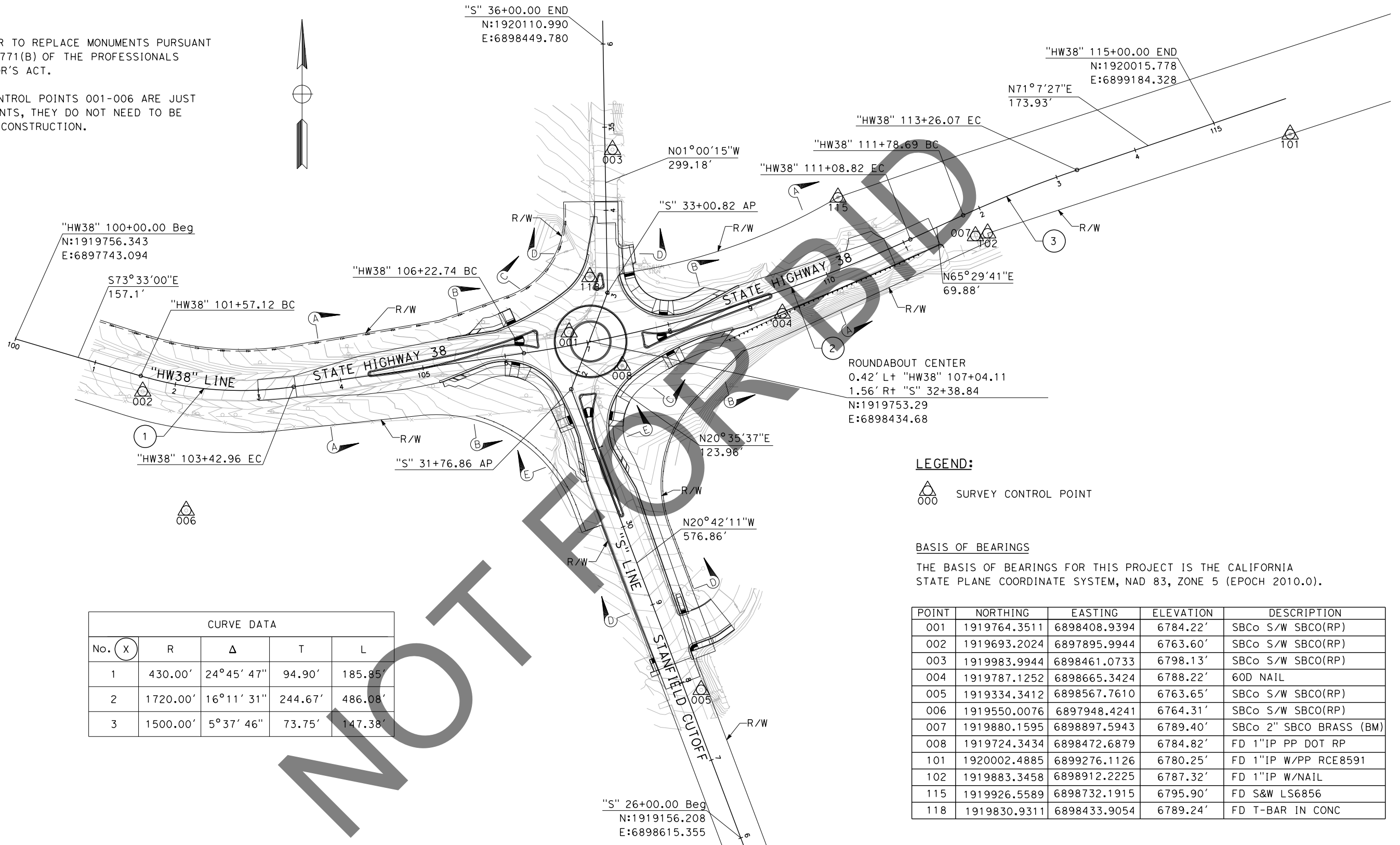
ROAD NO.
 W.O. NO.
 H15055

SHEET 3 OF 72

X-2

NOTES:

- 1. CONTRACTOR TO REPLACE MONUMENTS PURSUANT TO SECTION 8771(B) OF THE PROFESSIONALS LAND SURVEYOR'S ACT.
- 2. SURVEY CONTROL POINTS 001-006 ARE JUST TRAVERSE POINTS, THEY DO NOT NEED TO BE RESET AFTER CONSTRUCTION.



REVISION 01/12/2023

CURVE DATA				
No.	R	Δ	T	L
1	430.00'	24°45' 47"	94.90'	185.85'
2	1720.00'	16°11' 31"	244.67'	486.08'
3	1500.00'	5°37' 46"	73.75'	147.38'

LEGEND:

△ 000 SURVEY CONTROL POINT

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS PROJECT IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, NAD 83, ZONE 5 (EPOCH 2010.0).

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
001	1919764.3511	6898408.9394	6784.22'	SBCo S/W SBCO(RP)
002	1919693.2024	6897895.9944	6763.60'	SBCo S/W SBCO(RP)
003	1919983.9944	6898461.0733	6798.13'	SBCo S/W SBCO(RP)
004	1919787.1252	6898665.3424	6788.22'	60D NAIL
005	1919334.3412	6898567.7610	6763.65'	SBCo S/W SBCO(RP)
006	1919550.0076	6897948.4241	6764.31'	SBCo S/W SBCO(RP)
007	1919880.1595	6898897.5943	6789.40'	SBCo 2" SBCO BRASS (BM)
008	1919724.3434	6898472.6879	6784.82'	FD 1"IP PP DOT RP
101	1920002.4885	6899276.1126	6780.25'	FD 1"IP W/PP RCE8591
102	1919883.3458	6898912.2225	6787.32'	FD 1"IP W/NAIL
115	1919926.5589	6898732.1915	6795.90'	FD S&W LS6856
118	1919830.9311	6898433.9054	6789.24'	FD T-BAR IN CONC

PC-1

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PREPARED BY:

 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA. 916-858-0642
 MATTHEW ATKINSON, PROJECT MANAGER 06/12/24 DATE

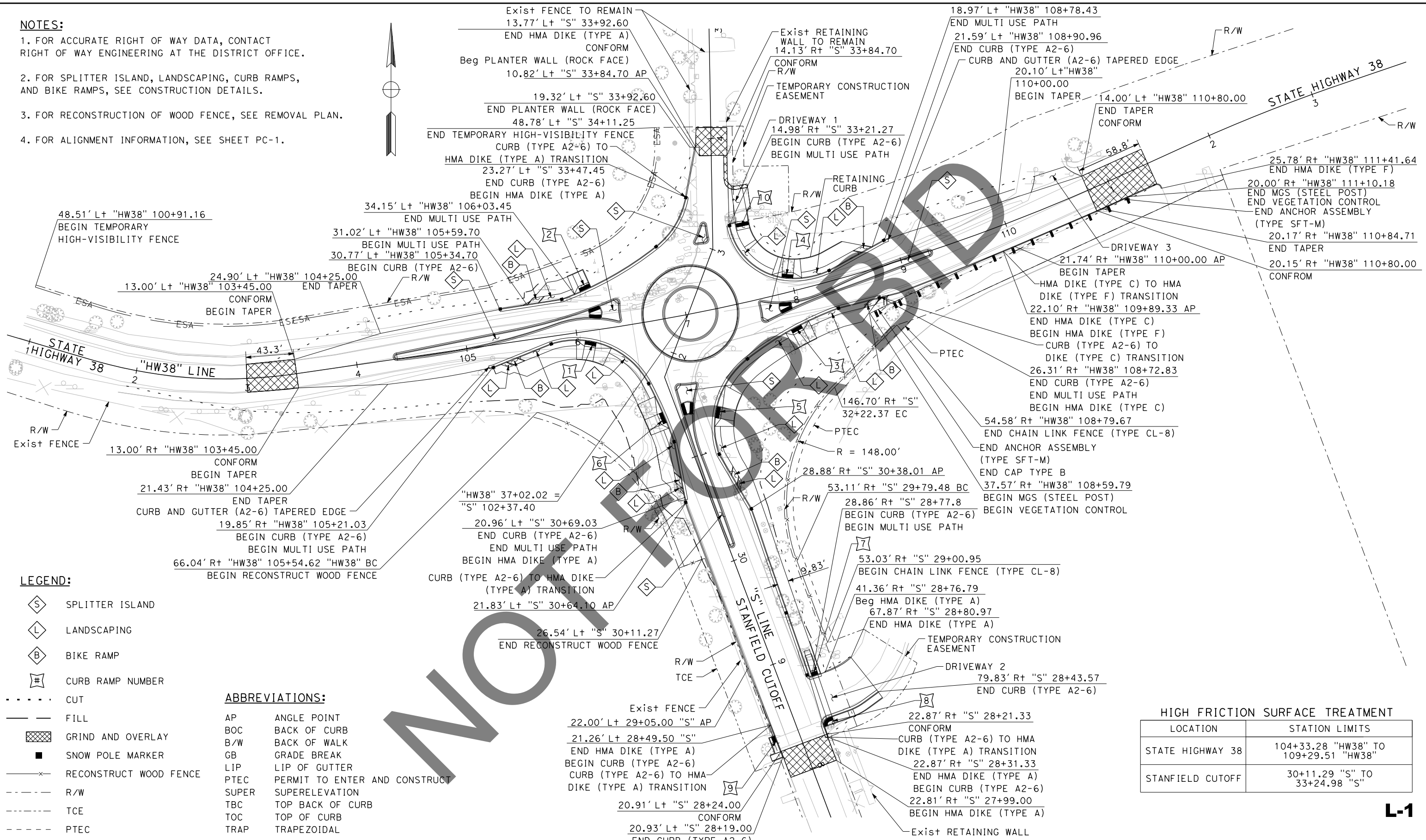
SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGNED BY: DATE: 6/26/24
 TRANSPORTATION DESIGN ENGINEERING MANAGER
 DRAWN BY: JP
 CHECKED BY: LK
 APPROVED BY: DATE: 6/26/24
 THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER
 MERVAT MUKHAIL, P.E. DEPUTY DIRECTOR DATE: 06/26/24

PROJECT CONTROL
 SCALE: 1"=60'
 STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT
 BIG BEAR AREA

ROAD NO.
 W.O. NO. H15055
 SHEET 4 OF 72

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR SPLITTER ISLAND, LANDSCAPING, CURB RAMPS, AND BIKE RAMPS, SEE CONSTRUCTION DETAILS.
3. FOR RECONSTRUCTION OF WOOD FENCE, SEE REMOVAL PLAN.
4. FOR ALIGNMENT INFORMATION, SEE SHEET PC-1.



LEGEND:

- SPLITTER ISLAND
- LANDSCAPING
- BIKE RAMP
- CURB RAMP NUMBER
- CUT
- FILL
- GRIND AND OVERLAY
- SNOW POLE MARKER
- RECONSTRUCT WOOD FENCE
- R/W
- TCE
- PTEC

ABBREVIATIONS:

- AP ANGLE POINT
- BOC BACK OF CURB
- B/W BACK OF WALK
- GB GRADE BREAK
- LIP LIP OF GUTTER
- PTEC PERMIT TO ENTER AND CONSTRUCT
- SUPER SUPERELEVATION
- TBC TOP BACK OF CURB
- TOC TOP OF CURB
- TRAP TRAPEZOIDAL

HIGH FRICTION SURFACE TREATMENT

LOCATION	STATION LIMITS
STATE HIGHWAY 38	104+33.28 "HW38" TO 109+29.51 "HW38"
STANFIELD CUTOFF	30+11.29 "S" TO 33+24.98 "S"

L-1

REVISION 01/12/2023
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Underground Service Alert

Call: 811

TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
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 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

MATTHEW ATKINSON, PROJECT MANAGER

06/12/24 DATE

MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *RS* DATE: 6/26/24
 DRAWN BY: *JP* DATE: 6/26/24
 CHECKED BY: *LK* DATE: 6/26/24

APPROVED BY: *Thomas Bustamonte* DATE: 6/26/24
 THOMAS BUSTAMONTE, P.E., SUPERVISING ENGINEER

APPROVED BY: *Mervat Mikhail* DATE: 6/26/24
 MERVAT MIKHAIL, P.E., DEPUTY DIRECTOR

LAYOUT
 SCALE: 1"=40'

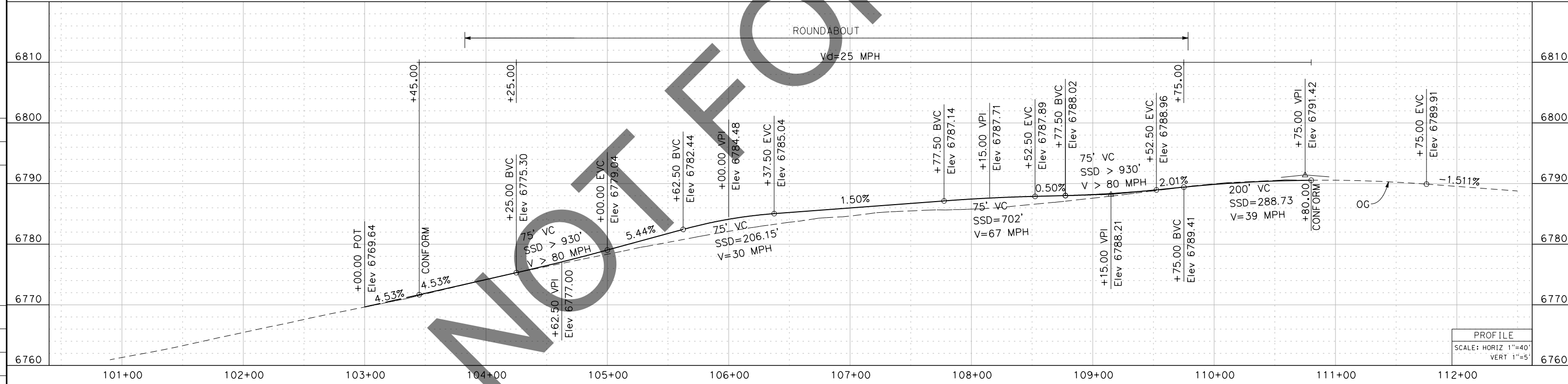
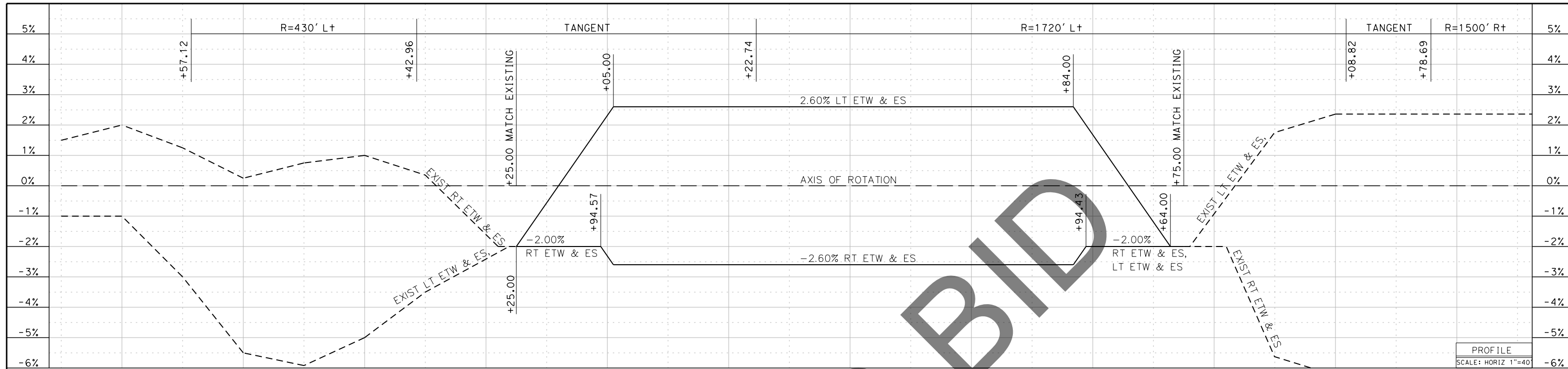
STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT

BIG BEAR AREA

ROAD NO. _____
 W.O. NO. H15055
 SHEET 5 OF 72

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STATE HIGHWAY 38
 "HW38" LINE

PS-1

Underground Service Alert+

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PREPARED BY:

 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642
 MATTHEW ATKINSON, PROJECT MANAGER
 06/12/24
 DATE

MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *Chris Nguyen* 6/26/24
 DATE
 TRANSPORTATION DESIGN ENGINEERING MANAGER

CHRS NGUYEN, P.E.
 THOMAS BUSTAMONTE, P.E.
 SUPERVISING ENGINEER

DRAWN BY: *JP*
 DATE
 CHECKED BY: *LK*
 DATE

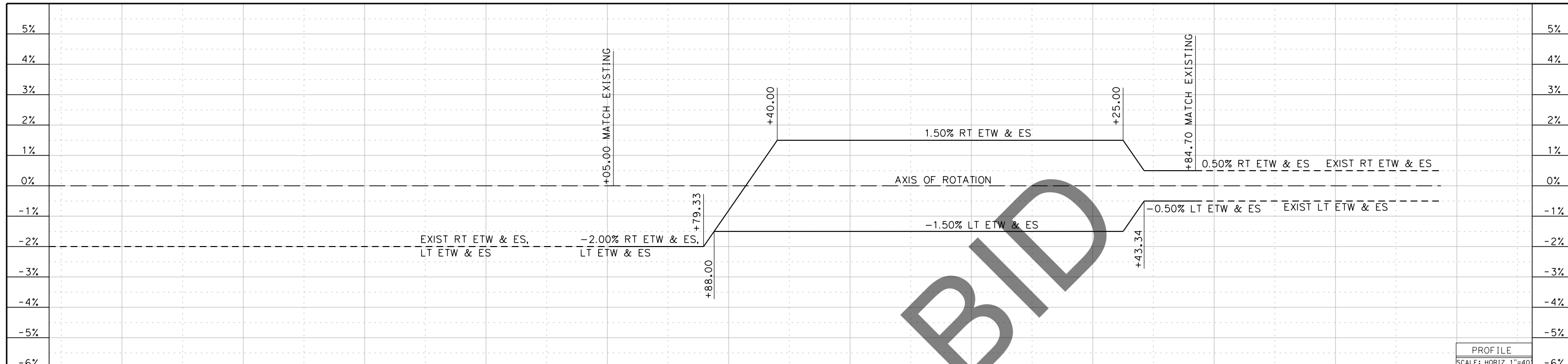
APPROVED BY: *Mervat Mikhail* 6/26/2024
 DATE
 MERVAT MIKHAIL, P.E.
 DEPUTY DIRECTOR

PROFILE & SUPERELEVATION
 SCALE: 1"=40'
 STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT
 BIG BEAR AREA

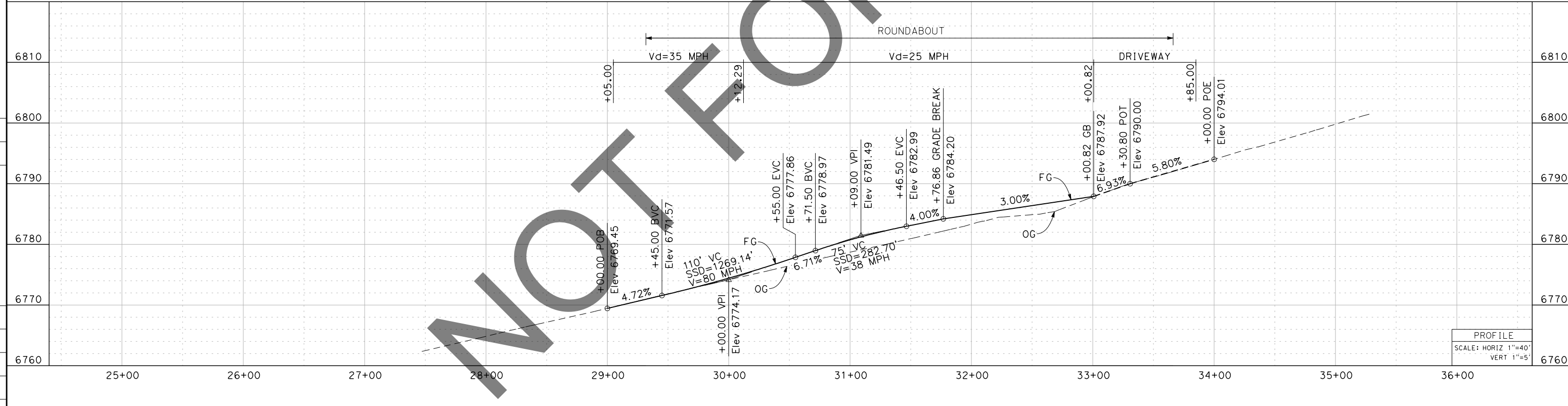
ROAD NO.
 W.O. NO.
 H15055
 SHEET 6 OF 72

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MARK	REVISIONS	APPR.	DATE



MARK	REVISIONS	APPR.	DATE

STANFIELD CUTOFF
"S" LINE





PS-2

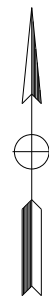
<p>Underground Service Alert Call: 811 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY: DOKKEN ENGINEERING 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA. 916-858-0642 MATTHEW ATKINSON, PROJECT MANAGER 06/12/24 DATE</p>		<table border="1"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	REVISIONS	APPR.	DATE					<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p>	<p>PROFILE & SUPERELEVATION SCALE: 1"=40'</p>	<p>ROAD NO. STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT BIG BEAR AREA</p>
					MARK	REVISIONS	APPR.	DATE							
<p>DESIGNED BY: <i>Chris Nguyen</i> 6/26/24 DATE CHRIS NGUYEN, P.E. TRANSPORTATION DESIGN ENGINEERING MANAGER</p> <p>APPROVED BY: <i>Thomas Bustamonte</i> 6/26/24 DATE THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</p>	<p>DESIGNED BY: <i>RS</i> 6/26/24 DATE DRAWN BY: <i>JP</i> 6/26/24 DATE CHECKED BY: <i>LK</i> 6/26/24 DATE</p> <p>APPROVED BY: <i>Mervat Mirhail</i> 6/26/24 DATE MERVAT MIRHAIL, P.E. DEPUTY DIRECTOR</p>	<p>W.O. NO. H15055</p> <p>SHEET 7 OF 72</p>													

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:

-  REMOVE TREE
-  OBLITERATE SURFACING
-  REMOVE CONCRETE SIDEWALK
-  RECONSTRUCT WOOD FENCE



13.77' Lt "S" 33+84.70
END REMOVE PLANTER WALL (PORTION)

19.32' Lt "S" 33+92.60
END REMOVE FENCE

13.75' Lt "S" 33+25.60
BEGIN REMOVE PLANTER WALL (PORTION)

19.16' Lt "S" 33+24.97
BEGIN REMOVE FENCE

Exist RETAINING WALL TO REMAIN

R/W

TEMPORARY CONSTRUCTION EASEMENT

STATE HIGHWAY 38

"HW38" LINE
STATE HIGHWAY 38

11.83' Rt "HW38" 105+22.21
BEGIN REMOVE ASPHALT CONCRETE DIKE

66.04' Rt "HW38" 105+54.62 "HW38" BC
BEGIN RECONSTRUCT WOOD FENCE

R = 180'

43.84' Lt "S" 30+11.28 EC

43.84' Lt "S" 30+38.39 AP

26.54' Lt "S" 30+11.27
END RECONSTRUCT WOOD FENCE

TCE

R/W

"S" LINE
STANFIELD CUTOFF

67.87' Rt "S" 28+80.97
BEGIN REMOVE ASPHALT CONCRETE DIKE

TEMPORARY CONSTRUCTION EASEMENT

78.83' Rt "S" 28+43.57
END REMOVE CONCRETE (CURB AND GUTTER)
END REMOVE CONCRETE (SIDEWALK)

22.91' Rt "S" 28+31.33
BEGIN REMOVE CONCRETE (CURB AND GUTTER)
BEGIN REMOVE CONCRETE (SIDEWALK)

20.93' Lt "S" 28+19.00
END REMOVE ASPHALT CONCRETE DIKE


NOT FOR CONSTRUCTION

REVISION 01/12/2023

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RV-1

Underground Service Alert



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110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

06/12/24
MATTHEW ATKINSON, PROJECT MANAGER



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *Chris Nguyen* 6/26/24
DATE: 6/26/24
TRANSPORTATION DESIGN ENGINEERING MANAGER

DRAWN BY: *JP*
DATE: 6/26/24
SUPERVISING ENGINEER

CHECKED BY: *LK*
DATE: 6/26/24
DEPUTY DIRECTOR

APPROVED BY: *Thomas Bustamonte* 6/26/24
DATE: 6/26/24
SUPERVISING ENGINEER

REMOVAL PLAN
SCALE: 1"=40'

STATE HIGHWAY 38
STANFIELD CUTOFF
ROUNDBOUT

BIG BEAR AREA

ROAD NO. _____

W.O. NO.
H15055

SHEET 8 OF 72

USERNAME => dnucl
 DGN FILE => 25537g001.dgn
 DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:57:54 PM

- NOTES:**
- FOR FLOWLINE ELEVATIONS, OTHER THAN SPLITTER ISLANDS, SEE SHEETS C5-C8
 - FOR CURB RAMP AND BIKE RAMP DETAILS, SEE SHEETS C9-C12
 - FOR CURB TAPERED EDGE, SEE SHEET C-14

SH38

CURVE DATA

No.	LOCATION	ELEVATION
32	36.76' Lt "HW38" 105+83.09	6784.64
33	37.36' Lt "HW38" 105+93.11	6785.14
34	39.06' Lt "HW38" 106+00.42	6785.42
36	41.62' Lt "HW38" 105+72.06	6784.19
37	48.73' Lt "HW38" 105+80.37	6784.70
38	48.83' Lt "HW38" 105+89.34	6785.16
39	50.43' Lt "HW38" 105+96.41	6785.55

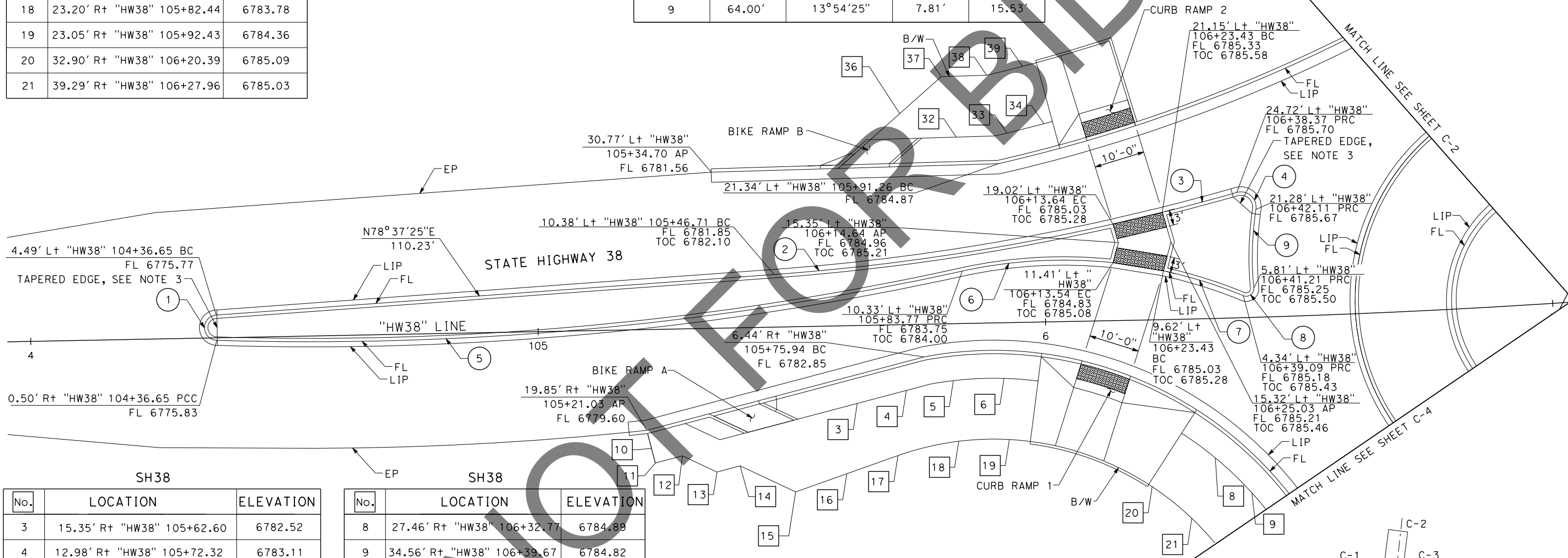
No.	R	Δ	T	L
1	2.50'	174°4'30"	48.31'	7.60'
2	451.00'	8°34'52"	33.84	67.55
3	451.00'	1°55'36"	7.58'	15.17'
4	3.00'	114°29'24"	4.66'	6.00'
5	599.00'	14°08'47"	74.33'	147.89'
6	93.00'	18°25'46"	15.09'	29.91'
7	93.00'	10°09'42"	8.27'	16.49'
8	1.50'	117°45'24"	2.48'	3.08'
9	64.00'	13°54'25"	7.81'	15.53'

LEGEND:

DETECTABLE WARNING SURFACE

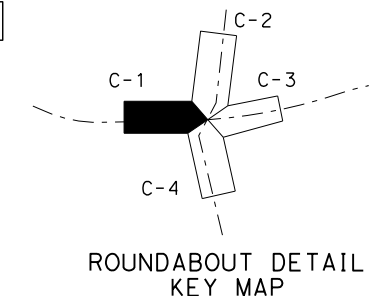


No.	LOCATION	ELEVATION
15	32.57' Rt "HW38" 105+50.11	6781.78
16	29.19' Rt "HW38" 105+60.26	6782.38
17	25.80' Rt "HW38" 105+70.41	6783.00
18	23.20' Rt "HW38" 105+82.44	6783.78
19	23.05' Rt "HW38" 105+92.43	6784.36
20	32.90' Rt "HW38" 106+20.39	6785.09
21	39.29' Rt "HW38" 106+27.96	6785.03



No.	LOCATION	ELEVATION
3	15.35' Rt "HW38" 105+62.60	6782.52
4	12.98' Rt "HW38" 105+72.32	6783.11
5	11.22' Rt "HW38" 105+81.62	6783.65
6	10.98' Rt "HW38" 105+91.61	6784.13

No.	LOCATION	ELEVATION
8	27.46' Rt "HW38" 106+32.77	6784.89
9	34.56' Rt "HW38" 106+39.67	6784.82
10	23.42' Rt "HW38" 105+21.90	6779.94
11	26.33' Rt "HW38" 105+22.61	6779.83
12	25.03' Rt "HW38" 105+27.95	6780.34
13	28.35' Rt "HW38" 105+34.69	6780.71
14	27.23' Rt "HW38" 105+39.29	6781.12



C-1

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

Underground Service Alert

Call: 811

TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB, +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SPSN
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

06/12/24
 MATTHEW ATKINSON, PROJECT MANAGER



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *Chris Nguyen* 6/26/24
 DATE: 6/26/24
 TRANSPORTATION DESIGN ENGINEERING MANAGER

APPROVED BY: *Thomas Bustamonte* 6/26/24
 DATE: 6/26/24
 SUPERVISING ENGINEER

CHECKED BY: *Mervat Mikhail* 6/26/24
 DATE: 6/26/24
 DEPUTY DIRECTOR

CONSTRUCTION DETAILS
 SCALE: 1"=10'

STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT

BIG BEAR AREA

ROAD NO.	
W.O. NO.	H15055
SHEET	9 OF 72

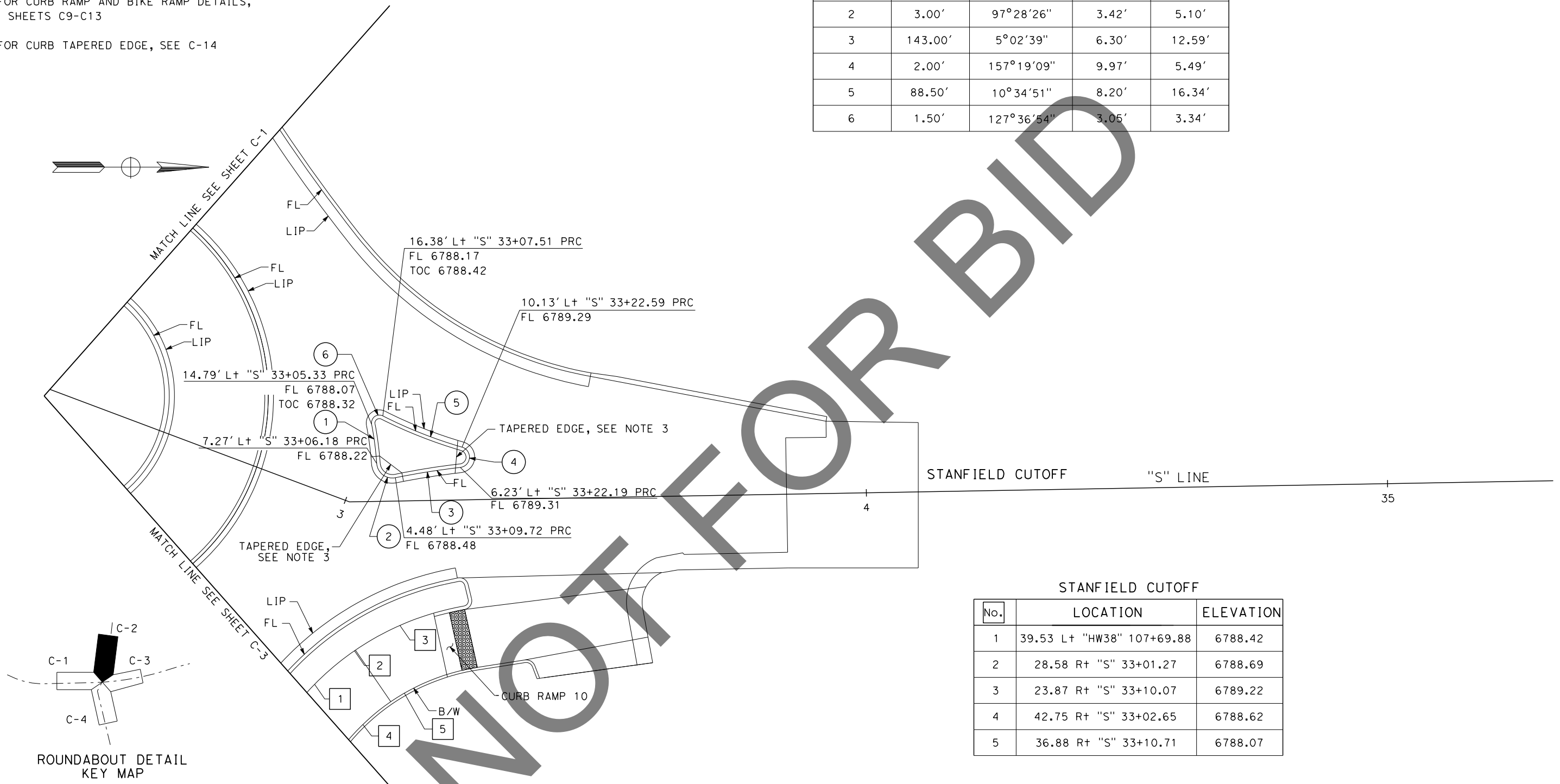
DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:57:55 PM
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 DGN FILE => 25539d001.dgn

NOTES:

1. FOR FLOWLINE ELEVATIONS, OTHER THAN SPLITTER ISLANDS, SEE SHEETS C5-C8
2. FOR CURB RAMP AND BIKE RAMP DETAILS, SEE SHEETS C9-C13
3. FOR CURB TAPERED EDGE, SEE C-14

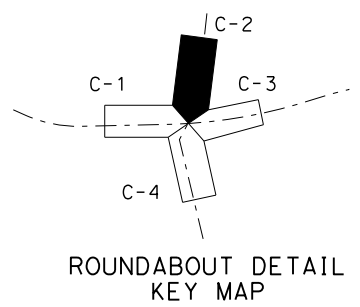
CURVE DATA

No.	R	Δ	T	L
1	64.00'	6°46'57"	3.79'	7.58'
2	3.00'	97°28'26"	3.42'	5.10'
3	143.00'	5°02'39"	6.30'	12.59'
4	2.00'	157°19'09"	9.97'	5.49'
5	88.50'	10°34'51"	8.20'	16.34'
6	1.50'	127°36'54"	3.05'	3.34'



STANFIELD CUTOFF

No.	LOCATION	ELEVATION
1	39.53 Lt "HW38" 107+69.88	6788.42
2	28.58 Rt "S" 33+01.27	6788.69
3	23.87 Rt "S" 33+10.07	6789.22
4	42.75 Rt "S" 33+02.65	6788.62
5	36.88 Rt "S" 33+10.71	6788.07



C-2

DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:57:56 PM
 USERNAME => dnucl
 DGN FILE => 25539d002.dgn

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

Underground Service Alert

Call: 811

TWO WORKING DAYS BEFORE YOU DIG

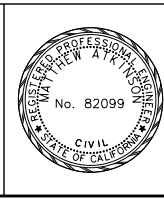
BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB, +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SPSN
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

MATTHEW ATKINSON, PROJECT MANAGER

06/12/24 DATE



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: Chris Nguyen 6/26/24 DATE
 TRANSPORTATION DESIGN ENGINEERING MANAGER

THOMAS BUSTAMONTE, P.E. 6/26/24 DATE
 SUPERVISING ENGINEER

DESIGNED BY: RS DRAWN BY: JP CHECKED BY: LK

APPROVED BY: Mervat Mirhail 6/26/2024 DATE
 DEPUTY DIRECTOR

CONSTRUCTION DETAILS

SCALE: 1"=10'

STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT

BIG BEAR AREA

ROAD NO. _____

W.O. NO. H15055

SHEET 10 OF 72

NOTES:

- 1. FOR FLOWLINE ELEVATIONS, OTHER THAN SPLITTER ISLANDS, SEE SHEETS C5-C8
- 2. FOR CURB RAMP AND BIKE RAMP DETAILS, SEE SHEETS C9-C13
- 3. FOR CURB TAPERED EDGE, SEE SHEET C-13

SH38

No.	LOCATION	ELEVATION
1	31.12 Rt "HW38" 108+54.10	6787.69
2	30.84 Rt "HW38" 108+44.28	6787.64
3	30.62 Rt "HW38" 108+34.46	6787.57
4	31.04 Rt "HW38" 108+29.99	6787.53
5	32.51 Rt "HW38" 108+18.44	6787.40
6	34.18 Rt "HW38" 108+08.77	6787.25
7	40.33 Rt "HW38" 107+84.08	6786.74

SH38

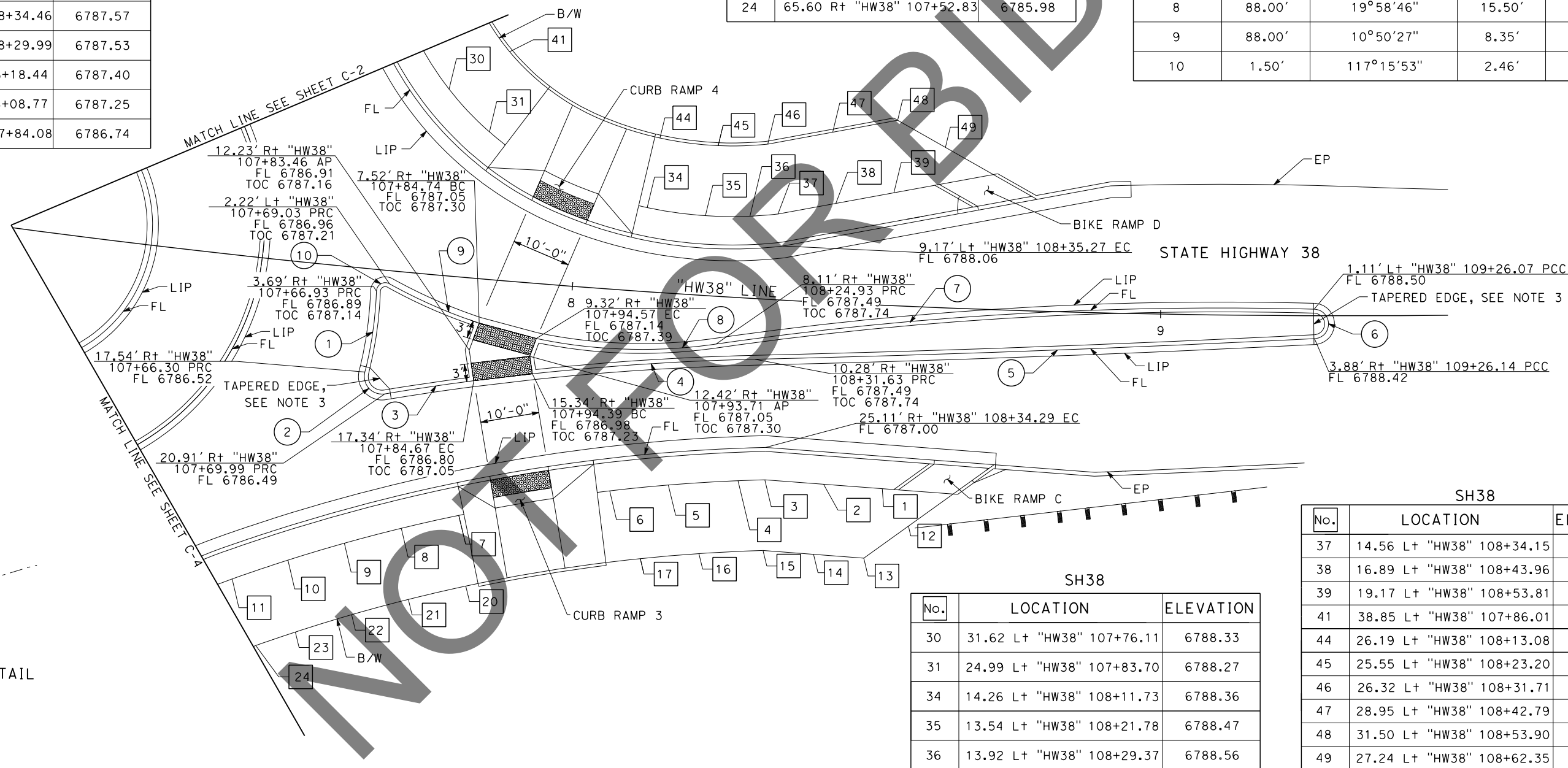
No.	LOCATION	ELEVATION
8	43.39 Rt "HW38" 107+74.78	6786.50
9	46.82 Rt "HW38" 107+65.63	6786.27
10	50.62 Rt "HW38" 107+56.64	6786.03
11	54.78 Rt "HW38" 107+47.81	6785.80
12	37.28 Rt "HW38" 108+58.71	6787.81
13	43.05 Rt "HW38" 108+51.55	6787.86
14	42.82 Rt "HW38" 108+43.22	6787.77

SH38

No.	LOCATION	ELEVATION
15	42.63 Rt "HW38" 108+34.83	6787.75
16	43.79 Rt "HW38" 108+24.25	6787.63
17	45.29 Rt "HW38" 108+14.61	6787.49
20	52.20 Rt "HW38" 107+86.24	6786.89
21	55.29 Rt "HW38" 107+77.02	6786.64
22	58.77 Rt "HW38" 107+67.94	6786.40
23	62.63 Rt "HW38" 107+59.03	6786.15
24	65.60 Rt "HW38" 107+52.83	6785.98

CURVE DATA

No.	R	Δ	T	L
1	64.00'	12°26'21"	6.98'	13.90'
2	3.00'	113°40'47"	4.59'	5.95'
3	451.00'	1°56'24"	7.64'	15.27'
4	451.00'	4°48'40"	18.95'	37.87'
5	3499.00'	1°33'27"	47.56'	95.11'
6	2.50'	175°34'38"	64.74'	7.66'
7	599.00'	9°44'40"	51.06'	101.87'
8	88.00'	19°58'46"	15.50'	30.69'
9	88.00'	10°50'27"	8.35'	16.65'
10	1.50'	117°15'53"	2.46'	3.07'



SH38

No.	LOCATION	ELEVATION
30	31.62 Lt "HW38" 107+76.11	6788.33
31	24.99 Lt "HW38" 107+83.70	6788.27
34	14.26 Lt "HW38" 108+11.73	6788.36
35	13.54 Lt "HW38" 108+21.78	6788.47
36	13.92 Lt "HW38" 108+29.37	6788.56

SH38

No.	LOCATION	ELEVATION
37	14.56 Lt "HW38" 108+34.15	6788.62
38	16.89 Lt "HW38" 108+43.96	6788.72
39	19.17 Lt "HW38" 108+53.81	6788.83
41	38.85 Lt "HW38" 107+86.01	6788.50
44	26.19 Lt "HW38" 108+13.08	6788.53
45	25.55 Lt "HW38" 108+23.20	6788.67
46	26.32 Lt "HW38" 108+31.71	6788.79
47	28.95 Lt "HW38" 108+42.79	6788.92
48	31.50 Lt "HW38" 108+53.90	6789.04
49	27.24 Lt "HW38" 108+62.35	6789.02

ROUNDABOUT DETAIL KEY MAP

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

Underground Service Alert

Call: 811

TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB, +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SP5N
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

DOKKEN ENGINEERING

110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

06/12/24
 MATTHEW ATKINSON, PROJECT MANAGER

Professional Engineer Seal: **CHRIS NGUYEN**, No. 82099, CIVIL, STATE OF CALIFORNIA

Professional Engineer Seal: **Thomas Bustamonte**, No. 82099, CIVIL, STATE OF CALIFORNIA

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: **CHRIS NGUYEN**, 6/26/24
 TRANSPORTATION DESIGN ENGINEERING MANAGER

APPROVED BY: **Thomas Bustamonte**, 6/26/24
 SUPERVISING ENGINEER

DRAWN BY: **JP**
 CHECKED BY: **LK**

APPROVED BY: **Mervat Mikhail**, 6/26/2024
 DEPUTY DIRECTOR

CONSTRUCTION DETAILS

SCALE: 1"=10'

STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT

BIG BEAR AREA

ROAD NO. H15055

W.O. NO. H15055

SHEET 11 OF 72

C-3

DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:57:57 PM
 USERNAME => dnucl
 DGN FILE => 25539d003.dgn

NOTES:

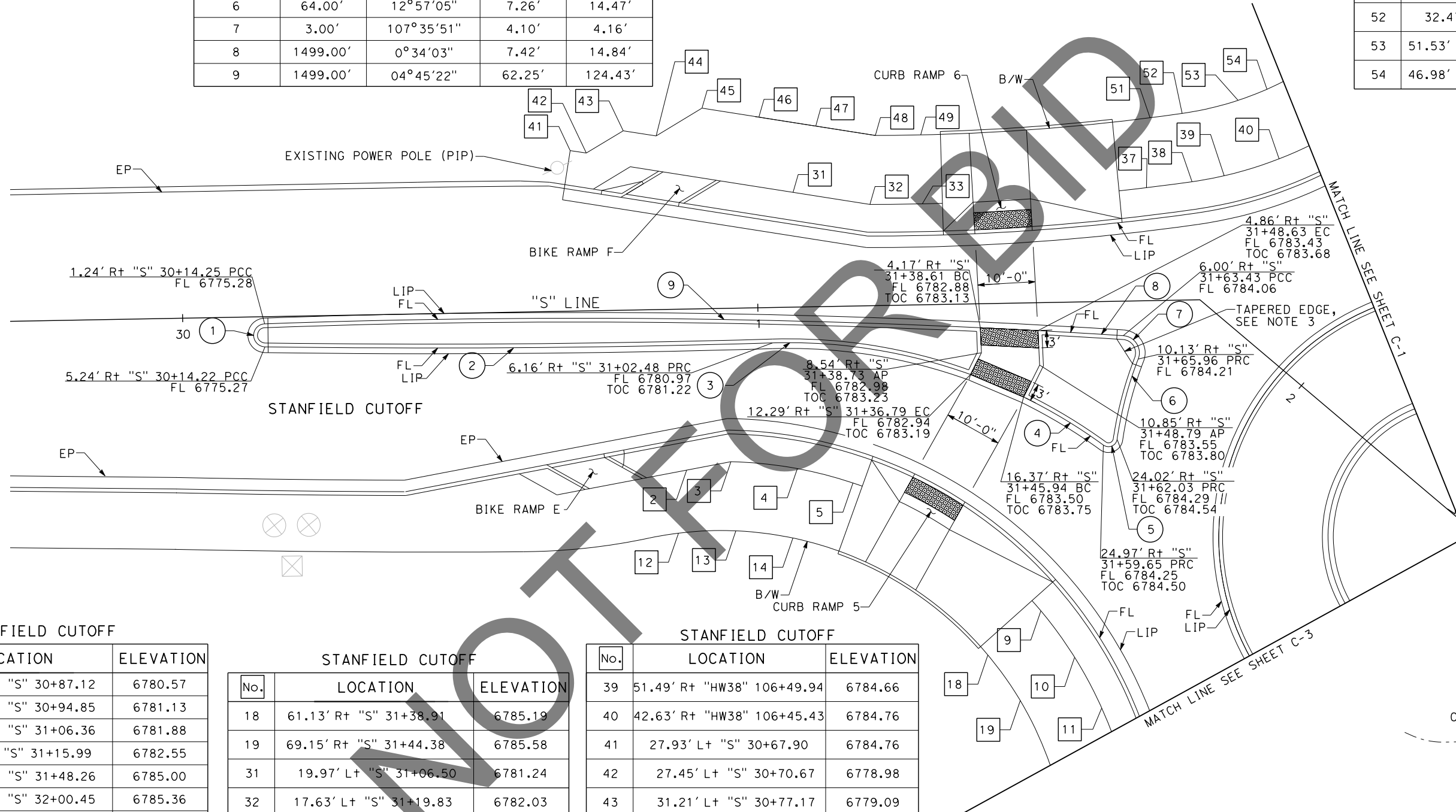
- FOR FLOWLINE ELEVATIONS, OTHER THAN SPLITTER ISLANDS, SEE SHEETS C5-C8
- FOR CURB RAMP AND BIKE RAMP DETAILS, SEE SHEETS C9-C13
- FOR CURB TAPERED EDGE, SEE SHEET C-13

CURVE DATA

No.	R	Δ	T	L
1	2.00'	177°6'36"	79.29'	6.18'
2	1999.00'	2°31'48"	44.14'	88.27'
3	93.00'	21°35'56"	17.74'	35.06'
4	93.00'	09°59'04"	8.12'	16.21'
5	1.50'	117°45'52"	2.49'	3.08'
6	64.00'	12°57'05"	7.26'	14.47'
7	3.00'	107°35'51"	4.10'	4.16'
8	1499.00'	0°34'03"	7.42'	14.84'
9	1499.00'	04°45'22"	62.25'	124.43'

STANFIELD CUTOFF

No.	LOCATION	ELEVATION
47	31.42' Lt "S" 31+10.64	6781.54
48	29.61' Lt "S" 31+20.98	6782.26
49	29.56' Lt "S" 31+28.87	6782.69
51	31.81' Lt "S" 31+68.78	6784.59
52	32.47' Lt "S" 31+74.39	6784.73
53	51.53' Rt "HW38" 106+36.98	6784.91
54	46.98' Rt "HW38" 106+34.23	6784.95



STANFIELD CUTOFF

No.	LOCATION	ELEVATION
2	28.02' Rt "S" 30+87.12	6780.57
3	26.69' Rt "S" 30+94.85	6781.13
4	28.10' Rt "S" 31+06.36	6781.88
5	30.77' Rt "S" 31+15.99	6782.55
9	53.60' Rt "S" 31+48.26	6785.00
10	61.53' Rt "S" 32+00.45	6785.36
11	65.22' Rt "S" 32+09.74	6785.62
12	38.96' Rt "S" 30+85.51	6780.51
13	38.74' Rt "S" 30+95.49	6781.40
14	40.16' Rt "S" 31+05.38	6782.18

STANFIELD CUTOFF

No.	LOCATION	ELEVATION
18	61.13' Rt "S" 31+38.91	6785.19
19	69.15' Rt "S" 31+44.38	6785.58
31	19.97' Lt "S" 31+06.50	6781.24
32	17.63' Lt "S" 31+19.83	6782.03
33	17.56' Lt "S" 31+28.92	6782.51
37	19.65' Lt "S" 31+67.95	6784.35
38	20.56' Lt "S" 31+75.87	6784.56

STANFIELD CUTOFF

No.	LOCATION	ELEVATION
39	51.49' Rt "HW38" 106+49.94	6784.66
40	42.63' Rt "HW38" 106+45.43	6784.76
41	27.93' Lt "S" 30+67.90	6784.76
42	27.45' Lt "S" 30+70.67	6778.98
43	31.21' Lt "S" 30+77.17	6779.09
44	30.21' Lt "S" 30+82.87	6779.95
45	34.88' Lt "S" 30+90.95	6780.35
46	33.15' Lt "S" 31+00.79	6780.96

ROUNDABOUT DETAIL KEY MAP

C-4

REVISION 01/12/2023
 DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:57:58 PM
 USERNAME => dnucl
 DGN FILE => 25539d004.dgn

<p>Underground Service Alert Call: 811 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SP5N 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY: DOKKEN ENGINEERING 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642 MATTHEW ATKINSON, PROJECT MANAGER 06/12/24 DATE</p>		<p>MARK</p>	<p>REVISIONS</p>	<p>APPR DATE</p>	<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p>			<p>CONSTRUCTION DETAILS SCALE: 1"=10'</p>		<p>ROAD NO. STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT BIG BEAR AREA</p>
				<p>DESIGNED BY: RS DATE: 6/26/24</p>	<p>DRAWN BY: JP DATE: 6/26/24</p>	<p>CHECKED BY: LK DATE: 6/26/2024</p>	<p>W.O. NO. H15055</p>	<p>SHEET 12 OF 72</p>				

NOTES:

1. LIP ELEVATION IS PERPENDICULAR TO FL ELEVATION, SEE DETAIL A.

SH38

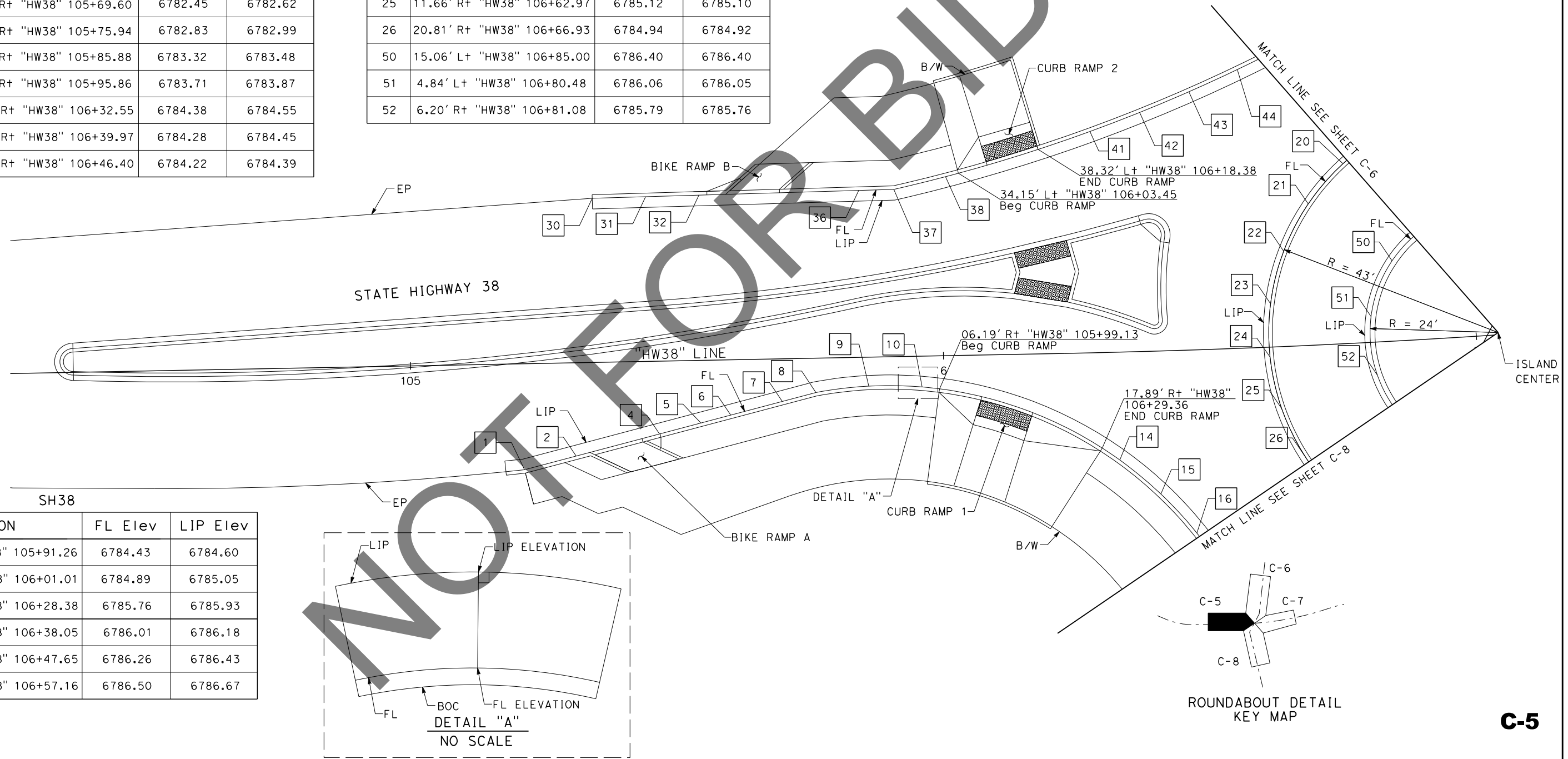
No.	LOCATION	FL Elev	LIP Elev
1	19.85' Rt "HW38" 105+21.03	6779.60	6779.76
2	17.48' Rt "HW38" 105+30.74	6780.11	6780.16
4	13.64' Rt "HW38" 105+46.46	6781.06	6781.23
5	11.74' Rt "HW38" 105+54.23	6781.52	6781.69
6	10.36' Rt "HW38" 105+59.88	6781.86	6783.03
7	7.98' Rt "HW38" 105+69.60	6782.45	6782.62
8	6.43' Rt "HW38" 105+75.94	6782.83	6782.99
9	5.44' Rt "HW38" 105+85.88	6783.32	6783.48
10	5.79' Rt "HW38" 105+95.86	6783.71	6783.87
14	20.21' Rt "HW38" 106+32.55	6784.38	6784.55
15	26.79' Rt "HW38" 106+39.97	6784.28	6784.45
16	34.34' Rt "HW38" 106+46.40	6784.22	6784.39

SH38

No.	LOCATION	FL Elev	LIP Elev
20	33.73' Lt "HW38" 106+76.64	6786.51	6786.52
21	26.50' Lt "HW38" 106+69.65	6786.22	6786.22
22	17.86' Lt "HW38" 106+64.59	6785.91	6785.91
23	8.12' Lt "HW38" 106+61.70	6785.62	6785.61
24	1.85' Rt "HW38" 106+61.18	6785.35	6785.33
25	11.66' Rt "HW38" 106+62.97	6785.12	6785.10
26	20.81' Rt "HW38" 106+66.93	6784.94	6784.92
50	15.06' Lt "HW38" 106+85.00	6786.40	6786.40
51	4.84' Lt "HW38" 106+80.48	6786.06	6786.05
52	6.20' Rt "HW38" 106+81.08	6785.79	6785.76

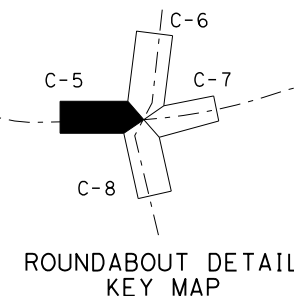
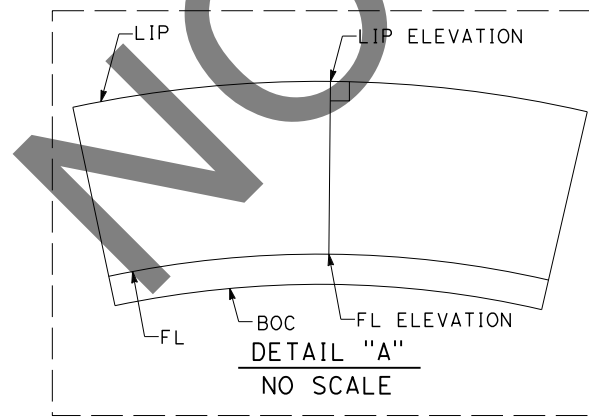
SH38

No.	LOCATION	FL Elev	LIP Elev
30	30.77' Lt "HW38" 105+34.70	6781.56	6781.73
31	30.87' Lt "HW38" 105+44.70	6782.10	6782.27
32	30.97' Lt "HW38" 105+54.69	6782.65	6782.72
36	31.28' Lt "HW38" 105+84.69	6784.14	6784.31



SH38

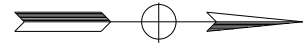
No.	LOCATION	FL Elev	LIP Elev
37	31.34' Lt "HW38" 105+91.26	6784.43	6784.60
38	33.54' Lt "HW38" 106+01.01	6784.89	6785.05
41	41.49' Lt "HW38" 106+28.38	6785.76	6785.93
42	44.82' Lt "HW38" 106+38.05	6786.01	6786.18
43	48.41' Lt "HW38" 106+47.65	6786.26	6786.43
44	52.25' Lt "HW38" 106+57.16	6786.50	6786.67



C-5

REVISION 01/12/2023
 DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:57:59 PM
 USERNAME => dnucl1
 DGN FILE => 25530005.dgn

<p>Underground Service Alert</p> <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK</p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSPN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p>DE DOKKEN ENGINEERING</p> <p>110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642</p> <p>06/12/24 MATTHEW ATKINSON, PROJECT MANAGER</p>		<p>MARK</p>	<p>REVISIONS</p>	<p>APPR DATE</p>	<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p>	<p>CONSTRUCTION DETAILS</p> <p>SCALE: 1"=10'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO.</p> <p>W.O. NO. H15055</p> <p>SHEET 13 OF 72</p>
				<p>DESIGNED BY: <i>RS</i></p> <p>DATE: 6/26/24</p>	<p>DRAWN BY: <i>JP</i></p> <p>DATE: 6/26/24</p>	<p>CHECKED BY: <i>LK</i></p> <p>DATE: 6/26/2024</p>	<p>APPROVED BY: <i>Mervat Mikhail</i></p> <p>DATE: 6/26/2024</p> <p>THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</p> <p>MERVAT MIKHAIL, P.E. DEPUTY DIRECTOR</p>		

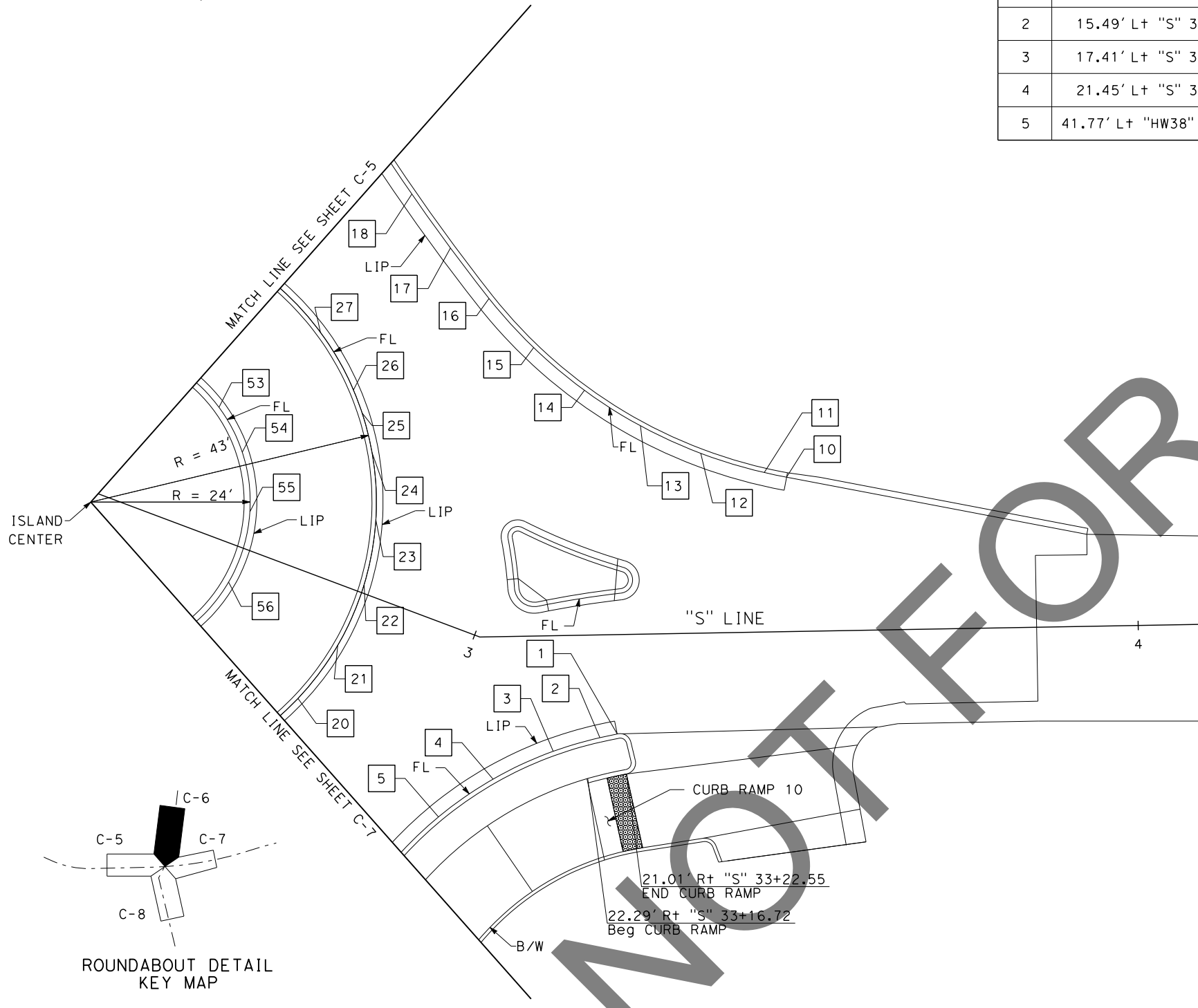


STANFIELD CUTOFF

No.	LOCATION	FL Elev	LIP Elev
1	14.98' Lt "S" 33+21.27	6789.60	6789.57
2	15.49' Lt "S" 33+18.64	6789.40	6789.37
3	17.41' Lt "S" 33+11.58	6788.89	6788.86
4	21.45' Lt "S" 33+02.44	6788.33	6788.30
5	41.77' Lt "HW38" 107+62.11	6787.97	6787.94

STANFIELD CUTOFF

No.	LOCATION	FL Elev	LIP Elev
10	23.27' Lt "S" 33+47.45	6790.72	6790.89
11	24.02' Lt "S" 33+44.10	6790.49	6790.66
12	27.08' Lt "S" 33+34.59	6789.74	6789.91
13	31.40' Lt "S" 33+25.58	6788.99	6789.16
14	36.89' Lt "S" 33+17.23	6788.29	6788.46
15	43.46' Lt "S" 33+09.70	6787.72	6787.89
16	48.24' Lt "S" 32+84.20	6787.28	6787.45
17	53.31' Lt "S" 32+76.08	6786.98	6787.15
18	58.88' Lt "S" 32+67.77	6786.74	6786.91



STANFIELD CUTOFF

STANFIELD CUTOFF

No.	LOCATION	FL Elev	LIP Elev
20	25.01' Lt "HW38" 107+39.65	6787.23	6787.25
21	32.54' Lt "HW38" 107+32.97	6787.32	6787.35
22	38.31' Lt "HW38" 107+24.66	6787.35	6787.38
23	42.01' Lt "HW38" 107+15.16	6787.30	6787.33
24	43.41' Lt "HW38" 107+05.02	6787.19	6787.21
25	43.08' Lt "HW38" 106+98.63	6787.08	6787.11
26	42.44' Lt "HW38" 106+94.86	6787.01	6787.03
27	39.13' Lt "HW38" 106+85.18	6786.78	6786.79
53	18.59' Lt "S" 32+51.88	6786.71	6786.73
54	13.46' Lt "S" 32+57.56	6786.88	6786.90
55	5.50' Lt "S" 32+61.78	6787.00	6787.03
56	5.54' Rt "S" 32+62.51	6787.01	6787.04

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

DATE PLOTTED => 6/21/2024
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Underground Service Alert

Call: 811

TWO WORKING DAYS BEFORE YOU DIG

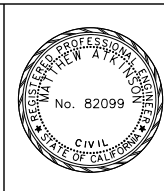
BENCHMARK
S.B.CO BRASS DISK STAMPED 63-1-12
1975 ON TOP OF CURB. +/- 28"
SOUTHERLY FROM HWY 38 & 0.15 MILES
EASTERLY FROM INTERSECTION HWY 38 &
STANFIELD CUTOFF AS SHOWN PER SPSN
00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA. 916-858-0642

MATTHEW ATKINSON, PROJECT MANAGER

06/12/24 DATE



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: Chris Nguyen 6/26/24 DATE
TRANSPORTATION DESIGN ENGINEERING MANAGER

APPROVED BY: Thomas Bustamonte 6/26/24 DATE
SUPERVISING ENGINEER

DRAWN BY: JP
CHECKED BY: LK

APPROVED BY: Mervat Mikhail 6/26/2024 DATE
DEPUTY DIRECTOR

CONSTRUCTION DETAILS

SCALE: 1"=10'

STATE HIGHWAY 38
STANFIELD CUTOFF
ROUNDABOUT

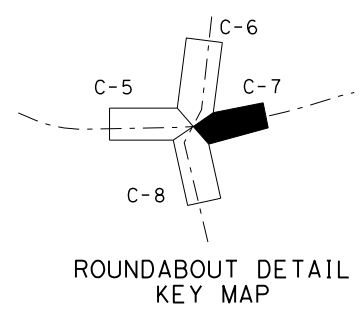
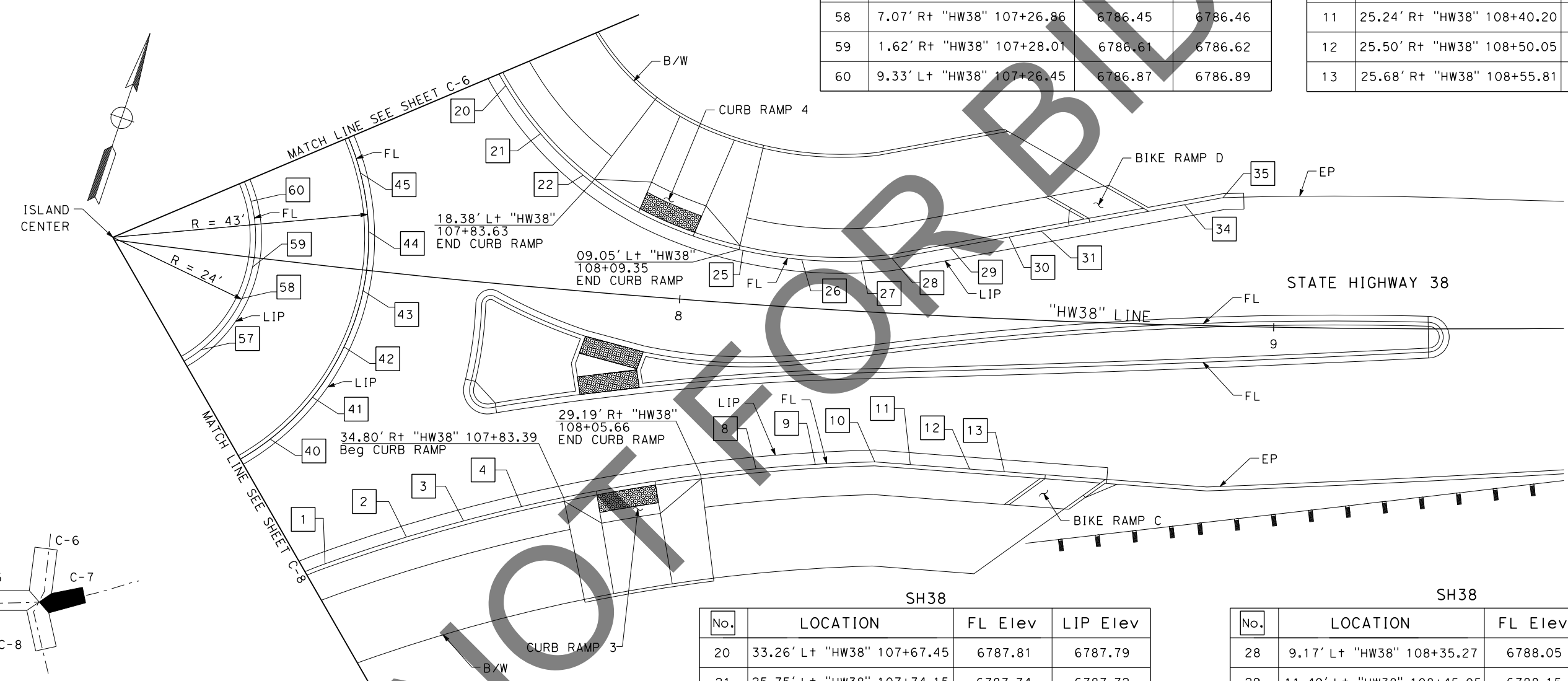
BIG BEAR AREA

ROAD NO. _____
W.O. NO. H15055
SHEET 14 OF 72

C-6

SH38			
No.	LOCATION	FL ELEV	LIP Elev
40	29.98' Rt "HW38" 107+34.26	6785.72	6785.71
41	22.20' Rt "HW38" 107+40.45	6786.01	6786.01
42	13.22' Rt "HW38" 107+44.74	6786.31	6786.31
43	3.47' Rt "HW38" 107+46.89	6786.59	6786.61
44	6.51' Lt "HW38" 107+46.76	6786.85	6786.87
45	16.18' Lt "HW38" 107+44.31	6787.07	6787.09
57	16.49' Rt "HW38" 107+21.07	6786.12	6786.11
58	7.07' Rt "HW38" 107+26.86	6786.45	6786.46
59	1.62' Rt "HW38" 107+28.01	6786.61	6786.62
60	9.33' Lt "HW38" 107+26.45	6786.87	6786.89

SH38			
No.	LOCATION	FL ELEV	LIP ELEV
1	49.82' Rt "HW38" 107+45.50	6785.22	6785.39
2	43.92' Rt "HW38" 107+58.29	6785.56	6785.72
3	40.26' Rt "HW38" 107+67.37	6785.79	6785.95
4	36.96' Rt "HW38" 107+76.61	6786.02	6786.18
8	27.53' Rt "HW38" 108+14.73	6786.78	6786.96
9	26.13' Rt "HW38" 108+24.48	6786.91	6787.08
10	25.12' Rt "HW38" 108+34.29	6787.00	6787.17
11	25.24' Rt "HW38" 108+40.20	6787.05	6787.22
12	25.50' Rt "HW38" 108+50.05	6787.10	6787.27
13	25.68' Rt "HW38" 108+55.81	6787.13	6787.29



SH38			
No.	LOCATION	FL Elev	LIP Elev
20	33.26' Lt "HW38" 107+67.45	6787.81	6787.79
21	25.75' Lt "HW38" 107+74.15	6787.74	6787.72
22	19.44' Lt "HW38" 107+81.99	6787.69	6787.66
25	8.94' Lt "HW38" 108+10.03	6787.78	6787.75
26	8.06' Lt "HW38" 108+20.04	6787.88	6787.86
27	8.46' Lt "HW38" 108+30.07	6787.99	6787.96

SH38			
No.	LOCATION	FL Elev	LIP Elev
28	9.17' Lt "HW38" 108+35.27	6788.05	6788.02
29	11.49' Lt "HW38" 108+45.05	6788.15	6788.12
30	13.76' Lt "HW38" 108+54.87	6788.26	6788.23
31	14.99' Lt "HW38" 108+60.29	6788.31	6788.28
34	20.24' Lt "HW38" 108+84.45	6788.53	6788.50
35	21.59' Lt "HW38" 108+90.96	6788.56	6788.53

C-7

REVISION 01/12/2023
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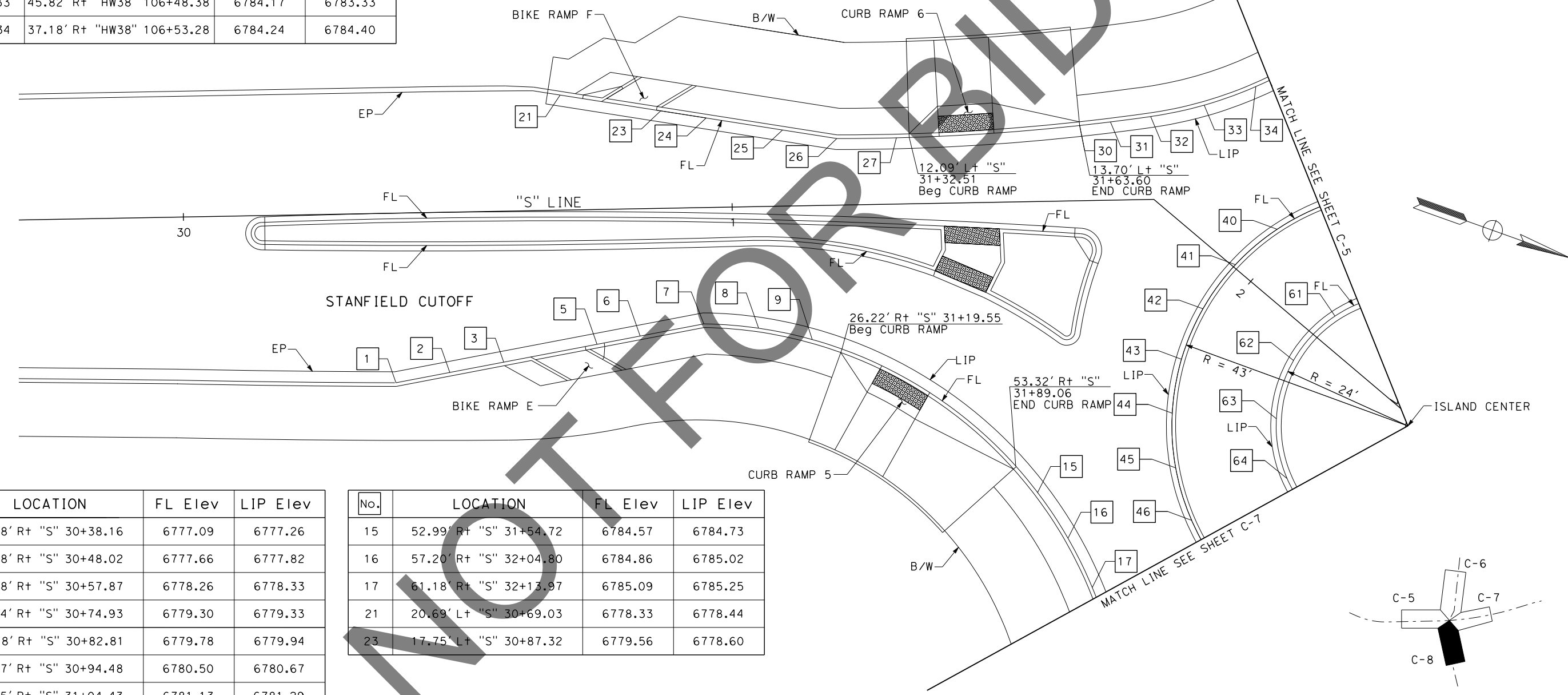
MARK	REVISIONS	APPR.	DATE

<p>Underground Service Alert Call: 811 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY: DOKKEN ENGINEERING 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642 MATTHEW ATKINSON, PROJECT MANAGER 06/12/24 DATE</p>		<table border="1"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR.</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	MARK	REVISIONS	APPR.	DATE													<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DESIGNED BY: <i>Chris Nguyen</i> DATE: 6/26/24 TRANSPORTATION DESIGN ENGINEERING MANAGER CHECKED BY: <i>JP</i> DATE: 6/26/24 APPROVED BY: <i>Thomas Bustamonte</i> DATE: 6/26/2024 SUPERVISING ENGINEER DEPUTY DIRECTOR</p>	<p>CONSTRUCTION DETAILS SCALE: 1"=10'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT BIG BEAR AREA</p>	<p>ROAD NO. W.O. NO. H15055 SHEET 15 OF 72</p>
					MARK	REVISIONS	APPR.	DATE															

No.	LOCATION	FL Elev	LIP Elev
24	16.30' Lt "S" 30+95.56	6780.08	6780.25
25	13.87' Lt "S" 31+09.44	6780.88	6781.04
26	12.13' Lt "S" 31+19.29	6781.44	6781.60
27	12.06' Lt "S" 31+30.16	6782.00	6782.16
30	13.70' Lt "S" 31+63.60	6783.62	6783.78
31	14.26' Lt "S" 31+69.21	6783.80	6783.96
32	15.10' Lt "S" 31+76.55	6783.98	6784.14
33	45.82' Rt "HW38" 106+48.38	6784.17	6783.33
34	37.18' Rt "HW38" 106+53.28	6784.24	6784.40

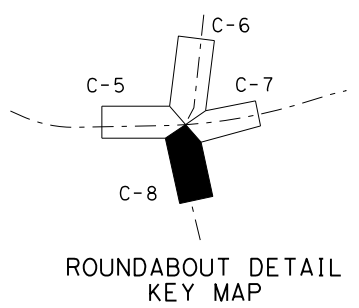
STANFIELD CUTOFF			
No.	LOCATION	FL Elev	LIP Elev
40	28.80' Rt "HW38" 106+72.81	6784.83	6784.80
41	35.23' Rt "HW38" 106+80.30	6784.77	6784.74
42	39.78' Rt "HW38" 106+88.99	6784.78	6784.75
43	42.20' Rt "HW38" 106+98.45	6784.86	6784.83
44	42.39' Rt "HW38" 107+08.18	6785.00	6784.98
45	40.32' Rt "HW38" 107+17.71	6785.20	6784.18
46	36.11' Rt "HW38" 107+26.56	6785.44	6785.43

STANFIELD CUTOFF			
No.	LOCATION	FL Elev	LIP Elev
61	5.10' Lt "S" 32+15.78	6785.62	6785.59
62	5.95' Rt "S" 32+15.25	6785.59	6785.56
63	16.06' Rt "S" 32+19.72	6785.72	6785.69
64	23.10' Rt "S" 32+28.26	6785.96	6785.95



No.	LOCATION	FL Elev	LIP Elev
1	30.88' Rt "S" 30+38.16	6777.09	6777.26
2	29.18' Rt "S" 30+48.02	6777.66	6777.82
3	27.48' Rt "S" 30+57.87	6778.26	6778.33
5	24.54' Rt "S" 30+74.93	6779.30	6779.33
6	23.18' Rt "S" 30+82.81	6779.78	6779.94
7	21.17' Rt "S" 30+94.48	6780.50	6780.67
8	22.15' Rt "S" 31+04.43	6781.13	6781.29
9	24.39' Rt "S" 31+14.17	6781.74	6781.90

No.	LOCATION	FL Elev	LIP Elev
15	52.99' Rt "S" 31+54.72	6784.57	6784.73
16	57.20' Rt "S" 32+04.80	6784.86	6785.02
17	61.18' Rt "S" 32+13.97	6785.09	6785.25
21	20.69' Lt "S" 30+69.03	6778.33	6778.44
23	17.75' Lt "S" 30+87.32	6779.56	6778.60



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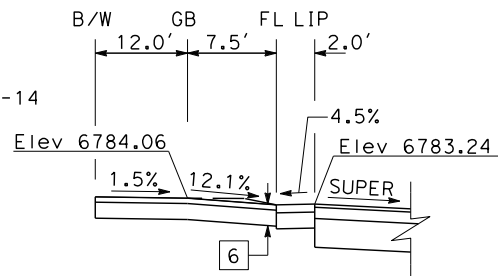
REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

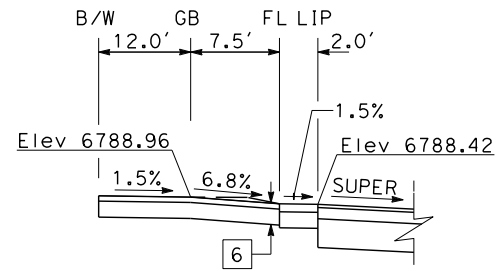
<p>Underground Service Alert Call: 811 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSPN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY: DOKKEN ENGINEERING 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642 MATTHEW ATKINSON, PROJECT MANAGER 06/12/24 DATE</p>		<table border="1"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR.</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	MARK	REVISIONS	APPR.	DATE																																					<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DESIGNED BY: RS DATE: 6/26/24 DRAWN BY: JP CHECKED BY: LK</p> <p>APPROVED BY: Mervat Mikhail DATE: 6/26/2024 Mervat Mikhail, P.E., DEPUTY DIRECTOR</p>	<p>CONSTRUCTION DETAILS SCALE: 1"=10'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO. W.O. NO. H15055</p> <p>SHEET 16 OF 72</p>
					MARK	REVISIONS	APPR.	DATE																																							

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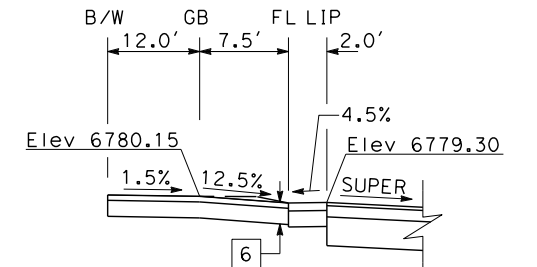
NOTES:
 1. FOR GUTTER CURB TRANSITION, SEE SHEET C-14



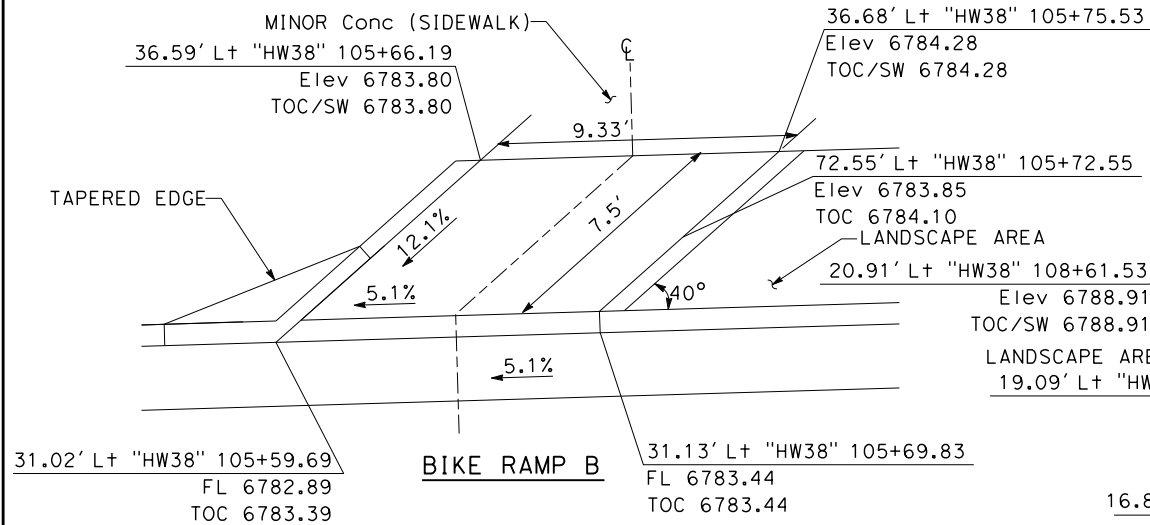
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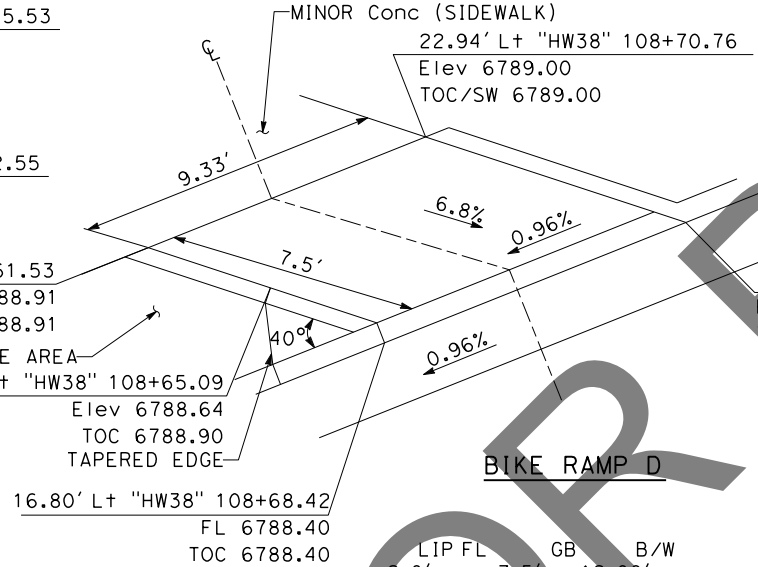
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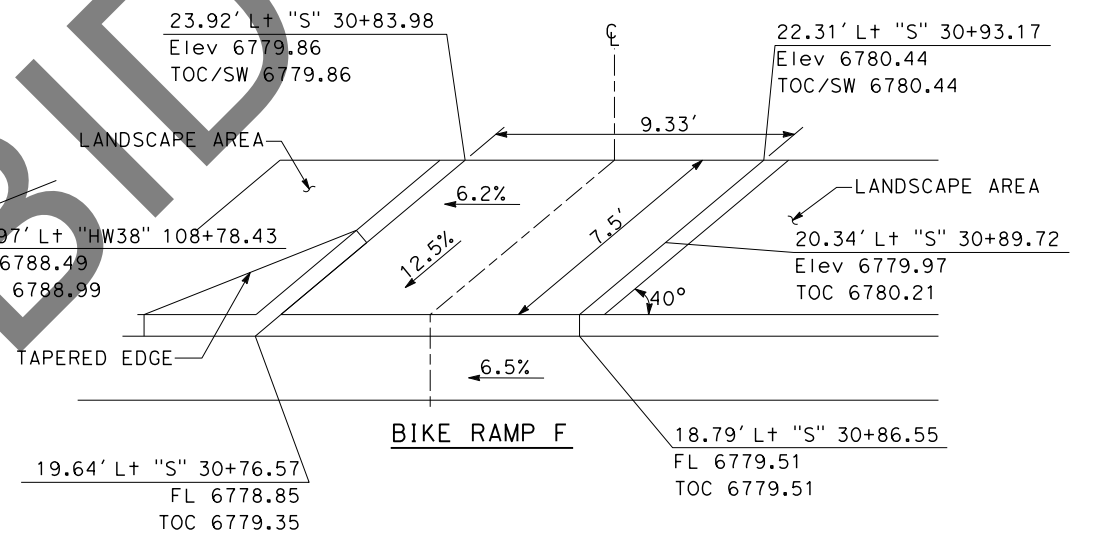
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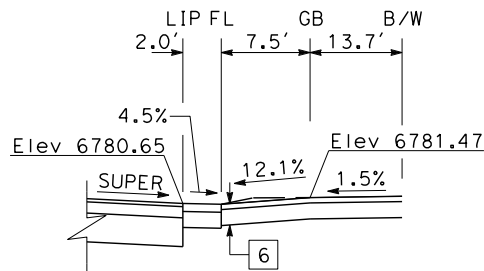
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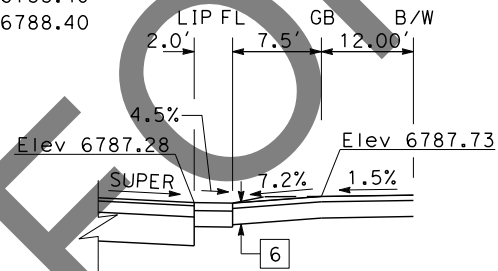
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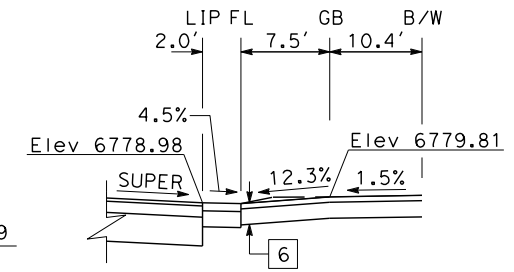
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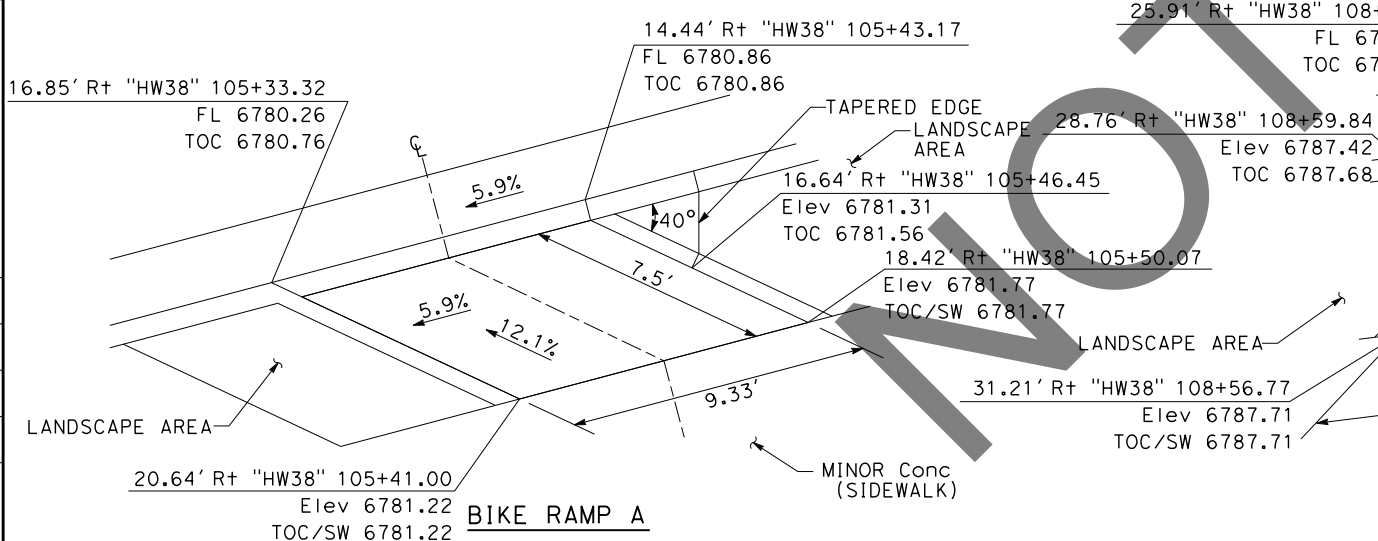
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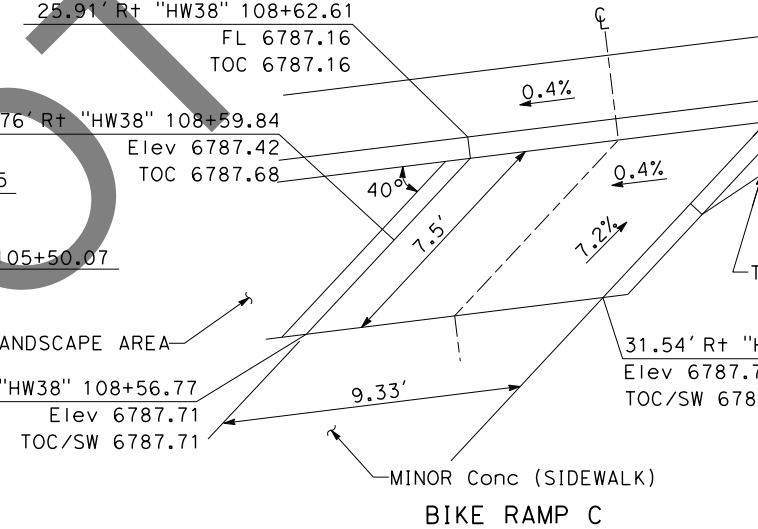
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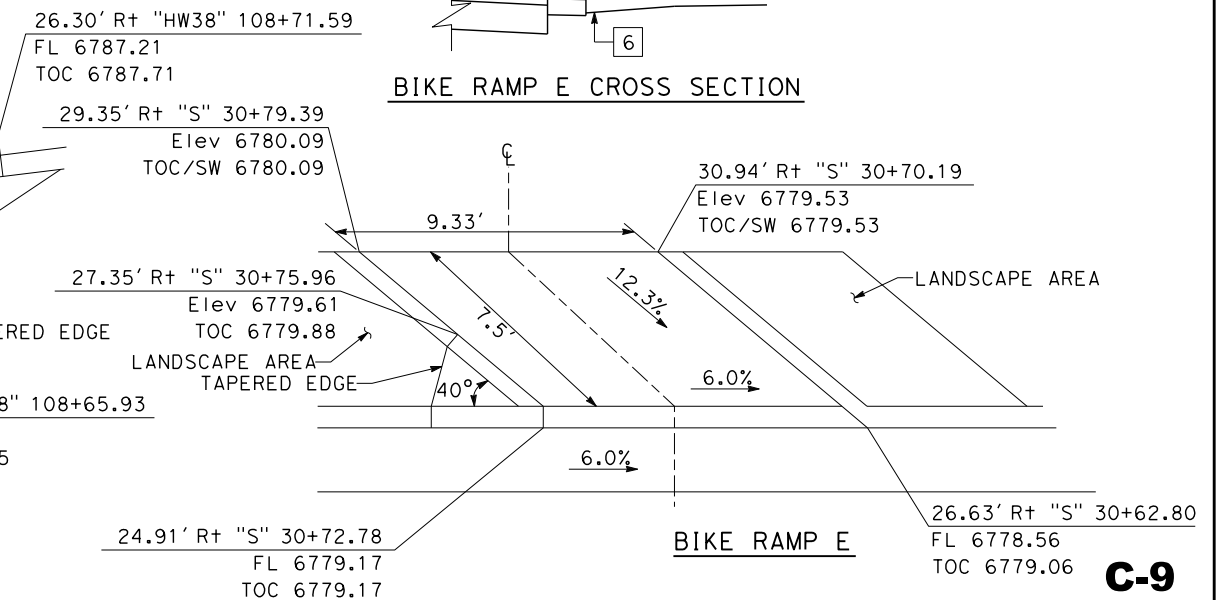
BIKE RAMP E CROSS SECTION



BIKE RAMP A



BIKE RAMP C



BIKE RAMP E

C-9

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

Underground Service Alert

 Call: 811
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB. +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SP5N
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642
 MATTHEW ATKINSON, PROJECT MANAGER
 06/12/24 DATE

MARK REVISIONS APPR. DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGNED BY: 6/26/24 DATE
 TRANSPORTATION DESIGN ENGINEERING MANAGER
 CHECKED BY: 6/26/24 DATE
 SUPERVISING ENGINEER
 APPROVED BY: 6/26/2024 DATE
 DEPUTY DIRECTOR

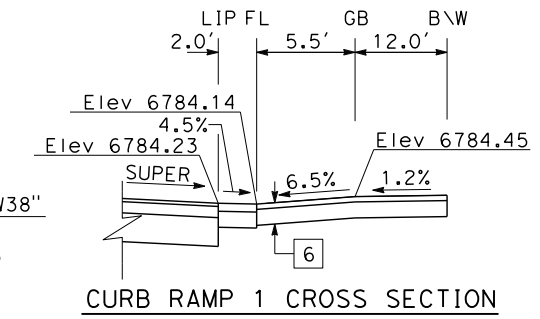
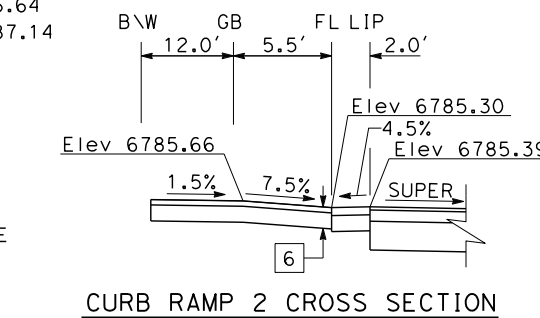
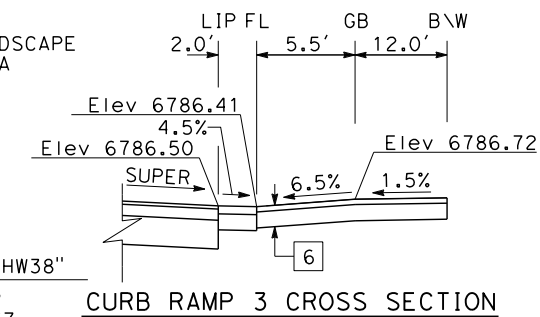
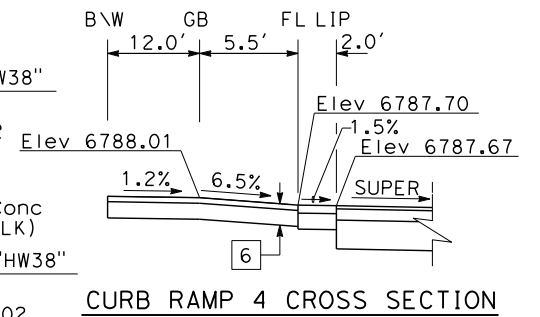
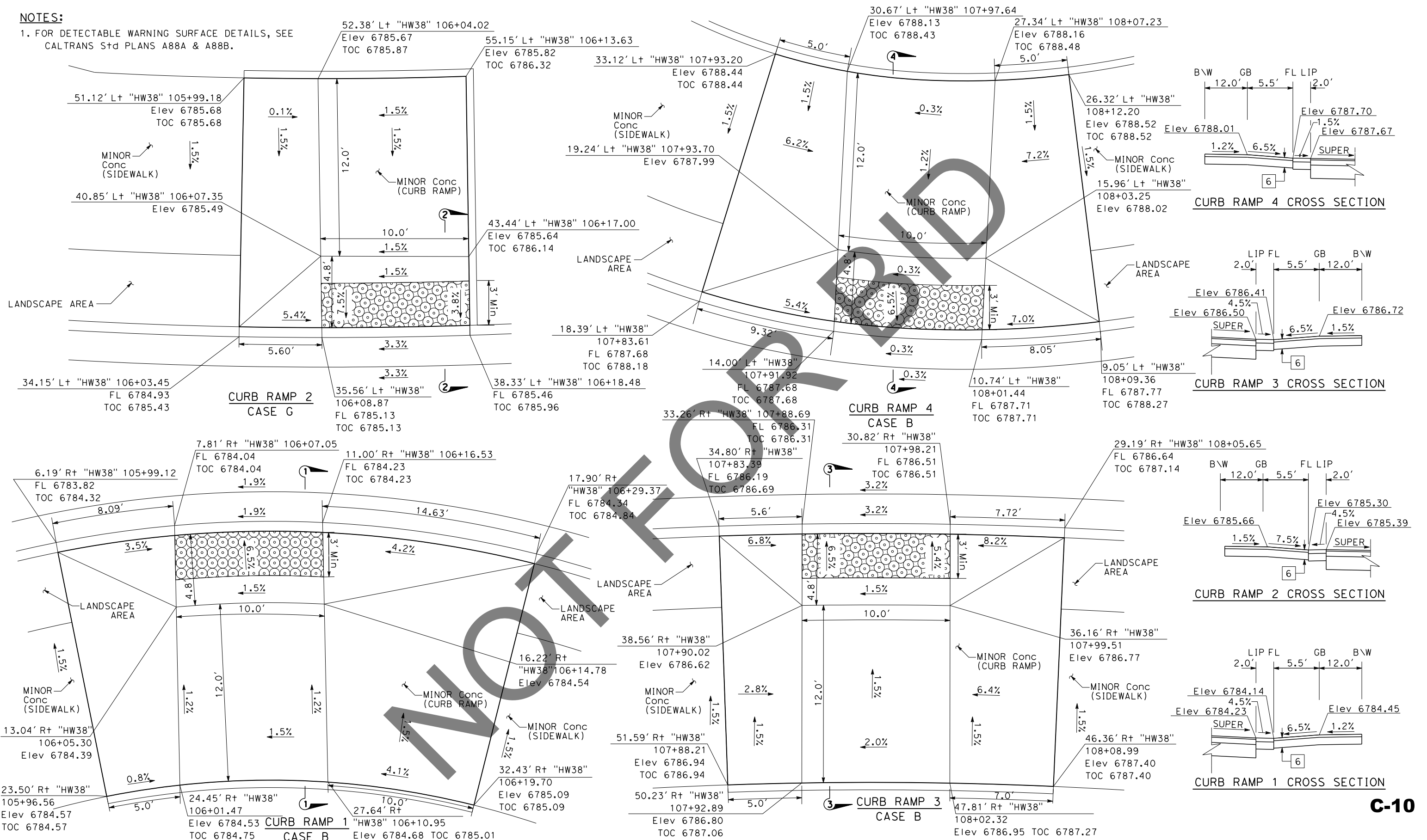
CONSTRUCTION DETAILS
 SCALE: 1"=3'
 STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT
 BIG BEAR AREA

ROAD NO.
 W.O. NO.
 H15055
 SHEET 17 OF 72

DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:58:02 PM
 USERNAME => dnucl1
 DGN FILE => 25539d009.dgn

NOTES:

1. FOR DETECTABLE WARNING SURFACE DETAILS, SEE CALTRANS S+D PLANS A88A & A88B.



C-10

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

Underground Service Alert

Call: 811

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PREPARED BY:

110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

6/12/24 DATE

MATTHEW ATKINSON, PROJECT MANAGER

MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

CHRIS NGUYEN, P.E. 6/26/24 DATE
 TRANSPORTATION DESIGN ENGINEERING MANAGER

THOMAS BUSTAMANTE 6/26/24 DATE
 SUPERVISING ENGINEER

DESIGNED BY: RS
 DRAWN BY: JP
 CHECKED BY: LK

APPROVED BY: Mervat Mikhail, P.E. 6/26/2024 DATE
 DEPUTY DIRECTOR

CONSTRUCTION DETAILS

SCALE: 1"=3'

STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT

BIG BEAR AREA

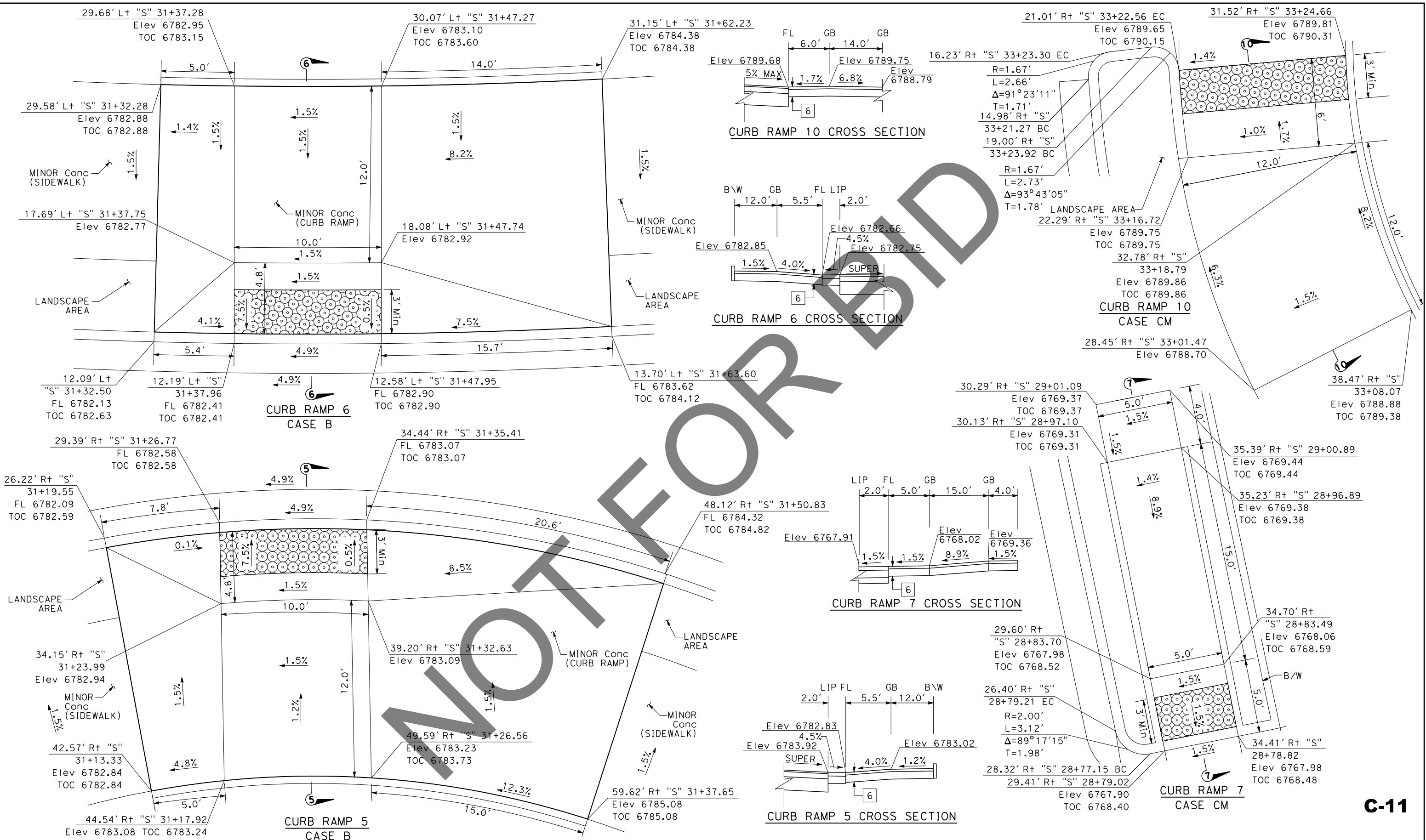
ROAD NO. W.O. NO. H15055

SHEET 18 OF 72

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REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE



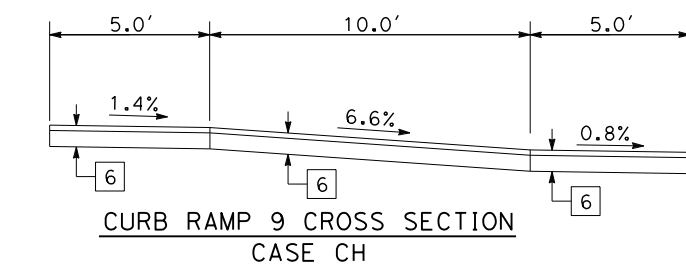
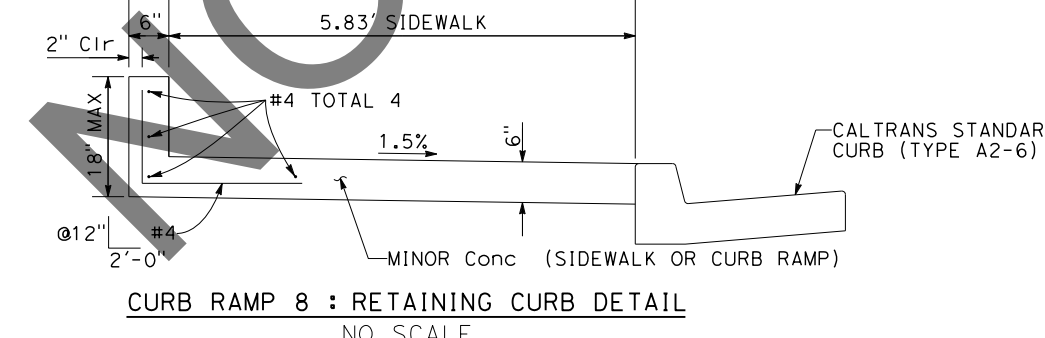
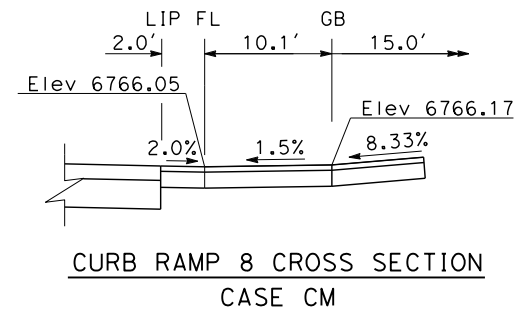
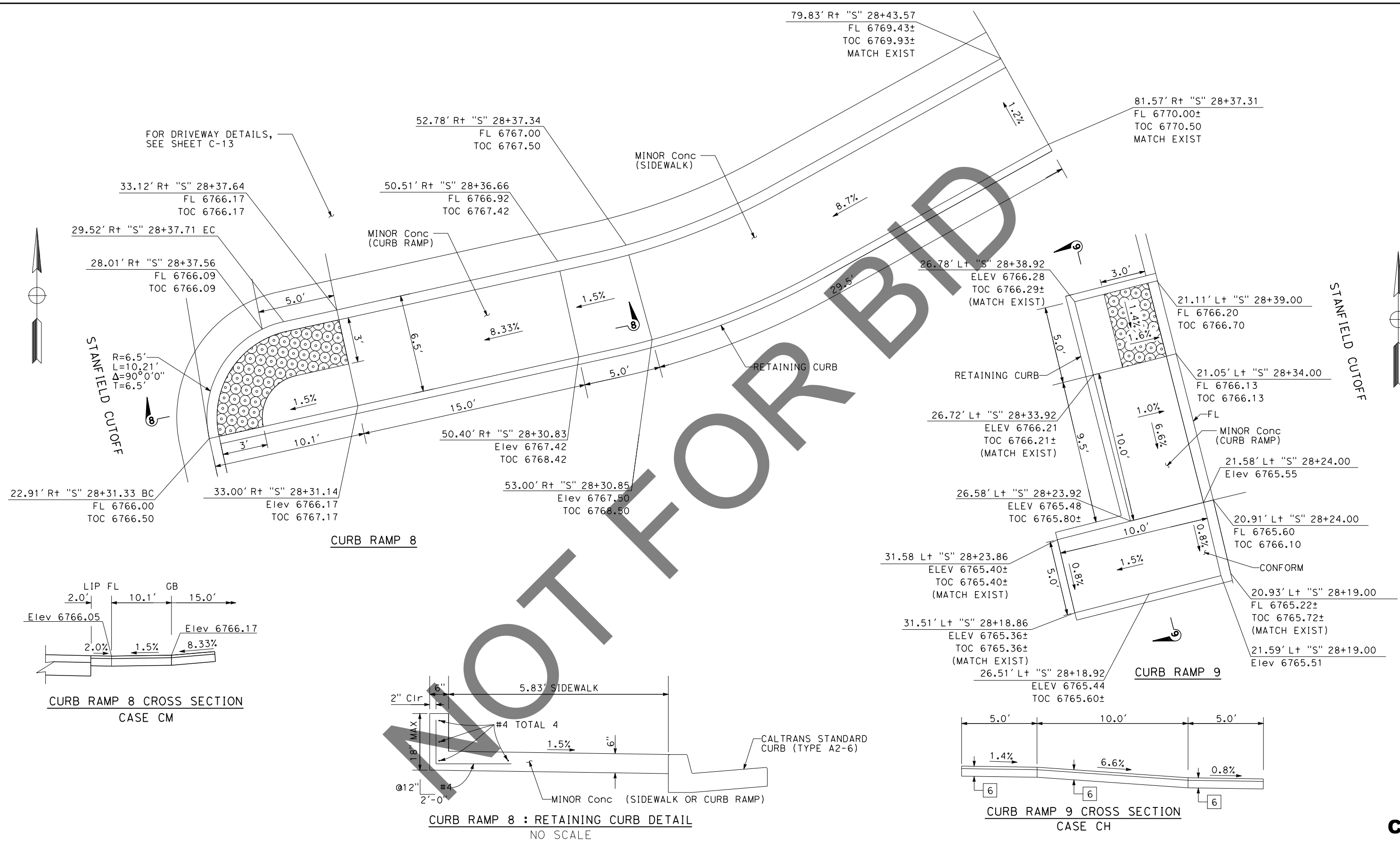
C-11

<p>Underground Service Alert</p>	<p>BENCHMARK S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SP5N 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY: 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642 MATTHEW ATKINSON, PROJECT MANAGER</p>		<p>MARK</p>	<p>REVISIONS</p>	<p>APPR. DATE</p>	<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p>	<p>CONSTRUCTION DETAILS SCALE: 1"=3'</p>	<p>ROAD NO. STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT</p>
				<p>Call: 811</p>	<p>DATE: 6/26/24</p>	<p>DESIGNED BY: RS</p>	<p>DRAWN BY: JP</p>	<p>CHECKED BY: LK</p>	<p>W.O. NO. H15055</p>
<p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>DATE: 6/26/2024</p>	<p>APPROVED BY: MERVAT MIKHAIL, P.E., DEPUTY DIRECTOR</p>	<p>DATE: 6/26/2024</p>	<p>DATE: 6/26/2024</p>	<p>SHEET 19 OF 72</p>				

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REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE



C-12

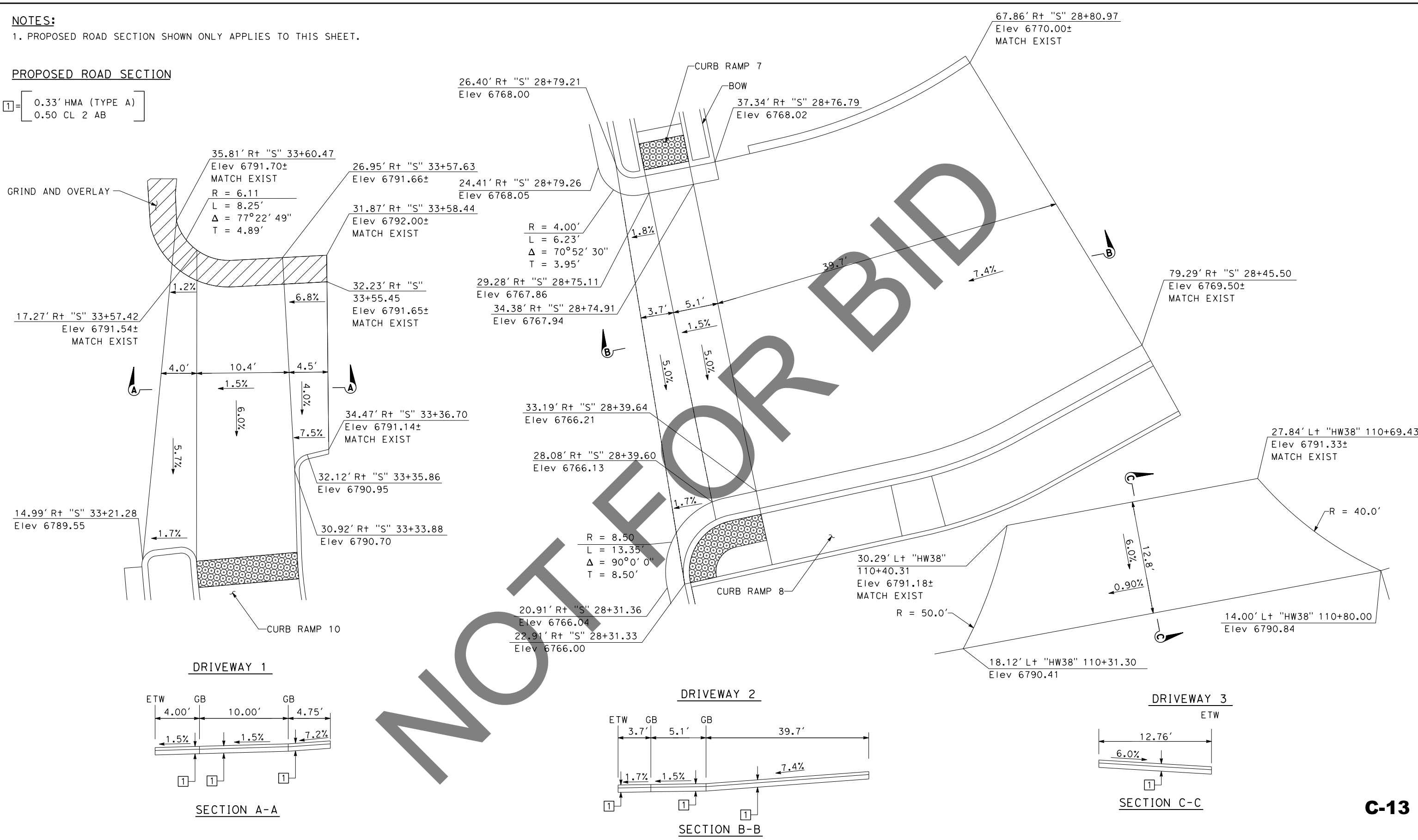
<p>Underground Service Alert</p> <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK</p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p>DOKKEN ENGINEERING</p> <p>110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642</p> <p>06/12/24 MATTHEW ATKINSON, PROJECT MANAGER</p>		<p>MARK</p>	<p>REVISIONS</p>	<p>APPR. DATE</p>	<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p>	<p>CONSTRUCTION DETAILS</p> <p>SCALE: 1"=3'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO.</p>
				<p>CHRIS NGUYEN, P.E. TRANSPORTATION DESIGN ENGINEERING MANAGER</p> <p>6/26/24 DATE</p>	<p>DESIGNED BY: RS</p> <p>DRAWN BY: JP</p> <p>CHECKED BY: LK</p>	<p>THOMAS BUSTAMONTE SUPERVISING ENGINEER</p> <p>6/26/24 DATE</p>	<p>APPROVED BY: Mervat Mikhail, P.E. DEPUTY DIRECTOR</p> <p>6/26/2024 DATE</p>		<p>W.O. NO. H15055</p> <p>SHEET 20 OF 72</p>

NOTES:

1. PROPOSED ROAD SECTION SHOWN ONLY APPLIES TO THIS SHEET.

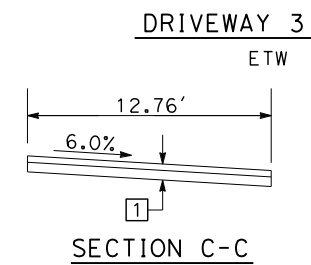
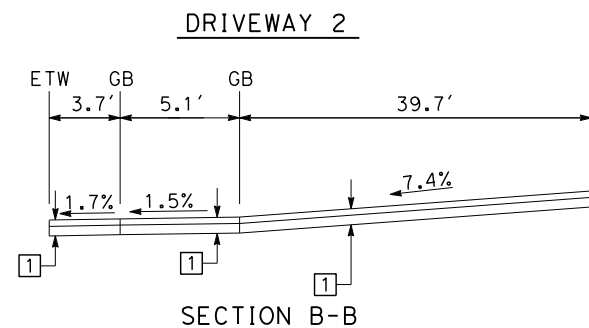
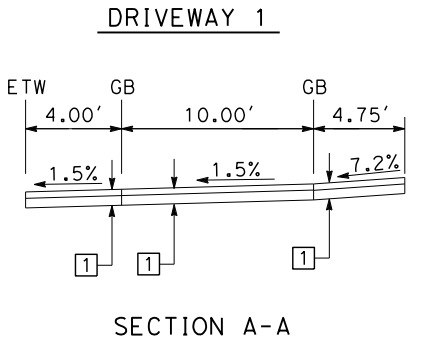
PROPOSED ROAD SECTION

1 = 0.33' HMA (TYPE A)
0.50 CL 2 AB



REVISION 01/12/2023

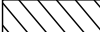

MARK	REVISIONS	APPR.	DATE



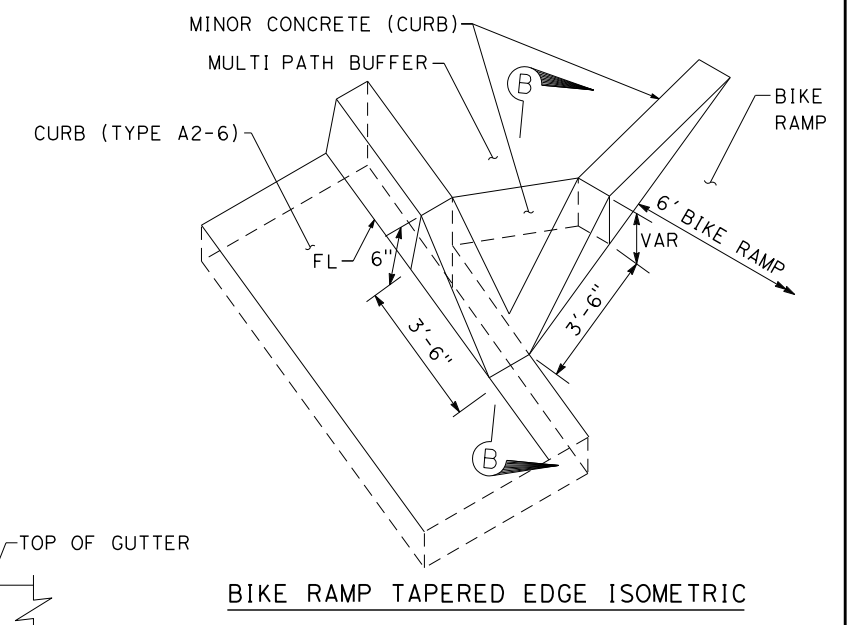
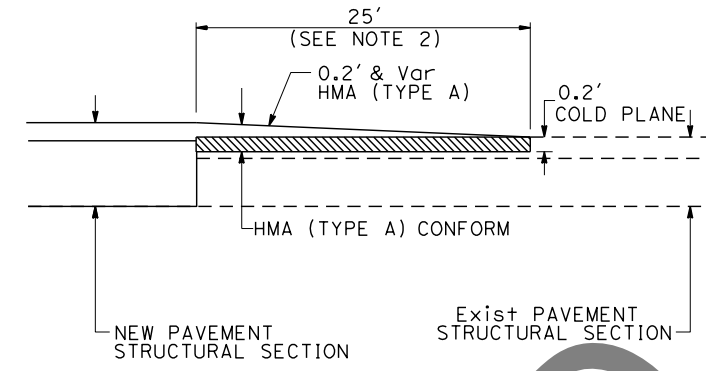
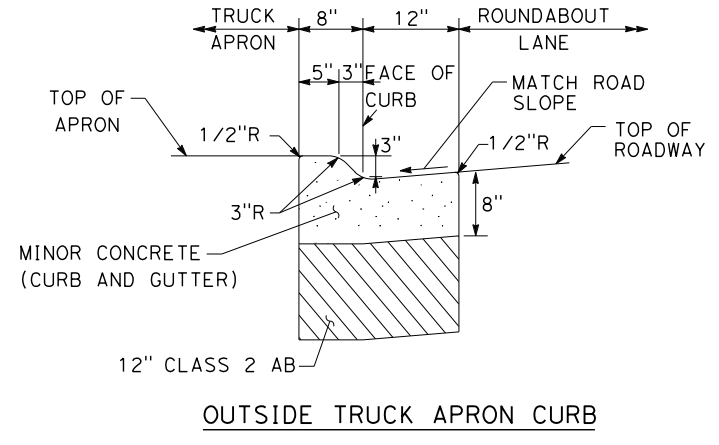
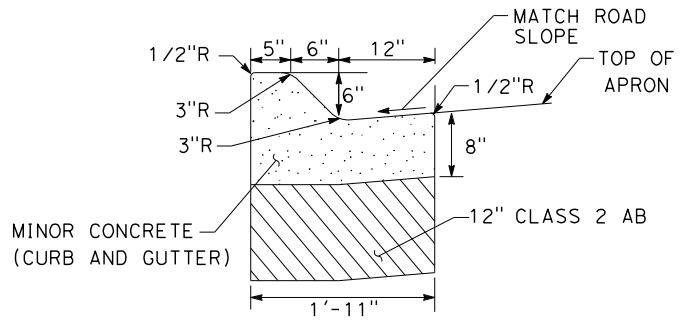
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<p>Underground Service Alert!</p> <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK</p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p>DE DOKKEN ENGINEERING</p> <p>110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642</p> <p>06/12/24 DATE</p> <p>MATTHEW ATKINSON, PROJECT MANAGER</p>		<p>MARK</p>	<p>REVISIONS</p>	<p>APPR. DATE</p>	<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p>			<p>CONSTRUCTION DETAILS</p> <p>SCALE: 1"=5'</p>		<p>ROAD NO.</p>
				<p>DESIGNED BY: <i>Chris Nguyen</i> DATE: 6/26/24</p> <p>THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</p>	<p>DESIGNED BY: RS DATE: 6/26/24</p>	<p>DRAWN BY: JP DATE: 6/26/2024</p>	<p>CHECKED BY: LK DATE: 6/26/2024</p>	<p>APPROVED BY: <i>Mervat Mikhail</i> MERVAT MIKHAIL, P.E. DEPUTY DIRECTOR</p>	<p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDBOUT</p>	<p>W.O. NO. H15055</p>		

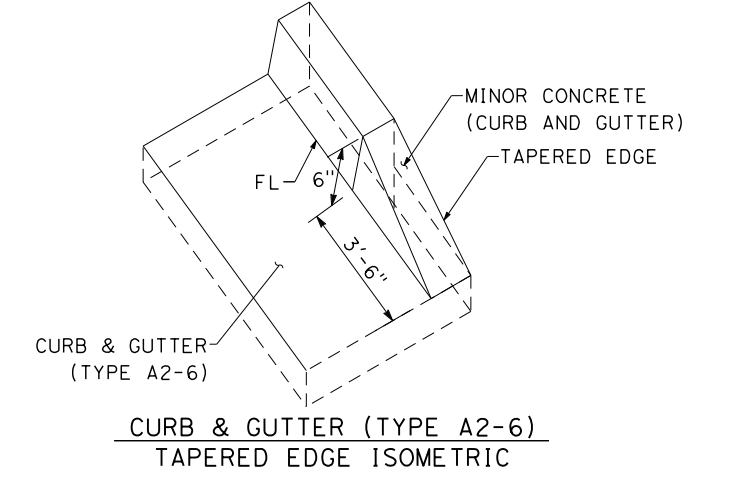
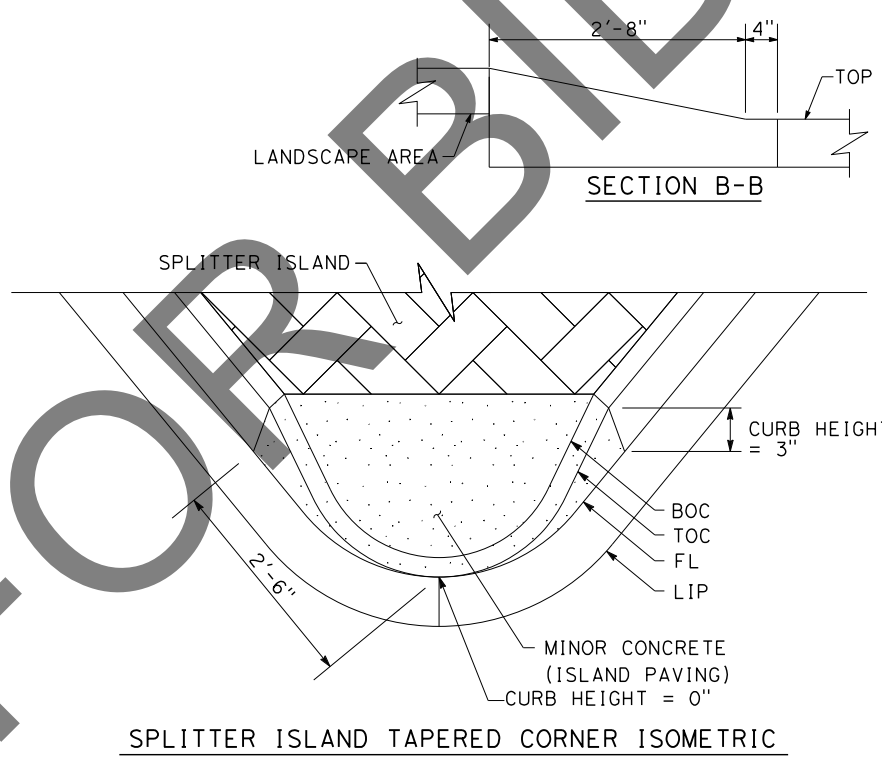
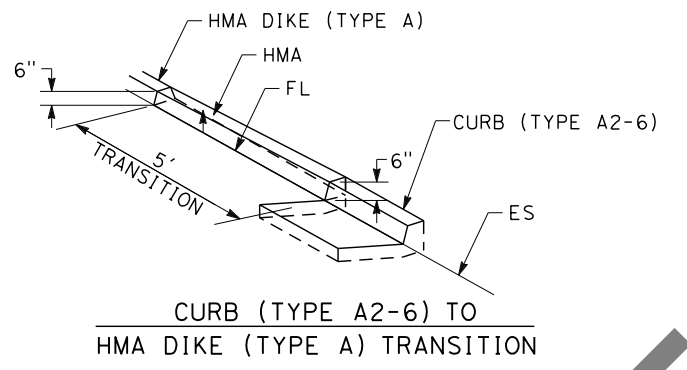
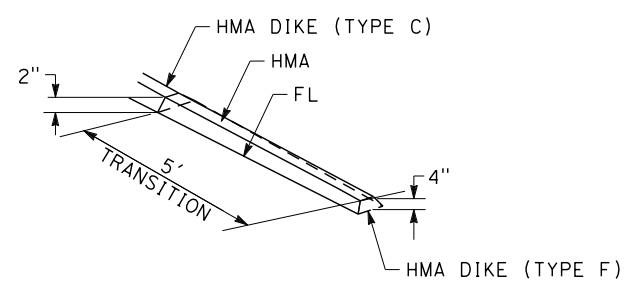
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LEGEND:
 CLASS 2 AGGREGATE BASE
 MINOR CONCRETE

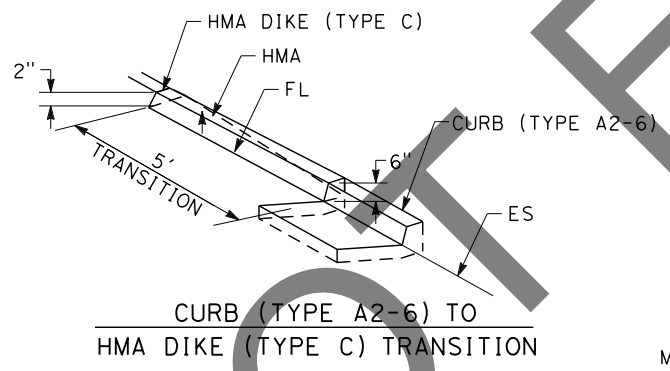
NOTES:
 1. FOR DETAILS NOT SHOWN, SEE CALTRANS STD PLANS.
 2. LONGITUDINAL CONFORM IS 25' LONG, UNLESS SHOWN DIFFERENT ON THE LAYOUT.



CENTER ISLAND APRON CURB

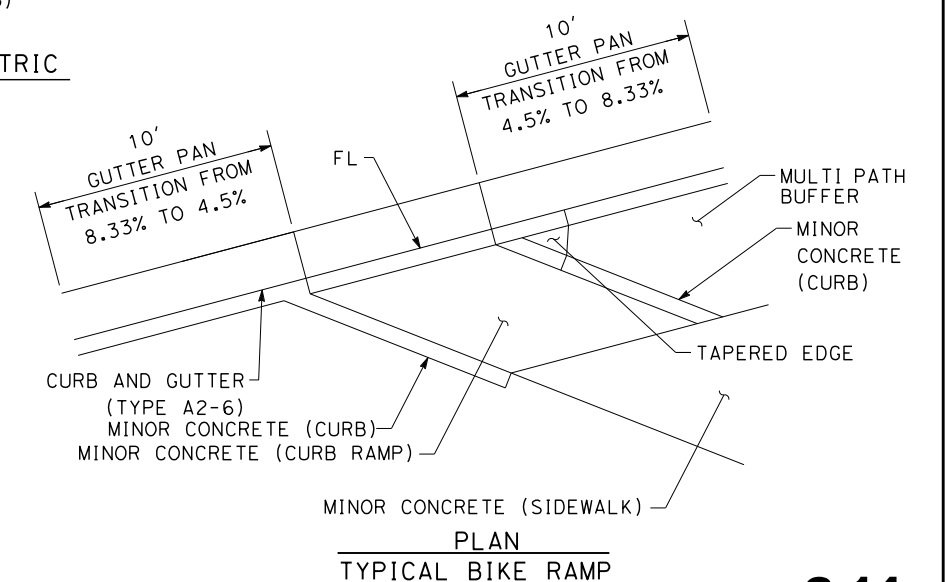
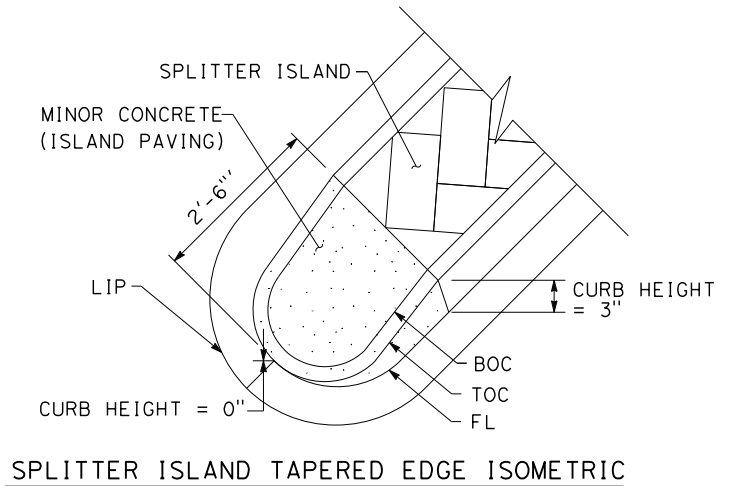
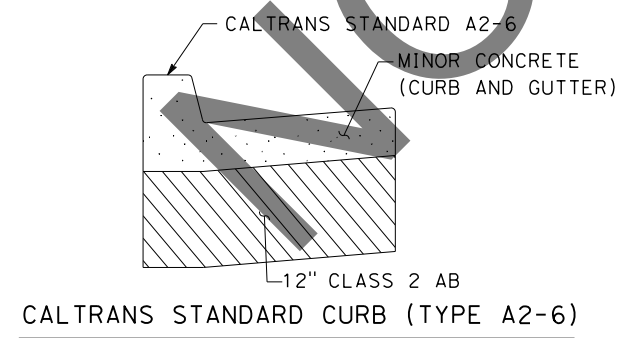
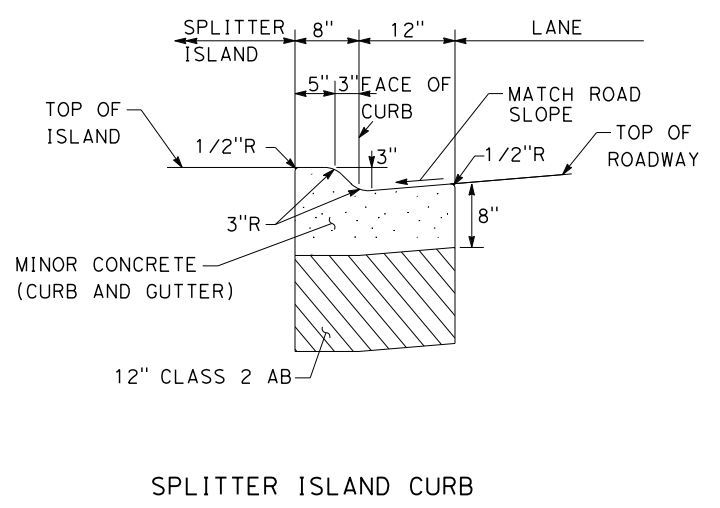


HMA DIKE (TYPE C) TO HMA DIKE (TYPE F)



SPLITTER ISLAND TAPERED CORNER ISOMETRIC

CURB & GUTTER (TYPE A2-6) TAPERED EDGE ISOMETRIC



SPLITTER ISLAND CURB

CALTRANS STANDARD CURB (TYPE A2-6)

SPLITTER ISLAND TAPERED EDGE ISOMETRIC

TYPICAL BIKE RAMP PLAN

C-14

REVISION 01/12/2023
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Underground Service Alert

 Call: 811
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB. +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SPSP
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

DOKKEN ENGINEERING
 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 91658-0642
 MATTHEW ATKINSON, PROJECT MANAGER
 06/12/24 DATE


 CIVIL
 No. 82099
 STATE OF CALIFORNIA

MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

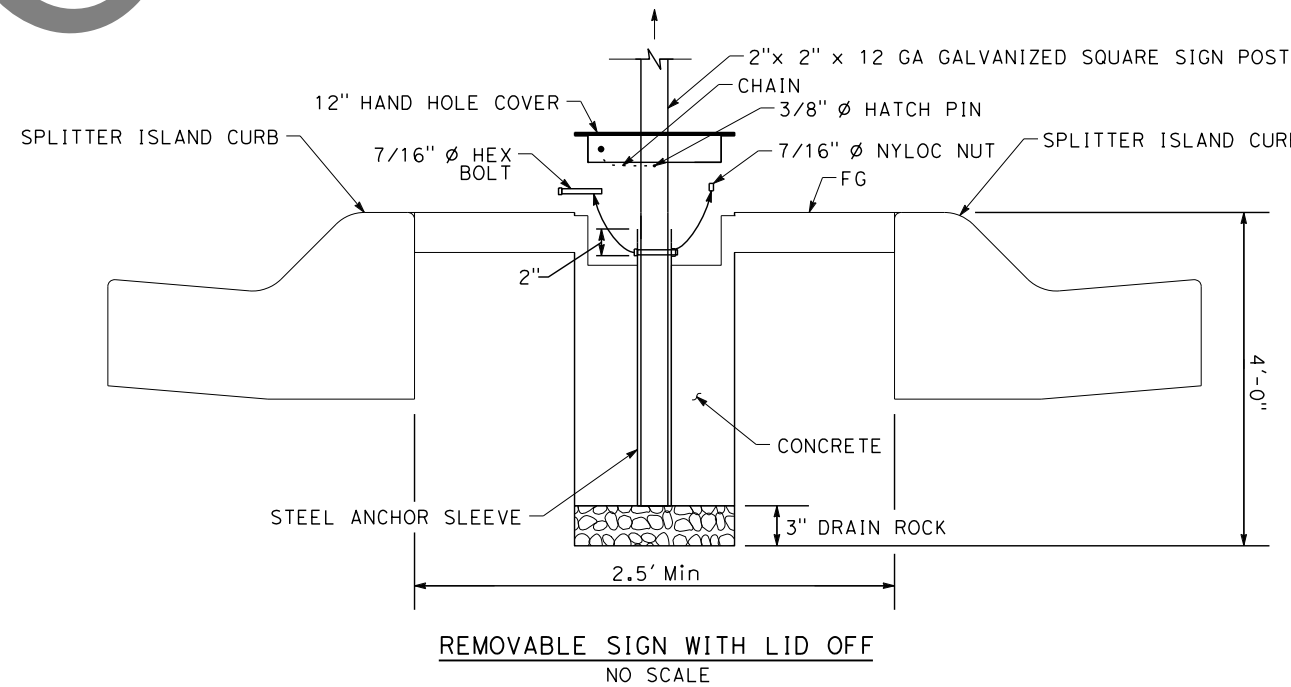
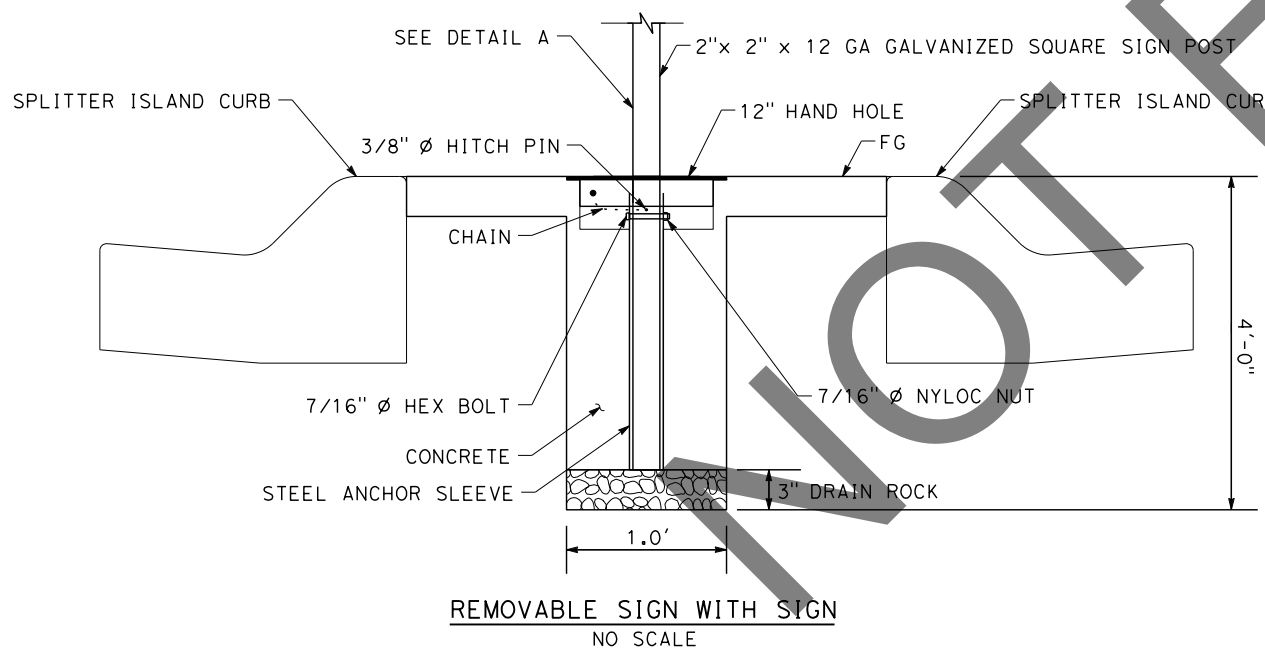
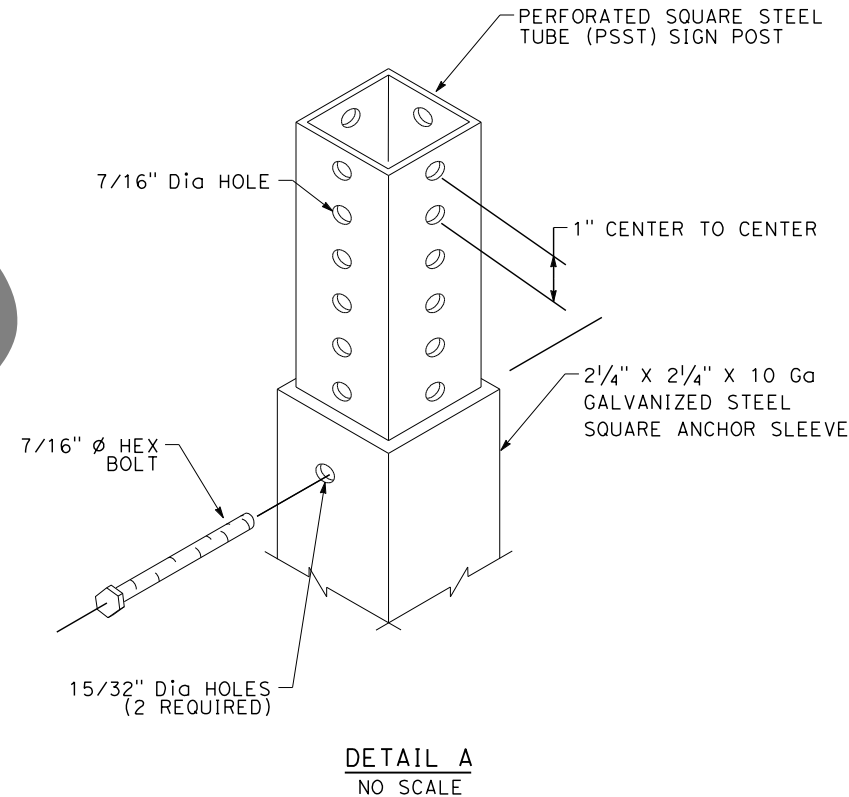
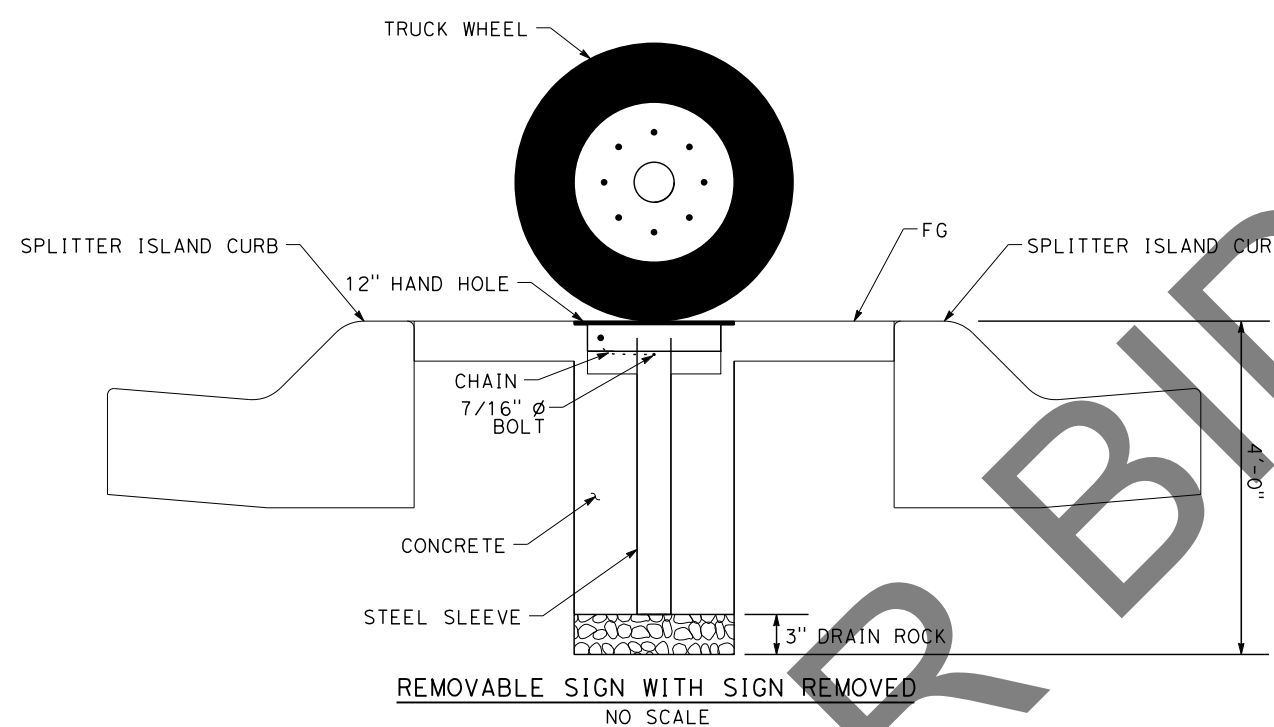
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 TRANSPORTATION DESIGN ENGINEERING MANAGER
 CHECKED BY: *JP* LK
 APPROVED BY: *Thomas Bustamonte* 6/26/24 DATE
 SUPERVISING ENGINEER
 DEPUTY DIRECTOR

CONSTRUCTION DETAILS
 SCALE: 1"=1'
 STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT
 BIG BEAR AREA

ROAD NO. _____
 W.O. NO. H15055
 SHEET 22 OF 72

STEPS:

- 1) LIFT HAND HOLE COVER BY SLIDING IT UP THE SIGN POST
- 2) PLACE 3/8" HATCH PIN THROUGH THE SIGN POST TO KEEP THE HAND HOLE COVER ELEVATED
- 3) REMOVE THE 7/16" NYLOC END BOLT
- 4) REMOVE SIGN AND HAND HOLE COVER ASSEMBLY
- 5) REMOVE 7/16" PIN AND SLIDE OFF HAND HOLE COVER
- 6) PLACE HAND HOLE COVER ON HAND HOLE FRAME



REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

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DGN FILE => 25530d015.dgn

Underground Service Alert+

 Call: 811
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB. +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SPSN
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA. 916-858-0642
 MATTHEW ATKINSON, PROJECT MANAGER
 06/12/24
 DATE



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *Chris Nguyen* 6/26/24
 DATE: 6/26/24
 TRANSPORTATION DESIGN ENGINEERING MANAGER

DRAWN BY: *JP*
 DATE: 6/26/24

CHECKED BY: *LK*
 DATE: 6/26/24

APPROVED BY: *Thomas Bustamonte* 6/26/24
 DATE: 6/26/24
 SUPERVISING ENGINEER

APPROVED BY: *Mervat Mikhail* 6/26/24
 DATE: 6/26/24
 DEPUTY DIRECTOR

CONSTRUCTION DETAILS
 SCALE: 1"=3'

STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT

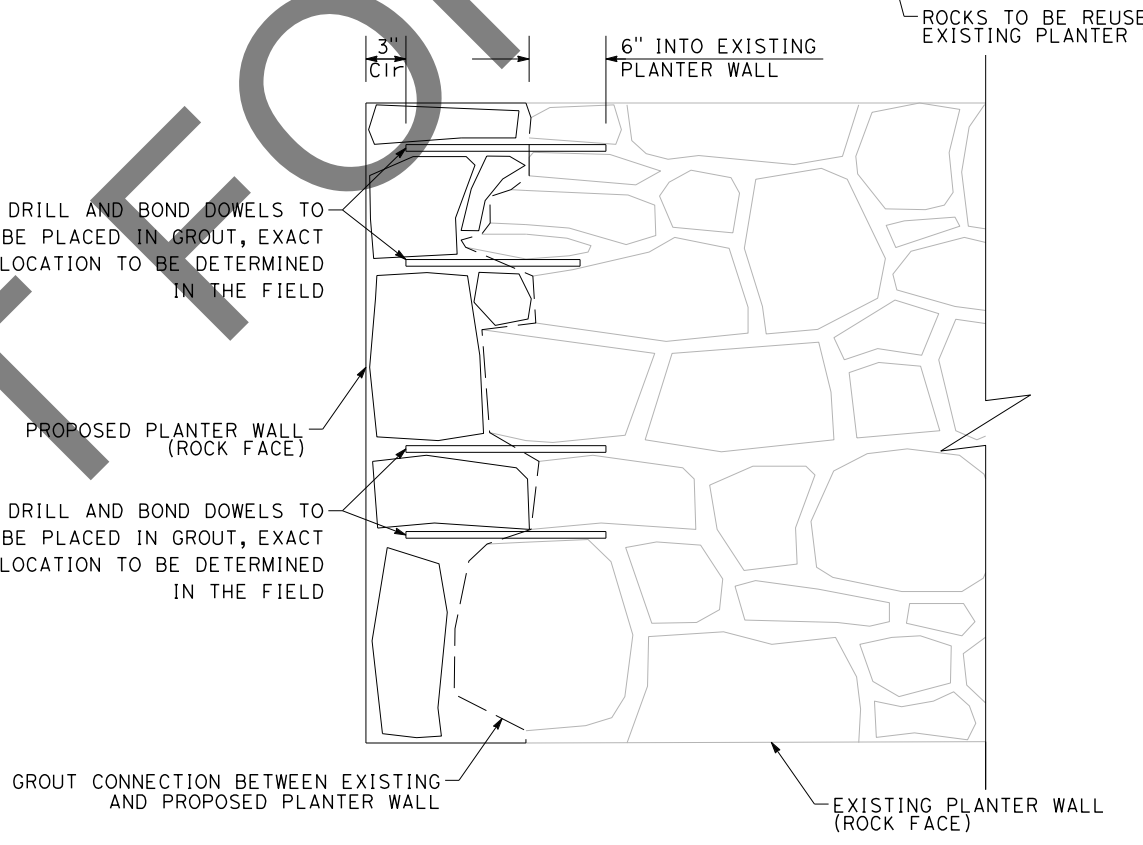
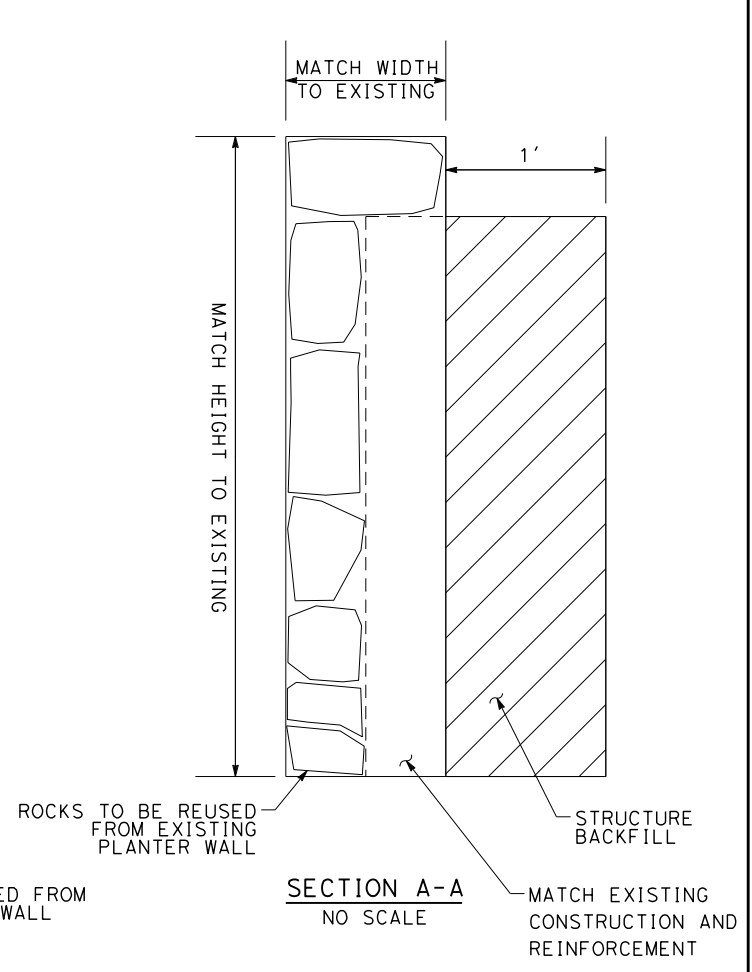
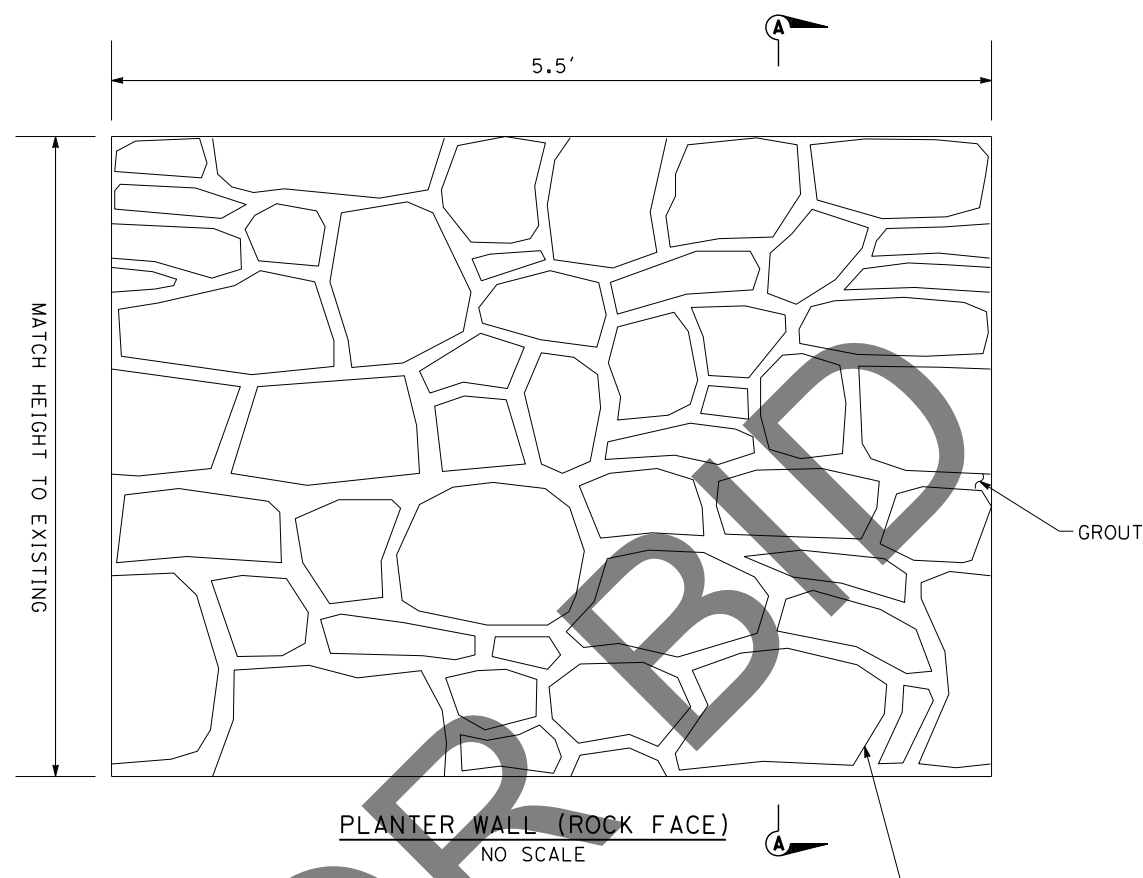
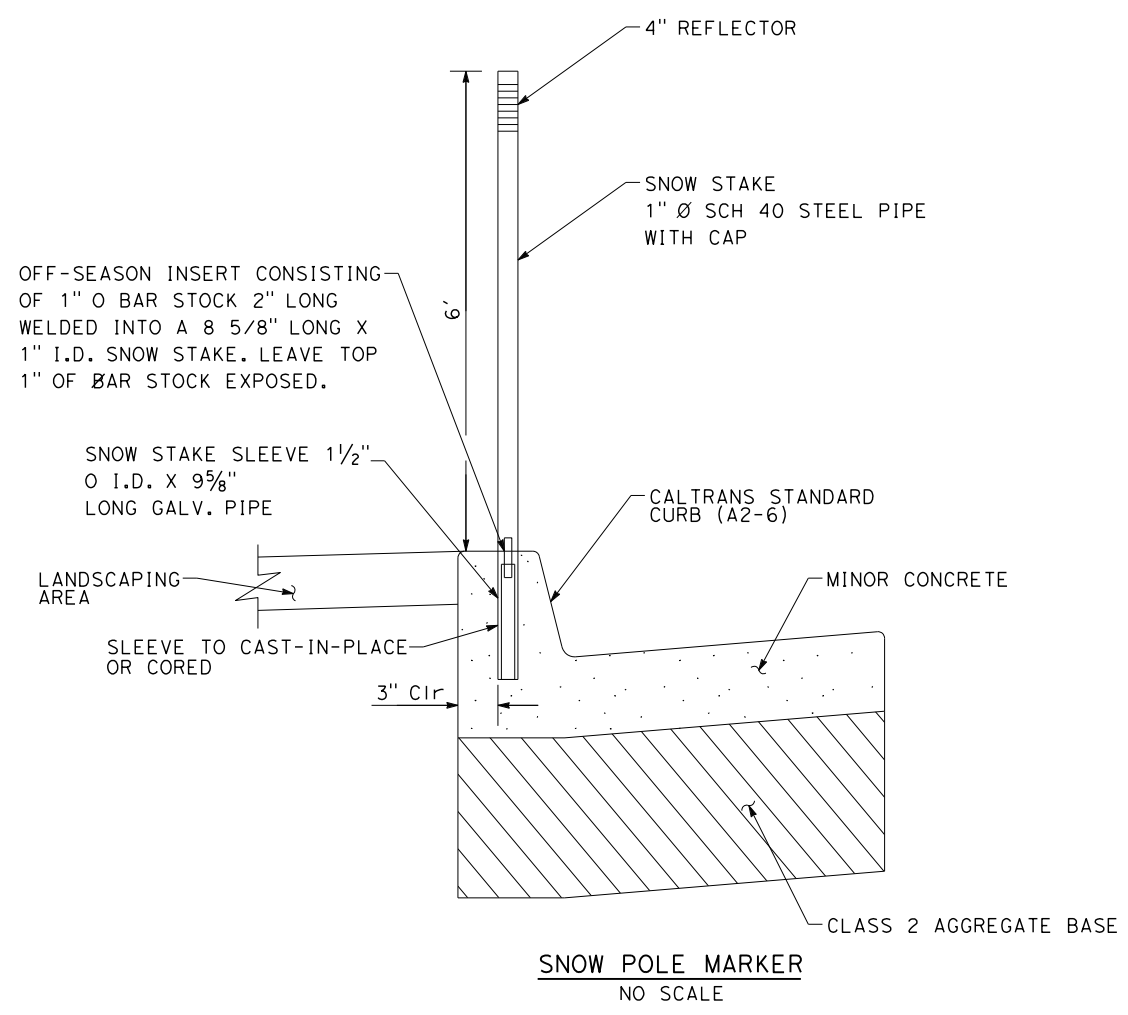
BIG BEAR AREA

ROAD NO.
 W.O. NO.
 H15055
 SHEET 23 OF 72

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REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE



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C-16








<p>Underground Service Alert Call: 811 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY: 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642 MATTHEW ATKINSON, PROJECT MANAGER 06/12/24 DATE</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	REVISIONS	APPR.	DATE																	<p style="text-align: center;">SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DESIGNED BY: <i>Chris Nguyen</i> 6/26/24 DATE TRANSPORTATION DESIGN ENGINEERING MANAGER</p> <p>APPROVED BY: <i>Thomas Bustamonte</i> 6/26/24 DATE SUPERVISING ENGINEER</p> <p>DESIGNED BY: RS DRAWN BY: JP CHECKED BY: LK</p> <p>APPROVED BY: <i>Mervat Mikhail</i> 6/26/2024 DATE DEPUTY DIRECTOR</p>	<p>CONSTRUCTION DETAILS SCALE: 1"=3'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO. </p> <p>W.O. NO. H15055</p> <p>SHEET 24 OF 72</p>
					MARK	REVISIONS	APPR.	DATE																			

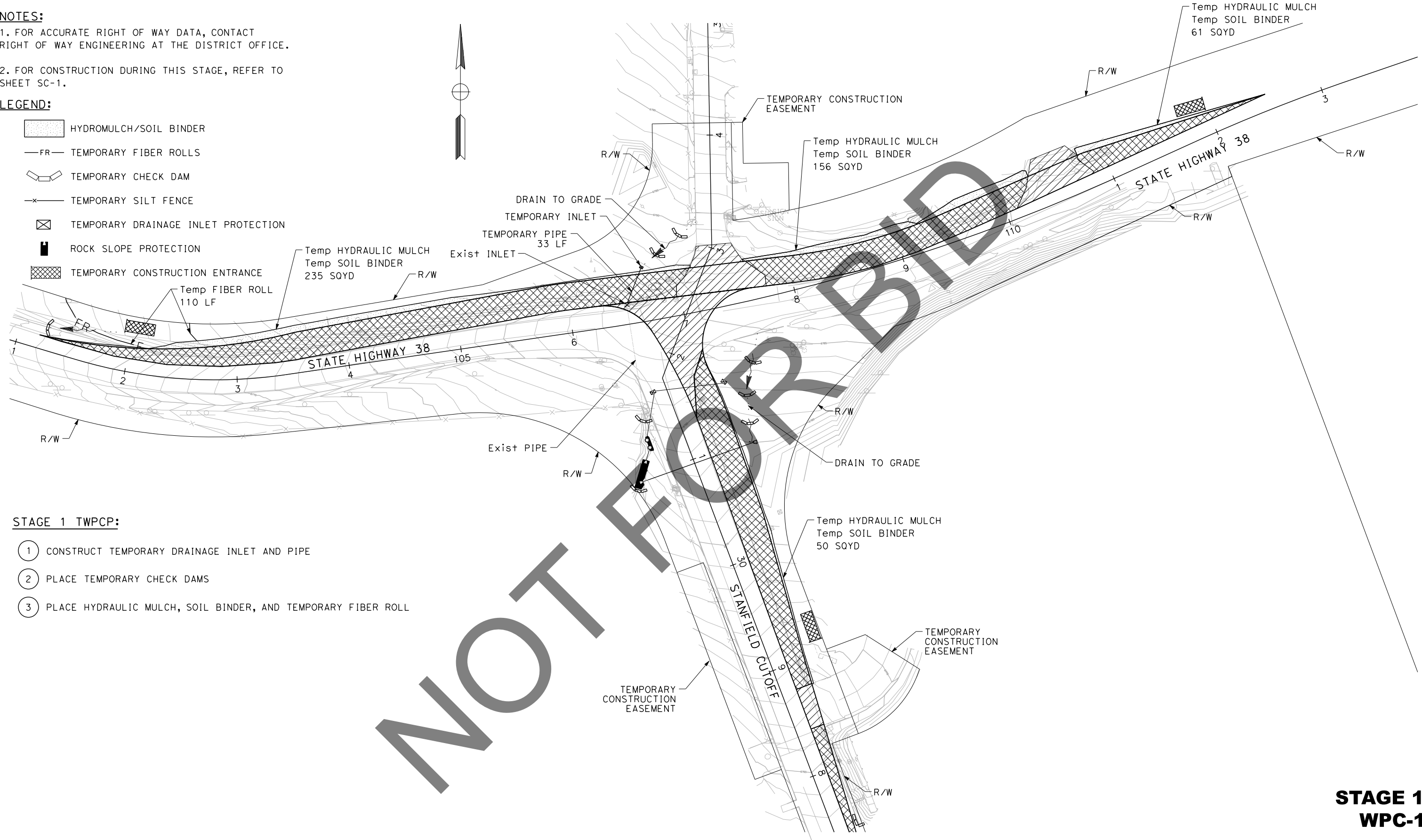
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

2. FOR CONSTRUCTION DURING THIS STAGE, REFER TO SHEET SC-1.

LEGEND:

-  HYDROMULCH/SOIL BINDER
-  TEMPORARY FIBER ROLLS
-  TEMPORARY CHECK DAM
-  TEMPORARY SILT FENCE
-  TEMPORARY DRAINAGE INLET PROTECTION
-  ROCK SLOPE PROTECTION
-  TEMPORARY CONSTRUCTION ENTRANCE





STAGE 1 TWPCP:

- 1 CONSTRUCT TEMPORARY DRAINAGE INLET AND PIPE
- 2 PLACE TEMPORARY CHECK DAMS
- 3 PLACE HYDRAULIC MULCH, SOIL BINDER, AND TEMPORARY FIBER ROLL

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

STAGE 1 WPC-1

<p>Underground Service Alert</p>  <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK</p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p>DOKKEN ENGINEERING</p> <p>110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642</p> <p>06/12/24 MATTHEW ATKINSON, PROJECT MANAGER</p>		<table border="1"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	REVISIONS	APPR.	DATE									<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DESIGNED BY: <u>RS</u> DATE: 6/26/24 DRAWN BY: <u>JP</u> CHECKED BY: <u>LK</u></p> <p>APPROVED BY: <u>Thomas Bustamonte</u> DATE: 6/26/24 THOMAS BUSTAMONTE, P.E., SUPERVISING ENGINEER</p> <p>APPROVED BY: <u>Mervat Mikhail</u> DATE: 6/26/2024 MERVAT MIKHAIL, P.E., DEPUTY DIRECTOR</p>	<p>TEMPORARY WATER POLLUTION CONTROL PLAN</p> <p>SCALE: 1"=40'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDBOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO.</p> <p>W.O. NO. H15055</p> <p>SHEET 25 OF 72</p>
MARK	REVISIONS	APPR.	DATE																





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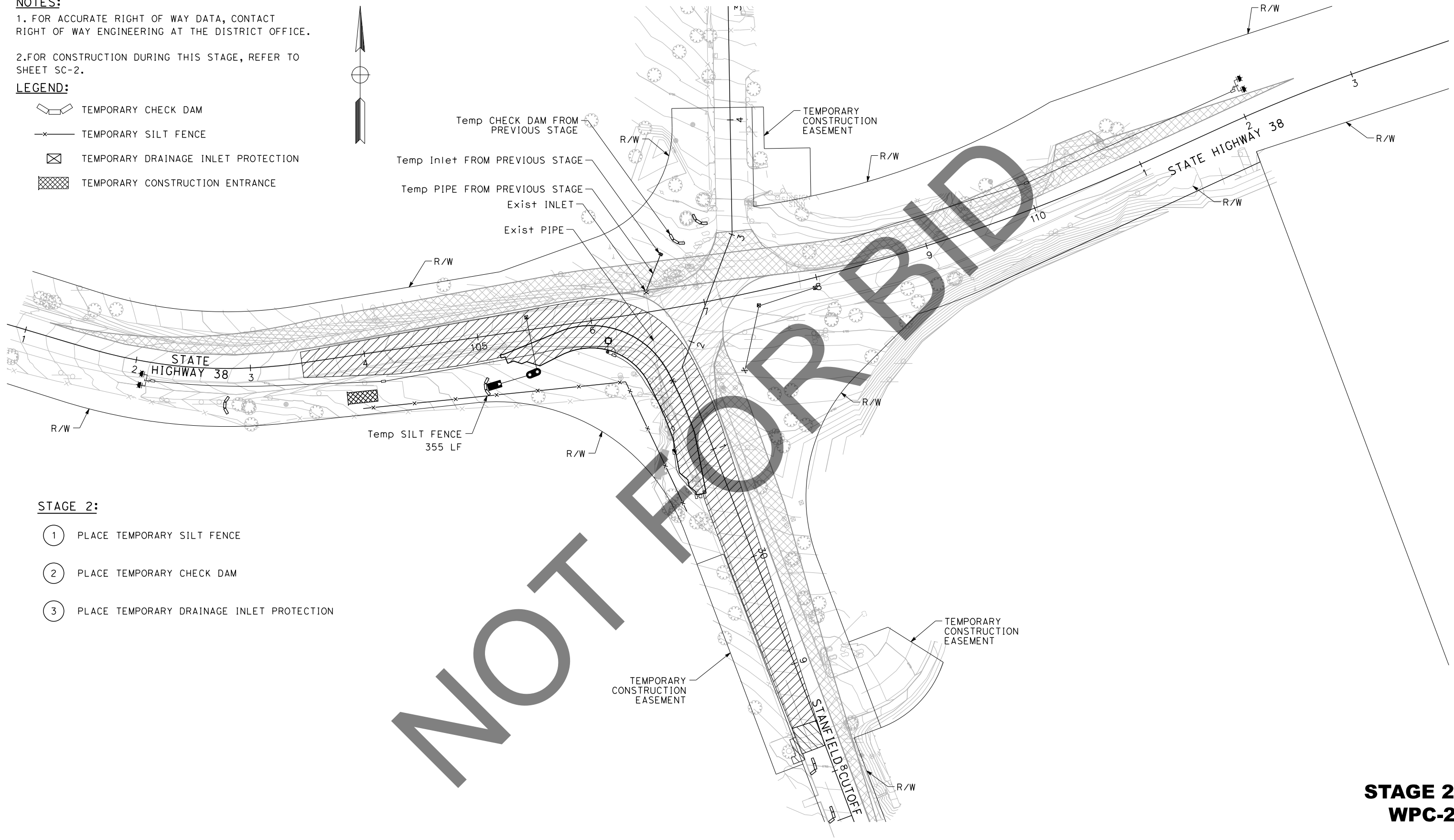
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

2. FOR CONSTRUCTION DURING THIS STAGE, REFER TO SHEET SC-2.

LEGEND:

-  TEMPORARY CHECK DAM
-  TEMPORARY SILT FENCE
-  TEMPORARY DRAINAGE INLET PROTECTION
-  TEMPORARY CONSTRUCTION ENTRANCE



STAGE 2:

- 1 PLACE TEMPORARY SILT FENCE
- 2 PLACE TEMPORARY CHECK DAM
- 3 PLACE TEMPORARY DRAINAGE INLET PROTECTION

**STAGE 2
WPC-2**

REVISION 01/12/2023
 DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:58:12 PM
 USERNAME => dnucl1
 DGN FILE => 25539d002.dgn

MARK	REVISIONS	APPR.	DATE

Underground Service Alert+
 Call: 811
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB, +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SPSN
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642
 MATTHEW ATKINSON, PROJECT MANAGER 06/12/24 DATE



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: RS DATE: 6/26/24
 DRAWN BY: JP
 CHECKED BY: LK

APPROVED BY: Thomas Bustamonte DATE: 6/26/24
 THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER
 MERVAT MIRHAIL, P.E. DEPUTY DIRECTOR

TEMPORARY WATER POLLUTION CONTROL PLAN
 SCALE: 1"=40'
 STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT
 BIG BEAR AREA

ROAD NO.
 W.O. NO.
 H15055
 SHEET 26 OF 72

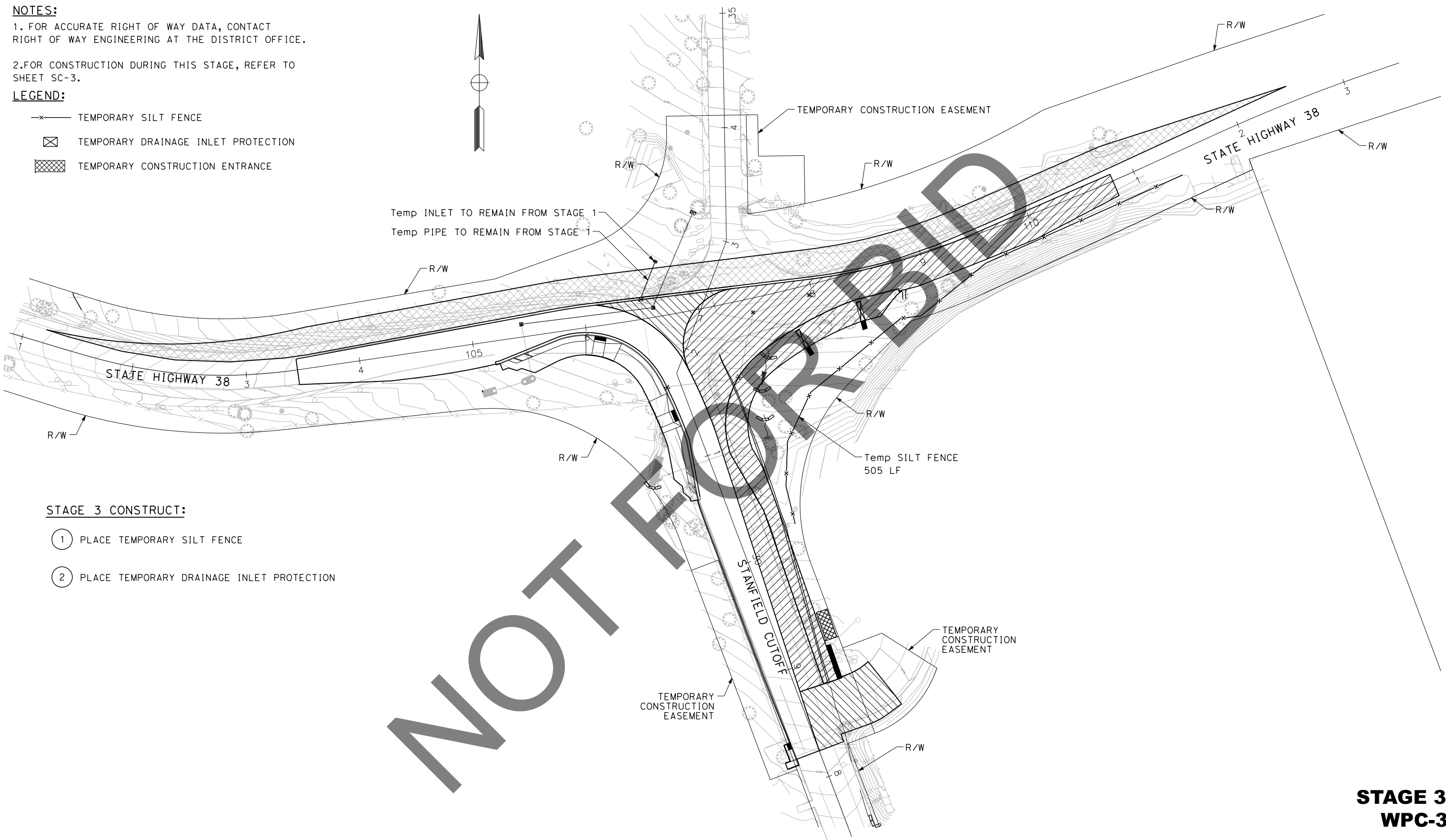
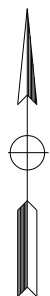
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

2. FOR CONSTRUCTION DURING THIS STAGE, REFER TO SHEET SC-3.

LEGEND:

- x- TEMPORARY SILT FENCE
- ☒ TEMPORARY DRAINAGE INLET PROTECTION
- ▨ TEMPORARY CONSTRUCTION ENTRANCE



STAGE 3 CONSTRUCT:

- 1 PLACE TEMPORARY SILT FENCE
- 2 PLACE TEMPORARY DRAINAGE INLET PROTECTION

NOT FOR BIDD

**STAGE 3
WPC-3**

USERNAME => dnucl
 DGN FILE => 25539d003.dgn
 DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:58:14 PM
 REVISIONS
 MARK
 APPR. DATE
 REVISIONS
 MARK
 APPR. DATE

REVISION 01/12/2023





<p>Underground Service Alert</p> <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK</p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p>DOKKEN ENGINEERING</p> <p>110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642</p> <p>06/12/24 MATTHEW ATKINSON, PROJECT MANAGER DATE</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	MARK	REVISIONS	APPR	DATE																	<p style="text-align: center;">SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>CHRIS NGUYEN, P.E. TRANSPORTATION DESIGN ENGINEERING MANAGER 6/26/24 DATE</p> <p>Thomas Bustamonte THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER 6/26/24 DATE</p> <p>DESIGNED BY: RS DRAWN BY: JP CHECKED BY: LK</p> <p>APPROVED BY: Mervat Mikhail Mervat Mikhail, P.E. DEPUTY DIRECTOR 6/26/2024 DATE</p>	<p style="text-align: center;">TEMPORARY WATER POLLUTION CONTROL PLAN</p> <p style="text-align: center;">SCALE: 1"=40'</p> <p style="text-align: center;">STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDBOUT</p> <p style="text-align: center;">BIG BEAR AREA</p>	<p>ROAD NO.</p> <p>W.O. NO. H15055</p> <p>SHEET 27 OF 72</p>
MARK	REVISIONS	APPR	DATE																								

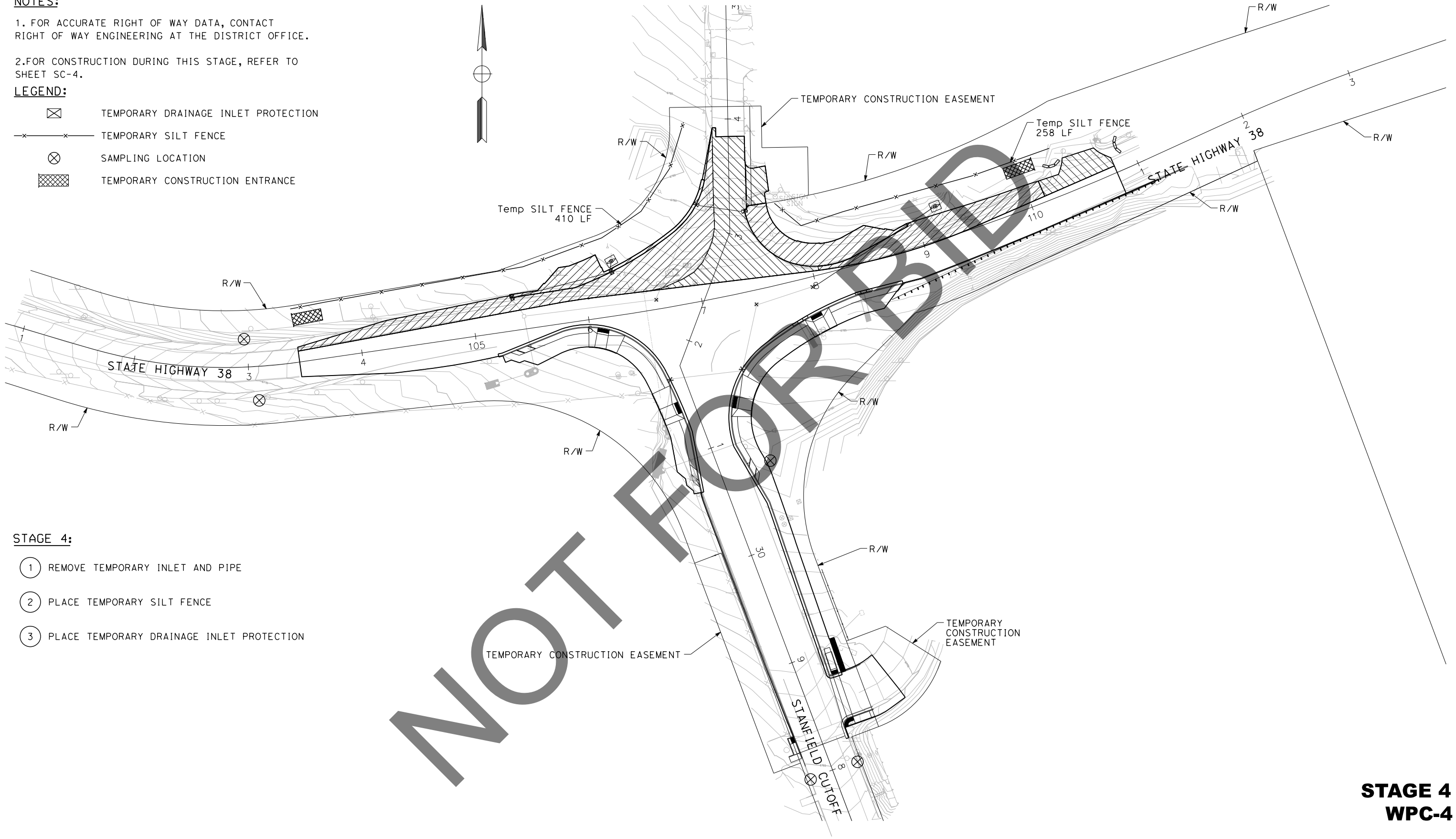
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

2. FOR CONSTRUCTION DURING THIS STAGE, REFER TO SHEET SC-4.

LEGEND:

-  TEMPORARY DRAINAGE INLET PROTECTION
-  TEMPORARY SILT FENCE
-  SAMPLING LOCATION
-  TEMPORARY CONSTRUCTION ENTRANCE







STAGE 4:

- 1 REMOVE TEMPORARY INLET AND PIPE
- 2 PLACE TEMPORARY SILT FENCE
- 3 PLACE TEMPORARY DRAINAGE INLET PROTECTION

**STAGE 4
WPC-4**

DATE PLOTTED => 6/21/2024
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REVISION 01/12/2023

 <p>Underground Service Alert Call: 811 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:  110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642 MATTHEW ATKINSON, PROJECT MANAGER</p>		<table border="1"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	REVISIONS	APPR	DATE					<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p>	<p>DESIGNED BY: <u>RS</u> DRAWN BY: <u>JP</u> CHECKED BY: <u>LK</u></p>	<p>APPROVED BY:  MERVAT MIKHAIL, P.E. DEPUTY DIRECTOR</p>	<p>6/26/24 DATE</p>	<p>6/26/24 DATE</p>	<p>6/26/24 DATE</p>	<p>TEMPORARY WATER POLLUTION CONTROL PLAN SCALE: 1"=40'</p>	<p>ROAD NO. STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT</p>	<p>W.O. NO. H15055</p>
		MARK		REVISIONS	APPR	DATE															
<p>06/12/24 DATE</p>	<p>THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</p>	<p>6/26/24 DATE</p>	<p>6/26/24 DATE</p>	<p>BIG BEAR AREA</p>	<p>SHEET 28 OF 72</p>																

WATER POLLUTION CONTROL QUANTITIES

SHEET No.	STAGE No.	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY CONSTRUCTION ENTRANCE
		EA	EA
WPC-1	1	4	3
WPC-2	2	3	1
WPC-3	3	4	1
WPC-4	4	5	2
TOTAL		16	7

WATER POLLUTION CONTROL QUANTITIES

SHEET No.	STAGE No.	STATION LIMITS	LOCATION	TEMPORARY HYDROMULCH	TEMPORARY SOIL BINDER	FIBER ROLLS	TEMPORARY CHECK DAM	TEMPORARY SILT FENCE
				SQYD	SQYD	LF	LF	LF
WPC-1	1	"HW38" 101+18.00 TO 108+13.40	LEFT	235	235	110	-	-
		"HW38" 107+60.00 TO 110+30.00	LEFT	156	156	-	-	-
		"HW38" 110+78.35 TO 112+51.75	LEFT	61	61	-	-	-
		"S" 28+76.67 TO 32+05.84	RIGHT	50	50	-	-	-
		"HW38" 106+70.40 TO 107+26.80	LEFT	-	-	-	62	-
		"S" 30+98.00 TO 31+48.00	LEFT	-	-	-	55	-
		"S" 30+96.00 TO 31+43.50	RIGHT	-	-	-	98	-
		"HW38" 101+20.50 TO 102+25.00	LEFT	-	-	-	60	-
WPC-2	2	"S" 28+48.00 TO 20+52.00	RIGHT	-	-	-	5	-
		"HW38" 103+92.25 TO "S" 31+13.00	RIGHT/LEFT	-	-	-	-	355
		"HW38" 102+80.00 TO "HW38" 103+00.00	RIGHT	-	-	-	40	-
WPC-3	3	"S" 27+60 TO 28+25.00	LEFT	-	-	-	65	-
		"S" 30+17.25 TO "HW38" 111+37.40	RIGHT	-	-	-	-	505
WPC-4	4	"HW38" 103+43.50 TO 107+15.00	LEFT	-	-	-	-	410
		"HW38" 107+81.50 TO 110+33.00	LEFT	-	-	-	-	258
		"HW38" 107+80.00 TO 108+40	RIGHT	-	-	-	-	60
		"HW38" 110+30.00 TO 110+90.00	LEFT	-	-	-	-	60
TOTAL				502	502	110	280	1648

NOT FOR BID

WPCQ-1

DATE PLOTTED => 6/21/2024
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REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

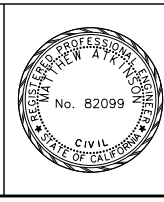
Underground Service Alert

 Call: 811
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB, +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SPSN
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA. 916-858-0642
 MATTHEW ATKINSON, PROJECT MANAGER
 06/12/24
 DATE



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: RS DATE: 6/26/24
 DRAWN BY: JP
 CHECKED BY: LK

APPROVED BY: Thomas Bustamonte DATE: 6/26/24
 THOMAS BUSTAMONTE, P.E., SUPERVISING ENGINEER

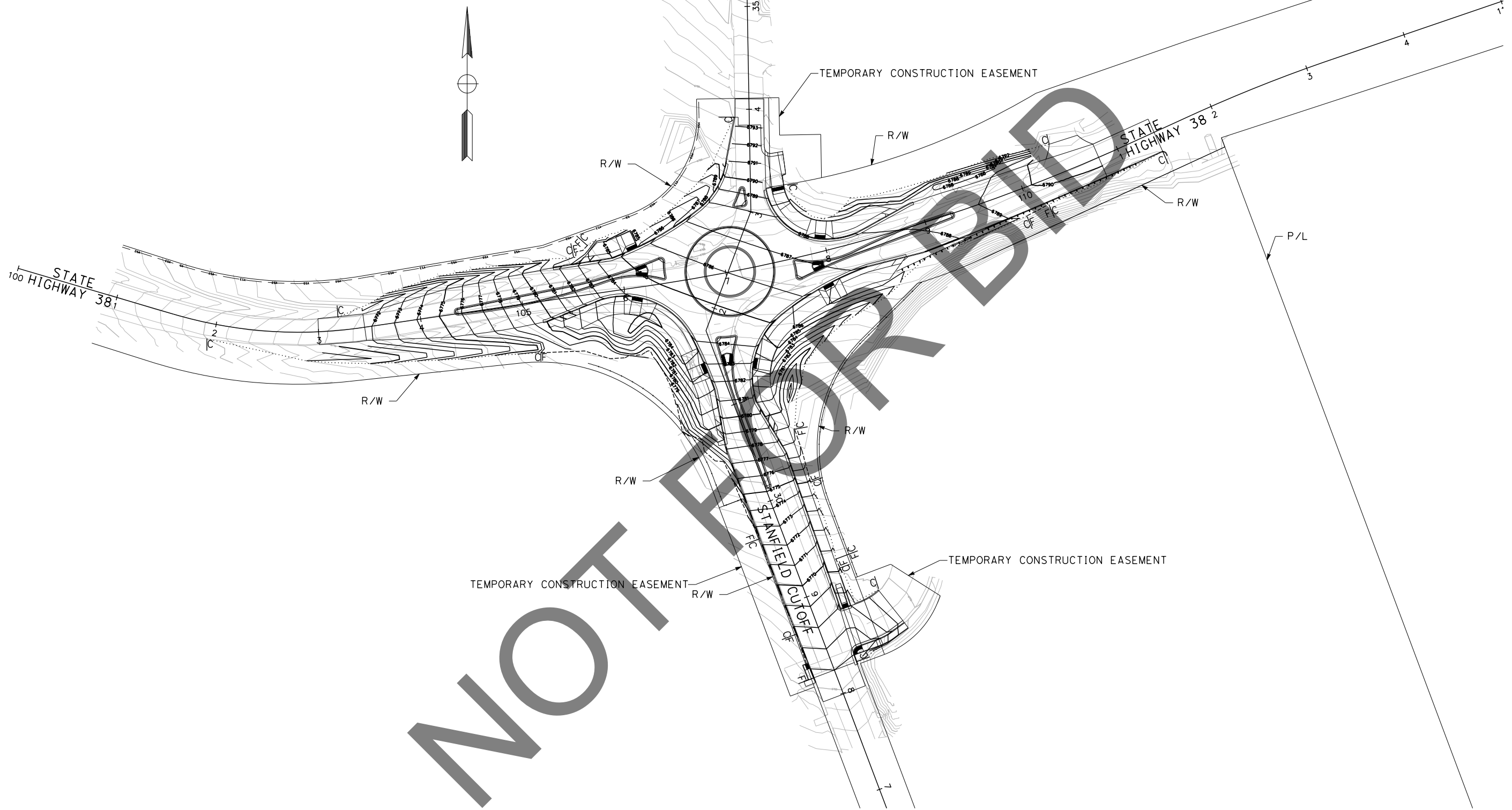
APPROVED BY: Mervat Mirhail DATE: 6/26/2024
 MERVAT MIRHAIL, P.E., DEPUTY DIRECTOR

TEMPORARY WATER POLLUTION CONTROL QUANTITIES
NO SCALE
 STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT
 BIG BEAR AREA

ROAD NO.
 W.O. NO. H15055
 SHEET 29 OF 72

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:58:11 PM
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 DGN FILE => 2553hd001.dgn

G-1

Underground Service Alert

 Call: 811
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB, +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
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 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642
 MATTHEW ATKINSON, PROJECT MANAGER
 06/12/24
 DATE



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: RS DATE: 6/26/24
 DRAWN BY: JP
 CHECKED BY: LK

APPROVED BY: Thomas Bustamonte DATE: 6/26/24
 THOMAS BUSTAMONTE, P.E., SUPERVISING ENGINEER
 APPROVED BY: Mervat Mirhail DATE: 6/26/2024
 MERVAT MIRHAIL, P.E., DEPUTY DIRECTOR

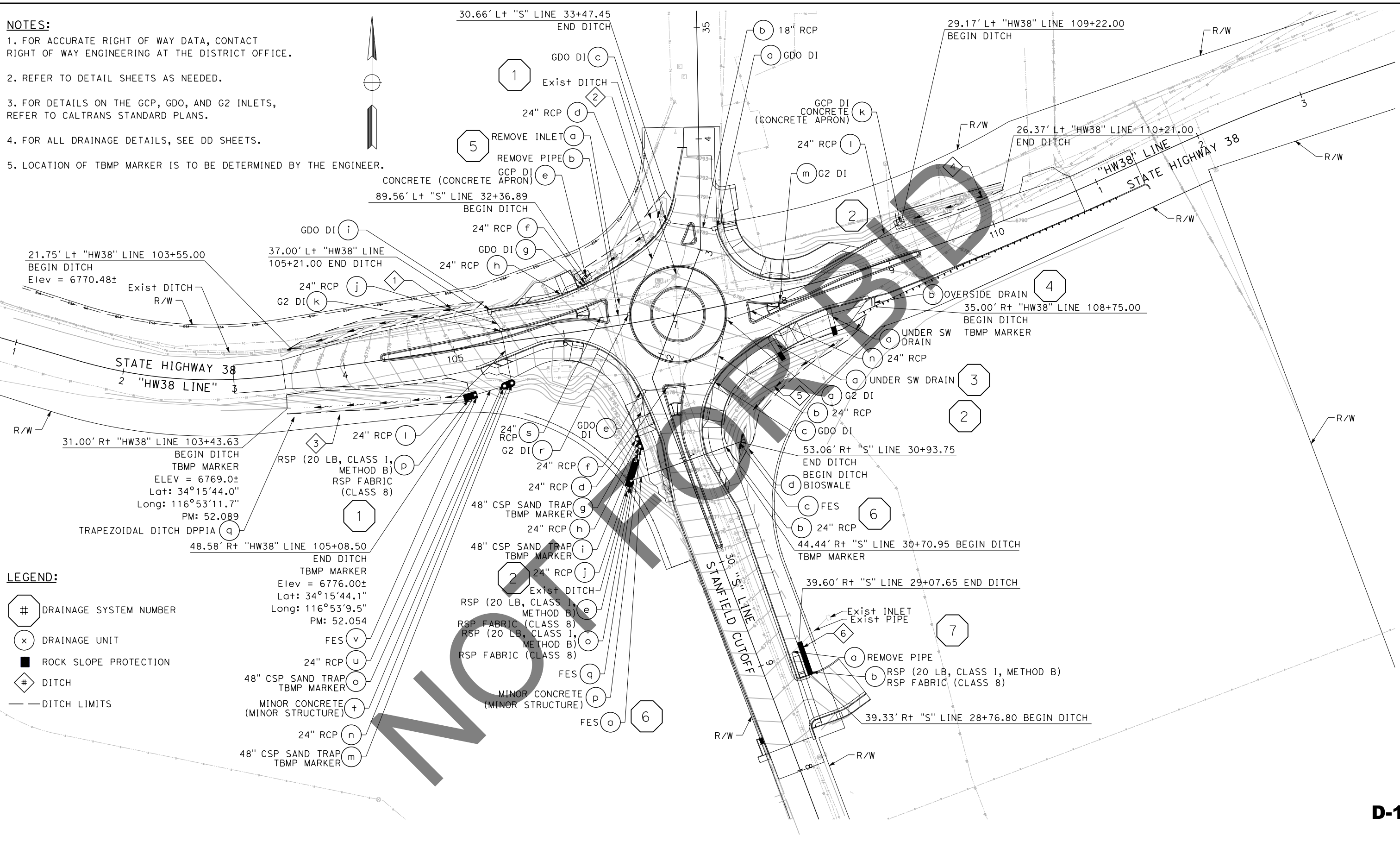
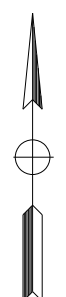
CONTOUR GRADING
 SCALE: 1"=50'

ROAD NO. STATE HIGHWAY 38
 W.O. NO. H15055
 SHEET 30 OF 72

BIG BEAR AREA

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO DETAIL SHEETS AS NEEDED.
3. FOR DETAILS ON THE GCP, GDO, AND G2 INLETS, REFER TO CALTRANS STANDARD PLANS.
4. FOR ALL DRAINAGE DETAILS, SEE DD SHEETS.
5. LOCATION OF TBMP MARKER IS TO BE DETERMINED BY THE ENGINEER.



LEGEND:

- # DRAINAGE SYSTEM NUMBER
- x DRAINAGE UNIT
- ROCK SLOPE PROTECTION
- # DITCH
- DITCH LIMITS
- FES v
- 24" RCP u
- 48" CSP SAND TRAP TBMP MARKER o
- MINOR CONCRETE (MINOR STRUCTURE) t
- 24" RCP n
- 48" CSP SAND TRAP TBMP MARKER m
- RSP (20 LB, CLASS 1, METHOD B) RSP FABRIC (CLASS 8) p
- Elev = 6776.00±
- Lat: 34°15'44.1"
- Long: 116°53'9.5"
- PM: 52.054

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

Underground Service Alert!

Call: 811

TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK

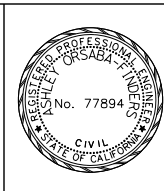
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STANFIELD CUTOFF AS SHOWN PER SPSN
00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

Ashley Orsaba-Finders, Senior Engineer

06/12/24 DATE



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: CHRIS NGUYEN, P.E., TRANSPORTATION DESIGN ENGINEERING MANAGER

DATE: 6/26/24

DRAWN BY: AOF

CHECKED BY: JP, LK

APPROVED BY: Thomas Bustamonte, P.E., SUPERVISING ENGINEER

DATE: 6/26/24

APPROVED BY: Mervat Mikhail, P.E., DEPUTY DIRECTOR

DATE: 6/26/2024

DRAINAGE PLAN
SCALE: 1"=40'

STATE HIGHWAY 38
STANFIELD CUTOFF
ROUNDBOUT

BIG BEAR AREA

ROAD NO. _____

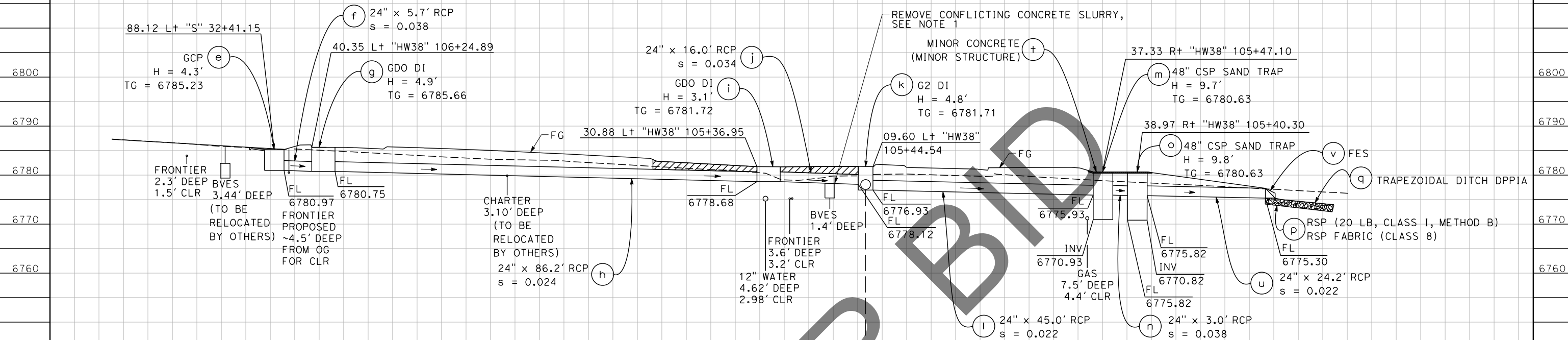
W.O. NO. H15055

SHEET 31 OF 72

D-1

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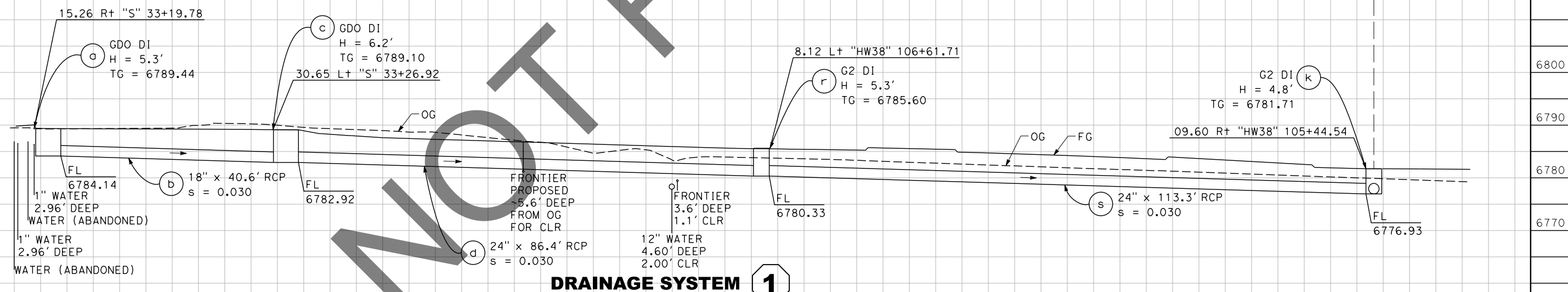
MINOR CONCRETE (BACKFILL)



NOTE:

1. BEFORE ANY REMOVAL OF CONCRETE SLURRY OF ELECTRICAL TRENCH, CONTACT BVES FOR ONSITE OBSERVATION.

IDENTICAL



DP-1

REVISION 01/12/2023
 DATE PLOTTED => 6/21/2024
 TIME PLOTTED => 2:58:20 PM
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MARK	REVISIONS	APPR.	DATE

Underground Service Alert!

Call: 811

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PREPARED BY:

110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

Ashley Orsaba-Finders
 ASHLEY ORSABA-FINDERS, SENIOR ENGINEER

06/12/24
 DATE



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *Chris Nguyen* 6/26/24
 DATE: 6/26/24
 TRANSPORTATION DESIGN ENGINEERING MANAGER

APPROVED BY: *Thomas Bustamonte* 6/26/24
 DATE: 6/26/2024
 SUPERVISING ENGINEER

DRAWN BY: *JP*
 CHECKED BY: *LK*

APPROVED BY: *Mervat Mikhail* 6/26/2024
 DATE: 6/26/2024
 DEPUTY DIRECTOR

DRAINAGE PROFILES
 SCALE: 1"=5'

STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT

BIG BEAR AREA

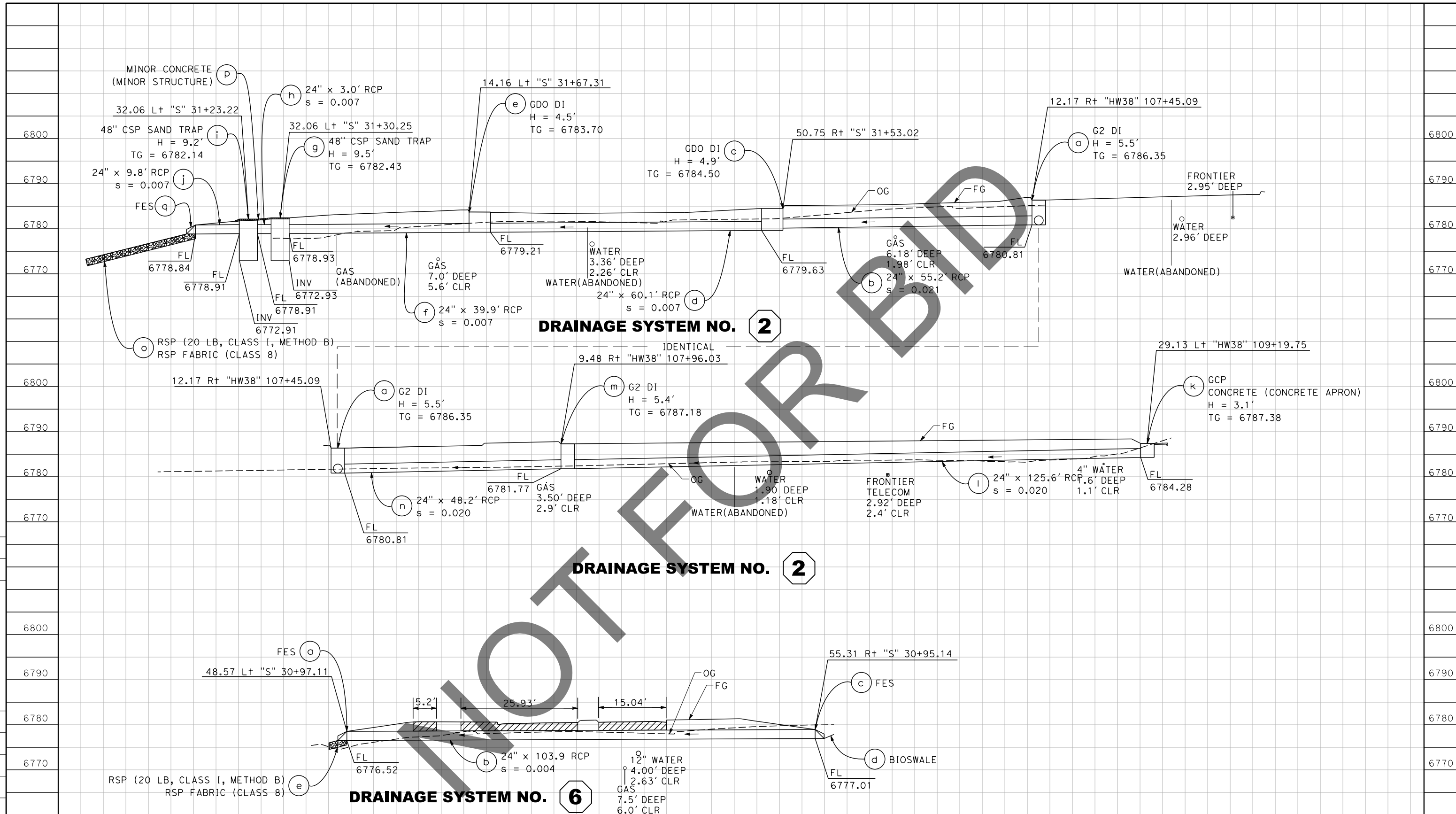
ROAD NO.
 W.O. NO.
 H15055

SHEET 32 OF 72




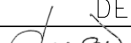

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REVISION 01/12/2023

REVISIONS	DATE	APPR.

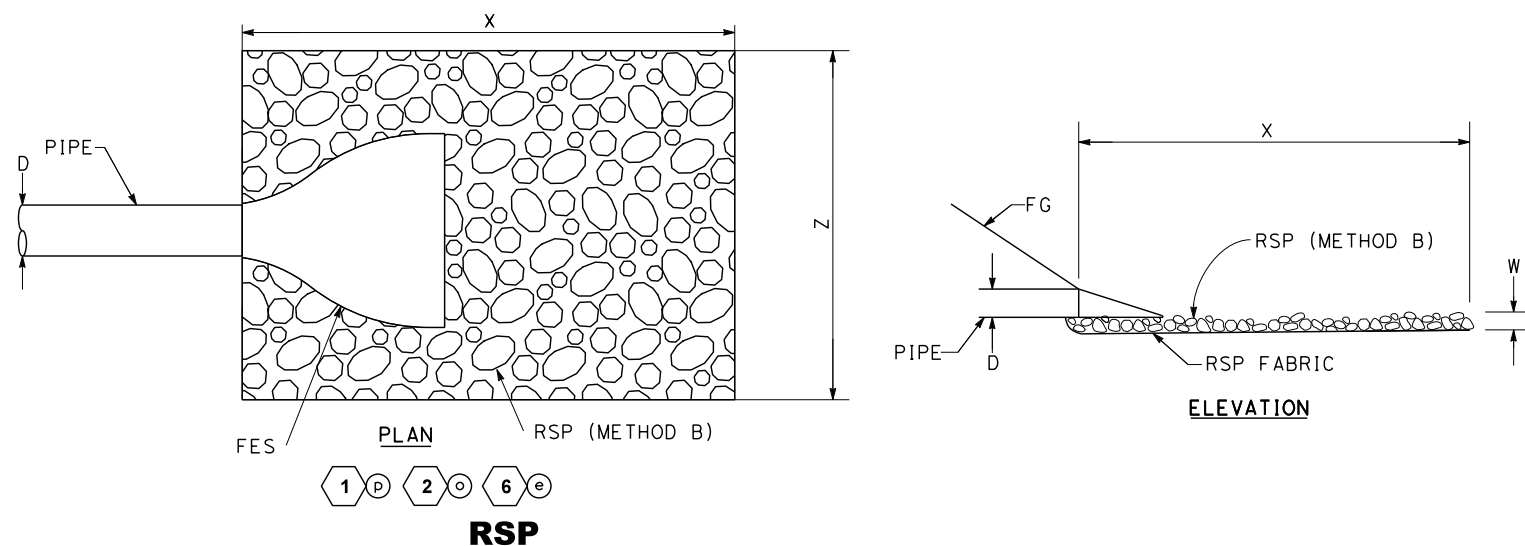


DP-2

<p>Underground Service Alert</p>  <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK</p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p>  <p>110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA. 916-858-0642</p> <p>Ashley Orsaba-Finders, Senior Engineer 06/12/24 DATE</p>	 <p>PROFESSIONAL ENGINEER CIVIL No. 77894 STATE OF CALIFORNIA</p>	<table border="1"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	REVISIONS	APPR.	DATE					<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DESIGNED BY:  6/26/24 DATE: AOF TRANSPORTATION DESIGN ENGINEERING MANAGER</p> <p>THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</p>	<p>DRAWN BY: JP DATE: 6/26/2024</p> <p>CHECKED BY: LK DATE: 6/26/2024</p> <p>APPROVED BY:  6/26/2024 DATE: DEPUTY DIRECTOR</p>	<p>DRAINAGE PROFILES SCALE: 1"=5'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO.</p> <p>W.O. NO. H15055</p> <p>SHEET 33 OF 72</p>
				MARK	REVISIONS	APPR.	DATE									

TBMP MARKER NOTES:

1. PLACE TBMP MARKERS ALONG PERPENDICULAR LINE FROM START AND END LOCATIONS.
2. PLACE TBMP MARKERS 1' FROM EDGE OF HP OR AS DIRECTED BY THE ENGINEER.
3. FOR DETAILS ON TMBP MARKERS NOT SHOWN, REFER TO RSP PLAN A73B.



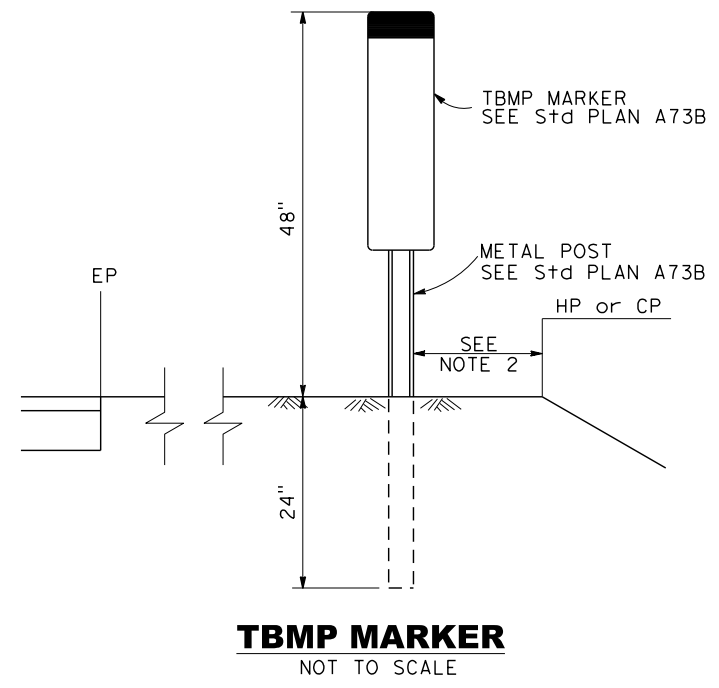
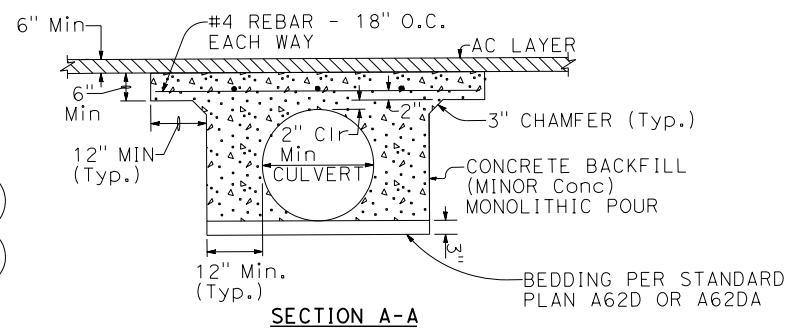
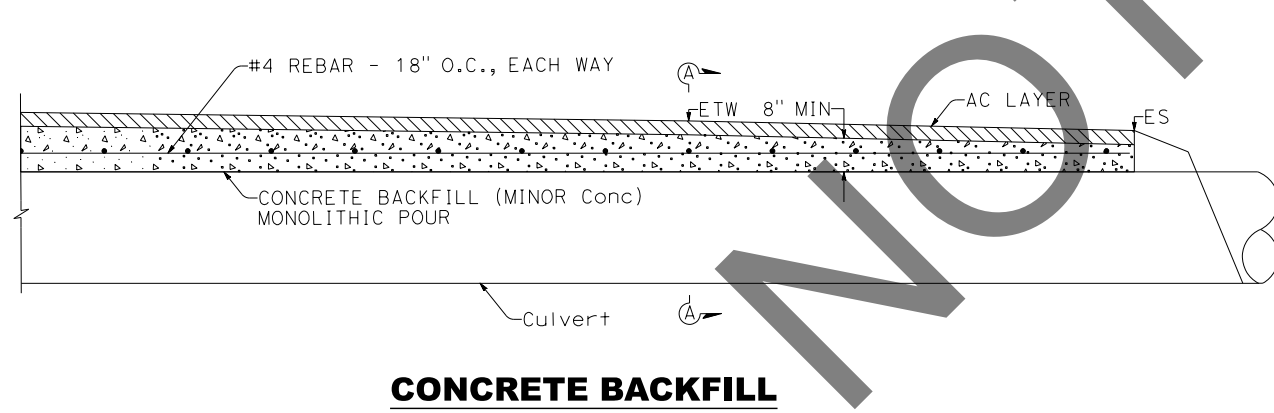
RSP DIMENSIONS

SYSTEM No.	UNIT No.	D (FT)	W (FT)	X (FT)	Z (FT)	RSP TYPE
1	p	2.0	1.2	12	6	CLASS I
2	o	2.0	1.2	26	6	CLASS I
6	e	2.0	1.2	3	6	CLASS I

TBMP MARKER QUANTITIES

QUANTITY	SIDE		STENCIL INFORMATION			LOCATION		BMP TYPE
	R+	L+	COUNTY	ROUTE	PM	NORTHING	EASTING	
1	X		SBD	38	52.09	191966.18	6898083.47	DESIGN POLLUTION PREVENTION INFILTRATION AREA
1	X		SBD	38	52.050	1919674.64	6898248.54	DESIGN POLLUTION PREVENTION INFILTRATION AREA
1	X		SBD	38	51.89	1919612.46	6898490.44	BIOSWALE
1	X		SBD	38	51.86	1919760.13	6898610.13	BIOSWALE
1	X		SBD	38	51.926	19191677.26	6898270.18	48" CSP SAND TRAP
1	X		SBD	38	51.928	1919676.62	6898258.40	48" CSP SAND TRAP
1	X		SBD	38	51.90	1919640.88	6899397.91	48" CSP SAND TRAP
1	X		SBD	38	51.90	1919634.33	6898400.37	48" CSP SAND TRAP
Total	8							

REVISION 01/12/2023



DD-1

DATE PLOTTED => 6/21/2024
TIME PLOTTED => 2:58:22 PM
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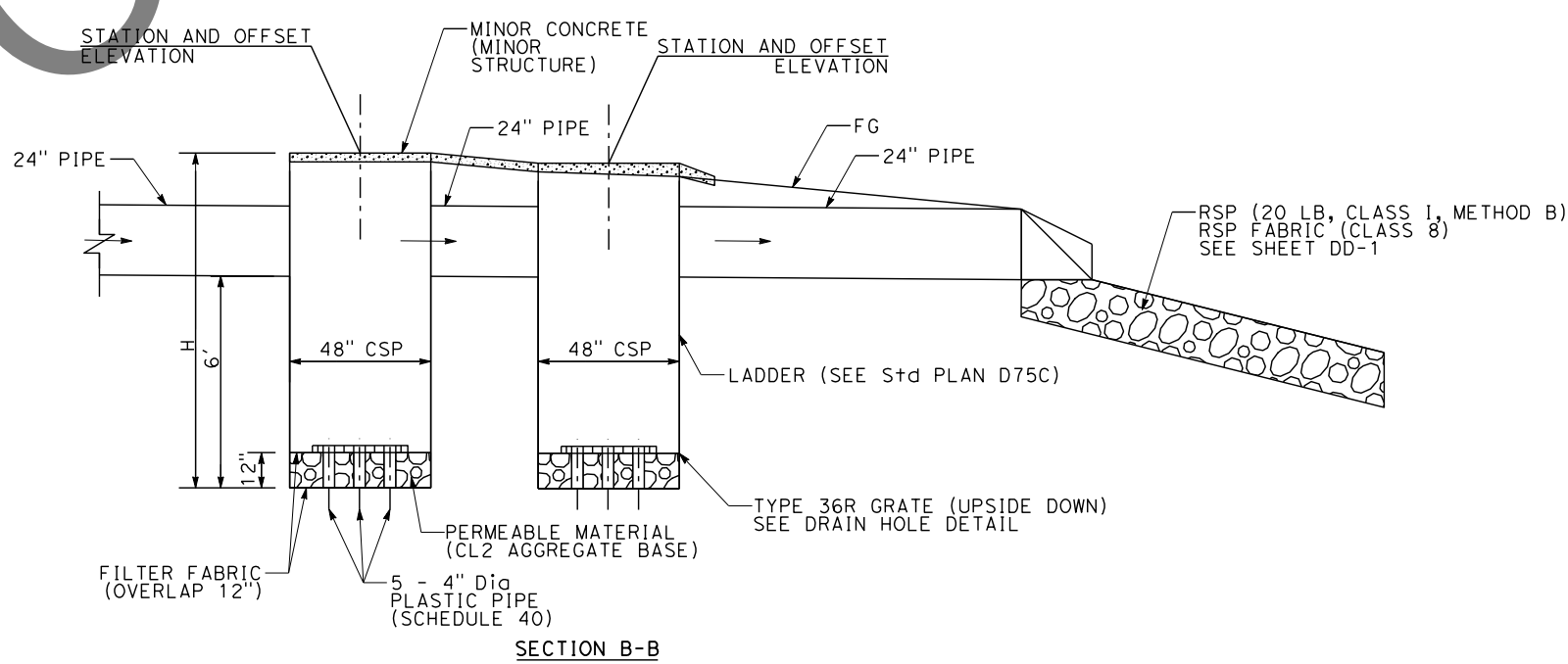
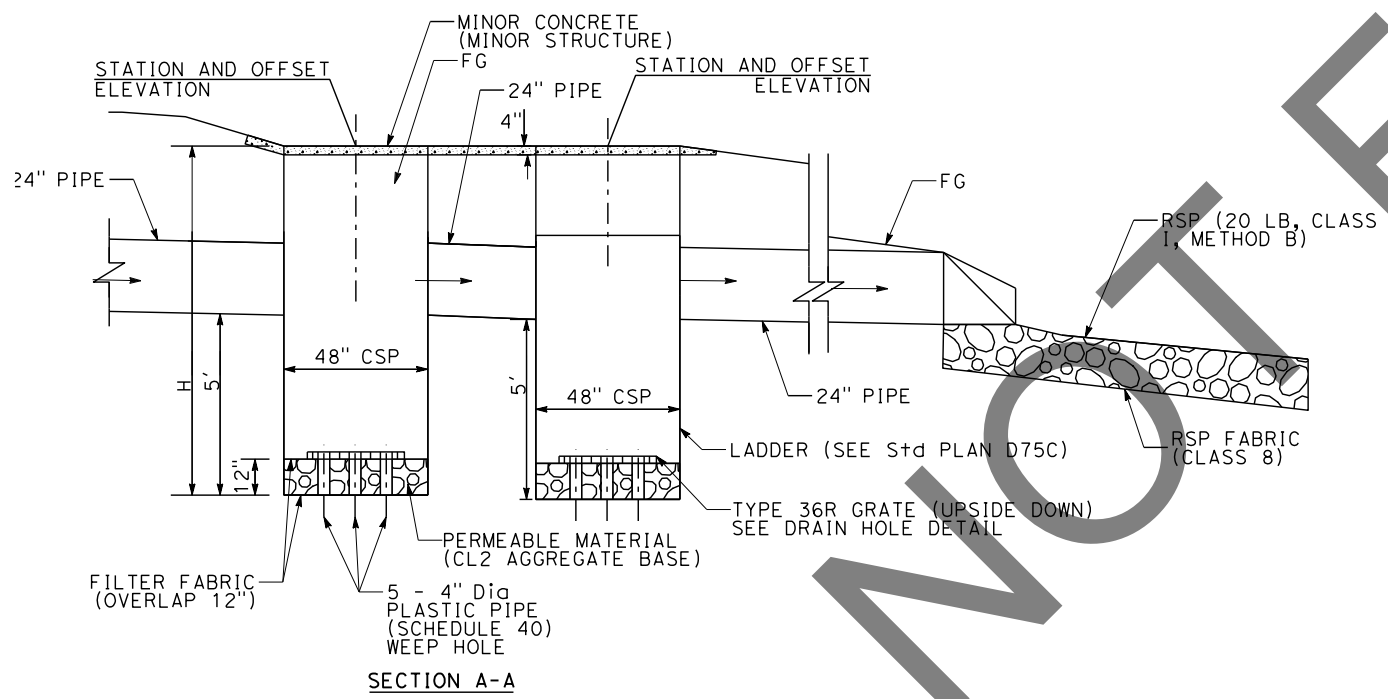
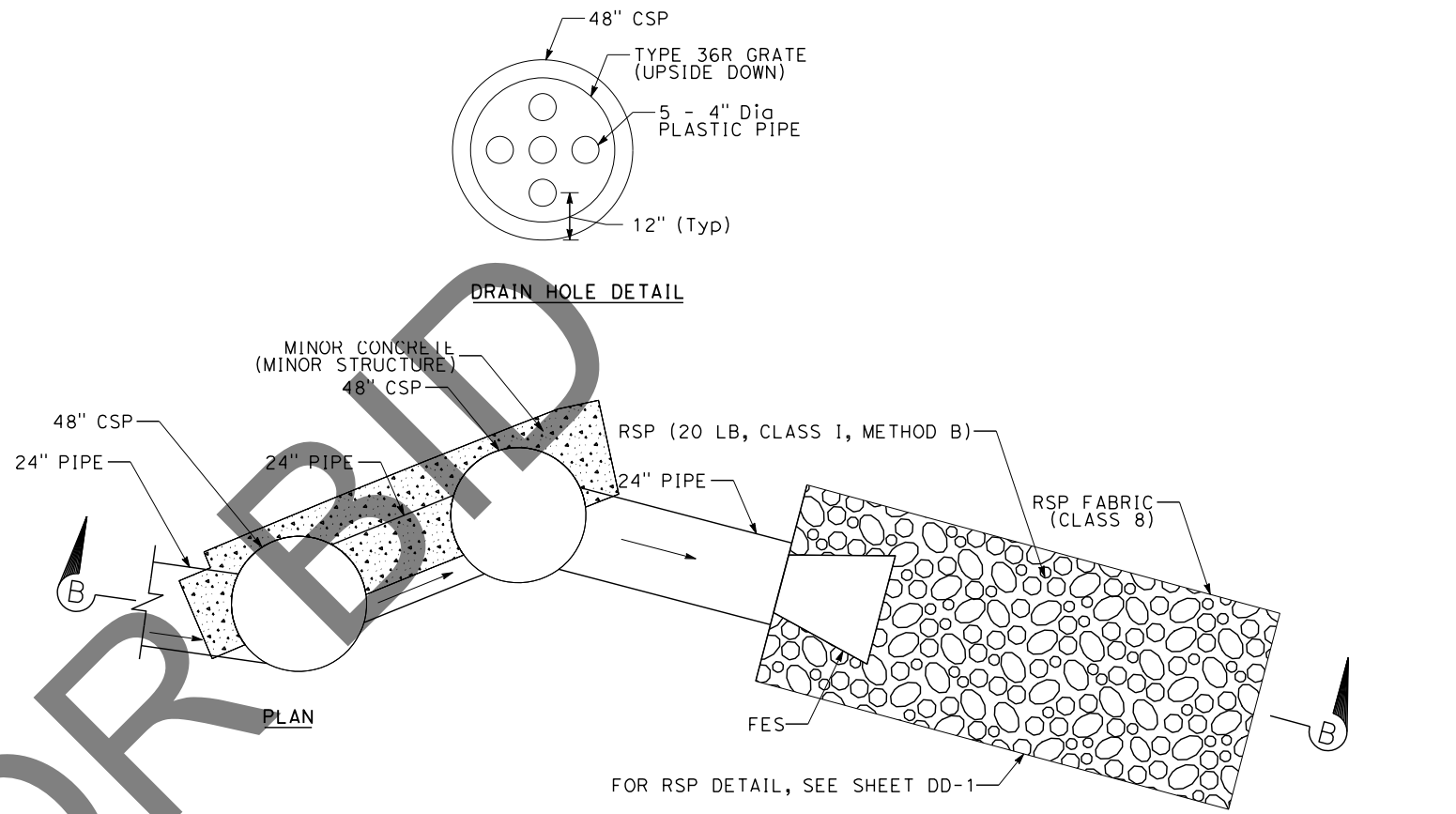
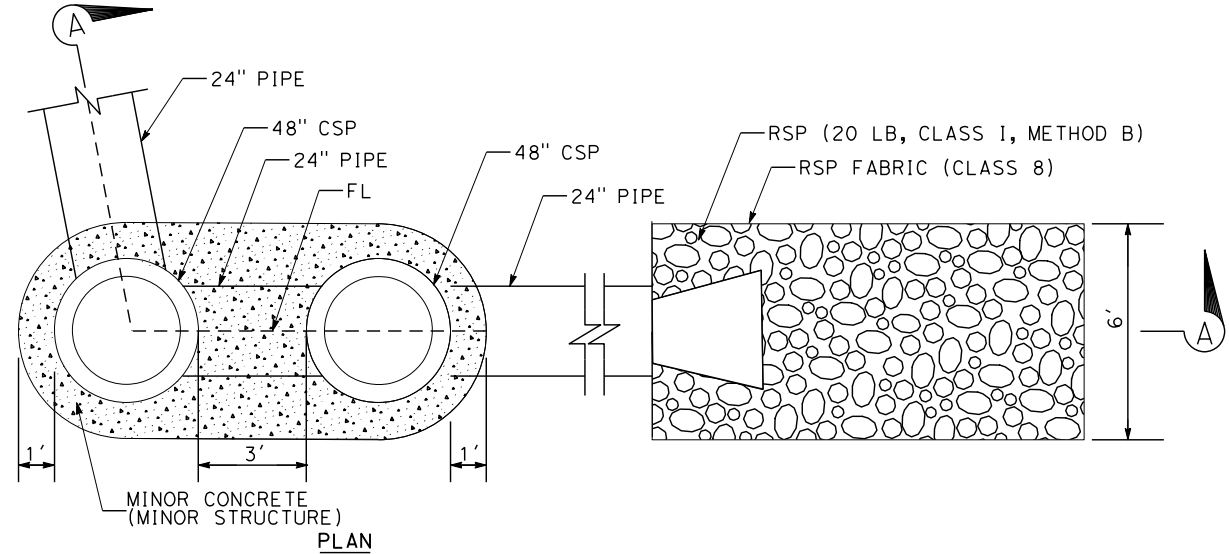
<p>Underground Service Alert</p> <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>BENCHMARK</p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p>110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA. 916-858-0642</p> <p><i>Ashley Orsaba-Finders</i> ASHLEY ORSABA-FINDERS, SENIOR ENGINEER</p> <p>06/12/24 DATE</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	MARK	REVISIONS	APPR	DATE													<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p><i>Chris Nguyen</i> CHRIS NGUYEN, P.E. TRANSPORTATION DESIGN ENGINEERING MANAGER</p> <p>6/26/24 DATE</p> <p><i>Thomas Bustamonte</i> THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</p> <p>6/26/24 DATE</p>	<p>DRAINAGE DETAILS SCALE: 1"=10'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO. W.O. NO. H15055</p> <p>SHEET 34 OF 72</p>
MARK	REVISIONS	APPR	DATE																				

REVISION 01/12/2023

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MARK	REVISIONS	APPR.	DATE

MARK	REVISIONS	APPR.	DATE



CSP SAND TRAP SYSTEM 1
NOT TO SCALE

CSP SAND TRAP SYSTEM 2
NOT TO SCALE

DD-2

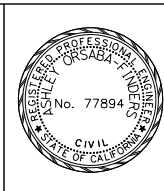
Underground Service Alert+

 Call: 811
 TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
 S.B.CO BRASS DISK STAMPED 63-1-12
 1975 ON TOP OF CURB. +/- 28"
 SOUTHERLY FROM HWY 38 & 0.15 MILES
 EASTERLY FROM INTERSECTION HWY 38 &
 STANFIELD CUTOFF AS SHOWN PER SP5N
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642
 ASHLEY ORSABA-FINDERS, SENIOR ENGINEER
 06/12/24 DATE



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *Chris Nguyen* 6/26/24 DATE
 AOF
 TRANSPORTATION DESIGN ENGINEERING MANAGER

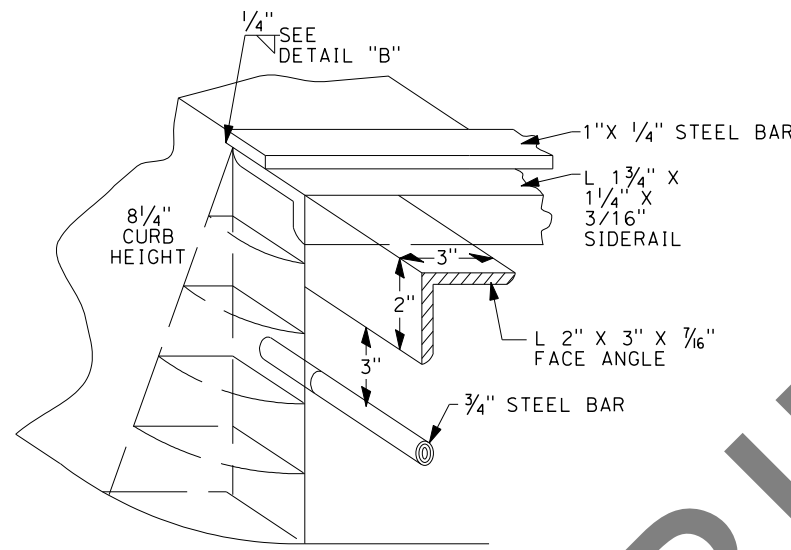
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 APPROVED BY: *Thomas Bustamonte* 6/26/24 DATE
 THOMAS BUSTAMONTE, P.E., SUPERVISING ENGINEER

APPROVED BY: *Mervat Mikhail* 6/26/2024 DATE
 MERVAT MIKHAIL, P.E., DEPUTY DIRECTOR

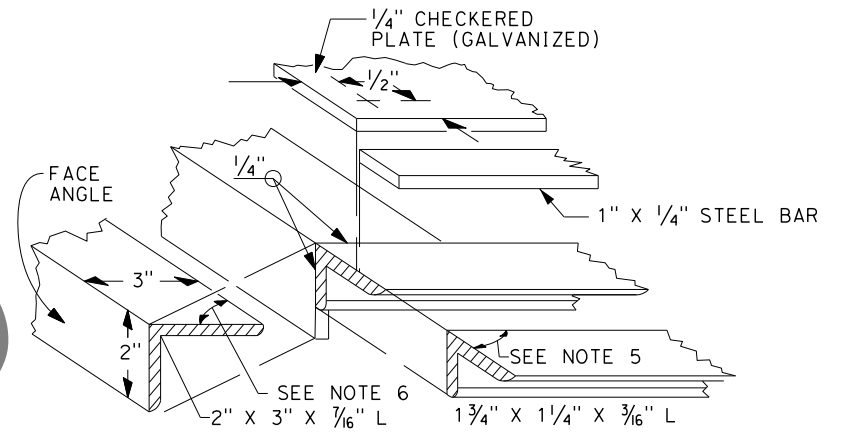
DRAINAGE DETAILS
 SCALE: 1"=10'
 STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT
 BIG BEAR AREA

ROAD NO.
 W.O. NO.
 H15055
 SHEET 35 OF 72

- FRAME SHALL BE CONSTRUCTED TO STANDARD SPECIFICATIONS OR OF EQUIVALENT STRUCTURAL STRENGTH AND WELDED TOGETHER WITH A 1/4" INTERMITTENT WELD AT ALL BREAKS, SEAMS, SECTIONS, JOINTS, ETC.
- THE 1/4" CHECKERED PLATE SHALL BE FASTENED TO THE FRAME WITH AN INTERMITTENT WELD.
- GRATE SHALL BE CONSTRUCTED TO STANDARD SPECIFICATIONS, WELDED AT ALL BREAKS, SECTIONS, ETC.
- ALL METAL SHALL BE HOT DIPPED GALVANIZED.
- DEFLECTION ANGLE FOR LOCATIONS WHERE FLOW LINE SLOPES ARE < 0.2% SHALL BE 90° FROM FLOW LINE. DEFLECTION ANGLE FOR LOCATIONS WHERE FLOW LINE SLOPES ARE > 0.2% SHALL BE 60° IN THE DIRECTION OF FLOW.
- USE 4' WIDE CHECKERED PLATE CUT TO CORRECT DIMENSIONS, THEN CONSTRUCT FRAME TO FIT PLATE AND FASTEN WITH AN INTERMITTENT WELD.

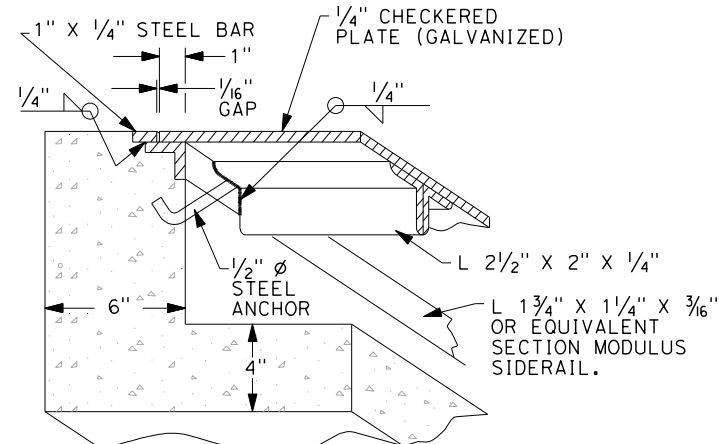


DETAIL "D"
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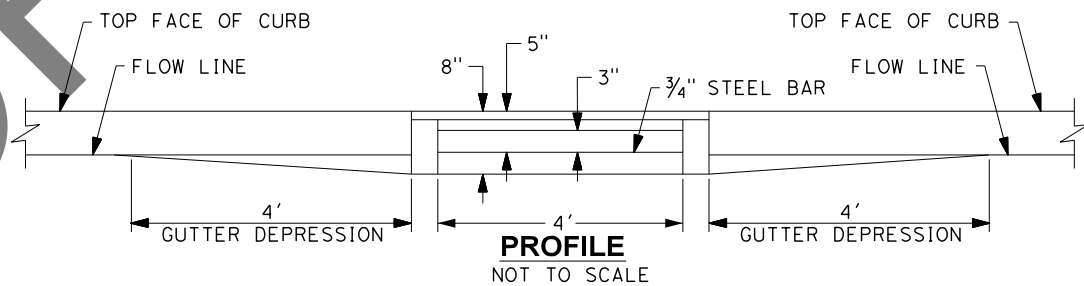


DETAIL "C"

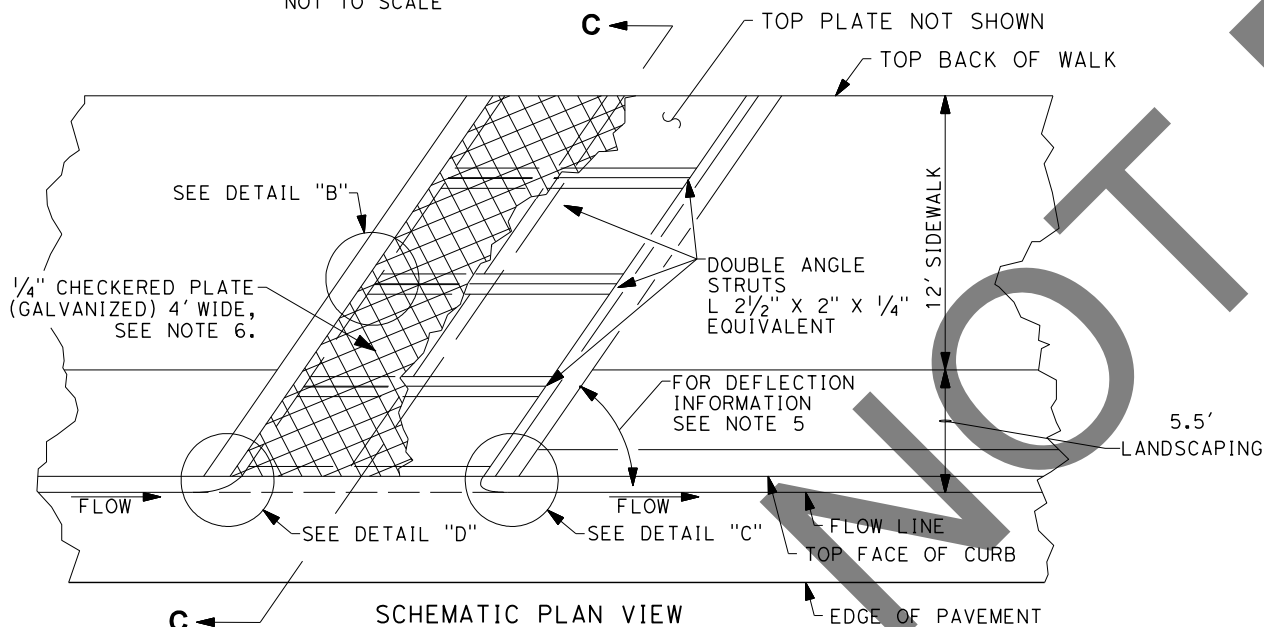
1/2" STEEL ANCHOR NOT SHOWN
SEE DETAIL "B"



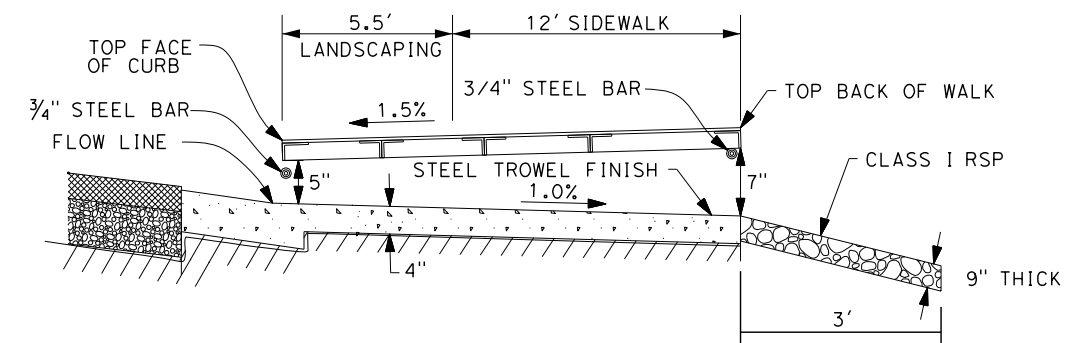
DETAIL "B"
NOT TO SCALE



PROFILE
NOT TO SCALE



SCHEMATIC PLAN VIEW
NOT TO SCALE
UNDER SIDEWALK DRAIN



SECTION C-C
NOT TO SCALE

DD-3

REVISION 01/12/2023

REVISIONS	DATE	APPR.

MARK	DATE	APPR.

REVISIONS	DATE	APPR.

MARK	DATE	APPR.

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Underground Service Alert
Call: 811
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK
S.B.CO BRASS DISK STAMPED 63-1-12
1975 ON TOP OF CURB. +/- 28"
SOUTHERLY FROM HWY 38 & 0.15 MILES
EASTERLY FROM INTERSECTION HWY 38 &
STANFIELD CUTOFF AS SHOWN PER SPSN
00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:

DOKKEN
ENGINEERING
110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642
ASHLEY ORSABA-FINDERS, SENIOR ENGINEER
DATE 06/12/24



MARK	REVISIONS	DATE	APPR.

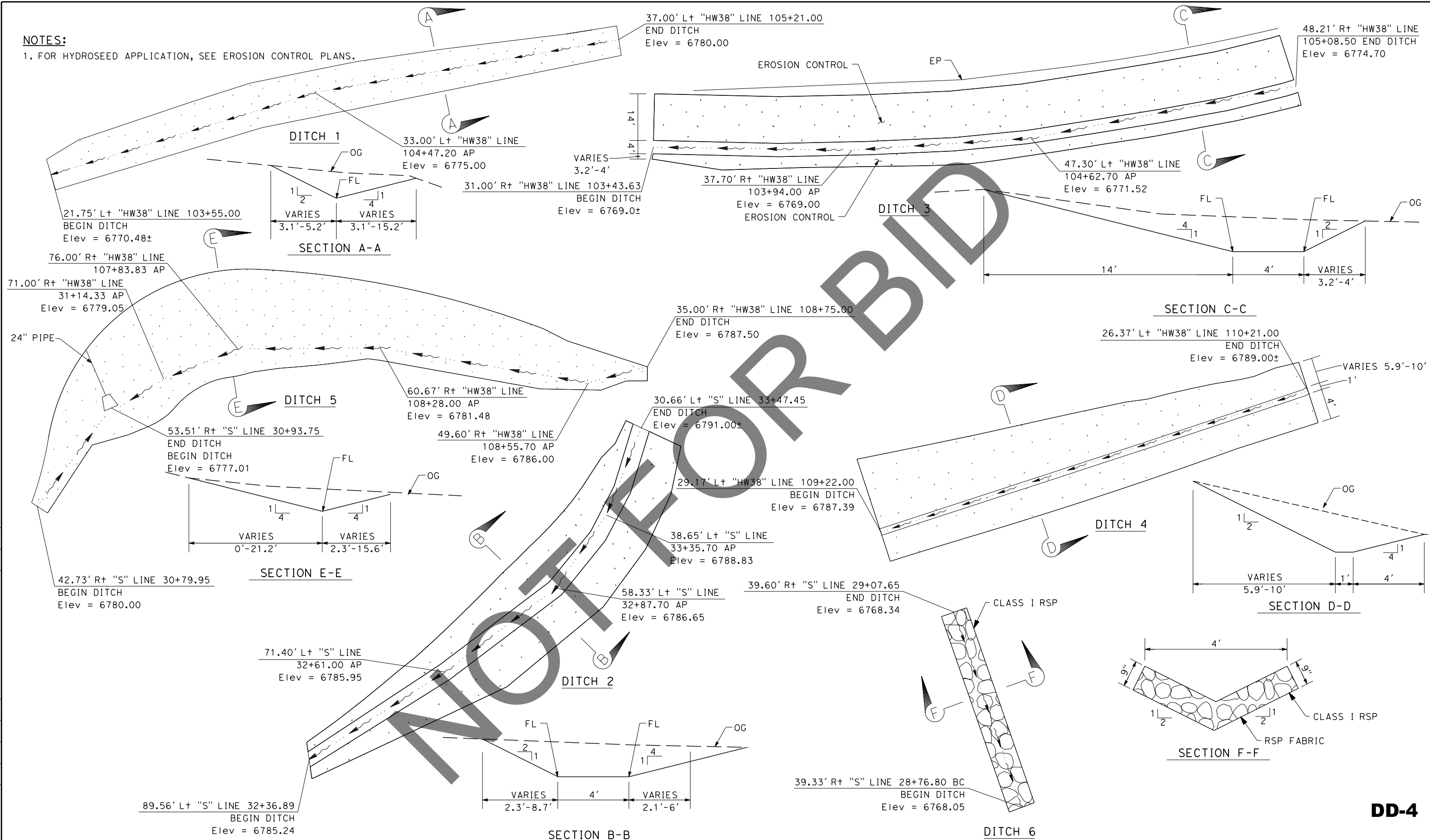
SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGNED BY: CHRIS NGUYEN, P.E. / TRANSPORTATION DESIGN ENGINEERING MANAGER
DATE: 6/26/24
DRAWN BY: AOF
CHECKED BY: JP
APPROVED BY: Thomas Bustamonte, P.E. / SUPERVISING ENGINEER
DATE: 6/26/24
Mervat Mirhail, P.E. / DEPUTY DIRECTOR
DATE: 6/26/2024

DRAINAGE DETAILS
SCALE: 1"=10'
STATE HIGHWAY 38
STANFIELD CUTOFF
ROUNDABOUT
BIG BEAR AREA

ROAD NO.
W.O. NO. H15055
SHEET 36 OF 72

NOTES:

1. FOR HYDROSEED APPLICATION, SEE EROSION CONTROL PLANS.



REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

Underground Service Alert+

Call: 811

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PREPARED BY:

110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642

Ashley Orsaba-Finders, Senior Engineer

06/12/24 DATE

MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: CHRIS NGUYEN, P.E. DATE: 6/26/24
 TRANSPORTATION DESIGN ENGINEERING MANAGER

APPROVED BY: Thomas Bustamonte DATE: 6/26/24
 SUPERVISING ENGINEER

DRAWN BY: JP DATE: 6/26/2024
 CHECKED BY: LK DATE: 6/26/2024

APPROVED BY: Mervat Mikhail, P.E. DATE: 6/26/2024
 DEPUTY DIRECTOR

DRAINAGE DETAILS
 NO SCALE

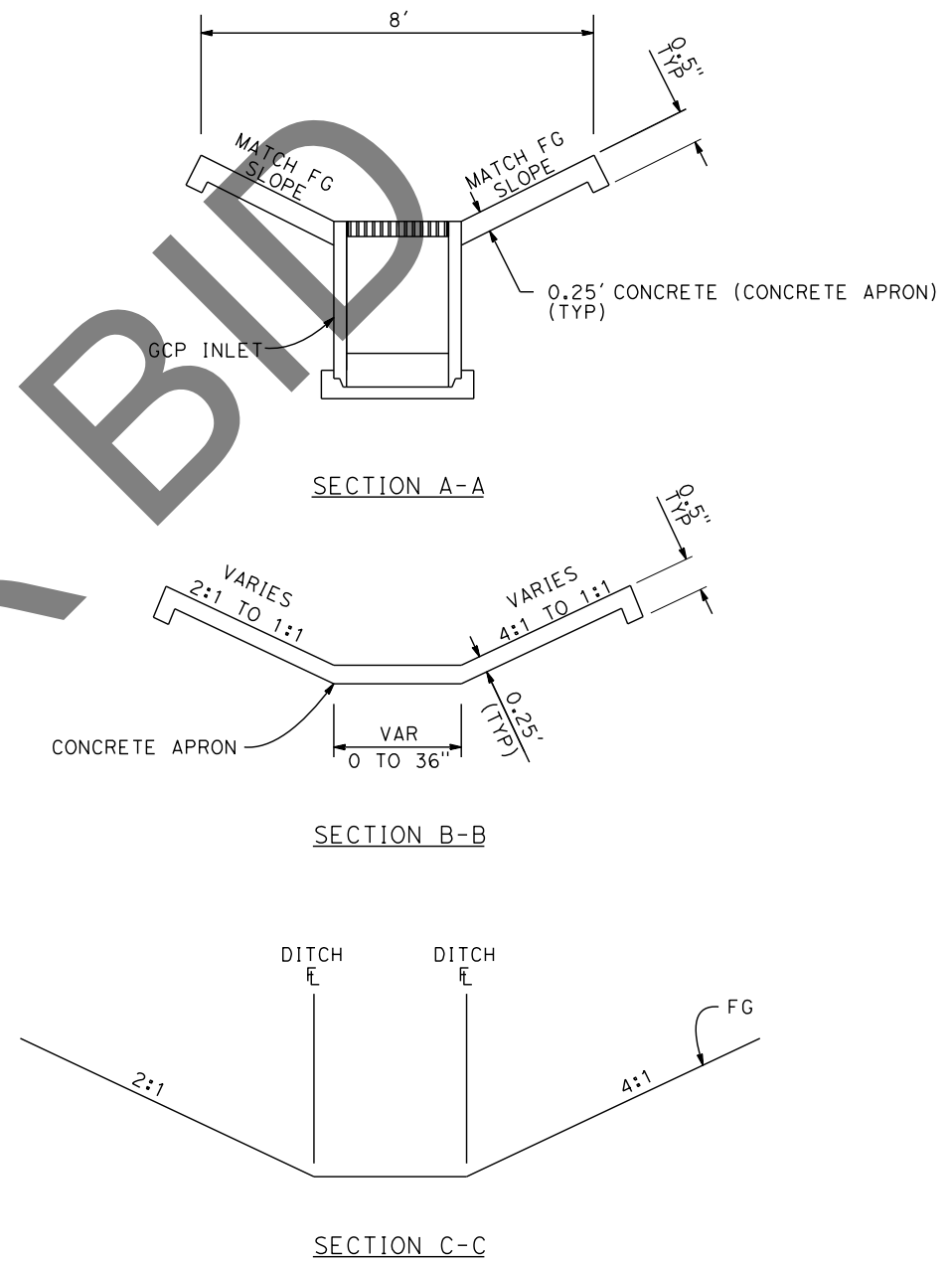
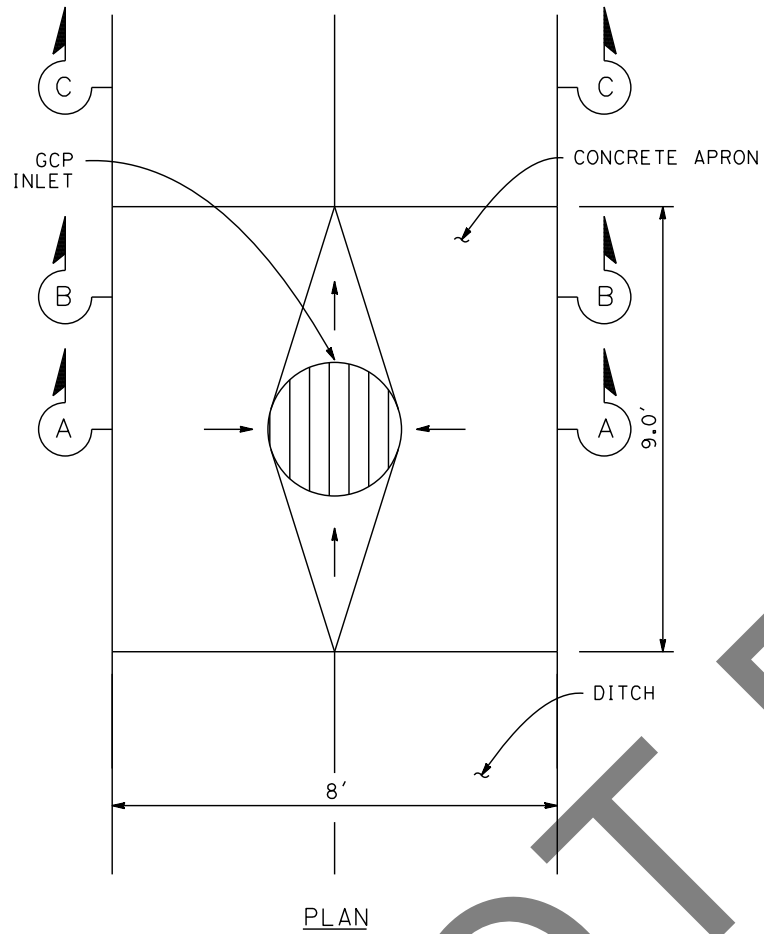
STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT

BIG BEAR AREA

ROAD NO. W.O. NO. H15055
 SHEET 37 OF 72

DD-4

REVISION 01/12/2023



GCP INLET - CONCRETE APRON

1 e 2 k

DD-5

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MARK	REVISIONS	APPR.	DATE

Underground Service Alert+

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 ASHLEY ORSABA-FINDERS, SENIOR ENGINEER
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 AOF

DRAWN BY: JP
 LK

APPROVED BY: Thomas Bustamonte DATE: 6/26/24
 SUPERVISING ENGINEER
 Thomas Bustamonte

APPROVED BY: Mervat Mirhail DATE: 6/26/2024
 DEPUTY DIRECTOR
 Mervat Mirhail

DRAINAGE DETAILS
 NO SCALE
 STATE HIGHWAY 38
 STANFIELD CUTOFF
 ROUNDABOUT
 BIG BEAR AREA

ROAD NO.
 W.O. NO.
 H15055
 SHEET 38 OF 72

