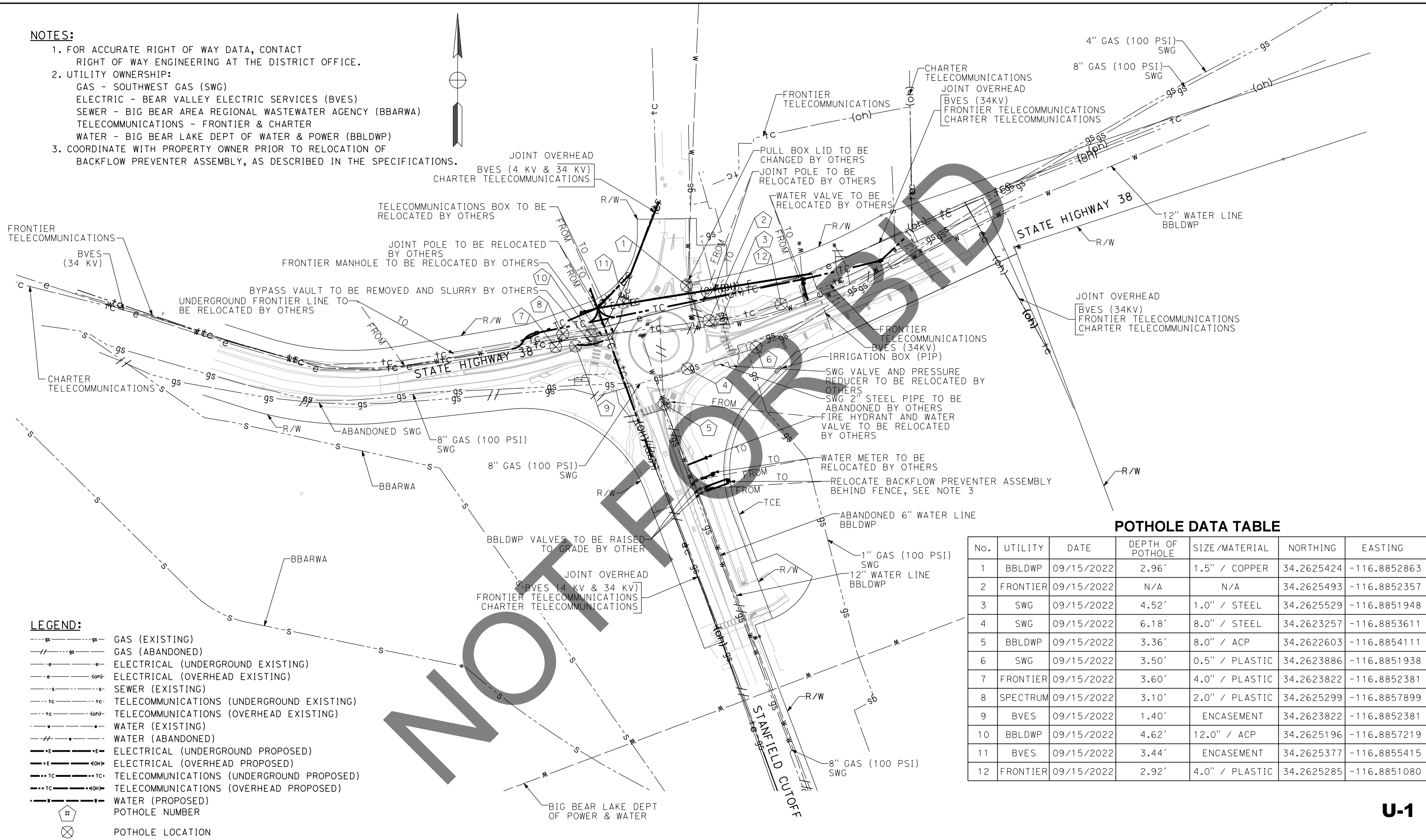
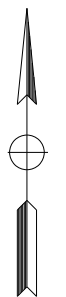


**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- UTILITY OWNERSHIP:  
 GAS - SOUTHWEST GAS (SWG)  
 ELECTRIC - BEAR VALLEY ELECTRIC SERVICES (BVES)  
 SEWER - BIG BEAR AREA REGIONAL WASTEWATER AGENCY (BBARWA)  
 TELECOMMUNICATIONS - FRONTIER & CHARTER  
 WATER - BIG BEAR LAKE DEPT OF WATER & POWER (BBLDWP)
- COORDINATE WITH PROPERTY OWNER PRIOR TO RELOCATION OF BACKFLOW PREVENTER ASSEMBLY, AS DESCRIBED IN THE SPECIFICATIONS.



REVISION 01/12/2023

DATE PLOTTED => 6/21/2024	APPR. DATE
TIME PLOTTED => 2:58:28 PM	
MARK	
REVISIONS	
DATE	
APPR. DATE	
MARK	
REVISIONS	

**LEGEND:**

- gs---gs--- GAS (EXISTING)
- ///---gs--- GAS (ABANDONED)
- e---e--- ELECTRICAL (UNDERGROUND EXISTING)
- e---(oh)--- ELECTRICAL (OVERHEAD EXISTING)
- s---s--- SEWER (EXISTING)
- tc---tc--- TELECOMMUNICATIONS (UNDERGROUND EXISTING)
- tc---(oh)--- TELECOMMUNICATIONS (OVERHEAD EXISTING)
- w---w--- WATER (EXISTING)
- ///---w--- WATER (ABANDONED)
- e---(p)--- ELECTRICAL (UNDERGROUND PROPOSED)
- e---(oh)--- ELECTRICAL (OVERHEAD PROPOSED)
- tc---(p)--- TELECOMMUNICATIONS (UNDERGROUND PROPOSED)
- tc---(oh)--- TELECOMMUNICATIONS (OVERHEAD PROPOSED)
- w---(p)--- WATER (PROPOSED)
- # POTHOLE NUMBER
- ⊗ POTHOLE LOCATION

**POTHOLE DATA TABLE**

No.	UTILITY	DATE	DEPTH OF POTHOLE	SIZE/MATERIAL	NORTHING	EASTING
1	BBLDWP	09/15/2022	2.96'	1.5" / COPPER	34.2625424	-116.8852863
2	FRONTIER	09/15/2022	N/A	N/A	34.2625493	-116.8852357
3	SWG	09/15/2022	4.52'	1.0" / STEEL	34.2625529	-116.8851948
4	SWG	09/15/2022	6.18'	8.0" / STEEL	34.2623257	-116.8853611
5	BBLDWP	09/15/2022	3.36'	8.0" / ACP	34.2622603	-116.8854111
6	SWG	09/15/2022	3.50'	0.5" / PLASTIC	34.2623886	-116.8851938
7	FRONTIER	09/15/2022	3.60'	4.0" / PLASTIC	34.2623822	-116.8852381
8	SPECTRUM	09/15/2022	3.10'	2.0" / PLASTIC	34.2625299	-116.8857899
9	BVES	09/15/2022	1.40'	ENCASEMENT	34.2623822	-116.8852381
10	BBLDWP	09/15/2022	4.62'	12.0" / ACP	34.2625196	-116.8857219
11	BVES	09/15/2022	3.44'	ENCASEMENT	34.2625377	-116.8855415
12	FRONTIER	09/15/2022	2.92'	4.0" / PLASTIC	34.2625285	-116.8851080

**U-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  
 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 MIKHAIL, P.E., DEPUTY DIRECTOR

**UTILITY PLAN**  
 SCALE: 1"=60'

STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT

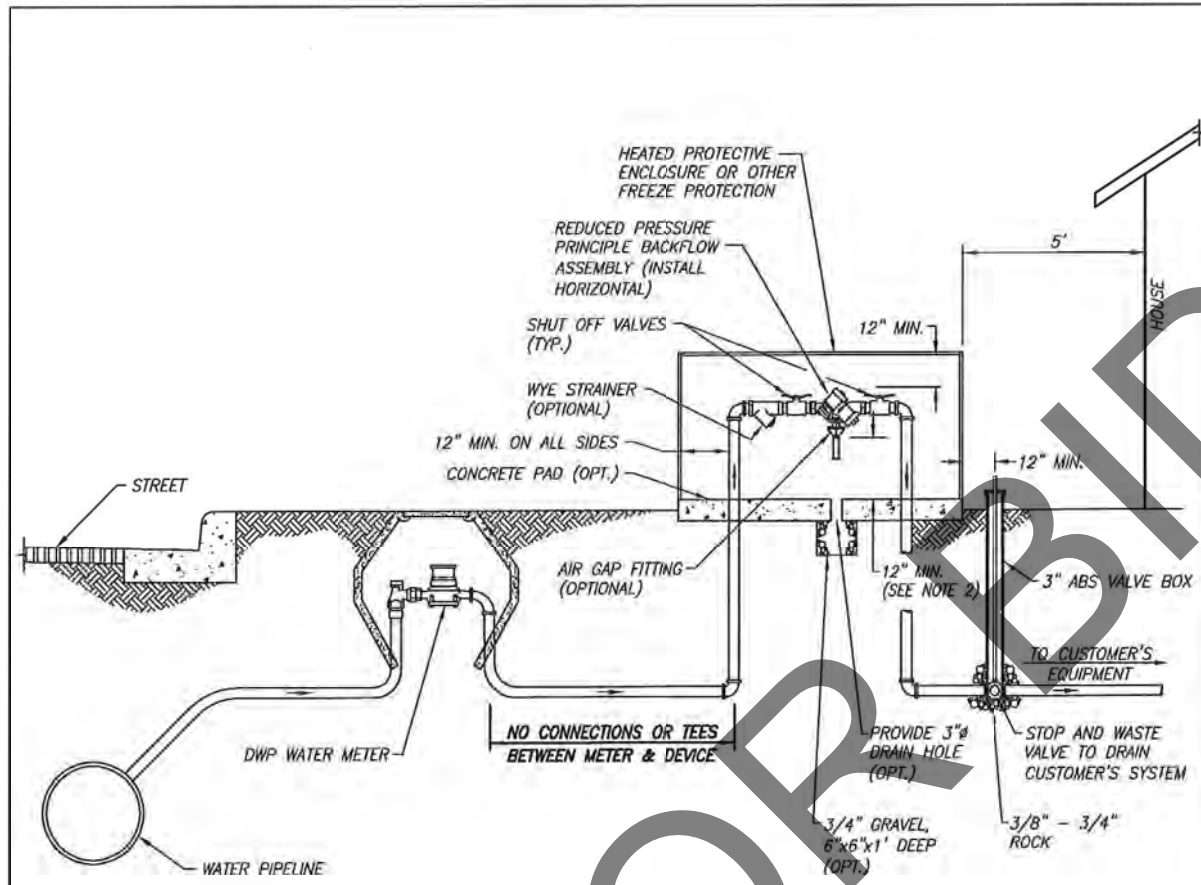
BIG BEAR AREA

ROAD NO.  
 W.O. NO.  
 H15055

SHEET 40 OF 72

**NOTES:**

1. FOR BACKFLOW ASSEMBLY LOCATION, SEE UTILITY PLAN



**NOTES:**

1. THE "APPROVED" REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY (AS APPROVED BY THE DWP AND CURRENT STATE HEALTH DEPARTMENT LIST) SHALL BE LOCATED AND INSTALLED SUBJECT TO THE APPROVAL OF THE DWP.
2. A PRESSURE RELIEF VALVE SHALL BE INSTALLED PER UNIFORM PLUMBING CODE.
3. THE DEVICE MUST BE INSPECTED AND TESTED IMMEDIATELY AFTER INSTALLATION AND ONCE A YEAR THEREAFTER.
4. MINIMUM CLEARANCES PERTAIN TO ENCLOSURES THAT ARE PERMANENTLY INSTALLED; IN THIS CASE, SERVICE ACCESS DOOR MUST BE PROVIDED. A VARIANCE OF THE MINIMUM CLEARANCES MAY BE GRANTED FOR ENCLOSURES THAT ARE REMOVABLE. ENCLOSURES MUST BE INSULATED TO A MINIMUM OF R-38.
5. HEAT TAPE ALL ABOVE GROUND PIPING
6. DEVICE SHALL BE INSTALLED WITHIN 5' OF THE FRONT OF THE HOUSE OR IN A TESTABLE DWP APPROVED LOCATION.

DEPARTMENT OF WATER AND POWER  
CITY OF BIG BEAR LAKE

3/4" - 2" REDUCED PRESSURE  
PRINCIPLE BACKFLOW ASSEMBLY

△	STOP AND WASTE VALVE	WSC	1/2015	APPROVED <i>[Signature]</i> GENERAL MANAGER	STANDARD DRAWING No. 17
△	HEATED ENCLOSURE AND NOTE 6	WSC	3/2014		
REV.	REVISION DESCRIPTION	BY	DATE	DATE	

BACKFLOW PREVENTER ASSEMBLY RELOCATION DETAIL

**UD-1**

DATE PLOTTED => 6/21/2024  
TIME PLOTTED => 2:58:29 PM  
USERNAME => dnucl  
DGN FILE => 2553rc001.dgn

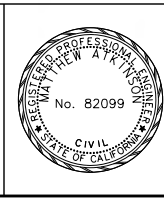
REVISION 01/12/2023

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:  
**DOKKEN ENGINEERING**  
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: *[Signature]* 6/26/24 DATE  
CHRIS NGUYEN, P.E. TRANSPORTATION DESIGN ENGINEERING MANAGER

DRAWN BY: JP  
CHECKED BY: LK

APPROVED BY: *[Signature]* 6/26/24 DATE  
THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER

APPROVED BY: *[Signature]* 6/26/24 DATE  
MERVAT MIRHAIL, P.E. DEPUTY DIRECTOR

**UTILITY DETAILS**  
NO SCALE

STATE HIGHWAY 38  
STANFIELD CUTOFF  
ROUNDBOUT

BIG BEAR AREA

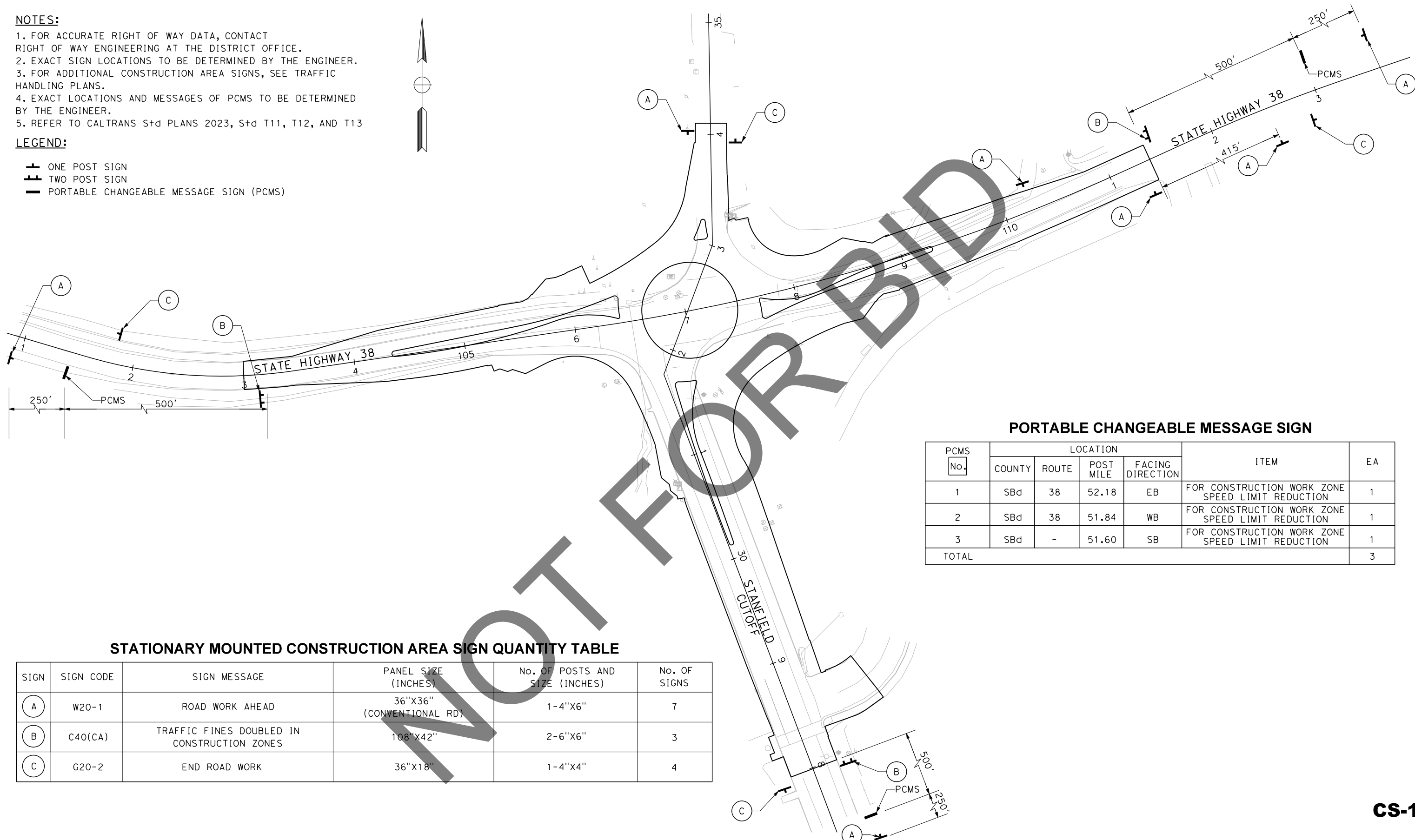
ROAD NO.  
W.O. NO. H15055  
SHEET 41 OF 72

**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
3. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, SEE TRAFFIC HANDLING PLANS.
4. EXACT LOCATIONS AND MESSAGES OF PCMS TO BE DETERMINED BY THE ENGINEER.
5. REFER TO CALTRANS STD PLANS 2023, STD T11, T12, AND T13

**LEGEND:**

- ⊥ ONE POST SIGN
- ⊥⊥ TWO POST SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)



**PORTABLE CHANGEABLE MESSAGE SIGN**

PCMS No.	LOCATION				ITEM	EA
	COUNTY	ROUTE	POST MILE	FACING DIRECTION		
1	SBd	38	52.18	EB	FOR CONSTRUCTION WORK ZONE SPEED LIMIT REDUCTION	1
2	SBd	38	51.84	WB	FOR CONSTRUCTION WORK ZONE SPEED LIMIT REDUCTION	1
3	SBd	-	51.60	SB	FOR CONSTRUCTION WORK ZONE SPEED LIMIT REDUCTION	1
TOTAL						3

**STATIONARY MOUNTED CONSTRUCTION AREA SIGN QUANTITY TABLE**

SIGN	SIGN CODE	SIGN MESSAGE	PANEL SIZE (INCHES)	No. OF POSTS AND SIZE (INCHES)	No. OF SIGNS
(A)	W20-1	ROAD WORK AHEAD	36"X36" (CONVENTIONAL RD)	1-4"X6"	7
(B)	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	108"X42"	2-6"X6"	3
(C)	G20-2	END ROAD WORK	36"X18"	1-4"X4"	4

**CS-1**

DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:40 PM  
 USERNAME => dnucl  
 DGN FILE => 25531d001.dgn

REVISION 01/12/2023


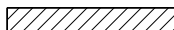
MARK	REVISIONS	APPR.	DATE

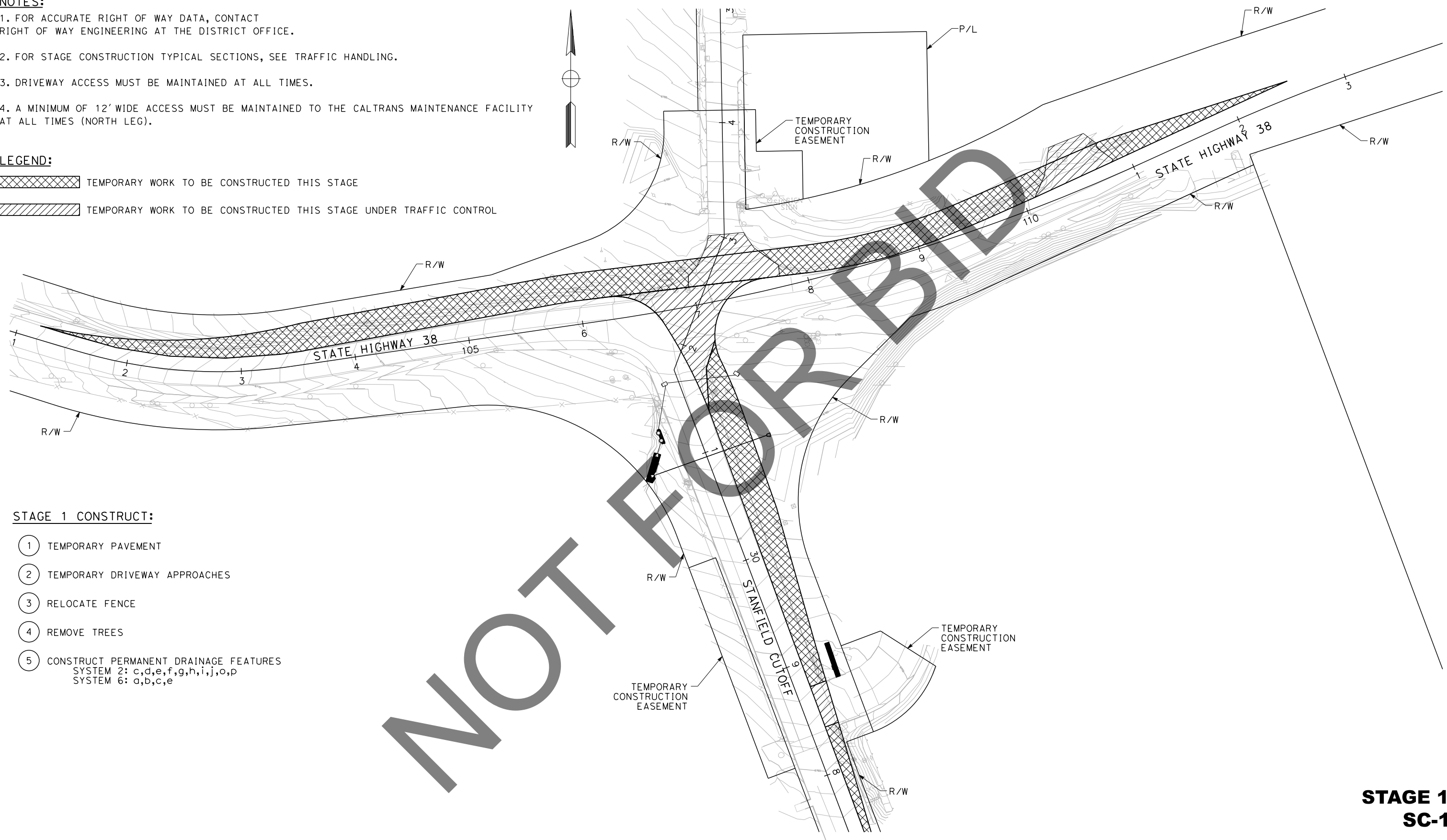
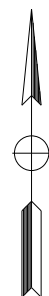
Underground Service Alert Call: 811 TWO WORKING DAYS BEFORE YOU DIG	BENCHMARK S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 & 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 & STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402	PREPARED BY:  110 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:  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:  6/26/2024 DATE DEPUTY DIRECTOR	CONSTRUCTION AREA SIGNS SCALE: 1"=40' STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT BIG BEAR AREA	ROAD NO. W.O. NO. H15055 SHEET 42 OF 72
---	--	---	--	---------------------------------	--	--	---	--

**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR STAGE CONSTRUCTION TYPICAL SECTIONS, SEE TRAFFIC HANDLING.
3. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES.
4. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).

**LEGEND:**

-  TEMPORARY WORK TO BE CONSTRUCTED THIS STAGE
-  TEMPORARY WORK TO BE CONSTRUCTED THIS STAGE UNDER TRAFFIC CONTROL





**STAGE 1 CONSTRUCT:**

- 1 TEMPORARY PAVEMENT
- 2 TEMPORARY DRIVEWAY APPROACHES
- 3 RELOCATE FENCE
- 4 REMOVE TREES
- 5 CONSTRUCT PERMANENT DRAINAGE FEATURES  
SYSTEM 2: c,d,e,f,g,h,i,j,o,p  
SYSTEM 6: a,b,c,e

NOT FOR BID

**STAGE 1  
SC-1**


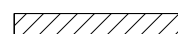
USERNAME => dnucl  
 DGN FILE => 2553ma001.dgn  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:42 PM  
 REVISIONS  
 MARK  
 APPR. DATE  
 REVISIONS  
 MARK  
 APPR. DATE

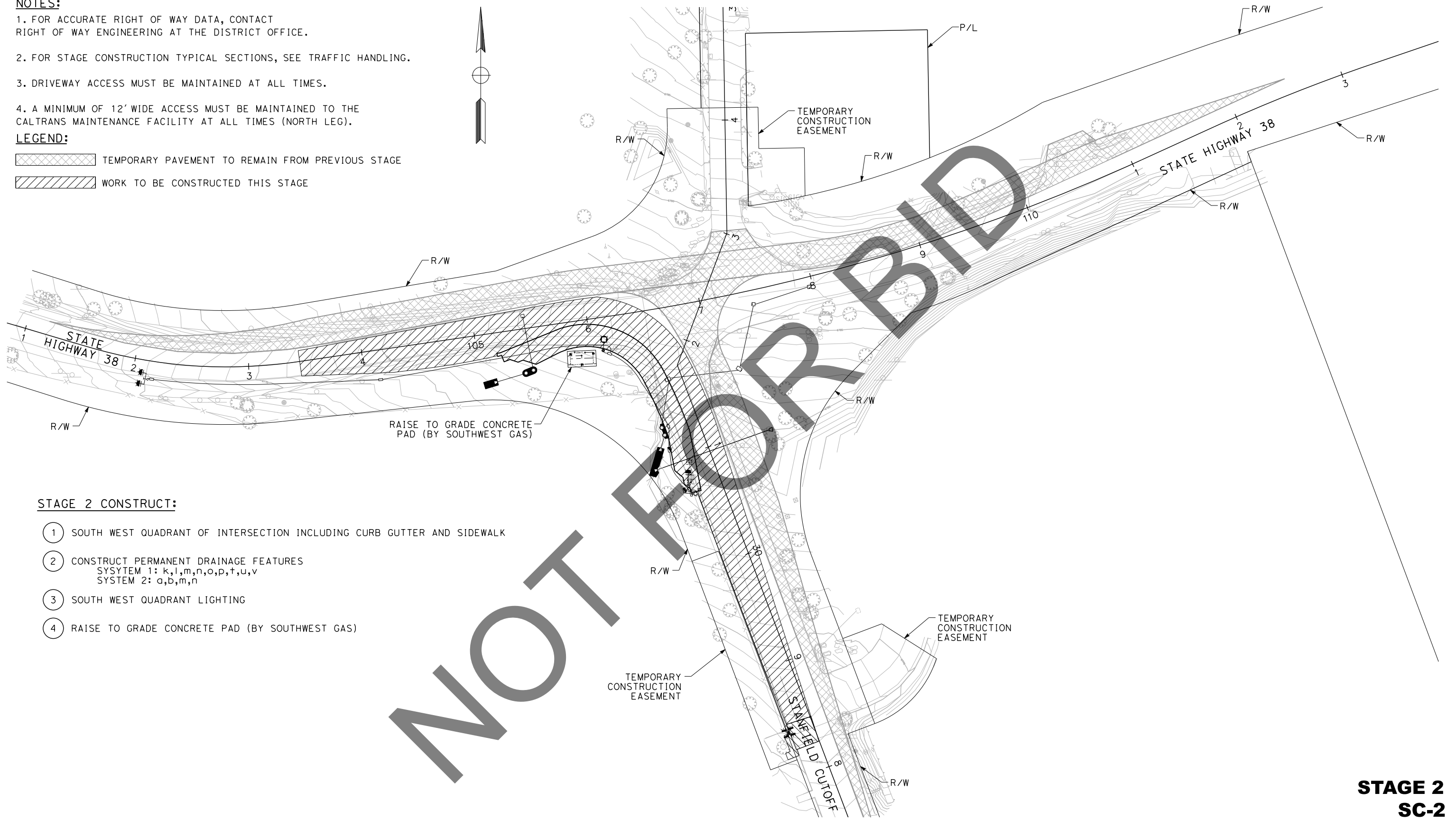
<p>Underground Service Alert</p>  <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCHMARK</b></p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 &amp; 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 &amp; STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p><b>DOKKEN ENGINEERING</b></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" 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 CHRIS NGUYEN, P.E. DATE TRANSPORTATION DESIGN ENGINEERING MANAGER</p> <p>APPROVED BY: <i>Thomas Bustamonte</i> 6/26/24 THOMAS BUSTAMONTE, P.E. DATE SUPERVISING ENGINEER</p> <p>DESIGNED BY: <i>RS</i> 6/26/24 DRAWN BY: <i>JP</i> 6/26/24 CHECKED BY: <i>LK</i> 6/26/24</p> <p>APPROVED BY: <i>Mervat Mikhail</i> 6/26/24 MERVAT MIKHAIL, P.E. DATE DEPUTY DIRECTOR</p>	<p><b>STAGE CONSTRUCTION PLAN</b></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 43 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 STAGE CONSTRUCTION TYPICAL SECTIONS, SEE TRAFFIC HANDLING.
3. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES.
4. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).

**LEGEND:**

-  TEMPORARY PAVEMENT TO REMAIN FROM PREVIOUS STAGE
-  WORK TO BE CONSTRUCTED THIS STAGE



**STAGE 2 CONSTRUCT:**

- 1 SOUTH WEST QUADRANT OF INTERSECTION INCLUDING CURB GUTTER AND SIDEWALK
- 2 CONSTRUCT PERMANENT DRAINAGE FEATURES  
SYSTEM 1: k,l,m,n,o,p,t,u,v  
SYSTEM 2: a,b,m,n
- 3 SOUTH WEST QUADRANT LIGHTING
- 4 RAISE TO GRADE CONCRETE PAD (BY SOUTHWEST GAS)

**STAGE 2  
SC-2**

REVISION 01/12/2023

DATE PLOTTED => 6/21/2024  
TIME PLOTTED => 2:58:43 PM

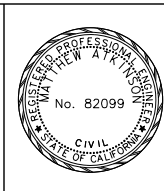
USERNAME => dnucl  
DGN FILE => 2553md002.dgn

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


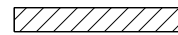

**STAGE CONSTRUCTION PLAN**  
 SCALE: 1"=40'  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA

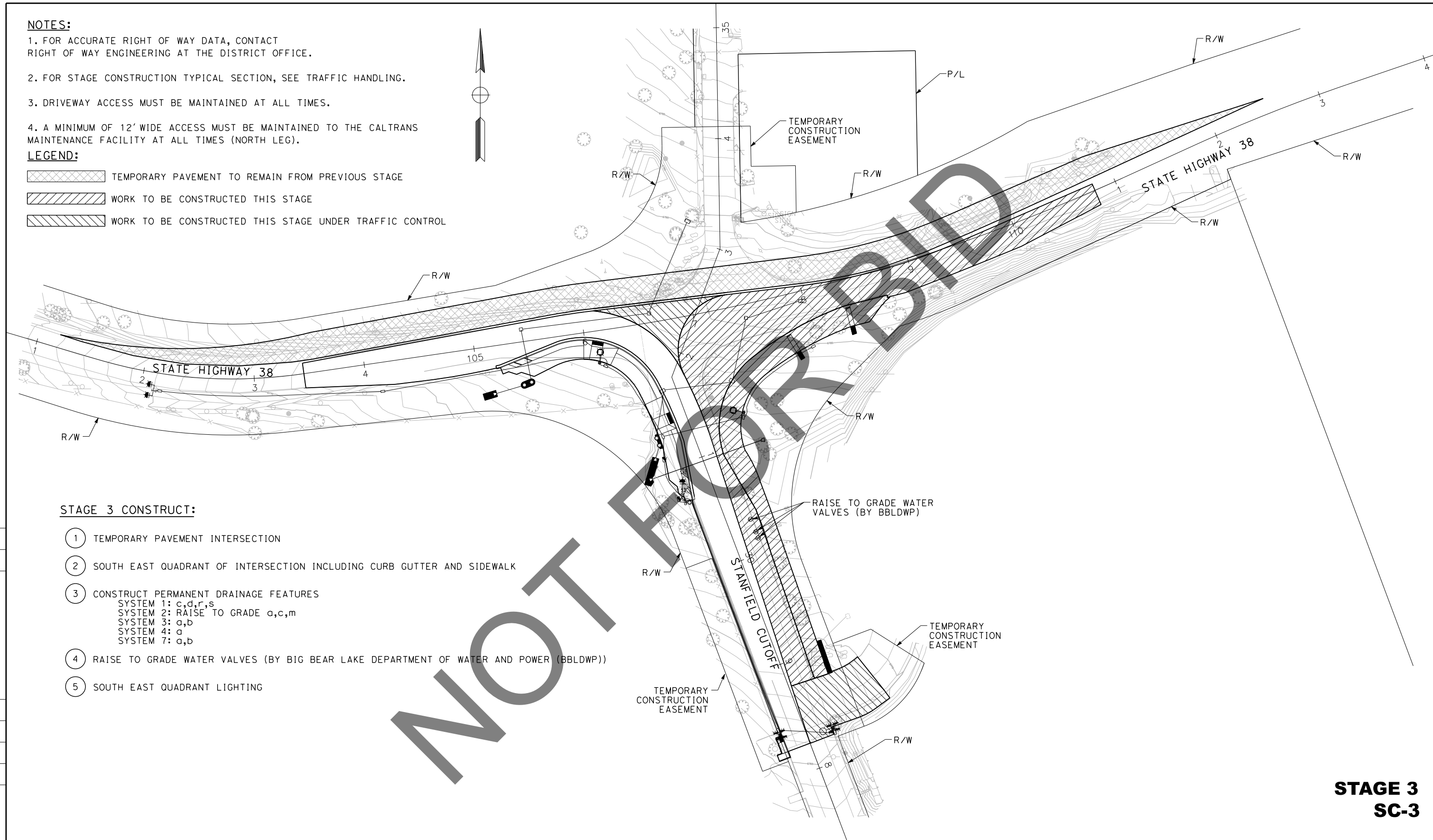
ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 44 OF 72

**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR STAGE CONSTRUCTION TYPICAL SECTION, SEE TRAFFIC HANDLING.
3. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES.
4. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).

**LEGEND:**

-  TEMPORARY PAVEMENT TO REMAIN FROM PREVIOUS STAGE
-  WORK TO BE CONSTRUCTED THIS STAGE
-  WORK TO BE CONSTRUCTED THIS STAGE UNDER TRAFFIC CONTROL


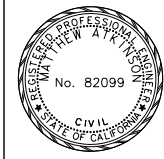


**STAGE 3 CONSTRUCT:**

- 1 TEMPORARY PAVEMENT INTERSECTION
- 2 SOUTH EAST QUADRANT OF INTERSECTION INCLUDING CURB GUTTER AND SIDEWALK
- 3 CONSTRUCT PERMANENT DRAINAGE FEATURES  
 SYSTEM 1: c,d,r,s  
 SYSTEM 2: RAISE TO GRADE a,c,m  
 SYSTEM 3: a,b  
 SYSTEM 4: a  
 SYSTEM 7: a,b
- 4 RAISE TO GRADE WATER VALVES (BY BIG BEAR LAKE DEPARTMENT OF WATER AND POWER (BBLDWP))
- 5 SOUTH EAST QUADRANT LIGHTING

**STAGE 3  
SC-3**

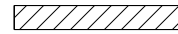
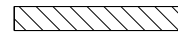
USERNAME => dnucl1  
 DGN FILE => 2553md003.dgn  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:44 PM  
 REVISIONS  
 MARK  
 APPR. DATE  
 REVISIONS  
 MARK  
 APPR. DATE

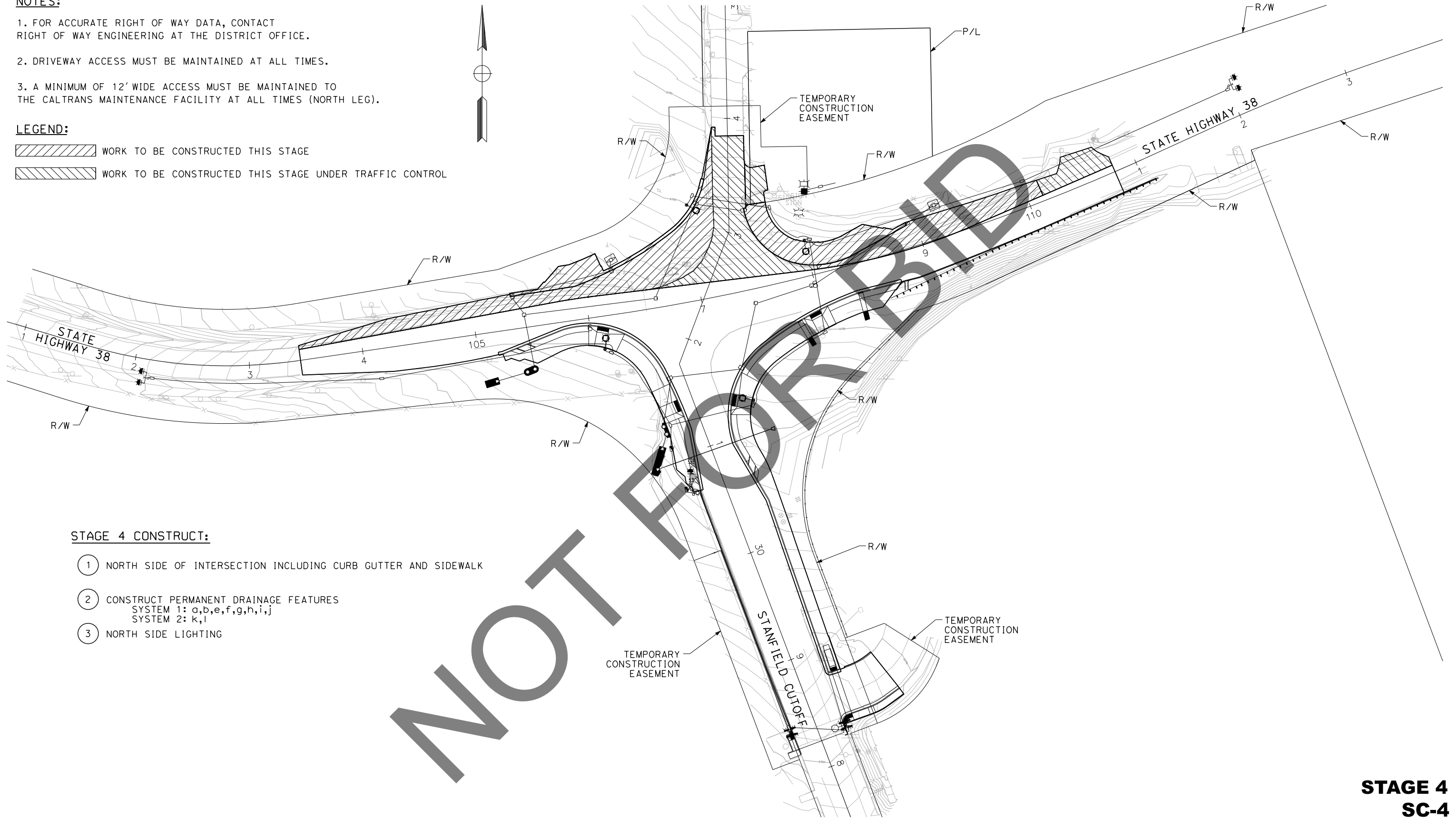
<p>Underground Service Alert</p>  <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCHMARK</b></p> <p>S.B.CO BRASS DISK STAMPED 63-1-12              1975 ON TOP OF CURB, +/- 28"              SOUTHERLY FROM HWY 38 &amp; 0.15 MILES              EASTERLY FROM INTERSECTION HWY 38 &amp;              STANFIELD CUTOFF AS SHOWN PER SPSN              00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p><b>DOKKEN ENGINEERING</b></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"> <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>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><b>STAGE CONSTRUCTION PLAN</b> SCALE: 1"=40'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDBOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO. W.O. NO. SHEET 45 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. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES.
3. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).

**LEGEND:**

-  WORK TO BE CONSTRUCTED THIS STAGE
-  WORK TO BE CONSTRUCTED THIS STAGE UNDER TRAFFIC CONTROL



**STAGE 4 CONSTRUCT:**

- 1 NORTH SIDE OF INTERSECTION INCLUDING CURB GUTTER AND SIDEWALK
- 2 CONSTRUCT PERMANENT DRAINAGE FEATURES  
SYSTEM 1: a,b,e,f,g,h,i,j  
SYSTEM 2: k,l
- 3 NORTH SIDE LIGHTING

**STAGE 4  
SC-4**

DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:45 PM  
 USERNAME => dnucl  
 DGN FILE => 2553md004.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: 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 Mikhail DATE: 6/26/2024  
 MERVAT MIKHAIL, P.E., DEPUTY DIRECTOR

**STAGE CONSTRUCTION PLAN**  
 SCALE: 1"=40'  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA

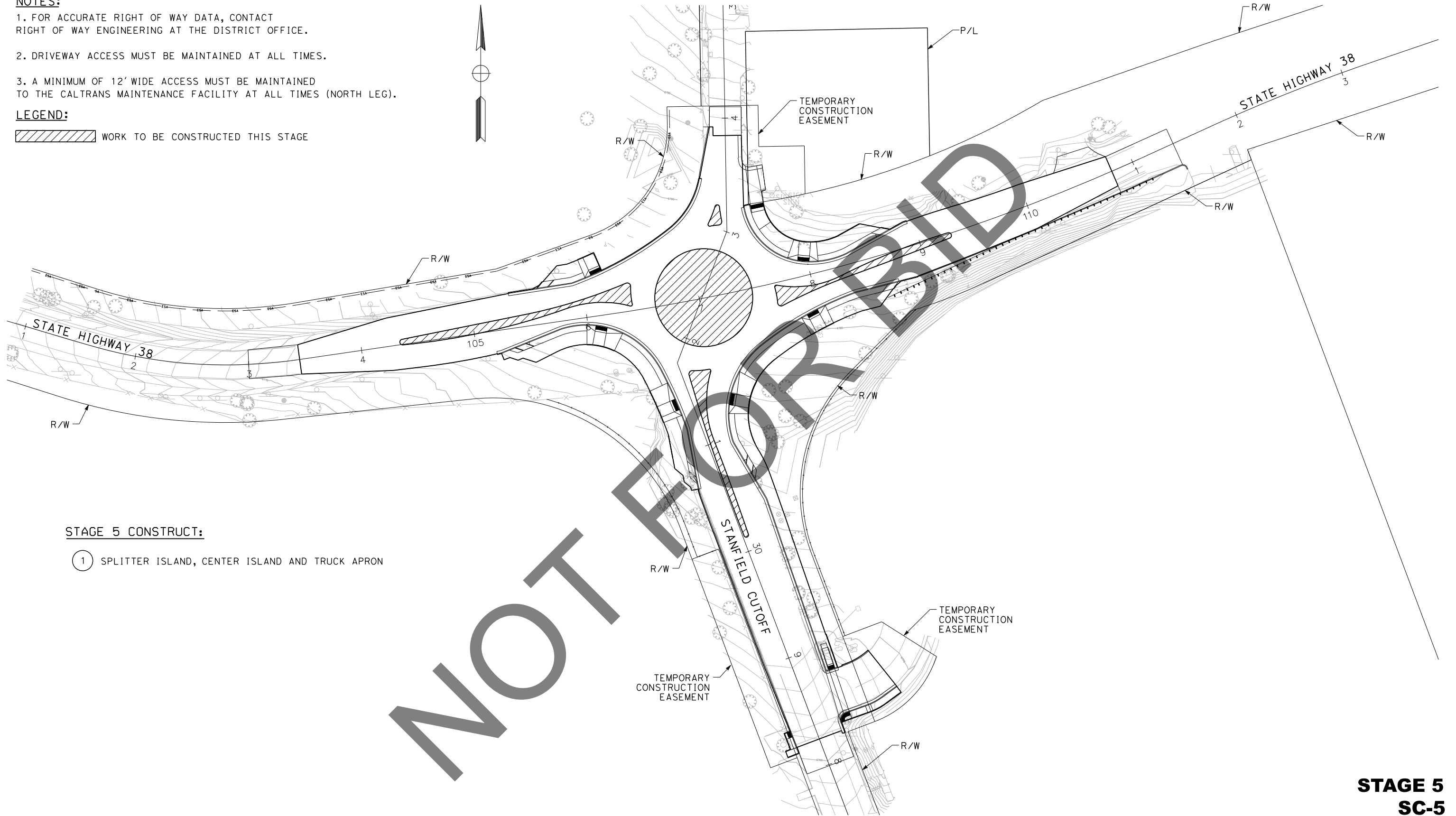
ROAD NO.	
W.O. NO.	H15055
SHEET	46 OF 72

**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES.
3. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).

**LEGEND:**

 WORK TO BE CONSTRUCTED THIS STAGE



**STAGE 5 CONSTRUCT:**

- 1 SPLITTER ISLAND, CENTER ISLAND AND TRUCK APRON

**STAGE 5  
SC-5**

REVISION 01/12/2023  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:47 PM  
 USERNAME => dnucl  
 DGN FILE => 2553md005.dgn

MARK	REVISIONS	APPR.	DATE

**Underground Service Alert**



Call: 811

TWO WORKING DAYS BEFORE YOU DIG

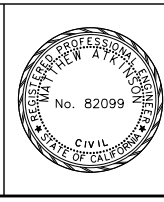
**BENCHMARK**  
 S.B.CO BRASS DISK STAMPED 63-1-12  
 1975 ON TOP OF CURB, +/- 28"  
 SOUTHERLY FROM HWY 38 & 0.15 MILES  
 EASTERLY FROM INTERSECTION HWY 38 &  
 STANFIELD CUTOFF AS SHOWN PER SPSN  
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:



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

06/12/24  
 MATTHEW ATKINSON, PROJECT MANAGER 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

**STAGE CONSTRUCTION PLAN**  
 SCALE: 1"=40'

STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT

BIG BEAR AREA

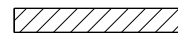
ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 47 OF 72

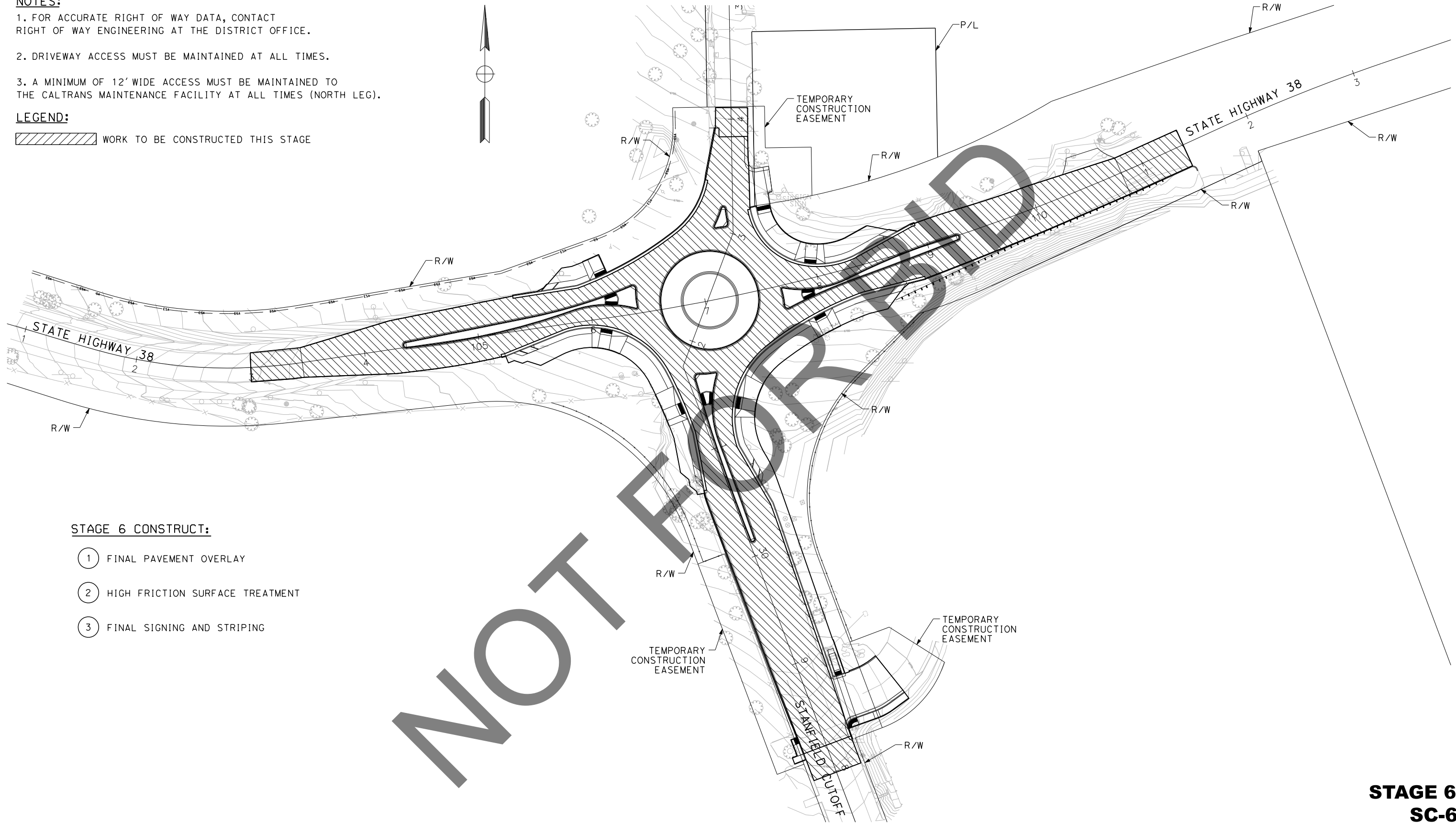


**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES.
3. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).

**LEGEND:**

 WORK TO BE CONSTRUCTED THIS STAGE



**STAGE 6 CONSTRUCT:**

- 1 FINAL PAVEMENT OVERLAY
- 2 HIGH FRICTION SURFACE TREATMENT
- 3 FINAL SIGNING AND STRIPING

**STAGE 6  
SC-6**

DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:48 PM  
 USERNAME => dnucl  
 DGN FILE => 2553md06.dgn  
 REVISIONS  
 MARK  
 APPR. DATE  
 REVISIONS  
 MARK  
 APPR. DATE  
 REVISIONS  
 MARK  
 APPR. DATE

Underground Service Alert



Call: 811

TWO WORKING DAYS BEFORE YOU DIG

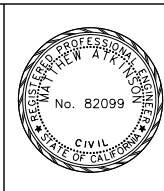
**BENCHMARK**  
 S.B.CO BRASS DISK STAMPED 63-1-12  
 1975 ON TOP OF CURB, +/- 28"  
 SOUTHERLY FROM HWY 38 & 0.15 MILES  
 EASTERLY FROM INTERSECTION HWY 38 &  
 STANFIELD CUTOFF AS SHOWN PER SPSN  
 00271. NGVD-29 ELEVATION = 6789.402

PREPARED BY:



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

06/12/24  
 MATTHEW ATKINSON, PROJECT MANAGER 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

**STAGE CONSTRUCTION PLAN**  
 SCALE: 1"=40'

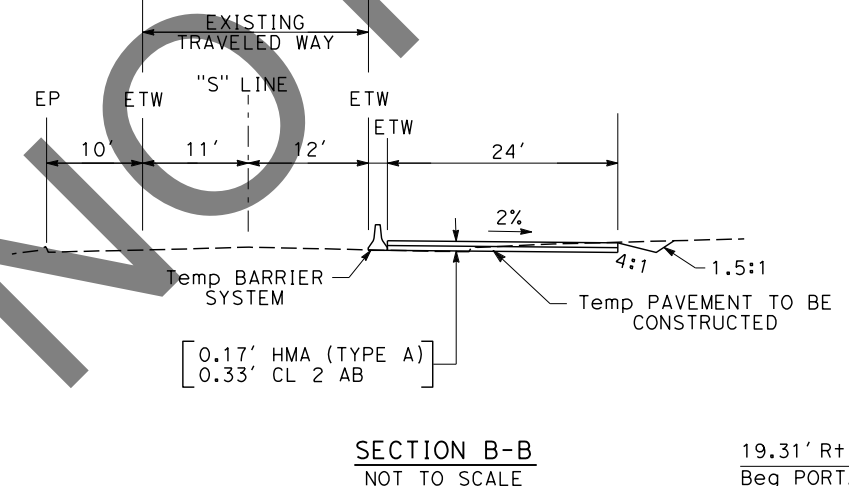
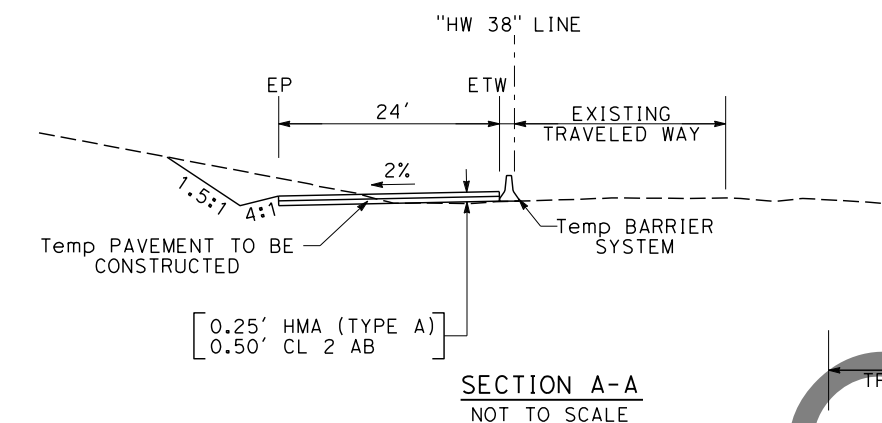
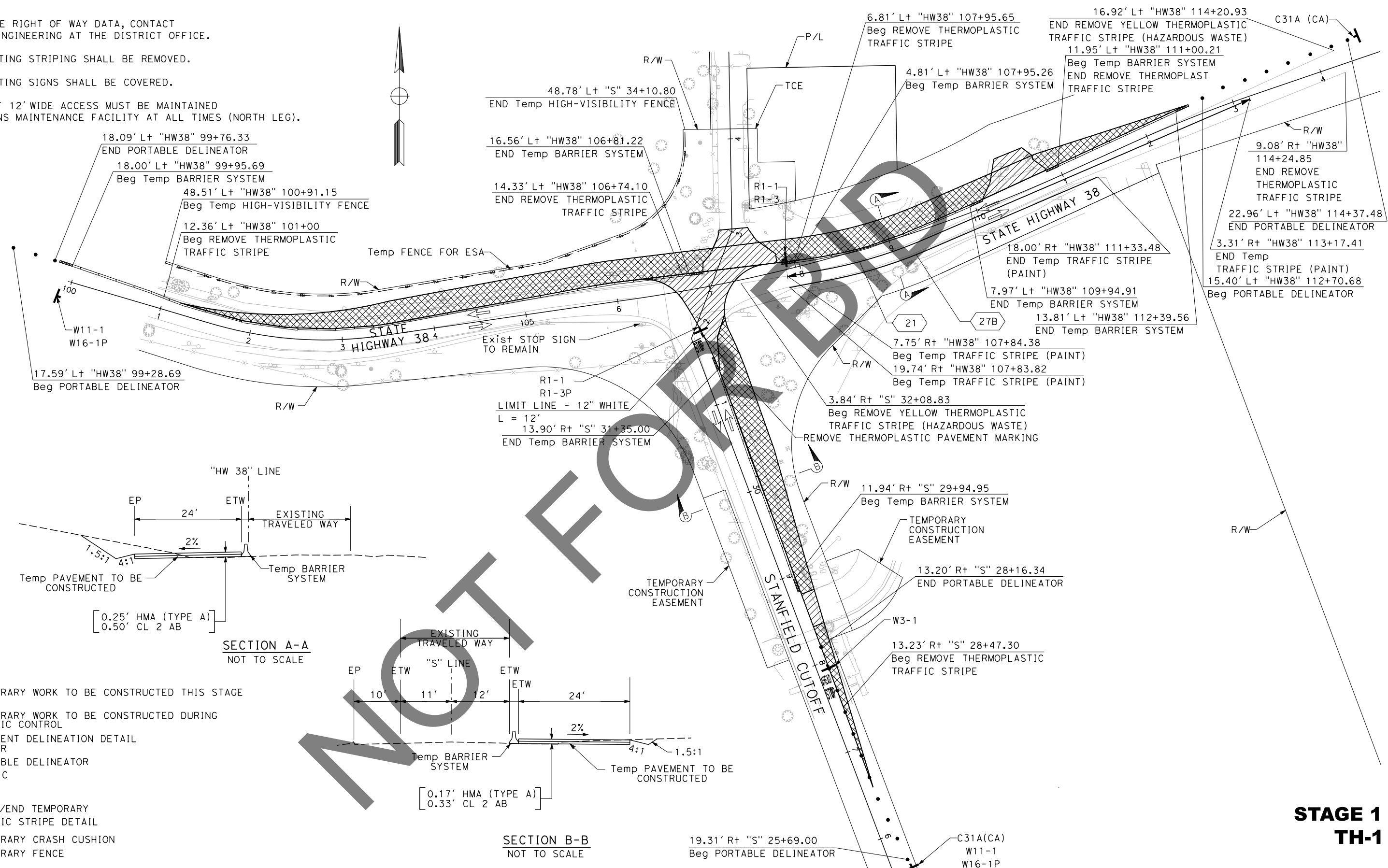
STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT

BIG BEAR AREA

ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 48 OF 72

**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL CONFLICTING STRIPING SHALL BE REMOVED.
3. ALL CONFLICTING SIGNS SHALL BE COVERED.
4. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).



**LEGEND:**

- TEMPORARY WORK TO BE CONSTRUCTED THIS STAGE
- TEMPORARY WORK TO BE CONSTRUCTED DURING TRAFFIC CONTROL
- PAVEMENT DELINEATION DETAIL NUMBER
- PORTABLE DELINEATOR 25' C-C
- SIGN
- BEGIN/END TEMPORARY TRAFFIC STRIPE DETAIL
- TEMPORARY CRASH CUSHION
- TEMPORARY FENCE

**STAGE 1  
TH-1**

REVISION 01/12/2023  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:49 PM  
 USERNAME => dnucl  
 DGN FILE => 2553md001.dgn

<p>Underground Service Alert</p> <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCHMARK</b></p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 &amp; 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 &amp; STANFIELD CUTOFF AS SHOWN PER SPSPN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p><b>DOKKEN ENGINEERING</b></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>		<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>CHRIS NGUYEN, P.E. TRANSPORTATION DESIGN ENGINEERING MANAGER</p> <p>6/26/24 DATE</p> <p>DESIGNED BY: <u>RS</u> DRAWN BY: <u>JP</u> CHECKED BY: <u>LK</u></p> <p>APPROVED BY: <u>Thomas Bustamonte</u> THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</p> <p>6/26/24 DATE</p> <p>APPROVED BY: <u>Mervat Mirhail</u> MERVAT MIRHAIL, P.E. DEPUTY DIRECTOR</p> <p>6/26/2024 DATE</p>	<p><b>TRAFFIC HANDLING PLAN</b></p> <p>SCALE: 1"=50'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDBOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO.</p> <p>STATE HIGHWAY 38</p> <p>W.O. NO. H15055</p> <p>SHEET 49 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. ALL CONFLICTING STRIPING SHALL BE REMOVED.
3. ALL CONFLICTING SIGNS SHALL BE COVERED.
4. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).

**LEGEND:**

- TEMPORARY PAVEMENT TO REMAIN FROM PREVIOUS STAGE
- WORK TO BE CONSTRUCTED THIS STAGE
- WORK TO BE CONSTRUCTED DURING TRAFFIC CONTROL

- PAVEMENT DELINEATION DETAIL NUMBER
- PORTABLE DELINEATOR 5' C-C
- PORTABLE DELINEATOR 25' C-C
- SIGN
- BEGIN/END OF Temp TRAFFIC STRIPE DETAIL
- TEMPORARY CRASH CUSHION
- TYPE III BARRICADE
- TEMPORARY FENCE

REVISION 01/12/2023

APPR. DATE

REVISIONS

MARK

APPR. DATE

REVISIONS

MARK



32.09' Lt "HW38" 106+17.20  
END Temp TRAFFIC STRIPE (PAINT)  
LIMIT LINE - 12" WHITE  
L = 12'

LIMIT LINE - 12" WHITE  
L = 10'  
20.32' Lt "HW38" 107+92.00  
Beg Temp TRAFFIC STRIPE (PAINT)

"HW38" 113+00.15  
END Temp TRAFFIC STRIPE (PAINT)

C31A(CA)  
W11-1  
W16-1P

11.85' Rt "HW38" 112+95.49  
END PORTABLE DELINEATOR

0.35' Rt "HW38" 101+06.00  
Beg REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)  
Beg Temp TRAFFIC STRIPE (PAINT)

11.89' Rt "HW38" 101+06.35  
Beg REMOVE THERMOPLASTIC TRAFFIC STRIPE

13.84' Rt "HW38" 101+33.91  
Beg PORTABLE DELINEATOR

4.60' Rt "HW38" 102+07.22  
END PORTABLE DELINEATOR

0.03' Rt "HW38" 102+28.82  
Beg Temp BARRIER SYSTEM

12.17' Rt "HW38" 103+44.86  
END REMOVE THERMOPLASTIC TRAFFIC STRIPE

"HW38" 106+45.00  
END REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)

25.30' Rt "HW38" 107+11.66  
Beg PORTABLE DELINEATOR

LIMIT LINE - 12" WHITE  
L = 16'

13.00' Rt "S" 32+00.00  
END Temp TRAFFIC STRIPE (PAINT)

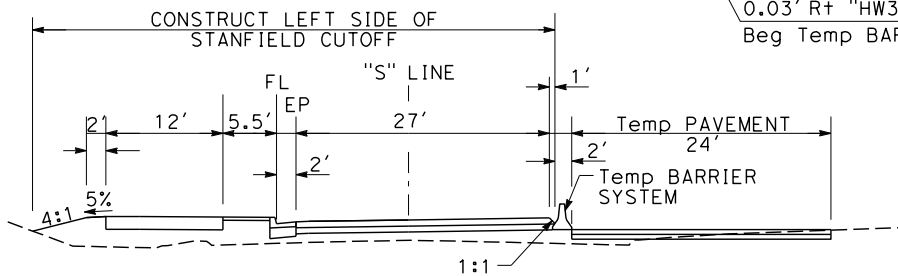
3.64' Lt "S" 28+58.36  
END Temp BARRIER SYSTEM  
END REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)

4.12' Rt "S" 28+61.25  
END PORTABLE DELINEATOR

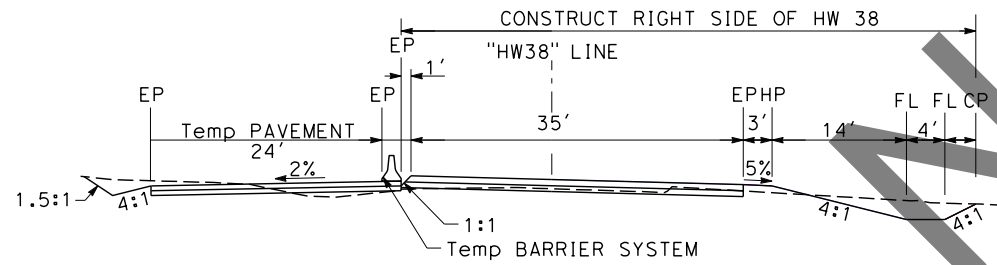
"S" 26+54.96  
Beg REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)  
Beg Temp TRAFFIC STRIPE (PAINT)

16.59' Lt "S" 26+08.06  
Beg PORTABLE DELINEATOR

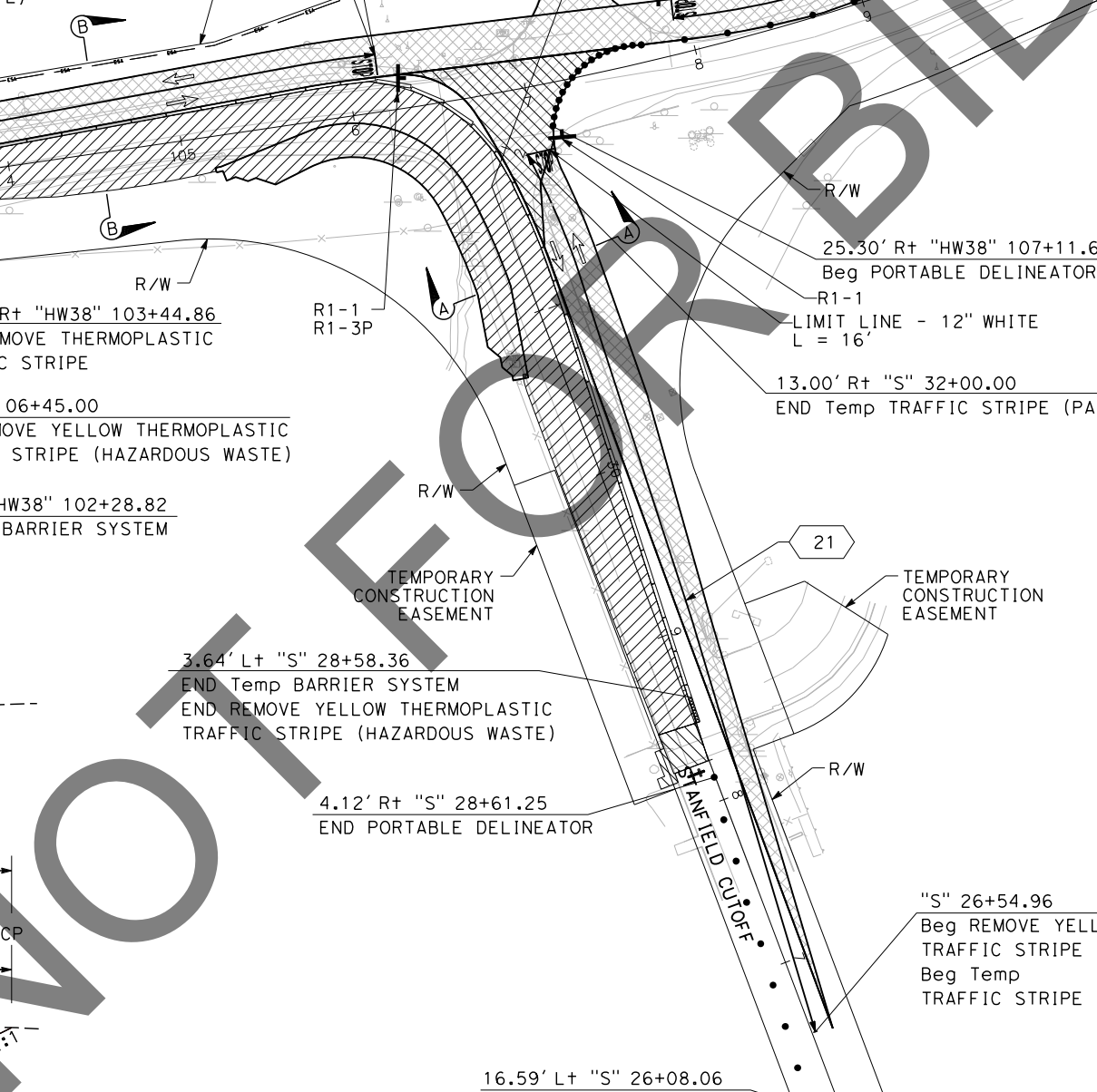
C31A(CA)  
W11-1  
W16-1P



SECTION A-A  
NOT TO SCALE



SECTION B-B  
NOT TO SCALE



**STAGE 2  
TH-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:  
**DOKKEN ENGINEERING**  
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  
SUPERVISING ENGINEER

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

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

**TRAFFIC HANDLING PLAN**  
SCALE: 1"=50'

STATE HIGHWAY 38  
STANFIELD CUTOFF  
ROUNDBOUT

BIG BEAR AREA

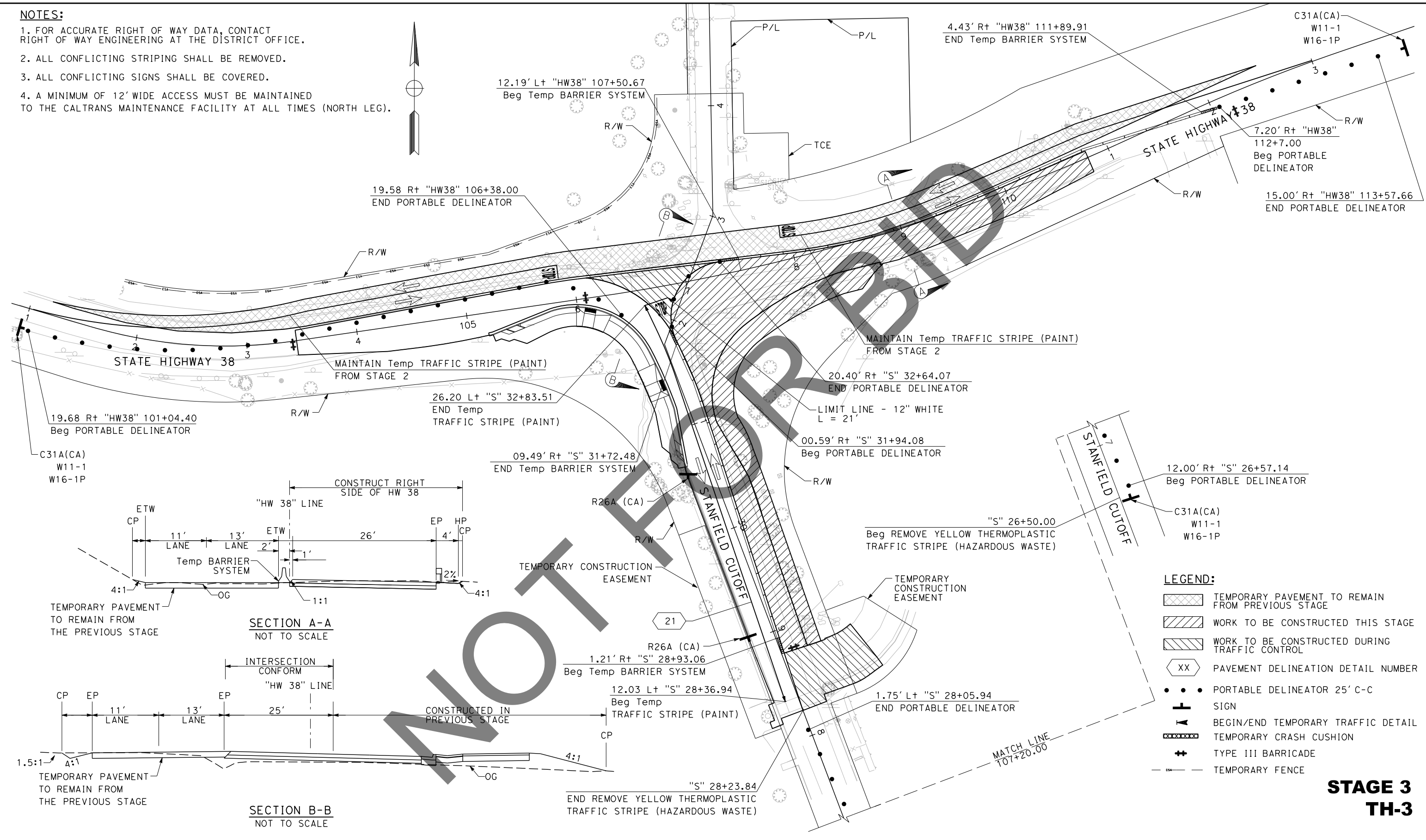
ROAD NO.  
W.O. NO.  
H15055

SHEET 50 OF 72

DATE PLOTTED => 6/21/2024  
TIME PLOTTED => 2:58:50 PM  
USERNAME => dnucl1  
DGN FILE => 2553md002.dgn

**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL CONFLICTING STRIPING SHALL BE REMOVED.
3. ALL CONFLICTING SIGNS SHALL BE COVERED.
4. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).



REVISION 01/12/2023

REVISIONS	DATE	APPR.

**LEGEND:**

- TEMPORARY PAVEMENT TO REMAIN FROM PREVIOUS STAGE
- WORK TO BE CONSTRUCTED THIS STAGE
- WORK TO BE CONSTRUCTED DURING TRAFFIC CONTROL
- PAVEMENT DELINEATION DETAIL NUMBER
- PORTABLE DELINEATOR 25' C-C
- SIGN
- BEGIN/END TEMPORARY TRAFFIC DETAIL
- TEMPORARY CRASH CUSHION
- TYPE III BARRICADE
- TEMPORARY FENCE

**STAGE 3 TH-3**

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

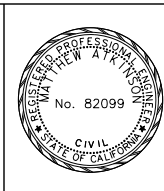
PREPARED BY:

**DOKKEN ENGINEERING**

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

06/12/24 DATE

MATTHEW ATKINSON, PROJECT MANAGER



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY  
DEPARTMENT OF PUBLIC WORKS

CHRIS NGUYEN, P.E.  
TRANSPORTATION DESIGN ENGINEERING MANAGER

6/26/24 DATE

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

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

6/26/24 DATE

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

6/26/2024 DATE

**TRAFFIC HANDLING PLAN**

SCALE: 1"=40'

STATE HIGHWAY 38  
STANFIELD CUTOFF  
ROUNDBOUT

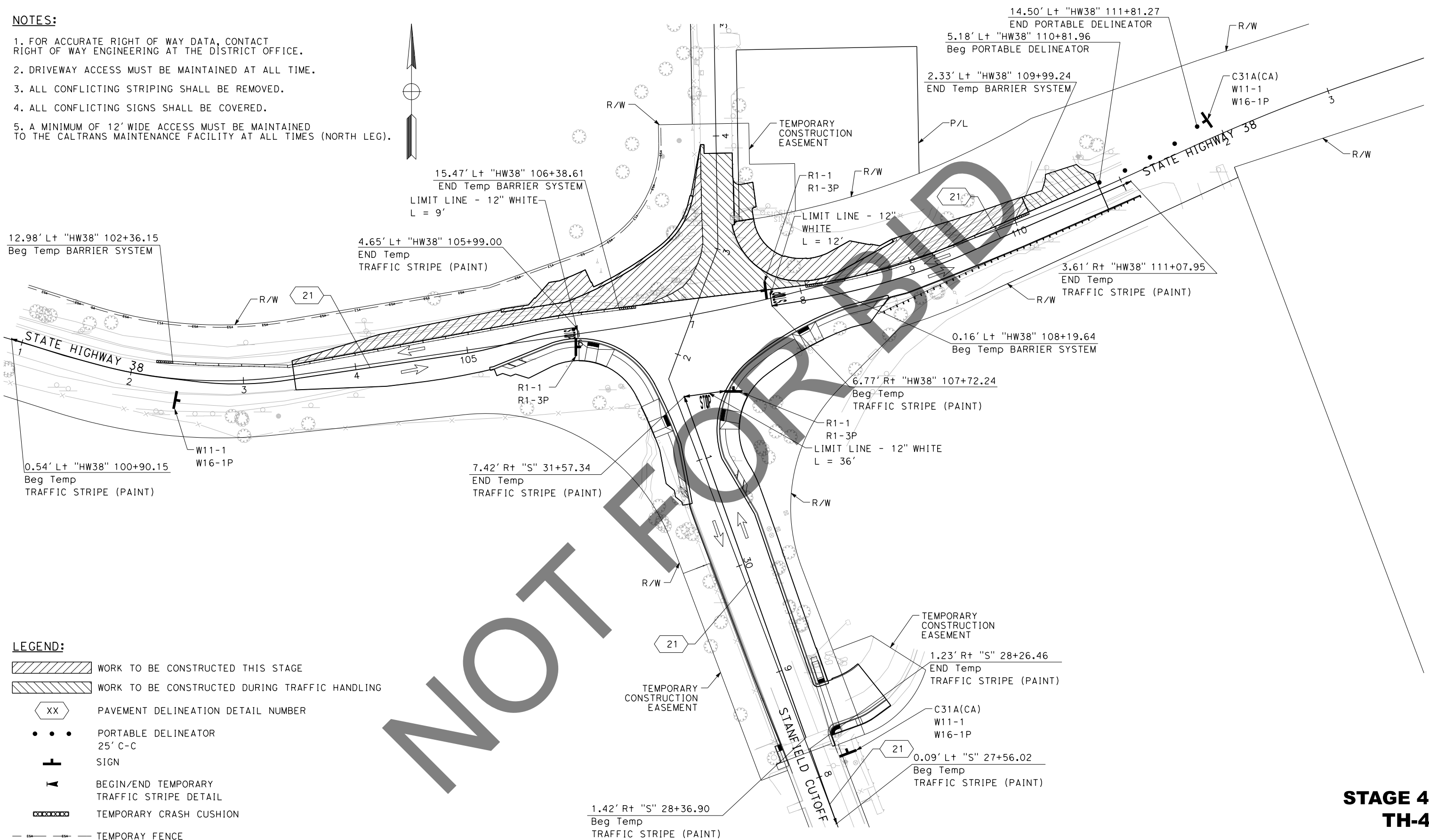
BIG BEAR AREA

ROAD NO. W.O. NO. H15055

SHEET 51 OF 72

**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIME.
3. ALL CONFLICTING STRIPING SHALL BE REMOVED.
4. ALL CONFLICTING SIGNS SHALL BE COVERED.
5. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).



**LEGEND:**

- WORK TO BE CONSTRUCTED THIS STAGE
- WORK TO BE CONSTRUCTED DURING TRAFFIC HANDLING
- PAVEMENT DELINEATION DETAIL NUMBER
- PORTABLE DELINEATOR 25' C-C
- SIGN
- BEGIN/END TEMPORARY TRAFFIC STRIPE DETAIL
- TEMPORARY CRASH CUSHION
- TEMPORARY FENCE

NOT FOR CONSTRUCTION

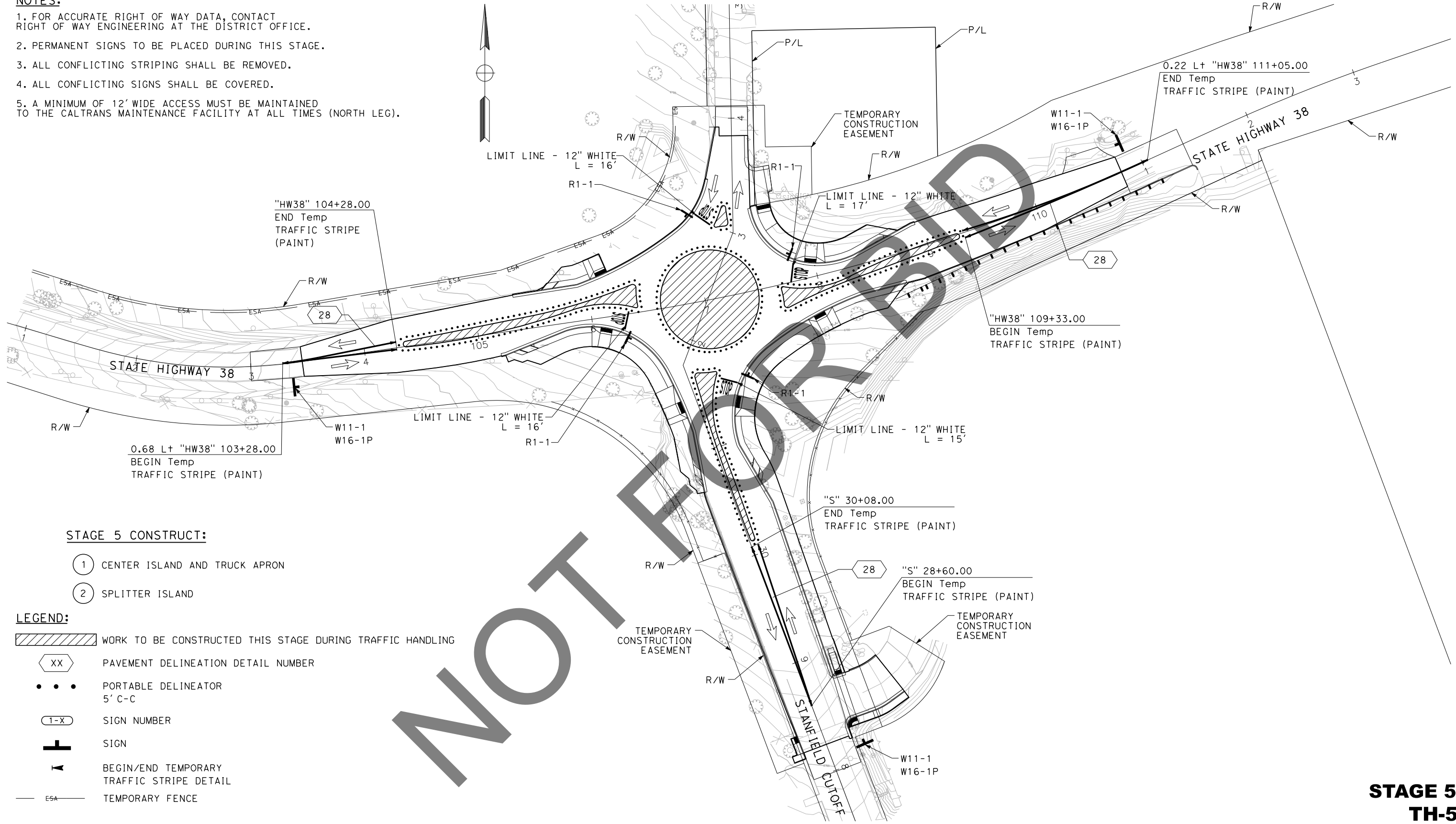
**STAGE 4  
TH-4**

REVISION 01/12/2023  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:52 PM  
 USERNAME => dnucl  
 DGN FILE => 2553md004.dgn

<p>Underground Service Alert</p> <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCHMARK</b></p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB. +/- 28" SOUTHERLY FROM HWY 38 &amp; 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 &amp; STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p><b>DOKKEN ENGINEERING</b></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>		<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</p> <p>TRANSPORTATION DESIGN ENGINEERING MANAGER</p> <p>THOMAS BUSTAMONTE, P.E. 6/26/24 DATE</p> <p>SUPERVISING ENGINEER</p>	<p style="text-align: center;"><b>TRAFFIC HANDLING PLAN</b></p> <p style="text-align: center;">SCALE: 1"=40'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDBOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO.</p> <p>STATE HIGHWAY 38</p> <p>W.O. NO. H15055</p> <p>SHEET 52 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. PERMANENT SIGNS TO BE PLACED DURING THIS STAGE.
3. ALL CONFLICTING STRIPING SHALL BE REMOVED.
4. ALL CONFLICTING SIGNS SHALL BE COVERED.
5. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).



**STAGE 5 CONSTRUCT:**

- 1 CENTER ISLAND AND TRUCK APRON
- 2 SPLITTER ISLAND

**LEGEND:**

- WORK TO BE CONSTRUCTED THIS STAGE DURING TRAFFIC HANDLING
- PAVEMENT DELINEATION DETAIL NUMBER
- PORTABLE DELINEATOR 5' C-C
- SIGN NUMBER
- SIGN
- BEGIN/END TEMPORARY TRAFFIC STRIPE DETAIL
- TEMPORARY FENCE

NOT FOR CONSTRUCTION

**STAGE 5  
TH-5**

REVISION 01/12/2023  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:53 PM  
 USERNAME => dnucl1  
 DGN FILE => 2553md005.dgn

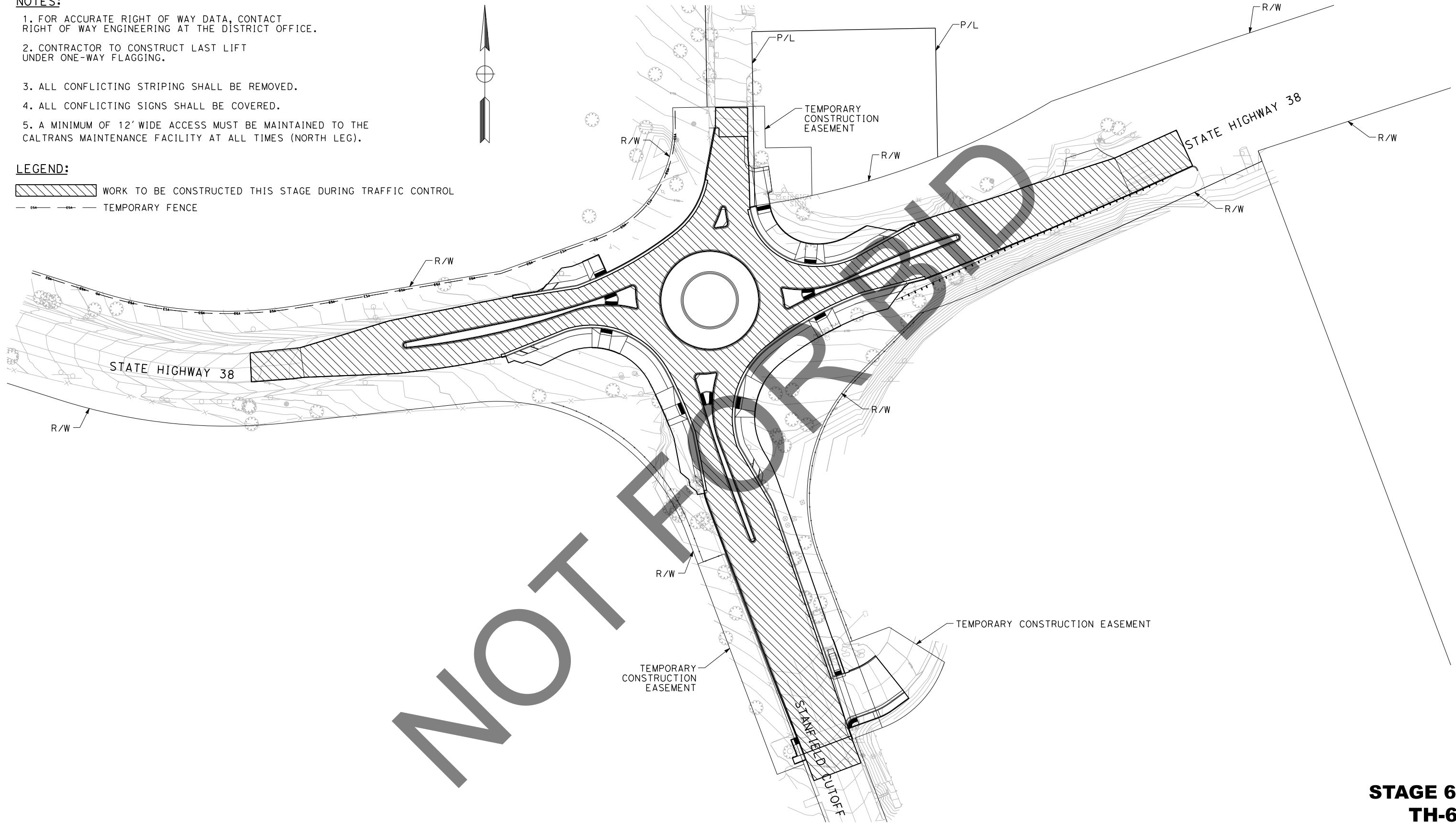
<p>Underground Service Alert Call: 811 TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCHMARK</b> S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 &amp; 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 &amp; STANFIELD CUTOFF AS SHOWN PER SPSN 00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY: <b>DOKKEN ENGINEERING</b> 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> </tbody> </table>	MARK	REVISIONS	APPR	DATE																	<p>SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DESIGNED BY: <i>Chris Nguyen</i> 6/26/24 DATE          TRANSPORTATION DESIGN ENGINEERING MANAGER          CHECKED BY: <i>JP</i> LK          APPROVED BY: <i>Thomas Bustamonte</i> 6/26/24 DATE          THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER          MERVAT MIRHAIL, P.E. DEPUTY DIRECTOR</p>	<p><b>TRAFFIC HANDLING PLAN</b> SCALE: 1"=40'</p> <p>STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDBOUT BIG BEAR AREA</p>	<p>ROAD NO. STATE HIGHWAY 38 W.O. NO. H15055 SHEET 53 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. CONTRACTOR TO CONSTRUCT LAST LIFT UNDER ONE-WAY FLAGGING.
3. ALL CONFLICTING STRIPING SHALL BE REMOVED.
4. ALL CONFLICTING SIGNS SHALL BE COVERED.
5. A MINIMUM OF 12' WIDE ACCESS MUST BE MAINTAINED TO THE CALTRANS MAINTENANCE FACILITY AT ALL TIMES (NORTH LEG).

**LEGEND:**

-  WORK TO BE CONSTRUCTED THIS STAGE DURING TRAFFIC CONTROL
-  TEMPORARY FENCE



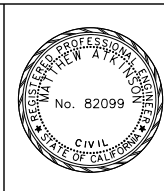
**STAGE 6  
TH-6**

DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:54 PM  
 USERNAME => dnucl1  
 DGN FILE => 2553md006.dgn  
 REVISIONS  
 APPR. DATE  
 MARK  
 REVISIONS  
 APPR. DATE  
 MARK  
 REVISIONS  
 APPR. DATE  
 MARK

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

**TRAFFIC HANDLING PLAN**  
 SCALE: 1"=40'  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA

ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 54 OF 72

## TEMPORARY TRAFFIC STRIPES AND PAVEMENT MARKINGS

SHEET No.	STAGE No.	STATION LIMITS	LOCATION	DETAIL No. OR PAVEMENT MARKING	TEMPORARY TRAFFIC STRIPE (PAINT)		Temporary Pavement Marking	
					6" SOLID WHITE	6" SOLID YELLOW		
					LF	LF		
TH-1	1	"HW38" 107+84 TO 113+17	CENTER	21		1072		
		"HW38" 107+84 TO 111+33	RIGHT	27B	354			
		"S" 31+75	RIGHT	STOP				22
		"S" 31+75	RIGHT	LIMIT LINE (STOP LINE)				12
		"S" 27+65	RIGHT	STOP				22
TH-2	2	"S" 27+81	RIGHT	AHEAD			31	
		"HW38" 101+06 TO 106+22	CENTER	21		1012		
		"HW38" 117+86 TO 113+00	CENTER	21		1014		
		"S" 26+55 TO 32+08	CENTER	21		1062		
		"HW38" 106+22	RIGHT	STOP				22
		"HW38" 106+22	RIGHT	LIMIT LINE (STOP LINE)				10
		"HW38" 117+86	LEFT	STOP				22
		"HW38" 117+86	LEFT	LIMIT LINE (STOP LINE)				10
		"S" 32+08	RIGHT	STOP				22
		"S" 32+08	RIGHT	LIMIT LINE (STOP LINE)				16
TH-3	3	"S" 28+36 TO 32+83	CENTER	21		760		
		"S" 32+83	RIGHT	STOP				22
		"S" 32+83	RIGHT	LIMIT LINE (STOP LINE)				21
TH-4	4	"HW38" 100+90 TO 106+00	CENTER	21		1020		
		"HW38" 107+72 TO 111+07	CENTER	21		680		
		"S" 27+56 TO 28+26	CENTER	21		142		
		"S" 28+36 TO 31+57	CENTER	21		642		
		"HW38" 106+00	RIGHT	STOP				22
		"HW38" 106+00	RIGHT	LIMIT LINE (STOP LINE)				9
		"HW38" 107+72	RIGHT	STOP				22
		"HW38" 107+72	RIGHT	LIMIT LINE (STOP LINE)				12
		"S" 31+57	RIGHT	STOP				22
		"S" 31+57	RIGHT	LIMIT LINE (STOP LINE)				36
TH-5	5	"HW38" 103+28 TO 104+28	CENTER	28		400		
		"HW38" 109+33 TO 111+05	CENTER	28		634		
		"S" 28+60 TO 30+08	CENTER	28		592		
		"HW38" 106+24	RIGHT	STOP				22
		"HW38" 106+24	RIGHT	LIMIT LINE (STOP LINE)				16
		"HW38" 107+85	LEFT	STOP				22
		"HW38" 107+86	LEFT	LIMIT LINE (STOP LINE)				17
		"S" 31+50	RIGHT	STOP				22
		"S" 31+51	RIGHT	LIMIT LINE (STOP LINE)				15
		"S" 33+12	LEFT	STOP				22
"S" 33+12	LEFT	LIMIT LINE (STOP LINE)				16		
<b>TOTAL</b>					354	9030	507	

### TEMPORARY BARRIER SYSTEM

SHEET No.	STAGE No.	STATION LIMITS	LOCATION	LF
TH-1	1	"HW38" 99+95 TO 106+81	LEFT	680
		"HW38" 107+95 TO 109+95	LEFT	200
		"HW38" 111+00 TO 112+40	LEFT	140
		"S" 29+95 TO 31+35	RIGHT	240
TH-2	2	"HW38" 102+28 TO "S" 28+58	RIGHT	800
TH-3	3	"S" 28+93 TO 31+73	RIGHT	280
TH-4	4	"HW38" 107+50 TO 111+90	RIGHT	440
		"HW38" 102+36 TO 106+38	LEFT	400
		"HW38" 108+20 TO 110+00	LEFT	180
<b>TOTAL</b>				<b>3360</b>

## PORTABLE DELINEATORS

SHEET No.	STAGE No.	STATION LIMITS	LOCATION	EA
TH-1	1	"HW38" 99+29 TO 99+76	LEFT	3
		"HW38" 112+95 TO 114+37	LEFT	8
		"S" 25+69 TO 28+16	RIGHT	12
TH-2	2	"HW38" 101+34 TO 102+07	LEFT	4
		"HW38" 107+11 TO 112+95	RIGHT	37
		"S" 26+08 TO 28+13	RIGHT	10
TH-3	3	"HW38" 101+04 TO 106+38	LEFT	23
		"HW38" 112+22 TO 113+73	RIGHT	7
		"S" 26+57 TO 28+06	RIGHT	7
TH-4	4	"S" 31+86 TO 32+64	RIGHT	5
		"HW38" 110+81 TO 111+81	LEFT	5
TH-5	5	"HW38"	WEST SPLITTER ISLAND	92
		"HW38"	EAST SPLITTER ISLAND	74
		"S"	SOUTH SPLITTER ISLAND	70
		"S"	NORTH SPLITTER ISLAND	13
		"S"	CENTER ISLAND	58
<b>TOTAL</b>				<b>428</b>

### TYPE III BARRICADE

SHEET No.	STAGE No.	STATION LIMITS	LOCATION	EA
TH-2	2	"HW38" 102+80	RIGHT	1
		"HW38" 111+05	RIGHT	1
		"S" 27+85	LEFT	1
TH-3	3	"HW38" 103+40	RIGHT	1
		"HW38" 110+90	RIGHT	1
		"HW38" 106+18	RIGHT	1
		"S" 28+78	RIGHT	1
<b>TOTAL</b>				<b>7</b>

### TEMPORARY HIGH-VISIBILITY FENCE

SHEET No.	STAGE No.	STATION LIMITS	LOCATION	LF
TH-1	1	"HW38" 100+91 TO 34+10	LEFT	650
<b>TOTAL</b>				<b>650</b>

### TEMPORARY CRASH CUSHION

SHEET No.	STAGE No.	STATION LIMITS	LOCATION	EA
TH-1	1	"HW38" 99+81	LEFT	1
		"HW38" 106+51	LEFT	1
		"HW38" 107+81	LEFT	1
		"HW38" 109+94	LEFT	1
		"HW38" 111+00	LEFT	1
		"HW38" 112+40	LEFT	1
		"S" 25+81	RIGHT	1
		"S" 31+35	RIGHT	1
TH-2	2	"HW38" 102+14	RIGHT	1
		"S" 28+44	LEFT	1
TH-3	3	"HW38" 107+36	RIGHT	1
		"HW38" 111+90	RIGHT	1
		"S" 28+79	RIGHT	1
TH-4	4	"S" 31+72	RIGHT	1
		"HW38" 102+22	LEFT	1
		"HW38" 106+39	LEFT	1
		"HW38" 108+05	LEFT	1
"HW38" 109+99	LEFT	1		
<b>TOTAL</b>				<b>18</b>

THQ-1

REVISION 01/12/2023

DATE PLOTTED => 6/21/2024  
TIME PLOTTED => 2:58:55 PM  
USERNAME => dnucl  
DGN FILE => 2553mf001.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

Professional Engineer Seal: Matthew Atkinson, No. 82099, State of California

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 Mikhail DATE: 6/26/2024  
MERVAT MIKHAIL, P.E., DEPUTY DIRECTOR

**TRAFFIC HANDLING QUANTITIES**

NO SCALE

STATE HIGHWAY 38  
STANFIELD CUTOFF  
ROUNDBOUT

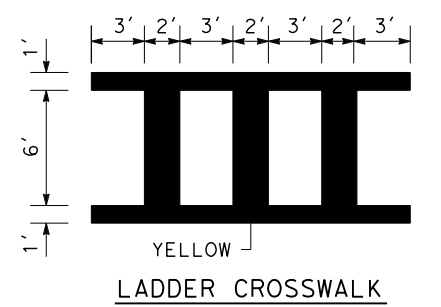
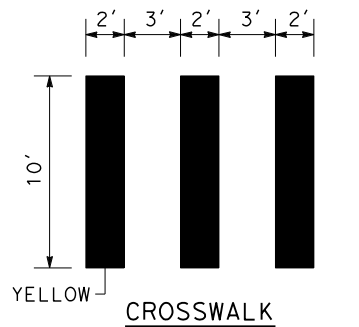
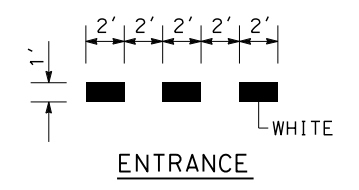
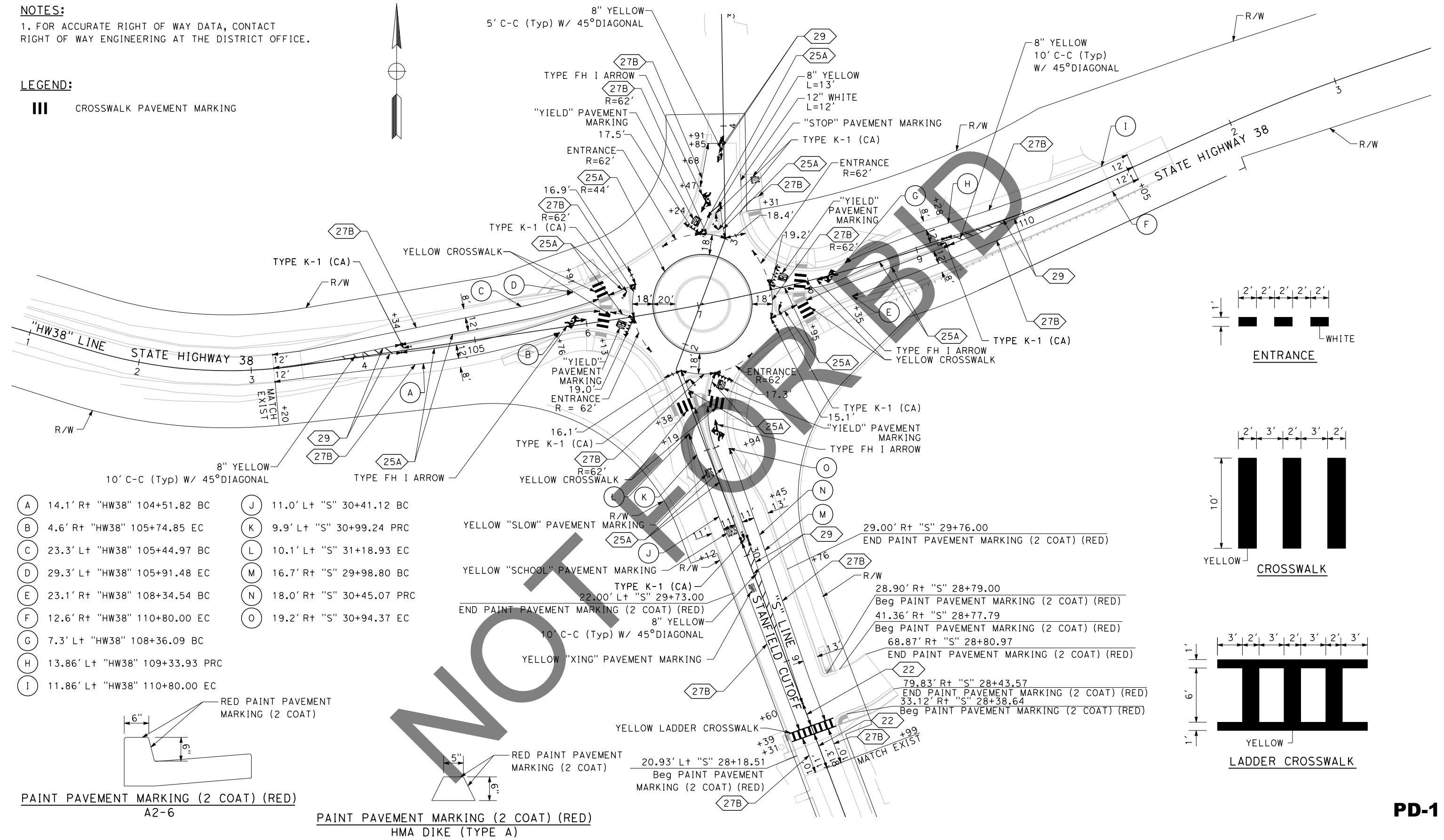
BIG BEAR AREA

ROAD NO. \_\_\_\_\_  
W.O. NO. H15055  
SHEET 55 OF 72

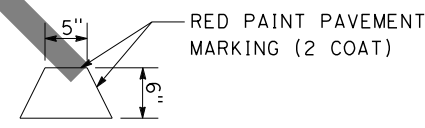
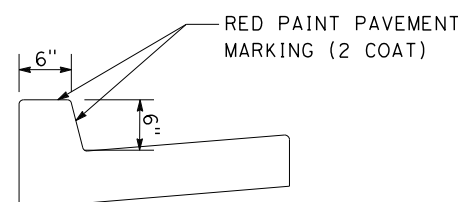


**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT  
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

**LEGEND:**  
 CROSSWALK PAVEMENT MARKING



- A 14.1' Rt "HW38" 104+51.82 BC
- B 4.6' Rt "HW38" 105+74.85 EC
- C 23.3' Lt "HW38" 105+44.97 BC
- D 29.3' Lt "HW38" 105+91.48 EC
- E 23.1' Rt "HW38" 108+34.54 BC
- F 12.6' Rt "HW38" 110+80.00 EC
- G 7.3' Lt "HW38" 108+36.09 BC
- H 13.86' Lt "HW38" 109+33.93 PRC
- I 11.86' Lt "HW38" 110+80.00 EC
- J 11.0' Lt "S" 30+41.12 BC
- K 9.9' Lt "S" 30+99.24 PRC
- L 10.1' Lt "S" 31+18.93 EC
- M 16.7' Rt "S" 29+98.80 BC
- N 18.0' Rt "S" 30+45.07 PRC
- O 19.2' Rt "S" 30+94.37 EC





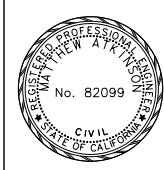
PAINT PAVEMENT MARKING (2 COAT) (RED)  
 A2-6

PAINT PAVEMENT MARKING (2 COAT) (RED)  
 HMA DIKE (TYPE A)

**PD-1**

USERNAME => dnucl1  
 DGN FILE => 2553n001.dgn  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:57 PM  
 REVISIONS  
 MARK  
 APPR. DATE  
 REVISIONS  
 MARK  
 APPR. DATE

REVISION 01/12/2023

 <p>Underground Service Alert          Call: 811          TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCHMARK</b>          S.B.CO BRASS DISK STAMPED 63-1-12          1975 ON TOP OF CURB. +/- 28"          SOUTHERLY FROM HWY 38 &amp; 0.15 MILES          EASTERLY FROM INTERSECTION HWY 38 &amp;          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>		MARK REVISIONS APPR. DATE	SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS DESIGNED BY: <i>Chris Nguyen</i> 6/26/24 DATE TRANSPORTATION DESIGN ENGINEERING MANAGER CHECKED BY: <i>JP</i> LK APPROVED BY: <i>Thomas Bustamonte</i> 6/26/24 DATE THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER DEPUTY DIRECTOR	<b>PAVEMENT DELINEATION PLAN</b> SCALE: 1"=40' STATE HIGHWAY 38 STANFIELD CUTOFF ROUNDABOUT BIG BEAR AREA	ROAD NO. STATE HIGHWAY 38 W.O. NO. H15055 SHEET 56 OF 72

DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:58:58 PM  
 USERNAME => dnucl  
 DGN FILE => 2553nc001.dgn

REVISION 01/12/2023

### PAVEMENT DELINEATION QUANTITIES

LOCATION	THERMOPLASTIC TRAFFIC STRIPE			THERMOPLASTIC PAVEMENT MARKING												PAVEMENT MARKER RETROFLECTIVE-RECESSED		PAINT PAVEMENT MARKING (2 COAT)
	6"			8" YELLOW	12" WHITE	YIELD LINE	"YIELD"	"SLOW" (YELLOW)	"SCHOOL" (YELLOW)	"XING" (YELLOW)	"STOP"	ENTRANCE	CROSSWALK	CROSSWALK (YELLOW)	TYPE FH I ARROW	TYPE D	TYPE H	
	DETAIL 27B	DETAIL 25B	DETAIL 29															
"HW38" WEST	551	683	227	23		18	24					18	120		50	21	15	
"HW38" EAST	572	316	336	23		18	24					18	120		50	30	8	
"S" SOUTH	475	297	308	36		18	24	23	32	21		20	120	262	50	28	7	331
"S" NORTH	74	52	42	23	12	18	24				22	12			50	6	2	
<b>TOTAL</b>	3933			1273												116		331

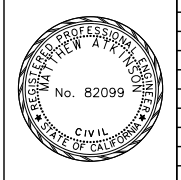
NOT FOR BID

**PDQ-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  
 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: JO 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

**PD QUANTITIES**  
 NO SCALE  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA

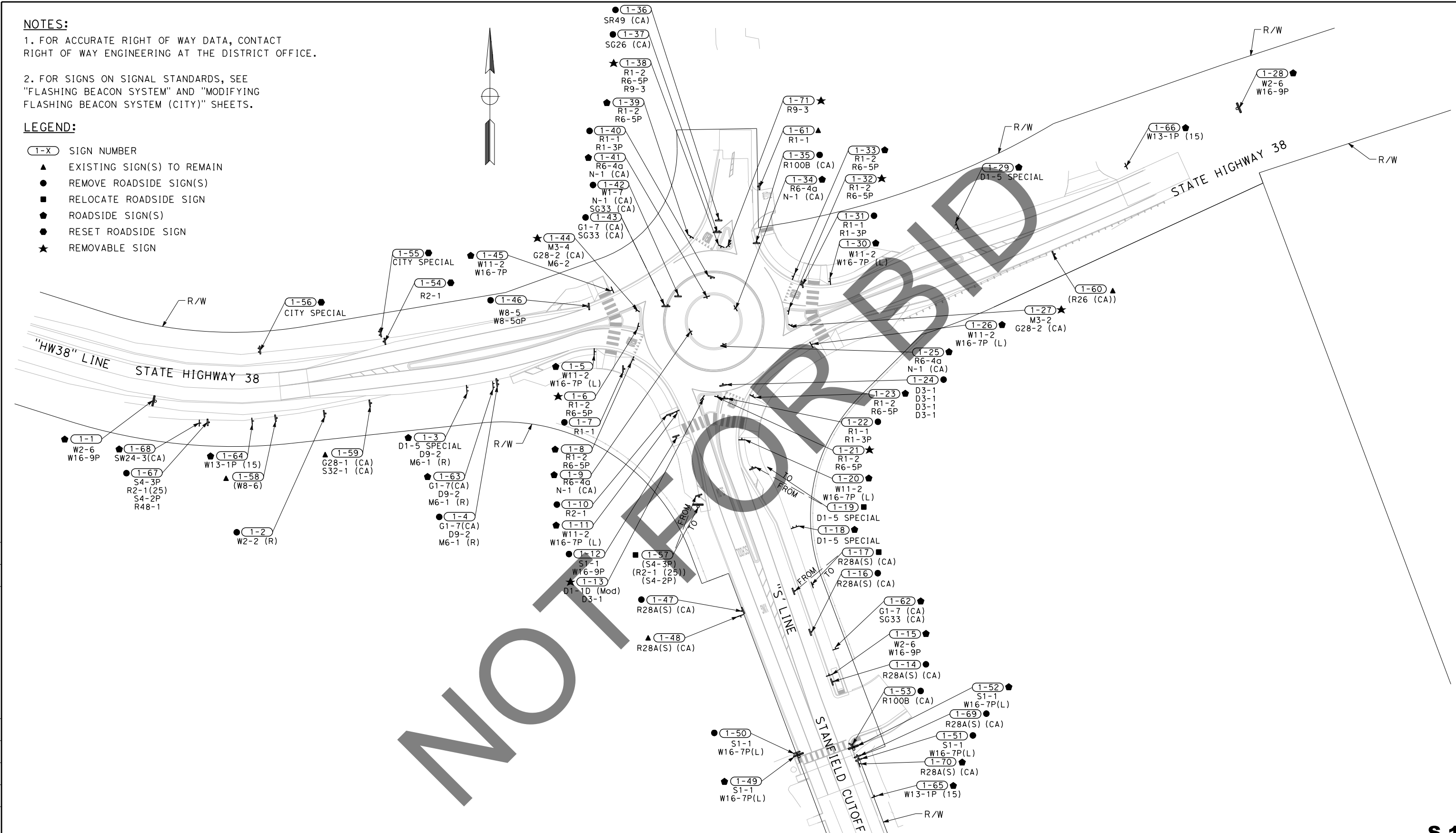
ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 57 OF 72

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR SIGNS ON SIGNAL STANDARDS, SEE "FLASHING BEACON SYSTEM" AND "MODIFYING FLASHING BEACON SYSTEM (CITY)" SHEETS.

**LEGEND:**

- (1-X) SIGN NUMBER
- ▲ EXISTING SIGN(S) TO REMAIN
- REMOVE ROADSIDE SIGN(S)
- RELOCATE ROADSIDE SIGN
- ◆ ROADSIDE SIGN(S)
- RESET ROADSIDE SIGN
- ★ REMOVABLE SIGN



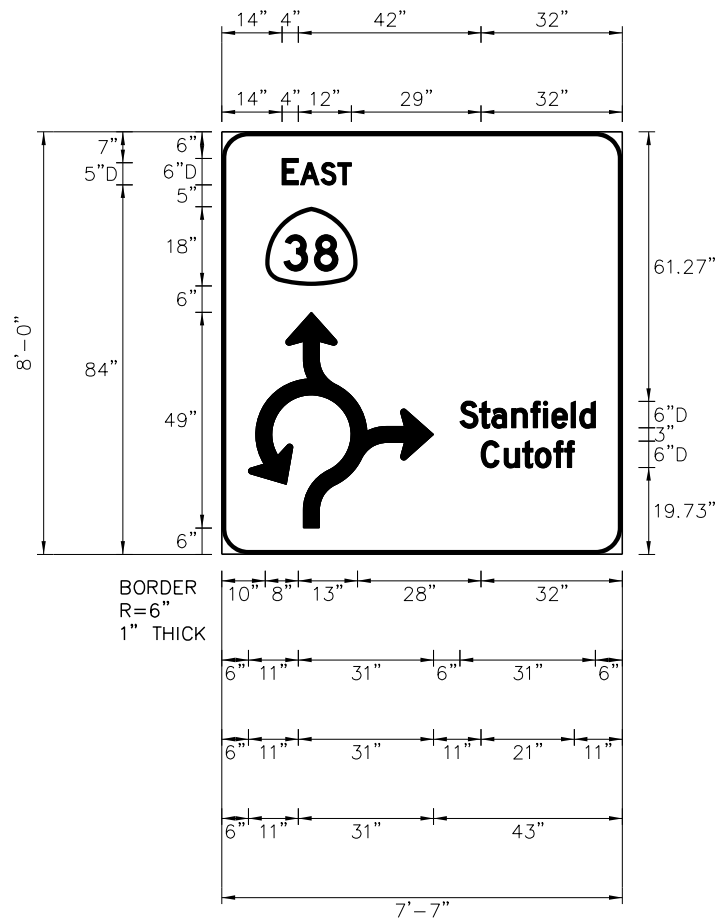
REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

**S-1**

<p>Underground Service Alert</p> <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCHMARK</b></p> <p>S.B.CO BRASS DISK STAMPED 63-1-12 1975 ON TOP OF CURB, +/- 28" SOUTHERLY FROM HWY 38 &amp; 0.15 MILES EASTERLY FROM INTERSECTION HWY 38 &amp; 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>Matthew Atkinson, Project Manager</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 style="text-align: center;">SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p style="text-align: center;">Chris Nguyen, P.E. TRANSPORTATION DESIGN ENGINEERING MANAGER</p> <p style="text-align: center;">Thomas Bustamonte THOMAS BUSTAMONTE, P.E. SUPERVISING ENGINEER</p> <p style="text-align: center;">6/26/24 DATE</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY: JO</td> <td>DRAWN BY: JP</td> <td>CHECKED BY: LK</td> </tr> <tr> <td colspan="3">APPROVED BY: Mervat Mirhail, P.E. DEPUTY DIRECTOR</td> </tr> <tr> <td colspan="2">6/26/24 DATE</td> <td>6/26/2024 DATE</td> </tr> </table>	DESIGNED BY: JO	DRAWN BY: JP	CHECKED BY: LK	APPROVED BY: Mervat Mirhail, P.E. DEPUTY DIRECTOR			6/26/24 DATE		6/26/2024 DATE	<p style="text-align: center;"><b>SIGN PLAN</b> 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. STATE HIGHWAY 38</p> <p>W.O. NO. H15055</p> <p>SHEET 58 OF 72</p>
MARK	REVISIONS	APPR.	DATE																														
DESIGNED BY: JO	DRAWN BY: JP	CHECKED BY: LK																															
APPROVED BY: Mervat Mirhail, P.E. DEPUTY DIRECTOR																																	
6/26/24 DATE		6/26/2024 DATE																															

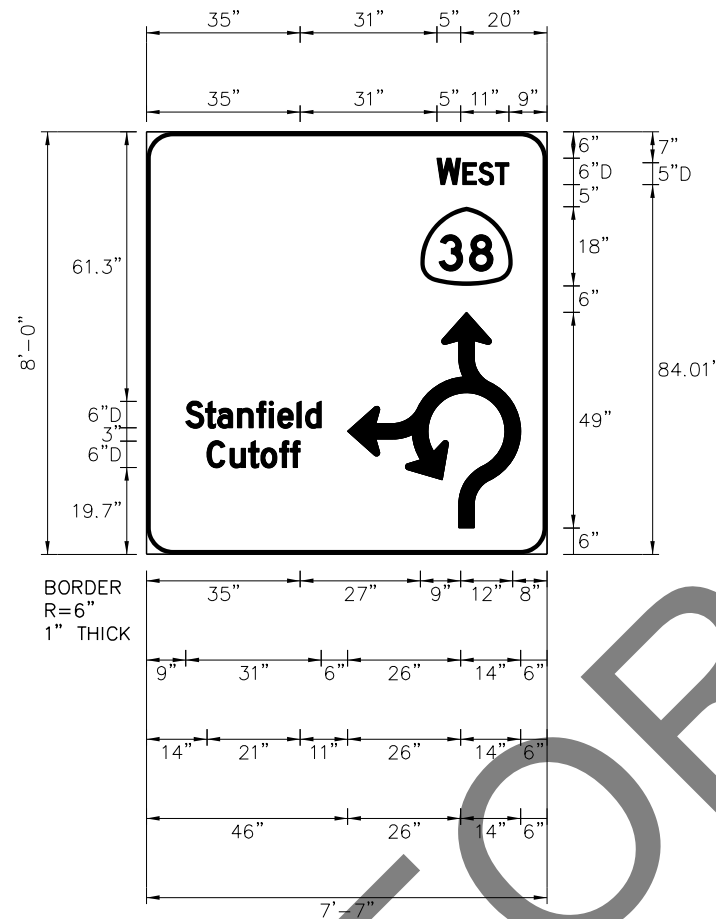
SIGN No. (1-3)  
D1-5



BORDER  
R=6"  
1" THICK

BORDER AND LEGEND: WHITE  
PANEL: GREEN

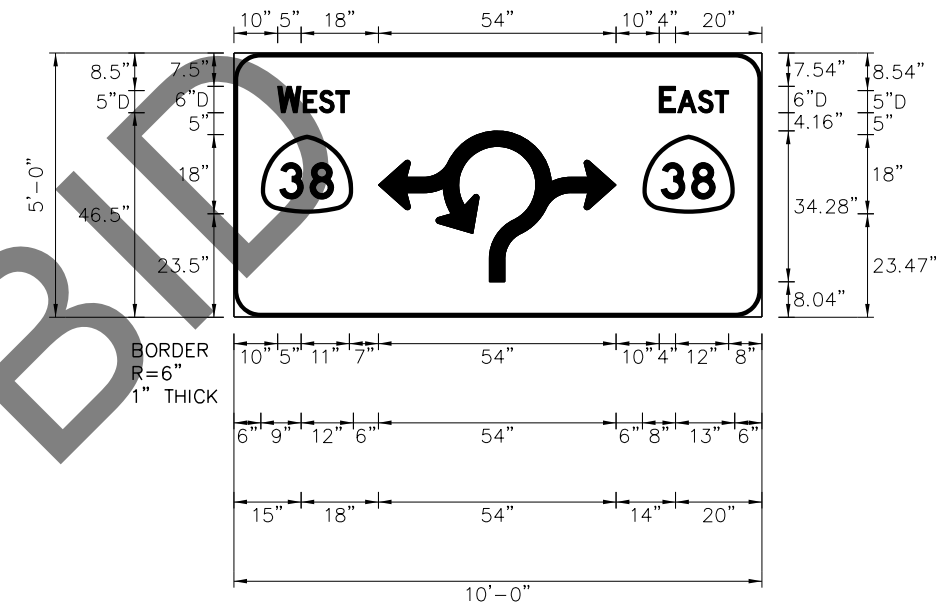
SIGN No. (1-29)  
D1-5



BORDER  
R=6"  
1" THICK

BORDER AND LEGEND: WHITE  
PANEL: GREEN

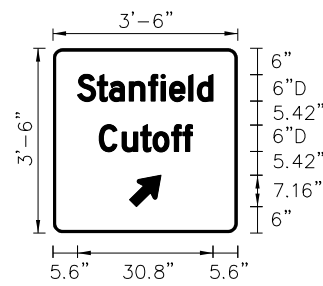
SIGN No. (1-18)  
D1-5



BORDER  
R=6"  
1" THICK

BORDER AND LEGEND: WHITE  
PANEL: GREEN

SIGN No. (1-13)  
D1-1d (Mod)



BORDER AND LEGEND: WHITE  
PANEL: GREEN

BORDER  
R=2.25"  
0.75" THICK

NOT FOR BIDDING

**SD-1**

USERNAME => dnucl1  
 DGN FILE => 255306001.dgn  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:59:01 PM

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

Underground Service Alert

Call: 811

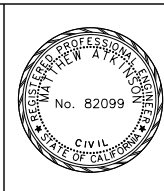
TWO WORKING DAYS BEFORE YOU DIG

**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



MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY  
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: JO DATE: 6/26/24  
 DRAWN BY: JK  
 CHECKED BY: LK

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

**SIGN DETAILS**  
NO SCALE

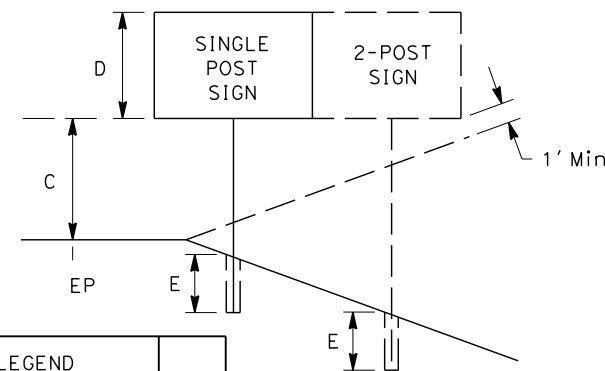
STATE HIGHWAY 38  
STANFIELD CUTOFF  
ROUNDBOUT

BIG BEAR AREA

ROAD NO.  
W.O. NO. H15055  
SHEET 59 OF 72

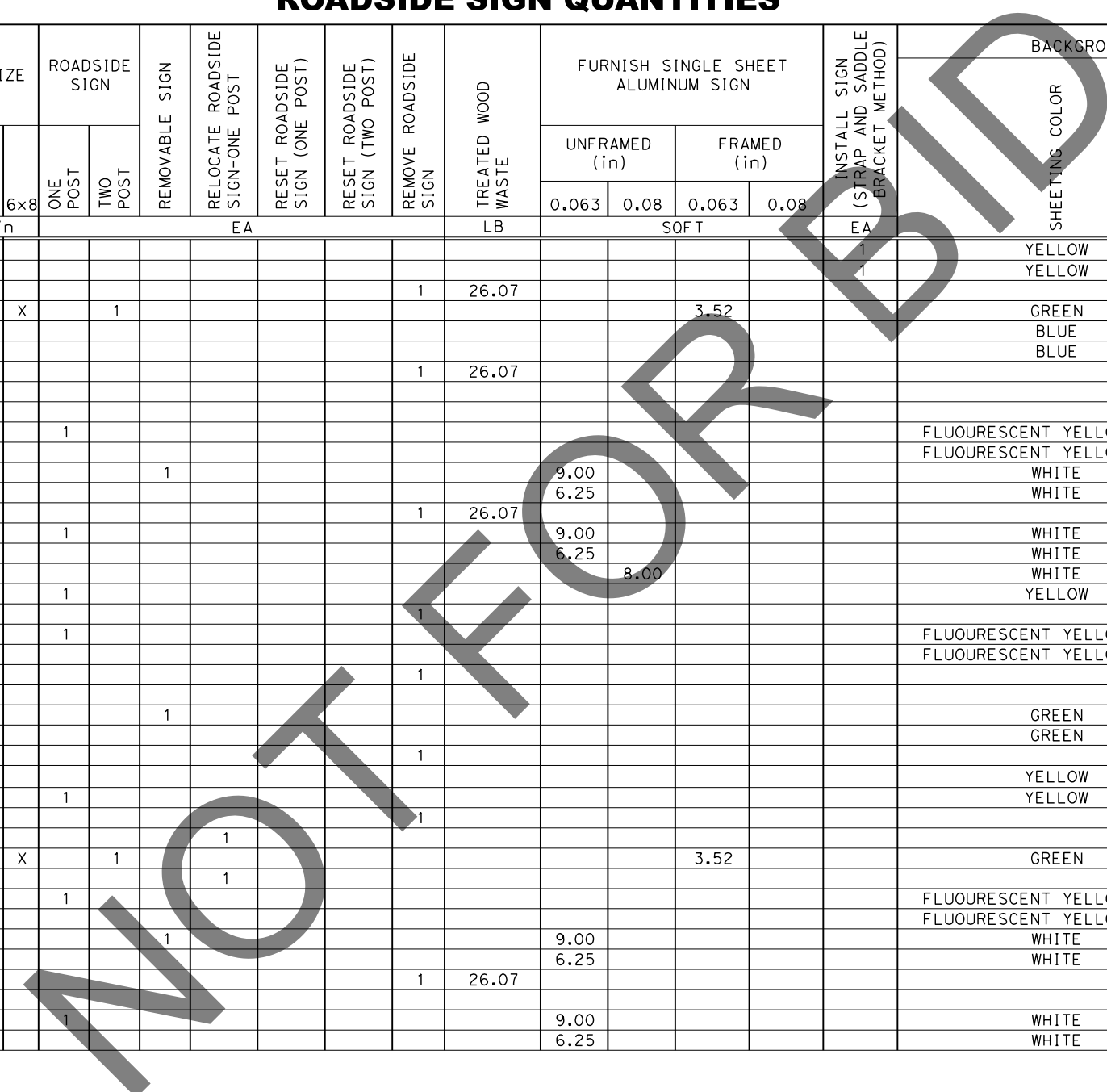
**NOTES:**

- 1. FEDERAL MANUAL ON TRAFFIC CONTROL DEVICES (MUTCD) SIGN CODES ARE SHOWN UNLESS DESIGNATED (CA) INDICATING CALIFORNIA SIGN SPECIFICATIONS
- 2. MINIMUM POST LENGTHS WERE CALCULATED ASSUMING A LEVEL GROUND SURFACE FROM THE EP.  
ENSURE C DIMENSION IS MET. POST LENGTHS MAY VARY DUE TO SITE CONDITIONS.
- 3. EXACT LOCATIONS OF SIGNS AND POSTS SHALL BE DETERMINED BY THE ENGINEER.



**ROADSIDE SIGN QUANTITIES**

SIGN No.	CODE	PANEL SIZE		C ft	MINIMUM POST LENGTH ft	POST SIZE			ROADSIDE SIGN		REMOVABLE SIGN	RELOCATE ROADSIDE SIGN-ONE POST	RESET ROADSIDE SIGN (ONE POST)	RESET ROADSIDE SIGN (TWO POST)	REMOVE ROADSIDE SIGN	TREATED WOOD WASTE LB	FURNISH SINGLE SHEET ALUMINUM SIGN				INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD) EA	BACKGROUND SHEETING COLOR	RETRO-REFLECTIVE ASTM TYPE	LEGEND			PREMIUM FILM OVERLAY								
		Horiz in	Vert in			4x4	4x6	6x8	ONE POST	TWO POST							EA	SOFT	EA	SHEETING COLOR				RETRO-REFLECTIVE ASTM TYPE	LEGEND COLOR	REFLECTIVE ASTM TYPE		BLACK (NON-REFLECTIVE)	PREMIUM FILM OVERLAY						
		UNFRAMED (in)				FRAMED (in)		EA	SOFT	EA																				SHEETING COLOR	RETRO-REFLECTIVE ASTM TYPE	LEGEND COLOR	REFLECTIVE ASTM TYPE	BLACK (NON-REFLECTIVE)	PREMIUM FILM OVERLAY
		0.063	0.08			0.063	0.08																												
1-1	W2-6	30	30	7.0																1	YELLOW	XI	BLACK	XI	X	X									
	W16-9P	30	18		5.0	X								1	26.07					1	YELLOW	XI	BLACK	-	X	X									
1-2	W2-2 (R)																																		
	D1-5 SPECIAL	96	78	7.0	19.5			X		1										3.52						X									
1-3	D9-2	24	24																							X									
	M6-1 (R)	21	15																							X									
1-4	G1-7(CA)													1	26.07																				
	D9-2																																		
	M6-1 (R)																																		
1-5	W11-2	36	36	7.0	14.5		X		1																	X									
	W16-7P (L)	36	36																							X									
1-6	R1-2	36	36	7.0						1									9.00							X									
	R6-5P	30	30																6.25							X									
1-7	R1-1													1	26.07											X									
1-8	R1-2	36	36	7.0					1										9.00							X									
	R6-5P	30	30																6.25							X									
1-9	R6-4a	48	24	7.0																8.00						X									
	N-1 (CA)	18	18		5.0	X			1																	X									
1-10	R2-1													1												X									
1-11	W11-2	36	36	7.0	14.5		X		1																	X									
	W16-7P (L)	36	36																							X									
1-12	S1-1													1												X									
	W16-9P																									X									
1-13	D1-1d (Mod)	60	18	7.0	13.0		X			1																X									
	D3-1	VAR	18																							X									
1-14	R28A(S) (CA)													1												X									
1-15	W2-6	30	30	7.0																						X									
	W16-9P	30	18		5.0	X			1																	X									
1-16	R28A(S) (CA)													1												X									
1-17	R28A(S) (CA)													1												X									
1-18	D1-5 SPECIAL	96	78	7.0	19.5			X		1										3.52						X									
1-19	CITY SPECIAL			7.0																						X									
	W11-2	36	36	7.0	14.5		X		1																	X									
	W16-7P (L)	36	36																							X									
1-20	R1-2	36	36	7.0			X			1									9.00							X									
1-21	R6-5P	30	30																6.25							X									
1-22	R1-1													1	26.07											X									
	R1-3P																									X									
1-23	R1-2	36	36	7.0			X		1										9.00							X									
	R6-5P	30	30																6.25							X									



REVISION 01/12/2023

DATE	APP. DATE	REVISIONS	MARK

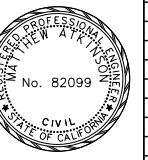
DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:59:02 PM  
 USERNAME => dnucl  
 DGN FILE => 25530d001.dgn

**SQ-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  
 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



DATE	APP. DATE	REVISIONS	MARK

SAN BERNARDINO COUNTY  
 DEPARTMENT OF PUBLIC WORKS  
  
 CHRS NGUYEN, P.E. 6/26/24 DATE  
 TRANSPORTATION DESIGN ENGINEERING MANAGER  
 THOMAS BUSTAMONTE, P.E. 6/26/24 DATE  
 SUPERVISING ENGINEER  
 DESIGNED BY: JO  
 DRAWN BY: JP  
 CHECKED BY: LK  
 APPROVED BY: Mervat Mirhail  
 6/26/2024 DATE  
 MERVAT MIRHAIL, P.E.  
 DEPUTY DIRECTOR

**SIGN QUANTITIES**  
 NO SCALE  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA

ROAD NO.  
 W.O. NO. H15055  
 SHEET 60 OF 72



**NOTES:**

- FEDERAL MANUAL ON TRAFFIC CONTROL DEVICES (MUTCD) SIGN CODES ARE SHOWN UNLESS DESIGNATED (CA) INDICATING CALIFORNIA SIGN SPECIFICATIONS
- MINIMUM POST LENGTHS WERE CALCULATED ASSUMING A LEVEL GROUND SURFACE FROM THE EP. ENSURE C DIMENSION IS MET. POST LENGTHS MAY VARY DUE TO SITE CONDITIONS.
- EXACT LOCATIONS OF SIGNS AND POSTS SHALL BE DETERMINED BY THE ENGINEER.

**ROADSIDE SIGN QUANTITIES**

SIGN No.	CODE	PANEL SIZE		C	MINIMUM POST LENGTH	POST SIZE			ROADSIDE SIGN		REMOVABLE SIGN	RELOCATE ROADSIDE SIGN-ONE POST	RESET ROADSIDE SIGN (ONE POST)	RESET ROADSIDE SIGN (TWO POST)	REMOVE ROADSIDE SIGN	TREATED WOOD WASTE	FURNISH SINGLE SHEET ALUMINUM SIGN				INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	BACKGROUND		LEGEND				
		Horiz in	Vert in			4x4 in x in	4x6 in x in	6x8 in x in	ONE POST	TWO POST							UNFRAMED (in)	FRAMED (in)	SHEETING COLOR	RETRO-REFLECTIVE ASTM TYPE		LEGEND COLOR	REFLECTIVE ASTM TYPE	BLACK (NON-REFLECTIVE)	PREMIUM FILM OVERLAY			
																										0.063	0.08	0.063
1-47	R28A(S) (CA)																5.00				WHITE	IX	RED	XI	X	X		
1-48	R28A(S) (CA)	24	30	7.0	13.0				1								6.25			1	FLUORESCENT YELLOW-GREEN	XI	BLACK	XI	X	X		
1-49	S1-1	30	30	7.0	14.0														1	FLUORESCENT YELLOW-GREEN	XI	BLACK	-	X	X			
	W16-7P(L)	24	12																1	FLUORESCENT YELLOW-GREEN	XI	BLACK	-	X	X			
1-50	S1-1															1												
	W16-7P(L)																											
1-51	S1-1															1												
	W16-7P(L)																											
1-52	S1-1	30	30	7.0	14.0												6.25			1	FLUORESCENT YELLOW-GREEN	XI	BLACK	-	X	X		
	W16-7P(L)	24	12																1	FLUORESCENT YELLOW-GREEN	XI	BLACK	-	X	X			
1-53	R100B (CA)															1										X		
1-54	R2-1			7.0																						X		
1-55	CITY SPECIAL																									X		
1-56	CITY SPECIAL																									X		
	S4-3P			7.0																1								
1-57	R2-1																			1								
	S4-2P																			1								
1-58	W8-6																									X		
1-59	G28-1 (CA)																									X		
	S32-1 (CA)																									X		
1-60	R26(CA)																									X		
1-61	R1-1															1										X		
1-62	G1-7(CA)	48	24	7.0																	GREEN	XI	WHITE	XI		X		
	SG33 (CA)																											
1-63	G1-7(CA)	48	24	7.0					1												GREEN	XI	WHITE	XI		X		
	D9-2	24	24																		BLUE	XI	WHITE	XI		X		
	M6-1 (R)	21	15																		BLUE	XI	WHITE	XI		X		
1-64	W13-1P (15)	48	48	7.0	7.0				1												YELLOW	XI	BLACK	XI	X	X		
1-65	W13-1P (15)	48	48	7.0	7.0				1												YELLOW	XI	BLACK	XI	X	X		
1-66	W13-1P (15)	48	48	7.0	7.0				1												YELLOW	XI	BLACK	XI	X	X		
	S4-3P														1	26.07												
1-67	R2-1																											
	S4-2P																											
	R48-1 (CA)																											
1-68	SW24-1(CA)	48	60	5.0	5.0				1												FLUORESCENT YELLOW-GREEN	XI	BLACK	XI	X	X		
1-69	R28A (S)																											
1-70	R28A (S)			7.0					1												WHITE	IX	RED	XI	X	X		
1-71	R9-3			7.0							1										WHITE	IX	RED/BLK	XI		X		
TOTAL									22	4	7	3	1	2	23	313	147.0	32.0	11.0	11	-	-	-	-	-	-		

**SQ-3**

DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:59:04 PM  
 USERNAME => dnucl  
 DGN FILE => 25530d003.dgn  
 REVISIONS  
 MARK  
 APPR. DATE  
 REVISIONS  
 MARK  
 APPR. DATE  
 REVISIONS  
 MARK  
 APPR. DATE

<p>Underground Service Alert</p> <p>Call: 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCHMARK</b></p> <p>S.B.CO BRASS DISK STAMPED 63-1-12          1975 ON TOP OF CURB. +/- 28"          SOUTHERLY FROM HWY 38 &amp; 0.15 MILES          EASTERLY FROM INTERSECTION HWY 38 &amp;          STANFIELD CUTOFF AS SHOWN PER SP5N          00271. NGVD-29 ELEVATION = 6789.402</p>	<p>PREPARED BY:</p> <p><b>DOKKEN ENGINEERING</b></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"> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	MARK	REVISIONS	APPR	DATE					<p>SAN BERNARDINO COUNTY          DEPARTMENT OF PUBLIC WORKS</p> <p>DESIGNED BY: <u>JO</u> DATE: 6/26/24          DRAWN BY: <u>JP</u>          CHECKED BY: <u>LK</u></p> <p>APPROVED BY: <u>Mervat Mikhail</u> DATE: 6/26/24          THOMAS BUSTAMONTE, P.E., SUPERVISING ENGINEER          MERVAT MIKHAIL, P.E., DEPUTY DIRECTOR</p>	<p><b>SIGN QUANTITIES</b>          NO SCALE</p> <p>STATE HIGHWAY 38          STANFIELD CUTOFF          ROUNDABOUT</p> <p>BIG BEAR AREA</p>	<p>ROAD NO.          W.O. NO.          H15055</p> <p>SHEET 62 OF 72</p>
					MARK	REVISIONS	APPR	DATE							
<p>Underground Service Alert</p>															

### ROADWAY QUANTITIES

LINE DESIGNATION	STATION	PRIME COAT	TACK COAT	HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGATE BASE	SHOULDER BACKING	HIGH FRICTION SURFACE TREATMENT	JOINTED PLAIN CONCRETE PAVEMENT	COLD PLANE ASPHALT CONCRETE PAVEMENT	PERMEABLE PAVERS	SAND BEDDING
		TON	TON	TON	CY	TON	SOYD	CY	SOYD	SOFT	CY
	PAVEMENT SECTION 1	9	4	927	422	9					
	PAVEMENT SECTION 2			1,207	549		2,981				
	DRIVEWAYS			73	55			91			
	TRUCK APRON				136						
	LANDSCAPING				111				3,269	10	
	CONFORM			69					566		
	DIKE			9.9							
	MINOR CONCRETE				738						
	TEMPORARY PAVEMENT			612	605						
	DRAINAGE			0.5	2						
	<b>TOTAL</b>	<b>9</b>	<b>4</b>	<b>2,899</b>	<b>2,618</b>	<b>9</b>	<b>2,981</b>	<b>91</b>	<b>566</b>	<b>3,269</b>	<b>10</b>

### MINOR CONCRETE SUMMARY

LINE DESIGNATION	STATION	MINOR CONCRETE (SIDEWALK)	MINOR CONCRETE (ISLAND PAVING)	MINOR CONCRETE (CURB RAMP)	MINOR CONCRETE (CURB) (CY)	MINOR CONCRETE (CURB AND GUTTER)	CLASS 2 AGGREGATE BASE **
		CY	CY	CY	CY	CY	CY
	ISLAND PAVING		49.0				96.2
	SIDEWALK	95.0					278.6
	CURB RAMP			42.0			125.0
	CURB				12.0		10.7
	CURB (TYPE A2-6)					73.4	120.0
	SPLITTER ISLAND CURB					53.7	76.1
	OUTSIDE TRUCK APRON CURB					12.3	17.4
	CENTER ISLAND APRON CURB					9.3	11.0
	<b>TOTAL</b>	<b>95.0</b>	<b>49.0</b>	<b>42.0</b>	<b>12.0</b>	<b>149.0</b>	<b>735.0</b>

### EARTHWORK QUANTITIES

LINE DESIGNATION	STATION	ROADWAY EXCAVATION	ROADWAY EMBANKMENT (N)	DITCH EXCAVATION
		CY	CY	CY
HW38		1,909	532	378
S		636	733	89
	<b>TOTAL</b>	<b>2,545</b>	<b>1,265</b>	<b>467</b>

### HOT MIX ASPHALT DIKE QUANTITIES

LINE DESIGNATION	STATION	PLACE HMA DIKE (TYPE C)	PLACE HMA DIKE (TYPE F)	PLACE HMA DIKE (TYPE A)	HMA (TYPE A) *
		LF	LF	LF	TON
	NORTH APPROACH			46	1.1
	SOUTH APPROACH			261	6.5
	EAST APPROACH	119.00	157.00		2.3
	<b>TOTAL</b>	<b>119</b>	<b>157</b>	<b>307</b>	<b>9.9</b>

### REMOVAL QUANTITIES

LINE DESIGNATION	STATION	REMOVE TREE (N)	REMOVE FENCE	REMOVE PLANTER WALL (PORTION)	REMOVE CONCRETE SIDEWALK (SOYD)	REMOVE CONCRETE (CURB AND GUTTER)	REMOVE ASPHALT CONCRETE DIKE	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC PAVEMENT MARKING
		EA	LF	LS	SOYD	LF	LF	LF	LF	SOFT
	SOUTH APPROACH	19			62	63	936	855	379	335
	NORTH APPROACH	2	68	1						49
	EAST APPROACH	10						390	690	35
	WEST APPROACH							737	240	42
	<b>TOTAL</b>	<b>31</b>	<b>68</b>	<b>1</b>	<b>62</b>	<b>63</b>	<b>936</b>	<b>1982</b>	<b>1309</b>	<b>461</b>

### MISCELLANEOUS QUANTITIES

STATION	DETECTABLE WARNING SURFACE	MIDWEST GUARDRAIL SYSTEM (STEEL POST)	VEGETATION CONTROL (MINOR CONCRETE)	END ANCHOR ASSEMBLY (TYPE SFT-M)	RECONSTRUCT WOOD FENCE	PLANTER WALL (ROCK FACE)	OBLITERATE SURFACING	SNOW POLE MARKER	CHAIN LINK FENCE (TYPE CL-8)
	SOFT	LF	SOYD	EA	LF	LF	SOYD	EA	LF
SOUTH APPROACH	183				265		1125	7	330
WEST APPROACH	120						1238	4	
EAST APPROACH	120	205	85	2			1218	5	
NORTH APPROACH	32					6	426	3	
<b>TOTAL</b>	<b>455</b>	<b>205</b>	<b>85</b>	<b>2</b>	<b>265</b>	<b>6</b>	<b>4,007</b>	<b>19</b>	<b>330</b>

\* - QUANTITIES FOR HOT MIX ASPHALT (TYPE A) ARE INCLUDED IN ROADWAY QUANTITY TABLE ON Q-1 SHEET.

\*\* - QUANTITIES FOR CLASS 2 AGGREGATE BASE ARE INCLUDED IN ROADWAY QUANTITY TABLE ON Q-1 SHEET.

(N) - NO PAY ITEM

**Q-1**

Underground Service Alert



**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:



MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY  
DEPARTMENT OF PUBLIC WORKS

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

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

**SUMMARY OF QUANTITIES**  
NO SCALE

STATE HIGHWAY 38  
STANFIELD CUTOFF  
ROUNDABOUT

BIG BEAR AREA

ROAD NO.  
W.O. NO.  
H15055

SHEET 63 OF 72

REVISION 01/12/2023

DATE PLOTTED => 6/21/2024  
TIME PLOTTED => 2:59:05 PM




USERNAME => dnucl  
DGN FILE => 2553p0001.dgn

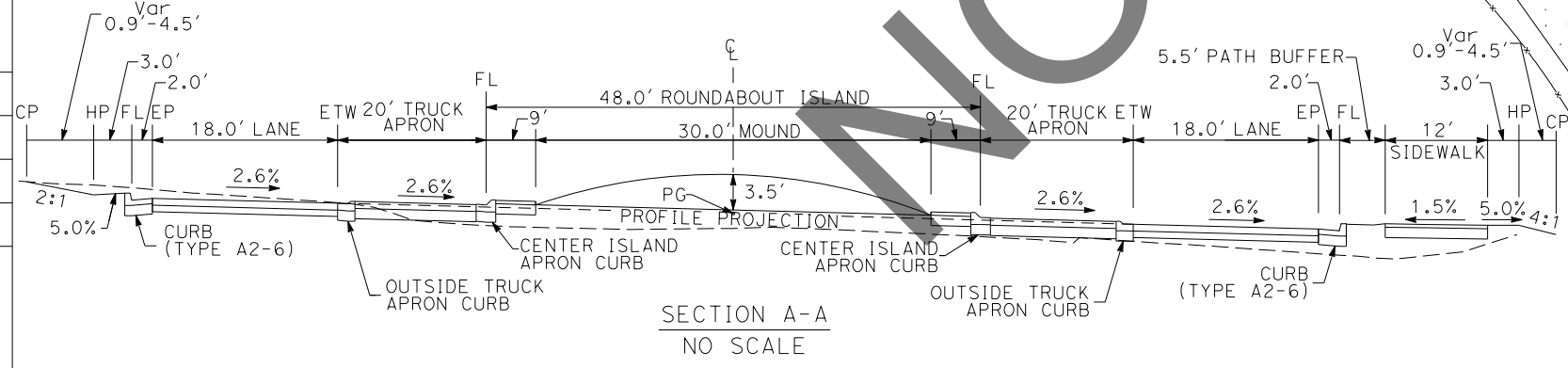
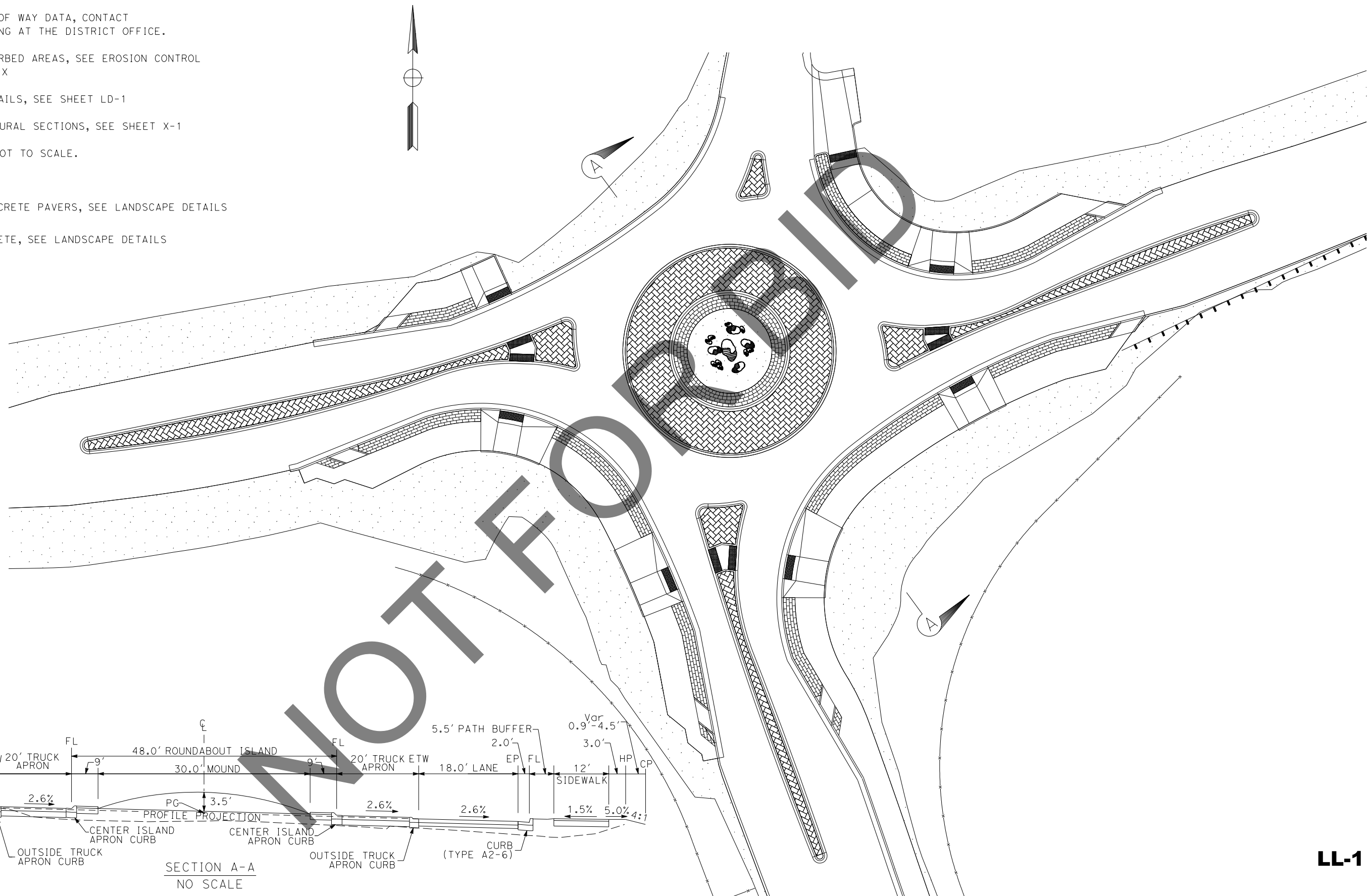


**NOTES:**

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR ALL OTHER DISTURBED AREAS, SEE EROSION CONTROL SHEET FOR HYDROSEED MIX
3. FOR LANDSCAPING DETAILS, SEE SHEET LD-1
4. FOR PAVEMENT STRUCTURAL SECTIONS, SEE SHEET X-1
5. PATTERN SHOWN ARE NOT TO SCALE.

**LEGEND:**

-  PERMEABLE CONCRETE PAVERS, SEE LANDSCAPE DETAILS
-  STAMPED CONCRETE, SEE LANDSCAPE DETAILS
-  HYDROSEED




REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

DATE PLOTTED => 6/21/2024  
TIME PLOTTED => 2:59:06 PM  
USERNAME => dnucl  
DGN FILE => 25535j001.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

06/12/24  
DATE  
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

DESIGNED BY: RS DATE: 6/26/24  
DRAWN BY: JP DATE: 6/26/24  
CHECKED BY: LK DATE: 6/26/24  
APPROVED BY: *Mervat Mirhail* 6/26/24  
DATE: 6/26/24  
DEPUTY DIRECTOR

**LANDSCAPE LAYOUT**  
SCALE: 1"=20'

STATE HIGHWAY 38  
STANFIELD CUTOFF  
ROUNDBOUT

BIG BEAR AREA

ROAD NO.  
W.O. NO.  
H15055

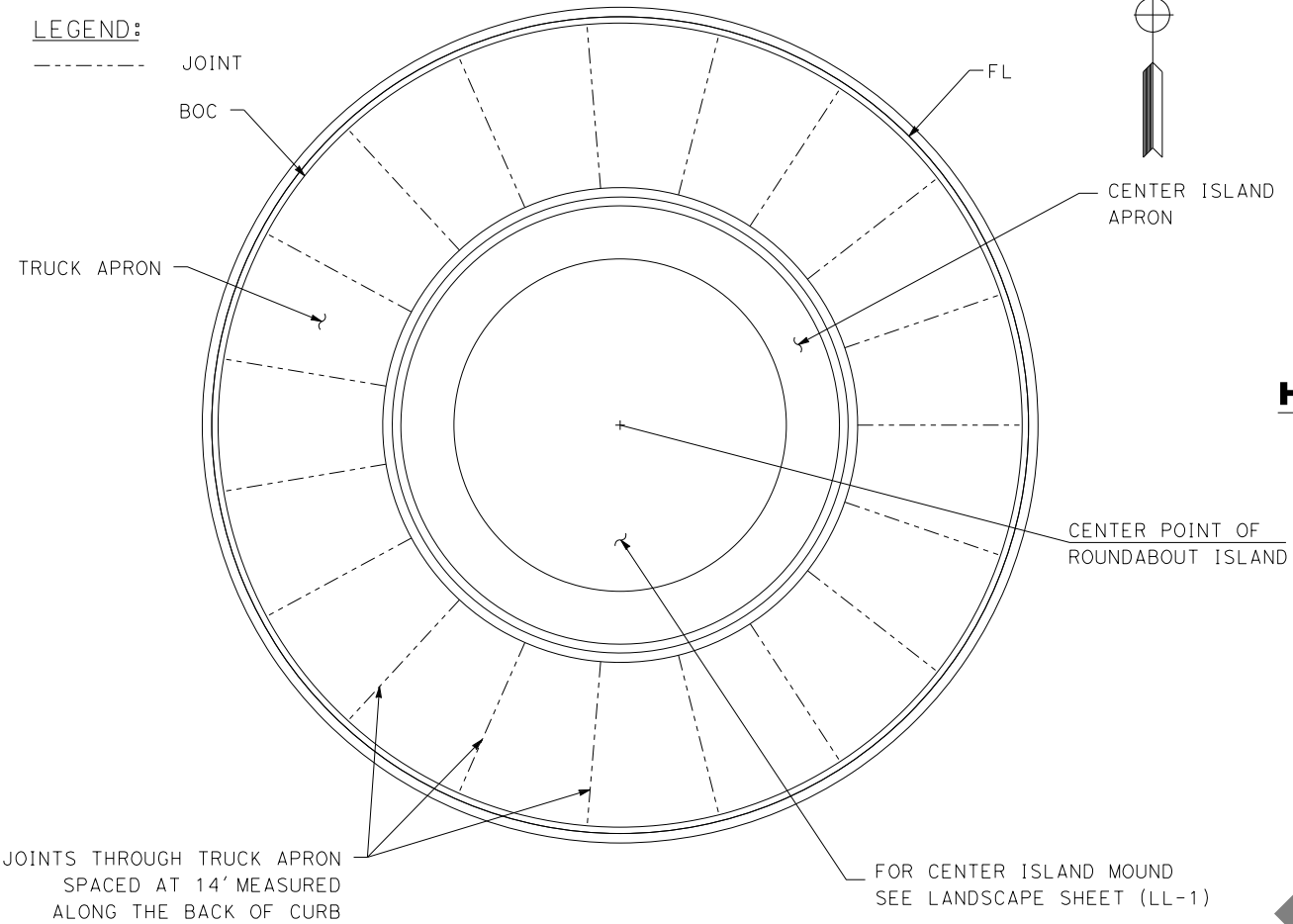
SHEET 64 OF 72

**LL-1**

**NOTES:**  
 1. FOR PAVEMENT STRUCTURAL SECTION, SEE SHEET X-1.

**LEGEND:**

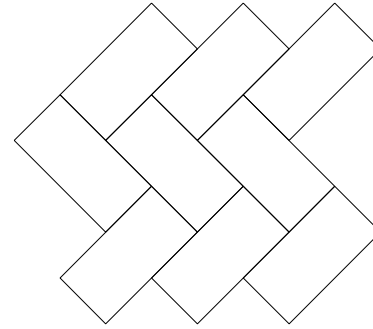
----- JOINT  
 --- BOC



**ROUNDABOUT ISLAND DETAIL**  
 SCALE: 1"=10'

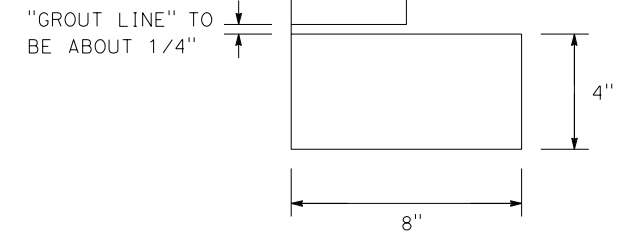
JOINTS THROUGH TRUCK APRON  
 SPACED AT 14' MEASURED  
 ALONG THE BACK OF CURB

FOR CENTER ISLAND MOUND  
 SEE LANDSCAPE SHEET (LL-1)

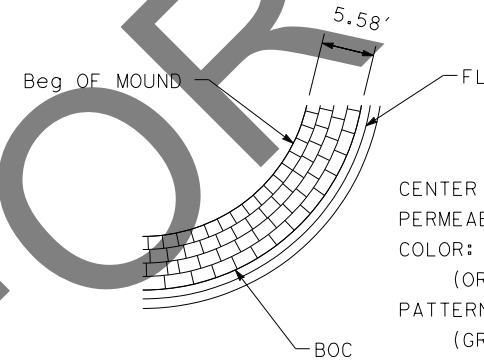


**HERRINGBONE STAMP PATTERN**  
 NO SCALE

TRUCK APRON  
 JOINTED PLAIN CONCRETE PAVEMENT (JPCP)  
 COLOR: FEDERAL STANDARD 30215 BROWN  
 (OR SIMILAR AS APPROVED BY ENGINEER)  
 STAMP PATTERN: HERRINGBONE

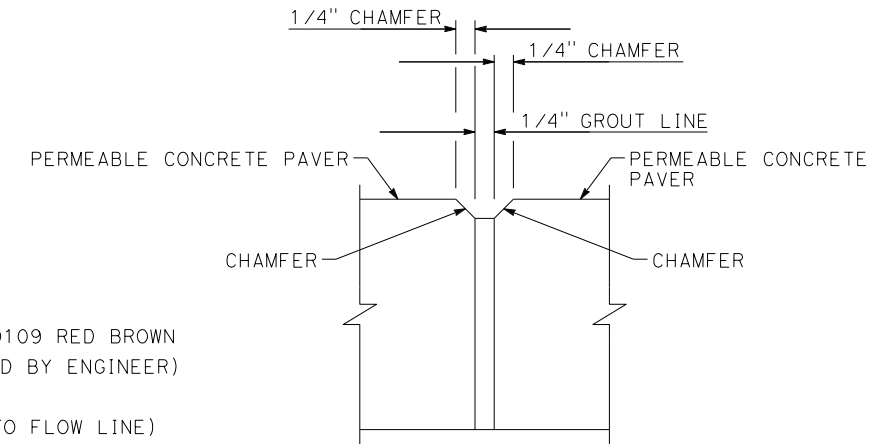


**HERRINGBONE STAMP BRICK DIMENSIONS**  
 NO SCALE

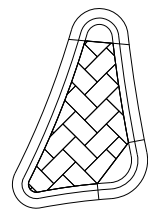


**CENTER ISLAND APRON DETAIL**  
 NO SCALE

CENTER ISLAND APRON  
 PERMEABLE PAVERS  
 COLOR: FEDERAL STANDARD 20109 RED BROWN  
 (OR SIMILAR AS APPROVED BY ENGINEER)  
 PATTERN: RUNNING BRICK  
 (GROUT LINE PARALLEL TO FLOW LINE)

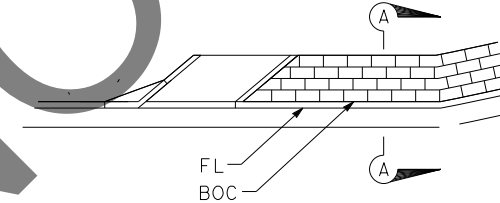


**DETAIL "A"**  
 NO SCALE



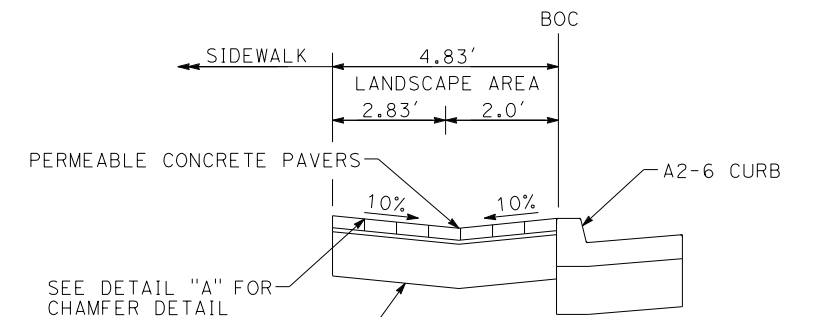
SPLITTER ISLANDS  
 MINOR CONCRETE (ISLAND PAVING)  
 COLOR: FEDERAL STANDARD 20109 RED BROWN  
 (OR SIMILAR AS APPROVED BY ENGINEER)  
 STAMP PATTERN: HERRINGBONE

**SPLITTER ISLANDS DETAIL**  
 SCALE: 1"=10'



**LANDSCAPING DETAIL**  
 SCALE: 1"=10'

LANDSCAPING  
 PERMEABLE CONCRETE PAVERS  
 COLOR: FEDERAL STANDARD 20109 RED BROWN  
 (OR SIMILAR AS APPROVED BY ENGINEER)  
 PATTERN: RUNNING BRICK  
 (GROUT LINE PARALLEL TO FLOW LINE)



**SECTION A-A**  
 NO SCALE

SEE DETAIL "A" FOR  
 CHAMFER DETAIL

FOR PAVEMENT SECTION  
 DETAILS, SEE SHEET X-1

**LD-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  
 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

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

ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 65 OF 72

DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:59:08 PM  
 USERNAME => dnucl  
 DGN FILE => 25538k001.dgn

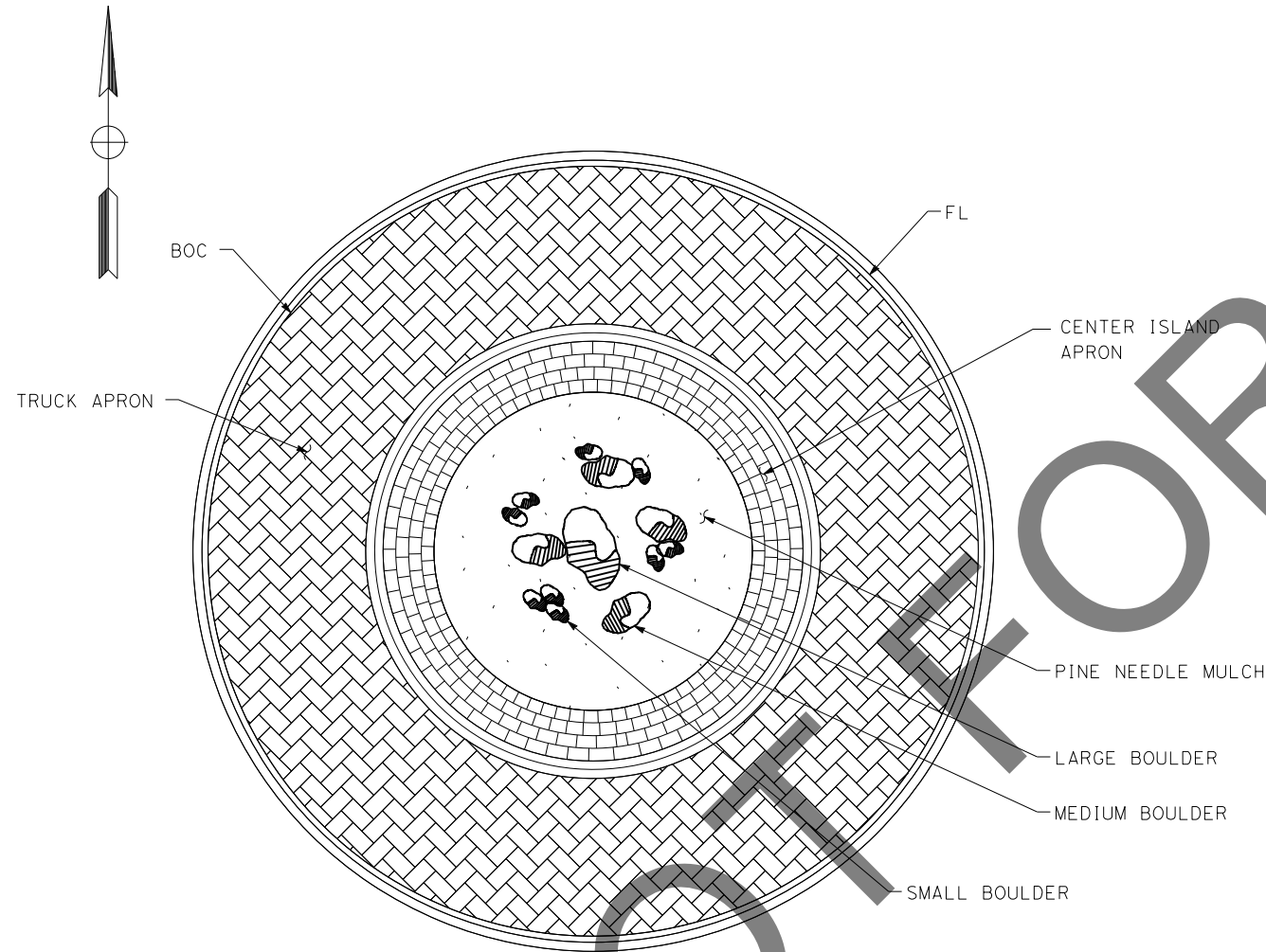
**NOTES:**

1. CONTRACTOR MAY USE MOJAVE BOULDERS THAT ARE WITHIN THE RIGHT OF WAY.
2. PINE NEEDLE MULCH ACCOUNTED FOR ON SHEET EC-1.

**PINE NEEDLE MULCH**

LOCATION	QUANTITY
	CY
CENTER ISLAND	4.5
TOTAL	4.5*

\*, SEE NOTE 2

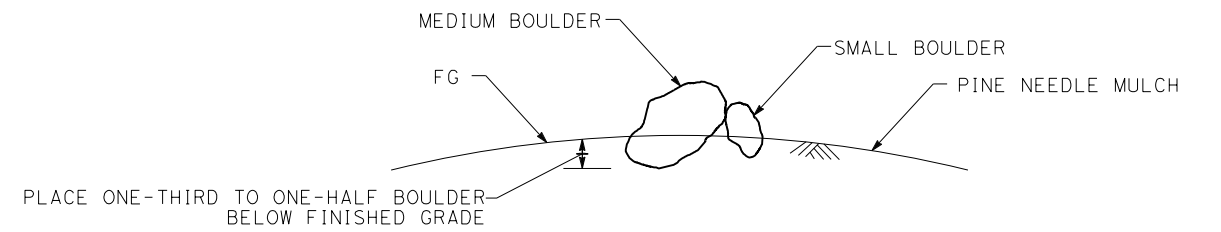


**CENTER MOUND DETAIL**

SCALE: 1"=10'

**BOULDER INFORMATION**

TYPE	SIZE	QUANTITY
	Dia	EA
LARGE	8.0'-9.0'	1
MEDIUM	5.0'-6.0'	4
SMALL	2.0'-3.0'	9
TOTAL		14



**BOULDER PLACEMENT**

NO SCALE

**LD-2**

REVISION 01/12/2023  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:59:09 PM  
 USERNAME => dnucl  
 DGN FILE => 25538k002.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: RS DATE: 6/26/24  
 DRAWN BY: JP  
 CHECKED BY: LK

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

Thomas Bustamonte, P.E., SUPERVISING ENGINEER

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

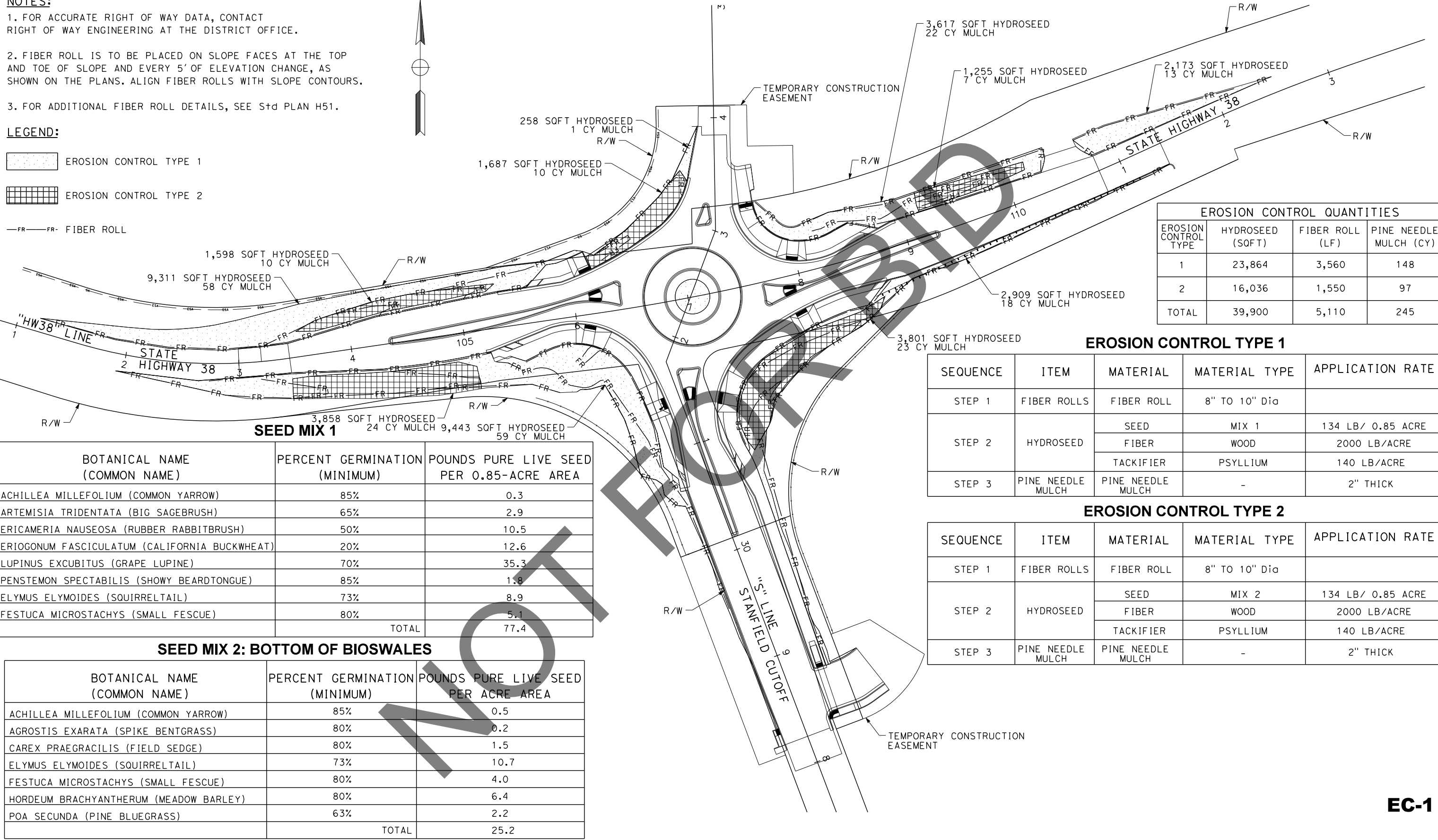
ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 66 OF 72

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FIBER ROLL IS TO BE PLACED ON SLOPE FACES AT THE TOP AND TOE OF SLOPE AND EVERY 5' OF ELEVATION CHANGE, AS SHOWN ON THE PLANS. ALIGN FIBER ROLLS WITH SLOPE CONTOURS.
- FOR ADDITIONAL FIBER ROLL DETAILS, SEE S+D PLAN H51.

**LEGEND:**

- EROSION CONTROL TYPE 1
- EROSION CONTROL TYPE 2
- FR - FIBER ROLL



EROSION CONTROL QUANTITIES			
EROSION CONTROL TYPE	HYDROSEED (SOFT)	FIBER ROLL (LF)	PINE NEEDLE MULCH (CY)
1	23,864	3,560	148
2	16,036	1,550	97
TOTAL	39,900	5,110	245

**EROSION CONTROL TYPE 1**

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	FIBER ROLLS	FIBER ROLL	8" TO 10" Dia	
STEP 2	HYDROSEED	SEED	MIX 1	134 LB/ 0.85 ACRE
		FIBER	WOOD	2000 LB/ACRE
		TACKIFIER	PSYLLIUM	140 LB/ACRE
STEP 3	PINE NEEDLE MULCH	PINE NEEDLE MULCH	-	2" THICK

**EROSION CONTROL TYPE 2**

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	FIBER ROLLS	FIBER ROLL	8" TO 10" Dia	
STEP 2	HYDROSEED	SEED	MIX 2	134 LB/ 0.85 ACRE
		FIBER	WOOD	2000 LB/ACRE
		TACKIFIER	PSYLLIUM	140 LB/ACRE
STEP 3	PINE NEEDLE MULCH	PINE NEEDLE MULCH	-	2" THICK

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER 0.85-ACRE AREA
ACHILLEA MILLEFOLIUM (COMMON YARROW)	85%	0.3
ARTEMISIA TRIDENTATA (BIG SAGEBRUSH)	65%	2.9
ERICAMERIA NAUSEOSA (RUBBER RABBITBRUSH)	50%	10.5
ERIOGONUM FASCICULATUM (CALIFORNIA BUCKWHEAT)	20%	12.6
LUPINUS EXCUBITUS (GRAPE LUPINE)	70%	35.3
PENSTEMON SPECTABILIS (SHOWY BEARDTONGUE)	85%	1.8
ELYMUS ELYMOIDES (SQUIRRELTAIL)	73%	8.9
FESTUCA MICROSTACHYS (SMALL FESCUE)	80%	5.1
<b>TOTAL</b>		<b>77.4</b>

**SEED MIX 2: BOTTOM OF BIOSWALES**

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE AREA
ACHILLEA MILLEFOLIUM (COMMON YARROW)	85%	0.5
AGROSTIS EXARATA (SPIKE BENTGRASS)	80%	0.2
CAREX PRAEGRACILIS (FIELD SEDGE)	80%	1.5
ELYMUS ELYMOIDES (SQUIRRELTAIL)	73%	10.7
FESTUCA MICROSTACHYS (SMALL FESCUE)	80%	4.0
HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	80%	6.4
POA SECUNDA (PINE BLUEGRASS)	63%	2.2
<b>TOTAL</b>		<b>25.2</b>

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: CHRIS NGUYEN, P.E. / TRANSPORTATION DESIGN ENGINEERING MANAGER  
 DATE: 6/26/24  
 DRAWN BY: RS  
 CHECKED BY: JP / LK  
 APPROVED BY: Thomas Bustamonte, P.E. / SUPERVISING ENGINEER  
 DATE: 6/26/24  
 Mervat Mikhail, P.E. / DEPUTY DIRECTOR  
 DATE: 6/26/2024

**EROSION CONTROL PLAN**  
 SCALE: 1"=40'  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA  
 ROAD NO. \_\_\_\_\_  
 W.O. NO. H15055  
 SHEET 67 OF 72

**EC-1**

DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:59:10 PM  
 USERNAME => dnucl1  
 DGN FILE => 25537e001.dgn

**NOTES:**

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

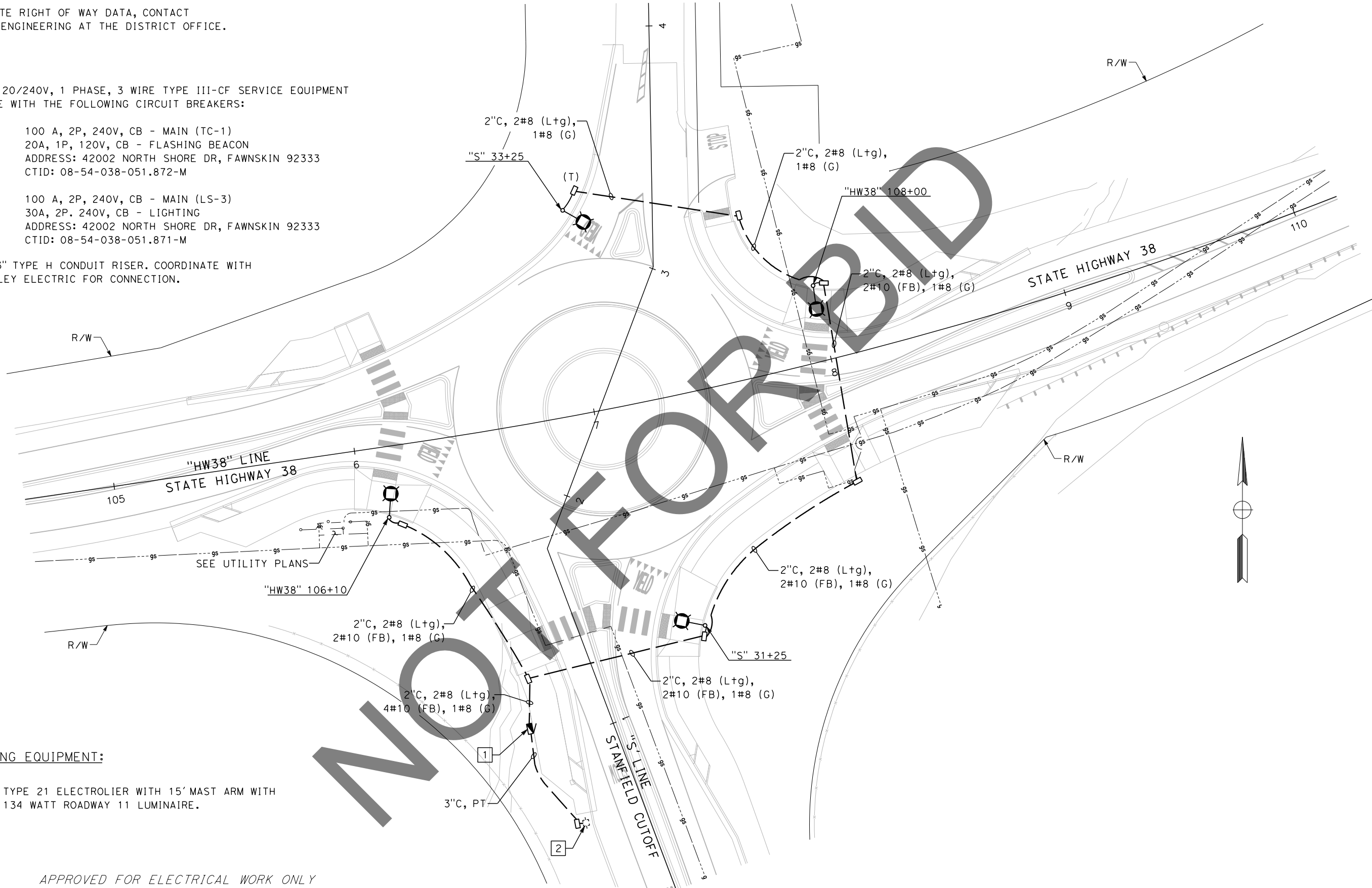
**LEGEND:**

1 INSTALL 120/240V, 1 PHASE, 3 WIRE TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH THE FOLLOWING CIRCUIT BREAKERS:

METER A: 100 A, 2P, 240V, CB - MAIN (TC-1)  
20A, 1P, 120V, CB - FLASHING BEACON  
ADDRESS: 42002 NORTH SHORE DR, FAWNSKIN 92333  
CTID: 08-54-038-051.872-M

METER B: 100 A, 2P, 240V, CB - MAIN (LS-3)  
30A, 2P, 240V, CB - LIGHTING  
ADDRESS: 42002 NORTH SHORE DR, FAWNSKIN 92333  
CTID: 08-54-038-051.871-M

2 INSTALL 3" TYPE H CONDUIT RISER. COORDINATE WITH BEAR VALLEY ELECTRIC FOR CONNECTION.



**LIGHTING EQUIPMENT:**

○ TYPE 21 ELECTROLIER WITH 15' MAST ARM WITH 134 WATT ROADWAY 11 LUMINAIRE.

APPROVED FOR ELECTRICAL WORK ONLY

E-1

REVISION 01/12/2023  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:59:11 PM  
 USERNAME => dnucl  
 DGN FILE => 2553ud001.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  
 JOSE OSTDIEK, ELECTRICAL DESIGN  
 06/12/24 DATE

JOSE OSTDIEK  
 No. 65334  
 CIVIL  
 STATE OF CALIFORNIA

MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY  
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: JK DATE: 6/26/24  
 DRAWN BY: JK  
 CHECKED BY: JO  
 APPROVED BY: Mervat Mirhail DATE: 6/26/2024  
 Thomas Bustamonte, P.E., SUPERVISING ENGINEER  
 Mervat Mirhail, P.E., DEPUTY DIRECTOR

**LIGHTING SYSTEM**  
 SCALE: 1"=20'  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA

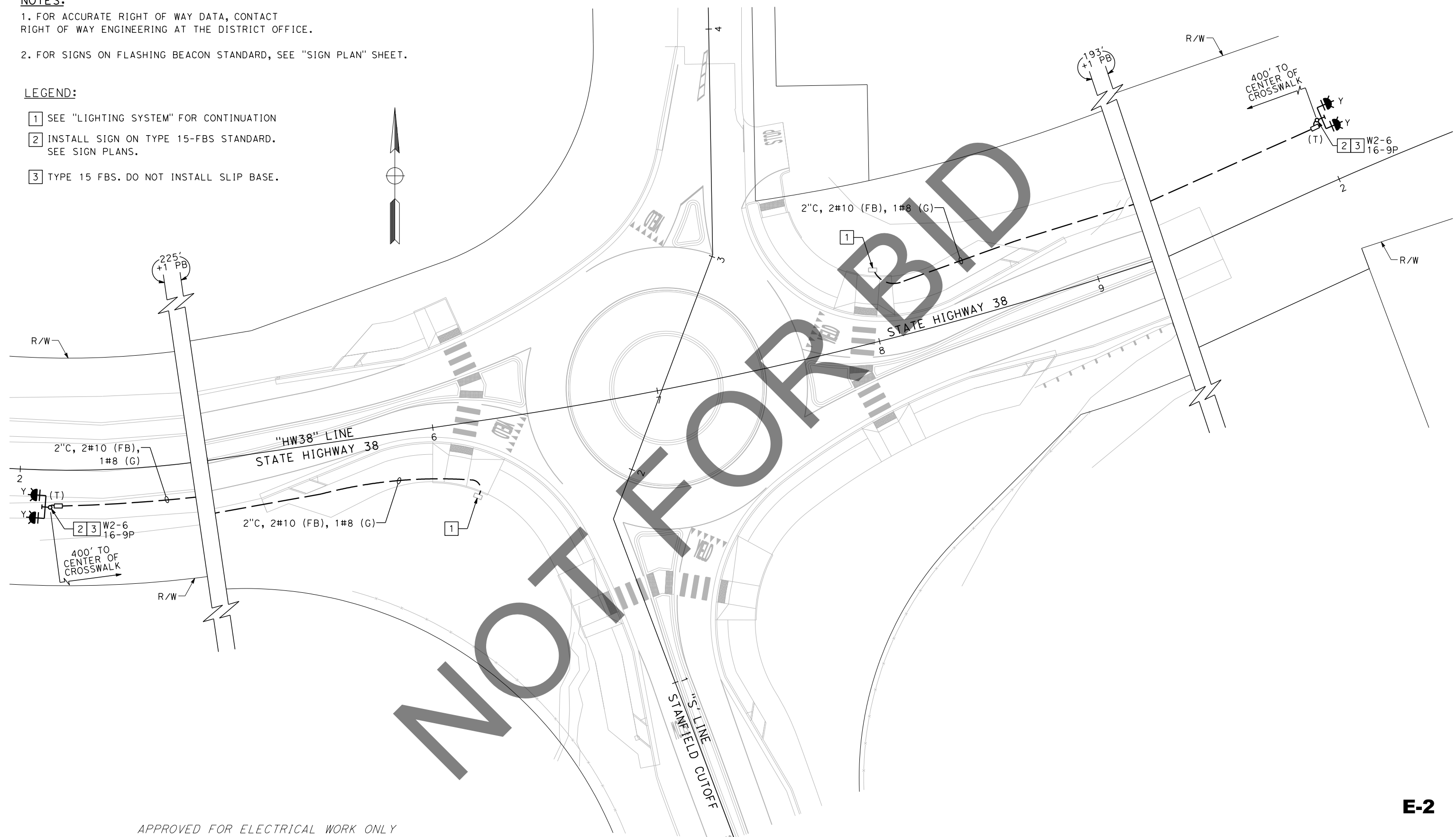
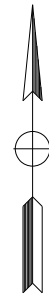
ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 68 OF 72

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR SIGNS ON FLASHING BEACON STANDARD, SEE "SIGN PLAN" SHEET.

**LEGEND:**

- SEE "LIGHTING SYSTEM" FOR CONTINUATION
- INSTALL SIGN ON TYPE 15-FBS STANDARD. SEE SIGN PLANS.
- TYPE 15 FBS. DO NOT INSTALL SLIP BASE.



NOT FOR BID

APPROVED FOR ELECTRICAL WORK ONLY

E-2

USERNAME => dnucl  
 DGN FILE => 2553ud002.dgn  
 DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:59:13 PM  
 REVISIONS  
 MARK  
 APPR. DATE  
 REVISIONS  
 MARK  
 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  
 JOSE OSTDIEK, ELECTRICAL DESIGN  
 06/12/24 DATE

MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY  
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: *JK* DATE: 6/26/24  
 DRAWN BY: *JK*  
 CHECKED BY: *JO*

APPROVED BY: *Mervat Mirhail* DATE: 6/26/24  
 Thomas Bustamonte, P.E., SUPERVISING ENGINEER  
 Mervat Mirhail, P.E., DEPUTY DIRECTOR

**FLASHING BEACON SYSTEM**  
 SCALE: 1"=20'  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA

ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 69 OF 72




**NOTES:**

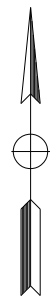
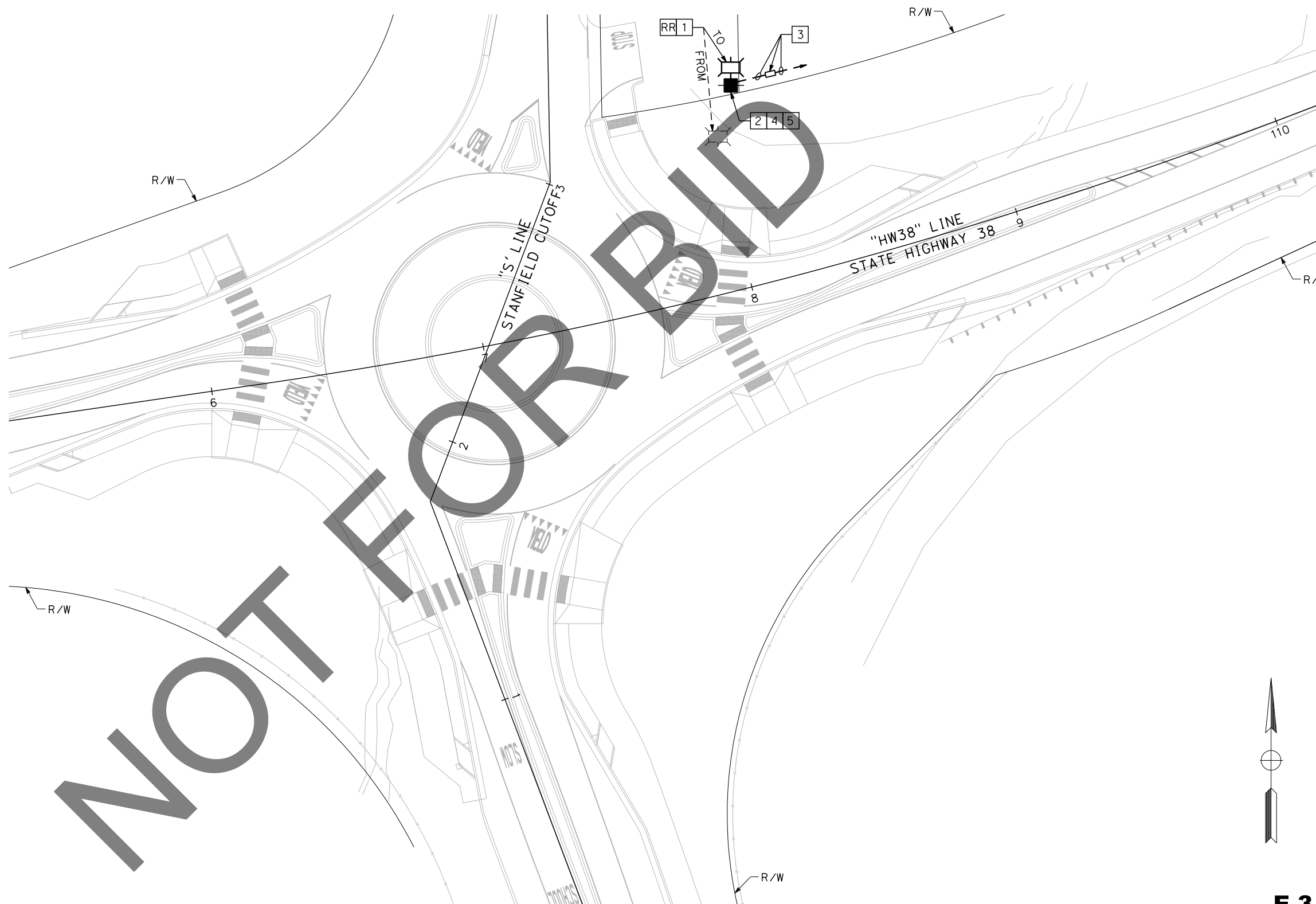
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

**LEGEND:**

- 1 REMOVE EXISTING FLOOD LIGHT ATTACHED TO TREE TO BE REMOVED. REMOVE EXISTING CONDUIT ATTACHED TO TREE.
- 2 INSTALL NEW 25' WOOD POLE (6' EMBEDMENT). MOUNT EXISTING FLOOD LIGHT TO NEW WOOD POLE NEAR TOP OR AS DIRECTED BY THE ENGINEER.
- 3 INTERCEPT EXISTING LIGHTING CONDUIT AND CONDUCTORS. PLACE PULL BOX (CALTRANS #3) AND SPLICE NEW CONDUCTOR TO EXISTING CONDUCTORS. NEW CONDUIT TO BE 1" GR.
- 4 MOUNT CONDUIT TO NEW WOOD POLE AT LEAST 10' ABOVE EXISTING GRADE.
- 5 GROUND SYSTEM PER THE CALIFORNIA ELECTRIC CODE.

**LIGHTING EQUIPMENT:**

-  RELOCATED PARKING LOT LIGHT
-  EXISTING PARKING LOT LIGHT
-  NEW 25' WOOD POLE



**E-3**

APPROVED FOR ELECTRICAL WORK ONLY


DATE PLOTTED => 6/21/2024  
 TIME PLOTTED => 2:59:14 PM  
 USERNAME => dnucl  
 DGN FILE => 2553ud003.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

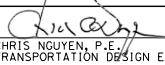
**PREPARED BY:**  
  
 110 BLUE RAVINE ROAD SUITE 200, FOLSOM CA, 916-858-0642  
 JOSE OSTDIEK, ELECTRICAL DESIGN      06/12/24      DATE




MARK	REVISIONS	APPR.	DATE

SAN BERNARDINO COUNTY  
 DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: JK      DATE: 6/26/24  
 DRAWN BY: JK  
 CHECKED BY: JO

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

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

**MODIFYING PARKING LOT LIGHTING (PRIVATE)**  
 SCALE: 1"=20'  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA

ROAD NO.  
 W.O. NO.  
 H15055  
 SHEET 70 OF 72

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR SIGN DETAILS, SEE "SIGN PLAN" SHEET.

**LEGEND:**

- RELOCATE EXISTING TYPE III SERVICE ENCLOSURE.
- INSTALL SIGN ON SIGNAL STANDARD.
- EXISTING BEAR VALLEY POLE (FB SERVICE POINT).
- 3"C, REROUTE EXISTING SERVICE CONDUCTORS FROM EXISTING SERVICE POINT TO RELOCATED TYPE III SERVICE EQUIPMENT ENCLOSURE.
- FURNISH AND INSTALL RRFB CONTROLLER NEMA AND 3R ENCLOSURE PER MANUFACTURER REQUIREMENTS.
- RRFB ASSEMBLY PER DETAIL "A" THIS SHEET.
- RRFB ASSEMBLY PER DETAIL "B" THIS SHEET.
- INSTALL TYPE 1 FLASHING BEACON PER STD PLAN ES-7J, DETAIL D.

**RRFB EQUIPMENT:**

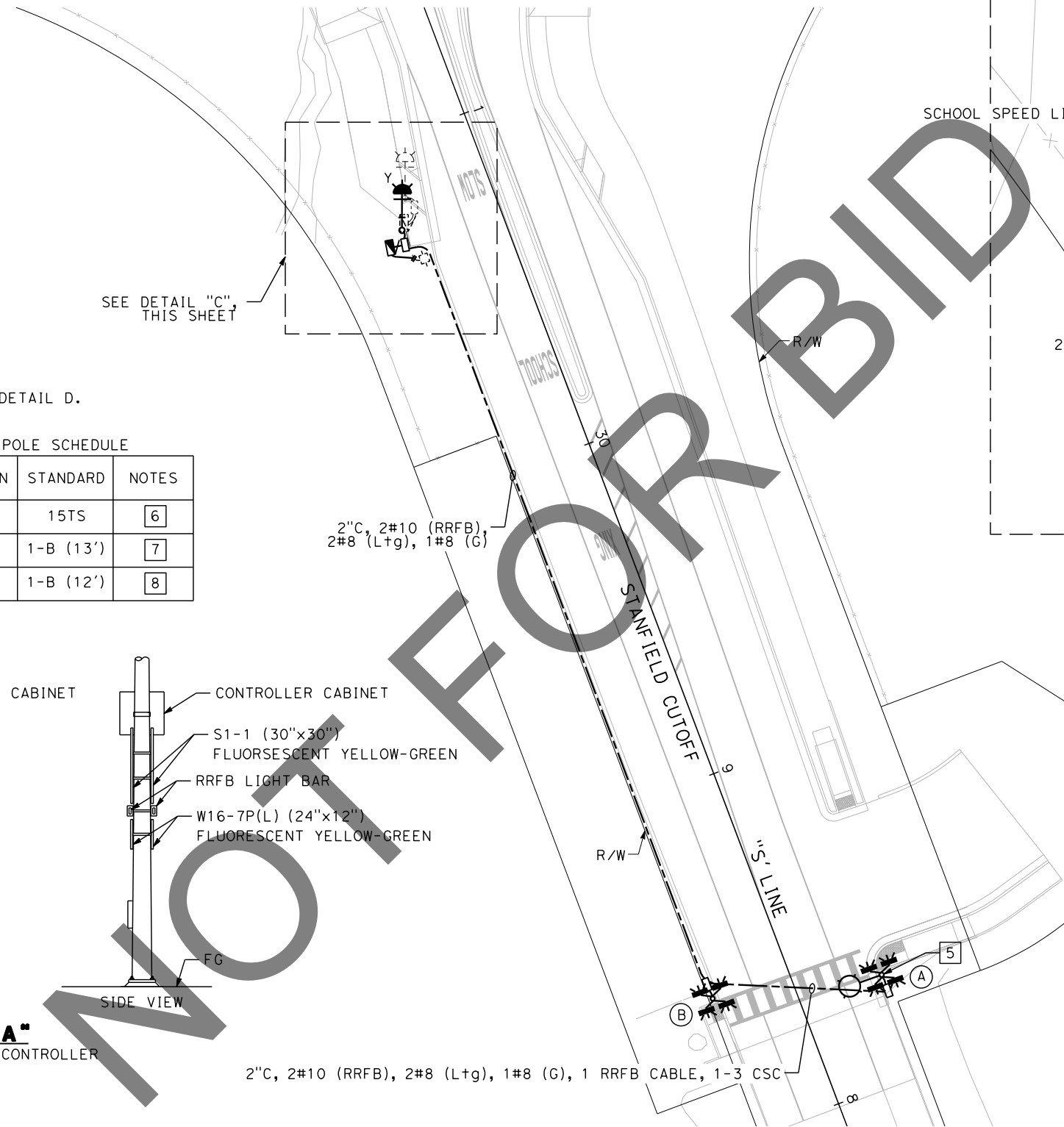
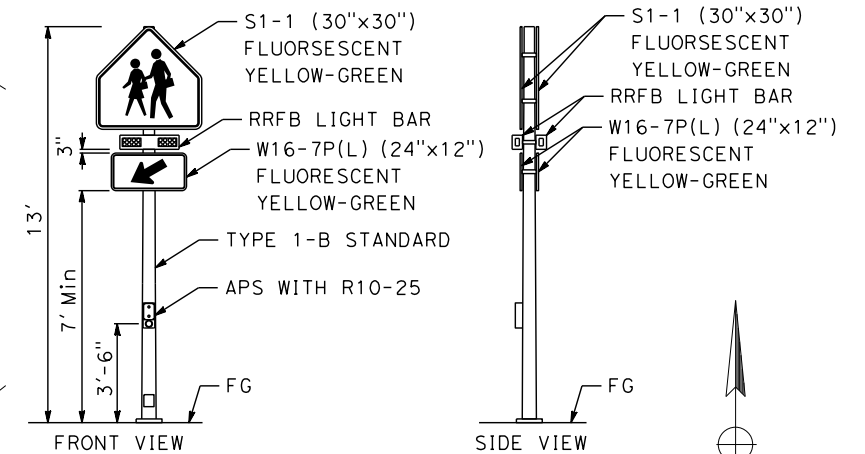
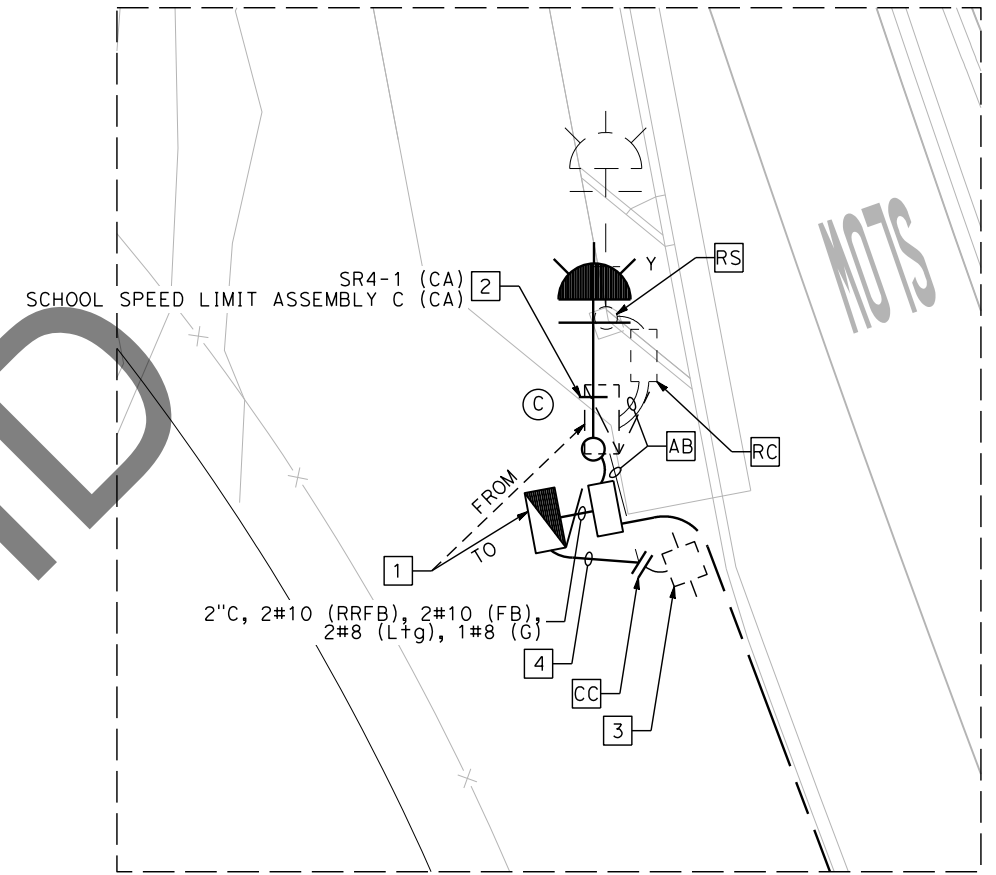
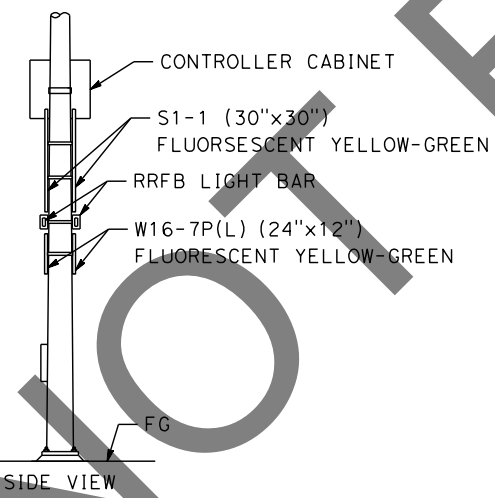
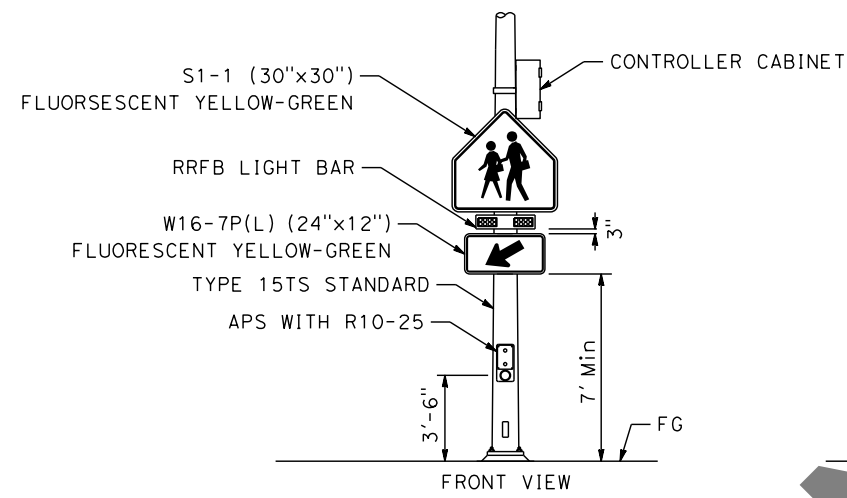
- RRFB LIGHT BAR

**ABBREVIATION:**

RRFB RECTANGULAR RAPID FLASHING BEACON

**POLE SCHEDULE**

LOCATION	STANDARD	NOTES
(A)	15TS	6
(B)	1-B (13')	7
(C)	1-B (12')	8



APPROVED FOR ELECTRICAL WORK ONLY

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  
JOSE OSTDIEK, ELECTRICAL DESIGN  
06/12/24 DATE



MARK	REVISIONS	APPR	DATE

SAN BERNARDINO COUNTY  
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: JK  
DATE: 6/26/24

DRAWN BY: JK  
CHECKED BY: JO

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

**RECTANGULAR RAPID FLASHING BEACON SYSTEM (COUNTY)**  
SCALE: 1"=20'  
STATE HIGHWAY 38  
STANFIELD CUTOFF  
ROUNDABOUT  
BIG BEAR AREA

ROAD NO.  
W.O. NO.  
H15055  
SHEET 71 OF 72

REVISION 01/12/2023

APPR.	DATE

MARK	REVISIONS

DATE PLOTTED => 6/21/2024  
TIME PLOTTED => 2:59:15 PM  
USERNAME => dnucl  
DGN FILE => 2553ud004.dgn



**NOTES:**

ELECTRICAL SYSTEM QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS. SEE ELECTRICAL SYSTEMS PLANS AND SPECIFICATIONS TO DETERMINE ALL MATERIALS NEEDED FOR EACH SYSTEM.

**LIGHTING SYSTEM**

SHEET No.	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)
	TYPE III-CF SERVICE EQUIPMENT ENCLOSURE	TYPE 21 ELECTROLIER	No. 8 CONDUCTOR	No. 10 CONDUCTOR	2" C TYPE 3	3" C TYPE 3	PT	No. 5 PB	No. 5(T) PB	3" TYPE H RISER
E-1	1	4	1,425	680	475	60	60	7	1	1
<b>TOTAL</b>	<b>1</b>	<b>4</b>	<b>1,425</b>	<b>680</b>	<b>475</b>	<b>60</b>	<b>60</b>	<b>7</b>	<b>1</b>	<b>1</b>

(N) - NOT A SEPARATE BID ITEM

**MODIFYING PARKING LOT LIGHTING (PRIVATE)**

SHEET No.	(N)	(N)	(N)	(N)
	25' WOOD POLE	No. 3 PB	1" C TYPE GRS	RELOCATE LIGHT
E-3	1	1	30	1
<b>TOTAL</b>	<b>1</b>	<b>1</b>	<b>30</b>	<b>1</b>

(N) - NOT A SEPARATE BID ITEM

**FLASHING BEACON SYSTEM**

SHEET No.	(N)	(N)	(N)	(N)	(N)	(N)
	TYPE 15-FBS	FLASHING BEACON	No. 8 CONDUCTOR	No. 10 CONDUCTOR	2" C TYPE 3	No. 5(T) PB
E-2	2	2	800	1,600	800	2
<b>TOTAL</b>	<b>2</b>	<b>2</b>	<b>800</b>	<b>1,600</b>	<b>800</b>	<b>2</b>

(N) - NOT A SEPARATE BID ITEM

**RECTANGULAR RAPID FLASHING BEACON SYSTEM (COUNTY)**

SHEET No.	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)
	TYPE 15TS STANDARD WITH RRFB AND Ltg EQUIPMENT	TYPE 1-B STANDARD WITH RRFB EQUIPMENT	RELOCATED TYPE III SERVICE ENCLOSURE	TYPE 1-B STANDARD WITH FLASHING BEACON	No. 5 PB	1 RRFB CABLE	3 CSC	No. 8 CONDUCTOR	No. 10 CONDUCTOR	2" C TYPE 3	3" C TYPE 3	
E-4	1	1	1	1	3	55	55	855	570	285	10	
<b>TOTAL</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>55</b>	<b>55</b>	<b>855</b>	<b>570</b>	<b>285</b>	<b>10</b>	

(N) - NOT A SEPARATE BID ITEM

REVISION 01/12/2023

MARK	REVISIONS	APPR.	DATE

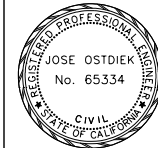
DATE PLOTTED => 6/21/2024  
TIME PLOTTED => 2:59:16 PM  
USERNAME => dnucl  
DGN FILE => 2553uc001.dgn

**EQ-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  
 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  
 JOSE OSTDIEK, ELECTRICAL DESIGN  
 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  
 CHECKED BY: *JK* JK JO  
 APPROVED BY: *Thomas Bustamonte* 6/26/24 DATE  
 SUPERVISING ENGINEER  
 DEPUTY DIRECTOR

**ELECTRICAL SYSTEMS QUANTITIES**  
 SCALE: 1"=20'  
 STATE HIGHWAY 38  
 STANFIELD CUTOFF  
 ROUNDABOUT  
 BIG BEAR AREA

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