

# GENERAL NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR PERMITEE TO CONTACT "UNDERGROUND SERVICE ALERT (USA)" TOLL FREE AT 1-800-227-2600 FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION, FOR LOCATION OF POWER, TELEPHONE, OIL AND NATURAL GAS UNDERGROUND FACILITIES. CONTRACTOR OR PERMITEE SHALL ALSO CONTACT THE APPROPRIATE AGENCY FOR THE LOCATION OF CABLE, TV, WATER, SEWER, DRAINAGE OR UNDERGROUND FACILITIES.
- THE CONTRACTOR SHALL POSSESS A CLASS "A" LICENSE AT THE TIME OF BID OPENING.
- MULTIPLE CONTOUR INTERVALS ARE SHOWN HEREON BASED ON THE QUANTITY AND QUALITY OF DATA COMPILED FROM GROUND SURVEY AND PHOTOGRAMMETRIC SOURCES. THIS IS DUE TO AREAS BEING OBSTRUCTED FROM THE AIR BY TREE CANOPIES OR A LACK OF GROUND SURVEY DENSIFICATION TO DATE. THE REGIONS THAT ARE NOT 1' FOOT CONTOUR INTERVALS ARE DELINEATED BY A BOUNDARY AROUND THE PERIMETER OF THE REGION AND A NUMBER INDICATING THE CONTOUR INTERVAL SHOWN WITHIN THAT REGION.

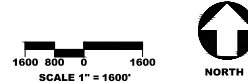
# ENGINEERS & CONSULTANTS

CIVIL ENGINEER  
 WALLACE GROUP  
 612 CLARION CT  
 SAN LUIS OBISPO, CA 93401  
 CONTACT: VALERIE HUFF  
 PH: 805-544-0111 x182  
 EMAIL: VALERIEH@WALLACEGROUP.US

GEO TECHNICAL ENGINEER  
 YEI AND ASSOCIATES, INC.  
 391 FRONT STREET, SUITE D  
 GROVER BEACH, CA 93433  
 CONTACT: JUDY KING  
 PH: 805-481-9590  
 EMAIL: JKING@YEI-ENG.COM

STRUCTURAL ENGINEER  
 CONSOR NORTH AMERICA  
 10117 COBBLE ROCK DR, SUITE 100  
 RANCHO CORDOVA, CA 95670  
 CONTACT: SCOTT MCCAULEY  
 PH: 530-400-2846  
 EMAIL: SCOTT.MCCAULEY@CONSORENG.COM

ARCHITECT  
 HUNTER SMITH ARCHITECTURE  
 880 WALNUT ST, SUITE B  
 SAN LUIS OBISPO, CA 93401  
 CONTACT: DANA HUNTER  
 PH: 805-544-3380  
 EMAIL: DANA@HUNTERSMITHARCHITECTURE.COM



Sheet Number	Sheet Title
C-1	TITLE
C-2	SITE PLAN
C-3	ORDER OF WORK
C-4	ORDER OF WORK
C-5	PROJECT CONTROL STA 10+00.00 TO 20+00.00
C-6	PROJECT CONTROL STA 20+00.00 TO 30+00.00
C-7	PROJECT CONTROL STA 30+00.00 TO 36+50.00
C-8	PROJECT CONTROL STA 36+50.00 TO 40+00.00
C-9	PROJECT CONTROL STA 42+00.00 TO 46+15.18
C-10	SOUTH STREET BYPASS PLAN & PROFILE
C-11	SOUTH STREET BYPASS CONNECTIONS
C-12	BIANCHI LANE BYPASS PLAN & PROFILE
C-13	BIANCHI LANE BYPASS CONNECTIONS
C-14	BIANCHI LANE TO MARSH ST GRADING PLAN
C-15	MATHIEWS OPEN SPACE GRADING
C-16	GRADING DETAILS
C-17	SOUTH STREET BYPASS RSP
C-18	BIANCHI LANE BYPASS RSP
C-19	BENCH 4 RSP
C-20	RSP DETAILS
C-21	BIANCHI LANE DEMOLITION PLAN
C-22	BIANCHI LANE PLAN & PROFILE
C-23	BIANCHI LANE UTILITY PLAN - EXISTING
C-24	BIANCHI LANE UTILITY PLAN - PROPOSED
C-25	BIANCHI LANE BRIDGE WATERLINE PROFILE
C-26	HIGUERA ST UTILITY PLAN
C-27	MATHIEWS ROADWAY AND UTILITY PLAN
C-28	ROADWAY AND UTILITY DETAILS
C-29	BIANCHI LANE STORM DRAIN PROFILES
C-30	ROADWAY AND UTILITY DETAILS
C-31	ROADWAY AND UTILITY DETAILS
C-32	MATHIEWS OPEN SPACE TEMPORARY BRIDGE
C-33	DEWATERING PLANS
C-34	EXISTING TREE PLAN
C-35	EXISTING TREE PLAN
C-36	EXISTING TREE PLAN
C-37	EXISTING TREE PLAN
C-38	TEMPORARY WATER POLLUTION CONTROL PLAN
C-39	HYDROSEED PLAN
L-1	REVEGETATION PLAN
L-2	REVEGETATION PLAN
L-3	REVEGETATION PLAN
L-4	REVEGETATION PLAN
A-1	DEMOLITION PLAN NOTES
A-2	GENERAL REQUIREMENTS
A-3	GENERAL REQUIREMENTS
A-4	SITE PLAN
A-5	EXISTING FLOOR PLAN
A-6	EXISTING ROOF PLAN
A-7	EXISTING ELEVATIONS
A-8	DEMOLITION NOTES
A-9	DEMOLITION PLANS
S-1	BIANCHI BRIDGE - GENERAL PLAN
S-2	BIANCHI BRIDGE - DECK CONTOURS
S-3	BIANCHI BRIDGE - FOUNDATION PLAN
S-4	BIANCHI BRIDGE - ABUTMENT LAYOUT
S-5	BIANCHI BRIDGE - ABUTMENT 3 LAYOUT
S-6	BIANCHI BRIDGE - ABUTMENT DETAILS
S-7	BIANCHI BRIDGE - PIER LAYOUT
S-8	BIANCHI BRIDGE - PIER DETAILS
S-9	BIANCHI BRIDGE - TYPICAL SECTION
S-10	BIANCHI BRIDGE - PC-PS SLAB LAYOUT
S-11	BIANCHI BRIDGE - PC-PS SLAB DETAILS
S-12	BIANCHI BRIDGE - CALIFORNIA ST-75 BRIDGE RAIL (MOD) DETAILS
S-13	BIANCHI BRIDGE - LOG OF TEST BORINGS

## PRELIMINARY NOT FOR CONSTRUCTION

CONSULTANT NAME	ENGINEER OF RECORD	LANDSCAPE ARCHITECT	STRUCTURAL ENGINEER	ARCHITECT
 <p>WALLACE GROUP                  612 CLARION CT                  SAN LUIS OBISPO, CA 93401                  805-544-0111                  www.wallacegroup.us</p>				



## san luis obispo county, california MID-HIGUERA BYPASS

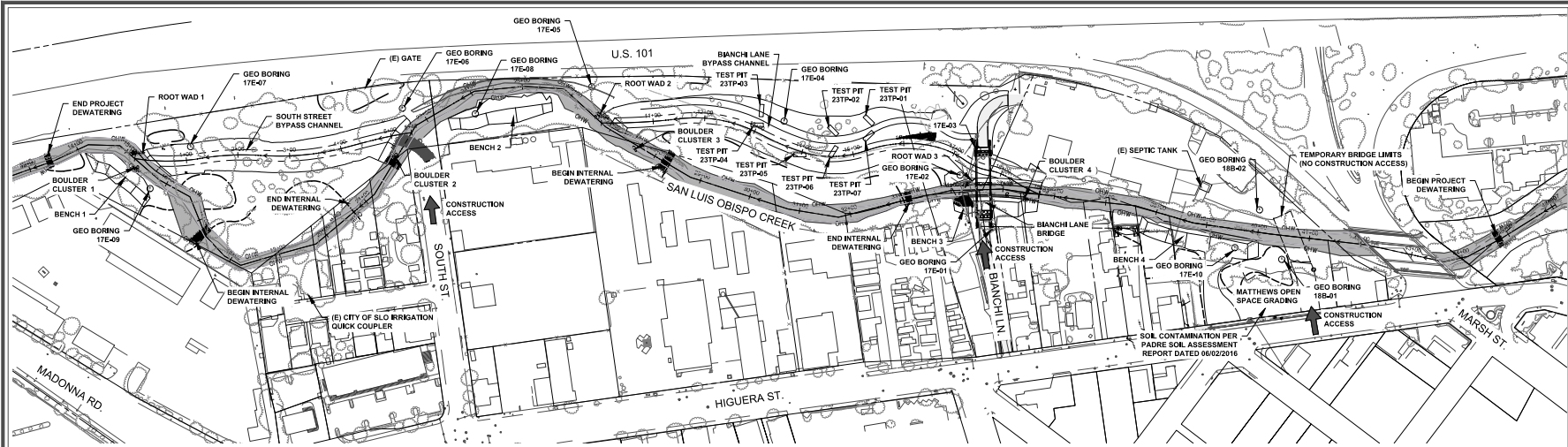
APPROVED BY  
 Brian A. Nelson, City Engineer R.C.E. C79870 Approved Date

SPECIFICATION NO.	DATE	SHEET
2090649	6/11/2024	C-1 of 65



MID-HIGUERA BYPASS

SITE PLAN



LEGEND

- Legend items including symbols for geotech boring, trees, temporary high visibility fence, proposed grading limit, and various utility lines.

GENERAL NOTES

- General notes 1-15 detailing work within city right-of-way, environmental monitoring, dust control, erosion control, and safety requirements.

GRADING NOTES

- Grading notes 1-2 regarding slope requirements and construction standards.

Table with 2 columns: POTENTIALLY HAZARDOUS MATERIALS and descriptions like BIANCHI BRIDGE, ASBESTOS WRAP, etc.

VEGETATION NOTES

- Vegetation notes 1-9 detailing tree protection, removal, and planting requirements.

UTILITY REPRESENTATIVE table with columns: UTILITY, PROVIDER, CONTACT, PHONE. Lists AT&T, Charter Communications, etc.



Know what's below. Call before you dig.



Project and drawing information including title, designer (VGH), checker (CK), and date (6/11/2024).



**MID-HIGUERA BYPASS**

**ORDER OF WORK**

PROJECT TITLE:  
SHEET TITLE:



DESIGNED BY: **VGH**

DRAWN BY: **CK**

CHECKED BY: **CAC**

APPROVED BY:

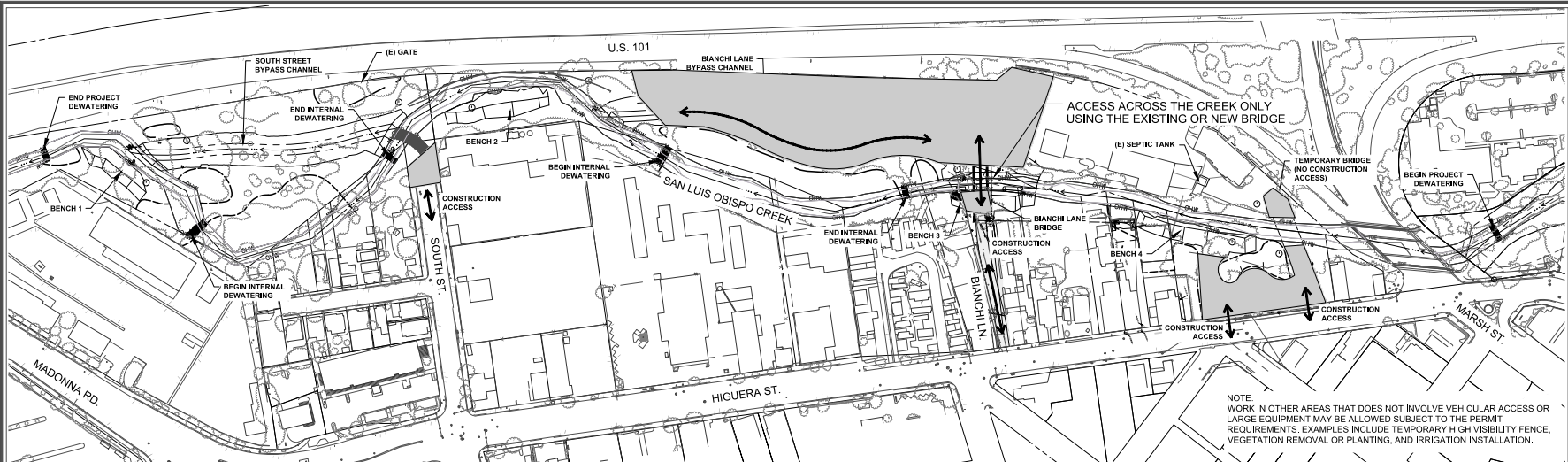
SCALE: **1" = 100'**

DATE: **6/11/2024**

CITY SPECIFICATION NO. **2090649**

PLAN FILE NO. / LOCATION **088-0091 ORD.R.dwg**

SHEET NO.



NOTE:  
WORK IN OTHER AREAS THAT DOES NOT INVOLVE VEHICULAR ACCESS OR LARGE EQUIPMENT MAY BE ALLOWED SUBJECT TO THE PERMIT REQUIREMENTS, EXAMPLES INCLUDE TEMPORARY HIGH VISIBILITY FENCE, VEGETATION REMOVAL OR PLANTING, AND IRRIGATION INSTALLATION.

**CONSTRUCTION WORK AREAS OUTSIDE OF DEWATERING PERIOD  
OCTOBER 16 - MAY 30**

**LEGEND**

- ALLOWED CONSTRUCTION WORK AREAS, OCTOBER 16 - MAY 30
- ALLOWED CONSTRUCTION ACCESS ROUTES
- ORDINARY HIGH WATER MARK LIMIT



THIS PAGE SUMMARIZES SCHEDULING REQUIREMENTS OF THE PERMITS, THE SPECIAL PROVISIONS, AND OTHER SUPPLEMENTAL PROJECT INFORMATION. REFER TO THE SPECIAL PROVISIONS AND SUPPLEMENTAL PROJECT INFORMATION FOR ADDITIONAL DETAILS.

**INITIAL ACTIVITIES**

1. SUBMIT REQUIRED CONSTRUCTION SCHEDULE FOR APPROVAL
2. COORDINATE ENVIRONMENTAL PRECONSTRUCTION SURVEYS
3. COORDINATE WORK BY OTHERS, INCLUDING UTILITIES AND CITY BIOLOGIST
4. ENVIRONMENTAL TRAINING OF CONSTRUCTION PERSONNEL
5. INSTALL TEMPORARY HIGH VISIBILITY FENCING

**BIANCHI LANE BRIDGE - USE OF EXISTING BRIDGE**

PRIOR TO REMOVAL, THE EXISTING BIANCHI LANE BRIDGE MAY BE USED FOR CONSTRUCTION ACCESS. COMPLY WITH THE LOAD RATING OF THE BRIDGE (REFER TO SPECIAL PROVISIONS).

**BIANCHI LANE BRIDGE - REMOVAL OF EXISTING BRIDGE, FOOTINGS, AND ABUTMENTS**

THE CREEK AREA UNDER THE BRIDGE MUST BE DEWATERED BEFORE BRIDGE REMOVAL. MAINTAIN ACCESS AND UTILITY SERVICE TO THE EXISTING PRIVATE PROPERTY (APN 002-482-071) DURING CONSTRUCTION. PRIOR TO REMOVAL OF THE EXISTING BIANCHI LANE BRIDGE, THE FOLLOWING MUST BE COMPLETED. COORDINATE THE WORK BY OTHERS AND COMPLETE THE INSTALLATIONS NEEDED.

1. CONSTRUCT THE TEMPORARY BRIDGE AND MATTHEWS PARK CONSTRUCTION ACCESS.
2. CONSTRUCT THE TEMPORARY WATER SERVICE TO THE PRIVATE PROPERTY.
3. COORDINATE WITH OTHERS TO REMOVE AND DISPOSE OF THE EXISTING ABANDONED GAS LINE.
4. DO NOT REMOVE THE EXISTING BRIDGE PRIOR TO APPROVAL FROM THE ENGINEER.

**TEMPORARY BRIDGE**

1. THE TEMPORARY BRIDGE IS FOR TEMPORARY PRIVATE USE BY THE LANDOWNER AND IS NOT A CONSTRUCTION ACCESS.
2. THE TEMPORARY BRIDGE MAY BE INSTALLED AND REMOVED OUTSIDE OF THE DEWATERING PERIOD, IF ALL WORK IS DONE OUTSIDE OF THE EXISTING TOP OF CREEK BANKS.
3. DO NOT INSTALL THE TEMPORARY BRIDGE PRIOR TO APPROVAL FROM THE ENGINEER.
4. DO NOT REMOVE THE TEMPORARY BRIDGE PRIOR TO APPROVAL FROM THE ENGINEER.

**DEWATERED CREEK AREAS**

DURING THE CREEK DEWATERING PERIOD, CONSTRUCTION ACTIVITIES SHOWN ON THESE DRAWINGS MAY BE PERFORMED WITHIN THE CREEK DEWATERING AREAS. THE DEWATERED AREAS MAY ALSO BE USED FOR CONSTRUCTION ACCESS, AND TEMPORARY ACCESS ROUTES MAY BE ESTABLISHED AS SHOWN ON THE DRAWINGS OR AS APPROVED BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR ENVIRONMENTAL PROTECTION REQUIREMENTS.

**NON-DEWATERED CREEK AREAS (RESTRICTED WORK AREAS)**

INSTALL TEMPORARY HIGH VISIBILITY FENCING TO ISOLATE THE NON-DEWATERED CREEK AREAS FROM CONSTRUCTION ACTIVITIES NOT ALLOWED BY THE PERMITS. LIMIT ACTIVITIES IN THE NON-DEWATERED CREEK AREAS TO THOSE ALLOWED BY THE PERMITS, INCLUDING THE FOLLOWING:

1. HAND TOOLS, INCLUDING POWER TOOLS
2. WORK ABOVE THE WATER SURFACE
3. VEGETATION REMOVAL
4. VEGETATION PLANTING
5. TEMPORARY IRRIGATION SYSTEM INSTALLATION, AT OR ABOVE EXISTING GRADE

**PERMIT WORK PERIODS**

THE TABLE BELOW SUMMARIZES SCHEDULING REQUIREMENTS OF THE PERMITS AND INFORMATION PROVIDED IN THE SUPPLEMENTAL PROJECT INFORMATION. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS AND COMPLY WITH ALL REQUIREMENTS.

PERIOD	DESCRIPTION
MARCH 1 TO SEPTEMBER 1	NESTING BIRD SEASON (BR-MM 21)
JUNE 1 TO OCTOBER 15	CREEK DEWATERING PERIOD (BR-MM 2)
SEPTEMBER 15 TO MARCH 15	MONARCH BUTTERFLY WINTERING PERIOD (BR-MM 8)

WORK AREAS NOT RESTRICTED BY PERMITS ARE ALLOWED ACCESS YEAR-ROUND AND INCLUDE THE SHADED AREAS SHOWN ON THIS SHEET.

**NESTING BIRD SEASON (FEIR BR-MM 21)**

SCHEDULE THE WORK TO PRIORITIZE ACCOMPLISHING VEGETATION REMOVAL AND EARTH DISTURBANCE OUTSIDE OF THE NESTING BIRD SEASON. IF WORK IS NECESSARY DURING THE NESTING BIRD SEASON, YOU MUST COORDINATE WITH THE CITY-SUPPLIED BIOLOGIST AND COMPLY WITH THE REQUIRED BUFFER ZONES. INSTALL FENCING, SIGNS, OR ROPES AS REQUIRED BY THE CITY-SUPPLIED BIOLOGIST TO MARK THE BUFFER ZONES.

**CREEK DEWATERING PERIOD (FEIR BR-MM 2)**

SCHEDULE THE WORK TO ACCOMPLISH ALL WORK REQUIRING CREEK DEWATERING, CREEK CROSSINGS, OR WORK IN THE CHANNEL BED TO THE PERIOD FROM JUNE 1 TO OCTOBER 15. UPSTREAM AND DOWNSTREAM PASSAGE FOR FISH, INCLUDING JUVENILE STEELHEAD, MUST BE PROVIDED THROUGH OR AROUND CONSTRUCTION SITES AT ALL TIMES. COORDINATE THE CREEK DEWATERING WITH THE CITY-SUPPLIED BIOLOGIST, AND DO NOT PROCEED WITH WORK IN THE CREEK UNTIL AUTHORIZED IN WRITING BY THE ENGINEER.

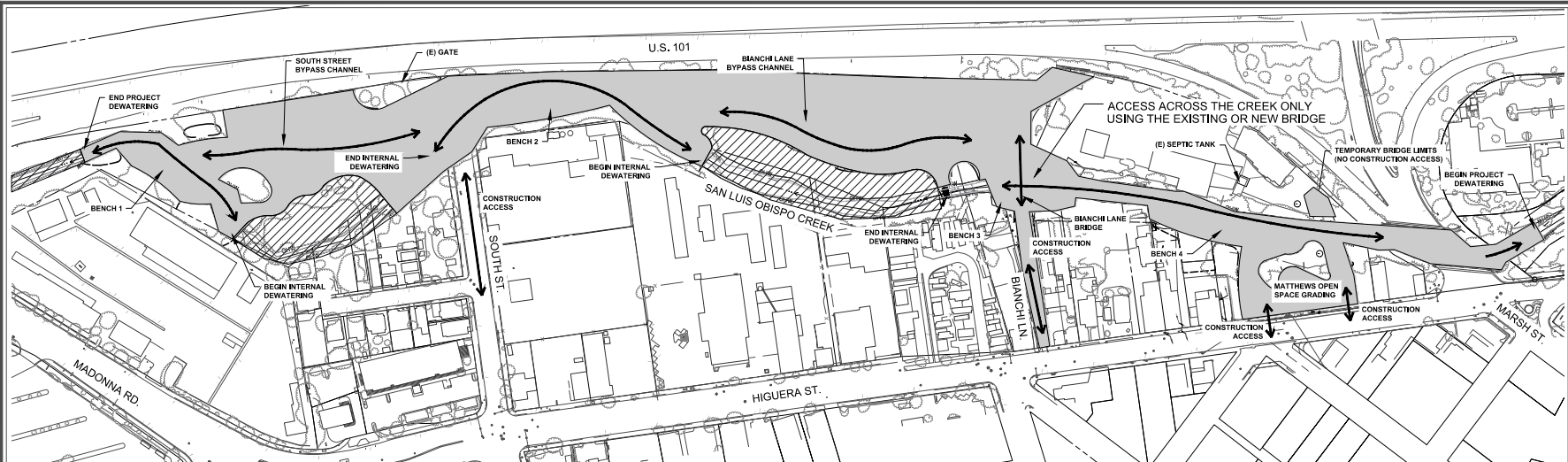
**MONARCH BUTTERFLY WINTERING PERIOD (FEIR BR-MM 8)**

SCHEDULE THE WORK TO PRIORITIZE ACCOMPLISHING TREE REMOVAL, WORK NEAR EUCALYPTUS TREES, AND DUST-CREATING ACTIVITIES OUTSIDE OF THE MONARCH BUTTERFLY WINTERING PERIOD. IF WORK IS NECESSARY DURING THE MONARCH BUTTERFLY WINTERING PERIOD, YOU MUST COORDINATE WITH THE CITY-SUPPLIED BIOLOGIST AND COMPLY WITH THE REQUIRED BUFFER ZONES AND DUST CONTROL MEASURES. INSTALL FENCING, SIGNS, OR ROPES AS REQUIRED BY THE CITY-SUPPLIED BIOLOGIST TO MARK THE BUFFER ZONES.



MID-HIGUERA BYPASS

ORDER OF WORK



CONSTRUCTION WORK AREAS DURING DEWATERING PERIOD  
JUNE 1 - OCTOBER 15

LEGEND

- ALLOWED CONSTRUCTION WORK AREAS, JUNE 1 - OCTOBER 15
- NON-DEWATERED CREEK AREAS (RESTRICTED WORK AREAS)
- ALLOWED CONSTRUCTION ACCESS ROUTES
- ORDINARY HIGH WATER MARK LIMIT

NOTE:  
CREEK NON-DEWATERED AREAS ARE TO BE ACCESSED BY FOOT ONLY. ACTIVITIES ALLOWED INCLUDE VEGETATION AND TRASH REMOVAL, VEGETATION PLANTING AND IRRIGATION INSTALLATION, AND DEWATERING INSTALLATION AND MAINTENANCE.



NORTH

THIS PAGE SUMMARIZES SCHEDULING REQUIREMENTS OF THE PERMITS, THE SPECIAL PROVISIONS, AND OTHER SUPPLEMENTAL PROJECT INFORMATION. REFER TO THE SPECIAL PROVISIONS AND SUPPLEMENTAL PROJECT INFORMATION FOR ADDITIONAL DETAILS.

**INITIAL ACTIVITIES**

1. SUBMIT REQUIRED CONSTRUCTION SCHEDULE FOR APPROVAL
2. COORDINATE ENVIRONMENTAL PRECONSTRUCTION SURVEYS
3. COORDINATE WORK BY OTHERS, INCLUDING UTILITIES AND CITY BIOLOGIST
4. ENVIRONMENTAL TRAINING OF CONSTRUCTION PERSONNEL
5. INSTALL TEMPORARY HIGH VISIBILITY FENCING

**BIANCHI LANE BRIDGE - USE OF EXISTING BRIDGE**

PRIOR TO REMOVAL, THE EXISTING BIANCHI LANE BRIDGE MAY BE USED FOR CONSTRUCTION ACCESS. COMPLY WITH THE LOAD RATING OF THE BRIDGE (REFER TO SPECIAL PROVISIONS).

**BIANCHI LANE BRIDGE - REMOVAL OF EXISTING BRIDGE, FOOTINGS, AND ABUTMENTS**

THE CREEK AREA UNDER THE BRIDGE MUST BE DEWATERED BEFORE BRIDGE REMOVAL. MAINTAIN ACCESS AND UTILITY SERVICE TO THE EXISTING PRIVATE PROPERTY (APN 002-482-071) DURING CONSTRUCTION. PRIOR TO REMOVAL OF THE EXISTING BIANCHI LANE BRIDGE, THE FOLLOWING MUST BE COMPLETED. COORDINATE THE WORK BY OTHERS AND COMPLETE THE INSTALLATIONS NEEDED.

1. CONSTRUCT THE TEMPORARY BRIDGE AND MATTHEWS PARK CONSTRUCTION ACCESS. THE TEMPORARY BRIDGE IS FOR TEMPORARY PRIVATE USE BY THE LANDOWNER AND IS NOT A CONSTRUCTION ACCESS.
2. CONSTRUCT THE TEMPORARY WATER SERVICE TO THE PRIVATE PROPERTY.
3. COORDINATE WITH OTHERS TO REMOVE AND DISPOSE OF THE EXISTING ABANDONED GAS LINE.
4. DO NOT REMOVE THE EXISTING BRIDGE PRIOR TO APPROVAL FROM THE ENGINEER.

**TEMPORARY BRIDGE**

1. THE TEMPORARY BRIDGE IS FOR TEMPORARY PRIVATE USE BY THE LANDOWNER AND IS NOT A CONSTRUCTION ACCESS.
2. THE TEMPORARY BRIDGE MAY BE INSTALLED AND REMOVED OUTSIDE OF THE DEWATERING PERIOD, IF ALL WORK IS DONE OUTSIDE OF THE EXISTING TOP OF CREEK BANKS.
3. DO NOT INSTALL THE TEMPORARY BRIDGE PRIOR TO APPROVAL FROM THE ENGINEER.
4. DO NOT REMOVE THE TEMPORARY BRIDGE PRIOR TO APPROVAL FROM THE ENGINEER.

**DEWATERED CREEK AREAS**

DURING THE CREEK DEWATERING PERIOD, CONSTRUCTION ACTIVITIES SHOWN ON THESE DRAWINGS MAY BE PERFORMED WITHIN THE CREEK DEWATERING AREAS. THE DEWATERED AREAS MAY ALSO BE USED FOR CONSTRUCTION ACCESS, AND TEMPORARY ACCESS ROUTES MAY BE ESTABLISHED AS SHOWN ON THE DRAWINGS OR AS APPROVED BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR ENVIRONMENTAL PROTECTION REQUIREMENTS.

**NON-DEWATERED CREEK AREAS (RESTRICTED WORK AREAS)**

INSTALL TEMPORARY HIGH VISIBILITY FENCING TO ISOLATE THE NON-DEWATERED CREEK AREAS FROM CONSTRUCTION ACTIVITIES NOT ALLOWED BY THE PERMITS. LIMIT ACTIVITIES IN THE NON-DEWATERED CREEK AREAS TO THOSE ALLOWED BY THE PERMITS, INCLUDING THE FOLLOWING:

1. HAND TOOLS, INCLUDING POWER TOOLS
2. WORK ABOVE THE WATER SURFACE
3. VEGETATION REMOVAL
4. VEGETATION PLANTING
5. TEMPORARY IRRIGATION SYSTEM INSTALLATION, AT OR ABOVE EXISTING GRADE

**PERMIT WORK PERIODS**

THE TABLE BELOW SUMMARIZES SCHEDULING REQUIREMENTS OF THE PERMITS AND INFORMATION PROVIDED IN THE SUPPLEMENTAL PROJECT INFORMATION. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS AND COMPLY WITH ALL REQUIREMENTS.

PERIOD	DESCRIPTION
MARCH 1 TO SEPTEMBER 1	NESTING BIRD SEASON (BR-MM 21)
JUNE 1 TO OCTOBER 15	CREEK DEWATERING PERIOD (BR-MM 2)
SEPTEMBER 15 TO MARCH 15	MONARCH BUTTERFLY WINTERING PERIOD (BR-MM 8)

WORK AREAS NOT RESTRICTED BY PERMITS ARE ALLOWED ACCESS YEAR-ROUND AND INCLUDE THE SHADED AREAS SHOWN ON THIS SHEET.

**NESTING BIRD SEASON (FEIR BR-MM 21)**

SCHEDULE THE WORK TO PRIORITIZE ACCOMPLISHING VEGETATION REMOVAL AND EARTH DISTURBANCE OUTSIDE OF THE NESTING BIRD SEASON. IF WORK IS NECESSARY DURING THE NESTING BIRD SEASON, YOU MUST COORDINATE WITH THE CITY-SUPPLIED BIOLOGIST AND COMPLY WITH THE REQUIRED BUFFER ZONES. INSTALL FENCING, SIGNS, OR ROPES AS REQUIRED BY THE CITY-SUPPLIED BIOLOGIST TO MARK THE BUFFER ZONES.

**CREEK DEWATERING PERIOD (FEIR BR-MM 2)**

SCHEDULE THE WORK TO ACCOMPLISH ALL WORK REQUIRING CREEK DEWATERING, CREEK CROSSINGS, OR WORK IN THE CHANNEL BED TO THE PERIOD FROM JUNE 1 TO OCTOBER 15. UPSTREAM AND DOWNSTREAM PASSAGE FOR FISH, INCLUDING JUVENILE STEELHEAD, MUST BE PROVIDED THROUGH OR AROUND CONSTRUCTION SITES AT ALL TIMES. COORDINATE THE CREEK DEWATERING WITH THE CITY-SUPPLIED BIOLOGIST, AND DO NOT PROCEED WITH WORK IN THE CREEK UNTIL AUTHORIZED IN WRITING BY THE ENGINEER.

**MONARCH BUTTERFLY WINTERING PERIOD (FEIR BR-MM 8)**

SCHEDULE THE WORK TO PRIORITIZE ACCOMPLISHING TREE REMOVAL, WORK NEAR EUCALYPTUS TREES, AND DUST-CREATING ACTIVITIES OUTSIDE OF THE MONARCH BUTTERFLY WINTERING PERIOD.

IF WORK IS NECESSARY DURING THE MONARCH BUTTERFLY WINTERING PERIOD, YOU MUST COORDINATE WITH THE CITY-SUPPLIED BIOLOGIST AND COMPLY WITH THE REQUIRED BUFFER ZONES AND DUST CONTROL MEASURES. INSTALL FENCING, SIGNS, OR ROPES AS REQUIRED BY THE CITY-SUPPLIED BIOLOGIST TO MARK THE BUFFER ZONES.

PROJECT TITLE:

SHEET TITLE:



DESIGNED BY: VGH

DRAWN BY: CK

CHECKED BY: CAC

APPROVED BY:

SCALE: 1" = 100'

DATE: 6/11/2024

CITY SPECIFICATION NO. 2090649

PLAN FILE NO. LOCATION 000-0091-000R.dwg

SHEET NO.

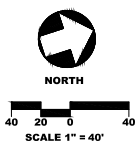
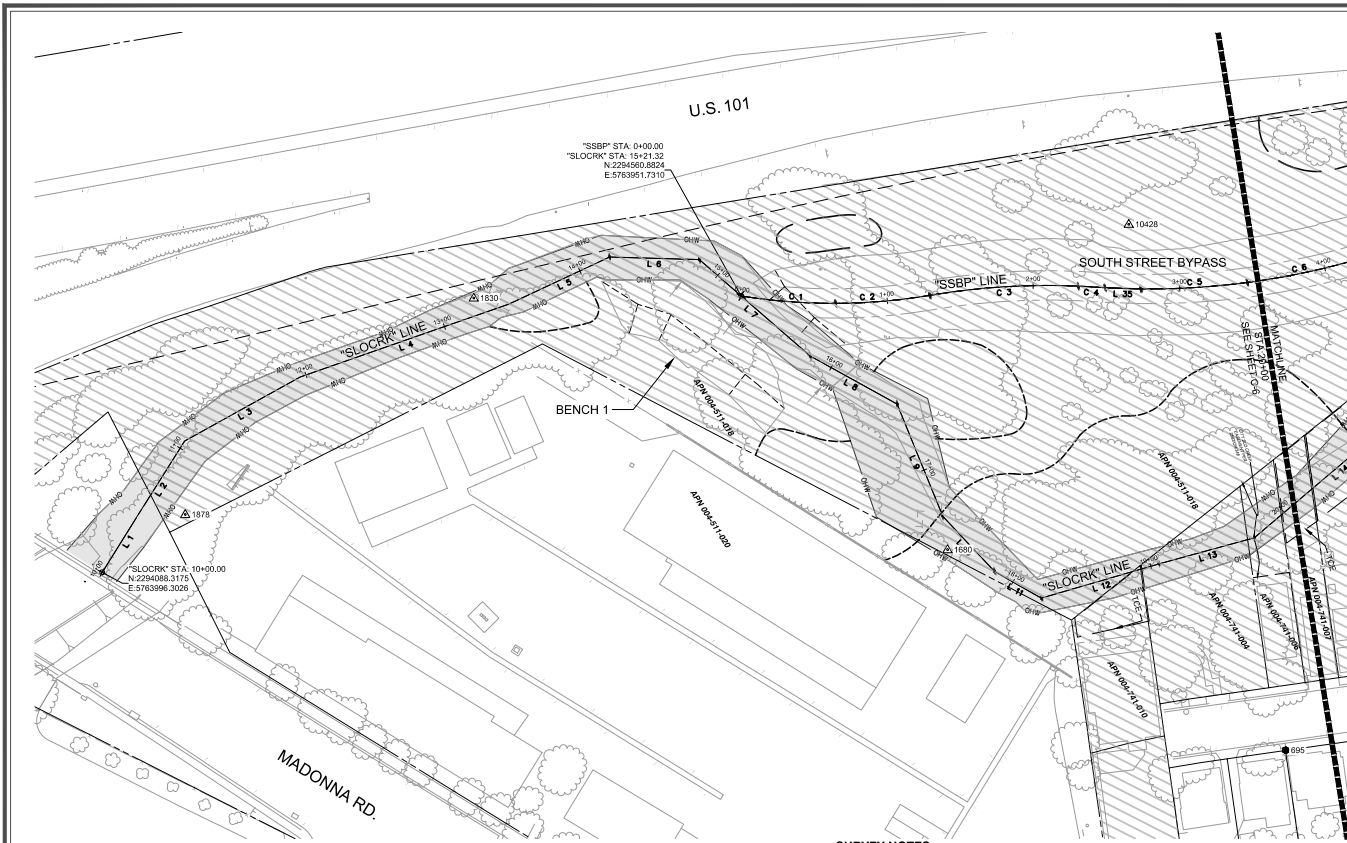


**MID-HIGUERA BYPASS**  
**PROJECT CONTROL STA 10+00.00 TO 20+00.00**

PROJECT TITLE: \_\_\_\_\_  
SHEET TITLE: \_\_\_\_\_



DESIGNED BY: **VGH**  
DRAWN BY: **CK**  
CHECKED BY: **CAC**  
APPROVED BY: \_\_\_\_\_  
SCALE: **1" = 40'**  
DATE: **6/11/2024**  
CITY SPECIFICATION NO: **2006649**  
PLAN FILE NO./LOCATION: **0061-0091-HCTRL.dwg**  
SHEET NO.:



APN	Address
002-482-007	304 Higuera Street
002-482-012	N/A
002-482-013	280 Higuera Street
002-482-015	300 Higuera Street
002-482-017	284 Higuera Street
002-482-021	390 Higuera Street
002-482-023	292 Higuera Street
002-482-024	286 Higuera Street
002-482-025	N/A
002-482-026	320 Higuera Street
002-482-027	306 Higuera Street
002-511-023	406 Higuera Street
003-711-023	34 South Street
003-711-024	264 Higuera Street
003-711-025	10 South Street
003-711-026	252 Higuera Street
003-711-041	236 Higuera Street
004-511-018	5 South Street
004-511-020	50 Higuera Street
004-741-001	23 South Street
004-741-004	170 Brook Street
004-741-006	174 Brook Street
004-741-007	178 Brook Street
004-741-008	180 Brook Street
004-741-010	160 Brook Street

**LEGEND**

- TEMPORARY HIGH VISIBILITY FENCE
- PROPOSED GRADING LIMIT
- BYPASS CHANNEL TOE
- (E) TOE OF SLOPE
- CHW
- FLOWLINE
- PARCEL LINE FROM CITY GIS
- ACCESSOR PARCELS OVERLYING THE WORK AREA (PER CITY GIS)
- ORDINARY HIGH WATER (OHW)
- EXISTING/PROPOSED EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- BUILDING FOOTPRINT
- BLW
- BR&CAE
- GAE
- P&BEE
- TB&CAE
- TCE

**SURVEY NOTES**

- THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE 2007 CITY OF SAN LUIS OBISPO HORIZONTAL CONTROL NETWORK AS REFERENCED IN THIS SURVEY BY WGP POINT #8207, BEING SLO CONTROL #8207 AND BY WGP POINT #8066, BEING SLO CONTROL #8066, HAVING A CALCULATED BEARING OF NORTH 19° 49' 28" EAST. DESIGNATED POINTS ARE PUBLISHED IN A CONTROL INVENTORY FILE ON FILE WITH THE CITY OF SAN LUIS OBISPO, NOT SHOWN.
- ALL MEASUREMENTS LISTED, SHOWN AND REPRESENTED HEREON ARE BASED ON GROUND DISTANCES. ALL DISTANCES SHOWN ARE U.S. SURVEY FEET.
- THE ORTHOMETRIC HEIGHTS (ELEVATIONS) ARE BASED ON THE CITY OF SAN LUIS OBISPO BENCHMARK SYSTEM, 1988 NORTH AMERICAN VERTICAL DATUM, THIS SURVEY TIED TO THE BENCHMARK DESIGNATED SLO BENCHMARK #15, WGP POINT #14, LOCATED ON SLO CREEK BRIDGE AT THE SOUTHWEST CORNER OF MARSH AND HIGUERA AND HAVING A PUBLISHED ELEVATION OF 13.9217.
- CONTOUR INTERVALS SHOWN HEREON BASED ON THE QUANTITY AND QUALITY OF DATA COMPILED FROM GROUND SURVEY AND PHOTOGRAMMETRIC SOURCES. THIS IS DUE TO AREAS BEING OBSTRUCTED FROM THE AIR BY TREE CANOPIES OR A LACK OF GROUND SURVEY DENSIFICATION TO DATE. SOME AREAS SHOW THE CONTOUR INTERVALS IN A FADED NUMBER, I.E. 2, 5, 10.
- ORTHOGRAPHY AND AERIAL MAPPING PRODUCED BY:  
GOLDEN STATE AERIALS, INC.  
3195 MCMLAN RD, SUITE E  
SAN LUIS OBISPO, CA 93901  
PHONE: (805) 949-0399  
PHOTOGRAPHY DATED: 1/26/2012
- UNDERGROUND UTILITY LOCATIONS ARE PLOTTED BASED ON ABOVE GROUND PAINT MARKS BY OTHERS, ABOVE GROUND SURFACE STRUCTURES, ACTUAL LOCATION MAY DIFFER. ADDITIONAL UNDERGROUND UTILITY LINES MAY EXIST. FOR INFORMATION REGARDING UTILITY LOCATION, SIZE, DEPTH, CONDITION, AND CAPACITY CONTACT UTILITY OR MUNICIPAL/PUBLIC SERVICE FACILITY.
- UNDERGROUND PIPE SIZES ARE BASED ON VISUAL OBSERVATIONS MADE FROM THE SURFACE AND ARE APPROXIMATE.
- EASEMENTS AFFECTING THE PROPERTIES MAY EXIST, SEE EASEMENT NOTE REGARDING PLOTTING OF CERTAIN EASEMENTS.
- HIGH WATER MARK: HIGH WATER MARK WAS DETERMINED BY PADRE ASSOCIATES, HIGH WATER POINTS SHOWN ARE THE LOCATIONS OF THE FLAGS SET BY PADRE ASSOCIATES. (TREE SURVEY AND IDENTIFICATION OF ORDINARY HIGH WATER MARK WITHIN SAN LUIS OBISPO CREEK, PADRE ASSOCIATES INC., FEBRUARY 2012).
- TREE IDENTIFICATION SURVEY: PADRE ASSOCIATES WAS TASKED TO IDENTIFY TREES IN THE CREEK SURVEY AREA (NATIVE AND NON-NATIVE) GREATER THAN EIGHT INCHES IN DIAMETER AND OAK TREES GREATER THAN 4 INCHES IN DIAMETER, TREE TAG NUMBERS CORRESPOND TO THE IDENTIFICATION NUMBER ASSIGNED BY PADRE, (MID-HIGUERA BYPASS PROJECT, TREE IDENTIFICATION SURVEY AND TAGGING WITHIN SAN LUIS OBISPO CREEK, PADRE ASSOCIATES INC., OCTOBER 2017).
- GROUND SURVEYS HAVE BEEN PERFORMED IN SELECT AREAS AS REQUIRED FOR THIS PROJECT SPANNING THE YEARS OF 2012-2023.
- THE EASEMENTS LISTED IN THE LEGEND ARE PROPOSED (06/03/2024), IT IS ANTICIPATED THAT THEY SHALL BE CREATED PRIOR TO CONSTRUCTION OCCURRING.

**"SLOCRK" LINE**

Line Table	
Line #	Direction
L 1	44.97 S39°59'19"E
L 2	60.74 S39°48'05"E
L 3	90.02 S11°00'43"E
L 4	150.82 S11°40'45"E
L 5	75.81 S7°01'28"E
L 6	61.16 S19°40'13"W
L 7	100.10 S58°59'46"W
L 8	67.84 S46°58'20"W
L 9	82.60 S85°52'04"W
L 10	51.52 S84°46'50"W
L 11	36.69 S47°45'58"W
L 12	83.52 S1°45'46"W
L 13	67.44 S2°44'11"W
L 14	147.55 S22°16'59"E

**"SSBP" LINE**

Curve Table			
Curve #	Length	Radius	Delta
C 1	64.78	398.87	9°18'18"
C 2	64.40	391.86	9°25'00"
C 3	101.55	485.89	11°58'29"
C 4	18.43	616.57	1°42'45"
C 5	72.68	513.32	8°06'43"
C 6	74.52	513.32	8°19'04"

**SURVEY CONTROL POINTS**

PT. NO.	NORTHING	EASTING	ELEV.	DESC.
1880	2294641.26	5764159.66	146.28	SET #5 REBAR W/ CAP
1830	2294387.04	5763896.71	145.88	SET #5 REBAR W/ CAP
1878	2294154.37	5763976.26	148.54	SET #5 REBAR W/ CAP
10420	2294827.32	5763896.86	160.04	SET #5 REBAR W/ CAP

**FOUND MONUMENT COORDINATE TABLE**

PT. NO.	NORTHING	EASTING	ELEV.	DESC.
695	2294818.29	5764360.97	160.5	FOUND #5 REBAR & PLASTIC CAP PLS 5702



**MID-HIGUERA BYPASS**

**PROJECT CONTROL STA 20+00.00 TO 30+00.00**

PROJECT TITLE:

SHEET TITLE:



DESIGNED BY:

**VGH**

DRAWN BY:

**CK**

CHECKED BY:

**CAC**

APPROVED BY:

SCALE:

**1" = 40'**

DATE:

**6/11/2024**

CITY SPECIFICATION NO.:

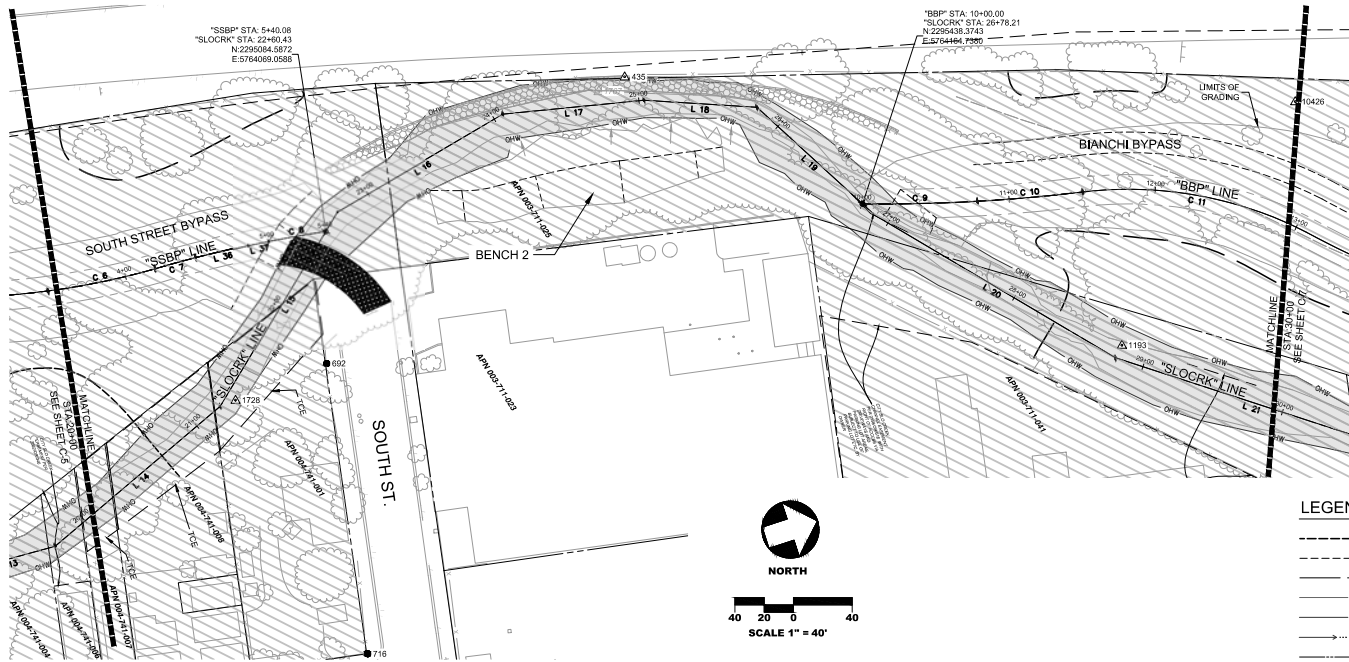
**2090649**

PLAN FILE NO. / LOCATION:

**681-0091 HCTRL.dwg**

SHEET NO.:

**C-6 of 65**



APN	Address
002-482-007	304 Higuera Street
002-482-012	N/A
002-482-013	280 Higuera Street
002-482-015	300 Higuera Street
002-482-017	284 Higuera Street
002-482-021	390 Higuera Street
002-482-023	292 Higuera Street
002-482-024	286 Higuera Street
002-482-025	N/A
002-482-026	320 Higuera Street
002-482-027	306 Higuera Street
002-511-023	406 Higuera Street
003-711-023	34 South Street
003-711-024	254 Higuera Street
003-711-025	10 South Street
003-711-026	252 Higuera Street
003-711-041	236 Higuera Street
004-511-018	5 South Street
004-511-020	50 Higuera Street
004-741-001	23 South Street
004-741-004	170 Brook Street
004-741-006	174 Brook Street
004-741-007	178 Brook Street
004-741-008	180 Brook Street
004-741-010	160 Brook Street

**LEGEND**

- TEMPORARY HIGH VISIBILITY FENCE
- PROPOSED GRADING LIMIT
- BYPASS CHANNEL TOE
- TOE OF SLOPE (E)
- CHW ORDINARY HIGH WATER MARK LIMIT
- FLOWLINE
- PARCEL LINE FROM CITY GIS
- ACCESSOR PARCELS OVERLYING THE WORK AREA (PER CITY GIS)
- ORDINARY HIGH WATER (OHW)
- EXISTING/PROPOSED EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- BUILDING FOOTPRINT
- BLW BIANCHI LANE WIDENING
- BR&CAE BUILDING REMOVAL AND CONSTRUCTION ACCESS EASEMENT
- GAE GRADING AREA EASEMENT
- P&BEE PARKING AND BUILDING ENCROACHMENT EASEMENT
- TB&CAE TEMPORARY BRIDGE AND CONSTRUCTION ACCESS EASEMENT
- TCE TEMPORARY CONSTRUCTION EASEMENT

**"SLOCRK" LINE**

Line #	Length	Direction
L 13	67.44	S2°44'11"W
L 14	147.55	S22°16'59"E
L 15	155.02	S41°00'48"E
L 16	130.97	S122°27'24"E
L 17	96.69	S122°21'19"W
L 18	77.20	S21°34'50"W
L 19	108.84	S60°28'20"W
L 20	190.64	S48°40'02"W
L 21	197.76	S36°02'44"W

**"SSBP" LINE**

Curve Table				Line Table		
Curve #	Length	Radius	Delta	Line #	Length	Direction
C 6	74.52	513.32	8°19'04"	L 36	36.78	S4°40'11"W
C 7	28.77	529.38	3°06'48"	L 37	14.27	S5°50'24"W
C 8	39.48	1063.03	2°07'41"			

**"BBP" LINE**

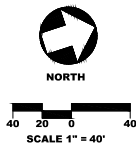
Curve Table			
Curve #	Length	Radius	Delta
C 9	78.34	1347.12	3°19'55"
C 10	72.19	1140.64	3°37'34"
C 11	157.04	266.70	33°44'16"

**SURVEY CONTROL POINTS**

PT. NO.	NORTHING	EASTING	ELEV.	DESC.
435	2295310.90	5764032.17	158.12	SET SCRIBED X
1193	2295576.80	5764310.98	152.64	SET #5 REBAR W/ CAP
1728	2294990.46	5764159.86	148.32	SET #5 REBAR W/ CAP
10426	2295740.54	5764189.54	177.49	SET #5 REBAR W/ CAP

**FOUND MONUMENT COORDINATE TABLE**

PT. NO.	NORTHING	EASTING	ELEV.	DESC.
692	2296057.36	5764155.33	160.8	FOUND #5 REBAR & PLASTIC CAP EDA LS 5702
716	2296022.76	5764352.25	162.1	FOUND #5 REBAR EDA LS 5702





**MID-HIGUERA BYPASS**

**PROJECT CONTROL STA 30+00.00 TO 36+50.00**

PROJECT TITLE:

SHEET TITLE:



DESIGNED BY: **VGH**

DRAWN BY: **CK**

CHECKED BY: **CAC**

APPROVED BY:

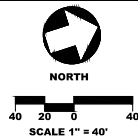
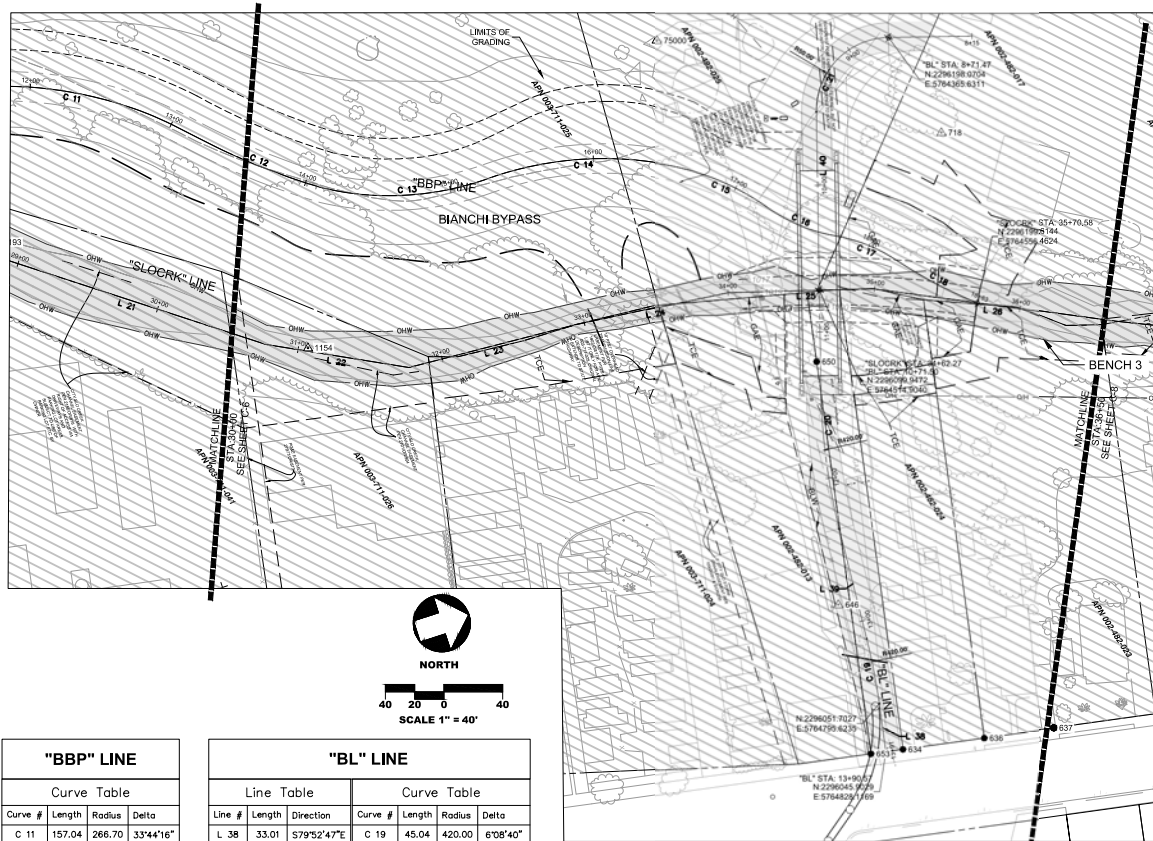
SCALE: **1" = 40'**

DATE: **6/11/2024**

CITY SPECIFICATION NO: **2006649**

PLAN FILE NO./LOCATION: **0061-0091 HCTRL.dwg**

SHEET NO.:



**"SLOCRK" LINE**

Line Table		
Line #	Length	Direction
L 21	197.76	S36°02'44"W
L 22	98.64	S27°07'25"W
L 23	117.87	S3°36'21"W
L 24	105.47	S5°54'13"W
L 25	98.47	S16°23'00"W
L 26	167.31	S25°45'01"W

**"BBP" LINE**

Curve Table			
Curve #	Length	Radius	Delta
C 11	157.04	266.70	33°44'16"
C 12	104.89	472.91	12°42'29"
C 13	116.04	200.00	33°14'31"
C 14	129.37	235.23	31°30'40"
C 15	65.13	170.92	21°49'55"
C 16	53.66	113.03	27°11'56"
C 17	45.46	107.16	24°18'22"
C 18	61.33	333.55	10°32'08"

**"BL" LINE**

Line Table			Curve Table			
Line #	Length	Direction	Curve #	Length	Radius	Delta
L 38	33.01	S79°52'47"E	C 19	45.04	420.00	6°08'40"
L 39	77.34	S86°01'27"E	C 20	95.94	420.00	13°05'19"
L 40	189.24	S72°56'08"E	C 21	78.54	50.00	90°00'00"

**SURVEY CONTROL POINTS**

PT. NO.	NORTHING	EASTING	ELEV.	DESC.
646	2296045.98	5764722.81	169.09	SET MAGNETIC NAIL & WG WASHER
718	2296212.26	5764438.45	170.13	SET COTTON SPINDLE & WG WASHER
1154	2295756.27	5764445.01	153.85	SET #5 REBAR W/ CAP
75000	2296047.20	5764318.83	174.46	SET MAGNETIC NAIL & WG WASHER

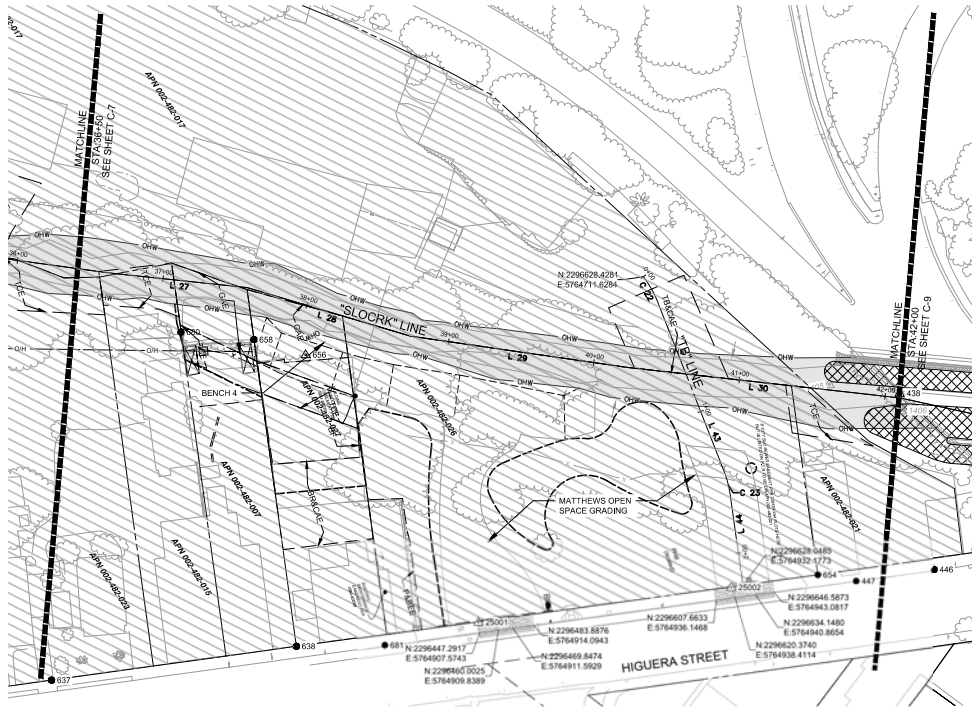
**FOUND MONUMENT COORDINATE TABLE**

PT. NO.	NORTHING	EASTING	ELEV.	DESC.
634	2296657.41	5764830.30	168.4	FOUND #5 REBAR & PLASTIC CAP
638	2296112.51	5764840.14	169.2	FOUND #5 REBAR LS 5661
637	2296159.79	5764848.58	169.7	FOUND NAIL & TAG LS 5702
650	2296983.14	5764560.70	167.5	FOUND #5 REBAR LS 5702
653	2296035.75	5764826.44	168.4	FOUND #5 REBAR & PLASTIC CAP LS 5702

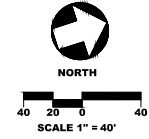
APN	Address
002-482-007	304 Higuera Street
002-482-012	N/A
002-482-013	280 Higuera Street
002-482-015	300 Higuera Street
002-482-017	284 Higuera Street
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002-482-023	292 Higuera Street
002-482-024	285 Higuera Street
002-482-025	N/A
002-482-026	320 Higuera Street
002-482-027	306 Higuera Street
002-511-023	406 Higuera Street
003-711-023	34 South Street
003-711-024	264 Higuera Street
003-711-025	10 South Street
003-711-026	252 Higuera Street
003-711-041	236 Higuera Street
004-511-018	5 South Street
004-511-020	50 Higuera Street
004-741-001	23 South Street
004-741-004	170 Brook Street
004-741-006	174 Brook Street
004-741-007	178 Brook Street
004-741-008	180 Brook Street
004-741-010	160 Brook Street

**LEGEND**

- TEMPORARY HIGH VISIBILITY FENCE
- PROPOSED GRADING LIMIT
- BYPASS CHANNEL TOE
- (E) TOE OF SLOPE
- OHW
- FLOWLINE
- PARCEL LINE FROM CITY GIS
- ACCESSOR PARCELS OVERLYING THE WORK AREA (PER CITY GIS)
- ORDINARY HIGH WATER (OHW)
- EXISTING/PROPOSED EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- BF BUILDING FOOTPRINT
- BLW BIANCHI LANE WIDENING
- BR&CAE BUILDING REMOVAL AND CONSTRUCTION ACCESS EASEMENT
- GAE GRADING AREA EASEMENT
- P&BEE PARKING AND BUILDING ENCROACHMENT EASEMENT
- TB&CAE TEMPORARY BRIDGE AND CONSTRUCTION ACCESS EASEMENT
- TCE TEMPORARY CONSTRUCTION EASEMENT



APN	Address
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002-482-017	284 Higuera Street
002-482-021	390 Higuera Street
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004-741-001	23 South Street
004-741-004	170 Brook Street
004-741-006	174 Brook Street
004-741-007	178 Brook Street
004-741-008	180 Brook Street
004-741-010	160 Brook Street



**LEGEND**

- TEMPORARY HIGH VISIBILITY FENCE
- PROPOSED GRADING LIMIT
- BYPASS CHANNEL TOE
- TOE (E) TOE OF SLOPE
- OHW ORDINARY HIGH WATER MARK LIMIT
- FLOWLINE
- PARCEL LINE FROM CITY GIS
- ACCESSOR PARCELS OVERLYNG THE WORK AREA (PER CITY GIS)
- ORDINARY HIGH WATER (OHW)
- EXISTING/PROPOSED EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- BF BUILDING FOOTPRINT
- BLW BIANCHI LANE WIDENING
- BR&CAE BUILDING REMOVAL AND CONSTRUCTION ACCESS EASEMENT
- GAE GRADING AREA EASEMENT
- P&BEE PARKING AND BUILDING ENCROACHMENT EASEMENT
- TB&CAE TEMPORARY BRIDGE AND CONSTRUCTION ACCESS EASEMENT
- TCE TEMPORARY CONSTRUCTION EASEMENT

**"SLOCRK" LINE**

Line Table		
Line #	Length	Direction
L 27	92.06	S24°01'11"W
L 28	116.05	S34°33'56"W
L 29	148.88	S26°12'30"W
L 30	187.91	S24°23'22"W

**"TB" LINE**

Line Table			Curve Table			
Line #	Length	Direction	Curve #	Length	Radius	Delta
L 43	121.23	N86°34'48"E	C 22	21.67	71.22	17°26'01"
L 44	60.70	S79°54'46"E	C 23	18.66	79.16	13°30'26"

**SURVEY CONTROL POINTS**

PT. NO.	NORTHING	EASTING	ELEV.	DESC.
438	2296770.02	5764841.19	175.04	SET SCRIBED X
656	2296393.08	5764691.04	170.25	SET #5 REBAR MG CAP
25001	2296448.69	5764900.46	171.75	SET SCRIBED X
25002	2296620.09	5764931.12	172.64	SET SCRIBED X

**FOUND MONUMENT COORDINATE TABLE**

PT. NO.	NORTHING	EASTING	ELEV.	DESC.
446	2296755.29	5764962.73	173.2	FOUND CHISELED CROSS
447	2296702.36	5764953.35	172.9	FOUND CHISELED CROSS
637	2296159.79	5764848.58	169.7	FOUND NAIL & TAG LS 5702
638	2296325.53	5764878.17	171.1	FOUND MAGNETIC NAIL & TAG LS 5702
654	2296678.76	5764941.21	172.9	FOUND HOLE & LEAD
658	2296362.73	5764670.39	166.4	FOUND #5 REBAR LS 5702
680	2296317.05	5764650.11	167.8	FOUND #5 REBAR LS 5702
681	2296383.23	5764695.61	171.0	FOUND CHISELED X



**MID-HIGUERA BYPASS**  
**PROJECT CONTROL STA 36+50.00 TO 42+00.00**



DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 40'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **200649**  
 PLAN FILE NO./LOCATION: **0061-0091-HCTRL.dwg**  
 SHEET NO.





**MID-HIGUERA BYPASS**

**PROJECT CONTROL STA 42+00.00 TO 46+15.18**

PROJECT TITLE

SHEET TITLE



DESIGNED BY: **VGH**

DRAWN BY: **CK**

CHECKED BY: **CAC**

APPROVED BY:

SCALE: **1" = 40'**

DATE: **6/11/2024**

CITY SPECIFICATION NO: **200649**

PLAN FILE NO./LOCATION: **0061-0091-HCTRL.dwg**

SHEET NO.



APN	Address
002-482-007	304 Higuera Street
002-482-012	N/A
002-482-013	280 Higuera Street
002-482-015	300 Higuera Street
002-482-017	284 Higuera Street
002-482-021	390 Higuera Street
002-482-023	292 Higuera Street
002-482-024	286 Higuera Street
002-482-025	N/A
002-482-026	320 Higuera Street
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003-711-041	236 Higuera Street
004-511-018	5 South Street
004-511-020	50 Higuera Street
004-741-001	23 South Street
004-741-004	170 Brook Street
004-741-006	174 Brook Street
004-741-007	178 Brook Street
004-741-008	180 Brook Street
004-741-010	160 Brook Street

**LEGEND**

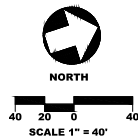
- TEMPORARY HIGH VISIBILITY FENCE
- PROPOSED GRADING LIMIT
- BYPASS CHANNEL TOE
- (E) TOE OF SLOPE
- ORDINARY HIGH WATER MARK LIMIT
- FLOWLINE
- PARCEL LINE FROM CITY GIS
- ACCESSOR PARCELS OVERLYING THE WORK AREA (PER CITY GIS)
- ORDINARY HIGH WATER (OHW)
- EXISTING/PROPOSED EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- BF BUILDING FOOTPRINT
- BLW BIANCHI LANE WIDENING
- BRACAE BUILDING REMOVAL AND CONSTRUCTION ACCESS EASEMENT
- GAE GRADING AREA EASEMENT
- P&BEE PARKING AND BUILDING ENCROACHMENT EASEMENT
- T&BACAE TEMPORARY BRIDGE AND CONSTRUCTION ACCESS EASEMENT
- TCE TEMPORARY CONSTRUCTION EASEMENT

**"SLOCRK" LINE**

Line #	Length	Direction
L 30	187.91	S24°23'22"W
L 31	152.99	S30°21'42"W
L 32	48.01	S5°28'34"W
L 33	72.39	S10°18'37"E
L 34	123.36	S13°59'52"E

SURVEY CONTROL POINTS				
PT. NO.	NORTHING	EASTING	ELEV.	DESC.
438	2296770.02	5764841.19	175.04	SET SCRTBED X
1407	2296893.48	5764879.84	162.25	SET #5 REBAR W/ CAP
10505	2297143.59	5764745.16	205.63	SET PK NAIL

FOUND MONUMENT COORDINATE TABLE				
PT. NO.	NORTHING	EASTING	ELEV.	DESC.
405	2296818.68	5764934.47	174.2	FOUND BENCHMARK 15
446	2296755.29	5764862.73	173.2	FOUND CHISELED CROSS
447	2296702.36	5764953.35	172.9	FOUND CHISELED CROSS
654	2296678.76	5764941.21	172.9	FOUND HOLE & LEAD
663	2297100.81	5765016.92	175.6	FOUND NAIL & TAG LS 4819
664	2297128.23	5765034.94	175.4	FOUND NAIL & TAG LS 4819
665	2297170.17	5765061.56	175.7	FOUND NAIL & TAG RCE 12545
670	2296973.48	5764980.38	173.0	FOUND 2" IRON PIPE & NAIL & WASHER PLS 5702





**MID-HIGUERA BYPASS**  
**SOUTH STREET BYPASS PLAN & PROFILE**

PROJECT TITLE

SHEET TITLE



DESIGNED BY: **VGH**

DRAWN BY: **CK**

CHECKED BY: **CAC**

APPROVED BY:

SCALE: **1" = 40'**

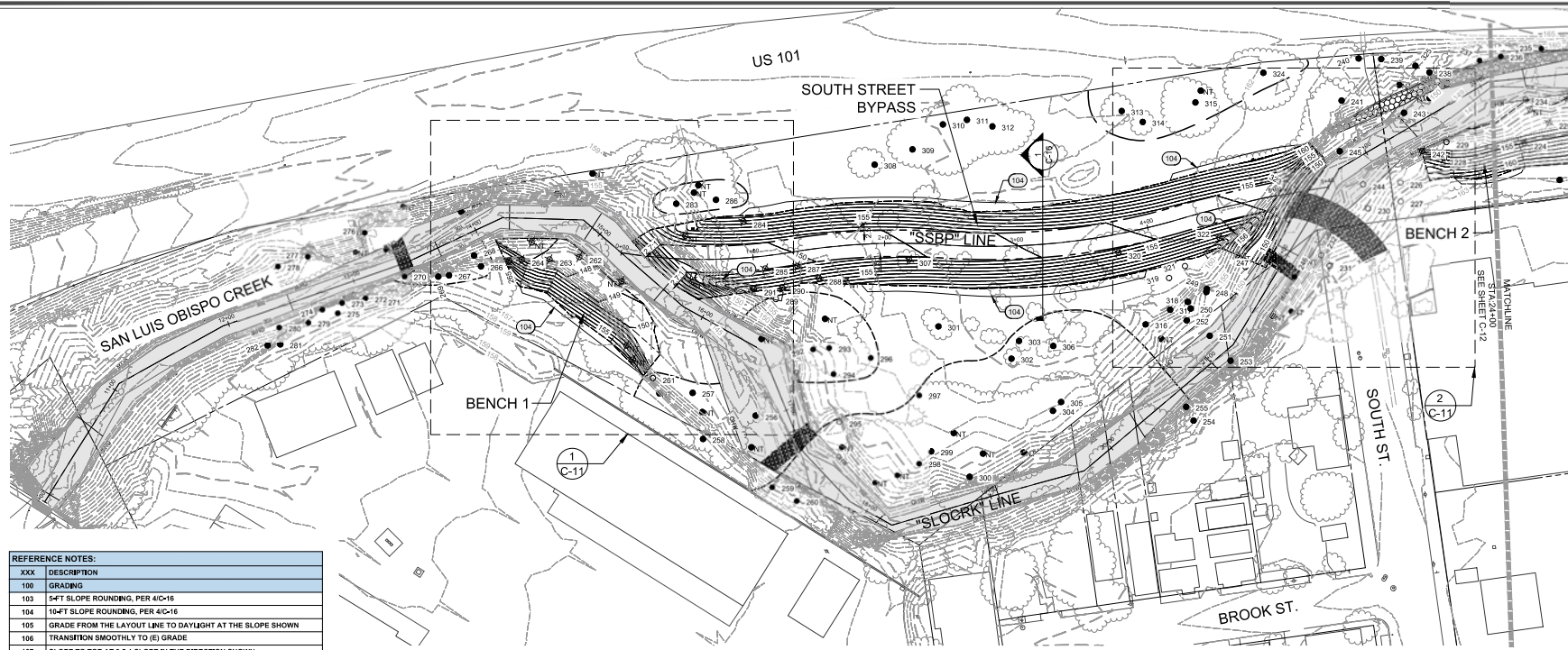
DATE: **6/11/2024**

CITY SPECIFICATION NO: **2006-49**

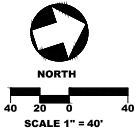
PLAN FILE NO./LOCATION: **0061-0091 GRAD5.dwg**

SHEET NO.

**C-10 of 65**

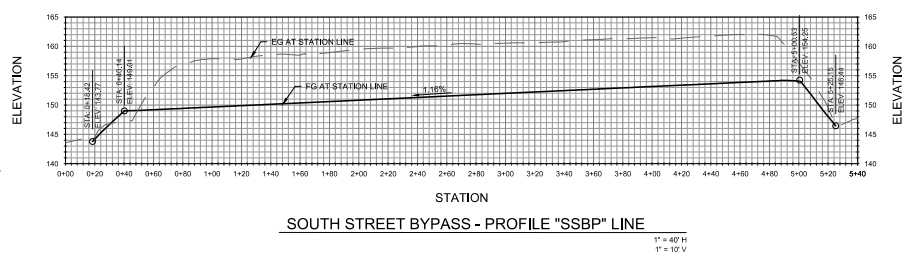


XXX	DESCRIPTION
106	GRADING
103	5-FT SLOPE ROUNDING, PER 4/C-16
104	10-FT SLOPE ROUNDING, PER 4/C-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
114	CLASS IV VEGETATED RSP 2.0' THICK
115	CLASS IV VEGETATED RSP 2.5' THICK
116	3' X 3' X 3' H BOULDER, PLACE AS DIRECTED AND PER 4/C-20
117	4' X 6' X 2' H BOULDER, PLACE AS DIRECTED AND PER 4/C-20
118	ROOTWAD PER 1/C-20
600	SITWORK
603	RECONSTRUCT FENCE (TYPE CL) PER CALTRANS STD A85
604	REMOVE BUILDING, SEE "A" SHEETS
607	TEMPORARY CONSTRUCTION ACCESS, PATH SHOWN IS SCHEMATIC. PROVIDE CONSTRUCTION PLAN TO BE APPROVED BY THE ENGINEER PRIOR TO GRADING IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 104. REGRADE TO PRECONSTRUCTION CONDITIONS, OR PER GRADING PLANS IN THE GRADING AREAS.
612	RELOCATE ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
635	RESET ROADSIDE SIGN (TWO METAL POST) PER CITY STD 7210, ON EXISTING POST
640	RESET ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
642	LOCATE AND EXPOSE (E) STORM DRAIN OUTFALL



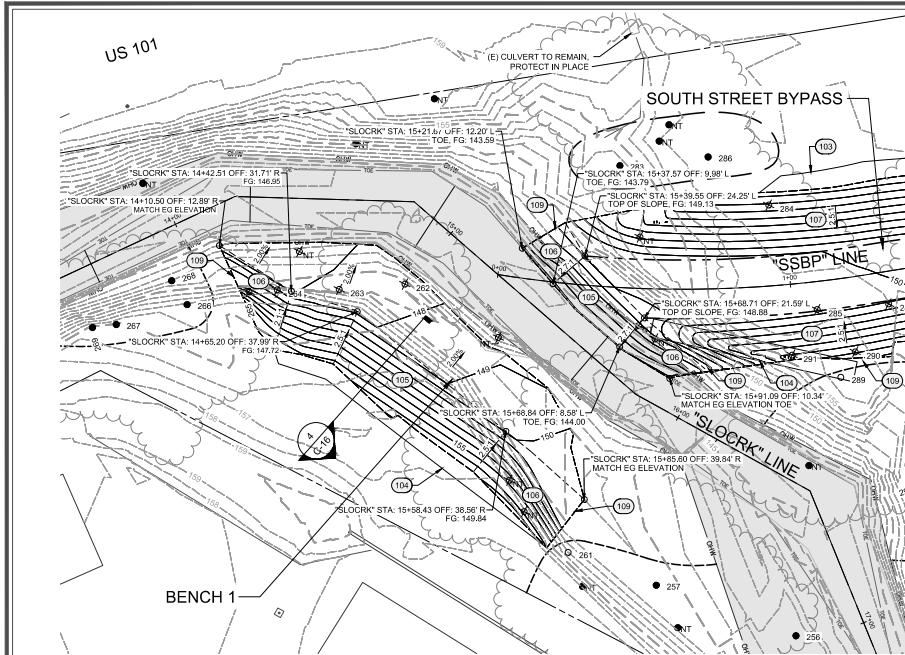
**LEGEND**

- 100 (E) TREE AND TAG NUMBER
- NT (E) TREE WITHOUT TAG
- 100 REMOVE (E) TREE
- 100 (E) TREE, SEE NOTE PER EXISTING TREE PLAN
- TEMPORARY HIGH VISIBILITY FENCE
- PROPOSED SURFACE GRADING LIMIT
- BYPASS CHANNEL TOE
- TOE OF SLOPE
- 150 FINISHED GRADE CONTOUR
- 150 (E) GRADE CONTOUR
- OHW ORDINARY HIGH WATER MARK LIMIT
- ORDINARY HIGH WATER (OHW)
- PROPOSED RSP
- (E) CONCRETE SACK WALL
- CREEK DEWATERING LIMITS
- PARCEL LINE FROM CITY GIS

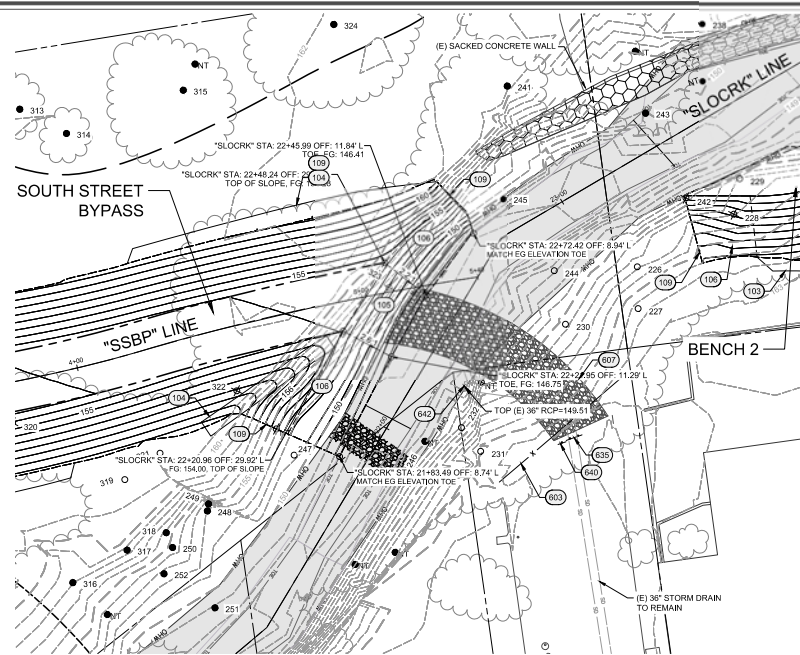


**SOUTH STREET BYPASS - PROFILE "SSBP" LINE**

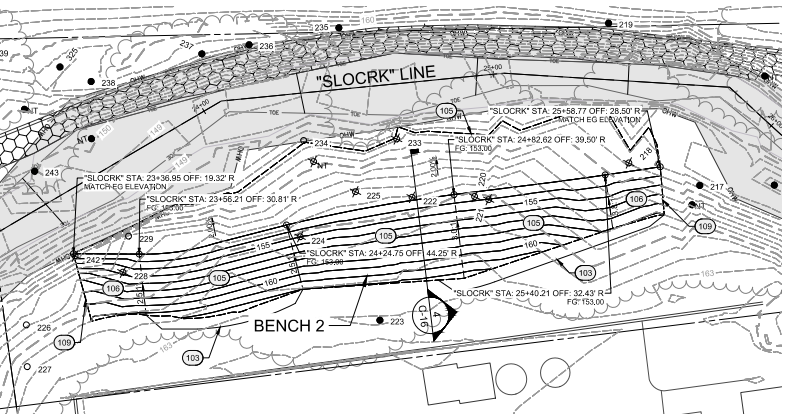
1" = 40' H  
1" = 10' V



**1**  
C-11 BENCH 1 AND SOUTH STREET BYPASS EXIT - GRADING DETAIL  
REFER TO SHEET C-17 FOR RSP DETAIL.



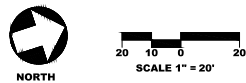
**2**  
C-11 SOUTH STREET BYPASS ENTRANCE - GRADING DETAIL  
REFER TO SHEET C-17 FOR RSP DETAIL.



**3**  
C-11 BENCH 2 - GRADING DETAIL  
REFER TO SHEET C-17 FOR RSP DETAIL.

XXX	DESCRIPTION
100	GRADING
103	5-FT SLOPE ROUNDING, PER 4/C-16
104	10-FT SLOPE ROUNDING, PER 4/C-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
114	CLASS IV VEGETATED RSP 3/2\"/>
115	CLASS IV VEGETATED RSP 2.5\"/>
116	3' X 3' X 3' H BOULDER, PLACE AS DIRECTED AND PER 4/C-20
117	4' X 6' X 2' H BOULDER, PLACE AS DIRECTED AND PER 4/C-20
118	ROOTWAD PER 1/C-20
600	SITWORK
603	RECONSTRUCT FENCE (TYPE CL) PER CALTRANS STD A85
604	REMOVE BUILDING, SEE "A" SHEETS
607	TEMPORARY CONSTRUCTION ACCESS, PATH SHOWN IS SCHEMATIC. PROVIDE CONSTRUCTION PLAN TO BE APPROVED BY THE ENGINEER PRIOR TO GRADING IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 163, REGRADE TO PRECONSTRUCTION CONDITIONS, OR PER GRADING PLANS IN THE GRADING AREAS.
612	RELOCATE ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
635	RESET ROADSIDE SIGN (TWO METAL POST) PER CITY STD 7210, ON EXISTING POST
640	RESET ROADSIDE SIGN (METAL POST) PER QTY STD 7210, ON EXISTING POST
642	LOCATE AND EXPOSE (E) STORM DRAIN OUTFALL

LEGEND	
● 100	(E) TREE AND TAG NUMBER
● NT	(E) TREE WITHOUT TAG
○ 100	REMOVE (E) TREE
○ 100	(E) TREE, SEE NOTE PER EXISTING TREE PLAN
---	TEMPORARY HIGH VISIBILITY FENCE
---	PROPOSED SURFACE GRADING LIMIT
---	BYPASS CHANNEL TOE
---	(E) TOE OF SLOPE
---	FINISHED GRADE CONTOUR
---	(E) GRADE CONTOUR
OHW	ORDINARY HIGH WATER MARK LIMIT
OHW	ORDINARY HIGH WATER (OHW)
---	PROPOSED RSP
---	(E) CONCRETE SACK WALL
---	CREEK DEWATERING LIMITS
---	PARCEL LINE FROM CITY GIS



**MID-HIGUERA BYPASS**  
**SOUTH STREET BYPASS CONNECTIONS**

DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 20'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **200649**  
 PLAN FILE NO./LOCATION: **0661-0091 GRAD.dwg**  
 SHEET NO.

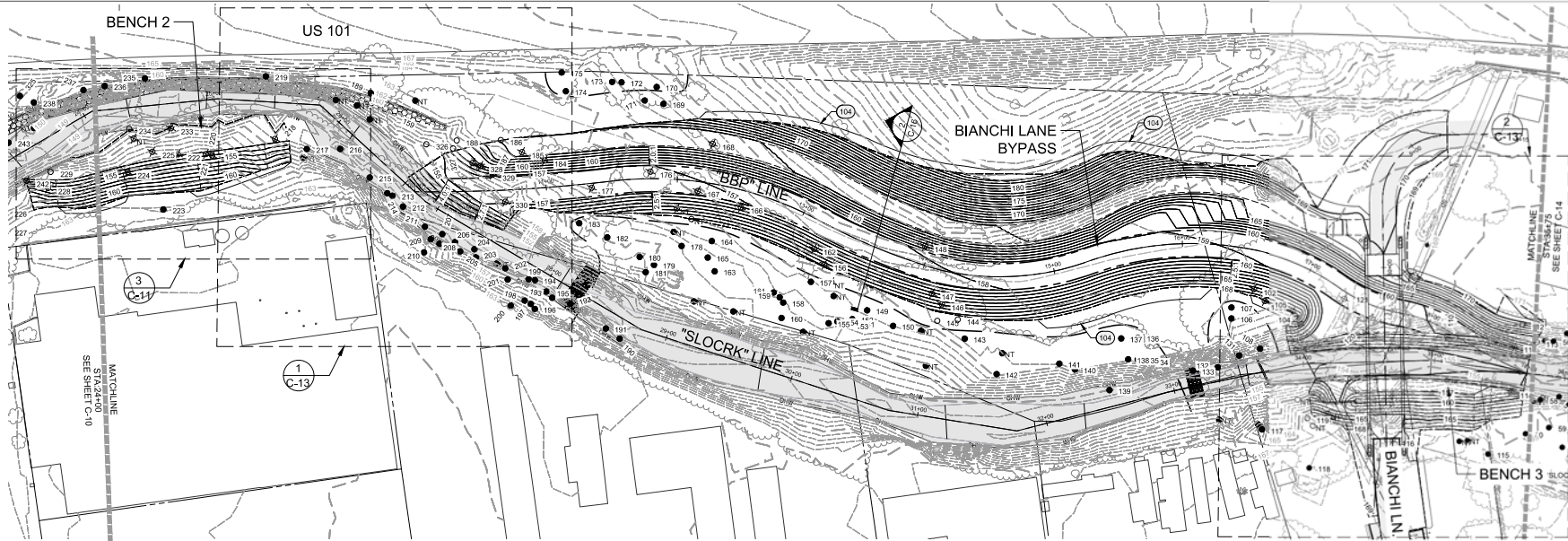


**MID-HIGUERA BYPASS**  
**BIANCHI LANE BYPASS PLAN & PROFILE**

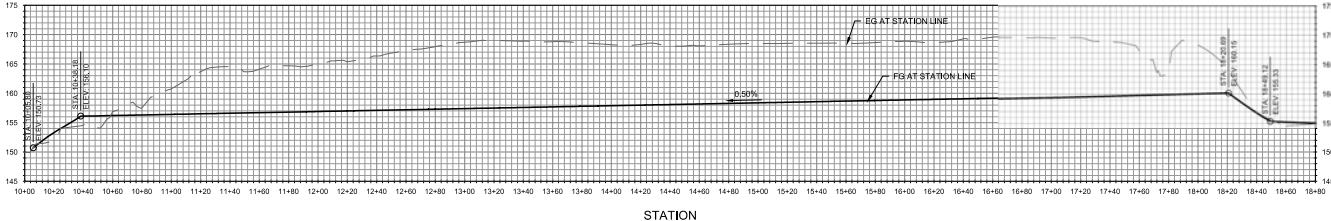
PROJECT TITLE:  
 SHEET TITLE:



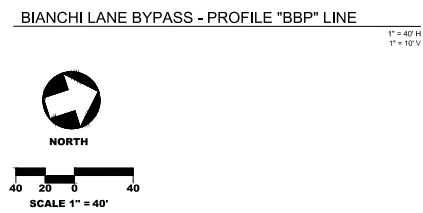
DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 40'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **2006649**  
 PLAN FILE NO./LOCATION: **0661-0091 GRAB.dwg**  
 SHEET NO.



REFERENCE NOTES:	
XXX	DESCRIPTION
100	GRADING
103	5-FT SLOPE ROUNDING, PER 4/C-16
104	10-FT SLOPE ROUNDING, PER 4/C-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
114	CLASS III VEGETATED RSP 2.0' THICK
115	CLASS IV VEGETATED RSP 2.5' THICK
116	3' X 6' X 3' H BOULDER, PLACE AS DIRECTED AND PER 4/C-20
117	4' X 6' X 2' H BOULDER, PLACE AS DIRECTED AND PER 4/C-20
118	ROOTWAD PER 1/C-20
600	SITWORK
603	RECONSTRUCT FENCE (TYPE CL) PER CALTRANS STD A85
604	REMOVE BUILDING, SEE "A" SHEETS
607	TEMPORARY CONSTRUCTION ACCESS, PATH SHOWN IS SCHEMATIC. PROVIDE CONSTRUCTION PLAN TO BE APPROVED BY THE ENGINEER PRIOR TO GRADING IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 16-4. REGRADE TO PRECONSTRUCTION CONDITIONS, OR PER GRADING PLANS IN THE GRADING AREAS.
612	RELOCATE ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
635	RESET ROADSIDE SIGN (TWO METAL POST) PER CITY STD 7210, ON EXISTING POST
640	RESET ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
642	LOCATE AND EXPOSE (E) STORM DRAIN OUTFALL



LEGEND	
● 100	(E) TREE AND TAG NUMBER
● NT	(E) TREE WITHOUT TAG
⊗ 100	REMOVE (E) TREE
○ 100	(E) TREE, SEE NOTE PER EXISTING TREE PLAN
---	TEMPORARY HIGH VISIBILITY FENCE
---	PROPOSED SURFACE GRADING LIMIT
---	BYPASS CHANNEL TOE
---	(E) TOE OF SLOPE
---	FINISHED GRADE CONTOUR
---	(E) GRADE CONTOUR
---	ORDINARY HIGH WATER MARK LIMIT
---	ORDINARY HIGH WATER (OHW)
---	PROPOSED RSP
---	(E) CONCRETE SACK WALL
---	CREEK DEWATERING LIMITS
---	PARCEL LINE FROM CITY GIS



BIANCHI LANE BYPASS - PROFILE "BBP" LINE

1" = 40' H  
 1" = 10' V



**MID-HIGUERA BYPASS**  
**BIANCHI LANE BYPASS CONNECTIONS**

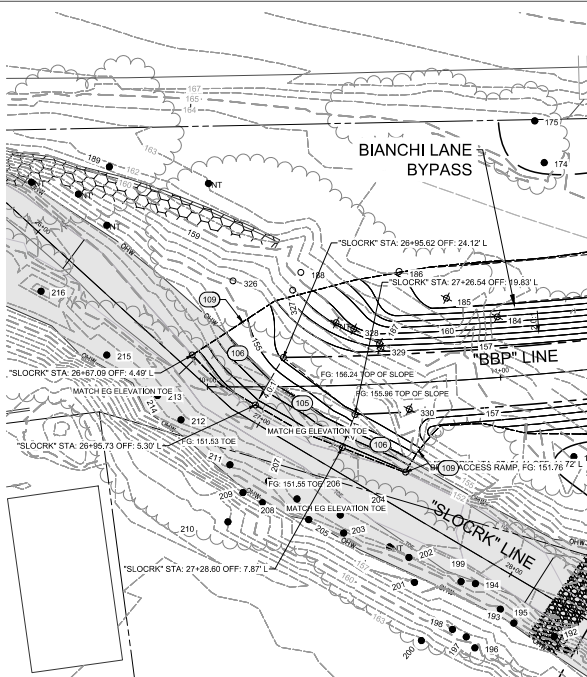
PROJECT TITLE

SHEET TITLE



DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 20'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **200649**  
 PLAN FILE NO./LOCATION: **0661-0091 GRAD.dwg**  
 SHEET NO.

**C-13 of 65**

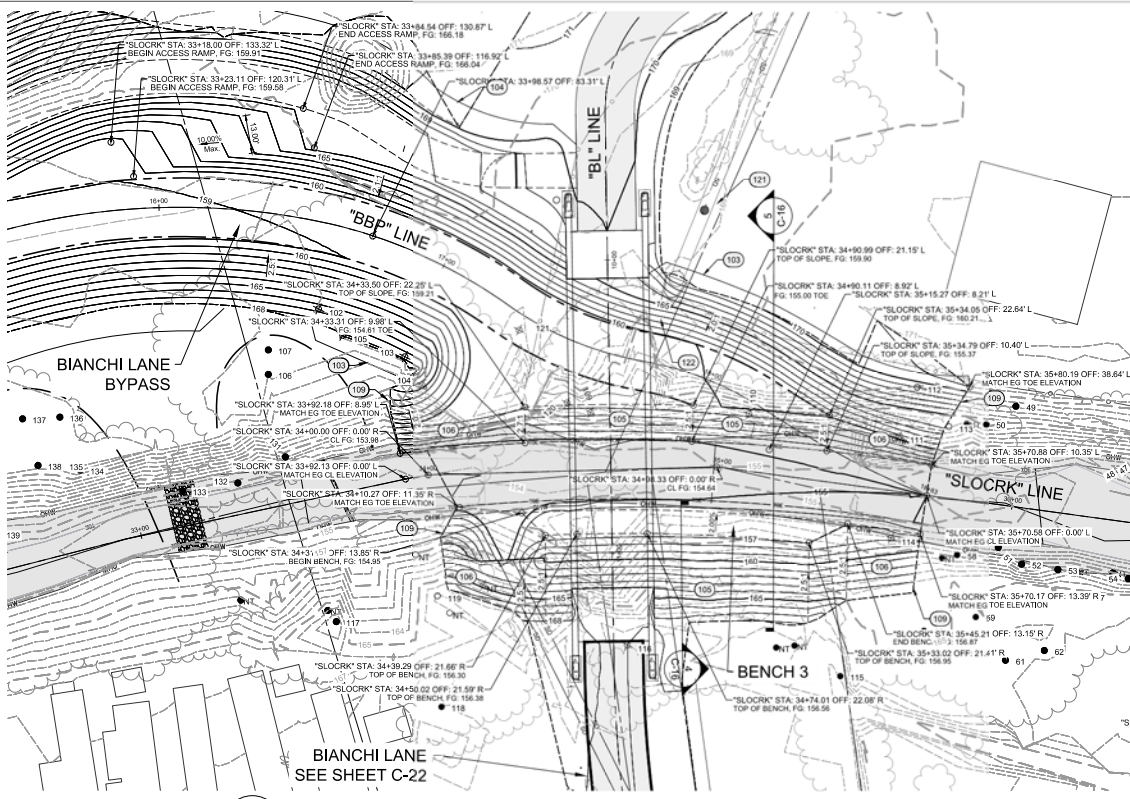
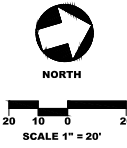


**1**  
**C-13** **BIANCHI LANE BYPASS EXIT - GRADING DETAIL**  
REFER TO SHEET C-16 FOR RSP DETAIL.

XXX	DESCRIPTION
100	GRADING
103	5-FT SLOPE ROUNDING, PER 4IC-16
104	10-FT SLOPE ROUNDING, PER 4IC-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
114	CLASS III VEGETATED RSP 2.0' THICK
115	CLASS IV VEGETATED RSP 2.0' THICK
120	OVER-EXCAVATE TO A DEPTH OF 6-INCHES AND PLACE TOPSOIL TO ACHIEVE FINISHED GRADE
121	GRADE 1' SUMP AT (N) GRATE INLET
122	FINISHED GRADE AT (N) CONCRETE FLARED END SECTION PER DETAIL, X SHEET C-30
600	NETWORK
604	REMOVE BUILDING, SEE "A" SHEETS

**LEGEND**

- 100 (E) TREE AND TAG NUMBER
- NT (E) TREE WITHOUT TAG
- ⊗ 100 REMOVE (E) TREE
- 100 (E) TREE, SEE NOTE PER EXISTING TREE PLAN
- TEMPORARY HIGH VISIBILITY FENCE
- PROPOSED SURFACE GRADING LIMIT
- BYPASS CHANNEL TOE
- TOE (E) TOE OF SLOPE
- 100 FINISHED GRADE CONTOUR
- 100 (E) GRADE CONTOUR
- OHW ORDINARY HIGH WATER MARK LIMIT
- ORDINARY HIGH WATER (OHW)
- PROPOSED RSP
- (E) CONCRETE SACK WALL
- CREEK DOWNSIDE LIMITS
- PARCEL LINE FROM CITY GIS



**2**  
**C-13** **BENCH 3 AND BIANCHI LANE BYPASS ENTRANCE - GRADING DETAIL**  
REFER TO SHEET C-16 FOR RSP DETAIL.



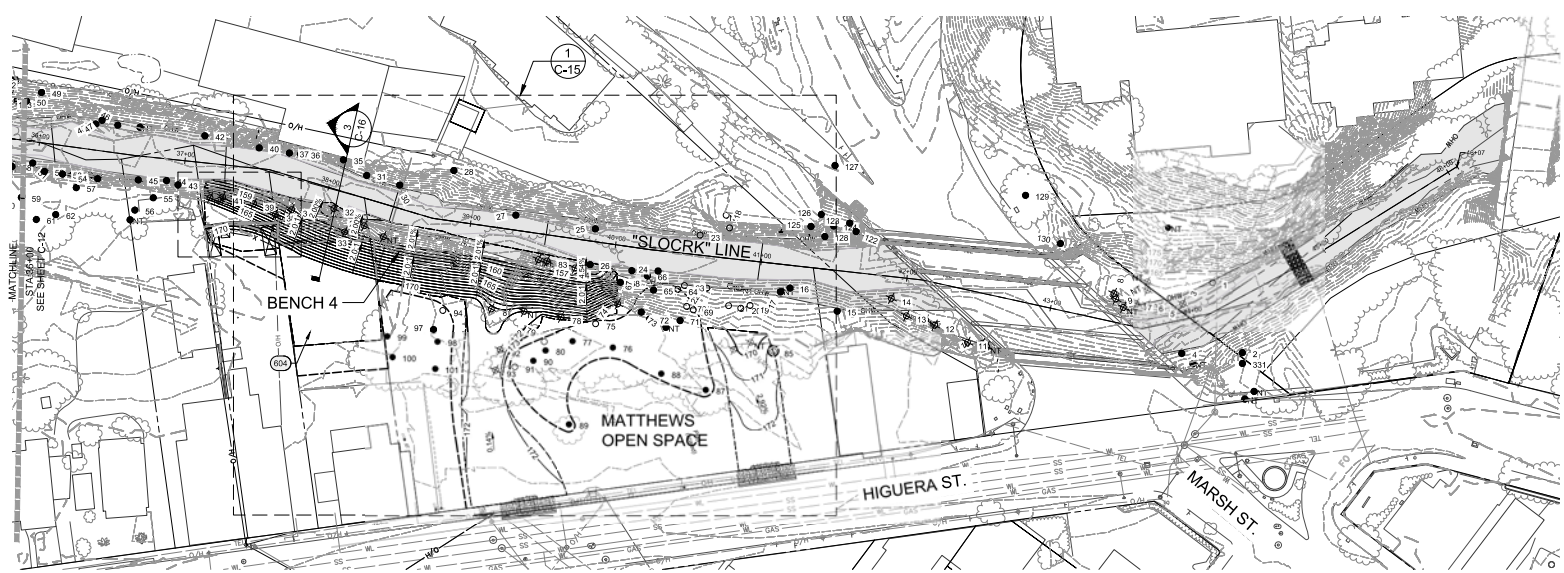
**MID-HIGUERA BYPASS**  
**BIANCHI LANE TO MARSH ST GRADING PLAN**

PROJECT TITLE

SHEET TITLE

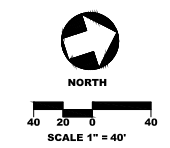


DESIGNED BY: VGH  
 DRAWN BY: CK  
 CHECKED BY: CAC  
 APPROVED BY:  
 SCALE: 1" = 40'  
 DATE: 6/11/2024  
 CITY SPECIFICATION NO: 200649  
 PLAN FILE NO./LOCATION: 0661-0081 GRAD.dwg  
 SHEET NO.



REFERENCE NOTES:	
XXX	DESCRIPTION
100	GRADING
103	5-FT SLOPE ROUNDING, PER 4IC-16
104	10-FT SLOPE ROUNDING, PER 4IC-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
114	CLASS III VEGETATED RSP 2.0' THICK
115	CLASS IV VEGETATED RSP 2.5' THICK
116	3' X 6' X 3' H BOULDER, PLACE AS DIRECTED AND PER 4IC-20
117	4' X 6' X 2' H BOULDER, PLACE AS DIRECTED AND PER 4IC-20
118	ROOTWAD PER 1IC-20
SITWORK	
600	RECONSTRUCT FENCE (TYPE CL) PER CALTRANS STD A85
604	REMOVE BUILDING, SEE "A" SHEETS
607	TEMPORARY CONSTRUCTION ACCESS, PATH SHOWN IS SCHEMATIC. PROVIDE CONSTRUCTION PLAN TO BE APPROVED BY THE ENGINEER PRIOR TO GRADING IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 163. REGRADE TO PRECONSTRUCTION CONDITIONS, OR PER GRADING PLANS IN THE GRADING AREAS.
612	RELOCATE ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
635	RESET ROADSIDE SIGN (TWO METAL POST) PER CITY STD 7210, ON EXISTING POST
640	RESET ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
642	LOCATE AND EXPOSE (E) STORM DRAIN OUTFALL

LEGEND	
● 100	(E) TREE AND TAG NUMBER
● NT	(E) TREE WITHOUT TAG
⊗ 100	REMOVE (E) TREE
○ 100	(E) TREE, SEE NOTE PER EXISTING TREE PLAN
---	TEMPORARY HIGH VISIBILITY FENCE
---	PROPOSED SURFACE GRADING LIMIT
---	BYPASS CHANNEL TOE
TOE	(E) TOE OF SLOPE
150	FINISHED GRADE CONTOUR
150	(E) GRADE CONTOUR
OHW	ORDINARY HIGH WATER MARK LIMIT
OHW	ORDINARY HIGH WATER (OHW)
[Pattern]	PROPOSED RSP
[Pattern]	(E) CONCRETE SACK WALL
[Pattern]	CREEK DEWATERING LIMITS
[Pattern]	PARCEL LINE FROM CITY GIS





**MID-HIGUERA BYPASS**  
**MATTHEWS OPEN SPACE GRADING**

PROJECT TITLE

SHEET TITLE



DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 20'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **200649**  
 PLAN FILE NO./LOCATION: **0061-0091 GRAD.dwg**  
 SHEET NO.

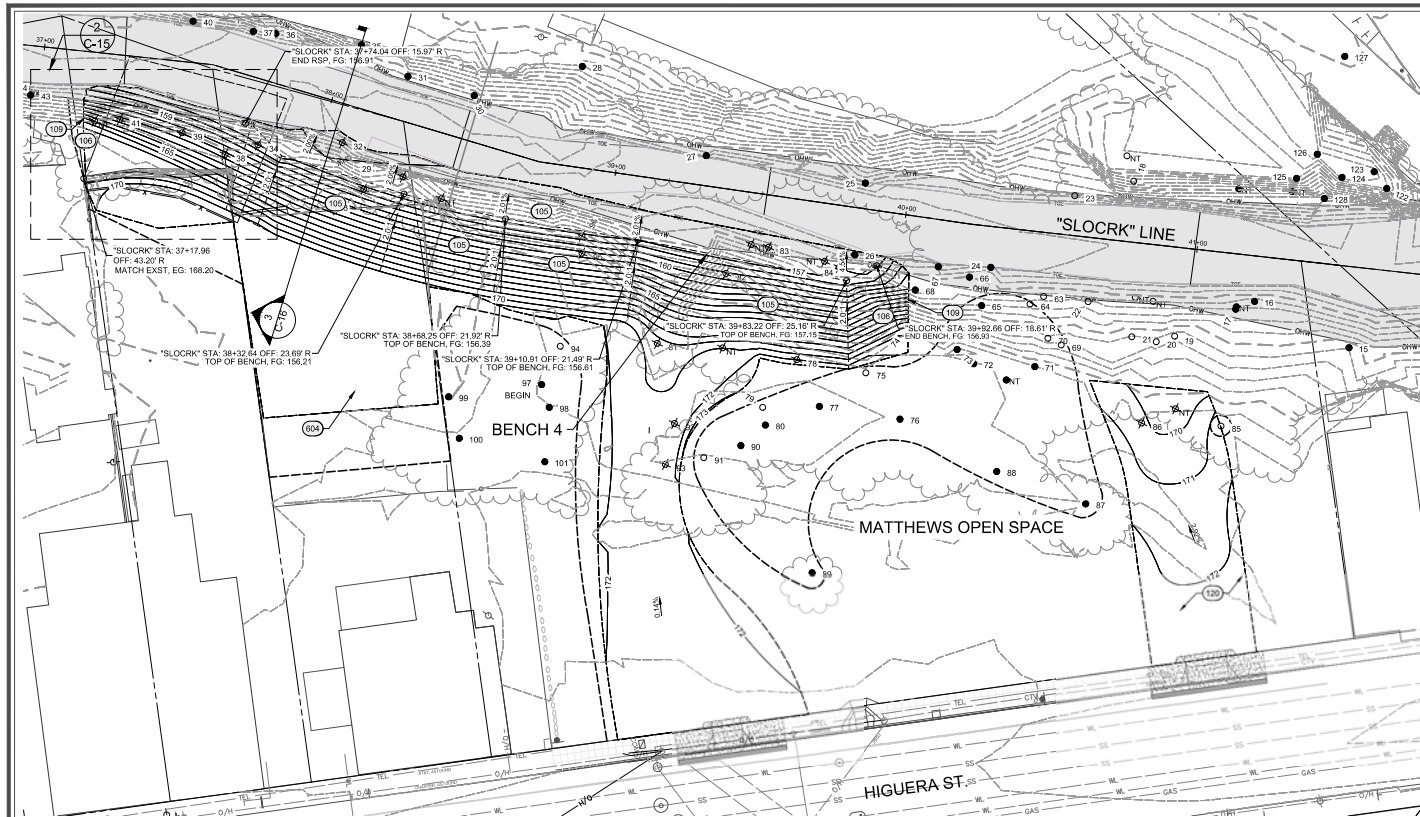
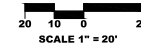
XXX	DESCRIPTION
100	GRADING
103	5-FT SLOPE ROUNDING, PER 4/C-16
104	10-FT SLOPE ROUNDING, PER 4/C-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
114	CLASS III VEGETATED RSP 2.0' THICK
115	CLASS IV VEGETATED RSP 2.5' THICK
120	OVER-EXCAVATE TO A DEPTH OF 6-INCHES AND PLACE TOPSOIL TO ACHIEVE FINISHED GRADE
121	GRADE 1' SUMP AT (N) GRADE INLET
122	FINISHED GRADE AT (N) CONCRETE FLARED END SECTION PER DETAIL X SHEET C-30
124	FOLLOWING BUILDING REMOVAL, GRADE PAD TO DRAIN TO CREEK
600	SIENWORK
603	RECONSTRUCT FENCE (TYPE CL) PER CALTRANS STD A85
604	REMOVE BUILDING, SEE "A" SHEETS
646	REMOVE (E) RAILROAD TIE RETAINING WALL AND CONCRETE RUBBLE
647	(E) RETAINING WALL TO REMAIN, PROTECT IN PLACE

**LEGEND**

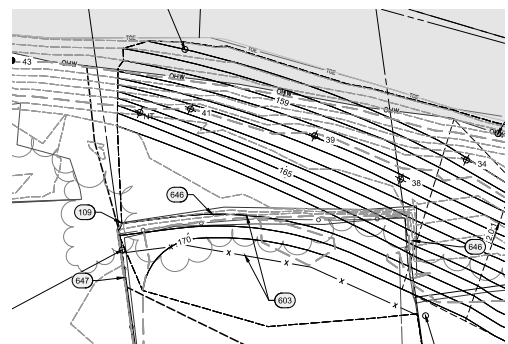
- 100 (E) TREE AND TAG NUMBER
- NT (E) TREE WITHOUT TAG
- ⊗ 100 REMOVE (E) TREE
- 100 (E) TREE, SEE NOTE PER EXISTING TREE PLAN
- TEMPORARY HIGH VISIBILITY FENCE
- - - PROPOSED SURFACE GRADING LIMIT
- BYPASS CHANNEL TOE
- TOE (E) TOE OF SLOPE
- 150 FINISHED GRADE CONTOUR
- 150 (E) GRADE CONTOUR
- OHW ORDINARY HIGH WATER MARK LIMIT
- ORDINARY HIGH WATER (OHW)
- PROPOSED RSP
- (E) CONCRETE SACK WALL
- CREEK DEWATERING LIMITS
- PARCEL LINE FROM CITY GIS



**NORTH**



**1**  
**C-15** **BENCH 4 AND MATTHEWS OPEN SPACE - RSP DETAIL**  
 REFER TO SHEET C-27 FOR UTILITY AND CIVIL IMPROVEMENTS AT MATTHEWS OPEN SPACE



**2**  
**C-15** **304 HIGUERA GRADING DETAIL**



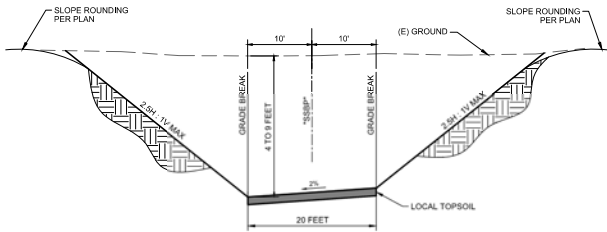
**MID-HIGUERA BYPASS  
GRADING DETAILS**

PROJECT TITLE

SHEET TITLE

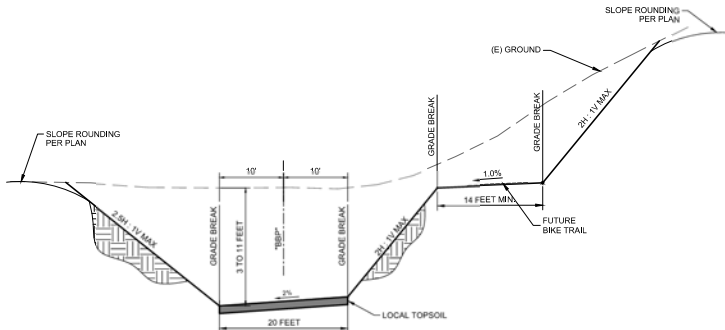


DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **AS SHOWN**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **200649**  
 PLAN FILE NO./LOCATION: **0661-0091 GRAD.dwg**  
 SHEET NO.



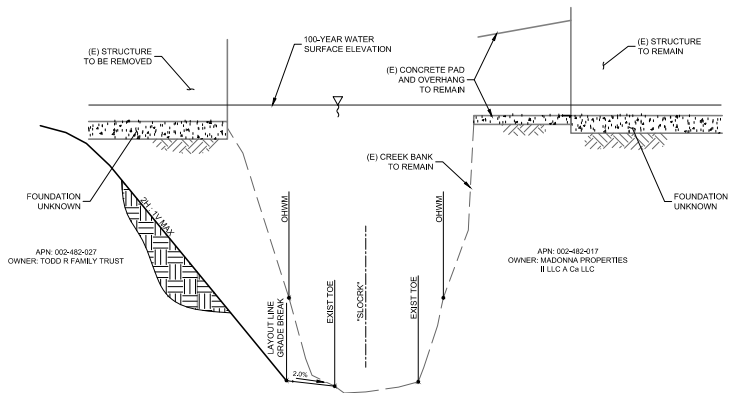
- NOTES:  
 1. COMPACT GRADED SURFACES TO 90% RELATIVE COMPACTION.  
 2. SLOPE ROUNDING IS NOT REQUIRED WHERE BEDROCK IS ENCOUNTERED.  
 3. OVER-EXCAVATE BOTTOM OF CHANNEL TO A DEPTH OF 6-INCHES AND PLACE TOPSOIL TO ACHIEVE FINISH GRADE.

**1 TYPICAL SOUTH STREET BYPASS CHANNEL GRADING**  
 REFERENCE SHEET C-10 SCALE: N.T.S.



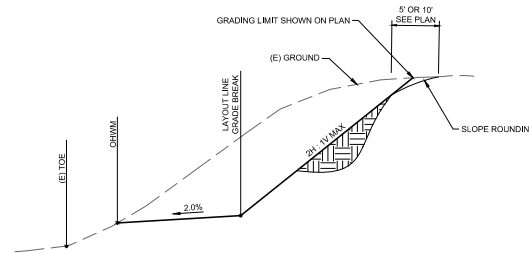
- NOTES:  
 1. COMPACT GRADED SURFACES TO 90% RELATIVE COMPACTION.  
 2. SLOPE ROUNDING IS NOT REQUIRED WHERE BEDROCK IS ENCOUNTERED.  
 3. OVER-EXCAVATE BOTTOM OF CHANNEL TO A DEPTH OF 6-INCHES AND PLACE TOPSOIL TO ACHIEVE FINISH GRADE.

**2 BIANCHI BYPASS CHANNEL AND FUTURE BIKE TRAIL GRADING**  
 REFERENCE SHEET C-12 SCALE: N.T.S.



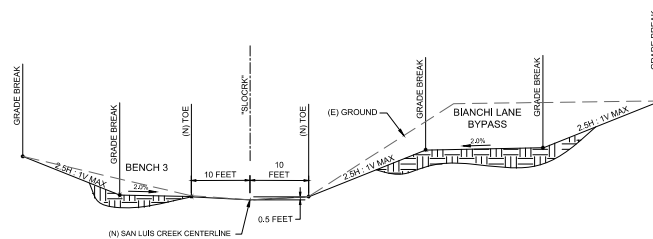
- NOTES:  
 1. COMPACT GRADED SURFACES TO 90% RELATIVE COMPACTION.  
 2. BUILDING FOUNDATIONS ARE SCHEMATIC ONLY. FOUNDATION TYPE AND PHYSICAL CONDITION UNKNOWN.

**3 TYPICAL SECTION AT BENCH 4**  
 REFERENCE SHEET C-14 SCALE: N.T.S.



- NOTES:  
 1. COMPACT GRADED SURFACES TO 90% RELATIVE COMPACTION.  
 2. SLOPE ROUNDING IS NOT REQUIRED WHERE BEDROCK IS ENCOUNTERED.

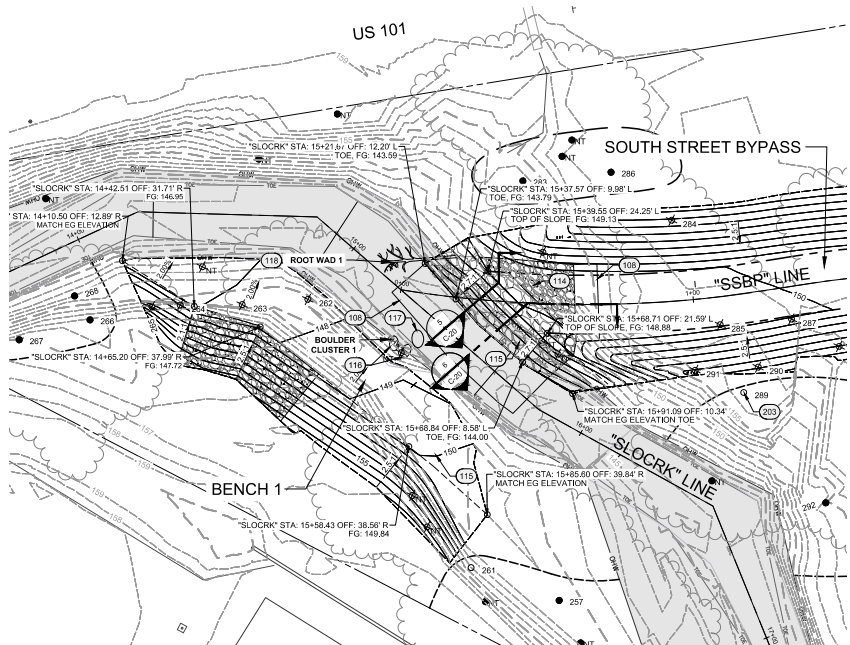
**4 TYPICAL BENCH GRADING AND SLOPE ROUNDING**  
 SCALE: N.T.S.



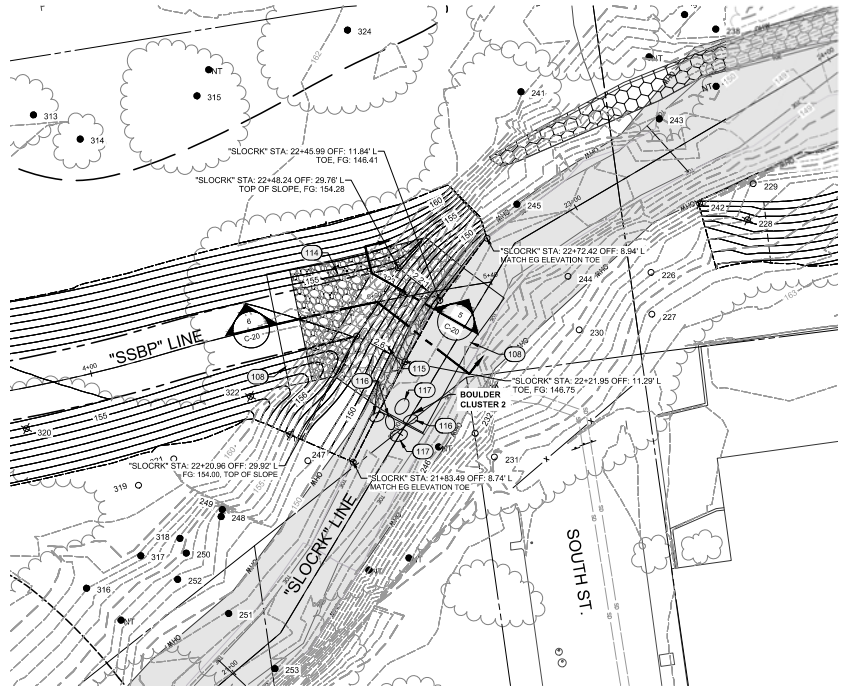
- NOTES:  
 1. COMPACT GRADED SURFACES TO 90% RELATIVE COMPACTION.

**5 SAN LUIS CREEK BED AT BIANCHI LANE BRIDGE, STA 33+92.13 TO 35+70.38**  
 REFERENCE SHEET C-13 Scale: N.T.S.



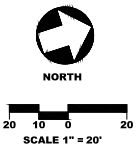


1 BENCH 1 AND SOUTH STREET BYPASS EXIT - RSP DETAIL  
C-17



2 SOUTH STREET BYPASS ENTRANCE - RSP DETAIL  
C-17

XXX	DESCRIPTION
100	GRADING
103	5-FT SLOPE ROUNDING, PER 4/C-16
104	10-FT SLOPE ROUNDING, PER 4/C-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
114	CLASS IV VEGETATED RSP 2.0' THICK
115	CLASS IV VEGETATED RSP 2.5' THICK
116	3' X 6' X 3' H BOULDER, PLACE AS DIRECTED AND PER 4/C-20
117	4' X 6' X 2' H BOULDER, PLACE AS DIRECTED AND PER 4/C-20
118	ROOTWAD PER 1/C-20
600	SITework
603	RECONSTRUCT FENCE (TYPE C1) PER CALTRANS STD A85
604	REMOVE BUILDING, SEE "A" SHEETS
607	TEMPORARY CONSTRUCTION ACCESS, PATH SHOWN IS SCHEMATIC, PROVIDE CONSTRUCTION PLAN TO BE APPROVED BY THE ENGINEER PRIOR TO GRADING IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 10-1, UPGRADE TO PRECONSTRUCTION CONDITIONS, OR PER GRADING PLANS IN THE GRADING AREAS.
612	RELOCATE ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
635	RESET ROADSIDE SIGN (TWO METAL POST) PER CITY STD 7210, ON EXISTING POST
640	RESET ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
642	LOCATE AND EXPOSE (E) STORM DRAIN OUTFALL



LEGEND	
● 100	(E) TREE AND TAG NUMBER
● NT	(E) TREE WITHOUT TAG
⊙ 100	REMOVE (E) TREE
○ 100	(E) TREE, SEE NOTE PER EXISTING TREE PLAN
---	TEMPORARY HIGH VISIBILITY FENCE
---	PROPOSED SURFACE GRADING LIMIT
---	BYPASS CHANNEL TOE
---	TOE (E) TOE OF SLOPE
---	150 FINISHED GRADE CONTOUR
---	150 (E) GRADE CONTOUR
---	OHW ORDINARY HIGH WATER MARK LIMIT
---	ORDINARY HIGH WATER (OHW)
---	PROPOSED RSP
---	(E) CONCRETE SACK WALL
---	CREEK DEWATERING LIMITS
---	PARCEL LINE FROM CITY GIS



MID-HIGUERA BYPASS  
 SOUTH STREET BYPASS RSP

PROJECT TITLE  
SHEET TITLE



DESIGNED BY: VGH  
 DRAWN BY: CK  
 CHECKED BY: CAC  
 APPROVED BY:  
 SCALE: 1" = 20'  
 DATE: 6/11/2024  
 CITY SPECIFICATION NO: 2006649  
 PLAN FILE NO./LOCATION: 0061-0091 GRAD.dwg  
 SHEET NO.



**MID-HIGUERA BYPASS**  
**BIANCHI LANE BYPASS RSP**

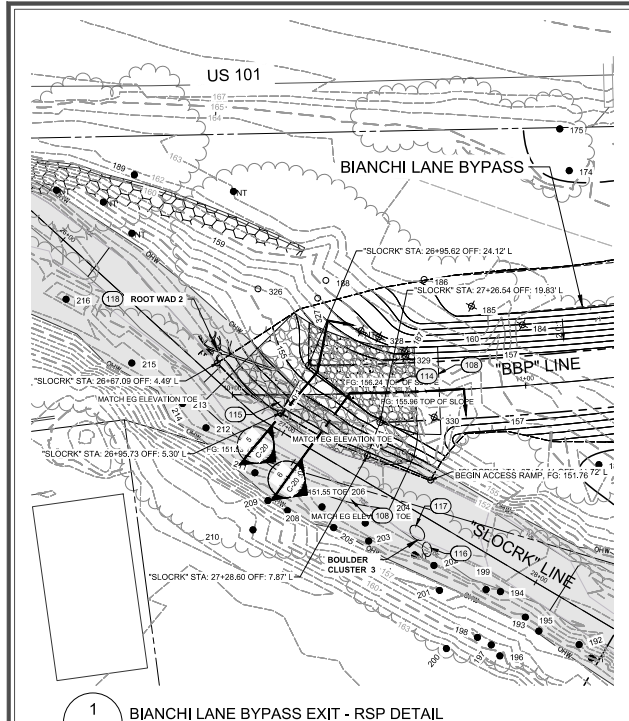
PROJECT TITLE

SHEET TITLE

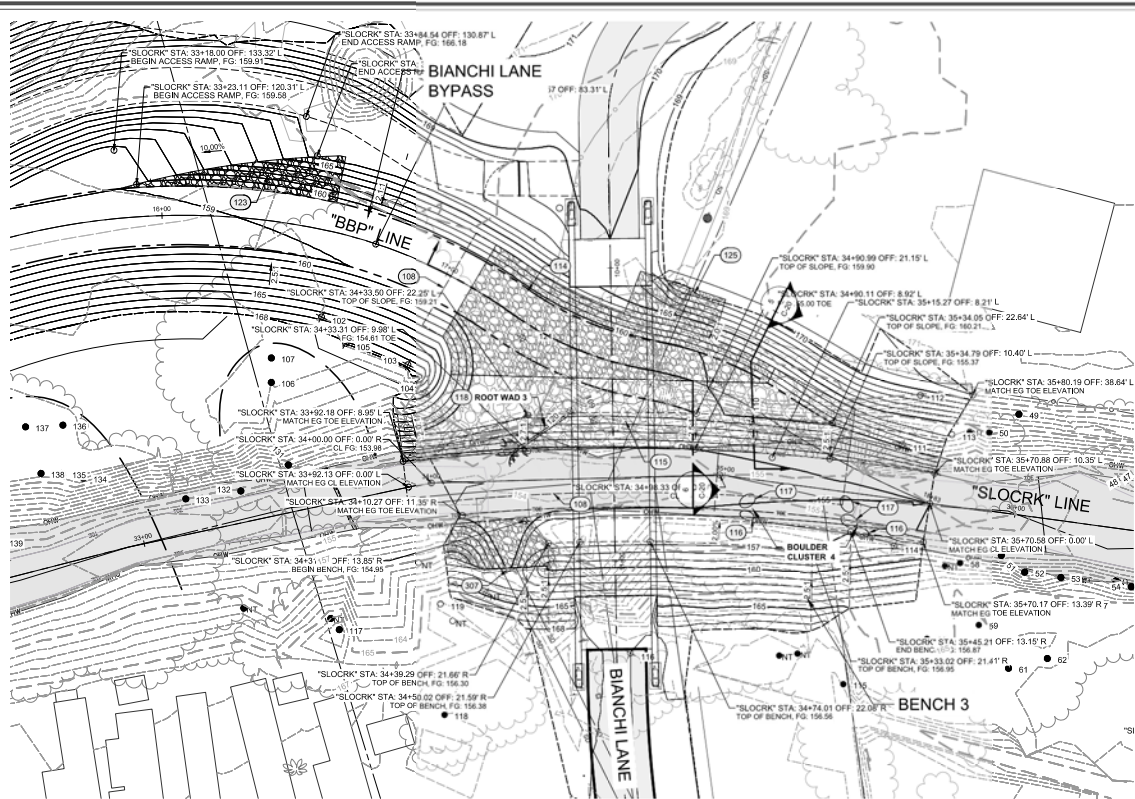


DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 20'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **200649**  
 PLAN FILE NO./LOCATION: **0661-00H1 GRAD.dwg**  
 SHEET NO.

**C-18 of 65**



**1**  
C-18  
**BIANCHI LANE BYPASS EXIT - RSP DETAIL**

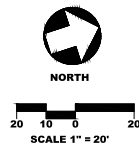


**2**  
C-18  
**BENCH 3 AND BIANCHI LANE BYPASS ENTRANCE - RSP DETAIL**

XXX	DESCRIPTION
100	GRAVING
103	5-FT SLOPE ROUNDING, PER 41C-16
104	10-FT SLOPE ROUNDING, PER 41C-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
114	CLASS III VEGETATED RSP 2.0' THICK
115	CLASS IV VEGETATED RSP 2.5' THICK
116	3' X 6' X 3' H BOULDER, PLACE AS DIRECTED AND PER 41C-20
117	4' X 6' X 2' H BOULDER, PLACE AS DIRECTED AND PER 41C-20
118	ROOTWAD PER 11C-20
123	CLASS III RSP 2.0' THICK, EXTEND TO 2' BELOW FINISHED SURFACE
125	RSP AT FLARED END SECTION PER DETAIL 3 SHEET C-31
300	STORM DRAIN
307	STORM DRAIN HEADWALL AND WINGWALLS PER CALTRANS STD D90 SHEET C-30 AND 11C-30 21C-30
600	STAKEWORK
603	RECONSTRUCT FENCE (TYPE CL) PER CALTRANS STD A85
604	REMOVE BUILDING, SEE "A" SHEETS
607	TEMPORARY CONSTRUCTION ACCESS, PATH SHOWN IS SCHEMATIC, PROVIDE CONSTRUCTION PLAN TO BE APPROVED BY THE ENGINEER PRIOR TO GRADING IN ACCORDANCE WITH SPECIAL PROVISIONS SECTION 16.3, REGRADE TO PRECONSTRUCTION CONDITIONS, OR PER GRADING PLANS IN THE GRADING AREAS.
612	RELOCATE ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
635	RESET ROADSIDE SIGN (TWO METAL POST) PER CITY STD 7210, ON EXISTING POST
640	RESET ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST

**LEGEND**

- 100 (E) TREE AND TAG NUMBER
- NT (E) TREE WITHOUT TAG
- ⊗ 100 REMOVE (E) TREE
- 100 (E) TREE, SEE NOTE PER EXISTING TREE PLAN
- TEMPORARY HIGH VISIBILITY FENCE
- PROPOSED SURFACE GRADING LIMIT
- BYPASS CHANNEL TOE
- TOE (E) TOE OF SLOPE
- 100 FINISHED GRADE CONTOUR
- 100 (E) GRADE CONTOUR
- OHW ORDINARY HIGH WATER MARK LIMIT
- OHW ORDINARY HIGH WATER (OHW)
- PROPOSED RSP
- (E) CONCRETE SACK WALL
- CREEK DEWATERING LIMITS
- PARCEL LINE FROM CITY GIS





**MID-HIGUERA BYPASS**

**BENCH 4 RSP**

PROJECT TITLE

SHEET TITLE



DESIGNED BY: VGH

DRAWN BY: CK

CHECKED BY: CAC

APPROVED BY:

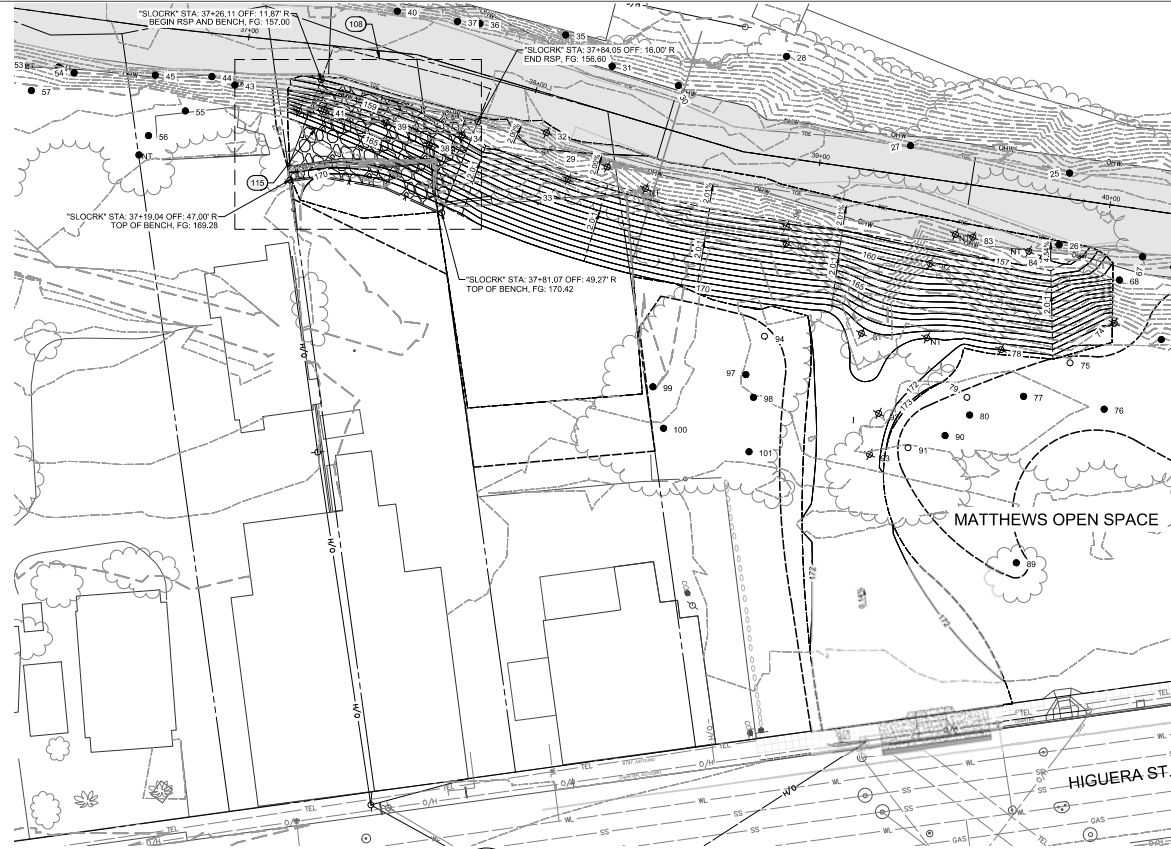
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DATE: 6/11/2024

CITY SPECIFICATION NO: 2006649

PLAN FILE NO. LOCATION: 0061-0091 GRAS.dwg

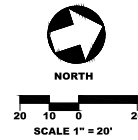
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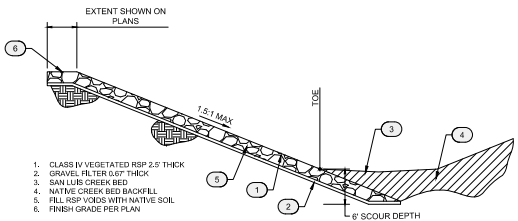
XXX	DESCRIPTION
100	GRADING
103	5:4T SLOPE ROUNDING, PER 4C-16
104	10:4T SLOPE ROUNDING, PER 4C-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
114	CLASS IV VEGETATED RSP 2.5' THICK
115	CLASS IV VEGETATED RSP 2.5' THICK
120	OVEREXCAVATE TO A DEPTH OF 6 INCHES AND PLACE TOPSOIL TO ACHIEVE FINISHED GRADE
121	GRADE 1' SUMP AT (N) GRATE INLET
122	FINISHED GRADE AT (N) CONCRETE FLARED END SECTION PER DETAIL X SHEET C-10
124	FOLLOWING BUILDING REMOVAL, GRADE PAD TO DRAIN TO CREEK
600	SITWORK
603	RECONSTRUCT FENCE (TYPE CL) PER CALTRANS STD A85
604	REMOVE BUILDING, SEE "A" SHEETS
646	REMOVE (E) RAILROAD TIE RETAINING WALL AND CONCRETE RUBBLE
647	(E) RETAINING WALL TO REMAIN, PROTECT IN PLACE

**LEGEND**

- 100 (E) TREE AND TAG NUMBER
- NT (E) TREE WITHOUT TAG
- ⊗ 100 REMOVE (E) TREE
- 100 (E) TREE, SEE NOTE PER EXISTING TREE PLAN
- TEMPORARY HIGH VISIBILITY FENCE
- - - PROPOSED SURFACE GRADING LIMIT
- BYPASS CHANNEL TOE
- TOE (E) TOE OF SLOPE
- 150 FINISHED GRADE CONTOUR
- 150 (E) GRADE CONTOUR
- OHW ORDINARY HIGH WATER MARK LIMIT
- ORDINARY HIGH WATER (OHW)
- PROPOSED RSP
- (E) CONCRETE SACK WALL
- CREEK DEWATERING LIMITS
- PARCEL LINE FROM CITY GIS



**1 BENCH 4 AND MATTHEWS OPEN SPACE - RSP DETAIL**  
 REFER TO SHEET C-27 FOR UTILITY AND CIVIL IMPROVEMENTS AT MATTHEWS OPEN SPACE



1. CLASS IV VEGETATED RSP 2.5' THICK
2. GRAVEL FILTER 60T" THICK
3. SAND LAYER CREEK BED
4. NATIVE CREEK BED BACKFILL
5. FILL RSP VOIDS WITH NATIVE SOIL
6. FINISH GRADE PER PLAN

NOTE: RSP THICKNESS IS MEASURED PERPENDICULAR TO SLOPE

**1 BENCH 4 RSP**  
 Scale: N.T.S.

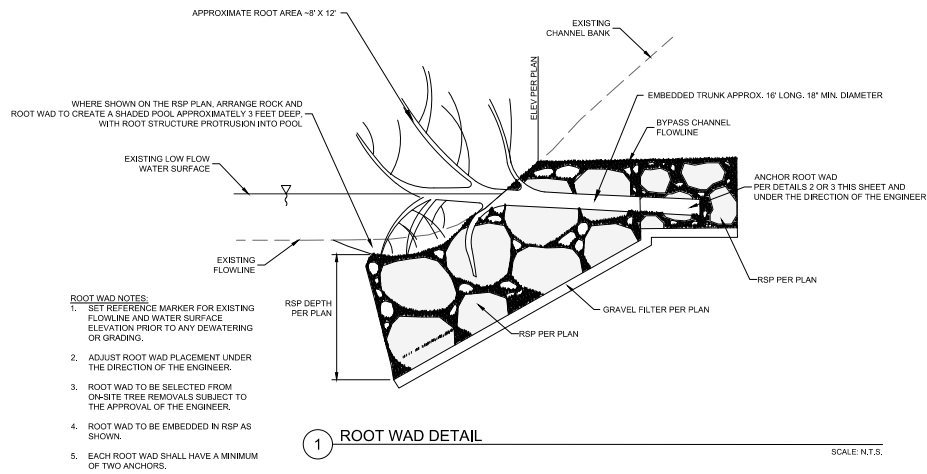


**MID-HIGUERA BYPASS  
RSP DETAILS**

PROJECT TITLE  
SHEET TITLE

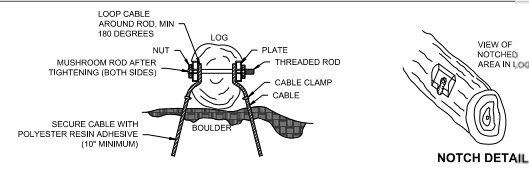


DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **AS SHOWN**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **200649**  
 PLAN FILE NO./LOCATION: **0061-0091 GRAB.dwg**  
 SHEET NO.

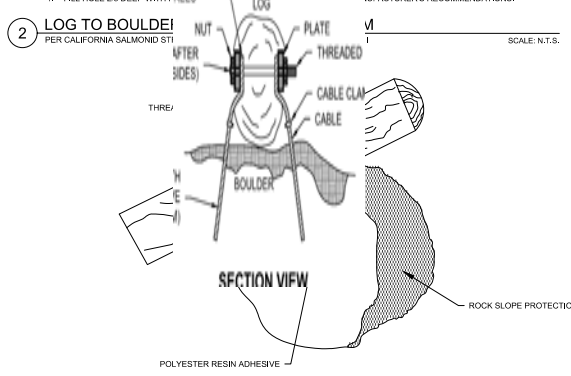


- ROOT WAD NOTES:**
1. SET REFERENCE MARKER FOR EXISTING FLOWLINE AND WATER SURFACE ELEVATION PRIOR TO ANY DEWATERING OR GRADING.
  2. ADJUST ROOT WAD PLACEMENT UNDER THE DIRECTION OF THE ENGINEER.
  3. ROOT WAD TO BE SELECTED FROM ON-SITE TREE REMOVALS SUBJECT TO THE APPROVAL OF THE ENGINEER.
  4. ROOT WAD TO BE EMBEDDED IN RSP AS SHOWN.
  5. EACH ROOT WAD SHALL HAVE A MINIMUM OF TWO ANCHORS.

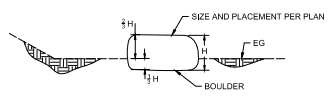
**1 ROOT WAD DETAIL** SCALE: N.T.S.



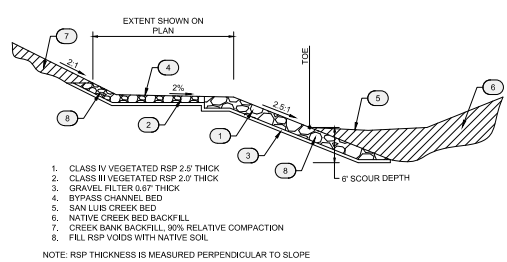
- NOTES:**
1. USE MINIMUM 5/8\" GALVANIZED STEEL CABLE OR GALVANIZED THREADED ROD. PULL CABLE TIGHT, AND CLEAN FREE OF GREASE OR OTHER CONTAMINANTS PRIOR TO ANCHORING.
  2. DRILL HOLE TO BE 1\" LONG AND NOT MORE THAN 1/8\" LARGER DIAMETER THAN THE CABLE. DRILL HOLES IN LINE WITH THE CABLE SO THAT THE CABLE DOES NOT HAVE SHARP BEND AT THE ENTRY.
  3. DRILL HOLES INTO DURABLE UNFRACTURED BEDROCK OR RSP. IN RSP, SELECT LARGER RSP BOULDERS OR BEDROCK THAT ARE DEEPER IN THE RSP LAYER.
  4. FILL HOLE 2/3 DEEP WITH POLYESTER ANCHORING EPOXY. FOLLOW THE MANUFACTURER'S RECOMMENDATIONS.



**2 LOG TO BOULDER** SCALE: N.T.S.

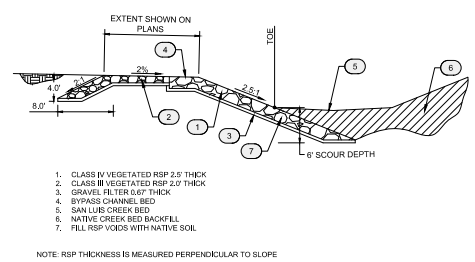


**4 BOULDER PLACEMENT SECTION** SCALE: N.T.S.



1. CLASS IV VEGETATED RSP 2.5\" THICK
  2. CLASS III VEGETATED RSP 2.0\" THICK
  3. GRAVEL FILTER 0.67\" THICK
  4. BYPASS CHANNEL BED
  5. SAN LUIS CREEK BED
  6. NATIVE CREEK BED BACKFILL
  7. CREEK BANK BACKFILL, 95% RELATIVE COMPACTION
  8. FILL RSP VOIDS WITH NATIVE SOIL
- NOTE: RSP THICKNESS IS MEASURED PERPENDICULAR TO SLOPE

**5 RSP AT BYPASS ENTRANCE/EXIT** Scale: N.T.S.



1. CLASS IV VEGETATED RSP 2.5\" THICK
  2. CLASS III VEGETATED RSP 2.0\" THICK
  3. GRAVEL FILTER 0.67\" THICK
  4. BYPASS CHANNEL BED
  5. SAN LUIS CREEK BED
  6. NATIVE CREEK BED BACKFILL
  7. FILL RSP VOIDS WITH NATIVE SOIL
- NOTE: RSP THICKNESS IS MEASURED PERPENDICULAR TO SLOPE

**6 RSP AT BYPASS ENTRANCE/EXIT FLOWLINE** Scale: N.T.S.



**MID-HIGUERA BYPASS  
BIANCHI LANE DEMOLITION PLAN**

PROJECT TITLE

SHEET TITLE



DESIGNED BY: VGH

DRAWN BY: CK

CHECKED BY: CAC

APPROVED BY:

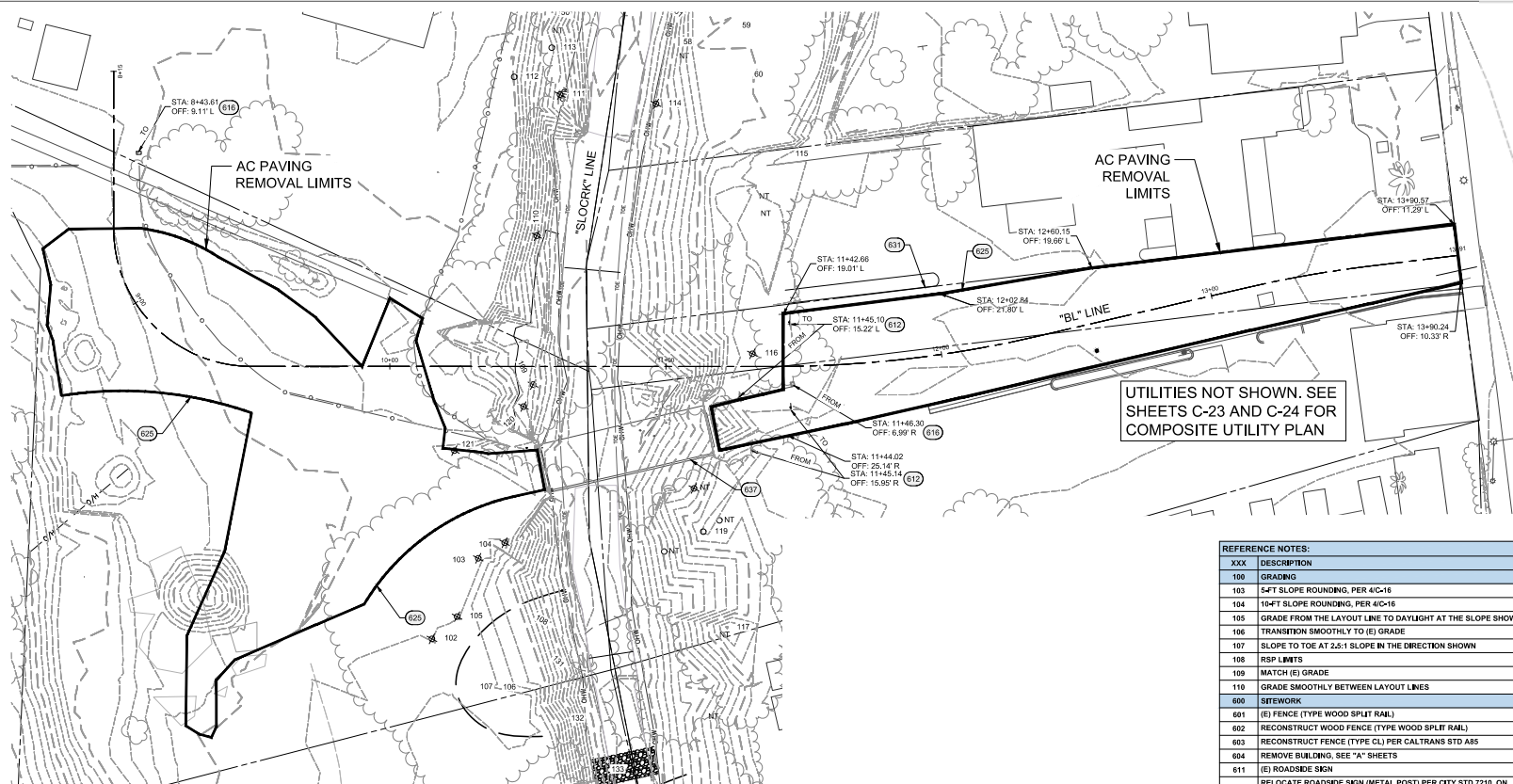
SCALE: 1" = 20'

DATE: 6/11/2024

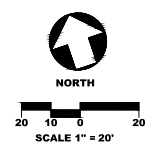
CITY SPECIFICATION NO: 200649

PLAN FILE NO./LOCATION: 0061-0081 GRAD.dwg

SHEET NO.



XXX	DESCRIPTION
100	GRADING
103	5-FT SLOPE ROUNDING, PER 4/C-16
104	10-FT SLOPE ROUNDING, PER 4/C-16
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
600	SITEWORK
601	(E) FENCE (TYPE WOOD SPLIT RAIL)
602	RECONSTRUCT WOOD FENCE (TYPE WOOD SPLIT RAIL)
603	RECONSTRUCT FENCE (TYPE CL) PER CALTRANS STD A85
604	REMOVE BUILDING, SEE "A" SHEETS
611	(E) ROADSIDE SKN
612	RELOCATE ROADSIDE SKN (METAL POST) PER CITY STD 7210, ON EXISTING POST
616	RELOCATE MAILBOX
621	4" THERMOPLASTIC TRAFFIC STRIPE, MATCH (E)
622	12" THERMOPLASTIC TRAFFIC STRIPE, MATCH (E)
624	(E) HMA PAVING TO REMAIN, MATCH AT JOINTS.
625	REMOVE BASE AND SURFACING, LIMITS SHOWN ARE APPROXIMATE, CONFIRM LIMITS WITH ENGINEER.
627	HMA PAVING PER CITY STD, 7110 (4" HMA OVER 7" CLASS 2 BASE OVER 10" CLASS 3 SUBBASE)
628	6" CLASS 2 AGGREGATE BASE, 95% RELATIVE COMPACTION
629	COMPACTED NATIVE, 95% RELATIVE COMPACTION
631	(E) CURB AND VALLEY GUTTER TO REMAIN
633	4' x 9" CONCRETE SLAB FOR CRASH CUSHION PER 5/C-28
634	QUADGUARD # CRASH CUSHION, SINGLE BAY, 24"INCH WIDE, TENSION STRUT BACKUP
637	REMOVE (E) BRIDGE, ABUTMENTS, AND WING WALLS
643	(N) POLE PER 6/C-28
644	(N) 12" MANUAL SINGLE SWING BARRIER GATE WITH RECEIVER POST, SENTINEL 14010-12 OR APPROVED EQUAL.
645	(N) SWING GATE BARRIER RECEIVER POST, SENTINEL 14030R OR APPROVED EQUAL.





MID-HIGUERA BYPASS

BIANCHI LANE PLAN & PROFILE

PROJECT TITLE

SHEET TITLE



DESIGNED BY: VGH

DRAWN BY: CK

CHECKED BY: CAC

APPROVED BY:

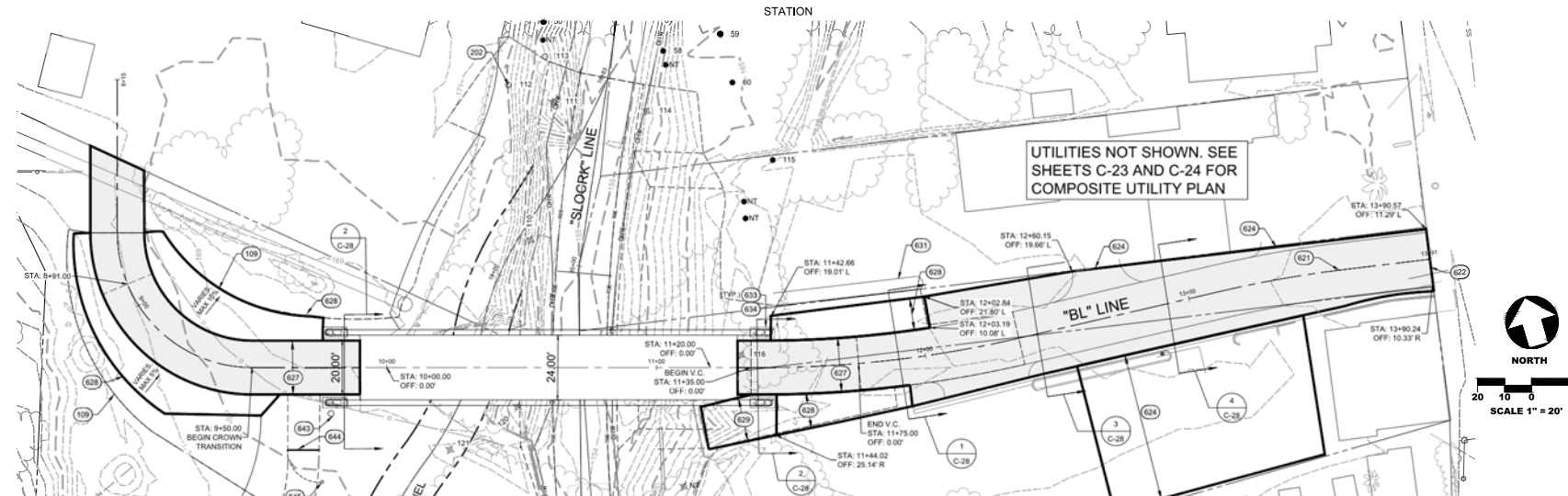
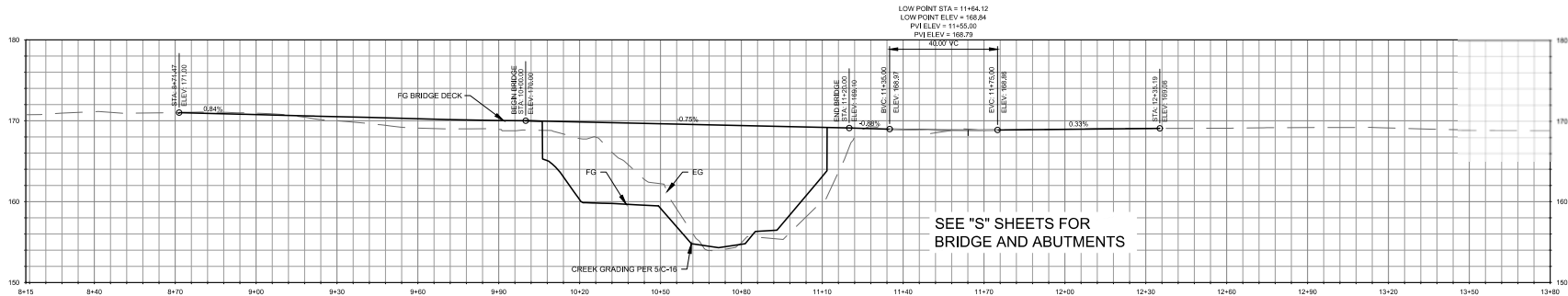
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DATE: 6/11/2024

CITY SPECIFICATION NO: 200649

PLAN FILE NO./LOCATION: 0061-0081 GRAD.dwg

SHEET NO.



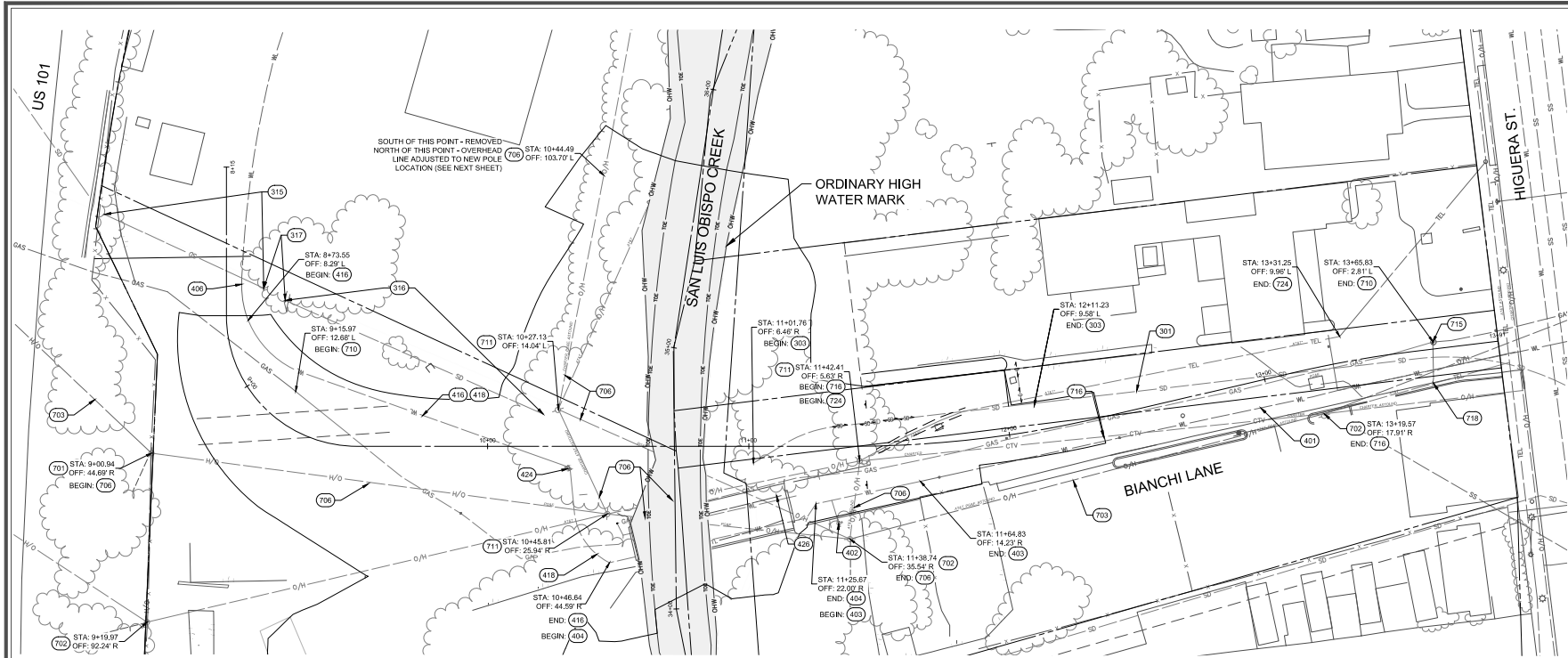
**REFERENCE NOTES:**

XXX	DESCRIPTION
190	GRADING
103	3:4% SLOPE ROUNDING, PER 41C-18
104	10:4% SLOPE ROUNDING, PER 41C-18
105	GRADE FROM THE LAYOUT LINE TO DAYLIGHT AT THE SLOPE SHOWN
106	TRANSITION SMOOTHLY TO (E) GRADE
107	SLOPE TO TOE AT 2.5:1 SLOPE IN THE DIRECTION SHOWN
108	RSP LIMITS
109	MATCH (E) GRADE
110	GRADE SMOOTHLY BETWEEN LAYOUT LINES
600	SITework
601	(E) FENCE (TYPE WOOD SPLIT RAIL)
602	RECONSTRUCT WOOD FENCE (TYPE WOOD SPLIT RAIL)
603	RECONSTRUCT FENCE (TYPE CL) PER CALTRANS STD A85
604	REMOVE B.B.B.SIGN, SEE "A" SHEETS
611	(E) ROADSIDE SIGN
612	RELOCATE ROADSIDE SIGN (METAL POST) PER CITY STD 7210, ON EXISTING POST
616	RELOCATE MAILBOX
621	4" THERMOPLASTIC TRAFFIC STRIPE, MATCH (E)
622	12" THERMOPLASTIC TRAFFIC STRIPE, MATCH (E)

624	(E) HMA PAVING TO REMAIN, MATCH AT JOINTS.
625	REMOVE BASE AND SURFACING. LIMITS SHOWN ARE APPROXIMATE. CONFIRM LIMITS WITH ENGINEER.
627	HMA PAVING PER CITY STD. 7110 (4" HMA OVER 7" CLASS 2 BASE OVER 10" CLASS 3 SUBBASE)
628	1" CLASS 2 AGGREGATE BASE, 95% RELATIVE COMPACTION
629	COMPACTED NAT'L, 95% RELATIVE COMPACTION
631	(E) CURB AND VALLEY GUTTER TO REMAIN
633	4' x 9" CONCRETE SLAB FOR CRASH CUSHION PER SIC-28
634	QUADGUARD # CRASH CUSHION, SINGLE BAY, 24-INCH WIDE, TENSION STRUT BACKUP
637	REMOVE (E) BRIDGE, ABUTMENTS, AND WING WALLS
643	(N) POLE PER SIC-28
644	(N) 12' MANUAL SINGLE SWING BARRIER GATE WITH RECEIVER POST, SENTINEL 14010-12 OR APPROVED EQUAL
645	(N) SWING GATE BARRIER RECEIVER POST, SENTINEL 14030R OR APPROVED EQUAL

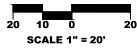


**MID-HIGUERA BYPASS**  
**BIANCHI LANE UTILITY PLAN - EXISTING**



**EXISTING UTILITIES AND DEMOLITION PLAN**

Scale: 1" = 20'



**LEGEND:**

	(E) OVERHEAD UTILITY LINE LOCATION
	(E) UNDERGROUND CABLE TELEVISION LINE
	(E) UNDERGROUND TELEPHONE LINE
	PROPOSED GRADING LIMIT
	PARCEL LINE FROM CITY GIS
	BYPASS CHANNEL TOE
	(E) TOE OF SLOPE
	ORDINARY HIGH WATER MARK (OHW)
	ORDINARY HIGH WATER MARK LIMIT
	PROPOSED STORM DRAIN
	PROPOSED SEWER
	PROPOSED WATER
	PROPOSED GAS
	PROPOSED OVERHEAD LINE
	PROPOSED UNDERGROUND TELEPHONE LINE
	PROPOSED UNDERGROUND CABLE LINE
	(E) GRAVITY SEWER LINE
	(E) WATER LINE
	(E) UNDERGROUND GAS LINE

**REFERENCE NOTES:**

XXX	DESCRIPTION
300	STORM DRAIN
301	(E) 54" RCP STORM DRAIN TO REMAIN
302	(N) 84" STORM DRAIN MANHOLE PER CITY STD. 3510, CONNECT TO (E) 54" RCP STORM DRAIN, VERIFY ELEVATION OF (E) 54" RCP PRIOR TO INSTALLING DOWNSTREAM PIPE.
303	REMOVE (E) STORM DRAIN (54" RCP)
304	(N) 54" RCP STORM DRAIN
305	ROCK SLOPE PROTECTION AT STORM DRAIN OUTLET PER 3/C-30
307	STORM DRAIN HEADWALL AND WINGWALLS PER CALTRANS STD 090 SHEET C-39 AND 10-C-39 2/2-39
308	STORM DRAIN HEADWALL PER CALTRANS STD D90 SHEET C-28, TOP OF WALL ELEV 172.3'
309	(N) 48" HDPE SD, SLURRY BACKFILL
310	(N) 48"x48"x24" HDPE TEE
311	(N) 24" HDPE RISER AND 24" TRAFFIC RATED GRATE INLET, TOP OF GRATE ELEV 187.9'
312	(N) 48" RCP SD
313	(N) CONCRETE PIPE COLLAR
314	(N) 48" RCP FLARED END SECTION.
315	REMOVE (E) STORM DRAIN (48" CMP, 32" STEEL)
316	REMOVE (E) STORM DRAIN (24" HDPE, 18" CMP)
317	REMOVE (E) STORM DRAIN HEADWALL (ROCK AND SACK CONCRETE)
400	WATER SYSTEM
401	(E) 6" PVC WL TO REMAIN
402	REMOVE (E) FIRE HYDRANT ASSEMBLY
403	REMOVE (E) 6" PVC WL
404	REMOVE (E) 2" WATER SERVICE LATERAL AND 4" CI CASING UNDER (E) BRIDGE
405	FIRE HYDRANT ASSEMBLY PER CITY STD 6310

406	(E) 2" WATER SERVICE TO REMAIN
407	CONNECT TO (E) 6" PVC WL
408	(N) DUCTILE IRON 22.5 DEGREE ELBOW
409	(N) 6" DP WL ATTACHED TO BRIDGE - SEE SHEET S-6 FOR PIPE SUPPORT BRACKET
410	(N) DUCTILE IRON 11.25 DEGREE ELBOW
411	(N) 6" PVC WL
412	CONNECT TO (E) 2" WATER SERVICE, PER CITY STD 6220, VERIFY LOCATION.
413	(N) WATERLINE AT CRASH CUSHION CONCRETE PAD PER 2/C-25
414	3/4" (N) WATER SERVICE AND METER PER CITY STD, 6210
415	1" QUICK COUPLER VALVE AND BOX PER CITY STD 6630
416	REMOVE (E) 2" WATER SERVICE, PROVIDE TEMPORARY SERVICE DURING CONSTRUCTION
417	IRRIGATION SERVICE ASSEMBLY PER CITY STD 8560
418	APPROXIMATE LOCATION OF (E) 2" SERVICE LINE, VERIFY LOCATION.
419	6" DUCTILE IRON FORCE BALANCED FLEXIBLE EXPANSION JOINT, RATED FOR 8" LINEAR EXPANSION
420	6" DUCTILE IRON FORCE BALANCED LINEAR EXPANSION JOINT, RATED FOR 9" LINEAR EXPANSION
421	6" DUCTILE IRON 45 DEGREE ELBOW, ROTATE AS NEEDED TO ACHIEVE HORIZONTAL CLEARANCE FROM CRASH CUSHION PAD PER 2/C-25.
422	CONNECT TO (E) 6" PVC WATERLINE, PER CITY STD 6210.
423	(E) FIRE HYDRANT TO REMAIN
424	REMOVE (E) 2" WATER METER, VERIFY LOCATION.
425	STUB OUT (N) 6" PVC, (N) 6" END CAP AND THRUST BLOCK
426	(E) ABANDONED 6" CI WATERLINE UNDER BRIDGE, CONFORM WATERLINE IS NOT ACTIVE, AND REMOVE.
427	(N) 6" WATER VALVE AND WELL PER CITY STD, 6340
428	1 INCH COMBINATION AIR VALVE PER 3/C-25
429	CUT AND CAP (E) WATER SERVICE, REMOVE (E) WATER SERVICE LATERAL, WITHIN LIMITS OF GRADING, PIPE MATERIAL AND SIZE UNKNOWN.

XXX	DESCRIPTION
600	SITWORK
638	(N) DRIVEWAY RAMP PER CITY STD 2110 (MODIFIED) PER DETAILS 1&2-C-27
700	UTILITIES
701	(E) UTILITY POLE TO REMAIN
702	(E) UTILITY POLE AND GUY TO REMAIN
703	(E) OVERHEAD (OH) UTILITY LINE TO REMAIN
706	(E) OVERHEAD LINE TO BE REMOVED AND RELOCATED BY OTHERS
707	(N) UTILITY POLE BY OTHERS
709	(N) GAS LINE IN BIANCHI LANE AND UNDERNEATH SAN LUIS OBISPO CREEK BY OTHERS.
710	(E) GAS LINE TO BE RELOCATED BY OTHERS
711	(E) UTILITY POLE TO BE REMOVED AND RELOCATED BY OTHERS
712	(N) OVERHEAD UTILITY LINES BY OTHERS
715	(E) GAS VALVE TO REMAIN
716	(E) UNDERGROUND CABLE LINE TO BE REMOVED BY OTHERS
718	(E) UNDERGROUND TELEPHONE LINE TO REMAIN
719	(E) UNDERGROUND CABLE LINE TO REMAIN
720	REMOVE (E) SEPTIC SYSTEM
721	(N) UNDERGROUND TELEPHONE LINE BY OTHERS
722	(N) OVERHEAD CABLE LINE BY OTHERS
723	(E) UNDERGROUND COMMUNICATION LINES TO REMAIN
724	(E) UNDERGROUND TELEPHONE LINE TO BE RELOCATED BY OTHERS
725	CUT AND CAP (E) ELECTRICAL SERVICE, REMOVE (E) CONDUIT WITHIN LIMITS OF GRADING, MATERIAL AND SIZE UNKNOWN

PROJECT TITLE

SHEET TITLE



DESIGNED BY: VGH

DRAWN BY: CK

CHECKED BY: CAC

APPROVED BY:

SCALE: 1" = 20'

DATE: 6/11/2024

CITY SPECIFICATION NO: 2090649

PLAN FILE NO.: LOCATION

SHEET NO.



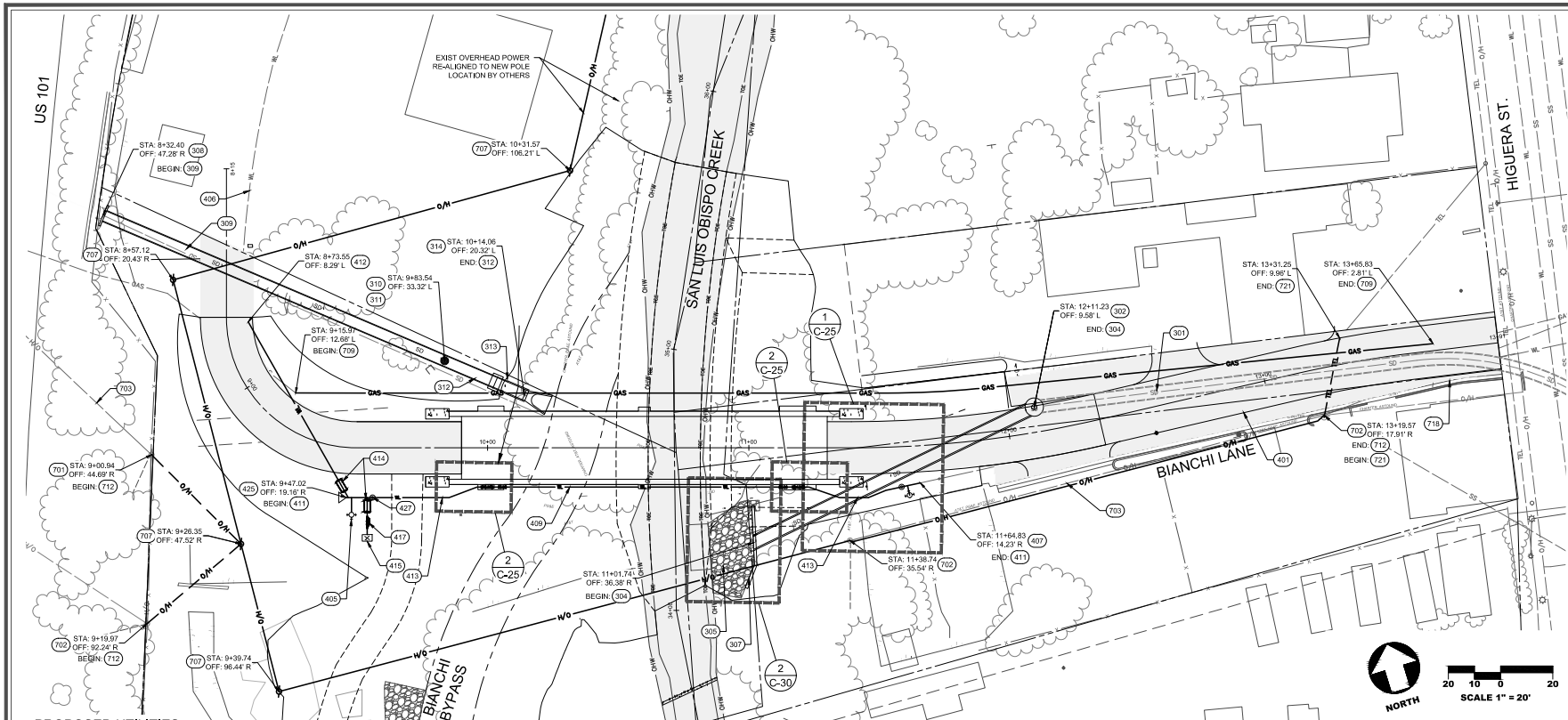
**MID-HIGUERA BYPASS**  
**BIANCHI LANE UTILITY PLAN - PROPOSED**

PROJECT TITLE

SHEET TITLE



DESIGNED BY: VGH  
 DRAWN BY: CK  
 CHECKED BY: CAC  
 APPROVED BY:  
 SCALE: 1" = 20'  
 DATE: 6/11/2024  
 CITY SPECIFICATION NO.: 2090649  
 PLAN FILE NO./LOCATION:  
 SHEET NO.



**PROPOSED UTILITIES**

**LEGEND:**

	ORDINARY HIGH WATER MARK (OHW)		(E) OVERHEAD UTILITY LINE LOCATION
	ORDINARY HIGH WATER LIMIT		(E) UNDERGROUND CABLE TELEVISION LINE
	PROPOSED GRADING LIMIT		(E) UNDERGROUND TELEPHONE LINE
	PARCEL LINE FROM CITY GIS		PROPOSED STORM DRAIN
	BYPASS CHANNEL TOE		PROPOSED SEWER
	(E) TOE OF SLOPE		PROPOSED WATER
	PROPOSED RSP		PROPOSED GAS
	(N) HMA PAVING		PROPOSED OVERHEAD LINE
	(E) STORM DRAIN		PROPOSED UNDERGROUND TELEPHONE LINE
	(E) GRAVITY SEWER LINE		PROPOSED UNDERGROUND CABLE LINE
	(E) WATER LINE		
	(E) UNDERGROUND GAS LINE		

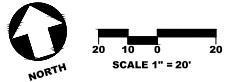
**REFERENCE NOTES:**

XXX	DESCRIPTION
300	STORM DRAIN
301	(E) 54" RCP STORM DRAIN TO REMAIN
302	(N) 84" STORM DRAIN MANHOLE PER CITY STD. 3510, CONNECT TO (E) 54" RCP STORM DRAIN. VERIFY ELEVATION OF (E) 54" RCP PRIOR TO INSTALLING DOWNSTREAM PIPE.
303	REMOVE (E) STORM DRAIN (54" RCP)
304	(N) 54" RCP STORM DRAIN
305	ROCK SLOPE PROTECTION AT STORM DRAIN OUTLET PER 3/C-30
307	STORM DRAIN HEADWALL AND WINGWALLS PER CALTRANS STD D99 SHEET C-30 AND 1/C-30.2/C-30
308	STORM DRAIN HEADWALL PER CALTRANS STD D90 SHEET C-28, TOP OF WALL ELEV 172.5'
309	(N) 48" HDPE SD, SLURRY BACKFILL
310	(N) 48" x 48" x 24" HOPE TEE
311	(N) 24" HOPE RISER AND 24" TRAFFIC RATED GRATE INLET, TOP OF GRATE ELEV 167.5'
312	(N) 48" RCP SD
313	(N) CONCRETE PIPE COLLAR
314	(N) 48" RCP FLARED END SECTION.
315	REMOVE (E) STORM DRAIN (48" CMP, 54" STEEL)
316	REMOVE (E) STORM DRAIN (24" HOPE, 18" CMP)
317	REMOVE (E) STORM DRAIN HEADWALL (ROCK AND SACK CONCRETE)
400	WATER SYSTEM
401	(E) 6" PVC WL TO REMAIN
402	REMOVE (E) FIRE HYDRANT ASSEMBLY
403	REMOVE (E) 6" PVC WL
404	REMOVE (E) 2" WATER SERVICE LATERAL AND 4" CI CASING UNDER (E) BRIDGE

405	FIRE HYDRANT ASSEMBLY PER CITY STD 6310
406	(E) 2" WATER SERVICE TO REMAIN
407	CONNECT TO (E) 6" PVC WL
408	(N) DUCTILE IRON 22.5 DEGREE ELBOW
409	(N) 6" DWP WL ATTACHED TO BRIDGE - SEE SHEET S-6 FOR PIPE SUPPORT BRACKET
410	(N) DUCTILE IRON 11.25 DEGREE ELBOW
411	(N) 6" PVC WL
412	CONNECT TO (E) 2" WATER SERVICE, PER CITY STD 6220, VERIFY LOCATION.
413	(N) WATERLINE AT CRASH CUSHION CONCRETE PAD PER 2/C-25
414	3/4" (N) WATER SERVICE AND METER PER CITY STD 6210
415	1" QUICK COUPLER VALVE AND BOX PER CITY STD 8530
416	REMOVE (E) 2" WATER SERVICE, PROVIDE TEMPORARY SERVICE DURING CONSTRUCTION
417	IRRIGATION SERVICE ASSEMBLY PER CITY STD 8560
418	APPROXIMATE LOCATION OF (E) 2" SERVICE LINE, VERIFY LOCATION.
419	6" DUCTILE IRON FORCE BALANCED FLEXIBLE EXPANSION JOINT, RATED FOR 8" LINE-48 EXPANSION
420	6" DUCTILE IRON FORCE BALANCED LINEAR EXPANSION JOINT, RATED FOR 8" LINE-48 EXPANSION
421	6" DUCTILE IRON 45 DEGREE ELBOW, ROTATE AS NEEDED TO ACHIEVE HORIZONTAL CLEARANCE FROM CRASH CUSHION PAD PER 2/C-25.
422	CONNECT TO (E) 6" PVC WATERLINE, PER CITY STD 6210.
423	(E) FIRE HYDRANT TO REMAIN
424	REMOVE (E) 2" WATER METER, VERIFY LOCATION.
425	STUB OUT (N) 6" PVC, (N) 6" END CAP AND THRUST BLOCK
426	(E) ABANDONED 6" CI WATERLINE UNDER BRIDGE, CONFIRM WATERLINE IS NOT ACTIVE AND REMOVE.
427	(N) 6" WATER VALVE AND WELL PER CITY STD. 6340

428	1 INCH COMBINATION AIR VALVE PER 3/C-25
429	CUT AND CAP (E) WATER SERVICE, REMOVE (E) WATER SERVICE LATERAL WITHIN LIMITS OF GRADING, PIPE MATERIAL AND SIZE UNKNOWN.
600	SEWERWORK
638	(N) DRIVEWAY RAMP PER CITY STD 2110 (MODIFIED) PER DETAILS 1&2/C-27
700	UTILITIES
701	(E) UTILITY POLE TO REMAIN
702	(E) UTILITY POLE AND GUY TO REMAIN
703	(E) OVERHEAD (DH) UTILITY LINE TO REMAIN
706	(E) OVERHEAD LINE TO BE REMOVED AND RELOCATED BY OTHERS
707	(N) UTILITY POLE BY OTHERS
709	(N) GAS LINE IN BIANCHI LANE AND UNDERNEATH SAN LUIS OBISPO CREEK BY OTHERS.
710	(E) GAS LINE TO BE RELOCATED BY OTHERS
711	(E) UTILITY POLE TO BE REMOVED AND RELOCATED BY OTHERS
712	(N) OVERHEAD UTILITY LINES BY OTHERS
715	(E) GAS VALVE TO REMAIN
716	(E) UNDERGROUND CABLE LINE TO BE REMOVED BY OTHERS
718	(E) UNDERGROUND TELEPHONE LINE TO REMAIN
719	(E) UNDERGROUND CABLE LINE TO REMAIN
720	REMOVE (E) SEPTIC SYSTEM
721	(N) UNDERGROUND TELEPHONE LINE BY OTHERS
722	(N) OVERHEAD CABLE LINE BY OTHERS
723	(E) UNDERGROUND COMMUNICATION LINES TO REMAIN
724	(E) UNDERGROUND TELEPHONE LINE TO BE RELOCATED BY OTHERS
725	CUT AND CAP (E) ELECTRICAL SERVICE, REMOVE (E) CONDUIT WITHIN LIMITS OF GRADING, MATERIAL AND SIZE UNKNOWN

Scale: 1" = 20'







**MID-HIGUERA BYPASS**  
**BIANCHI LANE BRIDGE WATERLINE PROFILE**

PROJECT TITLE

SHEET TITLE



DESIGNED BY: VGH

DRAWN BY: CK

CHECKED BY: CAC

APPROVED BY:

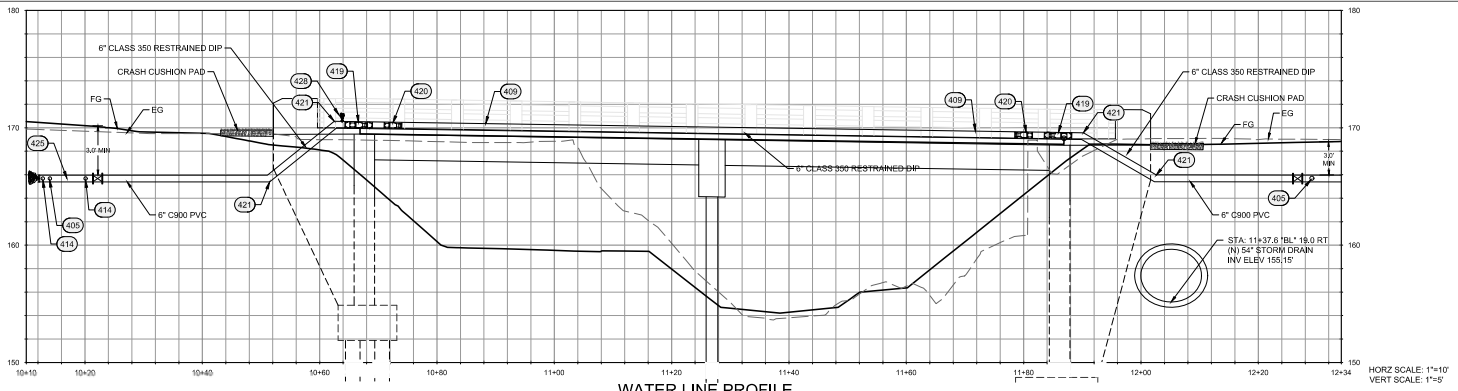
SCALE: AS SHOWN

DATE: 6/11/2024

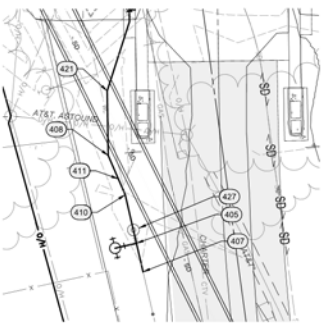
CITY SPECIFICATION NO.: 2090649

PLAN FILE NO.: LOCATION

SHEET NO.

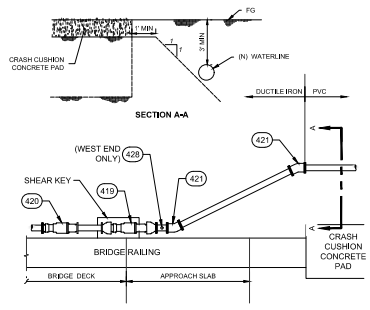


**WATER LINE PROFILE**



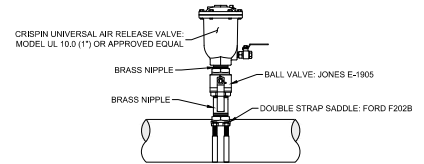
**1 CONNECTION TO EXISTING WATERLINE**

Scale: 1" = 10'



**2 PLAN VIEW OF NEW WATERLINE AT CRASH CUSHION PAD**

Scale: N.T.S.

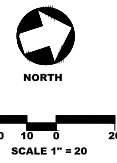
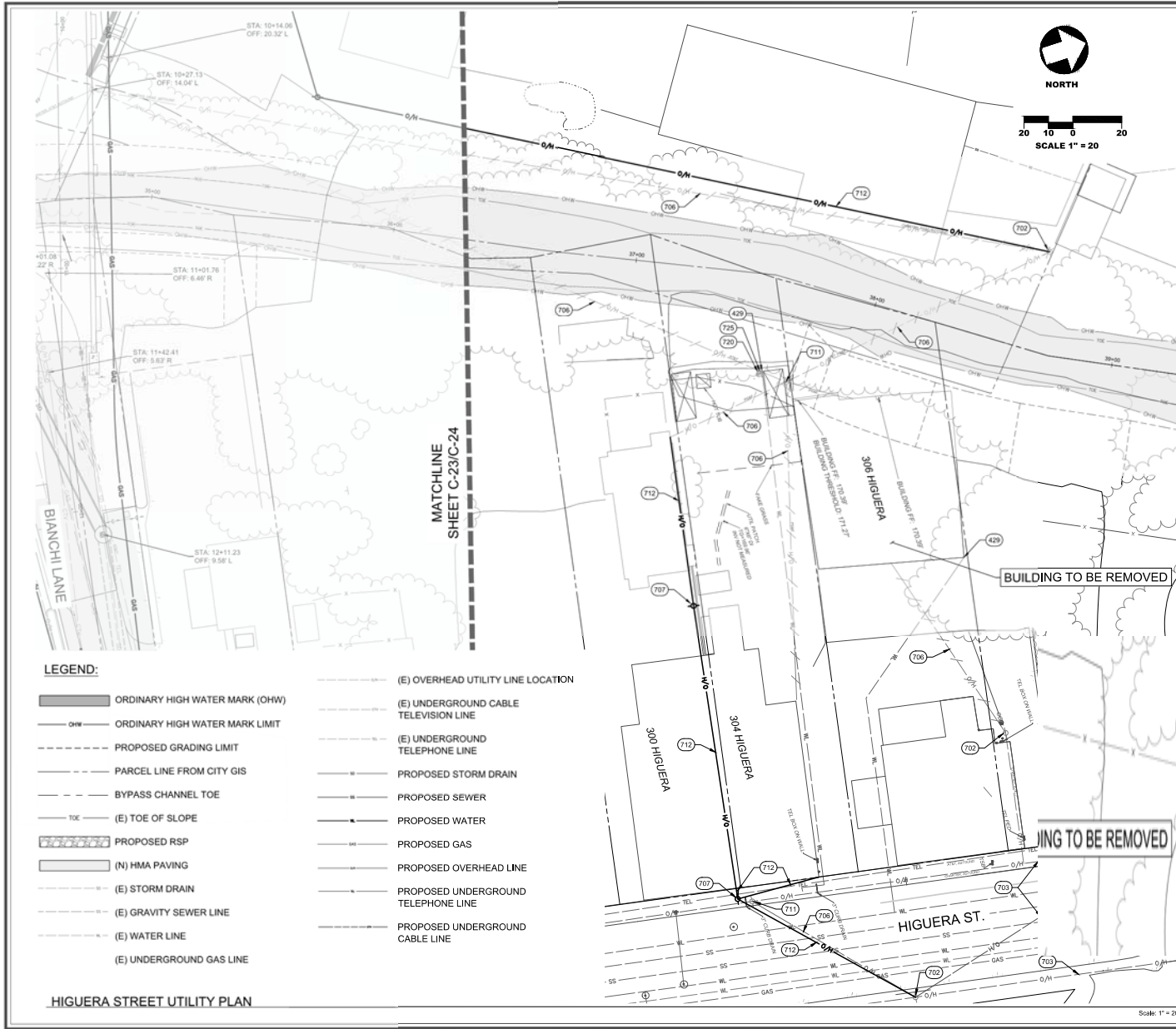


**3 COMBINATION AIR VALVE**

N.T.S.

XXX	DESCRIPTION
300	STORM DRAIN
301	(E) 54" RCP STORM DRAIN TO REMAIN
302	(N) 84" STORM DRAIN MANHOLE PER CITY STD. 3510, CONNECT TO (E) 54" RCP STORM DRAIN, VERIFY ELEVATION OF (E) 54" RCP PRIOR TO INSTALLING DOWNSTREAM PIPE.
303	REMOVE (E) STORM DRAIN (54" RCP)
304	(N) 54" RCP STORM DRAIN
305	ROCK SLOPE PROTECTION AT STORM DRAIN OUTLET PER 31C-30
307	STORM DRAIN HEADWALL AND WINGWALLS PER CALTRANS STD D90 SHEET C-30 AND 11C-30 21C-30
308	STORM DRAIN HEADWALL PER CALTRANS STD D90 SHEET C-29, TOP OF GRATE ELEV 172.25'
309	(N) 48" HDPE SD, SLURRY BACKFILL
310	(N) 48"x48"x24" HDPE TEE
311	(N) 24" HDPE RISER AND 24" TRAFFIC RATED GRATE INLET, TOP OF GRATE ELEV 167.25'
312	(N) 48" RCP SD
313	(N) CONCRETE PIPE COLLAR
314	(N) 48" RCP FLARED END SECTION.
315	REMOVE (E) STORM DRAIN (48" CMP, 52" STEEL)
316	REMOVE (E) STORM DRAIN (24" CMP, 18" CMP)
317	REMOVE (E) STORM DRAIN HEADWALL (ROCK AND SACK CONCRETE)
400	WATER SYSTEM
401	(E) 6" PVC WL TO REMAIN
402	REMOVE (E) FIRE HYDRANT ASSEMBLY
403	REMOVE (E) 6" PVC WL
404	REMOVE (E) 2" WATER SERVICE LATERAL AND 4" CI CASING UNDER (E) BRIDGE
405	FIRE HYDRANT ASSEMBLY PER CITY STD 6310
406	(E) 2" WATER SERVICE TO REMAIN
407	CONNECT TO (E) 6" PVC WL
408	(N) DUCTILE IRON 22.5 DEGREE ELBOW
409	(N) 6" DP WL ATTACHED TO BRIDGE - SEE SHEET S-9 FOR PIPE SUPPORT BRACKET
410	(N) DUCTILE IRON 11.25 DEGREE ELBOW
411	(N) 6" PVC WL
412	CONNECT TO (E) 2" WATER SERVICE, PER CITY STD 6220, VERIFY LOCATION.
413	(N) WATERLINE AT CRASH CUSHION CONCRETE PAD PER 21C-25
414	34" (N) WATER SERVICE AND METER PER CITY STD, 6210
415	1" QUICK COUPLER VALVE AND BOX PER CITY STD 8630
416	REMOVE (E) 2" WATER SERVICE, PROVIDE TEMPORARY SERVICE DURING CONSTRUCTION

417	IRRIGATION SERVICE ASSEMBLY PER CITY STD 8560
418	APPROXIMATE LOCATION OF (E) 2" SERVICE LINE, VERIFY LOCATION.
419	6" DUCTILE IRON FORCE BALANCED FLEXIBLE EXPANSION JOINT, RATED FOR 6" LINEAS EXPANSION
420	6" DUCTILE IRON FORCE BALANCED LINEAR EXPANSION JOINT, RATED FOR 6" LINEAR EXPANSION
421	6" DUCTILE IRON 45 DEGREE ELBOW, ROTATE AS NEEDED TO ACHIEVE HORIZONTAL CLEARANCE FROM CRASH CUSHION PAD PER 21C-25.
422	CONNECT TO (E) 6" PVC WATERLINE, PER CITY STD 6210.
423	(E) FIRE HYDRANT TO REMAIN
424	REMOVE (E) 2" WATER METER, VERIFY LOCATION.
425	STUB OUT (N) 6" PVC, (N) 6" END CAP AND THRUST BLOCK
426	(E) ABANDONED 6" CI WATERLINE UNDER BRIDGE, CONFIRM WATERLINE IS NOT ACTIVE AND REMOVE.
427	(N) 6" WATER VALVE AND WELL PER CITY STD, 6340
428	1 INCH COMBINATION AIR VALVE PER 31C-25
429	CUT AND CAP (E) WATER SERVICE, REMOVE (E) WATER SERVICE LATERAL WITHIN LIMITS OF GRADING, PIPE MATERIAL AND SIZE UNKNOWN.
600	SITENWORK
638	(N) DRIVEWAY RAMP PER CITY STD 2110 (MODIFIED) PER DETAILS 1&2-C-27
700	UTILITIES
701	(E) UTILITY POLE TO REMAIN
702	(E) UTILITY POLE AND GUY TO REMAIN
703	(E) OVERHEAD (OH) UTILITY LINE TO REMAIN
706	(E) OVERHEAD LINE TO BE REMOVED AND RELOCATED BY OTHERS
707	(N) UTILITY POLE BY OTHERS
709	(N) GAS LINE IN BIANCHI LANE AND UNDERNEATH SAN LUIS OBISPO CREEK BY OTHERS.
710	(E) GAS LINE TO BE RELOCATED BY OTHERS
714	(E) UTILITY POLE TO BE REMOVED AND RELOCATED BY OTHERS
712	(N) OVERHEAD UTILITY LINES BY OTHERS
715	(E) GAS VALVE TO REMAIN
716	(E) UNDERGROUND CABLE LINE TO BE REMOVED BY OTHERS
718	(E) UNDERGROUND TELEPHONE LINE TO REMAIN
719	(E) UNDERGROUND CABLE LINE TO REMAIN
720	REMOVE (E) SEPTIC SYSTEM
721	(N) UNDERGROUND TELEPHONE LINE BY OTHERS
722	(N) OVERHEAD CABLE LINE BY OTHERS
723	(E) UNDERGROUND COMMUNICATION LINES TO REMAIN
724	(E) UNDERGROUND TELEPHONE LINE TO BE RELOCATED BY OTHERS
725	CUT AND CAP (E) ELECTRICAL SERVICE, REMOVE (E) CONDUIT WITHIN LIMITS OF GRADING, MATERIAL AND SIZE UNKNOWN



**LEGEND:**

	ORDINARY HIGH WATER MARK (OHW)		(E) OVERHEAD UTILITY LINE LOCATION
	ORDINARY HIGH WATER MARK LIMIT		(E) UNDERGROUND CABLE TELEVISION LINE
	PROPOSED GRADING LIMIT		(E) UNDERGROUND TELEPHONE LINE
	PARCEL LINE FROM CITY GIS		PROPOSED STORM DRAIN
	BYPASS CHANNEL TOE		PROPOSED SEWER
	(E) TOE OF SLOPE		PROPOSED WATER
	PROPOSED RSP		PROPOSED GAS
	(N) HMA PAVING		PROPOSED OVERHEAD LINE
	(E) STORM DRAIN		PROPOSED UNDERGROUND TELEPHONE LINE
	(E) GRAVITY SEWER LINE		PROPOSED UNDERGROUND CABLE LINE
	(E) WATER LINE		
	(E) UNDERGROUND GAS LINE		

**REFERENCE NOTES:**

XXX	DESCRIPTION
300	STORM DRAIN
301	(E) 54" RCP STORM DRAIN TO REMAIN
302	(N) 54" STORM DRAIN MANHOLE PER CITY STD. 3510. CONNECT TO (E) 54" RCP STORM DRAIN. VERIFY ELEVATION OF (E) 54" RCP PRIOR TO INSTALLING DOWNSTREAM PIPE.
303	REMOVE (E) STORM DRAIN (54" RCP)
304	(N) 54" RCP STORM DRAIN
305	ROCK SLOPE PROTECTION AT STORM DRAIN OUTLET PER 3/C-30
307	STORM DRAIN HEADWALL AND WINGWALLS PER CALTRANS STD D90 SHEET C-28 AND 11C-20 21C-20
309	STORM DRAIN HEADWALL PER CALTRANS STD D90 SHEET C-28. TOP OF WALL ELEV 172.5'
309	(N) 36" HDPE SD. SLURRY BACKFILL
310	(N) 48"x48"x24" HDPE TEE
311	(N) 24" HDPE REER AND 24" TRAFFIC RATED GRATE INLET. TOP OF GRATE ELEV 167.9'.
312	(N) 48" RCP SD
313	(N) CONCRETE PIPE COLLAR
314	(N) 48" RCP FLARED END SECTION.
315	REMOVE (E) STORM DRAIN 48" CMP. 52" STEEL
316	REMOVE (E) STORM DRAIN 24" HDPE. 18" CMP)
317	REMOVE (E) STORM DRAIN HEADWALL (ROCK AND SACK CONCRETE)
400	WATER SYSTEM
401	(E) 6" PVC WL TO REMAIN
402	REMOVE (E) FIRE HYDRANT ASSEMBLY
403	REMOVE (E) 6" PVC WL
404	REMOVE (E) 2" WATER SERVICE LATERAL AND 4" CI CASING UNDER (E) BRIDGE
405	FIRE HYDRANT ASSEMBLY PER CITY STD 8310
406	(E) 2" WATER SERVICE TO REMAIN
407	CONNECT TO (E) 6" PVC WL
408	(N) DUCTILE IRON 22.5 DEGREE ELBOW
409	(N) 6" DP WL ATTACHED TO BRIDGE - SEE SHEET S-8 FOR PIPE SUPPORT BRACKET
410	(N) DUCTILE IRON 11.25 DEGREE ELBOW
411	(N) 6" PVC WL
412	CONNECT TO (E) 2" WATER SERVICE. PER CITY STD 6226. VERIFY LOCATION.
413	(N) WATERLINE AT CRASH CUSHION CONCRETE PAD PER 2/C-25
414	3/4" (N) WATER SERVICE AND METER PER CITY STD. 6210
415	1" QUICK COUPLER VALVE AND BOX PER CITY STD 8630
416	REMOVE (E) 2" WATER SERVICE. PROVIDE TEMPORARY SERVICE DURING CONSTRUCTION
417	IRRIGATION SERVICE ASSEMBLY PER CITY STD 8560
418	APPROXIMATE LOCATION OF (E) 2" SERVICE LINE. VERIFY LOCATION.
419	6" DUCTILE IRON FORCE BALANCED FLEXIBLE EXPANSION JOINT. RATED FOR 8" LINEAR EXPANSION.
420	6" DUCTILE IRON FORCE BALANCED LINEAR EXPANSION JOINT. RATED FOR 8" LINEAR EXPANSION.
421	6" DUCTILE IRON 45 DEGREE ELBOW. ROTATE AS NEEDED TO ACHIEVE HORIZONTAL CLEARANCE FROM CRASH CUSHION PAD PER 2/C-25.
422	CONNECT TO (E) 8" PVC WATERLINE. PER CITY STD. 6210.
423	(E) FIRE HYDRANT TO REMAIN
424	REMOVE (E) 2" WATER METER. VERIFY LOCATION.
425	STUB OUT (N) 6" PVC. (N) 6" END CAP AND THRUST BLOCK
426	(E) ABANDONED 6" CI WATERLINE UNDER BRIDGE. CONFIRM WATERLINE IS NOT ACTIVE AND REMOVE.
427	(N) 6" WATER VALVE AND WELL PER CITY STD. 6340
428	1 INCH COMBINATION AIR VALVE PER 3/C-25
429	CUT AND CAP (E) WATER SERVICE. REMOVE (E) WATER SERVICE LATERAL WITHIN LIMITS OF GRADING. PIPE MATERIAL AND SIZE UNKNOWN.
600	SEWER/INK
638	(N) DRIVEWAY RAMP PER CITY STD 2110 (MODIFIED) PER DETAILS 182/C-27
700	UTILITIES
701	(E) UTILITY POLE TO REMAIN
702	(E) UTILITY POLE AND GUY TO REMAIN
703	(E) OVERHEAD (N) UTILITY LINE TO REMAIN
706	(E) OVERHEAD LINE TO BE REMOVED AND RELOCATED BY OTHERS
707	(N) UTILITY POLE BY OTHERS
709	(N) GAS LINE IN BIANCHI LANE AND UNDERNEATH SAN LUIS OBISPO CREEK BY OTHERS.
710	(E) GAS LINE TO BE RELOCATED BY OTHERS
711	(E) UTILITY POLE TO BE REMOVED AND RELOCATED BY OTHERS
712	(N) OVERHEAD (N) UTILITY LINES BY OTHERS
714	(E) GAS VALVE TO REMAIN
716	UNDERGROUND CABLE LINE TO BE REMOVED BY OTHERS
718	(E) UNDERGROUND TELEPHONE LINE TO REMAIN
719	(E) UNDERGROUND CABLE LINE TO REMAIN
720	REMOVE (E) SEPTIC SYSTEM
721	(N) UNDERGROUND TELEPHONE LINE BY OTHERS
722	(N) OVERHEAD CABLE LINE BY OTHERS
723	(E) UNDERGROUND COMMUNICATION LINES TO REMAIN
724	(E) UNDERGROUND TELEPHONE LINE TO BE RELOCATED BY OTHERS
725	CUT AND CAP (E) ELECTRICAL SERVICE. REMOVE (E) CONDUIT WITHIN LIMITS OF GRADING. MATERIAL AND SIZE UNKNOWN



**MID-HIGUERA BYPASS**  
**HIGUERA ST UTILITY PLAN**



DESIGNED BY: VGH  
 DRAWN BY: CPK  
 CHECKED BY: CAC  
 APPROVED BY: CAC  
 SCALE: AS SHOWN  
 DATE: 6/11/2024  
 CITY SPECIFICATION NO.: 2090649  
 PLAN FILE NO.: LOCATION  
 SHEET NO.:



**MID-HIGUERA BYPASS**  
**MATTHEWS ROADWAY AND UTILITY PLAN**

PROJECT TITLE

SHEET TITLE

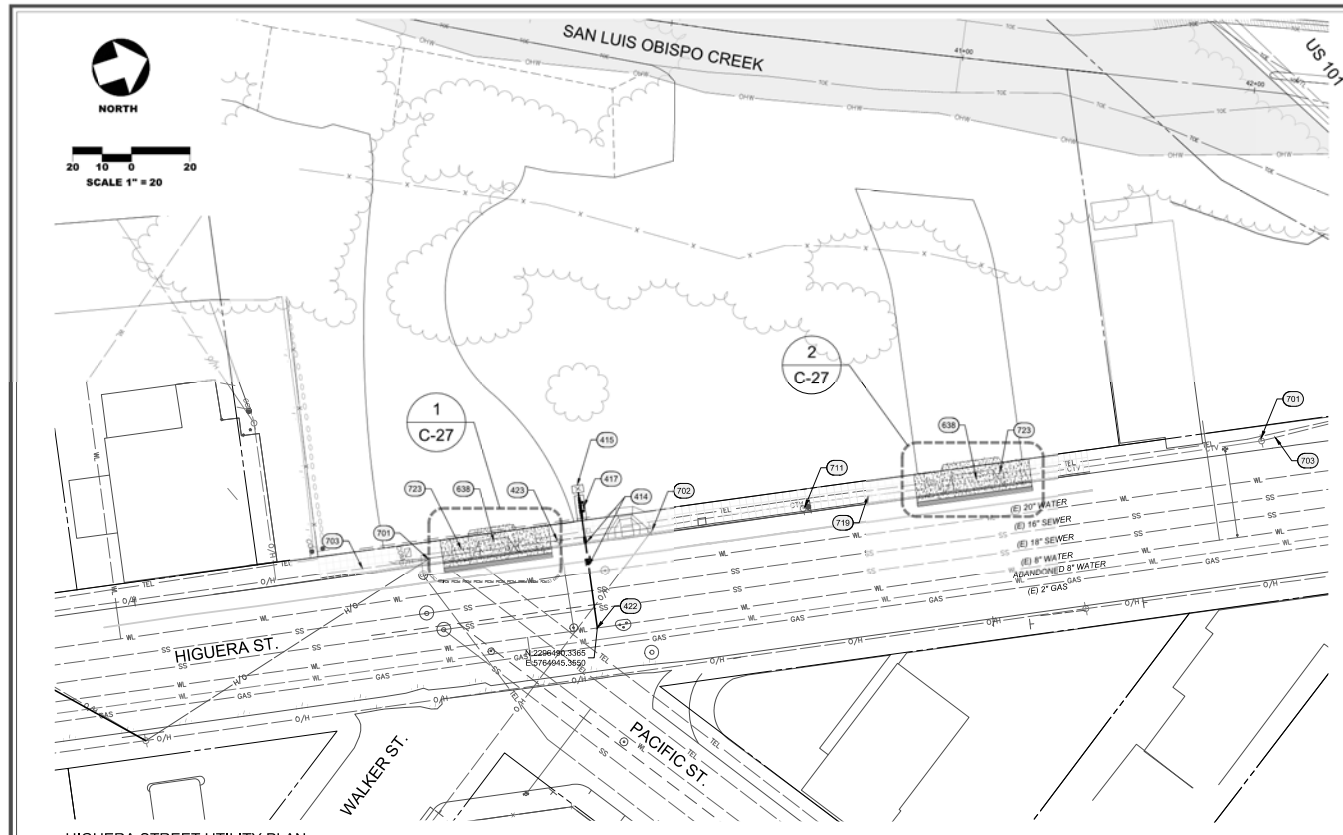


DESIGNED BY: VGH  
 DRAWN BY: CK  
 CHECKED BY: CAC  
 APPROVED BY:  
 SCALE: AS SHOWN  
 DATE: 6/11/2024  
 CITY SPECIFICATION NO.: 2090649  
 PLAN FILE NO.: LOCATION  
 SHEET NO.

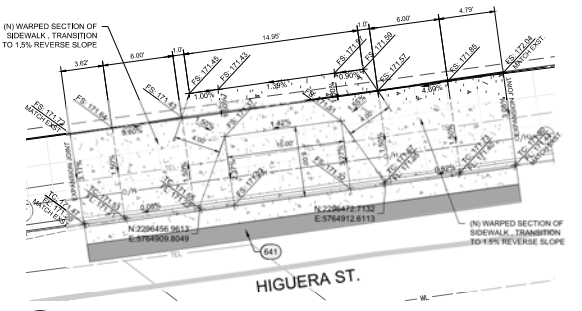
**C-27 of 65**

REFERENCE NOTES:	
XXX	DESCRIPTION
400	WATER SYSTEM
401	(E) 6" PVC WL TO REMAIN
402	REMOVE (E) FIRE HYDRANT ASSEMBLY
403	REMOVE (E) 6" PVC WL
404	REMOVE (E) 2" WATER SERVICE LATERAL AND 4" CI CASING UNDER (E) BRIDGE
405	FIRE HYDRANT ASSEMBLY PER CITY STD 6310
406	(E) 2" WATER SERVICE TO REMAIN
407	CONNECT TO (E) 6" PVC WL
408	(N) DUCTILE IRON 22.5 DEGREE ELBOW
409	(N) 6" DP WL ATTACHED TO BRIDGE - SEE SHEET S-4 FOR PIPE SUPPORT BRACKET
410	(N) DUCTILE IRON 11.25 DEGREE ELBOW
411	(N) 6" PVC WL
412	CONNECT TO (E) 2" WATER SERVICE, PER CITY STD 6220, VERIFY LOCATION.
413	(N) WATERLINE AT CRASH CUSHION CONCRETE PAD PER 2/C-25
414	3/4" (N) WATER SERVICE AND METER PER CITY STD. 6210
415	1" QUICK COUPLER VALVE AND BOX PER CITY STD 6630
416	REMOVE (E) 2" WATER SERVICE, PROVIDE TEMPORARY SERVICE DURING CONSTRUCTION
417	IRRIGATION SERVICE ASSEMBLY PER CITY STD 8560
418	APPROXIMATE LOCATION OF (E) 2" SERVICE LINE, VERIFY LOCATION.
419	6" DUCTILE IRON FORCE BALANCED FLEXIBLE EXPANSION JOINT, RATED FOR 8" LINEAR EXPANSION
420	6" DUCTILE IRON FORCE BALANCED LINEAR EXPANSION JOINT, RATED FOR 8" LINEAR EXPANSION
421	6" DUCTILE IRON 45 DEGREE ELBOW, ROTATE AS NEEDED TO ACHIEVE HORIZONTAL CLEARANCE FROM CRASH CUSHION PAD PER 2/C-25.
422	CONNECT TO (E) 8" PVC WATERLINE, PER CITY STD 6210.
423	(E) FIRE HYDRANT TO REMAIN
424	REMOVE (E) 2" WATER METER, VERIFY LOCATION.
425	STUB OUT (N) 6" PVC, (N) 6" END CAP AND THRUST BLOCK
426	(E) ABANDONED 6" CI WATERLINE UNDER BRIDGE. CONFIRM WATERLINE IS NOT ACTIVE AND REMOVE.
427	(N) 6" WATER VALVE AND WELL PER CITY STD. 6340
428	1 INCH COMBINATION AIR VALVE PER 3/C-25
600	SITENWORK
608	(N) DRIVEWAY RAMP PER CITY STD 2110 (MODIFIED) PER DETAILS 182/C-27
641	PAVEMENT REMOVAL AND REPAIR PER CITY STD 4110
700	UTILITIES
701	(E) UTILITY POLE TO REMAIN
702	(E) UTILITY POLE AND GUY TO REMAIN
703	(E) OVERHEAD (OH) UTILITY LINE TO REMAIN
706	(E) OVERHEAD LINE TO BE REMOVED AND RELOCATED BY OTHERS
707	(N) UTILITY POLE BY OTHERS
709	(N) GAS LINE IN BIANCHI LANE AND UNDERNEATH SAN LUIS OBISPO CREEK BY OTHERS.
710	(E) GAS LINE TO BE RELOCATED BY OTHERS
711	(E) UTILITY POLE TO BE REMOVED AND RELOCATED BY OTHERS
712	(N) OVERHEAD UTILITY LINES BY OTHERS
714	OVERHEAD CABLE LINE TO BE TEMPORARILY RELOCATED BY OTHERS FOR INSTALLATION AND REMOVAL OF THE TEMPORARY BRIDGE.
719	(E) UNDERGROUND CABLE LINE TO REMAIN
723	(E) UNDERGROUND COMMUNICATION LINES TO REMAIN

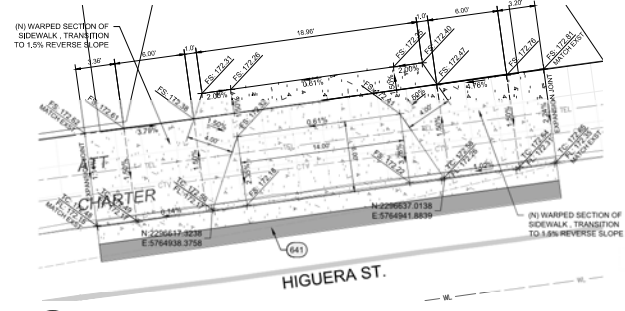
LEGEND	
● 100	(E) TREE AND TAG NUMBER
○	REMOVE (E) TREE
○	(E) TREE WITHOUT TAG
○	(E) TREE. SEE NOTE PER EXISTING TREE PLAN
---	TEMPORARY HIGH VISIBILITY FENCE
---	PROPOSED SURFACE GRADING LIMIT
---	BYPASS CHANNEL TOE
---	(E) TOE OF SLOPE
---	ORDINARY HIGH WATER (OHW)
---	ORDINARY HIGH WATER MARK LIMIT
---	PROPOSED RSP
---	PARCEL LINE FROM CITY GIS



**HIGUERA STREET UTILITY PLAN**



**1 HIGUERA SOUTH DRIVEWAY DETAIL**  
 NOTE: HIGUERA STREET AT (N) DRIVEWAY IS 2" ASPHALT CONCRETE OVER PORTLAND CEMENT CONCRETE  
 Scale: 1" = 5'



**2 HIGUERA NORTH DRIVEWAY DETAIL**  
 NOTE: HIGUERA STREET AT (N) DRIVEWAY IS 2" ASPHALT CONCRETE OVER PORTLAND CEMENT CONCRETE  
 Scale: 1" = 5'



**MID-HIGUERA BYPASS  
ROADWAY AND UTILITY DETAILS**

PROJECT TITLE

SHEET TITLE

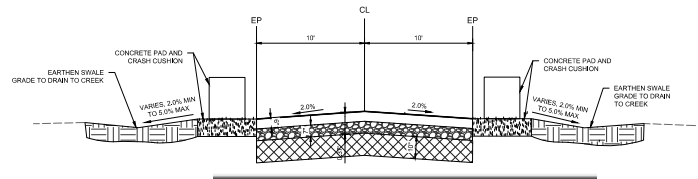
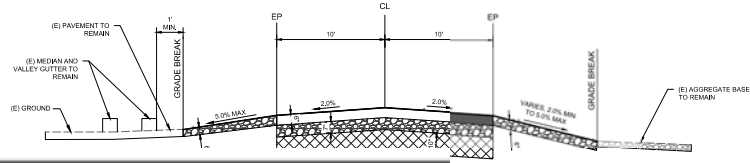


DESIGNED BY: VGH  
 DRAWN BY: CK  
 CHECKED BY: CAC  
 APPROVED BY:

SCALE: AS SHOWN  
 DATE: 6/11/2024  
 CITY SPECIFICATION NO.: 2090649  
 PLAN FILE NO.: LOCATION

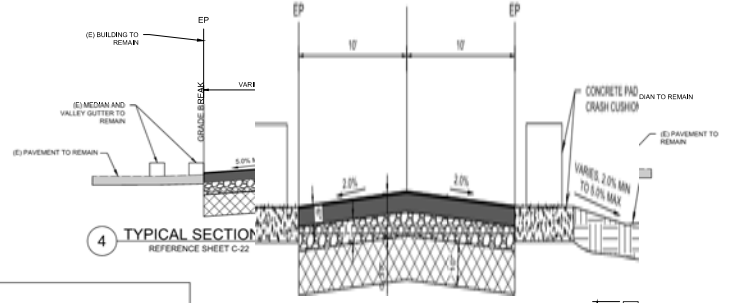
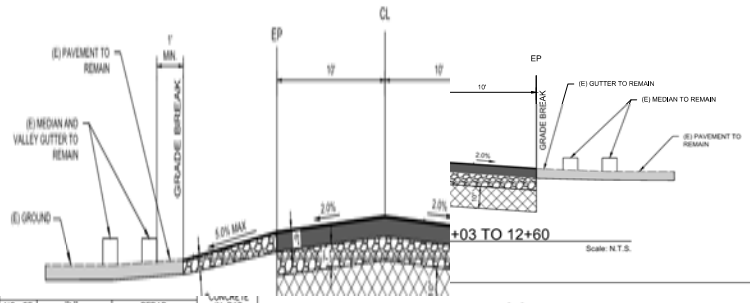
SHEET NO.

**C-28 of 65**



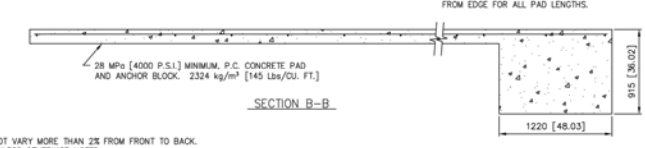
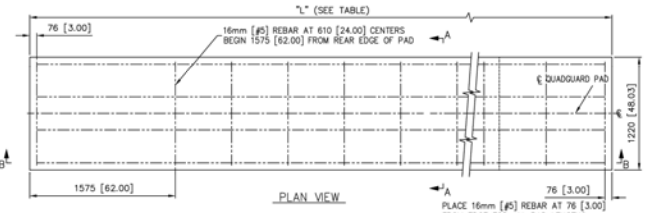
1+44 TO 12+03  
Scale: N.T.S.

2 TYPICAL  
STA 9+7  
REFERE



4 TYPICAL SECTION  
REFERENCE SHEET C-22

NO. OF BAYS	"L" (PAD LENGTH) (ft) [ (m) ]	REBAR REQUIRED (ft) [ (m) ]	VOLUME IN PAD (cu yd) [ (cu m) ]
1	2.74 [ 9'-0" ]	14.83 [ 48'-8" ]	1.59 [ 2.11 ]
2	2.74 [ 9'-0" ]	14.83 [ 48'-8" ]	1.59 [ 2.11 ]
3	3.66 [ 11'-0" ]	20.73 [ 68'-0" ]	1.88 [ 2.43 ]
4	4.57 [ 15'-0" ]	28.50 [ 93'-9" ]	1.97 [ 2.63 ]
5	5.49 [ 18'-0" ]	31.99 [ 103'-0" ]	2.12 [ 2.81 ]
6	6.40 [ 21'-0" ]	36.17 [ 118'-8" ]	2.25 [ 3.11 ]
7	7.32 [ 24'-0" ]	42.06 [ 138'-0" ]	2.31 [ 3.31 ]
8	8.23 [ 27'-0" ]	46.84 [ 153'-8" ]	2.66 [ 3.51 ]
9	9.14 [ 30'-0" ]	52.73 [ 173'-0" ]	2.81 [ 3.71 ]
10	10.06 [ 33'-0" ]	57.31 [ 188'-8" ]	3.04 [ 4.03 ]
11	10.97 [ 36'-0" ]	63.40 [ 209'-0" ]	3.19 [ 4.21 ]
12	11.89 [ 39'-0" ]	68.17 [ 223'-8" ]	3.35 [ 4.41 ]



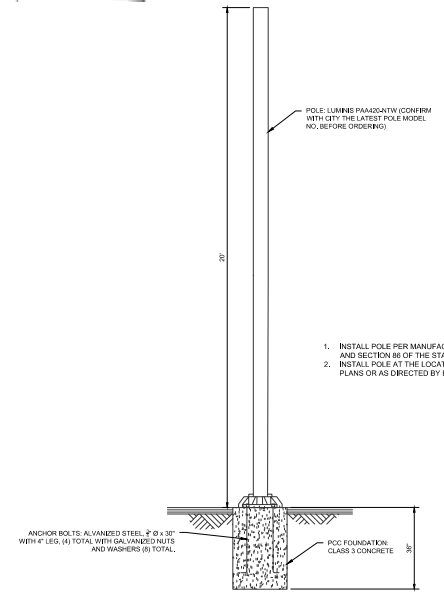
NOTES:  
 1. CROSS SLOPE OF PAD SHALL NOT EXCEED 8% AND NOT VARY MORE THAN 2% FROM FRONT TO BACK.  
 2. UNITS OF MEASUREMENT ARE MILLIMETERS [INCHES] UNLESS OTHERWISE NOTED.

D. STATUS	3/15/06	TOLERANCES PER	CONCRETE SYSTEM
E. TRAVERSE	8/20/06	CONCRETE SYSTEM	CONCRETE PAD FOR
REVISION		DO NOT SCALE DRAWING	TENSION STRUT BACKUP
REVISION		QUADGUARD SYSTEM	CONCRETE PAD FOR
REVISION		CONCRETE PAD FOR	TENSION STRUT BACKUP
ESTIMATED WEIGHT	N/A	QUADGUARD SYSTEM	CONCRETE PAD FOR
		CONCRETE PAD FOR	TENSION STRUT BACKUP



5 CRASH CUSHION CONCRETE PAD  
Scale: N.T.S.

6 (N) POLE, FOR POLE MOUNTED CAMERA BY OTHERS  
REFERENCE SHEET C-22



- INSTALL POLE PER MANUFACTURER'S DIRECTIONS AND SECTION 86 OF THE STANDARD SPECIFICATIONS
- INSTALL POLE AT THE LOCATION INDICATED BY THE PLANS OR AS DIRECTED BY ENGINEER

Scale: N.T.S.



**MID-HIGUERA BYPASS  
BIANCHI LANE STORM DRAIN PROFILES**

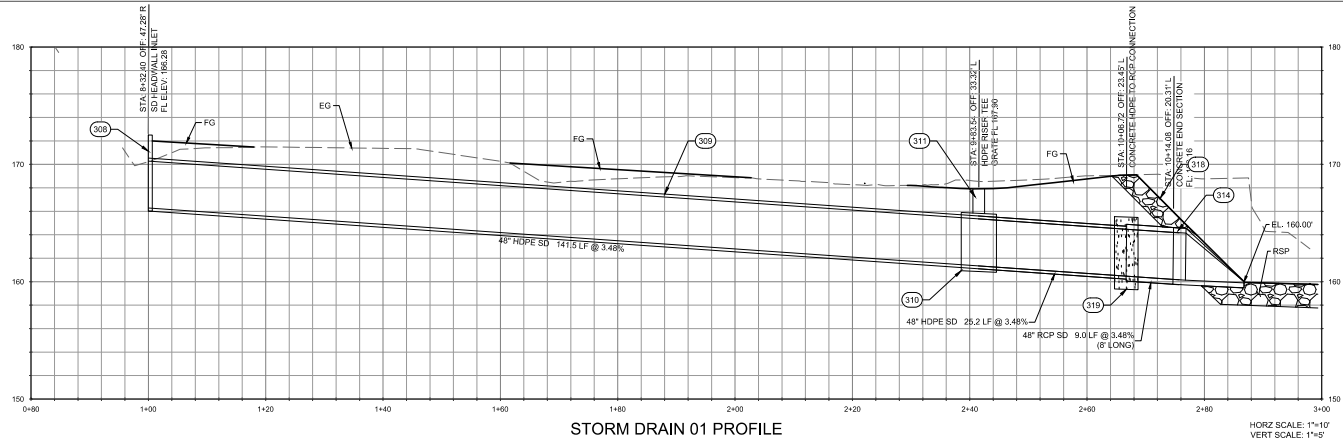
PROJECT TITLE

SHEET TITLE



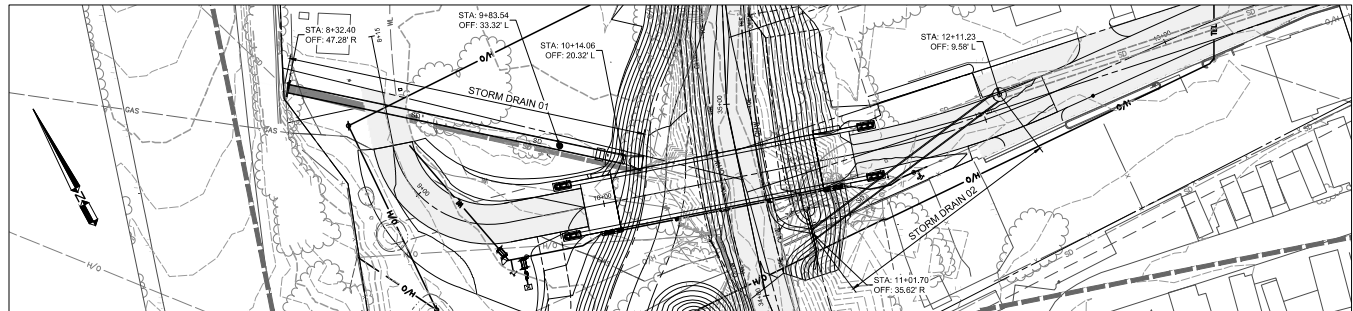
DESIGNED BY: VGH  
 DRAWN BY: CPK  
 CHECKED BY: CAC  
 APPROVED BY:  
 SCALE: AS SHOWN  
 DATE: 6/11/2024  
 CITY SPECIFICATION NO.: 2090649  
 PLAN FILE NO.: LOCATION  
 SHEET NO.

XXX	DESCRIPTION
300	STORM DRAIN
301	(E) 54" RCP STORM DRAIN TO REMAIN
302	(N) 54" STORM DRAIN MANHOLE PER CITY STD. 3510, CONNECT TO (E) 54" RCP STORM DRAIN, VERIFY ELEVATION OF (E) 54" RCP PRIOR TO INSTALLING DOWNSTREAM PIPE.
303	REMOVE (E) STORM DRAIN (54" RCP)
304	(N) 54" RCP STORM DRAIN
305	ROCK SLOPE PROTECTION AT STORM DRAIN OUTLET PER 31C-30
307	STORM DRAIN HEADWALL AND WINGWALLS PER CALTRANS STD D90 SHEET C-30 AND 11C-30 2/C-30
308	STORM DRAIN HEADWALL PER CALTRANS STD D90 SHEET C-28, TOP OF WALL ELEV. 172.5'
309	(N) 48" HDPE STORM DRAIN, SLURRY BACKFILL
310	(N) 48"x48"x24" HDPE TEE
311	(N) 24" HDPE RISER AND 24" TRAFFIC RATED GRATE INLET, TOP OF GRATE ELEV. 167.5'
312	(N) 48" RCP STORM DRAIN
313	(N) CONCRETE PIPE COLLAR
314	(N) 48" RCP FLARED END SECTION.
318	ROCK SLOPE PROTECTION AT FLARED END SECTION PER 21C-31
319	CONCRETE COLLAR PER 11C-31



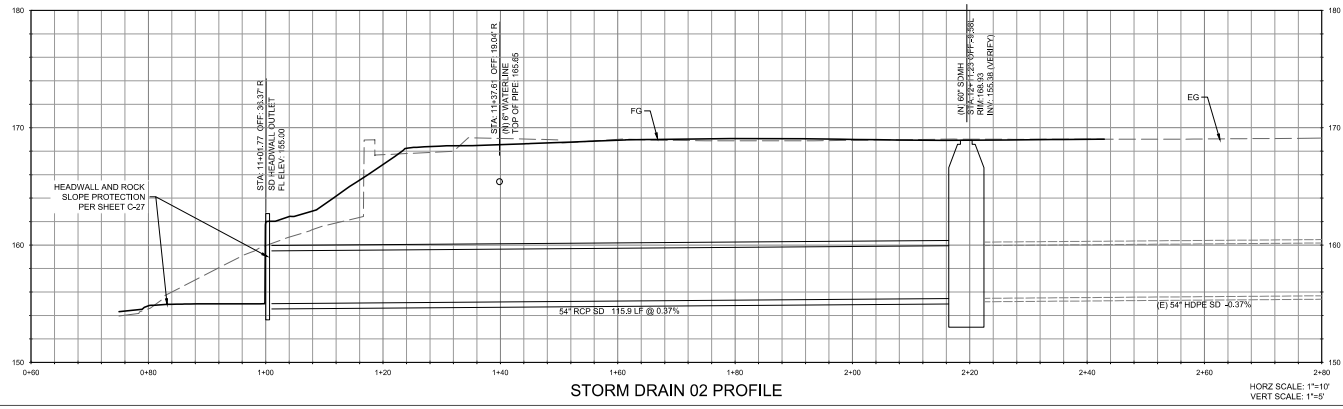
STORM DRAIN 01 PROFILE

HORIZ SCALE: 1"=10'  
VERT SCALE: 1"=5'



STORM DRAIN 01 & 02 PLAN VIEW

SCALE: 1"=20'



STORM DRAIN 02 PROFILE

HORIZ SCALE: 1"=10'  
VERT SCALE: 1"=5'



MID-HIGUERA BYPASS  
ROADWAY AND UTILITY DETAILS

PROJECT TITLE

SHEET TITLE

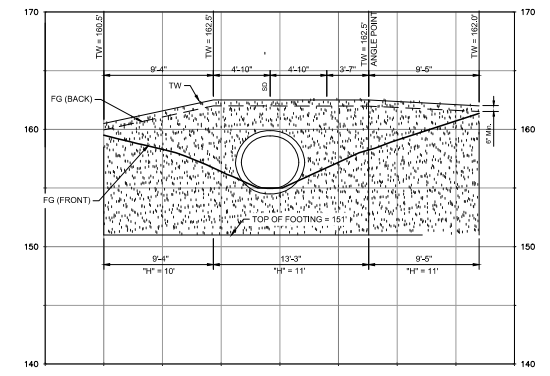
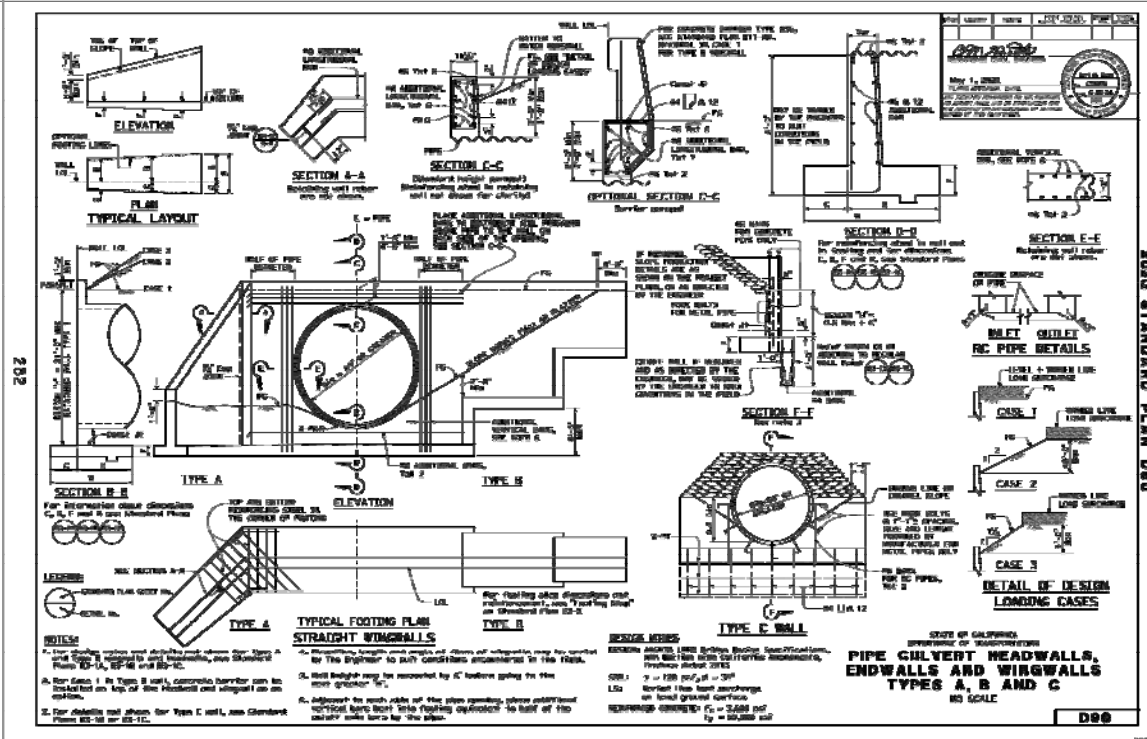


DESIGNED BY: VGH  
DRAWN BY: CK  
CHECKED BY: CAC

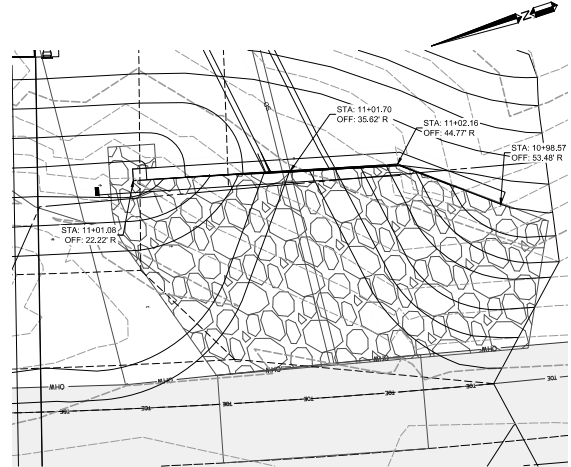
APPROVED BY:  
SCALE: AS SHOWN  
DATE: 6/11/2024  
CITY SPECIFICATION NO.: 2090649  
PLAN FILE NO.: LOCATION

SHEET NO.

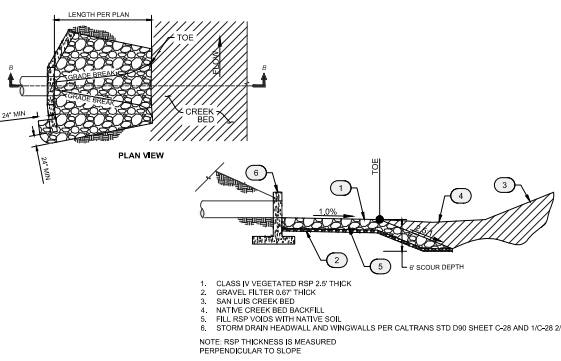
C-30 of 65



1 SECTION A - STORM DRAIN HEADWALL Scale: 1:5



2 STORM DRAIN HEADWALL PLAN VIEW Scale: 1:5  
NOTE: OVERHEAD UTILITIES NOT SHOWN, REFER TO SHEET C-24.



3 ROCK SLOPE PROTECTION AT STORM DRAIN OUTLET Scale: N.T.S.



MID-HIGUERA BYPASS

ROADWAY AND UTILITY DETAILS

PROJECT TITLE

SHEET TITLE



DESIGNED BY: VGH  
 DRAWN BY: CPK  
 CHECKED BY: CAC  
 APPROVED BY:

SCALE: AS SHOWN

DATE: 6/11/2024

CITY SPECIFICATION NO.: 2090649

PLAN FILE NO.: LOCATION

SHEET NO.

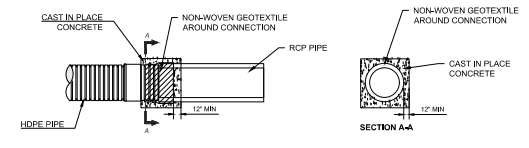
C-31 of 65

**REINFORCEMENT MODIFICATION**  
 1. Minimum amount of reinforcement shall be provided in all directions.  
 2. Minimum amount of reinforcement shall be provided in all directions.  
 3. Minimum amount of reinforcement shall be provided in all directions.

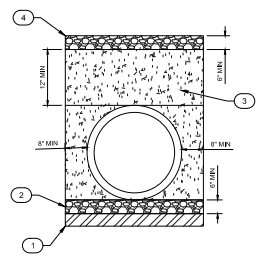
**DETAIL OF DESIGN LOADING CASES**  
 1. Length of wall above C pipe is not less than 1.00 ft. The ends of headwall shall be as described in this sheet by use of "A".  
 2. Single circular pipe or double RCP shall use the "L" headwall. For double pipe or "L" headwall, use "L" headwall in design. Details shown for "L" headwall. For "L" headwall, use "L" headwall in design. Details shown for "L" headwall.  
 3. Details shall be as shown on top of sheet when shown as Project Items. Use dimension from left of the detail walling structure.  
 4. Add reinforcement to each side of the roadway, plus additional reinforcement equivalent to half the reinforcement detail reinforcement.  
 5. Reinforce and parapets and the design structure only. Its distribution is made for pipe or arch openings.  
 6. Provide necessary erosion protection in front of wall.  
 7. If primary consideration is to avoid the design of abutment, use of "A" or "B" shall be used. Details shown for "A" or "B" shall be used. Details shown for "A" or "B" shall be used.  
 8. Minimum earth cover of two feet at end of the roadway without cap provided on the pipe.

**REINFORCED CONCRETE HEADWALL**  
 Reinforcement shall be provided in all directions and be as shown on the drawings.

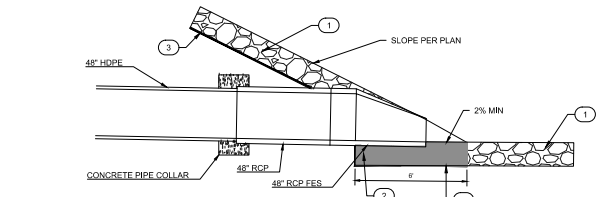
**PIPE CULVERT HEADWALLS STRAIGHT AND "L"**  
 DB8A



1 CONCRETE COLLAR AT HDPE TO RCP CONNECTION Scale: N.T.S.



3 TYPICAL SECTION, 48" HDPE AND 48" RCP Scale: N.T.S.



2 RSP AT FLARED END SECTION OUTLET Scale: N.T.S.

1. CLASS II VEGETATED RSP 2.0 THICK FILL RSP VOIDS WITH NATIVE SOIL.
  2. CLASS III RSP 2.0 THICK GROUTED.
  3. RSP FABRIC.
- NOTE: RSP THICKNESS IS MEASURED PERPENDICULAR TO SLOPE.



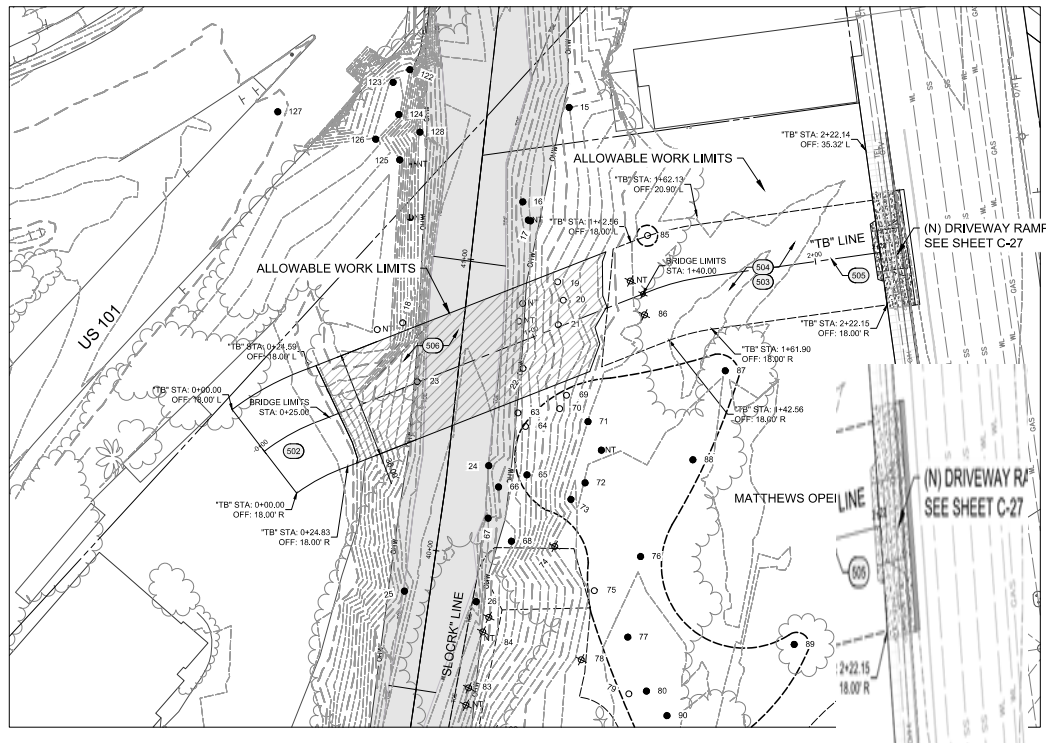
**MID-HIGUERA BYPASS**  
**MATTHEWS OPEN SPACE TEMPORARY BRIDGE**

PROJECT TITLE

SHEET TITLE

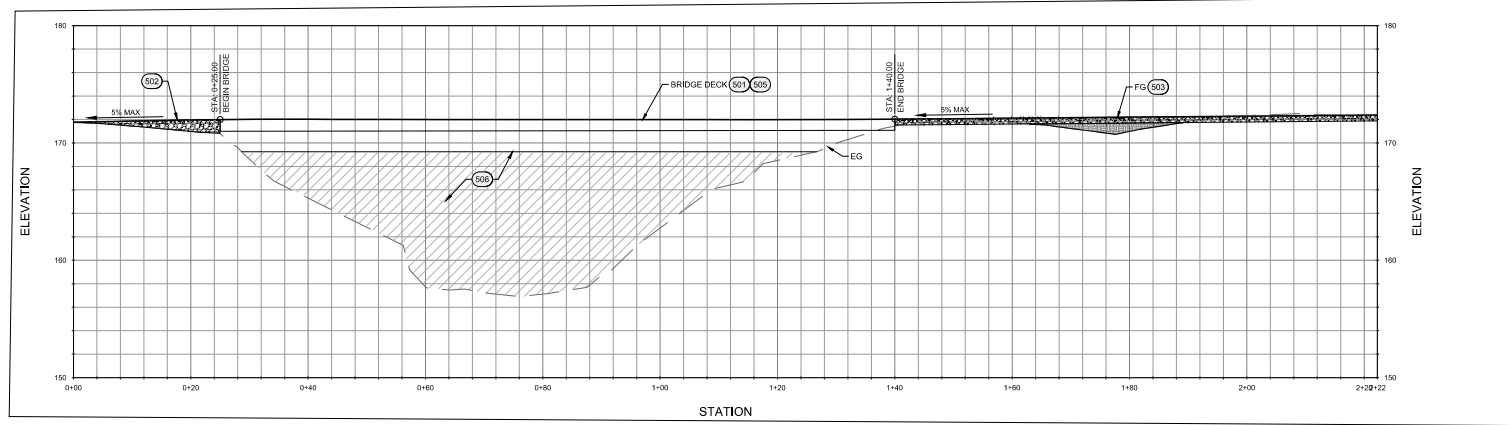


DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 20'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **2006649**  
 PLAN FILE NO./LOCATION: **0661-0091 GRAB5.dwg**  
 SHEET NO.



XXX	DESCRIPTION
500	TEMPORARY BRIDGE
501	TEMPORARY BRIDGE FOR PRIVATE PROPERTY OWNER ACCESS ONLY
502	CLASS 3 AGGREGATE BASE APPROACH RAMP. REMOVE AFTER THE BRIDGE HAS BEEN REMOVED AND RESTORE SITE TO PRECONSTRUCTION CONDITIONS, OR PER GRADING PLANS IN THE GRADING AREAS.
503	TEMPORARY GRADING FOR APPROACH RAMP. REMOVE AND RESTORE SITE TO PRE-CONSTRUCTION CONDITIONS, OR PER GRADING PLANS IN GRADING AREAS. CUT SLOPES NOT TO EXCEED 2:1
504	20' WIDE 6-INCH THICK LAYER OF CLASS 2 AGGREGATE BASE. PREPARE AND COMPACT THE SUBGRADE. REMOVE AFTER THE BRIDGE HAS BEEN REMOVED AND RESTORE SITE TO PRECONSTRUCTION CONDITIONS, OR PER GRADING PLANS IN THE GRADING AREAS.
505	BRIDGE ALIGNMENT AND PROFILE SHOWN FOR PLANNING AND BIDDING PURPOSES ONLY. BRIDGE ALIGNMENT AND PROFILE MAY BE ADJUSTED FOR FINAL BRIDGE DESIGN WITHIN THE ALLOWABLE WORK LIMITS AND ELEVATION LIMITATIONS SHOWN. SEE SPECIAL PROVISIONS SECTION 46.7
506	NO STRUCTURAL ELEMENTS OF BRIDGE TO BE LOCATED WITHIN THE CREEK BANKS BELOW ELEVATION 169.25 FEET.

LEGEND	
● 100	(E) TREE AND TAG NUMBER
● NT	(E) TREE WITHOUT TAG
⊗ 100	REMOVE (E) TREE
○ 100	(E) TREE. SEE NOTE PER EXISTING TREE PLAN
---	TEMPORARY HIGH VISIBILITY FENCE
---	PROPOSED SURFACE GRADING LIMIT
---	BYPASS CHANNEL TOE
---	(E) TOE OF SLOPE
---	FINISHED GRADE CONTOUR
---	(E) GRADE CONTOUR
---	ORDINARY HIGH WATER MARK LIMIT
---	ORDINARY HIGH WATER (OHW)
---	PROPOSED RSP
---	(E) CONCRETE SACK WALL
---	CREEK DEWATERING LIMITS
---	PARCEL LINE FROM CITY GIS







**MID-HIGUERA BYPASS**

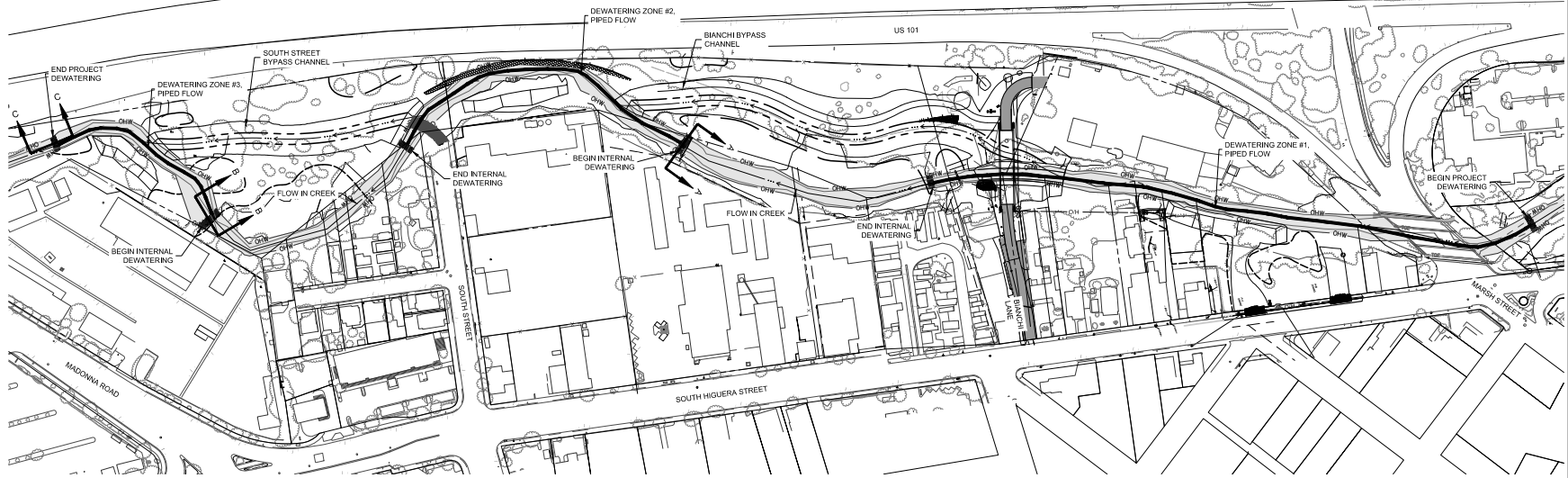
**DEWATERING PLANS**

PROJECT TITLE:  
SHEET TITLE:



DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:

SCALE: **1" = 100'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO.: **2090649**  
 PLAN FILE NO.: LOCATION: **098-0091 DWTR.dwg**  
 SHEET NO.:



**DIVERSION AND DEWATERING GENERAL NOTES**

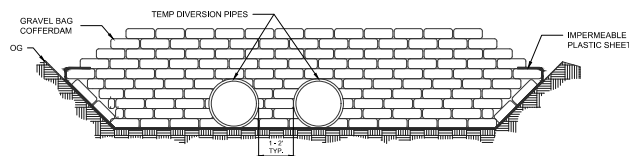
- SEE SPECIAL PROVISIONS SECTION 13-12 FOR DIVERSION SYSTEM REQUIREMENTS.
- INSTALLATION AND REMOVAL OF THE DIVERSION SYSTEM REQUIRES OBSERVATION AND MONITORING BY THE CITY BIOLOGIST. COORDINATE WITH THE BIOLOGIST REGARDING THE NECESSARY SCHEDULES AND DO NOT PROCEED WITH THE WORK UNTIL CLEARANCE IS RECEIVED FROM THE BIOLOGIST.
- PROVIDE DETAILED DIVERSION PLAN AND SCHEDULE, INCLUDING, BUT NOT LIMITED TO, THE STEPS OUTLINED BELOW PLUS PROCEDURES FOR MOVING THE DIVERSION PIPES IN AND OUT OF THE CREEK, TO BE APPROVED BY THE ENGINEER PRIOR TO UNDERTAKING DIVERSION AND DEWATERING OPERATIONS.
- REFER TO CALTRANS CLEAN WATER DIVERSION NS-6 AND DEWATERING OPERATIONS NS-2 FOR DIVERSION AND DEWATERING PROCEDURES. PUMPED DIVERSION IS NOT AN OPTION.
- WORK IN THE CREEK SHALL TAKE PLACE IN THE DEWATERED AREAS ONLY.
- RESTORE THE CREEK FLOWLINE TO PRE-CONSTRUCTION ALIGNMENT, GRADE, AND CROSS SECTION OR TO PROPOSED ALIGNMENT, GRADE, AND CROSS SECTION AS SHOWN ON THE PLANS WHEN WORK IN THE CREEK IS COMPLETE.
- AT CONTRACTOR'S OPTION, CRUSHED ROCK IN CONFORMANCE WITH THE SPECIAL PROVISIONS CAN BE USED IN LIEU OF GRAVEL BAGS.

**DIVERSION INSTALLATION NOTES**

- CONSTRUCT THE PROJECT DURING LOW FLOWS OR AS DIRECTED BY ENVIRONMENTAL PERMITS. ISOLATE THE WORK AREA FROM THE CREEK BY INSTALLING A TEMPORARY DIVERSION SYSTEM. MAINTAIN THE DIVERSION SYSTEM IN PLACE UNTIL CONSTRUCTION OPERATIONS ARE COMPLETE.
- FOR WORK AREAS WHERE THE DIVERSION PIPING WILL NEED TO BE RELOCATED DURING THE COURSE OF WORK, THE DIVERSION SYSTEM SHALL UTILIZE EITHER 2 PARALLEL PIPES WITH DIVERSION STRUCTURE, OR ONE PIPE WITH RELOCATION PLAN.
- DO NOT INTERRUPT FLOW THROUGH THE DIVERSION SYSTEM EXCEPT FOR ALLOWANCE OF DIVERTING TO AN ALTERNATIVE PIPE, IF NECESSARY.
- THE PROJECT BIOLOGIST WILL RELOCATE FISH FROM THE ISOLATED WORK AREA PER ENVIRONMENTAL AGENCY PERMIT REQUIREMENTS.
- AFTER THE DIVERSION SYSTEM IS IN PLACE, REMAINING WATER IN THE WORK AREA MAY BE PUMPED OUT. SCREEN THE SUCTION HOSE TO PREVENT FISH FROM BEING TAKEN INTO THE SUCTION HOSE. DO NOT ALLOW DISCHARGE TO RE-ENTER THE CREEK UNTIL SUSPENDED SOLIDS HAVE SETTLED.
- THE CREEK BED AND FLOWLINE PROFILE MAY FLUCTUATE DURING CONSTRUCTION. MAINTAIN ADEQUATE FALL IN THE PIPE AT ALL TIMES TO CONVEY FLOW THROUGH THE DIVERSION SYSTEM.

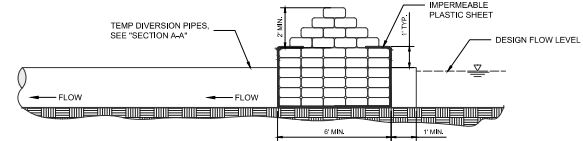
**DIVERSION REMOVAL NOTES**

- ALL CONSTRUCTION ITEMS EXCEPT DIVERSION SYSTEM REMOVAL AND CONSTRUCTION ACCESS REMOVAL SHALL BE COMPLETE PRIOR TO REMOVING DIVERSION SYSTEM.
- REMOVE THE DIVERSION SYSTEM IN PHASES TO SLOWLY SATURATE THE LOW FLOW CHANNEL. REMOVAL MAY REQUIRE A MULT-DAY PERIOD UNTIL THE FLOW IS ENTIRELY IN THE LOW FLOW CHANNEL.
- PREVENT CONCENTRATED OVERFLOW FROM SCOURING THE CHANNEL AND/OR BANKS DOWNSTREAM.

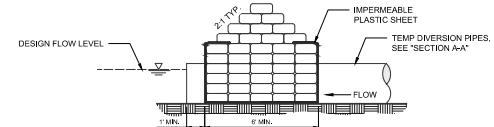


**SECTION A-A  
TYPICAL COFFER DAM**

**1 CREEK DIVERSION DETAILS**



**SECTION B-B  
DIVERSION PIPE INLET**



**SECTION C-C  
DIVERSION PIPE OUTLET**

NTS



**MID-HIGUERA BYPASS  
EXISTING TREE PLAN**

PROJECT TITLE

SHEET TITLE



DESIGNED BY: VGH

DRAWN BY: CK

CHECKED BY: CAC

APPROVED BY:

SCALE: 1" = 30'

DATE: 6/11/2024

CITY SPECIFICATION NO: 200649

PLAN FILE NO. LOCATION: 0061-0081-TREE.dwg

SHEET NO.

C-34 of 65

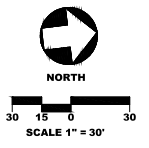


ID No.	No. Trunks	DBH (in)	Common Name
240	2	27	Blue Gum
241	2	22	Arroyo Willow
242	5	19	Arroyo Willow
243	2	14	Arroyo Willow
244	2	20	Arroyo Willow
245	1	13	Arroyo Willow
246	1	10	Arroyo Willow
247	1	23	Fremont's Cottonwood
248	1	25	California Sycamore
249	1	29	Arroyo Willow
250	1	31	California Sycamore
251	1	17	Fremont's Cottonwood
252	1	9	Arroyo Willow
253	1	14	California Sycamore
254	4	17	Arroyo Willow
255	1	31	Arroyo Willow
256	3	20	California Sycamore
257	1	9	Arroyo Willow
258	1	8	Southern California Black Walnut
259	1	15	Southern California Black Walnut
260	3	28	Ornamental
261	1	10	Arroyo Willow
262	2	85	Blue Gum
263	1	23	Blue Gum
264	4	69	Blue Gum
265	4	35	Blue Gum
266	1	70	Blue Gum
267	1	140	Blue Gum
268	4	27	Arroyo Willow
269	1	64	Blue Gum
270	1	40	Blue Gum
271	1	17	Coast Live Oak
272	2	67	Blue Gum
273	2	19	Arroyo Willow
274	2	18	Southern California Black Walnut
275	2	11	Arroyo Willow
276	1	9	California Sycamore
277	2	31	Arroyo Willow
278	1	8	Arroyo Willow
279	1	35	Blue Gum
280	1	48	Blue Gum
281	1	50	Blue Gum
282	5	38	California Bay
283	2	20	Southern California Black Walnut
284	1	25	Peruvian Pepper
285	2	11	Arroyo Willow
286	4	17	Arroyo Willow
287	1	15	Arroyo Willow
288	2	33	Arroyo Willow
289	4	35	Southern California Black Walnut
290	3	26	California Bay
291	2	29	Southern California Black Walnut
292	2	26	Arroyo Willow
293	1	13	Arroyo Willow
294	2	23	Arroyo Willow
295	3	15	Arroyo Willow
296	2	4	Coast Live Oak
297	3	20	Coast Live Oak
298	2	21	Arroyo Willow
299	1	10	Arroyo Willow
300	4	51	Southern California Black Walnut
301	10	30	Peruvian Pepper
302	10	0	Coast Live Oak
303	2	10	Valley Oak
304	6	49	Ornamental
305	2	35	Ornamental
306	1	11	Coast Live Oak
307	10	26	Peruvian Pepper
308	11	26	Peruvian Pepper
309	9	22	Peruvian Pepper
310	5	32	Arroyo Willow
311	1	11	Arroyo Willow
312	2	22	Arroyo Willow
313	5	24	Arroyo Willow
314	9	18	Peruvian Pepper
315	7	51	Peruvian Pepper
316	3	19	Arroyo Willow
317	3	17	Arroyo Willow
318	4	54	Fremont's Cottonwood
319	2	27	Peruvian Pepper
320	3	37	Ornamental
321	1	10	Peruvian Pepper
322	2	28	Coast Live Oak
323	2	26	Arroyo Willow
324	4	39	Arroyo Willow
325	2	10	Coast Live Oak
326	2	33	Southern California Black Walnut
327	1	9	Southern California Black Walnut
328	2	32	Arroyo Willow
329	3	28	Arroyo Willow
330	2	29	Arroyo Willow
331	1	24	Arroyo Willow

**REFERENCE NOTES:**

xxx	DESCRIPTION
200	TREES
202	PRUNE TREE
203	PRUNE TREE AND TREE ROOTS
205	REMOVE TREE TO (E) GROUND, ROOTS TO REMAIN
206	TREE REMOVED TO STUMP BY OTHERS PRIOR TO START OF WORK, REMOVE STUMP AND ROOTS.

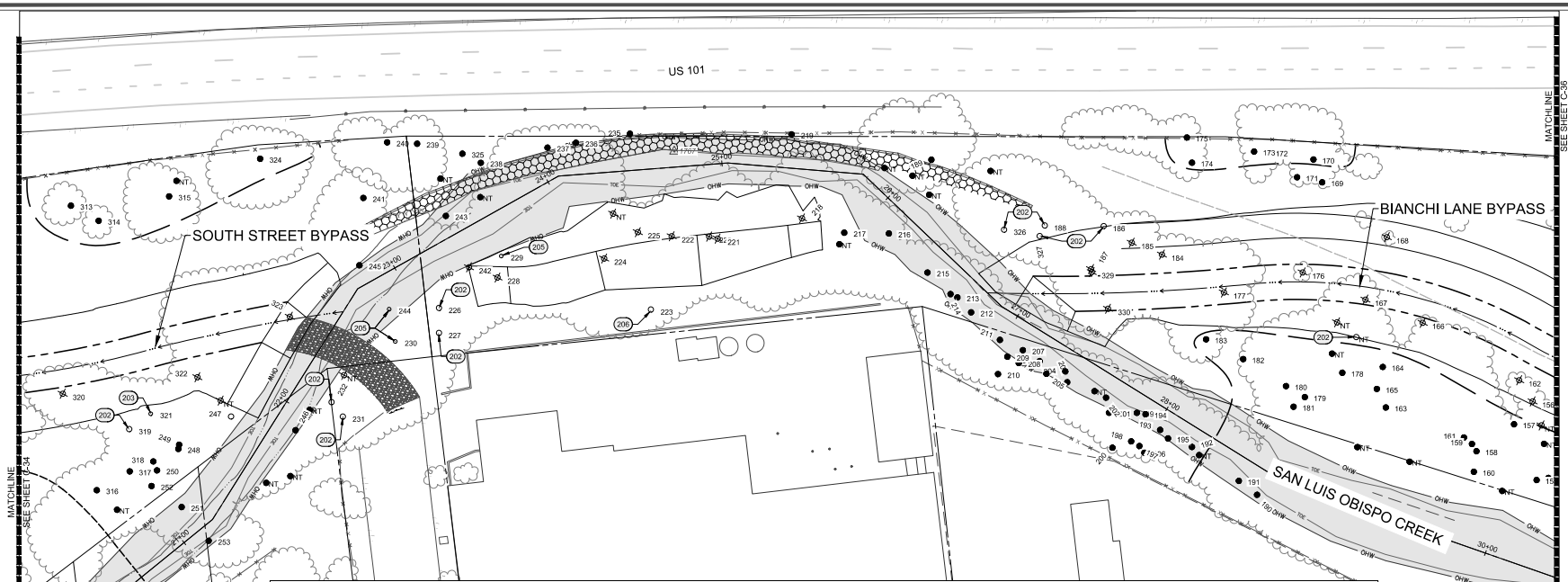
- LEGEND:**
- 100 (E) TREE AND TAG NUMBER
  - ⊗ REMOVE (E) TREE
  - NT (E) TREE WITHOUT TAG
  - (E) TREE, SEE NOTE



US 101



**MID-HIGUERA BYPASS  
EXISTING TREE PLAN**



ID No.	No. Trunks	DBH (in)	Common Name
150	1	16	California Sycamore
151	1	11	California Sycamore
152	1	10	California Sycamore
153	2	26	California Sycamore
154	1	17	California Sycamore
155	1	16	California Sycamore
156	1	8	Coast Live Oak
157	1	7	Coast Live Oak
158	1	12	Arroyo Willow
159	2	20	Arroyo Willow
160	2	28	Southern California Black Walnut
161	2	28	Arroyo Willow
162	1	9	Coast Live Oak
163	1	10	Arroyo Willow
164	4	12	Arroyo Willow
165	1	10	Arroyo Willow
166	4	45	Coast Live Oak
167	1	8	Coast Live Oak
168	1	4.5	Valley Oak
169	3	9	Coast Live Oak
170	2	13	Golden Wattle
171	4	10	Coast Live Oak
172	3	15	Ornamental
173	2	16	Ornamental
174	2	27	Peruvian Pepper
175	1	9	Peruvian Pepper
176	1	8	Coast Live Oak
177	9	41	Arroyo Willow
178	1	17	Arroyo Willow
179	2	20	Arroyo Willow
180	2	27	Arroyo Willow
181	2	26	Arroyo Willow
182	1	17	Southern California Black Walnut
183	1	19	Arroyo Willow
184	4	12	Arroyo Willow
185	3	10	Arroyo Willow
186	3	28	Southern California Black Walnut
187	2	13	Arroyo Willow

ID No.	No. Trunks	DBH (in)	Common Name
188	1	13	Arroyo Willow
189	1	13	Peruvian Pepper
190	4	27	Arroyo Willow
191	3	32	Arroyo Willow
192	12	66	Arroyo Willow
193	1	10	Arroyo Willow
194	1	12	Arroyo Willow
195	2	8	Arroyo Willow
196	4	19	Arroyo Willow
197	3	9	Arroyo Willow
198	6	17	Arroyo Willow
199	2	13	Arroyo Willow
200	3	6	Coast Live Oak
201	4	33	Arroyo Willow
202	2	15	Arroyo Willow
203	11	9	Arroyo Willow
204	3	19	Arroyo Willow
205	2	12	Arroyo Willow
206	4	16	Arroyo Willow
207	3	20	Arroyo Willow
208	2	24	Arroyo Willow
209	1	8	Arroyo Willow
210	5	37	Arroyo Willow
211	1	16	Arroyo Willow
212	2	14	Southern California Black Walnut
213	5	57	Fremont's Cottonwood
214	2	21	Arroyo Willow
215	1	9	Arroyo Willow
216	1	13	Arroyo Willow
217	6	53	Arroyo Willow
218	3	57	Arroyo Willow
219	1	5	Arroyo Willow
220	1	12	Arroyo Willow
221	3	46	Arroyo Willow
222	1	14	Southern California Black Walnut
223	1	>80	Blue Gum
224	1	19	Arroyo Willow
225	2	10	Arroyo Willow

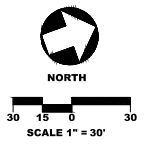
ID No.	No. Trunks	DBH (in)	Common Name
226	2	68	Fremont's Cottonwood
227	1	10	Peruvian Pepper
228	2	18	Southern California Black Walnut
229	6	53	Arroyo Willow
230	1	25	Fremont's Cottonwood
231	2	12	Arroyo Willow
232	5	64	Southern California Black Walnut
235	1	7	Valley Oak
236	2	44	Peruvian Pepper
237	3	40	Peruvian Pepper
238	4	22	Arroyo Willow
239	3	46	Blue Gum
240	2	27	Blue Gum
241	2	22	Arroyo Willow
242	5	19	Arroyo Willow
243	2	14	Arroyo Willow
244	2	20	Arroyo Willow
245	1	13	Arroyo Willow
246	1	10	Arroyo Willow
247	1	23	Fremont's Cottonwood
248	1	25	California Sycamore
249	1	29	Arroyo Willow
250	1	31	California Sycamore
251	1	17	Fremont's Cottonwood
252	1	9	Arroyo Willow
253	1	14	California Sycamore
254	4	17	Arroyo Willow
255	1	21	Arroyo Willow
256	3	20	California Sycamore
257	1	9	Arroyo Willow
258	1	8	Southern California Black Walnut
259	1	15	Southern California Black Walnut
310	5	32	Arroyo Willow
311	1	11	Arroyo Willow
312	2	22	Arroyo Willow
313	5	24	Arroyo Willow
314	9	18	Peruvian Pepper
315	7	91	Peruvian Pepper

ID No.	No. Trunks	DBH (in)	Common Name
316	3	19	Arroyo Willow
317	3	17	Arroyo Willow
318	4	54	Fremont's Cottonwood
319	2	27	Peruvian Pepper
320	3	37	Ornamental
321	1	10	Peruvian Pepper
322	2	28	Coast Live Oak
323	2	26	Arroyo Willow
324	4	39	Arroyo Willow
325	2	10	Coast Live Oak
326	2	33	Southern California Black Walnut
327	1	9	Southern California Black Walnut
329	3	28	Arroyo Willow
330	2	29	Arroyo Willow
331	1	24	Arroyo Willow

**REFERENCE NOTES:**

XXX	DESCRIPTION
200	TREES
202	PRUNE TREE
203	PRUNE TREE AND TREE ROOTS
205	REMOVE TREE TO (E) GROUND, ROOTS TO REMAIN
206	TREE REMOVED TO STUMP BY OTHERS PRIOR TO START OF WORK, REMOVE STUMP AND ROOTS.

- LEGEND:**
- 100 (E) TREE AND TAG NUMBER
  - ⊗ REMOVE (E) TREE
  - NT (E) TREE WITHOUT TAG
  - (E) TREE, SEE NOTE



PROJECT TITLE

SHEET TITLE



DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 30'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **200649**  
 PLAN FILE NO./LOCATION: **0061-0091-TREE.dwg**  
 SHEET NO.



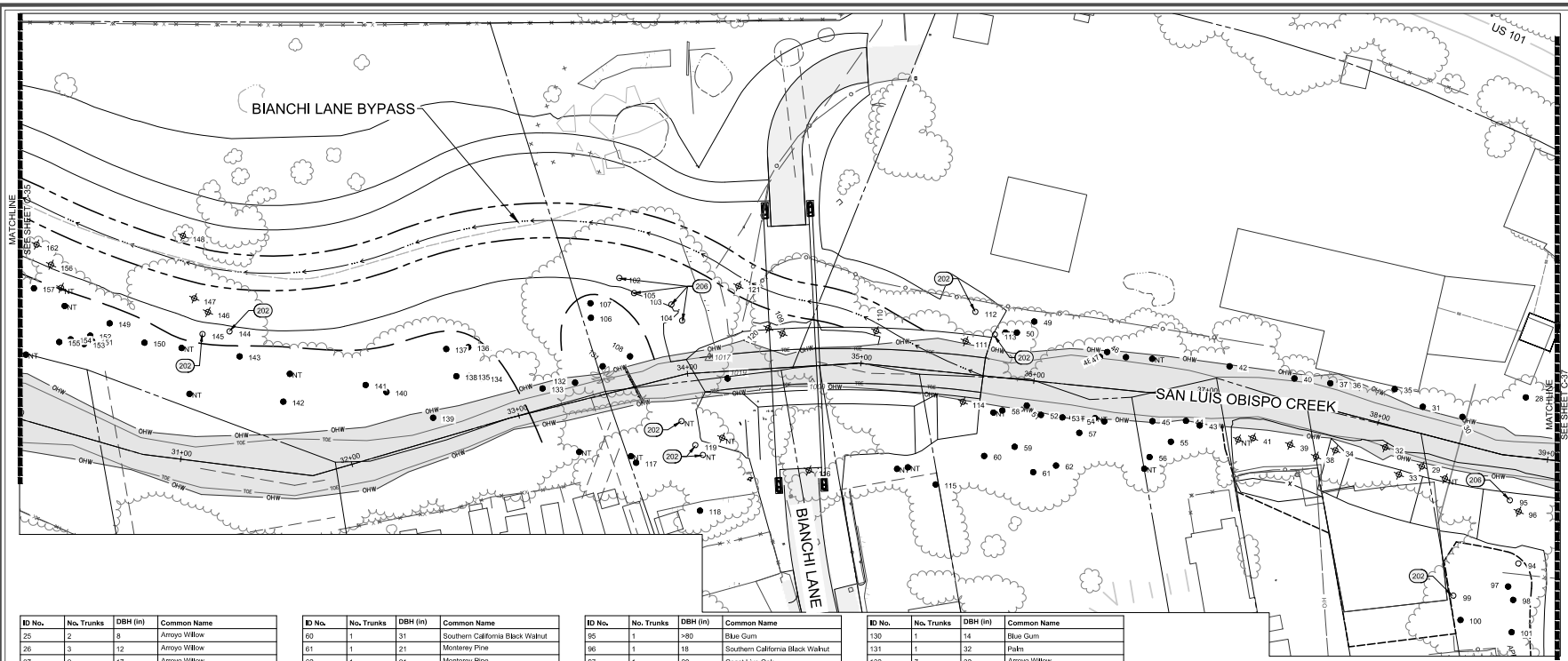
**MID-HIGUERA BYPASS  
EXISTING TREE PLAN**

PROJECT TITLE

SHEET TITLE



DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: 1" = 30'  
 DATE: 6/11/2024  
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 PLAN FILE NO. LOCATION: 0061-0091-TREE.dwg  
 SHEET NO.



ID No.	No. Trunks	DBH (in)	Common Name
25	2	8	Arroyo Willow
26	3	12	Arroyo Willow
27	2	17	Arroyo Willow
28	3	85	Southern California Black Walnut
29	4	32	Arroyo Willow
30	1	35	Arroyo Willow
31	6	22	California Sycamore
32	2	23	Arroyo Willow
33	2	21	Arroyo Willow
34	1	25	Arroyo Willow
35	1	38	Arroyo Willow
36	1	10	Arroyo Willow
37	1	26	Arroyo Willow
38	1	16	Arroyo Willow
39	4	87	Southern California Black Walnut
40	4	33	Arroyo Willow
41	5	32	Arroyo Willow
42	1	28	Arroyo Willow
43	1	17	Southern California Black Walnut
44	2	18	Chinese Elm
45	5	34	Chinese Elm
46	4	81	Arroyo Willow
47	1	19	Arroyo Willow
48	1	21	Arroyo Willow
49	1	8	Southern California Black Walnut
50	1	8	Avocado
51	2	10	Arroyo Willow
52	1	8	Chinese Elm
53	3	13	Chinese Elm
54	3	13	Chinese Elm
55	2	11	Chinese Elm
56	8	51	Chinese Elm
57	3	26	Southern California Black Walnut
58	1	21	Southern California Black Walnut
59	1	12	Chinese Elm

ID No.	No. Trunks	DBH (in)	Common Name
60	1	31	Southern California Black Walnut
61	1	21	Monteary Pine
62	1	21	Monteary Pine
63	1	11	Fremont's Cottonwood
64	2	13	Fremont's Cottonwood
65	1	9	Fremont's Cottonwood
66	7	31	Fremont's Cottonwood
67	1	10	Fremont's Cottonwood
68	4	19	Arroyo Willow
69	1	21	Fremont's Cottonwood
70	1	21	Fremont's Cottonwood
71	1	31	California Sycamore
72	1	12	Valley Oak
73	1	23	Coast Live Oak
74	1	22	Fremont's Cottonwood
75	3	9	Coast Live Oak
76	1	31	Coast Live Oak
77	1	20	Fremont's Cottonwood
78	2	17	Coast Live Oak
79	3	20	Fremont's Cottonwood
80	3	16	Fremont's Cottonwood
81	2	14	Avocado
82	1	31	Coast Live Oak
83	1	29	Fremont's Cottonwood
84	6	24	Arroyo Willow
85	3	28	Coast Live Oak
86	2	6	Coast Live Oak
87	9	85	Coast Live Oak
88	2	38	Coast Live Oak
89	2	14	Persimmon
90	1	19	Coast Live Oak
91	1	20	Coast Live Oak
92	5	13	Ornamental
93	1	15	Coast Live Oak
94	1	33	Coast Live Oak

ID No.	No. Trunks	DBH (in)	Common Name
95	1	>80	Blue Gum
96	1	18	Southern California Black Walnut
97	1	20	Coast Live Oak
98	2	25	Coast Live Oak
99	1	38	California Sycamore
100	3	26	Black Elderberry
101	1	15	Avocado
102	1	>80	Blue Gum
103	1	21	Blue Gum
104	2	80	Blue Gum
105	2	29	Blue Gum
106	2	12	Blue Gum
107	3	75	Blue Gum
108	2	44	Blue Gum
109	3	39	Southern California Black Walnut
110	2	56	Arroyo Willow
111	5	22	Arroyo Willow
112	6	43	Arroyo Willow
113	1	8	Southern California Black Walnut
114	1	18	Arroyo Willow
115	1	25	Ornamental
116	1	13	Arroyo Willow
117	6	55	California Bay
118	1	9	Arroyo Willow
119	4	60	Arroyo Willow
120	2	19	Arroyo Willow
121	2	21	Arroyo Willow
122	4	36	Golden Wattle
123	1	14	Golden Wattle
124	4	20	Golden Wattle
125	1	25	Golden Wattle
126	1	14	Coast Live Oak
127	2	14	Coast Live Oak
128	4	32	Golden Wattle
129	3	44	Coast Live Oak

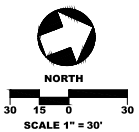
ID No.	No. Trunks	DBH (in)	Common Name
130	1	14	Blue Gum
131	1	32	Palm
132	7	32	Arroyo Willow
133	3	20	Arroyo Willow
134	7	26	Arroyo Willow
135	1	5	Arroyo Willow
136	2	8	Arroyo Willow
137	3	22	Arroyo Willow
138	3	17	Arroyo Willow
139	2	96	Arroyo Willow
140	1	10	Arroyo Willow
141	7	39	Arroyo Willow
142	4	48	California Sycamore
143	3	20	California Bay
144	1	11	Arroyo Willow
145	2	30	Arroyo Willow
146	1	8	Coast Live Oak
147	4	30	Arroyo Willow
148	7	25	Ornamental
149	3	71	California Sycamore
150	1	16	California Sycamore
151	1	11	California Sycamore
152	1	10	California Sycamore
153	2	26	California Sycamore
154	1	17	California Sycamore
155	1	16	California Sycamore
156	1	8	Coast Live Oak
157	1	7	Coast Live Oak
158	1	12	Arroyo Willow
159	2	20	Arroyo Willow
160	2	28	Southern California Black Walnut
161	2	28	Arroyo Willow
162	1	9	Coast Live Oak

**REFERENCE NOTES:**

XXX	DESCRIPTION
200	TREES
202	PRUNE TREE
203	PRUNE TREE AND TREE ROOTS
205	REMOVE TREE TO (E) GROUND, ROOTS TO REMAIN
206	TREE REMOVED TO STUMP BY OTHERS PRIOR TO START OF WORK, REMOVE STUMP AND ROOTS.

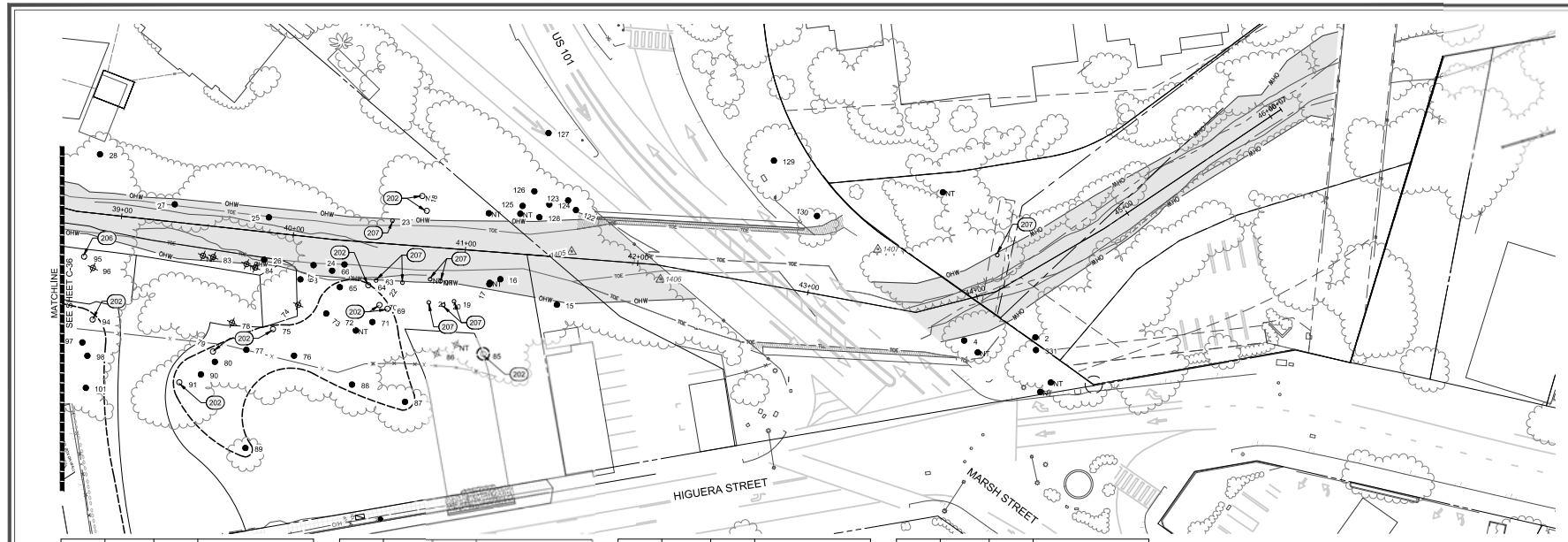
**LEGEND:**

- 100 (E) TREE AND TAG NUMBER
- ⊗ REMOVE (E) TREE
- NT (E) TREE WITHOUT TAG
- (E) TREE, SEE NOTE





**MID-HIGUERA BYPASS  
EXISTING TREE PLAN**



ID No.	No. Trunks	DBH (in)	Common Name
1	3	26	Arroyo Willow
2	5	102	Arroyo Willow
4	6	20	Arroyo Willow
15	6	56	Arroyo Willow
16	1	10	Fremont's Cottonwood
17	1	11	Fremont's Cottonwood
18	6	44	Arroyo Willow
19	1	37	Fremont's Cottonwood
20	1	38	Fremont's Cottonwood
21	1	35	Fremont's Cottonwood
22	6	32	Fremont's Cottonwood
23	1	30	Arroyo Willow
24	1	9	Fremont's Cottonwood
25	2	8	Arroyo Willow
26	3	12	Arroyo Willow
27	2	17	Arroyo Willow
28	3	85	Southern California Black Walnut
29	4	32	Arroyo Willow
30	1	35	Arroyo Willow
31	6	22	California Sycamore
32	2	23	Arroyo Willow
33	2	21	Arroyo Willow
34	1	25	Arroyo Willow
35	1	38	Arroyo Willow
36	1	10	Arroyo Willow
37	1	26	Arroyo Willow
38	1	16	Arroyo Willow
39	4	67	Southern California Black Walnut
40	4	33	Arroyo Willow
41	5	32	Arroyo Willow
42	1	28	Arroyo Willow
43	1	17	Southern California Black Walnut
44	2	18	Chinese Elm
45	5	34	Chinese Elm
46	4	81	Arroyo Willow
47	1	19	Arroyo Willow
48	1	21	Arroyo Willow
49	1	8	Southern California Black Walnut
50	1	8	Avocado
51	2	10	Arroyo Willow

ID No.	No. Trunks	DBH (in)	Common Name
52	1	8	Chinese Elm
53	3	13	Chinese Elm
54	3	13	Chinese Elm
55	2	11	Chinese Elm
56	8	51	Chinese Elm
57	3	26	Southern California Black Walnut
58	1	21	Southern California Black Walnut
59	1	12	Chinese Elm
60	1	31	Southern California Black Walnut
61	1	21	Monterey Pine
62	1	21	Monterey Pine
63	1	11	Fremont's Cottonwood
64	2	13	Fremont's Cottonwood
65	1	9	Fremont's Cottonwood
66	7	31	Fremont's Cottonwood
67	1	10	Fremont's Cottonwood
68	4	19	Arroyo Willow
69	1	21	Fremont's Cottonwood
70	1	21	Fremont's Cottonwood
71	1	31	California Sycamore
72	1	12	Valley Oak
73	1	23	Coast Live Oak
74	1	22	Fremont's Cottonwood
75	3	9	Coast Live Oak
76	1	31	Coast Live Oak
77	1	20	Fremont's Cottonwood
78	2	17	Coast Live Oak
79	3	20	Fremont's Cottonwood
80	3	16	Fremont's Cottonwood
81	2	14	Avocado
82	1	31	Coast Live Oak
83	1	28	Fremont's Cottonwood
84	6	24	Arroyo Willow
85	3	28	Coast Live Oak
86	2	6	Coast Live Oak
87	9	85	Coast Live Oak
88	2	36	Coast Live Oak
89	2	14	Persimmon
90	1	19	Coast Live Oak
91	1	20	Coast Live Oak

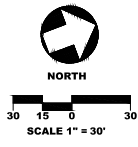
ID No.	No. Trunks	DBH (in)	Common Name
92	5	13	Ornamental
93	1	15	Coast Live Oak
94	1	33	Coast Live Oak
95	1	>80	Blue Gum
96	1	18	Southern California Black Walnut
97	1	20	Coast Live Oak
98	2	25	Coast Live Oak
99	1	38	California Sycamore
100	3	28	Black Elderberry
101	1	15	Avocado
102	1	>80	Blue Gum
103	1	21	Blue Gum
104	2	60	Blue Gum
105	2	28	Blue Gum
106	2	12	Blue Gum
107	3	75	Blue Gum
108	2	44	Blue Gum
109	3	39	Southern California Black Walnut
110	2	56	Arroyo Willow
111	5	22	Arroyo Willow
112	6	43	Arroyo Willow
113	1	8	Southern California Black Walnut
114	1	16	Arroyo Willow
115	1	25	Ornamental
116	1	13	Arroyo Willow
117	6	55	California Bay
118	1	9	Arroyo Willow
119	4	60	Arroyo Willow
120	2	19	Arroyo Willow
121	2	21	Arroyo Willow
122	4	36	Golden Wattle
123	1	14	Golden Wattle
124	4	20	Golden Wattle
125	1	25	Golden Wattle
126	1	14	Coast Live Oak
127	2	14	Coast Live Oak
128	4	32	Golden Wattle
129	3	44	Coast Live Oak
130	1	14	Blue Gum
131	1	32	Palm

ID No.	No. Trunks	DBH (in)	Common Name
132	7	32	Arroyo Willow
133	3	20	Arroyo Willow
134	7	26	Arroyo Willow
135	1	5	Arroyo Willow
136	2	8	Arroyo Willow
137	3	22	Arroyo Willow
138	3	17	Arroyo Willow
139	2	66	Arroyo Willow
140	1	10	Arroyo Willow
141	7	39	Arroyo Willow
142	4	48	California Sycamore
143	3	20	California Bay
144	1	11	Arroyo Willow
145	2	30	Arroyo Willow
146	1	8	Coast Live Oak
147	4	30	Arroyo Willow
148	7	25	Ornamental
149	3	71	California Sycamore
150	1	16	California Sycamore
151	1	11	California Sycamore

**REFERENCE NOTES:**

XXX	DESCRIPTION
200	TREES
203	PRUNE TREE
205	PRUNE TREE AND TREE ROOTS
205	REMOVE TREE TO (E) GROUND, ROOTS TO REMAIN
206	TREE REMOVED TO STUMP BY OTHERS PRIOR TO START OF WORK, REMOVE STUMP AND ROOTS.
207	TREE REMOVED TO STUMP BY OTHERS PRIOR TO START OF WORK, REMOVE STUMP TO (E) GROUND.

- LEGEND:**
- 100 (E) TREE AND TAG NUMBER
  - ⊗ REMOVE (E) TREE
  - NT (E) TREE WITHOUT TAG
  - (E) TREE, SEE NOTE



PROJECT TITLE

SHEET TITLE

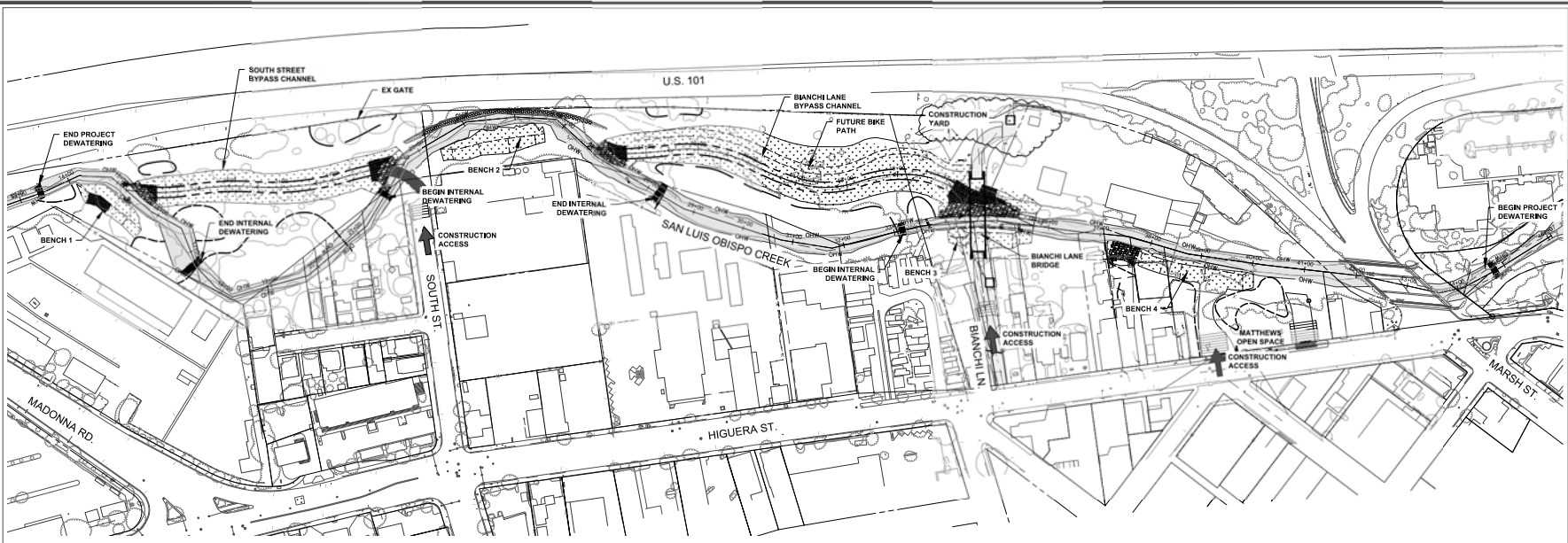


DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 30'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO: **200649**  
 PLAN FILE NO./LOCATION: **0061-0091-TREE.dwg**  
 SHEET NO.



**MID-HIGUERA BYPASS**

**TEMPORARY WATER POLLUTION CONTROL PLAN**

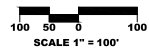


**LEGEND**

- TOE (E) TOE OF SLOPE
- ORDINARY HIGH WATER MARK LIMIT
- ORDINARY HIGH WATER (OHW)
- PROPOSED RSP
- EROSION CONTROL BLANKET
- PARCEL LINE FROM CITY GIS
- PROPOSED GRADING LIMIT
- STABILIZED CONSTRUCTION ENTRANCE
- CONCRETE WASHOUT

**EROSION & SEDIMENTATION CONTROL NOTES**

1. CONTRACTOR SHALL USE THE APPROPRIATE EROSION CONTROL AND SEDIMENT MEASURES AS SHOWN AND AS IDENTIFIED IN THE CONTRACTOR PREPARED SWPPP.
2. INSTALL EROSION CONTROL BLANKET ON ALL DISTURBED CREEK BANK SLOPES AND BYPASS CHANNEL SLOPES IMMEDIATELY AFTER GRADING OPERATIONS ARE COMPLETE AND BEFORE OCTOBER 15. APPLY HYDROSEED PRIOR TO INSTALLING EROSION CONTROL BLANKET. REFER TO REVEGETATION PLAN FOR HYDROSEED REQUIREMENTS.
3. LIMITS OF EROSION CONTROL BLANKET ARE SHOWN BASED ON ANTICIPATED LIMITS OF GRADING. ADDITIONAL EROSION CONTROL BLANKET MAY BE NEEDED TO STABILIZE AREAS THAT ARE GRADED OR DISTURBED AS PART OF CONSTRUCTION.
4. FIBER ROLLS SHALL BE AT 10' OC ON ALL DISTURBED 3:1 OR STEEPER SLOPES, FROM OCTOBER 15 THROUGH APRIL 15.
5. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS OF TEMPORARY CONSTRUCTION ENTRANCE/EXIT LOCATIONS BASED ON WORK ACTIVITIES.
6. CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 50 FEET FROM TOP OF CREEK BANK.



PROJECT TITLE:

SHEET TITLE:

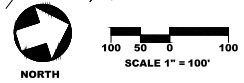
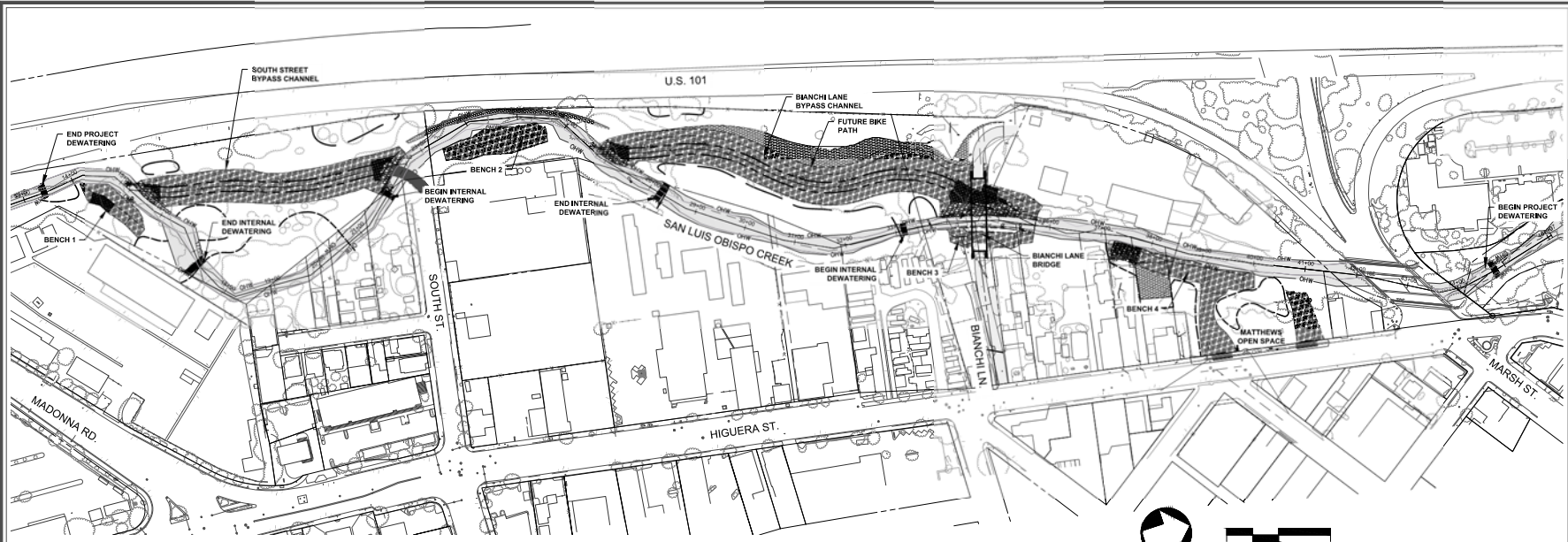


DESIGNED BY: VGH  
 DRAWN BY: CK  
 CHECKED BY: CAC  
 APPROVED BY:  
 SCALE: 1" = 100'  
 DATE: 6/11/2024  
 CITY SPECIFICATION NO.: 2090649  
 PLAN FILE NO.: LOCATION 0981-0091\_HWP07.dwg  
 SHEET NO.:



**MID-HIGUERA BYPASS**

**HYDROSEED PLAN**

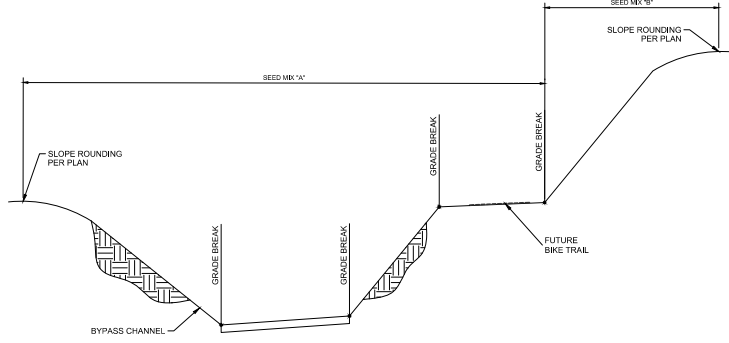


**LEGEND**

— TOE —	(E) TOE OF SLOPE
—	ORDINARY HIGH WATER MARK LIMIT
—	ORDINARY HIGH WATER (OHW)
—	PROPOSED RSP
—	HYDROSEED MIX "A"
—	HYDROSEED MIX "B"
—	PARCEL LINE FROM CITY GIS
—	PROPOSED GRADING LIMIT

**HYDROSEED NOTES:**

1. HYDROSEED MIX SHALL BE APPLIED TO ALL EXPOSED SOIL IMMEDIATELY AFTER GRADING OPERATIONS ARE COMPLETE.
2. SEED MIX SHALL BE EITHER MIX "A" OR MIX "B" AS SPECIFIED BELOW.
3. SEED MIX "A" SHALL BE USED WITHIN THE CREEK CHANNEL, BYPASS CHANNELS, FUTURE BIKE PATH, AND WITHIN THE GRADING LIMITS OF THE MATTHEWS PEN SPACE.
4. SEED MIX "B" SHALL BE USED OUTSIDE THE CREEK CHANNEL AND BYPASS CHANNELS OR OTHER AREAS SHOWN AS SEED MIX "A".
5. LIMITS OF HYDROSEED ARE SHOWN BASED ON ANTICIPATED LIMITS OF GRADING. ADDITIONAL HYDROSEED MAY BE NEEDED TO STABILIZE AREAS THAT ARE GRADED OR DISTURBED AS PART OF CONSTRUCTION.



1 BYPASS CHANNEL TYPICAL HYDROSEED LIMITS

SCALE: N.T.S.

**HYDROSEED MIX "A"  
(SAN LUIS OBISPO COUNTY STANDARD SEED MIX)**

BOTANICAL NAME	COMMON NAME	APPLICATION RATE
BROMUS CARINATUS	CALIFORNIA BROME	12 LBS/ACRE
FESTUCA MICROSTACHYS	SMALL FESCUE	4 LBS/ACRE
TRIFOLIUM WILLDENOVII	TOMCAT CLOVER	2 LBS/ACRE
ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	1.5 LBS/ACRE
LUPINUS NANUS	SKY LUPINE	2 LBS/ACRE
LASTHENIA CALIFORNICA	GOLDFIELDS	0.5 LBS/ACRE

**HYDROSEED MIX "B"  
(SITE SPECIFIC SEED MIX)**

BOTANICAL NAME	COMMON NAME	APPLICATION RATE
ARTEMISA DOUGLASSIANA	MILGWORT	1 LBS/ACRE
BACCHARIS PILULARIS	COYOTE BUSH	3 LBS/ACRE
BROMUS CARINATUS	CALIFORNIA BROME	8 LBS/ACRE
ELYMUS TRITICOIDES	BEARDLESS WILD-RYE	8 LBS/ACRE
FESTUCA MICROSTACHYS	SMALL FESCUE	4 LBS/ACRE
LUPINUS NANUS	SKY LUPINE	2 LBS/ACRE
TRIFOLIUM WILLDENOVII	TOMCAT CLOVER	2 LBS/ACRE
SYMPHYOTRICHUM SUBSPICATUM OR CHILENSE	DOUGLASS/PACIFIC ASTER	2 LBS/ACRE
SOLIDAGO CONFINIS OR VELUTINA	SOUTHERNVELVETY GOLDENROD	2 LBS/ACRE

PROJECT TITLE:  
SHEET TITLE:



DESIGNED BY: **VGH**  
 DRAWN BY: **CK**  
 CHECKED BY: **CAC**  
 APPROVED BY:  
 SCALE: **1" = 100'**  
 DATE: **6/11/2024**  
 CITY SPECIFICATION NO.: **2090649**  
 PLAN FILE NO. / LOCATION: **098-0091 HWCP.dwg**  
 SHEET NO.:



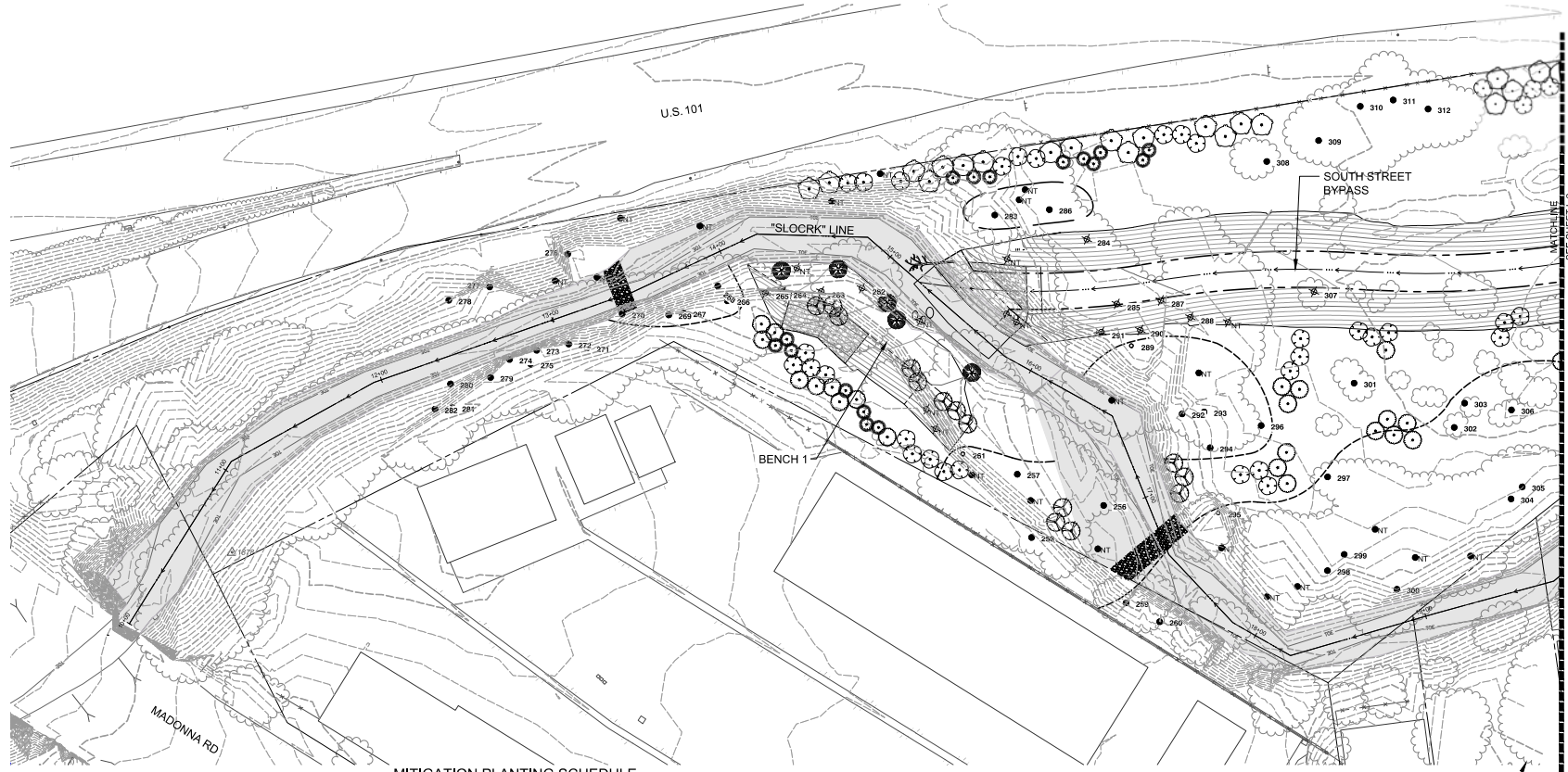
MID-HIGUERA BYPASS  
REVEGETATION PLAN

PROJECT TITLE

SHEET TITLE



DESIGNED BY: EAS  
 DRAWN BY: EAS  
 CHECKED BY: EAS  
 APPROVED BY: VGH  
 SCALE: 1" = 40'  
 DATE: 6/11/2024  
 CITY SPECIFICATION NO. 2090649  
 PLAN FILE NO. LOCATION  
 SHEET NO.



LEGEND

- 100 (E) TREE AND TAG NUMBER
- ⊗ REMOVE (E) TREE
- NT (E) TREE WITHOUT TAG
- (E) TREE. SEE NOTE PER EXISTING TREE PLAN
- TEMPORARY HIGH VISIBILITY FENCE
- - - - PROPOSED SURFACE GRADING LIMIT
- BYPASS CHANNEL TOE
- TOE (E) TOE OF SLOPE
- 150 FINISHED GRADE CONTOUR
- 150 (E) GRADE CONTOUR
- ORDINARY HIGH WATER MARK LIMIT
- ORDINARY HIGH WATER (OHW)
- PROPOSED RSP
- (E) CONCRETE SACK WALL
- PARCEL LINE FROM CITY GIS

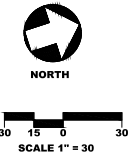
MITIGATION PLANTING SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	CONT.	QTY
<b>TREES</b>			
	ACER MACROPHYLLUM / BIG LEAF MAPLE	15 GAL.	16
	POPULUS FREMONTII / FREMONT COTTONWOOD	CUTTINGS	23
	POPULUS TRICHOCARPA / BLACK COTTONWOOD	CUTTINGS	46
	QUERCUS AGRIFOLIA / COAST LIVE OAK	15 GAL.	124
	QUERCUS AGRIFOLIA / COAST LIVE OAK	24" BOX	69
<b>SHRUBS</b>			
	HETEROMELES ARBUTIFOLIA / TOYON	5 GAL.	117
	LEYMUS TRITICOIDES / CREEPING WILDRYE	1 GAL.	50
	RHAMNUS CALIFORNICA / CALIFORNIA COFFEE BERRY	5 GAL.	43
	ROSA CALIFORNICA / CALIFORNIA WILD ROSE	1 GAL.	44
	RUBUS URSINUS / CALIFORNIA BLACKBERRY	1 GAL.	50

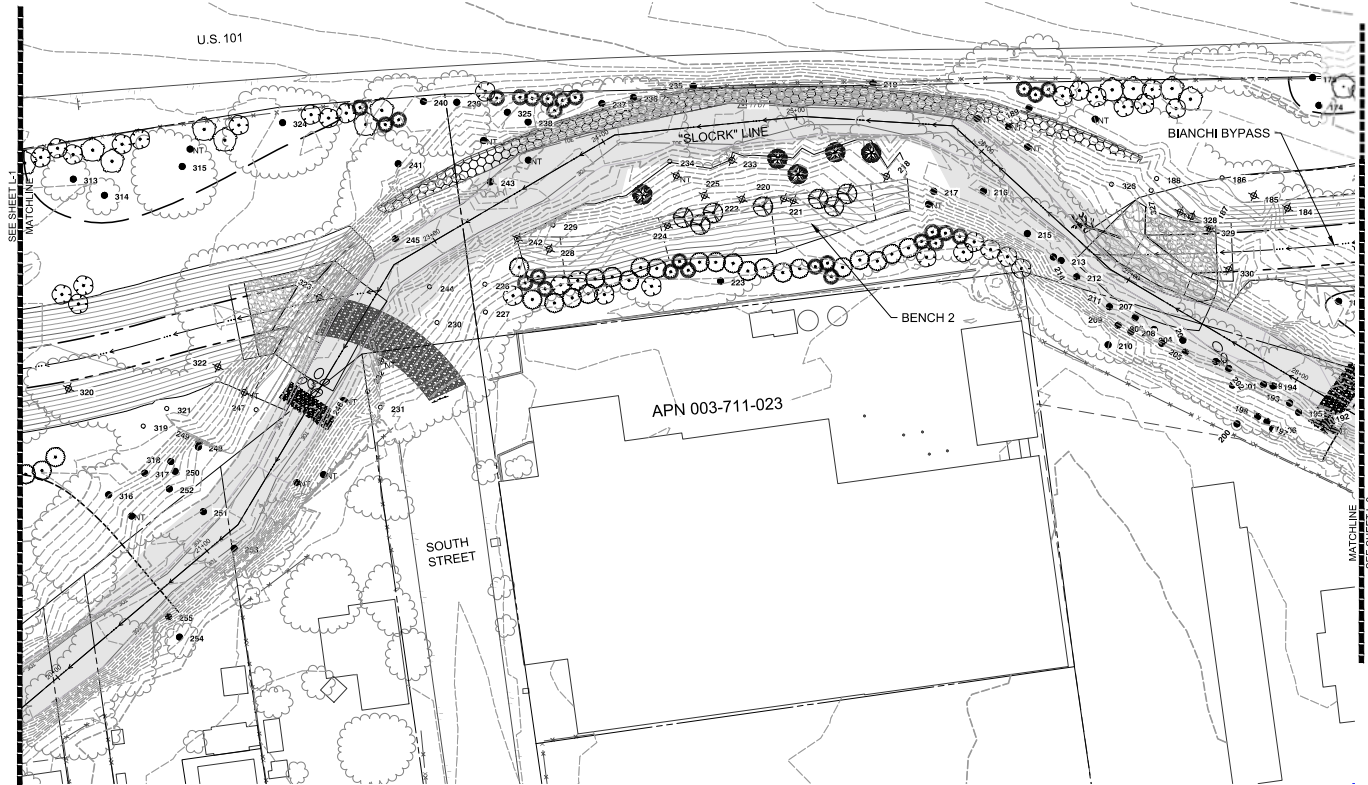
IRRIGATION NOTES

- SEE CIVIL UTILITY PLANS FOR LOCATIONS OF IRRIGATION WATER METERS AND QUICK COUPLER VALVE BOXES AND INSTALLATION DETAILS.
- IRRIGATION SYSTEM SHALL BE DESIGN BUILT BY THE CONTRACTOR AND APPROVED BY THE ENGINEER, SUBMITTAL REQUIRED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- CONTRACTOR SHALL VERIFY LINE PRESSURE PRIOR TO DESIGN OF IRRIGATION SYSTEM.
- IRRIGATION LINES SHALL BE LOCATED OUTSIDE OF ACTIVE CREEK CHANNEL.

APPROXIMATE LOCATION OF (E) CITY OF SLO QUICK COUPLER, LOCATED IN ETO PARK, FED FROM 8" WATER MAIN IN BROOK STREET







**LEGEND**

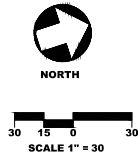
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- ▨ PROPOSED RSP
- ▩ (E) CONCRETE SACK WALL
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**MITIGATION PLANTING SCHEDULE**

SYMBOL	BOTANICAL / COMMON NAME	CONT	QTY
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**MID-HIGUERA BYPASS**  
**REVEGETATION PLAN**

PROJECT TITLE:  
SHEET TITLE:



DESIGNED BY: EAS  
DRAWN BY: EAS  
CHECKED BY: EAS  
APPROVED BY: VGH  
SCALE: 1" = 40'  
DATE: 6/11/2024  
CITY SPECIFICATION NO. 2090649  
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**MID-HIGUERA BYPASS  
REVEGETATION PLAN**

PROJECT TITLE

SHEET TITLE



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**L-3 of 65**



**LEGEND**

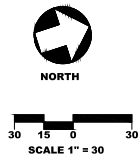
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MID-HIGUERA BYPASS

REVEGETATION PLAN

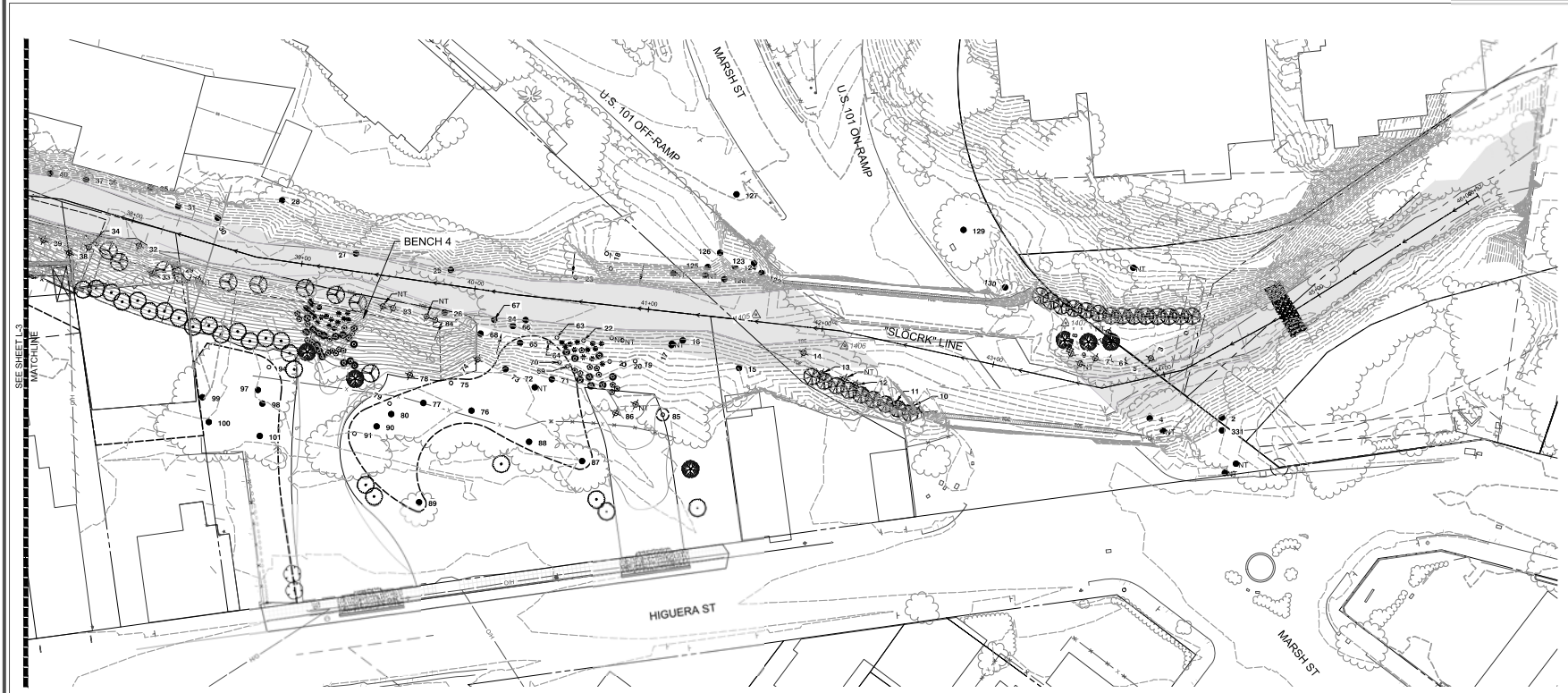
PROJECT TITLE

SHEET TITLE



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L-4 of 65



**LEGEND**

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**MITIGATION PLANTING SCHEDULE**

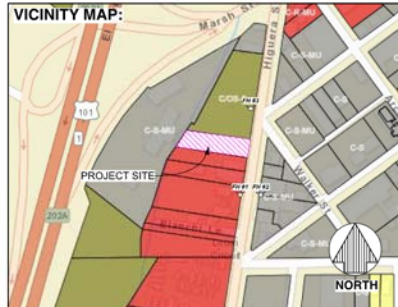
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SCALE 1" = 30'



**FIRE HYDRANT LOCATION**

THE THREE CLOSEST FIRE HYDRANTS FROM THE SITE IS LOCATED ON :

- FIRE HYDRANT #1 195 FEET FROM 306 HIGUERA STREET
- FIRE HYDRANT #2 195 FEET FROM 306 HIGUERA STREET
- FIRE HYDRANT #3 376 FEET FROM 306 HIGUERA STREET

**PROJECT DESCRIPTION**

DEMOLITION OF EXISTING GARAGE STRUCTURE IN ORDER TO MAKE ROOM FOR THE CITY'S CREEK EXPANSION

**PROJECT STATISTICS**

PROJECT ADDRESS: 306 HIGUERA STREET, SAN LUIS OBISPO, CA 93401  
 APN# 002-482-027

LEGAL DESCRIPTION: CY SLO BL 61 PTN

ZONE: C-RIMU - RETAIL COMMERCIAL MIXED-USE OVERLAY

LOT SIZE (ACRES) : 40.14 ACRES AC. (46,200 S.F.)

SURROUNDING PROPERTY USES: C/OOS-S, C-S-MU, C-RIMU

**BUILDING SUMMARY**

USE: GARAGE, MANUFACTURING  
 OCCUPANCY: F-1, M  
 CONSTRUCTION: 1B  
 NUMBER OF STORIES: ONE

**DEVELOPMENT STANDARDS**

MAXIMUM BUILDING HEIGHT: 145'-0"  
 MAXIMUM LOT COVERAGE: 100%

EXISTING STRUCTURE TO BE DEMOLISHED: 4,452.60 S.F. 72%

BUILDING HEIGHT: 23'-6"

**SAFETY**

1. SPECIAL NOTICE TO CONTRACTORS: ALL CONTRACTORS PERFORMING WORK ON THE PREMISES SHALL BE RESPONSIBLE FOR MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING BUT NOT LIMITED TO THE PROTECTION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MIGHT ENDANGER VISITORS AND STAFF OF THE OWNER OR ARCHITECT.
2. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACINGS, SHORES AND CUTS REQUIRED TO SUPPORT ALL LOADS TO WHICH THE BUILDING STRUCTURES, UTILITIES AND RIGHTS-OF-WAY MAY BE SUBJECTED DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL OBTAIN OSHA PERMITS FOR ANY VERTICAL EXCAVATIONS OVER 5'-0" DEEP INTO WHICH PERSONS MUST DESCEND.
4. DURING THE ENTIRE CONSTRUCTION PERIOD, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE JOB SITE SO AS TO MEET IN ALL RESPECTS THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. TO THIS END, THE CONTRACTOR SHALL INFORM HIMSELF AND HIS REPRESENTATIVES OF OSHA STANDARDS.
5. NO TRENCHES OR EXCAVATIONS 5' OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND, OR OBTAIN NECESSARY PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE ISSUANCE OF A BUILDING OR GRADING PERMIT, PHSIC 17022.5, EFFECTIVE 3-6-78)

**MAINTENANCE STATEMENT**

THIS PROJECT DOES NOT ADDRESS ANY SHORT OR LONG TERM MAINTENANCE REQUIREMENTS FOR THE MATERIALS, FINISHES, AND/OR SURFACES SPECIFIED, DETAILED AND INDICATED IN THESE DRAWINGS AND SPECIFICATIONS. IT IS THE RESPONSIBILITY OF OTHERS TO EITHER PROVIDE THIS INFORMATION, OR PROVIDE INFORMATION AND RESOURCES FOR THIS ISSUE. FURTHERMORE, THESE PLANS HAVE NOT BEEN DEVELOPED TO ADDRESS ANY PRIORITY OR DETERMINATION OF ANY MAINTENANCE PROGRAM OR PROCESS, OTHER THAN THE INFORMATION SUPPLIED BY OTHERS, THE OWNER AND THEIR AGENT.

COMMERCIAL USES OF THE SITE AND ON-GOING BUILDING MAINTENANCE AND LANDSCAPING SHALL AT ALL TIMES REMAIN CONSISTENT WITH APPROVED PLANS AND CONDITIONS OF APPROVAL OF THE ARCHITECTURAL REVIEW APPROVAL FOR THE PROJECT. ANY CHANGE TO THE APPROVED DESIGN OR OTHER CONDITIONS OF APPROVAL MUST BE APPROVED BY THE DIRECTOR, PLANNING COMMISSION AND OR ARCHITECTURAL REVIEW COMMISSION AS DEEMED APPROPRIATE.

AN OPERATION AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE BUILDING OCCUPANT AND/OR OWNER.

**DEMOLITION STATEMENT**

REMODELING OR DEMOLITION OF PRE-1978 STRUCTURES WITHOUT USING LEAD SAFE WORK PRACTICES IS A VIOLATION OF THE CALIFORNIA HEALTH AND SAFETY CODE SECTION 15256. CONTRACTORS, REMODELERS AND PAINTERS ARE REQUIRED TO USE "LEAD-SAFE" WORK PRACTICES PURSUANT TO TITLE 17, CALIFORNIA CODE OF REGULATIONS SECTION 30550. CONSTRUCTION DEBRIS KNOWN TO CONTAIN LEAD-BASED PAINT MUST BE DISPOSED AT AN APPROVED LOCATION. CONTACT UTILITIES CONSERVATION AT (805) 761-9213.

**CONSTRUCTION WASTE REDUCTION, DISPOSAL & RECYCLING**

PROVIDE A CONSTRUCTION WASTE MANAGEMENT PLAN TO RECYCLE OR SALVAGE FOR REUSE A MINIMUM OF 5% OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE. (80493.1, 1058C)

**STRUCTURAL OBSERVATION NOTE:**

IF APPLICABLE: STRUCTURAL OBSERVATION SHALL BE OBSERVED AND PERFORMED IN ACCORDANCE TO CBC 1704.6.1(B) FOR THE FOLLOWING CONDITIONS AND CONSTRUCTION:

THE FREQUENCY AND EXTENT OF THE STRUCTURAL OBSERVATION SHALL BE AT THE CONCLUSION OF ALL WORK, BUT PRIOR TO ANY FURTHER OR COMPLETED FINISH WORK WITHIN THE SPECIFIC AREA. AT THE CONCLUSION OF ALL STRUCTURAL OBSERVATION WORK, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.

1. THE ARCHITECT SHALL BE CONSULTED IN ALL CASES WHERE CUTTING INTO AN EXISTING STRUCTURAL PORTION OF ANY BUILDING IS EITHER EXPEDITED OR NECESSARY. PRIOR TO PROCEEDING WITH WORK, REINFORCEMENT AND/OR SUPPORT SATISFACTORY TO ARCHITECT AND STRUCTURAL ENGINEER SHALL BE PROVIDED BY CONTRACTOR PRIOR TO CUTTING INTO STRUCTURAL PORTIONS OF ANY BUILDING.
2. CONTRACTOR SHALL VERIFY ALL COLUMN COORDINATES AND CHECK THEM AGAINST DIMENSIONS SHOWN ON PLANS AND DETAILS. CONSTRUCTION MANAGER SHOULD BE NOTIFIED OF ANY DISCREPANCIES DURING STAKING.

**SPECIAL INSPECTION NOTE:**

THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER SECTION 1704A. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE IN THE TYPE OF CONSTRUCTION OR STRUCTURAL OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

**LEAD-SAFE NOTE:**

REMODELING OR DEMOLITION OF PRE-1978 STRUCTURES WITHOUT USING LEAD-SAFE WORK PRACTICES IS A VIOLATION OF THE CALIFORNIA HEALTH AND SAFETY CODE SECTION 15256. CONTRACTORS, REMODELERS, AND PAINTERS ARE REQUIRED TO USE LEAD-SAFE WORK PRACTICES PURSUANT TO TITLE 17, CALIFORNIA CODE OF REGULATIONS SECTION 30550. CONSTRUCTION DEBRIS KNOWN TO CONTAIN LEAD-BASED PAINT MUST BE DISPOSED OF AT AN APPROVED LOCATION. ( § 107.2 CBC)

**GENERAL NOTES**

1. ALL WORK SHALL CONFORM TO THE LOCALLY ADOPTED BUILDING CODES AND ORDINANCES, THE NATIONAL TRADE ORGANIZATIONS AND THE PRODUCT MANUFACTURERS RECOMMENDATIONS. IN THE EVENT OF CONFLICT, THE MOST STRINGENT SHALL APPLY. AT A MINIMUM, THIS PROJECT SHALL COMPLY WITH THE CODE EDITIONS OF THE:
  - CALIFORNIA BUILDING CODE VOL 5 142
  - CALIFORNIA MECHANICAL CODE
  - CALIFORNIA PLUMBING CODE
  - CALIFORNIA ELECTRICAL CODE
  - CALIFORNIA GREEN BUILDING STANDARDS CODE
  - CALIFORNIA ENERGY CODE (CEC)
  - CALIFORNIA EXISTING BUILDING CODE
 AND ALL AMENDMENTS TO THE CA CODES ADOPTED BY THE CITY OF SAN LUIS OBISPO AND ALL OTHER CODES, REGULATIONS, AND APPROVALS ESTABLISHED BY THE CITY OF SAN LUIS OBISPO
2. CONTRACTOR SHALL VERIFY AND COORDINATE ALL NEW AND EXISTING CONDITIONS AND DIMENSIONS AT JOB SITE FOR COMPARISON WITH DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING AND START OF AND DURING CONSTRUCTION. IF ANY DISCREPANCIES, INCONSISTENCIES OR OMISSIONS ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED, IN WRITING FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
3. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS AS GIVEN. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATIONS. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR AND COORDINATED WITH ALL OF THE WORK OF ALL TRADES. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE THE COMMENCEMENT OR RESUMPTION OF WORK.
4. ABBREVIATIONS THROUGHOUT THE PLANS ARE THOSE IN COMMON USE. NOTIFY THE ARCHITECT OF ANY ABBREVIATIONS IN QUESTION.
5. DIMENSIONS SHOWN ON FLOOR PLANS, SECTIONS, ELEVATIONS AND DETAILS ARE TO FINISH FACE OF STEEL, MASONRY, OR CONCRETE, GROUTLES OR CENTERLINES OF STEEL, UNLESS OTHERWISE NOTED.
6. IN THE CASE OF A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY CONFLICT BEFORE PROCEEDING WITH THE WORK.
7. THE SPECIFICATIONS AND ALL CONSULTANT DRAWINGS ARE SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF ANY OF THE CONSULTANT'S WORK AND TO BRING ANY DISCREPANCIES OR CONFLICTS TO THE ARCHITECT'S ATTENTION IN WRITING. FOR CLARIFICATION, IMPROPERLY INSTALLED WORK SHALL BE CORRECTED BY THE SUBCONTRACTOR AT HIS EXPENSE AND AT NO EXPENSE TO THE ARCHITECT, HIS CONSULTANTS, OR THE OWNER.
8. FINAL CLEAN UP AND DISPOSAL: REMOVE DEBRIS, RUBBISH AND WASTE MATERIAL FROM THE OWNER'S PROPERTY TO A LAWFUL DISPOSAL AREA AND PAY ALL HAULING AND DUMPING COSTS, CONFORM TO PERTAINING FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDERS UPON COMPLETION OF WORK. ALL CONSTRUCTION AREAS SHALL BE LEFT VACUUM OR BROOM CLEAN AND FREE FROM DEBRIS, CLEAN ALL DIRT, STAINS, HAND MARKS, PAINT SPOTS, DROPPINGS, AND OTHER BLEMISHES.
9. IF THE CONTRACTOR ASCERTAINS AT ANY TIME THAT REQUIREMENTS OF THIS CONTRACT ARE IN VIOLATION OF APPLICABLE LAWS, CODES, REGULATIONS AND ORDINANCES, THE ARCHITECT HAS BEEN NOTIFIED IN WRITING AND WRITTEN AMENDMENTS TO THE ORIGINAL CONTRACT DOCUMENTS SHALL BE REQUIRED. COMPLETED WORK IS DISCOVERED TO BE IN VIOLATION WITH APPLICABLE LAWS, CODES, REGULATIONS AND ORDINANCES, CONTRACTOR SHALL BE REQUIRED TO REMOVE THAT WORK FROM THE PROJECT AND REPLACE SUCH WORK WITH ALL NEW COMPLIANT WORK AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT.
10. ANY WORK INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE SUBCONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL EXPENSE TO THE OWNER, ARCHITECT, OR CONSULTANTS.
11. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR THE SATISFACTORY COMPLETION OF WORK UNLESS OTHERWISE INDICATED IN CONTRACT DOCUMENTS. OWNER FURNISHED & INSTALLED ALL EQUIPMENT, WORK AND MATERIALS SHALL COMPLY WITH ALL CURRENT AND LOCAL APPLICABLE CODES AND GOVERNING REGULATIONS, AND THE CONTRACT DOCUMENTS.
12. THE CONTRACTOR SHALL PROTECT ALL FINISH WORK AND SURFACES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AND SHALL REPAIR AND/OR REPAIR ALL DAMAGED SURFACES CAUSED BY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
13. ONLY NEW MATERIALS AND EQUIPMENT OF RECENT MANUFACTURE, OF QUALITY SPECIFIED, FREE FROM DEFECTS, WILL BE PERMITTED ON THE WORK.
14. TEMPORARY FACILITIES:
  - a. THE CONTRACTOR SHALL MAKE NECESSARY CONNECTIONS TO EXISTING UTILITIES FOR TEMPORARY POWER AND WATER SUPPLIES, AND SHALL COORDINATE SUCH USE WITH THE OWNER PRIOR TO CONNECTION.
15. DRAWINGS OF EXISTING CONDITIONS HAVE BEEN COMPILED FROM EXISTING DATA SUPPLIED BY THE OWNER TO THE ARCHITECT. THE ARCHITECT MAKES NO WARRANTY EITHER EXPRESSED OR IMPLIED, FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING CONDITIONS. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
16. STRUCTURAL OBSERVATION (IF REQUIRED) SHALL BE PERFORMED BY THE PROJECT ARCHITECT OR ENGINEER OF RECORD.
17. NO HAZARDOUS MATERIALS WILL BE STORED AND / OR USED WITHIN THE BUILDING WHICH EXCEED THE QUANTITIES LISTED IN CBC TABLE 414.2.5(1).

**CODE COMPLIANCE**

CODES: ALL CONSTRUCTION SHALL CONFORM TO THE FOLLOWING CODES:

- 2022 CALIFORNIA BUILDING CODE (CBC), BASED ON THE 2021 IBC
- 2022 CALIFORNIA MECHANICAL CODE (CMC), BASED ON THE 2021 UMC
- 2022 CALIFORNIA PLUMBING CODE (CPC), BASED ON THE 2021 UPC
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), BASED ON THE 2021 NEC
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)
- 2022 CALIFORNIA ENERGY CODE
- 2022 CALIFORNIA FIRE CODE (CFC), BASED ON THE 2020 IFC
- 2022 CALIFORNIA HEALTH AND SAFETY CODE (HASC)
- 2022 CALIFORNIA BUSINESS AND PROFESSIONS CODE (BAPC)
- 2022 CALIFORNIA FIRE FIGHTERS ASSOCIATIONS STANDARDS (FFPA)

-PROJECT CONDITIONS OF APPROVAL  
 CITY OF SAN LUIS OBISPO STANDARD CONDITIONS, MUNICIPAL CODES, AMENDMENTS AND SELECTED CODE REQUIREMENTS ON FILE AT THE COMMUNITY DEVELOPMENT, PLANNING AND BUILDING DIVISION  
 ALL OTHER CODES AND ORDINANCES ADOPTED BY THE CITY OF SAN LUIS OBISPO AGENCIES HAVING JURISDICTION OVER THIS PROJECT



PROJECT TITLE: MID-HIGUERA ST.- DEMOLITION PLAN NOTES  
 SHEET TITLE: 306 HIGUERA ST.- DEMOLITION PLAN NOTES

PROJECT TITLE:  
SHEET TITLE:



DESIGNED BY: DLH  
 DRAWN BY: LH  
 CHECKED BY: DLH  
 APPROVED BY:  
 SCALE:  
 DATE: 5/30/2024  
 CITY SPECIFICATION NO.: 2090649  
 PLAN FILE NO.: LOCATION  
 SHEET NO.:



**CONSTRUCTION WASTE & BUILDING MAINTENANCE**

**SECTION 4.408 CONSTRUCTION WASTE REDUCTION DISPOSAL AND RECYCLING**

- 5.408.1 CONSTRUCTION WASTE MANAGEMENT, RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NONHAZARDOUS CONSTRUCTION WASTE IN ACCORDANCE WITH SECTION 5.408.1.1, 5.408.1.2 OR 5.408.1.3, OR MEET A LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS MORE STRINGENT.
- 5.408.1.1 CONSTRUCTION WASTE MANAGEMENT PLAN, WHERE A LOCAL JURISDICTION DOES NOT HAVE A CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE THAT IS MORE STRINGENT, SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN THAT
1. IDENTIFIES THE CONSTRUCTION WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL BY EFFICIENT USAGE, RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE.
  2. DETERMINES IF CONSTRUCTION WASTE MATERIALS WILL BE SORTED ON-SITE (SOLIDS-SEPARATED) OR BULK MIXED (SINGLE STREAM).
  3. IDENTIFIES DIVERSION FACILITIES WHERE CONSTRUCTION WASTE MATERIAL COLLECTED WILL BE TAKEN.
  4. SPECIFIES THAT THE AMOUNT OF CONSTRUCTION WASTE MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BY BOTH.
- 5.408.1.2 WASTE MANAGEMENT COMPANY UTILIZE A WASTE MANAGEMENT COMPANY THAT CAN PROVIDE VERIFIABLE DOCUMENTATION THAT THE PERCENTAGE OF CONSTRUCTION WASTE MATERIAL DIVERTED FROM THE LANDFILL COMPLEX WITH THIS SECTION. NOTE: THE OWNER OR CONTRACTOR SHALL MAKE THE DETERMINATION IF THE CONSTRUCTION WASTE MATERIAL WILL BE DIVERTED BY A WASTE MANAGEMENT COMPANY.

- EXCEPTIONS TO SECTIONS 5.408.1.1 AND 5.408.1.2:
1. EXCAVATED SOIL AND LAND-CLEARING DEBRIS.
  2. ALTERNATE WASTE REDUCTION METHODS DEVELOPED BY WORKING WITH LOCAL AGENCIES IF DIVERSION OR RECYCLE FACILITIES CAPABLE OF COMPLIANCE WITH THIS ITEM DO NOT EXIST.
  3. DEMOLITION WASTE MEETING LOCAL ORDINANCE OR CALCULATED IN CONSIDERATION OF LOCAL RECYCLING FACILITIES AND MARKETS, WHERE DEMOLITION OF AN EXISTING STRUCTURE(S) IS NECESSARY FOR THE CONSTRUCTION OF A NEW STRUCTURE...

- 5.408.1.3 WASTE STREAM REDUCTION ALTERNATIVE, THE COMBINED WEIGHT OF NEW CONSTRUCTION DISPOSAL THAT DOES NOT EXCEED 2 LB/50 SQ. FT. OF BUILDING AREA MAY BE DEEMED TO MEET THE 50 PERCENT MINIMUM REQUIREMENT AS APPROVED BY THE ENFORCING AGENCY.

- 5.408.1.4 DOCUMENTATION, DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTIONS 5.408.1.1 THROUGH 5.408.1.3. THE WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE ACCESSIBLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY.

- NOTES:
1. SAMPLE FORMS FOUND IN "A GUIDE TO THE CALIFORNIA GREEN BUILDING STANDARDS CODE (NONRESIDENTIAL)" LOCATED AT [HTTP://WWW.SDS.CA.GOV/CAGREEN/DEFAULT.HTM](http://www.sds.ca.gov/cagreen/default.htm) MAY BE USED TO ASSIST IN DOCUMENTING COMPLIANCE WITH THE WASTE MANAGEMENT PLAN.
  2. MIXED CONSTRUCTION AND DEMOLITION DEBRIS (CAD) PROCESSORS CAN BE LOCATED AT THE CALIFORNIA DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY (CALRECYCLE).

- 5.408.2 ISOLATED JOBSITE, THE ENFORCING AGENCY MAY MAKE EXCEPTIONS TO THE REQUIREMENTS OF THIS SECTION WHEN JOBSITE ARE LOCATED IN AREAS BEYOND THE HAUL BOUNDARIES OF THE DIVERSION FACILITY.

- 5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS (BSCL) 100 PERCENT OF TREES, STUMPS, ROCKS AND ASSOCIATED VEGETATION AND SOILS RESULTING PRIMARILY FROM LAND CLEARING SHALL BE REUSED OR RECYCLED. FOR A PHASED PROJECT, SUCH MATERIAL MAY BE STOCKPILED ON SITE UNTIL THE STORAGE SITE IS DEVELOPED.

EXCEPTION: REUSE, EITHER ON-OR OFF-SITE, OF VEGETATION OR SOIL CONTAMINATED BY DISEASE OR PEST INFESTATION.

- NOTES:
1. IF CONTAMINATION BY DISEASE OR PEST INFESTATION IS SUSPECTED, CONTACT THE COUNTY AGRICULTURAL COMMISSIONERS AND FOLLOW ITS DIRECTION FOR RECYCLING OR DISPOSAL OF THE MATERIAL. ([WWW.CDFA.CA.GOV/EXCCOUNTYCONTACT\\_CONTACTS.HTML](http://WWW.CDFA.CA.GOV/EXCCOUNTYCONTACT_CONTACTS.HTML))

-CONTRACTOR TO COMPLY WITH CONSTRUCTION WASTE DISPOSAL AND RECYCLING PER SECTION 5.408 OF THE CALIFORNIA GREEN BUILDING CODE.

**ADMINISTRATION**

**SECTION 101 - GENERAL**

- 101.1 TITLE: THESE REGULATIONS SHALL BE KNOWN AS THE CALIFORNIA GREEN BUILDING STANDARDS CODE AND MAY BE CITED AS SUCH AND WILL BE REFERRED TO HEREIN AS "THIS CODE." IT IS INTENDED THAT IT SHALL ALSO BE KNOWN AS THE CALIFORNIA CODE OF REGULATIONS. THE CALIFORNIA GREEN BUILDING STANDARDS CODE IS PART 11 OF TWELVE PARTS OF THE OFFICIAL COMPILATION AND CODE OF REGULATIONS. THE ADOPTION, AMENDMENT AND REPEAL OF BUILDING REGULATIONS TO THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, ALSO REFERRED TO AS THE CALIFORNIA BUILDING STANDARDS CODE.

- 101.2 PURPOSE: THE PURPOSE OF THIS CODE IS TO IMPROVE PUBLIC HEALTH, SAFETY AND GENERAL WELFARE BY ENHANCING THE DESIGN AND CONSTRUCTION OF BUILDINGS THROUGH THE USE OF BUILDING CONCEPTS HAVING A REDUCED NEGATIVE IMPACT OR POSITIVE ENVIRONMENTAL IMPACT AND ENCOURAGING SUSTAINABLE CONSTRUCTION PRACTICES IN THE FOLLOWING CATEGORIES:

1. PLANNING AND DESIGN
2. ENERGY EFFICIENCY
3. WATER EFFICIENCY AND CONSERVATION
4. MATERIAL CONSERVATION AND RESOURCE EFFICIENCY
5. ENVIRONMENTAL QUALITY

- 101.3 SCOPE: THE PROVISIONS OF THIS CODE SHALL APPLY TO THE PLANNING, DESIGN, OPERATION, CONSTRUCTION, USE AND OCCUPANCY OF EVERY NEWLY CONSTRUCTED BUILDING OR STRUCTURE, UNLESS OTHERWISE INDICATED IN THIS CODE, THROUGHOUT THE STATE OF CALIFORNIA. IT IS NOT THE INTENT THAT THIS CODE SUBSTITUTE OR BE IDENTIFIED AS MEETING THE CERTIFICATION REQUIREMENTS OF ANY GREEN BUILDING PROGRAM.

**SECTION 102 - CONSTRUCTION DOCUMENTS & INSTALLATION VERIFICATION**

- 102.1 SUBMITTAL DOCUMENTS, CONSTRUCTION DOCUMENTS AND OTHER DATA SHALL BE SUBMITTED IN ONE OR MORE SETS WITH EACH APPLICATION FOR A PERMIT. WHERE SPECIAL CONDITIONS EXIST, THE ENFORCING AGENCY IS AUTHORIZED TO REQUIRE ADDITIONAL CONSTRUCTION DOCUMENTS TO BE PREPARED BY A LICENSED DESIGN PROFESSIONAL AND MAY BE SUBMITTED SEPARATELY.

EXCEPTION: THE ENFORCING AGENCY IS AUTHORIZED TO WAIVE THE SUBMISSION OF CONSTRUCTION DOCUMENTS AND OTHER DATA NOT REQUIRED TO BE PREPARED BY A LICENSED DESIGN PROFESSIONAL.

- 102.2 INFORMATION ON CONSTRUCTION DOCUMENTS, CONSTRUCTION DOCUMENTS SHALL BE OF SUFFICIENT CLARITY TO INDICATE THE LOCATION, NATURE AND SCOPE OF THE PROPOSED GREEN BUILDING FEATURE AND SHOW THAT IT WILL CONFORM TO THE PROVISIONS OF THIS CODE, THE CALIFORNIA BUILDING STANDARDS CODE AND OTHER RELEVANT LAWS, ORDINANCES, RULES AND REGULATIONS AS DETERMINED BY THE ENFORCING AGENCY.

- 102.3 VERIFICATION, DOCUMENTATION OF CONFORMANCE FOR APPLICABLE GREEN BUILDING MEASURES SHALL BE PROVIDED TO THE ENFORCING AGENCY. ALTERNATE METHODS OF DOCUMENTATION SHALL BE ACCEPTABLE WHEN THE ENFORCING AGENCY FINDS THAT THE PROPOSED ALTERNATE DOCUMENTATION IS SATISFACTORY TO DEMONSTRATE SUBSTANTIAL CONFORMANCE WITH THE INTENT OF THE PROPOSED GREEN BUILDING MEASURE.

**MATERIALS AND RESOURCES**

**SECTION 4.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE**

- 4.406.1 RODENT PROOFING, ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE-BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY.

**SECTION 4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING**

- 4.408.1 CONSTRUCTION WASTE REDUCTION OF AT LEAST 50 PERCENT. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 50 PERCENT OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION DEBRIS, OR MEET A LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS MORE STRINGENT.

- EXCEPTIONS:
1. EXCAVATED SOIL AND LAND-CLEARING DEBRIS.
  2. ALTERNATE WASTE REDUCTION METHODS DEVELOPED BY WORKING WITH LOCAL AGENCIES IF DIVERSION OR RECYCLE FACILITIES CAPABLE OF COMPLIANCE WITH THIS ITEM DO NOT EXIST OR ARE NOT LOCATED REASONABLY CLOSE TO THE JOBSITE.
  3. THE ENFORCING AGENCY MAY MAKE EXCEPTIONS TO THE REQUIREMENTS OF THIS SECTION WHEN ISOLATED JOBSITE ARE LOCATED IN AREAS BEYOND THE HAUL BOUNDARIES OF THE DIVERSION FACILITY.

- 4.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN, WHERE A LOCAL JURISDICTION DOES NOT HAVE A CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, A CONSTRUCTION WASTE MANAGEMENT PLAN SHALL BE SUBMITTED FOR APPROVAL TO THE ENFORCING AGENCY THAT

1. IDENTIFIES THE MATERIALS TO BE DIVERTED FROM DISPOSAL BY RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE.

2. SPECIFIES IF MATERIALS WILL BE SORTED ON-SITE OR MIXED FOR TRANSPORTATION TO A DIVERSION FACILITY.

3. IDENTIFIES THE DIVERSION FACILITY WHERE THE MATERIAL COLLECTED WILL BE TAKEN.

4. IDENTIFIES CONSTRUCTION METHODS EMPLOYED TO REDUCE THE AMOUNT OF WASTE GENERATED.

5. SPECIFIES THAT THE AMOUNT OF MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BY BOTH.

- 4.408.3 WASTE MANAGEMENT COMPANY, UTILIZE A WASTE MANAGEMENT COMPANY APPROVED BY THE ENFORCING AGENCY WHICH CAN PROVIDE VERIFIABLE DOCUMENTATION THAT THE PERCENTAGE OF CONSTRUCTION AND DEMOLITION WASTE MATERIAL DIVERTED FROM THE LANDFILL COMPLEX WITH SECTION 4.408.1.

- 4.408.4 WASTE STREAM REDUCTION ALTERNATIVE (LRI), PROJECTS THAT GENERATE A TOTAL COMBINED WEIGHT OF CONSTRUCTION AND DEMOLITION WASTE DISPOSED OF IN LANDFILLS, WHICH DO NOT EXCEED FOUR (4) LBS/50 SQ. FT. OF THE BUILDING AREA SHALL MEET THE MINIMUM 50 PERCENT CONSTRUCTION WASTE REDUCTION REQUIREMENT IN SECTION 4.408.1.

- WASTE STREAM REDUCTION ALTERNATIVE, PROJECTS THAT GENERATE A TOTAL COMBINED WEIGHT OF CONSTRUCTION AND DEMOLITION WASTE DISPOSED OF IN LANDFILLS, WHICH DO NOT EXCEED TWO (2) POUNDS PER SQUARE FOOT OF THE BUILDING AREA, SHALL MEET THE MINIMUM 50-PERCENT CONSTRUCTION WASTE REDUCTION REQUIREMENT IN SECTION 4.408.1.

- 4.408.5 DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTION 4.408.2, ITEMS 1 THROUGH 5, SECTION 4.408.3 OR SECTION 4.408.4.

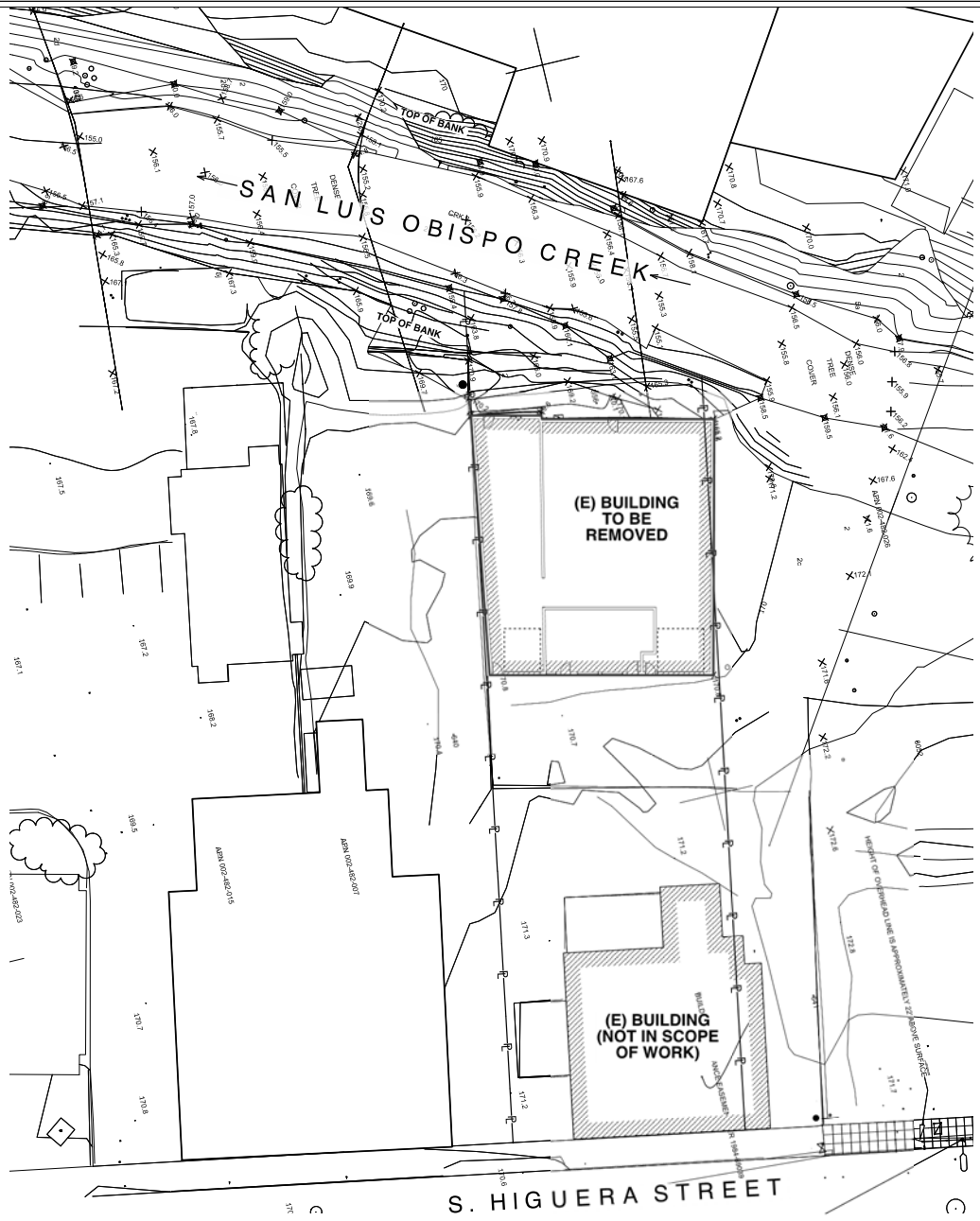


**MID-HIGUERA BYPASS**  
**306 HIGUERA ST - GENERAL REQUIREMENTS**

PROJECT TITLE:  
SHEET TITLE:



DESIGNED BY: **DLH**  
DRAWN BY: **LH**  
CHECKED BY: **DLH**  
APPROVED BY:  
SCALE:  
DATE: **5/30/2024**  
CITY SPECIFICATION NO.: **2090649**  
PLAN FILE NO.: LOCATION  
SHEET NO.



**MID-HIGUERA BYPASS**

**306 HIGUERA ST - EXISTING SITE PLAN**

PROJECT TITLE:

SHEET TITLE:



DESIGNED BY: DLH  
 DRAWN BY: LH  
 CHECKED BY: DLH  
 APPROVED BY:

SCALE: 1/16" = 1'-0"

DATE: 5/30/2024

CITY SPECIFICATION NO. 2090649

PLAN FILE NO. / LOCATION

SHEET NO.



**MID-HIGUERA BYPASS**  
**306 HIGUERA ST.- EXISTING FLOOR PLAN**

PROJECT TITLE:

SHEET TITLE:



DESIGNED BY: DLH

DRAWN BY: LH

CHECKED BY: DLH

APPROVED BY:

SCALE: 1/4" = 1'-0"

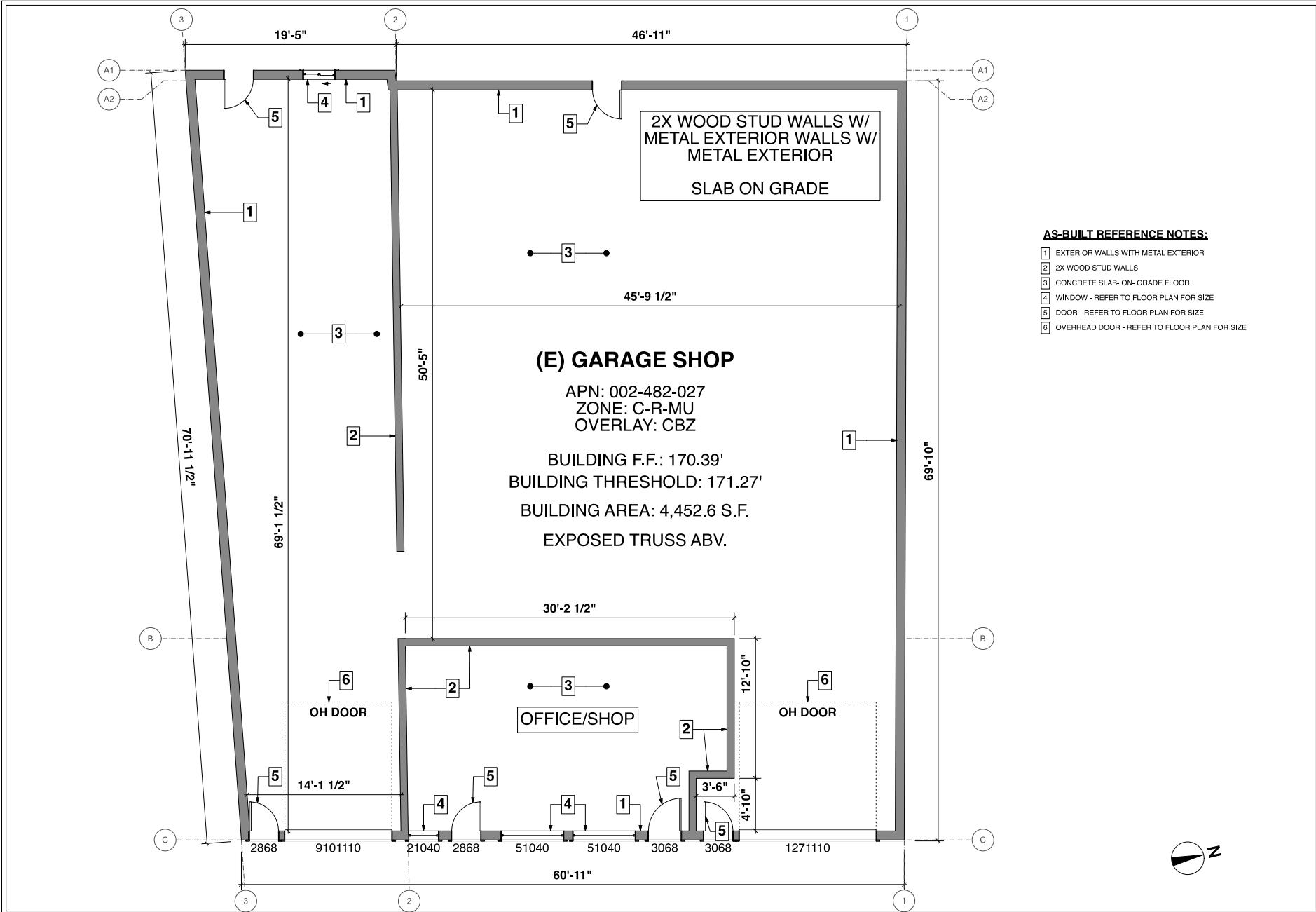
DATE: 5/30/2024

CITY SPECIFICATION NO. 2090649

PLAN FILE NO. / LOCATION

SHEET NO.

**A-5 of 65**







**MID-HIGUERA BYPASS**

**306 HIGUERA ST.- EXISTING ROOF PLAN**

PROJECT TITLE:

SHEET TITLE:



DESIGNED BY: DLH

DRAWN BY: LH

CHECKED BY: DLH

APPROVED BY:

SCALE: 1/4" = 1'-0"

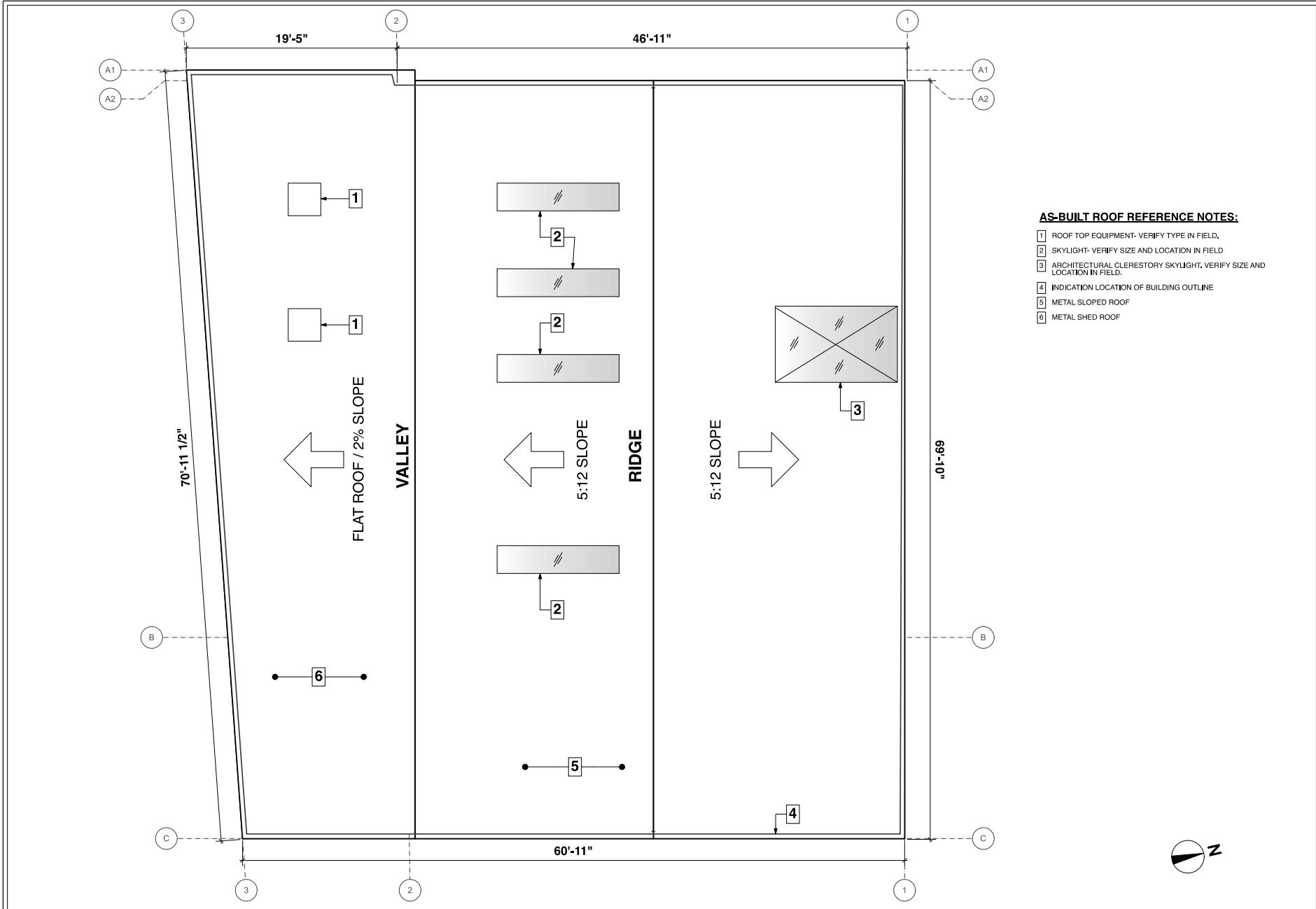
DATE: 5/30/2024

CITY SPECIFICATION NO. 2090649

PLAN FILE NO. / LOCATION

SHEET NO.

**A-6 of 65**



**AS-BUILT ROOF REFERENCE NOTES:**

- 1 ROOF TOP EQUIPMENT- VERIFY TYPE IN FIELD.
- 2 SKYLIGHT- VERIFY SIZE AND LOCATION IN FIELD.
- 3 ARCHITECTURAL CLERESTORY SKYLIGHT. VERIFY SIZE AND LOCATION IN FIELD.
- 4 INDICATION LOCATION OF BUILDING OUTLINE.
- 5 METAL SLOPED ROOF.
- 6 METAL SHED ROOF.





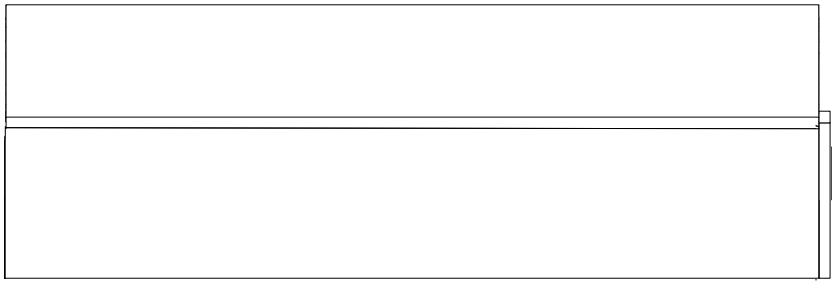
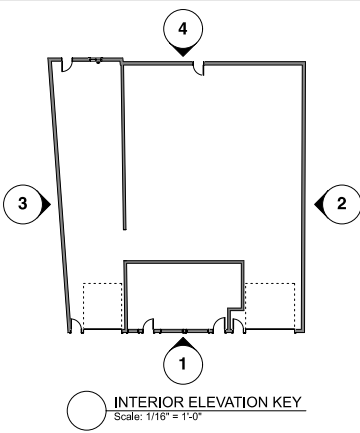
**MID-HIGUERA BYPASS**  
**306 HIGUERA ST.- EXTERIOR ELEVATIONS**

PROJECT TITLE:

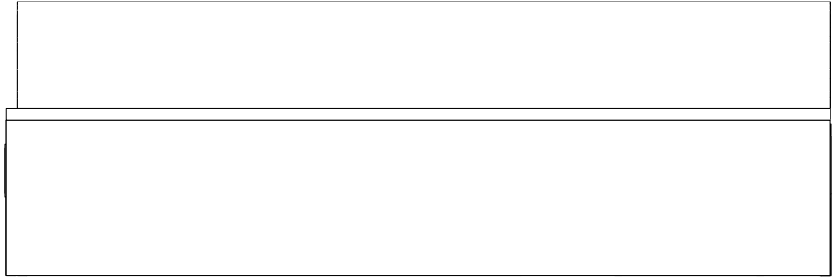
SHEET TITLE:



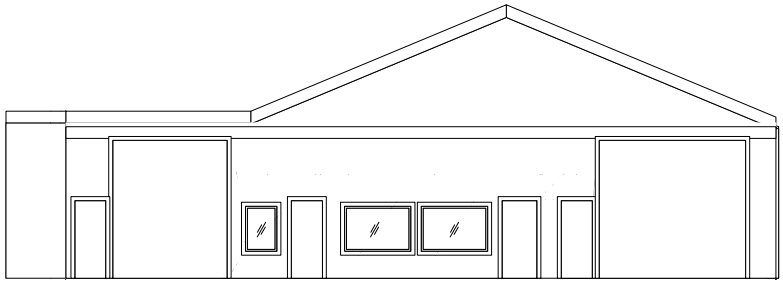
DESIGNED BY: DLH  
 DRAWN BY: LH  
 CHECKED BY: DLH  
 APPROVED BY:  
 SCALE: 3/16" = 1'-0"  
 DATE: 5/30/2024  
 CITY SPECIFICATION NO.: 2090649  
 PLAN FILE NO. / LOCATION:  
 SHEET NO.:



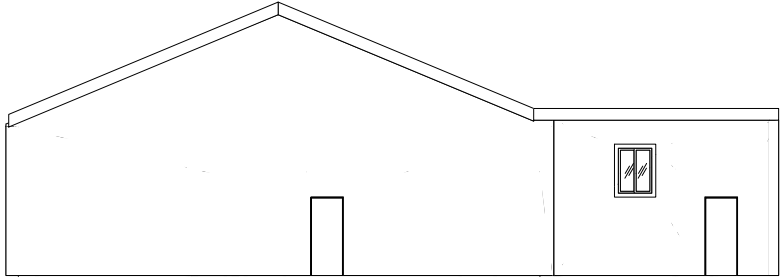
**2 SIDE ELEVATION - OPEN SPACE AREA**  
 Scale: 3/16" = 1'-0"



**3 SIDE ELEVATION - PARKING LOT**  
 Scale: 3/16" = 1'-0"



**1 FRONT ELEVATION**  
 Scale: 3/16" = 1'-0"



**4 BACK ELEVATION - CREEK SIDE**  
 Scale: 3/16" = 1'-0"

## CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION

**SECTION 33.01 - GENERAL**  
 COMPLETION OF THE PROVISIONS OF THIS CHAPTER SHALL GUARANTEE SAFETY DURING CONSTRUCTION AND THE PROTECTION OF ADJACENT PUBLIC AND PRIVATE PROPERTY.

**SECTION 33.02 CONSTRUCTION SAFEGUARDS**  
 ALL MATERIALS, EQUIPMENT AND ADDITIONAL PERSONNEL SHALL BE KEPT OFF THE JOB SITE AND NEARBY AREAS TO ANY BARRIER OR STRUCTURE.

**SECTION 33.03 MANNER OF REMOVAL**  
 WASTE MATERIAL SHALL BE REMOVED IN A MANNER THAT DOES NOT CAUSE DAMAGE TO PERSONS, ADJACENT PROPERTY OR THE PUBLIC.

TO BE GUARANTEED AS THE LOADS IMPOSED ON THEM, WHENEVER B GREATER THAN THE DESIGN LOADS, THE ROOF AND SUPPORTING STRUCTURE OF A COVERED WALKWAY SHALL BE CONSIDERED AS NOT BEING TO BE USED BY 120 POUNDS PER SQUARE FOOT.

IF THE WALKWAY IS TO BE USED BY 120 POUNDS PER SQUARE FOOT, THE WALKWAY SHALL BE DESIGNED TO SUPPORT THE DESIGN LOADS PLUS AN ADDITIONAL 10 PERCENT.

IF THE WALKWAY IS TO BE USED BY 120 POUNDS PER SQUARE FOOT, THE WALKWAY SHALL BE DESIGNED TO SUPPORT THE DESIGN LOADS PLUS AN ADDITIONAL 10 PERCENT.

**SECTION 33.04**  
 THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE CONTRACTOR FOR CONSTRUCTION.

**SECTION 33.05**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.06**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.07**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.08**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.09**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.10**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.11**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.12**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.13**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.14**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.15**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.16**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.17**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.18**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.19**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.20**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.21**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.22**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.23**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.24**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.25**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.26**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.27**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.28**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.29**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.30**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.31**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.32**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.33**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.34**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.35**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

HEIGHT OF CONSTRUCTION	DISTANCE FROM CONSTRUCTION TO LOT LINE	TYPE OF PROTECTION REQUIRED
FEET OR LESS	LESS THAN 5 FEET	CONSTRUCTION BARRIERS
	5 FEET OR MORE	NONE
MORE THAN 6 FEET	LESS THAN 5 FEET	SAFETY FENCES AND BARRIERS
	5 FEET OR MORE	SAFETY FENCES AND BARRIERS
	LESS THAN 5 FEET	SAFETY FENCES AND BARRIERS
	5 FEET OR MORE	NONE

**SECTION 33.36**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.37**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

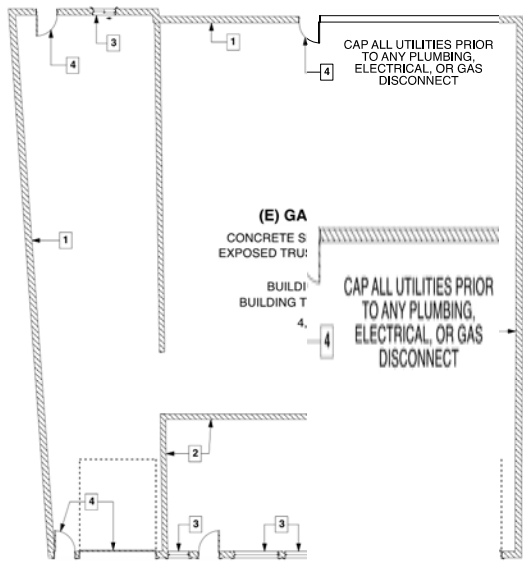
**SECTION 33.38**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.39**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

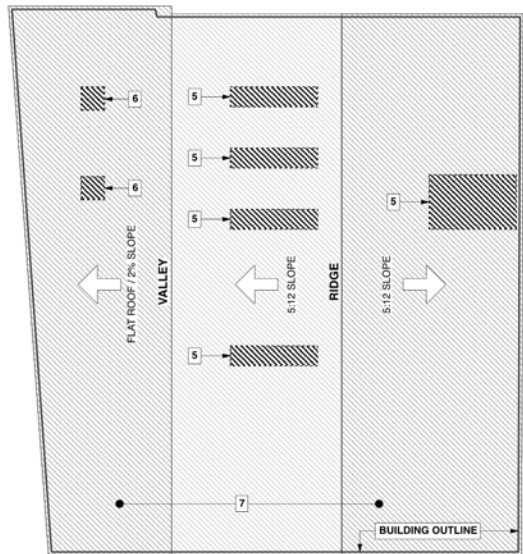
**SECTION 33.40**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.

**SECTION 33.41**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WALKWAY AND SHALL PROVIDE THE NECESSARY DETAILS TO THE DESIGNER FOR DESIGN.





1 DEMOLITION FLOOR PLAN  
Scale: 1/8" = 1'-0"



2 DEMOLITION ROOF PLAN  
Scale: 1/8" = 1'-0"

**DEMOLITION REFERENCE NOTES:**

- 1 REMOVE EXTERIOR WALL
- 2 REMOVE INTERIOR WALL
- 3 REMOVE WINDOWS
- 4 REMOVE DOORS
- 5 REMOVE SKYLIGHTS
- 6 REMOVE ROOF EQUIPMENT
- 7 REMOVE ROOF

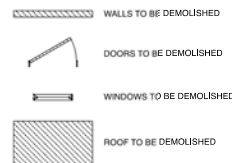
**DEMOLITION NOTES:**

1. PRIOR TO DEMOLITION, ANY EROSION CONTROL METHODS REQUIRED SHOULD BE INSTALLED AND SUFFICIENTLY VERIFIED BY THE GENERAL CONTRACTOR.
2. HOURS OF DEMOLITION SHALL BE LIMITED FROM 7:00 AM TO 7:00 PM, MONDAY THROUGH FRIDAY.
3. PEDESTRIANS SHALL BE PROTECTED FROM CONSTRUCTION / DEMOLITION AS STATED IN CBC CHAPTER 33, SECTION 3306.
4. DUST CONTROL MEASURES SHALL BE IN EFFECT CONTINUOUSLY DURING DEMOLITION AS TO LIMIT THE AMOUNT OF AIRBORNE DEBRIS AND DUST.
5. MATERIAL AND CONSTRUCTION DEBRIS TO BE HAULED OFF SITE SHALL BE SUFFICIENTLY COVERED OR TAPPED AS TO NOT ALLOW ANY MATERIAL TO LEAVE THE VEHICLE WHILE ON ANY PUBLIC RIGHT-OF-WAY.
6. MATERIAL AND CONSTRUCTION DEBRIS TO BE HAULED OFF SITE SHALL BE RECYCLED OR DISPOSED OF PROPERLY IN AN APPROVED MEANS.
7. CAP ALL UTILITIES AS NECESSARY PRIOR TO ANY PLUMBING, ELECTRICAL OR GAS DISCONNECT.
8. REMOVE ALL DEBRIS AND TRASH FROM PREMISES AND REMOVE FROM SITE DAILY.
9. COORDINATE WITH OWNER PRIOR TO REMOVAL OF ANY EQUIPMENT, FURNITURE OR STRUCTURE.
10. SAFEGUARDS DURING CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CFC, COMBUSTIBLE CONSTRUCTION DEBRIS SHALL NOT BE PERMITTED TO ACCUMULATE WITHIN THE BUILDING AND SHALL BE REMOVED DAILY.
11. VERIFY ALL ITEMS TO BE DEMOLISHED WITH OWNER PRIOR TO COMMONLY FOUND. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND IMMEDIATELY.
12. VERIFY AS BUILT CONDITION IN FIELD PRIOR TO CONSTRUCTION/ DEMOLITION.
13. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND BETWEEN THE PLANS AND THE AS BUILT CONDITION.
14. VERIFY FRAMING MEMBER SIZES AND DIRECTION AND NOTIFY ARCHITECT/ENGINEER WITH DISCREPANCIES.
15. VERIFY ALL PLUMBING LOCATIONS WITH OWNER PRIOR TO CONSTRUCTION/DEMOLITION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
16. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
17. A CONSTRUCTION AND DEMOLITION RECYCLING PLAN AND DISPOSAL REPORT SHALL BE COMPLETED BY CONTRACTOR, AND SUBMITTED TO THE COUNTY OF SAN LUIS OBISPO, AS REQUIRED.
18. DUST CONTROL SHALL BE MAINTAINED TO THE SATISFACTION OF THE COUNTY OF SAN LUIS OBISPO.
19. CONSTRUCTION NOISE WILL COMPLY WITH THE MUNICIPAL CODE SECTION 9.12 AND IS LIMITED TO THE HOURS SPECIFIED IN THE NOISE REGULATIONS.
20. THE APPLICATION SHALL HAVE THE SEWER LATERAL TELEVIEWED. THE APPLICATION SHALL SUBMIT A VIDEO INSPECTION OF THE LATERAL(S) TO THE BUILDING DEPARTMENT FOR REVIEW.
21. FIRE SAFETY DURING CONSTRUCTION, BUILDINGS UNDERGOING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 14 OF THE CFC.
22. EXISTING TREES TO BE REMOVED AND SHALL BE VERIFIED WITH THE OWNERS.
23. REMODELING OR DEMOLITION OF A PRE-1978 STRUCTURES WITHOUT USING LEAD SAFE WORK PRACTICES IS A VIOLATION OF THE CALIFORNIA HEALTH AND SAFETY CODE SECTION 152526. CONTRACTORS, REMODELERS, AND PAINTERS ARE REQUIRED TO USE LEAD-SAFE WORK PRACTICES PURSUANT TO TITLE 17, CALIFORNIA CODE OF REGULATIONS SECTION 36650. CONSTRUCTION DEBRIS KNOWN TO CONTAIN LEAD BASED PAINT MUST BE DISPOSED AT AN APPROVED LOCATION.

**DEMOLITION SCOPE OF WORK:**

1. DEMOLITION OF EXTERIOR WALLS
2. DEMOLITION OF ROOF STRUCTURE
3. DEMOLITION OF EXTERIOR RETAINING WALL
4. CONCRETE SLAB TO BE REMOVED
5. EXPOSED TRUSSES TO BE REMOVED
6. CAP UTILITIES PRIOR TO ANY PLUMBING, ELECTRICAL, OR GAS DISCONNECT (UTILITIES NOT SHOWN. SEE CIVIL SHEETS FOR UTILITY PLAN)

**DEMOLITION WALL LEGEND:**



**PROTECTION OF PEDESTRIANS - CBC CHAPTER 33 - SECTION 3306**

**Protection required**  
Pedestrians shall be protected during construction, remodeling and demolition activities as required by this chapter and Table 3306.1. Signs shall be provided to direct pedestrian traffic.

**Walkways**  
A walkway shall be provided for pedestrian travel in front of every construction and demolition site unless the authority having jurisdiction authorizes the sidewalk to be fenced or closed. Walkways shall be of sufficient width to accommodate the pedestrian traffic, but in no case shall they be less than 4 feet (1219 mm) in width. Walkways shall be provided with a durable walking surface. Walkways shall be accessible in accordance with Chapter 17A or 17B and shall be designed to support all imposed loads and in no case shall the design live load be less than 150 pounds per square foot (psf).

**Directional barricades**  
Pedestrian traffic shall be protected by a directional barricade where the walkway extends into the street. The directional barricade shall be of sufficient size and construction to direct vehicular traffic away from the pedestrian path.

**Construction railings**  
Construction railings shall be at least 42 inches (1067 mm) in height and shall be sufficient to direct pedestrians around construction areas.

**Barriers**  
Barriers shall be a minimum of 8 feet (2438 mm) in height and shall be placed on the side of the walkway nearest the construction. Barriers shall extend the entire length of the construction site. Openings in such barriers shall be protected by doors which are normally kept closed.

**Barrier design**  
Barriers shall be designed to resist loads required in Chapter 16 unless constructed as follows:

1. Barriers shall be provided with 2-inch by 4-inch (51 mm by 102 mm) top and bottom planks.
2. The barrier material shall be a minimum of 3/4-inch (19.1 mm) boards or 7/8-inch (6.4 mm) wood structural use panels.
3. Wood structural use panels shall be bonded with an adhesive identical to that for exterior wood structural use panels.
4. Wood structural use panels: 1/4 inch (6.4 mm) or 5/16 inch (7.9 mm) in thickness shall have studs spaced not more than 2 feet (610 mm) on center (o.c.).
5. Wood structural use panels: 3/8 inch (9.5 mm) or 1/2 inch (12.7 mm) in thickness shall have studs spaced not more than 4 feet (1219 mm) o.c., provided a 2-inch by 4-inch (51 mm by 102 mm) sillener is attached horizontally at midheight where the stud spacing exceeds 2 feet (610 mm) o.c.
6. Wood structural use panels: 5/8 inch (15.9 mm) or thicker shall not span over 8 feet (2438 mm).

HEIGHT OF CONSTRUCTION	DISTANCE FROM CONSTRUCTION TO LOT LINE	TYPE OF PROTECTION REQUIRED
8 FEET OR LESS	LESS THAN 5 FEET	CONSTRUCTION RAILINGS
	5 FEET OR MORE	NONE
MORE THAN 8 FEET	LESS THAN 5 FEET	BARRIER AND COVERED WALKWAY
	5 FEET OR MORE, BUT NOT MORE THAN ONE-FOURTH THE HEIGHT OF CONSTRUCTION	BARRIER AND COVERED WALKWAY
	5 FEET OR MORE, BUT EXCEEDING ONE-HALF THE HEIGHT OF CONSTRUCTION	BARRIER
	5 FEET OR MORE, BUT EXCEEDING ONE-HALF THE HEIGHT OF CONSTRUCTION	NONE

**Covered walkways**  
Covered walkways shall have a minimum clear height of 8 feet (2438 mm) as measured from the floor surface to the canopy overhead. Adequate lighting shall be provided at all times. Covered walkways shall be designed to support all imposed loads. In no case shall the design live load be less than 150 psf (7.2 kN/m<sup>2</sup>) for the entire structure.

**Exception:** Roofs and supporting structures of covered walkways for new light-frame construction not exceeding two stories in height are permitted to be designed for a live load of 75 psf (3.6 kN/m<sup>2</sup>) or the loads imposed on them, whichever is greater. In lieu of such designs, the roof and supporting structure of a covered walkway are permitted to be constructed as follows:

1. Footings shall be continuous 2-inch by 4-inch (51 mm by 102 mm) members.
2. Posts not less than 4 inches by 6 inches (102 mm by 152 mm) shall be provided on both sides of the roof and spaced not more than 12 feet (3658 mm) o.c.
3. Stringers not less than 4 inches by 12 inches (102 mm by 305 mm) shall be placed on edge upon the posts.
4. Joists resting on the stringers shall be at least 2 inches by 8 inches (51 mm by 203 mm) and shall be spaced not more than 2 feet (610 mm) o.c.
5. The deck shall be planks at least 2 inches (51 mm) thick or wood structural panels with an exterior exposure durability classification at least 2332 (18.3 mm) thick nailed to the joists.
6. Each post shall be knee braced to joists and stringers by 2-inch by 4-inch (51 mm by 102 mm) minimum members 4 feet (1219 mm) long.
7. A 2-inch by 4-inch (51 mm by 102 mm) minimum curb shall be set on edge along the outside edge of the deck.

**Repair, maintenance and removal**  
Pedestrian protection required by this chapter shall be maintained in place and kept in good order for the entire length of time pedestrians may be endangered. The owner or the owner's agent, upon the completion of the construction activity, shall immediately remove walkways, debris and other obstructions and leave such public property in as good a condition as it was before such work was commenced.

**Adjacent to excavations**  
Every excavation on a site located 5 feet (1524 mm) or less from the street lot line shall be enclosed with a barrier not less than 8 feet (2438 mm) high. Where located more than 5 feet (1524 mm) from the street lot line, a barrier shall be erected when required by the building official. Barriers shall be of adequate strength to resist wind pressure as specified in Chapter 16.

**CONTRACTOR TO SUPPLY THEIR OWN WATER FOR DUST CONTROL. ON-SITE WATER SERVICE CANNOT BE USED**



**MID-HIGUERA BYPASS**  
**306 HIGUERA ST. - DEMOLITION PLANS**

PROJECT TITLE: \_\_\_\_\_  
SHEET TITLE: \_\_\_\_\_



DESIGNED BY: **DLH**  
 DRAWN BY: **LH**  
 CHECKED BY: **DLH**  
 APPROVED BY: \_\_\_\_\_  
 DATE: **5/30/2024**  
 CITY SPECIFICATION NO.: **2090649**  
 PLAN FILE NO.: LOCATION \_\_\_\_\_  
 SHEET NO.: \_\_\_\_\_

**100% PLANS**



**MID-HIGUERA BYPASS**

**BIANCHI BRIDGE - GENERAL PLAN**

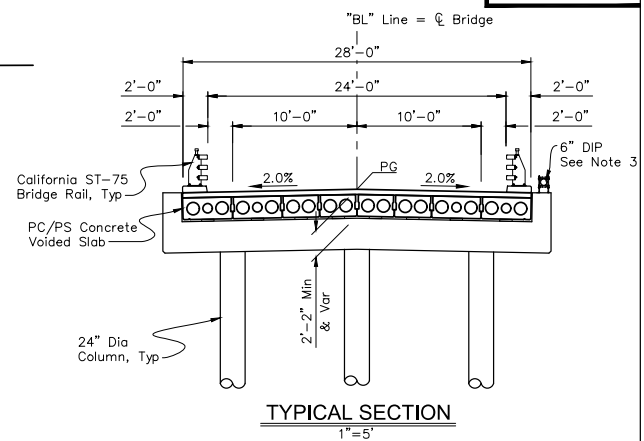
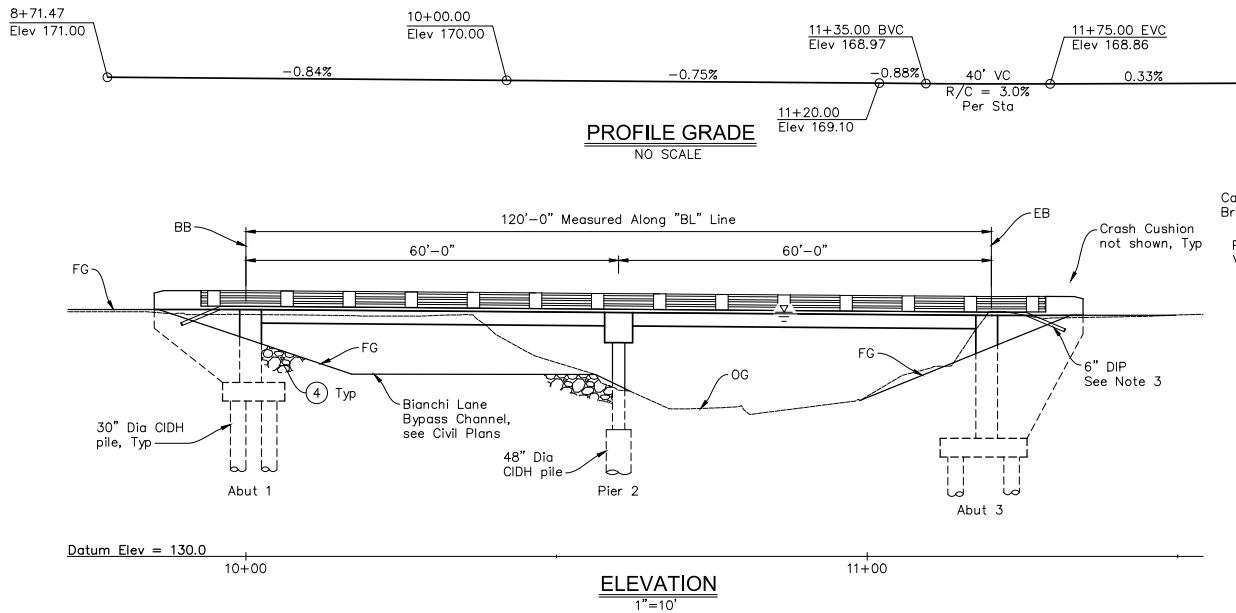
PROJECT TITLE

SHEET TITLE



DESIGNED BY: **SMC**  
 DRAWN BY: **PK**  
 CHECKED BY: **SMC**  
 APPROVED BY: **XX**  
 SCALE: **AS SHOWN**  
 DATE: **04/03/2019**  
 CITY SPECIFICATOR, INC. **90849**  
 PLAN FILE NO./LOCATION:  
 SHEET NO.

**S-1 of 65**

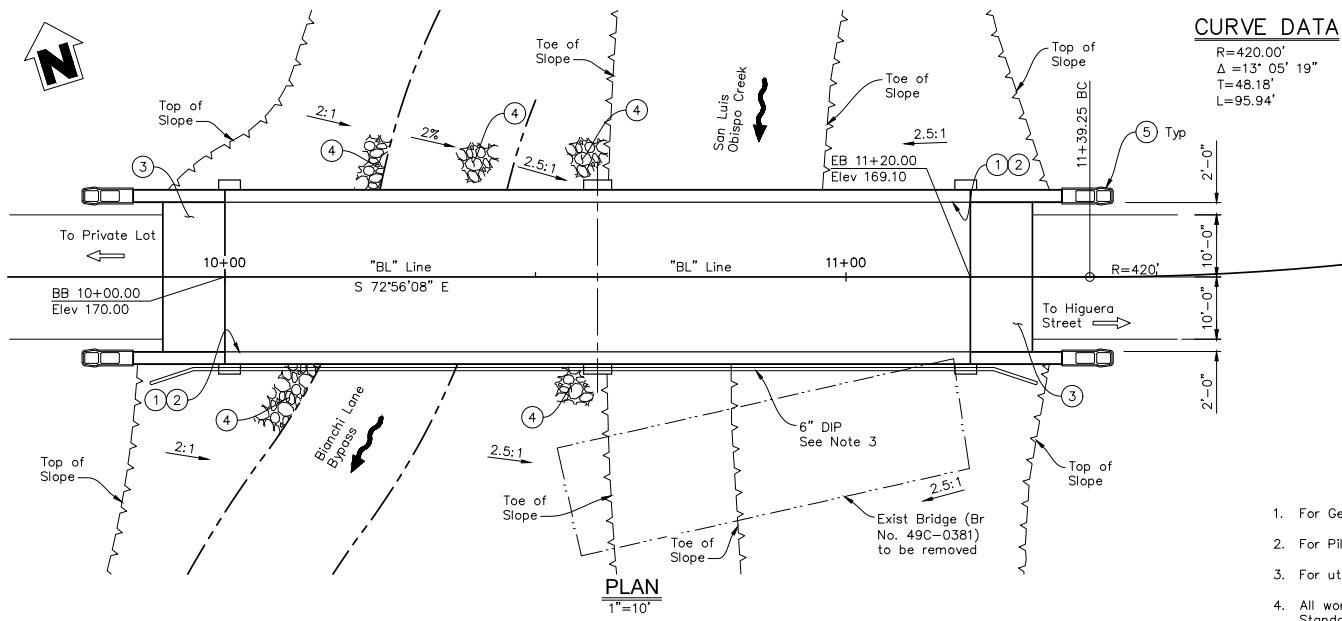


**INDEX TO PLANS**

Sheet No.	Title
S-1	General Plan
S-2	Deck Contours
S-3	Foundation Plan
S-4	Abutment 1 Layout
S-5	Abutment 3 Layout
S-6	Abutment Details
S-7	Pier Layout
S-8	Pier Details
S-9	Typical Section
S-10	PC PS Slab Layout
S-11	PC PS Slab Details
S-12	California ST-75 Bridge Rail (Mod) Details
S-13	Log of Test Borings

**CURVE DATA**

R=420.00'  
 $\Delta = 13^\circ 05' 19''$   
 T=48.18'  
 L=95.94'

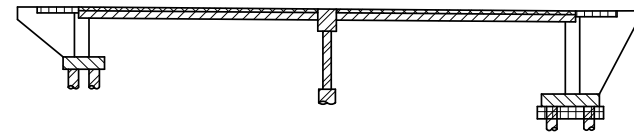
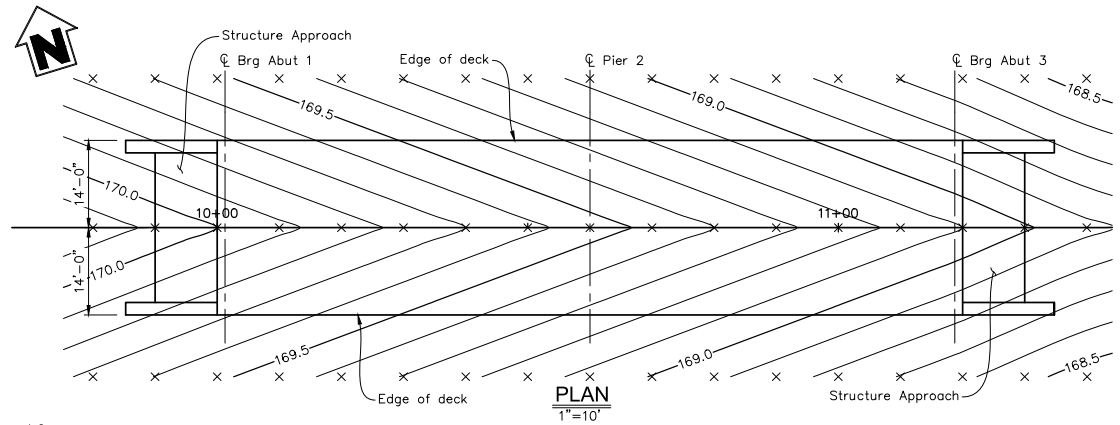


**Legend:**

- ① Paint "San Luis Obispo Creek Bridge"
- ② Paint "Bridge No. 49C0485"
- ③ Structure Approach Slab, Type EQ (10)
- ④ Rock Slope Protection, see Civil Plans
- ⑤ Crash Guard Cushion, see Civil Plans
- 1/4" Highwater Elevation,  $Q_{100} = 169.56$

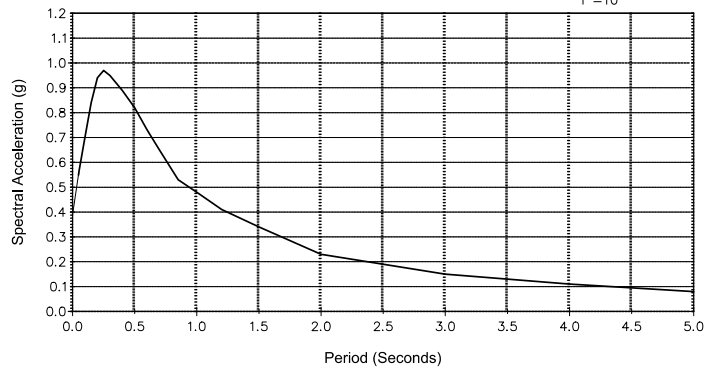
- Existing Structure
- Indicates direction of travel
- ~ Indicates direction of flow

- For General Notes and Quantities, see "Deck Contours" sheet.
- For Pile Data Table and Hydrologic Summary, see "Foundation Plan" sheet.
- For utility location and information, see "Typical Section" sheet.
- All work shown on "S" sheets must be done in accordance with Caltrans Standard Specifications dated 2023.



- Structural Concrete, Bridge (Abutments, Wingwalls)
- Structural Concrete, Bridge ( $f'_c = 4.0$  ksi @ 28 days) (Pier Cap, Columns, Shafts)
- Structural Concrete, Bridge (Polymer Fiber) ( $f'_c = 4.5$  ksi @ 28 days)
- Structural Concrete, Approach Slab (Type EQ)
- Structural Concrete, Bridge Footing
- Precast Prestressed Slab, see "PC/PS Slab Layout" sheet for concrete strength requirements
- Seal Course Concrete

**CONCRETE STRENGTH AND TYPE LIMITS**  
NO SCALE



**ACCELERATION RESPONSE SPECTRA CURVE**  
NO SCALE

Notes:  
 X = 10' intervals along station line  
 Contours Intervals = 0.10'  
 Contours do not include camber

**STANDARD PLANS DATED 2023**

- A3A Abbreviations (Sheet 1 of 3)
- A3B Abbreviations (Sheet 2 of 3)
- A3C Abbreviations (Sheet 3 of 3)
- A10A Legend - Lines and Symbols (Sheet 1 of 5)
- A10B Legend - Lines and Symbols (Sheet 2 of 5)
- A10C Legend - Lines and Symbols (Sheet 3 of 5)
- A10D Legend - Lines and Symbols (Sheet 4 of 5)
- A10E Legend - Lines and Symbols (Sheet 5 of 5)
- A10F Legend - Soil (Sheet 1 of 2)
- A10G Legend - Soil (Sheet 2 of 2)
- A10H Legend - Rock
- A62C Limits of Payment for Excavation and Backfill - Bridge
- B0-1 Bridge Details
- B0-3 Bridge Details
- B0-5 Bridge Details
- B0-13 Bridge Details
- B6-21 Joint Seals (Maximum Movement Rating = 2")
- B9-4 Structure Approach - Type EQ (10)
- B9-5 Structure Approach - Slab Details
- B9-6 Structure Approach - Drainage Details
- RSP B11-200 California ST-75 Bridge Rail Detail No. 1
- RSP B11-201 California ST-75 Bridge Rail Detail No. 2
- RSP B11-202 California ST-75 Bridge Rail Detail No. 3
- RSP B11-220 California Bridge Rail ST-75, ST-75SW, ST-76, And ST-76SW Post And Rail Details
- RSP B11-221 California Bridge Rail ST-75, ST-75SW, ST-76, And ST-76SW Rail Splice Details
- RSP B11-222 California Bridge Rail ST-75, ST-75SW, ST-76, And ST-76SW Parapet Shoe Details

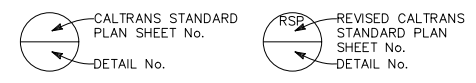
**GENERAL NOTES**

**LOAD AND RESISTANCE FACTOR DESIGN**

- DESIGN: AASHTO LRFD Bridge Design Specifications, 6th edition and the Caltrans Amendments, preface dated January 2014.
- SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC), version 1.7, dated April 2013.
- DEAD LOAD: Includes 35 psf for future wearing surface.
- LIVE LOADING: HL93 and permit design load.
- SEISMIC LOADING: Soil profile  $V_{30} = 343$  m/s  
 Moment Magnitude  $M_{max} = 6.8$  m  
 Peak Ground Acceleration = 0.39 g  
 see ARS Curve.
- REINFORCED CONCRETE:  
 $f_y = 60$  ksi  
 $f'_c = 3.6$  ksi  
 $n = 8$
- PRESTRESSED CONCRETE:  
 See "Prestressing Notes" on "PC/PS Slab Layout" sheet.

**QUANTITIES**

Bridge Removal	Lump Sum
Structure Excavation (Type A)	455 CY
Structure Excavation (Type D)	227 CY
Structure Backfill (Bridge)	375 CY
Permanent Steel Casing	3 EA
Temporary Shoring	Lump Sum
30" Cast-In-Drilled-Hole Concrete Piling	347 LF
48" Cast-In-Drilled-Hole Concrete Piling	36 LF
30" Cast-In-Drilled-Hole (Rock Socket)	259 LF
48" Cast-In-Drilled-Hole (Rock Socket)	57 LF
Seal Course Concrete	61 CY
Structural Concrete, Bridge Footing	85 CY
Structural Concrete, Bridge	161 CY
Structural Concrete, Bridge (Polymer Fiber)	52 CY
Structural Concrete, Approach Slab (Type EQ)	18 CY
Furnish Precast Prestressed Concrete Slab (Type SIV)	3318 EA
Erect Precast Concrete Girder	8 EA
Joint Seal (MR = 1")	50 LF
Bar Reinforcing Steel (Bridge)	121930 LB
Miscellaneous Metal (Bridge)	200 LB
California ST-75 Bridge Rail (Mod)	299 LF
Tubular Bicycle Railing	271 LF



MID-HIGUERA BYPASS

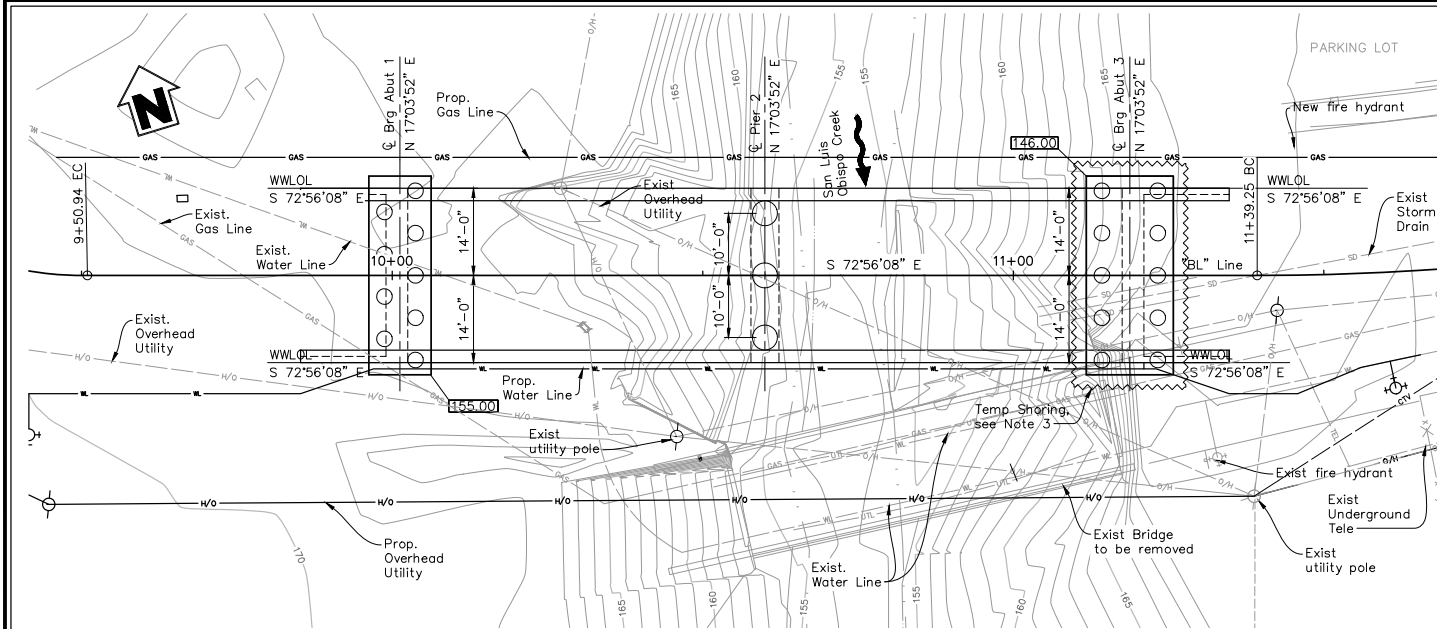
BIANCHI BRIDGE - DECK CONTOURS

PROJECT TITLE

SHEET TITLE



DESIGNED BY: SMC  
 DRAWN BY: PK  
 CHECKED BY: SMC  
 APPROVED BY: SMC  
 SCALE: AS SHOWN  
 DATE: 04/03/2019  
 CITY SPECIFICATION No. 90849  
 PLAN FILE NO./LOCATION:  
 SHEET NO.



- Legend:
- X X Indicates bottom of footing elevation
  - Indicates Cast-In-Drilled-Hole piles
  - ~~~~~ Indicates Temporary Shoring, see Note 3

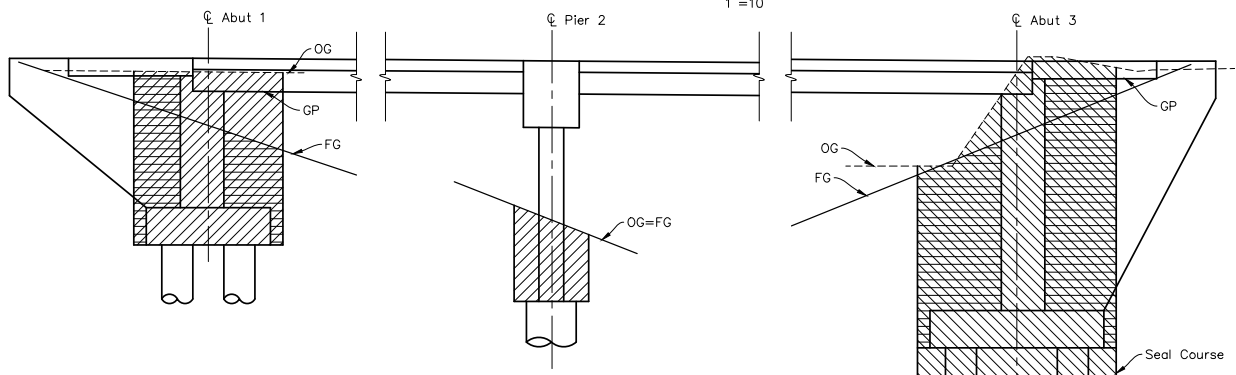
- Notes:
1. For utility information, see Civil Plans.
  2. Pile installation shall be sequenced in accordance with the project special provisions.
  3. Temporary shoring may be required for bridge construction. Approximate limits shown, actual limits and design of temporary shoring are the responsibility of the Contractor.

**HYDROLOGIC SUMMARY**

Drainage area: 24.70 Square Miles

	Design Flood	Base Flood
Frequency (years)	50	100
Discharge (cubic feet per second)	11,265	12,501
Water Surface Elev at Bridge (ft)	169.22	169.56

**PLAN**  
1"=10'



- Structure Excavation (Type A)
- Structure Excavation (Type B)
- Structure Backfill

**LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL**  
NO SCALE

**SCOUR DATA TABLE**

SUPPORT NO.	LONG TERM (DEGRADATION AND CONTRACTION) SCOUR ELEVATION (ft)	SHORT TERM (LOCAL) SCOUR DEPTH (ft)
Abut 1	155.8	-
Pier 2	137.7	8.9
Abut 3	146.8	-

**PILE DATA TABLE**

LOCATION	PILE TYPE	PILE CUTOFF ELEVATION	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEVATION (ft)	SPECIFIED TIP ELEVATION (ft)	MINIMUM ROCK SOCKET LENGTH (ft)
			COMPRESSION	TENSION			
Abut 1	30" CIDH	155.3	286	N/A	126 (1) 125 (3)	125	11
Pier 2	48" CIDH	148.0	1,000	N/A	117 (1) 122 (3)	117	19
Abut 3	30" CIDH	146.3	500	N/A	113 (1) 118 (3)	113	16

Notes: Design Tip Elevation is controlled by the following demands:  
(1) Compression, (2) Tension, (3) Lateral Loads.

MID-HIGUERA BYPASS

BIANCHI BRIDGE - FOUNDATION PLAN

PROJECT TITLE

SHEET TITLE



DESIGNED BY: SMC  
 DRAWN BY: PK  
 CHECKED BY: SMC  
 APPROVED BY: ---  
 SCALE: AS SHOWN  
 DATE: 04/03/2019  
 CITY SPECIFICATION NO. 90849  
 PLAN FILE NO./LOCATION:  
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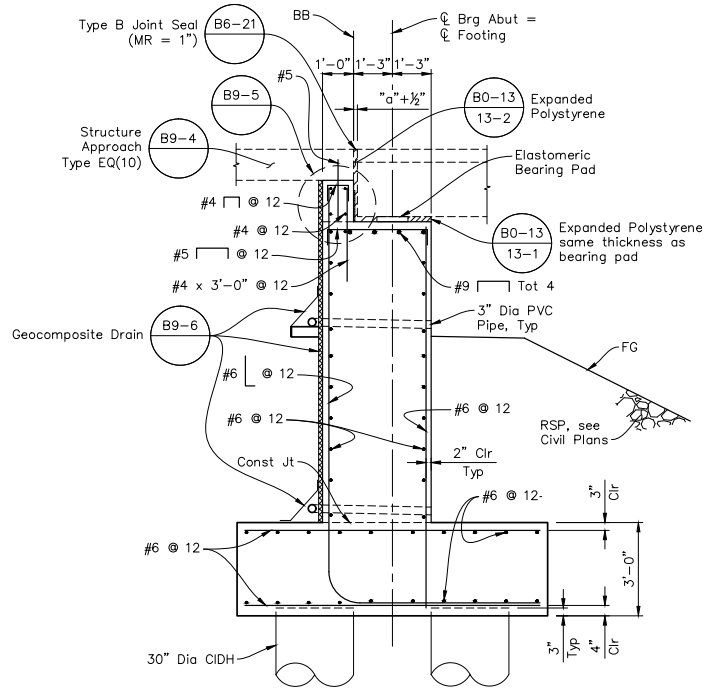
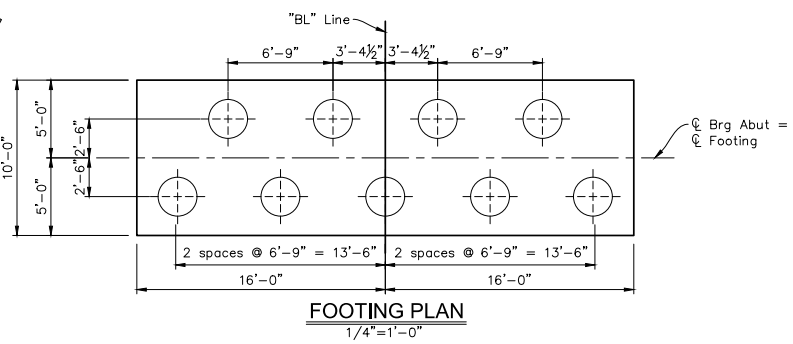
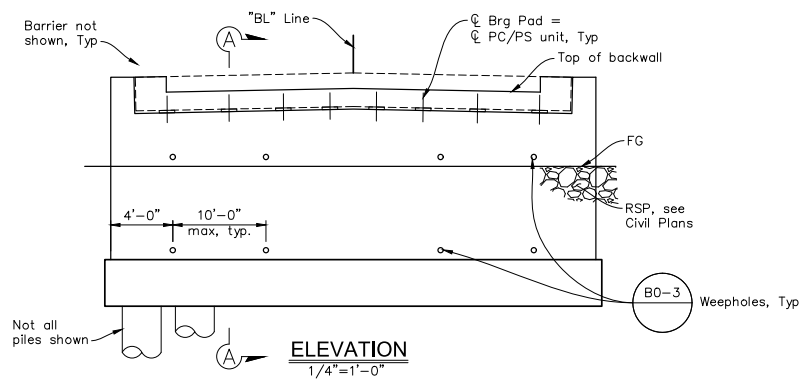
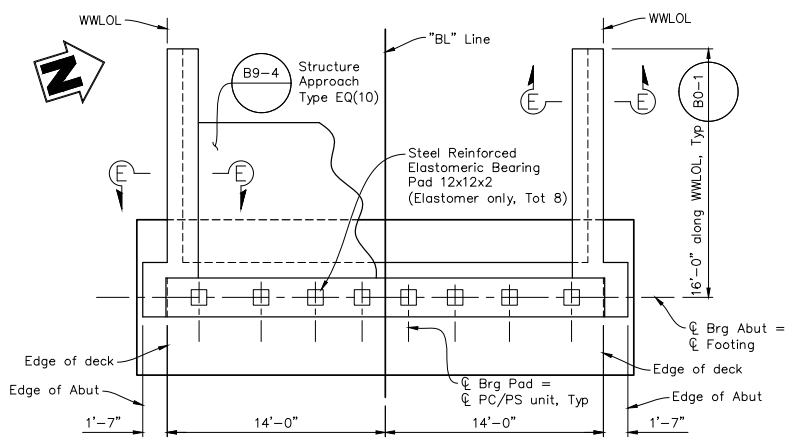


PROJECT TITLE

SHEET TITLE



DESIGNED BY: SMC  
 DRAWN BY: PK  
 CHECKED BY: SMC  
 APPROVED BY: ---  
 SCALE: AS SHOWN  
 DATE: 04/03/2019  
 CITY SPECIFICATOR, INC. 90849  
 PLAN FILE NO./ LOCATION:  
 SHEET NO.



Notes:  
 1. For sections and details not shown, see Abutment Details sheets.



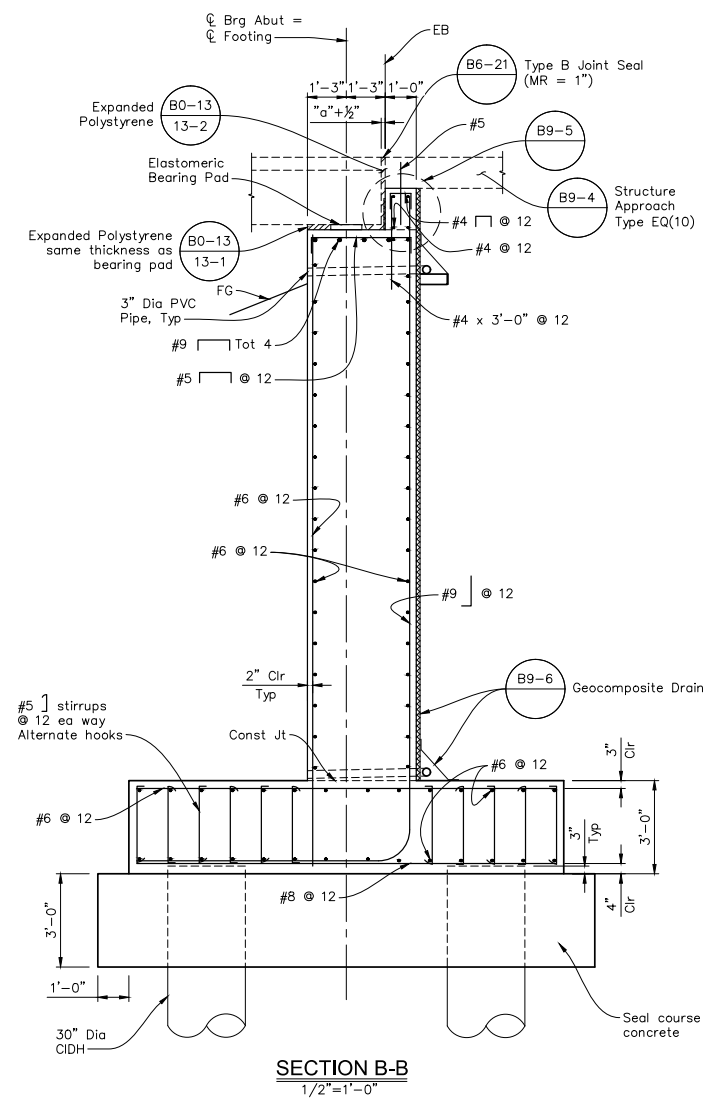
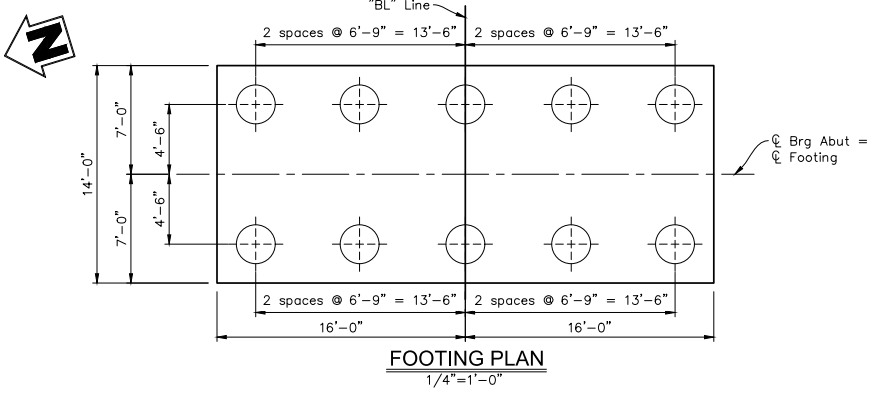
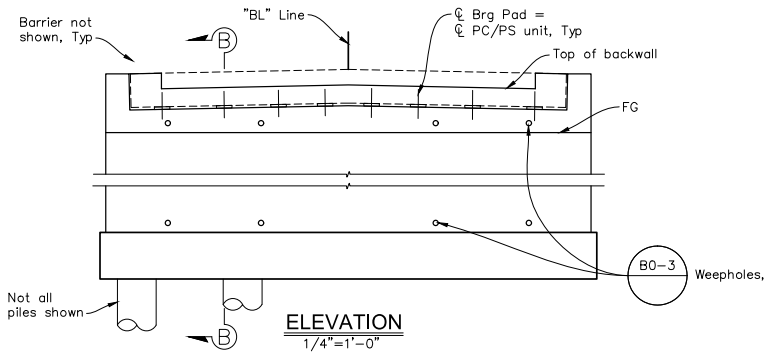
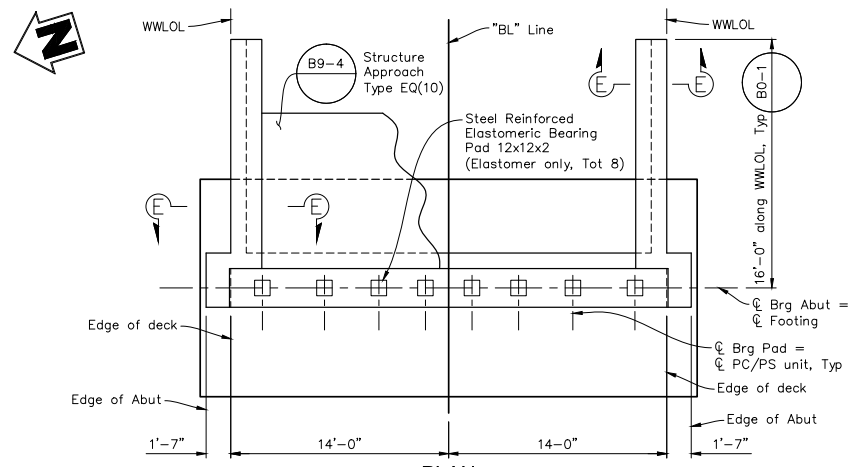


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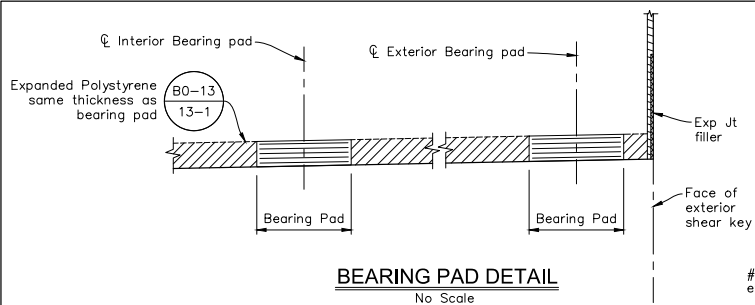
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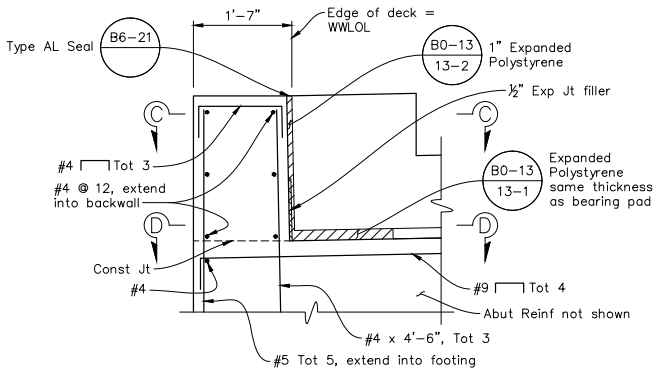
DESIGNED BY: SMC  
 DRAWN BY: PK  
 CHECKED BY: SMC  
 APPROVED BY: ---  
 SCALE: AS SHOWN  
 DATE: 04/03/2019  
 CITY SPECIFIC: K&N, INC. 90849  
 PLAN FILE NO./LOCATION:  
 SHEET NO.



Notes:  
 1. For sections and details not shown, see Abutment Details sheets.



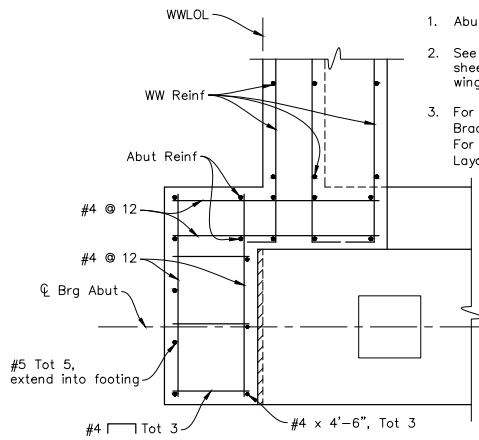
**BEARING PAD DETAIL**  
No Scale



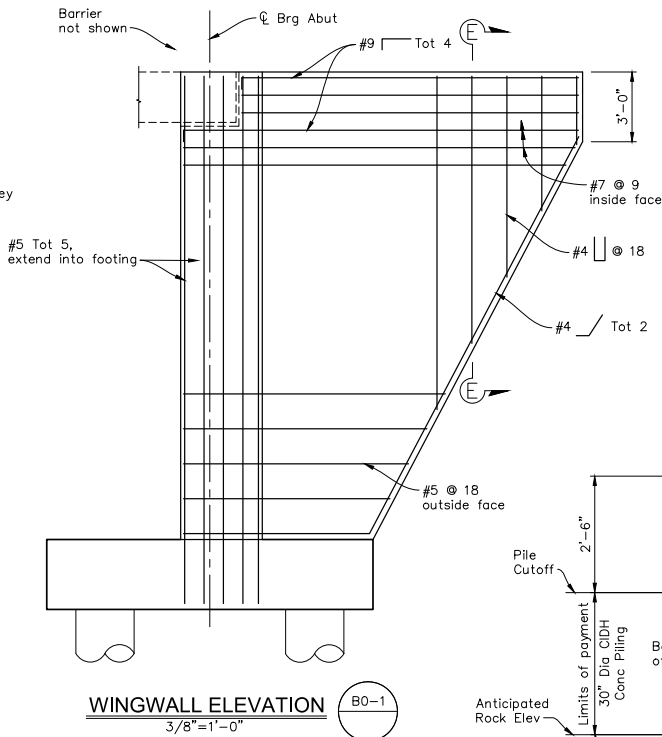
**SHEAR KEY ELEVATION**  
1"=1'-0"

Notes:

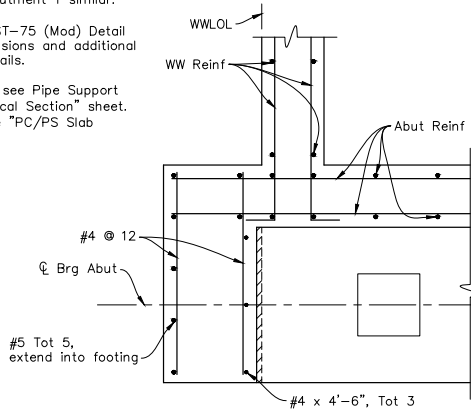
1. Abutment 3 shown, Abutment 1 similar.
2. See California Barrier ST-75 (Mod) Detail sheet for barrier dimensions and additional wingwall reinforcing details.
3. For details not shown, see Pipe Support Bracket Detail on "Typical Section" sheet. For bracket layout, see "PC/PS Slab Layout" sheet.



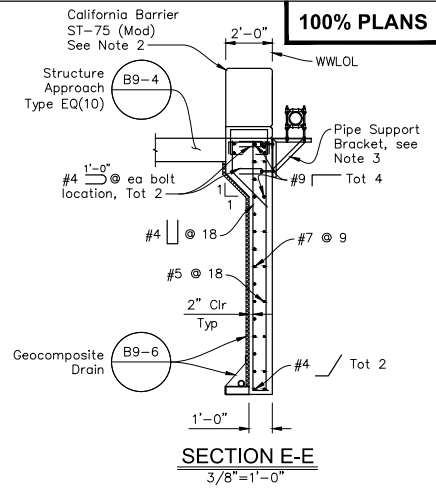
**SECTION C-C**  
1"=1'-0"



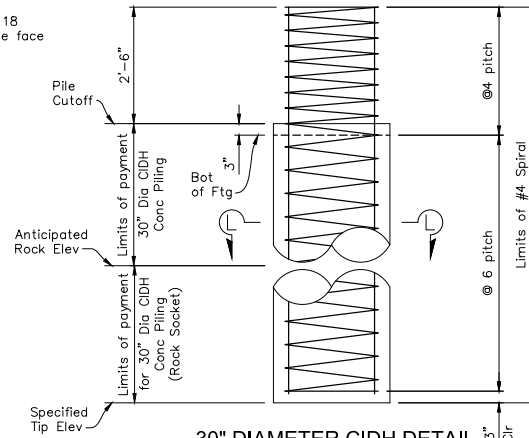
**WINGWALL ELEVATION** (B0-1)  
3/8"=1'-0"



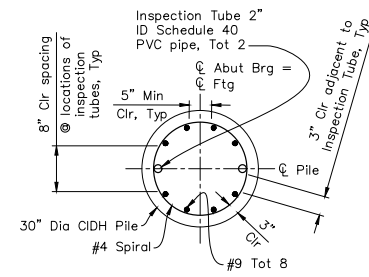
**SECTION D-D**  
1"=1'-0"



**SECTION E-E**  
3/8"=1'-0"



**30\"/>**



**SECTION L-L**  
3/4"=1'-0"



MID-HIGUERA BYPASS

BIANCHI BRIDGE - ABUTMENT DETAILS

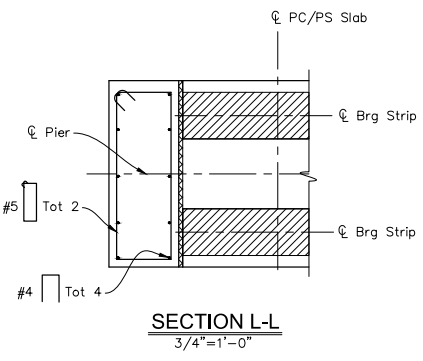
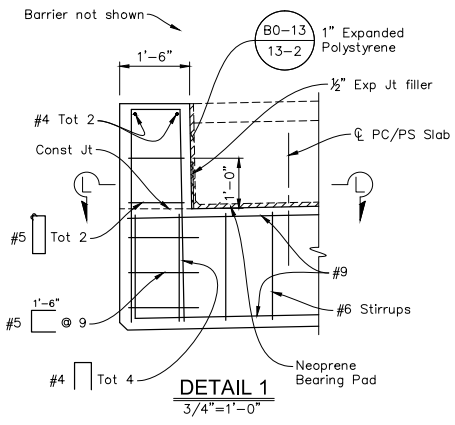
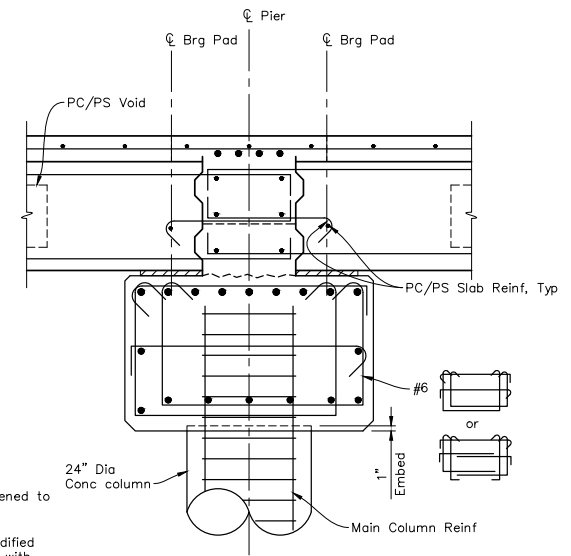
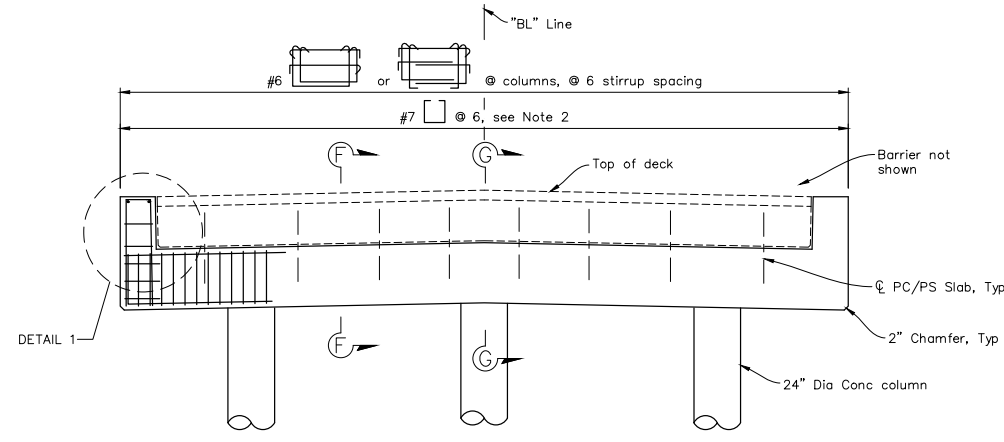
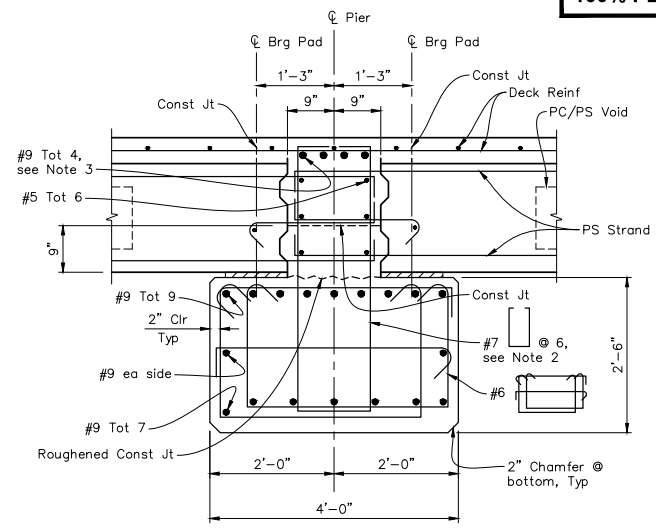
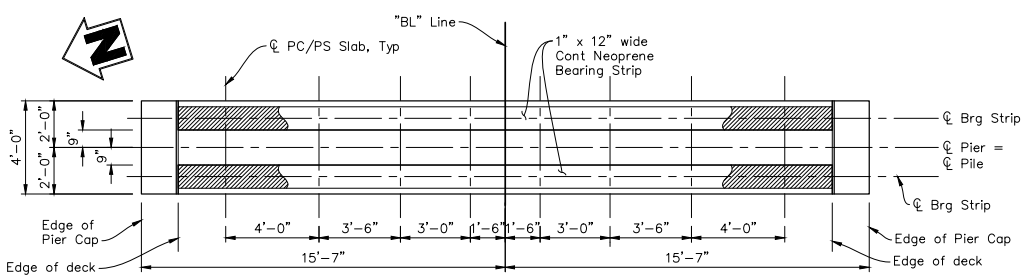
PROJECT TITLE

SHEET TITLE



DESIGNED BY:	SMC
DRAWN BY:	PK
CHECKED BY:	SMC
APPROVED BY:	---
SCALE:	AS SHOWN
DATE:	04/03/2019
CITY SPECIFICATED NO.:	90849
PLAN FILE NO./LOCATION:	
SHEET NO.:	

S-6 of 65



- Notes:
1. All construction joints shall be roughened to 1/4" amplitude.
  2. Spacing of reinforcement may be modified at column locations to avoid conflict with column reinforcement.
  3. Reinforcement shall be placed under all deck reinforcement, including additional reinforcement shown, on Framing Plan detail on "PC/PS Slab Layout" sheet.

PROJECT TITLE

SHEET TITLE



DESIGNED BY: SMC  
 DRAWN BY: PK  
 CHECKED BY: SMC  
 APPROVED BY: ---  
 SCALE: AS SHOWN  
 DATE: 04/03/2019  
 CITY SPECIFIC: KATKIN, INC. 90849  
 PLAN FILE NO./LOCATION:  
 SHEET NO.

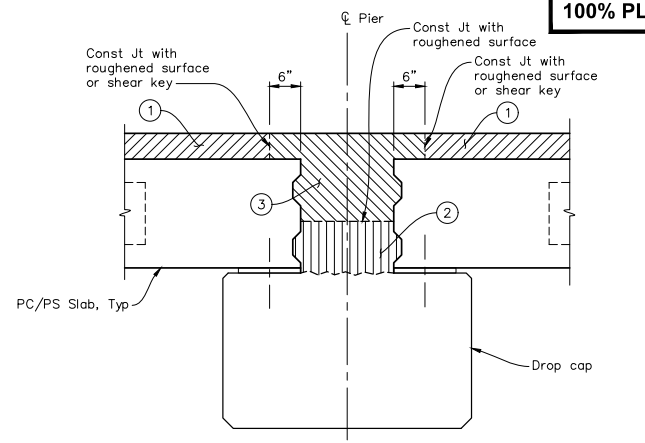
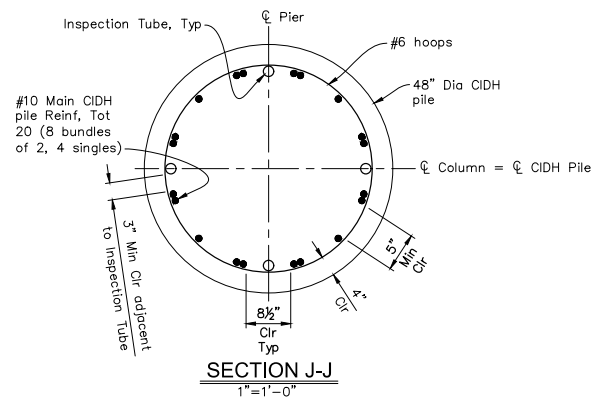
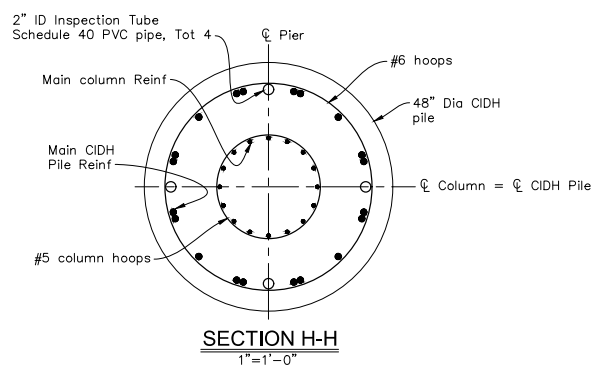
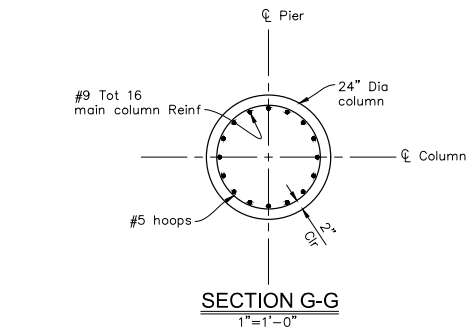
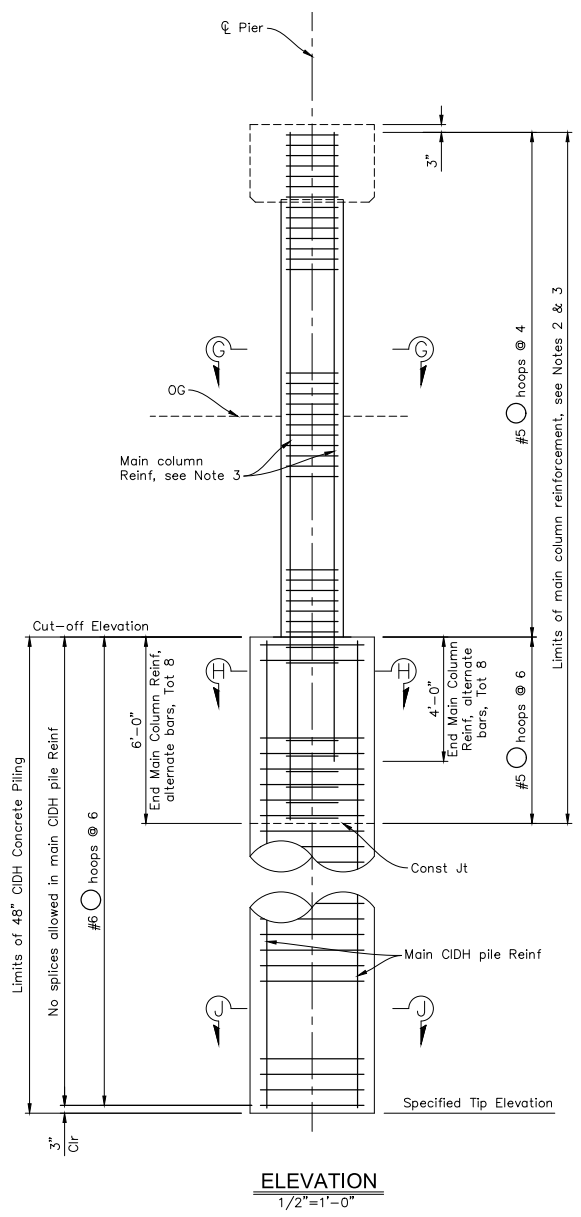


PROJECT TITLE

SHEET TITLE

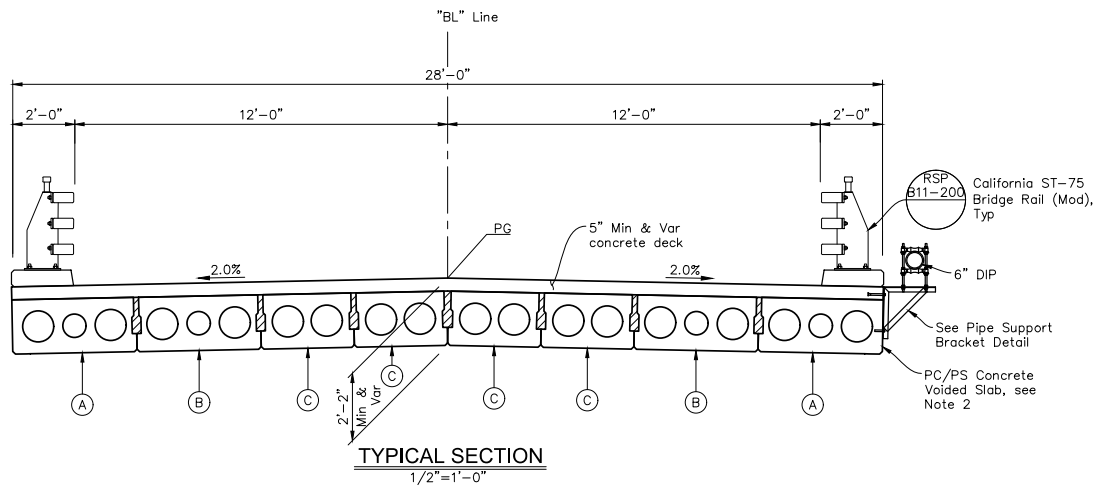


DESIGNED BY:	SMC
DRAWN BY:	PK
CHECKED BY:	SMC
APPROVED BY:	---
SCALE:	AS SHOWN
DATE:	04/03/2019
CITY SPECIFICATION NO.:	90849
PLAN FILE NO./LOCATION:	
SHEET NO.:	

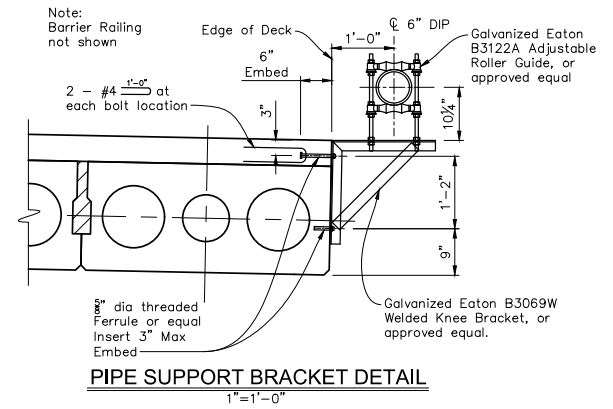


- Place deck concrete
  - Place bottom portion of diaphragm concrete no sooner than 90 days after girders have been cast.
  - Place remaining diaphragm concrete no sooner than 1 day after ① and ② have been placed.
- No vehicle loading allowed on spans until 10 days after ③ has been placed.
- DECK & DIAPHRAM CONCRETE PLACEMENT SEQUENCE**  
 No Scale

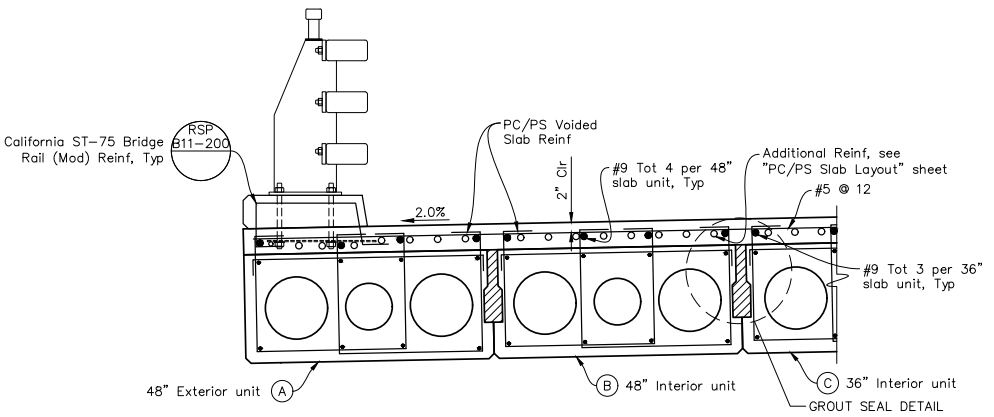
- Notes:
1. For pier cap reinforcement, see "Pier Layout" sheet.
  2. All hoops shall be "Ultimate" Butt Spliced, continuous.
  3. No splices allowed in main column or main pier cap reinforcement.
  4. For CIDH pile data, see "Foundation Plan" sheet.



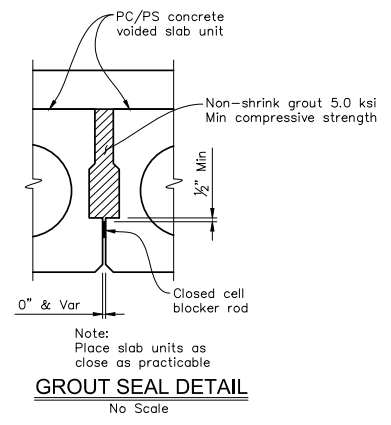
**TYPICAL SECTION**  
1/2"=1'-0"



**PIPE SUPPORT BRACKET DETAIL**  
1"=1'-0"



**PART TYPICAL SECTION**  
1"=1'-0"



**GROUT SEAL DETAIL**  
No Scale

- Notes:
1. Voids do not extend into end diaphragms, unless otherwise shown.
  2. For PC/PS Concrete Voids Slab details, see PC/PS Slab Details sheet.

- Legend:
- Grouted keyways
  - Slab unit designation

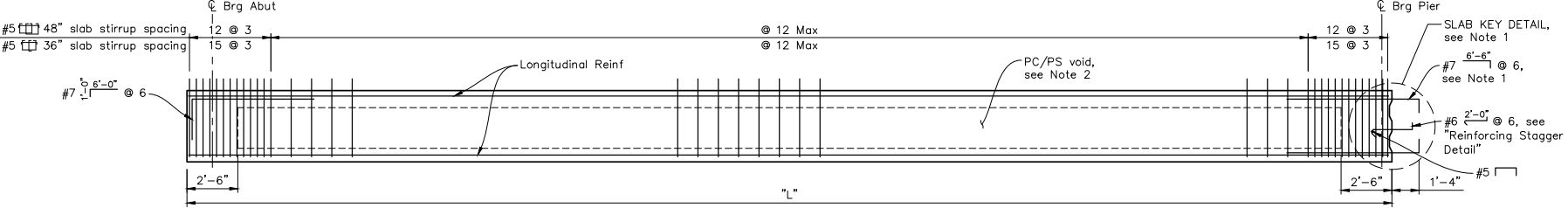
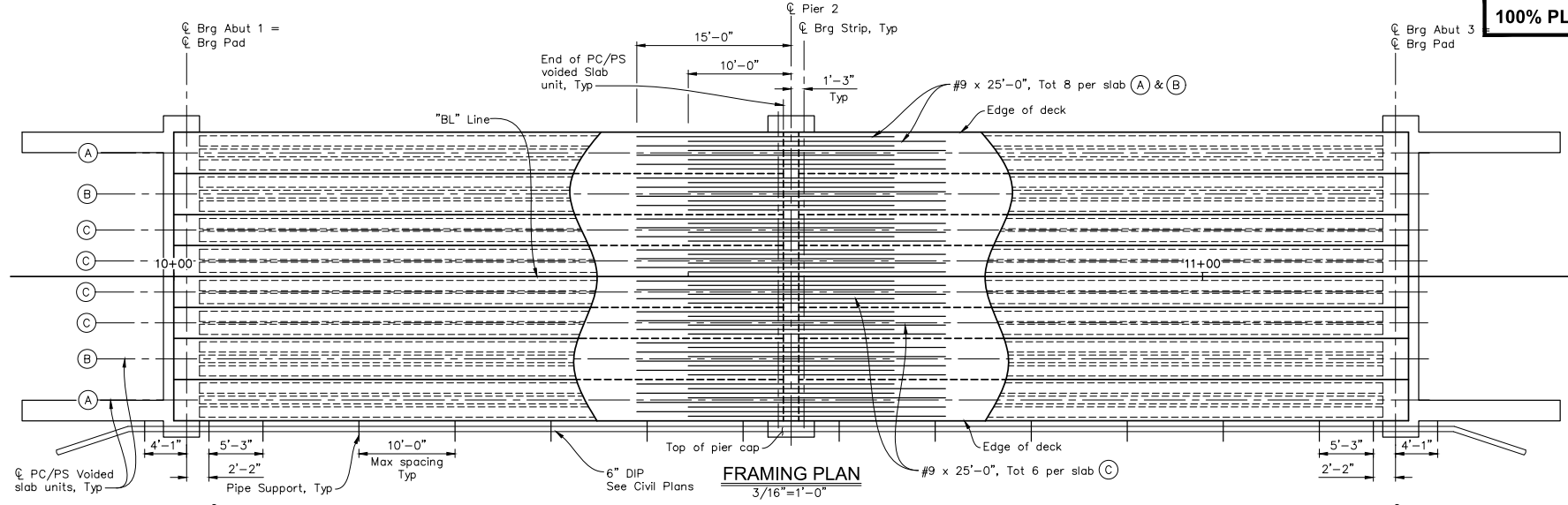
MID-HIGUERA BYPASS  
 BIANCHI BRIDGE - TYPICAL SECTION

PROJECT TITLE

SHEET TITLE



DESIGNED BY: SMC  
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 APPROVED BY: ---  
 SCALE: AS SHOWN  
 DATE: 04/03/2019  
 CITY SPEC/EATER INC. 90849  
 PLAN FILE NO./LOCATION:  
 SHEET NO.



Note: Span 1 shown, Span 2 similar.

**PRESTRESSING NOTES**

270 KSI Low Relaxation Strand:  
The Jacking force ( $P_j$ ) is the jacking force required at the point of control along the span. The jacking force does not include any losses.

Total Number of Girders = 8

Concrete:  $f'_c = 6.5$  psi @ 28 days

$f'_{ci} = 4.0$  psi @ time of stressing

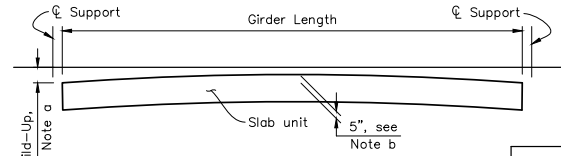
Debond: Length 5 ft at ends of 36" slab unit

Strands 40% of Bottom Row (36" Slab unit)

Deflection Components:  
Informational to be used in setting screed elevations. Values shown are immediate deflections and do not account for long term effects. Contractor is responsible for determining time dependant deflections.

Screed line elevations for deck concrete will be determined by Engineer

The minimum clearance "S" between individual strands is 1 1/2" for 3/8" Dia strands, 1 3/4" for 1/2" Dia strands and 2" for 5/8" Dia strands, "S" is measured between centers of adjacent strands.



- Build-up shall include effects of prestressing, slab dead load, deck dead load, concrete barrier dead load, and roadway profile vertical curve. Estimated build-up values shown in table are informational only. Contractor to submit build-up calculations.
- The specified deck thickness at midspans assumes that the slab fabrication and erection will meet required deck elevations. In case of variations, adjust seats to meet corrected elevation.

**PC/PS VOIDED SLAB TABLE**

SLAB DESIGNATION	GIRDER LENGTH "L"	JACKING FORCE $P_j$ BOTTOM c.g. (kips)	JACKING FORCE $P_j$ TOP c.g. (kips)	MIDSPAN DEAD LOAD DEFLECTION (in)			
				DECK	BARRIER	PRESTRESSING & SLAB (initial)	PRESTRESSING & SLAB (3 months after release)
(A) & (B)	59'-2"	700	175	-0.36	-0.03	0.09	0.09
(C)	59'-2"	615	130	-0.41	-0.04	0.44	0.71

	ESTIMATED BUILD-UP (ft)	
	(A) & (B)	(C)
DECK	0.42	0.42
CAMBER	0.04	0.04
VERTICAL CURVE	-	-
*BUILD-UP	0.46	0.50

\* Build-up applies:  
(1) Span 1  
(2) Span 2

- Notes:
- For sections and details not shown, see "PC/PS Slab Details" sheet.
  - voids do not extend into end diaphragms, unless otherwise shown.

PROJECT TITLE

SHEET TITLE



DESIGNED BY: SMC  
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CHECKED BY: SMC  
APPROVED BY: AS SHOWN  
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CITY SPECIFIC PLAN NO.: 90849  
PLAN FILE NO./LOCATION:  
SHEET NO.:

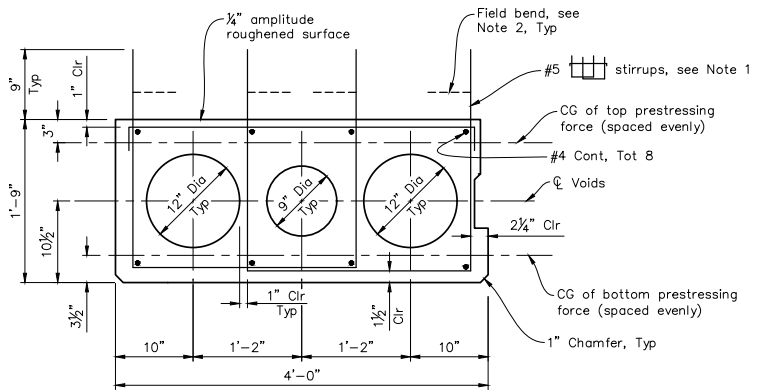


PROJECT TITLE

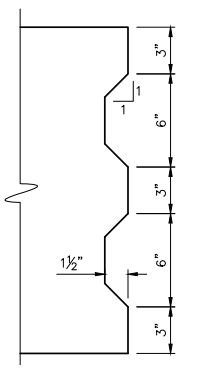
SHEET TITLE



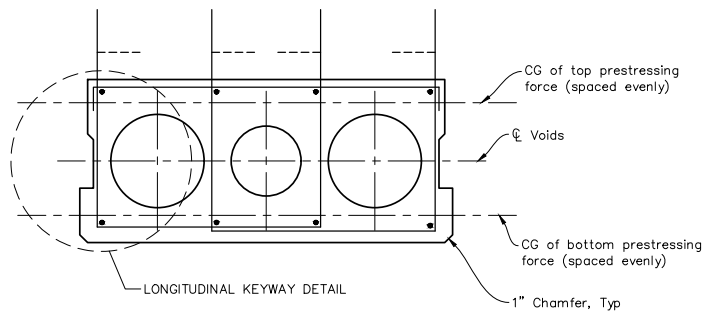
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APPROVED BY:	---
SCALE:	AS SHOWN
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CITY SPECIFICATION NO.:	90849
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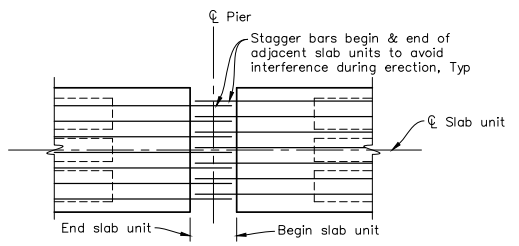
**TYPICAL SECTION 48" EXTERIOR UNIT (A)**  
1 1/2"=1'-0"



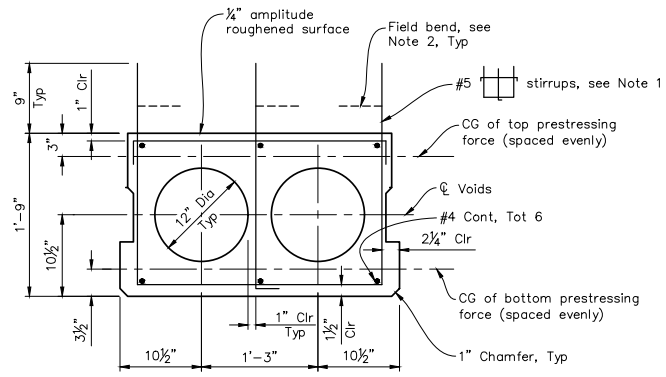
**SLAB KEY DETAIL**  
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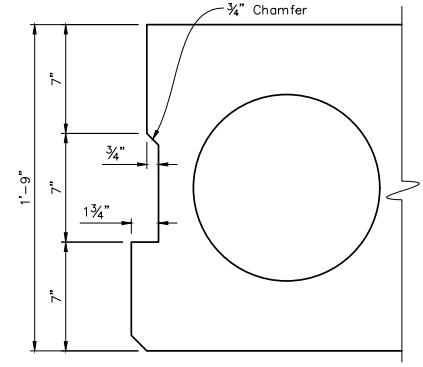
Note:  
For reinforcement and dimensions not shown, see "Typical Section 48" Exterior Unit (A)"  
**TYPICAL SECTION 48" INTERIOR UNIT (B)**  
1 1/2"=1'-0"



**REINFORCING STAGGER DETAIL**  
1/2"=1'-0"



**TYPICAL SECTION 36" INTERIOR UNIT (C)**  
1 1/2"=1'-0"



**LONGITUDINAL KEYWAY DETAIL**  
3"=1'-0"

- Notes:
- See "Typical Section" sheet for reinforcement layout and clearances not shown.
  - Slab stirrups to be field bent after slab unit are erected.



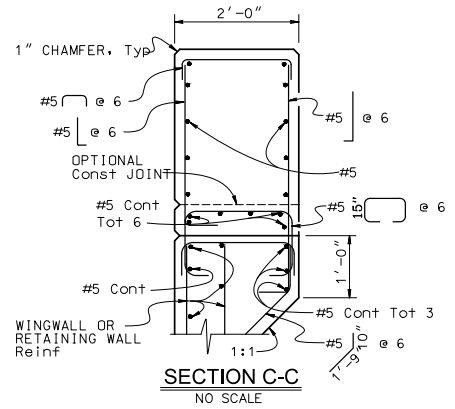
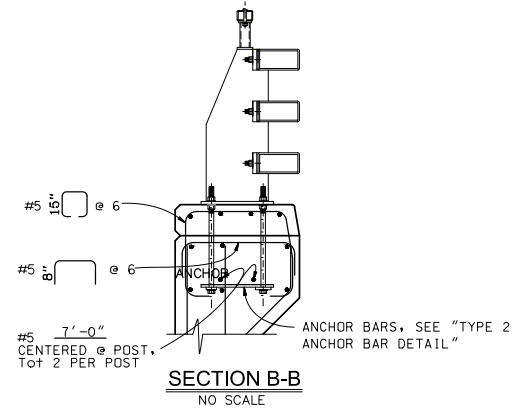
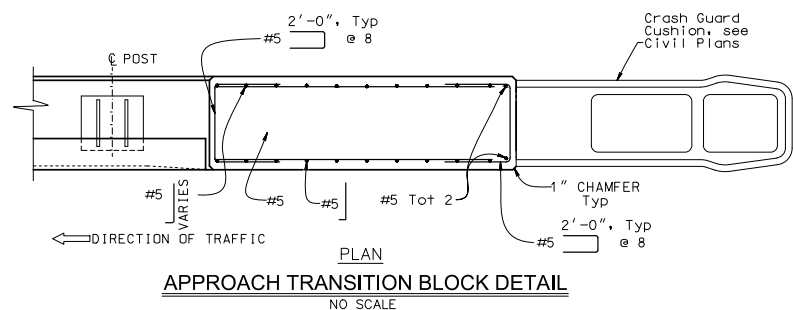
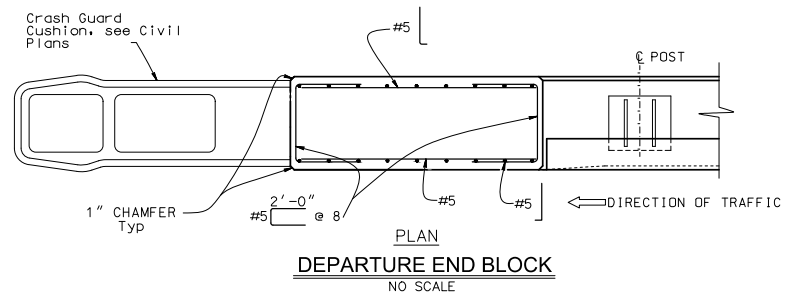
MID-HIGUERA BYPASS  
 BIANCHI BRIDGE - CALIFORNIA ST-75 BRIDGE RAIL (MOD) DETAILS

PROJECT TITLE

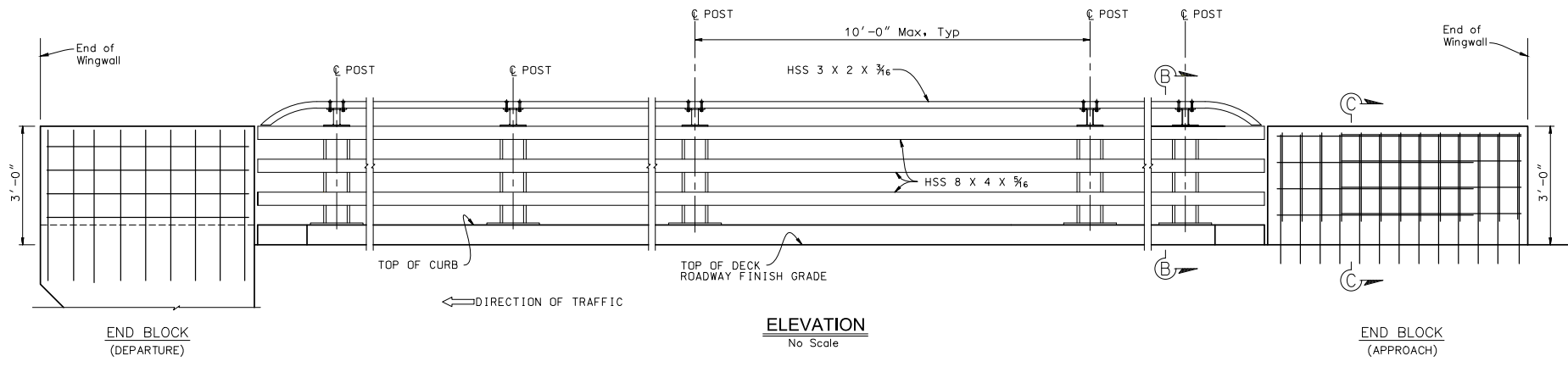
SHEET TITLE



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 APPROVED BY: ---  
 SCALE: AS SHOWN  
 DATE: 04/03/2019  
 CITY SPECIFICATION NO.: 90849  
 PLAN FILE NO./LOCATION:  
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Note:  
1. For Details and Dimensions not shown, see Revised Standard Plan B11-201.



END BLOCK (DEPARTURE)

ELEVATION  
No Scale

END BLOCK (APPROACH)

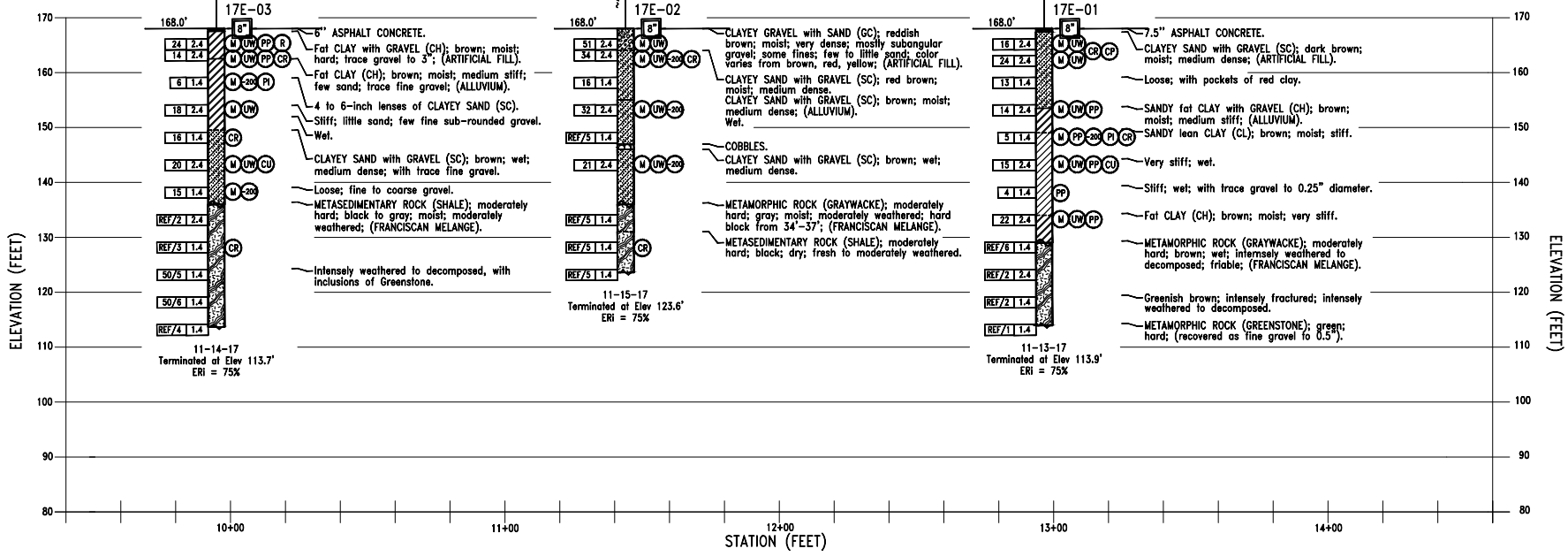
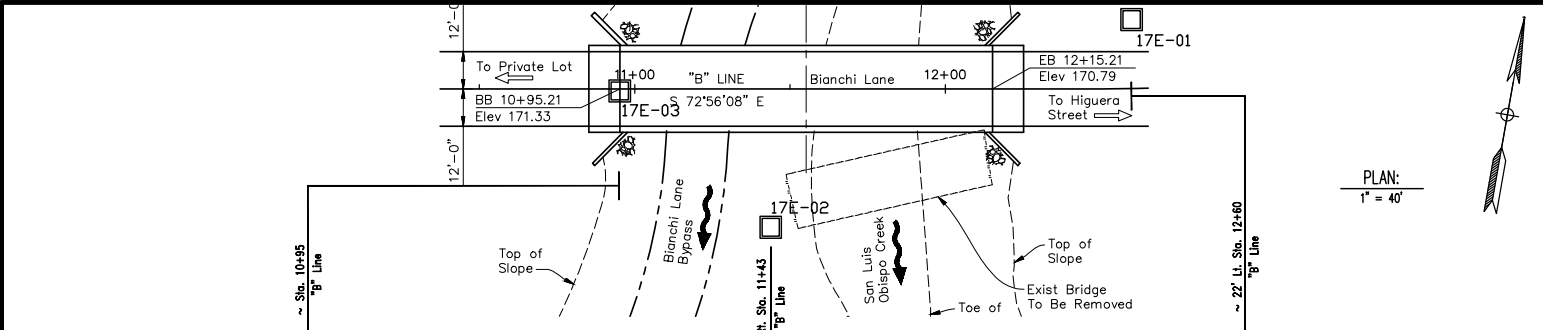


DIST	COUNTY	ROUTE	POST MILES	SHEET NO	TOTAL SHEETS
05	SLO	N/A	N/A		

GEOTECHNICAL PROFESSIONAL: X  
 DATE: \_\_\_\_\_  
 AUDIT J. KING  
 No. 2903  
 Exp. 9/30/2019  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: \_\_\_\_\_  
 The City of San Luis Obispo or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

**YEH AND ASSOCIATES, INC.**  
 391 FRONT STREET, SUITE D  
 GROVER BEACH, CA



**NOTES:**

- Auger borings excavated with a CMC-75 drill rig equipped with 8 in. hollow stem augers and an automatic trip hammer weighing 140 pounds falling 30 inches with estimated 75% efficiency.
- "1.4" Standard Penetration Test (SPT) sampler has a 1-3/8 in. inside diameter and a 2 in. outside diameter.
- "2.4" sampler has a 2-3/8 in. inside diameter and a 3 in. outside diameter (modified Calif. sampler) with brass liners.
- "ref/2" indicates drive exceeded 50 blows during initial 6 in. seating.
- "90/11" indicates partial drive having number of blows over depth interval noted.
- All blow counts are uncorrected field blow counts.
- See 2010 Caltrans Standard Plans A10F, A10G, A10I, and A10H for legend.
- (cont.) of soil and rock classification and boring notations.
- This LOTB was prepared in accordance with the Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).

**PROFILE:**  
 Hor. 1" = 40'  
 Vert. 1" = 20'

DESIGN OVERSIGHT	DRAWN BY J. CRAVENS	FIELD INVESTIGATION BY S. BOONE	PROJECT ENGINEER J. KING	BRIDGE NO. 49C0391	BIANCHI LANE BRIDGE	
DESIGN DATE	CHECKED BY J. KING	DATE NOVEMBER 2017	PROJECT NUMBER & PHASE N/A	POST MILES N/A	LOG OF TEST BORINGS (1 OF 1)	