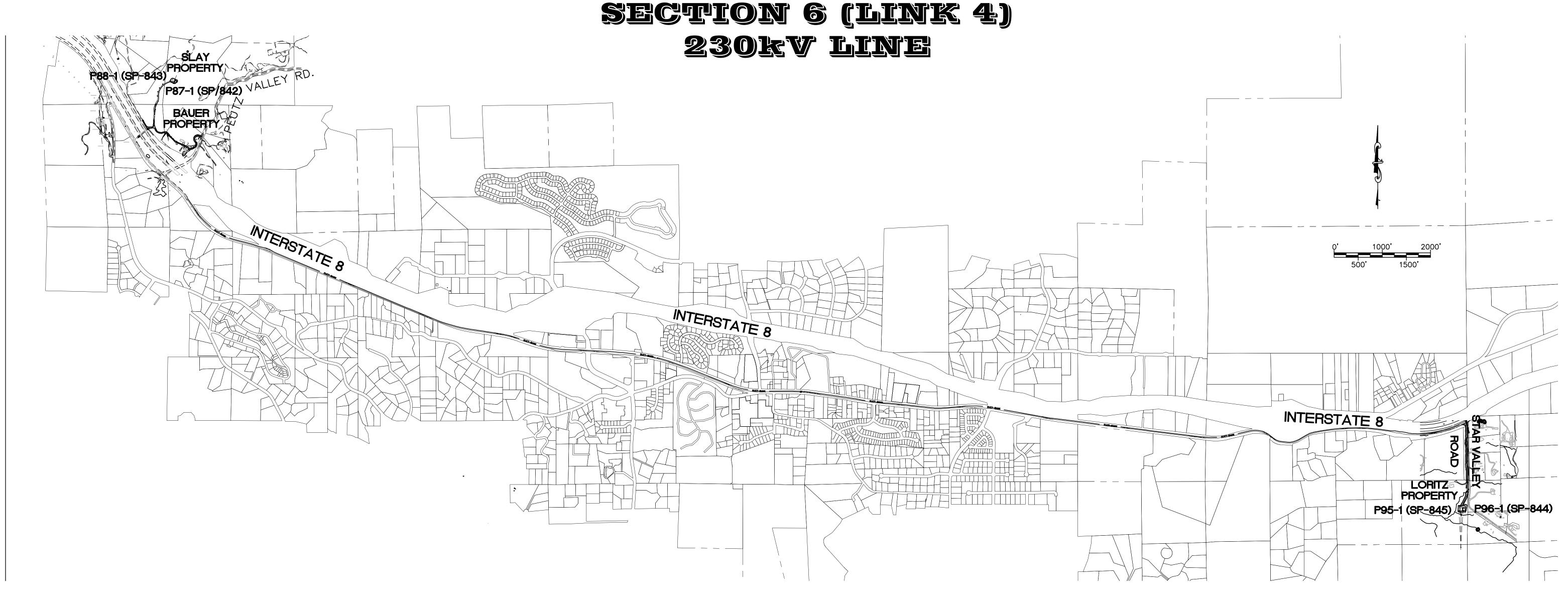
SUNRISE POWERLINK PROJECT



ON-SITE WORK TO BE DONE

SITE / ACCESS ROAD SHEET NUMBER SPL-06-001 TITLE SHEET SPL-06-002 LEGEND AND GENERAL NOTES SPL-06-003 DETAIL SHEET 1 OF 3 SPL-06-004 DETAIL SHEET 2 OF 3 DETAIL SHEET 3 OF 3 SPL-06-005 ACCESS ROAD TO SITES P-87-1 & P-88-1 06-P87-1 & P88-1-R1 06-P87-1 & P88-1-R2 ACCESS ROAD TO SITES P-87-1 & P-88-1 06-P87-1 & P88-1-R3 ACCESS ROAD TO SITES P-87-1 & P-88-1 06-P87-1 & P88-1-R4 ACCESS ROAD TO SITES P-87-1 & P-88-1 06-P87-1 & P88-1-R5 ACCESS ROAD TO SITES P-87-1 & P-88-1 06-P87-1 & P88-1-S1 SITES P87-1 & P88-1 06-P-95-1 & P96-1-R1 ACCESS ROAD TO SITES P-95-1 & P-96-1 ACCESS ROAD TO SITES P-95-1 & P-96-1 06-P-95-1 & P96-1-R2 06-P-95-1 & P96-1-S1 SITES P-95-1 & P-96-1 06-P-95-1 & P96-1-S2 SITES P-95-1 & P-96-1

PULL-SITE WORK TO BE DONE

SITE / ACCESS ROAD **NOTE:** SHEET NUMBER P-87-1=(SP-842)06-P87-1-P88-1-PS PULL SITE P87-1 & P88-1 P-88-1=(SP-843)PULL SITE P95-1 & P96-1 06-P95-1 & P96-1-PS P-95-1=(SP-845)P-96-1=(SP-844)

BAUER OFF-SITE IMPROVEMENTS

SHEET NUMBER

SPL 06-BC01

SPL 06-BC02

SPL 06-BC03

06-P87-P88-B1

06-P87-P88-B2

06-P87-P88-B3

06-P87-P88-B4

06-P87-P88-B5

06-P87-P88-B6

06-P87-P88-B7

06-P87-P88-W2

06-P87-P88-W3

06-P87-P88-W4

SPL 06-BEC01

SPL 06-BEC02

06-P87-1-P88-1-W1

SITE / ACCESS ROAD

BAUER BRIDGE PLAN AND PROFILE

BAUER BRIDGE WEST ABUTMENT DETAILS

BAUER BRIDGE EAST ABUTMENT DETAILS

BAUER BRIDGE BRIDGE SECTION, RAILING

BAUER BRIDGE BRIDGE BEARING DETAILS

BAUER BRIDGE GENERAL NOTES, BRIDGE ELEVATIONS & PLAN

BAUER BRIDGE ANCHOR BOLT LAYOUT

SECTION, AND BRIDGE PLANK DETAILS

LEGEND AND GENERAL NOTES

BAUER WALL PLAN & PROFILE

EROSION CONTROL PLAN - WALL

EROSION CONTROL PLAN - BRIDGE

BAUER MSE WALL DETAILS

BAUER MSE WALL DETAILS

BAUER MSE WALL DETAILS

PLOT PLAN

SITE PLAN

SITE / ACCESS ROAD SHEET NUMBER SPL 06-SC01 PLOT PLAN SITE PLAN SPL 06-SC02 LEGEND AND GENERAL NOTES SPL 06-SC03 SITES P87-1 & P88-1 WALL PLAN SPL 06-SC04 SPL 06-SC05 MSE WALL DETAILS MSE WALL DETAILS SPL 06-SC06 SPL 06-SC07 MSE WALL DETAILS

EROSION CONTROL PLAN

SLAY OFF-SITE IMPROVEMENTS

SPL 06-SEC08

SITE / ACCESS ROAD PLOT PLAN SITE PLAN LEGEND AND GENERAL NOTES GRAVITY WALL PLAN & PROFILE GRAVITY WALL DETAILS EROSION CONTROL PLAN

SHEET NUMBER SPL 06-LC01 SPL 06-LC02 SPL 06-LC03 SPL 06-LC04 SPL 06-LC05 SPL 06-LEC06

06-DWY-03

06-DWY-04

06-DWY-05

SITE / ACCESS ROAD SHEET NUMBER PLOT PLAN SITE PLAN LEGEND AND GENERAL NOTES MSE WALL PLAN & PROFILE MSE WALL DETAILS MSE WALL DETAILS MSE WALL DETAILS EROSION CONTROL PLAN

PRIVATE ROADWAY / DRIVEWAY PLANS

LORITZ OFF-SITE - NORTH WALL IMPROVEMENTS

SITE / ACCESS ROAD SHEET NUMBER 06-DWY-01 06-DWY-02

TITLE SHEET NOTES & DETAIL TRAFFIC CONTROL PLANS PERMIT 06-1 PERMIT 06-2

DECLARATION OF RESPONSIBLE CHARGE

LORITZ OFF-SITE - SOUTH WALL IMPROVEMENTS

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH THE CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY SDG&E IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

SAN DIEGO, CALIFORNIA

PLOT SCALE: 1 = 1

SPL-06 (LINK 4)

TITLE SHEET

SCALE: NA W.O.

STEPHEN K. SMITH R.C.E. NO. 29708 EXP. 03-31-11

CHECKED BY:

CAD NO.:

APPROVED BY:

DATE:

DATE:

DATE:

REV. O

SPL-06-001

SPL 06-LC100

SPL 06-LC101

SPL 06-LC102

SPL 06-LC103

SPL 06-LC104

SPL 06-LC105

SPL 06-LC106

SPL 06-LEC107



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SAN DIEGO GAS & ELECTRIC COMPANY REVISIONS DATE BY: APP'D: NO. DATE BY: APP'D: NO. DATE BY: APP'D: WORK DONE WORK DONE DRAWN BY:

- ALL WORK SHALL COMPLY WITH ALL APPLICABLE PORTIONS OF THE PROJECT SPECIFICATIONS:
- NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN. CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT ALL FILL IN STRICT ACCORDANCE WITH PROJECT'S SPECIFICATIONS. A GEOTECHNICAL ENGINEER WILL BE THE OWNER'S REPRESENTATIVE TO INSPECT THE CONSTRUCTION OF FILLS. THE EXCAVATION AND THE PLACEMENT OF FILL WILL BE UNDER THE DIRECT INSPECTION OF THE GEOTECHNICAL ENGINEER, AND HE WILL GIVE WRITTEN NOTICE OF CONFORMANCE WITH THE SPECIFICATIONS UPON COMPLETION OF GRADING. DEVIATIONS FROM PROJECT'S SPECIFICATIONS WILL BE PERMITTED ONLY UPON WRITTEN AUTHORIZATION FROM THE GEOTECHNICAL ENGINEER OR THE SDG&E REPRESENTATIVE.
- 4. OBSERVATIONS AND COMPACTION TESTS WILL BE MADE BY THE GEOTECHNICAL ENGINEER DURING THE FILLING AND COMPACTING OPERATIONS SO THAT HE CAN STATE HIS OPINION THAT THE FILL WAS CONSTRUCTED IN ACCORDANCE WITH PROJECT'S SPECIFICATIONS.
- DURING CONSTRUCTION: THE CONTRACTOR SHALL GRADE ALL EXCAVATED AND FILLED SURFACES TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING OF WATER. HE SHALL CONTROL SURFACE WATER TO AVOID DAMAGE TO ADJOINING PROPERTIES OR TO FINISH WORK ON THE SITE. THE CONTRACTOR SHALL TAKE REMEDIAL MEASURES TO PREVENT EROSION OF FRESHLY GRADED AREAS, AND UNTIL SUCH TIME AS PERMANENT DRAINAGE AND EROSION CONTROL MEASURES HAVE BEEN INSTALLED. AFTER GRADING IS COMPLETED AND THE GEOTECHNICAL ENGINEER HAS FINISHED HIS OBSERVATIONS OF THE WORK, NO FURTHER EXCAVATION OR FILLING SHALL BE DONE, EXCEPT UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER
- 6. CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING THE GRADING OPERATIONS.
- 7. BRUSH AND TREES SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED. WHEN TREES ARE REMOVED, THE ROOT SYSTEMS SHALL ALSO BE REMOVED AND THE RESULTING EXCAVATION FILLED WITH PROPERLY COMPACTED FILL SOILS.
- 8. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH AND UNIFORM SURFACE OR CROSS-SECTION. THE SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS DIRECTED BY THE SDG&E REPRESENTATIVE AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPE SHALL BE REMOVED AND DISPOSED OF.
- GRADING SHALL BE DONE WITHIN A TOLERANCE OF ±0.1' OF THE GRADES AND ELEVATIONS SHOWN ON THESE PLANS AND ALL SLOPES SHALL BE CONSTRUCTED WITHIN ±0.5' OF THE LOCATION SHOWN ON THESE PLANS. IN NO WAY SHALL THE ABOVE TOLERANCES RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PROVIDING A FINISH THAT WILL NOT POND WATER.
- 10. ANY QUANTITIES INDICATED ON THESE PLANS ARE ENGINEERS' ESTIMATES ONLY AND ARE NOT TO BE USED BY CONTRACTOR FOR BIDDING PURPOSES.
- 11. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND BRING DISCREPANCIES TO THE ATTENTION OF THE SDG&E REPRESENTATIVE PRIOR TO STARTING CONSTRUCTION.
- 12. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT TITLED "GEOTECHNICAL EVALUATION - ACCESS ROADS AND STRUCTURAL PADS SUNRISE POWERLINK BY URS, DATED, OCTOBER 16, 2009. URS PROJECT No.27669019.0002
- THERE ARE ENVIRONMENTALLY SENSITIVE AREAS THROUGHOUT THE PROJECT THAT ARE NOT SHOWN ON THESE PLANS. YOU ARE RESPONSIBLE FOR KNOWING WHERE THESE AREAS ARE. REFER TO YOUR ENVIROMENTAL MAPBOOK AND ONE TOUCH FOR UP TO DATE INFORMATION.

EROSION CONTROL NOTES

- 1. ALL POLE & TOWER MAINTENANCE PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PADS WITHOUT CAUSING EROSION. OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
- 2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
- 3. ALL GRADED CUT OR FILL SLOPES SHALL BE HYDROSEEDED TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- 4. FIBER ROLLS SHALL BE PLACED AT TOP, TOE AND FACE (15 FOOT INTERVALS) OF GRADED ALL CUT AND FILL SLOPES TO INTERCEPT RUNOFF AND REDUCE EROSION IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

COUNTY OF SAN DIEGO CONSTRUCTION NOTES

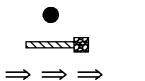
- ALL ASPHALT CONCRETE SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS. 2006 SECTION 39 AND SHALL HAVE A BASE COURSE OF TYPE A 3/4" MAXIMUM COURSE AND A 2" FINAL LIFT (OR 2" OVERLAY) USING TYPE B, 1/2" MAXIMUM, MEDIUM GRADATION
- 2. AGGREGATE BASE SHALL CONFORM TO CALTRANS SECTION 26 CLASS II AGGREGATE
- 3. ALL OTHER WORK IN COUNTY OF SAN DIEGO PUBLIC RIGHT OF WAY SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS OR STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION WITH REGIONAL SUPPLEMENT AMENDMENTS (LATEST ADOPTED EDITION)
- WORK WITHIN COUNTY RIGHT OF WAY IS SUBJECT TO COUNTY CONSTRUCTION/ ENCROACHMENT PROCESS AND MAY REQUIRE CONSTRUCTION TRAFFIC CONTROL TO MITIGATE SIGHT DISTANCE AND CONSTRUCTION WITHIN THE COUNTY RIGHT OF WAY

ABBREVIATIONS

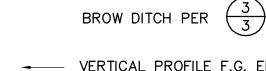
- EXISTING GRADE (EG) FINISHED GRADE
- TOP OF WALL
- BOTTOM OF WALL AT FINISHED GROUND
- FLOW LINE
- UP STREAM U/S
- DOWN STREAM CORRUGATED METAL PIPE
- RELATIVE COMPACTION

<u>LEGEND</u>

INDICATES NEW TOWER



INDICATES EXISTING STEEL POLE WATER BAR PER SDGE STD DR-1



VERTICAL PROFILE F.G. ELEV. ABOVE VERTICAL PROFILE E.G. ELEV. BELOW

NEW TRANSMISSION LINE _____

(F.G.) FINISH GRADE CONTOURS

(E.G.) EXISTING GRADE CONTOURS EXISTING GROUND ELEVATION

(206.2)

FILL SLOPE 2:1 UNLESS SHOWN OTHERWISE CUT SLOPE 2:1 UNLESS SHOWN OTHERWISE

RIDGE LINE

CUT **----**

DIRECTION OF FLOW

DAYLIGHT LINE

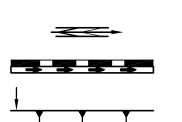
FILL ==

CUT/FILL LINE

CONCRETE DOWN DRAIN, SEE DETAIL RIPRAP ENERGY DISSIPATOR, SEE DETAIL $\left(\frac{2}{3}\right)$

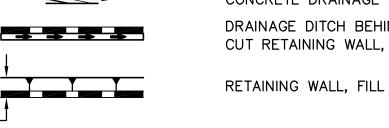
CORRUGATED METAL PIPE WITH FLARED $\begin{pmatrix} 6 \\ 4 \end{pmatrix}$

END SECTIONS, SEE PLANS FOR, PIPE SIZES, AND ENERGY DISSIPATOR. DROP OUTLET PER SDRSD D-16 TYPE B. INLET



 \bigcirc

PIPE 24" AND OUTLET PIPE 12" DIAMETER CONCRETE DRAINAGE DITCH, SEE DETAIL (3)



DRAINAGE DITCH BEHIND MASONRY 4&5 CUT RETAINING WALL, SEE DETAIL 4



 $\begin{pmatrix} X \\ XX \end{pmatrix}$

DRAWN BY: JJP

DATE:

DATE:

CHECKED BY:

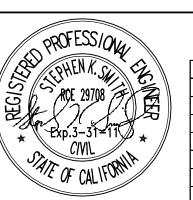
CAD NO.:

APPROVED BY:

DATE BY: APP'D:

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DATE BY: APP'D: NO.

REVISIONS WORK DONE

DATE BY: APP'D: NO.

WORK DONE

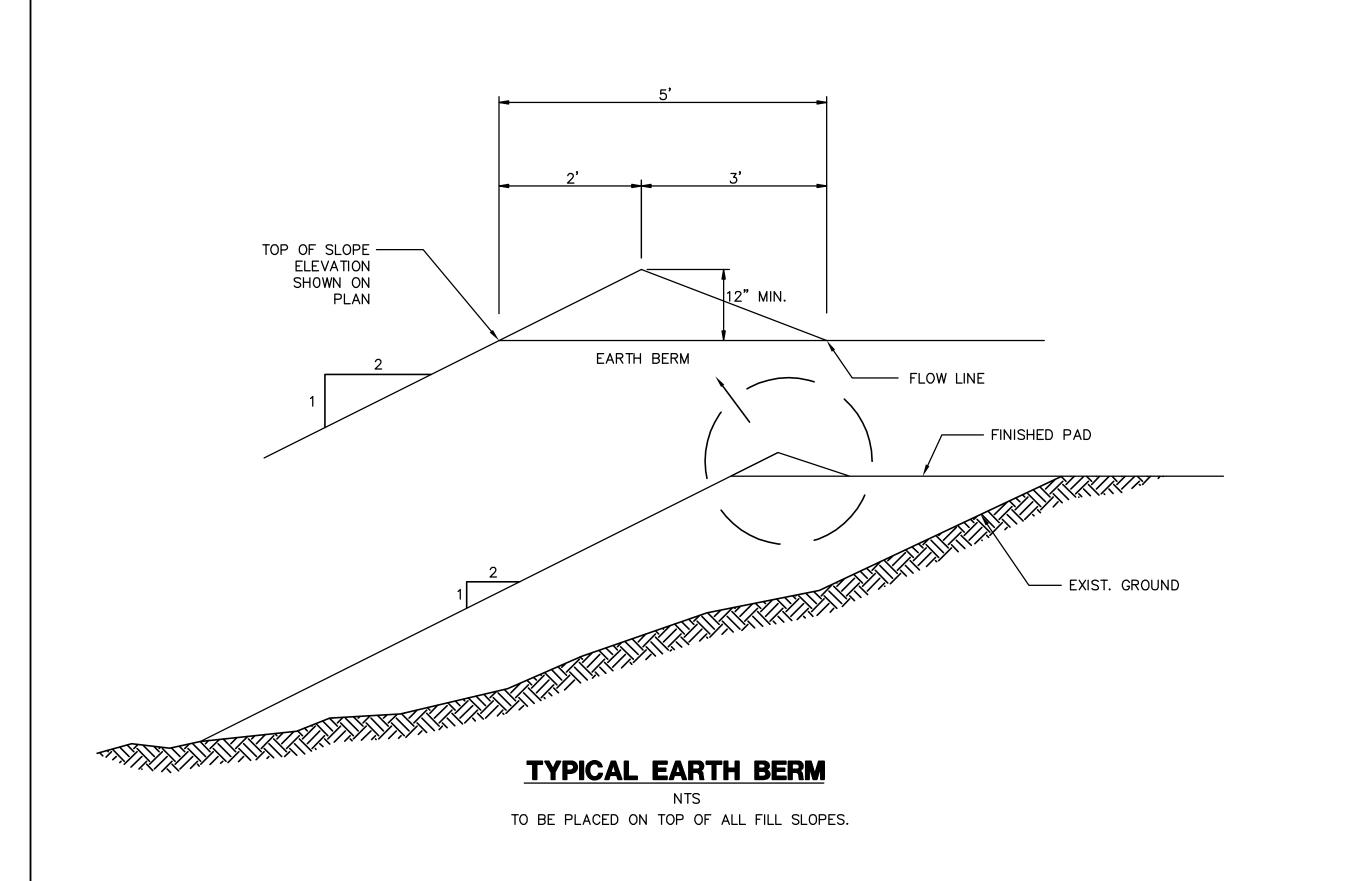
SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA SPL-06 (LINK 4)

PLOT SCALE: 1=1

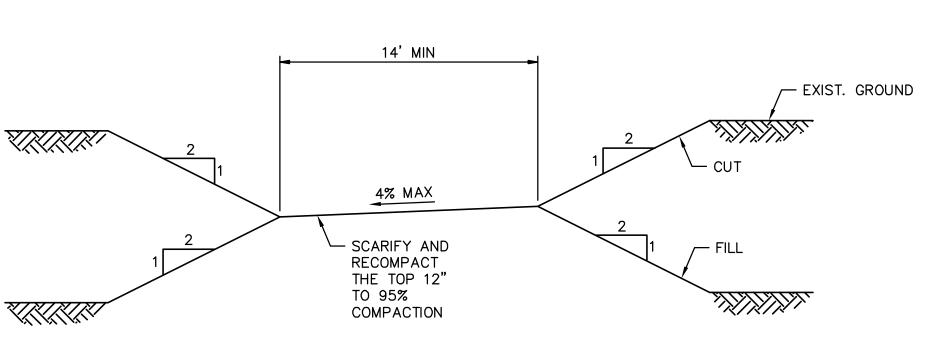
LEGEND & GENERAL NOTES

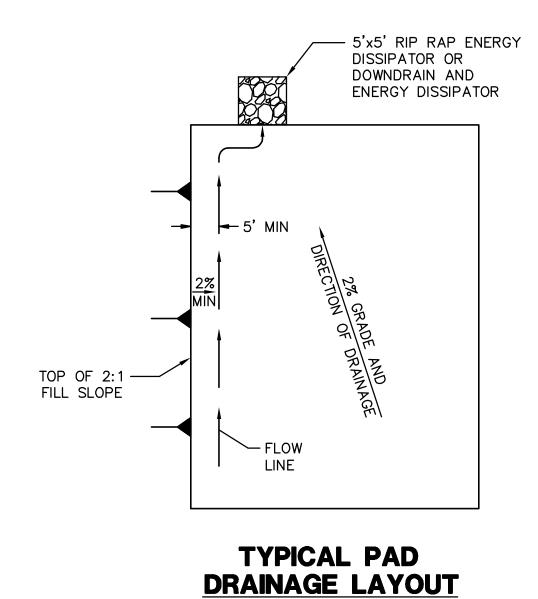
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REV. O SPL-06-002



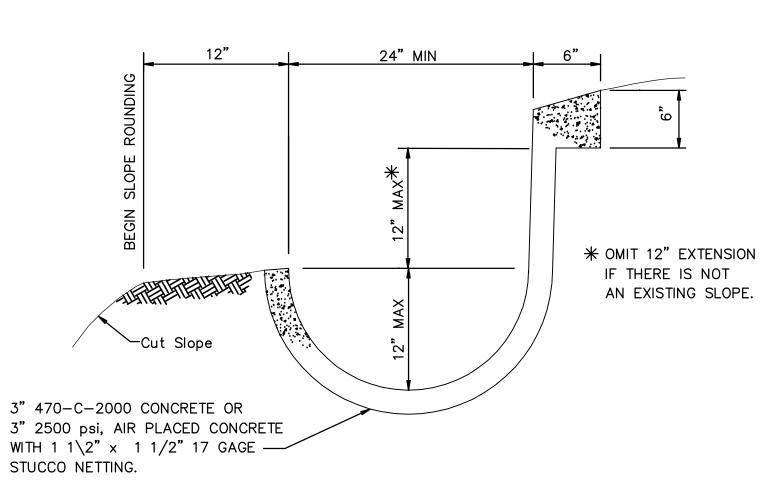
DOWN DRAIN (1)





TYPICAL ACCESS ROAD SECTION

NOTE: THE LENGTH AND LOCATION OF SPLASH WALL IS SHOWN ON SITE GRADING PLAN. — 2-8"x8"x16" MASONRY CONCRETE BLOCKS 16" HIGH -6" × 6" - W 1.4 × W 1.4 W.W.M. — #4 BARS @ 16" O.C. 3" 470-C-2000 CONCRETE - EXTEND TO 8" WIDE SPLASH WALL OPTIONAL— SEE SDRSD D-40, TYPE 2 FOR NOTES. DOWN DRAIN — ANCHOR _ EXIST. GROUND - DOWN DRAIN ANCHOR CONSTRUCTED EVERY 10' IN VERTICAL HEIGHT AND - NON-WOVEN FILTER FABRIC AT TOP & TOE OF DOWN SECTION A-A SECTION A-A



BROW AND/OR DRAINAGE DITCH 3

SAN DIEGO GAS & ELECTRIC COMPANY

PLOT SCALE: 1 = 1

SCALE: NTS W.O.

REV. O

SPL-06-003

LONGITUDINAL SLOPE OF LINED DITCH SHALL BE 2% MINIMUM.

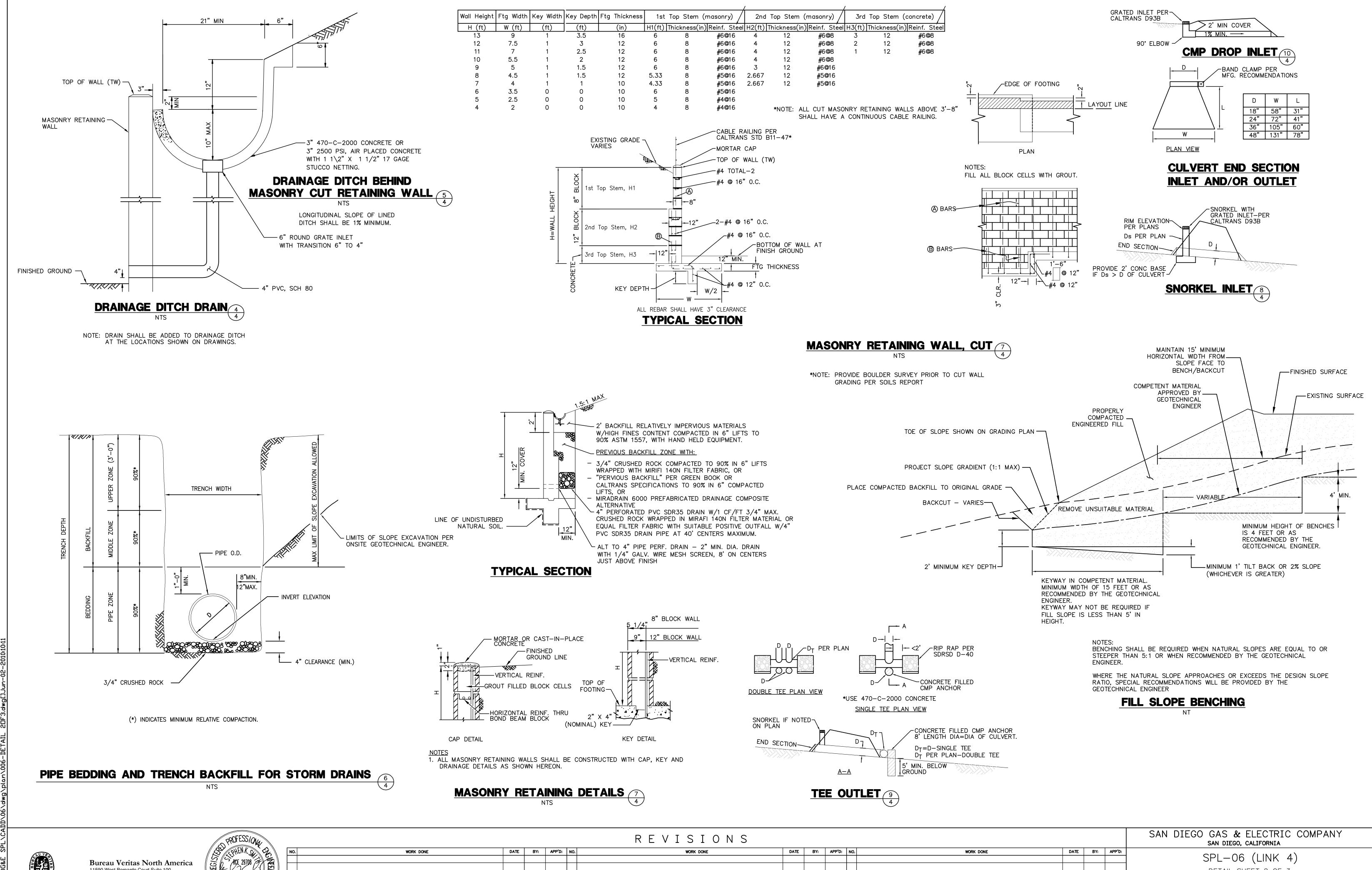
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GENERAL DETAILS

RIPRAP ENERGY DISSIPATOR 2



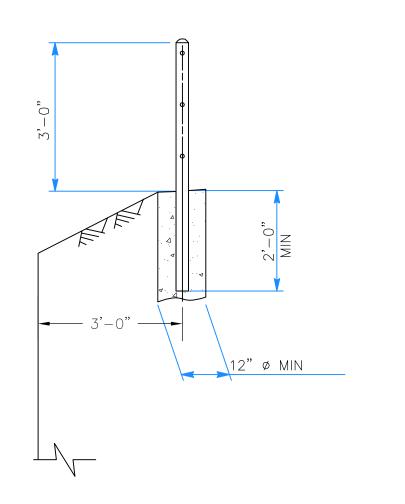
REVISIONS SAN DIEGO, CALIFORNIA DATE BY: APP'D: NO. DATE BY: APP'D: NO. DATE BY: APP'D: WORK DONE WORK DONE SPL-06 (LINK 4) Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 DETAIL SHEET 1 OF 3 DRAWN BY: 00 www.us.bureauveritas.com CHECKED BY: DATE: DATE:

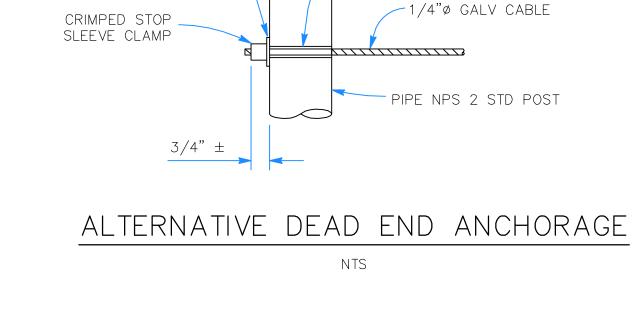


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NEW WALL (WITHOUT GUTTER)





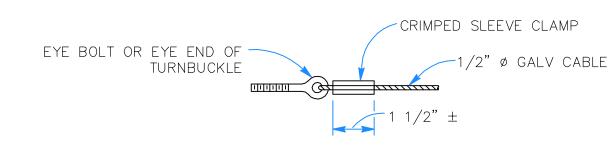
___ 3/8"ø HOLE

WASHER

SECTION A-A NEW CONSTRUCTION

NOTES:

- 1. MAXIMUM DISTANCE BETWEEN TURNBUCKLES SHALL BE 200'-0".
- 2. INTERMEDIATE TURNBUCKLES TO BE PLACED IN ADJACENT SPANS.
- 3. CABLE SHALL NOT BE SPLICED BETWEEN INTERMEDIATE TURNBUCKLES AND END POSTS.
- 4. ALL POSTS, CABLE, AND HARDWARE TO BE GALVANIZED.
- 5. POSTS TO BE VERTICAL.
- 6. ALIGNMENT OF HOLES IN POSTS MAY VARY TO CONFORM TO SLOPE OF TOP OF RETAINING WALL.
- 7. THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.
- 8. ALTERNATIVE DETAILS MAY BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
- 9. LINE POSTS SHALL BE BRACED HORIZONTALLY AND TRUSSED DIAGONALLY IN BOTH DIRECTIONS AT INTERVALS NOT TO EXCEED 1000'.
- 10. POST POCKETS TO BE CENTERED IN TOP OF WALL.
- 11. TYPICAL END SPANS, BRACED IN BOTH DIRECTIONS, SHALL BE CONSTRUCTED AT CHANGES IN LINE WHERE THE ANGLE OF DEFLECTION IS 15° OR MORE.
- 12. PROVIDE THIMBLES AT ALL CABLE LOOPS.



ALTERNATIVE CABLE CONNECTION

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

CABLE RAILING

NO SCALE

B11-47 (MOD)

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REVISIONS DATE BY: APP'D: DATE BY: APP'D: NO. WORK DONE

SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA

PLOT SCALE: 1 = 1

CHECKED BY:

CAD NO.:

DATE:

SPL-06 (LINK 4)

DETAIL SHEET 3 OF 3

SPL-06-005

REV.

EARTH QUANTITIES: CUT: 353 CY. FILL: 775 CY. NET: 422 CY.

<u>DISTURBED AREA:</u> ROAD: 9,152 SF

AC PAVEMENT: 4075 SF 6" A.C. BERM: 305 LF PCC PAVING: 2401 SF

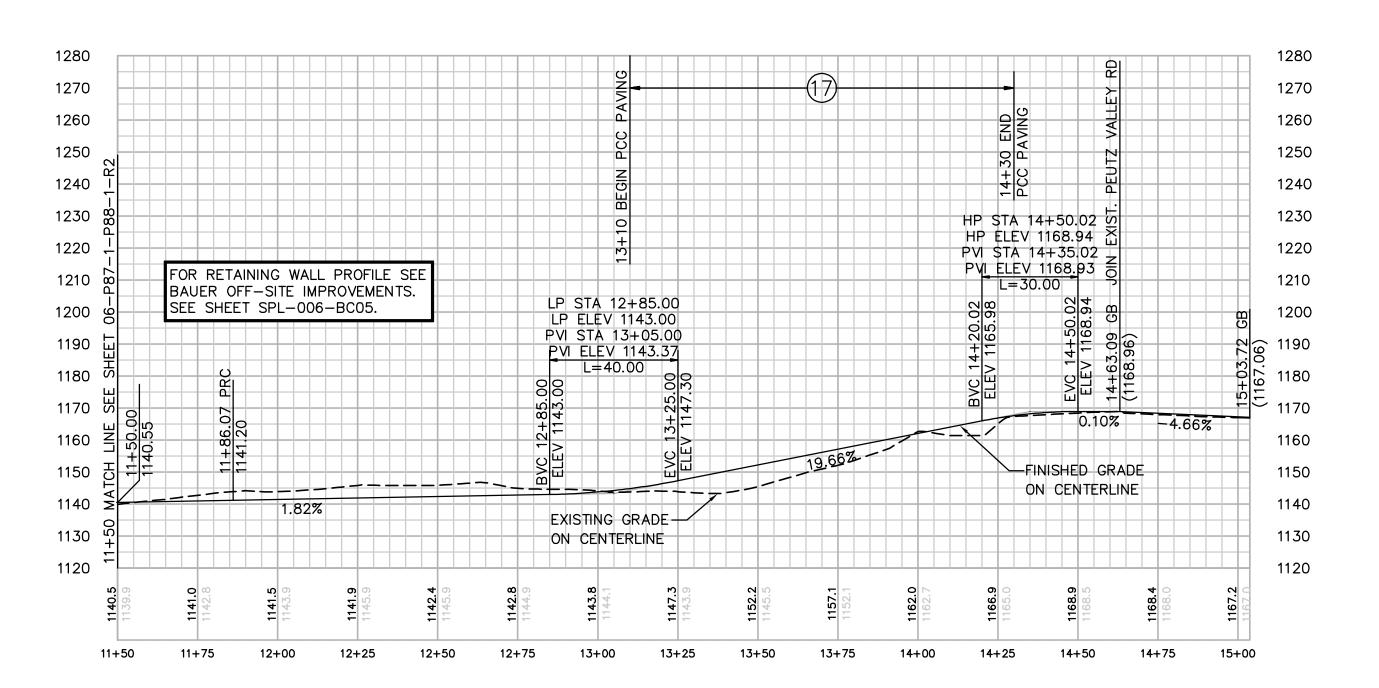
TYPE 1 AC SLURRY SEAL: 4075 SF

REMOVAL AC PAVEMENT: 1198 SF BOULDER PLACED EDGE: 135 LF CABLE RAILING: 163 LF DOUBLE MAIL BOX: 1 EA LENGTH OF ACCESS ROAD: 361 LF RELOCATE/REPLANT TREE: 1 EA



NOTE: FLAGGER OPERATION REQUIRED (DUE TO SIGHT DISTANCE ISSUES)

DURING CONSTRUCTION AND HEAVY EQUIPMENT MOBILIZATION AND DEMOBILIZATION



CENTERLINE DATA NUMBER | RADIUS | LENGTH | BEARING/DELTA ANGLE 75.00 | 317.66 242**°**40**'**17"

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
20	1889453.79	6391393.66	(1169.83)	EG
21	1889385.22	6391369.94	(1167.55)	EG
22	1889449.27	6391368.55	1167.18	FG
23	1889392.45	6391305.34		RP
24	1889459.30	6391379.71		RP
25	1889339.32	6391252.40	1141.20	PRC/CL
26	1889346.41	6391259.46	1141.00	PRC
27	1889332.17	6391245.41	1141.40	PRC

CONSTRUCTION NOTES

- CONSTRUCT 4" AC ON 6" CLASS 2 AGGREGATE BASE (CAB) OVER 6" 95% COMPACTED NATIVE SUBGRADE
- CONSTRUCT 2" AC OVERLAY ON EXISTING AC
- CONSTRUCT 6" AC BERM PER SDRSD G-5, TYPE A
- RELOCATE/REPLANT YOUNG TREE
- REMOVE PORTIONS OF EXISTING TREE
- CONSTRUCT BOULDER PLACED NATURAL ROAD EDGE AFTER CONSTRUCT PLACE 3'-4' DIA. BOULDER W/ 2'-4'ROCK ABOVE ROAD SURFACE AT OUTSIDE EDGE OF PAVEMENT PRIOR TO FINAL PAVING. SEE DETAIL & SECTION HERE ON (A)
- REMOVE PORTION OF EXISTING PAVEMENT
- SLURRY NEW & OLD AC PAVING AFTER CONSTRUCTION TRAFFIC COMPLETION WITH TYPE I AC SLURRY SEAL
- CONSTRUCT DOUBLE MAILBOX , 1/8" THICK ALUMINUM POWDER COAT WITH LOCKING MAIL SLOT, NEWSPAPER HOLDER AND ADDRESS NUMERALS.
- CONSTRUCT 6" PCC PAVING ON 95% COMPACTED 4" CLASS 2 AGGREGATE BASE (CAB) OVER 6" 95% COMPACTED NATIVE SUBGRADE. PROVIDE HEAVY CROSS GROOVED FINISH TO CONCRETE SURFACE FOR MAXIMUM TRACTION.
- CONSTRUCT 36" HIGH CABLE RAILING PER CALTRANS B11-47 (MOD) W/ 12" DIA. BY 2' DEEP CONC. POSTS SEE DETAIL SHEET SPL-006-005.



GRIND & FEATHER OVERLAY



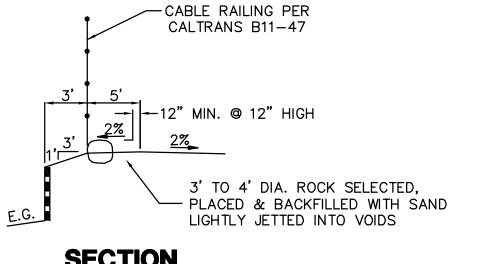
AC OVERLAY



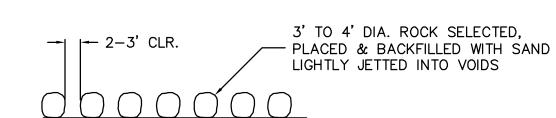
NEW AC ON CAB



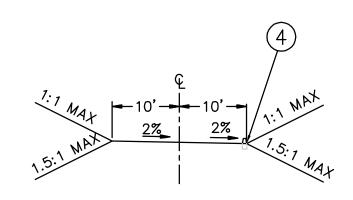
PCC PAVING



SECTION



PLAN



TYPICAL ACCESS ROAD CROSS SECTION

STA 11+50.00 TO 14+63.09

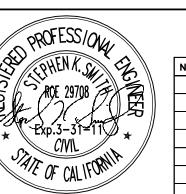


BOULDER PLACED NATURAL ROAD EDGE

PROFILE: ACCESS ROAD TO SITE P-87-1 & P-88-1 HORIZ. & VERT. SCALE: 1" = 30"



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NO.	WORK DONE	DATE	BY:	APP'D:	NO.	

REVISIONS DATE BY: APP'D: NO. DATE BY: APP'D: WORK DONE

SAN DIEGO, CALIFORNIA SPL-06 (LINK 4)

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CHECKED BY:

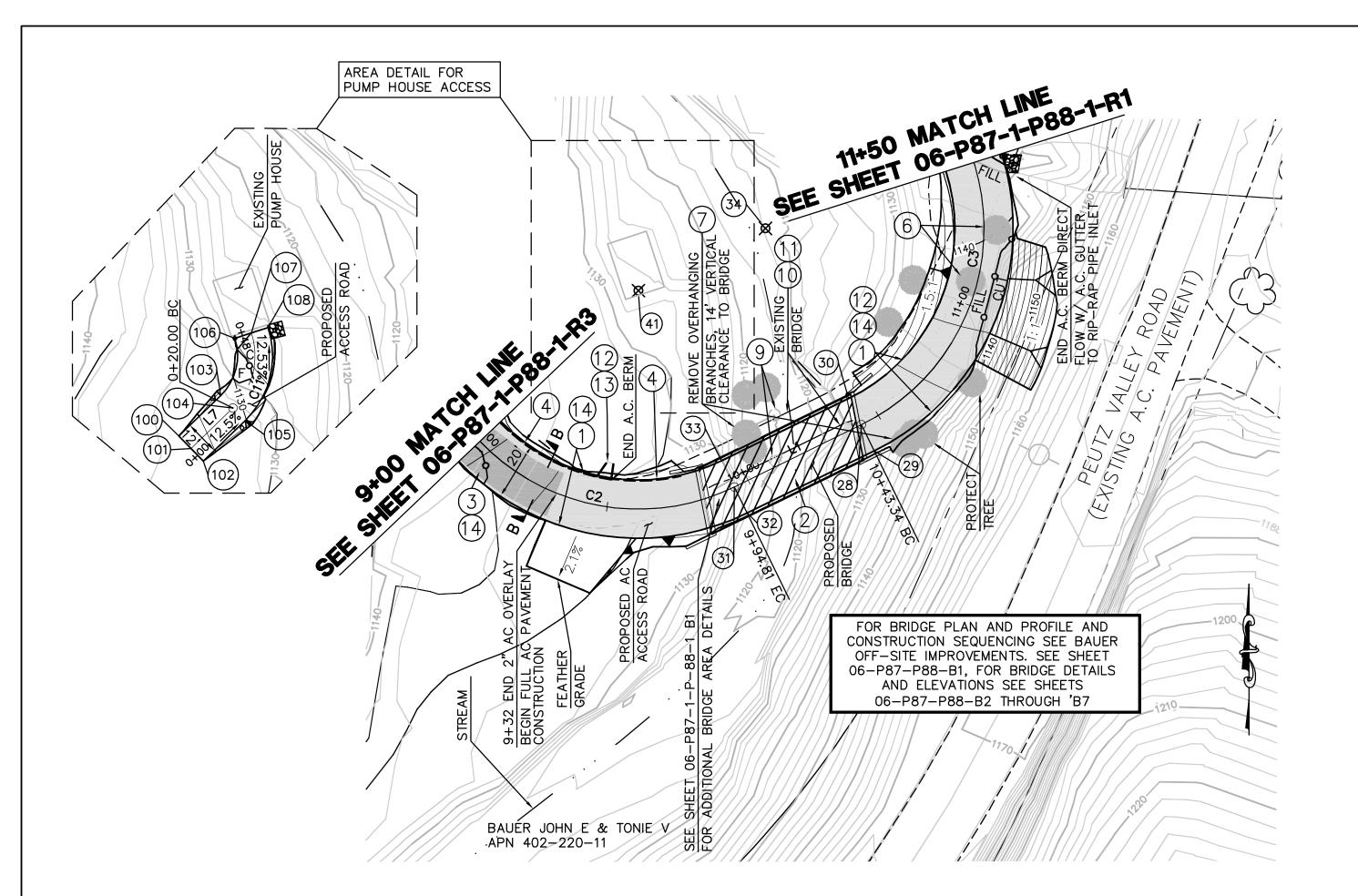
CAD NO.:

SAN DIEGO GAS & ELECTRIC COMPANY

ACCESS ROAD TO SITES P-87-1 & P-88-1 DATE: DATE:

PLOT SCALE: 1 = 1

06-P87-1-P88-1-R1



CENTERLINE DATA							
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE				
L7		20.00	N45 ' 53'26"E				
C11	25.00	27.93	64 ° 01'11"				

	CENTERLINE DATA								
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE						
С3	75.00	142.72	109°02'00"						
L1		48.54	N63 * 56'05"E						
C2	75.00	100.02	76°24'38"						

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
28	1889218.83	6391232.41	1135.01	BC/CL
29	1889209.85	6391236.80	1134.81	BC
30	1889227.81	6391228.02	1135.21	ВС
31	1889197.50	6391188.81	1135.00	EC/CL
32	1889188.52	6391193.20	1134.86	EC
33	1889206.48	6391184.42	1134.86	EC
34	1889286.20	6391199.46		RP

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	1889227.72	6391133.58	(1133.38)	EG
101	1889223.41	6391137.76	(1133.01)	CL
102	1889219.10	6391141.94	(1132.72)	EG
103	1889241.64	6391147.94	1130.87	ВС
104	1889237.33	6391152.12	1130.51	CL/BC
105	1889233.02	6391156.30	1130.07	ВС
106	1889261.19	6391152.78	(1127.55)	EC
107	1889263.06	6391158.48	(1127.01)	CL/EC
108	1889264.93	6391164.18	(1126.91)	EC

CONSTRUCTION NOTES

- CONSTRUCT 4" AC ON 6" CLASS 2 AGGREGATE BASE (CAB) OVER 6" 95% COMPACTED NATIVE SUBGRADE
- CONSTRUCT AC ON BRIDGE DECK PER SHEETS B5 & B6
- CONSTRUCT 2" AC OVERLAY ON EXISTING AC
- CONSTRUCT 6" AC BERM PER SDRSD G-5, TYPE A
- RELOCATE/REPLANT YOUNG TREE
- REMOVE PORTIONS OF EXISTING TREE
- REMOVE EXISTING BRIDGE COLUMNS ABOVE FOUNDATION
- REMOVE INTERFERING PORTIONS OF BRIDGE ABUTMENT AND SUPERSTRUCTURE ONLY
- PROTECT EXISTING BRIDGE ABUTMENTS BELOW PROPOSED
- SUPERSTRUCTURE REMOVE PORTION OF EXISTING PAVEMENT
- PROTECT EXISTING DRAIN INLET
- SLURRY NEW & OLD AC PAVING AFTER CONSTRUCTION

TRAFFIC COMPLETION WITH TYPE I AC SLURRY SEAL

SAN DIEGO GAS & ELECTRIC COMPANY

REV. 0

06-P87-1-P88-1-R2



GRIND & FEATHER OVERLAY



AC OVERLAY



AC BRIDGE PAVEMENT

NEW AC ON CAB

PLAN: ACCESS ROAD TO SITE P-87-1 & P-88-1 SCALE: 1" = 30'

EARTH QUANTITIES: CUT: 172 CY. FILL: 945 CY. NET: 773 CY.

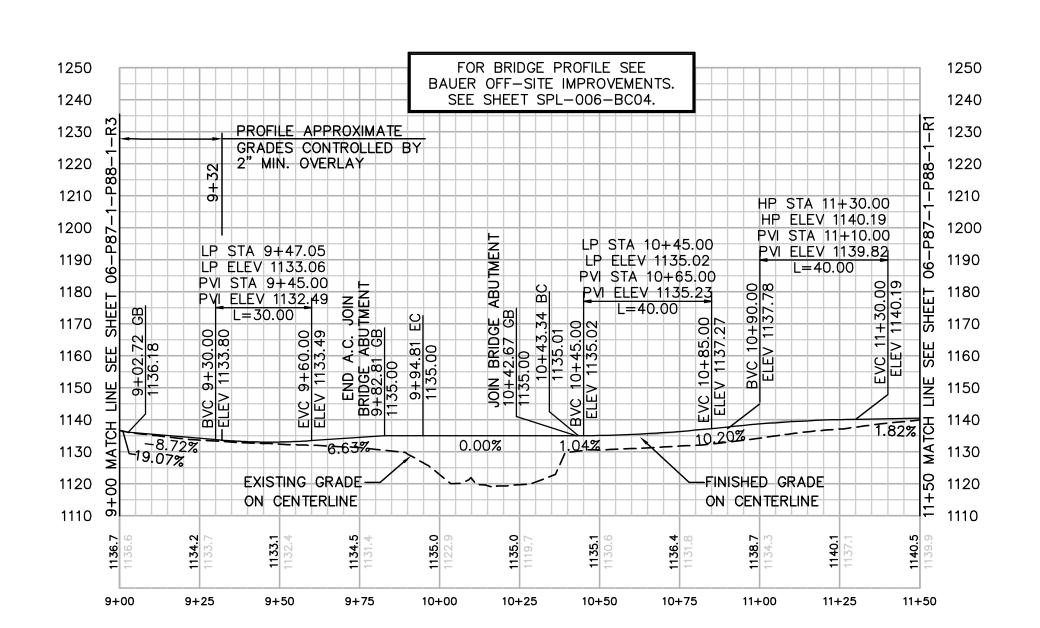
DISTURBED AREA: ROAD: 7,614 SF

QUANTITIES: AC PAVEMENT: 3311 SF BRIDGE AC PAVEMENT: 1144 SF 6" A.C. BERM: 44 LF BRIDGE: LUMP SUM

2" A.C. OVERLAY: 528 SF

LENGTH OF ACCESS ROAD: 240 LF

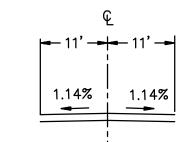
RELOCATE/PLANT TREE: 2 EA TRIM TREE: 3 EA TYPE 1 AC SLURRY SEAL: 3839 SF RIP RAP: 25 SF

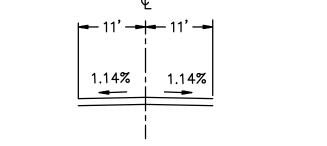


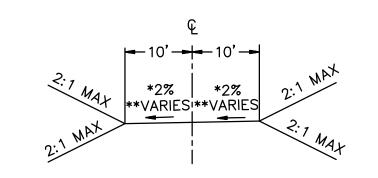
16'-20' VARIABLE WIDTH PROPOSED ROAD 2" AC OVERLAY VAR. ON EXISTING ROAD EXISTING 2.5" AC ON NATIVE EDGE — 4" AC ON 6" CAB ON EXISTING COMPACTED NATIVE ALL TO 95%

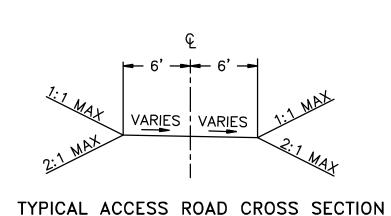
SECTION B-B

STA 11+50.00 TO PEUTZ VALLEY ROAD









PUMP HOUSE ACCESS

STA 0+00.00 TO 1+48.00

TYPICAL BAUER BRIDGE CROSS SECTION

10' - | 10' - |

(SEE BAUER BRIDGE PLANS FOR DETAILS) STA 9+82.81 TO 10+42.67

TYPICAL ACCESS ROAD CROSS SECTION *STA 9+32.00 TO 9+70.00 **STA 9+70.00 TO 9+82.81

*VARIES | *VARIES | **2% |

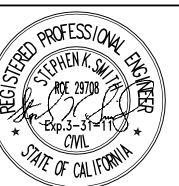
PROFILE: ACCESS ROAD TO SITE P-87-1 & P-88-1 HORIZ. & VERT. SCALE: 1" = 30'

TYPICAL ACCESS ROAD CROSS SECTION

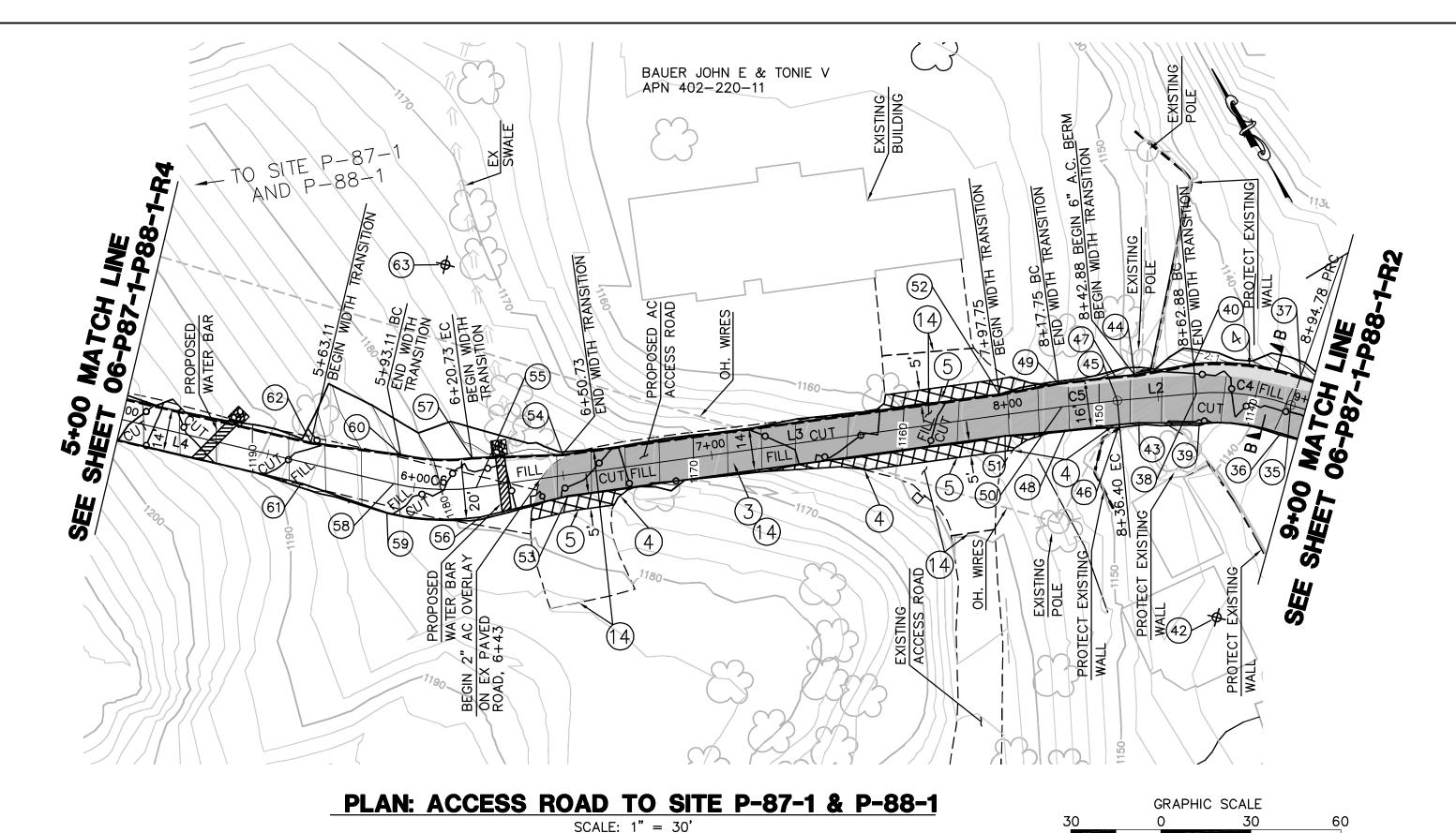
*STA 10+42.67 TO 10+80.00 **STA 10+80.00 TO 11+50.00

B U R E A U V E R I T A S

Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com



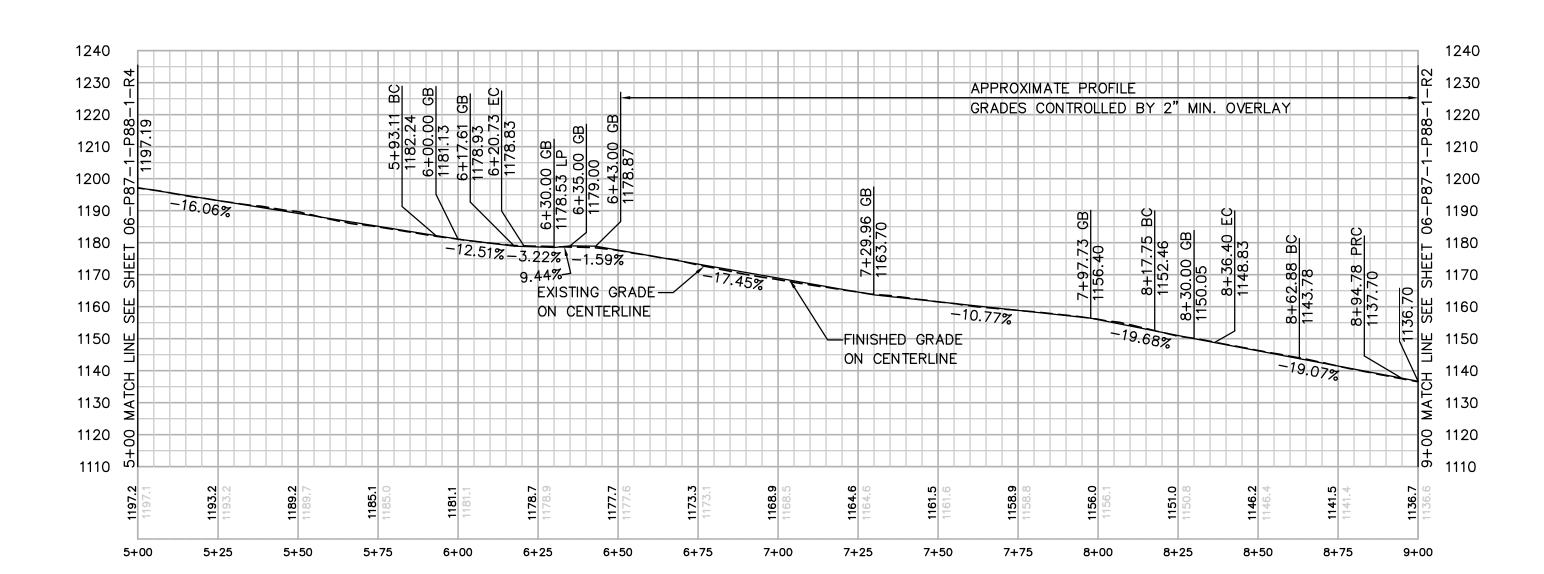
				REVISIONS						SAN DIE	SAN DIEGO, CALIFOR	
2	NO.	WORK DONE	DATE BY: APP'D: NO.	WORK DONE	DATE	BY: APP'I	D: NO.	WORK DONE	DATE BY: APP'D:			NII
										_	SPL-06 (LII	NK 4)
爱』										ACCES	SS ROAD TO SITES P	-87-1 & P-88-1
										1		97 1 & 1 CC 1
* //										DRAWN BY: 00 DAT	SCALE: 1" = 30	W.O. REV. O
. //										CHECKED BY: DAT	TE:	
										APPROVED BY: DAT	TE:	☐ 06-P87-1-P88-
										CAD NO.:	PLOT SCALE: 1 = 1	



EARTH QUANTITIES: CUT: 25 CY. FILL: 48 CY. NET: 23 CY.

DISTURBED AREA: ROAD: 7,051 SF

QUANTITIES: AC PAVEMENT: 264 SF RIPRAP: 50 SF 6" AC BERM: 61 LF GRIND AND OVERLAY: 750 SF LENGTH OF ACCESS ROAD: 400 LF TYPE I SLURRY SEAL: 6646 SF 2" A.C. OVERLAY: 3700 SF



CENTERLINE DATA NUMBER | RADIUS | LENGTH | BEARING/DELTA ANGLE 75.00 31.90 24°22'15" L2 26.48 S64°01'32"E C5 | 405.00 | 18.64 2**'**38'16" 197.02 S66°42'39"E 75.00 27.63 C6 21°06'16" 145.43 L4 S45**°**36'22"E

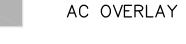
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
35	1889217.01	6391098.11	1137.70	PRC/CL
36	1889210.63	6391090.41	1137.50	PRC
37	1889223.39	6391105.81	1137.90	PRC
38	1889236.57	6391073.22	1143.78	BC/CL
39	1889227.58	6391068.84	1143.58	ВС
40	1889245.56	6391077.60	1143.98	ВС
41	1889264.87	6391155.86		RP
42	1889169.15	6391040.37		RP
43	1889238.14	6391051.73	1147.43	FG
44	1889252.52	6391058.74	1147.75	FG
45	1889248.17	6391049.41	1148.83	EC/CL
46	1889240.98	6391045.91	1148.67	EC
47	1889255.37	6391052.91	1148.99	EC
48	1889248.59	6391029.30	1152.30	ВС
49	1889263.28	6391035.62	1152.62	ВС
50	1889255.94	6391032.46	1152.46	BC/CL
51	1889257.41	6391011.32	1156.26	FG
52	1889270.27	6391016.86	1156.54	FG
53	1889315.54	6390876.28	1177.38	FG
54	1889328.45	6390881.86	1177.66	FG
55	1889333.83	6390851.49	1178.83	EC/CL
56	1889324.65	6390847.54	1179.23	EC
57	1889343.02	6390855.44	1178.43	EC
58	1889349.13	6390828.67	1182.24	BC/CL
59	1889341.99	6390821.68	1182.64	BC
60	1889356.28	6390835.67	1181.84	BC
61	1889365.12	6390802.34	1187.33	FG
62	1889375.12	6390812.13	1186.77	FG
63	1889402.72	6390881.14		RP

CONSTRUCTION NOTES

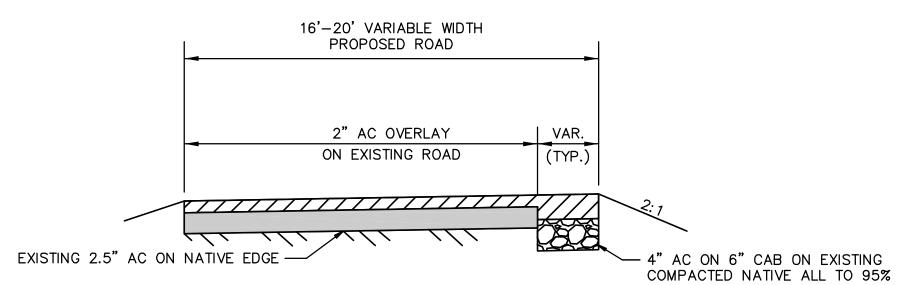
- CONSTRUCT 4" AC ON 6" CLASS 2 AGGREGATE BASE (CAB) OVER 6" 95% COMPACTED NATIVE SUBGRADE
- CONSTRUCT AC ON BRIDGE DECK PER SHEETS B5 & B6
- CONSTRUCT 2" AC OVERLAY ON EXISTING AC
- CONSTRUCT 6" AC BERM PER SDRSD G-5, TYPE A
- CONSTRUCT 5' EDGE/GRIND 1" DEEP & FEATHER AC TO JOIN EXISTING
- RELOCATE/REPLANT YOUNG TREE
- REMOVE PORTIONS OF EXISTING TREE
- CONSTRUCT BOULDER PLACED NATURAL ROAD EDGE AFTER CONSTRUCT PLACE 3'-6' DIA. BOULDER W/ 2'-4'ROCK ABOVE ROAD SURFACE AT OUTSIDE EDGE OF PAVEMENT PRIOR TO FINAL PAVING. SEE DETAIL & SECTION HERE ON $\begin{pmatrix} A \\ R1 \end{pmatrix}$
- REMOVE EXISTING BRIDGE COLUMNS ABOVE FOUNDATION
- REMOVE INTERFERING PORTIONS OF BRIDGE ABUTMENT AND SUPERSTRUCTURE ONLY
- PROTECT EXISTING BRIDGE ABUTMENTS BELOW PROPOSED **SUPERSTRUCTURE**
- REMOVE PORTION OF EXISTING PAVEMENT
- PROTECT EXISTING DRAIN INLET
- SLURRY NEW & OLD AC PAVING AFTER CONSTRUCTION TRAFFIC COMPLETION WITH TYPE I AC SLURRY SEAL

GRIND & FEATHER OVERLAY

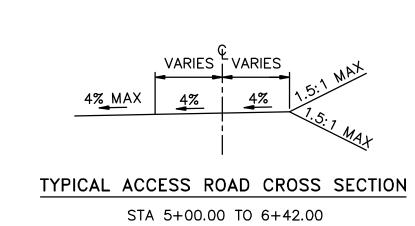
NEW AC ON CAB

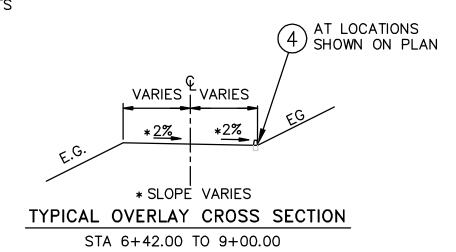


AC BRIDGE PAVEMENT



SECTION B-B



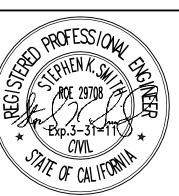


PROFILE: ACCESS ROAD TO SITE P-87-1 & P-88-1

HORIZ. & VERT. SCALE: 1" = 30'



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BY: APP'D: NO. DATE BY: APP'D: WORK DONE DRAWN BY: 00 CHECKED BY:

SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA SPL-06 (LINK 4)

PLOT SCALE: 1 = 1

DATE:

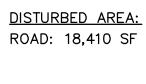
DATE:

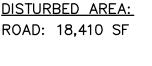
APPROVED BY:

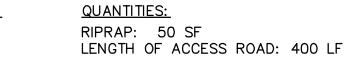
CAD NO.:

ACCESS ROAD TO SITES P-87-1 & P-88-1

06-P87-1-P88-1-R3







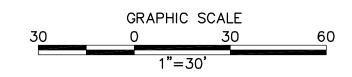
BAUER JOHN E & TONIE V APN 402-211-01

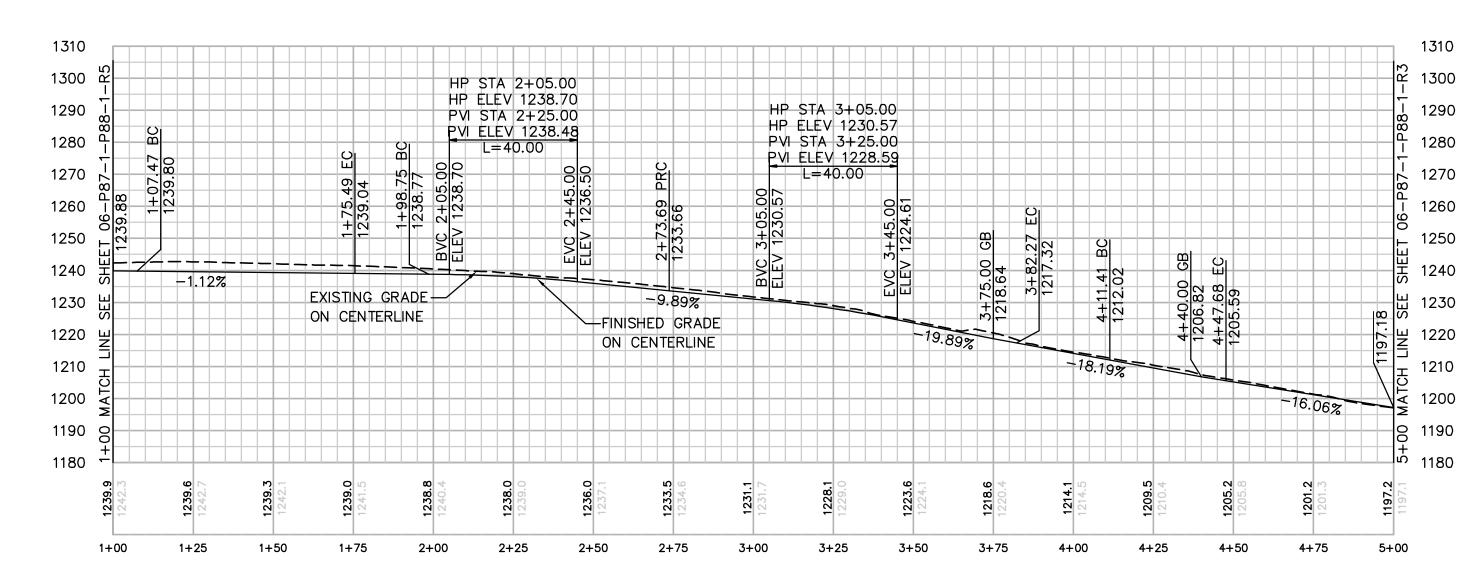
BAUER JOHN E & TONIE

402-220-10



BAUER JOHN E & TONIE V APN 402-220-11





PROFILE: ACCESS ROAD TO SITE P-87-1 & P-88-1 HORIZ. & VERT. SCALE: 1" = 30'

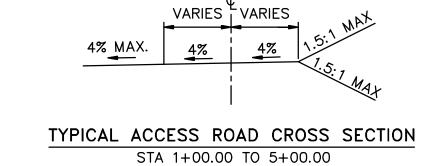
		ENTERLINI	- DATA
			- DATA
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C7	160.00	36.27	12°59'21"
L5		29.14	S32*37'02"E
C8	75.00	108.58	82*56'47"
C9	110.00	74.94	39 ° 02'12"
L6		23.26	S76 ° 31 ' 37 " E
C10	82.50	68.02	47 ° 14'19"

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
64	1889424.88	6390741.30	1201.05	FG
65	1889434.88	6390751.09	1200.49	FG
66	1889450.87	6390724.76	1205.59	EC/CL
67	1889444.44	6390718.46	1205.95	EC
68	1889457.30	6390731.05	1205.23	EC
69	1889478.95	6390701.93	1212.02	BC/CL
70	1889474.10	6390694.35	1212.38	BC
71	1889483.80	6390709.51	1211.66	ВС
72	1889498.11	6390677.80	1217.72	EC
73	1889503.50	6390686.22	1217.32	EC/CL
74	1889508.89	6390694.64	1216.92	EC
75	1889530.73	6390590.68	1233.66	PRC/CL
76	1889521.71	6390595.00	1234.06	PRC
77	1889539.75	6390586.37	1233.26	PRC
78	1889522.99	6390517.59	1238.77	BC/CL
79	1889513.26	6390515.26	1239.17	BC
80	1889532.71	6390519.92	1238.37	ВС
81	1889528.41	6390494.97	1239.04	EC/CL
82	1889518.68	6390492.64	1239.44	EC
83	1889538.13	6390497.30	1238.64	EC
84	1889568.28	6390442.24	1239.80	BC/CL
85	1889563.39	6390433.52	1240.20	BC
86	1889573.17	6390450.96	1239.40	ВС
87	1889463.07	6390623.05		RP
88	1889608.64	6390514.19		RP

APPROVED BY:

CAD NO.:

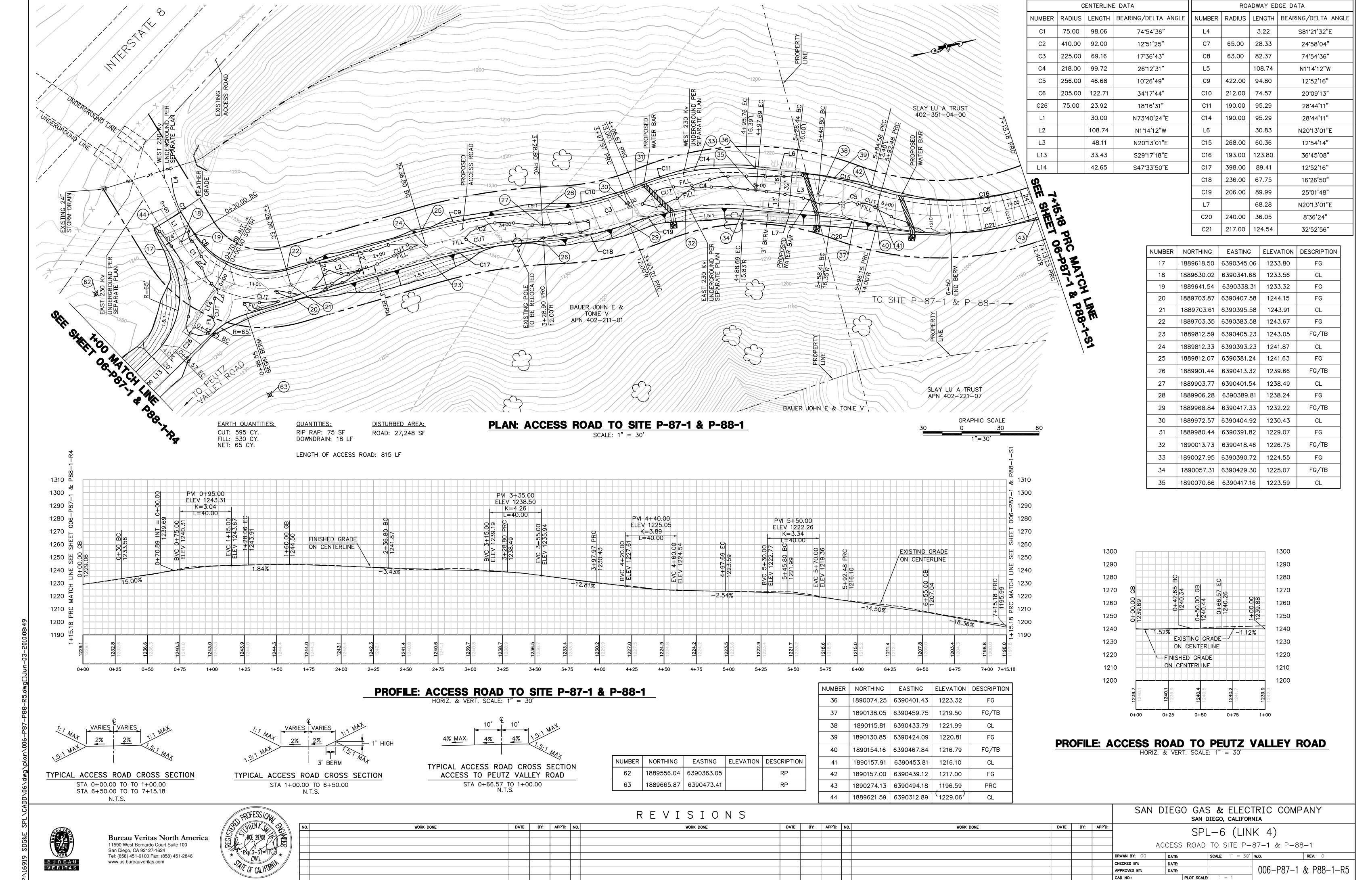
DATE:

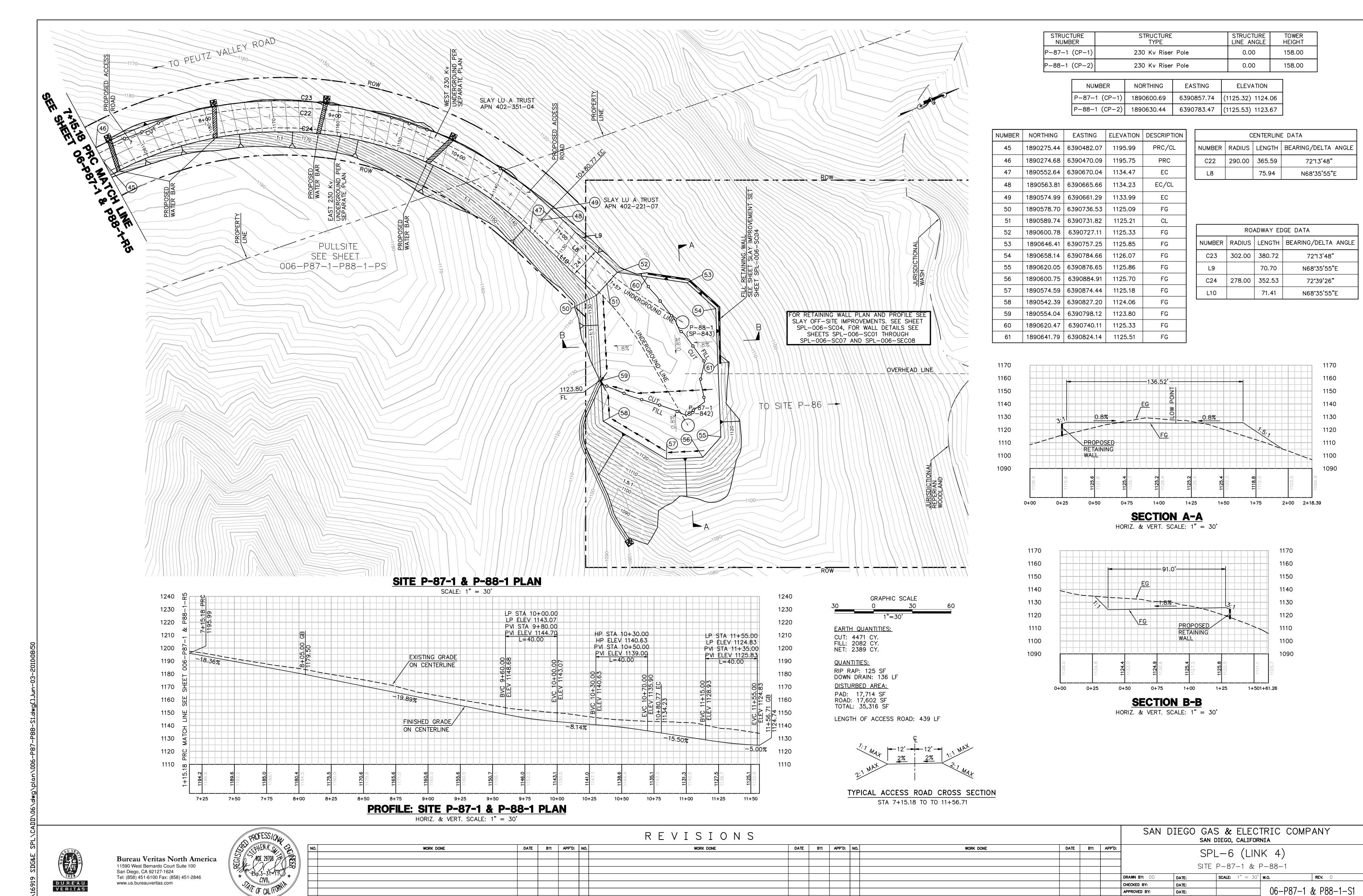




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∌∥										SPL	06 (LINK 4)	
									۸,	CESS BUYD	TO SITES P-87-1 & P-8	38_1
									AC	CL33 NOAD	10 311L3 F-0/-1 & F-0	30-1
+ //									DRAWN BY: 00	DATE:	SCALE: 1" = 30' W.O.	REV. O
//									CHECKED BA-	DATE		

PLOT SCALE: 1 = 1



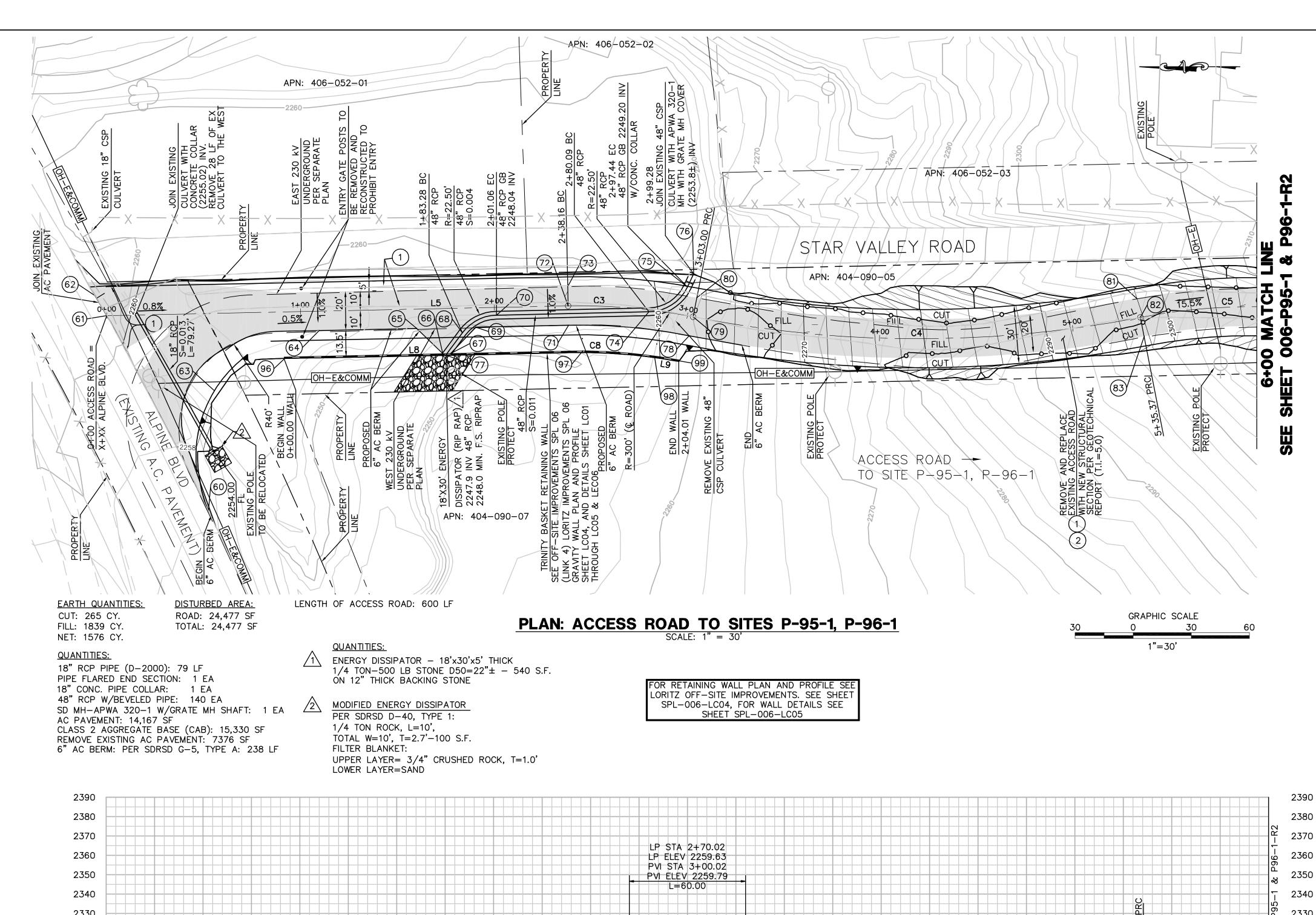


APPROVED BY:

CAD NO.:

DATE:

PLOT SCALE: 1 = 1



2390 2380 2360 2330 2330 2320 2310 2300 2300 2290 FINISHED GRADE ON CENTERLINE -0.85% 2250 EXISTING GRADE 2240 2240 ON CENTERLINE 2230 2230

PROFILE: ACCESS ROAD TO SITES P-95-1, P-96-1
HORIZ. & VERT. SCALE: 1" = 30"

CONSTRUCTION NOTES

REMOVE EXISTING PAVEMENT

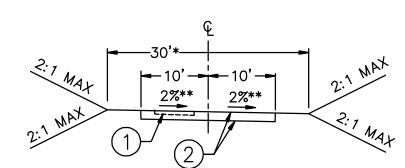
CONSTRUCT ±4" AC ON 5" CAB COMPACTED TO 95% ON 90% COMPACTED NATIVE SOIL, VERIFY R-VALUE WITH ENGINEER AFTER GRADING

NEW AC ON CLASS 2 AGGREGATE BASE (CAB)

CENTERLINE DATA										
LE										

FACE OF WALL DATA											
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE								
L8		154.18	S1*29'55"E								
C8	186.50	37.26	11 ' 26'43"								
L9		12.57	S9*56'45"W								

NORTHING	EASTING	ELEVATION	DESCRIPTION
1883465.84	6417524.83	(2256.50)	ВС
1883518.32	6417625.87	(2260.41)	CL
1883524.25	6417636.04	(2260.93)	FG
1883462.81	6417587.12	2259.48	FG/MOC
1883408.74	6417618.19	2259.33	EC
1883358.45	6417619.26	2259.08	FG
1883344.87	6417606.24	2257.50	FG
1883340.87	6417606.33	2257.50	FG
1883334.81	6417617.03		BC/RCP
1883327.85	6417619.90	2259.08	FG
1883317.22	6417626.14		EC/RCP
1883280.01	6417620.92	2259.35	ВС
1883280.22	6417630.92	2259.45	BC/CL
1883280.43	6417640.92	2259.55	ВС
1883238.49	6417627.85		BC/RCP
1883218.64	6417640.72		EC/RCP
1883215.43	6417647.50		RCP
1883343.30	6417605.57		RCP
1883217.69	6417615.49	2261.08	PRC
1883215.75	6417625.30	2261.28	PRC/CL
1883213.81	6417635.11	2261.48	PRC
1882986.74	6417634.82	2297.98	PRC
1882984.83	6417625.01	2297.78	PRC/CL
1882982.92	6417615.19	2297.58	PRC
1883426.83	6417603.51		WALL
1883272.70	6417607.55		WALL
1883235.61	6417604.81		WALL
1883223.23	6417602.64		WALL
	1883465.841883518.321883524.251883462.811883408.741883358.451883344.871883334.811883337.851883317.221883280.011883280.221883280.431883218.641883215.431883215.431883215.751883213.811883213.811882984.831882984.831882982.921883426.831883272.701883235.61	1883465.846417524.831883518.326417625.871883524.256417636.041883462.816417587.121883408.746417618.191883358.456417619.261883344.876417606.241883340.876417606.331883334.816417617.031883327.856417619.9018833280.016417620.921883280.226417630.921883280.436417640.921883218.646417640.721883215.436417647.501883215.436417605.571883217.696417635.111883213.816417634.821882984.836417625.011882984.836417625.011883292.926417615.191883272.706417607.551883235.616417604.81	1883465.84 6417524.83 (2256.50) 1883518.32 6417625.87 (2260.41) 1883524.25 6417636.04 (2260.93) 1883462.81 6417587.12 2259.48 1883408.74 6417618.19 2259.33 1883358.45 6417619.26 2259.08 1883340.87 6417606.24 2257.50 1883334.81 6417617.03 2259.08 1883327.85 6417619.90 2259.08 1883280.01 6417626.14 2259.35 1883280.22 6417630.92 2259.35 1883280.43 6417640.92 2259.55 1883218.64 6417640.92 2259.55 1883218.64 6417640.72 2259.55 1883215.43 6417647.50 2261.08 1883215.43 6417647.50 2261.08 1883215.43 6417605.57 2261.28 1883217.69 6417625.30 2261.28 1883213.81 6417635.11 2261.48 1882986.74 6417634.82 2297.98 1882984.83 6417603.51 2297.78 18832426.83 6417603.



TYPICAL ACCESS ROAD CROSS SECTION

0+00 TO 6+00 * AND VARIES

BY: APP'D:

** 1% 1+00 TO 2+38.16



Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com



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SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA

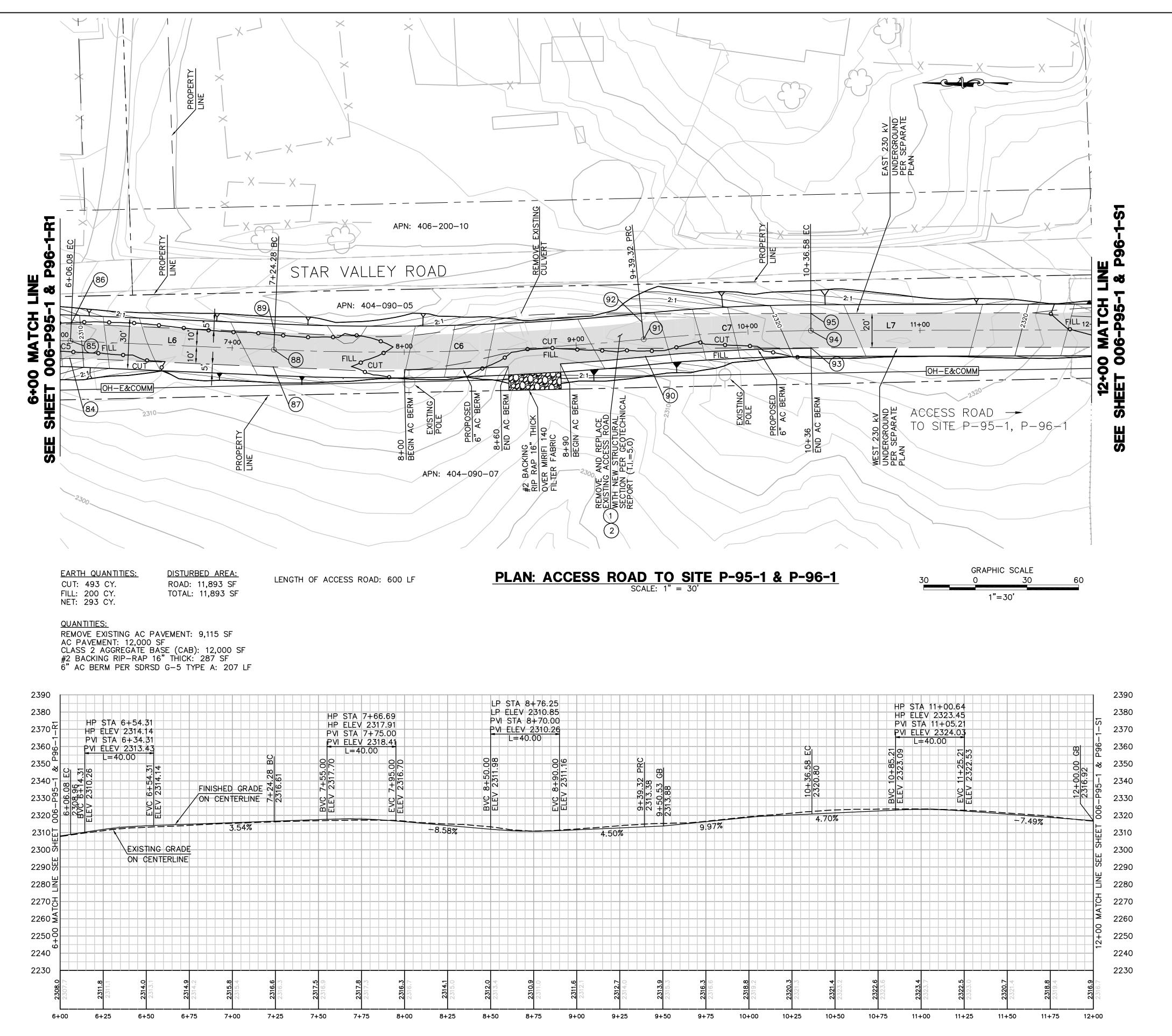
SPL-06 (LINK 4)

ACCESS ROAD TO SITE P-95-1 & P-96-1

Λ.	CL33 NOAD	10 0) L	33 1 & 1	30	'
DRAWN BY: 00	DATE:	SCALE:	1" = 30'	W.O.		REV.
CHECKED BY:	DATE:			00 505		
APPROVED BY:	DATE:		_	1 06-P95-	-1 8	& P9

PLOT SCALE: 1 = 1

06-P95-1 & P96-1-R1



CONSTRUCTION NOTES

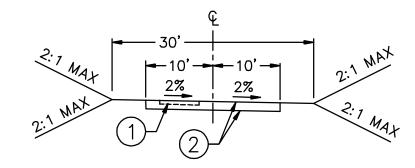
(1) REMOVE EXISTING PAVEMENT

2 CONSTRUCT ±4" AC ON 5" CAB COMPACTED TO 95% ON 90% COMPACTED NATIVE SOIL, VERIFY R-VALUE WITH ENGINEER AFTER GRADING

NEW AC ON CLASS 2 AGGREGATE BASE (CAB)

	CENTERLINE DATA											
NUMBER	RADIUS LENGTH BEARING/DELTA											
C5	300.00	70.71	13 ° 30'16"									
L6		118.20	S2°29'00"W									
C6	1500.00	215.04	8°12'49"									
C7	1000.00	97.26	5*34'22"									
L7		162.59	S0*09'27"E									

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
84	1882914.91	6417620.27	2308.76	EC
85	1882914.48	6417630.26	2308.96	EC/CL
86	1882914.04	6417640.25	2309.16	EC
87	1882796.82	6417615.14	2316.41	BC
88	1882796.38	6417625.13	2316.61	BC/CL
89	1882795.95	6417635.13	2316.81	ВС
90	1882580.62	6417621.27	2313.18	PRC
91	1882581.62	6417631.22	2313.38	PRC/CL
92	1882582.62	6417641.17	2313.58	PRC
93	1882484.49	6417626.21	2320.60	EC
94	1882484.52	6417636.21	2320.80	EC/CL
95	1882484.55	6417646.21	2321.00	EC



TYPICAL ACCESS ROAD CROSS SECTION STA 6+00.00 TO 12+00.00

PROFILE: ACCESS ROAD TO SITES P-95-1, P-96-1
HORIZ. & VERT. SCALE: 1" = 30'

B U R E A U
V E R I T A S

Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com



						REVISIONS					`
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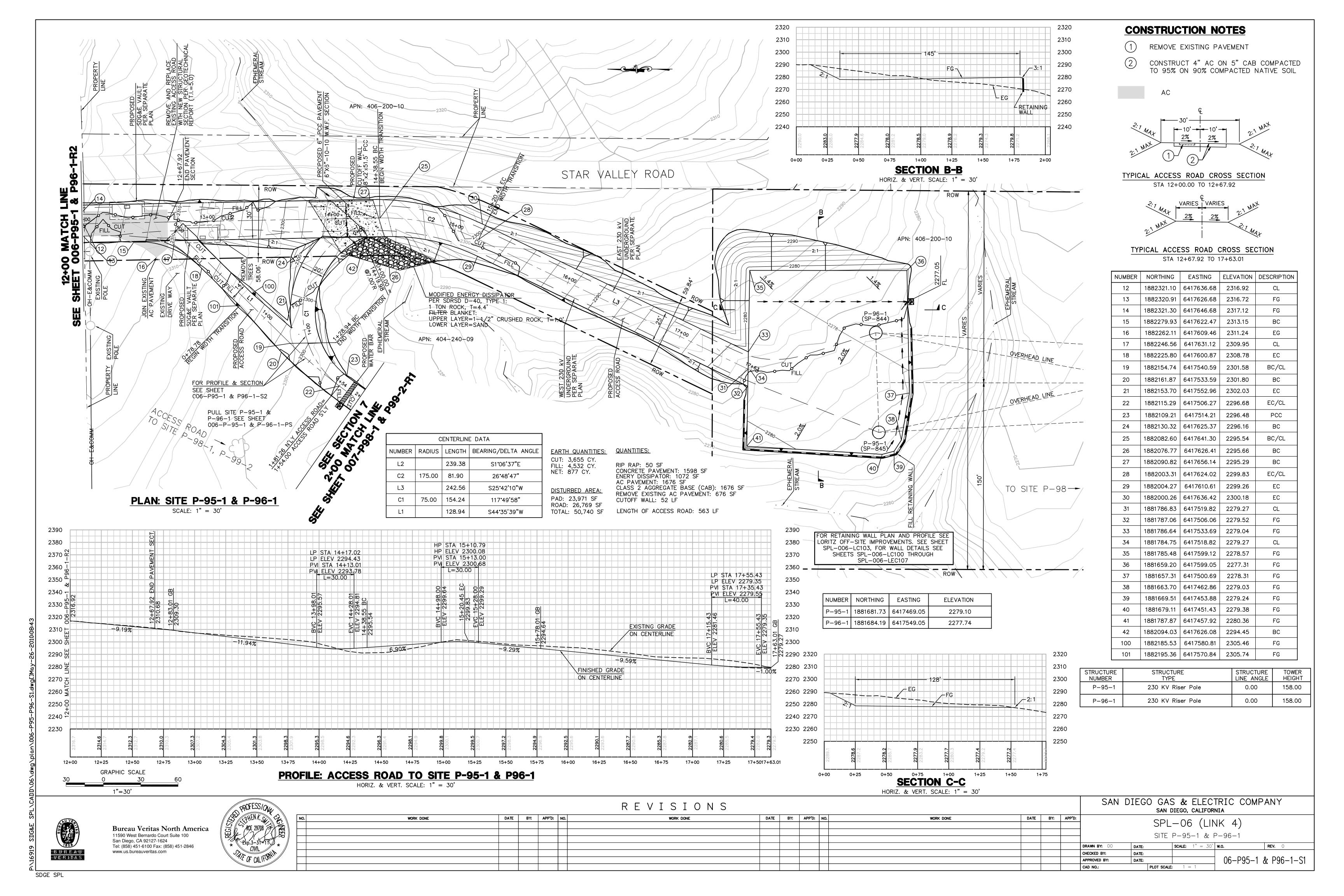
SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA

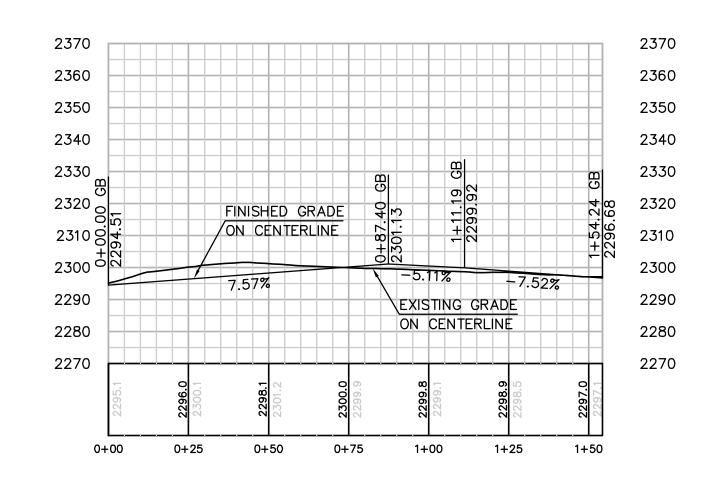
SPL-06 (LINK 4)

ROAD TO SITE P-95-1 & P-96-1

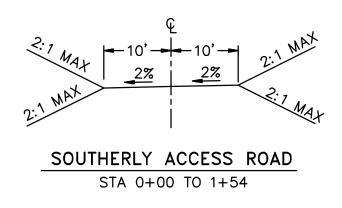
ACCESS ROAD TO SITE P-95-1 & P-96-1

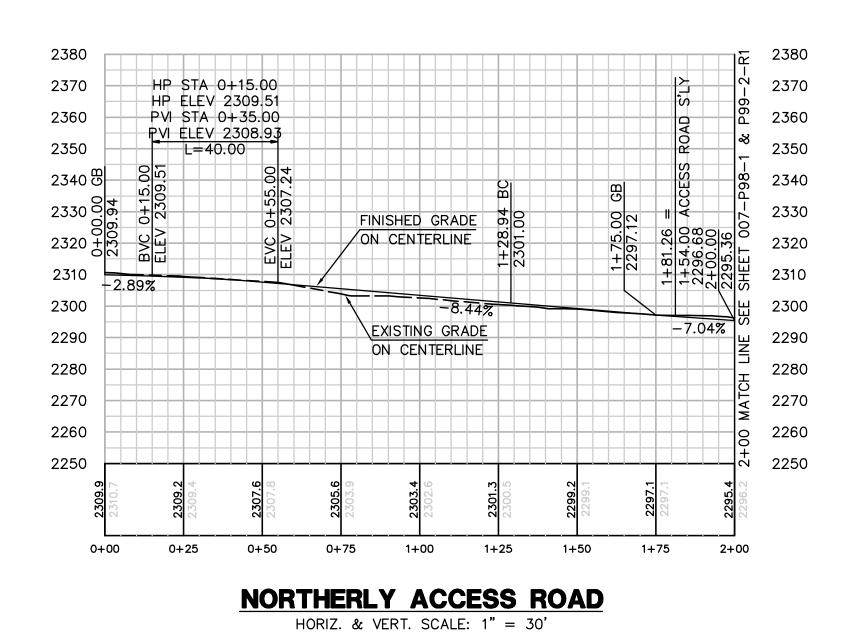
DATE: SCALE: 1'' = 30' W.O. REV. 0





SOUTHERLY ACCESS ROAD
HORIZ. & VERT. SCALE: 1" = 30'





NORTHERLY ACCESS ROAD STA 0+00 TO 2+00

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SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA

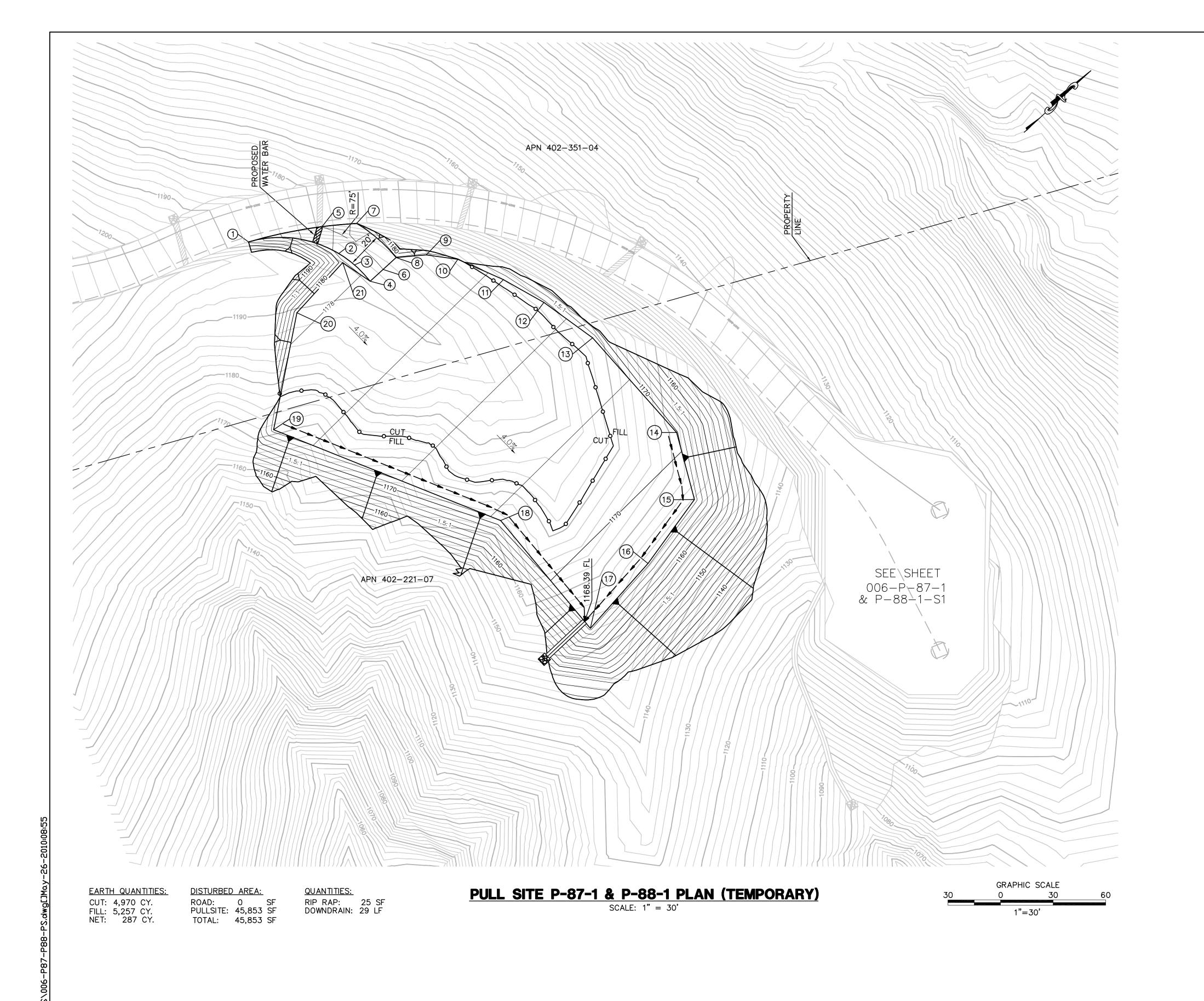
DATE BY: APP'D:

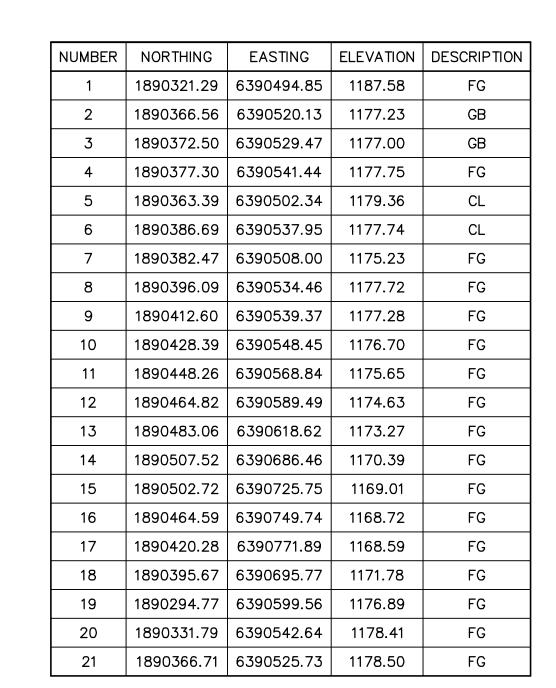
CAD NO.:

SPL-06 (LINK 4) SITE P-95-1 & P-96-1

DATE: CHECKED BY: DATE: 06-P95-1 & P96-1-S2 PLOT SCALE: 1 = 1

SDGE SPL





BUREAU

REVISIONS DATE BY: APP'D: WORK DONE DATE BY: APP'D: NO. DATE BY: APP'D: NO. WORK DONE DRAWN BY: 00

SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA SPL-06 (LINK 4)

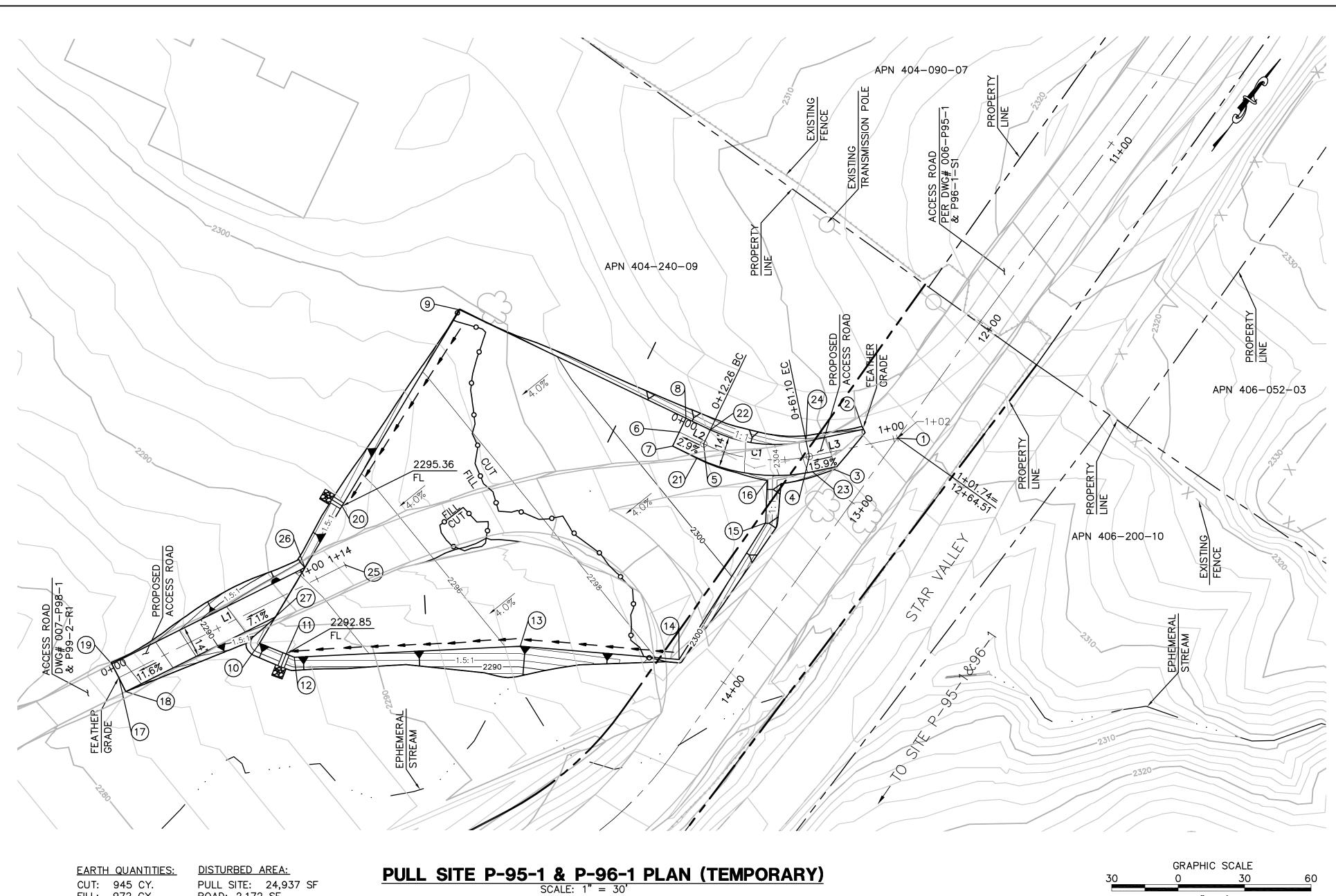
PULL SITE P-87-1 & P-88-1

PLOT SCALE: 1 = 1

CHECKED BY:

SCALE: 1" = 30' **W.O.** REV. O 06-P87-1-P88-1-PS

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EARTH QUANTITIES: CUT: 945 CY. FILL: 972 CY. NET: 27 CY.

DOWN DRAIN: 12 LF RIP RAP: 50 SF

QUANTITIES:

DISTURBED AREA: PULL SITE: 24,937 SF

ROAD: 2,172 SF TOTAL: 27,109 SF

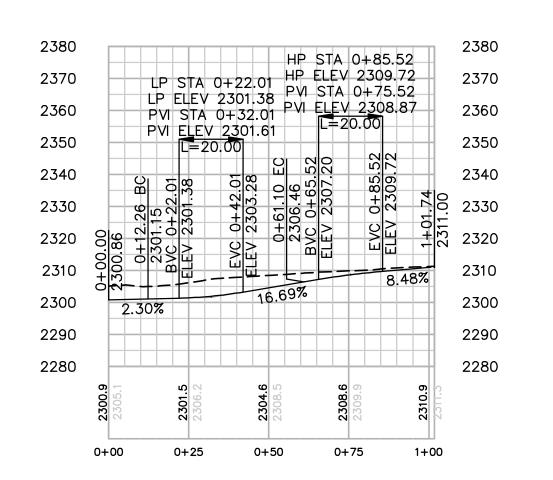
2360 HP STA 0+74.86 LP STA 0+02.95 HP ELEV 2293.20 LP ELEV 2283.71 PVI STA 0+59.86 PVI STA 0+17.95 PVI ELEV 2292.64 PVI ELEV 2284.89 L=30.00 2340 2330 2320 2320 2310 2300 2280 2270

	0+00	0+25	0+50	0+75	1+00	1+14.20
					_	
PROFIL	F. DII	II SIT	'F SW	ACCE	38	ROAD
PROFII	<u>LE: PU</u>	<u>LL SIT</u>	<u>e sw</u>	ACCE	<u>55</u>	ROAD

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PROFILE:	PULL	SITE	NE	ACCESS	ROAD
	HORIZ. &	ι VERT. S	CALE:	1" = 30'	

2340		2340	2330		2330
2330		2330	2320		2320
2320		2320	2310		2310
2310	EG -	2310	2300	r FG	5:1 2300
2300		2300	2290	-7-4-	2290
2290 1.5:	1 FG	2290	2280	\- EG	2280
2280		2280	2270		2270
2270		2270	2260		2260
2305.1	2300.6 2303.7	2302.2	2295.5 2294.1	2294.9	2289.4
0+00	0+25	0+50	0+00	0+25	0+50
SEC	TION A	-A	SEC	CTION E	3-B

HORIZ. & VERT. SCALE: 1" = 30' HORIZ. & VERT. SCALE: 1" = 30'

REVISIONS ROE 29708 F Exp.3-31=11 DATE BY: APP'D: NO. WORK DONE DATE BY: APP'D: NO. WORK DONE

1"=30'

SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA

CENTERLINE DATA

NUMBER | RADIUS | LENGTH | BEARING/DELTA ANGLE

12.26

40.64

NORTHING EASTING ELEVATION DESCRIPTION

1882256.61 | 6417637.93 | 2311.00

1882251.37 | 6417621.98 | 2311.42

1882228.29 | 6417623.47 | 2307.86

1882226.26 | 6417610.90 | 2306.46

1882202.51 | 6417569.21 | 2301.15

1882200.17 | 6417557.17 | 2300.86

1882193.30 | 6417558.51 | 2311.00

1882207.04 | 6417555.84 | 2301.01

1882185.62 | 6417444.68 | 2299.22

1882010.80 | 6417461.64 | 2292.66

1882014.06 | 6417474.10 | 2292.85

1882015.09 | 6417478.04 | 2292.91

1882079.79 | 6417557.04 | 2296.22

1882117.65 | 6417618.22 | 2298.31

1882190.41 | 6417612.93 | 2301.09

1882206.21 | 6417602.18 | 2301.60

1881960.50 | 6417419.82 | 2283.48

1881957.33 | 6417426.06 | 2283.34

1881963.68 | 6417413.58 | 2283.62

1882082.83 | 6417454.66 | 2295.36

1882195.64 | 6417570.54 | 2301.01

1882209.38 | 6417567.87 | 2301.29

1882221.60 | 6417616.13 | 2306.32

1882230.91 | 6417605.67 | 2306.60

1882062.26 | 6417471.66 | 2294.68

1882050.47 | 6417457.80 | 2294.15

1882024.56 | 6417460.31 | 2293.18

TYPICAL ACCESS ROAD CROSS SECTION STA 0+00.00 TO 1+14.20 SW

STA 0+00.00 TO 1+01.74 NE

37**°**18'32"

N26**°**59'47"E

N78**'**59'32"E

N41°41'00"E

75.00 48.84

REV. O

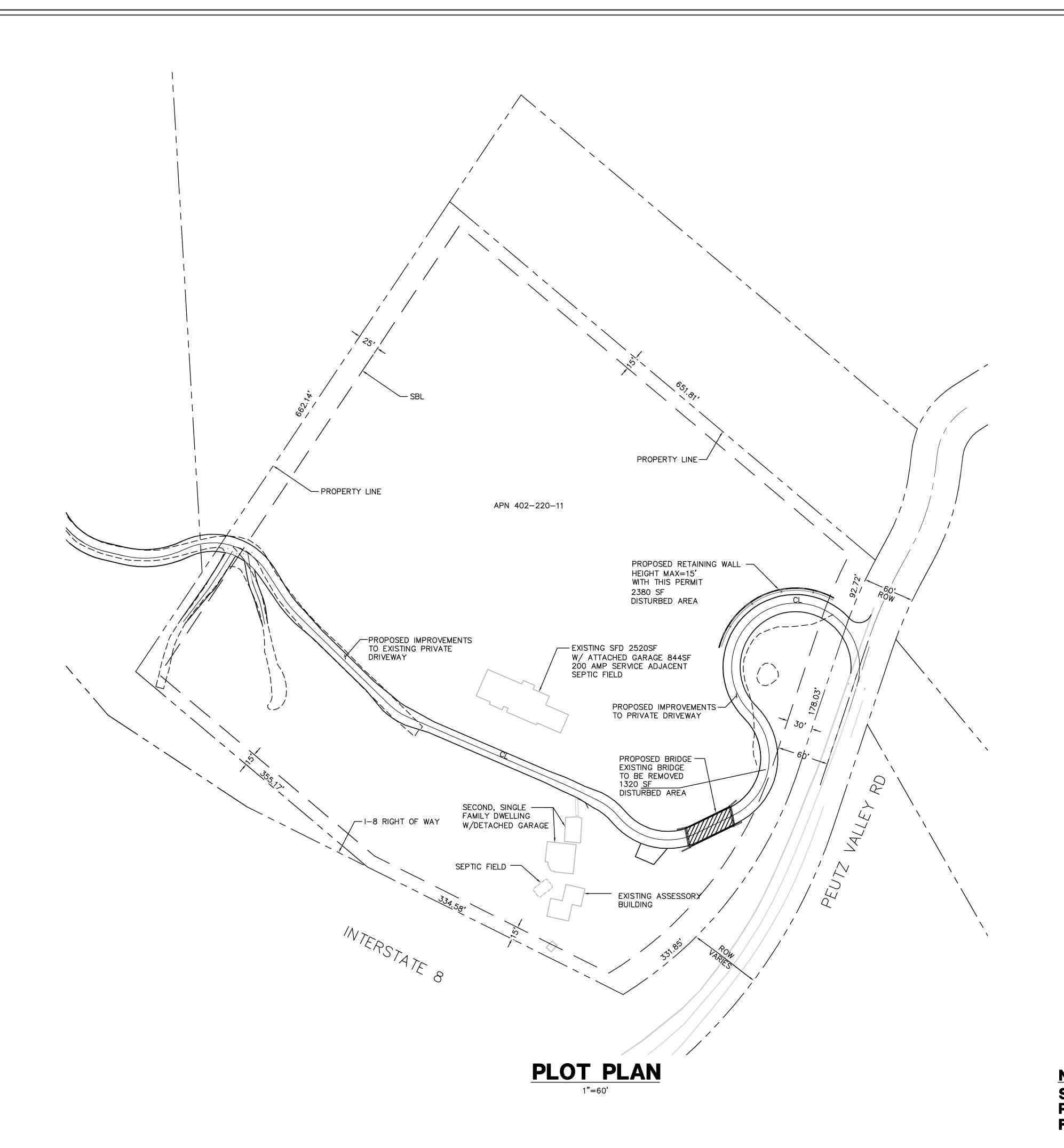
EC

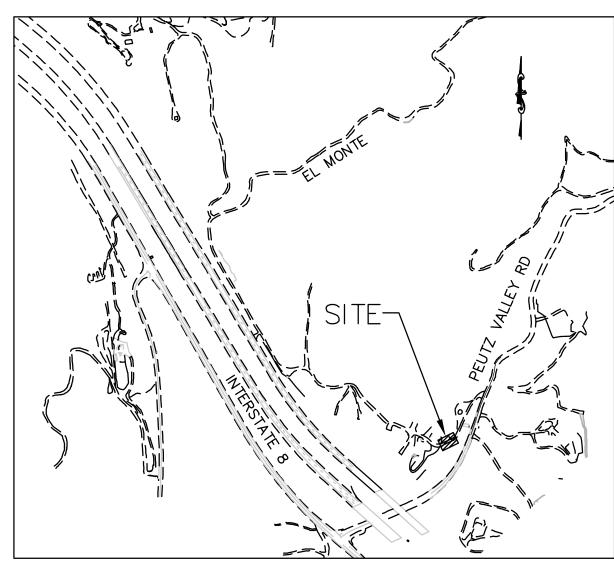
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FG

B U R E A U V E R I T A S

DATE BY: APP'D: SPL-06 (LINK 4) PULL SITE P-95-1 & P-96-1 DRAWN BY: 00 CHECKED BY: DATE: 06-P-95-1 & P-96-1-PS APPROVED BY: DATE: PLOT SCALE: 1 = 1 CAD NO.:





VICINITY MAP NOT TO SCALE

<u>APPLICANT</u> SAN DIEGO GAS & ELECTRIC MS.MOLLY FRISBIE (858)650-4078

<u>PROPOSED</u> BRIDGE DEMO AND
CONSTRUCTION OF NEW BRIDGE
CONSTRUCTION OF RETAINING WALL

<u>OWNER</u> MR & MRS. JOHN BAUER 450 PEUTZ VALLEY RD. ALPINE, CA 91901

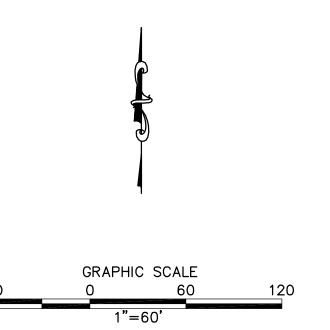
<u>CONTACT</u> RICHARD J. WILSON OR LUIS ALARCON BUREAU VERITAS 11590 W. BERNARDO COURT, SUITE 100 SAN DIEGO, CA 92127 (858) 451-6100

<u>LEGEND</u>

— – – PROPERTY LINE — — BUILDING SETBACK LINE (SBL)

ABBREVIATIONS

ASSESSORS PARCEL NO.
CENTER LINE
CALIFORNIA PUBLIC UTILITY COMMISSION
EXISTING
RIGHT OF WAY
ROAD
SET BACK LINE
EXISTING
SQURE FOOT
SINGLE FAMILY DWELLING



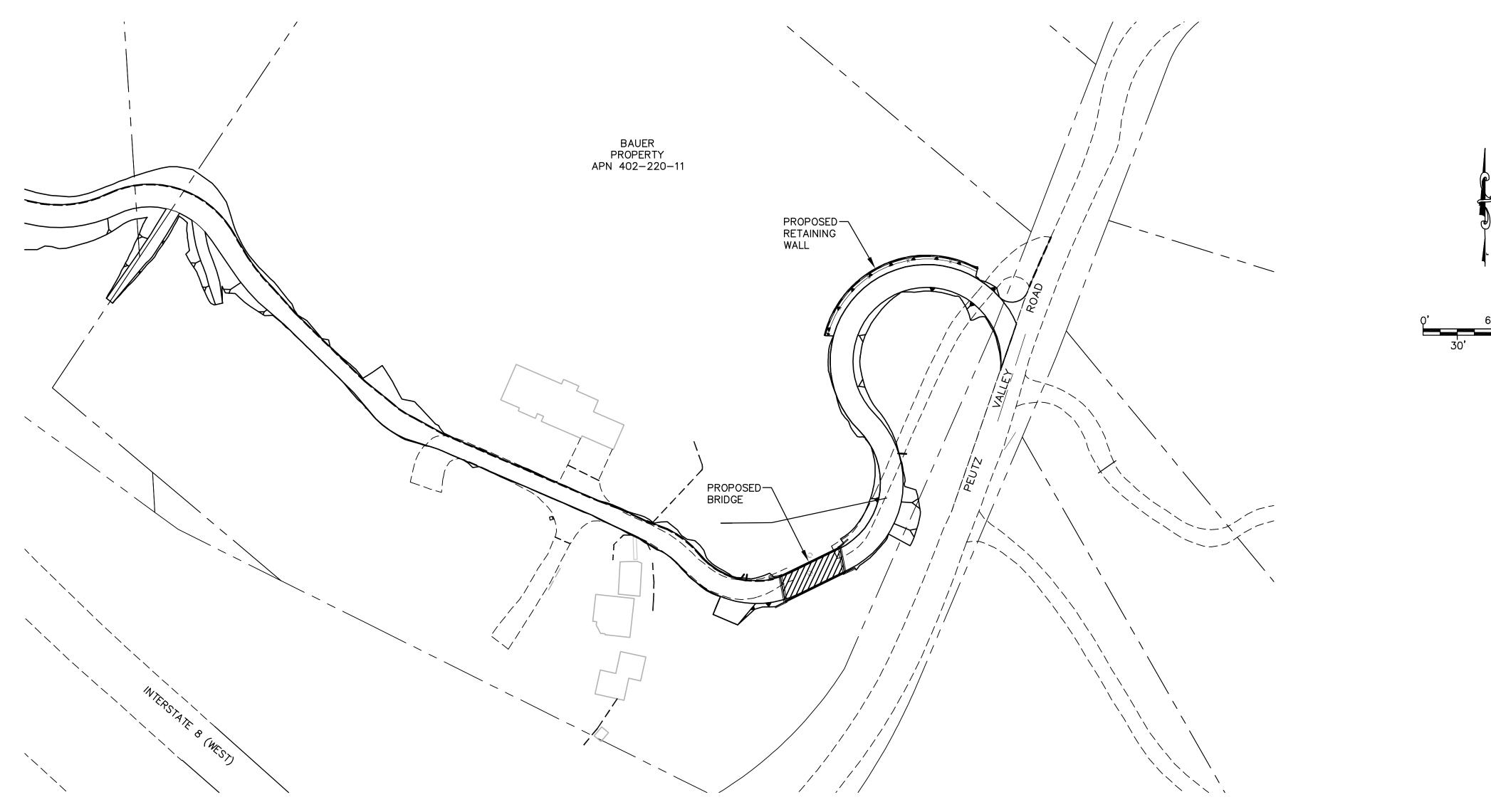
NOTE: SPECIAL INSPECTION IS REQUIRED PLEASE SEE SPECIAL INSPECTION FORM ON SHEET SPL-06-BC03





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BAUER IMPROVEMENTS - APN 402-220-11 SAN DIEGO COUNTY BUILDING PERMIT SET



ON-SITE WORK TO BE DONE

SITE / ACCESS ROAD

BAUER MSE WALL DETAILS

BAUER MSE WALL DETAILS

EROSION CONTROL PLAN - WALL EROSION CONTROL PLAN - BRIDGE

PLOT PLAN SITE PLAN LEGEND AND GENERAL NOTES BAUER BRIDGE PLAN AND PROFILE BAUER BRIDGE WEST ABUTMENT DETAILS BAUER BRIDGE EAST ABUTMENT DETAILS BAUER BRIDGE ANCHOR BOLT LAYOUT BAUER BRIDGE GENERAL NOTES WITH BRIDGE ELEVATIONS BAUER BRIDGE BRIDGE SECTION, RAILING SECTION, AND BRIDGE PLANK DETAILS BAUER BRIDGE BRIDGE BEARING DETAILS BAUER WALL PLAN AND PROFILE BAUER MSE WALL DETAILS

SHEET NUMBER

SPL 06-BC01 SPL 06-BC02 SPL 06-BC03 06-P87-P88-B1 06-P87-P88-B2 06-P87-P88-B3 06-P87-P88-B4 06-P87-P88-B5 06-P87-P88-B6 06-P87-P88-B7 06-P87-P88-W1 06-P87-P88-W2 06-P87-P88-W3 06-P87-P88-W4 SPL 06-BEC01 SPL 06-BEC02

PLOT SCALE: 1 = 1

SPL-06-BC02

UNDERGROUND SERVICE ALERT

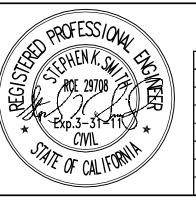


CALL: TOLL FREE 422-4133

"CAUTION": TWO WORKING DAYS BEFORE YOU DIG REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHOM THEY WILL NOTIFY. NOTIFIES ONLY THOSE UTILITIES BELONGING TO

BURFAU VERITAS

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NO.	WORK DONE	DATE BY:	APP'D: NO.	WORK DONE	DATE BY: APP'D: NO.	WORK DONE	DATE	BY: AF	P'D:	CDI	00 (TNII/		
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												SITE PLA	N	
													- T	
									DRAWN	BY: J.PIORKOWSKI	DATE:	SCALE: NA	W.O.	REV. O
									CHECKE	BY:	DATE:			
									APPRO\	ED BY:	DATE:		7 SPL-	06-BC0
									1			•	-	

- ALL WORK SHALL COMPLY WITH ALL APPLICABLE PORTIONS OF THE FOLLOWING PROJECT SPECIFICATIONS.
- NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT ALL FILL IN STRICT ACCORDANCE WITH SDG&E'S SPECIFICATIONS. A GEOTECHNICAL ENGINEER WILL BE THE OWNER'S REPRESENTATIVE TO INSPECT THE CONSTRUCTION OF FILLS. THE EXCAVATION AND THE PLACEMENT OF FILL WILL BE UNDER THE DIRECT INSPECTION OF THE GEOTECHNICAL ENGINEER, AND HE WILL GIVE WRITTEN NOTICE OF CONFORMANCE WITH THE SPECIFICATIONS UPON COMPLETION OF GRADING. DEVIATIONS FROM SDG&E'S SPECIFICATIONS WILL BE PERMITTED ONLY UPON WRITTEN AUTHORIZATION FROM THE GEOTECHNICAL ENGINEER OR THE SDG&E REPRESENTATIVE.
- 4. OBSERVATIONS AND COMPACTION TESTS WILL BE MADE BY THE GEOTECHNICAL ENGINEER DURING THE FILLING AND COMPACTING OPERATIONS SO THAT HE CAN STATE HIS OPINION THAT THE FILL WAS CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- 5. DURING CONSTRUCTION: THE CONTRACTOR SHALL GRADE ALL EXCAVATED AND FILLED SURFACES TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING OF WATER. HE SHALL CONTROL SURFACE WATER TO AVOID DAMAGE TO ADJOINING PROPERTIES OR TO FINISH WORK ON THE SITE. THE CONTRACTOR SHALL TAKE REMEDIAL MEASURES TO PREVENT EROSION OF FRESHLY GRADED AREAS, AND UNTIL SUCH TIME AS PERMANENT DRAINAGE AND EROSION CONTROL MEASURES HAVE BEEN INSTALLED. AFTER GRADING IS COMPLETED AND THE GEOTECHNICAL ENGINEER HAS FINISHED HIS OBSERVATIONS OF THE WORK, NO FURTHER EXCAVATION OR FILLING SHALL BE DONE, EXCEPT UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
- 6. CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING THE GRADING OPERATIONS.
- BRUSH AND TREES SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED. WHEN TREES ARE REMOVED, THE ROOT SYSTEMS SHALL ALSO BE REMOVED AND THE RESULTING EXCAVATION FILLED WITH PROPERLY COMPACTED FILL SOILS.
- 8. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH AND UNIFORM SURFACE OR CROSS-SECTION. THE SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS DIRECTED BY THE SDG&E REPRESENTATIVE AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPE SHALL BE REMOVED AND DISPOSED OF.
- ELEVATIONS SHOWN ON THESE PLANS AND ALL SLOPES SHALL BE CONSTRUCTED WITHIN ±0.5' OF THE LOCATION SHOWN ON THESE PLANS. IN NO WAY SHALL THE ABOVE TOLERANCES RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PROVIDING A FINISH THAT WILL NOT POND WATER.

9. GRADING SHALL BE DONE WITHIN A TOLERANCE OF ±0.1' OF THE GRADES AND

- 10. ANY QUANTITIES INDICATED ON THESE PLANS ARE ENGINEERS' ESTIMATES ONLY AND ARE NOT TO BE USED BY CONTRACTOR FOR BIDDING PURPOSES.
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND BRING DISCREPANCIES TO THE ATTENTION OF THE SDG&E REPRESENTATIVE PRIOR TO STARTING CONSTRUCTION.
- 12. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT TITLED "GEOTECHNICAL EVALUATION — ACCESS ROADS AND STRUCTURAL PADS SUNRISE POWERLINK BY URS, DATED, OCTOBER 16, 2009, URS PROJECT No.27669019.0002

EROSION CONTROL NOTES

- 1. ALL POLE & TOWER MAINTENANCE PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING
- 2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
- 3. ALL GRADED CUT OR FILL SLOPES SHALL BE HYDROSEEDED TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- 4. FIBER ROLLS SHALL BE PLACED AT TOP, TOE AND FACE (15 FOOT INTERVALS) OF GRADED ALL CUT AND FILL SLOPES TO INTERCEPT RUNOFF AND REDUCE EROSION IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

COUNTY OF SAN DIEGO CONSTRUCTION NOTES

- 1. ALL ASPHALT CONCRETE SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS. 2006 SECTION 39 AND SHALL HAVE A BASE COURSE OF TYPE A 3/4" MAXIMUM COURSE AND A 2" FINAL LIFT (OR 2" OVERLAY) USING TYPE B, 1/2" MAXIMUM, MEDIUM GRADATION
- 2. AGGREGATE BASE SHALL CONFORM TO CALTRANS SECTION 26 CLASS II AGGREGATE BASE
- 3. ALL OTHER WORK IN COUNTY OF SAN DIEGO PUBLIC RIGHT OF WAY SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS OR STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION WITH REGIONAL SUPPLEMENT AMENDMENTS (LATEST ADOPTED
- 4. WORK WITHIN COUNTY RIGHT OF WAY IS SUBJECT TO COUNTY CONSTRUCTION/ ENCROACHMENT PROCESS AND MAY REQUIRE CONSTRUCTION TRAFFIC CONTROL TO MITIGATE SIGHT DISTANCE AND CONSTRUCTION WITHIN THE COUNTY RIGHT OF WAY

COUNTY OF SAN DIEGO BUILDING DIVISION NOTES

- 1. THE APPROVAL OF PLANS AND SPECIFICATIONS DOES NOT PERMIT THE VIOLATION OF ANY SECTION OF THE BUILDING CODE, COUNTY ORDINANCES, OR STATE LAW. THE FOLLOWING LIST DOES NOT NECESSARILY INCLUDE ALL ERRORS AND OMISSIONS. (SEE THE 2007 CALIFORNIA BUILDING CODE, APPENDIX CHAPTER 1, SECTION 105.4)
- 2. TWO (2) COPIES OF THE FINAL COMPACTION REPORT SHALL BE SUBMITTED TO THE INSPECTOR PRIOR TO FINAL INSPECTION.

NOTICE OF REQUIREMENT FOR SPECIAL INSPECTION

You are hereby notified that, in addition to the inspection of construction provided by the Department of Planning and Land Use, Building Division, an approved registered special inspector is required to provide special inspection and/or structural observation during construction of the proposed project as indicated on this form. This form shall be completed. All work requiring special inspection must be identified as well as the name and phone number of the special inspector identified to perform the special inspections.

The registered special inspector shall be approved by the Building Offic al prior to the issuance of the building permit. Special inspectors having a current certification from the City of San Diego are approved as special inspectors for the type of construction for which they are certified.

Special inspection and/or structural observation requirements and reports shall be in compliance with the

The inspections required to be performed by a special inspector are in addition to and do not change the requirements for the inspections normally required by the 2007 California Building Code as amended and adopted by the County of San Diego and performed by the Building Division inspection personnel.

The special inspector is not authorized to inspect and approve any work other than that for which they are certified. The special inspector is not authorized to accept alternate materials, structural changes, or any requests for plan changes. The special inspector is required to submit to the building inspector in the field written reports of all work that they inspected and approved. Approval of final inspection will not be granted by the Department of Planning and Land Use, Building Division, until a last and final report documenting required special inspections and correction of any discrepancies noted in the inspection reports has been submitted to the building inspector in the field and approved by the Building Division.

For occupancies in Group R-3 and occupancies in Group U that are accessory to a residential occupancy, some exceptions are permitted per the Department of Planning and Land Use, Building Division special inspection policy to not require special inspection or to allow structural observation in lieu of the required special inspections. These exceptions are noted in the table on page two of this form. In cases where the design engineer of record has specified a more restrictive requirement for special inspection and/or structural observation, the project shall comply with the requirements of the engineer of record.

Structural observation is the visual observation of the structural system by a registered design professional. A letter shall be provided describing the results of structural observation prior to approval of final inspection. The letter shall be submitted to the building inspector in the field and approved by the Building Division.

THIS COMPLETED FORM MUST BE MADE A PERMANENT, PRINTED PART OF THE PLANS. Taped, glued, stapled, etc. copies will not be accepted)

5201 RUFFIN ROAD, SUITE B, SAN DIEGO, CA 92123 • (858) 565-5920 • (888) 336-7553 HTTP://WWW.SDCDPLU.ORG DPLU #006_REV 06/01/2009 Page 1 of 2

SPECIAL INSPECTION	AND LOCATION	STRENGTH	SPECIAL INSPECTOR	SPECIAL INSPEC
SPECIAL INSPE	CTIONS REQU	IRED BY C	BC SECTION 1704	
	PECIAL INSPECTION IS 2c, 3a (WHEN fm ≤ 1,5	NOT REQUIRED 00 psi), 3b (WHE	N WALL HEIGHT IS ≤ 10 FT.)	
1.) Steel Construction				
a.) Field welding			GARY HEINBACH	(951) 840 -5
b.) Steel frame*	N/A			
c.) High-strength bolts	PER PLAN		GARY HEINBACH	(951) 840-5
2.) Concrete Construction				, ,
a.) f _c	PER PLAN	4,500 psi	GARY HEINBACH GARY HEINBACH	(951) 840-5
b.) Anchors	PER PLAN	PER PLAN	GARY HEINBACH	(951) 840-5
c.) Structural slabs*	N/A			
d.) Pre-stressed / post-tensioned slabs	N/A			
3.) Masonry Construction	N/A			
a.) Masonry construction*	N/A			
b.) Site walls other than County Standard plans*	•			
4.) Wood Construction	N/A			
a.) High-load diaphragms*	·			
5.) Foundations				,
a.) Pile foundations	N/A			
b.) Pier foundations	PER PLAN	4,500 psi	GARY HEINBACH	(951) 840-5
6.) Sprayed fire-resistant materials*	N/A	·		
7.) Mastic and intumescent fire-resistant coatings*	N/A			
8.) Exterior insulation and finish systems (EIFS)*	N/A			
9.) Smoke control systems*	N/A			
10.) Special cases	•			
a.) MSE WALL CONSTUCTION	PER PLAN		GARY HEINBACH	(951) 840-5
b.)				
SPECIAL INSPECTIONS FOR	SEISMIC RESIS	STANCE RE	QUIRED BY CBC	SECTION 1707
*R-3 AND U OCC STRUCTURAL OBSERVATION	UPANCIES ACCESSO I IS PERMITTED IN LIE	RY TO RESIDEN EU OF SPECIAL I	TIAL OCCUPANCIES NSPECTION FOR ITEMS C A	IND D
A.) Field welding				
B.) Structural wood: field gluing of elements of the seismic-force-resisting system	N/A			
C.) Structural wood: nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system where fastener spacing of sheathing is 4 inches o.c. or less*	N/A			
D.) Cold-formed steel framing*	N/A			
E.) Pier foundations	N/A			
F.) Storage racks and access floors	N/A			
G.) Architectural components for structures greater than 30 feet in height	N/A			
H.) Designated seismic system verifications	N/A			
I.) Designated seismic system verifications	N/A			
J.) Seismic isolation system	N/A			

Page 2 of 2

LEGEND

SECTION A

(206.2)

CUT

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INDICATES NEW TOWER

VERTICAL PROFILE F.G. ELEV. ABOVE VERTICAL PROFILE E.G. ELEV. BELOW

NEW TRANSMISSION LINE (F.G.) FINISH GRADE CONTOURS

(E.G.) EXISTING GRADE CONTOURS

EXISTING GROUND ELEVATION FILL SLOPE 2:1 UNLESS SHOWN OTHERWISE

INDICATES EXISTING STEEL POLE

CUT SLOPE 2:1 UNLESS SHOWN OTHERWISE

RIDGE LINE

DAYLIGHT LINE DIRECTION OF FLOW

CUT/FILL LINE FILL

RIPRAP ENERGY DISSIPATOR, SEE DETAIL

CORRUGATED METAL PIPE WITH FLARED END SECTIONS, SEE PLANS FOR, PIPE SIZES, AND ENERGY DISSIPATOR.

CONCRETE DOWN DRAIN, SEE DETAIL

DROP OUTLET PER SDRSD D-16 TYPE B, INLET PIPE 24" AND OUTLET PIPE 12" DIAMETER

₹ CONCRETE DRAINAGE DITCH, SEE DETAIL DRAINAGE DITCH BEHIND MASONRY 3 3 3 5 CUT RETAINING WALL, SEE DETAIL

RETAINING WALL, FILL

RETAINING WALL, CUT

DETAIL LABEL (DETAIL #)

ABBREVIATIONS

EXISTING GRADE FINISHED GRADE

TOP OF WALL BOTTOM OF WALL AT FINISHED GROUND

FLOW LINE UP STREAM DOWN STREAM

CHECKED BY:

CAD NO.:

DATE:

PLOT SCALE: 1=1

CORRUGATED METAL PIPE

RELATIVE COMPACTION

BUREAU VERITAS

Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com

UNDERGROUND SERVICE ALERT

CALL: TOLL FREE

422-4133

"CAUTION": TWO WORKING DAYS BEFORE YOU DIG

THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL

NOTIFIES ONLY THOSE UTILITIES BELONGING TO

REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO

INFORM YOU OF WHOM THEY WILL NOTIFY.



WORK DONE

DATE BY: APP'D: NO. WORK DONE

REVISIONS DATE BY: APP'D: NO. DATE BY: APP'D: WORK DONE

DPLU #006 REV 06/01/2009

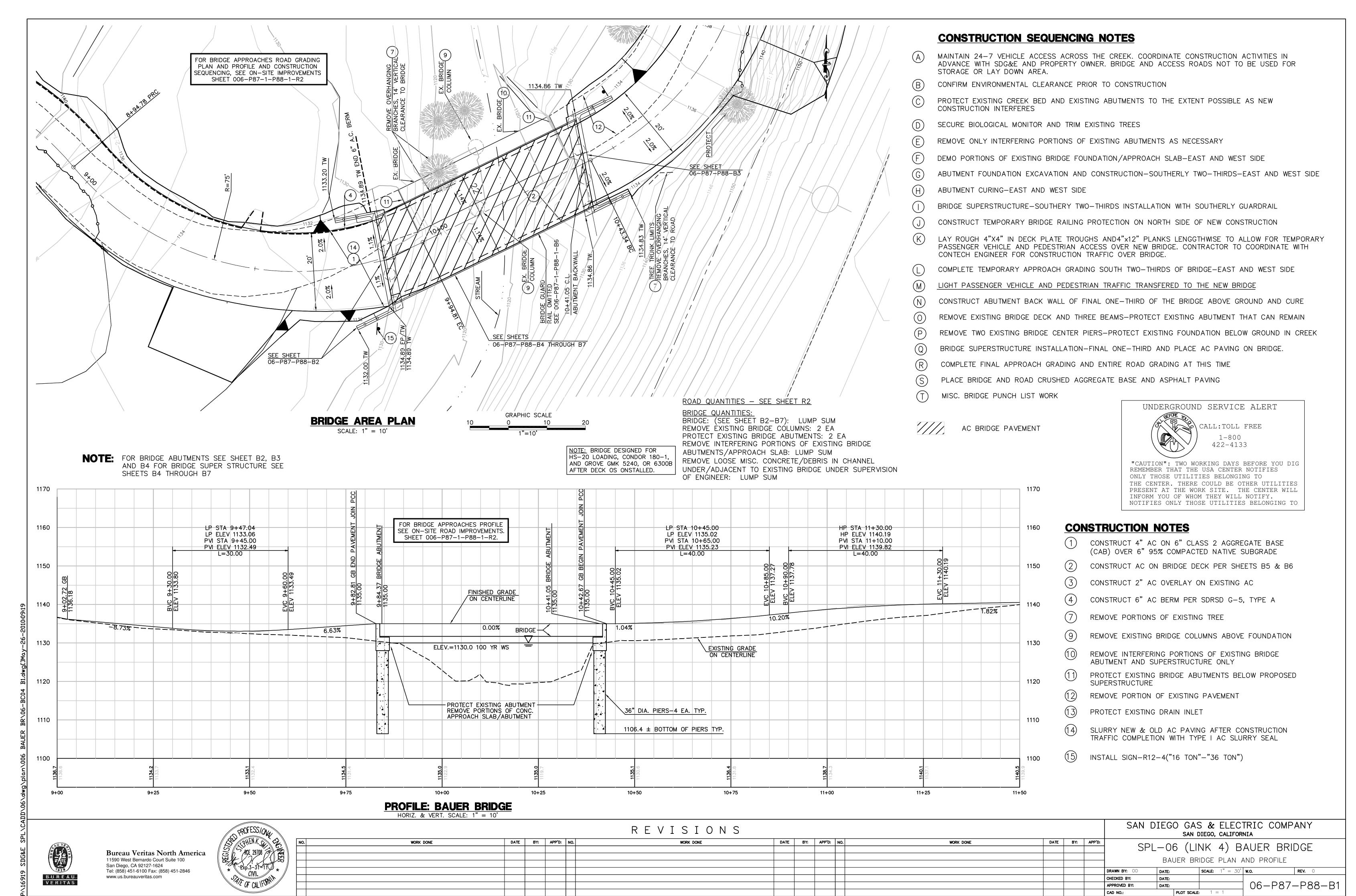
SAN DIEGO, CALIFORNIA SPL-06 (LINK 4) BAUER BRIDGE

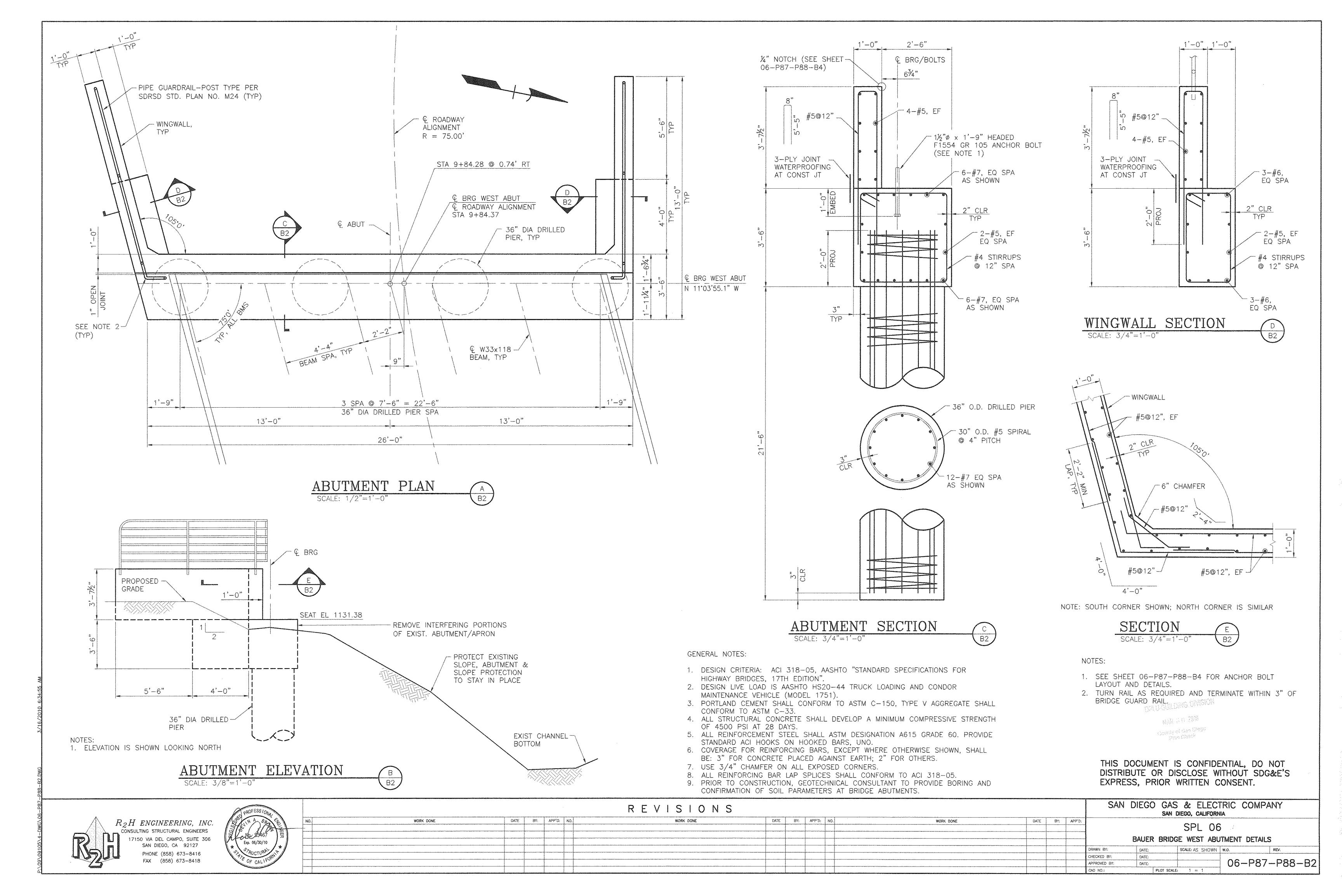
SAN DIEGO GAS & ELECTRIC COMPANY

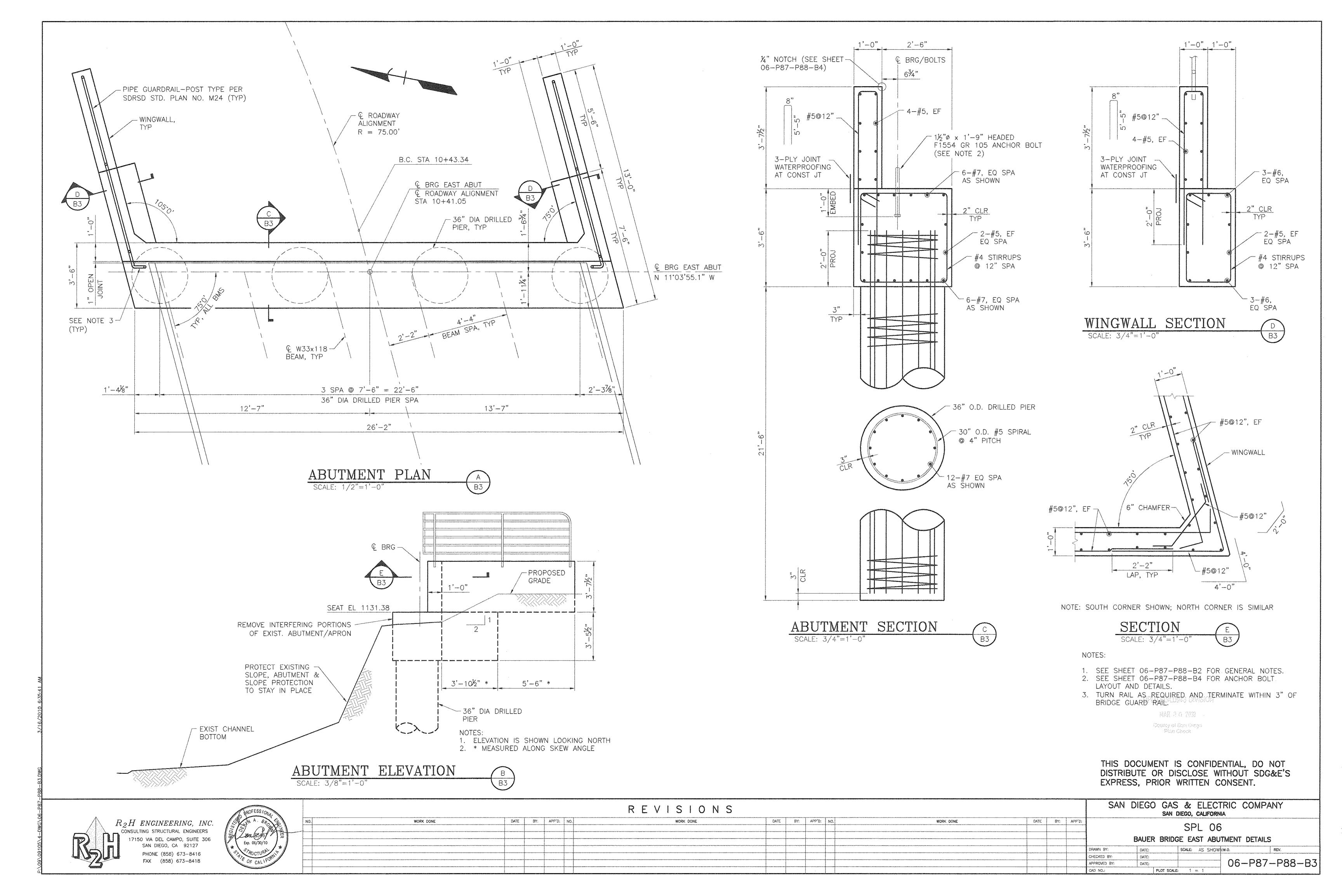
LEGEND & GENERAL NOTES

DATE: -/-/-

SPL-06-BC03







ABUTMENT REACTIONS (EXPANSION END)

(EXPANSION	ENU)
VERTICAL DEAD LOAD	92 KIPS
VERTICAL LIVE LOAD W/O/ IMPACT	120.8 KIPS
HORIZONTAL LOAD (WIND)	13.1 KIPS
THERMAL LOAD (LONGITUDINAL)	13.7 KIPS
HORIZONTAL LOAD (SEISMIC)	SEE NOTE

ABUTMENT REACTIONS (FIXED END)

VERTICAL DEAD LOAD	92 KIPS
VERTICAL LIVE LOAD W/O/ IMPACT	120.8 KIPS
HORIZONTAL LOAD (WIND)	13.1 KIPS
THERMAL LOAD (LONGITUDINAL)	13.7 KIPS
HORIZONTAL LOAD (SEISMIC)	SEE NOTE
LONGITUDINAL LOAD (SEISMIC)	SEE NOTE

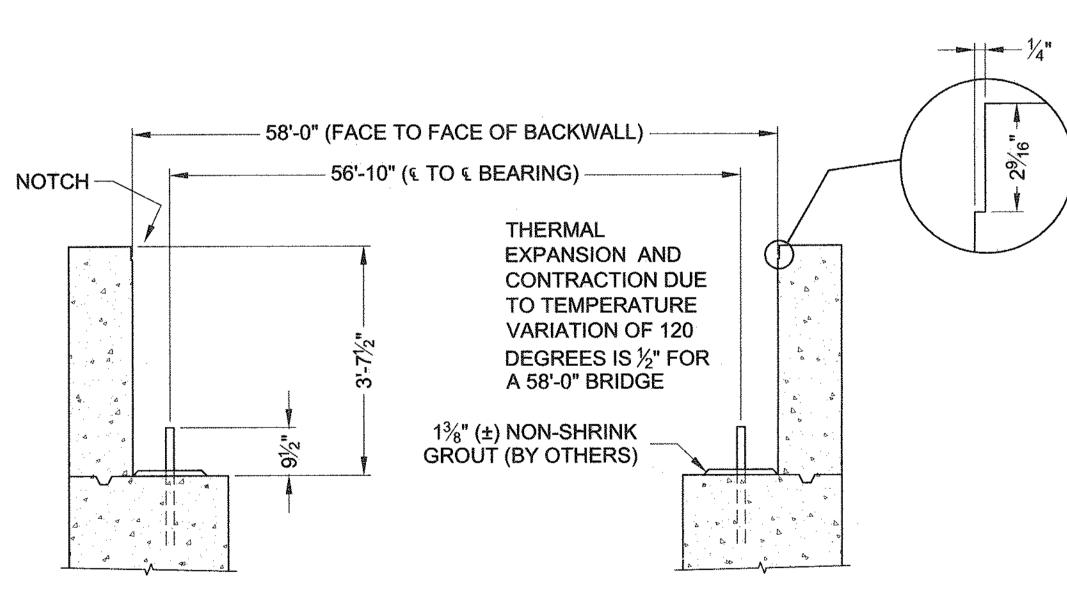
BRIDGE TOTAL WEIGHT =

184,000 LBS (INCLUDES ASPHALT)

MAXIMUM LIFTING WEIGHT = 25,400 LBS / PIECE

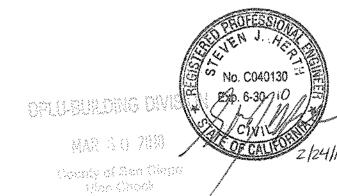
NOTE:

THIS BRIDGE HAS BEEN DESIGNED FOR SEISMIC FORCES BASED ON THE AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES: 17th EDITION." ASSUME SEISMIC PERFORMANCE CATEGORY D, AN ACCELERATION COEFFICIENT OF 0.4 AND A SOIL PROFILE TYPE III (S=1.5). IT SHALL BE THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THE FORCES WHICH ARE USED FOR FOUNDATION DESIGN, VERIFICATION OF ANCHOR BOLT SIZES, AND DESIGN OF ANCHOR BOLT EMBEDMENTS IN THE FOUNDATION. THESE FORCES ARE DETERMINED BASED ON LOCAL SITE CONDITIONS, THE FOUNDATION SYSTEM USED AND THE BRIDGE DEAD LOAD. IT IS ASSUMED THAT THE ENTIRE LONGITUDINAL SEISMIC LOAD IS RESISTED AT THE FIXED END ONLY.



CONTRACTROR NOTE:
CONCRETE ABUTMENT
TO BE NOTCHED FOR
PLACEMENT OF WE-300
COMPRESSION SEAL,
SUPPLIED & INSTALLED
BY CONTRACTOR
(TYP BOTH ENDS).

ANCHOR BOLT ELEVATION



ANCHOR BOLT PLAN

- 58'-0" (FACE TO FACE OF BACKWALL)

- 56'-10" (€ TO € BEARING) -

≰ ANCHOR BOLTS

CHECK

DIAGONAL

TO VERIFY

MEASUREMENT

SQUARENESS

ANCHOR BOLTS

BRIDGE &

ABUTMENT

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SAN DIEGO GAS & ELECTRIC COMPANY

CONSTRUCTION PRODUCTS INC.

www.contech-cpi.com

8301 State Highway 29 North, Alexandria, MN 56308

(24) Ø 1 1/2" F1554 GR 105 -GALV ANCHOR RODS

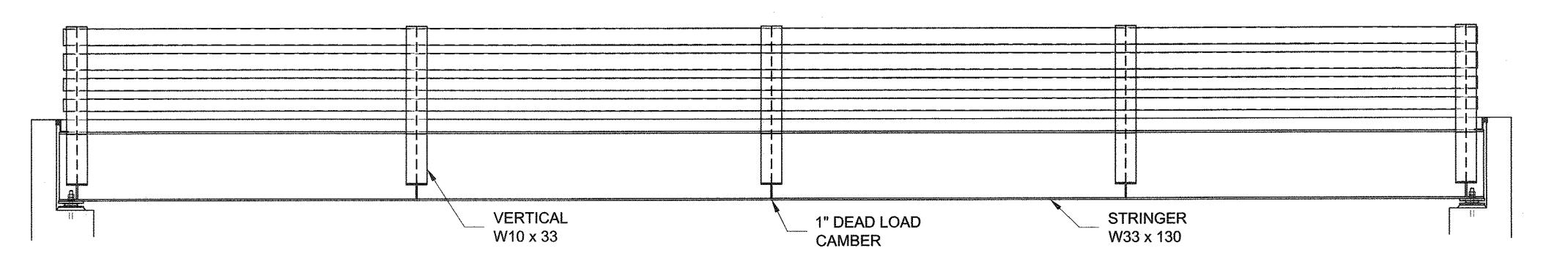
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					REVISIONS					SAN DIEGO GAS & EL SAN DIEGO, CAL	
No.	WORK DONE	DATE	BY:	APP'D: NO.	WORK DONE	DATE BY:	APP'D: NO.	WORK DONE	DATE BY: APP'D:		
1	REVISED STEP HEIGHT & STRINGER SIZE	11/12/0	3 MDM	S#H						BAUER I	SKIDGE
2	REVISED BEARING PAD	2/24/10	MDM	S.H L						ANCHOR BC	LT LAYOUT
1,00							<u></u>				
					·					DRAWN BY: MOM DATE: 10/12/09 SCALE:	.M.O. KEA.
									·	CHECKED BY: DATE:	
										APPROVED BY: DATE:	06-P87-P88-B4
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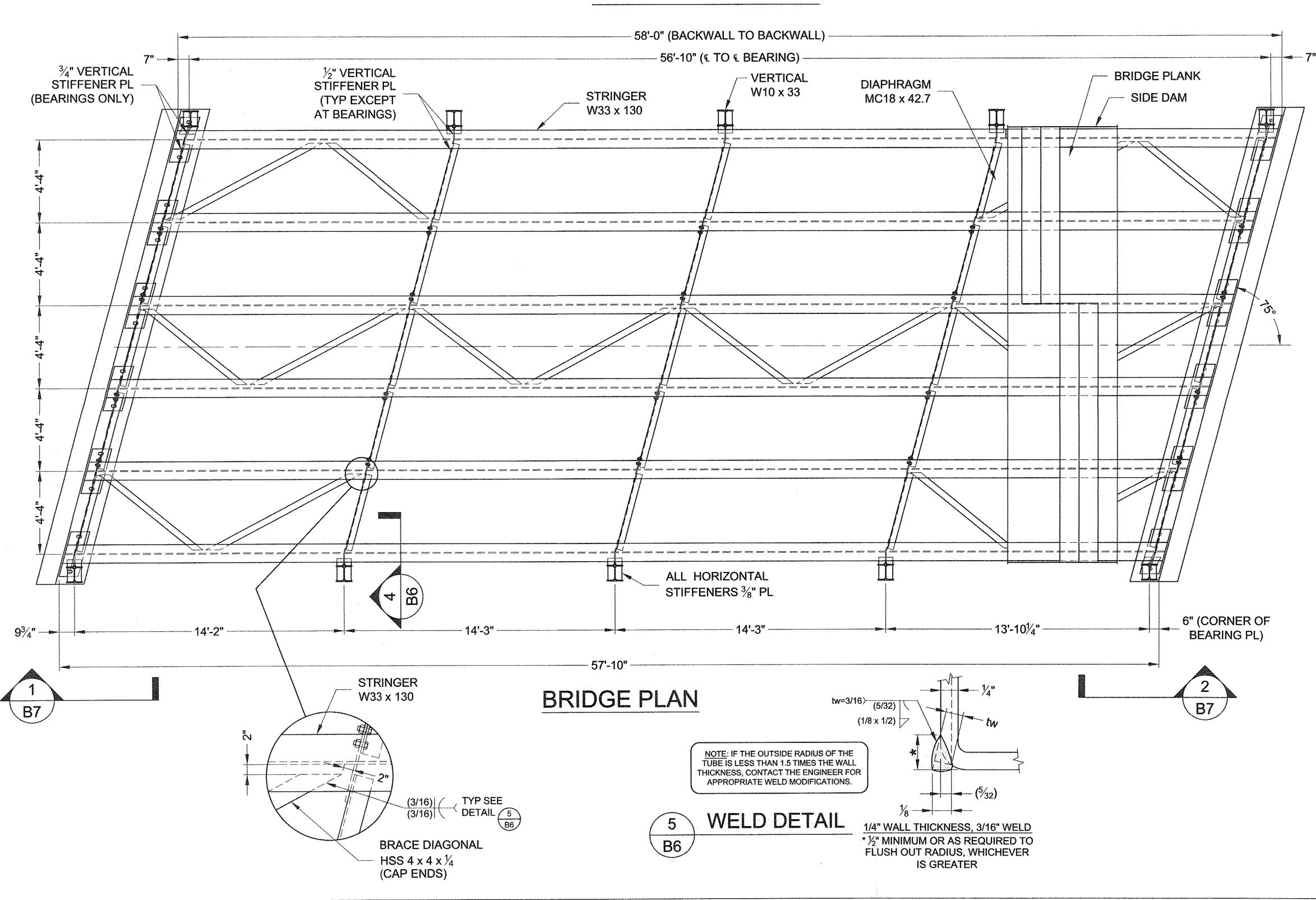
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BRIDGE ELEVATION



GENERAL NOTES

- 1. ALL DESIGN STRESSES ARE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION (HB-17), USING ALLOWABLE STRESS DESIGN
- 2. WELDING TO CONFORM WITH THE AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE, D1.1 FOR TUBULAR MEMBERS AND ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE FOR STRUCTURAL MEMBERS. LATEST REVISION. WELDING TO BE PERFORMED BY EXPERIENCED WELDERS QUALIFIED IN ACCORDANCE WITH A.W.S. PROCEDURES. WELDING ELECTRODES TO BE AWS E81T-X SERIES. SHOP WELD PROCESS TO BE FCAW. STRUCTURAL WELDS TO BE A MINIMUM OF 1/4" FILLET UNLESS SHOWN OTHERWISE. MINIMUM WELD SIZE DOES NOT APPLY TO SEAL WELDS. FILLER METAL TO COMPLY WITH AWS D1.5, TABLE 4.3.
- 3. ALL STRUCTURAL STEEL, PLATES, ANGLES AND OTHER CONNECTION MATERIAL TO BE ASTM A588 (A709, (AASHTO M270), GRADE 50W). CHARPY V-NOTCH TESTING REQUIRED FOR ALL MAIN STRINGER MEMBERS IN ACCORDANCE WITH ASTM 370, ZONE 2 FOR NON-FRACTURE CRITICAL.
- 4. ALL CONNECTION BOLTS SHALL BE 1/8" A325-SC TYPE 3 WITH A563 GR DH3 HEAVY HEX NUTS AND F436 TYPE 3 WASHERS UNLESS NOTED. FIELD CONNECTIONS SHALL BE MADE USING THE TURN-OF-NUT TIGHTENING METHOD IN ACCORDANCE WITH AISC, "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
- 5. EXPOSED STEEL SURFACES SHALL BE SHOP SAND BLASTED TO STEEL STRUCTURES PAINTING COUNCIL #7 'COMMERCIAL SANDBLAST FINISH'. EXPOSED SURFACES SHALL BE DEFINED AS THOSE SURFACES VISIBLE FROM THE DECK AND FROM EITHER SIDE OF THE STRUCTURE. AFTER CLEANING, CARE SHALL BE TAKEN TO KEEP SURFACES FREE OF OIL, GREASE, ASPHALT AND ALL OTHER FOREIGN MATERIAL TO ALLOW THE WEATHERING STEEL TO RUST EVENLY AFTER FABRICATION.
- 6. ANCHOR BOLTS TO BE GALVANIZED ASTM F1554 GRADE 105 WITH A563 NUTS AND F436 WASHERS. THE MINIMUM DISTANCE TO THE EDGE OF CONCRETE SHALL BE DETERMINED BY THE FOUNDATION ENGINEER. ANCHOR BOLTS MAY BE CAST IN PLACE OR EPOXY GROUTED IN DRILLED HOLES. ANCHOR BOLTS ARE PROVIDED BY OTHERS.
- 7. SETTING PLATES SHALL BE PLACED ON SHIMS. THE PREFORMED BEARING PADS AND THE BRIDGE SHALL THEN BE PLACED RESPECTIVELY ON THE SETTING PLATES. GROUTING SHOULD BE PERFORMED AFTER THE BRIDGE HAS BEEN PLACED TO ALLOW FOR FINAL VERTICAL ADJUSTMENT.
- 8. LENGTH OF ANCHOR BOLTS AND FOUNDATION DETAILS ARE FOR GENERAL ARRANGEMENT PURPOSES ONLY. ACTUAL FOUNDATION AND SUBSTRUCTURE DESIGN, APPROACH RAILING, GROUNDING AND CLEARANCES, (FLOOD PLAIN, ROADWAY, AND WATERWAY) ARE THE RESPONSIBILITY OF OTHERS.
- 9. THE BRIDGE SHALL BE SUPPLIED WITH 4 1/4" DEEP 7 GAGE GALVANIZED
- 10. BRIDGE SHALL BE FABRICATED BY A FABRICATOR WHO IS CURRENTLY CERTIFIED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION TO HAVE THE PERSONNEL, ORGANIZATION, EXPERIENCE, CAPACITY, AND COMMITMENT TO PRODUCE FABRICATED STRUCTURAL STEEL FOR THE CATEGORY "MAJOR STEEL BRIDGES" AS SET FORTH IN THE AISC CERTIFICATION PROGRAM WITH FRACTURE CRITICAL ENDORSEMENT. QUALITY CONTROL SHALL BE IN ACCORDANCE WITH PROCEDURES OUTLINED FOR AISC CERTIFICATION.

DESIGN CRITERIA

- (1) DEAD LOAD CONSISTING OF STEEL SELFWEIGHT, BRIDGE PLANKING AND ASPHALT DECK WITH A UNIT WEIGHT OF 135 PCF.
- (2) HS20 AASHTO LIVE LOADING WITH IMPACT, (2 LANES) OR (1)158,353 LB SIX AXLE VEHICLE.
- (3) 450 PLF WIND LOADING.
- (4) SEISMIC LOADING IN ACCORDANCE WITH AASHTO (ACCELERATION COEFFICIENT (A) = 0.4, SITE COEFFICIENT (S) = 1.5).
- (5) AASHTO DAILY TRUCK TRAFFIC, (ADTT), OF 2500 OR LESS WITH 100,000 CYCLES OF MAXIMUM STRESS.
- (6)12 PSF DEAD LOAD ALLOWABLE FOR 1" FUTURE ASPHALT OVERLAY.



DATE BY: APP'D;

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SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA

BAUER BRIDGE **BRIDGE GENERAL NOTES, ELEVATION & PLAN**

CONSTRUCTION PRODUCTS INC.

8301 State Highway 29 North, Alexandria, MN 56308

800-328-2047 320-852-7500 320-852-7067 FAX

REVISED STEP HEIGHT, & STRINGER SIZE REVISED BEARING PAD REVISED CRANE LOAD NOTE

WORK DONE

2/24/10 MDM SJH -4/9/10 MDM SJH

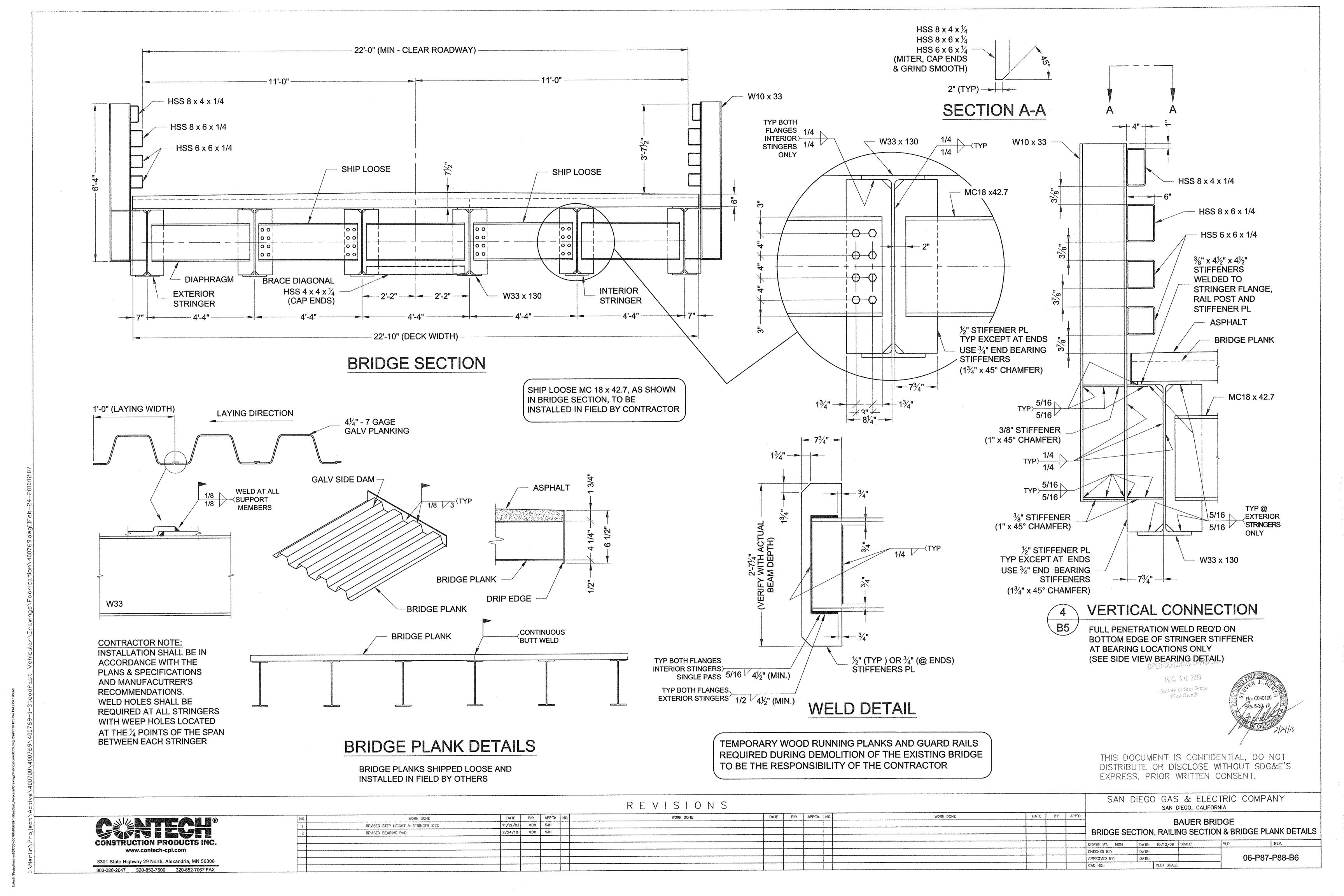
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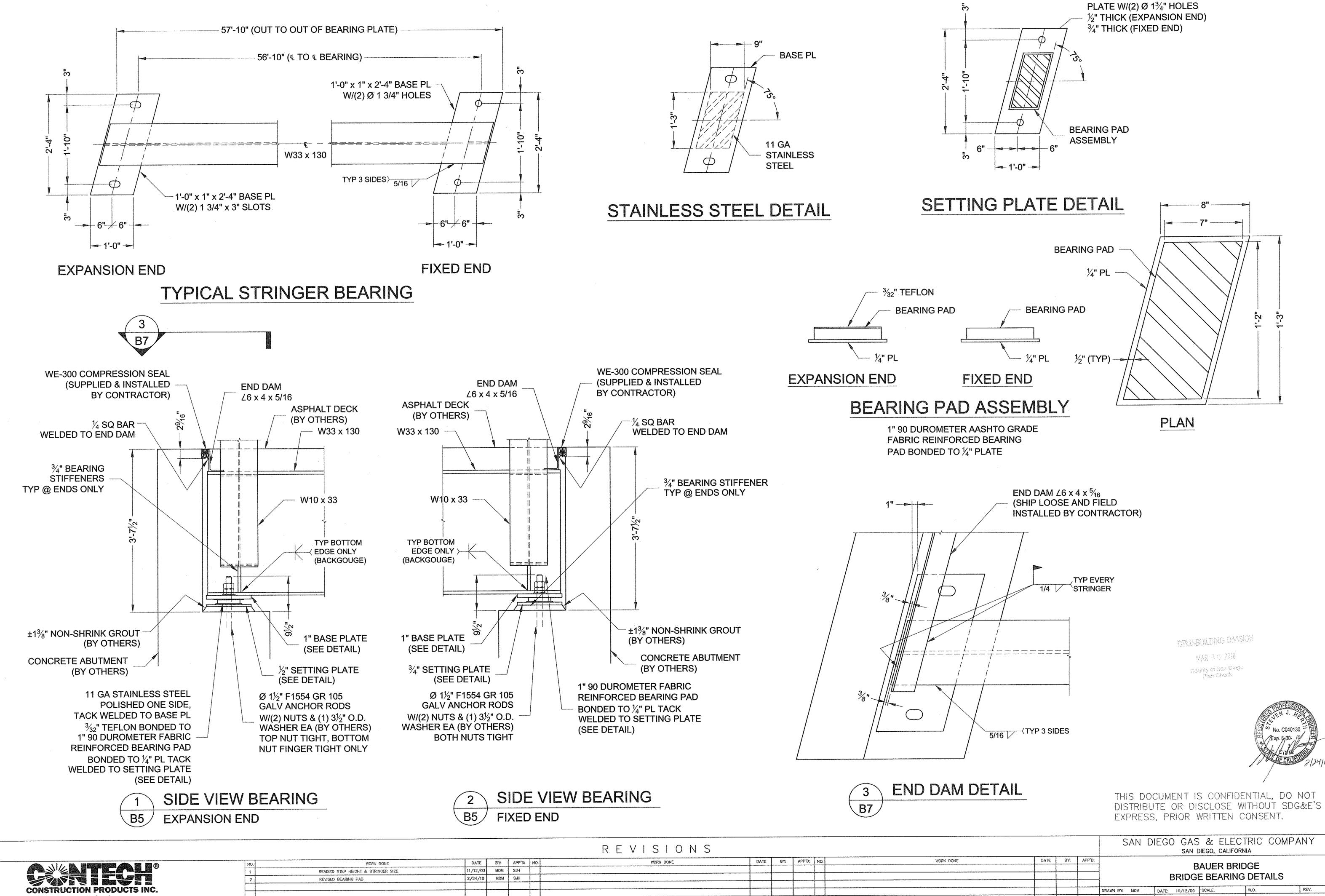
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WORK DONE

DATE: 10/12/09 SCALE: CHECKED BY: DATE: PLOT SCALE:

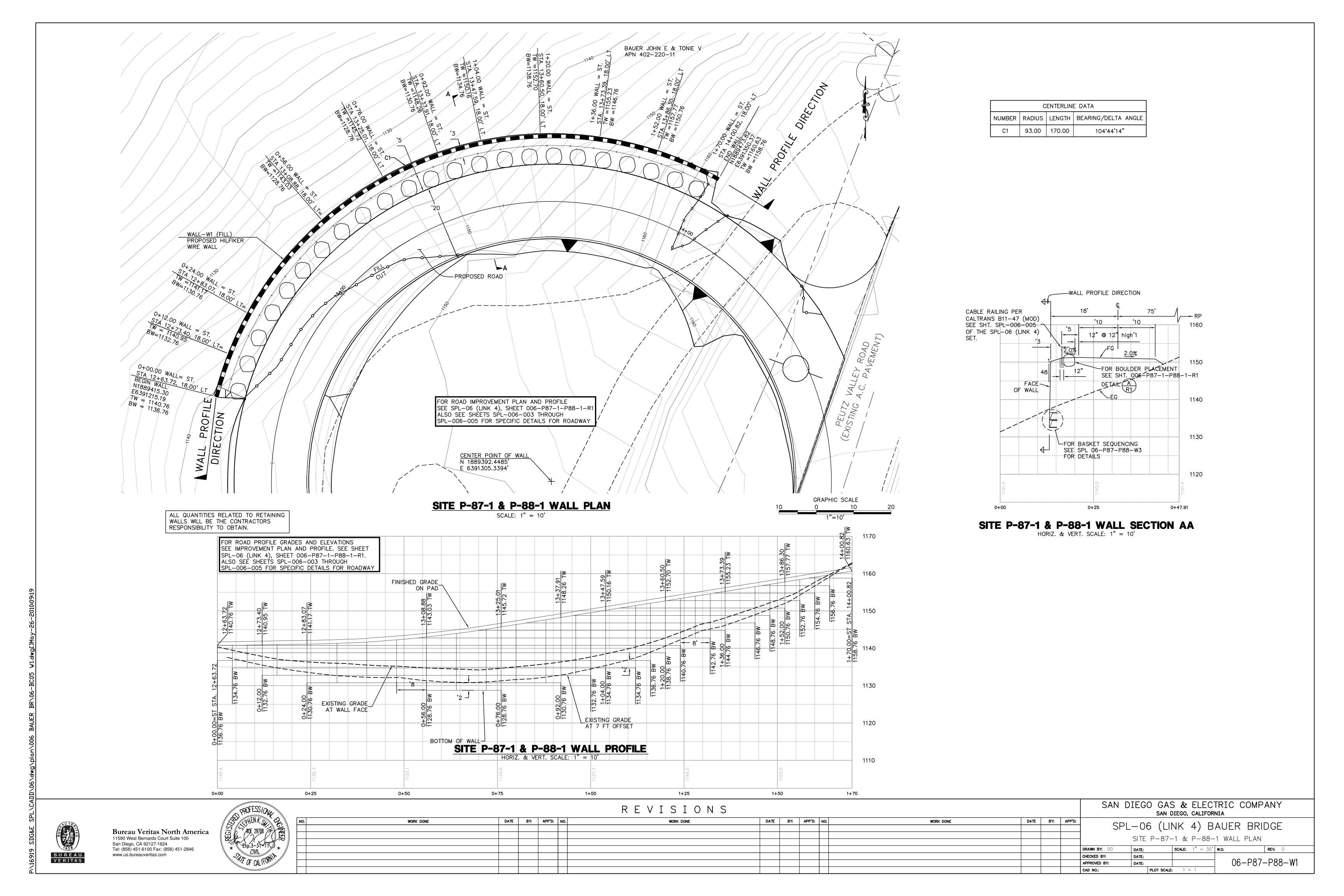
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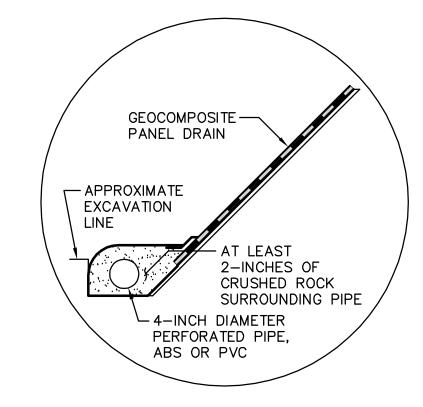




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06-P87-P88-B7 PLOT SCALE:





ROCK BLANKET ALTERNATIVE

GEOCOMPOSITE PANEL ALTERNATIVE

WALL BACK DRAINAGE NOTES:

- 1. PERFORATED PIPE SHOULD OUTLET THROUGH A SOLID PIPE TO A FREE GRAVITY OUTFALL AT MAX 100' SPACING. PERFORATED PIPE AND OUTLET PIPE SHOULD HAVE A FALL OF AT LEAST 2%.
- 2. FILTER FABRIC SHOULD CONSIST OF MIRAFI 140N, OR SIMILAR APPROVED PRODUCT. FILTER FABRIC SHOULD BE OVERLAPPED PER MANUFACTURES INSTRUCTIONS.
- 3. DRAIN INSTALLATION SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO BACK FILLING.
- 4. SUBSURFACE BACK DRAINAGE MAY BE REDUCED IF THE SOILS USED IN THE REINFORCED AND RETAINED ZONES ARE RELATIVELY "FREE DRAINING" AS APPROVED BY GEOTECHNICAL ENGINEER. CONTRACTOR TO ASSUME 20 PERCENT OF WALL SQUARE FOOTAGE REQUIRES BACK DRAINAGE.
- 5. IF ROCK BLANKET BACK DRAIN ROCK IS SUBSTITUTED WITH CALTRANS CLASS II PERMEABLE AGGREGATE THE FILTER FABRIC CAN BE ELIMINATED.

MSE WALL BACKFILL NOTES:

- 1. CONTRACTOR IS ADVISED THAT MOST ONSITE SOILS WILL BE VIABLE FOR MSE WALL BACKFILL UTILIZING 3" TO 4" BAR SCREEN TO CONFORM SOILS TO FOLLOWING TABLE BELOW CARE SHOULD BE TAKEN TO SELECT BACKFILL MATERIAL THAT IS FREE OF EXCESSIVE FINES AND ORGANIC MATERIAL.
- 2. CONTRACTOR TO OBTAIN GEOTECHNICAL APPROVAL OF BOTTOM CUT AND 7' OFFSET FROM SLOPE FACE PRIOR TO PLACEMENT OF ANY GEOGRID OR WIRE MATS. MSE RETAINING WALLS SHOULD BE FOUNDED ON PROPERLY COMPACTED OR RELATIVELY UNDISTURBED WEATHERED GRANITIC ROCK MATERIALS AS APPROVED BY THE GEOTECHNICAL ENGINEER.
- 3. GEOTECH ENGINEER AND MANUFACTURER'S REPRESENTATIVE SHALL OBSERVE AND APPROVE BACKFILL MATERIALS AND PROCEDURES DURING BACKFILL AND CONSTRUCTION

CONSTRUCT 36" HIGH CABLE RAILING . FINISHED PAD GRADE PER CALTRANS B11-47 W/ 12" DIA. WALL LAYOUT PER PROJECT PLANS BY 2' DEEP CONC. POSTS. LINE 12" MIN CAP MAT __1% MIN TOP OF WALL PRONGLESS MAT TOP LIFT ONLY BATTER VERTICAL GEOGRID WALL 1:48 - BACKFILL PER NOTES HEREON. USE BAR SCREEN TO PROVIDE 3"-6" ROCK FOR FACING BASKETS. OR SIMILAR FILTER FABRIC TYP. MATERIAL APPROVED BY THE ENGINEER. ----STANDARD FACING MATS TYP. — COMPACTED COMMERCIALLY BACKFILL PER GALVANIZED SLOPE BACK CUT-NOTES HEREON PER CONTRACTOR ASSUME 3/4:1 AVERAGE 山 12" MIN SELECT GRANULAR POROUS SOIL 2' TYPICAL TO THE SATISFACTION OF THE ENGINEER OR GEOCOMPOSITE ALTERNATIVE AS SHOWN IN DETAILS ABOVE. -—EXISTING GRADE NOTE: USE SF90 GEOGRID ON LOWER LAYERS FOR WALLS 32' AND TALLER PER TABLE AT RIGHT 2' MIN

6" SOLID WALL HDPE @ 2% MIN

TYPICAL HILFIKER WELDED WIRE WALL SECTION

DAYLIGHT TO FACE OF SLOPE

-B = BASE DEPTH OF WALL ---

AT LOW POINTS

MSE WALL BACKFILL GRADATION REQUIREMENTS

	·
SEIVE SIZE	RECOMMENDED GRADATION PERCENT PASSING BY WEIGHT
100mm (4 INCH)	100-75
4.76mm (NO. 4)	20-100
0.425mm (NO. 40)	0-60
0.075mm (NO. 200)	0-35
PLASTICITY INDEX (PI)	< 20

a. A PI < 8 IS RECOMMENDED TO MINIMIZE EXPANSIVE POTENTIAL AND PROVIDE SUITABLE DRAINAGE CHARACTERISTICS

b. mm - MILLIMETERS

MSE WALL GEOGRID LENGTHS

PRELIMINARY 0 = 35°	' MIN. SOIL DESIGN PARAMETERS DENSITY < 130 PCF
HEIGHT (FT)	B= BASE DEPTH OF WALL
8'	9'
10'	10'
12'	10'
14'	12'
16'	13'
18'	15'
20'	16'
22'	18'
24'	20'
26'	21'
28'	23'
30'	24'
32'	26'-2-14*

* B DIST. - BOTTOM GRIDS WITH SF90 GEOGRID - TOP REMAINING GRIDS WITH SF65 GEOGRID

MSE WALL GEOGRID SPECIFICATIONS

WWW.SYNTEEN.COM, OR EQUAL APPROVED BY ENGINEER

<u>SF 90</u> SOIL REINFORCEMENT GEOGRID UNIAXIAL GEOGRID THE STRENGTH IS IN THE LENGTH DIRECTION

SF 90 IS COMPOSED OF HIGH MOLECULAR WEIGHT, HIGH TENACITY MULTIFILAMENT POLYESTER YARNS THAT ARE WOVEN INTO A STABLE NETWORK PLACED UNDER TENSION. THE HIGH STRENGTH POLYESTER YARNS ARE COATED WITH A PVC MATERIAL. SF SERIES GEOGRIDS ARE INERT TO BIOLOGICAL DEGRADATION AND ARE RESISTANT TO NATURALLY ENCOUNTERED CHEMICALS, ALKALIS AND ACIDS. SF SERIES GEOGRIDS ARE TYPICALLY USED FOR SOIL REINFORCEMENT APPLICATIONS SUCH AS RETAINING WALLS, STEEPENED SLOPES, EMBANKMENTS, SUBGRADE STABILIZATION, AND EMBANKMENTS OVER SOFT SOILS AND WASTE CONTAINMENT APPLICATIONS.

TENSILE PROPERTIES	TEST METHOD	MARV VALUES (LBS/FT)
ULTIMATE STRENGTH	ASTM D 6637	8500
CREEP LIMITED STRENGTH	ASTM D 5262	5483
TAL = LONG TERM DESIGN STRENGTH	NCMA 97 *	4747
APERTURE SIZE (INS.)	MEASURED	0.75 x 0.75 OR SITE SPECIFIC AS REQUIRED

REDUCTION FACTOR FOR CREEP 1.55, REDUCTION FACTOR FOR DURABILITY 1.10 REDUCTION FACTOR FOR INSTALLATION DAMAGE (TYPE 3 SOIL) 1.05

FHWA/AASHTO REDUCTION FACTOR FOR CREEP 1.55, REDUCTION FACTOR FOR DURABILITY 1.15, REDUCTION FACTOR FOR INSTALLATION DAMAGE (TYPE 3 SOIL) 1.03

GRI GG4B REDUCTION FACTOR FOR CREEP 1.75, REDUCTION FACTOR FOR DURABILITY 1.10 REDUCTION FACTOR FOR INSTALLATION DAMAGE (TYPE 3 SOIL) 1.05

WWW.SYNTEEN.COM, OR EQUAL APPROVED BY ENGINEER

<u>SF 65</u> SOIL REINFORCEMENT GEOGRID UNIAXIAL GEOGRID THE STRENGTH IS IN THE LENGTH DIRECTION

SF 65 IS COMPOSED OF HIGH MOLECULAR WEIGHT, HIGH TENACITY MULTIFILAMENT POLYESTER YARNS THAT ARE WOVEN INTO A STABLE NETWORK PLACED UNDER TENSION. THE HIGH STRENGTH POLYESTER YARNS ARE COATED WITH A PVC MATERIAL. SF SERIES GEOGRIDS ARE INERT TO BIOLOGICAL DEGRADATION AND ARE RESISTANT TO NATURALLY ENCOUNTERED CHEMICALS, ALKALIS AND ACIDS. SF SERIES GEOGRIDS ARE TYPICALLY USED FOR SOIL REINFORCEMENT APPLICATIONS SUCH AS RETAINING WALLS. STEEPENED SLOPES. EMBANKMENTS. SUBGRADE STABILIZATION, AND EMBANKMENTS OVER SOFT SOILS AND WASTE CONTAINMENT APPLICATIONS.

FEBRUARY, 2006

TEBROART, 2000		
TENSILE PROPERTIES	TEST METHOD	MARV VALUES (LBS/FT)
ULTIMATE STRENGTH	ASTM D 6637	6000
CREEP LIMITED STRENGTH	ASTM D 5262	3871
TAL = LONG TERM DESIGN STRENGTH	NCMA 97	3373
APERTURE SIZE (INS.)	MEASURED	0.75 × 0.75

DRAWN BY: 00

DATE:

CHECKED BY:

RF CREEP - 1.55

RF DURABILITY - 1.10

RF INSTALLATION DAMAGE (SOIL TYPE 3) - 1.05

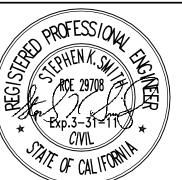
NOTE: SEE ADDITIONAL DETAILS ON SHEETS W3 & W4

BUREAU VERITAS

Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com

4"DRAINAGE SYSTEM

PER DETAIL



DATE BY: APP'D: NO. WORK DONE

EXISTING GRADE

7' OFFSET

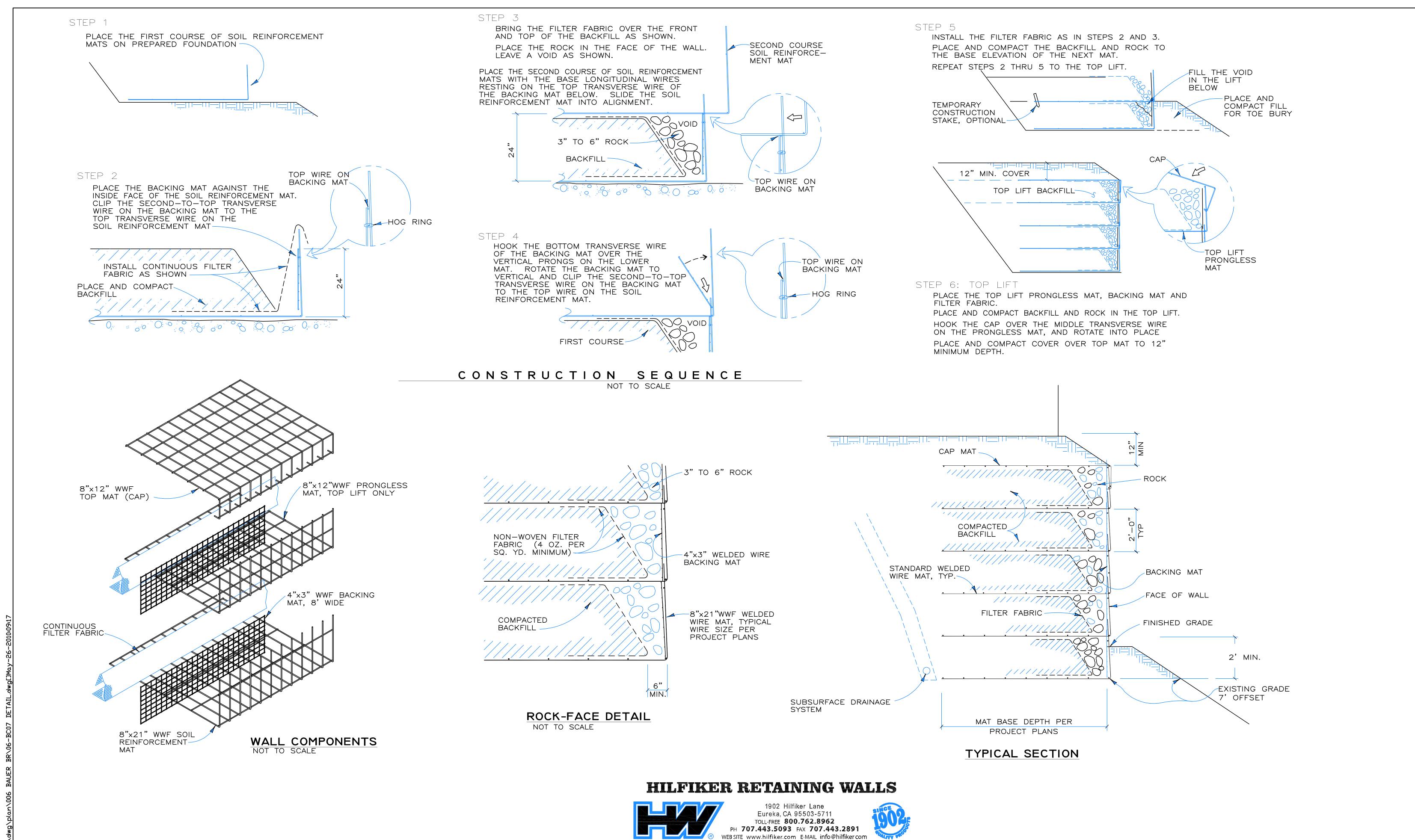
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DATE BY: APP'D: NO. DATE BY: APP'D: WORK DONE

SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA SPL-06 (LINK 4) BAUER BRIDGE Detail Sheet

PLOT SCALE: 1 = 1

SCALE: NTS W.O. REV. O 06-P87-P88-W2









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SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA SPL-06 (LINK 4) BAUER BRIDGE

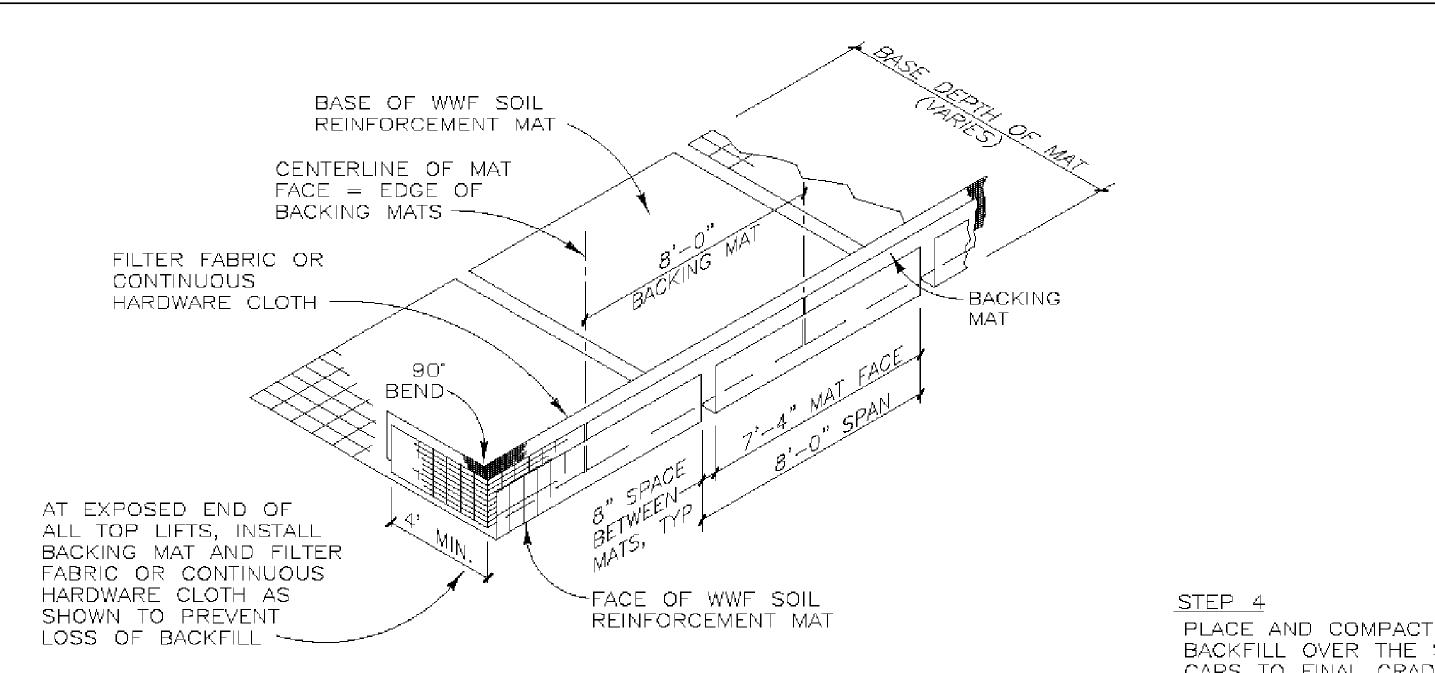
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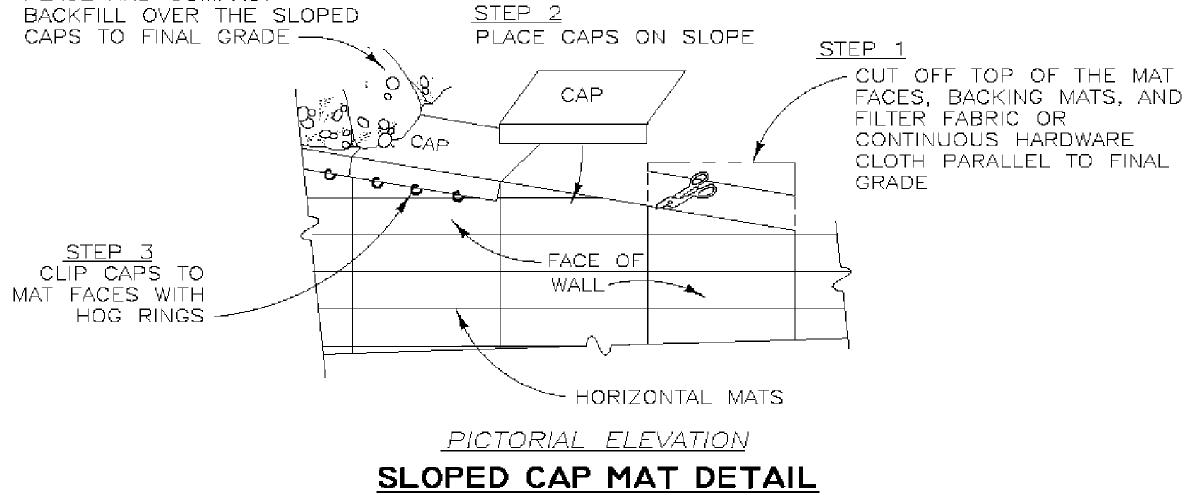
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ISOMETRIC VIEW

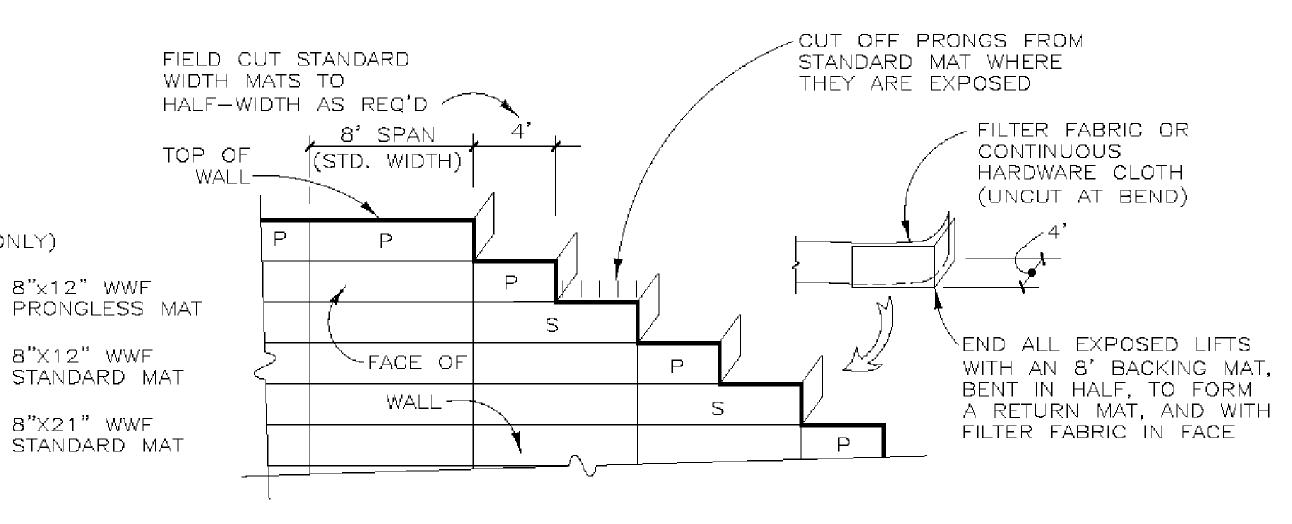
WELDED WIRE WALL COMPONENTS WITH RETURN MAT NOT TO SCALE

--COBBLE OR ROCK FREE-DRAINING / / / GRANULAR BACKFILL --4"x3" WELDED WIRE NON-WOVEN FILTER BACKING MAT FABRIC (4 OZ. PER (HARDWARE CLOTH IS SQ. YD. MINIMUM) NOT USED WITH FILTER FABRIC) LEGEND (THIS DETAIL ONLY) ~8"x21" WWF WELDED WIRE MATS, WIRE SIZE PER PROJECT PLANS



STEP 2

NOT TO SCALE



RETURN MATS AND TOP OF WALL DETAIL NOT TO SCALE

HILFIKER RETAINING WALLS



1902 Hilfiker Lane
Eureka, CA 95503-5711
TOLL-FREE **800.762.8962**PH **707.443.5093** FAX **707.443.2891**WEB SITE www.hilfiker.com E-MAIL info@hilfiker.com



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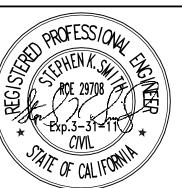
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2'-0" MIN.

ROCK FACING DETAIL

<u>SECTION</u>

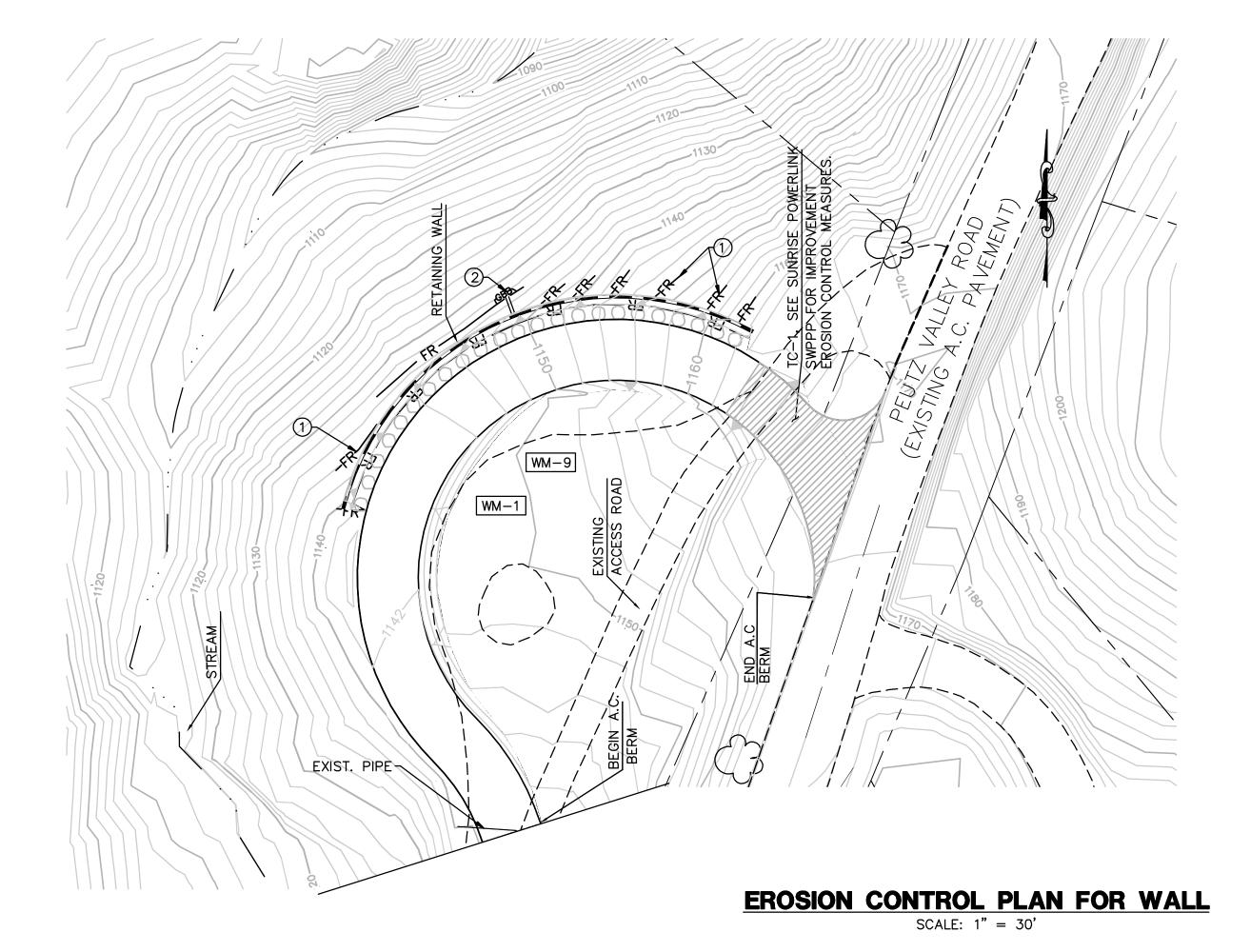
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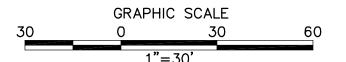
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SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA SPL-06 (LINK 4) BAUER BRIDGE

Detail Sheet SCALE: NTS W.O. REV. O DATE:

06-P87-P88-W4 PLOT SCALE: 1 = 1





CALTRANS/ **LEGEND** SDG&E WATER QUALITY CONSTRUCTION BMP SEE CON. DESCRIPTION NOTE # MANUAL STD. DWG. SYMBOL GRADED SWALE FIBER ROLLS SC-5/BMP 1-03 — FR—— GRAVEL BAG BERM SC-6/BMP 1-04 MATERIAL DELIVERY & STORAGE WM-1 WM-9 SANITARY WASTE MANAGEMENT

CONSTRUCTION NOTES

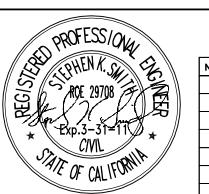
- 1 INSTALL FIBER ROLLS. SEE BMP SHEETS SC-5/BMP 1-03 FOR INSTALLATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES.
- 2 INSTALL GRAVEL BAG BERM, TWO BAGS HIGH AT SUBDRAIN OUTLET PIPE. SEE BMP SHEETS SC-6/BMP 1-04 FOR INSTALLATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES.

EROSION AND SEDIMENT CONTROL NOTES:

- 1. FOR BMP SHEETS REFER TO CALTRANS (MARCH 2003) AND SDG&E WATER QUALITY CONSTRUCTION BEST MANAGEMENT PRACTICES MANUAL (DECEMBER 2002) AND PROJECT'S FINAL APPROVED SWPPP.
- 2. CONTRACTOR TO IMPLEMENT STREET SWEEPING AND VACUUMING (PER BMP SHEET SC-7/BMP 1-07) ALONG ALL AREAS OF SOIL DISTURBANCE ALONG THE EXISTING ROADWAY.
- 3. VEHICLE AND EQUIPMENT CLEANING, FUELING, AND/OR MAINTENANCE (PER BMP SHEETS NS-8/BMP 3-03, NS-9/BMP 3-04, AND NS-10 RESPECTIVELY) SHALL NOT BE PERFORMED ON SITE.
- 4. IF DISCHARGES FROM IRRIGATION LINES, POTABLE WATER LINES, OR HYDRANT FLUSHING OCCUR ONSITE, CONTRACTOR MUST IMPLEMENT POTABLE WATER/IRRIGATION PER BMP SHEET NS-7, AS NECESSARY.
- 5. CONTRACTOR ALSO TO IMPLEMENT THE FOLLOWING CONSTRUCTION BMPS, AS NECESSARY:
- SCHEDULING, PER BMP SHEETS EC-1/BMP 1-01
- WIND EROSION CONTROL, PER BMP SHEETS WE-1/BMP 4-08 - WATER CONSERVATION PRACTICES, PER BMP SHEET NS-1
- ILLICIT CONNECTION/DISCHARGE, PER BMP SHEETS NS-6/BMP 2-06
- 6. NO WORK HAVING THE POTENTIAL TO CAUSE WATER POLLUTION, AS DETERMINED BY THE ENGINEER, SHALL BE PERFORMED UNTIL THE SWPPP HAS BEEN SUBMITTED TO THE ENGINEER BY THE CONTRACTOR, AND APPROVED.
- 7. THE CONTRACTOR SHALL CONSIDER OTHER CONTROL MEASURES, AS NECESSARY, TO SUPPLEMENT THE CRITICAL TEMPORARY CONTROL MEASURES SHOWN ON THESE PLANS, IN ORDER TO MEET THE POLLUTION CONTROL OBJECTIVES OF THE SWPPP.

B U R E A U V E R I T A S

Bureau Veritas North America
11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com



REVISIONS DATE BY: APP'D: NO. DATE BY: APP'D: NO. WORK DONE WORK DONE SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA

DATE BY: APP'D: EROSION CONTROL PLANS FOR SPL-06 (LINK 4)

DATE:

DATE:

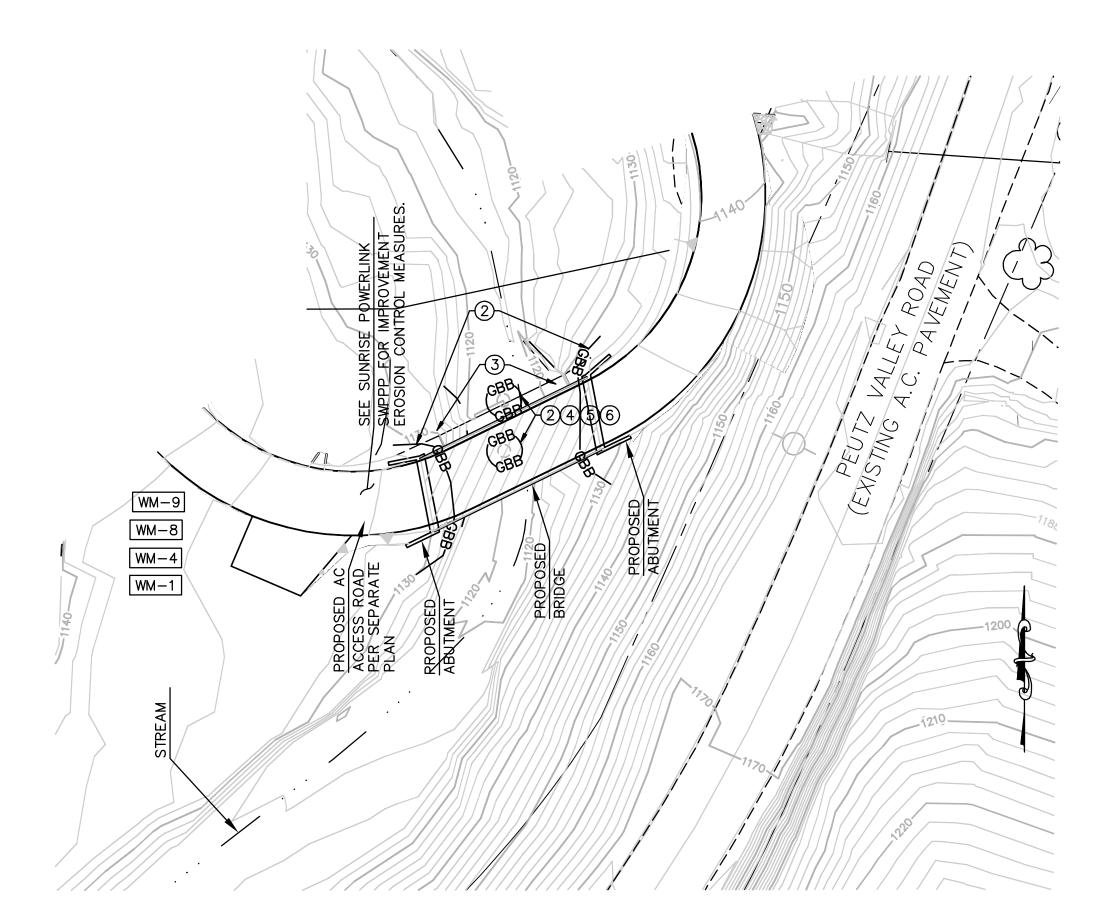
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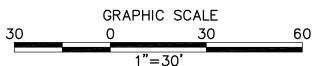
ACCESS ROAD TO SITES P-87-1 & P-88-1

REV. 0 SPL 06-BEC01 PLOT SCALE: 1 = 1



EROSION CONTROL PLAN FOR BRIDGE

SCALE: 1" = 30'



WORK DONE

CALTRANS/ **LEGEND** SDG&E WATER QUALITY CONSTRUCTION BMP SEE CON. DESCRIPTION NOTE # MANUAL STD. DWG. SYMBOL GRADED SWALE GRAVEL BAG BERM SC-6/BMP 1-04 — GBB — 3 STREAMBANK STABILIZATION SS-12 STRUCTURE DEMOLITION/REMOVAL NS-15 OVER OR ADJACENT TO WATERS OVER-WATER PROTECTION BMP 3-08 6 CLEAR WATER DIVERSION NS-5 WM-1 MATERIAL DELIVERY & STORAGE WM-1WM-4 SPILL PREVENTION AND CONTROL WM-48-MW CONCRETE WASTE MANAGEMENT 8-MWWM-9 SANITARY WASTE MANAGEMENT WM-9

CONSTRUCTION NOTES

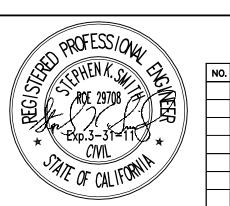
- 2 INSTALL GRAVEL BAG BERM, TWO BAGS HIGH. SEE BMP SHEETS SC-6/BMP 1-04 FOR INSTALLATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES.
- 3 INSTALL STREAMBANK STABILIZATION. SEE BMP SHEET SS-12 FOR APPLICATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES
- 4 PERFORM STRUCTURE DEMOLITION/REMOVAL OVER OR ADJACENT TO WATERS. SEE BMP SHEET NS-15 FOR APPLICATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES.
- (5) INSTALL OVER-WATER PROTECTION. SEE BMP SHEET BMP 3-08 FOR APPLICATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES.
- 6 INSTALL CLEAR WATER DIVERSION. SEE BMP SHEET NS-5 FOR APPLICATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES.

EROSION AND SEDIMENT CONTROL NOTES:

- 1. FOR BMP SHEETS REFER TO CALTRANS (MARCH 2003) AND SDG&E WATER QUALITY CONSTRUCTION BEST MANAGEMENT PRACTICES MANUAL (DECEMBER 2002) AND PROJECT'S FINAL APPROVED SWPPP.
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- WIND EROSION CONTROL, PER BMP SHEETS WE-1/BMP 4-08
 WATER CONSERVATION PRACTICES, PER BMP SHEET NS-1
- ILLICIT CONNECTION/DISCHARGE, PER BMP SHEETS NS-6/BMP 2-06
- 6. NO WORK HAVING THE POTENTIAL TO CAUSE WATER POLLUTION, AS DETERMINED BY THE ENGINEER, SHALL BE PERFORMED UNTIL THE SWPPP HAS BEEN SUBMITTED TO THE ENGINEER BY THE CONTRACTOR, AND APPROVED.
- 7. THE CONTRACTOR SHALL CONSIDER OTHER CONTROL MEASURES, AS NECESSARY, TO SUPPLEMENT THE CRITICAL TEMPORARY CONTROL MEASURES SHOWN ON THESE PLANS, IN ORDER TO MEET THE POLLUTION CONTROL OBJECTIVES OF THE SWPPP.

BUREAU VERITAS

Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com



REVISIONS

WORK DONE

DATE BY: APP'D: NO.

WORK DONE

DATE BY: APP'D: NO.

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

DATE BY: APP'D: EROSION CONTROL PLANS FOR

SPL-06 (LINK 4) BAUER BRIDGE

CHECKED BY:

CAD NO.:

APPROVED BY:

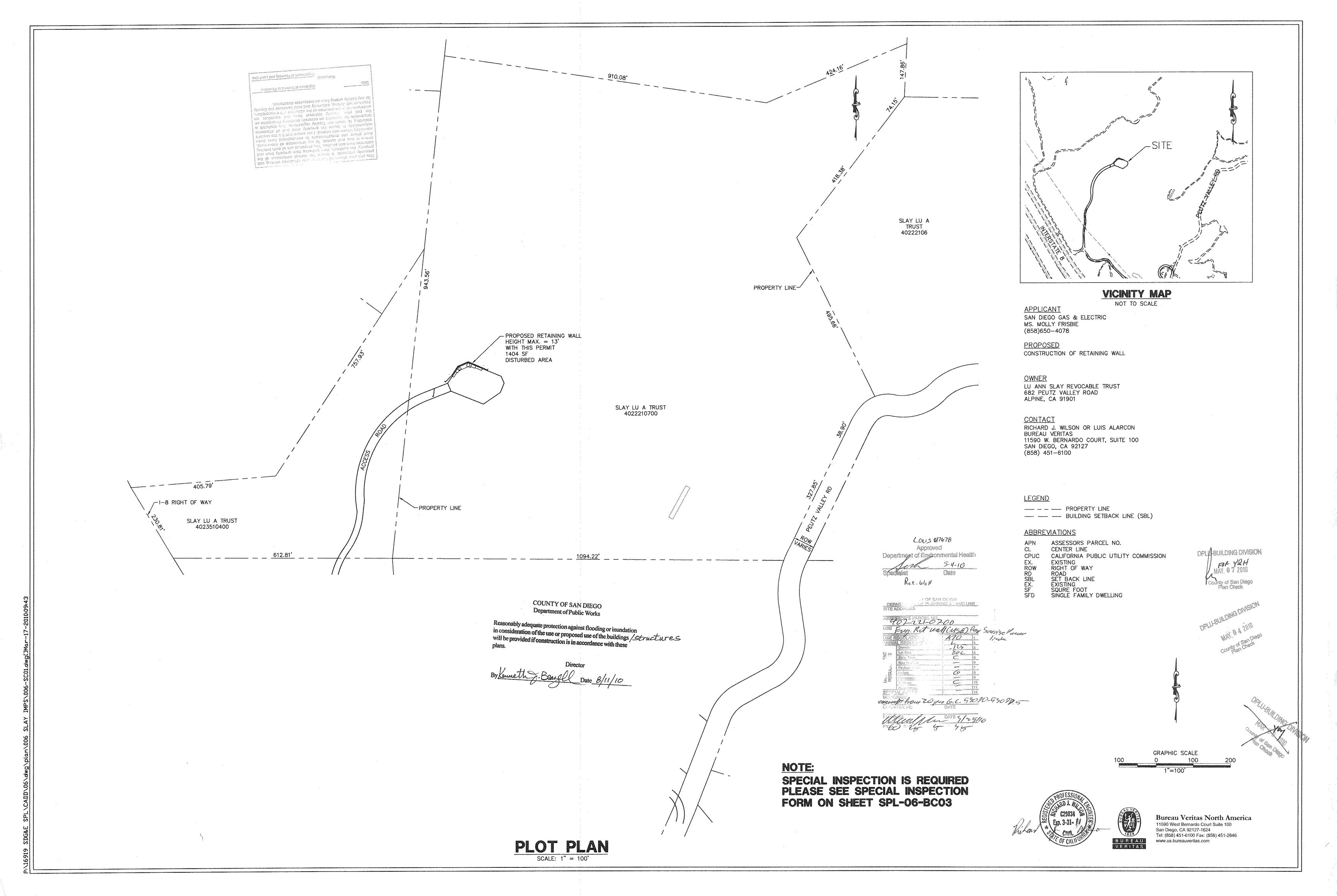
ACCESS ROAD TO SITES P-87-1 & P-88-1

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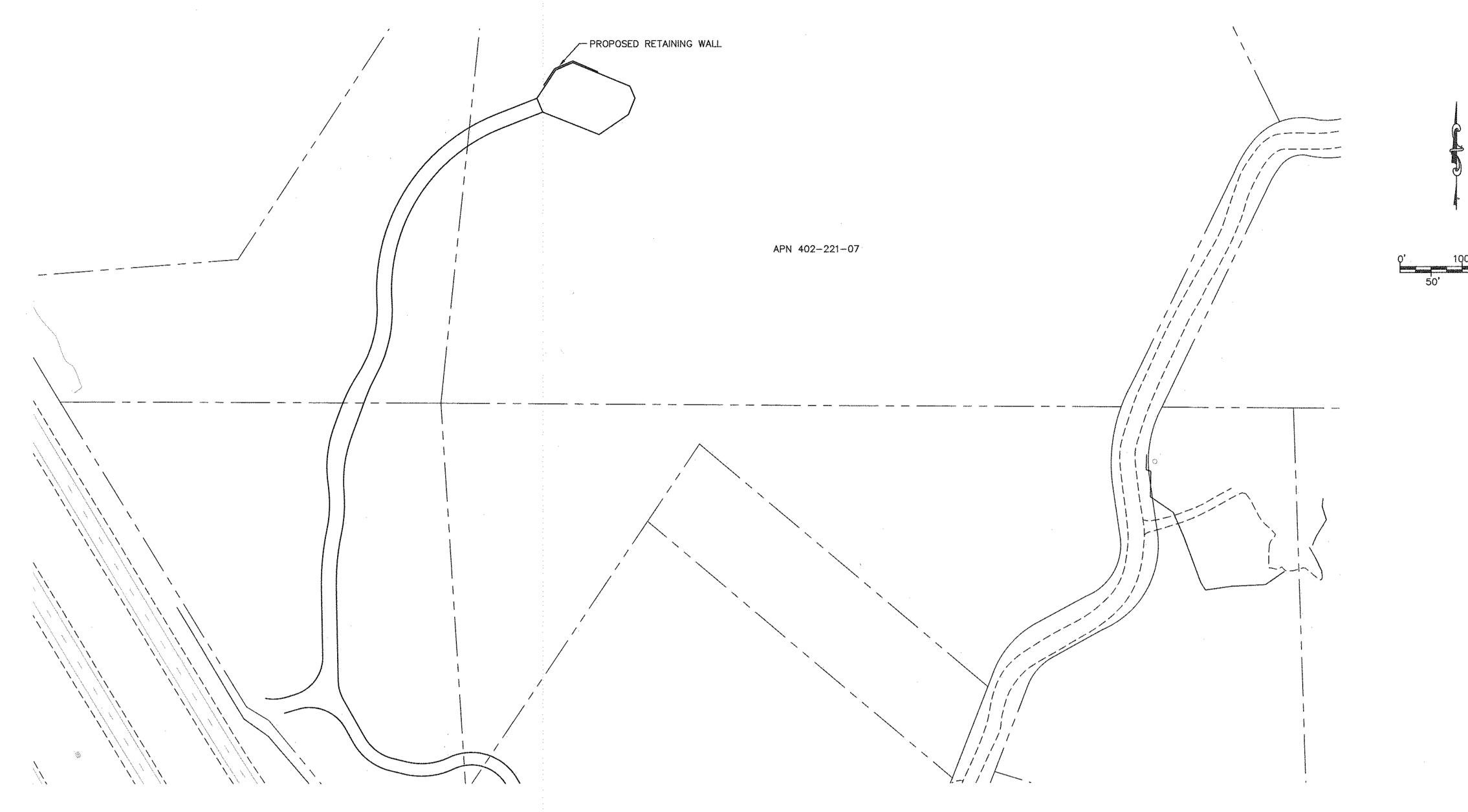
DATE:

DATE:

SPL 06-BEC02



SLAY IMPROVEMENT PLAN - APN 402-221-07 SAN DIEGO COUNTY BUILDING PERMIT SET



ON-SITE WORK TO BE DONE

SITE / ACCESS ROAD

PLOT PLAN
SITE PLAN
LEGEND AND GENERAL NOTES
SITES P87-1 & P88-1 WALL PLAN
MSE WALL DETAILS
MSE WALL DETAILS
MSE WALL DETAILS
EROSION CONTROL PLAN

SHEET NUMBER

WORK DONE

SPL 06-SC01 SPL 06-SC02 SPL 06-SC03 SPL 06-SC04 SPL 06-SC05 SPL 06-SC06 SPL 06-SC07 SPL 06-SC08

J-BUILDING DIVISION

MAY 0 7 2010. County of San Diego

C29834 Ep. 3-31-11

COVIL PROFESSIONAL CONTROL CONTROL

CHECKED BY:

APPROVED BY:

NTIAL, DO

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-06 (LINK 4) SLAY IMPROVEMENTS

TITLE SHEET

DRAWN BY: J.PIORKOWSKI DATE: SCALE: NA W.O:

DATE: SCALE: NA W.O: REV. O

DATE: SPL-06-SC02

PLOT SCALE: 1 = 1

SLAY 87-

GENERAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTION TO THE CONTRACTOR BY THE ENGINEER OF WORK:

- ALL WORK SHALL COMPLY WITH ALL APPLICABLE PORTIONS OF THE PROJECT SPECIFICATIONS:
- 2. NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT ALL FILL IN STRICT ACCORDANCE WITH SDG&E'S SPECIFICATIONS. A GEOTECHNICAL ENGINEER WILL BE THE OWNER'S REPRESENTATIVE TO INSPECT THE CONSTRUCTION OF FILLS. THE EXCAVATION AND THE PLACEMENT OF FILL WILL BE UNDER THE DIRECT INSPECTION OF THE GEOTECHNICAL ENGINEER, AND HE WILL GIVE WRITTEN NOTICE OF CONFORMANCE WITH THE SPECIFICATIONS UPON COMPLETION OF GRADING. DEVIATIONS FROM SDG&E'S SPECIFICATIONS. WILL BE PERMITTED ONLY UPON WRITTEN AUTHORIZATION FROM THE GEOTECHNICAL ENGINEER OR THE SDG&E REPRESENTATIVE.
- 4. OBSERVATIONS AND COMPACTION TESTS WILL BE MADE BY THE GEOTECHNICAL ENGINEER DURING THE FILLING AND COMPACTING OPERATIONS SO THAT HE CAN STATE HIS OPINION THAT THE FILL WAS CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- 5. DURING CONSTRUCTION: THE CONTRACTOR SHALL GRADE ALL EXCAVATED AND FILLED SURFACES TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING OF WATER. HE SHALL CONTROL SURFACE WATER TO AVOID DAMAGE TO ADJOINING PROPERTIES OR TO FINISH WORK ON THE SITE. THE CONTRACTOR SHALL TAKE REMEDIAL MEASURES TO PREVENT EROSION OF FRESHLY GRADED AREAS, AND UNTIL SUCH TIME AS PERMANENT DRAINAGE AND EROSION CONTROL MEASURES HAVE BEEN INSTALLED. AFTER GRADING IS COMPLETED AND THE GEOTECHNICAL ENGINEER HAS FINISHED HIS OBSERVATIONS OF THE WORK, NO FURTHER EXCAVATION OR FILLING SHALL BE DONE, EXCEPT UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
- 6. CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING THE GRADING OPERATIONS.
- 7. BRUSH AND TREES SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED. WHEN TREES ARE REMOVED, THE ROOT SYSTEMS SHALL ALSO BE REMOVED AND THE RESULTING EXCAVATION FILLED WITH PROPERLY COMPACTED FILL SOILS.
- 8. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH AND UNIFORM SURFACE OR CROSS-SECTION. THE SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS DIRECTED BY THE SDG&E REPRESENTATIVE AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPE SHALL BE REMOVED AND DISPOSED OF.
- 9. GRADING SHALL BE DONE WITHIN A TOLERANCE OF ±0.1' OF THE GRADES AND ELEVATIONS SHOWN ON THESE PLANS AND ALL SLOPES SHALL BE CONSTRUCTED WITHIN ±0.5' OF THE LOCATION SHOWN ON THESE PLANS. IN NO WAY SHALL THE ABOVE TOLERANCES RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PROVIDING A FINISH THAT WILL NOT POND WATER.
- 10. ANY QUANTITIES INDICATED ON THESE PLANS ARE ENGINEERS' ESTIMATES ONLY AND ARE NOT TO BE USED BY CONTRACTOR FOR BIDDING PURPOSES.
- 11. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND BRING DISCREPANCIES TO THE ATTENTION OF THE SDG&E REPRESENTATIVE PRIOR TO STARTING CONSTRUCTION.
- 12. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT TITLED "GEOTECHNICAL EVALUATION - ACCESS ROADS AND STRUCTURAL PADS SUNRISE POWERLINK PROJECT" BY URS, DATED, OCTOBER 16, 2009. URS PROJECT No.27669019.0002

EROSION CONTROL NOTES

- 1. ALL POLE & TOWER MAINTENANCE PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING
- 2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
- 3. ALL GRADED CUT OR FILL SLOPES SHALL BE HYDROSEEDED TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- 4. FIBER ROLLS SHALL BE PLACED AT TOP, TOE AND FACE (15 FOOT INTERVALS) OF GRADED ALL CUT AND FILL SLOPES TO INTERCEPT RUNOFF AND REDUCE EROSION IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

COUNTY OF SAN DIEGO CONSTRUCTION NOTES

- 1. ALL ASPHALT CONCRETE SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS. 2006 SECTION 39 AND SHALL HAVE A BASE COURSE OF TYPE A 3/4" MAXIMUM COURSE AND A 2" FINAL LIFT (OR 2" OVERLAY) USING TYPE B, 1/2" MAXIMUM, MEDIUM GRADATION
- 2. AGGREGATE BASE SHALL CONFORM TO CALTRANS SECTION 26 CLASS II AGGREGATE

BASE

- 3. ALL OTHER WORK IN COUNTY OF SAN DIEGO PUBLIC RIGHT OF WAY SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS OR STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION WITH REGIONAL SUPPLEMENT AMENDMENTS (LATEST ADOPTED EDITION)
- 4. WORK WITHIN COUNTY RIGHT OF WAY IS SUBJECT TO COUNTY CONSTRUCTION!/ ENCROACHMENT PROCESS AND MAY REQUIRE CONSTRUCTION TRAFFIC CONTROL TO MITIGATE SIGHT DISTANCE AND CONSTRUCTION WITHIN THE COUNTY RIGHT OF WAY

COUNTY OF SAN DIEGO BUILDING DIVISION NOTES

- 1. THE APPROVAL OF PLANS AND SPECIFICATIONS DOES NOT PERMIT THE VIOLATION OF ANY SECTION OF THE BUILDING CODE, COUNTY ORDINANCES, OR STATE LAW. THE FOLLOWING LIST DOES NOT NECESSARILY INCLUDE ALL ERRORS AND OMISSIONS. (SEE THE 2007 CALIFORNIA BUILDING CODE, APPENDIX CHAPTER 1, SECTION 105.4)
- 2. TWO (2) COPIES OF THE FINAL COMPACTION REPORT SHALL BE SUBMITTED TO THE INSPECTOR PRIOR TO FINAL INSPECTION.

DATE BY: APP'D: NO.

WORK DONE

COUNTY OF SAN DIEGO . DEPARTMENT OF PLANNING AND LAND USE

NOTICE OF REQUIREMENT FOR SPECIAL INSPECTION

You are hereby notified that, in addition to the inspection of construction provided by the Department of Planning and Land Use, Building Division, an approved registered special inspector is required to provide: special inspection and/or structural observation during construction of the proposed project as indicated on this form. This form shall be completed. All work requiring special inspection must be identified as well as the name and phone number of the special inspector identified to perform the special inspections.

The registered special inspector shall be approved by the Building Official prior to the issuance of the building permit. Special inspectors having a current certification from the City of San Diego are approved as special inspectors for the type of construction for which they are certified.

Special inspection and/or structural observation requirements and reports shall be in compliance with the 2007 California Building Code, Chapter 17.

The inspections required to be performed by a special inspector are in addition to and do not change the requirements for the inspections normally required by the 2007 California Building Code as amended and idopted by the County of San Diego and performed by the Building Division inspection personnel.

The special inspector is not authorized to inspect and approve any work other than that for which they are certified. The special inspector is not authorized to accept alternate materials, structural changes, or any requests for plan changes. The special inspector is required to submit to the building inspector in the field written reports of all work that they inspected and approved. Approval of final inspection will not be granted by the Department of Planning and Land Use, Building Division, until a last and final report documenting required special inspections and correction of any discrepancies noted in the inspection reports has been submitted to the building inspector in the field and approved by the Building Division.

For occupancies in Group R-3 and occupancies in Group U that are accessory to a residential occupancy some exceptions are permitted per the Department of Planning and Land Use, Building Division special inspection policy to not require special inspection or to allow structural observation in lieu of the required special inspections. These exceptions are noted in the table on page two of this form. In cases where the design engineer of record has specified a more restrictive requirement for special inspection and/or structural observation, the project shall comply with the requirements of the engineer of record.

Structural observation is the visual observation of the structural system by a registered design professional. A letter shall be provided describing the results of structural observation prior to approval of final inspection. The letter shall be submitted to the building inspector in the field and approved by the Building Division.

THIS COMPLETED FORM MUST BE MADE A PERMANENT, PRINTED PART OF THE PLANS. laped, glued, stapled, etc. copies will not be accepted

5201 RUFFIN ROAD, SUITE B, SAN DIEGO, CA 92123 • (858) 565-5920 • (898) 336-7553 HTTP://WWW.SDCDPLU.ORG DPLU #606 REV 66/01/2009:

WORK REQUIRING SPECIAL INSPECTION	ITEM DESCRIPTION AND LOCATION	DESIGN STRENGTH	NAME OF SPECIAL INSPECTOR	PHONE NUMBER O SPECIAL INSPECTO
		Carini Carrier Carrier	BC SECTION 1704	
*FOR R-3 AND U	OCCUPANCIES ACCES	SORY TO RESIDE	NTIAL OCCUPANCIES	
ITEMS 1b, 2a (WHEN fo≤3,000 ps STRUCTURAL OBSERVATION IS PERMITTED IN	SPECIAL INSPECTION IS i), 2c, 3a (WHEN fm ≤ 1.5 I LIEU OF SPECIAL INSF	300 psi), 3b (WHE)	IWALL HEIGHT IS ≤ 10 FT.)	. 6, 7, 8, 8, 9. GHT IS > 10 FT.), AND 4a
1.) Steel Construction				
a.) Field welding				
b.) Steel frame*	N/A			1
c.) High-strength bolts	_			
2.) Concrete Construction				<u> </u>
a.) fc > 2,500.pst*				<u> </u>
b.) Anchers	1	<u> </u>		
c.) Structural slabs*	N/A			<u> </u>
d.) Pre-stressed / post-tensioned slabs	N/A			
3.) Masonry Construction	N/A	[
a.) Masorry construction*	N/A			
 b.) Site walls other than County Standard plans 				
4.) Wood Construction	N/A		· · · · · · · · · · · · · · · · · · ·	
a.) High-load diaphragms*		}		
5.) Foundations				
a.) Pile foundations	N/A			
b.) Pier foundations				
6.) Sprayed fire-resistant materials*	N/A			
7.) Mastic and intumescent fire-resistant coatings*	N/A			
8.) Exterior insulation and finish systems (EIFS)*	N/A			
9.) Smoke control systems*	N/A	•		
10.) Special cases				
a) MSE WALL CONSTUCTION			GARY HEINBACH	(951) 840-592
6.)		3		
SPECIAL INSPECTIONS FOR	SEISMIC RESIS	STANCE RE	QUIRED BY CBC S	SECTION 1707
*R-3 AND U OX STRUCTURAL OBSERVATION	CCUPANCIES ACCESSO DN 18 PERMITTED IN LIE	RY TO RESIDENT TU OF SPECIAL IN	IAL OCCUPANCIES ISPECTION FOR ITEMS C A	ND D
A.) Field welding			•	
Structural wood field gluing of elements of the seismic-force resisting system	N/A		: · ·	
C.) Structural wood: nating, bolding, anchoring and other fastering of components within the seismic-force-resisting system where fastener spacing of sheathing is 4 inches o.c. or loss-	N/A			
D.) Cdd-formed steel framing*	N/A			
E.). Pier foundations	N/A			
F.) Storage racks and access floors	N/A			
G.) Architectural components for structures greater than 30 feet in height	N/A			
H.) Designated seismic system verifications	N/A			
	I &E/A	1		1
Designated seismic system verifications	IN/W	i	•	<u>}</u>

5201 RUFFIN ROAD, SUITE B, SAN DIEGO, CA 92123 • (858) 565-5920 • (888) 336-7553 HTTP://WWW.SDCDPLU.ORG OPLU #006 REV 06/01/2009 Pege 2 of 2

WORK DONE

DATE BY: APP'D: NO.

REVISIONS

WORK DONE

LEGEND

SECTION -



INDICATES NEW TOWER

422.1

0.

 $\begin{pmatrix} X \\ XX \end{pmatrix}$

DATE BY: APP'D:

CHECKED BY:

APPROVED BY:

INDICATES EXISTING STEEL POLE

VERTICAL PROFILE F.G. ELEV. ABOVE

VERTICAL PROFILE E.G. ELEV. BELOW NEW TRANSMISSION LINE

(F.G.) FINISH GRADE CONTOURS (E.G.) EXISTING GRADE CONTOURS

EXISTING GROUND ELEVATION

(206.2)FILL SLOPE 2:1 UNLESS SHOWN OTHERWISE

CUT SLOPE 2:1 UNLESS SHOWN OTHERWISE

RIDGE LINE

DAYLIGHT LINE

DIRECTION OF FLOW CUT

CUT/FILL LINE FILL

CONCRETE DOWN DRAIN, SEE DETAIL

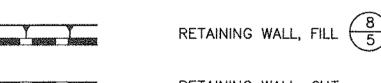
RIPRAP ENERGY DISSIPATOR, SEE DETAIL

CORRUGATED METAL PIPE WITH FLARED END SECTIONS, SEE PLANS FOR, PIPE SIZES, AND ENERGY DISSIPATOR.

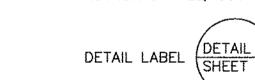
DROP OUTLET PER SDRSD D-16 TYPE B. INLET PIPE 24" AND OUTLET PIPE 12" DIAMETER

CONCRETE DRAINAGE DITCH, SEE DETAIL

-22 DRAINAGE DITCH BEHIND MASONRY CUT RETAINING WALL, SEE DETAIL



RETAINING WALL, CUT



ABBREVIATIONS

EXISTING GRADE FINISHED GRADE TOP OF WALL BOTTOM OF WALL AT FINISHED GROUND DPLU-BUILDING DIVISION FLOW LINE UP STREAM MAY 0 7 2010 DOWN STREAM County of San Diego CORRUGATED METAL PIPE

RELATIVE COMPACTION

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SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA SPL-06 (LINK 4) SLAY IMPROVEMENTS

SLAY RETAINING WALL

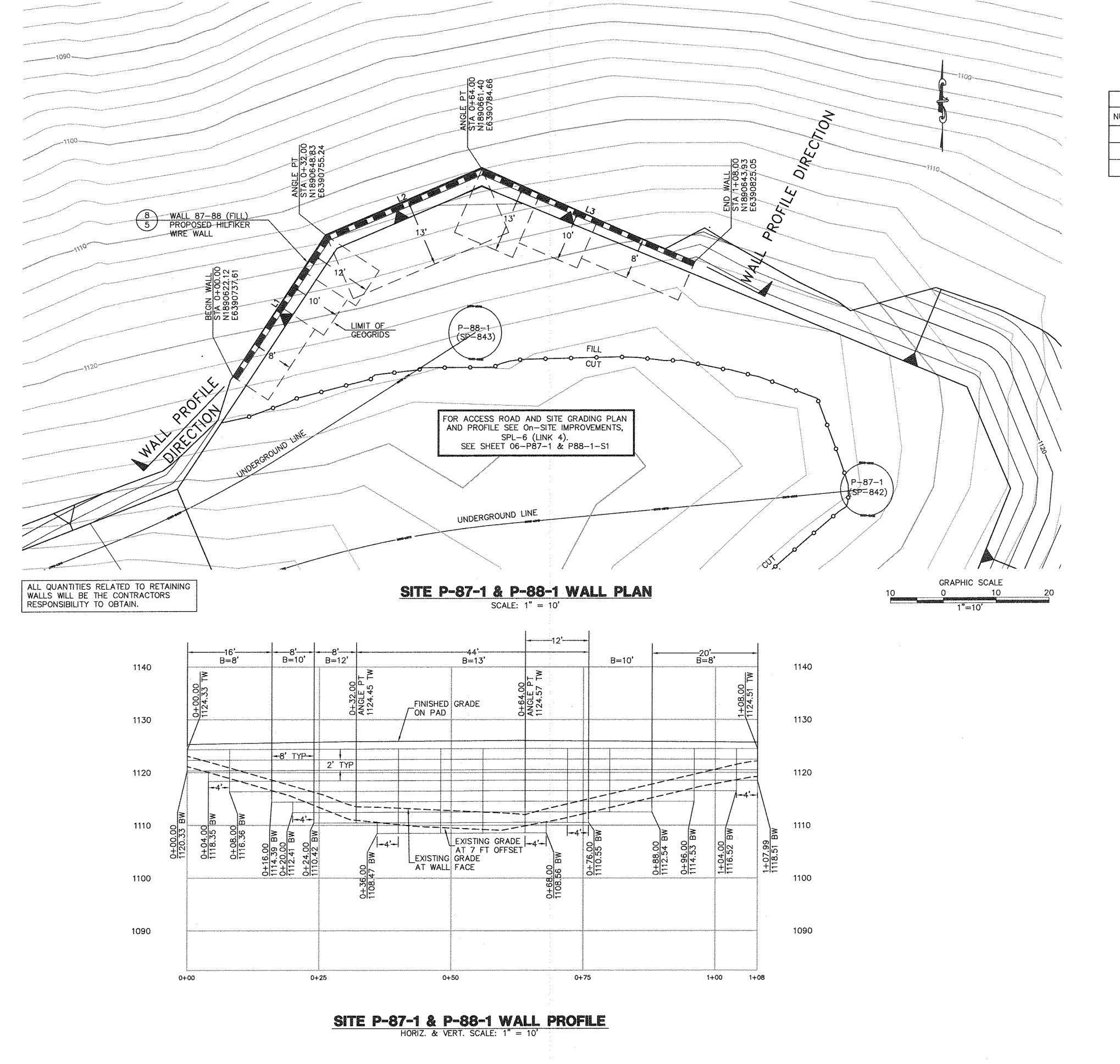
PLOT SCALE: 1=1

DATE: -/-/- SCALE: AS NOTED W.O. SPL-06-SC03

VERITAS

Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com

SLAY 87-88



FACE OF WALL DATA NUMBER | RADIUS | LENGTH | BEARING/DELTA ANGLE 32.00 N33*25'40.94"E 32.00 N66'51'24.04"E L2 \$66*****36'00.83"E 44.00

> DPLU-BUILDING DIVISION MAY 07 2010

REV. 0

SPL-06-SC04

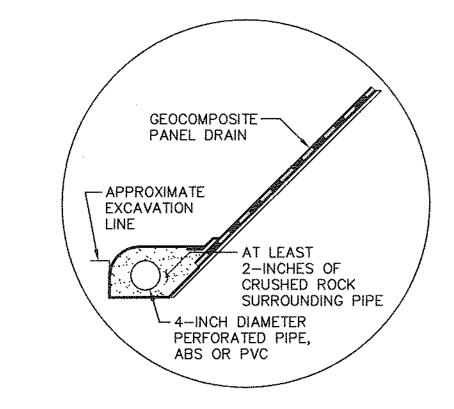
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SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA



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REVISIONS DATE BY: APP'D: NO. DATE BY: APP'D: NO. WORK DONE WORK DONE WORK DONE DATE BY: APP'D: SPL-6 (LINK 4) SLAY IMPROVEMENTS SITE P-87-1 & P-88-1 WALL PLAN DRAWN BY: 00 CHECKED BY: APPROVED BY: DATE: CAD NO.: PLOT SCALE: 1 = 1



ROCK BLANKET ALTERNATIVE

FINISHED PAD GRADE

PER PROJECT PLANS

CAP MAT

GEOCOMPOSITE PANEL ALTERNATIVE

1% MIN

CONSTRUCT 36" HIGH CABLE RAILING

PER CALTRANS B11-47 W/ 12" DIA.

BY 2' DEEP CONC. POSTS.

WALL BACK DRAINAGE NOTES:

- 1. PERFORATED PIPE SHOULD OUTLET THROUGH A SOLID PIPE TO A FREE GRAVITY OUTFALL AT MAX 100' SPACING. PERFORATED PIPE AND OUTLET PIPE SHOULD HAVE A FALL OF AT LEAST 2%.
- 2. FILTER FABRIC SHOULD CONSIST OF MIRAFI 140N, OR SIMILAR APPROVED PRODUCT. FILTER FABRIC SHOULD BE OVERLAPPED PER MANUFACTURES INSTRUCTIONS.
- 3. DRAIN INSTALLATION SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO BACK FILLING.
- 4. SUBSURFACE BACK DRAINAGE MAY BE REDUCED IF THE SOILS USED IN THE REINFORCED AND RETAINED ZONES ARE RELATIVELY "FREE DRAINING" AS APPROVED BY GEOTECHNICAL ENGINEER. CONTRACTOR TO ASSUME 20 PERCENT OF WALL SQUARE FOOTAGE REQUIRES BACK DRAINAGE.
- 5. IF ROCK BLANKET BACK DRAIN ROCK IS SUBSTITUTED WITH CALTRANS CLASS II. PERMEABLE AGGREGATE THE FILTER FABRIC CAN BE ELIMINATED.

MSE WALL BACKFILL NOTES:

WALL LAYOUT

12" MIN

LINE

- 1. CONTRACTOR IS ADVISED THAT MOST ONSITE SOILS WILL BE VIABLE FOR MSE WALL BACKFILL UTILIZING 3" TO 4" BAR SCREEN TO CONFORM SOILS TO FOLLOWING TABLE BELOW CARE SHOULD BE TAKEN TO SELECT BACKFILL MATERIAL THAT IS FREE OF EXCESSIVE FINES AND ORGANIC MATERIAL.
- 2. CONTRACTOR TO OBTAIN GEOTECHNICAL APPROVAL OF BOTTOM CUT AND 7' OFFSET FROM SLOPE FACE PRIOR TO PLACEMENT OF ANY GEOGRID OR WIRE MATS. MSE RETAINING WALLS SHOULD BE FOUNDED ON PROPERLY COMPACTED OR RELATIVELY UNDISTURBED WEATHERED GRANITIC ROCK MATERIALS AS APPROVED BY THE GEOTECHNICAL ENGINEER.
- 3. GEOTECH ENGINEER AND MANUFACTURER'S REPRESENTATIVE SHALL OBSERVE AND APPROVE BACKFILL MATERIALS AND PROCEDURES DURING BACKFILL AND CONSTRUCTION

MSE WALL BACKFILL GRADATION REQUIREMENTS

SEIVE SIZE	RECOMMENDED GRADATION PERCENT PASSING BY WEIGHT
100mm (4 INCH)	100-75
4.76mm (NO. 4)	20-100
0.425mm (NO. 40)	0-60
0.075mm (NO. 200)	0-35
PLASTICITY INDEX (PI)	< 20

a. A PI < 8 IS RECOMMENDED TO MINIMIZE EXPANSIVE POTENTIAL AND PROVIDE SUITABLE DRAINAGE CHARACTERISTICS

b. mm - MILLIMETERS

TOP OF WALL PRONGLESS MAT TOP LIFT ONLY BATTER VERTICAL GEOGRID WALL 1:48 -BACKFILL PER NOTES HEREON. USE BAR SCREEN TO PROVIDE 3"-6" ROCK FOR FACING BASKETS. OR SIMILAR FILTER FABRIC TYP. MATERIAL APPROVED BY THE ENGINEER. STANDARD FACING MATS TYP. COMPACTED COMMERCIALLY BACKFILL PER GALVANIZED SLOPE BACK CUT-NOTES HEREON PER CONTRACTOR **ASSUME 3/4:1** AVERAGE ഥ 12" MIN SELECT GRANULAR POROUS SOIL 2' TYPICAL TO THE SATISFACTION OF THE ENGINEER OR GEOCOMPOSITE ALTERNATIVE AS SHOWN IN DETAILS ABOVE. ---EXISTING GRADE NOTE: USE SF90 GEOGRID ON LOWER LAYERS FOR WALLS 32' AND TALLER PER TABLE AT RIGHT 2' MIN EXISTING GRADE 6" SOLID WALL HDPE @ 2% MIN 7' OFFSET DAYLIGHT TO FACE OF SLOPE AT LOW POINTS

MSE WALL GEOGRID LENGTHS

	
PRELIMINARY O = 35°	MIN. SOIL DESIGN PARAMETERS DENSITY < 130 PCF
HEIGHT (FT)	B= BASE DEPTH OF WALL
8*	9'
10'	10'
12'	10'
14'	12'
16'	13'
18'	15'
20'	16'
22'	18'
24'	20'
26'	21'
28'	23'
30'	24'
32'	26'-2-14*

* B DIST. - BOTTOM GRIDS WITH SF90 GEOGRID - TOP REMAINING GRIDS WITH SF65 GEOGRID

MSE WALL GEOGRID SPECIFICATIONS

WWW.SYNTEEN.COM, OR EQUAL APPROVED BY ENGINEER

SOIL REINFORCEMENT GEOGRID UNIAXIAL GEOGRID THE STRENGTH IS IN THE LENGTH DIRECTION

SF 90 IS COMPOSED OF HIGH MOLECULAR WEIGHT, HIGH TENACITY MULTIFILAMENT POLYESTER YARNS THAT ARE WOVEN INTO A STABLE NETWORK PLACED UNDER TENSION. THE HIGH STRENGTH POLYESTER YARNS ARE COATED WITH A PVC MATERIAL. SF SERIES GEOGRIDS ARE INERT TO BIOLOGICAL DEGRADATION AND ARE RESISTANT TO NATURALLY ENCOUNTERED CHEMICALS, ALKALIS AND ACIDS. SF SERIES GEOGRIDS ARE TYPICALLY USED FOR SOIL REINFORCEMENT APPLICATIONS SUCH AS RETAINING WALLS, STEEPENED SLOPES, EMBANKMENTS, SUBGRADE STABILIZATION, AND EMBANKMENTS OVER SOFT SOILS AND WASTE CONTAINMENT APPLICATIONS.

TENSILE PROPERTIES	TEST METHOD	MARV VALUES (LBS/FT)
ULTIMATE STRENGTH	ASTM D 6637	8500
CREEP LIMITED STRENGTH	ASTM D 5262	5483
TAL = LONG TERM DESIGN STRENGTH	NCMA 97 *	4747
APERTURE SIZE (INS.)	MEASURED	0.75 x 0.75 OR SITE SPECIFIC AS REQUIRED

REDUCTION FACTOR FOR CREEP 1.55, REDUCTION FACTOR FOR DURABILITY 1.10 REDUCTION FACTOR FOR INSTALLATION DAMAGE (TYPE 3 SOIL) 1.05

FHWA/AASHTO REDUCTION FACTOR FOR CREEP 1.55, REDUCTION FACTOR FOR DURABILITY 1.15, REDUCTION FACTOR FOR INSTALLATION DAMAGE (TYPE 3 SOIL) 1.03

GRI GG4B REDUCTION FACTOR FOR CREEP 1.75, REDUCTION FACTOR FOR DURABILITY 1.10 REDUCTION FACTOR FOR INSTALLATION DAMAGE (TYPE 3 SOIL) 1.05

WWW.SYNTEEN.COM, OR EQUAL APPROVED BY ENGINEER

SOIL REINFORCEMENT GEOGRID UNIAXIAL GEOGRID THE STRENGTH IS IN THE LENGTH DIRECTION

SF 65 IS COMPOSED OF HIGH MOLECULAR WEIGHT. HIGH TENACITY MULTIFILAMENT POLYESTER YARNS THAT ARE WOVEN INTO A STABLE NETWORK PLACED UNDER TENSION. THE HIGH STRENGTH POLYESTER YARNS ARE COATED WITH A PVC MATERIAL. SF SERIES GEOGRIDS ARE INERT TO BIOLOGICAL DEGRADATION AND ARE RESISTANT TO NATURALLY ENCOUNTERED CHEMICALS, ALKALIS AND ACIDS. SF SERIES GEOGRIDS ARE TYPICALLY USED FOR SOIL REINFORCEMENT APPLICATIONS SUCH AS RETAINING WALLS, STEEPENED SLOPES, EMBANKMENTS, SUBGRADE STABILIZATION, AND EMBANKMENTS OVER SOFT SOILS AND WASTE CONTAINMENT APPLICATIONS.

FERRIJARY 2006

TENSILE PROPERTIES	TEST METHOD	MARV VALUES (LBS/FT)
ULTIMATE STRENGTH	ASTM D 6637	6000
CREEP LIMITED STRENGTH	ASTM D 5262	3871
TAL = LONG TERM DESIGN STRENGTH	NCMA 97	3373
APERTURE SIZE (INS.)	MEASURED	0.75 × 0.75

RF CREEP - 1.55

RF DURABILITY - 1.10

RF INSTALLATION DAMAGE (SOIL TYPE 3) - 1.05

NOTE: SEE ADDITIONAL DETAILS ON SHEETS 6 & 7

DPLU-BUILDING DIVISION

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CAD NO.:

SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA SPL-06 (LINK 4) SLAY IMPROVEMENTS

Detail Sheet

SPL-06-SC05 DATE: PLOT SCALE: 1 = 1

TYPICAL HILFIKER WELDED WIRE WALL SECTION (8)

= BASE DEPTH OF WALL -

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4"DRAINAGE SYSTEM

PER DETAIL

DATE BY: APP'D: NO.

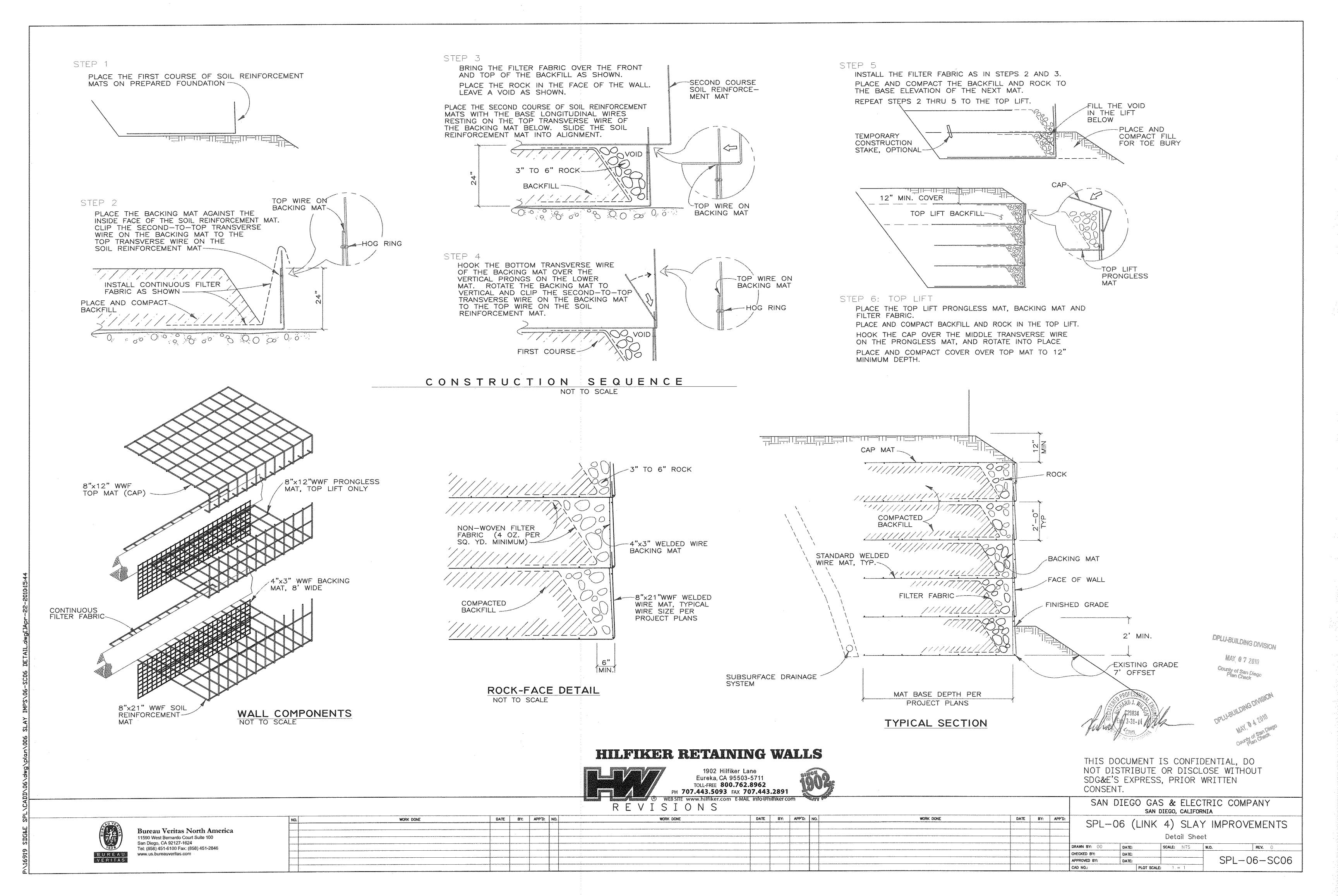
WORK DONE

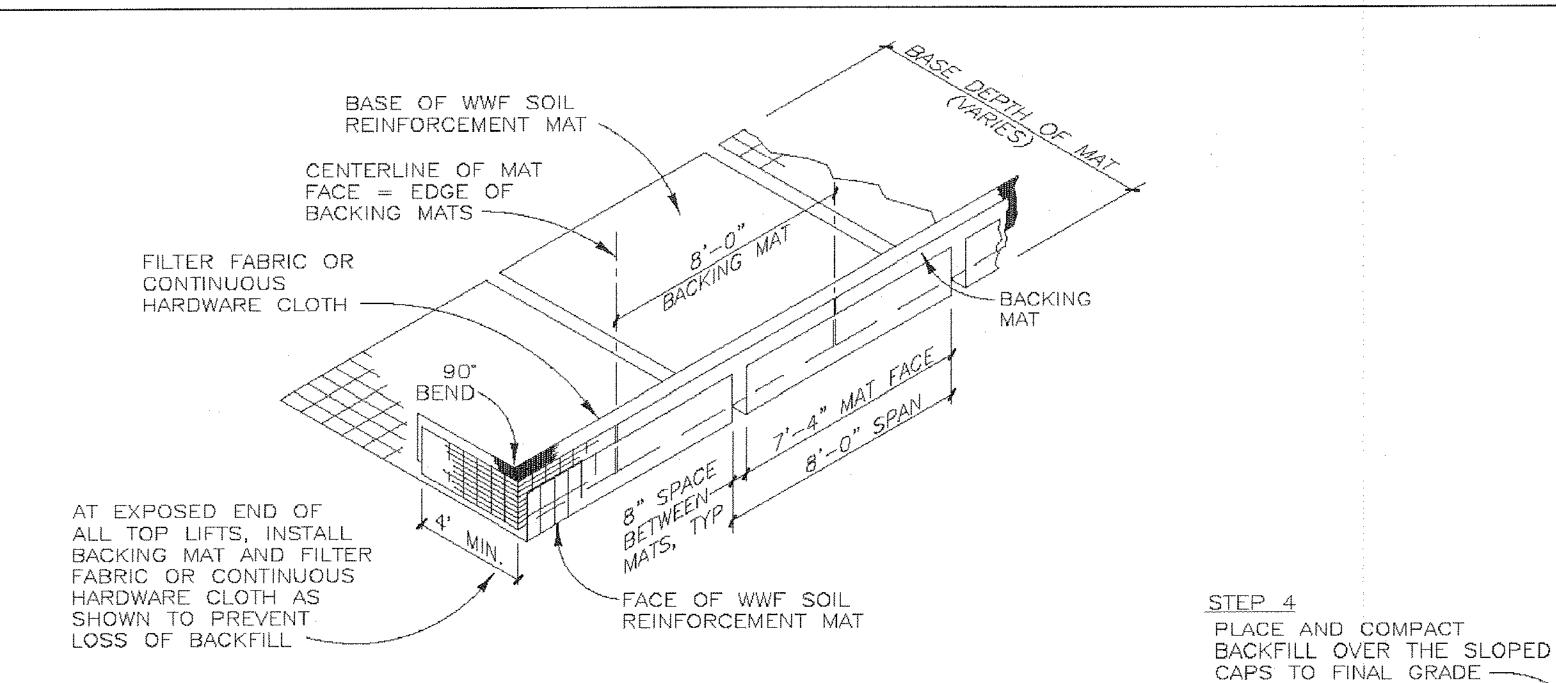
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WORK DONE

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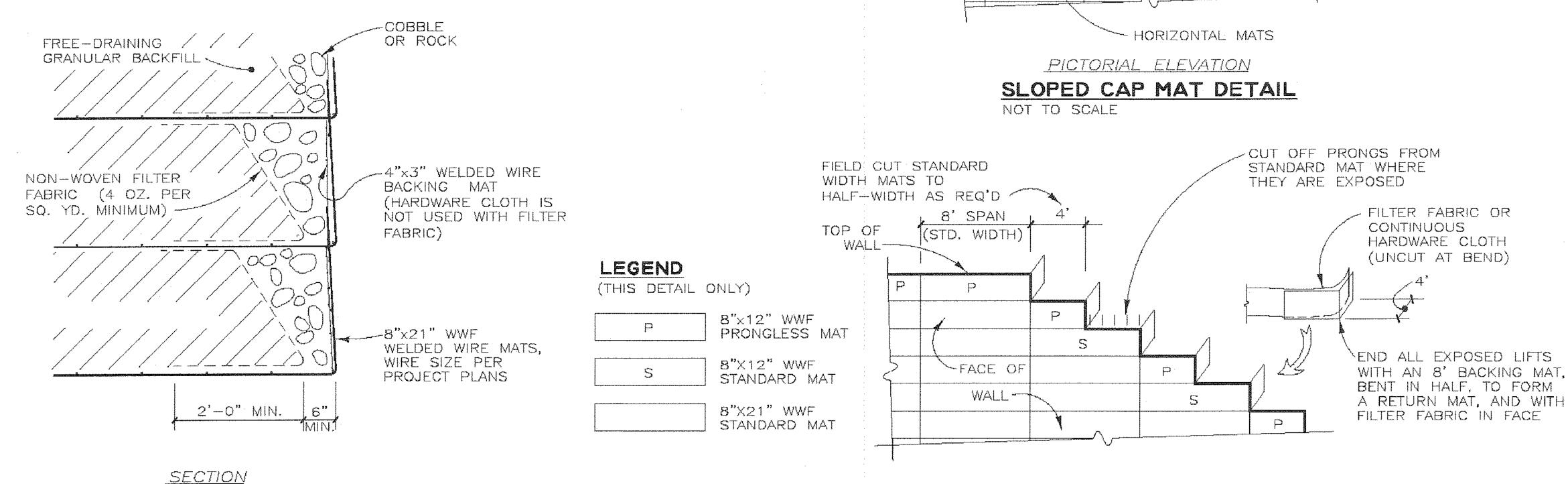




ISOMETRIC VIEW

WELDED WIRE WALL COMPONENTS WITH RETURN MAT

NOT TO SCALE



STEP 3

CLIP CAPS TO MAT FACES WITH

HOG RINGS

RETURN MATS AND TOP OF WALL DETAIL NOT TO SCALE

STEP 2

PLACE CAPS ON SLOPE

-FACE OF

<u>STEP 1</u>

GRADE

- CUT OFF TOP OF THE MAT FACES, BACKING MATS, AND

CONTINUOUS HARDWARE CLOTH PARALLEL TO FINAL

FILTER FABRIC OR

HILFIKER RETAINING WALLS



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SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA

SPL-06 (LINK 4) SLAY IMPROVEMENTS

Detail Sheet SCALE: NTS W.O.

REV. 0 SPL-06-SC07

DPLU-BUILDING DIVISION

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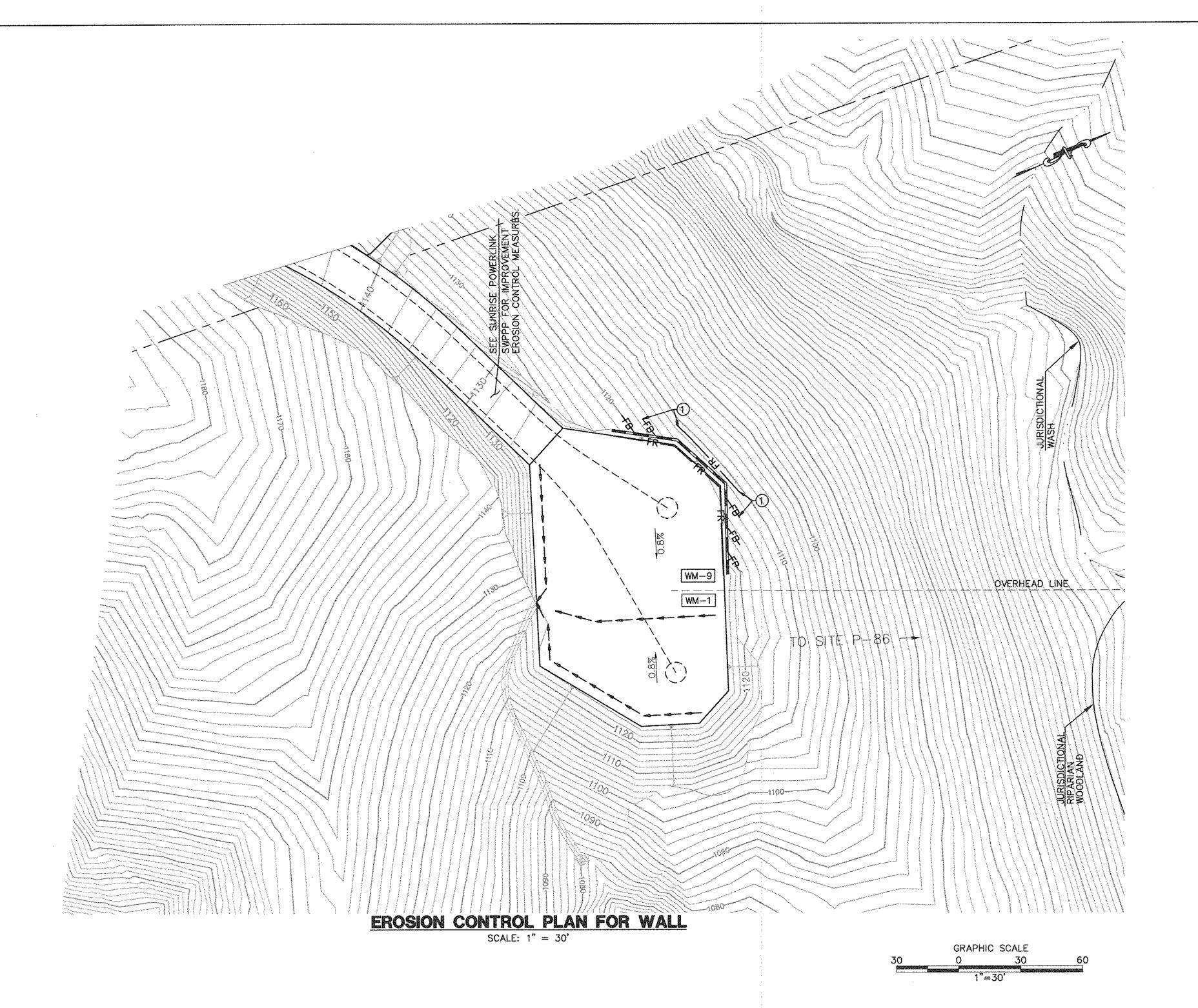
NOT TO SCALE

ROCK FACING DETAIL

REVISIONS DATE BY: APP'D: NO. WORK DONE DATE BY: APP'D: NO. WORK DONE

DATE BY: APP'D: WORK DONE DRAWN BY: 00

CHECKED BY: DATE: APPROVED BY: DATE: CAD NO.: PLOT SCALE: 1 = 1



CALTRANS/ LEGEND SDG&E WATER QUALITY CONSTRUCTION BMP
MANUAL STD. DWG. SYMBOL DESCRIPTION GRADED SWALE ----SC-5/BMP 1-03 FIBER ROLLS --- FR -----WM-1 MATERIAL DELIVERY & STORAGE WM-1WM-9 SANITARY WASTE MANAGEMENT WM-9

CONSTRUCTION NOTES

1 INSTALL FIBER ROLLS. SEE BMP SHEETS SC-5/BMP 1-03 FOR INSTALLATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES.

EROSION AND SEDIMENT CONTROL NOTES:

- 1. FOR BMP SHEETS REFER TO CALTRANS (MARCH 2003) AND SDG&E WATER QUALITY CONSTRUCTION BEST MANAGEMENT PRACTICES MANUAL (DECEMBER 2002) AND PROJECT'S FINAL APPROVED SWPPP.
- 2. CONTRACTOR TO IMPLEMENT STREET SWEEPING AND VACUUMING (PER BMP SHEET SC-7/BMP 1-07) ALONG ALL AREAS OF SOIL DISTURBANCE ALONG THE EXISTING ROADWAY.
- 3. VEHICLE AND EQUIPMENT CLEANING, FUELING, AND/OR MAINTENANCE (PER BMP SHEETS NS-8/BMP 3-03, NS-9/BMP 3-04, AND NS-10 RESPECTIVELY) SHALL NOT BE PERFORMED ON SITE.
- 4. IF DISCHARGES FROM IRRIGATION LINES, POTABLE WATER LINES, OR HYDRANT FLUSHING OCCUR ONSITE, CONTRACTOR MUST IMPLEMENT POTABLE WATER/IRRIGATION PER BMP SHEET NS-7, AS NECESSARY.
- 5. CONTRACTOR ALSO TO IMPLEMENT THE FOLLOWING CONSTRUCTION BMPS, AS NECESSARY:
- SCHEDULING, PER BMP SHEETS EC-1/BMP 1-01
- WIND EROSION CONTROL, PER BMP SHEETS WE-1/BMP 4-08
 WATER CONSERVATION PRACTICES, PER BMP SHEET NS-1
- ILLICIT CONNECTION/DISCHARGE, PER BMP SHEETS NS-6/BMP 2-06
- 6. NO WORK HAVING THE POTENTIAL TO CAUSE WATER POLLUTION, AS DETERMINED BY THE ENGINEER, SHALL BE PERFORMED UNTIL THE SWPPP HAS BEEN SUBMITTED TO THE ENGINEER BY THE CONTRACTOR, AND APPROVED.
- 7. THE CONTRACTOR SHALL CONSIDER OTHER CONTROL MEASURES, AS NECESSARY, TO SUPPLEMENT THE CRITICAL TEMPORARY CONTROL MEASURES SHOWN ON THESE PLANS, IN ORDER TO MEET THE POLLUTION CONTROL OBJECTIVES OF THE SWPPP.

DATA-BAITONG DIARSION

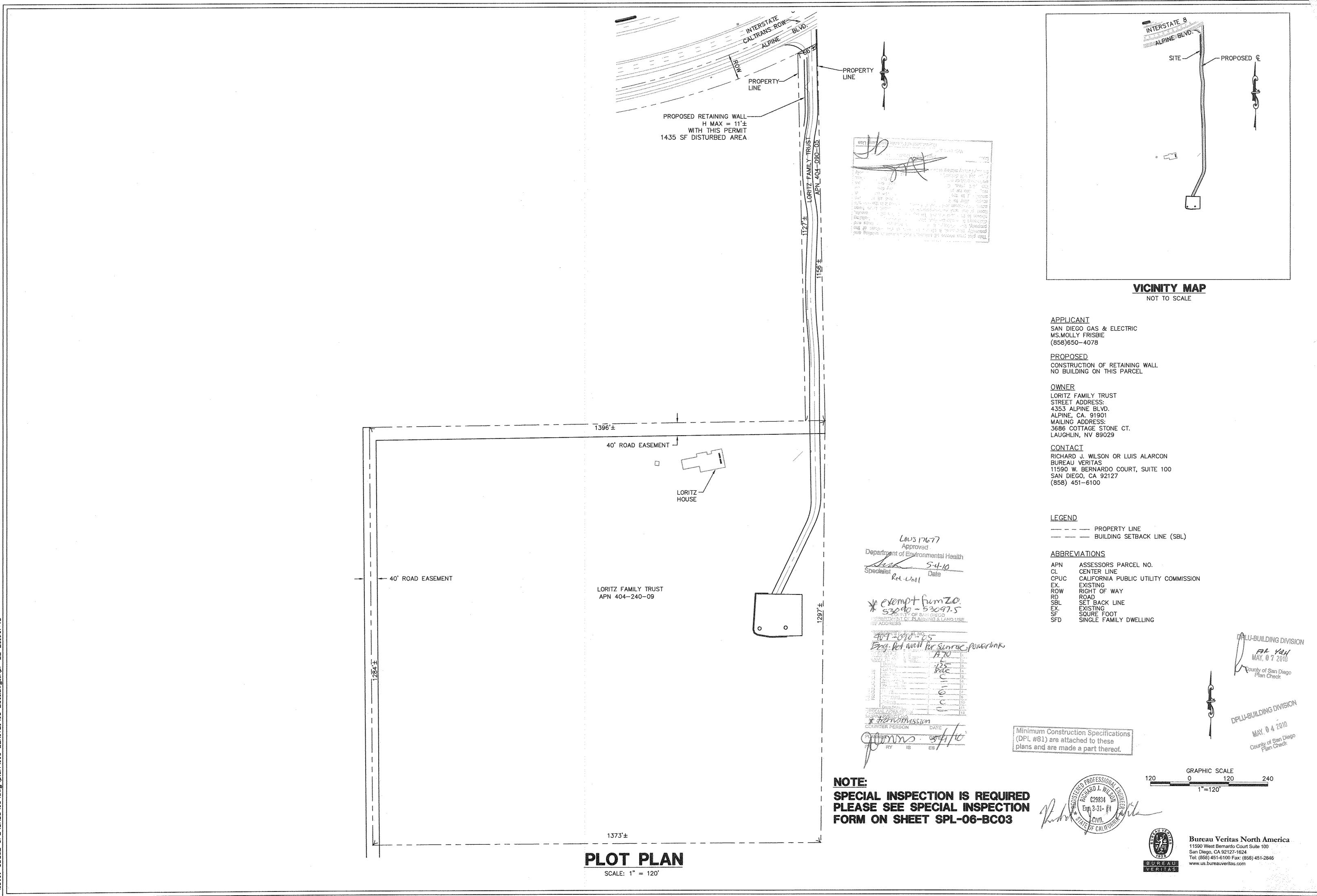
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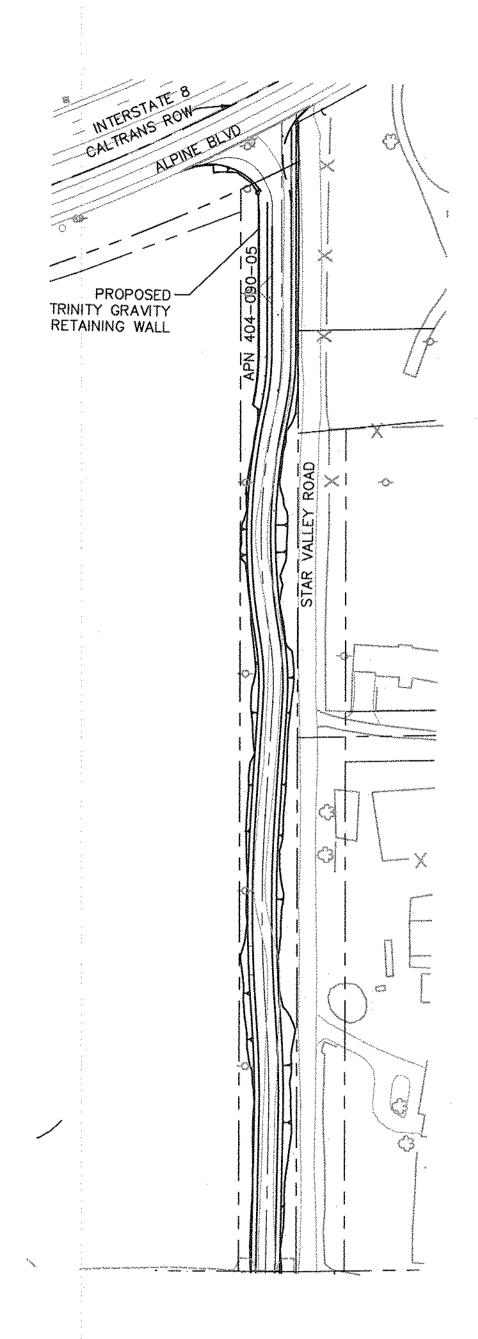
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N	NO. WORK DONE	DATE BY	BY: APP'D: NO.	WORK DONE	DATE	BY: APP'D: NO.	WORK DONE	DATE	BY:	APP'D: EROSION CONTROL PLAN	S FOR	
										SPL-6	(LINK 4) SLAY	/ IMPROVEMENTS
<u>.</u>											EROSION CONTRO	OL PLAN
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06-LC01

Loriuz improvement plan - apn 404-240-09 San diego county building permit set



ON-SITE WORK TO BE DONE

SITE / ACCESS ROAD

PLOT PLAN
SITE PLAN
LEGEND AND GENERAL NOTES
GRAVITY WALL PLAN & PROFILE
GRAVITY WALL DETAILS
EROSION CONTROL PLAN

SHEET NUMBER

SPL 006-LC01
SPL 006-LC02
SPL 006-LC03
SPL 006-LC04
SPL 006-LC05
SPL 006-LEC06

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LORITZ W1

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DATE BY: APP'D: NO. WORK DONE DATE BY: APP'D: SPL-06 (L. DRAWN BY: J.P.) DATE: CHECKED BY: DATE: APPROVED BY: DATE: APPROVED BY: DATE:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

PLOT SCALE: 1 = 1

CAD NO.:

SPL-06 (LINK 4) LORITZ IMPROVEMENTS
SITE PLAN

SCALE: NA W.O. REV. O

SPL-06-LC02

- THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTION TO THE CONTRACTOR BY THE ENGINEER OF WORK:
- 1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE PORTIONS OF THE PROJECT SPECIFICATIONS:
- 2. NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT ALL FILL IN STRICT ACCORDANCE WITH SDG&E'S SPECIFICATIONS. A GEOTECHNICAL ENGINEER WILL BE THE OWNER'S REPRESENTATIVE TO INSPECT THE CONSTRUCTION OF FILLS. THE EXCAVATION AND THE PLACEMENT OF FILL WILL BE UNDER THE DIRECT INSPECTION OF THE GEOTECHNICAL ENGINEER, AND HE WILL GIVE WRITTEN NOTICE OF CONFORMANCE WITH THE SPECIFICATIONS UPON COMPLETION OF GRADING. DEVIATIONS FROM SDG&E'S SPECIFICATIONS WILL BE PERMITTED ONLY UPON WRITTEN AUTHORIZATION FROM THE GEOTECHNICAL ENGINEER OR THE SDG&E REPRESENTATIVE.
- 4. OBSERVATIONS AND COMPACTION TESTS WILL BE MADE BY THE GEOTECHNICAL ENGINEER DURING THE FILLING AND COMPACTING OPERATIONS SO THAT HE CAN STATE HIS OPINION THAT THE FILL WAS CONSTRUCTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- 5. DURING CONSTRUCTION: THE CONTRACTOR SHALL GRADE ALL EXCAVATED AND FILLED SURFACES TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING OF WATER. HE SHALL CONTROL SURFACE WATER TO AVOID DAMAGE TO ADJOINING PROPERTIES OR TO FINISH WORK ON THE SITE. THE CONTRACTOR SHALL TAKE REMEDIAL MEASURES TO PREVENT EROSION OF FRESHLY GRADED AREAS, AND UNTIL SUCH TIME AS PERMANENT DRAINAGE AND EROSION CONTROL MEASURES HAVE BEEN INSTALLED. AFTER GRADING IS COMPLETED AND THE GEOTECHNICAL ENGINEER HAS FINISHED HIS OBSERVATIONS OF THE WORK, NO FURTHER EXCAVATION OR FILLING SHALL BE DONE, EXCEPT UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
- 6. CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING THE GRADING OPERATIONS.
- 7. BRUSH AND TREES SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED. WHEN TREES ARE REMOVED, THE ROOT SYSTEMS SHALL ALSO BE REMOVED AND THE RESULTING EXCAVATION FILLED WITH PROPERLY COMPACTED FILL SOILS.
- 8. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH AND UNIFORM SURFACE OR CROSS-SECTION. THE SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS DIRECTED BY THE SDG&E REPRESENTATIVE AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPE SHALL BE REMOVED AND DISPOSED OF.
- 9. GRADING SHALL BE DONE WITHIN A TOLERANCE OF ±0.1' OF THE GRADES AND ELEVATIONS SHOWN ON THESE PLANS AND ALL SLOPES SHALL BE CONSTRUCTED WITHIN ±0.5' OF THE LOCATION SHOWN ON THESE PLANS. IN NO WAY SHALL THE ABOVE TOLERANCES RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PROVIDING A FINISH THAT WILL NOT POND WATER.
- 10. ANY QUANTITIES INDICATED ON THESE PLANS ARE ENGINEERS' ESTIMATES ONLY AND ARE NOT TO BE USED BY CONTRACTOR FOR BIDDING PURPOSES.
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND BRING DISCREPANCIES TO THE ATTENTION OF THE SDG&E REPRESENTATIVE PRIOR TO STARTING CONSTRUCTION.
- 12. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT TITLED "GEOTECHNICAL EVALUATION - ACCESS ROADS AND STRUCTURAL PADS SUNRISE POWERLINK BY URS, DATED, OCTOBER 16, 2009. URS

PROJECT No.27669019.0002

EROSION CONTROL NOTES

- 1. ALL POLE & TOWER MAINTENANCE PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
- 2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
- 3. ALL GRADED CUT OR FILL SLOPES SHALL BE HYDROSEEDED TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY IN ACCORDANCE WITH PROJECT
- 4. FIBER ROLLS SHALL BE PLACED AT TOP, TOE AND FACE (15 FOOT INTERVALS) OF GRADED ALL CUT AND FILL SLOPES TO INTERCEPT RUNOFF AND REDUCE EROSION IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

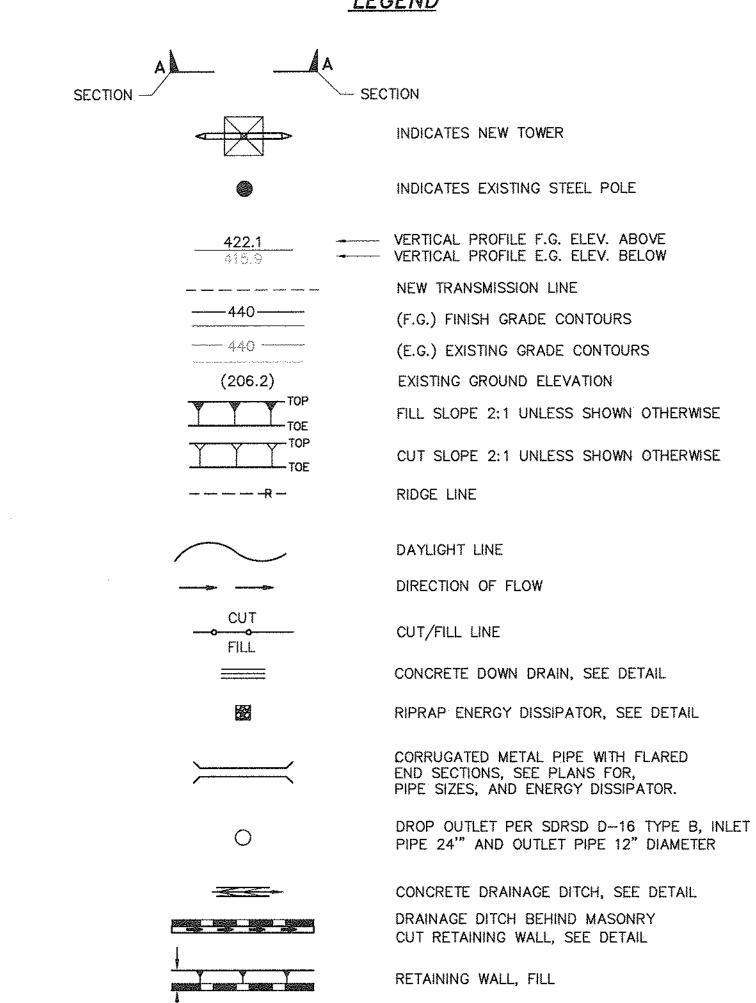
COUNTY OF SAN DIEGO CONSTRUCTION NOTES

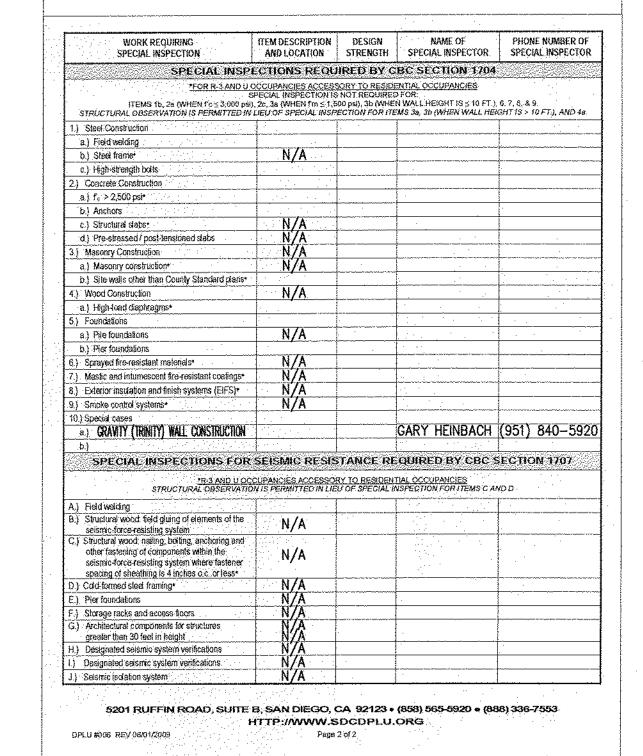
- 1. ALL ASPHALT CONCRETE SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS. 2006 SECTION 39 AND SHALL HAVE A BASE COURSE OF TYPE A 3/4" MAXIMUM COURSE AND A 2" FINAL LIFT (OR 2" OVERLAY) USING TYPE B, 1/2" MAXIMUM, MEDIUM GRADATION
- 2. AGGREGATE BASE SHALL CONFORM TO CALTRANS SECTION 26 CLASS II AGGREGATE BASE
- 3. ALL OTHER WORK IN COUNTY OF SAN DIEGO PUBLIC RIGHT OF WAY SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS OR STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION WITH REGIONAL SUPPLEMENT AMENDMENTS (LATEST ADOPTED EDITION)
- 4. WORK WITHIN COUNTY RIGHT OF WAY IS SUBJECT TO COUNTY CONSTRUCTION/ ENCROACHMENT PROCESS AND MAY REQUIRE CONSTRUCTION TRAFFIC CONTROL TO MITIGATE SIGHT DISTANCE AND CONSTRUCTION WITHIN THE COUNTY RIGHT OF WAY

COUNTY OF SAN DIEGO BUILDING DIVISION NOTES

- 1. THE APPROVAL OF PLANS AND SPECIFICATIONS DOES NOT PERMIT THE VIOLATION OF ANY SECTION OF THE BUILDING CODE, COUNTY ORDINANCES, OR STATE LAW. THE FOLLOWING LIST DOES NOT NECESSARILY INCLUDE ALL ERRORS AND OMISSIONS (SEE THE 2007 CALIFORNIA BUILDING CODE, APPENDIX CHAPTER 1, SECTION 105.4)
- 2. TWO (2) COPIES OF THE FINAL COMPACTION REPORT SHALL BE SUBMITTED TO THE INSPECTOR PRIOR TO FINAL INSPECTION.

<u>LEGEND</u>





WORK DONE

NOTICE OF REQUIREMENT FOR SPECIAL INSPECTION

You are hereby notified that, in addition to the inspection of construction provided by the Department of

Planning and Land Use, Building Division, an approved registered special inspector is required to provide special inspection and/or structural observation during construction of the proposed project as indicated on

this form. This form shall be completed. All work requiring special inspection must be identified as well as

The registered special inspector shall be approved by the Building Official prior to the issuance of the

building permit. Special inspectors having a current certification from the City of San Diego are approved

Special inspection and/or structural observation requirements and reports shall be in compliance with the

The inspections required to be performed by a special inspector are in addition to and do not change the requirements for the inspections normally required by the 2007 California Building Code as amended and

The special inspector is not authorized to inspect and approve any work other than that for which they are

certified. The special inspector is not authorized to accept alternate materials, structural changes, or any

requests for plan changes. The special inspector is required to submit to the building inspector in the field

by the Department of Planning and Land Use, Building Division, until a last and final report documenting

required special inspections and correction of any discrepancies noted in the inspection reports has been

For occupancies in Group R-3 and occupancies in Group U that are accessory to a residential occupancy

some exceptions are permitted per the Department of Planning and Land Use, Building Division special

inspection policy to not require special inspection or to allow structural observation in lieu of the required special inspections. These exceptions are noted in the table on page two of this form. In cases where the

design engineer of record has specified a more restrictive requirement for special inspection and/or

Structural observation is the visual observation of the structural system by a registered design professional. A letter shall be provided describing the results of structural observation prior to approval of final inspection. The letter shall be submitted to the building inspector in the field and approved by the Building Division:

THIS COMPLETED FORM MUST BE MADE A PERMANENT, PRINTED PART OF THE PLANS.

raped, glued, stapled, etc. copies will not be accepted

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structural observation, the project shall comply with the requirements of the engineer of record

submitted to the building inspector in the field and approved by the Building Division.

written reports of all work that they inspected and approved. Approval of final inspection will not be granted

adopted by the County of San Diego and performed by the Building Division inspection personnel.

the name and phone number of the special inspector identified to perform the special inspections.

as special inspectors for the type of construction for which they are certified.

2007 California Building Code, Chapter 17.

ABBREVIATIONS

RETAINING WALL, CUT

DETAIL LABEL (DETAIL #)

EXISTING GRADE FINISHED GRADE TOP OF WALL BOTTOM OF WALL AT FINISHED GROUND FLOW LINE DPLU-BUILDING DIVISION UP STREAM MAY 0 7 2010 DOWN STREAM CORRUGATED METAL PIPE County of San Diego RELATIVE COMPACTION



DRAWN BY: JUP

CHECKED BY:

APPROVED BY: CAD NO.:

DATE BY: APP'D:

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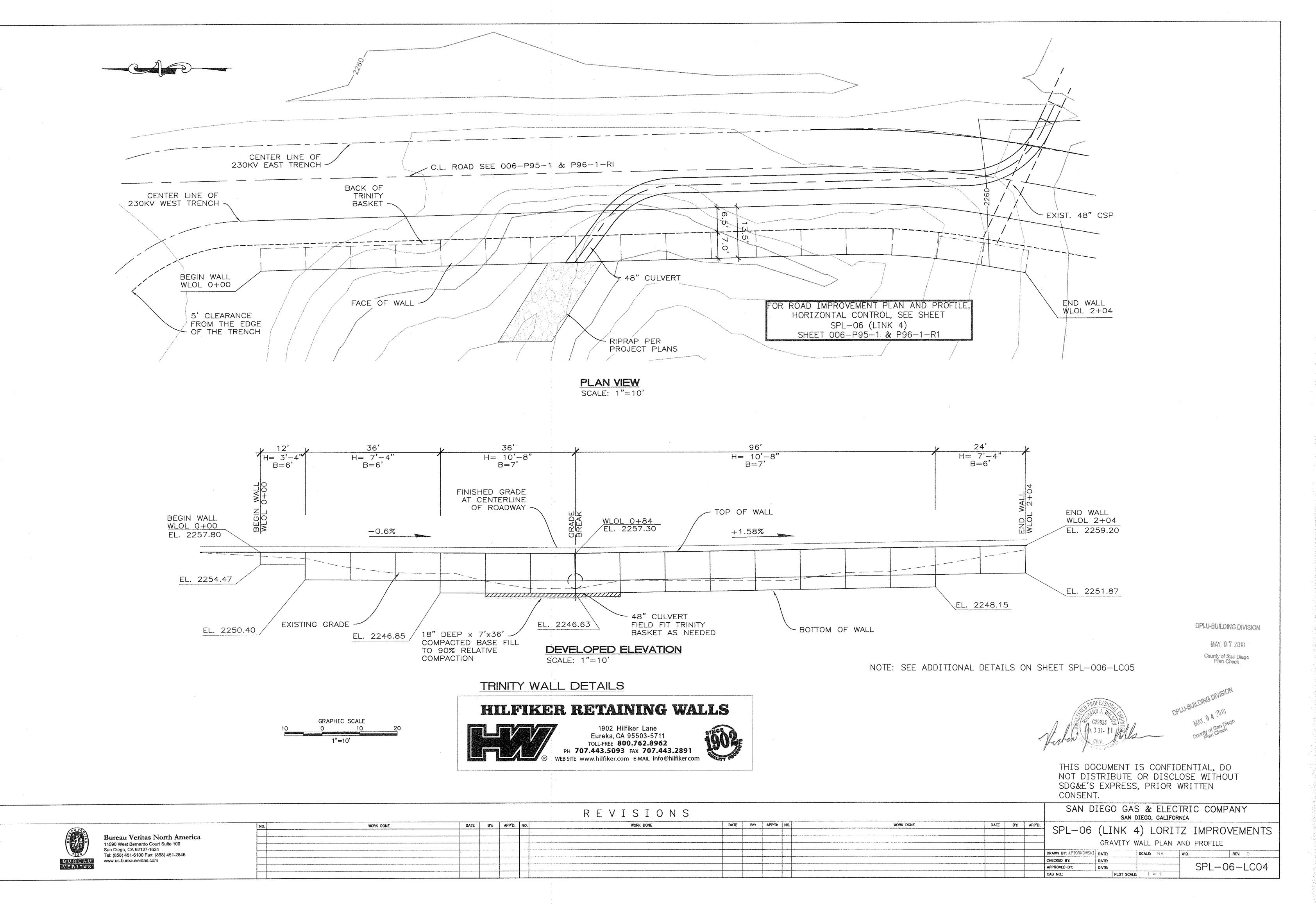
REVISIONS

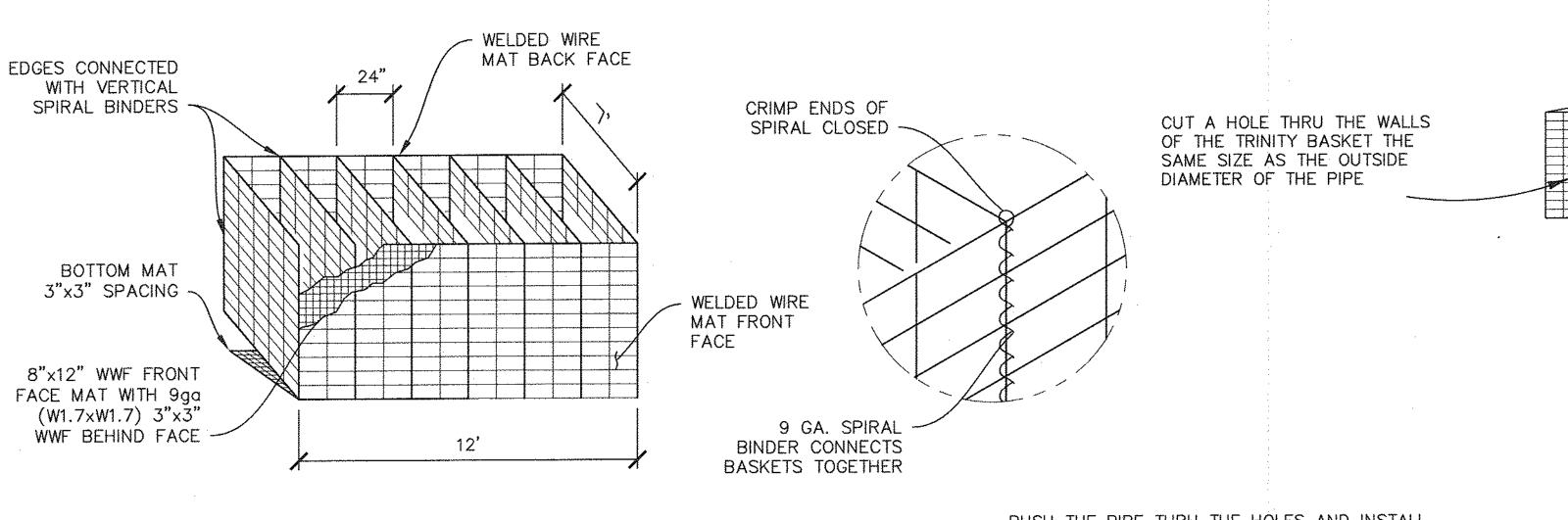
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SPL-06 (LINK 4) LORITZ IMPROVEMENTS

LEGEND AND GENERAL NOTES SCALE: AS NOTED W.O. DATE:

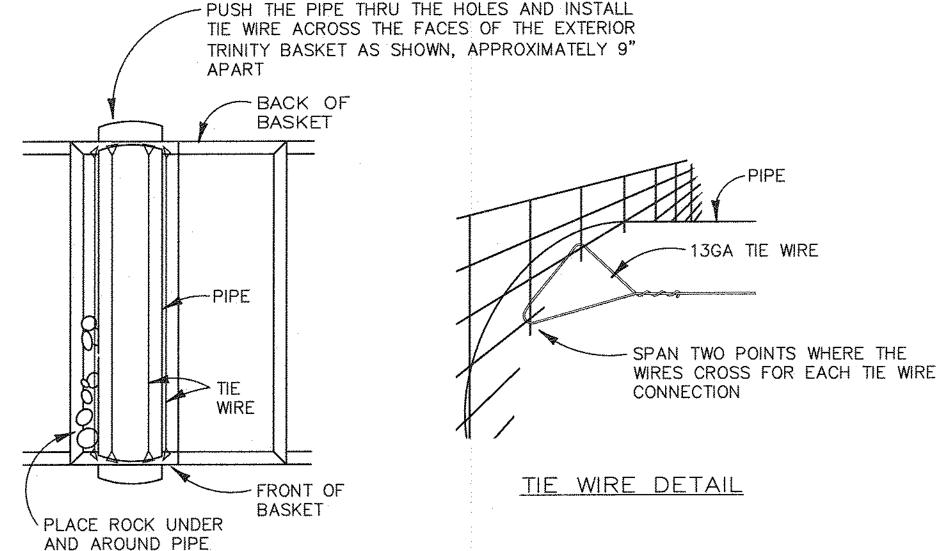
SPL-06-LC03





SHOP ASSEMBLY NOT TO SCALE

8"x12" WWF



PIPE THRU TRINITY BASKET DETAIL NOT TO SCALE

3"x3" WWF

WALL COMPONENT DIMENSIONS

PROJECT AND THE PROPRIETARY INFORMATION SHOWN HEREON IS NOT TO BE TRANSMITTED TO ANY OTHER ORGANIZATION WITHOUT SPECIFIC AUTHORIZATION BY THE HILFIKER COMPANY. HILFIKER RETAINING WALLS ARE PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENTS: 243,613; 243,697; 288,616; 4,117,686; 4,329,089; 4,324,508; 4,391,557; 4,505,621; 4,343,318; 4,661,023; 4,856,939; 4,929,125; 5,076,735; 5,647,695; 5,722,799; 5,733,072; 6,357,970B1; 6,874,975B2; 7,033,118B2; AND OTHERS. OTHER PATENTS PENDING (2008)

SUPPLIED QUANTITIES:

FACE AREA: 1,886.88 SQ. FT. FULL HEIGHT BASKETS: 16

HALF HEIGHT BASKETS: 12

TRINITY WALL DETAILS

HILFIKER RETAINING WALLS



1902 Hilfiker Lane Eureka, CA 95503-5711 TOLL-FREE 800.762.8962 PH 707.443.5093 FAX 707.443.2891



TRINITY WALL PRODUCT SPECIFICATION

FINISHED

ROAD GRADE

MIRAFI 140N FILTER FABRIC

6"x12" WWF

BACK MAT

SECTION AT 14'-8" TALL WALL

TRINITY WALL-THIS WORK SHALL CONSIST OF HILFIKER TRINITY WALLS (WELDED WIRE MESH BINS) AND FILLING THE ASSEMBLED BINS WITH ROCK IN ACCORDANCE WITH THE DETAILS SHOW ON PROJECT PLANS AND SPECIAL PROVISION.

3"x3" WWF BEHIND

FACE, TYPICAL

- 6"x12" WWF

FRONT MAT

BASKET

BASKET

BOTTOM MAT 3"x3" WWF

IF NEEDED FOR SCOUR

PROTECTION (BOTTOM

BASKET ONLY)

WIRE FOR THE MANUFACTURE AND ASSEMBLY OF TRINITY WALL SHALL MEET OR EXCEED ANY COMBINATION OF THE FOLLOWING REQUIREMENTS:

DECRIPTION

SCALE: 1"=10'

REQUIREMENT

1. 6"X9" OR 6"X12" WELDED WIRE FABRIC-COMMERCIAL GALVANIZED (WIRE SIZES SHALL CONSIST OF W4.5XW3.5, W7.0XW3.5, OR W9.5XW4.0)

2. 3"X3" (7.62 CM X 7.62 CM), 9 GA. -0.144 IN. MIN. (3.66 MM) WELDED WIRE FABRIC

3. 9 GA. GALVANIZED SPIRAL BINDER (MIN. 0.144IN. [3.66 MM])

ASTM A185, A370 EXCEPTION: WELD SHEAR AT 800 LBS. MIN.

ASTM A641, A90

ASTM A185, A-82

MATERIALS-THE TRINITY WALL SHALL BE OF A SINGLE UNIT CONSTRUCTION. THE BOTTOM MAT, SIDES, DIVIDERS, BACK FACE, FRONT FACE, ALL SHALL BE CONNECTED AND SPIRALED INTO RECTANGULAR BINS OF THE SPECIFIED SIZES.

ROCK-ROCK FOR FILLING THE BIN SHALL BE AS LISTED: . 100% PASSING 18 INCHES (30.5 CM), 0-5% PASSING 3 INCHES (10.2 CM)

CONSTRUCTION-THE TRINITY WALL BIN SHALL FIRST BE ASSEMBLED INDIVIDUALLY AS EMPTY UNITS. EACH BIN SHALL BE MANUFACTURED WITH THE NECESSARY PANELS.

WHEN 9-GAUGE SPIRAL BINDERS ARE USED, THE SPIRAL SHALL BE SCREWED INTO POSITION SUCH THAT IT PASSES THROUGH EACH MESH OPENING ALONG THE JOINT.

TEMPORARY FASTENERS MAY BE USED TO HOLD PANELS WHEREVER BIN JOINTS ARE CONSTRUCTED. TEMPORARY FASTENERS MAY REMAIN IN PLACE.

DPLU-BUILDING DIVISION

MEASUREMENT-QUANTITIES OF THE TRINITY WALL TO BE PAID FOR WILL BE MEASURED BY THE SQUARE FOOT (PROFILE) AND WILL BE DETERMINED FROM THE DIMENSIONS SHOWN ON THE PLANS FOR THE DIMENSIONS DIRECTED BY THE ENGINEER.

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PAYMENT- THE CONTRACT PRICE PAID PER SQUARE FOOT FOR THE TRINITY WALL SHALL INCLUDE FULL COMPENSATION FOR FURNISHING ALL LABOR, MATERIALS (INCLUDING FOUNDATION RE-COMPACTION, EXCAVATION, AND BACKFILL), AS SHOWN ON THE PLANS, THESE SPECIAL PROVISIONS, AND AS DIRECTED BY THE ENGINEER.

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CONSENT. SAN DIEGO GAS & ELECTRIC COMPANY

Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com

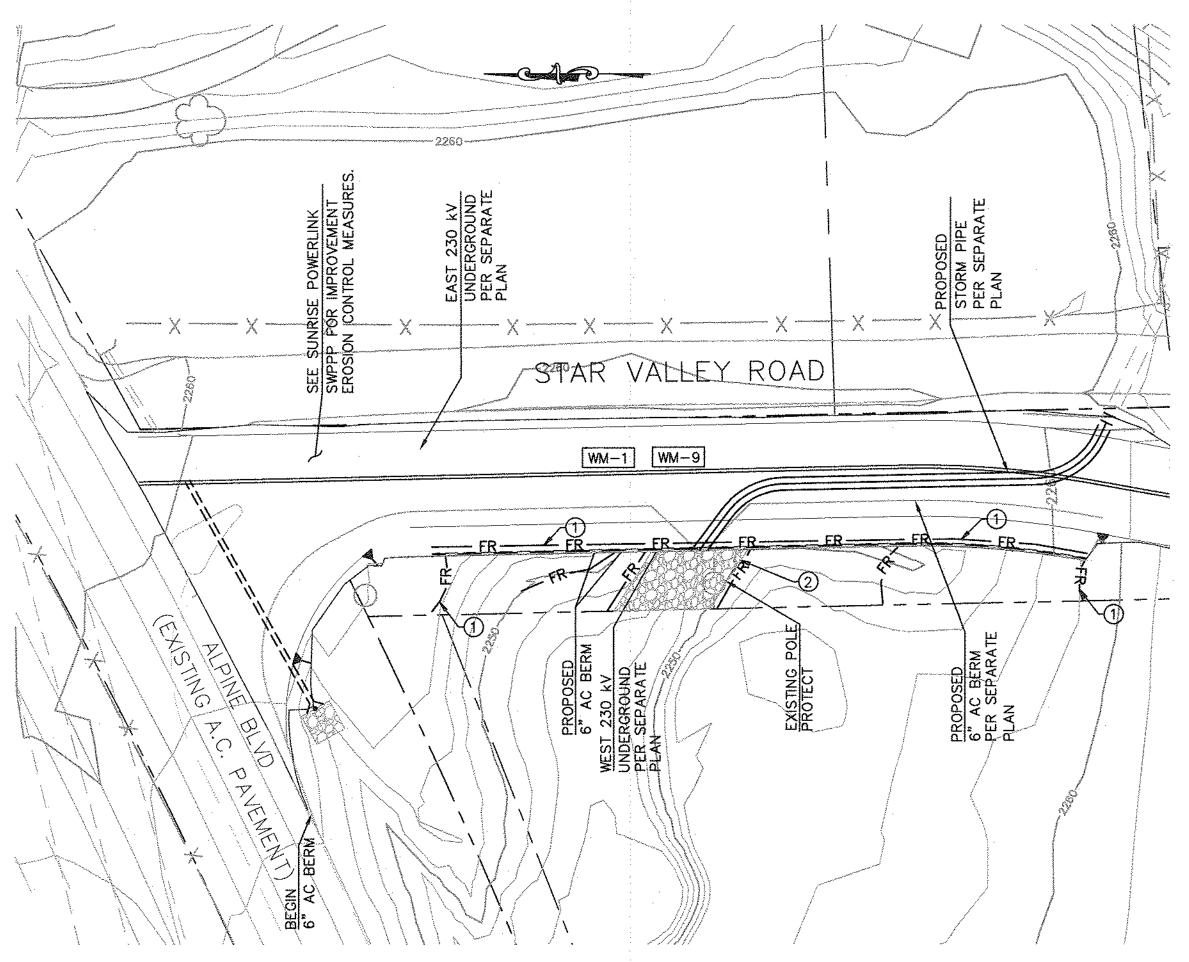
REVISIONS SAN DIEGO, CALIFORNIA DATE BY: APP'D: NO. WORK DONE DATE BY: APP'D: DATE BY: APP'D: NO. SPL-06 (LINK 4) LORITZ IMPROVEMENTS GRAVITY WALL DETAILS DRAWN BY: J. PIORKOWSKI DATE: REV. CHECKED BY: DATE: SPL-06-LC05 DATE: PLOT SCALE: 1 = 1

8"x12" WWF MAT MAT SIDES FRONT FACE AND AND DIVIDERS BACK FACE SPIRAL BINDER 9ga 7'-4" (3'-4") LONG 3"x3" WWF MAT BEHIND FACE MAT **BOTTOM MAT**

NOT TO SCALE

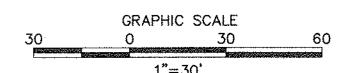
THIS DRAWING IS FURNISHED SOLELY FOR

THE USE OF OR IN CONNECTION WITH THIS



EROSION CONTROL PLAN FOR WALL

SCALE: 1" = 30'



LEGEND		CALTRANS/ SDG&E WATER QUALIT	ſY
DESCRIPTION	SEE CON. NOTE #	CONSTRUCTION BMP MANUAL STD. DWG.	SYMBOL
GRADED SWALE			
FIBER ROLLS	1	SC-5/BMP 1-03	FR
ENERGY DISSIPATOR	2	SS-10	
MATERIAL DELIVERY & STORAGE		WM-1	WM-1
SANITARY WASTE MANAGEMENT		WM-9	WM-9

CONSTRUCTION NOTES

- INSTALL FIBER ROLLS. SEE BMP SHEETS SC-5/BMP 1-03 FOR INSTALLATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES
- (2) INSTALL VELOCITY DISSIPATION DEVICES SEE BMP SHEET SS-10 FOR APPLICATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES.

EROSION AND SEDIMENT CONTROL NOTES:

- 1. FOR BMP SHEETS REFER TO CALTRANS (MARCH 2003) AND SDG&E WATER QUALITY CONSTRUCTION BEST MANAGEMENT PRACTICES MANUAL (DECEMBER 2002) AND PROJECT'S FINAL APPROVED SWPPP.
- 2. CONTRACTOR TO IMPLEMENT STREET SWEEPING AND VACUUMING (PER BMP SHEET SC-7/BMP 1-07) ALONG ALL AREAS OF SOIL DISTURBANCE ALONG THE EXISTING ROADWAY.
- 3. VEHICLE AND EQUIPMENT CLEANING, FUELING, AND/OR MAINTENANCE (PER BMP SHEETS NS-8/BMP 3-03, NS-9/BMP 3-04, AND NS-10 RESPECTIVELY) SHALL NOT BE PERFORMED ON SITE.
- 4. IF DISCHARGES FROM IRRIGATION LINES, POTABLE WATER LINES, OR HYDRANT FLUSHING OCCUR ONSITE, CONTRACTOR MUST IMPLEMENT POTABLE WATER/IRRIGATION PER BMP SHEET NS-7, AS NECESSARY.
- 5. CONTRACTOR ALSO TO IMPLEMENT THE FOLLOWING CONSTRUCTION BMPS, AS NECESSARY:
 - SCHEDULING, PER BMP SHEETS EC-1/BMP 1-01
- WIND EROSION CONTROL, PER BMP SHEETS WE-1/BMP 4-08
 WATER CONSERVATION PRACTICES, PER BMP SHEET NS-1
 ILLICIT CONNECTION/DISCHARGE, PER BMP SHEETS NS-6/BMP 2-06
- 6. NO WORK HAVING THE POTENTIAL TO CAUSE WATER POLLUTION, AS DETERMINED BY THE ENGINEER, SHALL BE PERFORMED UNTIL THE SWPPP HAS BEEN CURRENTED TO THE ENGINEER BY THE CONTRACTOR AND APPROVED
- 7. THE CONTRACTOR SHALL CONSIDER OTHER CONTROL MEASURES, AS NECESSARY, TO SUPPLEMENT THE CRITICAL TEMPORARY CONTROL MEASURES SHOWN ON THESE PLANS, IN ORDER TO MEET THE POLLUTION CONTROL OBJECTIVES OF THE SWPPP.

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PROFESSIONAL CONTROL C

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

DATE BY: APP'D: EROSION CONTROL PLANS FOR
SPL-06 (LINK 4) LORITZ IMPROVVEMENTS
EROSION CONTROL PLAN

PLOT SCALE: 1 = 1

CHECKED BY:

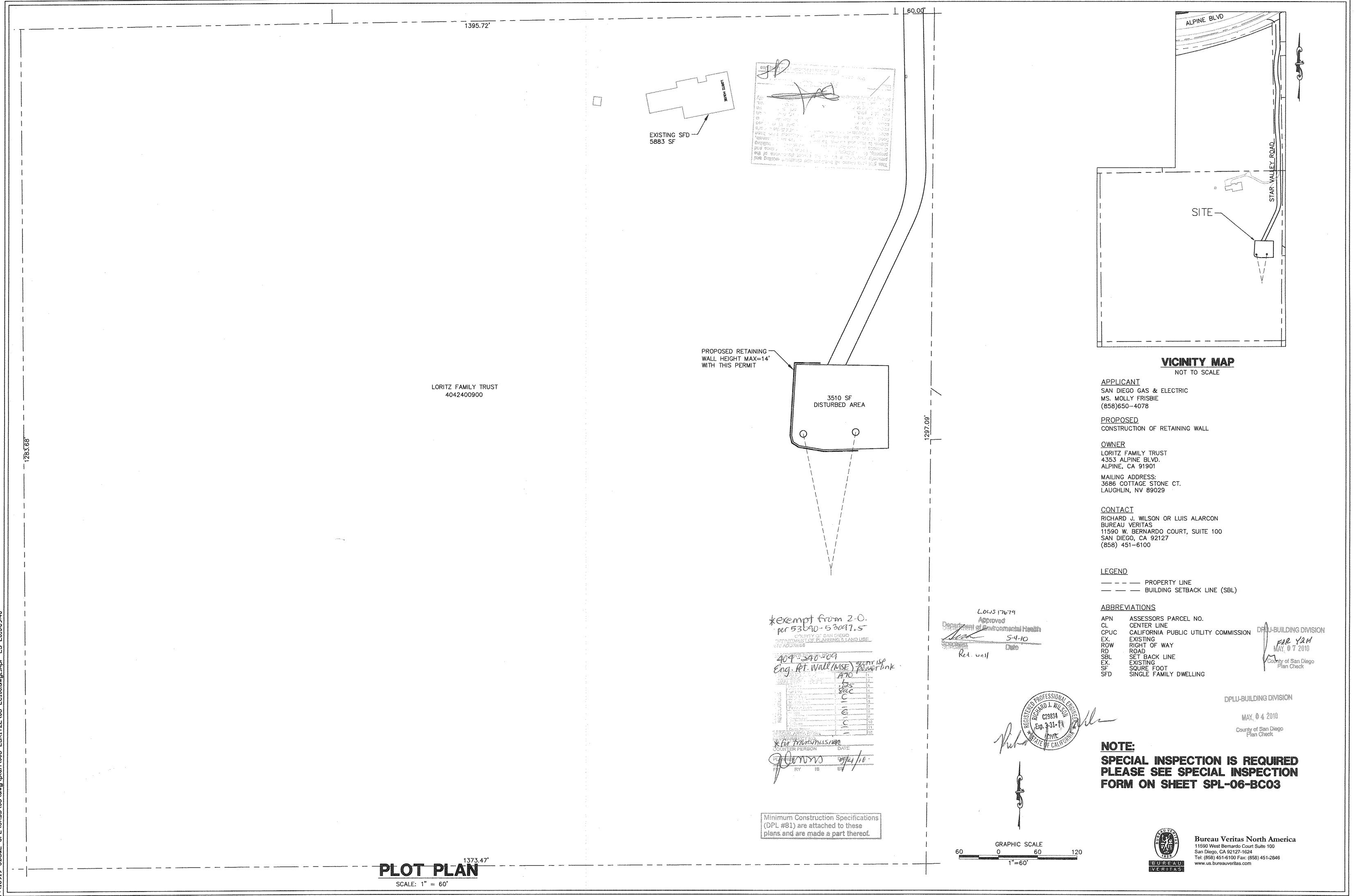
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DATE:

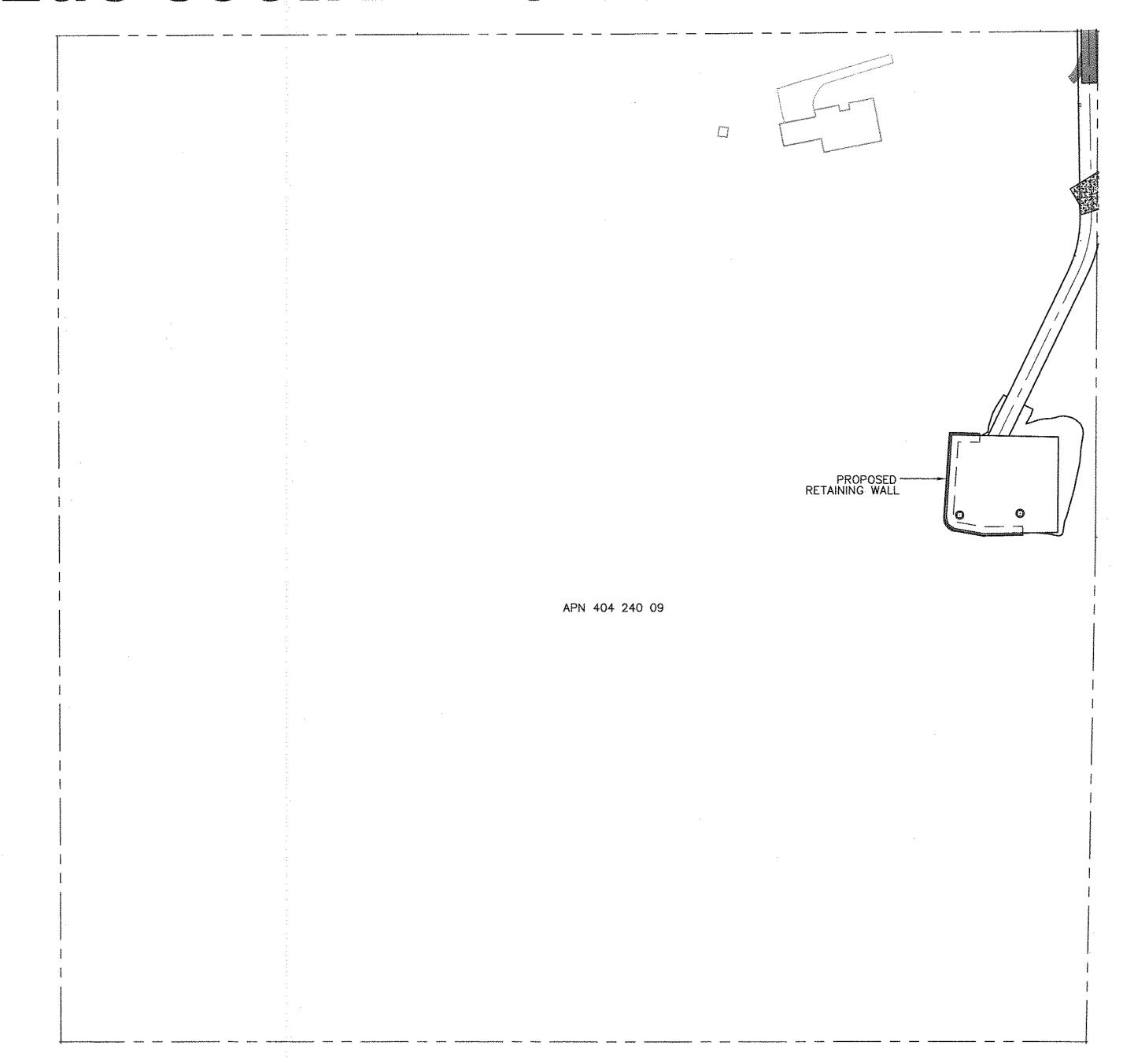
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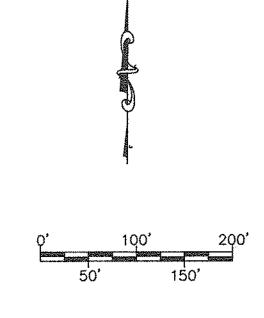
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06-LC100

LORTUZ IMPROVERMENU PLAN - APN 404-240-09 SAN DIEGO COUNTY BUILDING PERMIT SEU





ON-SITE WORK TO BE DONE

SITE / ACCESS ROAD

PLOT PLAN
SITE PLAN
LEGEND AND GENERAL NOTES
MSE WALL PLAN & PROFILE
MSE WALL DETAILS
MSE WALL DETAILS
MSE WALL DETAILS
EROSION CONTROL PLAN

SHEET NUMBER

SPL 06-LC100 SPL 06-LC101 SPL 06-LC102 SPL 06-LC103 SPL 06-LC104 SPL 06-LC105 SPL 06-LC106 SPL 06-LC107

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SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA

SPL-006 (LINK 4) LORITZ IMPROVEMENTS SITE PLAN

RAWN BY: J.PIORKOWSKI DATE: REV. 0 ECKED BY: DATE: SPL-06-LC101 DATE: PROVED BY: PLOT SCALE: 1 == 1

GENERAL NOTES

- THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTION TO THE CONTRACTOR BY THE ENGINEER OF WORK:
- 1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE PORTIONS OF THE PROJECT'S SPECIFICATIONS.
- 2. NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT ALL FILL IN STRICT ACCORDANCE WITH SDG&E'S SPECIFICATIONS. A GEOTECHNICAL ENGINEER WILL BE THE OWNER'S REPRESENTATIVE TO INSPECT THE CONSTRUCTION OF FILLS. THE EXCAVATION AND THE PLACEMENT OF FILL WILL BE UNDER THE DIRECT INSPECTION OF THE GEOTECHNICAL ENGINEER, AND HE WILL GIVE WRITTEN NOTICE OF CONFORMANCE WITH THE SPECIFICATIONS UPON COMPLETION OF GRADING. DEVIATIONS FROM THE PROJECT'S SPECIFICATIONS WILL BE PERMITTED ONLY UPON WRITTEN AUTHORIZATION FROM THE GEOTECHNICAL ENGINEER OR THE SDG&E REPRESENTATIVE.
- 4. OBSERVATIONS AND COMPACTION TESTS WILL BE MADE BY THE GEOTECHNICAL ENGINEER DURING THE FILLING AND COMPACTING OPERATIONS SO THAT HE CAN STATE HIS OPINION THAT THE FILL WAS CONSTRUCTED IN ACCORDANCE WITH SDG&E'S SPECIFICATIONS.
- 5. DURING CONSTRUCTION: THE CONTRACTOR SHALL GRADE ALL EXCAVATED AND FILLED SURFACES TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING OF WATER. HE SHALL CONTROL SURFACE WATER TO AVOID DAMAGE TO ADJOINING PROPERTIES OR TO FINISH WORK ON THE SITE. THE CONTRACTOR SHALL TAKE REMEDIAL MEASURES TO PREVENT FROSION OF FRESHLY GRADED AREAS. AND UNTIL SUCH TIME AS PERMANENT DRAINAGE AND EROSION CONTROL MEASURES HAVE BEEN INSTALLED. AFTER GRADING IS COMPLETED AND THE GEOTECHNICAL ENGINEER HAS FINISHED HIS OBSERVATIONS OF THE WORK, NO FURTHER EXCAVATION OR FILLING SHALL BE DONE, EXCEPT UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
- 6. CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING THE GRADING OPERATIONS.
- 7. BRUSH AND TREES SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED. WHEN TREES ARE REMOVED, THE ROOT SYSTEMS SHALL ALSO BE REMOVED AND THE RESULTING EXCAVATION FILLED WITH PROPERLY COMPACTED FILL SOILS.
- 8. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH AND UNIFORM SURFACE OR CROSS-SECTION. THE SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS DIRECTED BY THE SDG&E REPRESENTATIVE AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPE SHALL BE REMOVED AND DISPOSED OF.
- 9. GRADING SHALL BE DONE WITHIN A TOLERANCE OF ±0.1' OF THE GRADES AND ELEVATIONS SHOWN ON THESE PLANS AND ALL SLOPES SHALL BE CONSTRUCTED WITHIN ±0.5' OF THE LOCATION SHOWN ON THESE PLANS. IN NO WAY SHALL THE ABOVE TOLERANCES RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PROVIDING A FINISH THAT WILL NOT POND WATER.
- 10. ANY QUANTITIES INDICATED ON THESE PLANS ARE ENGINEERS' ESTIMATES ONLY AND ARE NOT TO BE USED BY CONTRACTOR FOR BIDDING PURPOSES.
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND BRING DISCREPANCIES TO THE ATTENTION OF THE SDG&E REPRESENTATIVE PRIOR TO STARTING CONSTRUCTION.
- 12. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT TITLED "GEOTECHNICAL EVALUATION - ACCESS ROADS AND STRUCTURAL PADS SUNRISE POWERLINK BY URS, DATED, OCTOBER 16, 2009. URS PROJECT No.27669019.0002

EROSION CONTROL NOTES

- 1. ALL POLE & TOWER MAINTENANCE PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING
- 2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
- 3. ALL GRADED CUT OR FILL SLOPES SHALL BE HYDROSEEDED TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY IN ACCORDANCE WITH THE PROJECT'S
- 4. FIBER ROLLS SHALL BE PLACED AT TOP, TOE AND FACE (15 FOOT INTERVALS) OF GRADED ALL CUT AND FILL SLOPES TO INTERCEPT RUNOFF AND REDUCE: EROSION IN ACCORDANCE WITH THE PROJECT'S SPECIFICATIONS.

COUNTY OF SAN DIEGO CONSTRUCTION NOTES

- 1. ALL ASPHALT CONCRETE SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS. 2006 SECTION 39 AND SHALL HAVE A BASE COURSE OF TYPE A 3/4" MAXIMUM COURSE AND A 2" FINAL LIFT (OR 2" OVERLAY) USING TYPE B, 1/2" MAXIMUM, MEDIUM GRADATION
- 2. AGGREGATE BASE SHALL CONFORM TO CALTRANS SECTION 26 CLASS II AGGREGATE
- 3. ALL OTHER WORK IN COUNTY OF SAN DIEGO PUBLIC RIGHT OF WAY SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS OR STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION WITH REGIONAL SUPPLEMENT AMENDMENTS (LATEST ADOPTED EDITION)
- WORK WITHIN COUNTY RIGHT OF WAY IS SUBJECT TO COUNTY CONSTRUCTION/ ENCROACHMENT PROCESS AND MAY REQUIRE CONSTRUCTION TRAFFIC CONTROL TO MITIGATE SIGHT DISTANCE AND CONSTRUCTION WITHIN THE COUNTY RIGHT OF WAY

COUNTY OF SAN DIEGO BUILDING DIVISION NOTES

- 1. THE APPROVAL OF PLANS AND SPECIFICATIONS DOES NOT PERMIT THE VIOLATION OF ANY SECTION OF THE BUILDING CODE, COUNTY ORDINANCES, OR STATE LAW. THE FOLLOWING LIST DOES NOT NECESSARILY INCLUDE ALL ERRORS AND OMISSIONS. (SEE THE 2007 CALIFORNIA BUILDING CODE, APPENDIX CHAPTER 1, SECTION 105.4)
- 2. TWO (2) COPIES OF THE FINAL COMPACTION REPORT SHALL BE SUBMITTED TO THE INSPECTOR PRIOR TO FINAL INSPECTION.

DATE BY: APP'D: NO.

WORK DONE



2007 California Building Code, Chapter 17.

COUNTY OF SAN DIEGO . DEPARTMENT OF PLANNING AND LAND USE

NOTICE OF REQUIREMENT FOR SPECIAL INSPECTION

You are hereby notified that, in addition to the inspection of construction provided by the Department of Planning and Land Use, Building Division, an approved registered special inspector is required to provide special inspection and/or structural observation during construction of the proposed project as indicated on this form. This form shall be completed. All work requiring special inspection must be identified as well as the name and phone number of the special inspector identified to perform the special inspections. The registered special inspector shall be approved by the Building Official prior to the issuance of the building permit. Special inspectors having a current certification from the City of San Diego are approved

as special inspectors for the type of construction for which they are certified. Special inspection and/or structural observation requirements and reports shall be in compliance with the

The inspections required to be performed by a special inspector are in addition to and do not change the requirements for the inspections normally required by the 2007 California Building Code as amended and

adopted by the County of San Diego and performed by the Building Division inspection personnel.

The special inspector is not authorized to inspect and approve any work other than that for which they are certified. The special inspector is not authorized to accept alternate materials, structural changes, or any requests for plan changes. The special inspector is required to submit to the building inspector in the field written reports of all work that they inspected and approved. Approval of final inspection will not be granted by the Department of Planning and Land Use, Building Division, until a last and final report documenting required special inspections and correction of any discrepancies noted in the inspection reports has been submitted to the building inspector in the field and approved by the Building Division.

For occupancies in Group R-3 and occupancies in Group U that are accessory to a residential occupancy some exceptions are permitted per the Department of Planning and Land Use, Building Division special inspection policy to not require special inspection or to allow structural observation in lieu of the required special inspections. These exceptions are noted in the table on page two of this form. In cases where the lesign engineer of record has specified a more restrictive requirement for special inspection and/or structural observation, the project shall comply with the requirements of the engineer of record.

Structural observation is the visual observation of the structural system by a registered design professional A letter shall be provided describing the results of structural observation prior to approval of final inspection. The letter shall be submitted to the building inspector in the field and approved by the Building Division.

THIS COMPLETED FORM MUST BE MADE A PERMANENT, PRINTED PART OF THE PLANS. (Taped, glued, stapled, etc. copies will not be accepted)

5201 RUFFIN ROAD, SUITE B, SAN DIEGO, CA 92123 • (859) 565-5920 » (888) 336-7553 HTTP://WWW.SDCDPLU.ORG DPLU #006 REV-G6/01/2009 Page 1 of 2

WORK REQUIRING SPECIAL INSPECTION	AND LOCATION	DESIGN STRENGTH	NAME OF SPECIAL INSPECTOR	PHONE NUMBER O SPECIAL INSPECT
SPECIAL INSP	ECTIONS REQU	IRED BY C	BC SECTION 1704	
*FOR R-3 AND U	OCCUPANCIES ACCESS	ORY TO RESIDE	ENTIAL OCCUPANCIES	
TEMS 1b, 2a (WHEN Fc≤3.000 ps STRUCTURAL OBSERVATION IS PERMITTED IN	SPECIAL INSPECTION IS). 2c, 3e (WHEN fm ≤ 1,5 I LIEU OF SPECIAL INSP	NOT REQUIRED 100 psi), 35 (WHE) ECTION FOR ITE	O FOR: N WALL HEIGHT IS \$ 10 FT.), FMS 39, 30 (WHEN WALL HEI	6.7,8,89. GHT IS > 10 FT.), AND 4
1.) Steel Construction	1.			1
a.) Fleid weiting				
b.) Steel frame*	N/A			}·
c.) High-strength bolts				
2.) Concrete Construction				
a.) f _c > 2,500 psi*				
b.) Anchors	1			***************************************
c.) Structural stabe.	N/A		<u> </u>	
d.) Pre-stressed/post-tensioned stats	N/A	···.		-
3.) Masonry Construction	N/A	·	<u> </u>	
a.) Masonry construction*	N/A			
b.) Site wells other than County Standard plans*	11773		<u> </u>	<u> </u>
4) Wood Censtruction	N/A			
a) High-load diaphregris*	· · · · · · · · · · · · · · · · · · ·	<u> </u>		·
5.1 Foundations			÷	2
a.) Pile foundations	N/A			<u> </u>
b) Pier foundations	ny A	· .		
6) Sprayed fire-resistant materials*	N/A			
7.) Mastis and intumescent fire resistant coatings	N/A		[<u>{</u>
Exterior insulation and finish systems (EIFS)*	N/A			
Smoke control systems*	N/A		<u>t</u>	
9.) Special cases	14/7		<u> </u>	· .
a.) MSE WALL CONSTUCTION			GARY HEINBACH	(951) 840-59
			CHILL REPUTOR	(301) 070-0
b)				
SPECIAL INSPECTIONS FOR	SEISMIC RESIS	TANCE RE	CONKED BA CRC :	SECTION 1707
*R-3 AND U CC	CUPANCIES ACCESSO	RY TO RESIDEN	TIAL OCCUPANCIES NSPECTION FOR ITEMS CA	
A) Field weiging	JW 16 PERMITTED IN CIE	O OF SPECIAL II	NSPECTION FORTIEMS CA	1
B.) Structural wood field gluing of elements of the	<u> </u>			
seismic-force-resisting system	N/A		<u> </u>	
Structural wood neiling, boiling, anchoring and other fastening of components within the seismic force-resisting system where fastener spacing of sheathing is 4 inches o.c. or less:	N/A			
D.) Cold-formed steel framing*	N/A			<u></u>
E.). Pier foundations	N/A		*************************************	1
F.) Storage racks and access floors	N/A			
G.) Architectural components for structures	N/A			1
greater than 30 feet in height	⊥ N/A		} 	
H.) Designated seismic system verifications	⊥ N/A		<u> </u>	
They bedry annound of the transfer of the tran			3	£ .
L) Designated seamic system verifications	N/A	·	<u> </u>	

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WORK DONE

DATE BY: APP'D: NO.

REVISIONS

WORK DONE

<u>LEGEND</u>

STATION INDICATES NEW TOWER INDICATES EXISTING STEEL POLE - VERTICAL PROFILE F.G. ELEV. ABOVE --- VERTICAL PROFILE E.G. ELEV. BELOW NEW TRANSMISSION LINE 440 (F.G.) FINISH GRADE CONTOURS (E.G.) EXISTING GRADE CONTOURS (206.2)EXISTING GROUND ELEVATION FILL SLOPE 2:1 UNLESS SHOWN OTHERWISE CUT SLOPE 2:1 UNLESS SHOWN OTHERWISE RIDGE LINE DAYLIGHT LINE DIRECTION OF FLOW CUT CUT/FILL LINE ____ FILL CONCRETE DOWN DRAIN, SEE DETAIL RIPRAP ENERGY DISSIPATOR, SEE DETAIL CORRUGATED METAL PIPE WITH FLARED END SECTIONS, SEE PLANS FOR, PIPE SIZES, AND ENERGY DISSIPATOR. DROP OUTLET PER SDRSD D-16 TYPE B, INLET \circ PIPE 24" AND OUTLET PIPE 12" DIAMETER CONCRETE DRAINAGE DITCH, SEE DETAIL DRAINAGE DITCH BEHIND MASONRY CUT RETAINING WALL, SEE DETAIL RETAINING WALL, FILL RETAINING WALL, CUT

ABBREVIATIONS

EXISTING GRADE

DETAIL LABEL (SHEET #)

FINISHED GRADE TOP OF WALL BOTTOM OF WALL AT FINISHED GROUND FLOW LINE DPLU-BUILDING DIVISION UP STREAM DOWN STREAM MAY. 0 7 2010 CORRUGATED METAL PIPE County of San Diego

RELATIVE COMPACTION

CHECKED BY:

CAD NO.:

DATE BY: APP'D:

DPLU-BUILDING DIVISION

MAY 0 4 2010 County of San Diego Plan Check

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SAN DIEGO, CALIFORNIA (LINK 4) LORITZ IMPROVEMENTS

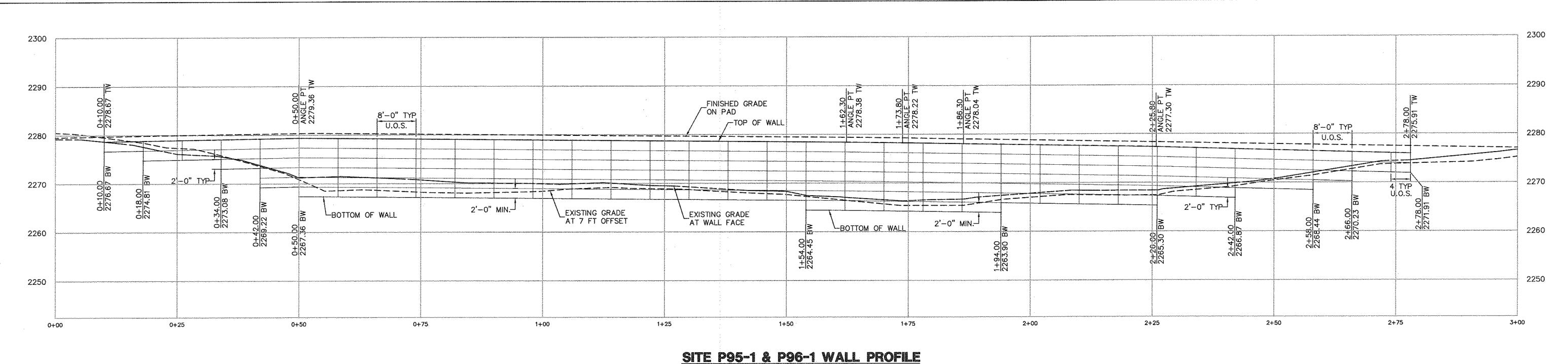
GENERAL NOTES AND LEGENDS

DRAWN BY: JJP SCALE: AS NOTED W.O. REV. SPL-06-LC102 APPROVED BY: DATE: PLOT SCALE: 1=1

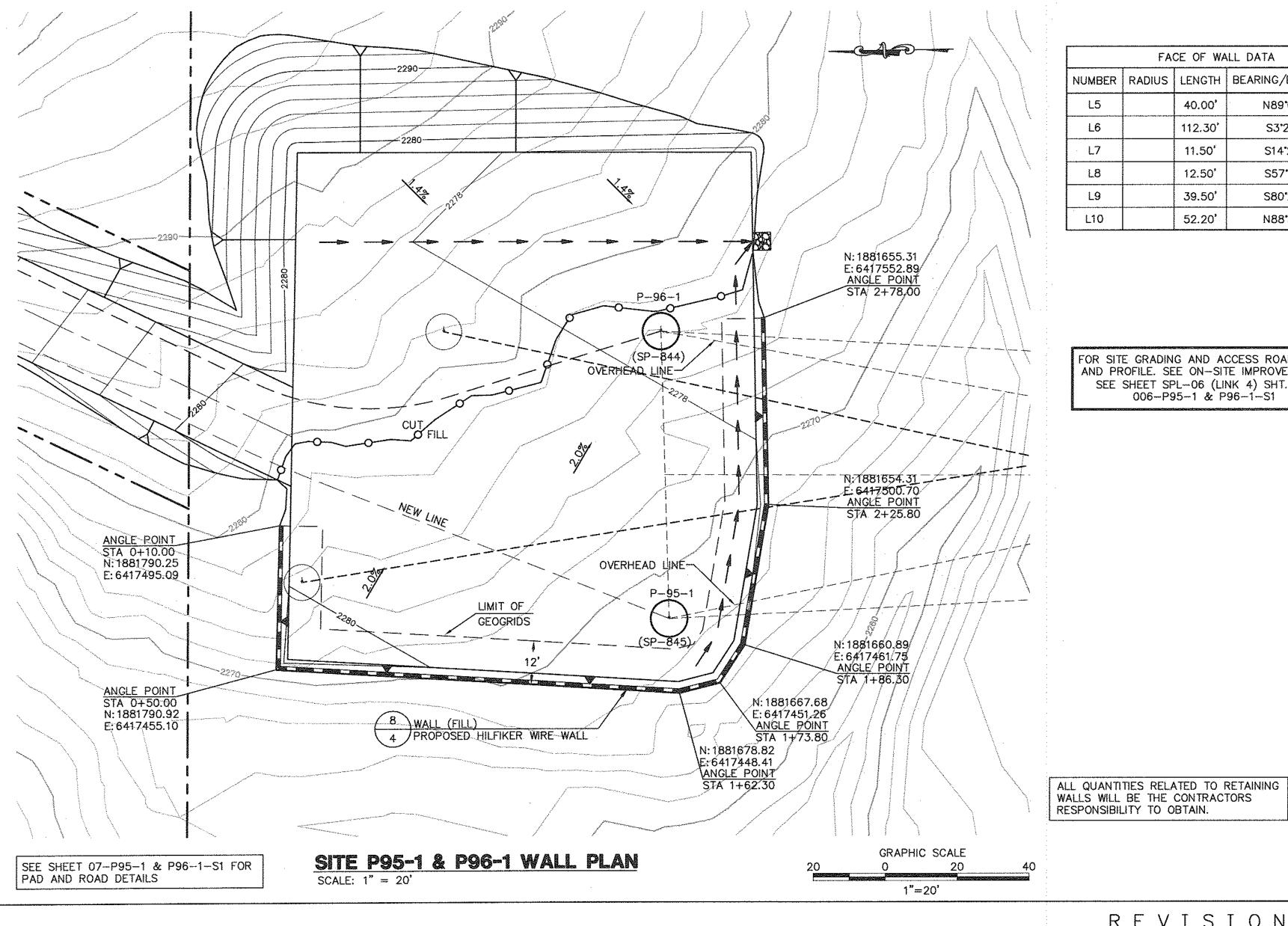
VERITAS

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LORITZ 95-96



SCALE: 1" = 10' HORIZ. & VERT. U.O.S. = UNLESS OTHERWISE SHOWN



FACE OF WALL DATA								
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE					
L5		40.00'	N89°01'49"W					
L6		112.30	S3°25'02"W					
L7		11.50	S14*20'56*E					
L8		12.50'	S57*06'21"E					
L9		39.50'	S80'24'29"E					
L10		52.20'	N88*53'50"E					

FOR SITE GRADING AND ACCESS ROAD PLAN AND PROFILE. SEE ON—SITE IMPROVEMENTS, SEE SHEET SPL-06 (LINK 4) SHT. No. 006-P95-1 & P96-1-S1

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SPL-06-LC103

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PLOT SCALE: 1 = 1

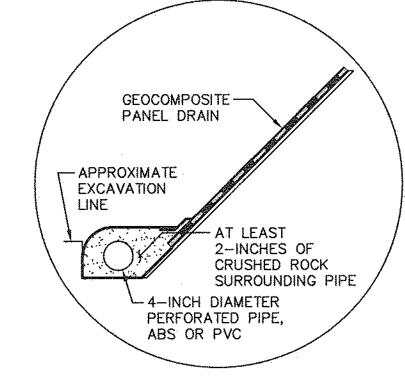
DATE:

SAN DIEGO GAS & ELECTRIC COMPANY SAN DIEGO, CALIFORNIA PL-6 (LINK 5) LORITZ IMPROVEMENTS

MSE WALL PLAN AND PROFILE REV. 0

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27						REVISIONS	:			
SPI	BY: APP'D:	DATE	WORK DONE	APP'D: NO.	DATE BY:	WORK DONE		DATE BY: APP'D: NO.	WORK DONE	NO.
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CAD NO										



ROCK BLANKET ALTERNATIVE

GEOCOMPOSITE PANEL ALTERNATIVE

WALL BACK DRAINAGE NOTES:

- 1. PERFORATED PIPE SHOULD OUTLET THROUGH A SOLID PIPE TO A FREE GRAVITY OUTFALL AT MAX 100' SPACING. PERFORATED PIPE AND OUTLET PIPE SHOULD HAVE A FALL OF AT LEAST 2%.
- 2. FILTER FABRIC SHOULD CONSIST OF MIRAFI 140N, OR SIMILAR APPROVED PRODUCT. FILTER FABRIC SHOULD BE OVERLAPPED PER MANUFACTURES INSTRUCTIONS.
- 3. DRAIN INSTALLATION SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO BACK FILLING.
- 4. SUBSURFACE BACK DRAINAGE MAY BE REDUCED IF THE SOILS USED IN THE REINFORCED AND RETAINED ZONES ARE RELATIVELY "FREE DRAINING" AS APPROVED BY GEOTECHNICAL ENGINEER, CONTRACTOR TO ASSUME 20 PERCENT OF WALL SQUARE FOOTAGE REQUIRES BACK DRAINAGE.
- 5. IF ROCK BLANKET BACK DRAIN ROCK IS SUBSTITUTED WITH CALTRANS CLASS II PERMEABLE AGGREGATE THE FILTER FABRIC CAN BE ELIMINATED.

MSE WALL BACKFILL NOTES:

- 1. CONTRACTOR IS ADVISED THAT MOST ONSITE SOILS WILL BE VIABLE FOR MSE WALL BACKFILL UTILIZING 3" TO 4" BAR SCREEN TO CONFORM SOILS TO FOLLOWING TABLE BELOW CARE SHOULD BE TAKEN TO SELECT BACKFILL MATERIAL THAT IS FREE OF EXCESSIVE FINES AND ORGANIC MATERIAL.
- 2. CONTRACTOR TO OBTAIN GEOTECHNICAL APPROVAL OF BOTTOM CUT AND 7' OFFSET FROM SLOPE FACE PRIOR TO PLACEMENT OF ANY GEOGRID OR WIRE MATS. MSE RETAINING WALLS SHOULD BE FOUNDED ON PROPERLY COMPACTED OR RELATIVELY UNDISTURBED WEATHERED GRANITIC ROCK MATERIALS AS APPROVED BY THE GEOTECHNICAL ENGINEER.
- 3. GEOTECH ENGINEER AND MANUFACTURER'S REPRESENTATIVE SHALL OBSERVE AND APPROVE BACKFILL MATERIALS AND PROCEDURES DURING BACKFILL AND CONSTRUCTION

CONSTRUCT 36"-HIGH CABLE RAILING FINISHED PAD GRADE PER CALTRANS B11-47 W/ 12" DIA. WALL LAYOUT PER PROJECT PLANS BY 2' DEEP CONC. POSTS. LINE 12" MIN __1% MIN CAP MAT TOP OF WALL PRONGLESS MAT TOP LIFT ONLY BATTER VERTICAL WALL 1:48 - BACKFILL PER NOTES HEREON. USE BAR SCREEN TO PROVIDE 3"-6" ROCK FOR FACING BASKETS, OR SIMILAR MATERIAL APPROVED BY THE FILTER FABRIC TYP. ENGINEER. STANDARD FACING MATS TYP. COMPACTED COMMERCIALLY BACKFILL PER GALVANIZED SLOPE BACK CUT-NOTES HEREON PER CONTRACTOR ASSUME 3/4:1 AVERAGE 山 12" MIN SELECT GRANULAR POROUS SOIL 2' TYPICAL TO THE SATISFACTION OF THE ENGINEER OR GEOCOMPOSITE ALTERNATIVE AS SHOWN IN DETAILS ABOVE. -EXISTING GRADE NOTE: USE SF90 GEOGRID ON LOWER LAYERS FOR WALLS 32' AND TALLER PER TABLE AT RIGHT

6" SOLID WALL HDPE @ 2% MIN

TYPICAL HILFIKER WELDED WIRE WALL SECTION 8

DAYLIGHT TO FACE OF SLOPE

AT LOW POINTS

B = BASE DEPTH OF WALL - 7' MIN - 7

WORK DONE

MSE WALL BACKFILL GRADATION REQUIREMENTS

SEIVE SIZE	RECOMMENDED GRADATION PERCENT PASSING BY WEIGHT
100mm (4 INCH)	100-75
4.76mm (NO. 4)	20-100
0.425mm (NO. 40)	0-60
0.075mm (NO. 200)	0-35
PLASTICITY INDEX (PI)	< 20

- a. A PI < 8 IS RECOMMENDED TO MINIMIZE EXPANSIVE POTENTIAL AND PROVIDE SUITABLE DRAINAGE CHARACTERISTICS
- b. mm MILLIMETERS

EXISTING GRADE

7' OFFSET

MSE WALL GEOGRID LENGTHS

PRELIMINARY 0 = 35*	MIN. SOIL DESIGN PARAMETERS DENSITY < 130 PCF
HEIGHT (FT)	B= BASE DEPTH OF WALL
8'	9'
10'	10'
12'	10'
14'	12'
16'	13'
18'	15'
20'	16'
22'	18'
24'	20'
26'	21'
28'	23'
30'	24'
32'	26'-214*

* B DIST. - BOTTOM GRIDS WITH SF90 GEOGRID - TOP REMAINING GRIDS WITH SF65 GEOGRID

MSE WALL GEOGRID SPECIFICATIONS

WWW.SYNTEEN.COM, OR EQUAL APPROVED BY ENGINEER

SF 90 SOIL REINFORCEMENT GEOGRID UNIAXIAL GEOGRID THE STRENGTH IS IN THE LENGTH DIRECTION

SF 90 IS COMPOSED OF HIGH MOLECULAR WEIGHT, HIGH TENACITY MULTIFILAMENT POLYESTER. YARNS THAT ARE WOVEN INTO A STABLE NETWORK PLACED UNDER TENSION. THE HIGH STRENGTH POLYESTER YARNS ARE COATED WITH A PVC MATERIAL. SF SERIES GEOGRIDS ARE INERT TO BIOLOGICAL DEGRADATION AND ARE RESISTANT TO NATURALLY ENCOUNTERED CHEMICALS, ALKALIS AND ACIDS. SF SERIES GEOGRIDS ARE TYPICALLY USED FOR SOIL REINFORCEMENT APPLICATIONS SUCH AS RETAINING WALLS, STEEPENED SLOPES, EMBANKMENTS, SUBGRADE STABILIZATION, AND EMBANKMENTS OVER SOFT SOILS AND WASTE CONTAINMENT APPLICATIONS.

TENSILE PROPERTIES	TEST METHOD	MARV VALUES (LBS/FT)
ULTIMATE STRENGTH	ASTM D 6637	8500
]	
CREEP LIMITED STRENGTH	ASTM D 5262	5483
TAL = LONG TERM DESIGN STRENGTH	NCMA 97 *	4747
APERTURE SIZE (INS.)	MEASURED	0.75 x 0.75 OR SITE SPECIFIC AS REQUIRED

REDUCTION FACTOR FOR CREEP 1.55, REDUCTION FACTOR FOR DURABILITY 1.10 REDUCTION FACTOR FOR INSTALLATION DAMAGE (TYPE 3 SOIL) 1.05

FHWA/AASHTO REDUCTION FACTOR FOR CREEP 1.55, REDUCTION FACTOR FOR DURABILITY 1.15, REDUCTION FACTOR FOR INSTALLATION DAMAGE (TYPE 3 SOIL) 1.03

GRI GG4B REDUCTION FACTOR FOR CREEP 1.75, REDUCTION FACTOR FOR DURABILITY 1.10 REDUCTION FACTOR FOR INSTALLATION DAMAGE (TYPE 3 SOIL) 1.05

WWW.SYNTEEN.COM, OR EQUAL APPROVED BY ENGINEER

SOIL REINFORCEMENT GEOGRID UNIAXIAL GEOGRID THE STRENGTH IS IN THE LENGTH DIRECTION

SF 65 IS COMPOSED OF HIGH MOLECULAR WEIGHT, HIGH TENACITY MULTIFILAMENT POLYESTER YARNS THAT ARE WOVEN INTO A STABLE NETWORK PLACED UNDER TENSION. THE HIGH STRENGTH POLYESTER YARNS ARE COATED WITH A PVC MATERIAL. SF SERIES GEOGRIDS ARE INERT TO BIOLOGICAL DEGRADATION AND ARE RESISTANT TO NATURALLY ENCOUNTERED CHEMICALS, ALKALIS AND ACIDS. SF SERIES GEOGRIDS ARE TYPICALLY USED FOR SOIL REINFORCEMENT APPLICATIONS SUCH AS RETAINING WALLS, STEEPENED SLOPES, EMBANKMENTS, SUBGRADE STABILIZATION, AND EMBANKMENTS OVER SOFT SOILS AND WASTE CONTAINMENT APPLICATIONS.

FEBRUARY, 2006

TENSILE PROPERTIES	TEST METHOD	MARV VALUES (LBS/FT)
ULTIMATE STRENGTH	ASTM D 6637	6000
CREEP LIMITED STRENGTH	ASTM D 5262	3871
TAL = LONG TERM DESIGN STRENGTH	NCMA 97	3373
APERTURE SIZE (INS.)	MEASURED	0.75 × 0.75

RF CREEP - 1.55

RF DURABILITY - 1.10 RF INSTALLATION DAMAGE (SOIL TYPE 3) - 1.05

NOTE: SEE ADDITIONAL DETAILS ON SHEETS 5 & 6

DATE BY: APP'D:

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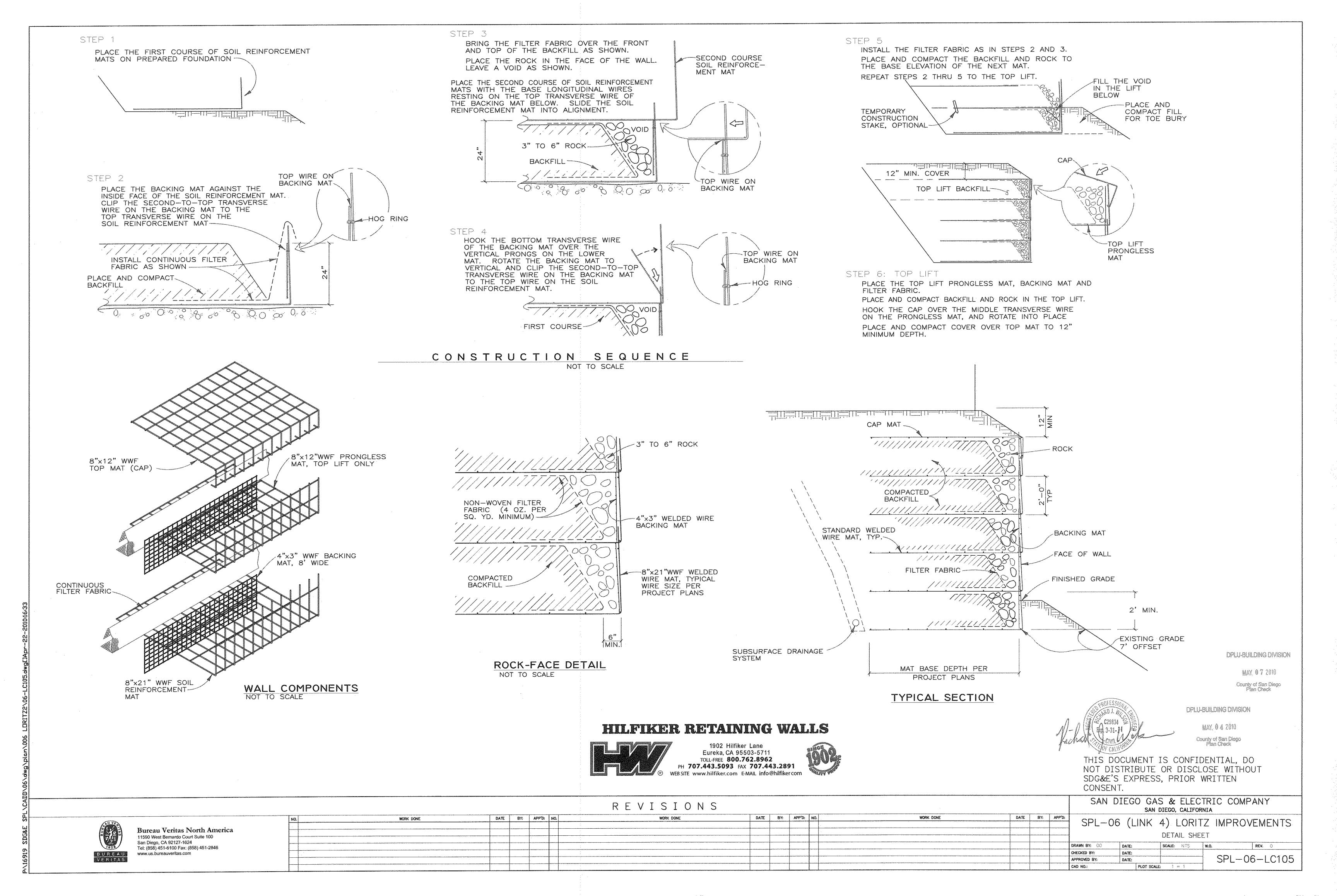
4"DRAINAGE SYSTEM

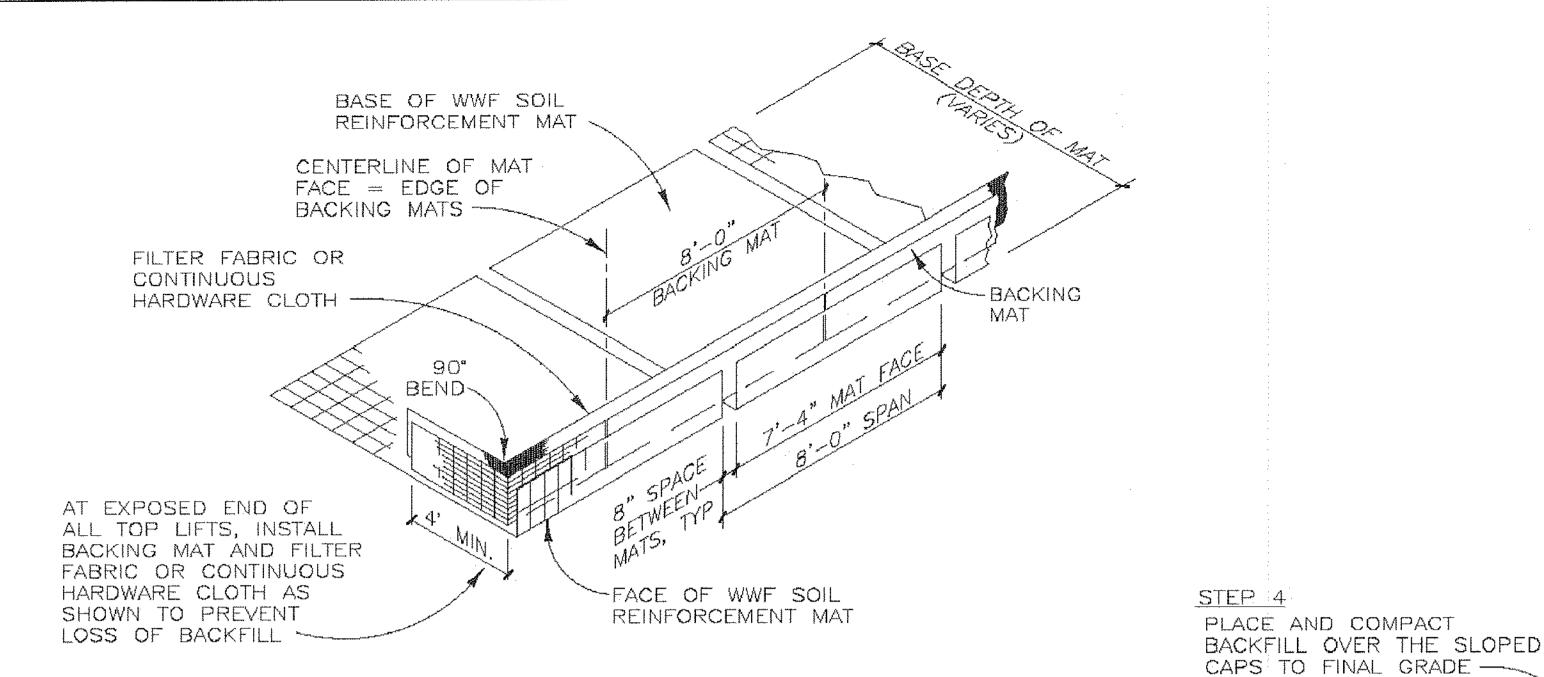
PER DETAIL

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DATE BY: APP'D: NO. WORK DONE SPL-06 (LINK 4) LORITZ IMPROVEMENTS DETAIL SHEET

REV. DRAWN BY: DATE: CHECKED BY: SPL-06-LC104 APPROVED BY: DATE:

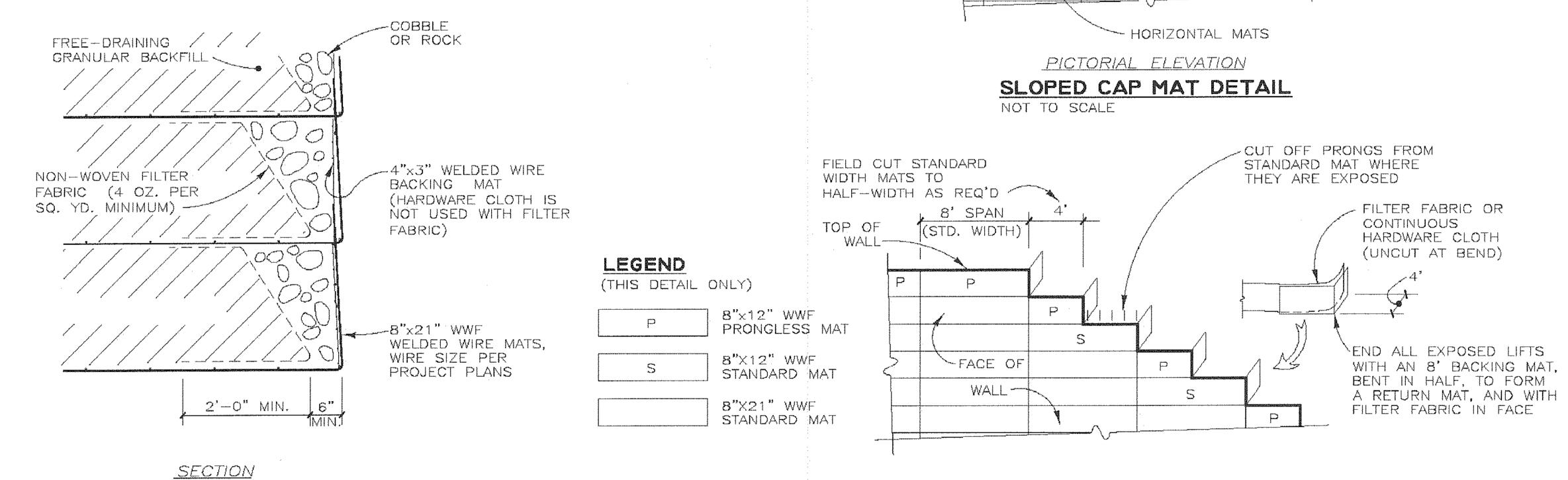




ISOMETRIC VIEW

WELDED WIRE WALL COMPONENTS WITH RETURN MAT

NOT TO SCALE



DATE BY: APP'D: NO.

WORK DONE

STEP 3

MAT FACES WITH.

CLIP CAPS TO

HOG RINGS

RETURN MATS AND TOP OF WALL DETAIL NOT TO SCALE

PLACE CAPS ON SLOPE

-FACE OF

WALL-

STEP 1

GRADE

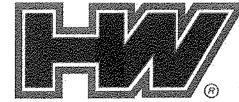
CUT OFF TOP OF THE MAT FACES, BACKING MATS, AND

CLOTH PARALLEL TO FINAL

CONTINUOUS HARDWARE

FILTER FABRIC OR

HILFIKER RETAINING WALLS



1902 Hilfiker Lane Eureka, CA 95503-5711 TOLL-FREE 800.762.8962 PH 707.443.5093 FAX 707.443.2891 WEB SITE www.hilfiker.com E-MAIL info@hilfiker.com



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DATE:

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PLOT SCALE: 1 == 1

SAN DIEGO GAS & ELECTRIC COMPANY REVISIONS SAN DIEGO, CALIFORNIA DATE BY: APP'D: NO. WORK DONE DATE BY: APP'D: SPL-06 (LINK 4) LORITZ IMPROVEMENTS DETAIL SHEET DRAWN BY: 00 SCALE: NTS W.O. REV. ()

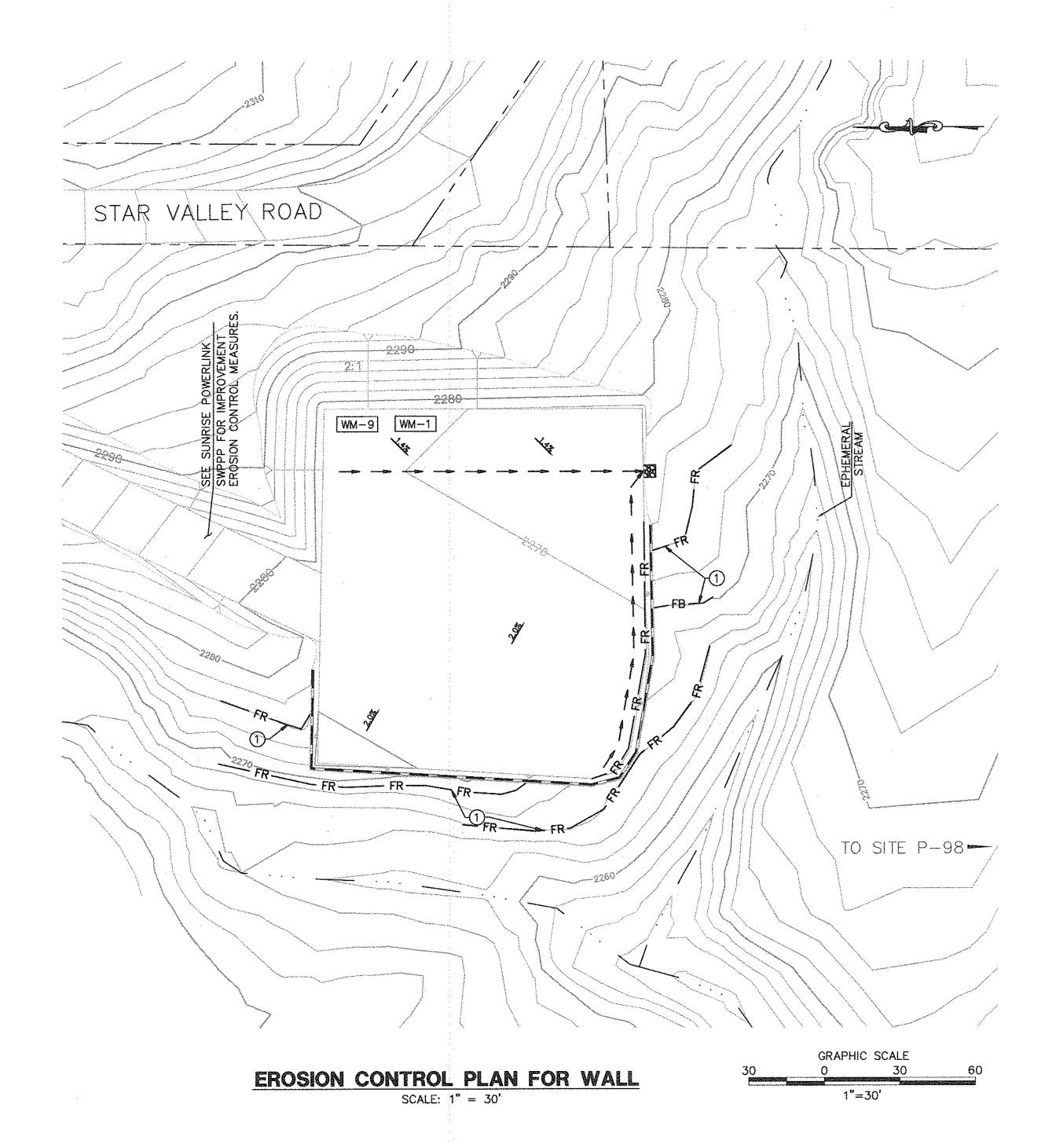


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ROCK FACING DETAIL

NOT TO SCALE





CALTRANS/ LEGEND SDG&E WATER QUALITY CONSTRUCTION BMP NOTE # MANUAL STD. DWG. SYMBOL DESCRIPTION GRADED SWALE SC-5/BMP 1-03 — FR----FIBER ROLLS WM-1 MATERIAL DELIVERY & STORAGE WM-9 SANITARY WASTE MANAGEMENT

CONSTRUCTION NOTES

INSTALL FIBER ROLLS. SEE BMP SHEETS SC-5/BMP 1-03 FOR INSTALLATION, MAINTENANCE, AND INSPECTION INSTRUCTIONS AND PROCEDURES.

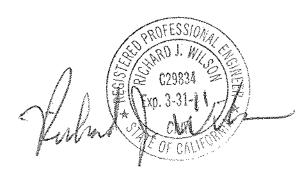
EROSION AND SEDIMENT CONTROL NOTES:

- 1. FOR BMP SHEETS REFER TO CALTRANS (MARCH 2003) AND SDG&E WATER QUALITY CONSTRUCTION BEST MANAGEMENT PRACTICES MANUAL (DECEMBER 2002) AND PROJECT'S FINAL APPROVED SWPPP.
- 2. CONTRACTOR TO IMPLEMENT STREET SWEEPING AND VACUUMING (PER BMP SHEET SC-7/BMP 1-07) ALONG ALL AREAS OF SOIL DISTURBANCE ALONG THE EXISTING ROADWAY.
- 3. VEHICLE AND EQUIPMENT CLEANING, FUELING, AND/OR MAINTENANCE (PER BMP SHEETS NS-8/BMP 3-03, NS-9/BMP 3-04, AND NS-10 RESPECTIVELY) SHALL NOT BE PERFORMED ON SITE.
- 4. IF DISCHARGES FROM IRRIGATION LINES, POTABLE WATER LINES, OR HYDRANT FLUSHING OCCUR ONSITE, CONTRACTOR MUST IMPLEMENT POTABLE WATER/IRRIGATION PER BMP SHEET NS-7, AS NECESSARY.
- 5. CONTRACTOR ALSO TO IMPLEMENT THE FOLLOWING CONSTRUCTION BMPS, AS NECESSARY:
- SCHEDULING, PER BMP SHEETS EC-1/BMP 1-01 - WIND EROSION CONTROL, PER BMP SHEETS WE-1/BMP 4-08
- WATER CONSERVATION PRACTICES, PER BMP SHEET NS-1 - ILLICIT CONNECTION/DISCHARGE, PER BMP SHEETS NS-6/BMP 2-06
- 6. NO WORK HAVING THE POTENTIAL TO CAUSE WATER POLLUTION, AS DETERMINED BY THE ENGINEER, SHALL BE PERFORMED UNTIL THE SWPPP HAS BEEN SUBMITTED TO THE ENGINEER BY THE CONTRACTOR, AND APPROVED.
- 7. THE CONTRACTOR SHALL CONSIDER OTHER CONTROL MEASURES, AS NECESSARY, TO SUPPLEMENT THE CRITICAL TEMPORARY CONTROL MEASURES SHOWN ON THESE PLANS, IN ORDER TO MEET THE POLLUTION CONTROL OBJECTIVES OF THE SWPPP.

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SAN DIEGO GAS & ELECTRIC COMPANY

SAN DIEGO, CALIFORNIA

DATE BY: APP'D: EROSION CONTROL PLANS FOR SPL-06 (LINK 4) LORITZ IMPROVEMENTS EROSIÓN CONTROL PLAN

CHECKED BY: SPL-06-LEC107 APPROVED BY: DATE: PLOT SCALE: 1 = 1

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REVISIONS

WORK DONE

DATE BY: APP'D: NO.

SUNRISE POWERLINK PROJECT SECTION 6 (LINK 4) 230kV LINE

- 2. THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARDS AND AS APPROVED BY THE COUNTY'S MATERIALS LABORATORY.
- 3. APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- 4. IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
- 5. ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, CROSS GUTTER AND PAVING.
- 6. ALL SLOPES OVER THREE FEET IN HEIGHT WILL BE PLANTED IN ACCORDANCE WITH SAN DIEGO COUNTY SPECIFICATIONS.
- 7. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
- 8. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES: SAN DIEGO GAS & ELECTRIC, PACIFIC BELL, CABLE TV, WATER DISTRICT, AND SANITATION DISTRICT.
- 9. A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT
- 10. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- 11. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
- 12. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM, OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION SILTING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEPICTED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
- 13. POWER SOURCES AND RUNS SERVING STREET LIGHTS SHALL BE SHOWN ON THE "AS-BUILT" IMPROVEMENT DRAWINGS. ALL SOURCES SHALL BE LOCATED WITHIN THE DEDICATED RIGHT-OF-WAY, OR WITHIN EASEMENTS DEDICATED TO THE COUNTY OF SAN DIEGO.
- 14. SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING DURING GRADING OPERATIONS, SUCH OPERATIONS WILL CEASE IMMEDIATELY, AND THE PERMITTEE WILL NOTIFY THE DIRECTOR OF PUBLIC WORKS OF THE DISCOVERY. GRADING OPERATIONS WILL NOT RECOMMENCE UNTIL THE PERMITTEE HAS RECIEVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PUBLIC WORKS.
- 15. NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED.

GENERAL NOTES (CONTINUED)

- 16. PRIVATE ROAD IMPROVEMENTS SHOWN HEREON ARE FOR INFORMATION ONLY. COUNTY OFFICIALS SIGNATURE HEREON DOES NOT CONSTITUTE APPROVAL OR RESPONSIBILITY OF ANY KIND FOR THE DESIGN OR CONSTRUCTION OF THESE PRIVATE IMPROVEMENTS. (IF APPLICABLE)
- 17. FINISHED GRADING SHALL BE CERTIFIED BY A REGISTERED CIVIL ENGINEER AND INSPECTED BY THE COUNTY ENGINEER FOR DRAINAGE CLEARANCE.

CONTRACTOR'S NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRATOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD COUNTY OF SAN DIEGO HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF COUNTY OF SAN DIEGO PROFESSIONALS.

ENGINEER'S NOTE

Bureau Veritas North America

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Tel: (858) 451-6100 Fax: (858) 451-2846

San Diego, CA 92127-1624

www.us.bureauveritas.com

UNAUTHORIZED CHANGES & USES: THE ENGINEER OF WORK PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

BASIS OF COORDINATES

THE BASIS OF COORDINATES OF THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 6, NAD 83 (1992). THE COORDINATES ARE DISPLAYED IN US SURVEY FEET. THE BASIS OF ELEVATIONS IS NAVD 88. ELEVATIONS ARE DISPLAYED IN US SURVEY FEET.

PLAN SHEET INDEX:

SHEET 1 TITLE SHEET
SHEET 2 LEGEND, NOTES, ABBREVIATIONS AND DETAILS

SHEET 3 TRAFFIC CONTROL DETAILS
SHEET 4 PERMIT 06-1

SHEET 5 PERMIT 06-1

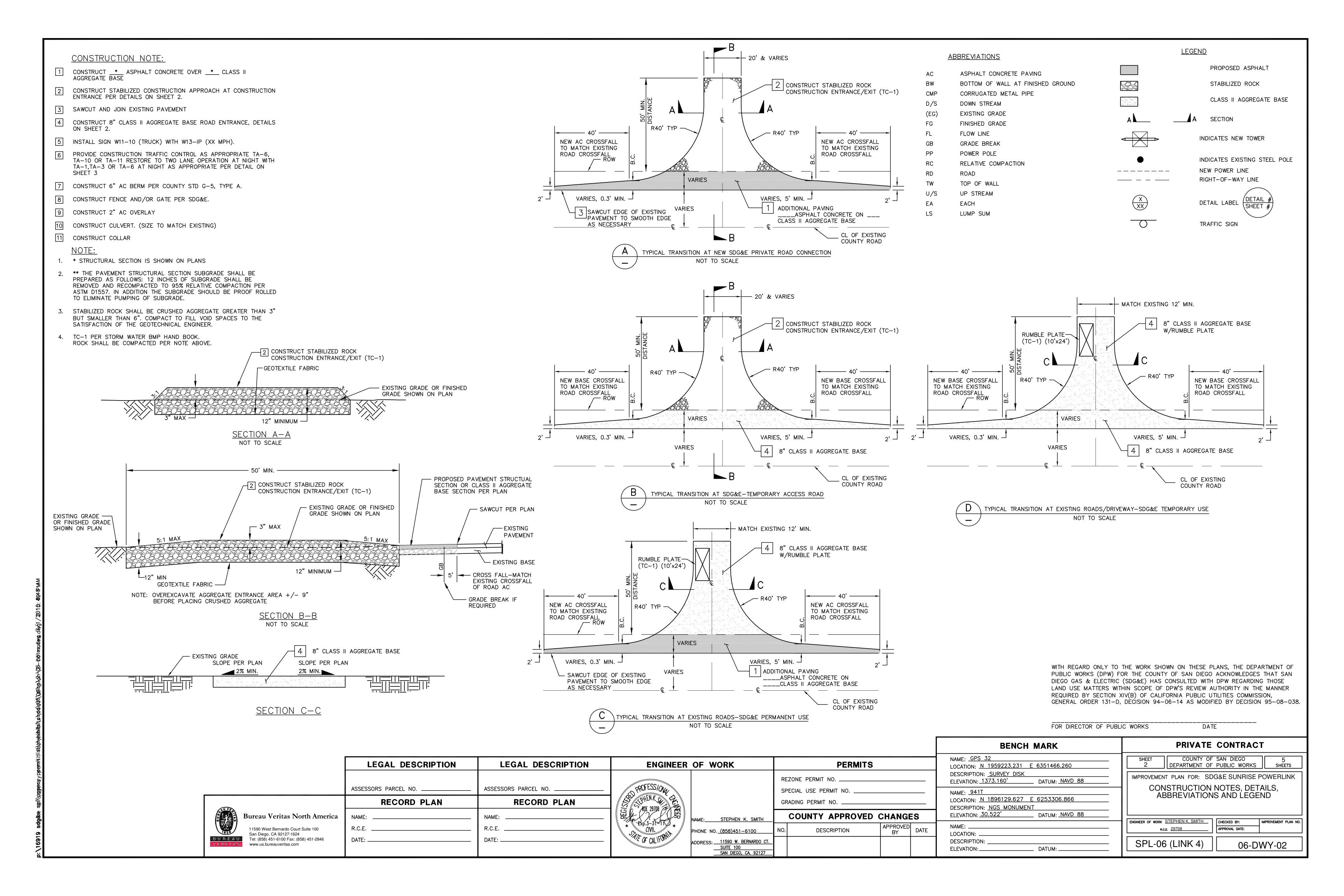


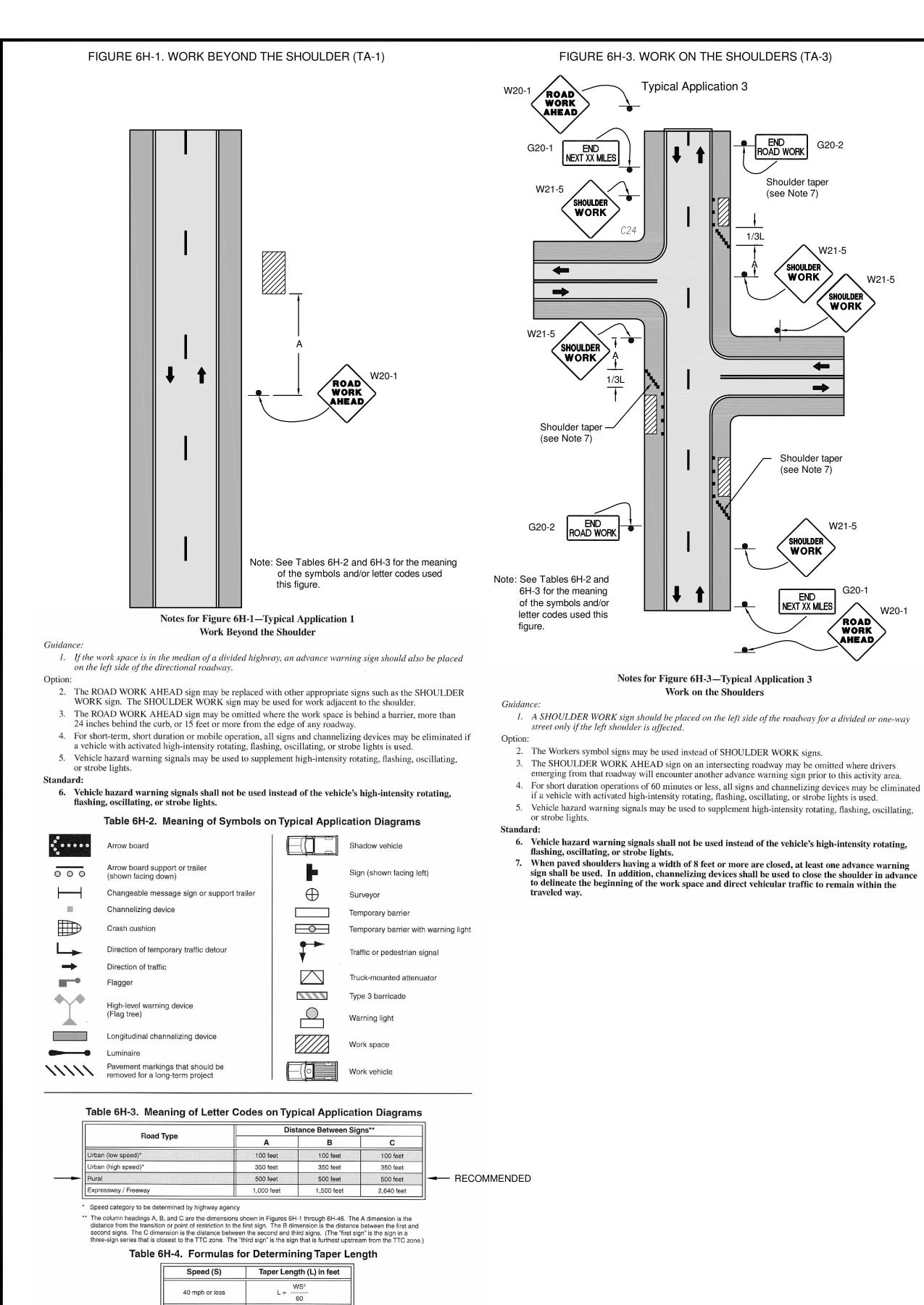
"CAUTION": TWO WORKING DAYS BEFORE YOU DIG REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHOM THEY WILL NOTIFY.

WITH REGARD ONLY TO THE WORK SHOWN ON THESE PLANS, THE DEPARTMENT OF PUBLIC WORKS (DPW) FOR THE COUNTY OF SAN DIEGO ACKNOWLEDGES THAT SAN DIEGO GAS & ELECTRIC (SDG&E) HAS CONSULTED WITH DPW REGARDING THOSE LAND USE MATTERS WITHIN SCOPE OF DPW'S REVIEW AUTHORITY IN THE MANNER REQUIRED BY SECTION XIV(B) OF CALIFORNIA PUBLIC UTILITIES COMMISSION, GENERAL ORDER 131-D, DECISION 94-06-14 AS MODIFIED BY DECISION 95-08-038.

FOR DIRECTOR OF PUBLIC WORKS DATE

LAYED IN US SURVEY FEET.	NAVD 88. ELEVATIONS ARE		INFORM YOU OF WHOM THEY WILL NOTIFY. NOTIFIES ONLY THOSE UTILITIES BELONGING TO	BENCH MARK	PRIVATE CONTRACT
LEGAL DESCRIPTION	LEGAL DESCRIPTION	ENGINEER OF WORK	PERMITS	NAME: <u>GPS 32</u> LOCATION: <u>N 1959223.231 E 6351466.260</u>	SHEET COUNTY OF SAN DIEGO 5 1 DEPARTMENT OF PUBLIC WORKS SHEETS
		OFFCC.	REZONE PERMIT NO	DESCRIPTION: <u>SURVEY DISK</u> ELEVATION: <u>1373.160'</u> DATUM: <u>NAVD 88</u>	IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK
ASSESSORS PARCEL NO	ASSESSORS PARCEL NO	PROFESS/ON	SPECIAL USE PERMIT NO	NAME: 941T	PRIVATE ROADWAY / DRIVEWAY PLANS
RECORD PLAN	RECORD PLAN	PACE 29708	GRADING PERMIT NO	LOCATION: N 1896129.627 E 6253306.866 DESCRIPTION: NGS MONUMENT	SECTION 06 IMPROVEMENTS TITLE SHEET
NAME:	NAME:	NAME: STEPHEN K. S	COUNTY APPROVED CHANGES	ELEVATION: 30.522' DATUM: NAVD 88	
R.C.E	R.C.E	PHONE NO. (858)451-610 ADDRESS: 11590 W. BERNA	APPROVED	NAME:LOCATION:	ENGINEER OF WORK STEPHEN K. SMITH R.C.E. 29708 CHECKED BY: IMPROVEMENT PLAN NO. APPROVAL DATE:
DATE:	DATE:	ADDRESS: 11590 W. BERNA SUITE 100 SAN DIEGO, CA.		DESCRIPTION: DATUM:	SPL-06 (LINK 4) 06-DWY-01





45 mph or more

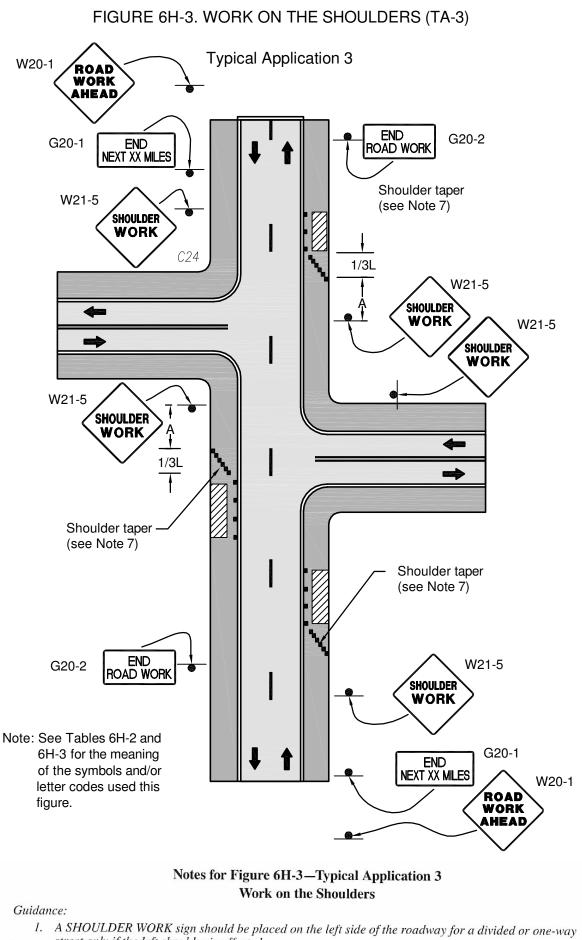
Where: L = taper length in feet W = width of offset in feet

L = WS

S = posted speed limit, or off-peak 85th-percentile

operating speed in mph

speed prior to work starting, or the anticipated



Notes for Figure 6H-6-Typical Application 6 Shoulder Work with Minor Encroachment

END ROAD WORK

- 1. All lanes should be a minimum of 10 feet in width as measured to the near face of the channelizing
- 2. The treatment shown should be used on a minor road having low speeds. For higher-speed traffic conditions, a lane closure should be used.

FIGURE 6H-6. SHOULDER WORK WITH MINOR ENCROACHMENT (TA-6)

Typical Application 6

Note: See Tables 6H-2 and

figure.

Work Vehicle

Truck-mounted

attenuator

(optional)

Buffer space (optional)

6H-3 for the meaning

of the symbols and/or

letter codes used this

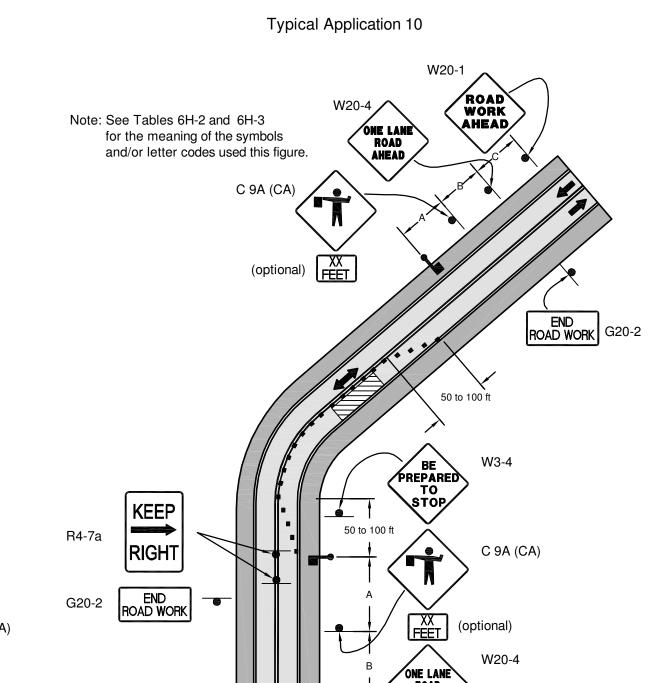
ROAD WORK AHEAD

- 3. For short-term use on low-volume, low-speed roadways with vehicular traffic that does not include longer and wider heavy commercial vehicles, a minimum lane width of 9 feet may be used.
- 4. Where the opposite shoulder is suitable for carrying vehicular traffic and of adequate width, lanes may be shifted by use of closely-spaced channelizing devices, provided that the minimum lane width of 10 feet is
- 5. Additional advance warning may be appropriate, such as a ROAD NARROWS sign.
- 6. Temporary traffic barriers may be used along the work space. 7. The shadow vehicle may be omitted if a taper and channelizing devices are used.
- 8. A truck-mounted attenuator may be used on the shadow vehicle.

flashing, oscillating, or strobe lights.

- 9. For short-duration work, the taper and channelizing devices may be omitted if a shadow vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
- 10. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or Standard:
- 11. Vehicle-mounted signs shall be mounted in a manner such that they are not obscured by equipment or supplies. Sign legends on vehicle-mounted signs shall be covered or turned from view when work
- 12. Shadow and work vehicles shall display high-intensity rotating, flashing, oscillating, or strobe lights. 13. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating,

FIGURE 6H-10. LANE CLOSURE ON A TWO LANE ROAD USING FLAGGERS (TA-10)



Notes for Figure 6H-10—Typical Application 10 Lane Closure on a Two-Lane Road Using Flaggers

WORK AHEAD

1. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).

- 2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration
- 3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.
- 4. The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped

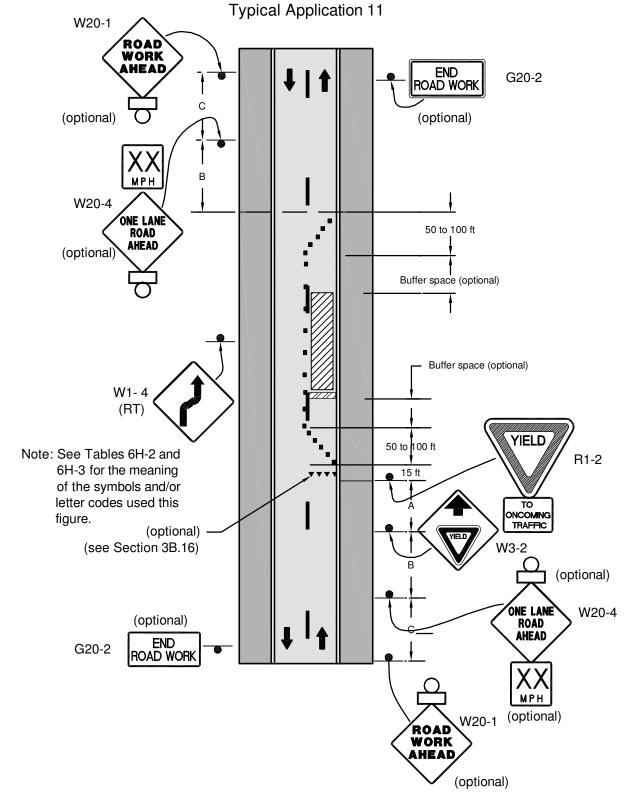
5. At night, flagger stations shall be illuminated, except in emergencies.

right-hand side of the normal center line.

- 6. When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the
- 7. When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing.
- 8. When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices. 9. When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the
- 10. Early coordination with the railroad company or light rail transit agency should occur before work
- 11. A flagger or a uniformed law enforcement officer may be used at the grade crossing to minimize the probability that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the

ELEVATION: _____

FIGURE 6H-11. LANE CLOSURE ON A TWO-LANE ROAD WITH LOW TRAFFIC VOLUMES (TA-11)



Notes for Figure 6H-11—Typical Application 11 Lane Closure on a Two-Lane Road with Low Traffic Volumes

- 1. This TTC zone application may be used as an alternate to the TTC application shown in Figure 6H-10 (using flaggers) when the following conditions exist:
- a. Vehicular traffic volume is such that sufficient gaps exist for vehicular traffic that must yield. b. Road users from both directions are able to see approaching vehicular traffic through and beyond the
- worksite and have sufficient visibility of approaching vehicles. 2. The Type B flashing warning lights may be placed on the ROAD WORK AHEAD and the ONE LANE ROAD AHEAD signs whenever a night lane closure is necessary.

NOTE: TRAFFIC CONTROL PER ATTACHED TYPICAL APPLICATIONS (AASHTO) IS FOR DRIVEWAY/PRIVATE ROAD CONSTRUCTION IN COUNTY RIGHT-OF-WAY

WITH REGARD ONLY TO THE WORK SHOWN ON THESE PLANS, THE DEPARTMENT OF PUBLIC WORKS (DPW) FOR THE COUNTY OF SAN DIEGO ACKNOWLEDGES THAT SAN DIEGO GAS & ELECTRIC (SDG&E) HAS CONSULTED WITH DPW REGARDING THOSE LAND USE MATTERS WITHIN SCOPE OF DPW'S REVIEW AUTHORITY IN THE MANNER REQUIRED BY SECTION XIV(B) OF CALIFORNIA PUBLIC UTILITIES COMMISSION, GENERAL ORDER 131-D, DECISION 94-06-14 AS MODIFIED BY DECISION 95-08-038.

FOR DIRECTOR OF PUBLIC WORKS

ASSESSORS PARCEL NO. _ RECORD PLAN Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624 Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com

LEGAL DESCRIPTION

ENGINEER OF WORK CPHEN K. SW #QE 29708 CIVIL OF CALIFORNIA

LEGAL DESCRIPTION

RECORD PLAN

ASSESSORS PARCEL NO. __

NAME:

DATE: _

REZONE PERMIT NO. ____ SPECIAL USE PERMIT NO. GRADING PERMIT NO. **COUNTY APPROVED CHANGES** STEPHEN K. SMITH APPROVED DATE DESCRIPTION PHONE NO. <u>(858)451-6100</u> BY NDDRESS: 11590 W. BERNARDO C SUITE 100
SAN DIEGO, CA. 92127

PERMITS

BENCH MARK NAME: GPS 32 COUNTY OF SAN DIEGO LOCATION: N 1959223.231 E 6351466.260 DESCRIPTION: SURVEY DISK ELEVATION: 1373.160' ___ DATUM: <u>NAVD 88</u> NAME: <u>941T</u> LOCATION: N 1896129.627 E 6253306.866 DESCRIPTION: NGS MONUMENT ___ DATUM: <u>NAVD 88</u> **ELEVATION: 30.522'** ENGINEER OF WORK STEPHEN K. SMITH CHECKED BY: NAME: R.C.E. <u>29708</u> LOCATION: DESCRIPTION:

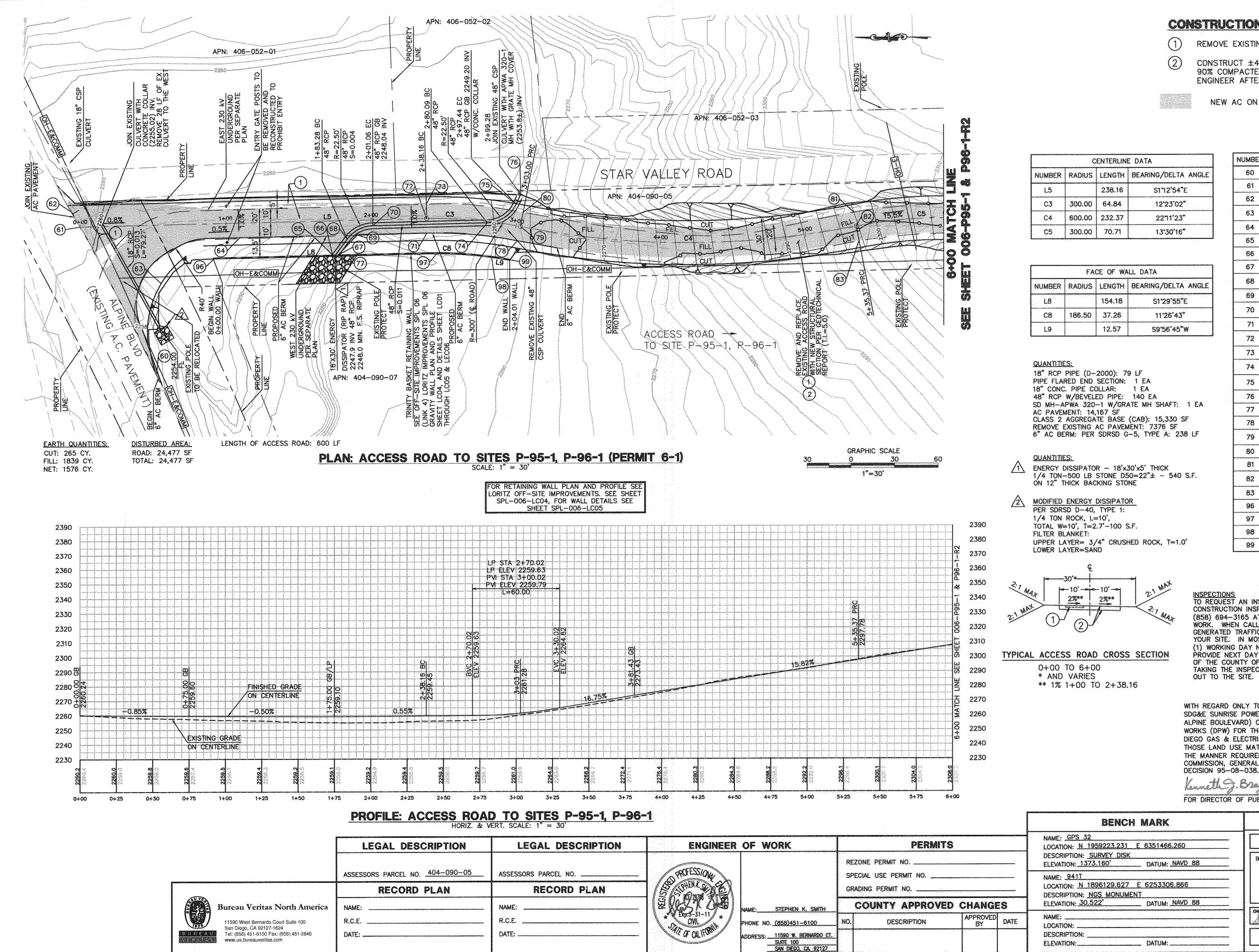
____ DATUM: ___

PRIVATE CONTRACT DEPARTMENT OF PUBLIC WORKS IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

TRAFFIC CONTROL DETAILS

IMPROVEMENT PLAN NO.

SPL-06 (LINK 4) 06-DWY-03



CONSTRUCTION NOTES

REMOVE EXISTING PAVEMENT

CONSTRUCT ±4" AC ON 5" CAB COMPACTED TO 95% ON 90% COMPACTED NATIVE SOIL, VERIFY R-VALUE WITH ENGINEER AFTER GRADING

NEW AC ON CLASS 2 AGGREGATE BASE (CAB)

NORTHING EASTING ELEVATION DESCRIPTION

CL

FG

FG/MOC

EC

FG

FG

FG

BC/RCP

FG

EC/RCP

BC/CL

BC

BC/RCP

EC/RCP

RCP

RCP

PRC

PRC/CL

PRC

PRC/CL

WALL

WALL

WALL

1883465.84 | 6417524.83 | (2256.50)

1883518.32 | 6417625.87 | (2260.41)

1883524.25 | 6417636.04 | (2260.93)

1883462.81 | 6417587.12 | 2259.48

1883408.74 6417618.19 2259.33

1883358.45 | 6417619.26 | 2259.08

1883344.87 | 6417606.24 | 2257.50

1883340.87 | 6417606.33 | 2257.50

1883327.85 | 6417619.90 | 2259.08

1883280.01 | 6417620.92 | 2259.35

1883280.22 | 6417630.92 | 2259.45

1883280.43 | 6417640.92 | 2259.55

1883217.69 | 6417615.49 | 2261.08

1883215.75 | 6417625.30 | 2261.28

1883213.81 | 6417635.11 | 2261.48

1882986.74 6417634.82 2297.98

1882982.92 | 6417615.19 | 2297.58

6417625.01 2297.78

1883334.81 | 6417617.03

1883317.22 | 6417626.14

1883238.49 6417627.85

1883218.64 | 6417640.72

1883215.43 | 6417647.50

1883343.30 6417605.57

1883426.83 | 6417603.51

1883272.70 | 6417607.55

1883235.61 6417604.81

1883223.23 6417602.64

INSPECTIONS
TO REQUEST AN INSPECTION, CALL PRIVATE DEVELOPMENT CONSTRUCTION INSPECTION DURING NORMAL BUSINESS HOURS AT (858) 694-3165 AT LEAST 24 HOURS BEFORE START AND FINISH OF WORK. WHEN CALLING FOR AN INSPECTION, REFER TO THE COMPUTER GENERATED TRAFFIC PERMIT NUMBER AND THE JOB SITE ADDRESS OF YOUR SITE. IN MOST CASES, CONSTRUCTION INSPECTION REQUIRES ONE (1) WORKING DAY NOTICE FOR INSPECTIONS. WE MAY NOT BE ABLE TO PROVIDE NEXT DAY INSPECTIONS IN SOME OF THE MORE REMOTE AREAS OF THE COUNTY OF SAN DIEGO. PLEASE VERIFY WITH THE PERSON TAKING THE INSPECTION REQUEST WHAT DAY THE INSPECTOR WILL BE OUT TO THE SITE.

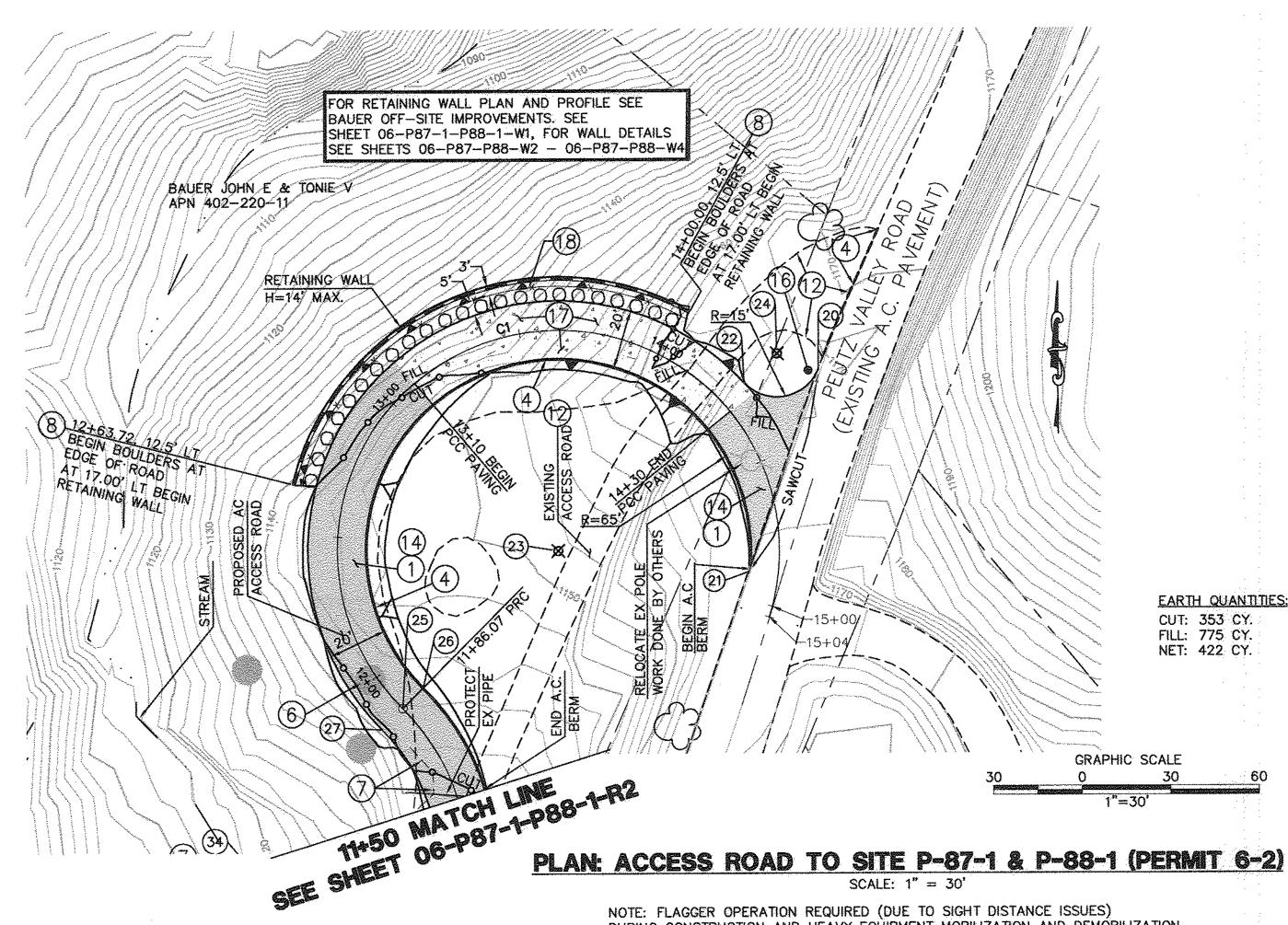
WITH REGARD ONLY TO THE WORK SHOWN ON THESE PLANS FOR THE SDG&E SUNRISE POWERLINK DRIVEWAY IMPROVEMENTS (ACCESS FROM ALPINE BOULEVARD) ON APN 404-090-05, THE DEPARTMENT OF PUBLIC WORKS (DPW) FOR THE COUNTY OF SAN DIEGO ACKNOWLEDGES THAT SAN DIEGO GAS & ELECTRIC (SDG&E) HAS CONSULTED WITH DPW REGARDING THOSE LAND USE MATTERS WITHIN SCOPE OF DPW'S REVIEW AUTHORITY IN THE MANNER REQUIRED BY SECTION XIV(B) OF CALIFORNIA PUBLIC UTILITIES COMMISSION, GENERAL ORDER 131-D, DECISION 94-06-14 AS MODIFIED BY DECISION 95-08-038.

7-02-10 DATE

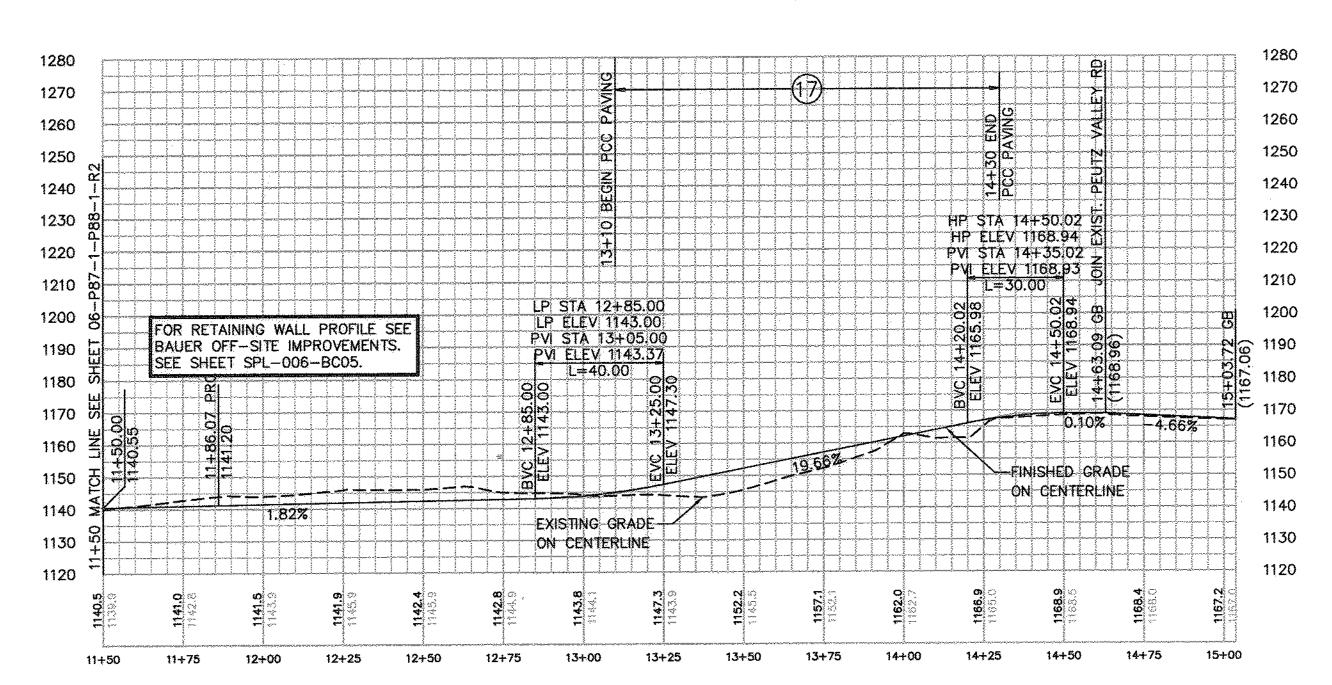
FOR DIRECTOR OF PUBLIC WORKS

BENCH MARK	PRIVATE CONTRACT		
NAME: <u>GPS 32</u> LOCATION: N 1959223.231 E 6351466.260	SHEET COUNTY OF SAN DIEGO 5 4 DEPARTMENT OF PUBLIC WORKS SHEETS		
DESCRIPTION: SURVEY DISK ELEVATION: 1373.160' DATUM: NAVD 88	IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK		
NAME: <u>941T</u> LOCATION: <u>N 1896129,627 E 6253306,866</u>	ACCESS ROAD IMPROVEMENTS ON ALPINE BLVD.		
DESCRIPTION: NGS MONUMENT ELEVATION: 30.522' DATUM: NAVD 88	PERMIT 06-1		
NAME:	ENGINEER OF WORK STEPHENK SMITH CHECKED BY: INSPROVEMENT PLAN NO		

SPL-06 (LINK 4) 06-DWY-04



NOTE: FLAGGER OPERATION REQUIRED (DUE TO SIGHT DISTANCE ISSUES) DURING CONSTRUCTION AND HEAVY EQUIPMENT MOBILIZATION AND DEMOBILIZATION



CENTÉRLINE DATA				
NUMBER		LENGTH	BEARING/DELTA ANGLE	
C1	75.00	317.66	242'40'17"	

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
20	1889453.79	6391393.66	(1169.83)	EG
21	1889385.22	6391369.94	(1167.55)	EG
22	1889449.27	6391368.55	1167.18	FG
23	1889392.45	6391305.34		RP
24	1889459.30	6391379.71		RP
25	1889339.32	6391252.40	1141.20	PRC/CL
26	1889346.41	6391259.46	1141.00	PRC
27	1889332.17	6391245.41	1141.40	PRC

DISTURBED AREA: ROAD: 9,152 SF

EARTH QUANTITIES:

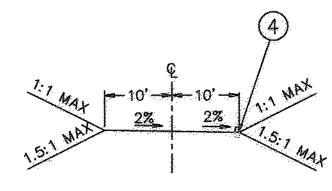
CUT: 353 CY.

FILL: 775 CY.

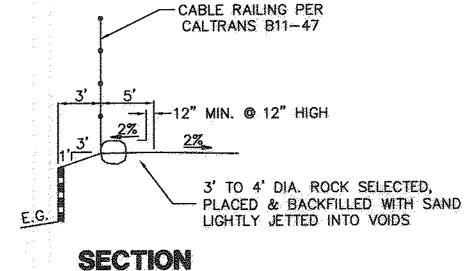
NET: 422 CY.

QUANTITIES: AC PAVEMENT: 4075 SF 6" A.C. BERM: 305 LF PCC PAVING: 2401 SF TYPE 1 AC SLURRY SEAL: 4075 SF LENGTH OF ACCESS ROAD: 361 LF

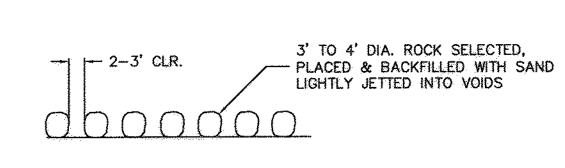
REMOVAL AC PAVEMENT: 1198 SF BOULDER PLACED EDGE: 135 LF CABLE RAILING: 163 LF DOUBLE MAIL BOX: 1 EA RELOCATE/REPLANT TREE: 1 EA



TYPICAL ACCESS ROAD CROSS SECTION STA 11+50.00 TO 14+63.09



SECTION NTS.



PLAN

BOULDER PLACED NATURAL ROAD EDGE

INSPECTIONS
TO REQUEST AN INSPECTION, CALL PRIVATE DEVELOPMENT CONSTRUCTION INSPECTION DURING NORMAL BUSINESS HOURS AT (858) 694-3165 AT LEAST 24 HOURS BEFORE START AND FINISH OF WORK. WHEN CALLING FOR AN INSPECTION. REFER TO THE COMPUTER GENERATED TRAFFIC PERMIT NUMBER AND THE JOB SITE ADDRESS OF YOUR SITE. IN MOST CASES, CONSTRUCTION INSPECTION REQUIRES ONE (1) WORKING DAY NOTICE FOR INSPECTIONS. WE MAY NOT BE ABLE TO PROVIDE NEXT DAY INSPECTIONS IN SOME OF THE MORE REMOTE AREAS OF THE COUNTY OF SAN DIEGO. PLEASE VERIFY WITH THE PERSON TAKING THE INSPECTION REQUEST WHAT DAY THE INSPECTOR WILL BE OUT TO THE SITE.

LOCATION:

DESCRIPTION:

WITH REGARD ONLY TO THE WORK SHOWN ON THESE PLANS FOR THE SDG&E SUNRISE POWERLINK DRIVEWAY IMPROVEMENTS (ACCESS FROM PEUTZ VALLEY ROAD) ON APN 402-220-11, THE DEPARTMENT OF PUBLIC WORKS (DPW) FOR THE COUNTY OF SAN DIEGO ACKNOWLEDGES THAT SAN DIEGO GAS & ELECTRIC (SDG&E) HAS CONSULTED WITH DPW REGARDING THOSE LAND USE MATTERS WITHIN SCOPE OF DPW'S REVIEW AUTHORITY IN THE MANNER REQUIRED BY SECTION XIV(B) OF CALIFORNIA PUBLIC UTILITIES COMMISSION. GENERAL ORDER 131-D, DECISION 94-06-14 AS MODIFIED BY DECISION

FOR DIRECTOR OF PUBLIC WORKS

95-08-038.

7-02-10

PROFILE: ACCESS ROAD TO SITE P-87-1 & P-88-1 HORIZ. & VERT. SCALE: 1" = 30"

no	W. & VENT. SOMEL. 1 - 50			
	LEGAL DESCRIPTION	LEGAL DESCRIPTION	ENGINEER OF WORK	PERMITS
	ASSESSORS PARCEL NO. 402-220-11	ASSESSORS PARCEL NO.	PROFESS/OW	REZONE PERMIT NO
	RECORD PLAN	RECORD PLAN	THEM. S. CONTROL OF SOME STATE	GRADING PERMIT NO.
Bureau Veritas North America	NAME:	NAME:	NAME: STEPHEN K. SMITH	COUNTY APPROVED CHANGES
Bureau Veritas North America 11590 West Bernardo Court Suite 100 San Diego, CA 92127-1624	R.C.E.	R.C.E.	** CVIL PHONE NO. (858)451-6100 ADDRESS: 11590 W. BERNARDO	NO. DESCRIPTION APPROVED DATE
BUREAU Tel: (858) 451-6100 Fax: (858) 451-2846 www.us.bureauveritas.com	DATE:	DATE:	ADDRESS: 11590 W. BERNARDO SUITE 100	<u>ct.</u>
	50-04-04-04-04-04-04-04-04-04-04-04-04-04		SAN DIEGO, CA. 9212	

PRIVATE CONTRACT **BENCH MARK** COUNTY OF SAN DIEGO

NAME: GPS 32 DEPARTMENT OF PUBLIC WORKS LOCATION: N 1959223.231 E 6351466.260 DESCRIPTION: SURVEY DISK IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK ELEVATION: 1373.160' _____ DATUM: <u>NAVD 88</u> **ACCESS ROAD IMPROVEMENTS** NAME: 941T ON PEUTZ VALLEY ROAD LOCATION: N 1896129.627 E 6253306.866 PERMIT 06-2 DESCRIPTION: NGS MONUMENT **ELEVATION: 30.522'** DATUM: NAVD 88

SPL-06 (LINK 4) 06-DWY-05

CONSTRUCTION NOTES

CONSTRUCT 4" AC ON 6" CLASS 2 AGGREGATE BASE (CAB) OVER 6" 95% COMPACTED NATIVE SUBGRADE

CONSTRUCT 2" AC OVERLAY ON EXISTING AC

CONSTRUCT 6" AC BERM PER SDRSD G-5, TYPE A

RELOCATE/REPLANT YOUNG TREE

REMOVE PORTIONS OF EXISTING TREE

CONSTRUCT BOULDER PLACED NATURAL ROAD EDGE AFTER CONSTRUCT PLACE 3'-4' DIA. BOULDER W/ 2'-4' ROCK ABOVE ROAD SURFACE AT OUTSIDE EDGE OF PAVEMENT PRIOR TO FINAL PAVING. SEE DETAIL & SECTION HERE ON (A)

REMOVE PORTION OF EXISTING PAVEMENT

SLURRY NEW & OLD AC PAVING AFTER CONSTRUCTION TRAFFIC COMPLETION WITH TYPE I AC SLURRY SEAL

CONSTRUCT DOUBLE MAILBOX , 1/8" THICK ALUMINUM POWDER COAT WITH LOCKING MAIL SLOT, NEWSPAPER HOLDER AND ADDRESS NUMERALS.

CONSTRUCT 6" PCC PAVING ON 95% COMPACTED 4" CLASS 2 AGGREGATE BASE (CAB) OVER 6" 95% COMPACTED NATIVE SUBGRADE. PROVIDE HEAVY CROSS GROOVED FINISH TO CONCRETE SURFACE FOR MAXIMUM TRACTION.

CONSTRUCT 36" HIGH CABLE RAILING PER CALTRANS B11-47 (MOD) W/ 12" DIA. BY 2' DEEP CONC. POSTS SEE DETAIL SHEET SPL-006-005.

GRIND & FEATHER OVERLAY

AC OVERLAY

NEW AC ON CAB

PCC PAVING