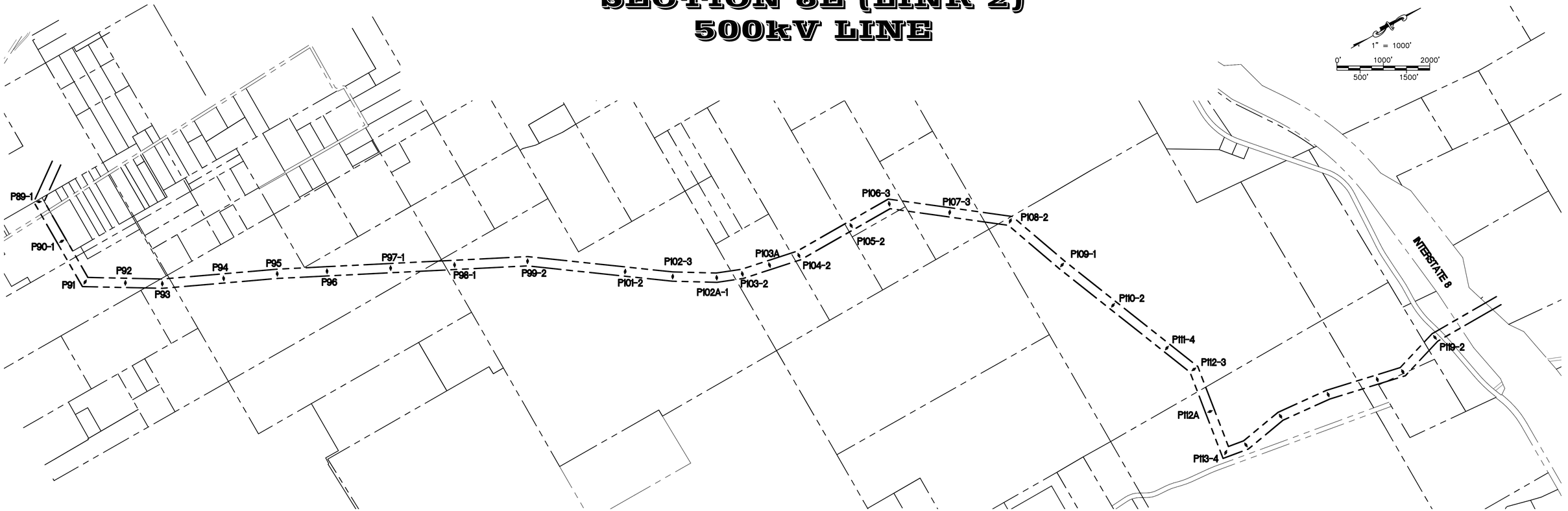
SUNRISE POWERLINK PROJECT

SECTION 8E (LINK 2)

500kV LINE



OFF-SITE WORK TO BE DONE

SITE / ACCESS ROAD	SHEET NUMBER
KEY MAP + MINOR ACCESS ROAD IMPROVEMENT	08E-P89-1-P102-3-KEY01
KEY MAP + MINOR ACCESS ROAD IMPROVEMENT	08E-P102A-1-P108-2-KEY02
KEY MAP + MINOR ACCESS ROAD IMPROVEMENT	08E-P109-1-P119-2-KEY03
KEY MAP + MINOR ACCESS ROAD IMPROVEMENT	08E-CAMERON-KEY04

ON-SITE WORK TO BE DONE

SITE / ACCESS ROAD	SHEET NUMBER
SITE P-89-1	08E-P89-1-S1
SITE P-90-1	08E-P90-1-S1
ACCESS ROAD TO SITE P-90-1	08E-P90-1-R1
SITE P-91	08E-P91-S1
ACCESS ROAD TO SITE P-91	08E-P91-R1
SITE P-92	08E-P92-S1
ACCESS ROAD TO SITE P-92	08E-P92-R1
SITE P-93	08E-P93-S1
ACCESS ROAD TO SITE P-93	08E-P93-R1
SITE P-94	08E-P94-S1
ACCESS ROAD TO SITE P-94	08E-P94-R1
ACCESS ROAD TO SITE P-94	08E-P94-R2
SITE P-95	08E-P95-S1
ACCESS ROAD TO SITE P-95	08E-P95-R1
ACCESS ROAD TO SITE P-95	08E-P95-R2
SITE P-96	08E-P96-S1
ACCESS ROAD TO SITE P-96	08E-P96-R1
ACCESS ROAD TO SITE P-96	08E-P96-R2
ACCESS ROAD TO SITE P-96	08E-P96-R3
SITE P-97-1	08E-P97-S1
ACCESS ROAD TO SITE P-97-1	08E-P97-R1
ACCESS ROAD TO SITE P-97-1	08E-P97-R2
SITE P-98-1	08E-P98-1-S1
ACCESS ROAD TO SITE P-97-1 & P-98-1	08E-P98-1-R1
ACCESS ROAD TO SITE P-97-1, P-98-1 & P-99-2	08E-P98-1-R2
ACCESS ROAD TO SITE P-97-1, P-98-1 & P-99-2	08E-P98-1-R3

ON-SITE WORK TO BE DONE

SITE / ACCESS ROAD	SHEET NUMBER
SITE P-99-2	08E-P99-2-S1
SITE P-103-2	08E-P103-2-S1
SITE P-103A	08E-P103A-S1
SITE P-104-2	08E-P104-2-S1
SITE P-105-2	08E-P105-2-S1
ACCESS ROAD TO SITE P-105-2	08E-P105-2-R1
ACCESS ROAD TO SITE P-105-2	08E-P105-2-RA1
ACCESS ROAD TO SITE P-105-2	08E-P105-2-RA2
ACCESS ROAD TO SITE P-105-2	08E-P105-2-RA3
ACCESS ROAD TO SITE P-105-2	08E-P105-2-RA4
ACCESS ROAD TO SITE P-105-2	08E-P105-2-RA5
ACCESS ROAD TO SITE P-105-2	08E-P105-2-RA6
SITE P-112-3	08E-P112-3-S1
SITE P-112A	08E-P112A-S1
SITE P-113-4	08E-P113-4-S1

TOWER STAGING / ACCESS PAD ON-SITE WORK TO BE DONE

SITE / ACCESS ROAD	SHEET NUMBER
SITE P-101-2	08E-P101-2 & P102-3-TSAP
SITE P-102-3	08E-P101-2 & P102-3-TSAP
SITE P-102A-1	08E-P102A-1 & P106-3-TSAP
SITE P-106-3	08E-P102A-1 & P106-3-TSAP
SITE P-107-3	08E-P107-3 & P108-2-TSAP
SITE P-108-2	08E-P107-3 & P108-2-TSAP
SITE P-109-1	08E-P109-1 & P110-2-TSAP
SITE P-110-2	08E-P109-1 & P110-2-TSAP
SITE P-111-4	08E-P111-4-TSAP
SITE P-119-2	08E-P119-2-TSAP

01 PULL-SITE WORK TO BE DONE

SITE / ACCESS ROAD	SHEET NUMBER
PULL SITE P-89-1	08E-P89-1-PS
PULL SITE (EAST) P-91	08E-P91-PS-A
PULL SITE (SOUTH) P-91	08E-P91-PS-B
PULL SITE P-99-2	08E-P99-2-PS
PULL SITE (WEST) P-113-4	08E-P113-4-PS

PRIVATE ROADWAY / DRIVEWAY PLANS

NOTES / DETAILS/ PERMITS	SHEET NUMBER
TITLE SHEET	08E-DWY-01
NOTES & DETAILS	08E-DWY-02
TRAFFIC CONTROL DETAIL	08E-DWY-03
PERMIT 8E-2	08E-DWY-04
PERMIT 8E-3 & 4	08E-DWY-05
PERMIT 8E-5	08E-DWY-06
PERMIT 8E-6	08E-DWY-07

DECLARATION OF RESPONSIBLE CHARGE

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.

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

DATE

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:
01	REMOVE SHEET P108-PS-A, B, R1, R2, R3 & R4	8/24/10	MM	MB										
01	REMOVE SHEET P113-4-PS-A&B	8/24/10	MM	MB										
01	ADD SHEET P113-4-PS	8/24/10	MM	MB										

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL 08E (LINK2)

TITLE SHEET

DRAWN BY:	DATE:	SCALE: AS NOTED	W.O.	REV. 0	SPL-08E-001
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	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 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 PROJECT 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 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. STANDARD DRAWINGS SHALL CONFORM TO SAN DIEGO REGIONAL STANDARD DRAWINGS (SDRSD), APRIL 2006.
13. 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.

ABBREVIATIONS

(EG)	EXISTING GRADE
FG	FINISHED GRADE
TW	TOP OF WALL
BW	BOTTOM OF WALL AT FINISHED GROUND
FL	FLOW LINE
U/S	UP STREAM
D/S	DOWN STREAM
CMP	CORRUGATED METAL PIPE
RC	RELATIVE COMPACTION

LEGEND

A A	SECTION
	INDICATES NEW TOWER
	INDICATES EXISTING STEEL POLE
	WATER BAR PER DETAIL 5/4
	BROW DITCH PER DETAIL 3/3
	DIP SECTION PER DETAIL 4/4
422.1 / 415.9	VERTICAL PROFILE F.G. ELEV. ABOVE / VERTICAL PROFILE E.G. ELEV. BELOW
	NEW TRANSMISSION LINE
440	(F.G.) FINISH GRADE CONTOURS
440	(E.G.) EXISTING GRADE CONTOURS
(206.2)	EXISTING GROUND ELEVATION
TOP / TOE	FILL SLOPE 2:1 UNLESS SHOWN OTHERWISE
TOP / TOE	CUT SLOPE 2:1 UNLESS SHOWN OTHERWISE
R	RIDGE LINE
	DAYLIGHT LINE
	DIRECTION OF FLOW
CUT / FILL	CUT/FILL LINE
	CONCRETE DOWN DRAIN, SEE DETAIL 1/3
	RIPRAP ENERGY DISSIPATOR, SEE DETAIL 2/3
	CORRUGATED METAL PIPE WITH FLARED END SECTIONS, SEE PLANS FOR, PIPE SIZES, AND ENERGY DISSIPATOR. 6/4
X / XX	DETAIL LABEL (DETAIL # / SHEET #)

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REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:

NO.	WORK DONE	DATE	BY:	APP'D:

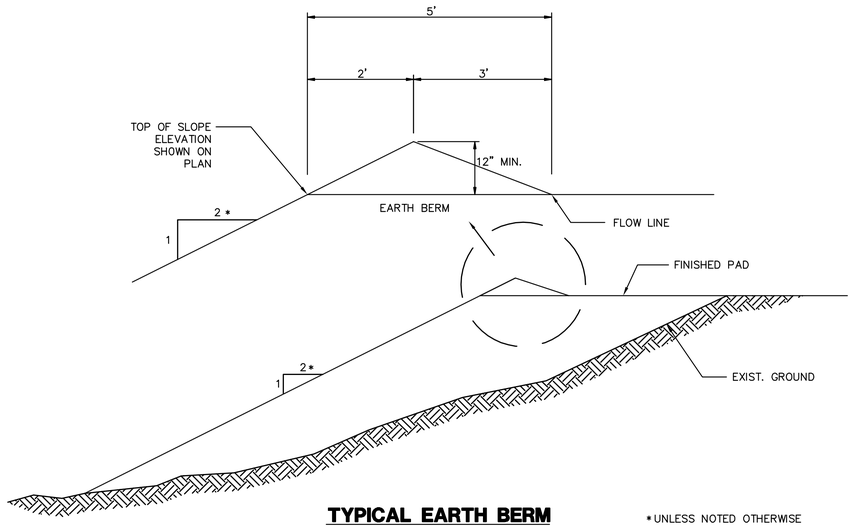
NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL–08E (LINK 2)

LEGEND & GENERAL NOTES

DRAWN BY: JJP	DATE: -/-/-	SCALE: AS NOTED	W.O.	REV. 0	SPL–08E–002
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1=1				

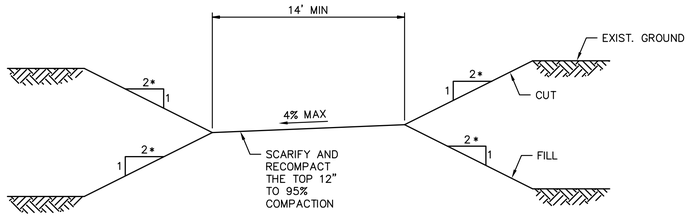


TYPICAL EARTH BERM

N.T.S.

TO BE PLACED ON TOP OF ALL FILL SLOPES.

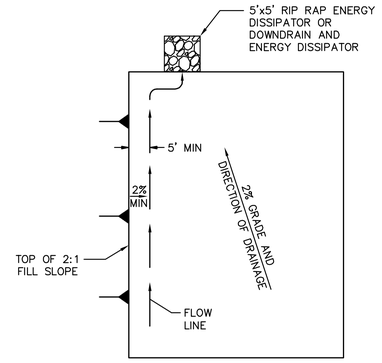
*UNLESS NOTED OTHERWISE



TYPICAL NEW ACCESS ROAD SECTION

N.T.S.

* UNLESS NOTED OTHERWISE



TYPICAL PAD DRAINAGE LAYOUT

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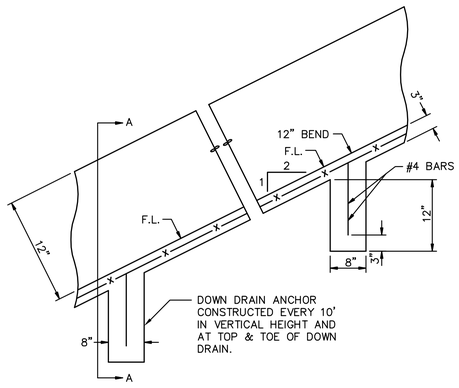
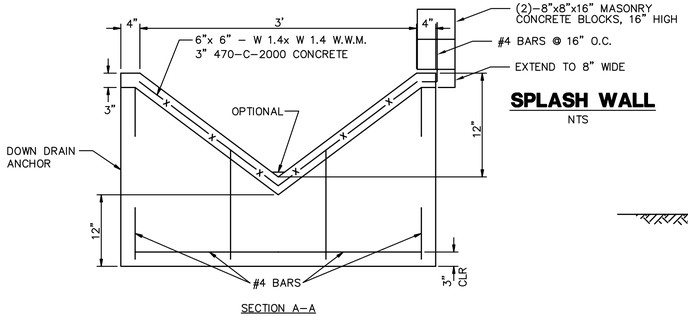


DOWN DRAIN (1/3)

N.T.S.

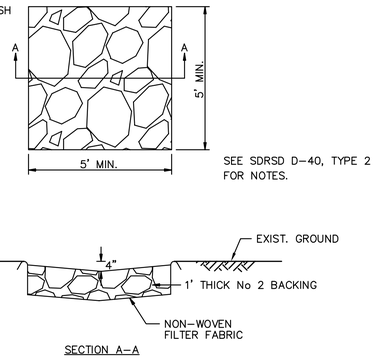
NOTE: THE LENGTH AND LOCATION OF SPLASH WALL IS SHOWN ON SITE GRADING PLAN.



SECTION A–A

SPLASH WALL

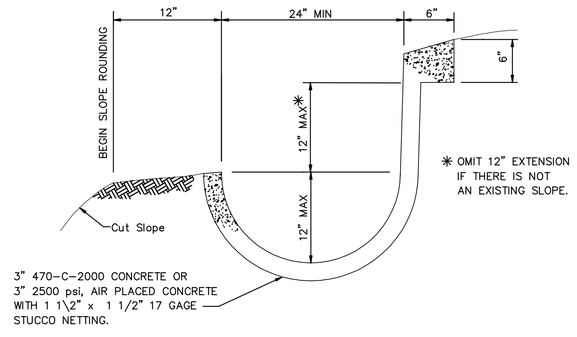
NTS



SECTION A–A

RIPRAP ENERGY DISSIPATOR (2/3)

N.T.S.



BROW AND/OR DRAINAGE DITCH (3/3)

N.T.S.

LONGITUDINAL SLOPE OF LINED DITCH SHALL BE 2% MINIMUM.

GENERAL DETAILS

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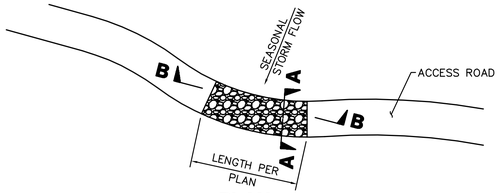
SAN DIEGO, CALIFORNIA

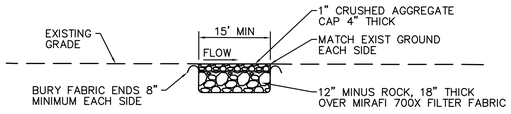
SPL–08E (LINK 2)

DETAIL SHEET 1 OF 2

DRAWN BY: 00	DATE:	SCALE: NTS	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				SPL–08E–003
CAD NO.:	PLOT SCALE: 1 = 1				



PLAN
N.T.S.



SECTION A-A
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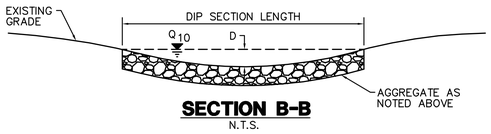
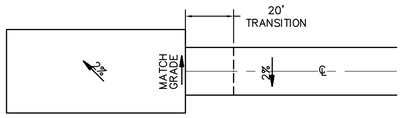
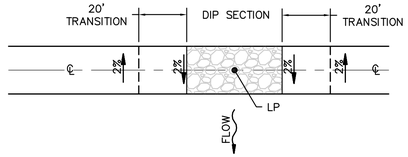


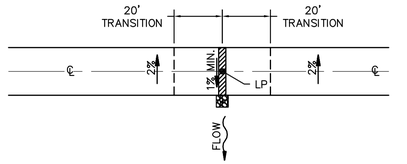
SECTION B-B
N.T.S.

1. THE MAXIMUM WATER DEPTH, BASED ON A 10 YEAR FREQUENCY STORM. SHALL BE 10". THE DEPTH (D) IN FEET MULTIPLIED BY THE VELOCITY (V) IN FEET PER SECOND SHALL BE EQUAL TO SIX OR LESS. (DXV=6)
2. EXCAVATION AND DISPOSAL OF EXISTING MATERIALS IS TO BE INCLUDED IN CONSTRUCTION OF THE DIP SECTION.

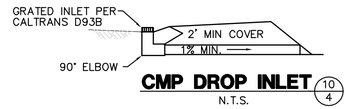
DIP SECTION (4/4)
N.T.S.



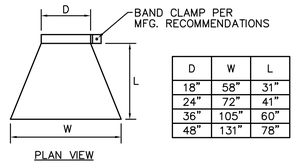




TYPICAL GRADE TRANSITIONS
N.T.S.

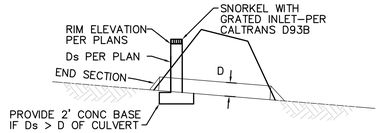


CMP DROP INLET (10/4)
N.T.S.

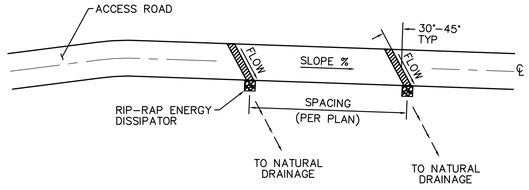


D	W	L
18"	58"	31"
24"	72"	41"
36"	105"	60"
48"	131"	78"

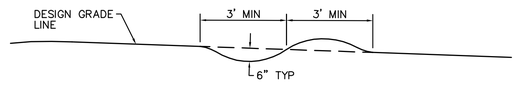
CULVERT END SECTION INLET AND/OR OUTLET
N.T.S.



SNORKEL INLET (8/4)
N.T.S.



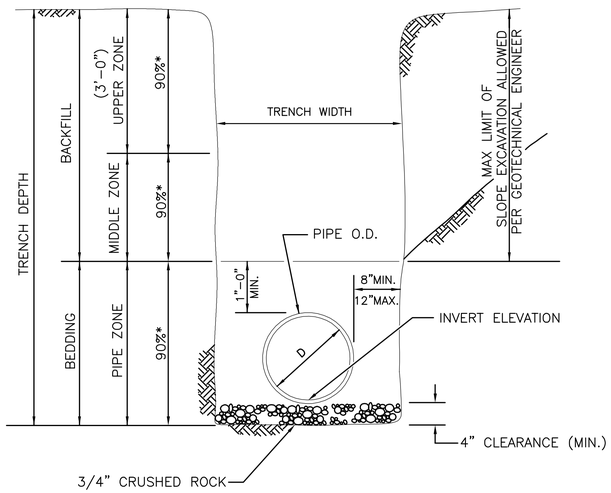
PLAN
N.T.S.



NOTE:
THE RIDGE OF EACH WATERBAR IS TO BE MAINTAINED AT AN ELEVATION AT LEAST 6 INCHES ABOVE THE ADJACENT DEPRESSION

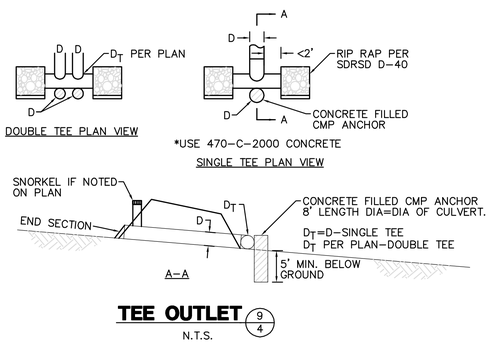
TYPICAL SECTION
N.T.S.

WATER BAR (5/4)



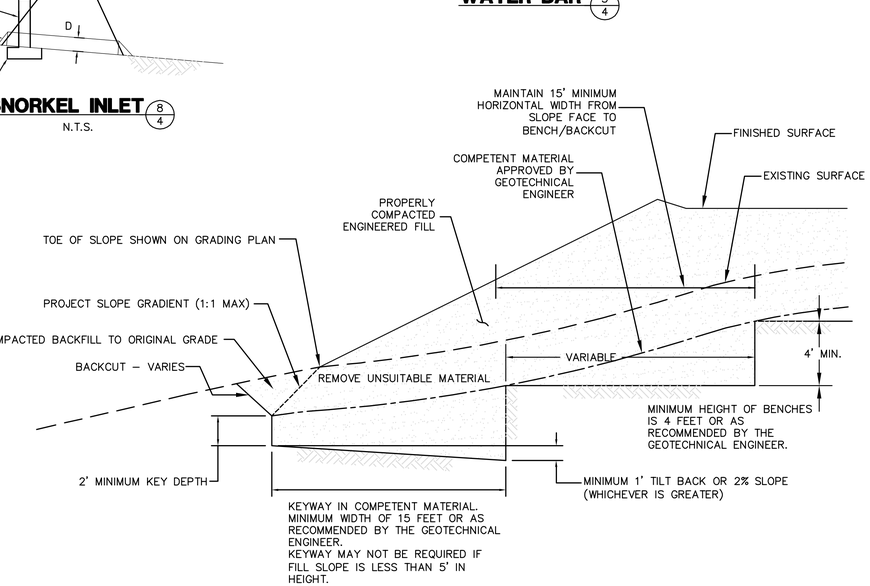
SECTION

* INDICATE MINIMUM RELATIVE COMPACTION



TEE OUTLET (9/4)
N.T.S.

PIPE BEDDING AND TRENCH BACKFILL FOR STORM DRAINS (6/4)
N.T.S.



NOTES:
BENCHING SHALL BE REQUIRED WHEN NATURAL SLOPES ARE EQUAL TO OR STEEPER THAN 5:1 OR WHEN RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

WHERE THE NATURAL SLOPE APPROACHES OR EXCEEDS THE DESIGN SLOPE RATIO, SPECIAL RECOMMENDATIONS WILL BE PROVIDED BY THE GEOTECHNICAL ENGINEER

FILL SLOPE BENCHING
N.T.S.

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-DETAIL 2OF2.dwg CMay-24-2010 09:16

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REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH NO. 29708 Exp.3-31-11 CIVIL STATE OF CALIFORNIA

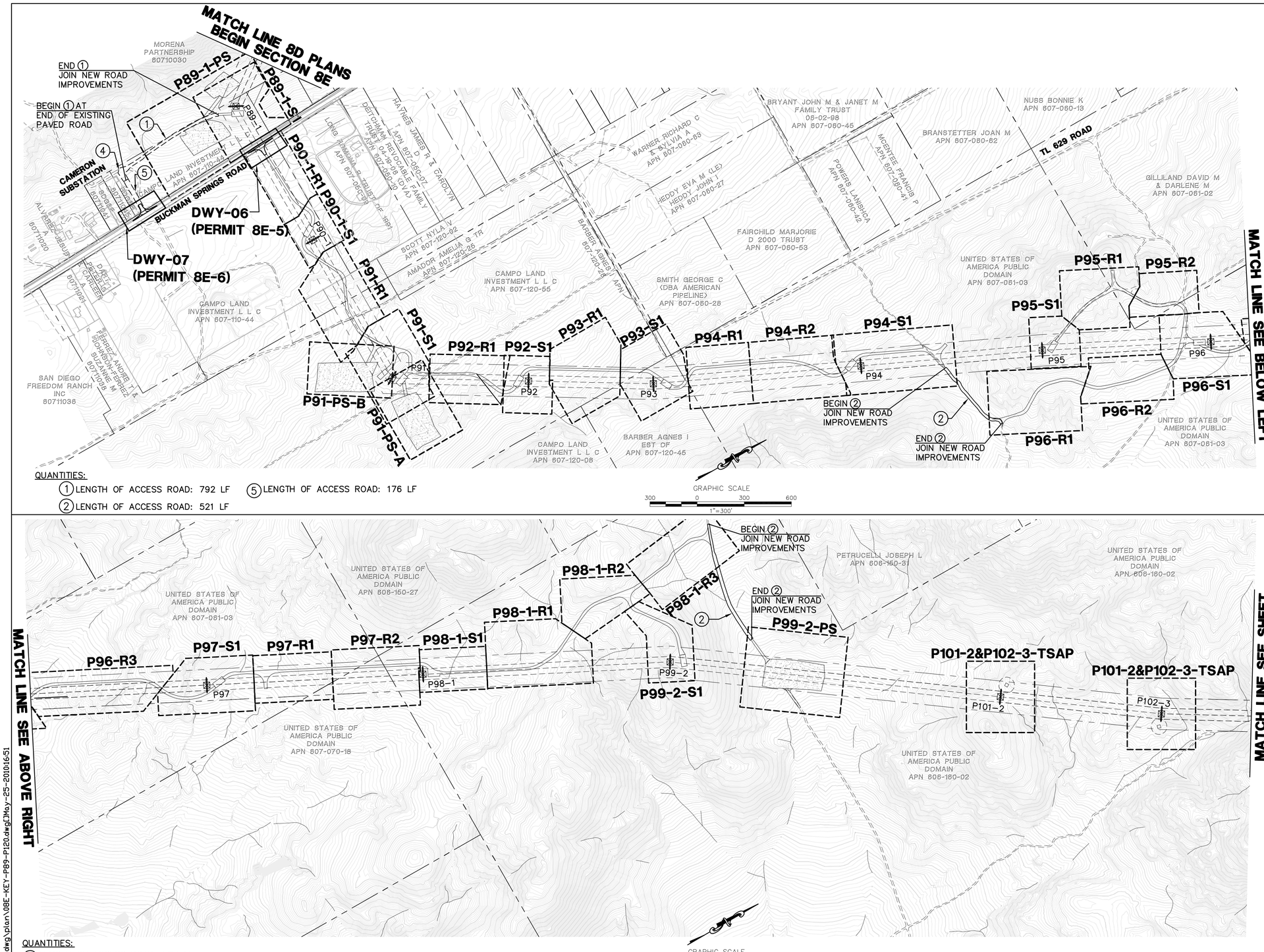
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-08E (LINK 2)
DETAIL SHEET 2 OF 2

DRAWN BY: 00	DATE:	SCALE: NONE	W.O.	REV. 0	SPL-08E-004
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



QUANTITIES:

① LENGTH OF ACCESS ROAD: 792 LF

② LENGTH OF ACCESS ROAD: 521 LF

⑤ LENGTH OF ACCESS ROAD: 176 LF

QUANTITIES:

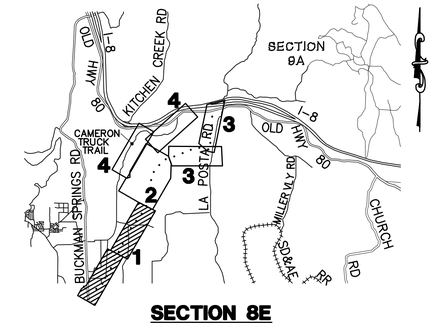
② LENGTH OF ACCESS ROAD: 794 LF

LEGEND

P218-1-S1	AREA OF ENLARGED PLAN WITH SHEET NAME REFERENCE (ACTUAL SHEET NAMES INCLUDE THE SECTION # AS A PREFIX)
	MINOR ROAD MAINTENANCE – SEE PLAN AND CONSTRUCTION NOTES HEREON
	MINOR ROAD IMPROVEMENTS – SEE PLAN AND CONSTRUCTION NOTES HEREON
	MAJOR ROAD IMPROVEMENTS – SEE SHEET AS INDICATED
	SITE IMPROVEMENTS – SEE SHEET AS INDICATED
	PULL SITE IMPROVEMENTS – SEE SHEET AS INDICATED
	CONSTRUCTION YARD IMPROVEMENTS – SEE CONSTRUCTION YARD PLANS
	PROPOSED TRANSMISSION LINES
P218–1	PROPOSED LATTICE TOWER AND TOWER #
TSAP	PROPOSED TOWER STAGING ACCESS PAD
	EXISTING 10' CONTOURS
	EXISTING 2' CONTOURS

CONSTRUCTION NOTES

1. GRADE EXISTING ROAD TO BE SMOOTH AND UNIFORM. REMOVE ANY RIDGES AND FILL IN RUTS. EXCESS MATERIAL SHALL BE PLACED IN ROADWAY OR REMOVED FROM SITE. DO NOT BLOCK EXISTING DRAINAGE OUTLETS. REBUILD EXISTING WATER BARS.
2. IN ADDITION TO CONSTRUCTION NOTE #1, WIDEN ROAD TO 12' MINIMUM WIDTH, MAXIMUM CROSS SLOPE = 8%. CLEAR AND GRUB EXISTING BRUSH AS NECESSARY. ALL OTHER REQUIREMENTS FROM NOTE #1 SHALL APPLY.
4. REGRADE CURVE(S) TO A MINIMUM 50' RADIUS AND 20' WIDTH.
5. EXISTING ROAD TO REMAIN AS IS.



SECTION 8E LOCATION MAP

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San Diego, CA 92127-1624
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REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH RPE 29708 Exp.3-31-11 CIVIL STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL–8E (LINK 2)

KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS

DRAWN BY: DZ	DATE:	SCALE: 1" = 300'	W.O.	REV. 0	
CHECKED BY:	DATE:				08E-P89-1-P102-3-KEY01
APPROVED BY:	DATE:				
CAD NO.:		PLOT SCALE: 1 = 1			

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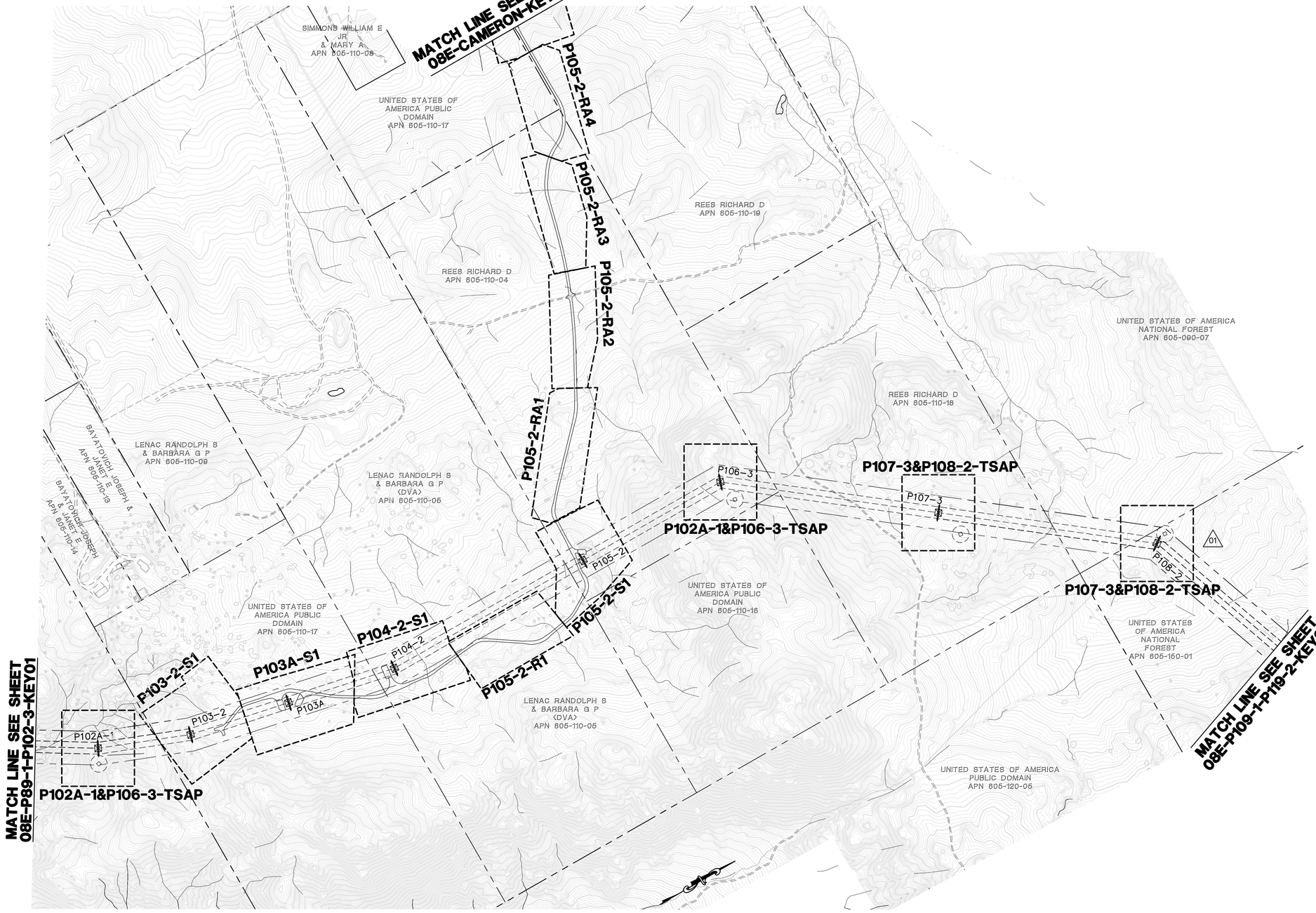
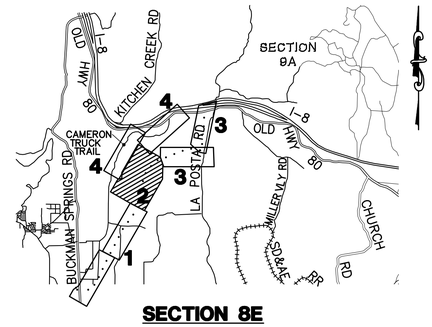


LEGEND

- AREA OF ENLARGED PLAN WITH SHEET NAME REFERENCE (ACTUAL SHEET NAMES INCLUDE THE SECTION # AS A PREFIX) — P218-1-S1
- MINOR ROAD MAINTENANCE – SEE PLAN AND CONSTRUCTION NOTES HEREON
- MINOR ROAD IMPROVEMENTS – SEE PLAN AND CONSTRUCTION NOTES HEREON
- MAJOR ROAD IMPROVEMENTS – SEE SHEET AS INDICATED
- SITE IMPROVEMENTS – SEE SHEET AS INDICATED
- PULL SITE IMPROVEMENTS – SEE SHEET AS INDICATED
- CONSTRUCTION YARD IMPROVEMENTS – SEE CONSTRUCTION YARD PLANS
- PROPOSED TRANSMISSION LINES
- P218–1 — PROPOSED LATTICE TOWER AND TOWER #
- TSAP — PROPOSED TOWER STAGING ACCESS PAD
- EXISTING 10' CONTOURS
- EXISTING 2' CONTOURS



SECTION 8E LOCATION MAP

GRAPHIC SCALE
300 0 300 600
1"=300'

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. 29108 — Exp.3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:
01	REMOVE SHEET REFERENCE P108–PS–A, B, R1, R2, R3 & R4	8/24/10	MM	MB										

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL–8E (LINK 2)

KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS

DRAWN BY: DZ	DATE:	SCALE: 1" = 300'	W.O.	REV. 0	08E-P102A-1-P108-2-KEY02
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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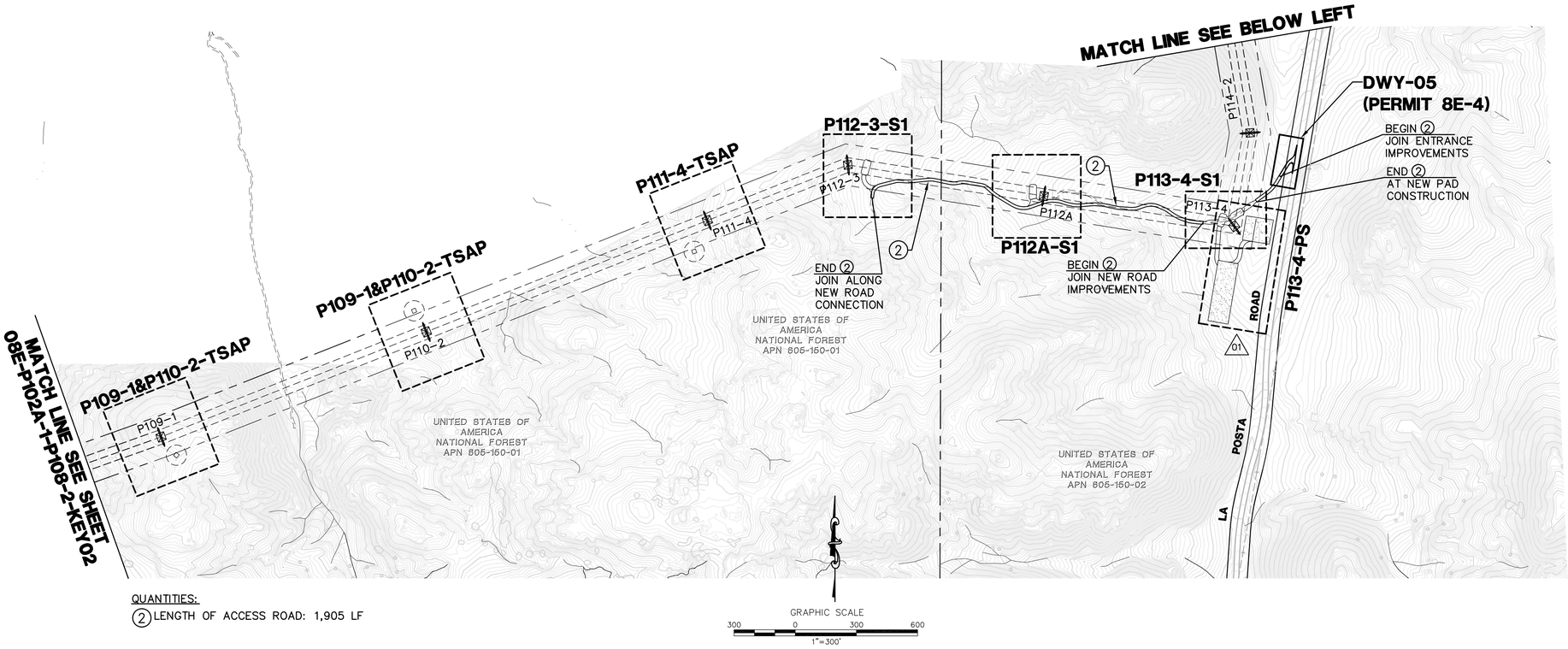
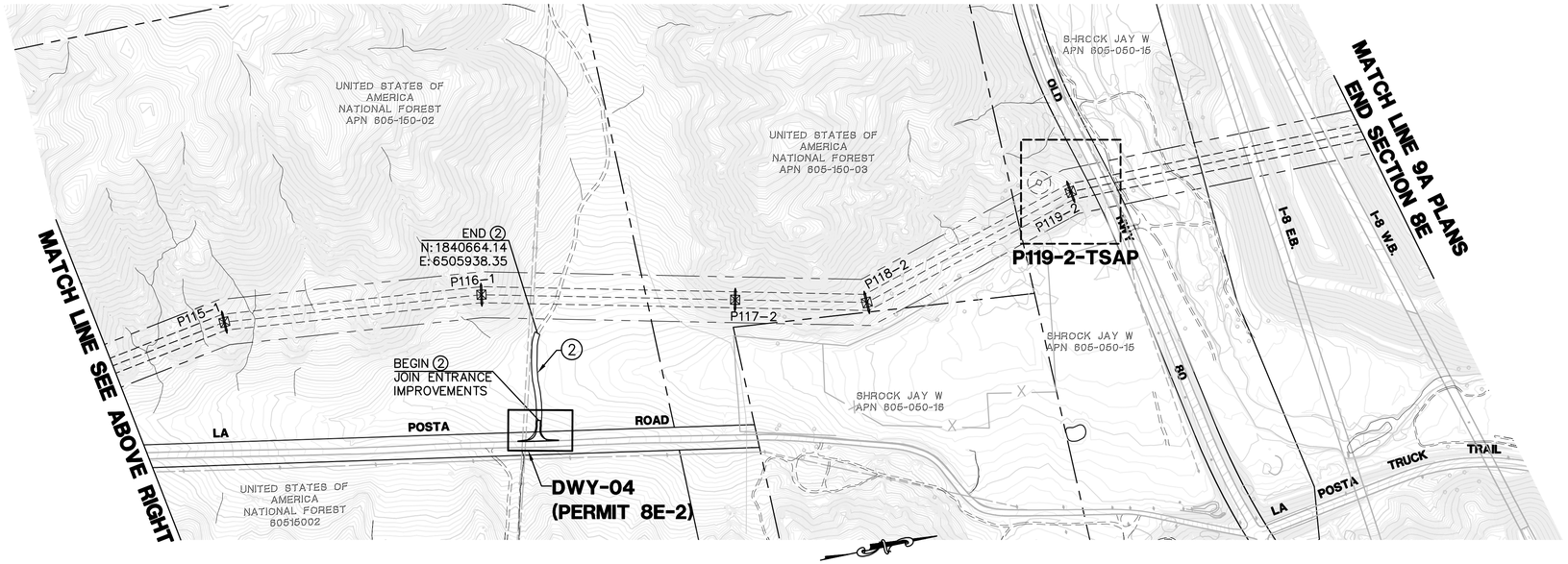


QUANTITIES:

(2) LENGTH OF ACCESS ROAD: 1,905 LF



QUANTITIES:

(2) LENGTH OF ACCESS ROAD: 383 LF

LEGEND

- AREA OF ENLARGED PLAN WITH SHEET NAME REFERENCE (ACTUAL SHEET NAMES INCLUDE THE SECTION # AS A PREFIX) — P218-1-S1
- MINOR ROAD MAINTENANCE – SEE PLAN AND CONSTRUCTION NOTES HEREON
- MINOR ROAD IMPROVEMENTS – SEE PLAN AND CONSTRUCTION NOTES HEREON
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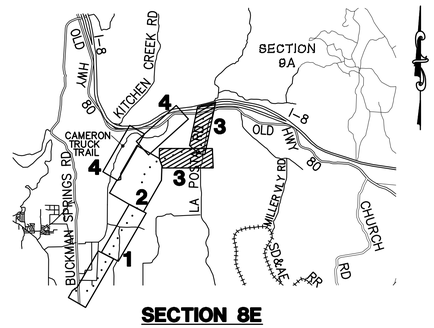
- SITE IMPROVEMENTS – SEE SHEET AS INDICATED
- PULL SITE IMPROVEMENTS – SEE SHEET AS INDICATED
- CONSTRUCTION YARD IMPROVEMENTS – SEE CONSTRUCTION YARD PLANS
- PROPOSED TRANSMISSION LINES
- P218-1 — PROPOSED LATTICE TOWER AND TOWER #
- TSAP — PROPOSED TOWER STAGING ACCESS PAD
- EXISTING 10' CONTOURS
- EXISTING 2' CONTOURS

CONSTRUCTION NOTES

1. GRADE EXISTING ROAD TO BE SMOOTH AND UNIFORM. REMOVE ANY RIDGES AND FILL IN RUTS. EXCESS MATERIAL SHALL BE PLACED IN ROADWAY OR REMOVED FROM SITE. DO NOT BLOCK EXISTING DRAINAGE OUTLETS. REBUILD EXISTING WATER BARS.
2. IN ADDITION TO CONSTRUCTION NOTE #1, WIDEN ROAD TO 12' MINIMUM WIDTH, MAXIMUM CROSS SLOPE = 8%. CLEAR AND GRUB EXISTING BRUSH AS NECESSARY. ALL OTHER REQUIREMENTS FROM NOTE #1 SHALL APPLY.



SECTION 8E LOCATION MAP

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — NO. 25708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

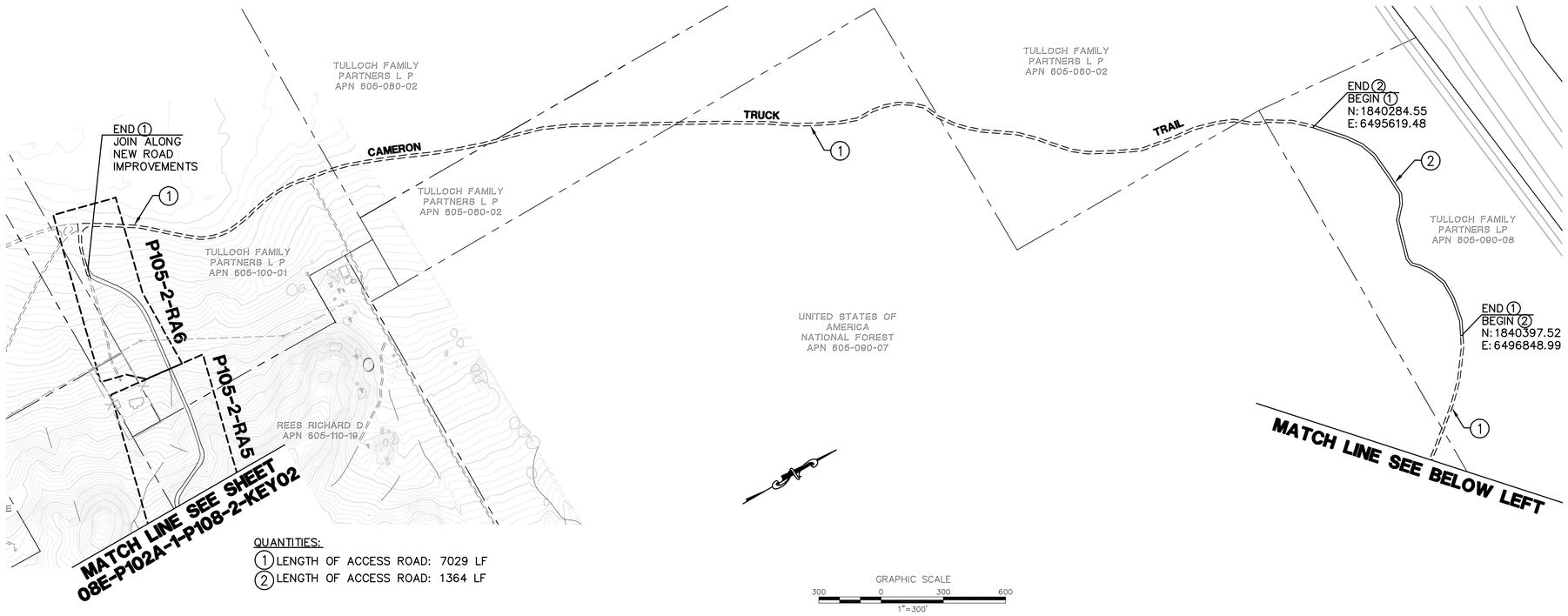
NO.	WORK DONE	DATE	BY:	APP'D:
01	DESIGN CHANGE SHEET P113-4-PS	8/24/10	MM	MB
01	REMOVE SHEET REFERENCE P113-4-PS-A&B	8/24/10	MM	MB

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)

KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS

DRAWN BY: DZ	DATE:	SCALE: 1" = 300'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08E-P109-1-P119-2-KEY03



LEGEND

P218-1-S1	AREA OF ENLARGED PLAN WITH SHEET NAME REFERENCE (ACTUAL SHEET NAMES INCLUDE THE SECTION # AS A PREFIX)
	MINOR ROAD MAINTENANCE – SEE PLAN AND CONSTRUCTION NOTES HEREON
	MINOR ROAD IMPROVEMENTS – SEE PLAN AND CONSTRUCTION NOTES HEREON
	MAJOR ROAD IMPROVEMENTS – SEE SHEET AS INDICATED
	SITE IMPROVEMENTS – SEE SHEET AS INDICATED
	PULL SITE IMPROVEMENTS – SEE SHEET AS INDICATED
	CONSTRUCTION YARD IMPROVEMENTS – SEE CONSTRUCTION YARD PLANS
	PROPOSED TRANSMISSION LINES
P218–1	PROPOSED LATTICE TOWER AND TOWER #
TSAP	PROPOSED TOWER STAGING ACCESS PAD
	EXISTING 10' CONTOURS
	EXISTING 2' CONTOURS

CONSTRUCTION NOTES

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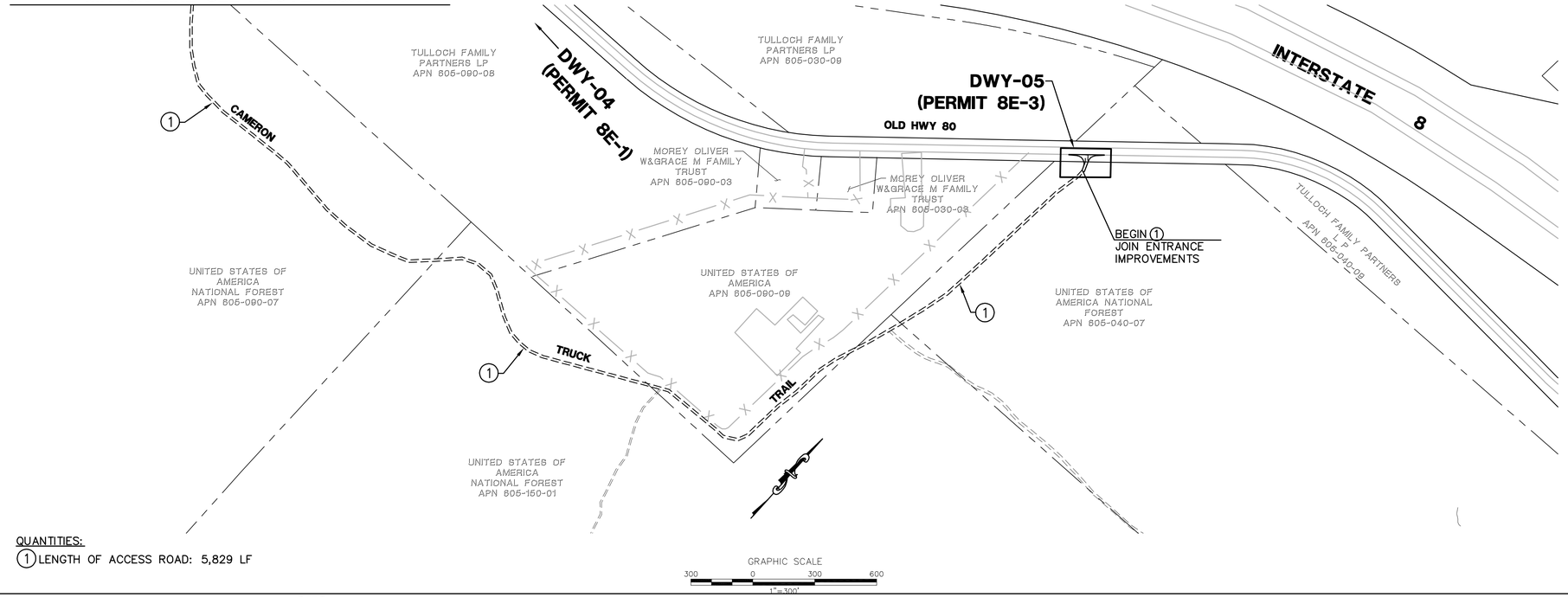

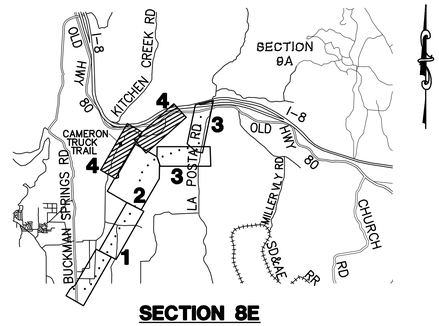

SECTION 8E LOCATION MAP

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — RCE 29708 — Exp. 3-31-17C — CIVIL — STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL–8E (LINK 2)
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS

DRAWN BY: DZ	DATE:	SCALE: 1" = 300'	W.O.	REV. 0	08E-CAMERON-KEY04
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-89-1	500 KV EXMD Lattice Dead End Tower	-54.15	153.75

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		85.87	S27°12'54"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1818486.93	6488237.72	(2892.68)	P-89-1
2	1818441.73	6488260.02	(2893.99)	EG
3	1818438.53	6488266.24	(2894.16)	CL
4	1818435.33	6488272.47	(2894.65)	EG
5	1818430.52	6488281.80	(2894.75)	EG
6	1818497.22	6488316.10	(2896.18)	EG
7	1818513.23	6488284.98	(2895.35)	EG
8	1818446.53	6488250.68	(2893.96)	EG
9	1818365.36	6488220.74	(2892.13)	EG
10	1818362.16	6488226.97	(2891.97)	CL
11	1818358.96	6488233.19	(2891.96)	EG

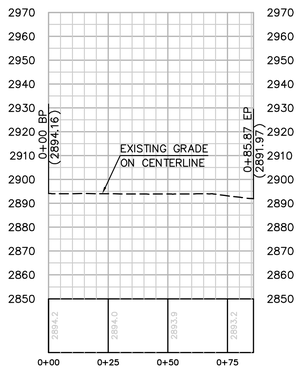
EARTH QUANTITIES:
CUT: 0 CY.
FILL: 0 CY.
NET: 0 CY.

DISTURBED AREA:
PAD: 2627 SF
ROAD: 1202 SF
TOTAL: 3829 SF

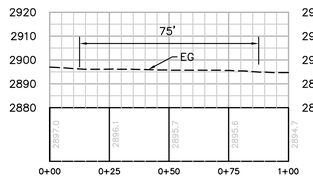
LENGTH OF ACCESS ROAD: 86 LF

TOWER P-89-1 PLAN
SCALE: 1" = 30'

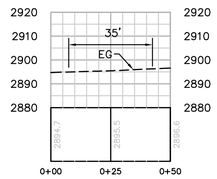
GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-89-1
HORIZ. & VERT. SCALE: 1" = 30'



SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



SECTION C-C
HORIZ. & VERT. SCALE: 1" = 30'

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www.us.bureauveritas.com

REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29708
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-89-1

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P89-1-S1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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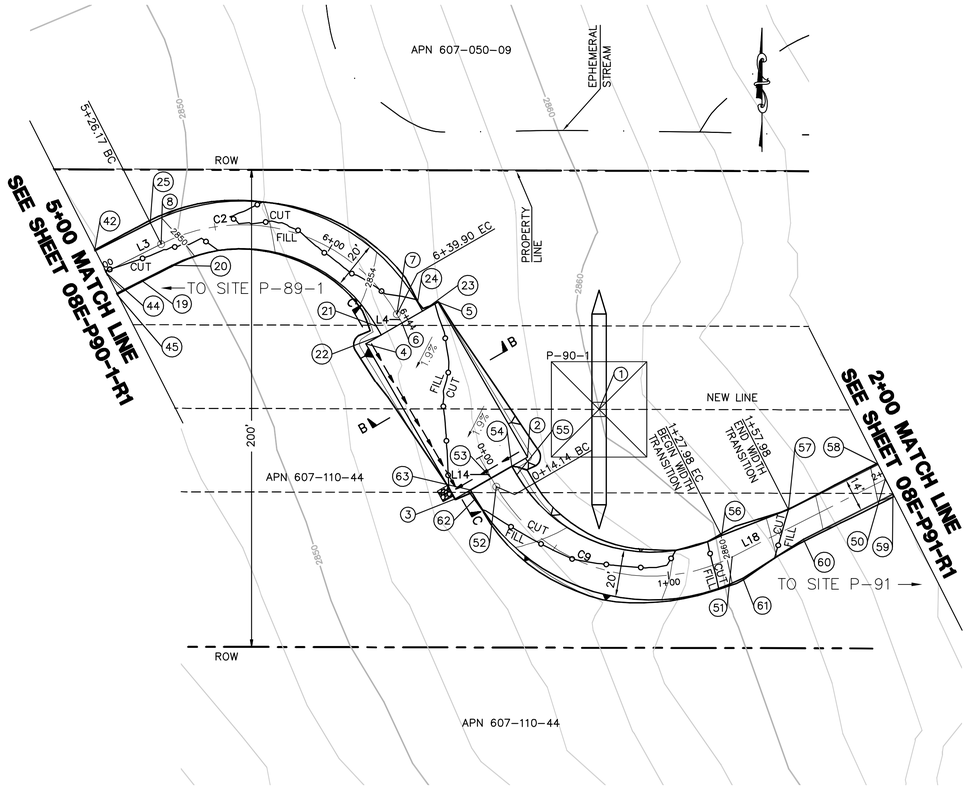


STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-90-1	500 KV EXMT Lattice Tangent Tower	0.00	163.50

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L3		26.17	N63°07'00"E
C2	75.00	113.73	86°53'00"
L4		4.25	S30°00'00"E

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C9	75.00	113.83	86°57'46"
L14		14.14	S29°55'14"E
L18		72.02	N63°07'00"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1818484.56	6489219.54	(2860.34)	P-90-1
2	1818464.56	6489189.55	2855.18	FG
3	1818447.06	6489159.24	2854.60	FG
4	1818512.01	6489121.74	2855.35	FG
5	1818529.51	6489152.05	2855.90	FG
6	1818520.76	6489136.89	2855.62	CL/FG
7	1818524.44	6489134.77	2855.23	CL/EC
8	1818553.83	6489035.90	2849.55	CL/BC
19	1818538.54	6489027.85	2848.53	FG/EC
20	1818544.92	6489040.42	2849.35	FG
21	1818519.44	6489126.11	2855.03	FG
22	1818515.76	6489128.23	2855.42	FG
23	1818525.76	6489145.55	2855.78	FG
24	1818529.44	6489143.43	2855.43	FG
25	1818562.75	6489031.38	2849.75	FG
42	1818550.92	6489008.04	2848.22	FG
43	1818550.92	6489008.04	2848.22	FG
44	1818542.00	6489012.56	2848.02	CL/FG
45	1818533.07	6489017.09	2847.82	FG

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
50	1818455.24	6489339.53	2866.39	CL
51	1818422.68	6489275.29	2860.22	CL/EC
52	1818452.16	6489176.37	2855.03	CL/BC
53	1818455.75	6489174.30	2854.89	CL
54	1818460.75	6489182.96	2854.81	FG
55	1818457.17	6489185.02	2855.03	BC
56	1818431.65	6489270.87	2860.04	EC
57	1818442.49	6489298.88	2862.97	FG
58	1818461.49	6489336.36	2866.25	FG
59	1818449.00	6489342.69	2866.53	FG
60	1818430.00	6489305.21	2863.25	FG
61	1818413.76	6489279.81	2860.42	EC
62	1818447.15	6489167.71	2855.04	BC
63	1818450.75	6489165.64	2854.72	FG

EARTH QUANTITIES:
CUT: 91 CY.
FILL: 82 CY.
NET: 9 CY.

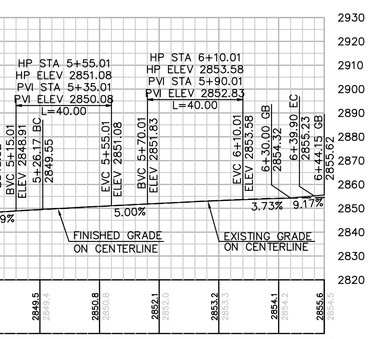
DISTURBED AREA:
PAD: 3,213 SF
ROAD: 6,952 SF
TOTAL: 10,165 SF

LENGTH OF ACCESS ROAD: 344 LF

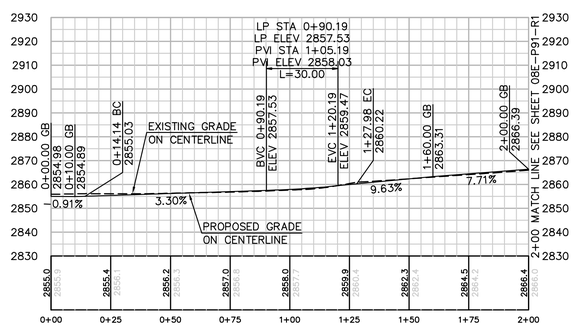
EARTH QUANTITIES:
RIP RAP: 25 SF

TOWER P-90-1 PLAN
SCALE: 1" = 30'

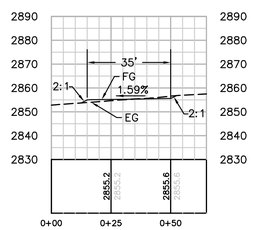
GRAPHIC SCALE
30 0 30 60
1"=30'



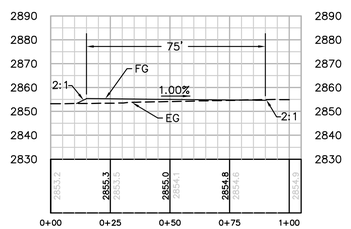
PROFILE: ACCESS ROAD TO TOWER P-90-1
HORIZ. & VERT. SCALE: 1" = 30'



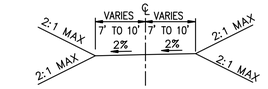
PROFILE: ACCESS ROAD TO TOWER P-91
HORIZ. & VERT. SCALE: 1" = 30'



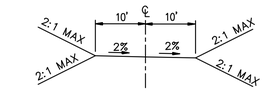
SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



SECTION C-C
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
ROAD TO P-91
STA 0+00.00 TO 2+00.00
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
STA 5+00.00 TO 6+44.15
N.T.S.

Bureau Veritas North America
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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29708
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

REVISIONS

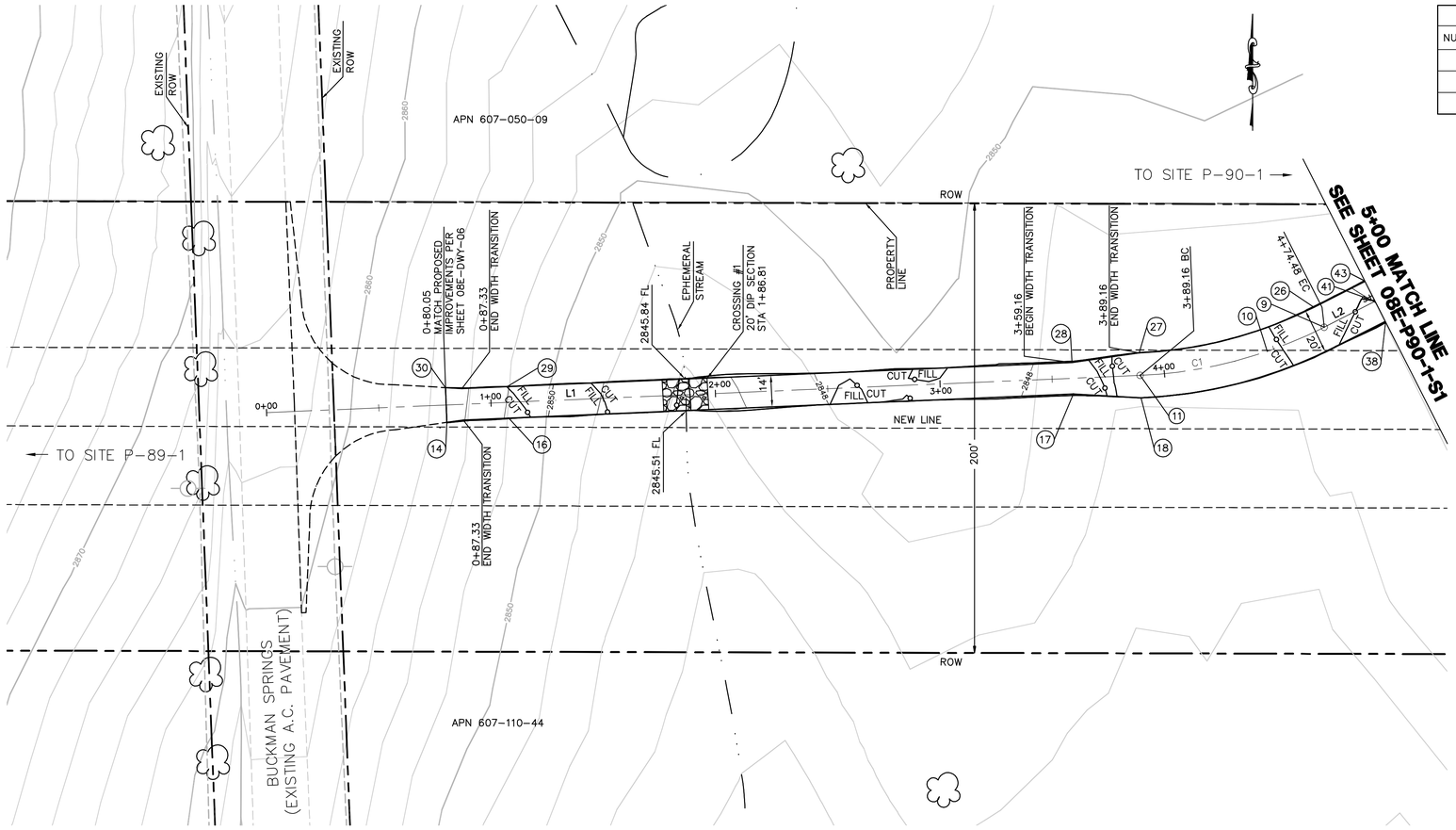
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-90-1

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P90-1-S1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P90-S1.dwg[Mxy-24-20101120



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		389.16	N87°33'25"E
C1	200.00	85.31	24°26'25"
L2		25.52	N63°07'00"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
9	1818530.46	6488989.79	2847.18	CL/EC
10	1818519.73	6488964.45	2846.56	CL/FG
11	1818509.03	6488907.88	2846.31	CL/BC
14	1818488.14	6488599.38	2854.95	FG
16	1818490.03	6488626.79	2851.84	FG
17	1818500.76	6488878.21	2846.90	FG
18	1818499.04	6488908.31	2846.11	BC
26	1818539.38	6488985.27	2847.38	FG
27	1818519.02	6488907.46	2846.51	FG
28	1818514.74	6488877.61	2847.18	FG
29	1818504.02	6488626.20	2852.12	FG
30	1818503.58	6488598.72	2855.26	FG
38	1818533.07	6489017.09	2847.82	FG
41	1818542.00	6489012.56	2848.02	CL/FG
43	1818550.92	6489008.04	2848.22	FG

ACCESS ROAD TO TOWERS P-90-1 TO P-94 PLAN

SCALE: 1" = 30'

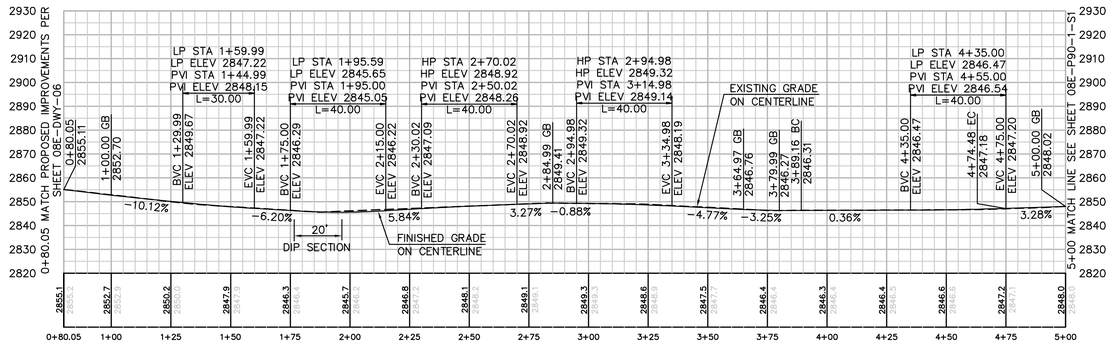
GRAPHIC SCALE
30 0 30 60
1"=30'

EARTH QUANTITIES:
CUT: 25 CY.
FILL: 6 CY.
NET: 19 CY.
DIP SECTION EXPORT: 19 CY.

DISTURBED AREA:
ROAD: 6,898 SF.
TOTAL: 6,898 SF.

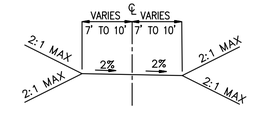
QUANTITIES:
DIP SECTION: 280 SF.

LENGTH OF ACCESS ROAD: 420 LF



PROFILE: ACCESS ROAD TO TOWER P-90-1

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+80.05 TO 5+00.00

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P90-R1.dwg[]May-24-2010]1:16

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
NO. 29708
Exp.3-31-11
CIVIL
STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)

ACCESS ROAD TO SITES P-90-1 TO P-94

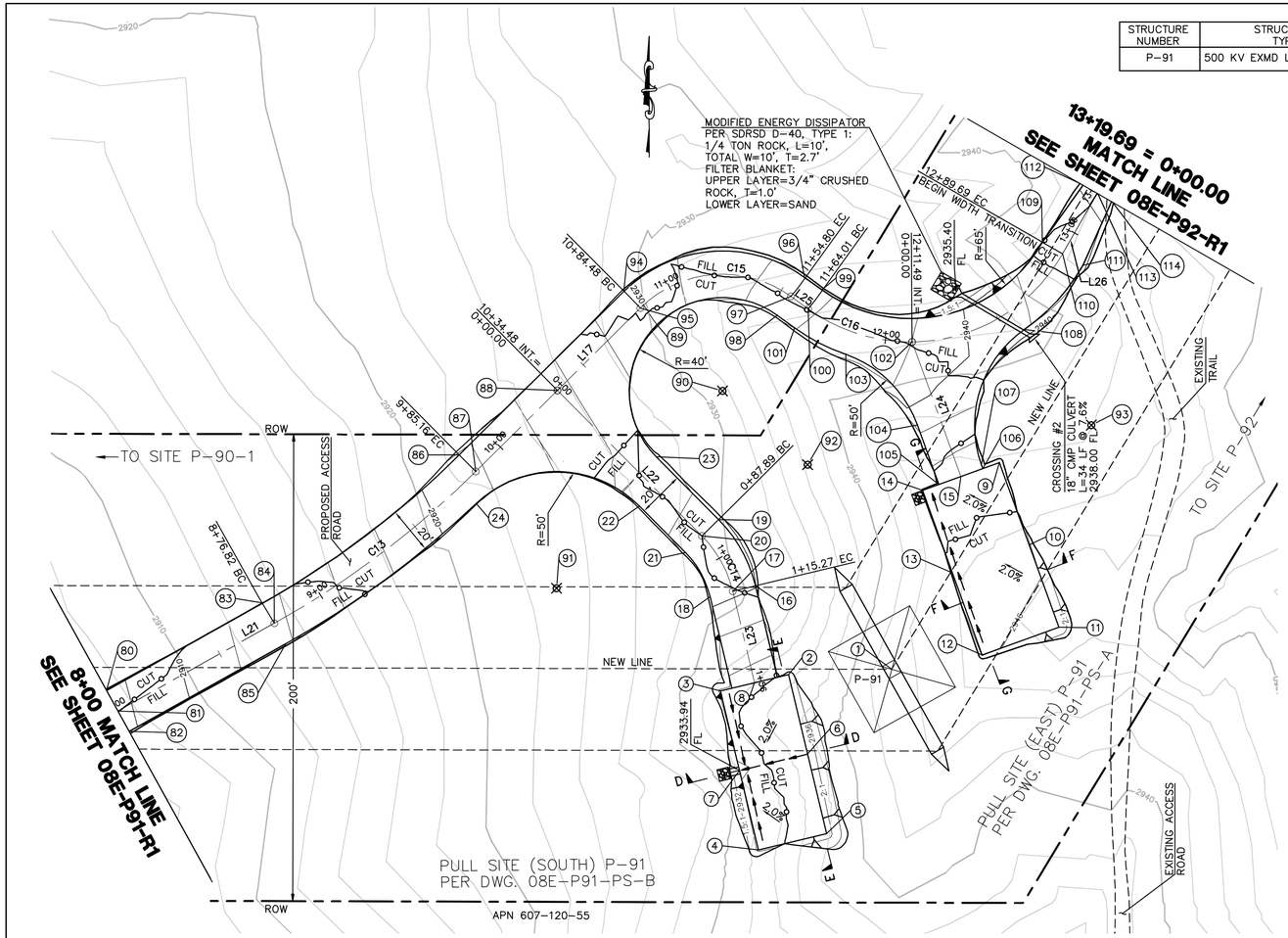
DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P90-1-R1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P–91	500 KV EXMD Lattice Dead–end Tower	–58.89	156.75

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C13	400.00	108.34	15°31'07"
C14	50.00	27.38	31°22'29"
C15	50.00	70.32	80°34'55"
C16	75.00	125.68	96°00'47"
L17		99.33	N45°12'45"E
L21		76.82	N60°43'52"E
L22		87.89	S44°47'15"E
L23		40.35	S13°24'46"E
L24		61.30	S19°53'57"E
L25		9.20	S54°12'21"E
L26		30.00	N29°46'52"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1818482.10	6490232.15	(2941.89)	P–91
2	1818479.79	6490187.98	2934.85	FG
3	1818472.83	6490158.80	2934.46	FG
4	1818404.74	6490175.04	2934.46	FG
5	1818411.70	6490204.22	2934.85	FG
6	1818445.69	6490195.96	2934.33	FG
7	1818438.78	6490166.91	2933.93	FG
8	1818476.31	6490173.39	2934.66	CL
9	1818570.62	6490278.19	2945.21	FG
10	1818535.36	6490290.96	2945.77	FG
11	1818500.10	6490303.72	2946.34	FG
12	1818488.19	6490270.81	2945.88	FG
13	1818523.45	6490258.05	2945.32	FG
14	1818558.71	6490245.28	2944.76	FG
15	1818564.67	6490261.74	2944.99	CL
16	1818517.88	6490173.76	2929.92	EC
17	1818515.56	6490164.03	2929.72	CL/EC
18	1818513.24	6490154.30	2929.52	EC
19	1818546.23	6490157.98	2929.17	BC
20	1818539.18	6490150.88	2928.97	CL/BC
21	1818532.14	6490143.78	2928.77	BC
22	1818552.02	6490124.04	2926.70	EC
23	1818573.12	6490131.28	2926.65	BC
24	1818553.09	6490054.17	2921.34	BC
80	1818472.94	6489895.82	2907.27	FG
81	1818464.21	6489900.71	2907.47	CL
82	1818455.49	6489905.60	2907.67	FG
83	1818510.49	6489962.84	2913.35	BC
84	1818501.77	6489967.72	2913.55	CL/BC
85	1818493.05	6489972.61	2913.75	BC

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
86	1818573.91	6490046.91	2921.53	EC
87	1818566.81	6490053.95	2921.73	CL/EC
88	1818601.56	6490088.96	2925.51	CL/INT
89	1818629.72	6490131.52	2930.00	EC
90	1818601.30	6490159.67	2931.50	RP
91	1818516.80	6490088.56	2922.85	RP
92	1818569.73	6490196.10	2936.37	RP
93	1818586.66	6490317.59	2943.95	RP
94	1818643.88	6490117.40	2929.59	BC
95	1818636.79	6490124.45	2929.79	CL/BC
96	1818649.97	6490194.76	2934.91	EC
97	1818641.86	6490188.91	2935.11	CL/EC
98	1818633.75	6490183.06	2935.31	EC
99	1818644.59	6490202.23	2935.55	BC
100	1818636.48	6490196.38	2935.75	CL/BC
101	1818628.36	6490190.53	2935.95	BC
102	1818622.31	6490240.87	2938.02	CL/INT
103	1818616.98	6490212.45	2937.06	BC
104	1818586.75	6490243.11	2941.42	EC
105	1818561.26	6490252.34	2944.85	FG
106	1818568.07	6490271.14	2945.12	FG
107	1818569.64	6490270.57	2945.05	BC
108	1818627.64	6490288.94	2941.80	EC
109	1818665.02	6490296.66	2942.83	EC
110	1818660.06	6490305.34	2943.03	CL/EC
111	1818655.09	6490314.02	2943.23	EC
112	1818689.57	6490314.16	2944.11	FG
113	1818686.10	6490320.24	2944.25	CL
114	1818682.62	6490326.31	2944.39	FG



TOWER P-91 PLAN
SCALE: 1" = 30'

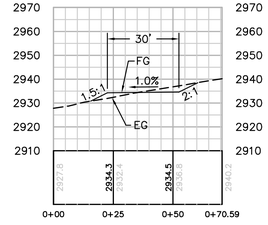
GRAPHIC SCALE
30 0 30 60
1"=30'

EARTH QUANTITIES:
CUT: 281 CY.
FILL: 257 CY.
NET: 24 CY.

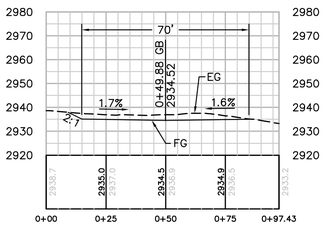
DISTURBED AREA:
PAD: 6465 SF
ROAD: 16590 SF
TOTAL: 23055 SF

LENGTH OF ACCESS ROAD: 736 LF

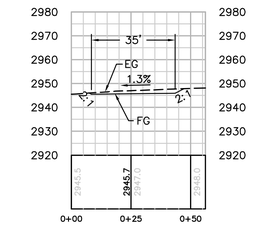
QUANTITIES:
DOWN DRAIN: 5 LF
RIP RAP: 100 SF
18" CMP CULVERT: 34 LF
FLARED END SECTION: 2 EA
ENERGY DISSIPATOR: 100 SF



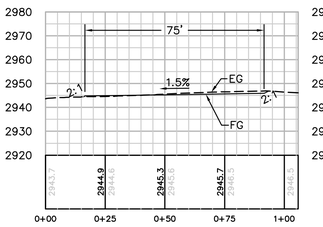
SECTION D-D
HORIZ. & VERT. SCALE: 1" = 30'



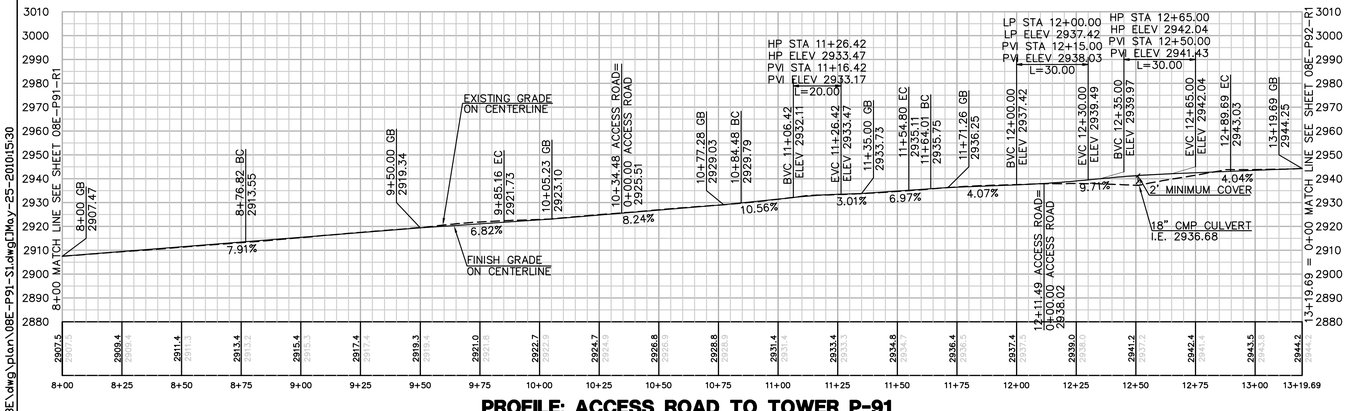
SECTION E-E
HORIZ. & VERT. SCALE: 1" = 30'



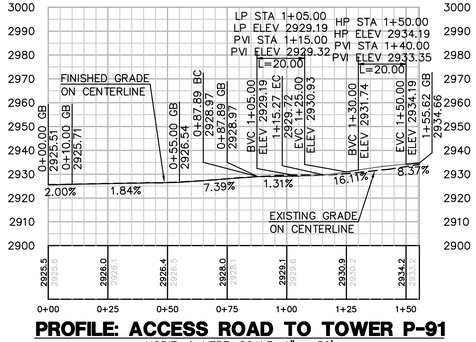
SECTION F-F
HORIZ. & VERT. SCALE: 1" = 30'



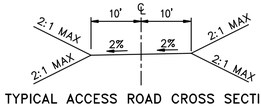
SECTION G-G
HORIZ. & VERT. SCALE: 1" = 30'



PROFILE: ACCESS ROAD TO TOWER P-91
HORIZ. & VERT. SCALE: 1" = 30'



PROFILE: ACCESS ROAD TO TOWER P-91
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 8+00.00 TO 12+89.69
STA 0+00.00 TO 1+55.62

REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:

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REGISTERED PROFESSIONAL ENGINEER
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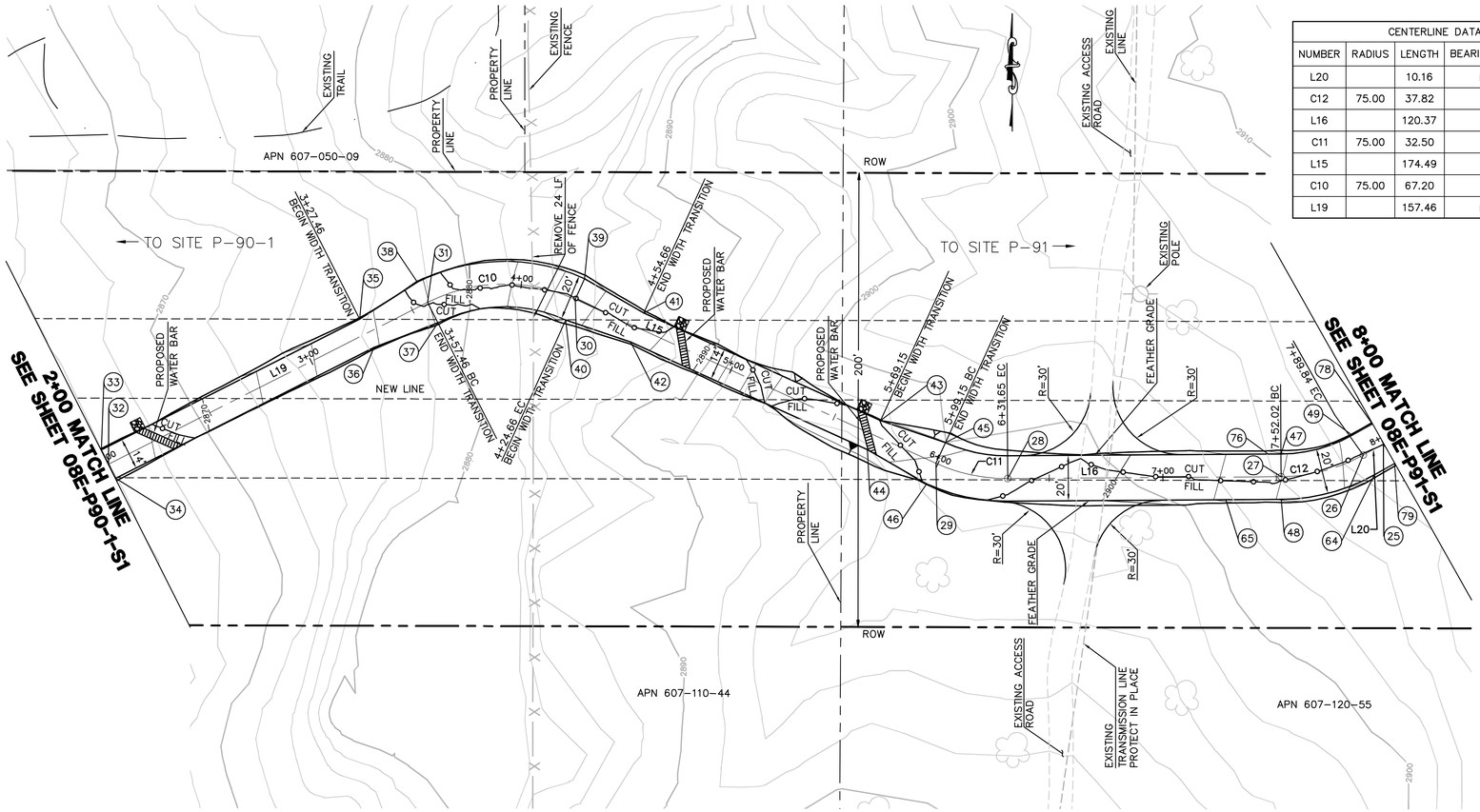
STATE OF CALIFORNIA

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL–8E (LINK 2)
SITE P–91

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08E–P91–S1

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P91-S1.dwg[3May-25-2010]5:30



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L20		10.16	N60°43'52"E
C12	75.00	37.82	28°53'24"
L16		120.37	N89°37'15"E
C11	75.00	32.50	24°49'44"
L15		174.49	S65°33'00"E
C10	75.00	67.20	51°19'59"
L19		157.46	N63°07'00"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
25	1818464.21	6489900.71	2907.47	CL
26	1818459.25	6489891.85	2906.73	CL
27	1818449.67	6489855.68	2903.97	CL/BC
28	1818448.88	6489735.31	2898.46	CL/EC
29	1818455.60	6489703.77	2898.07	CL/BC
30	1818527.82	6489544.93	2885.03	CL/EC
31	1818526.44	6489479.97	2877.94	CL/BC
32	1818455.24	6489339.53	2866.39	CL
33	1818461.49	6489336.36	2866.25	FG
34	1818449.00	6489342.69	2866.53	FG
35	1818519.12	6489450.05	2875.55	FG
36	1818506.64	6489456.38	2875.83	FG
37	1818517.53	6489484.49	2878.14	BC
38	1818535.36	6489475.45	2877.74	BC
39	1818536.93	6489549.06	2884.83	EC
40	1818518.72	6489540.79	2885.23	EC
41	1818521.78	6489575.13	2887.25	FG
42	1818509.04	6489569.34	2887.53	FG
43	1818474.39	6489679.36	2897.56	FG
44	1818461.65	6489673.57	2897.84	FG

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
45	1818464.70	6489707.91	2897.87	BC
46	1818446.50	6489699.63	2898.27	BC
47	1818459.67	6489855.61	2903.77	BC
48	1818439.67	6489855.75	2904.17	BC
49	1818467.97	6489886.96	2906.53	EC
64	1818450.52	6489896.74	2906.93	EC
65	1818439.51	6489831.33	2902.39	EC
76	1818459.64	6489850.00	2903.36	BC
78	1818472.94	6489895.82	2907.27	FG
79	1818455.49	6489905.60	2907.67	FG

EARTH QUANTITIES:
CUT: 95 CY.
FILL: 85 CY.
NET: 10 CY.

EARTH QUANTITIES:
RIP RAP: 75 SF

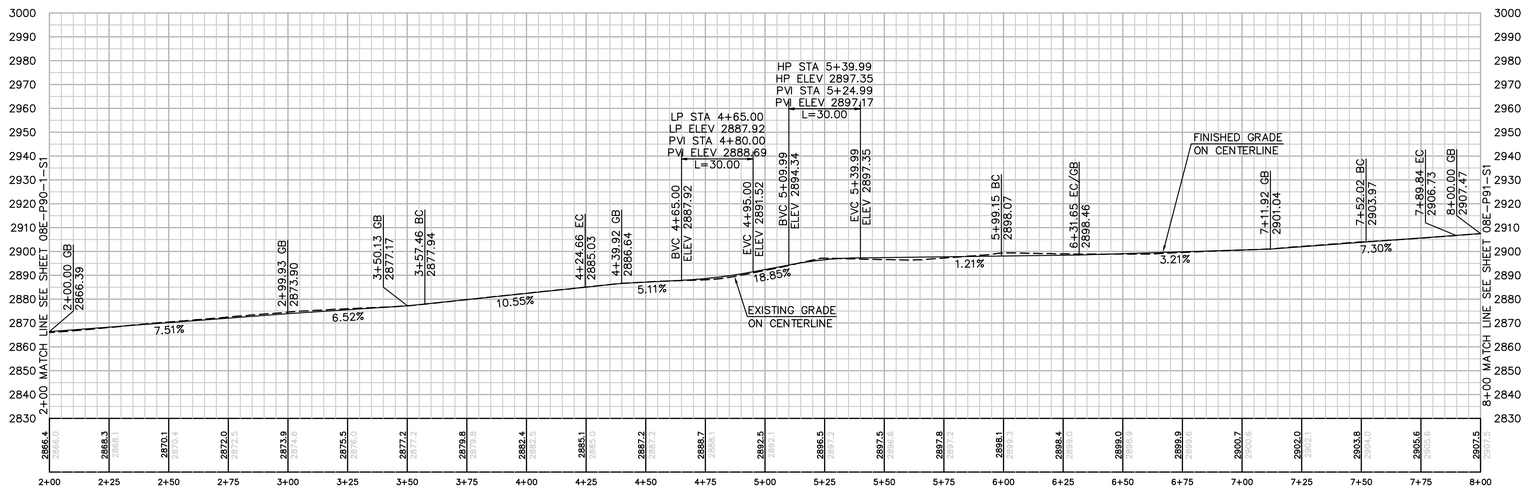
DISTURBED AREA:
PAD: 0 SF
ROAD: 11,771 SF
TOTAL: 11,771 SF

LENGTH OF ACCESS ROAD: 600 LF

ACCESS ROAD TO TOWER P-91 PLAN

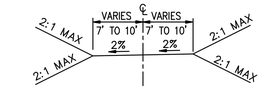
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-91

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 2+00.00 TO 8+00.00

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P91-R1.dwg[JMay-24-2010]1:22

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STATE OF CALIFORNIA

REVISIONS

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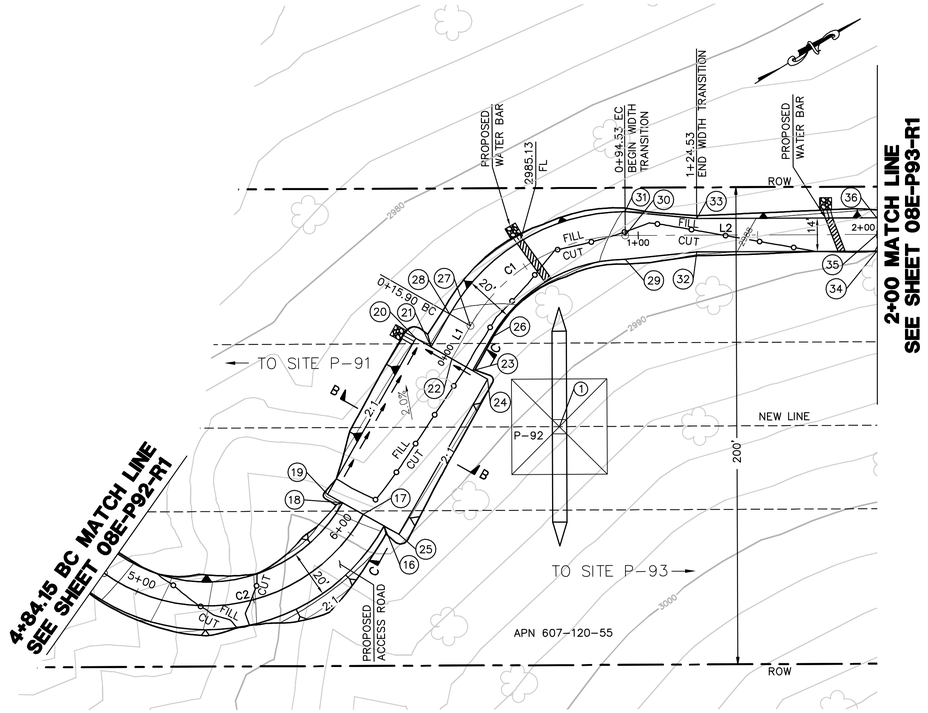
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-91

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08E-P91-R1
CAD NO.:	PLOT SCALE: 1 = 1				



STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-92	500 KV EXMT Lattice Tangent Tower	0.0	124.50

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	75.00	78.64	60°04'34"
L1		15.90	N28°49'38"W
L2		105.47	N31°14'56"E
C2	75.00	125.66	95°59'49"

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1819224.39	6490682.56	(2991.32)	P-92
16	1819139.97	6490679.67	2987.83	EC
17	1819135.08	6490670.95	2987.71	CL/EC
18	1819130.18	6490662.23	2987.58	EC
19	1819126.70	6490656.01	2987.49	FG
20	1819192.39	6490619.52	2986.36	FG
21	1819195.93	6490625.96	2986.46	FG
22	1819200.75	6490634.72	2986.58	CL
23	1819205.57	6490643.48	2986.71	FG
24	1819209.11	6490649.91	2986.80	FG
25	1819143.45	6490685.88	2987.92	FG
26	1819219.50	6490635.81	2986.43	BC
27	1819214.68	6490627.05	2986.23	CL/BC
28	1819209.86	6490618.29	2986.03	BC
29	1819284.56	6490637.19	2986.44	EC
30	1819289.75	6490628.64	2986.24	CL/EC
31	1819294.93	6490620.09	2986.04	EC
32	1819311.76	6490650.19	2987.42	FG
33	1819319.03	6490638.22	2987.14	FG
34	1819376.28	6490689.33	2990.03	FG
35	1819379.91	6490683.35	2989.89	CL
36	1819383.54	6490677.37	2989.75	FG

EARTH QUANTITIES:
CUT: 156 CY.
FILL: 137 CY.
NET: 19 CY.

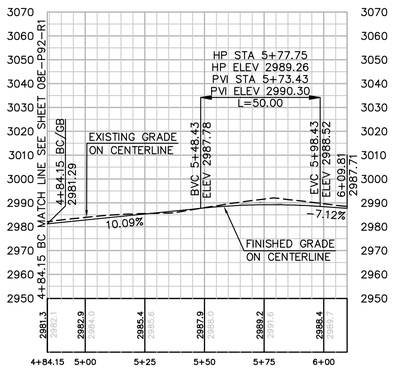
DISTURBED AREA:
PAD: 3,225 SF
ROAD: 7,272 SF
TOTAL: 10,497 SF

QUANTITIES:
RIP RAP: 75 SF
DOWN DRAIN: 14 LF

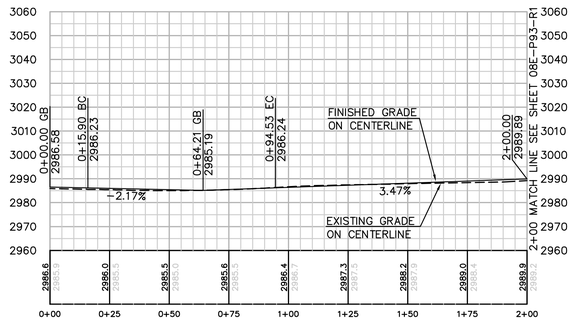
LENGTH OF ACCESS ROAD: 326 LF

TOWER P-92 PLAN
SCALE: 1" = 30'

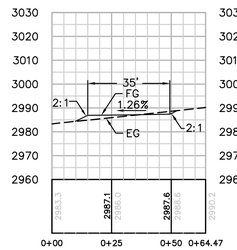
GRAPHIC SCALE
30 0 30 60
1"=30'



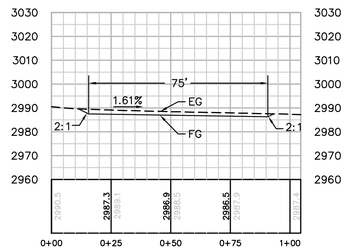
PROFILE: ACCESS ROAD TO TOWER P-92
HORIZ. & VERT. SCALE: 1" = 30'



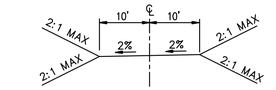
PROFILE: ACCESS ROAD TO TOWER P-93
HORIZ. & VERT. SCALE: 1" = 30'



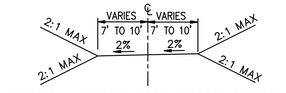
SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



SECTION C-C
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
P-92 ACCESS ROAD
STA 4+84.15 TO 6+09.81



TYPICAL ACCESS ROAD CROSS SECTION
P-93 ACCESS ROAD
STA 0+00.00 TO 2+00.00

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — REG. NO. 29708 — Exp.3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-92

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P92-S1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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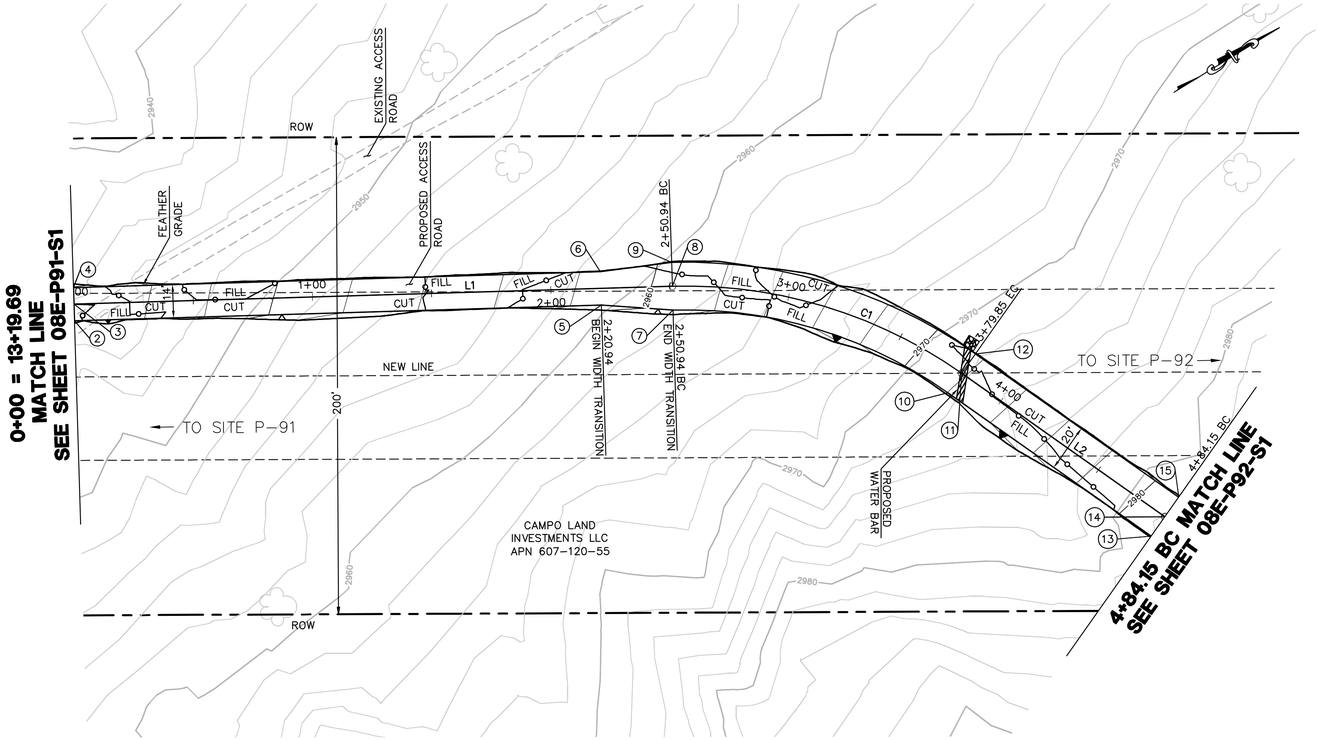


ACCESS ROAD TO TOWER P-92 PLAN

SCALE: 1" = 30'

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	200.00	128.91	36°55'44"
L1		250.94	N29°46'52"E
L2		104.30	N66°42'36"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	1818682.62	6490326.31	2944.39	FG
3	1818686.10	6490320.24	2944.25	CL
4	1818689.57	6490314.16	2944.11	FG
5	1818874.38	6490436.05	2958.82	FG
6	1818881.33	6490423.90	2958.54	FG
7	1818898.93	6490453.56	2960.76	BC
8	1818903.90	6490444.88	2960.56	CL/BC
9	1818908.86	6490436.20	2960.36	BC
10	1818979.08	6490543.34	2972.03	EC
11	1818988.26	6490539.39	2971.83	CL/EC
12	1818997.45	6490535.43	2971.63	EC
13	1819020.31	6490639.14	2981.49	BC
14	1819029.50	6490635.19	2981.29	CL/BC
15	1819038.68	6490631.23	2981.09	BC

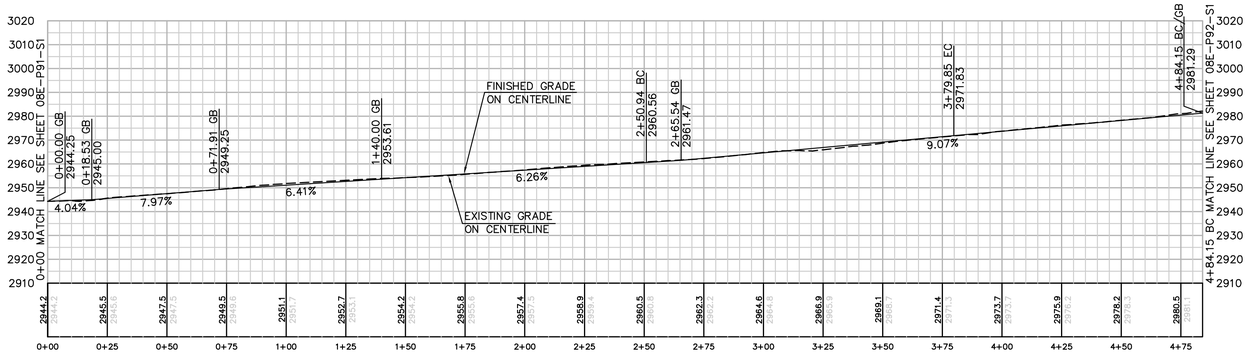
EARTH QUANTITIES:
CUT: 59 CY.
FILL: 53 CY.
NET: 6 CY.

DISTURBED AREA:
ROAD: 9,082 SF

QUANTITIES:
RIP RAP: 25 SF

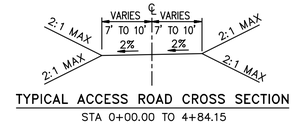
LENGTH OF ACCESS ROAD: 484 LF

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-92

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 4+84.15
N.T.S.

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STEPHEN K. SMITH
RCE 29708
Exp.3-31-17
CIVIL
STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-92

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P92-R1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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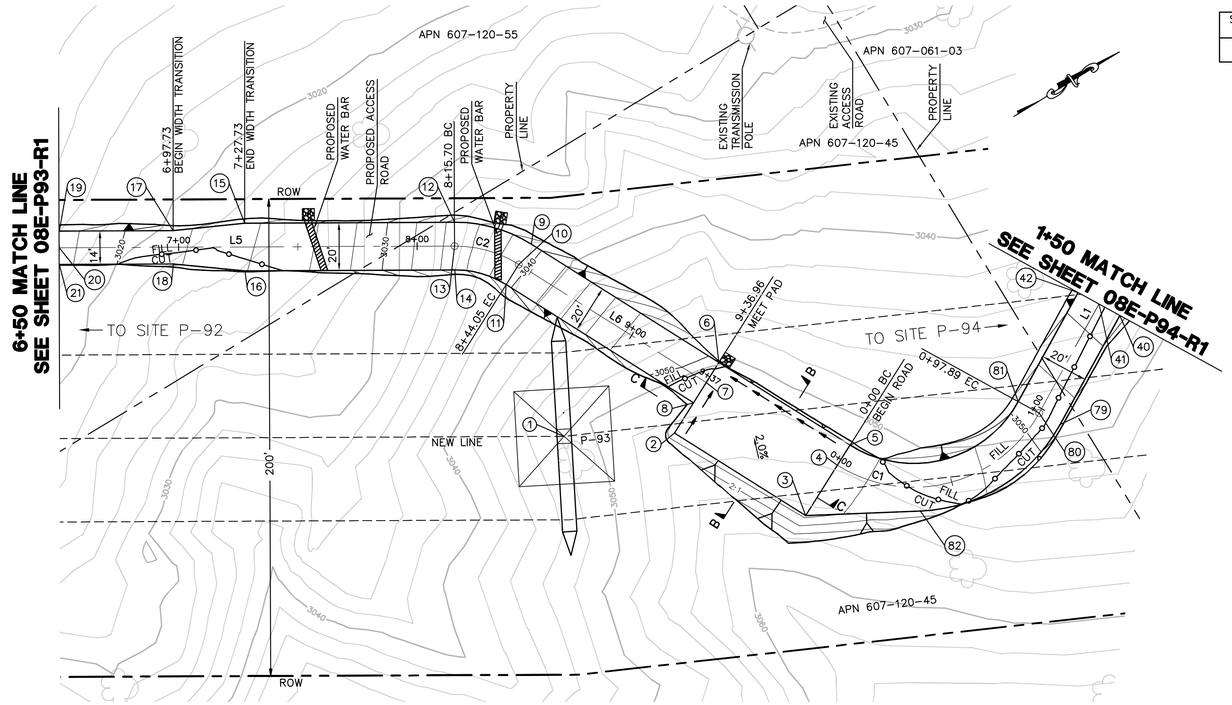


STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-93	500 KV EXMA Lattice Angle Tower	-6.16	142.5

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	60.00	97.89	93°28'43"
L1		52.11	N29°44'55"W
C2	50.00	28.35	32°28'52"
L5		165.70	N31°14'56"E
L6		92.91	N63°43'48"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
40	1820128.86	6491173.34	3044.81	FG
41	1820123.90	6491164.66	3045.01	CL
42	1820118.93	6491155.97	3045.21	FG
79	1820083.62	6491199.19	3049.02	EC
80	1820078.65	6491190.51	3049.22	CL/EC
81	1820073.69	6491181.83	3049.42	EC
82	1820014.77	6491199.54	3052.79	BC

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1819903.75	6491094.78	(3049.46)	P-93
2	1819943.90	6491117.74	3050.59	FG
3	1819972.66	6491176.04	3051.50	FG
4	1819995.08	6491164.98	3051.15	CL/BC
5	1820004.05	6491160.55	3051.01	BC
6	1819975.27	6491102.25	3050.10	FG
7	1819966.31	6491106.68	3050.24	CL
8	1819957.34	6491111.11	3050.38	FG
9	1819934.15	6491018.94	3039.19	EC
10	1819925.18	6491023.37	3039.39	CL/EC
11	1819916.22	6491027.79	3039.59	EC
12	1819911.47	6490994.20	3034.56	BC
13	1819906.29	6491002.75	3034.76	CL/BC
14	1819901.10	6491011.30	3034.96	BC
15	1819836.26	6490948.56	3023.51	FG
16	1819825.89	6490965.66	3023.91	FG
17	1819809.06	6490935.57	3021.44	FG
18	1819801.80	6490947.54	3021.72	FG
19	1819768.26	6490910.81	3017.08	FG
20	1819764.63	6490916.79	3017.22	CL
21	1819760.99	6490922.78	3017.36	FG

EARTH QUANTITIES:
CUT: 238 CY.
FILL: 244 CY.
NET: 6 CY.

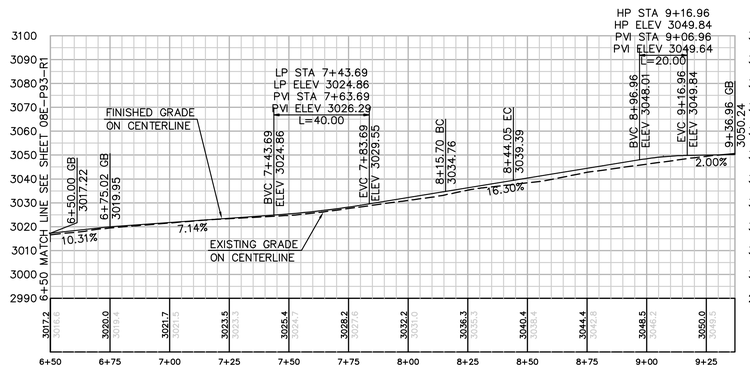
DISTURBED AREA:
PAD: 2,993 SF
ROAD: 10,992 SF
TOTAL: 13,985 SF

LENGTH OF ACCESS ROAD: 437 LF

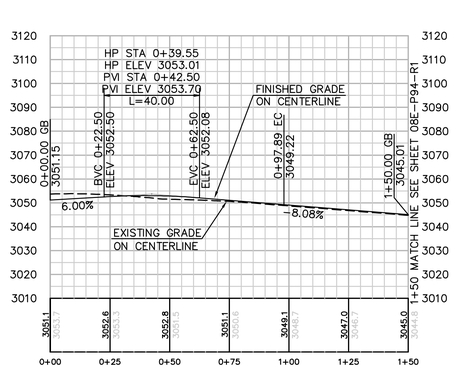
QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 2 LF

TOWER P-93 PLAN
SCALE: 1" = 30'

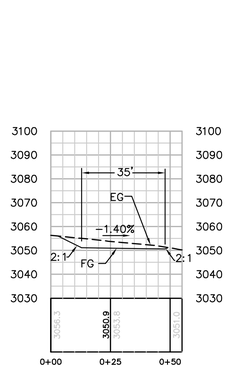
GRAPHIC SCALE
30 0 30 60
1"=30'



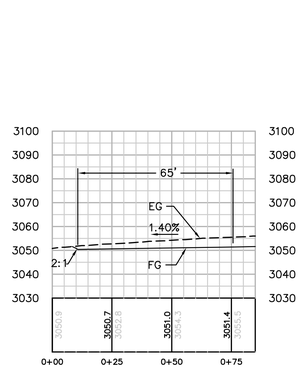
PROFILE: ACCESS ROAD TO TOWER P-93
HORIZ. & VERT. SCALE: 1" = 30'



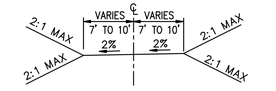
PROFILE: ACCESS ROAD TO TOWER P-94
HORIZ. & VERT. SCALE: 1" = 30'



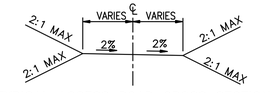
SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



SECTION C-C
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
P-93 ACCESS ROAD
STA 6+50.00 TO 9+37.00
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
P-94 ACCESS ROAD
STA 0+00.00 TO 1+50.00
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
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RCE 25708
Exp. 3-31-19
CIVIL
STATE OF CALIFORNIA

REVISIONS

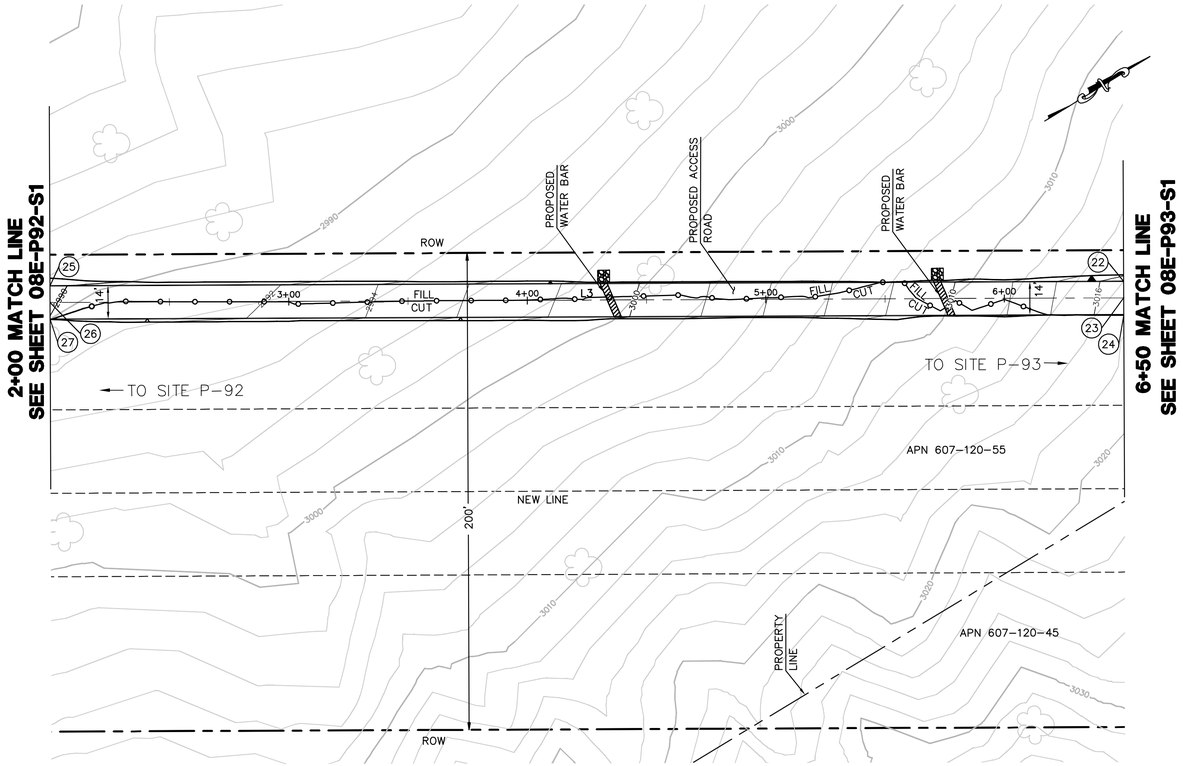
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-93

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0
CHECKED BY:	DATE:			
APPROVED BY:	DATE:			
CAD NO.:	PLOT SCALE: 1 = 1			

08E-P93-S1



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L3		450.00	N31°14'56"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
22	1819768.26	6490910.81	3017.08	FG
23	1819764.63	6490916.79	3017.22	CL
24	1819760.99	6490922.78	3017.36	FG
25	1819383.54	6490677.37	2989.75	FG
26	1819379.91	6490683.35	2989.89	CL
27	1819376.26	6490689.37	2990.01	FG

EARTH QUANTITIES:
CUT: 29 CY.
FILL: 39 CY.
NET: 10 CY.

DISTURBED AREA:
ROAD: 7222 SF
TOTAL: 7222 SF

QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 1 LF

LENGTH OF ACCESS ROAD: 450 LF

ACCESS ROAD TO TOWER P-93 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
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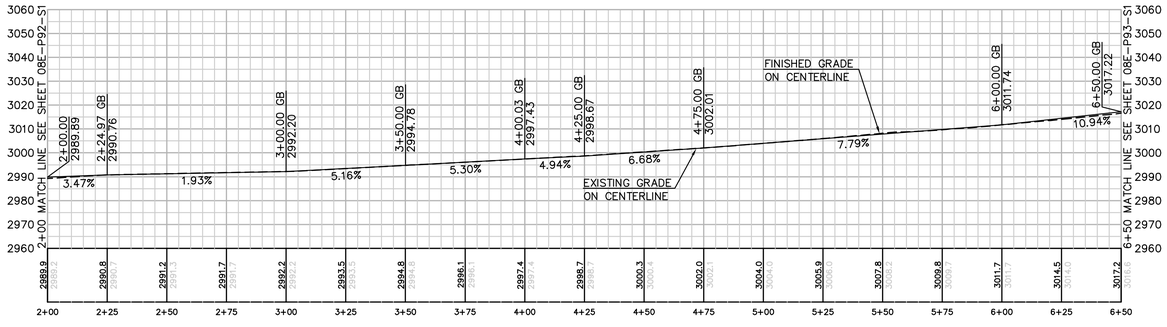
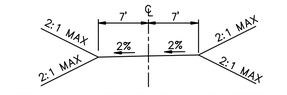
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-93

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



TYPICAL ACCESS ROAD CROSS SECTION

P-93 ACCESS ROAD
STA 2+00.00 TO 6+50.00

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29708
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

REVISIONS

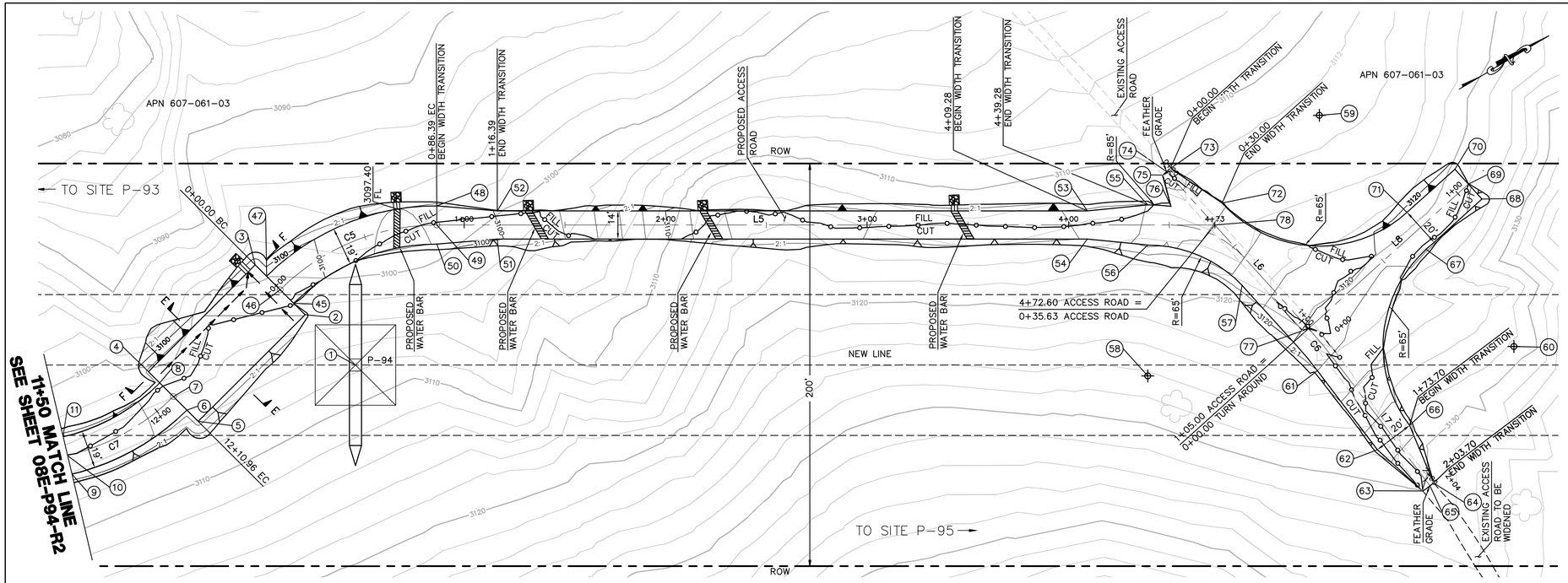
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-93

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				08E-P93-R1
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P–94	500 KV EXMT Lattice Tangent Tower	0.00	160.5



NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1821104.30	6491656.94	(3107.98)	P–94
2	1821092.26	6491623.69	3101.99	FG
3	1821080.35	6491590.79	3101.50	FG
4	1821009.83	6491616.33	3102.55	FG
5	1821021.75	6491649.23	3103.04	FG
6	1821019.02	6491641.71	3102.93	EC
7	1821015.79	6491632.78	3102.80	CL/EC
8	1821012.53	6491623.86	3102.66	EC
9	1820953.80	6491646.31	3104.51	FG
10	1820955.75	6491637.01	3104.69	CL
11	1820957.70	6491627.71	3104.88	FG
45	1821089.54	6491616.17	3101.88	BC
46	1821086.31	6491607.24	3101.74	CL/BC
47	1821083.07	6491598.31	3101.61	BC
48	1821174.44	6491602.44	3098.54	EC
49	1821170.41	6491611.05	3098.35	CL/EC
50	1821166.38	6491619.65	3098.16	EC
51	1821194.61	6491630.11	3099.83	FG
52	1821200.55	6491617.43	3100.11	FG
53	1821465.80	6491741.63	3114.34	FG
54	1821459.86	6491754.31	3114.06	FG
55	1821494.24	6491751.63	3113.93	BC
56	1821485.76	6491769.75	3113.53	EC
57	1821519.75	6491807.72	3116.65	EC
58	1821458.20	6491828.61		RP
59	1821590.24	6491747.50		RP
60	1821629.04	6491892.49		RP
61	1821535.63	6491861.99	3122.00	FG
62	1821545.90	6491910.21	3127.07	FG
63	1821557.67	6491938.37	(3130.06)	FG
64	1821564.18	6491936.98	(3130.45)	FG
65	1821561.94	6491937.46	(3130.36)	CL
66	1821565.46	6491906.04	3127.47	BC
67	1821610.02	6491830.33	3121.56	EC
68	1821645.71	6491819.42	3122.16	FG
69	1821642.78	6491809.86	3121.96	CL
70	1821639.86	6491800.29	3121.76	FG
71	1821609.26	6491809.65	3121.25	EC
72	1821528.09	6491766.51	3113.76	BC
73	1821512.10	6491740.02	(3111.21)	FG
74	1821509.75	6491740.74	(3110.91)	CL
75	1821507.35	6491741.48	(3110.59)	FG
76	1821504.33	6491757.23	3111.96	EC
77	1821540.46	6491841.15	3120.21	CL/INT
78	1821520.17	6491774.82	3114.06	CL/INT

EARTH QUANTITIES:
CUT: 362 CY.
FILL: 321 CY.
NET: 41 CY.

DISTURBED AREA:
PAD: 3,867 SF
ROAD: 19,970 SF
TOTAL: 23,837 SF

QUANTITIES:
DOWN DRAIN: 8 LF
RIP RAP: 125 SF

LENGTH OF ACCESS ROAD: 830 LF

TOWER P-94 PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
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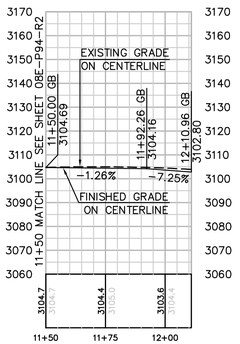
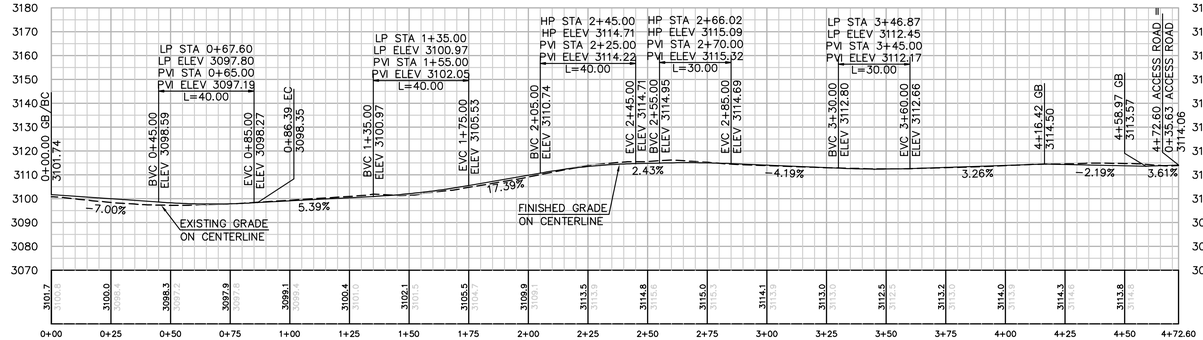
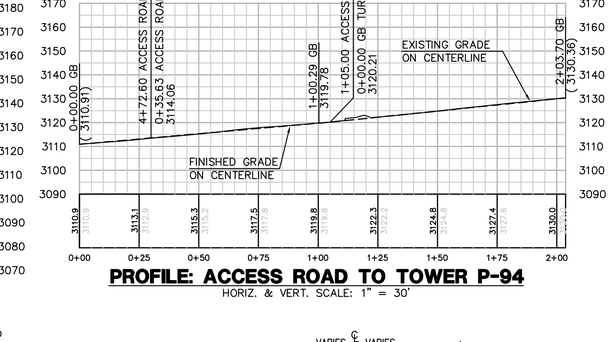
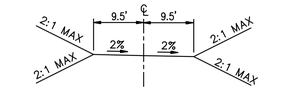
1"=30'



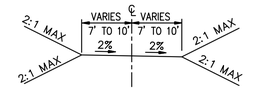




PROFILE: ACCESS ROAD TO TOWER P-94
HORIZ. & VERT. SCALE: 1" = 30'

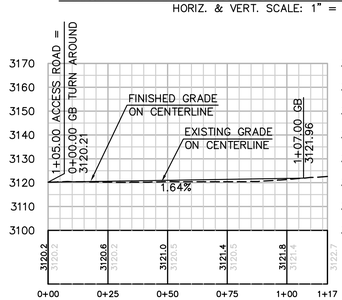


TYPICAL ACCESS ROAD CROSS SECTION
11+50 TO 12+10.96
P–94 ACCESS ROAD

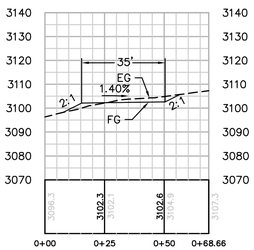


TYPICAL ACCESS ROAD CROSS SECTION
0+86.39 TO 4+72.60
P–94 ACCESS ROAD

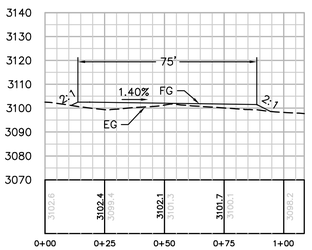
PROFILE: ACCESS ROAD TO TOWER P-94
HORIZ. & VERT. SCALE: 1" = 30'



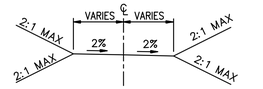
PROFILE: TURNAROUND
HORIZ. & VERT. SCALE: 1" = 30'



SECTION E-E
HORIZ. & VERT. SCALE: 1" = 30'



SECTION F-F
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
0+00 TO 2+03.70
P–94 ACCESS ROAD

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C5	110.00	86.39	45°00'00"
C6	200.00	17.37	4°58'35"
C7	110.00	60.96	31°45'12"
L5		386.21	N25°05'27"E
L6		107.03	N72°59'38"E
L7		79.30	N77°58'12"E
L8		107.00	N17°00'20"W

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STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL–8E (LINK 2)
SITE P–94

DRAWN BY: AB	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E–P94–S1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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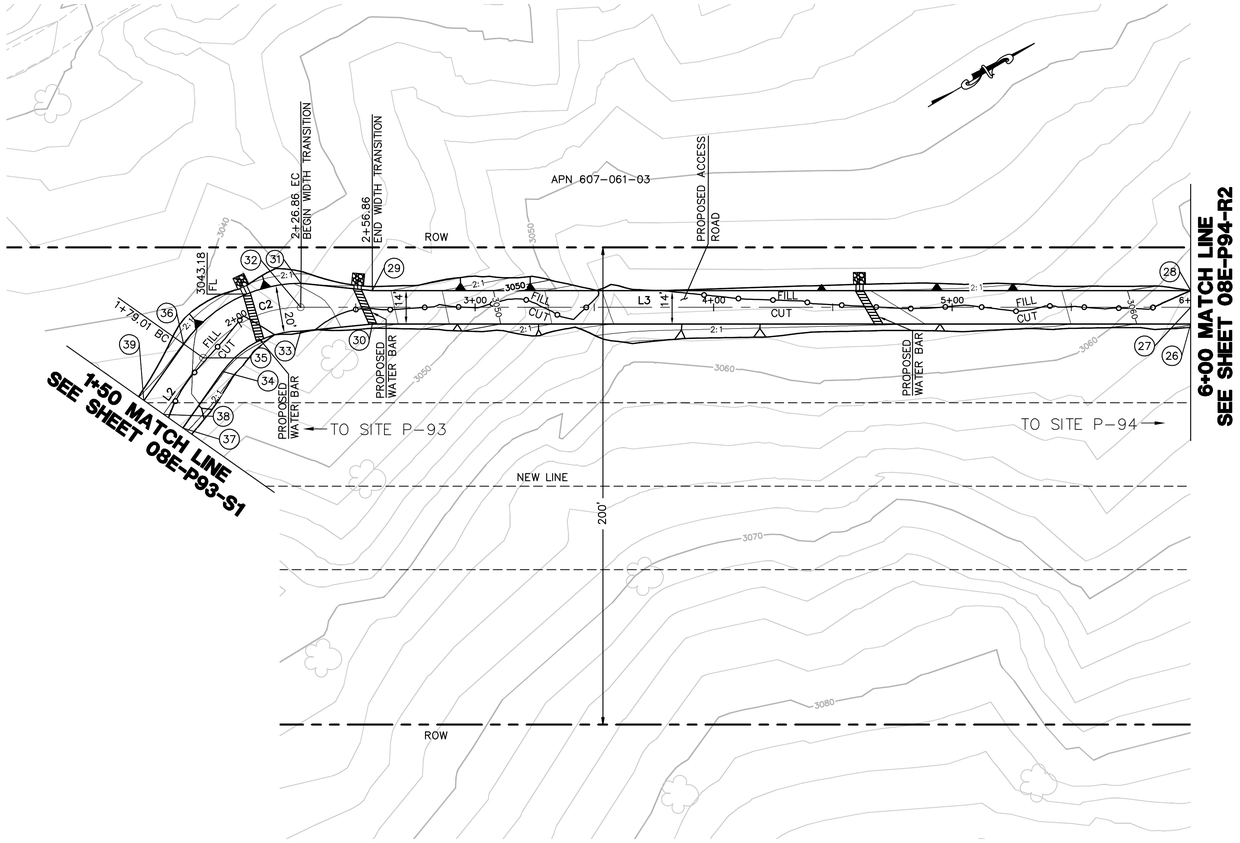


CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C2	50.00	47.86	54°50'22"
L2		29.01	N29°44'55"W
L3		373.14	N25°05'27"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
26	1820530.05	6491312.96	3061.74	FG
27	1820533.02	6491306.62	3061.88	CL
28	1820535.99	6491300.28	3062.02	FG
29	1820225.23	6491154.77	3045.27	FG
30	1820219.30	6491167.45	3044.99	FG
31	1820199.34	6491139.33	3044.03	EC
32	1820195.09	6491148.39	3043.83	CL/EC
33	1820190.85	6491157.45	3043.63	EC
34	1820154.04	6491158.94	3043.70	BC
35	1820149.08	6491150.26	3043.90	CL/BC
36	1820144.12	6491141.58	3044.10	BC
37	1820128.86	6491173.34	3044.81	FG
38	1820123.90	6491164.66	3045.01	CL
39	1820118.93	6491155.97	3045.21	FG

EARTH QUANTITIES:
CUT: 135 CY.
FILL: 122 CY.
NET: 13 CY.

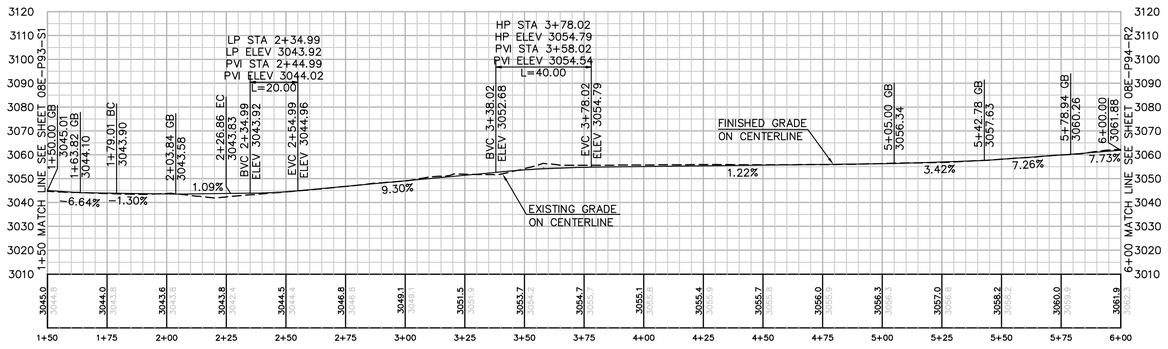
DISTURBED AREA:
ROAD: 9,684 SF
TOTAL: 9,684 SF

QUANTITIES:
RIP RAP: 75 SF.
DOWN DRAIN: 6 LF.

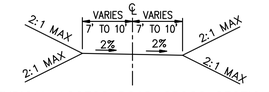
LENGTH OF ACCESS ROAD: 450 LF

ACCESS ROAD TO TOWER P-94 PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-94
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 1+50 TO 6+00

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REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-94

DRAWN BY: AB	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P94-R1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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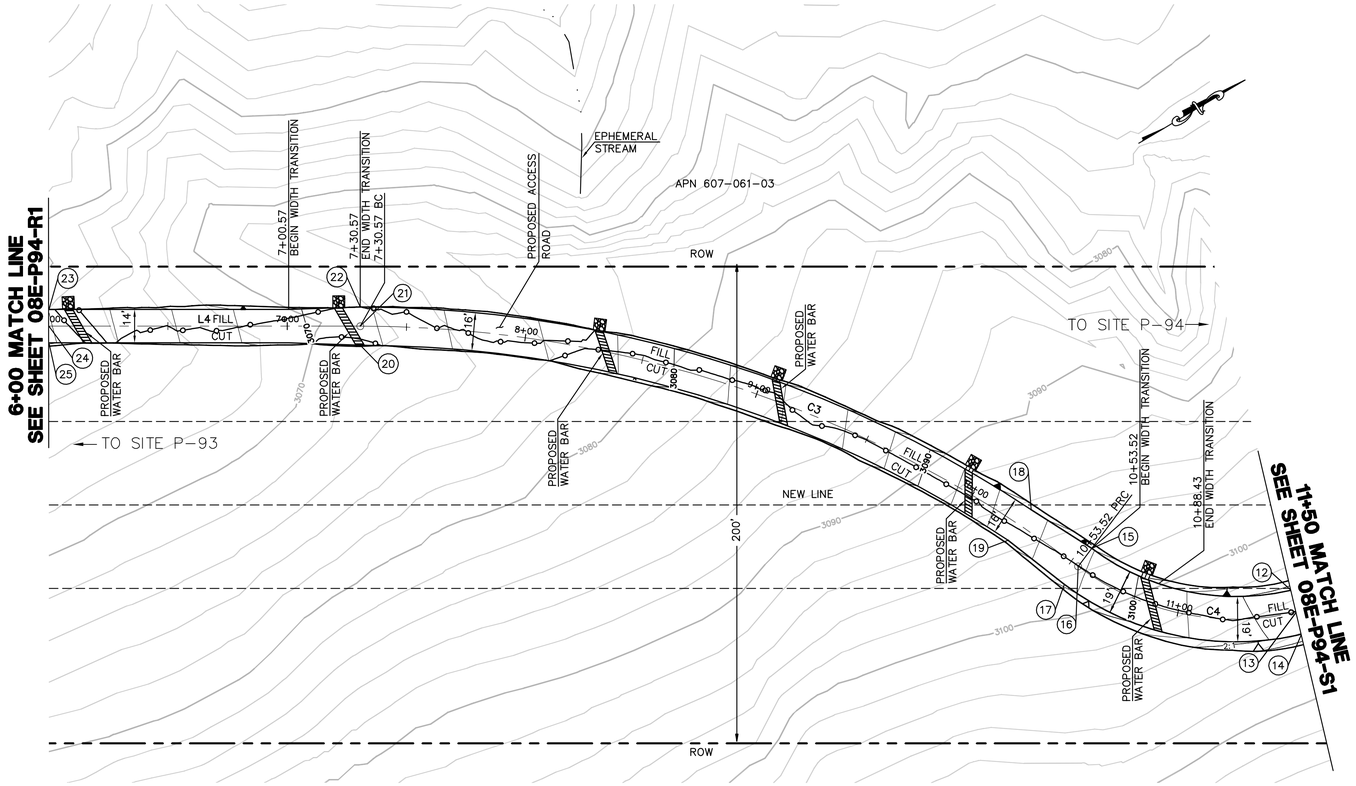

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C3	500.00	322.95	37°00'25"
C4	110.00	96.48	50°15'13"
L4		130.57	N25°05'27"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
12	1820957.70	6491627.71	3104.88	FG
13	1820955.75	6491637.01	3104.69	CL
14	1820953.80	6491646.31	3104.51	FG
15	1820889.51	6491576.38	3097.86	PRC
16	1820881.12	6491580.83	3097.67	CL/PRC
17	1820872.72	6491585.27	3097.48	PRC
18	1820873.37	6491550.99	3095.31	FG
19	1820859.20	6491558.49	3094.90	FG
20	1820647.88	6491369.24	3071.35	BC
21	1820651.27	6491361.99	3071.51	CL/BC
22	1820654.66	6491354.75	3071.67	BC
23	1820535.99	6491300.28	3062.02	FG
24	1820533.02	6491306.62	3061.88	CL
25	1820530.05	6491312.96	3061.74	FG

EARTH QUANTITIES:
CUT: 69 CY.
FILL: 62 CY.
NET: 7 CY.

DISTURBED AREA:
ROAD: 10390 SF
TOTAL: 10390 SF

QUANTITIES:
DOWN DRAIN: 4 LF
RIP RAP: 150 SF

LENGTH OF ACCESS ROAD: 550 LF

ACCESS ROAD TO TOWER P-94 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
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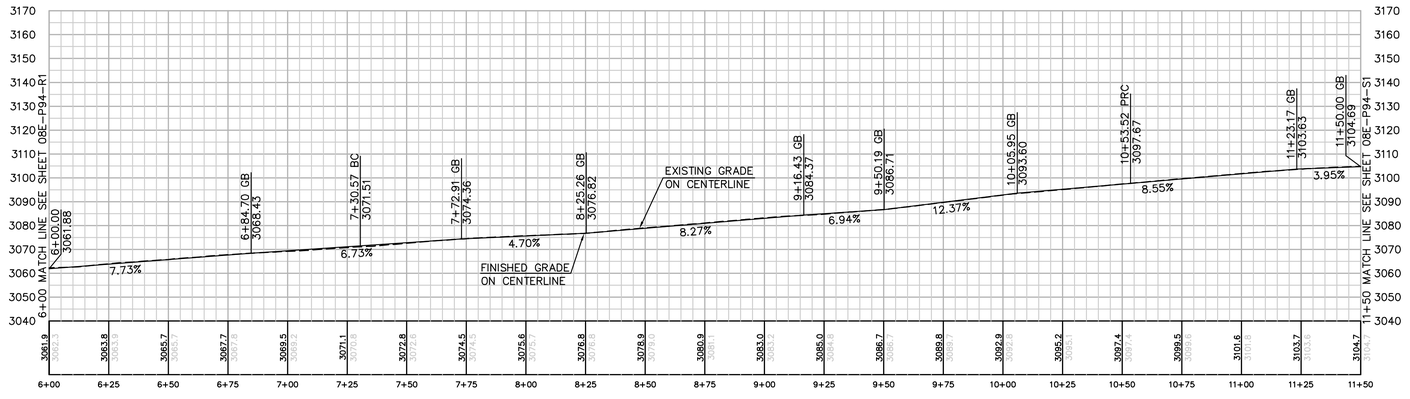
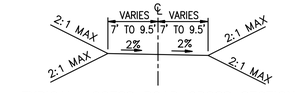
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-94

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 6+00 TO 11+50

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STATE OF CALIFORNIA

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-94

DRAWN BY: AB	DATE:	SCALE: 1" = 30'	W.O.	REV. 0
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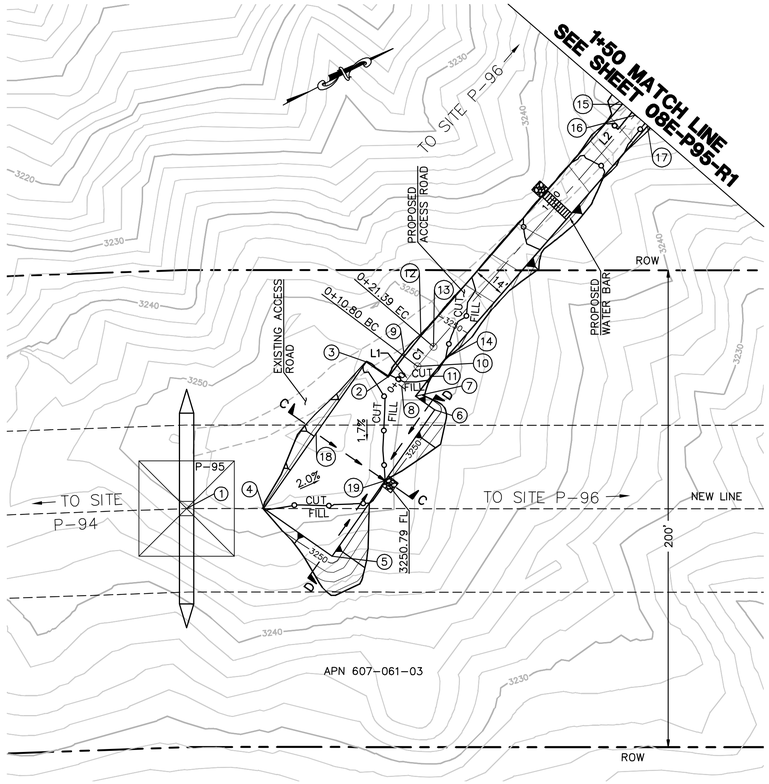
CAD NO.:	PLOT SCALE: 1 = 1			

08E-P94-R2



TOWER P-95 PLAN

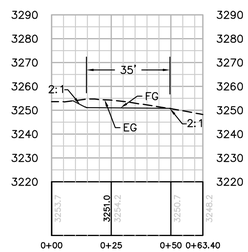
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-95	500 KV EXLA Lattice Angle Tower	2.03	100.50

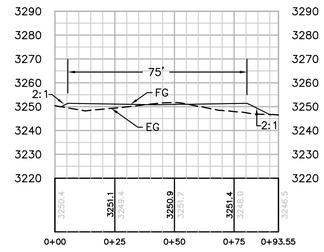
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1822153.79	6492148.35	(3250.44)	P-95
2	1822254.33	6492137.60	3251.48	FG
3	1822248.82	6492127.88	3251.76	FG
4	1822182.53	6492162.97	3251.78	FG
5	1822198.91	6492193.90	3251.43	FG
6	1822265.19	6492158.81	3251.41	FG
7	1822260.59	6492150.12	3251.50	FG
8	1822257.31	6492143.93	3251.57	CL/FG
9	1822264.09	6492132.99	3251.40	BC
10	1822267.08	6492139.32	3251.54	CL/BC
11	1822270.07	6492145.65	3251.68	BC
12	1822274.17	6492128.58	3250.96	EC
13	1822276.78	6492135.08	3251.10	CL/EC
14	1822279.39	6492141.57	3251.24	EC
15	1822393.50	6492080.59	3249.15	FG
16	1822396.10	6492087.09	3249.29	CL/FG
17	1822398.71	6492093.58	3249.43	FG
18	1822216.42	6492145.03	3251.13	FG
19	1822233.11	6492175.80	3250.79	FL

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	180.00	10.59	3°22'18"
L1		10.80	N25°17'00"W
L2		174.18	N21°54'41"W



SECTION C-C

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



SECTION D-D

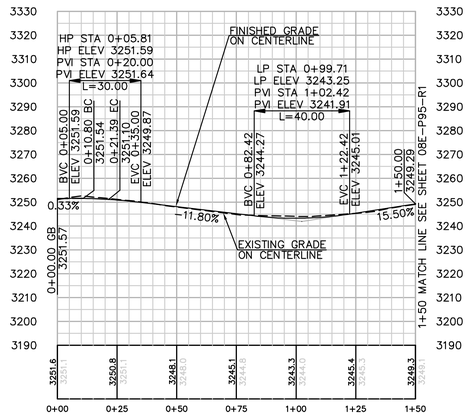
HORIZ. & VERT. SCALE: 1" = 30'

EARTH QUANTITIES:
CUT: 124 CY.
FILL: 112 CY.
NET: 12 CY.

DISTURBED AREA:
PAD: 3,698 SF
ROAD: 2,434 SF
TOTAL: 6,132 SF

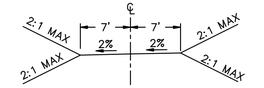
LENGTH OF ACCESS ROAD: 150 LF

QUANTITIES:
RIP RAP: 50 SF



PROFILE: ACCESS ROAD TO TOWER P-95

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 1+50

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CIVIL
STATE OF CALIFORNIA

REVISIONS

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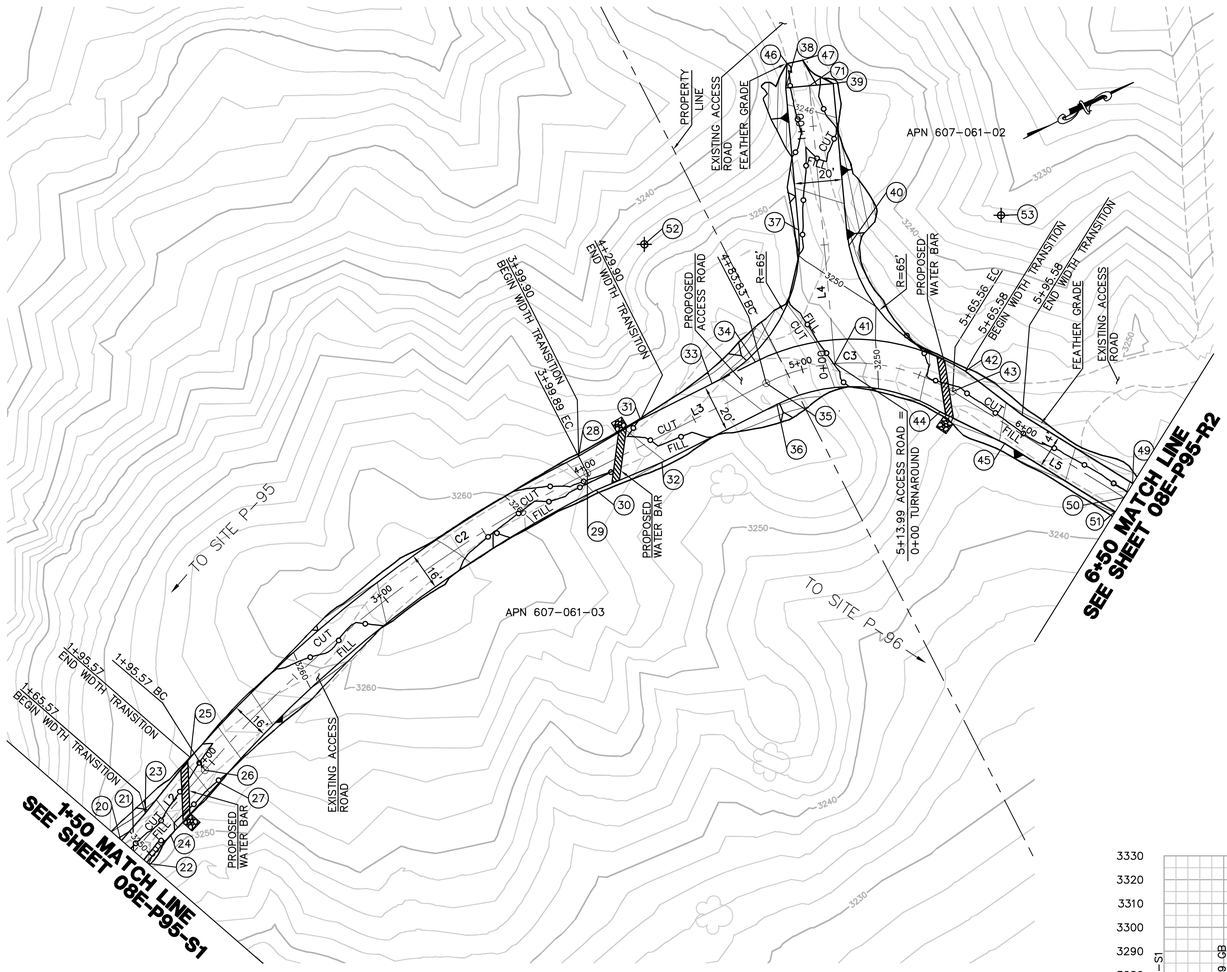
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

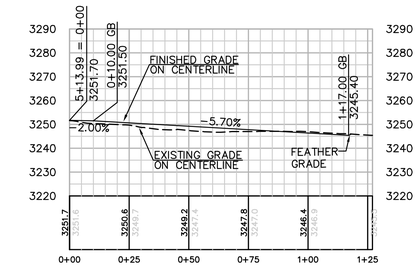
SPL-8E (LINK 2)
SITE P-95

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P95-S1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

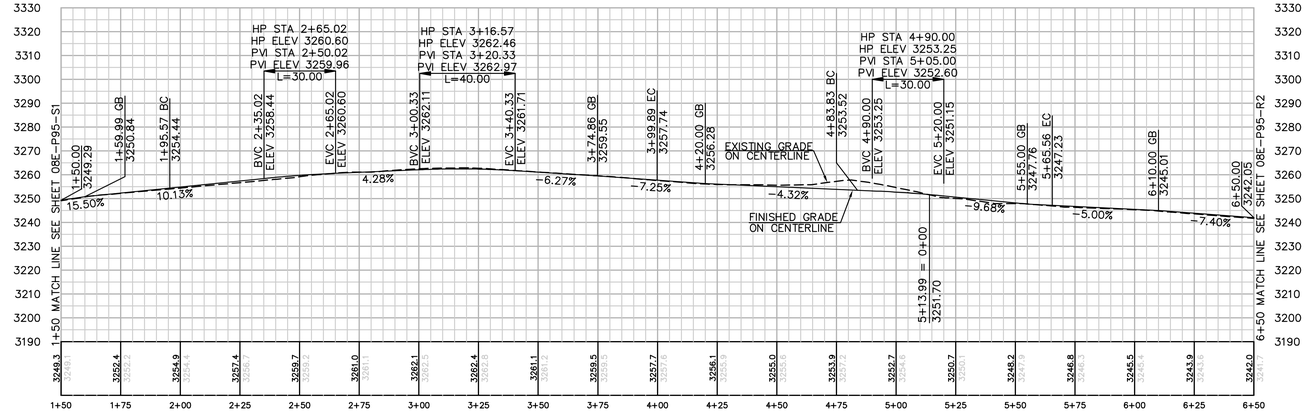


NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
20	1822393.50	6492080.59	3249.15	FG
21	1822396.10	6492087.09	3249.29	CL/FG
22	1822398.71	6492093.58	3249.43	CL/FG
23	1822407.93	6492074.78	3251.26	FG
24	1822413.16	6492087.77	3251.54	FG
25	1822435.40	6492062.66	3254.28	BC
26	1822438.38	6492070.08	3254.44	CL/BC
27	1822441.37	6492077.51	3254.60	BC
28	1822637.91	6492024.18	3257.58	EC
29	1822637.85	6492032.16	3257.74	CL/EC
30	1822637.80	6492040.18	3257.90	EC
31	1822667.92	6492022.39	3255.67	FG
32	1822667.78	6492042.39	3256.07	FG
33	1822701.44	6492022.62	3254.20	BC
34	1822721.85	6492022.76	3253.32	BC
35	1822721.78	6492032.73	3253.52	CL/BC
36	1822721.72	6492042.76	3253.72	BC
37	1822763.18	6491981.77	3249.00	EC
38	1822785.43	6491926.25	3245.60	FG
39	1822804.00	6491933.69	3245.20	FG
40	1822778.93	6491997.23	3248.92	BC
41	1822751.18	6492038.57	3251.70	CL/FG/INT
42	1822798.32	6492066.30	3247.03	EC
43	1822789.76	6492071.43	3247.23	CL/EC
44	1822781.19	6492076.62	3247.43	EC
45	1822799.25	6492100.77	3245.87	FG
46	1822790.55	6491917.37	(3245.33)	EG
47	1822797.08	6491919.17	(3245.63)	EG
49	1822839.33	6492140.15	3241.91	FG
50	1822833.35	6492143.75	3242.05	CL/FG
51	1822827.34	6492147.38	3242.19	FG
52	1822702.83	6491957.63		RP
53	1822841.46	6492014.92		RP
71	1822794.72	6491929.97	3245.40	CL/FG

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C2	525.00	204.32	22°17'57"
C3	80.00	81.73	58°31'54"
L2		45.57	N21°54'41"W
L3		83.94	N0°23'16"E
L4		117.00	N68°09'20"W
L5		84.44	N58°55'09"E



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



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

EARTH QUANTITIES:
CUT: 210 CY.
FILL: 191 CY.
NET: 19 CY.

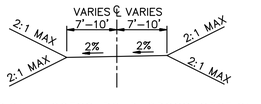
DISTURBED AREA:
ROAD: 13,000 SF
TOTAL: 13,000 SF

LENGTH OF ACCESS ROAD: 627 LF

QUANTITIES:
RIP RAP: 75 SF
DOWN DRAIN: 4 LF

ACCESS ROAD TO TOWER P-95 PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



TYPICAL ACCESS ROAD CROSS SECTION
1+50 TO 6+50
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
NO. 29708
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

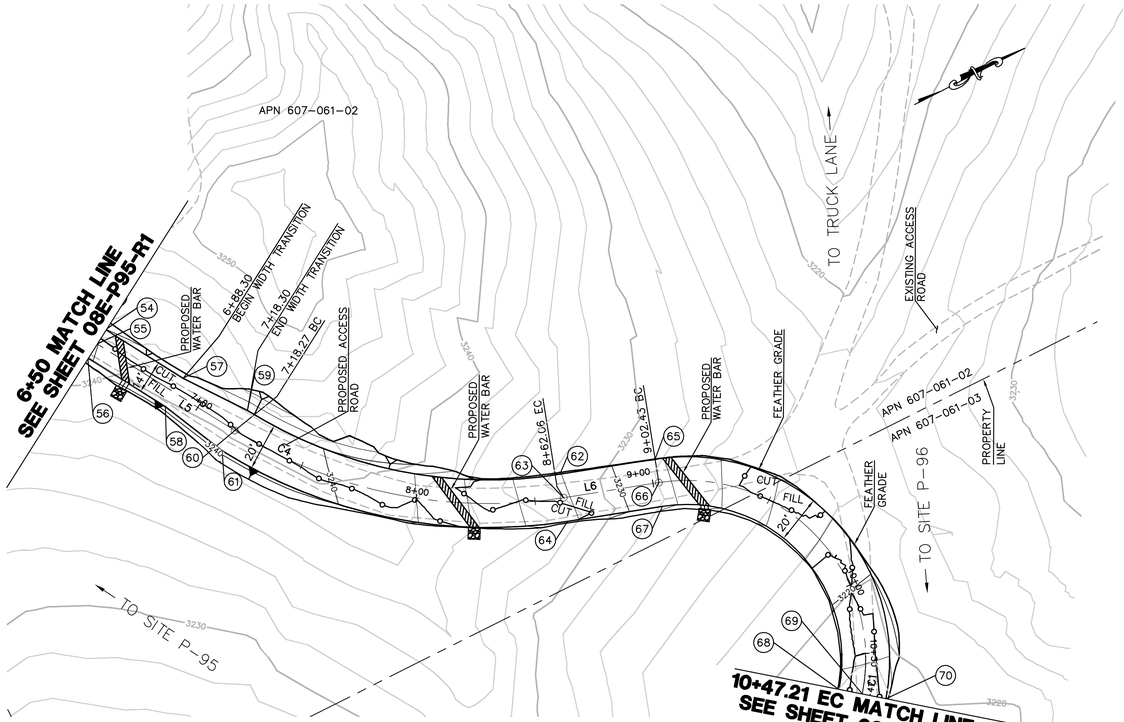
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-95

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P95-R1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



ACCESS ROAD TO TOWER P-95 PLAN
SCALE: 1" = 30'

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C4	200.00	143.79	41°11'29"
C5	75.00	127.57	97°27'16"
L5		68.27	N58°55'09"E
L6		40.37	N17°43'40"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
54	1822839.33	6492140.15	3241.91	FG
55	1822833.35	6492143.75	3242.05	CL/FG
56	1822827.34	6492147.38	3242.19	FG
57	1822859.10	6492172.95	3240.43	FG
58	1822847.11	6492180.18	3240.71	FG
59	1822877.15	6492197.10	3240.27	BC
60	1822868.60	6492202.22	3240.47	CL/BC
61	1822860.02	6492207.42	3240.67	BC
62	1822982.02	6492280.00	3232.05	EC
63	1822978.97	6492289.52	3232.25	CL/EC
64	1822975.92	6492299.05	3232.45	EC
65	1823020.47	6492292.29	3228.29	BC
66	1823017.43	6492301.82	3228.49	CL/BC
67	1823014.38	6492311.34	3228.69	BC
68	1823045.82	6492413.25	3217.37	FG
69	1823053.70	6492419.41	3217.17	CL/FG
70	1823061.58	6492425.56	3216.97	FG

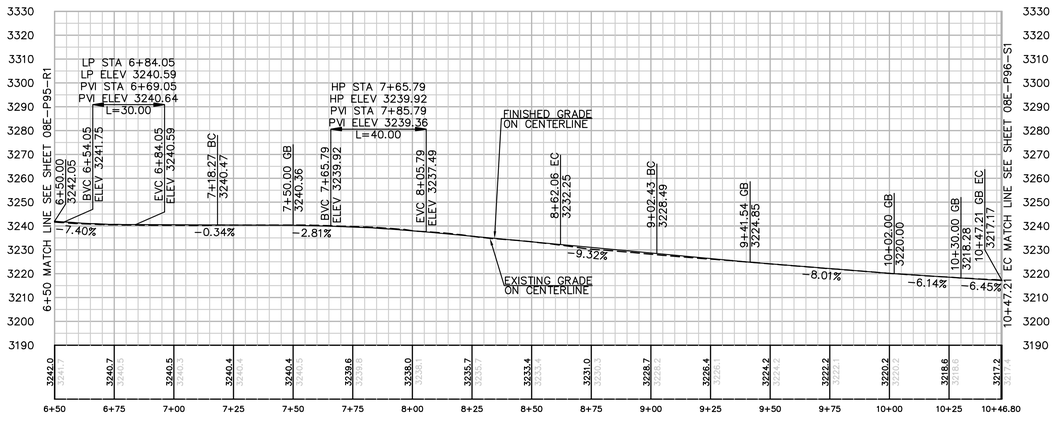
EARTH QUANTITIES:
CUT: 80 CY.
FILL: 72 CY.
NET: 8 CY.

DISTURBED AREA:
ROAD: 9,253 SF
TOTAL: 9,253 SF

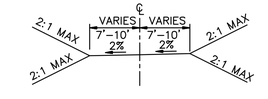
QUANTITIES:
RIP RAP: 75 SF
DOWN DRAIN: 7 LF

LENGTH OF ACCESS ROAD: 397 LF

GRAPHIC SCALE
30 0 30 60
1"=30'



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



TYPICAL ACCESS ROAD CROSS SECTION
STA 6+50.00 TO 10+30.00

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-95

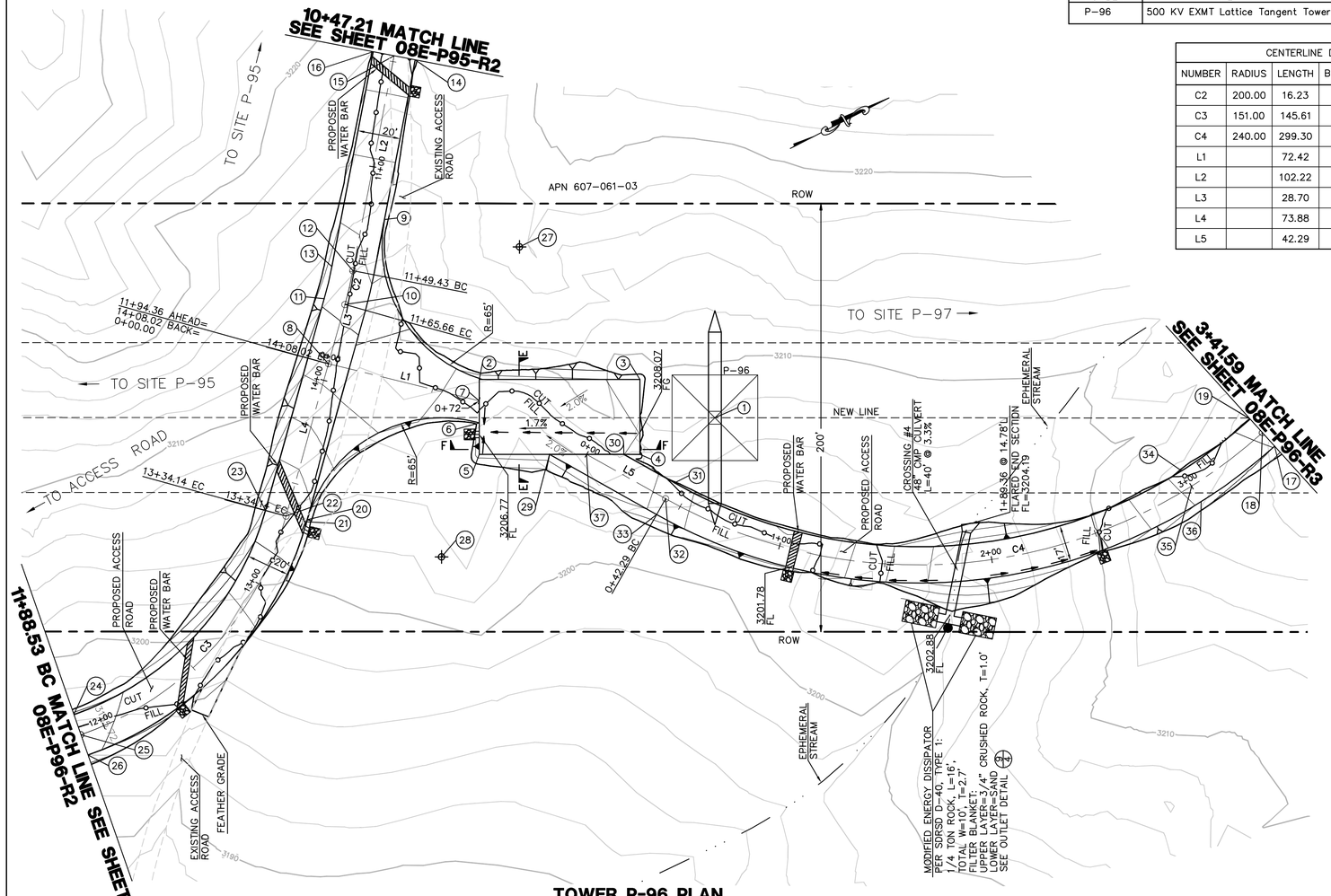
DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P95-R2
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P–96	500 KV EXMT Lattice Tangent Tower	0.00	166.50

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C2	200.00	16.23	4°39'03"
C3	151.00	145.61	55°15'05"
C4	240.00	299.30	71°27'07"
L1		72.42	N40°54'35"E
L2		102.22	S52°01'21"E
L3		28.70	S47°22'18"E
L4		73.88	N47°22'18"W
L5		42.29	N56°30'04"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1823109.94	6492638.10	(3207.23)	P–96
2	1823020.19	6492572.02	3207.12	EC
3	1823086.95	6492606.19	3208.27	FG
4	1823071.01	6492637.35	3208.12	FG
5	1823004.24	6492603.18	3206.87	FG
6	1823010.93	6492590.11	3206.81	BC
7	1823015.63	6492580.93	3206.86	CL/FG
8	1822960.87	6492533.47	3208.99	CL/INT
9	1823014.86	6492485.42	3213.31	BC
10	1822980.30	6492512.36	3210.39	CL/EC
11	1822972.94	6492505.59	3210.19	EC
12	1822990.80	6492499.98	3211.18	CL/BC
13	1822982.92	6492493.83	3210.98	BC
14	1823061.58	6492425.56	3216.97	EC
15	1823053.70	6492419.41	3217.17	CL/EC
16	1823045.82	6492413.25	3217.37	EC
17	1823336.48	6492768.93	3216.04	FG
18	1823334.29	6492760.71	3216.21	CL/FG
19	1823332.10	6492752.50	3216.38	FG
20	1822918.93	6492593.80	3203.56	BC

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
21	1822918.19	6492594.60	3201.99	EC
22	1822910.83	6492587.83	3201.79	CL/EC
23	1822903.48	6492581.06	3201.59	EC
24	1822780.40	6492625.23	3195.47	BC
25	1822779.03	6492635.14	3195.67	CL/BC
26	1822777.66	6492645.05	3195.87	BC
27	1823065.12	6492525.49		RP
28	1822966.76	6492637.82		RP
29	1823033.48	6492618.14	(3207.42)	FG
30	1823064.31	6492633.92	(3207.99)	FG
31	1823079.33	6492656.61	3205.04	BC
32	1823072.24	6492661.30	3205.29	CL/BC
33	1823065.15	6492665.99	3205.38	BC
34	1823292.64	6492759.45	3214.56	FG
35	1823293.51	6492767.93	3214.40	CL/FG
36	1823294.13	6492776.38	3214.22	FG
37	1823048.90	6492626.03	3207.71	CL



TOWER P–96 PLAN

SCALE: 1" = 30'

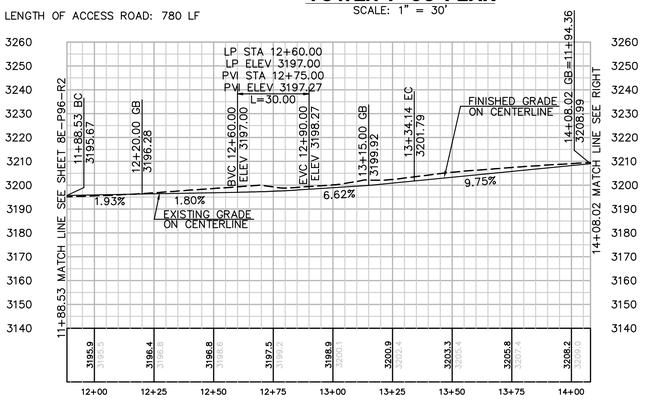
EARTH QUANTITIES:
CUT: 599 CY.
FILL: 538 CY.
NET: 61 CY.

DISTURBED AREA:
PAD: 3,499 SF
ROAD: 20,679 SF
TOTAL: 24,178 SF

QUANTITIES:
DOWN DRAIN: 10 LF
RIP RAP: 150 SF
ENERGY DISSIPATER: 320 SF
48" CMP CULVERT: 40 LF
FLARED END SECTION: 1 EA
TEE OUTLET STRUCTURE: 1 EA

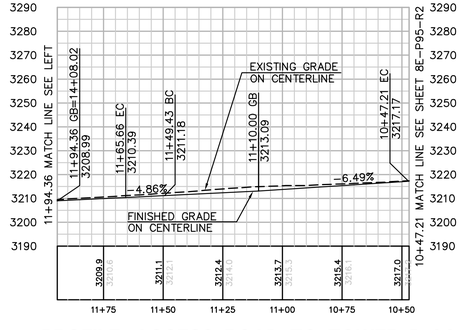
GRAPHIC SCALE
30 0 30 60
1"=30'

LENGTH OF ACCESS ROAD: 780 LF



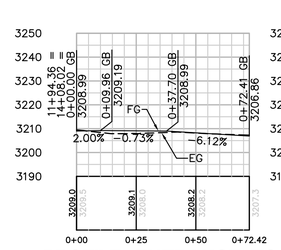
PROFILE: ACCESS ROAD TO TOWER P–96

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

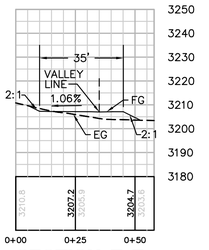


PROFILE: ACCESS ROAD TO TOWER P–96

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

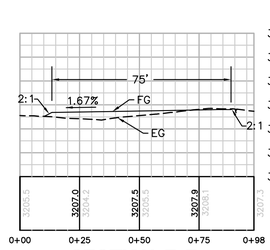


PROFILE: ENTRANCE TO TOWER P–96



SECTION E–E

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

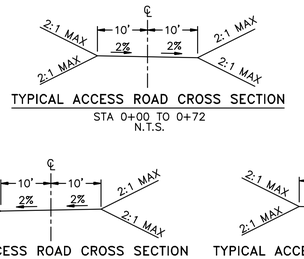


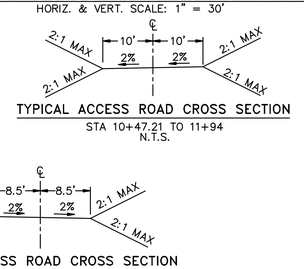
SECTION F–F

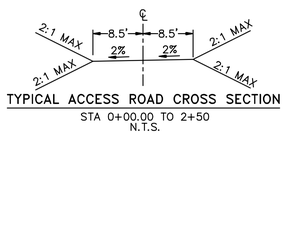
HORIZ. & VERT. SCALE: 1" = 30'

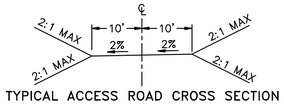
PROFILE: ACCESS ROAD TO TOWER P–97

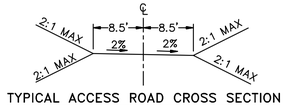
HORIZ. & VERT. SCALE: 1" = 30'











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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29708
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL–8E (LINK 2)
SITE P–96

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E–P96–S1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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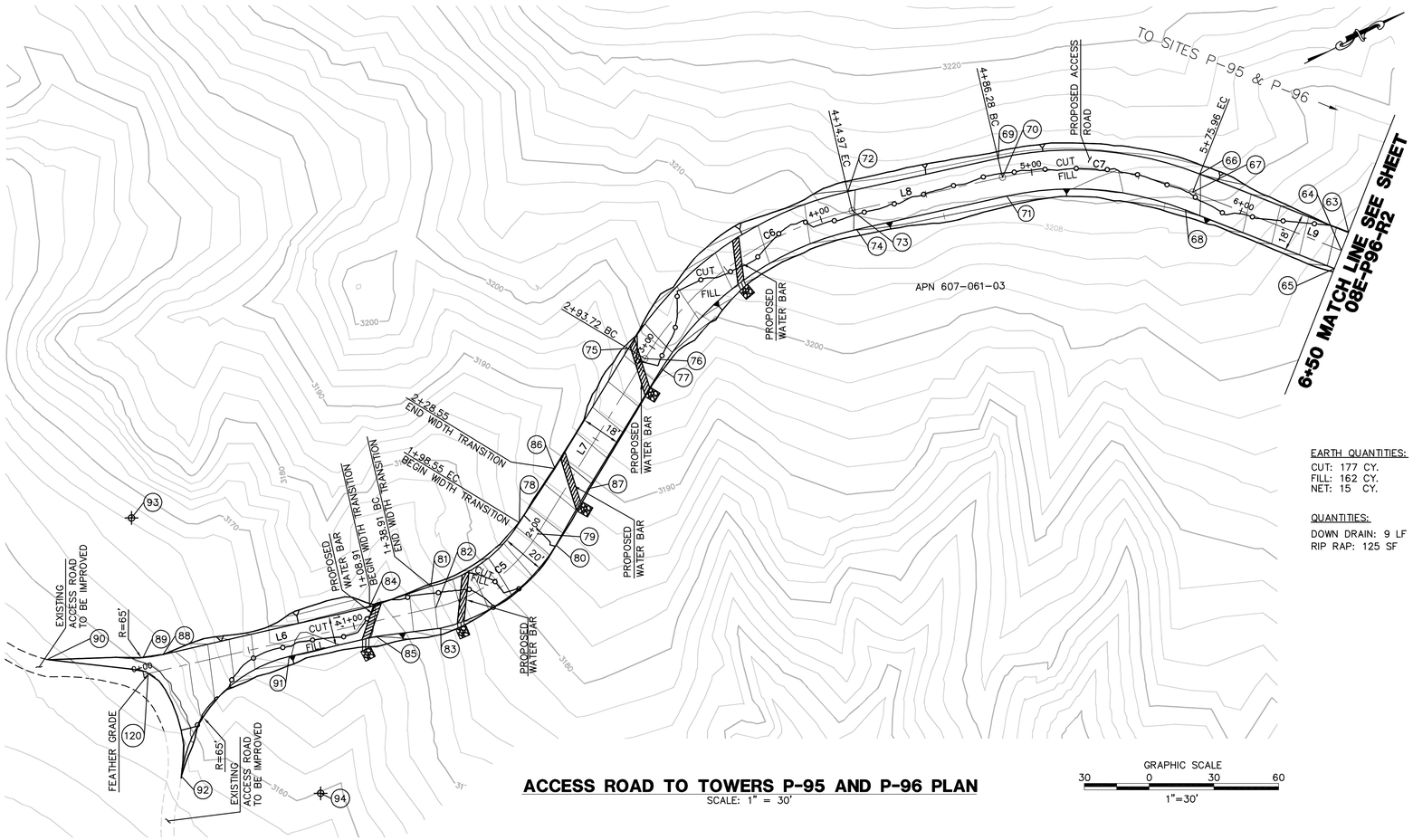

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C5	75.00	59.64	45°33'48"
C6	151.00	121.25	46°00'30"
C7	151.00	89.68	34°01'47"
L6		138.91	N14°06'52"E
L7		95.17	N31°26'56"W
L8		71.30	N14°33'33"E
L9		74.04'	N48°35'21"E

EARTH QUANTITIES:
CUT: 177 CY.
FILL: 162 CY.
NET: 15 CY.

DISTURBED AREA:
ROAD: 15,367 SF
TOTAL: 15,367 SF

LENGTH OF ACCESS ROAD: 650 LF

QUANTITIES:
DOWN DRAIN: 9 LF
RIP RAP: 125 SF

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
63	1822286.40	6492465.76	3201.13	FG
64	1822279.65	6492471.71	3201.31	CL/FG
65	1822272.90	6492477.67	3201.49	FG
66	1822237.43	6492410.23	3210.02	EC
67	1822230.68	6492416.19	3210.20	CL/EC
68	1822223.93	6492422.14	3210.38	EC
69	1822157.65	6492361.20	3211.32	BC
70	1822155.39	6492369.91	3211.50	CL/BC
71	1822153.13	6492378.62	3211.68	BC
72	1822088.64	6492343.28	3209.75	EC
73	1822086.38	6492351.99	3209.93	CL/EC
74	1822084.11	6492360.70	3210.11	EC
75	1821964.94	6492361.64	3198.49	BC
76	1821969.64	6492369.32	3198.67	CL/BC
77	1821974.33	6492377.00	3198.85	BC
78	1821883.23	6492410.45	3184.47	EC
79	1821888.44	6492418.98	3184.67	CL/EC
80	1821893.66	6492427.51	3184.87	EC
81	1821833.46	6492418.03	3173.85	BC
82	1821831.02	6492427.73	3174.05	CL/BC
83	1821828.59	6492437.43	3174.25	BC
84	1821803.64	6492413.63	3169.83	FG
85	1821800.22	6492427.20	3170.11	FG
86	1821909.34	6492395.65	3189.24	FG
87	1821918.73	6492411.00	3189.60	FG
88	1821708.54	6492389.71	3161.26	BC
89	1821699.59	6492386.76	3160.36	EC
90	1821659.52	6492367.28	(3157.26)	EG
91	1821760.09	6492417.11	3169.93	EC
92	1821690.39	6492443.75	(3156.92)	EC
93	1821724.39	6492326.68		RP
94	1821744.24	6492480.15		RP
120	1821698.43	6492394.39	(3159.37)	CL/EG

ACCESS ROAD TO TOWERS P-95 AND P-96 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
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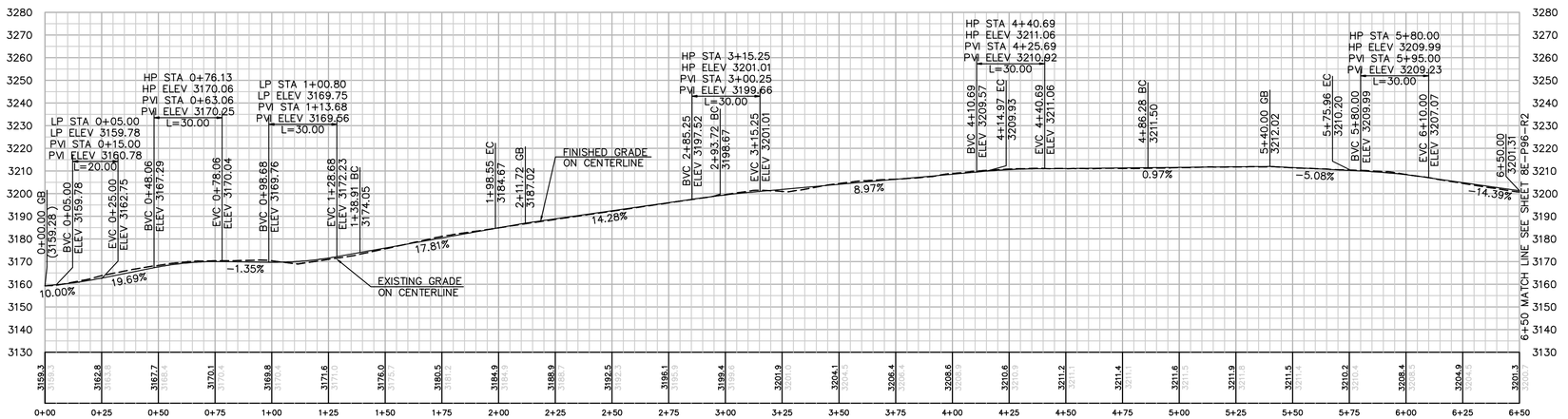
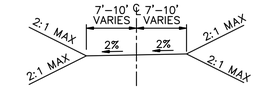
1"=30'



PROFILE: ACCESS ROAD TO TOWERS P-95 AND P-96

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 6+50

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REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH RCE 29708 Exp.3-31-11 CIVIL STATE OF CALIFORNIA

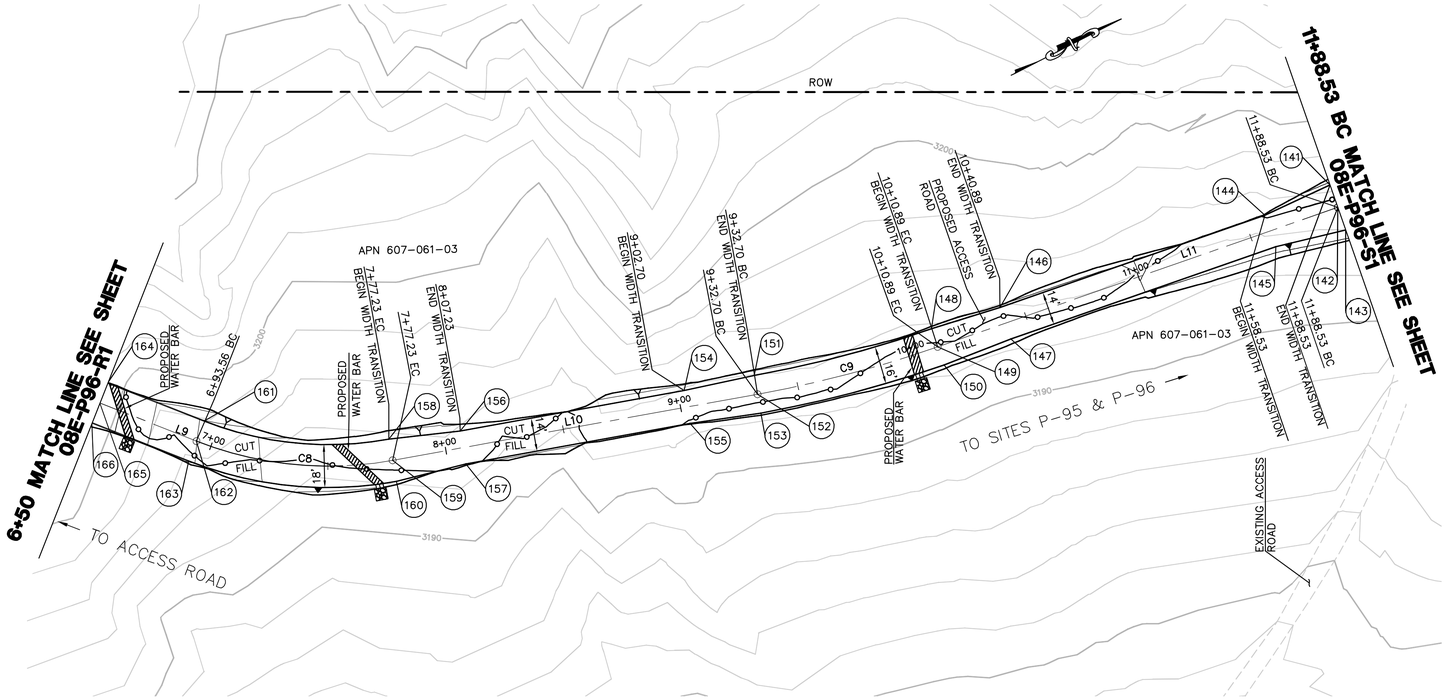
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITES P-95 AND P-96

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08E-P96-R1



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C8	151.00	83.67	31°44'58"
C9	500.00	78.19	8°57'35"
L9		43.56	N48°35'21"E
L10		155.47	N16°50'22"E
L11		177.64	N7°52'47"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
141	1822780.40	6492625.23	3195.47	BC
142	1822779.03	6492635.14	3195.67	CL/BC
143	1822777.66	6492645.05	3195.87	BC
144	1822750.28	6492624.09	3194.95	FG
145	1822748.36	6492637.96	3195.23	FG
146	1822633.75	6492607.97	3193.55	FG
147	1822631.83	6492621.83	3193.27	FG
148	1822604.17	6492602.86	3193.40	EC
149	1822603.07	6492610.79	3193.24	CL/EC
150	1822601.98	6492618.71	3193.08	EC
151	1822529.09	6492586.41	3193.02	BC
152	1822526.77	6492594.07	3192.86	CL/BC
153	1822524.46	6492601.72	3192.70	BC
154	1822500.09	6492578.68	3192.86	FG
155	1822496.03	6492592.08	3193.52	FG
156	1822408.71	6492551.02	3192.62	FG
157	1822404.66	6492564.42	3192.34	FG
158	1822380.58	6492540.41	3192.29	EC
159	1822377.97	6492549.03	3192.47	CL/EC
160	1822375.36	6492557.64	3192.65	EC
161	1822315.22	6492498.43	3195.84	BC
162	1822308.47	6492504.38	3196.02	CL/BC
163	1822301.72	6492510.34	3196.20	BC
164	1822286.40	6492465.76	3201.13	FG
165	1822279.65	6492471.71	3201.31	CL/FG
166	1822272.90	6492477.67	3201.49	FG

EARTH QUANTITIES:
CUT: 113 CY.
FILL: 91 CY.
NET: 22 CY.

DISTURBED AREA:
ROAD: 10407 SF
TOTAL: 10407 SF

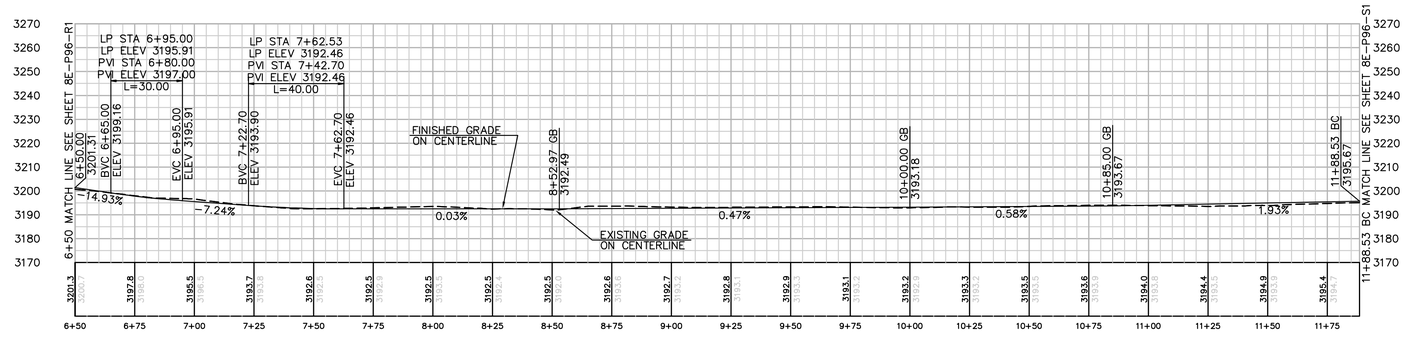
LENGTH OF ACCESS ROAD: 539 LF

QUANTITIES:
DOWN DRAIN: 7 LF
RIP RAP: 75 SF

ACCESS ROAD TO TOWERS P-95 AND P-96 PLAN

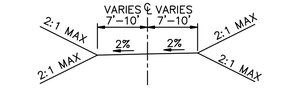
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

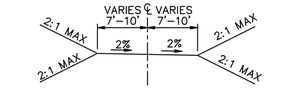


PROFILE: ACCESS ROAD TO TOWERS P-95 AND P-96

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 6+50 TO 8+00



TYPICAL ACCESS ROAD CROSS SECTION
STA 8+00 TO 11+88.53

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STEPHEN K. SMITH
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Exp. 3-31-11
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STATE OF CALIFORNIA

REVISIONS

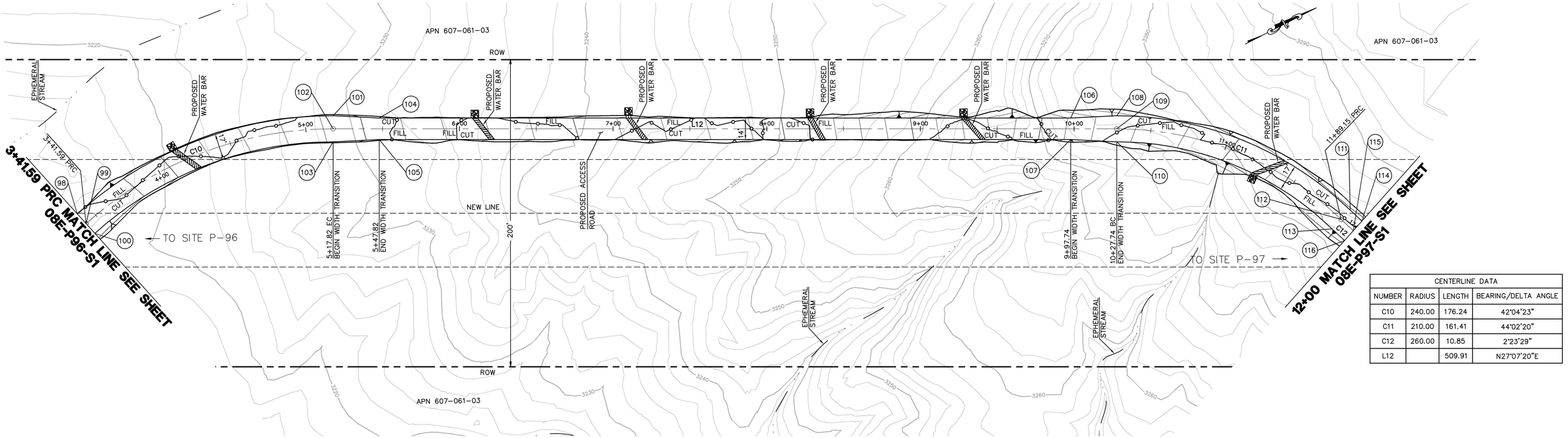
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITES P-95 AND P-96

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08E-P96-R2
CAD NO.:	PLOT SCALE: 1 = 1				

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P96-R2.dwg[May-25-2010]2:46



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C10	240.00	176.24	42°04'23"
C11	210.00	161.41	44°02'20"
C12	260.00	10.85	2°23'29"
L12		509.91	N27°07'20"E

EARTH QUANTITIES:
CUT: 167 CY.
FILL: 146 CY.
NET: 21 CY.

DISTURBED AREA:
ROAD: 15970 SF
TOTAL: 15970 SF

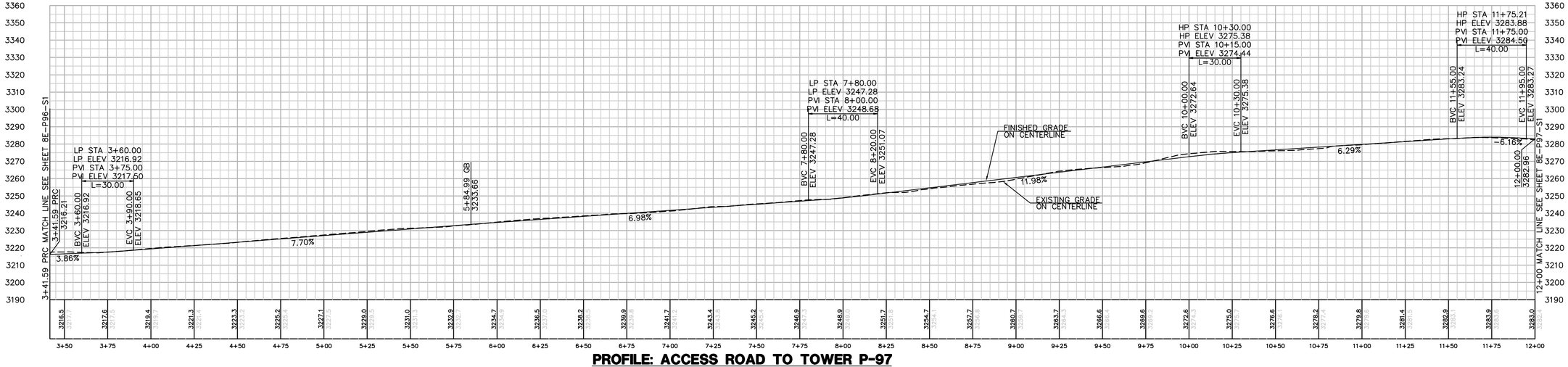
QUANTITIES:
DOWN DRAIN: 8 LF
RIP RAP: 150 SF

LENGTH OF ACCESS ROAD: 858 LF

ACCESS ROAD BETWEEN P-96 & P-97 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



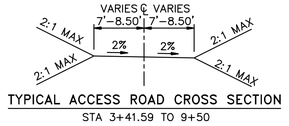
PROFILE: ACCESS ROAD TO TOWER P-97

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

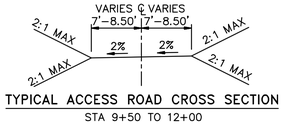
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
98	1823332.10	6492752.50	3216.38	PRC
99	1823334.29	6492760.71	3216.21	CL/PRC
100	1823336.48	6492768.93	3216.04	PRC
101	1823509.50	6492771.41	3228.66	EC
102	1823505.62	6492778.98	3228.49	CL/EC
103	1823501.75	6492786.55	3228.32	EC
104	1823535.51	6492786.43	3230.94	FG
105	1823529.13	6492798.89	3230.66	FG

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
106	1823935.95	6492991.54	3272.23	FG
107	1823929.57	6493004.00	3272.51	FG
108	1823963.34	6493003.88	3275.06	BC
109	1823959.46	6493011.44	3275.23	CL/BC
110	1823955.59	6493019.01	3275.40	BC
111	1824070.52	6493127.80	3283.41	PRC
112	1824062.48	6493130.54	3283.58	CL/PRC
113	1824054.43	6493133.29	3283.75	PRC

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
114	1824074.13	6493137.65	3282.80	FG
115	1824066.19	6493140.74	3282.96	CL/FG
116	1824058.27	6493143.81	3283.13	FG



TYPICAL ACCESS ROAD CROSS SECTION
STA 3+41.59 TO 9+50



TYPICAL ACCESS ROAD CROSS SECTION
STA 9+50 TO 12+00

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STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-96

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P96-R3
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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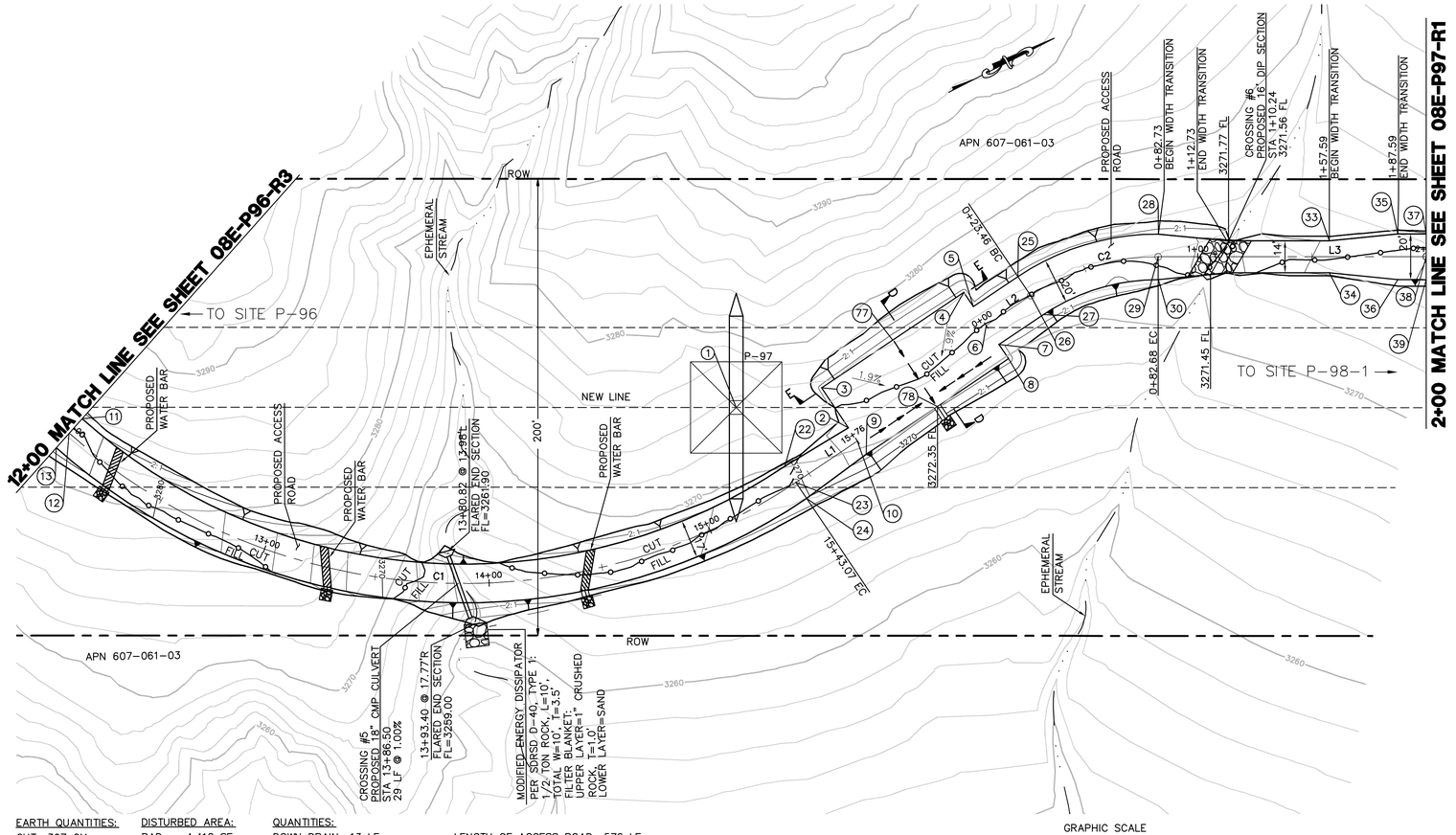


STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-97	500 KV EXMT Lattice Tangent Tower	0.0	166.5

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	260.00	353.92	77°59'33"
C2	100.00	59.22	33°55'48"
L1		32.45	N6°49'52"W
L2		23.46	N6°49'52"W
L3		117.32	N27°05'56"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1824331.16	6493263.63	(3273.60)	P-97
2	1824370.86	6493293.93	3273.05	FG
3	1824368.36	6493273.08	3273.40	FG
4	1824442.83	6493264.16	3273.35	FG
5	1824443.72	6493271.61	3273.24	FG
6	1824444.91	6493281.53	3273.10	CL/FG
7	1824446.10	6493291.46	3272.96	FG
8	1824447.00	6493298.91	3272.85	FG
9	1824372.53	6493307.83	3272.85	FG
10	1824371.70	6493300.88	3272.95	CL/FG
11	1824074.12	6493137.68	3282.79	FG
12	1824066.19	6493140.74	3282.96	CL/FG
13	1824058.26	6493143.80	3283.13	FG
22	1824338.46	6493296.30	3269.50	EC
23	1824339.47	6493304.74	3269.67	CL/EC
24	1824340.48	6493313.18	3269.84	EC
25	1824467.02	6493268.82	3273.16	BC
26	1824468.21	6493278.74	3273.39	CL/BC
27	1824469.40	6493288.67	3273.56	BC
28	1824530.21	6493280.22	3272.88	EC
29	1824525.66	6493289.01	3273.08	CL/EC
30	1824521.14	6493297.94	3273.28	EC
33	1824595.53	6493316.91	3274.15	FG
34	1824589.16	6493329.37	3274.43	FG
35	1824623.61	6493327.90	3275.32	FG
36	1824614.50	6493345.71	3275.64	FG
37	1824634.65	6493333.55	3275.77	FG
38	1824630.10	6493342.45	3275.97	CL/FG
39	1824625.54	6493351.36	3276.17	FG
77	1824405.60	6493268.62	3272.85	FG
78	1824409.76	6493303.37	3272.35	FL

EARTH QUANTITIES:
CUT: 367 CY.
FILL: 330 CY.
NET: 37 CY.

DISTURBED AREA:
PAD: 4,412 SF
ROAD: 13,695 SF
TOTAL: 18,107 SF

DIP SECTION EXPORT: 19 CY.

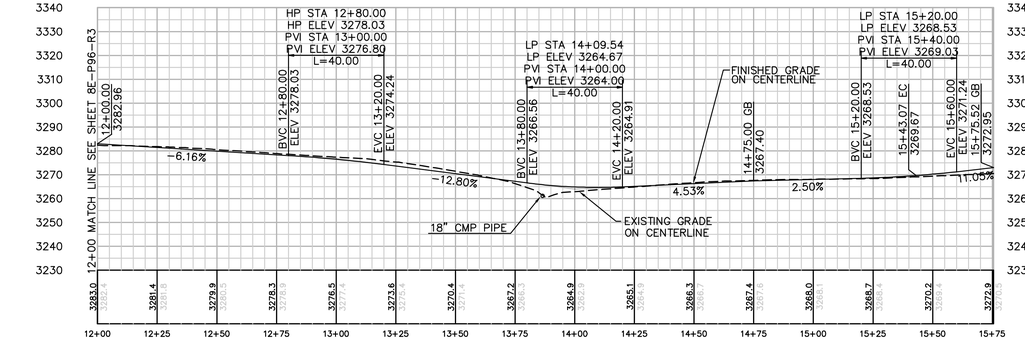
QUANTITIES:
DOWN DRAIN: 13 LF
RIP RAP: 100 SF
DIP SECTION: 280 SF
18" CMP CULVERT: 29 LF
FLARED END SECTION: 2
ENERGY DISSIPATOR: 100 SF

LENGTH OF ACCESS ROAD: 576 LF

TOWER P-97 PLAN

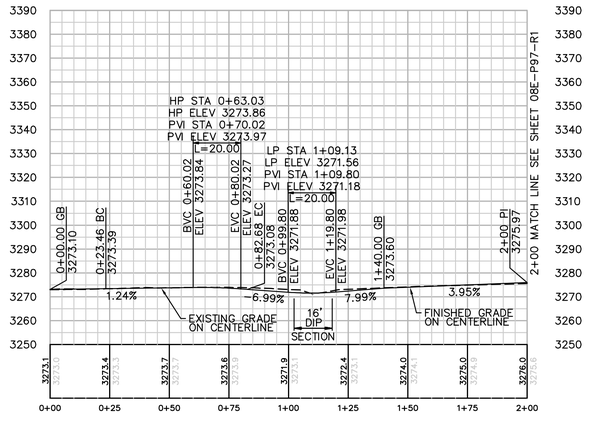
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



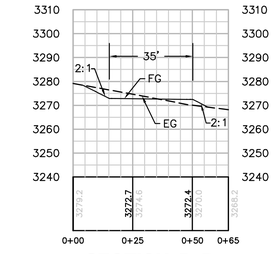
PROFILE: ACCESS ROAD TO TOWER P-97

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



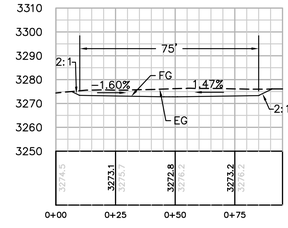
PROFILE: ACCESS ROAD TO TOWER P-98-1

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



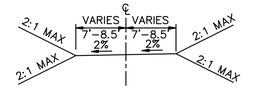
SECTION D-D

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

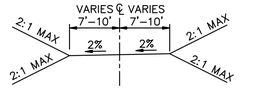


SECTION E-E

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 12+00 TO 15+75.52
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
P-98-1 ACCESS ROAD
STA 0+00 TO 2+00
N.T.S.

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REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-97

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08E-P97-S1

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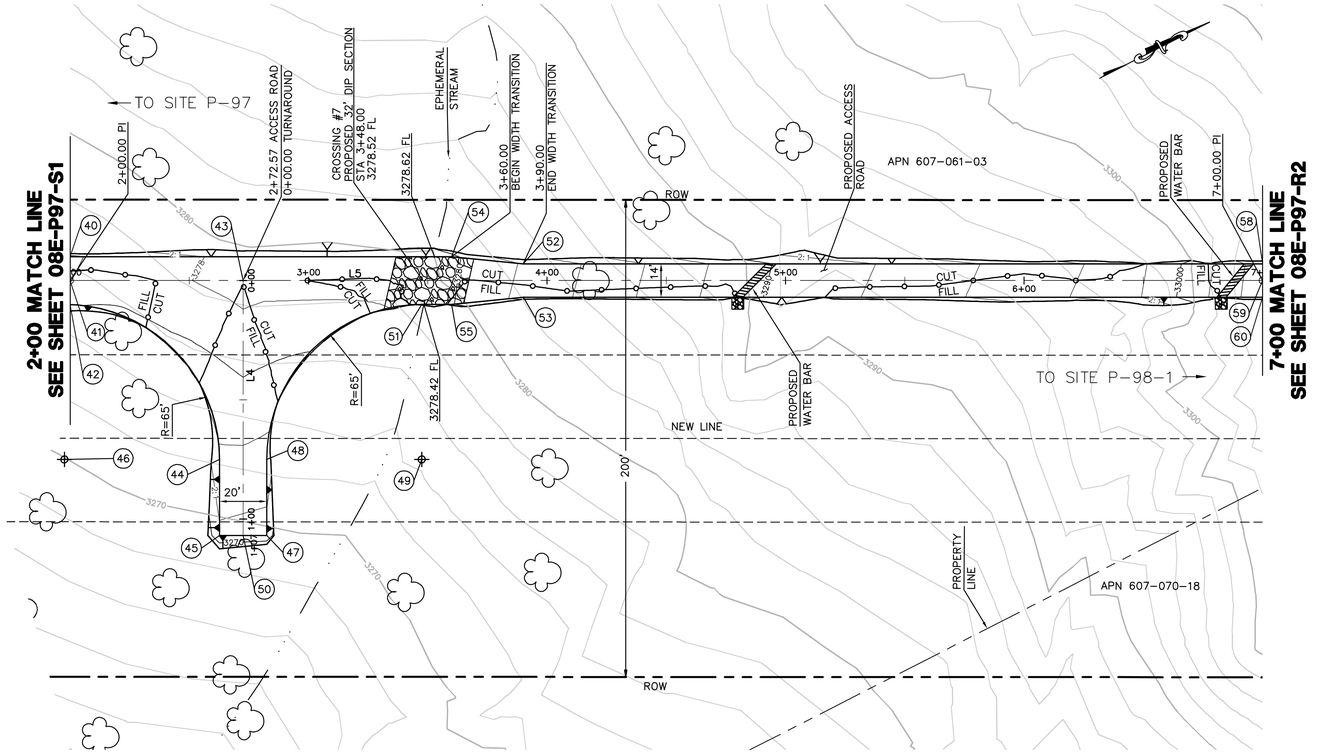


CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L4		106.90	S62°54'04"E
L5		500.00	N27°05'56"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
40	1824634.65	6493333.55	3275.77	FG
41	1824630.10	6493342.45	3275.97	CL/PI
42	1824625.54	6493351.36	3276.17	BC
43	1824694.70	6493375.51	3278.84	CL/INT
44	1824651.72	6493437.77	3273.79	EC
45	1824637.19	6493466.17	3271.55	FG
46	1824593.86	6493408.16		RP
47	1824654.82	6493475.19	3271.16	FG
48	1824669.35	6493446.79	3273.39	BC
49	1824727.21	6493476.40		RP
50	1824646.00	6493470.68	3271.36	CL
51	1824756.82	6493418.53	3278.72	EC
52	1824802.43	6493422.77	3282.17	FG
53	1824796.13	6493435.28	3282.46	FG
54	1824777.09	6493406.44	3279.42	FG
55	1824767.98	6493424.24	3279.82	FG
58	1825078.40	6493563.99	3305.08	FG
59	1825075.21	6493570.22	3305.22	CL/PI
60	1825072.02	6493576.45	3305.36	FG

EARTH QUANTITIES:
CUT: 135 CY.
FILL: 114 CY.
NET: 21 CY.
DIP SECTION EXPORT: 45 CY

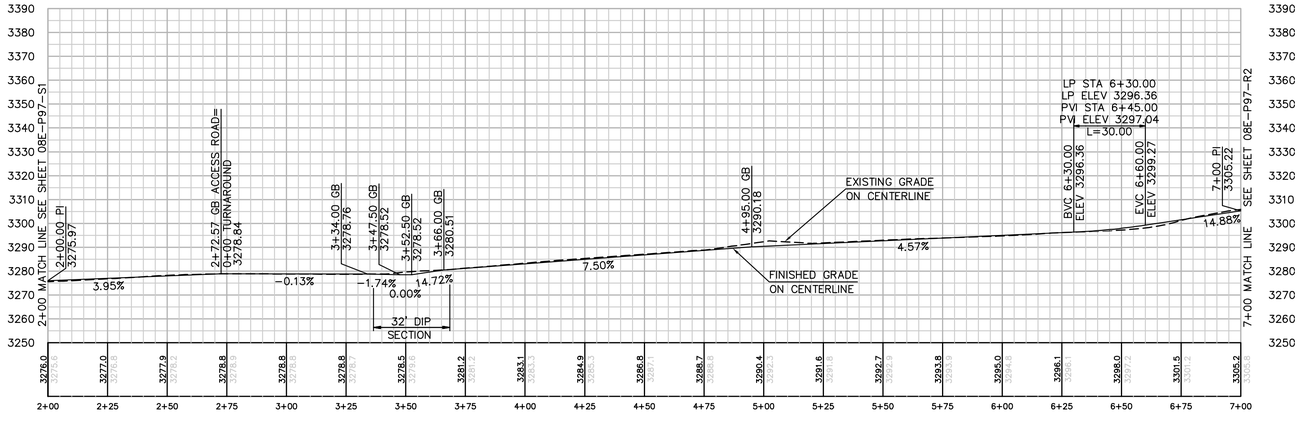
DISTURBED AREA:
ROAD: 13,728 SF
TOTAL: 13,728 SF

QUANTITIES:
DIP SECTION: 662 SF
RIP RAP: 50 SF
LENGTH OF ACCESS ROAD: 607 LF

ACCESS ROAD TO TOWER P-97 PLAN

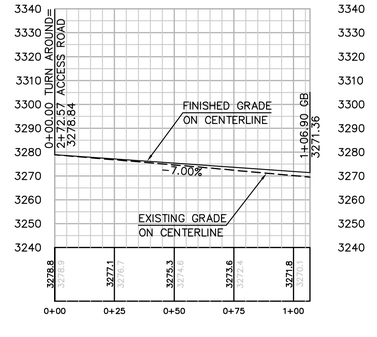
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



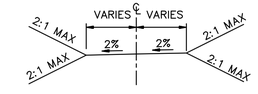
PROFILE: ACCESS ROAD TO TOWER P-97

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



PROFILE: TURN AROUND

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 2+00 TO 7+00
STA 0+00 TO 1+06.90
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

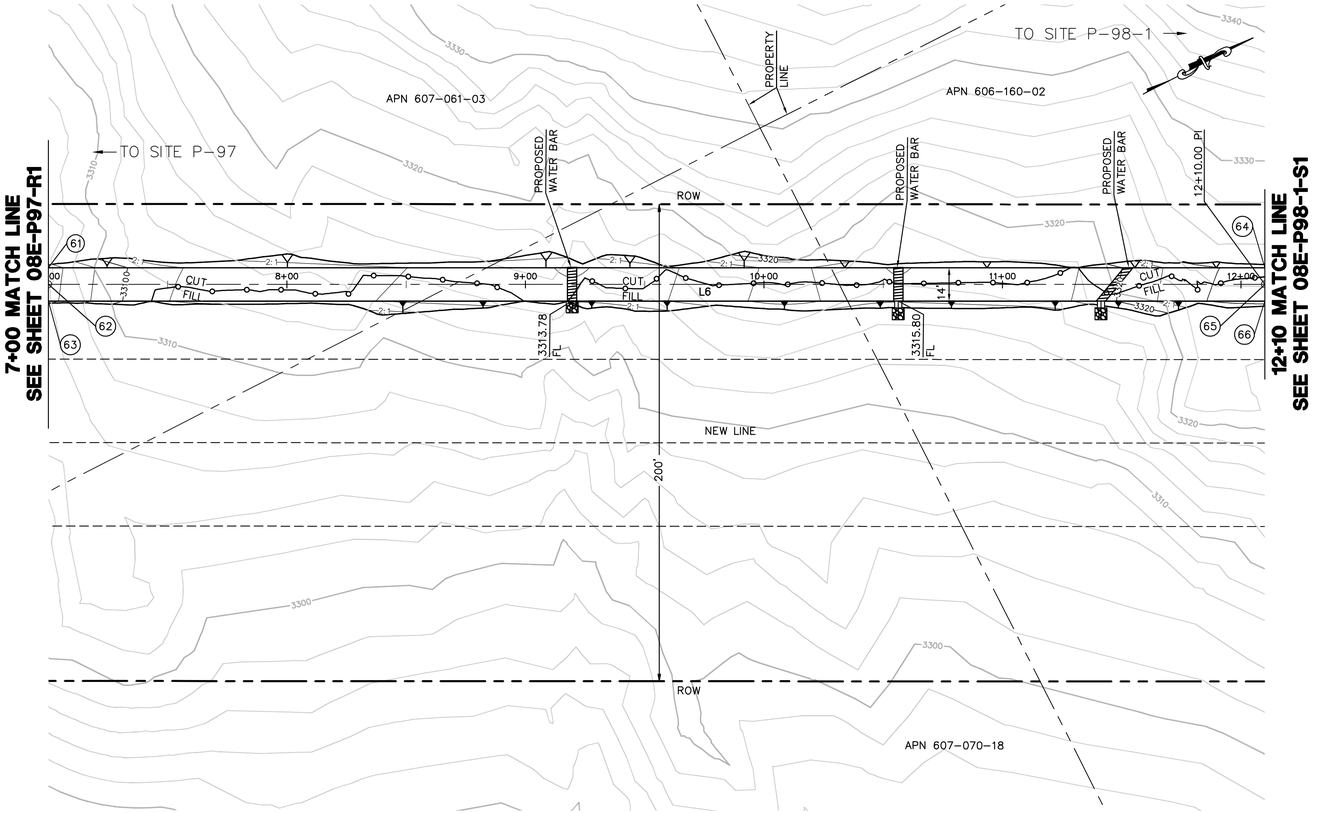
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-97

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				08E-P97-R1
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L6		510.00	N27°05'56"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
61	1825078.40	6493563.99	3305.08	FG
62	1825075.21	6493570.22	3305.22	CL/FG
63	1825072.02	6493576.45	3305.36	FG
64	1825532.41	6493796.30	3324.37	FG
65	1825529.22	6493802.53	3324.51	CL/PI
66	1825526.03	6493808.77	3324.65	FG

EARTH QUANTITIES:
CUT: 130 CY.
FILL: 99 CY.
NET: 31 CY.

DISTURBED AREA:
ROAD: 9,908 SF
TOTAL: 9,908 SF

QUANTITIES:
DOWN DRAIN: 6 LF
RIP RAP: 75 SF

LENGTH OF ACCESS ROAD: 510 LF

ACCESS ROAD TO TOWER P-97 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
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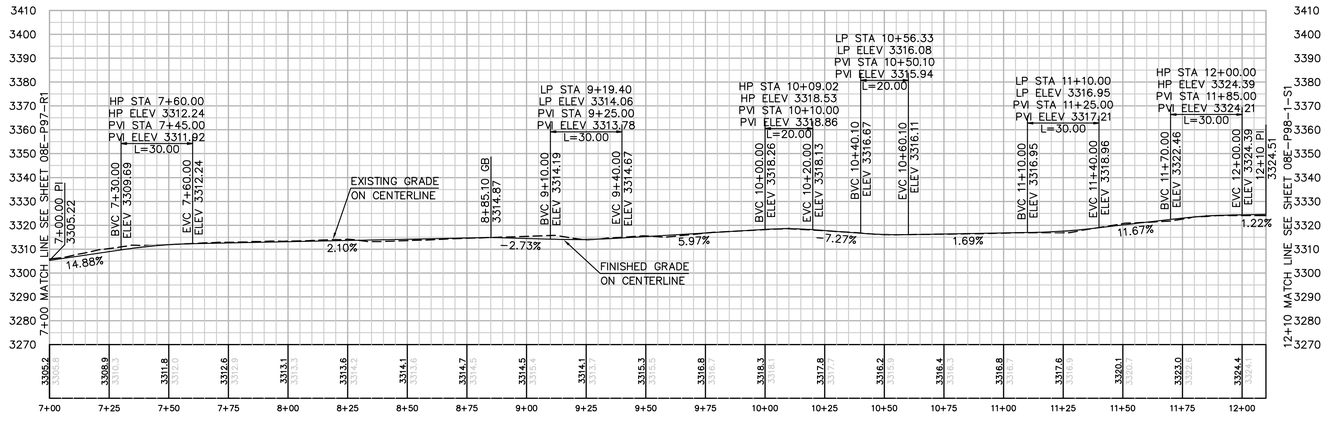
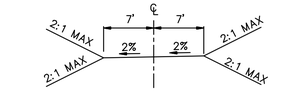
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-97

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 7+00 TO 12+10
N.T.S.

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P97-R2.dwg[TMay-25-2010]2:59

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STATE OF CALIFORNIA

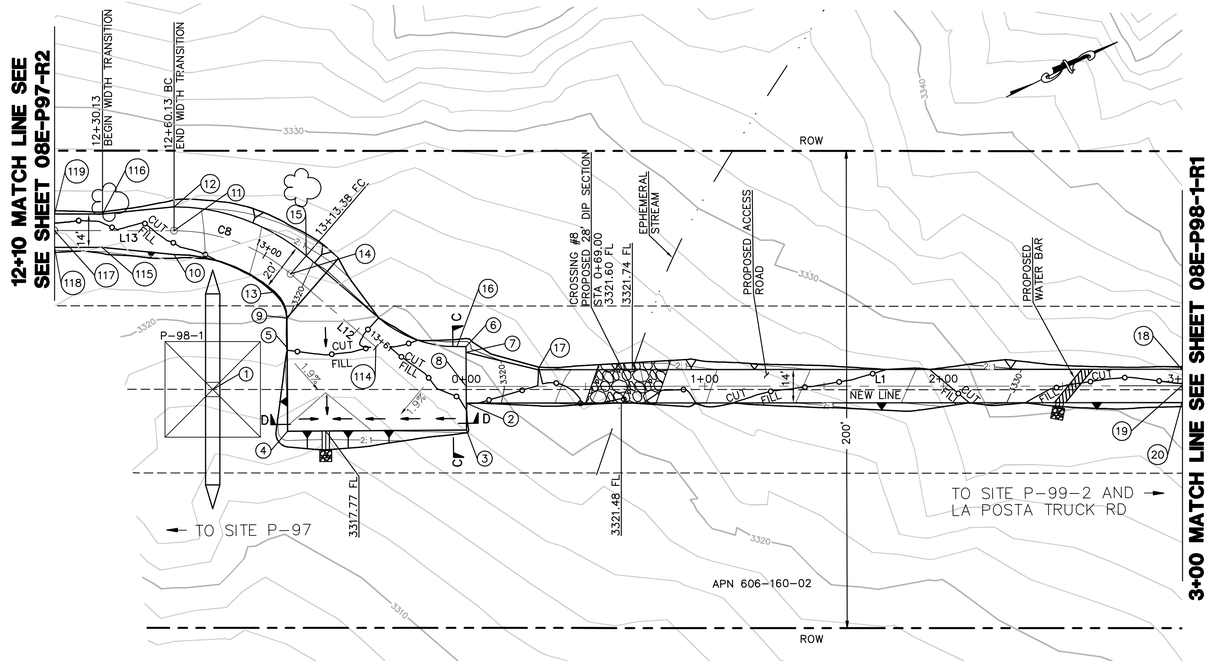
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-97

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				08E-P97-R2
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



TOWER P-98-1 PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

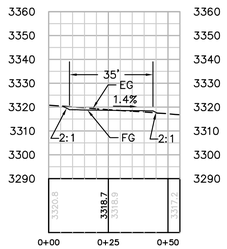
EARTH QUANTITIES:
CUT: 187 CY.
FILL: 169 CY.
NET: 18 CY.

DISTURBED AREA:
PAD: 3,302 SF
ROAD: 8,974 SF
TOTAL: 12,276 SF

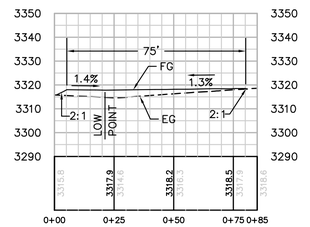
QUANTITIES:
DIP SECTION: 502 SF
RIP RAP: 50 LF
DOWN DRAIN: 10 LF

DIP SECTION EXPORT: 34 CY

LENGTH OF ACCESS ROAD: 451 LF



SECTION C-C
HORIZ. & VERT. SCALE: 1" = 30'

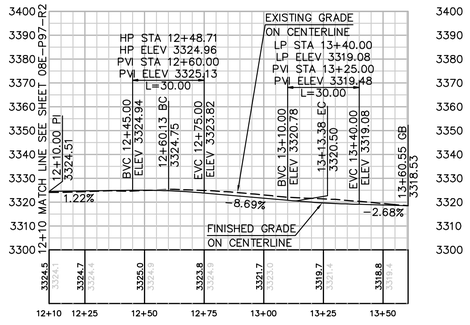


SECTION D-D
HORIZ. & VERT. SCALE: 1" = 30'

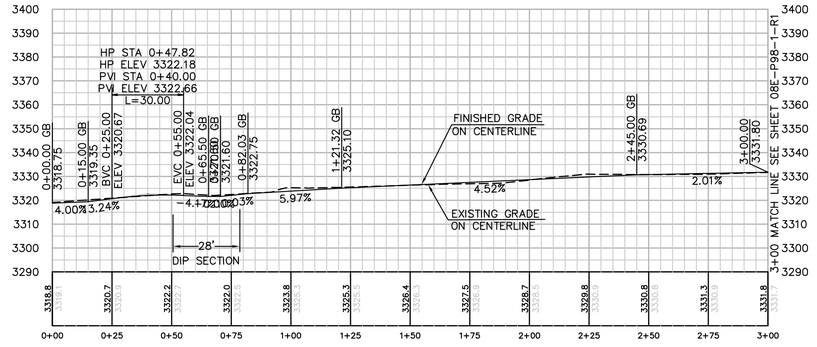
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-98-1	500 KV EXMT Lattice Tangent Tower	0.0	166.5

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		300.00	N27°03'56"E
C8	75.00	53.25	40°40'43"
L12		47.17	N67°46'38"E
L13		50.13	N27°05'56"E

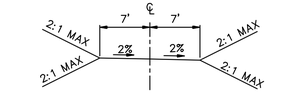
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1825557.94	6493892.01	(3317.17)	P-98-1
2	1825650.02	6493945.58	3318.66	FG
3	1825644.93	6493955.68	3318.51	FG
4	1825577.95	6493921.94	3317.97	FG
5	1825593.69	6493890.68	3318.48	FG
6	1825660.67	6493924.43	3318.97	FG
7	1825659.59	6493926.58	3318.94	FG
8	1825653.17	6493939.33	3318.75	CL
9	1825599.24	6493879.67	3320.04	FG
10	1825569.29	6493834.27	3324.95	BC
11	1825573.85	6493825.37	3324.75	CL/BC
12	1825578.40	6493816.47	3324.55	BC
13	1825599.86	6493867.55	3320.70	EC
14	1825609.11	6493863.77	3320.50	CL/EC
15	1825618.37	6493859.99	3320.30	EC
16	1825657.27	6493922.71	3318.95	FG
17	1825683.09	6493946.76	3321.13	FG
18	1825923.51	6494069.60	3331.66	FG
19	1825920.32	6494075.84	3331.80	CL
20	1825917.13	6494082.07	3331.94	FG
114	1825626.95	6493907.44	3318.53	CL
115	1825543.84	6493817.88	3324.90	FG
116	1825550.33	6493805.47	3324.62	FG
117	1825529.22	6493802.53	3324.51	CL/PI
118	1825526.03	6493808.77	3324.65	FG
119	1825532.41	6493796.30	3324.37	FG



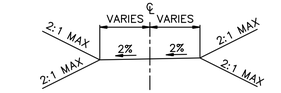
PROFILE: ACCESS ROAD TO TOWER P-98-1
HORIZ. & VERT. SCALE: 1" = 30'



PROFILE: ACCESS ROAD TO TOWER P-98-1
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+55 TO 0+83
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
STA 12+10 TO 13+60.55
STA 0+00 TO 0+55
STA 0+83 TO 3+00
N.T.S.

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REVISIONS

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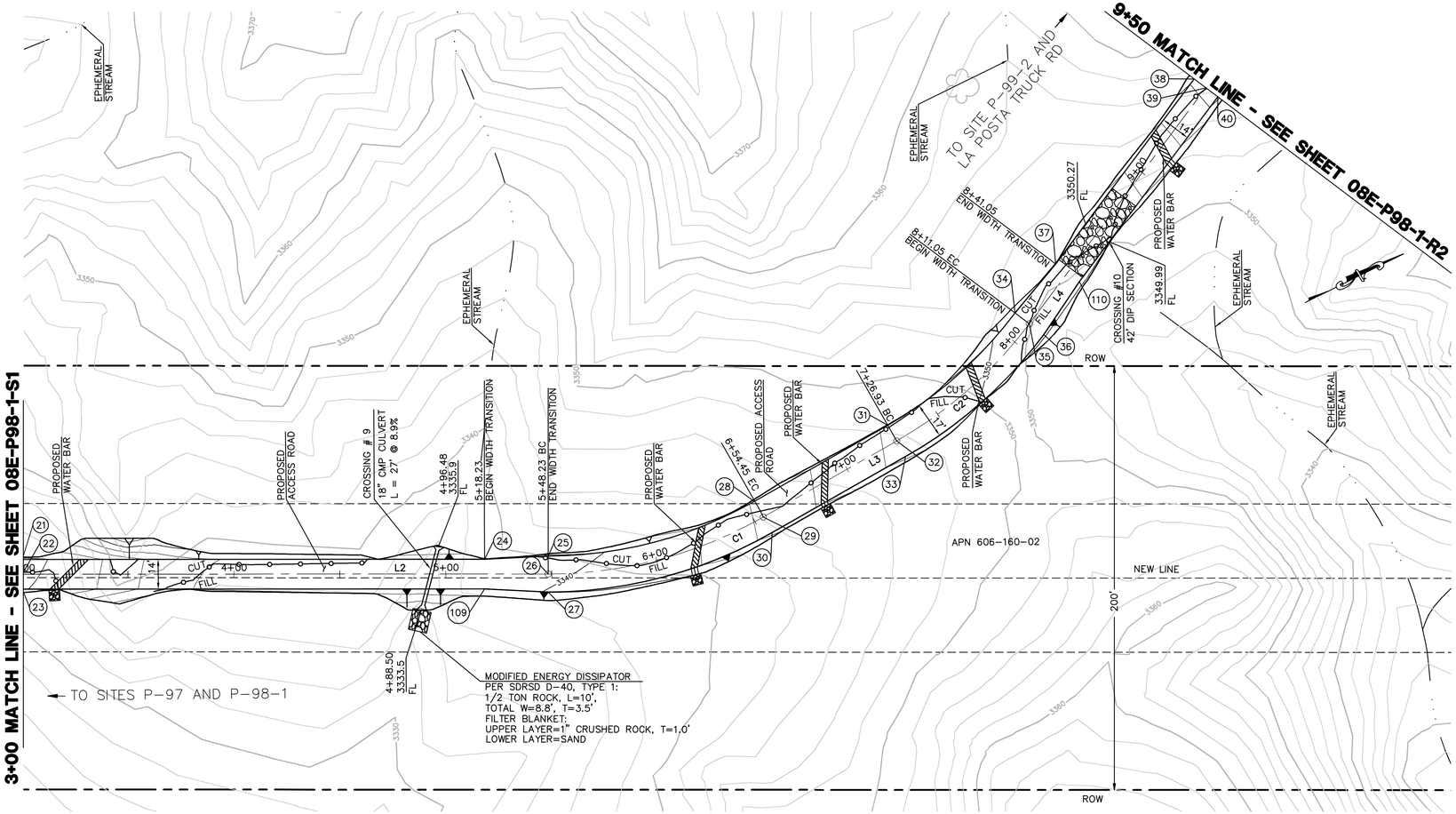
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA
SPL-8E (LINK 2)
SITE P-98-1

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0
CHECKED BY:	DATE:			
APPROVED BY:	DATE:			
CAD NO.:	PLOT SCALE: 1 = 1			

08E-P98-1-S1



NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
21	1825923.51	6494069.60	3331.66	FG
22	1825920.32	6494075.84	3331.80	CL
23	1825917.13	6494082.07	3331.94	FG
24	1826117.84	6494168.90	3339.39	FG
25	1826145.23	6494181.21	3339.69	BC
26	1826141.36	6494188.78	3339.86	CL/BC
27	1826137.49	6494196.35	3340.03	BC
28	1826243.62	6494202.58	3344.20	EC
29	1826244.01	6494211.08	3344.37	CL/EC
30	1826244.39	6494219.57	3344.54	EC
31	1826316.03	6494199.31	3348.23	BC
32	1826316.42	6494207.80	3348.40	CL/BC
33	1826316.80	6494216.29	3348.57	BC
34	1826393.61	6494179.47	3350.22	EC
35	1826397.34	6494187.10	3350.39	CL/EC
36	1826401.08	6494194.74	3350.56	EC
37	1826421.21	6494167.62	3350.63	FG
38	1826519.04	6494119.68	3356.27	FG
39	1826522.12	6494125.97	3356.41	CL
40	1826525.20	6494132.26	3356.55	FG
109	1826111.46	6494181.36	3339.57	FG
110	1826427.37	6494180.19	3350.91	FG

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	205.00	106.22	29°41'19"
C2	205.00	84.12	23°30'43"
L2		248.23	N27°03'56"E
L3		72.48	N2°35'24"W
L4		261.72	N26°06'07"W

EARTH QUANTITIES:
CUT: 234 CY.
FILL: 214 CY.
NET: 20 CY.
DIP SECTION EXPORT: 40 CY

DISTURBED AREA:
ROAD: 13,235 SF
TOTAL: 13,235 SF

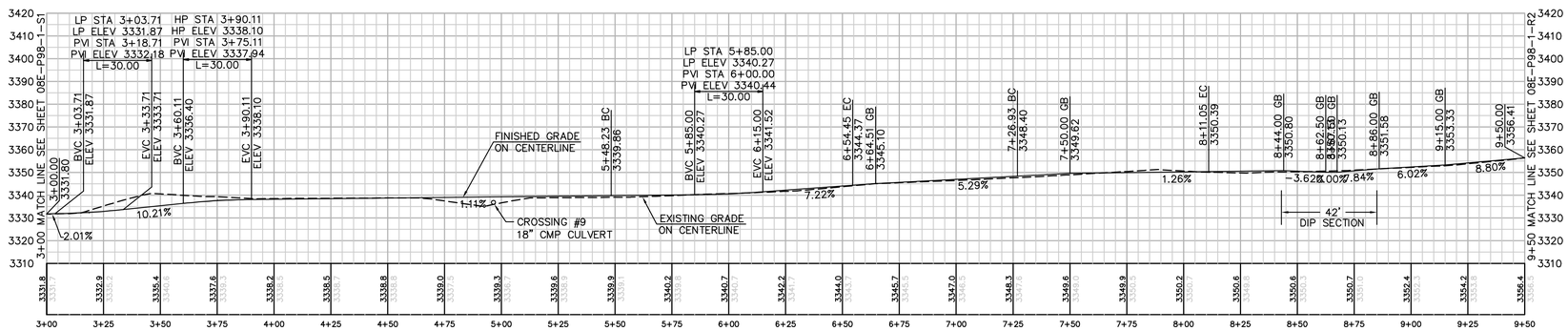
QUANTITIES:
18" CMP CULVERT: 27 LF
CULVERT END SECTIONS: 2 EA
RIP RAP: 125 SF
DOWN DRAIN: 6 LF
DIP SECTION: 590 SF
ENERGY DISSIPATOR: 88 SF

LENGTH OF ACCESS ROAD: 650 LF

ACCESS ROAD TO TOWERS P-97-1 & P-98-1 PLAN

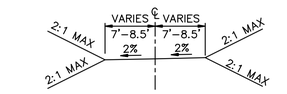
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-98-1

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



TYPICAL ACCESS ROAD CROSS SECTION
FROM STA 3+00 TO 9+50
N.T.S.

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REVISIONS

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

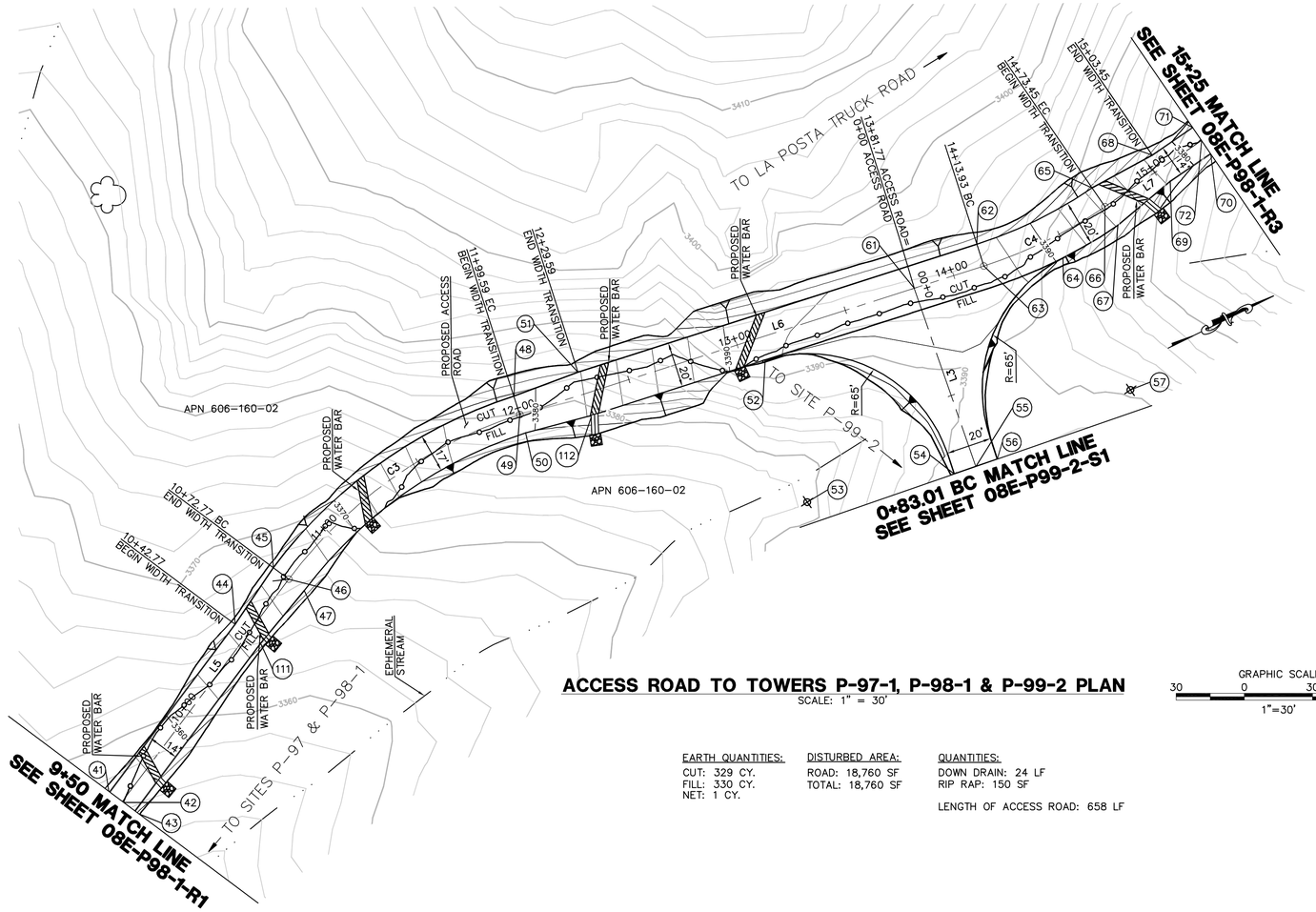
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)

ACCESS ROAD TO SITES P-97-1 & P-98-1

DRAWN BY: 00	DATE:	SCALE: 1" = 30' W.O.	REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		

08E-P98-1-R1



ACCESS ROAD TO TOWERS P-97-1, P-98-1 & P-99-2 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

EARTH QUANTITIES:
CUT: 329 CY.
FILL: 330 CY.
NET: 1 CY.

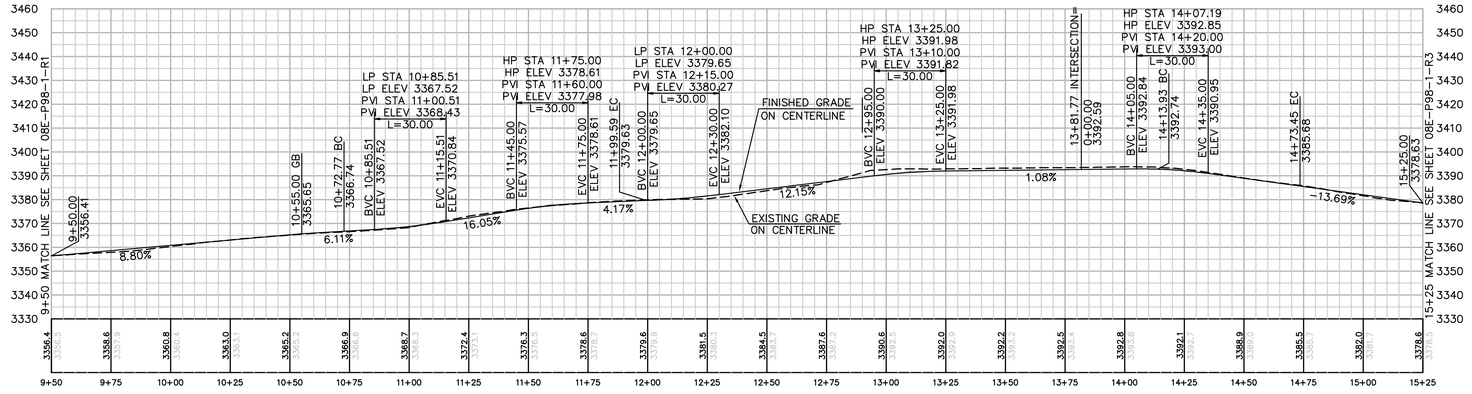
DISTURBED AREA:
ROAD: 18,760 SF
TOTAL: 18,760 SF

QUANTITIES:
DOWN DRAIN: 24 LF
RIP RAP: 150 SF

LENGTH OF ACCESS ROAD: 658 LF

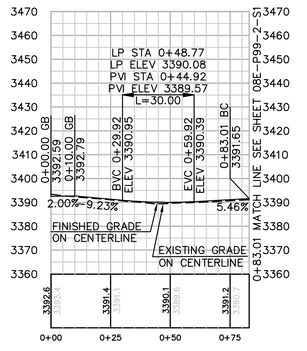
CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C3	205.00	126.82	35°26'39"
C4	205.00	59.52	16°38'09"
L5		122.77	N26°06'07"W
L6		214.34	N9°20'32"E
L7		51.55	N7°17'37"W
L3		83.01	S81°58'25"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
41	1826519.04	6494119.68	3356.27	FG
42	1826522.12	6494125.97	3356.41	CL
43	1826525.20	6494132.26	3356.55	FG
44	1826602.35	6494078.87	3364.44	FG
45	1826628.63	6494064.32	3366.57	BC
46	1826632.37	6494071.96	3366.74	CL/BC
47	1826636.11	6494079.59	3366.91	BC
48	1826757.22	6494045.38	3379.46	EC
49	1826755.84	6494053.77	3379.63	CL/EC
50	1826754.46	6494062.15	3379.80	EC
51	1826787.07	6494048.77	3381.86	FG
52	1826862.88	6494081.51	3391.58	EC
53	1826850.83	6494145.65		RP
54	1826914.12	6494164.14	3391.45	BC
55	1826924.02	6494165.54	3391.65	CL/BC
56	1826933.92	6494166.93	3391.85	BC
57	1826999.90	6494166.49		RP
61	1826935.61	6494083.34	3392.59	CL/INT
62	1826968.96	6494078.69	3392.54	BC
63	1826967.34	6494088.56	3392.74	CL/BC
64	1826999.93	6494101.28	3389.54	FG
65	1827025.37	6494079.70	3385.48	EC
66	1827026.64	6494089.62	3385.68	CL/EC
67	1827027.91	6494099.54	3385.88	EC
68	1827055.51	6494078.87	3381.44	FG
69	1827057.29	6494092.76	3381.72	CL
70	1827078.66	6494090.02	3378.77	FG
71	1827076.89	6494076.13	3378.49	FG
72	1827077.78	6494083.08	3378.63	CL
111	1826608.51	6494091.44	3364.72	FG
112	1826783.82	6494068.50	3382.24	FG



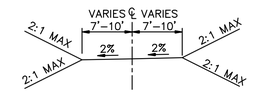
PROFILE: ACCESS ROAD TO TOWER P-98-1

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



PROFILE: ACCESS ROAD TO TOWER P-99-2

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



TYPICAL ACCESS ROAD CROSS SECTION

STA 9+50 TO 15+25
N.T.S.

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P98-R2.dwg[May-25-2010]3:37

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITES P-97-1, P-98-1 & P-99-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P98-1-R2
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
73	1827078.66	6494090.02	3378.77	FG
74	1827076.89	6494076.13	3378.49	FG
75	1827218.57	6494058.00	3369.80	FG
76	1827247.95	6494051.22	3369.19	BC
77	1827249.22	6494061.14	3369.39	BC/CL
78	1827250.49	6494071.05	3369.59	BC
79	1827278.33	6494039.01	3367.38	EC
80	1827284.27	6494047.06	3367.58	CL/EC
81	1827290.22	6494055.10	3367.78	EC
82	1827297.82	6494024.61	3366.23	BC
83	1827303.77	6494032.65	3366.43	CL/BC
84	1827309.71	6494040.69	3366.63	BC
85	1827337.46	6494008.66	3365.45	EC
86	1827338.74	6494018.58	3365.35	CL/EC
87	1827340.02	6494028.50	3365.55	EC
88	1827367.59	6494007.80	3366.19	FG
89	1827411.39	6494002.14	3365.60	FG
90	1827440.76	6493995.32	3364.59	BC
91	1827442.01	6494005.20	3364.79	CL/BC
92	1827443.32	6494015.15	3364.99	BC
93	1827413.18	6494016.02	3365.88	FG
94	1827369.39	6494021.68	3366.47	FG
95	1827220.35	6494071.89	3370.08	FG
96	1827479.58	6493999.34	3363.03	EC
97	1827476.34	6494008.80	3363.23	CL/EC
98	1827473.01	6494018.23	3363.43	EC
99	1827512.81	6494010.90	3360.61	FG
103	1827550.12	6494112.34	3349.57	BC
104	1827506.10	6494029.74	3360.81	FG
105	1827540.90	6493951.85		RP
106	1827488.27	6494092.36		RP
107	1827573.96	6494042.77	(3357.36)	CL
108	1827077.78	6494083.08	3378.63	CL
120	1827601.64	6493974.99	(3363.72)	BC
121	1827519.54	6494013.24	3360.21	EC
122	1827509.63	6494030.97	3360.41	EC

EARTH QUANTITIES:
CUT: 275 CY.
FILL: 189 CY.
NET: 86 CY.
DIP SECTION EXPORT: 49 CY

DISTURBED AREA:
ROAD: 14,814 SF
TOTAL: 14,814 SF

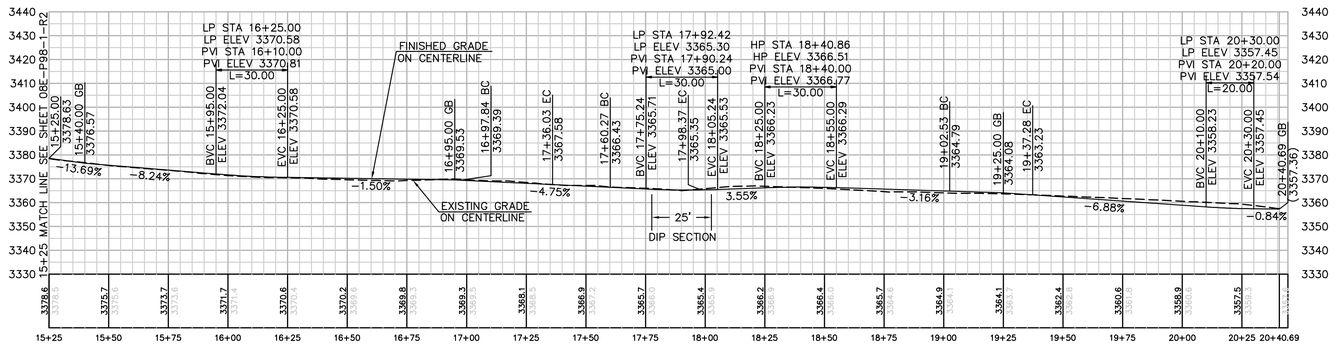
QUANTITIES:
DIP SECTION: 719 SF
RIP RAP: 50 SF
DOWN DRAIN: 4 LF

LENGTH OF ACCESS ROAD: 516 LF

ACCESS ROAD TO TOWERS P-97, P-98-1 & P-99-2 PLAN

SCALE: 1" = 30'

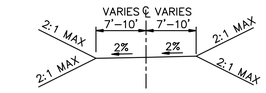
GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-98-1

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

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C5	75.00	38.19	29°10'26"
C6	75.00	38.10	29°06'23"
C7	75.00	34.75	26°32'51"
L8		172.84	N7°17'37"W
L9		24.24	N36°28'03"W
L10		104.16	N7°21'40"W
L11		107.02	N19°11'11"E



TYPICAL ACCESS ROAD CROSS SECTION
STA 15+25 TO 20+40.69

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITES P-97, P-98-1 & P-99-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P98-1-R3
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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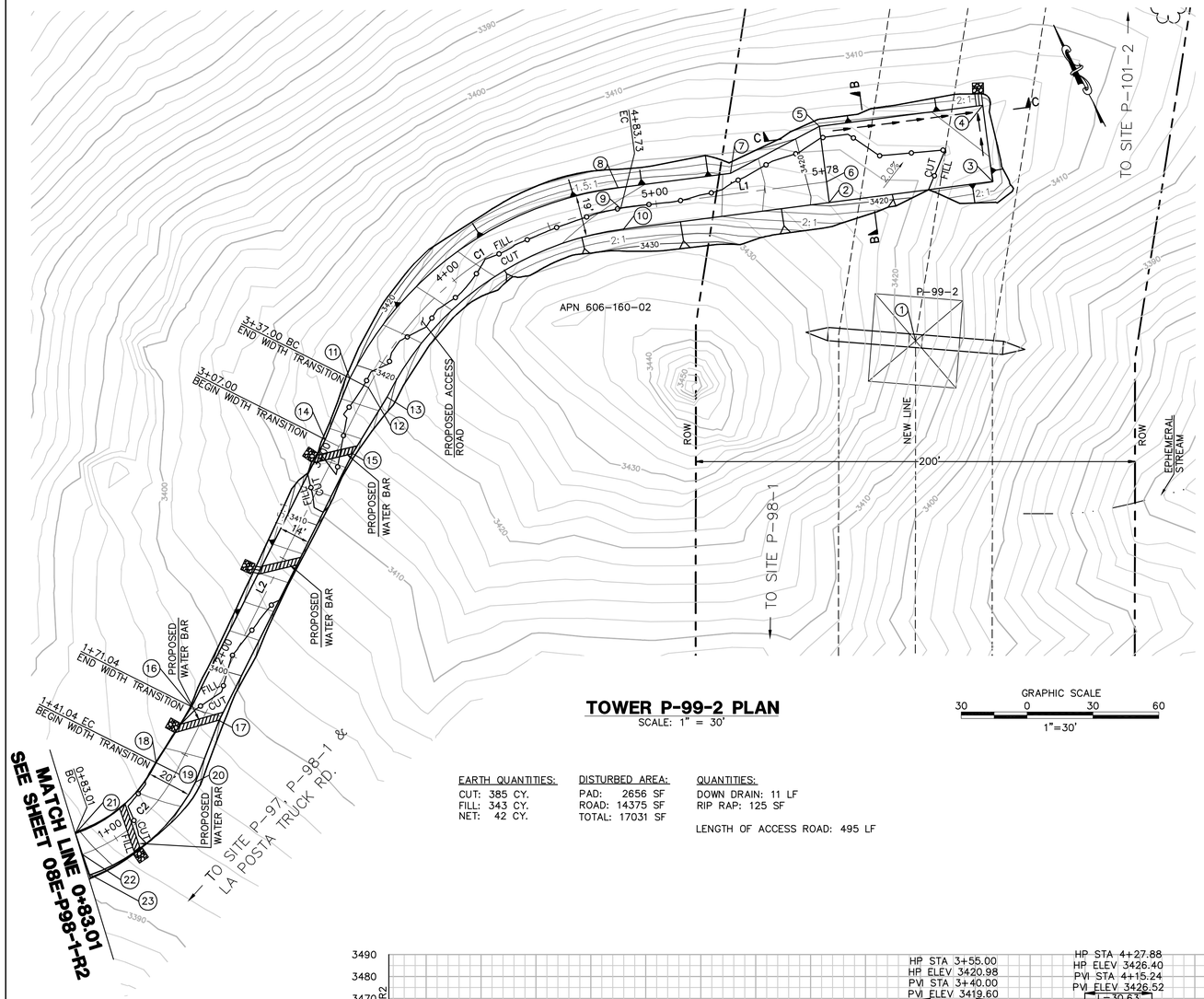


TOWER P-99-2 PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

EARTH QUANTITIES:
CUT: 385 CY.
FILL: 343 CY.
NET: 42 CY.

DISTURBED AREA:
PAD: 2656 SF
ROAD: 14375 SF
TOTAL: 17031 SF

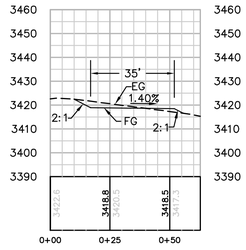
QUANTITIES:
DOWN DRAIN: 11 LF
RIP RAP: 125 SF

LENGTH OF ACCESS ROAD: 495 LF

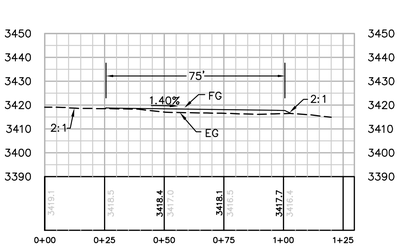
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-99-2	500 KV EXHD Lattice Dead-end Tower	8.91	159.75

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1826959.32	6494609.82	(3416.97)	P-99-2
2	1827033.32	6494603.58	3419.21	FG
3	1827007.99	6494674.18	3418.16	FG
4	1827040.93	6494686.00	3417.67	FG
5	1827066.26	6494615.41	3418.72	FG
6	1827042.26	6494606.79	3419.08	CL
7	1827065.72	6494569.54	3423.49	FG
8	1827083.13	6494521.01	3426.11	EC
9	1827074.19	6494517.81	3425.92	CL/EC
10	1827065.25	6494514.60	3425.73	EC
11	1827061.53	6494372.70	3419.28	BC
12	1827053.88	6494378.32	3419.09	CL/BC
13	1827046.22	6494383.95	3418.90	BC
14	1827041.75	6494350.00	3415.25	FG
15	1827030.47	6494358.29	3414.97	FG
16	1826961.25	6494240.45	3398.09	FG
17	1826949.97	6494248.74	3397.81	FG
18	1826945.90	6494214.50	3395.27	EC
19	1826937.85	6494220.42	3395.07	CL/EC
20	1826929.79	6494226.34	3394.87	EC
21	1826933.92	6494166.93	3391.85	BC
22	1826924.02	6494165.54	3391.65	CL/BC
23	1826915.00	6494164.06	3391.45	BC

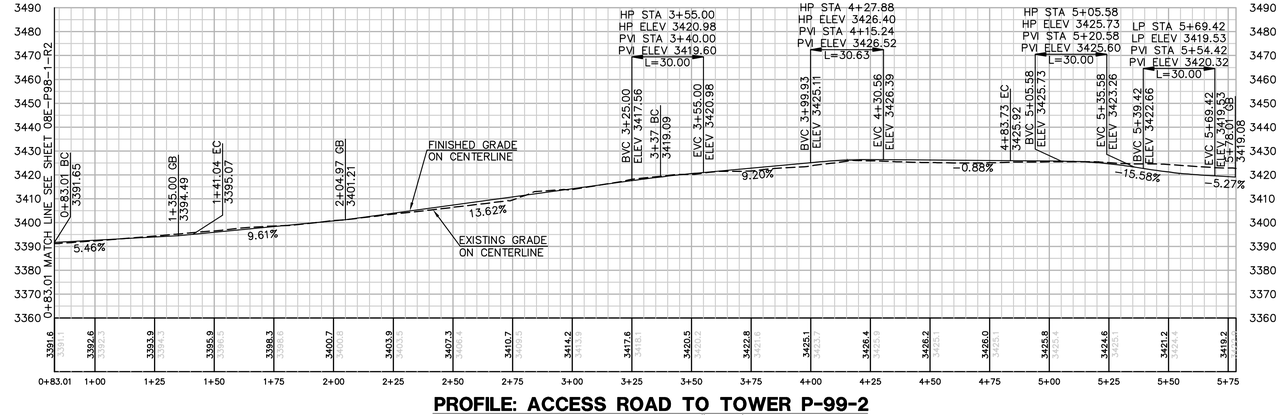
CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		94.54	S70°15'41"E
C1	150.00	146.73	56°02'53"
L2		195.95	N53°41'26"E
C2	75.00	58.04	44°20'09"



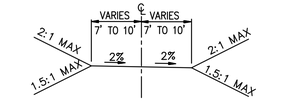
SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



SECTION C-C
HORIZ. & VERT. SCALE: 1" = 30'



PROFILE: ACCESS ROAD TO TOWER P-99-2
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+83.01 TO 5+78.00

Bureau Veritas North America
11590 West Bernardo Court Suite 100
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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
ROE 29708
Exp.3-31-17
CIVIL
STATE OF CALIFORNIA

REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-99-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P99-2-S1
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APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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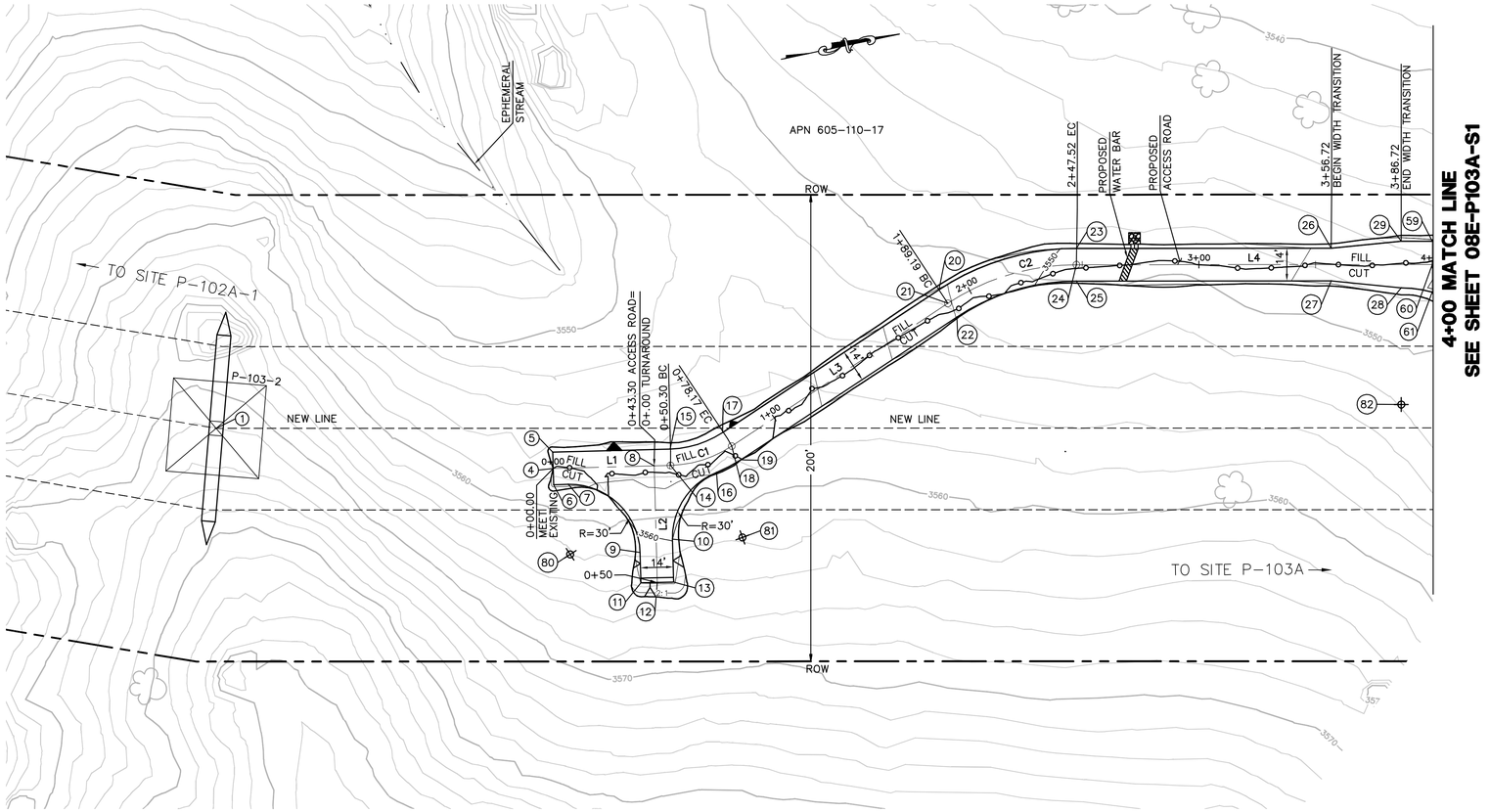
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-103-2	500 KV EXMD Lattice Dead-end Tower	-9.55	90.75

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	50.00	27.87	31°56'11"
C2	100.00	58.33	33°25'13"
L1		50.30	N10°30'10"E
L2		50.00	S79°29'50"E
L3		111.02	N21°26'00"W
L4		152.48	N11°59'12"E



NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1830830.55	6497159.05	(3571.43)	P-103-2
4	1830968.22	6497205.90	3557.42	CL/FG
5	1830969.50	6497199.02	3557.28	FG
6	1830966.95	6497212.79	3557.56	FG
7	1830973.15	6497213.94	3557.60	BC
8	1831010.80	6497213.80	3557.65	CL/INT
9	1830997.18	6497248.90	3560.84	BC
10	1831011.91	6497246.21	3559.93	BC
11	1830994.81	6497261.68	3561.91	FG
12	1831001.69	6497262.96	3561.77	FG
13	1831008.57	6497264.24	3561.63	FG
14	1831017.69	6497215.07	3557.68	CL/BC
15	1831018.96	6497208.19	3557.54	BC
16	1831036.37	6497222.10	3557.95	EC
17	1831042.51	6497205.94	3557.59	EC
18	1831045.07	6497212.45	3557.73	CL/EC
19	1831047.63	6497218.97	3557.87	EC
20	1831145.86	6497165.37	3552.25	BC
21	1831148.41	6497171.88	3552.11	CL/BC
22	1831150.97	6497178.40	3551.97	BC

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
23	1831207.18	6497160.30	3549.86	EC
24	1831205.72	6497167.15	3549.72	CL/EC
25	1831204.27	6497174.00	3549.58	EC
26	1831313.99	6497182.98	3547.71	FG
27	1831311.08	6497196.67	3547.43	FG
28	1831339.81	6497205.84	3546.38	FG
29	1831343.96	6497186.28	3546.78	FG
59	1831356.95	6497189.03	3546.34	FG
60	1831354.88	6497198.82	3546.14	FG
61	1831352.43	6497210.36	3545.94	FG
80	1830967.68	6497243.43		RP
81	1831041.41	6497251.67		RP
82	1831329.42	6497254.75		RP

EARTH QUANTITIES:
CUT: 71 CY.
FILL: 62 CY.
NET: 9 CY.

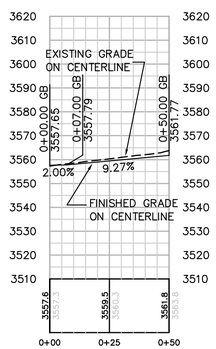
DISTURBED AREA:
PAD: 0 SF
ROAD: 7,835 SF
TOTAL: 7,835 SF

QUANTITIES:
RIP RAP: 25 SF
DOWN DRAIN: 2 LF

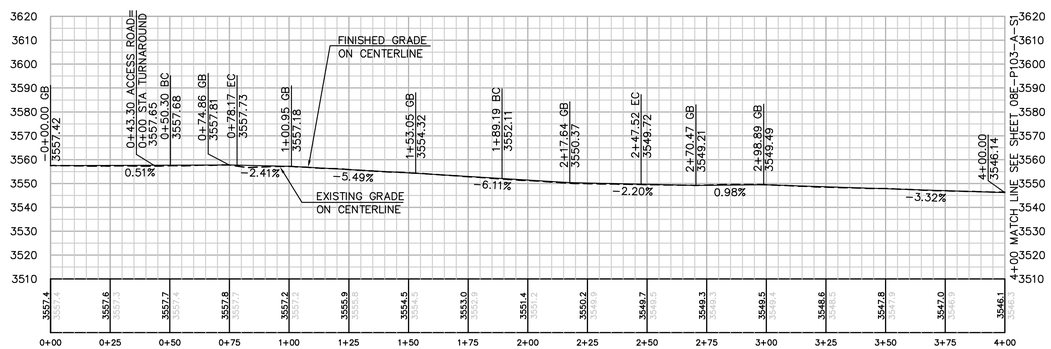
LENGTH OF ACCESS ROAD: 450 LF

TOWER P-103-2 PLAN
SCALE: 1" = 30'

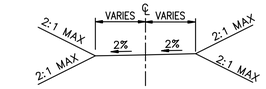
GRAPHIC SCALE
30 0 30 60
1"=30'



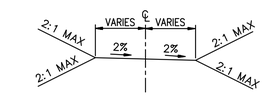
PROFILE: TURNAROUND
HORIZ. & VERT. SCALE: 1" = 30'



PROFILE: ACCESS ROAD TO TOWER P-103-2
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
0+00.00 TO 0+52.00
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
0+57.00 TO 4+00.00
N.T.S.

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P103-2-S1.dwg DMoy-25-20101424

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REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH No. 29708 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

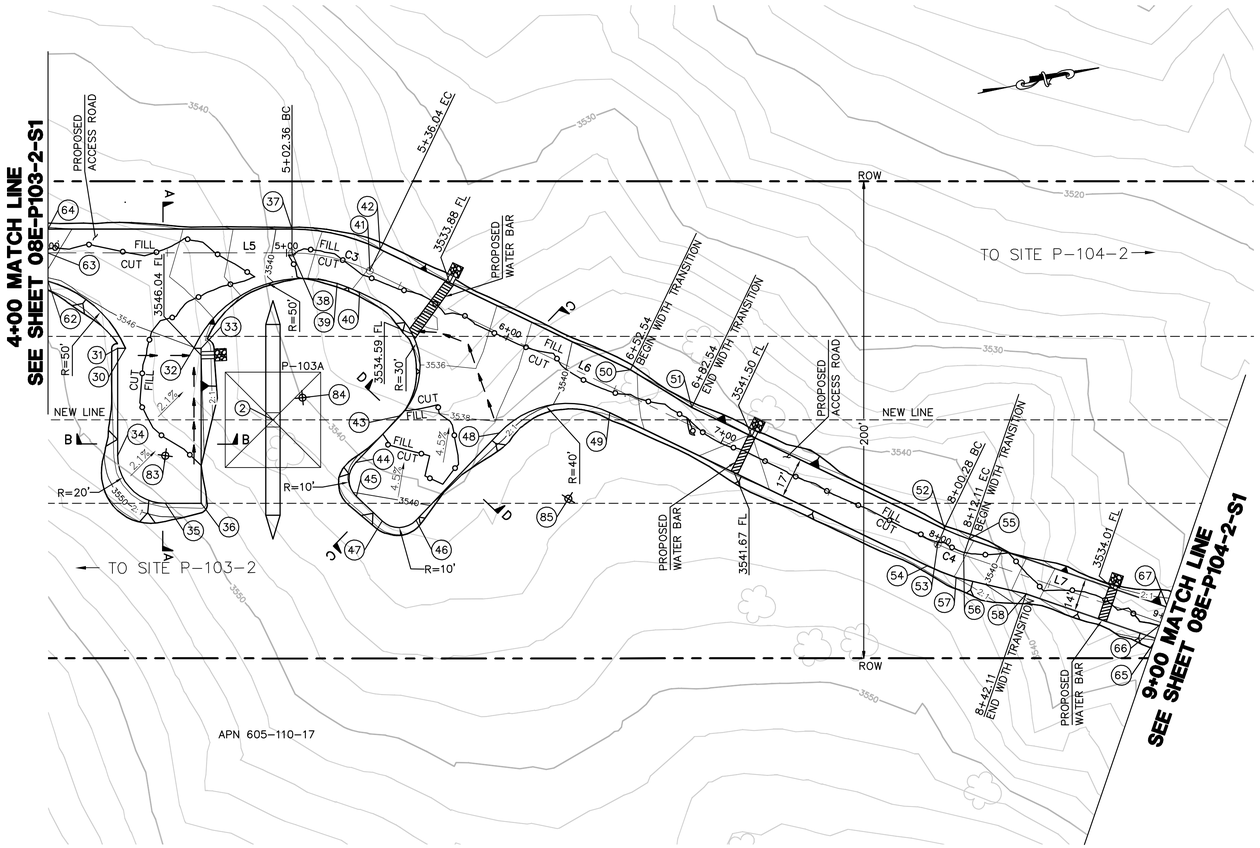
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-103-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08E-P103-2-S1



STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-103A	500 KV EXLD Lattice Dead-end Tower	0.00	108.75

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C3	75.00	33.67	25°43'27"
C4	100.00	11.83	6°46'45"
L5		102.36	N11°59'12"E
L6		264.24	N37°42'40"E
L7		87.89	N30°55'55"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	1831432.60	6497286.88	(3541.41)	P-103A
30	1831378.40	6497244.71	3546.48	FG
31	1831375.15	6497244.01	3546.52	FG
32	1831406.41	6497250.65	3546.05	FG
33	1831409.38	6497251.28	3546.00	FG
34	1831365.80	6497288.03	3547.20	FG
35	1831381.21	6497311.75	3547.20	FG
36	1831395.89	6497314.87	3546.98	FG
37	1831457.09	6497210.29	3539.25	BC
38	1831455.01	6497220.08	3539.05	CL/BC
39	1831470.80	6497236.51	3536.57	PCR
40	1831479.19	6497242.02	3535.73	EC
41	1831485.31	6497234.11	3535.93	CL/EC
42	1831491.42	6497226.20	3536.13	EC
43	1831485.19	6497296.25	3538.44	FG
44	1831462.80	6497311.56	3539.44	FG
45	1831460.19	6497325.46	3540.06	FG
46	1831482.55	6497340.46	3540.32	FG
47	1831468.66	6497337.84	3540.44	FG
48	1831524.31	6497311.90	3538.45	BC

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
49	1831571.36	6497313.28	3541.46	EC
50	1831583.59	6497297.46	3541.86	FG
51	1831605.49	6497318.18	3542.47	FG
52	1831698.63	6497390.20	3543.29	BC
53	1831694.35	6497395.74	3543.15	CL/BC
54	1831688.24	6497403.65	3542.95	BC
55	1831707.72	6497396.40	3542.25	EC
56	1831704.12	6497402.41	3542.11	CL/EC
57	1831698.98	6497410.98	3541.91	EC
58	1831726.25	6497423.83	3536.90	FG
62	1831352.43	6497210.36	3545.94	FG
63	1831354.88	6497198.82	3546.14	CL
64	1831356.95	6497189.03	3546.34	FG
65	1831775.91	6497453.59	3535.66	FG
66	1831779.51	6497447.58	3535.80	CL
67	1831783.10	6497441.58	3535.94	FG
83	1831385.37	6497292.19	3546.90	RP
84	1831446.67	6497280.30		RP
85	1831546.89	6497344.93		RP

EARTH QUANTITIES:
CUT: 343 CY.
FILL: 150 CY.
NET: 193 CY.

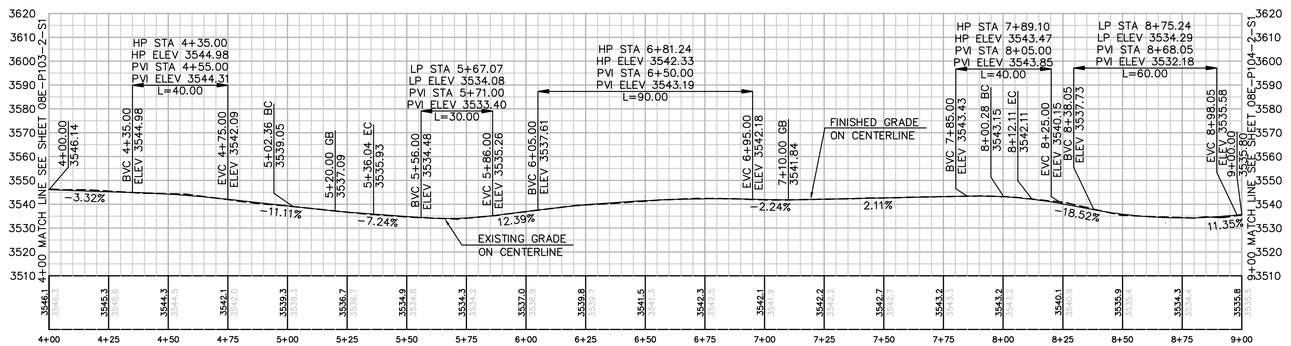
DISTURBED AREA:
PAD: 5,161 SF
ROAD: 14,780 SF
TOTAL: 19,941 SF

QUANTITIES:
RIP RAP: 100 SF
DOWN DRAIN: 10 LF

LENGTH OF ACCESS ROAD: 500 LF

TOWER P-103A PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-103A
HORIZ. & VERTICAL SCALE: 1" = 30'

SECTION C-C
HORIZ. & VERTICAL SCALE: 1" = 30'

SECTION D-D
HORIZ. & VERTICAL SCALE: 1" = 30'

SECTION A-A
HORIZ. & VERTICAL SCALE: 1" = 30'

SECTION B-B
HORIZ. & VERTICAL SCALE: 1" = 30'

TYPICAL ACCESS ROAD CROSS SECTION
4+00.00 TO 9+00.00
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29708
Exp. 3-31-17
CIVIL
STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-103A

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0
CHECKED BY:	DATE:			
APPROVED BY:	DATE:			
CAD NO.:	PLOT SCALE: 1 = 1			

08E-P103A-S1

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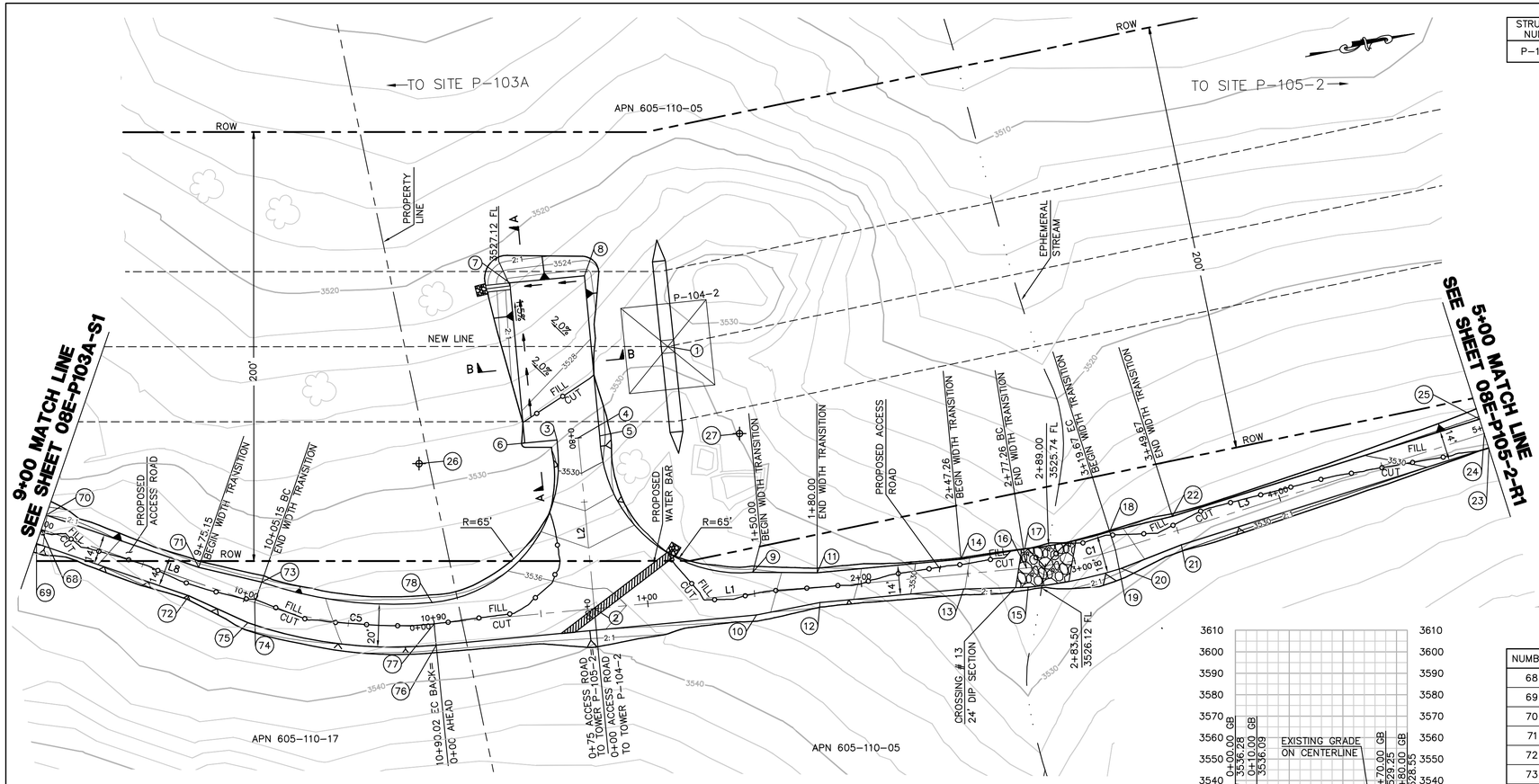


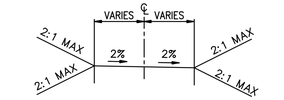
TOWER P-104-2 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

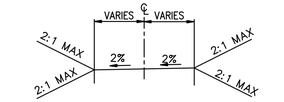
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-104-2	500 KV EXMA Lattice Angle Tower	-11.73	127.50

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	200.00	42.41	12°09'02"
L1		277.26	N6°37'04"E
L2		80.00	N83°22'56"W
L3		180.33	N5°31'57"W
C5	200.00	84.87	24°18'51"
L8		105.15	N30°55'55"E



TYPICAL ACCESS ROAD CROSS SECTION

9+00.00 TO 10+90.02
1+55.00 TO 5+00.00
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION

0+05.00 TO 1+50.00
N.T.S.

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1832082.82	6497424.93	(3529.20)	P-104-2
2	1832023.95	6497537.39	3536.28	CL/INT
3	1832023.24	6497456.77	3528.92	EC
4	1832033.17	6497457.92	3529.05	FG
5	1832043.11	6497459.07	3529.18	EC
6	1832008.34	6497455.04	3528.73	FG
7	1832016.98	6497380.54	3527.60	FG
8	1832051.75	6497384.57	3528.05	BC
9	1832099.61	6497536.10	3534.33	EC
10	1832097.30	6497555.96	3533.93	FG
11	1832129.06	6497542.53	3533.10	FG
12	1832127.45	6497556.44	3532.82	FG
13	1832194.26	6497564.19	3528.04	FG
14	1832195.87	6497550.28	3528.32	FG
15	1832223.83	6497569.64	3526.26	BC
16	1832224.87	6497560.70	3526.08	CL/BC
17	1832225.90	6497551.76	3525.90	BC
18	1832266.33	6497552.14	3527.59	EC
19	1832267.20	6497561.10	3527.41	CL/EC
20	1832268.07	6497570.05	3527.23	EC
21	1832297.73	6497565.17	3528.71	FG
22	1832296.38	6497551.24	3528.99	FG
23	1832447.36	6497550.68	3530.32	CL
24	1832446.69	6497543.71	3530.46	FG
25	1832446.01	6497536.74	3530.60	FG
26	1831958.10	6497454.24		RP
27	1832107.10	6497471.53		RP

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
68	1831779.51	6497447.58	3535.80	FG
69	1831775.91	6497453.59	3535.66	FG
70	1831783.10	6497441.58	3535.94	FG
71	1831847.56	6497480.21	3534.90	FG
72	1831840.37	6497492.21	3534.62	FG
73	1831874.84	6497493.05	3534.79	BC
74	1831869.70	6497501.63	3534.59	CL/BC
75	1831864.56	6497510.21	3534.39	BC
76	1831948.30	6497538.68	3536.81	EC
77	1831949.45	6497528.74	3537.01	CL/EC
78	1831950.61	6497518.81	3537.21	PCC

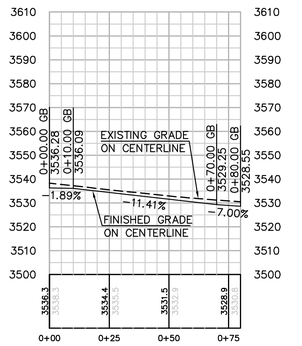
EARTH QUANTITIES:
CUT: 393 CY.
FILL: 372 CY.
NET: 21 CY.

DISTURBED AREA:
PAD: 3,934 SF
ROAD: 18,346 SF
TOTAL: 22,280 SF

QUANTITIES:
DIP SECTION: 452 SF
RIP RAP: 50 SF
DOWN DRAIN: 12 LF

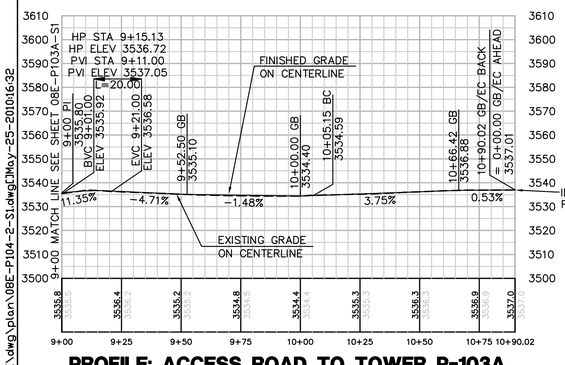
DIP SECTION EXPORT 31 CY

LENGTH OF ACCESS ROAD: 770 LF



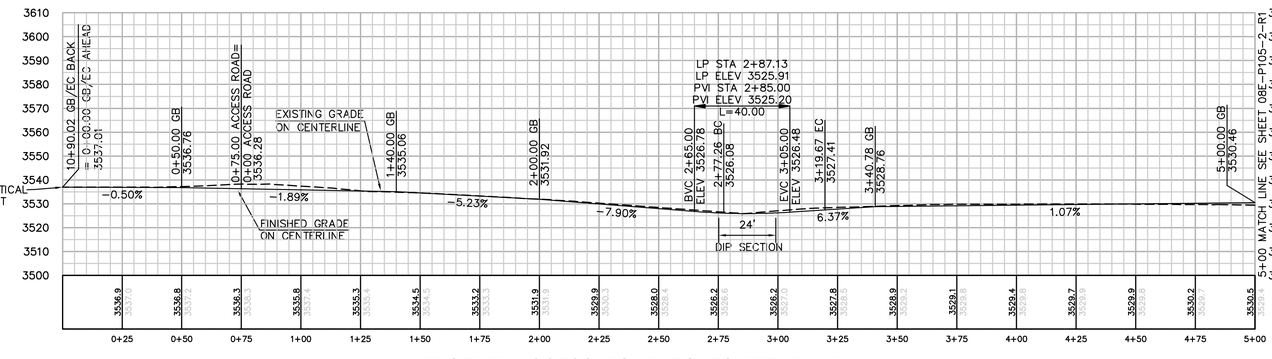
PROFILE: ACCESS ROAD TO TOWER P-104-2

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



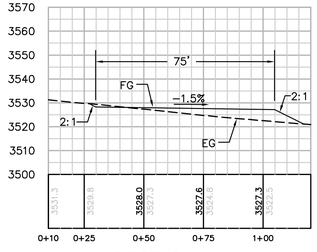
PROFILE: ACCESS ROAD TO TOWER P-103A

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



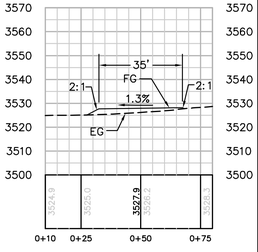
PROFILE: ACCESS ROAD TO TOWER P-105-2

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



SECTION A-A

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



SECTION B-B

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

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REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH NO. 28708 Exp.3-31-17 CIVIL STATE OF CALIFORNIA

REVISIONS

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

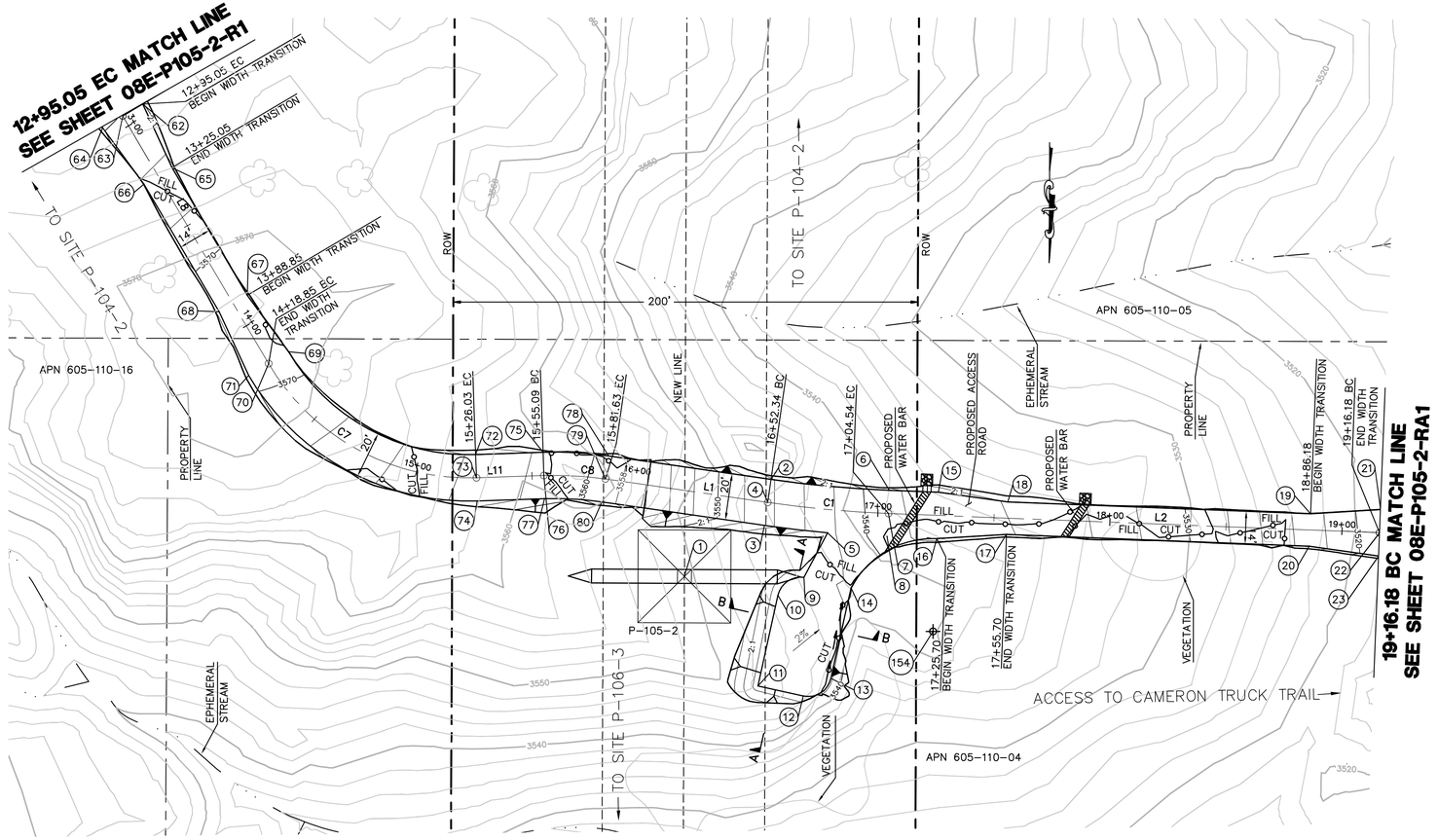
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)

SITE P-104-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08E-P104-2-S1
CAD NO.:	PLOT SCALE: 1 = 1				

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P104-2-S1.dwg Mon May-25-2015 16:32



STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-105-2	500 KV EXMT Lattice Tangent Tower	0.00	169.50

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	500.00	52.20	5°58'57"
L1		70.71	N81°46'03"W
L2		211.64	N87°45'00"W
C7	100.00	107.18	61°24'39"
C8	150.00	26.54	10°08'15"
L8		123.80	N30°29'39"W
L11		29.06	S88°05'42"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1833380.34	6497430.65	(3550.61)	P-105-2
2	1833338.57	6497393.32	3546.24	BC
3	1833358.36	6497396.19	3546.64	BC
4	1833348.46	6497394.75	3546.44	CL/BC
5	1833361.56	6497368.96	3542.53	BC
6	1833343.24	6497342.40	3538.51	EC
7	1833353.23	6497342.79	3538.71	CL/EC
8	1833363.15	6497343.35	3538.93	EC
9	1833380.75	6497379.20	3542.24	FG
10	1833388.49	6497390.37	3542.50	FG
11	1833427.54	6497399.03	3542.95	FG
12	1833431.87	6497379.50	3542.62	FG
13	1833424.27	6497367.58	3542.34	FG
14	1833385.22	6497358.91	3541.89	FG
15	1833344.07	6497321.25	3537.01	FG
16	1833364.05	6497322.04	3537.48	EC
17	1833362.23	6497291.94	3536.16	FG
18	1833348.24	6497291.39	3535.88	FG
19	1833353.37	6497161.02	3521.79	FG
20	1833367.36	6497161.57	3522.07	FG
21	1833351.55	6497130.93	3518.40	BC
22	1833361.54	6497131.32	3518.64	CL/BC
23	1833371.53	6497131.71	3518.80	BC
154	1833404.02	6497323.61		RP

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
62	1833176.90	6497663.94	3563.86	EC
63	1833181.97	6497672.55	3564.06	CL/EC
64	1833187.05	6497681.17	3564.26	EC
65	1833204.27	6497651.30	3566.19	FG
66	1833211.38	6497663.36	3566.47	FG
67	1833259.24	6497618.93	3571.39	FG
68	1833266.34	6497630.99	3571.67	FG
69	1833283.57	6497601.12	3570.51	BC
70	1833288.64	6497609.73	3570.71	CL/BC
71	1833293.72	6497618.35	3570.91	BC
72	1833327.85	6497520.57	3563.24	EC
73	1833337.84	6497520.24	3563.44	CL/EC
74	1833347.84	6497519.91	3563.64	EC
75	1833326.88	6497491.53	3561.27	BC
76	1833336.88	6497491.20	3561.47	CL/BC
77	1833346.87	6497490.86	3561.67	BC
78	1833328.44	6497463.30	3558.90	EC
79	1833338.34	6497464.73	3559.10	CL/EC
80	1833348.24	6497466.16	3559.30	EC

EARTH QUANTITIES:
CUT: 256 CY.
FILL: 251 CY.
NET: 5 CY.

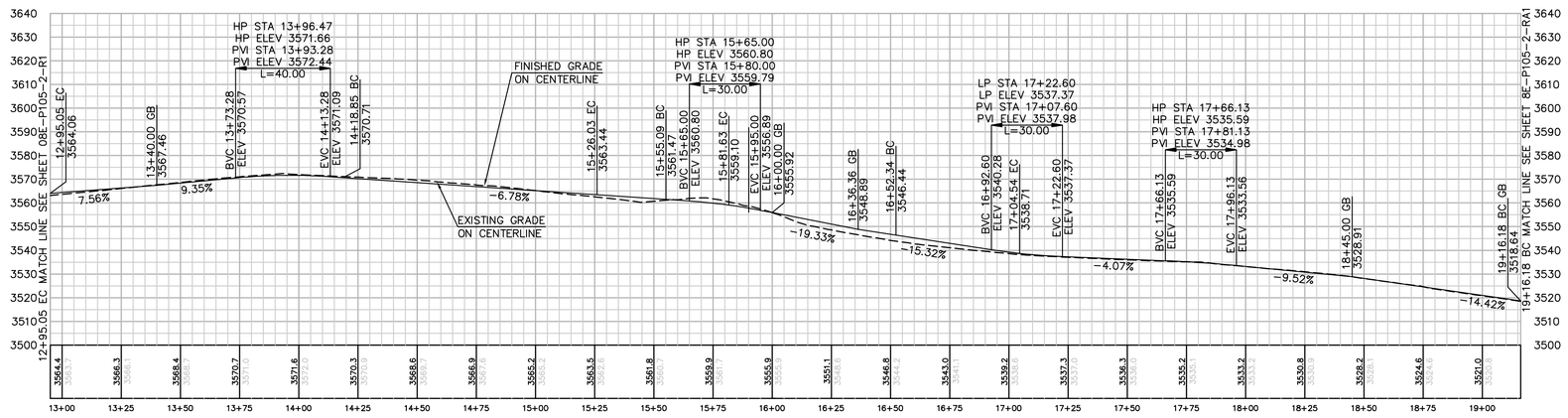
DISTURBED AREA:
PAD: 2,361 SF
ROAD: 13,133 SF
TOTAL: 15,494 SF

QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 3 LF

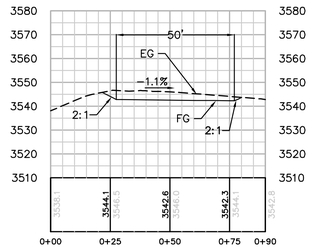
LENGTH OF ACCESS ROAD: 621 LF

TOWER P-105-2 PLAN
SCALE: 1" = 30'

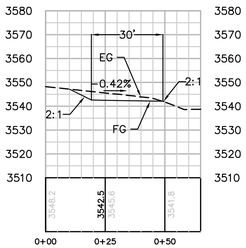
GRAPHIC SCALE
30 0 30 60
1"=30'



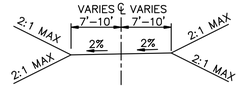
PROFILE: ACCESS ROAD TO TOWER P-105-2
HORZ. & VERT. SCALE: 1" = 30'



SECTION A-A
HORIZ. & VERT. SCALE: 1" = 30'



SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 12+95.05 TO 19+16.18
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29708
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

REVISIONS

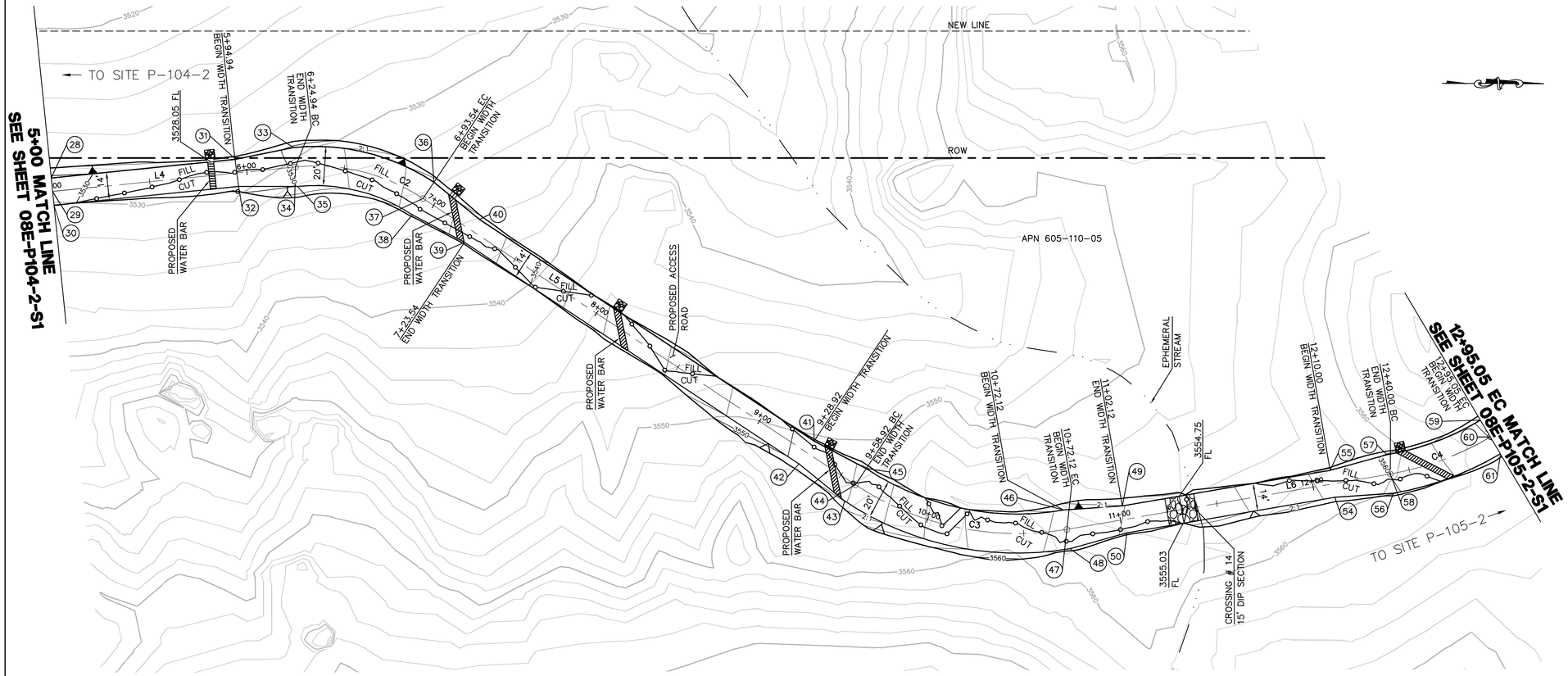
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-105-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08E-P105-2-S1

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P105-2-S1.dwg Thu May 27 - 25 - 2010 16:07



NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
28	1832446.01	6497536.74	3530.60	FG
29	1832446.69	6497543.71	3530.46	CL
30	1832447.36	6497550.68	3530.32	FG
31	1832540.51	6497527.59	3528.67	FG
32	1832541.86	6497541.53	3528.39	FG
33	1832570.08	6497521.71	3530.45	BC
34	1832571.04	6497531.67	3530.25	CL/BC
35	1832572.01	6497541.62	3530.05	BC
36	1832641.83	6497539.76	3534.97	EC
37	1832636.27	6497548.07	3534.77	CL/EC
38	1832630.71	6497556.39	3534.57	EC
39	1832657.32	6497570.57	3536.61	FG
40	1832665.10	6497558.93	3536.89	FG
41	1832835.83	6497673.10	3550.64	FG
42	1832828.05	6497684.74	3550.36	FG
43	1832851.32	6497703.91	3551.89	BC
44	1832856.88	6497695.60	3552.09	CL/BC
45	1832862.44	6497687.29	3552.29	BC
46	1832963.28	6497709.00	3557.71	EC
47	1832964.93	6497718.87	3557.51	CL/EC
48	1832966.57	6497728.73	3557.31	EC
49	1832993.37	6497707.03	3556.07	FG
50	1832995.67	6497720.84	3555.79	FG
54	1833102.08	6497703.10	3558.31	FG
55	1833099.78	6497689.29	3558.59	FG
56	1833132.17	6497701.12	3560.22	FG
57	1833128.88	6497681.39	3559.82	FG
58	1833130.52	6497691.26	3560.02	CL/BC
59	1833176.90	6497663.94	3563.86	BC
60	1833181.97	6497672.55	3564.06	CL/EC
61	1833187.05	6497681.17	3564.26	BC

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C2	100.00	68.60	39°18'16"
C3	150.00	113.20	43°14'14"
C4	150.00	55.05	21°01'43"
L4		124.94	N5°31'57"W
L5		265.38	N33°46'19"E
L6		167.88	N9°27'56"W

EARTH QUANTITIES:
CUT: 128 CY.
FILL: 122 CY.
NET: 6 CY.
DIP SECTION EXPORT: 14 CY

DISTURBED AREA:
ROAD: 16,223 SF
TOTAL: 16,223 SF

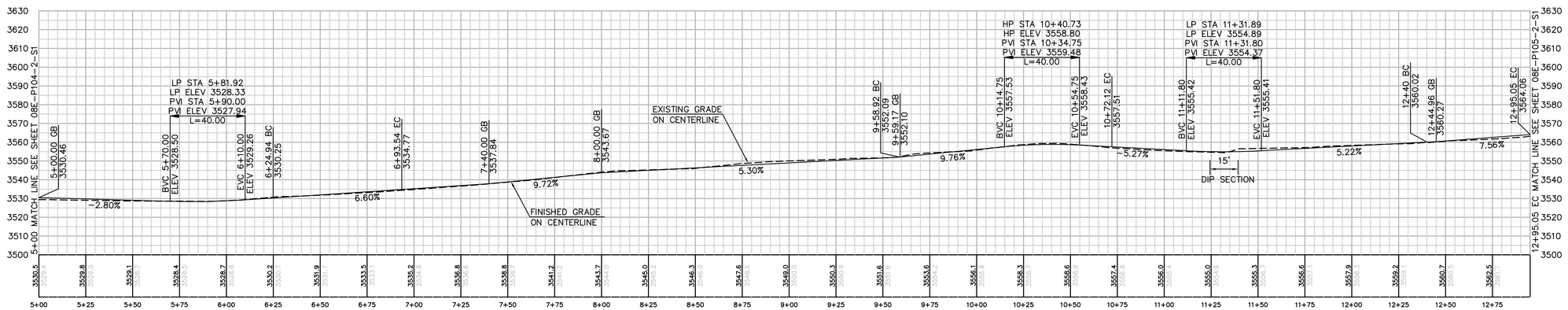
QUANITITES:
RIP RAP: 125 SF
DOWN DRAIN: 3 LF
DIP SECTION 210 SF

LENGTH OF ACCESS ROAD: 795 LF

ACCESS ROAD TO TOWER P-105-2 PLAN

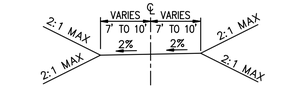
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

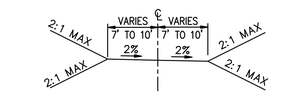


PROFILE: ACCESS ROAD TO TOWER P-105-2

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



TYPICAL ACCESS ROAD CROSS SECTION
12+40.00 TO 12+95.05
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
5+00.00 TO 12+10.00
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
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Exp.3-31-11
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STATE OF CALIFORNIA

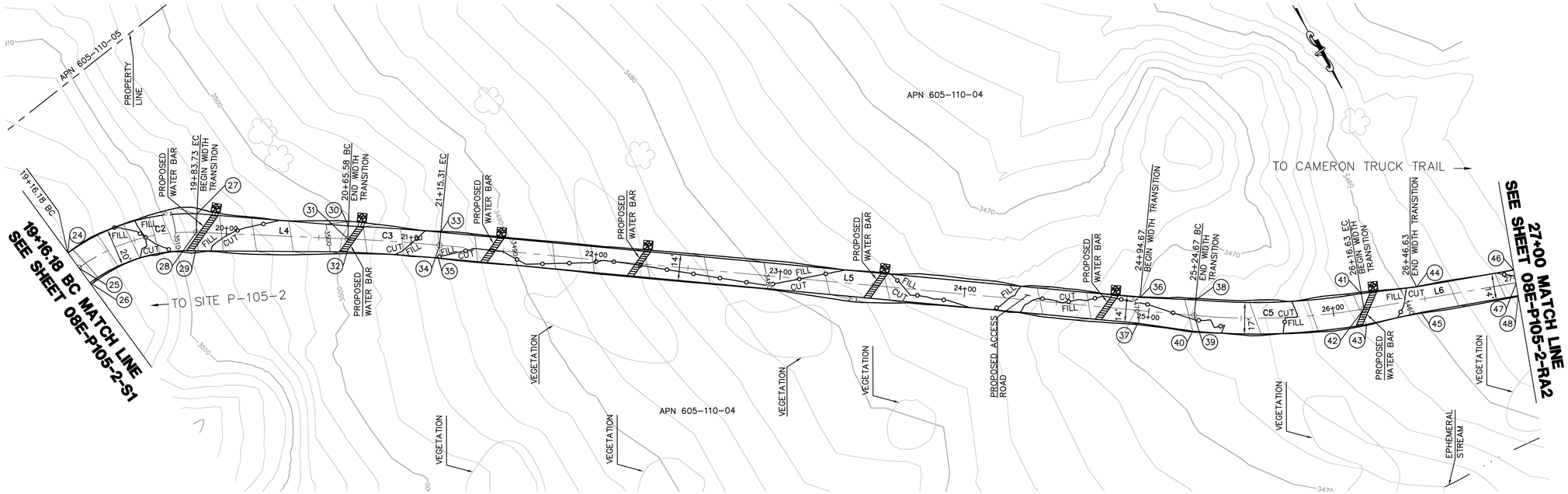
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-105-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P105-2-R1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C2	100.00	67.55	38°42'14"
C3	1000.00	49.73	2°50'57"
C5	350.00	91.95	15°03'10"
L4		81.85	N49°02'46"W
L5		409.37	N46°11'49"W
L6		83.37	N61°14'59"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
24	1833351.55	6497130.93	3518.40	BC
25	1833361.54	6497131.32	3518.64	CL/BC
26	1833371.53	6497131.71	3518.80	BC
27	1833378.39	6497063.14	3507.85	EC
28	1833385.94	6497069.70	3508.05	CL/EC
29	1833393.49	6497076.25	3508.25	EC
30	1833434.30	6497003.29	3498.81	BC
31	1833439.59	6497007.88	3498.95	CL/BC
32	1833444.87	6497012.47	3499.09	BC
33	1833468.05	6496966.31	3493.84	EC
34	1833473.10	6496971.15	3493.98	CL/EC
35	1833478.15	6496976.00	3494.12	EC
36	1833730.64	6496692.51	3469.78	FG
37	1833740.74	6496702.20	3470.06	FG
38	1833750.32	6496669.82	3467.66	BC
39	1833756.46	6496675.70	3467.83	CL/BC
40	1833762.59	6496681.59	3468.00	BC
41	1833803.26	6496597.70	3461.65	EC
42	1833810.71	6496601.79	3461.82	CL/EC
43	1833818.16	6496605.87	3461.99	EC
44	1833819.00	6496572.12	3459.34	FG
45	1833831.27	6496578.85	3459.62	FG
46	1833844.67	6496525.32	3455.18	FG
47	1833850.81	6496528.69	3455.32	CL/FG
48	1833856.95	6496532.06	3455.46	FG

EARTH QUANTITIES:
CUT: 38 CY.
FILL: 37 CY.
NET: 1 CY.

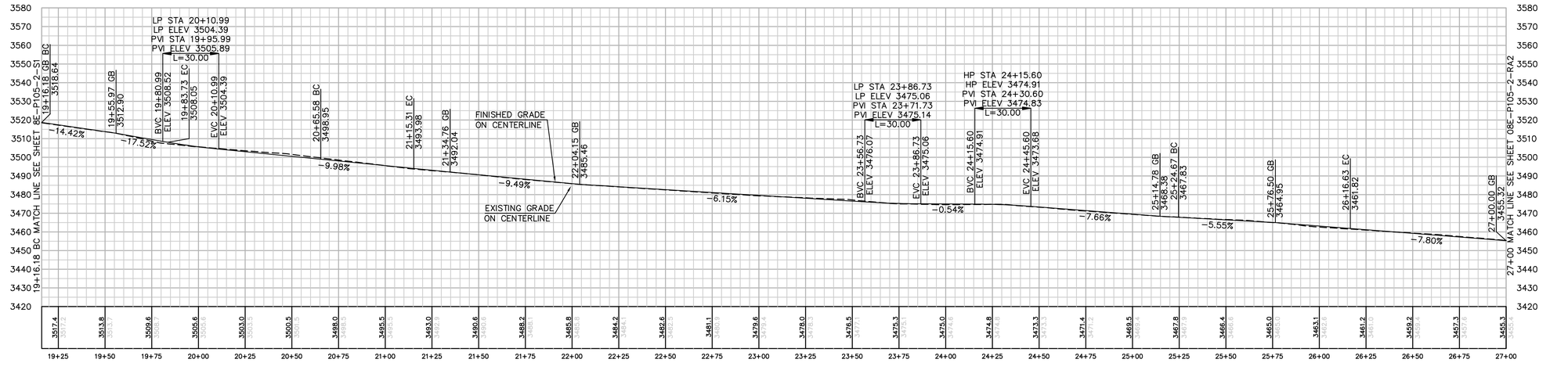
DISTURBED AREA:
ROAD: 13,199 SF
TOTAL: 13,199 SF

QUANTITIES:
RIP RAP: 175 SF
DOWN DRAIN: 6 LF

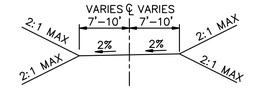
LENGTH OF ACCESS ROAD: 784 LF

ACCESS ROAD TO SITE P-105-2 PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-105-2
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 19+16.18 TO 27+00
N.T.S.

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P105-2-RA1.dwg Thu, May-25-2010 16:09

Bureau Veritas North America
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REVISIONS

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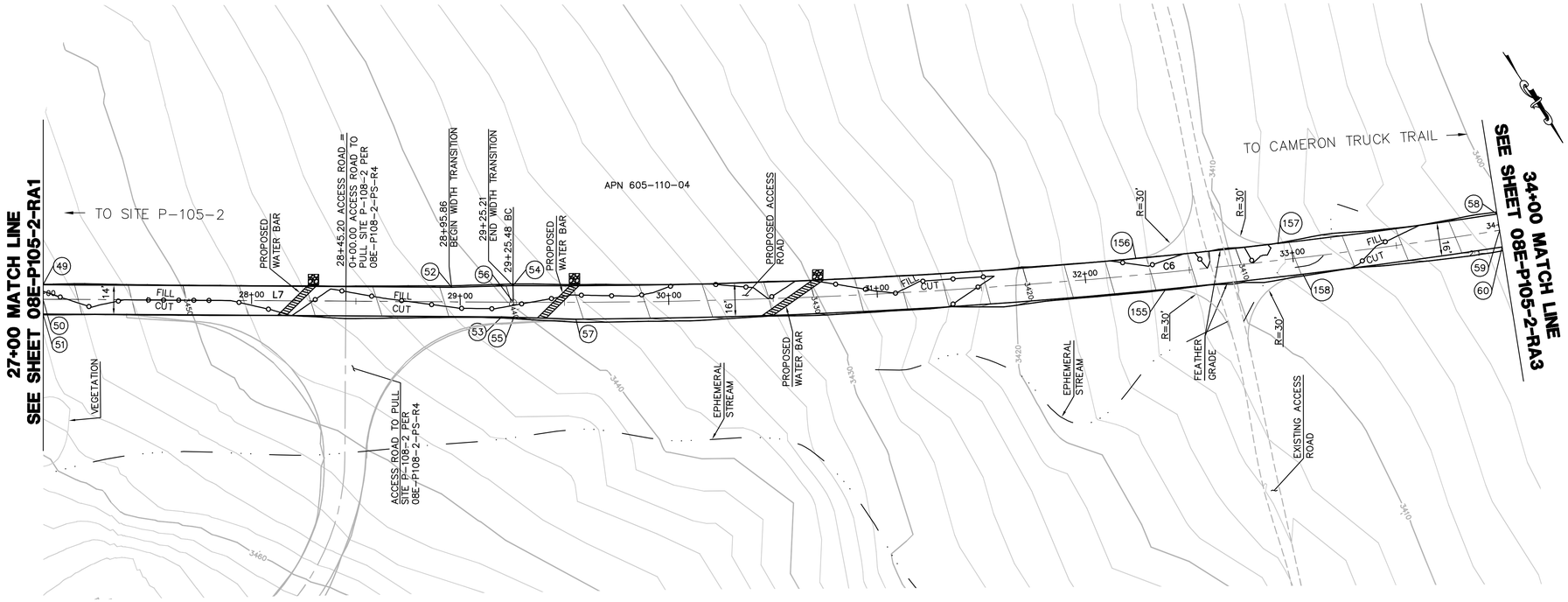
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-105-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08E-P105-2-RA1
CAD NO.:	PLOT SCALE: 1 = 1				



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C6	3000.00	474.52	9°03'46"
L7		225.48	N61°14'59"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
49	1833844.67	6496525.32	3455.18	FG
50	1833850.81	6496528.69	3455.32	CL/FG
51	1833856.95	6496532.06	3455.46	FG
52	1833938.88	6496353.61	3441.64	FG
53	1833962.76	6496339.19	3440.42	FG
54	1833952.14	6496327.40	3439.79	BC
55	1833965.64	6496334.23	3440.06	BC
56	1833959.26	6496331.01	3439.93	CL/BC
57	1833980.58	6496308.47	3438.23	FG
58	1834146.19	6495896.01	3400.18	FG
59	1834153.72	6495898.70	3400.34	CL/FG
60	1834161.26	6495901.40	3400.50	FG
155	1834102.36	6496052.95	3413.54	BC
156	1834082.65	6496058.50	3414.51	BC
157	1834108.69	6495995.23	3408.41	BC
158	1834127.36	6495991.55	3407.93	BC

EARTH QUANTITIES:
CUT: 30 CY.
FILL: 16 CY.
NET: 14 CY.

DISTURBED AREA:
ROAD: 11,520 SF
TOTAL: 11,520 SF

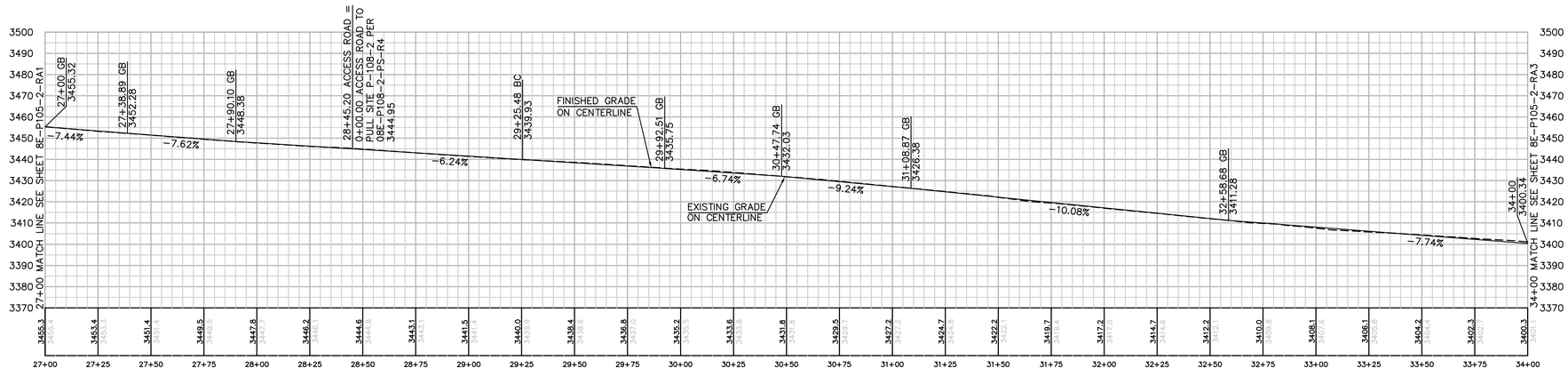
QUANTITIES:
RIP RAP: 75 SF

LENGTH OF ACCESS ROAD: 700 LF

ACCESS ROAD TO TOWER P-105-2 PLAN

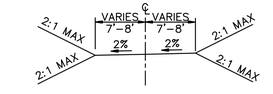
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-105-2

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 27+00 TO 34+00
N.T.S.

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P105-2-RA2.dwg[May-25-20101616

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

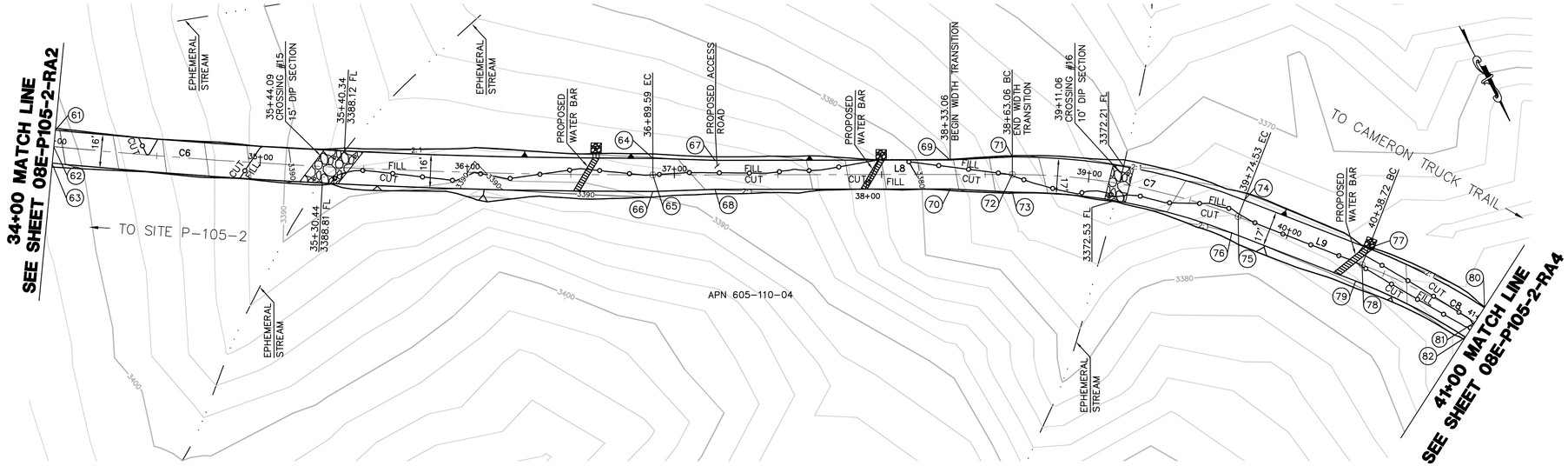
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-105-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				08E-P105-2-RA2
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C6	3000.00	764.11	14°35'36"
C7	300.00	111.47	21°17'19"
C8	300.00	155.78	29°45'03"
L8		173.47	N75°50'35"W
L9		64.19	N54°33'17"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
61	1834146.19	6495896.01	3400.18	FG
62	1834153.72	6495898.70	3400.34	CL/FG
63	1834161.26	6495901.40	3400.50	FG
64	1834230.22	6495619.80	3388.26	EC
65	1834237.98	6495621.76	3388.42	CL/EC
66	1834245.74	6495623.72	3388.58	EC
67	1834238.53	6495590.96	3387.61	FG
68	1834252.10	6495594.38	3387.89	FG
69	1834266.25	6495480.99	3378.20	FG
70	1834279.86	6495484.35	3378.47	FG
71	1834272.16	6495451.47	3374.80	BC
72	1834280.41	6495453.55	3374.97	CL/BC
73	1834288.65	6495455.63	3375.14	BC
74	1834319.97	6495348.02	3375.57	EC
75	1834326.89	6495352.95	3375.74	CL/EC
76	1834333.82	6495357.88	3375.91	EC
77	1834357.20	6495295.73	3374.74	BC
78	1834364.12	6495300.65	3374.91	CL/BC
79	1834371.05	6495305.58	3375.08	BC
80	1834398.71	6495248.46	3372.22	FG
81	1834404.49	6495254.69	3372.39	CL/FG
82	1834410.27	6495260.93	3372.56	FG

EARTH QUANTITIES:
CUT: 52 CY.
FILL: 71 CY.
NET: 19 CY.

DISTURBED AREA:
PAD: 0 SF
ROAD: 13,576 SF
TOTAL: 13,576 SF

QUANTITIES:
DIP SECTION: 430 SF
RIP RAP: 75 SF
DOWN DRAIN: 3 SF

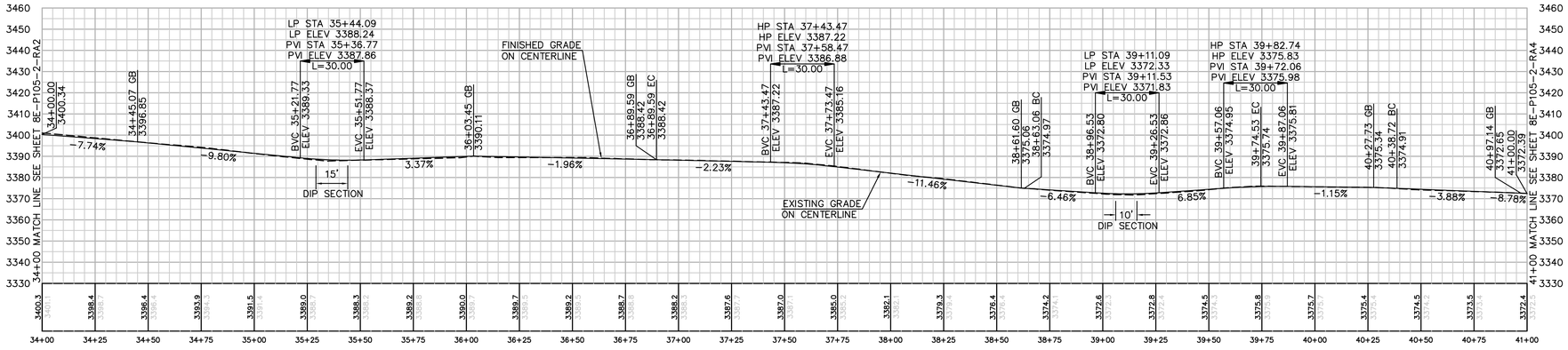
DIP SECTION EXPORT: 29 CY

LENGTH OF ACCESS ROAD: 700 LF

ACCESS ROAD TO TOWER P-105-2 PLAN

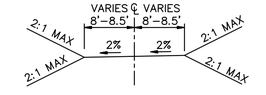
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-105-2

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



TYPICAL ACCESS ROAD CROSS SECTION
34+00 TO 41+00
N.T.S.

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P105-2-RA3.dwg [May-25-2010 16:10

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29708
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

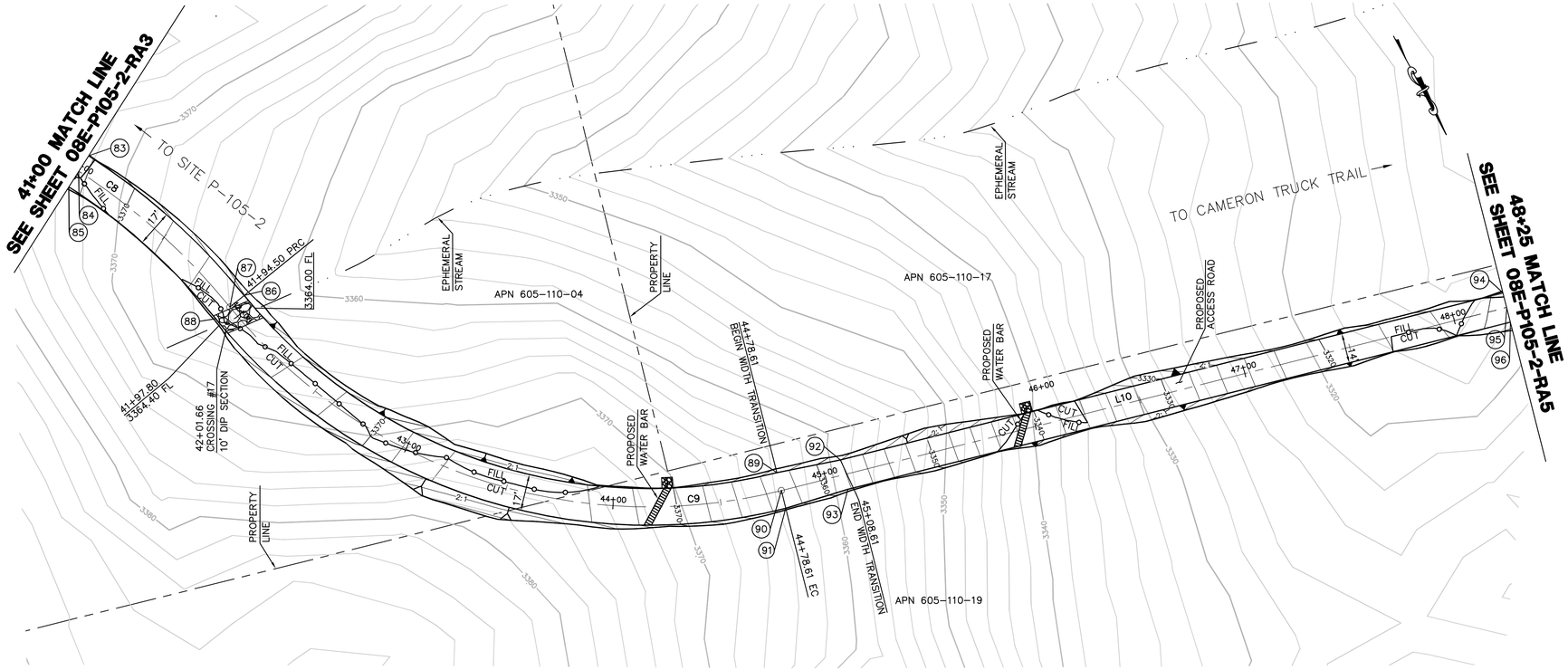
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-105-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				08E-P105-2-RA3
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C8	300.00	94.50	18°02'50"
C9	250.00	284.12	65°06'55"
L10		321.39	N89°55'13"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
83	1834398.71	6495248.46	3372.22	FG
84	1834404.49	6495254.69	3372.39	FG
85	1834410.18	6495260.83	3372.56	FG
86	1834479.10	6495194.59	3364.15	PRC
87	1834482.67	6495202.31	3364.32	CL/PRC
88	1834486.23	6495210.02	3364.49	PRC
89	1834619.29	6494975.71	3362.82	EC
90	1834627.79	6494975.72	3362.99	CL/EC
91	1834636.29	6494975.73	3363.16	EC
92	1834620.83	6494945.71	3358.04	FG
93	1834634.83	6494945.73	3358.32	FG
94	1834621.27	6494629.33	3316.25	FG
95	1834628.27	6494629.34	3316.39	FG
96	1834635.27	6494629.35	3316.53	FG

EARTH QUANTITIES:
CUT: 116 CY.
FILL: 97 CY.
NET: 19 CY.
DIP SECTION EXPORT: 12 CY

DISTURBED AREA:
ROAD: 14,323 SF
TOTAL: 14,323 SF

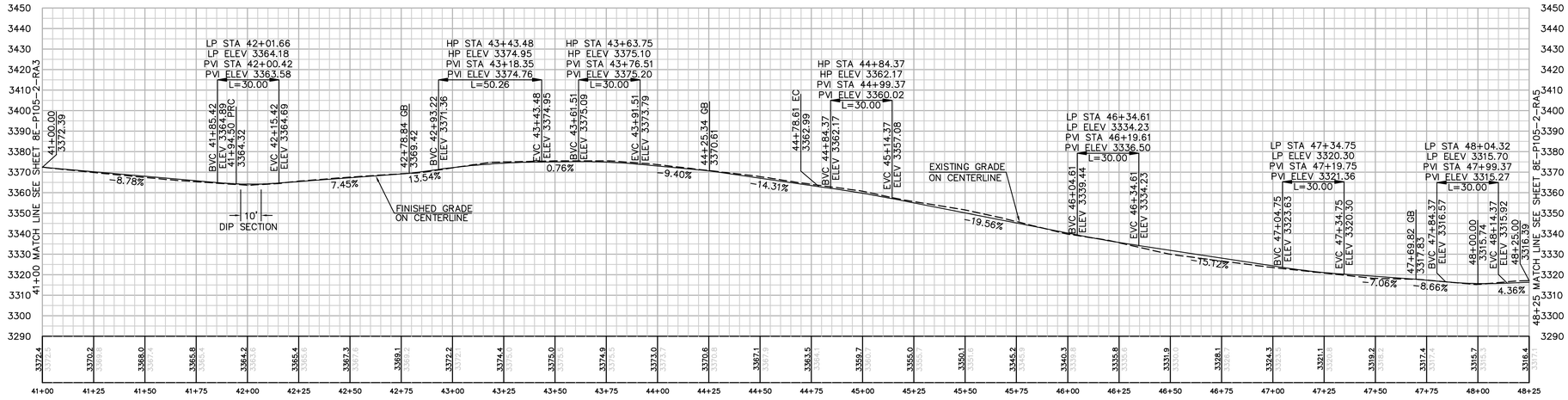
QUANTITIES:
DIP SECTION: 178 SF
RIP RAP: 50 SF

LENGTH OF ACCESS ROAD: 725 LF

ACCESS ROAD TO TOWER P-105-2 PLAN

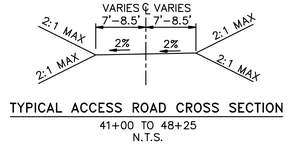
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-105-2

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



TYPICAL ACCESS ROAD CROSS SECTION
41+00 TO 48+25
N.T.S.

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P105-2-RA4.dwg[May-25-20101611

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29708
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

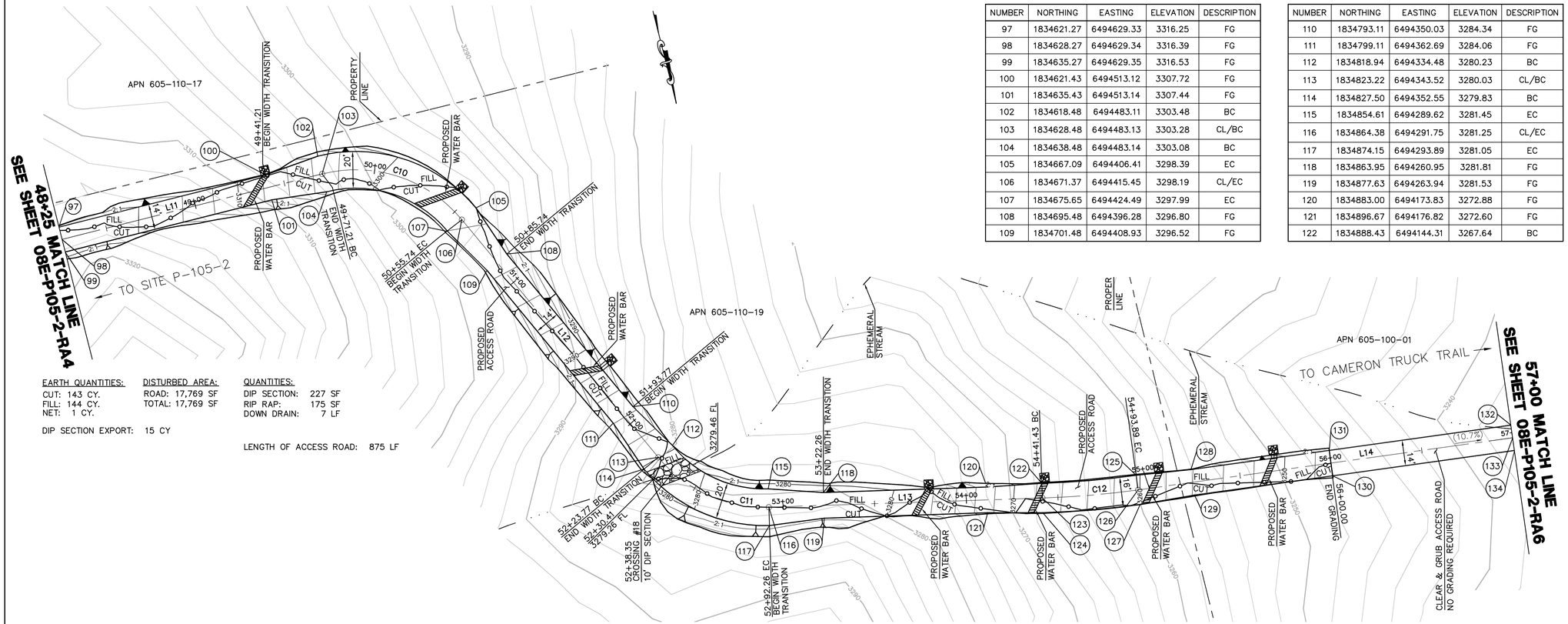
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-105-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P105-2-RA4
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
97	1834621.27	6494629.33	3316.25	FG
98	1834628.27	6494629.34	3316.39	FG
99	1834635.27	6494629.35	3316.53	FG
100	1834621.43	6494513.12	3307.72	FG
101	1834635.43	6494513.14	3307.44	FG
102	1834618.48	6494483.11	3303.48	BC
103	1834628.48	6494483.13	3303.28	CL/BC
104	1834638.48	6494483.14	3303.08	BC
105	1834667.09	6494406.41	3298.39	EC
106	1834671.37	6494415.45	3298.19	CL/EC
107	1834675.65	6494424.49	3297.99	EC
108	1834695.48	6494396.28	3296.80	FG
109	1834701.48	6494408.93	3296.52	FG

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
110	1834793.11	6494350.03	3284.34	FG
111	1834799.11	6494362.69	3284.06	FG
112	1834818.94	6494334.48	3280.23	BC
113	1834823.22	6494343.52	3280.03	CL/BC
114	1834827.50	6494352.55	3279.83	BC
115	1834854.61	6494289.62	3281.45	EC
116	1834864.38	6494291.75	3281.25	CL/EC
117	1834874.15	6494293.89	3281.05	EC
118	1834863.95	6494260.95	3281.81	FG
119	1834877.63	6494263.94	3281.53	FG
120	1834883.00	6494173.83	3272.88	FG
121	1834896.67	6494176.82	3272.60	FG
122	1834888.43	6494144.31	3267.64	BC

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
123	1834896.24	6494146.02	3267.48	CL/BC
124	1834904.06	6494147.73	3267.32	BC
125	1834896.79	6494093.40	3260.30	EC
126	1834904.74	6494094.28	3260.14	CL/EC
127	1834912.69	6494095.16	3259.98	EC
128	1834901.08	6494063.69	3256.14	FG
129	1834915.00	6494065.23	3255.86	BC
130	1834923.38	6493989.58	(3246.83)	FG
131	1834909.46	6493988.04	(3247.11)	FG
132	1834920.47	6493888.65	(3236.49)	EG
133	1834927.43	6493889.42	(3236.59)	EG
134	1834934.39	6493890.19	(3236.97)	EG

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L11		146.21	N89°55'13"W
C10	75.00	84.53	64°34'23"
L12		168.03	N25°20'50"W
C11	75.00	68.49	52°19'17"
L13		149.17	N77°40'07"W
C12	500.00	52.46	6°00'41"
L14		206.11	N83°40'47"W

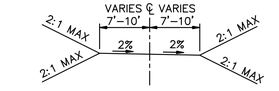
EARTH QUANTITIES:
CUT: 143 CY.
FILL: 144 CY.
NET: 1 CY.

DISTURBED AREA:
ROAD: 17,769 SF
TOTAL: 17,769 SF

QUANTITIES:
DIP SECTION: 227 SF
RIP RAP: 175 SF
DOWN DRAIN: 7 LF

DIP SECTION EXPORT: 15 CY

LENGTH OF ACCESS ROAD: 875 LF

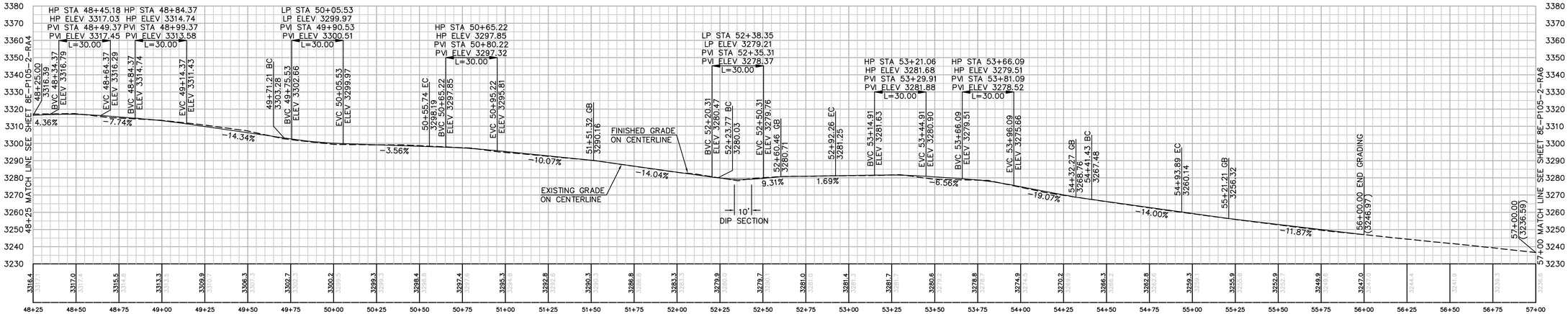


TYPICAL ACCESS ROAD CROSS SECTION
STA 48+25.00 TO 57+00.00
N.T.S.

ACCESS ROAD TO TOWER P-105-2 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-105-2

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

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29708
Exp. 3-31-17
CIVIL
STATE OF CALIFORNIA

REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-105-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P105-2-RA5
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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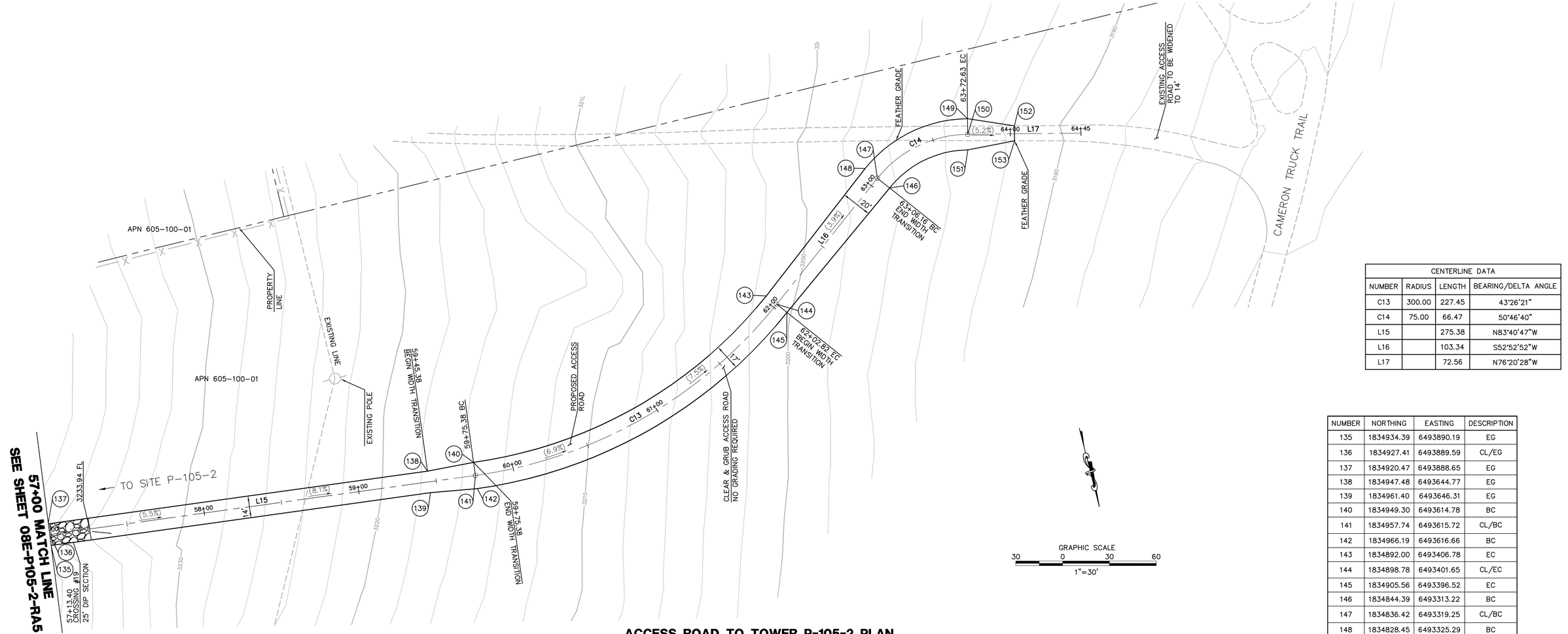


CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C13	300.00	227.45	43°26'21"
C14	75.00	66.47	50°46'40"
L15		275.38	N83°40'47"W
L16		103.34	S52°52'52"W
L17		72.56	N76°20'28"W

NUMBER	NORTHING	EASTING	DESCRIPTION
135	1834934.39	6493890.19	EG
136	1834927.41	6493889.59	CL/EG
137	1834920.47	6493888.65	EG
138	1834947.48	6493644.77	EG
139	1834961.40	6493646.31	EG
140	1834949.30	6493614.78	BC
141	1834957.74	6493615.72	CL/BC
142	1834966.19	6493616.66	BC
143	1834892.00	6493406.78	EC
144	1834898.78	6493401.65	CL/EC
145	1834905.56	6493396.52	EC
146	1834844.39	6493313.22	BC
147	1834836.42	6493319.25	CL/BC
148	1834828.45	6493325.29	BC
149	1834813.63	6493253.92	EC
150	1834823.34	6493256.28	CL/EC
151	1834833.06	6493258.64	EC
152	1834825.48	6493225.90	EG
153	1834834.78	6493228.21	EG

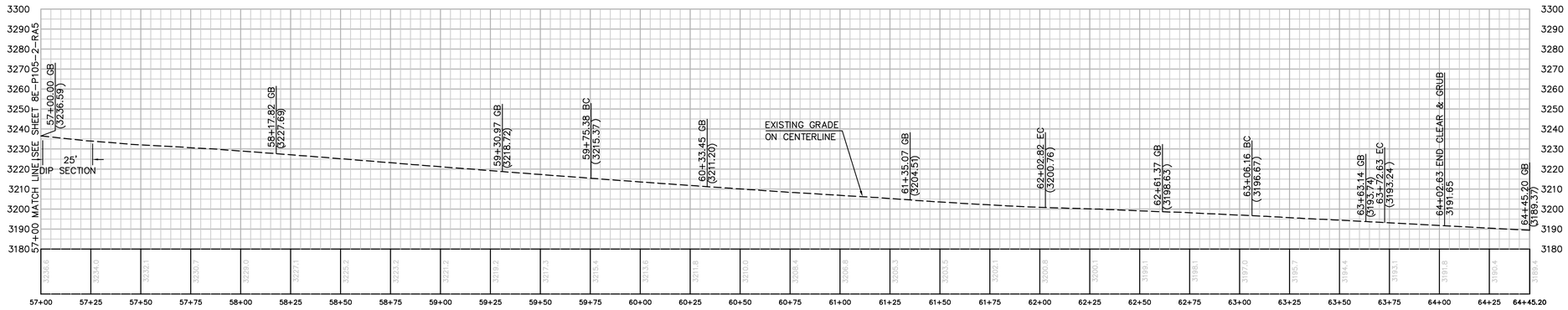
EARTH QUANTITIES:
CUT: 0 CY.
FILL: 0 CY.
NET: 0 CY.
DIP SECTION EXPORT: 44 CY

DISTURBED AREA:
ROAD: 4,403 SF
TOTAL: 4,403 SF

QUANTITIES:
DIP SECTION: 648 SF
LENGTH OF ACCESS ROAD: 703 LF

ACCESS ROAD TO TOWER P-105-2 PLAN

SCALE: 1" = 30'



PROFILE: ACCESS ROAD TO TOWER P-105-2

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

Bureau Veritas North America
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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — RCE 29708 — Exp.3-31-17 — CIVIL — STATE OF CALIFORNIA

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
ACCESS ROAD TO SITE P-105-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		08E-P105-2-RA6
CAD NO.:	PLOT SCALE: 1 = 1		

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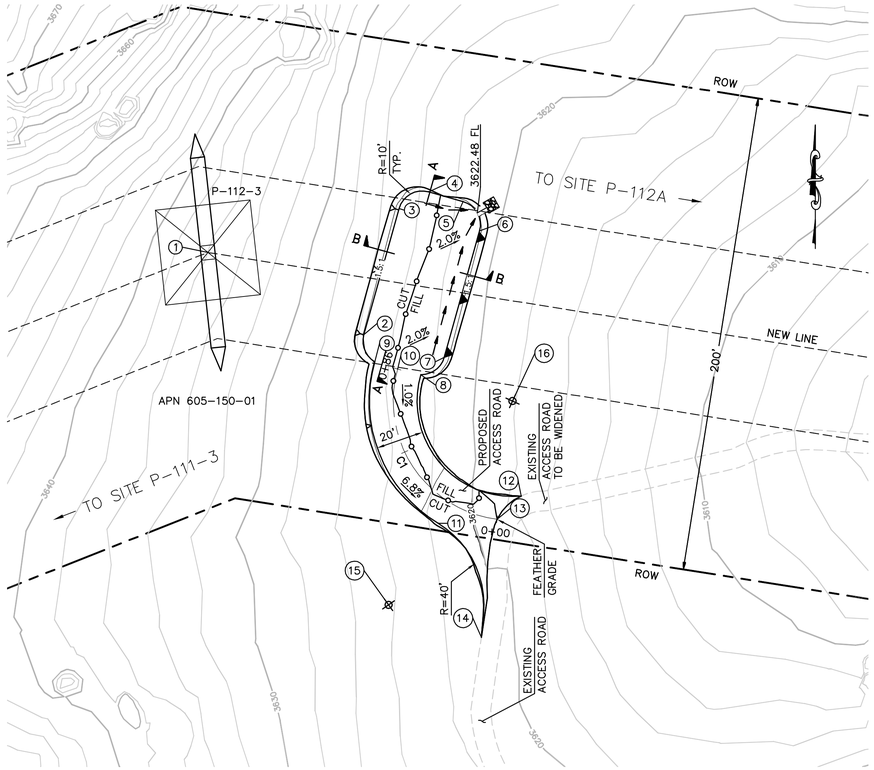
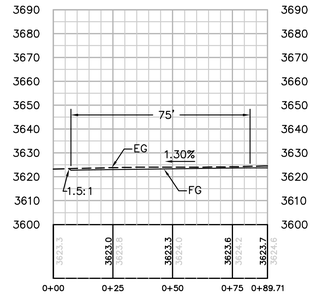


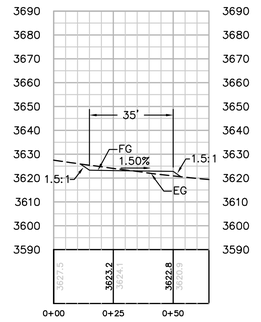
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-112-3	500 KV EXMD Lattice Dead End Tower	30.64	162.75

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA
C1	50.00'	85.71'	98°13'10"

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1838225.16	6503804.71	(3637.41)	P-112-3
2	1838190.66	6503870.06	3623.77	FG
3	1838243.63	6503884.87	3623.06	FG
4	1838250.57	6503897.19	3622.78	FG
5	1838246.53	6503911.64	3622.55	FG
6	1838234.20	6503918.58	3622.53	FG
7	1838181.24	6503903.77	3623.25	FG
8	1838173.93	6503893.94	3623.48	FG
9	1838179.32	6503874.67	3623.77	FG
10	1838176.32	6503884.22	3623.64	CL/BC
11	1838111.59	6503901.20	3621.21	PRC
12	1838123.02	6503936.02	(3617.23)	EC
13	1838113.27	6503925.93	(3618.73)	CL/EC
14	1838063.84	6503919.31	(3620.78)	EC
15	1838077.41	6503880.41		RP
16	1838162.85	6503932.37		RP



SECTION A-A
HORIZ. & VERT. SCALE: 1" = 30'



SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'

EARTH QUANTITIES:
CUT: 70 CY.
FILL: 58 CY.
NET: 12 CY.

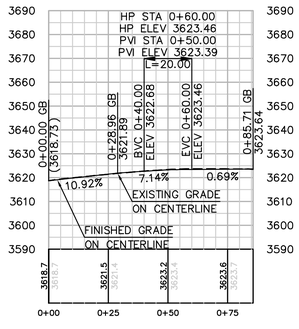
DISTURBED AREA:
PAD: 3,121 SF
ROAD: 2,076 SF
TOTAL: 5,197 SF

QUANTITIES:
DOWN DRAIN: 4 LF
RIP RAP: 25 SF

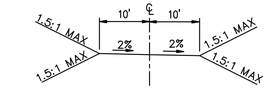
LENGTH OF ACCESS ROADS: 86 LF

TOWER P-112-3 PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-112-3
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 00+00.00 TO 0+85.71
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. 29708 — Exp. 3-31-17 — CIVIL — STATE OF CALIFORNIA

REVISIONS

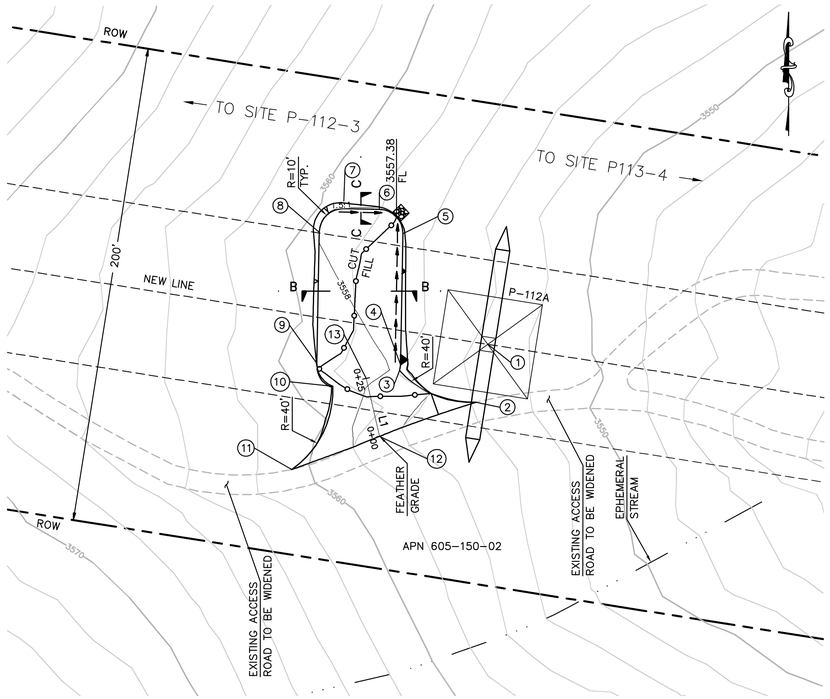
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-112-3

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				08E-P112-3-S1
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

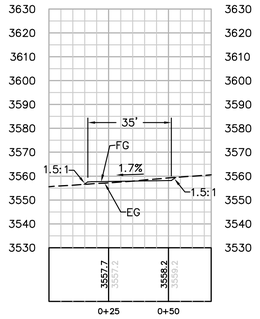
P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P112-3-S1.dwg[DMay-25-2010]6:25



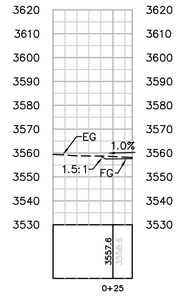
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-112A	500 KV EXMT Lattice Tangent Tower	0.00	112.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1838072.49	6504765.55	(3553.64)	P-112A
2	1838048.22	6504760.61	(3553.89)	BC
3	1838061.46	6504728.62	3557.76	EC
4	1838063.89	6504728.96	3557.92	FG
5	1838118.88	6504729.95	3557.33	FG
6	1838129.06	6504720.13	3557.42	FG
7	1838129.33	6504705.14	3557.69	FG
8	1838119.51	6504694.96	3557.96	FG
9	1838064.52	6504693.97	3558.48	FG
10	1838054.93	6504700.57	3558.37	EC
11	1838020.02	6504683.42	(3560.70)	BC
12	1838033.94	6504720.24	(3556.87)	CL
13	1838058.20	6504714.60	3557.22	CL

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		24.91	S13°06'06"E



SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



SECTION C-C
HORIZ. & VERT. SCALE: 1" = 30'

EARTH QUANTITIES:
CUT: 41 CY.
FILL: 38 CY.
NET: 3 CY.

DISTURBED AREA:
PAD: 2,735 SF
ROAD: 1,190 SF
TOTAL: 3,925 SF

QUANTITIES:
RIP RAP: 25 SF

LENGTH OF ACCESS ROADS: 25 LF

TOWER P-112A PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — ROE 29708 — Exp.3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

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

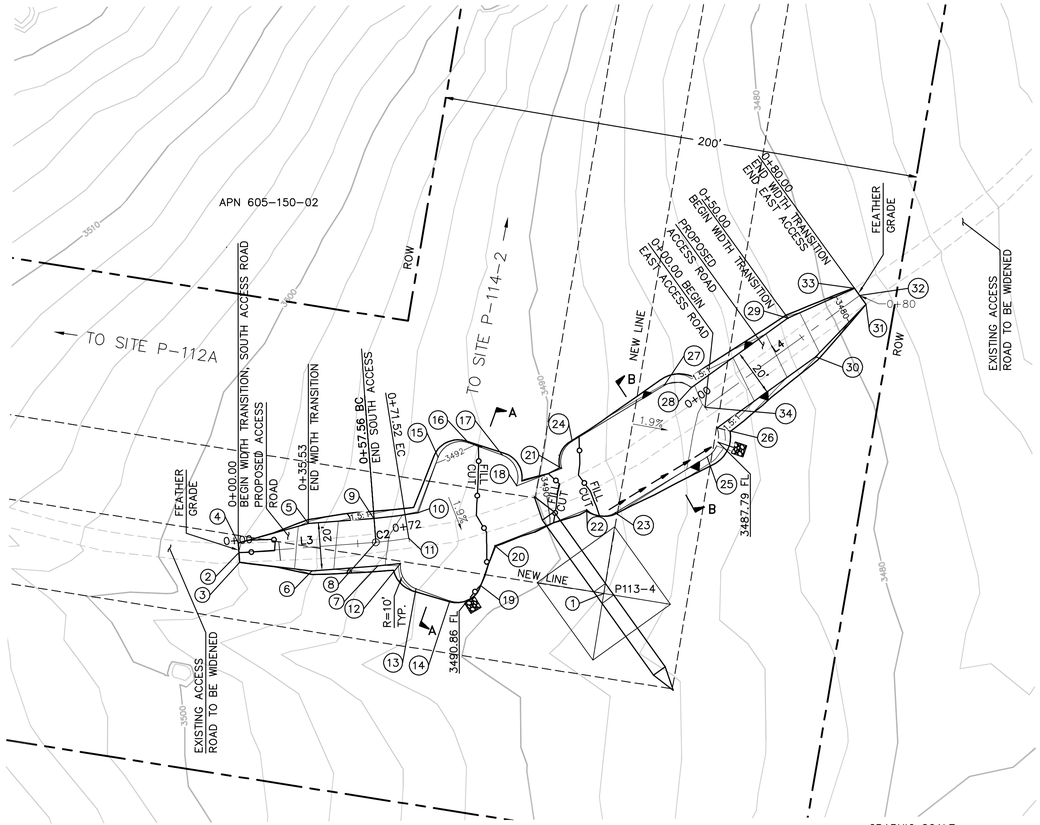
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
SITE P-112A

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08E-P112A-S1
CAD NO.:	PLOT SCALE: 1 = 1				

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\08E-P112-A-S1.dwg Mon May-25-2010 16:26

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-113-4	500 KV EXHD Lattice Dead-End Tower	-89.41	123.75



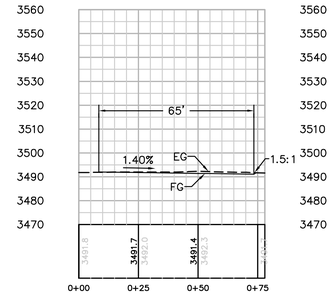
EARTH QUANTITIES:	DISTURBED AREA:	QUANTITIES:
CUT: 114 CY.	PAD: 4,969 SF	RIP RAP: 50 SF
FILL: 229 CY.	ROAD: 3,718 SF	DOWN DRAIN: 7 LF
NET: 115 CY.	TOTAL: 8,687 SF	

LENGTH OF ACCESS ROADS: 152 LF

TOWER P-113-4 PLAN

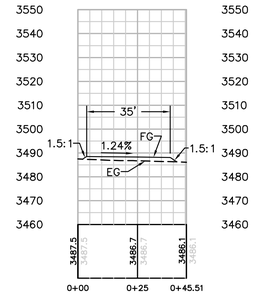
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



SECTION A-A

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

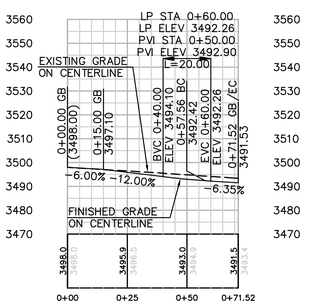


SECTION B-B

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

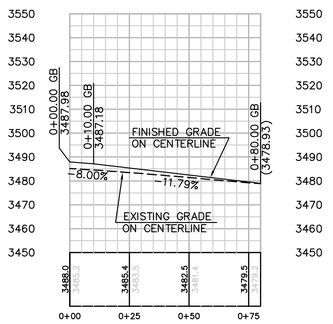
CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L3		57.56	N85°38'53"E
C2	170.06	13.96	4°42'10"
L4		80.00	N54°09'48"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1837924.11	6505699.41	(3488.31)	P-113-4
2	1837941.22	6505546.44	(3498.00)	CL/EG
3	1837937.18	6505546.74	(3497.91)	EG
4	1837945.20	6505546.13	(3498.08)	EG
5	1837953.47	6505575.59	3495.50	FG
6	1837933.53	6505577.11	3495.10	FG
7	1837935.63	6505604.65	3492.22	BC
8	1837945.59	6505603.83	3492.42	CL/BC
9	1837955.56	6505603.01	3492.63	BC
10	1837957.95	6505621.55	3491.69	FG
11	1837947.22	6505617.69	3491.53	CL/EC
12	1837936.65	6505614.16	3491.37	FG
13	1837926.08	6505620.71	3491.18	FG
14	1837921.00	6505634.82	3490.97	FG
15	1837981.22	6505629.92	3492.04	FG
16	1837987.24	6505642.72	3492.04	FG
17	1837982.16	6505656.83	3491.83	FG
18	1837969.37	6505662.86	3491.61	FG
19	1837927.46	6505647.79	3490.98	FG
20	1837944.16	6505653.79	3491.23	FG
21	1837976.57	6505681.74	3488.97	FG
22	1837959.22	6505692.30	3488.67	FG
23	1837957.98	6505704.30	3488.49	FG
24	1837987.91	6505686.15	3488.93	FG
25	1837981.32	6505742.78	3487.86	FG
26	1837993.50	6505746.91	3487.84	FG
27	1838011.25	6505724.63	3488.29	FG
28	1838010.41	6505736.17	3488.12	FG
29	1838039.54	6505776.51	3482.66	FG
30	1838023.33	6505788.22	3482.26	FG
31	1838045.37	6505809.31	(3478.84)	EG
32	1838049.00	6505806.69	(3478.93)	CL/EG
33	1838052.03	6505804.50	(3479.00)	EG
34	1838002.16	6505741.83	3487.98	CL/FG



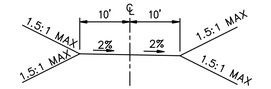
PROFILE: ACCESS ROAD TO TOWER P-113-4 SOUTH

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



PROFILE: ACCESS ROAD TO TOWER P-113-4 EAST

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



TYPICAL ACCESS ROAD CROSS SECTION
SOUTH ACCESS STA 0+00.00 TO 0+71.52
EAST ACCESS STA 0+00.00 TO 0+80.00
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — RCE 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

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

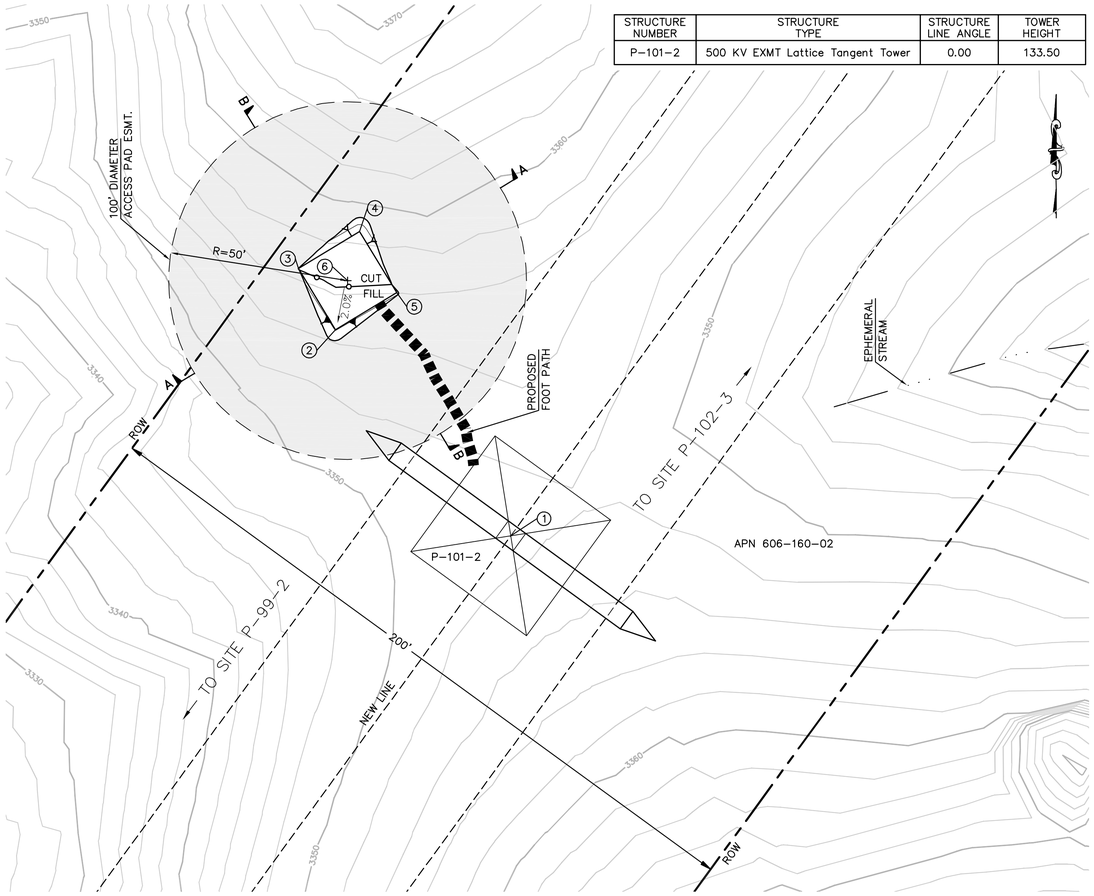
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)

SITE P-113-4

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P113-4-S1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-101-2	500 KV EXMT Lattice Tangent Tower	0.00	133.50



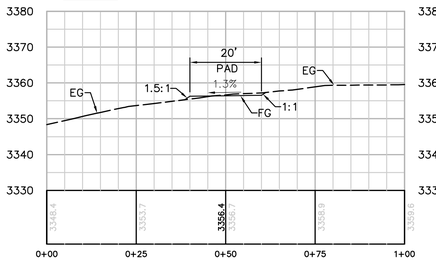
EARTH QUANTITIES:
CUT: 7 CY
FILL: 5 CY
NET: 2 CY

DISTURBED AREA:
PAD: 550 SF
TOTAL: 550 SF

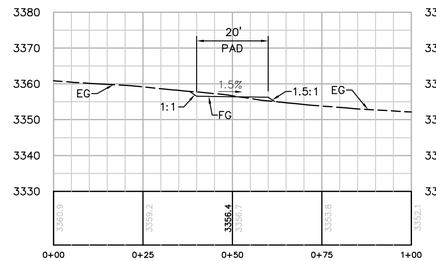
TOWER STAGING/ACCESS PAD FOR TOWER P-101-2
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.



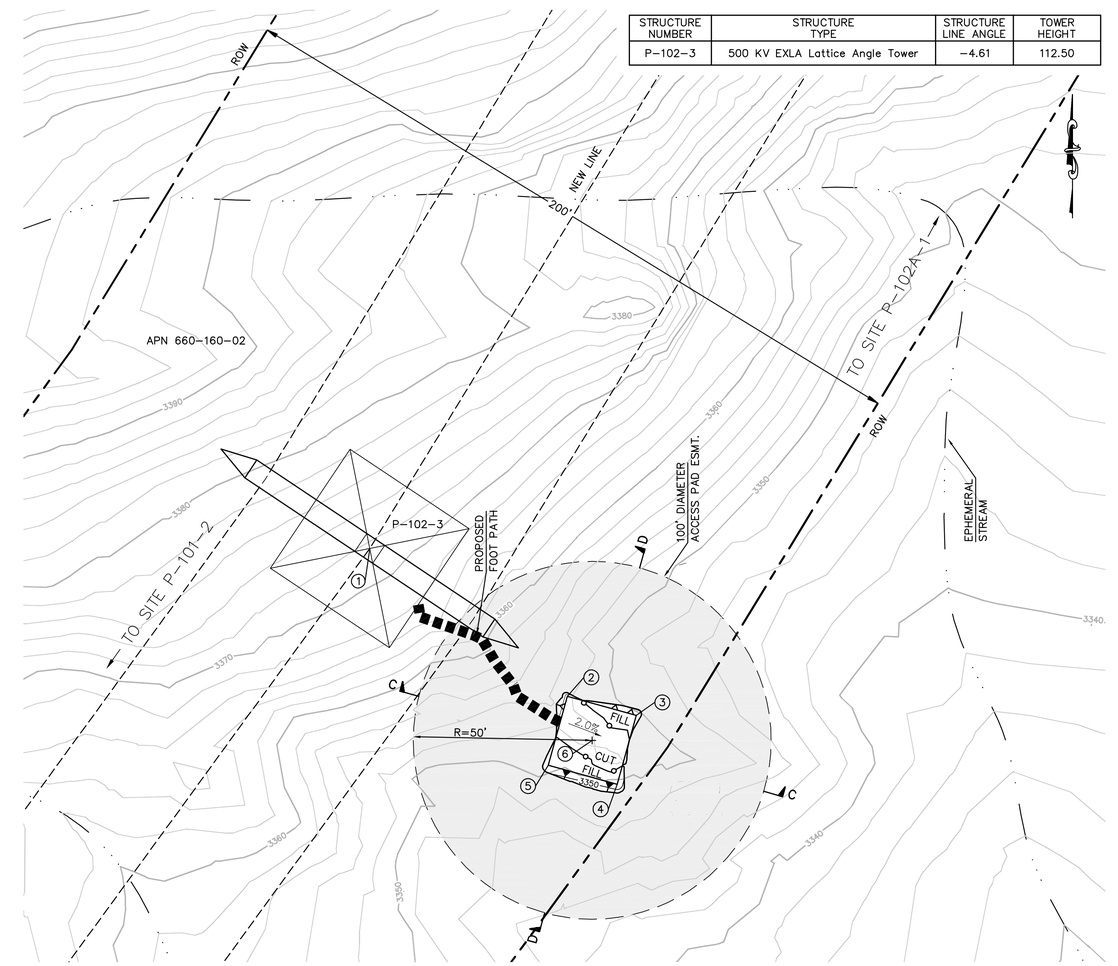
SECTION A-A
HORIZ. & VERT. SCALE: 1"=20'



SECTION B-B
HORIZ. & VERT. SCALE: 1"=20'

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1828669.10	6495853.74	(3350.22)	P-101-2
2	1828726.71	6495804.75	3356.13	FG
3	1828743.81	6495794.38	3356.43	FG
4	1828754.18	6495811.48	3356.70	FG
5	1828737.08	6495821.85	3356.40	FG
6	1828740.45	6495808.11		RP

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-102-3	500 KV EXLA Lattice Angle Tower	-4.61	112.50



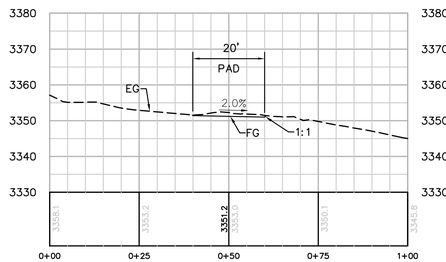
EARTH QUANTITIES:
CUT: 7 CY
FILL: 5 CY
NET: 2 CY

DISTURBED AREA:
PAD: 516 SF
TOTAL: 516 SF

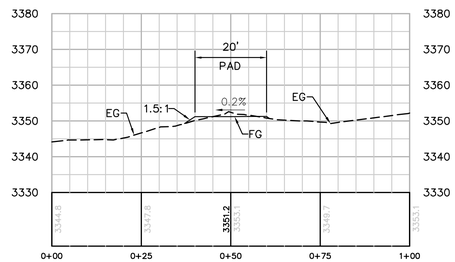
TOWER STAGING/ACCESS PAD FOR TOWER P-102-3
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.



SECTION C-C
HORIZ. & VERT. SCALE: 1"=20'



SECTION D-D
HORIZ. & VERT. SCALE: 1"=20'

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1829502.04	6496459.72	(3370.68)	P-102-3
2	1829460.71	6496514.91	3351.43	FG
3	1829455.41	6496534.19	3351.03	FG
4	1829436.12	6496528.89	3350.99	FG
5	1829441.43	6496509.60	3351.39	FG
6	1829448.42	6496521.90		RP

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
RCE 29708
Exp.3-31-11
CIVIL
STATE OF CALIFORNIA

REVISIONS

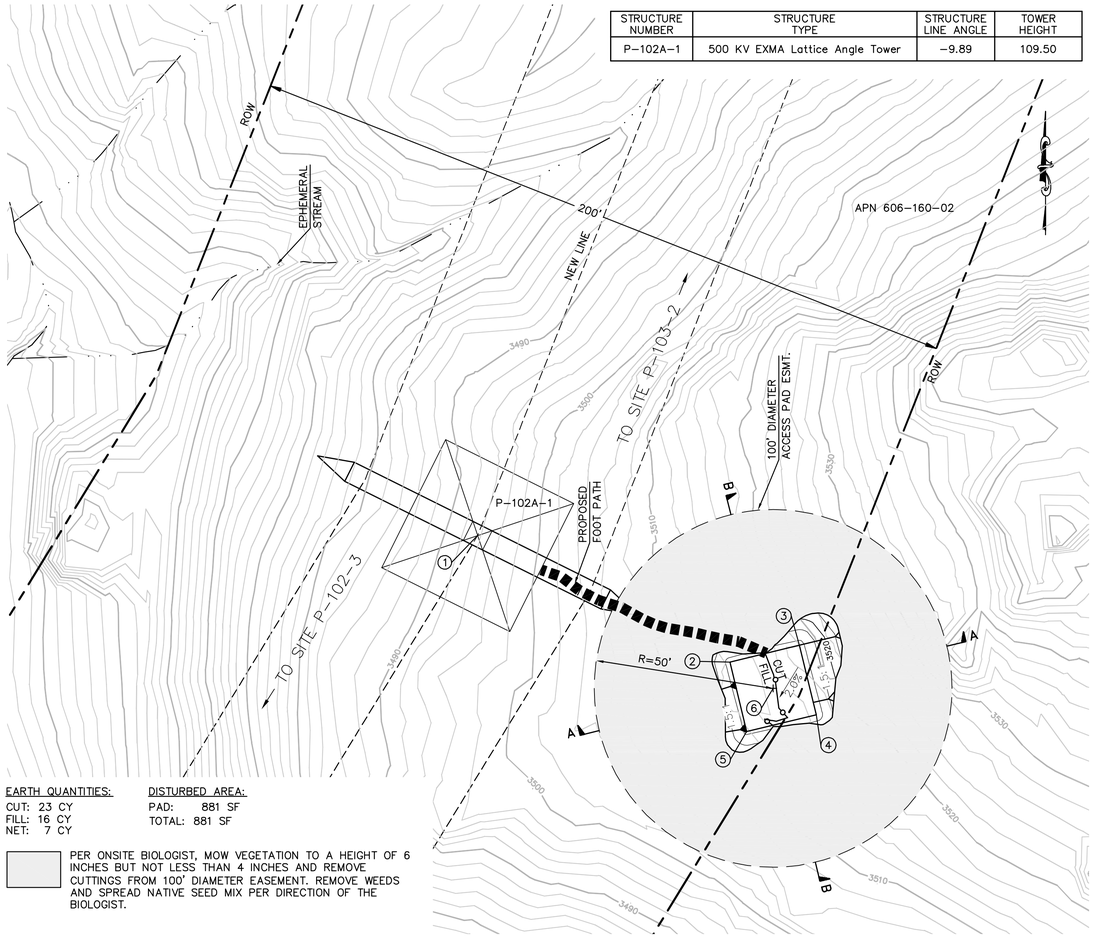
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-101-2 & P-102-3

DRAWN BY: JO	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08E-P101-2 & P102-3-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-102A-1	500 KV EXMA Lattice Angle Tower	-9.89	109.50



EARTH QUANTITIES:
CUT: 23 CY
FILL: 16 CY
NET: 7 CY

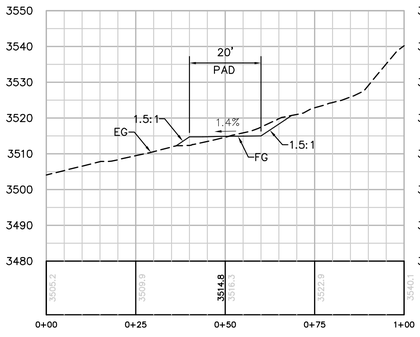
DISTURBED AREA:
PAD: 881 SF
TOTAL: 881 SF

PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

TOWER STAGING/ACCESS PAD FOR TOWER P-102A-1

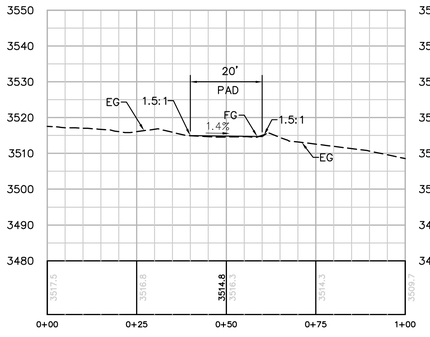
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'



SECTION A-A

HORIZ. & VERT. SCALE: 1"=20'

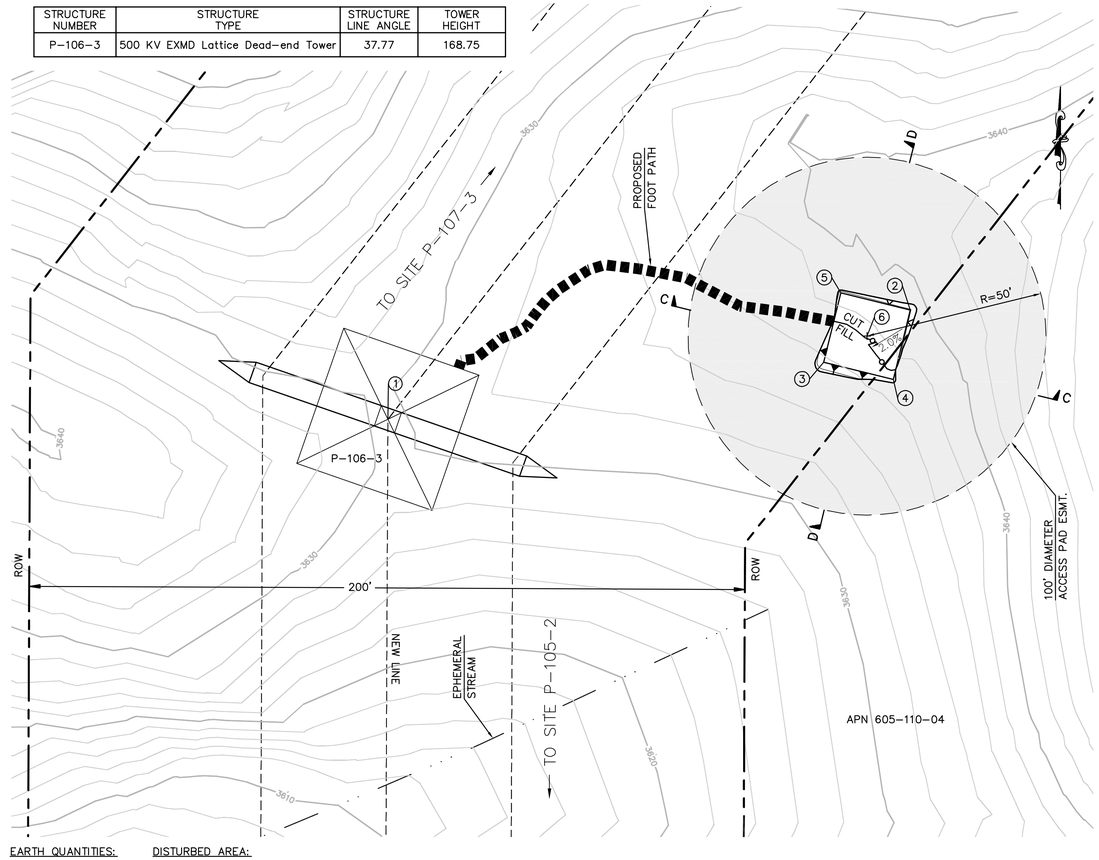


SECTION B-B

HORIZ. & VERT. SCALE: 1"=20'

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1830310.85	6496953.96	(3493.32)	P-102A-1
2	1830275.48	6497024.44	3514.83	FG
3	1830280.21	6497043.88	3515.11	FG
4	1830260.77	6497048.60	3514.83	FG
5	1830256.05	6497029.17	3514.55	FG
6	1830268.13	6497036.52		RP

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-106-3	500 KV EXMD Lattice Dead-end Tower	37.77	168.75



EARTH QUANTITIES:
CUT: 7 CY
FILL: 5 CY
NET: 2 CY

DISTURBED AREA:
PAD: 508 SF
TOTAL: 508 SF

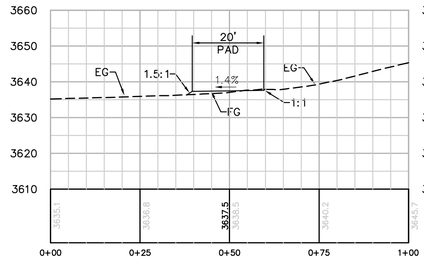
TOWER STAGING/ACCESS PAD FOR TOWER P-106-3

SCALE: 1" = 20'

PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

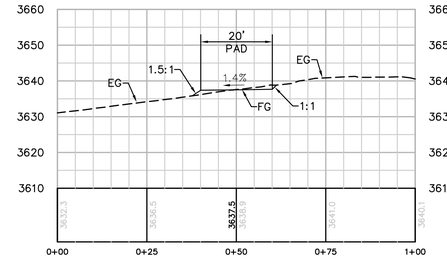
GRAPHIC SCALE
20 0 20 40
1"=20'

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1834325.55	6497434.82	(3629.28)	P-106-3
2	1834356.12	6497580.82	3637.81	FG
3	1834341.47	6497556.62	3637.25	FG
4	1834336.70	6497576.04	3637.53	FG
5	1834360.89	6497561.39	3637.53	FG
6	1834348.80	6497568.72		RP



SECTION C-C

HORIZ. & VERT. SCALE: 1"=20'



SECTION D-D

HORIZ. & VERT. SCALE: 1"=20'

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\Helipads\08E-P102A-1 & P106-3 TSAP.dwg[TMay-25-2010]3:26

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

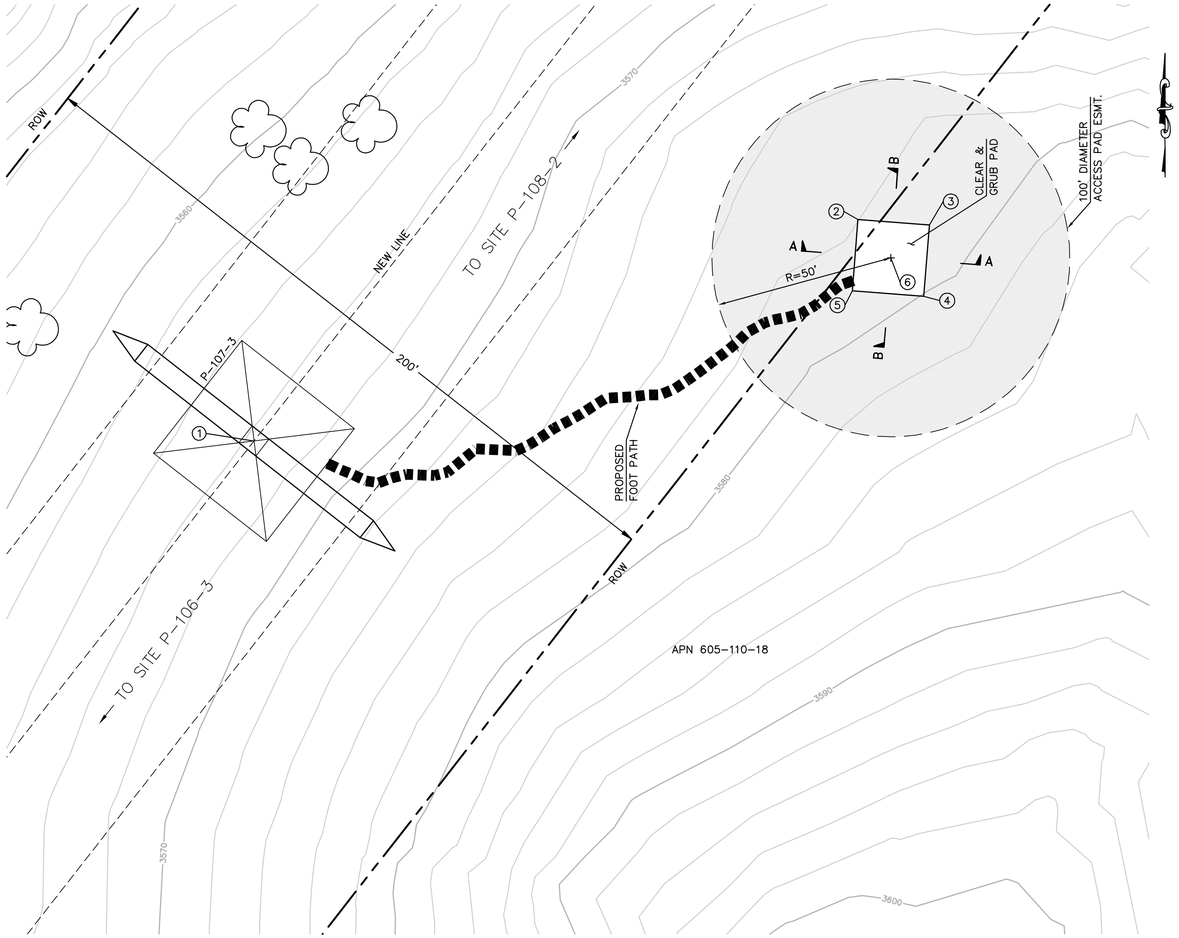
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)

TOWER STAGING/ACCESS PAD FOR SITE P-102A-1 & P-106-3

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08E-P102A-1 & P106-3-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



EARTH QUANTITIES:
CUT: 0 CY
FILL: 0 CY
NET: 0 CY

DISTURBED AREA:
PAD: 400 SF
TOTAL: 400 SF

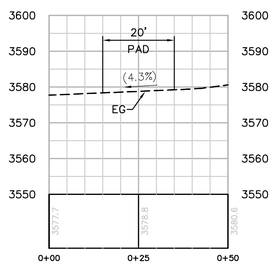
TOWER STAGING/ACCESS PAD FOR TOWER P-107-3

SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

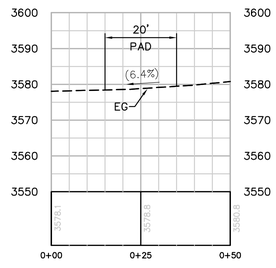
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-107-3	500 KV EXMT Lattice Tangent Tower	0.00	127.50



SECTION A-A

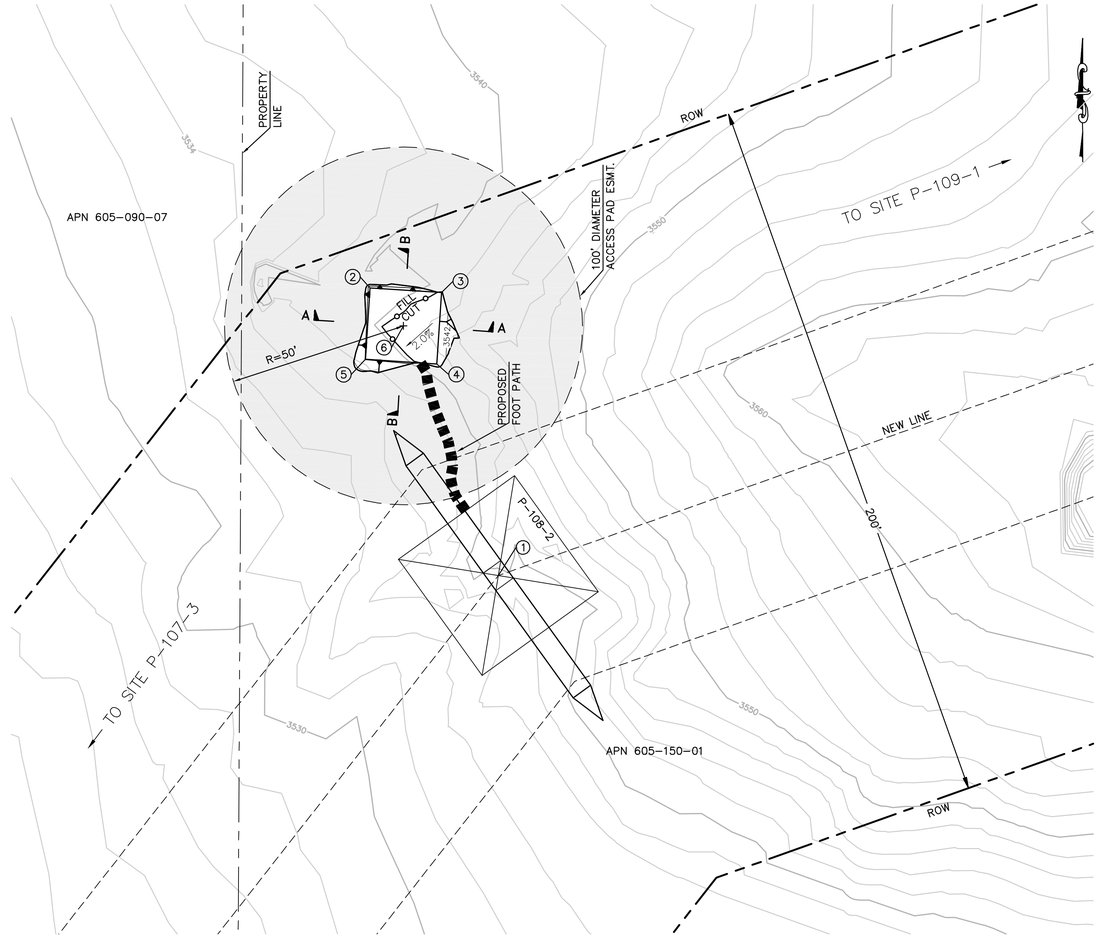
HORIZ. & VERT. SCALE: 1"=20'



SECTION B-B

HORIZ. & VERT. SCALE: 1"=20'

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1835361.24	6498244.57	(3565.53)	P-107-3
2	1835423.14	6498413.36	(3577.99)	EG
3	1835421.58	6498433.30	(3578.86)	EG
4	1835401.64	6498431.74	(3580.08)	EG
5	1835403.20	6498411.80	(3579.02)	EG
6	1835412.39	6498422.55		RP



EARTH QUANTITIES:
CUT: 7 CY
FILL: 6 CY
NET: 1 CY

DISTURBED AREA:
PAD: 551 SF
TOTAL: 551 SF

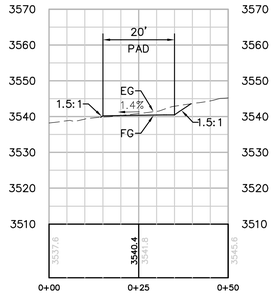
TOWER STAGING/ACCESS PAD FOR TOWER P-108-2

SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

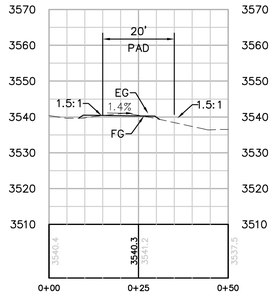
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-108-2	500 KV EXMD Lattice Dead-end Tower	32.40	138.75



SECTION A-A

HORIZ. & VERT. SCALE: 1"=20'



SECTION B-B

HORIZ. & VERT. SCALE: 1"=20'

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1836400.42	6499057.05	(3538.82)	P-108-2
2	1836480.83	6499021.22	3540.36	FG
3	1836479.52	6499041.18	3540.64	FG
4	1836459.56	6499039.87	3540.36	FG
5	1836460.87	6499019.92	3540.08	FG
6	1836470.20	6499030.55		RP

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REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

REVISIONS

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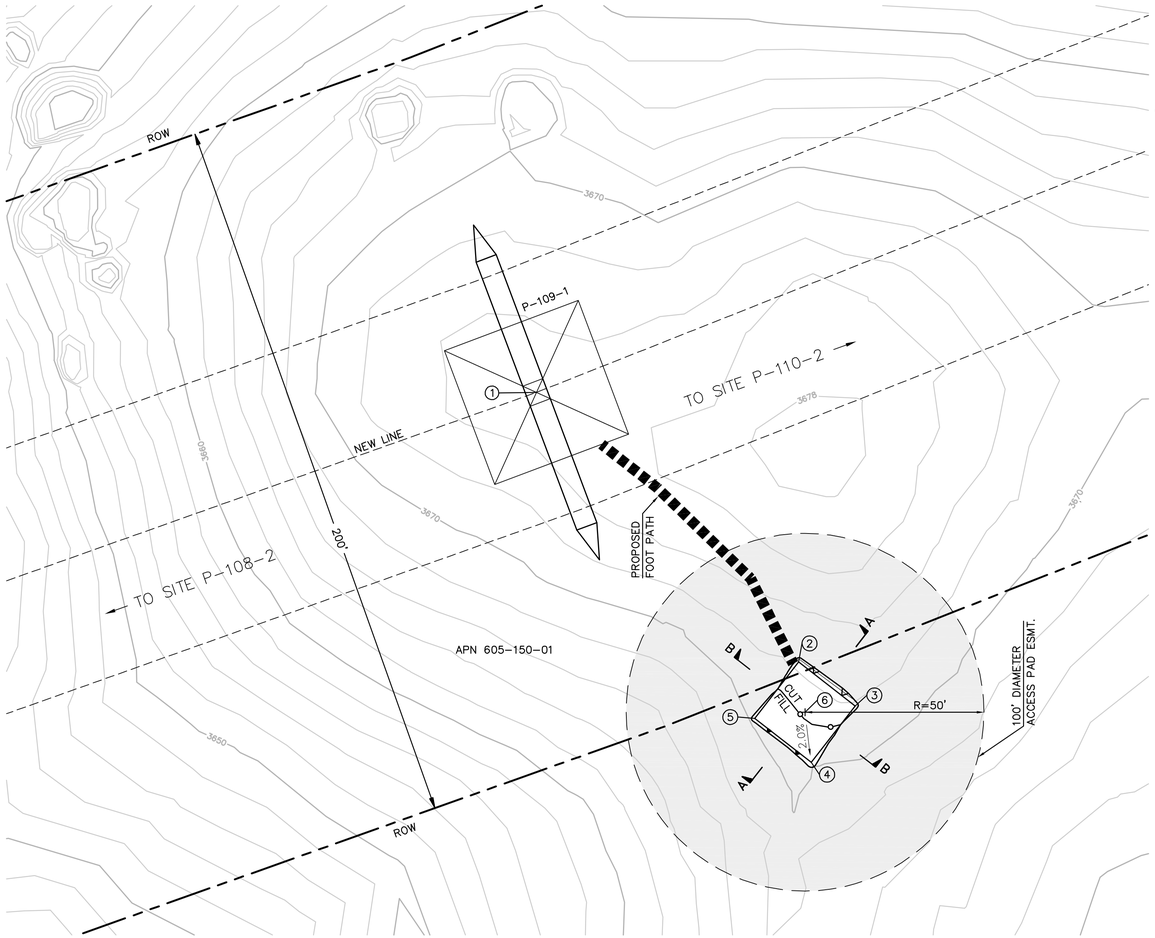
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)

TOWER STAGING/ACCESS PAD FOR SITE P-107-3 & P-108-2

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08E-P107-3 & P108-2-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



TOWER STAGING/ACCESS PAD FOR TOWER P-109-1

(THIS IS NOT A HELIPORT)

SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

EARTH QUANTITIES:

CUT:	4 CY
FILL:	3 CY
NET:	1 CY

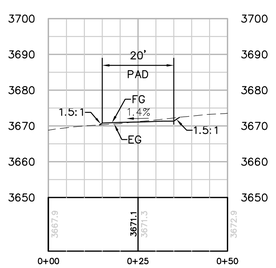
DISTURBED AREA:

PAD:	474 SF
TOTAL:	474 SF

PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

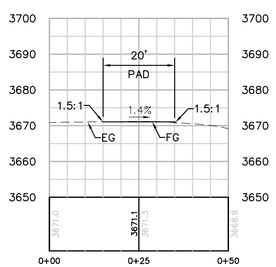
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-109-1	500 KV EXLA Lattice Angle Tower	-2.03	148.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1836891.27	6500437.22	(3675.24)	P-109-1
2	1836815.91	6500510.51	3671.52	FG
3	1836803.63	6500526.30	3671.24	FG
4	1836787.84	6500514.02	3670.96	FG
5	1836800.12	6500498.23	3671.24	FG
6	1836801.87	6500512.27		RP



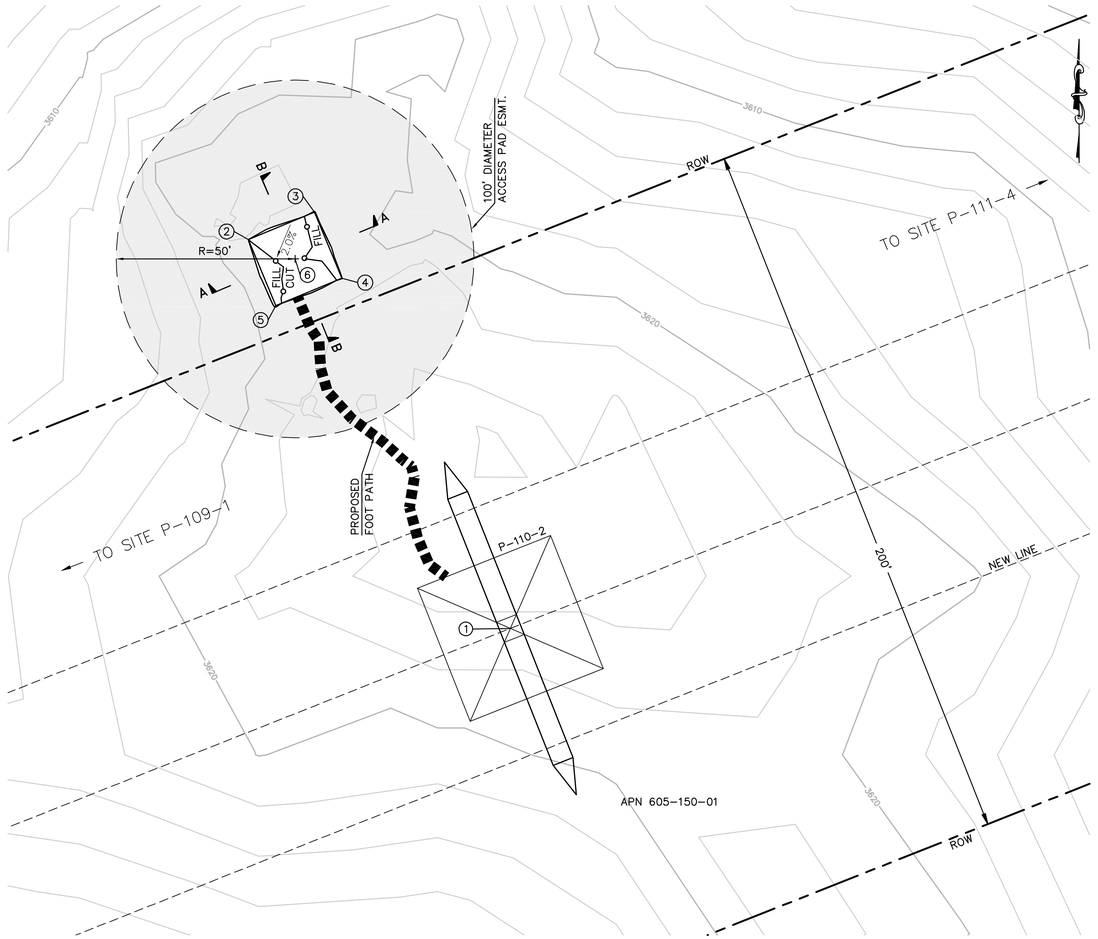
SECTION A-A

HORIZ. & VERT. SCALE: 1"=20'



SECTION B-B

HORIZ. & VERT. SCALE: 1"=20'



TOWER STAGING/ACCESS PAD FOR TOWER P-110-2

(THIS IS NOT A HELIPORT)

SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

EARTH QUANTITIES:

CUT:	1 CY
FILL:	1 CY
NET:	0 CY

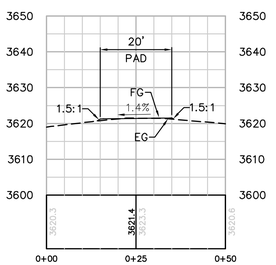
DISTURBED AREA:

PAD:	430 SF
TOTAL:	430 SF

PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

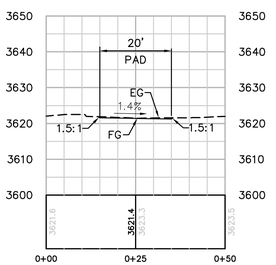
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-110-2	500 KV EXMT Lattice Tangent Tower	0.00	136.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1837406.50	6501737.96	(3623.03)	P-110-2
2	1837515.21	6501664.72	3621.40	FG
3	1837522.86	6501683.20	3621.69	FG
4	1837504.38	6501690.85	3621.40	FG
5	1837496.73	6501672.37	3621.12	FG
6	1837509.79	6501677.79		RP



SECTION A-A

HORIZ. & VERT. SCALE: 1"=20'



SECTION B-B

HORIZ. & VERT. SCALE: 1"=20'

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REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)

TOWER STAGING/ACCESS PAD FOR SITE P-109-1 & P-110-2

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08E-P109-1 & P110-2-TSAP
CAD NO.:	PLOT SCALE: 1 = 1				

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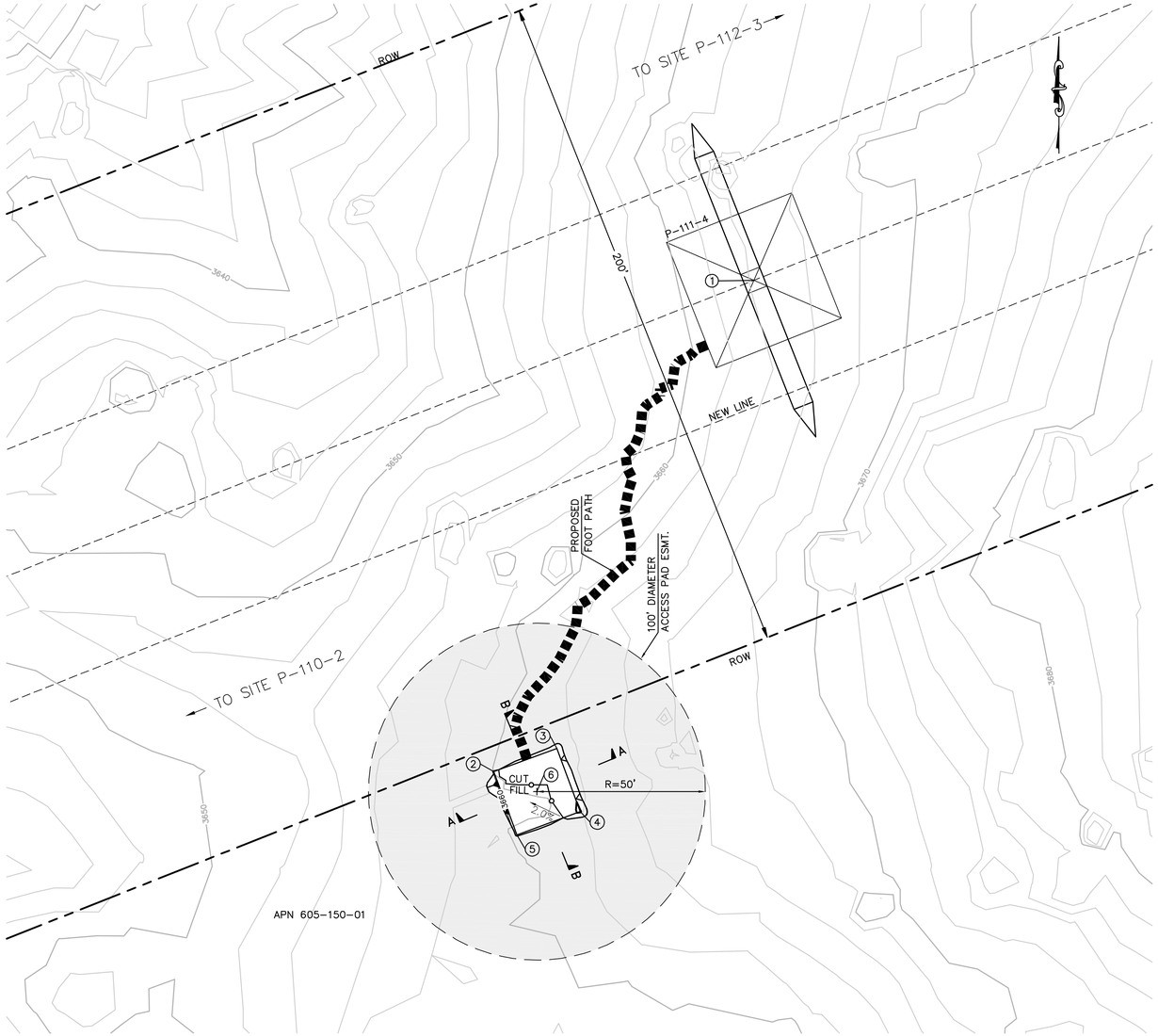
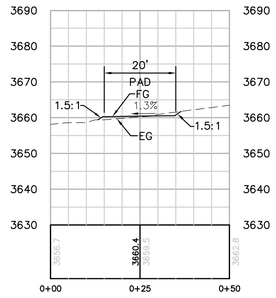
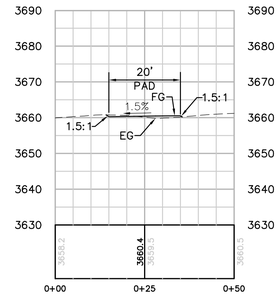


NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1837952.25	6503115.72	(3665.31)	P-111-4
2	1837806.44	6503038.51	3660.16	FG
3	1837813.34	6503057.28	3660.44	FG
4	1837794.56	6503064.18	3660.72	FG
5	1837787.67	6503045.40	3660.44	FG
6	1837800.50	6503051.34		RP

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-111-4	500 KV EXMT Lattice Tangent Tower	0.00	157.50



SECTION A-A
HORIZ. & VERT. SCALE: 1"=20'



SECTION B-B
HORIZ. & VERT. SCALE: 1"=20'

EARTH QUANTITIES:
CUT: 5 CY
FILL: 4 CY
NET: 1 CY

DISTURBED AREA:
PAD: 496 SF
TOTAL: 496 SF

PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

TOWER STAGING/ACCESS PAD FOR TOWER P-111-4

(THIS IS NOT A HELIPORT)

SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

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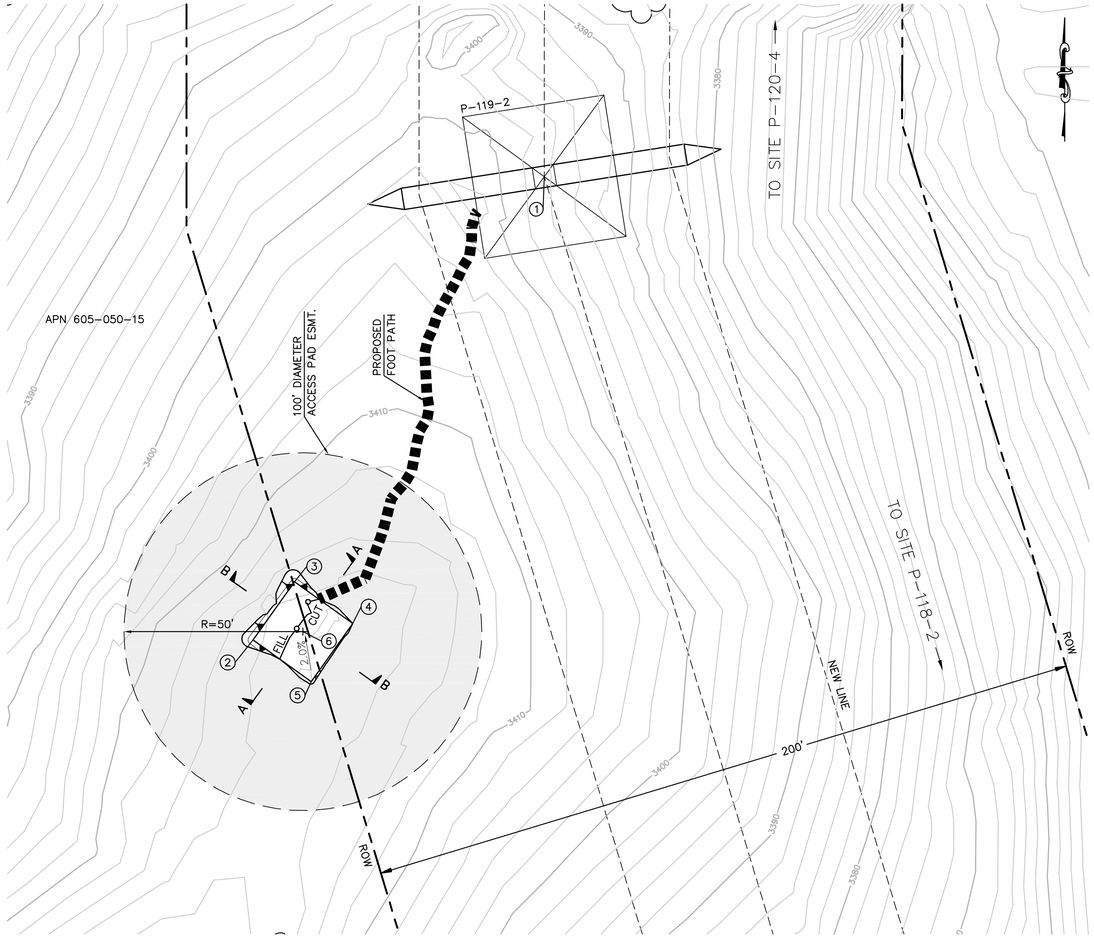
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-111-4

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08E-P111-4-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



EARTH QUANTITIES:
CUT: 5 CY
FILL: 4 CY
NET: 1 CY

DISTURBED AREA:
PAD: 502 SF
TOTAL: 502 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-119-2
(THIS IS NOT A HELIPORT)

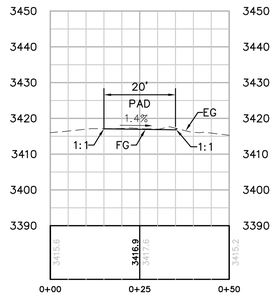
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

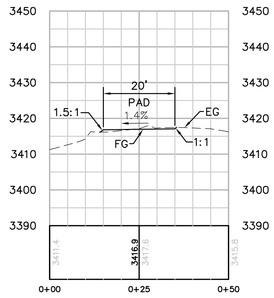
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-119-2	500 KV EXLD Lattice Dead-end Tower	16.83	147.75

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1843066.55	6505805.16	(3396.48)	P-119-2
2	1842937.10	6505723.73	3416.90	FG
3	1842953.36	6505735.38	3416.62	FG
4	1842941.71	6505751.64	3416.90	FG
5	1842925.45	6505739.99	3417.18	FG
6	1842939.41	6505737.69		RP



SECTION A-A
HORIZ. & VERT. SCALE: 1"=20'



SECTION B-B
HORIZ. & VERT. SCALE: 1"=20'

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STATE OF CALIFORNIA

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-119-2

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08E-P119-2-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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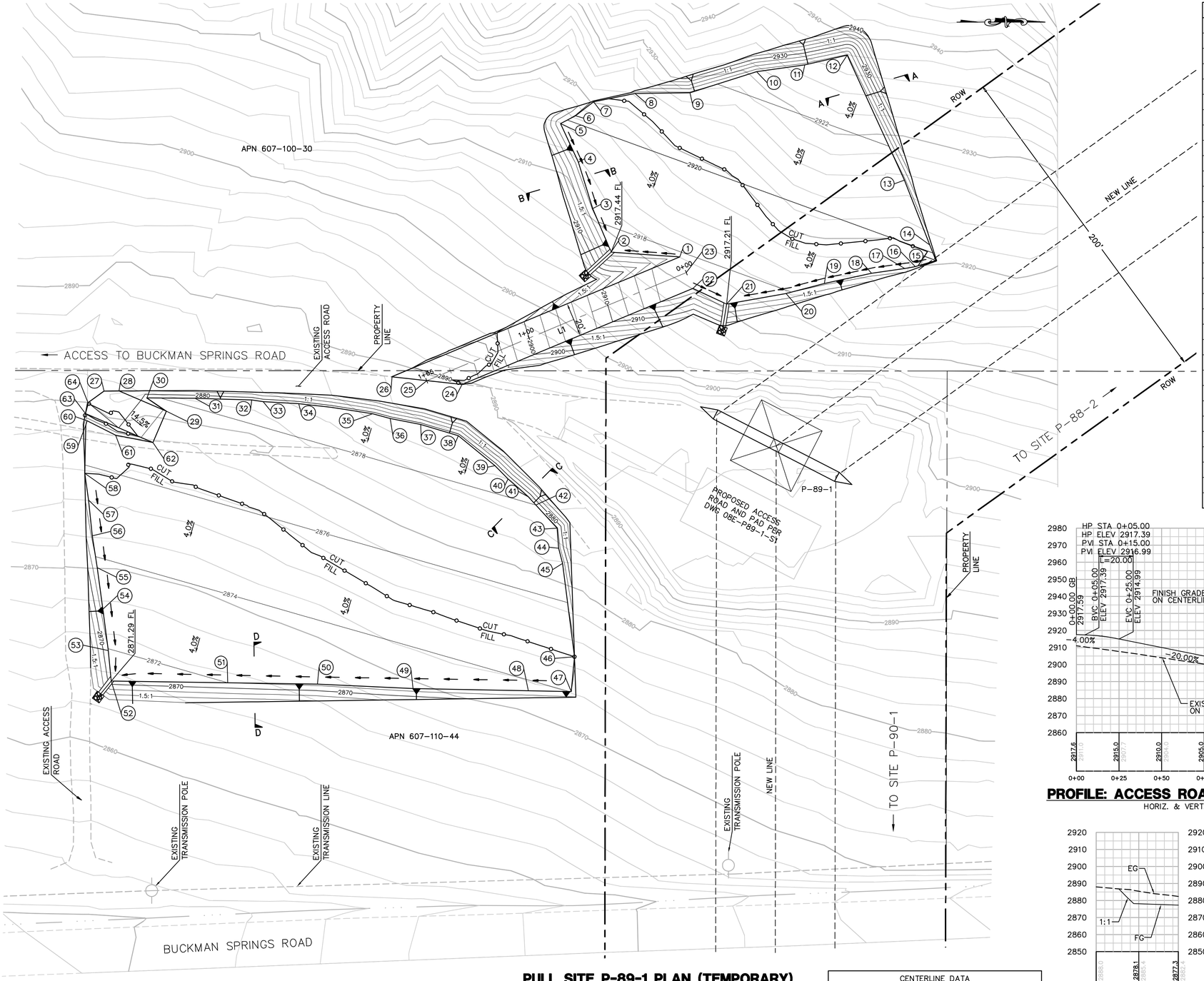
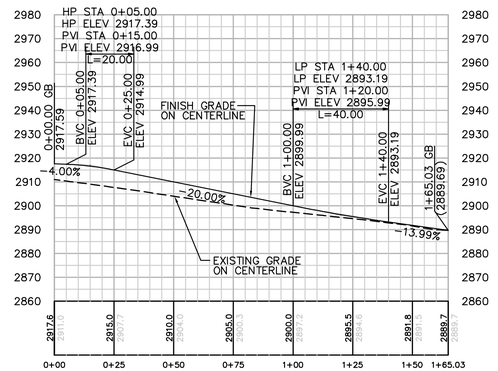


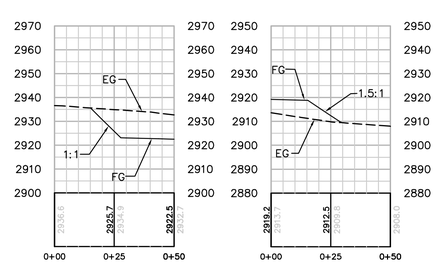
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1818430.34	6488126.86	2917.88	FG
2	1818390.08	6488124.05	2917.44	FG
3	1818379.28	6488098.43	2918.25	FG
4	1818370.85	6488071.23	2919.16	FG
5	1818360.42	6488048.55	2919.87	FG
6	1818369.17	6488043.92	2920.16	FG
7	1818379.79	6488035.80	2920.61	FG
8	1818404.09	6488030.87	2921.13	FG
9	1818436.39	6488030.45	2921.59	FG
10	1818475.54	6488018.08	2922.59	FG
11	1818503.79	6488014.14	2923.12	FG
12	1818528.71	6488008.41	2923.68	FG
13	1818562.25	6488081.87	2921.38	FG
14	1818577.17	6488119.94	2920.15	FG
15	1818580.75	6488129.06	2919.86	FG
16	1818568.59	6488132.59	2919.56	FG
17	1818562.43	6488133.69	2919.43	FG
18	1818542.93	6488136.54	2919.06	FG
19	1818515.27	6488142.52	2918.45	FG
20	1818492.76	6488148.41	2917.92	FG
21	1818457.87	6488154.61	2917.21	FG
22	1818438.03	6488145.33	2917.79	FG
23	1818434.18	6488136.09	2917.59	CL
24	1818302.53	6488201.68	(2889.89)	EG
25	1818281.81	6488199.47	(2889.69)	CL
26	1818261.48	6488197.09	(2888.61)	EG
27	1818092.33	6488205.45	(2881.73)	EG
28	1818101.21	6488205.40	(2881.95)	EG
29	1818128.92	6488217.26	2877.74	FG
30	1818117.55	6488209.44	2878.00	FG
31	1818145.78	6488209.66	2878.22	FG
32	1818179.08	6488210.69	2878.54	FG

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
33	1818185.81	6488211.72	2878.58	FG
34	1818206.62	6488212.88	2878.76	FG
35	1818250.09	6488218.89	2879.01	FG
36	1818260.32	6488221.64	2879.02	FG
37	1818278.20	6488225.11	2879.08	FG
38	1818300.36	6488231.74	2879.07	FG
39	1818321.78	6488249.34	2878.63	FG
40	1818329.51	6488257.15	2878.41	FG
41	1818341.36	6488267.65	2878.14	FG
42	1818345.78	6488272.47	2878.00	FG
43	1818358.26	6488286.11	2877.61	FG
44	1818359.20	6488297.89	2877.17	FG
45	1818361.44	6488306.74	2876.85	FG
46	1818368.45	6488361.59	2874.82	FG
47	1818366.49	6488382.04	2874.01	FG
48	1818341.30	6488381.54	2873.76	FG
49	1818273.63	6488380.26	2873.06	FG
50	1818217.59	6488377.64	2872.55	FG
51	1818164.93	6488376.79	2872.00	FG
52	1818096.44	6488375.70	2871.29	FG
53	1818094.80	6488357.81	2871.96	FG
54	1818091.61	6488333.52	2872.86	FG
55	1818088.31	6488309.17	2873.76	FG
56	1818085.46	6488290.45	2874.45	FG
57	1818083.21	6488269.43	2875.23	FG
58	1818081.10	6488253.71	2875.81	FG
59	1818081.69	6488225.31	2876.91	FG
60	1818082.39	6488222.87	2877.01	FG
61	1818099.13	6488231.37	2876.87	FG
62	1818121.05	6488235.65	2876.95	FG
63	1818081.43	6488218.68	(2879.24)	EG
64	1818082.97	6488212.23	(2880.00)	EG



PROFILE: ACCESS ROAD TO PULL SITE P-89-1

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

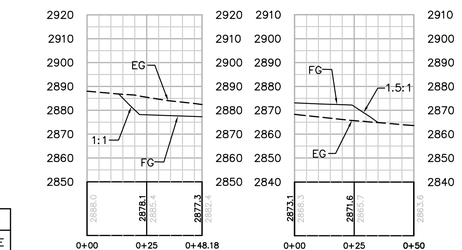


SECTION A-A

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

SECTION B-B

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

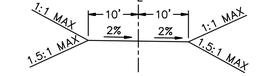


SECTION C-C

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

SECTION D-D

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 1+65.03
N.T.S.

GRAPHIC SCALE
30 0 30 60
1"=30'

EARTH QUANTITIES:
CUT: 5,135 CY
FILL: 4,799 CY
NET: 336 CY

DISTURBED AREA:
PULLSITE: 74,738 SF
ROAD: 5,057 SF
TOTAL: 79,795 SF

QUANTITIES:
RIP RAP: 75 SF
DOWN DRAIN: 41 LF

LENGHT OF ACCESS ROAD: 165 LF

GRAPHIC SCALE
30 0 30 60
1"=30'

PULL SITE P-89-1 PLAN (TEMPORARY)

SCALE: 1" = 30'

NOTE: GRADING IS TEMPORARY ON TEMPORARY PULL SITE LOCATIONS AND ACCESS ROADS.

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		165.03	S22°34'59.37"E

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\PULLSITES\08E-P89-PS.dwg LMay-26-2010 09:22

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
RCE 25708
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

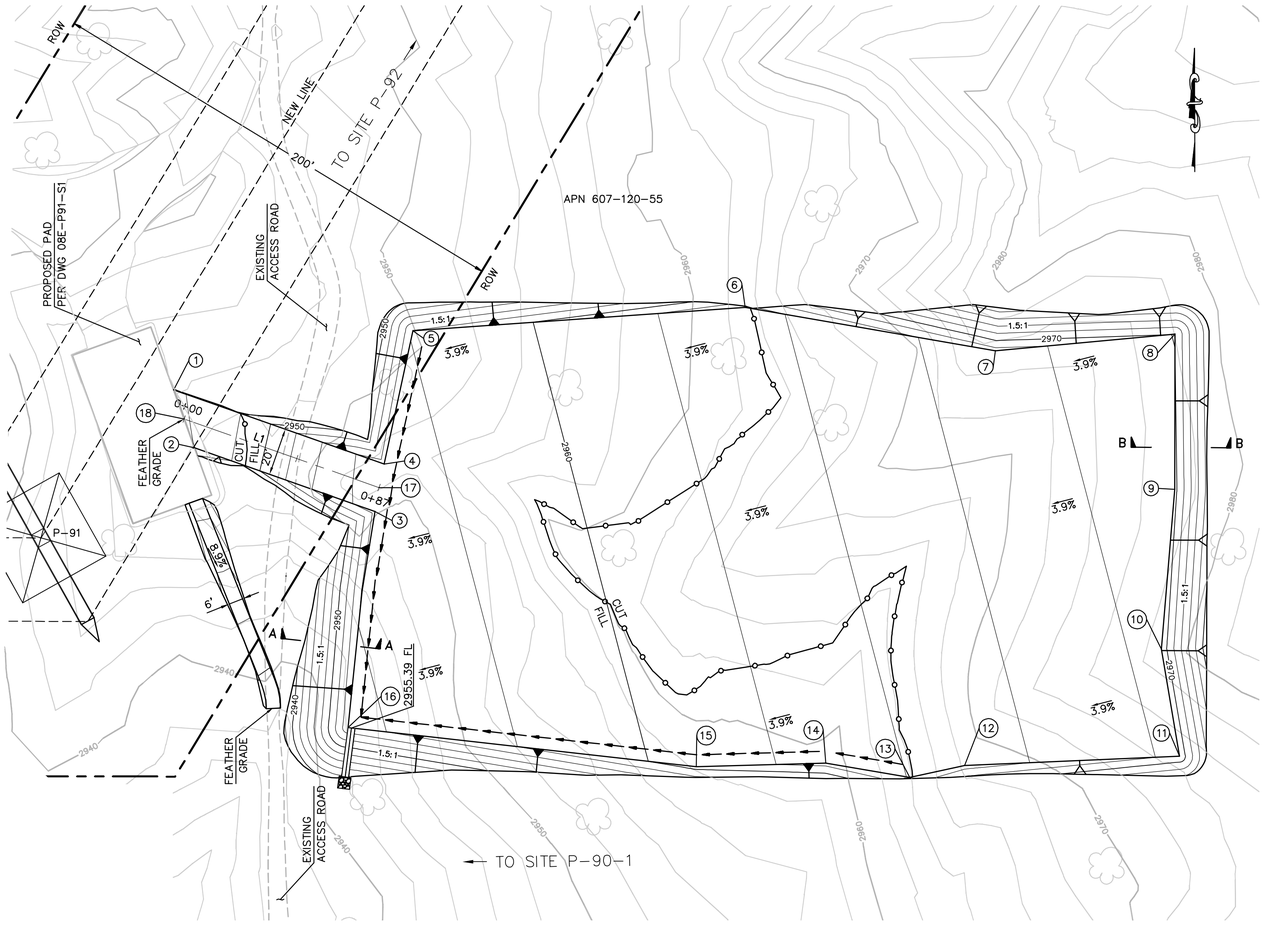
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
PULL SITE P-89-1

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08E-P89-1-PS



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		86.65	S70°35'59"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1818544.15	6490287.78	2945.63	FG
2	1818519.85	6490296.57	2946.02	FG
3	1818493.21	6490372.22	2956.73	FG
4	1818513.07	6490376.03	2957.07	FG
5	1818568.99	6490388.13	2958.08	FG
6	1818578.83	6490527.39	2963.40	FG
7	1818560.62	6490632.32	2967.16	FG
8	1818567.55	6490707.62	2970.06	FG
9	1818502.52	6490707.51	2969.41	FG
10	1818435.43	6490701.90	2968.54	FG
11	1818390.50	6490709.51	2968.38	FG
12	1818386.67	6490619.34	2964.96	FG
13	1818381.60	6490596.38	2964.05	FG
14	1818387.64	6490561.18	2962.79	FG
15	1818386.10	6490506.86	2960.73	FG
16	1818402.51	6490360.83	2955.49	FG
17	1818503.22	6490373.90	2956.88	CL
18	1818532.00	6490292.18	2945.83	CL

EARTH QUANTITIES:
CUT: 5,772 CY
FILL: 5,272 CY
NET: 500 CY

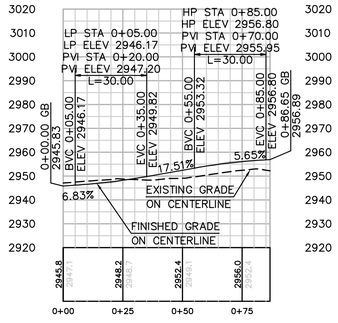
DISTURBED AREA:
PULLSITE: 71,651 SF
ROAD: 2,327 SF
TOTAL: 73,978 SF

QUANTITIES:
RIP RAP: 25 SF
DOWN DRAIN: 21 LF
LENGTH OF ACCESS ROAD: 87 LF

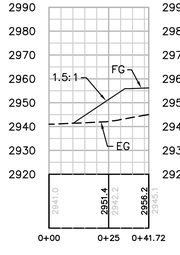
NOTE: GRADING IS TEMPORARY ON TEMPORARY PULL SITE LOCATIONS AND ACCESS ROADS.

PULL SITE P-91 (EAST) PLAN (TEMPORARY)
SCALE: 1" = 30'

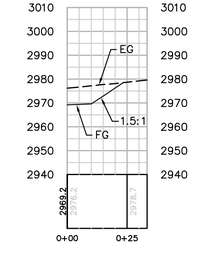
GRAPHIC SCALE
30 0 30 60
1"=30'



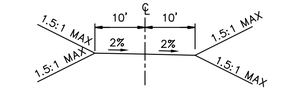
PROFILE: ACCESS ROAD TO PULL SITE P-91 (EAST)
HORIZ. & VERT. SCALE: 1" = 30'



SECTION A-A
HORIZ. & VERT. SCALE: 1" = 30'



SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 0+86.65

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
PE 29708
Exp. 3-31-17
CIVIL
STATE OF CALIFORNIA

REVISIONS

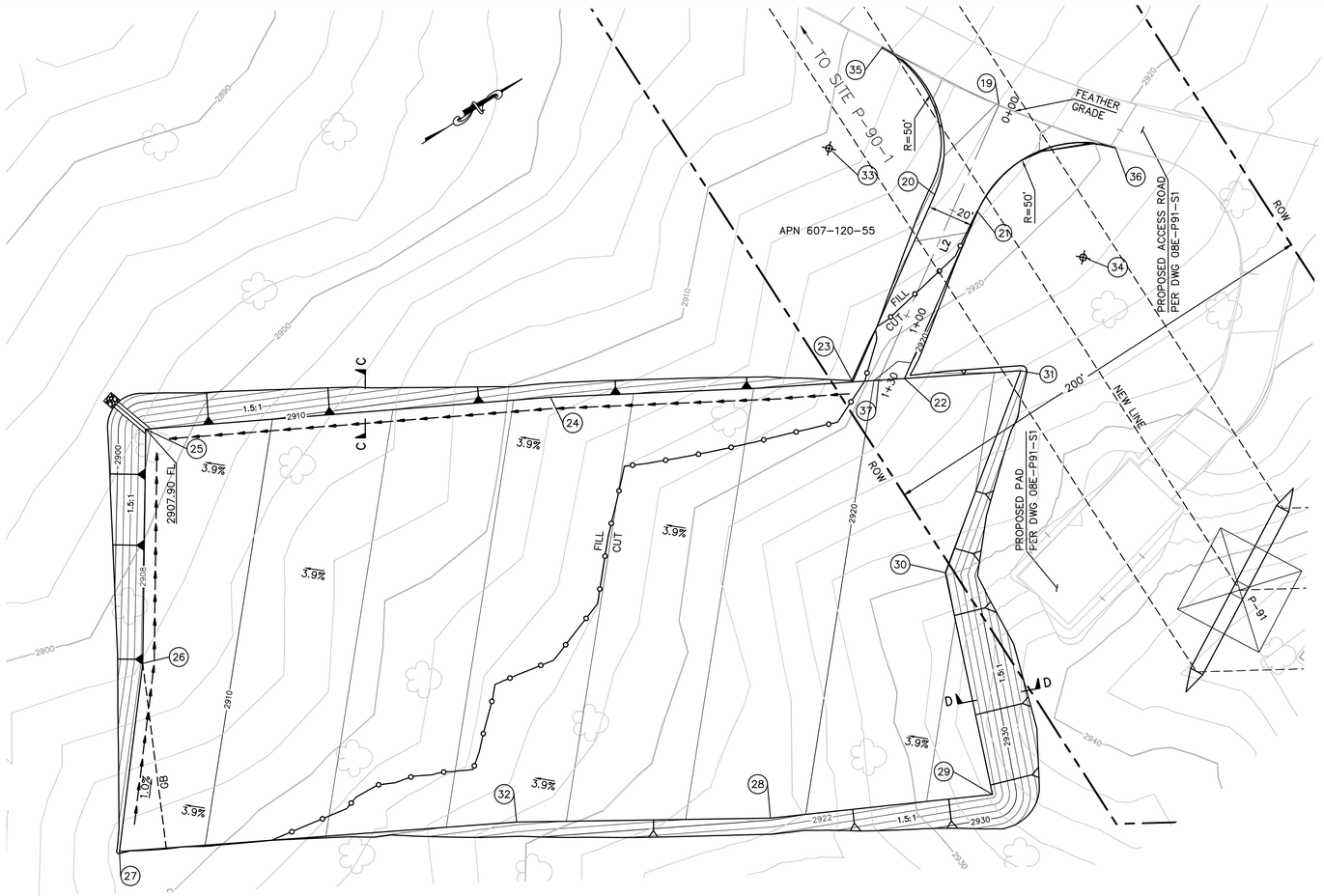
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
PULL SITE P-91 (EAST)

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08E-P91-PS-A
CAD NO.:	PLOT SCALE: 1 = 1				

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\PULLSITES\08E-P91-PS-A.dwg[Mday-25-20101514



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L2		130.47	S33°30'24"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
19	1818508.84	6489998.50	2916.08	FG
20	1818464.28	6490016.00	2917.32	FG
21	1818475.94	6490032.27	2917.69	FG
22	1818409.90	6490075.99	2920.51	FG
23	1818390.20	6490065.05	2919.65	FG
24	1818276.47	6489999.31	2914.61	FG
25	1818121.43	6489915.48	2907.90	FG
26	1818065.07	6490000.19	2908.47	FG
27	1818012.21	6490063.28	2909.29	FG
28	1818257.27	6490204.63	2919.42	FG
29	1818343.83	6490248.41	2923.09	FG
30	1818378.92	6490156.41	2921.71	FG
31	1818454.08	6490100.55	2922.44	FG
32	1818163.94	6490146.19	2915.17	FG
33	1818436.68	6489974.31		RP
34	1818503.55	6490073.96		RP
35	1818480.30	6489949.86	2911.68	FG
36	1818541.28	6490041.15	2920.16	FG
37	1818400.05	6490070.52	2920.08	CL

EARTH QUANTITIES:
CUT: 5,320 CY
FILL: 5,078 CY
NET: 242 CY

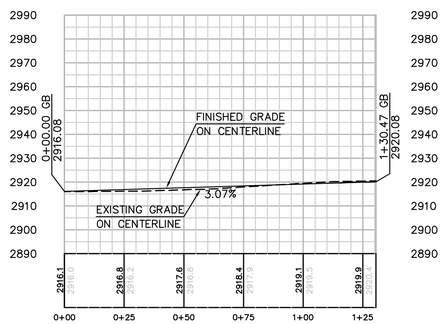
DISTURBED AREA:
PULLSITE: 76,694 SF
ROAD: 3,805 SF
TOTAL: 80,499 SF

QUANTITIES:
RIP RAP: 25 SF
DOWN DRAIN: 16 LF
LENGTH OF ACCESS ROAD: 130 LF

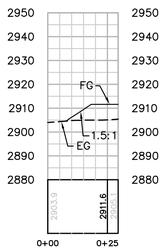
NOTE: GRADING IS TEMPORARY ON TEMPORARY PULL SITE LOCATIONS AND ACCESS ROADS.

PULL SITE P-91 (SOUTH) PLAN (TEMPORARY)
SCALE: 1" = 30'

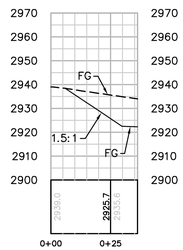
GRAPHIC SCALE
30 0 30 60
1"=30'



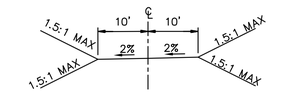
PROFILE: ACCESS ROAD TO PULL SITE P-91 (SOUTH)
HORIZ. & VERT. SCALE: 1" = 30'



SECTION C-C
HORIZ. & VERT. SCALE: 1" = 30'



SECTION D-D
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 1+30.47

P:\16919 SDG&E SPL_CADD\08E\dwg\plan\PULLSITES\08E-P91-PS-B.dwg[]May-25-20101418

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — NO. 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

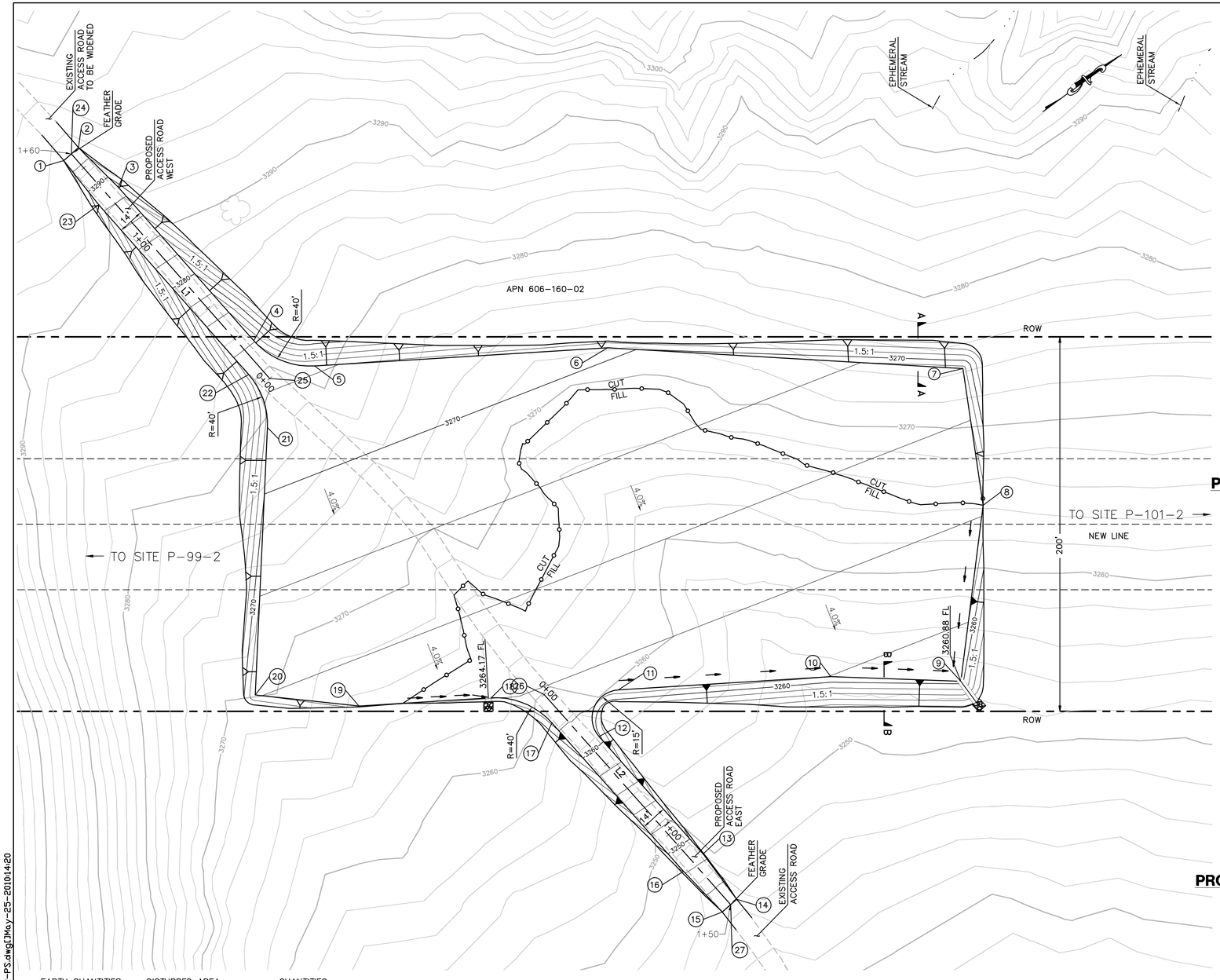
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

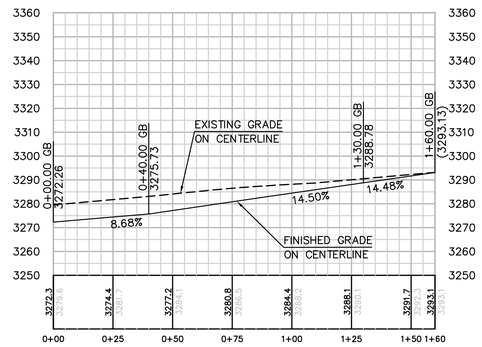
SPL-8E (LINK 2)
PULL SITE P-91 (SOUTH)

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08E-P91-PS-B
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



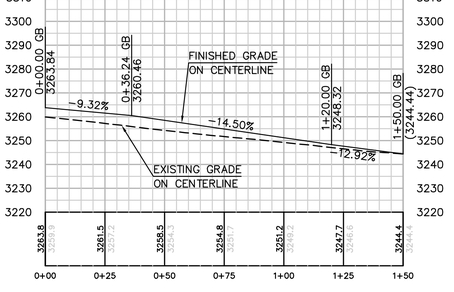
CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		160.00	S84°36'54"W
L2		150.00	N84°27'44"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1827475.40	6494745.11	(3293.14)	EG
2	1827485.71	6494744.14	(3293.12)	EG
3	1827490.52	6494773.82	3288.92	FG
4	1827500.77	6494882.56	3274.06	FG
5	1827519.11	6494912.55	3272.16	FG
6	1827651.39	6494996.77	3270.26	FG
7	1827798.22	6495117.38	3267.09	FG
8	1827763.96	6495182.78	3264.21	FG
9	1827699.08	6495251.84	3260.88	FG
10	1827644.40	6495208.98	3261.98	FG
11	1827548.46	6495147.92	3263.36	FG
12	1827525.47	6495162.02	3260.46	FG
13	1827533.56	6495245.39	3248.46	FG
14	1827533.80	6495275.51	(3244.44)	EG
15	1827523.55	6495276.50	(3244.45)	EG
16	1827519.62	6495246.74	3248.18	FG
17	1827509.40	6495141.27	3262.53	FG
18	1827491.06	6495111.39	3264.19	FG
19	1827431.40	6495073.41	3265.05	FG
20	1827390.07	6495036.07	3266.07	FG
21	1827479.36	6494924.40	3271.30	FG
22	1827487.95	6494895.66	3273.03	FG
23	1827476.59	6494775.13	3288.64	FG
24	1827480.74	6494744.61	(3293.13)	CL
25	1827495.76	6494903.90	3272.26	CL
26	1827515.01	6495126.63	3263.84	CL
27	1827529.49	6495275.93	(3244.45)	CL



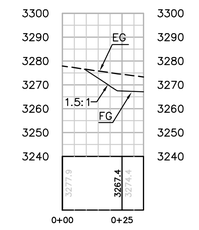
PROFILE: ACCESS ROAD TO PULL SITE P-99-2 (WEST)

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



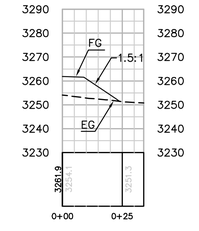
PROFILE: ACCESS ROAD TO PULL SITE P-99-2 (EAST)

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



SECTION A-A

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



SECTION B-B

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

EARTH QUANTITIES:
CUT: 5,533 CY
FILL: 4,960 CY
NET: 573 CY

DISTURBED AREA:
PULL SITE: 78,444 SF
ROAD: 5,372 SF
TOTAL: 83,816 SF

QUANTITIES:
RIP RAP: 50 SF
DOWNDRAIN: 16 LF

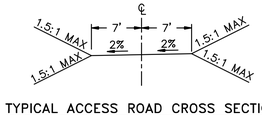
LENGTH OF ACCESS ROAD: 310 LF

NOTE: GRADING IS TEMPORARY ON TEMPORARY PULL SITE LOCATIONS AND ACCESS ROADS.

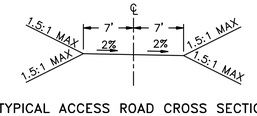
PULL SITE P-99-2 PLAN (TEMPORARY)

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 1+60.00



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 1+50.00

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
RCE 29708
Exp.3-31-17
CIVIL
STATE OF CALIFORNIA

REVISIONS

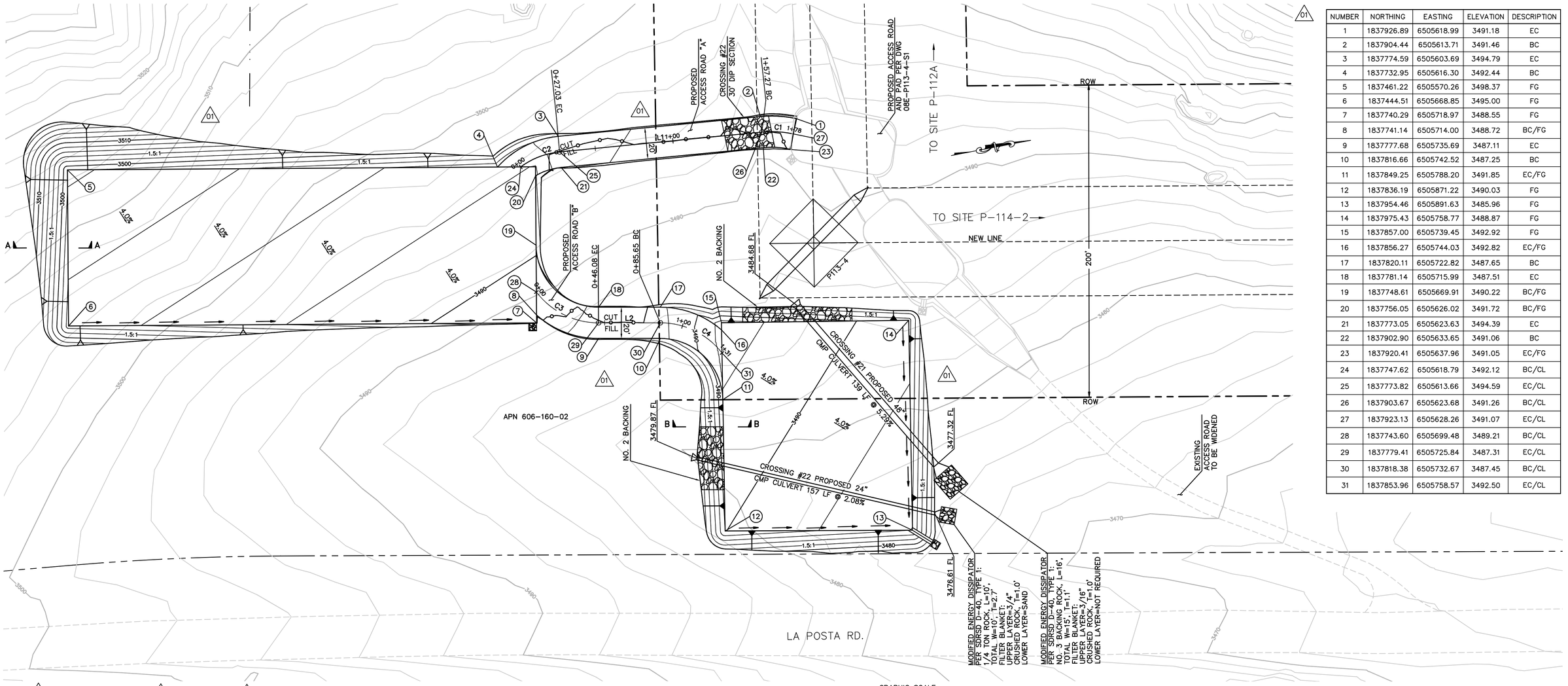
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
PULL SITE P-99-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0
CHECKED BY:	DATE:			
APPROVED BY:	DATE:			08E-P99-2-PS
CAD NO.:	PLOT SCALE: 1 = 1			

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\PULLSITES\08E-P99-2-PS.dwg CJMay-25-201014:20



NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1837926.89	6505618.99	3491.18	EC
2	1837904.44	6505613.71	3491.46	BC
3	1837774.59	6505603.69	3494.79	EC
4	1837732.95	6505616.30	3492.44	BC
5	1837461.22	6505570.26	3498.37	FG
6	1837444.51	6505668.85	3495.00	FG
7	1837740.29	6505718.97	3488.55	FG
8	1837741.14	6505714.00	3488.72	BC/FG
9	1837777.68	6505735.69	3487.11	EC
10	1837816.66	6505742.52	3487.25	BC
11	1837849.25	6505788.20	3491.85	EC/FG
12	1837836.19	6505871.22	3490.03	FG
13	1837954.46	6505891.63	3485.96	FG
14	1837975.43	6505758.77	3488.87	FG
15	1837857.00	6505739.45	3492.92	FG
16	1837856.27	6505744.03	3492.82	EC/FG
17	1837820.11	6505722.82	3487.65	BC
18	1837781.14	6505715.99	3487.51	EC
19	1837748.61	6505669.91	3490.22	BC/FG
20	1837756.05	6505626.02	3491.72	BC/FG
21	1837773.05	6505623.63	3494.39	EC
22	1837902.90	6505633.65	3491.06	BC
23	1837920.41	6505637.96	3491.05	EC/FG
24	1837747.62	6505618.79	3492.12	BC/CL
25	1837773.82	6505613.66	3494.59	EC/CL
26	1837903.67	6505623.68	3491.26	BC/CL
27	1837923.13	6505628.26	3491.07	EC/CL
28	1837743.60	6505699.48	3489.21	BC/CL
29	1837779.41	6505725.84	3487.31	EC/CL
30	1837818.38	6505732.67	3487.45	BC/CL
31	1837853.96	6505758.57	3492.50	EC/CL

01

EARTH QUANTITIES:
CUT: 8,380 CY
FILL: 6,447 CY
NET: 1,933 CY
DIP SECTION EXPORT: 41 CY

DISTURBED AREA:
PULL SITES: 62,032 SF
ROAD: 6,826 SF
TOTAL: 68,858 SF

QUANTITIES:

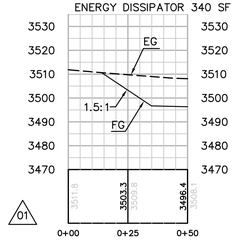
RIP RAP:	50 SF
DOWNDRAIN:	15 LF
DIP SECTION:	600 SF
24" CMP:	157 LF
48" CMP:	139 LF
NO. 2 BACKING	1,311 SF
ENERGY DISSIPATOR	340 SF

NOTE: GRADING IS TEMPORARY ON TEMPORARY PULL SITE LOCATIONS AND ACCESS ROADS.

PULL SITE P-113-4 PLAN (TEMPORARY)

SCALE: 1" = 30'

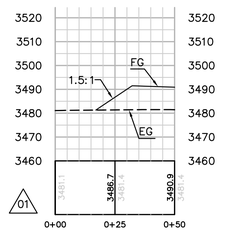
GRAPHIC SCALE
30 0 30 60
1"=30'



SECTION A-A

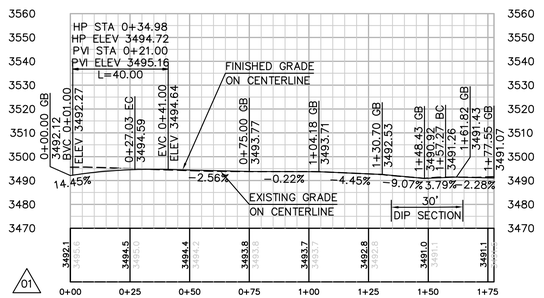
HORIZ & VERT SCALE: 1" = 30'

LENGTH OF ACCESS ROADS: 309 LF



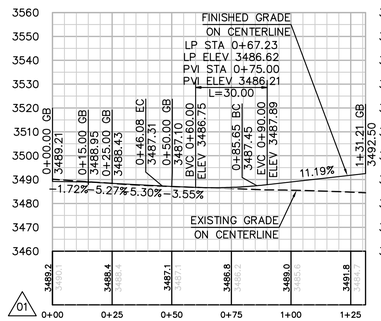
SECTION B-B

HORIZ & VERT SCALE: 1" = 30'



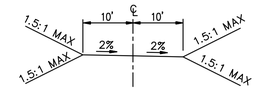
PROFILE: ACCESS ROAD "A"

HORIZ & VERT SCALE: 1" = 30'



PROFILE: ACCESS ROAD "B"

HORIZ & VERT SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 1+77.55
STA 0+00 TO 1+31.21

01

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C2	50.00	27.03	30°58'26"
L1		130.24	N4°24'40"E
C1	65.00	20.29	17°52'57"
C3	50.00	46.08	52°47'53"
L2		39.57	N9°56'58"E
C4	50.00	45.56	52°12'32"

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

REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:
01	PAD PLAN/PROFILE, ACCESS ROAD ALIGNMENT/PROFILE, QUANTITIES, AREAS	8/24/10	BJH	MB										

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8E (LINK 2)
PULL SITE P-113-4

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08E-P113-4-PS

P:\16919 SDG&E SPL\CADD\08E\dwg\plan\PULLSITES\08E-P113-PS.dwg[1Aug-24-20100928

SUNRISE POWERLINK PROJECT

SECTION 8E (LINK 2)

500kV LINE

GENERAL NOTES

1. A PERMIT SHALL BE OBTAINED FROM THE SAN DIEGO COUNTY DEPARTMENT OF PUBLIC WORKS FOR ANY WORK WITHIN THE COUNTY PUBLIC STREET RIGHT-OF-WAY.
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.
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

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 8E-1&2
SHEET 5	PERMIT 8E-3&4
SHEET 6	PERMIT 8E-5
SHEET 7	PERMIT 8E-6

UNDERGROUND SERVICE ALERT

CALL BEFORE YOU DIG

CALL: TOLL FREE 1-800 422-4133

"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

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

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	LEGAL DESCRIPTION	ENGINEER OF WORK	PERMITS
ASSESSORS PARCEL NO. _____	ASSESSORS PARCEL NO. _____	REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH No. 29708 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA	REZONE PERMIT NO. _____
RECORD PLAN	RECORD PLAN	NAME: STEPHEN K. SMITH	SPECIAL USE PERMIT NO. _____
NAME: _____	NAME: _____	PHONE NO. (858)451-6100	GRADING PERMIT NO. _____
R.C.E. _____	R.C.E. _____	ADDRESS: 11590 W. BERNARDO CT. SUITE 100 SAN DIEGO, CA 92127	
DATE: _____	DATE: _____		

COUNTY APPROVED CHANGES

NO.	DESCRIPTION	APPROVED BY	DATE

BENCH MARK

NAME: H116
LOCATION: N 1838891.823 E 6422319.031
DESCRIPTION: USBM
ELEVATION: 2442.400' DATUM: NAVD 88

NAME: HOT SPRING
LOCATION: N 1804471.890 E 6582919.609
DESCRIPTION: USBM
ELEVATION: 2799.320' DATUM: NAVD 88

NAME: _____
LOCATION: _____
DESCRIPTION: _____
ELEVATION: _____ DATUM: _____

PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	SHEETS
1		7

IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

PRIVATE ROADWAY / DRIVEWAY PLANS
SECTION 8E IMPROVEMENTS
TITLE SHEET

ENGINEER OF WORK: STEPHEN K. SMITH R.C.E. 29708	CHECKED BY:	IMPROVEMENT PLAN NO.

SPL-8E (LINK 2) | 08E-DWY-01

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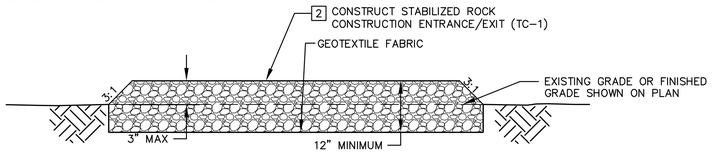
CONSTRUCTION NOTE:

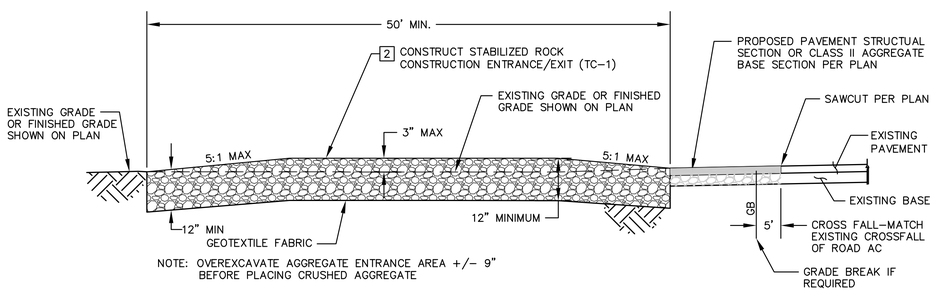
1. CONSTRUCT * ASPHALT CONCRETE OVER * CLASS II AGGREGATE BASE**
2. CONSTRUCT STABILIZED CONSTRUCTION APPROACH AT CONSTRUCTION ENTRANCE PER DETAILS ON SHEET 2.
3. SAWCUT AND JOIN EXISTING PAVEMENT
4. CONSTRUCT 8" CLASS II AGGREGATE BASE ROAD ENTRANCE, DETAILS ON SHEET 2.
5. INSTALL SIGN W11-10 (TRUCK) WITH W13-IP (XX MPH).
6. PROVIDE CONSTRUCTION TRAFFIC CONTROL AS APPROPRIATE TA-6, TA-10 OR TA-11 RESTORE TO TWO LANE OPERATION AT NIGHT WITH TA-1,TA-3 OR TA-6 AT NIGHT AS APPROPRIATE PER DETAIL ON SHEET 3
7. CONSTRUCT 6" AC BERM PER COUNTY STD G-5, TYPE A.
8. CONSTRUCT FENCE AND/OR GATE PER SDG&E.
9. CONSTRUCT 2" AC OVERLAY
10. CONSTRUCT CULVERT. (SIZE TO MATCH EXISTING)
11. CONSTRUCT COLLAR

NOTE:

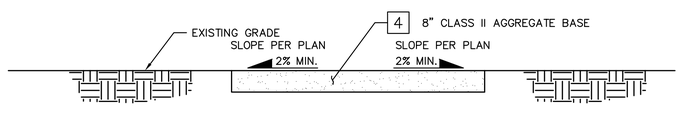
1. * STRUCTURAL SECTION IS SHOWN ON PLANS
2. ** THE PAVEMENT STRUCTURAL SECTION SUBGRADE SHALL BE PREPARED AS FOLLOWS: 12 INCHES OF SUBGRADE SHALL BE REMOVED AND RECOMPACTED TO 95% RELATIVE COMPACTION PER ASTM D1557. IN ADDITION THE SUBGRADE SHOULD BE PROOF ROLLED TO ELIMINATE PUMPING OF SUBGRADE.
3. STABILIZED ROCK SHALL BE CRUSHED AGGREGATE GREATER THAN 3" BUT SMALLER THAN 6". COMPACT TO FILL VOID SPACES TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
4. TC-1 PER STORM WATER BMP HAND BOOK. ROCK SHALL BE COMPACTED PER NOTE ABOVE.



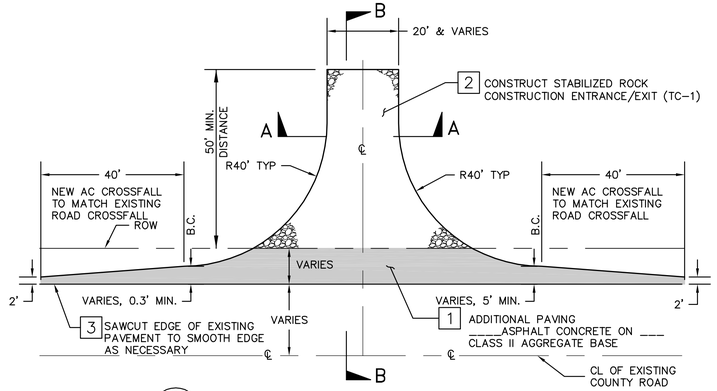
SECTION A-A
NOT TO SCALE



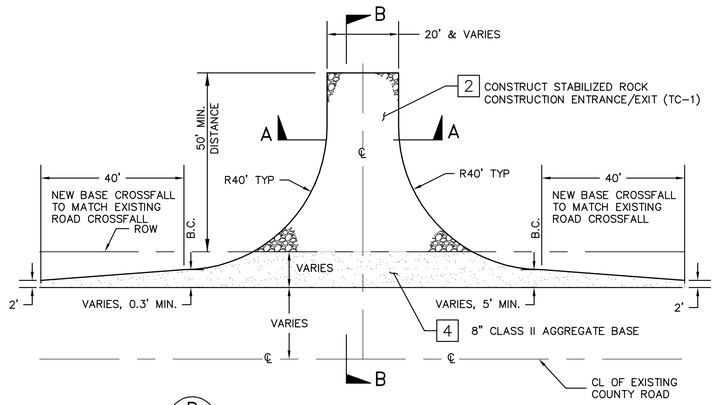
SECTION B-B
NOT TO SCALE



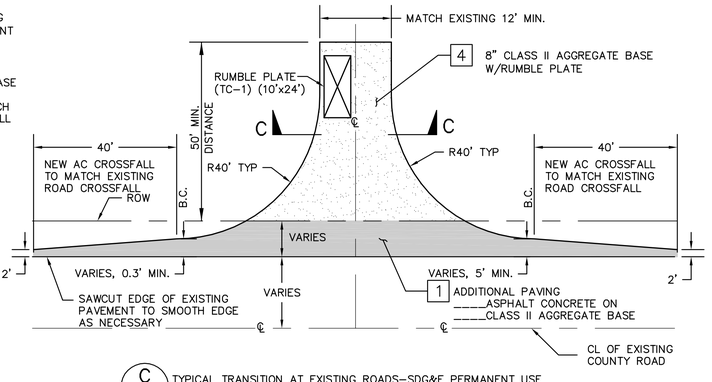
SECTION C-C



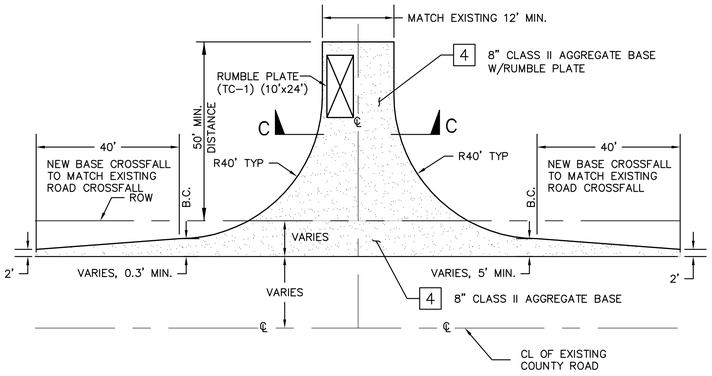
A
—
TYPICAL TRANSITION AT NEW SDG&E PRIVATE ROAD CONNECTION
NOT TO SCALE



B
—
TYPICAL TRANSITION AT SDG&E-TEMPORARY ACCESS ROAD
NOT TO SCALE



C
—
TYPICAL TRANSITION AT EXISTING ROADS-SDG&E PERMANENT USE
NOT TO SCALE



D
—
TYPICAL TRANSITION AT EXISTING ROADS/DRIVEWAY-SDG&E TEMPORARY USE
NOT TO SCALE

ABBREVIATIONS

AC	ASPHALT CONCRETE PAVING
BW	BOTTOM OF WALL AT FINISHED GROUND
CMP	CORRUGATED METAL PIPE
D/S	DOWN STREAM
(EG)	EXISTING GRADE
FG	FINISHED GRADE
FL	FLOW LINE
GB	GRADE BREAK
PP	POWER POLE
RC	RELATIVE COMPACTION
RD	ROAD
TW	TOP OF WALL
U/S	UP STREAM
EA	EACH
LS	LUMP SUM

LEGEND

- PROPOSED ASPHALT
- STABILIZED ROCK
- CLASS II AGGREGATE BASE
- A / A — SECTION
- INDICATES NEW TOWER
- INDICATES EXISTING STEEL POLE
- NEW POWER LINE
- RIGHT-OF-WAY LINE
- X / XX — DETAIL LABEL (DETAIL # / SHEET #)
- TRAFFIC SIGN

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

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Bureau Veritas North America
11590 West Bernardo Court Suite 100
San Diego, CA 92127-1624
Tel: (858) 451-6100 Fax: (858) 451-2846
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LEGAL DESCRIPTION	LEGAL DESCRIPTION	ENGINEER OF WORK	PERMITS
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RECORD PLAN	RECORD PLAN	NAME: STEPHEN K. SMITH	SPECIAL USE PERMIT NO. _____
NAME: _____	NAME: _____	PHONE NO. (858)451-6100	GRADING PERMIT NO. _____
R.C.E. _____	R.C.E. _____	ADDRESS: 11590 W. BERNARDO CT. SUITE 100 SAN DIEGO, CA 92127	
DATE: _____	DATE: _____		

COUNTY APPROVED CHANGES

NO.	DESCRIPTION	APPROVED BY	DATE

BENCH MARK

NAME: H116
LOCATION: N 1838891.823 E 6422319.031
DESCRIPTION: USBM
ELEVATION: 2442.400' DATUM: NAVD 88

NAME: HOT SPRING
LOCATION: N 1804471.890 E 6582919.609
DESCRIPTION: USBM
ELEVATION: 2799.320' DATUM: NAVD 88

NAME: _____
LOCATION: _____
DESCRIPTION: _____
ELEVATION: _____ DATUM: _____

PRIVATE CONTRACT

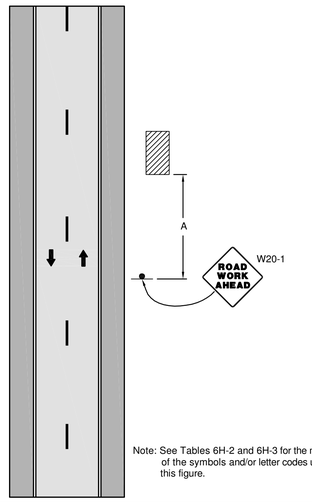
SHEET 2	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	7 SHEETS

IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

CONSTRUCTION NOTES, DETAILS, ABBREVIATIONS, AND LEGEND

ENGINEER OF WORK: STEPHEN K. SMITH R.C.E. 29708	CHECKED BY:	IMPROVEMENT PLAN NO.
SPL-8E (LINK 2)		08E-DWY-02

FIGURE 6H-1. WORK BEYOND THE SHOULDER (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used this figure.

Notes for Figure 6H-1—Typical Application 1
Work Beyond the Shoulder

Guidance:

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

Option:

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.

Table 6H-2. Meaning of Symbols on Typical Application Diagrams

Arrow board	Shadow vehicle
Arrow board support or trailer (shown facing down)	Sign (shown facing left)
Changeable message sign or support trailer	Surveyor
Channelizing device	Temporary barrier
Crash cushion	Temporary barrier with warning light
Direction of temporary traffic detour	Traffic or pedestrian signal
Direction of traffic	Truck-mounted attenuator
Flagger	Type 3 barricade
High-level warning device (Flag tree)	Warning light
Longitudinal channelizing device	Work space
Luminaire	Work vehicle
Pavement markings that should be removed for a long-term project	

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

← RECOMMENDED

* Speed category to be determined by highway agency

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

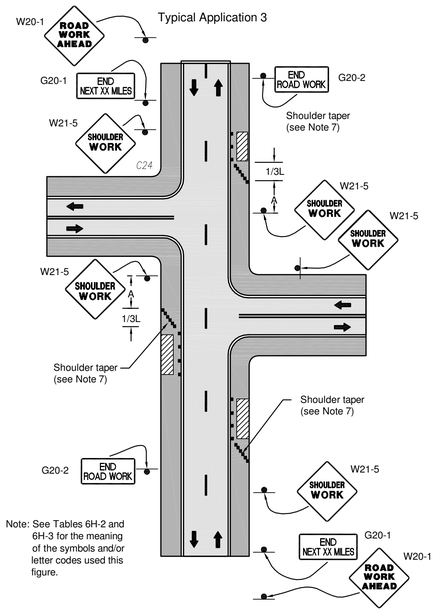
Table 6H-4. Formulas for Determining Taper Length

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

FIGURE 6H-3. WORK ON THE SHOULDERS (TA-3)

Typical Application 3



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used this figure.

Notes for Figure 6H-3—Typical Application 3
Work on the Shoulders

Guidance:

1. *A SHOULDER WORK sign should be placed on the left side of the roadway for a divided or one-way street only if the left shoulder is affected.*

Option:

2. The Workers symbol signs may be used instead of SHOULDER WORK signs.
3. The SHOULDER WORK AHEAD sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.
4. For short duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

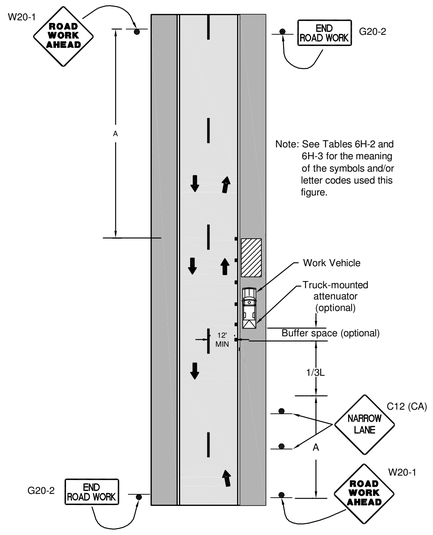
Standard:

6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.

7. When paved shoulders having a width of 8 feet or more are closed, at least one advance warning sign shall be used. In addition, channelizing devices shall be used to close the shoulder in advance to delineate the beginning of the work space and direct vehicular traffic to remain within the traveled way.

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

Typical Application 6



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

Guidance:

1. *All lanes should be a minimum of 10 feet in width as measured to the near face of the channelizing devices.*
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.*

Option:

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 maintained.
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.
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 strobe lights.

Standard:

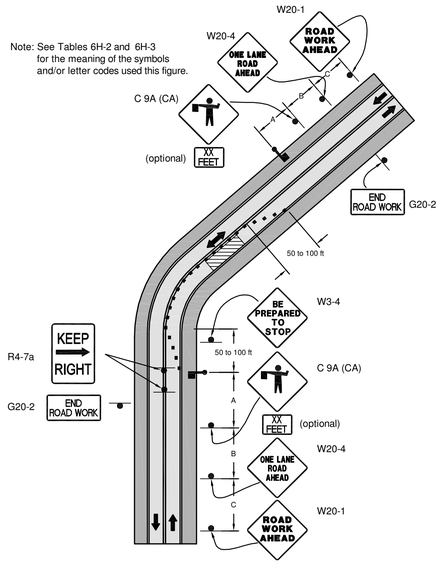
11. Vehicle-mounted signs shall be mounted in a manner such that they are not obscured by equipment or supplies. Sign legends on vehicle-mounted signs shall be covered or turned from view when work is not in progress.

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, flashing, oscillating, or strobe lights.

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

Typical Application 10



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

Option:

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 operations.
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.

Guidance:

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 vehicles.*

Standard:

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

Guidance:

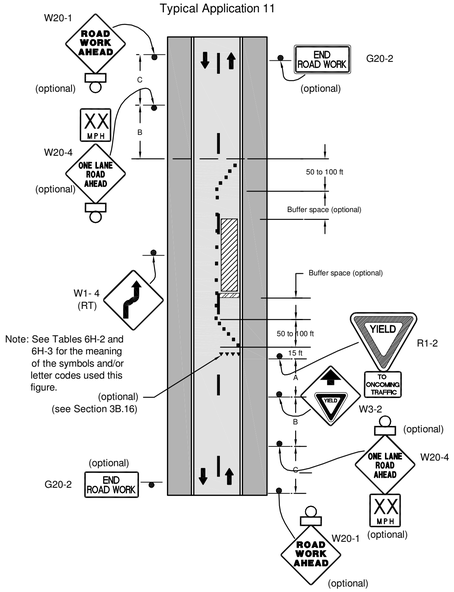
6. *When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the ONE LANE ROAD sign.*
7. *When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the 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 right-hand side of the normal center line.*
10. *Early coordination with the railroad company or light rail transit agency should occur before work starts.*

Option:

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 outside rails.

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

Typical Application 11



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

Option:

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 DATE

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
ASSESSORS PARCEL NO. _____
RECORD PLAN
NAME: _____
R.C.E. _____
DATE: _____

LEGAL DESCRIPTION
ASSESSORS PARCEL NO. _____
RECORD PLAN
NAME: _____
R.C.E. _____
DATE: _____

ENGINEER OF WORK
REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA
NAME: STEPHEN K. SMITH
PHONE NO. (858)451-6100
ADDRESS: 11590 W. BERNARDO CT. SUITE 100 SAN DIEGO, CA 92127

PERMITS
REZONE PERMIT NO. _____
SPECIAL USE PERMIT NO. _____
GRADING PERMIT NO. _____

COUNTY APPROVED CHANGES

NO.	DESCRIPTION	APPROVED BY	DATE

BENCH MARK
NAME: H116
LOCATION: N 1838891.823 E 6422319.031
DESCRIPTION: USBM
ELEVATION: 2442.400' DATUM: NAVD 88

NAME: HOT SPRING
LOCATION: N 1804471.890 E 6582919.609
DESCRIPTION: USBM
ELEVATION: 2799.320' DATUM: NAVD 88

NAME: _____
LOCATION: _____
DESCRIPTION: _____
ELEVATION: _____ DATUM: _____

PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	SHEETS
3		7

IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

TRAFFIC CONTROL DETAILS

ENGINEER OF WORK	CHECKED BY:	IMPROVEMENT PLAN NO.
STEPHEN K. SMITH R.C.E. 29708		

SPL-8E (LINK 2) | 08E-DWY-03

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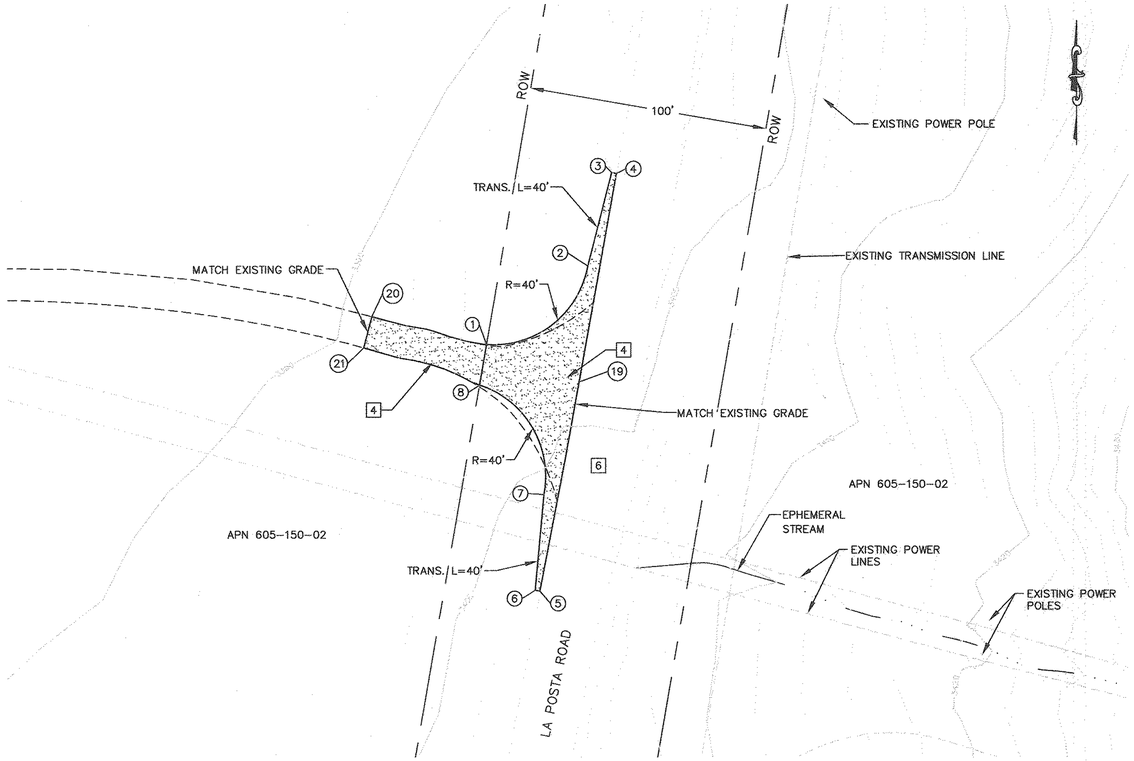

ACCESS TO P116-1 (PERMIT 8E-2)

SCALE: 1"=30'

QUANTITIES:

4	AGGREGATE BASE:	2,824 SF
6	TRAFFIC CONTROL:	LS

4 CONSTRUCT 8" CLASS II AGGREGATE BASE ROAD ENTRANCE, DETAILS ON SHEET 2.

6 PROVIDE CONSTRUCTION TRAFFIC CONTROL AS APPROPRIATE TA-6, TA-10 OR TA-11 RESTORE TO TWO LANE OPERATION AT NIGHT WITH

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1840587.77	6506361.27		BC
2	1840620.59	6506403.67		EC
3	1840659.45	6506413.65		EG
4	1840659.10	6506415.62		EG
5	1840484.81	6506383.67		EG
6	1840485.19	6506381.70		EG
7	1840525.21	6506385.33		BC
8	1840570.83	6506358.35		EC
19	1840572.10	6506400.04		EG/CL
20	1840599.38	6506313.16		EG
21	1840586.38	6506309.79		EG

01 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 NAY 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.

01 WITH REGARD ONLY TO THE WORK SHOWN ON THESE PLANS FOR THE SDG&E SUNRISE POWERLINK DRIVEWAY IMPROVEMENTS (ACCESS FROM LA POSTA ROAD) ON APN 605-150-02, 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.

Kenneth J. Brazell — 7-02-10
FOR DIRECTOR OF PUBLIC WORKS — DATE

IFC SHEET REVISIONS				
REVISION NUMBER	DESCRIPTION	DATE	DRAFTED BY	APPROVED BY
01	MEET & CONFER/INSPECTION NOTES, TITLE BLOCK.	8/19/2010	JB	MB

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	LEGAL DESCRIPTION
ASSESSORS PARCEL NO. 605-150-02	ASSESSORS PARCEL NO.
RECORD PLAN	**RECORD PLAN**
NAME:	NAME:
R.C.E.	R.C.E.
DATE:	DATE:

ENGINEER OF WORK

REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

NAME: STEPHEN K. SMITH
PHONE NO. (858)451-6100
ADDRESS: 11590 W. BERNARDO CT. SUITE 100 SAN DIEGO, CA. 92127

PERMITS

REZONE PERMIT NO.
SPECIAL USE PERMIT NO.
GRADING PERMIT NO.

COUNTY APPROVED CHANGES

NO.	DESCRIPTION	APPROVED BY	DATE

BENCH MARK

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LOCATION: N 1804471.890 E 6582919.609
DESCRIPTION: USBM
ELEVATION: 2799.320' DATUM: NAVD 88

NAME:
LOCATION:
DESCRIPTION:
ELEVATION: DATUM:

PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	SHEETS
4		7

IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

ACCESS ROAD IMPROVEMENTS ON OLD HIGHWAY 80 & LA POSTA ROAD PERMIT 8E-2

ENGINEER OF WORK: STEPHEN K. SMITH R.C.E. 29708	CHECKED BY:	IMPROVEMENT PLAN NO.
SPL-8E (LINK 2)	08E-DWY-04	

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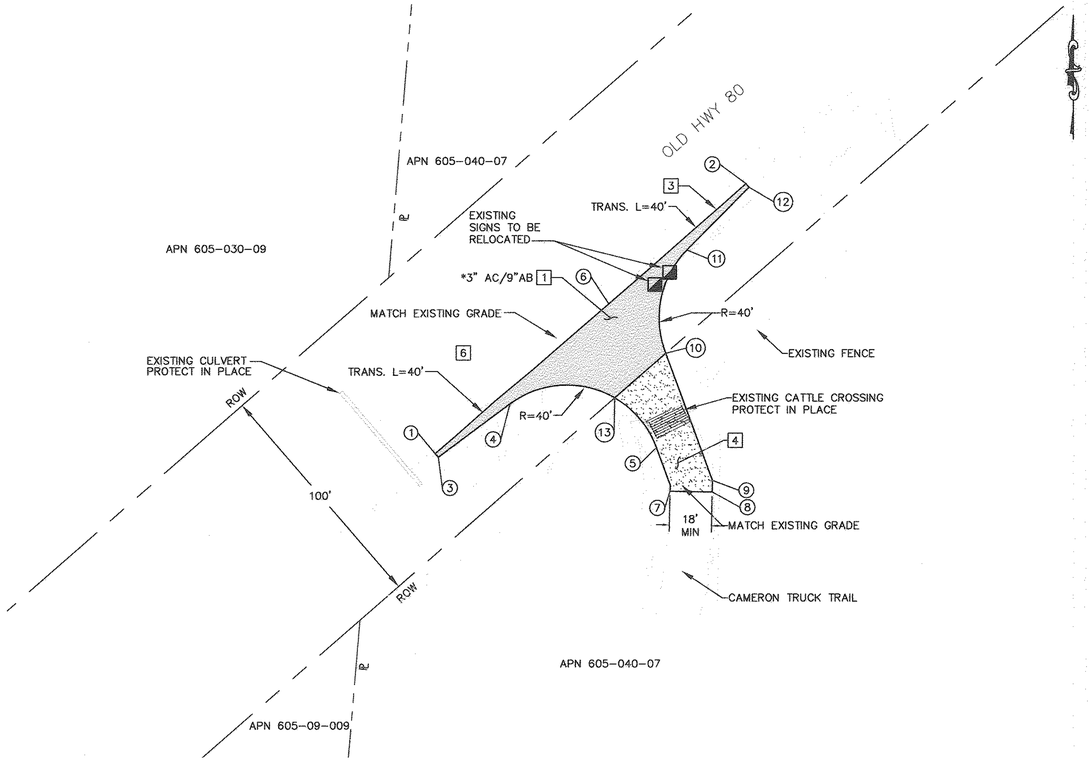


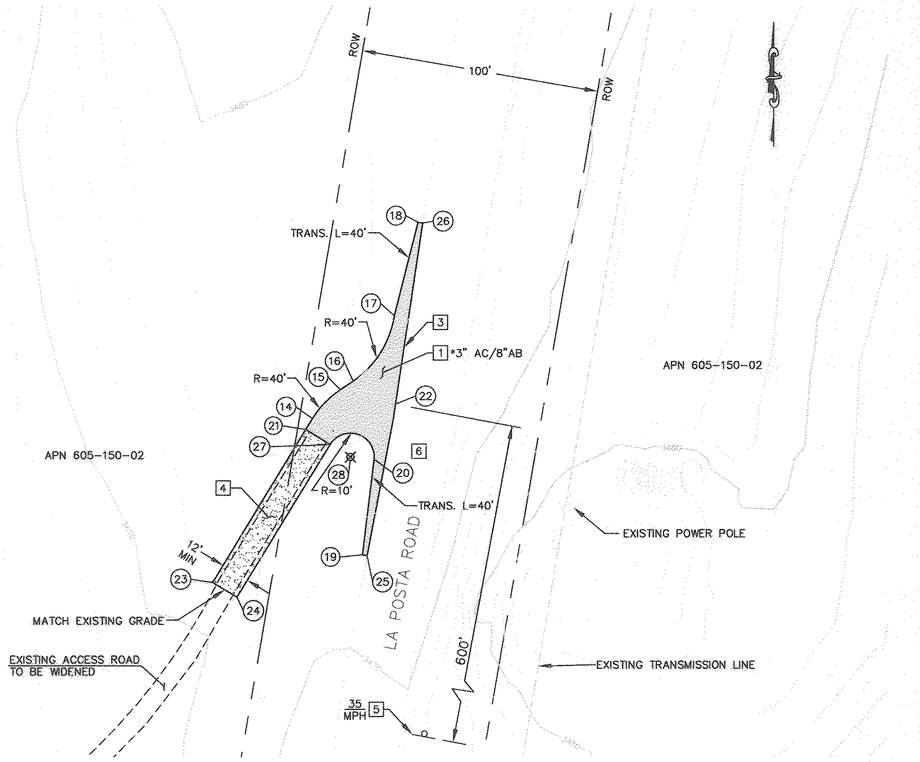
ACCESS TO P103-2, P105-2 & PULLSITE (PERMIT 8E-3)

SCALE: 1"=30'

QUANTITIES:

1	PAVEMENT SECTION:	2,106 SF
3	SAWCUT:	102 LF
4	AGGREGATE BASE:	955 SF
6	TRAFFIC CONTROL:	LS

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1842270.55	6500934.25		EG
2	1842383.16	6501064.41		EG
3	1842269.03	6500935.56		EG
4	1842291.34	6500965.61		BC
5	1842273.02	6501026.99		EG
6	1842333.07	6501007.00		CL
7	1842254.84	6501032.66		EG
8	1842254.48	6501050.31		EG
9	1842259.37	6501050.41		EG
10	1842312.43	6501030.88		EC
11	1842355.48	6501039.69		BC
12	1842381.65	6501065.71		EG
13	1842293.84	6501009.48		EG



ACCESS TO P112-3, P113-4 & PULLSITE (PERMIT 8E-4)

SCALE: 1"=30'

QUANTITIES:

1	PAVEMENT SECTION:	1,306 SF
3	SAWCUT:	102 LF
4	AGGREGATE BASE:	894 SF
5	SIGN:	1 EA
6	TRAFFIC CONTROL:	LS

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
14	1838239.80	6505961.59		BC
15	1838251.93	6505973.30		EC
16	1838255.51	6505978.64		BC
17	1838282.77	6505995.91		EC
18	1838321.72	6506005.82		EG
19	1838183.04	6505982.55		EG
20	1838222.83	6505987.47		EG
21	1838235.24	6505958.76		BC
22	1838245.81	6505996.34		CL
23	1838171.50	6505919.73		EG
24	1838165.42	6505929.97		EG
25	1838182.67	6505984.51		EG
26	1838321.42	6506007.80		EG
27	1838228.97	6505968.99		EC
28	1838223.73	6505977.51		RP

CONSTRUCTION NOTE:

1. CONSTRUCT * ASPHALT CONCRETE OVER * CLASS II AGGREGATE BASE
3. SAWCUT AND JOIN EXISTING PAVEMENT
4. CONSTRUCT 8" CLASS II AGGREGATE BASE ROAD ENTRANCE, DETAILS ON SHEET 2.
5. INSTALL SIGN W11-10 (TRUCK) WITH W13-IP (XX MPH).
6. PROVIDE CONSTRUCTION TRAFFIC CONTROL AS APPROPRIATE TA-6, TA-10 OR TA-11 RESTORE TO TWO LANE OPERATION AT NIGHT WITH TA-1,TA-3 OR TA-6 AT NIGHT AS APPROPRIATE PER DETAIL ON SHEET 3

NOTE:

1. * STRUCTURAL SECTION IS SHOWN ON PLANS

01 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 NAY 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.

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Kenneth J. Brazell — 7-02-10
FOR DIRECTOR OF PUBLIC WORKS — DATE

IFC SHEET REVISIONS				
REVISION NUMBER	DESCRIPTION	DATE	DRAFTED BY	APPROVED BY
01	MEET & CONFER/INSPECTION NOTES, TITLE BLOCK	8/19/2010	JB	MB

Bureau Veritas North America
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Tel: (858) 451-6100 Fax: (858) 451-2846
www.us.bureauveritas.com

LEGAL DESCRIPTION
ASSESSORS PARCEL NO. 605-040-07

RECORD PLAN
NAME:
R.C.E.
DATE:

LEGAL DESCRIPTION
ASSESSORS PARCEL NO. 605-150-02

RECORD PLAN
NAME:
R.C.E.
DATE:

ENGINEER OF WORK

REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH RCE 29708 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

NAME: STEPHEN K. SMITH
PHONE NO. (858)451-6100
ADDRESS: 11590 W. BERNARDO CT. SUITE 100 SAN DIEGO, CA. 92127

PERMITS
REZONE PERMIT NO.
SPECIAL USE PERMIT NO.
GRADING PERMIT NO.

COUNTY APPROVED CHANGES

NO.	DESCRIPTION	APPROVED BY	DATE

BENCH MARK

NAME: H116
LOCATION: N 1838891.823 E 6422319.031
DESCRIPTION: USBM
ELEVATION: 2442.400' DATUM: NAVD 88

NAME: HOT SPRING
LOCATION: N 1804471.890 E 6582919.609
DESCRIPTION: USBM
ELEVATION: 2799.320' DATUM: NAVD 88

NAME:
LOCATION:
DESCRIPTION:
ELEVATION: DATUM:

PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	SHEETS
5		7

IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

ACCESS ROAD IMPROVEMENTS ON OLD HIGHWAY 80 & LA POSTA ROAD PERMIT 8E-3 & 8E-4

ENGINEER OF WORK	CHECKED BY:	IMPROVEMENT PLAN NO.
STEPHEN K SMITH R.C.E. 29708		
SPL-8E (LINK 2)		08E-DWY-05

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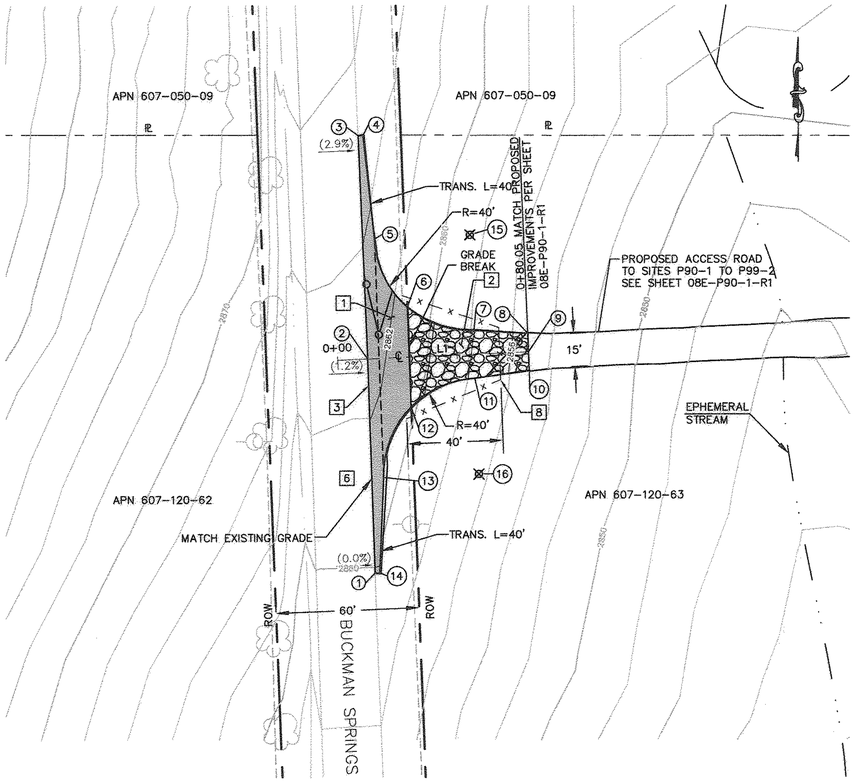


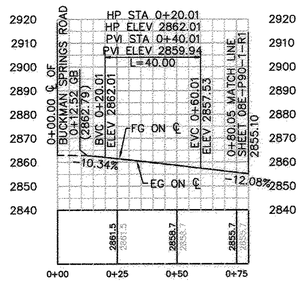
ACCESS ROAD TO TOWER P90-1 TO P99-2 (PERMIT 8E-5)

SCALE: 1"=30'

QUANTITIES:

1	PAVEMENT SECTION:	1,537	SF
2	STABILIZED ROCK:	1,132	SF
3	SAWCUT:	183	LF
6	TRAFFIC CONTROL:		LS
8	FENCE:	108	LF

LENGTH OF ROAD: 80 LF



PROFILE: ACCESS ROAD TO TOWER P90-1 TO P99-2

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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1818403.39	6488534.67	(2859.93)	EP
2	1818492.97	6488531.58	(2862.79)	CL/EP
3	1818586.26	6488527.63	(2865.19)	EP
4	1818586.34	6488529.63	2865.15	FG
5	1818543.14	6488534.48	2863.21	BC/FG
6	1818514.58	6488548.29	2861.17	POC/FG
7	1818504.88	6488576.15	2857.81	EB/FG
8	1818503.58	6488598.72	2855.24	FG
9	1818495.85	6488599.05	2855.10	CL/FG
10	1818488.14	6488599.38	2854.96	FG
11	1818484.88	6488576.56	2857.47	BC/FG
12	1818473.11	6488549.89	2860.36	POC/FG
13	1818443.54	6488538.29	2861.16	EC/FG
14	1818403.46	6488536.67	2859.91	FG
15	1818544.85	6488574.44		RP
16	1818444.92	6488578.27		RP

EARTHWORK QUANTITIES:

CUT: 1 CY
FILL: 11 CY
NET: 10 CY

LENGTH OF ACCESS ROAD 80 LF

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		80.05	N87°33'25"E

CONSTRUCTION NOTE:

1. CONSTRUCT 3" ASPHALT CONCRETE OVER 9" CLASS II AGGREGATE BASE
2. CONSTRUCT STABILIZED CONSTRUCTION APPROACH AT CONSTRUCTION ENTRANCE PER DETAILS ON SHEET 2.
3. SAWCUT AND JOIN EXISTING PAVEMENT
4. CONSTRUCT 8" CLASS II AGGREGATE BASE ROAD ENTRANCE, DETAILS ON SHEET 2.
5. INSTALL SIGN W11-10 (TRUCK) WITH W13-IP (XX MPH).
6. PROVIDE CONSTRUCTION TRAFFIC CONTROL AS APPROPRIATE TA-6, TA-10 OR TA-11 RESTORE TO TWO LANE OPERATION AT NIGHT WITH TA-1,TA-3 OR TA-6 AT NIGHT AS APPROPRIATE PER DETAIL ON SHEET 3
8. CONSTRUCT FENCE AND/OR GATE PER SDG&E.

01 WITH REGARD ONLY TO THE WORK SHOWN ON THESE PLANS FOR THE SDG&E SUNRISE POWERLINK DRIVEWAY IMPROVEMENTS (ACCESS FROM BUCKMAN SPRING ROAD) ON APN 607-120-63, 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.

Kenneth J. Bragell 7-02-10

FOR DIRECTOR OF PUBLIC WORKS DATE

IFC SHEET REVISIONS				
REVISION NUMBER	DESCRIPTION	DATE	DRAFTED BY	APPROVED BY
01	MEET & CONFER/INSPECTION NOTES, TITLE BLOCK PERMIT 8E-42 - DELETED	8/19/2010	JB	MB

01 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.

LEGAL DESCRIPTION	LEGAL DESCRIPTION	ENGINEER OF WORK	PERMITS
ASSESSORS PARCEL NO.	ASSESSORS PARCEL NO. 607-120-63	REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH No. 29708 Exp:3-31-11 CIVIL STATE OF CALIFORNIA	REZONE PERMIT NO.
RECORD PLAN	RECORD PLAN	NAME: STEPHEN K. SMITH	SPECIAL USE PERMIT NO.
NAME:	NAME:	PHONE NO. (858)451-6100	GRADING PERMIT NO.
R.C.E.	R.C.E.	ADDRESS: 11590 W. BERNARDO CT. SUITE 100 SAN DIEGO, CA 92127	COUNTY APPROVED CHANGES
DATE:	DATE:		NO. / DESCRIPTION / APPROVED BY / DATE

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

BENCH MARK	PRIVATE CONTRACT
NAME: H116 LOCATION: N 1838891.823 E 6422319.031 DESCRIPTION: USBM ELEVATION: 2442.400' DATUM: NAVD 88 NAME: HOT SPRING LOCATION: N 1804471.890 E 6582919.609 DESCRIPTION: USBM ELEVATION: 2799.320' DATUM: NAVD 88 NAME: LOCATION: DESCRIPTION: ELEVATION: DATUM:	SHEET 6 / COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS / 7 SHEETS IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK ACCESS ROAD IMPROVEMENTS LA POSTA ROAD & BUCKMAN SPRINGS PERMIT 8E-5 ENGINEER OF WORK: STEPHEN K. SMITH R.C.E. 29708 / CHECKED BY: / IMPROVEMENT PLAN NO. SPL-8E (LINK 2) / 08E-DWY-06

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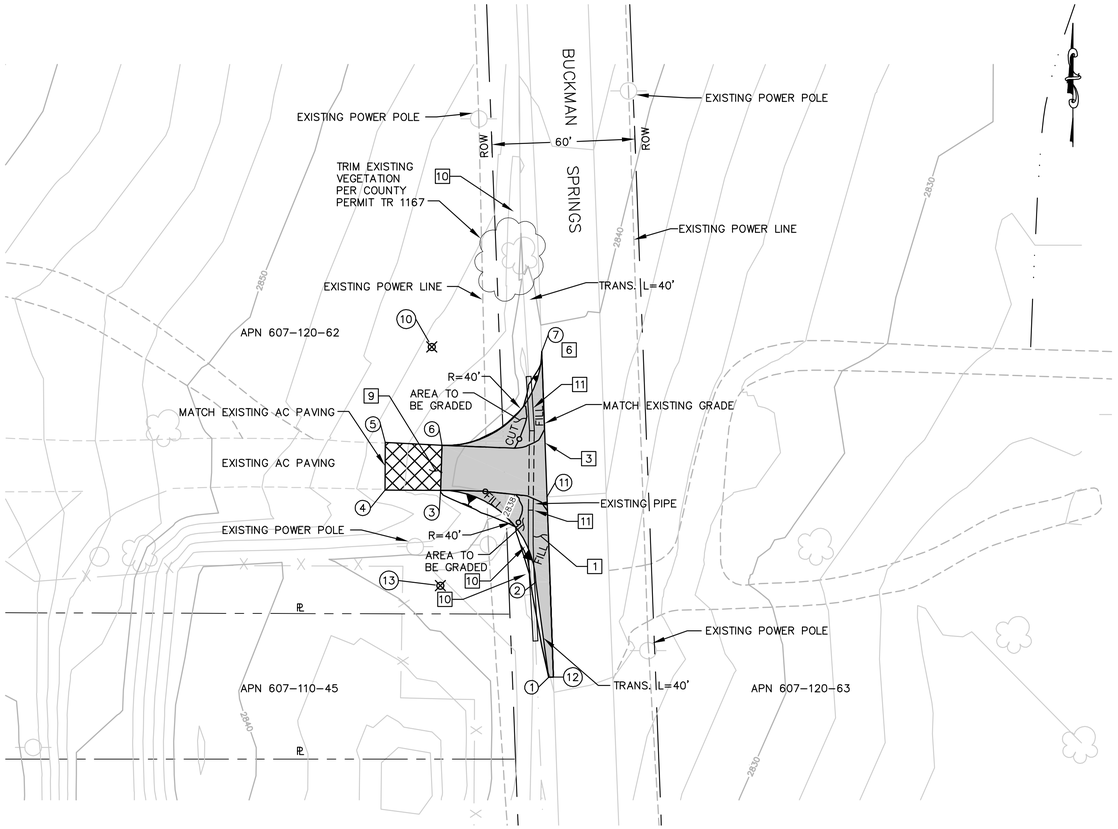

ACCESS TO P89-1 & PULLSITE (PERMIT 8E-6)

SCALE: 1"=30'

QUANTITIES:

1	PAVEMENT SECTION:	1,900 SF
3	SAWCUT:	140 LF
6	TRAFFIC CONTROL:	LS
9	2" AC OVERLAY:	460 SF
10	CULVERT:	110 LF
11	COLLAR:	2 EA

EARTHWORK QUANTITIES:

CUT: 10 CY
FILL: 13 CY
NET: 3 CY

DISTURBED AREA:

ROAD: 1275 SF

CONSTRUCTION NOTE:

1. CONSTRUCT 3" ASPHALT CONCRETE OVER 9" CLASS II AGGREGATE BASE
3. SAWCUT AND JOIN EXISTING PAVEMENT
6. PROVIDE CONSTRUCTION TRAFFIC CONTROL AS APPROPRIATE TA-6, TA-10 OR TA-11 RESTORE TO TWO LANE OPERATION AT NIGHT WITH TA-1,TA-3 OR TA-6 AT NIGHT AS APPROPRIATE PER DETAIL ON SHEET 3
9. CONSTRUCT 2" AC OVERLAY
10. CONSTRUCT CULVERT. (SIZE TO MATCH EXISTING)
11. CONSTRUCT COLLAR

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1817555.27	6488540.37	2836.17	FG
2	1817595.10	6488534.94	2837.16	FG
3	1817633.67	6488495.09	2840.95	FG
4	1817633.75	6488471.75	(2842.83)	EG
5	1817653.75	6488471.83	(2843.14)	EG
6	1817652.49	6488495.64	2840.68	EG
7	1817691.75	6488537.45	(2839.66)	EG
10	1817693.75	6488491.35		RP
11	1817630.88	6488539.66	(2838.00)	EG
12	1817555.35	6488542.37	(2836.16)	EG
13	1817593.67	6488494.95		RP

INSPECTIONS
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WITH REGARD ONLY TO THE WORK SHOWN ON THESE PLANS FOR THE SDG&E SUNRISE POWERLINK DRIVEWAY IMPROVEMENTS (ACCESS FROM BUCKMAN SPRING ROAD) ON APN 607-120-62, 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

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
ASSESSORS PARCEL NO. 607-120-62
RECORD PLAN
NAME:
R.C.E.
DATE:

LEGAL DESCRIPTION
ASSESSORS PARCEL NO.
RECORD PLAN
NAME:
R.C.E.
DATE:

ENGINEER OF WORK
REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH RCE 29708 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA
NAME: STEPHEN K. SMITH
PHONE NO. (858)451-6100
ADDRESS: 11590 W. BERNARDO CT. SUITE 100 SAN DIEGO, CA 92127

PERMITS
REZONE PERMIT NO.
SPECIAL USE PERMIT NO.
GRADING PERMIT NO.

COUNTY APPROVED CHANGES

NO.	DESCRIPTION	APPROVED BY	DATE

BENCH MARK
NAME: H116
LOCATION: N 1838891.823 E 6422319.031
DESCRIPTION: USBM
ELEVATION: 2442.400' DATUM: NAVD 88
NAME: HOT SPRING
LOCATION: N 1804471.890 E 6582919.609
DESCRIPTION: USBM
ELEVATION: 2799.320' DATUM: NAVD 88
NAME:
LOCATION:
DESCRIPTION:
ELEVATION: DATUM:

PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	SHEETS
7		7

IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

ACCESS ROAD IMPROVEMENTS
BUCKMAN SPRINGS
PERMIT 8E-6

ENGINEER OF WORK	CHECKED BY:	IMPROVEMENT PLAN NO.
STEPHEN K. SMITH R.C.E. 29708		

SPL-8E (LINK 2) | 08E-DWY-07

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