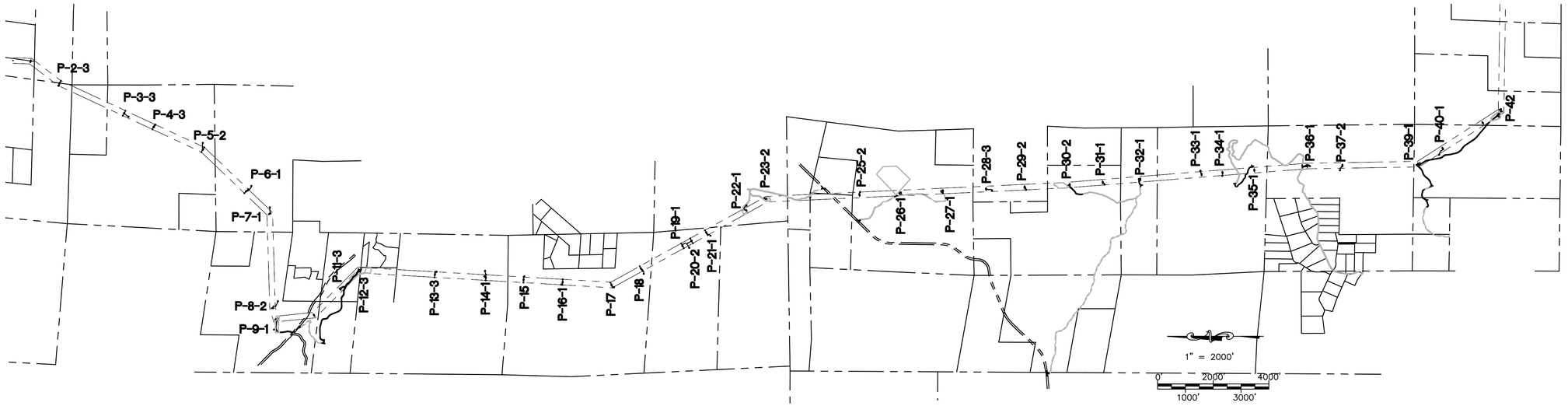
SUNRISE POWERLINK PROJECT

SECTION 8A (LINK 2)

500kV LINE



OFF-SITE WORK TO BE DONE

SITE / ACCESS ROAD	SHEET NUMBER
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS	08A-P1-3-P7-1-KEY01
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS	08A-P8-2-P16-1-KEY02
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS	08A-P17-P27-1-KEY03
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS	08A-P28-3-P36-1-KEY04
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS	08A-P37-2-P42-KEY05
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS	08A-BARRETT-KEY06
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS	08A-CINAMON-KEY07

01 ON-SITE WORK TO BE DONE

SITE / ACCESS ROAD	SHEET NUMBER
ACCESS ROAD TO SITE P-9-1	08A-P09-1-R1
SITE P-9-1	08A-P09-1-S1
SITE P-11-3	08A-P11-3-S1
ACCESS ROAD TO SITE P-11-3 & P-12-3	08A-P11-3-R1
ACCESS ROAD TO SITE P-11-3 & P-12-3	08A-P11-3-R2
ACCESS ROAD TO SITE P-11-3 & P-12-3	08A-P11-3-R3
SITE P-12-3	08A-P12-3-S1
SITE P-26-1	08A-P26-1-S1
SITE P-27-1	08A-P27-1-S1
SITE P-30-2	08A-P30-2-S1
SITE P-32-1	08A-P32-1-S1
SITE P-35-1	08A-P35-1-S1
ACCESS ROAD TO SITE P-35-1	08A-P35-1-R1
SITE P-36-1	08A-P36-1-S1
SITE P-39-1	08A-P39-1-S1
ACEESS ROAD TO SITE P-39-1	08A-P39-1-R1
ACEESS ROAD TO SITE P-39-1	08A-P39-1-R2
SITE P-42	08A-P42-S1
ACCESS ROAD TO SITE P-42	08A-P42-R1
ACCESS ROAD TO SITE P-42	08A-P42-R2
ACCESS ROAD TO SITE P-42	08A-P42-R3
ACCESS ROAD TO SITE P-42	08A-P42-R4
ACCESS ROAD TO SITE P-42	08A-P42-R5

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

SITE / ACCESS ROAD	SHEET NUMBER
SITE P-2-3	08A-P2-3 & P3-3-TSAP
SITE P-3-3	08A-P2-3 & P3-3-TSAP
SITE P-4-3	08A-P4-3 & P5-2-TSAP
SITE P-5-2	08A-P4-3 & P5-2-TSAP
SITE P-6-1	08A-P6-1 & P7-1-TSAP
SITE P-7-1	08A-P6-1 & P7-1-TSAP
SITE P-8-2	08A-P8-2-TSAP
SITE P-13-3	08A-P13-3 & P14-1-TSAP
SITE P-14-1	08A-P13-3 & P14-1-TSAP
SITE P-15	08A-P15 & P16-1-TSAP
SITE P-16-1	08A-P15 & P16-1-TSAP
SITE P-17	08A-P17 & P18-TSAP
SITE P-18	08A-P17 & P18-TSAP
SITE P-19-1	08A-P19-1 & P20-2-TSAP
SITE P-20-2	08A-P19-1 & P20-2-TSAP
SITE P-21-1	08A-P21-1 & P22-1-TSAP
SITE P-22-1	08A-P21-1 & P22-1-TSAP
SITE P-23-2	08A-P23-2 & P25-2-TSAP
SITE P-25-2	08A-P23-2 & P25-2-TSAP
SITE P-28-3	08A-P28-3-TSAP
SITE P-29-2	08A-P29-2 & P31-1-TSAP
SITE P-31-1	08A-P29-2 & P31-1-TSAP
SITE P-33-1	08A-P33-1 & P34-1-TSAP
SITE P-34-1	08A-P33-1 & P34-1-TSAP
SITE P-37-2	08A-P37-2 & P40-1-TSAP
SITE P-40-1	08A-P37-2 & P40-1-TSAP

TEMPORARY COMMUNICATION SITE

SITE	SHEET NUMBER
08A-P34-1	08A-P34-1 COMM

01 PULL-SITE WORK TO BE DONE

SITE / ACCESS ROAD	SHEET NUMBER
PULL SITE P-9-1	08A-P09-1-PS
PULL SITE (SOUTH) P-12-3	08A-P12-3-PS-A
PULL SITE (NORTH) P-12-3	08A-P12-3-PS-B
PULL SITE P-22-1	08A-P22-1-PS
ACCESS ROAD TO PULL SITE P-22-1	08A-P22-1-PS-R1
PULL SITE P-23-2	08A-P23-2-PS
PULL SITE P-30-2	08A-P30-2-PS
PULL SITE P-42	08A-P42-PS

PRIVATE ROADWAY / DRIVEWAY PLANS

SITE / ACCESS ROAD	SHEET NUMBER
TITLE SHEET	08A-DWY-01
NOTES & DETAILS	08A-DWY-02
TRAFFIC CONTROL DETAILS	08A-DWY-03
PERMIT 8A-3	08A-DWY-04
PERMIT 8A-6 & 8A-7	08A-DWY-05
PERMIT 8A-8 & 8A-9	08A-DWY-06

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

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-CVR01.dwg[JAug-23-20101524

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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 P24-1-S1	8/23/10	MM	MB										
01	REMOVE SHEET P36-PS-A&B	8/23/10	MM	MB										

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-08A (LINK 2)
TITLE SHEET

DRAWN BY: JJP	DATE: 05/05/09	SCALE: AS NOTED	W.O.
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		

REV. 0

SPL-08A-001

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.

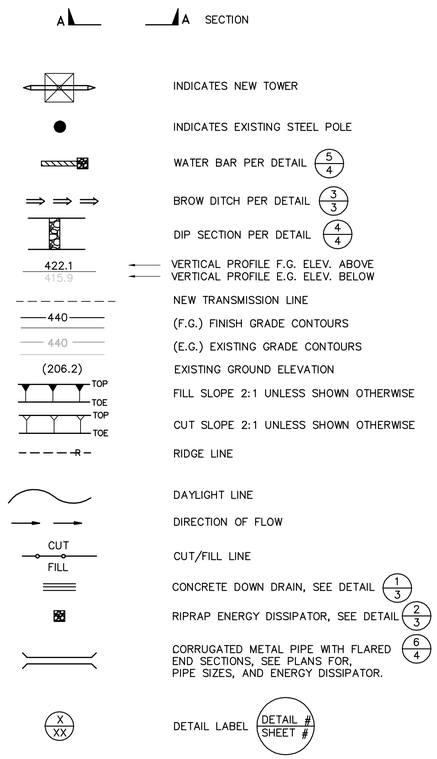
EROSION CONTROL NOTES

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



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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-08A (LINK 2)
LEGEND & GENERAL NOTES

DRAWN BY: JJP	DATE: -/-/-	SCALE: AS NOTED	W.O.	REV. 0	SPL-08A-002
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
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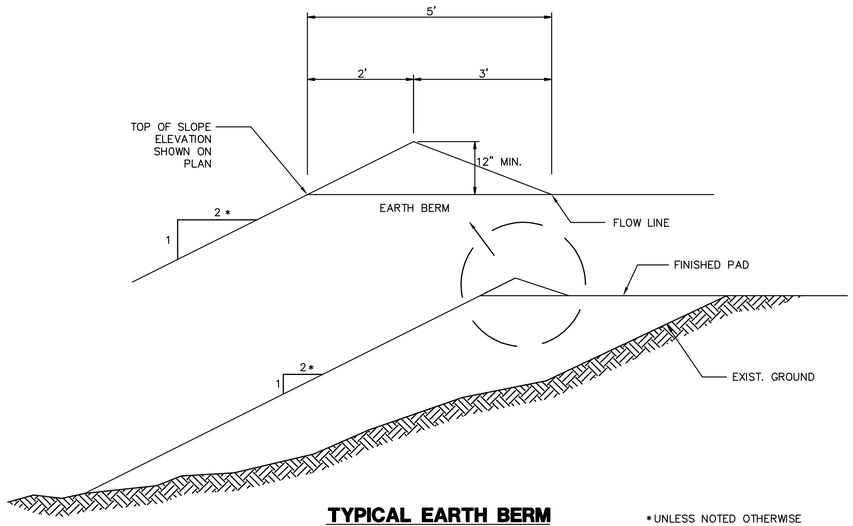
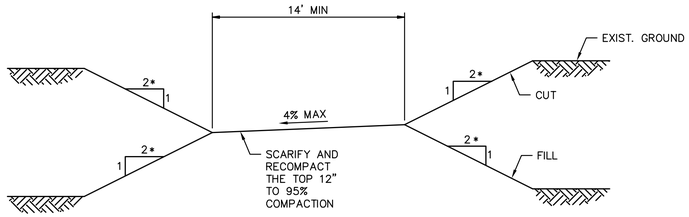


TYPICAL EARTH BERM

NTS

TO BE PLACED ON TOP OF ALL FILL SLOPES.

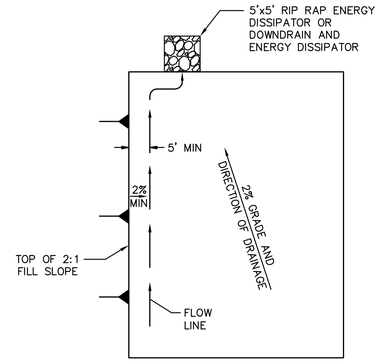
*UNLESS NOTED OTHERWISE



TYPICAL NEW ACCESS ROAD SECTION

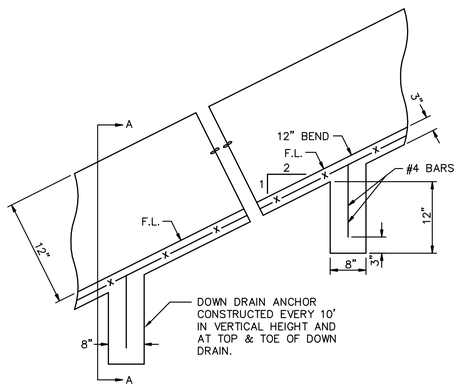
NTS

* UNLESS NOTED OTHERWISE



TYPICAL PAD DRAINAGE LAYOUT

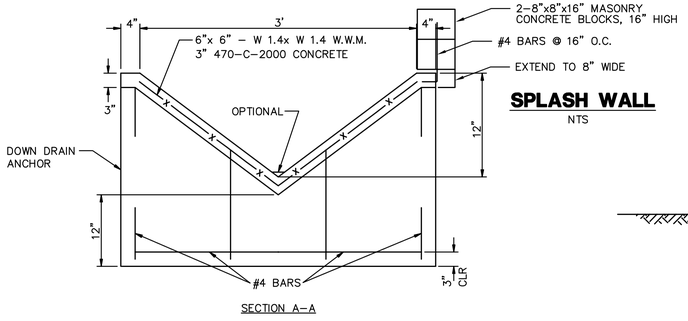
NTS



DOWN DRAIN (1/3)

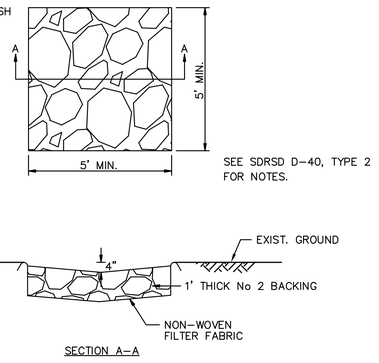
NTS

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



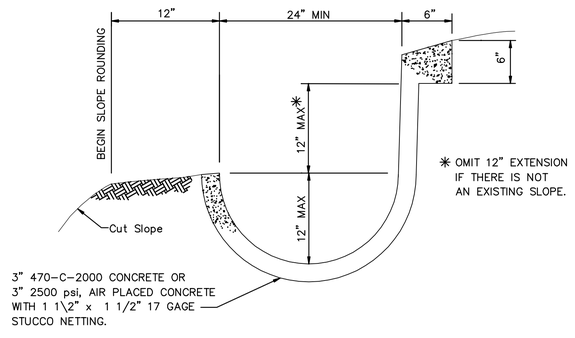
SPLASH WALL

NTS



RIPRAP ENERGY DISSIPATOR (2/3)

NTS



BROW AND/OR DRAINAGE DITCH (3/3)

NTS

LONGITUDINAL SLOPE OF LINED DITCH SHALL BE 2% MINIMUM.

GENERAL DETAILS

REVISIONS

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

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SAN DIEGO, CALIFORNIA

SPL–08A (LINK 2)
DETAIL SHEET 1 OF 2

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

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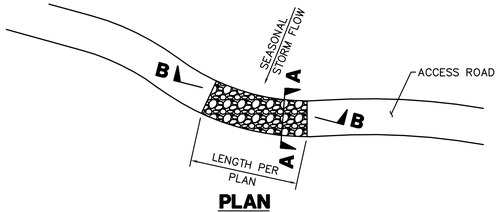
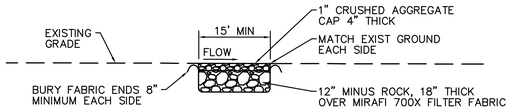
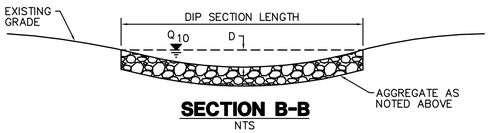


PLAN
NTS



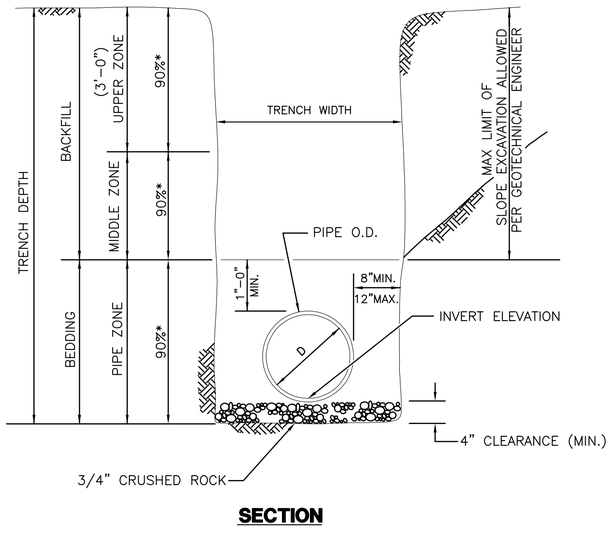
SECTION A-A
NTS



SECTION B-B
NTS

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.

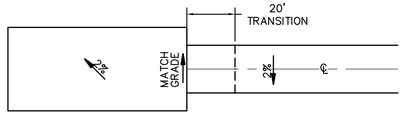
DIP SECTION (4/4)
NTS

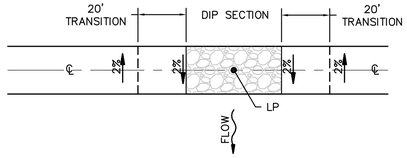


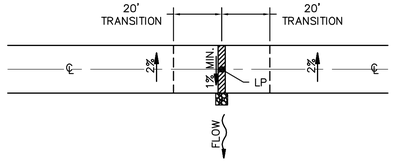
SECTION

* INDICATE MINIMUM RELATIVE COMPACTION

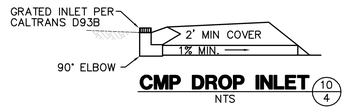
PIPE BEDDING AND TRENCH BACKFILL FOR STORM DRAINS (6/4)
NTS



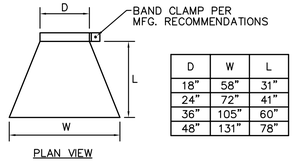




TYPICAL GRADE TRANSITIONS
NTS



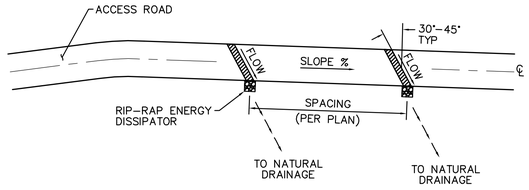
CMP DROP INLET (10/4)
NTS



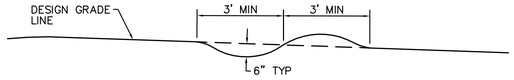
D	W	L
18"	58"	31"
24"	72"	41"
36"	105"	60"
48"	131"	78"

PLAN VIEW

CULVERT END SECTION INLET AND/OR OUTLET
NTS



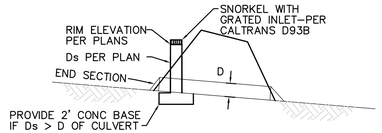
PLAN
NTS



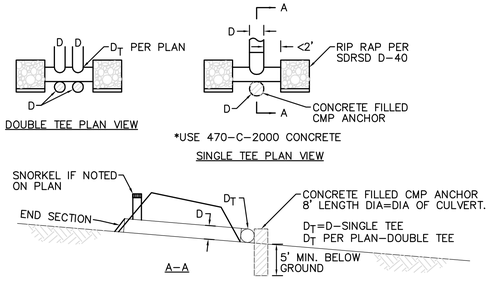
NOTE:
THE RIDGE OF EACH WATERBAR IS TO BE MAINTAINED AT AN ELEVATION AT LEAST 6 INCHES ABOVE THE ADJACENT DEPRESSION

TYPICAL SECTION
NTS

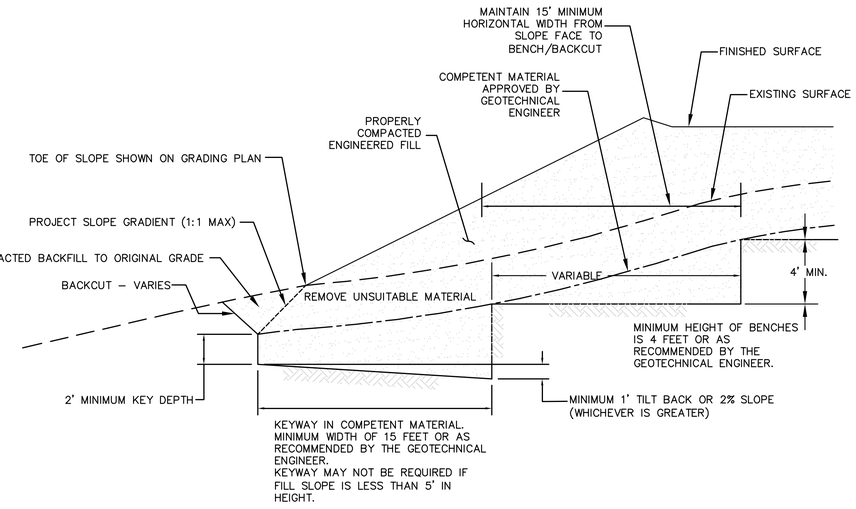
WATER BAR (5/4)
NTS



SNORKEL INLET (8/4)
NTS



TEE OUTLET (9/4)
NTS



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
NTS

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-DETAIL 2DF2.dwg[Mon, 21-2010]11:07

Bureau Veritas North America
11590 West Bernardo Court Suite 100
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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — RCE 29708 — Exp.3-31-11 — CIVIL — STATE OF CALIFORNIA

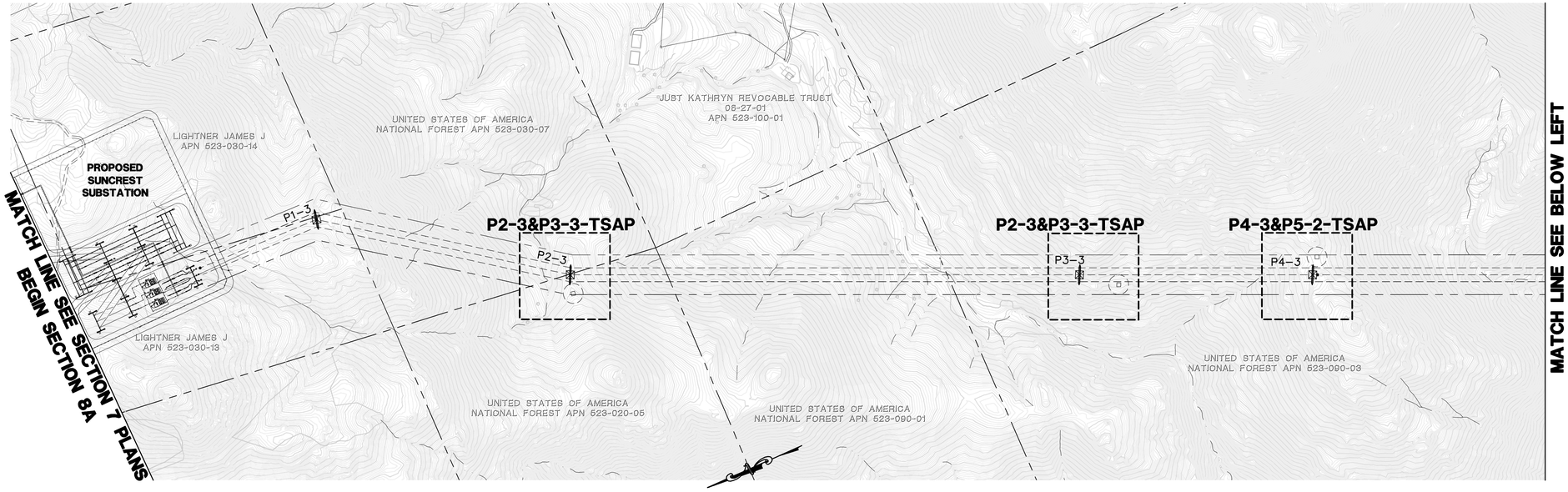
REVISIONS

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-08A (LINK 2)
DETAIL SHEET 2 OF 2

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



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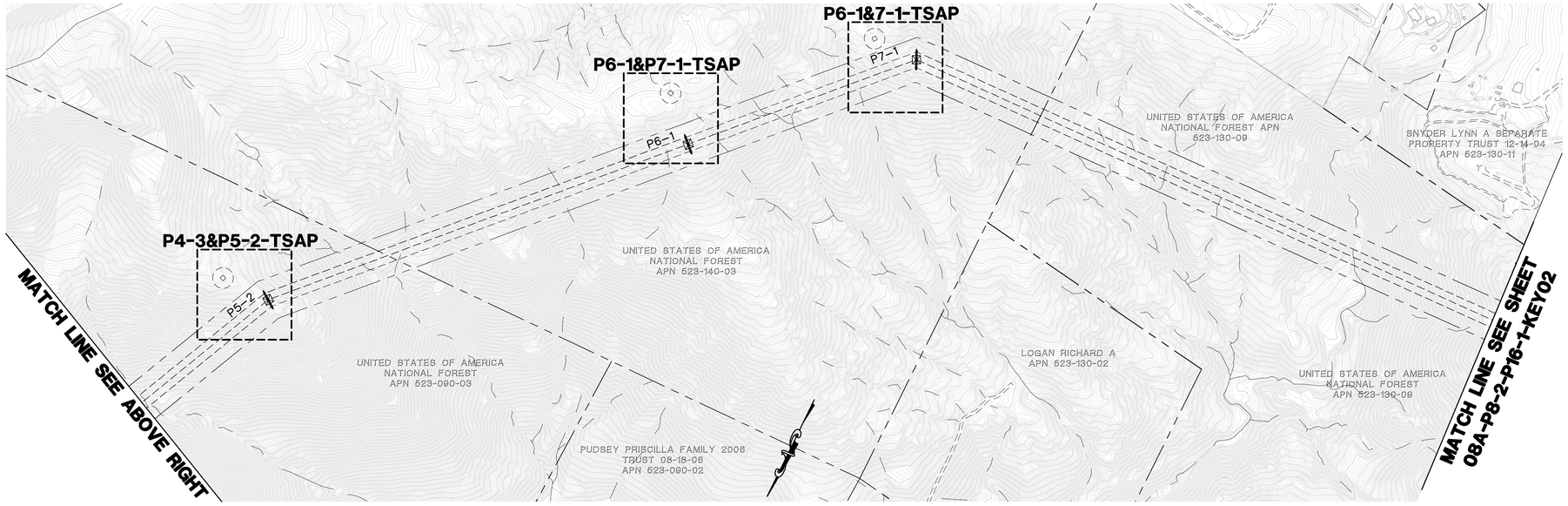

GRAPHIC SCALE
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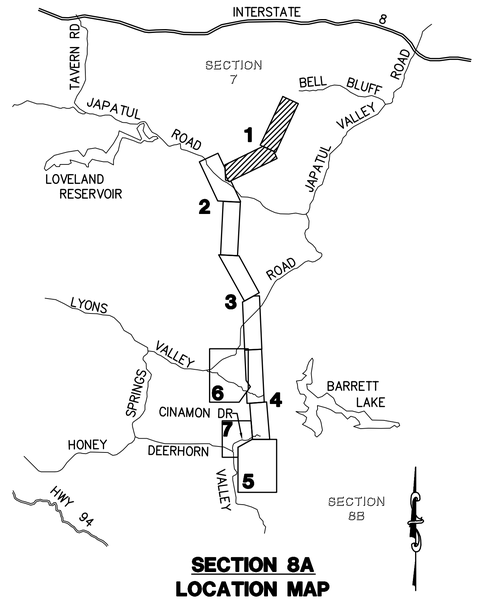
1"=300'

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



SECTION 8A LOCATION MAP

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. 29706
Exp. 3-31-YY
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–8A (LINK 2)
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS

DRAWN BY: DZ	DATE:	SCALE: 1" = 300'	W.O.	REV. 0	08A-P1-3-P7-1-KEY01
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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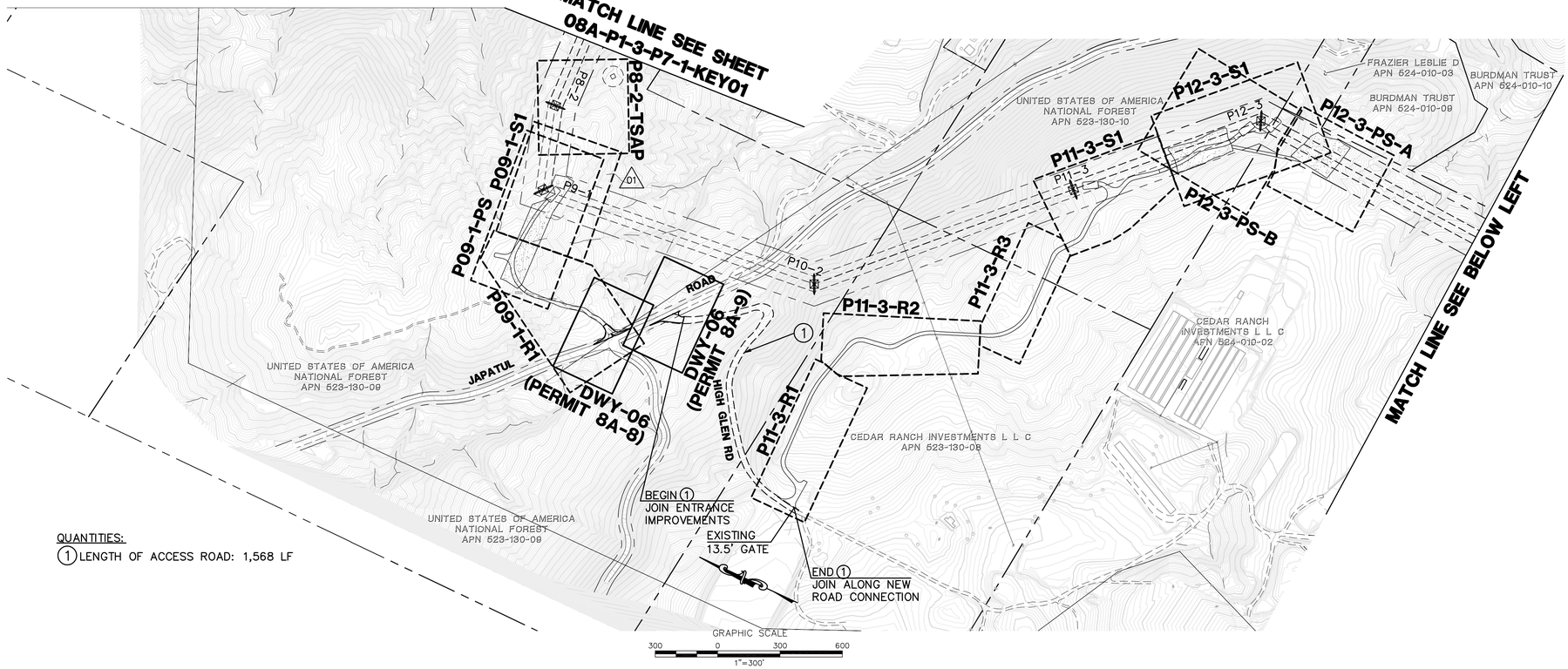
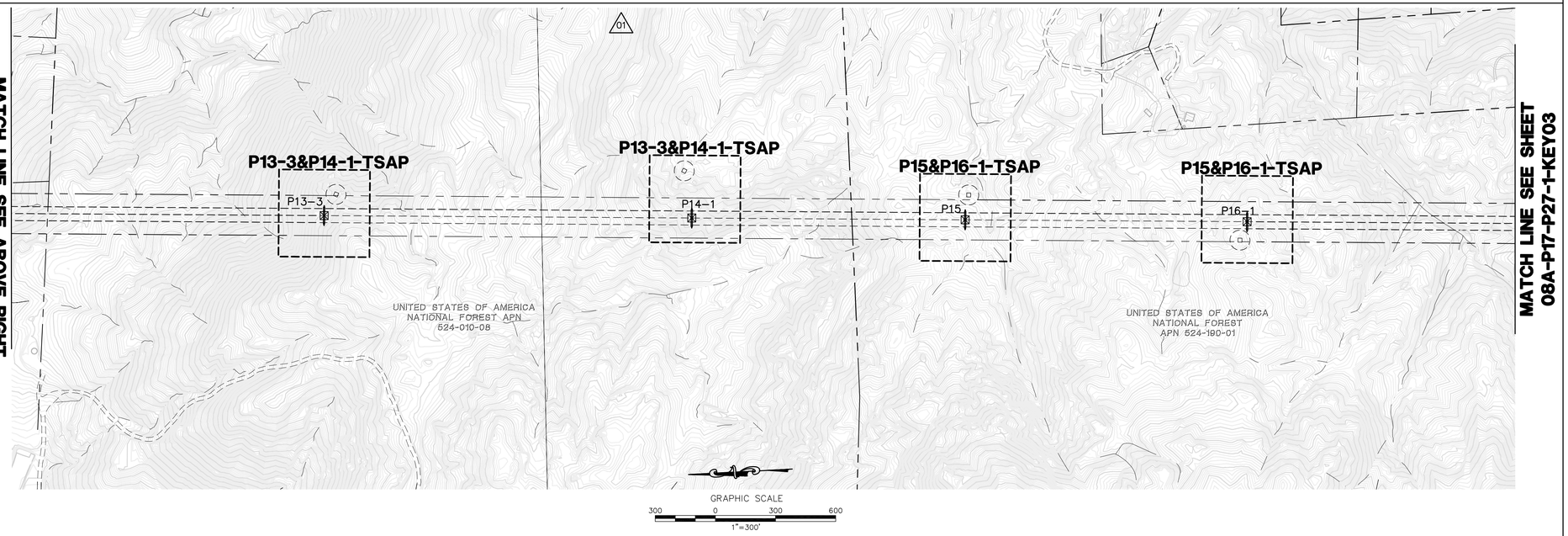


QUANTITIES:

1 LENGTH OF ACCESS ROAD: 1,568 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.

SECTION 8A LOCATION MAP

Bureau Veritas North America
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San Diego, CA 92127-1624
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www.us.bureauveritas.com

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	REVISED PULLSITE P–9	8/23/10	MM	MB

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL–8A (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:		08A–P8-2–P16-1–KEY02
CAD NO.:	PLOT SCALE: 1 = 1		

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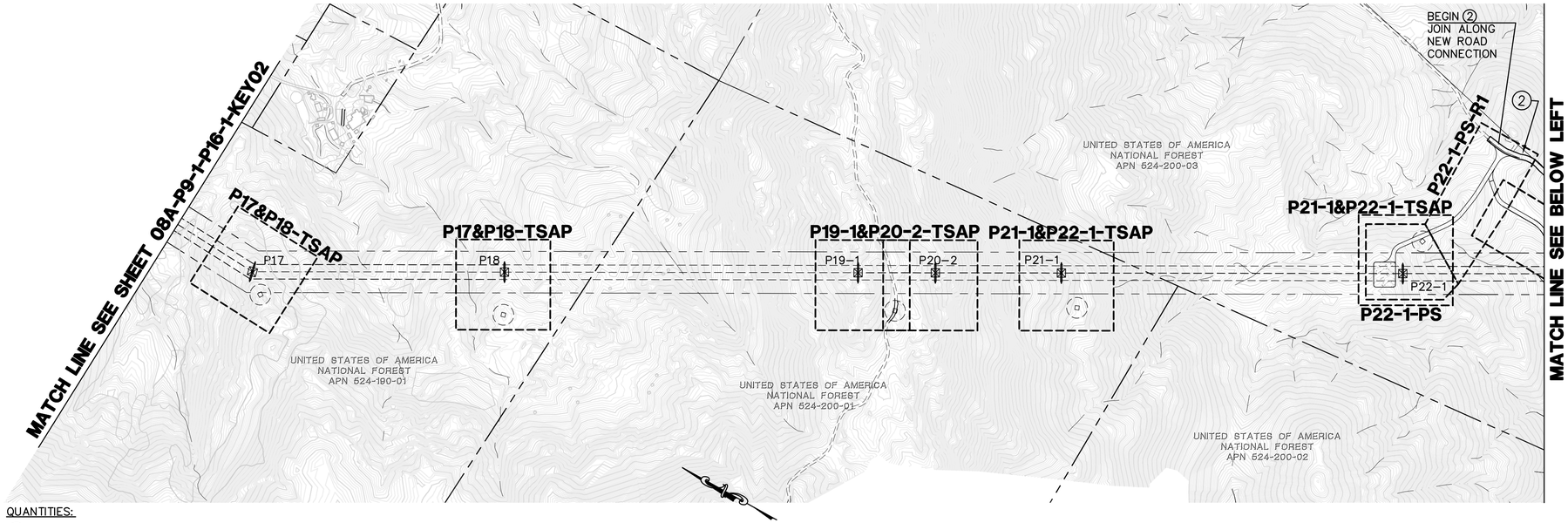

QUANTITIES:

(2) LENGTH OF ACCESS ROAD: 317 LF

GRAPHIC SCALE
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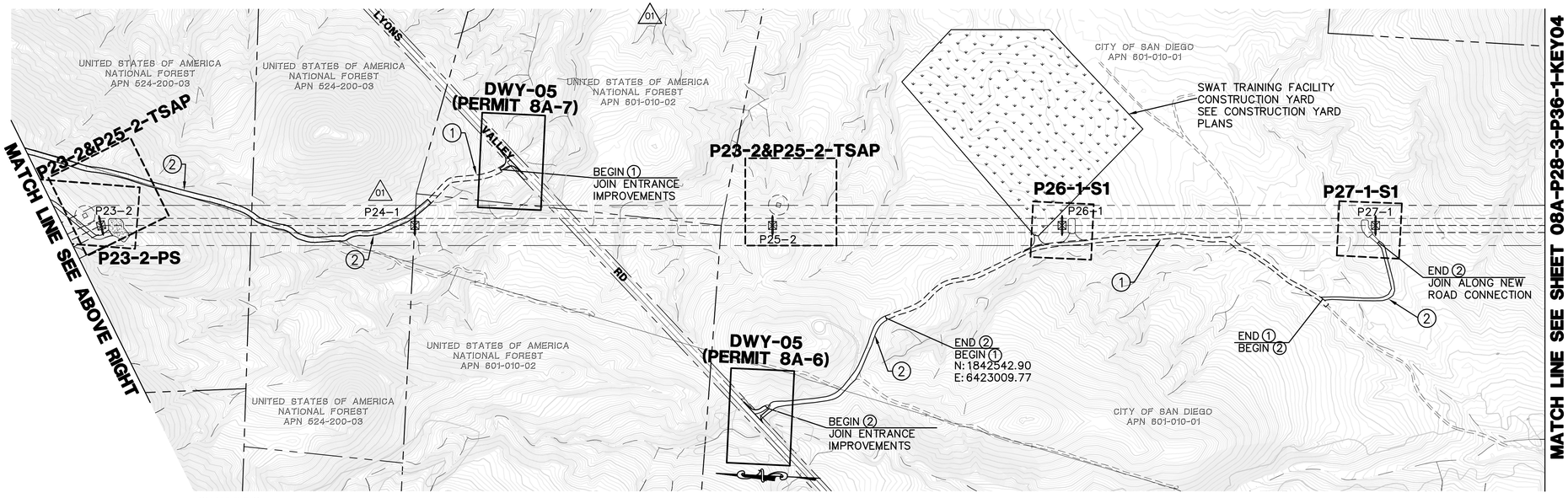
1"=300'



QUANTITIES:

(1) LENGTH OF ACCESS ROAD: 2,792 LF

(2) LENGTH OF ACCESS ROAD: 3,630 LF

GRAPHIC SCALE
300 0 300 600
1"=300'

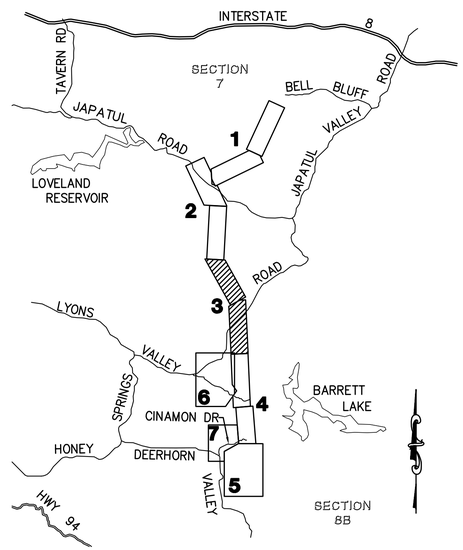
LEGEND

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.



SECTION 8A LOCATION MAP

Bureau Veritas North America
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San Diego, CA 92127-1624
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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 REFERENCE P24-1-S1	8/23/10	MM	MB										

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (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		08A-P17-P27-1-KEY03

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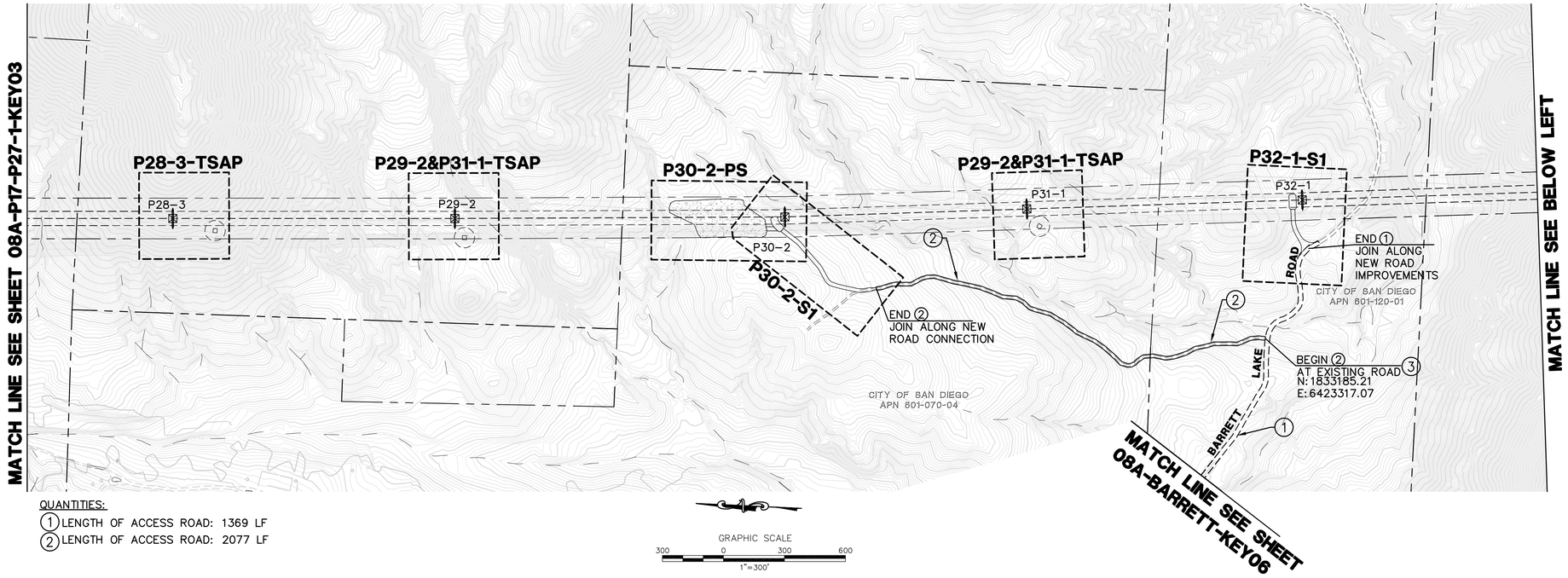

QUANTITIES:

(1) LENGTH OF ACCESS ROAD: 1369 LF

(2) LENGTH OF ACCESS ROAD: 2077 LF

GRAPHIC SCALE

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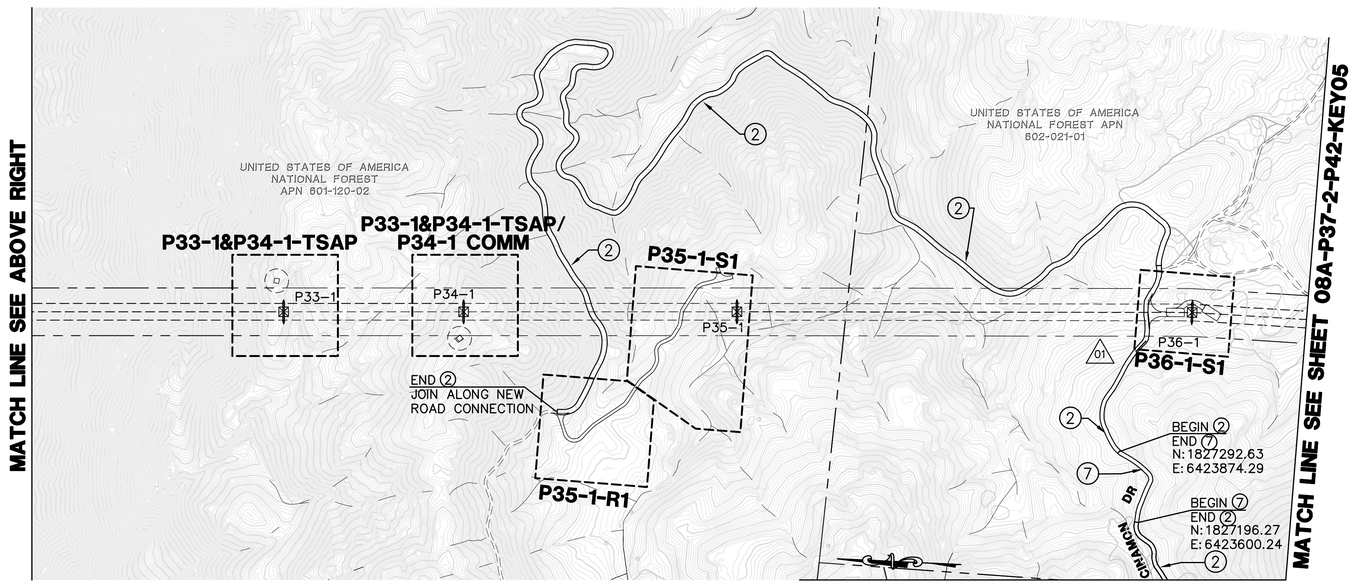
1"=300'



QUANTITIES:

(2) LENGTH OF ACCESS ROAD: 7684 LF

(7) LENGTH OF ACCESS ROAD: 371 LF

GRAPHIC SCALE

300 0 300 600

1"=300'

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

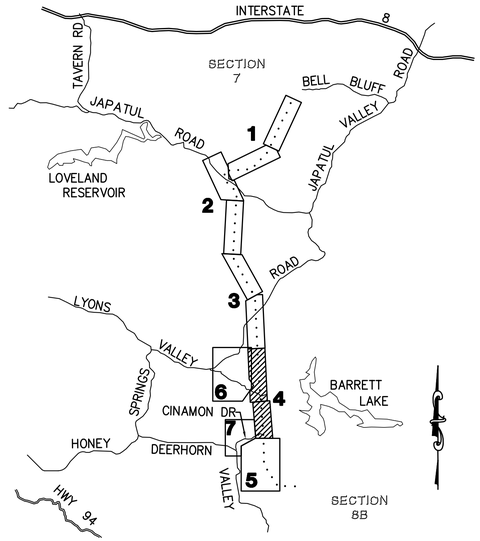
CONSTRUCTION NOTES

(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.

(3) CONSTRUCT ENTRANCE/EXIT TO EXISTING ROADWAY BY GRADING 50' RADII FLARE OUTS TO JOIN EXISTING EDGE OF ROAD.

(7) GRADE CROSS SECTION OF EXISTING ROAD TO BE UNIFORM BY REMOVING HIGH POINTS AND FILLING LOW POINTS. rEMOVE ROCKS AS NECESSARY; SOME RIPPING MAY BE REQUIRED.



SECTION 8A LOCATION MAP

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. CE 29708 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:
01	REMOVE SHEET REFERENCE P-36-PS-A&B	8/23/10	MM	MB

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (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		08A-P28-3-P36-1-KEY04

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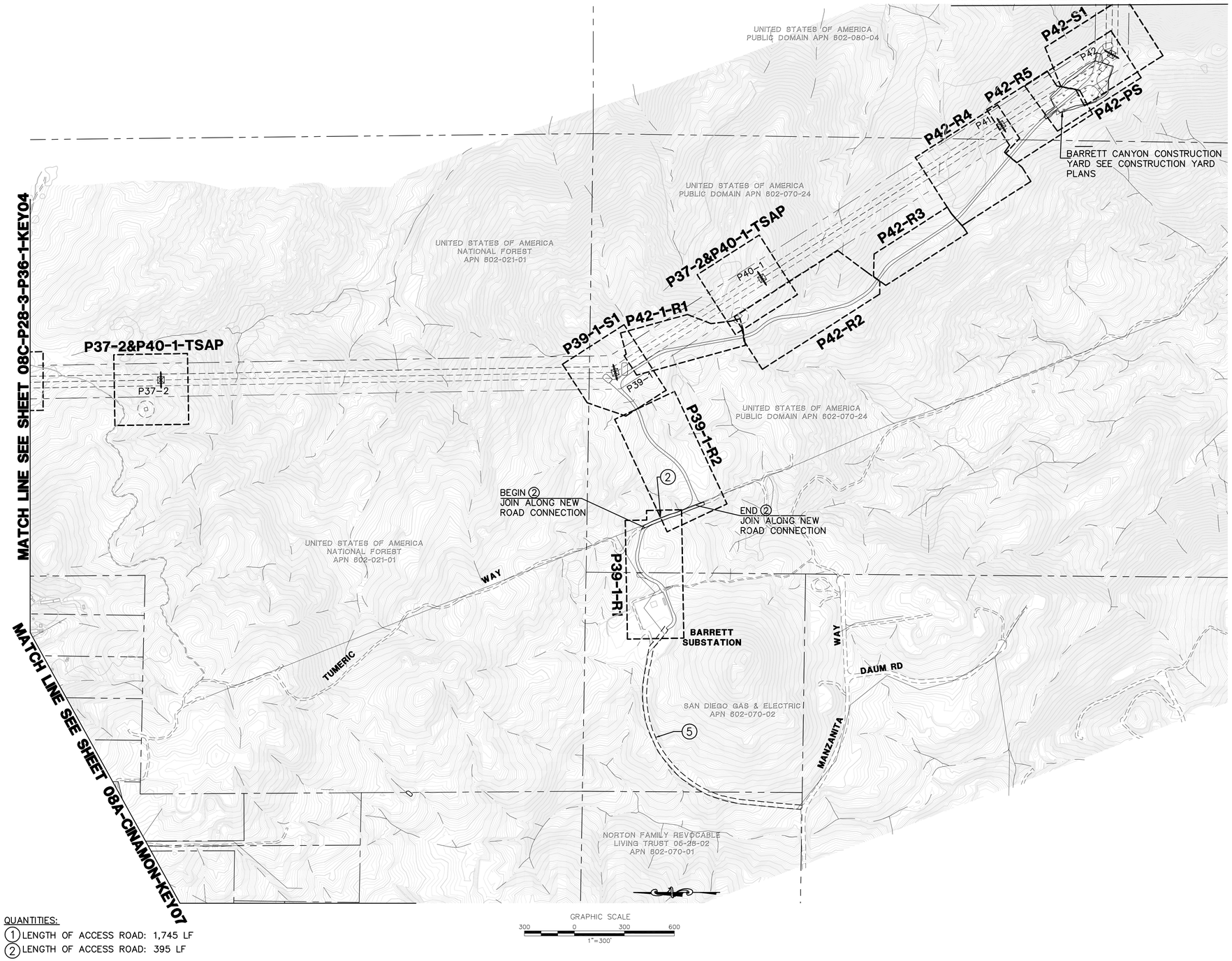
END SECTION 8A
MATCH LINE SEE SECTION 8B PLANS



GRAPHIC SCALE
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1"=300'

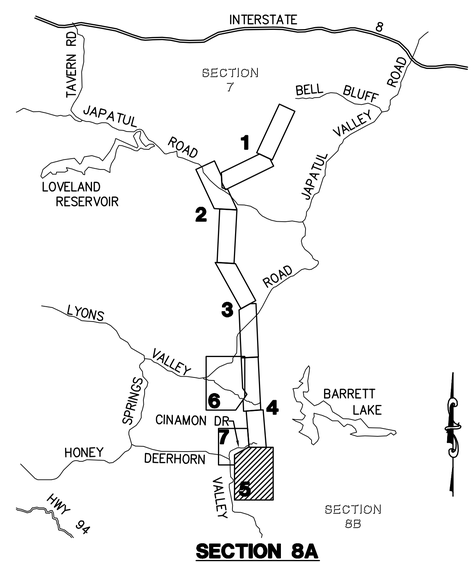
QUANTITIES:
① LENGTH OF ACCESS ROAD: 1,745 LF
② LENGTH OF ACCESS ROAD: 395 LF

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
- 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.
5. EXISTING ROAD TO REMAIN AS IS.



SECTION 8A
LOCATION MAP

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 — REG. NO. 29708 — Exp. 3-31-11C — CIVIL — STATE OF CALIFORNIA

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

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

DRAWN BY: DZ	DATE:	SCALE: 1" = 300'	W.O.	REV. 0	08A-P37-2-P42-KEY05
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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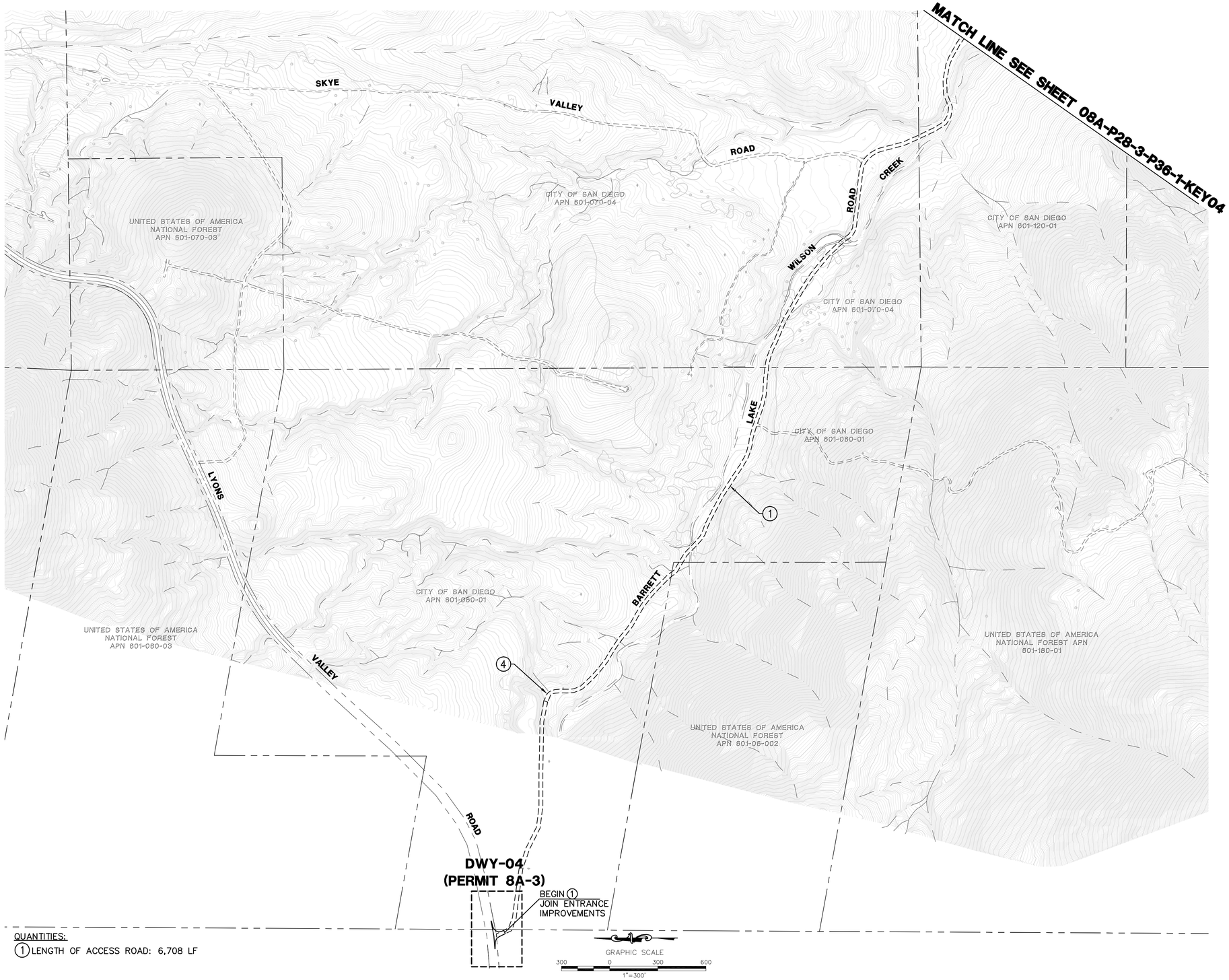


QUANTITIES:

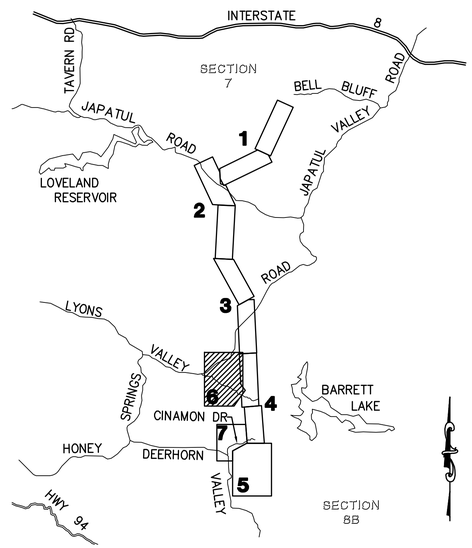
1 LENGTH OF ACCESS ROAD: 6,708 LF

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.
4. REGRADE CURVE(S) TO A MINIMUM 50' RADIUS AND 20' WIDTH.



SECTION 8A
OVERALL KEY MAP

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. SUTTER
PE# 29706
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–8A (LINK 2)
KEY MAP + MINOR ACCESS ROAD IMPROVEMENTS

DRAWN BY: DZ	DATE:	SCALE: 1" = 300'	W.O.	REV. 0	08A-BARRETT-KEY06
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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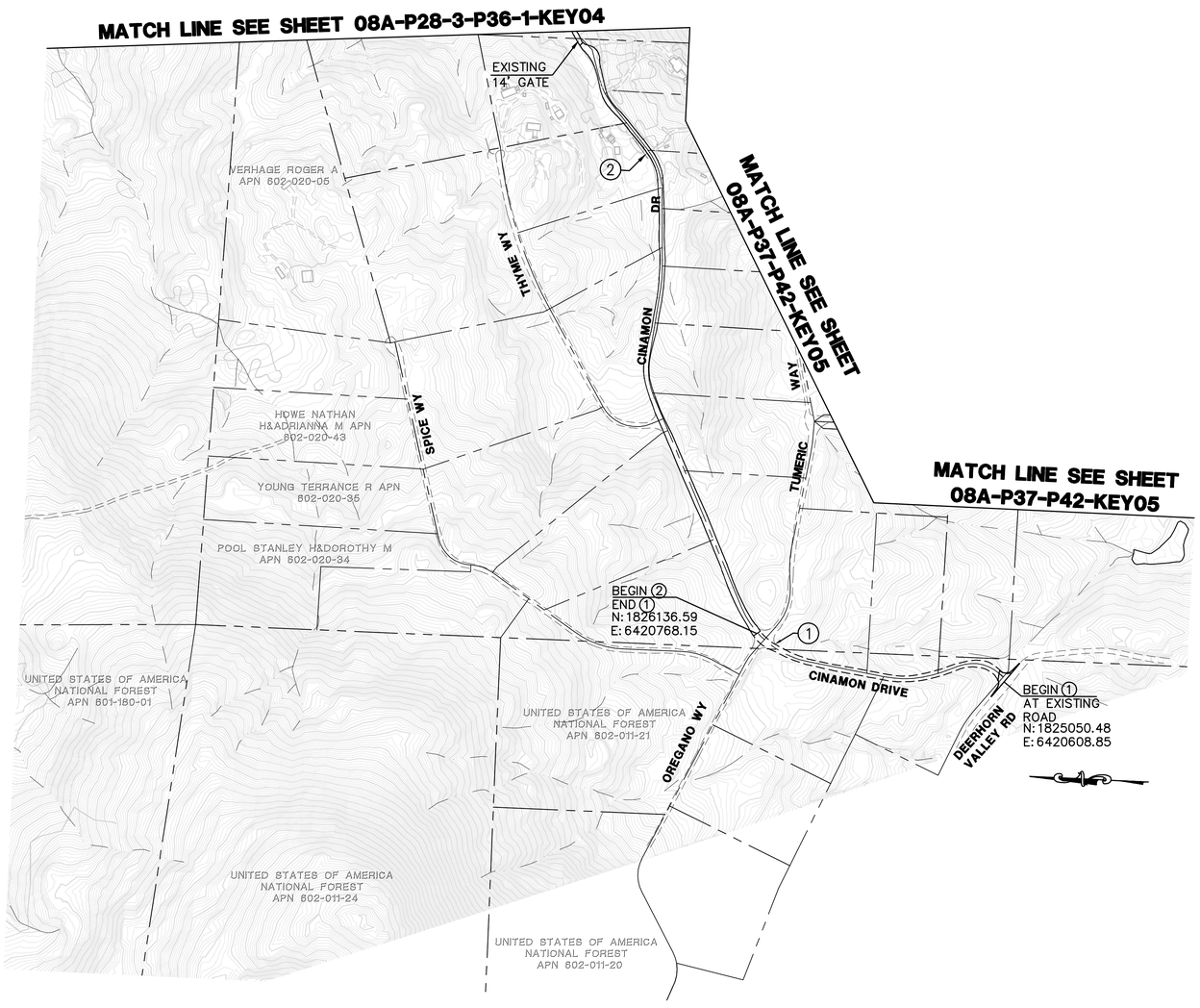

LEGEND

- 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
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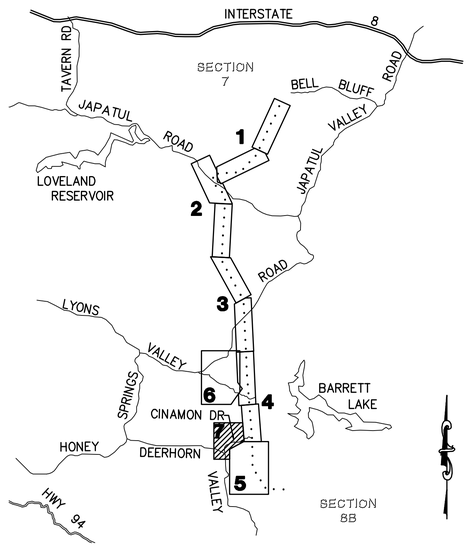
- SITE IMPROVEMENTS – SEE SHEET AS INDICATED
- PULL SITE IMPROVEMENTS – SEE SHEET AS INDICATED
- CONSTRUCTION YARD IMPROVEMENTS – SEE CONSTRUCTION YARD PLANS
- PROPOSED TRANSMISSION LINES
- P218–1 — PROPOSED LATTICE TOWER AND TOWER #
- TSAP — PROPOSED TOWER STAGING ACCESS PAD
- EXISTING 10' CONTOURS
- 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 8A
LOCATION MAP

QUANTITIES:
(1) LENGTH OF ACCESS ROAD: 1160 LF
(2) LENGTH OF ACCESS ROAD: 2850 LF

GRAPHIC SCALE
300 0 300 600
1"=300'

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — No. PE 29706 — Exp. 3-31-11 — CIVIL — STATE OF CALIFORNIA

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

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

DRAWN BY: DZ	DATE:	SCALE: 1" = 300'	W.O.	REV. 0	08A-CINAMON-KEY07
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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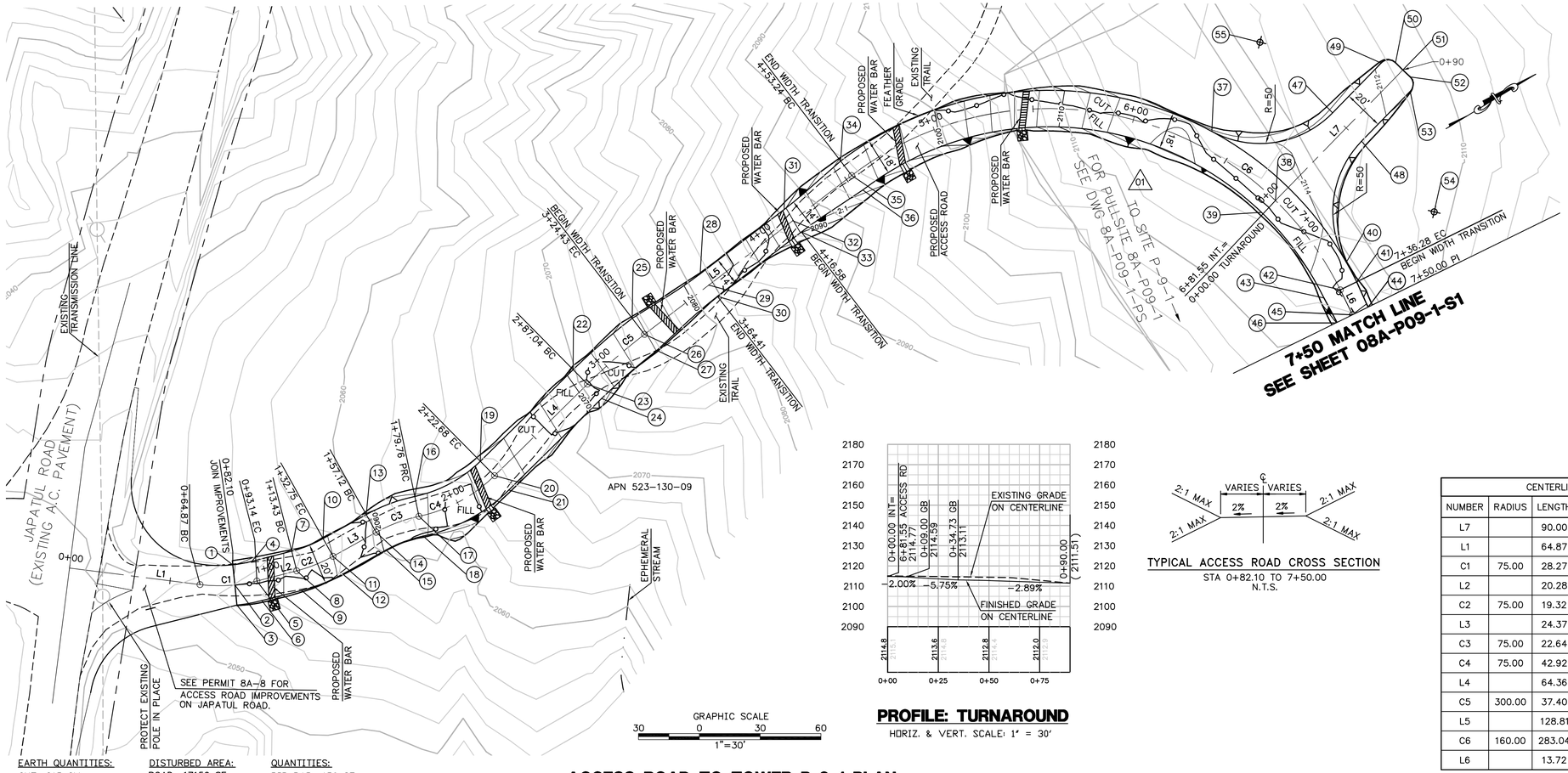


GRAPHIC SCALE
30 0 30 60
1"=30'

TYPICAL ACCESS ROAD CROSS SECTION
STA 0+82.10 TO 7+50.00
N.T.S.

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L7		90.00	N14°26'44"W
L1		64.87	N38°31'13"E
C1	75.00	28.27	21°35'53"
L2		20.28	N16°55'21"E
C2	75.00	19.32	14°45'38"
L3		24.37	N2°09'43"E
C3	75.00	22.64	17°17'32"
C4	75.00	42.92	32°47'09"
L4		64.36	N13°19'54"W
C5	300.00	37.40	7°08'31"
L5		128.81	N6°11'23"W
C6	160.00	283.04	101°21'23"
L6		13.72	S84°50'00"E

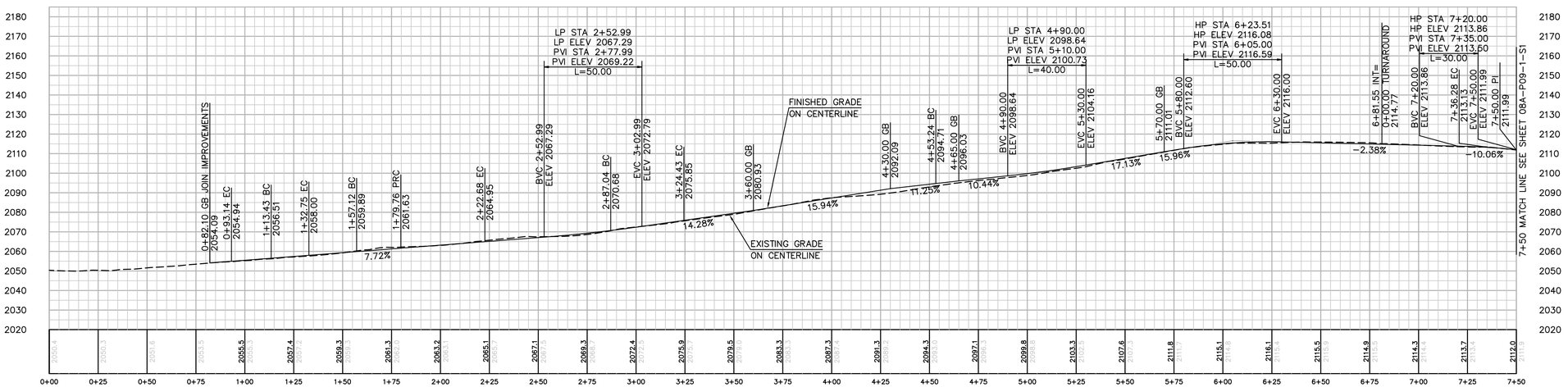
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1863575.64	6418509.20	2053.89	EG
2	1863571.36	6418518.24	2054.09	CL
3	1863567.08	6418527.29	2054.29	CL/BC
4	1863584.56	6418512.65	2054.74	FG
5	1863581.65	6418522.22	2054.94	CL/EC
6	1863578.74	6418531.79	2055.14	FG
7	1863603.97	6418518.56	2056.31	FG
8	1863601.05	6418528.12	2056.51	CL/BC
9	1863598.14	6418537.69	2056.71	FG
10	1863620.43	6418521.32	2057.80	FG
11	1863620.06	6418531.32	2058.00	CL/EC
12	1863619.68	6418541.31	2058.20	FG
13	1863644.79	6418522.24	2059.68	FG
14	1863644.41	6418532.24	2059.88	CL/BC
15	1863644.04	6418542.23	2060.08	FG
16	1863669.89	6418527.04	2061.43	FG
17	1863666.56	6418536.47	2061.63	CL/PRC
18	1863663.23	6418545.89	2061.83	FG
19	1863706.53	6418529.00	2064.75	FG
20	1863708.84	6418538.73	2064.95	CL/EC
21	1863711.14	6418548.46	2065.15	FG
22	1863769.16	6418514.15	2070.48	FG
23	1863771.46	6418523.88	2070.68	CL/BC
24	1863773.77	6418533.62	2070.88	FG
25	1863807.22	6418507.61	2075.65	FG
26	1863808.29	6418517.55	2075.85	CL/EC
27	1863809.37	6418527.49	2076.05	FG
28	1863847.28	6418506.28	2081.49	FG
29	1863848.04	6418513.24	2081.63	CL
30	1863848.79	6418520.20	2081.77	FG
31	1863899.15	6418500.65	2089.81	FG
32	1863899.91	6418507.61	2089.95	CL
33	1863900.66	6418514.57	2090.09	FG
34	1863935.38	6418494.71	2094.53	FG
35	1863936.35	6418503.66	2094.71	CL/BC
36	1863937.32	6418512.61	2094.89	FG
37	1864099.45	6418577.34	2115.58	FG
38	1864108.54	6418622.81	2114.77	CL/INT
39	1864099.62	6418624.26	2114.97	FG
40	1864122.55	6418667.02	2113.48	FG
41	1864121.92	6418677.95	2112.95	FG
42	1864112.95	6418677.14	2113.13	CL/EC
43	1864103.99	6418676.33	2113.31	FG
44	1864120.23	6418691.57	2111.82	FG
45	1864111.72	6418690.80	2111.99	CL
46	1864103.19	6418690.31	2112.13	FG
47	1864155.07	6418600.50	2112.87	FG
48	1864160.06	6418619.87	2112.47	FG
49	1864188.36	6418591.93	2111.87	FG
50	1864194.45	6418595.52	2111.61	FG
51	1864195.70	6418600.36	2111.51	EG
52	1864196.95	6418605.20	2111.41	FG
53	1864193.35	6418611.29	2111.47	FG
54	1864172.53	6418668.29		RP
55	1864142.60	6418552.08		RP

EARTH QUANTITIES:
CUT: 215 CY.
FILL: 204 CY.
NET: 11 CY.

DISTURBED AREA:
ROAD: 17156 SF

QUANTITIES:
RIP RAP: 150 SF
DOWN DRAIN: 16 LF
LENGTH OF ACCESS ROAD: 668 LF

ACCESS ROAD TO TOWER P-9-1 PLAN
SCALE: 1" = 30'



PROFILE: ACCESS ROAD TO TOWER P-9-1
HORIZ. & VERT. SCALE: 1" = 30'

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

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

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01	ADDED REFERENCE FOR PULLSITE	8/23/10	MM	MB										

SAN DIEGO GAS & ELECTRIC COMPANY
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SPL-8A (LINK 2)
ACCESS ROAD TO SITE P-9-1

DRAWN BY: 00	DATE:	SCALE: 30	W.O.	REV. 0	08A-P09-1-R1
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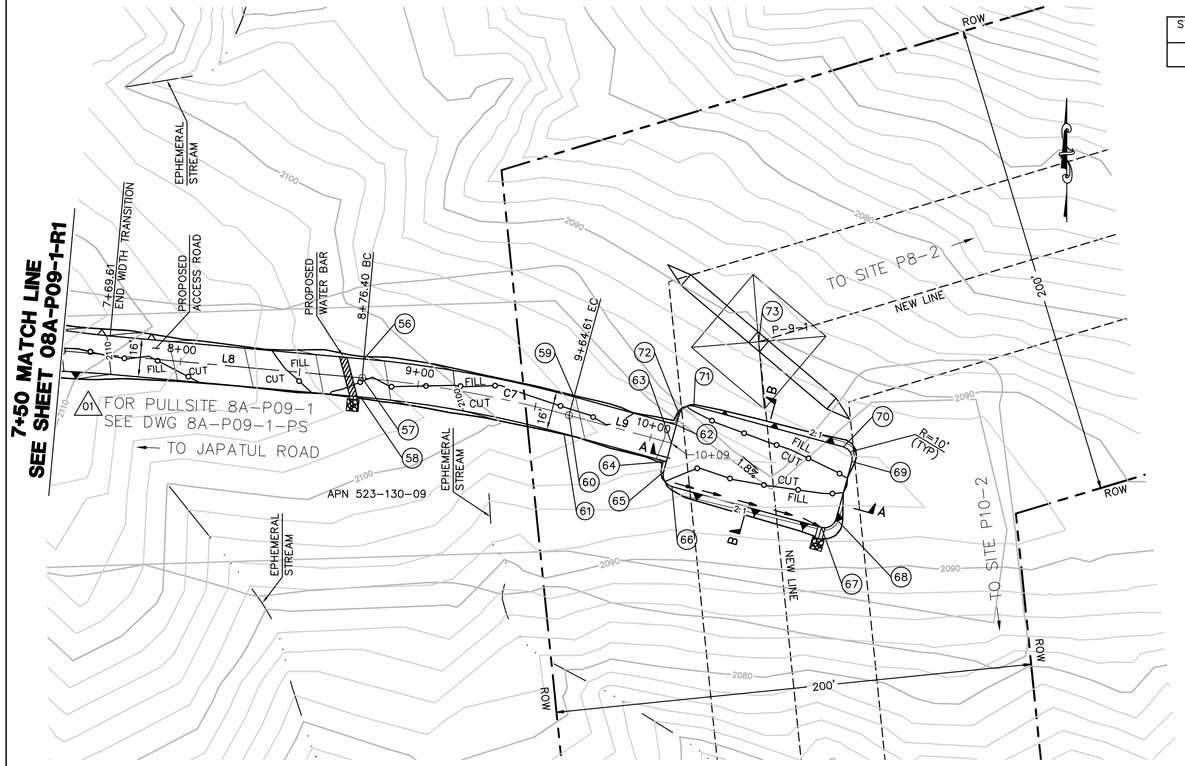
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-9-1	500 KV EXHD Lattice Dead-End Tower	-79.05	120.75

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
56	1864108.30	6418817.41	2102.59	FG
57	1864100.33	6418816.69	2102.75	CL/BC
58	1864092.37	6418815.97	2102.91	FG
59	1864092.42	6418905.49	2098.02	FG
60	1864084.70	6418903.38	2098.18	CL/EC
61	1864076.99	6418901.28	2098.34	FG
62	1864080.70	6418948.41	2095.67	FG
63	1864072.98	6418946.30	2095.57	CL
64	1864065.27	6418944.19	2095.46	FG
65	1864060.93	6418943.01	2095.41	FG
66	1864054.78	6418946.52	2095.30	FG
67	1864037.66	6419009.22	2094.46	FL
68	1864041.17	6419015.36	2094.56	FG
69	1864065.28	6419021.95	2094.89	FG
70	1864071.43	6419018.44	2094.99	FG
71	1864088.55	6418955.74	2095.83	FG
72	1864085.04	6418949.59	2095.73	FG
73	1864115.48	6418982.90	2091.28	P-9-1

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L8		126.40	S84°50'00"E
C7	500.00	88.21	10°06'27"
L9		44.49	S74°43'33"E

EARTH QUANTITIES:
CUT: 60 CY.
FILL: 52 CY.
NET: 8 CY.

DISTURBED AREA:
PAD: 3093 SF
ROAD: 4735 SF
TOTAL: 7828 SF

QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 4 LF

LENGTH OF ACCESS ROAD: 259 LF

TOWER P-9-1 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
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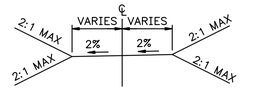
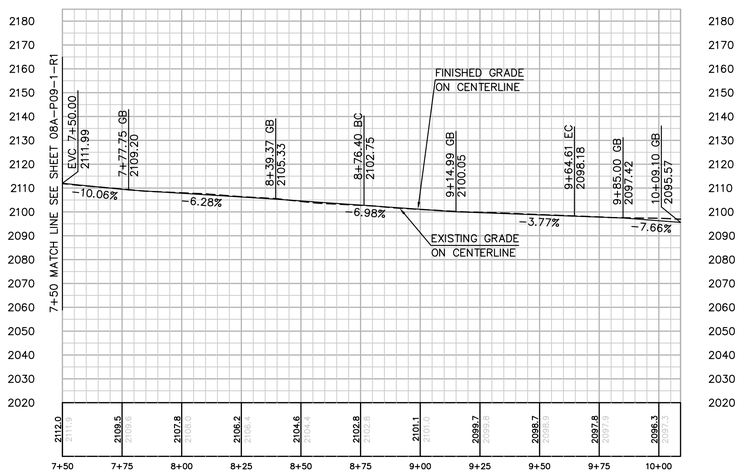
1"=30'

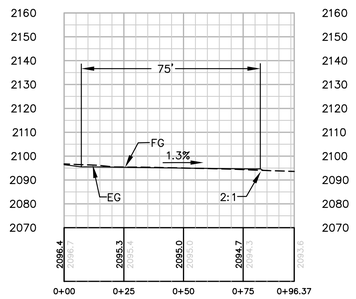


TYPICAL ACCESS ROAD CROSS SECTION
STA 7+50.00 TO 10+09.10
N.T.S.



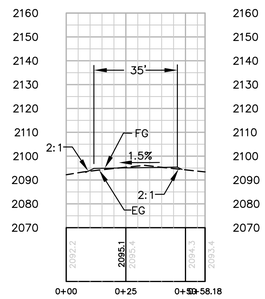
PROFILE: ACCESS ROAD TO TOWER P-9-1

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

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SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
SITE P-9-1

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08A-P09-1-S1

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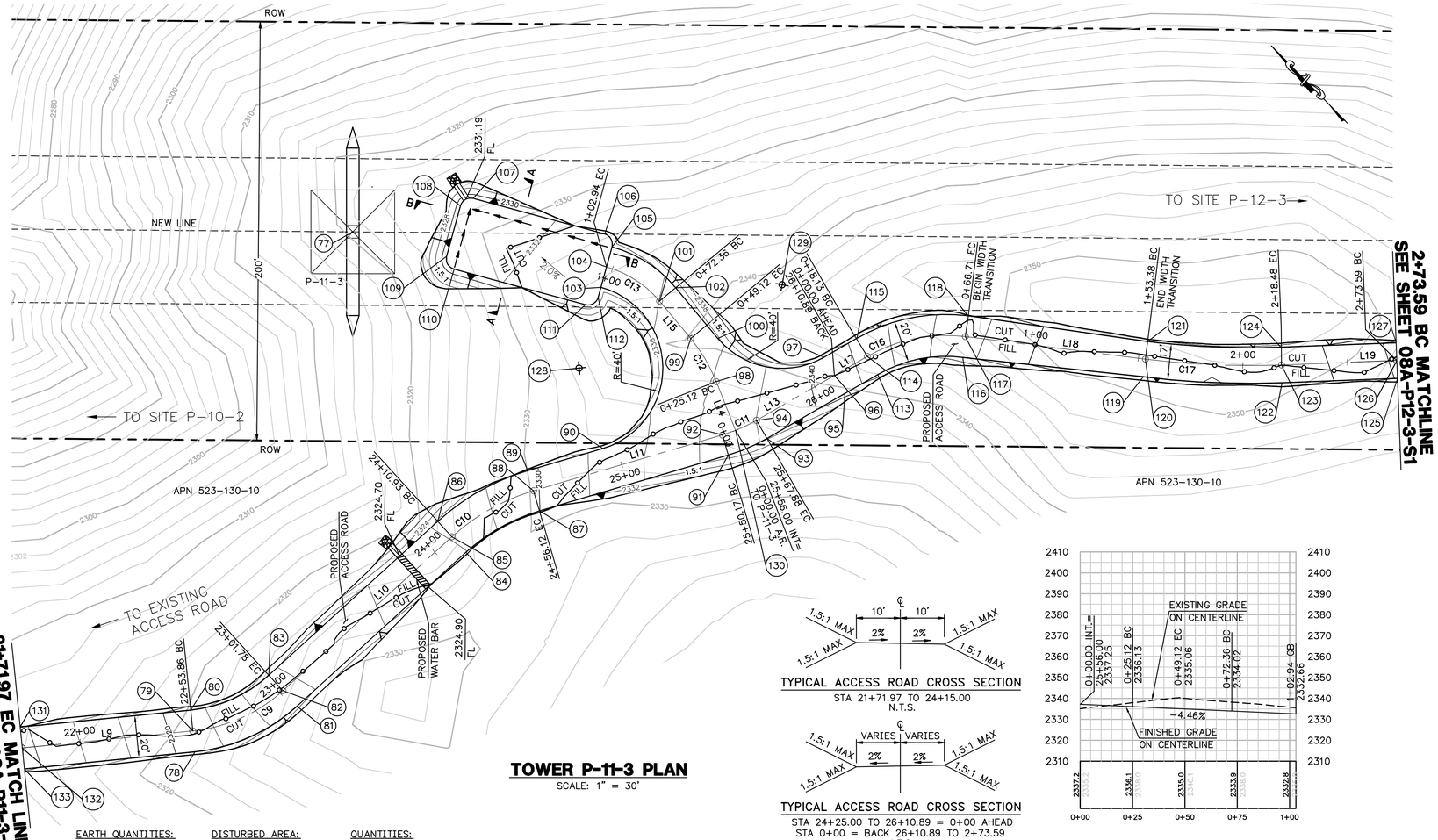


STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-11-3	500 KV EXHT Lattice Tangent Tower	0.00	136.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
77	1861804.83	6420062.02	(2321.05)	P-11-3
78	1861680.38	6419834.36	2320.85	BC
79	1861688.18	6419840.61	2321.05	CL/BC
80	1861695.99	6419846.87	2321.25	BC
81	1861661.76	6419884.39	2325.25	EC
82	1861671.75	6419884.76	2325.45	CL/EC
83	1861681.75	6419885.13	2325.65	EC
84	1861657.74	6419993.47	2325.93	BC
85	1861667.73	6419993.84	2326.13	CL/BC
86	1861677.73	6419994.21	2326.33	BC
87	1861647.27	6420032.41	2329.98	EC
88	1861656.10	6420037.10	2329.78	CL/EC
89	1861664.93	6420041.80	2329.58	EC
90	1861647.35	6420074.86	2332.53	BC
91	1861603.12	6420115.46	2337.03	BC
92	1861611.95	6420120.15	2336.83	CL/BC
93	1861595.86	6420134.13	2338.22	EC
94	1861605.55	6420136.62	2338.02	CL/EC
95	1861585.12	6420175.77	2341.01	FG
96	1861594.80	6420178.27	2340.81	CL
97	1861604.49	6420180.77	2340.61	BC
98	1861632.25	6420135.88	2336.13	CL/BC
99	1861655.46	6420141.59	2335.06	CL/EC
100	1861646.46	6420150.89	2335.60	EC
101	1861678.62	6420143.47	2334.02	CL/BC
102	1861677.81	6420153.44	2334.22	BC
103	1861702.91	6420128.14	2332.74	EC
104	1861707.97	6420136.76	2332.66	CL/EC
105	1861713.03	6420145.39	2332.57	EC
106	1861719.87	6420147.17	2332.44	FG
107	1861775.94	6420114.28	2331.26	FG
108	1861777.72	6420107.44	2331.21	FG
109	1861765.07	6420085.88	2331.43	FG
110	1861758.23	6420084.09	2331.56	FG
111	1861702.16	6420116.98	2332.74	FG
112	1861700.38	6420123.83	2332.79	FG
113	1861580.59	6420193.33	2342.82	BC
114	1861590.27	6420195.82	2342.62	CL/BC

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
115	1861599.96	6420198.32	2342.42	BC
116	1861558.04	6420228.02	2347.47	EC
117	1861564.26	6420235.85	2347.27	CL/EC
118	1861570.47	6420243.69	2347.07	EC
119	1861491.08	6420283.05	2351.65	BC
120	1861496.36	6420289.71	2351.48	CL/BC
121	1861501.64	6420296.37	2351.31	BC
122	1861442.57	6420328.41	2351.71	EC
123	1861448.86	6420334.13	2351.54	CL/EC
124	1861455.15	6420339.84	2351.37	EC
125	1861405.51	6420369.20	2347.90	BC
126	1861411.80	6420374.92	2347.73	CL/BC
127	1861418.09	6420380.63	2347.56	BC
128	1861682.67	6420093.64		RP
129	1861643.22	6420190.76		RP
130	1861609.12	6420126.08	2337.25	CL/INT
131	1861747.20	6419782.97	2313.63	FG
132	1861739.40	6419776.72	2313.43	CL/EC
133	1861731.60	6419770.47	2313.23	FG

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L9		81.89	S51°17'01"E
C9	75.00	47.92	36°36'25"
L10		109.16	S87°53'26"E
C10	100.00	45.18	25°53'17"
L11		94.05	S62°00'09"E
C11	75.00	17.71	13°31'53"
L13		43.01	S75°32'03"E
L14		25.12	N22°58'52"E
C12	75.00	24.00	18°20'10"
L15		23.24	N4°38'43"E
C13	50.00	30.58	35°02'34"
L17		18.13	S75°32'03"E
C16	75.00	48.58	37°06'52"
L18		86.67	S38°25'11"E
C17	400.00	65.10	9°19'32"
L19		55.11	S47°44'43"E

TOWER P-11-3 PLAN

SCALE: 1" = 30'

EARTH QUANTITIES:
CUT: 642 CY.
FILL: 536 CY.
NET: 106 CY.

DISTURBED AREA:
PAD: 3,830 SF
ROAD: 20,841 SF
TOTAL: 24,671 SF

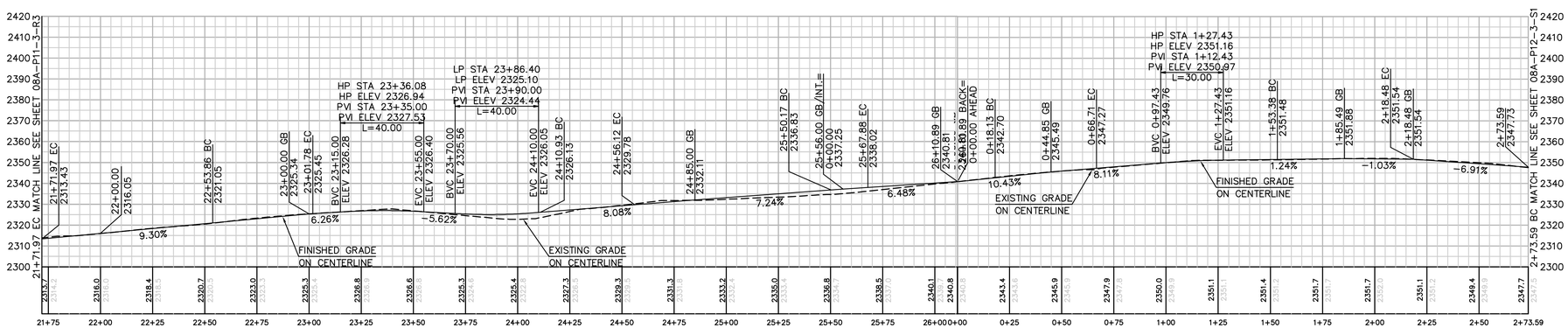
QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 15 LF

LENGTH OF ACCESS ROAD: 814 LF

GRAPHIC SCALE
30 0 30 60
1"=30'

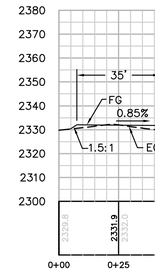
PROFILE: ACCESS ROAD TO TOWER P-11-3

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



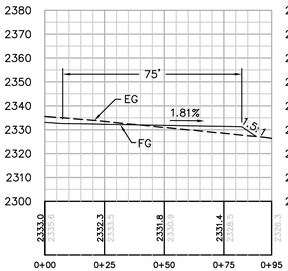
PROFILE: ACCESS ROAD TO TOWER P-11-3

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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SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)

SITE P-11-3

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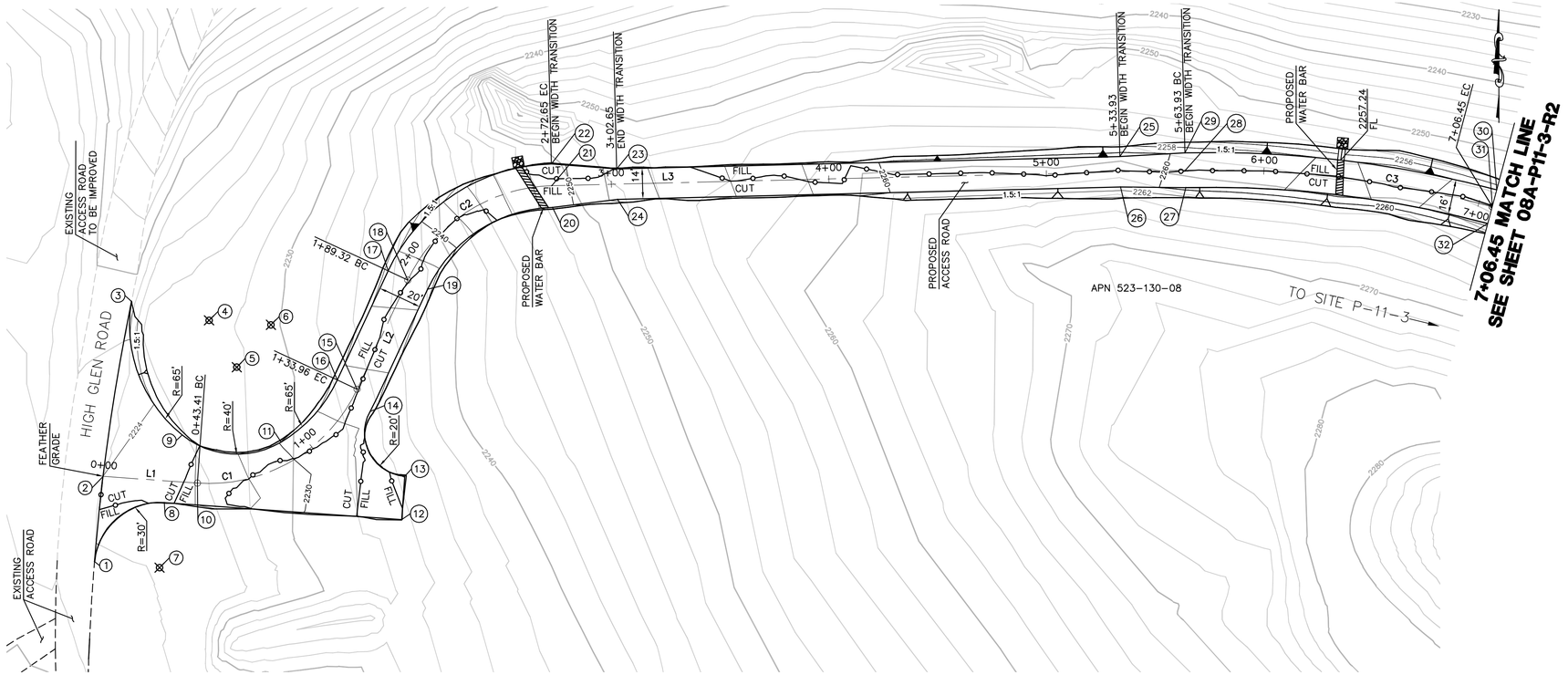

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1862350.34	6418103.13	(2223.88)	FG
2	1862389.57	6418107.07	(2224.00)	FG
3	1862469.93	6418120.06	(2220.90)	FG
4	1862461.25	6418155.75		RP
5	1862439.73	6418168.48		RP
6	1862459.20	6418184.17		RP
7	1862347.59	6418133.00		RP
8	1862377.52	6418135.16	2224.80	EC
9	1862408.58	6418143.39	2225.20	PCC
10	1862386.45	6418150.36	2225.82	CL/BC
11	1862405.31	6418188.85	2230.10	PCC
12	1862369.65	6418244.27	2233.61	FG
13	1862389.60	6418245.71	2234.01	FG
14	1862419.40	6418229.74	2232.63	EC
15	1862429.62	6418223.76	2233.25	CL/EC
16	1862433.84	6418214.69	2233.45	EC
17	1862484.03	6418238.04	2237.11	BC
18	1862479.81	6418247.10	2236.91	CL/BC
19	1862475.59	6418256.17	2236.71	BC
20	1862513.16	6418313.53	2248.82	EC
21	1862523.16	6418313.28	2249.02	CL/EC
22	1862533.15	6418313.04	2249.22	EC
23	1862530.89	6418343.11	2252.73	FG
24	1862516.89	6418343.45	2252.45	FG
25	1862536.51	6418574.31	2261.22	FG
26	1862522.52	6418574.65	2260.94	FG
27	1862522.25	6418604.67	2259.31	BC
28	1862530.25	6418604.48	2259.47	CL/BC
29	1862538.24	6418604.28	2259.63	BC
30	1862521.23	6418745.59	2257.47	EC
31	1862513.50	6418745.52	2257.31	CL/EC
32	1862505.77	6418743.46	2257.15	EC

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		43.41	S85°52'43"E
C1	75.00	90.55	69°10'33"
L2		55.36	N24°56'44"E
C2	75.00	83.33	63°39'36"
L3		291.28	N88°36'20"E
C3	500.00	142.52	16°19'54"

EARTH QUANTITIES:
CUT: 245 CY.
FILL: 208 CY.
NET: 37 CY.

DISTURBED AREA:
ROAD: 18,633 SF
TOTAL: 18,633 SF

QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 5 LF

LENGTH OF ACCESS ROAD: 706 LF

ACCESS ROAD TO TOWERS P-11-3 & P-12-3 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
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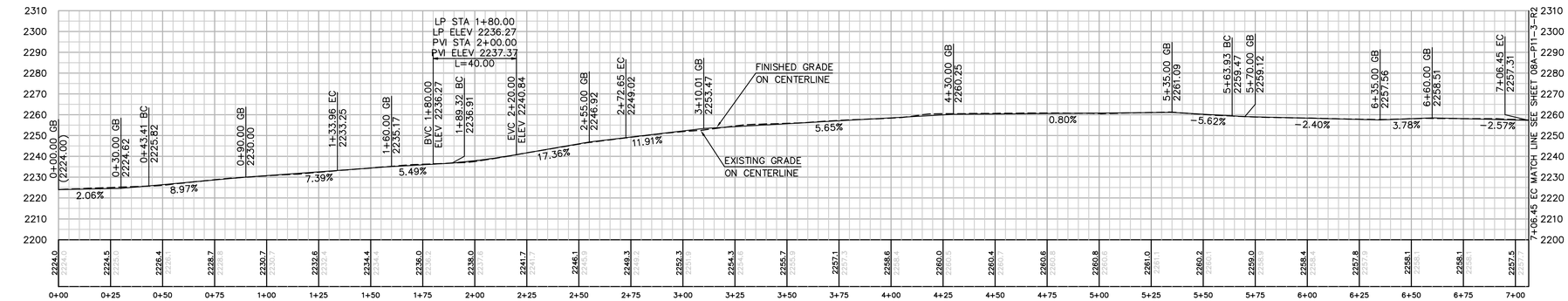
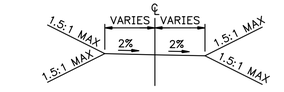
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-11-3 & P-12-3

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



TYPICAL ACCESS ROAD CROSS SECTION

STA 0+00.00 TO 7+06.45
N.T.S.

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-P11-3-R1.dwg[May-21-2010]2:32

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

REVISIONS

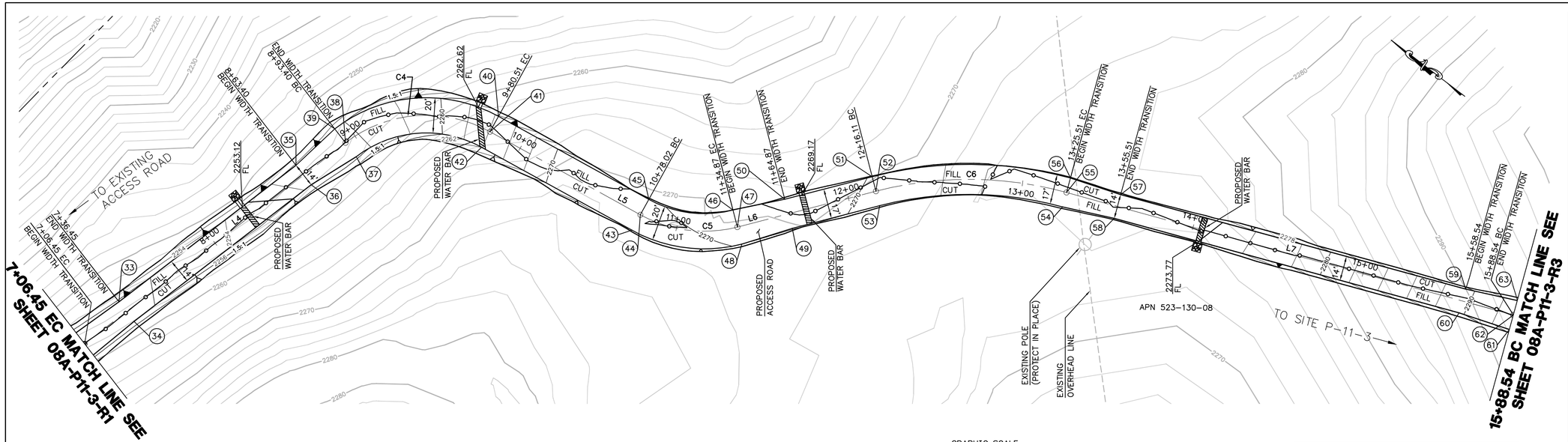
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)

ACCESS ROAD TO SITES P-11-3 & P-12-3

DRAWN BY: 00	DATE:	SCALE: 30	W.O.	REV. 0	08A-P11-3-R1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
33	1862512.53	6418776.31	2256.68	FG
34	1862499.00	6418772.71	2256.40	FG
35	1862479.80	6418898.98	2254.39	FG
36	1862466.28	6418895.37	2254.11	FG
37	1862455.65	6418923.58	2255.15	FG
38	1862465.31	6418926.16	2255.35	CL/BC
39	1862474.97	6418928.74	2255.55	BC
40	1862405.43	6418990.89	2264.29	EC
41	1862403.95	6418981.00	2264.09	CL/EC
42	1862402.47	6418971.11	2263.89	EC
43	1862306.04	6418985.55	2270.67	BC
44	1862307.52	6418995.44	2270.47	CL/BC
45	1862309.00	6419005.33	2270.27	BC
46	1862267.45	6419029.55	2269.55	EC
47	1862259.57	6419023.39	2269.75	CL/EC
48	1862251.70	6419017.23	2269.95	EC
49	1862234.39	6419041.77	2269.62	FG
50	1862247.77	6419052.25	2269.28	FG
51	1862216.19	6419092.60	2270.06	BC
52	1862209.50	6419087.36	2270.23	CL/BC
53	1862202.80	6419082.12	2270.40	BC
54	1862119.94	6419144.62	2274.86	EC
55	1862123.14	6419152.49	2274.69	CL/EC
56	1862126.34	6419160.37	2274.52	EC
57	1862097.98	6419170.27	2274.77	FG
58	1862092.71	6419157.29	2275.05	FG
59	1861909.86	6419246.65	2289.37	FG
60	1861904.59	6419233.68	2289.65	FG
61	1861876.23	6419243.58	2293.23	BC
62	1861879.43	6419251.45	2293.06	CL/BC
63	1861882.63	6419259.33	2292.89	BC

EARTH QUANTITIES:
CUT: 229 CY.
FILL: 197 CY.
NET: 32 CY.

DISTURBED AREA:
ROAD: 18,511 SF
TOTAL: 18,511 SF

LENGTH OF ACCESS ROAD: 882 LF

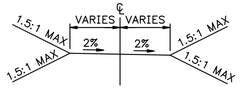
QUANTITIES:
RIP RAP: 100 SF
DOWN DRAIN: 10 LF

ACCESS ROAD TO TOWERS P-11-3 & P-12-3 PLAN

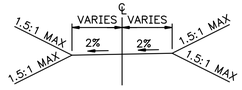
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

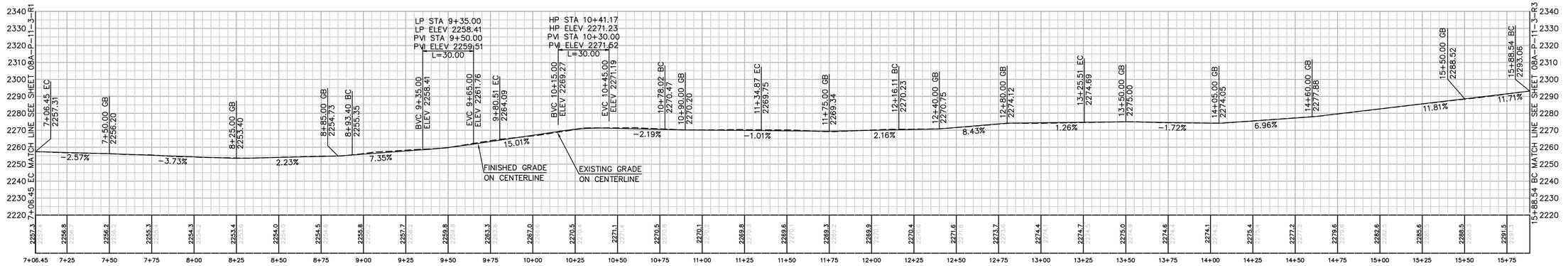
CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L4		186.95	S75°03'46"E
C4	75.00	87.11	66°32'39"
L5		97.51	S8°31'07"E
C5	75.00	56.85	43°25'46"
L6		81.24	S51°56'53"E
C6	210.00	109.40	29°50'54"
L7		263.03	S22°05'58"E



TYPICAL ACCESS ROAD CROSS SECTION
STA 7+06.45 TO 10+30.00
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
STA 10+40.00 TO 15+88.54
N.T.S.



PROFILE: ACCESS ROAD TO TOWER P-11-3 & P-12-3

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

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
ACCESS ROAD TO SITES P-11-3 & P-12-3

DRAWN BY: OO	DATE:	SCALE: 30	W.O.	REV. 0	08A-P11-3-R2
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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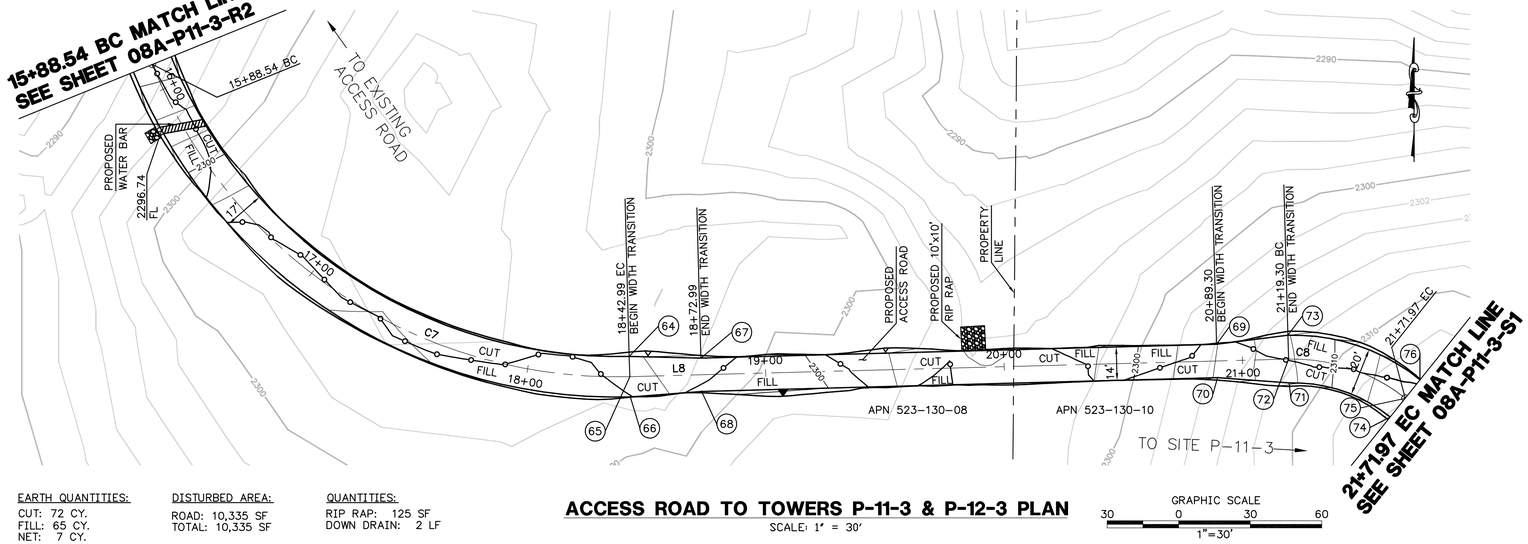


NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
64	1861757.00	6419451.38	2302.17	EC
65	1861748.51	6419451.61	2302.34	CL/EC
66	1861740.01	6419451.83	2302.51	EC
67	1861756.30	6419481.41	2301.30	FG
68	1861742.31	6419481.78	2301.58	FG
69	1861762.05	6419697.64	2303.94	FG
70	1861748.06	6419698.01	2304.22	FG
71	1861745.86	6419728.08	2307.49	BC
72	1861755.85	6419727.82	2307.69	CL/BC
73	1861765.85	6419727.55	2307.89	BC
74	1861731.60	6419770.47	2313.23	EC
75	1861739.40	6419776.72	2313.43	CL/EC
76	1861747.20	6419782.97	2313.63	EC

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C7	210.00	254.45	69°25'26"
L8		276.31	N88°28'36"E
C8	75.00	52.67	40°14'23"

EARTH QUANTITIES:
CUT: 72 CY.
FILL: 65 CY.
NET: 7 CY.

DISTURBED AREA:
ROAD: 10,335 SF
TOTAL: 10,335 SF

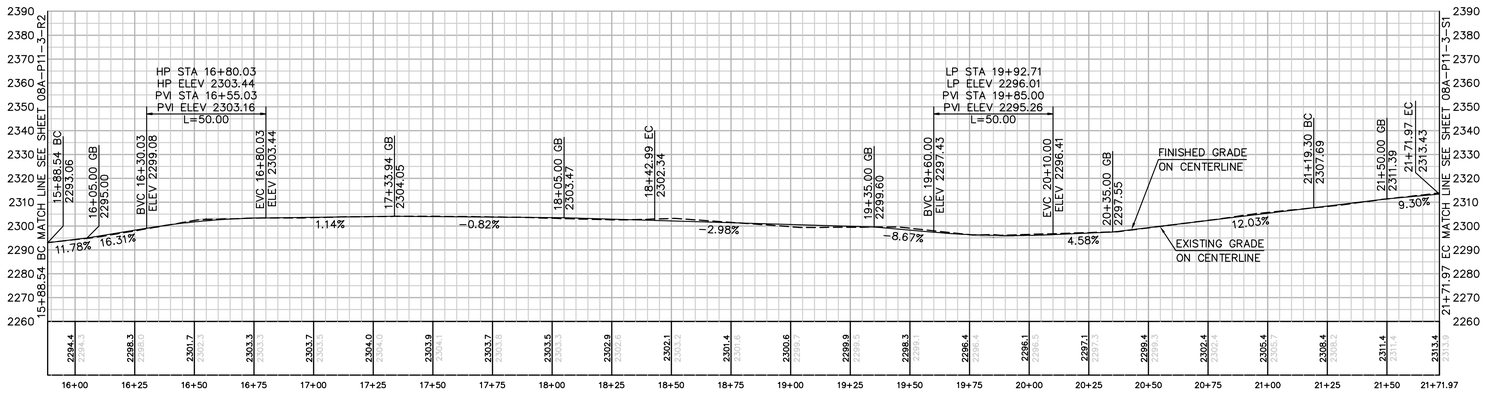
QUANTITIES:
RIP RAP: 125 SF
DOWN DRAIN: 2 LF

LENGTH OF ACCESS ROAD: 583 LF

ACCESS ROAD TO TOWERS P-11-3 & P-12-3 PLAN

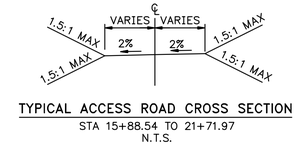
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-11-3 & P-12-3

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 15+88.54 TO 21+71.97
N.T.S.

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-P11-R3.dwg Thu, May 21, 2020 12:36

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 25708
Exp. 3-31-21
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

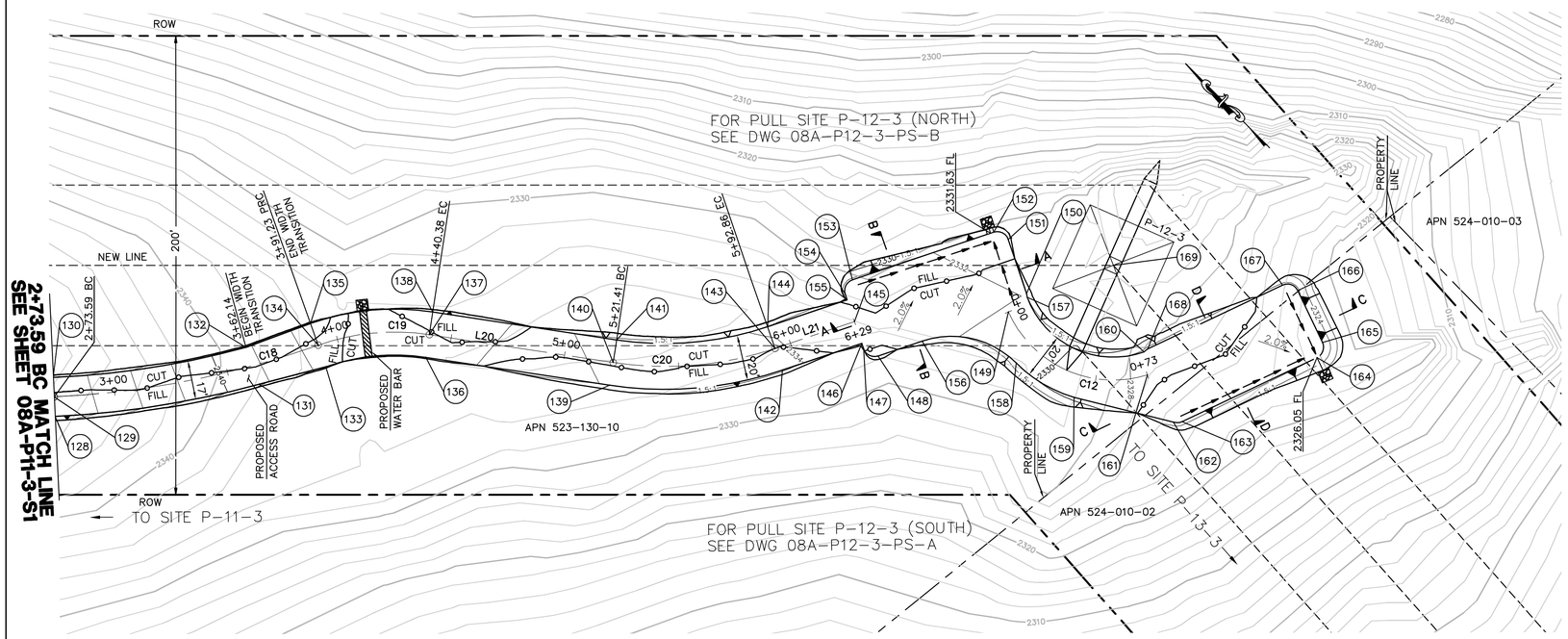
SPL-8A (LINK 2)
ACCESS ROAD TO SITES P-11-3 & P-12-3

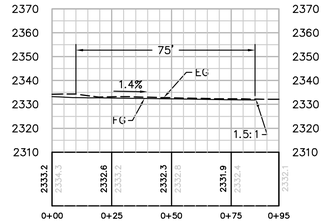
DRAWN BY: 00	DATE:	SCALE: 30	W.O.	REV. 0	08A-P11-3-R3
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-12-3	500 KV EXMD Lattice Dead-End Tower	48.46	117.75

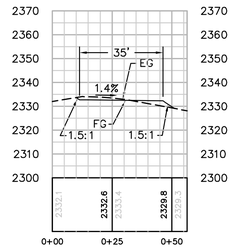
CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C18	400.00	117.64	16°51'02"
C19	100.00	49.15	28°09'43"
L20		81.03	S36°26'02"E
C20	150.00	71.45	27°17'36"
L21		36.52	S63°43'38"E
C12	50.00	72.69	83°17'38"

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
128	1861405.51	6420369.20	2347.90	BC
129	1861411.80	6420374.92	2347.73	CL/BC
130	1861418.09	6420380.63	2347.56	BC
131	1861352.73	6420442.01	2338.50	EC
132	1861368.13	6420449.33	2338.29	EC
133	1861337.51	6420468.00	2335.45	BC
134	1861346.55	6420472.29	2335.25	CL/PRC
135	1861355.58	6420476.58	2335.05	BC
136	1861309.67	6420501.80	2335.22	EC
137	1861315.61	6420509.84	2335.02	CL/EC
138	1861321.54	6420517.89	2334.82	EC
139	1861244.48	6420549.92	2335.87	BC
140	1861250.42	6420557.96	2335.67	CL/BC
141	1861256.36	6420566.01	2335.47	BC
142	1861196.03	6420607.82	2334.30	EC
143	1861205.00	6420612.25	2334.10	CL/EC
144	1861213.96	6420616.67	2333.90	EC
145	1861188.84	6420644.99	2332.83	CL
146	1861179.87	6420640.57	2332.98	FG
147	1861177.62	6420639.46	2333.01	FG
148	1861170.93	6420641.73	2333.01	FG
149	1861144.39	6420695.48	2331.89	CL/BC
150	1861144.43	6420706.71	2331.96	FG
151	1861166.84	6420717.78	2331.61	FG
152	1861173.54	6420715.51	2331.61	FG
153	1861202.31	6420657.22	2332.52	FG
154	1861200.04	6420650.52	2332.66	FG
155	1861197.80	6420649.42	2332.69	FG
156	1861161.97	6420659.88	2332.73	BC
157	1861143.13	6420705.79	2331.99	BC
158	1861126.26	6420682.18	2330.56	PRC
159	1861097.92	6420689.43	2329.06	EC
160	1861090.37	6420725.04	2327.47	EC
161	1861082.23	6420718.97	2327.46	CL/EC
162	1861059.68	6420712.51	2327.03	FG
163	1861057.11	6420715.35	2326.96	FG
164	1861035.36	6420776.60	2326.05	FG
165	1861038.39	6420782.99	2326.05	FG
166	1861061.95	6420791.36	2326.40	FG
167	1861068.34	6420788.32	2326.54	FG
168	1861090.09	6420727.07	2327.45	FG
169	1861126.51	6420742.18	(2332.22)	P-12-3

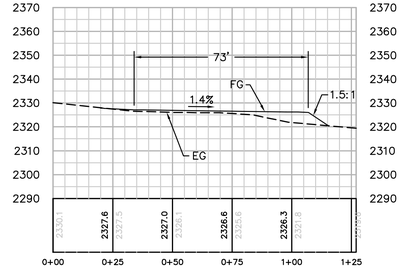




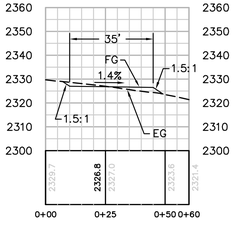
SECTION A-A
HORIZ. & VERT. SCALE: 1" = 30'



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



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



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

EARTH QUANTITIES:
CUT: 324 CY.
FILL: 268 CY.
NET: 56 CY.

DISTURBED AREA:
PAD: 6,773 SF
ROAD: 9,630 SF
TOTAL: 16,403 SF

QUANTITIES:
DOWNDRAIN: 8 LF
RIP RAP: 75 SF

LENGTH OF ACCESS ROAD: 429 LF

TOWER P-12-3 PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
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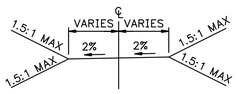
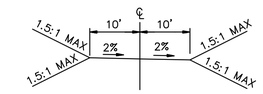
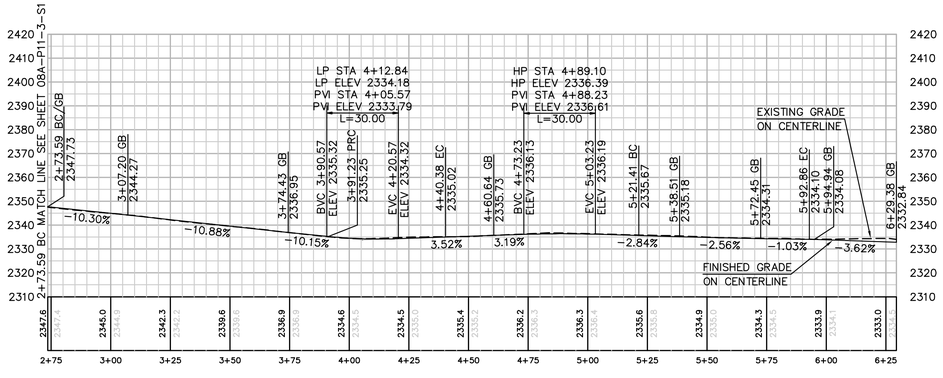
1"=30'



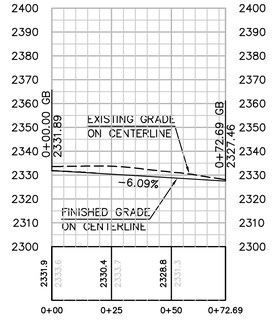
TYPICAL ACCESS ROAD CROSS SECTION
STA 2+73.59 BC TO 6+29.38
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 BC TO 0+72.69
N.T.S.



PROFILE: ACCESS ROAD TO TOWER P-12-3
HORIZ. & VERT. SCALE: 1" = 30'



PROFILE: ACCESS ROAD TO EAST PAD
HORIZ. & VERT. SCALE: 1" = 30'

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Tel: (858) 451-6100 Fax: (858) 451-2846
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REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH NO. 29706 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-8A (LINK 2)
SITE P-12-3

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

08A-P12-3-S1

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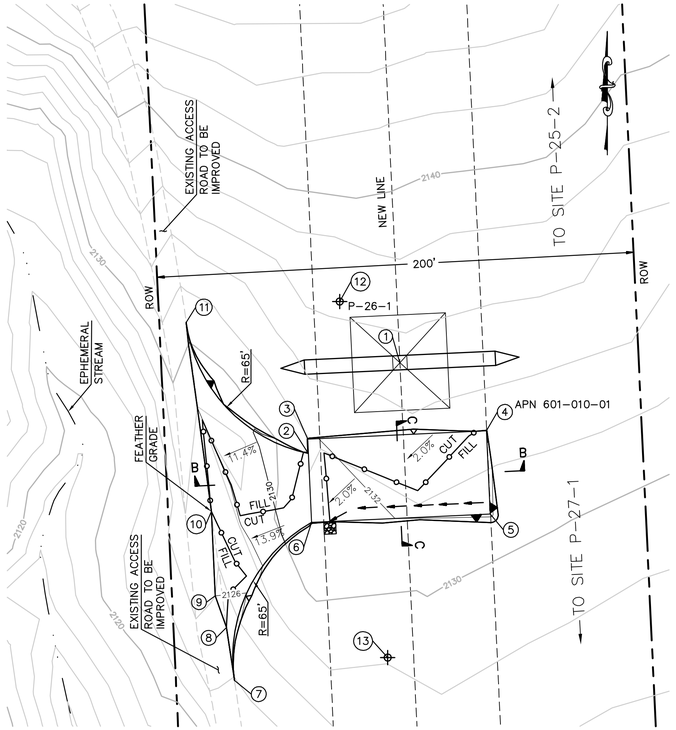
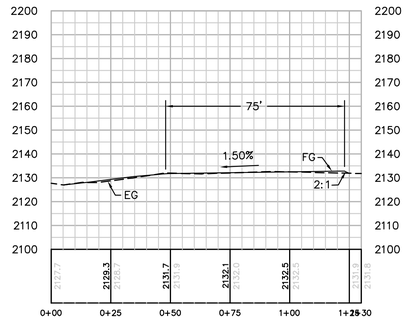
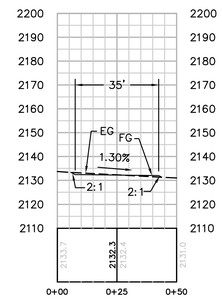


STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-26-1	500 KV EXMT Lattice Tangent Tower	0.00	157.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1841689.99	6423510.82	(2134.76)	P-26-1
2	1841652.00	6423472.41	2131.85	EC
3	1841657.99	6423472.13	2131.93	FG
4	1841661.49	6423547.05	2133.06	FG
5	1841626.53	6423548.68	2132.60	FG
6	1841623.03	6423473.76	2131.48	FG
7	1841556.80	6423441.44	(2123.91)	BC
8	1841578.96	6423438.12	(2125.23)	FG
9	1841592.27	6423433.38	(2126.00)	FG
10	1841627.69	6423431.74	(2126.68)	FG
11	1841706.84	6423421.18	(2130.71)	BC
12	1841715.65	6423485.58		RP
13	1841566.43	6423505.72		RP



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



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

EARTH QUANTITIES:
CUT: 23 CY.
FILL: 52 CY.
NET: 29 CY.

DISTURBED AREA:
PAD: 2,879 SF
ROAD: 2,894 SF
TOTAL: 5,773 SF

QUANTITIES:
RIP RAP: 25 SF

LENGTH OF ACCESS ROAD: 42 LF

TOWER P-26-1 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

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

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
SITE P-26-1

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CAD NO.:	PLOT SCALE: 1 = 1				

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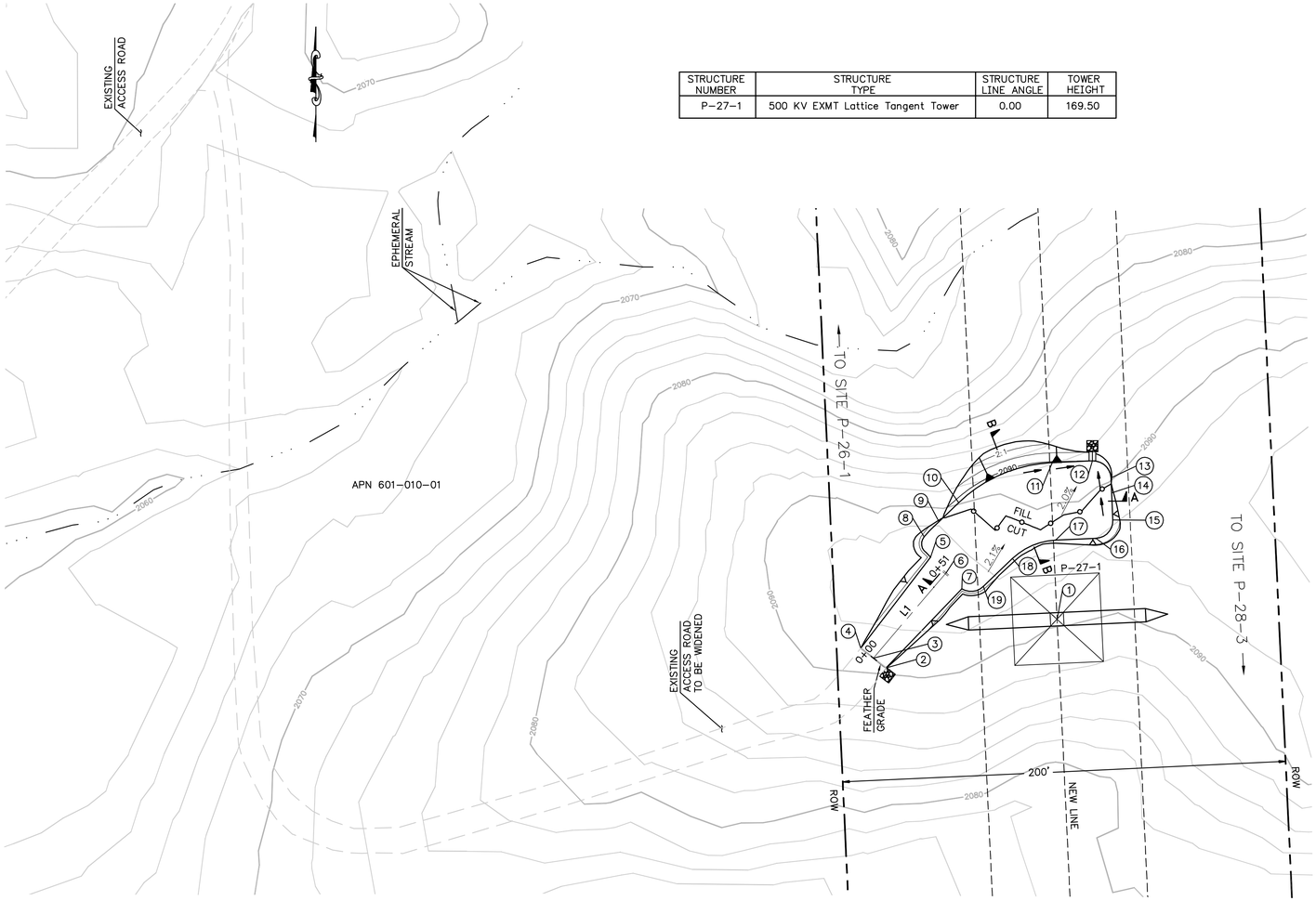
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-27-1	500 KV EXMT Lattice Tangent Tower	0.00	169.50



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		50.56	N40°30'07"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1840133.00	6423583.47	(2089.34)	P-27-1
2	1840111.03	6423506.31	(2090.38)	EG
3	1840115.46	6423500.60	(2090.74)	CL/EG
4	1840119.88	6423494.89	(2091.07)	EG
5	1840161.05	6423526.40	2091.51	FG
6	1840153.90	6423533.44	2091.55	CL/FG
7	1840146.75	6423540.48	2091.58	FG
8	1840170.18	6423523.53	2091.38	FG
9	1840177.06	6423530.18	2091.18	FG
10	1840185.62	6423539.10	2090.92	FG
11	1840203.68	6423581.28	2090.22	FG
12	1840204.48	6423599.44	2090.03	FG
13	1840196.83	6423607.79	2090.08	FG
14	1840189.98	6423608.09	2090.20	FG
15	1840177.85	6423608.62	2090.42	FG
16	1840169.51	6423600.98	2090.63	FG
17	1840168.71	6423582.81	2090.82	FG
18	1840160.38	6423563.34	2091.12	FG
19	1840147.78	6423550.23	2091.47	FG

EARTH QUANTITIES:
CUT: 85 CY.
FILL: 76 CY.
NET: 9 CY.

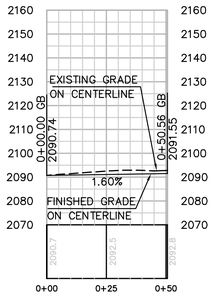
DISTURBED AREA:
PAD: 3,882 SF
ROAD: 1,089 SF
TOTAL: 4,971 SF

QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 4 LF

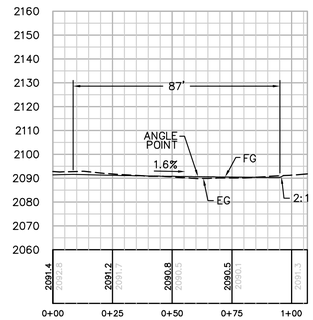
LENGTH OF ACCESS ROAD: 51 LF

TOWER P-27-1 PLAN
SCALE: 1" = 30'

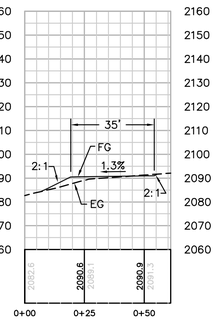
GRAPHIC SCALE
30 0 30 60
1"=30'



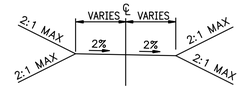
PROFILE: ACCESS ROAD TO TOWER P-27-1
HORIZ. & VERT. SCALE: 1" = 30'



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+51
N.T.S.

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

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
SITE P-27-1

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

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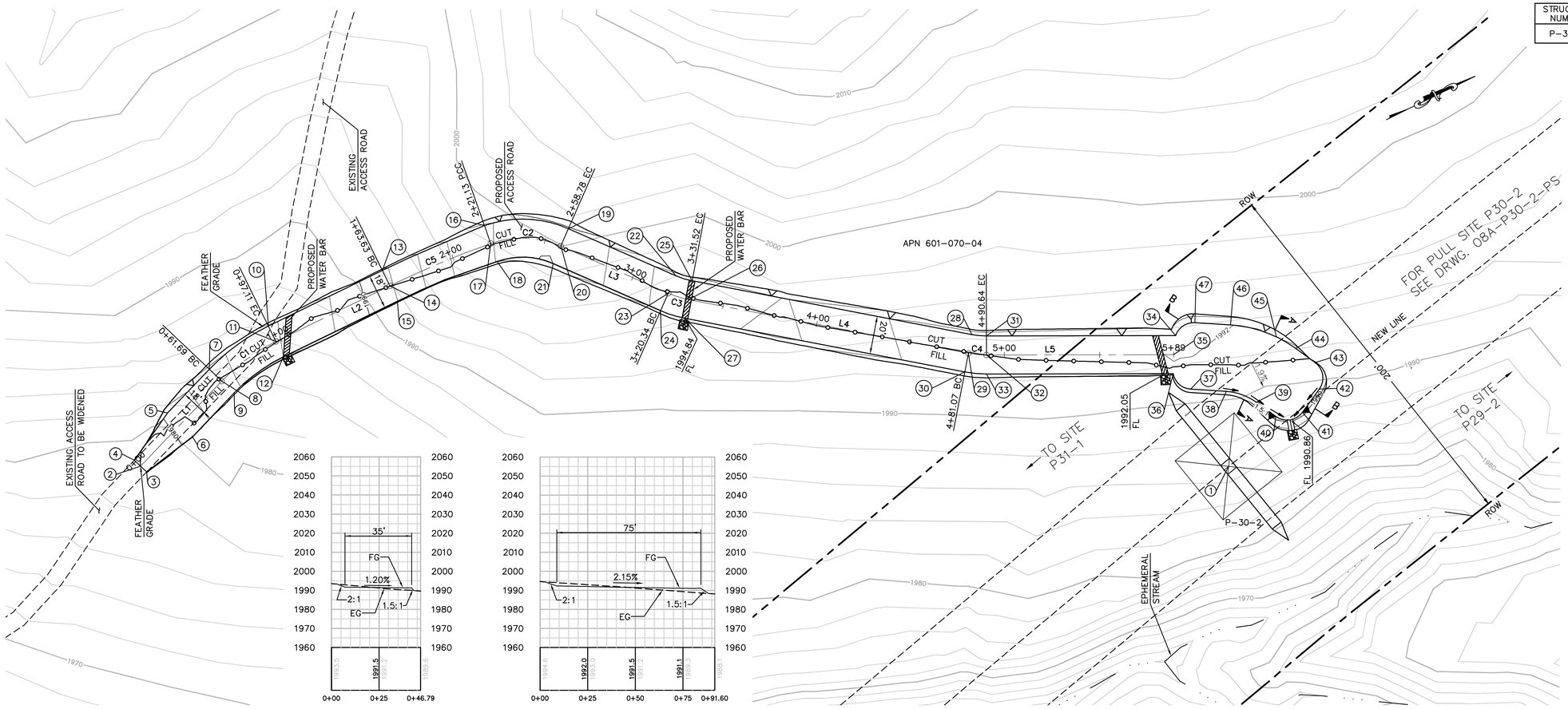
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-30-2	500 KV EXMT Lattice Tangent Tower	-1.62	157.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1835572.55	6423803.84	(1985.47)	P-30-2
2	1835107.60	6423472.35	(1978.74)	CL/EG
3	1835108.43	6423476.68	(1978.69)	EG
4	1835106.76	6423467.98	(1978.74)	EG
5	1835135.37	6423457.86	1980.37	FG
6	1835138.74	6423475.34	1980.72	FG
7	1835166.49	6423451.88	1983.30	FG
8	1835168.19	6423460.72	1983.48	CL/BC
9	1835169.88	6423469.56	1983.66	9
10	1835204.89	6423451.39	1985.64	FG
11	1835203.42	6423460.27	1985.82	CL/EC
12	1835201.94	6423469.15	1986.00	FG
13	1835270.51	6423462.29	1991.60	FG
14	1835269.04	6423471.16	1991.78	CL/BC
15	1835267.57	6423480.04	1991.96	FG
16	1835327.85	6423474.20	1997.67	FG
17	1835325.10	6423483.82	1997.87	CL/PCC
18	1835322.34	6423493.43	1998.07	FG
19	1835362.82	6423501.12	1999.59	FG
20	1835354.24	6423506.25	1999.79	CL/EC
21	1835345.65	6423511.37	1999.99	FG
22	1835394.38	6423553.98	1995.27	FG
23	1835385.79	6423559.10	1995.47	CL/BC
24	1835377.20	6423564.23	1995.67	FG
25	1835399.78	6423561.08	1995.04	FG
26	1835392.54	6423567.98	1995.24	CL/EC
27	1835385.31	6423574.89	1995.44	FG
28	1835503.00	6423669.29	1993.15	FG
29	1835495.77	6423676.19	1993.35	CL/BC
30	1835488.53	6423683.09	1993.55	FG
31	1835508.78	6423674.29	1993.04	FG
32	1835502.99	6423682.44	1993.24	CL/EC
33	1835497.20	6423690.59	1993.44	FG
34	1835589.70	6423731.77	1992.27	FG
35	1835583.11	6423739.35	1992.11	CL
36	1835577.05	6423747.31	1991.87	FG
37	1835579.83	6423759.24	1991.70	FG
38	1835594.40	6423771.09	1991.42	FG
39	1835603.93	6423784.86	1991.17	FG
40	1835607.94	6423796.86	1990.98	FG
41	1835620.60	6423803.18	1990.98	FG
42	1835634.82	6423798.42	1991.20	FG
43	1835641.14	6423785.77	1991.28	FG
44	1835637.13	6423773.76	1991.47	FG
45	1835632.40	6423763.06	1992.00	FG
46	1835616.48	6423743.94	1992.02	FG
47	1835601.91	6423732.09	1992.30	FG



SECTION A-A
SCALE: 1" = 30'

SECTION B-B
SCALE: 1" = 30'

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

GRAPHIC SCALE
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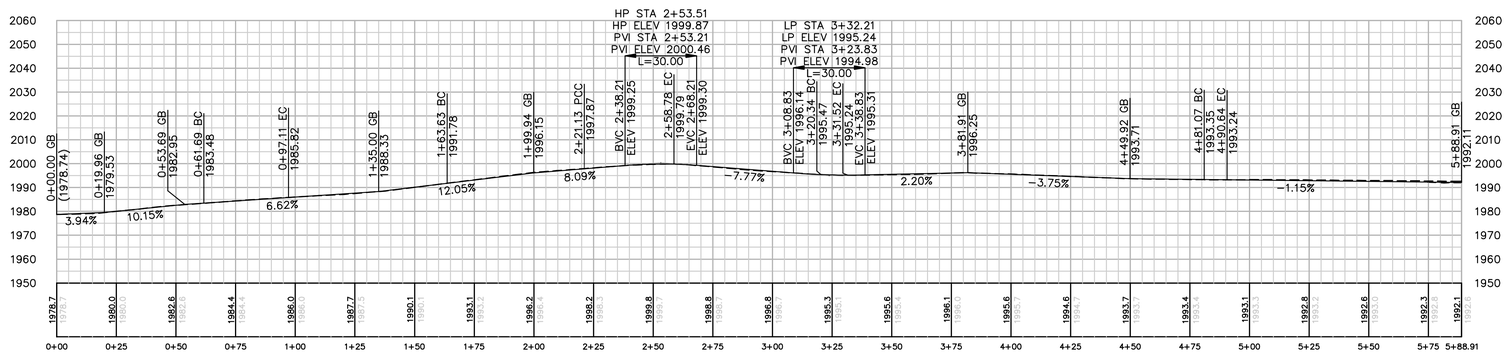
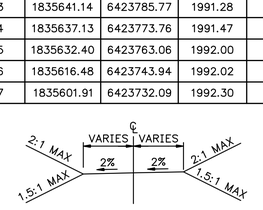
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-30-2
SCALE: 1" = 30'

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	100.00	35.42	20°17'38"
C2	50.00	37.66	43°09'01"
C3	50.00	11.18	12°48'46"
C4	50.00	9.57	10°57'45"
C5	500.00	57.50	6°35'20"
L1		61.69	N10°52'13"W
L2		66.52	N9°25'25"E
L3		61.56	N59°09'46"E
L4		149.55	N46°21'00"E
L5		98.28	N35°23'16"E



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 5+88.91
N.T.S.

EARTH QUANTITIES:
CUT: 192 CY
FILL: 172 CY
NET: 20 CY

DISTURBED AREA:
PAD: 3,246 SF
ROAD: 13,579 SF
TOTAL: 16,825 SF

QUANTITIES:
RIP RAP: 100 SF
DOWN DRAIN: 9 LF

LENGTH OF ACCESS ROAD: 589 LF

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

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
SITE P-30-2

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CAD NO.:	PLOT SCALE: 1 = 1			

08A-P30-2-S1

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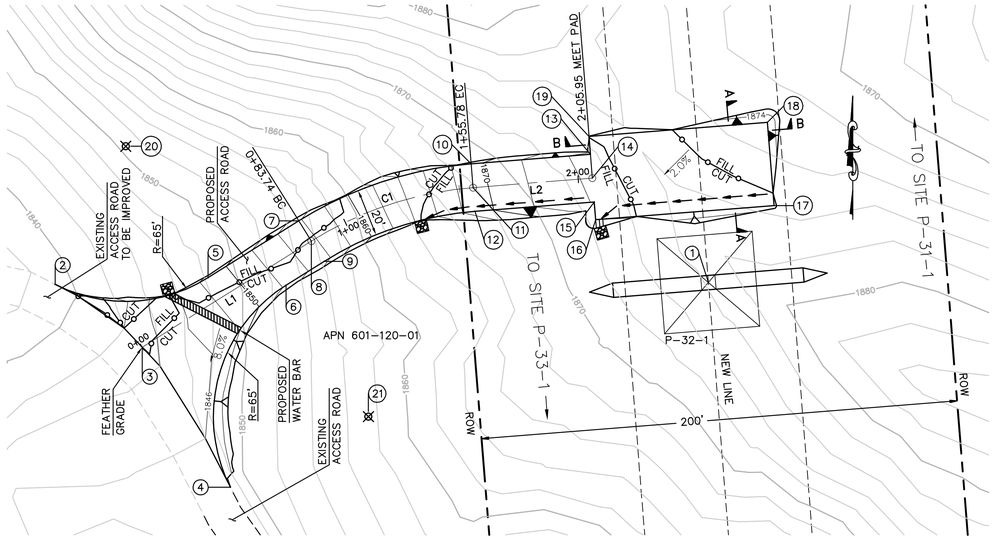


STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-32-1	500 KV EXHD Lattice Dead-End Tower	0.00	165.75

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		83.74	N57°55'31"E
C1	150.00	72.04	27°31'15"
L2		50.16	N85°26'46"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1833035.44	6424005.91	(1876.89)	P-32-1
2	1833034.69	6423732.08	(1839.05)	BC
3	1833008.34	6423768.58	(1843.00)	CL
4	1832949.62	6423805.58	(1846.78)	BC
5	1833037.47	6423796.23	1848.63	EC
6	1833034.35	6423828.91	1852.28	EC
7	1833061.28	6423834.22	1855.76	BC
8	1833052.81	6423839.53	1855.56	CL/BC
9	1833044.33	6423844.84	1855.36	BC
10	1833085.20	6423906.48	1869.28	EC
11	1833075.23	6423907.28	1869.08	CL/EC
12	1833065.26	6423908.07	1868.88	EC
13	1833089.18	6423956.49	1874.36	FG
14	1833079.21	6423957.28	1874.23	CL
15	1833069.24	6423958.08	1874.10	FG
16	1833061.77	6423958.67	1874.00	FG
17	1833067.72	6424033.44	1875.12	FG
18	1833102.61	6424030.66	1875.58	FG
19	1833096.66	6423955.89	1874.46	FG
20	1833092.55	6423761.71		RP
21	1832979.27	6423863.43		RP

EARTH QUANTITIES:
CUT: 134 CY.
FILL: 120 CY.
NET: 14 CY.

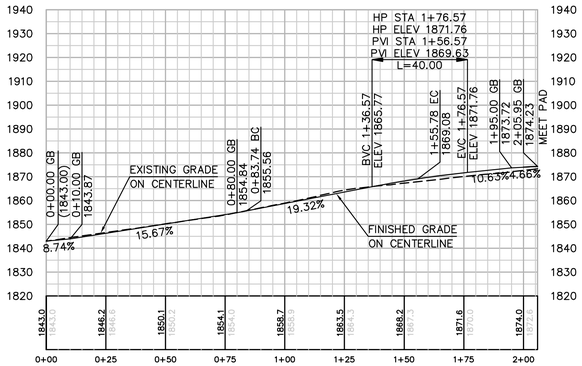
DISTURBED AREA:
PAD: 3124 SF
ROAD: 6198 SF
TOTAL: 9322 SF

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

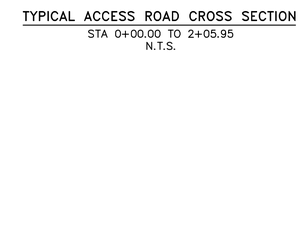
LENGTH OF ACCESS ROAD: 206 LF

TOWER P-32-1 PLAN
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-32-1
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
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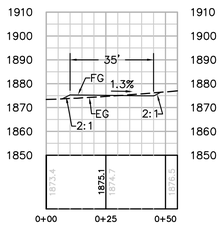
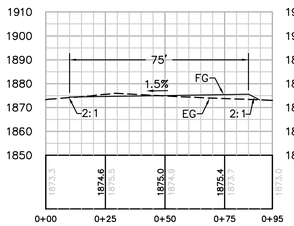
N.T.S.



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



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

PX16919 SDG&E SPL\CADD\08A\dwg\plan\08A-P32-1-S1.dwg CMay-24-20100905

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
SITE P-32-1

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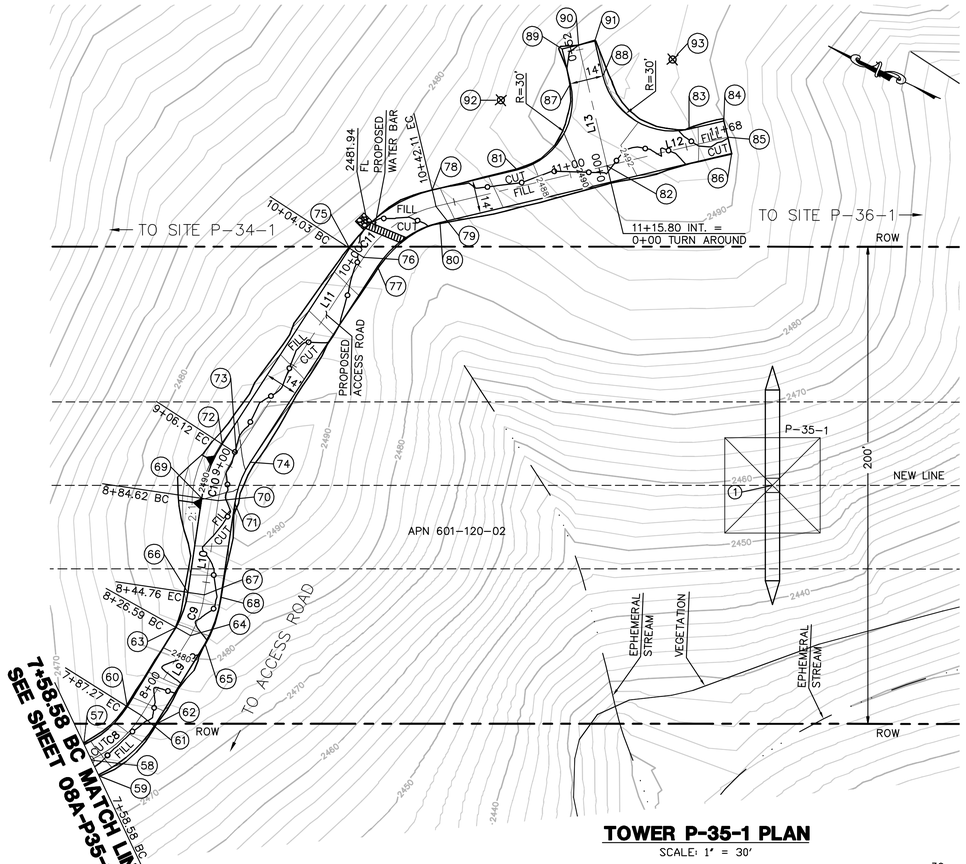
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



TOWER P-35-1 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

EARTH QUANTITIES:
CUT: 75 CY
FILL: 64 CY
NET: 11 CY

DISTURBED AREA:
PAD: 0 SF
ROAD: 7,867 SF
TOTAL: 7,867 SF

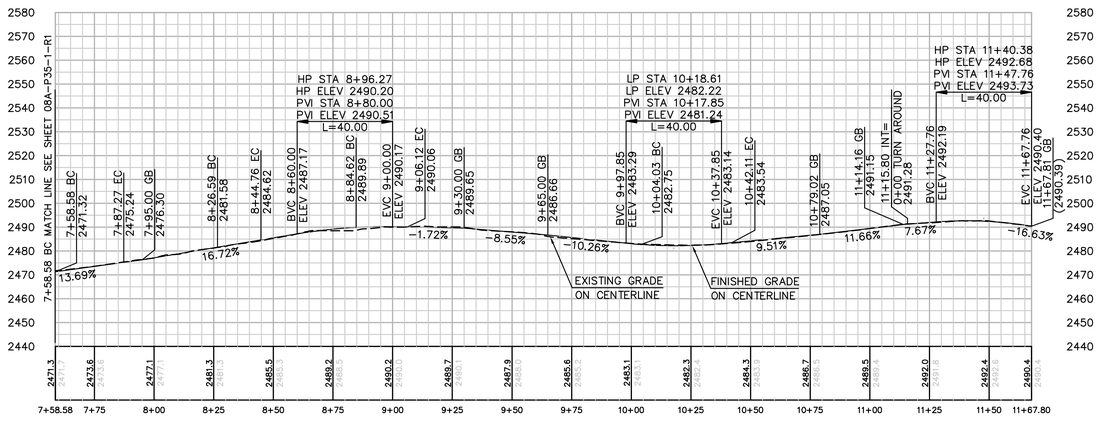
QUANTITIES:
RIP RAP: 25 SF

LENGTH OF ACCESS ROAD: 461 LF

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-35-1	500 KV EXLD Lattice Dead-End Tower	0.09	120.75

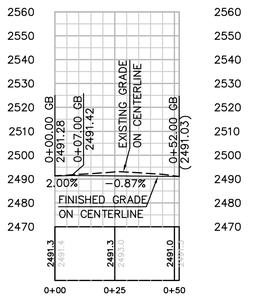
CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C8	50.00	28.69	32°52'26"
C9	50.00	18.17	20°49'00"
C10	50.00	21.50	24°38'23"
C11	50.00	38.08	43°38'02"
L9		39.33	S62°56'22"E
L10		39.86	S86°09'53"E
L11		97.91	S61°31'30"E
L12		125.69	S17°53'28"E
L13		52.00	N72°06'32"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1828935.46	6424332.46	(2457.48)	P-35-1
57	1829214.65	6424201.01	2471.46	BC
58	1829211.20	6424194.92	2471.32	CL/BC
59	1829207.75	6424188.83	2471.18	BC
60	1829197.74	6424218.51	2475.38	EC
61	1829191.54	6424215.27	2475.24	CL/EC
62	1829185.33	6424212.02	2475.10	EC
63	1829180.01	6424253.21	2481.72	BC
64	1829173.64	6424250.29	2481.58	CL/BC
65	1829167.28	6424247.37	2481.44	BC
66	1829176.18	6424268.26	2484.76	EC
67	1829169.20	6424267.80	2484.62	CL/EC
68	1829162.22	6424267.33	2484.48	EC
69	1829173.52	6424308.03	2490.03	BC
70	1829166.53	6424307.56	2489.89	CL/BC
71	1829159.55	6424307.09	2489.75	BC
72	1829166.75	6424331.39	2490.20	EC
73	1829160.60	6424328.06	2490.06	CL/EC
74	1829154.44	6424324.72	2489.92	EC
75	1829120.07	6424417.46	2482.89	BC
76	1829113.92	6424414.12	2482.75	CL/BC
77	1829107.76	6424410.79	2482.61	BC
78	1829087.47	6424444.53	2483.68	EC
79	1829085.32	6424437.87	2483.54	CL/EC
80	1829083.17	6424431.21	2483.40	EC
81	1829052.56	6424455.80	2487.17	BC
82	1829015.23	6424460.50	2491.28	CL/INT
83	1828982.14	6424478.53	2492.33	EC
84	1828967.86	6424483.14	2490.54	FG
85	1828965.71	6424476.48	(2490.40)	CL
86	1828963.56	6424469.82	2490.26	FG
87	1829033.23	6424493.56	2491.02	EC
88	1829019.90	6424497.87	2491.30	BC
89	1829037.83	6424507.84	2490.89	FG
90	1829031.17	6424509.99	(2491.03)	CL
91	1829024.51	6424512.14	2491.17	FG
92	1829061.78	6424484.35		RP
93	1828991.35	6424507.08		RP



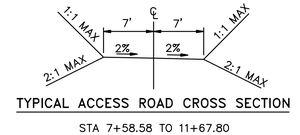
PROFILE: ACCESS ROAD TO TOWER P-35-1

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



PROFILE: TURNAROUND

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



TYPICAL ACCESS ROAD CROSS SECTION

STA 7+58.58 TO 11+67.80
N.T.S.

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-P35-1-S1.dwg[JMay-24-2010@9:07

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

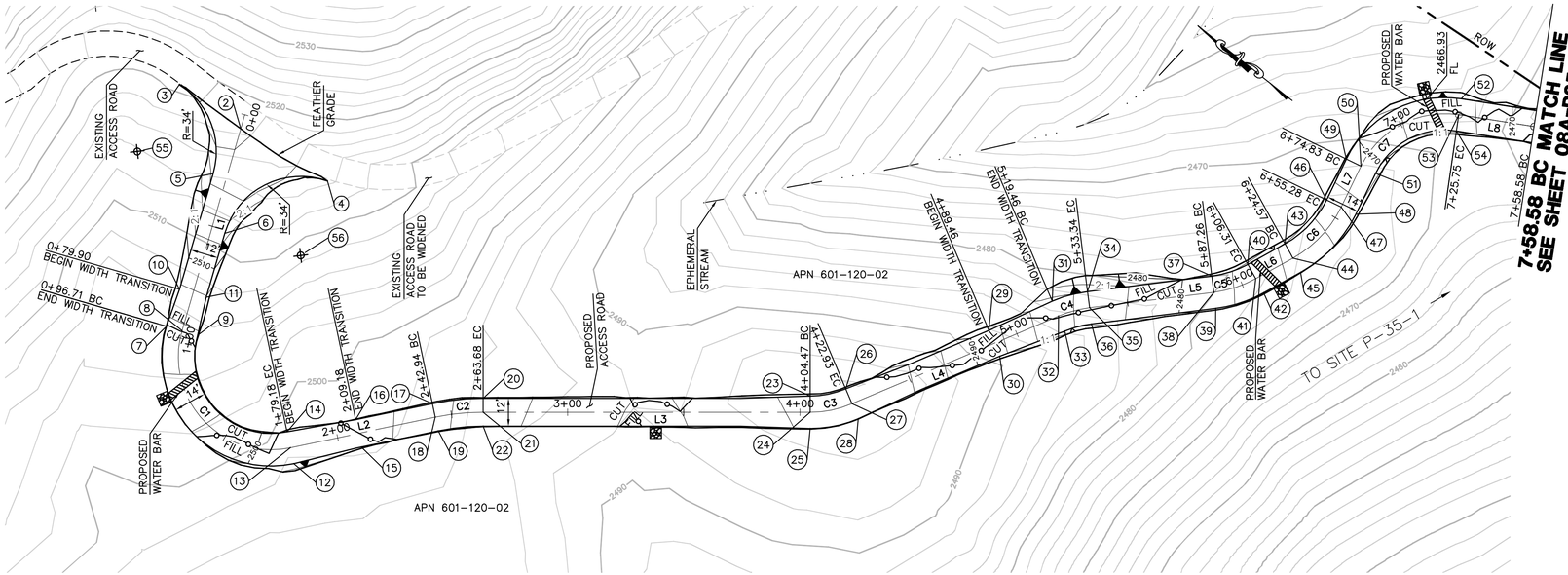
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
SITE P-35-1

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

08A-P35-1-S1



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	40.00	82.46	118°07'11"
C2	100.00	20.74	11°53'02"
C3	46.00	18.46	22°59'44"
C4	50.00	13.88	15°54'13"
C5	50.00	19.05	21°49'58"
C6	50.00	30.71	35°11'41"
C7	40.00	50.92	72°56'33"
L1		96.71	S67°53'00"W
L2		63.76	S50°14'10"E
L3		140.79	S38°21'09"E
L4		96.53	S61°20'52"E
L5		53.91	S45°26'40"E
L6		18.26	S67°16'38"E
L7		19.54	N77°31'41"E
L8		32.83	S29°31'46"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	1829647.18	6423848.72	(2518.46)	CL/EG
3	1829679.73	6423847.37	(2520.72)	EG
4	1829603.97	6423854.29	(2514.31)	EG
5	1829644.55	6423826.28	2516.51	EC
6	1829624.67	6423809.25	2512.95	EC
7	1829619.62	6423762.30	2505.53	BC
8	1829613.14	6423764.94	2505.67	CL/BC
9	1829606.65	6423767.57	2505.81	BC
10	1829625.02	6423778.25	2507.67	FG
11	1829613.91	6423782.77	2507.91	FG
12	1829539.95	6423749.93	2499.16	EC
13	1829545.33	6423754.41	2499.30	CL/EC
14	1829550.71	6423758.89	2499.44	EC
15	1829521.53	6423773.63	2498.48	FG
16	1829530.76	6423781.31	2498.72	FG
17	1829509.16	6423807.26	2496.69	BC
18	1829504.55	6423803.43	2496.57	CL/BC
19	1829499.94	6423799.59	2496.45	BC
20	1829493.45	6423822.59	2495.07	EC
21	1829489.73	6423817.88	2494.95	CL/EC
22	1829486.01	6423813.18	2494.83	EC
23	1829383.66	6423910.73	2494.54	BC
24	1829379.32	6423905.24	2494.40	CL/BC
25	1829374.98	6423899.75	2494.26	BC
26	1829373.64	6423922.62	2495.22	EC
27	1829367.50	6423919.26	2495.08	CL/EC
28	1829361.35	6423915.90	2494.94	EC
29	1829340.86	6423980.52	2488.77	FG
30	1829330.33	6423974.77	2488.53	FG
31	1829327.35	6424007.33	2484.74	BC
32	1829321.21	6424003.97	2484.60	CL/BC
33	1829315.07	6424000.61	2484.46	BC
34	1829317.95	6424019.99	2483.55	EC
35	1829312.96	6424015.08	2483.41	CL/EC
36	1829307.97	6424010.17	2483.27	EC
37	1829280.12	6424058.41	2478.91	BC
38	1829275.13	6424053.49	2478.77	CL/BC
39	1829270.15	6424048.58	2478.63	BC
40	1829271.10	6424071.96	2477.27	EC
41	1829264.64	6424069.26	2477.13	CL/EC
42	1829258.19	6424066.56	2476.99	EC
43	1829264.05	6424088.81	2475.70	BC
44	1829257.59	6424086.10	2475.56	CL/BC
45	1829251.13	6424083.40	2475.42	BC
46	1829261.72	6424114.70	2472.87	EC
47	1829254.89	6424116.22	2472.73	CL/EC
48	1829248.05	6424117.73	2472.59	EC
49	1829265.95	6424133.79	2470.85	BC
50	1829259.11	6424135.30	2470.71	CL/BC
51	1829252.28	6424136.81	2470.57	BC
52	1829243.22	6424184.83	2467.57	EC
53	1829239.77	6424178.74	2467.43	CL/EC
54	1829236.32	6424172.65	2467.29	EC
55	1829676.04	6423813.48		RP
56	1829593.17	6423822.05		RP

EARTH QUANTITIES:
CUT: 166 CY
FILL: 146 CY
NET: 20 CY

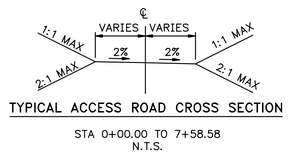
DISTURBED AREA:
PAD: 0 SF
ROAD: 10839 SF
TOTAL: 10839 SF

QUANTITIES:
RIP RAP: 100 SF
DOWN DRAIN: 2 LF
LENGTH OF ACCESS ROAD: 759 LF

ACCESS ROAD TO TOWER P-35-1 PLAN

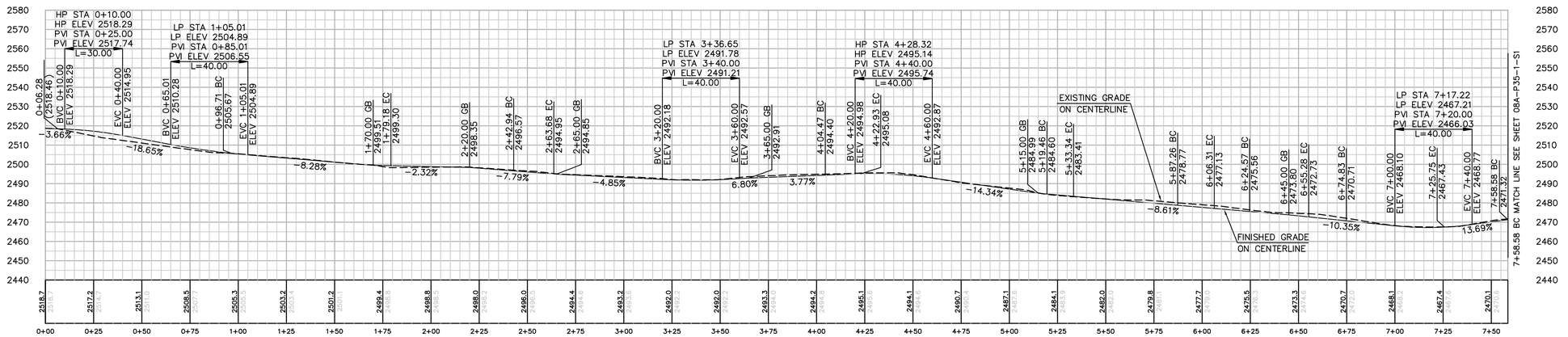
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



TYPICAL ACCESS ROAD CROSS SECTION

STA 0+00.00 TO 7+58.58
N.T.S.



PROFILE: ACCESS ROAD TO TOWER P-35-1

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

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

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-8A (LINK 2)
ACCESS ROAD TO SITE P-35-1

DRAWN BY: 00	DATE:	SCALE: 30	W.O.	REV. 0	08A-P35-1-R1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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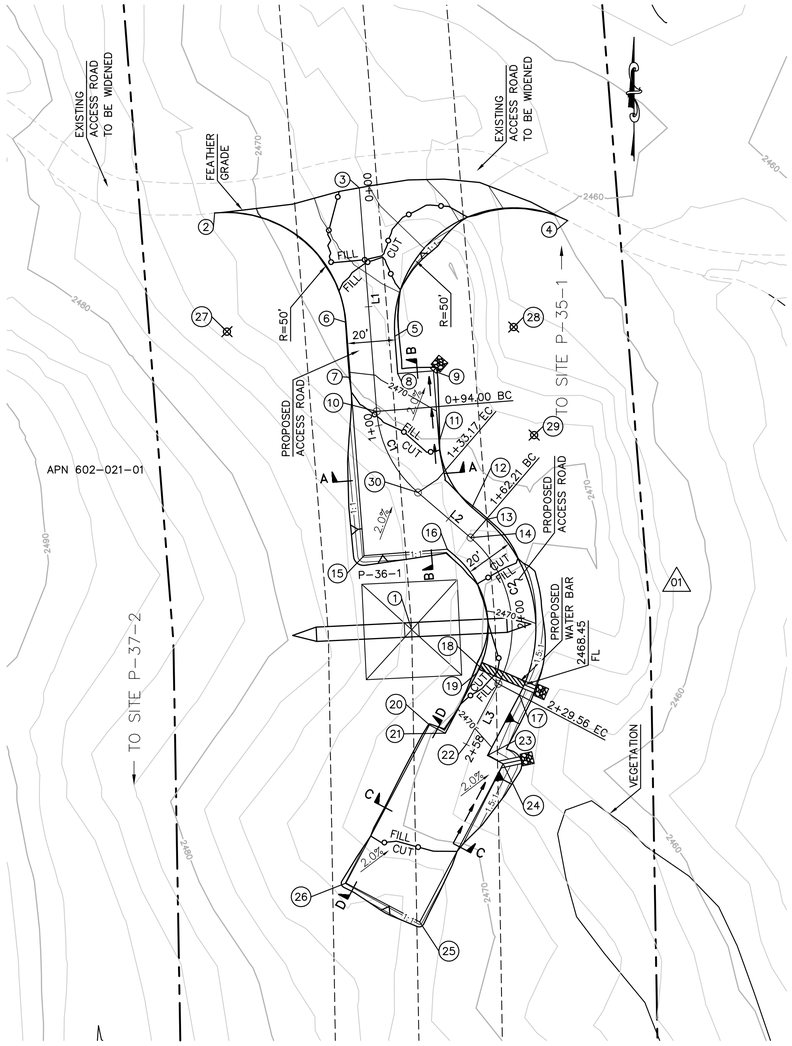
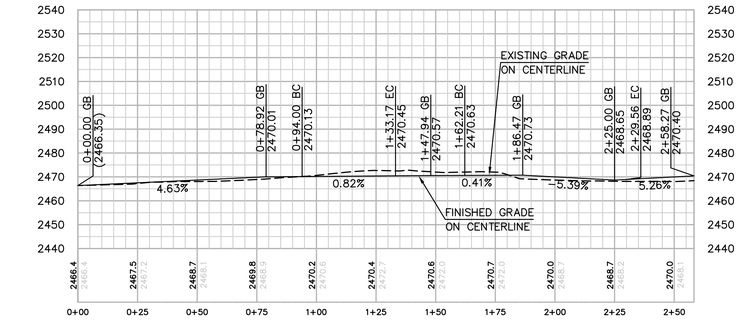


STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-36-1	500 KV EXHD Lattice Dead-End Tower	3.48	165.75

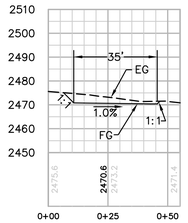
CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		94.00	S4°28'02"E
C1	50.00	39.17	44°53'05"
L2		29.04	S49°21'07"E
C2	50.00	67.35	77°10'40"
L3		28.71	S27°49'33"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1827033.35	6424481.07	(2475.61)	P-36-1
2	1827208.06	6424398.41	(2471.50)	BC/EG
3	1827218.62	6424459.07	(2466.35)	CL/EG
4	1827204.88	6424546.40	(2459.51)	BC/EG
5	1827156.38	6424473.96	2469.18	EC
6	1827162.23	6424453.45	2469.03	EC
7	1827139.17	6424455.25	2470.16	FG
8	1827140.72	6424475.19	2469.86	FG
9	1827141.89	6424490.14	2469.64	FG
10	1827124.91	6424466.39	2470.28	CL/BC
11	1827111.85	6424492.49	2470.28	BC/FG
12	1827084.61	6424506.31	2470.40	EC/FG
13	1827079.54	6424512.22	2470.73	BC
14	1827071.95	6424505.71	2470.63	CL/BC
15	1827064.39	6424461.09	2471.30	FG
16	1827067.12	6424495.98	2470.71	FG
17	1827006.01	6424526.20	2468.69	EC
18	1827010.68	6424517.35	2468.89	CL/EC
19	1827015.34	6424508.51	2469.09	EC
20	1826993.46	6424488.48	2470.75	FG
21	1826989.96	6424495.11	2470.60	FG
22	1826985.29	6424503.95	2470.40	CL/FG
23	1826980.62	6424512.80	2470.20	FG
24	1826977.12	6424519.43	2470.05	FG
25	1826910.79	6424484.42	2471.01	FG
26	1826927.13	6424453.47	2471.71	FG
27	1827158.33	6424403.60		RP
28	1827160.27	6424523.81		RP
29	1827114.96	6424532.37		RP
30	1827090.87	6424483.67	2470.62	CL/EC



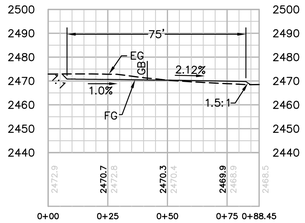
PROFILE: ACCESS ROAD TO TOWER P-36-1

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



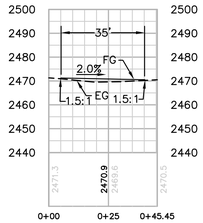
SECTION A-A

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



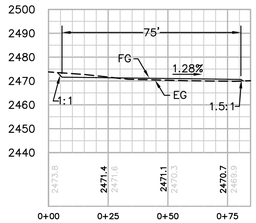
SECTION B-B

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



SECTION C-C

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



SECTION D-D

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

EARTH QUANTITIES:
CUT: 285 CY.
FILL: 255 CY.
NET: 30 CY.

DISTURBED AREA:
PAD: 6,222 SF
ROAD: 5,197 SF
TOTAL: 11,419 SF

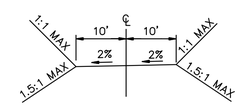
QUANTITIES:
RIP RAP: 75 SF
DOWN DRAIN: 15 LF

LENGTH OF ACCESS ROAD: 188 LF

TOWER P-36-1 PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+60.00 TO 0+78.92
STA 1+62.21 TO 2+58.27
N.T.S.

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

REVISIONS

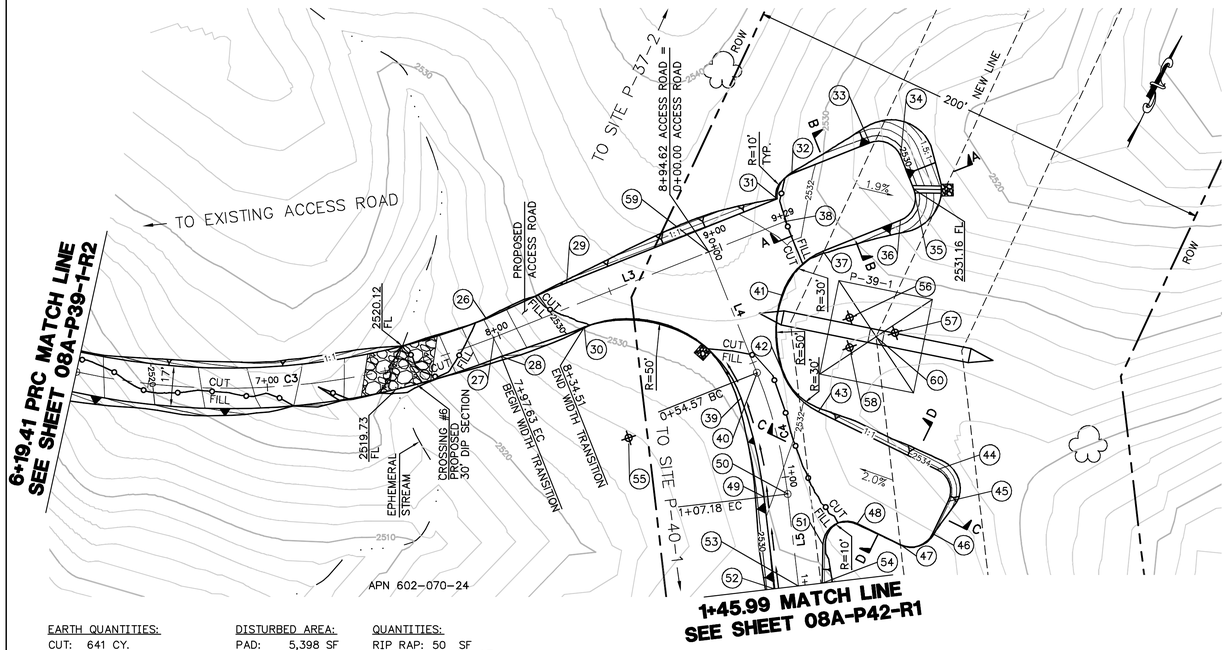
NO.	WORK DONE	DATE	BY:	APP'D:
01	REMOVE PULLSITE REFERENCE P-36-PS-A&B	8/23/10	MM	MB

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
SITE P-36-1

DRAWN BY: 00	DATE:	SCALE: 30	W.O.	REV. 0	08A-P36-1-S1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-P36-2-S1.dwg Aug-23-2010 16:40



STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-39-1	500 KV EXHD Lattice Dead-End Tower	-31.67	153.75

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C3	300.00	178.22	34°02'13"
L3		131.51	N42°17'16"E
L4		54.57	S47°42'44"E
C4	200.00	52.61	15°04'20"
L5		38.81	S32°38'24"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
26	1822975.95	6424398.74	2526.21	EC
27	1822970.23	6424405.03	2526.04	CL/EC
28	1822964.51	6424411.32	2525.87	EC
29	1823004.24	6424422.45	2530.73	FG
30	1822990.79	6424437.25	2530.33	BC
31	1823074.47	6424486.33	2532.26	BC
32	1823086.68	6424487.30	2532.21	EC
33	1823112.58	6424510.85	2531.61	BC
34	1823113.24	6424524.97	2531.33	EC
35	1823103.15	6424536.07	2531.16	BC
36	1823089.03	6424536.74	2531.22	EC
37	1823063.13	6424513.19	2531.82	BC
38	1823067.51	6424493.51	2532.15	CL
39	1822992.80	6424509.29	2531.47	PCC
40	1823005.26	6424510.66	2531.55	CL/BC
41	1823039.09	6424505.74	2531.67	PCC
42	1823011.00	6424519.29	2531.74	PCC
43	1823001.81	6424540.92	2532.12	EC
44	1823001.86	6424596.34	2533.22	BC
45	1822991.87	6424606.35	2533.40	EC
46	1822976.87	6424606.36	2533.36	BC
47	1822966.86	6424596.37	2533.14	EC
48	1822966.84	6424576.12	2532.74	BC
49	1822959.78	6424536.09	2531.93	EC
50	1822965.18	6424544.51	2532.10	CL/EC
51	1822952.65	6424567.05	2532.52	EC
52	1822927.11	6424557.02	2532.25	FG
53	1822932.50	6424565.44	2532.45	CL
54	1822937.89	6424573.86	2532.65	FG
55	1822957.15	6424474.24		RP
56	1823043.05	6424535.48		RP
57	1823045.69	6424555.30		RP
58	1823031.81	6424540.90		RP
59	1823041.98	6424470.29	2531.59	CL/INT
60	1823040.68	6424548.93	(2534.98)	P-39-1

EARTH QUANTITIES:
CUT: 641 CY.
FILL: 580 CY.
NET: 61 CY.

DIP SECTION EXPORT: 35 CY

DISTURBED AREA:
PAD: 5,398 SF
ROAD: 10,717 SF
TOTAL: 16,115 SF

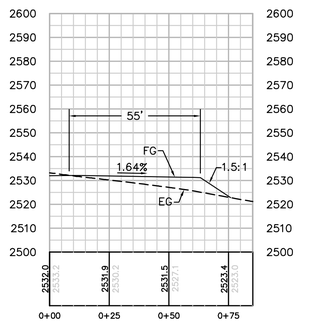
QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 12 LF
DIP SECTION RIP RAP: 508 SF

LENGTH OF ACCESS ROAD 456 LF

TOWER P-39-1 PLAN

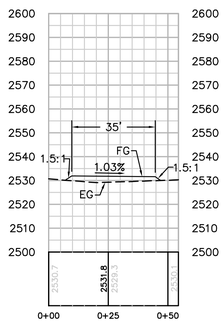
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



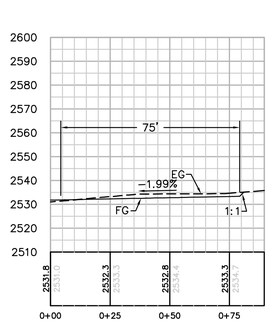
SECTION A-A

SCALE: 1" = 30'



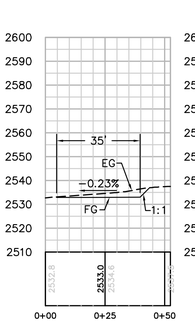
SECTION B-B

SCALE: 1" = 30'



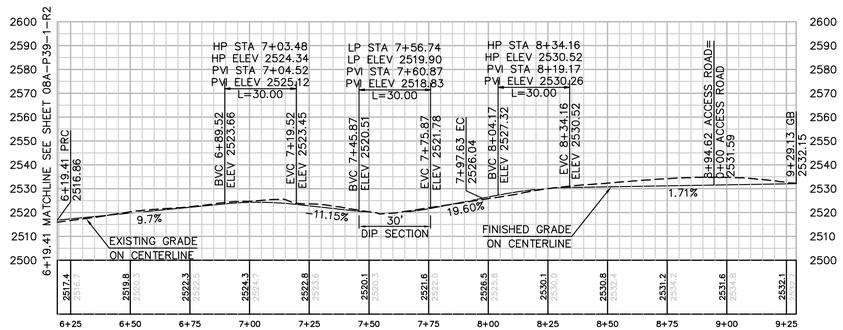
SECTION C-C

SCALE: 1" = 30'



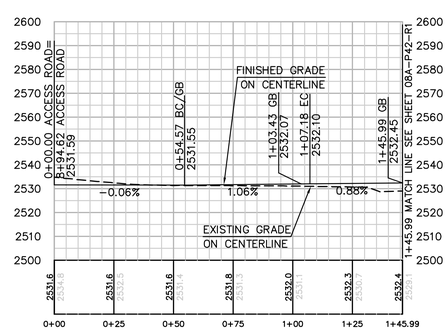
SECTION D-D

SCALE: 1" = 30'



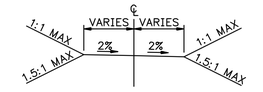
PROFILE: ACCESS ROAD TO TOWER P-39-1

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



PROFILE: ACCESS ROAD TO TOWER P-42

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 1+45.99
STA 6+19.41 TO 9+29.13
N.T.S.

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-P39-1-S1.dwg LMay-21-2010 12:46

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

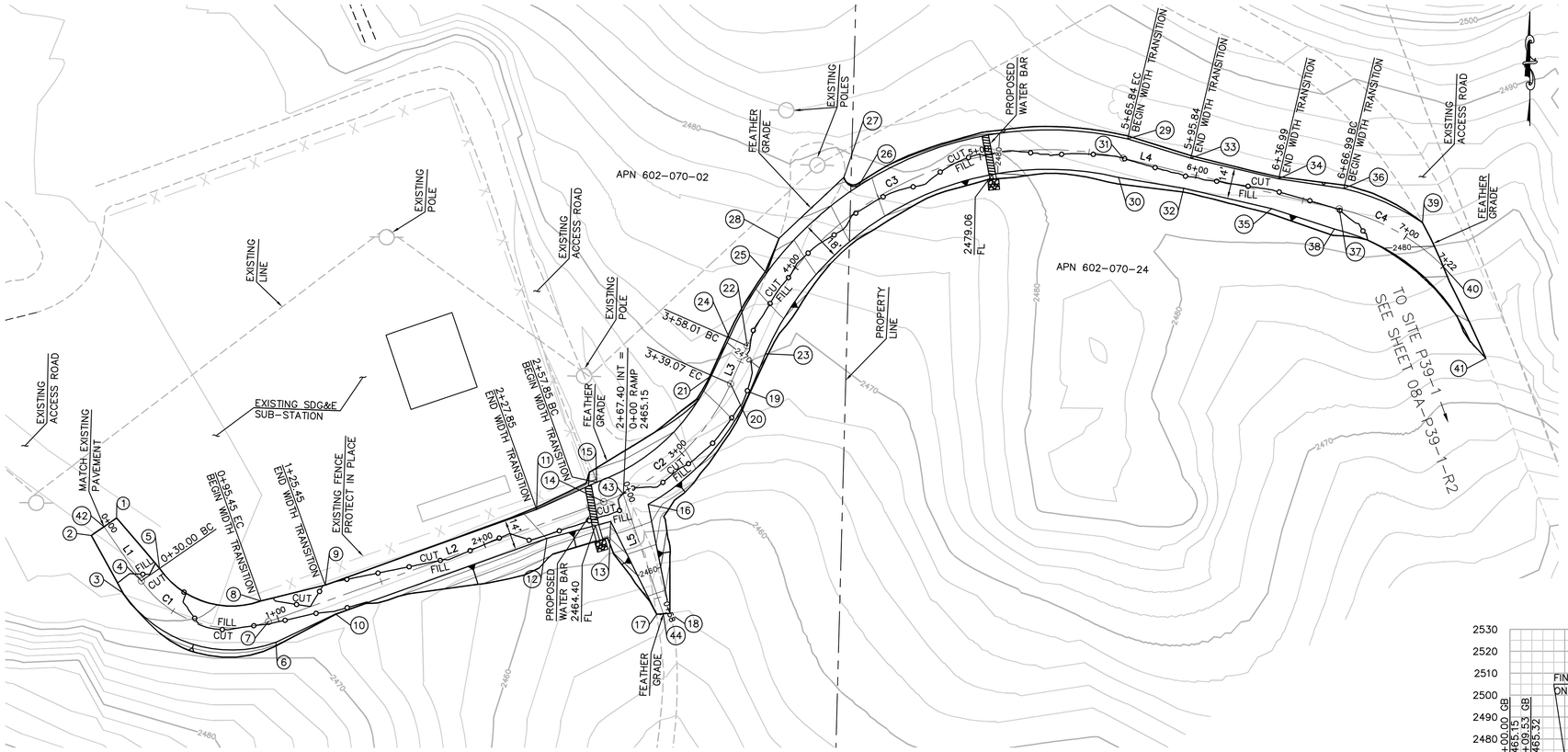
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
SITE P-39-1

DRAWN BY: OO	DATE:	SCALE: 30	W.O.	REV. 0	08A-P39-1-S1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		30.00	S35°41'34"E
C1	50.00	65.45	75°00'00"
L2		162.40	N69°18'26"E
C2	100.00	81.22	46°32'12"
L3		18.94	N22°46'14"E
C3	150.00	207.84	79°23'18"
L4		101.14	S77°50'28"E
C4	100.00	54.85	31°25'44"
L5		57.66	N19°31'35"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1822734.18	6423014.75	(2465.23)	EG
2	1822726.01	6423003.37	(2465.49)	EG
3	1822699.90	6423018.45	2465.89	FG
4	1822705.73	6423026.57	2465.69	CL/BC
5	1822711.58	6423034.71	2465.49	FG
6	1822678.78	6423088.38	2466.92	FG
7	1822688.13	6423084.85	2466.72	CL/EC
8	1822697.49	6423081.31	2466.52	FG
9	1822705.28	6423110.44	2466.87	FG
10	1822692.18	6423115.39	2467.15	FG
11	1822741.46	6423206.23	2465.71	FG
12	1822728.37	6423211.18	2465.99	FG
13	1822736.63	6423240.12	2465.15	FG
14	1822745.52	6423236.77	2464.96	CL/BC
15	1822754.40	6423233.41	2464.77	FG
16	1822744.74	6423257.05	2465.50	FG
17	1822694.68	6423261.79	(2456.94)	EG
18	1822695.27	6423267.82	(2456.00)	EG
19	1822796.68	6423302.40	2469.07	FG
20	1822800.36	6423293.64	2468.88	CL/EC
21	1822804.04	6423284.88	2468.69	FG
22	1822817.82	6423300.97	2470.37	CL/BC
23	1822814.34	6423309.27	2470.55	FG
24	1822821.31	6423292.67	2470.19	FG
25	1822851.15	6423309.16	2472.62	FG
26	1822891.58	6423350.36	2477.38	FG
27	1822895.40	6423343.62	(2478.21)	EG
28	1822867.07	6423314.60	(2474.84)	EG
29	1822915.20	6423472.77	2482.57	FG
30	1822897.60	6423468.97	2482.93	FG
31	1822906.40	6423470.87	2482.75	CL
32	1822893.24	6423498.72	2482.74	FG
33	1822906.93	6423501.67	2482.46	FG
34	1822898.26	6423541.89	2482.15	FG
35	1822884.57	6423538.94	2482.43	FG
36	1822894.39	6423571.74	2481.80	FG
37	1822885.10	6423569.74	2481.99	CL/BC
38	1822875.81	6423567.74	2482.18	FG
39	1822879.44	6423607.91	(2481.54)	EG
40	1822859.77	6423617.63	(2478.67)	EG
41	1822818.09	6423637.82	(2473.83)	EG
42	1822730.10	6423009.07	(2465.36)	CL
43	1822749.32	6423245.53	2465.15	CL/INT
44	1822694.98	6423264.81	(2456.47)	CL

EARTH QUANTITIES:
CUT: 188 CY.
FILL: 157 CY.
NET: 31 CY.

DISTURBED AREA:
ROAD: 16,490 SF

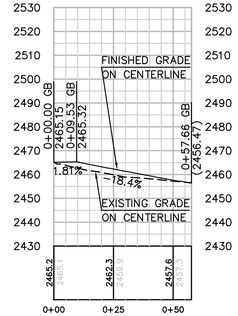
QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 9 LF

LENGTH OF ACCESS ROAD: 770 LF

ACCESS ROAD TO TOWER P-39-1 PLAN

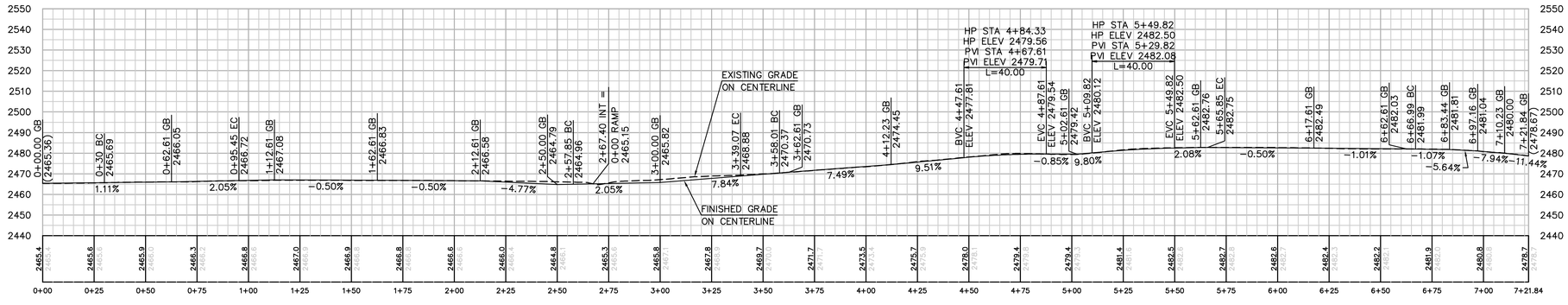
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: RAMP

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



PROFILE: ACCESS ROAD TO TOWER P-39-1

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

TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 7+21.84
N.T.S.

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STATE OF CALIFORNIA

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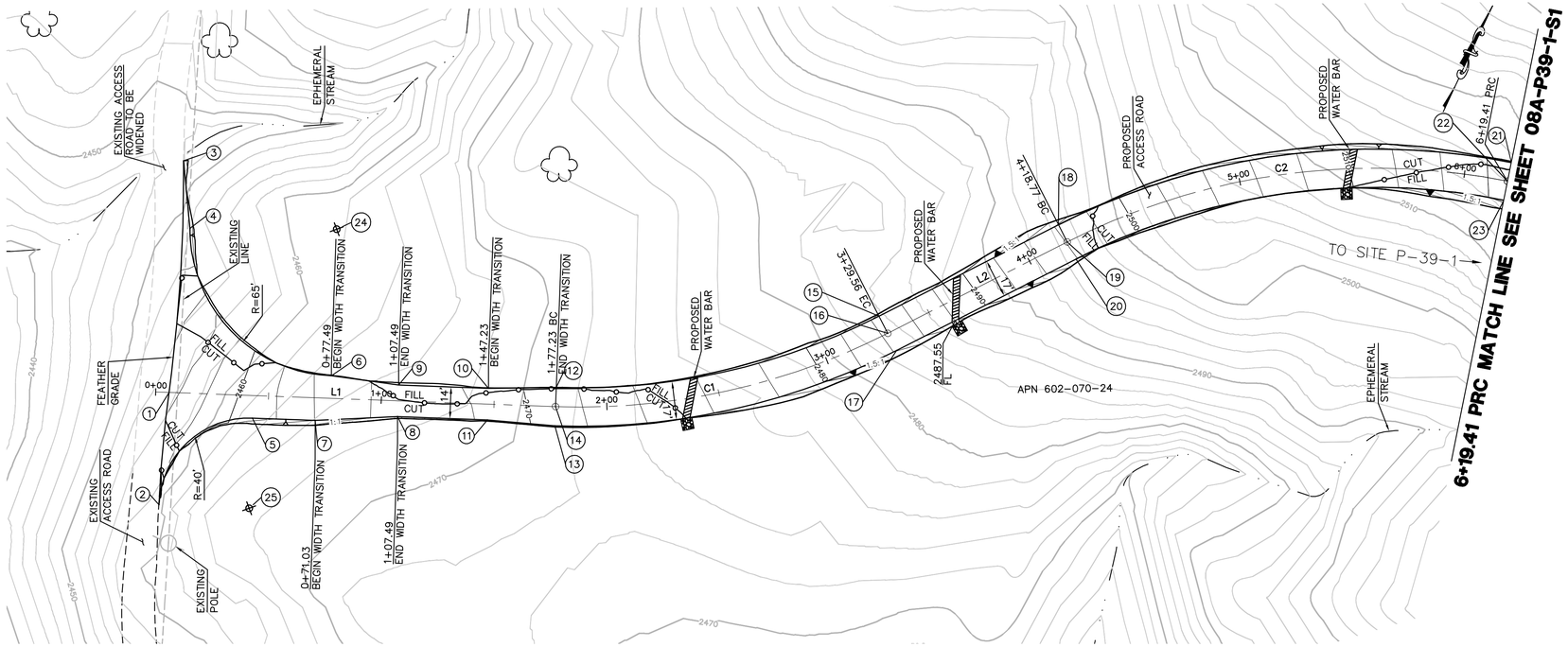
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)

ACCESS ROAD TO SITE P-39-1-R1

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

08A-P39-1-R1



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		177.23	N67°05'59"E
C1	300.00	152.33	29°05'37"
L2		89.21	N38°00'22"E
C2	300.00	200.63	38°19'06"

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1822545.23	6423756.18	(2455.29)	CL
2	1822498.26	6423773.14	(2458.64)	BC/EG
3	1822641.03	6423718.62	(2448.77)	EG
4	1822615.03	6423733.86	2450.80	BC
5	1822550.55	6423794.47	2460.75	EC
6	1822582.29	6423818.22	2464.47	EC
7	1822561.36	6423820.06	2464.03	FG
8	1822578.31	6423852.47	2466.80	FG
9	1822591.20	6423847.02	2467.08	FG
10	1822606.67	6423883.63	2468.74	FG
11	1822593.77	6423889.08	2468.46	FG
12	1822619.72	6423910.68	2471.20	BC
13	1822604.06	6423917.30	2470.86	BC
14	1822611.89	6423913.99	2471.03	CL/BC
15	1822708.76	6424026.94	2484.54	EC
16	1822703.52	6424033.64	2484.37	CL/EC
17	1822698.29	6424040.33	2484.20	EC
18	1822779.05	6424081.87	2496.25	BC
19	1822773.82	6424088.57	2496.08	CL/BC
20	1822768.58	6424095.26	2495.91	BC
21	1822888.85	6424252.01	2517.03	PRC
22	1822880.59	6424254.02	2516.86	CL/PRC
23	1822872.33	6424256.03	2516.69	PRC
24	1822642.17	6423792.92		RP
25	1822513.70	6423810.04		RP

EARTH QUANTITIES:
CUT: 195 CY.
FILL: 184 CY.
NET: 11 CY.

QUANTITIES:
RIPRAP: 75 SF

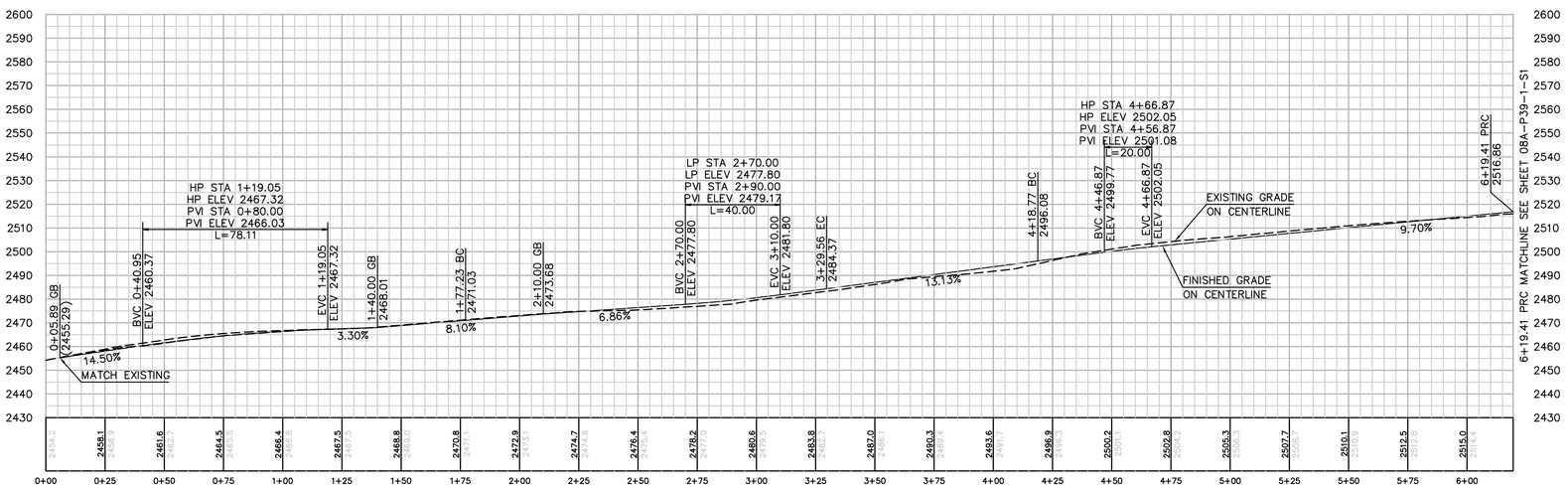
DISTURBED AREA:
PAD: 0 SF
ROAD: 13,612 SF
TOTAL: 13,612 SF

LENGTH OF ACCESS ROAD: 619 LF

ACCESS ROAD TO TOWER P-39-1 PLAN

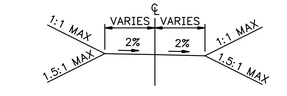
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-39-1

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 6+19.41
N.T.S.

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-P39-1-R2.dwg[CMay-21-201012:44

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STATE OF CALIFORNIA

REVISIONS

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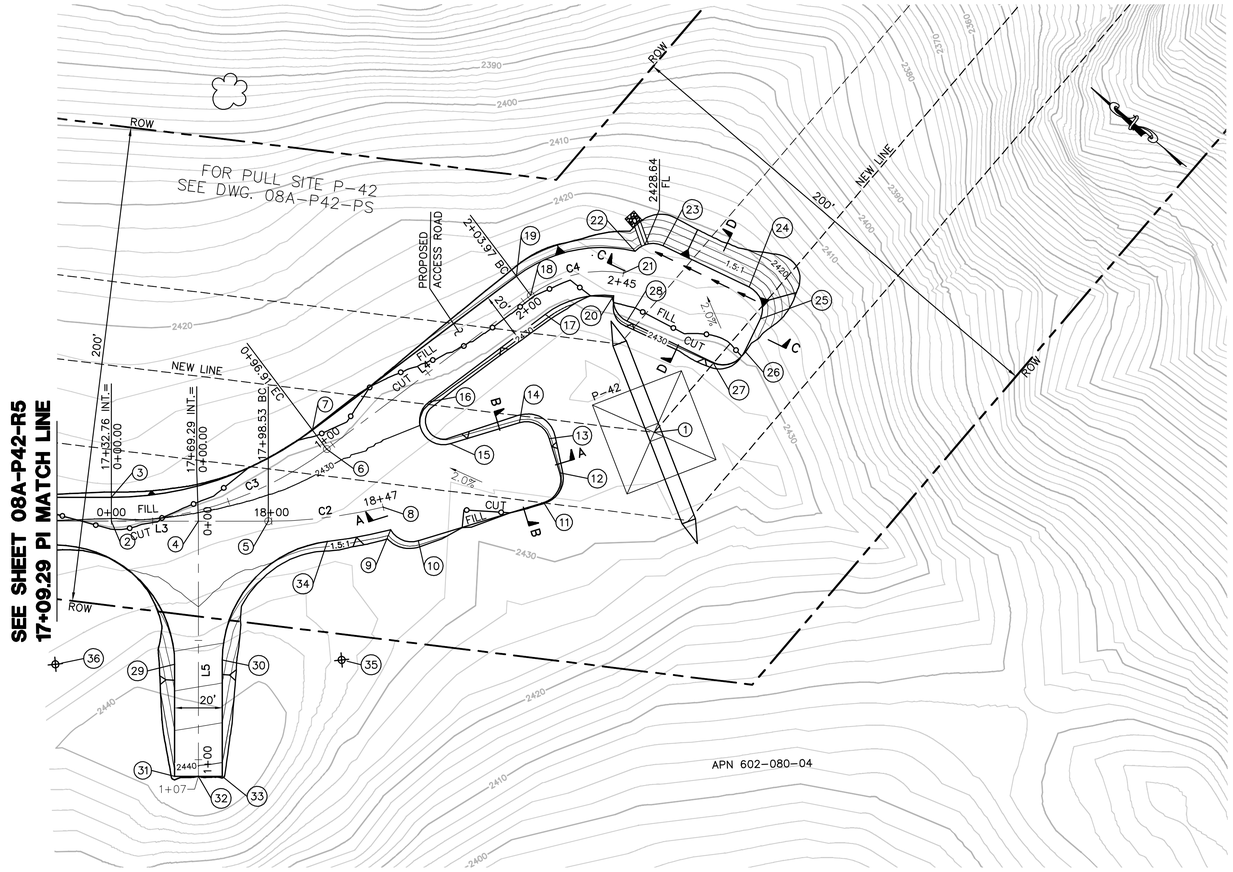
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
ACCESS ROAD TO SITE P-39-1

DRAWN BY: 00	DATE:	SCALE: 30	W.O.	REV. 0	08A-P39-1-R2
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-42	500 KV EXHD Lattice Dead-end Tower	-56.51	126.75

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L3		89.24	S39°40'14"E
C2	200.00	48.62	13°55'42"
C3	150.00	96.91	37°01'03"
L4		107.06	S76°41'17"E
C4	50.00	41.12	47°06'42"
L5		107.00	S50°19'46"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1820060.37	6426457.86	(2434.01)	P-42
2	1820211.76	6426283.93	2430.02	CL/INT
3	1820218.14	6426291.63	2429.82	BC
4	1820183.63	6426307.25	2430.16	CL/INT
5	1820161.13	6426325.92	2430.27	CL/BC
6	1820161.54	6426364.85	2429.85	CL/EC
7	1820171.27	6426367.15	2429.65	EC
8	1820127.83	6426361.18	2430.44	CL/EC
9	1820119.32	6426355.87	2430.58	FG
10	1820107.48	6426359.74	2430.82	FG
11	1820077.20	6426405.65	2431.65	FG
12	1820080.04	6426419.50	2431.67	FG
13	1820092.56	6426427.76	2431.47	FG
14	1820106.42	6426424.92	2431.19	FG
15	1820123.12	6426399.60	2430.74	FG
16	1820141.20	6426407.41	2429.52	FG
17	1820127.16	6426466.73	2428.80	BC
18	1820136.89	6426469.04	2428.60	CL/BC
19	1820146.62	6426471.34	2428.40	BC
20	1820110.00	6426491.08	2428.93	FG

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
21	1820112.91	6426501.01	2428.78	CL/EC
22	1820115.02	6426511.21	2428.64	FG
23	1820107.46	6426520.41	2428.73	FG
24	1820068.66	6426530.12	2429.33	FG
25	1820056.53	6426522.85	2429.61	FG
26	1820052.89	6426508.30	2429.80	FG
27	1820060.16	6426496.17	2429.79	FG
28	1820098.96	6426486.46	2429.19	FG
29	1820153.03	6426254.68	2435.37	EC
30	1820138.80	6426268.86	2435.77	EC
31	1820123.03	6426218.51	2441.18	FG
32	1820115.33	6426224.89	2441.38	CL/FG
33	1820107.63	6426231.28	2441.58	FG
34	1820136.56	6426335.22	2430.58	PRC
35	1820100.31	6426300.78		RP
36	1820191.52	6426222.77		RP

EARTH QUANTITIES:
CUT: 525 CY.
FILL: 314 CY.
NET: 211 CY.

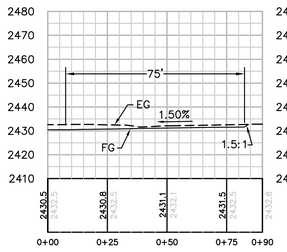
DISTURBED AREA:
PAD: 5,904 SF
ROAD: 11,892 SF
TOTAL: 17,796 SF

QUANTITIES:
DOWN DRAIN: 10 LF
RIP RAP: 25 SF

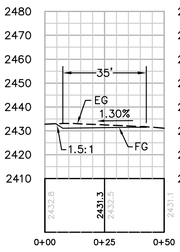
LENGTH OF ACCESS ROAD: 490 LF

TOWER P-42 PLAN
SCALE: 1" = 30'

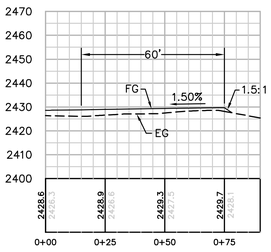
GRAPHIC SCALE
30 0 30 60
1"=30'



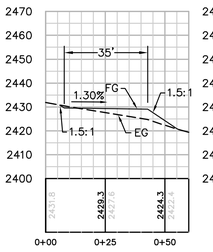
SECTION A-A
HORIZ. & VERT. SCALE: 1" = 30'



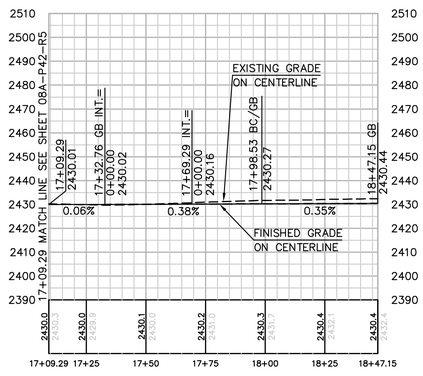
SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



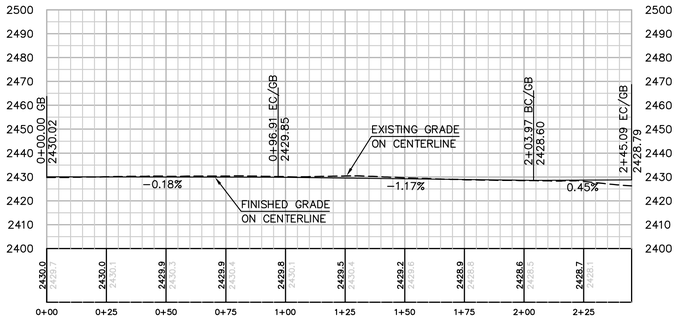
SECTION C-C
HORIZ. & VERT. SCALE: 1" = 30'



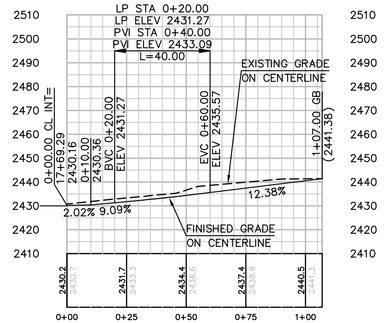
SECTION D-D
HORIZ. & VERT. SCALE: 1" = 30'



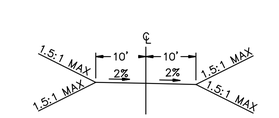
PROFILE: ACCESS ROAD TO TOWER P-42 PAD (WEST)
HORIZ. & VERT. SCALE: 1" = 30'



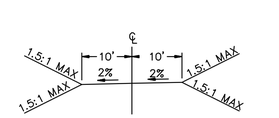
PROFILE: ACCESS ROAD TO TOWER P-42 PAD (EAST)
HORIZ. & VERT. SCALE: 1" = 30'



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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 1+07.00
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
STA 17+09.29 TO 18+47
STA 0+00 TO 2+45
N.T.S.

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STATE OF CALIFORNIA

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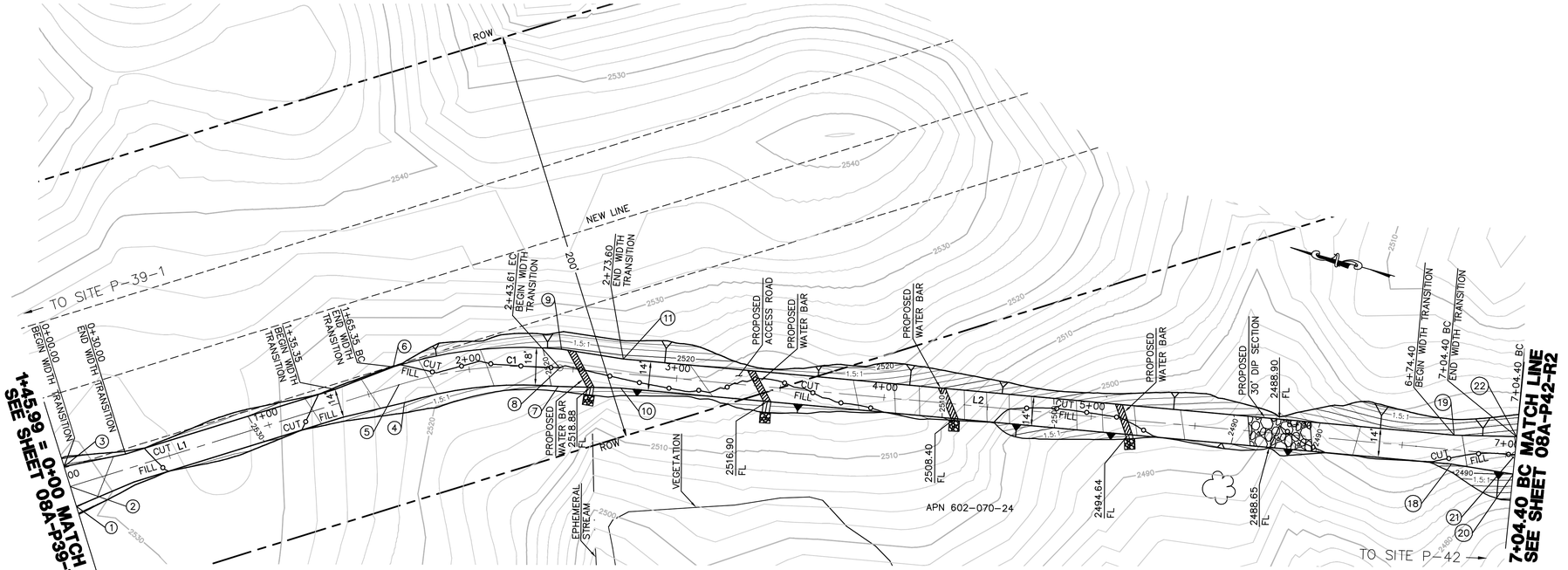
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
SITE P-42

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

08A-P42-S1



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		165.35	S32°38'24"E
C1	200.000	78.26	22°25'12"
L2		460.79	S10°13'13"E

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1822927.11	6424557.02	2532.25	FG
2	1822932.50	6424565.44	2532.45	CL/FG
3	1822937.89	6424573.86	2532.65	FG
4	1822788.41	6424647.04	2525.19	FG
5	1822793.27	6424654.62	2525.01	CL/BC
6	1822798.12	6424662.20	2524.83	FG
7	1822719.28	6424674.17	2519.76	FG
8	1822720.88	6424683.03	2519.58	CL/EC
9	1822722.48	6424691.89	2519.40	FG
10	1822690.11	6424681.47	2519.02	FG
11	1822692.60	6424695.24	2518.74	FG
18	1822295.69	6424752.58	2492.59	FG
19	1822298.17	6424766.36	2492.31	FG
20	1822265.81	6424755.93	2489.99	FG
21	1822267.40	6424764.79	2490.10	CL/BC
22	1822269.00	6424773.65	2489.92	FG

EARTH QUANTITIES:
CUT: 599 CY.
FILL: 246 CY.
NET: 353 CY.

DIP SECTION
EXPORT: 28 CY

DISTURBED AREA:
ROAD: 16,284 SF

QUANTITIES:
RIP RAP: 100 SF
DOWN DRAIN: 27 LF
DIP SECTION RIP RAP: 419 SF

LENGTH OF ACCESS ROAD: 704 LF

ACCESS ROAD TO TOWER P-42
SCALE: 1" = 30'

GRAPHIC SCALE
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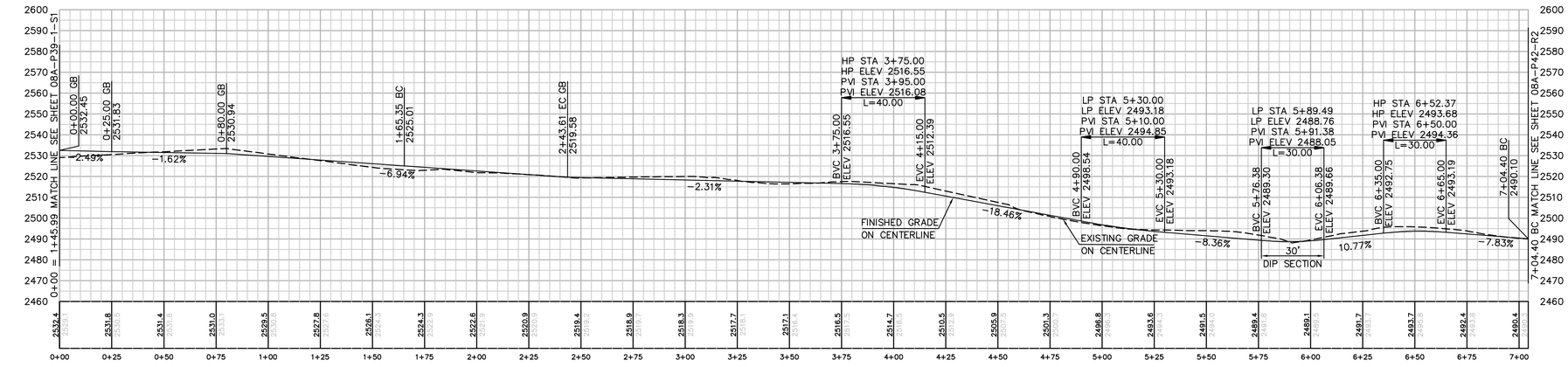
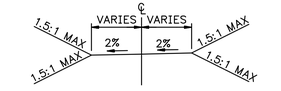
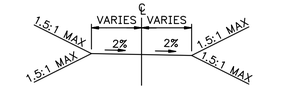
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-42
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 5+63.00
STA 6+13.00 TO 7+04.40
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
STA 5+73.00 TO 6+03.00
N.T.S.

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-P42-R1.dwg [May-21-2010 12:36

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

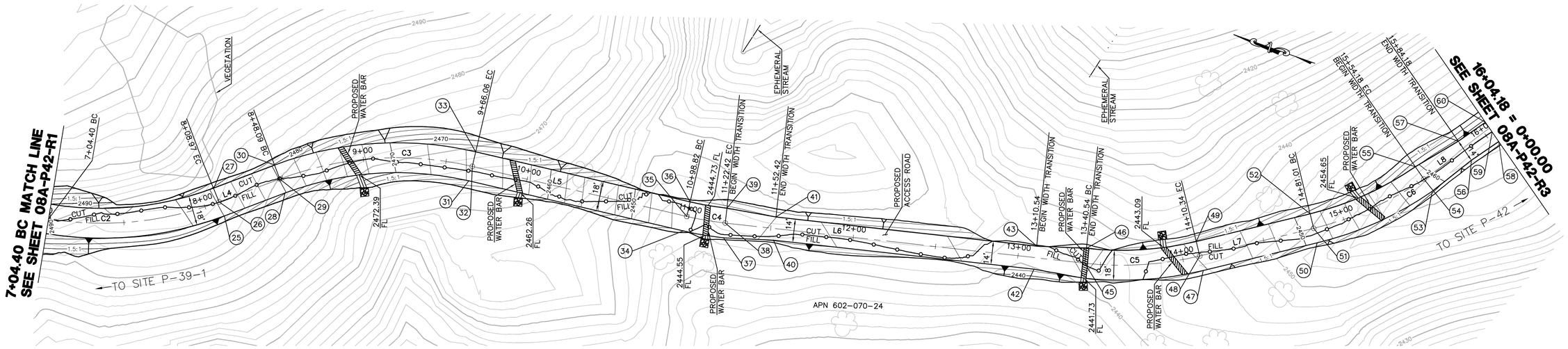
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
ACCESS ROAD TO SITE P-42

DRAWN BY: 00	DATE:	SCALE: 30	W.O.	REV. 0	08A-P42-R1
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



ACCESS ROAD TO TOWER P-42 PLAN

SCALE: 1" = 30'

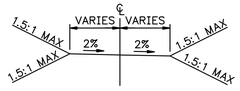
GRAPHIC SCALE
30 0 30 60
1"=30'

EARTH QUANTITIES:
CUT: 555 CY.
FILL: 474 CY.
NET: 81 CY.

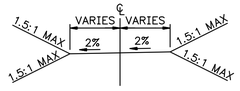
DISTURBED AREA:
ROAD: 23,097 SF

QUANTITIES:
RIP RAP: 150 SF
DOWN DRAIN: 26 SF

LENGTH OF ACCESS ROAD: 900 LF



TYPICAL ACCESS ROAD CROSS SECTION
STA 13+50 TO 16+04.18
N.T.S.



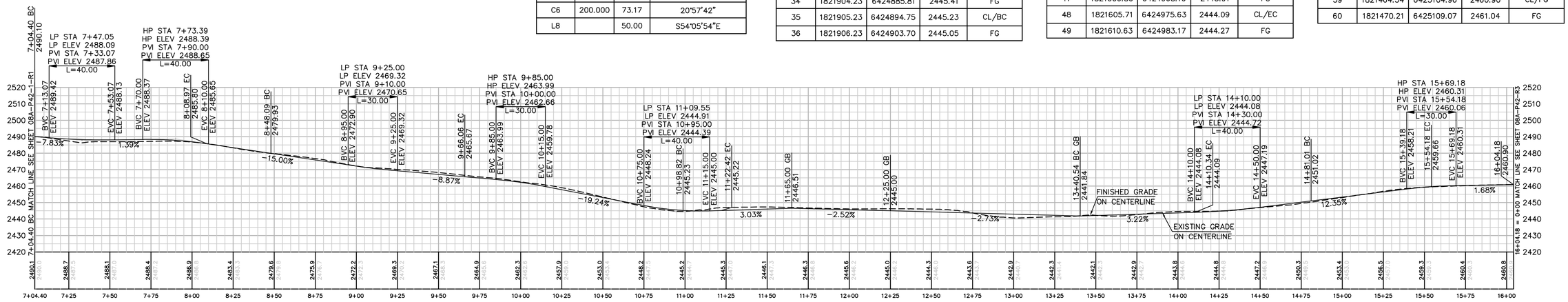
TYPICAL ACCESS ROAD CROSS SECTION
STA 7.04.40 TO 13+30
N.T.S.

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C2	200.000	104.57	29°57'26"
L4		39.12	S40°10'39"E
C3	200.000	117.97	33°47'48"
L5		132.76	S6°22'50"E
C4	200.000	23.60	6°45'40"
L6		218.13	S13°08'31"E
C5	200.000	69.79	19°59'41"
L7		70.68	S33°08'11"E
C6	200.000	73.17	20°57'42"
L8		50.00	S54°05'54"E

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
25	1822168.05	6424801.93	2485.98	FG
26	1822173.86	6424808.81	2485.80	CL/EC
27	1822179.67	6424815.68	2485.62	FG
28	1822138.16	6424827.17	2480.11	FG
29	1822143.97	6424834.05	2479.93	CL/BC
30	1822149.77	6424840.92	2479.75	FG
31	1822036.16	6424871.05	2465.85	FG
32	1822037.16	6424880.00	2465.67	CL/EC
33	1822038.16	6424888.94	2465.49	FG
34	1821904.23	6424885.81	2445.41	FG
35	1821905.23	6424894.75	2445.23	CL/BC
36	1821906.23	6424903.70	2445.05	FG

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
37	1821879.94	6424889.99	2445.40	FG
38	1821881.98	6424898.75	2445.22	CL/EC
39	1821884.03	6424907.51	2445.04	FG
40	1821851.18	6424898.75	2446.27	FG
41	1821854.36	6424912.39	2445.99	FG
42	1821697.19	6424934.71	2442.80	FG
43	1821700.38	6424948.34	2442.52	FG
45	1821669.57	6424948.34	2441.84	C/BC
46	1821671.62	6424957.11	2441.93	FG
47	1821600.80	6424968.10	2443.91	FG
48	1821605.71	6424975.63	2444.09	CL/EC
49	1821610.63	6424983.17	2444.27	FG

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
50	1821541.61	6425006.73	2450.84	FG
51	1821546.53	6425014.27	2451.02	CL/BC
52	1821551.45	6425021.80	2451.20	FG
53	1821486.57	6425059.18	2459.48	FG
54	1821493.86	6425064.46	2459.66	CL/EC
55	1821501.15	6425069.74	2459.84	FG
56	1821470.59	6425084.66	2460.42	FG
57	1821481.93	6425092.87	2460.70	FG
58	1821458.87	6425100.86	2460.76	FG
59	1821464.54	6425104.96	2460.90	CL/FG
60	1821470.21	6425109.07	2461.04	FG



PROFILE: ACCESS ROAD TO TOWER P-42

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

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

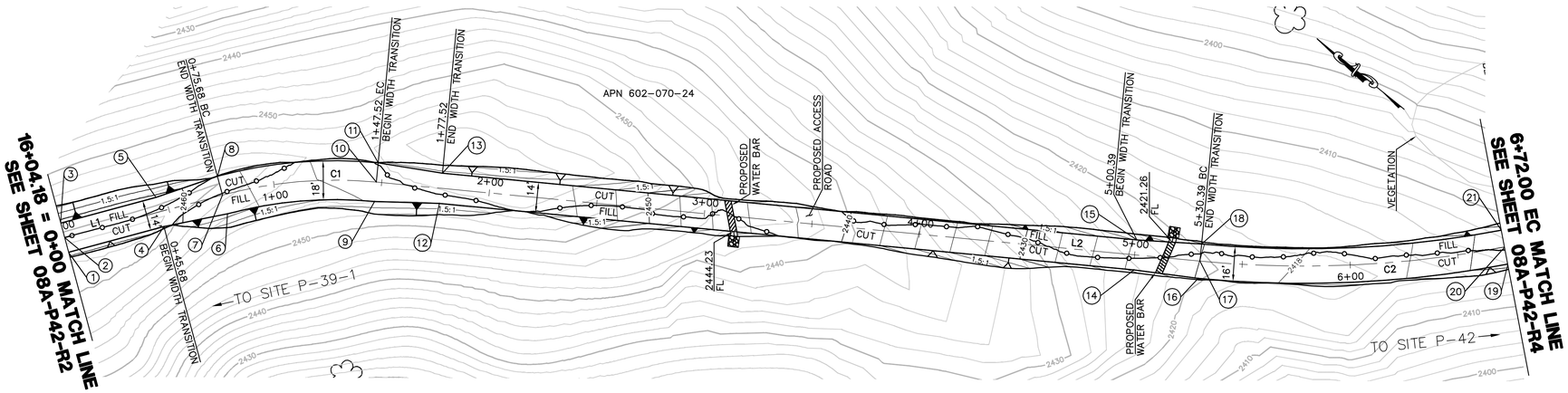
REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
ACCESS ROAD TO SITE P-42

DRAWN BY: 00	DATE:	SCALE: 30	W.O.
CHECKED BY:	DATE:		REV. 0
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08A-P42-R2



NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1821458.87	6425100.86	2460.76	FG
2	1821464.54	6425104.96	2460.90	CL
3	1821470.21	6425109.07	2461.04	FG
4	1821432.08	6425137.86	2460.48	FG
5	1821443.42	6425146.07	2460.76	FG
6	1821412.87	6425160.99	2459.00	BC
7	1821420.16	6425166.26	2458.82	CL/BC
8	1821427.45	6425171.54	2458.64	BC
9	1821363.62	6425208.23	2455.95	EC
10	1821368.59	6425215.73	2455.77	CL/EC
11	1821373.56	6425223.23	2455.59	EC
12	1821339.71	6425226.46	2455.65	FG
13	1821347.44	6425238.13	2455.37	FG
14	1821070.53	6425404.74	2423.48	FG
15	1821078.26	6425416.41	2423.76	FG
16	1821044.96	6425420.47	2419.82	BC
17	1821049.38	6425427.14	2419.98	CL/BC
18	1821053.80	6425433.81	2420.14	BC
19	1820937.79	6425515.73	2412.82	EC
20	1820943.89	6425520.90	2412.98	CL/EC
21	1820950.00	6425526.07	2413.14	EC

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		75.68	S54°05'54"E
C1	200.00	71.84	20°34'53"
L2		382.87	S33°31'00"E
C2	500.02	141.61	16°13'35"

EARTH QUANTITIES:
CUT: 239 CY.
FILL: 181 CY.
NET: 58 CY.

DISTURBED AREA:
ROAD: 13,442 SF

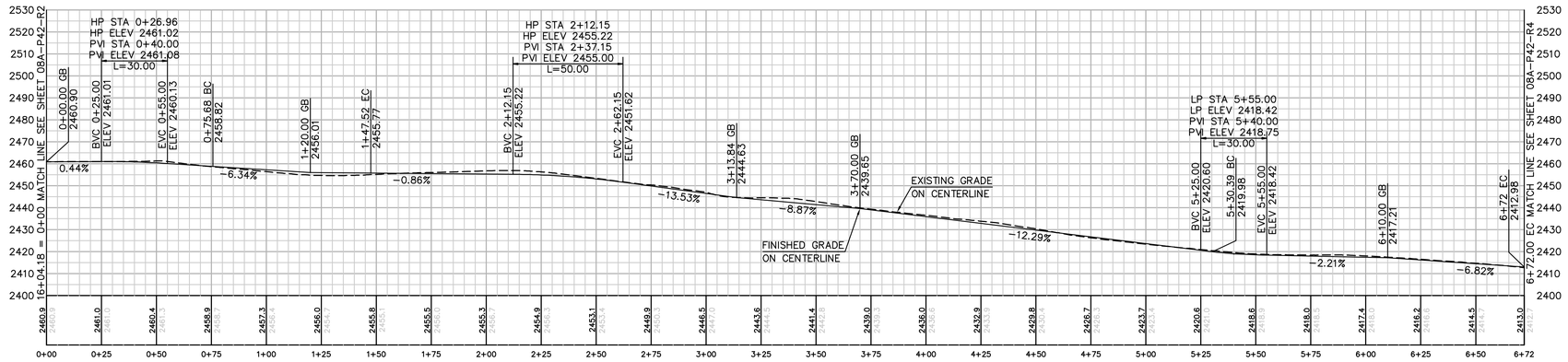
QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 4 LF

LENGTH OF ACCESS ROAD: 672 LF

ACCESS ROAD TO TOWER P-42 PLAN

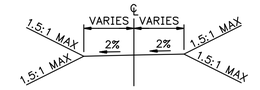
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

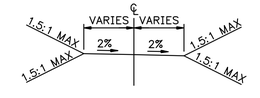


PROFILE: ACCESS ROAD TO TOWER P-42

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+66.00 TO 3+42.00
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 0+56.00
STA 3+52.00 TO 6+72.00
N.T.S.

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
REG. 29108
Exp.3-31-11
CIVIL
STATE OF CALIFORNIA

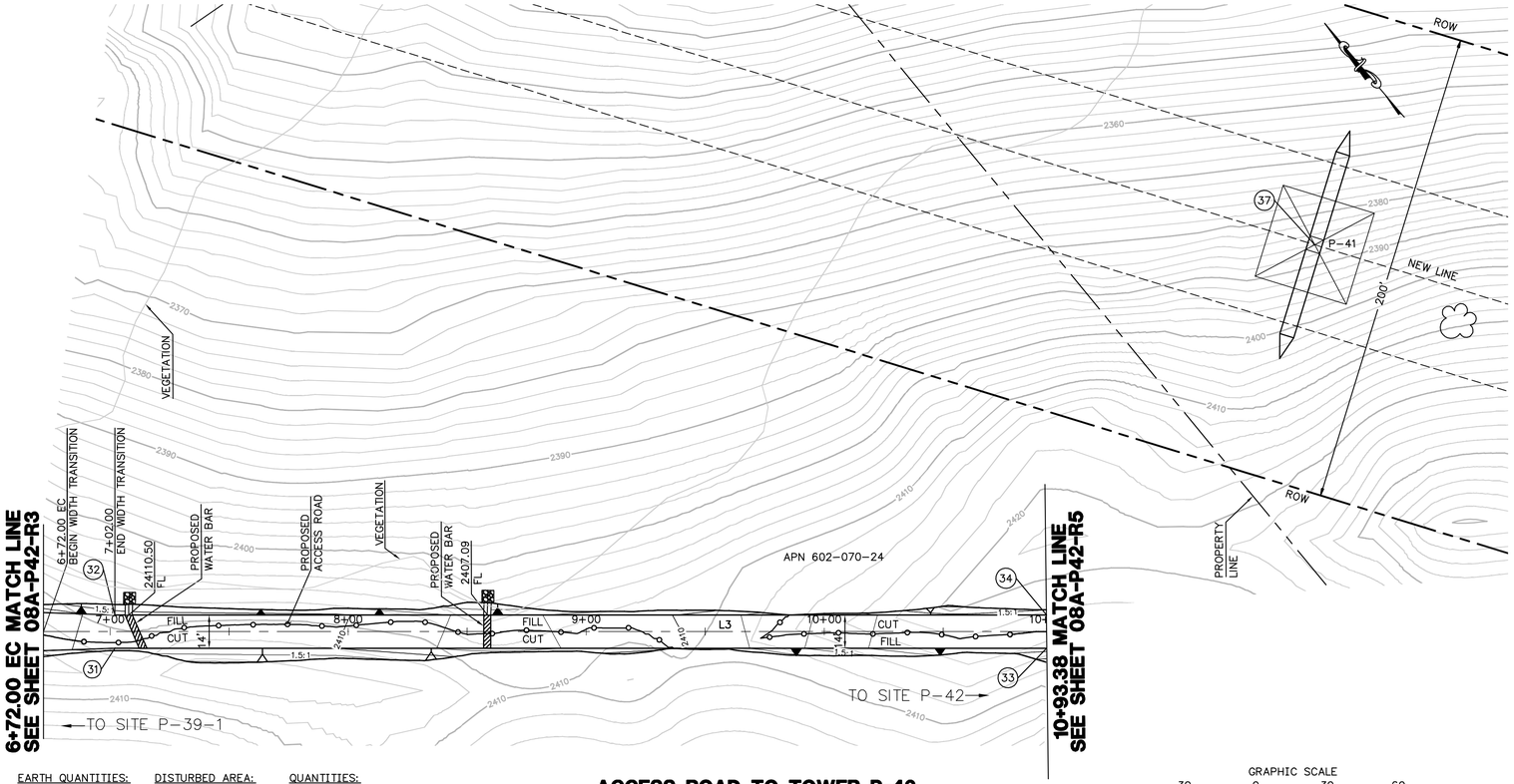
REVISIONS

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
ACCESS ROAD TO SITE P-42

DRAWN BY: 00	DATE:	SCALE: 30	W.O.	REV. 0	08A-P42-R3
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L3		421.38	S49°44'35"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
31	1820919.16	6425539.27	2410.94	FG
32	1820929.85	6425548.32	2411.22	FG
33	1820666.24	6425837.96	2416.91	FG
34	1820676.93	6425847.00	2416.63	FG
37	1820722.93	6426033.49	(2386.18)	P-41

EARTH QUANTITIES:
CUT: 124 CY.
FILL: 108 CY.
NET: 16 CY.

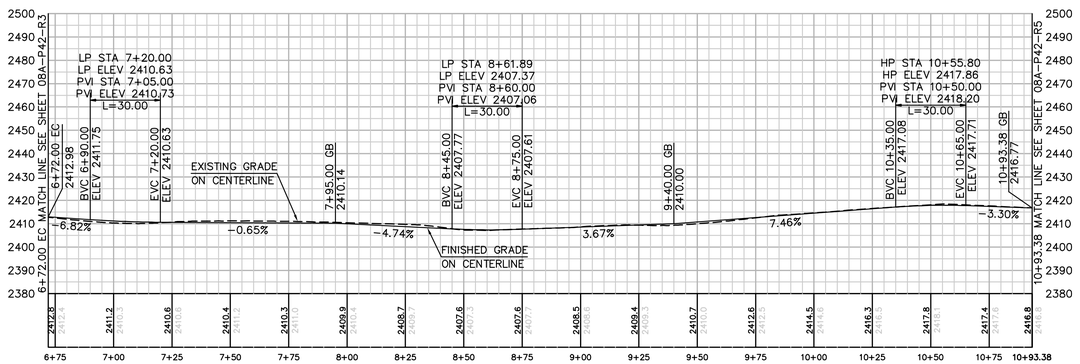
DISTURBED AREA:
ROAD: 8,210 SF

QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 10 LF

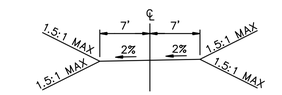
LENGTH OF ACCESS ROAD: 421 LF

ACCESS ROAD TO TOWER P-42
HORIZ. & VERT. SCALE: 1" = 30'

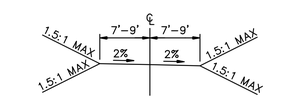
GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO TOWER P-42
HORIZ. & VERT. SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 9+84.00 TO 10+93.38
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
STA 6+72.00 TO 9+74.00
N.T.S.

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\08A-P42-R4.dwg [May-21-2010 12:34

BUREAU VERITAS

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

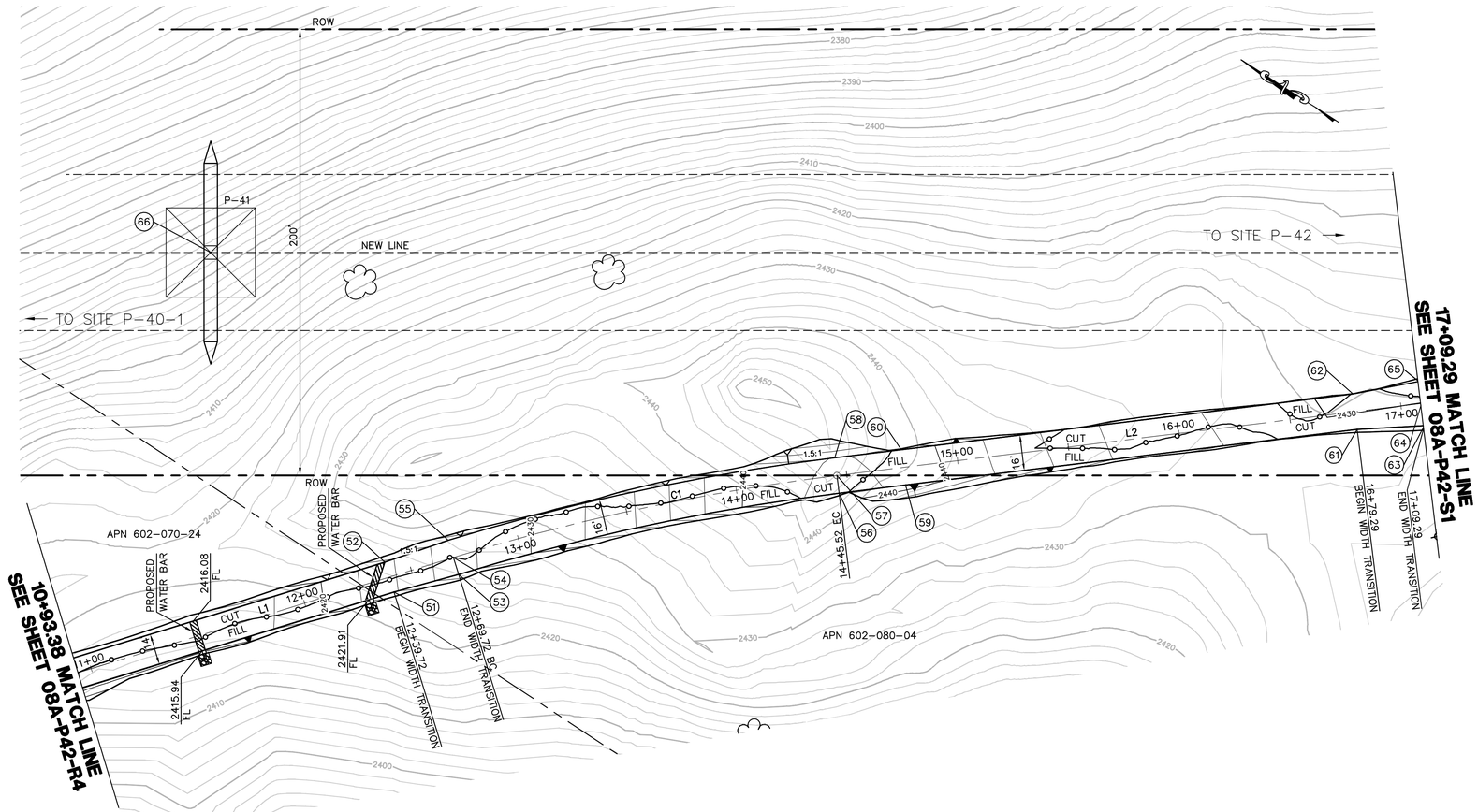
REVISIONS

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-8A (LINK 2)
ACCESS ROAD TO SITE P-42

DRAWN BY: 00	DATE:	SCALE: 30	W.O.	REV. 0	08A-P42-R4
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		176.34	S49°44'35"E
C1	1000.00	175.80	10°04'21"
L2		263.77	S39°40'14"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
51	1820571.68	6425949.63	2423.77	FG
52	1820582.36	6425958.68	2423.49	FG
53	1820551.53	6425971.88	2427.30	BC
54	1820557.63	6425977.05	2427.14	CL/BC
55	1820563.74	6425982.22	2426.98	BC
56	1820427.75	6426094.41	2442.34	EC
57	1820432.85	6426100.56	2442.18	CL/EC
58	1820437.96	6426106.72	2442.02	EC
59	1820404.65	6426113.56	2441.49	FG
60	1820414.87	6426125.87	2441.17	FG
61	1820247.80	6426243.64	2430.15	FG
62	1820258.02	6426255.96	2429.83	FG
63	1820223.43	6426261.25	2430.21	FG
64	1820229.82	6426268.95	2430.01	FG
65	1820236.20	6426276.65	2429.81	FG
66	1820722.93	6426033.49	(2386.18)	P-41

EARTH QUANTITIES:
CUT: 167 CY.
FILL: 165 CY.
NET: 2 CY.

DISTURBED AREA:
ROAD: 12,053 SF

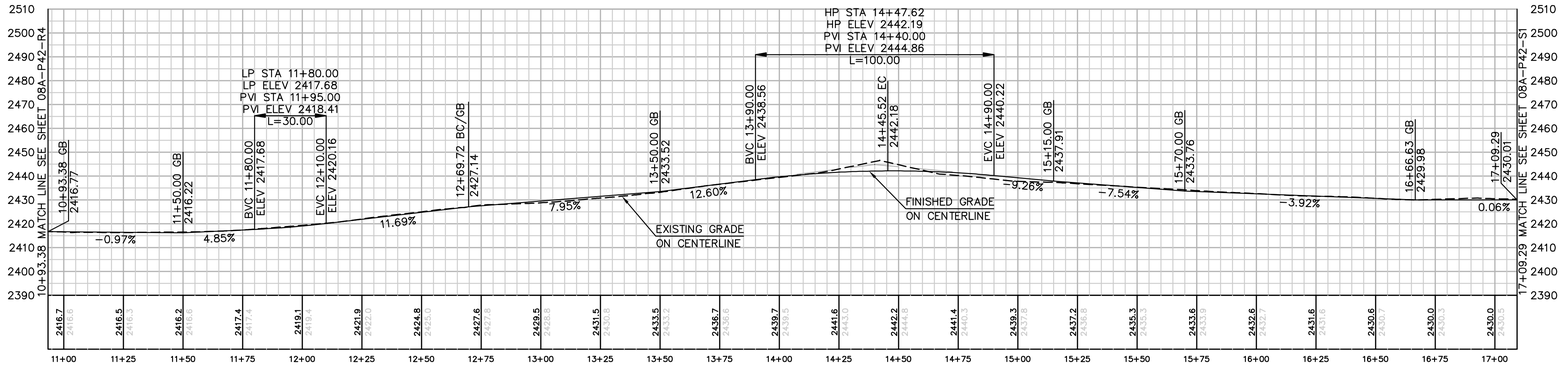
QUANTITIES:
DOWN DRAIN: 4 LF
RIP RAP: 50 SF

LENGTH OF ACCESS ROAD: 616 LF

ACCESS ROAD TO TOWER P-42 PLAN

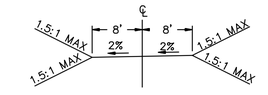
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

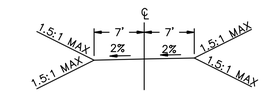


PROFILE: ACCESS ROAD TO TOWER P-42

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 12+69.72 TO 17+09.29
N.T.S.



TYPICAL ACCESS ROAD CROSS SECTION
STA 10+93.38 TO 12+39.72
N.T.S.

REVISIONS

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

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
ACCESS ROAD TO SITE P-42

DRAWN BY: OO	DATE:	SCALE: 30	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08A-P42-R5
CAD NO.:	PLOT SCALE: 1 = 1				

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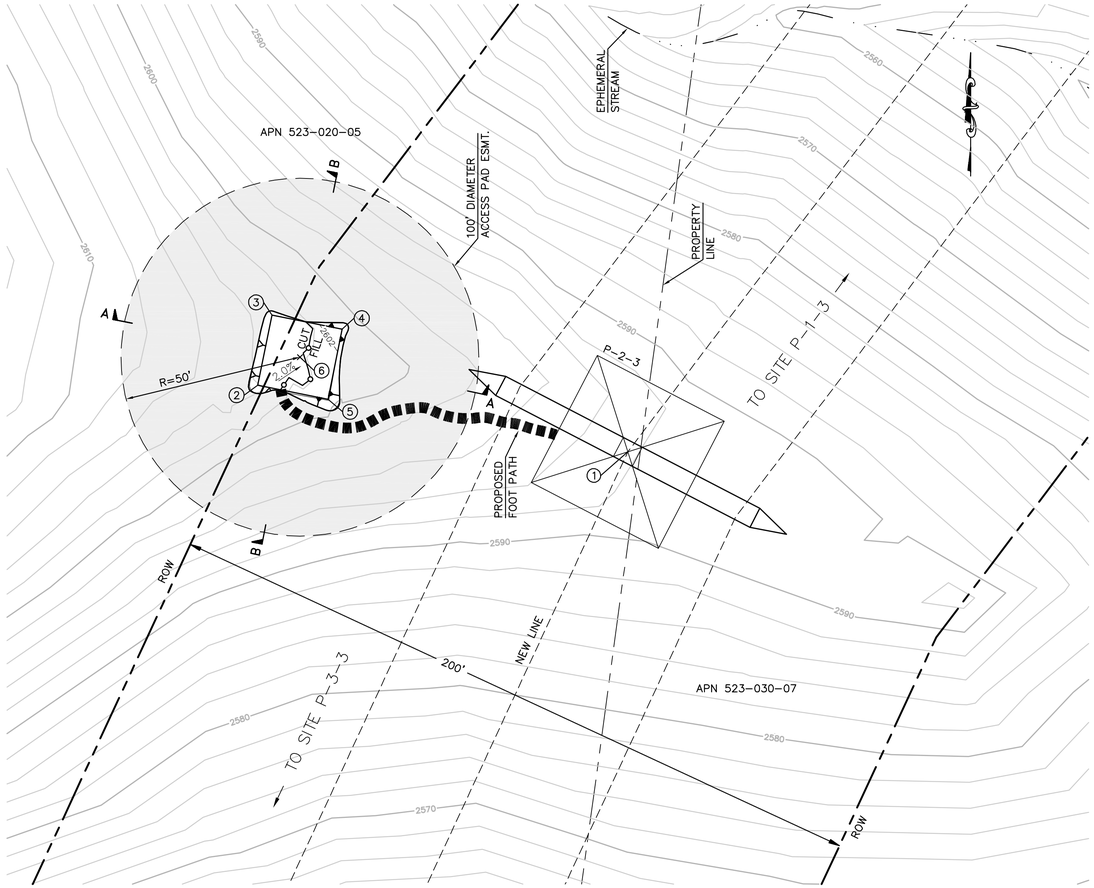


EARTH QUANTITIES:
CUT: 6 CY
FILL: 5 CY
NET: 1 CY

DISTURBED AREA:
PAD: 543 SF
TOTAL: 543 SF

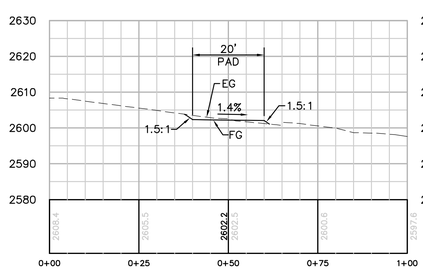
TOWER STAGING/ACCESS PAD FOR TOWER P-2-3
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

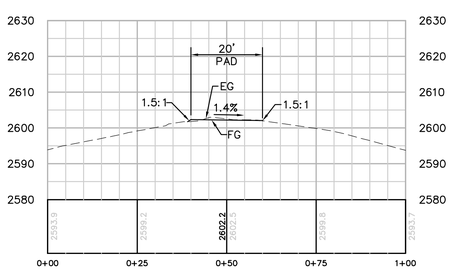
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-2-3	500 KV EXHD Dead-End Lattice Tower	-12.27	168.75

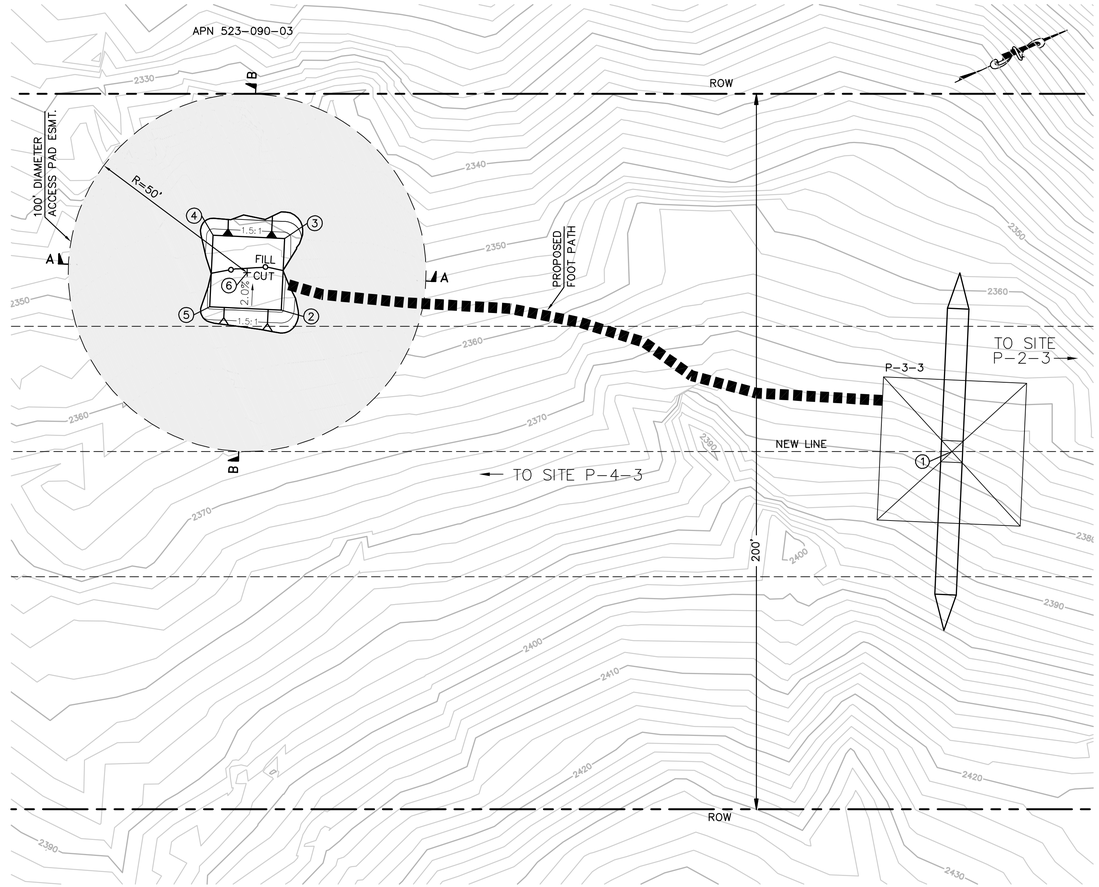
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1871892.49	6427458.71	(2592.83)	P-2-3
2	1871911.13	6427355.31	2602.47	FG
3	1871930.74	6427359.26	2602.19	FG
4	1871926.78	6427378.87	2601.91	FG
5	1871907.18	6427374.91	2602.19	FG
6	1871918.96	6427367.09		RP



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



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



EARTH QUANTITIES:
CUT: 18 CY
FILL: 14 CY
NET: 4 CY

DISTURBED AREA:
PAD: 778 SF
TOTAL: 778 SF

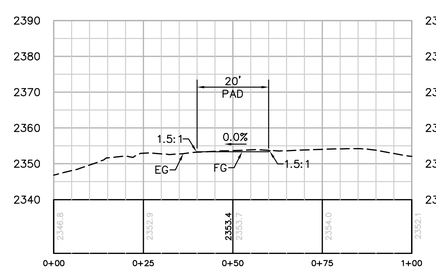
TOWER STAGING/ACCESS PAD FOR TOWER P-3-3
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

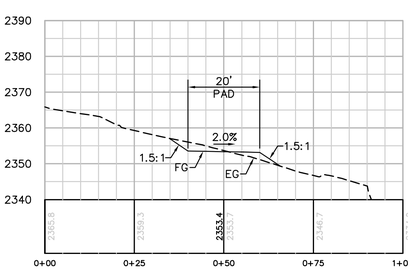
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-3-3	500 KV EXLD Dead-End Lattice Tower	0.00	162.75

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1869571.06	6426381.41	(2375.94)	P-3-3
2	1869417.72	6426266.65	2353.59	FG
3	1869426.98	6426248.93	2353.18	FG
4	1869409.26	6426239.67	2353.18	FG
5	1869400.00	6426257.39	2353.58	FG
6	1869413.49	6426253.16		RP



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



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

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — REG. 29108 — Exp.3-31-YR — 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-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-2-3 & P-3-3

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08A-P2-3 & P3-3-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

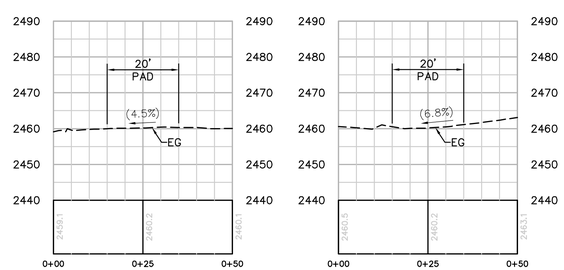
TOWER STAGING/ACCESS PAD FOR TOWER P-4-3
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

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.

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-4-3	500 KV EXMT Lattice Tangent Tower	0.00	112.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1868508.62	6425888.37	(2463.31)	P-4-3
2	1868445.68	6425947.39	(2459.63)	EG
3	1868437.31	6425965.56	(2460.37)	EG
4	1868455.48	6425973.93	(2461.31)	EG
5	1868463.85	6425955.76	(2459.90)	EG
6	1868450.58	6425960.66		RP



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

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

EARTH QUANTITIES:
CUT: 6 CY
FILL: 5 CY
NET: 1 CY

DISTURBED AREA:
PAD: 554 SF
TOTAL: 554 SF

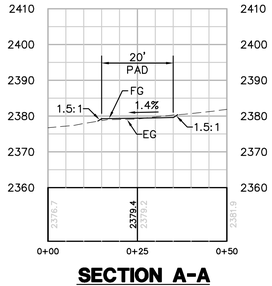
TOWER STAGING/ACCESS PAD FOR TOWER P-5-2
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

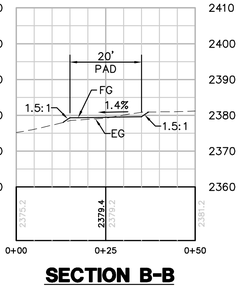
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-5-2	500 KV EXHD Dead-End Lattice Tower	18.80	108.75

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1866741.40	6425068.27	(2353.64)	P-5-2
2	1866737.24	6425296.81	2379.16	FG
3	1866755.38	6425305.24	2379.44	FG
4	1866746.95	6425323.38	2379.72	FG
5	1866728.81	6425314.95	2379.44	FG
6	1866742.09	6425310.10		RP



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



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

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

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-4-3 & P-5-2

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.
CHECKED BY:	DATE:		REV. 0
APPROVED BY:	DATE:		08A-P4-3 & P5-2-TSAP
CAD NO.:	PLOT SCALE: 1 = 1		

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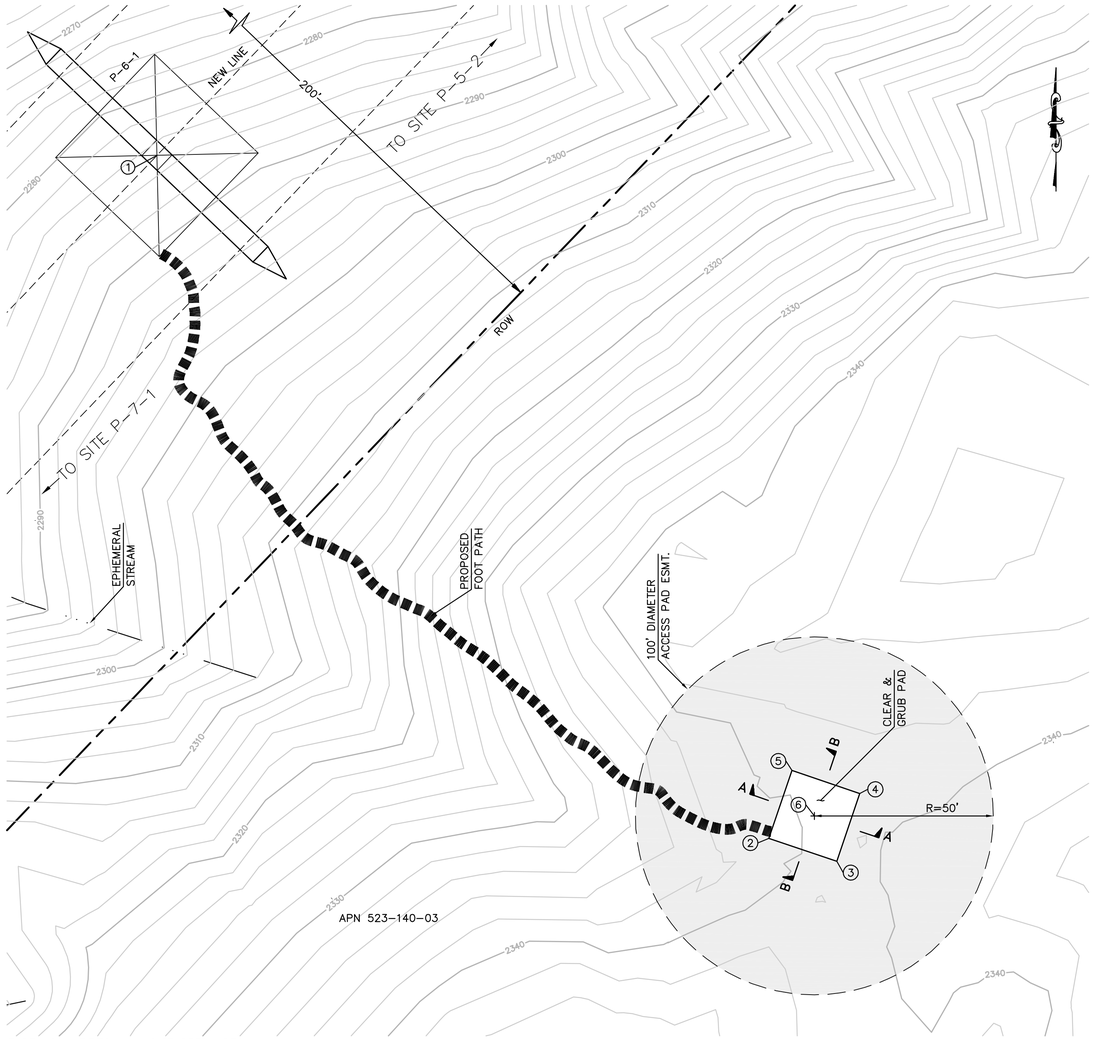


EARTH QUANTITIES:

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

DISTURBED AREA:

PAD:	400 SF
TOTAL:	400 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-6-1
(THIS IS NOT A HELIPORT)

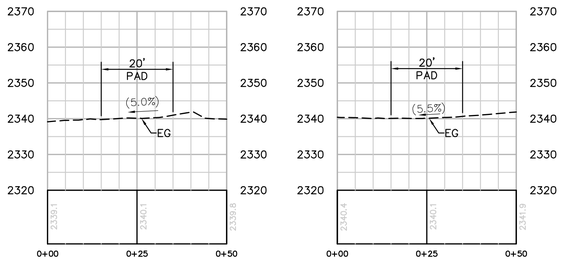
SCALE: 1" = 20'

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.

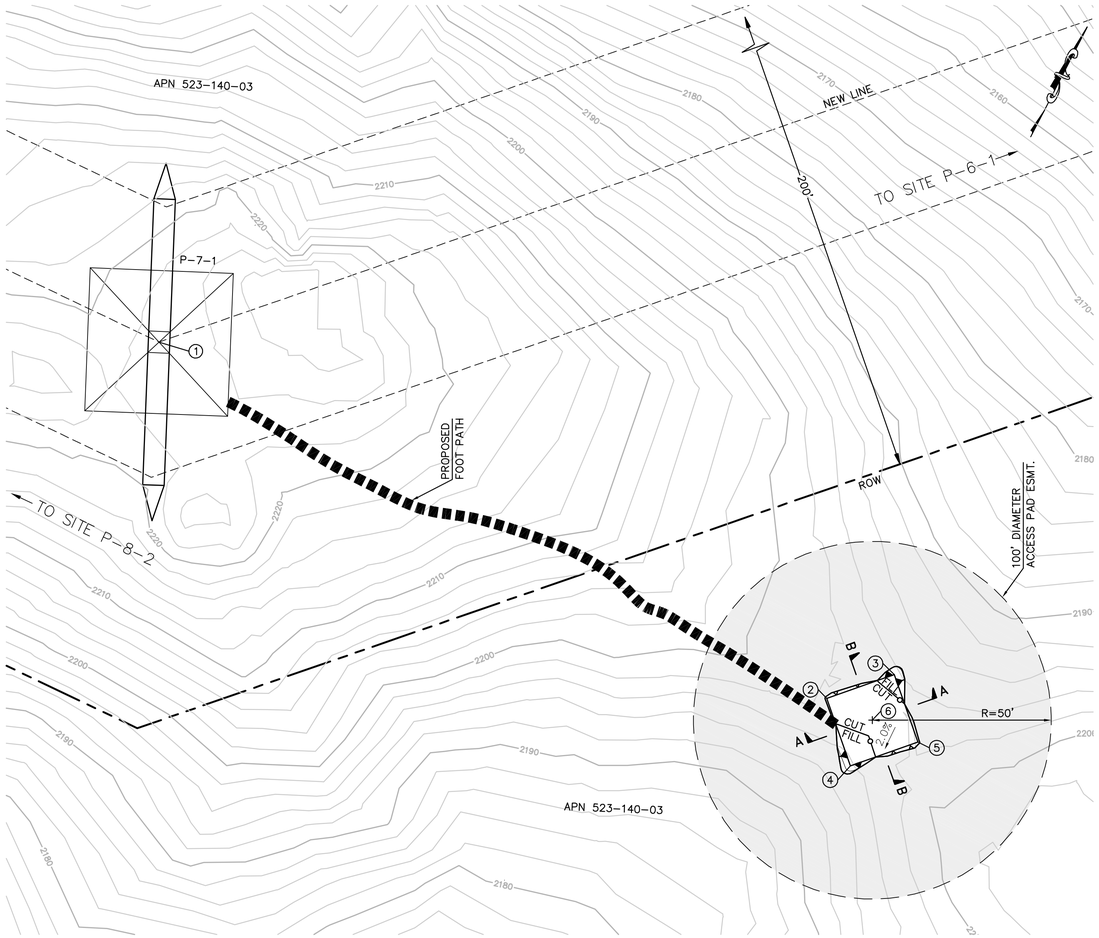
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-6-1	500 KV EXHT Lattice Tangent Tower	0.00	157.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1865181.54	6423577.99	(2285.41)	P-6-1
2	1864990.67	6423749.03	(2339.30)	EG
3	1864984.26	6423767.97	(2340.33)	EG
4	1865003.20	6423774.38	(2340.40)	EG
5	1865009.61	6423755.44	(2340.73)	EG
6	1864996.94	6423761.70		RP



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

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



EARTH QUANTITIES:

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

DISTURBED AREA:

PAD:	485 SF
TOTAL:	485 SF

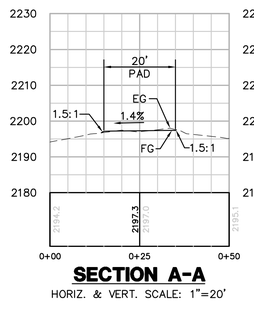
TOWER STAGING/ACCESS PAD FOR TOWER P-7-1
(THIS IS NOT A HELIPORT)

SCALE: 1" = 20'

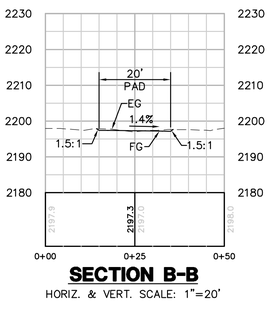
GRAPHIC SCALE
20 0 20 40
1"=20'

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-7-1	500 KV EXHD Dead-End Lattice Tower	44.61	108.75



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



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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1864333.76	6422768.03	(2221.90)	P-7-1
2	1864330.49	6422979.47	2197.28	FG
3	1864345.03	6422993.21	2197.56	FG
4	1864316.76	6422994.00	2197.00	FG
5	1864331.29	6423007.74	2197.28	FG
6	1864330.89	6422993.60		RP

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REGISTERED PROFESSIONAL ENGINEER — STEPHEN K. SMITH — REG. 29108 — Exp.3-31-YR — CIVIL — STATE OF CALIFORNIA

REVISIONS

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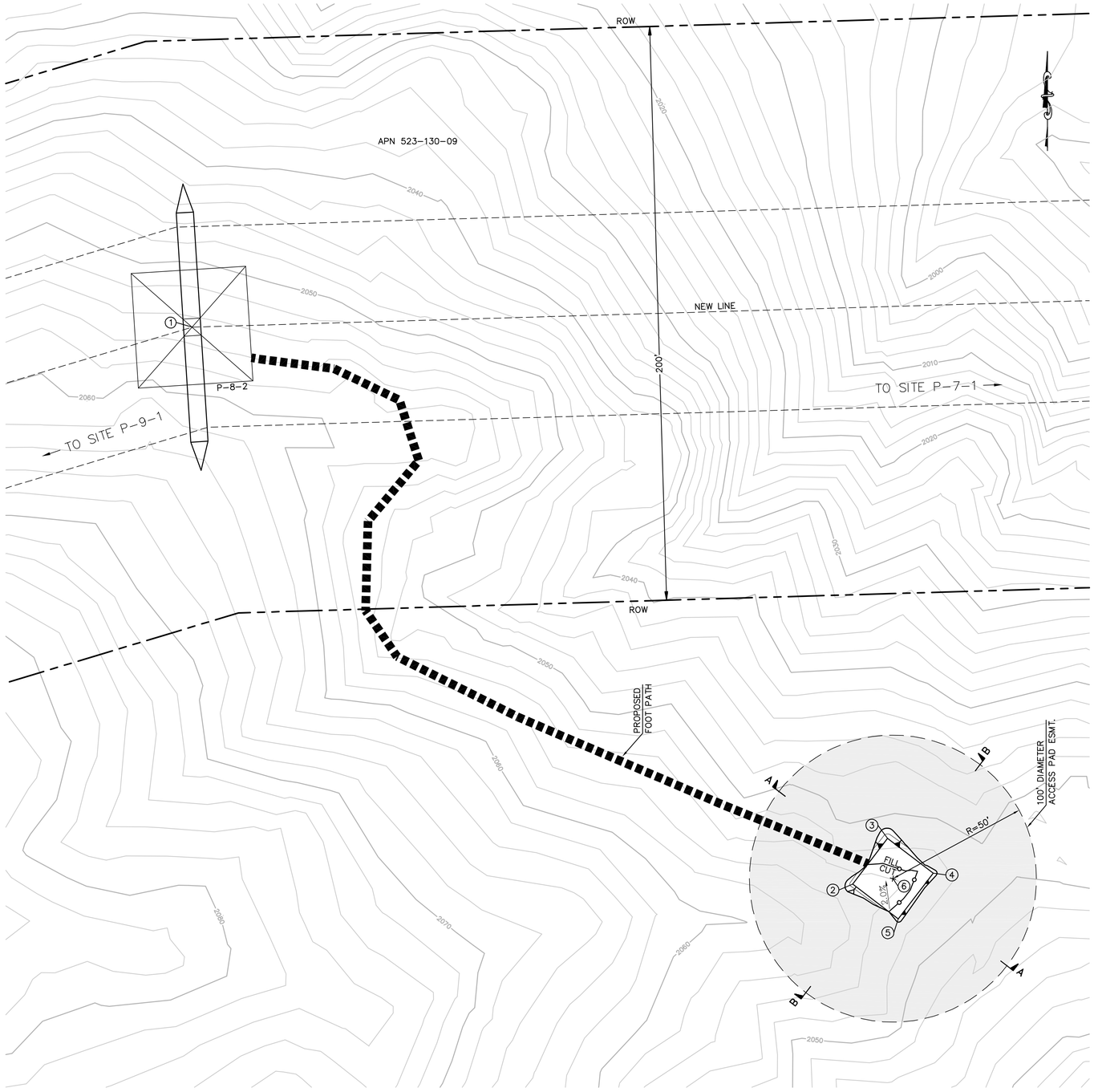
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

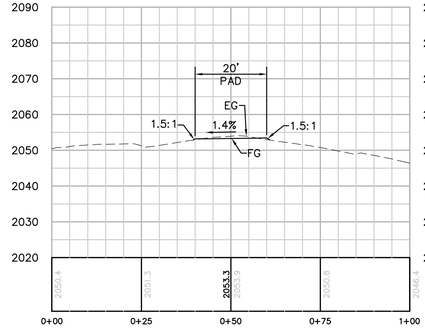
SPL-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-6-1 & P-7-1

DRAWN BY:	00	DATE:		SCALE: 1" = 20'	W.O.
CHECKED BY:		DATE:			REV. 0
APPROVED BY:		DATE:			
CAD NO.:			PLOT SCALE: 1 = 1		08A-P6-1 & P7-1-TSAP

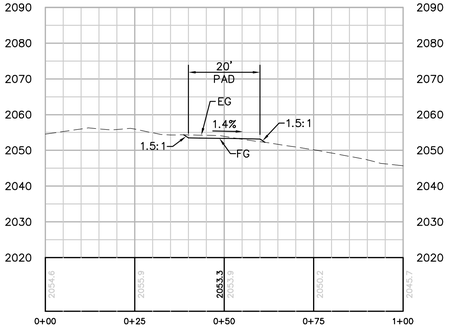


NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1864233.47	6419375.19	(2054.48)	P-8-2
2	1864039.44	6419605.39	2053.33	FG
3	1864055.34	6419617.53	2053.05	FG
4	1864043.20	6419633.42	2053.33	FG
5	1864027.30	6419621.28	2053.61	FG
6	1864041.32	6419619.40		RP

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-8-2	500 KV EXHD Dead-End Lattice Tower	-15.05	156.75



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



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

EARTH QUANTITIES:
CUT : 6 CY
FILL: 5 CY
NET: 1 CY

DISTURBED AREA:
PAD: 527 SF
TOTAL: 527 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-8-2
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

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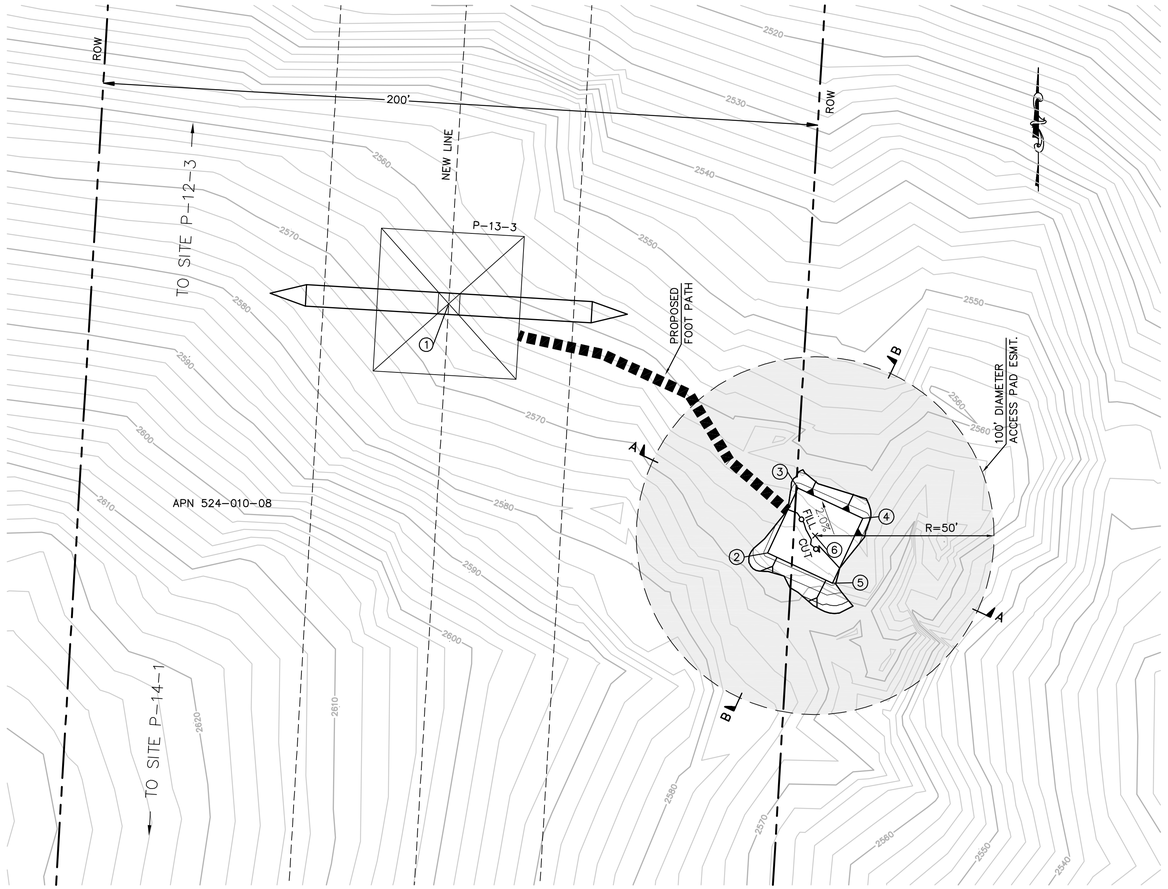
REVISIONS

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-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-8-2

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08A-P8-2-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



EARTH QUANTITIES:
CUT: 15 CY
FILL: 13 CY
NET: 2 CY

DISTURBED AREA:
PAD: 742 SF
TOTAL: 742 SF

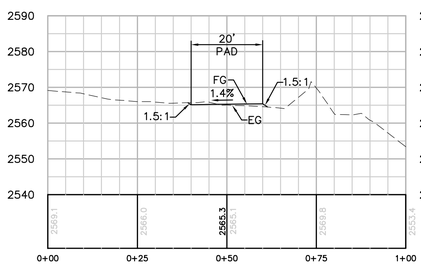
TOWER STAGING/ACCESS PAD FOR TOWER P-13-3
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

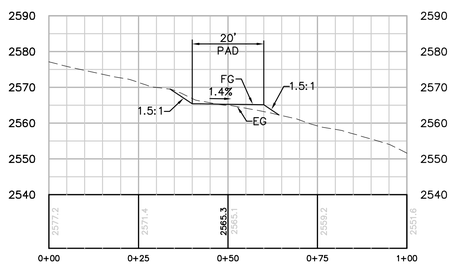
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-13-3	500 KV EXHT Lattice Tangent Tower	0.00	142.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1858398.76	6420581.12	(2560.82)	P-13-3
2	1858329.10	6420670.24	2565.33	FG
3	1858347.24	6420678.67	2565.05	FG
4	1858338.81	6420696.80	2565.33	FG
5	1858320.67	6420688.37	2565.61	FG
6	1858333.95	6420683.52		RP

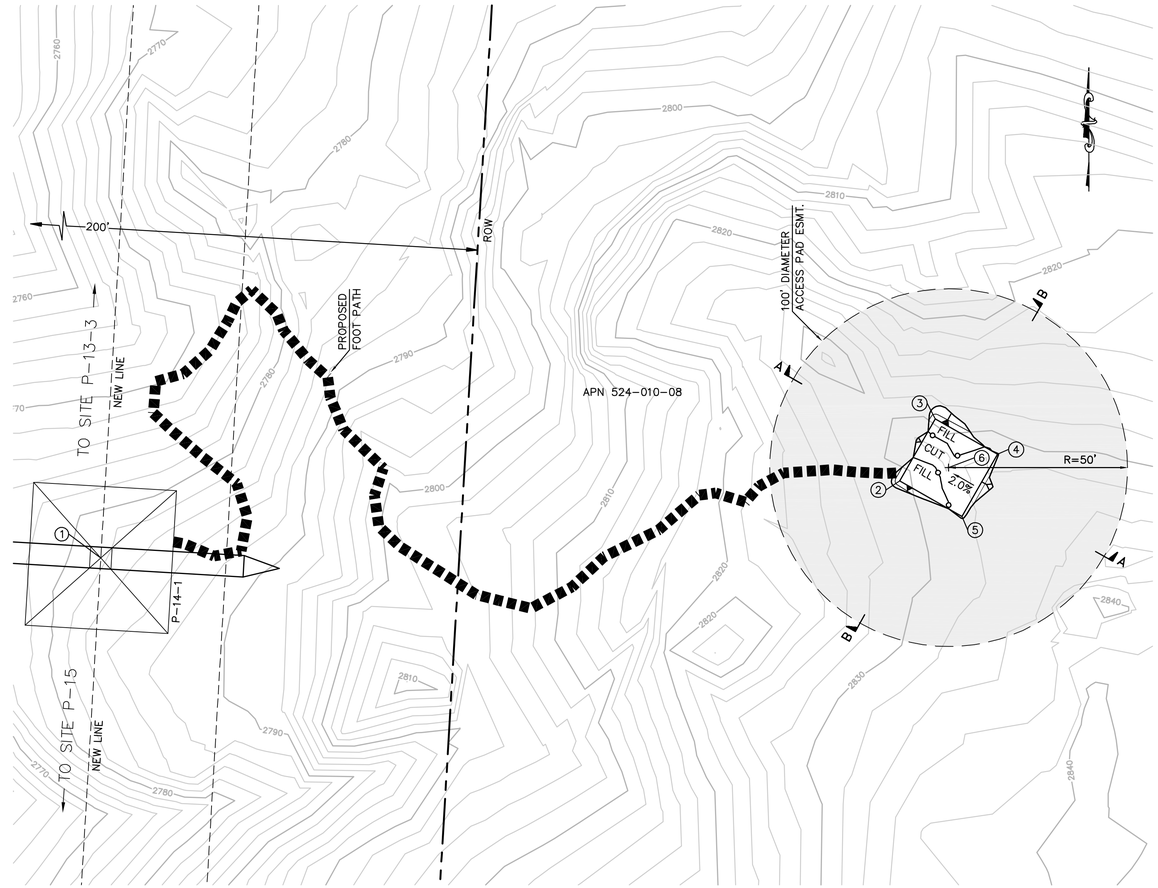
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.



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



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



EARTH QUANTITIES:
CUT: 6 CY
FILL: 5 CY
NET: 1 CY

DISTURBED AREA:
PAD: 518 SF
TOTAL: 518 SF

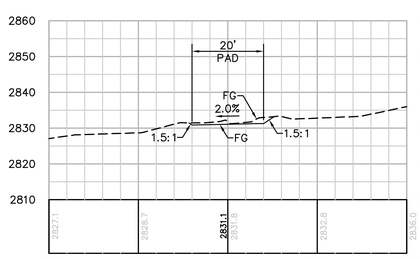
TOWER STAGING/ACCESS PAD FOR TOWER P-14-1
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

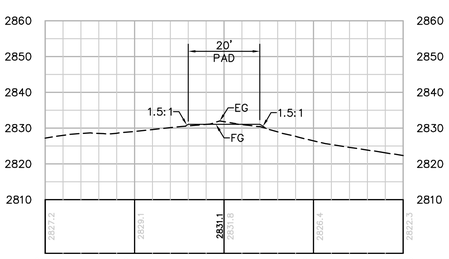
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-14-1	500 KV EXHD Dead-End Lattice Tower	0.00	150.75

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1856568.51	6420473.06	(2781.49)	P-14-1
2	1856590.02	6420696.32	2830.88	FG
3	1856607.40	6420706.23	2830.88	FG
4	1856597.49	6420723.60	2831.28	FG
5	1856580.12	6420713.69	2831.28	FG
6	1856593.76	6420709.96		RP

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'

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RCE 25708
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-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-13-3 & P-14-1

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08A-P13-3 & P14-1-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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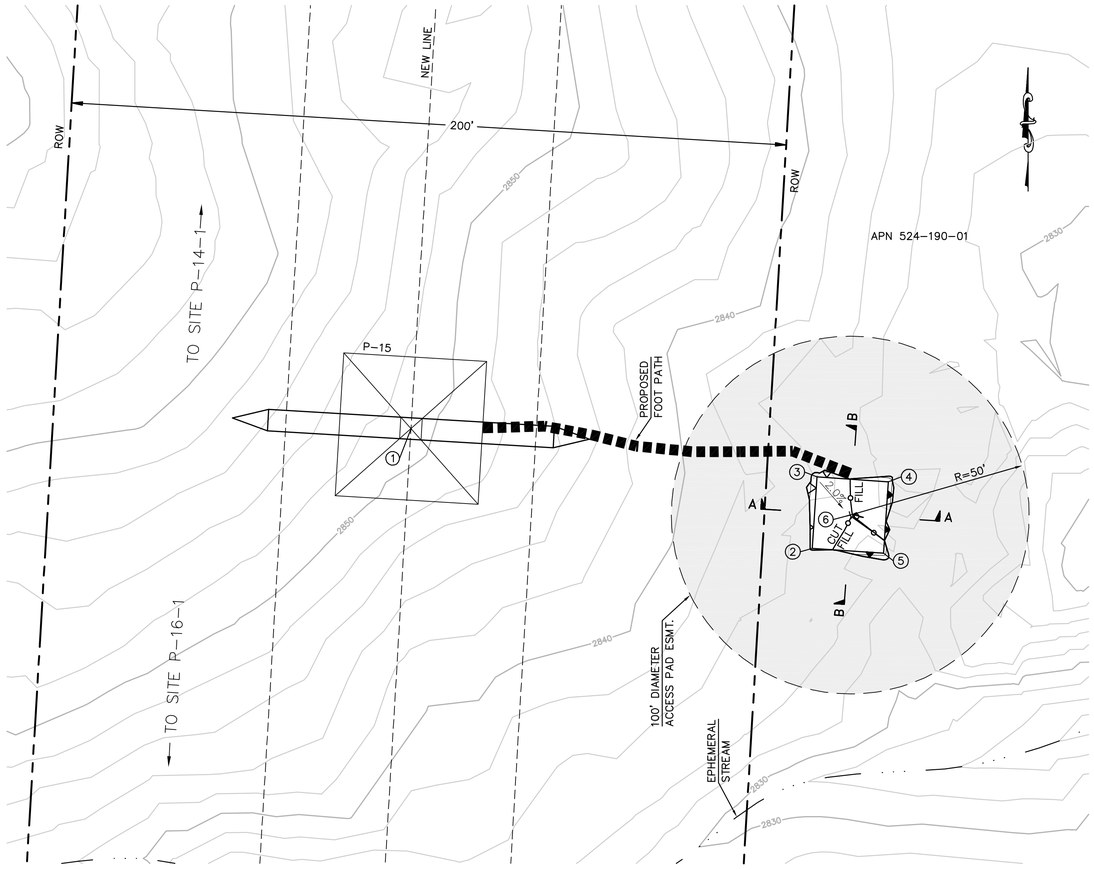


EARTH QUANTITIES:
CUT: 5 CY
FILL: 4 CY
NET: 1 CY

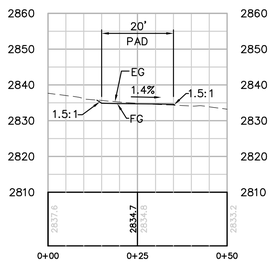
DISTURBED AREA:
PAD: 488 SF
TOTAL: 488 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-15
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

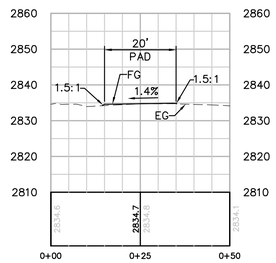
GRAPHIC SCALE
20 0 20 40
1"=20'

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-15	500 KV EXMT Lattice Tangent Tower	0.00	166.50

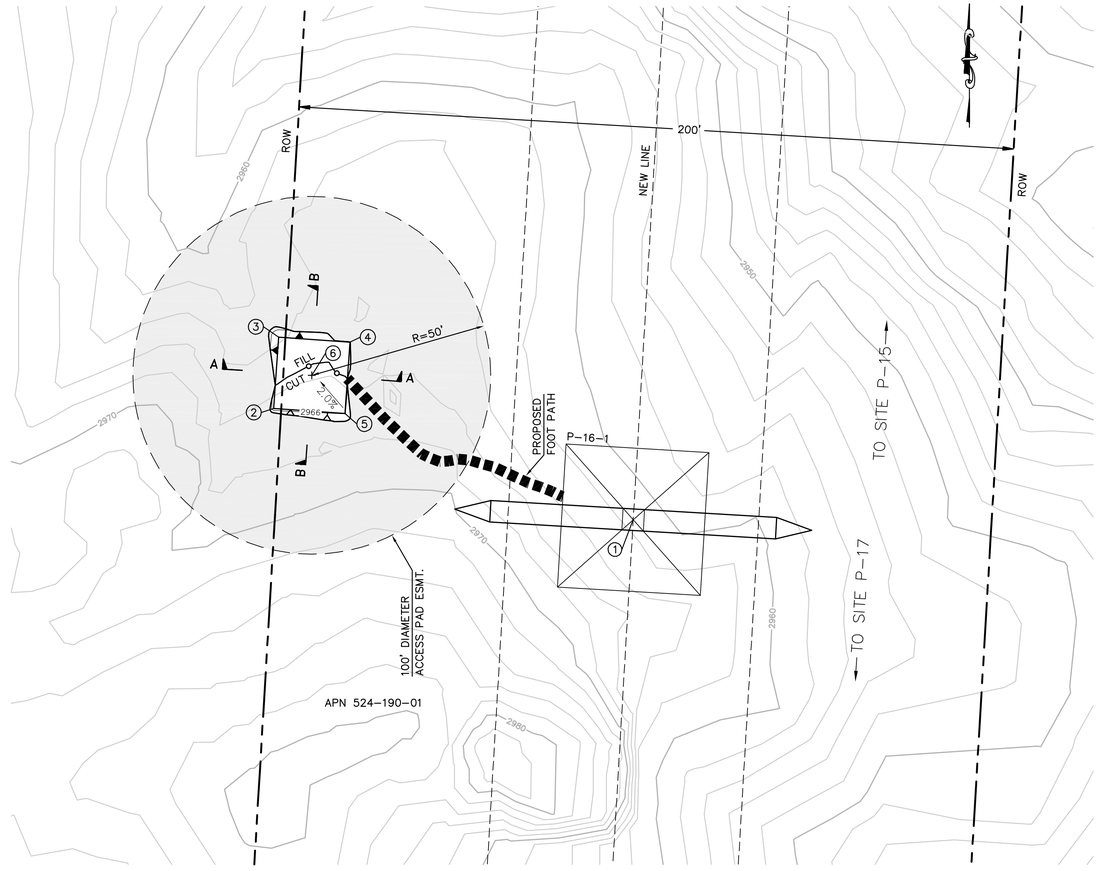


SECTION A-A
HORIZ. & VERT. SCALE: 1"=20'



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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1855207.67	6420392.71	(2849.56)	P-15
2	1855174.20	6420504.83	2834.72	FG
3	1855194.15	6420506.17	2835.00	FG
4	1855192.80	6420526.13	2834.72	FG
5	1855172.85	6420524.78	2834.44	FG
6	1855183.50	6420515.48		RP



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

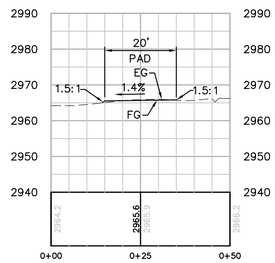
DISTURBED AREA:
PAD: 513 SF
TOTAL: 513 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-16-1
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

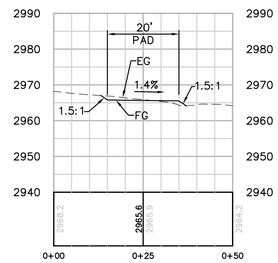
GRAPHIC SCALE
20 0 20 40
1"=20'

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-16-1	500 KV EXMT Lattice Tangent Tower	0.00	169.50



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



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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1853804.14	6420309.84	(2962.12)	P-16-1
2	1853835.24	6420209.36	2965.65	FG
3	1853855.19	6420210.76	2965.37	FG
4	1853853.79	6420230.71	2965.65	FG
5	1853833.84	6420229.31	2965.93	FG
6	1853844.52	6420220.04		RP

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

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-15 & P-16-1

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08A-P15 & P16-1-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:		PLOT SCALE: 1 = 1			

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

DISTURBED AREA:
PAD: 562 SF
TOTAL: 562 SF

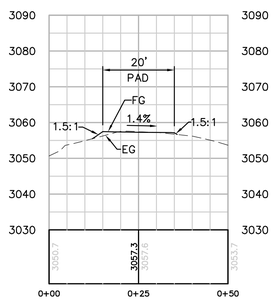
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

TOWER STAGING/ACCESS PAD FOR TOWER P-17
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

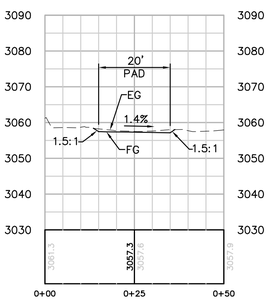
GRAPHIC SCALE
20 0 20 40
1"=20'

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-17	500 KV EXMD Dead-End Lattice Tower	-32.29	150.75

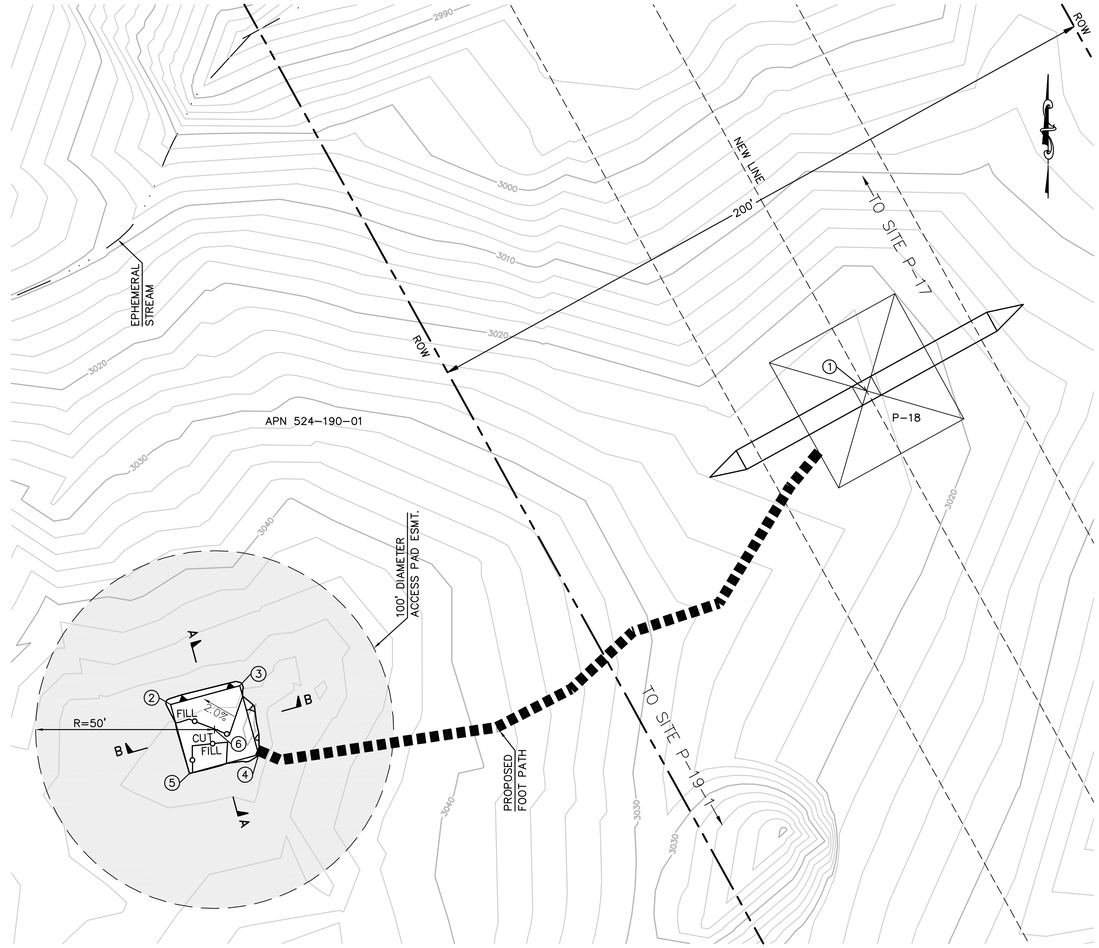
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1852045.49	6420206.00	(3036.84)	P-17
2	1851955.80	6420114.36	3057.61	FG
3	1851972.52	6420125.34	3057.33	FG
4	1851961.55	6420142.06	3057.05	FG
5	1851944.83	6420131.09	3057.33	FG
6	1851958.67	6420128.21		RP



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



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



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

DISTURBED AREA:
PAD: 472 SF
TOTAL: 472 SF

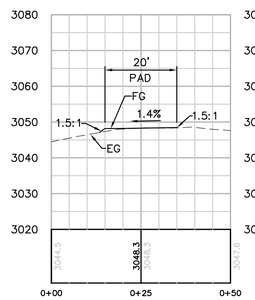
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

TOWER STAGING/ACCESS PAD FOR TOWER P-18
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

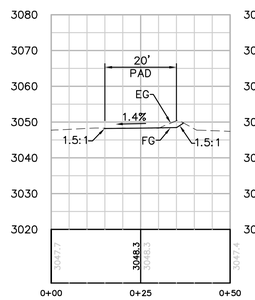
GRAPHIC SCALE
20 0 20 40
1"=20'

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-18	500 KV EXLD Dead-End Lattice Tower	0.00	90.75

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1850983.97	6420792.18	(3022.10)	P-18
2	1850896.30	6420597.70	3048.03	FG
3	1850901.57	6420616.99	3048.31	FG
4	1850882.27	6420622.26	3048.59	FG
5	1850877.00	6420602.97	3048.31	FG
6	1850889.29	6420609.98		RP



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



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

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

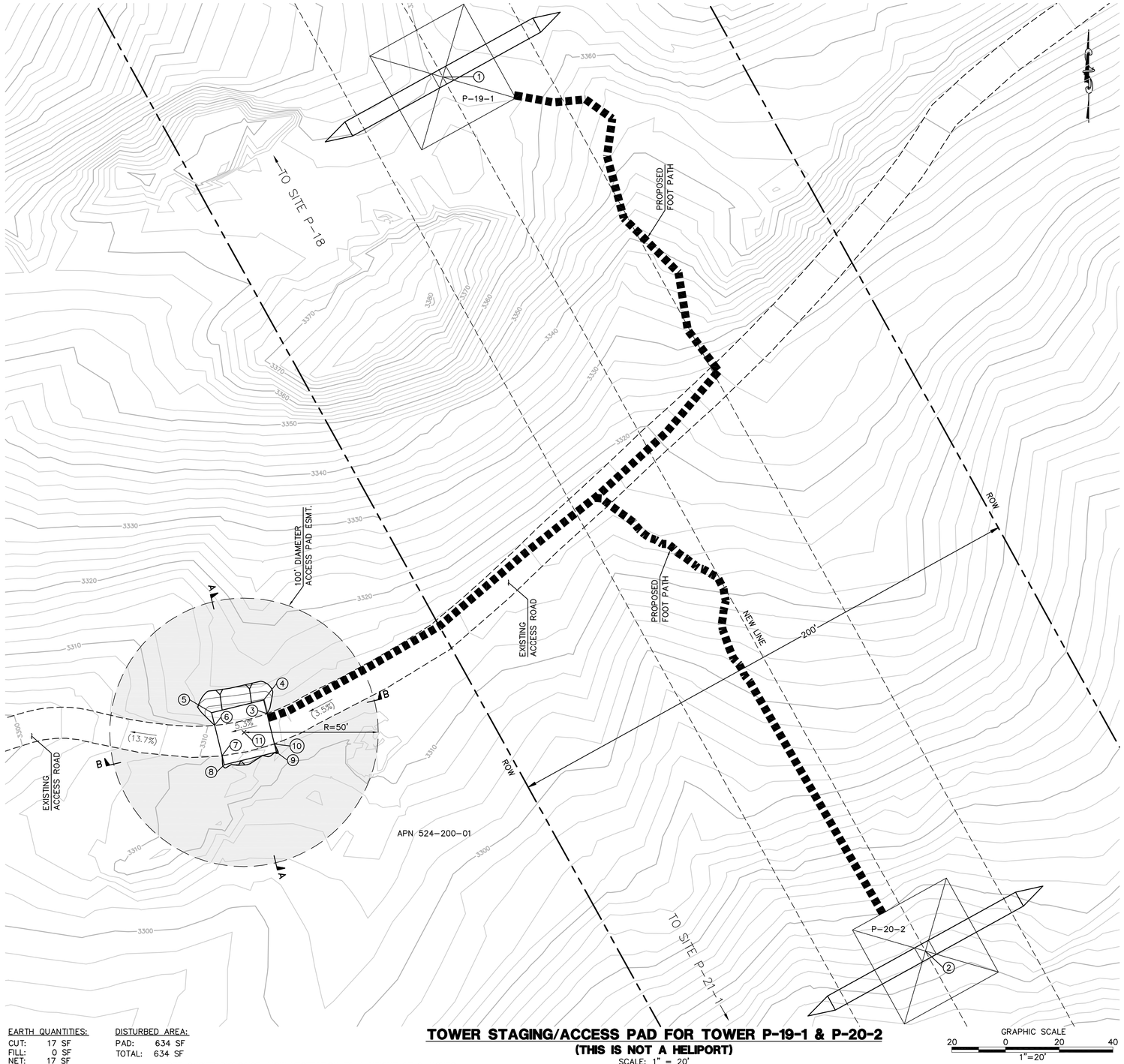
REVISIONS

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

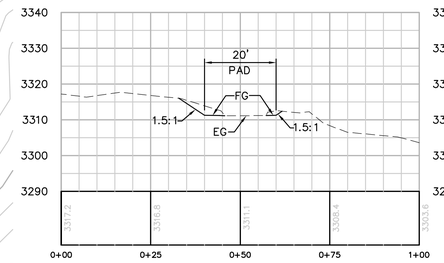
SPL-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-17 & P-18

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.
CHECKED BY:	DATE:		REV. 0
APPROVED BY:	DATE:		08A-P17 & P18-TSAP
CAD NO.:	PLOT SCALE: 1 = 1		

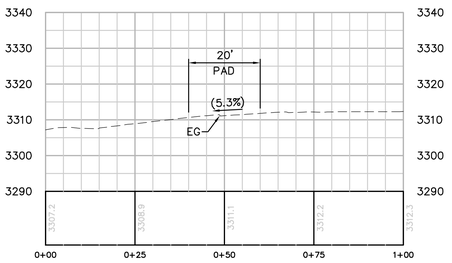


NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1849495.19	6421614.29	(3360.59)	P-19-1
2	1849169.63	6421794.07	(3262.77)	P-20-2
3	1849258.05	6421548.84	(3311.74)	EG
4	1849263.17	6421547.61	3311.85	FG
5	1849258.45	6421528.17	3310.34	FG
6	1849253.72	6421529.32	(3310.25)	EG
7	1849242.38	6421532.08	(3310.59)	EG
8	1849239.01	6421532.90	3310.66	FG
9	1849243.74	6421552.33	3311.76	FG
10	1849246.77	6421551.60	(3311.70)	EG
11	1849251.09	6421540.25		RP

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-19-1	500 KV EXHD Dead-End Lattice Tower	0.00	159.75
P-20-2	500 KV EXHD Dead-End Lattice Tower	0.00	174.75



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



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

EARTH QUANTITIES:
CUT: 17 SF
FILL: 0 SF
NET: 17 SF

DISTURBED AREA:
PAD: 634 SF
TOTAL: 634 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-19-1 & P-20-2
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

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RCE 29708
Exp. 3-31-11
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STATE OF CALIFORNIA

REVISIONS

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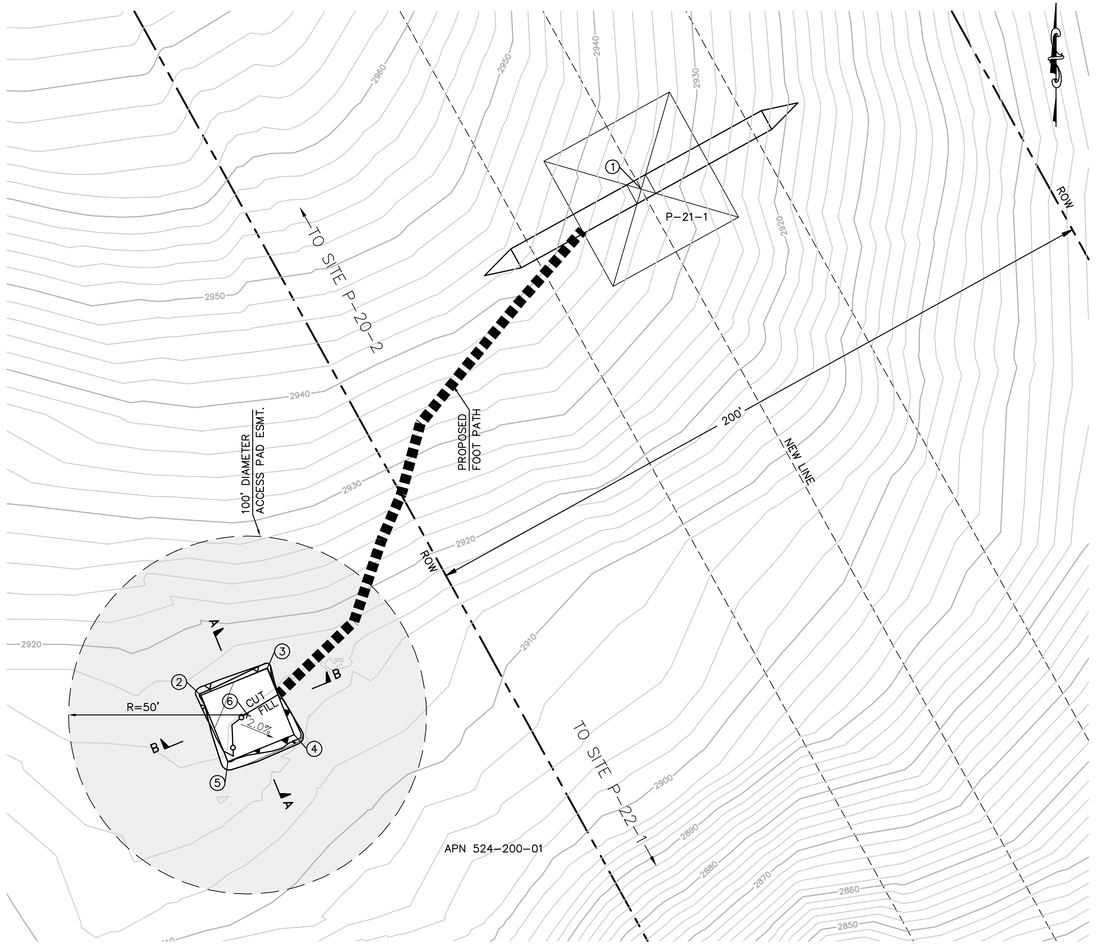
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-19-1 & P-20-2

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08A-P19-1 & P20-2-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



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

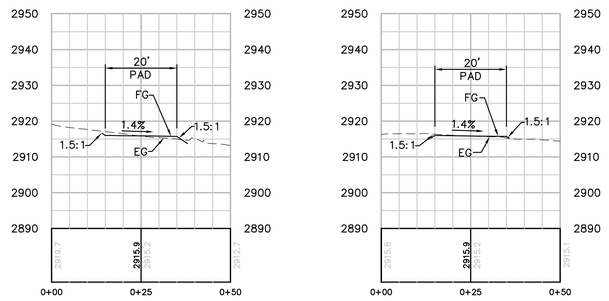
DISTURBED AREA:
PAD: 500 SF
TOTAL: 500 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-21-1
(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.

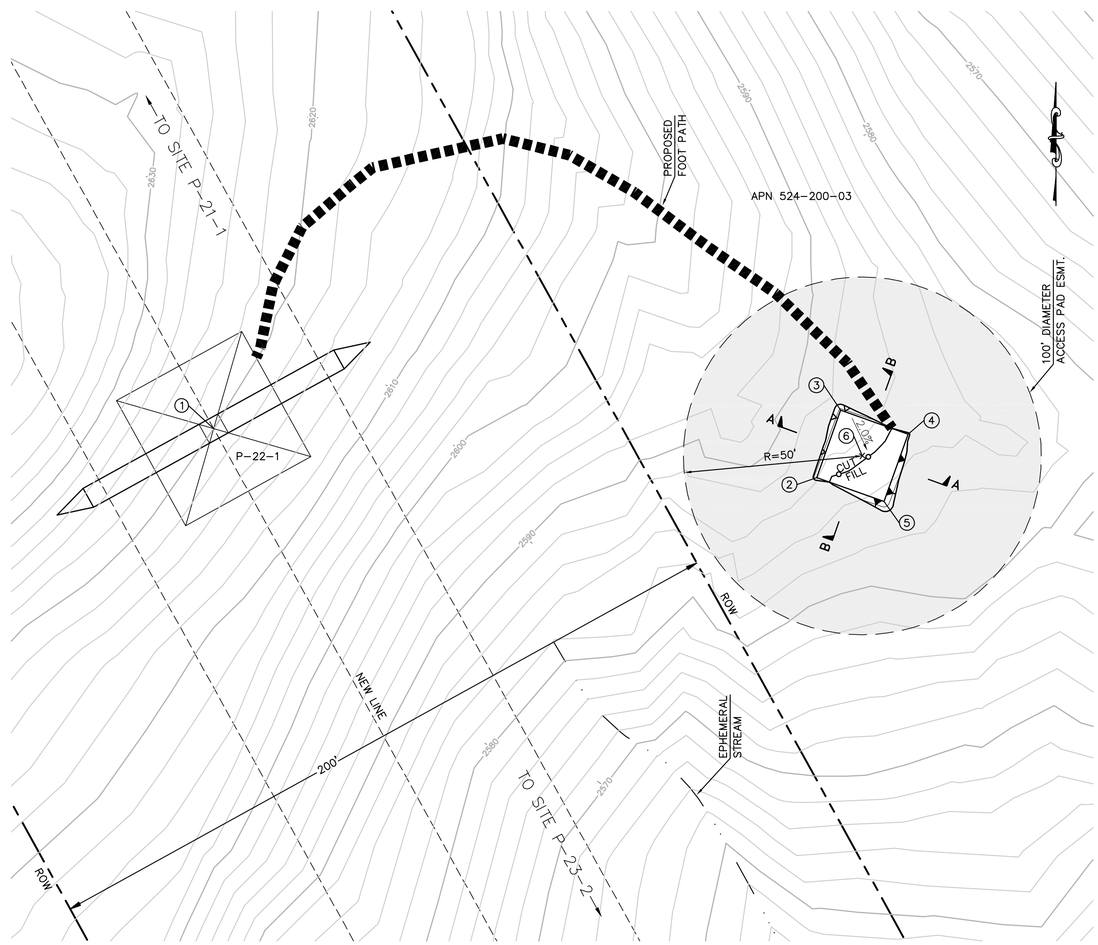
STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-21-1	500 KV EXLD Dead-End Lattice Tower	0.00	177.75



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

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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1848639.05	6422087.06	(2935.49)	P-21-1
2	1848497.56	6421964.00	2916.14	FG
3	1848505.11	6421982.52	2915.86	FG
4	1848486.59	6421990.07	2915.58	FG
5	1848479.04	6421971.55	2915.86	FG
6	1848492.08	6421977.03		RP



EARTH QUANTITIES:
CUT: 6 CY
FILL: 5 CY
NET: 1 CY

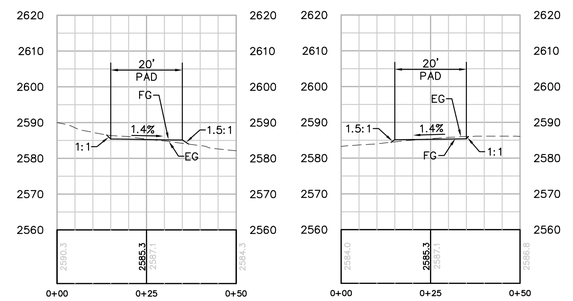
DISTURBED AREA:
PAD: 506 SF
TOTAL: 506 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-22-1
(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-22-1	500 KV EXLD Dead-End Lattice Tower	0.00	114.75



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

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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1847201.49	6422880.89	(2618.85)	P-22-1
2	1847187.80	6423049.37	2585.28	FG
3	1847206.65	6423056.07	2585.56	FG
4	1847199.94	6423074.91	2585.28	FG
5	1847181.10	6423068.21	2585.00	FG
6	1847193.87	6423062.14		RP

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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-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-21-1 & P-22-1

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0
CHECKED BY:	DATE:			
APPROVED BY:	DATE:			
CAD NO.:	PLOT SCALE: 1 = 1			

08A-P21-1 & P22-1-TSAP

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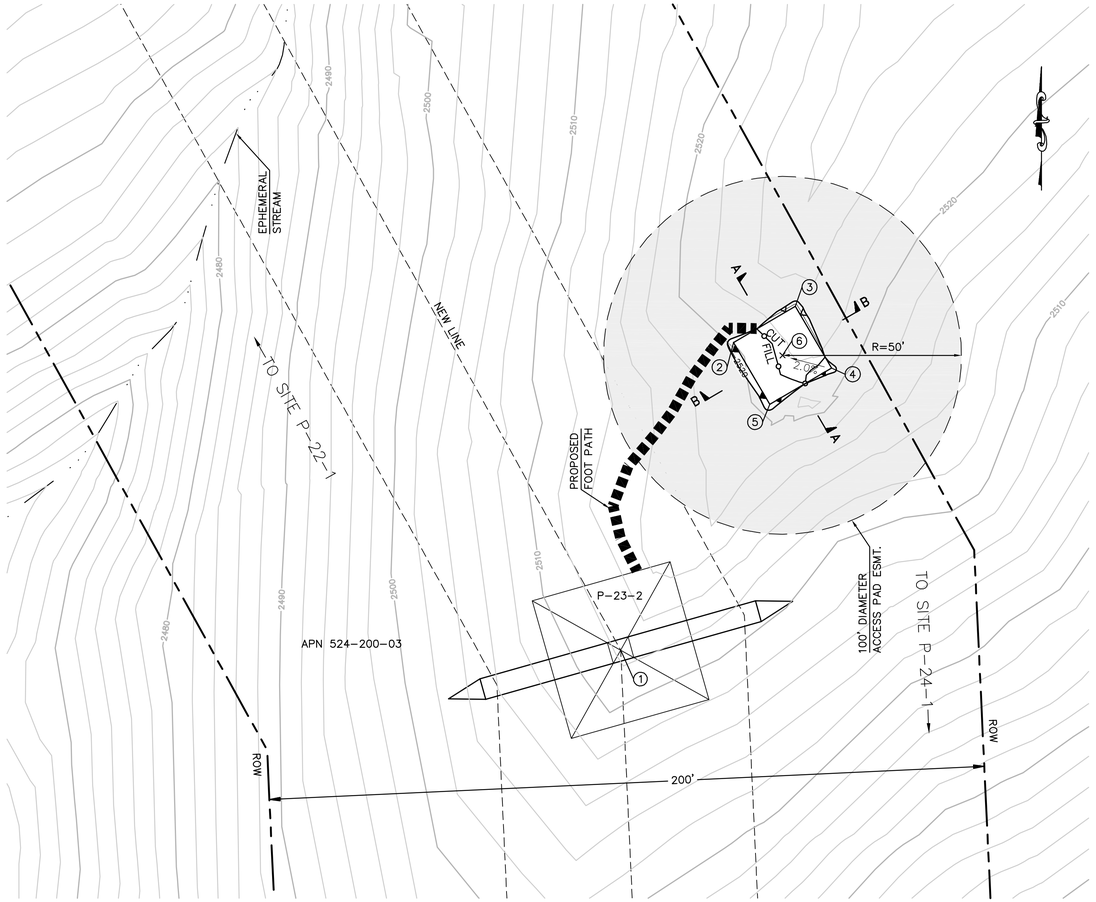


EARTH QUANTITIES:
CUT: 5 CY
FILL: 4 CY
NET: 1 CY

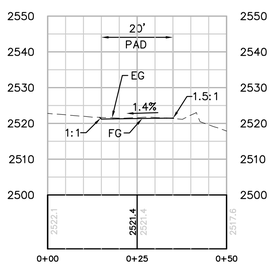
DISTURBED AREA:
PAD: 494 SF
TOTAL: 494 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-23-2
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

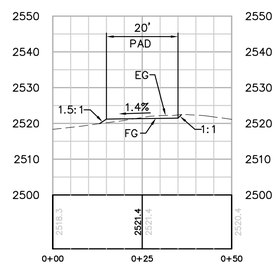
GRAPHIC SCALE
20 0 20 40
1"=20'

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-23-2	500 KV EXLD Dead-End Lattice Tower	26.24	165.75

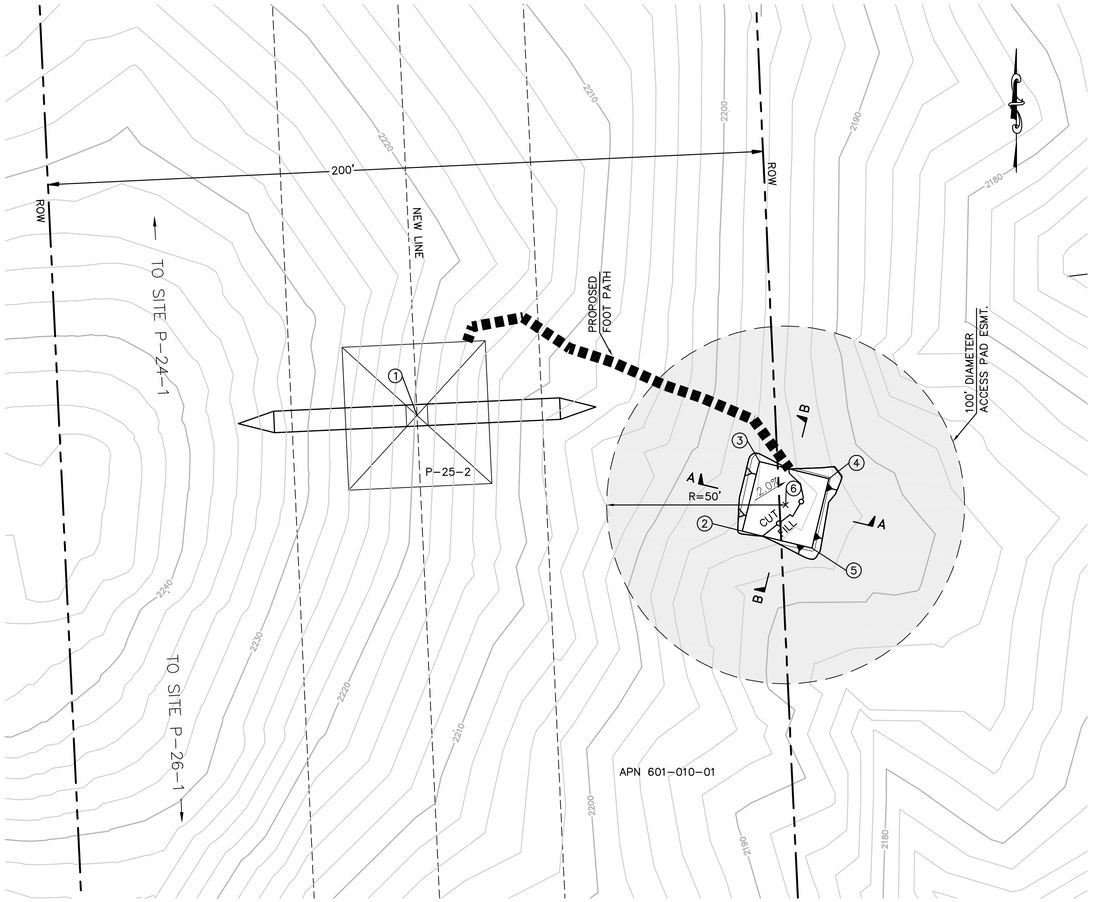


SECTION A-A
HORIZ. & VERT. SCALE: 1"=20'



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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1846464.28	6423288.04	(2512.54)	P-23-2
2	1846550.24	6423319.60	2521.09	FG
3	1846560.34	6423336.86	2521.37	FG
4	1846543.08	6423346.96	2521.65	FG
5	1846532.98	6423329.70	2521.37	FG
6	1846546.66	6423333.28		RP



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

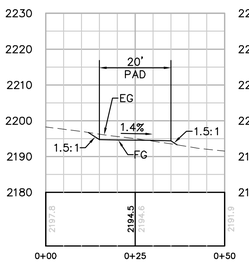
DISTURBED AREA:
PAD: 571 SF
TOTAL: 571 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-25-2
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

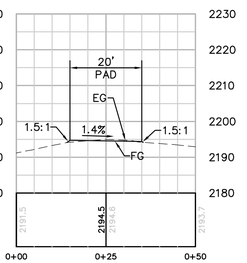
GRAPHIC SCALE
20 0 20 40
1"=20'

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-25-2	500 KV EXMT Lattice Tangent Tower	0.00	145.50



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



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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1843128.71	6423443.69	(2219.62)	P-25-2
2	1843096.36	6423534.59	2194.83	FG
3	1843115.78	6423539.34	2194.55	FG
4	1843111.03	6423558.77	2194.27	FG
5	1843091.60	6423554.01	2194.55	FG
6	1843103.69	6423546.68		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-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-23-2 & P-25-2

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				08A-P23-2 & P25-2-TSAP

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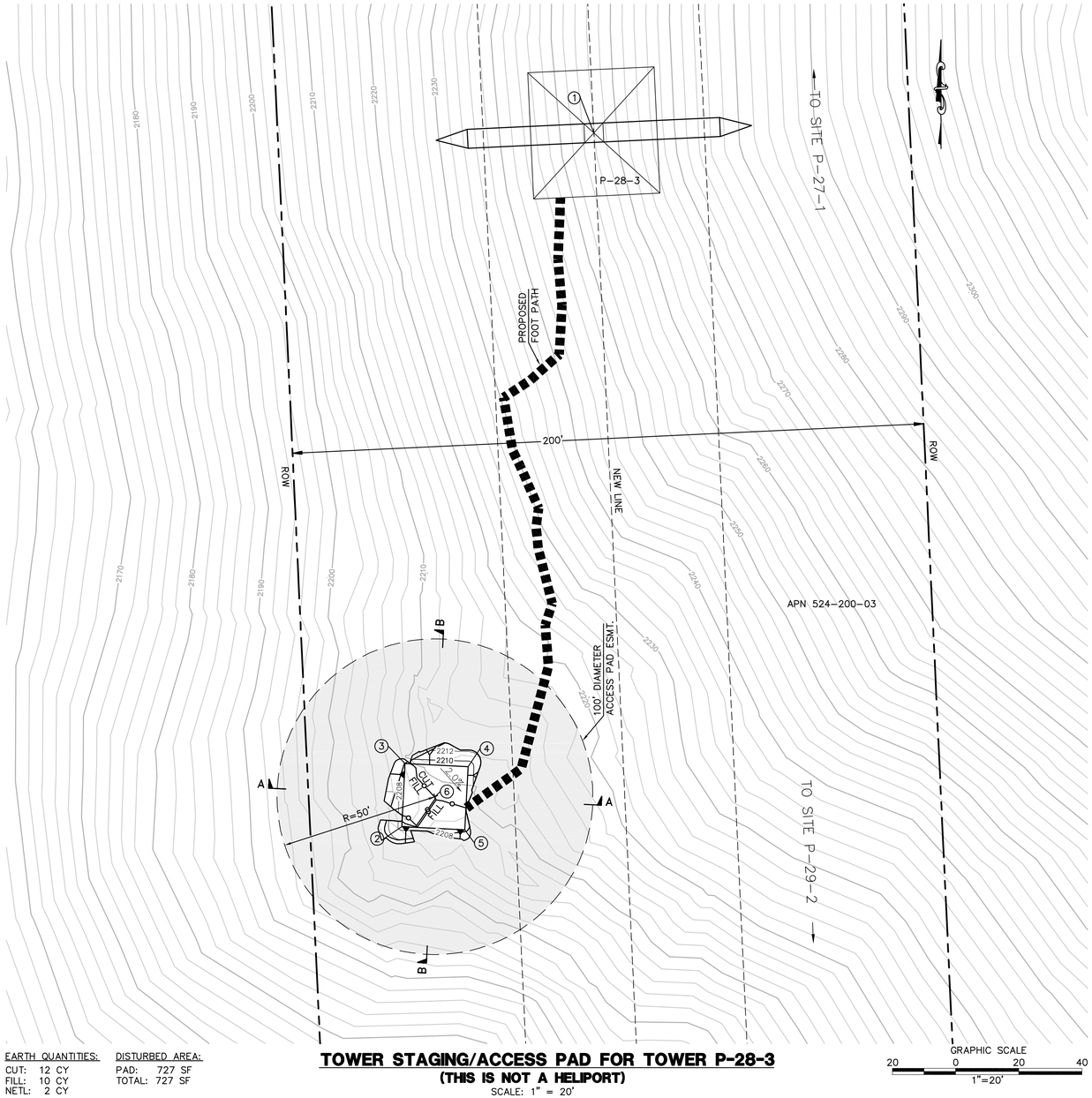


EARTH QUANTITIES:

CUT: 12 CY
FILL: 10 CY
NETL: 2 CY

DISTURBED AREA:

PAD: 727 SF
TOTAL: 727 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-28-3

(THIS IS NOT A HELIPORT)

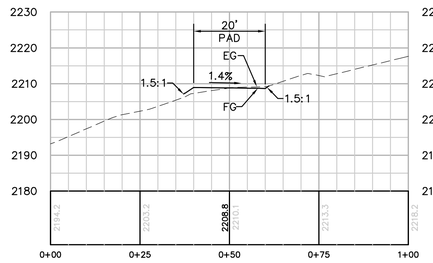
SCALE: 1" = 20'

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.

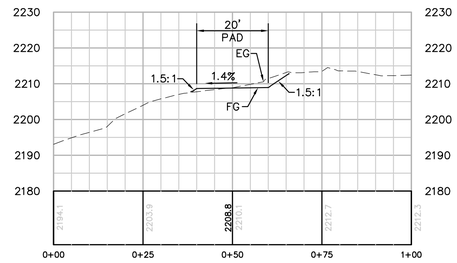
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1838578.37	6423656.02	(2256.41)	P-28-3
2	1838358.67	6423595.22	2208.79	FG
3	1838378.65	6423596.26	2209.07	FG
4	1838377.62	6423616.23	2208.79	FG
5	1838357.64	6423615.20	2208.51	FG
6	1838368.15	6423605.73		RP

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-28-3	500 KV EXHT Lattice Tangent Tower	0.00	121.50



SECTION A-A

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



SECTION B-B

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

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REG. 29708
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STATE OF CALIFORNIA

REVISIONS

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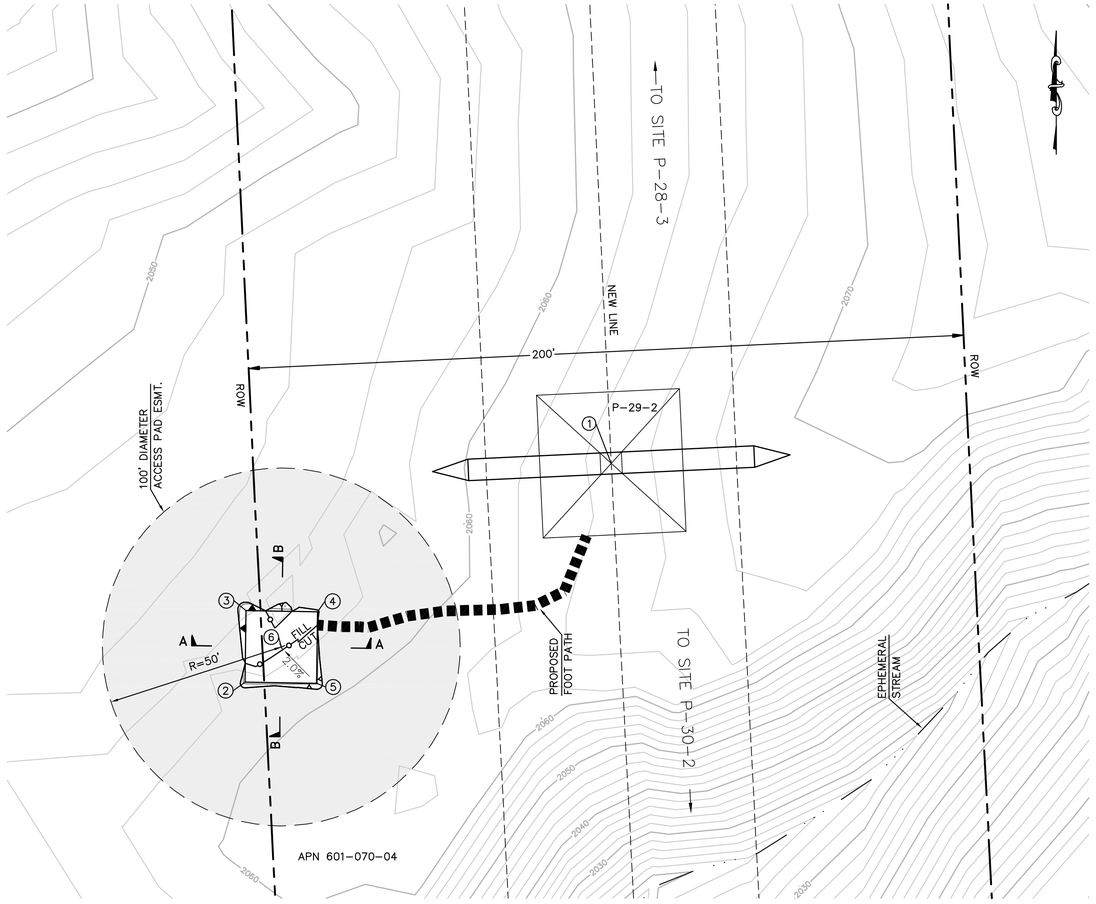
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)

TOWER STAGING/ACCESS PAD FOR SITE P-28-3

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08A-P28-3-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



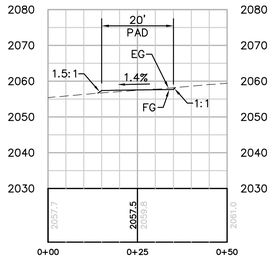
EARTH QUANTITIES:
CUT: 5 CY
FILL: 4 CY
NET: 1 CY

DISTURBED AREA:
PAD: 494 SF
TOTAL: 494 SF

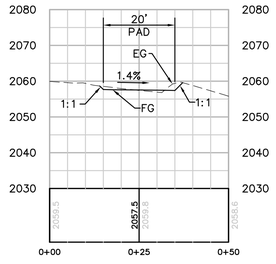
TOWER STAGING/ACCESS PAD FOR TOWER P-29-2
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

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.



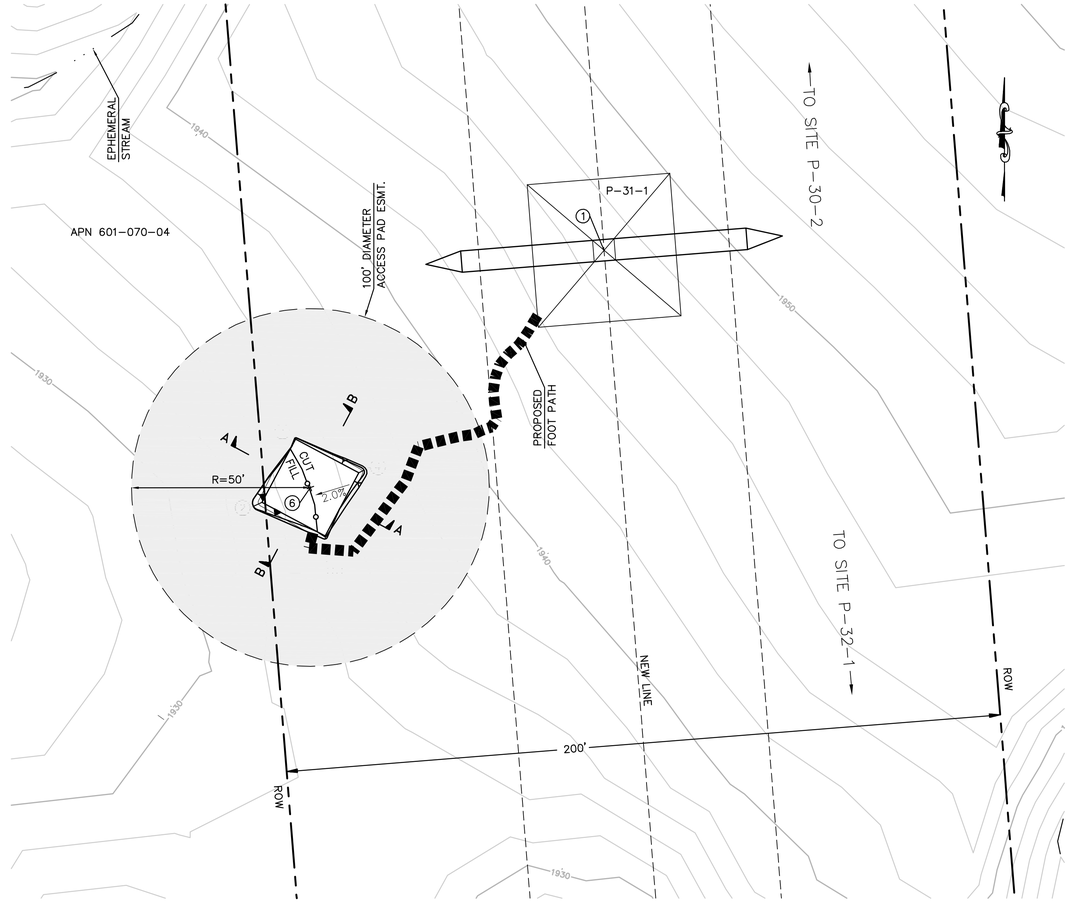
SECTION A-A
HORIZ. & VERT. SCALE: 1"=20'



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

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-29-2	500 KV EXMT Lattice Tangent Tower	-0.27	163.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1837193.08	6423720.66	(2063.01)	P-29-2
2	1837131.91	6423618.29	2057.51	FG
3	1837151.91	6423618.60	2057.23	FG
4	1837151.60	6423638.60	2057.51	FG
5	1837131.60	6423638.28	2057.79	FG
6	1837141.76	6423628.44		RP



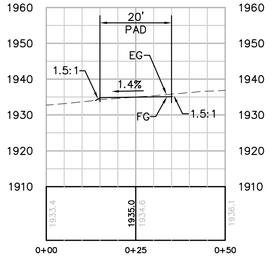
EARTH QUANTITIES:
CUT: 5 CY
FILL: 4 CY
NET: 1 CY

DISTURBED AREA:
PAD: 502 SF
TOTAL: 502 SF

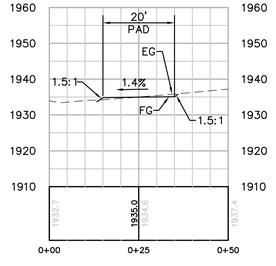
TOWER STAGING/ACCESS PAD FOR TOWER P-31-1
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

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'

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-31-1	500 KV EXHT Lattice Tangent Tower	0.00	166.50

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1834386.30	6423898.32	(1947.01)	P-31-1
2	1834315.86	6423802.71	1934.70	FG
3	1834333.52	6423812.11	1934.98	FG
4	1834324.12	6423829.76	1935.26	FG
5	1834306.46	6423820.36	1934.98	FG
6	1834319.99	6423816.24		RP

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STATE OF CALIFORNIA

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-29-2 & P-31-1

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		08A-P29-2 & P31-1-TSAP
CAD NO.:	PLOT SCALE: 1 = 1		

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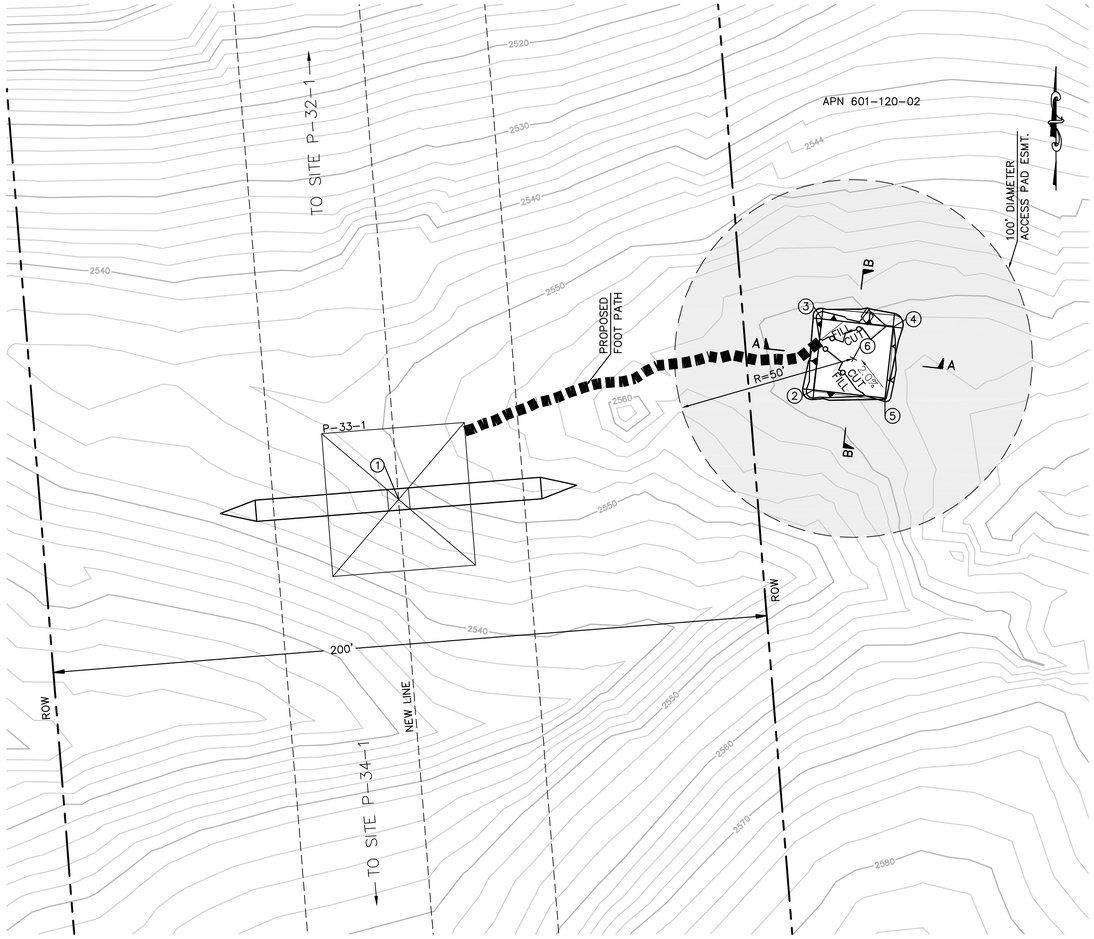


EARTH QUANTITIES:
CUT: 5 CY
FILL: 4 CY
NET: 1 CY

DISTURBED AREA:
PAD: 513 SF
TOTAL: 513 SF

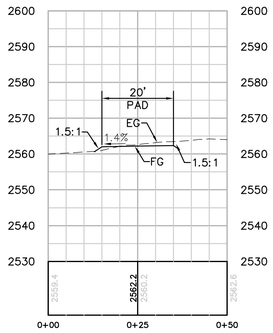
TOWER STAGING/ACCESS PAD FOR TOWER P-33-1
(THIS IS NOT A HELIPORT)

SCALE: 1" = 20'

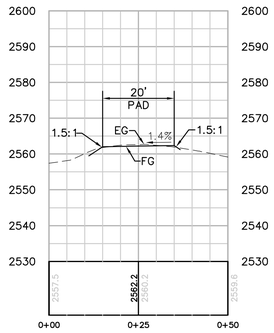
GRAPHIC SCALE
20 0 20 40
1"=20'

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-33-1	500 KV EXHD Dead-End Lattice Tower	0.00	129.75

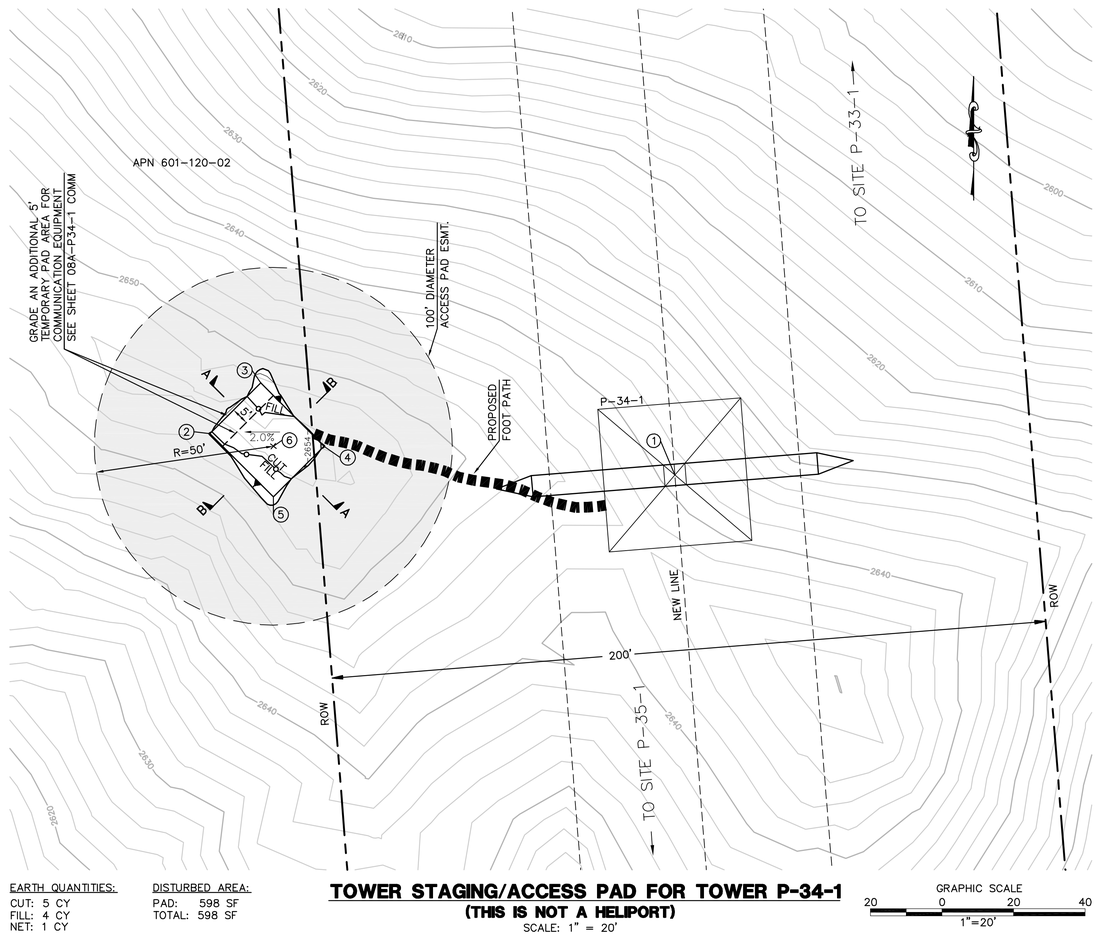


SECTION A-A
HORIZ. & VERT. SCALE: 1"=20'



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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1830830.01	6424181.57	(2547.23)	P-33-1
2	1830860.56	6424297.66	2562.19	FG
3	1830880.44	6424299.88	2561.91	FG
4	1830878.21	6424319.76	2562.19	FG
5	1830858.34	6424317.54	2562.47	FG
6	1830869.39	6424308.71		RP



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

DISTURBED AREA:
PAD: 598 SF
TOTAL: 598 SF

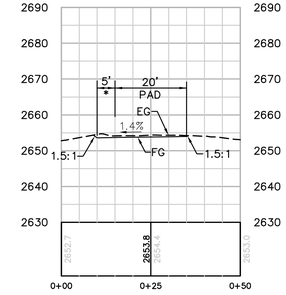
TOWER STAGING/ACCESS PAD FOR TOWER P-34-1
(THIS IS NOT A HELIPORT)

SCALE: 1" = 20'

GRAPHIC SCALE
20 0 20 40
1"=20'

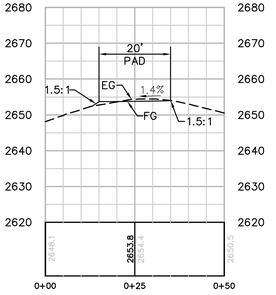
PER ONSITE BIOLOGIST, MOW VEGETATION TO A HEIGHT OF 6 INCHES BUT NOT LESS THAN 4 INCHES AND REMOVE CUTTINGS FROM 100' DIAMETER EASEMENT. REMOVE WEEDS AND SPREAD NATIVE SEED MIX PER DIRECTION OF THE BIOLOGIST.

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-34-1	500 KV EXHT Lattice Tangent Tower	0.00	115.50



* GRADE AN ADDITIONAL 5' TEMPORARY PAD AREA FOR COMMUNICATION EQUIPMENT

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



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

NOTE:
TOWER STAGING / ACCESS PAD AREA WILL NOT BE USABLE DURING TEMPORARY COMMUNICATION EQUIPMENT PAD USE.

PAD TO BE RESTORED TO 20' X 20' ONCE TEMPORARY USE FOR COMMUNICATION EQUIPMENT IS OVER.

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1830077.88	6424241.47	(2641.49)	P-34-1
2	1830089.44	6424111.59	2653.46	FG
3	1830103.58	6424125.73	2653.74	FG
4	1830085.90	6424143.41	2654.09	FG
5	1830071.76	6424129.27	2653.81	FG
6	1830085.90	6424129.27		RP

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

REVISIONS

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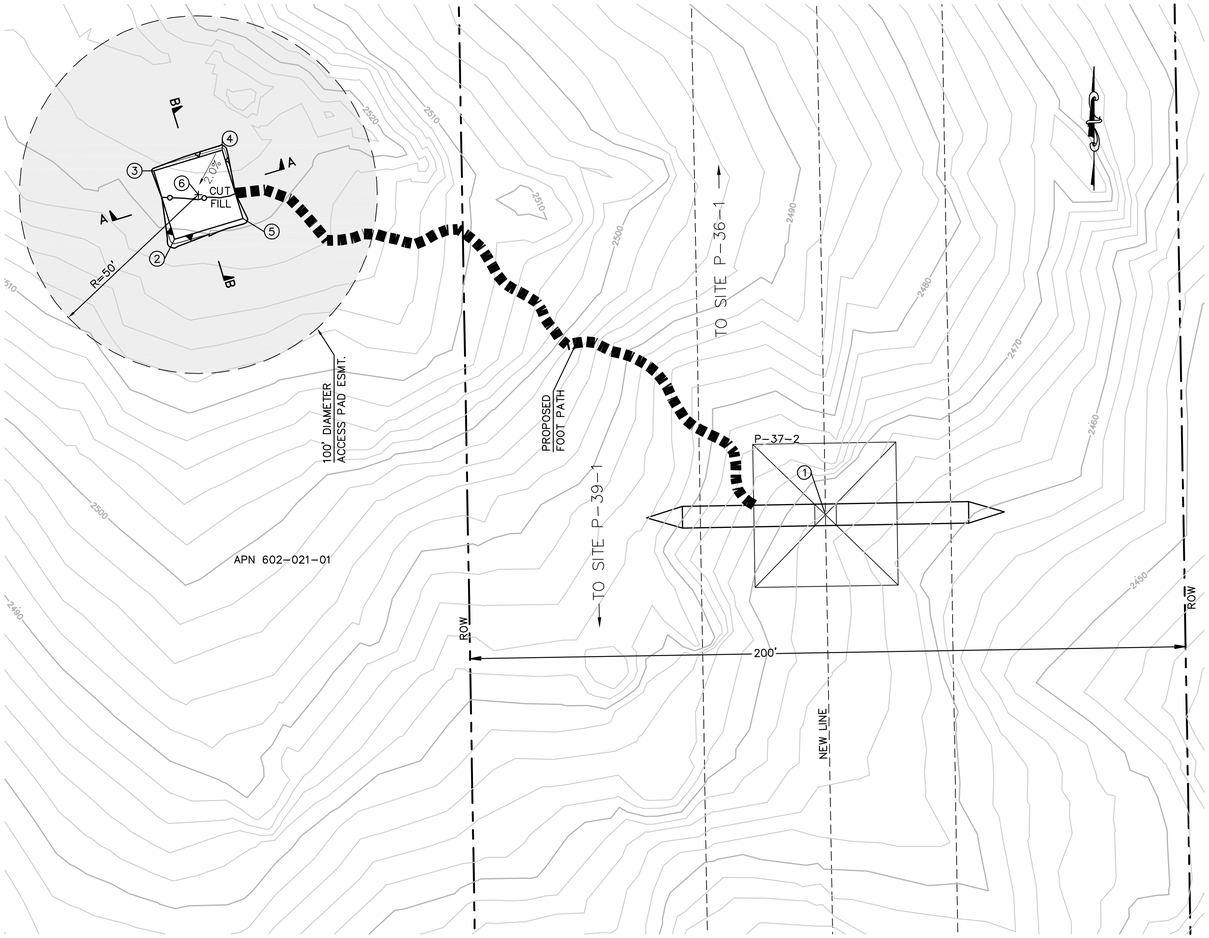
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-33-1 & P-34-1

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08A-P33-1 & P34-1-TSAP
CAD NO.:	PLOT SCALE: 1 = 1				



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

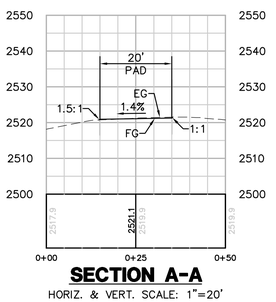
DISTURBED AREA:
PAD: 492 SF
TOTAL: 492 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-37-2
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

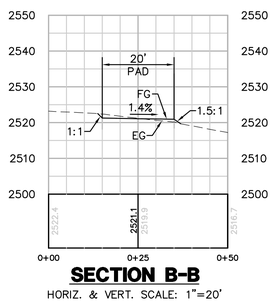
GRAPHIC SCALE
20 0 20 40
1"=20'

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-37-2	500 KV EXHT Lattice Tangent Tower	0.03	166.50

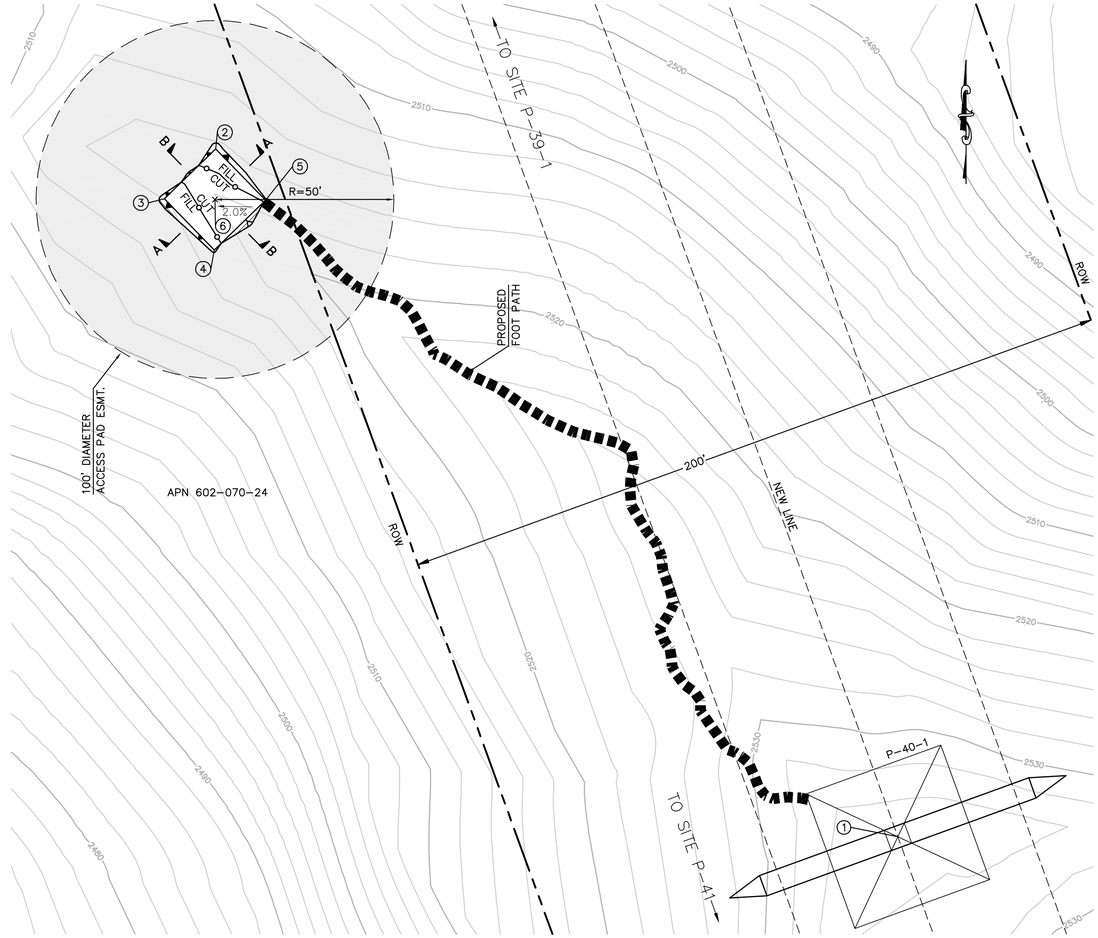


SECTION A-A
HORIZ. & VERT. SCALE: 1"=20'



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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1825767.02	6424502.98	(2467.84)	P-37-2
2	1825844.03	6424321.02	2520.83	FG
3	1825863.17	6424315.22	2521.11	FG
4	1825868.97	6424334.36	2521.39	FG
5	1825849.83	6424340.16	2521.11	FG
6	1825856.50	6424327.69		RP



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

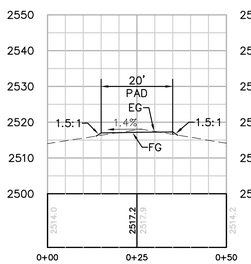
DISTURBED AREA:
PAD: 484 SF
TOTAL: 484 SF

TOWER STAGING/ACCESS PAD FOR TOWER P-40-1
(THIS IS NOT A HELIPORT)
SCALE: 1" = 20'

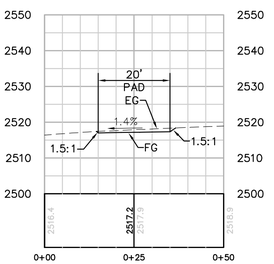
GRAPHIC SCALE
20 0 20 40
1"=20'

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-40-1	500 KV EXMT Lattice Tangent Tower	0.00	91.50



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



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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1822159.31	6425113.47	(2536.50)	P-40-1
2	1822305.10	6424885.34	2517.17	FG
3	1822288.35	6424874.41	2516.89	FG
4	1822277.42	6424891.16	2517.17	FG
5	1822294.17	6424902.09	2517.45	FG
6	1822291.26	6424888.25		RP

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\Helipads\08A-P37-2 & P40-1 TSAP.dwg[May-24-2010@9:23

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REGISTERED PROFESSIONAL ENGINEER
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REG. 25708
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CIVIL
STATE OF CALIFORNIA

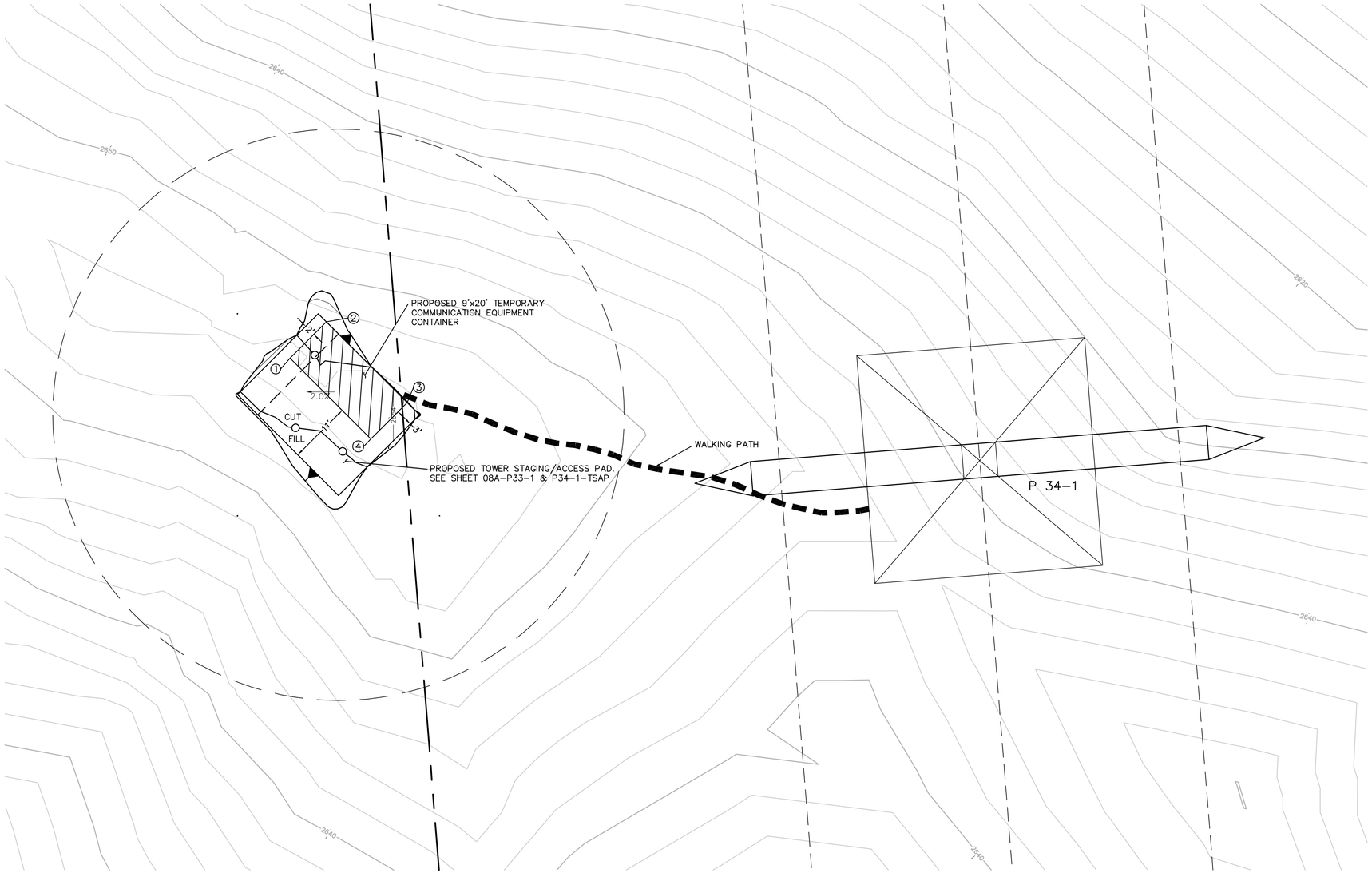
REVISIONS

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-8A (LINK 2)
TOWER STAGING/ACCESS PAD FOR SITE P-37-2 & P-40-1

DRAWN BY: OO	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08A-P37-2 & P40-1-TSAP
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				



TEMPORARY COMMUNICATION TOWER LAYOUT

SCALE: 1" = 10'

GRAPHIC SCALE
10 0 10 20
1"=10'

STRUCTURE NUMBER	STRUCTURE TYPE	STRUCTURE LINE ANGLE	TOWER HEIGHT
P-34-1	500 KV EXHT Lattice Tangent Tower	0.00	115.50

NUMBER	NORTHING	EASTING	DESCRIPTION
1	1830095.80	6424120.78	CORNER
2	1830102.16	6424127.15	CORNER
3	1830088.02	6424141.29	CORNER
4	1830081.66	6424134.92	CORNER

P:\16919 SDG&E SPL\Helipads\Cadd\CDMM\Plan\Section 8A\08A-P34-1 CDMM.dwg CMay-25-2010 16:51

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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-8A (LINK 2)

P34-1 TEMPORARY COMMUNICATION TOWER

DRAWN BY: 00	DATE:	SCALE: 1" = 20'	W.O.	REV. 0	08A-P34-1-COMM
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1864120.35	6418507.46	2109.55	FG
2	1864132.68	6418897.57	2102.51	FG
3	1864091.71	6418936.47	2100.32	FG
4	1864053.65	6418988.15	2097.97	FG
5	1864090.18	6419030.39	2098.39	FG
6	1864091.38	6419073.99	2097.57	FG
7	1864036.57	6419086.96	2095.41	FG
8	1863997.75	6419081.41	2094.17	FG
9	1864027.79	6418902.62	2098.77	FG
10	1864015.86	6418525.16	2105.49	FG
11	1864026.65	6418500.16	2106.55	FG
12	1864089.84	6418509.53	2108.45	FG
13	1864112.05	6418509.64	2109.22	FG
14	1863986.36	6418506.12	2100.21	FG/CL
15	1863988.20	6418497.31	2100.03	FG
16	1863984.52	6418514.93	2100.39	FG
17	1864023.28	6418508.76	2106.20	FG
18	1864019.57	6418516.96	2105.67	FG/CL

01

EARTH QUANTITIES:
CUT: 5551 CY
FILL: 4404 CY
NET: 1147 CY

DISTURBED AREA:
PULLSITE: 68,651 SF
TOTAL: 68,651 SF

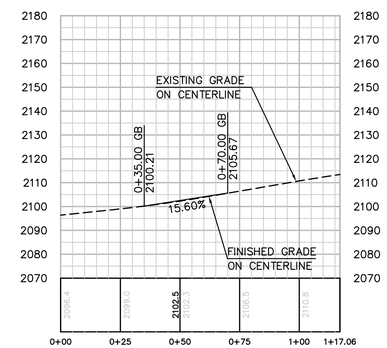
QUANTITIES:
RIP RAP: 50 SF
DOWN DRAIN: 18 LF

LENGTH OF ACCESS ROAD 35 LF

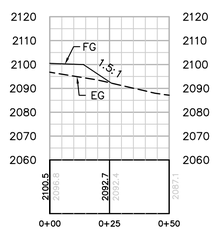
PULL SITE P-9-1 PLAN (TEMPORARY)
SCALE: 1" = 30'

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

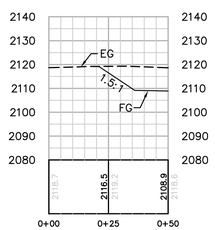
GRAPHIC SCALE
30 0 30 60
1"=30'



PROFILE: ACCESS ROAD TO PULL SITE P-9-1 (TEMPORARY)
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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STEPHEN K. SMITH
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CIVIL
STATE OF CALIFORNIA

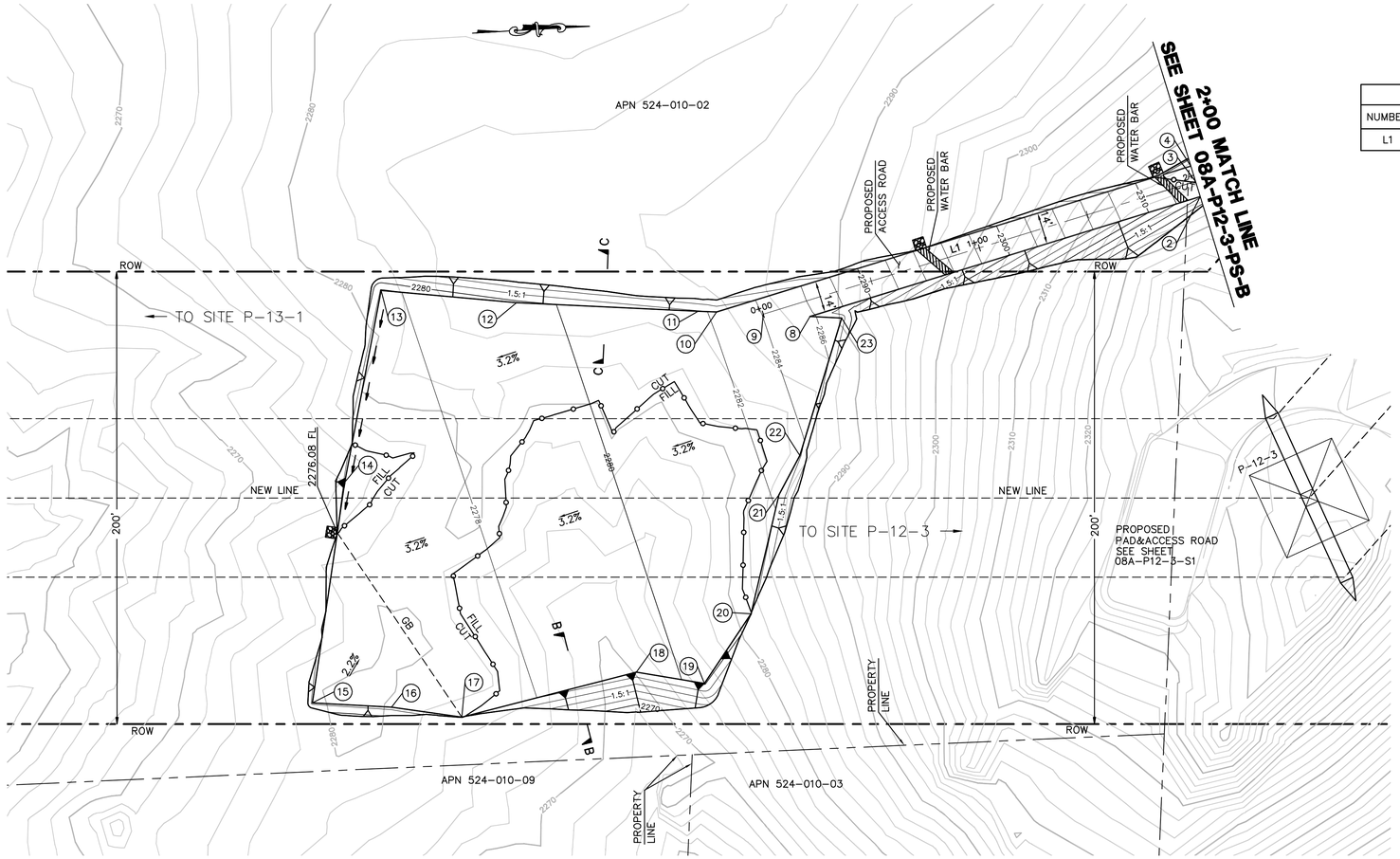
REVISIONS

NO.	WORK DONE	DATE	BY:	APP'D:
01	REVISED PULLSITE, UPDATED QUANTITIES, ADDED PROFILE	8/23/10	MM	MB

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
PULL SITE P-9-1

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. / REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		08A-P09-1-PS
CAD NO.:	PLOT SCALE: 1 = 1		



CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		200.00	N13°41'50"W

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	1861086.23	6420606.31	2313.71	FG
3	1861084.57	6420599.51	2313.85	CL/FG
4	1861082.91	6420592.71	2313.99	FG
8	1860910.83	6420649.06	2285.77	FG
9	1860890.26	6420646.87	2284.05	CL/FG
10	1860869.69	6420644.68	2282.33	FG
11	1860861.54	6420643.81	2281.86	FG
12	1860781.64	6420635.30	2279.48	FG
13	1860722.15	6420626.38	2277.73	FG
14	1860701.12	6420710.13	2276.40	FG
15	1860681.10	6420806.67	2277.60	FG
16	1860715.87	6420810.61	2277.25	FG
17	1860746.70	6420816.86	2276.92	FG
18	1860824.92	6420801.51	2279.43	FG
19	1860854.66	6420808.30	2280.29	FG
20	1860877.00	6420778.81	2281.21	FG
21	1860892.50	6420726.87	2282.11	FG
22	1860902.71	6420710.14	2283.63	FG
23	1860924.76	6420650.55	2287.04	FG

PULL SITE P-12-3 (SOUTH) PLAN (TEMPORARY)

SCALE: 1" = 30'

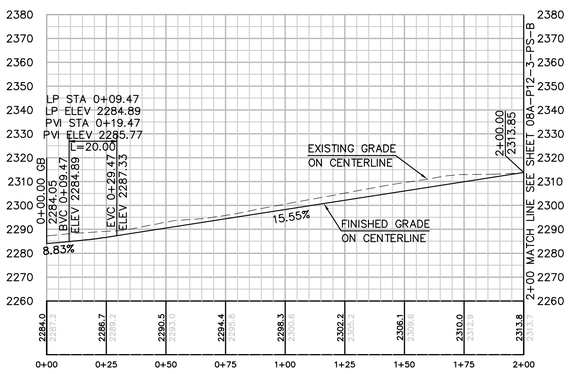
GRAPHIC SCALE
30 0 30 60
1"=30'

EARTH QUANTITIES:
CUT: 2177 CY
FILL: 1982 CY
NET: 195 CY

DISTURBED AREA:
PULLSITE: 37227 SF
ROAD: 4802 SF
TOTAL: 42029 SF

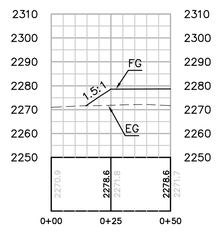
QUANTITIES:
RIP RAP: 75 SF
LENGTH OF ACCESS ROAD: 200 LF

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



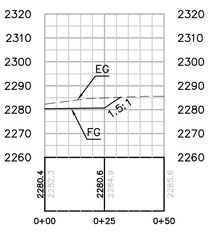
PROFILE: ACCESS ROAD TO PULL SITE P-12-3

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



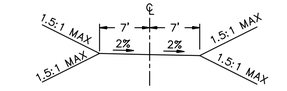
SECTION B-B

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



SECTION C-C

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



TYPICAL ACCESS ROAD CROSS SECTION

STA 0+00 TO 2+00

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\PULLSITES\08A-P12-PS-A.dwg[May-24-20100923

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REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH REG. NO. 29706 Exp.3-31-11 CIVIL STATE OF CALIFORNIA

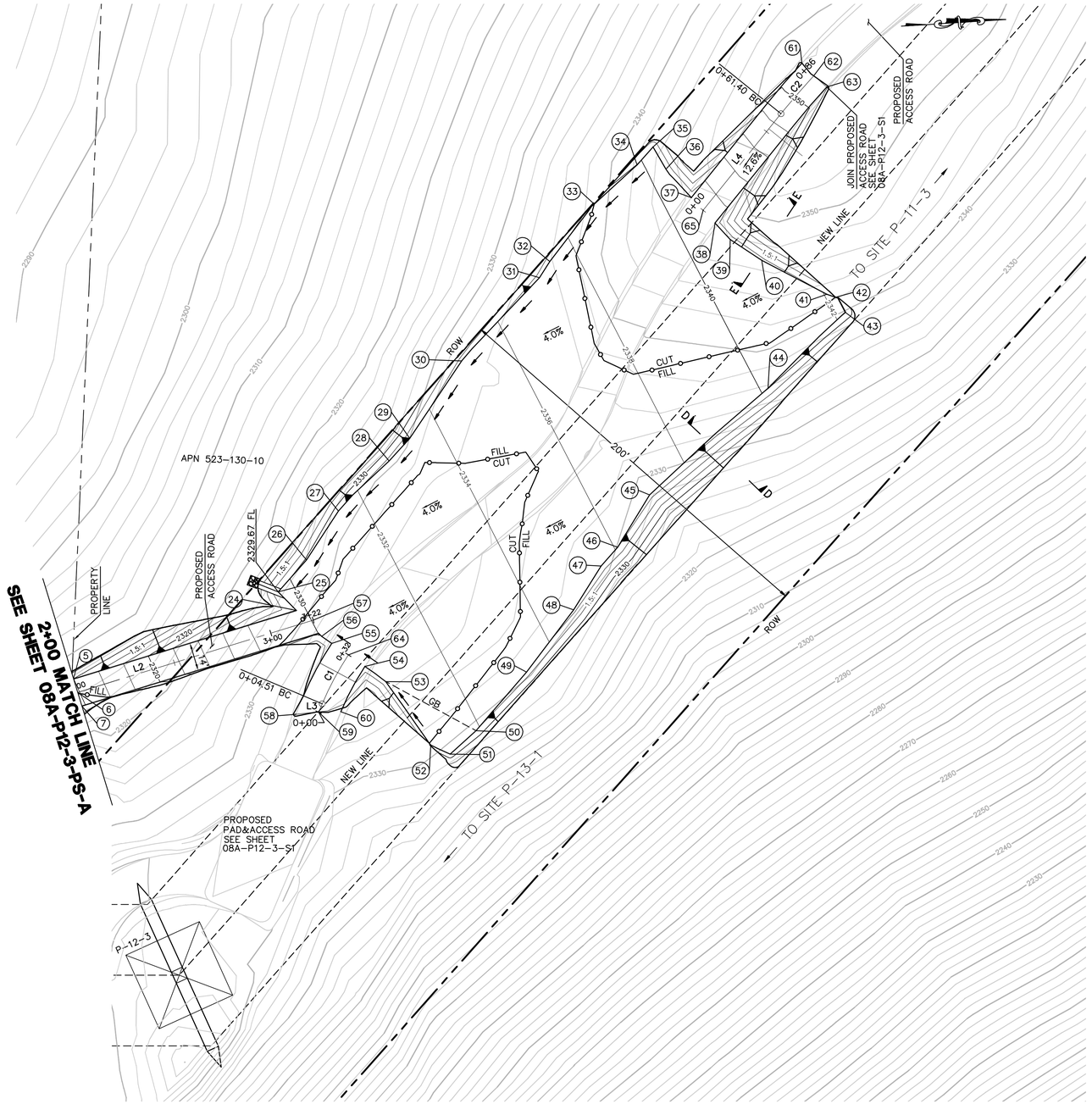
REVISIONS

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-8A (LINK 2)
PULL SITE P-12-3 (SOUTH)

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O. REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08A-P12-3-PS-A



PULL SITE P-12-3 (NORTH) PLAN (TEMPORARY)

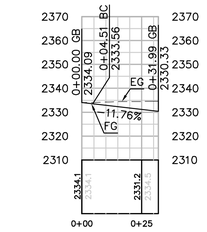
SCALE: 1" = 30'

EARTH QUANTITIES:
CUT: 2088 CY
FILL: 1864 CY
NET: 224 CY

DISTURBED AREA:
PAD: 40248 SF
ROAD: 5475 SF
TOTAL: 45723 SF

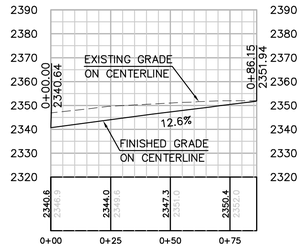
QUANTITIES:
RIP RAP: 25 SF
DOWN DRAIN: 11 LF
LENGTH OF ACCESS ROAD: 242 LF

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



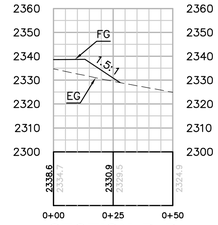
PROFILE: ACCESS ROAD TO PULL SITE 08A-P12-3

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



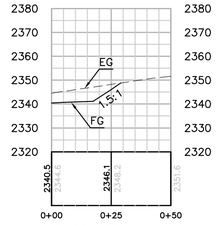
PROFILE: ACCESS ROAD TO 08A-P11-3

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



SECTION D-D

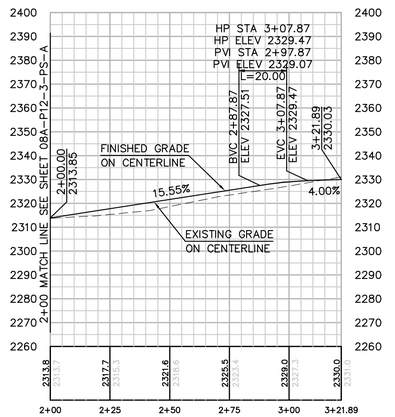
HORIZ. & VERT. SCALE: 1" = 30'



SECTION E-E

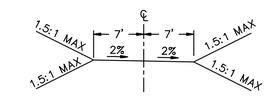
HORIZ. & VERT. SCALE: 1" = 30'

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L2		121.89	N13°41'50"W
C2	400.00	24.76	3°32'45"
L4		61.40	N47°44'43"W
C1	150.00	27.48	10°29'49"

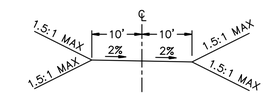


PROFILE: ACCESS ROAD TO PULL SITE P-12-3

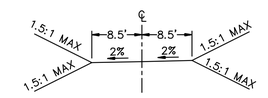
SCALE: 1" = 30'



TYPICAL ACCESS ROAD CROSS SECTION
STA 2+00 TO 3+21.89



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 0+31.99



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 0+87.34

GRAPHIC SCALE
30 0 30 60
1"=30'

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
5	1861082.91	6420592.71	2313.99	FG
6	1861084.57	6420599.51	2313.85	CL/FG
7	1861086.23	6420606.31	2313.71	FG
24	1861194.95	6420565.41	2329.82	FG
25	1861186.51	6420555.69	2329.67	FG
26	1861201.43	6420540.77	2330.47	FG
27	1861218.60	6420517.51	2331.47	FG
28	1861245.17	6420494.28	2332.82	FG
29	1861255.97	6420483.64	2333.39	FG
30	1861283.95	6420446.92	2335.01	FG
31	1861324.76	6420408.12	2337.13	FG
32	1861330.35	6420400.45	2337.46	FG
33	1861353.91	6420373.36	2338.76	FG
34	1861376.26	6420355.20	2339.88	FG
35	1861384.65	6420346.85	2340.34	FG
36	1861390.38	6420358.21	2340.36	FG
37	1861402.15	6420372.97	2340.55	FG
38	1861413.06	6420386.25	2340.74	FG
39	1861420.05	6420394.77	2340.85	FG
40	1861435.09	6420406.02	2341.22	FG
41	1861466.20	6420424.69	2342.05	FG
42	1861470.46	6420426.40	2342.18	FG
43	1861474.76	6420434.07	2342.21	FG
44	1861434.44	6420469.31	2340.15	FG
45	1861372.84	6420518.59	2337.10	FG
46	1861355.54	6420543.51	2336.07	FG
47	1861346.79	6420552.32	2335.60	FG
48	1861331.96	6420573.19	2334.72	FG
49	1861306.84	6420602.52	2333.33	FG
50	1861280.25	6420630.05	2331.91	FG
51	1861266.74	6420640.89	2331.22	FG
52	1861257.41	6420635.81	2330.96	FG
53	1861237.07	6420603.10	2330.75	FG
54	1861227.21	6420595.03	2330.52	FG
55	1861211.48	6420582.68	2330.14	FG
56	1861206.68	6420578.91	2330.08	FG
57	1861202.99	6420570.65	2330.03	CL/FG
58	1861191.67	6420616.66	2334.00	FG
59	1861203.00	6420616.29	2334.09	CL/FG
60	1861213.96	6420616.67	(2333.90)	EG
61	1861460.68	6420309.72	2351.97	FG
62	1861466.06	6420316.33	2351.94	CL/FG
63	1861472.24	6420322.29	2351.67	FG
64	1861219.34	6420588.85	2330.33	CL/FG
65	1861407.57	6420379.57	2340.64	CL/FG

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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-8A (LINK 2)
PULL SITE P-12-3 (NORTH)

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08A-P12-3-PS-B
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

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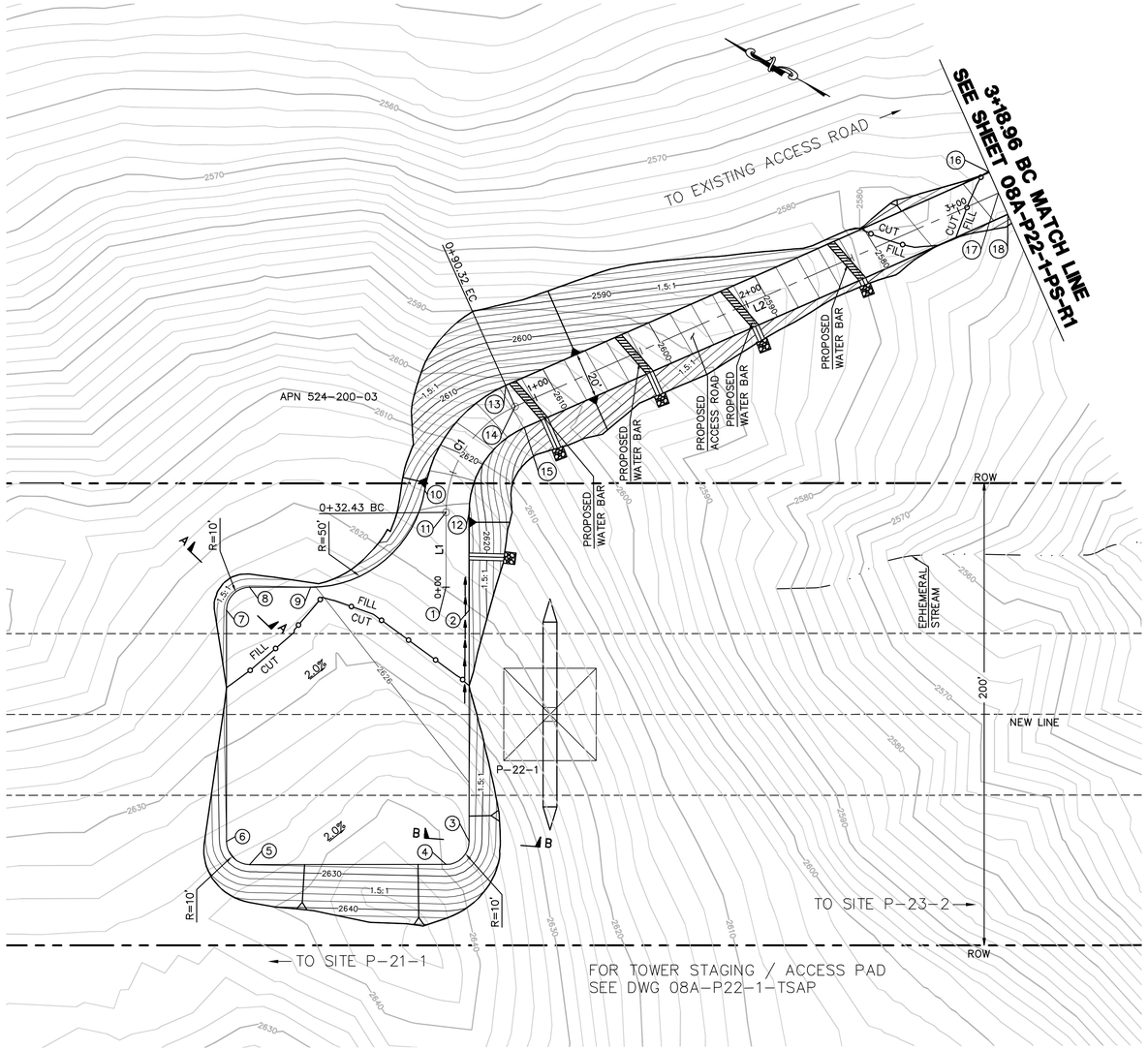
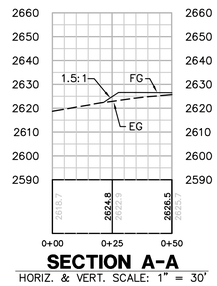
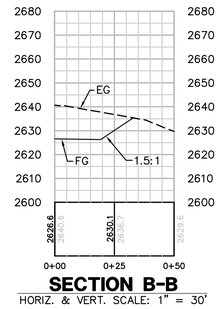


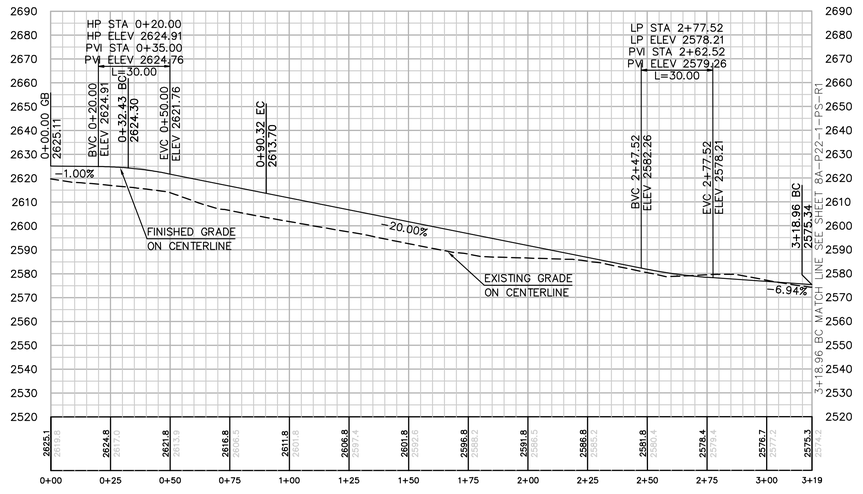


SECTION A-A
HORIZ. & VERT. SCALE: 1" = 30'



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

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1847267.50	6422907.31	2625.11	CL
2	1847253.91	6422903.39	2625.08	FG
3	1847205.57	6422815.85	2626.31	BC
4	1847209.49	6422802.27	2626.59	EC
5	1847283.90	6422761.18	2627.93	BC
6	1847297.49	6422765.09	2627.97	EC
7	1847345.83	6422852.63	2626.73	BC
8	1847341.91	6422866.22	2626.45	EC
9	1847318.78	6422879.00	2626.04	BC
10	1847295.88	6422939.60	2623.18	PRC
11	1847283.18	6422935.70	2624.30	CL/BC
12	1847274.43	6422940.53	2624.50	BC
13	1847287.06	6422996.33	2613.50	EC
14	1847279.12	6422990.26	2613.70	CL/EC
15	1847271.18	6422984.18	2613.90	EC
16	1847148.64	6423178.15	2575.14	BC
17	1847140.62	6423172.18	2575.34	CL/BC
18	1847132.66	6423166.12	2575.54	BC



PROFILE: ACCESS ROAD TO PULL SITE P-22-1
HORIZ. & VERT. SCALE: 1" = 30'

EARTH QUANTITIES:
CUT: 3,428 CY
FILL: 2,951 CY
NET: 477 CY

DISTURBED AREA:
PULLSITE: 16,039 SF
ROAD: 15,482 SF
TOTAL: 31,521 SF

QUANTITIES:
DOWN DRAIN: 49 LF
RIP RAP: 125 SF

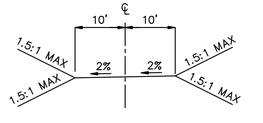
LENGTH OF ACCESS ROAD: 319 LF

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

PULL SITE P-22-1 PLAN (TEMPORARY)
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	50.00	57.89	66°19'59"
L1		32.43	N61°05'25"E
L2		228.65	S52°43'04"E



TYPICAL ACCESS ROAD CROSS SECTION
TRANSITION 0+00 TO 0+20.00
STA 0+20.00 TO 3+18.96

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
REG. NO. 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-8A (LINK 2)
PULL SITE P-22-1

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

08A-P22-1-PS

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
19	1847102.77	6423284.33	2577.21	EC
20	1847092.90	6423282.70	2577.41	CL/EC
21	1847083.04	6423281.06	2577.61	EC
22	1847092.22	6423347.94	2572.57	BC
23	1847082.35	6423346.30	2572.77	CL/BC
24	1847072.49	6423344.66	2572.97	BC
25	1847086.14	6423405.29	2566.57	EC
26	1847076.15	6423404.83	2566.77	CL/EC
27	1847066.17	6423404.36	2566.97	EC
28	1847050.82	6423469.38	2553.36	BC
29	1847044.26	6423476.93	2553.56	CL/BC
30	1847037.70	6423484.48	2553.76	BC
31	1847080.00	6423537.04	2552.22	EC
32	1847069.99	6423537.04	2552.42	CL/EC
33	1847060.01	6423536.19	2552.62	EC
34	1847078.55	6423568.15	2551.06	BC
35	1847058.57	6423567.22	2551.46	BC
36	1847132.89	6423635.31	2540.65	EC
37	1847003.39	6423632.71	2546.22	EC
38	1847161.53	6423646.00	(2534.43)	EG
39	1847065.61	6423630.86	(2548.87)	CL
40	1846979.35	6423639.34	(2541.73)	EG
41	1847143.47	6423571.18		RP
42	1846993.44	6423568.48		RP

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C5	250.00	121.57	27°51'46"
C6	500.00	58.89	6°44'53"
C7	75.00	67.65	51°40'48"
L8		64.47	S80°34'50"E
L9		226.28	S87°19'43"E

EARTH QUANTITIES:
CUT: 549 CY
FILL: 612 CY
NET: 63 CY

DISTURBED AREA:
ROAD: 15,478 SF

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

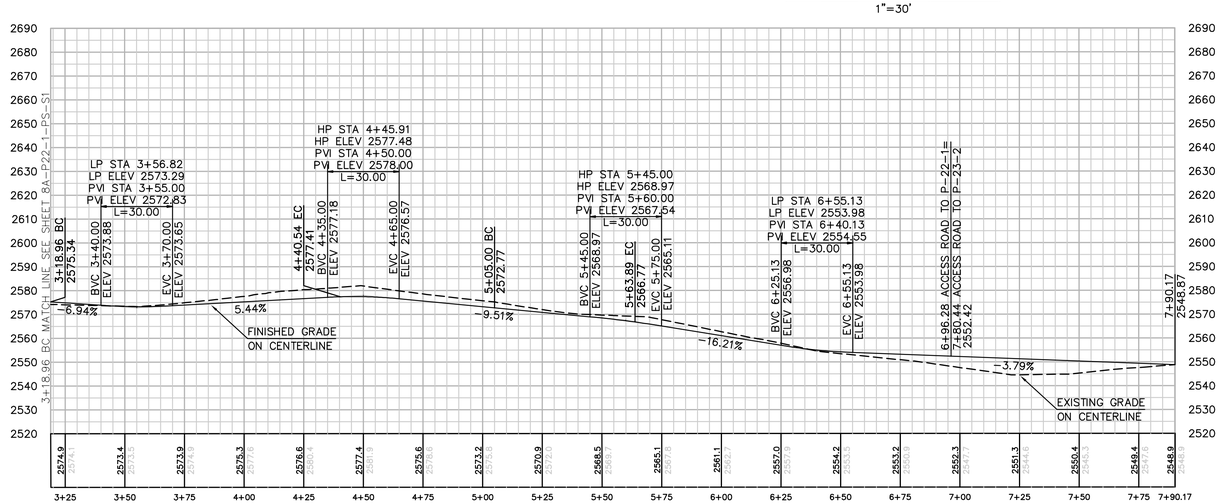
LENGTH OF ACCESS ROAD: 538 LF

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

ACCESS ROAD TO PULL SITE P-22-1 PLAN (TEMPORARY)

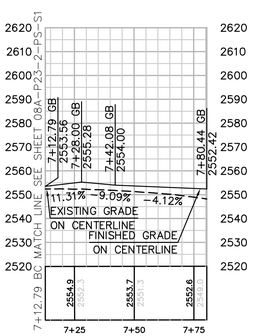
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'



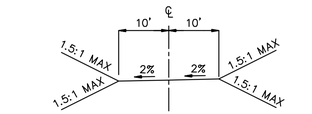
PROFILE: ACCESS ROAD TO PULL SITE P-23-2

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



PROFILE: ACCESS ROAD TO PULL SITE P-22-1

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



TYPICAL ACCESS ROAD CROSS SECTION
STA 3+18.96 TO 7+90.17
STA 7+12.79 TO 7+80.44

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REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SMITH
No. 29108
Exp.3-31-17
CIVIL
STATE OF CALIFORNIA

REVISIONS

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SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
ACCESS ROAD TO PULL SITE P-22-1

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

08A-P22-1-PS-R1

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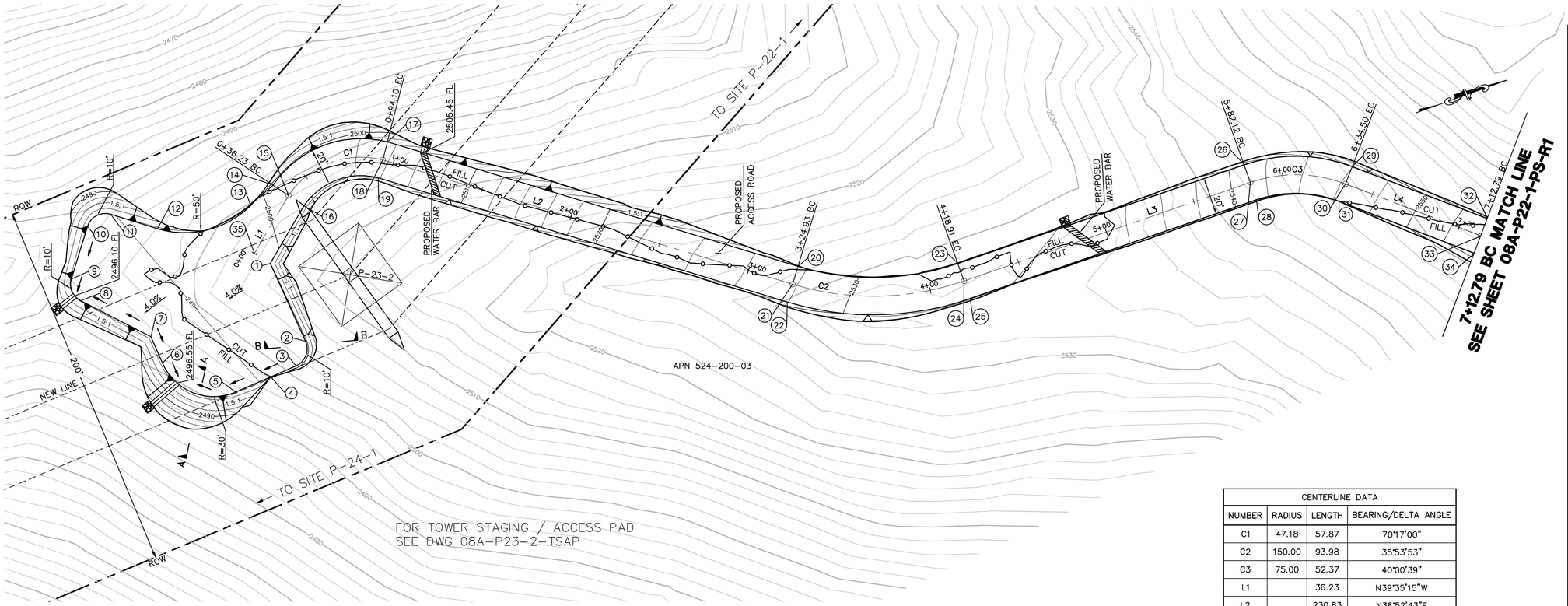


NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1846425.88	6423267.53	2499.85	FG
2	1846429.42	6423313.46	2499.33	BC
3	1846420.05	6423324.21	2498.82	EC
4	1846405.27	6423325.09	2498.26	FG
5	1846384.65	6423326.31	2497.47	BC
6	1846352.92	6423298.15	2496.68	EC
7	1846352.00	6423282.71	2496.87	FG
8	1846323.02	6423251.54	2496.23	BC
9	1846322.19	6423238.93	2496.35	EC
10	1846340.17	6423215.14	2497.37	BC
11	1846354.12	6423213.28	2497.94	EC
12	1846375.16	6423229.19	2498.50	BC
13	1846426.73	6423234.66	2499.78	EC
14	1846441.82	6423228.42	2500.16	BC
15	1846447.67	6423236.53	2500.36	CL/BC
16	1846453.54	6423244.66	2500.56	BC
17	1846507.63	6423227.64	2503.40	EC
18	1846501.98	6423235.89	2503.60	CL/EC
19	1846496.31	6423244.14	2503.80	EC
20	1846692.62	6423366.42	2527.64	BC
21	1846686.62	6423374.41	2527.84	CL/BC
22	1846680.62	6423382.41	2528.04	BC
23	1846774.24	6423394.41	2531.31	EC
24	1846774.07	6423404.41	2531.51	CL/EC
25	1846773.90	6423414.40	2531.71	EC
26	1846937.43	6423397.20	2540.90	BC
27	1846937.26	6423407.20	2541.10	CL/BC
28	1846937.08	6423417.20	2541.30	BC
29	1846991.73	6423418.03	2546.04	EC
30	1846985.17	6423425.58	2546.24	CL/EC
31	1846978.61	6423433.13	2546.44	EC
32	1847050.83	6423469.39	2553.36	BC
33	1847044.26	6423476.93	2553.56	CL/BC
34	1847037.70	6423484.48	2553.76	BC
35	1846419.75	6423259.62	2499.73	CL/FG

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
C1	47.18	57.87	70°17'00"
C2	150.00	93.98	35°53'53"
C3	75.00	52.37	40°00'39"
L1		36.23	N39°35'15"W
L2		230.83	N36°52'43"E
L3		163.21	N0°58'50"E
L4		78.29	N40°59'29"E

EARTH QUANTITIES:
CUT: 907 CY
FILL: 867 CY
NET: 40 CY

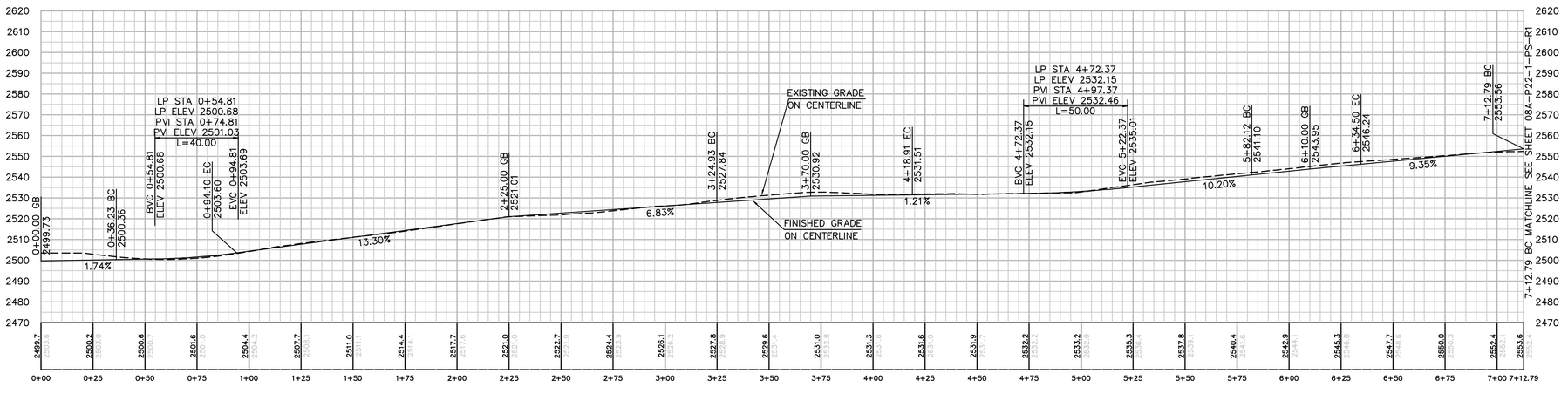
DISTURBED AREA:
PULLSITE: 10,953 SF
ROAD: 17,625 SF
TOTAL: 28,578 SF

QUANTITIES:
RIP RAP: 100 SF
DOWN DRAIN: 30 LF

LENGTH OF ACCESS ROAD: 713 LF

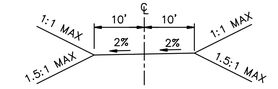
PULL SITE P-23-2 PLAN (TEMPORARY)
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

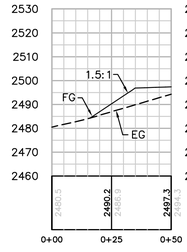


PROFILE: ACCESS ROAD TO PULL SITE P-23-2
HORIZ. & VERT. SCALE: 1" = 30'

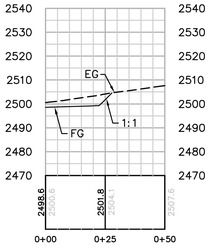
NOTE: GRADING IS TEMPORARY ON TEMPORARY PULL SITE LOCATIONS AND ACCESS ROADS.



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 7+12.79 BC



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. 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-8A (LINK 2)
PULL SITE P-23-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				08A-P23-2-PS
CAD NO.:	PLOT SCALE: 1 = 1				

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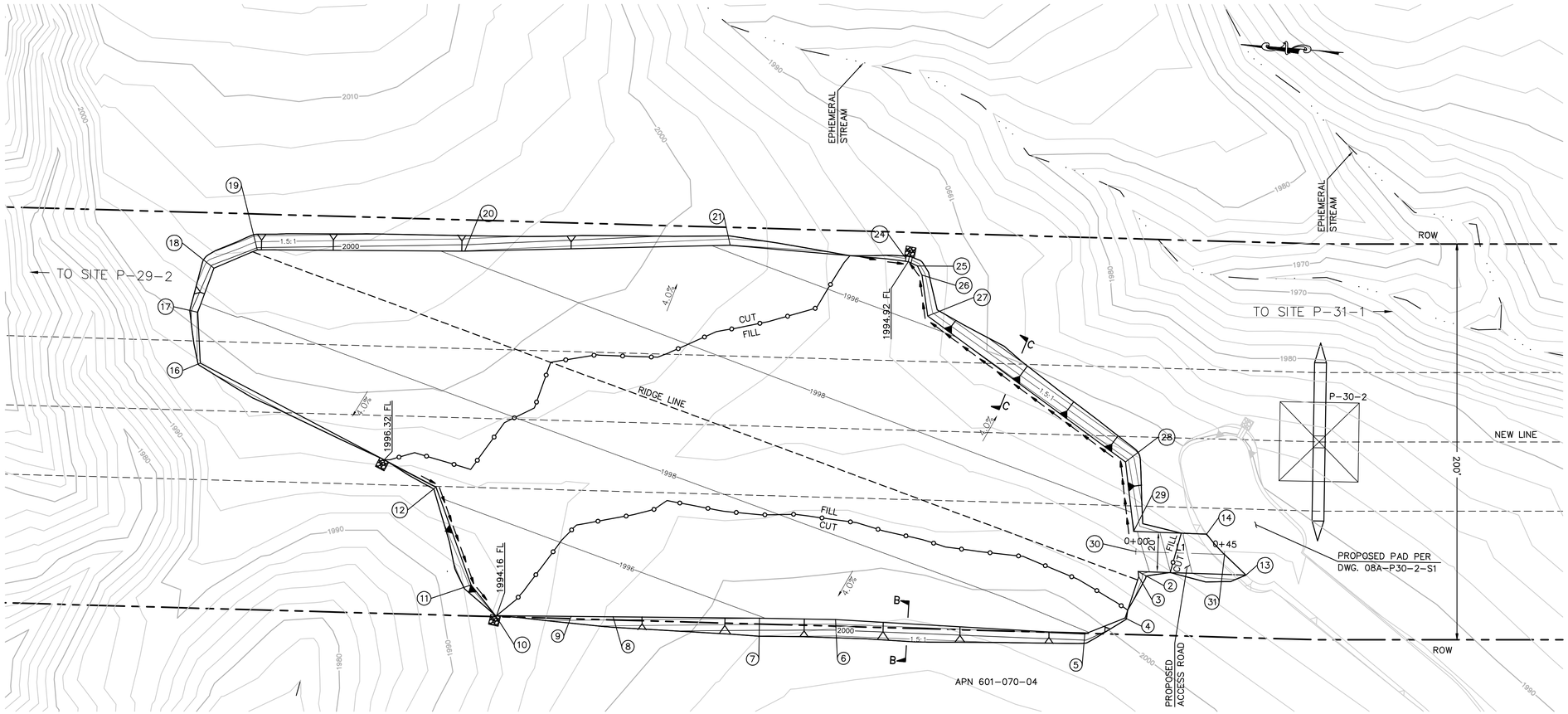


CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		44.85	S2°38'49"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	1835658.55	6423731.32	1999.05	FG
3	1835658.03	6423728.66	1999.27	FG
4	1835663.26	6423707.33	1998.53	FG
5	1835682.97	6423697.62	1997.94	FG
6	1835809.09	6423694.88	1996.47	FG
7	1835847.55	6423692.52	1995.96	FG
8	1835921.41	6423687.38	1994.96	FG
9	1835942.48	6423685.91	1994.67	FG
10	1835980.62	6423683.26	1994.16	FG
11	1835994.25	6423697.69	1994.56	FG
12	1836015.75	6423745.63	1996.18	FG
13	1835604.06	6423733.84	1992.26	FG
14	1835625.53	6423752.89	1991.88	FG
16	1836139.52	6423798.65	1996.87	FG
17	1836142.92	6423824.12	1997.81	FG
18	1836136.46	6423847.02	1998.77	FG
19	1836115.36	6423858.01	1999.28	FG
20	1836010.76	6423865.62	1997.84	FG
21	1835877.22	6423879.26	1995.86	FG
24	1835786.79	6423878.22	1994.92	FG
25	1835782.02	6423876.34	1994.94	FG
26	1835779.37	6423871.97	1995.08	FG
27	1835774.84	6423851.54	1995.81	FG
28	1835669.36	6423785.95	1997.13	FG
29	1835662.50	6423751.26	1998.33	FG
30	1835660.51	6423741.24	1998.69	CL
31	1835615.71	6423743.31	1992.04	CL/FG

EARTH QUANTITIES:
CUT: 3,583 CY
FILL: 2,917 CY
NET: 666 CY

DISTURBED AREA:
ROAD: 2,262 SF
PULLSITE: 78,942 SF
TOTAL: 81,204 SF

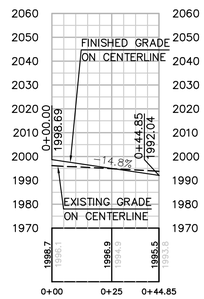
QUANTITIES:
RIP RAP: 75 SF
DOWN DRAIN: 3 LF

LENGTH OF ACCESS ROAD: 45 LF

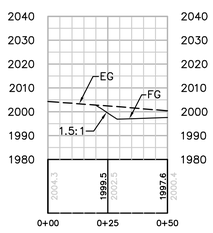
NOTE: GRADING IS TEMPORARY ON TEMPORARY PULL SITE LOCATIONS AND ACCESS ROADS.

PULL SITE P-30-2 PLAN (TEMPORARY)
SCALE: 1" = 30'

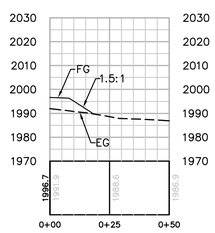
GRAPHIC SCALE
30 0 30 60
1"=30'



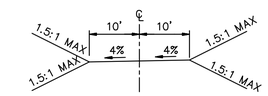
PROFILE: ACCESS ROAD TO PULL SITE P-30-2
HORIZ. & VERT. SCALE: 1" = 30'



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



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



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00.00 TO 0+45.00

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

REVISIONS

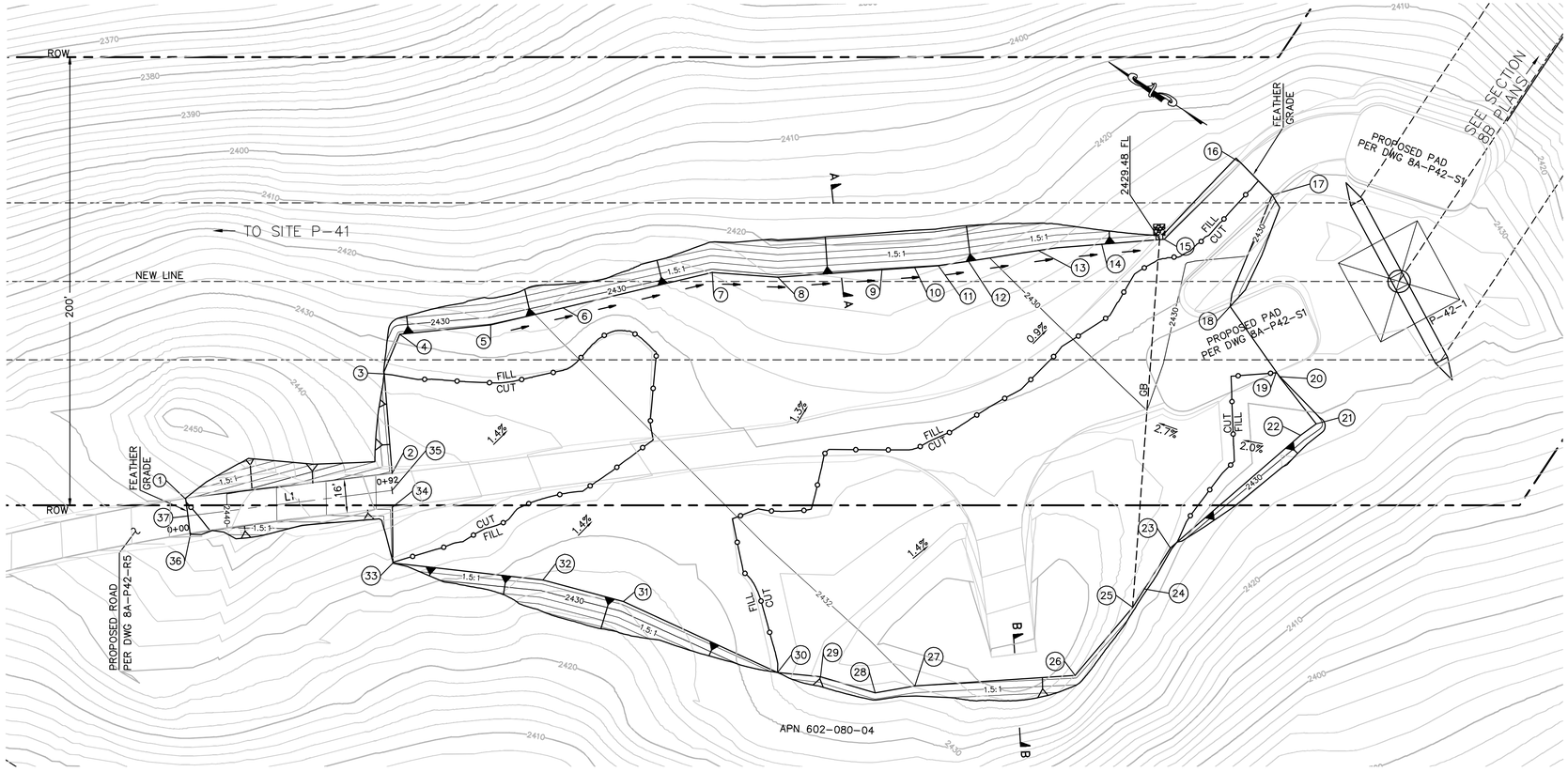
NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:	NO.	WORK DONE	DATE	BY:	APP'D:

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SPL-8A (LINK 2)
PULL SITE P-30-2

DRAWN BY: 00	DATE:	SCALE: 1" = 30' W.O.	REV. 0
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		
CAD NO.:	PLOT SCALE: 1 = 1		08A-P30-2-PS

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\PULLSITES\08A-P30-2-PS.dwg[]May-24-2010 09:46



NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1820464.27	6426084.13	(2441.42)	EG
2	1820392.52	6426143.29	2433.35	FG
3	1820419.38	6426178.81	2432.94	FG
4	1820423.15	6426197.48	2432.69	FG
5	1820391.17	6426222.91	2432.25	FG
6	1820368.17	6426246.71	2431.84	FG
7	1820320.54	6426295.97	2430.98	FG
8	1820294.83	6426309.84	2430.69	FG
9	1820257.47	6426337.70	2430.35	FG
10	1820245.74	6426346.44	2430.24	FG
11	1820237.18	6426352.81	2430.16	FG
12	1820227.04	6426361.75	2430.07	FG
13	1820203.33	6426382.62	2429.84	FG
14	1820181.07	6426400.24	2429.65	FG
15	1820158.75	6426417.17	2429.52	FG
16	1820148.29	6426464.28	2428.48	FG
17	1820128.81	6426459.74	2428.88	FG
18	1820117.79	6426407.73	2430.90	FG
19	1820084.71	6426394.27	2431.44	FG
20	1820082.43	6426393.20	2431.47	FG
21	1820057.20	6426384.30	2431.86	FG
22	1820060.28	6426376.26	2431.74	FG
23	1820082.10	6426302.56	2430.80	FG
24	1820082.06	6426280.87	2430.66	FG
25	1820082.05	6426271.24	2430.60	FG
26	1820087.25	6426231.74	2431.20	FG
27	1820144.93	6426189.28	2432.00	FG
28	1820158.15	6426177.04	2432.20	FG
29	1820182.55	6426169.97	2432.37	FG
30	1820199.78	6426161.21	2432.54	FG
31	1820274.76	6426150.79	2432.90	FG
32	1820310.19	6426139.51	2433.16	FG
33	1820370.59	6426109.90	2433.74	FG
34	1820384.28	6426130.62	2433.35	FG
35	1820388.40	6426136.96	2433.35	CL/FG
36	1820453.76	6426072.31	(2441.72)	EG
37	1820459.01	6426078.21	(2441.57)	CL/EG

EARTH QUANTITIES:
CUT: 4,524 CY
FILL: 3,367 CY
NET: 1,157 CY

DISTURBED AREA:
PULLSITE: 70,966 SF
TOTAL: 70,966 SF

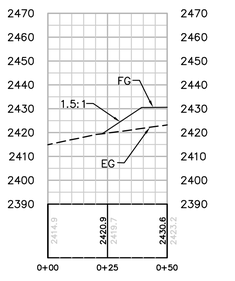
QUANTITIES:
RIP RAP: 25 SF
DOWN DRAIN: 2 LF

LENGTH OF ACCESS ROAD: 92 LF

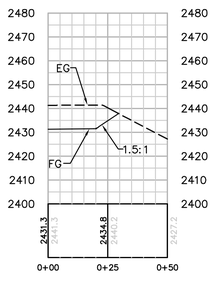
PULL SITE P-42 PLAN (TEMPORARY)
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 30 60
1"=30'

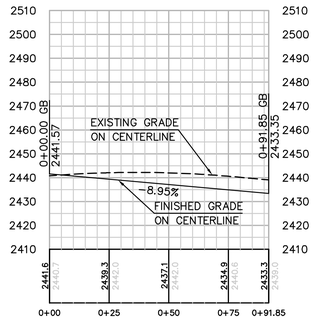
NOTE: GRADING IS TEMPORARY ON TEMPORARY PULL SITE LOCATIONS AND ACCESS ROADS.



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

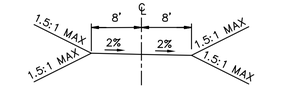


SECTION B-B
HORIZ. & VERT. SCALE: 1" = 30'



PROFILE: ACCESS ROAD TO PULL SITE P-42
HORIZ. & VERT. SCALE: 1" = 30'

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		91.85	S39°45'29"E



TYPICAL ACCESS ROAD CROSS SECTION
STA 0+00 TO 0+91.85

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San Diego, CA 92127-1624
Tel: (858) 451-6100 Fax: (858) 451-2846
www.us.bureauveritas.com

REGISTERED PROFESSIONAL ENGINEER
STEPHEN K. SUNTTI
PE# 29708
Exp.3-31-YY
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-8A (LINK 2)
PULL SITE P-42

DRAWN BY: 00	DATE:	SCALE: 1" = 30'	W.O.	REV. 0	08A-P42-PS
CHECKED BY:	DATE:				
APPROVED BY:	DATE:				
CAD NO.:	PLOT SCALE: 1 = 1				

P:\16919 SDG&E SPL\CADD\08A\dwg\plan\PULLSITES\08A-P42-PS.dwg LMay-24-20100944

SUNRISE POWERLINK PROJECT
SECTION 8A (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 8A-3&5
SHEET 5	PERMIT 8A-6&7
SHEET 6	PERMIT 8A-8&9

UNDERGROUND SERVICE ALERT

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
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San Diego, CA 92127-1624
Tel: (858) 451-6100 Fax: (858) 451-2846
www.us.bureauveritas.com

LEGAL DESCRIPTION	LEGAL DESCRIPTION
ASSESSORS PARCEL NO. _____	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

NAME: GPS 32
LOCATION: N 1959223.231 E 6351466.260
DESCRIPTION: SURVEY DISK
ELEVATION: 1373.160' DATUM: NAVD 88

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

PRIVATE CONTRACT

SHEET 1	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	6 SHEETS

IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

PRIVATE ROADWAY / DRIVEWAY PLANS
SECTION 8A IMPROVEMENTS
TITLE SHEET

ENGINEER OF WORK STEPHEN K. SMITH R.C.E. 29708	CHECKED BY:	IMPROVEMENT PLAN NO.
	APPROVAL DATE:	
SPL-8A (LINK 2)		08A-DWY-01

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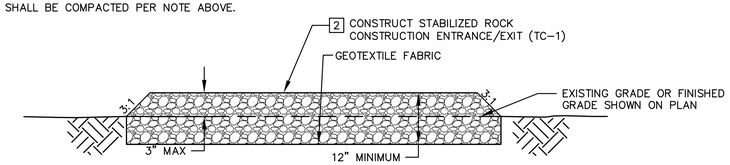
CONSTRUCTION NOTE:

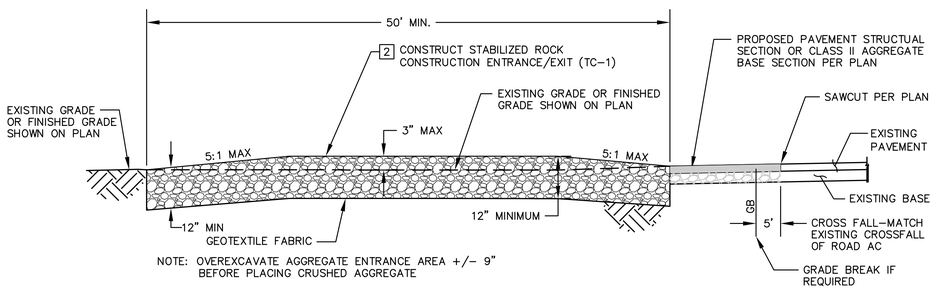
1. CONSTRUCT * ASPHALT CONCRETE OVER * CLASS II AGGREGATE BASE **
2. CONSTRUCT STABILIZED CONSTRUCTION APPROACH AT CONSTRUCTION ENTRANCE PER DETAILS ON SHEET 2.
3. SAWCUT AND JOIN EXISTING PAVEMENT
4. CONSTRUCT 8" CLASS II AGGREGATE BASE ROAD ENTRANCE, DETAILS ON SHEET 2.
5. INSTALL SIGN W11-10 (TRUCK) WITH W13-1P (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



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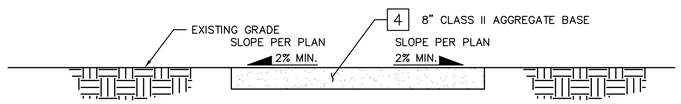
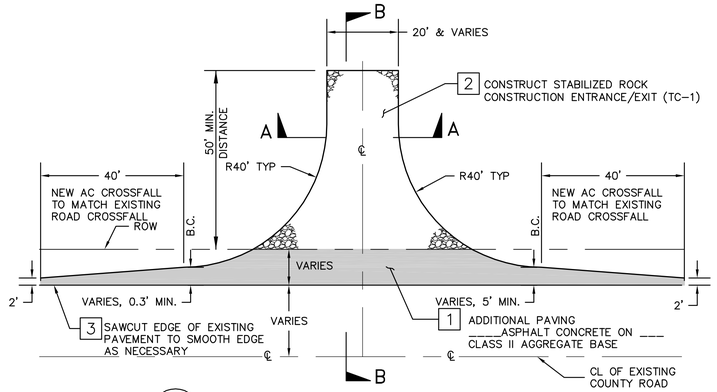
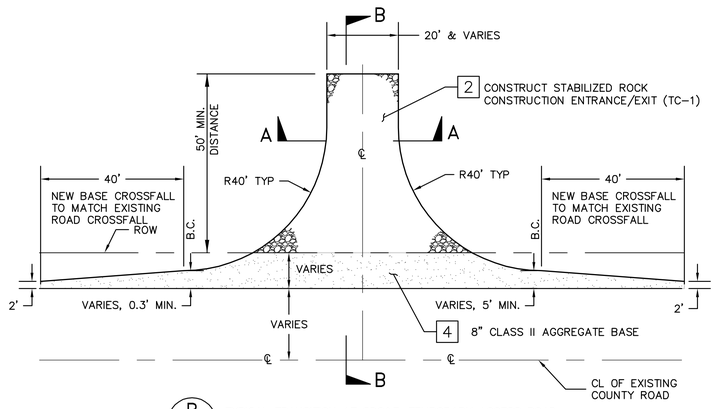


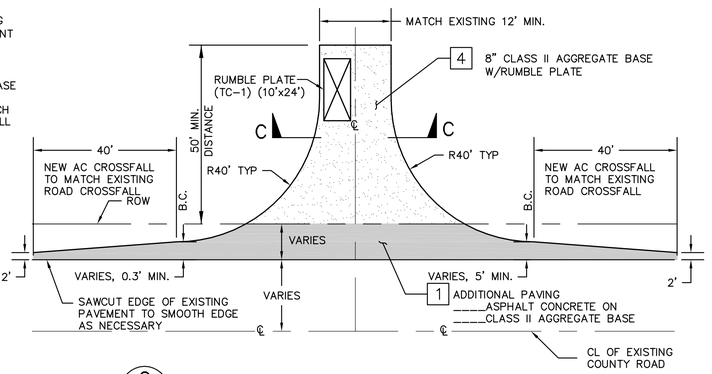
SECTION C-C



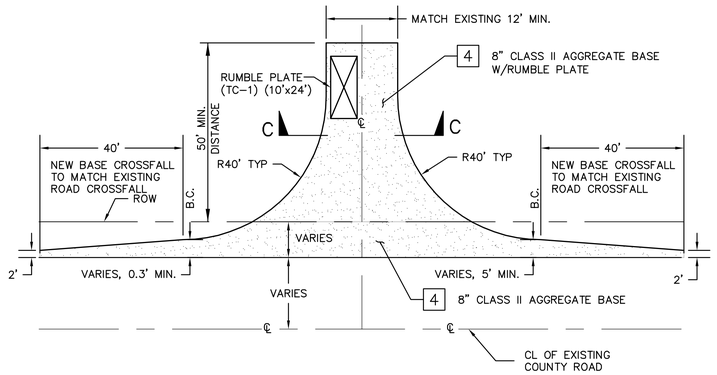
A/— TYPICAL TRANSITION AT NEW SDG&E PRIVATE ROAD CONNECTION
NOT TO SCALE



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
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LEGAL DESCRIPTION	LEGAL DESCRIPTION
ASSESSORS PARCEL NO.	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 — RCE 29708 — Exp.3-31-11 — CIVIL — STATE OF CALIFORNIA

NAME: STEPHEN K. SMITH
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PERMITS

REZONE PERMIT NO.
SPECIAL USE PERMIT NO.
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COUNTY APPROVED CHANGES

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PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	SHEETS
2		6

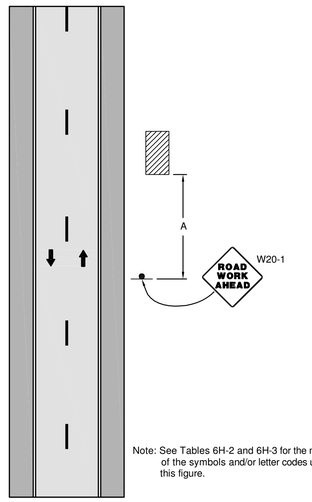
IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

CONSTRUCTION NOTES, DETAILS, ABBREVIATIONS, AND LEGEND

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

SPL-8A (LINK 2) | 08A-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.)

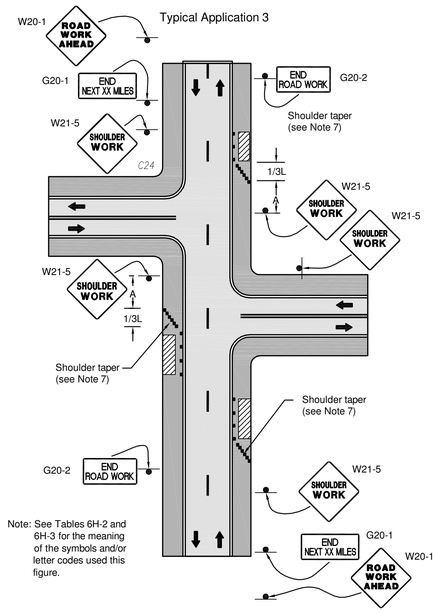
Table 6H-4. Formulas for Determining Taper Length

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.

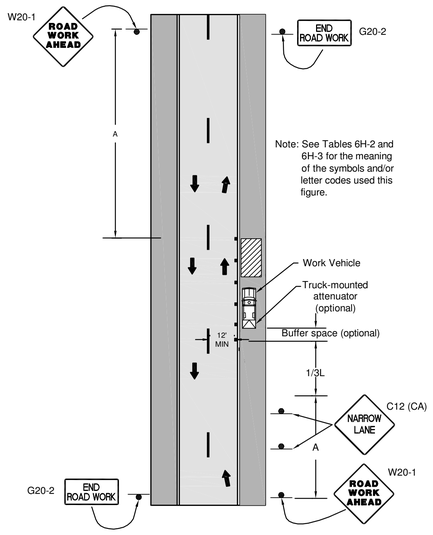
Standard:

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:

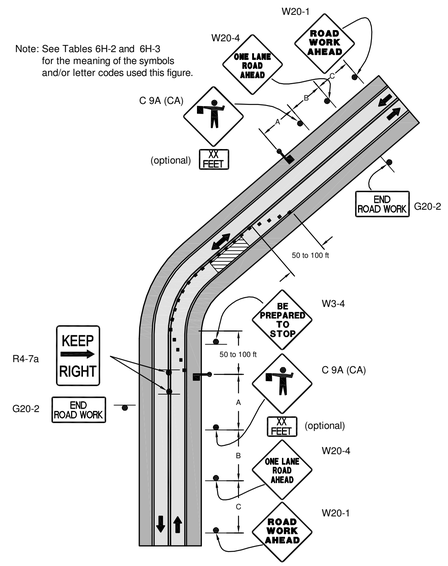
11. Vehicle-mounted signs shall be mounted in a manner such that they are not obscured by equipment or supplies. Sign legends on vehicle-mounted signs shall be covered or turned from view when work is not in progress.

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:

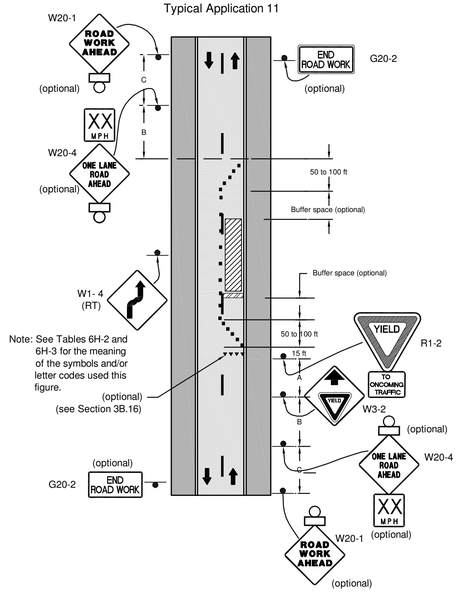
6. *When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the ONE LANE ROAD sign.*
7. *When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the 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 — RCE 29708 — Exp.3-31-17 — 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: GPS 32
LOCATION: N 1959223.231 E 6351466.260
DESCRIPTION: SURVEY DISK
ELEVATION: 1373.160' DATUM: NAVD 88

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

PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	SHEETS
3		6

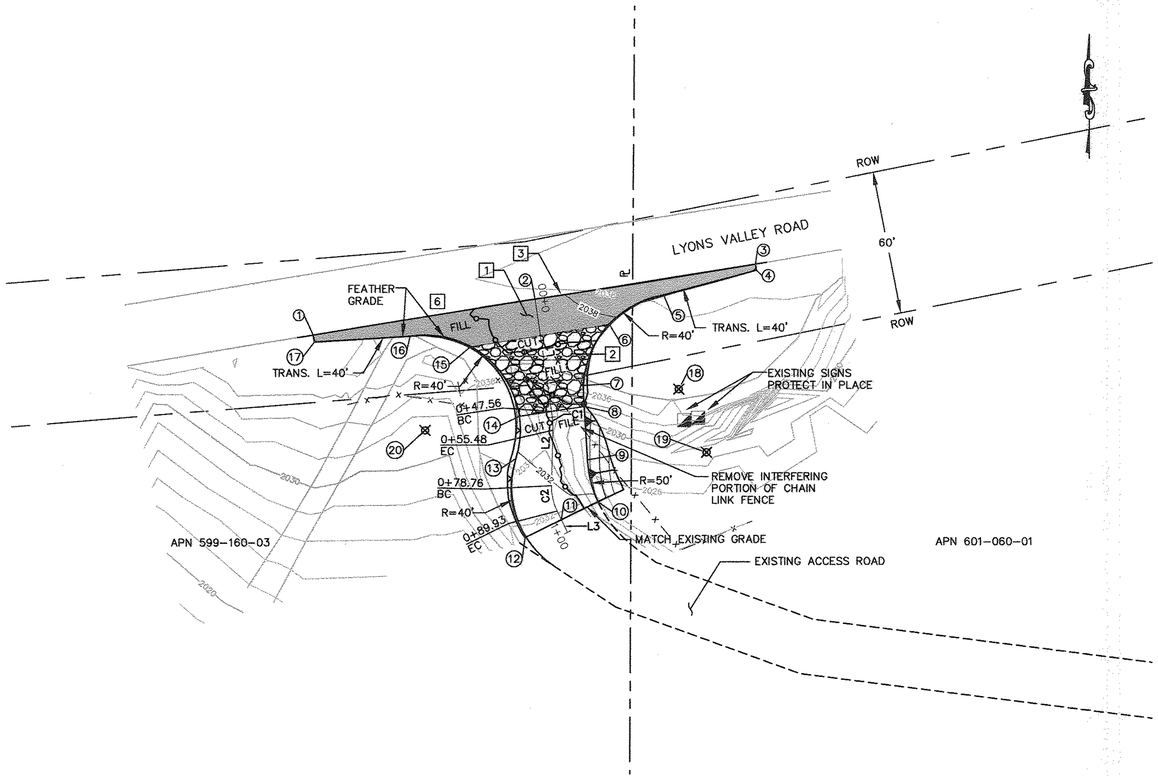
IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

TRAFFIC CONTROL DETAILS

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

SPL-8A (LINK 2) | 08A-DWY-03

p:\16919 sdg&e sp\agency permit list\exhibits\cadd\8a\plan\3-8a tc details.dwg 7/1/2010 9:20 AM



ACCESS TO P30-2 & P32-1 (PERMIT 8A-3)

SCALE: 1"=30'

QUANTITIES:

1 PAVEMENT SECTION: 1739 SF
2 STABILIZED ROCK: 1191 SF
3 SAWCUT: 188 LF
6 TRAFFIC CONTROL: LS

DISTURBED AREA:

ROAD: 4,866 SF

EARTHWORK QUANTITIES:

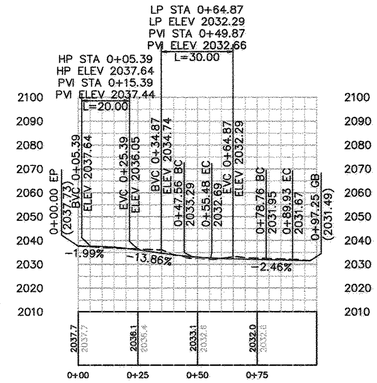
CUT: 75 CY
FILL: 94 CY
NET: 19 CY

LENGTH OF ACCESS ROAD 97 LF

CONSTRUCTION NOTE:

1. CONSTRUCT 3" ASPHALT CONCRETE OVER 6" 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.

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1836383.96	6416932.79	(2037.54)	EG
2	1836398.82	6417025.78	(2037.75)	CL/EG
3	1836413.35	6417118.20	(2038.00)	EG
4	1836410.89	6417118.55	2037.96	FG
5	1836400.53	6417079.75	2038.69	FG
6	1836388.35	6417056.90	2037.76	FG
7	1836362.63	6417046.15	2034.52	FG
8	1836353.82	6417046.49	2033.56	FG
9	1836331.35	6417047.88	2032.52	FG
10	1836313.65	6417052.32	2031.92	FG
11	1836306.15	6417036.98	2031.67	CL/FG
12	1836298.73	6417021.79	2031.57	FG
13	1836331.97	6417017.95	2031.92	PRC/FG
14	1836349.78	6417019.33	2033.02	FG
15	1836379.01	6416998.93	2036.53	FG
16	1836383.38	6416973.40	2037.40	FG
17	1836380.97	6416933.33	2037.50	FG
18	1836361.04	6417086.12		RP
19	1836334.45	6417097.79		RP
20	1836343.89	6416979.77		RP



PROFILE: ACCESS ROAD TO P30-2 & P32-1

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

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA
L1		47.56	S8°31'15"E
C1	53.64	7.92	8°27'40"
L2		23.28	S1°24'49"W
C2	23.30	11.17	27°27'58"
L3		10.03	S26°03'08"E

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 LYONS VALLEY ROAD) ON APN 599-160-03 AND APN 601-060-03, 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	ENGINEER OF WORK
ASSESSORS PARCEL NO. 599-160-03	ASSESSORS PARCEL NO. 601-060-03	NAME: STEPHEN K. SMITH
RECORD PLAN	RECORD PLAN	PHONE NO. (858)451-6100
NAME:	NAME:	ADDRESS: 11590 W. BERNARDO CT. SUITE 100 SAN DIEGO, CA. 92127
R.C.E.	R.C.E.	
DATE:	DATE:	

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

PERMITS
REZONE PERMIT NO.
SPECIAL USE PERMIT NO.
GRADING PERMIT NO.

COUNTY APPROVED CHANGES

NO.	DESCRIPTION	APPROVED BY	DATE

BENCH MARK
NAME: GPS 32
LOCATION: N 1959223.231 E 6351466.260
DESCRIPTION: SURVEY DISK
ELEVATION: 1373.160' DATUM: NAVD 88
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

PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	6 SHEETS
4		

IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

ACCESS ROAD IMPROVEMENTS ON LYONS VALLEY ROAD PERMIT 8A-3

ENGINEER OF WORK: STEPHEN K. SMITH R.C.E. 29708	CHECKED BY: APPROVAL DATE:	IMPROVEMENT PLAN NO.
SPL-8A (LINK 2)		08A-DWY-04

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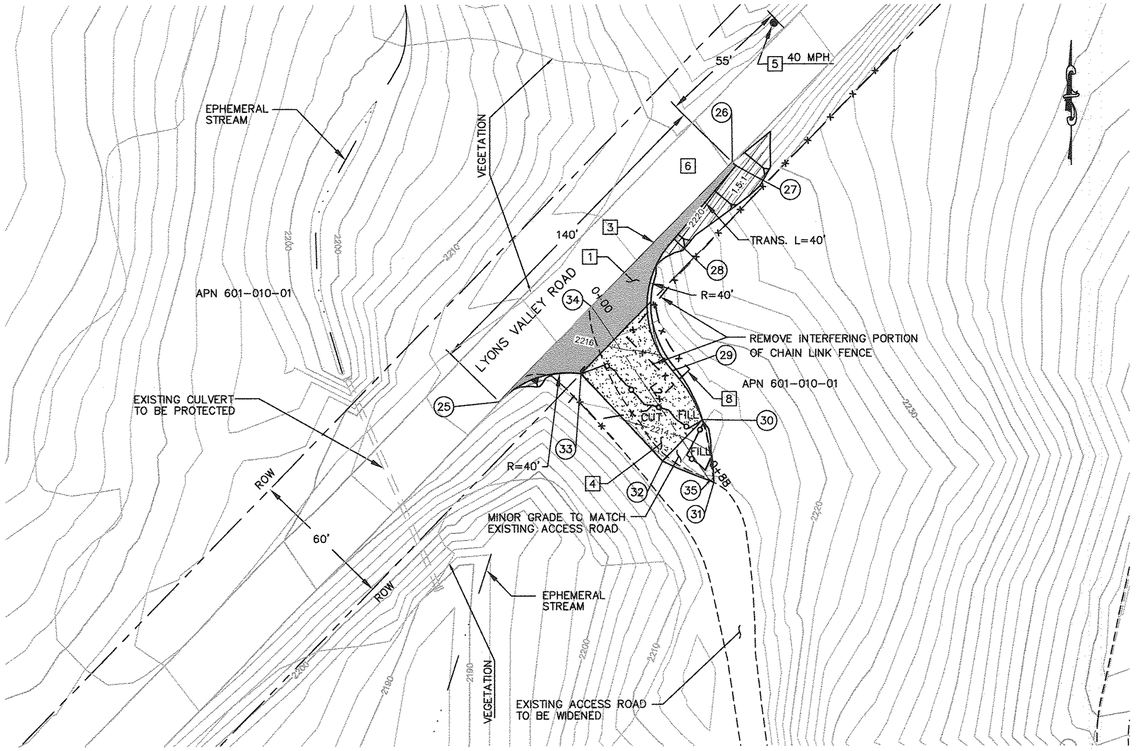


ACCESS TO P26-1, P27-1 (PERMIT 8A-6)

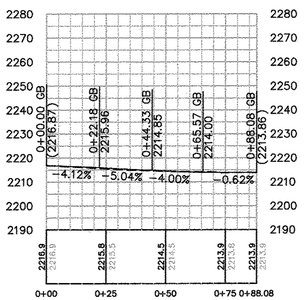
SCALE: 1"=30'

EARTH QUANTITIES:
CUT: 31 CY
FILL: 21 CY
NET: 10 CY

QUANTITIES:
1 PAVEMENT SECTION: 1,187 SF
3 SAWCUT: 140 LF
4 AGGREGATE BASE: 1,493 SF
5 CONSTRUCTION SIGN: 1
6 TRAFFIC CONTROL: LS
8 FENCE & GATE: 38 LF
LENGTH OF ACCESS ROAD: 88 LF

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L2		88.08	S34°09'08.78"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
25	1843131.06	6422460.93	(2214.60)	EG
26	1843231.07	6422558.70	(2220.07)	EG
27	1843229.68	6422560.13	2220.03	FG
28	1843198.98	6422534.32	2218.56	BC
29	1843143.85	6422533.56	2215.54	PRC
30	1843123.46	6422545.99	2214.17	EC
31	1843097.18	6422550.90	(2213.83)	EG
32	1843106.11	6422529.41	(2213.77)	EG
33	1843142.69	6422495.24	2215.14	BC
34	1843170.72	6422499.70	(2216.87)	CL
35	1843097.84	6422549.15	(2213.86)	CL



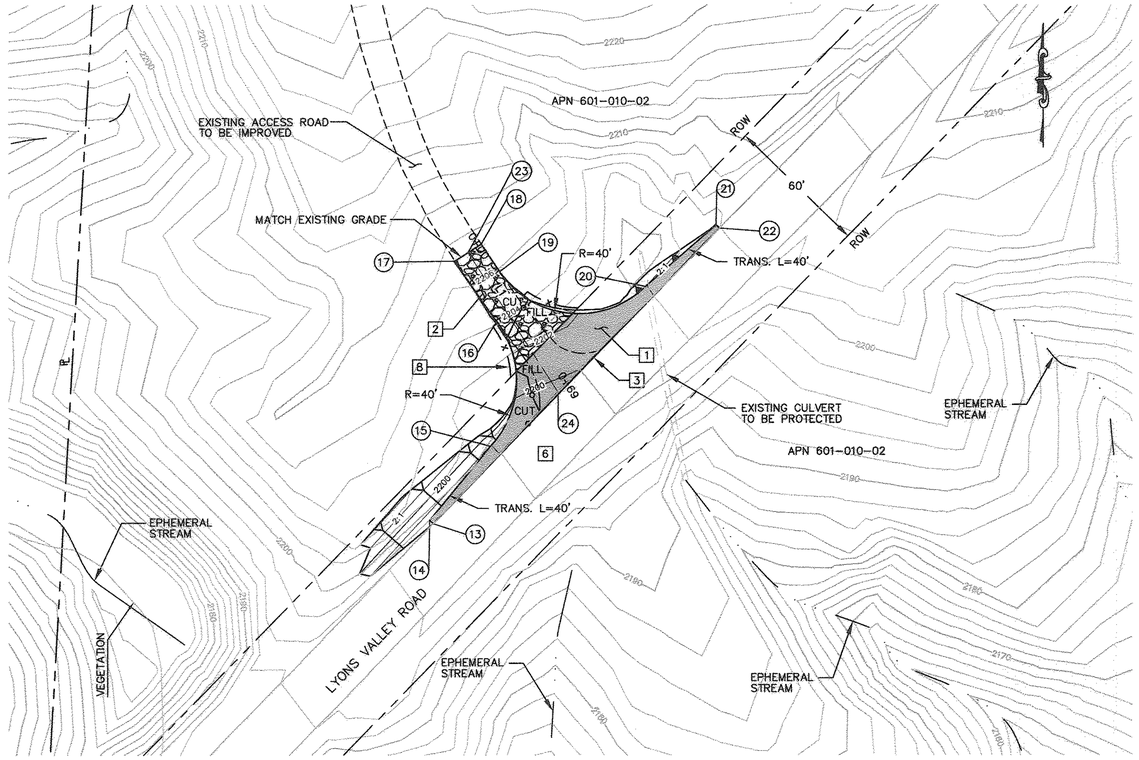
PROFILE: ACCESS TO TOWER P-26-1, P27-1

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

CONSTRUCTION NOTE:

1. CONSTRUCT 3" ASPHALT CONCRETE OVER 6" 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.

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.



EARTH QUANTITIES:
CUT: 48 CY
FILL: 20 CY
NET: 28 CY

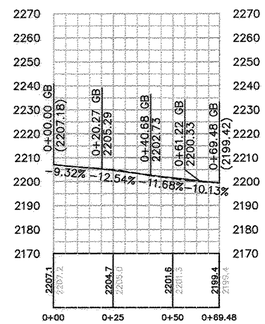
QUANTITIES:
1 PAVEMENT SECTION: 1,511 SF
2 STABILIZED ROCK: 847 SF
3 SAWCUT: 172 LF
6 TRAFFIC CONTROL: LS
8 FENCE & GATE: 66 LF
LENGTH OF ACCESS ROAD: 70 LF

ACCESS TO P22-1, P24-1 & PS (PERMIT 8A-7)

SCALE: 1"=30'

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		69.48	S32°47'43.63"E

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
13	1844380.06	6423643.72	(2196.78)	EG
14	1844381.44	6423642.27	2196.76	FG
15	1844412.42	6423667.76	2197.93	BC
16	1844464.65	6423670.42	2203.95	EC
17	1844489.89	6423653.00	(2207.16)	EG
18	1844496.98	6423664.00	(2207.24)	EG
19	1844485.53	6423671.62	2205.87	EC
20	1844479.32	6423732.84	2201.96	BC
21	1844505.16	6423762.44	2203.96	FG
22	1844503.77	6423763.88	(2203.98)	EG
23	1844493.43	6423658.50	(2207.18)	CL
24	1844435.03	6423696.13	(2199.42)	CL



PROFILE: ACCESS TO TOWER P-22-1, P24-1

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

01 WITH REGARD ONLY TO THE WORK SHOWN ON THESE PLANS FOR THE SDG&E SUNRISE POWERLINK DRIVEWAY IMPROVEMENTS (ACCESS FROM LYONS VALLEY ROAD) ON APN 601-010-01 AND APN 601-010-02, 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. Bragg 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	ENGINEER OF WORK
ASSESSORS PARCEL NO. 601-010-01	ASSESSORS PARCEL NO. 601-010-02	REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH No. 29708 Exp: 3-31-11 CIVIL STATE OF CALIFORNIA
RECORD PLAN	RECORD PLAN	NAME: STEPHEN K. SMITH
NAME:	NAME:	PHONE NO. (858)451-6100
R.C.E.	R.C.E.	ADDRESS: 11590 W. BERNARDO CT. SUITE 100 SAN DIEGO, CA. 92127
DATE:	DATE:	

01

PERMITS
REZONE PERMIT NO.
SPECIAL USE PERMIT NO.
GRADING PERMIT NO.

COUNTY APPROVED CHANGES			
NO.	DESCRIPTION	APPROVED BY	DATE

BENCH MARK
NAME: GPS 32
LOCATION: N 1959223.231 E 6351466.260
DESCRIPTION: SURVEY DISK
ELEVATION: 1373.160' DATUM: NAVD 88
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

PRIVATE CONTRACT

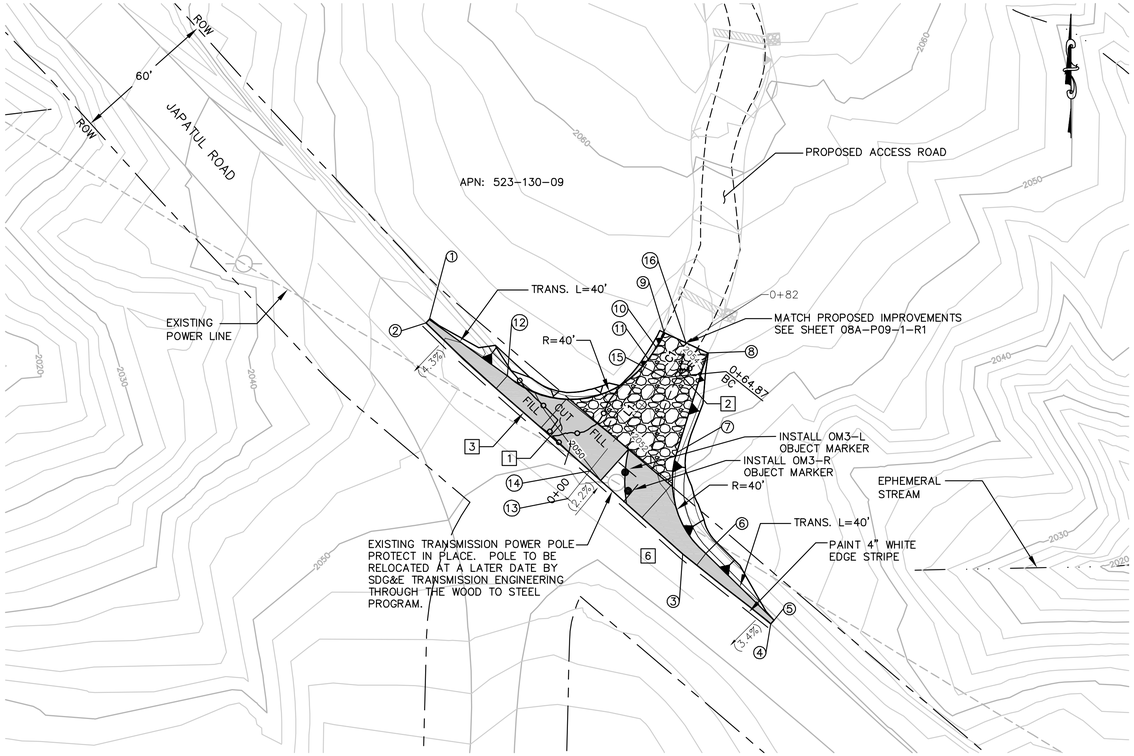
SHEET	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	6 SHEETS
5		

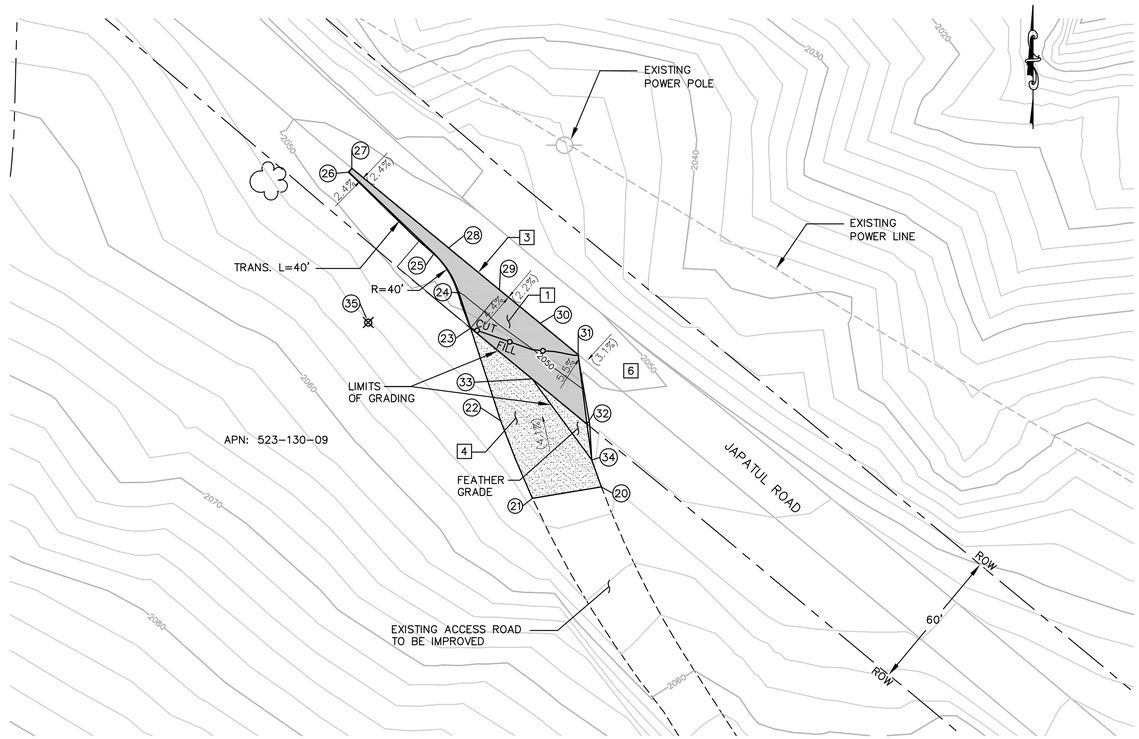
IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

ACCESS ROAD IMPROVEMENTS ON LYONS VALLEY ROAD PERMIT 8A-6 & 8A-7

ENGINEER OF WORK: STEPHEN K. SMITH R.C.E. 29708	CHECKED BY:	IMPROVEMENT PLAN NO.
	APPROVAL DATE:	
SPL-8A (LINK 2)	08A-DWY-05	

p:\16919 sdg&e spl\agency permit ilet\exhibits\cad\8a\plan\5-8a-6&7.dwg 7/1/2010 9:17 AM





ACCESS TO P09-1 (PERMIT 8A-8)

SCALE: 1"=30'

QUANTITIES:

- [1] PAVEMENT SECTION: 1,780 SF
- [2] STABILIZED ROCK: 1,590 SF
- [3] SAWCUT: 190 LF
- [6] TRAFFIC CONTROL: LS
  4" WHITE EDGE STRIPE: 200 LF
  OBJECT MARKER: 2 EA.

DISTURBED AREA:

ROAD: 4,425 SF

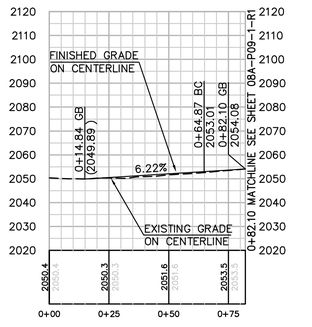
EARTHWORK QUANTITIES:

CUT: 15 CY
FILL: 113 CY
NET: 98 CY

LENGTH OF ACCESS ROAD 82 LF

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1863581.16	6418410.69	2047.46	FG
2	1863579.72	6418409.30	2047.42	EG
3	1863482.80	6418516.95	2050.76	EG
4	1863453.57	6418553.84	2051.30	EG
5	1863455.04	6418555.20	2051.34	FG
6	1863483.02	6418526.64	2050.99	FG
7	1863525.31	6418514.36	2052.80	FG
8	1863567.14	6418527.31	2054.28	FG
9	1863575.59	6418509.18	2053.88	FG
10	1863569.26	6418505.88	2053.52	FG
11	1863564.46	6418502.49	2053.20	EC/FG
12	1863557.49	6418443.43	2048.76	BC/EG
13	1863506.02	6418468.74	(2050.35)	CL
14	1863517.62	6418477.98	2049.89	CL
15	1863556.77	6418509.15	2053.01	CL
16	1863571.33	6418518.31	2054.08	CL

CENTERLINE DATA			
NUMBER	RADIUS	LENGTH	BEARING/DELTA ANGLE
L1		64.87	N38°31'13"E
C1	75.00	17.23	13°09'51"



PROFILE: ACCESS TO P09-1

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

ACCESS TO P10-2-P12-3 & PULLSITE (PERMIT 8A-9)

SCALE: 1"=30'

QUANTITIES:

- [1] PAVEMENT SECTION: 1,597 SF
- [3] SAWCUT: 123 LF
- [4] AGGREGATE BASE: 1,655 SF
- [6] TRAFFIC CONTROL: LS

EARTHWORK QUANTITIES:

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

DISTURBED AREA:

ROAD: 1,805 SF

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
20	1863241.24	6418714.24	(2052.88)	EG
21	1863236.51	6418685.30	(2053.47)	EG
22	1863268.97	6418672.04	(2052.57)	EG
23	1863307.83	6418659.36	(2050.40)	EG
24	1863322.61	6418654.54	2050.01	BC
25	1863339.14	6418644.12	2049.76	EC
26	1863373.24	6418608.37	2049.75	FG
27	1863374.79	6418609.64	(2049.71)	EG
28	1863341.41	6418650.17	(2049.58)	EG
29	1863323.83	6418671.52	(2049.52)	EG
30	1863309.84	6418688.50	(2049.46)	EG
31	1863296.71	6418704.45	(2049.42)	EG
32	1863267.58	6418708.24	2050.59	FG
33	1863286.56	6418685.19	(2050.50)	EG
34	1863252.62	6418710.19	(2051.68)	EG
35	1863310.20	6418616.51		RP

CONSTRUCTION NOTE:

- [1] CONSTRUCT 3" ASPHALT CONCRETE OVER 6" 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

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.

WITH REGARD ONLY TO THE WORK SHOWN ON THESE PLANS FOR THE SDG&E SUNRISE POWERLINK DRIVEWAY IMPROVEMENTS (ACCESS FROM JAPATUL ROAD) ON APN 523-130-09, 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

LEGAL DESCRIPTION

ASSESSORS PARCEL NO. 523-130-09

RECORD PLAN

NAME:

R.C.E.

DATE:

LEGAL DESCRIPTION

ASSESSORS PARCEL NO. 523-130-09

RECORD PLAN

NAME:

R.C.E.

DATE:

ENGINEER OF WORK

REGISTERED PROFESSIONAL ENGINEER STEPHEN K. SMITH RCE 29708 EXP. 12-31-11 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

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LOCATION: N 1804471.890 E 6582919.609
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PRIVATE CONTRACT

SHEET 6 | COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS | 6 SHEETS

IMPROVEMENT PLAN FOR: SDG&E SUNRISE POWERLINK

ACCESS ROAD IMPROVEMENTS ON JAPATUL ROAD PERMIT 8A-8 & 8A-9

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

SPL-8A (LINK 2) | 08A-DWY-06

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

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