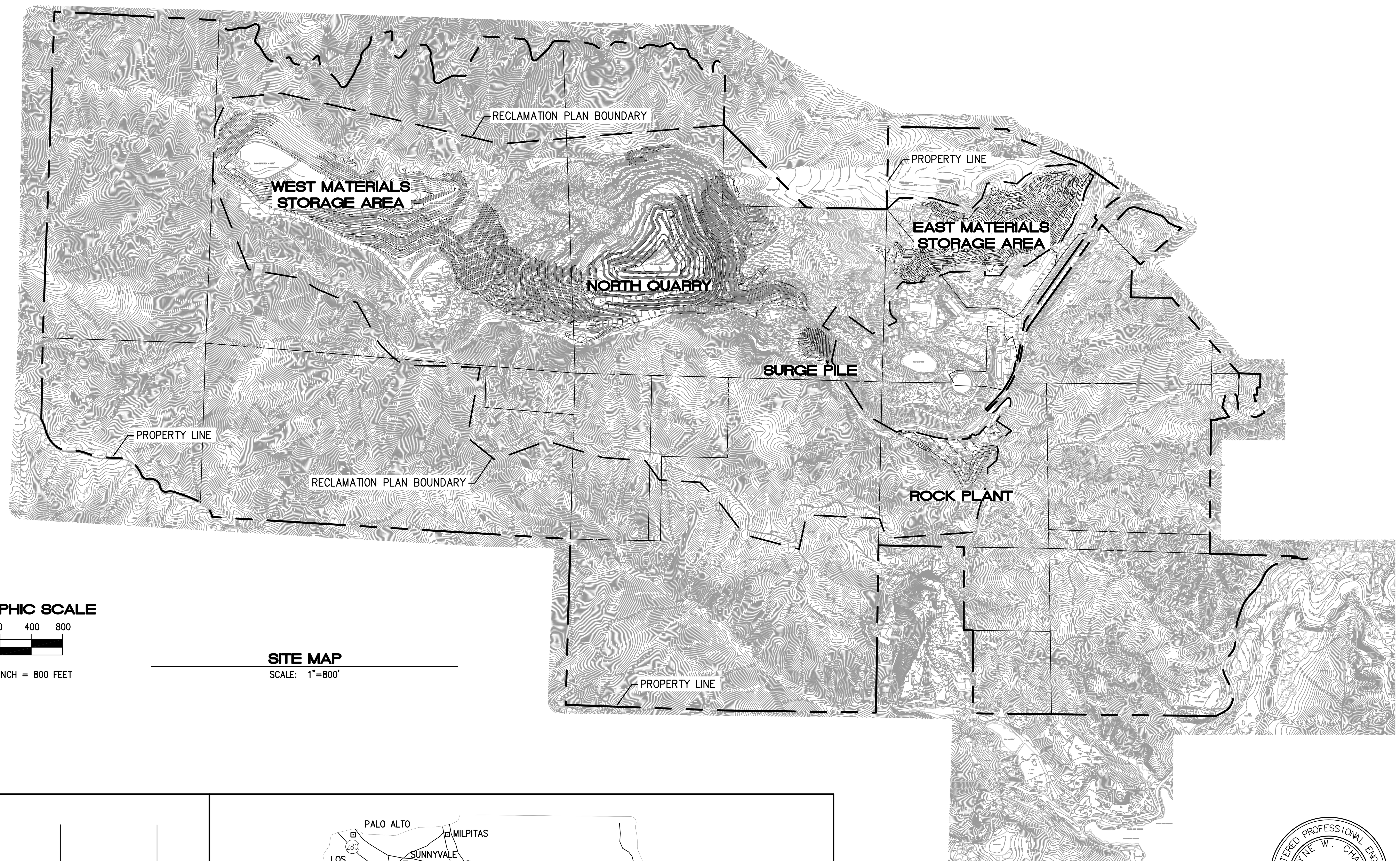
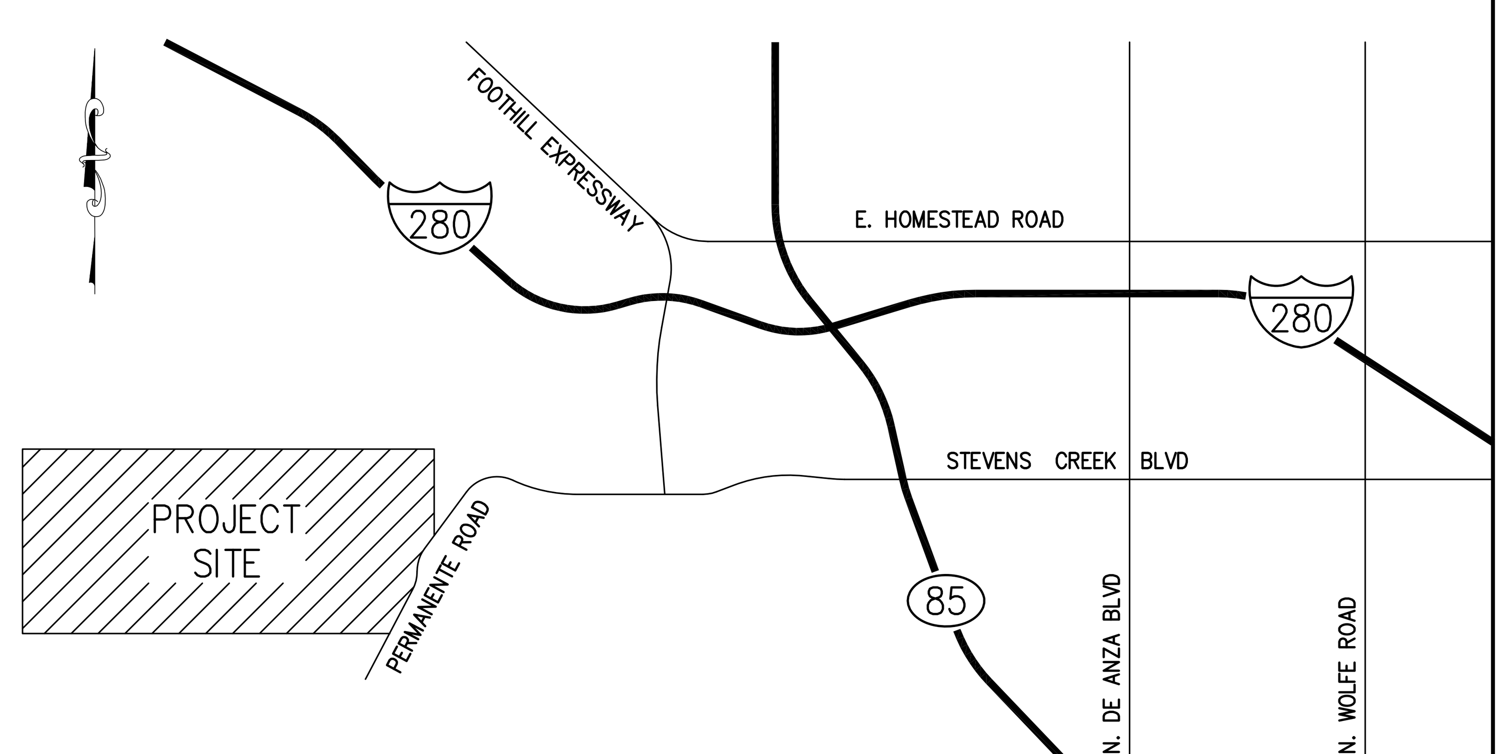
RECLAMATION PLAN FOR:
PERMANENTE QUARRY
NORTH QUARRY, EAST / WEST MATERIALS STORAGE AREAS, SURGE PILE, AND ROCK PLANT
SANTA CLARA COUNTY, CALIFORNIA

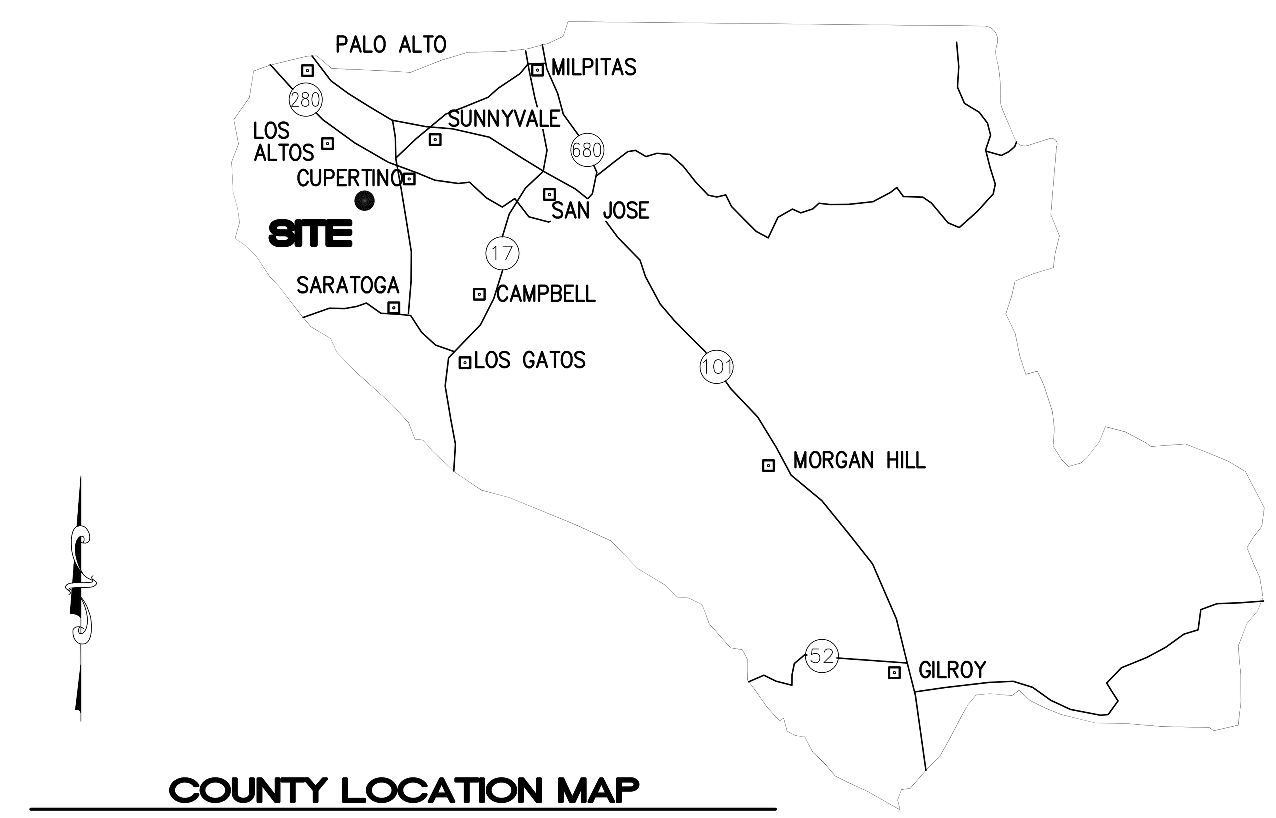


GRAPHIC SCALE
0 400 800
1 INCH = 800 FEET

SITE MAP
SCALE: 1"=800'



VICINITY MAP
NOT TO SCALE



COUNTY LOCATION MAP
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/13
CIVIL
STATE OF CALIFORNIA

ENGINEER OF WORK

12/12/2011

WAYNE W. CHANG, P.E. 46548 — DATE

CHANG CONSULTANTS
P.O. BOX 9496
RANCHO SANTA FE, CA 92067
(858) 692-0760

OPERATOR

NAME:	LEHIGH SOUTHWEST CEMENT COMPANY
ADDRESS:	24001 STEVENS CREEK BLVD CUPERTINO, CA 95014
TELEPHONE:	408-996-4000
SHORT LEGAL:	SEC 18 T7S R2W MDBM; W 1/4 & SE 1/4 SEC 17 T7S R2W MDBM
A.P.N.:	351-09-022; 351-10-005, 037, 038
SITE ADDRESS:	24001 STEVENS CREEK BLVD. CUPERTINO, CA 95014

SHEET INDEX

THE FIRST 13 SHEETS AFTER THIS COVER SHEET ARE FOR RECLAMATION OF THE NORTH QUARRY, WEST MATERIALS STORAGE AREA, SURGE PILE, AND ROCK PLANT.

THE NEXT 9 SHEETS ARE FOR RECLAMATION OF THE EAST MATERIALS STORAGE AREA.

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RECLAMATION PLAN FOR:
PERMANENTE QUARRY
NORTH QUARRY, EAST / WEST MATERIALS STORAGE AREAS, SURGE PILE, AND ROCK PLANT
COVER SHEET

REVISION 1		SHEET COVER OF 23 TOTAL
REVISION 2		
REVISION 3	CO. FILE	

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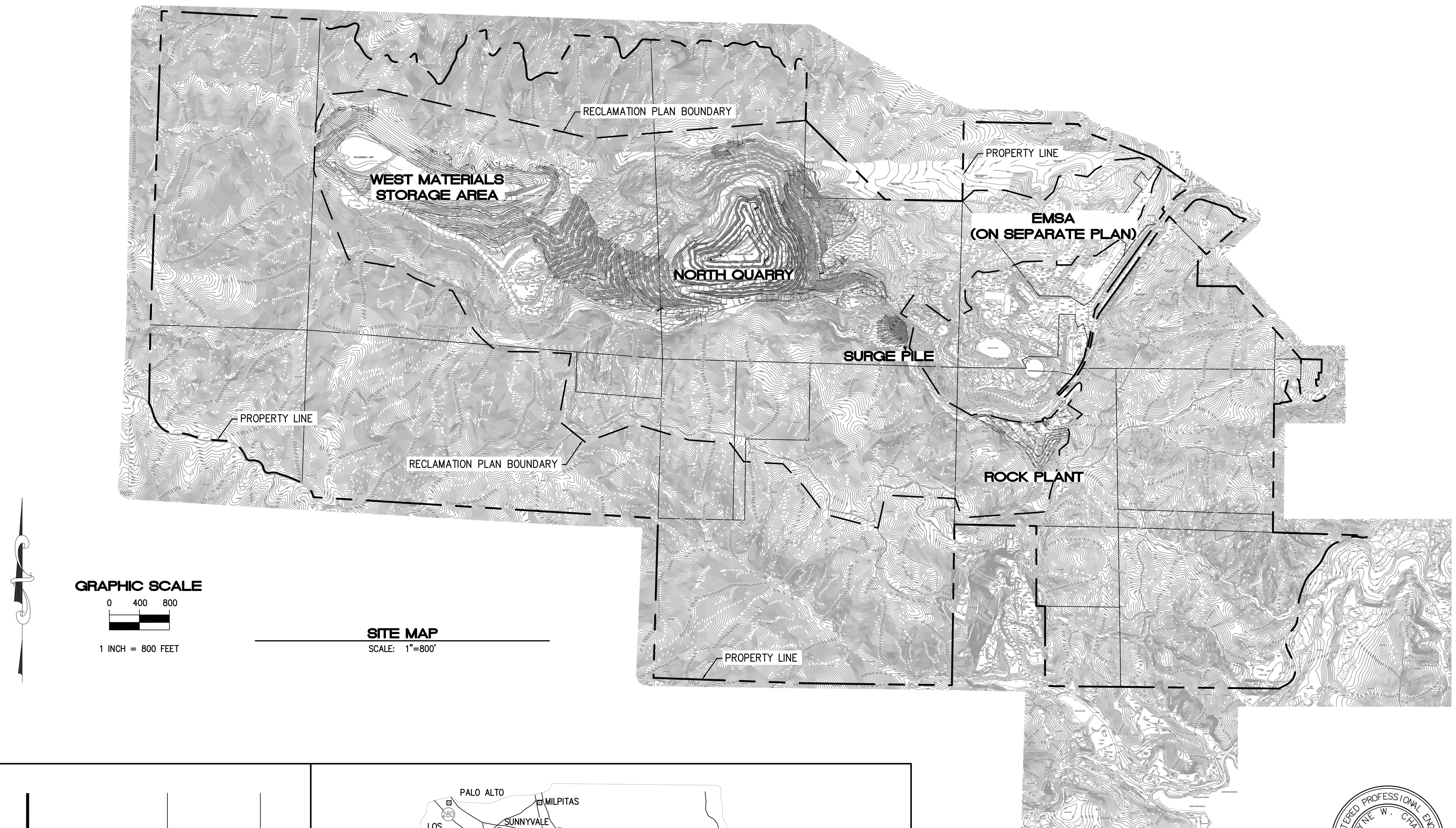
DECEMBER 12, 2011

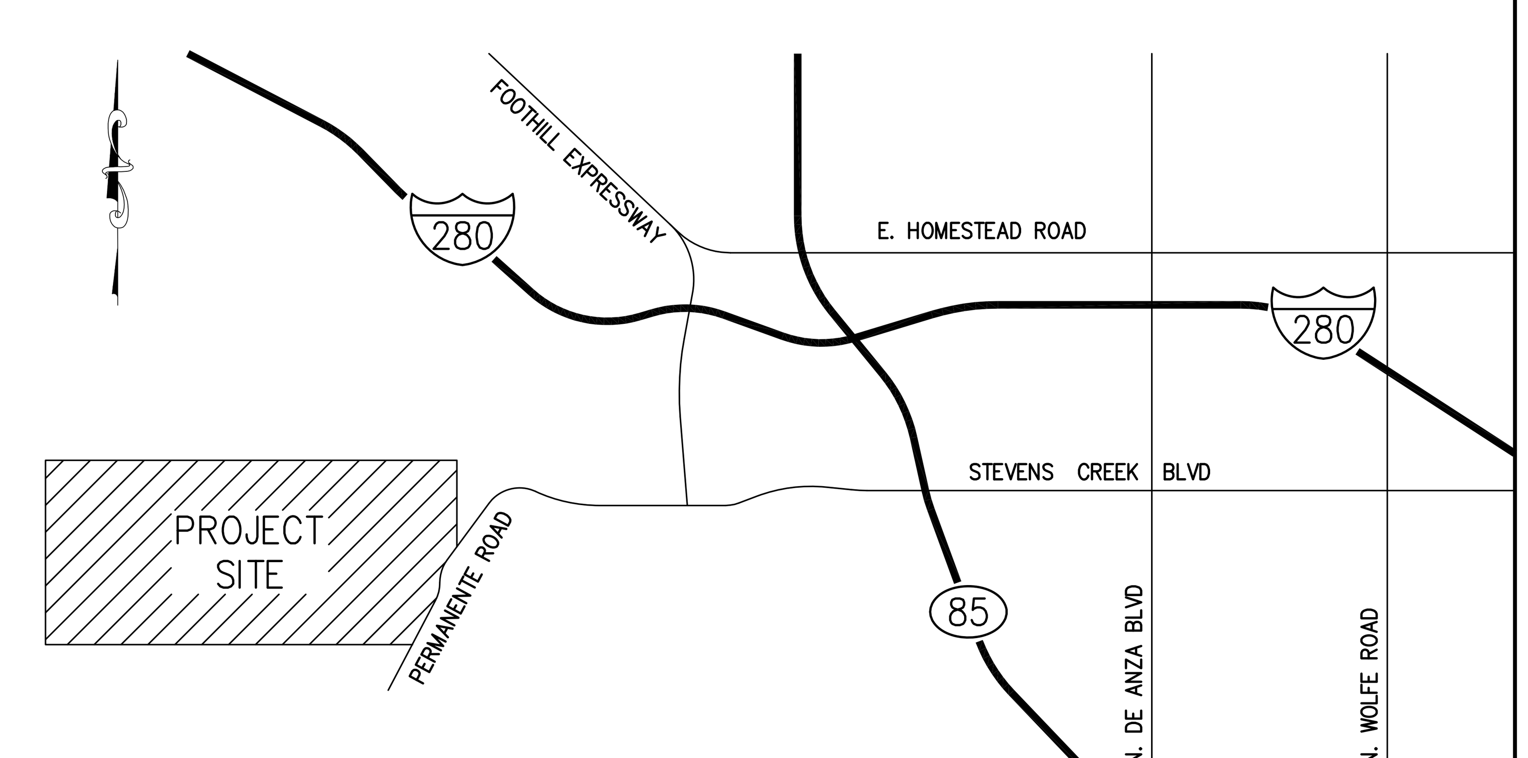
RECLAMATION PLAN FOR:

PERMANENTE QUARRY

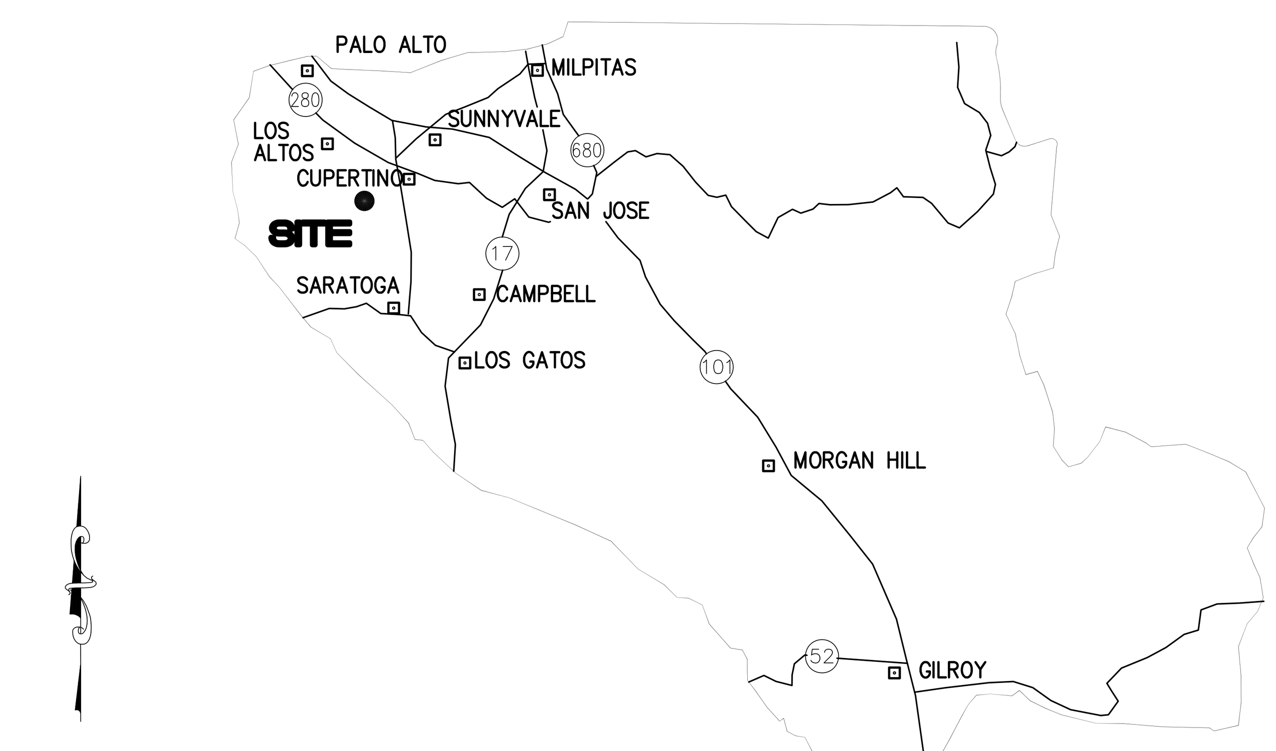
NORTH QUARRY, WEST MATERIALS STORAGE AREA, SURGE PILE, AND ROCK PLANT SANTA CLARA COUNTY, CALIFORNIA



SITE MAP
SCALE: 1"=800'



VICINITY MAP
NOT TO SCALE



COUNTY LOCATION MAP
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
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No. 46548
Exp. 6/30/13
CIVIL
STATE OF CALIFORNIA

ENGINEER OF WORK

12/12/2011

WAYNE W. CHANG, P.E. 46548 DATE

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SHEET INDEX

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RECLAMATION PLAN FOR:
PERMANENTE QUARRY
NORTH QUARRY, WEST MATERIALS STORAGE AREA, SURGE PILE, AND ROCK PLANT
TITLE SHEET

REVISION 1		SHEET 1 OF 13
REVISION 2		
REVISION 3	CO. FILE	

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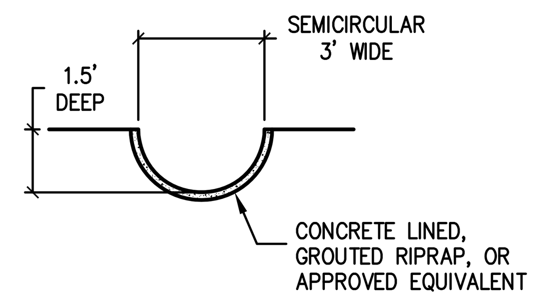
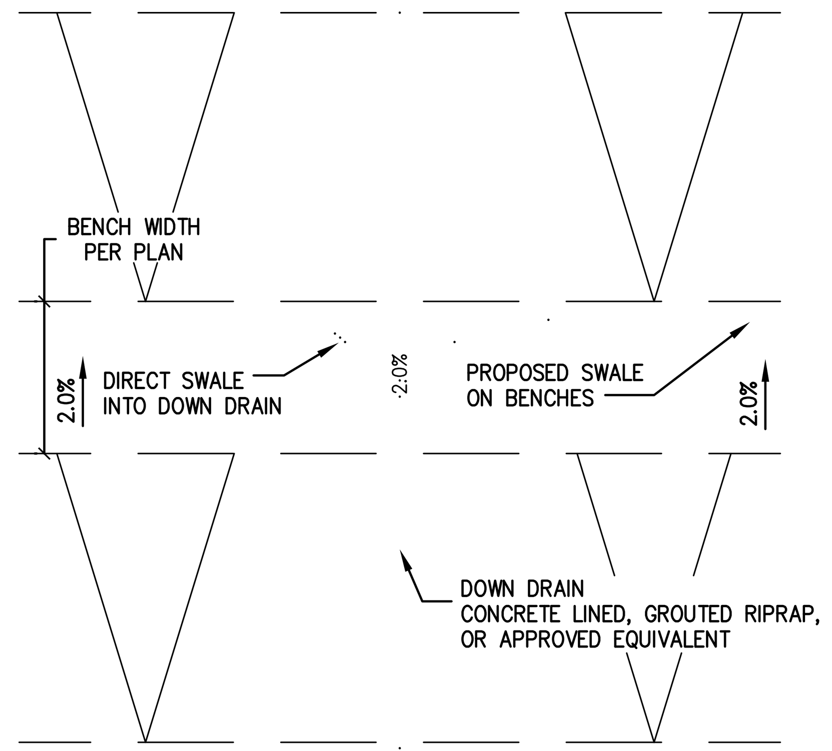
DECEMBER 12, 2011

TYPICAL DOWN DRAIN DETAIL



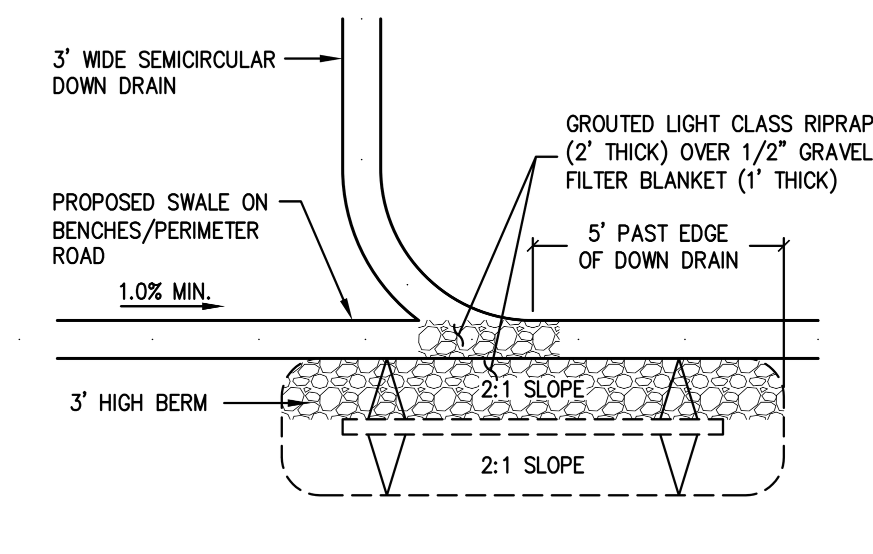
NOT TO SCALE

TYPICAL DOWN DRAIN AND BENCH DETAIL - PLAN VIEW



NOT TO SCALE

TYPICAL SPLASH WALL DETAIL

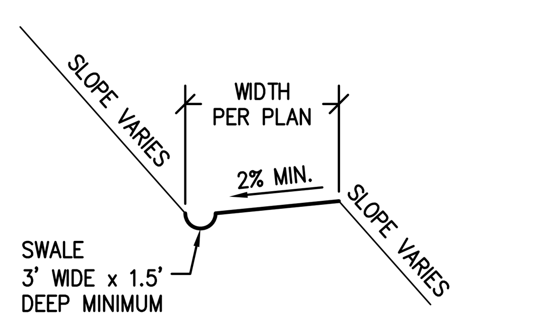


NOT TO SCALE

LEGEND

680	PROPOSED CONTOUR AND ELEVATION LABEL
680	EXISTING CONTOUR AND ELEVATION LABEL
	PROPERTY LINE
	RECLAMATION PLAN BOUNDARY
	PROPOSED TERRACE, WIDTH PER PLAN
	SLOPE CARROT
	PERIMETER DAYLIGHT LINE
	CONCRETE OR DG SWALE (DG TO BE MAINTAINED)
	GENERAL FLOW DIRECTION
	PROPOSED SWALE
40A	DESILT BASIN LABEL
	DESILTATION BASIN, STORM DRAIN RISERS, AND STORM DRAIN OUTLET PIPE
	EXISTING DESILTATION BASIN
	RIPRAP PAD, SIZE/TYPE PER PLAN

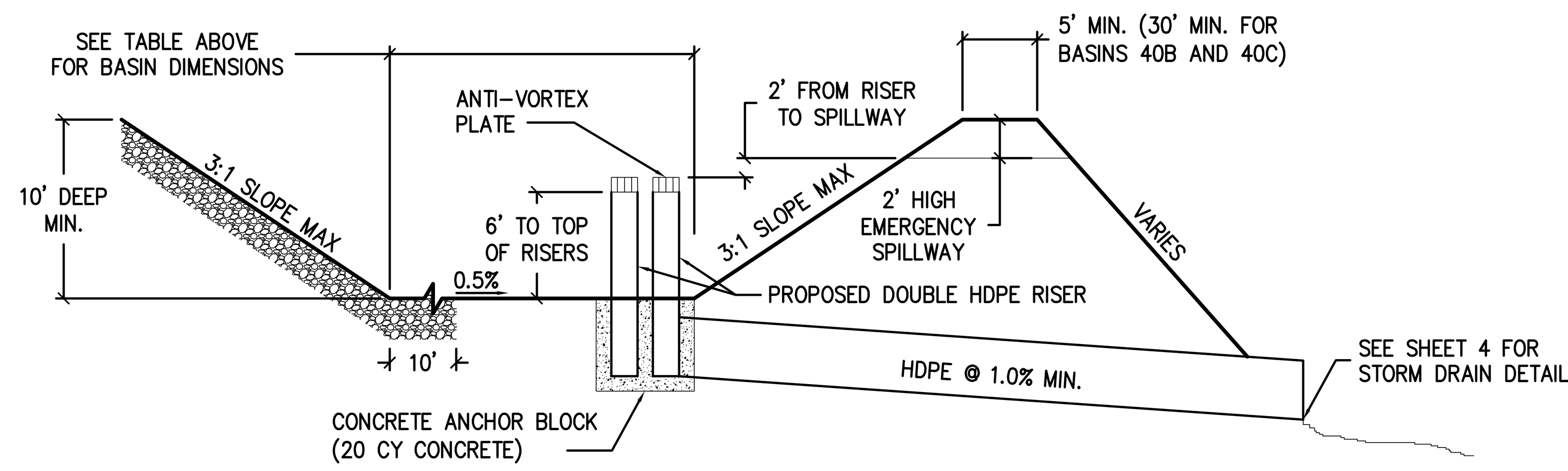
TYPICAL BENCH DETAIL



NOTES:
1. SWALES TO BE LINED (GRAVEL, RIPRAP, CONCRETE, ETC.) AS NEEDED TO PREVENT EROSION.
2. SWALES TO BE AT 1.0% MINIMUM SLOPE

NOT TO SCALE

TYPICAL DESILTATION BASIN DETAIL



NOTES:
1. CREATE 1" DIAMETER HOLES OR SLITS IN RISER TO PREVENT WATER FROM PONDING PERMANENTLY IN BASIN.
2. OUTLET PIPE DIAMETER PER GRADING PLAN. RISER DIAMETER TO MATCH OUTLET PIPE DIAMETER.
3. THE DEPTH OF BASIN 40I SHALL BE 5' MIN., NOT 10' MIN.
4. DESILTATION BASINS 40B AND 40C SHALL INCLUDE AN IMPERVIOUS LINING (CONCRETE OR OTHER APPROVED MATERIAL) TO PREVENT INFILTRATION FROM AFFECTING ADJACENT SLOPES.

NOT TO SCALE

PROPOSED DESILTATION BASIN SIZING

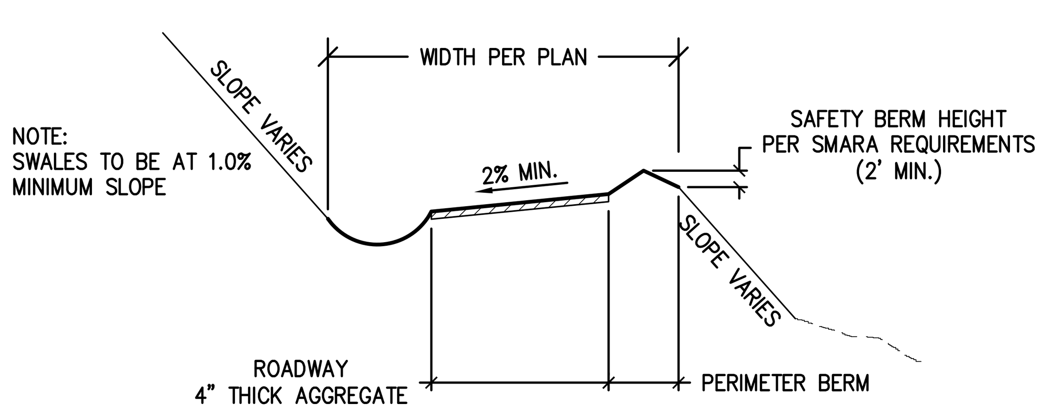
DESILTATION BASIN	BASIN FLOOR LENGTH	BASIN FLOOR WIDTH	STORAGE VOLUME, CF	MINIMUM OUTLET PIPE
40A	86'	43'	22,892	72" HDPE
40B	36'	18'	3,722	42" HDPE
40C	44'	22'	5,852	48" HDPE
40I	8'	16'	350	18" HDPE

NOTES:
1. CONTRACTOR SHALL INSTALL DESILTATION BASINS AT LOCATIONS SHOWN ON SHEETS 4, 7, AND 10. BASINS SHALL BE FIELD FIT WITH MINIMUM STORAGE VOLUMES AND OUTLET PIPES FROM TABLE.
2. BUFFER SHOULD BE PROVIDED AROUND THE DESILTATION BASINS TO ALLOW FUTURE EXPANSION OF THE STORAGE VOLUME IN THE EVENT THIS IS NEEDED TO CAPTURE THE UPSTREAM SEDIMENT RUNOFF.

GENERAL NOTES

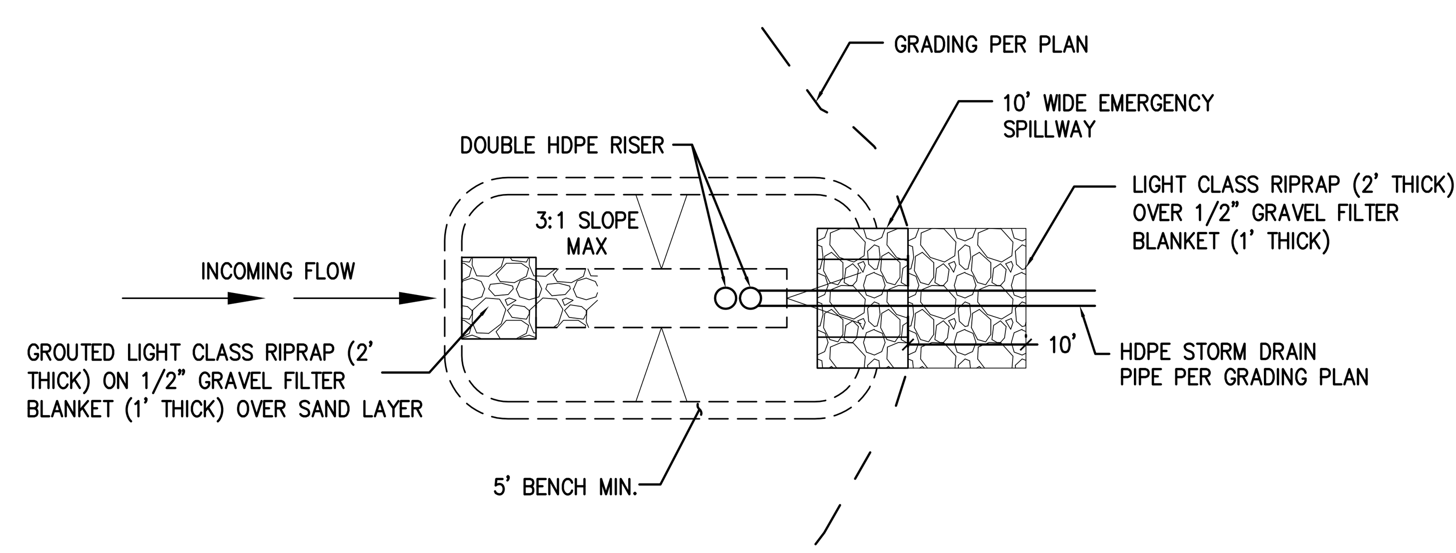
1. THE PROPOSED FACILITIES AND RECLAMATION GRADING SHOWN ON THESE PLANS ARE APPROXIMATE. THE ACTUAL SURFACE DISTURBANCE, GRADING AND DESILTATION BASIN LOCATIONS DURING EXCAVATION AND BACKFILL MAY VARY FROM THAT DEPICTED, ALTHOUGH THE TOTAL DISTURBED AND RECLAIMED ACREAGE SHOULD BE SIMILAR. WHILE THIS PLAN REFLECTS THE BEST AVAILABLE DATA, THE EXCAVATION AND BACKFILL MAY VARY DUE TO ACTUAL GEOLOGICAL CONDITIONS ENCOUNTERED, ENGINEERING, PHASING, AND OTHER CONSIDERATIONS.
2. ROCKS USED FOR DESILTATION BASINS, DITCHES, CHEVRONS, AND BMPs TO BE NON-LIMESTONE ROCK.
3. THE BASE TOPOGRAPHIC MAPPING USED IS A COMBINATION OF FLOWN AERIAL TOPOGRAPHY FROM 2007, 2008, AND FIELD SURVEY IN COMPLETED IN 2009. THE 2007 TOPOGRAPHIC MAPPING IS AT A 2-FOOT CONTOUR INTERVAL AND THE 2008 TOPOGRAPHIC MAPPING IS AT A 10-FOOT CONTOUR INTERVAL. THE ACCURACY IS ONE-HALF THE CONTOUR INTERVAL.

TYPICAL ACCESS ROAD DETAIL



NOT TO SCALE

TYPICAL DESILTATION BASIN DETAIL - PLAN VIEW



NOT TO SCALE

EXISTING SEDIMENT CONTROL BMP SIZING

SEDIMENT CONTROL BMP	APPROX. STORAGE VOLUME, CF
A	2,160,000
B	17,550
C	206,000
D	101,250
E	37,300
F	54,000

NOTES:
THESE BMPS ARE EXISTING NATURAL BASINS THAT CAPTURE SEDIMENT FROM THE WMSA.

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SHEET INDEX

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RECLAMATION PLAN FOR: PERMANENTE QUARRY

NORTH QUARRY, WEST MATERIALS STORAGE AREA, SURGE PILE, AND ROCK PLANT LEGEND AND DETAILS

REVISION 1		SHEET 2 OF 13
REVISION 2		
REVISION 3	CO. FILE	

DECEMBER 12, 2011

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CONSTRUCTION NOTE:

(1) 10'x12' PAD, GROUTED LIGHT CLASS RIPRAP (2' THICK) ON 1/2" GRAVEL FILTER BLANKET (1' THICK) OVER SAND LAYER

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0 100 200 400
SCALE: 1" = 200'

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RECLAMATION PLAN FOR: PERMANENTE QUARRY

WEST MATERIALS STORAGE AREA PHASE 1

REVISION 1		SHEET 3 OF 13
REVISION 2		
REVISION 3	CO. FILE	

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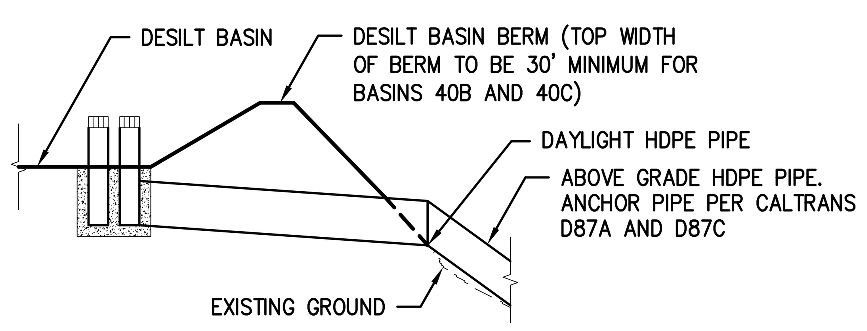

STORM DRAIN DETAIL

NOT TO SCALE

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STATE OF CALIFORNIA

0 100 200 400

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RECLAMATION PLAN FOR: PERMANENTE QUARRY

WEST MATERIALS STORAGE AREA PHASE 2

REVISION 1		SHEET 4 OF 13
REVISION 2		
REVISION 3	CO. FILE	

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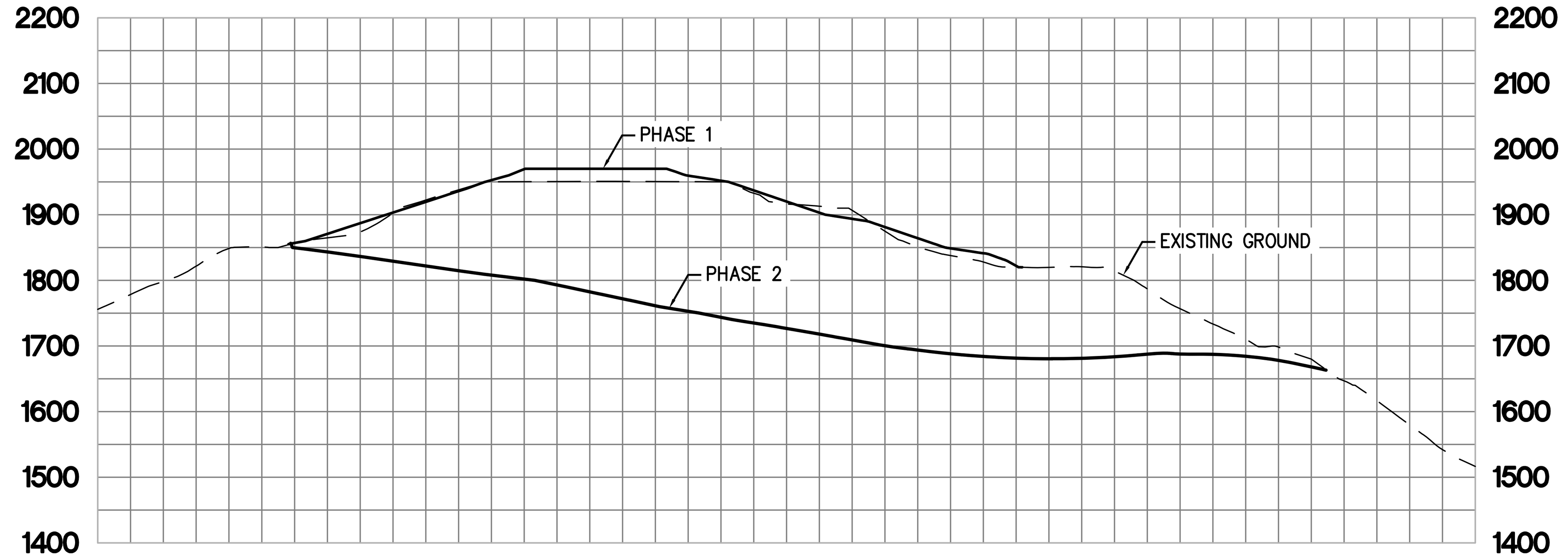
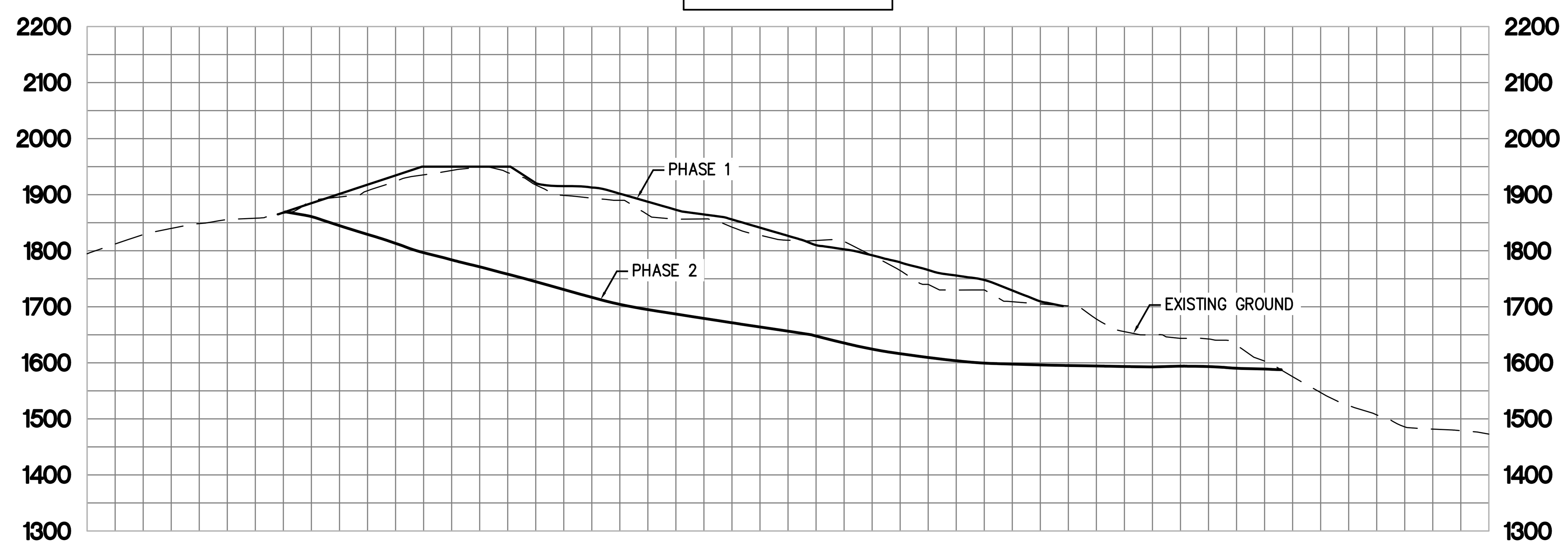
DECEMBER 12, 2011

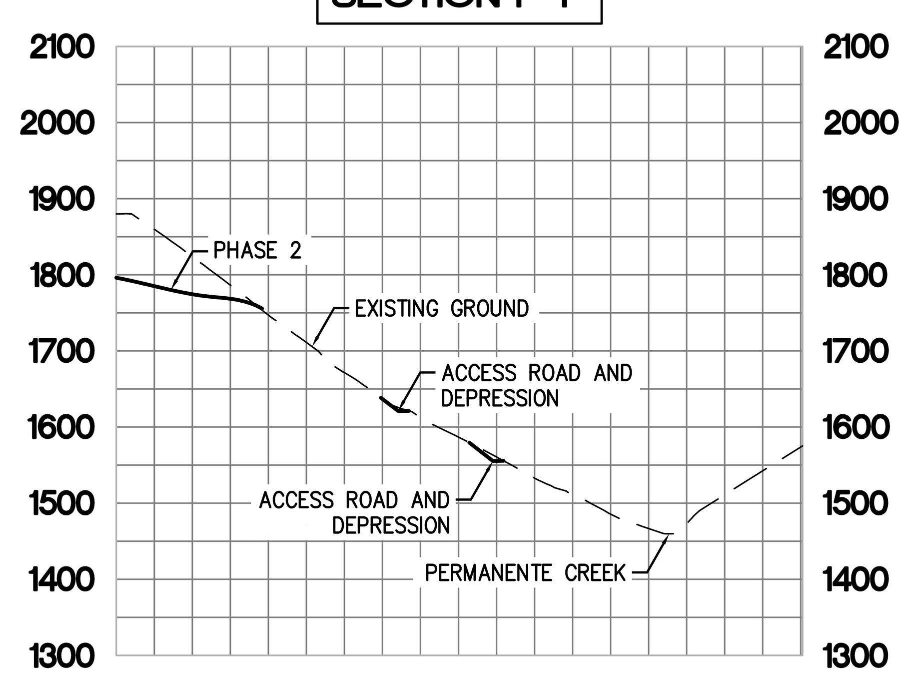
SECTION A-A

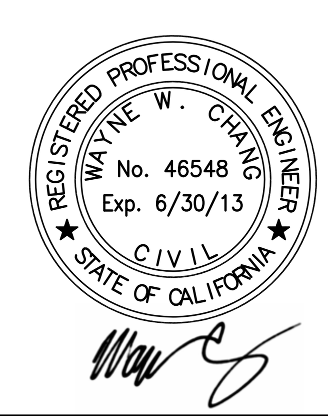


SECTION B-B



SECTION F-F





0 100 200 400
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RECLAMATION PLAN FOR: PERMANENTE QUARRY

WEST MATERIALS STORAGE AREA CROSS-SECTIONS

REVISION 1		SHEET 5 OF 13
REVISION 2		
REVISION 3	CO. FILE	

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RECLAMATION PLAN FOR: PERMANENTE QUARRY

NORTH QUARRY PHASE 1

REVISION 1		SHEET 6 OF 13
REVISION 2		
REVISION 3	CO. FILE	

DECEMBER 12, 2011

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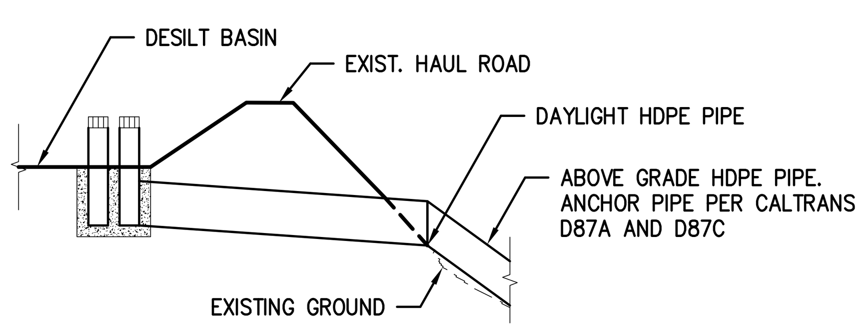
NOTES:
1. SEE SHEET 2 FOR DESILTATION BASIN DETAILS AND SIZING.
2. STORM DRAIN OUTLET SHALL BE ADJUSTED IN THE FIELD TO AVOID DISCHARGING ONTO AN UNSTABLE WASTE ROCK SLOPE SUBJECT TO GEOTECHNICAL CONSULTANT APPROVAL.
3. SEE STORM DRAIN DETAIL BELOW.



STORM DRAIN DETAIL
NOT TO SCALE

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RECLAMATION PLAN FOR: PERMANENTE QUARRY

NORTH QUARRY PHASE 2

REVISION 1		SHEET 7 OF 13
REVISION 2		
REVISION 3	CO. FILE	

DECEMBER 12, 2011

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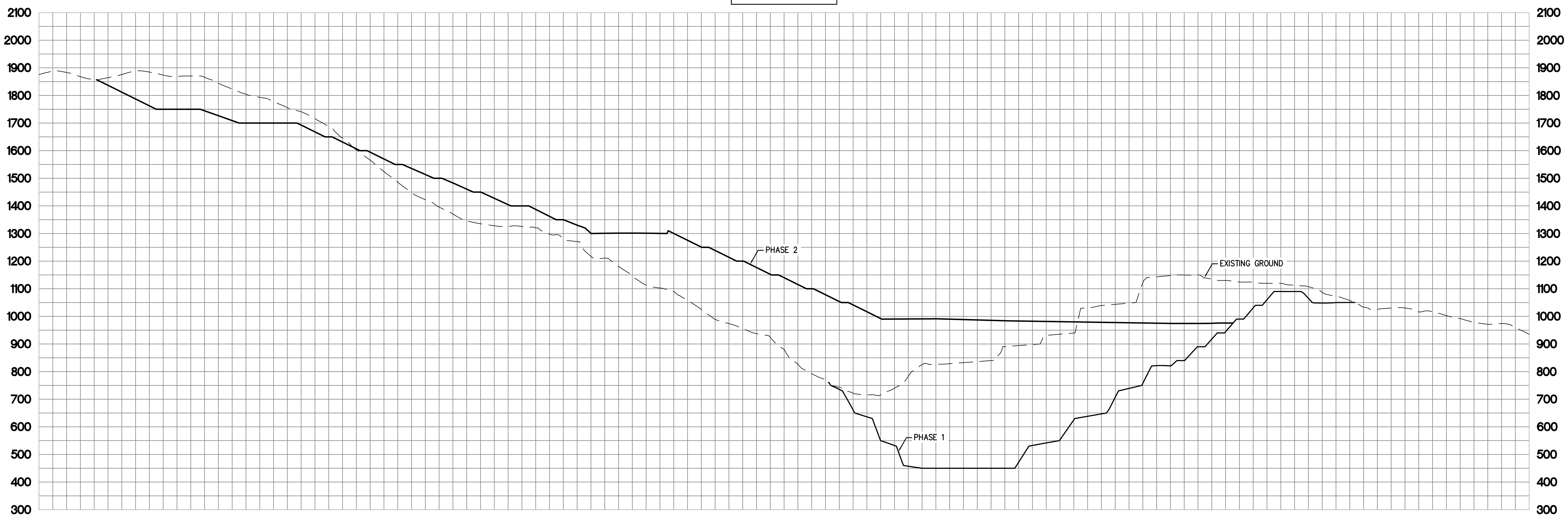
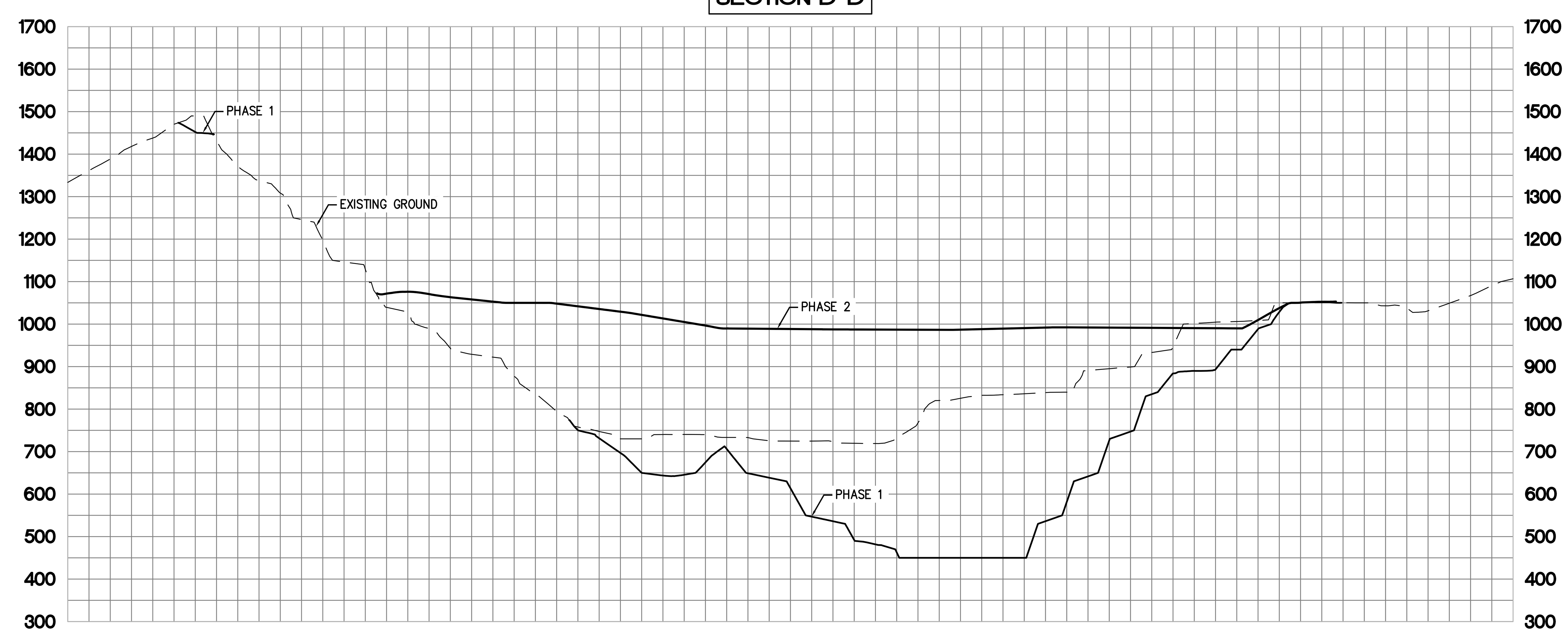
SECTION C-C



SECTION D-D



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RECLAMATION PLAN FOR: PERMANENTE QUARRY

NORTH QUARRY CROSS-SECTIONS

REVISION 1		SHEET 8 OF 13
REVISION 2		
REVISION 3	CO. FILE	

DECEMBER 12, 2011

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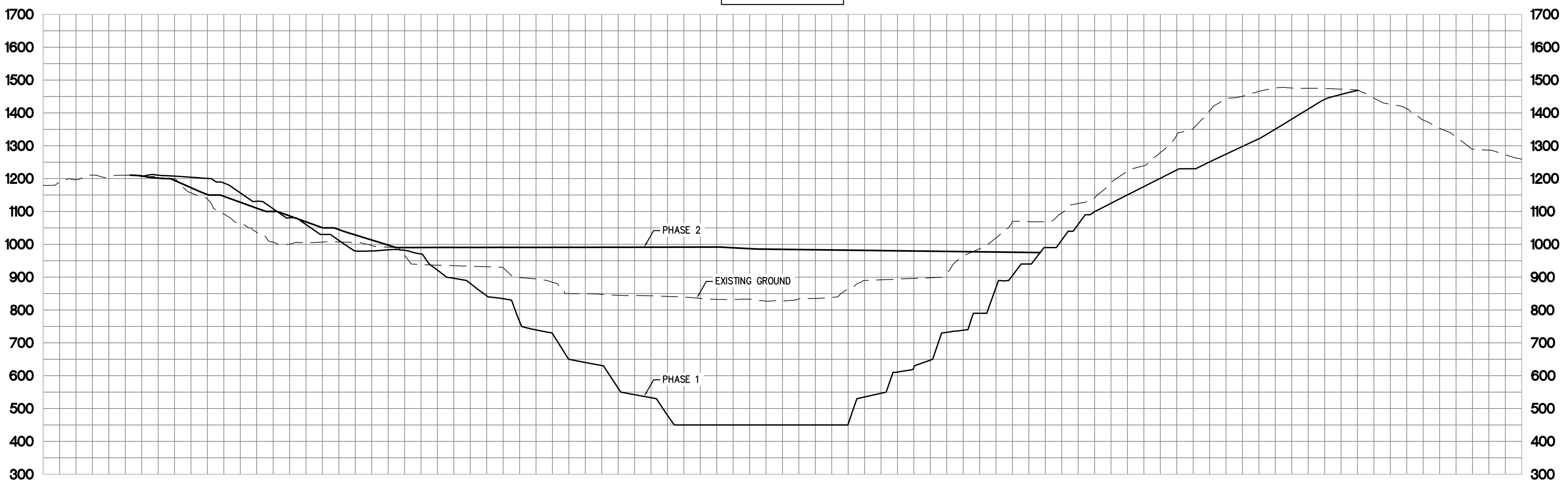
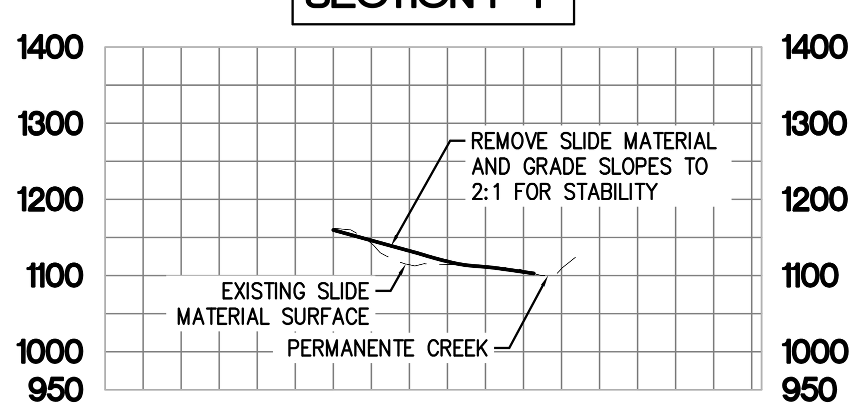
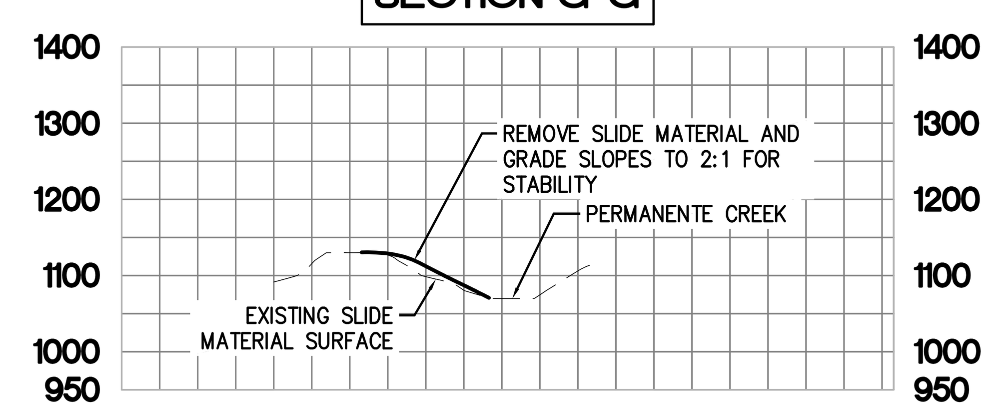
SECTION E-E

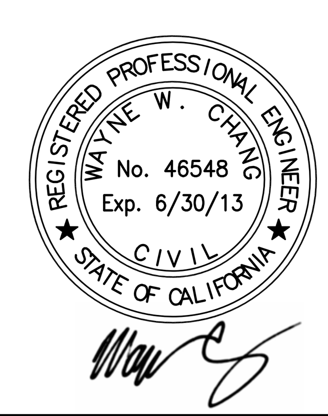


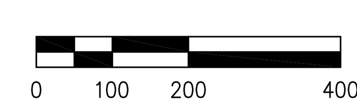
SECTION F-F



SECTION G-G







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RECLAMATION PLAN FOR: PERMANENTE QUARRY

NORTH QUARRY CROSS-SECTIONS

REVISION 1		SHEET 9 OF 13
REVISION 2		
REVISION 3	CO. FILE	

DECEMBER 12, 2011

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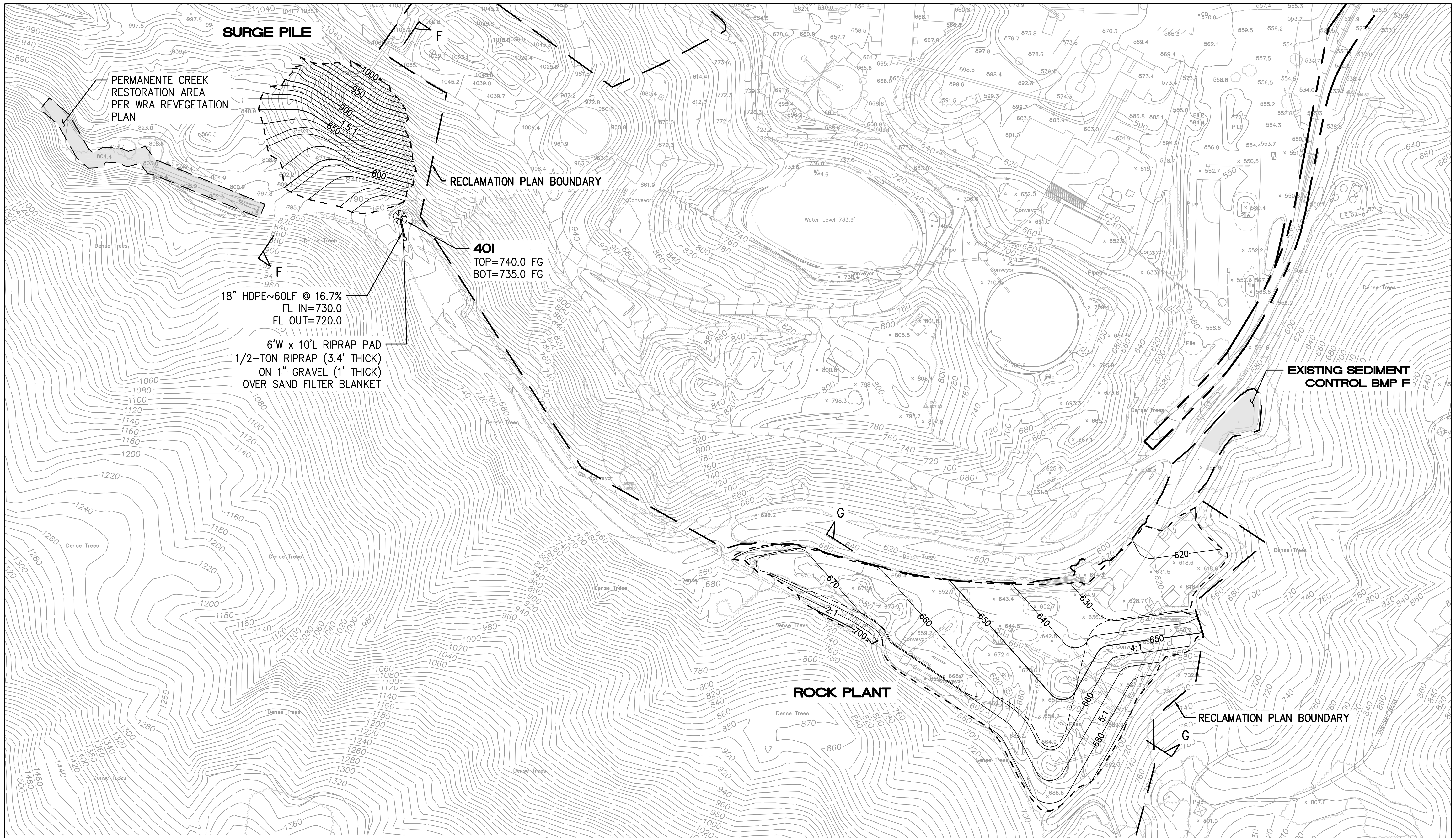
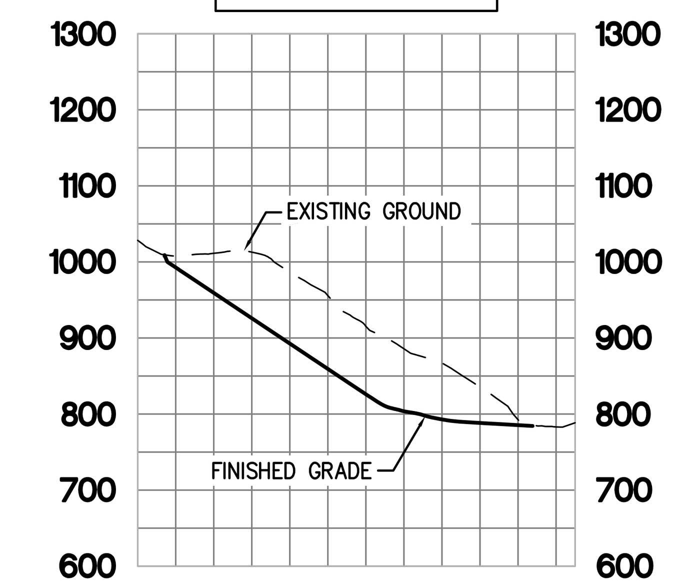
858.692.0760

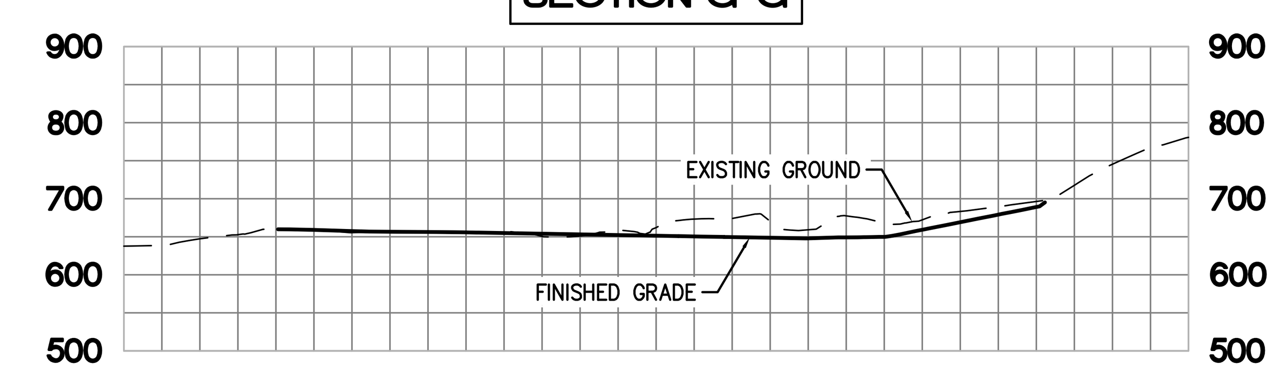


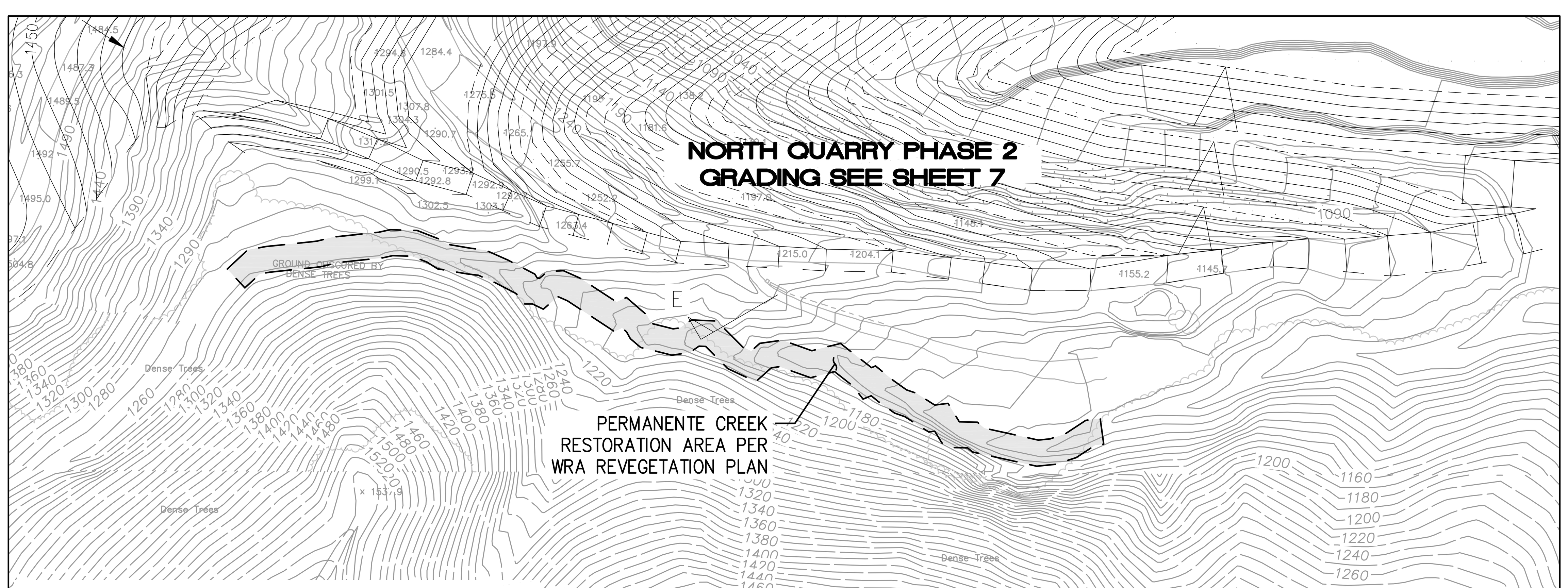
ROCK PLANT, SURGE PILE, AND EAST PHASE 3 RESTORATION AREA

SECTION F-F



SECTION G-G





WEST PHASE 3 RESTORATION AREA

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/13
CIVIL
STATE OF CALIFORNIA

0 100 200 400

SCALE: 1" = 200'

OPERATOR

NAME:	LEHIGH SOUTHWEST CEMENT COMPANY
ADDRESS:	24001 STEVENS CREEK BLVD CUPERTINO, CA 95014
TELEPHONE:	408-996-4000
SHORT LEGAL:	SEC 18 T7S R2W MDBM; W 1/4 & SE 1/4 SEC 17 T7S R2W MDBM
A.P.N.:	351-09-022; 351-10-005, 037, 038
SITE ADDRESS:	24001 STEVENS CREEK BLVD. CUPERTINO, CA 95014

SHEET INDEX

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RECLAMATION PLAN FOR: PERMANENTE QUARRY

SURGE PILE AND ROCK PLANT PHASE 3 PLAN AND CROSS-SECTIONS AND RESTORATION AREAS

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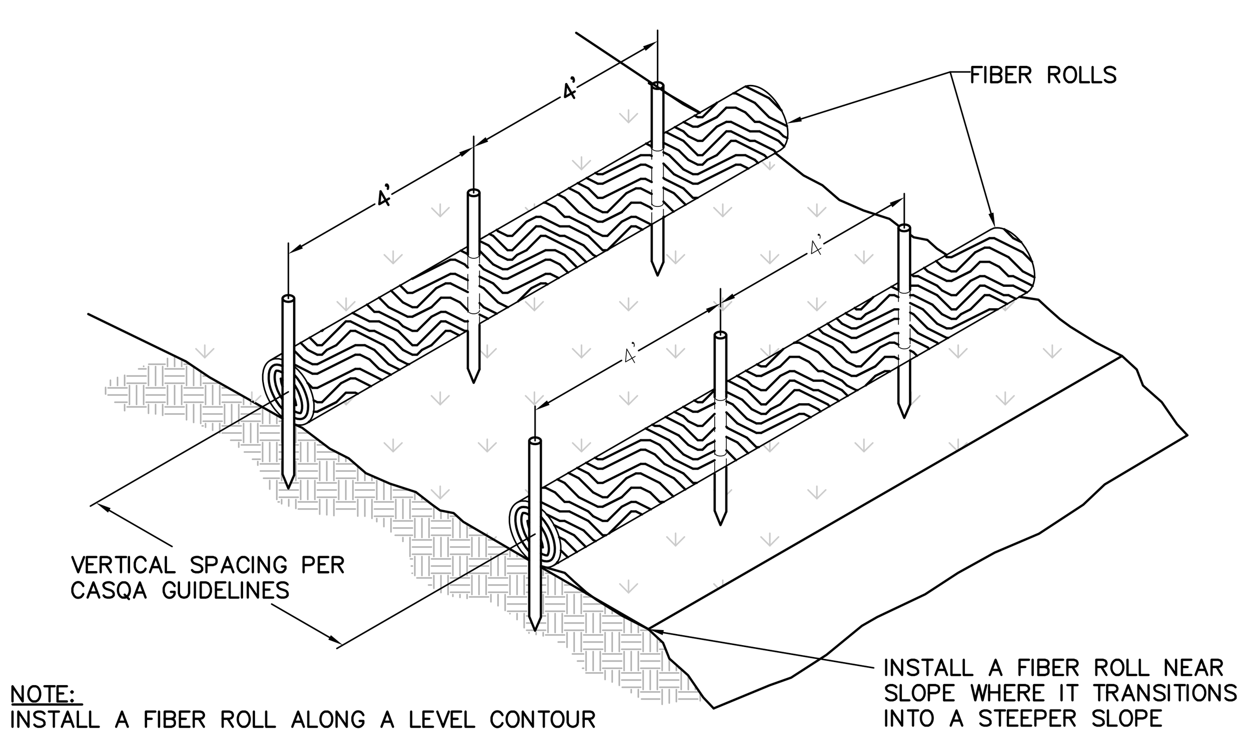
DECEMBER 12, 2011

CHANG CONSULTANTS 858.692.0760

TYPICAL FIBER ROLL SPACING

SLOPE	MAX. VERTICAL SPACING
< 4:1	20 FT *
2:1 TO 4:1	15 FT *
> 2:1	10 FT *

* OR PER APPROVED CRITERIA

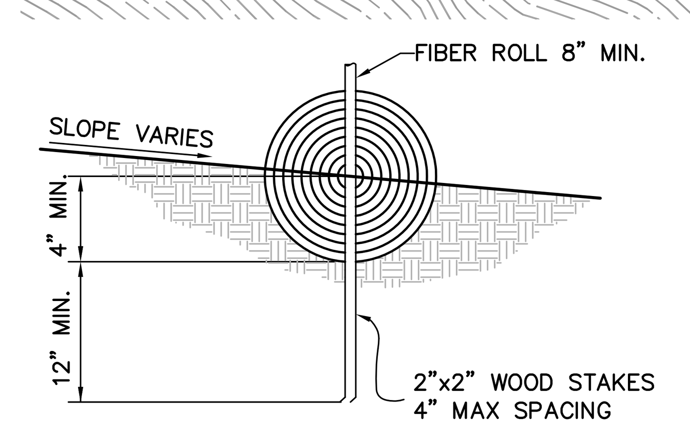


NOTE:
INSTALL A FIBER ROLL ALONG A LEVEL CONTOUR

TYPICAL FIBER ROLL INSTALLATION

NOT TO SCALE

SEE SHEET 13 FOR EROSION CONTROL NOTES AND DETAILS



TYPICAL FIBER ROLL SECTION

NOT TO SCALE

NOTES:

1. FIBER ROLLS TO BE INSTALLED ON THE WMSA SLOPES (THESE ARE THE SLOPES WEST OF THE TERRACED SLOPES) IN ACCORDANCE WITH CASQA REGULATIONS.
2. BMPS SHALL BE INSTALLED TO PREVENT EROSION ON ALL UNVEGETATED FILL SLOPES BETWEEN PERMANENTE CREEK AND THE WMSA HAUL ROAD IN SUBAREAS 1 AND 2.
3. ALL EROSION CONTROL MEASURES SHOWN ON THIS SHEET MAY BE REVISED IN ACCORDANCE WITH THE APPROVED SWPPP.

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/13
CIVIL
STATE OF CALIFORNIA

0 100 200 400
SCALE: 1" = 200'

OPERATOR

NAME:	LEHIGH SOUTHWEST CEMENT COMPANY
ADDRESS:	24001 STEVENS CREEK BLVD CUPERTINO, CA 95014
TELEPHONE:	408-996-4000
SHORT LEGAL:	SEC 18 T7S R2W MDBM; W 1/4 & SE 1/4 SEC 17 T7S R2W MDBM
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RECLAMATION PLAN FOR: PERMANENTE QUARRY

WEST MATERIALS STORAGE AREA EROSION CONTROL PLAN

REVISION 1		SHEET 11 OF 13
REVISION 2		
REVISION 3	CO. FILE	

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858.692.0760

DECEMBER 12, 2011

SEE SHEET 13 FOR EROSION
CONTROL NOTES AND DETAILS

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/13
CIVIL
STATE OF CALIFORNIA

0 100 200 400
SCALE: 1" = 200'

OPERATOR

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RECLAMATION PLAN FOR: PERMANENTE QUARRY

NORTH QUARRY EROSION CONTROL PLAN

REVISION 1		SHEET 12 OF 13
REVISION 2		
REVISION 3	CO. FILE	

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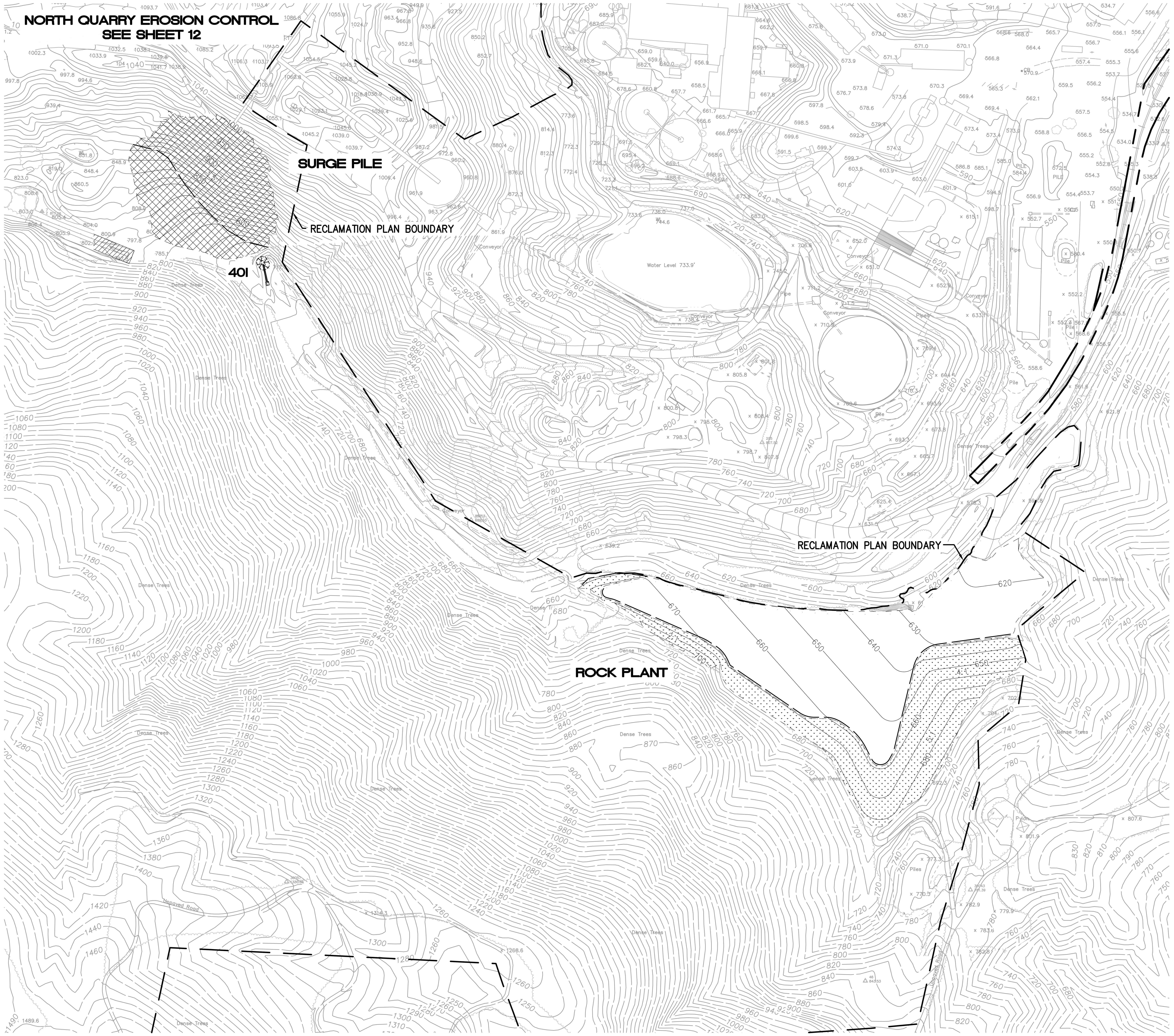


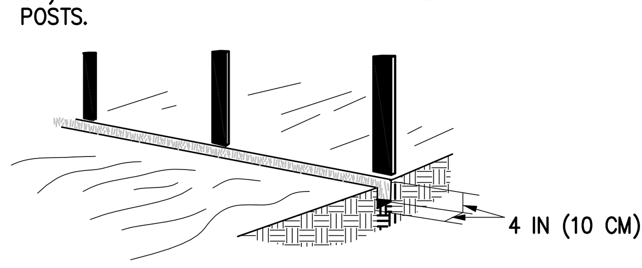
EROSION CONTROL LEGEND

(symbol)	PROPOSED CONTOUR AND ELEVATION LABEL
(symbol)	EXISTING CONTOUR AND ELEVATION LABEL
(symbol)	PERIMETER SILT FENCING PER DETAIL ON THIS SHEET
(symbol)	LANDLOK 450 TURF REINFORCEMENT MAT (20' WIDE MIN.) OR APPROVED EQUIVALENT
(symbol)	HYDROSEED / MULCH
(symbol)	HYDROSEED / MULCH WITH SOIL BINDER OR MATTING
(symbol)	HYROSEED PER WRA REVEGETATION PLAN. STRAW WADDLES TO BE INSTALLED ON HYDROSEEDED SLOPES AT 10 FOOT MAXIMUM SPACING INTERVAL, OR PER APPROVED CRITERIA. NO HYDROSEEDING TO OCCUR WITHIN ORDINARY HIGH WATER

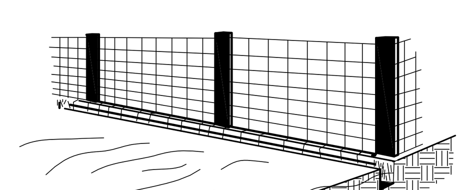
EROSION CONTROL NOTES

1. ALL EXPOSED AND DISTURBED AREAS MUST BE SEEDED OR PLANTED AS PER SPECIFICATIONS BY WRA, INC.
2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
3. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
4. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS, E.G. SACKED CONCRETE RIP-RAP. ENERGY DISSIPATERS SHALL BE INSTALLED AT ALL DITCH OUTFALLS. WHERE OUTFALLS ARE NOT INTO AN EXISTING CREEK OR WATER COURSE, RUNOFF SHALL BE RELEASED TO SHEET FLOW.
5. A QUALIFIED SWPPP DEVELOPER AND/OR QUALIFIED SWPPP PREPARER SHALL REVIEW EACH GRADING PHASE PRIOR TO AND DURING THE COURSE OF CONSTRUCTION. THE REVIEW SHALL IDENTIFY ANY NEED FOR ADDITIONAL BEST MANAGEMENT PRACTICES THAT MUST BE IMPLEMENTED TO MEET APPLICABLE WATER QUALITY REGULATIONS. THE BEST MANAGEMENT PRACTICES SHALL BE INSTALLED BASED ON QSD/QSP RECOMMENDATIONS.
6. ROCKS USED FOR DESILTATION BASINS, DITCHES, CHEVRONS, AND BMPs TO BE NON-LIMESTONE ROCK.
7. BMPS SHALL BE INSTALLED TO PREVENT EROSION ON ALL UNVEGETATED FILL SLOPES BETWEEN PERMANENTE CREEK AND THE WMSA HAUL ROAD IN SUBAREAS 1 AND 2.

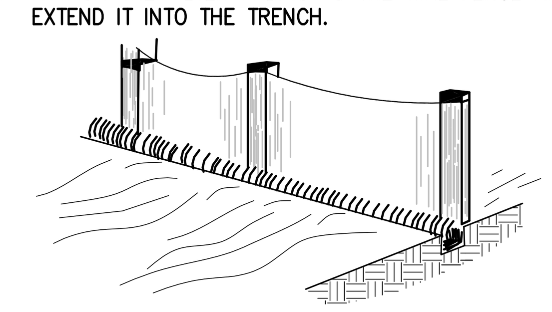
1. SET POSTS AND EXCAVATE A 4 BY 4 IN (10 BY 10 CM) TRENCH UPSLOPE FROM AND ALONG THE LINE OF POSTS.



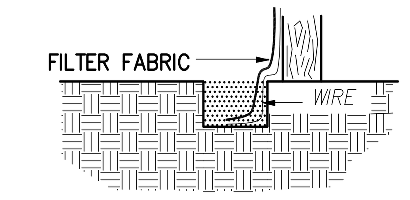
2. STAPLE FABRIC FENCING TO THE POSTS.



3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.

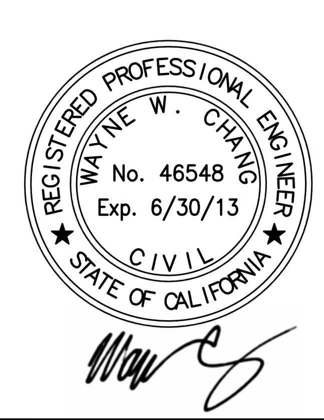


4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



DETAIL: SILT FENCE

NOT TO SCALE



0 100 200 400

SCALE: 1" = 200'

OPERATOR

NAME:	LEHIGH SOUTHWEST CEMENT COMPANY
ADDRESS:	24001 STEVENS CREEK BLVD CUPERTINO, CA 95014
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SHEET INDEX

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RECLAMATION PLAN FOR: PERMANENTE QUARRY

SURGE PILE AND ROCK PLANT - PHASE 3 EROSION CONTROL PLAN, EROSION CONTROL NOTES, AND DETAILS

REVISION 1		SHEET 13 OF 13
REVISION 2		
REVISION 3	CO. FILE	

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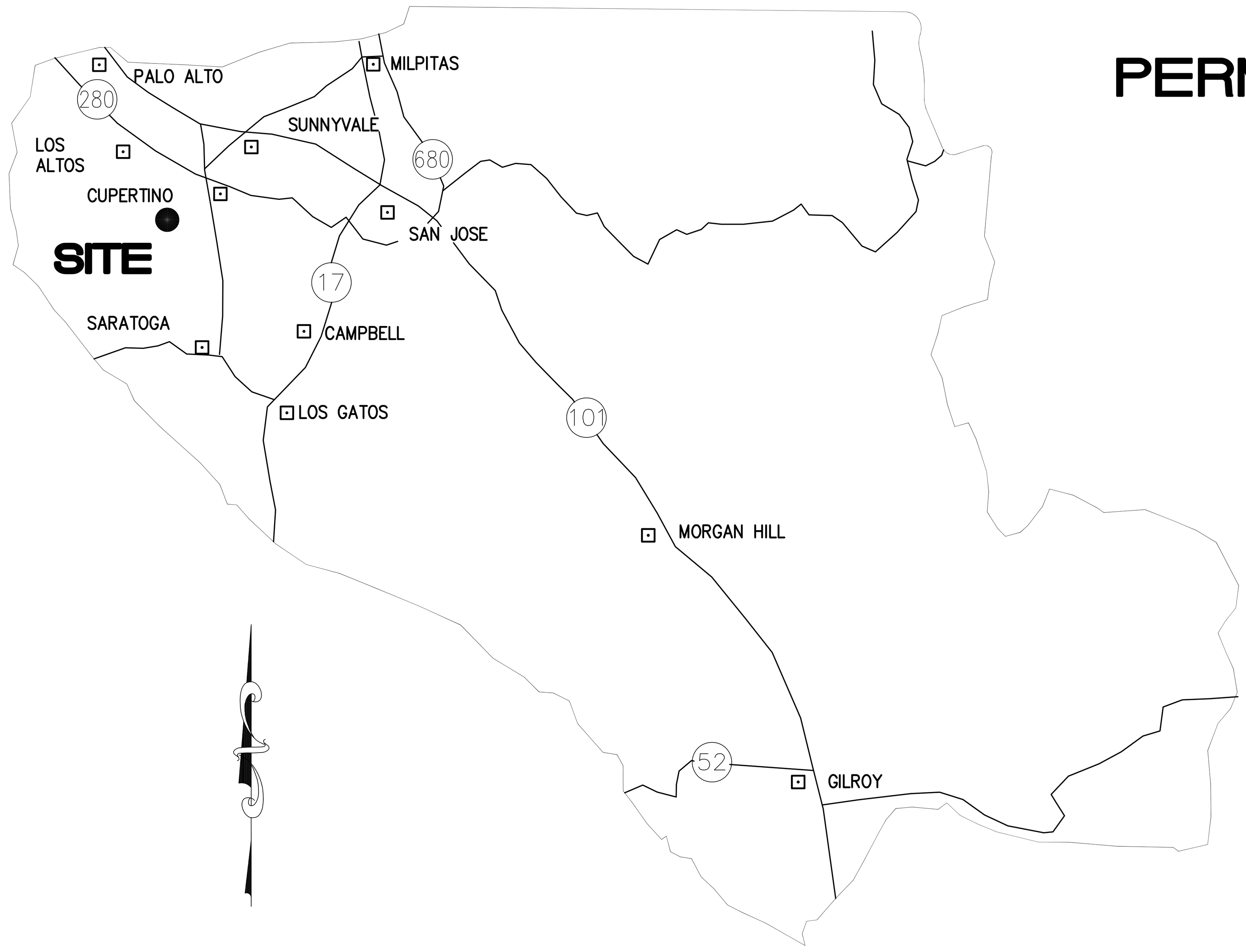
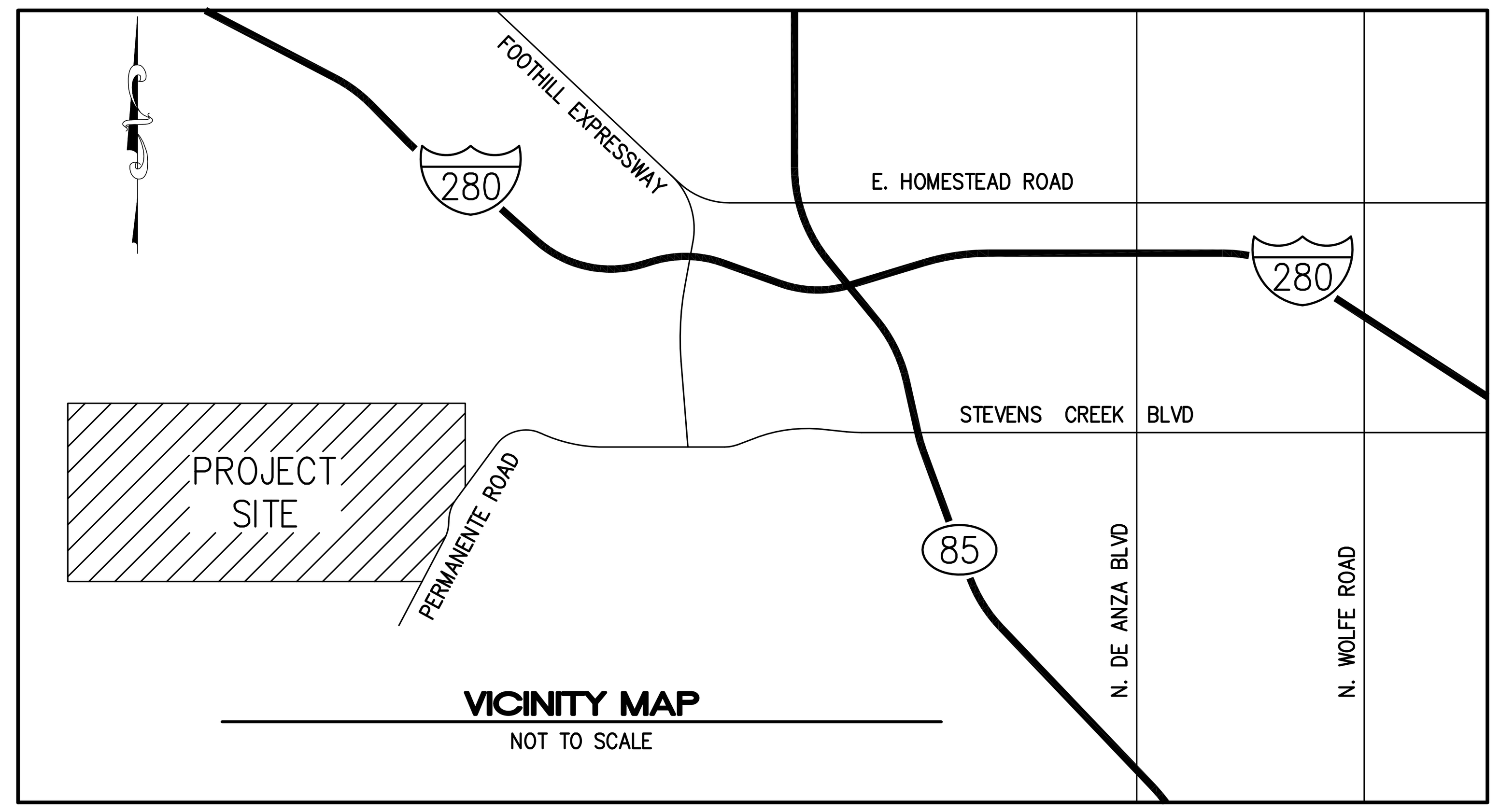
RECLAMATION PLAN FOR:
PERMANENTE QUARRY - EAST MATERIALS STORAGE AREA
SANTA CLARA COUNTY, CALIFORNIA



COUNTY LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

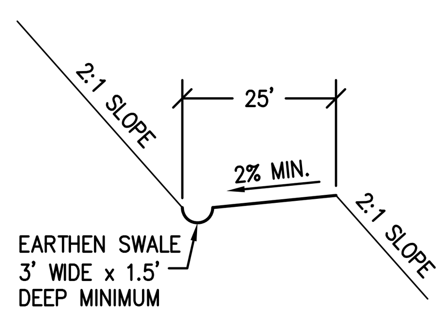
LEGEND

680	PROPOSED CONTOUR AND ELEVATION LABEL
660	EXISTING CONTOUR AND ELEVATION LABEL
	RECLAMATION PLAN BOUNDARY
	EXISTING EASEMENT
	PERIMETER DAYLIGHT LINE
	PROPOSED 25' WIDE BENCH
	PROPOSED ACCESS ROAD (4" AGGREGATE BASE)
	PROPOSED STORM DRAIN AND RISER
	PROPOSED RIPRAP PAD
	CONCRETE OR DG SWALE (DG TO BE MAINTAINED)
	GENERAL FLOW DIRECTION
	PROPOSED DOWN DRAIN PER DETAIL ON THIS SHEET
	PROPOSED SWALE PER DETAILS ON THIS SHEET (1% MIN. SLOPE)

NOTE:
ALL PROPOSED FACILITIES AND THE RECLAMATION CONFIGURATION SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. IN PARTICULAR, SURFACE DISTURBANCE BOUNDARIES ARE NOT EXPECTED TO BE IDENTICAL TO THOSE DEPICTED, ALTHOUGH TOTAL ACREAGE TO BE DISTURBED AND RECLAIMED SHOULD BE SIMILAR TO DEPICTED. WHILE THIS PLAN REFLECTS THE BEST AVAILABLE DATA, DEVELOPMENT MAY VARY DUE TO ACTUAL GEOLOGICAL CONDITIONS ENCOUNTERED, ENGINEERING, AND OTHER CONSIDERATIONS.

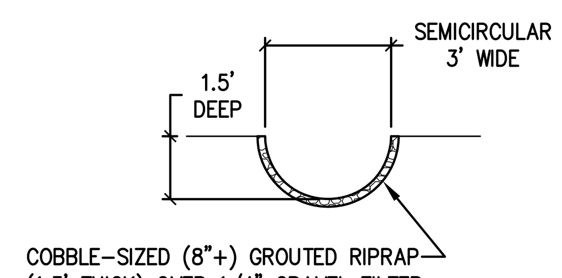
THE BASE TOPOGRAPHIC MAPPING USED FOR THESE PLANS IS AT A 10-FOOT CONTOUR INTERVAL. THE ACCURACY IS ONE-HALF THE CONTOUR INTERVAL.

THE FLOWLINE ELEVATIONS ON THESE PLANS ARE APPROXIMATE. THE FINAL ELEVATIONS CAN BE ADJUSTED BASED ON THE FINAL CONTOURS.

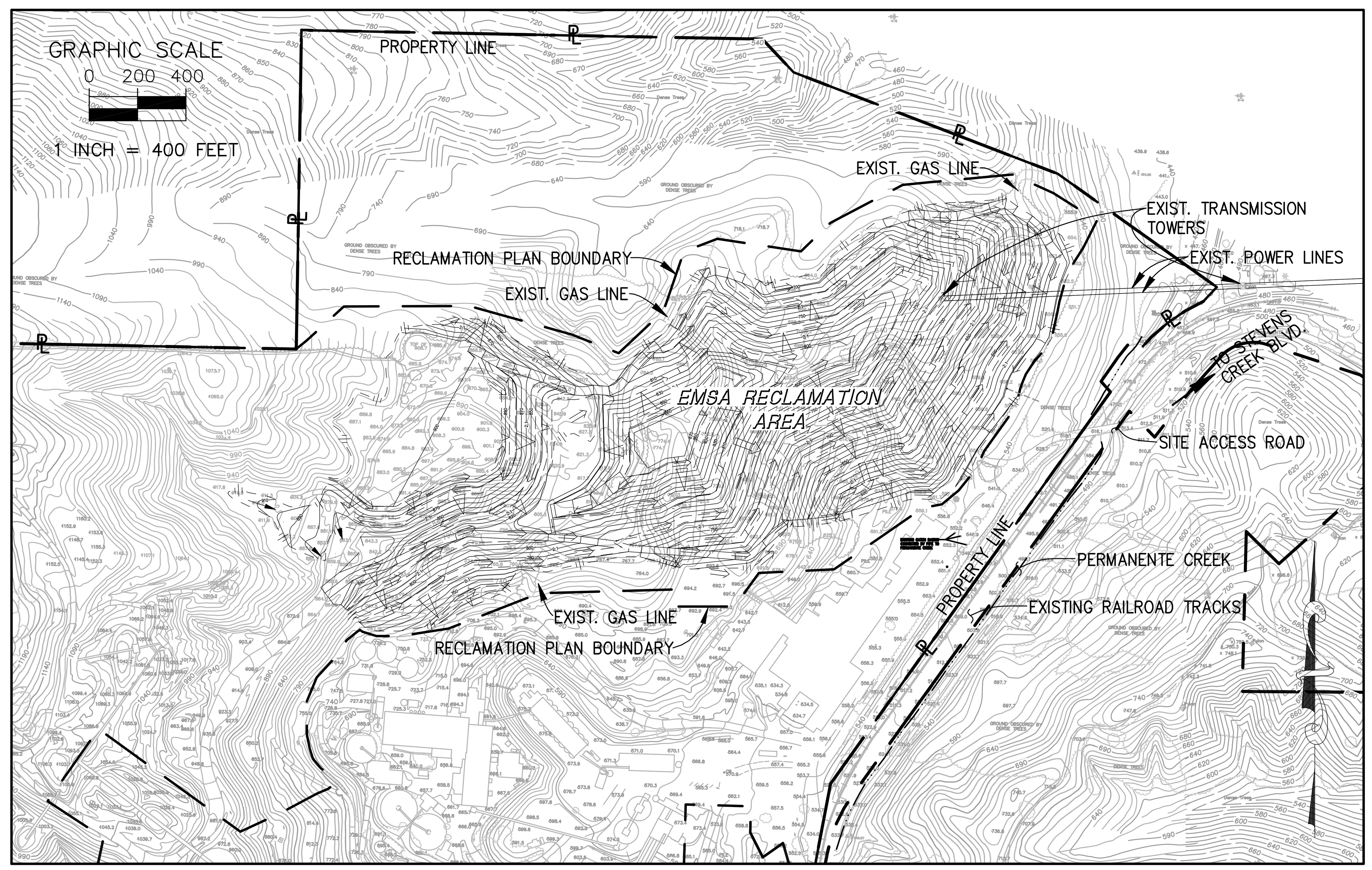


NOTES:
1. 40' MAX VERTICAL DIFFERENCE BETWEEN BENCHES
2. DOWN DRAINS TO BE SEMICIRCULAR (3' WIDE BY 1.5' DEEP) WITH GROUTED RIPRAP (SEE DOWN DRAIN DETAIL).
3. SWALES TO BE AT 1% MINIMUM SLOPE.

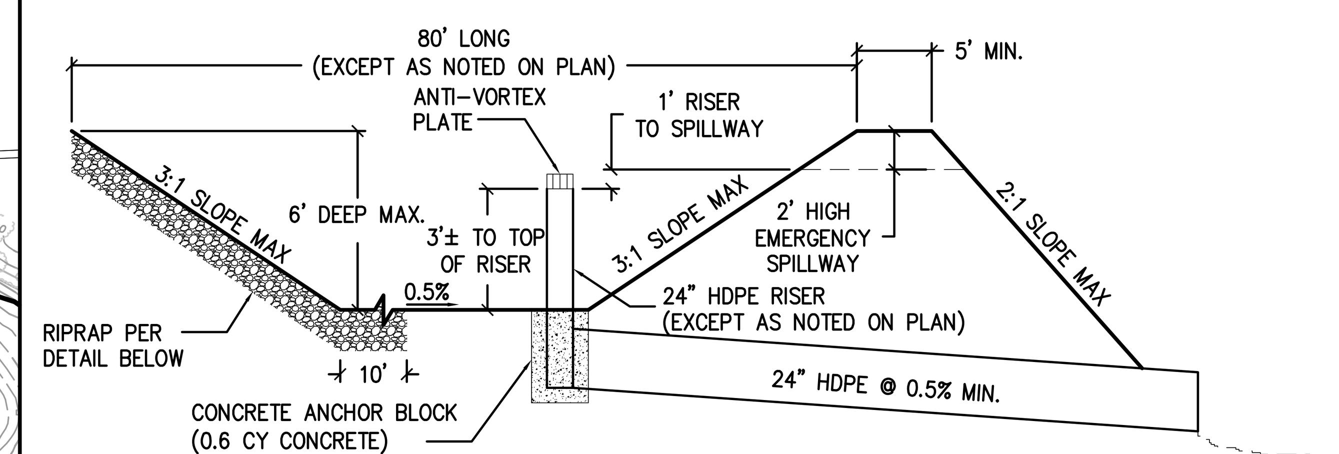
DETAIL: 25' WIDE BENCH (TYP)
NOT TO SCALE



DETAIL: DOWN DRAIN
NOT TO SCALE



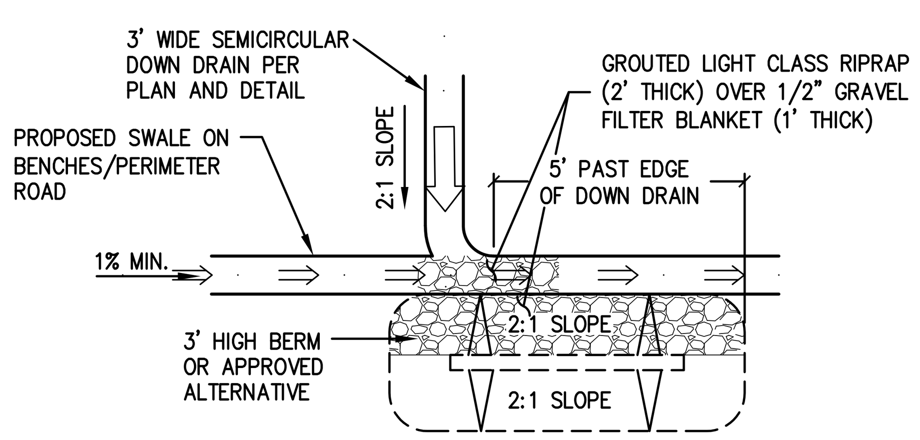
SITE MAP
SCALE: 1"=400'



NOTE: CREATE 1" DIAMETER HOLES OR SLITS IN RISER TO PREVENT WATER FROM PONDING PERMANENTLY IN BASIN.

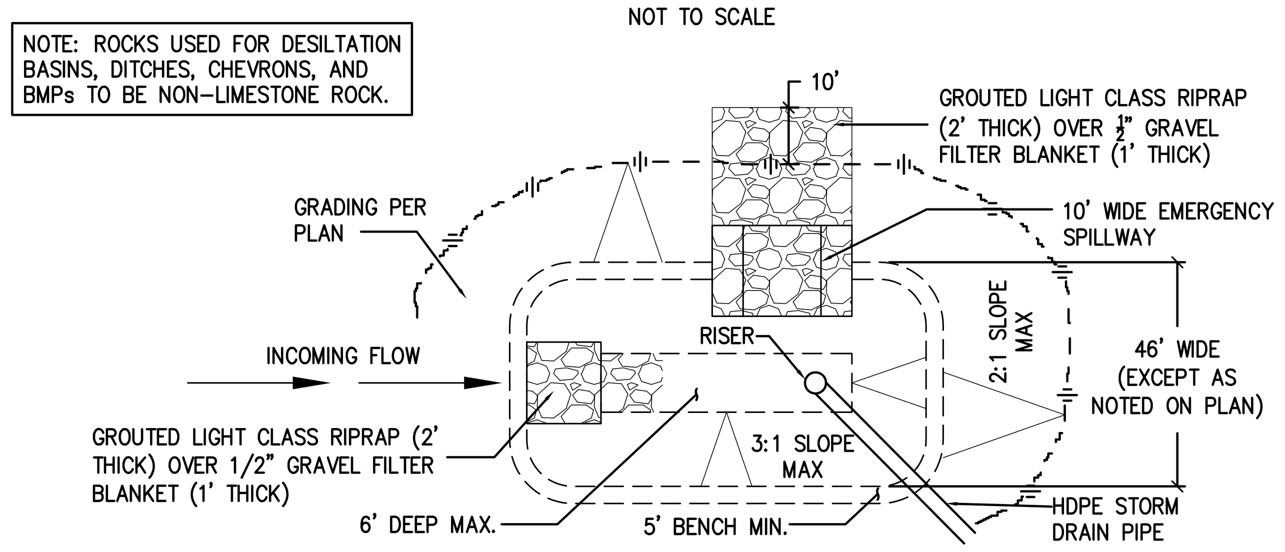
DETAIL: TYPICAL DESILTATION BASIN
NOT TO SCALE

NOTE: ROCKS USED FOR DESILTATION BASINS, DITCHES, CHEVRONS, AND BMPs TO BE NON-LIMESTONE ROCK.

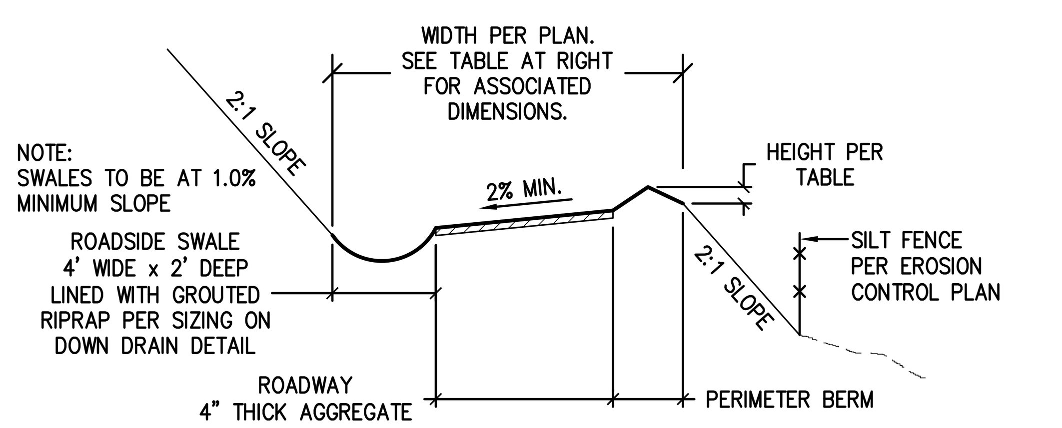


NOTE:
SPLASH BARRIERS TO BE CONSTRUCTED AT BOTTOM OF DOWN DRAINS

DETAIL: SPLASH BARRIER
NOT TO SCALE



DETAIL: TYPICAL DESILTATION BASIN PLAN VIEW
NOT TO SCALE



NOTE:
SWALES TO BE AT 1.0% MINIMUM SLOPE

ACCESS ROAD DIMENSIONS		
TOTAL WIDTH	PERIMETER BERM (H'xW')	ROADWAY
28'	6'x2'	12'
37'	13'x4.5'	12'
42'	13'x4.5'	12'
52'	6'x2'	12'

DETAIL: ACCESS ROAD (TYP)
NOT TO SCALE

WAYNE W. CHANG, P.E. 46548 — 12/12/2011 DATE

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(858) 692-0760

ENGINEER OF WORK

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/13
CIVIL
STATE OF CALIFORNIA

OPERATOR

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SHEET INDEX

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RECLAMATION PLAN FOR:
PERMANENTE QUARRY
EAST MATERIALS STORAGE AREA
COVER SHEET / NOTES / DETAILS

REVISION 1	DATE		SHEET 1 OF 9
REVISION 2	DATE		
REVISION 3	DATE	CO. FILE	

CHANG CONSULTANTS 858.692.0760

DECEMBER 12, 2011

REGISTERED PROFESSIONAL ENGINEER WAYNE W. CHANG No. 46548 Exp. 6/30/13 CIVIL STATE OF CALIFORNIA

OPERATOR

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RECLAMATION PLAN FOR: PERMANENTE QUARRY EAST MATERIALS STORAGE AREA

PHASE A

REVISION 1	DATE		SHEET 2 OF 9
REVISION 2	DATE		
REVISION 3	DATE	CO. FILE	

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OPERATOR	
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SHEET 2	PHASE A
SHEET 3	PHASE B
SHEET 4	PHASE C
SHEET 5	EROSION CONTROL MEASURES (ALL PHASES)
SHEET 6	POST-RECLAMATION PLAN
SHEET 7	PHASE A/B CROSS-SECTIONS
SHEET 8	PHASE C CROSS-SECTIONS
SHEET 9	OVERALL BOUNDARY/EASEMENTS

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/13
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RECLAMATION PLAN FOR: PERMANENTE QUARRY
EAST MATERIALS STORAGE AREA
PHASE B

REVISION 1	DATE		SHEET 3 OF 9
REVISION 2	DATE		
REVISION 3	DATE	CO. FILE	

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RECLAMATION PLAN FOR: PERMANENTE QUARRY
EAST MATERIALS STORAGE AREA
PHASE C

REVISION 1	DATE		SHEET 4 OF 9
REVISION 2	DATE		
REVISION 3	DATE	CO. FILE	

CHANG CONSULTANTS
858.692.0760

DECEMBER 12, 2011

EROSION CONTROL LEGEND

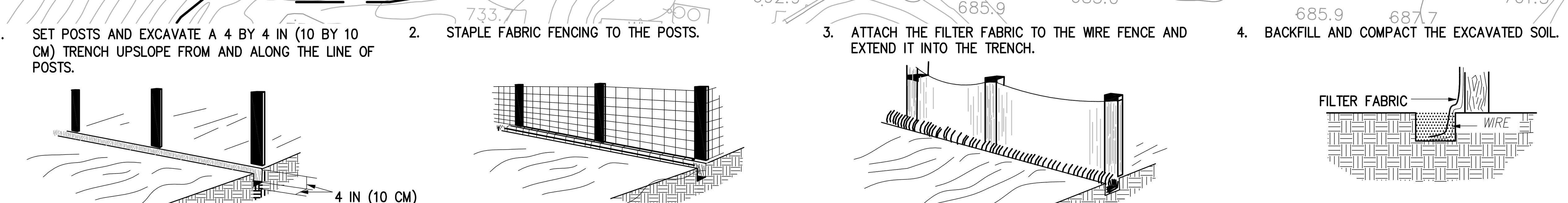
680	PROPOSED CONTOUR AND ELEVATION LABEL
680	EXISTING CONTOUR AND ELEVATION LABEL
	PERIMETER SILT FENCING PER DETAIL ON SHEET 5
	HYDROSEED / MULCH
	PROPOSED RIPRAP PAD

SCALE: 1" = 100'

0 50 100 200

EROSION CONTROL NOTES

1. ALL EXPOSED AND DISTURBED AREAS MUST BE SEEDED AS PER SPECIFICATIONS BY WRA, INC.
2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
3. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
4. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS, E.G. SACKED CONCRETE RIP-RAP. ENERGY DISSIPATERS SHALL BE INSTALLED AT ALL DITCH OUTFALLS. WHERE OUTFALLS ARE NOT INTO AN EXISTING CREEK OR WATER COURSE, RUNOFF SHALL BE RELEASED TO SHEET FLOW.
5. ROCKS USED FOR DESILTATION BASINS, DITCHES, CHEVRONS, AND BMPs TO BE NON-LIMESTONE ROCK.



DETAIL: SILT FENCE
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/13
CIVIL
STATE OF CALIFORNIA

OPERATOR

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RECLAMATION PLAN FOR: PERMANENTE QUARRY
EAST MATERIALS STORAGE AREA
EROSION CONTROL MEASURES (ALL PHASES)

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REVISION 3	DATE	CO. FILE	

DECEMBER 12, 2011

CHANG CONSULTANTS 858.692.0760

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/13
CIVIL
STATE OF CALIFORNIA

OPERATOR	
NAME:	LEHIGH SOUTHWEST CEMENT COMPANY
ADDRESS:	24001 STEVENS CREEK BLVD CUPERTINO, CA 95014
TELEPHONE:	408-996-4000
SHORT LEGAL:	SEC 18 T7S R2W MDBM; W 1/4 & SE 1/4 SEC 17 T7S R2W MDBM
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RECLAMATION PLAN FOR: PERMANENTE QUARRY EAST MATERIALS STORAGE AREA

POST-RECLAMATION PLAN

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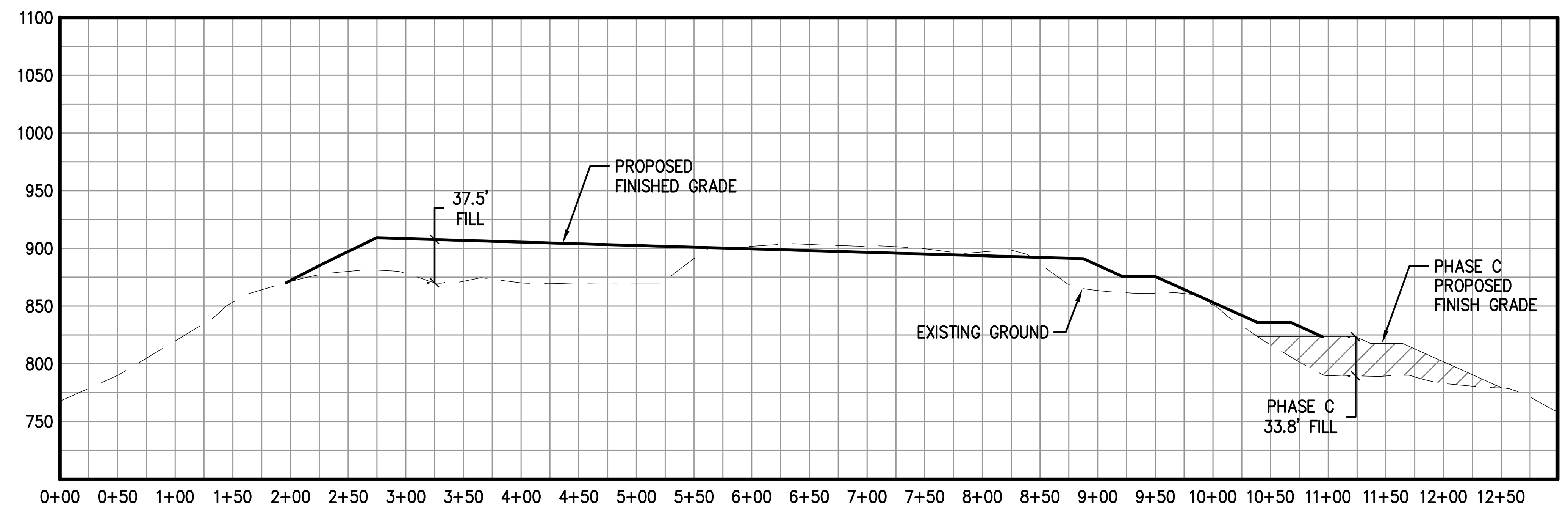
DECEMBER 12, 2011



SECTION A-A
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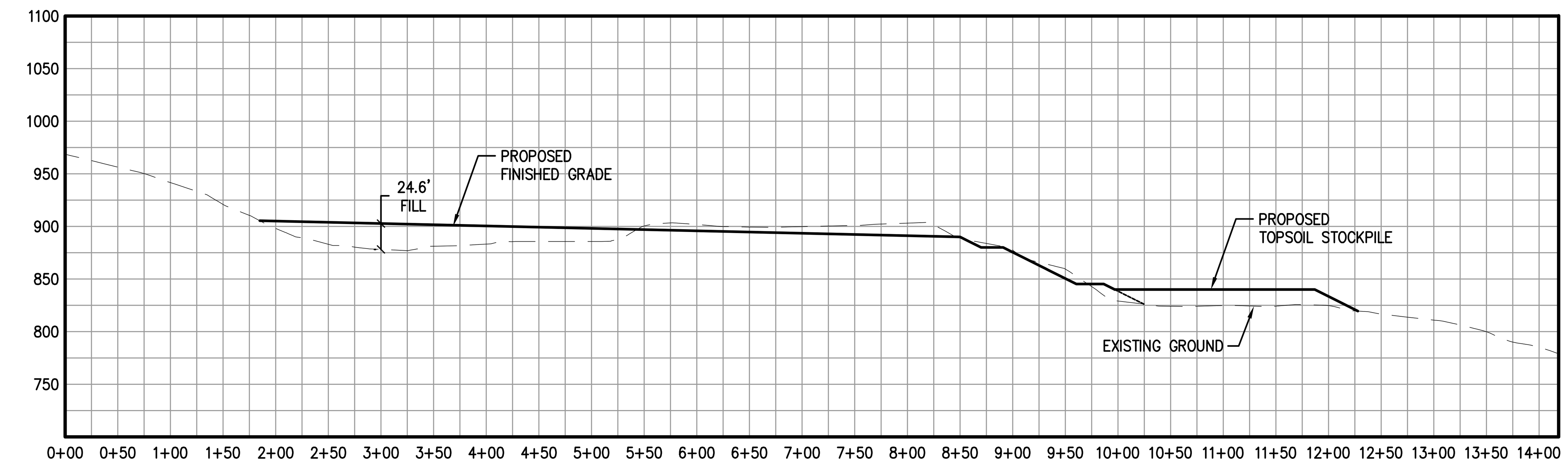

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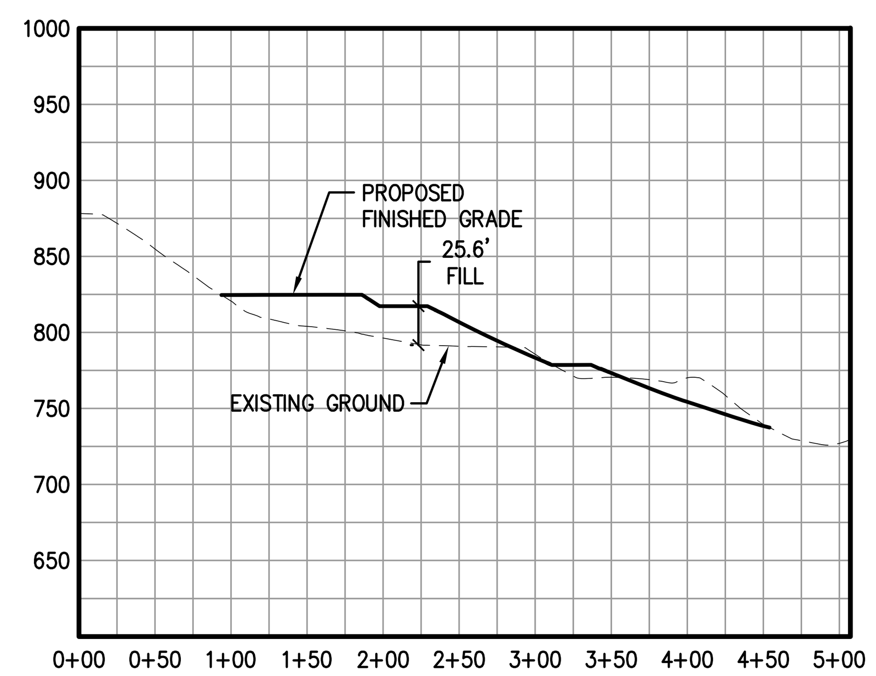

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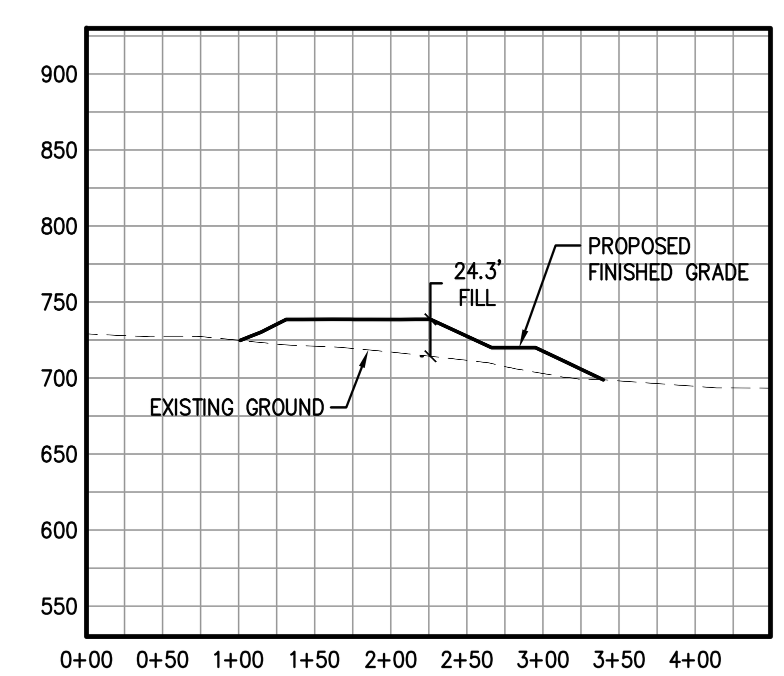

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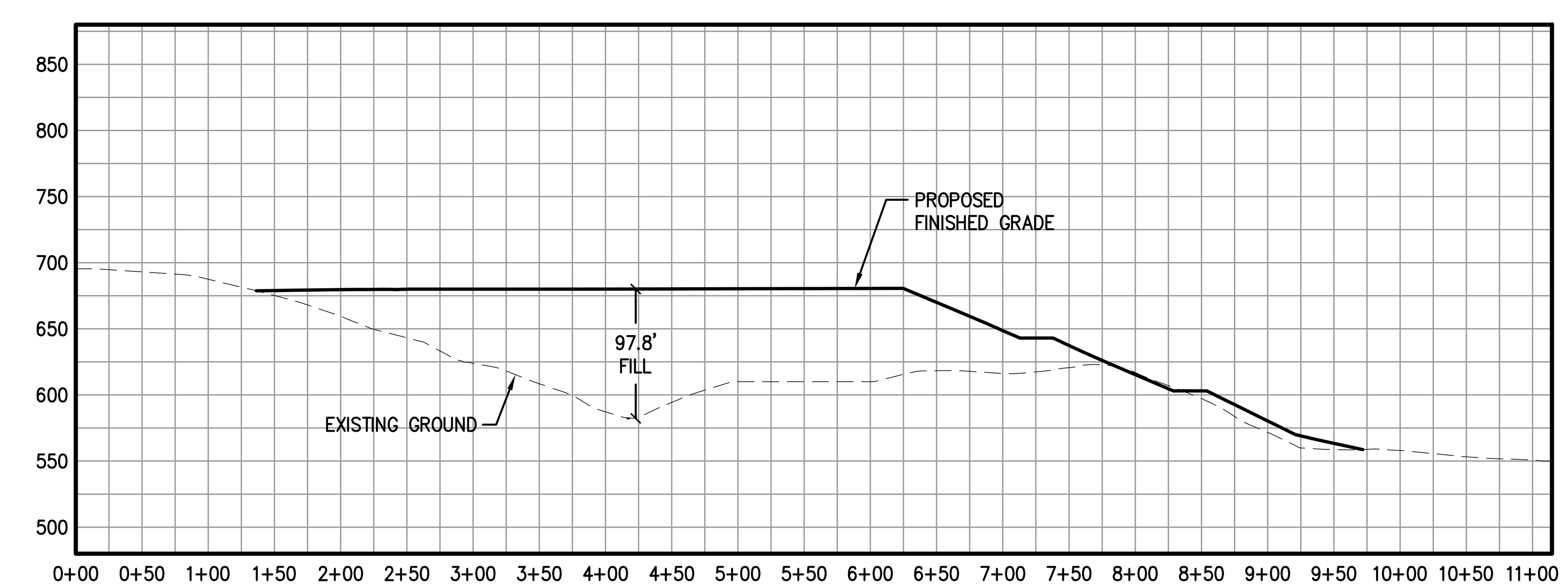

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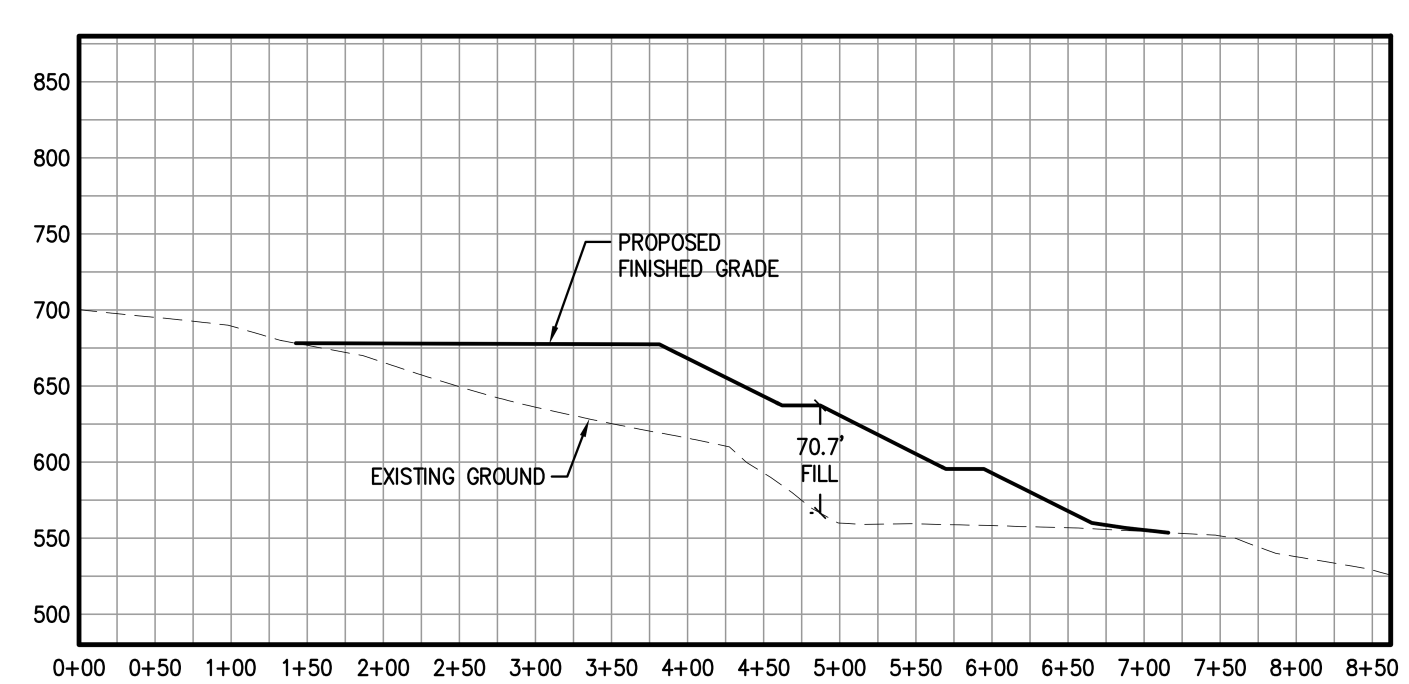

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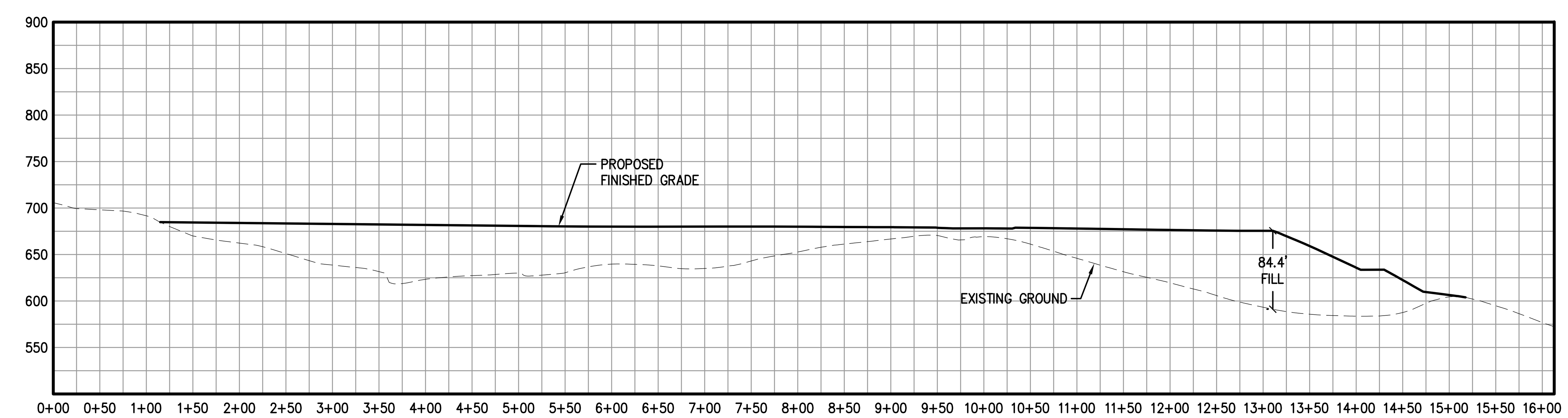

SECTION G-G
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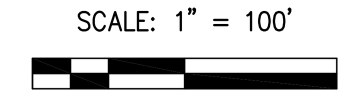
SCALE: 1" = 100'



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RECLAMATION PLAN FOR:
PERMANENTE QUARRY
EAST MATERIALS STORAGE AREA
PHASE A/B CROSS-SECTIONS

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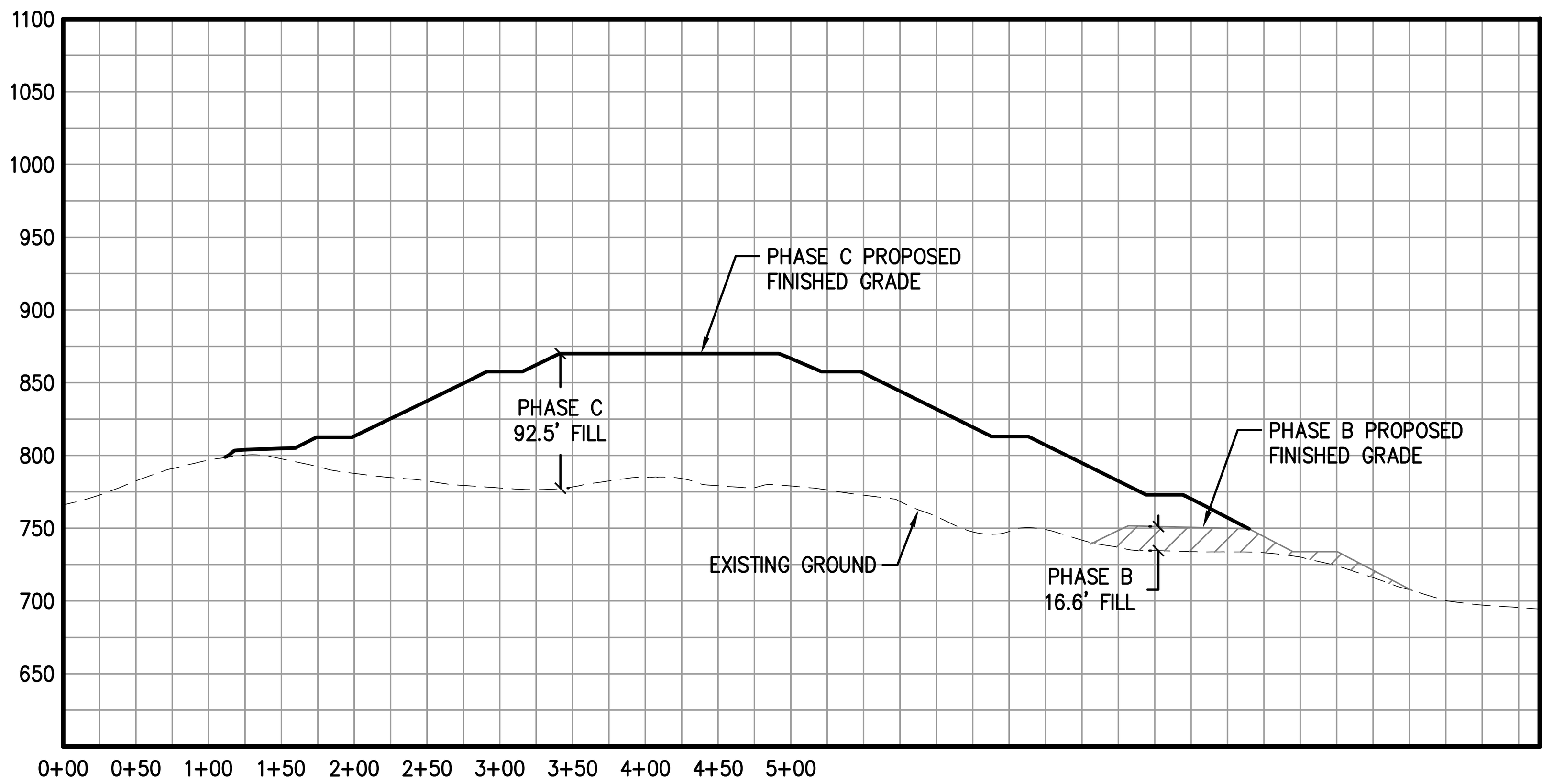

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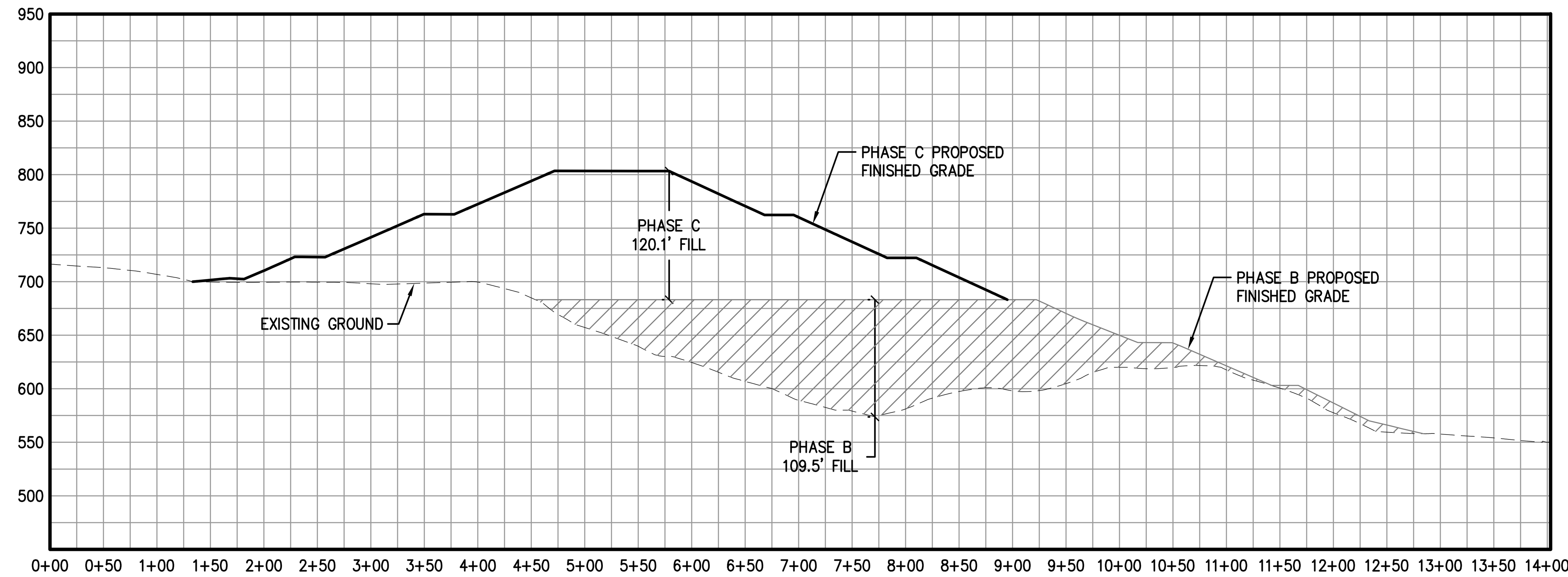

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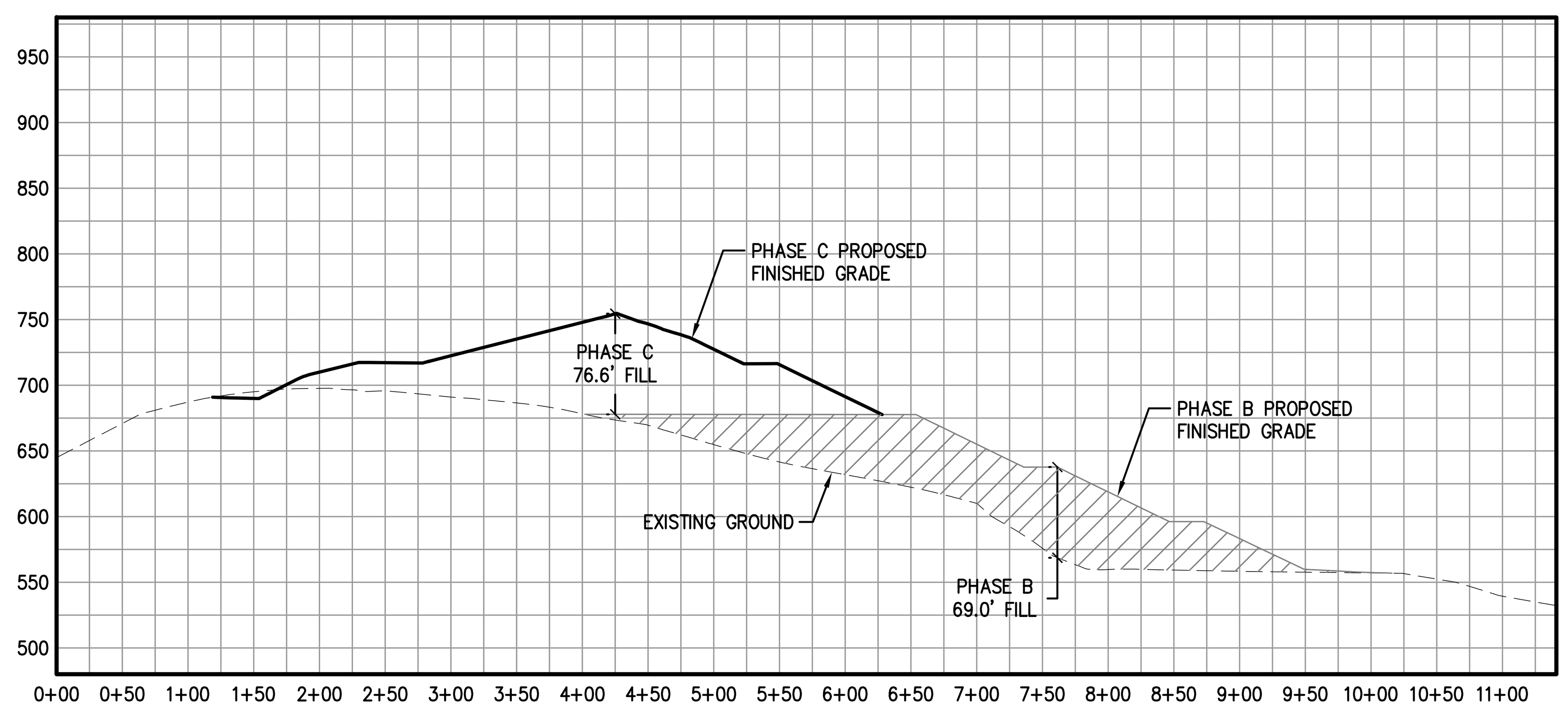

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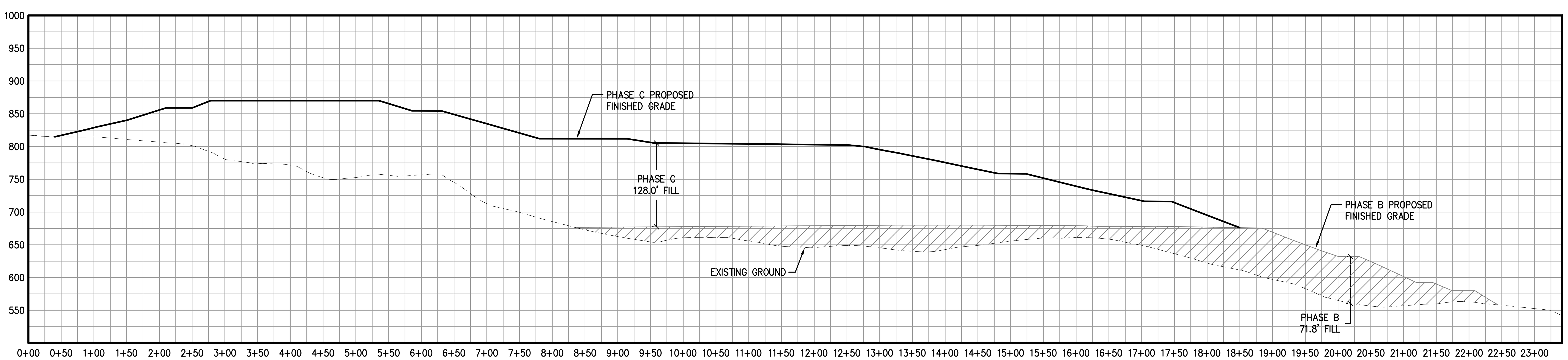

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SCALE: 1" = 100'
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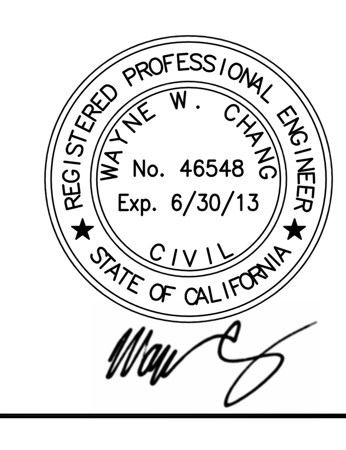

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RECLAMATION PLAN FOR:
PERMANENTE QUARRY
EAST MATERIALS STORAGE AREA
PHASE C CROSS-SECTIONS

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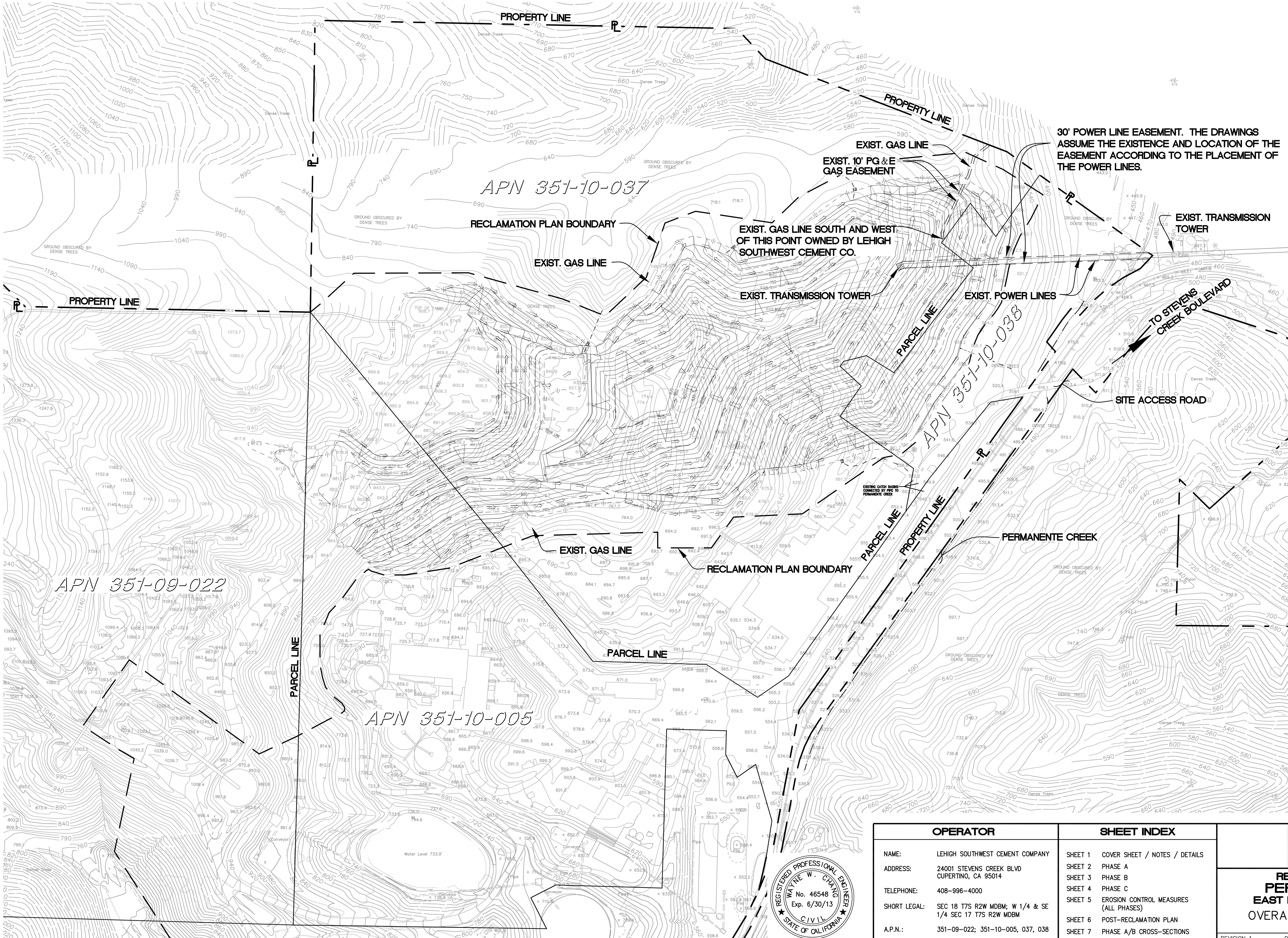

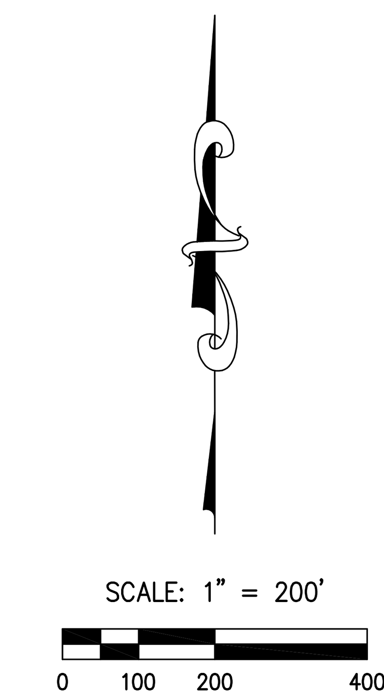

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