

GRADING NOTES

1. THE ENGINEER OF WORK WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS. THE OWNER SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.

2. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.

3. A CONSTRUCTION, EXCAVATION OR ENCROACHMENT PERMIT FROM THE DIRECTOR OF PUBLIC WORKS WILL BE REQUIRED FOR ANY WORK IN THE COUNTY RIGHT-OF-WAY.

4. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF THE PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES.
- UNDERGROUND SERVICE ALERT:
SAN DIEGO GAS AND ELECTRIC:
COX CABLE TV
OTAY WATER DISTRICT
SEWER

(800) 422-4133
(800) 227-2600
(866) 272-5777
(619) 670-2222
COUNTY OF SAN DIEGO – HHSA
5. PROTECTION OF EXISTING UTILITIES:

THE OWNER IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ANY PAVEMENT OR OTHER EXISTING SURFACE IMPROVEMENTS DAMAGED BY THE OWNER SHALL BE REPLACED AS REQUIRED BY THE COUNTY OF SAN DIEGO ENGINEERING DEPARTMENT. EXISTING UTILITIES SHOWN HEREON ARE PLOTTED FROM RECORD DATA AND MAY NOT NECESSARILY BE WHERE SHOWN. IT IS THE OWNER'S RESPONSIBILITY TO DETERMINE LOCATION PRIOR TO CONSTRUCTION.

6. GENERAL UTILITY NOTES EXPLORATORY EXCAVATION REQUIRED: OWNER WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF EXCAVATION TO PREVENT DAMAGE TO SAID UTILITIES. ALL EXISTING UTILITIES WITHIN THE SITE, AND THOSE ADJACENT TO THE SITE WHICH ARE AFFECTED BY THE WORK PROPOSED TO BE DONE ARE SHOWN ON THIS PLAN. THE UTILITY COMPANIES HAVE REVIEWED THESE PLANS AND ARE SATISFIED WITH THE ARRANGEMENTS MADE BY THE PERMITEE TO PROTECT OR RELOCATE THE UTILITIES.

7. EXISTING UTILITIES OR STRUCTURES ARE SHOWN ACCORDING TO THE RECORDS OF THE ABOVE COMPANIES AND HAVE BEEN EXAMINED TO VERIFY THAT THEY OWN NO UTILITIES OR STRUCTURES WHICH WILL BE AFFECTED BY THE PROPOSED GRADING.

8. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE ACCORDING TO THE PERIOD SPECIFIED IN THE MAJOR USE PERMIT.

9. 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.

10. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE RECLAMATION PLANS, THE PERMITEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO THE 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 FORM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.

11. SLOPE RATIOS:

MAXIMUM SLOPE RATIOS TO BE 3:1

12. IF ANY ARCHAEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE DURING GRADING OPERATIONS, SUCH OPERATIONS WILL CEASE IMMEDIATELY AND THE PERMITEE WILL NOTIFY THE DIRECTOR OF PUBLIC WORKS OF THE DISCOVERY. GRADING OPERATIONS WILL NOT RECOMMENCE UNTIL THE PERMITEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PUBLIC WORKS TO DO SO.

13. COMPACTION TESTING AND A COMPACTION REPORT IS REQUIRED FOR ALL FINISH PADS THAT ARE OVER 12" IN DEPTH.

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 CURRENT STANDARDS.

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

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

BY: _____ DATE: _____
WAYNE W. CHANG, R.C.E. 46548

EARTHWORK QUANTITIES

	0 CY FILL	
EAST	1,655,000 CY CUT	(2,482,500 TONS)
WEST	319,200 CY CUT	(564,000 TONS)
MINING AND BACKFILL	2,235,900 CY CUT	(3,353,850 TONS)
	4,266,900 CY CUT	(6,400,350 TONS)

DISCRETIONARY REVIEW APPROVAL

THIS PLAN IS PROVIDED TO ALLOW FOR FULL AND ADEQUATE DISCRETIONARY REVIEW OF A PROPOSED DEVELOPMENT PROJECT. THE PROPERTY OWNER ACKNOWLEDGES THAT ACCEPTANCE OR APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN APPROVAL TO PERFORM ANY GRADING SHOWN HEREON, AND AGREES TO OBTAIN VALID GRADING PERMISSIONS BEFORE COMMENCING SUCH ACTIVITY.

SAND MINING PROJECT
COTTONWOOD

PROJECT PHASING

PHASE 1
THE FIRST PHASE (PHASE 1) WILL INCLUDE SITE DEVELOPMENT FOR THE CONSTRUCTION OF THE ACCESS ROAD, PROCESSING AREA PAD, SCREENING BERMS AND INSTALLATION OF THE CONVEYOR LINE AND PROCESSING PLANT. FOLLOWING INITIAL SITE DEVELOPMENT ACTIVITIES, EXTRACTIVE OPERATIONS WILL COMMENCE IN THE AREA WEST OF STEELE CANYON ROAD.

INITIAL EXTRACTIVE OPERATIONS WILL INVOLVE REMOVAL OF ALL MATERIALS FROM THE SURFACE TO APPROXIMATELY 15 TO 25 FEET BELOW GROUND SURFACE (BGS) WITH A COMBINATION OF FRONT END LOADERS AND AN EXCAVATOR. EACH PIECE OF EXCAVATION EQUIPMENT WILL WORK IN SEPARATE AREAS. THIS EQUIPMENT WILL MOVE MATERIAL DIRECTLY TO THE CONVEYOR. APPROXIMATELY, 84 ACRES WILL BE INCLUDED IN PHASE 1 WHICH WILL INCLUDE APPROXIMATELY 10 ACRES OF HABITAT IMPROVEMENT WITHIN THE RIVER CHANNEL ON THE SOUTHWEST END OF THE PROJECT.

PHASE 1 WILL BEGIN EXCAVATION IN THE SUB-PHASE 1A AREA SOUTH OF THE RIVER CHANNEL. ONCE EXCAVATION IS COMPLETE IN SUB-PHASE 1A, THE CONVEYOR LINE AND EXCAVATING EQUIPMENT WILL MOVE TO THE SUB-PHASE 1B AREA ON THE SOUTHWESTERN EDGE OF THE PROJECT. RECLAMATION IN SUB-PHASE 1A WOULD THEN BEGIN WITH FINAL GRADING, INSTALLATION OF IRRIGATION EQUIPMENT AND REVEGETATION. THIS PROCESS WILL CONTINUE IN SUB-PHASES 1B AND 1C. EXCAVATION IN EACH SUB-PHASE IS EXPECTED TO TAKE APPROXIMATELY ONE YEAR.

RECLAMATION OF THE PHASE 1 AREA WILL BEGIN ANNUALLY AS THE FINAL LANDFORMS ARE ESTABLISHED IN EACH SUB-PHASE. RECLAMATION WILL INCLUDE ESTABLISHMENT OF ALL FINAL SLOPES, INCORPORATION OF ANY ACCUMULATED WASH FINES AND TOPSOIL; REVEGETATION USING NATIVE SPECIES COMMON TO RIPARIAN HABITAT AND/OR UPLAND VEGETATION DEPENDING ON THE LOCATION OF THE LANDFORM; ESTABLISHMENT OF PADS SUITABLE FOR FUTURE DEVELOPMENT SEEDED WITH AN EROSION SEED MIX; WEED CONTROL, AND MONITORING.

PHASE 2
PHASE 2 WILL CONTINUE THE IDENTICAL EXTRACTION PROCESS IN A WEST TO EAST DIRECTION ON AN AREA OF APPROXIMATELY 67 ACRES EAST OF THE STEELE CANYON ROAD BRIDGE. THIS PHASE IS ANTICIPATED TO LAST APPROXIMATELY 3 YEARS. EXCAVATION OF THE MATERIALS WILL CONTINUE IN THE WEST AND PROCEED EASTWARD IN THE SAME FASHION AS UTILIZED IN PHASE 1. THE MAXIMUM DEPTH OF THE EXCAVATION IS EXPECTED TO BE APPROXIMATELY 15 TO 25 FEET BELOW GROUND SURFACE OUTSIDE THE CHANNEL.

PHASE 2 WILL ALSO INCLUDE 3 SUB-PHASES OF 20 TO 25 ACRE AREAS THAT WILL BEGIN WITH SUB-PHASE 2A AND PROGRESS TO THE NORTHEAST. EXCAVATION IN EACH SUB-PHASE IS EXPECTED TO BE COMPLETED IN APPROXIMATELY 1 YEAR.

RECLAMATION OF THE PHASE 2 SUB-PHASES WILL BEGIN EACH YEAR AS THE FINAL LANDFORMS ARE ESTABLISHED IN EACH SUB-PHASE. RECLAMATION WILL INCLUDE ESTABLISHMENT OF ALL FINAL SLOPES, INCORPORATION OF ANY ACCUMULATED WASH FINES AND TOPSOIL, REVEGETATION OF THE CHANNEL USING NATIVE SPECIES COMMON TO RIPARIAN HABITAT, UPLAND VEGETATION ON THE UPPER SLOPES AND ESTABLISHMENT OF PADS SUITABLE FOR FUTURE DEVELOPMENT. PADS WILL BE SEEDED WITH AN EROSION CONTROL SEED MIX. SEEDING AND PLANTING WILL GENERALLY OCCUR DURING THE RAINY SEASON.

PHASE 3
THE EXCAVATION PROCESS IN PHASE 3 IS A REPEAT OF PHASE 2 ON APPROXIMATELY 68 ACRES OF THE VALLEY, EAST OF THE PHASE 2 AREA. PHASE 3 IS ANTICIPATED TO LAST ABOUT 4 YEARS, WILL INCLUDE 4 SUB-PHASES AND WILL EMPLOY THE SAME PROCEDURE AS THE TWO PREVIOUS PHASES. UPON CONCLUSION OF PHASE 2, THE CONVEYOR LINE WILL BE RELOCATED TO RUN FROM THE PLANT TO THE EAST. SUB-PHASE 3A WILL BE LOCATED AT THE NORTHEAST EDGE OF THE PROPERTY. EXCAVATION OF EACH SUB-PHASE WILL PROCEED WESTWARD

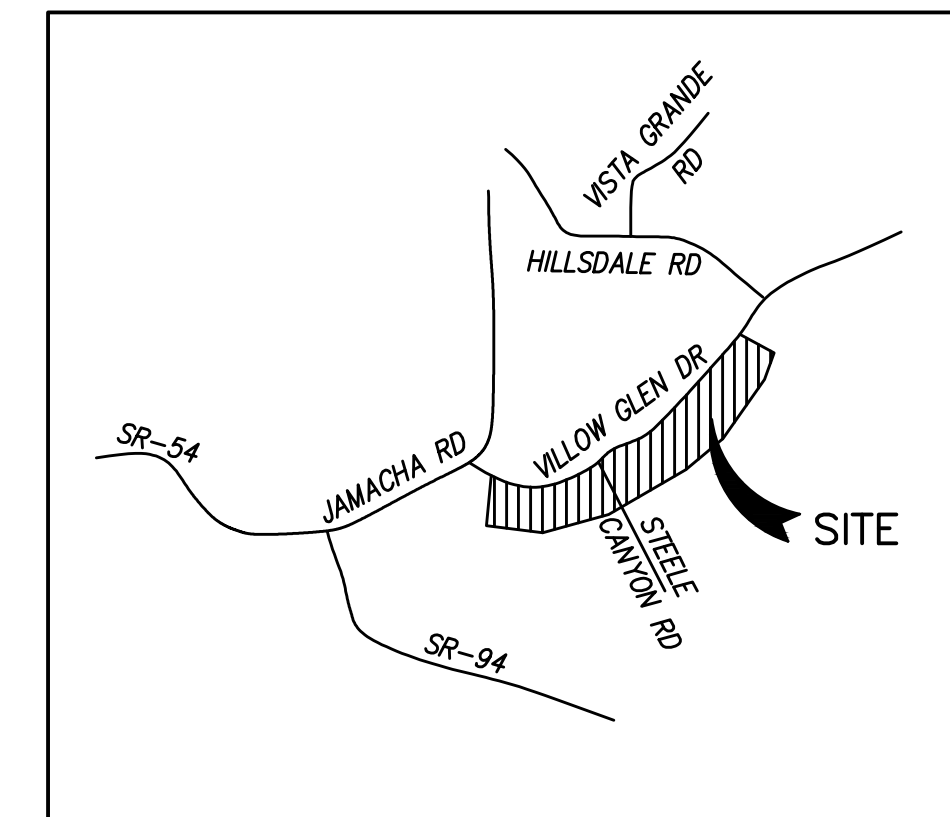
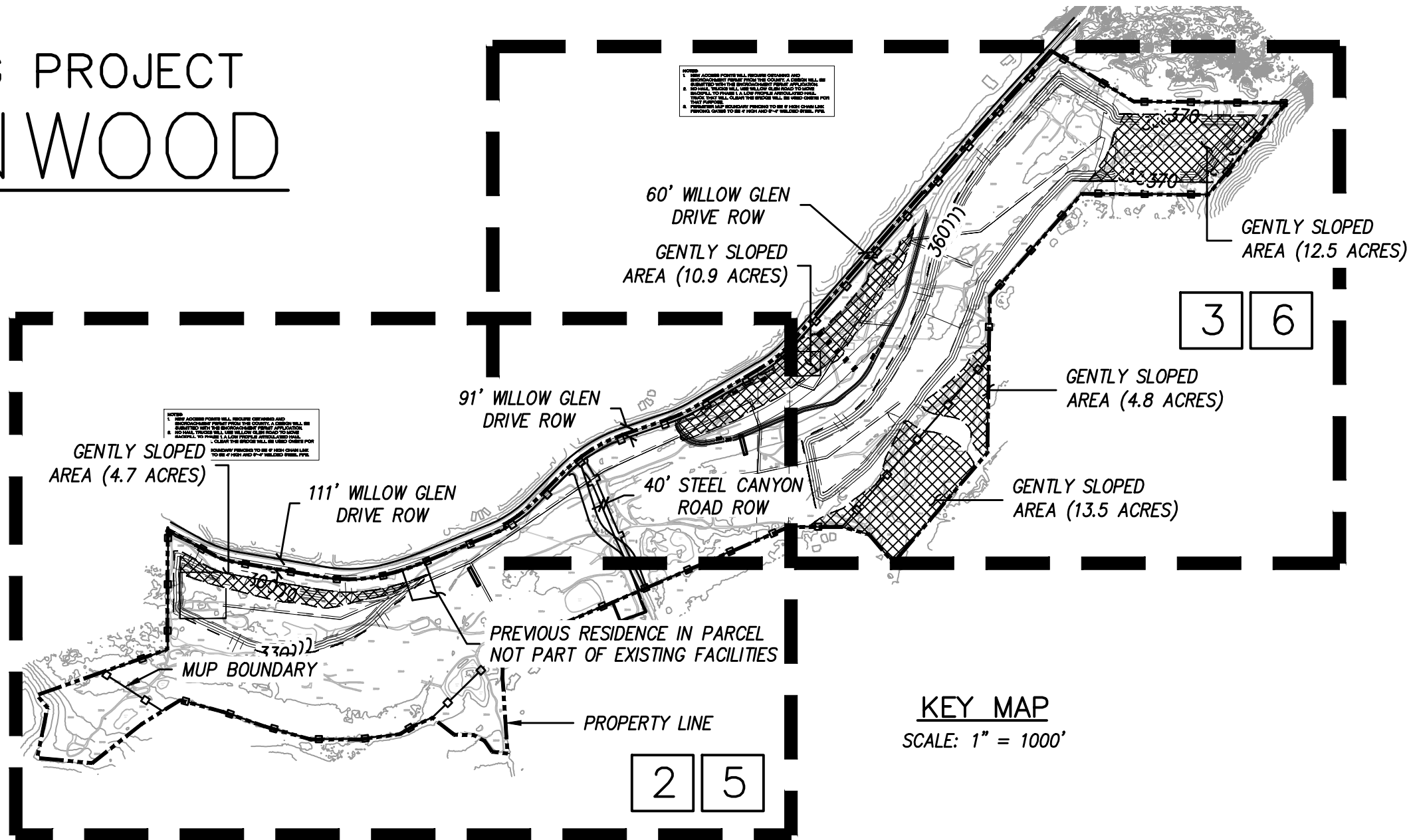
RECLAMATION IN EACH OF THE PHASE 3 SUB-PHASES WILL BEGIN EACH YEAR AS THE FINAL LANDFORMS ARE ESTABLISHED. RECLAMATION WILL INCLUDE ESTABLISHMENT OF ALL FINAL SLOPES, INCORPORATION OF ANY ACCUMULATED WASH FINES AND TOPSOIL, REVEGETATION OF THE CHANNEL USING NATIVE SPECIES COMMON TO RIPARIAN HABITAT, UPLAND VEGETATION ON THE UPPER SLOPES AND ESTABLISHMENT OF PADS SUITABLE FOR POSSIBLE FUTURE DEVELOPMENT. ALL PADS WILL BE PLANTED WITH AN EROSION CONTROL SEED MIX.

PHASE 4
PHASE 4 WILL CONSIST OF EXCAVATION OF MATERIALS BENEATH PLANT, BACKFILLING PLANT AREA, FINAL RECLAMATION EFFORTS, CLEANUP AND EQUIPMENT REMOVAL. REVEGETATION MONITORING WILL CONTINUE AFTER THIS FINAL PHASE. MINE PHASE ACREAGES AND THE ESTIMATED DURATION OF EACH PHASE ARE SUMMARIZED IN TABLE 4 AND ASSUMES A PROJECT START IN 2021.

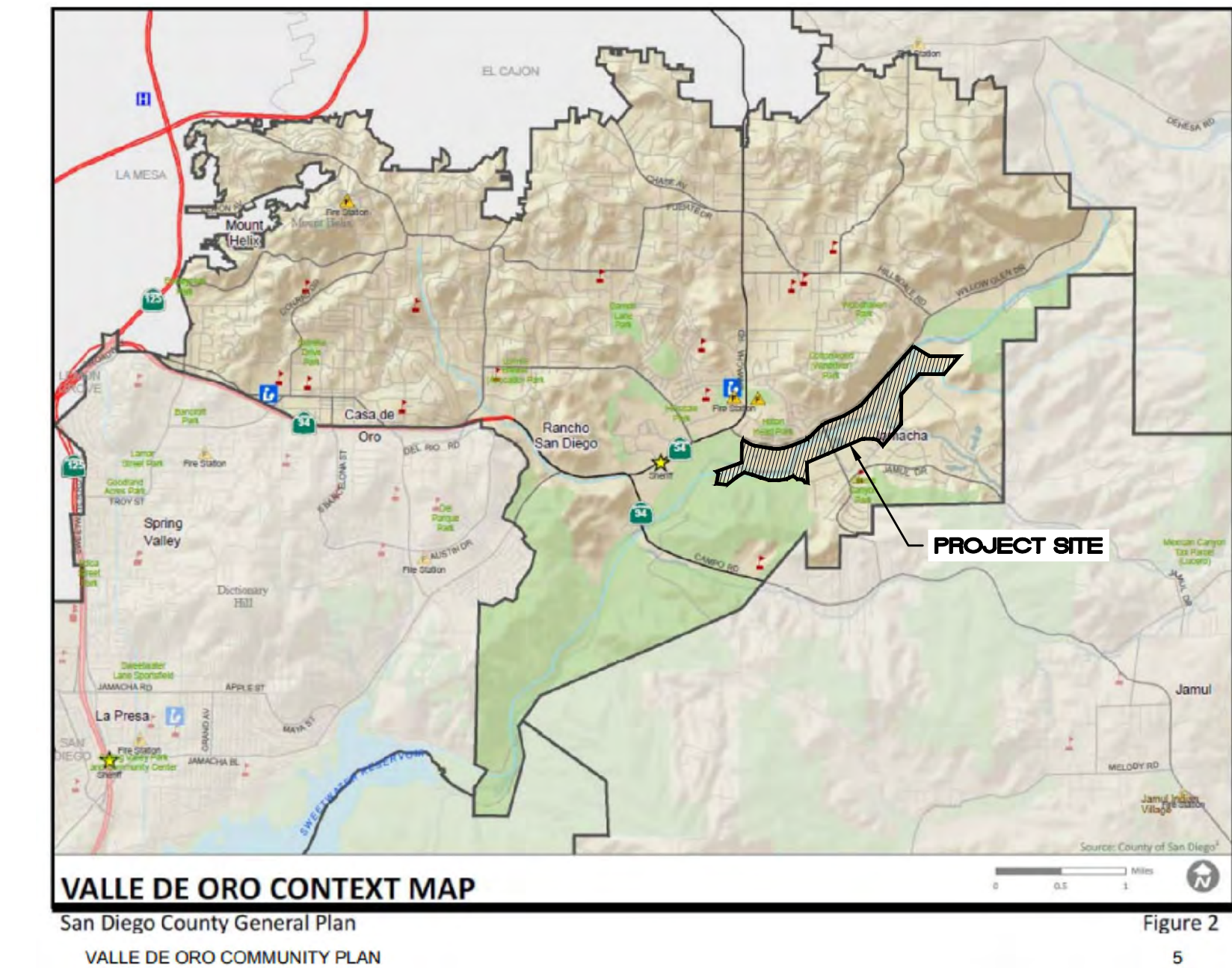
Mine Phase Acreages

Mining Phase	Acres	Sub-phase Area (acres)	Mining Duration (years)	Mining Initiation Date (est.)	Mining Completion Date (est.)	Reclamation Completion Date (est.)
1	78.98		3	2021	2024	2026
Sub-phase 1a		22.10	1			
Sub-phase 1b		26.46	1			
Sub-phase 1c		30.42	1			
2	48.18		3	2024	2027	2029
Sub-phase 2a		15.26	1			
Sub-phase 2b		19.08	1			
Sub-phase 2c		13.74	1			
3	78.57		4	2027	2031	2033
Sub-phase 3a		29.42	1			
Sub-phase 3b		16.15	1			
Sub-phase 3c		14.13	1			
Sub-phase 3d		18.87	1			
Phase 4	8.65		1	2031	2031	2033
Total	214.4		10*	-	-	Note**

* Phases will have concurrent mining and reclamation operations
** Total acres to be reclaimed and revegetated is approximately 219.4



VICINITY MAP



VALLE DE ORO CONTEXT MAP

San Diego County General Plan

VALLE DE ORO COMMUNITY PLAN

Figure 2

5

LEGEND

EXISTING CONTOUR	~925~
EXISTING SPOT ELEVATION	x 1012.7
PROPOSED CONTOUR	—685—
PROPOSED GRADE	1.0%
PROPERTY LINE	—+—
DAYLIGHT LINE	---+---
PROPOSED SLOPE	---Y---

SHEET INDEX

SHEET 1	COVER SHEET
SHEET 2	PLOT PLAN
SHEET 3	PLOT PLAN
SHEET 4	PLANT DETAILS
SHEET 5	RECLAMATION PLAN
SHEET 6	RECLAMATION PLAN
SHEET 7	SITE CROSS-SECTIONS
SHEET 8	SITE CROSS-SECTIONS
SHEET 9	FINAL PLAN
SHEET 10	REVEGETATION PLAN
SHEET 11	EASEMENT PLAN

LEGAL DESCRIPTION

THE PROJECT IS LOCATED WITHIN PORTIONS OF SECTIONS 9, 10, AND 16, TOWNSHIP 15 SOUTH, RANGE 1 EAST OF THE EL CAJON MOUNTAIN, CALIFORNIA, U.S. GEOLOGICAL SURVEY (USGS) 7.5-MINUTE QUADRANGLE, SAN BERNARDINO BASE AND MERIDIAN, COUNTY OF SAN DIEGO, CALIFORNIA AT APPROXIMATELY 32°52' 38.53" N LATITUDE -116° 52' 50.00 W LONGITUDE.

PROJECT DESCRIPTION

THE PROJECT PROPOSES TO MINE SAND SUITABLE FOR PORTLAND CEMENT CONCRETE (POC)USE OVER AN EXTENDED PERIOD WITHIN DESIGNATED PHASES. RECLAMATION OF THE MINED LANDS WILL FOLLOW AS SOON AS MINING OPERATIONS ARE COMPLETED IN A SPECIFIC AREA. RECLAMATION PROCEDURES WILL BE PHASED WITH MINING OPERATIONS AND WILL BE INITIATED IMMEDIATELY AFTER THE CONCLUSION OF RESOURCE EXTRACTION AND BACKFILLING TO DESIGN ELEVATIONS.

THE MAXIMUM LEVEL OF AGGREGATE PRODUCTION IS ANTICIPATED TO BE 550-THOUSAND TONS PER YEAR (MTPY). THIS LEVEL OF PRODUCTION WILL BE REALIZED AFTER 1 YEAR OF SITE DEVELOPMENT. ACTUAL PRODUCTION LEVELS AND PROJECT LIFE WILL DEPEND ON MARKET DEMAND BUT WILL NOT EXCEED THE MAXIMUM PERMITTED PRODUCTION LEVEL. THE PROJECT IS EXPECTED TO CONTINUE FOR 12 YEARS. THIS WILL INCLUDE 10 YEARS OF EXTRACTION AND RECLAMATION OF PREVIOUS PHASES. RECLAMATION OF PREVIOUSLY DISTURBED AREAS IS ANTICIPATED TO BEGIN YEAR 2. VEGETATION MONITORING WILL CONTINUE FOR 3 YEARS AFTER RECLAMATION.

WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE IN ACCORDANCE WITH THESE PLANS . THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2003 EDITION), THE REGIONAL SUPPLEMENT AMENDMENTS (2003 EDITION), THE SAN DIEGO AREA REGIONAL STANDARD DRAWINGS (DATED JULY 2000).

OWNER

COTTONWOOD CAJON ES LLC
9255 DOHENY ROAD, #602
WEST HOLLYWOOD, CA 90069

PERMITEE

GREG BROWN
NEW WEST DEVELOPMENT
565 N. MAGNOLIA AVE.,
EL CAJON, CA 92020

ASSESSOR'S PARCEL NUMBERS

THE PROJECT IS LOCATED ON TWENTY-TWO SEPARATE ASSESSORS PARCELS (APNS) AS PRESENTED IN FOLLOWING TABLE. PORTIONS OF THE PROPERTY WILL NOT BE MINED ALTHOUGH THOSE AREAS MAY BE DISTURBED AS PART OF THE RECLAMATION EFFORT FOR THE PROPERTY.

APN	TOTAL ACRES (APPROX.)	OWNER	ZONING	GENERAL PLAN LAND USE
506-021-1900	8.20	COTTONWOOD CAJON ES, LLC	S88	OS-R
506-020-5200	4.01	COTTONWOOD CAJON ES, LLC	S80	OS-R
518-012-1300	2.97	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-012-1400	46.61	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-0500	2.30	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-0600	5.58	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-0700	2.59	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-0800	0.69	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-1000	7.16	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-1200	6.88	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-1300	10.20	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-1500	4.04	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-2100	56.71	COTTONWOOD CAJON ES, LLC	S90	OS-R
518-030-2200	19.43	COTTONWOOD CAJON ES, LLC	S90	OS-R
519-010-1500	33.72	COTTONWOOD CAJON ES, LLC	S90	OS-R
519-010-1700	14.59	COTTONWOOD CAJON ES, LLC	S90	OS-R
519-010-2000	19.22	COTTONWOOD CAJON ES, LLC	S90	OS-R
519-010-2100	1.10	COTTONWOOD CAJON ES, LLC	S90	OS-R
519-010-3300	1.76	COTTONWOOD CAJON ES, LLC	S90	OS-R
519-010-3400	7.17	COTTONWOOD CAJON ES, LLC	S90	OS-R
519-010-3700	1.06	COTTONWOOD CAJON ES, LLC	S90	OS-R
519-011-0300	23.80	COTTONWOOD CAJON ES, LLC	S88	OS-R
TOTALS:	279.79			
DEFINITIONS				
S90	HOLDING AREA			
S88	SPECIFIC PLAN AREA			
S80	OPEN SPACE			
OS-R	OPEN SPACE - RECREATION			

PERMITS

HABITAT LOSS PERMIT NO. _____
N.O.I. NO. _____
SPECIFIC PLAN AMENDMENT _____
SPECIAL USE PERMIT NO. _____
GRADING PERMIT NO. _____
TENTATIVE MAP NO. _____

COUNTY APPROVED CHANGES

No.	Description	Approved by	Date
ORIGINAL			X--XX

BENCHMARK

DESCRIPTION: COTTONWOOD GOLF COURSE
LOCATION: NAD 83, EPOCH 1998.50, ZONE 6, GEOID 3
RECORD FROM: ROS 16512
ELEVATION: 488.50 FEET DATUM: NGVD 29

PRIVATE

CONTRACT

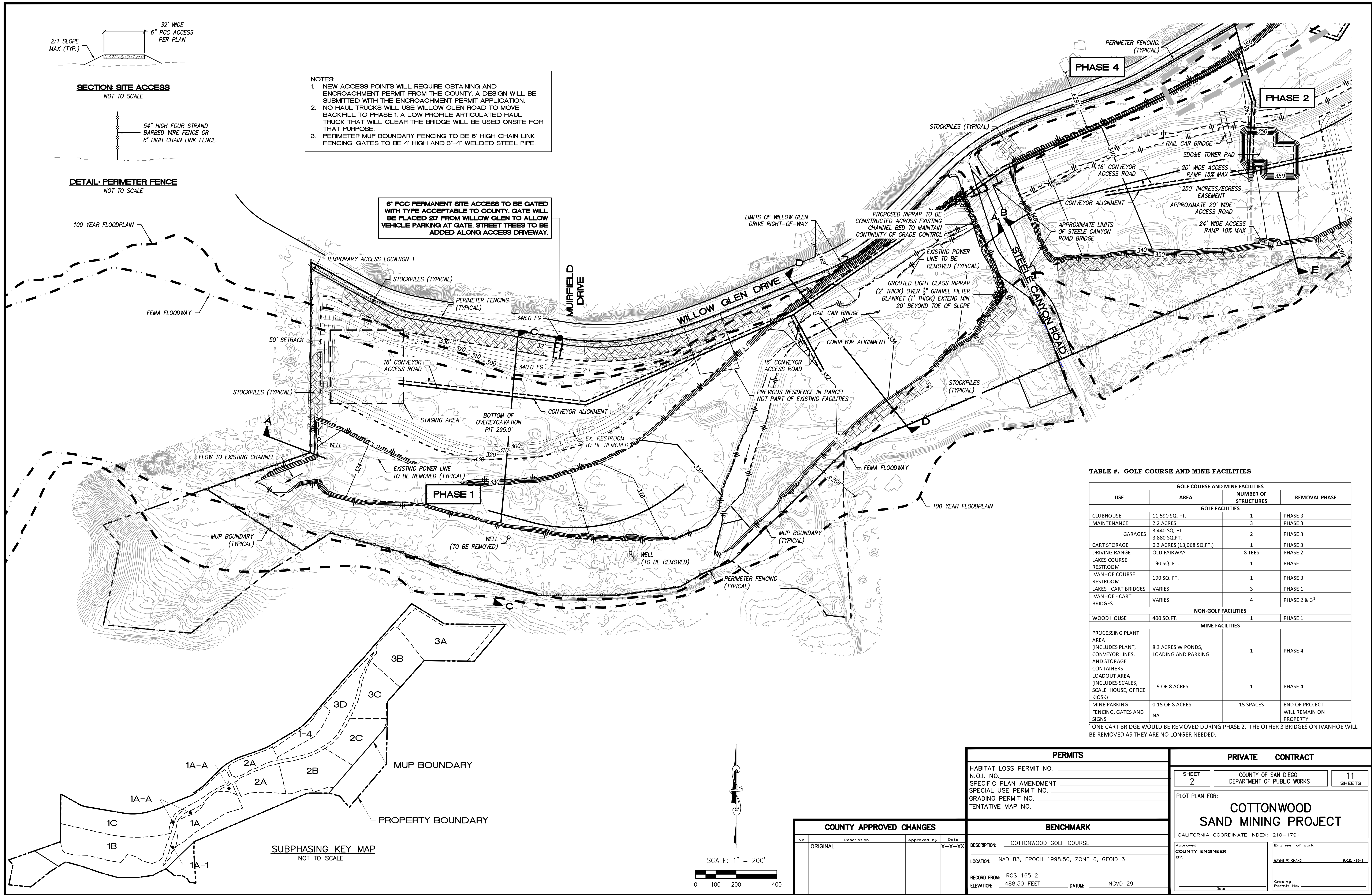
SHEET 1	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	11 SHEETS
RECLAMATION PLAN FOR: COTTONWOOD SAND MINING PROJECT CALIFORNIA COORDINATE INDEX: 210-1791		
Approved COUNTY ENGINEER BY:	Engineer of work WAYNE W. CHANG R.C.E. 46548	
Date	Grading Permit No.	

FILE NO.

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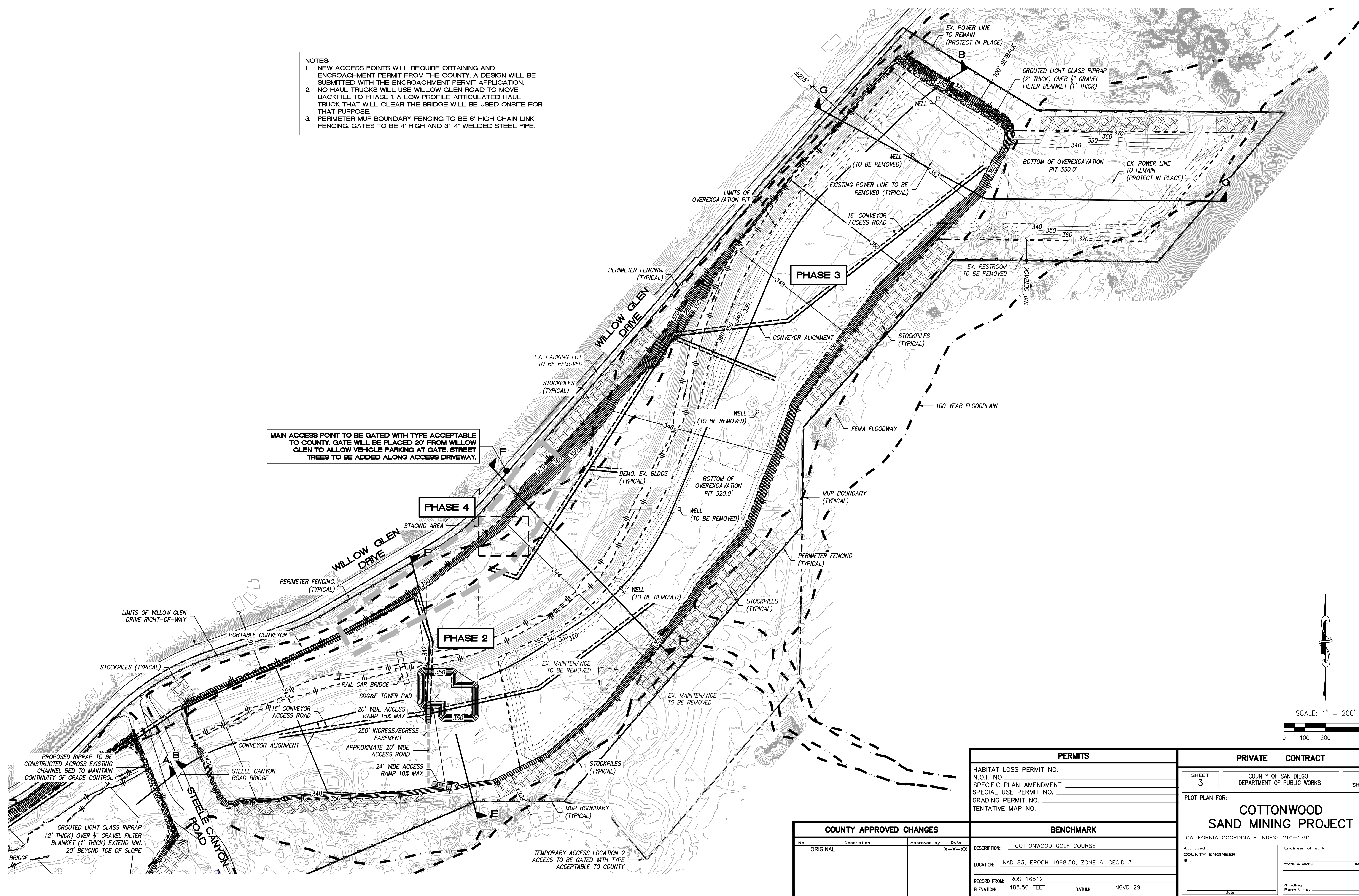
FOR REVIEW ONLY

ENGINEER'S NAME: CHANG CONSULTANTS
PHONE NO. (858) 692-0760



- NOTES:
1. NEW ACCESS POINTS WILL REQUIRE OBTAINING AND ENCROACHMENT PERMIT FROM THE COUNTY. A DESIGN WILL BE SUBMITTED WITH THE ENCROACHMENT PERMIT APPLICATION.
 2. NO HAUL TRUCKS WILL USE WILLOW GLEN ROAD TO MOVE BACKFILL TO PHASE 1. A LOW PROFILE ARTICULATED HAUL TRUCK THAT WILL CLEAR THE BRIDGE WILL BE USED ONSITE FOR THAT PURPOSE.
 3. PERIMETER MUP BOUNDARY FENCING TO BE 6' HIGH CHAIN LINK FENCING. GATES TO BE 4' HIGH AND 3'-4" WELDED STEEL PIPE.

MAIN ACCESS POINT TO BE GATED WITH TYPE ACCEPTABLE TO COUNTY. GATE WILL BE PLACED 20' FROM WILLOW GLEN TO ALLOW VEHICLE PARKING AT GATE. STREET TREES TO BE ADDED ALONG ACCESS DRIVEWAY.



COUNTY APPROVED CHANGES			
No.	Description	Approved by	Date
ORIGINAL			X-X-XX

PERMITS	
HABITAT LOSS PERMIT NO.	
N.O.I. NO.	
SPECIFIC PLAN AMENDMENT	
SPECIAL USE PERMIT NO.	
GRADING PERMIT NO.	
TENTATIVE MAP NO.	

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PRIVATE CONTRACT	
SHEET 3	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS
11 SHEETS	

PLOT PLAN FOR:

COTTONWOOD SAND MINING PROJECT

CALIFORNIA COORDINATE INDEX: 210-1791

Approved COUNTY ENGINEER BY:	Engineer of work WAYNE W. CHANG R.C.E. 46548
Date	Grading Permit No.

20'

110 V 15amp duplex outlet

J-box / phone

3' 0" x 6' 8" door

24" X 54" window

100 amp main

12,000 BTU A/C & Heat

NOTE: OFFICE BUILDING SHALL BE 8' HIGH

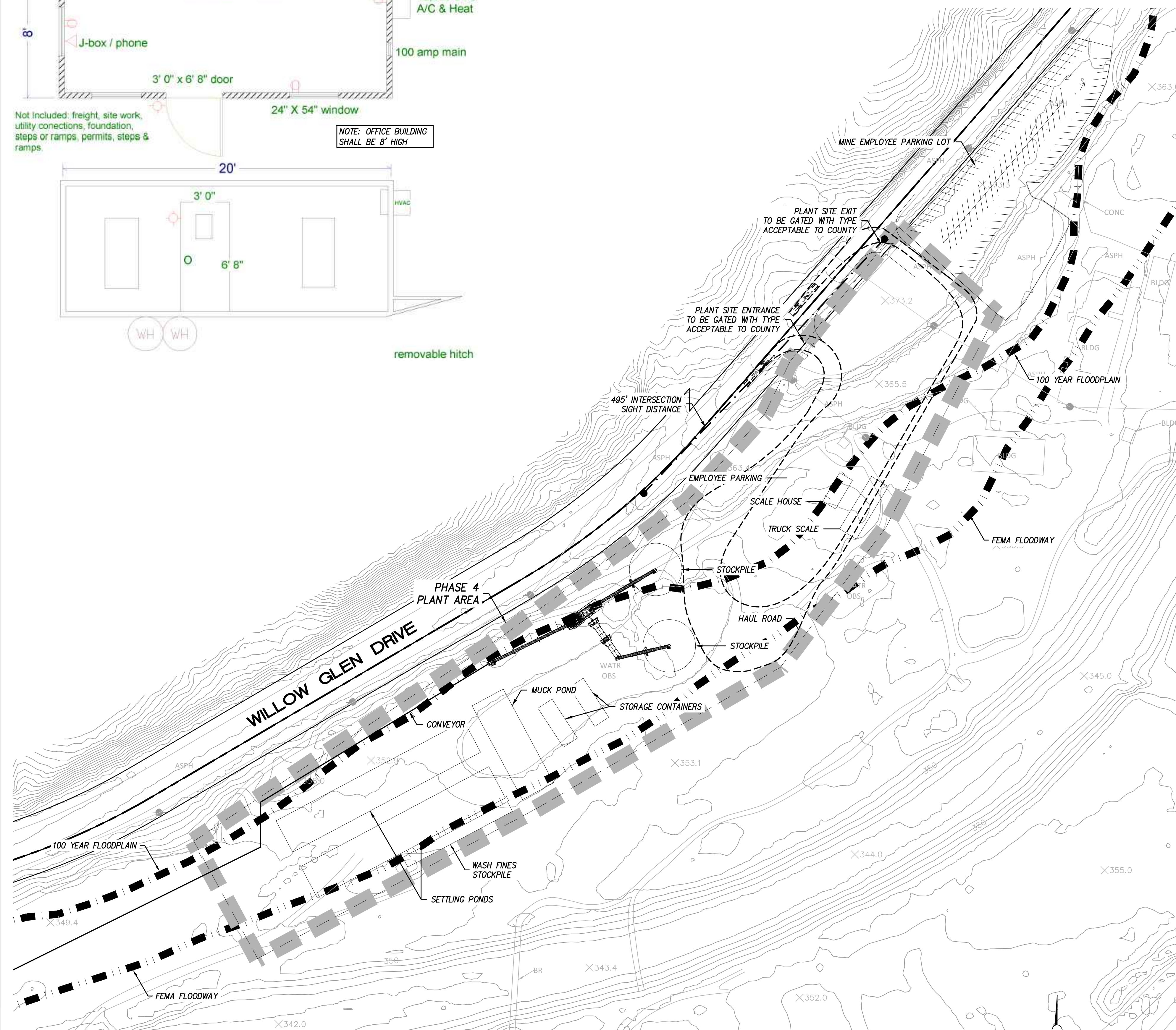
3' 0"

6' 8"

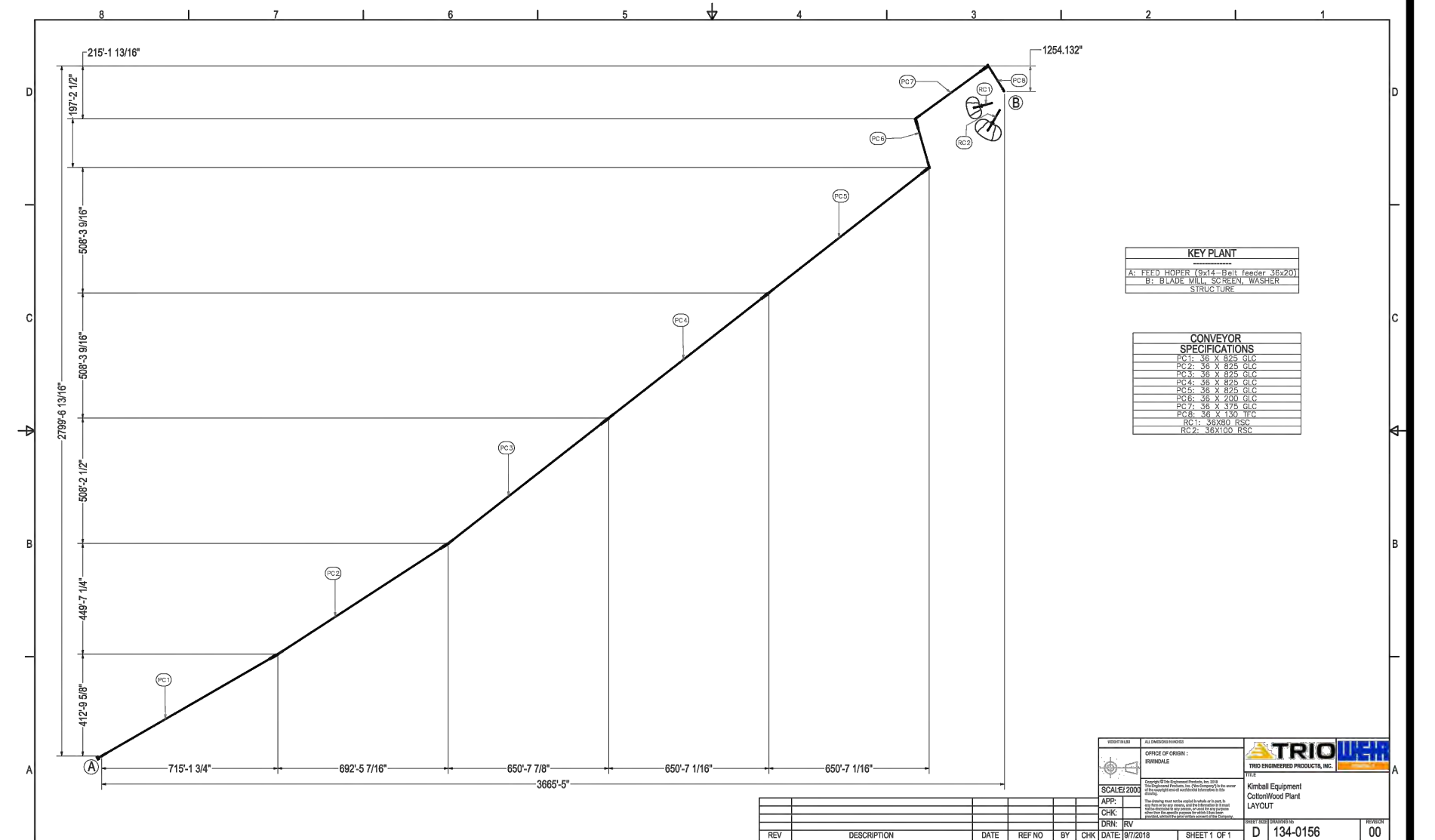
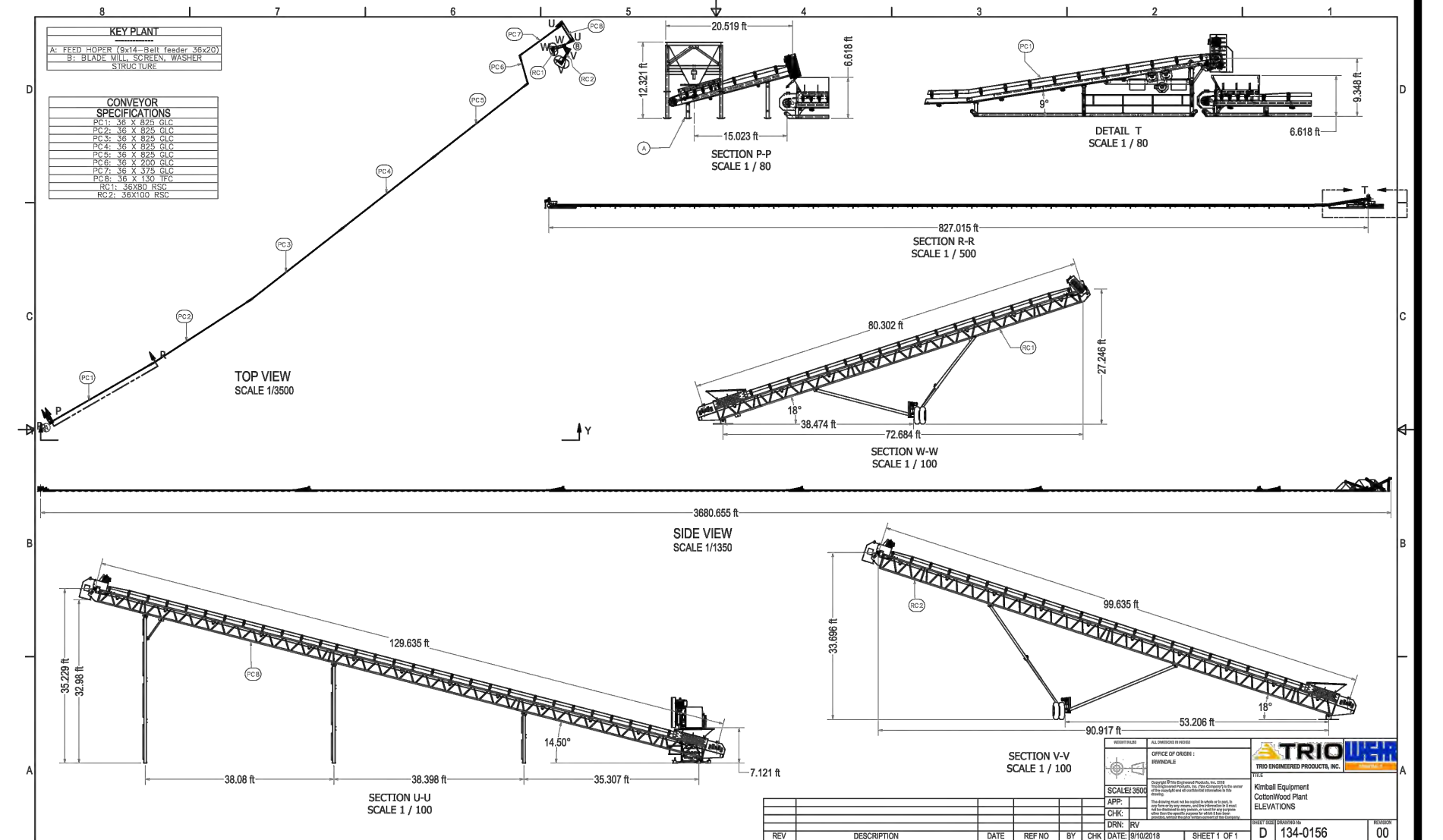
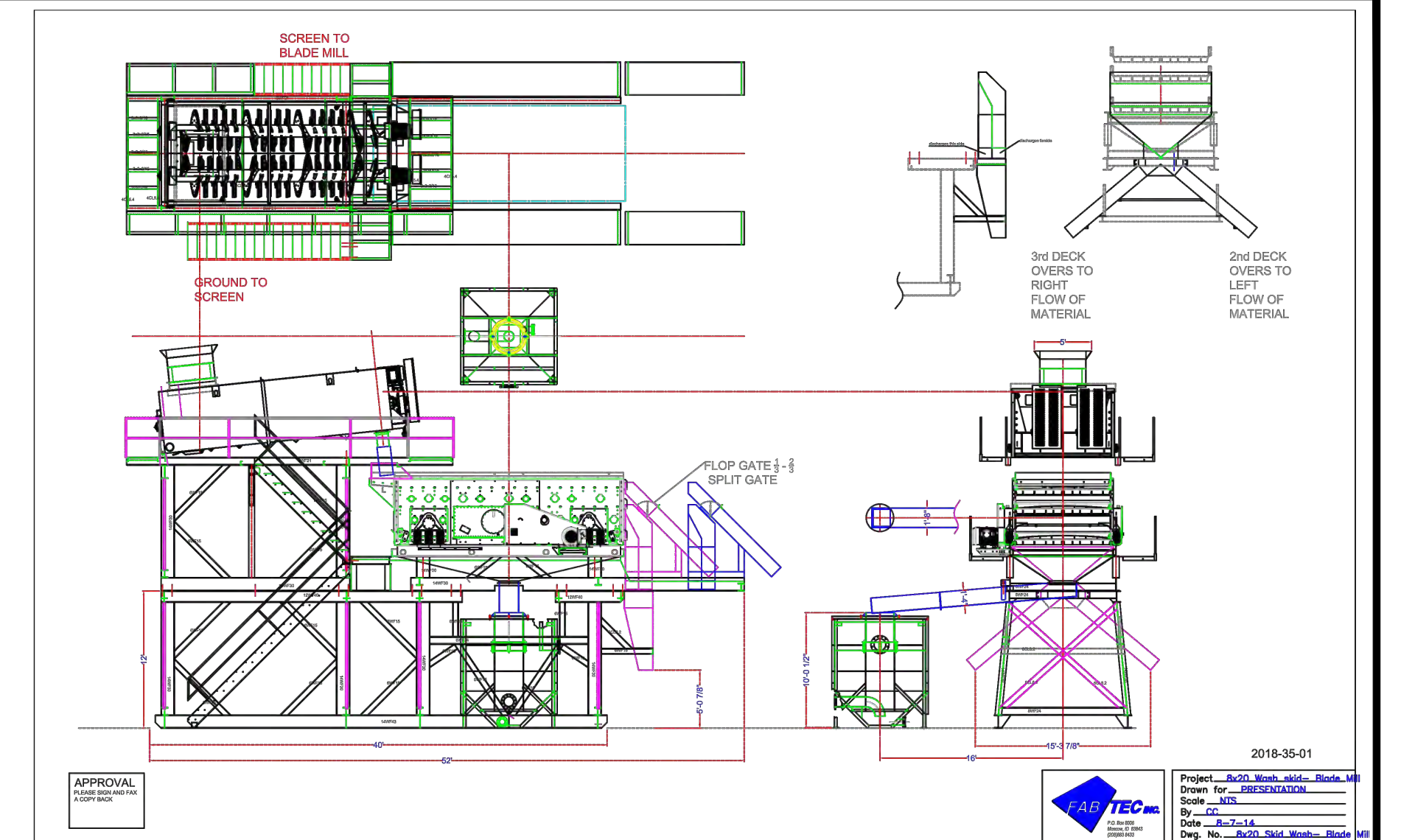
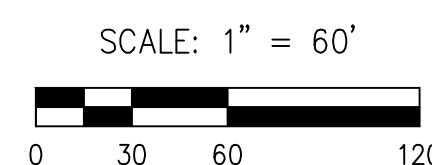
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removable hitch



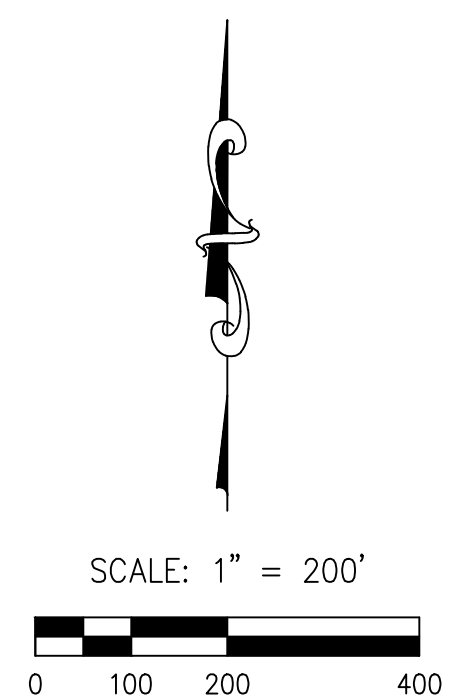
PLANT AREA DETAIL
SCALE: 1" = 80'



<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> PERMITS </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> HABITAT LOSS PERMIT NO. _____ N.O.I. NO. _____ SPECIFIC PLAN AMENDMENT _____ SPECIAL USE PERMIT NO. _____ GRADING PERMIT NO. _____ TENTATIVE MAP NO. _____ </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> BENCHMARK </div> <div style="border: 1px solid black; padding: 5px;"> * DESCRIPTION: _____ COTTONWOOD GOLF COURSE LOCATION: _____ NAD 83, EPOCH 1998.50, ZONE 6, GEOID 3 RECORD FROM: _____ ROS 16512 ELEVATION: _____ 488.50 FEET DATE: _____ NQVD 29 </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; text-align: center;"> PRIVATE CONTRACT </div> <div style="display: flex; justify-content: space-between; align-items: center; border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 15%;"> SHEET 4 </div> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 60%;"> COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS </div> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 15%;"> 11 SHEETS </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> PLOT PLAN FOR: </div> <div style="border: 1px solid black; padding: 5px; text-align: center; margin-bottom: 5px;"> COTTONWOOD SAND MINING PROJECT </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> CALIFORNIA COORDINATE INDEX: 210-1791 </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%; border: 1px solid black; padding: 5px;"> Approved COUNTY ENGINEER BY: _____ _____ Date </div> <div style="width: 35%; border: 1px solid black; padding: 5px;"> Engineer of work WAYNE W. CHANG R.C.E. 48548 Grading Permit No. _____ </div> </div>
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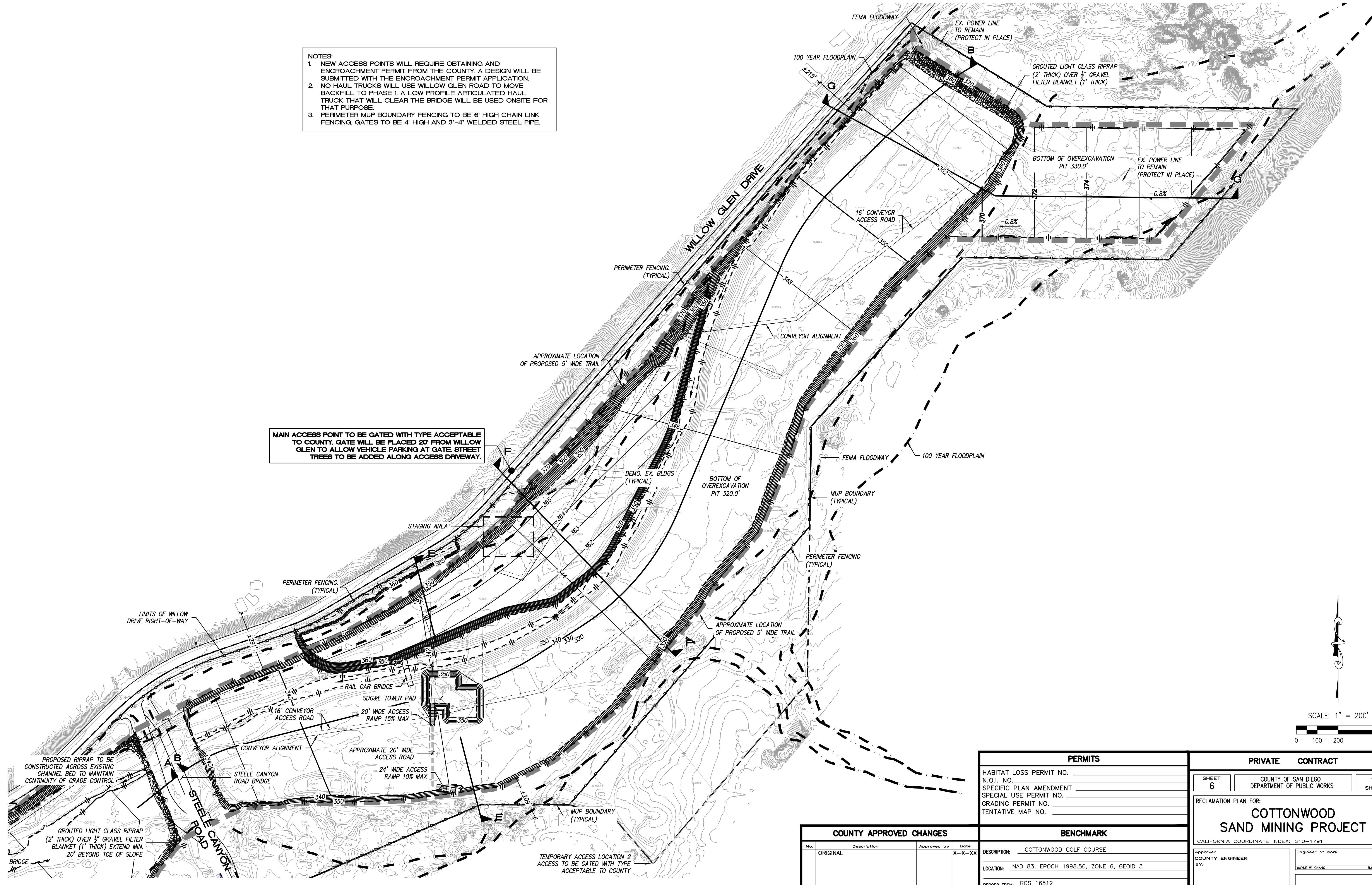
1. NEW ACCESS POINTS WILL REQUIRE OBTAINING AND ENCROACHMENT PERMIT FROM THE COUNTY. A DESIGN WILL BE SUBMITTED WITH THE ENCROACHMENT PERMIT APPLICATION.
2. NO HAUL TRUCKS WILL USE WILLOW GLEN ROAD TO MOVE BACKFILL TO PHASE 1. A LOW PROFILE ARTICULATED HAUL TRUCK THAT CAN CLEAR THE BRIDGE WILL BE USED ONSITE FOR THAT PURPOSE.
3. PERIMETER MUD BOUNDARY FENCING TO BE 6" HIGH CHAIN LINK FENCING. GATES TO BE 4' HIGH AND 3'-4" WELDED STEEL PIPE.

6' PCC PERMANENT SITE ACCESS TO BE GATED WITH TYPE ACCEPTABLE TO COUNTY. GATE WILL BE PLACED 20' FROM WILLOW GLEN TO ALLOW VEHICLE PARKING AT GATE. STREET TREES TO BE ADDED ALONG ACCESS DRIVEWAY.



	<div>PERMITS</div> <div>HABITAT LOSS PERMIT NO. _____ N.O.I. NO. _____ SPECIFIC PLAN AMENDMENT _____ SPECIAL USE PERMIT NO. _____ GRADING PERMIT NO. _____ TENTATIVE MAP NO. _____</div>				<div>PRIVATE CONTRACT</div> <div><div>SHEET 5</div><div>COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS</div><div>11 SHEETS</div></div> <div>RECLAMATION PLAN FOR: COTTONWOOD SAND MINING PROJECT CALIFORNIA COORDINATE INDEX: 210-1791</div> <div><div>Approved COUNTY ENGINEER BY: _____ _____ Date</div><div>Engineer of work _____ WAYNE W. CHANG R.C.E. 46548 _____ Grading Permit No. _____</div></div>										
	<div>COUNTY APPROVED CHANGES</div> <table><thead><tr><th>No.</th><th>Description</th><th>Approved by</th><th>Date</th></tr></thead><tbody><tr><td></td><td>ORIGINAL</td><td></td><td>X-X-XX</td></tr></tbody></table>				No.	Description	Approved by	Date		ORIGINAL		X-X-XX	<div>BENCHMARK</div> <div>DESCRIPTION: COTTONWOOD GOLF COURSE</div> <div>LOCATION: NAD 83, EPOCH 1998.50, ZONE 6, GEOID 3</div> <div>RECORD FROM: ROS 16512</div> <div>ELEVATION: 488.50 FEET DATUM: NGVD 29</div>		
No.	Description	Approved by	Date												
	ORIGINAL		X-X-XX												

- NOTES:
1. NEW ACCESS POINTS WILL REQUIRE OBTAINING AND ENCROACHMENT PERMIT FROM THE COUNTY. A DESIGN WILL BE SUBMITTED WITH THE ENCROACHMENT PERMIT APPLICATION.
 2. NO HAUL TRUCKS WILL USE WILLOW GLEN ROAD TO MOVE BACKFILL TO PHASE 1. A LOW PROFILE ARTICULATED HAUL TRUCK THAT WILL CLEAR THE BRIDGE WILL BE USED ONSITE FOR THAT PURPOSE.
 3. PERIMETER MUP BOUNDARY FENCING TO BE 6' HIGH CHAIN LINK FENCING. GATES TO BE 4' HIGH AND 3'-4" WELDED STEEL PIPE.

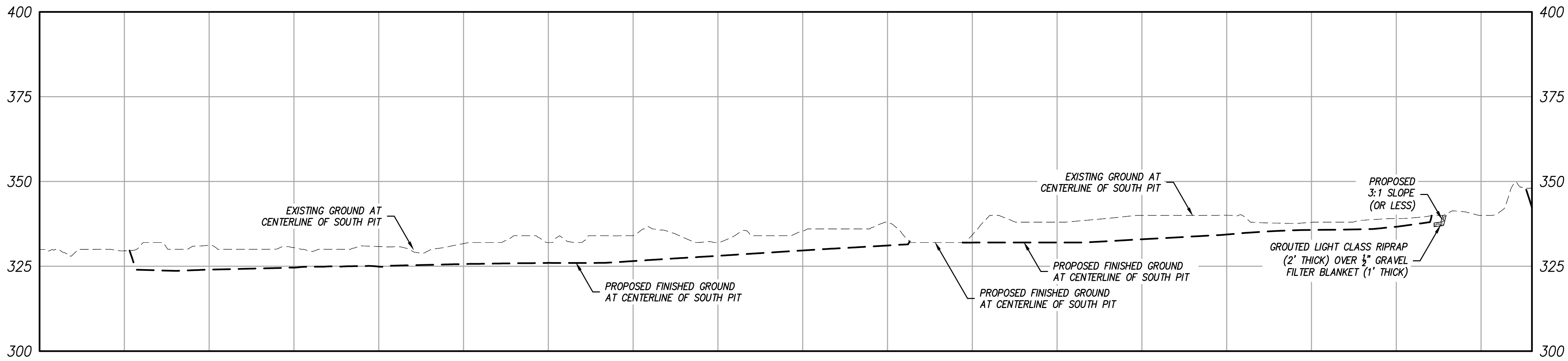


MAIN ACCESS POINT TO BE GATED WITH TYPE ACCEPTABLE TO COUNTY. GATE WILL BE PLACED 20' FROM WILLOW GLEN TO ALLOW VEHICLE PARKING AT GATE. STREET TREES TO BE ADDED ALONG ACCESS DRIVEWAY.

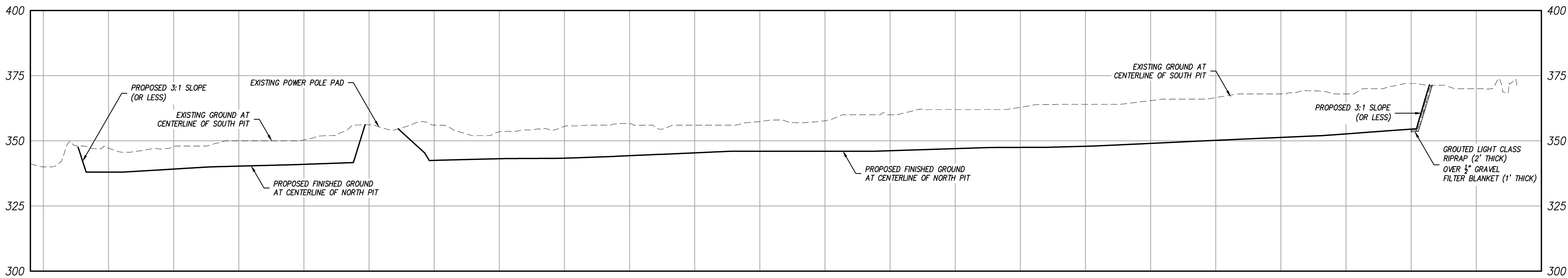
PROPOSED RIPRAP TO BE CONSTRUCTED ACROSS EXISTING CHANNEL BED TO MAINTAIN CONTINUITY OF GRADE CONTROL

GROUTED LIGHT CLASS RIPRAP (2' THICK) OVER 1/2" GRAVEL FILTER BLANKET (1' THICK) EXTEND MIN. 20' BEYOND TOE OF SLOPE

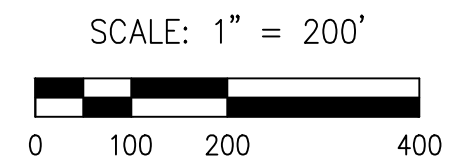
COUNTY APPROVED CHANGES				PERMITS		PRIVATE CONTRACT	
No.	Description	Approved by	Date	HABITAT LOSS PERMIT NO.	SHEET	COUNTY OF SAN DIEGO	11 SHEETS
ORIGINAL			X-X-XX	N.O.I. NO.	6	DEPARTMENT OF PUBLIC WORKS	
				SPECIFIC PLAN AMENDMENT	RECLAMATION PLAN FOR:		
				SPECIAL USE PERMIT NO.	COTTONWOOD SAND MINING PROJECT		
				GRADING PERMIT NO.	CALIFORNIA COORDINATE INDEX: 210-1791		
				TENTATIVE MAP NO.	Approved COUNTY ENGINEER BY: WAYNE W. CHANG E.C.E. 46548		
					Engineer of work: WAYNE W. CHANG E.C.E. 46548		
					Grading Permit No.:		
				DESCRIPTION: COTTONWOOD GOLF COURSE	Date:		
				LOCATION: NAD 83, EPOCH 1998.50, ZONE 6, GEOID 3			
				RECORD FROM: ROS 16512			
				ELEVATION: 488.50 FEET DATUM: NGVD 29			



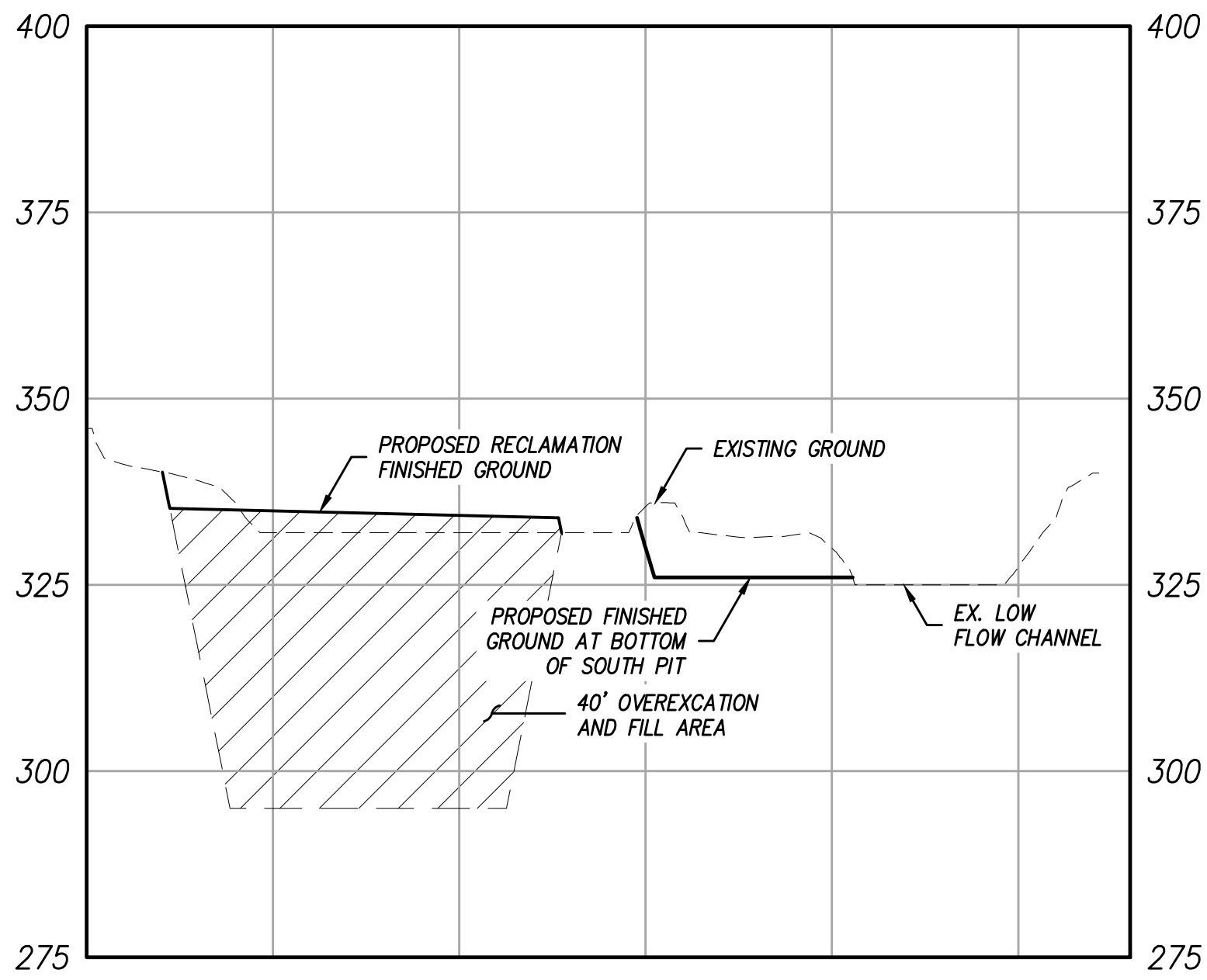
SECTION A-A
SCALE HORIZ/VERT: 1" = 200'



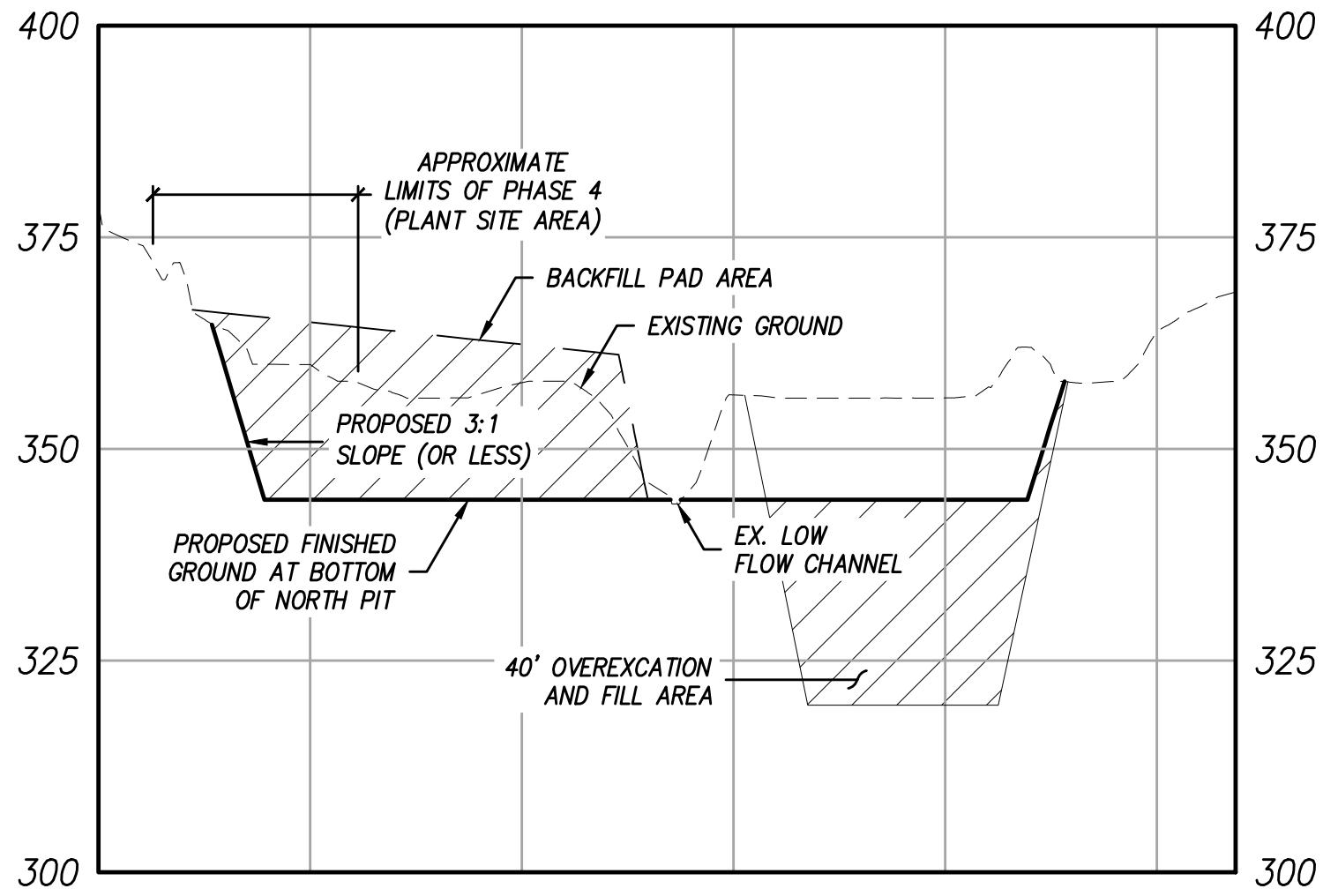
SECTION B-B
SCALE HORIZ/VERT: 1" = 200'



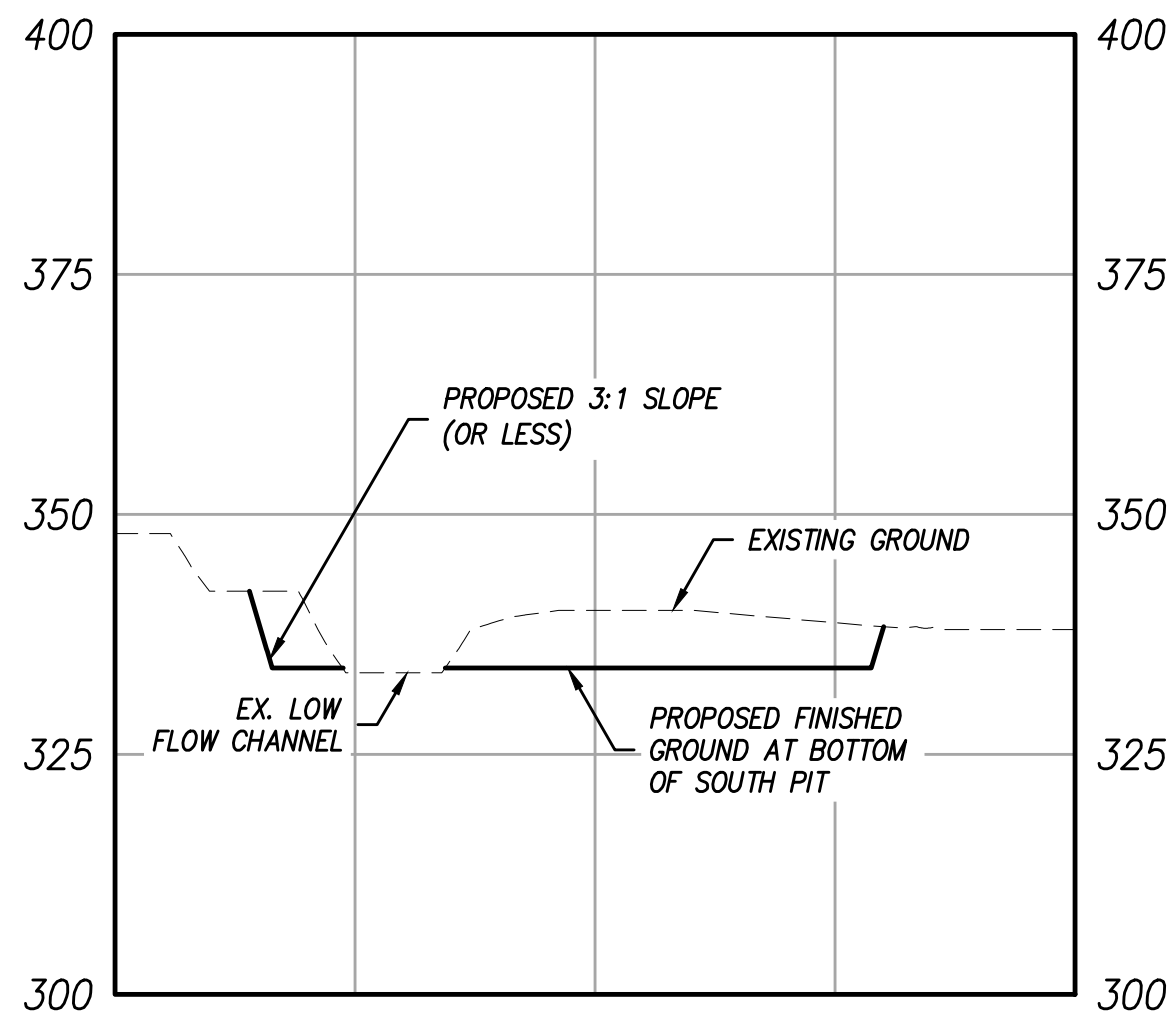
COUNTY APPROVED CHANGES				PERMITS		PRIVATE CONTRACT	
No.	Description	Approved by	Date	HABITAT LOSS PERMIT NO. _____		SHEET 7	
ORIGINAL			X-X-XX	N.O.I. NO. _____		COUNTY OF SAN DIEGO	
				SPECIFIC PLAN AMENDMENT _____		DEPARTMENT OF PUBLIC WORKS	
				SPECIAL USE PERMIT NO. _____		11 SHEETS	
				GRADING PERMIT NO. _____		SITE CROSS-SECTIONS FOR:	
				TENTATIVE MAP NO. _____		COTTONWOOD SAND MINING PROJECT	
BENCHMARK				DESCRIPTION: COTTONWOOD GOLF COURSE		CALIFORNIA COORDINATE INDEX: 210-1791	
				LOCATION: NAD 83, EPOCH 1998.50, ZONE 6, GEOID 3		Approved COUNTY ENGINEER	
				RECORD FROM: ROS 16512		BY: WAYNE W. CHANG R.C.E. 46548	
				ELEVATION: 488.50 FEET DATUM: NGVD 29		Engineer of work	
						Grading Permit No. _____	
						Date _____	



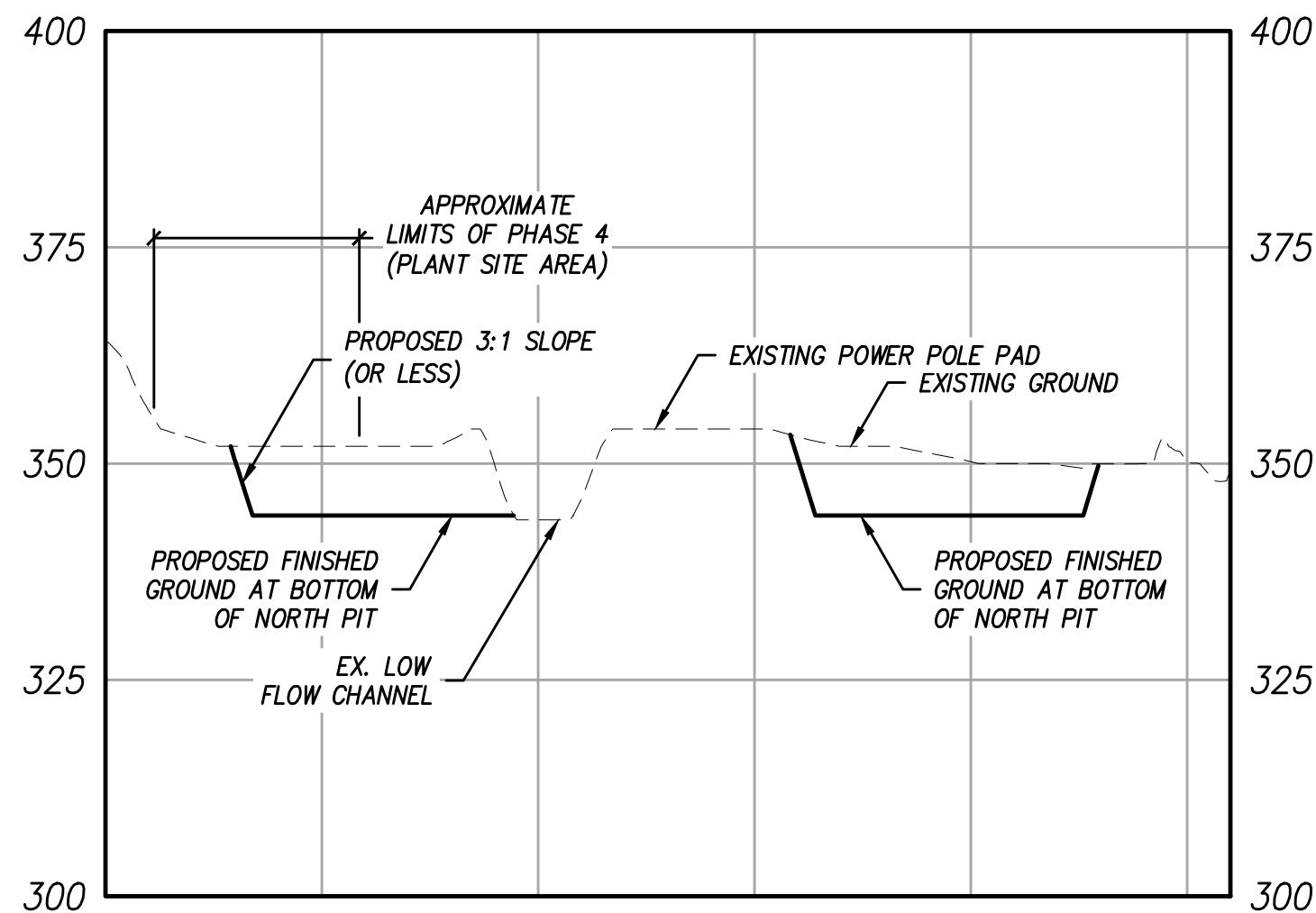
SECTION C-C
SCALE HORIZ/VERT: 1" = 200'



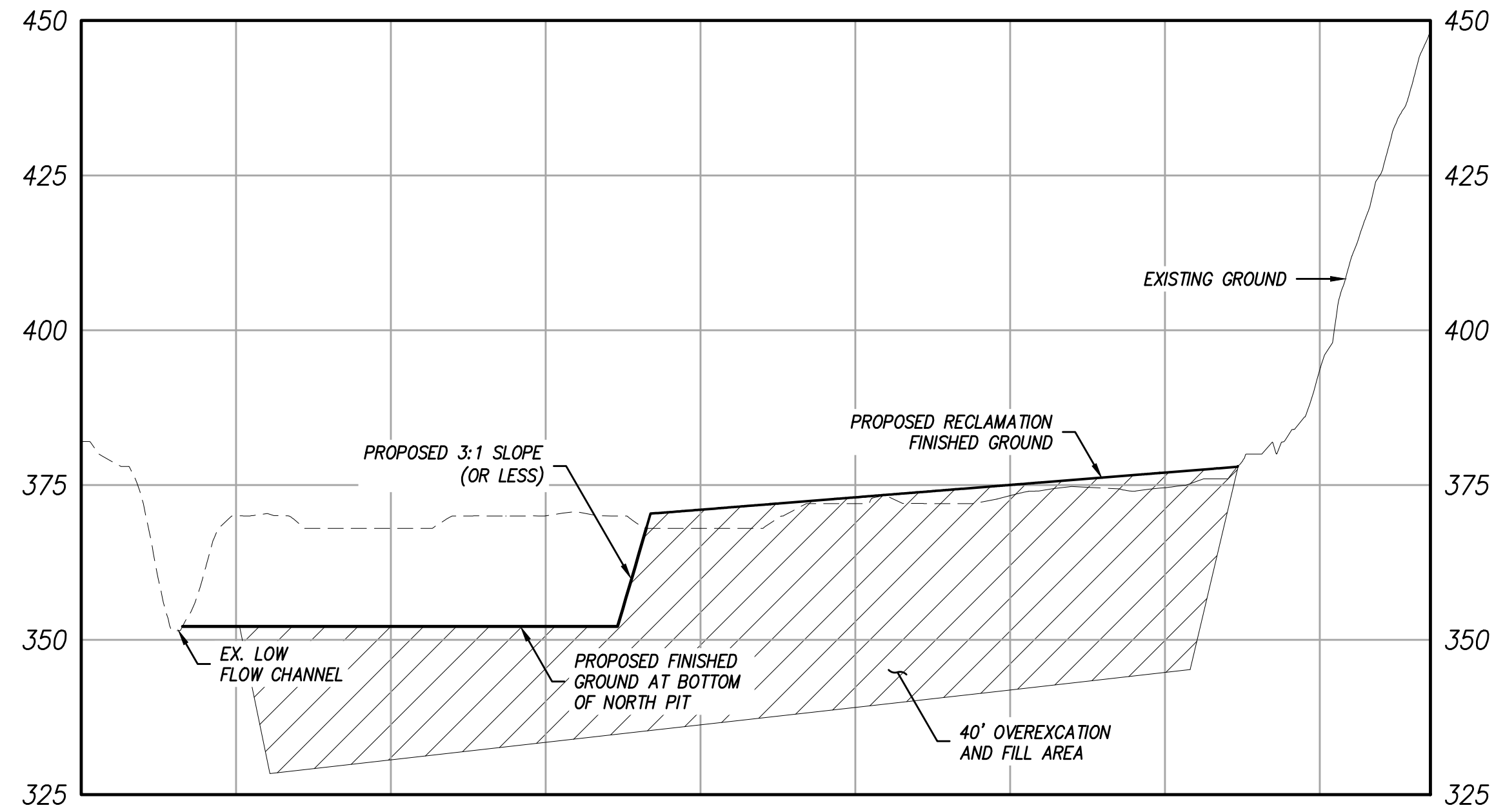
SECTION F-F
SCALE HORIZ/VERT: 1" = 200'



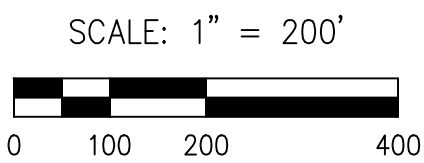
SECTION D-D
SCALE HORIZ/VERT: 1" = 200'



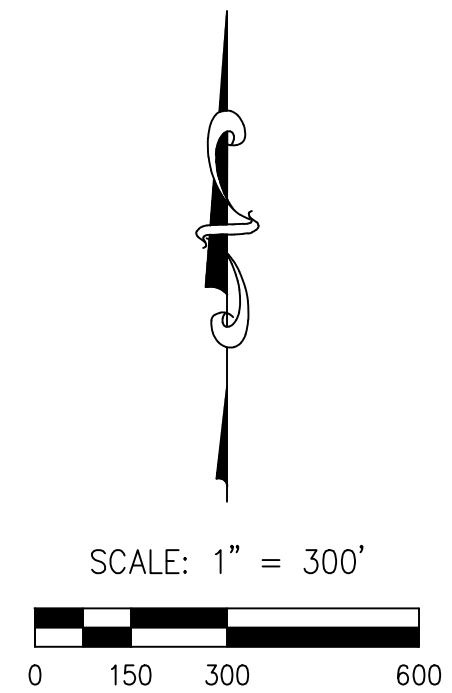
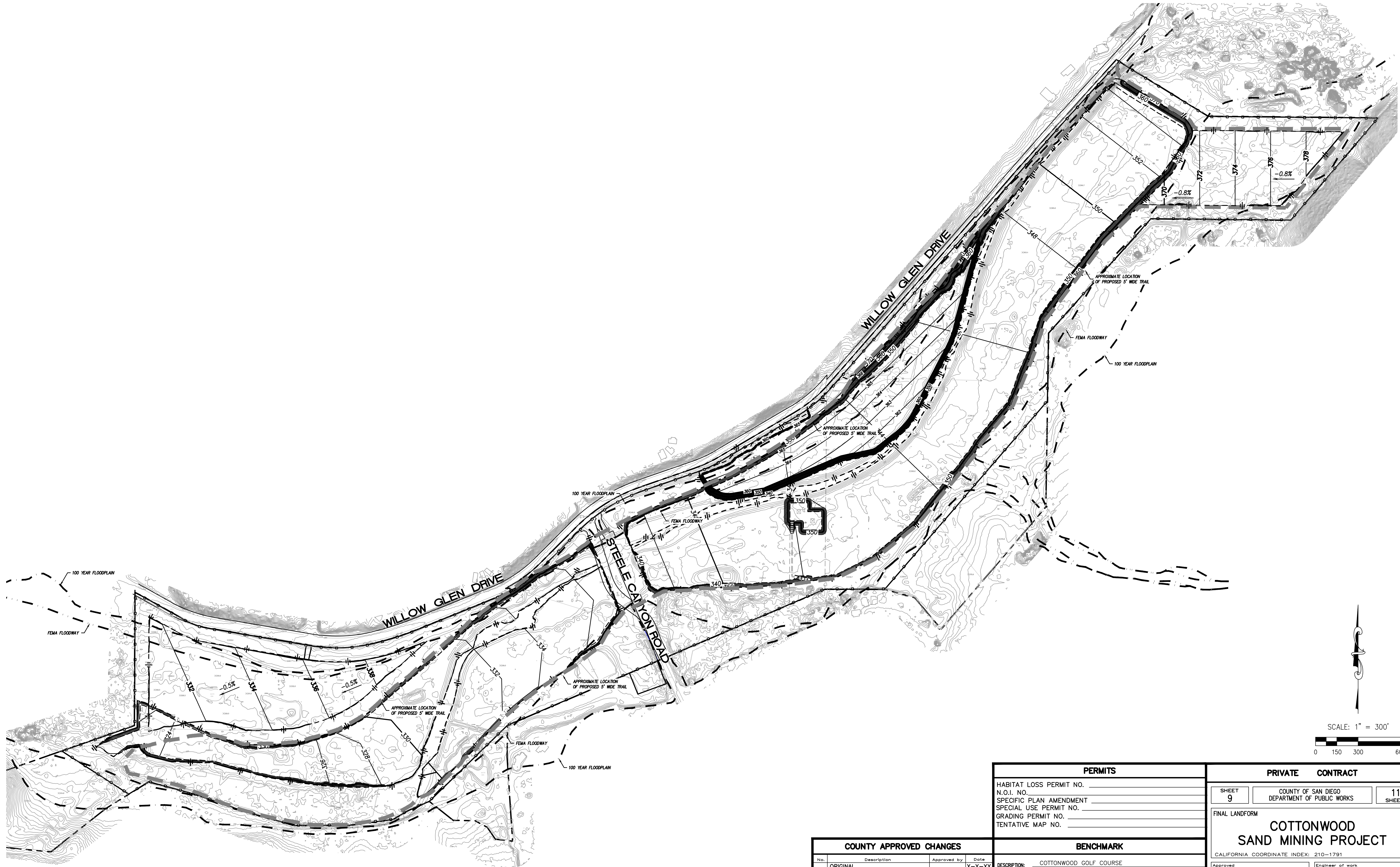
SECTION E-E
SCALE HORIZ/VERT: 1" = 200'



SECTION G-G
SCALE HORIZ/VERT: 1" = 200'



COUNTY APPROVED CHANGES				PERMITS		PRIVATE CONTRACT	
No.	Description	Approved by	Date	HABITAT LOSS PERMIT NO. _____		SHEET 8	
	ORIGINAL		X-X-XX	N.O.I. NO. _____		COUNTY OF SAN DIEGO	
				SPECIFIC PLAN AMENDMENT		DEPARTMENT OF PUBLIC WORKS	
				SPECIAL USE PERMIT NO. _____		11 SHEETS	
				GRADING PERMIT NO. _____		SITE CROSS-SECTIONS FOR:	
				TENTATIVE MAP NO. _____		COTTONWOOD SAND MINING PROJECT	
				BENCHMARK		CALIFORNIA COORDINATE INDEX: 210-1791	
				DESCRIPTION: COTTONWOOD GOLF COURSE		Approved BY: COUNTY ENGINEER	
				LOCATION: NAD 83, EPOCH 1998.50, ZONE 6, GEOID 3		Engineer of work: WAYNE W. CHANG R.C.E. 46548	
				RECORD FROM: ROS 16512		Grading Permit No. _____	
				ELEVATION: 488.50 FEET DATUM: NGVD 29		Date _____	



COUNTY APPROVED CHANGES				PERMITS		PRIVATE CONTRACT	
No.	Description	Approved by	Date	HABITAT LOSS PERMIT NO. _____		SHEET 9	
	ORIGINAL		X-X-XX	N.O.I. NO. _____		COUNTY OF SAN DIEGO	
				SPECIFIC PLAN AMENDMENT		DEPARTMENT OF PUBLIC WORKS	
				SPECIAL USE PERMIT NO. _____		11 SHEETS	
				GRADING PERMIT NO. _____		FINAL LANDFORM	
				TENTATIVE MAP NO. _____		COTTONWOOD SAND MINING PROJECT	
				BENCHMARK		CALIFORNIA COORDINATE INDEX: 210-1791	
				DESCRIPTION: COTTONWOOD GOLF COURSE		Approved COUNTY ENGINEER BY: _____	
				LOCATION: NAD 83, EPOCH 1998.50, ZONE 6, GEOID 3		Engineer of work WAYNE W. CHANG R.C.E. 46548	
				RECORD FROM: ROS 16512		Grading Permit No. _____	
				ELEVATION: 488.50 FEET DATUM: NGVD 29		Date _____	

FOR REVIEW ONLY

REVEGETATION AREAS

- EROSION CONTROL SEED MIX
- MULE FAT SCRUB REVEGETATION
- SOUTHERN WILLOW SCRUB
- COASTAL SAGE SCRUB

Coastal Sage Scrub Seed Mix

Container Plantings				
Species	Common Name	Spacing on Center (ft.)	Grouping Size	Number Per Acre
Artemisia californica	California sagebrush	5	10	350
Encelia californica	California encelia	5	10	200
Eriogonum fasciculatum ssp. fasciculatum	California buckwheat	5	10	350
Heteromeles arbutifolia	toyon	12	6	30
Malosma laurina	laurel sumac	12	6	90
Rhus integrifolia	lemonadeberry	12	6	50
Salvia mellifera	black sage	5	10	200
Sambucus nigra	Mexican elderberry	12	6	30
Total				1,300

Seed Mixture			
Scientific Name	Common Name	%Purity/ Germination	Pounds per Acre
Acmispon glaber	deerweed	95/80	1
Artemisia californica	California sagebrush	30/60	3
Baccharis pilularis	coyote brush	10/50	1
Deinandra fasciculata	fascicled tarplant	25/65	2
Encelia californica	California encelia	30/45	3
Eriogonum fasciculatum	California buckwheat	55/20	6
Eriophyllum confertiflorum	golden-yarrow	30/70	2
Eschscholzia californica	California poppy	98/80	2
Isocoma menziesii	goldenbush	18/40	1
Lasthenia gracilis	common goldfields	70/50	2
Lupinus succulentus	arroyo lupine	98/85	2
Mimulus aurantiacus	monkeyflower	2/75	2
Stipa pulchra	purple needlegrass	90/80	6
Plantago erecta	dot-seed plantain	97/89	2
Salvia mellifera	black sage	85/50	3
Sisyrinchium bellum	blue-eyed grass	98/80	2
Total			40

Erosion Control Seed Mix

Species	Common Name	Pounds per Acre
Ambrosia psilostachya	western ragweed	6
Bromus carinatus	California bromegrass	8
Vulpia microstachys	small fescue	6
Plantago insularis	plantain	20
Total		40

Southern Willow Scrub Plant Palette (Riparian)

Container Plantings				
Species	Common Name	Spacing on Center (ft.)	Grouping Size	Number Per Acre
Baccharis salicifolia	mule fat	6	3	230
Platanus racemosa	western sycamore	15	3	25
Populus fremonti ssp. fremonti	western cottonwood	15	3	25
Salix exigua	sand bar willow	8	3	90
Salix gooddingii	black willow	12	3	120
Salix laevigata	red willow	12	3	120
Salix lasiolepis	arroyo willow	12	3	120
Sambucus nigra	Mexican elderberry	10	3	85
Total				815
Seed Mixture				
Scientific Name	Common Name	%Purity/ Germination	Pounds per Acre	
Ambrosia psilostachya	western ragweed	45/45	4	
Anemopsis californica	yerba mansa	55/80	2	
Artemisia douglasiana	Douglas mugwort	15/40	3	
Artemisia palmeri	Palmer's sagebrush	20/50	2	
Baccharis salicifolia	mule fat	10/20	3	
bolboschoenus maritimus	bulrush	90/60	1	
Cyperus eragrostis	tall flatsedge	80/75	1	
Distichlis spicata	saltgrass	90/75	2	
Eleocharis macrostachys	pale spike-rush	95/60	1	
Juncus acutus ssp. leopoldii	southwestern spiny rush	95/80	0.5	
Juncus effusus var. pacificus	Pacific rush	95/60	0.5	
Oenothera elata ssp. hookeri	evening primrose	98/84	0.5	
Pluchea odorata	salt marsh fleabane	30/40	2	
Total			22.5	

Mule Fat Scrub Seed Mix

Container Plantings				
Species	Common Name	Spacing on Center (ft.)	Grouping Size	Number Per Acre
Baccharis salicifolia	mule fat	6	60	950
Salix lasiolepis	arroyo willow	12	3	80
Sambucus nigra	Mexican elderberry	10	5	110
Total				1,140
Seed Mixture				
Scientific Name	Common Name	%Purity/ Germination	Pounds per Acre	
Ambrosia psilostachya	western ragweed	45/45	3	
Artemisia douglasiana	Douglas mugwort	15/40	2	
Artemisia palmeri	Palmer's sagebrush	20/50	2	
Baccharis sarothroides	broom baccharis	7/42	1	
Distichlis spicata	saltgrass	90/75	2	
Isocoma menziesii var. menziesii	goldenbush	18/40	2	
Total			12	

FOR REVIEW ONLY

SCALE: 1" = 300'

0 150 300 600

PERMITS
HABITAT LOSS PERMIT NO. _____
N.O.I. NO. _____
SPECIFIC PLAN AMENDMENT _____
SPECIAL USE PERMIT NO. _____
GRADING PERMIT NO. _____
TENTATIVE MAP NO. _____

PRIVATE	CONTRACT
SHEET 10	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS
11 SHEETS	REVEGETATION PLAN FOR: COTTONWOOD SAND MINING PROJECT
CALIFORNIA COORDINATE INDEX: 210-1791	
Approved COUNTY ENGINEER BY: _____	Engineer of work WAYNE W. CHANG R.C.E. 46548
Date _____	Grading Permit No. _____

COUNTY APPROVED CHANGES	
No. Description Approved by Date	
ORIGINAL _____ X-X-XX	

BENCHMARK
DESCRIPTION: COTTONWOOD GOLF COURSE
LOCATION: NAD 83, EPOCH 1998.50, ZONE 6, GEOID 3
RECORD FROM: ROS 16512
ELEVATION: 488.50 FEET DATUM: NGVD 29

FILE NO.

10/5/2019 1:09 AM

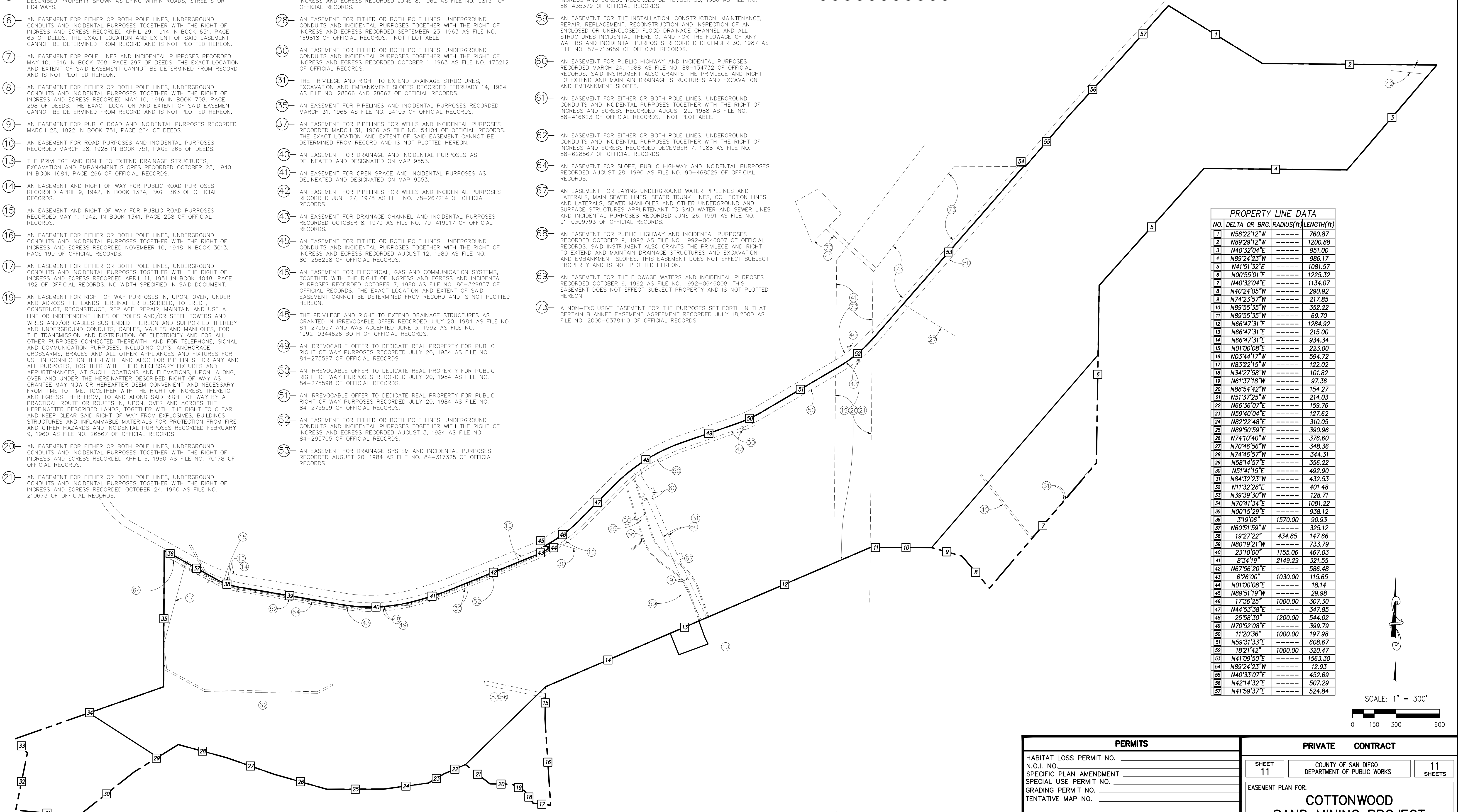
THIS SURVEY WAS BASED ON A PRELIMINARY TITLE REPORT ISSUED BY FIRST AMERICAN TITLE COMPANY, AS ORDER NO. 1235014-20, DATED FEBRUARY 12, 2002. EFFECTS OF AGREEMENTS, PERMITS, LIENS, ASSESSMENTS, LEASES, COVENANTS, AND/OR RESTRICTIONS APPEARING IN SAID POLICY AS ITEM NOS. 1-4, 11, 12, 18, 22-24, 26, 29, 32-34, 36, 38, 39, 44, 47, 54, 55, 57, 63, 65, 66, AND 70-72, INCLUSIVE, ARE NOT NOTED ON THIS SURVEY.

- 5
- RIGHTS OF THE PUBLIC IN AND TO ANY PORTION OF THE HEREIN DESCRIBED PROPERTY SHOWN AS LYING WITHIN ROADS, STREETS OR HIGHWAYS.
- 6
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED APRIL 29, 1914 IN BOOK 651, PAGE 63 OF DEEDS. THE EXACT LOCATION AND EXTENT OF SAID EASEMENT CANNOT BE DETERMINED FROM RECORD AND IS NOT PLOTTED HEREON.
- 7
- AN EASEMENT FOR POLE LINES AND INCIDENTAL PURPOSES RECORDED MAY 10, 1916 IN BOOK 708, PAGE 297 OF DEEDS. THE EXACT LOCATION AND EXTENT OF SAID EASEMENT CANNOT BE DETERMINED FROM RECORD AND IS NOT PLOTTED HEREON.
- 8
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED MAY 10, 1916 IN BOOK 708, PAGE 298 OF DEEDS. THE EXACT LOCATION AND EXTENT OF SAID EASEMENT CANNOT BE DETERMINED FROM RECORD AND IS NOT PLOTTED HEREON.
- 9
- AN EASEMENT FOR PUBLIC ROAD AND INCIDENTAL PURPOSES RECORDED MARCH 28, 1922 IN BOOK 751, PAGE 264 OF DEEDS.
- 10
- AN EASEMENT FOR ROAD PURPOSES AND INCIDENTAL PURPOSES RECORDED MARCH 28, 1928 IN BOOK 751, PAGE 265 OF DEEDS.
- 13
- THE PRIVILEGE AND RIGHT TO EXTEND DRAINAGE STRUCTURES, EXCAVATION AND EMBANKMENT SLOPES RECORDED OCTOBER 23, 1940 IN BOOK 1084, PAGE 266 OF OFFICIAL RECORDS.
- 14
- AN EASEMENT AND RIGHT OF WAY FOR PUBLIC ROAD PURPOSES RECORDED APRIL 9, 1942, IN BOOK 1324, PAGE 363 OF OFFICIAL RECORDS.
- 15
- AN EASEMENT AND RIGHT OF WAY FOR PUBLIC ROAD PURPOSES RECORDED MAY 1, 1942, IN BOOK 1341, PAGE 258 OF OFFICIAL RECORDS.
- 16
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED NOVEMBER 10, 1948 IN BOOK 3013, PAGE 199 OF OFFICIAL RECORDS.
- 17
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED APRIL 11, 1951 IN BOOK 4048, PAGE 482 OF OFFICIAL RECORDS. NO WIDTH SPECIFIED IN SAID DOCUMENT.
- 19
- AN EASEMENT FOR RIGHT OF WAY PURPOSES IN, UPON, OVER, UNDER AND ACROSS THE LANDS HEREINAFTER DESCRIBED, TO ERECT, CONSTRUCT, RECONSTRUCT, REPLACE, REPAIR, MAINTAIN AND USE A LINE OR INDEPENDENT LINES OF POLES AND/OR STEEL TOWERS AND WIRES AND/OR CABLES SUSPENDED THEREON AND SUPPORTED THEREBY, AND UNDERGROUND CONDUITS, CABLES, VAULTS AND MANHOLES, FOR THE TRANSMISSION AND DISTRIBUTION OF ELECTRICITY AND FOR ALL OTHER PURPOSES CONNECTED THEREWITH, AND FOR TELEPHONE, SIGNAL AND COMMUNICATION PURPOSES, INCLUDING GUYS, ANCHORAGE, CROSSARMS, BRACES AND ALL OTHER APPLIANCES AND FIXTURES FOR USE IN CONNECTION THEREWITH AND ALSO FOR PIPELINES FOR ANY AND ALL PURPOSES, TOGETHER WITH THEIR NECESSARY FIXTURES AND APPURTENANCES, AT SUCH LOCATIONS AND ELEVATIONS, UPON, ALONG, OVER AND UNDER THE HEREINAFTER DESCRIBED RIGHT OF WAY AS GRANTEE MAY NOW OR HEREAFTER DEEM CONVENIENT AND NECESSARY FROM TIME TO TIME, TOGETHER WITH THE RIGHT OF INGRESS THERETO AND EGRESS THEREFROM, TO AND ALONG SAID RIGHT OF WAY BY A PRACTICAL ROUTE OR ROUTES IN, UPON, OVER AND ACROSS THE HEREINAFTER DESCRIBED LANDS, TOGETHER WITH THE RIGHT TO CLEAR AND KEEP CLEAR SAID RIGHT OF WAY FROM EXPLOSIVES, BUILDINGS, STRUCTURES AND INFLAMMABLE MATERIALS FOR PROTECTION FROM FIRE AND OTHER HAZARDS AND INCIDENTAL PURPOSES RECORDED FEBRUARY 9, 1960 AS FILE NO. 26567 OF OFFICIAL RECORDS.
- 20
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED APRIL 6, 1960 AS FILE NO. 70178 OF OFFICIAL RECORDS.
- 21
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED OCTOBER 24, 1960 AS FILE NO. 210673 OF OFFICIAL REQRDS.
- 25
- AN EASEMENT AND RIGHT OF WAY FOR PUBLIC ROAD PURPOSES RECORDED MARCH 29, 1962 AS FILE NO. 53378 OF OFFICIAL RECORDS.
- 27
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED JUNE 8, 1962 AS FILE NO. 98151 OF OFFICIAL RECORDS.
- 28
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED SEPTEMBER 23, 1963 AS FILE NO. 169818 OF OFFICIAL RECORDS. NOT PLOTTABLE.
- 30
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED OCTOBER 1, 1963 AS FILE NO. 175212 OF OFFICIAL RECORDS.
- 31
- THE PRIVILEGE AND RIGHT TO EXTEND DRAINAGE STRUCTURES, EXCAVATION AND EMBANKMENT SLOPES RECORDED FEBRUARY 14, 1964 AS FILE NO. 28666 AND 28667 OF OFFICIAL RECORDS.
- 35
- AN EASEMENT FOR PIPELINES AND INCIDENTAL PURPOSES RECORDED MARCH 31, 1966 AS FILE NO. 54103 OF OFFICIAL RECORDS.
- 37
- AN EASEMENT FOR PIPELINES FOR WELLS AND INCIDENTAL PURPOSES RECORDED MARCH 31, 1966 AS FILE NO. 54104 OF OFFICIAL RECORDS. THE EXACT LOCATION AND EXTENT OF SAID EASEMENT CANNOT BE DETERMINED FROM RECORD AND IS NOT PLOTTED HEREON.
- 40
- AN EASEMENT FOR DRAINAGE AND INCIDENTAL PURPOSES AS DELINEATED AND DESIGNATED ON MAP 9553.
- 41
- AN EASEMENT FOR OPEN SPACE AND INCIDENTAL PURPOSES AS DELINEATED AND DESIGNATED ON MAP 9553.
- 42
- AN EASEMENT FOR PIPELINES FOR WELLS AND INCIDENTAL PURPOSES RECORDED JUNE 27, 1978 AS FILE NO. 78-267214 OF OFFICIAL RECORDS.
- 43
- AN EASEMENT FOR DRAINAGE CHANNEL AND INCIDENTAL PURPOSES RECORDED OCTOBER 8, 1979 AS FILE NO. 79-419917 OF OFFICIAL RECORDS.
- 45
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED AUGUST 12, 1980 AS FILE NO. 80-256258 OF OFFICIAL RECORDS.
- 46
- AN EASEMENT FOR ELECTRICAL, GAS AND COMMUNICATION SYSTEMS, TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS AND INCIDENTAL PURPOSES RECORDED OCTOBER 7, 1980 AS FILE NO. 80-329857 OF OFFICIAL RECORDS. THE EXACT LOCATION AND EXTENT OF SAID EASEMENT CANNOT BE DETERMINED FROM RECORD AND IS NOT PLOTTED HEREON.
- 48
- THE PRIVILEGE AND RIGHT TO EXTEND DRAINAGE STRUCTURES AS GRANTED IN IRREVOCABLE OFFER RECORDED JULY 20, 1984 AS FILE NO. 84-275597 AND WAS ACCEPTED JUNE 3, 1992 AS FILE NO. 1992-0344626 BOTH OF OFFICIAL RECORDS.
- 49
- AN IRREVOCABLE OFFER TO DEDICATE REAL PROPERTY FOR PUBLIC RIGHT OF WAY PURPOSES RECORDED JULY 20, 1984 AS FILE NO. 84-275597 OF OFFICIAL RECORDS.
- 50
- AN IRREVOCABLE OFFER TO DEDICATE REAL PROPERTY FOR PUBLIC RIGHT OF WAY PURPOSES RECORDED JULY 20, 1984 AS FILE NO. 84-275598 OF OFFICIAL RECORDS.
- 51
- AN IRREVOCABLE OFFER TO DEDICATE REAL PROPERTY FOR PUBLIC RIGHT OF WAY PURPOSES RECORDED JULY 20, 1984 AS FILE NO. 84-275599 OF OFFICIAL RECORDS.
- 52
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED AUGUST 3, 1984 AS FILE NO. 84-295705 OF OFFICIAL RECORDS.
- 53
- AN EASEMENT FOR DRAINAGE SYSTEM AND INCIDENTAL PURPOSES RECORDED AUGUST 20, 1984 AS FILE NO. 84-317325 OF OFFICIAL RECORDS.
- 56
- AN EASEMENT FOR DRAINAGE AND INCIDENTAL PURPOSES RECORDED MAY 1, 1985 AS FILE NO. 85-152525 OF OFFICIAL RECORDS.
- 58
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED SEPTEMBER 30, 1986 AS FILE NO. 86-435379 OF OFFICIAL RECORDS.
- 59
- AN EASEMENT FOR THE INSTALLATION, CONSTRUCTION, MAINTENANCE, REPAIR, REPLACEMENT, RECONSTRUCTION AND INSPECTION OF AN ENCLOSED OR UNENCLOSED FLOOD DRAINAGE CHANNEL AND ALL STRUCTURES INCIDENTAL THERETO, AND FOR THE FLOWAGE OF ANY WATERS AND INCIDENTAL PURPOSES RECORDED DECEMBER 30, 1987 AS FILE NO. 87-713689 OF OFFICIAL RECORDS.
- 60
- AN EASEMENT FOR PUBLIC HIGHWAY AND INCIDENTAL PURPOSES RECORDED MARCH 24, 1988 AS FILE NO. 88-134732 OF OFFICIAL RECORDS. SAID INSTRUMENT ALSO GRANTS THE PRIVILEGE AND RIGHT TO EXTEND AND MAINTAIN DRAINAGE STRUCTURES AND EXCAVATION AND EMBANKMENT SLOPES.
- 61
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED AUGUST 22, 1988 AS FILE NO. 88-416623 OF OFFICIAL RECORDS. NOT PLOTTABLE.
- 62
- AN EASEMENT FOR EITHER OR BOTH POLE LINES, UNDERGROUND CONDUITS AND INCIDENTAL PURPOSES TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS RECORDED DECEMBER 7, 1988 AS FILE NO. 88-628567 OF OFFICIAL RECORDS.
- 64
- AN EASEMENT FOR SLOPE, PUBLIC HIGHWAY AND INCIDENTAL PURPOSES RECORDED AUGUST 28, 1990 AS FILE NO. 90-468529 OF OFFICIAL RECORDS.
- 67
- AN EASEMENT FOR LAYING UNDERGROUND WATER PIPELINES AND LATERALS, MAIN SEWER LINES, SEWER TRUNK LINES, COLLECTION LINES AND LATERALS, SEWER MANHOLES AND OTHER UNDERGROUND AND SURFACE STRUCTURES APPURTENANT TO SAID WATER AND SEWER LINES AND INCIDENTAL PURPOSES RECORDED JUNE 26, 1991 AS FILE NO. 91-0309793 OF OFFICIAL RECORDS.
- 68
- AN EASEMENT FOR PUBLIC HIGHWAY AND INCIDENTAL PURPOSES RECORDED OCTOBER 9, 1992 AS FILE NO. 1992-0646007 OF OFFICIAL RECORDS. SAID INSTRUMENT ALSO GRANTS THE PRIVILEGE AND RIGHT TO EXTEND AND MAINTAIN DRAINAGE STRUCTURES AND EXCAVATION AND EMBANKMENT SLOPES. THIS EASEMENT DOES NOT EFFECT SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- 69
- AN EASEMENT FOR THE FLOWAGE WATERS AND INCIDENTAL PURPOSES RECORDED OCTOBER 9, 1992 AS FILE NO. 1992-0646008. THIS EASEMENT DOES NOT EFFECT SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- 73
- A NON-EXCLUSIVE EASEMENT FOR THE PURPOSES SET FORTH IN THAT CERTAIN BLANKET EASEMENT AGREEMENT RECORDED JULY 18,2000 AS FILE NO. 2000-0378410 OF OFFICIAL RECORDS.

NON-PLOTTABLE EASEMENTS

THE EXACT LOCATION AND EXTENT OF SAID EASEMENT CANNOT BE DETERMINED FROM RECORD AND IS NOT PLOTTED HEREON.

567828374246616869



PROPERTY LINE DATA			
NO.	DELTA OR BRG.	RADIUS(R)	LENGTH(L)
1	N58°22'12\"W	-----	760.87
2	N89°29'12\"W	-----	1200.88
3	N40°32'04\"E	-----	951.00
4	N89°24'23\"W	-----	986.17
5	N41°51'32\"E	-----	1081.57
6	N00°55'01\"E	-----	1225.32
7	N40°32'04\"E	-----	1134.07
8	N40°24'05\"W	-----	290.92
9	N74°23'57\"W	-----	217.85
10	N89°55'35\"W	-----	352.22
11	N89°55'35\"W	-----	69.70
12	N66°47'31\"E	-----	1284.92
13	N66°47'31\"E	-----	215.00
14	N66°47'31\"E	-----	934.34
15	N01°00'08\"E	-----	223.00
16	N03°44'17\"W	-----	594.72
17	N83°22'15\"W	-----	122.02
18	N34°27'58\"W	-----	101.82
19	N61°37'18\"W	-----	97.36
20	N88°54'42\"W	-----	154.27
21	N51°37'25\"W	-----	214.03
22	N66°36'07\"E	-----	159.76
23	N59°40'04\"E	-----	127.62
24	N82°22'48\"E	-----	310.05
25	N89°50'59\"E	-----	390.96
26	N74°10'40\"W	-----	376.60
27	N70°46'56\"W	-----	348.36
28	N74°46'57\"W	-----	344.31
29	N58°14'57\"E	-----	356.22
30	N51°41'15\"E	-----	492.90
31	N84°32'23\"W	-----	432.53
32	N11°32'28\"E	-----	401.48
33	N39°39'30\"W	-----	128.71
34	N70°41'34\"E	-----	1081.22
35	N00°15'29\"E	-----	938.12
36	379°06\"	1570.00	90.93
37	N60°51'59\"W	-----	325.12
38	19°27'22\"	434.85	147.66
39	N80°19'21\"W	-----	733.79
40	23°10'00\"	1155.06	467.03
41	8°34'19\"	2149.29	321.55
42	N67°56'20\"E	-----	586.48
43	6°26'00\"	1030.00	115.65
44	N01°00'08\"E	-----	18.14
45	N89°51'19\"W	-----	29.98
46	17°36'25\"	1000.00	307.30
47	N44°53'38\"E	-----	347.85
48	25°58'30\"	1200.00	544.02
49	N70°52'08\"E	-----	399.79
50	11°20'36\"	1000.00	197.98
51	N59°31'33\"E	-----	608.67
52	18°21'42\"	1000.00	320.47
53	N41°09'50\"E	-----	1563.30
54	N89°24'23\"W	-----	12.93
55	N40°33'07\"E	-----	452.69
56	N42°14'32\"E	-----	507.29
57	N41°59'37\"E	-----	524.84

SCALE: 1" = 300'

0 150 300 600

COUNTY APPROVED CHANGES

No.	Description	Approved by	Date
ORIGINAL			X--X--XX

BENCHMARK

DESCRIPTION:	COTTONWOOD GOLF COURSE
LOCATION:	NAD 83, EPOCH 1998.50, ZONE 6, GEOID 3
RECORD FROM:	ROS 16512
ELEVATION:	488.50 FEET
DATUM:	NGVD 29

PERMITS

HABITAT LOSS PERMIT NO.	
N.O.I. NO.	
SPECIFIC PLAN AMENDMENT	
SPECIAL USE PERMIT NO.	
GRADING PERMIT NO.	
TENTATIVE MAP NO.	

PRIVATE CONTRACT

SHEET 11

COUNTY OF SAN DIEGO
DEPARTMENT OF PUBLIC WORKS

11 SHEETS

EASEMENT PLAN FOR:

COTTONWOOD SAND MINING PROJECT

CALIFORNIA COORDINATE INDEX: 210-1791

Approved
COUNTY ENGINEER

BY:

Wayne W. Chang

R.C.E. 46548

Engineer of work

WAYNE W. CHANG

R.C.E. 46548

Grading Permit No.