

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: (800) 422-4133
 SAN DIEGO GAS AND ELECTRIC: (800) 227-2600
 COX CABLE TV: (866) 272-5777
 OTAY WATER DISTRICT: (619) 670-2222
 SEWER: COUNTY OF SAN DIEGO - HHS

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 ADJUTING 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 FROM 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.

14. FINISHED GRADING SHALL BE CERTIFIED BY A REGISTERED CIVIL GEOTECHNICAL ENGINEER AND INSPECTED BY THE COUNTY ENGINEER FOR DRAINAGE CLEARANCE. (APPROVAL OF ROUGH GRADING DOES NOT CERTIFY FINISH GRADING BECAUSE OF POTENTIAL SURFACE DRAINAGE PROBLEMS THAT MAY BE CREATED BY LANDSCAPING ACCOMPLISHED AFTER ROUGH GRADING CERTIFICATION.)

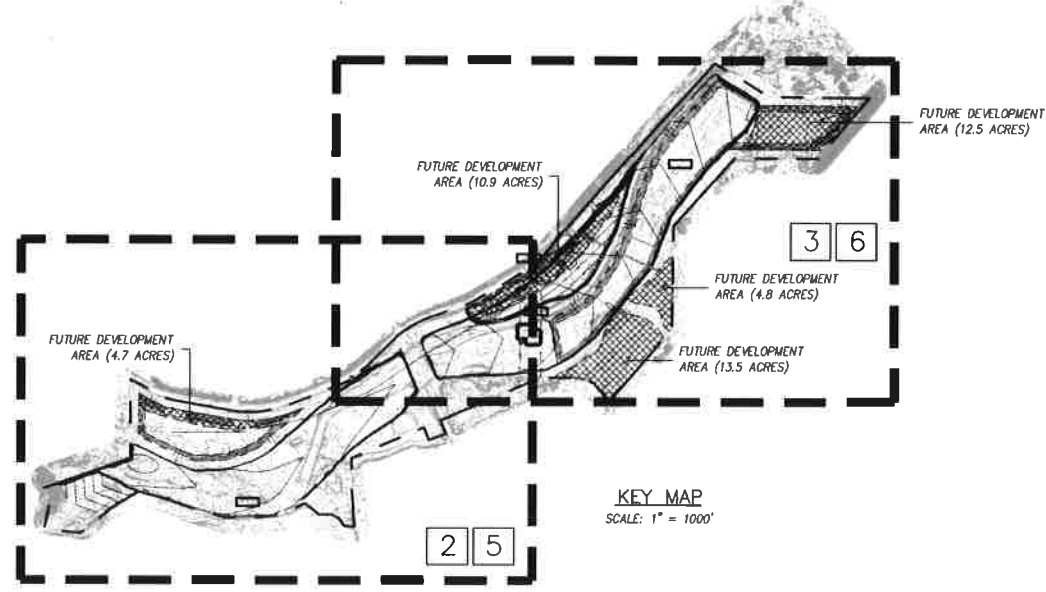
DECLARATION OF RESPONSIBLE CHARGE
 I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

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) 692-0780

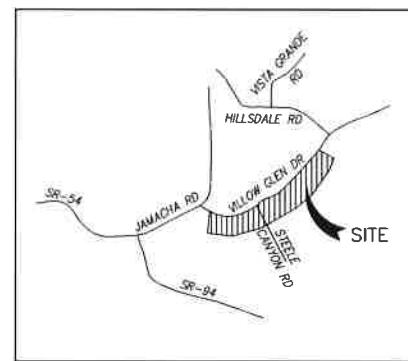
BY: _____ DATE: _____
 WAYNE W. CHANG, R.C.E. 46548

COTTONWOOD SAND MINING PROJECT



PROJECT PHASING

- PHASE 1 - SITE PREPARATION AND EXTRACTION WEST OF STEELE CANYON ROAD
 PHASE 1 INCLUDES SITE DEVELOPMENT FOR THE CONSTRUCTION OF THE ACCESS ROADS, PROCESSING AREA PAD, SCREENING BERMS AND CONVEYOR/SLURRY LINE. FOLLOWING THE INITIAL SITE DEVELOPMENT ACTIVITIES, EXTRACTIVE OPERATIONS WILL COMMENCE IN THE AREA WEST OF STEELE CANYON ROAD AND PROCEED FROM THE WESTERN BOUNDARY TO THE ROAD. THIS PHASE IS EXPECTED TO BE COMPLETE IN APPROXIMATELY 3 YEARS.
- PHASE 2 - CENTRAL AREA EXTRACTION
 PHASE 2 WILL CONTINUE THE IDENTICAL EXTRACTION PROCESS ON APPROXIMATELY 49 ACRES EAST OF, AND ADJACENT TO, STEELE CANYON ROAD. EXCAVATION OF THE MATERIALS WILL START ADJACENT TO STEELE CANYON ROAD AND PROCEED EASTWARD TO THE APPROXIMATE AREA OF THE CLUBHOUSE. UPON CONCLUSION OF PHASE 2, THE CONVEYOR/SLURRY LINE WILL BE RELOCATED TO RUN FROM THE PLANT EASTWARD. THIS PHASE IS ANTICIPATED TO LAST APPROXIMATELY 3 YEARS.
- PHASE 3 - EASTERN AREA EXTRACTION
 PHASE 3 IS THE FINAL EXTRACTION PHASE AND THE EXCAVATION PROCESS IN PHASE 3 IS A REPEAT OF PHASE 2 ON APPROXIMATELY 50 ACRES OF THE VALLEY, EAST OF THE CLUBHOUSE AND THE PHASE 2 AREA. THIS PHASE WILL PROCEED TO THE EASTERN BOUNDARY OF THE PROJECT. PHASE 3 IS ANTICIPATED TO LAST ABOUT 4 YEARS.
- PHASE 4 - FINAL RECLAMATION AND SITE CLEANUP
 PHASE 4 CONSISTS OF FINAL RECLAMATION, CLEANUP AND REMOVAL OF ALL MINING RELATED EQUIPMENT. REVEGETATION MONITORING WILL CONTINUE FOR AT LEAST UNTIL REVEGETATION PERFORMANCE STANDARDS ARE MET.

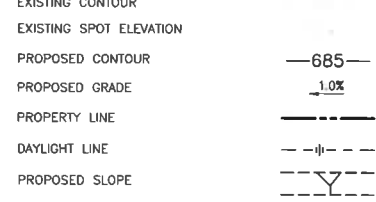


VICINITY MAP

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 EASEMENT PLAN

PROJECT PHASING



EARTHWORK QUANTITIES

	0	CY FILL
NORTH	1,879,500	CY CUT
SOUTH	516,500	CY CUT
MINING AND BACKFILL	2,355,900	CY CUT
	4,731,900	CY CUT
	5,678,280	FINISHED TONS

MINING PHASE	AREA AFFECTED BY MINING OPERATIONS (ACRES)*	MINING DURATION (YEARS)	MINING INITIATION DATE (EST.)	MINING COMPLETION DATE (EST.)	RECLAMATION COMPLETION DATE (EST.)
1	93.91	3	2020	2022	2025
2	67.34	3	2023	2026	2028
3	67.63	4	2027	2031	2032
TOTAL	228.88	10			

* ROUNDED TO THE NEAREST ACRE

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 (PCC) 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 IN 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

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.

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
506-021-1900	8.20	COTTONWOOD CAJON ES, LLC	S88
506-020-5200	4.01	COTTONWOOD CAJON ES, LLC	S80
518-012-1300	2.97	COTTONWOOD CAJON ES, LLC	S90
518-012-1400	46.61	COTTONWOOD CAJON ES, LLC	S90
518-030-0500	2.30	COTTONWOOD CAJON ES, LLC	S90
518-030-0600	5.58	COTTONWOOD CAJON ES, LLC	S90
518-030-0700	2.59	COTTONWOOD CAJON ES, LLC	S90
518-030-0800	0.69	COTTONWOOD CAJON ES, LLC	S90
518-030-1000	7.16	COTTONWOOD CAJON ES, LLC	S90
518-030-1200	6.88	COTTONWOOD CAJON ES, LLC	S90
518-030-1300	10.20	COTTONWOOD CAJON ES, LLC	S90
518-030-1500	4.04	COTTONWOOD CAJON ES, LLC	S90
518-030-2100	56.71	COTTONWOOD CAJON ES, LLC	S90
518-030-2200	19.43	COTTONWOOD CAJON ES, LLC	S90
519-010-1500	33.72	COTTONWOOD CAJON ES, LLC	S90
519-010-1700	14.59	COTTONWOOD CAJON ES, LLC	S90
519-010-2000	19.22	COTTONWOOD CAJON ES, LLC	S90
519-010-2100	1.10	COTTONWOOD CAJON ES, LLC	S90
519-010-3300	1.76	COTTONWOOD CAJON ES, LLC	S90
519-010-3400	7.17	COTTONWOOD CAJON ES, LLC	S90
519-010-3700	1.06	COTTONWOOD CAJON ES, LLC	S90
519-011-0300	23.80	COTTONWOOD CAJON ES, LLC	S88
TOTALS:	279.79		

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 1 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 9 SHEETS

RECLAMATION PLAN FOR:
COTTONWOOD SAND MINING PROJECT

CALIFORNIA COORDINATE INDEX: 210-1791

Approved COUNTY ENGINEER _____
 Engineer at work _____
 Name & Date _____
 Date _____

COUNTY APPROVED CHANGES

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

BENCHMARK

DESCRIPTION: COTTONWOOD GOLF COURSE

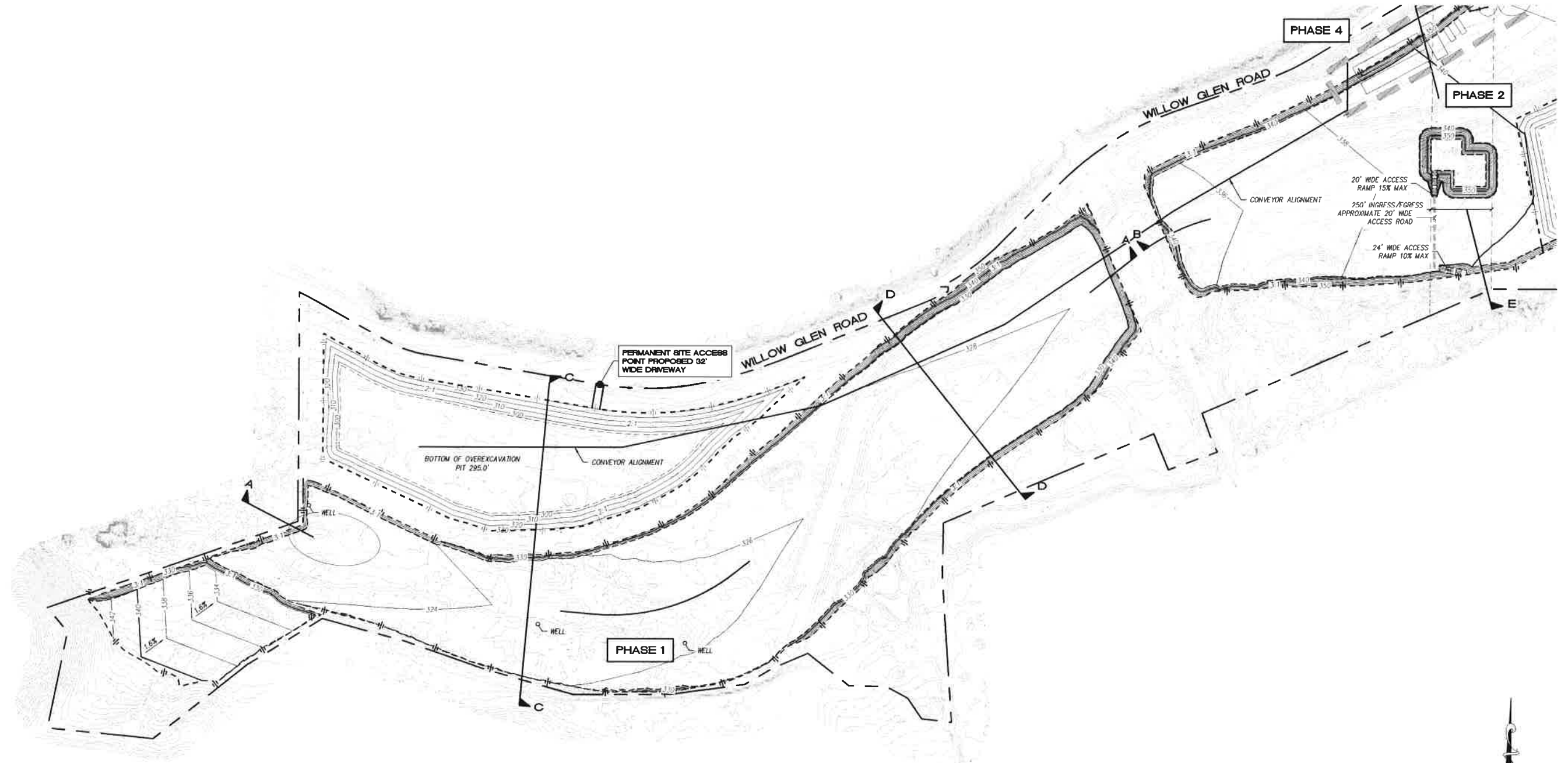
LOCATION: NAD 83, EPOCH 1988.50, ZONE 6, GEOD 3

RECORD FROM: RDS 16512
 ELEVATION: 488.59 FEET DATE: NOV 29

SDC PDS RCVD 11-19-18
 MUP18-023

FOR REVIEW ONLY

ENGINEER'S NAME: CHANG CONSULTANTS
 PHONE NO. (858) 692-0780



FOR REVIEW ONLY

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 2	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	9 SHEETS

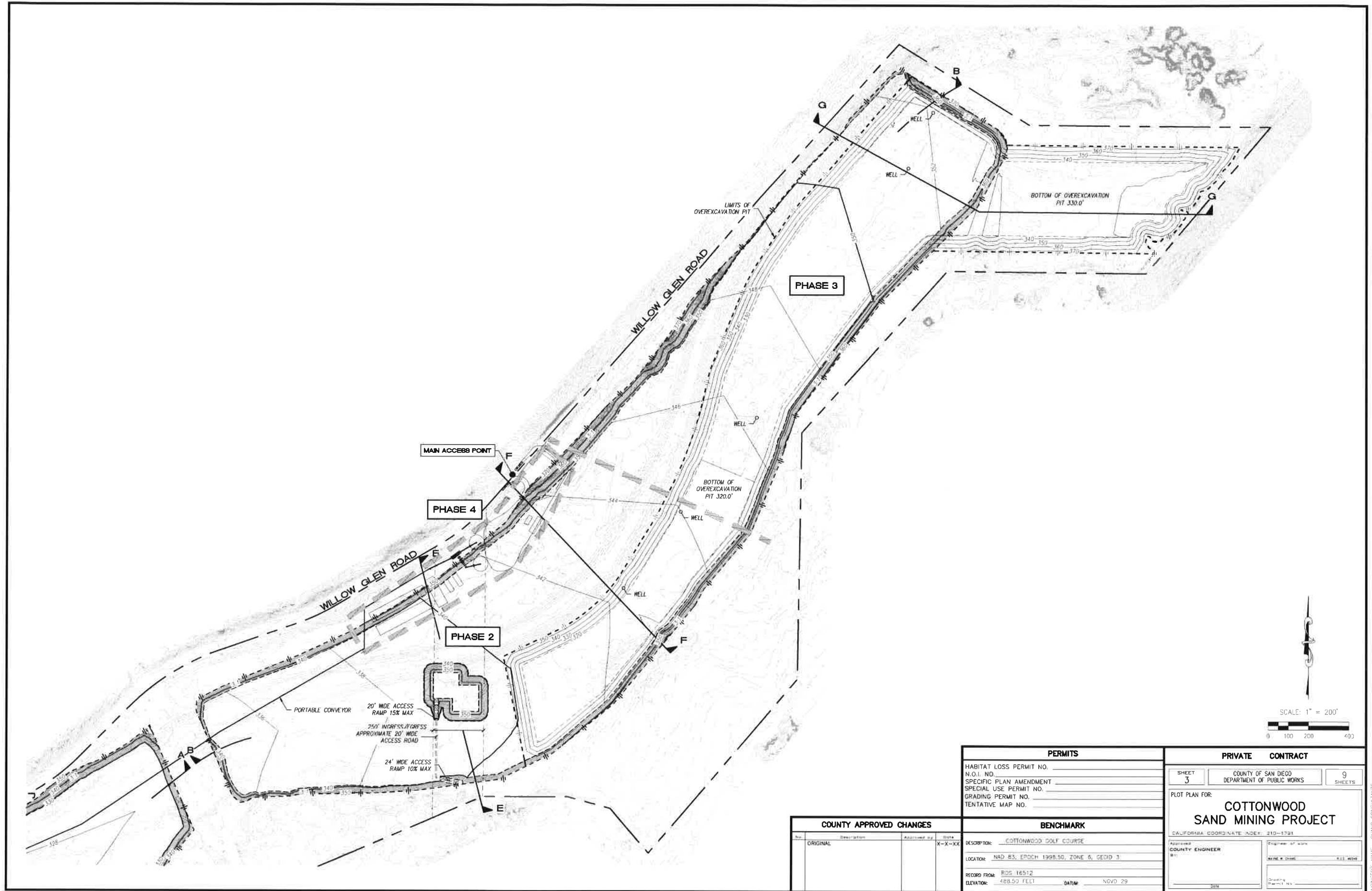
PLOT PLAN FOR:
COTTONWOOD SAND MINING PROJECT
CALIFORNIA COORDINATE INDEX: 210-1791

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:	RDS 16512
ELEVATION:	488.50 FEET
DATUM:	NGVD 29

Approved COUNTY ENGINEER	Engineer at Large
NAME & STATE	NAME & STATE
DATE	DATE

ENGINEER'S NAME: CHANG CONSULTANTS
PHONE NO: (619) 697-0760



FOR REVIEW ONLY

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

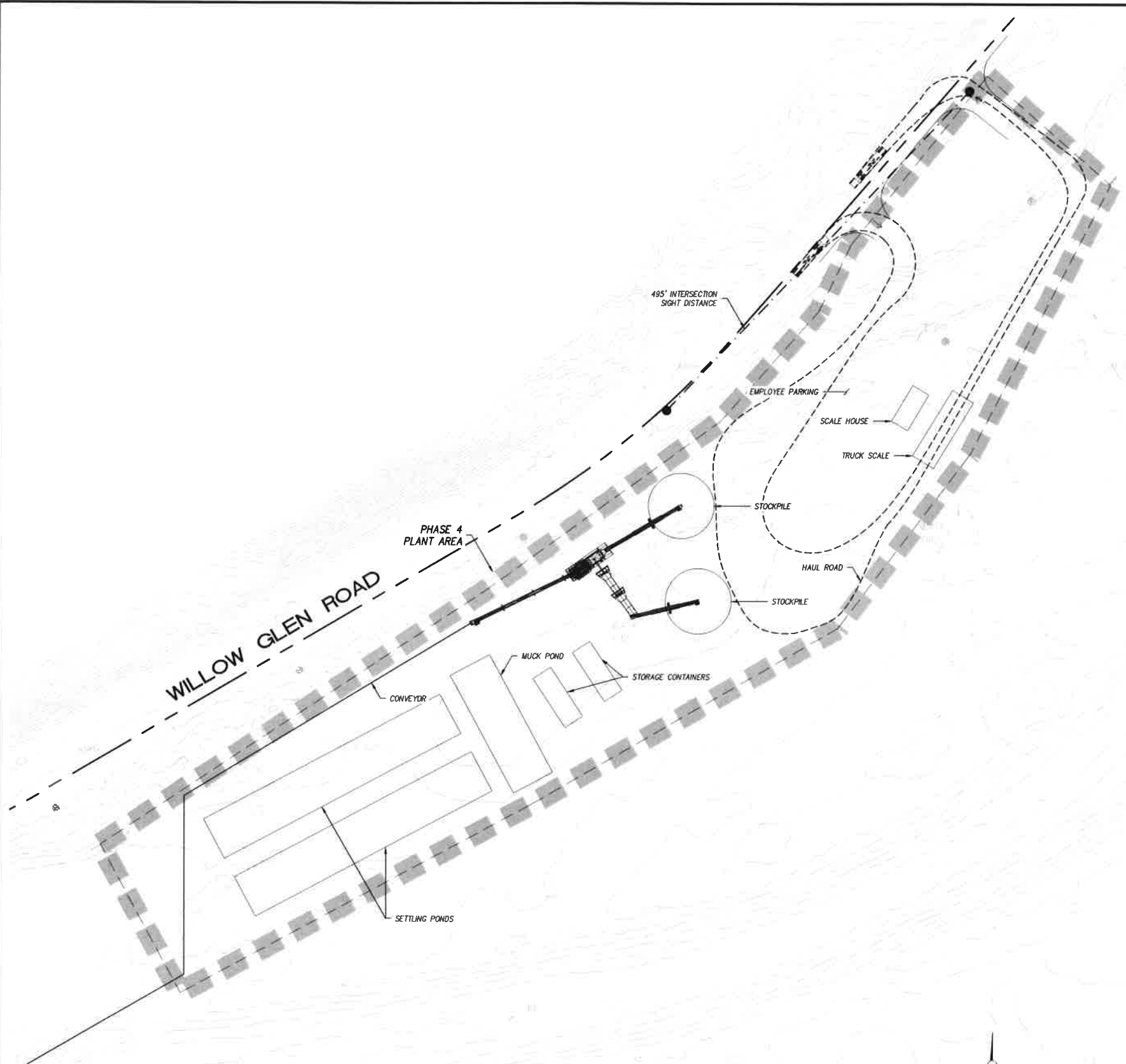
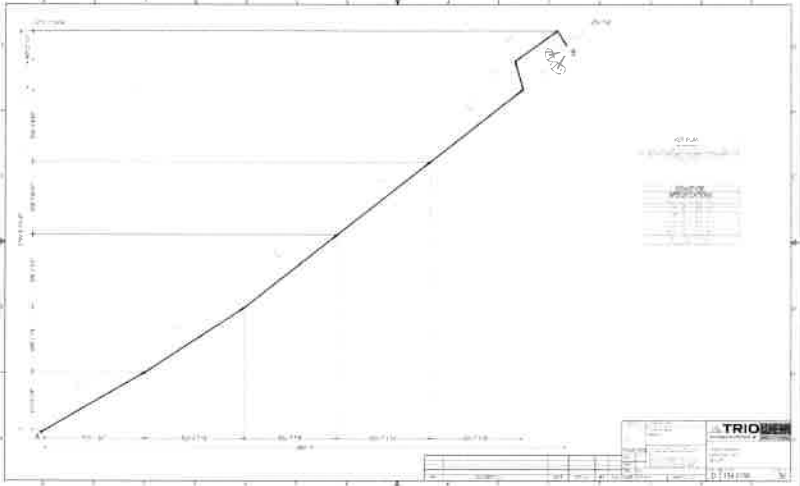
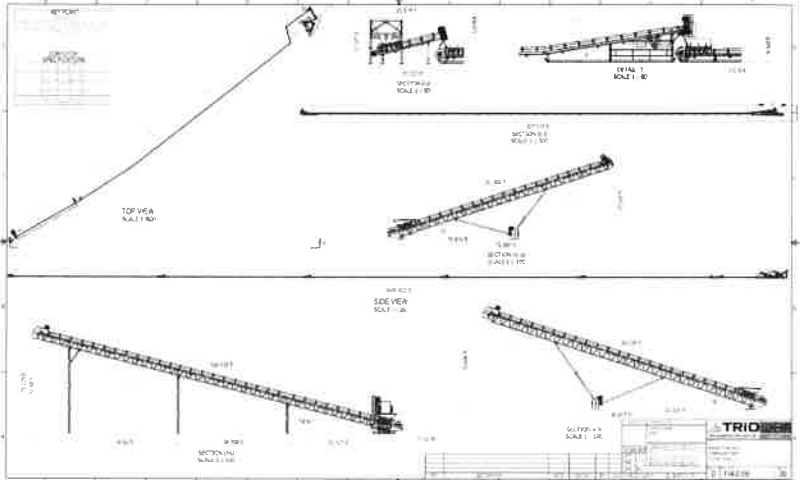
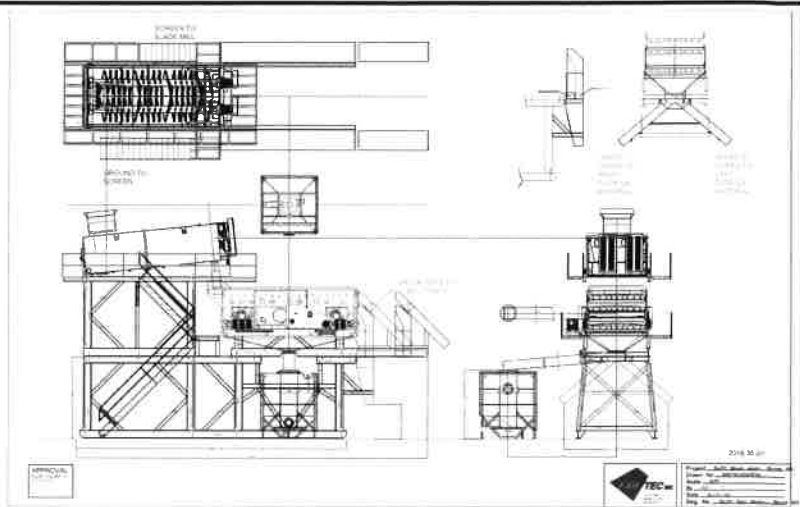
PRIVATE CONTRACT	
SHEET 3	9 SHEETS
COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	

PLOT PLAN FOR:	
COTTONWOOD SAND MINING PROJECT	
CALIFORNIA COORDINATE INDEX: 21G-172E	
Approved COUNTY ENGINEER	Engineer of Work
DATE	DATE

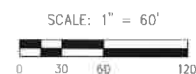
COUNTY APPROVED CHANGES	
No.	Description
ORIGINAL	

BENCHMARK	
DESCRIPTION:	COTTONWOOD GOLF COURSE
LOCATION:	NAD 83, EPOCH 1998.50, ZONE 8, GECID 3
RECORD FROM:	RDS 16512
ELEVATION:	488.50 FEET
DATE:	NOV 29

ENGINEER'S NAME: COUNTY CONSULTANTS
PHONE NO. (619) 827-0760



PLANT AREA DETAIL
SCALE: 1" = 60'



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

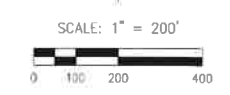
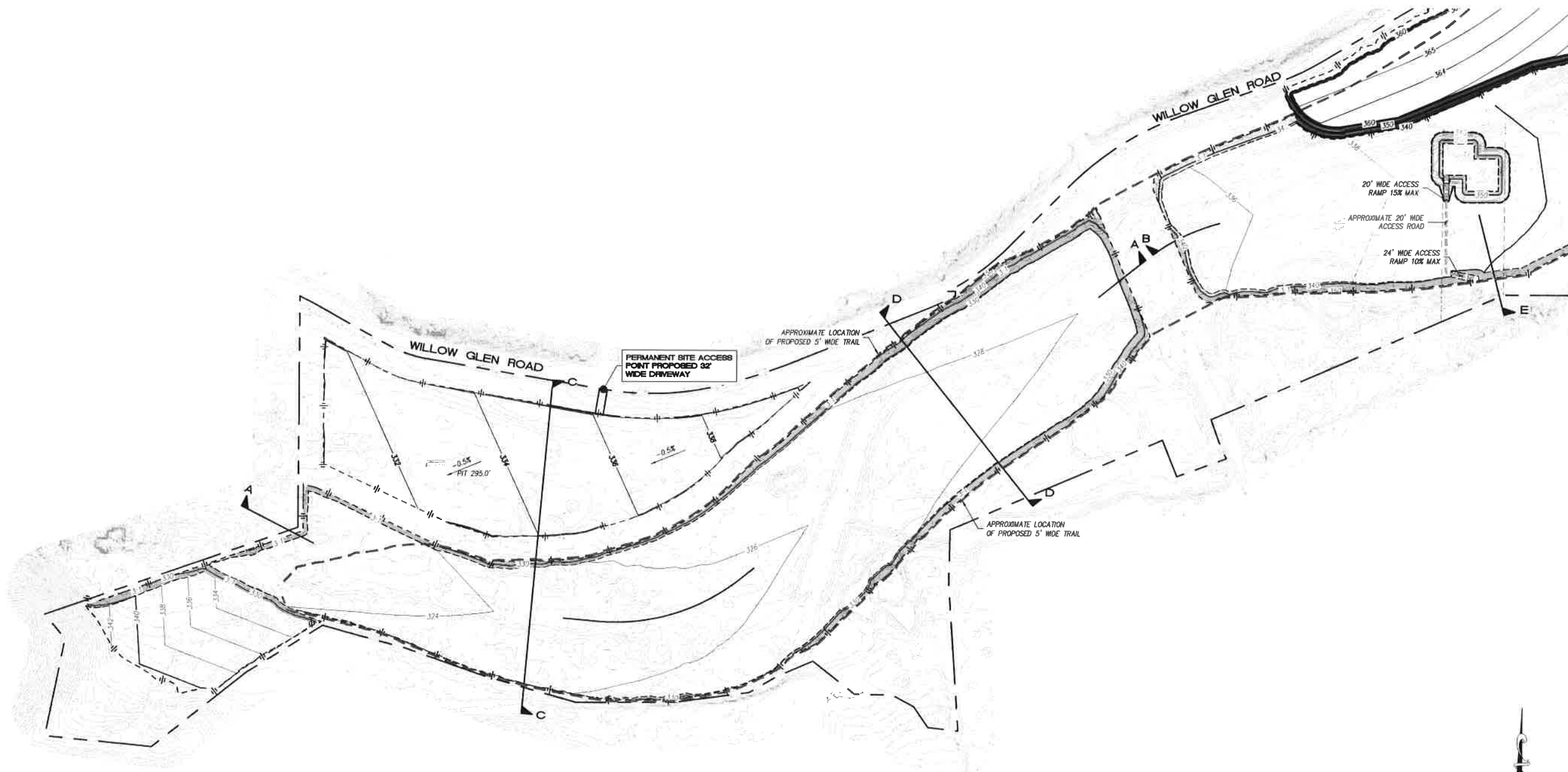
BENCHMARK	
DESCRIPTION:	COTTONWOOD GOLF COURSE
LOCATION:	NAD 83, EPOCH 1998.50, ZONE 6, GEOD 3
RECORD FROM:	RDS 16512
ELEVATION:	488.50 FEET
DATUM:	NGVD 29

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	4	COUNTY OF SAN DIEGO	9
DEPARTMENT OF PUBLIC WORKS		SHEETS	
PLOT PLAN FOR:			
COTTONWOOD SAND MINING PROJECT			
CALIFORNIA COORDINATE INDEX 21D-1791			
Approved	County Engineer	Engineer at work	
By:		Date:	
Grading Permit No.			

FOR REVIEW ONLY

ENGINEER'S NAME: CHANG CONSULTANTS
PHONE NO. (619) 852-0760



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

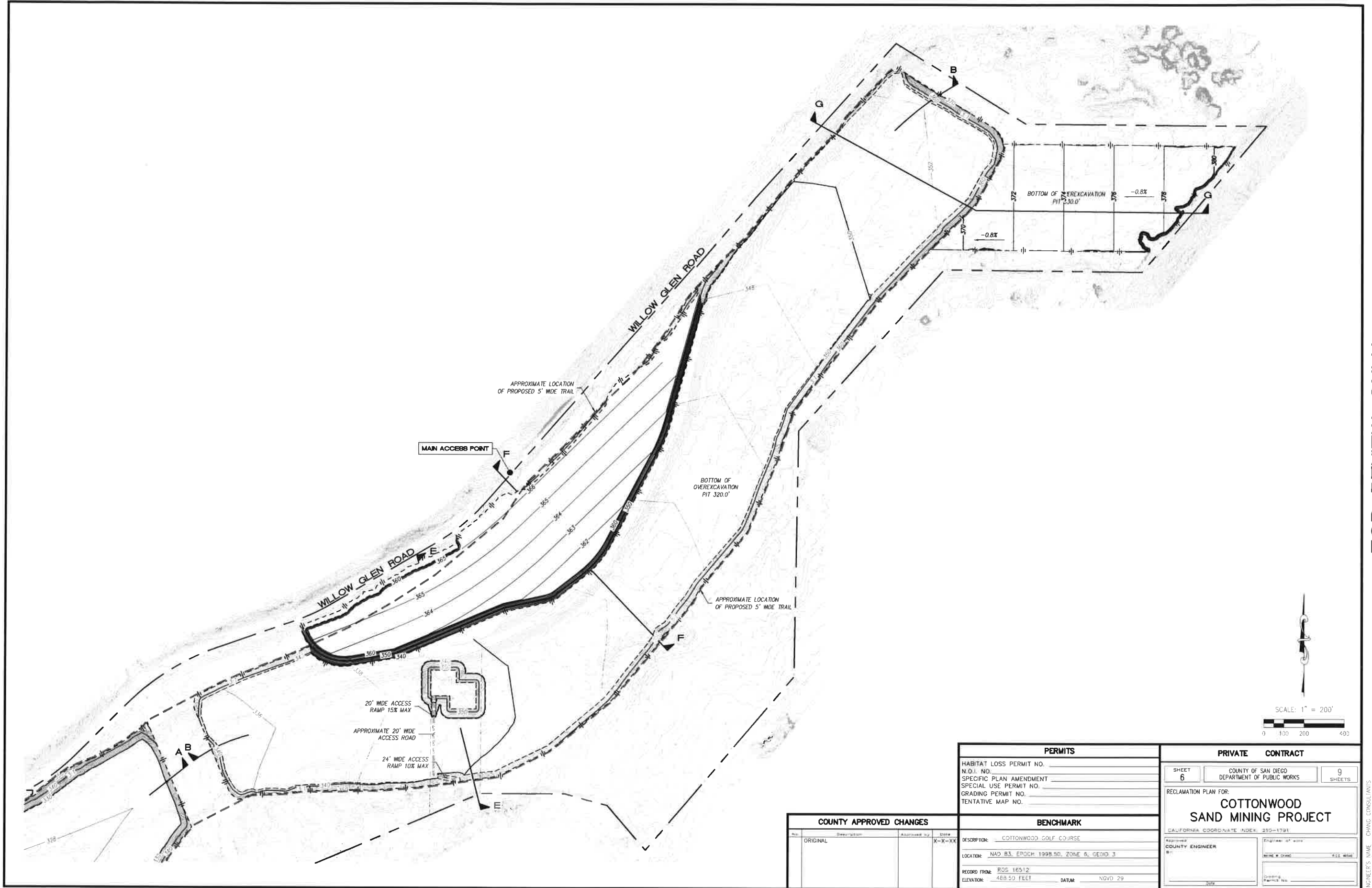
PRIVATE CONTRACT		
SHEET 5	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	9 SHEETS
RECLAMATION PLAN FOR: COTTONWOOD SAND MINING PROJECT		
CALIFORNIA COORDINATE INDEX: 210-1791		
Approved COUNTY ENGINEER	Engineer of work	
DATE	NAME & TITLE	DATE
	Grading Permit No.	

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
DATE:	NGVD 29

FOR REVIEW ONLY

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



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 6	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS
9 SHEETS	

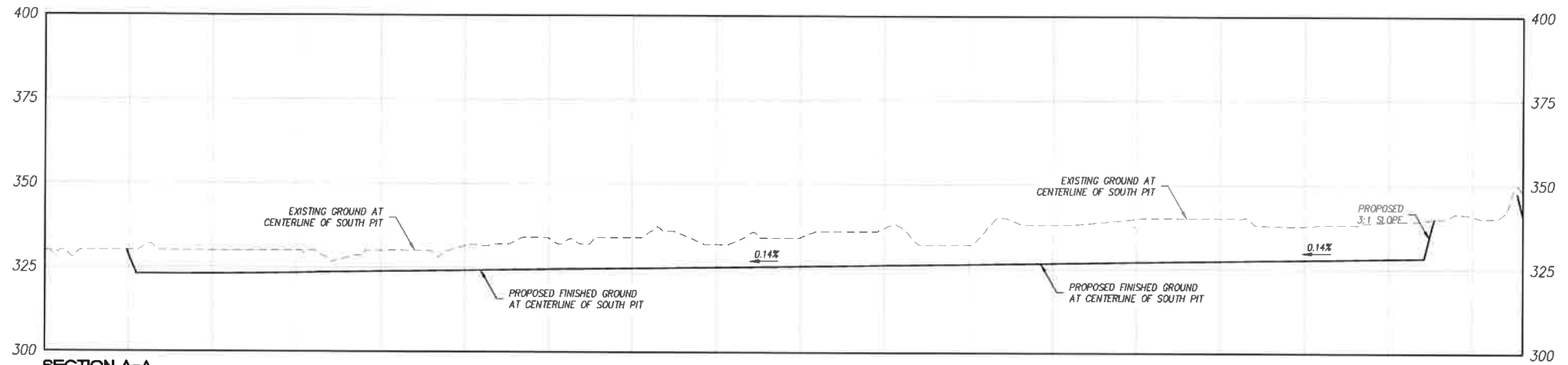
RECLAMATION PLAN FOR:	
COTTONWOOD SAND MINING PROJECT	
CALIFORNIA COORDINATE INDEX: 21G-1791	
Approved: COUNTY ENGINEER	Engineer at work
By:	DATE

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

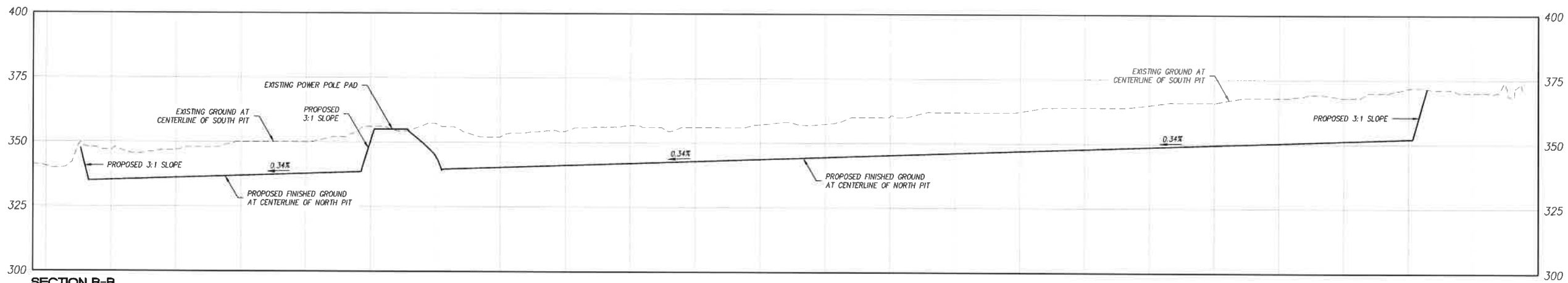
BENCHMARK	
DESCRIPTION:	COTTONWOOD GOLF COURSE
LOCATION:	NAD 83, EPOCH: 1998.50, ZONE 6, GEOD: 3
RECORD FROM:	RCS 18512
ELEVATION:	488.50 FEET
DATE:	NGVD 29

FOR REVIEW ONLY

ENGINEER'S NAME: CHANG CONSULTANTS
PHONE NO. (619) 697-0700



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



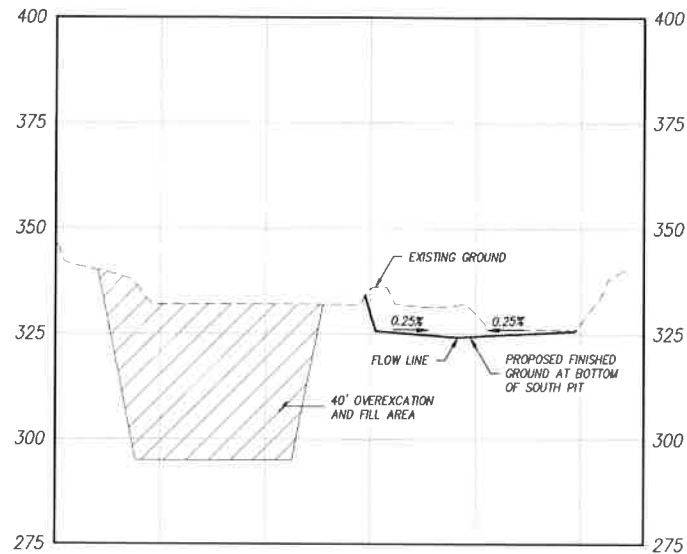
SECTION B-B
SCALE HORIZ/VERT: 1" = 200'



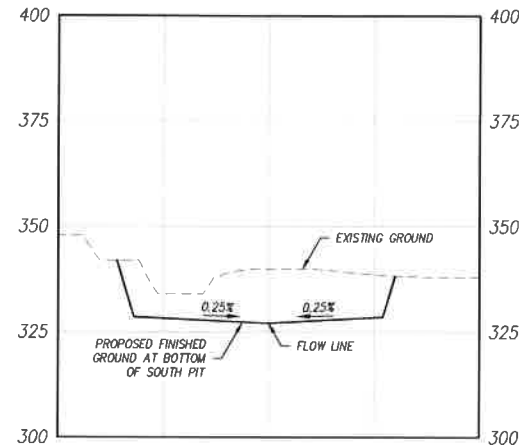
PERMITS		PRIVATE CONTRACT	
HABITAT LOSS PERMIT NO. _____ N.O.I. NO. _____ SPECIFIC PLAN AMENDMENT _____ SPECIAL USE PERMIT NO. _____ GRADING PERMIT NO. _____ TENTATIVE MAP NO. _____		SHEET 7 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS SHEETS 9 SITE CROSS-SECTIONS FOR: COTTONWOOD SAND MINING PROJECT CALIFORNIA COORDINATE INDEX: 2ND-1791	
COUNTY APPROVED CHANGES		BENCHMARK	
No.	Description	Approved by	Date
ORIGINAL			X-X-XX
DESCRIPTION: COTTONWOOD GOLF COURSE		ELEVATION: 485.50 FEET DATE: NOV 29	
LOCATION: NAD 83, EPOCH 1988 50, ZONE 6, GEOID 3		RECORD FROM: ROS 16512	
ELEVATION: 485.50 FEET		DATE: NOV 29	
COUNTY ENGINEER _____ Title: _____		ENGINEER OF WORK _____ Title: _____ Grading Permit No. _____	

FOR REVIEW ONLY

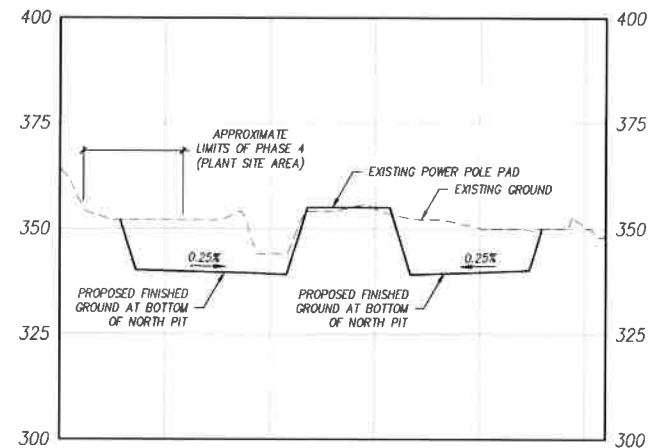
ENGINEER'S NAME: CHANG CONSULTANTS
PHONE NO: (619) 692-0700



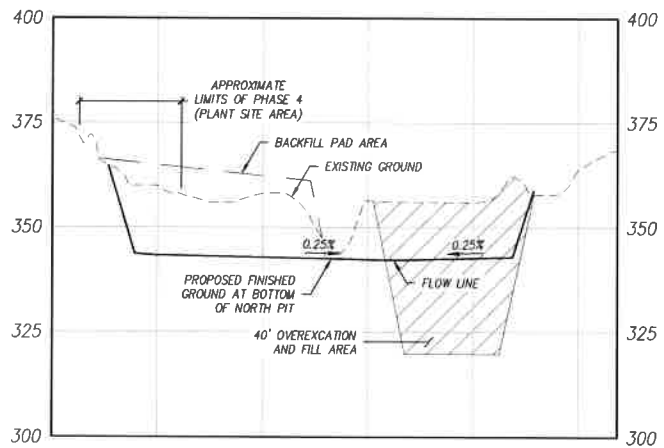
SECTION C-C
SCALE HORIZ/VERT: 1" = 200'



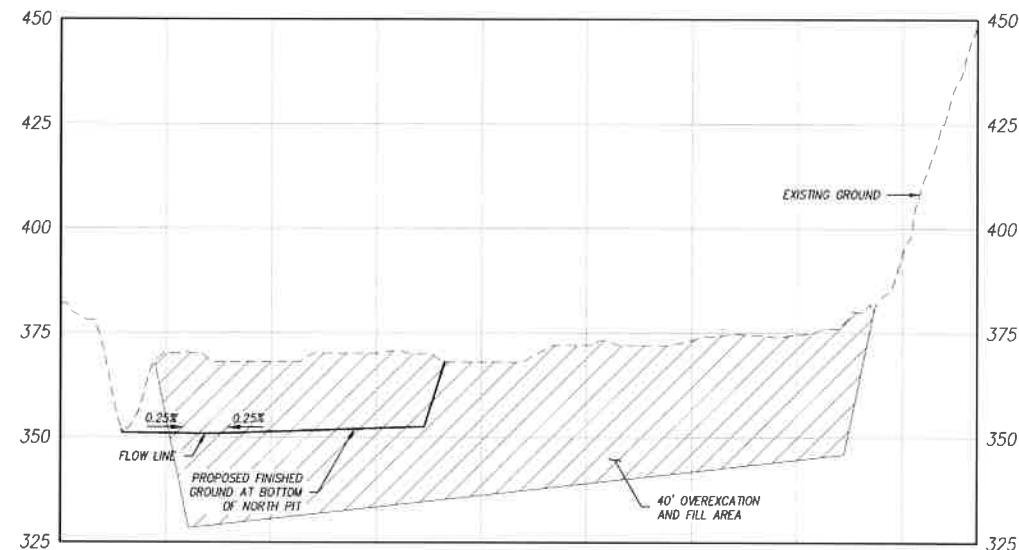
SECTION D-D
SCALE HORIZ/VERT: 1" = 200'



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



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



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



PERMITS		PRIVATE CONTRACT	
HABITAT LOSS PERMIT NO. _____		SHEET 8	
N.O.J. NO. _____		COUNTY OF SAN DIEGO	
SPECIFIC PLAN AMENDMENT _____		DEPARTMENT OF PUBLIC WORKS	
SPECIAL USE PERMIT NO. _____		9 SHEETS	
GRADING PERMIT NO. _____		SITE CROSS-SECTIONS FOR:	
TENTATIVE MAP NO. _____		COTTONWOOD SAND MINING PROJECT	
		CALIFORNIA COORDINATE NDEK: 210-1791	
		Proposed COUNTY ENGINEER	
		Engineer of Work	
		Name & Date	
		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 1995 50, ZONE 6, CEDID 3
RECORD FROM:	ROS 16512
ELEVATION:	488.50 FEET
DATE:	NOV 29

FOR REVIEW ONLY

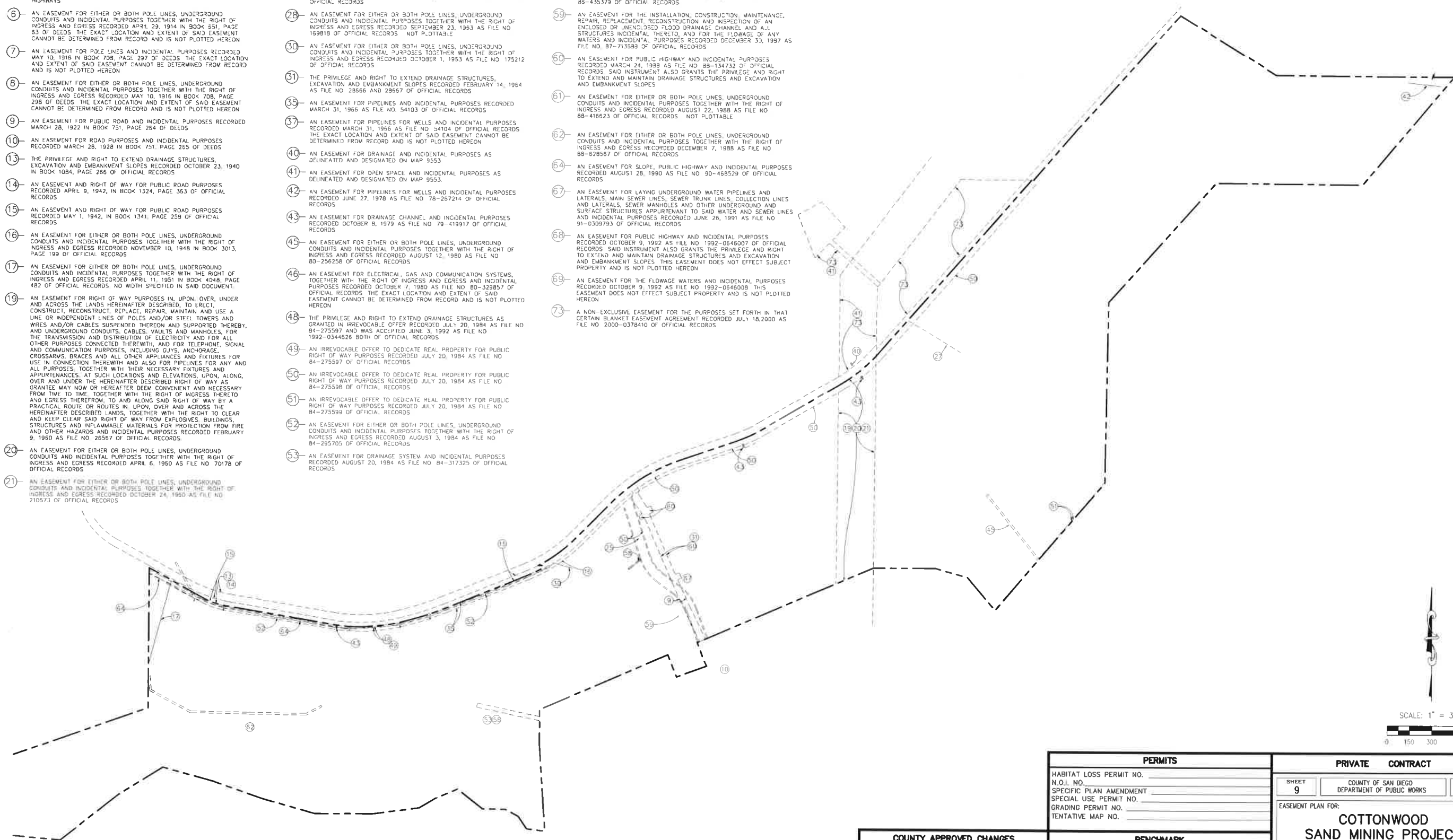
ENGINEER'S NAME: CHANG CONSULTANTS
PHONE NO. (619) 692-0760

THIS SURVEY WAS BASED ON A PRELIMINARY TITLE REPORT ISSUED BY FIRST AMERICAN TITLE COMPANY, AS ORDER NO. 1235374-23, DATED FEBRUARY 12, 2032. EFFECTS OF AGREEMENTS, PERMITS, DEEDS, ASSESSMENTS, LEASES, COVENANTS, AND/OR RESTRICTIONS APPEARING IN SAID POLICY AS ITEM NOS. 1-4, 11, 12, 16, 22-24, 26, 29, 32-34, 36, 39, 39, 41, 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 851, 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 254 OF DEEDS.
- 10 AN EASEMENT FOR ROAD PURPOSES AND INCIDENTAL PURPOSES RECORDED MARCH 28, 1928 IN BOOK 751, PAGE 255 OF DEEDS.
- 13 THE PRIVILEGE AND RIGHT TO EXTEND DRAINAGE STRUCTURES, EXCAVATION AND EMBANKMENT SLOPES RECORDED OCTOBER 23, 1940 IN BOOK 1084, PAGE 256 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 259 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 HERINAFTER 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, WELLS 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 HERINAFTER DESCRIBED RIGHT OF WAY AS GRANTEE MAY NOW OR HEREAFTER DEEM CONVENIENT AND NECESSARY FROM TIME TO TIME TOGETHER WITH THE RIGHT OF INGRESS THERE TO AND EGRESS THEREFROM, TO AND ALONG SAID RIGHT OF WAY BY A PRACTICAL ROUTE OR ROUTES IN UPON, OVER AND ACROSS THE HERINAFTER 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 HAZARDOUS 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. 210573 OF OFFICIAL RECORDS.

- 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 SEPTEMBER 23, 1963 AS FILE NO. 169818 OF OFFICIAL RECORDS. NOT PLOTTABLE.
- 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. 80-323857 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, 1985 AS FILE NO. 85-435379 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. 87-713589 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. 88-416823 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. 88-628587 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 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 OF OFFICIAL RECORDS. 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 16, 2000 AS FILE NO. 2000-0378410 OF OFFICIAL RECORDS.



FOR REVIEW ONLY

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 9 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 9 SHEETS EASEMENT PLAN FOR: COTTONWOOD SAND MINING PROJECT CALIFORNIA COORDINATE (NAD 83) 2102-1791 Approved COUNTY ENGINEER _____ Engineer of work _____ NAME & PHONE _____ DATE _____ SHEET _____									
COUNTY APPROVED CHANGES <table border="1"> <thead> <tr> <th>No.</th> <th>Description</th> <th>Approved by</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL</td> <td></td> <td></td> <td>X-X-XX</td> </tr> </tbody> </table>		No.	Description	Approved by	Date	ORIGINAL			X-X-XX	BENCHMARK DESCRIPTION: COTTONWOOD GOLF COURSE LOCATION: NAD 83, EPOCH 1995.50, ZONE 6, GEOID 3 RECORD FROM: ROS 18512 ELEVATION: 488.50 FEET DATE: NGVD 29	
No.	Description	Approved by	Date								
ORIGINAL			X-X-XX								