

**OTAY HILLS CONSTRUCTION AGGREGATE AND INERT  
DEBRIS ENGINEERED FILL OPERATION PROJECT**

**APPENDIX O**

**SERVICE AVAILABILITY LETTERS**

*for the*

**PUBLIC REVIEW  
DRAFT ENVIRONMENTAL IMPACT REPORT**

PDS2004-3300-04-004 (MUP);  
PDS2004-3310-04-001 (RP);  
PDS2010-3813-10-002 (SPA);  
Log No. 04-190-04

JUNE 2020

*Prepared for:*

**COUNTY OF SAN DIEGO**  
PLANNING & DEVELOPMENT SERVICES  
5510 OVERLAND AVENUE, SUITE 310  
SAN DIEGO, CALIFORNIA 92123



County of San Diego, Planning & Development Services  
**PROJECT FACILITY AVAILABILITY - FIRE**  
**ZONING DIVISION**

*Please type or use pen*

Superior Ready Mix Concrete, LP (760) 745-0556  
 Owner's Name Phone

1508 W. Mission Road  
 Owner's Mailing Address Street

Escondido, CA 92029  
 City State Zip

ORG \_\_\_\_\_  
 ACCT \_\_\_\_\_  
 ACT \_\_\_\_\_  
 TASK \_\_\_\_\_  
 DATE \_\_\_\_\_ AMT \$ \_\_\_\_\_

**F**

*DISTRICT CASHIER'S USE ONLY*

**SECTION 1. PROJECT DESCRIPTION TO BE COMPLETED BY APPLICANT**

A.  Major Subdivision (TM)  Specific Plan or Specific Plan Amendment  
 Minor Subdivision (TPM)  Certificate of Compliance: \_\_\_\_\_  
 Boundary Adjustment  
 Rezone (Reclassification) from \_\_\_\_\_ to \_\_\_\_\_ zone.  
 Major Use Permit (MUP), purpose: Rock Quarry  
 Time Extension... Case No. \_\_\_\_\_  
 Expired Map... Case No. \_\_\_\_\_  
 Other Reclamation Plan

B.  Residential . . . . . Total number of dwelling units \_\_\_\_\_  
 Commercial . . . . . Gross floor area \_\_\_\_\_  
 Industrial . . . . . Gross floor area N/A  
 Other . . . . . Gross floor area \_\_\_\_\_

C. Total Project acreage 105 Total lots 8 Smallest proposed lot \_\_\_\_\_

Assessor's Parcel Number(s)  
(Add extra if necessary)

648-050-13,	-14
648-080-13,	-14, -25
648-040-39,	-40, -55

Thomas Guide. Page 1352 Grid E2  
 Eastern extent of Calzada De La Fuente, E. Otay  
 Project address Street  
Otay  
 Community Planning Area/Subregion Zip

**OWNER/APPLICANT AGREES TO COMPLETE ALL CONDITIONS REQUIRED BY THE DISTRICT.**

Applicant's Signature: T. A. H Date: 12/17/2019  
 Address: 3511 Camino Del Rio South, Suite 403, San Diego, 92108 Phone: (619) 284-8515

**(On completion of above, present to the district that provides fire protection to complete Section 2 and 3 below.)**

**SECTION 2: FACILITY AVAILABILITY TO BE COMPLETED BY DISTRICT**

District Name: CSA 135

Indicate the location and distance of the primary fire station that will serve the proposed project:  
City of San Diego, station 43, 1590 La Media Road, 3.5 miles

A.  Project is in the District and eligible for service.  
 Project is not in the District but is within its Sphere of Influence boundary, owner must apply for annexation.  
 Project is not in the District and not within its Sphere of Influence boundary.  
 Project is not located entirely within the District and a potential boundary issue exists with the \_\_\_\_\_ District.

B.  Based on the capacity and capability of the District's existing and planned facilities, fire protection facilities are currently adequate or will be adequate to serve the proposed project. The expected emergency travel time to the proposed project is 6.60 minutes. 10 minutes max. outside village

Fire protection facilities are not expected to be adequate to serve the proposed development within the next five years.

C.  District conditions are attached. Number of sheets attached: \_\_\_\_\_  
 District will submit conditions at a later date.

**SECTION 3. FUELBREAK REQUIREMENTS**

**Note: The fuelbreak requirements prescribed by the fire district for the proposed project do not authorize any clearing prior to project approval by Planning & Development Services.**

Within the proposed project 100 feet of clearing will be required around all structures.  
 The proposed project is located in a hazardous wildland fire area, and additional fuelbreak requirements may apply. Environmental mitigation requirements should be coordinated with the fire district to ensure that these requirements will not pose fire hazards.

This Project Facility Availability Form is valid until final discretionary action is taken pursuant to the application for the proposed project or until it is withdrawn, unless a shorter expiration date is otherwise noted.

Herman Reddick Herman Reddick, Director 858-974-5813 1-13-20  
 Authorized Signature Print Name and Title Phone Date

On completion of Section 2 and 3 by the District, applicant is to submit this form with application to:  
 Planning & Development Services - Zoning Counter, 5510 Overland Ave, Suite 110, San Diego, CA 92123



County of San Diego, Planning & Development Services  
**PROJECT FACILITY AVAILABILITY - WATER**  
 ZONING DIVISION

Please type or use pen

Superior Ready Mix Concrete, LP (760) 745-0556  
 Owner's Name Phone

1508 W. Mission Road  
 Owner's Mailing Address Street

Escondido, CA 92029  
 City State Zip

ORG \_\_\_\_\_  
 ACCT \_\_\_\_\_  
 ACT \_\_\_\_\_  
 TASK \_\_\_\_\_  
 DATE \_\_\_\_\_

AMT \$ 75.00

**W**

DISTRICT CASHIER'S USE ONLY

**SECTION 1. PROJECT DESCRIPTION TO BE COMPLETED BY APPLICANT**

A.  Major Subdivision (TM)  Specific Plan or Specific Plan Amendment  
 Minor Subdivision (TPM)  Certificate of Compliance: \_\_\_\_\_  
 Boundary Adjustment  
 Rezone (Reclassification) from \_\_\_\_\_ to \_\_\_\_\_ zone.  
 Major Use Permit (MUP), purpose: Rock Quarry  
 Time Extension... Case No. \_\_\_\_\_  
 Expired Map... Case No. \_\_\_\_\_  
 Other Reclamation Plan

Assessor's Parcel Number(s)  
 (Add extra if necessary)

648-050-13, -14	
648-080-13, -14, and -25	
648-040-39, -40, and -55	

B.  Residential . . . . . Total number of dwelling units \_\_\_\_\_  
 Commercial . . . . . Gross floor area \_\_\_\_\_  
 Industrial . . . . . Gross floor area N/A  
 Other . . . . . Gross floor area \_\_\_\_\_

C.  Total Project acreage 105 Total number of lots 8

D. Is the project proposing the use of groundwater?  Yes  No  
 Is the project proposing the use of reclaimed water?  Yes  No

Thomas Guide Page 1352 Grid E2  
 Eastern extent of Calzada De La Fuente, E. Otay Mesa  
 Project address Street  
Otay  
 Community Planning Area/Subregion Zip

Owner/Applicant agrees to pay all necessary construction costs, dedicate all district required easements to extend service to the project and COMPLETE ALL CONDITIONS REQUIRED BY THE DISTRICT.

Applicant's Signature: T. Arias Date: 12/17/2019  
 Address: 3511 Camino Del Rio South, Suite 403, San Diego, CA 92108 Phone: (619) 284-8515

(On completion of above, present to the district that provides water protection to complete Section 2 below.)

**SECTION 2: FACILITY AVAILABILITY TO BE COMPLETED BY DISTRICT**

District Name: OTAY WATER DISTRICT Service area WATER I.D. 22

A.  Project is in the district.  
 Project is not in the district but is within its Sphere of Influence boundary, owner must apply for annexation.  
 Project is not in the district and is not within its Sphere of Influence boundary.  
 The project is not located entirely within the district and a potential boundary issue exists with the \_\_\_\_\_ District.

B.  Facilities to serve the project  ARE  ARE NOT reasonably expected to be available within the next 5 years based on the capital facility plans of the district. Explain in space below or on attached \_\_\_\_\_ (Number of sheets)  
 Project will not be served for the following reason(s): \_\_\_\_\_

C.  District conditions are attached. Number of sheets attached: 10  
 District has specific water reclamation conditions which are attached. Number of sheets attached: \_\_\_\_\_  
 District will submit conditions at a later date.

D.  How far will the pipeline(s) have to be extended to serve the project? CAJAZADA DE LA FUENTE & ACCESS ROAD

This Project Facility Availability Form is valid until final discretionary action is taken pursuant to the application for the proposed project or until it is withdrawn, unless a shorter expiration date is otherwise noted.

Authorized Signature: Raise Arias Print Name Raise Arias  
 Print Title PERMIT TECH. Phone 619-670-4224 Date 1/15/20

NOTE: THIS DOCUMENT IS NOT A COMMITMENT OF SERVICE OR FACILITIES BY THE DISTRICT  
 On completion of Section 2 and 3 by the District, applicant is to submit this form with application to:  
 Planning & Development Services - Zoning Counter, 5510 Overland Ave, Suite 110, San Diego, CA 92123

TRAN 5  
Jokevrest



Otay Water District  
Otay Cashier  
2554 Sweetwater Springs Blvd  
Spring Valley, CA 91978  
619 670-2222

001883-0011 Dana G. 01/08/2020 10:55AM

MISC RECEIPTS

Payment Tran Code:

Availability Letter  
(avltr)

Description: availability  
Availability Letter  
(avltr)

2018 Item: avltr 75.00

-----  
75.00

Subtotal 75.00

Total 75.00

CREDIT CARD 75.00


Visa \*\*\*\*\*1673  
Ref=20200108105440703C79  
Auth=27554D  
Terminal ID=XXXXXXXXXX472  
Trans ID=000000014628  
Trans Type=Purchase  
Entry Method=MANUAL

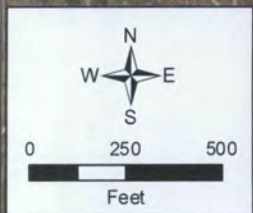
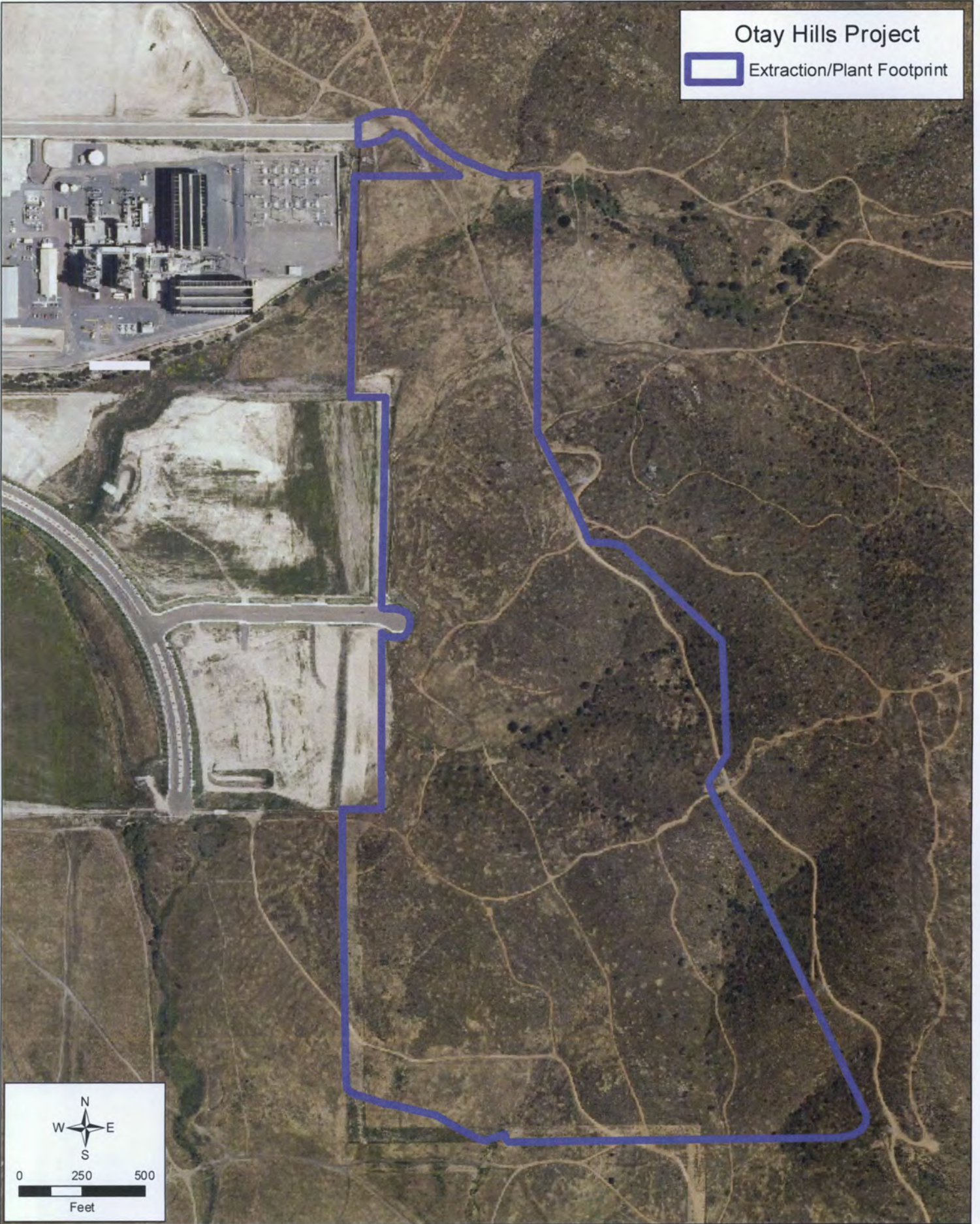
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Change due 0.00

Signature: \_\_\_\_\_

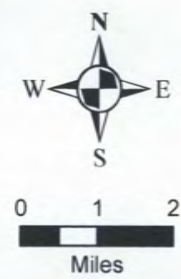
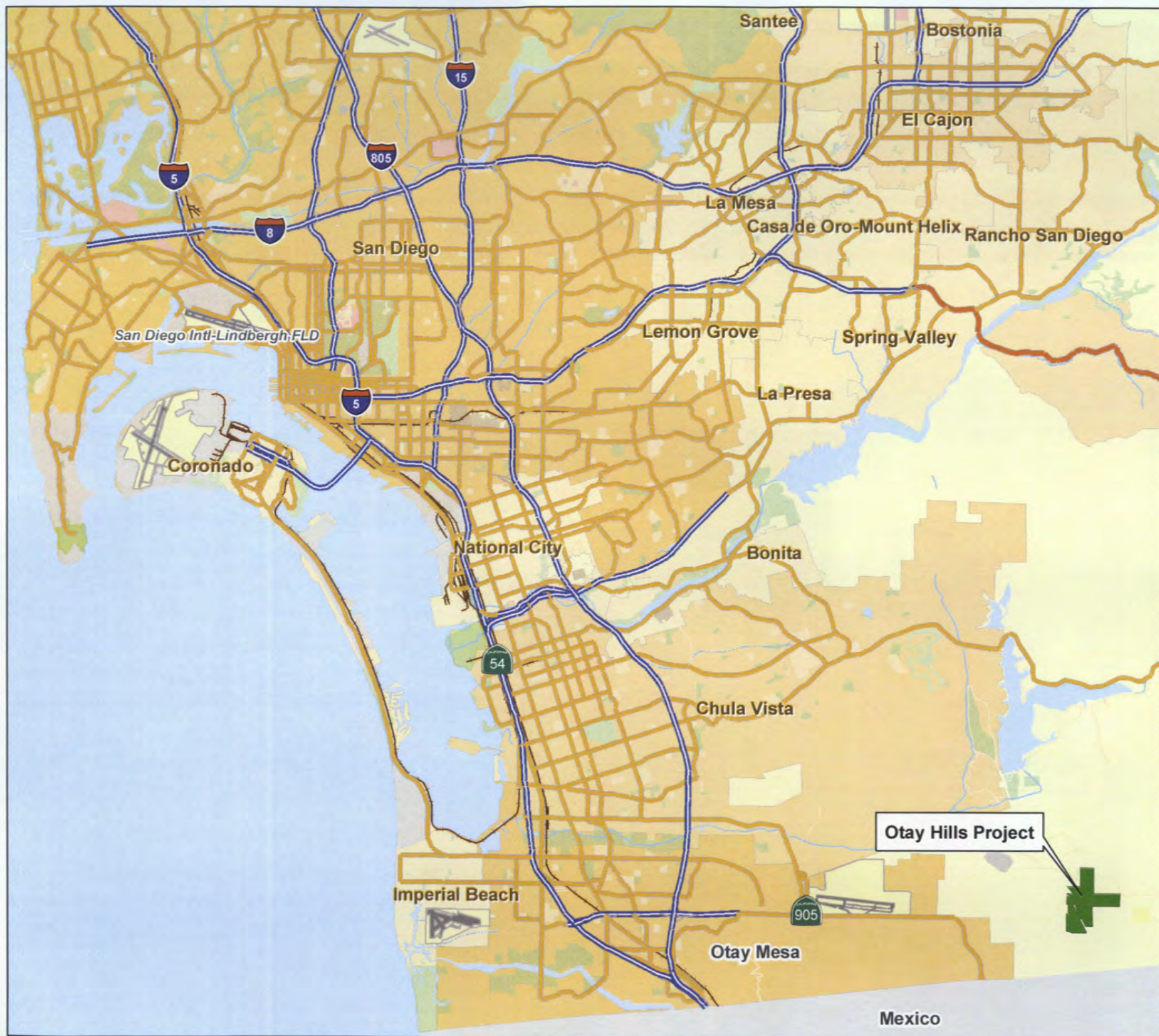
<http://www.otaywater.gov>  
Thank you for your payment

Otay Hills Project

 Extraction/Plant Footprint



**Figure 2.1-1  
Otay Hills  
Project  
Regional  
Location  
Map**





*...Dedicated to Community Service*

2554 SWEETWATER SPRINGS BOULEVARD, SPRING VALLEY, CALIFORNIA 91978-2004  
TELEPHONE: 670-2222, AREA CODE 619

[www.otaywater.gov](http://www.otaywater.gov)

January 9, 2020

*Sent via USPS and email to [travisj@environmineinc.com](mailto:travisj@environmineinc.com)*

Project No.: P1438-010000

Activity: 3111

Travis A. Jokerst  
Environmine, Inc.  
3511 Camino del Rio South, Suite 403  
San Diego, CA 92108

Subject: Project Facility Availability – Water  
Major Use Permit: Rock Quarry  
East Calzada De La Fuente, East of Otay Mesa Road in Otay Mesa, San Diego County, CA 92154  
Accessor Parcel Number(s): 648-050-13-00, 648-050-14-00, 648-080-13-00, 648-080-14-00, 648-080-25-00, 648-040-39-00, 648-040-40-00, 648-040-55-00

Dear Mr. Jokerst:

The Otay Water District (District) has the capacity to serve the Otay Hills Project (Project). As provided to the District, the Project consists of (8) lots totaling approximately 105 acres. The Project can be served by a 12-inch potable water main located on Calzada de la Fuente or a 12 inch-potable water main located on Access Road.

As per Section 62.01 of the District's Code of Ordinances, "To provide for future line extensions, pipelines installed within public streets must be constructed to the subdivision boundary and pipelines not installed within a public street must be installed in a District easement or right-of-way and must extend across the frontage of the parcel or parcels to be served."

The District has no objection to this Project. The developer will be required to submit both a water demand study and a Water Supply Assessment and Verification report (WSA&V). The water study must be reviewed and approved by the District before the County of San Diego submits the request for a WSA&V report to the District. The developer should meet with the District early in the entitlement process to discuss the schedule, report submittal requirements, and to set up a deposit account to cover staff time. The developer will also be required to submit a Sub-Area Master Plan and a calculation of water demands prior to the commencement of the Project. An agreement between the developer and the District will be needed for the design and construction of

Travis A. Jokerst

Project Facility Availability – Water

Major Use Permit: Rock Quarry

East Calzada De La Fuente, East of Otay Mesa Road in Otay Mesa

Accessor Parcel Number(s): 648-050-13-00, 648-050-14-00, 648-080-13-00, 648-080-14-00, 648-080-25-00, 648-040-39-00, 648-040-40-00, 648-040-55-00

January 9, 2020

Page 2 of 3.

water system improvements, including transmission pipelines, reservoirs, and pump stations required to support this development. In addition, the developer will be required to annex parcels into an improvement district for water service.

The developer will be required to submit improvement plans for District approval and extend the water main to front all properties in question. If service laterals do not exist for the Project, the applicant must pay to have the District install them.

When a customer requests water service on a parcel of land with potable water irrigated landscape equal to 5,000 square-feet or more, a separate meter will be required for irrigation purposes on the site. Each service must have an approved reduced pressure principle backflow prevention device (R/P).

Fire service plans must be designed to Water Agencies' Standards. Each service must have an R/P purchased and installed by the developer after District review and approval. The developer should contact the Project's fire agency for any fire protection requirements and determine early on how the fire protection requirements can be met from the existing pressure zone.

The fire service line will not be allowed to be connected to any buildings; the line will be intended for fire services purposes only. Failure to comply with this request will result in violation of the District's Code of Ordinances and will be subject to penalties determined by the District. Water furnished for fire hydrant or fire sprinkler service shall be used only for fire protection purposes and shall be connected to a District water main. Where service is provided for a fire hydrant or fire sprinkler service on privately-owned land, the service shall be provided by the District at the property line of land to be served

**Water availability is subject to all District requirements in effect at the time and you are strongly encouraged to adopt water conservation measures throughout the development.**

The District's Engineering Public Services Division can be contacted at (619) 670-2241 or visit the website at [www.otaywater.gov/engineering](http://www.otaywater.gov/engineering) for further requirements regarding inspection services, water main extensions, service laterals, backflow devices, and meter costs. Also, visit the website at [www.otaywater.gov/code-of-ordinances](http://www.otaywater.gov/code-of-ordinances) for sections pertaining to the Project and any other conditions that may have arisen since this letter was written for this Project.

Enclosed are the documents you forwarded with your review request.



Travis A. Jokerst  
Project Facility Availability – Water  
Major Use Permit: Rock Quarry  
East Calzada De La Fuente, East of Otay Mesa Road in Otay Mesa  
Accessor Parcel Number(s): 648-050-13-00, 648-050-14-00, 648-080-13-00, 648-080-14-00, 648-080-25-00, 648-040-39-00, 648-040-40-00, 648-040-55-00  
January 9, 2020  
Page 3 of 3.

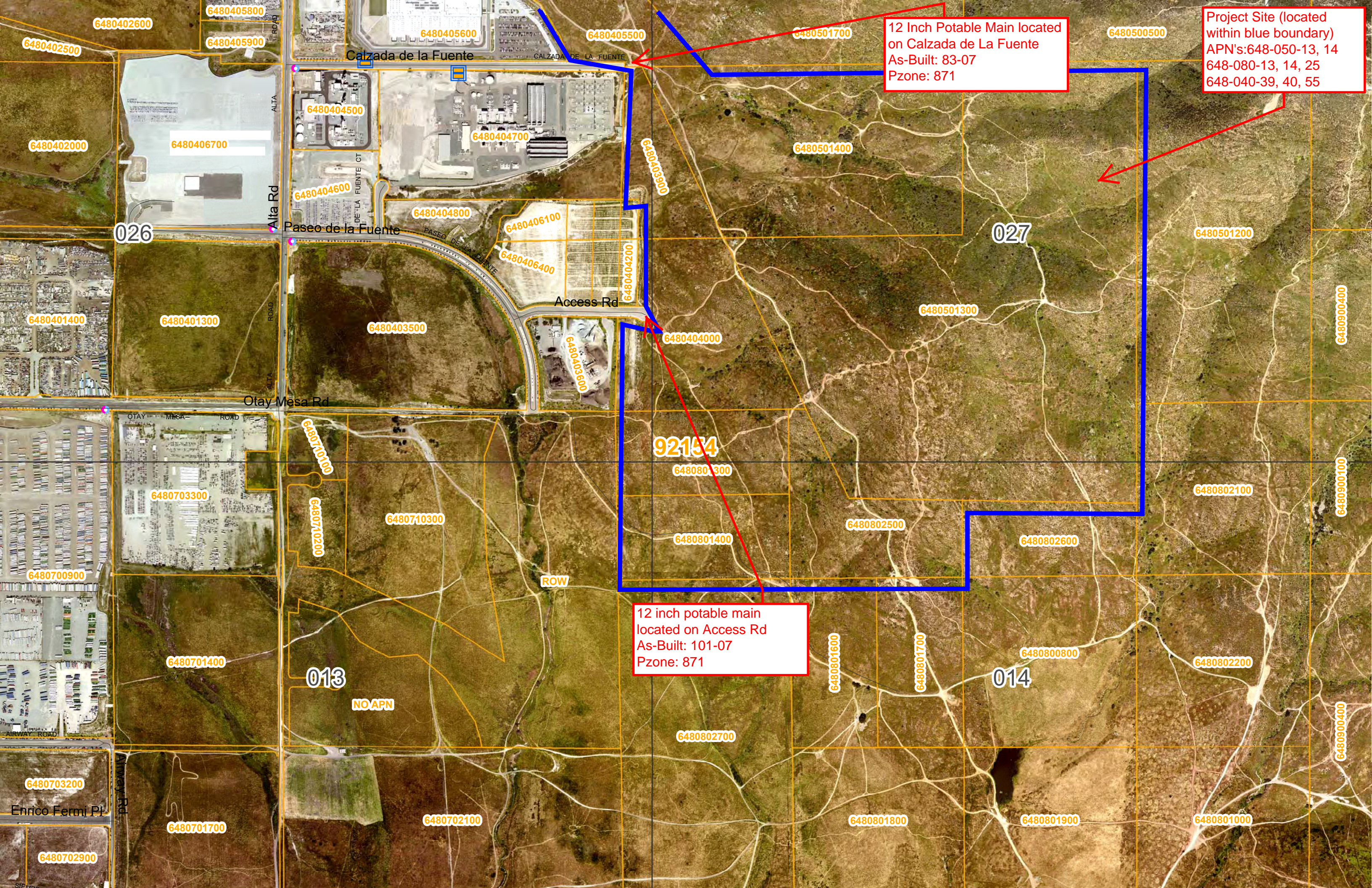
Sincerely,  
OTAY WATER DISTRICT



Dan Martin, P.E.  
Assistant Chief of Engineering

DM:jf

Enclosures: Documents submitted with review request  
Project Facility Availability-Water, Otay Hills Project Regional Location  
Map  
GIS map



12 Inch Potable Main located on Calzada de La Fuente  
As-Built: 83-07  
Pzone: 871

Project Site (located within blue boundary)  
APN's: 648-050-13, 14  
648-080-13, 14, 25  
648-040-39, 40, 55

12 inch potable main located on Access Rd  
As-Built: 101-07  
Pzone: 871

92154

027

013

014

NO APN

ROW

026

6480402600

6480405800

6480402500

6480402000

6480401400

6480401300

6480700900

6480701400

6480703200

6480702900

6480701700

6480701000

6480702000

6480710300

6480702100

6480404500

6480404600

6480404800

6480406100

6480406400

6480403500

6480403600

6480403900

6480404000

6480801300

6480801400

6480802700

6480501400

6480501300

6480802500

6480801600

6480801700

6480801800

6480802600

6480800800

6480801900

6480501200

6480802100

6480802200

6480801000

6480900400

6480900100

6480900400

6480500500

Alta Rd

Paseo de la Fuente

Otay Mesa Rd

Enrico Fermi Pl

Calzada de la Fuente

CALZADA DE LA FUENTE

PASEO DE LA FUENTE

Access Rd

AIRWAY ROAD



Closer view of available water lines located at Calzada de la Fuente and Access Rd for project.

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

PLANS	BY	DATE
DESIGNED	BLM	8-21
CHECKED	ENL, AM	8-21
DRAWN	BLM, AM	8-21

**GENERAL NOTES:**

- A PERMIT SHALL BE OBTAINED FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS FOR ANY WORK WITHIN THE STREET RIGHT-OF-WAY.
- THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARDS AND AS APPROVED BY THE MATERIALS LABORATORY.
- APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, COVERED AND TESTED PRIOR TO CONSTRUCTION OF CURB, CURB CROSS FUTURE AND PAVING.
- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- THE CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.  
NOTICE: ALL ELECTRICAL AND GAS SERVICES WITHIN THIS PROJECT ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF ELECTRICAL CABLES AND GAS PIPING AND APPURTENANCES CONTACT THE SAN DIEGO GAS & ELECTRIC COMPANY.  
TELEPHONE: 1-800-422-4133
- THE CONTRACTOR SHALL NOTIFY THE PACIFIC BELL TELEPHONE COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.  
NOTICE: ALL TELEPHONE SERVICES WITHIN THIS PROJECT BOUNDARY ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF CABLES AND APPURTENANCES CONTACT THE PACIFIC BELL TELEPHONE COMPANY.  
TELEPHONE: 1-800-422-4133
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS, AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
- ALL TELEVISION SERVICES WITHIN THIS PROJECT ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF CABLES AND APPURTENANCES CONTACT APPROPRIATE COMPANY.
- POWER SOURCES AND RUNS SERVING STREET LIGHTS SHALL BE SHOWN ON THE "AS-BUILT" IMPROVEMENT DRAWINGS. ALL SERVICES SHALL BE LOCATED WITHIN THE DESIGNATED RIGHT-OF-WAY, OR WITHIN EASEMENTS DEDICATED TO THE COUNTY OF SAN DIEGO.
- NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREA TO BE PAVED.
- ALL TREES WITHIN THE COUNTY RIGHT-OF-WAY ARE TO BE REMOVED.
- GUARDRAIL SHALL BE INSTALLED ADJACENT TO ALL VERTICAL TO 2 HORIZONTAL FALL SLOPES THAT ARE GREATER THAN 12 FEET IN VERTICAL HEIGHT. VERTICAL FALL SLOPES THAT ARE 6 FEET AND HIGHER ALSO REQUIRE GUARDRAIL. TO DETERMINE IF GUARDRAIL IS WARRANTED FOR ENVIRONMENTAL HAVING SLOPES OTHER THAN 12:01 HORIZONTAL, PLEASE REFER TO FIGURE 1-1 OF THE CURRENT METRIC CALTRANS TRAFFIC MANUAL. PLEASE REFER TO THE FOLLOWING CURRENT METRIC CALTRANS STANDARD PLANS FOR GUARDRAIL INSTALLATIONS:

# OTAY MESA GENERATING CO., L.L.C.



**O.W.D. "AS-BUILTS"**  
 Author: J.J. Pastor DATE: 1-18-05  
 Bartolome J. Pastor DE. NO. 386406  
 MY REGISTRATION EXPIRES: 5/31/05 DISCIPLINE: CIVIL

**VICINITY MAP**  
 NOT TO SCALE  
 THOMAS BROS. 1331-107, 1333-AB7, 1351-BE1

**SOILS/GEOTECHNICAL ENGINEER'S STATEMENT**

I, MICHAEL E. EMBICK, A REGISTERED GEOTECHNICAL ENGINEER OF THE STATE OF CALIFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOIL MECHANICS, HEREBY VERIFY THAT A SAMPLING AND STUDY OF THE SOIL CONDITIONS PREVALENT WITHIN THIS SITE WAS MADE BY ME OR UNDER MY DIRECTION BETWEEN THE DATES OF APRIL 24, 2001 AND MAY 1, 2001. ONE COMPLETE COPY OF THE SOILS REPORT COMPILED FROM THIS STUDY, WITH MY RECOMMENDATIONS, HAS BEEN SUBMITTED TO THE OFFICE OF THE COUNTY ENGINEER.

THESE IMPROVEMENT PLANS HAVE BEEN REVIEWED BY ME OR UNDER MY DIRECTION AND CONFORM TO THE RECOMMENDATIONS MADE IN THE SOILS REPORT TITLED "SANWASH CANYON SEWER MAIN, SAN DIEGO, CA," DATED APRIL 16, 2001 AND "OTAY MESA GENERATING PLANT, SAN DIEGO, CA," DATED MAY 22, 2001.

**OWNER'S CERTIFICATE**

IT IS AGREED THAT FIELD CONDITIONS MAY REQUIRE CHANGES TO THESE PLANS.

IT IS FURTHER AGREED THAT THE OWNER (DEVELOPER) SHALL HAVE A REGISTERED CIVIL ENGINEER MAKE SUCH CHANGES. ALTERATIONS OR ADDITIONS TO THESE PLANS WHICH THE DIRECTOR OF PUBLIC WORKS DETERMINES ARE NECESSARY AND DESIRABLE FOR THE PROPER COMPLETION OF THE IMPROVEMENTS.

I FURTHER AGREE TO COMMENCE WORK ON ANY IMPROVEMENTS SHOWN ON THESE PLANS WITHIN EXISTING COUNTY RIGHT-OF-WAY WITHIN 90 DAYS AFTER ISSUANCE OF THE CONSTRUCTION PERMIT AND TO PURSUE SUCH WORK ACTIVITY ON EVERY NORMAL WORKING DAY UNTIL COMPLETED, RESPECTIVE AND INDEPENDENT OF ANY OTHER WORK ASSOCIATED WITH THIS PROJECT OR UNDER MY CONTROL.

BY: David Williams, Agent  
 D & D LANDWINDINGS  
 5440 MORRISSE DR # 4000  
 SAN DIEGO, CA 92161  
 DATE: 2/16/05

**DECLARATION OF RESPONSIBLE CHANGE**  
 I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT THAT I HAVE EXERCISED RESPONSIBLE CHANGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN 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 OF THE COUNTY OF SAN DIEGO AND THE SAN WATERS DISTRICT ARE CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

**DECLARATION OF RESPONSIBLE CHANGE**  
 I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT THAT I HAVE EXERCISED RESPONSIBLE CHANGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN 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 AND THE SAN WATERS DISTRICT ARE CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

BY: David Williams, Agent  
 11-28-01  
 STREET LIGHT MAINTENANCE REC. #1785 EXP. 8/30/05 DATE

**WORK TO BE DONE**

IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS. THE CURRENT SAN DIEGO COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR IMPROVEMENT OF SUBURBAN STREETS AND STANDARD REFERENCE DRAWINGS. THE WATER FACILITIES WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND DRAWINGS OF THE OTAY WATER DISTRICT. THE SEWER FACILITIES WORK SHALL BE IN ACCORDANCE WITH THE STANDARD REFERENCE DRAWINGS AND STANDARD SPECIFICATIONS FOR SEWER CONSTRUCTION OF THE EAST OTAY MESA SEWER MAINTENANCE DISTRICT.

**LEGEND**

ITEM	DESCRIPTION	SYMBOL
15", 18" SEWER MAIN	S-10, S.S.P.W.C. SECT. 308-1.2-1.1	
12" SEWER MAIN	S-4 (TYPE C), S-10	
12" SEWER LATERAL		
SEWER MANHOLE AND COVER	S-2 (S-3), M-3, M-4	
CONCRETE ENCASMENT	MODIFIED S-7	
12" WATER MAIN		
12" WATER MAIN	12" DUCTILE IRON PIPE	
8" RECLAIMED WATER MAIN	8" D. 200 PVC	
EXISTING WATER MAIN	EXIST 8" ADP	
PIPE PROTECTION PAD	WP-06	
1" AND 3/4" AUTOMATIC COMBINATION AIR, WA-01, WA-02, RELEASE & AIR/VACUUM VALVES	M WA-03	
2" BLOWOFF INSTALLATION	WB-01, WB-04	
TEMPORARY 2" BLOWOFF INSTALLATION	WB-05	
8" FIRE HYDRANT WITH (2-4" & 2-1/2" PORTS)	WF-01, WF-04	
REDUCED PRESSURE BACKFLOW PREVENTION DEVICE ON WATER SERVICE	WR-02	
GATE VALVE (8", 10", 12")	WV-02, WV-03 & WV-04	
THRUST BLOCKS	WT-01, WT-02	
END CAP (8"12")	WT-03	
WATER TEST STATION INSTALLATION	WM-01, WM-02	
TYPE "A" PEDESTRIAN RAMP	D-27	
STREET LIGHT	E1, E2	
STREET NAME SIGN	OS-13	
2" A.C. MEDIAN PAVEMENT		
TYPE "A" DIKE	G-5	
6" TYPE "1" CURB	G-2	
TYPE "B-2" CURB	G-6	
AC/AS PAVEMENT	GENERAL NOTE 2	
4" R.C.C. SIDEWALK	G-7, G-9, G-10	
GUARD RAIL	PER CALTRANS STANDARDS (SEE GENERAL NOTES)	
AC SPILLWAY	D-22	
STORM DRAIN	D-60	
HEADWALL	D-32	
WING HEADWALL	D-34	
MINOR DRAINAGE CHANNEL	D-70	
TYPE "E" BROW DITCH	D-78	
TYPE "H", "B-1", "B-2" INLET	U-2	
TYPE "A-4" C/O	D-9, D-11	
CURB OUTLET-TYPE A	D-25	
BARRICADE	M-9	
RB RAP ENERGY DISSIPATOR	D-40	
CONCRETE ENERGY DISSIPATOR	D-41	

**BENCHMARK**  
 STREET CENTERLINE WELL MONUMENT IN OTAY MESA ROAD, 1/2 MILE WEST OF ALTA RD. ELEV: 684.30 CALTRANS HANDBOOK RECORDS, BUS MONUMENT DATABASE (R.O.S. 14492)

**TEMPORARY BENCHMARK**  
 STREET CENTERLINE WELL MONUMENT AT THE INTERSECTION OF OTAY MESA ROAD AND ALTA ROAD. ELEV: 621.94

N.O.I. NO. 837 8318886

FOR SPECIAL PROVISIONS, REFER TO THE COUNTY OF SAN DIEGO GUARD RAIL SPECIFICATIONS.

**EAST OTAY MESA SEWER MAINTENANCE DISTRICT "AS BUILT" #15862**  
 BY: David Williams  
 DATE: 7-30-2004

**KIMBLE HORN AND ASSOCIATES "RECORD PLAN" SHEETS 1-15**  
 BY: Lee McWhorter  
 SAMUEL LAKE MCHWORTHY  
 DATE: 9/21/04  
 REC. #1785 EXP. 8/30/05

**MICHAEL E. EMBICK** DE 2482 EXPIRED 8/30/05  
 GEOTECH INCORPORATED  
 6980 FLANDERS DRIVE  
 SAN DIEGO, CA 92121  
 (608) 508-6900

**DAVID B. EVANS** DEC 1680 EXPIRED 3/31/01  
 GEOTECH INCORPORATED  
 6980 FLANDERS DRIVE  
 SAN DIEGO, CA 92121  
 (608) 508-6900

**EAST OTAY MESA SEWER MAINTENANCE DISTRICT 745607**  
 BY: David Williams 12/10/01  
 VALID FOR TWO YEARS DATE

**Kimley-Horn and Associates, Inc.**  
 Engineering, Planning and Environmental Consultants  
 517 Faris Avenue, Suite 201-San Diego, CA 92108  
 TEL: (619) 234-8411 FAX: (619) 234-8423  
 WWW: kimley-horn.com

**SAN DIEGO RURAL FIRE DISTRICT FIRE MARSHAL**  
 BY: David Williams 12-3-01  
 DATE: 12-3-01

**PRIVATE CONTRACT**  
 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS

**PLANS FOR THE IMPROVEMENT OF ONSITE PUBLIC IMPROVEMENTS & OFFSITE SEWER FACILITIES FOR T.P.M. NO. 20510**

RECOMMENDED BY: [Signature] DATE: 12/10/01  
 APPROVED BY: [Signature] DATE: 12/10/01

REVISIONS	BY	APPROVED	DATE	COORDINATE FOOT
1. REVISE LOCATION OF 8" AND 12" FOR SEWER	BLM	[Signature]	12/17/01	1488 N. 1788X E
2. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
3. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
4. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
5. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
6. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
7. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
8. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
9. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
10. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
11. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
12. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
13. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
14. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
15. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
16. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
17. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
18. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
19. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
20. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
21. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
22. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
23. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
24. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
25. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
26. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
27. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
28. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
29. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
30. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
31. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
32. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
33. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
34. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
35. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
36. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
37. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
38. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
39. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
40. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
41. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
42. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
43. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
44. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
45. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
46. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
47. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
48. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
49. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	
50. REVISED SEWER CHANGED TOTAL NO. SHEETS	BLM	[Signature]	01/25/02	

**PUBLIC IMPROVEMENTS FOR OTAY MESA GENERATING CO., L.L.C. TITLE SHEET**

DATE: 12/05/01  
 AS-BUILT 1-20-04  
 (SHTS. 4-15 OFFSITE SEWER CIVIL)

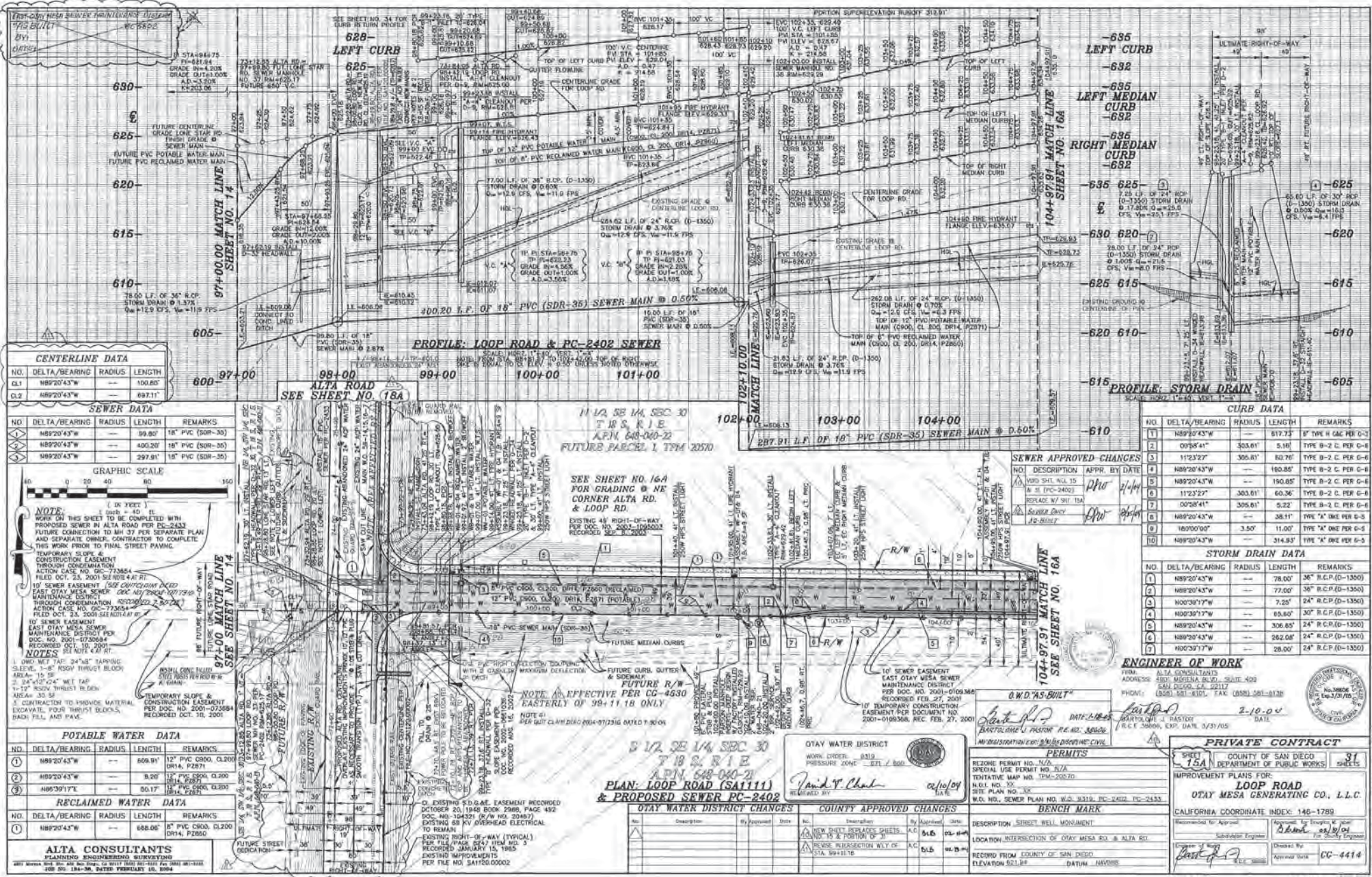
SCALE: HORIZ. 1"=40' VERT. 1"=4'

FILE NO. 837085300.143.001.000009.0200

SHEET 1 OF 31 SHEETS

ALTA CONSULTANTS (858) 508-6101

First-class Sewer Maintenance System  
"BIG BLUE"  
BY  
GWS

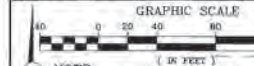


**CENTERLINE DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH
CL1	N89°20'43"W	---	100.80'
CL2	N89°20'43"W	---	697.11'

**SEWER DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°20'43"W	---	99.80'	18" PVC (SDR-35)
2	N89°20'43"W	---	90.20'	18" PVC (SDR-35)
3	N89°20'43"W	---	297.91'	18" PVC (SDR-35)



**NOTE:** (IN FEET)  
1. WORK ON THIS SHEET TO BE COMPLETED WITH PROPOSED SEWER IN ALTA ROAD FOR PC-2402 FUTURE CONNECTION TO BH 37 PER SEPARATE PLAN AND SEPARATE OWNER. CONTRACTOR TO COMPLETE THIS WORK PRIOR TO FINAL STREET PAVING.  
2. TEMPORARY SLOPE & CONSTRUCTION EASEMENT THROUGH CONSERVATION DISTRICT PER ACTION CASE NO. DC-773054  
3. 10' SEWER EASEMENT (SEE OUTCUTTING DEED EAST OTAY MESA SEWER MAINTENANCE DISTRICT PER DOC. NO. 2001-0730084 RECORDED OCT. 10, 2001)  
4. 10' SEWER EASEMENT (SEE OUTCUTTING DEED EAST OTAY MESA SEWER MAINTENANCE DISTRICT PER DOC. NO. 2001-0730084 RECORDED OCT. 10, 2001)  
**NOTES:** SEE NOTE C-1 AT

**POTABLE WATER DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°20'43"W	---	509.91'	12" PVC C900, CL200 DR14, P2871
2	N89°20'43"W	---	5.20'	12" PVC C900, CL200 DR14, P2871
3	N89°39'17"E	---	50.17'	12" PVC C900, CL200 DR14, P2871

**RECLAIMED WATER DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°20'43"W	---	688.06'	8" PVC C900, CL200 DR14, P2860

**ALTA CONSULTANTS' PLANNING ENGINEERING SURVEYING**  
2881 Mission Blvd., Suite 200, San Diego, CA 92108  
JOB NO. 18A-06, DATED FEBRUARY 04, 2004

**PROFILE: LOOP ROAD & PC-2402 SEWER**

STATION	SEWER MAIN (18" SDR-35)	STORM DRAIN (36" R.C.P.)
97+00	78.00 L.F. OF 36" R.C.P. (0-1350) STORM DRAIN @ 3.76% SLOPE. V=11.9 FFS	---
98+00	---	---
99+00	---	---
100+00	---	---
101+00	---	---

**PROFILE: STORM DRAIN**

STATION	STORM DRAIN (36" R.C.P.)
605	78.00 L.F. OF 36" R.C.P. (0-1350) STORM DRAIN @ 3.76% SLOPE. V=11.9 FFS
610	---
615	---
620	---
625	---
630	---
635	---
640	---
645	---
650	---

**CURB DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°20'43"W	---	617.73'	8" TYPE B C&P PER D-3
2	00°58'41"	303.61'	5.16'	TYPE B-2 C&P PER D-4
3	11°23'27"	303.61'	82.76'	TYPE B-2 C&P PER D-4
4	N89°20'43"W	---	190.85'	TYPE B-2 C&P PER D-4
5	N89°20'43"W	---	190.85'	TYPE B-2 C&P PER D-4
6	11°23'27"	303.61'	60.26'	TYPE B-2 C&P PER D-4
7	00°58'41"	303.61'	6.22'	TYPE B-2 C&P PER D-4
8	N89°20'43"W	---	38.11'	TYPE "A" ONE PER D-5
9	180°00'00"	3.50'	11.00'	TYPE "A" ONE PER D-5
10	N89°20'43"W	---	314.83'	TYPE "A" ONE PER D-5

**STORM DRAIN DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°20'43"W	---	78.00'	36" R.C.P. (0-1350)
2	N89°20'43"W	---	77.00'	36" R.C.P. (0-1350)
3	N00°39'17"W	---	7.25'	24" R.C.P. (0-1350)
4	N00°39'17"W	---	69.80'	30" R.C.P. (0-1350)
5	N89°20'43"W	---	306.85'	24" R.C.P. (0-1350)
6	N89°20'43"W	---	262.08'	24" R.C.P. (0-1350)
7	N00°39'17"W	---	28.00'	24" R.C.P. (0-1350)

**ALTA ROAD SEE SHEET NO. 18A**

**SEE SHEET NO. 16A FOR GRADING @ NE CORNER ALTA RD. & LOOP RD.**

**SEE SHEET NO. 16A FOR GRADING @ NE CORNER ALTA RD. & LOOP RD.**

**NOTE: AN EFFECTIVE PER CC-4530 EASTERLY OF 99+11.18 ONLY**

**1 1/2" SE 1/4 SEC 30 T8 S R 1 E A.P.N. 548-040-22 FUTURE PARCEL 1, TPM 2550**

**1 1/2" SE 1/4 SEC 30 T8 S R 1 E A.P.N. 548-040-22 FUTURE PARCEL 1, TPM 2550**

**1 1/2" SE 1/4 SEC 30 T8 S R 1 E A.P.N. 548-040-22 FUTURE PARCEL 1, TPM 2550**

**1 1/2" SE 1/4 SEC 30 T8 S R 1 E A.P.N. 548-040-22 FUTURE PARCEL 1, TPM 2550**

**OTAY WATER DISTRICT CHANGES**

No.	Description	By	Date
1	REVISION TO SHEET NO. 15 & PORTION OF SHEET NO. 16	A.C.	5.15
2	REVISION PURSUANCE WAY OF STA. 99+11.18	A.C.	5.15

**COUNTY APPROVED CHANGES**

No.	Description	By	Date
1	REVISION TO SHEET NO. 15 & PORTION OF SHEET NO. 16	A.C.	5.15
2	REVISION PURSUANCE WAY OF STA. 99+11.18	A.C.	5.15

**BENCH MARK**

Description	Street Well Monument
LOCATION INTERSECTION OF OTAY MESA RD. & ALTA RD.	---

**RECORD FROM COUNTY OF SAN DIEGO**

ELEVATION 521.89 DATUM - NAVD83

**ENGINEER OF WORK**

FROM: ALTA CONSULTANTS  
PROJECT ADDRESS: 5400 MONTANA BLVD., SUITE 400  
SAN DIEGO, CA 92121  
PHONE: (619) 581-8101 FAX: (619) 581-8130

**PERMITS**

REVISION PERMIT NO. 142A  
SPECIAL USE PERMIT NO. 512A  
TENTATIVE MAP NO. 12M-2002-02  
M.C.L. NO. XX  
SITE PLAN NO. XX  
W.O. NO., SEWER PLAN NO. W.O. 9319, PC-2402, PC-2433

**PRIVATE CONTRACT**

COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 31 SHEETS  
IMPROVEMENT PLAN FOR: **LOOP ROAD**  
OTAY MESA GENERATING CO., L.L.C.  
CALIFORNIA COORDINATE INDEX: 146-1789

**OTAY WATER DISTRICT CHANGES**

WORK ORDER: 0319  
PRESSURE: 2004 - 271 / 800

**OTAY WATER DISTRICT CHANGES**

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**BENCH MARK**

LOCATION INTERSECTION OF OTAY MESA RD. & ALTA RD.

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**BENCH MARK**

LOCATION INTERSECTION OF OTAY MESA RD. & ALTA RD.

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ELEVATION 521.89 DATUM - NAVD83

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**PRIVATE CONTRACT**

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IMPROVEMENT PLAN FOR: **LOOP ROAD**  
OTAY MESA GENERATING CO., L.L.C.  
CALIFORNIA COORDINATE INDEX: 146-1789

**OTAY WATER DISTRICT CHANGES**

WORK ORDER: 0319  
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**COUNTY APPROVED CHANGES**

WORK ORDER: 0319  
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**BENCH MARK**

LOCATION INTERSECTION OF OTAY MESA RD. & ALTA RD.

**RECORD FROM COUNTY OF SAN DIEGO**

ELEVATION 521.89 DATUM - NAVD83

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TENTATIVE MAP NO. 12M-2002-02  
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**PRIVATE CONTRACT**

COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 31 SHEETS  
IMPROVEMENT PLAN FOR: **LOOP ROAD**  
OTAY MESA GENERATING CO., L.L.C.  
CALIFORNIA COORDINATE INDEX: 146-1789

**OTAY WATER DISTRICT CHANGES**

WORK ORDER: 0319  
PRESSURE: 2004 - 271 / 800

**COUNTY APPROVED CHANGES**

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LOCATION INTERSECTION OF OTAY MESA RD. & ALTA RD.

**RECORD FROM COUNTY OF SAN DIEGO**

ELEVATION 521.89 DATUM - NAVD83

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TENTATIVE MAP NO. 12M-2002-02  
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COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 31 SHEETS  
IMPROVEMENT PLAN FOR: **LOOP ROAD**  
OTAY MESA GENERATING CO., L.L.C.  
CALIFORNIA COORDINATE INDEX: 146-1789

**OTAY WATER DISTRICT CHANGES**

WORK ORDER: 0319  
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**PERMITS**

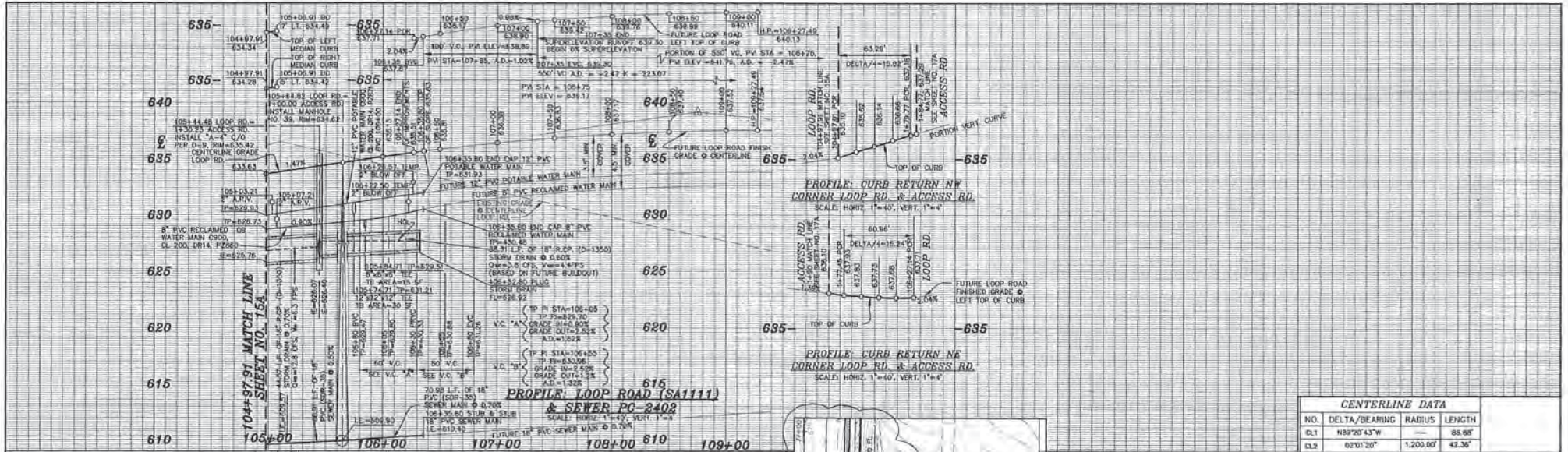
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OTAY MESA GENERATING CO., L.L.C.  
CALIFORNIA COORDINATE INDEX: 146-1789

**OTAY WATER DISTRICT CHANGES**

WORK ORDER: 0319  
PRESSURE: 2004 - 271 / 800



104+87.91 MATCH LINE SHEET NO. 158

SEE SHEET NO. 158 104+87.91 MATCH LINE

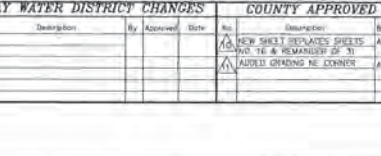
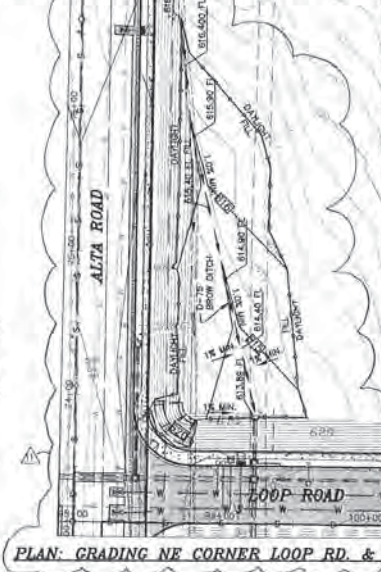
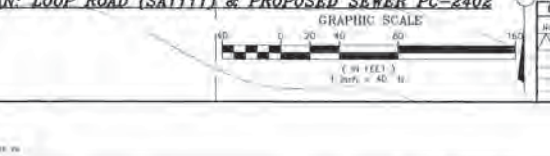
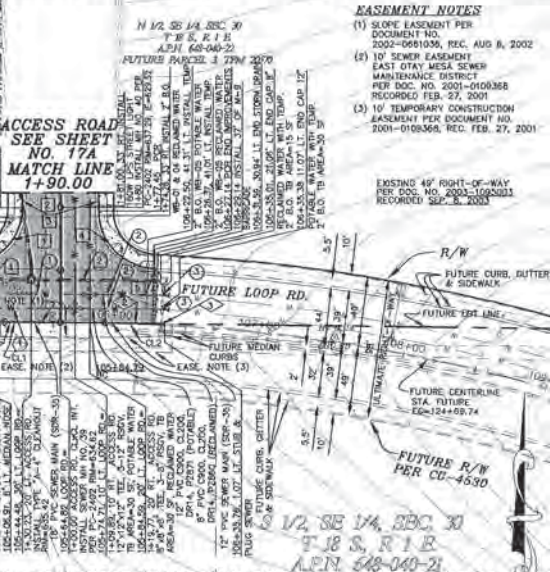
- EASEMENT NOTES**
- (1) SEWER EASEMENT PER DOCUMENT NO. 2002-0691036, REC. AUG 8, 2002
  - (2) 10' SEWER EASEMENT EAST OTAY MESA SEWER MAINTENANCE DISTRICT PER DOC. NO. 2001-0108368 RECORDED FEB. 27, 2001
  - (3) 10' TEMPORARY CONSTRUCTION EASEMENT PER DOCUMENT NO. 2001-0108368, REC. FEB. 27, 2001

ACCESS ROAD SEE SHEET NO. 174 MATCH LINE 1+90.00

SEE SHEET NO. 158 104+87.91 MATCH LINE

SEE SHEET NO. 158 104+87.91 MATCH LINE

SEE SHEET NO. 158 104+87.91 MATCH LINE



**POTABLE WATER DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
(1)	N89°20'43"W	76.60'	12" PVC C900, CL200 DR14, P2871	
(2)	N89°20'43"W	56.00'	12" PVC C900, CL200 DR14, P2871	
(3)	001°4'54"	1164.00'	5.00' 12" PVC C900, CL200 DR14, P2871	

**RECLAIMED WATER DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
(1)	N89°20'43"W	86.68'	8" PVC C900, CL200 DR14, P2860	
(2)	N89°20'43"W	46.21'	8" PVC C900, CL200 DR14, P2860	
(3)	001°4'54"	1174.00'	5.00' 8" PVC C900, CL200 DR14, P2860	

**SEWER APPROVED CHANGES**

NO.	DESCRIPTION	APPROVED BY	DATE
(1)	ADD 30' OF 18" P.V.C. SEWER MAIN	[Signature]	2/10/04
(2)	REPLACE W/ 18" P.V.C. SEWER MAIN	[Signature]	2/10/04

**CENTERLINE DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH
CL1	N89°20'43"W	86.68'	
CL2	02°01'20"	1,200.00'	42.36'

**CURB DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
(1)	90°39'19"	40.00'	83.29'	4" TYPE II C&G PER G-2
(2)	N00°00'52"E	—	10.23'	4" TYPE II C&G PER G-2
(3)	N00°00'02"E	—	12.55'	4" TYPE II C&G PER G-2
(4)	S71°8'25"	40.00'	80.96'	4" TYPE II C&G PER G-2
(5)	N89°20'43"W	—	0.87'	4" TYPE II C&G PER G-2
(6)	N89°20'43"W	—	9.00'	TYPE B-2 C. PER G-6
(7)	N89°00'00"	1.00'	3.14'	TYPE B-2 C. PER G-6
(8)	N89°20'43"W	—	9.00'	TYPE B-2 C. PER G-6

**STORM DRAIN DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
(1)	N89°20'43"W	—	44.58'	24" R.C.P. (D-1380)
(2)	N89°20'43"W	—	86.31'	18" R.C.P. (D-1380)

**SEWER DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
(1)	N89°20'43"W	—	86.91'	18" PVC (SDR-35)
(2)	N89°20'43"W	—	55.98'	18" PVC (SDR-35)
(3)	001°4'54"	1154.00'	5.00'	18" PVC (SDR-35)

OTAY WATER DISTRICT  
 WORK ORDER: 5313  
 PRESSURE ZONE: 3871 / 3881  
 [Signature]  
 REVIEWED BY: [Signature]

**ENGINEER OF WORK**  
 FROM: ALTA CONSULTANTS  
 ADDRESS: 4000 MONTELEONE BLVD., SUITE 400  
 SAN DIEGO, CA 92117  
 PHONE: (619) 581-8100, FAX: (619) 581-8138  
 [Signature]  
 DATE: 2-10-04  
 BARBARA J. PASTOR  
 R.C.E. 30866, EXP. DATE 3/31/05

**PERMITS**

FEZCONE PERMIT NO. N/A  
 SPECIAL USE PERMIT NO. N/A  
 TENTATIVE MAP NO. 154-20820  
 N.C.D. NO. 35  
 SITE PLAN NO. 35  
 W.O. NO., SEWER PLAN NO. W.D. 9319, PC-2402, PC-2431

**BENCH MARK**

DESCRIPTION: STREET WEG. MONUMENT  
 LOCATION: INTERSECTION OF OTAY MESA RD. & ALTA RD.  
 RECORD FROM: COUNTY OF SAN DIEGO  
 ELEVATION: 821.94  
 DATUM: NAVD83

**PRIVATE CONTRACT**

(SHEET 16A) COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 81 SHEETS  
 IMPROVEMENT PLANS FOR:  
**LOOP ROAD**  
 OTAY MESA GENERATING CO., L.L.C.  
 CALIFORNIA COORDINATE INDEX: 148-1789  
 Approved for Approval: [Signature] DATE: 02/10/04  
 Checked by: [Signature] DATE: 02/10/04  
 Approved Date: 02-10-04  
 CC-4414

O.W.D. 'AS-BUILT'  
 [Signature]  
 BARTOLOME J. PASTOR  
 DATE: 1-18-05  
 P.E. NO.: 38660  
 MY REGISTRATION EXPIRES: 3/31/05, DISCIPLINE: C.V.I.L.

**ALTA CONSULTANTS**  
 PLANNING ENGINEERING SURVEYING  
 4000 MONTELEONE BLVD., SUITE 400  
 SAN DIEGO, CA 92117  
 PHONE: (619) 581-8100  
 FAX: (619) 581-8138  
 WWW.ALTA-CONSULTANTS.COM

N 1/2, SE 1/4, SEC. 30  
 T 18 S, R 1 E  
 A.P.N. 648-040-21  
 PLAN: LOOP ROAD (SA1111) & PROPOSED SEWER PC-2402  
 GRAPHIC SCALE  
 1" = 40'

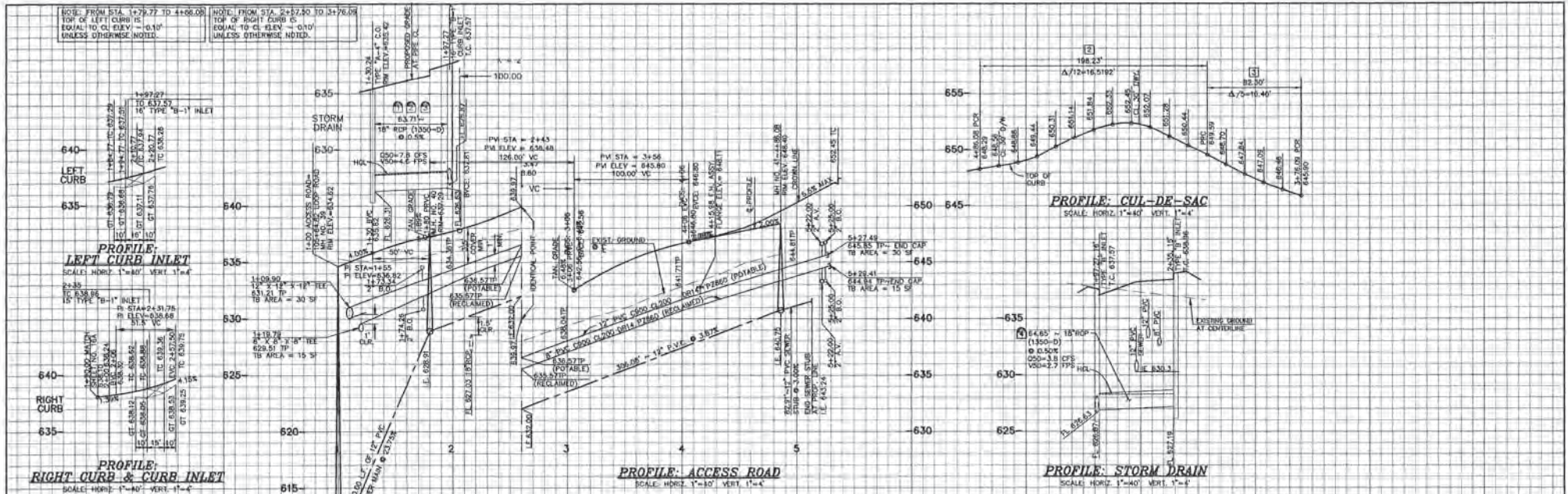
**OTAY WATER DISTRICT CHANGES**

NO.	Description	By	Approved	Date
1	NEW SHEET REPLACES SHEETS NO. 16 & 17 & REMAINS OF 31	A.C.	B.L.B.	02-10-04
2	ADD: GRADING NE CORNER	A.C.	D.L.C.	02-10-04

**COUNTY APPROVED CHANGES**

NO.	Description	By	Approved	Date
1	NEW SHEET REPLACES SHEETS NO. 16 & 17 & REMAINS OF 31	A.C.	B.L.B.	02-10-04
2	ADD: GRADING NE CORNER	A.C.	D.L.C.	02-10-04

ALTA CONSULTANTS  
 (619) 581-8101  
 ENGINEER'S NAME  
 PHONE NO.



NOTE: FROM STA. 1+77.70 TO 1+106.00  
TOP OF LEFT CURB IS  
EQUAL TO CL ELEV. ± 0.10'  
UNLESS OTHERWISE NOTED.

NOTE: FROM STA. 1+54.70 TO 1+51.00  
TOP OF RIGHT CURB IS  
EQUAL TO CL ELEV. ± 0.10'  
UNLESS OTHERWISE NOTED.

**PROFILE: LEFT CURB INLET**  
SCALE: HORIZ. 1"=40' VERT. 1"=4'

**PROFILE: RIGHT CURB & CURB INLET**  
SCALE: HORIZ. 1"=40' VERT. 1"=4'

**PROFILE: ACCESS ROAD**  
SCALE: HORIZ. 1"=40' VERT. 1"=4'

**PROFILE: CUL-DE-SAC**  
SCALE: HORIZ. 1"=40' VERT. 1"=4'

**PROFILE: STORM DRAIN**  
SCALE: HORIZ. 1"=40' VERT. 1"=4'



CENTERLINE DATA				
NO.	BRG./DELTA	RADIUS	LENGTH	REMARKS
1	N00°00'02"E	---	90.00'	
2	N00°00'02"E	---	296.08'	
3	N89°59'58"W	---	24.00'	
4	Δ=37°41'33"	---	115.00'	DROWN LINE

SEWER DATA				
NO.	BRG./DELTA	RADIUS	LENGTH	REMARKS
1	N00°00'02"E	---	90.00'	12" PVC (SOR-35)
2	N00°00'02"E	---	306.08'	12" PVC (SOR-35)

SEWER LATERAL DATA				
NO.	BRG./DELTA	RADIUS	LENGTH	REMARKS
1	N75°18'18"E	---	82.91'	12" PVC (GOR-35)

STORM DRAIN DATA				
NO.	BRG./DELTA	RADIUS	LENGTH	REMARKS
1	N00°00'02"E	---	8.14'	18" RCP (1350-D)
2	Δ=10°00'00"	---	91.60'	18" RCP (1350-D)
3	N09°59'58"W	---	39.69'	18" RCP (1350-D)
4	N54°17'58"E	---	84.65'	18" RCP (1350-D)

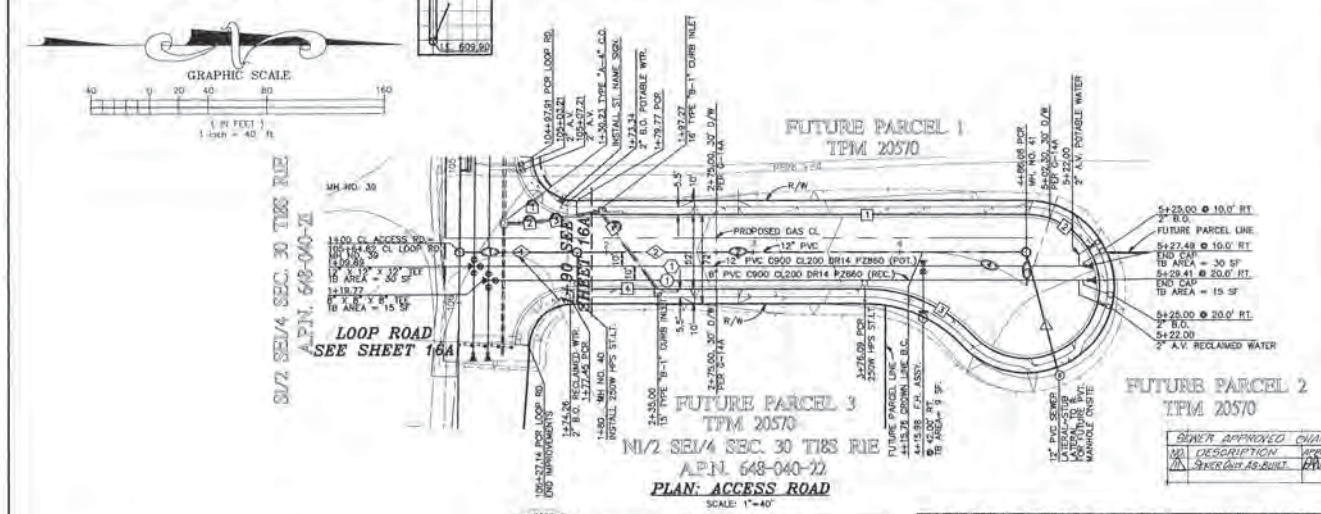
RECLAIMED WATER DATA				
NO.	BRG./DELTA	RADIUS	LENGTH	REMARKS
1	N00°00'02"E	---	409.62'	8" PVC C900 CL 200 DR14 P2860

POTABLE WATER DATA				
NO.	BRG./DELTA	RADIUS	LENGTH	REMARKS
1	N00°00'02"E	---	417.59'	12" PVC C900 CL 200 DR14 P2860

CURB DATA				
NO.	BRG./DELTA	RADIUS	LENGTH	REMARKS
1	N00°00'02"E	---	296.08'	TYPE "H" C&G PER G-2
2	Δ=22°09'23"	---	198.23'	TYPE "H" C&G PER G-2
3	Δ=47°09'23"	---	100.00'	TYPE "H" C&G PER G-2
4	N00°00'02"E	---	186.09'	TYPE "H" C&G PER G-2



OTAY WATER DISTRICT  
WORK ORDER: 5312  
PRIORITY CODE: 371 / 850  
*David J. Clark*  
RECEIVED BY: *02/10/04*  
DATE: 10/21

**ENGINEER OF WORK**  
FIRM: ALTA CONSULTANTS  
ADDRESS: 3801 MONROE BLVD., SUITE 408  
SAN DIEGO, CA 92117  
PHONE: (619) 591-5101, FAX: (619) 591-5138  
*Barthelemy J. Pastor*  
BARTHOLOME J. PASTOR  
P.C. 3808, REG. DATE: 3/31/05  
DATE: 2-10-04



SEWER APPROVED CHANGES			COUNTY APPROVED CHANGES		
NO.	DESCRIPTION	APPROVED BY	NO.	DESCRIPTION	APPROVED BY
1	NEW SHEET REPLACES SHEET 17A-C	<i>02/10/04</i>	1		

PERMITS	
NO.	DESCRIPTION
1	REZONE PERMIT NO. 137A
2	SPECIAL USE PERMIT NO. 137A
3	TENTATIVE MAP NO. TM-20570
4	N.D.U. NO. 35
5	SITE PLAN NO. 35
6	W.O. NO., SEWER PLAN NO. W.O. 9319, EG-2492, EC-2433

BENCH MARK	
DESCRIPTION	STREET WELL NO./MIN.
1	LOCATION INTERSECTION OF OTAY MESA RD. & ALTA RD.
2	ELEVATION 521.84
3	DATUM: NAVD83

**PRIVATE CONTRACT**  
SHEET 17A  
COUNTY OF SAN DIEGO  
DEPARTMENT OF PUBLIC WORKS  
IMPROVEMENT PLANS FOR:  
**LOOP ROAD**  
OTAY MESA GENERATING CO., L.L.C.  
CALIFORNIA COORDINATE INDEX: 146-1789  
Recommended for Approval: *02/10/04*  
Approved for Design & Issue: *02/10/04*  
Prepared by: *02/10/04*  
Checked by: *02/10/04*  
Approved Date: *02/10/04*  
Approval Code: *CC-4414*

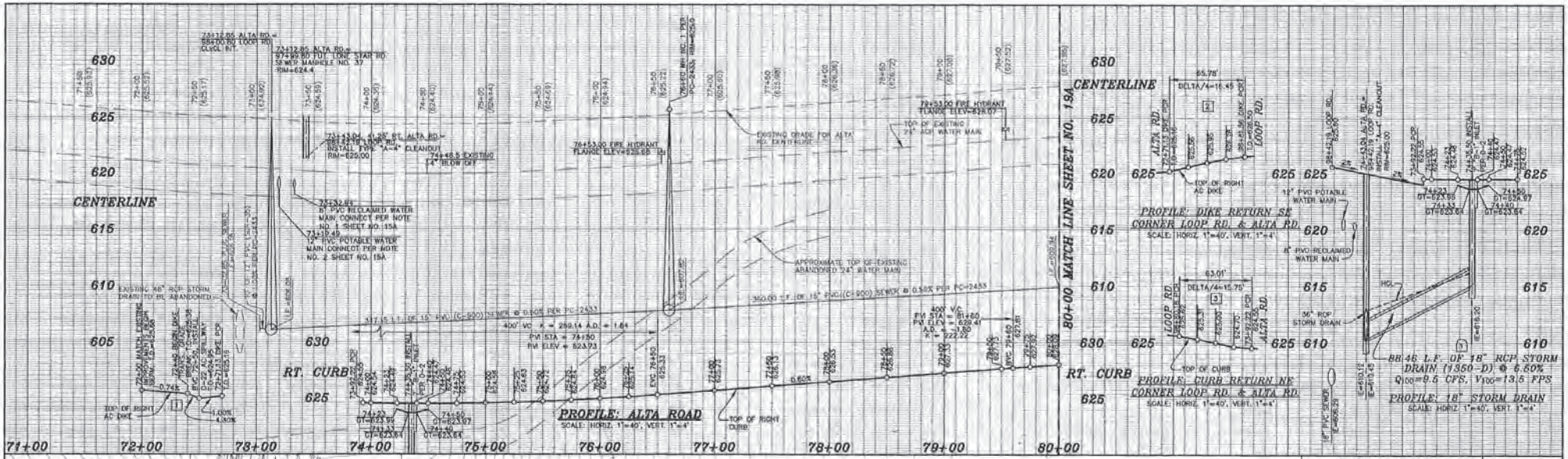
**ALTA CONSULTANTS**  
PLANNING ENGINEERING SURVEYING  
1441 Camino del Rio South, Suite 200, San Diego, CA 92108  
302 NO. 104-56, DATED FEBRUARY 4, 2004



O.W.D. "AS-BUILT"  
*Barthelemy J. Pastor*  
BARTHOLOME J. PASTOR  
PE NO. 3808  
DATE: 1-18-05  
REG. NO. 38626  
MY REGISTRATION EXPIRES: 3/31/06. DISCIPLINE: CIVIL

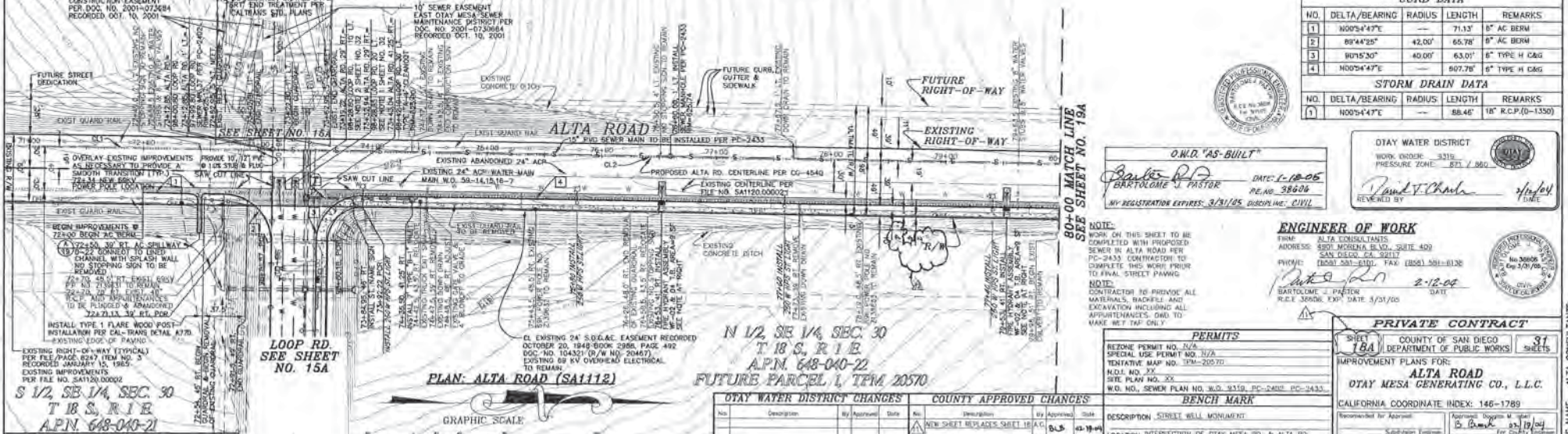
OTAY WATER DISTRICT CHANGES	
NO.	DESCRIPTION
1	

ENGINEER'S NAME: ALTA CONSULTANTS  
PHONE NO.: (619) 591-5101



SE 1/4, SW 1/4, SEC. 30  
T 18 S, R 1 E  
A.P.N. 648-040-B

NE 1/4, SW 1/4, SEC. 30  
T 18 S, R 1 E  
A.P.N. 648-040-II



**ALTA CONSULTANTS**  
PLANNING ENGINEERING SURVEYING  
4800 Jamboree Blvd., 4th Floor, San Diego, CA 92131 (619) 591-1500 FAX (619) 591-1505  
JOB NO. 18A-06, DATED FEBRUARY 16, 2004

**LOOP RD**  
SEE SHEET  
NO. 15A



O'DAY WATER DISTRICT CHANGES				COUNTY APPROVED CHANGES			
No.	Description	By	Date	Description	By	Date	State
1	NEW SHEET REPLACES SHEET 18 A.C.	BLS	03-19-04				
2	MOVE SIGN TO CLEAR EXIST POWER POLES	ACB	03-17-04				

**O.W.D. "AS-BUILT"**  
BARTOLOME J. PASTOR  
DATE: 1-18-05  
RE: NO. 38606  
MY REGISTRATION EXPIRES: 3/31/05 DISCIPLINE: CIVIL

**O'DAY WATER DISTRICT**  
WORK ORDER: 3316  
PRESSURE ZONE: RT-1/360  
REVIEWED BY: *David J. Chalk* 4/1/04  
DATE



**ENGINEER OF WORK**  
FIRM: ALTA CONSULTANTS  
ADDRESS: 5901 MORENA BLVD., SUITE 400  
SAN DIEGO, CA 92121  
PHONE: (602) 581-8100, FAX: (602) 581-8130  
DATE: 2-18-04  
BARTOLOME J. PASTOR  
R.E. 38606, EXP. DATE 3/31/05

**PERMITS**  
BEFORE PERMIT NO. 212A  
SPECIAL USE PERMIT NO. 107A  
TENTATIVE MAP NO. 10M-20570  
N.D. NO. 77  
SITE PLAN NO. XX  
W.D. NO. SEVEN PLAN NO. W.D. 9319, PC-2402, PC-2433

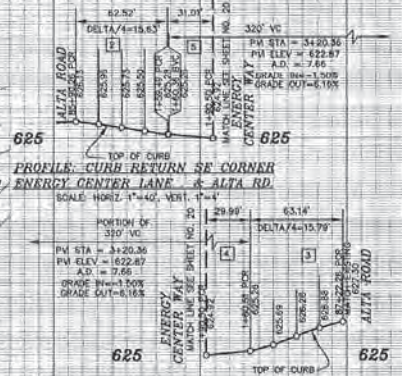
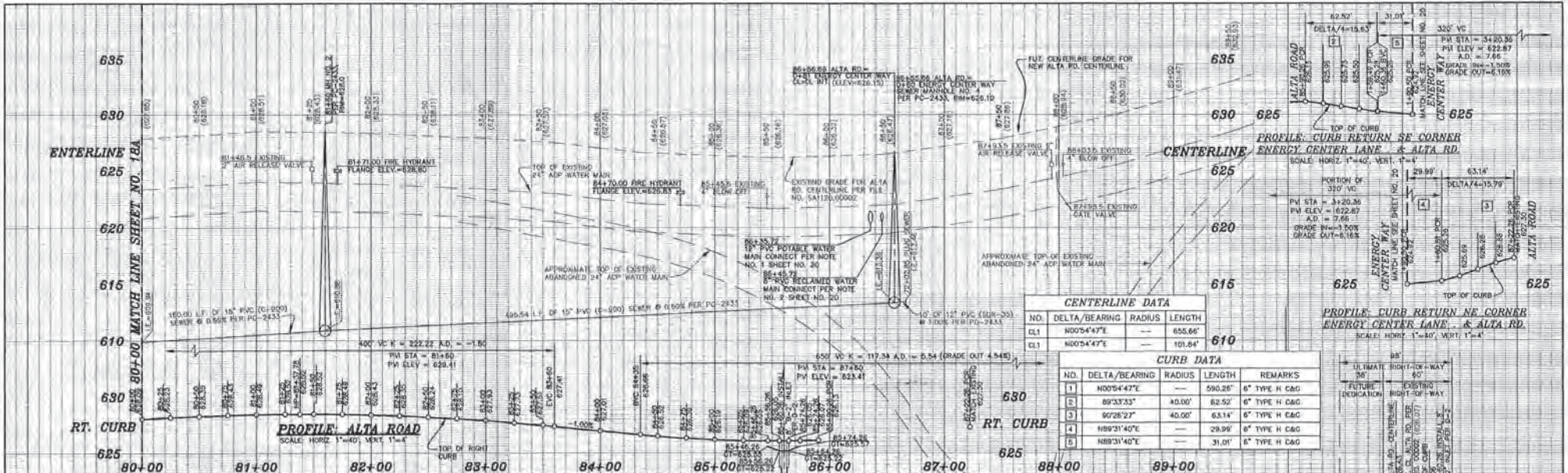
**BENCH MARK**  
DESCRIPTION: STREET WELL MONUMENT  
LOCATION: INTERSECTION OF O'DAY MESA RD. & ALTA RD.  
RECORD FROM COUNTY OF SAN DIEGO  
ELEVATION: 521.94  
DATUM: NAVD83

**PRIVATE CONTRACT**  
SHEET 18A OF 31 SHEETS  
COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS  
IMPROVEMENT PLANS FOR:  
**ALTA ROAD**  
O'DAY MESA GENERATING CO., L.L.C.  
CALIFORNIA COORDINATE INDEX: 146-1789  
Recommended for Approval: *B. Bunch* 03/19/04  
Checked by: *David J. Chalk* 03/19/04  
Approved Date: CC-4414

ENGINEER'S NAME: ALTA CONSULTANTS  
PHONE NO. (619) 581-6101

FILE NO. 18A-06  
P.W.O. 9319



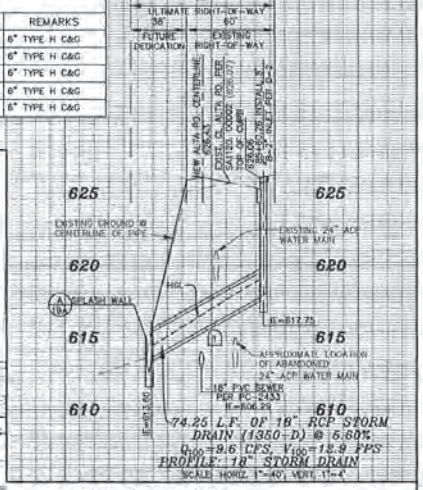
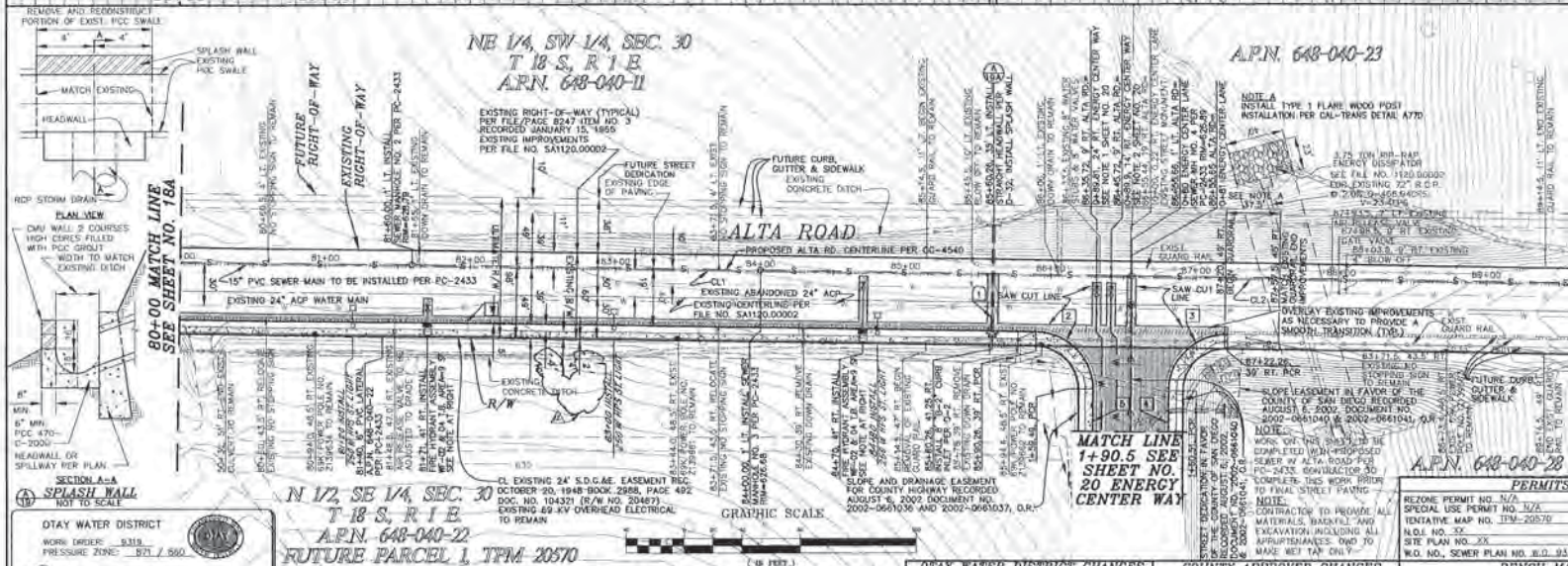


**CENTERLINE DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
CL1	N00°54'47"E	—	655.66'	610
CL2	N00°54'47"E	—	101.64'	610

**CURB DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N00°54'47"E	—	590.26'	6" TYPE H C&G
2	S9°33'33"	40.00'	82.52'	6" TYPE H C&G
3	S0°28'27"	40.00'	63.14'	6" TYPE H C&G
4	N89°31'40"E	—	28.96'	6" TYPE H C&G
5	N89°31'40"E	—	31.01'	6" TYPE H C&G



**OTAY WATER DISTRICT CHANGES**

NO. Description By Approved Date

1. NEW SHEET RELEASED SHEET 19-A-C

2. NONE SHOWN TO CLEAR EXIST. POWER POLES

**COUNTY APPROVED CHANGES**

NO. Description By Approved Date

1. NONE SHOWN TO CLEAR EXIST. POWER POLES

**PERMITS**

REZONE PERMIT NO. N/A

SPECIAL USE PERMIT NO. N/A

TENTATIVE MAP NO. 19M-20570

MAP NO. XX

SITE PLAN NO. XX

W.D. NO., SEWER PLAN NO. S.D. 9318, PC-2402, PG-2433

**BENCH MARK**

DESCRIPTION STREET WELL MONUMENT

LOCATION INTERSECTION OF OTAY MESA RD. & ALTA RD.

ELEVATION 621.84

DATUM NAVSS82

**STORM DRAIN DATA**

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°02'13"W	—	74.25'	18" R.C.P. (D=1350)

**OTAY WATER DISTRICT CHANGES**

NO. Description By Approved Date

1. NONE SHOWN TO CLEAR EXIST. POWER POLES

**COUNTY APPROVED CHANGES**

NO. Description By Approved Date

1. NONE SHOWN TO CLEAR EXIST. POWER POLES

**PERMITS**

REZONE PERMIT NO. N/A

SPECIAL USE PERMIT NO. N/A

TENTATIVE MAP NO. 19M-20570

MAP NO. XX

SITE PLAN NO. XX

W.D. NO., SEWER PLAN NO. S.D. 9318, PC-2402, PG-2433

**BENCH MARK**

DESCRIPTION STREET WELL MONUMENT

LOCATION INTERSECTION OF OTAY MESA RD. & ALTA RD.

ELEVATION 621.84

DATUM NAVSS82

**PRIVATE CONTRACT**

SHEET 19A COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 31

IMPROVEMENT PLANS FOR: **ALTA ROAD**

OTAY MESA GENERATING CO., L.L.C.

CALIFORNIA COORDINATE INDEX 146-1789

Prepared by: Approved by: Checked by: Drawn by: Date: 10/14/08

Checked by: Approved by: Date: 10/14/08

Project No. CC-4414

**ALTA CONSULTANTS**

PLANNING ENGINEERING SURVEYING

3881 Mission Road, Ste. 100 San Diego, CA 92121 (619) 441-1111 Fax: (619) 441-1414

2007 NO. 184-24, BATED PERMIT NO. 1000

**OTAY WATER DISTRICT CHANGES**

NO. Description By Approved Date

1. NONE SHOWN TO CLEAR EXIST. POWER POLES

**COUNTY APPROVED CHANGES**

NO. Description By Approved Date

1. NONE SHOWN TO CLEAR EXIST. POWER POLES

**PERMITS**

REZONE PERMIT NO. N/A

SPECIAL USE PERMIT NO. N/A

TENTATIVE MAP NO. 19M-20570

MAP NO. XX

SITE PLAN NO. XX

W.D. NO., SEWER PLAN NO. S.D. 9318, PC-2402, PG-2433

**BENCH MARK**

DESCRIPTION STREET WELL MONUMENT

LOCATION INTERSECTION OF OTAY MESA RD. & ALTA RD.

ELEVATION 621.84

DATUM NAVSS82

**PRIVATE CONTRACT**

SHEET 19A COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 31

IMPROVEMENT PLANS FOR: **ALTA ROAD**

OTAY MESA GENERATING CO., L.L.C.

CALIFORNIA COORDINATE INDEX 146-1789

Prepared by: Approved by: Checked by: Drawn by: Date: 10/14/08

Checked by: Approved by: Date: 10/14/08

Project No. CC-4414

**ENGINEER OF WORK**

FROM ALTA CONSULTANTS

ADDRESS 3881 MISSION BLVD. SUITE 100

SAN DIEGO, CA 92121

PHONE (619) 591-1111 FAX (619) 591-1114

Signature: Date: 10/14/08

BARTOLAMEO, PASTOR

R.C.E. 38560, Exp. DATE 3/31/09

**PRIVATE CONTRACT**

SHEET 19A COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 31

IMPROVEMENT PLANS FOR: **ALTA ROAD**

OTAY MESA GENERATING CO., L.L.C.

CALIFORNIA COORDINATE INDEX 146-1789

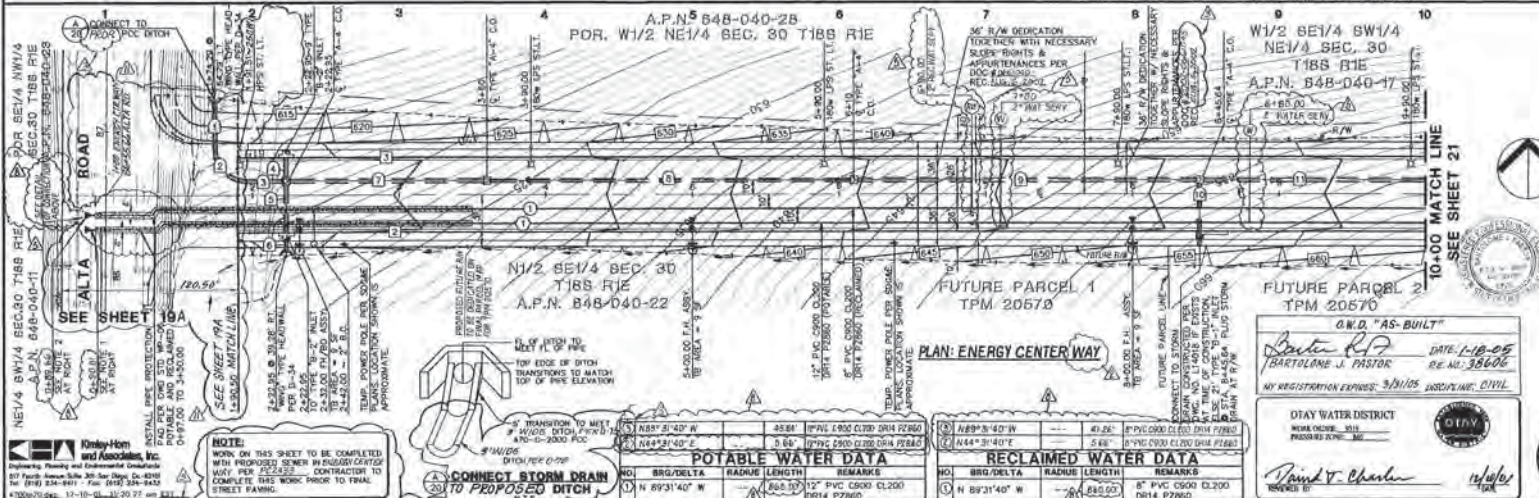
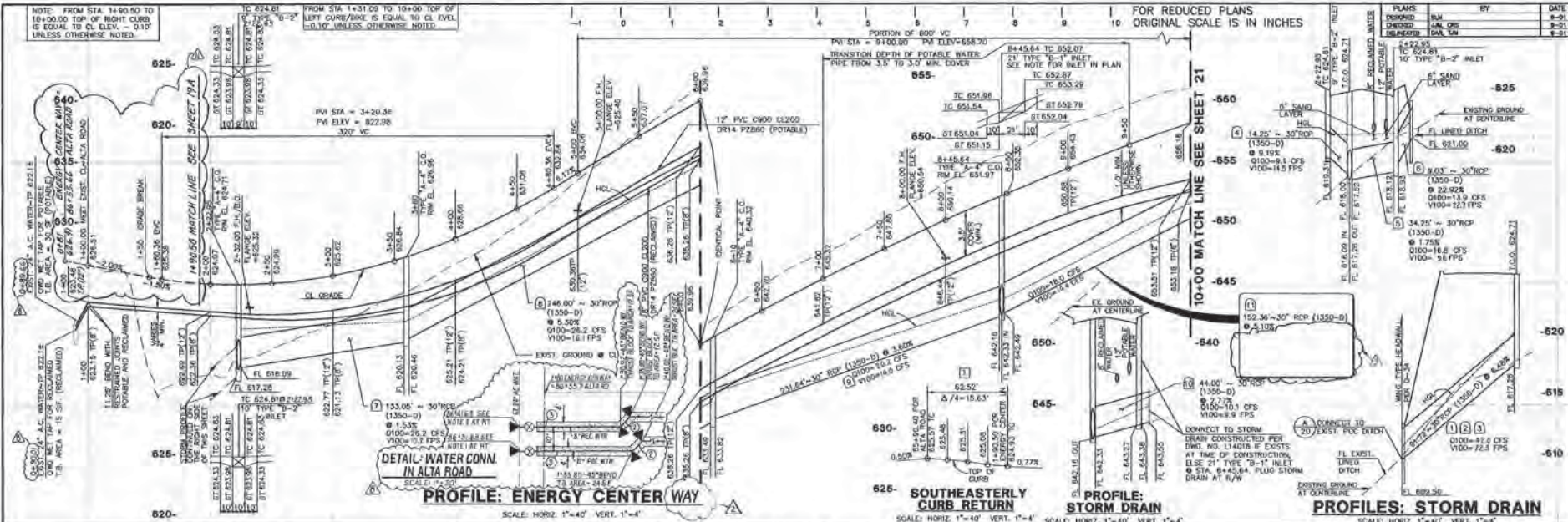
Prepared by: Approved by: Checked by: Drawn by: Date: 10/14/08

Checked by: Approved by: Date: 10/14/08

Project No. CC-4414

ENGINEER'S NAME: ALTA CONSULTANTS

PHONE NO.: (619) 591-1111



**STORM DRAIN DATA**

NO.	BIG/DELTA	RADIUS	LENGTH	REMARKS
1	N00°19'47"E	---	32.50'	30" RCP (1350-D)
2	S89°51'26"E	---	22.50'	30" RCP (1350-D)
3	N89°31'40"W	---	24.00'	30" RCP (1350-D)
4	N00°28'20"E	---	14.25'	30" RCP (1350-D)
5	N00°28'20"E	---	34.25'	30" RCP (1350-D)
6	N00°28'20"E	---	8.03'	30" RCP (1350-D)
7	N89°31'40"W	---	133.00'	30" RCP (1350-D)
8	N89°31'40"W	---	246.00'	30" RCP (1350-D)
9	N89°31'40"W	---	231.64'	30" RCP (1350-D)
10	N00°28'20"E	---	44.00'	30" RCP (1350-D)
11	N89°31'40"W	---	152.36'	30" RCP (1350-D)

**CURB DATA**

NO.	BIG/DELTA	RADIUS	LENGTH	REMARKS
1	N89°31'40"W	---	40.00'	TYPE "M" C&G PER C-2
2	N89°31'40"W	---	600.50'	TYPE "M" C&G PER C-2
3	N89°31'40"W	---	608.50'	TYPE "M" C&G PER C-2
4	N89°31'40"W	---	60.42'	TYPE "M" C&G PER C-2

**PRIVATE CONTRACT**  
 COUNTY OF SAN DIEGO  
 DEPARTMENT OF PUBLIC WORKS

PLANS FOR THE IMPROVEMENT OF  
**ONSITE PUBLIC IMPROVEMENTS  
 & OFFSITE SEWER FACILITIES**  
 FOR T.P.M. NO. 20570

DATE: 12/12/01  
 APPROVED BY: [Signature]

**POTABLE WATER DATA**

NO.	BIG/DELTA	RADIUS	LENGTH	REMARKS
1	N89°31'40"W	---	588.50'	8" PVC C900 CL200
2	N64°51'40"E	---	5.88'	8" PVC C900 CL200 (SEE PLAN)

**RECLAIMED WATER DATA**

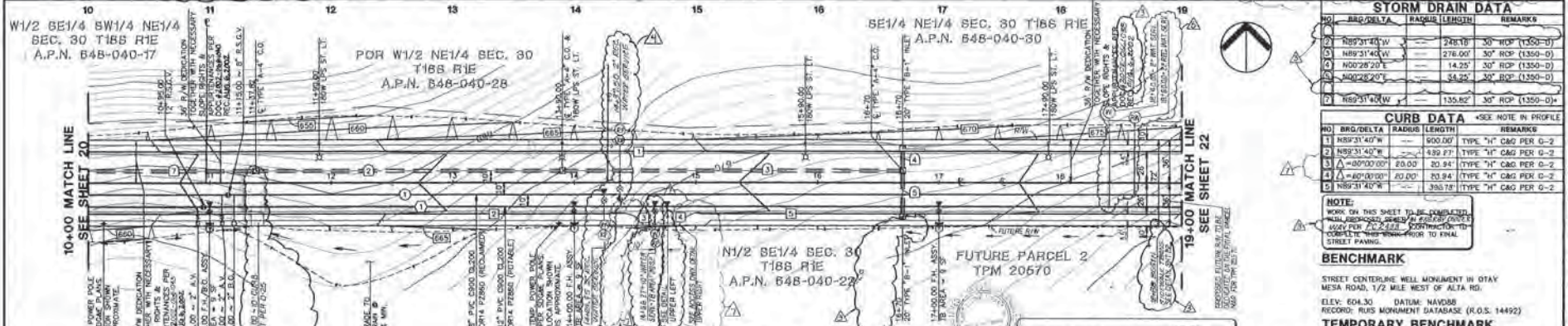
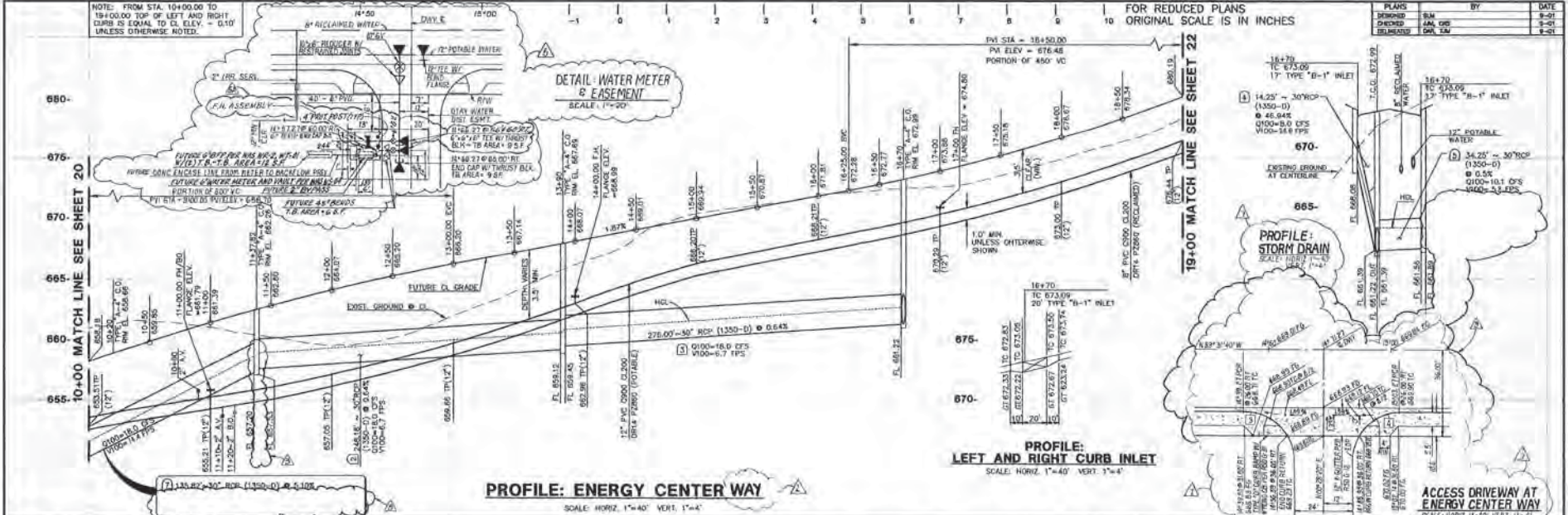
NO.	BIG/DELTA	RADIUS	LENGTH	REMARKS
1	N89°31'40"W	---	840.00'	8" PVC C900 CL200
2	N64°51'40"E	---	5.88'	8" PVC C900 CL200 (SEE PLAN)

DATE: 12/12/01  
 APPROVED BY: [Signature]

**PUBLIC IMPROVEMENTS FOR OTAY MESA GENERATING CO., L.L.C.**  
**ENERGY CENTER WAY**

PRECISION JAN 15 2002 MICROFILMED 12/05/01 W09319 CG4414 PC2402 SHEET 20 OF 31

KIMLEY-HORN AND ASSOCIATES, INC. TEL: (619) 234-9411 FAX: (619) 234-9433



**POTABLE WATER DATA**

NO.	BRG./DELTA	RADIUS	LENGTH	REMARKS
1	N89°31'40"W	---	900.00'	12" PVC C900 CL200 DR14 P2860

**RECLAIMED WATER DATA**

NO.	BRG./DELTA	RADIUS	LENGTH	REMARKS
1	N89°31'40"W	---	900.00'	16" PVC C900 CL200 DR14 P2860

**TEMPORARY BENCHMARK**

STREET CENTERLINE WELL MONUMENT AT THE INTERSECTION OF OTAY MESA ROAD AND ALTA ROAD.  
ELEV: 621.94

**ENGINEER OF WORK**  
Suzanne Lake Melton 12-10-01  
SUNBELT LAKE MONUMENTS R.C.C. 61788 EXP. 6/30/05 DATE

**REVISIONS**

NO.	REVISION	DATE
1	REV. ST. NAME, CHANGED TOTAL NO. OF SHEETS	12/12/01
2	ADD. REVISIONS & WATER SERVICE	
3	ADD. REG. NAT. & NAT. SEW. EMBIT	
4	ADD. ACCESS & PROTECT. DETAILS TO B. DETAIL	

**PRIVATE CONTRACT**  
COUNTY OF SAN DIEGO  
DEPARTMENT OF PUBLIC WORKS

**ONSITE PUBLIC IMPROVEMENTS & OFFSITE SEWER FACILITIES FOR TRM. NO. 20570**

**PUBLIC IMPROVEMENTS FOR OTAY MESA GENERATING CO., L.L.C.**  
**ENERGY CENTER WAY**

DATE: 12/05/01

W09319  
CG4414  
PC2402

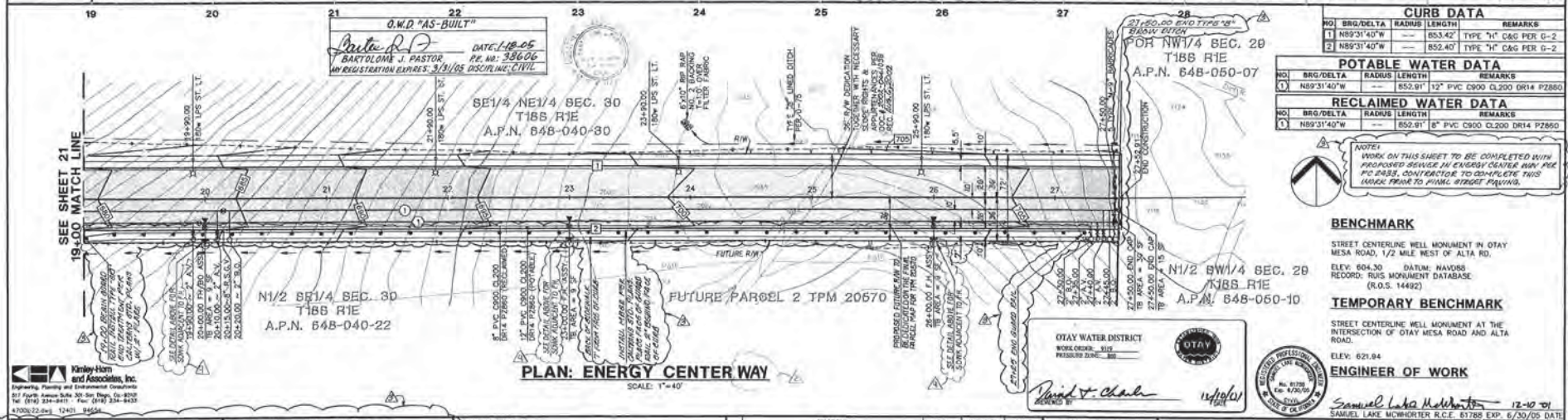
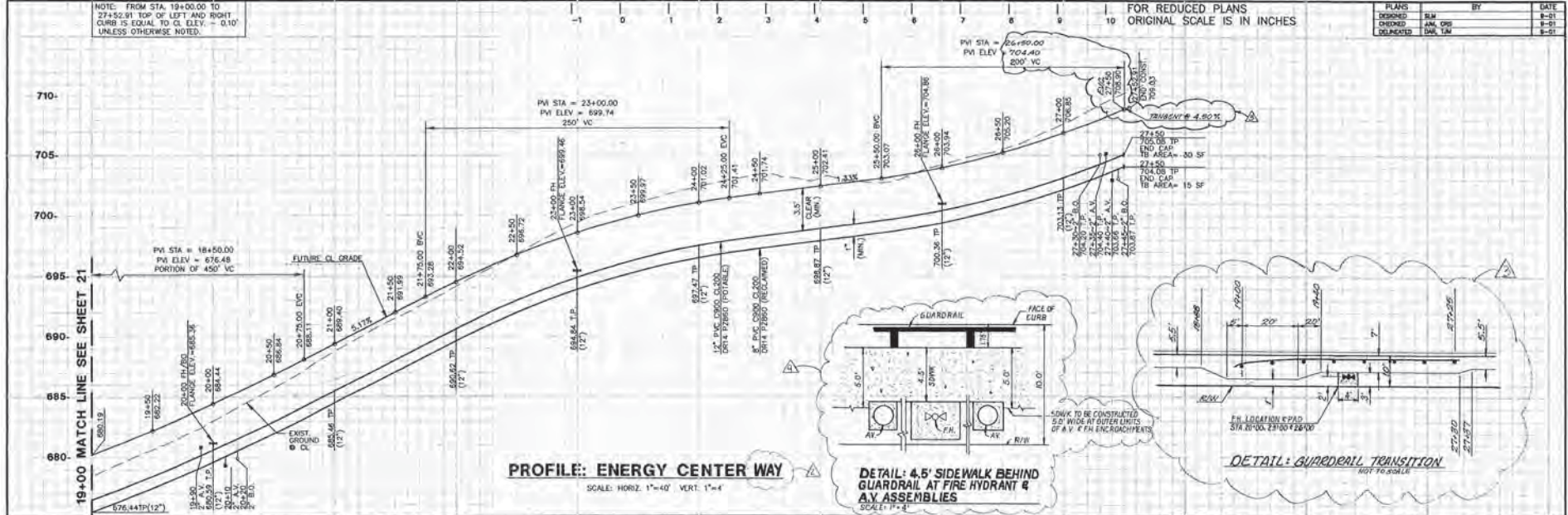
KIMLEY-HORN AND ASSOCIATES, INC. TEL: (619) 234-9441 FAX: (619) 234-9433

PRECISION  
MICROFILMED

NOTE: FROM STA 19+00.00 TO 27+52.81 TOP OF LEFT AND RIGHT CURB IS EQUAL TO CL ELEV. - 0.10' UNLESS OTHERWISE NOTED.

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

PLANS	BY	DATE
DRAWING	BM	8-01
CHECKED	JAM, ORS	8-01
DELETED	DAL, TAM	8-01



**Kimley-Horn and Associates, Inc.**  
Engineering, Planning and Environmental Consultants  
5777 La Jolla Village Drive, Suite 200, San Diego, CA 92138  
Tel: (619) 594-1411 Fax: (619) 594-1422  
4700N/22-000 12401 94654

**PRIVATE CONTRACT**  
COUNTY OF SAN DIEGO  
DEPARTMENT OF PUBLIC WORKS

PLANS FOR THE IMPROVEMENT OF:  
**ONSITE PUBLIC IMPROVEMENTS & OFFSITE SEWER FACILITIES FOR T.R.M. NO. 20570**

REVISIONS	BY	APPROVED	DATE
1. REV. ST. NAME, CHANGED TOTAL NO. OF SHEETS	JAA	[Signature]	6-25-10
2. REV. LEVEL SYMBOL, TYPE PILE, SOILS, FILL	JAA	[Signature]	6-25-10
3. LOC. NEW GUARDRAIL, ROAD DATA, SEWERING	JAA	[Signature]	6-25-10
4. PERMITS, SERVICE NOTE.	JAA	[Signature]	6-25-10
5. FILE SYMBOL, BOUNDARY, ADDED SYMBOLS (ELEV)	JAA	[Signature]	6-25-10

COORDINATE INDEX
148X N, 1788X E
CONST. COMP.
FIELD REVISIONS

**PUBLIC IMPROVEMENTS FOR OTAY MESA GENERATING CO., L.L.C.**  
**ENERGY CENTER WAY**

SCALE: HORIZ. 1"=40' VERT. 1"=4'
DATE: 12/12/11
FILE NO. 20570/09/09/147/0014700922/002
SHEET 22 OF 31 SHEETS

**BENCHMARK**  
STREET CENTERLINE WELL MONUMENT AT OTAY MESA ROAD, 1/2 MILE WEST OF ALTA RD.  
ELEV. 604.30 DATUM: NAVD83  
RECORD: RUS MONUMENT DATABASE (R.O.S. 14492)

**TEMPORARY BENCHMARK**  
STREET CENTERLINE WELL MONUMENT AT THE INTERSECTION OF OTAY MESA ROAD AND ALTA ROAD.  
ELEV. 621.94

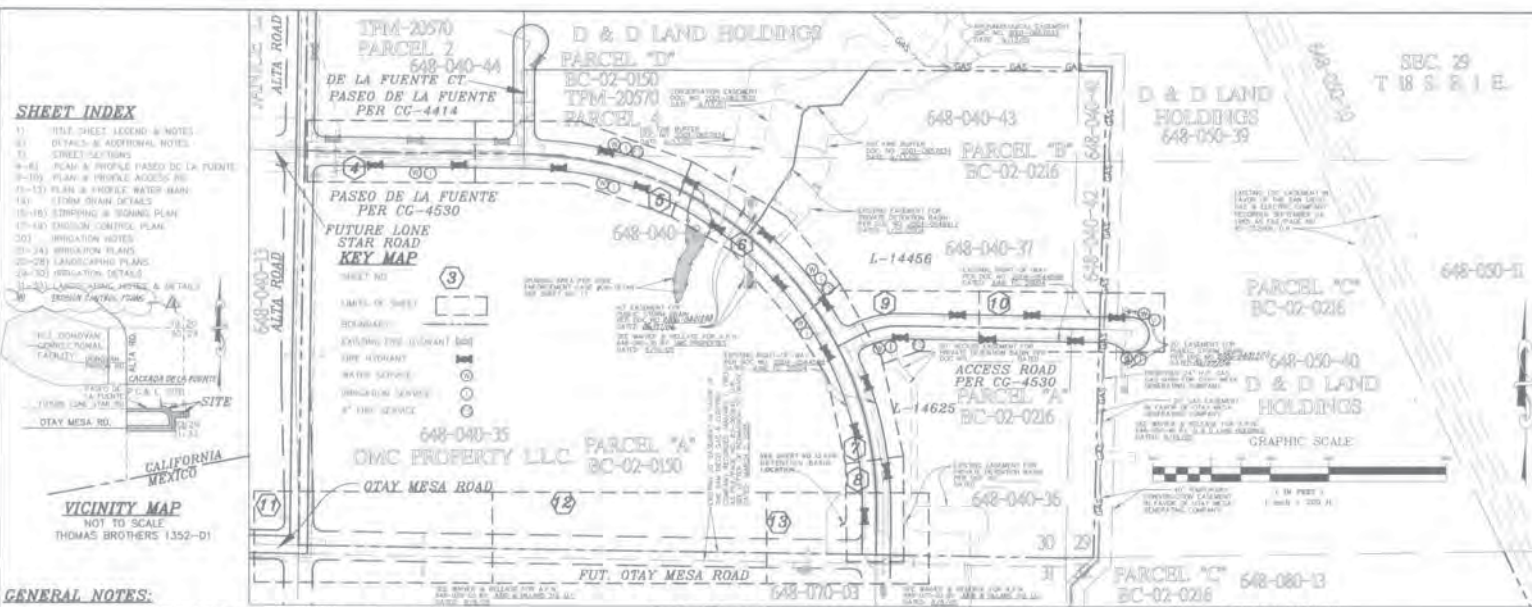
**ENGINEER OF WORK**  
[Signature]  
12-10-11

**KIMLEY-HORN AND ASSOCIATES, INC.**  
TEL: (619) 234-9411 FAX: (619) 234-9433

PREPARED BY: JAA 11-1-10  
MICROFILMED: [Signature]

W09310  
CG4414  
PC2402

12/05/01



**WORK TO BE DONE**

IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS: THE COUNTY SAN DIEGO COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR IMPROVEMENT OF SUBURBAN STREETS AND SUBURBAN OFFICE QUARTERS. THE IMPROVEMENTS SHALL BE CONSTRUCTION IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND DRAWINGS OF THE W.A.S. THE WORK FACILITIES WORK SHALL BE IN ACCORDANCE WITH THE STANDARD REFERENCE DRAWINGS AND STANDARD SPECIFICATIONS FOR SEWER CONNECTION OF THE EAST OTAY MESA SEWER MAINTENANCE DISTRICT.

**STANDARD DRAWINGS**  
SAN DIEGO REGIONAL STANDARD DRAWINGS (1992)

**LEGEND AND QUANTITIES**

ITEM	SEWER IMPROVEMENTS	STD. DWG.	SYMBOL
1" NEW MAIN	5-16, 5.5W.C. SECT. 509-2.1.1, 5-17 TYPE C.L.	1	
1" NEW SERVICE	5-4 (TYPE C.L.)	2	
1" NEW LATERAL		3	
SEWER MANHOLE AND COVER	5-2 (TYPE) W.C. W-1	4	
2" WATER MAIN		5	
2" RECLAIMED WATER MAIN		6	
EXISTING WATER MAIN		7	
2" AUTOMATIC COMBINATION AIR	WA-01, WA-02	8	
2" PRESSURE AIR VALVE	WA-03	9	
2" WINDMILL VALVE	WB-01, WB-04	10	
2" AIRMATIC VALVE	WB-02, WB-03	11	
2" AIRMATIC VALVE	WB-05	12	
2" AIRMATIC VALVE	WB-06	13	
2" AIRMATIC VALVE	WB-07	14	
2" AIRMATIC VALVE	WB-08	15	
2" AIRMATIC VALVE	WB-09	16	
2" AIRMATIC VALVE	WB-10	17	
2" AIRMATIC VALVE	WB-11	18	
2" AIRMATIC VALVE	WB-12	19	
2" AIRMATIC VALVE	WB-13	20	
2" AIRMATIC VALVE	WB-14	21	
2" AIRMATIC VALVE	WB-15	22	
2" AIRMATIC VALVE	WB-16	23	
2" AIRMATIC VALVE	WB-17	24	
2" AIRMATIC VALVE	WB-18	25	
2" AIRMATIC VALVE	WB-19	26	
2" AIRMATIC VALVE	WB-20	27	
2" AIRMATIC VALVE	WB-21	28	
2" AIRMATIC VALVE	WB-22	29	
2" AIRMATIC VALVE	WB-23	30	
2" AIRMATIC VALVE	WB-24	31	
2" AIRMATIC VALVE	WB-25	32	
2" AIRMATIC VALVE	WB-26	33	
2" AIRMATIC VALVE	WB-27	34	
2" AIRMATIC VALVE	WB-28	35	
2" AIRMATIC VALVE	WB-29	36	
2" AIRMATIC VALVE	WB-30	37	
2" AIRMATIC VALVE	WB-31	38	
2" AIRMATIC VALVE	WB-32	39	
2" AIRMATIC VALVE	WB-33	40	
2" AIRMATIC VALVE	WB-34	41	
2" AIRMATIC VALVE	WB-35	42	
2" AIRMATIC VALVE	WB-36	43	
2" AIRMATIC VALVE	WB-37	44	
2" AIRMATIC VALVE	WB-38	45	
2" AIRMATIC VALVE	WB-39	46	
2" AIRMATIC VALVE	WB-40	47	
2" AIRMATIC VALVE	WB-41	48	
2" AIRMATIC VALVE	WB-42	49	
2" AIRMATIC VALVE	WB-43	50	
2" AIRMATIC VALVE	WB-44	51	
2" AIRMATIC VALVE	WB-45	52	
2" AIRMATIC VALVE	WB-46	53	
2" AIRMATIC VALVE	WB-47	54	
2" AIRMATIC VALVE	WB-48	55	
2" AIRMATIC VALVE	WB-49	56	
2" AIRMATIC VALVE	WB-50	57	
2" AIRMATIC VALVE	WB-51	58	
2" AIRMATIC VALVE	WB-52	59	
2" AIRMATIC VALVE	WB-53	60	
2" AIRMATIC VALVE	WB-54	61	
2" AIRMATIC VALVE	WB-55	62	
2" AIRMATIC VALVE	WB-56	63	
2" AIRMATIC VALVE	WB-57	64	
2" AIRMATIC VALVE	WB-58	65	
2" AIRMATIC VALVE	WB-59	66	
2" AIRMATIC VALVE	WB-60	67	
2" AIRMATIC VALVE	WB-61	68	
2" AIRMATIC VALVE	WB-62	69	
2" AIRMATIC VALVE	WB-63	70	
2" AIRMATIC VALVE	WB-64	71	
2" AIRMATIC VALVE	WB-65	72	
2" AIRMATIC VALVE	WB-66	73	
2" AIRMATIC VALVE	WB-67	74	
2" AIRMATIC VALVE	WB-68	75	
2" AIRMATIC VALVE	WB-69	76	
2" AIRMATIC VALVE	WB-70	77	
2" AIRMATIC VALVE	WB-71	78	
2" AIRMATIC VALVE	WB-72	79	
2" AIRMATIC VALVE	WB-73	80	
2" AIRMATIC VALVE	WB-74	81	
2" AIRMATIC VALVE	WB-75	82	
2" AIRMATIC VALVE	WB-76	83	
2" AIRMATIC VALVE	WB-77	84	
2" AIRMATIC VALVE	WB-78	85	
2" AIRMATIC VALVE	WB-79	86	
2" AIRMATIC VALVE	WB-80	87	
2" AIRMATIC VALVE	WB-81	88	
2" AIRMATIC VALVE	WB-82	89	
2" AIRMATIC VALVE	WB-83	90	
2" AIRMATIC VALVE	WB-84	91	
2" AIRMATIC VALVE	WB-85	92	
2" AIRMATIC VALVE	WB-86	93	
2" AIRMATIC VALVE	WB-87	94	
2" AIRMATIC VALVE	WB-88	95	
2" AIRMATIC VALVE	WB-89	96	
2" AIRMATIC VALVE	WB-90	97	
2" AIRMATIC VALVE	WB-91	98	
2" AIRMATIC VALVE	WB-92	99	
2" AIRMATIC VALVE	WB-93	100	

**GENERAL NOTES:**

1. A PERMIT SHALL BE OBTAINED FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS FOR ANY WORK WITHIN THE STREET RIGHT OF WAY.
2. THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARDS AND AS APPROVED BY THE MATERIALS LABORATORY. THE STRUCTURAL SECTION SHALL BE COMPLETED DURING CONSTRUCTION.
3. APPROVAL OF THESE IMPROVEMENT PLANS BY SAN DIEGO DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
4. ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF ANY CURB, CROWN, GUTTER AND FINISH.
5. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE DETERMINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITIES KNOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
6. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE SET BY WORK TO BE DONE SHALL BE DETERMINED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPEDITIOUS CALCULATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT EVIDENCE TO BE PLACED IN REVISIONS AS NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
7. THE CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
  - NOTICE: ALL ELECTRICAL AND GAS SERVICES WITHIN THIS PROJECT ARE UNDERGROUND INSTALLATIONS. FOR LOCATION OF CABLES AND APPURTENANCES CONTACT THE PACIFIC BELL TELEPHONE COMPANY. TELEPHONE: 1-800-422-4133.
8. THE CONTRACTOR SHALL NOTIFY THE PACIFIC BELL TELEPHONE COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
  - NOTICE: ALL TELEPHONE SERVICES WITHIN THIS PROJECT ARE UNDERGROUND INSTALLATIONS. FOR LOCATION OF CABLES AND APPURTENANCES CONTACT THE PACIFIC BELL TELEPHONE COMPANY. TELEPHONE: 1-800-422-4133.
9. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY AGENCIES AHEAD OF TIME OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF REVISIONS, IF NEEDED.
10. ALL TELEPHONE SERVICES WITHIN THIS PROJECT ARE UNDERGROUND INSTALLATIONS. FOR LOCATION OF CABLES AND APPURTENANCES CONTACT THE PACIFIC BELL TELEPHONE COMPANY. TELEPHONE: 1-800-422-4133.
11. POWER SOURCES AND BURNING STREET LIGHTS SHALL BE SHOWN ON THE "AS-BUILT" IMPROVEMENT DRAWINGS. ALL SOURCES SHALL BE LOCATED WITHIN THE DESIGNATED RIGHT-OF-WAY OR WITHIN SEGMENTS LOCATED TO THE COUNTY OF SAN DIEGO.
12. ALL UTILITIES WITHIN THE COUNTY RIGHT-OF-WAY ARE TO BE EVIDENCED.
13. STAKING SHALL BE INSTALLED AHEAD OF ALL 1" VERTICAL TO 2" HORIZONTAL SLOPES THAT ARE GREATER THAN 1% FEET IN VERTICAL HEIGHT. 1% VERTICAL IS WARRANTED FOR EXHIBITIONS. AHEAD SLOPES GREATER THAN 1% OR HORIZONTAL SLOPES GREATER THAN 1% ON THE STREET METRIC GAUGING TRAFFIC MANUAL.
14. PLEASE REFER TO THE FOLLOWING CURRENT METRIC GAUGING STAKING PLANS FOR EXHIBITION INSTALLATIONS:
  - METAL BEAM CHAIR: 4770, 4771, 4772, 4773, 4774, 4775
  - SHOULDER DETAIL: 4776, 4777, 4778, 4779, 4780, 4781, 4782, 4783, 4784, 4785, 4786, 4787, 4788, 4789, 4790, 4791, 4792, 4793, 4794, 4795, 4796, 4797, 4798, 4799, 4800, 4801, 4802, 4803, 4804, 4805, 4806, 4807, 4808, 4809, 4810, 4811, 4812, 4813, 4814, 4815, 4816, 4817, 4818, 4819, 4820, 4821, 4822, 4823, 4824, 4825, 4826, 4827, 4828, 4829, 4830, 4831, 4832, 4833, 4834, 4835, 4836, 4837, 4838, 4839, 4840, 4841, 4842, 4843, 4844, 4845, 4846, 4847, 4848, 4849, 4850, 4851, 4852, 4853, 4854, 4855, 4856, 4857, 4858, 4859, 4860, 4861, 4862, 4863, 4864, 4865, 4866, 4867, 4868, 4869, 4870, 4871, 4872, 4873, 4874, 4875, 4876, 4877, 4878, 4879, 4880, 4881, 4882, 4883, 4884, 4885, 4886, 4887, 4888, 4889, 4890, 4891, 4892, 4893, 4894, 4895, 4896, 4897, 4898, 4899, 4900, 4901, 4902, 4903, 4904, 4905, 4906, 4907, 4908, 4909, 4910, 4911, 4912, 4913, 4914, 4915, 4916, 4917, 4918, 4919, 4920, 4921, 4922, 4923, 4924, 4925, 4926, 4927, 4928, 4929, 4930, 4931, 4932, 4933, 4934, 4935, 4936, 4937, 4938, 4939, 4940, 4941, 4942, 4943, 4944, 4945, 4946, 4947, 4948, 4949, 4950, 4951, 4952, 4953, 4954, 4955, 4956, 4957, 4958, 4959, 4960, 4961, 4962, 4963, 4964, 4965, 4966, 4967, 4968, 4969, 4970, 4971, 4972, 4973, 4974, 4975, 4976, 4977, 4978, 4979, 4980, 4981, 4982, 4983, 4984, 4985, 4986, 4987, 4988, 4989, 4990, 4991, 4992, 4993, 4994, 4995, 4996, 4997, 4998, 4999, 5000
15. FOR SPECIAL PROVISIONS REFER TO THE COUNTY OF SAN DIEGO STANDARD SPECIFICATIONS.

**SOILS/GEOTECHNICAL ENGINEER'S STATEMENT**

I, REVIEWER, A REGISTERED CIVIL ENGINEER OF THE STATE OF CALIFORNIA, PRINCIPALLY ENGINEERED IN THE FIELD OF APPROVED SOIL MECHANICS, HEREBY CERTIFY THAT A SAMPLING AND STUDY OF THE SOIL CONDITIONS PRESENT WITHIN THE SITE WAS MADE BY ME OR UNDER MY DIRECTION BETWEEN THE DATES OF **July 25, 2005** AND **July 28, 2005**. ONE COMPLETE COPY OF THE SOILS REPORT COMPLETED UNDER MY SUPERVISION AND RECOMMENDATIONS HAS BEEN SUBMITTED TO THE OFFICE OF THE COUNTY ENGINEER.

THESE IMPROVEMENT PLANS HAVE BEEN REVIEWED BY ME OR UNDER MY DIRECTION AND CONFORM TO THE RECOMMENDATIONS MADE IN THE SOILS REPORT DATED **September 2, 2005** ENTITLED **"Suburban Lane Rd, Access Rd and Water Main Expansion - Improvement South of Otay Generating Plant, San Diego County, CA"**.

**OWNER'S CERTIFICATE**

IT IS HEREBY CERTIFIED THAT THE OWNER DEVELOPER HAS REVIEWED THESE PLANS AND IS SATISFIED THAT THEY COMPLY WITH ALL APPLICABLE ORDINANCES AND REGULATIONS AND IS HEREBY AUTHORIZING THE CONTRACTOR TO PROCEED WITH THE WORK SHOWN ON THESE PLANS.

IT IS FURTHER AGREED THAT THE OWNER DEVELOPER SHALL HAVE A REGISTERED CIVIL ENGINEER MAKE SUCH CHANGES, ALTERATIONS OR ADDITIONS TO THESE PLANS WHICH THE DIRECTOR OF PUBLIC WORKS DEEMES NECESSARY AND DISPOSABLE FOR THE PROPER COMPLETION OF THE IMPROVEMENTS.

I, **David J. Evans**, COUNTY ENGINEER, DO HEREBY CERTIFY THAT THESE PLANS COMPLY WITH ALL APPLICABLE ORDINANCES AND REGULATIONS AND I AM HEREBY AUTHORIZING THE CONTRACTOR TO PROCEED WITH THE WORK SHOWN ON THESE PLANS.

DATE: **9/13/05**

**APPROVED EARTHWORK QUANTITIES:**

EXCAVATION: 290,000 C.Y.  
FILL: 20,000 C.Y.  
TOTAL: 310,000 C.Y.

**SAN DIEGO RURAL FIRE PROTECTION DISTRICT**

DATE: **9/16/05**

**EAST OTAY MESA SEWER MAINTENANCE DISTRICT**

DATE: **8/17/06**

**OTAY WATER DISTRICT**

DATE: **8/3/06**

**OTAY WATER DISTRICT AS BUILT**

DATE: **8/3/06**

OTAY WATER DISTRICT AS BUILT	OTAY WATER DISTRICT CHANGES	COUNTY APPROVED CHANGES	BENCH MARK
NO CHANGES	NO CHANGES	NO CHANGES	NO CHANGES

**DECLARATION OF RESPONSIBLE CHARGE**

I, **David J. Evans**, COUNTY ENGINEER, DO HEREBY CERTIFY THAT I AM THE ENGINEER OF RECORD FOR THIS PROJECT AND I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DESIGNED IN RECORDING CODE AND THAT THE DESIGN IS IN ACCORDANCE WITH ALL APPLICABLE ORDINANCES AND REGULATIONS.

I UNDERSTAND THAT THE DESIGN OF THESE DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF SAN DIEGO AND THE COUNTY WATER DISTRICT IS COMPLETED TO A REGISTERED CIVIL ENGINEER AND DOES NOT RELIEVE ME AS ENGINEER IN CHARGE OF MY RESPONSIBILITY FOR THE DESIGN.

DATE: **9/1/05**

**PERMITS**

DEPARTMENT OF PLANNING AND LAND USE

APPROVED FOR COMPLIANCE WITH THE ENVIRONMENTAL REVIEW

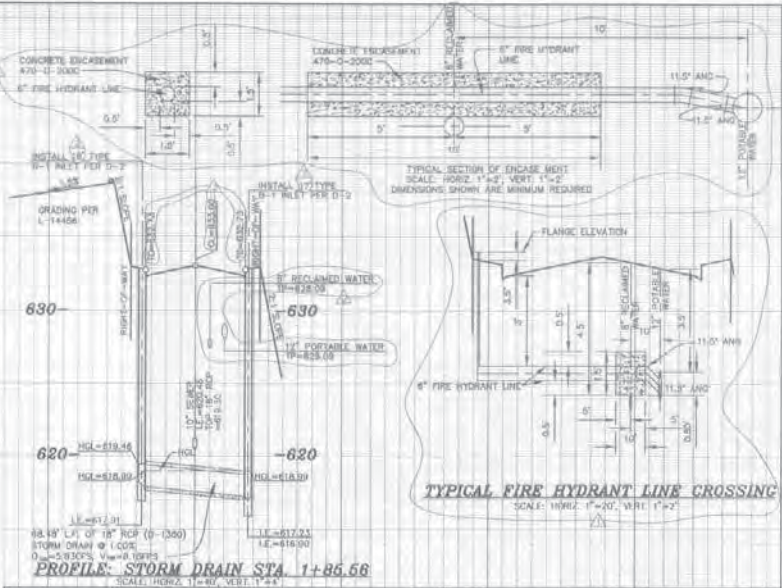
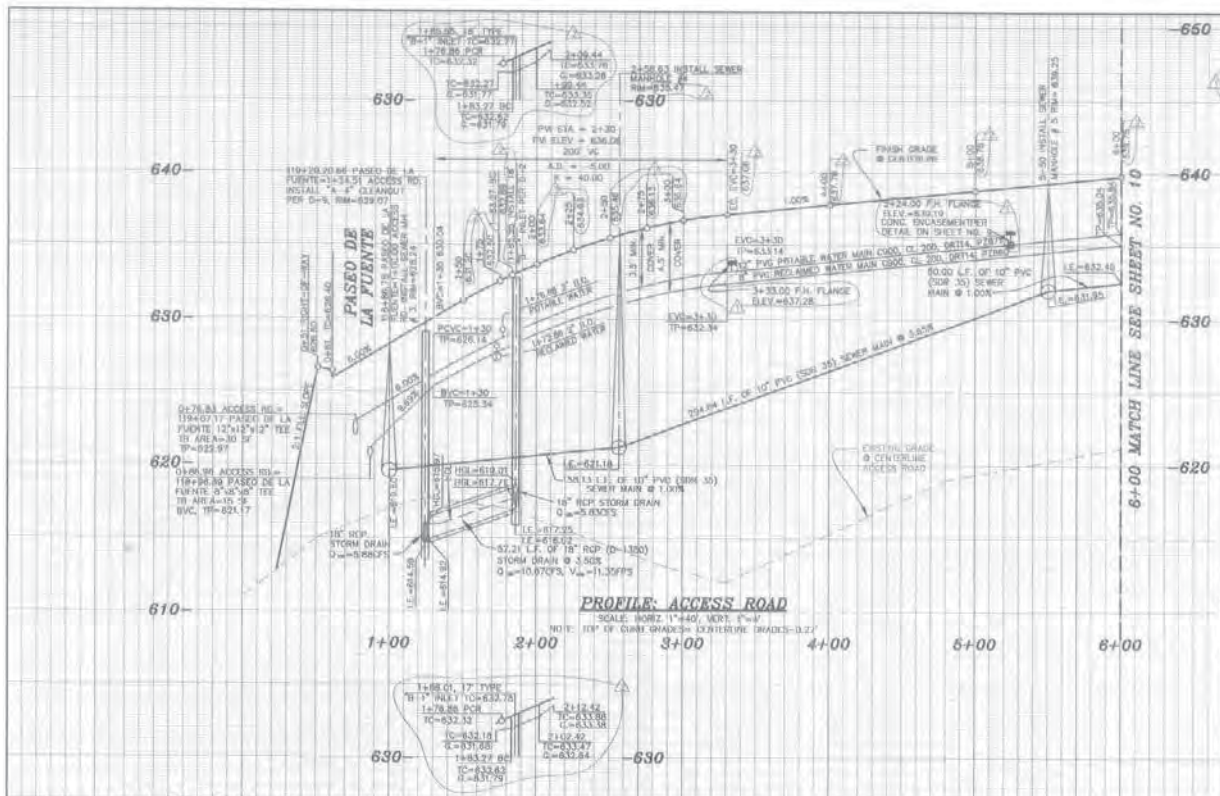
DATE: **9/1/05**

**PRIVATE CONTRACT**

COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS

IMPROVEMENT PLANS FOR: **PASEO DE LA FUENTE & ACCESS ROAD SOUTH OF OTAY GENERATING PLANT CALIFORNIA COORDINATE INSET: 148-1789**

DATE: **8/5/06**



**PROFILE: STORM DRAIN STA. 1+85.58**  
SCALE: HORIZ 1"=40', VERT 1"=4'

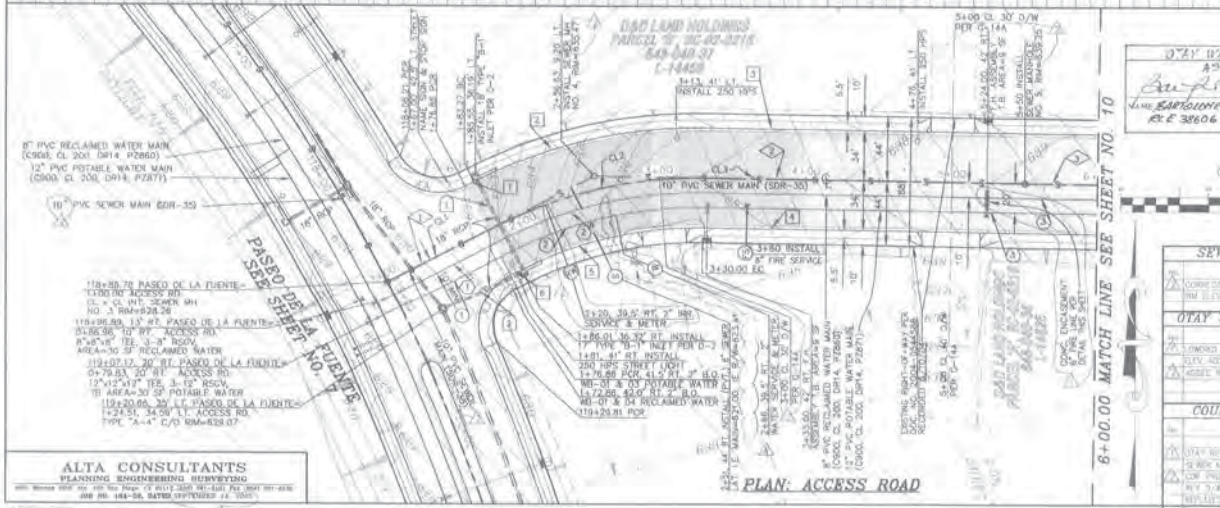
POTABLE WATER DATA				CURB DATA					
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS	NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N62°48'28"E	—	108.43	12" PVC C900, CL200, DR14, P2871	1	N62°48'28"E	—	8.40	8" TYPE II C&G PER G-2
2	DELTA=280°1'32"	250.00	136.96	12" PVC C900, CL200, DR14, P2871	2	DELTA=280°1'32"	334.00	163.37	8" TYPE II C&G PER G-1
3	N89°10'00"W	—	270.00	12" PVC C900, CL200, DR14, P2871	3	N89°10'00"W	—	270.00	8" TYPE II C&G PER G-1
4	N89°10'00"W	—	270.00	12" PVC C900, CL200, DR14, P2871	4	N89°10'00"W	—	270.00	8" TYPE II C&G PER G-1
5	DELTA=280°1'32"	256.00	130.31	8" TYPE II C&G PER G-1	5	DELTA=280°1'32"	286.00	143.07	8" TYPE II C&G PER G-1
6	N82°48'28"E	—	8.40	8" TYPE II C&G PER G-1	6	N82°48'28"E	—	8.40	8" TYPE II C&G PER G-1

RECLAIMED WATER DATA				STORM DRAIN DATA					
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS	NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N62°48'28"E	—	98.30	8" PVC C900, CL200, DR14, P2860	1	N27°1'32"W	—	68.46	18" R.C.P. (D-1350)
2	DELTA=280°1'32"	250.00	141.85	8" PVC C900, CL200, DR14, P2860	2	N64°25'33"W	—	57.31	18" R.C.P. (D-1350)
3	N89°10'00"W	—	270.00	8" PVC C900, CL200, DR14, P2860	3	N89°10'00"W	—	50.00	10" PVC SDR-35

CENTERLINE DATA				SEWER DATA					
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS	NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
CL1	N89°10'00"W	—	83.29		1	N62°48'28"E	—	158.13	10" PVC SDR-35
CL2	DELTA=280°1'32"	300.00	146.74		2	N89°10'00"W	—	234.87	10" PVC SDR-35
CL3	N89°10'00"W	—	270.00		3	N89°10'00"W	—	50.00	10" PVC SDR-35



**OTAY WATER DISTRICT**  
AS BUILT  
DATE: 10-28-08  
NAME: BARTOLOME J. PASTOR  
R/E 38666 Exp. 3/31/09

**GRAPHIC SCALE**  
1" = 40'

**SEWER APPROVED CHANGES**

Description	By	Date
CONCRETE ENCASEMENT	MAT. NO.	1/24/08

**OTAY WATER DISTRICT CHANGES**

Description	By	Date
STORM DRAIN	REV. 11/11/08	11/11/08
SEWER MAIN	REV. 11/11/08	11/11/08

**COUNTY APPROVED CHANGES**

Description	By	Date
OTAY REQUIREMENTS CHANGE	AS	5/24/08
SEWER MAIN MATERIAL	AS	5/24/08
CONCRETE ENCASEMENT	AS	5/24/08

**PERMITS**

BEZON PERMIT NO. 517  
MAJOR USE PERMIT NO. 512  
TENTATIVE MAP NO. 512  
ASSET NO. 512-022246  
SITE PLAN NO. 512-5570  
GRADING PLAN NO. 3-14458

**BENCH MARK**

DESCRIPTION: STREET BENCH MARK  
LOCATION: INTERSECTION OF OTAY MESA RD & 14TH ST  
RECORD FROM COUNTY OF SAN DIEGO  
ELEVATION: 871.81  
DATUM: NAD83

**ENGINEER OF WORK**  
NAME: BARTOLOME J. PASTOR  
DATE: 1-10-09

**PRIVATE CONTRACT**

SHEET 01 COUNTY OF SAN DIEGO 46  
DEPARTMENT OF PUBLIC WORKS SHEETS  
IMPROVEMENT PLANS FOR  
**ACCESS ROAD**  
SOUTH OF OTAY GENERATING PLANT  
CALIFORNIA COORDINATE INDEX: 146-1789  
CG-4530

**ALTA CONSULTANTS**  
PLANNING ENGINEERING SURVEYING  
1000 Camino del Rio South, Suite 200, San Diego, CA 92108  
TEL: 619-594-8800 FAX: 619-594-8801  
WWW.ALTA-CO.COM

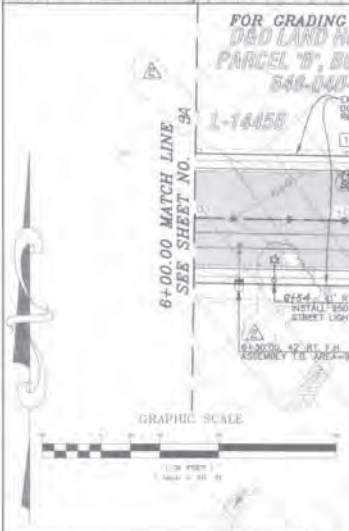
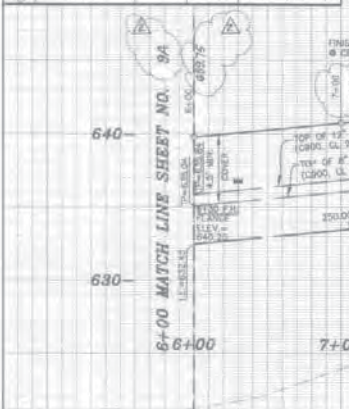
CURB DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°10'00"W	—	521.02'	6" TYPE II C&G PER G-2
2	DELTA=218°07'30"	50.00'	192.20'	6" TYPE II C&G PER G-2
3	S82.74=387°07'20"	100.00'	86.54'	6" TYPE II C&G PER G-2
4	N89°10'00"W	—	526.41'	6" TYPE II C&G PER G-2

STORM DRAIN DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N00°50'00"E	—	48.00'	30" R.C.P. (D-1350)
2	N00°50'00"E	—	188.00'	30" R.C.P. (D-1350)

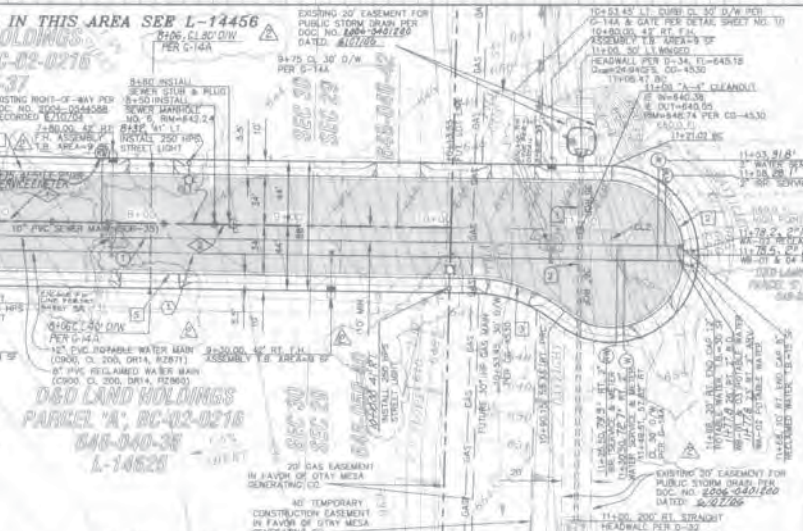
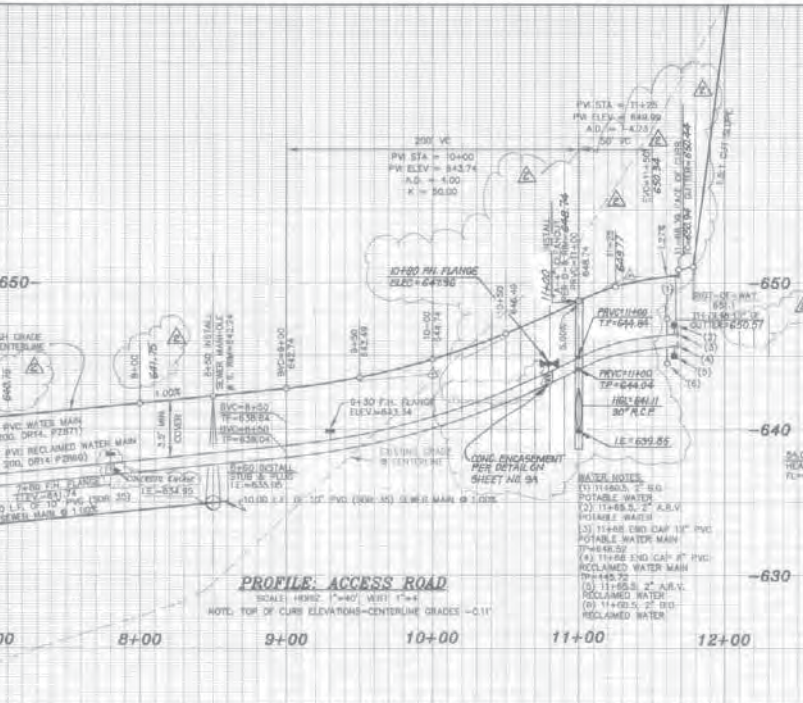
SEWER DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°10'00"W	—	250.00'	10" PVC (SDR-35)
2	N89°10'00"W	—	10.00'	10" PVC (SDR-35)



**PLAN: ACCESS ROAD**

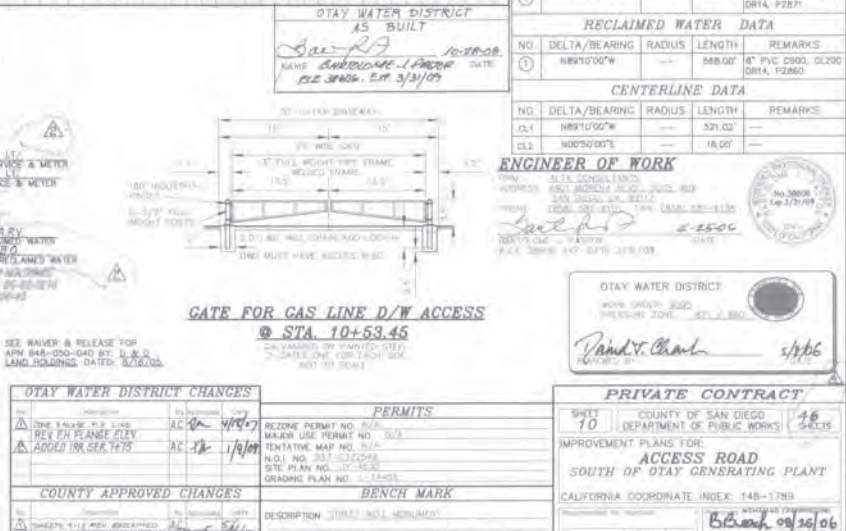
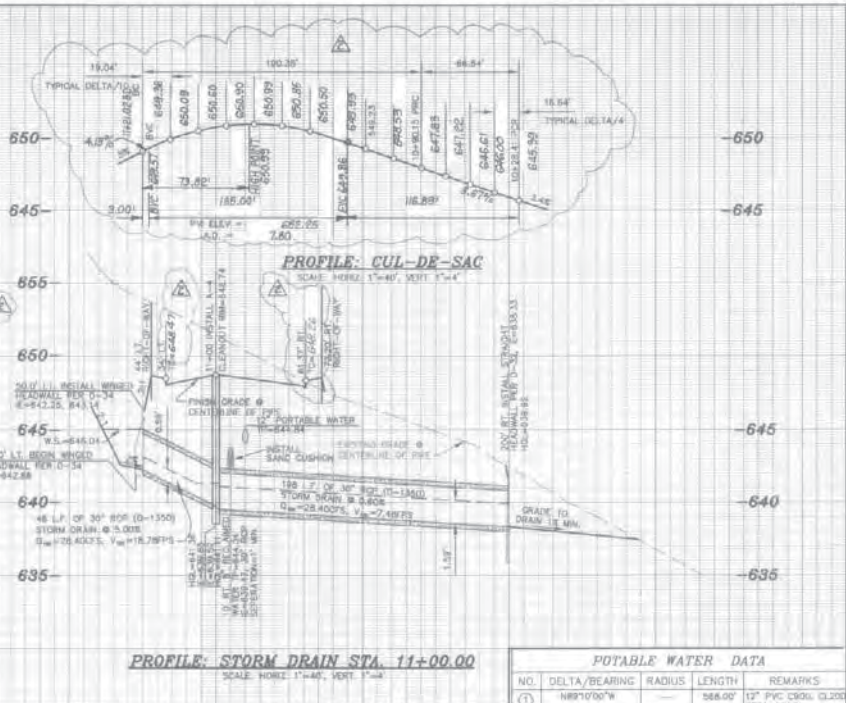
20' GAS EASEMENT IN FAVOR OF OTAY MESA OR NEIGHBORING CO.

40' TEMPORARY CONSTRUCTION EASEMENT IN FAVOR OF OTAY MESA OR NEIGHBORING CO.



**PROFILE: ACCESS ROAD**

NOTE: TOP OF CURB ELEVATIONS-CENTERLINE GRADES -0.11'



**PROFILE: STORM DRAIN STA. 11+00.00**

SCALE: HORIZ. 1"=40', VERT. 1"=4'

POTABLE WATER DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°10'00"W	—	568.00'	12" PVC CHOD. CL200 DRIA, 17287'

RECLAIMED WATER DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°10'00"W	—	568.00'	16" PVC CHOD. CL200 DRIA, 17286'

CENTERLINE DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N89°10'00"W	—	521.02'	—
2	N00°50'00"E	—	16.00'	—

**OTAY WATER DISTRICT**  
AS BUILT  
DATE: 10-20-08  
NAME: *Submittal - 1-Access*  
DATE: 02-28-09, 03-23-09

**GATE FOR GAS LINE D/W ACCESS**  
@ STA. 10+53.45

**OTAY WATER DISTRICT CHANGES**

NO.	DESCRIPTION	DATE
1	ONE CHANGE TO 2.00	AC 02/14/09
2	REVISION PER 2.00	AC 02/14/09
3	ADDED 100' SEE 7475	AC 02/14/09

**COUNTY APPROVED CHANGES**

NO.	DESCRIPTION	DATE
1	PROPERTY 4.11 PER 2.00	AC 02/14/09
2	ADDED 100' SEE 7475	AC 02/14/09
3	ADDED 100' SEE 7475	AC 02/14/09
4	ADDED 100' SEE 7475	AC 02/14/09
5	ADDED 100' SEE 7475	AC 02/14/09
6	ADDED 100' SEE 7475	AC 02/14/09
7	ADDED 100' SEE 7475	AC 02/14/09
8	ADDED 100' SEE 7475	AC 02/14/09
9	ADDED 100' SEE 7475	AC 02/14/09
10	ADDED 100' SEE 7475	AC 02/14/09
11	ADDED 100' SEE 7475	AC 02/14/09
12	ADDED 100' SEE 7475	AC 02/14/09
13	ADDED 100' SEE 7475	AC 02/14/09
14	ADDED 100' SEE 7475	AC 02/14/09
15	ADDED 100' SEE 7475	AC 02/14/09
16	ADDED 100' SEE 7475	AC 02/14/09
17	ADDED 100' SEE 7475	AC 02/14/09
18	ADDED 100' SEE 7475	AC 02/14/09
19	ADDED 100' SEE 7475	AC 02/14/09
20	ADDED 100' SEE 7475	AC 02/14/09

**PERMITS**

ZONE PERMIT NO. 000  
MAJOR USE PERMIT NO. 000  
TENTATIVE MAP NO. 000  
N.O.I. NO. 000  
SITE PLAN NO. 000  
GRADING PLAN NO. 000

**BENCH MARK**

DESCRIPTION: 2007.101 MONUMENT  
LOCATION: INTERSECTION OF OTAY MESA RD. & 34th ST.  
RECORD FROM: EQUUS OF SAN DIEGO  
ELEVATION: 672.34 DATUM: NGVD83

**PRIVATE CONTRACT**

SHEET 70 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 16 SHEETS  
IMPROVEMENT PLANS FOR:  
**ACCESS ROAD**  
SOUTH OF OTAY GENERATING PLANT  
CALIFORNIA COORDINATE INDEX: 148-1785  
PROJECT NO. 09-2458  
DATE: 09/26/06  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
DATE: 02/14/09

**ENGINEER OF WORK**

DATE: 02/14/09  
PROJECT NO. 09-2458  
SHEET NO. 70 OF 16

**OTAY WATER DISTRICT**  
WORK ORDER: 2458  
IMPROVEMENT ZONE: 2458  
DATE: 02/14/09

*David T. Chant* 2/14/09

**ALTA CONSULTANTS**  
PLANNING ENGINEERING SURVEYING  
1000 Camino del Rio South, Suite 200, San Diego, CA 92108  
TEL: 619-594-1100 FAX: 619-594-1101  
WWW.ALTA.COM SALES@ALTA.COM

ENGINEER'S NAME: BARTOLOME J. PASTOR  
PHONE NO: (619) 591-6101

FILE NO: PC-2458  
OWD W.O. 5595  
PLF-03-032