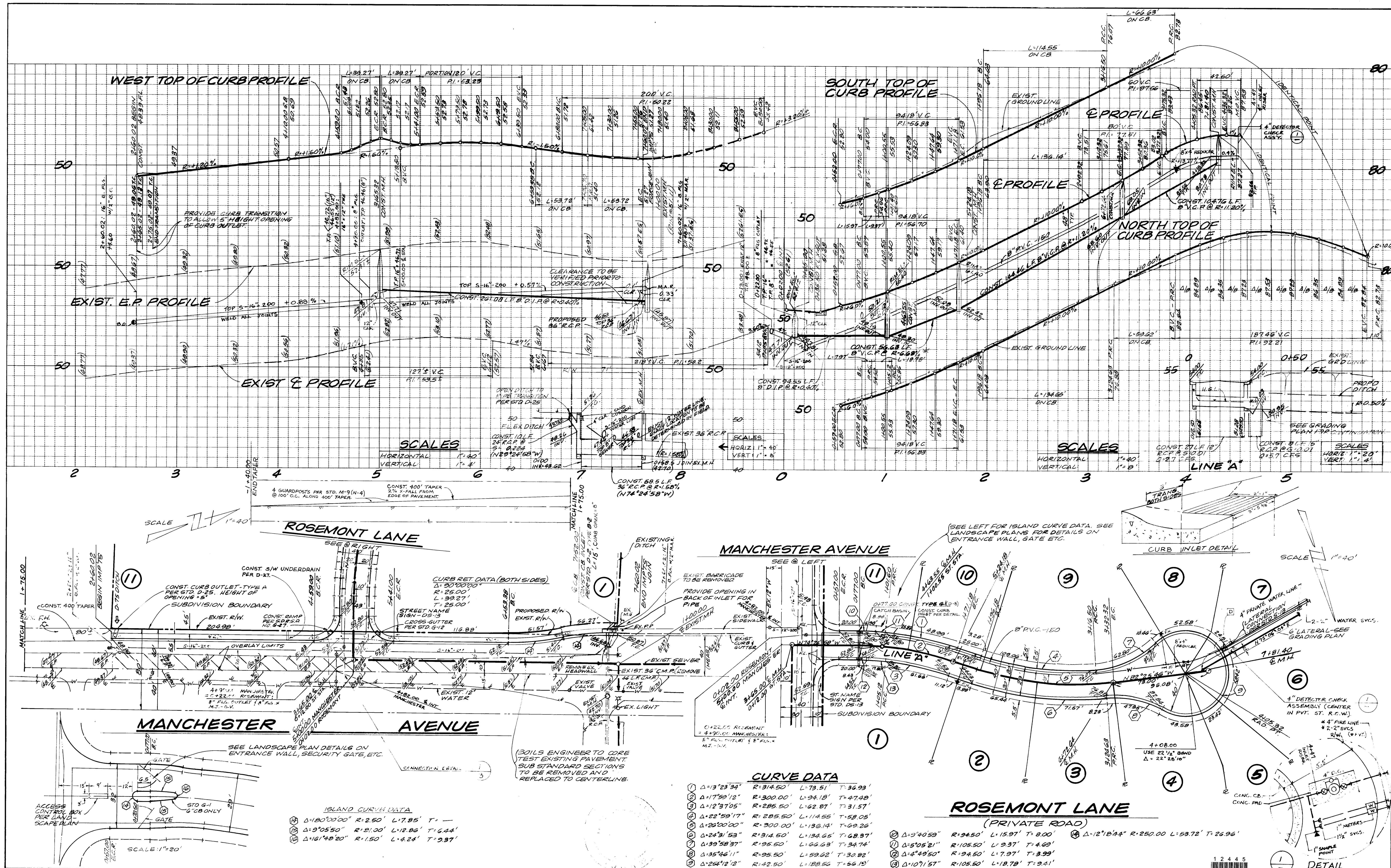
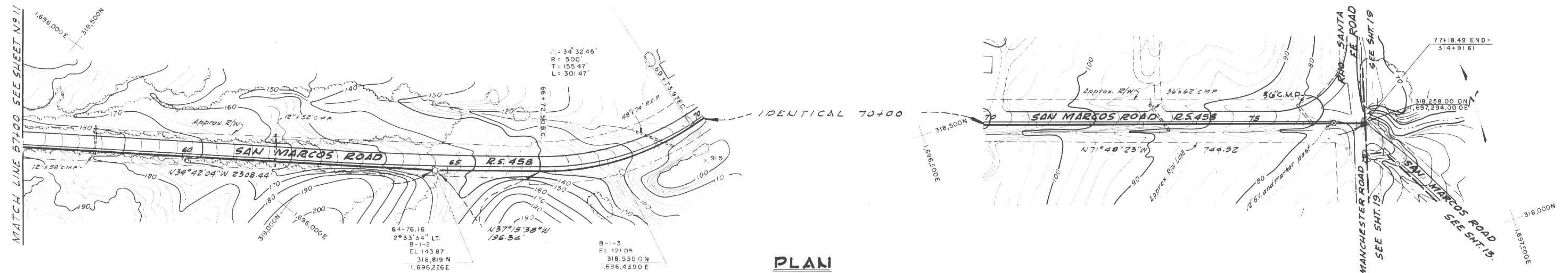
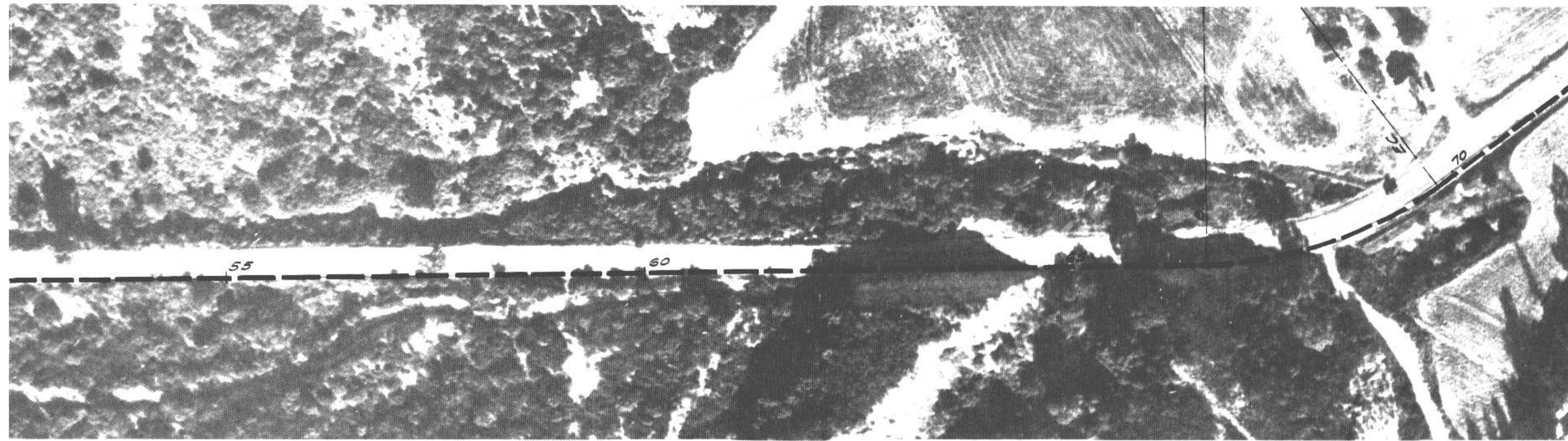


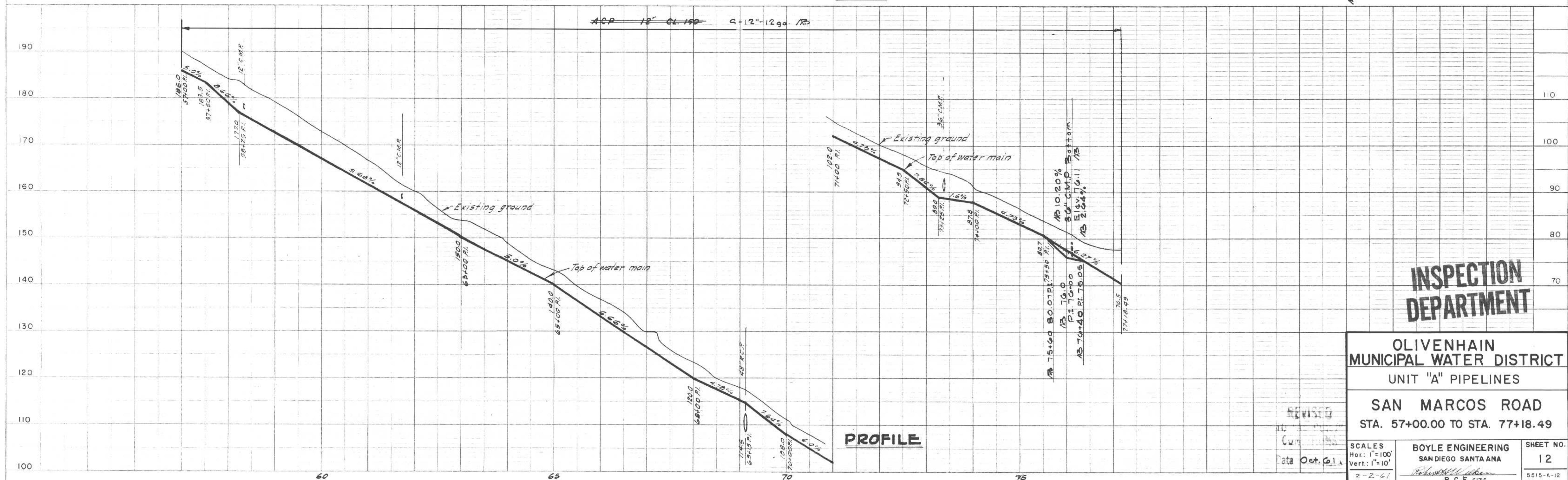
REFERENCE DRAWINGS

1	DWG 0091-R	ENCINITAS TRACT 88-231
2	DWG 5515-A	RHO SANTA FE RD & MANCHESTER AVE UNIT "A" PIPELINES
3	DWG 7422-1	MANCHESTER AVE TPM 00-191
4	PM 4406	WATER LINE SYSTEM RANCHO PROFESSIONAL PLAZA (MAIN EXT #96)
5	C001-195-50	MANCHESTER AVE MAIN REPLACEMENT
6	DWG 414-G	SWC OF ENCINITAS BLVD & MANCHESTER AVE
7	DWG 7389-G	BADGER SITE
8	SHEET 1	WATER LINE EXTENSION #44
9	L8656	WATER LINE EXTENSION #73
10	SHEET 1	WATER LINE EXTENSION #79
11	SHEET 1	WATER LINE EXTENSION #98
12	SHEET 1	WATER LINE EXTENSION #138
13	SHEET 1	LINE EXTENSION #2 (DENK)





PLAN



PROFILE

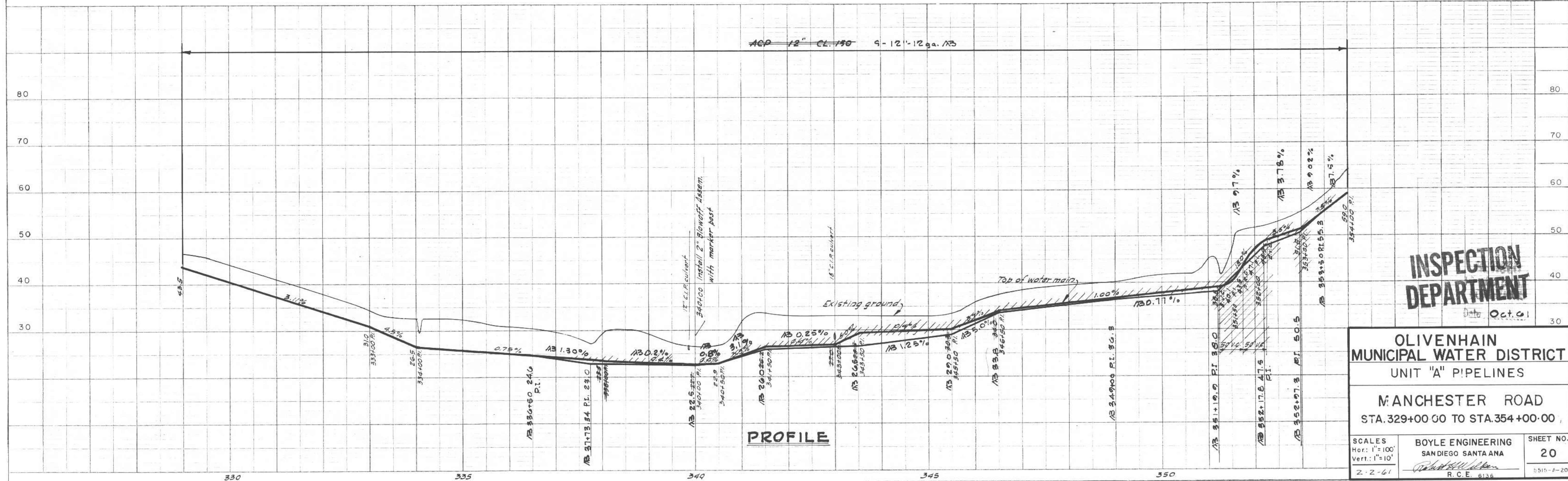
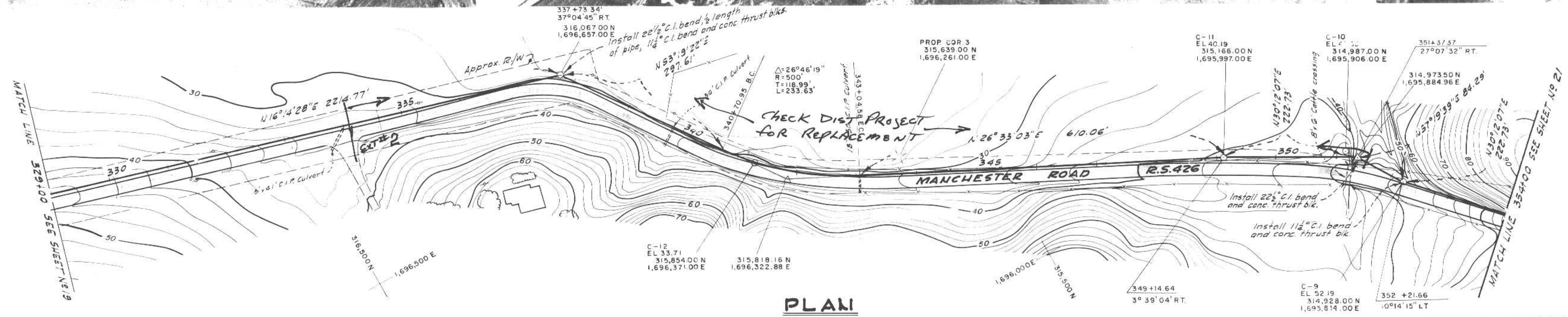
**INSPECTION
DEPARTMENT**

**OLIVENHAIN
MUNICIPAL WATER DISTRICT
UNIT "A" PIPELINES**

**SAN MARCOS ROAD
STA. 57+00.00 TO STA. 77+18.49**

SCALES Hor.: 1"=100' Vert.: 1"=10' 2-2-61	BOYLE ENGINEERING SAN DIEGO SANTA ANA R. C. E. 6136	SHEET NO. 12 5515-A-12
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**INSPECTION
DEPARTMENT**

Oct. 61

<p align="center">OLIVENHAIN MUNICIPAL WATER DISTRICT</p> <hr/> <p align="center">UNIT "A" PIPELINES</p>

MANCHESTER ROAD
TA.329+00.00 TO STA.354+00.00

SCALES
Hor.: 1" = 100'
Vert.: 1" = 10'

2-2-61

BOYLE ENGINEERING
SAN DIEGO SANTA ANA
Robert H. Wilson
R. C. E. 6136

SHEET NO.
20
5515-A-20

1 0 5 4 8

11

5-1

IMPROVEMENT PLANS FOR MANCHESTER AVENUE

OWNER'S CERTIFICATE

I (WE) HEREBY CERTIFY THAT A REGISTERED SOILS ENGINEER OR GEOLOGIST HAS BEEN OR WILL BE RETAINED TO SUPERVISE OVER ALL GRADING ACTIVITY AND ADVISE ON THE COMPACTION AND STABILITY OF THE SITE.

Harley L. Denk, Trustee 1-24-03
HARLEY L. DENK, TRUSTEE DATE

Harley L. Denk, Trustee 1-24-03
HARLEY L. DENK, TRUSTEE DATE

NAME: HARLEY L. DENK, TRUSTEE OF THE MARITAL TRUST OF THE HARLEY DENK AND ROSE DENK FAMILY TRUST DATED JUL 12, 1990, AN UNDIVIDED 20% INTEREST AND HARLEY L. DENK, TRUSTEE OF THE RESIDUARY TRUST OF HARLEY DENK AND ROSE DENK FAMILY TRUST DATED JULY 12, 1990 AN UNDIVIDED 20% INTEREST AND HARLEY L. DENK, TRUSTEE OF THE RESIDUARY TRUST OF THE HARLEY DENK AND ROSE DENK FAMILY TRUST DATED JULY 12, 1990, AN UNDIVIDED 80% INTEREST.

ADDRESS: 4329 MANCHESTER AVENUE, ENCINITAS, CA 92024
PHONE: (760) 753-3708

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 ENGINEERING 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 CITY RIGHT-OF-WAY WITHIN 60 DAYS AFTER THE ISSUANCE OF THE CONSTRUCTION PERMIT AND TO PURSUE SUCH WORK ACTIVELY ON EVERY NORMAL WORKING DAY UNTIL COMPLETED, IRRESPECTIVE AND INDEPENDENT OF ANY OTHER WORK ASSOCIATED WITH THIS PROJECT OR UNDER MY CONTROL.

Harley L. Denk, Trustee 1-24-03
HARLEY L. DENK, TRUSTEE DATE

Harley L. Denk, Trustee 1-24-03
HARLEY L. DENK, TRUSTEE DATE

NAME: HARLEY L. DENK, TRUSTEE OF THE MARITAL TRUST OF THE HARLEY DENK AND ROSE DENK FAMILY TRUST DATED JUL 12, 1990, AN UNDIVIDED 20% INTEREST AND HARLEY L. DENK, TRUSTEE OF THE RESIDUARY TRUST OF HARLEY DENK AND ROSE DENK FAMILY TRUST DATED JULY 12, 1990 AN UNDIVIDED 20% INTEREST AND HARLEY L. DENK, TRUSTEE OF THE RESIDUARY TRUST OF THE HARLEY DENK AND ROSE DENK FAMILY TRUST DATED JULY 12, 1990, AN UNDIVIDED 80% INTEREST.

ADDRESS: 4329 MANCHESTER AVENUE, ENCINITAS, CA 92024
PHONE: (760) 753-3708

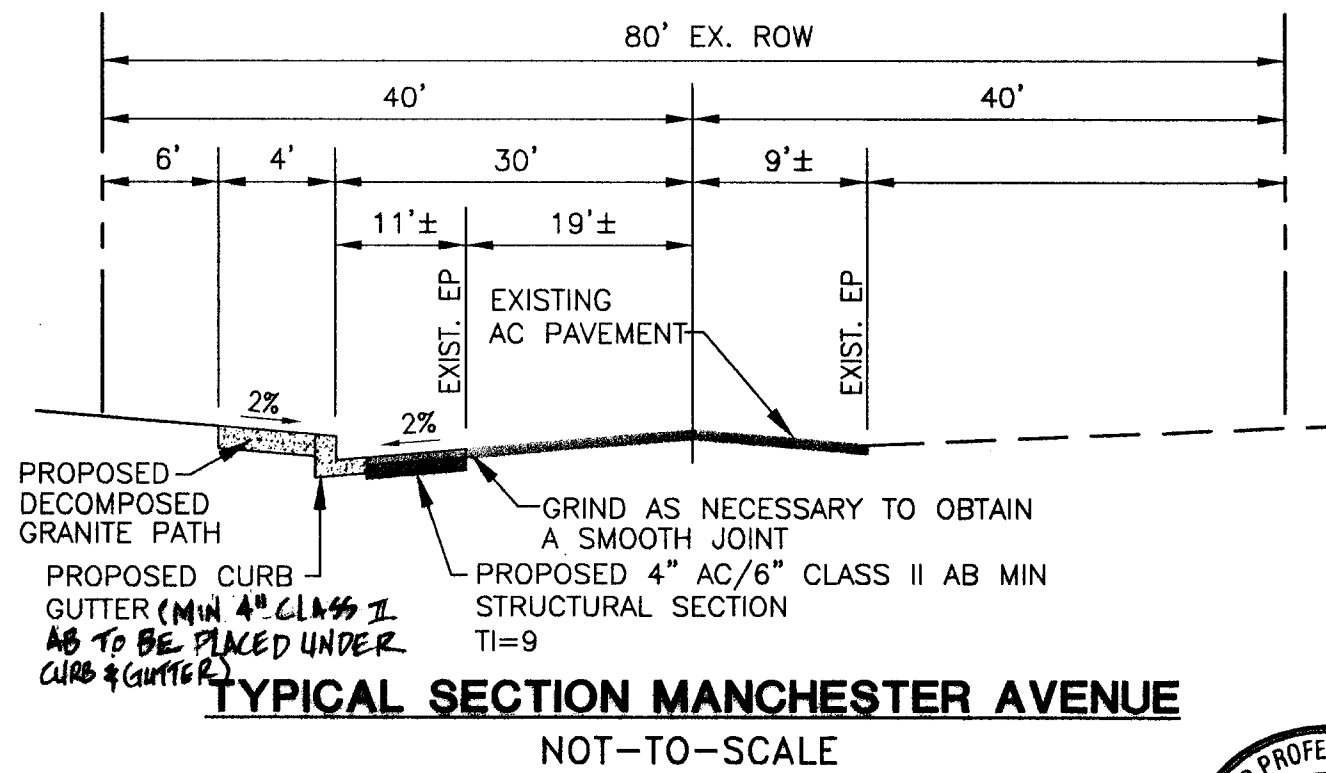
LEGAL DESCRIPTION

PARCEL MAP OF THE SOUTHERLY 260.00 FEET OF LOT OR BLOCK 6, AND THE SOUTHERLY 260.00 FEET OF THE EASTERLY 150.00 FEET OF THE LOT OR BLOCK 96 IN THE COLONY OF OLIVENHAIN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 326, FILED IN THE OFFICE OF THE COUNTY OF RECORDER OF SAN DIEGO COUNTY, JULY 8, 1885.

GENERAL NOTES

- A PERMIT SHALL BE OBTAINED FROM THE CITY OF ENCINITAS ENGINEERING SERVICES DEPARTMENT FOR ANY WORK WITHIN THE STREET RIGHT-OF-WAY.
- THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH CITY OF ENCINITAS STANDARDS AND AS APPROVED BY THE CITY ENGINEER. A "R" VALUE TEST SHALL BE REQUIRED PRIOR TO CONSTRUCTION.
- 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, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, CROSS GUTTER 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 THE EXISTING FACILITIES SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

- LOCATION & 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 ELECTRIC AND GAS SERVICES WITHIN THIS PROJECT BOUNDARY ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF ELECTRICAL CABLES AND GAS PIPING AND APPURTENANCES, TELEPHONE: 1-800-422-4133 (DIG ALERT.)
- THE CONTRACTOR SHALL NOTIFY THE PACIFIC 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 TELEPHONE: 1-800-422-4133 (DIG ALERT.)
- 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 TELEVISIONS SERVICES WITHIN THIS PROJECT ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF CABLES AND APPURTENANCES CONTACT: TELEPHONE 1-800-422-4133 (DIG ALERT.)
- POWER SOURCES AND RUNS SERVING STREET LIGHTS SHALL BE SHOWN ON THE "AS-BUILT" IMPROVEMENT DRAWINGS. ALL SOURCES SHALL BE LOCATED WITHIN THE DEDICATED RIGHT-OF-WAY OR WITHIN EASEMENTS DEDICATED TO THE CITY OF ENCINITAS.
- NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED.
- THE CONTRACTOR SHALL NOTIFY AND OBTAIN APPROVAL OF THE CITY ENGINEER PRIOR TO MAKING CHANGES IN THE FIELD.
- ALL LUMINAIRES SHALL PROVIDE TRUE 90 DEGREES CUTOFF, AND ALLOW NO ESCAPE OF LIGHT ABOVE HORIZONTAL.
- CONTRACTOR SHALL REQUEST FROM THE CITY ENGINEER'S OFFICE A PRECONSTRUCTION MEETING AND SHALL PROVIDE AT LEAST 48 HOURS OF NOTICE FOR SUCH A MEETING. (633-2770)
- THE DEVELOPER SHALL BE RESPONSIBLE THAT ANY MONUMENT OR BENCH MARK WHICH IS DISTURBED OR DESTROYED SHALL BE RE-ESTABLISHED AND REPLACED BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR
- THE DEVELOPER SHALL MARK THE LOCATION OF EACH SEWER LATERAL AND WATER SERVICE BY CHISELING THE LETTERS "S" AND "W", RESPECTIVELY, 2 INCHES HIGH INTO THE FACE OF THE CURB.
- THE ADDRESS OF EACH LOT SHALL BE PAINTED ON THE CURB IN A MANNER AND LOCATION APPROVED BY THE INSPECTOR.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR THE PUBLIC WORKS CONSTRUCTION (LATEST EDITION). THE SAN DIEGO STANDARD SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (ADOPTED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE), AND THE SAN DIEGO REGIONAL STANDARD DRAWINGS (LATEST EDITION)
- ALL CUT AND FILL SLOPES OVER 3 FEET CREATED BY GRADING FOR STREETS AND DRIVEWAYS SHALL BE HYDRO SEEDING WITH CITY OF ENCINITAS APPROVED HYDROSEED MIXTURE. HYDRO SEEDING SLOPED SHALL BE IRRIGATED BY WATER TRUCK UNTIL THE MIXTURE GERMINATES AND GROWTH IS ESTABLISHED.
- CONCENTRATED FLOWS ACROSS DRIVEWAYS AND/OR SIDEWALKS SHALL NOT BE PERMITTED. DRAINAGE SHALL BE TRANSMITTED UNDER SIDEWALK, THROUGH FACE OF CURB, TO GUTTER IN PUBLIC STREET.



SOILS ENGINEER'S CERTIFICATE

I, MARK D. HETHERINGTON, A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOILS MECHANICS, HEREBY CERTIFY THAT A SAMPLING AND STUDY OF THE SOIL CONDITIONS PREVALENT WITHIN THIS SITE WAS MADE BY ME OR UNDER MY DIRECTION BETWEEN THE DATES 6/13/01 AND 7/18/01. ONE COMPLETE COPY OF THE SOILS REPORT COMPILED FROM THIS STUDY, WITH MY RECOMMENDATIONS, HAS BEEN SUBMITTED TO THE OFFICE OF THE CITY ENGINEER. FURTHERMORE, I HAVE REVIEWED THESE GRADING PLANS AND CERTIFY THAT THE RECOMMENDATIONS INCLUDED IN THE SOILS REPORT FOR THIS PROJECT HAVE BEEN INCORPORATED IN THE GRADING PLANS AND SPECIFICATIONS.

SIGNED: *[Signature]*
RCE No.: 30288 EXP DATE: 3/31/02

HETHERINGTON ENGINEERING, INC
5205 AVENIDA ENCINAS, SUITE A
CARLSBAD, CA 92008-4369
(760) 931-1917
PROJECT NO. 3920.1
ORIGINAL REPORT DATED: 07-18-01
SUPPLEMENTAL REPORT DATED: 12-9-02

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 CITY OF ENCINITAS IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

SAN DIEGUITO ENGINEERING, INC.
4407 MANCHESTER AVENUE, SUITE 105
ENCINITAS, CALIFORNIA 92024
PHONE: (760)753-5525

[Signature]
BARRY L. MUNSON RCE 40980

10-24-02
DATE

OLIVENHAIN MUNICIPAL WATER DISTRICT			
APPROVED CHANGES			
NO.	DESCRIPTION	APPROVED BY	DATE
1	AS BUILT	<i>[Signature]</i>	4.8.05

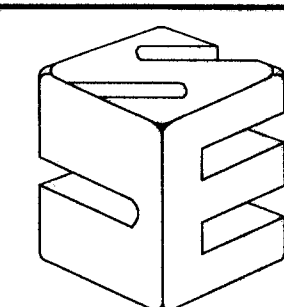
•REFER TO SHEET 2 OF 4 FOR SEWER NOTES



OLIVENHAIN MUNICIPAL WATER DISTRICT		
WATER WORKS APPROVAL (O.M.W.D. W.O.#)		
<i>[Signature]</i>		
R.C.E. 40980	DATE 2.18.03	
NOTE: SIGNATURE EXPIRES 2 YEARS AFTER DATE.		

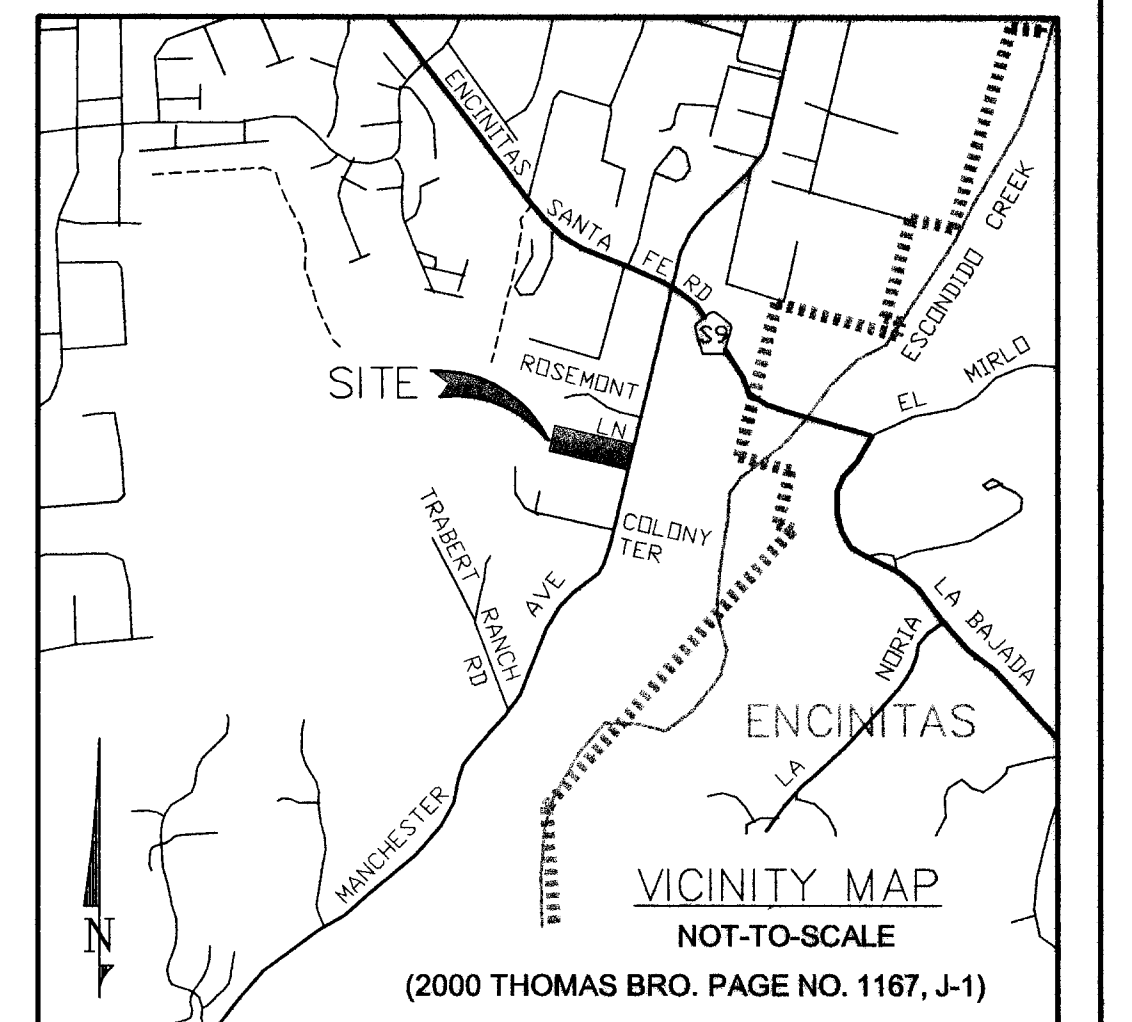
"AS BUILT"	
BY: <i>[Signature]</i>	DATE 3-17-05
RCE: 40980	EXP: 3-31-07

Underground Service Alert
Call: TOLL FREE 1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG



SAN DIEGUITO ENGINEERING, INC.	
4407 MANCHESTER, SUITE 105 ENCINITAS, CA 92024 PHONE: (760) 753-5525	
CIVIL ENGINEERING • PLANNING LAND SURVEYING	

REVISIONS	APPROVED	DATE	REFERENCES	DATE	BENCH MARK	SCALE	ENCINITAS FIRE DEPARTMENT	DESIGNED BY	CHECKED BY	APPROVALS	CITY OF ENCINITAS	PUBLIC WORKS DEPARTMENT	DRAWING NO.
					DESCRIPTION: STREET CENTERLINE MONUMENT AT STATION 166+03.99 ON ROADSURVEY #418 ENCINITAS BOULEVARD	HORIZONTAL N/A		<i>[Signature]</i>		RECOMMENDED APPROVED	IMPROVEMENT PLANS FOR:		
					DATUM: USGS	VERTICAL N/A		BARRY L. MUNSON		DATE: 10-24-02	MANCHESTER AVENUE - TPM 00-191		7422-1
					ELEV: 83.52 FEET					DATE: 3/19/03	WORK PROJECT NO. 4649		CS-490
										DATE: 3/21/03	APN: 259-192-14		SHEET 1 OF 4



INDEX	SHEET
NOTES	1
PLAN AND PROFILE	2
SEWER PLAN	3
EROSION CONTROL	4

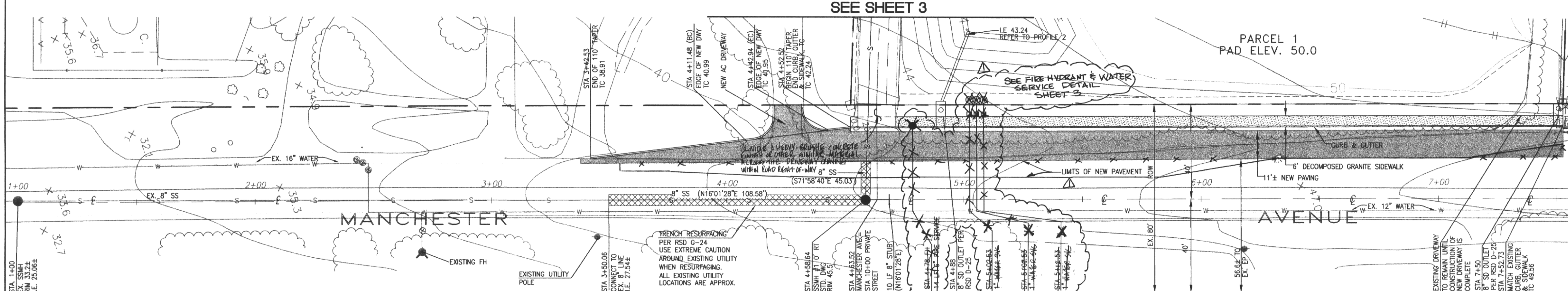
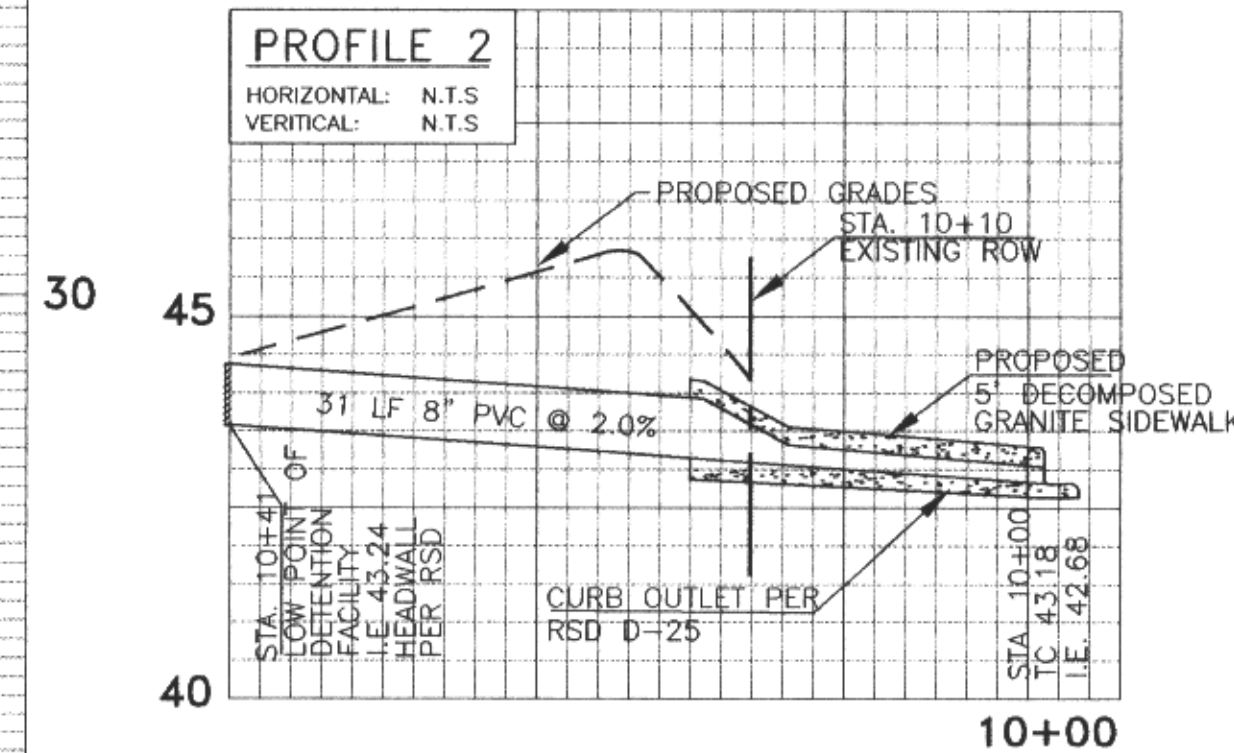
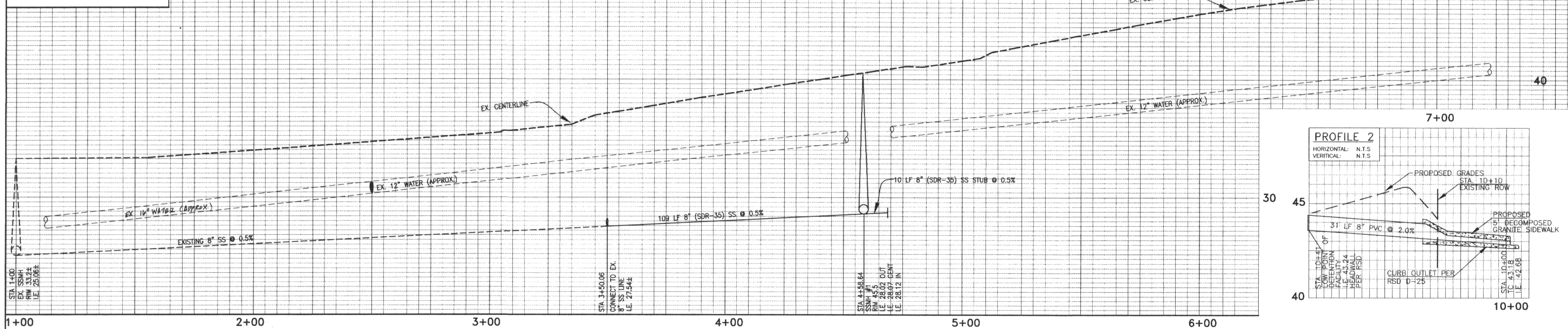
WORK TO BE DONE

IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, THE CURRENT SAN DIEGO COUNTY REGIONAL STANDARD DRAWINGS, THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SPECIAL PROVISIONS FOR IMPROVEMENT OF PUBLIC STREETS.

IMPROVEMENTS	STD. DWGS.	SYMBOLS
PROPERTY LINE		---
CENTERLINE		---
EXISTING CONTOURS		58
PROPOSED CONTOURS		60
AC STRUCTURAL SECTION		
6" TYPE G CURB & GUTTER	G-4	
EXISTING SEWER LINE		S
EXISTING WATER LINE		W
EXISTING GAS LINE		G
FILL SLOPE (2:1 MAX)		
CUT SLOPE (2:1 MAX)		
CUT/FILL LINE		
DAYLIGHT LINE		
EARTH SWALE (GRASS LINED)		
STREET NAME SIGN		
NO-PARKING "FIRE LANE" SIGN		
GRAVEL BAGS		
HYDROSEED		
WATER LINE		
WATER METER	OMWD-	
FIRE HYDRANT	OMWD-	
SEWER LINE (8" PVC SDR-35)		
SEWER MANHOLE	S-17	
TRENCH RESURFACING	G-24	
4" SEWER LATERAL		

PROFILE 1

SCALE: HORIZ. 1"=20'
VERT. 1"=8'



SEWER NOTES:

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, (LATEST EDITION) THE SAN DIEGO STANDARD SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, (ADOPTED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE) AND THE SAN DIEGO REGIONAL STANDARD DRAWINGS (LATEST EDITION) AND THE FOLLOWING SPECIAL PROVISIONS.

1. TRENCH WIDTH SHALL BE PER SDRSD NO. S-4 UNLESS OTHERWISE SHOWN.
PIPE AND BEDDING CONDITIONS:

(A) ALL PIPE SHALL HAVE 4\"

(B) V.C.P. AND A.B.S. TRUSS PIPE BEDDING FROM BOTTOM OF PIPE TO (12) INCHES MINIMUM ABOVE THE PIPE SHALL BE SAND, GRAVEL, CRUSHED AGGREGATE, OR NATIVE FREE-DRAINING GRANULAR MATERIAL HAVING A SAND EQUIVALENT OF 30 OR BETTER.

(C) P.V.C. AND A.B.S. SOLID WALL PIPE BEDDING FROM BOTTOM OF PIPE TO (12) INCHES MINIMUM ABOVE THE PIPE SHALL BE 3/4\"

2. AFTER COMPLETION OF PIPE LAYING, ALL MAIN LINE SEWERS, SERVICE LATERALS AND STRUCTURES SHALL BE TESTED IN THE PRESENCE OF THE INSPECTOR. AIR PRESURE TEST SHALL BE USED UNLESS OTHERWISE DIRECTED BY INSPECTOR.

3. THE CONSTRUCTION OF P.C.C. SEWER MANHOLES SHALL BE PER SDRSD NO. S-17. POURED IN PLACE MANHOLE BASES SHALL BE A MONOLITHIC POUR FINISHED COMPLETE AT TIME OF POUR. PRECAST MANHOLE BASES ARE ACCEPTABLE FOR USE WITH 8 INCH COLLECTOR SYSTEMS WITH INSPECTOR'S APPROVAL.

4. THE CONSTRUCTION OF 4-INCH SEWER LATERAL PER SDRSD NO'S S-13 AND S-14. LATERALS SHALL NOT DISCHARGE DIRECTLY INTO A MANHOLE.

5. THE CONSTRUCTION OF CONCRETE ANCHOR WALLS PER SDRSD NO. S-10 TYPE "A".

6. ALL MAINS AND LATERALS SHALL BE CONSTRUCTED WITH 42 INCH MINIMUM COVER.

7. THE FINAL LOCATION AND ELEVATION OF SEWER AND WATER MAINS AND LATERALS SHALL BE SHOWN ON ORIGINAL AS-BUILT PLANS, PRIOR TO ACCEPTANCE OF THE WORK.

8. ALL DESIGN CHANGES OF SEWER MAINS SHALL BE APPROVED BY THE DISTRICT ENGINEER IN WRITING PRIOR TO THE ACCEPTANCE FOR PUBLIC USE.

9. FILL AREAS MUST BE COMPACTED TO 90% PRIOR TO PIPE INSTALLATION.

10. THE CONTRACTOR SHALL NOTIFY THE DISTRICT'S FIELD OPERATIONS DIVISION 48 HOURS IN ADVANCE OF BEGINNING WORK TO ARRANGE FOR INSPECTION OF PROJECT. PHONE NO. (760) 633-2770.

11. THE CONTRACTOR SHALL AND HEREBY DOES GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR AFTER THE DATE OF ACCEPTANCE OF THE WORK BY THE OWNER AND SHALL REPAIR OR REPLACE ANY OR ALL SUCH WORK, TOGETHER WITH ANY OTHER WORK WHICH MAY BE DISPLACED IN SO DOING, THAT MAY PROVE DEFECTIVE IN WORKMANSHIP AND/OR MATERIALS WITHIN THE ONE YEAR PERIOD FROM THE DATE OF ACCEPTANCE WITHOUT EXPENSE WHATSOEVER TO THE OWNER, EXCEPTING ORDINARY WEAR AND TEAR, UNUSUAL ABUSE OR NEGLIGENCE.

12. WASTEWATER DISCHARGE PERMITS AND PLUMBING PERMITS ARE REQUIRED PRIOR TO CONNECTION TO SYSTEM.

13. CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY ENGINEERING SERVICES DEPARTMENT FOR ANY EXCAVATION WITHIN EXISTING CITY RIGHTS-OF-WAY.

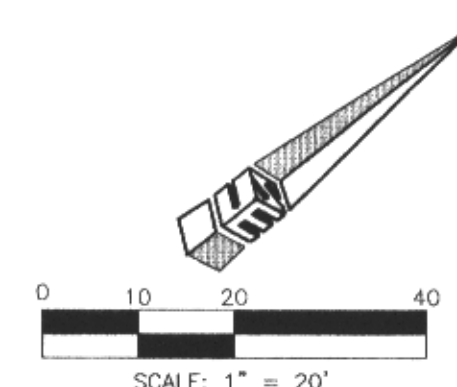
14. CONTRACTOR SHALL FURNISH AND INSTALL, PER SPECIFICATIONS, THE APPROPRIATE BURIED UTILITY WARNING AND IDENTIFICATION TAPE ABOVE ALL PUBLIC SEWER LINES, AND PORTIONS OF SEWER LATERALS LOCATED WITHIN PUBLIC RIGHT-OF-WAY OR EASEMENTS.

15. THE DEVELOPER MAY BE REQUIRED TO GRADE AN ACCESS ROAD TO MAINTAIN ANY PUBLIC SEWERS CONSTRUCTED WITHIN EASEMENTS AND MAY BE REQUIRED TO DEDICATE ADDITIONAL ACCESS EASEMENTS TO MAINTAIN THE PUBLIC SEWERS.

17. NEW SEWER MAINS LESS THAN 36 INCHES IN DIAMETER SHALL BE INSPECTED BY CLOSED CIRCUIT TELEVISION AFTER COMPLETION OF TRENCHING BACKFILL AND FINISHED GRADING BUT PRIOR TO PLACEMENT OF PAVEMENT OR PERMANENT TRENCH RESURFACING. CONTRACTOR SHALL PROVIDE FOR TELEVISION INSPECTION. (SEC. 306-1.4.8).

18. CONTRACTOR MUST CALL "DIG ALERT OF SOUTHERN CALIFORNIA" TO HAVE UNDERGROUND SERVICE UTILITIES LOCATED PRIOR TO CONSTRUCTION. THIS CALL WILL BE MADE AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION. 1-800-422-4133.

19. AT ALL MANHOLES, THE MINIMUM FALL ACROSS MANHOLE SHALL BE 0.1 FT. AT ANGLES LARGER THAN 45°, ALLOW 0.2 FT FALL.



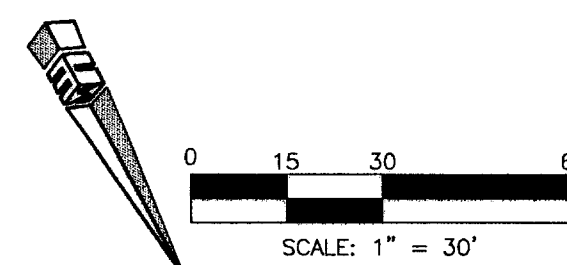
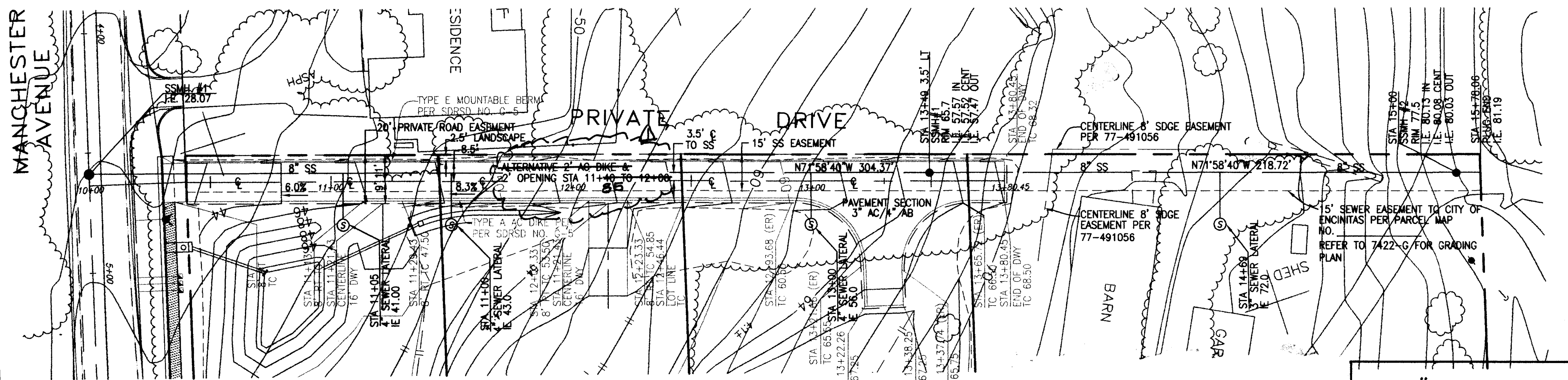
"AS BUILT"	
BY: <i>[Signature]</i>	DATE: 3-17-05
RCE: 40980	EXP: 3-31-07

Underground Service Alert	Call: TOLL FREE
	1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG	

SAN DIEGUITO ENGINEERING, INC	
4407 MANCHESTER, SUITE 105 ENCINITAS, CA 92024 PHONE: (760) 753-5525	
CIVIL ENGINEERING • PLANNING LAND SURVEYING	

REVISIONS	APPROVED	DATE	REFERENCES	DATE	BENCH MARK	SCALE	ENCINITAS FIRE DEPARTMENT	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVALS	CITY OF ENCINITAS PUBLIC WORKS DEPARTMENT	DRAWING NO.
1. REVISE FH AND VLS TO AND LIMITS OF NEW PAVT.					DESCRIPTION: STREET CENTERLINE MONUMENT AT STATION 166+03.99 ON ROADSURVEY #418 ENCINITAS BOULEVARD	HORIZONTAL 20 VERTICAL 8		PLANS PREPARED UNDER THE SUPERVISION OF DATE: 2-11-03 R.C.E. NO. : 40980 EXP. 03-31-03	BARRY L. MUNSON		RECOMMENDED DATE: 3/19/03 APPROVED DATE: 3/21/03	IMPROVEMENT PLANS FOR: MANCHESTER AVENUE - TPM 00-191 WORK PROJECT NO. 4649 APN: 259-192-14	7422-1 CS-490 SHEET 2 OF 4

SCALE: HORIZ. 1"=30'
VERT. 1"=8'



"AS BUILT"

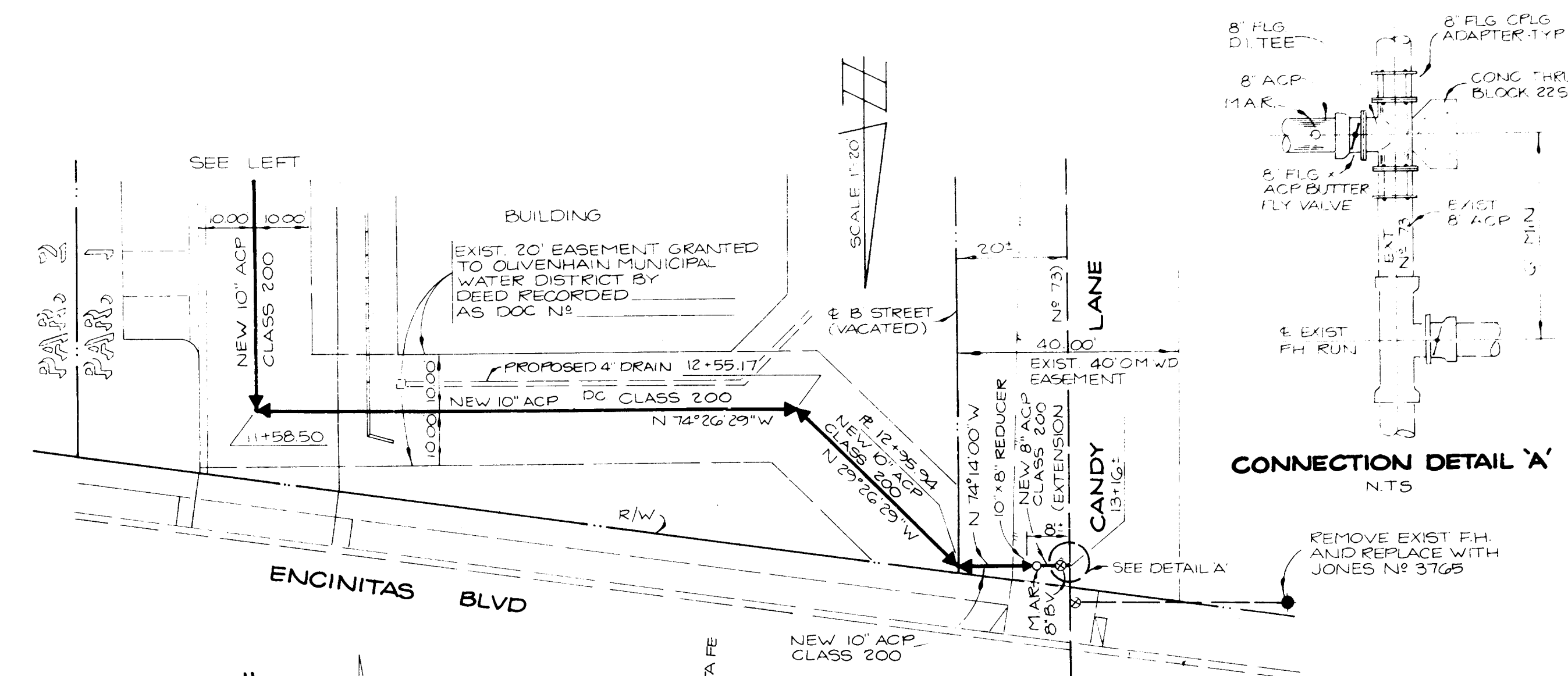
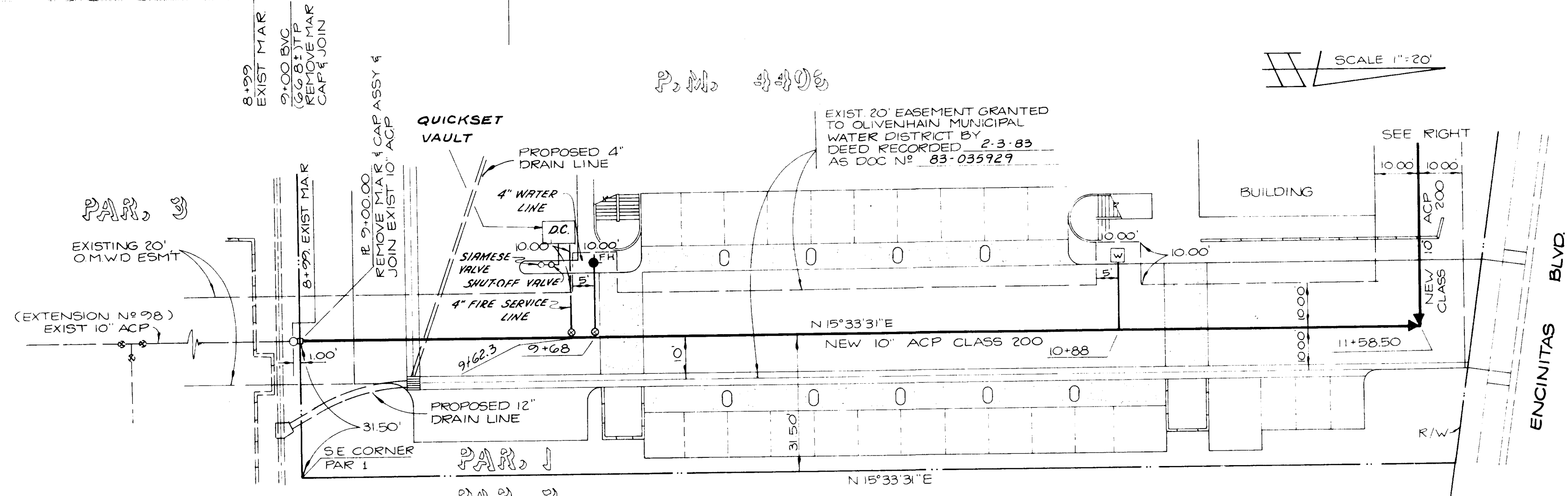
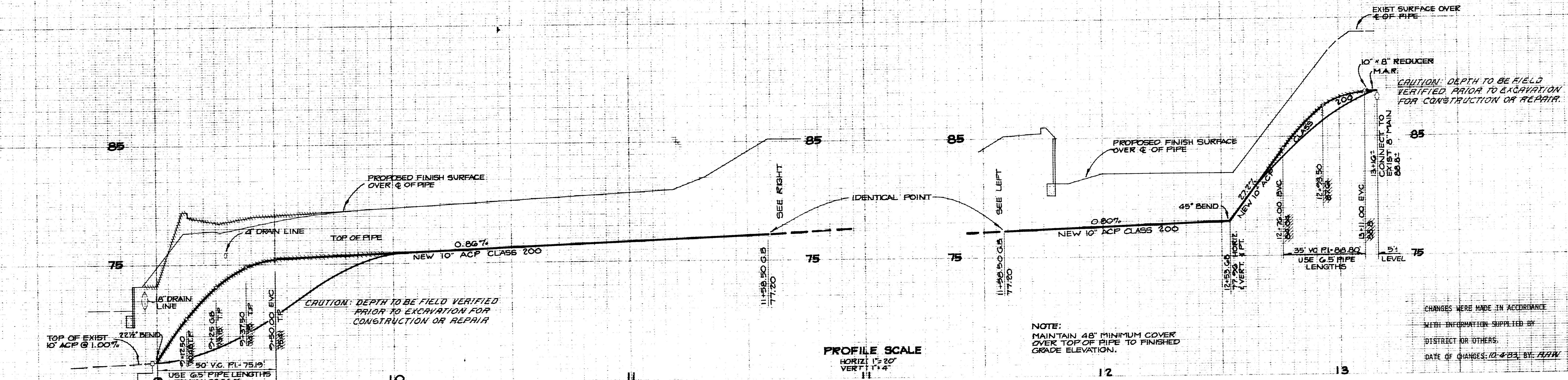
BY: [Signature] 3-17-05
DATE

RCE: 40380 EXP: 3-31-07

PHONE NO. (760) 753-5525

neering\4649\PLAN\4649IMPR\4649-I-sht3.dwg, Date: 10-23-02

FILE NO. SDE 4649



GENERAL NOTES

- Water works shall be constructed in accordance with the Standards of the Olivenhain Municipal Water District. Contractor shall have a copy of the standard specifications on the job site at all times.
- Where elevations and grades are not shown on the water main profile, top of pipe profile is 48 inches below center line finish grade of street.
- Install a minimum 1-inch water service to each lot. Meter to be located 5 feet from a side lot line. A 3/4" high letter-W shall be chiseled in top of existing curb or imprinted in new curb at all water service crossings.
- Manual air releases shall be installed at all high points in the water main profile.
- Unless otherwise noted, connections to existing mains shall be made wet. The time and duration of any shut downs of existing mains shall be made subject to approval by the District.
- A.C. by A.C. on line valves where required at street intersections shall be located on the prolongation of the street right of way whenever possible.
- Install fire hydrants at locations required by Fire District.
- Contractors shall acquire a trenching permit from the California Division of Industrial Safety for all trench work where facilities are to be constructed for or to be turned over to the Olivenhain Municipal Water District. Copy of permit shall be submitted to the District prior to start of work.
- Revised Standard Specification for Sterilization, Section C-1 to read as follows: "... a chlorine concentration of approximately 50 ppm or that which will provide a minimum residual of 25 ppm in all parts of the line after 24 hours have elapsed."

STD. DWG. N°

14	SUPP DWG N° 8
16A, 17	
10	
4	

WORK TO BE DONE

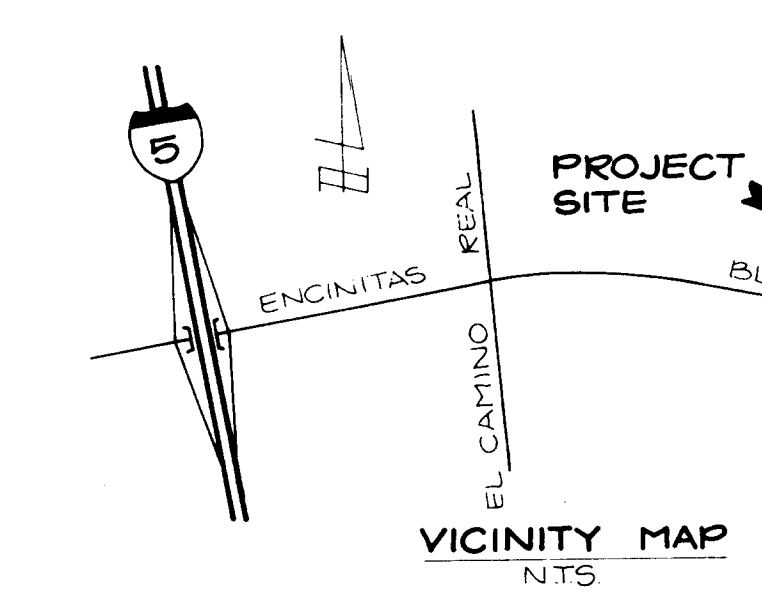
DESCRIPTION	QUANTITIES
CONST. 10" ACP CLASS 200	405 L.F.
CONST. FIRE HYDRANT ASSY. (JONES 3765)	2 EA.
CONST. 4" FIRE SERVICE ASSY. (SUBSTITUTE DOUBLE CHECK VALVE WITH 4" VIKING #03224 DETECTOR CHECK & BYPASS LINE)	1 EA.
CONST. BUTTERFLY VALVE ASSY.	1 EA.
CONST. 1" WATER SERVICE ASSY.	1 EA.
CONST. 10" x 8" REDUCER	1 EA.
CONST. 8" ACP CLASS 200	10 L.F.
CONST. MANUAL AIR RELEASE ASSEMBLY	1 EA.

LEGEND

10" ACP CLASS 200	
FH	
DC	
8" BV	
10" x 8" R	
8" ACP CLASS 200	
M.A.R.	

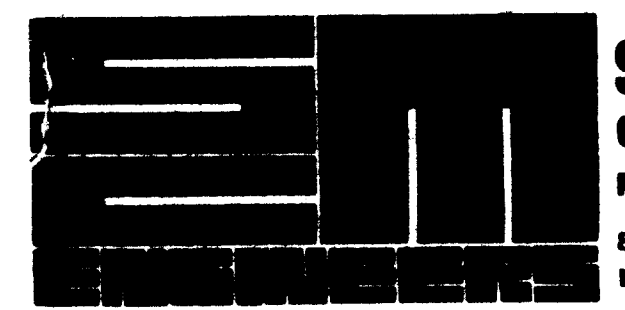
QUANTITIES

10" ACP CLASS 200	405 L.F.
FH	2 EA.
DC	1 EA.
8" BV	1 EA.
10" x 8" R	1 EA.
8" ACP CLASS 200	10 L.F.
M.A.R.	1 EA.



OWNER/PERMITTEE
BEATY DEVELOPMENT COMPANY
2250 VILLA LA JOLLA DRIVE SUITE 2130
LA JOLLA, CALIFORNIA 92037

LEGAL DESCRIPTION
PARCEL 1 OF PARCEL MAP N° 4406, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA



STANLEY C. MORSE
CONSULTING CIVIL ENGINEERS
PLANNING • ENGINEERING • SURVEYING
8950 Villa La Jolla Drive, Suite 1204
La Jolla, California
(714) 457-2040
92037

AS BUILTS	OLIVENHAIN MUNICIPAL WATER DISTRICT	BENCH MARK # 00-0039
MASSON & BROS. INC. 311 E. WASHINGTON AVE ESCONDIDO, CA 92025 (619) 741-3570	WATER WORKS APPROVAL APPROVED BY: BOYLE ENGINEERING ENGINEERS FOR THE DISTRICT DOUGLAS W. MASSON DATE RCE 17706	DESCRIPTION 1/2" PIN IN CONC TOP DECK 4 X 6 BOX CULVERT LOCATION 1' WEST OF EAST HDWL @ INT RANCHO SANTA FE RD & MANCHESTER AVE RECORD FROM 50 CO ENG DEPT ELEVATION 7.769 DATUM USC 1985

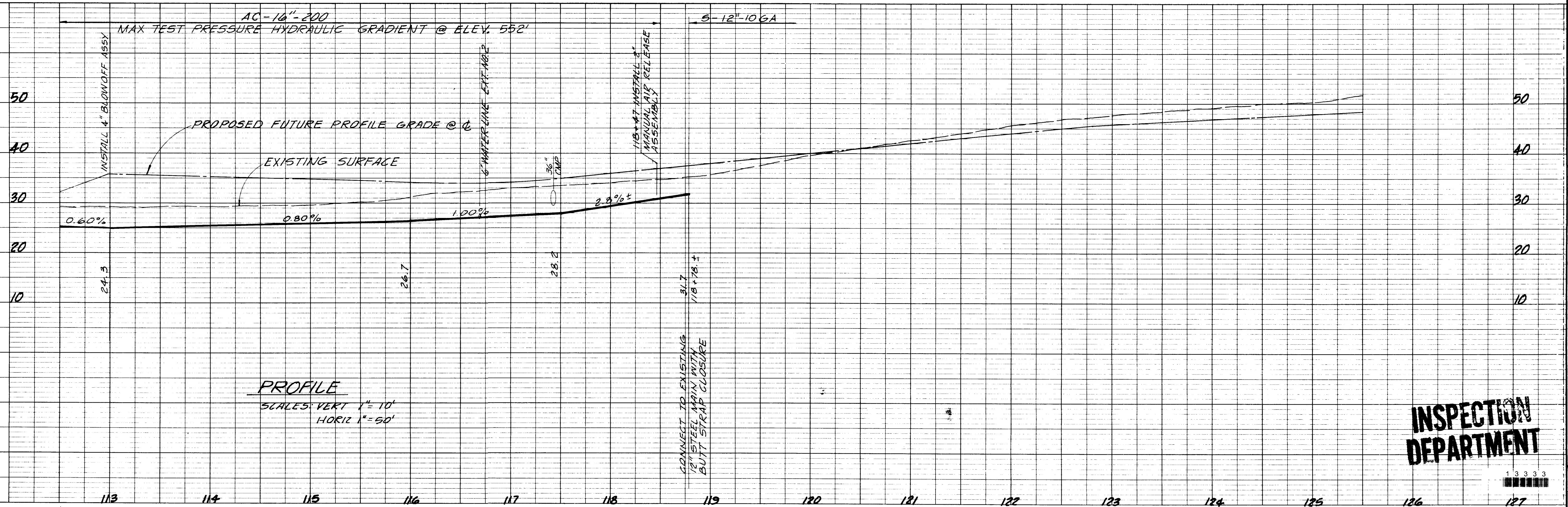
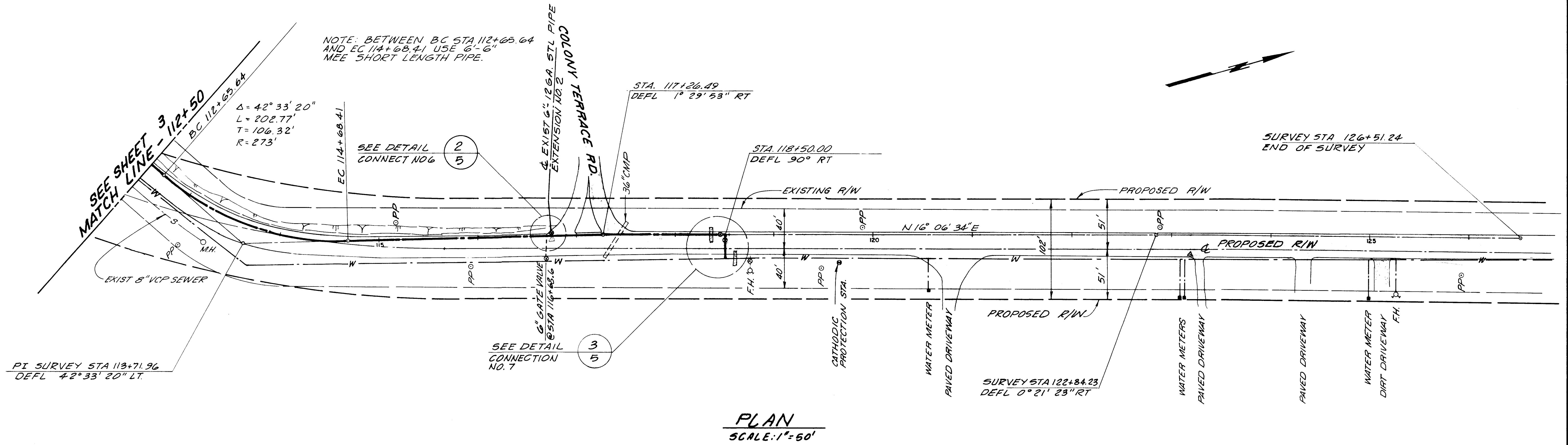
MAIN EXT. N° 96 PRIVATE CONTRACT

SHEET 1	OLIVENHAIN MUNICIPAL WATER DISTRICT	1 SHEETS
PLANS FOR IMPROVEMENT OF:		
WATER LINE SYSTEM WITHIN RANCHO PROFESSIONAL PLAZA		
PARCEL 1	PM 4406	
Engineer of work	Checked by	Approval date
CHARLES O. HART	TAN RCE 29243	

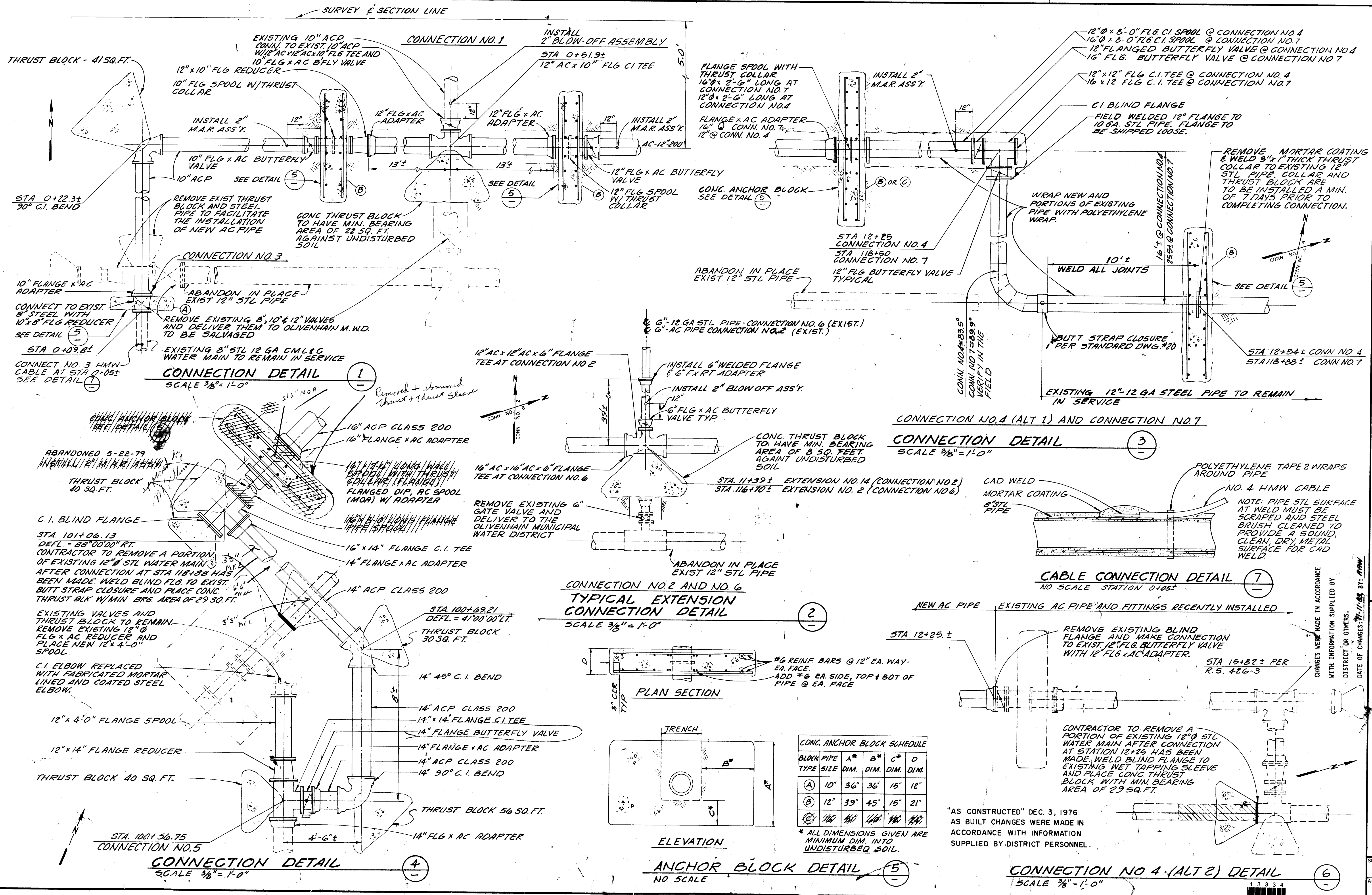
FILE NO.

ENGINEER'S NAME: STANLEY C. MORSE ENGINEERING
PHONE NO. (714) 457-2040

PROFILE	SURVEYED _____		B: _____	DATE _____
	PLOTTED _____			
NOTE BOOK	GRADES CHECKED _____		B, M, N, NOTED _____	
	CONSTRUCTED _____			
No: _____				



**INSPECTION
DEPARTMENT**



1111 0522

RIGHT OF WAY NOTE:

OWNER IS TO OBTAIN A CONSTRUCTION PERMIT FROM THE ENGINEERING DEPARTMENT AT LEAST 48 HOURS PRIOR TO WORKING IN THE PUBLIC RIGHT OF WAY. FAILURE TO DO SO WILL RESULT IN AN ISSUANCE OF A STOP WORK NOTICE AND DOUBLE PERMIT FEES. IT IS THE RESPONSIBILITY OF THE OWNER TO KNOW WHERE HIS/HER PROPERTY LINE IS.

DRAINAGE NOTE:

NO CONCENTRATED DRAINAGE FLOWS ARE PERMITTED OVER ADJACENT PROPERTY LINES. WATER IS TO DRAIN AWAY FROM STRUCTURES FOR A MIN. OF 5 FEET AT 2 PERCENT AND BE CONVEYED TO AN APPROVED DRAINAGE FACILITY.

UTILITY NOTE:

ALL UTILITIES SERVING THIS SITE SHALL BE INSTALLED UNDERGROUND.

WORK TO BE DONE

A. GENERAL

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE DESIGN CONSTRUCTION STANDARDS OF THE CITY OF ENCINITAS AND THE SAN DIEGO AREA REGIONAL STANDARD DRAWINGS. ANY CHANGES OR REVISIONS THEREFROM SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ANY REQUEST FOR INSPECTION.

2. THE SOILS REPORT TITLED "GEO-TECHNICAL INVESTIGATION REPORT, NEW RITE-AID PHARMACY, SOUTHWEST CORNER OF ENCINITAS BOULEVARD AND MANCHESTER AVENUE, ENCINITAS, CALIFORNIA," FOR THIS PROPERTY PREPARED BY PACIFIC SOUTHWEST GROUP DATED AUGUST 23, 2004, PROJECT#04138.1 SHALL BE CONSIDERED AS A PART OF THIS GRADING PLAN. ALL GRADING SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS CONTAINED IN SAID REPORT.

3. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF SIZES, LOCATION AND TYPE OF DRAINAGE FACILITIES, NOR OF IMPROVEMENTS WITHIN STREET RIGHT-OF-WAYS. SEPARATE APPROVALS AND PERMITS FOR THESE SHALL BE REQUIRED IN CONJUNCTION WITH IMPROVEMENT PLANS.

4. WRITTEN PERMISSION SHALL BE OBTAINED FOR ANY OFFSITE GRADING.

5. CONTRACTOR SHALL TAKE ANY NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING GRADING OPERATIONS. ANYTHING DAMAGED OR DESTROYED SHALL BE REPLACED OR REPAIRED TO CONDITION EXISTING PRIOR TO GRADING.

6. THE DEVELOPER SHALL BE RESPONSIBLE THAT ANY MONUMENT OR BENCH MARK WHICH IS DISTURBED OR DESTROYED SHALL BE REESTABLISHED AND REPLACED BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR.

7. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.

8. GRADING AND EQUIPMENT OPERATING WITHIN ONE-HALF (1/2) MILE OF A STRUCTURE FOR HUMAN OCCUPANCY SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 5:30 P.M. AND 7:30 A.M. NOR ON SATURDAYS, SUNDAYS AND CITY RECOGNIZED HOLIDAYS.

9. NO GRADING OPERATIONS SHALL COMMENCE UNTIL A PREGRADING MEETING HAS BEEN HELD ON-SITE WITH THE FOLLOWING PEOPLE PRESENT: CITY INSPECTOR, CIVIL ENGINEER, SOILS ENGINEER, GRADING CONTRACTOR AND PERMITTEE. THE PREGRADING MEETING SHALL BE SCHEDULED WITH THE CITY AT LEAST 48 HOURS IN ADVANCE BY CALLING (619) 633-2770.

10. PRIOR TO HAULING DIRT OR CONSTRUCTION MATERIALS TO ANY PROPOSED CONSTRUCTION SITE WITHIN THIS PROJECT THE DEVELOPER SHALL SUBMIT TO AND RECEIVE APPROVAL FROM THE CITY ENGINEER FOR THE PROPOSED HAUL ROUTE. THE DEVELOPER SHALL COMPLY WITH ALL CONDITIONS AND REQUIREMENTS THE CITY ENGINEER MAY IMPOSE WITH REGARDS TO THE HAULING OPERATION.

11. UPON FINAL COMPLETION OF THE WORK UNDER THE GRADING PERMIT BUT PRIOR TO FINAL GRADING APPROVAL AND/OR FINAL RELEASE OF SECURITY AND AS GRADED CERTIFICATION SHALL BE PROVIDED STATING: "THE GRADING UNDER PERMIT NO. 414G HAS BEEN PERFORMED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED GRADING PLAN OR AS SHOWN ON THE ATTACHED AS-GRADED PLAN". THIS STATEMENT SHALL BE FOLLOWED BY THE DATE AND SIGNATURE OF THE CIVIL ENGINEER WHO CERTIFIES SUCH GRADING OPERATION.

12. ALL GRADING SHALL BE INSPECTED AND TESTED BY A QUALIFIED SOILS ENGINEER OR UNDER HIS DIRECTION HE SHALL INSPECT AND TEST THE EXCAVATION PLACEMENT AND COMPACTION OF FILLS AND BACKFILLS AND COMPACTION OF TRENCHES. HE SHALL SUBMIT SOILS REPORTS AS REQUIRED AND WILL DETERMINE THE SUITABILITY OF ANY FILL MATERIAL UPON COMPLETION OF GRADING OPERATIONS HE SHALL STATE THAT OBSERVATIONS AND TESTS WERE MADE BY HIM OR UNDER HIS SUPERVISION AND THAT IN HIS OPINION, ALL EMBANKMENTS AND EXCAVATIONS ARE ACCEPTABLE FOR THEIR INTENDED USE.

13. THE CONTRACTOR SHALL PROPERLY GRADE ALL EXCAVATED SURFACES TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING OF WATER. HE SHALL CONTROL SURFACE WATER AND AVOID DAMAGE TO ADJOINING PROPERTIES OR FINISHED WORK ON THE SITE AND SHALL TAKE REMEDIAL MEASURE TO PREVENT EROSION OF FRESHLY Y GRADED AREAS UNTIL SUCH TIME AS PERMANENT DRAINAGE AND EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

14. ALL AREAS TO BE FILLED SHALL BE PREPARED TO BE FILLED AND FILL SHALL BE PLACED IN ACCORDANCE WITH STANDARD SPECIFICATION. ALL VEGETABLE MATTER AND OBJECTIONABLE MATERIAL SHALL BE REMOVED BY THE CONTRACTOR FROM THE SURFACE UPON WHICH THE FILL IS TO BE PLACED. EXPOSED SOILS SHALL BE REMOVED TO A DEPTH OF 12 INCHES AND THEN COMPACTED TO A MINIMUM OF 90 PERCENT (CONFIRM THIS MEETS GEO-TECHNICAL INVESTIGATION REPORT'S MINIMUM STANDARDS). IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT THE FILL IN STRICT ACCORDANCE WITH SPECIFICATIONS.

15. CUT AND FILL SLOPES SHALL BE CUT AND TRIMMED TO FINISH GRADE TO PRODUCE SMOOTH SURFACE AND UNIFORM CROSS SECTION. THE SLOPES OR EXCAVATION AND EMBANKMENTS SHALL BE SHAPED, PLANTED AND TRIMMED AS DIRECTED BY THE ENGINEER OF WORK AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS AND OTHER WASTE MATERIAL EXPOSED OR EXCAVATION OR EMBANKMENT SLOPES WHICH ARE LIABLE TO BECOME LOOSEENED SHALL BE REMOVED AND DISPOSED OF. THE TOE AND TOP OF ALL SLOPES SHALL BE ROUNDED IN ACCORDANCE WITH THE GRADING ORDINANCE.

16. ALL TREES, BRUSH, GRASS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE COLLECTED, PILED OR OTHERWISE DISPOSED OF OFF THE SITE BY THE CONTRACTOR SO AS TO LEAVE THE AREAS THAT HAVE BEEN CLEARED WITH A NEAT AND FINISHED APPEARANCE FREE FROM UNSIGHTLY DEBRIS. APPROVAL OF LOCATION OF DEBRIS FILL SHALL BE SECURED FROM THE SOILS ENGINEER AND CITY ENGINEER PRIOR TO THE DISPOSAL OF ANY SUCH MATERIAL.

B. NOTIFICATIONS

1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES AND STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE FOLLOWING OWNERS OF SAID UTILITIES OR STRUCTURES PRIOR TO ANY EXCAVATION, FOR VERIFICATION AND LOCATION OF UTILITIES AND NOTIFICATION OF COMMENCEMENT OF WORK:

A. SEWERS - CSD - (760)-633-2770
B. GAS & ELECTRIC - SDGE - (760)-438-6200
C. NOT USED
D. TELEPHONE - SBC BELL - (760)-489-3411
E. CABLE TV - COX COMMUNICATIONS-(760)-806-9809 X-2233

2. CONTRACTOR SHALL NOTIFY THE CITY ENGINEER'S OFFICE 48 HOURS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT. PHONE: (760)-633-2770.

3. THE CONTRACTOR SHALL GIVE 24 HOURS NOTICE ON CALLS FOR INSPECTION. PHONE: (760)-633-2770. INSPECTION WITHOUT BENEFIT OF INSPECTION WILL BE SUBJECT TO REJECTION AND REMOVAL.

D. EROSION CONTROL (ALSO SEE NOTES ON SHEET 6)

1. IN CASE EMERGENCY WORK IS REQUIRED, CONTACT TERRY HALBER AT (949)-632-6784, 24 HOURS.

2. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (OCTOBER 1 TO APRIL 15). ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE ON OCTOBER 1. AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.

3. DEVICES SHOWN ON PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ENGINEERING INSPECTOR.

4. THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.

5. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE CITY ENGINEER DUE TO AN INCOMPLETE GRADING OPERATION OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.

6. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHEN IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.

7. ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON.

8. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORK DAY.

9. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE (5) DAY RAIN PROBABILITY FORECAST EXCEEDS FORTY PERCENT (40%). SILT AND SAND SHALL BE REMOVED AFTER EACH RAINFALL.

OLIVENHAIN MUNICIPAL GENERAL EDITABLE WATER SYSTEM NOTES

1. POTABLE WATER WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILINGS AND SPECIFIED IN THE MOST RECENT EDITION OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT (DISTRICT) STANDARD SPECIFICATIONS AND DRAWINGS FOR THE CONSTRUCTION OF WATER MAINS AND FACILITIES, INCLUDING ALL AMENDMENTS ADOPTED PRIOR TO THE DISTRICT APPROVAL DATE ON THESE PLANS. CONTRACTOR SHALL HAVE A COPY OF THE STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.

2. THE SUBMISSION AND REVIEW OF ALL SUBMITTALS (SHOP DRAWINGS, SIX SETS) AS REQUIRED BY THE STANDARD SPECIFICATIONS ARE TO BE ACCOMPLISHED PRIOR TO THE PRE-CONSTRUCTION MEETING WITH THE DISTRICT'S INSPECTOR.

3. UNLESS OTHERWISE NOTED, CONNECTIONS TO EXISTING MAINS SHALL BE MADE DRY. THE TIME AND DURATION OF ANY SHUTDOWNS OF EXISTING MAINS SHALL BE SUBJECT TO APPROVAL BY THE DISTRICT. DISTRICT SHALL BE NOTIFIED TWO WEEKS IN ADVANCE OF ANY SHUTDOWN.

4. CONTRACTOR SHALL COORDINATE WITH DISTRICT ALL ARRANGEMENTS FOR HIGH-LINING TEMPORARY SERVICES PRIOR TO SHUTDOWNS. NO SHUTDOWNS WILL BE SCHEDULED ON A MONDAY OR FRIDAY.

5. CONTRACTOR SHALL REVIEW ALL PROPOSED TRENCH WORK WITH CAL/OSHA, A COPY OF EXEMPTION LETTER OR TRENCHING PERMIT, IF REQUIRED, SHALL BE SUBMITTED TO THE DISTRICT PRIOR TO CONSTRUCTION.

6. NO WORK MAY BEGIN OR PROCEED WITHOUT DIRECTION OF DISTRICT'S INSPECTOR. CONTRACTOR SHALL NOTIFY THE DISTRICT INSPECTIONS DEPARTMENT 48 HOURS PRIOR TO THE BEGINNING OF WORK TO ARRANGE FOR INSPECTION OF THE PROJECT. THE CONTRACTOR MUST CALL "DIG ALERT OF SOUTHERN CALIFORNIA" TO HAVE UNDERGROUND SERVICES LOCATED PRIOR TO CONSTRUCTION. THIS CALL WILL BE MADE AT LEAST 48 HOURS IN ADVANCE PRIOR TO ANY WORK BEING PERFORMED IN PUBLIC RIGHT-OF-WAY. (DIG ALERT PHONE: 800-227-2600)

8. ALL EXISTING FACILITIES WHICH MAY AFFECT PROJECT CONSTRUCTION, I.E. LINE CROSSINGS, LINE PARALLELS, OR PROPOSED CONNECTIONS SHALL BE FIELD VERIFIED BEFORE ANY CONSTRUCTION BEGINS.

9. THE CONTRACTOR SHALL FURNISH AND INSTALL PER THE STANDARD SPECIFICATIONS THE APPROPRIATE BURIED UTILITY WARNING AND IDENTIFICATION TAPE ABOVE ALL PUBLIC WATER LINES INCLUDING WATER LATERALS LOCATED IN PUBLIC RIGHT-OF-WAY.

10. WHERE ELEVATIONS AND GRADES ARE NOT SHOWN ON THE WATER MAIN PROFILE, TOP OF PIPE PROFILE IS 48-INCHES BELOW CENTERLINE OF FINISH GRADE OF STREET.

11. ALL DEFLECTIONS (HORIZONTAL AND VERTICAL) SHALL BE MADE BY USE OF JOINT COUPLINGS WITH 4" MAXIMUM DEFLECTION PER COUPLING (2" PER JOINT). NO BENDING (CURVING) OF PIPE SHALL BE PERMITTED.

12. MANUAL AIR RELEASES SHALL BE INSTALLED AT ALL HIGH POINTS AND BLOW-OFFS AT ALL LOW POINTS IN THE WATER MAIN PROFILE. PLACE MANUAL AIR RELEASES AND BLOW-OFFS WITHIN METER BOX AND LOCATE BEHIND CURB UNLESS OTHERWISE APPROVED BY DISTRICT'S REPRESENTATIVE. FIRE HYDRANTS MAY BE USED IN LIEU OF A MANUAL AIR RELEASE OR BLOW-OFF WHEN LOCATED AT OR NEAR HIGH OR LOW POINTS, AS APPROVED BY THE DISTRICT'S REPRESENTATIVE.

13. INSTALL A MINIMUM 1-INCH WATER SERVICE TO EACH LOT. METER TO BE LOCATED 5-FEET FROM A SIDE LOT LINE. A 3/4-INCH HIGH LETTER "W" SHALL BE CHISELED IN TOP OF EXISTING CURB OR IMPRINTED IN NEW CURB AT ALL WATER SERVICE CROSSINGS.

14. METER BOXES SHALL NOT BE PLACED WITHIN DRIVEWAYS OR SIDEWALKS WITHOUT THE DISTRICT'S PRIOR WRITTEN CONSENT.

15. ALL WATER SERVICES FOR IRRIGATION, MULTIPLE RESIDENTIAL COMPLEXES, COMMERCIAL OR INDUSTRIAL DEVELOPMENT SHALL HAVE APPROVED BACKFLOW PREVENTION DEVICE ON CUSTOMER'S SIDE OF WATER METER.

16. CONTRACTOR SHALL TIE OFF ALL VALVE LOCATIONS AND PROVIDE WRITTEN DIMENSIONS TO INSPECTOR IMMEDIATELY UPON INSTALLATION OF VALVES.

17. LINE VALVES, WHERE REQUIRED AT STREET INTERSECTIONS SHALL BE LOCATED AT THE TREE WHENEVER POSSIBLE.

18. FIRE HYDRANTS, AS APPROVED BY THE APPROPRIATE FIRE DISTRICT AND MEETING THE DISTRICT'S STANDARD SPECIFICATIONS, ARE TO BE INSTALLED AT LOCATIONS SPECIFIED BY THE FIRE DISTRICT.

19. ALL DESIGN CHANGES TO THE WATER SYSTEM SHALL BE APPROVED BY THE DISTRICT REPRESENTATIVE IN WRITING PRIOR TO CONSTRUCTION AND ACCEPTANCE OF THE CHANGE.

20. THE WATER SYSTEM SHALL BE PRESSURE TESTED IN ACCORDANCE WITH THE PROCEDURES IN THE DWD STANDARD SPECIFICATIONS. THE CLASS OF PIPE SHALL BE USED AS THE DESIGNATED WORKING PRESSURE FOR TESTING ALL PIPE.

21. PIPELINES AND APPURTENANCES SHALL BE DISINFECTED IN ACCORDANCE WITH SECTION 15041 OF THE DWD STANDARD SPECIFICATIONS PRIOR TO TIE-IN OR CONNECTION TO EXISTING SYSTEM FACILITIES. BACTERIOLOGIC QUALITY TEST RESULTS SHALL BE REPORTED TO THE CRITERIA SPECIFIED IN THAT SPECIFICATION.

22. CONTRACT RECORD DRAWINGS MUST BE SUBMITTED PRIOR TO FINAL ACCEPTANCE OF WORK. THE PLANS MUST PROVIDE POST CONSTRUCTION VERIFICATION OF THE LOCATION AND ELEVATION OF PIPES AND APPURTENANCES.

23. CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF ACCEPTANCE FOR THE PROJECT. CONTRACTOR SHALL REPAIR OR REPLACE ANY OR ALL SUCH WORK, TOGETHER WITH ANY OTHER WORK WHICH MAY BE DISPLACED IN SO DOING THAT MAY PROVE DEFECTIVE IN WORKMANSHIP AND/OR MATERIALS WITHIN THE ONE-YEAR PERIOD FROM THE DATE OF ACCEPTANCE WITHOUT EXPENSE WHATSOEVER TO THE DISTRICT, ORDINARY WEAR AND TEAR, UNUSUAL ABUSE OR NEGLIGENCE EXCEPTED.

24. ALL IRRIGATION METERS SHALL BE SERVED WITH RECYCLED WATER UNLESS PREVIOUSLY APPROVED IN WRITING BY THE DISTRICT.

STORMWATER POLLUTION CONTROL BMP NOTES RELATIVE TO CONSTRUCTION ACTIVITIES (ALSO SEE NOTES ON SHEET 6)

CONCRETE WASHOUT

CONTRACTOR SHALL ESTABLISH AND USE AN ADEQUATELY SIZED CONCRETE WASHOUT AREA TO CONTAIN WASHOUT WASTES ON SITE. IT IS ILLEGAL TO WASH CONCRETE, SLURRY, MORTAR, STUCCO, PLASTER AND THE LIKE INTO THE STORMWATER CONVEYANCE SYSTEM OR ANY RECEIVING WATER. CONTRACTOR SHALL POST A SIGN DESIGNATING THE WASHOUT LOCATION.

CONSTRUCTION SITE ACCESS

A STABILIZED CONSTRUCTION SITE ACCESS SHALL BE PROVIDED FOR VEHICLES EGRESS AND INGRESS TO PREVENT TRACKING DIRT OFF SITE. THIS SHALL INCLUDE USING MATERIAL SUCH AS GRAVEL AND/OR CORRUGATED STEEL PANELS/PLATES.

CONSTRUCTION VEHICLES

A SPECIFIC AREA AWAY FROM GUTTERS AND STORM DRAIN SHALL BE DESIGNATED FOR CONSTRUCTION VEHICLES PARKING, VEHICLE REFUELING, AND ROUTINE EQUIPMENT MAINTENANCE. ALL MAJOR REPAIRS SHALL BE MADE OFF-SITE.

EROSION CONTROL

EROSION CONTROL MUST BE PROVIDED FOR ALL ERODIVE SURFACES. SLOPED SURFACES ESPECIALLY SHALL BE PROTECTED AGAINST EROSION BY INSTALLING EROSION RESISTANT SURFACES SUCH AS EROSION CONTROL MATS, ADEQUATE GROUND COVER VEGETATION, AND BONDED FIBER MATRIX.

NO EXCAVATION AND GRADING ACTIVITIES ARE ALLOWED DURING WET WEATHER.

DIVERSION DIKES SHALL BE CONSTRUCTED TO CHANNEL RUNOFF AROUND THE CONSTRUCTION SITE. CONTRACTOR SHALL PROTECT CHANNELS AGAINST EROSION USING PERMANENT AND TEMPORARY EROSION CONTROL MEASURES.

REMOVE EXISTING VEGETATION ONLY WHEN ABSOLUTELY NECESSARY. LARGE PROJECTS SHALL BE CONDUCTED IN PHASES TO AVOID UNNECESSARY REMOVAL OF THE NATURAL GROUND COVER. DO NOT REMOVE TREES OR SHRUBS UNNECESSARILY; THEY HELP DECREASE EROSION.

TEMPORARY VEGETATION MUST BE PLANTED ON SLOPES OR WHERE CONSTRUCTION IS NOT IMMEDIATELY PLANNED FOR EROSION CONTROL PURPOSES. EROSION SHALL BE PREVENTED BY PLANTING FAST-GROWING ANNUAL AND PERENNIAL GRASSES TO SHIELD AND BIND THE SOIL.

PLANT PERMANENT VEGETATION AS SOON AS POSSIBLE, ONCE EXCAVATION AND GRADING ACTIVITIES ARE COMPLETE.

WATER USAGE FOR DUST CONTROL SHALL BE MINIMIZED.

ON-SITE CONSTRUCTION MATERIAL STORAGE

STORED MATERIALS SHALL BE CONTAINED IN A SECURE PLACE TO PREVENT SEEPAGE AND SPILLAGE. CONTRACTOR SHALL STORE THESE PRODUCTS WHERE THEY WILL STAY DRY OUT OF THE RAIN. CONTRACTOR SHALL PROVIDE SECONDARY CONTAINMENT FOR ALL FUEL STORED ON-SITE.

ELIMINATE OR REDUCE POLLUTION OF STORMWATER FROM STOCKPILES KEPT ON-SITE. STOCKPILES MAY INCLUDE SOIL, PAVING MATERIALS, ASPHALT CONCRETE, AGGREGATE BASE, ETC. STOCKPILES SHALL BE LOCATED AWAY FROM CONCENTRATED TORMWATER STORMWATER FLOWS AND STORMDRAIN INLETS. STOCKPILES SHALL BE COVERED OR PROTECTED WITH SOIL STABILIZATION MEASURES AND PROVIDED WITH A TEMPORARY SEDIMENT BARRIER AROUND THE PERIMETER AT ALL TIMES.

TRAINING

CONTRACTORS' EMPLOYEES WHO PERFORM CONSTRUCTION IN THE CITY OF ENCINITAS SHALL BE TRAINED TO BE FAMILIAR WITH THE CITY OF ENCINITAS STORMWATER POLLUTION CONTROL REQUIREMENTS. THESE BMP NOTES SHALL BE AVAILABLE TO EVERYONE WORKING ON SITE. THE PROPERTY OWNER(S) AND THE PRIME CONTRACTOR MUST INFORM SUBCONTRACTORS ABOUT STORMWATER REQUIREMENTS AND THEIR OWN RESPONSIBILITIES.

WASTE MANAGEMENT

CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY DISPOSING OF ALL WASTE AND UNUSED CONSTRUCTION MATERIALS. DUMPING OF UNUSED OR WASTE PRODUCTS ON THE GROUND, WHERE WATER CAN CARRY THEM INTO THE CONVEYANCE SYSTEM IS STRICTLY PROHIBITED.

NO SEEPAGE FROM DUMPSITE SHALL BE DISCHARGED INTO STORMWATER. BEANS/DIKES SHALL BE PLACED AROUND DUMPSITES TO DIVERT THE NATURAL STORM RUNOFF. DUMPSITES SHALL BE CHECKED FREQUENTLY FOR LEAKS. DUMPSITE LIDS SHALL REMAIN CLOSED AT ALL TIMES. DUMPSITES WITHOUT LIDS SHALL BE PLACED WITHIN STRUCTURES WITH IMPERVIOUS ROOFING OR COVERED WITH TARPS IN ORDER TO AVOID RAIN CONTACT WITH ANY TRASH MATERIAL.

MANY CONSTRUCTION MATERIALS, INCLUDING SOLVENTS, WATER-BASED PAINTS, VEHICLE FLUIDS, BROKEN ASPHALT AND CONCRETE, WOOD, AND CLEARED VEGETATION CAN BE RECYCLED. NON-RECYCLABLE MATERIALS MUST BE TAKEN TO AN APPROPRIATE LANDFILL OR DISPOSED OF AS HAZARDOUS WASTE. FOR INFORMATION ON DISPOSAL OF HAZARDOUS MATERIAL, CALL THE HAZARDOUS WASTE HOTLINE TOLL FREE AT (800) 714-1195. FOR INFORMATION ON LANDFILLS AND TO ORDER DUMPSITES CALL EDCO AT (760) 436-4151.

POLLUTANTS SHALL BE KEPT OFF EXPOSED SURFACES. PLACE TRASH CANS AND RECYCLING RECEPTACLES AROUND THE SITE.

PORTABLE TOILETS MUST BE IN GOOD WORKING ORDER AND CHECKED FREQUENTLY FOR LEAKS. CONTRACTOR SHALL PROVIDE SECONDARY CONTAINMENT AND LOCATE PORTABLE TOILETS AWAY FROM STORMDRAIN INLETS ON PERVIOUS SURFACES.

ALL CONSTRUCTION DEBRIS SHALL BE KEPT AWAY FROM THE STREET, GUTTER, AND STORMDRAIN. CONTRACTOR MUST ROUTINELY CHECK AND CLEAN UP MATERIAL THAT MAY HAVE TRAVELED AWAY FROM CONSTRUCTION SITE.

FOR MORE INFORMATION ON STORMWATER POLLUTION CONTROL MEASURES AND REQUIREMENTS PLEASE CONTACT THE ENGINEERING DEPARTMENT, CITY OF ENCINITAS AT (760) 633-2770.

EARTHWORK NOTES:

FILL: 121 CY
CUT: 938 CY
IMPORT: 817 CY REMOVE AND RECOMPACT: 3,352 CY (BUILDING)
916 CY (PAVEMENT)

IMPERVIOUS AREA:

IMPERVIOUS AREA PRIOR TO CONSTRUCTION: 0 SQ FT
IMPERVIOUS AREA AFTER CONSTRUCTION: 35,855 SQ FT
INCREASE IN IMPERVIOUS AREA: 35,855 SQ FT

RITE AID CORPORATION
300 GODDARD WAY, SUITE 100
IRVINE, CA 92618
PHONE: (949) 753-0614
FAX: (949) 585-9264
CONTACT: TERRY HALBUR
E-MAIL: THALBUR@RITEAID.COM

SITE ADDRESS:

SWC OF ENCINITAS BLVD & MANCHESTER AVE.
ENCINITAS, CA
APN 259-190-46

LEGAL DESCRIPTION:

PARCEL 2 OF PARCEL MAP NO. 4406, IN THE CIT OF ENCINITAS, COUNTY OF SAN DIEGO COUNTY, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JANUARY 23, 1975 AS FILE NO. 75-0220333 OF OFFICIAL RECORDS.

OWNER'S CERTIFICATE

I (WE) HEREBY CERTIFY THAT A REGISTERED SOILS ENGINEER OR GEOLOGIST HAS BEEN OR WILL BE RETAINED TO SUPERVISE OVER ALL GRADING ACTIVITY AND ADVISE ON THE COMPACTION AND STABILITY OF THE SITE.

DATE: 4-26-07

SIGNATURE: *Tony M. Rabady*
OWNER NAME TONY M. RABADY
NEDS STATEMENT/SPECIAL NOTE: 937C 34 700 8 (TO BE ADDED BY HAND PRIOR TO ANY CONSTRUCTION)

DEVELOPMENT OF THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF STATE WATER RESOURCES CONTROL BOARD (SWRCB) ORDER NO. 99-08 DWG (N.P.D.E.S. GENERAL PERMIT NO. CAS000002). WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY. IN ACCORDANCE WITH SAID PERMIT, A STORM WATER POLLUTION PREVENTIN PLAN (SWPPP) AND A MONITORING PROGRAM PLAN SHALL BE DEVELOPED AND IMPLEMENTED CONCURRENT WITH THE COMMENCEMENT OF GRADING ACTIVITIES AND A COMPLETE AND ACCURATE NOTICE-OF-INTENT (NOI) WILL BE FILED WITH THE SWRCB. A COPY OF THIS PROJECT SHALL BE FILED WITH THE CITY OF ENCINITAS WHEN RECEIVED; FURTHER, A COPY OF THE COMPLETED NOI FROM THE SWRCB SHOWING THE PERMIT NUMBER FOR THIS PROJECT SHALL BE FILED WITH THE CITY OF ENCINITAS WHEN RECEIVED.

IN ADDITION, THE UNDERSIGNED AND SUBSEQUENT OWNER(S) OF ANY PORTION OF THE PROPERTY COVERED BY THIS GRADING PERMIT NO. 1600-G, AND BY SWRCB ORDER NO. 99-08 DWG, AND ANY SUBSEQUENT AMENDMENTS THERETO, SHALL COMPLY WITH SPECIAL PROVISION AS SET FORTH IN SECTION C.7 OF SWRCB ORDER NO. 99-08 DWG.

IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH AND IMPLEMENT REQUIREMENTS OUTLINED WITHIN THE CALIFORNIA COASTAL COMMISSION COASTAL PERMIT NO. 00-251.

SOILS ENGINEER'S CERTIFICATE

I, *Michael B. Burgess*, A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOIL MECHANICS, HEREBY CERTIFY THAT A SAMPLING AND STUDY OF THE SOIL CONDITIONS PREVALENT WITHIN THIS SITE WAS MADE BY ME OR UNDER MY DIRECTION BETWEEN AUGUST 3rd AND THE 4th, 2004. ONE COMPLETE COPY OF THE SOILS REPORT COMPLETED FROM THIS STUDY, WITH MY RECOMMENDATIONS, HAS BEEN SUBMITTED TO THE OFFICE OF THE CITY ENGINEER. FURTHERMORE, I HAVE REVIEWED THESE GRADING PLANS AND CERTIFY THAT THE RECOMMENDATIONS INCLUDED IN THE SOILS REPORT FOR THIS PROJECT HAVE BEEN INCORPORATED IN THE GRADING PLANS AND SPECIFICATIONS.

SIGNED: *Michael Burgess*

RSE NO.: 2701

EXP. DATE: 3/31/2009

JOB #06-ABCD

PACIFIC SOUTHWEST GROUP
27292 CALLE ARROYO, SUITE B
SAN JUAN CAPISTRANO, CA 92675
(949) 487-1111

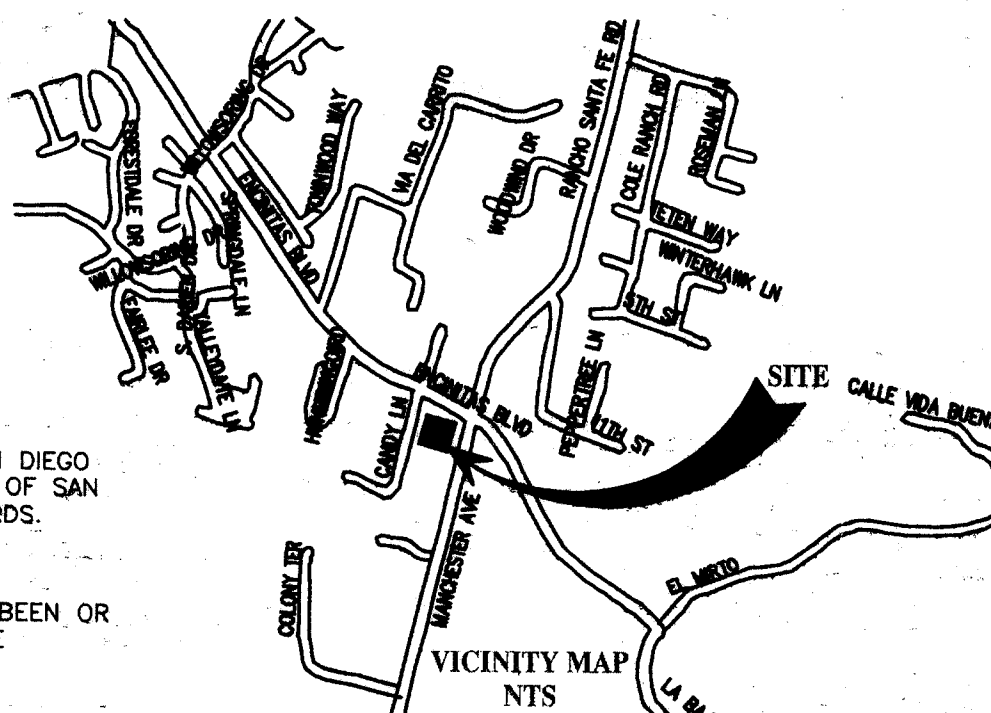
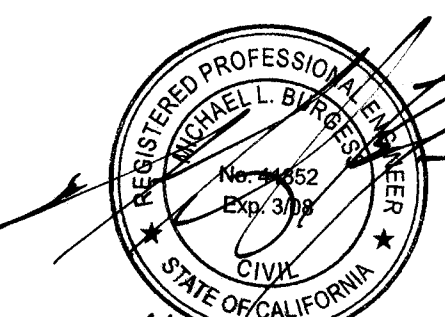
STATEMENT OF ENGINEER OF WORK

THE UNDERSIGNED ENGINEER AGREES THAT THE WORK PERFORMED BY THE ENGINEER SHALL COMPLY WITH THE GENERALLY ACCEPTED STANDARDS AND PRACTICES OF THE ENGINEER'S TRADE OR PROFESSION. THE ENGINEER FURTHER AGREES THAT THE WORK PERFORMED HEREIN SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS REQUIRED BY THE CITY OF ENCINITAS. TO THE EXTENT THAT THE ENGINEER CONTROLS SUCH PERFORMANCE, THE ENGINEER AGREES THAT ANY PLAN CHECK OR REVIEW PERFORMED BY THE CITY OF ENCINITAS IN ITS CAPACITY AS A PUBLIC ENTITY FOR THE PLANS PREPARED BY THE ENGINEER IS NOT A DETERMINATION BY THE CITY OF ENCINITAS OF THE TECHNICAL SUFFICIENCY OR ADEQUACY OF THE PLANS OR DESIGN AND IT THEREFORE DOES NOT RELIEVE THE ENGINEER OF RESPONSIBILITY FOR THE PLANS OR DESIGN OF IMPROVEMENTS BASED THEREON. THE ENGINEER AGREES TO INDEMNIFY AND HOLD HARMLESS THE CITY OF ENCINITAS AND ITS OFFICERS, AGENTS, AND EMPLOYEES FROM PROPERTY DAMAGE OR BODILY INJURY ARISING SOLELY FROM THE NEGLIGENT ACTS, ERRORS OR OMISSIONS OF THE ENGINEER AND HIS/HER AGENTS OR EMPLOYEES ACTING WITHIN THE COURSE AND SCOPE OF SUCH AGENCY AND EMPLOYMENT AND ARISING OUT OF THE WORK PERFORMED BY THE ENGINEER.

BY: *Michael Burgess, P.E.*
MICHAEL BURGESS, P.E.

DATE: 4/19/07

RHL DESIGN GROUP
MICHAEL BURGESS
1137 N. McDOWELL BLVD.
PETALUMA, CA 94954
TELEPHONE NO. (707) 765-1660
RCE NO.: 41852
EXP. DATE: MARCH 2008



RECORD PLAN

Michael Burgess 4/19/07
MICHAEL BURGESS DATE

SHEET INDEX

SHEET	DESCRIPTION
1	COVER SHEET
2	GRADING PLAN
3	UTILITY PLAN
4	CIVIL DETAILS
5	WORK TO BE DONE / NOTES SHEET
6	WATER POLLUTION CONTROL DRAWING
7	NOTES AND DETAILS
8	GENERAL STRUCTURAL NOTES
9	FOUNDATION & FRAMING DETAILS

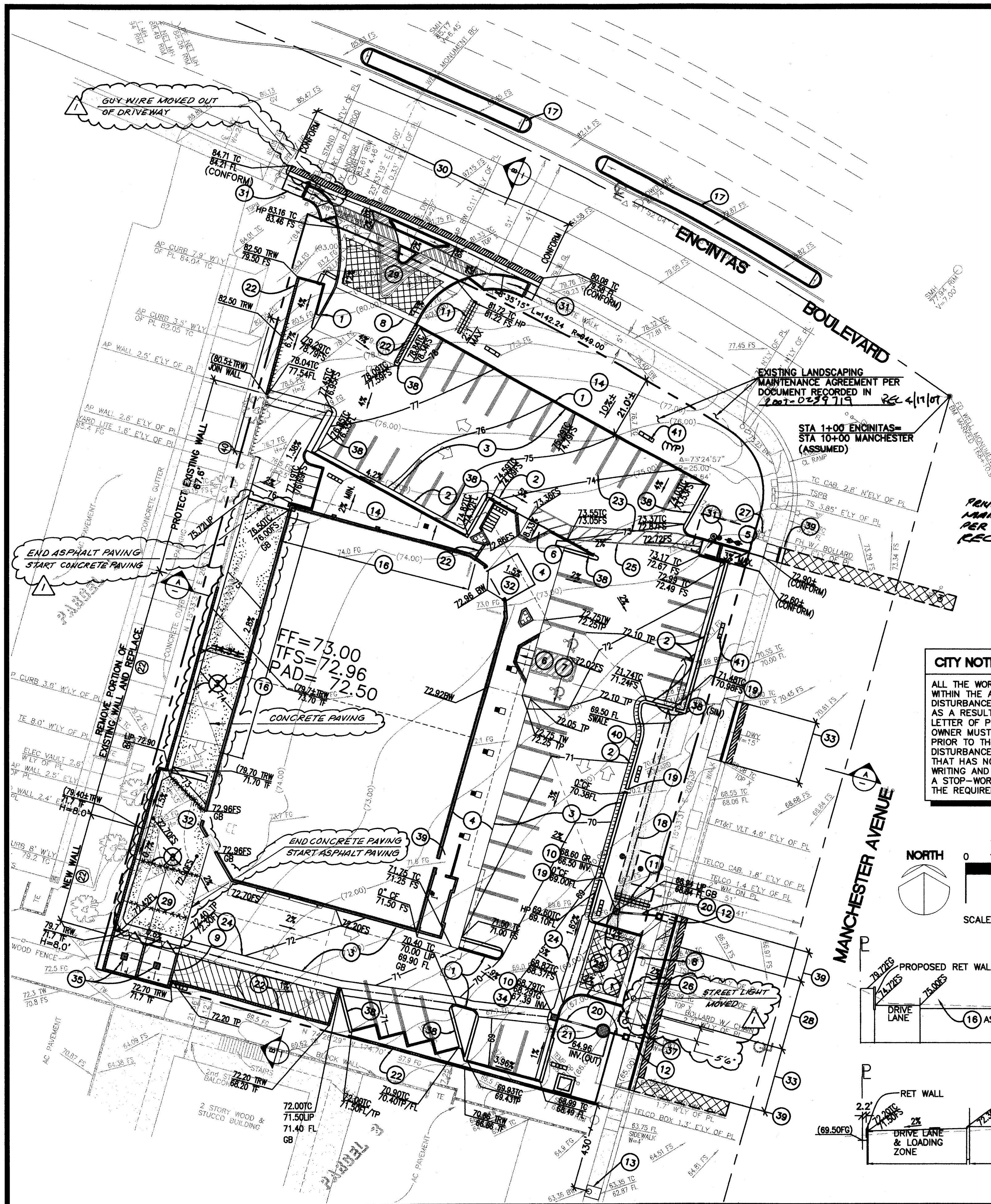
RITE AID CORPORATION
STORE DEVELOPMENT DEPARTMENT
P.O. BOX 3165
HARRISBURG, PA 17105
(717) 761-2633

RHL ARCHITECTURE • ENGINEERING • ENVIRONMENTAL SERVICES
Group Inc. 2401 EAST KATILLA AVE., SUITE 400, HANAHAN, CA 92040-3600
200 N. ZANON, AUSTIN, TX 78701 MICHAEL BURGESS, CIVIL ENGINEER

PERMITS

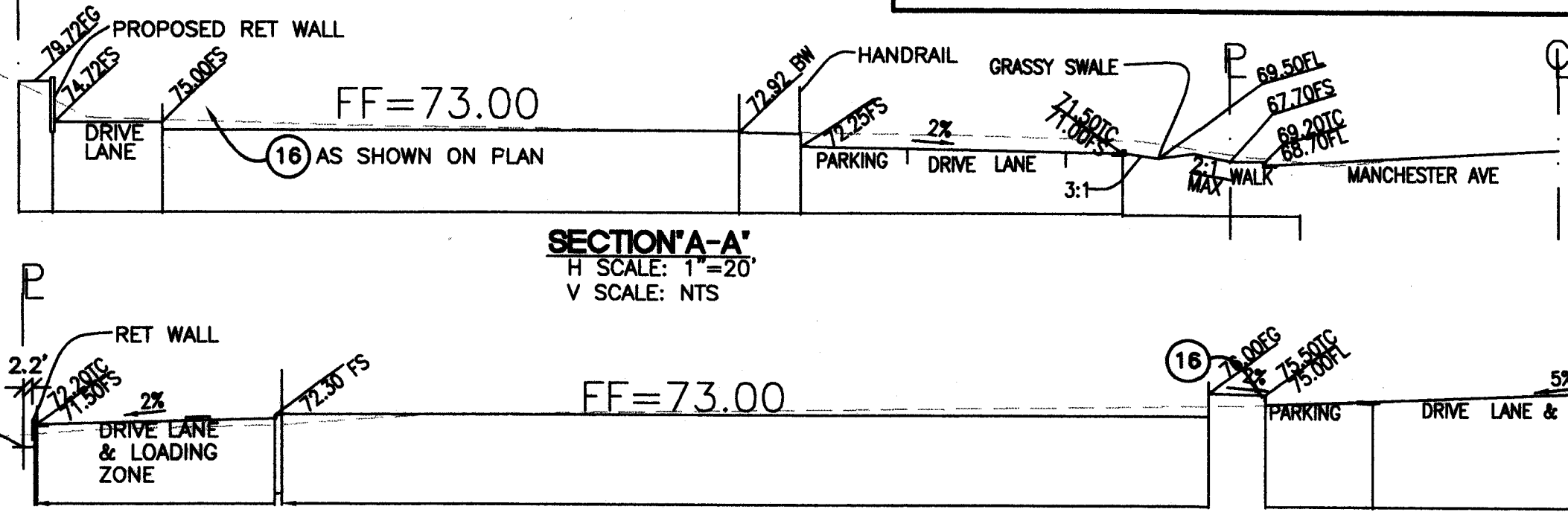
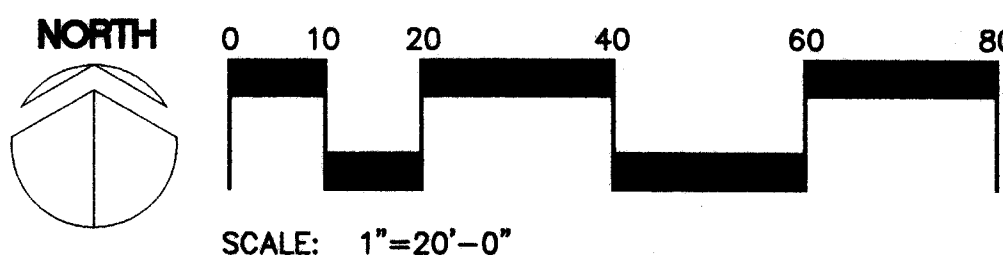
DR/CDP PERMIT NO. _____
SPECIAL USE PERMIT NO. _____
TENTATIVE MAP NO. _____

REVISIONS	APPROVED	DATE	REFERENCES	DATE	BENCH MARK	SCALE	SPECIAL DISTRICT	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVALS	CITY OF ENCINITAS ENGINEERING SERVICES DEPARTMENT	DRAWING NO.
AS-BUILT	<i>Michael Burgess</i>	4-26-07	PMH	4/26/07	DESCRIPTION: COUNTY OF SAN DIEGO BM R0458 LOCATION: STREET CL MONUMENT IN WELL MARKED 168+10.94 RECORD FROM: COUNTY OF SAN DIEGO BM R0458 ELEVATION: 75.114 DATUM: NAVD 29	HORIZONTAL 1"=20' VERTICAL N/A		<i>Michael Burgess</i>	<i>Michael Burgess</i>	<i>Michael Burgess</i>	APPROVED: <i>Michael Burgess</i> DATE: 4/19/07 R.C.E. NO.: 41852 EXP. MARCH, 2008	COVER SHEET FOR: SWC OF ENCINITAS BLVD & MANCHESTER AVE RITE AID CORPORATION APN 259-190-46 PLANNING CASE NO: 05-027 DR/MUP/CDP	414-G SHEET 1 OF 9



CITY NOTE

ALL THE WORK PROPOSED ON THIS PLAN IS ENTIRELY WITHIN THE APPLICANT'S PROPERTY. IF ANY DISTURBANCE TO ADJACENT PROPERTIES IS ANTICIPATED AS A RESULT OF ANY PROPOSED WORK, A WRITTEN LETTER OF PERMISSION FROM THE ADJACENT PROPERTY OWNER MUST BE OBTAINED AND SUBMITTED TO THE CITY PRIOR TO THE START OF ANY SUCH WORK. ANY DISTURBANCE ON THE ADJACENT PRIVATE PROPERTY THAT HAS NOT BEEN PREVIOUSLY AUTHORIZED IN WRITING AND SUBMITTED TO THE CITY IS GROUNDS FOR A STOP-WORK TO BE ISSUED FOR THE PROJECT UNTIL THE REQUIRED PERMISSION IS OBTAINED.



CONSTRUCTION KEY NOTES

- 6" CONCRETE CURB PER DETAIL 6, SHEET 4 OF 9.
- CONCRETE CURB WITH 18" GUTTER PER DETAIL 9, SHEET 4 OF 9.
- AC PAVEMENT PER DETAIL 8, SHEET 4 OF 9.
- RAISED CONCRETE SIDEWALK PER DETAIL 12, SHEET 4 OF 9.
- CONCRETE SIDEWALK. SLOPES NOT TO EXCEED 5% IN THE DIRECTION OF TRAVEL WITH A 2% MAXIMUM CROSS SLOPE PER DETAIL 13, SHEET 4 OF 9.
- CURB RAMP. SEE ARCHITECTURAL PLANS FOR HANDICAPPED REQUIREMENTS, SDRSDS G-28, G-30 AND G-32 FOR DETAILS.
- ACCESSIBLE PARKING STALL SLOPES NOT TO EXCEED 2% IN ANY DIRECTION.
- CONCRETE SLAB EDGE PER DETAIL 3, SHEET 4 OF 9.
- COVERED TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS FOR DETAILS.
- CATCH BASIN. SEE UTILITY PLAN, SHEET 3 OF 9.
- SIGN. SEE ARCHITECTURAL PLANS.
- CONSTRUCT PARKWAY DRAIN PER SDRSD - D-25. SEE OFFSITE PLANS.
- EXISTING CURB INLET TO BE MODIFIED, REFER TO OFF-SITE PLANS FOR DETAILS.
- LANDSCAPE AREA. PLANS BY RHL DESIGN LANDSCAPING GROUP.
- ARCHITECTURAL FEATURE, SEE ARCHITECTURAL PLAN FOR LAYOUT AND DETAILS.
- CONSTRUCT BUILDING RETAINING WALL PER BUILDING PLANS.
- CONCRETE CURB RAISED MEDIAN REFER TO OFF-SITE PLANS FOR DETAILS.
- CONSTRUCT GRASSY SWALE. PER DETAIL 16, SHEET 4 OF 9.
- CONSTRUCT 1' WIDE CURB OPENING. PER DETAIL 10, SHEET 4 OF 9.
- INSTALL 8" PVC SDR-35 OR APPROVED EQUAL.
- INSTALL 48" (SF NO.1) PRECAST 'STORM FILTER' PER STORMWATER MANAGEMENT INC. (CONTACT STORMWATER SOLUTIONS STANDARDS. CONTACT (800)548-4867. SEE SHEET 5 FOR MANUFACTURERS SPECIFICATIONS.
- CONSTRUCT RETAINING WALL PER STRUCTURAL PLAN, SEE SHEETS 8 AND 9 OF 9.
- FOR PARKING LOT STRIPING AND SIGNAGE PER ARCHITECTURAL SHEETS.
- 5' WIDE CONCRETE SWALE PER DETAIL 2, SHEET 4 OF 9 (TYPICAL).
- ACCESSABLE PATH NOT TO EXCEED 5% IN THE DIRECTION OF TRAVEL WITH A 2% MAXIMUM CROSS SLOPE.
- EXISTING ELECTROLIER TO BE RELOCATED PER CITY OF ENCINITAS' DIRECTION. REFER TO OFFSITE PLANS FOR DETAILS.
- EXISTING FIRE HYDRANT TO BE A COMMERCIAL HYDRANT, REFER TO OFF-SITE PLANS.
- 24' WIDE CONCRETE DRIVEWAY SIMILAR TO SDRSD G-14 AND G-26, SEE OFF-SITE PLANS FOR DETAILS.
- CONCRETE PAVEMENT PER DETAIL 7, SHEET 4 OF 9.
- COMMERCIAL DRIVEWAY, SEE OFFSITE PLANS FOR DIMENSIONS AND LAYOUT.
- ADD ACCESSIBLE 8.33% MAX. AND 6.77% MIN. SLOPE IN DIRECTION OF RAMP TRAVEL WITH 2% MAX. CROSS SLOPE.
- 'LEVEL LANDING' MAX 2% SLOPE IN ANY DIRECTION.
- EXISTING DRIVEWAY TO BE CLOSED. SEE OFF-SITE PLANS FOR DETAILS.
- CONCRETE GUTTER FLARE PER DETAIL 4, SHEET 4 OF 9.
- 12" SQUARE TRAFFIC RATED SEWER DRAIN INLET.
- EXISTING CURB, GUTTER, AND SIDEWALK SHALL BE REPAIRED/REPLACED TO THE SATISFACTION OF THE CITY ENGINEER WHERE DAMAGED.
- RELOCATED ELECTROLIER (APPROXIMATELY THIS LOCATION) REFER TO OFF-SITE PLANS.
- 18" WIDE CURB, SEE DETAIL 15, SHEET 4.
- SIDEWALK, CURB AND GUTTER TO BE REMOVED, AND REPLACED TO INSTALL UTILITY SERVICE OR DRAINAGE STRUCTURE, REFER TO OFF-SITE PLANS.
- PAINT CURB RED PER FIRE DEPT REQUIREMENTS.
- LIGHT POLE, SEE ARCHITECTURAL PLAN FOR MORE INFORMATION.

GRADING LEGEND

- 0.00 OR (0.00) EXISTING SPOT ELEVATION
- 0.00 PROPOSED ELEVATION
- 0.00 PROPOSED CONTOURS
- 0.00 EXISTING CONTOURS
- 0.00 DIRECTION OF DRAINAGE FLOW
- 0.00 PROPERTY LINE
- 0.00 LIMIT OF WORK
- 0.00 PAINT CURB RED
- 0.00 GRADE BREAK
- 0.00 SDR 35 PVC STORM DRAIN LINE, SIZE AND SLOPE PER PLAN
- 0.00 UTILITY TRENCH BACKFILL AND RESURFACING, PER CITY STANDARDS
- 0.00 REMOVE AND REPLACE AC PAVING PER DETAIL 8, SHEET 4.
- 0.00 LOADING ZONE PAVEMENT STRIPING, REFER TO ARCHITECTURAL SIGNING AND STRIPING PLAN
- 0.00 GRASSY SWALE. PER DETAIL 16, SHEET 4 OF 9.
- BW BACK OF WALK
- FG FINISH GRADE
- FL FLOW LINE
- TFS TOP OF FLOOR SLAB
- GB GRADE BREAK
- IE INVERT ELEVATION
- EG EXISTING GRADE
- FS FINISHED (AC PAVEMENT) SURFACE
- HP HIGH POINT
- SIM SIMILAR TO DETAIL
- SF STORM FILTER
- SDRSD SAN DIEGO REGIONAL STANDARD DRAWING
- LIP EDGE OF SWALE OR GUTTER
- TC TOP OF CURB
- TG TOP OF GRATE
- TS TOP OF SLAB
- TW TOP OF WALK
- (E) EXISTING
- H WALL HEIGHT
- TRW TOP OF RETAINING WALL
- TF TOP OF FOOTING
- NPDDES NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM

TOPOGRAPHIC AND BOUNDARY INFORMATION

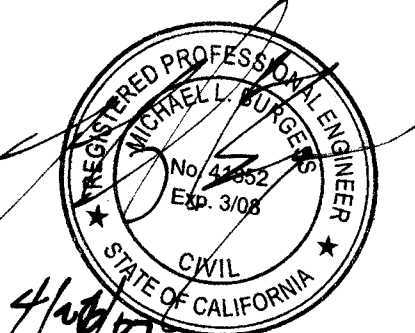
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON IS FROM THE ALTA/ACSM LAND TITLE SURVEY PERFORMED BY DCI ENGINEERING, INC., JOB NO. 0428, DATED 08-18-04.
- SITE BENCHMARK**
COUNTY OF SAN DIEGO BM R0458
STREET CL MONUMENT IN WELL MARKED 168+10.94
ELEVATION = 75.114
- BASIS OF BEARINGS**
THE BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF ENCINITAS BOULEVARD BEING NORTH 66°24'16" EAST PER DEED MAP 258 FILED IN RECORDS OF THE COUNTY OF SAN DIEGO, CALIFORNIA.

EARTHWORK CALCULATION (FOR PLAN REVIEW AND PERMIT FEE CALCULATION ONLY)

BUILDING OVEREXCAVATION:	3133	CUBIC YARDS
BUILDING RECOMPACTED FILL:	3,133	CUBIC YARDS
	+ 7%	SHRINKAGE
	= 3,352	CUBIC YARDS
PAVEMENT OVEREXCAVATION:	856	CUBIC YARDS
PAVEMENT RECOMPACTED FILL:	856	CUBIC YARDS
	+ 7%	SHRINKAGE
	= 916	CUBIC YARDS
1) CALCULATIONS ASSUME AN APPROXIMATE PAVEMENT SECTION OF 1.0' AND OVEREXCAVATION MATERIAL IS REUSED.		
NET RESULT		
CUT:	938	CUBIC YARDS
FILL:	121	CUBIC YARDS
TOTAL ESTIMATED EXPORT: 817 CUBIC YARDS		

WORK TO BE DONE

SEE SHEET 5, FOR THE "WORK TO BE DONE" IN ACCORDANCE WITH THE CITY AND COUNTY REQUIREMENTS.

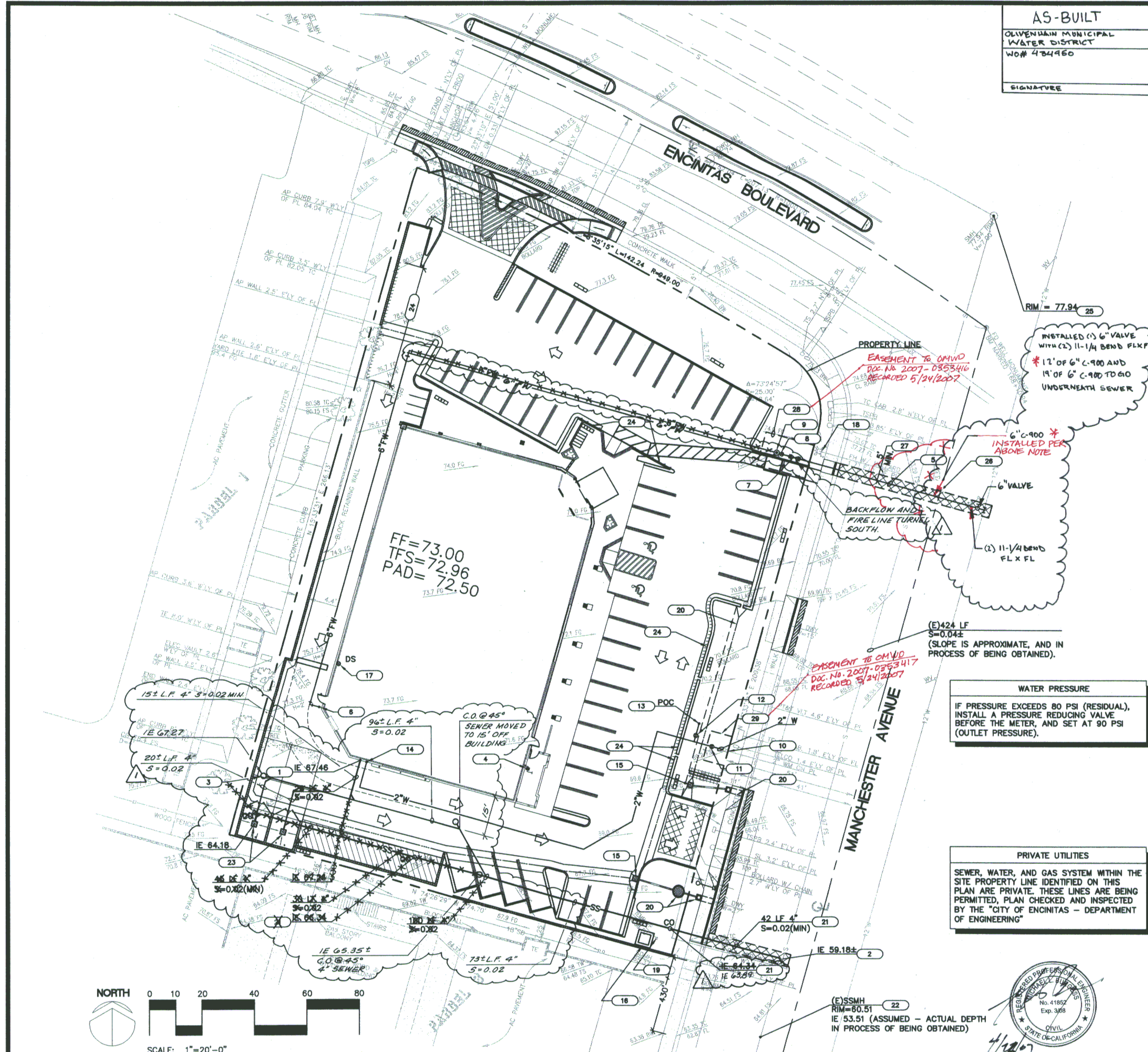


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RHL ARCHITECTURE + ENGINEERING
• ENVIRONMENTAL SERVICES
DESIGN Group Inc 300 EAST KATELLA AVE. SUITE 400, MANASSAS, VA 20108-2900
JOHN H. JORDAN, ARCHITECT MICHAEL L. BURGESS, CIVIL ENGINEER

REVISIONS	APPROVED	DATE	REFERENCES	DATE	BENCH MARK	SCALE	SPECIAL DISTRICT	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVALS	CITY OF ENCINITAS ENGINEERING SERVICES DEPARTMENT	DRAWING NO.
AS-BUILT	6/10/07	11/06/07	PMH	3/19/07	DESCRIPTION: COUNTY OF SAN DIEGO BM R0458 LOCATION: STREET CL MONUMENT IN WELL MARKED 168+10.94 RECORD FROM: COUNTY OF SAN DIEGO BM R0458 ELEVATION: 75.114 DATUM: NAVD 29	HORIZONTAL 1"=20' VERTICAL N/A		PLANS PREPARED UNDER SUPERVISION OF MICHAEL BURGESS, P.E.	DATE: 5/10/07 R.C.E. NO.: 41852 EXP. MARCH, 2008	RECOMMENDED BY: MML DATE: 5/10/07	APPROVED BY: Peter Q. M. DATE: 5/10/07	GRADING PLAN FOR: SWC OF ENCINITAS BLVD & MANCHESTER AVE RITE AID CORPORATION APN 259-190-46 PLANNING CASE NO: 05-027 DR/MUP/CDP	414-G SHEET 2 OF 9

I:\Vedro\55242-20.dwg (55242-20 - 103.dwg) Dimcode: 20, L:\Scale: 0.7, Plot Time: Apr 28, 2007 - 03:33pm, Login: M...
Pre-plot: [NOV 17, 2006 08:33:06] Xref: "55242-16" "55242-20-BASE" "55242-20-ALTA-081704" "55242-20" "55242-20-UTL" Images:



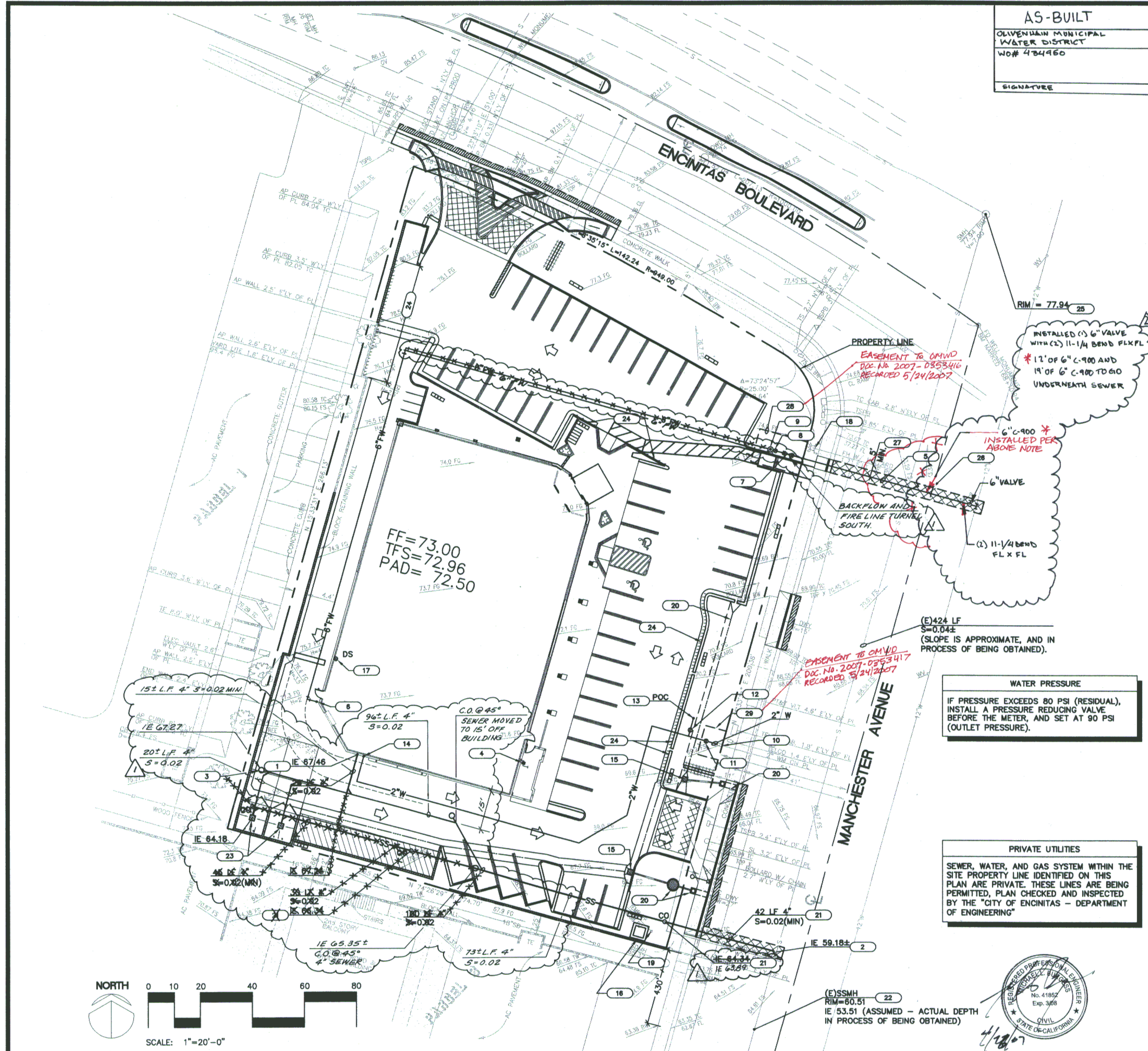
AS-BUILT
OLIVENHAIN MUNICIPAL
WATER DISTRICT
WO# 434960
SIGNATURE

- ### KEY NOTES
- 0.0
- 4" PVC SANITARY SEWER POINT OF CONNECTION TO BUILDING. FOR INFORMATION ON BUILDING SEWER CONNECTION AND CLEAN OUT SEE BUILDING PLUMBING PLANS.
 - 4" SEWER LATERAL CONNECTION TO MAIN PER CITY STANDARDS.
 - ONE WAY CLEAN OUT PER DETAIL 11, SHEET C-104.
 - GAS SERVICE POINT OF CONNECTION TO BUILDING, GAS METER. FOR INFORMATION ON CONNECTION TO BUILDING SEE BUILDING PLUMBING SHEETS. CONTRACTOR SHALL COORDINATE NEW GAS SERVICE INSTALLATION WITH UTILITY COMPANY.
 - NEW 6" FIRE SERVICE LATERAL OFF (E) 12" MAIN PER OLIVENHAIN MUNICIPAL WATER DISTRICT REQUIREMENTS. SEE OFFSITE IMPROVEMENT PLANS.
 - APPROXIMATE FIRE SPRINKLER SERVICE POINT OF CONNECTION TO BUILDING.
 - NEW 6" FIRE SERVICE AND FIRE DETECTOR CHECK ASSEMBLY PER OLIVENHAIN MUNICIPAL WATER DISTRICT STANDARDS. FOR ADDITIONAL INFORMATION, INCLUDING SIZE SEE FIRE SERVICE AND FIRE SPRINKLER PLANS (UNDER SEPARATE PERMIT).
 - POST INDICATOR VALVE (P.I.V.). FOR ADDITIONAL INFORMATION, INCLUDING SIZE, SEE FIRE SERVICE AND FIRE SPRINKLER PLANS (UNDER SEPARATE PERMIT).
 - FIRE DEPARTMENT CONNECTION (F.D.C.). FOR ADDITIONAL INFORMATION, INCLUDING SIZE, SEE FIRE SERVICE AND FIRE SPRINKLER PLANS (UNDER SEPARATE PERMIT).
 - EXISTING 2" WATER METER FOR DOMESTIC AND IRRIGATION SERVICE.
 - 2" FEBCO 825Y, OR AGENCY APPROVED REDUCED PRESSURE PRINCIPAL BACKFLOW DEVICE TO BE INSTALLED PER OMWD STANDARD C-2.1 AND TO BE INSTALLED WITHIN 18" OF EXISTING METER.
 - 1-1/2" REDUCED PRESSURE PRINCIPAL BACKFLOW DEVICE FOR IRRIGATION. SEE LANDSCAPE PLANS BY RHL DESIGN GROUP TO CONFIRM SIZE AND INSTALL PER OMWD STANDARD C-2.1.
 - STUB 2" SERVICE LINE FOR IRRIGATION.
 - 2" DOMESTIC WATER LINE POINT OF CONNECTION AT BUILDING. FOR EXACT LOCATION SEE BUILDING PLUMBING SHEETS.
 - 24"x24" ID DROP INLET, CHRISTY CONCRETE PRODUCTS, INC. MODEL U21 OR APPROVED EQUAL, WITH "FLOGARD FB-24" STORM DRAIN FILTER BY KRISTAR ENTERPRISES, INC. CONTACT: CHRISTY CONCRETE PRODUCTS: (800) 486-7070 OR WWW.CHRISTYCONCRETE.COM. KRISTAR: (800) 579-8819
 - TRANSFORMER AND TRANSFORMER PAD. SEE ELECTRICAL DRAWINGS FOR DETAILS.
 - BUILDING DOWNSPOUT TO DISCHARGE TO TOP OF PAVEMENT, SEE BUILDING DRAWINGS FOR EXACT LOCATION. INSTALL CONCRETE SPLASH BLOCK AT CLIENT'S DIRECTION.
 - EXISTING FIRE HYDRANT TO BE A COMMERCIAL HYDRANT. SEE OFFSITE PLAN FOR DISPOSITION.
 - EXISTING POWER POLE, PROTECT DURING CONSTRUCTION. SEE ELECTRICAL SERVICE PLANS.
 - STORM DRAINAGE STRUCTURES. SEE GRADING PLAN.
 - TWO WAY CLEANOUT PER DETAIL 14, SHEET C-104.
 - EXISTING SANITARY SEWER MANHOLE SOUTH OF SITE. DEPTH IN PROCESS OF BEING DETERMINED.
 - 12" TRAFFIC RATED SEWER DRAIN INLET.
 - "NO PARKING FIRE LANE" RED CURB OR SIGNS TO BE INSTALLED PER ENCINITAS FIRE DEPARTMENT STANDARDS.
 - SEE "BACKWATER VALVE" BLOCK NOTE ON THIS SHEET.
 - INSTALL TWO-SIDED "BLUE DOT" REFLECTIVE FIRE HYDRANT MARKERS 4" TO 6" FROM CENTER LINE ON HYDRANT SIDE.
 - PROVIDE AT LEAST 5' MINIMUM CLEARANCE BETWEEN THE NEW 6" FIRE SERVICE LATERAL AND THE EXISTING FIRE HYDRANT LATERAL.
 - PROPOSED FIRE LINE EASEMENT.
 - PROPOSED WATERLINE EASEMENT.

UTILITY LEGEND

	COPPER TYPE "K" WATER LINE. SIZE AS NOTED.
	FIRE WATER LINE. SIZE PER FIRE SERVICE PLAN BY OTHERS.
	EXISTING FIRE SERVICE LATERAL
	SANITARY SEWER, SDR-35. SIZE AS NOTED.
	SDR-35 PVC STORM DRAIN LINE. SIZE AND SLOPE PER PLANS.
	UTILITY TRENCH BACKFILL AND RESURFACING PER CITY STANDARDS.
	"NO PARKING FIRE LANE" (WHITE LETTERS ON RED CURB, SEE KEYNOTE 24).
	CLEAN OUT TO GRADE
	DOWN SPOUT
	MANHOLE
	DRAIN INLET
	NATURAL GAS METER
	INVERT ELEVATION
	POST INDICATOR VALVE
	FIRE DEPT. CONNECTION
	FIRE DETECTOR CHECK ASSEMBLY
	TOP OF GRATE OR COVER ELEVATION EXISTING
	FIRE WATER
	SANITARY SEWER MANHOLE
	POINT OF CONNECTION
	BACKFLOW PREVENTOR
	POST INDICATOR VALVE
	FIRE DEPT. CONNECTION
	FIRE DETECTOR CHECK ASSEMBLY
	TOP OF GRATE OR COVER ELEVATION EXISTING
	FIRE WATER
	SANITARY SEWER MANHOLE
	POINT OF CONNECTION
	BACKFLOW PREVENTOR
	POST INDICATOR VALVE
	FIRE DEPT. CONNECTION
	FIRE DETECTOR CHECK ASSEMBLY
	TOP OF GRATE OR COVER ELEVATION EXISTING
	FIRE WATER
	SANITARY SEWER MANHOLE
	POINT OF CONNECTION
	BACKFLOW PREVENTOR
	POST INDICATOR VALVE
	FIRE DEPT. CONNECTION
	FIRE DETECTOR CHECK ASSEMBLY
	TOP OF GRATE OR COVER ELEVATION EXISTING
	FIRE WATER
	SANITARY SEWER MANHOLE
	POINT OF CONNECTION
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	POST INDICATOR VALVE
	FIRE DEPT. CONNECTION
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	FIRE WATER
	SANITARY SEWER MANHOLE
	POINT OF CONNECTION
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AS-BUILT
OLIVENHAIN MUNICIPAL
WATER DISTRICT
WO# 434960
SIGNATURE

- KEY NOTES**
- 0.0
- 4" PVC SANITARY SEWER POINT OF CONNECTION TO BUILDING. FOR INFORMATION ON BUILDING SEWER CONNECTION AND CLEAN OUT SEE BUILDING PLUMBING PLANS.
 - 4" SEWER LATERAL CONNECTION TO MAIN PER CITY STANDARDS.
 - ONE WAY CLEAN OUT PER DETAIL 11, SHEET C-104.
 - GAS SERVICE POINT OF CONNECTION TO BUILDING, GAS METER. FOR INFORMATION ON CONNECTION TO BUILDING SEE BUILDING PLUMBING SHEETS. CONTRACTOR SHALL COORDINATE NEW GAS SERVICE INSTALLATION WITH UTILITY COMPANY.
 - NEW 6" FIRE SERVICE LATERAL OFF (E) 12" MAIN PER OLIVENHAIN MUNICIPAL WATER DISTRICT REQUIREMENTS. SEE OFFSITE IMPROVEMENT PLANS.
 - APPROXIMATE FIRE SPRINKLER SERVICE POINT OF CONNECTION TO BUILDING.
 - NEW 6" FIRE SERVICE AND FIRE DETECTOR CHECK ASSEMBLY PER OLIVENHAIN MUNICIPAL WATER DISTRICT STANDARDS. FOR ADDITIONAL INFORMATION, INCLUDING SIZE SEE FIRE SERVICE AND FIRE SPRINKLER PLANS (UNDER SEPARATE PERMIT).
 - POST INDICATOR VALVE (P.I.V.). FOR ADDITIONAL INFORMATION, INCLUDING SIZE, SEE FIRE SERVICE AND FIRE SPRINKLER PLANS (UNDER SEPARATE PERMIT).
 - FIRE DEPARTMENT CONNECTION (F.D.C.). FOR ADDITIONAL INFORMATION, INCLUDING SIZE, SEE FIRE SERVICE AND FIRE SPRINKLER PLANS (UNDER SEPARATE PERMIT).
 - EXISTING 2" WATER METER FOR DOMESTIC AND IRRIGATION SERVICE.
 - 2" FEBCO 825Y, OR AGENCY APPROVED REDUCED PRESSURE PRINCIPAL BACKFLOW DEVICE TO BE INSTALLED PER OMWD STANDARD C-2.1 AND TO BE INSTALLED WITHIN 18" OF EXISTING METER.
 - 1-1/2" REDUCED PRESSURE PRINCIPAL BACKFLOW DEVICE FOR IRRIGATION. SEE LANDSCAPE PLANS BY RHL DESIGN GROUP TO CONFIRM SIZE AND INSTALL PER OMWD STANDARD C-2.1.
 - STUB 2" SERVICE LINE FOR IRRIGATION.
 - 2" DOMESTIC WATER LINE POINT OF CONNECTION AT BUILDING. FOR EXACT LOCATION SEE BUILDING PLUMBING SHEETS.
 - 24"x24" ID DROP INLET, CHRISTY CONCRETE PRODUCTS, INC. MODEL U21 OR APPROVED EQUAL, WITH "FLOGARD FB-24" STORM DRAIN FILTER BY KRISTAR ENTERPRISES, INC. CONTACT: CHRISTY CONCRETE PRODUCTS: (800) 486-7070 OR WWW.CHRISTYCONCRETE.COM. KRISTAR: (800) 579-8819
 - TRANSFORMER AND TRANSFORMER PAD. SEE ELECTRICAL DRAWINGS FOR DETAILS.
 - BUILDING DOWNSPOUT TO DISCHARGE TO TOP OF PAVEMENT, SEE BUILDING DRAWINGS FOR EXACT LOCATION. INSTALL CONCRETE SPLASH BLOCK AT CLIENT'S DIRECTION.
 - EXISTING FIRE HYDRANT TO BE A COMMERCIAL HYDRANT. SEE OFFSITE PLAN FOR DISPOSITION.
 - EXISTING POWER POLE, PROTECT DURING CONSTRUCTION. SEE ELECTRICAL SERVICE PLANS.
 - STORM DRAINAGE STRUCTURES. SEE GRADING PLAN.
 - TWO WAY CLEANOUT PER DETAIL 14, SHEET C-104.
 - EXISTING SANITARY SEWER MANHOLE SOUTH OF SITE. DEPTH IN PROCESS OF BEING DETERMINED.
 - 12" TRAFFIC RATED SEWER DRAIN INLET.
 - "NO PARKING FIRE LANE" RED CURB OR SIGNS TO BE INSTALLED PER ENCINITAS FIRE DEPARTMENT STANDARDS.
 - SEE "BACKWATER VALVE" BLOCK NOTE ON THIS SHEET.
 - INSTALL TWO-SIDED "BLUE DOT" REFLECTIVE FIRE HYDRANT MARKERS 4" TO 6" FROM CENTER LINE ON HYDRANT SIDE.
 - PROVIDE AT LEAST 5' MINIMUM CLEARANCE BETWEEN THE NEW 6" FIRE SERVICE LATERAL AND THE EXISTING FIRE HYDRANT LATERAL.
 - PROPOSED FIRE LINE EASEMENT.
 - PROPOSED WATERLINE EASEMENT.

UTILITY LEGEND

	COPPER TYPE "K" WATER LINE. SIZE AS NOTED.
	FIRE WATER LINE. SIZE PER FIRE SERVICE PLAN BY OTHERS.
	EXISTING FIRE SERVICE LATERAL
	SANITARY SEWER, SDR-35. SIZE AS NOTED.
	SDR-35 PVC STORM DRAIN LINE. SIZE AND SLOPE PER PLANS.
	UTILITY TRENCH BACKFILL AND RESURFACING PER CITY STANDARDS.
	"NO PARKING FIRE LANE" (WHITE LETTERS ON RED CURB, SEE KEYNOTE 24).
	CLEAN OUT TO GRADE
	DOWN SPOUT
	MANHOLE
	DRAIN INLET
	NATURAL GAS METER
	INVERT ELEVATION
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GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE DESIGN CONSTRUCTION STANDARDS OF THE CITY OF ENCINITAS AND THE SAN DIEGO AREA REGIONAL STANDARD DRAWINGS. ANY CHANGES OR REVISIONS THEREFROM SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ANY REQUEST FOR INSPECTION.
2. THE SOILS REPORT TITLED "GEOTECHNICAL INVESTIGATION PROPOSED COMMERCIAL BUILDING SOUTH RANCHO SANTA FE RD., APN 259-191-03, ENCINITAS, CALIFORNIA," DATED AUGUST 24, 2000 PREPARED BY JORDAN ENGINEERS, INC. SHALL BE CONSIDERED PART OF THIS GRADING PLAN. ALL GRADING SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS OF SAID REPORT.
3. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF SIZES, LOCATION AND TYPE OF DRAINAGE FACILITIES, NOR OF IMPROVEMENTS WITHIN STREET RIGHT-OF-WAYS. SEPARATE APPROVALS AND PERMITS FOR THESE SHALL BE REQUIRED IN CONJUNCTION WITH IMPROVEMENT PLANS.
4. WRITTEN PERMISSION SHALL BE OBTAINED FOR ANY OFFSITE GRADING.
5. CONTRACTOR SHALL TAKE ANY NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING GRADING OPERATIONS. ANYTHING DAMAGED OR DESTROYED SHALL BE REPLACED OR REPAIRED TO CONDITION EXISTING PRIOR TO GRADING.
6. THE DEVELOPER SHALL BE RESPONSIBLE THAT ANY MONUMENT OR BENCH MARK WHICH IS DISTURBED OR DESTROYED SHALL BE RE-ESTABLISHED AND REPLACED BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR.
7. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
8. GRADING AND EQUIPMENT OPERATING WITHIN ONE-HALF (1/2) MILE OF A STRUCTURE FOR HUMAN OCCUPANCY SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 5:30 P.M. AND 7:30 A.M. NOR ON SATURDAYS, SUNDAYS AND CITY RECOGNIZED HOLIDAYS.
9. NO GRADING OPERATIONS SHALL COMMENCE UNTIL A PREGRADING MEETING HAS BEEN HELD ONSITE WITH THE FOLLOWING PEOPLE PRESENT: CITY INSPECTOR, CIVIL ENGINEER, SOILS ENGINEER, GRADING CONTRACTOR AND PERMITTEE. THE PREGRADE MEETING SHALL BE SCHEDULED WITH THE CITY AT LEAST 48 HOURS IN ADVANCE BY CALLING (760) 633-2770.
10. PRIOR TO HAULING DIRT OR CONSTRUCTION MATERIALS TO ANY PROPOSED CONSTRUCTION SITE WITHIN THIS PROJECT THE DEVELOPER SHALL SUBMIT TO AND RECEIVE APPROVAL FROM THE CITY ENGINEER FOR THE PROPOSED HAUL ROUTE. THE DEVELOPER SHALL COMPLY WITH ALL CONDITIONS AND REQUIREMENTS THE CITY ENGINEER MAY IMPOSE WITH REGARDS TO THE HAULING OPERATION.
11. UPON FINAL COMPLETION OF THE WORK UNDER THE GRADING PERMIT BUT PRIOR TO FINAL GRADING APPROVAL AND/OR FINAL RELEASE OF SECURITY, AN AS-GRADED CERTIFICATION SHALL BE PROVIDED STATING: "THE GRADING UNDER PERMIT NO. 7389-G HAS BEEN PERFORMED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED GRADING PLAN OR AS SHOWN ON THE ATTACHED AS-GRADED PLAN". THIS STATEMENT SHALL BE FOLLOWED BY THE DATE AND SIGNATURE OF THE CIVIL ENGINEER WHO CERTIFIES SUCH GRADING OPERATION.
12. LOCATION OF UTILITIES IS APPROXIMATE AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.

NOTIFICATIONS

1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES AND STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE FOLLOWING OWNERS OF SAID UTILITIES OR STRUCTURES PRIOR TO ANY EXCAVATION, FOR VERIFICATION AND LOCATION OF UTILITIES AND NOTIFICATION OF COMMENCEMENT OF WORK:

A. SEWERS - CSD (760) 633-2770

B. GAS & ELECTRIC - SDG&E (800) 422-4133

C. WATER - SDWD (760) 633-2848

D. TELEPHONE - (800) 422-4133

E. CABLE TV (800) 422-4133
2. CONTRACTOR SHALL NOTIFY THE CITY ENGINEER'S OFFICE 48 HOURS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT. PHONE: (760) 633-2770.
3. THE CONTRACTOR SHALL GIVE 24 HOURS NOTICE ON CALLS FOR INSPECTION. PHONE: (760) 633-2770. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION WILL BE SUBJECT TO REJECTION AND REMOVAL.

GRADING NOTES

1. ALL GRADING SHALL BE INSPECTED AND TESTED BY A QUALIFIED SOILS ENGINEER OR UNDER HIS/HER DIRECTION. HE/SHE SHALL INSPECT AND TEST THE EXCAVATION PLACEMENT AND COMPACTION OF FILLS AND BACKFILLS AND COMPACTION OF TRENCHES. HE/SHE SHALL SUBMIT SOILS REPORTS AS REQUIRED AND WILL DETERMINE THE SUITABILITY OF ANY FILL MATERIAL. UPON COMPLETION OF GRADING OPERATIONS HE/SHE SHALL STATE THAT OBSERVATIONS AND TESTS WERE MADE BY HIM/HER OR UNDER HIS/HER SUPERVISION AND THAT IN HIS/HER OPINION, ALL EMBANKMENTS AND EXCAVATIONS WERE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED GRADING PLANS AND THAT ALL EMBANKMENTS AND EXCAVATIONS ARE ACCEPTABLE FOR THEIR INTENDED USE.
2. THE CONTRACTOR SHALL PROPERLY GRADE ALL EXCAVATED SURFACES TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING OF WATER. HE/SHE SHALL CONTROL SURFACE WATER AND AVOID DAMAGE TO ADJOINING PROPERTIES OR TO FINISHED WORK ON THE SITE AND SHALL TAKE REMEDIAL MEASURES TO PREVENT EROSION OF FRESHLY GRADED AREAS UNTIL SUCH TIME AS PERMANENT DRAINAGE AND EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
3. ALL AREAS TO BE FILLED SHALL BE PREPARED TO BE FILLED AND FILL SHALL BE PLACED IN ACCORDANCE WITH STANDARD SPECIFICATIONS. ALL VEGETABLE MATTER AND OBJECTIONABLE MATERIAL SHALL BE REMOVED BY THE CONTRACTOR FROM THE SURFACE UPON WHICH THE FILL IS TO BE PLACED. LOOSE FILL AND ALLUVIAL SOILS SHALL BE REMOVED TO SUITABLE FIRM NATURAL GROUND. THE EXPOSED SOILS SHALL BE SCARIFIED TO A DEPTH OF 6" AND THEN COMPACTED TO A MINIMUM OF 90 PERCENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT THE FILL IN STRICT ACCORDANCE WITH SPECIFICATIONS.
4. CUT AND FILL SLOPES SHALL BE CUT AND TRIMMED TO FINISH GRADE TO PRODUCE SMOOTH SURFACES AND UNIFORM CROSS SECTIONS. THE SLOPES OF EXCAVATIONS AND EMBANKMENTS SHALL BE SHAPED, PLANTED AND TRIMMED AS DIRECTED BY THE ENGINEER OF WORK AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS AND OTHER WASTE MATTER EXPOSED OR EXCAVATION OR EMBANKMENT SLOPES WHICH ARE LIABLE TO BECOME LOOSEENED SHALL BE REMOVED AND DISPOSED OF. THE TOE AND TOP OF ALL SLOPES SHALL BE ROUNDED IN ACCORDANCE WITH THE GRADING ORDINANCE.
5. ALL TREES, BRUSH, GRASS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE COLLECTED, PILED OR OTHERWISE DISPOSED OF OFF THE SITE BY THE CONTRACTOR SO AS TO LEAVE THE AREAS THAT HAVE BEEN CLEARED WITH A NEAT AND FINISHED APPEARANCE FREE FROM UNSIGHTLY DEBRIS. APPROVAL OF LOCATION OF DEBRIS FILL SHALL BE SECURED FROM THE SOILS ENGINEER AND CITY ENGINEER PRIOR TO THE DISPOSAL OF ANY SUCH MATERIAL.

EROSION CONTROL NOTES

1. IN CASE EMERGENCY WORK IS REQUIRED, CONTACT CHARLES BADGER AT (760) 744-0061. (24 HOUR AVAILABILITY)
2. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
3. DEVICES SHOWN ON PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ENGINEERING INSPECTOR.
4. THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
5. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE CITY ENGINEER DUE TO AN INCOMPLETE GRADING OPERATION OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTH AREAS WHEN IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
7. ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON.
8. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORK DAY.
9. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END EACH WORKING DAY WHEN FIVE (5) DAY RAIN PROBABILITY FORECAST EXCEEDS FORTY PERCENT (40%). SILT AND OTHER DEBRIS SHALL BE REMOVED AFTER EACH RAINFALL.
10. SHOULD GERMINATION OF HYDROSEEDDED SLOPES FAIL TO PROVIDE EFFECTIVE COVERAGE OF GRADED SLOPES (90 % COVERAGE) PRIOR TO NOVEMBER 15, THE SLOPES SHALL BE STABILIZED WITH PUNCHED STRAW INSTALLED IN ACCORDANCE WITH SECTION 35.023 OF THE EROSION AND SEDIMENT CONTROL HANDBOOK OF THE STATE OF CALIFORNIA DEPARTMENT OF CONSERVATION.
11. FOR EROSION CONTROL DETAIL, SEE SHEET 2, SECTION C-C.

CITY OF ENCINITAS
GRADING AND
EROSION
CONTROL PLAN
BADGER SITE

ENVIRONMENTAL DATA:

- 1) STEEPEST EXISTING NATURAL SLOPE ON-SITE = 2.0% TO 3.0%
- 2) MAXIMUM VERTICAL DEPTH OF CUT = 1'
- 3) MAXIMUM VERTICAL DEPTH OF FILL = 2'
- 4) AVERAGE DEPTH OF CUT = 0.03'
- 5) AVERAGE DEPTH OF FILL = 0.01'
- 6) TOTAL AREA NEW IMPERVIOUS SURFACE (SIDEWALK AND PARKING) = 24,828 SQ. FT.

EARTHWORK:

CUT = 150 C.Y.

FILL = 625 C.Y.

IMPORT = 475 C.Y.

NOTE:

EARTHWORK QUANTITIES ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY.

OWNER'S CERTIFICATE

I (WE) HEREBY CERTIFY THAT A REGISTERED SOILS ENGINEER OR GEOLOGIST HAS BEEN OR WILL BE RETAINED TO SUPERVISE OVER ALL GRADING ACTIVITY AND ADVISE ON THE COMPACTION AND STABILITY OF THE SITE.

Charles E. Badger DATE: *Oct 25, 02*
CHARLES E. BADGER

Sue K. Badger DATE: *Oct 25, 02*
SUE K. BADGER

P.O. BOX 830
RANCHO SANTA FE, CA 92067
TELEPHONE: (760) 756-1402

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT. I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 67703 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 CITY OF ENCINITAS IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

BY: *Rodney D. Lubojasky* DATE: *10-23-02*
RODNEY D. LUBOJASKY
R.C.E. 62134 EXP. 9/30/05



SOILS ENGINEER'S CERTIFICATE

I KEVIN M. JORDAN, A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOIL MECHANICS, HEREBY CERTIFY THAT A SAMPLING AND STUDY OF THE SOIL CONDITIONS PREVALENT WITHIN THIS SITE WAS MADE BY ME OR UNDER MY DIRECTION BETWEEN THE DATES JULY 2000 AND AUGUST 2000. ONE COMPLETE COPY OF THE SOILS REPORT COMPILED FROM THIS STUDY WITH MY RECOMMENDATIONS, HAS BEEN SUBMITTED TO THE OFFICE OF THE CITY ENGINEER. FURTHERMORE, I HAVE REVIEWED THESE GRADING PLANS AND CERTIFY THAT THE RECOMMENDATIONS INCLUDED IN THE SOILS REPORT FOR THIS PROJECT HAVE BEEN INCORPORATED IN THE GRADING PLANS AND SPECIFICATIONS.

JORDAN ENGINEERS, INC. 600 S. ANDREASEN DRIVE ESCONDIDO, CA 92029 (760) 933-2626
TERRAPACIFIC CONSULTANTS, INC. (FKA JORDAN ENG'RS) 12245 WORLD TRADE DR. #6 SAN DIEGO, CA 92118 (858) 521-1190

Kevin M. Jordan DATE: *10-24-02*
KEVIN M. JORDAN
GE02286 Exp. 06/30/04
Professional Engineer Seal for Kevin M. Jordan, No. 2285, Exp. 06/30/04, State of California.

LEGAL DESCRIPTION

ALL THAT PORTION OF BLOCK 13 IN COLONY OF OLIVENHAIN IN THE CITY OF ENCINITAS, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 326, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JULY 8, 1885, TOGETHER WITH THAT PORTION OF THE WESTERLY HALF OF "E" STREET, AS VACATED AND CLOSED TO PUBLIC USE, BY RESOLUTION RECORDED MARCH 4, 1915 IN BOOK 36, PAGE 123 OF THE SUPERVISORS RECORDS ADJOINING SAID BLOCK 13 ON THE EAST.

EXCEPTING THEREFROM THAT PORTION LYING SOUTHWERTERLY OF A LINE DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE CENTER LINE OF "D" STREET WITH THE CENTER LINE OF THIRD STREET AS SHOWN ON THE MAP OF SAID COLONY OF OLIVENHAIN; THENCE ALONG SAID CENTER LINE OF "D" STREET, NORTH 18°30'20" EAST 373.69 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 28°28' EAST 324.88 FEET TO A TANGENT 630.00 FOOT RADIUS CURBE CONCAVE NORTHEASTERLY; THENCE SOUTHEASTERLY ALONG SAID CURVE TO A POINT IN THE CENTER LINE OF SAID "E" STREET, DISTANT THEREON NORTH 18°30'00" EAST 34.56 FEET FROM SAID CENTER LINE OF THIRD STREET.

ALSO EXCEPTING THERFROM THE NORTHWESTERLY 173.90 FEET. (MEASURED ALONG THE NORTHEASTERLY LINE).

A.P.N.: 259-191-03

SITE ADDRESS NORTHERLY OF RANCHO SANTA FE ROAD, AT CITY OF ENCINITAS, CALIFORNIA, BOUNDARY.

SOURCE OF TOPOGRAPHY

ANALYTICAL PHOTOGRAMMETRIC SURVEYS, INC.
647 MAIN STREET, SUITE 1A
RIVERSIDE, CA 92501
PHONE: (909) 686-5103

NOTE:

THIS IS NOT A BOUNDARY SURVEY. BOUNDARY WAS COMPILED FROM RECORD DATA.

WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THIS PLAN AND THE SPECIFICATIONS AND THE REGIONAL STANDARD DRAWINGS OF THE COUNTY OF SAN DIEGO.

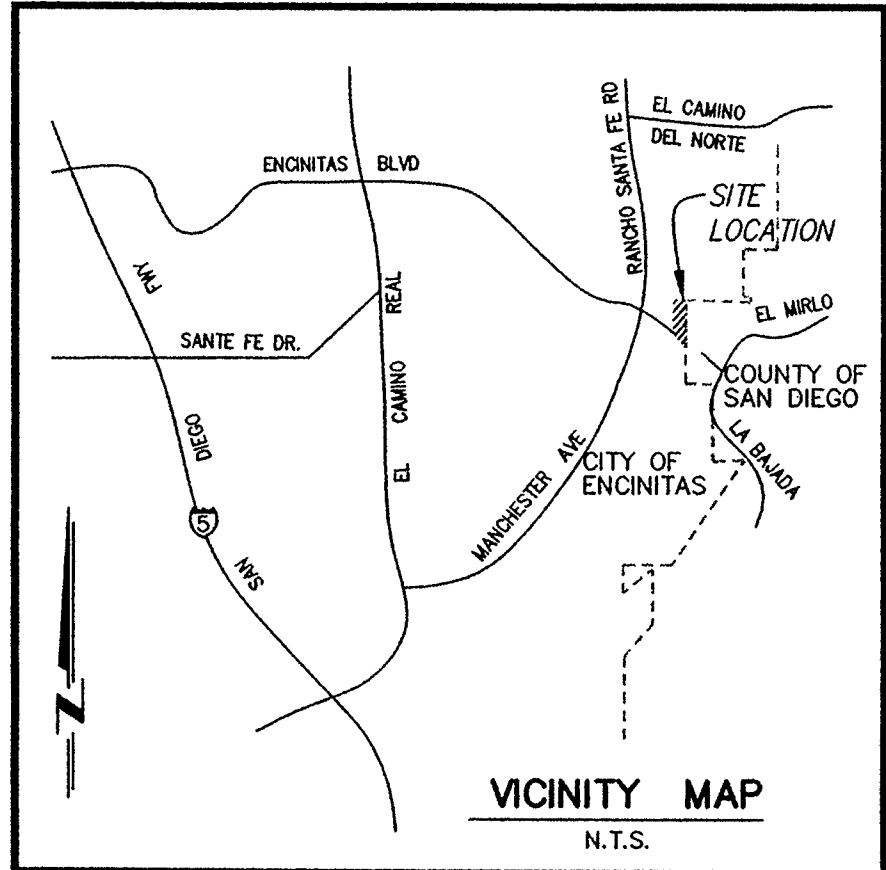
STANDARD SPECIFICATIONS STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2000 EDITION) INCLUDING THE 2000 REGIONAL SUPPLEMENTAL AMENDMENTS.

S.D.R.S.D. = SAN DIEGO REGIONAL STANDARD DRAWINGS

ITEM	S.D.R.S.D. NO.	SYMBOL
PROPOSED DRAINAGE SWALE MIN. 1%		
GRAVEL FILLED TRENCH		
RIP RAP ENERGY DISSIPATOR	D-40	
AC PAVEMENT 3" OVER 6" CLASS II AB, TI=5.5		
CURB AND GUTTER	G-2	
CURB	G-1	
STRAW WATTLES		
GRASS LINED SWALE		
GRAVEL BAGS		
PRIVATE SEWER LATERAL (SIZE PER PLAN)		
PRIVATE SEWER MANHOLE		
PRIVATE SEWER CLEANOUT		
NEW 2" WATER SERVICE W/ METER		
DRAINAGE SWALE		
"NO PARKING - FIRE LANE" SIGN (IN LIEU OF SIGNS, RED STRIPING OF CURBS WILL BE ACCEPTED PER CITY OF ENCINITAS FIRE DEPARTMENT STANDARDS.)		
TRENCH AND RESURFACE PER CITY OF ENCINITAS STD. DWG.		

LEGEND

PROPERTY LINE	
EXISTING CONTOUR	
PROPOSED CONTOURS	



DUDEK
& ASSOCIATES
A California Corporation
Corporate Office: 760.942.5147
605 Third Street Fax 760.942.9976
Encinitas, CA 92024

16840
16840 16840 16840 16840 16840

REVISIONS	APPROVED	DATE	REFERENCES	DATE	BENCHMARK	SCALE		DRAWN BY	CHECKED BY	APPROVALS	CITY OF ENCINITAS ENGINEERING DEPARTMENT	DRAWING NO.
1. REVISE SHT. 2	<i>M.M.L.</i>	<i>2/13/03</i>			DESCRIPTION: R0458 168+10.94 - 2 1/2 " BRASS DISK "SD CO ENG"	HORIZONTAL 1"=30'		<i>MLG</i>	<i>RDL</i>	RECOMMENDED BY: <i>M.M.L.</i> DATE: <i>11/26/02</i>	GRADING AND EROSION CONTROL PLAN FOR:	BADGER SITE
2. ADD SHT. 3	<i>M.M.L.</i>	<i>2/17/03</i>			LOCATION: IN WELL MONUMENT AT CENTERLINE POC IN INTERSECTION OF MANCHESTER AVE. AND ENCINITAS BL. SAN DIEGO COUNTY	VERTICAL N/A		<i>RDL</i>	<i>RDL</i>	APPROVED BY: <i>R.D.L.</i> DATE: <i>11/27/02</i>	DUEK PROJECT NO. 2684	
					RECORD ONLY - SAN DIEGO COUNTY ELEVATION: 75.11 DATUM: NGVD 29						PC 00-132	SHEET 1 OF 2

605 THIRD STREET, ENCINITAS, CA. 92024
TEL: 760 942 5147 FAX: 760 942 9976
DUDEK & ASSOCIATES

Badger D.C.D.C.

UTILITY PLAN

CAUTION: HIGH PRESSURE GAS

WARNING: YOU ARE EXCAVATING IN THE VICINITY OF AN UNDERGROUND GAS PIPELINE. THE PIPELINE IS OWNED BY SAN DIEGO GAS & ELECTRIC AND OPERATED IN COMPLIANCE WITH FEDERAL AND STATE SAFETY REGULATIONS. SDG&E STANDBY PERSONNEL ARE RESPONSIBLE FOR ENFORCING THE SAFETY PRECAUTIONS BELOW, AND ARE AUTHORIZED TO HALT THE EXCAVATION IF THESE PRECAUTIONS ARE NOT FOLLOWED:

- [A] THE EXCAVATOR SHALL CAREFULLY HAND DIG WITHIN 2-FOOT OF THE NATURAL GAS PIPELINE.
- [B] NO POWER OPERATED EQUIPMENT SHALL BE ALLOWED WITHIN 2-FOOT OF ANY PORTION OF THE NATURAL GAS PIPELINE.
- [C] IF ANY CONTACT OF THE PIPE IS MADE, EVEN IF THERE IS NO VISIBLE DAMAGE, THE CONTACT AREA MUST BE IMMEDIATELY INSPECTED BY AN SDG&E WELDING INSPECTOR. THIS MAY SIGNIFICANTLY DELAY YOUR JOB IF SHORING OR OTHER SAFETY PRECAUTIONS ARE NEEDED TO ALLOW THE INSPECTION.
- [D] TO ARRANGE FOR GAS TRANSMISSION MARK OUT AND STANDBY, CALL USA (800) 227-2600.

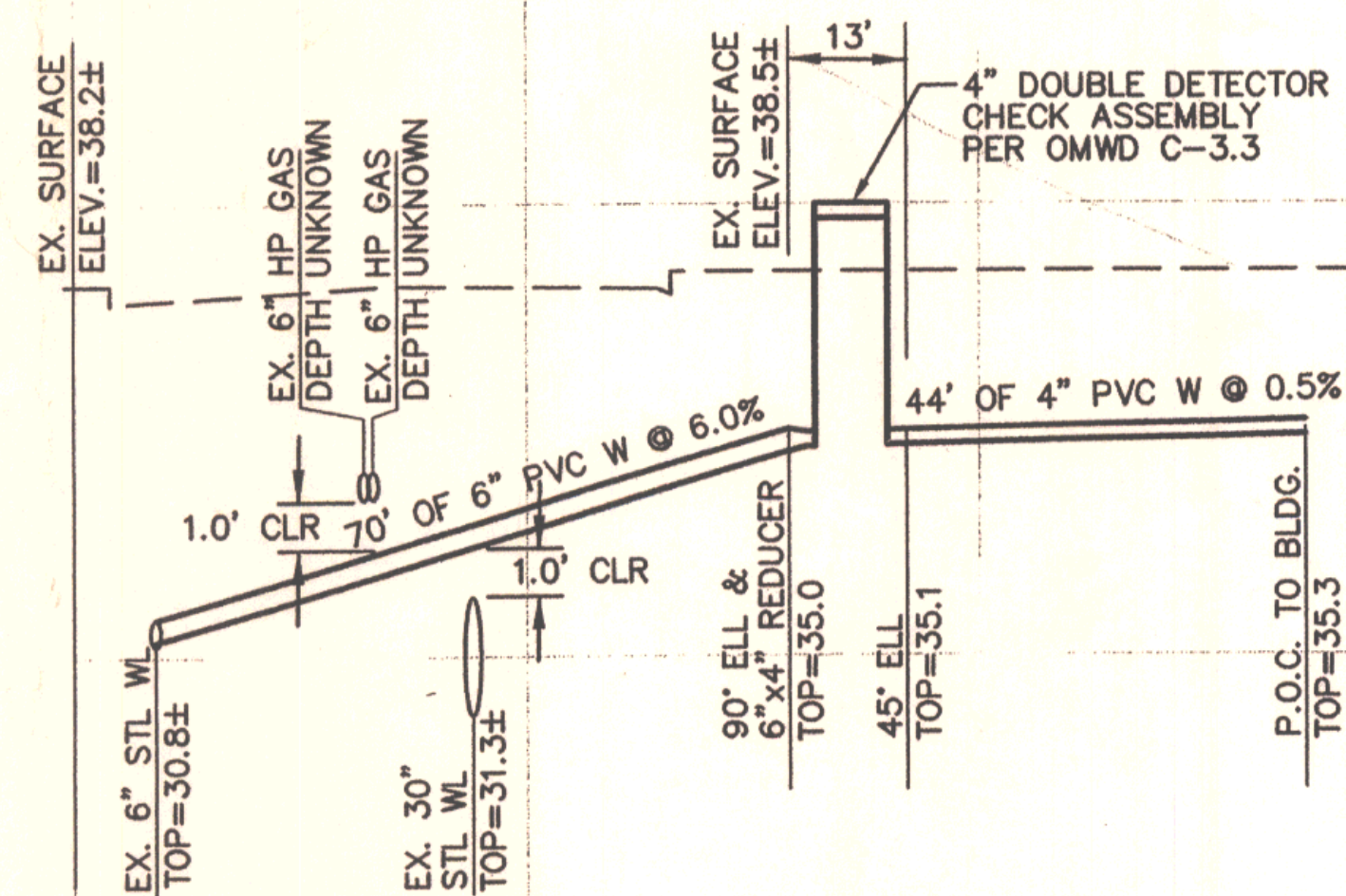
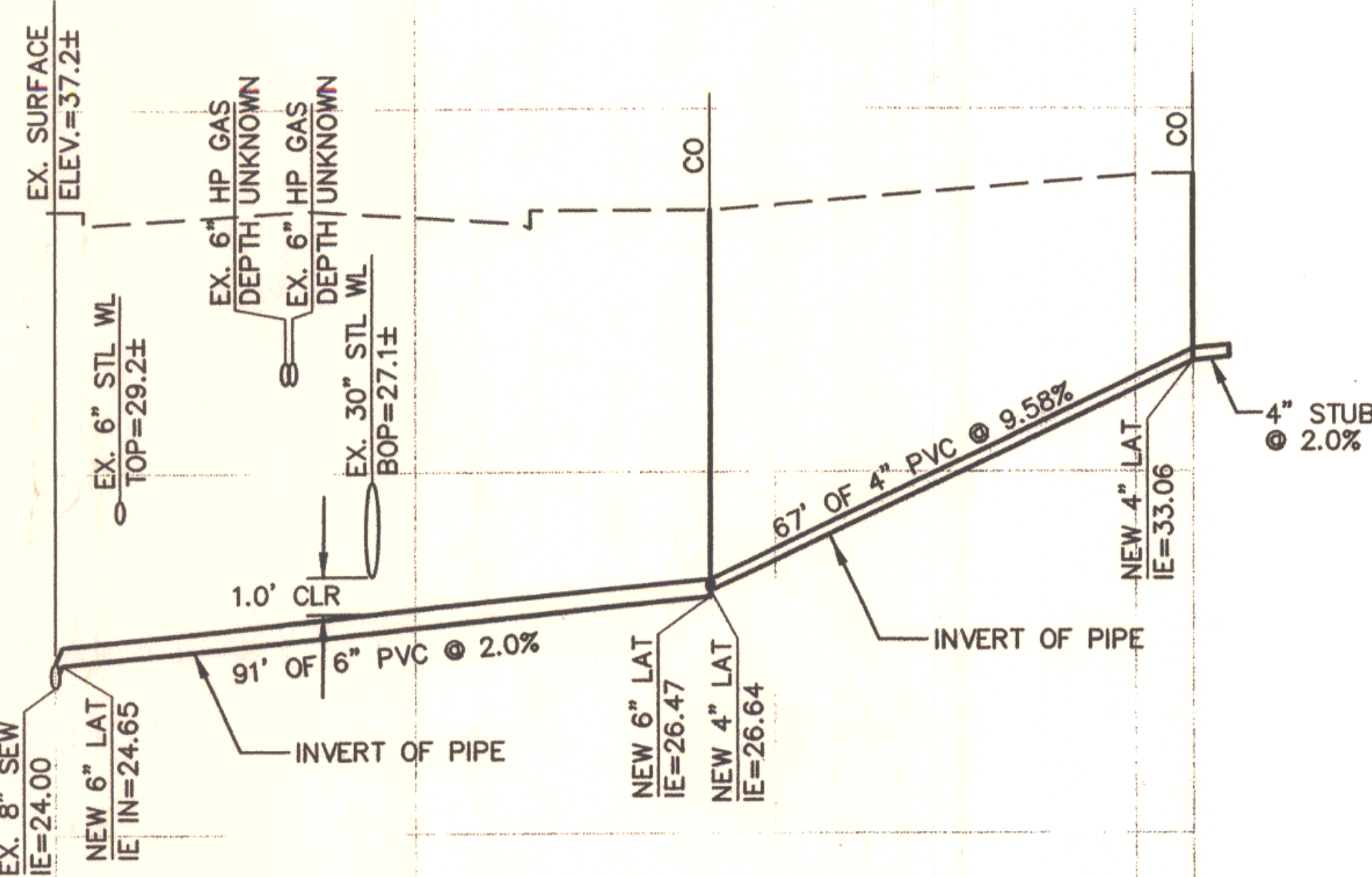
CONNECT NEW 6" PVC FIRE LINE
W/ 6" GATE VALVE
TO EX. 6" STEEL WATER MAIN
USING FULL WRAP SADDLE
WET TAP CONNECTION
PER OMWD SPECIFICATIONS

CONNECT NEW 6" PVC LATERAL
TO EXIST. 8" VCP SEWER MAIN
USING STANDARD CUT-IN SADDLE
CONNECTION PER SDRS S-13

4" DOUBLE DETECTOR
CHECK ASSEMBLY
PER OMWD C-3.3
FIRE DEPT.
CONNECTION

SEWER LATERAL PROFILE

SCALE: 1"=20' HORIZ
1"=4' VERT



WATER (FIRELINE) PROFILE

SCALE: 1"=20' HORIZ
1"=4' VERT

CAUTION:

LOCATIONS OF EXISTING UTILITIES ARE BASED ON A SEARCH OF AVAILABLE RECORDS AND ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF THE EXISTING UTILITIES BEFORE EXCAVATION. POT-HOLE IF NECESSARY. CONTRACTOR IS RESPONSIBLE TO LOCATE, PROTECT, AND MAINTAIN ALL EXISTING UTILITY LINES IN SERVICE. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (800-422-4133) AND FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING VALVES, SUBSTRUCTURES, ELECTRICAL CONDUIT, COMMUNICATIONS CABLES, FIBER-OPTIC LINES, GAS LINES, AND ANY OTHER STRUCTURES BEFORE EXCAVATION. CONTRACTOR SHALL REPAIR OR REPLACE ANY FACILITIES DAMAGED DURING EXCAVATION AT NO EXTRA COST.

ENCINITAS FIRE DEPARTMENT

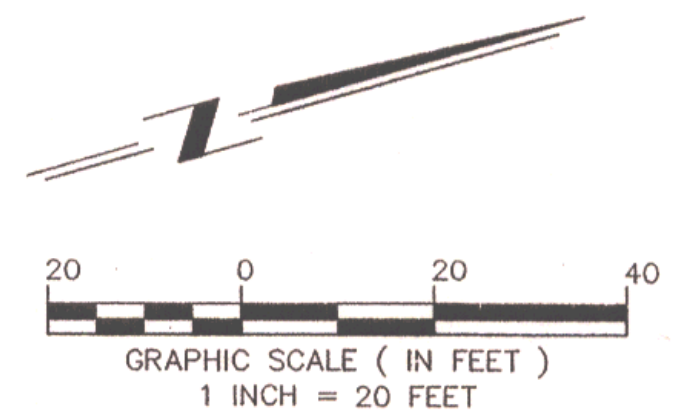
OLIVENHAIN MUNICIPAL WATER DISTRICT

BY: *Mike Castaneda* DATE: 7/11/03

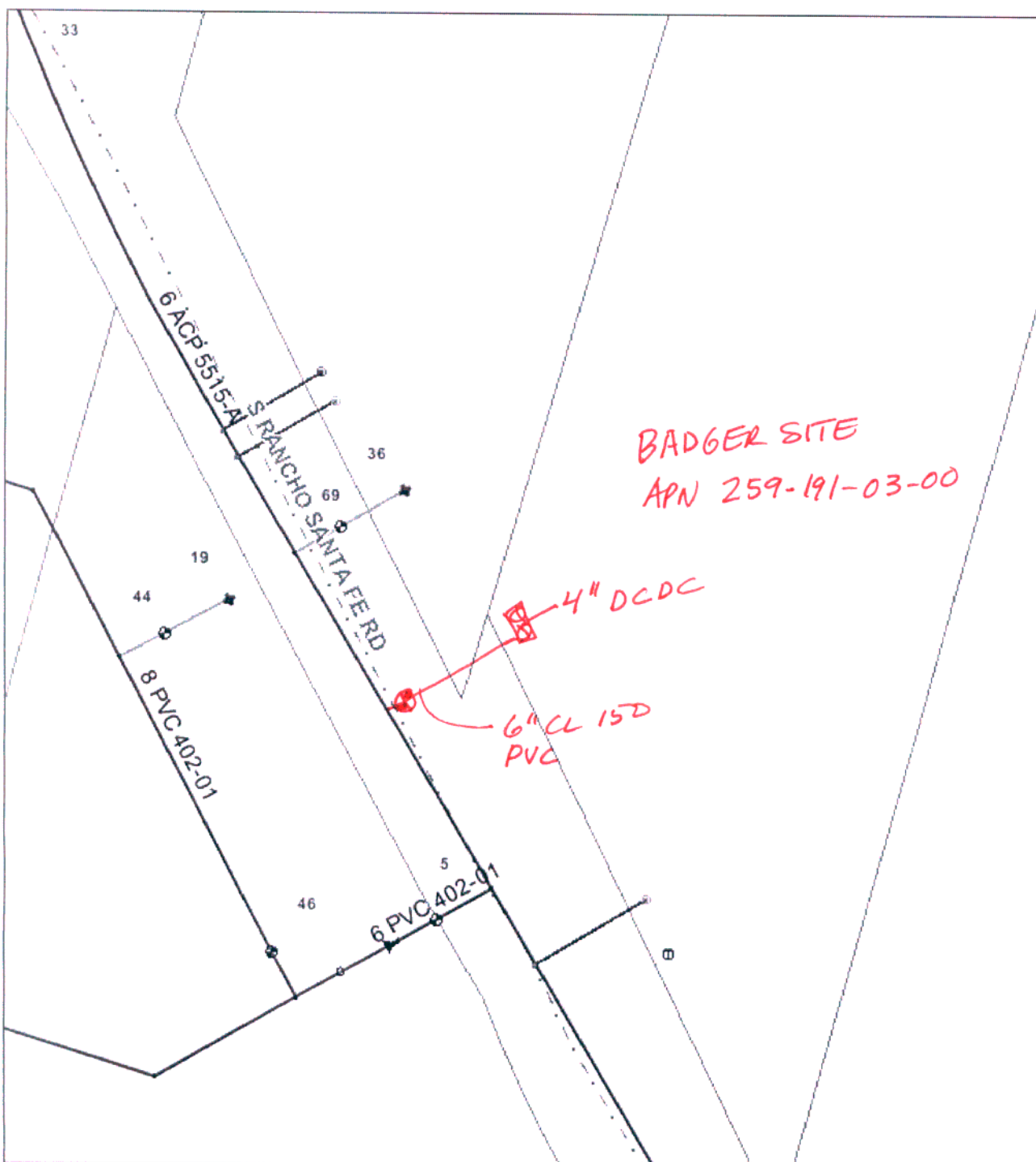
BY: *James A. Turpin* DATE: 7.11.03
APPROVAL EXPIRES 2 YEARS FROM DATE SIGNED

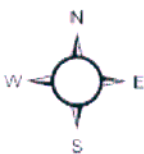



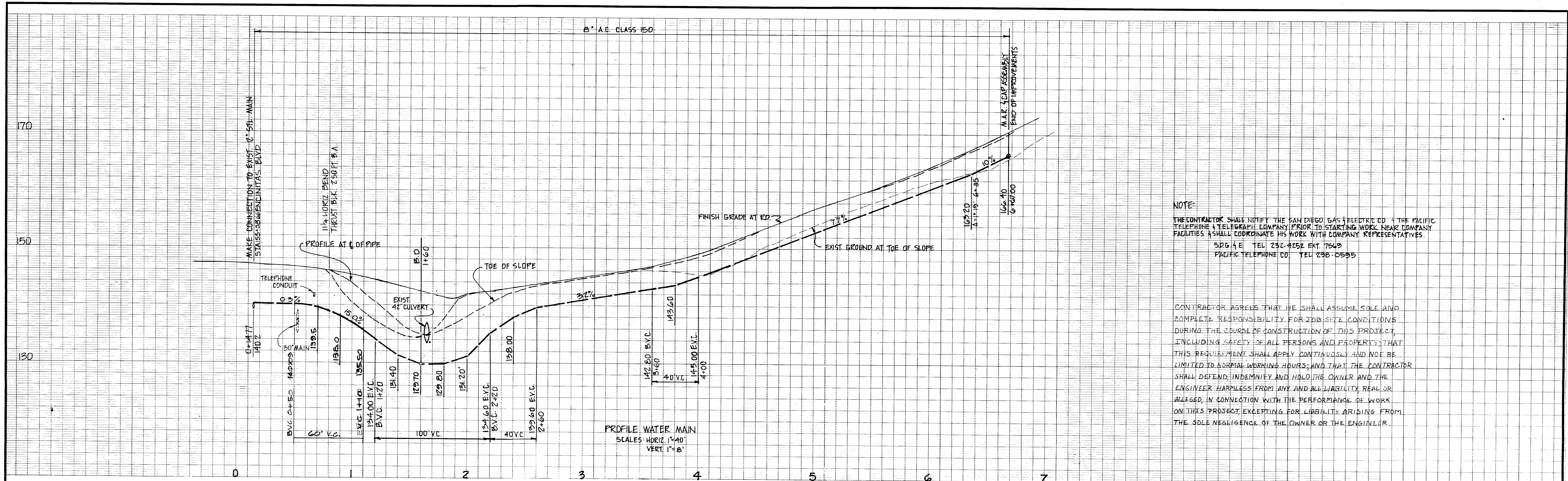
NEW SHEET



REVISIONS	APPROVED	DATE	REFERENCES	DATE	BENCHMARK	SCALE	PLANS PREPARED UNDER THE SUPERVISION OF	RECOMMENDED	APPROVED	CITY OF ENCINITAS ENGINEERING DEPARTMENT	DRAWING NO.
					DESCRIPTION: R0458 168+10.94 - 2 1/2" BRASS DISK "SD CO ENG" LOCATION: IN WELL MONUMENT AT CENTERLINE POC IN INTERSECTION OF MANCHESTER AVE. AND ENCINITAS BLVD. RECORD FROM: SAN DIEGO COUNTY ELEVATION: 75.11 DATUM: NGVD 29	HORIZONTAL 1"=20' VERTICAL N/A	DATE: 7.11.03 R.C.E. NO. 57695 EXP. 12-31-05	DATE: 7/17/03		UTILITY PLAN FOR: BADGER SITE DUDEK PROJECT NO. 2684 PC 00-132	7389-G SHEET 3 OF 3



Scale: 1"=75 feet	Title:	Date: 6/28/2011		
<p>This map represents a visual display of related geographic information. Data provided hereon is not a guarantee of actual field conditions. To be sure of complete accuracy, please contact OMWD staff for the most up-to-date information.</p>				



NOTE:
THE CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC CO. & THE PACIFIC TELEPHONE & TELEGRAPH COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES & SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
S.D.G. & E. TEL 232-4252 EXT. 7540
PACIFIC TELEPHONE CO. TEL 238-0555

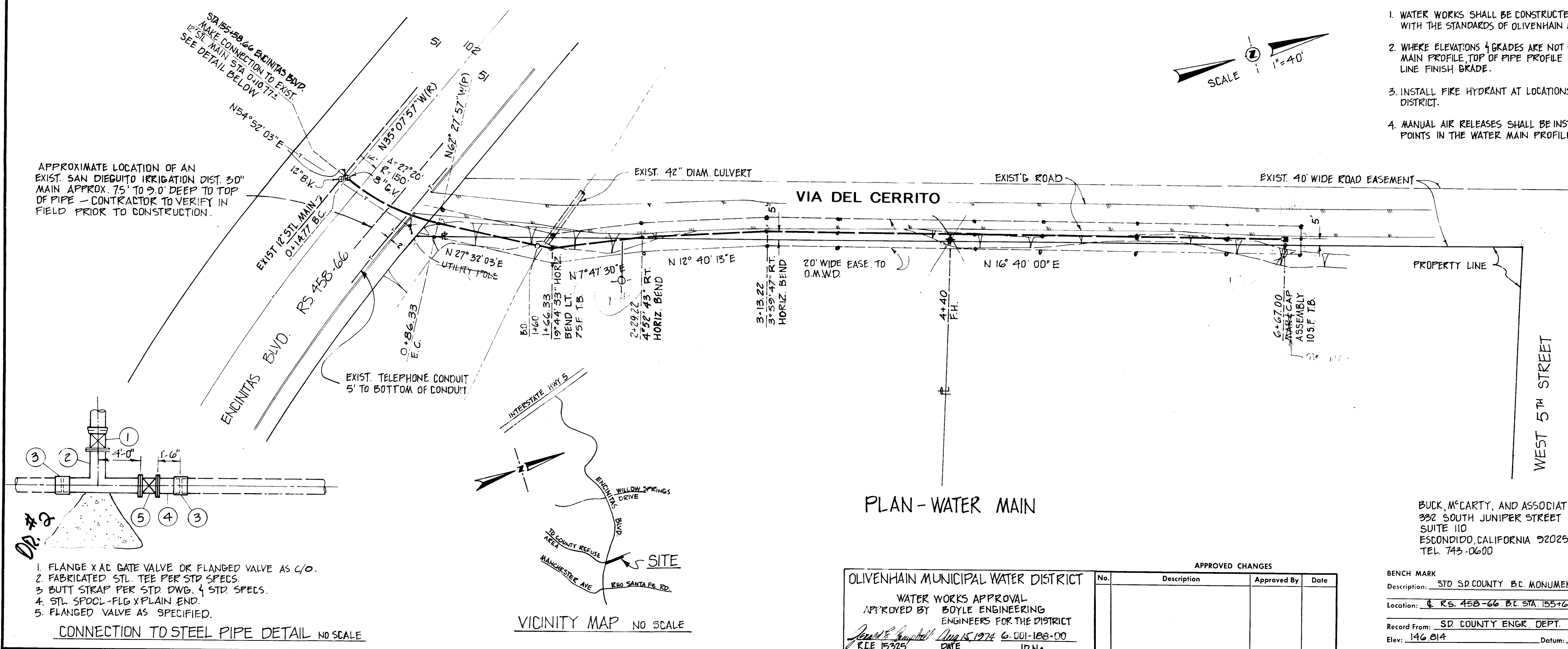
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

NOTES

1. WATER WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF OLIVENHAIN MUNICIPAL WATER DISTRICT.
2. WHERE ELEVATIONS & GRADES ARE NOT SHOWN ON THE WATER MAIN PROFILE, TOP OF PIPE PROFILE IS 48" BELOW CENTER-LINE FINISH GRADE.
3. INSTALL FIRE HYDRANT AT LOCATIONS REQUIRED BY FIRE DISTRICT.
4. MANUAL AIR RELEASES SHALL BE INSTALLED AT ALL HIGH POINTS IN THE WATER MAIN PROFILE.
5. UNLESS OTHERWISE NOTED, CONNECTIONS TO EXISTING MAINS SHALL BE MADE DRY THE TIME & DURATION OF SHUTDOWNS OF EXISTING MAINS SHALL BE SUBJECT TO APPROVAL BY THE DISTRICT.
6. CONTRACTORS SHALL ACQUIRE A TRENCHING PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR ALL TRENCH WORK WHERE FACILITIES ARE TO BE CONSTRUCTED FOR OR TO BE TURNED OVER TO THE OLIVENHAIN MUNICIPAL WATER DISTRICT.
7. CONTRACTORS SHALL HAVE A COPY OF THE STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.

LEGEND

- CONSTRUCTION OF ASBESTOS CEMENT WATER MAINS, CL 150. — 8" A.C.P. —
CONSTRUCTION OF GATE OR BUTTERFLY VALVE ASSEMBLY. — 8" B.V. OR 8" B.V. —
CONSTRUCTION OF FIRE HYDRANT ASSEMBLY. — F.H. —
CONSTRUCTION OF BLOWOFF ASSEMBLY. — B.O. —
CONSTRUCTION OF MANUAL AIR RELEASE ASSEMBLY. — M.A.R. —
CONSTRUCTION OF CAP ASSEMBLY. — —



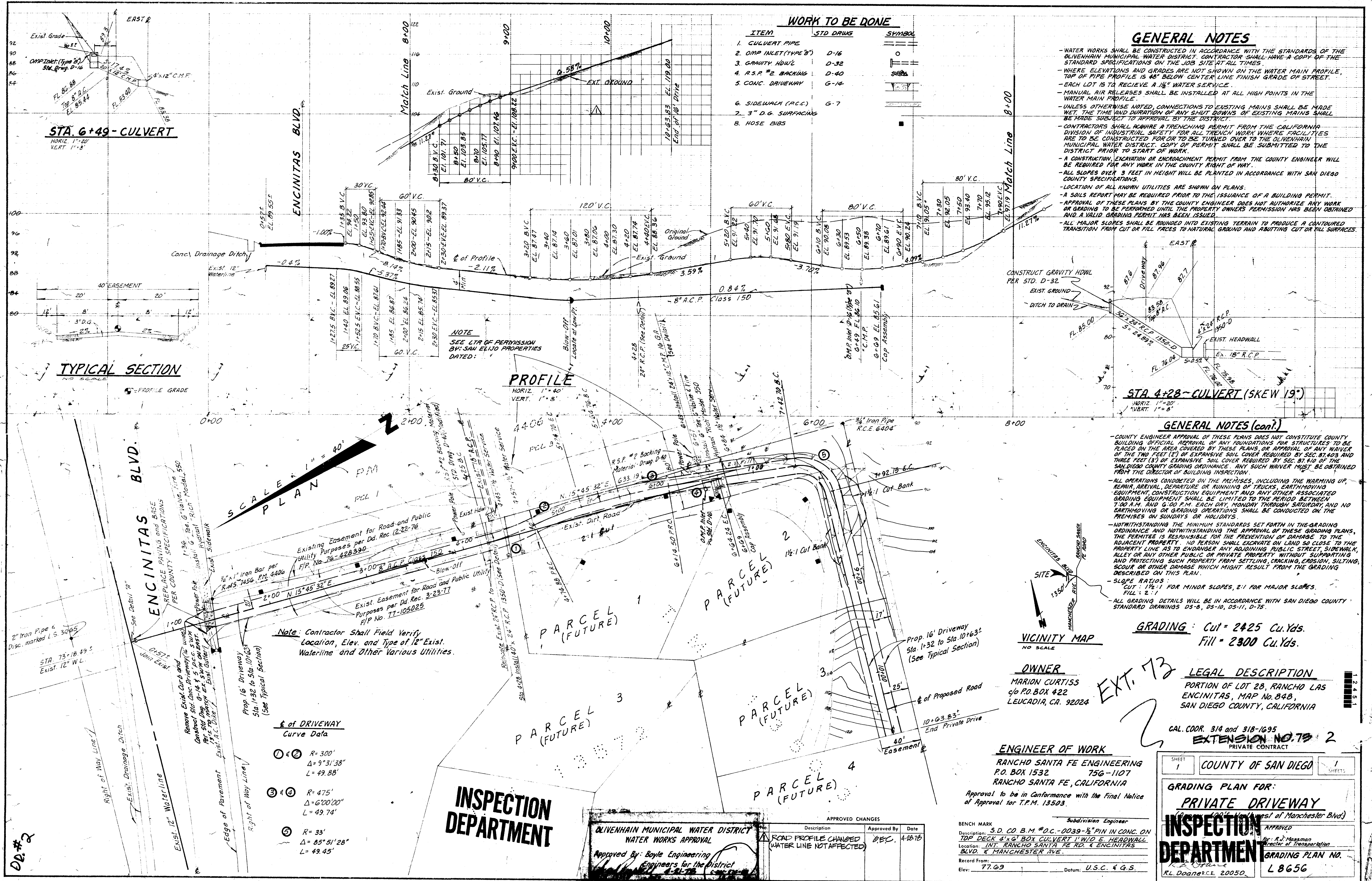
PLAN - WATER MAIN

APPROVED CHANGES			
No.	Description	Approved By	Date
1	WATER WORKS APPROVAL	BOYLE ENGINEERING	ENGINEERS FOR THE DISTRICT
2	APPROVED BY	BOYLE ENGINEERING	ENGINEERS FOR THE DISTRICT
3	APPROVED BY	BOYLE ENGINEERING	ENGINEERS FOR THE DISTRICT
4	APPROVED BY	BOYLE ENGINEERING	ENGINEERS FOR THE DISTRICT
5	APPROVED BY	BOYLE ENGINEERING	ENGINEERS FOR THE DISTRICT

BUCK, McCARTY, AND ASSOCIATES
332 SOUTH JUNIPER STREET
SUITE 110
ESCONDIDO, CALIFORNIA 92025
TEL 743-0600

BENCH MARK	
Description	Date
STD. S.D. COUNTY B.C. MONUMENT	
Location: RS. 458-66 BL STA. 155+64.22	
Record From: S.D. COUNTY ENGR. DEPT.	
Elev: 146.014	Datum:

PRIVATE CONTRACT	
SHEET	1
OLIVENHAIN MUNICIPAL WATER DISTRICT	
PLANS FOR THE IMPROVEMENT OF:	
EXTENSION No. 44	
Engineer of work	Checked by
John E. Hawkins	
Record	Approval date
R.C.E. 22491	



WORK TO BE DONE

ITEM	STD DRAW	SYMBOL
1. CULVERT PIPE		
2. OMP INLET (TYPE B)	D-16	
3. GRAVITY HDWL	D-32	
4. R.S.P. #2 BACKING	D-40	
5. CONC. DRIVEWAY	G-14	
6. SIDEWALK (A.C.C.)	G-7	
7. 3" D.G. SURFACING		
8. HOSE BIBS		

GENERAL NOTES

- WATER WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT. CONTRACTOR SHALL HAVE A COPY OF THE STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
- WHERE ELEVATIONS AND GRADES ARE NOT SHOWN ON THE WATER MAIN PROFILE, TOP OF PIPE PROFILE IS 48" BELOW CENTER LINE FINISH GRADE OF STREET.
- EACH LOT IS TO RECEIVE A 1/4" WATER SERVICE.
- MANUAL AIR RELEASES SHALL BE INSTALLED AT ALL HIGH POINTS IN THE WATER MAIN PROFILE.
- UNLESS OTHERWISE NOTED, CONNECTIONS TO EXISTING MAINS SHALL BE MADE WET. THE TIME AND DURATION OF ANY SHUT DOWNS OF EXISTING MAINS SHALL BE MADE SUBJECT TO APPROVAL BY THE DISTRICT.
- CONTRACTORS SHALL ACQUIRE A TRENCHING PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR ALL TRENCH WORK WHERE FACILITIES ARE TO BE CONSTRUCTED FOR OR TO BE TURNED OVER TO THE OLIVENHAIN MUNICIPAL WATER DISTRICT. COPY OF PERMIT SHALL BE SUBMITTED TO THE DISTRICT PRIOR TO START OF WORK.
- A CONSTRUCTION, EXCAVATION OR ENCROACHMENT PERMIT FROM THE COUNTY ENGINEER WILL BE REQUIRED FOR ANY WORK IN THE COUNTY RIGHT OF WAY.
- ALL SLOPES OVER 3 FEET IN HEIGHT WILL BE PLANTED IN ACCORDANCE WITH SAN DIEGO COUNTY SPECIFICATIONS.
- LOCATION OF ALL KNOWN UTILITIES ARE SHOWN ON PLANS.
- A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
- APPROVAL OF THESE PLANS BY THE COUNTY ENGINEER DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED AND A VALID GRADING PERMIT HAS BEEN ISSUED.
- ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTINUED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ADJUTING CUT OR FILL SURFACES.

GENERAL NOTES (cont.)

- COUNTY ENGINEER APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATIONS OR STRUCTURES TO BE PLACED ON THE AREA COVERED BY THESE PLANS, OR APPROVAL OF ANY WAIVER OF THE TWO FEET (2') OF EXPANSIVE SOIL COVER REQUIRED BY SEC. 87.403 AND THREE FEET (3') OF EXPANSIVE SOIL COVER REQUIRED BY SEC. 87.410 OF THE SAN DIEGO CITY GRADING ORDINANCE. ANY SUCH WAIVER MUST BE OBTAINED FROM THE DIRECTOR OF BUILDING INSPECTION.
- 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 LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 5:00 P.M. EACH DAY, MONDAY THROUGH SATURDAY AND NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SUNDAYS OR HOLIDAYS.
- NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO THE ADJACENT PROPERTY AND LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK, ALLEY OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SLIDING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN.
- SLOPE RATIOS:
CUT: 1 1/2:1 FOR MINOR SLOPES, 2:1 FOR MAJOR SLOPES.
FILL: 2:1
- ALL GRADING DETAILS WILL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARD DRAWINGS D5-8, D5-10, D5-11, D-75.

GRADING: Cut = 2425 Cu. Yds.
Fill = 2300 Cu. Yds.

OWNER

MARION CURTISS
c/o P.O. BOX 422
LEUCADIA, CA. 92024

LEGAL DESCRIPTION

PORTION OF LOT 28, RANCHO LAS ENCINITAS, MAP No. 848, SAN DIEGO COUNTY, CALIFORNIA

ENGINEER OF WORK

RANCHO SANTA FE ENGINEERING
P.O. BOX 1532 756-1107
RANCHO SANTA FE, CALIFORNIA

Approval to be in Conformance with the Final Notice of Approval for T.P.M. 13503.

BENCH MARK
Description: S.D. CO. B.M. #D.C.-0039-1/2" PIN IN CONC. ON TOP DECK 4'x6' BOX CULVERT 1' W/O E. HEADWALL
Location: INT. RANCHO SANTA FE RD. & ENCINITAS BLVD. & MANCHESTER AVE.
Record From: Elev: 77.63 Datum: U.S.C. & G.S.

SHEET 1		COUNTY OF SAN DIEGO		1 SHEETS	
GRADING PLAN FOR:					
PRIVATE DRIVEWAY					
(1/4" = 10' Vertical, 1" = 10' Horizontal)					
APPROVED					
For: R.J. Massman Director of Transportation					
GRADING PLAN NO. L 8656					

INSPECTION DEPARTMENT

OLIVENHAIN MUNICIPAL WATER DISTRICT
WATER WORKS APPROVAL
Approved By: Boyle Engineering
Engineers for the District

APPROVED CHANGES	Description	Approved By	Date
1	ROAD PROFILE CHANGED (WATER LINE NOT AFFECTED)	DEC.	4-18-15

DD.#2

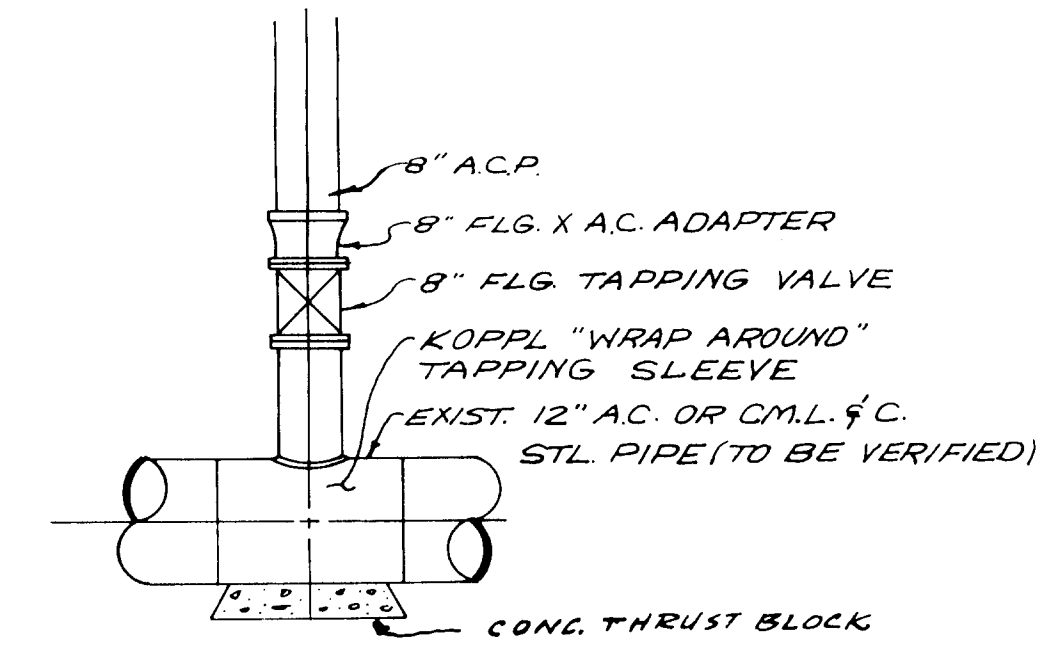
GENERAL NOTES

1. WATER WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF OLIVENHAIN MUNICIPAL WATER DISTRICT. CONTRACTOR SHALL HAVE A COPY OF THE STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
2. WHERE ELEVATIONS AND GRADES ARE NOT SHOWN ON THE WATER MAIN PROFILE, TOP OF PIPE PROFILE IS 40" (INCHES) BELOW FINISH GRADE.
3. EACH LOT TO RECEIVE 1" (INCH) WATER SERVICE.
4. MANUAL AIR RELEASES SHALL BE INSTALLED AT ALL HIGH POINTS IN THE WATER MAIN PROFILE.
5. UNLESS OTHERWISE NOTED, CONNECTIONS TO EXISTING MAIN SHALL BE MADE NET THE TIME AND DURATION OF ANY SHUT DOWN OF EXISTING MAINS SHALL BE MADE SUBJECT TO APPROVAL BY THE DISTRICT.
6. INSTALL FIRE HYDRANTS AT LOCATIONS REQUIRED BY FIRE DISTRICT.
7. CONTRACTORS SHALL ACQUIRE A TRENCHING PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR ALL TRENCH WORK WHERE FACILITIES ARE TO BE CONSTRUCTED FOR OR TO BE TURNED OVER TO THE OLIVENHAIN MUNICIPAL WATER DISTRICT. COPY OF PERMIT SHALL BE SUBMITTED TO THE DISTRICT PRIOR TO START OF WORK.

PROFILE SCALE
HORIZ: 1" = 40'
VERT: 1" = 8'

LEGEND

- CONST. 8" A.C.P. CL. 150 -- CONST. ASBESTOS CEMENT PIPE
- CONSTRUCTION OF TAPPING VALVE
- CONSTRUCTION OF CAP ASSEMBLY
- CONSTRUCTION OF FIRE HYDRANT ASSEMBLY
- FM



DETAIL 'A'
NO SCALE

OWNER

RUPERT L. KEESLER
15415 HIGHLAND VALLEY RD.
ESCONDIDO, CALIFORNIA, 92025

LEGAL DESCRIPTION

PORTION OF BLOCK 18, OF THE COLONY OLIVENHAIN, MAP 326, COUNTY OF SAN DIEGO ASSESSOR'S NO. 259-231-18

12459

BRIAN SMITH ENGINEERS INC.
2656 STATE STREET
CARLSBAD, CA, 92008 (729-8981)

PRIVATE CONTRACT

SHEET 1 OLIVENHAIN M.W.D. IMPROVEMENT DISTRICT 1 1 SHEETS

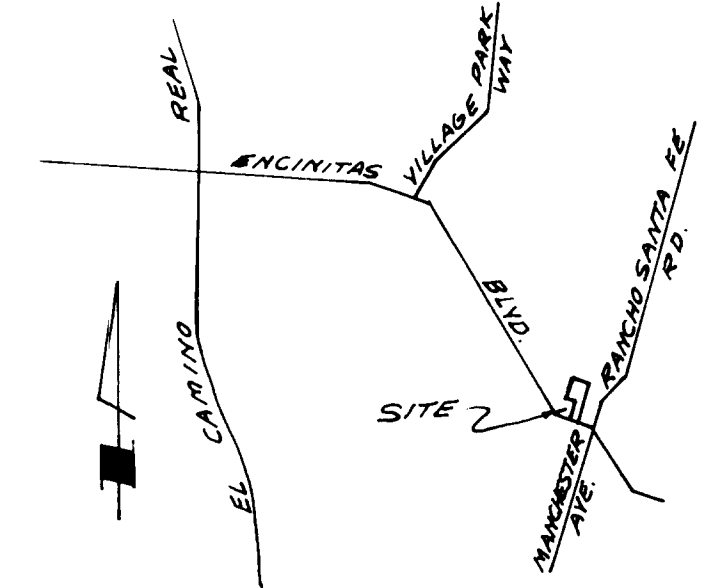
WATER LINE EXTENSION #79
FOR: RUPERT L. KEESLER

Engineer of Work: *Brian Smith* Checked by: T.M.
Approval date:
BRIAN SMITH R.C.E. 138/17

WATER AGENCY		APPROVED CHANGES		
OLIVENHAIN MUNICIPAL WATER DIST.		No.	Description	Approved By
WATER WORKS APPROVAL				Date
Approved By: BOYLE ENGINEERING				
ENGINEERS FOR THE DIST.				
11/11/18				
DATE				

BENCH MARK
Description: SD. CO. B.M. #0.039-1/2" P.I.N. IN CONC. ON TOP DECK 4'x6' BOX CULVERT 1' W. OF E. HDWL.
Location: INT. ENCINITAS BLVD. & RANCHO SANTA FE RD. (STEEL POST)
Record From: R.S. 458-66 (SAN MARCOS RD.)
Elev: 77.690 (B.M. OC 39) Datum: U.S.C. & G.S.

VICINITY MAP

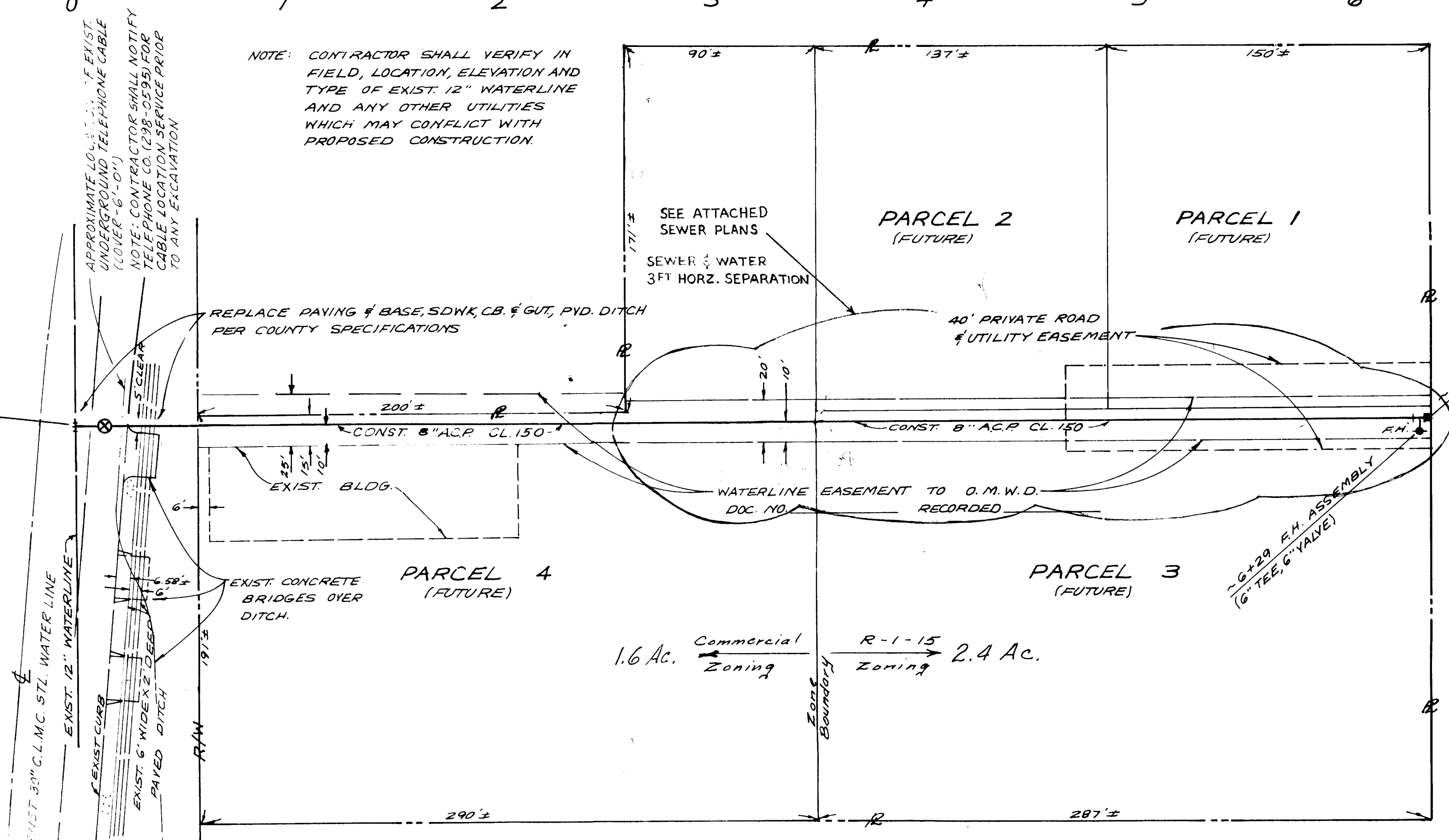


EXT. 79

NOTE: CONTRACTOR SHALL VERIFY IN FIELD, LOCATION, ELEVATION AND TYPE OF EXIST. 12" WATERLINE AND ANY OTHER UTILITIES WHICH MAY CONFLICT WITH PROPOSED CONSTRUCTION.

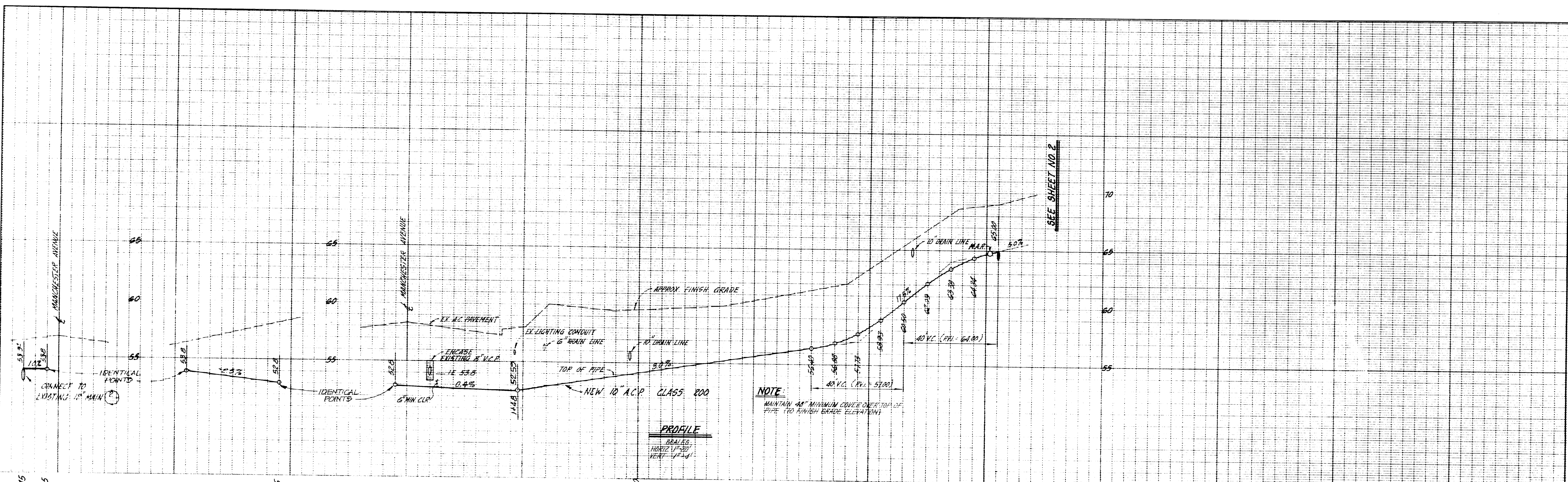
APPROXIMATE LOCATION OF EXIST. UNDERGROUND TELEPHONE CABLE (COVER 6"-8")
NOTE: CONTRACTOR SHALL NOTIFY TELEPHONE CO. (760) 433-0300 FOR CABLE LOCATION PRIOR TO ANY EXCAVATION

ENCINITAS BLVD



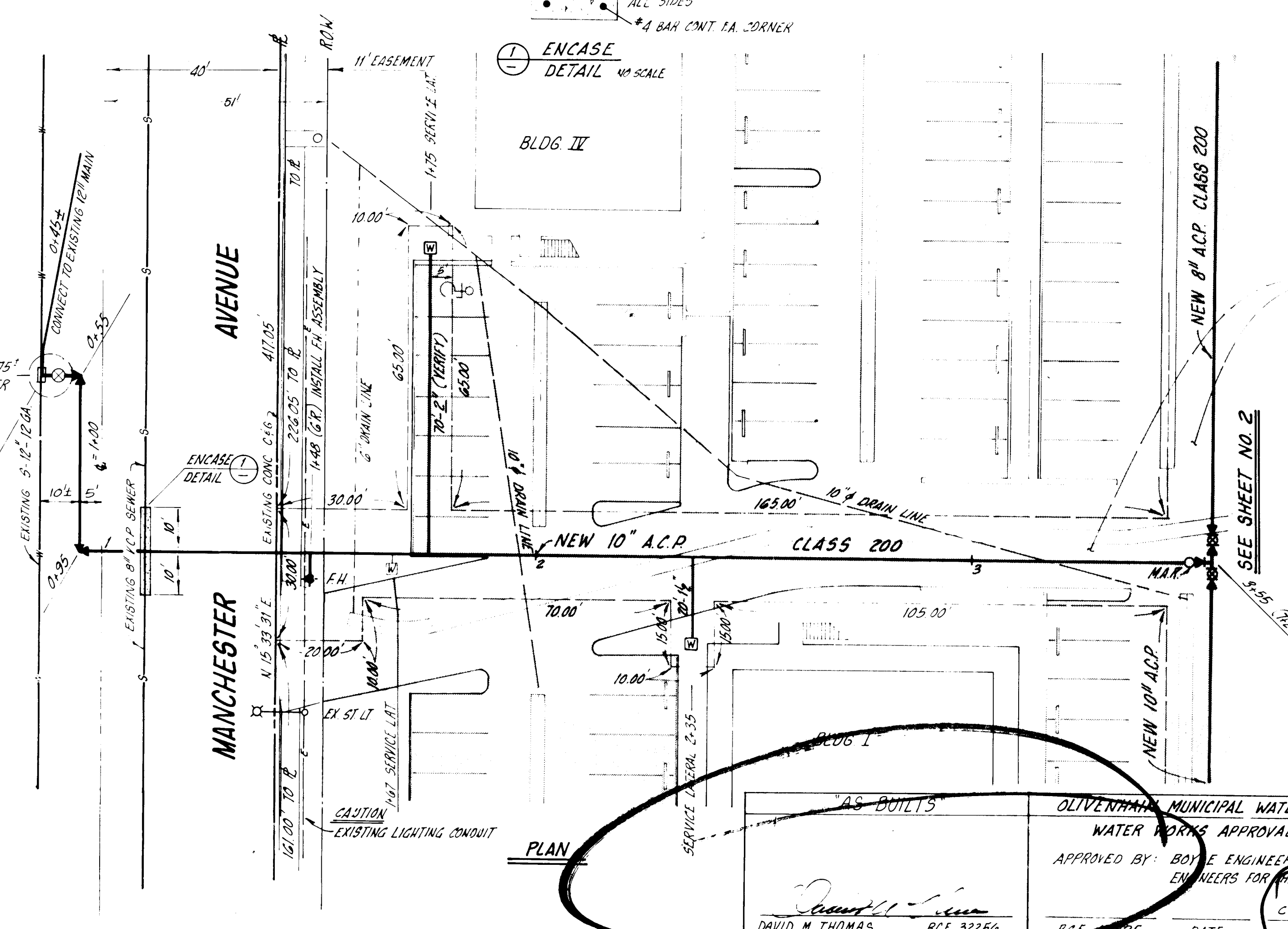
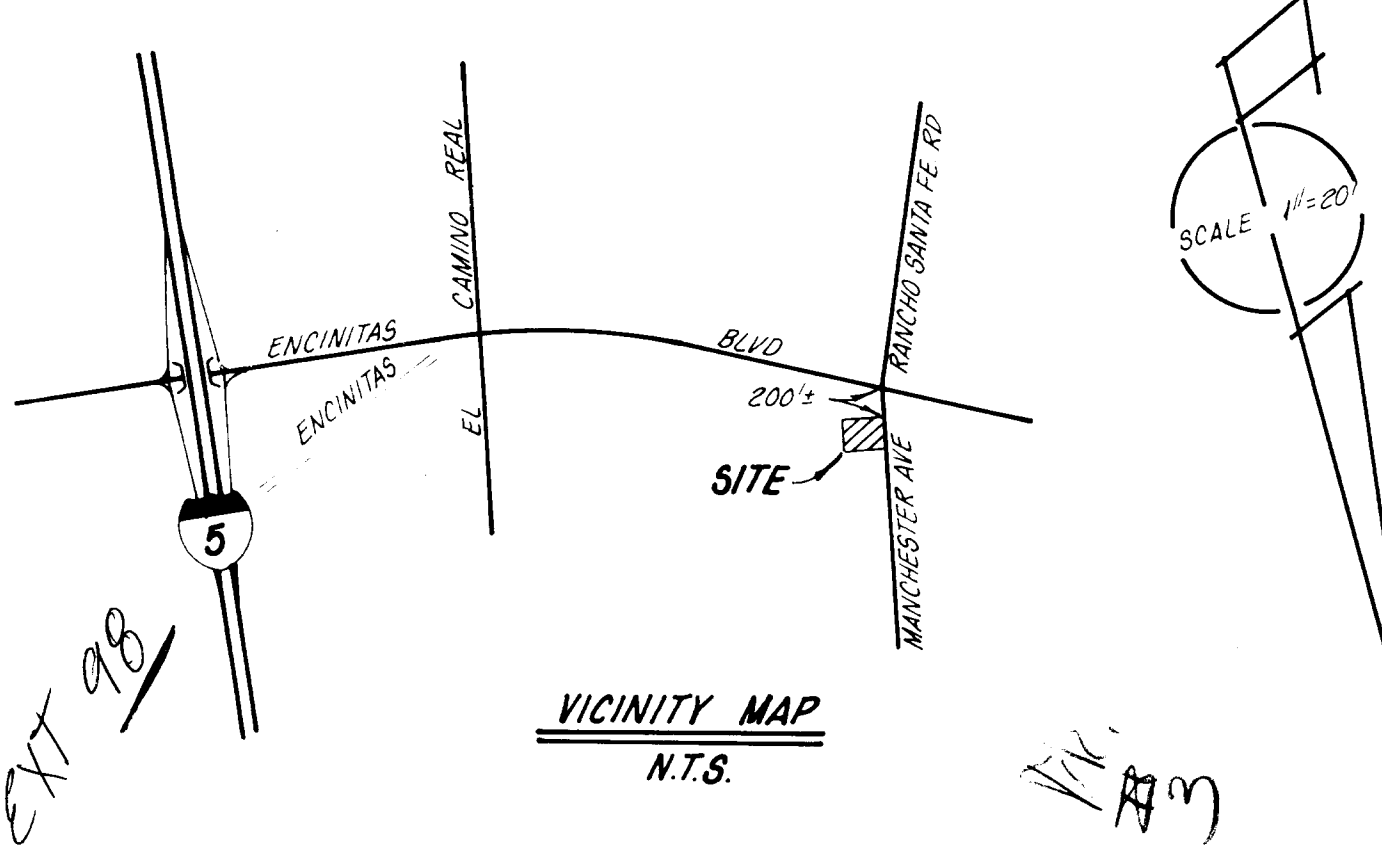
SCALE: 1" = 40'

Dr. #2



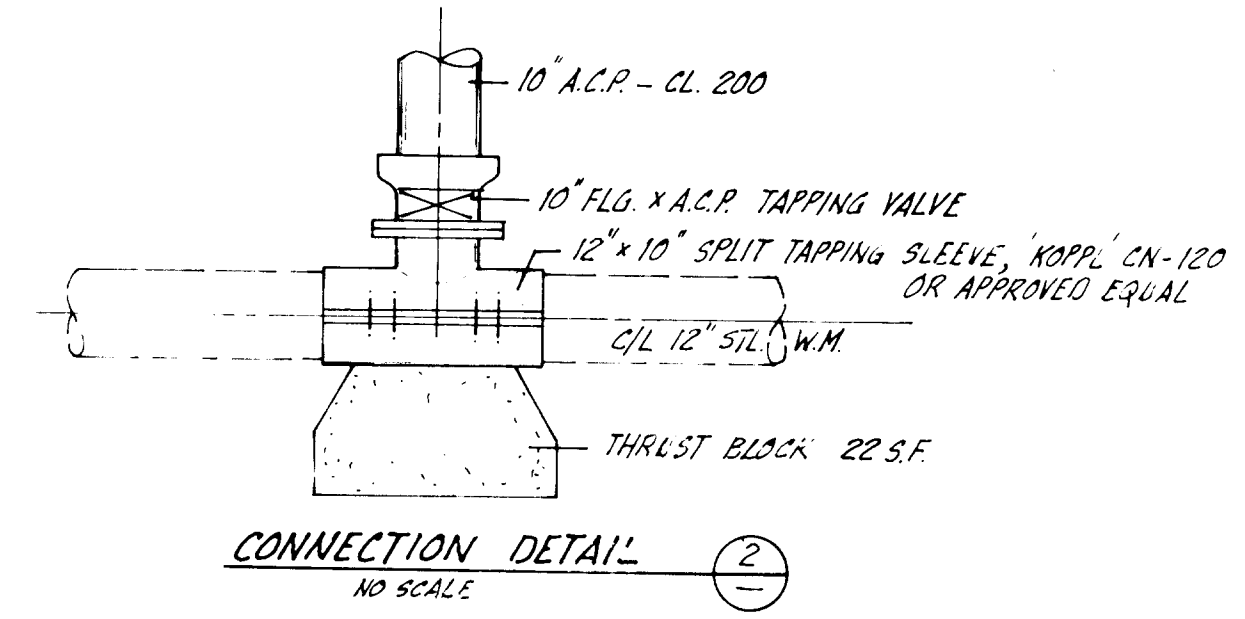
GENERAL NOTES:

1. WATER WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT. CONTRACTOR SHALL HAVE A COPY OF THE STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
2. WHERE ELEVATIONS AND GRADES ARE NOT SHOWN ON THE WATER MAIN PROFILE, TOP OF PIPE PROFILE IS 48 INCHES BELOW CENTERLINE FINISH GRADE OF STREET.
3. MANUAL AIR RELEASES SHALL BE INSTALLED AT ALL HIGH POINTS IN THE WATER MAIN PROFILE.
4. UNLESS OTHERWISE NOTED, CONNECTIONS TO EXISTING MAINS SHALL BE MADE WET. THE TIME AND DURATION OF ANY SHUTDOWNS OF EXISTING MAINS SHALL BE MADE SUBJECT TO APPROVAL BY DISTRICT.
5. A.C. BY A.C. ON LINE VALVES WHERE REQUIRED AT STREET INTERSECTIONS SHALL BE LOCATED ON THE PROLONGATION OF THE STREET RIGHT OF WAY WHENEVER POSSIBLE.
6. INSTALL FIRE HYDRANTS AT LOCATIONS REQUIRED BY FIRE DISTRICT.
7. CONTRACTORS SHALL ACQUIRE A TRENCHING PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR ALL TRENCH WORK WHERE FACILITIES ARE TO BE CONSTRUCTED FOR GR. TO BE TURNED OVER TO THE OLIVENHAIN MUNICIPAL WATER DISTRICT. COPY OF PERMIT SHALL BE SUBMITTED TO THE DISTRICT PRIOR TO START OF WORK.
8. REVISED STANDARD SPECIFICATIONS FOR STERILIZATION, SECTION C 1 TO READ AS FOLLOWS: "...A CHLORINE CONCENTRATION OF APPROXIMATELY 50 PPM OR THAT WHICH WILL PROVIDE A MINIMUM RESIDUAL OF 25 PPM IN ALL PARTS OF THE LINE AFTER 24 HOURS HAVE ELAPSED."



WORK TO BE DONE:

STD DWG NO	DESCRIPTION	LEGEND	QUANTITY
	CONSTRUCTION OF 10" ACP CLASS 200	10" ACP CLASS 200	490 LF
	CONSTRUCTION OF 8" ACP CLASS 200	8" ACP CLASS 200	220 LF
4	CONSTRUCTION OF MANUAL AIR RELEASE OR BLOW-OFF ASSEMBLY	B.O. MAR	4 EA
16, 17	CONSTRUCTION OF BUTTERFLY VALVE ASSEMBLY	B.V.	3 EA
14	CONSTRUCTION OF FIRE HYDRANT ASSY (3-WAY)	F.H.	2 EA
17	CONSTRUCTION OF FLANGE TEE WITH FLANGE VALVES - CL 250	FL. TEE	1 EA
19	CONSTRUCTION OF CAP ASSEMBLY	CAP	2 EA
11	CONSTRUCTION OF WATER SERVICE ASSEMBLY	W.S.A.	4 EA



OWNER/PERMITTEE:
ENCINITAS RANCHO PROFESSIONAL PARK
2230 ENCINITAS BLVD
ENCINITAS, CA 92024

ENGINEER OF WORK:
THOMAS & SOWARDS ENGINEERING, INC.
215 SO HIGHWAY 101, SUITE 101
SOLANA BEACH, CA 92075
TEL (714) 481-6818

LEGAL DESCRIPTION:
PARCEL 3 OF PARCEL MAP 4406,
COUNTY OF SAN DIEGO, CA

MAIN EXTENSION NO. 98

PRIVATE CONTRACT

SHEET 1 OF 2

OLIVENHAIN MUNICIPAL WATER DISTRICT

PLANS FOR IMPROVEMENT OF:

WATER LINE SYSTEM IN ENCINITAS RANCHO PROFESSIONAL PARK

Engineer of work: *David M. Thomas*

Checked by: *David M. Thomas*

Approval date: *RCE 32256*

AS-BUILT'S

OLIVENHAIN MUNICIPAL WATER DISTRICT

WATER WORKS APPROVAL

APPROVED BY: *Boyle Engineering*

ENGINEERS FOR THE DISTRICT

DATE: *0-01 319 01*

I.D. NO. *1-0*

BENCH MARK #OC-0039

DESCRIPTION: *1/2" PIN IN CONC TOP DECK 4'x6' BOX CULVERT*

LOCATION: *1" W OF E HWY 101 INT RANCHO SANTA FE RD & MANCHESTER AVE*

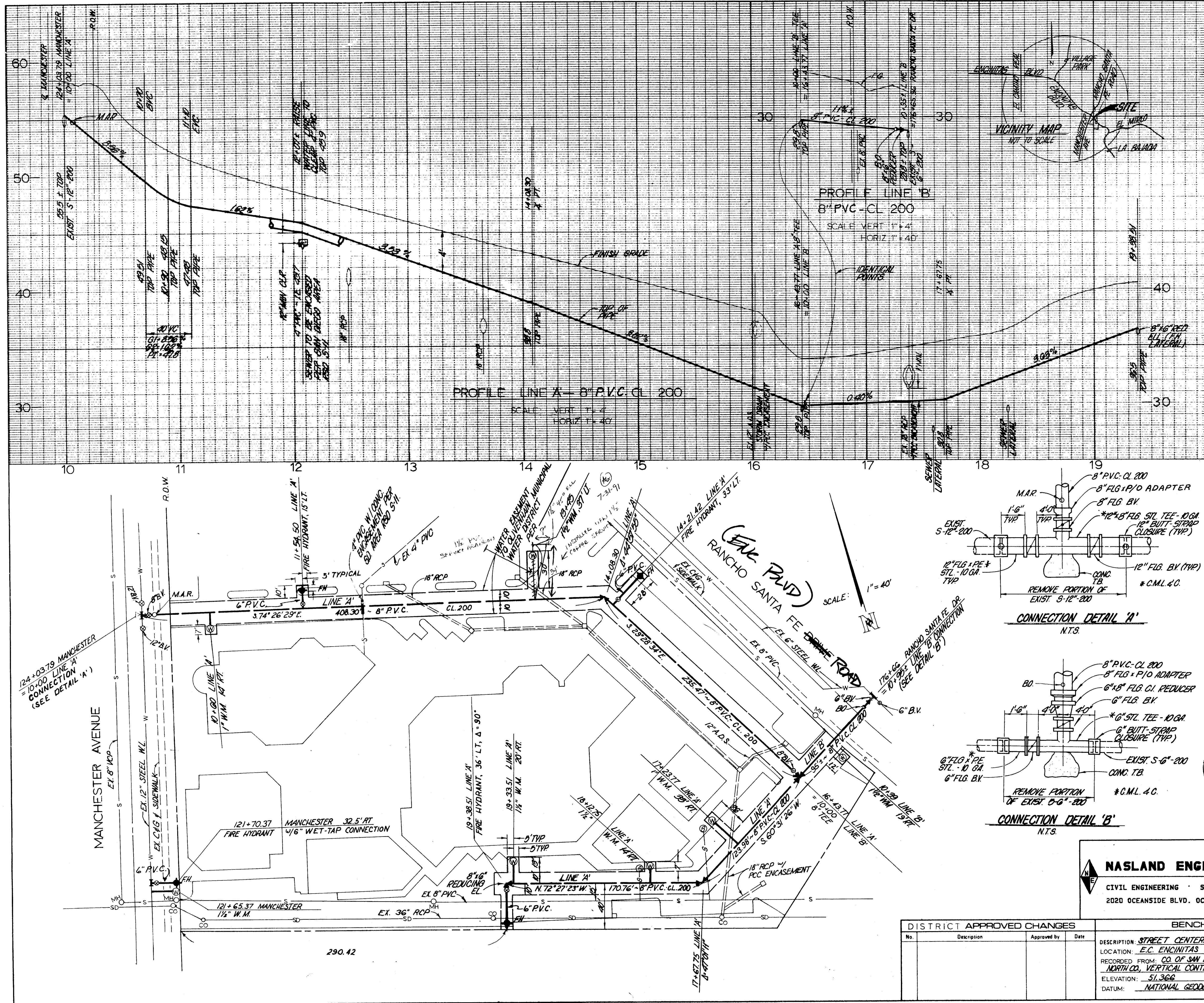
RECORD FROM: *S.D. CIV. ENG DEPT*

ELEVATION: *77.63*

DATUM: *U.S.C. 888*

ENGINEER'S NAME: THOMAS & SOWARDS ENGINEERING, INC.
PHONE NO. (714) 481-6818

FILE NO.



NOTES

1. WATER WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF THE OLIVENHAIN MUNICIPAL WATER DISTRICT. CONTRACTOR SHALL HAVE A COPY OF THE STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
2. WHERE ELEVATIONS AND GRADES ARE NOT SHOWN ON THE WATER MAIN PROFILE, TOP OF PIPE PROFILE IS 48 INCHES BELOW CENTER LINE FINISH GRADE OF STREET.
3. A 3/4" HIGH LETTER 'W' SHALL BE CHISELED IN TOP OF EXISTING CURB OR IMPRINTED IN NEW CURB AT ALL WATER SERVICE CROSSINGS.
4. MANUAL AIR RELEASE SHALL BE INSTALLED AT ALL HIGH POINTS IN THE WATER MAIN PROFILE.
5. UNLESS OTHERWISE NOTED, CONNECTIONS TO EXISTING MAINS SHALL BE MADE DRY. THE TIME AND DURATION OF ANY SHUT DOWNS OF EXISTING MAINS SHALL BE MADE SUBJECT TO APPROVAL BY THE DISTRICT. DISTRICT SHALL BE NOTIFIED TWO WEEKS MINIMUM IN ADVANCE TO ANY SHUTDOWN. CONTRACTOR SHALL COORDINATE WITH DISTRICT ALL ARRANGEMENTS FOR HIGH-LINING, TEMPORARY SERVICES, ETC. PRIOR TO SHUTDOWNS.
6. FIRE HYDRANTS, AS APPROVED BY THE COGNIZANT FIRE DISTRICT, ARE TO BE INSTALLED AT LOCATIONS SPECIFIED BY THE FIRE DISTRICT. CONSTRUCT 4" CONCRETE PAD, 3' SQUARE CENTERED ON HYDRANT.
7. CONTRACTOR SHALL ACQUIRE A TRENCHING PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY (CAL OSHA) FOR ALL TRENCH WORK WHERE FACILITIES ARE TO BE CONSTRUCTED FOR, OR TO BE TURNED OVER TO THE OLIVENHAIN MUNICIPAL WATER DISTRICT. COPY OF PERMIT SHALL BE SUBMITTED TO THE DISTRICT PRIOR TO START OF WORK.
8. REVISED STANDARD SPECIFICATION FOR STERILIZATION, SECTION C-1 TO READ AS FOLLOWS: ".... A CHLORINE CONCENTRATION OF APPROXIMATELY 50 PPM OR THAT WHICH WILL PROVIDE A MINIMUM RESIDUAL OF 25 PPM IN ALL PARTS OF THE LINE AFTER 24 HOURS HAVE ELAPSED.
9. ALL EXISTING FACILITIES WHICH MAY EFFECT FINAL DESIGN, I. E., LINE CROSSINGS, LINE PARALLELING OR PROPOSED CONNECTIONS SHALL BE FIELD VERIFIED.
10. VALVE BOXES SHALL BE INTEGRAL CAST IRON LID AND FRAME ASSEMBLY, TYPE GV-8, AS MANUFACTURED BY SOUTHWEST FOUNDRY OR ALHAMBRA FOUNDRY COMPANY LTD., IDENTIFICATION MARKING FOR LIDS PER DISTRICT DIRECTIVES.
11. INTERNAL FERROUS SURFACES OF ALL VALVES EXPOSED TO WATER SHALL HAVE A CERTIFIED FACTORY APPLIED EPOXY COATING NOT LESS THAN 10 MILS THICK.
12. ALL VALVES 12" AND SMALLER WITH STATIC PRESSURE OF 150 P.S.I. OR LESS WILL BE AMERICAN-RO CRS, KENNEDY KEN-SEAL OR MUELLER RESILIENT SEAT GATE VALVES OR DISTRICT APPROVED EQUAL. ALL VALVES 14" AND LARGER OR WITH STATIC PRESSURE BETWEEN 150 TO 175 P.S.I., WILL BE PRATT OR DRESSER BUTTERFLY VALVES OR DISTRICT APPROVED EQUAL. ALL VALVES SHALL BE IN ACCORDANCE WITH O.M. W.D. SPECIFICATIONS.
13. WATER SERVICES FOR ALL COMMERCIAL DEVELOPMENTS SHALL HAVE AN APPROVED BACKFLOW PREVENTION DEVICE ON CUSTOMER'S SIDE OF WATER METER.
14. NO WORK, MAY BEGIN OR PROCEED WITHOUT DIRECTION OF DISTRICT'S INSPECTOR. INSPECTOR'S SCHEDULING MUST BE 24-48 HOURS IN ADVANCE OF WORK.
15. CONTRACTOR SHALL SUBMIT FOR DISTRICT REVIEW, MANUFACTURER'S CATALOG CUTS/SHOP DRAWINGS FOR ALL ITEMS OF WORK PRIOR TO INSTALLATION.

NASLAND ENGINEERING

CIVIL ENGINEERING · SURVEYING · LAND PLANNING
2020 OCEANSIDE BLVD. OCEANSIDE, CALIFORNIA 92054

DISTRICT APPROVED CHANGES			
No.	Description	Approved by	Date

BENCH MARK

DESCRIPTION: STREET CENTERLINE MONUMENT
LOCATION: E.C. ENCINITAS BLVD. STA. 172+68.02
RECORDED FROM: CO. OF SAN DIEGO, DEPT. OF PUBLIC WORKS
NORTH CO., VERTICAL CONTROL DATA
ELEVATION: 51.368
DATUM: NATIONAL GEODETIC VERT. DATUM OF 1929

PRIVATE CONTRACT

SHEET	OLIVENHAIN MUNICIPAL WATER DISTRICT	1
SHEETS		
PLANS FOR THE IMPROVEMENT OF THE		
WEST VILLAGE COMMERCIAL SITE		
8" WATER MAIN		
MAIN EXTENSION NO. 138		
SE CORNER OF ENCINITAS BLVD. & RANCHO SANTA FE DR.		
Recommended for approval:	Approved	
Checked by:	Checked by:	
CA Collins 11/26/85		
CA COLLINS R.C.E. 34490	Approval date	

FILE NO. 289-1076

ENGINEER'S NAME: WEST VILLAGE COMM. SITE
PHONE NO. 73313 OR (714) 784-3300

