V.C.M.W.D. GENERAL NOTES

- UNLESS OTHERWISE INDICATED HEREIN, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE BELOW; PRECEDENCE SHALL FOLLOW ORDER LISTED:
- A. THESE PROJECT PLANS AND SPECIFICATION
- B. VCMWD STANDARD WATER AND SEWER DRAWINGS, LATEST APPROVED EDITION C. VCMWD SEWER FACILITY DESIGN MANUAL, FEBRUARY 2000 AND STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF PIPELINES AND APPURTENANCES, LATEST EDITION.
- D. STANDARD SPECIFICATION FOR PUBLIC WORKS, "GREENBOOK" LATEST EDITION
- 1. A PRE-JOB CONFERENCE SHALL BE HELD BEFORE THE START OF CONSTRUCTION. CONTRACTOR ATTENDANCE IS MANDATORY.
- .. CONTRACTOR SHALL NOTIFY THE VCMWD ENGINEERING DEPARTMENT IN WRITING ONE WEEK PRIOR TO THE START OF CONSTRUCTION AND VERBALLY 24 HOURS IN ADVANCE OF BEGINNING WORK TO ARRANGE FOR INSPECTION OF THE PROJECT.
- CONTRACTOR MUST CALL "DIG ALERT" OF SOUTHERN CALIFORNIA TO HAVE UNDERGROUND SERVICE UTILITIES LOCATED PRIOR TO CONSTRUCTION
- 4. WORK DONE WITHOUT DISTRICT INSPECTION SHALL BE SUBJECT TO REMOVAL
- 5. THE TELEPHONE NUMBER OF THE VALLEY CENTER MUNICIPAL WATER DISTRICT IS (760) 735-4500.
- APPROVAL OF PLANS BY THE VALLEY CENTER MUNICIPAL WATER DISTRICT DOES NOT RESPONSIBILITY FOR ACCURACY OF INFORMATION NOR LOCATIONS OF
- CONTRACTOR IS REQUIRED TO SUBMIT ALL MATERIALS FOR APPROVAL PRIOR TO INSTALLATION, ANY MATERIALS INSTALLED WITHOUT APPROVAL SHALL BE SUBJECT TO
- S. CONTRACTOR IS REQUIRED TO EMPLOY CERTIFIED THIRD PARTY TESTING FOR COMPACTION AND PROVIDE REPORTS ON A TIMELY BASIS.
- PROJECT TO VERIFY DEPTHS, GRADES, SIZES, LOCATIONS, ETC., MINIMUM 10 DAYS PRIOR TO THE START OF TRENCHING OPERATIONS. ANY DISCREPANCIES FOUND IN THE FIELD WITH THE INFORMATION PROVIDED ON THESE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE DISTRICT ENGINEER PRIOR TO PROCEEDING WITH
- 10. ANY CHANGES TO THE DESIGN OR THESE DRAWINGS SHALL BE APPROVED BY THE DISTRICT ENGINEER, IN WRITING, PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 11. ALL MATERIALS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION, UNLESS DIRECTED OTHERWISE
- 12. ANY "BREAK-INS" OR MODIFICATIONS TO EXISTING INSTALLATIONS SHALL BE MADE IN THE PRESENCE OF THE DISTRICT ENGINEER OR HIS REPRESENTATIVE.
- 13. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING VCMWD ABOVE AND BELOW GROUND FACILITIES AFFECTED BY CONSTRUCTION OF THIS PROJECT.
- 14. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR CONSTRUCTION OF THE WORK, INCLUDING A PERMIT FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION WITHIN EXISTING COUNTY RIGHTS—OF—WAY.
- 15. CONTRACTOR IS TO OBSERVE ALL SAFETY AND TRAFFIC CONTROL REGULATIONS AS REQUIRED BY CAL/OSHA, COUNTY OF SAN DIEGO AND THE AMERICAN PUBLIC WORKS ASSOCIATION.
- 16. PRIOR TO INSTALLING ANY DISTRICT PIPELINE IN A FILL AREA, A SOILS REPORT SHALL BE SUBMITTED TO THE DISTRICT ENGINEER CERTIFYING THAT ALL EARTH FILLS WERE COMPACTED TO A MINIMUM 90% RELATIVE DENSITY TOP TO BOTTOM.
- 17. THE FINAL LOCATION AND ELEVATION OF SEWER AND WATER LATERALS SHALL BE SHOWN ON ORIGINAL PLANS PRIOR TO ACCEPTANCE OF WORK.
- 18. CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILTS ONSITE
- 19. CONTRACTOR SHALL POSSESS CURRENT HARD COPIES OF PROJECT PLANS AND ALL REFERENCED SPECIFICATIONS ONSITE.
- 20. THE CONTRACTOR SHALL FOLLOW INSURANCE, BONDING, AND WARRANTY REQUIREMENTS AS SPECIFIED IN THE DISTRICT FACILITIES AGREEMENT.

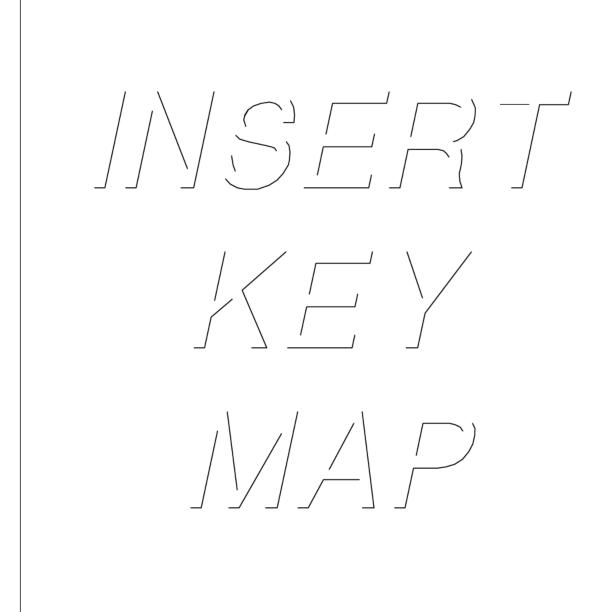
WATER NOTES

- CONNECTIONS TO EXISTING DISTRICT FACILITIES WILL BE MADE IN ACCORDANCE WITH VCMWD'S STANDARD SPECIFICATIONS, SECTION 1-34 SHUTDOWN PERIODS, AND SECTION 3-16 CONNECTIONS TO EXISTING WATER LINES, WHICH DETAIL THE NOTICE PERIODS, REQUIRED CONDITIONS, AND RESPONSIBILITIES OF THE CONTRACTOR.
- 2. UNLESS SHOWN DEEPER, ALL PIPELINES 14" AND SMALLER SHALL BE INSTALLED WITH A MINIMUM COVER OF 36" FOR PAVED ROADWAYS OR 42" FOR UNPAVED ROADWAYS AND EASEMENTS. PIPELINES 16" AND LARGER SHALL BE INSTALLED WITH A MINIMUM COVER OF 48" FOR PAVED ROADWAYS OR 54" FOR UNPAVED ROADWAYS AND EASEMENTS.
- 3. ALL MAINLINE AND HYDRANT VALVES SHALL BE FLANGED.
- 1. CONTRACTOR MAY BE REQUIRED TO INSTALL 2" SERVICE SADDLE WITH 2" CORPORATION STOP TO TOP OF 8" WATER MAIN TO SERVE AS MANUAL AIR RELEASE DURING PIPELINE TESTING. UPON COMPLETION OF ALL PIPELINE TESTING, CONTRACTOR WILL REMOVE 2" CORP. STOP AND INSTALL 2" THREADED BRASS PLUG INTO SERVICE SADDLE.
- WATER SERVICE LATERALS SHALL NOT BE INSTALLED WITHIN DRIVEWAY OR SIDEWALK
- CONTRACTOR SHALL, AT NO COST TO THE DISTRICT, EXTEND OR RELOCATE EXISTING WATER MAIN APPURTENANCES, RELOCATE EXISTING WATER SERVICE LATERALS AND METERS; RECONNECT, EXTEND/SHORTEN ALL CUSTOMER'S PRIVATE LINES AFFECTED BY THE ROAD IMPROVEMENTS INCLUDED IN THESE PLANS, WHEN NECESSARY, AT DEVELOPERS COST. THE DEVELOPER WILL BE RESPONSIBLE FOR THE COST TO UPGRADE ALL RELOCATED WATER METERS TO CURRENT BACKFLOW STANDARDS.
- PRESSURE TESTING SHALL BE COMPLETED PER SECTION 3-20 OF THE STANDARD SPECIFICATIONS, WITH EXCEPTION TO THE LEAKAGE AMOUNT, NO MEASURABLE LEAKAGE ALLOWED, THAT IS NOT DUE TO GAUGE TOLERANCE AND AMBIENT TEMPERATURE CHANGES
- 8. ALL NEW WATERLINES SHALL BE DISINFECTED PER AWWA C651—14. BACTERIA SAMPLING SHALL BE DONE USING METHOD A PROCEDURE.
- 9. DISINFECTION AND PRESSURE TESTING OF NEW WATERLINES SHALL BE COMPLETED AND ACCEPTED BY DISTRICT PRIOR TO MAKING CONNECTION TO EXISTING SYSTEMS. AN AIR GAP OR TEST PLATE SHALL BE USED, PRESSURIZING/DISINFECTING AGAINST A CLOSED
- 10. PIPE DEFLECTION SHALL NOT EXCEED 80% OF MANUFACTURER ALLOWABLE TOLERANCE. ADDITIONAL DEFLECTION SHALL BE ACCOMPLISHED WITH APPROPRIATE FITTINGS, SUBMITTED AND APPROVED BY DISTRICT PRIOR.
- 1. ALL ABOVE GROUND APPURTENANCES (FH, AV, BO, ETC.) AND PRV VALVES AND FITTINGS, WHICH ARE BEING ABANDONED AS A PART OF THIS PROJECT, SHALL BE REMOVED TO MINIMUM 12" BELOW GRADE AND DELIVERED TO THE VCMWD YARD OR AS DIRECTED BY
- 12. MATERIALS SHALL BE ADEQUATELY RATED FOR SPECIFIED TEST PRESSURE AT 135% OF DESIGN PRESSURE

SEWER NOTES

- OTHERWISE NOTED. FOR PIPE 15 INCHES AND OVER, TRENCH WIDTH SHALL BE PER GREENBOOK SPECIFICATIONS, 306—1.2.13.WHENEVER THE EXCAVATED MATERIAL IS NOT SUITABLE FOR BACKFILL, THE CONTRACTOR SHALL REMOVE THIS MATERIAL AND ARRANGE FOR AND FURNISH SUITABLE IMPORTED BACKFILL MATERIAL WHICH IS CAPABLE OF ATTAINING THE REQUIRED RELATIVE DENSITY. IMPORTED BACKFILL MATERIAL, OR OTHER BACKFILL MATERIAL SHALL BE APPROVED BY THE ENGINEER, AND PER SECTION 306—1.3.5 OF THE "GREENBOOK" STANDARD SPECIFICATIONS.
- 3. AFTER COMPLETION OF PIPE LAYING, ALL MAIN LINE SEWERS, SERVICE LATERALS AND STRUCTURES SHALL BE AIR AND MANDREL TESTED PER SSPWC SECTION 306-7.8 IN THE PRESENCE OF THE INSPECTOR.
- TELEVISION (CCTV) INSPECTION. CCTV SHALL HAVE BEEN DONE NO MORE THAN 6 MONTHS PRIOR TO ACCEPTANCE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PAY FOR THE COST OF THIS WORK AND ANY ADDITIONAL CCTV THAT IS REQUIRED TO VERIFY RE-WORK OR CORRECTIONS.
- VIDEO INSPECTION SHALL SHOW WITH HIGH RESOLUTION OPERATIONAL AND STRUCTURAL DEFECTS E.G., INFLOWS, SAGS, OFFSET JOINTS, CRACKS, ROUGHNESS, "FINS" OR FOLOS IN THE PIPELINES, COMPLETE WITH AUDIO COMMENTARY AND
- THE DISTRICT INSPECTOR SHALL BE NOTIFIED A MINIMUM OF 2 WORKING DAYS IN ADVANCE OF VIDEO INSPECTING.
- 4.3. VIDEO INSPECTION SHALL BE PERFORMED ONE PIPE REACH (E.G., MANHOLE TO
- 4.4. THE CONTRACTOR SHALL VIDEO INSPECT THE PIPELINE WITH MAXIMUM FLOW THE CONTRACTOR SHALL VIDEO INSPECT THE PIPELINE WITH MAXIMUM FLOW DIVERTED (IF REQUIRED) FROM THE PIPELINE. THE PIPE REACH BEING INSPECTED SHALL BE ISOLATED FROM THE REMAINDER OF THE PIPELINES WITH THE UPSTREAM SEWAGE FLOW BYPASSED (IF REQUIRED). IN THE EVENT THAT THE EXISTING FLOW IS INTERFERING WITH THE VIDEO OPERATION, A BYPASS SHALL BE PERFORMED BY THE CONTRACTOR TO LOWER THE FLOW VOLUME SUFFICIENTLY TO ALLOW FOR A CLEAR VIDEO PICTURE. SUFFICIENT WATER SHALL BE SUPPLIED TO THE ISOLATED SECTION TO CAUSE DRAINAGE REACHING THE DOWNSTREAM MANHOLE PRIOR TO VIDEO INSPECTION. IF EXISTING FLOWS ARE HIGH, PRE—CONSTRUCTION VIDEO INSPECTION CAN BE DONE WITH PARTIAL FLOW. DEPTH OF THE FLOW SHALL NOT EXCEED:
- 4.5. PIPES 6" 10" 20% OF THE PIPE DIAMETER. 4.6. PIPES 12" - 24" - 25% OF THE PIPE DIAMETER.
- 4.7. PIPES 27" AND UP 30% OF THE PIPE DIAMETER.
- THE CAMERA SHALL BE MOVED THROUGH THE PIPELINE IN A DOWNSTREAM DIRECTION AT A UNIFORM RATE BY MEANS OF POWER CABLE WINCHES OR SELF—PROPELLED TRACTORS AT EACH MANHOLE, STOPPING AND ROTATING THE CAMERA HEAD AT EACH LATERAL CONNECTION, DEFECT, OR BOTH TO ALLOW FOR ADEQUATE EVALUATION. THE CONTRACTOR SHALL STOP WHEN NECESSARY TO ENSURE PROPER DOCUMENTATION OF THE PIPE CONDITION, BUT IN NO CASE SHALL THE CAMERA BE PULLED AT A SPEED GREATER THAN 30' PER MINUTE. A CLEAR PICTURE SHALL BE PROVIDED LOOKING INTO EACH SERVICE CONNECTION. BOTH PRE AND POST VIDEO INSPECTIONS SHALL BE SUBMITTED TO THE ENGINEER.
- MEASUREMENT FOR LOCATION OF DEFECTS SHALL BE ABOVE GROUND BY MEANS OF A MEASURING DEVICE. FOOTAGES SHOWN IN THE DIGITAL FILES SHALL COINCIDE WITH HORIZONTAL LENGTHS FROM STATIONING AS SHOWN ON THE PLANS. FOOTAGE MEASUREMENTS SHALL BEGIN AT THE CENTERLINE OF THE UPSTREAM MANHOLE OR STORM ACCESS POINT, UNLESS PERMISSION IS GIVEN BY THE ENGINEER TO 4.9.
- O. THE CONTRACTOR SHALL CLEAN THE SEWER MAINS PRIOR TO VIDEO INSPECTING AS NECESSARY TO ADEQUATELY PERFORM THE VIDEO RECORDING OPERATIONS. IF THE CAMERA WILL NOT PASS THROUGH THE ENTIRE PIPELINE SECTION, THE CONTRACTOR SHALL RESET THE EQUIPMENT AT THE DOWNSTREAM MANHOLE AND ATTEMPT TO INSPECT THE SECTION OF PIPE FROM THE OPPOSITE DIRECTION. IF THE CAMERA FAILS TO PASS THROUGH THE ENTIRE SECTION, IT SHALL BE ASSUMED THAT AN OBSTRUCTION EXISTS. EFFORTS TO VIDEO RECORD THAT SECTION OF PIPE SHALL BE TEMPORARILY SUSPENDED AND THE CONTRACTOR SHALL NOTIFY THE ENGINEER. UPON REMOVAL OF THE OBSTRUCTION, THE CONTRACTOR SHALL COMPLETE THE INSPECTION. 4.10.
- 4.11. IF AN OBSTRUCTION IS ENCOUNTERED DURING THE POST-CONSTRUCTION VIDEO INSPECTION, THE CONTRACTOR SHALL REMOVE THE OBSTRUCTION BY EXCAVATION REPAIR, OR OTHER MEANS APPROVED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE, IN ORDER THAT VIDEO INSPECTION MAY CONTINUE.
- 4.12. THE SYSTEM USED TO MOVE THE CAMERA THROUGH THE PIPE SHALL NOT OBSTRUCT THE CAMERA'S VIEW. THE CONTRACTOR SHALL CALIBRATE THE MEASURING DEVICE EACH DAY WITH A KNOWN DISTANCE TO THE SATISFACTION OF THE ENGINEER PRIOR TO STARTING THE INSPECTION AND VIDEO RECORDING PROCESS.
- 4.13. THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S APPROVAL FOR ANY ADDITIONAL POINT REPAIRS.
- 5. TOLERANCES ENCOUNTERED FOLLOWING INSPECTION SHALL BE ADDRESSED AS FOLLOWS: FOR NEW UNDERGROUND SEWER INSTALLATIONS, THE MAXIMUM OPERATIONAL TOLERANCE FOR SAG SHALL BE 1/2". WHEN VIDEO RECORDED INSPECTION IS USED TO CHECK FOR SAG, A CALIBRATED 1/4" DIAMETER STEEL BAR/"SAG GAGE" OR APPROVED EQUAL DEVICE, MOUNTED IN FRONT OF THE CAMERA, SHALL BE USED TO MEASURE THE DEPTH OF SAG.
- 5.B. IF THE ENGINEER DETERMINES THAT THE DEFICIENCIES OR SAGS ARE NON-REPAIRABLE IN PLACE, THE AFFECTED PORTION(S) SHALL BE RECONSTRUCTED.
- THE CONSTRUCTION OF PCC SEWER MANHOLE PER VCMWD S-4 OR VCMWD S-5 POURED-IN-PLACE MANHOLE BASES SHALL BE A MONOLITHIC POUR FINISHED COMPLETE AT TIME OF POUR. EACH NEW MANHOLE SHALL BE VACUUM TESTED PRIOR TO BACK FILLING. THE TEST SHALL BE CONDUCTED IMMEDIATELY AFTER PLACEMENT OF PRE-CAST UNITS WITH POLYMER MORTAR/BUTYL SEALANT. ALL PIPES IN THE MANHOLE SHALL BE SECURELY PLUGGED. THE TEST HEAD SHALL BE PLACED AT THE INSIDE OF THE TOP PRE—CAST UNIT PRIOR TO THE INSTALLATION OF THE GRADE RING, AND THE SEAL INFLATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- A VACUUM OF 10 PSI SHALL BE DRAWN AND THE VACUUM PUMP SHUT OFF. WITH THE VALVE CLOSED, THE TIME SHALL BE MEASURED FOR THE VACUUM TO DROP TO 9 PSI. THE MANHOLE SHALL PASS IF THE TIME IS GREATER THAN 75 SECONDS. IF THE MANHOLE FAILS THE INITIAL TEST, NECESSARY REPAIRS SHALL BE MADE WITH NO SHRINK GROUT WHILE VACUUM IS STILL BEING DRAWN. RETESTING SHALL PROCEED UNTIL A SATISFACTORY TEST IS OBTAINED.
- POLYMER MORTAR SHALL BE USED TO JOIN PRE—CAST COMPONENTS ON AL MANHOLES TO CREATE WATERTIGHT JOINTS TO RESIST INFILTRATION. THE MOI SHALL BE MIXED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, AND SHALL NOT EXCEED FIVE PARTS SAND TO ONE PART POLYMER. ACCEPTABLE JOINT SEALANT PRODUCTS SHALL BE SKIDDER 31 AND 32 HI-MOD GEL MANUFACTURED BY SIKA COPTURED BY SIKA COPTURE MANUFACTURED BY ENGARD COATINGS, AND CS 102 BUTYL GASKETS (ROPE FORM)
 MANUFACTURED BY CONCRETE SEALANTS OR APPROVED EQUAL.
- THE CONCRETE OR OTHER SURFACES THAT ARE TO ADHERE TO POLYMER MORTAR SHALL BE FREE FROM DUST, LOOSE AGGREGATES, OIL, GREASE OR OTHER CONTAMINANTS.
- ON ALL MANHOLES, CONTRACTOR SHALL APPLY WATERPROOFING AGENT CONSISTING OF A COAL TAR EMULSION ON ALL EXTERIOR SURFACES. THE EMULSION SHALL BE TNEMEC 46-465, OR APPROVED EQUAL. THE EMULSION SHALL BE APPLIED IN NO LESS THAN TWO COATS TO ACHIEVE A TOTAL DRY THICKNESS OF 25 MILS MINIMUM. THE EXTERIOR EMULSION COATINGS SHALL BE APPLIED PRIOR TO DELIVERY TO THE JOBSITE. IN ADDITION, A BITUMASTIC BAND 6 INCHES WIDE SHALL BE APPLIED AT ALL JOINTS ON EXTERIOR OF SUCH MANHOLES THAT SHALL BE WATERPROOFED.
- 6.5. WHEN COMPLETED, ALL MANHOLES SHALL BE WATERTIGHT WITH ZERO INFILTRATION OF GROUNDWATER.

UTILITY PLANS FOR PROJECT NAME COUNTY OF SAN DIEGO TRACT NO. XXXX



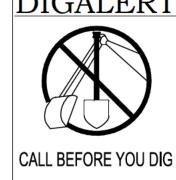
KEY MAP

KEY MAP LEGEND:

UTILITY SHEETS SUBDIVISION BOUNDARY TRACT BOUNDARY

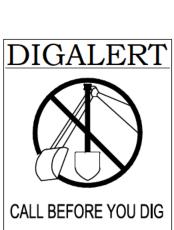
SHEET INDEX

VCMWD UTILITY TITLE SHEET VCMWD STREET SECTIONS SHEET XX SHEET XX... VCMWD DETAILS & LATERAL TABLES SHEET XX THRU XX VCMWD UTILITY PLAN & PROFILE

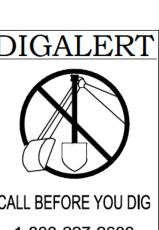


1-800-227-2600 2 WORKING DAY NOTICE REQUIRED

DESCRIPTION:



CALL BEFORE YOU DIG



AIR & VACUUM RELEASE ASSEMBLY.VCMWDSD W-2, W-13, W-14, W-16 (SELECT AS APPLICABLE). ____ ASSESSOR'S PARCEL NO LEGAL DESCRIPTION SITE ADDRESS **ENGINEER OF WORK** CITY, STATE, ZIP CODE I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSION

IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, THE CURRENT SAN DIEGO COUNTY DEPARTMENT OF PUBLIC WORKS DESIGN STANDARD SPECIFICATIONS AND STANDARD REFERENCE DRAWINGS. THE WATER FACILITIES WORK SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS AND DRAWINGS OF VALLEY CENTER MUNICIPAL WATER DISTRICT.

SPECIFICATIONS BY THE COUNTY OF SAN DIEGO, OR ITS AGENTS IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

PHONE

ENGINEER NAME, DATE R.C.E. XXXXX

DECLARATION OF RESPONSIBLE CHARGE

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND

WORK TO BE DONE

LEGEND:

CENTERLINE.

GAS MAIN ..

IRRIGATION LINE ..

SEWER MAIN....

SEWER MANHOLE.

WATER SERVICE.

BLOW OFF ASSEMBLY ...

CONCRETE THRUST BLOCK ..

FIRE SERVICE.

WATER MAIN..

STORM DRAIN..

TOPOGRAPHY SOURCE

BASIS OF BEARING

OWNER/APPLICANT

CITY, STATE, ZIP CODE

BENCHMARK

RECYCLED WATER MAIN...

RECYCLED WATER SERVICE ..

..VCWMDSD W-17...

..VCMWDSD S-4,S-8..

..VCMWDSD S-4, S-8..

..VCMWDSD W-7, W-8..

.VCMWDSD W-17..

.VCMWDSD W-20..

.VCMWD SPEC. 4.01..

AIR VACUUM & BLOW OFF COMB. .VCMWDSD W-2, W-10, W-16..

WATER QUALITY SAMPLING STATION...VCMWDSD W-35..

..VCMWDSD W-2, W-4, W-5...

..VCMWDSD S-4, S-5, S-6, S-7 (SELECT AS APPLICABLE).

..VCMWDSD W—2, W—9, W—11 (SELECT AS APPLICABLE).

..VCMWDSD W-2, W-3, W-3A, W-4, W-5 (SELECT AS APPLICABLE)

..VCMWDSD S-11, S-12 (SELECT AS APPLICABLE).

PROPERTY LINE.

EDGE OF PAVEMENT

ELECTRICAL (OVERHEAD)

ELECTRICAL (UNDERGROUND).

OWNER'S CERTIFICATE

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

THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE

CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

IT IS FURTHER AGREED THAT THE DEVELOPER SHALL HAVE A REGISTERED CIVIL ENGINEER MAKE SUCH CHANGES, ALTERATIONS, OR ADDITIONS TO THESE PLANS WHICH THE DIRECTOR OF PUBLIC WORKS DETERMINES ARE NECESSARY AND DESIRABLE FOR THE PROPER COMPLETION OF THE IMPROVEMENTS. PROVIDED HOWEVER, SUCH CHANGE, ALTERATIONS OR ADDITIONS SHALL NOT EXCEED 10% OF THE ORIGINAL ESTIMATED COST OF THE IMPROVEMENTS WITHOUT THE WRITTEN CONSENT OF THE SURVEY

I FURTHER AGREE TO COMMENCE WORK ON ANY IMPROVEMENTS SHOWN ON THESE PLANS WITHIN 60 DAYS AFTER ISSUANCE OF 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 UNDER MY CONTROL.

OWNER DATE VCMWD APPROVED CHANGES

BY:

DATE

COUNTY NOTE

No. 00000

Exp.00-00-00

THESE PLANS ARE REVIEWED BY THE COUNTY OF SAN DIEGO FOR BONDING PURPOSES ONLY.

THOMAS BROS. XXXX-XX

VICINITY MAP

NO SCALE

COUNTY NOTE REVIEWED FOR BONDING PURPOSES ONLY	
PRIVATE CONTRACT	
SHEET COUNTY OF SAN DIEGO XX DEPARTMENT OF PUBLIC WORKS	XX SHEETS
UTILITY PLAN FOR:	
PROJECT NAME	
COUNTY OF SAN DIEGO TM XXXX CALIFORNIA COORDINATE INDEX XXX—XXXX	
APPROVED: FOR WILLIAM P. MORGAN COUNTY ENGINEER NAME	DATE:

ENGINEER OF WORK COMPANY LOGO

STANDARD TITLE SHEET (PART OF COUNTY OF SD IMPROVEMENT PLAN SET)

DESIGN GUIDE EXHIBIT 'D-1

VALLEY CENTER MUNICIPAL WATER DISTRICT VALID FOR ONE YEAR FROM DATE OF SIGNATURE ENERAL MANAGER DISTRICT ENGINEER DIRECTOR OF OPERATIONS/FACILITIES

DESCRIPTION: LOCATION: RECORD FROM: ELEVATION:_ DATUM:

BENCH MARK

IMPROVEMENT PLAN NO. PDSXXXX-XXXXXX-XXXXX

PROPOSED

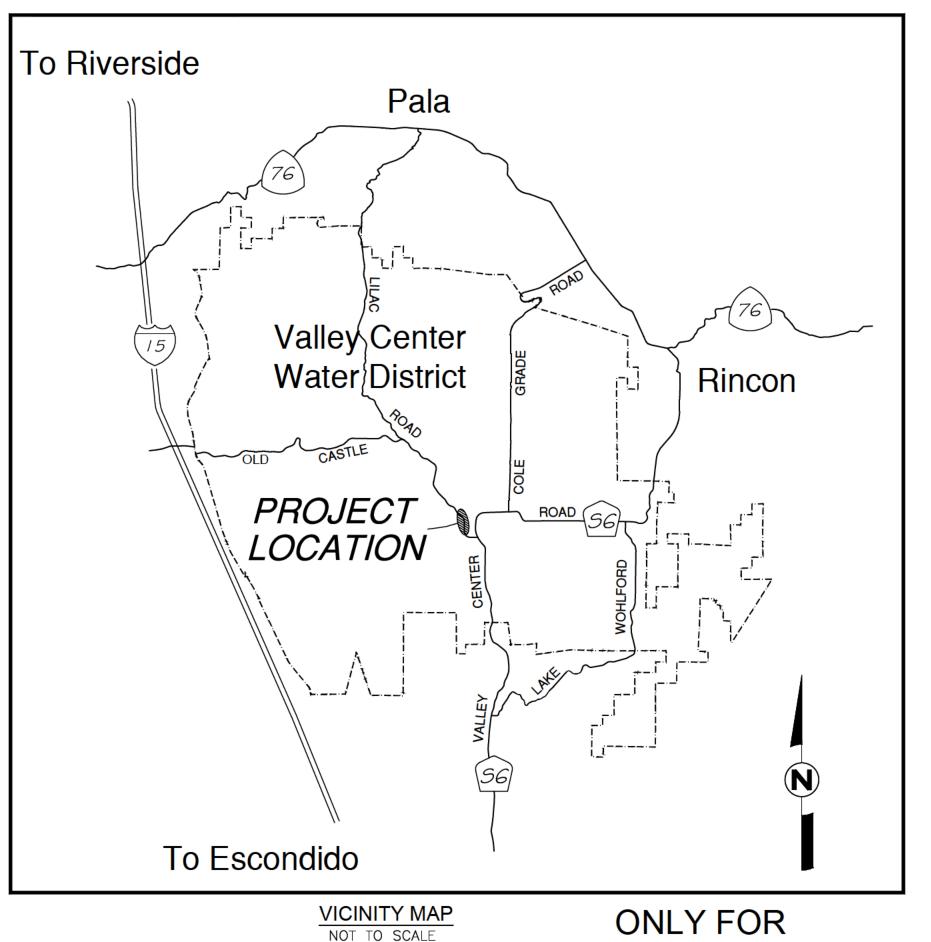
(SRF

VALLEY CENTER MUNICIPAL WATER DISTRICT

PROJECT TITLE

(PROJECT NO. 01-06-78-XXXXX) **/**

ONLY FOR VCMWD **CIP PROJECTS**



BOARD OF DIRECTORS

ROBERT A. POLITO **PRESIDENT** VICE PRESIDENT RANDY D. HASKELL ENRICO P. FERRO **DIRECTOR DIRECTOR** DANIEL E. HOLTZ OLIVER J. SMITH DIRECTOR

STAFF

GARY T. ARANT GENERAL MANAGER

WALLY T. GRABBE DISTRICT ENGINEER/DEPUTY G.M.

DIRECTOR OF FINANCE DIRECTOR OF OPERATIONS A. GREG HOYLE

ANDO PILVE DIRECTOR OF INFORMATION TECHNOLOGY

ONLY FOR DEVELOPER -**PROJECTS**

SHEET INDEX TITLE SHEET

JAMES V. PUGH

NOTES & DETAILS SHEETS X THRU X UTILITY PLAN & PROFILE

OWNER/APPLICANT

ADDRESS CITY, STATE, ZIP CODE

PHONE **ENGINEER OF WORK**

CITY, STATE, ZIP CODE PHONE

DIGALERT

CALL BEFORE YOU DIG

1-800-227-2600

2 WORKING DAY

NOTICE REQUIRED

TOPOGRAPHY SOURCE

BASIS OF BEARING

BENCHMARK

ASSESSOR'S PARCEL NO.

LEGAL DESCRIPTION

SITE ADDRESS

FIRE HYDRANT FLOW LINE FLANGE FORCE MAIN FINISH SURFACE, FIRE SERVICE GRADE BREAK GATE VALVE HIGH DENSITY POLYTHYLENE

ONLY FOR HEADWALL **DEVELOPER** INSIDE DIAMETER INVERT ELEVATION IRRIGATION **PROJECTS** LINEAR FOOT

ABBREVIATIONS

BEGIN CURVE

BLOW OFF

CATCH BASIN

CURB INLET

CLEANOUT

CONCRETE

DIMENSION

DRAWING

END CURVE

ELECTRIC

ELEVATION

EXISTING

LOW POINT

METER

MANHOLE

DUCTILE IRON PIPE

END VERTICAL CURVE

FINISHED GRADE

FIRE DEPARTMENT CONNECTION

CML&C

CONC CTS

DIP DWG

EC ELEC ELEV EVC EXIST FDC FG

AGGREGATE BASE MINIMUM ASPHALTIC CONCRETE MODIFIED MOD ASBESTOS CEMENT PIPE NUMBER AIR VACUUM VALVE OUTSIDE DIAMETER OVERHEAD ELECTRICAL BACKFLOW PREVENTER PORTLAND CEMENT CONCRETE POINT COMPOUND CURVATURE BOTTOM OF PIPE PROTECTED IN PACE BEGIN VERTICAL CURVE POINT OF INTERSECTION CABLE TELEVISION POST INDICATOR VALVE CAST IRON PIPE CEMENT MORTAR LINED & COATED

PROPERTY LINE POWER POLE PRESSURE REDUCING STATION POUNDS PER SQUARE INCH POINT OF COMPOUND VERTICAL CURVE POLYVINYL CHLORIDE PRIVATE CATHODIC TESTING STATION REINFORCED CONCRETE PIPE RESILIENT SEAT GATE VALVE

RECYCLED WATER SEWER SPECIFICATIONS STEEL CYLINDER PIPE STORM DRAIN

SAN DIEGO COUNTY DESIGN STANDARDS SAN DIEGO GAS & ELECTRIC SAN DIEGO REGIONAL STANDARD DRAWINGS SQUARE FEET

STAINLESS STEEL STATION STANDARD STEEL

THRUST BLOCK\TOP OF BERM TOP OF CURB TOP OF CLEANOUT TELEPHONE TOP OF GRATE TOP OF PIPE **TYPICAL**

VERTICAL CURVE VALLEY CENTER MUNICIPAL WATER DISTRICT WATER WATER METER CROSSING (UTILITY)

WM

DESIGN GUIDE EXHIBIT 'D-2' STANDARD TITLE SHEET (VCMWD PROCESSING ONLY)

THOMAS BROS. MAP GUIDE **KEY MAP KEY MAP LEGEND:** IMPROVEMENT SHEETS SUBDIVISION BOUNDARY

ENGINEER OF WORK COMPANY LOGO

DECLARATION OF RESPONSIBLE CHARGE

CURRENT STANDARDS.

NAME OF ENGINEER

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

MUNICIPAL WATER DISTRICT IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS

ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

R.C.E. XXXXX

UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY VALLEY CENTER

DATE

6703 OF THE BUSINESS AND PROFESSION CODE, AND THAT THE DESIGN IS CONSISTENT WITH

VALLEY CENTER MUNICIPAL WATER DISTRICT REFERENCE DRAWINGS APPROVED CHANGES APPROVED BY DATE GENERAL MANAGER DIRECTOR OF OPERATIONS/FACILITIES

VALLEY CENTER MUNICIPAL WATER DISTRICT 29300 VALLEY CENTER ROAD P. O. BOX 67 VALLEY CENTER, CALIFORNIA 92082 (760) 735-4500

