WATER GENERAL NOTES

- 1. FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE WATERWORKS DISTRICT NO. 8
 (WWDB) DESIGN AND CONSTRUCTION STANDARDS, AMERICAN WATER WORKS ASSOCIATION
 (AWWA) STANDARDS, AND THE STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC WORKS
 CONSTRUCTION (GREENBOCK). CONTRACTOR SHALL BE FAMILIAR AND WITH ALL APPLICABLE
 STANDARDS, AND UPON DISCOVERY OF A DISCREPANCY BETWEEN STANDARDS, CONTRACTOR
 SHALL IMMEDIATELY NOTIFY THE DISTRICT ENGINEER AND REQUEST CLARRICATION.
- 2. AN ENCROACHMENT PERMIT IS REQUIRED FOR ALL DISTRICT PROJECTS WHETHER OR NOT THE PROJECT IS LOCATED WITHIN THE CITY LIMITS.
- CONTRACTOR SHALL POSSESS A VALID CLASS A GENERAL ENGINEERING LICENSE FOR ALL WORK RELATED TO THE DISTRICT'S WATER SYSTEM.
- CONTRACTOR IS PERMITTED TO CONSTRUCT IMPROVEMENTS SHOWN ON THE APPROVED DRAWINGS, ONLY, CHANGES IN THE WORK REQUIRE FORMAL DRAWING REVISIONS AND MUST BE APPROVED BY THE DISTRICT PRIOR TO THE START OF CHANGED WORK.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THESE REQUIREMENTS SHALL BE IN EFFECT CONTINUOUSLY FROM CONTRACTOR'S INITIAL MOBILIZATION THROUGH PROJECT ACCEPTANCE.
- 6. CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE DISTRICT HARMLESS FROM ALL LIABILITY, REAL OR ALLEGED, RELATED TO PERFORMANCE WITH THE PROJECT.
- ALL WORK SHALL BE COMPLETED DURING THE HOURS INDICATED ON THE ENCROACHMENT PERMIT. OVERTIME INSPECTION, WHETHER OR NOT SCHEDULED IN ADVANCE, WILL BE BILLED TO THE CONTRACTOR. CONTRACTOR'S PAYMENT OF ALL FEES IS A CONDITION OF PROJECT ACCEPTANCE.
- 8. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING.
- AS A FIRST ORDER OF WORK, CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS AND POINTS OF CONNECTION TO EXISTING WATER FHACILITIES. POTHOLE DATA SHALL INCLUDE UTILITY DESCRIPTION, LOCATION (PIPELINE STATION AND OFFSET), DEPTH AND OBSERVED CONDITION.
- 10. CONTRACTOR SHALL PROVIDE SHOP DRAWING SUBMITTALS FOR ALL PROPOSED MATERIALS, INCLUDING CATALOG DATA SHEETS IDENTETING MANUFACTURE, MODE, NUMBER, SIZE AND QUANTITY OF EACH TIEM. ITED ISTRICT WILL NOT REVIEW AND APPROVE SUBMITTALS UNTIL AFTER AN ACCEPTABLE POTHOLE REPORT IS SUBMITTED, CONTRACTOR'S FAILURE TO SUBMIT SHOP DRAWINGS, OR INSTALLATION OF UNAPPROVED MATERIALS WILL REQUIRE REMOVAL AND REPLACEMENT OF NON-APPROVED MATERIALS AT NO COST TO THE DISTRICT.
- 11. CONTRACTOR SHALL PROVIDE A SUBMITTAL WITH A SKETCH DESCRIBING THE SHUTDOWN AND TIE-IN SEQUENCE OF ACTIVITIES. INDICATE WHICH VALVES WILL BE CLOSED AND WHICH CUSTOMERS MILL BE TEMPORARILY OUT OF SERVICE WATERLINES SHALL NOT BE OUT OF SERVICE FOR LONGER THAN FOUR (4) HOURS. TEMPORARY KICKERS (STEEL JACKS OR STRUTS, ETC.) MAY BE REQUIRED TO SUPPORT THUST UNTIL CONCRETE HARDENS.
- 12. WATER MAIN CONNECTIONS SHALL BE AT LEAST THREE DIAMETERS FROM THE NEAREST JOINT AND NOT LESS THAN 24 INCHES.
- 13. TRENCHING SHALL BE LIMITED TO THE LENGTH OF PIPE THAT CAN BE INSTALLED IN A SINGLE DAY. TRENCH PLATES, WHEN USED, SHALL BE THE ANTI-SKID TYPE, RECESSED TO BE FLUSH WITH THE ADJACENT PAYEMENT, SECURELY PINNED INTO PAYEMENT AND ADJACENT PLATES SHALL BE TACK—WELDED TOGETHER.
- TRENCHES AND OTHER EXCAVATIONS IN PAVED AREAS SHALL BE SAW-CUT IN STRAIGHT, NEAT AND UNIFORM LINES.
- WHERE EXCAVATIONS ARE ADJACENT TO EXISTING POWER POLES, CONTRACTOR SHALL SUPPORT AND PROTECT POLES IN-PLACE.
- 16. WHERE EXCAVATIONS INTERFERE WITH ABOVE—GROUND FACILITIES, SUCH AS SIGNS, FENCES, GATES OR BOLLARDS, CONTRACTOR SHALL REMOVE AND REPLACE SAID FACILITIES IN—KIND.
- 17. EXCAVATIONS SHALL BE BRACED IN ACCORDANCE WITH SECTION 308-3 OF SSPWC. CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING AND BRACING FOR FOR WORKER PROTECTION FROM THE HAZARD OF CAVING GROUND. CONTRACTOR SHALL MAINTAIN COPIES OF ALL APPLICABLE SAFETY ORDERS AT THE JOBSTIE.
- 18. CONTRACTOR IS NOT AUTHORIZED TO TURN VALVES ON THE EXISTING SYSTEM. FORTY-EIGHT HOURS PRIOR TO MAKING TIE-IN TO THE EXISTING WATER SYSTEM. CONTRACTOR SHALL NOTIFY THE DEPUTY DIRECTOR OF THE WATERWORKS DISTRICT AT 805-583-6494.
- 19. ALL WORK SHALL BE COORDINATED WITH THE APPROPRIATE INSPECTOR. THE WATERWORKS DISTRICT INSPECTOR WIST OBSERVE AND APPROVE ALL PUBLIC WATER FACILITIES UP TO AND INCLUDING THE WATER METER. THE BUILDING AND SAFETY DIVISION INSPECTOR WILL OBSERVE AND APPROVE ALL ONSITE/PRIVATE FACILITIES, INCLUDING THE BACKFLOW PREVENTIER, PRIVATE FIRE HYDRANTS AND FIRE RISERS. THE PUBLIC WORKS INSPECTOR WILL OBSERVE AND APPROVE SURFACE IMPROVEMENTS SUCH AS THE ROADWAY, CURB AND GUTTER.
- 20. BACKFLOW PREVENTERS SHALL BE LOCATED ON PRIVATE PROPERTY, WITHIN 10 FEET OF THE PUBLIC RIGHT-OF-WAY.
- 21. WATERLINE STATIONING IS BASED ON THE HORIZONTAL PIPELINE CENTERLINE. PIPELINE ELEVATIONS ARE TOP OF PIPE (TOP) UNLESS NOTED OTHERWISE.
- 22. ALL PIPELINE JOINTS SHALL BE FULLY-RESTRAINED, WHETHER OR NOT CALLED OUT ON THE
- 23. ALL BURIED NUTS, BOLTS AND WASHERS SHALL BE TYPE 316 STAINLESS STEEL, AND COATED WITH ANTI-SEIZE LUBRICANT PRIOR TO INSTALLATION, ALL BURIED NUTS, BOLTS AND WASHERS SHALL BE COATED WITH NO-CX-IO. THE LENGTH OF EACH BOLT OR STUD SHALL BE SUCH THAT BETWEEN ¼" AND ½" PROJECTS THROUGH THE NUT WHEN DRAWN TIGHT.
- 24. DUCTILE IRON AND STEEL FLANGES SHALL BE CLASS E PER AWWA C115 AND C207, RESPECTIVELY (AWWA WORKING PRESSURE RATING = 250 PS)). FLANGE BOLT PATTERN SHALL BE PER ANSI B16.1 FOR DUCTILE IRON AND ANSI B16.5 FOR STEEL (ANSI PRESSURE RATING = 175 PS)).
- 25. NOT ALL REQUIRED PIPE FITTINGS AND APPURTENANCES ARE SPECIFICALLY CALLED OUT ON THE DRAWINGS, BUT ARE REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL PIPING
- 26. UTILIZE DIELECTRIC COUPLINGS OR EQUIVALENT INSULATION BETWEEN DISSIMILAR METALS, INCLUDING MILD STEEL, STAINLESS STEEL, COPPER AND BRASS.
- 27. CONTRACTOR SHALL PROVIDE A CLEAN AND ORGANIZED SET OF RECORD DRAWINGS, WHICH CLEARLY ILLUSTRATES THE "AS-BUILT" CONDITIONS. DISTRICT ACCEPTANCE OF RECORD DRAWINGS IS A CONDITION OF PROJECT ACCEPTANCE AND ENCROACHMENT PERMIT CLOSEOUT.
- 28. CONTRACTOR SHALL SALVAGE FITTINGS, VALVES AND EQUIPMENT AS DIRECTED BY THE INSPECTOR AND DELIVER TO THE WATERWORKS DISTRICT YARD, LOCATED AT 500 W. LOS ANGELES AVE, SIMI VALLEY, CA.
- 29. CONTRACTOR SHALL APPLY FOR AND OBTAIN A TEMPORARY HYDRANT METER FOR CONSTRUCTION WATER, TESTING AND DISINFECTION.
- 30. PRIOR TO CONNECTING NEW WORK TO THE DISTRICT'S WATER SYSTEM, CONTRACTOR SHALL HYDROSTATICALLY PRESSURE TEST PIPELINES PER AWWA G600. THE WATERWORKS INSPECTOR MUST BE PRESENT DURING ALL PRESSURE TESTING.
- 31. PRIOR TO CONNECTING NEW WORK TO THE DISTRICT'S WATER SYSTEM, CONTRACTOR SHALL DISINECT AND TEST FACILITIES IN ACCORDANCE WITH AWWA C651 (WATER MAINS), C652 (STORAGE TANKS) AND C655 (FILED DECHLORINATION), ALL DISINECTION WORK SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY THE CALIFORNIA STATE WATER BOARD. CONTRACTOR SHALL SUBMIT A DISINECTION PLAN TO THE DISTRICT FOR REVIEW APPROVAL

PREP. APPVD. DATE

ACCEPTED:

ASSIST. DIR./DIST. ENGINEER

- 32. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING DAMAGED BENCHMARKS AND/OR OTHER SURVEY MONUMENTS.
- 33. SEQUENCE OF CONSTRUCTION ACTIVITIES:

REVISION

- PRECONSTRUCTION MEETING WITH DISTRICT INSPECTOR (805-501-2512)
- POTHOLE ALL POINTS OF CONNECTION AND UTILITY CROSSINGS SUBMITTALS FOR APPROVAL BY DISTRICT ENGINEER
- ON-SITE MATERIALS INSPECTION

	Appetition Annual Control of Control C	
SHEET NO.	DESCRIPTION	CITY DWG. NO.
1	WATER IMPROVEMENTS COVER SHEET	YEAR-XXXX
		•
	QUANTITY TABLE	
	1	

QUANTITY TABLE				
	DESCRIPTION			

TRAFFIC:

PUBLIC UTILITIES / SERVICES

SPECTRUM 2525 KNOLL ROAD VENTURA, CA 93003 CABLE TV: (805) 732-8160

FIRE:

GAS:

OIL:

ELECTRIC: EDISON INTERNATIONAL CO. 3589 FOOTHILL DR. THOUSAND OAKS, CA 91361

(805) 494-7030 (805) 433-5464 VENTURA CO. FIRE DEPARTMENT 165 DURLEY AVE. CAMARILLO, CA 93010

SO. CALIFORNIA GAS CO. 977 CHAMBERS LANE SIMI VALLEY, CA 93065 (818) 701-3468 EMERGENCY: (800) 427-2200 ext.1

CRIMSON PIPELINE
ATT: CORDELIA CISNEROS
3780 KILROY AIRPORT WAY, STE. 400
LONG BEACH, CA 90806 (562) 285-4133 or 285-4100

EMERGENCY: (866) 351-7473 PARKS & RANCHO SIMI RECREATION RECREATION: & PARK DISTRICT 1692 SYCAMORE DR. SIMI VALLEY, CA 93065

POLICE: SIMI VALLEY POLICE DEPARTMENT. 3901 ALAMO STREET

SIMI VALLEY CA 93063 MAIN POST OFFICE

POSTAL SERVICE: MAIN POST OFFICE 2551 GALENA AVE. SIMI VALLEY, CA 93063 (805) 526-9819 (800) 275-8777

AMERICAN RUBBISH CO. (G.I. RUBBISH) 195 W. LOS ANGELES AVE. SIMI VALLEY, CA 93065 RUBBISH:

(805) 522-9400 x4360 4590 INDUSTRIAL ST. SIMI VALLEY, CA 93063 (805) 526-1919

SIMI VALLEY UNIFIED SCHOOL DIST. 875 E. COCHRAN ST. SIMI VALLEY, CA 93065 (805) 306-4500

CITY OF SIMI VALLEY - VENTURA COUNTY WATERWORKS DISTRICT NO. 8

DEPUTY DIRECTOR/WATERWORKS SERVICES DATE RECOMMENDED: PRINCIPAL ENGINEER DATE

REVIEWED:

UNDERGROUND SERVICE ALERT CALL TOLL FREE - 1 800 227 2600

OR 811 TWO WORKING DAYS BEFORE YOU DIG CITY OF SIMI VALLEY, SANITATION DIVISION 500 W. LOS ANGELES AVE. SIMI VALLEY, CA 93065 (805) 583-6404

TELEPHONE A.T.& T. CONSTRUCTION & ENGINEERING AND FIBER 600 E. GREEN ST., 3rd FLOOR OPTICS: PASADENA, CA 91101-2020 (626) 817-4263

A.T.& T. INQUIRIES (long distance fiber optic) 22311 BROOKHURST STREET, SUITE No. 203 HUNTINGTON BEACH, CA 92646 (714) 963-7964

VERIZON/MCI L.A. NORTH FIELD SERVICES (909) 421-3316 OR (941) 993-9018

SPRINT NEXTEL TRANSMISSION OPERATIONS ATTN: TIBOR LAKY 2592 DUPONT DRIVE IRVINE, CA 92612 (949) 842-9870

LEVEL 3 COMMUNICATIONS 100 S. CINCINNATI AVE. TULSA, OK 74103 (918) 547-0007

CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS TRAFFIC ENGINEERING SIMI VALLEY CA 93063

CITY OF SIMI VALLEY TRANSIT DIVISION 2929 TAPO CANYON ROAD SIMI VALLEY, CA 93063 (805) 583-6456

CALLEGUAS MUNICIPAL WATER DIST. 2100 OLSEN RD. THOUSAND OAKS, CA 91362 (805) 579-7156 (805) 807-9495

VENTURA CO. WATERWORKS DIST. NO. 8 500 W. LOS ANGELES AVE. SIMI VALLEY, CA 93065 (805) 583-6469

GOLDEN STATE WATER CO. 4680 LOS ANGELES AVE, UNIT H SIMI VALLEY, CA 93063 (805) 527-9393 (805) 990-9600

LINETYPE LEGEND (EXIST SHOWN IN GREY)

- - CENTERLINE = CURB & GUTTER LINE CURB OR AC BERM

EDGE OF PAVEMENT ____ x ____ FENCE PROPERTY LINE HHHHHHH RAILROAD

- 8" W - UTILITY LINE (LABELED)

- WALL

CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS

SAW-CUT & JOIN LINE



ABBREVIATIONS

ASSY

ABANDONED
ASPHALT CONCRETE
C AIR VACUUM AND AIR RELEASE
ASSEMBLY
ASSEMBLY
ASSEMBLY
ASSEMBLY
AMERICAN WATER WORKS ASSOCIATION
BEGIN CURVE
BUTTERTLY VALVE
BENCHMARK
BLOW OFF ASSEMBLY
CENTERLINE OR CLASS
CHAIN LINK FENCE
CLEAR
CRUSHED MISCELLANEOUS BASE

CLEAR CRUSHED MISCELLANEOUS BASE CEMENT MORTAR COATED CEMENT MORTAR LINED CEMENT MORTAR LINED AND COATED CLEANOUT CONCRETE CUBIC YARD DETAIL DUCTILE IRON DIAMETER

BCV
BM BO CLF
CLF CLR
CMC CML CML CCML
CONC CONC
COY
DET
DIA
DIP
DWG
EA DIAMETER DUCTILE IRON PIPE DRAWINGS EACH END CURVE ELEVATION EDGE OF PAVEMENT

EXISTING FINISH GRADE FIRE HYDRANT FLOW LINE FLOW LINE
FLANGE
FINISH SURFACE
GALVANIZED
GALLONS PER MINUTE
GATE VALVE
HYDRAULIC GRADE LINE
HORIZONTAL
INSIDE DIAMETER
INCH

INVERT ELEVATION INVERT ELEVATION
LENGTH
LINEAR FOOT
MANHOLE
MISCELLANEOUS
MECHANICAL JOINT
NOT TO SCATE
ON CENTER
OUTSIDE DIAMETER
PLAIN END
PROPERTY LINE
POINT OF REVERSE CURVE
POUNDIS PER SQUARE INCH
POLYNINL CHLORIDE
PAVEMENT
RIGHT OF WAY

LITHIS OF THE PROPERTY OF THE

PVC POLYMINY CHLORIDE
PVMT PAYEMENT
R/W RIGHT OF WAY
RCP REINFORCED CONCRETE PIPE
RR RAILROAD
S SLOPE
SCH SCHEDULE
SD STORM DRAIN
SDR STANDARD DIMENSION RATIO
SE SAND EQUIVELENT
SF SQUARE FOOT
SHT SHEET
SPPLC STANDARD PLANS FOR PUBLIC WORKS
CONSTRUCTION
SSPWD STANDARD PLANS FOR PUBLIC WORKS
CONSTRUCTION
STANDARD SPECIFICATIONS FOR PUBLIC
WORKS CONSTRUCTION
STA STATION
STA STANDARD
STD STANDARD
STD STANDARD
STD STANDARD
STD STANDARD
STD STANDARD
STD TYPOPCAL
VERTICAL
WATCH WARCH TARFFIC CONTROL
HANDBOOK
WT WEIGHT

WEIGHT
VENTURA COUNTY WATERWORKS DISTRICT NO 8 WT WWD8

SYMBOL LEGEND (FXIST SHOWN IN GREY)

AIR VAC ASSEMBLY BLOW-OFF ASSEMBLY CLEAN-OUT CATCH BASIN Т CURB RAMP 1 1 DRIVEWAY END CAP / PLUG TTT EARTHWORK/GRADING FIRE HYDRANT (PROVIDE BLUE

+Q+ REFLECTIVE RAISED PAVEMENT MARKER) IRON PIPE / SURVEY MARKER

(S) MANHOLE (LABELED) POWER POLE PRESSURE REGULATION VALVE PULLBOX \rightarrow REDUCER / ENLARGER

<u>∞</u>π STREET LIGHT THRUST BLOCK

0 TREE VENTURA COUNTY SURVEY MONUMENT

VALVE (LABELED) VAULT (LABELED) WATER METER

9/

DETAIL NUMBER SHEET NUMBER

LOCATION MAP LOCSCALE BENCHMARK VENTURA COUNTY BM 72-5 ELEV. 1083.21 (NAVD 1988) A 3.5" VENTURA COUNTY BRASS DISK LOCATED 3.25 MILES SOUTHEASTERLY ALONG THE SOUTHERN PACIFIC RAILROAD FROM THE POST OFFICE IN SANTA SUSANA PASS ROAD, THENCE 0.2 MILE WESTERLY ALONG KATHERINE ROAD TO A PAVED PARKING LOT OF THE SANTA SUSANA CITY PARK, SET IN THE EAST END AND IN THE TOP OF A CONCRETE CURB OF A TRIANGURA CONCRETE SLAB AND A FLAGPOLE ABOUT IN THE CENTER OF THE SLAB, 105.6 FEET NORTHWEST OF THE CENTER OF THE ROAD, 0.7 FEET EAST OF A FLAG POLE, 0.78 FEET WEST OF THE CAST STATE OF THE CURB, 0.7 FEET ABOVE THE PARKING LOT SURFACE.

PROJECT LOCATION

WATER PRESSURE ZONE

RECORD DRAWING CERTIFICATE I HEREBY CERTIFY THAT THE WATER
SYSTEM SHOWN ON DRAWINGS
THROUGH
HAVE BEEN CONSTRUCTED IN
CONFORMANCE WITH LINES AND GRADES
AS SHOWN ON SAID PLANS AND
REFERENCED SPECIFICATIONS.

REGISTERED CIVIL ENGINEER R.C.E. NO.

VENTURA COUNTY FIRE PROTECTION DISTRICT DEVIEWED DATE WITH

PROJECT LOCATION 153

VICINITY MAP

NOT TO SCALE

WWD8 BOUNDAR

LAKE MANOR DR

WWD8 BOUNDARY

— — CITY BOUNDARY

- COUNTY BOUNDARY

REQUIRED FIRE FLOW © 20 PSI. HYDRANTS SHALL BE INSTALLED PER VCFI AND WWD8 STANDARDS. ·Q+ = DENOTES 6" WET BARREL HYDRAN 4" & 2 %" OUTLETS.

SHEET PROJECT1 1W OF TW PROJECT2 SHEET NUMBER



2021

PLATE 101

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18/

SHEE

TITLE

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rks 8 works Ü **District** a





DESBY DRNBY DATE VENTURA COUNTY WATERWORKS DISTRICT NO.

PROJECT3 SVNUM

DWG

DATE