

MAP AND CONSTRUCTION PLAN FOR RINCONADA WATER TREATMENT PLANT INTERIM SITE RESTORATION PROJECT PROJECT NO. 93294057

100% DESIGN DRAWINGS



PREPARED BY:



Carla S. Duncan 3/1/21
 CARLA S. DUNCAN, P.E.
 SENIOR PROJECT MANAGER
 CDM SMITH
 DATE

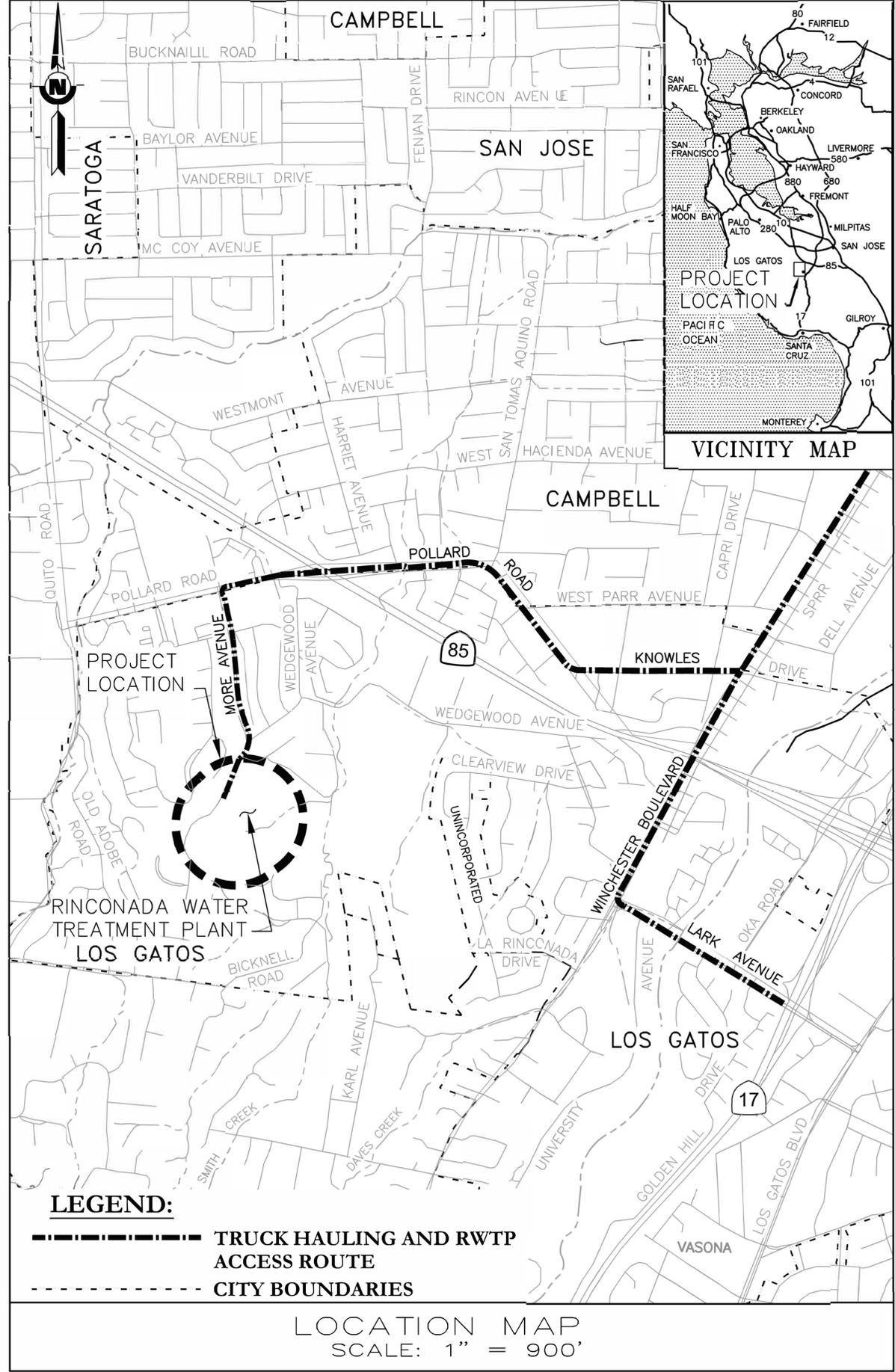
APPROVED BY:

Brandon Ponce 3/4/2021
 BRANDON PONCE P.E.
 TREATMENT PLANTS PROJECT DELIVERY
 UNIT MANAGER
 SANTA CLARA VALLEY WATER DISTRICT
 DATE

Heath McMahon 3/23/2021
 HEATH McMAHON P.E.
 DEPUTY OPERATING OFFICER
 WATER UTILITY CAPITAL DIVISION
 SANTA CLARA VALLEY WATER DISTRICT
 DATE

ACCEPTED BY:

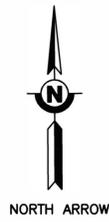
Bhavani Yerrapotu 3/23/2021
 BHAVANI YERRAPOTU P.E.
 DEPUTY OPERATING OFFICER
 TREATED WATER DIVISION
 SANTA CLARA VALLEY WATER DISTRICT
 DATE



DOCUMENT NUMBER: RWT-G-9329-67135
 USERNAME: RushWA Mon 01 Mar 2021 04:35pm
 FILENAME: c:\pwworking\valleywater\2374880\93294057-01

CONTRACT NUMBER	C6070
PROJECT NUMBERS	93294057
SHEET CODE:	G-1
PAGE NUMBER:	1 OF 25



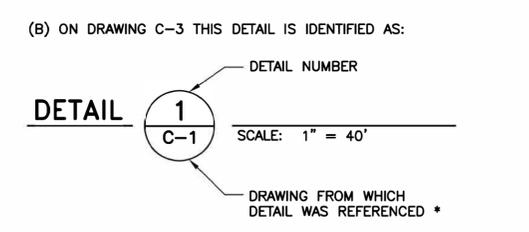
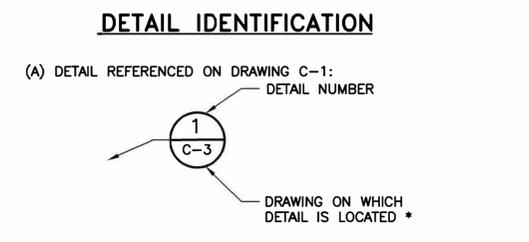
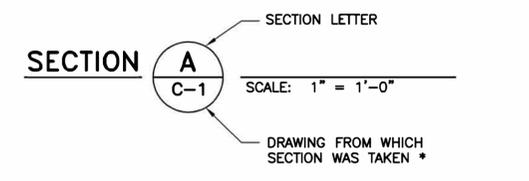
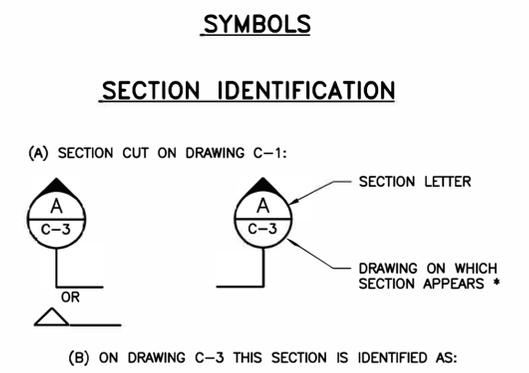


ACRONYMS

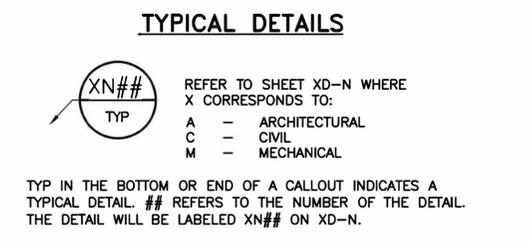
A	AREA	INST	INSTRUMENTATION
ABC	AGGREGATE BASE COURSE	LA/FC	LIQUID ALUM / FERRIC CHLORIDE
AC	ASPHALTIC CONCRETE	LDV	LEAK DETECTION VAULT
ALT	ALTERNATE	MAX	MAXIMUM
ALTN	ALTERNATE	MFR	MANUFACTURER
BC	BEGINNING OF CURB	MIN	MINIMUM
BFV	BUTTERFLY VALVE	MH	MANHOLE
BMP	BEST MANAGEMENT PRACTICE	OC	ON CENTER
BOT	BOTTOM	OD	OUTSIDE DIAMETER
CARV	COMBINATION AIR RELIEF VALVE	OF	OVERFLOW
CB	CATCH BASIN	PAC	POWDERED ACTIVATED CARBON
CCTV	CLOSED-CIRCUIT TELEVISION	PJF	PREMOLDED JOINT FILLER
CJ	CONCRETE JOINT	PLC	PROGRAMMABLE LOGIC CONTROLLER
CL	CLASS	PT	POINT
CLR	CLEAR	PVC	POLYVINYL CHLORIDE
CLSM	CONTROLLED LOW-STRENGTH MATERIAL	PVCH	POLYVINYL CHLORIDE HOSE
CML	CEMENT-LINED	PVCP	POLYVINYL CHLORIDE PIPE
CMU	CONCRETE MASONRY UNIT	PVMT	PAVEMENT
CO	CLOSEOUT	PW	PROCESS WATER
COMP	COMPACTION	R	RADIUS
CONC	CONCRETE	REINF	REINFORCEMENT
CONT	CONTINUOUS	REL	RELATIVE
CPLG	COUPLING	REQ'D	REQUIRED
D	DIAMETER / DRAIN	RSP	ROCK SLOPE PROTECTION
DEG	DEGREE	RUBH	RUBBER HOSE
DIA	DIAMETER	SCH	SCHEDULE
E	EXISTING	SCLP	STEEL CEMENT LINED PIPE
EA	EACH	SD	STORM DRAIN
EC	END OF CURB	SDMH	STORM DRAIN MANHOLE
EL	ELEVATION	SQ	SQUARE
ELEC	ELECTRIC	SS	STAINLESS STEEL
ES	EACH SIDE	SSMH	SANITARY SEWER MANHOLE
ESEW	EMERGENCY SHOWER EYEWASH	SSP	STAINLESS STEEL PIPE
EX	EXISTING	SST	STAINLESS STEEL
EW	EACH WAY	STL	STEEL
FG	FINISHED GRADE	T&B	TOP AND BOTTOM
FL	FLOW LINE	TC	TOP OF CURB
FPT	FEMALE PIPE THREAD	TD	TOP OF DIKE
FT	FOOT	TEMP	TEMPORARY
GALV	GALVANIZED	THD	THREADED
GB	GRADE BREAK	TOC	TOP OF CONCRETE
GR	GUARDRAIL	TYP	TYPICAL
HDPE	HIGH-DENSITY POLYETHYLENE PIPE	UNO	UNLESS OTHERWISE NOTED
HH	HANDHOLE	V	VENT
HK	HOOK	VW	VALLEY WATER
ID	INNER DIAMETER	WWR	WASHWATER RECOVERY
IE	INVERT ELEVATION		

SYMBOL	FEATURE
	DEPRESSION CONTOUR
	EXISTING CONTOUR AND ELEVATION
	NEW CONTOUR AND ELEVATION
	SPOT ELEVATION
	EXISTING EMBANKMENT (REVERSE SYMBOLS FOR CHANNEL)
	PROPOSED EMBANKMENT (REVERSE SYMBOLS FOR CHANNEL)
	EXISTING FACILITY
	NEW OR MODIFIED EXISTING FACILITY (DARKER LINE WORK)
	EXISTING VEGETATION
	EDGE OF EXISTING TREES, BUSHES, OR OTHER VEGETATION
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING UTILITY BOXES, VAULTS, HANDHOLES, MANHOLES
	EXISTING WELL
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM DRAIN MANHOLE
	EXISTING CLEANOUT
	EXISTING RISER PIPE
	EXISTING WATER VALVE
	EXISTING DROP INLET
	NEW MANHOLE
	NEW DROP INLET
	EXISTING FENCING
	EXISTING UNDERGROUND ELECTRICAL
	EXISTING UNDERGROUND STORM DRAIN
	EXISTING WATER MAIN
	NEW PIPE
	NEW STORM DRAIN PIPE
	DEMOLITION OF EXISTING IMPROVEMENT
	NEW RETAINING WALL
	EXISTING RETAINING WALL

SYMBOL	FEATURE
	SCARIFY SOIL (SECTION)
	SAND/MORTAR (SECTION)
	AGGREGATE BASE, CLASS 2 PERMEABLE, CONCRETE ROCK SLOPE PROTECTION
	STRUCTURAL FILL/BACKFILL (SECTION)
	NON-STRUCTURAL FILL/BACKFILL (SECTION)
	UNDISTURBED EARTH (SECTION)
	POST-CONSTRUCTION BMPs (PLAN)
	CONCRETE (PLAN AND SECTION)
	PAVEMENT OR SIDEWALK (SECTION)
	TEMPORARY ASPHALT CONCRETE PAVEMENT (PLAN)
	PERMANENT ASPHALT CONCRETE PAVEMENT (PLAN)
	NORTHING AND EASTING COORDINATES
	BENCHMARK
	AC DIKE
	CURB AND GUTTER
	CURB
	V-GUTTER
	TRENCH DRAIN



* NOTE: IF SECTION OR DETAIL APPEARS ON THE SAME DRAWING AS THE CALL-OUT, THE DRAWING NUMBER IS REPLACED WITH A DASH.



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DOCUMENT NUMBER: RWT-G-9329-67138

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

CDM Smith
 2300 Clayton Rd. #950
 Concord, CA 94520
 Tel: (925) 933-2900
 Fax: (925) 933-4174

DATE	MAR 2021
DESIGN	RAV
DRAWN	ON
CHECKED	RHV

ENGINEERING CERTIFICATION

03/01/2021
ENGINEER DATE

SANTA CLARA VALLEY WATER DISTRICT

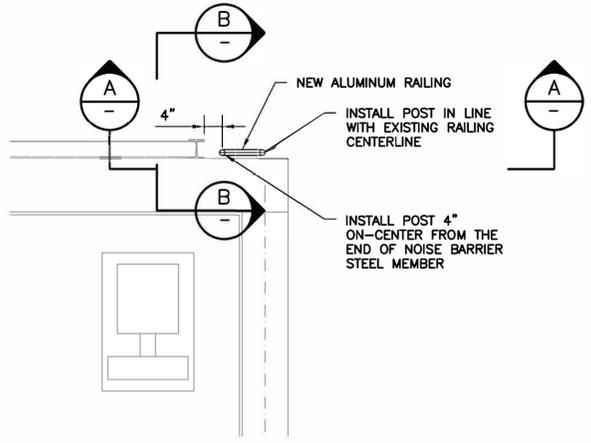
3/4/2021
PROJECT ENGINEER DATE

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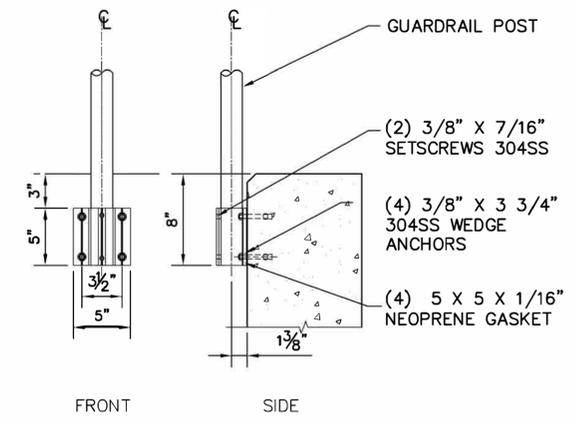
RINCONADA WTP INTERIM SITE RESTORATION PROJECT

GENERAL SYMBOLS

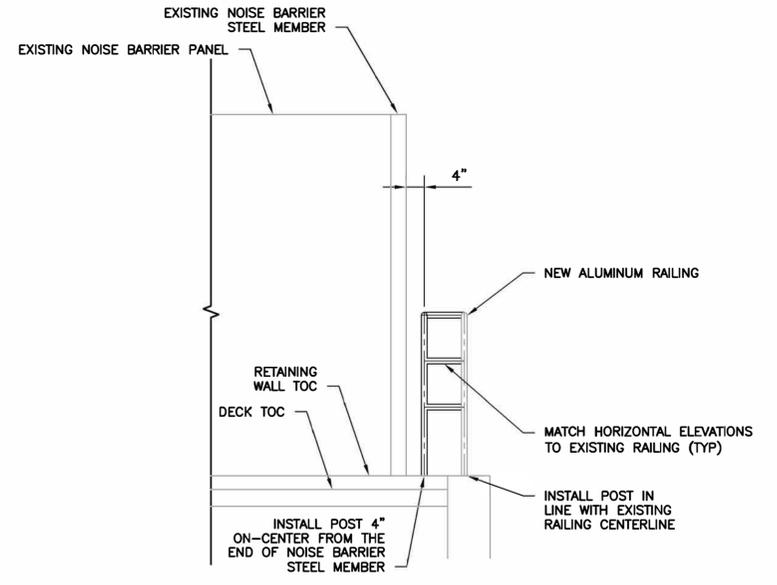
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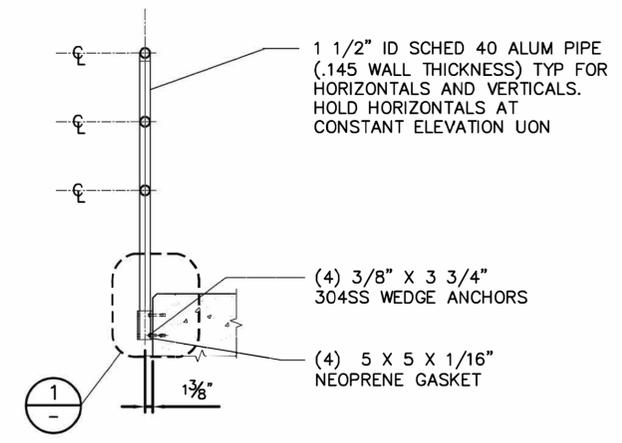
PARTIAL PLAN 1 RAILING AT NOISE BARRIER
 C-1 SCALE: N.T.S.



DETAIL 1 POST DETAIL
 SCALE: N.T.S.



SECTION A
 SCALE: N.T.S.



SECTION B
 SCALE: N.T.S.

- NOTES:
1. FIELD VERIFY AND MEASURE ALL DIMENSIONS.
 2. FIELD VERIFY ALL EXISTING CONDITIONS.

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 DOCUMENT NUMBER: RWT-C-9329-67151

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

CDM Smith
 2300 Clayton Rd. #950
 Concord, CA 94520
 Tel: (925) 933-2900
 Fax: (925) 933-4174

DATE	MAR 2021
DESIGN	RAV
DRAWN	RJG
CHECKED	RHV

ENGINEERING CERTIFICATION

 03/01/2021
 ENGINEER DATE

SANTA CLARA VALLEY WATER DISTRICT

 3/4/2021
 PROJECT ENGINEER DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP INTERIM SITE RESTORATION PROJECT
ALUMINUM RAILING MODIFICATIONS

SCALE	PROJECT NUMBER
AS SHOWN	93294057
VERIFY SCALES	SHEET CODE:
	CD-4
	PAGE NUMBER:
	17 OF 25



LOWER BASE OF EXISTING ESEW BY INSERTING A SPOOL PIECE INTO VERTICAL SECTION OF ESEW

REPLACE CHAIN SO THAT FINAL FOOT PEDAL ANGLE TO HORIZONTAL MATCHES EXISTING.

C207
TYP
INSTALL ON EXISTING CONCRETE. CONSTRUCT NEW 6" SLAB IF NECESSARY TO ACHIEVE FLUSH INSTALLATION PER MANUFACTURER INSTRUCTIONS. NEW SLAB TO MATCH EXISTING VAULT TOC ELEVATION.

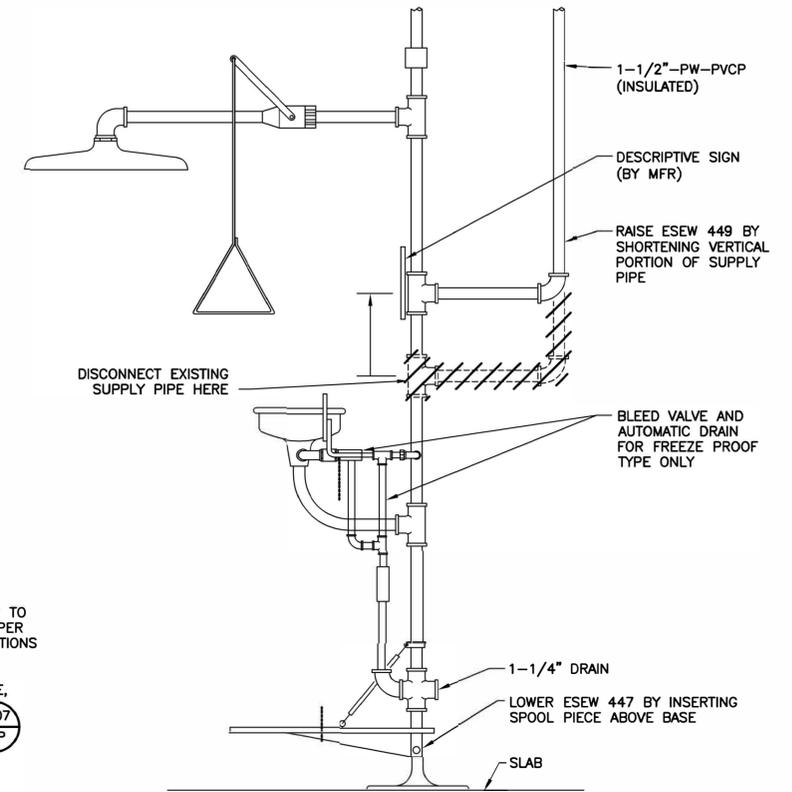
DETAIL 1 ESEW 447 REPAIR
C-2 SCALE: NTS



RAISE EYEWASH SHOWER TO INSTALL ON NEW SLAB PER MANUFACTURER INSTRUCTIONS

6-INCH SLAB ON GRADE, 16-INCH SQUARE TOC EL. TO MATCH EXISTING **C207** TYP

DETAIL 2 ESEW 449 REPAIR
C-2 SCALE: NTS



DETAIL 3 EMERGENCY SHOWER WITH EYE/FACE WASH
SCALE: N.T.S.

NOTES:
1. FIELD VERIFY ALL EXISTING CONDITIONS.
2. REPLACE PIPING INSULATION OF ANY ALTERED PIPING SECTIONS.

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DOCUMENT NUMBER: RWT-W-9329-67158

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

CDM Smith
2300 Clayton Rd., #950
Concord, CA 94520
Tel: (925) 933-2900
Fax: (925) 933-4174

DATE	MAR 2021
DESIGN	RAV
DRAWN	RJG
CHECKED	JKN

ENGINEERING CERTIFICATION
SANTA CLARA VALLEY WATER DISTRICT

03/01/2021
ENGINEER DATE

SANTA CLARA VALLEY WATER DISTRICT

3/4/2021
PROJECT ENGINEER DATE

PROJECT NAME AND SHEET DESCRIPTION:
RINCONADA WTP INTERIM SITE RESTORATION PROJECT
EMERGENCY SHOWER EYEWASH REPAIR DETAILS

SCALE	AS SHOWN	PROJECT NUMBER	93294057
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