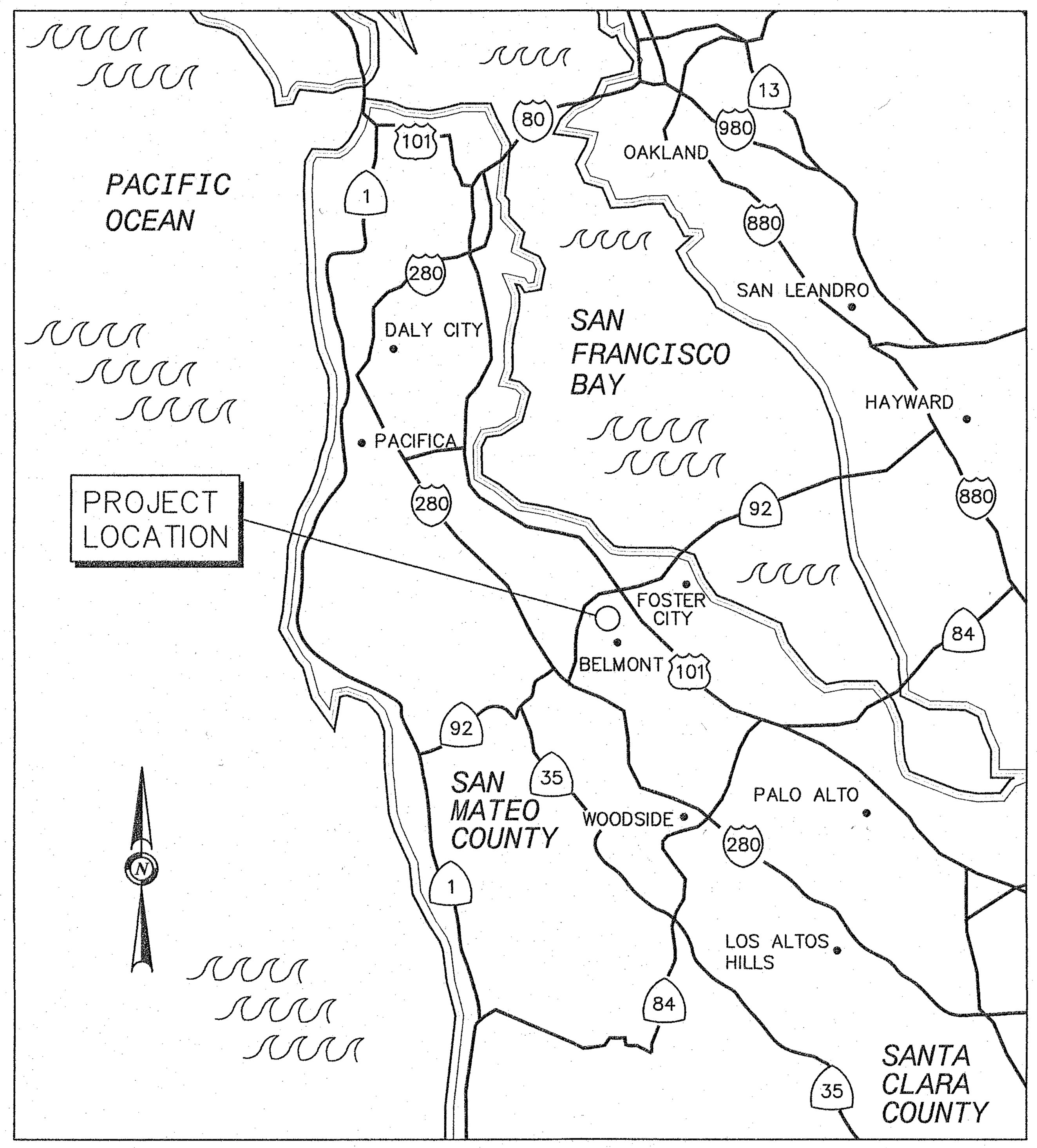
MID-PENINSULA WATER DISTRICT

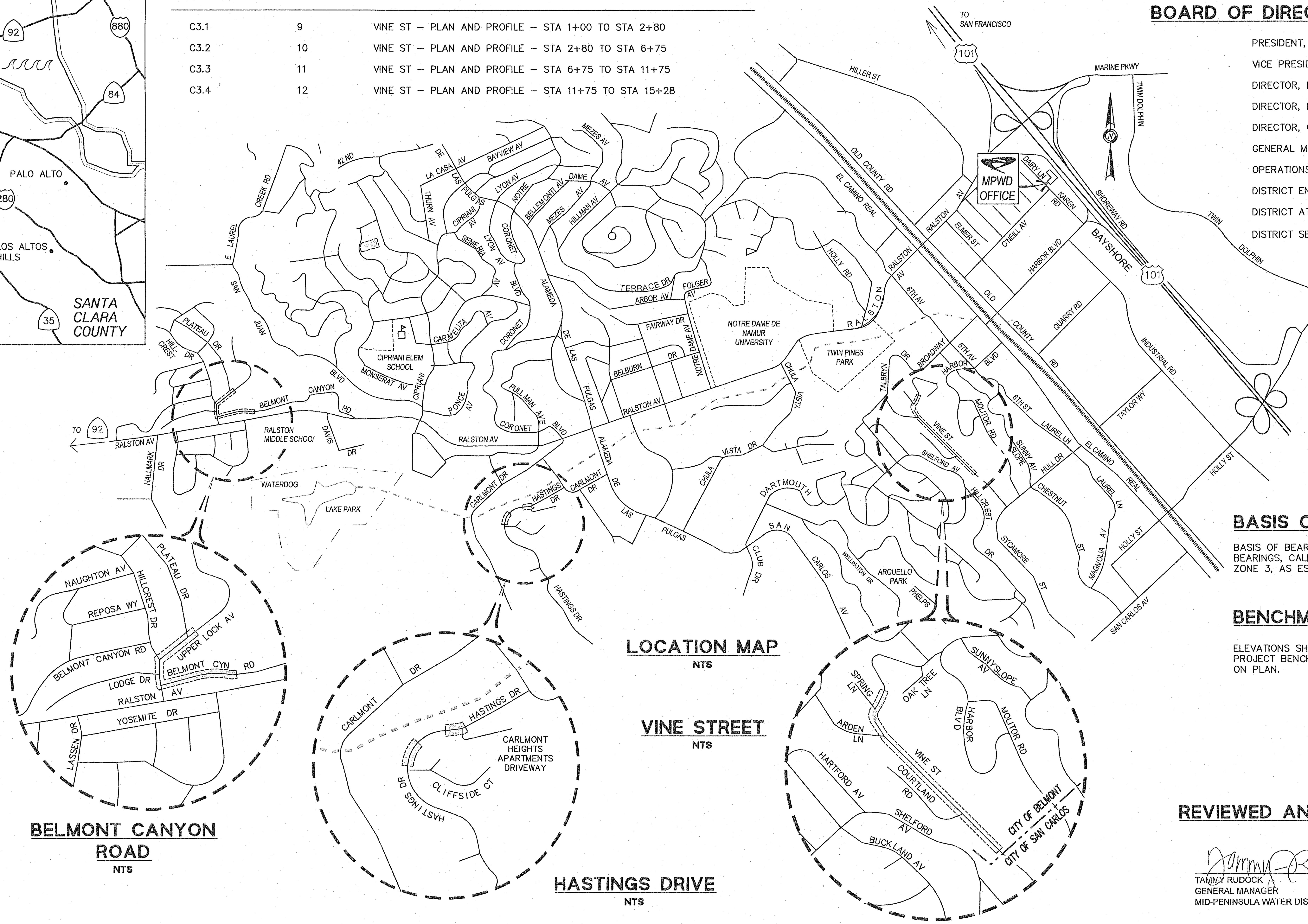
HASTINGS DR, VINE ST, BELMONT CANYON RD WATER MAIN IMPROVEMENTS 09-1621-CP

MID-PENINSULA WATER DISTRICT – SAN MATEO COUNTY, CA

SHEET INDEX



VICINITY MAP
NTS



LOCATION MAP
NTS

BELMONT CANYON ROAD
NTS

VINE STREET
NTS

HASTINGS DRIVE
NTS

BOARD OF DIRECTORS AND STAFF

PRESIDENT, BRIAN SCHMIDT
VICE PRESIDENT, KIRK R. WHEELER
DIRECTOR, LOUIS VELLA
DIRECTOR, MATTHEW P. ZUCCA
DIRECTOR, CATHERINE MOSTASISA WRIGHT
GENERAL MANAGER, TAMMY RUDOCK
OPERATIONS MANAGER, RENE RAMIREZ
DISTRICT ENGINEER, JOUBIN PAKPOUR, P.E.
DISTRICT ATTORNEY, JULIE SHERMAN
DISTRICT SECRETARY, CANDY PIÑA

BASIS OF BEARINGS

BASIS OF BEARINGS FOR THIS SURVEY IS GRID BEARINGS, CALIFORNIA STATE PLAN COORDINATES, ZONE 3, AS ESTABLISED BY OPUS SOLUTION.

BENCHMARK

ELEVATIONS SHOWN ARE BASED ON NVGD 88 DATUM. PROJECT BENCHMARKS ARE AS SHOWN AND NOTED ON PLAN.

REVIEWED AND APPROVED BY

Tammy Rudock 10/18/21
TAMMY RUDOCK DATE
GENERAL MANAGER
MID-PENINSULA WATER DISTRICT

REVISIONS

NO.	DESCRIPTION	DATE	BY	APPD
3	REVISED BY ADDENDUM NO. 3 – COMPLETE PLAN REISSUE	10/18/21	BL	JP

REGISTERED PROFESSIONAL ENGINEER No. C 59155 CIVIL STATE OF CALIFORNIA JOUBIN PAKPOUR 10/18/21

Pakpour Consulting Group, Inc.
5776 Stoneridge Mall Road, Ste 320
Pleasanton, CA 94588
P: 925.224.7717 F: 925.224.7726
www.pcgengr.com

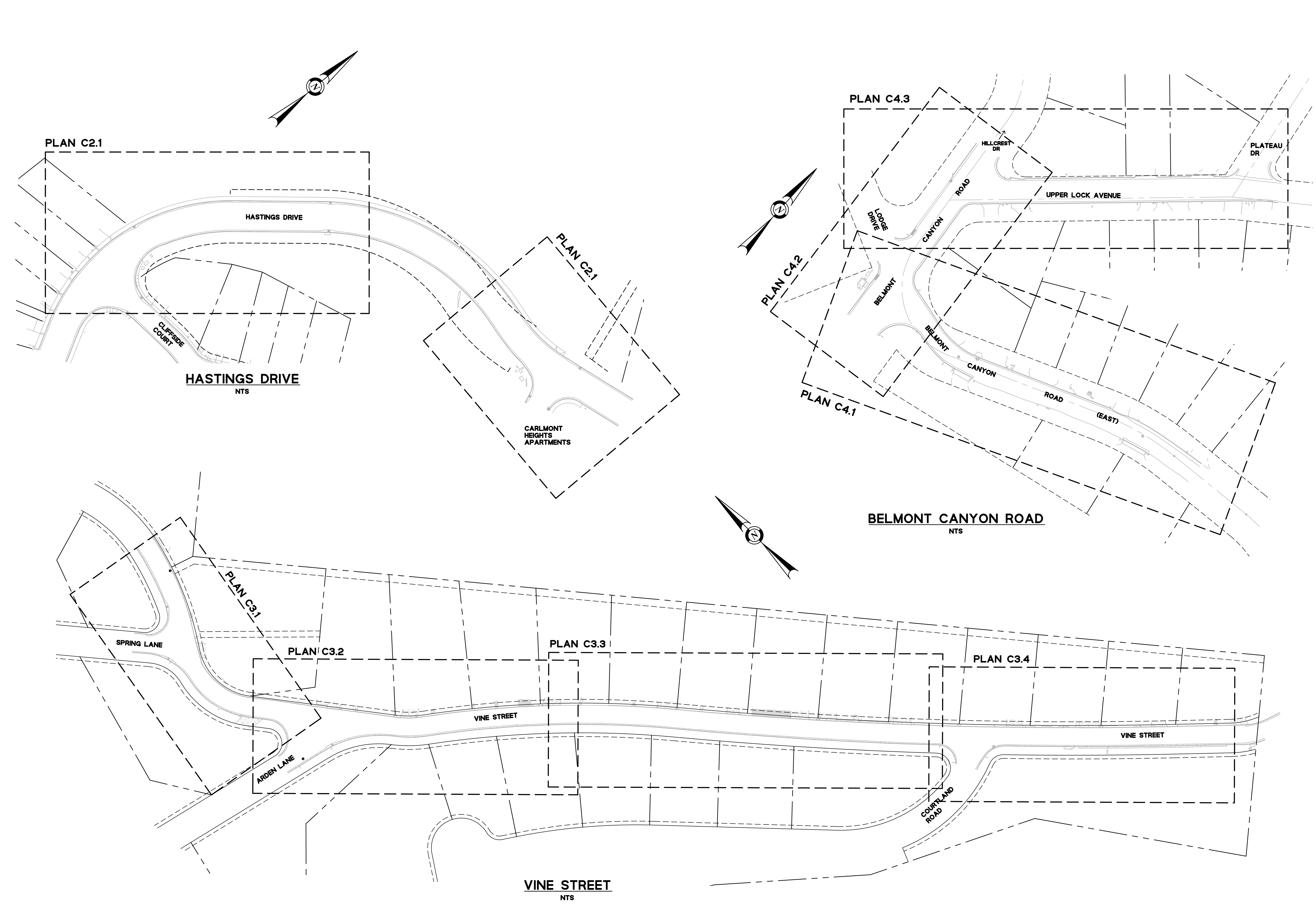
DRAWN: VICTOR FUNG
DESIGNED: VICTOR FUNG
CHECKED: BRANDON LAURIE
APPROVED: JOUBIN PAKPOUR

MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
TITLE SHEET, SURVEY NOTES, SHEET INDEX VICINITY AND LOCATION MAPS

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26
PLAN G1.1
SHEET 1 OF 19

FOR REDUCED ENGLISH PLANS ORIGINAL SCALE IS IN INCHES

DRAWING NAME: J:\CAD\10012.26\Plot Sheets\Addendum No. 3-Plan Reissue\01-HVBCTS.dwg
PLOT DATE: 10-18-21 PLOTTED BY: Blaurie



FOR REDUCED ENGLISH PLANS
ORIGINAL SCALE IS IN INCHES

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MID-PENINSULA WATER DISTRICT

HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS

SHEET INDEX MAP

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

PLAN G1.2
SHEET 2 OF 19

GENERAL NOTES

1. THE DEPICTION OF UNDERGROUND UTILITY LINES ARE BASED UPON ASSUMPTIONS PER U.S.A. MARKINGS OBSERVED IN THE FIELD. NO AS-BUILT UTILITY PLANS WERE PROVIDED FOR VERIFICATION OF THESE UTILITY LOCATIONS. CONTRACTOR TO VERIFY LOCATIONS. UTILITY LOCATIONS AND CLEARANCES ARE APPROXIMATE. CONTACT U.S.A. (CALL 811) 3 DAYS BEFORE EXCAVATION TO MARK EXISTING UTILITIES. THE CONTRACTOR SHALL POTHOLE FOR UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION TO ADJUST THE GRADE OF THE WATER MAIN TO MAINTAIN DESIRED CLEARANCES PER DISTRICT STANDARDS. NO PIPE SHALL BE INSTALLED UNTIL POTHOLING IS COMPLETED. NO ADDITIONAL PAYMENT WILL BE MADE FOR GRADE ADJUSTMENTS OF LESS THAN 24" UNLESS EXTRA MATERIALS ARE REQUIRED SUCH AS FITTINGS OR CONCRETE ENCASEMENT.
2. ALL CONSTRUCTION MUST BE TO THE MID-PENINSULA WATER DISTRICT, CITY OF BELMONT, COUNTY OF SAN MATEO, CALTRANS STANDARDS AND ACCEPTED BY THE DISTRICT. CONTRACTOR IS RESPONSIBLE FOR MAKING ALL ARRANGEMENTS FOR SITE INSPECTIONS AND ENSURING ALL CURRENT STANDARDS FOR THE CITY, COUNTY AND THE DISTRICT ARE FOLLOWED PRIOR TO BEGINNING ANY CONSTRUCTION PHASE.
3. ALL NEW WATER MAIN, INCLUDING TIE-INS, SHALL BE CONSTRUCTED ENTIRELY OF CLASS 350 ZINC-COATED DUCTILE IRON PIPE INCLUDING FITTINGS. PIPE AND FITTINGS SHALL ALL HAVE RESTRAINED OR MECHANICAL JOINTS AT ALL FITTINGS, HYDRANT RUNS, AND TIE-INS. PIPE BONDING REQUIRED ON NEW WATER MAIN PER PLAN C1.4.
4. DUST CONTROL DURING ALL PHASES OF CONSTRUCTION IS THE CONTRACTOR'S RESPONSIBILITY. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN GOOD HOUSEKEEPING OF (E) IMPROVEMENTS IN THE CONSTRUCTION AREA. CONTRACTOR SHALL PROTECT EXCAVATED SPOILS PER THE WATER POLLUTION CONTROL PLAN AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS.
5. NO ASPHALT SHALL BE DELIVERED TO THE JOB SITE AFTER 3:00 P.M. ON ANY DAY WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DISTRICT. NO SLURRY SEAL SHALL BE PLACED AFTER 2:00 P.M.
6. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (INCLUDING ANY STREET CLOSURE DETAILS AND DETOUR PLANS), PREPARED AND SIGNED BY A CIVIL ENGINEER, FOR REVIEW AND COMMENTS BY THE DISTRICT AND THE CITY PRIOR TO BEGINNING WORK. ALLOW 2 WEEKS FOR REVIEW AND COMMENTS.
7. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL RESTORE ANY AND ALL PAVEMENT AND OTHER FACILITIES OUTSIDE LIMITS OF WORK AFFECTED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DOCUMENT (E) CONDITIONS PRIOR TO START OF WORK TO SUBSTANTIATE ANY PRE-EXISTING DAMAGE.
8. TIE-INS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL NOT BE ENTITLED TO EXTRA PAYMENT IF ADDITIONAL PIPE, COUPLINGS, SLEEVES OR OTHER APPURTENANCES ARE REQUIRED TO COMPLETE A TIE-IN.
9. PIPE BEDDING AND TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH DETAILS 1/C1.2 THROUGH 4/C1.2.
10. PROCEDURES FOR ABANDONING (E) PIPE ARE INCLUDED IN SECTION 33 14 10 "ABANDONMENT OF EXISTING WATER MAIN AND FACILITIES".
11. THE WATER SYSTEM SHALL REMAIN IN SERVICE THROUGHOUT THE PROJECT. SERVICE INTERRUPTIONS SHALL BE MINIMIZED AND SHALL BE COORDINATED WITH THE DISTRICT AT (650) 591-8941. THE CONTRACTOR SHALL NOT OPERATE ANY DISTRICT OWNED VALVES AND HYDRANTS UNLESS AUTHORIZED BY THE DISTRICT.
12. THE CONTRACTOR SHALL NOT OPERATE DISTRICT FACILITIES UNLESS DIRECTED BY THE DISTRICT.
13. THE DISTRICT SHALL BE NOTIFIED AT LEAST 72 HOURS IN ADVANCE FOR ANY SCHEDULED TIE-INS. NO TIE-INS OR SHUTDOWNS ARE ALLOWED ON MONDAYS AND FRIDAYS OR THE DAY PRECEDING A HOLIDAY. ONLY TWO SHUT DOWNS PER WEEK ARE ALLOWED.
14. THE CONTRACTOR SHALL DESIGNATE A PERSON TO CONTACT SHOULD PROBLEMS OCCUR DURING NON-WORKING HOURS. THE DISTRICT SHALL BE GIVEN THAT PERSON'S NAME AND PHONE NUMBER.
15. WATER STRUCTURES REMOVED FROM THE GROUND NOT LIMITED TO GATE VALVES, CHECK VALVES, COPPER SERVICE LINES, ETC SHALL BECOME PROPERTY OF THE CONTRACTOR AND PROPERLY DISPOSED.
16. DEFLECT PIPE JOINTS ±3 DEGREES AS RECOMMENDED BY THE MANUFACTURER TO MAINTAIN ALIGNMENT.
17. (E) WATER MAIN ELEVATIONS ARE APPROXIMATE AND BASED ON NEARBY GATE VALVE NUT DEPTHS.
18. (E) STORM DRAIN AND SANITARY SEWER MAIN ELEVATIONS ARE APPROXIMATE AND BASED ON NEARBY MANHOLE/CATCH BASIN INVERTS.
19. TIE-INS TO (E) WATER MAIN SHALL BE 30" MIN AWAY FROM A SLEEVE OR AS DIRECTED BY THE DISTRICT.
20. SHORING IS REQUIRED FOR TRENCH DEPTHS GREATER THAN 5 FEET (60").

CONSTRUCTION LEGEND

1. POTHOLE IS REQUIRED AT ALL MARKED UTILITY CROSSINGS ALONG THE ALIGNMENT OF THE WATER MAIN TO AVOID POSSIBLE CONFLICT. NOT ALL POTENTIAL POTHOLES MAY BE SHOWN ON THE PLANS. DOCUMENT AND VERIFY THE SIZE, DEPTH OF ALL MARKED OR UNMARKED UTILITIES ON THE PROJECT. ADJUST THE GRADE OF THE WATER MAIN AND SERVICE CONNECTIONS TO MAINTAIN SPECIFIED CLEARANCES. ANY ADJUSTMENTS MUST BE REVIEWED AND APPROVED BY THE DISTRICT PRIOR TO WATER MAIN INSTALLATION.

   AT ALL TIE-IN CONNECTIONS TO (E) WATER MAIN: USE A 12" LONG DISTRICT APPROVED COUPLING OR SLEEVE.
2. **CAUTION:** LOW OVERHEAD UTILITIES
3. REMOVE PORTION OF (E) WATER MAIN AND APPURTENANCES (GATE VALVE, FITTINGS, OR HYDRANT ETC) TO COMPLETE THE FOLLOWING: (A) TIE-IN CONNECTIONS, (B) WATER MAIN INSTALLATION, (C) APPURTENANCE INSTALLATION (BLOW-OFF, ARV, HYDRANT, ETC) OR (D) WATER MAIN ABANDONMENT.
4. ABANDON WATER MAIN.
5. REPLACE CURB/GUTTER, SIDEWALK, AND/OR CONCRETE GUTTER PER THE CITY OF BELMONT STANDARD DETAILS FOUND IN THE PROJECT SPECIFICATIONS APPENDIX. REMOVE TO THE NEAREST SCORE LINE AS DIRECTED BY THE DISTRICT AND APPROVED BY THE CITY.
6. DRAIN (E) WATER MAIN FOR ABANDONMENT OR FOR WATER MAIN CONNECTION- PROPERLY INSTALL BMP'S AT ALL INLETS PRIOR TO CUTTING PIPE. WATER SHALL BE PUMPED FROM THE TRENCH INTO AN APPROVED FILTER SOCK WITH DECHLORINATION TABLETS. NO EXCEPTIONS. INSTALL A CONCRETE PLUG AT THE END OF THE ABANDON WATER MAIN AS SHOWN ON THE PLANS.
7. GAVE VALVE REMOVAL

   PAVED AREA: SAW-CUT 1 FOOT RECTANGLE AROUND THE GV COVER TO REMOVE BOX AND PVC RISER. FOR MULTIPLE VALVES, EXTEND THE AREA TO INCLUDE ALL THE VALVES. BACKFILL WITH CLASS 2 AB AND COMPACT OT 95% RC AND PAVE THE AREA.

   DIRT AREA: REMOVE VALVE BOX, LID, AND RISER. BACK FILL WITH NATIVE AND COMPACT 90% RC. LANDSCAPE AREAS: RESTORE IN KIND.
8. INSTALL OVER THE (E) WATER MAIN.
9. ABANDON (E) FH ASSEMBLY IN PLACE - REMOVE FIRE HYDRANT AND CHECK VALVE (IF ANY). CUT BURY 6" BELOW GRADE (FLANGE TO BE REMOVED) AND FILL HYDRANT LATERAL WITH 2-SACK SLURRY BETWEEN HYDRANT GATE VALVE AND THE CUT LOCATION. RESTORE SURFACE TO (E) CONDITIONS PER DETAILS SHOWN ON DETAIL 1 THRU 4, PLAN C1.2.
10. REMOVE AND REPLACE GATE VALVE BOX PER 5/C1.2. SAW-CUT 1 FOOT RECTANGLE AROUND THE GV COVER.

DISTRICT REPRESENTATION AND PUBLIC RELATIONS SPECIAL PROVISIONS

1. THE CONTRACTOR WILL BE REPRESENTING THE DISTRICT DURING THE COURSE OF THIS PROJECT. CONTRACTOR SHALL ACT AND BEHAVE IN A PROFESSIONAL MANNER AT THE JOB SITE AND WITHIN THE VICINITY AT ALL TIMES. A COPY OF THE COMPANY'S EMPLOYEE AND WORKPLACE HANDBOOK SHALL BE KEPT ON SITE. ANY WORKER(S) NOT ADHERING TO THE POLICY WILL BE ASKED TO BE REMOVED FROM THE PROJECT. THE DISTRICT HAS ZERO TOLERANCE FOR DESTRUCTIVE BEHAVIOR TOWARDS STAFF, WORKERS, AND HOMEOWNERS.
2. THE CONTRACTOR SHALL MAINTAIN RESIDENT ACCESS AT ALL TIMES.
3. WORK HOURS ARE 8:00 AM TO 5:00 PM MONDAY THRU FRIDAY. CONSTRUCTION EQUIPMENT (COMPRESSORS, BACK-HOE, ETC) CANNOT BE TURNED ON BEFORE 8:00 AM TO IDLE.
4. HOUSEKEEPING: CONTRACTOR SHALL KEEP GARBAGE CONTAINED AND REMOVED FROM THE SITE AT THE END OF EACH DAY. NO EXCEPTIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY. SAFETY MEASURES SHALL BE IMPLEMENTED AT THE END OF EACH WORK DAY.

ABBREVIATIONS

ABN	ABANDON
AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
AD	AREA DRAIN
A.E.	ANCHOR EASEMENT
APPROX	APPROXIMATE(LY)
ARV	AIR RELEASE VALVE
ASMBLY	ASSEMBLY
ATS	ANODE TEST STATION
AVE	AVENUE
BAB	BACK AC BERM
BCR	BELMONT CANYON ROAD
BEG	BEGINNING
BF	BOTTOM FACE
BFV	BACKFLOW VALVE
BK	BREAKLINE
BL	BUILDING
BMPs	BEST MANAGEMENT PRACTICES
BO	BLOW OFF VALVE
BSW	BACK OF SIDEWALK
BW	BOTTOM OF WALL
BRC	BACK ROLL CURB
BRT	BOTTOM OF RETAINING WALL
CAV	COMBINATION AIR VALVE
CB	CATCH BASIN
CG	CURB & GUTTER
CC	CONCRETE
CCP	CONCRETE CYLINDER PIPE
CIP	CAST IRON PIPE
CL	CENTERLINE
CLR	CLEARANCE
CM	CORRUGATED METAL
CN	CORNER
CO	CLEAN OUT
CONC/CNC	CONCRETE
CONN	CONNECTION
CT	COURT
CVR	COVER
CYN	CANYON
D.E.	DRIVEWAY EASEMENT
DI	DRAIN INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DT	DIRT
DISTRICT	MID-PENINSULA WATER DISTRICT
DR	DRIVE
DWY	DRIVEWAY
E	EAST / ELECTRIC
(E)	EXISTING
EB	ELECTRIC BOX
ED	EDGE
ELEC	ELECTRIC
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
ER	EDGE OF ROAD
EV	ELECTRIC VAULT
FDC	FIRE UTILITY
FH	FIRE HYDRANT
FL	FLOW LINE
FNC	FENCE
FND	FOUND
FT	FEET
G	GAS
GND	GROUND
GV	GATE VALVE
HP	HIGH POINT
HYD	HYDRANT
IJTS	INSULATING JOINT TEST STATION
IN	INCHES
INV	INVERT
IP	IRON PIPE
JT	JOINT TRENCH
LA	LANDSCAPE AREA/STRIP
LB	POUNDS
LF	LINEAR FEET
LG	LIP OF GUTTER
MB	MAIL BOX
MG	MAGNESIUM
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
MPWD	MID-PENINSULA WATER DISTRICT
MT	METER
MON	MONUMENT
N	NORTH
(N)	NEW
NIC	NOT IN CONTRACT
OD	OUTER DIAMETER
PG&E	PACIFIC GAS & ELECTRIC
PH	POTHOLE
PP	POWER POLE
PRV	PRESSURE REDUCING VALVE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RC	SERVICE RECONNECTION
REQD	REQUIRED
RET WALL	RETAINING WALL
R/W	RIGHT OF WAY
S	SOUTH
SC	SERVICE CONNECTION
SD	STORM DRAIN
SDCI	STORM DRAIN CURB INLET
SDDI	STORM DRAIN DROP INLET
SDMH	STORM DRAIN MANHOLE
SRV	SERVICE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STL	STEEL
SW	SIDEWALK
TB	THRUST BLOCK
TBC	TOP BACK OF CURB
TBM	TEMPORARY BENCHMARK
TBRC	TOP BACK OF ROLL CURB
TELE	TELEPHONE
TEMP	TEMPORARY
TFB	TOP FACE BERM
TFC	TOP FACE CURB
TOP	TOP OF PIPE
TRANS	TRANSFORMER
TP	TOP PAVEMENT
TW	TOP OF WALL
TYP	TYPICAL
UB	UTILITY BOX
ULA	UPPER LOCK AVENUE
UNK	UNKNOWN
UV	UTILITY VAULT
USA	UNDERGROUND SERVICE ALERT
VIF	VERIFY IN THE FIELD
VL	VALVE
VND	VALVE NUT DEPTH
VS	VINE STREET
W	WATER
W/	WITH
WD	WOOD FENCE
WMB	WATER METER BOX
WV	WATER VALVE
WVT	WATER VAULT
XING	CROSSING
Z	ZONE

LEGEND

PROPOSED

- GATE VALVE
- REDUCER
- SERVICE CONNECTION METER
- FIRE HYDRANT ASSEMBLY
- COMBINATION AIR VALVE
- BLOW OFF ASSEMBLY
- CONCRETE CAP
- NEW WATER MAIN
- 1 CONSTRUCTION NOTE
- 1/C3.2 DETAIL REFERENCE NUMBER / PLAN NUMBER

EXISTING

- POWER POLE
- FIRE HYDRANT
- GUY ANCHOR
- 000.00 SPOT ELEVATION
- TREE
- STREET SIGN
- W SERVICE BOX
- GV GAS VALVE
- WV WATER VALVE
- CLEAN OUT
- CROSS WALK STRIPE
- WATER METER
- S SEWER MANHOLE
- SSCO SEWER CLEANOUT

E	ELECTRIC LINE
G	GAS LINE
OH	OVERHEAD UTILITIES
SD	STORM DRAIN LINE
SS	SANITARY SEWER LINE
W	WATER LINE EXIST
	CHAIN LINK FENCE
	WOODEN FENCE
	WIRE FENCE
99	CONTOUR LINE AND ELEVATION
	CENTER LINE
	RIGHT OF WAY
	EDGE OF PAVEMENT
	PROPERTY LINE
	EDGE OF PAVEMENT
GREEN	UNDERGROUND SERVICE ALERT PAINT MARK - GREEN
BLUE	UNDERGROUND SERVICE ALERT PAINT MARK - BLUE
YELLOW	UNDERGROUND SERVICE ALERT PAINT MARK - YELLOW
RED	UNDERGROUND SERVICE ALERT PAINT MARK - RED
ORANGE	UNDERGROUND SERVICE ALERT PAINT MARK - ORANGE
12"RW	TREE & SIZE O=OAK/RW=REDWOOD

EXISTING UTILITIES, SEWER LATERAL AND BURIED STRUCTURES

1. EXISTING UTILITIES SHOWN ARE SHOWN BASED ON SURVEY INFORMATION AND ARE APPROXIMATE IN LOCATION AND DEPTH. AS PART OF CONSTRUCTION, CONTRACTOR SHALL POTHOLE ALL MARKED UTILITIES.
2. CONTRACTOR SHALL SUPPORT CROSSINGS AND PARALLEL UTILITIES EXPOSED DURING CONSTRUCTION.
3. NOT ALL UTILITY SERVICE LATERALS ARE SHOWN ON THE PLANS AND THOSE THAT ARE SHOWN MAY NOT BE AT THEIR TRUE LOCATIONS.
4. SEWER LATERALS ARE NOT MARKED AND WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL BE PROTECTED FROM DAMAGE. ANY DAMAGED LATERAL SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR OWN EXPENSE. CONTRACTOR SHALL HAVE REPAIR CLAMPS AVAILABLE ON SITE TO REPAIR ON THE SPOT.
5. DAMAGE TO MARKED UTILITIES, INCLUDING SERVICES AND LATERALS, RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPORTED IMMEDIATELY TO THE CITY AND UTILITY OWNER, AND SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DISTRICT. COSTS INCURRED BY UTILITY SERVICE INTERRUPTION RESULTING FROM THE CONTRACTOR'S OPERATION SHALL ALSO BE ENTIRELY REIMBURSED BY THE CONTRACTOR.
6. WHEN AN UNMARKED UTILITY IS ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE DISTRICT AND THE CITY TO INVESTIGATE AND RESEARCH THE UNMARKED UTILITY. ALLOW 72 HOURS RESPONSE PERIOD BY THE DISTRICT AND CITY. CONTRACTOR SHALL ALSO CONTACT USA TO CONFIRM THE UNMARKED UTILITY WAS NOT MISSED BY THE UTILITY COMPANIES.
7. NO BENDS OR JOINTS WITHIN 10 LF OF SANITARY SEWER MAIN CROSSING IS ALLOWED UNLESS OTHERWISE DIRECTED BY THE DISTRICT.

811
Know what's below
Call before you dig

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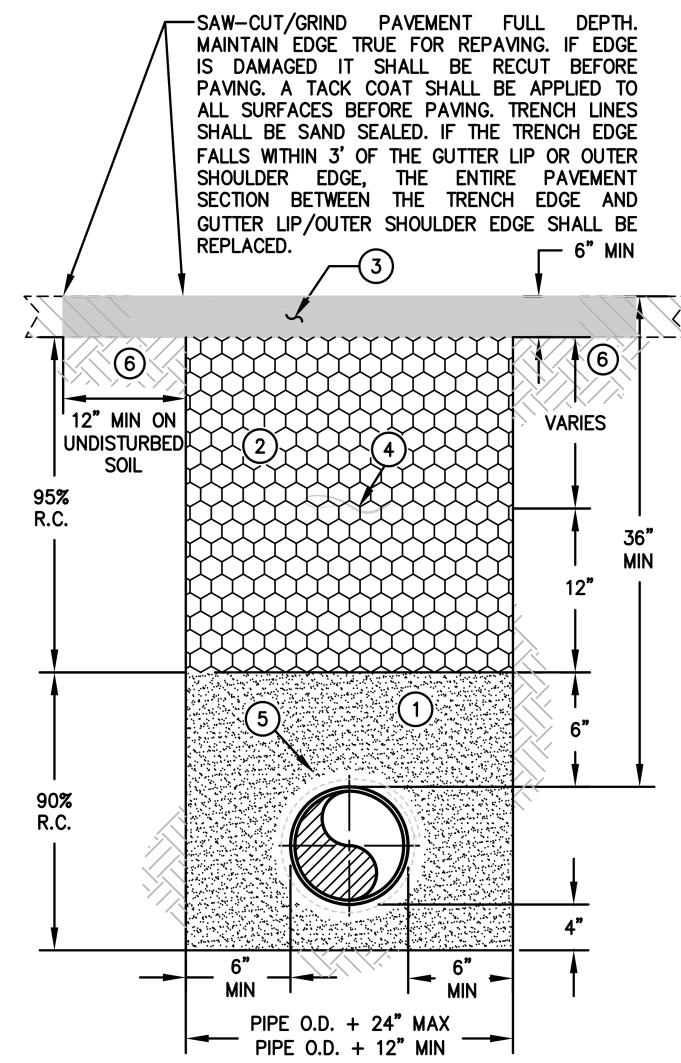
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
NOTES, ABBREVIATIONS, LEGENDS

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

PLAN C1.1



LEGEND

1. EMBEDMENT ZONE (QUARRY FINES) SHALL BE PLACED IN THREE LIFTS:

   LIFT ONE – SHALL CONSIST OF PLACING AND COMPACTING 4" OF MATERIAL PRIOR TO THE PLACEMENT OF THE PIPE. THE PIPE SHALL THEN BE PLACED PRIOR LIFT TWO.

   LIFT TWO – SHALL CONSIST OF PLACING MATERIAL AROUND THE PIPE TO THE TOP OF THE PIPE. THE TOP OF THE PIPE SHALL BE VISIBLE PRIOR COMPACTION OF THE SECOND LIFT. COMPACTION AROUND THE PIPE SHALL BE PERFORMED BY PNEUMATIC MEANS SUCH AS A "POWDER PUFF." NO OTHER MEANS OF COMPACTION SHALL BE ALLOWED WITHOUT PRIOR APPROVAL BY THE DISTRICT. CONTRACTOR SHALL USE EXTREME CARE TO AVOID HITTING THE PIPE, POLYETHYLENE WRAPPING, AND TRACER WIRE WHILE COMPACTING.

   LIFT THREE – SHALL CONSIST OF PLACING AND COMPACTING MATERIAL TO 6" ABOVE THE PIPE.

2. UPPER TRENCH ZONE (CLASS 2 AGGREGATE BASE) SHALL BE PLACED AND COMPACTED IN 12" LIFTS.
3. ASPHALT CONCRETE SHALL BE REPLACED IN KIND BUT NO LESS THAN 6" IN DEPTH.
4. MARKER TAPE TO BE INSTALLED 18" ABOVE WATER MAIN.
5. ENCASE DIP WITH V-BIO ENHANCED POLYETHYLENE ENCASEMENT. TAPE A BLUE NO. 8 AWG COPPER TRACER WIRE TO TOP OF PIPE EVERY 6'.
6. A SECOND OPERATION IS REQUIRED PRIOR TO FINAL PAVING TO ACHIEVE THE "T"CUT SECTION. SAW CUTTING/GRINDING A WIDER TRENCH LINE DURING INITIAL TRENCH EXCAVATION TO ACHIEVE A "T" CUT SECTION IS NOT PERMITTED.

NOTES

1. REPLACE EXISTING TRACER WIRE IF DAMAGED DURING TRENCHING OPERATION. ON EXISTING STEEL PIPES, WELD THE NEW TRACER WIRE END TO THE STEEL PIPE IF TRACER WIRE IS NOT PRESENT.
2. IF WATER IS ENCOUNTERED IN THE TRENCH OR THE DISTRICT INSPECTOR DETERMINES THE SUBGRADE BELOW THE PIPE EMBEDMENT ZONE IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE AN ADDITIONAL 12" AND INSTALL 3/4" CRUSHED DRAIN ROCK. DRAIN ROCK SECTION SHALL BE WRAPPED WITH FILTER FABRIC ON ALL SIDES.

1 TRENCH SECTION - TYPE A PAVED SURFACES

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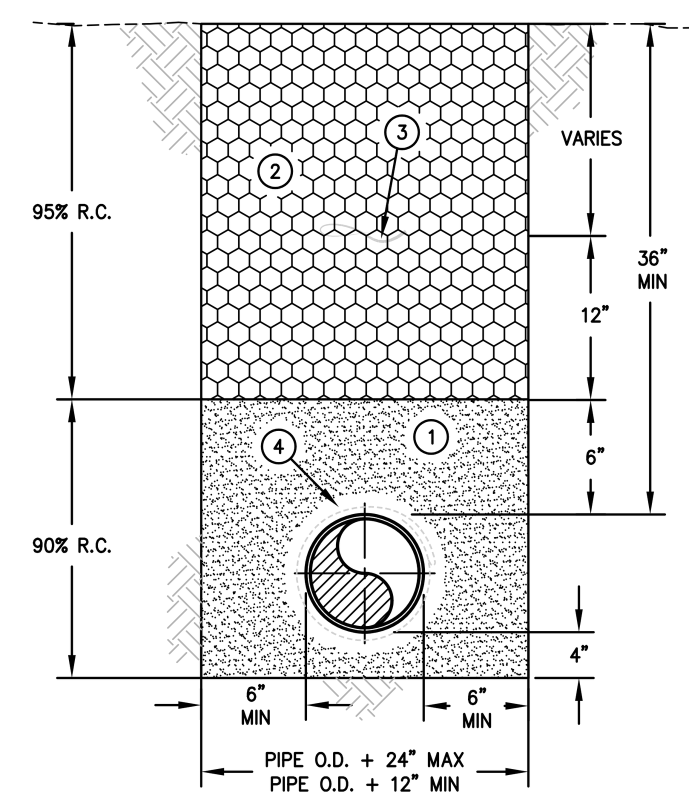
NTS



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NOTES

1. REPLACE EXISTING TRACER WIRE IF DAMAGED DURING TRENCHING OPERATION. ON EXISTING STEEL PIPES, WELD THE NEW TRACER WIRE END TO THE STEEL PIPE IF TRACER WIRE IS NOT PRESENT.
2. IF WATER IS ENCOUNTERED IN THE TRENCH OR THE DISTRICT INSPECTOR DETERMINES THE SUBGRADE BELOW THE PIPE EMBEDMENT ZONE IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE AN ADDITIONAL 12" AND INSTALL 3/4" CRUSHED DRAIN ROCK. DRAIN ROCK SECTION SHALL BE WRAPPED WITH FILTER FABRIC ON ALL SIDES.

2 TRENCH SECTION - TYPE B GRAVELED AREAS/ROAD SHOULDERS

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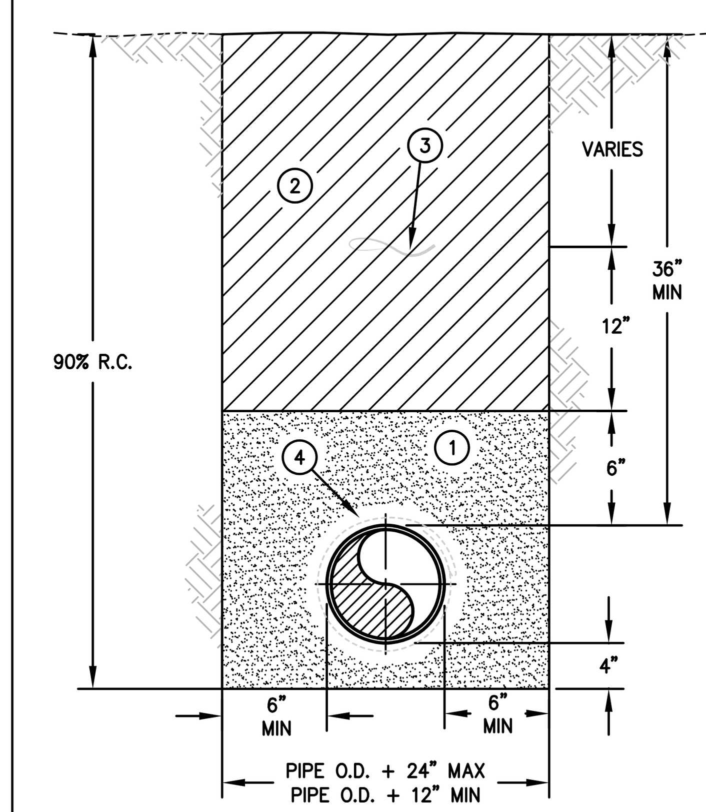
NTS



LEGEND

1. EMBEDMENT ZONE (QUARRY FINES) SHALL BE CONSTRUCTED IN THREE LIFTS:

   LIFT ONE – SHALL CONSIST OF PLACING AND COMPACTING 4" OF MATERIAL PRIOR TO THE PLACEMENT OF THE PIPE. THE PIPE SHALL THEN BE PLACED PRIOR LIFT TWO.

   LIFT TWO – SHALL CONSIST OF PLACING MATERIAL AROUND THE PIPE TO THE TOP OF THE PIPE. THE TOP OF THE PIPE SHALL BE VISIBLE PRIOR COMPACTION OF THE SECOND LIFT. COMPACTION AROUND THE PIPE SHALL BE PERFORMED BY PNEUMATIC MEANS SUCH AS A "POWDER PUFF." NO OTHER MEANS OF COMPACTION SHALL BE ALLOWED WITHOUT PRIOR APPROVAL BY THE DISTRICT. CONTRACTOR SHALL USE EXTREME CARE TO AVOID HITTING THE PIPE, POLYETHYLENE WRAPPING, AND TRACER WIRE WHILE COMPACTING.

   LIFT THREE – SHALL CONSIST OF PLACING AND COMPACTING MATERIAL TO 6" ABOVE THE PIPE.

2. UPPER TRENCH ZONE (NATIVE MATERIAL) SHALL BE PLACED AND COMPACTED IN 12" LIFTS.
3. MARKER TAPE TO BE INSTALLED 18" ABOVE WATER MAIN.
4. ENCASE DIP WITH V-BIO ENHANCED POLYETHYLENE ENCASEMENT. TAPE A BLUE NO. 8 AWG COPPER TRACER WIRE TO TOP OF PIPE EVERY 6'.

NOTES

1. REPLACE EXISTING TRACER WIRE IF DAMAGED DURING TRENCHING OPERATION. ON EXISTING STEEL PIPES, WELD THE NEW TRACER WIRE END TO THE STEEL PIPE IF TRACER WIRE IS NOT PRESENT.
2. IF WATER IS ENCOUNTERED IN THE TRENCH OR THE DISTRICT INSPECTOR DETERMINES THE SUBGRADE BELOW THE PIPE EMBEDMENT ZONE IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE AN ADDITIONAL 12" AND INSTALL 3/4" CRUSHED DRAIN ROCK. DRAIN ROCK SECTION SHALL BE WRAPPED WITH FILTER FABRIC ON ALL SIDES.

3 TRENCH SECTION - TYPE C UNIMPROVED AREA

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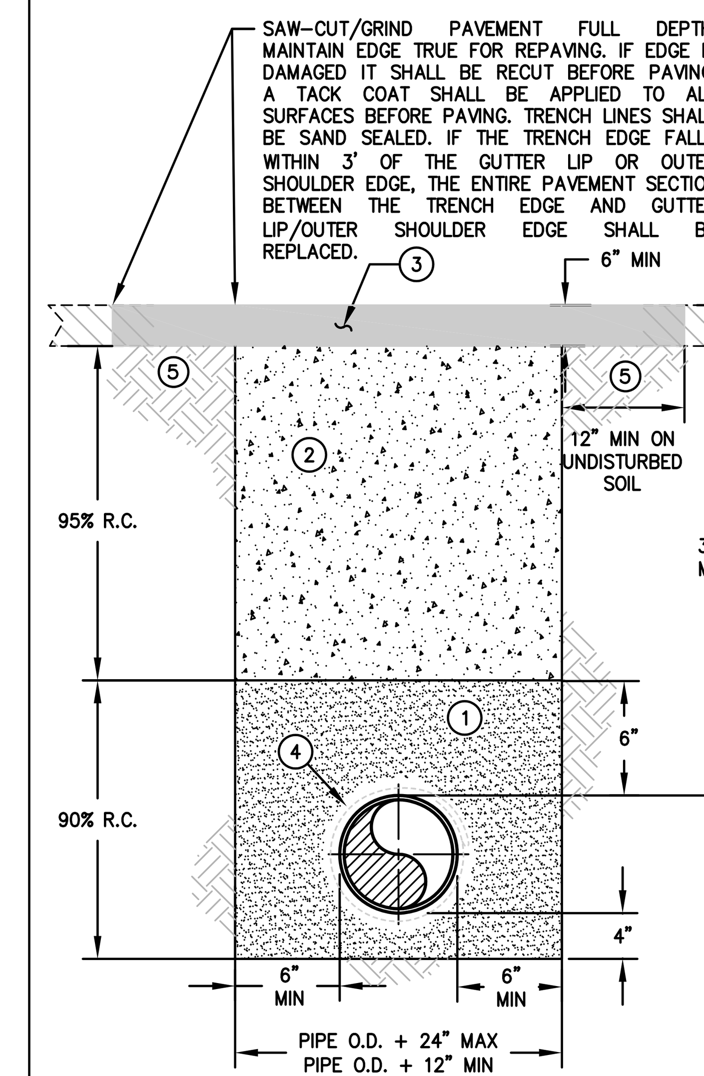

LEGEND

1. EMBEDMENT ZONE (QUARRY FINES) SHALL BE PLACED IN THREE LIFTS:

   LIFT ONE – SHALL CONSIST OF PLACING AND COMPACTING 4" OF MATERIAL PRIOR TO THE PLACEMENT OF THE PIPE. THE PIPE SHALL THEN BE PLACED PRIOR LIFT TWO.

   LIFT TWO – SHALL CONSIST OF PLACING MATERIAL AROUND THE PIPE TO THE TOP OF THE PIPE. THE TOP OF THE PIPE SHALL BE VISIBLE PRIOR COMPACTION OF THE SECOND LIFT. COMPACTION AROUND THE PIPE SHALL BE PERFORMED BY PNEUMATIC MEANS SUCH AS A "POWDER PUFF." NO OTHER MEANS OF COMPACTION SHALL BE ALLOWED WITHOUT PRIOR APPROVAL BY THE DISTRICT. CONTRACTOR SHALL USE EXTREME CARE TO AVOID HITTING THE PIPE, POLYETHYLENE WRAPPING, AND TRACER WIRE WHILE COMPACTING.

   LIFT THREE – SHALL CONSIST OF PLACING AND COMPACTING MATERIAL TO 6" ABOVE THE PIPE.

2. UPPER TRENCH ZONE (CONTROLLED DENSITY FILL).
3. ASPHALT CONCRETE SHALL BE REPLACED IN KIND BUT NO LESS THAN 6" IN DEPTH.
4. ENCASE DIP WITH V-BIO ENHANCED POLYETHYLENE ENCASEMENT. TAPE A BLUE NO. 8 AWG COPPER TRACER WIRE TO TOP OF PIPE EVERY 6'.
5. A SECOND OPERATION IS REQUIRED PRIOR TO FINAL PAVING TO ACHIEVE THE "T"CUT SECTION. SAW CUTTING/GRINDING A WIDER TRENCH LINE DURING INITIAL TRENCH EXCAVATION TO ACHIEVE A "T" CUT SECTION IS NOT PERMITTED.

NOTES

1. REPLACE EXISTING TRACER WIRE IF DAMAGED DURING TRENCHING OPERATION. ON EXISTING STEEL PIPES, WELD THE NEW TRACER WIRE END TO THE STEEL PIPE IF TRACER WIRE IS NOT PRESENT.
2. IF WATER IS ENCOUNTERED IN THE TRENCH OR THE DISTRICT INSPECTOR DETERMINES THE SUBGRADE BELOW THE PIPE EMBEDMENT ZONE IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE AN ADDITIONAL 12" AND INSTALL 3/4" CRUSHED DRAIN ROCK. DRAIN ROCK SECTION SHALL BE WRAPPED WITH FILTER FABRIC ON ALL SIDES.

4 TRENCH SECTION - TYPE D CONTROLLED DENSITY FILL

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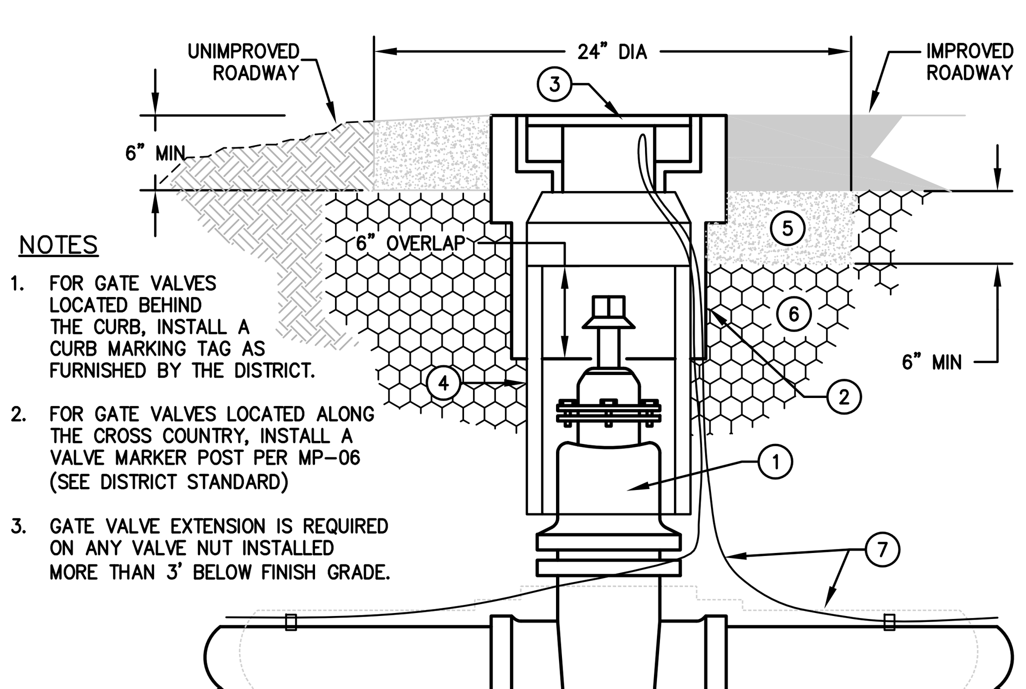

NOTES

1. FOR GATE VALVES LOCATED BEHIND THE CURB, INSTALL A CURB MARKING TAG AS FURNISHED BY THE DISTRICT.
2. FOR GATE VALVES LOCATED ALONG THE CROSS COUNTRY, INSTALL A VALVE MARKER POST PER MP-06 (SEE DISTRICT STANDARD)
3. GATE VALVE EXTENSION IS REQUIRED ON ANY VALVE NUT INSTALLED MORE THAN 3' BELOW FINISH GRADE.

LEGEND

1. GATE VALVE, MUELLER NO. A-2362 WITH TYPE 316 SS BOLTS AND NUTS, AND 2" SQUARE BRONZE OPERATION NUT. VALVE STEM SHALL BE BRONZE; EPDM RUBBER; MACHINED RELEASE GROOVE BELOW OPERATING NUT; AND STUFFING BOX ALIGNED WITH THE DIRECTION OF THE PIPE. IF COATING ON GATE VALVE IS DAMAGED DURING THE INSTALLATION, IT SHOULD BE REPAIRED USING MUELLER APPROVED VALVE REPAIR EPOXY KIT. VALVE SHALL BE SET PLUMB.
2. TRAFFIC VALVE BOX, CHRISTY CONCRETE NO. G05TBOX.
3. CAST IRON TRAFFIC COVER INSCRIBED "WATER", CHRISTY CONCRETE NO. G05CT.
4. SDR 35 PVC PIPE – 8" MIN DIA.
5. 2,000 PSI HIGH EARLY STRENGTH CONCRETE. PLACE ASPHALT ON TOP OF CONCRETE COLLAR, SAME DAY.
6. TRENCH BACKFILL PER DETAIL 1 THRU 4/ PLAN C1.2
7. ENCASE DIP WITH V-BIO ENHANCED POLYETHYLENE ENCASEMENT. WRAP EXCESS FILM WITH 10-MIL PIPE TAPE. USE NO. 8 AWG STANDARD TRACER WIRE TAPED ON TOP OF PIPE AND LOOPED INTO THE VALVE BOX FROM OUTSIDE THE RISER. WIRE TO EXTEND 12" ABOVE GRADE.

5 GATE VALVE ASSEMBLY

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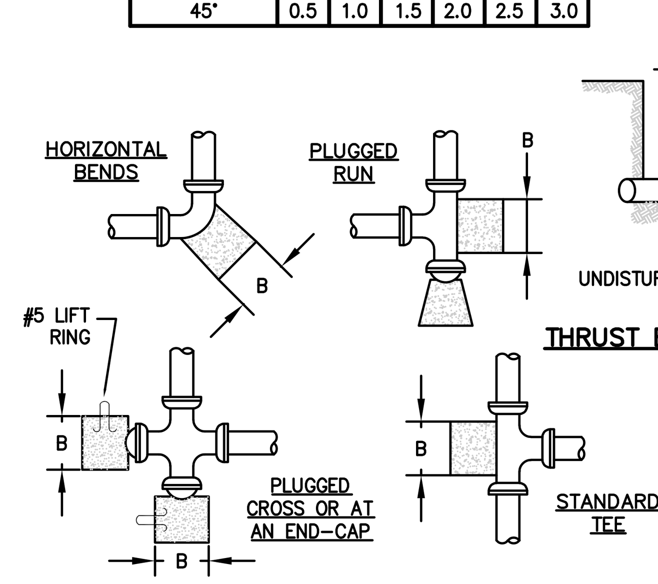
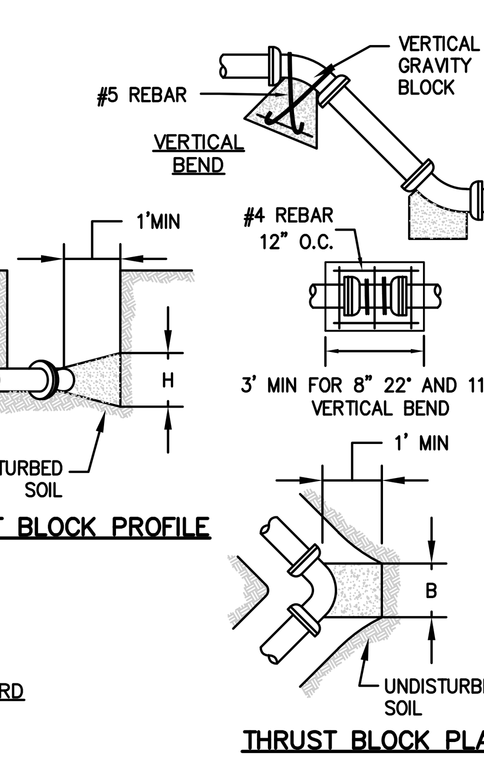
VOLUME OF GRAVITY BLOCK IN CUBIC YARDS

VERTICAL FITTING	DIAMETER OF PIPE					
	6"	8"	10"	12"	14"	16"
90°	1.0	2.0	3.0	4.0	5.0	6.0
45°	0.5	1.0	1.5	2.0	2.5	3.0





DIMENSIONS OF THRUST BLOCKS IN FEET

HORIZONTAL FITTING	DIAMETER OF PIPE											
	6"		8"		10"		12"		14"		16"	
	B	H	B	H	B	H	B	H	B	H	B	H
90°	1'-9"	1'-9"	2'-3"	2'-3"	2'-9"	2'-9"	3'-3"	3'-3"	3'-9"	3'-9"	4'-3"	4'-3"
45°	1'-0"	1'-0"	1'-6"	1'-6"	2'-0"	2'-0"	2'-6"	2'-6"	3'-0"	3'-0"	3'-6"	3'-6"
PLUG/TEE	1'-3"	1'-3"	1'-9"	1'-9"	2'-3"	2'-3"	2'-9"	2'-9"	3'-3"	3'-3"	3'-9"	3'-9"

NOTES

1. THRUST BLOCK DIMENSIONS SHALL BE DOUBLED IF USED ON NON-RESTRAINED CONNECTIONS.
2. USE 2,000 PSI HIGH EARLY STRENGTH CONCRETE.
3. ALL THRUST BLOCKS AND GRAVITY BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH.
4. ENCASE DIP IN V-BIO ENHANCED POLYETHYLENE ENCASEMENT.
5. MAINTAIN A MIN CLEARANCE OF 2" BETWEEN THE THRUST BLOCK REINFORCING STEEL AND PIPE.
6. CONCRETE NOT TO EXTEND BEYOND THE FACE OF THE BELL.
7. THRUST BLOCK SHALL ENCOMPASS AT LEAST ONE-HALF OF THE OUTSIDE DIAMETER OF THE PIPE.
8. FLANGES, BOLTS, AND NUTS SHALL BE KEPT CLEAR OF CONCRETE.
9. DIMENSIONS ABOVE INCLUDE USE OF MECHANICAL RESTRAINTS ON PIPE.
10. IF GROUNDWATER IS PRESENT, THRUST BLOCK DIMENSIONS SHALL BE DETERMINED BY THE DISTRICT.

6 THRUST BLOCK DETAILS

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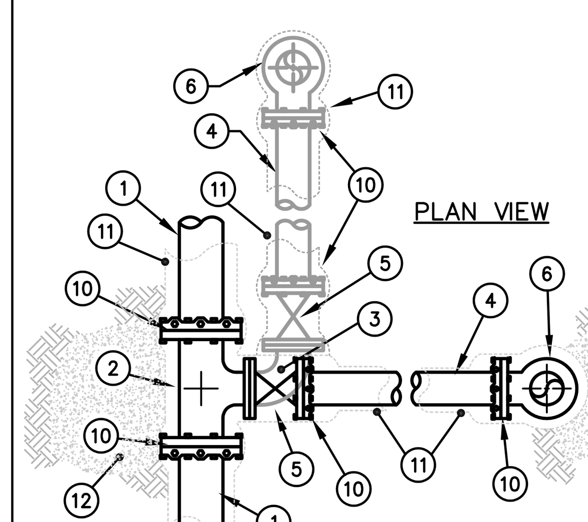
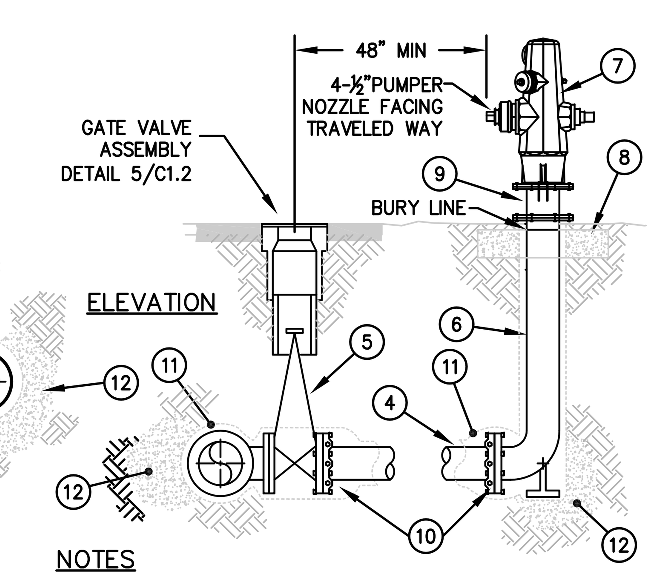
NTS





LEGEND

1. WATER MAIN, DIP OR PVC
2. TEE (TYPE DETERMINED BY DISTRICT) OR TAPPING SLEEVE, JMC 6432, ALL TYPE 316 SS BODIES, OR AS DIRECTED BY THE DISTRICT
3. 6" 90° BEND, FLXFL.
4. 6" DIP OR PVC PIPE.
5. 6" GATE VALVE, MUELLER A-2362, FLXMJ (RESTRAINED)
6. 6" BURY, FLXMJ (RESTRAINED)
7. HYDRANT, CLOW 860 (WET BARREL) WITH ONE 4-½" PUMPER AND TWO 2-½" OUTLETS, ALL NS THREADS.
8. 24"DIA, 12" THICK, 2,000 PSI CONCRETE COLLAR.
9. BREAK-OFF CHECK VALVE, MUELLER J6000. INSTALL CONCRETE COLLAR (8) TO ALLOW REMOVAL OF STAINLESS STEEL BOLTS SECURING BREAK-OFF RISER. NATIVE SOIL SHALL THEN BE PLACED ON TOP OF THE COLLAR TO WITHIN 1" OF THE BOTTOM OF THE BREAK-OFF RISER.
10. 6" MJ RESTRAINT, EBAA IRON, "MEGALUG" SERIES 1100 FOR DIP AND SERIES 2000 FOR PVC.
11. ENCASE DIP FIRE HYDRANT LATERAL WITH V-BIO ENHANCED POLYETHYLENE ENCASEMENT. WRAP EXCESS FILM WITH 10 MIL PIPE TAPE. TAPE A BLUE NO. 8 AWG, COPPER TRACER WIRE TO THE TOP OF LATERAL.
12. THRUST BLOCK PER DETAIL 6, PLAN C1.2

NOTES

1. FOR NEW DEVELOPMENTS, THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL FIRE DEPARTMENT FOR HYDRANT LOCATIONS.
2. ALL JOINTS USED IN THE HYDRANT ASSEMBLY SHALL BE RESTRAINED AND SHALL BE MECHANICAL JOINT "MEGALUG," OR FIELD LOCKS.
3. BREAK-OFF RISER SHALL BE 1" ABOVE FINISH GRADE.
4. ALL BOLTS AND NUTS SHALL BE TYPE 316 STAINLESS STEEL EXCLUDING PRE-MANUFACTURED BREAK-OFF CHECK VALVE.
5. INSTALL A BLUE, TWO-WAY, REFLECTIVE PAVEMENT MARKER AT EACH HYDRANT LOCATION IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 85 OF THE CALTRANS STANDARD SPECIFICATIONS.
6. PAINT BOTH THE TOP SURFACE OF THE FIRE HYDRANT GATE VALVE BOX AND COVER WHITE WITH DIRECT TO METAL PAINT.
7. NEW FIRE HYDRANT ASSEMBLY SHALL BE PRESSURE TESTED AND DISINFECTED.
8. NEW FIRE HYDRANT AND BREAK OFF CHECK VALVE SHALL BE FACTORY PAINTED "WHITE." ALL METAL ABOVE THE CONCRETE COLLAR SHALL ALSO BE PAINTED "WHITE."

7 FIRE HYDRANT ASSEMBLY

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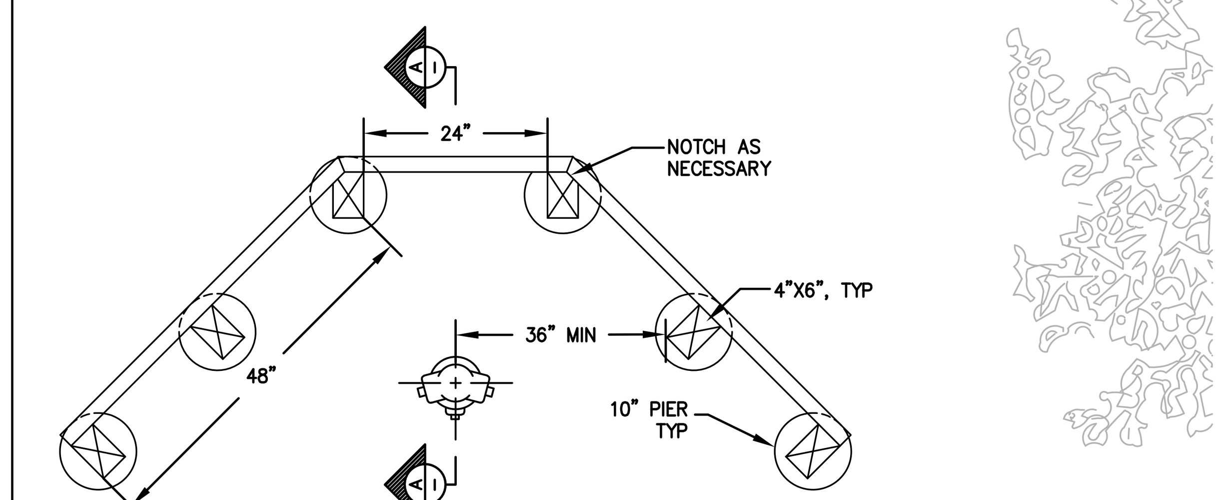

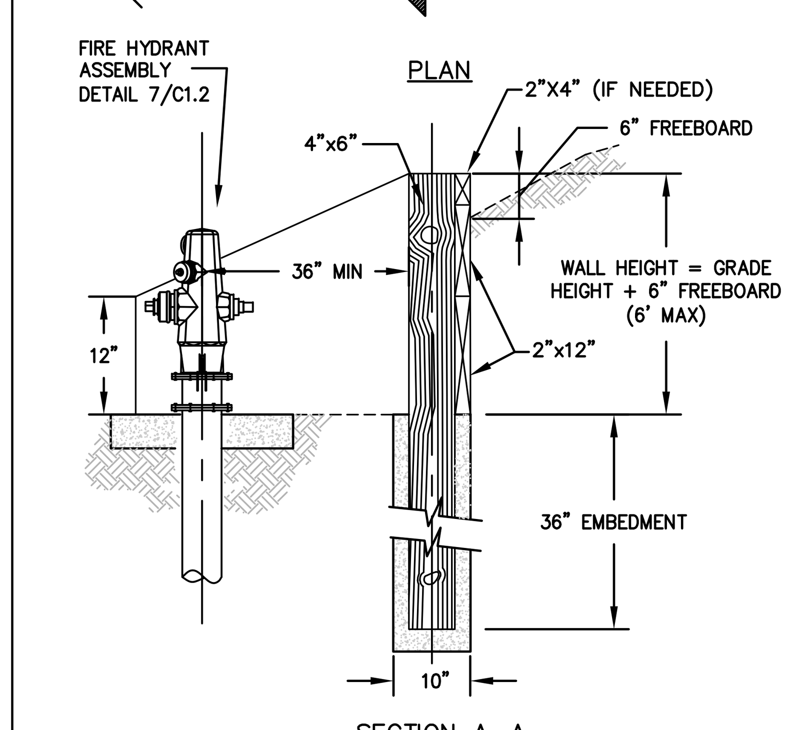

NOTES

1. ALL LUMBER SHALL BE PRESSURE TREATED LUMBER WITH 0.40 LBS/CF RETENTION OR GREATER.
2. ALL DIMENSIONS SHOWN ARE FOR A TYPICAL RETAINING WALL. FIELD CONDITIONS MAY REQUIRE DEVIATION FROM DETAIL. CONTRACTOR SHALL VERIFY SITE CONDITIONS AND OBTAIN APPROVAL FROM THE DISTRICT BEFORE MAKING CHANGES.

8 FIRE HYDRANT RETAINING WALL

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NTS

REVISIONS

NO.	DESCRIPTION	DATE	BY	APPD
3	REVISED BY ADDENDUM NO. 3 – COMPLETE PLAN REISSUE	10/18/21	BL	JP

REGISTERED PROFESSIONAL ENGINEER JOUBIN PAKPOUR No. C 59155 CIVIL STATE OF CALIFORNIA 10/18/21

Pakpour Consulting Group, Inc.
5776 Stoneridge Mall Road, Ste 320
Pleasanton, CA 94588
P: 925.224.7717 F: 925.224.7726
www.pcgengr.com

DRAWN: VICTOR FUNG
DESIGNED: VICTOR FUNG
CHECKED: BRANDON LAURIE
APPROVED: JOUBIN PAKPOUR

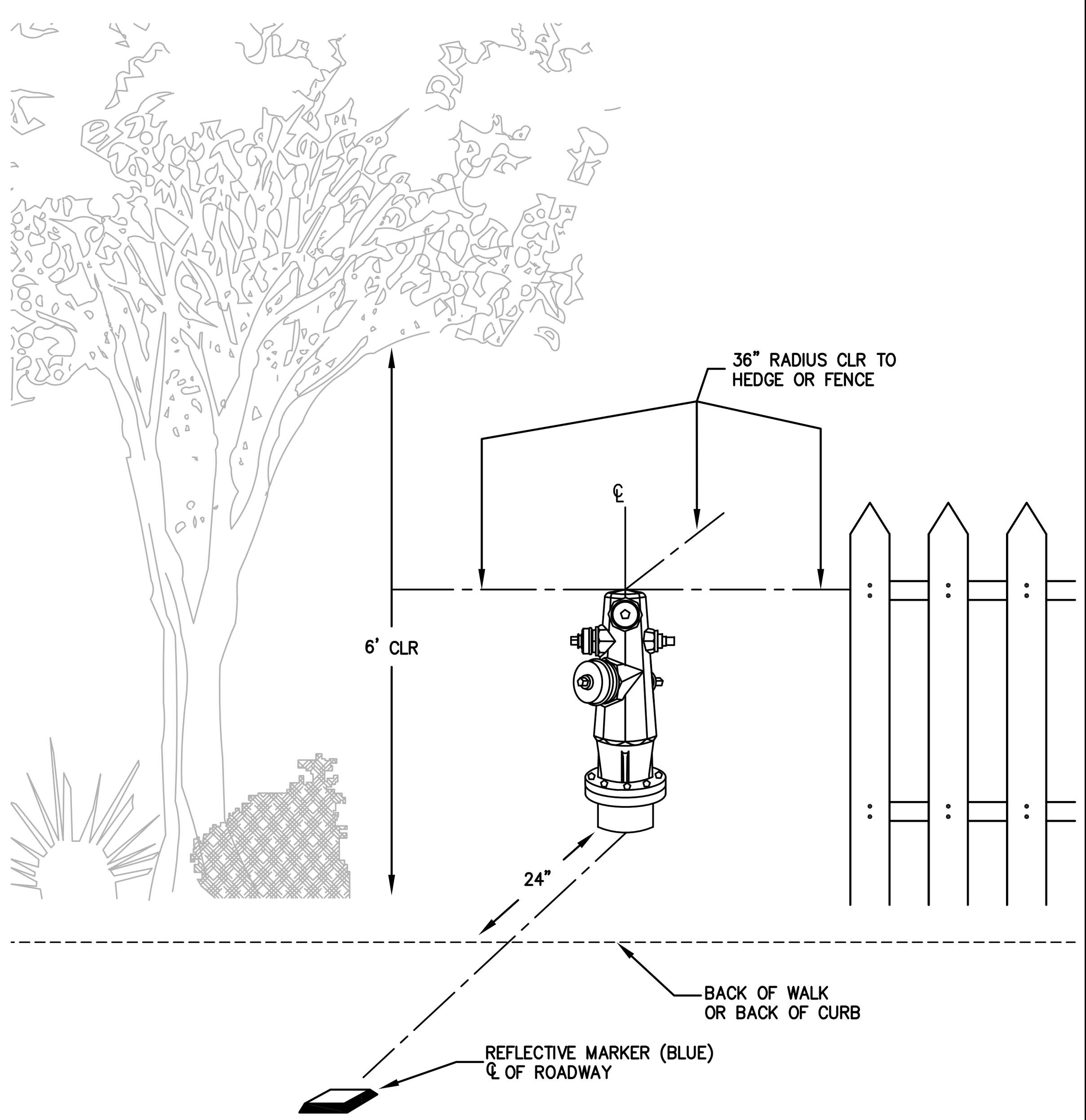
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
CONSTRUCTION DETAILS

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26
PLAN C1.2

FOR REDUCED ENGLISH PLANS ORIGINAL SCALE IS IN INCHES
0 1 2 3

DRAWING NAME: J:\CADD\10012.26\Plot Sheets\Addendum No. 3-Plan Reissue\03-HYBC0701.dwg
PLOT DATE: 10-18-21 PLOTTED BY: Blaurie

MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
CONSTRUCTION DETIALS



1 - HYDRANT CLEARANCES

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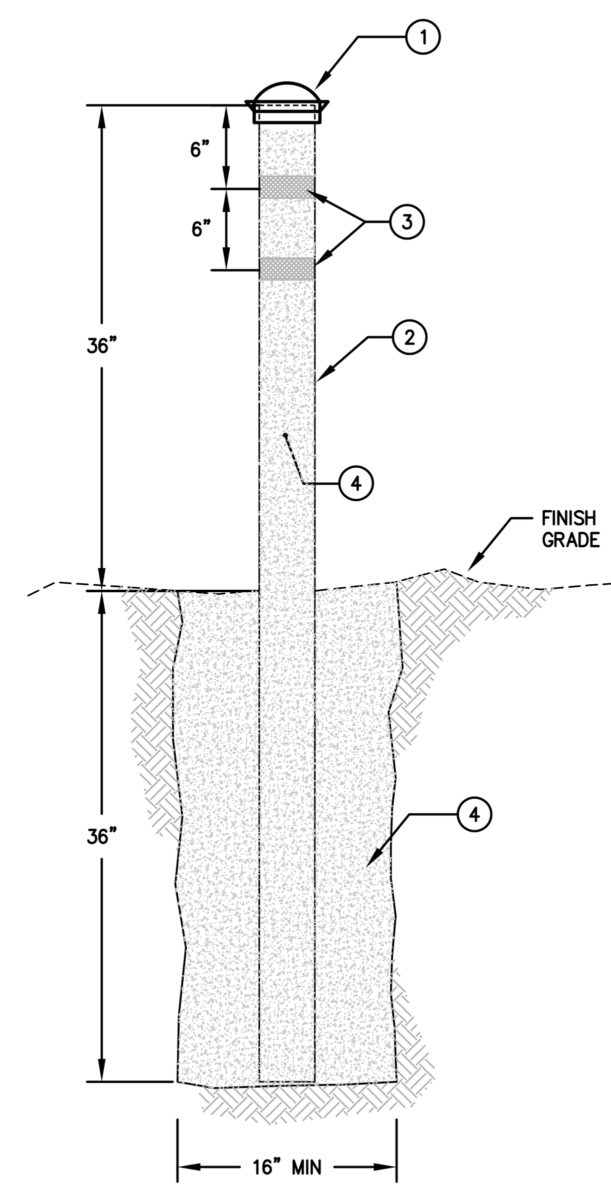

LEGEND

1. 4" GALVANIZED TAP ON CAP.
2. 4" DIA GALVANIZED STEEL PIPE FILLED WITH CLASS 2 CONCRETE. PIPE SHALL BE PAINTED WHITE WITH DIRECT TO METAL (DTM) HIGH PERFORMANCE INDUSTRIAL COATINGS SYSTEM (MINIMUM TWO COATS).
3. 2" YELLOW DOT-C2 REFLECTIVE TAPE
4. CLASS 2 CONCRETE

NOTES

1. BOLLARD LOCATIONS TO BE LOCATED IN THE FIELD BY THE DISTRICT.
2. BOLLARDS SHALL BE PERMANENT UNLESS SPECIFIED BY THE DISTRICT.
3. REMOVABLE BOLLARDS SHALL BE MODEL PW/BRL-PG&E MANUFACTURED BY PLACER WATER WORKS, INC. TO BE POWDER COATED WHITE, WITH 2-2" YELLOW COLOR REFLECTIVE TAPE, DOT-C2.

2 - BOLLARD

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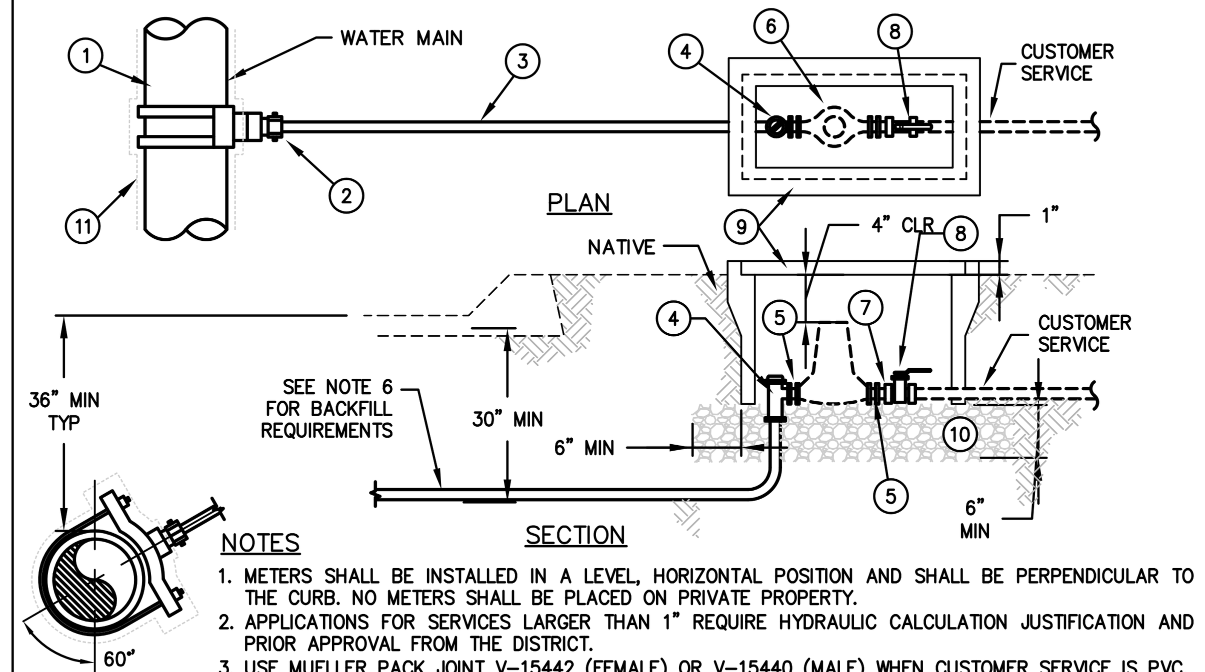


NOTES

1. METERS SHALL BE INSTALLED IN A LEVEL, HORIZONTAL POSITION AND SHALL BE PERPENDICULAR TO THE CURB. NO METERS SHALL BE PLACED ON PRIVATE PROPERTY.
2. APPLICATIONS FOR SERVICES LARGER THAN 1" REQUIRE HYDRAULIC CALCULATION JUSTIFICATION AND PRIOR APPROVAL FROM THE DISTRICT.
3. USE MUELLER PACK JOINT V-15442 (FEMALE) OR V-15440 (MALE) WHEN CUSTOMER SERVICE IS PVC.
4. HOT-TAPS AND NEW CONNECTIONS SHALL BE 4' MIN FROM A BELL/JOINT OR AS DIRECTED BY THE DISTRICT.
5. SERVICE SADDLE SHALL BE 18" MIN FROM AN ADJACENT SERVICE CONNECTION.
6. IF OPEN TRENCH METHOD IS USED, EMBEDMENT MATERIAL (QUARRY FINES) SHALL BE PLACED 2" BELOW AND 6" ABOVE THE SERVICE LINE. BACKFILL AND COMPACT REMAINING SECTION PER APPLICABLE DETAILS 1 THRU 4, PLAN C1.2.
7. ANY FIRE SPRINKLER INSTALLATION WILL REQUIRE AN UPDATED SERVICE CONNECTION.

LEGEND

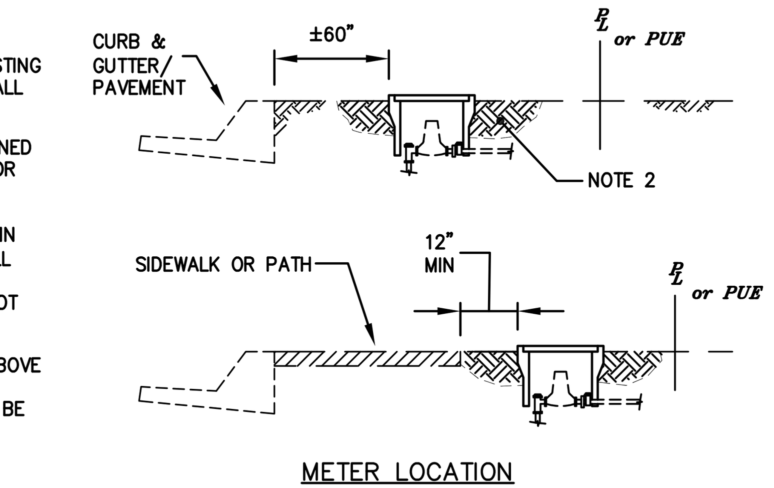
1. DOUBLE STRAP BRONZE SERVICE SADDLE, MUELLER BR2B "CC" FOR DIP AND MUELLER BR2S "CC" FOR PVC.
2. 1" INSULATED CORPORATION STOP, MUELLER N-35008N.
3. 1" TYPE K SOFT COPPER PIPE. COPPER PIPE SHALL HAVE BLUE SEAMLESS POLYETHYLENE COAT DISTRIBUTED BY MUELLER STREAMLINE CO. UNIONS OR COUPLINGS NOT PERMITTED.
4. 1" COMPRESSION BALL ANGLE METER VALVE, MUELLER B-24258N.
5. FORD A-XX-NL METER ADAPTERS, (BRASS), SHALL BE INSTALLED ON THE INLET AND OUTLET SIDES OF THE METER TO UPSIZE/DOWNSIZE THE METER SIZE AND LENGTH AS REQUIRED.
6. 5/8" OR 1" METER (FURNISHED BY DISTRICT).
7. INSULATED METER COUPLING, MUELLER H-10871N.
8. BALL VALVE, RED WHITE VALVE 5044AB.
9. METER BOX, CHRISTY NO. B16 WITH NO. B16P REINFORCED CONCRETE COVER. H/20, TRAFFIC RATED BOX AND COVER, ARMORCAST 20K, NO. A6000492 AND A6000489TH, SHALL BE PROVIDED IN TRAFFIC AREAS AND WHERE DIRECTED BY THE DISTRICT. COVERS SHALL HAVE A RECESSED PROBE HOLE MADE FOR SENSUS FLEXNET RADIO READERS.
10. 3/4" DRAIN ROCK SHALL BE MECHANICALLY COMPACTED.
11. ENCASE DIP WITH V-BIO ENHANCED POLYETHYLENE ENCASEMENT.

3 - 5/8" AND 1" SERVICE CONNECTION

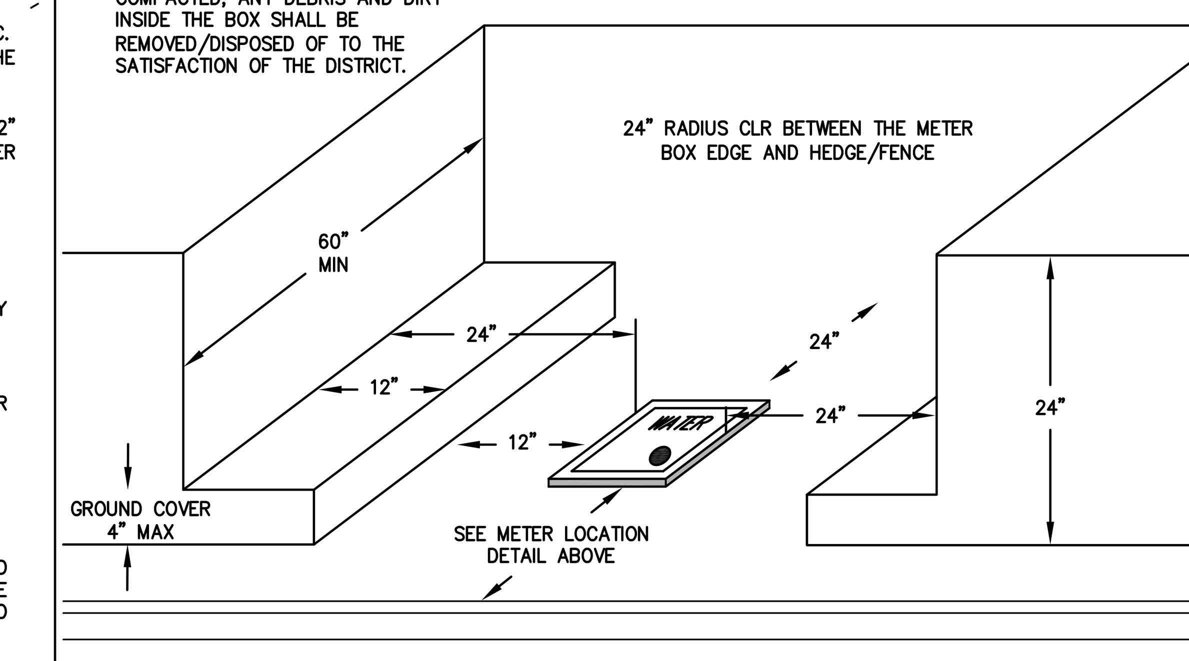
NTS

NOTES

1. METER BOXES SHALL BE SET PARALLEL TO THE SERVICE LINE FOLLOWING THE CONTOUR OF EXISTING GROUND, UNLESS A RETAINING WALL IS REQUIRED.
2. AFTER THE BOX IS SET AND ALIGNED WITH THE METER, THE CONTRACTOR MAY USE NATIVE MATERIAL OR AGGREGATE BASE TO BACKFILL AROUND THE BOX. BACKFILL WITHIN 12" PERIMETER OF THE BOX SHALL BE COMPACTED TO 90% R.C. CONTRACTOR SHALL USE CARE NOT TO DAMAGE THE METER BOX.
3. METER BOX SHALL PROJECT 1" ABOVE GRADE WHEN LOCATED IN NON-TRAFFIC AREAS AND SHALL BE FLUSH WITH PAVEMENT WHEN LOCATED IN TRAFFIC AREAS AND PATHWAYS.
4. AFTER THE BOX HAS BEEN SET AND COMPACTED, ANY DEBRIS AND DIRT INSIDE THE BOX SHALL BE REMOVED/DISPOSED OF TO THE SATISFACTION OF THE DISTRICT.



METER LOCATION

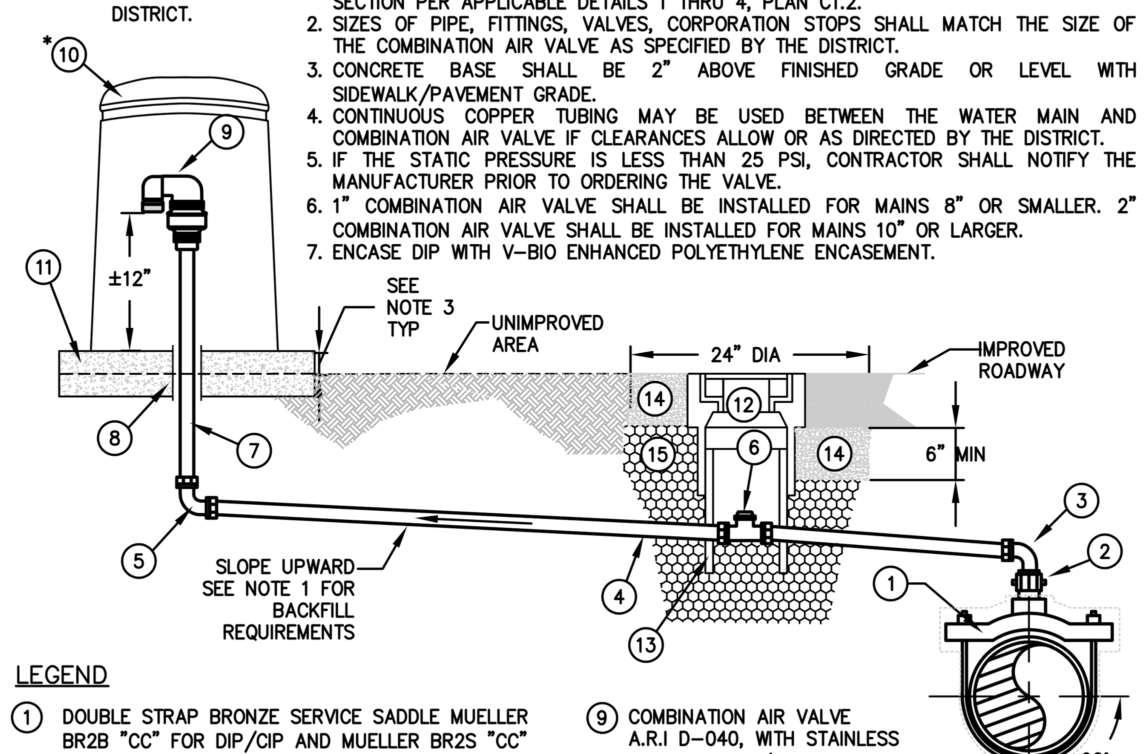


4 - SERVICE METER CLEARANCES

NTS

NOTES

1. IF OPEN TRENCH METHOD IS USED, EMBEDMENT MATERIAL (QUARRY FINES) SHALL BE PLACED 2" BELOW AND 6" ABOVE COPPER LINE. BACKFILL AND COMPACT REMAINING SECTION PER APPLICABLE DETAILS 1 THRU 4, PLAN C1.2.
2. SIZES OF PIPE, FITTINGS, VALVES, CORPORATION STOPS SHALL MATCH THE SIZE OF THE COMBINATION AIR VALVE AS SPECIFIED BY THE DISTRICT.
3. CONCRETE BASE SHALL BE 2" ABOVE FINISHED GRADE OR LEVEL WITH SIDEWALK/PAVEMENT GRADE.
4. CONTINUOUS COPPER TUBING MAY BE USED BETWEEN THE WATER MAIN AND COMBINATION AIR VALVE IF CLEARANCES ALLOW OR AS DIRECTED BY THE DISTRICT.
5. IF THE STATIC PRESSURE IS LESS THAN 25 PSI, CONTRACTOR SHALL NOTIFY THE MANUFACTURER PRIOR TO ORDERING THE VALVE.
6. 1" COMBINATION AIR VALVE SHALL BE INSTALLED FOR MAINS 8" OR SMALLER. 2" COMBINATION AIR VALVE SHALL BE INSTALLED FOR MAINS 10" OR LARGER.
7. ENCASE DIP WITH V-BIO ENHANCED POLYETHYLENE ENCASEMENT.

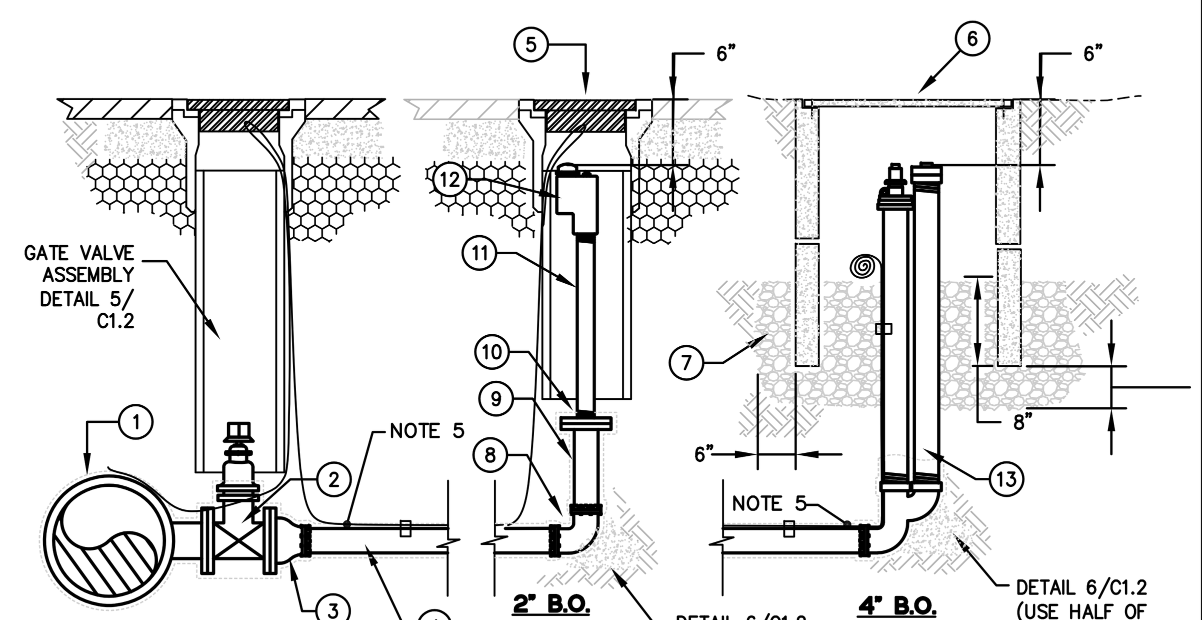


LEGEND

1. DOUBLE STRAP BRONZE SERVICE SADDLE MUELLER BR2B "CC" FOR DIP/CIP AND MUELLER BR2S "CC" FOR PVC.
2. INSULATED CORPORATION STOP, MUELLER N-30045N (CCXFIP).
3. 90° MIP X COMP MULLER FITTING.
4. TYPE K COPPER TUBING. COPPER PIPE SHALL HAVE BLUE SEAMLESS POLYETHYLENE COAT DISTRIBUTED BY MUELLER STREAMLINE CO. MAINTAIN UPWARD SLOPE. UNIONS OR COUPLINGS NOT PERMITTED.
5. 90° COMP X COMP MUELLER FITTING.
6. F.I.P X F.I.P BALL STRAIGHT METER VALVE, MUELLER B-20200N.
7. BRASS PIPE (LOW LEAD).
8. SDR 35 PVC - 3" DIA.
9. COMBINATION AIR VALVE A.R.I D-040, WITH STAINLESS STEEL SCREEN.(FUNCTIONS AS BOTH AIR RELEASE AND AIR/VACUUM VALVES).
10. ENCLOSURE PIPELINE PRODUCTS, VCAS-1424. COLOR SHALL BE GREEN AND INSTALLED LEVEL. (PADLOCK FURNISHED BY DISTRICT)
11. CONCRETE BASE 4"H X 24"DIA W/STEEL WIRE MESH IN MIDDLE. BASE SHALL BE INSTALLED LEVEL.
12. TRAFFIC VALVE BOX, CHRISTY CONCRETE NO. G05T WITH CAST IRON TRAFFIC COVER INSCRIBED "WATER", CHRISTY CONCRETE NO G05CT.
13. SDR 35 PVC RISER - 8" MIN DIA.
14. 2,000 PSI CONCRETE COLLAR. 24 HOURS MIN CURE PRIOR TO PLACEMENT OF ASPHALT.
15. BACKFILL MATERIAL PER APPLICABLE DETAIL 01 THRU 04/C1.2

5 - 1" OR 2" COMBINATION AIR VALVE

NTS



NOTES

1. 2" BLOW-OFF SHALL BE INSTALLED FOR MAINS 6" OR SMALLER.
2. 4" BLOW-OFF SHALL BE INSTALLED FOR MAINS 8" OR LARGER.
3. THE TOP OF THE BOX SHALL BE FLUSH WITH PAVEMENT WHEN LOCATED IN TRAFFIC AREAS.
4. ALL BURIED NUTS AND BOLTS SHALL BE TYPE 316 STAINLESS STEEL.
5. ENCASE BRANCH TEE, BENDS, NIPPLES, AND DIP IN V-BIO ENHANCED POLYETHYLENE ENCASEMENT. TAPE A BLUE NO. 8 AWG, COPPER TRACER WIRE TO THE TOP OF PIPE EVERY 6'.

LEGEND

1. 4" BRANCH TEE (TYPE DETERMINED BY DISTRICT) OR TAPPING SLEEVE JMC 6432, FOR 4" MAINS, OR 6" BRANCH TEE (TYPE DETERMINED BY DISTRICT) OR TAPPING SLEEVE JMC 6432, FOR 6" AND BIGGER MAINS. FOR DEAD END MAINS, CONNECT VALVE DIRECTLY.
2. 4" OR 6" GATE VALVE, FLXFL, MUELLER NO. 2362.
3. 6"X4" REDUCER, FLXMJ (RESTRAINED) FOR 6" MAINS AND BIGGER.
4. DIP/PVC.
5. TRAFFIC VALVE BOX WITH CAST IRON COVER INSCRIBED "WATER", INSTALL PER DETAIL 5, PLAN C1.2.
6. TRAFFIC BOX, CHRISTY NO. B1324BOX (H/20 LOADING) WITH B1324-61JH STEEL CHECKER PLATE COVER AND B1324X12 EXTENSION.
7. 3/4" DRAIN ROCK, UP TO VALVE ONLY, SHALL BE MECHANICALLY COMPACTED .

2" BLOW-OFF

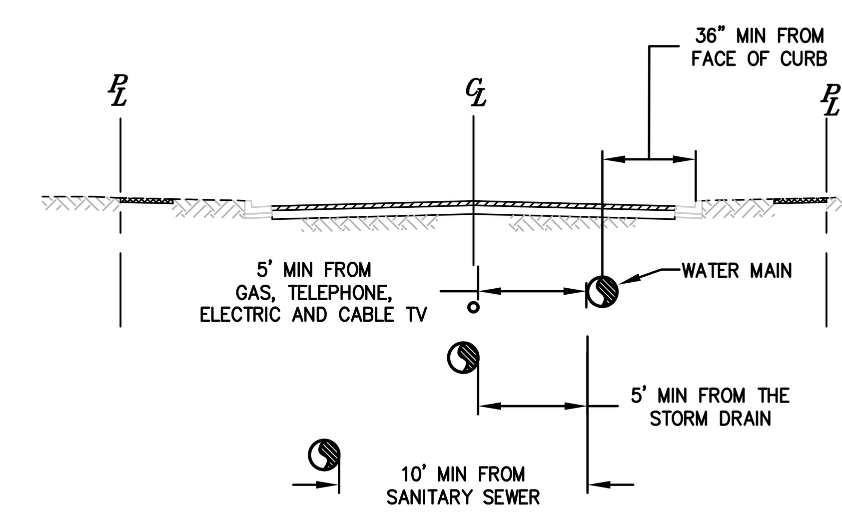
8. 4" DIP 90° BEND, MJXMJ (RESTRAINED).
9. 4" DIP FLXPE OR PVC WITH RESTRAINED FLANGED ADAPTER.
10. 4" COMPANION FLANGE WITH A 2" THREADED IP OUTLET.
11. 2" BRASS NIPPLE, 8"MIN.
12. 2" BLOWOFF/FLUSHING HYDRANT, TRUFLO MODEL TF550 MANUFACTURED BY KUPFERLE FOUNDRY CO. (BRASS LOW LEAD)

4" BLOW-OFF

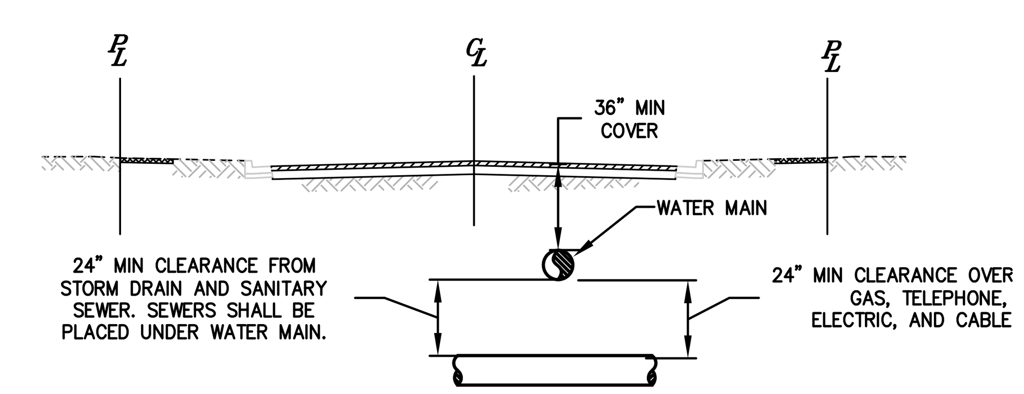
13. 4" BLOWOFF/FLUSHING HYDRANT, MAINGUARD MODEL 7600 MANUFACTURED BY KUPFERLE FOUNDRY CO.

6 - BLOW-OFF ASSEMBLY

NTS



MINIMUM REQUIRED HORIZONTAL CLEARANCE FROM WATER MAIN



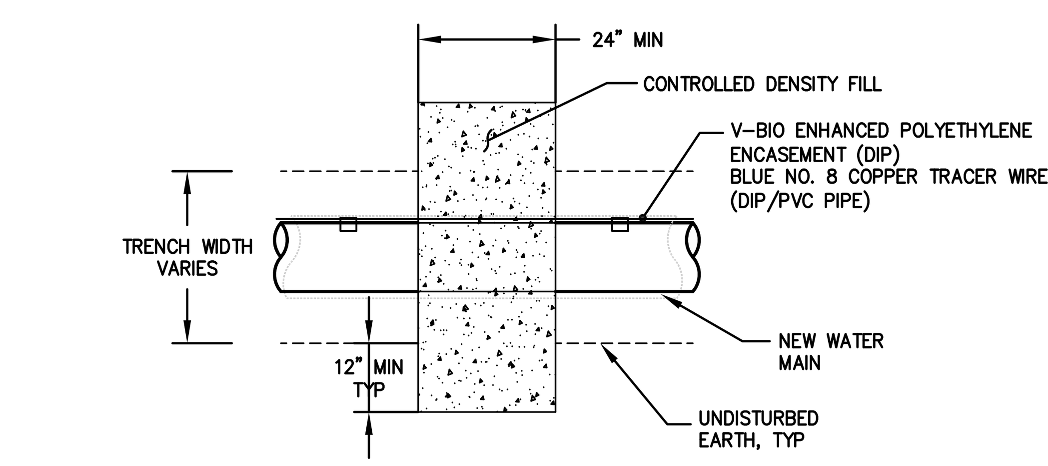
MINIMUM REQUIRED VERTICAL CLEARANCE FROM WATER MAIN AT CROSSINGS

NOTES

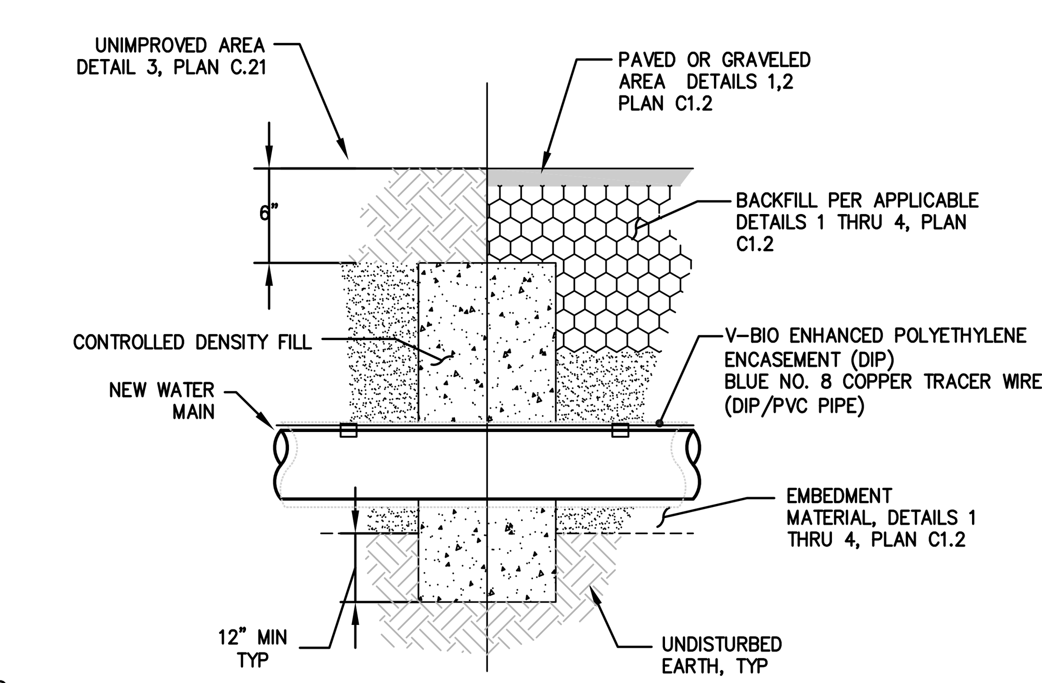
1. ANY DEVIATION FROM THESE REQUIREMENTS REQUIRES WRITTEN APPROVAL FROM THE DISTRICT.
2. ALL CROSSINGS SHALL BE AT 45° TO 90°.
3. NO CONNECTION JOINTS SHALL BE MADE IN THE WATER MAIN WITHIN EIGHT HORIZONTAL FEET OF THE STORM DRAIN AND SANITARY SEWER PIPELINE.
4. 12" CLEARANCE BETWEEN THE OUTER SURFACE OF NEAR STRUCTURES SUCH AS CATCH BASINS, DRAIN INLETS, AND THE EDGE OF THE TRENCH IS REQUIRED.

7 - MINIMUM PIPE SEPRATION REQUIREMENTS

NTS



PLAN



PROFILE

NOTES

1. TRENCH DAMS SHALL BE PLACED ON NEW WATER MAIN ALIGNMENTS WHERE SLOPES EXCEED 10% AT 100' INTERVALS OR AS DIRECTED BY THE DISTRICT.

8 - TRENCH DAM

NTS

REVISIONS

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Pakpour Consulting Group, Inc.
5776 Stoneridge Mall Road, Ste 320
Pleasanton, CA 94588
P: 925.224.7717 F: 925.224.7726
www.pcgengr.com

CHECKED: BRANDON LAURIE
APPROVED: JOUBIN PAKPOUR
DRAWN: VICTOR FUNG
DESIGNED: VICTOR FUNG

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

PLAN C1.3

SHEET 5 OF 19

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0 1 2 3

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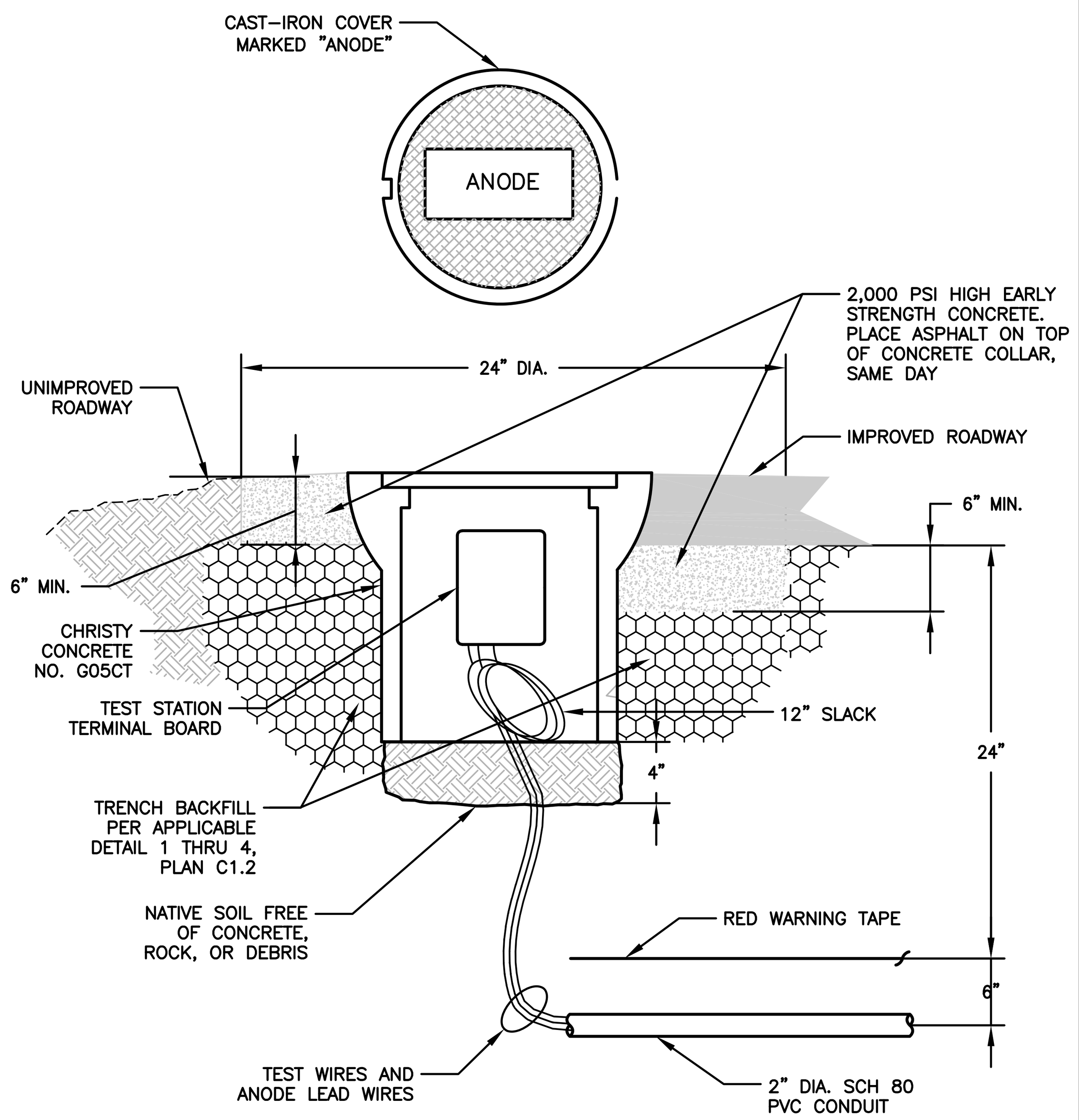
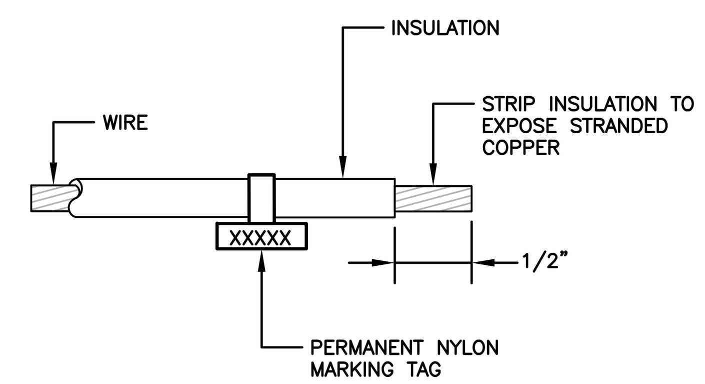
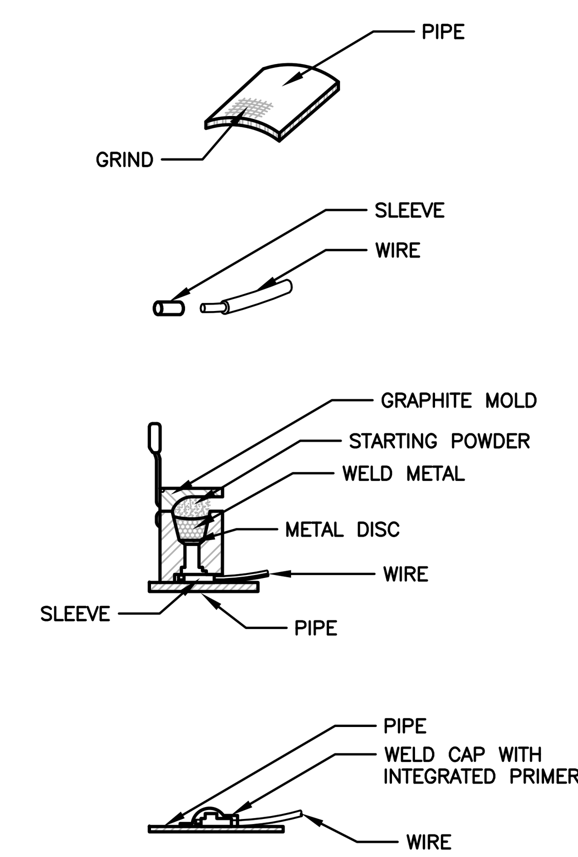


1 FLUSH-MOUNTED TEST STATION BOX
NTS



WIRE IDENTIFIER SCHEDULE	
ANODE	ANODE
PROTECTED DIP	DIP (PR)
UNPROTECTED DIP/CIP	DIP/CIP (UPR)
CROSS	CROSS
TEE	TEE
90° ELBOW	90° EL
45° ELBOW	45° EL
GATE VALVE	GV
BLOW OFF	BO
FIRE HYDRANT	FH

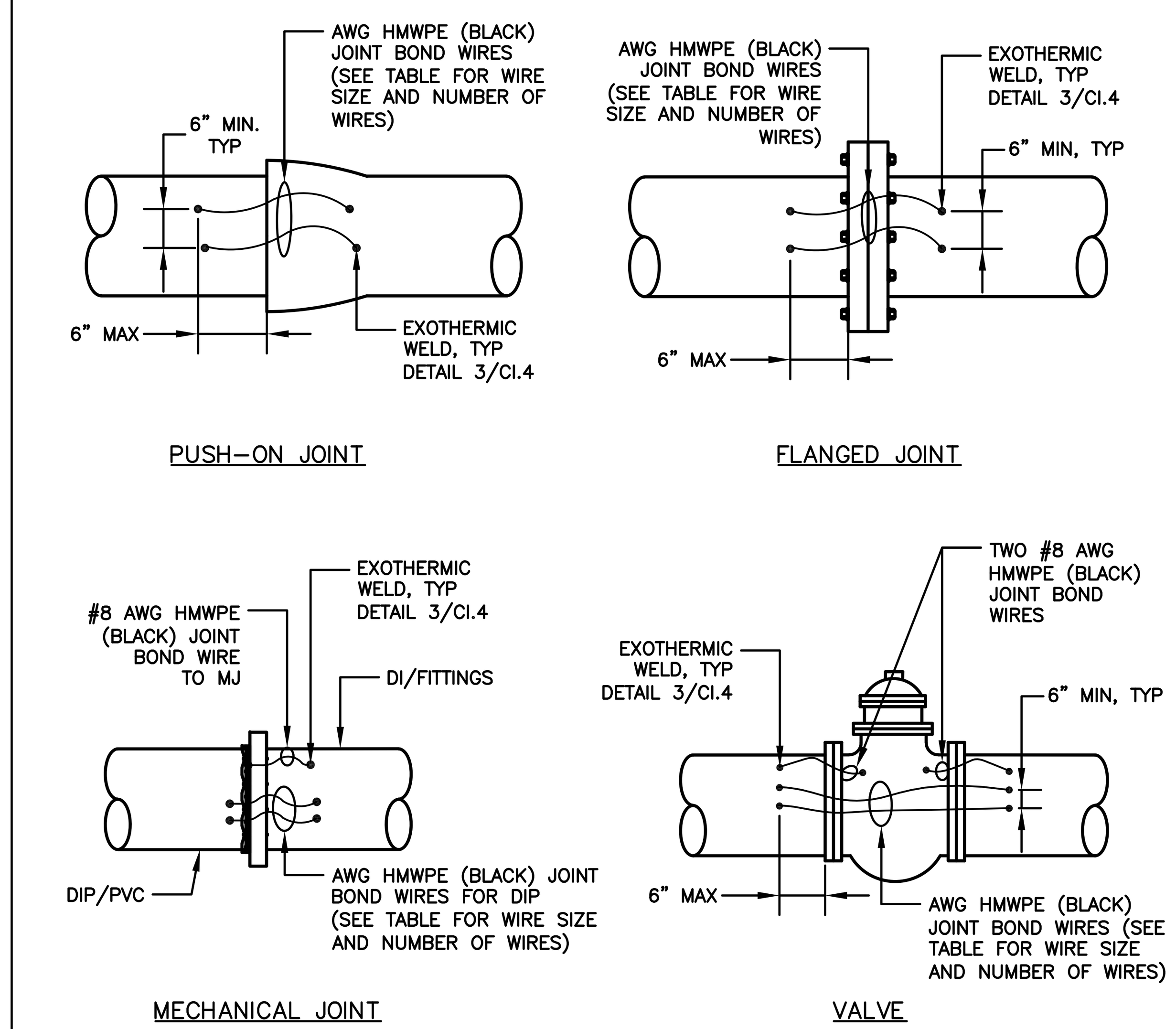
2 WIRE IDENTIFIER
NTS



1. ALL WELDS SHALL BE 6" APART AT MINIMUM.
2. GRIND PIPE TO BARE METAL AND CLEAN SURFACE. GROUND AREA SHALL BE LARGE ENOUGH FOR EXOTHERMIC WELD AND SMALL ENOUGH TO BE COMPLETELY COVERED BY WELD CAP.
3. STRIP INSULATION FROM WIRE AND ATTACH SLEEVE.
4. HOLD MOLD FIRMLY WITH OPENING AWAY FROM OPERATOR. IGNITE WITH FLINT GUN. REMOVE SLAG FROM CONNECTION WITH CHIPPING HAMMER. TEST WELD WITH 22 OZ HAMMER.
5. COVER WITH WELD CAP WITH INTEGRATED PRIMER. REPAIR ALL DAMAGE TO COATING BEYOND WELD IN ACCORDANCE WITH COATING AND LINING MFG RECOMMENDATIONS.

NOTES
PIN BRAZING SHALL BE ALLOWED UPON DISTRICT APPROVAL.

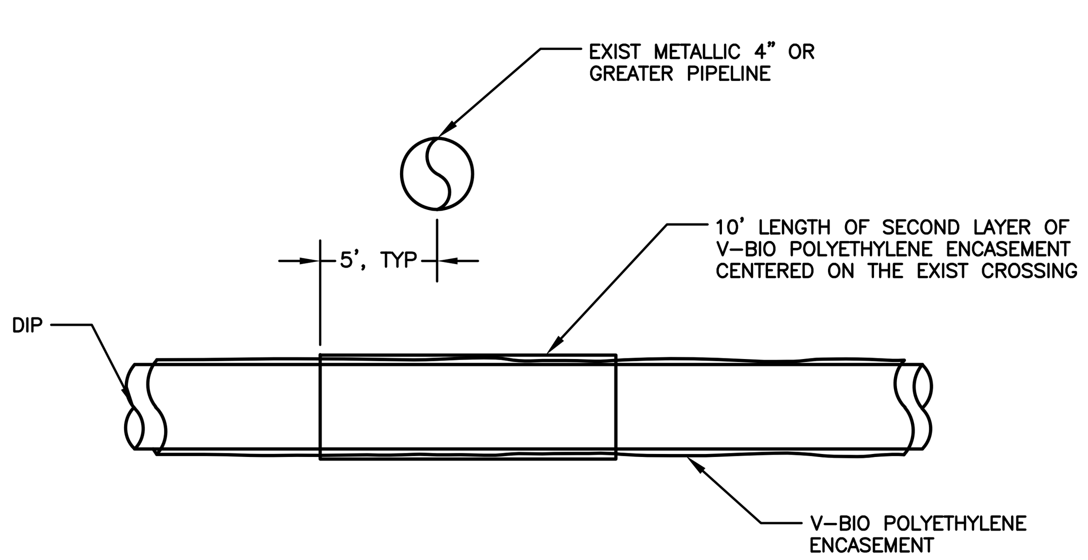
3 EXOTHERMIC WELD
NTS



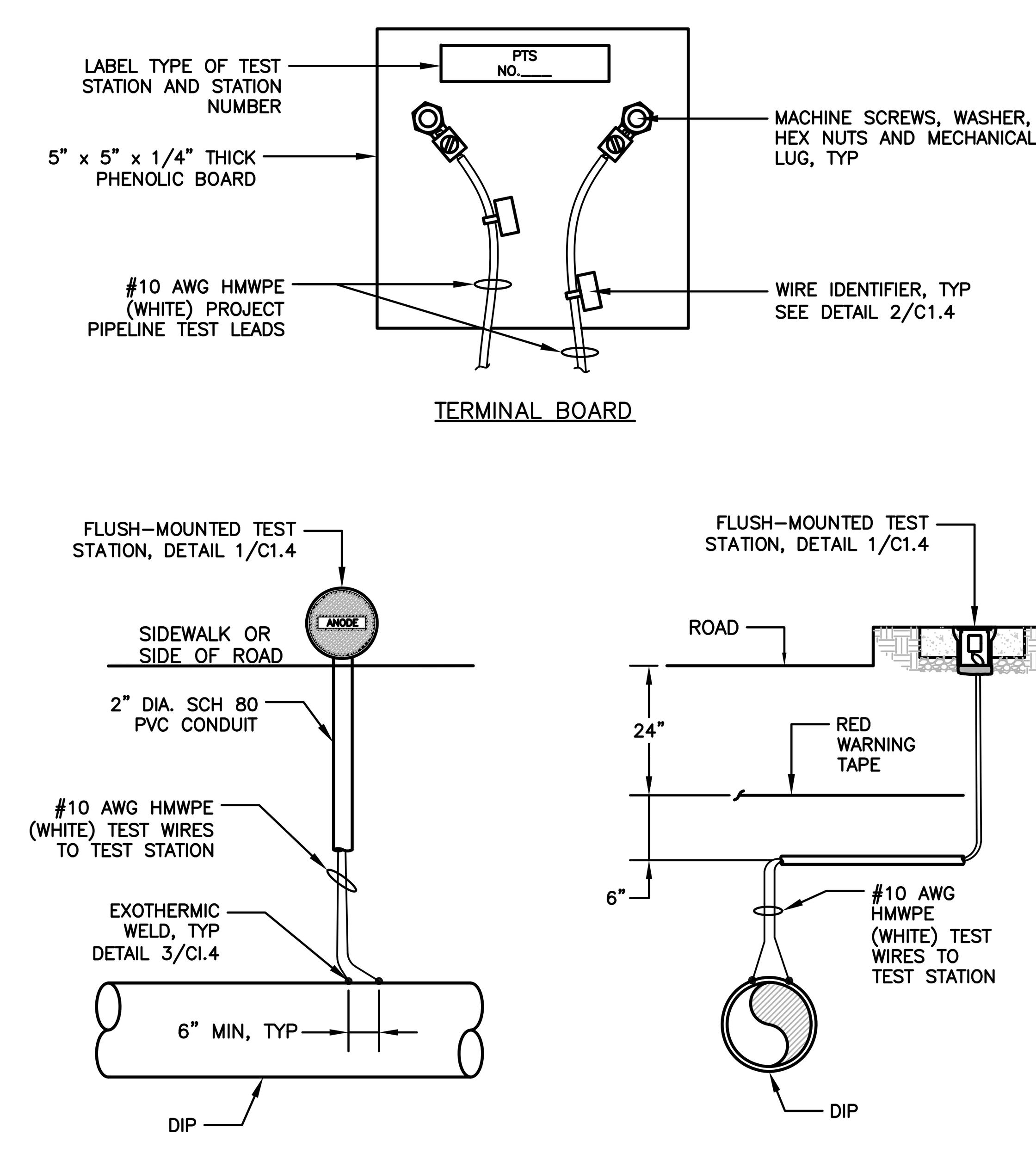
PIPE DIAMETER	6"	8"	10"	12"	18"	24"
WIRE SIZE*	#4	#4	#4	#2	#2	#2
NUMBER OF WIRES	2	2	2	2	3	4

*WIRE SIZES ARE SHOWN FOR CLASS 50 DIP

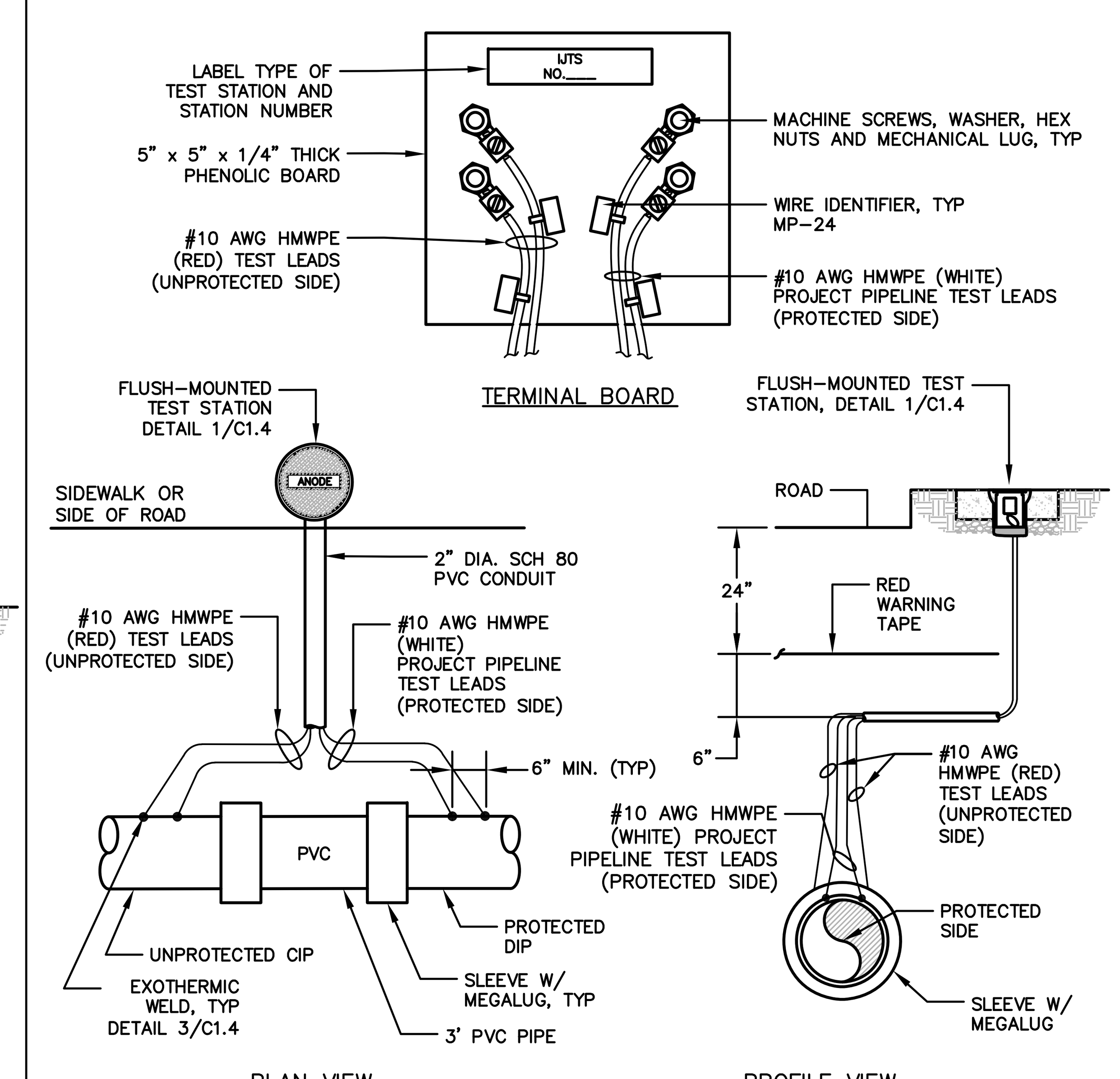
4 PIPE JOINT BONDING
NTS



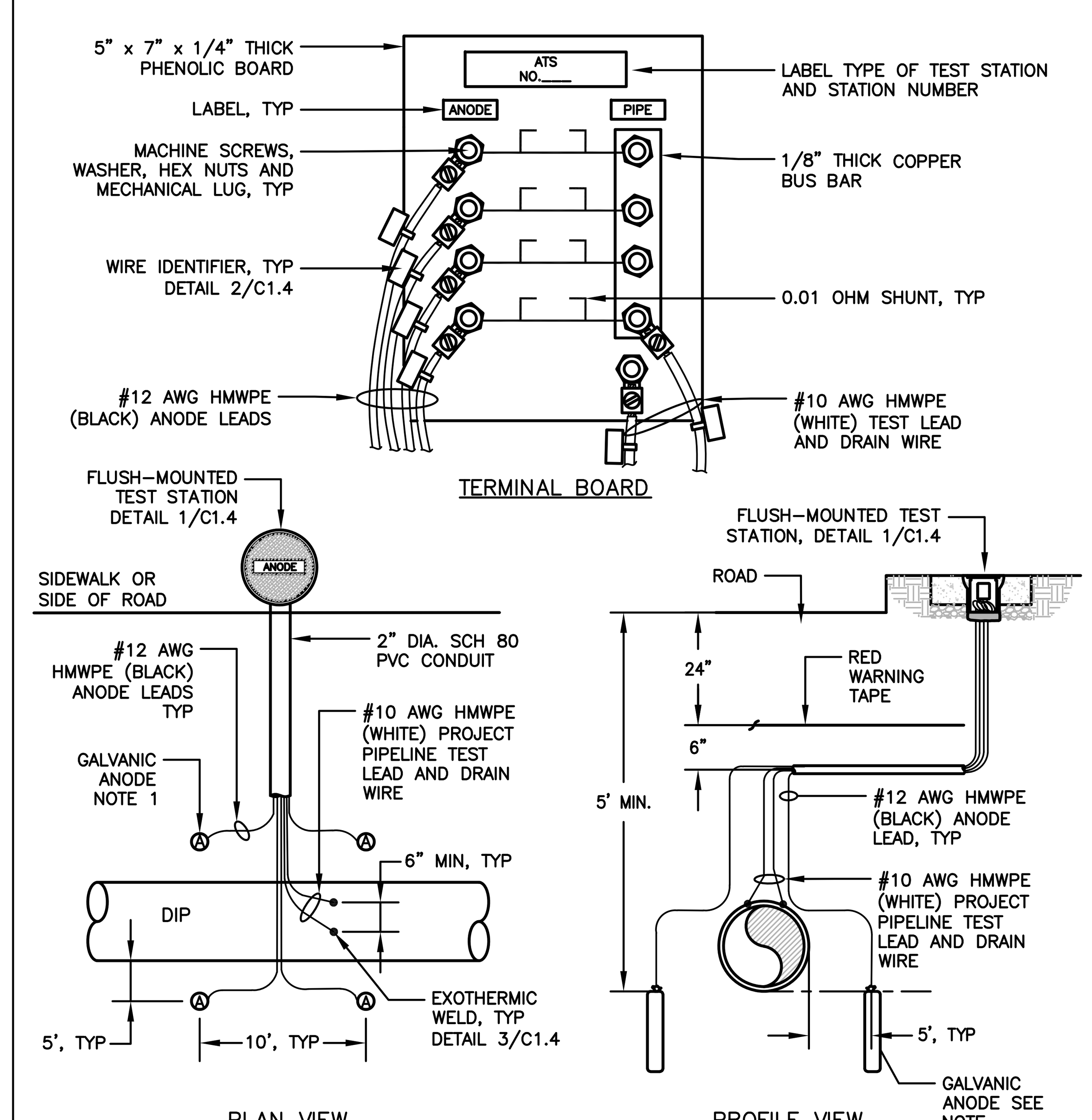
5 DOUBLE ENCASEMENT
NTS



6 POTENTIAL TEST STATION (PTS)
NTS



7 INSULATING JOINT TEST STATION (IJTS) AT CIP TIE-INS
NTS



NOTES
1. FOUR (4) ANODES AND 60 LB HIGH-POTENTIAL MAGNESIUM.

8 ANODE TEST STATION (ATS)
NTS

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0 1 2 3

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Pakpour Consulting Group, Inc.
5776 Stoneridge Mall Road, Ste 320
Pleasanton, CA 94588
P: 925.224.7717 F: 925.224.7726
www.pcgengr.com

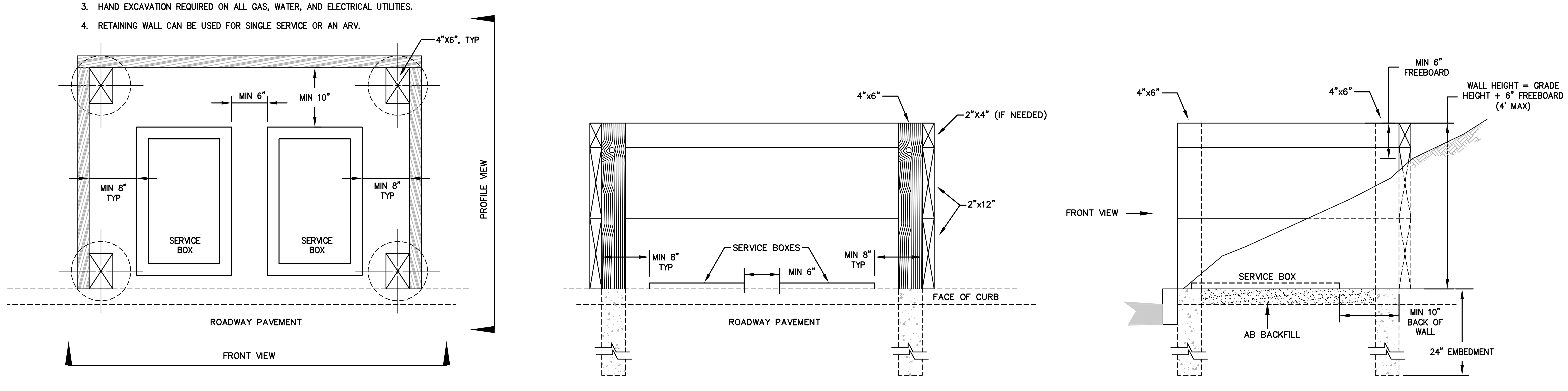
DRAWN: VICTOR FUNG
DESIGNED: VICTOR FUNG
CHECKED: BRANDON LAURIE
APPROVED: JOUBIN PAKPOUR

MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
CONSTRUCTION DETAILS

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26
PLAN C1.4
SHEET 6 OF 19

NOTES

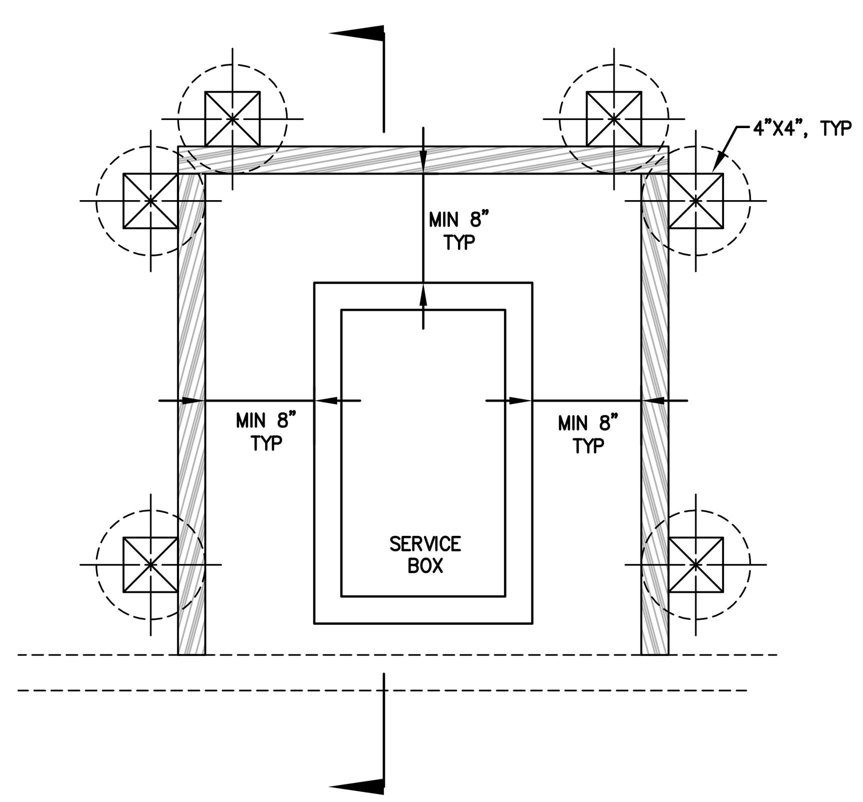
1. ALL LUMBER SHALL BE PRESSURE TREATED LUMBER WITH 0.40 LBS/CF RETENTION OR GREATER.
2. ALL DIMENSIONS SHOWN ARE FOR A TYPICAL RETAINING WALL. FIELD CONDITIONS MAY REQUIRE DEVIATION FROM DETAIL. CONTRACTOR SHALL VERIFY SITE CONDITIONS AND OBTAIN APPROVAL FROM THE DISTRICT BEFORE MAKING CHANGES.
3. HAND EXCAVATION REQUIRED ON ALL GAS, WATER, AND ELECTRICAL UTILITIES.
4. RETAINING WALL CAN BE USED FOR SINGLE SERVICE OR AN ARV.



PLAN　　FRONT VIEW　　PROFILE VIEW

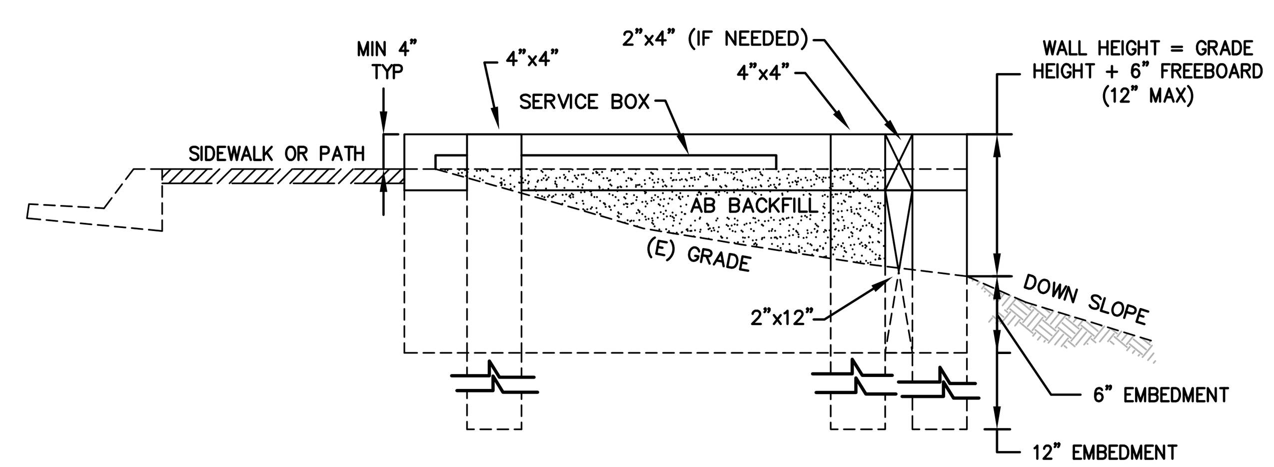
1 WATER SERVICES AND ARV RETAINING WALL

NTS



NOTES

1. ALL LUMBER SHALL BE PRESSURE TREATED LUMBER WITH 0.40 LBS/CF RETENTION OR GREATER.
2. ALL DIMENSIONS SHOWN ARE FOR A TYPICAL PAD. FIELD CONDITIONS MAY REQUIRE DEVIATION FROM DETAIL. CONTRACTOR SHALL VERIFY SITE CONDITIONS AND OBTAIN APPROVAL FROM THE DISTRICT BEFORE MAKING CHANGES.
3. HAND EXCAVATION REQUIRED ON ALL GAS, WATER, AND ELECTRICAL UTILITIES.
4. PAD WALL CAN BE USED FOR MULTIPLE SERVICES OR AN ARV.



2 SERVICE PAD (DOWN SLOPE)

NTS

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0 1 2 3

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5776 Stoneridge Mall Road, Ste 320
Pleasanton, CA 94588
P: 925.224.7717 F: 925.224.7726
www.pcgengr.com

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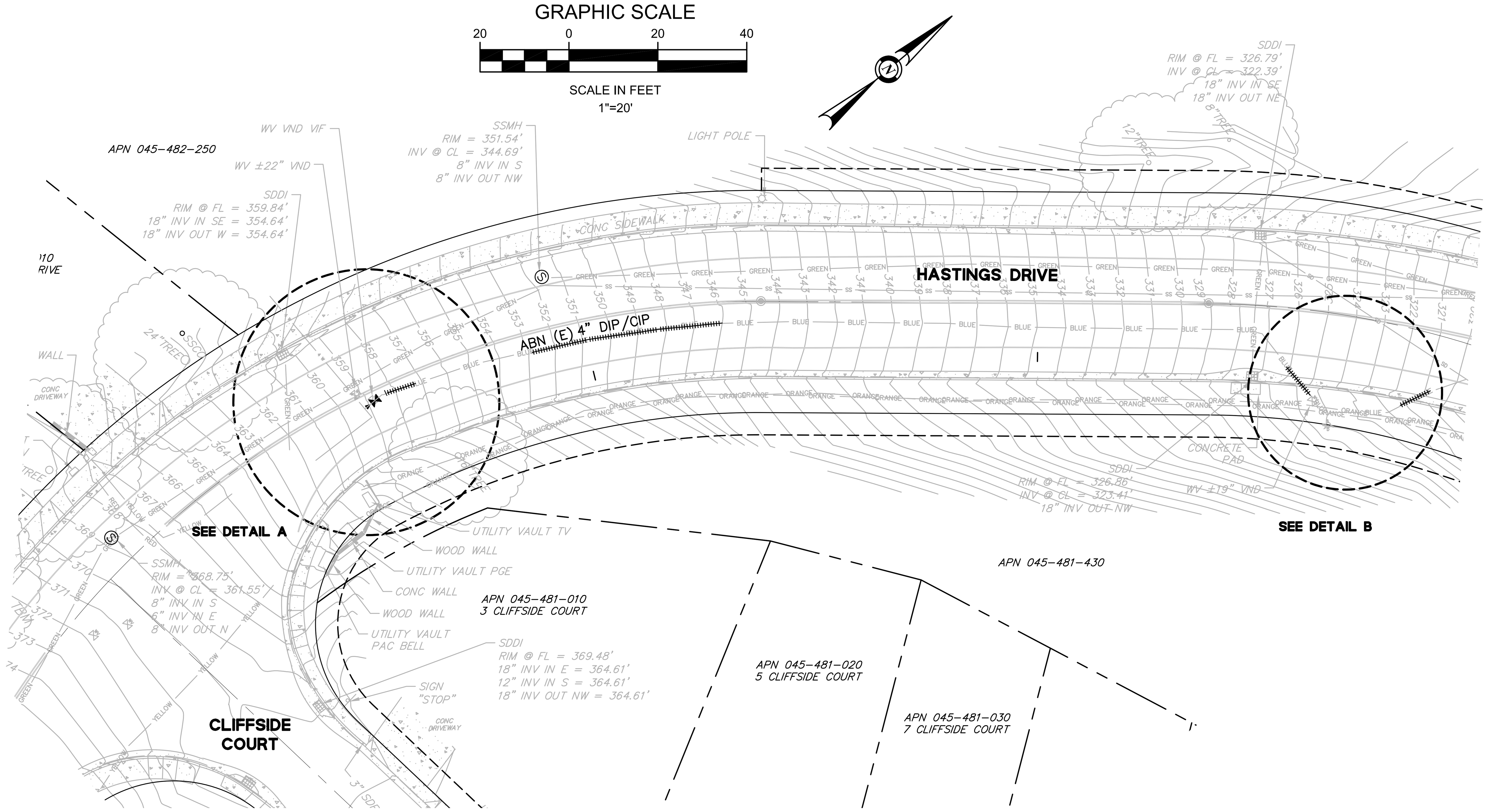
DESIGNED: VICTOR FUNG
CHECKED: BRANDON LAURIE
APPROVED: JOUBIN PAKPOUR

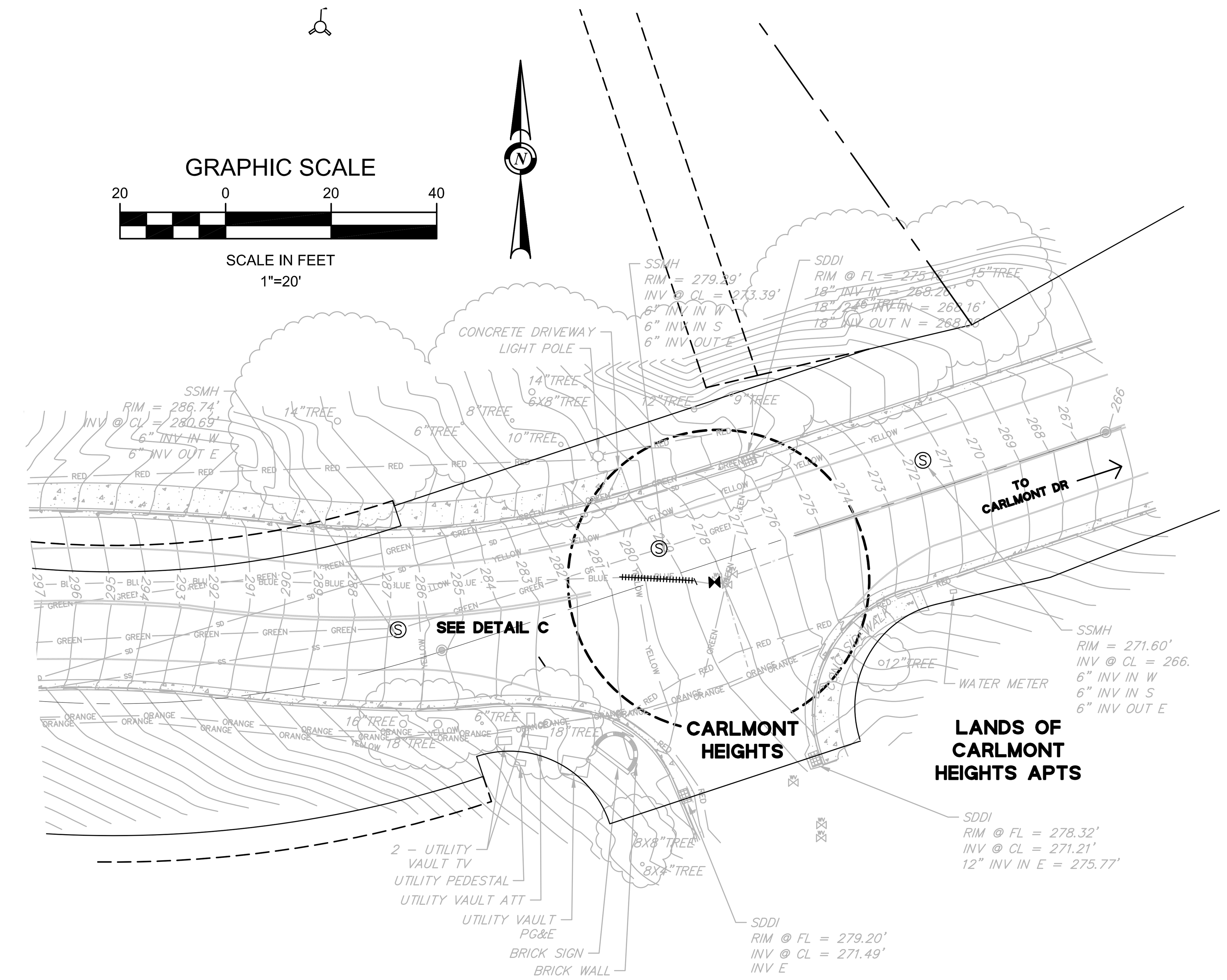
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS

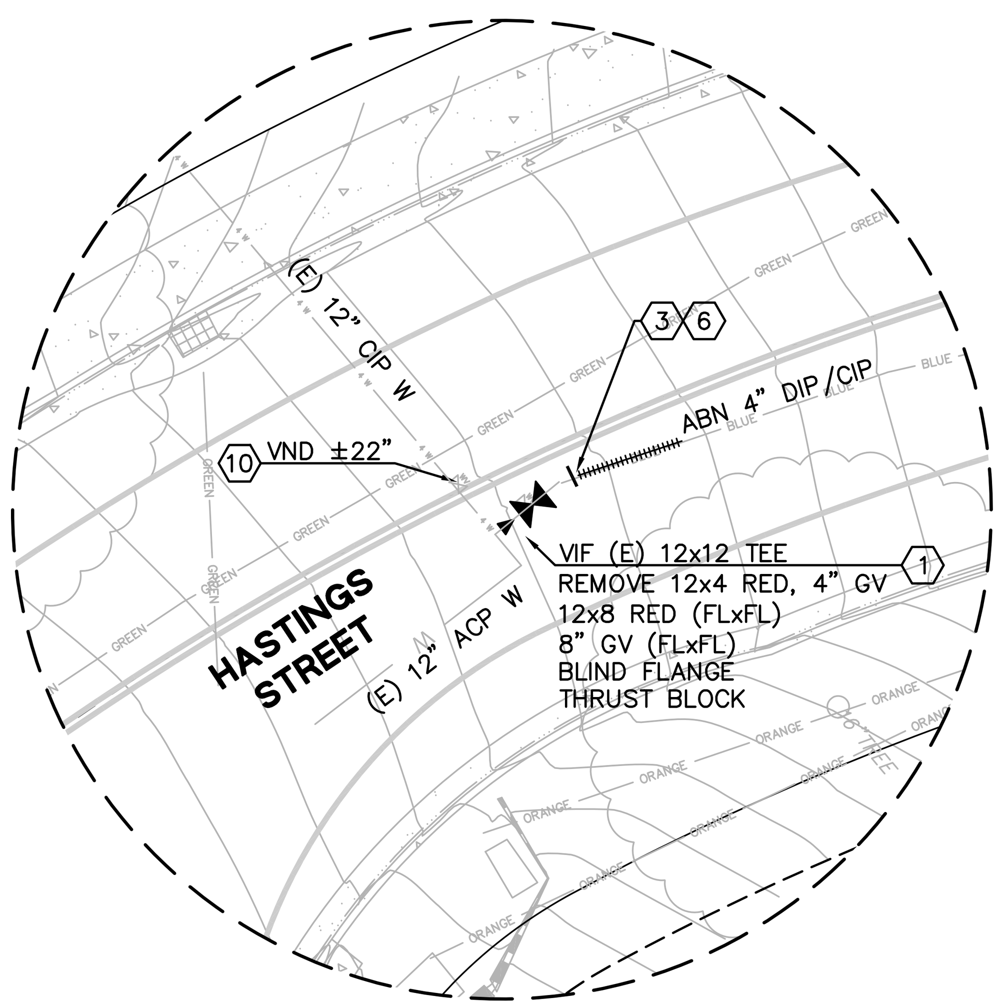
CONSTRUCION DETAILS

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

PLAN C1.5
SHEET 7 OF 19

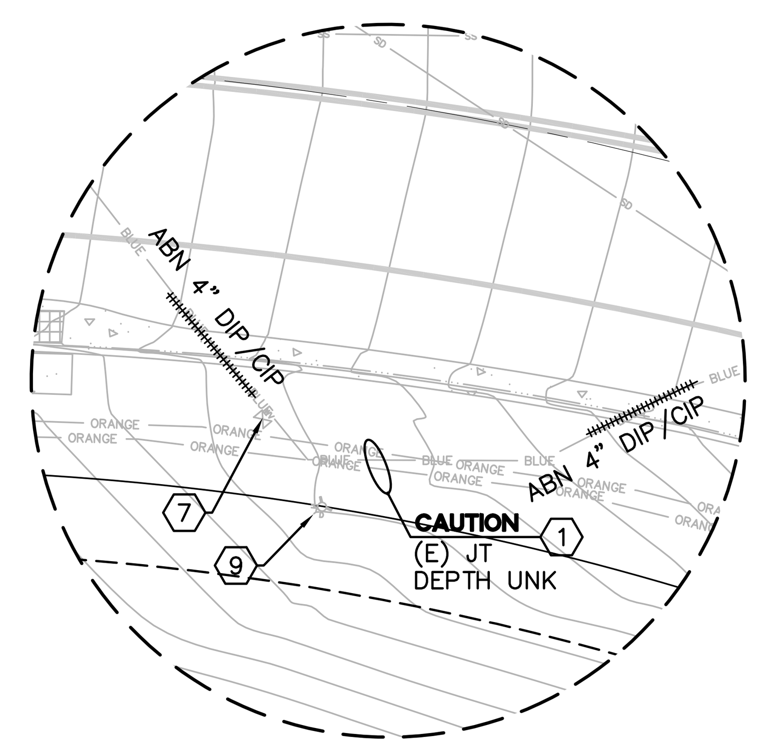






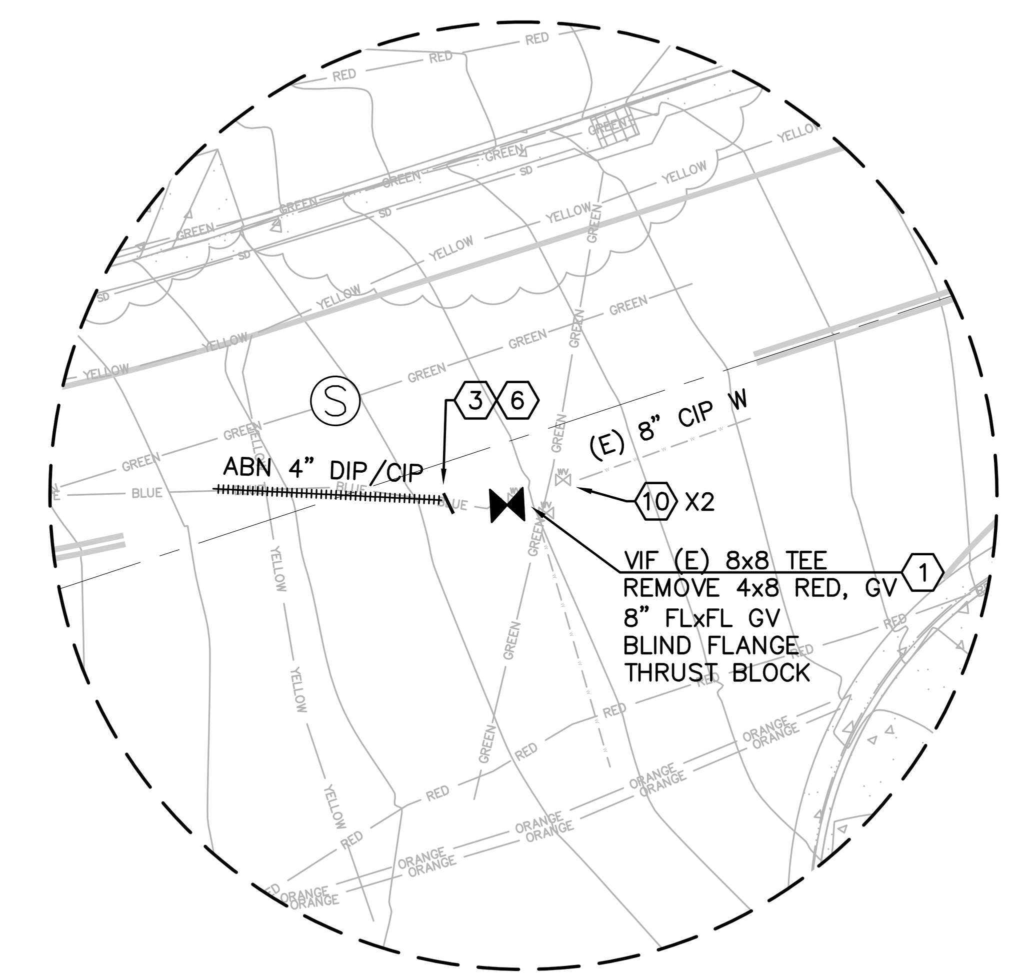
DETAIL A
HASTINGS DR WEST 4" WATER MAIN ABANDONMENT

SCALE 1"=10'



DETAIL B
HASTINGS DR FH ABANDONMENT

SCALE 1"=10'



DETAIL C
HASTINGS DR EAST 4" WATER MAIN ABANDONMENT

SCALE 1"=10'

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ORIGINAL SCALE IS IN INCHES

0 1 2 3

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CIVIL
STATE OF CALIFORNIA
10/18/21

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5776 Stoneridge Mall Road, Ste 320
Pleasanton, CA 94588
P: 925.224.7717 F: 925.224.7726
www.pcgengr.com

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DESIGNED: VICTOR FUNG
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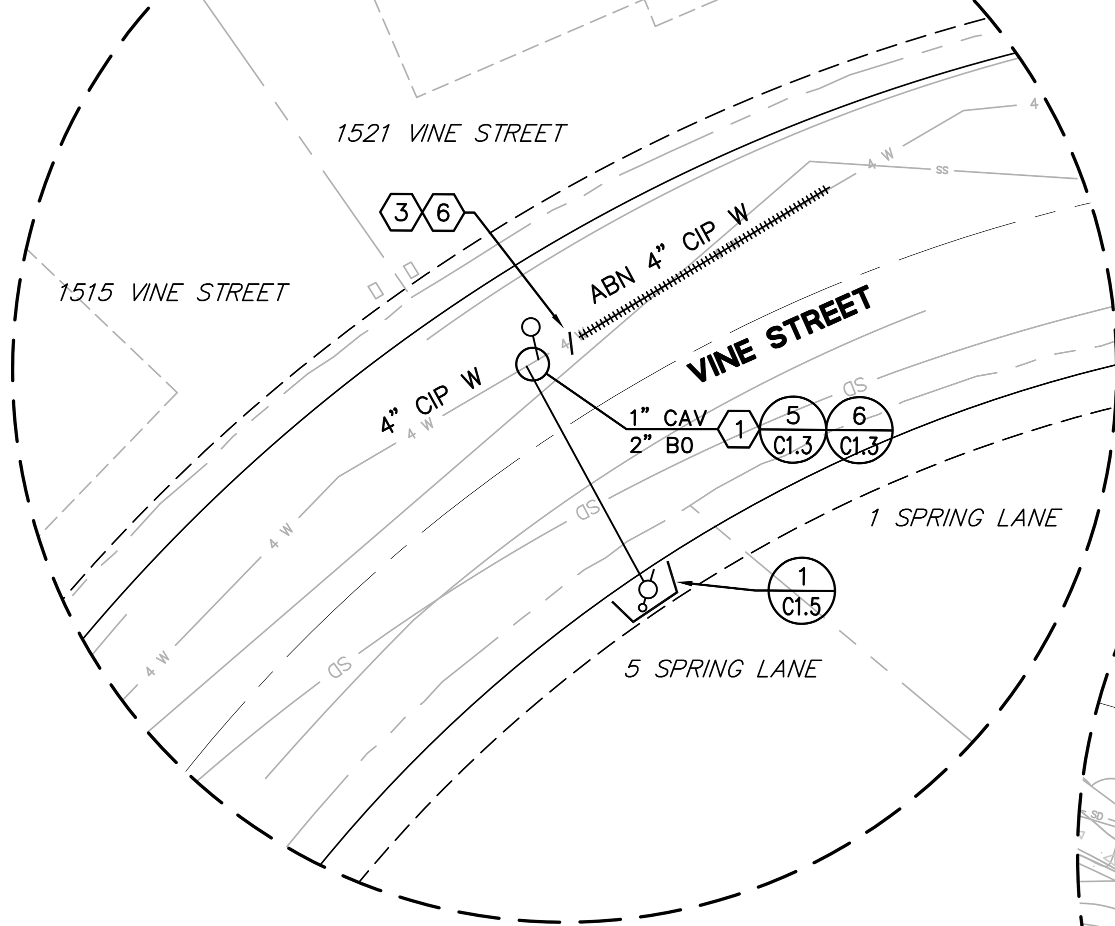
APPROVED: JOUBIN PAKPOUR

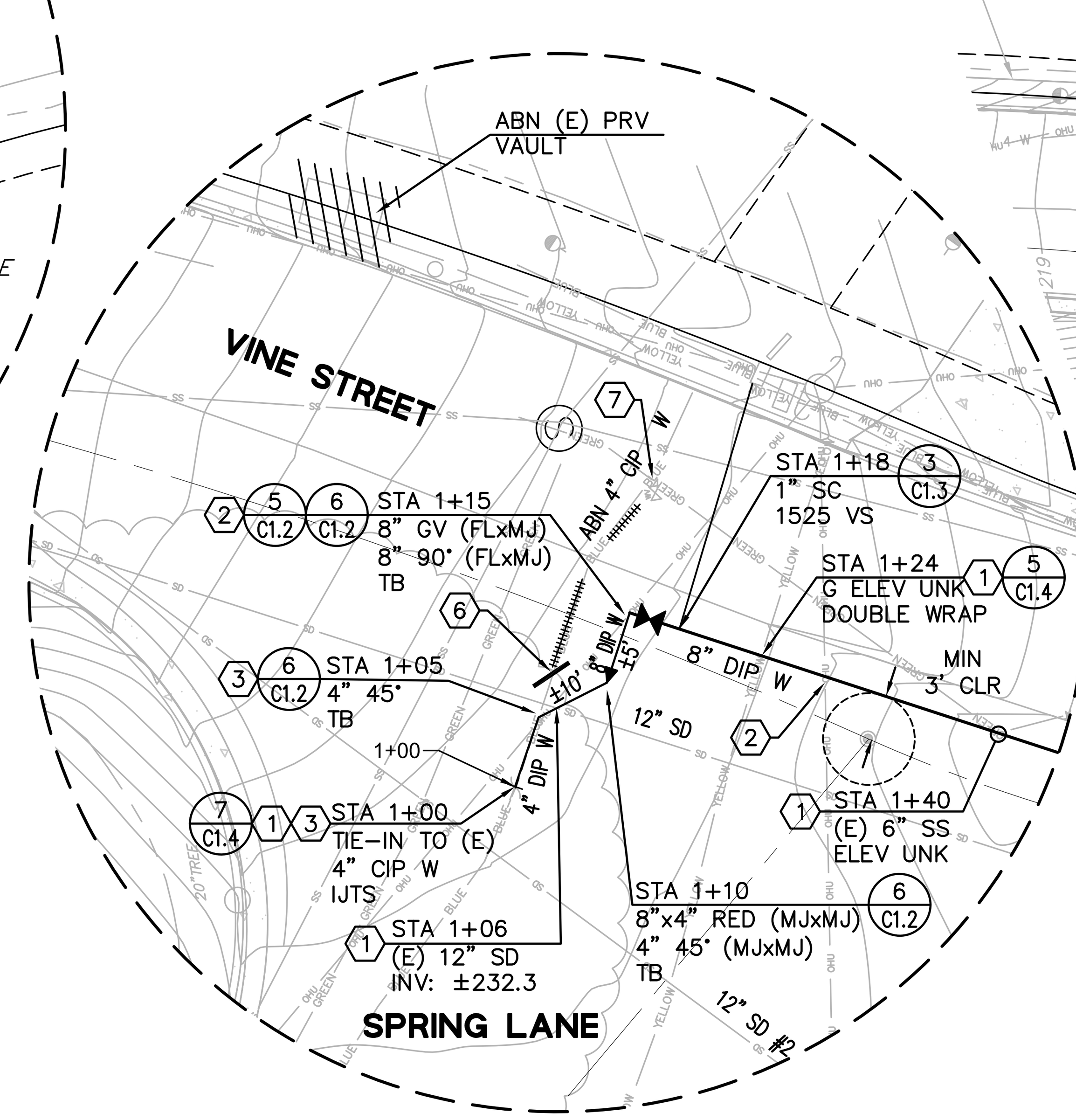
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
HASTINGS DR
WATER MAIN ABANDONMENTS

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

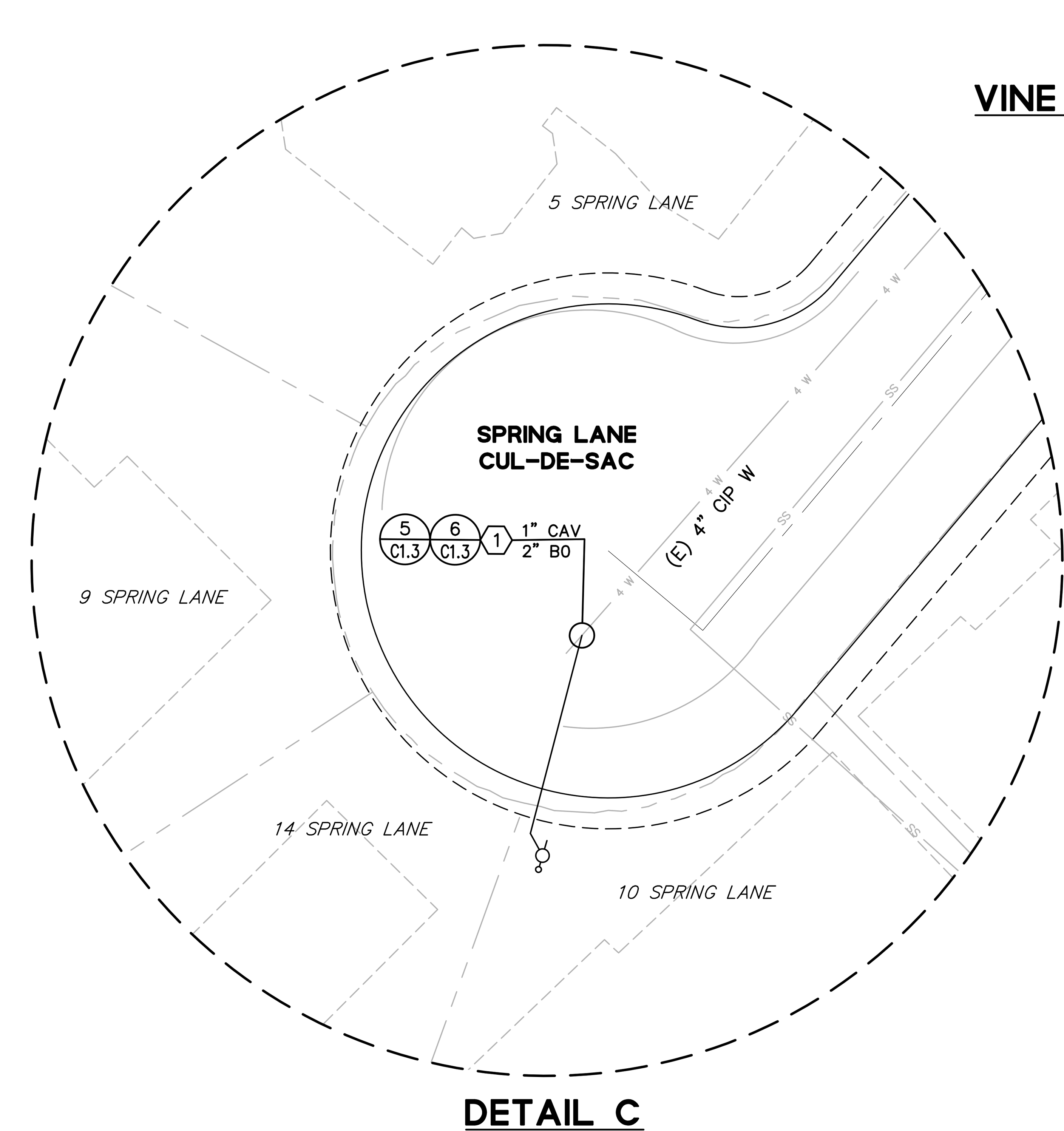
PLAN C2.1
SHEET 8 OF 19



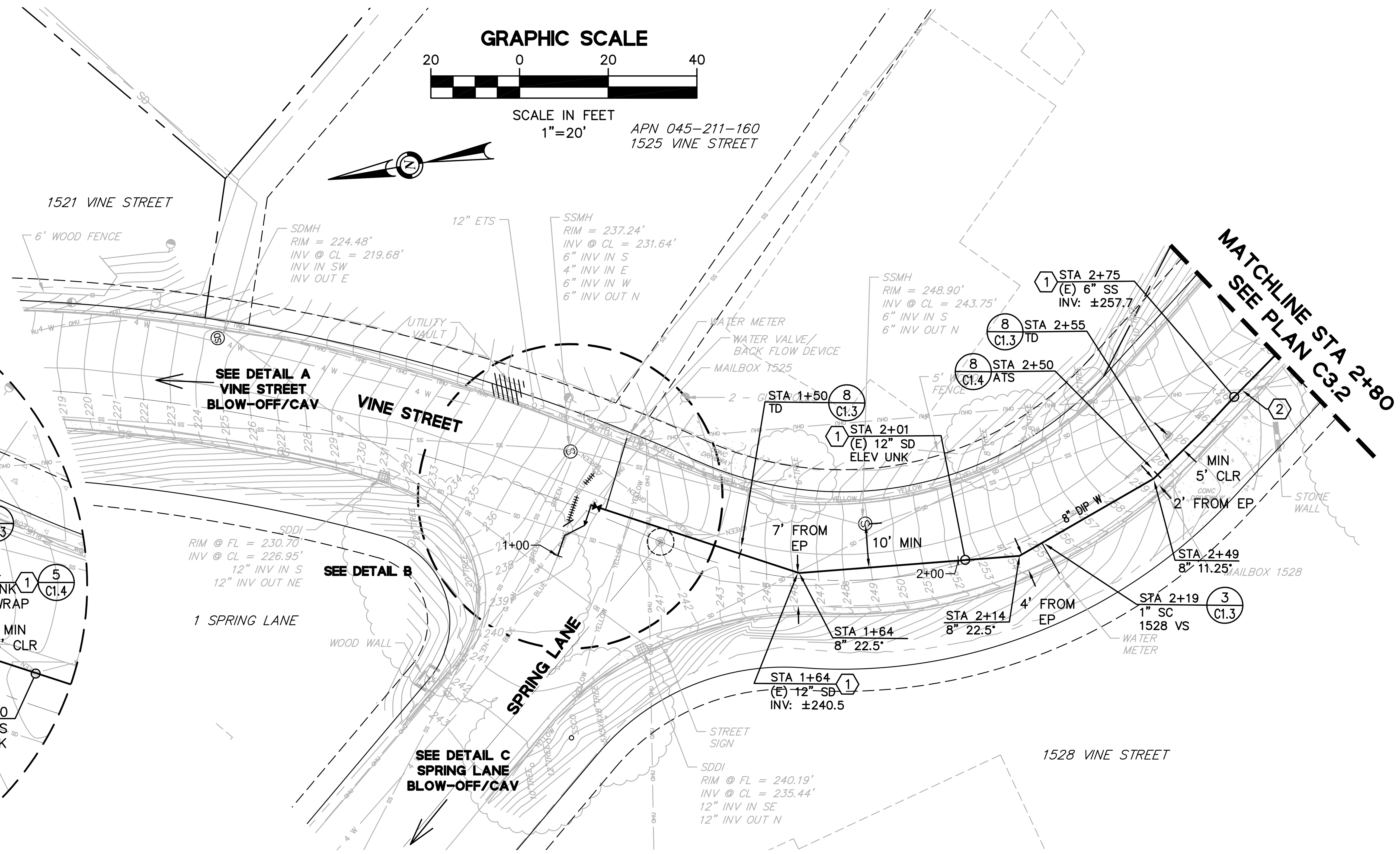
DETAIL A
VINE STREET BLOW-OFF/ARV CONNECTION
SCALE 1"=20'

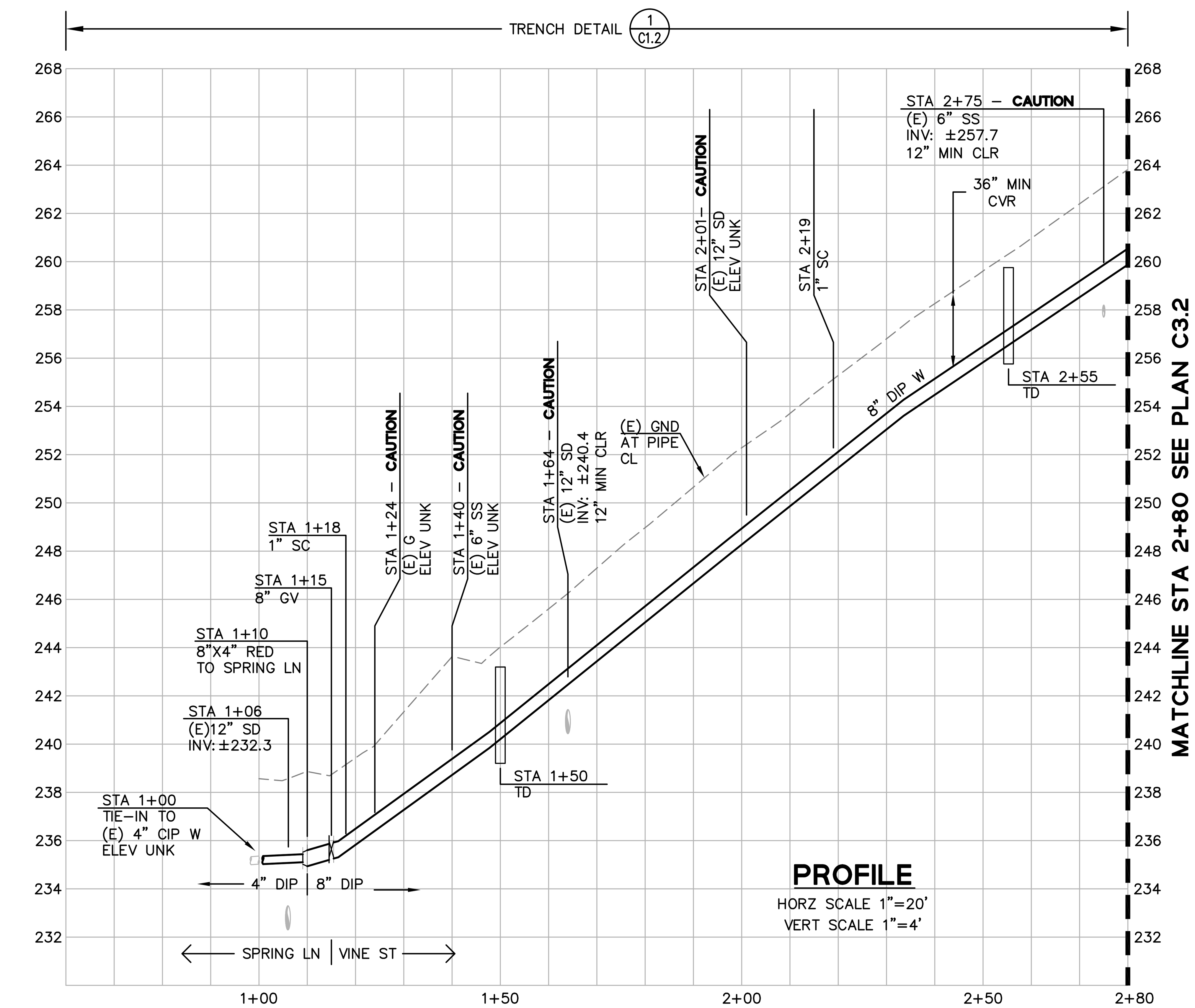


DETAIL B
VINE STREET CONNECTION
SCALE 1"=10'



DETAIL C
SPRING LANE BLOW-OFF CONNECTION
SCALE 1" = 10'





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10/18/21

Pakpour Consulting Group, Inc.
5776 Stoneridge Mall Road, Ste 320
Pleasanton, CA 94588
P: 925.224.7717 F: 925.224.7726
www.pcgengr.com

CHECKED: BRANDON LAURIE
APPROVED: JOUBIN PAKPOUR
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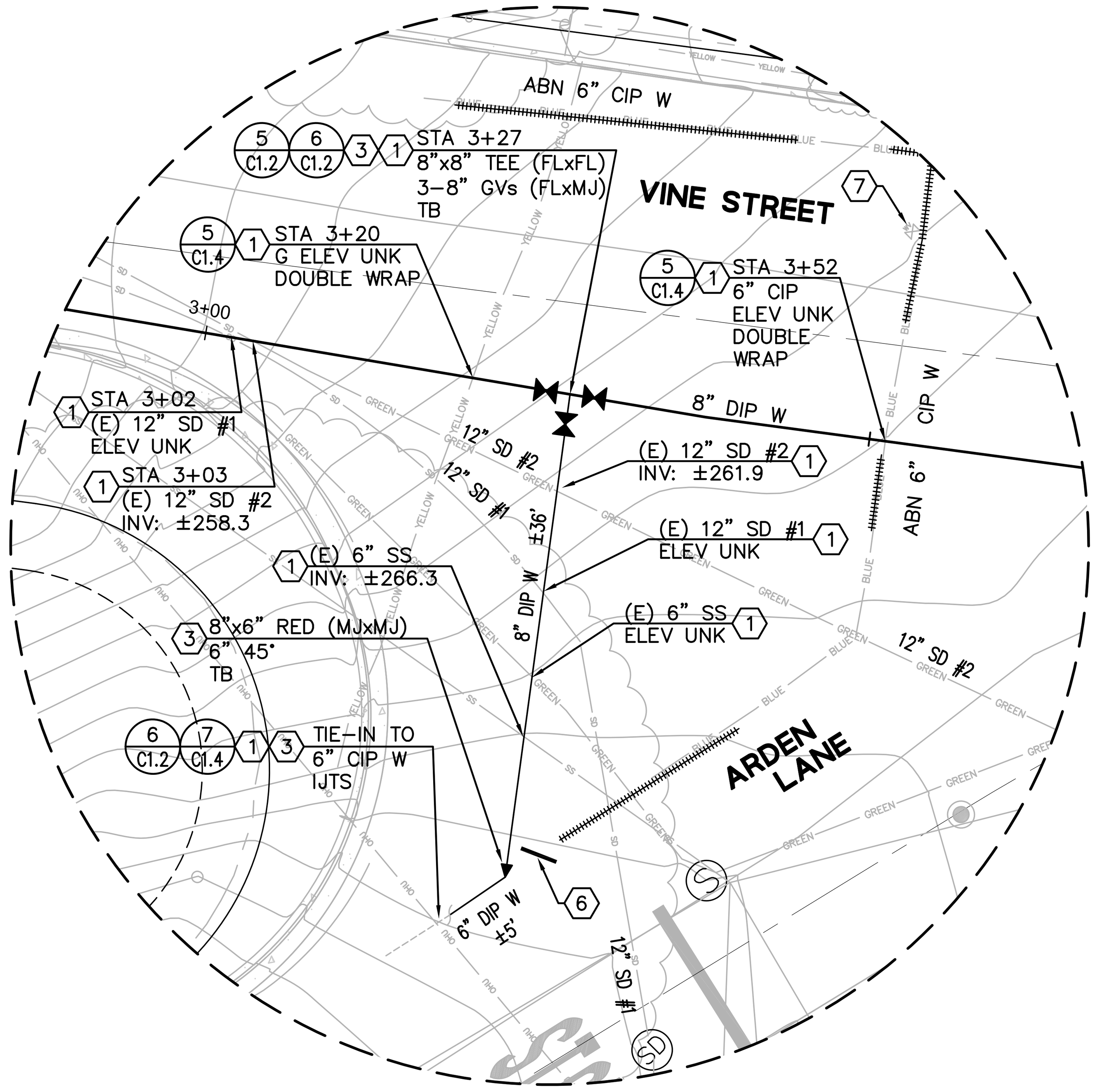
DESIGNED: VICTOR FUNG

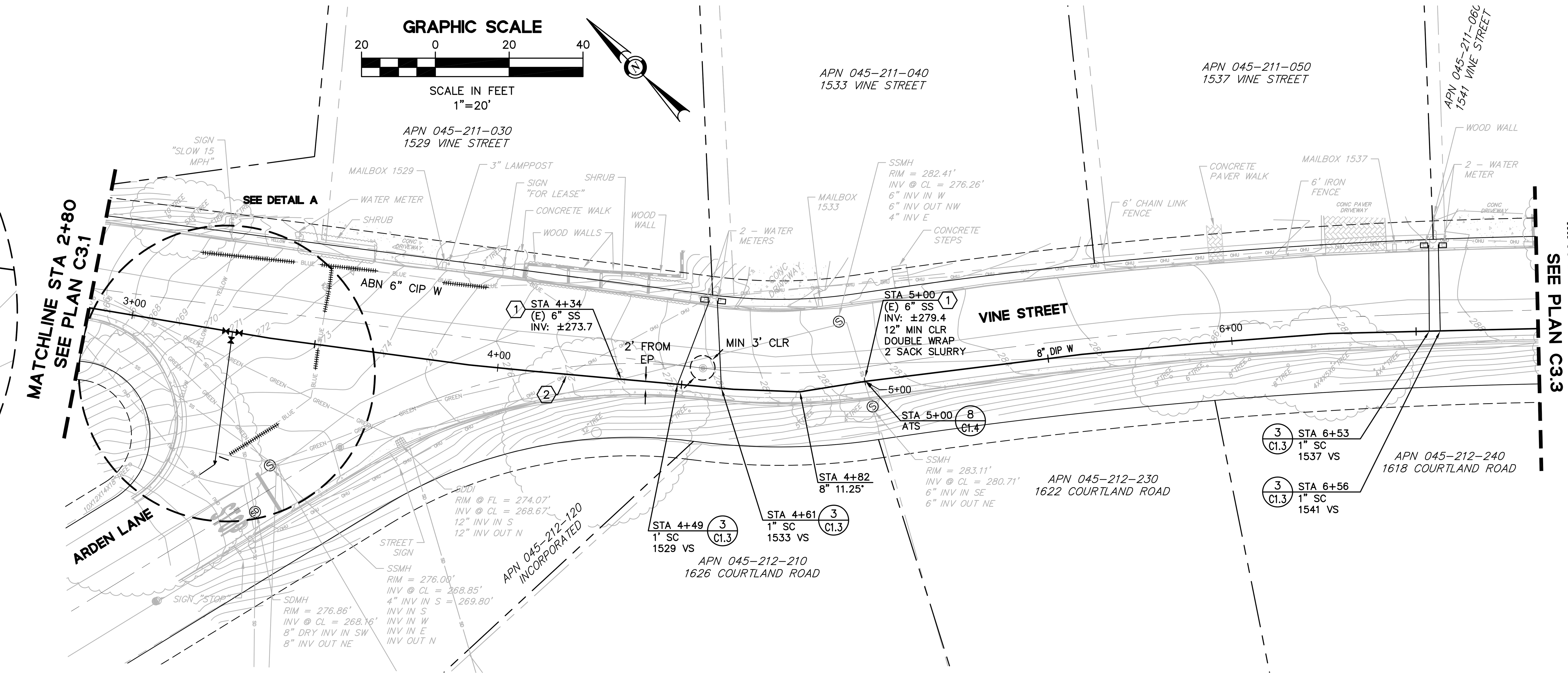
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
VINE ST - PLAN AND PROFILE
STA 1+00 TO STA 2+80

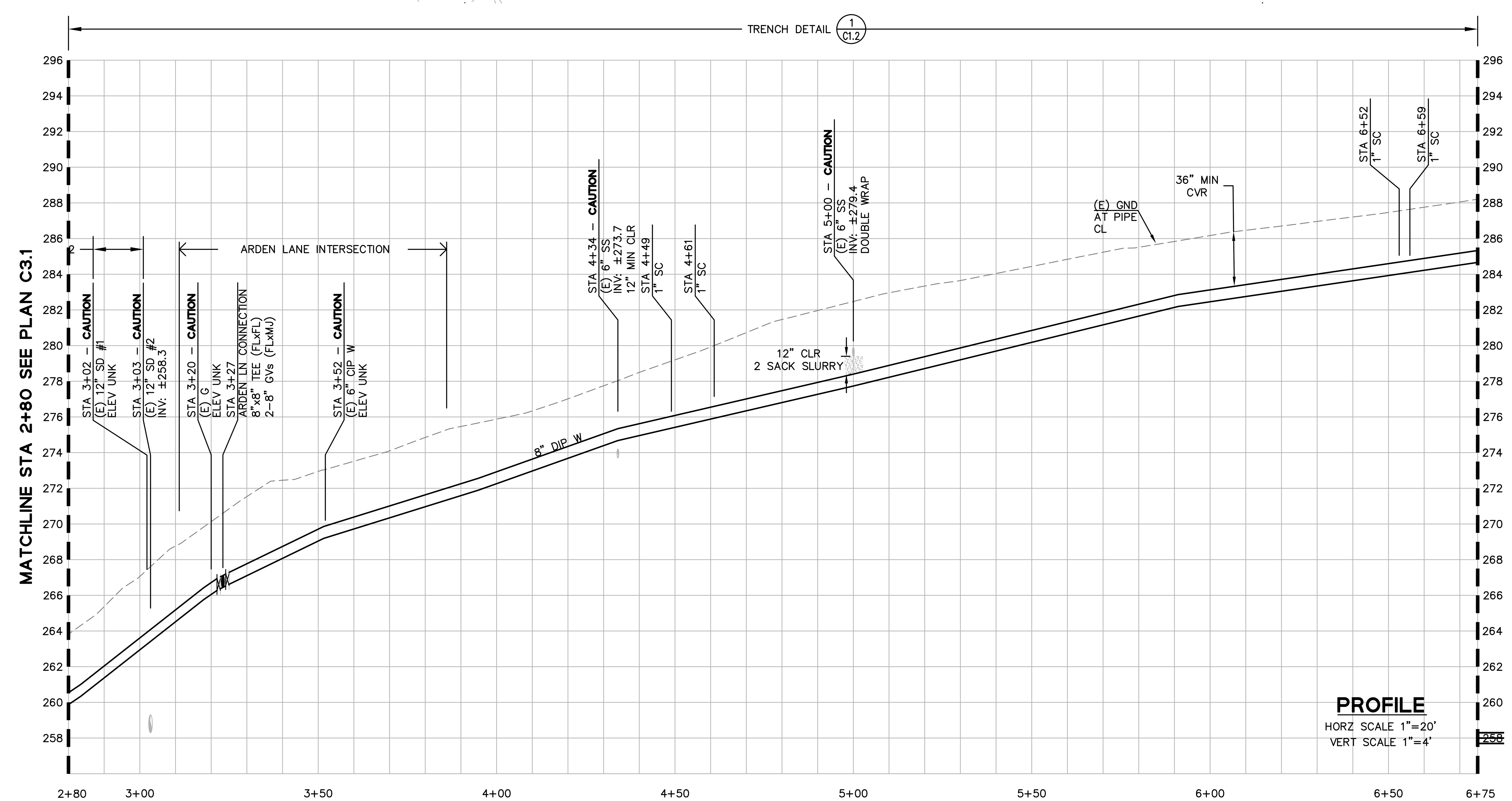
DATE: 09/03/21
SCALE: AS NOTED
PCG JOB NO. 10012.26
PLAN C3.1
SHEET 9 OF 19



DETAIL A
ARDEN LANE CONNECTION

SCALE 1"=10'





PROFILE

HORZ SCALE 1"=20'
VERT SCALE 1"=4'

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P: 925.224.7717 F: 925.224.7726
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MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
VINE ST – PLAN AND PROFILE
STA 2+80 TO STA 6+75

DATE 09/03/21
SCALE AS NOTED
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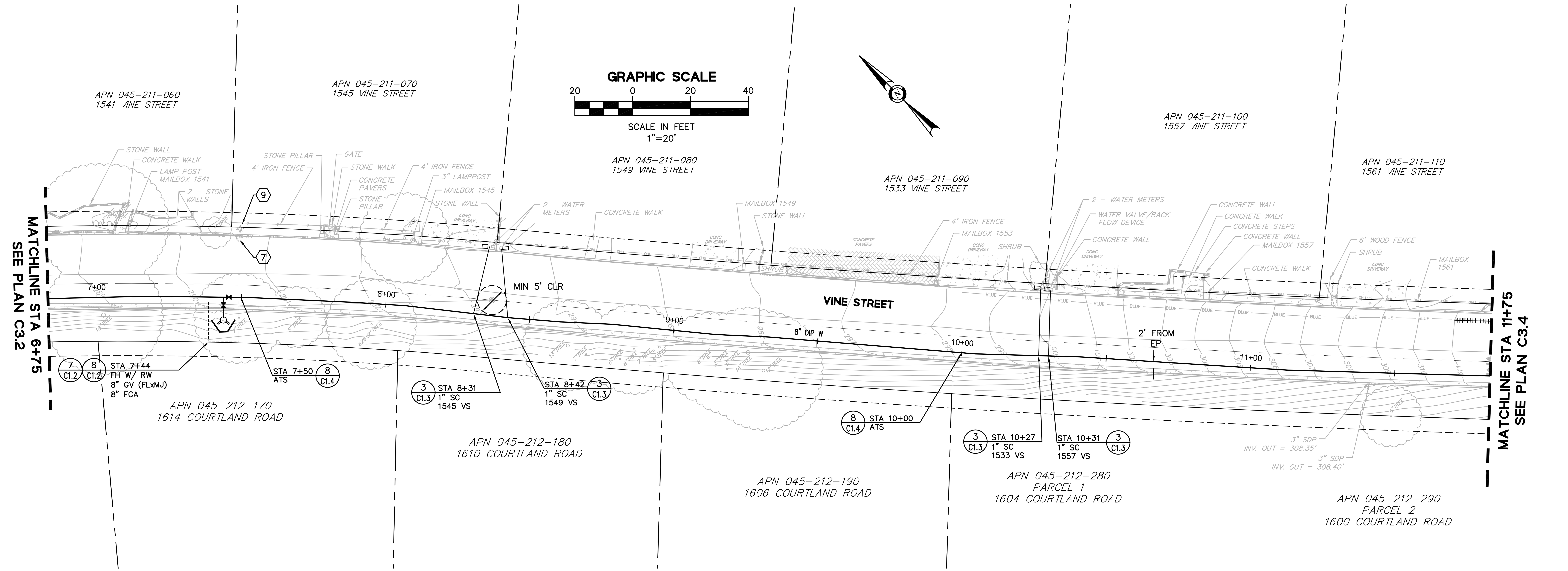

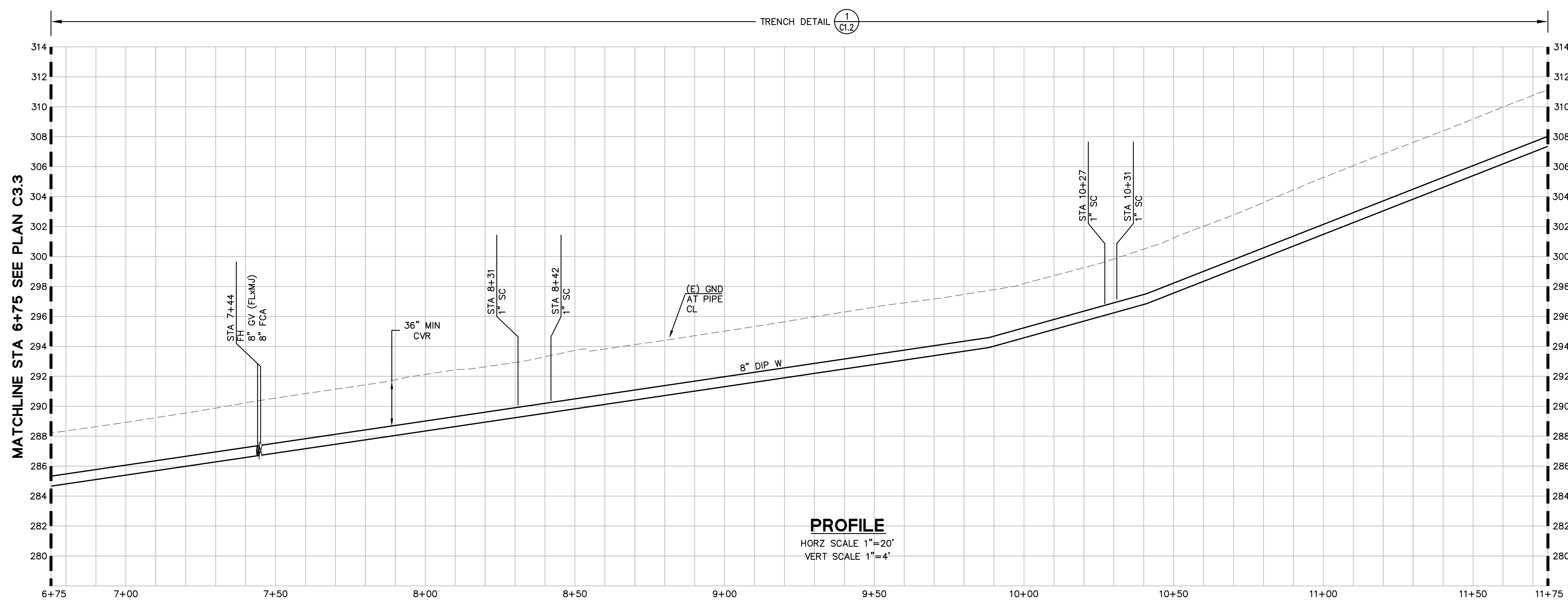

PROFILE

HORZ SCALE 1"=20'
VERT SCALE 1"=4'

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0 1 2 3

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P: 925.224.7717 F: 925.224.7726
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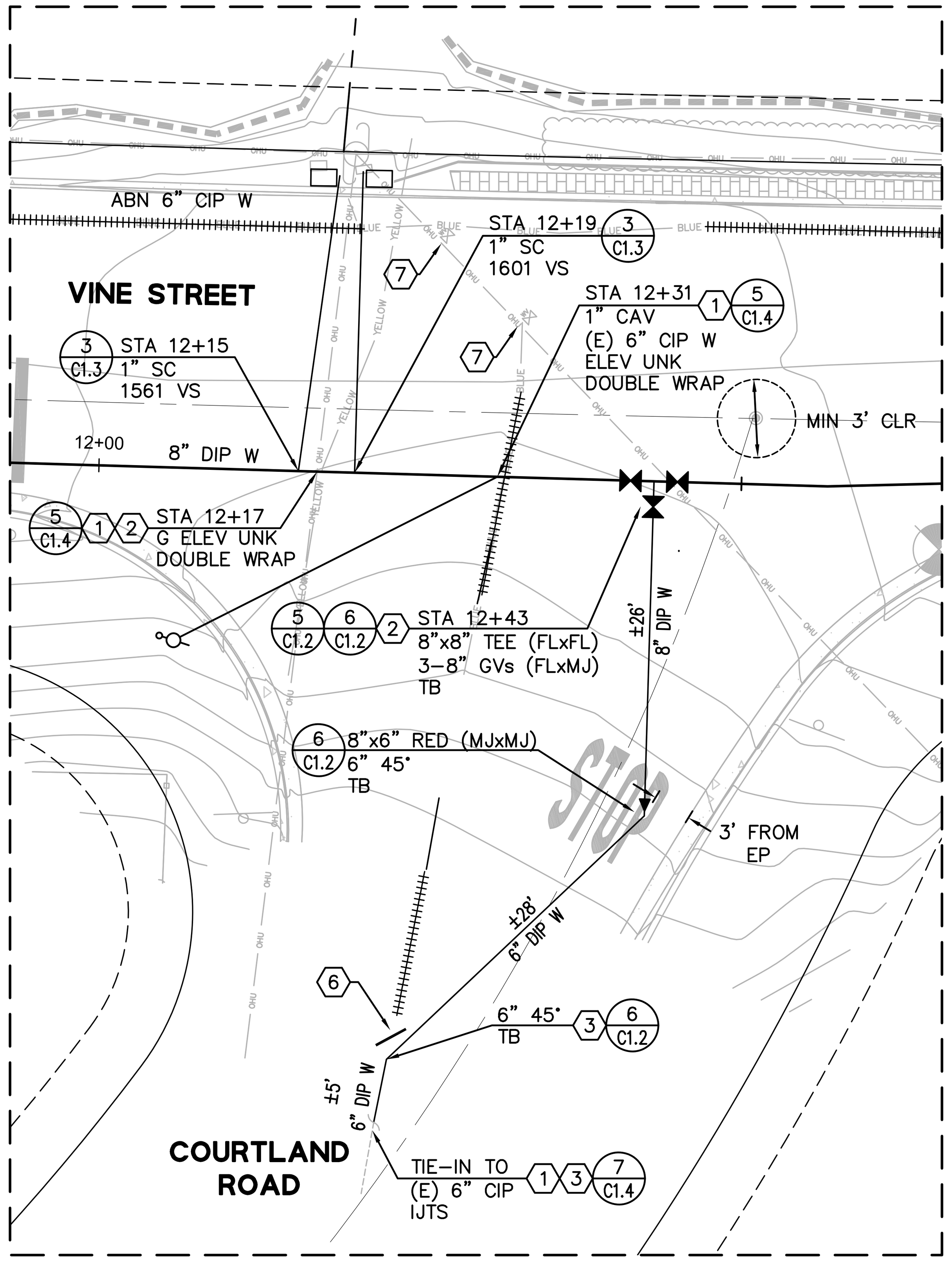
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
VINE ST - PLAN AND PROFILE
STA 6+75 TO STA 11+75

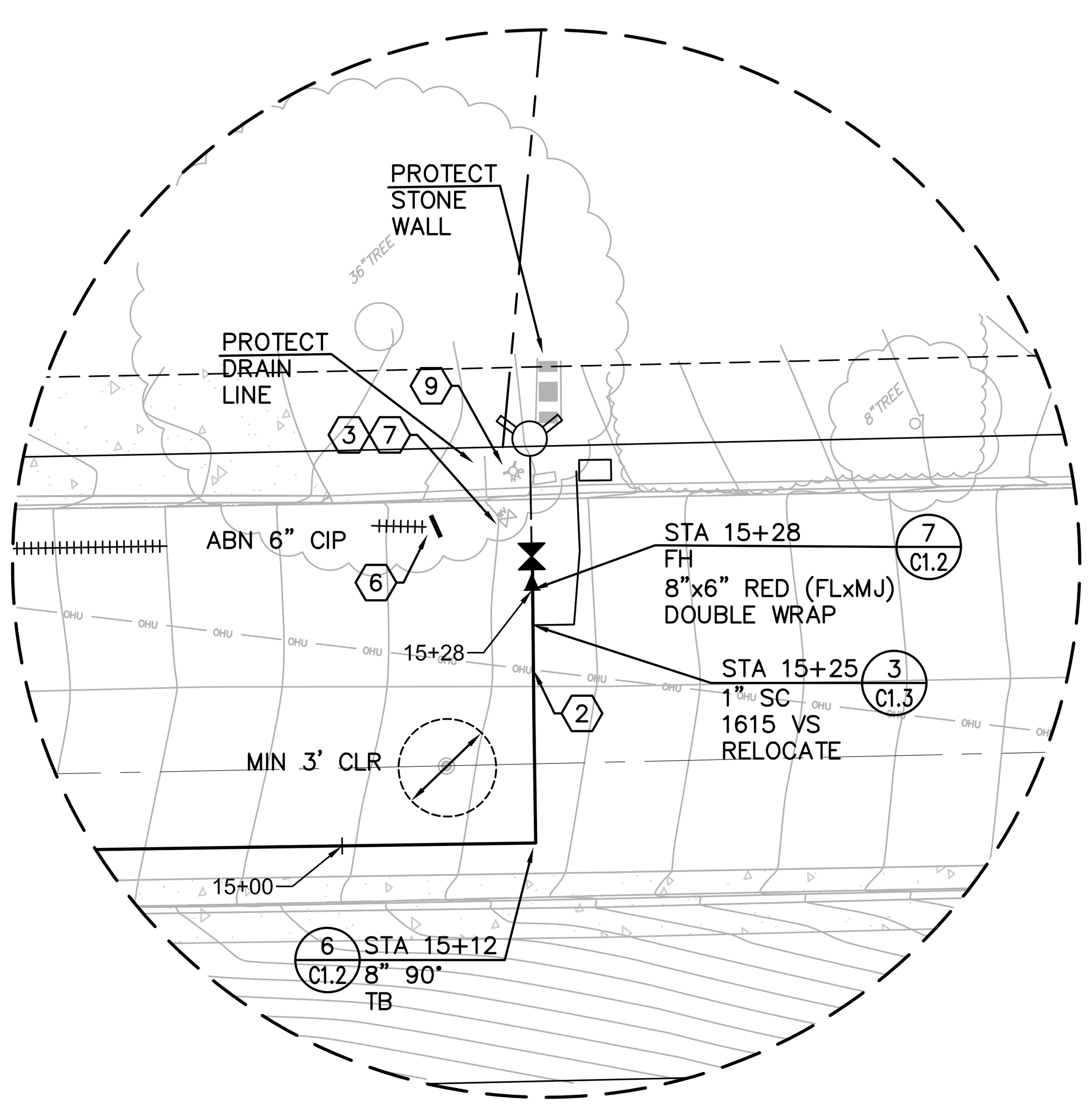
DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

PLAN C3.3



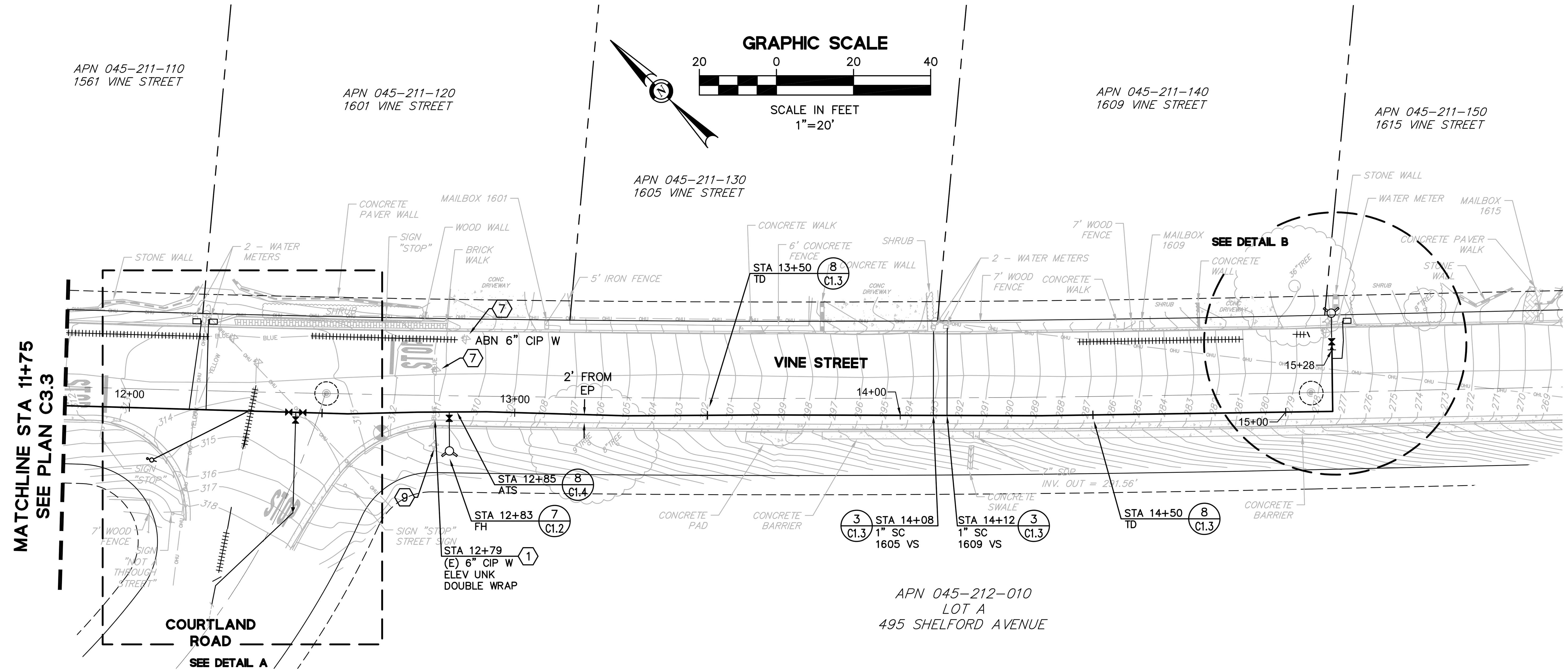
DETAIL A
COURTLAND ROAD CONNECTION

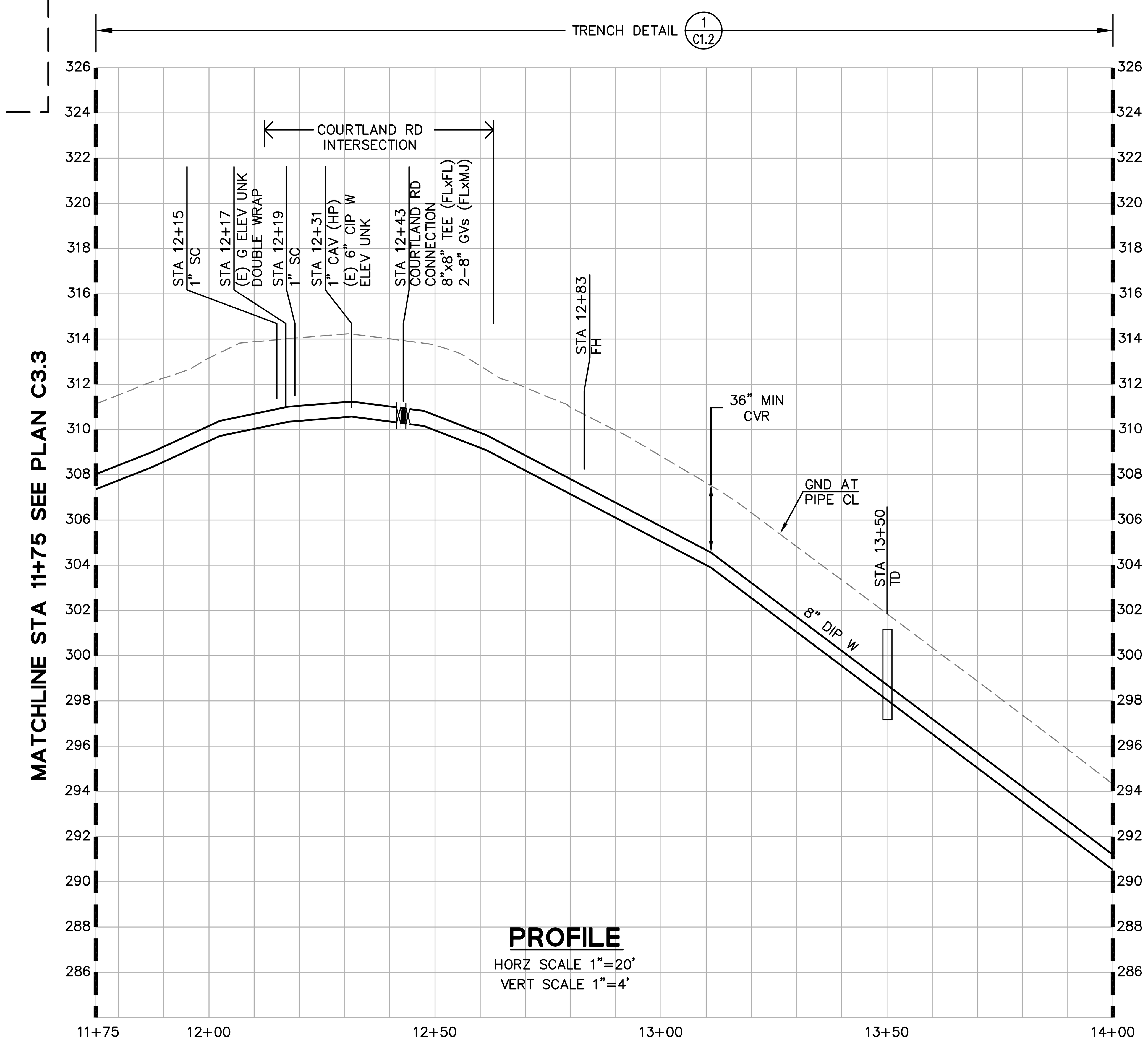
SCALE 1"=10'



DETAIL B
VINE STREET

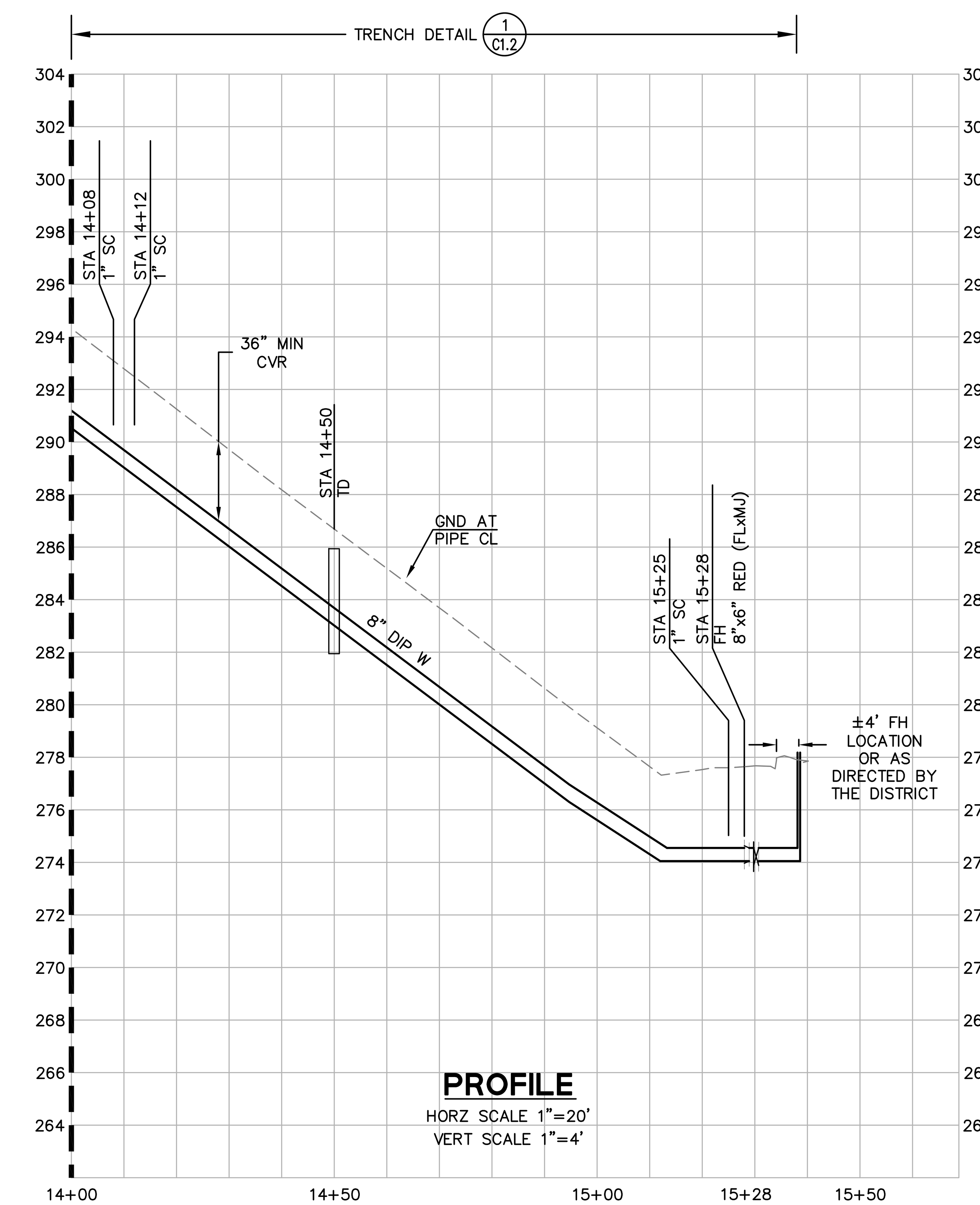
1"=10'





PROFILE

HORZ SCALE 1"=20'
VERT SCALE 1"=4'



PROFILE

HORZ SCALE 1"=20'
VERT SCALE 1"=4'

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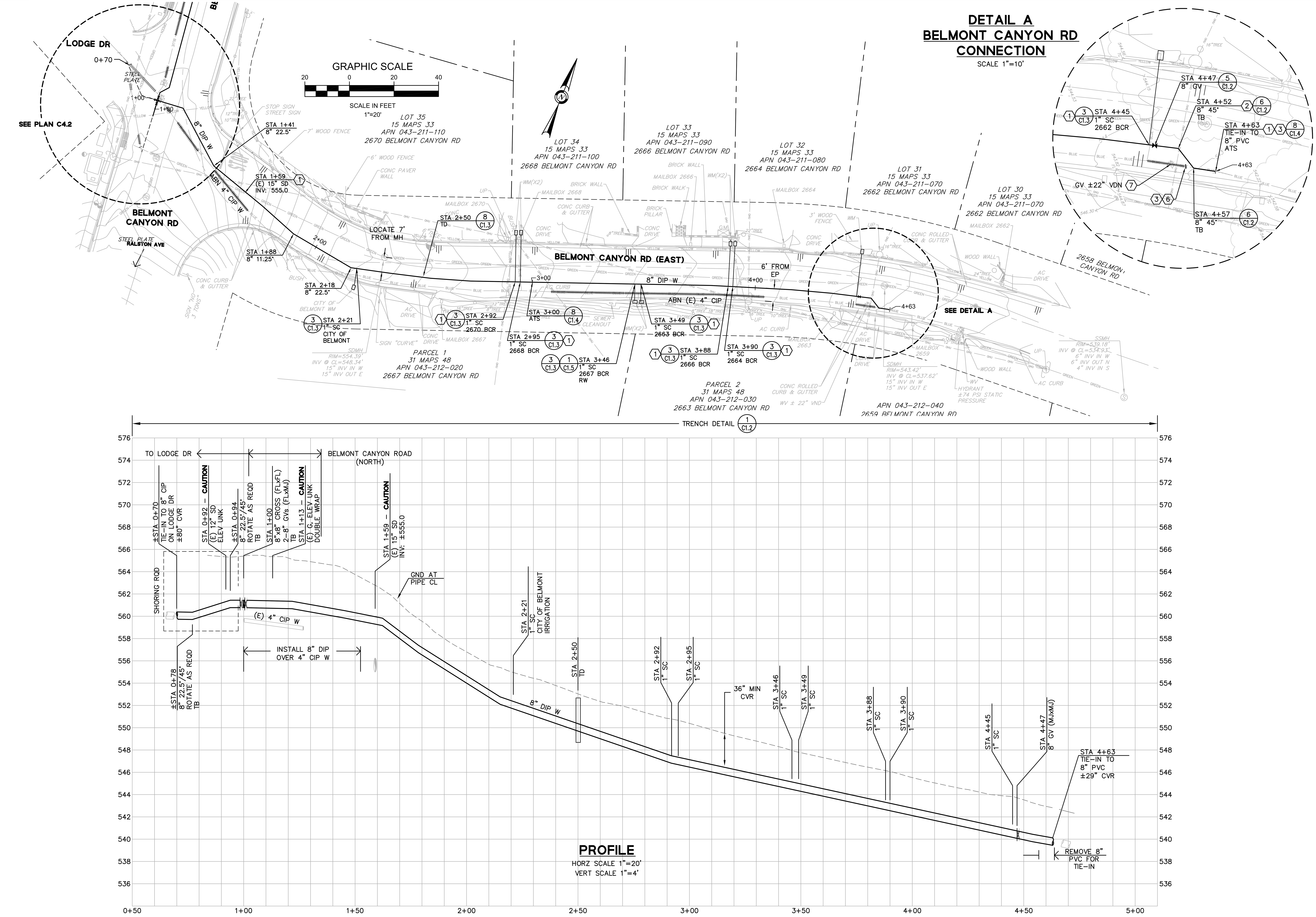
5776 Stoneridge Mall Road, Ste 320
Pleasanton, CA 94588
P: 925.224.7717 F: 925.224.7726
www.pcgengr.com

DRAWN: VICTOR FUNG
DESIGNED: VICTOR FUNG
CHECKED: BRANDON LAURIE
APPROVED: JOUBIN PAKPOUR

MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
VINE ST – PLAN AND PROFILE
STA 11+75 TO STA 15+28

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

PLAN C3.4



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DRAWING NAME: J:\CAD\10012.26\Plot Sheets\Addendum No. 3-Plan Reissue\06-HVBCPPRLMNTCYN.dwg PLOT DATE: 10-18-21 PLOTTED BY: BLaurie

REVISIONS

NO.	DESCRIPTION	DATE	BY	APPD
3	REVISED BY ADDENDUM NO. 3 – COMPLETE PLAN REISSUE	10/18/21	BL	JP

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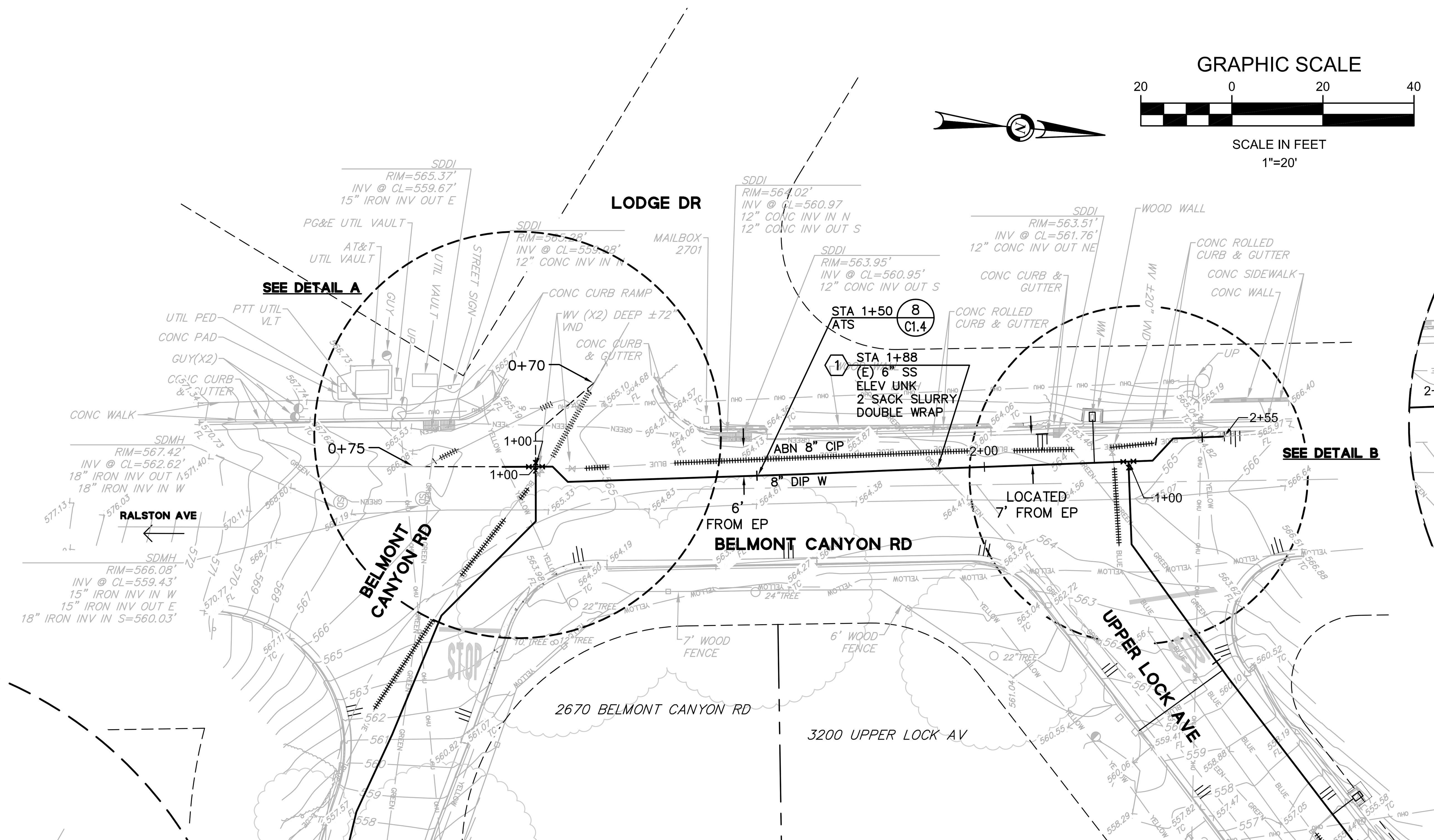
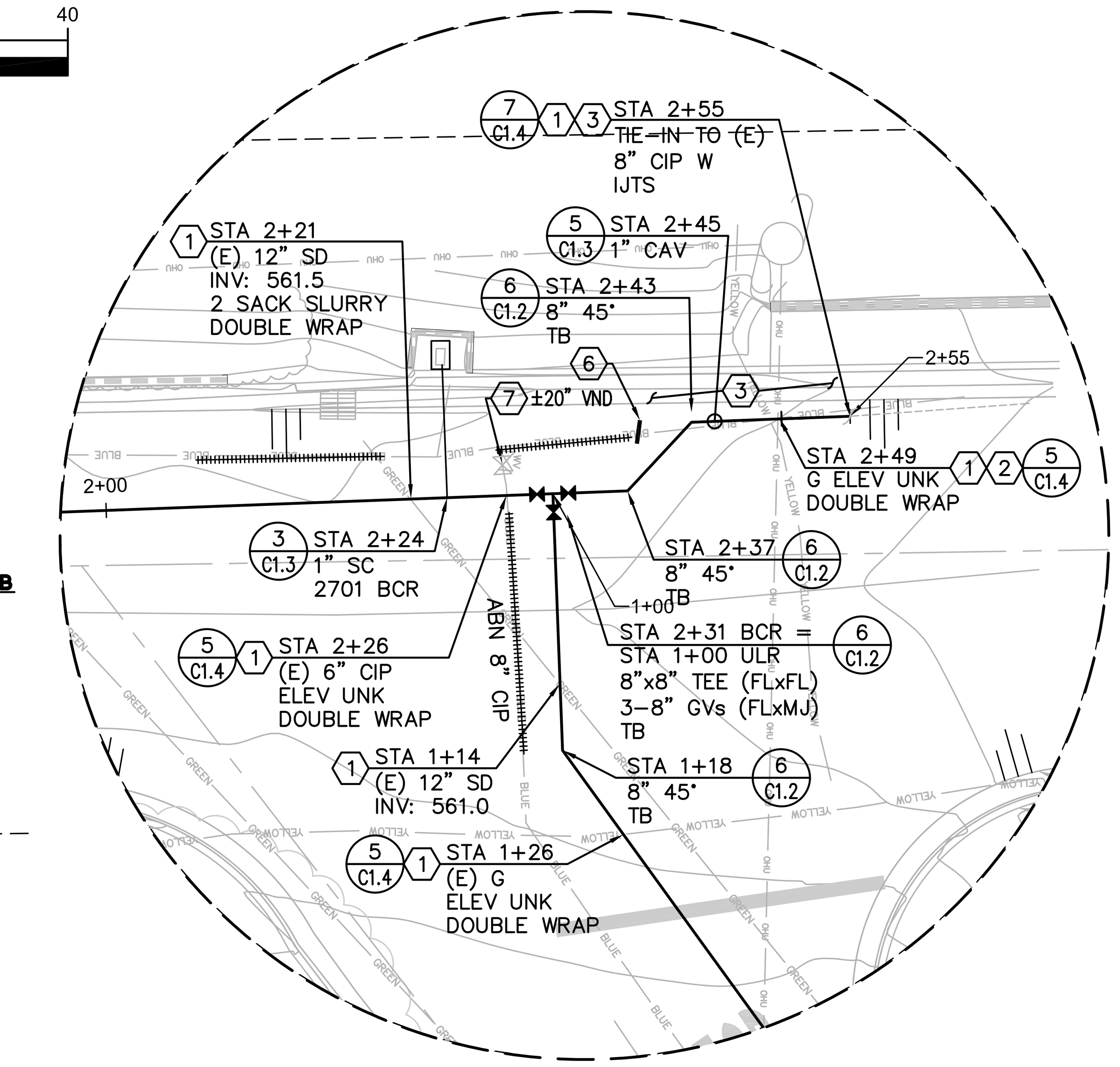
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
BELMONT CANYON RD (EAST) – PLAN AND PROFILE
STA 0+70 TO STA 4+63

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

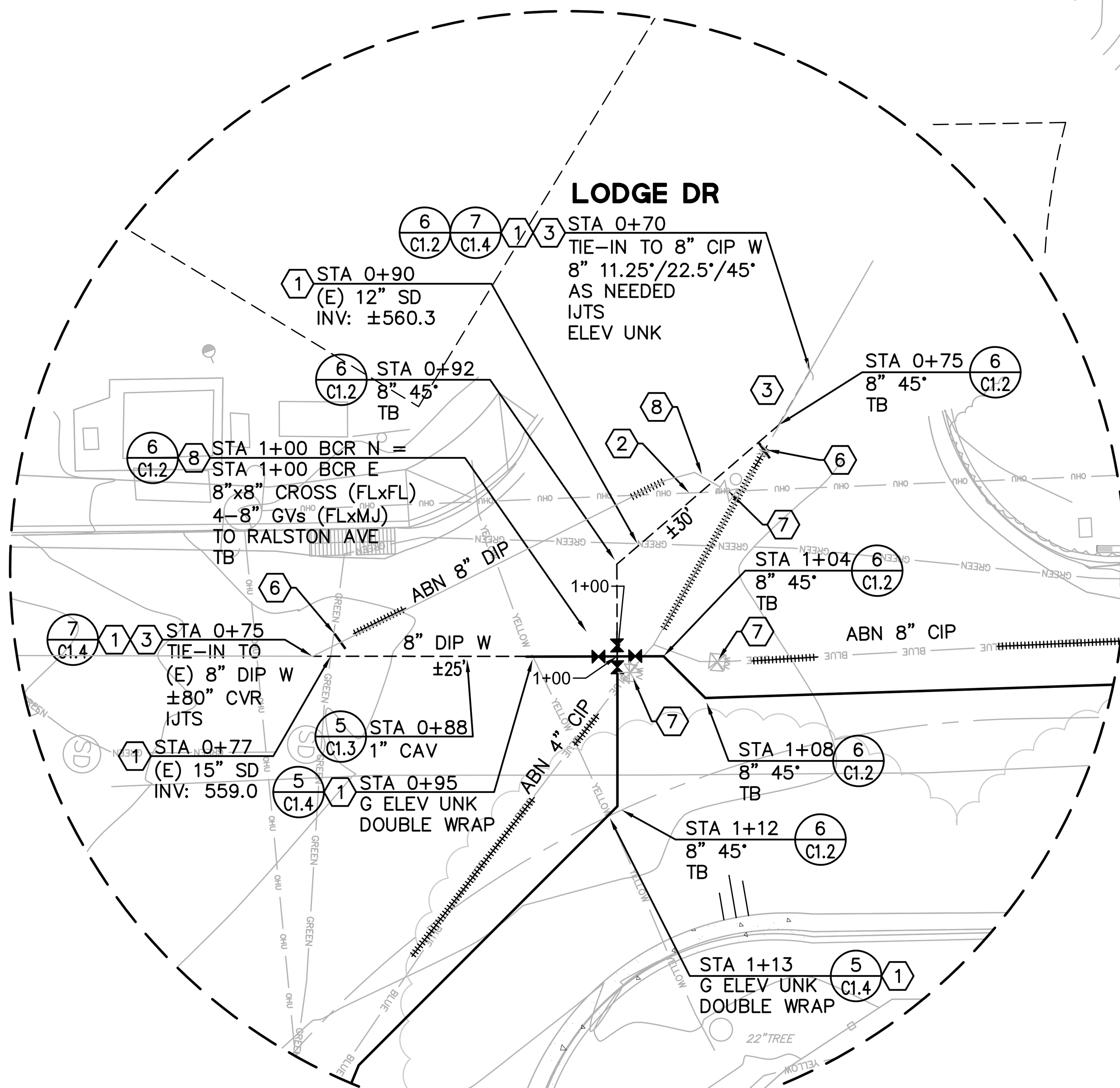
PLAN C4.1
SHEET 13 OF 19





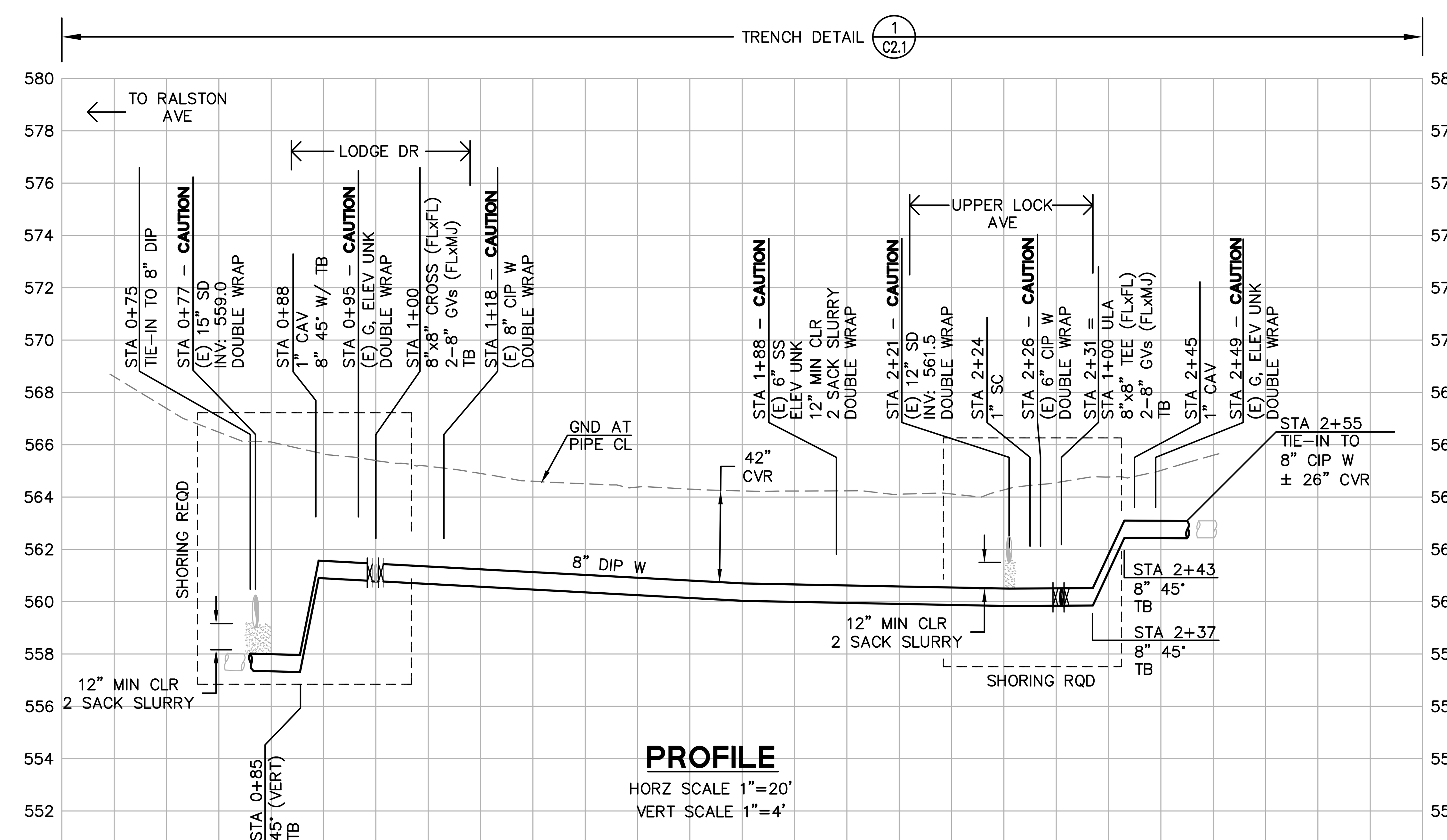
DETAIL B
BELMONT CANYON RD NORTH CONNECTION

SCALE 1"=10'



DETAIL A
BELMONT CANYON RD AND LODGE DR CONNECTION

SCALE 1"=10'



PROFILE

HORZ SCALE 1"=20'
VERT SCALE 1"=4'

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0 1 2 3

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PLOT DATE: 10-18-21 PLOTTED BY: BLaurie

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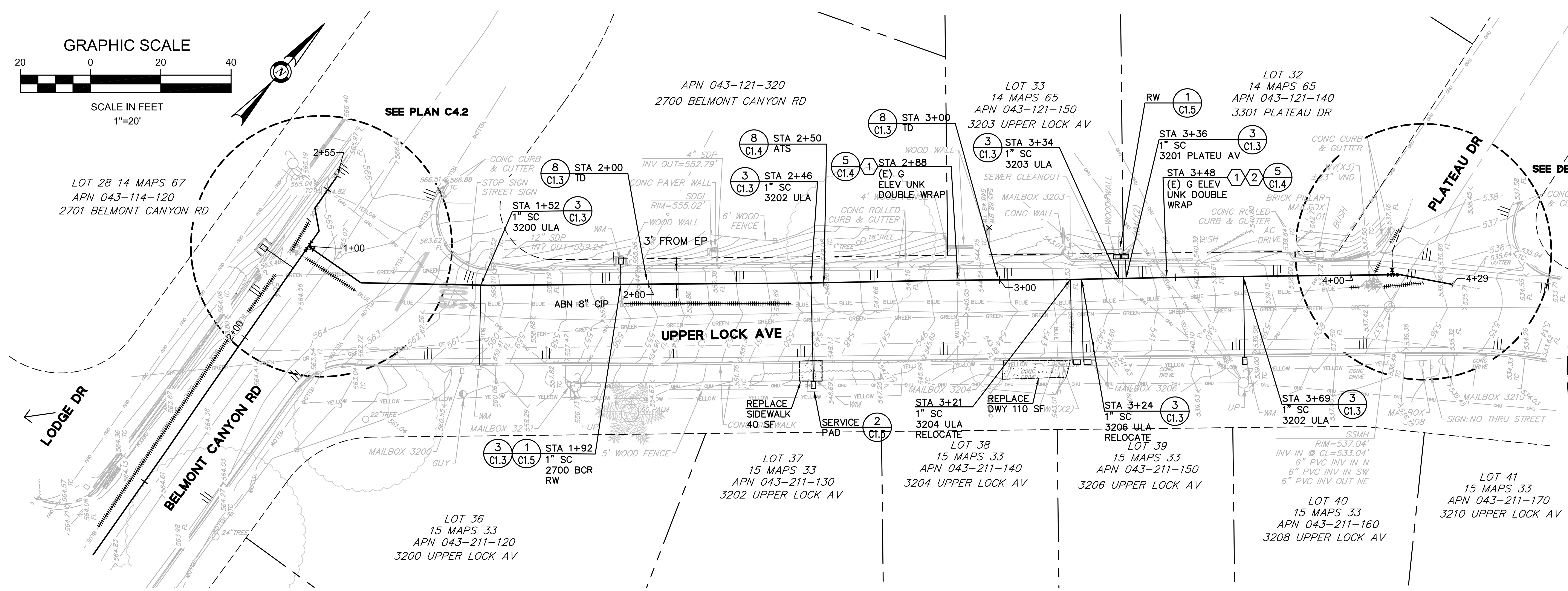
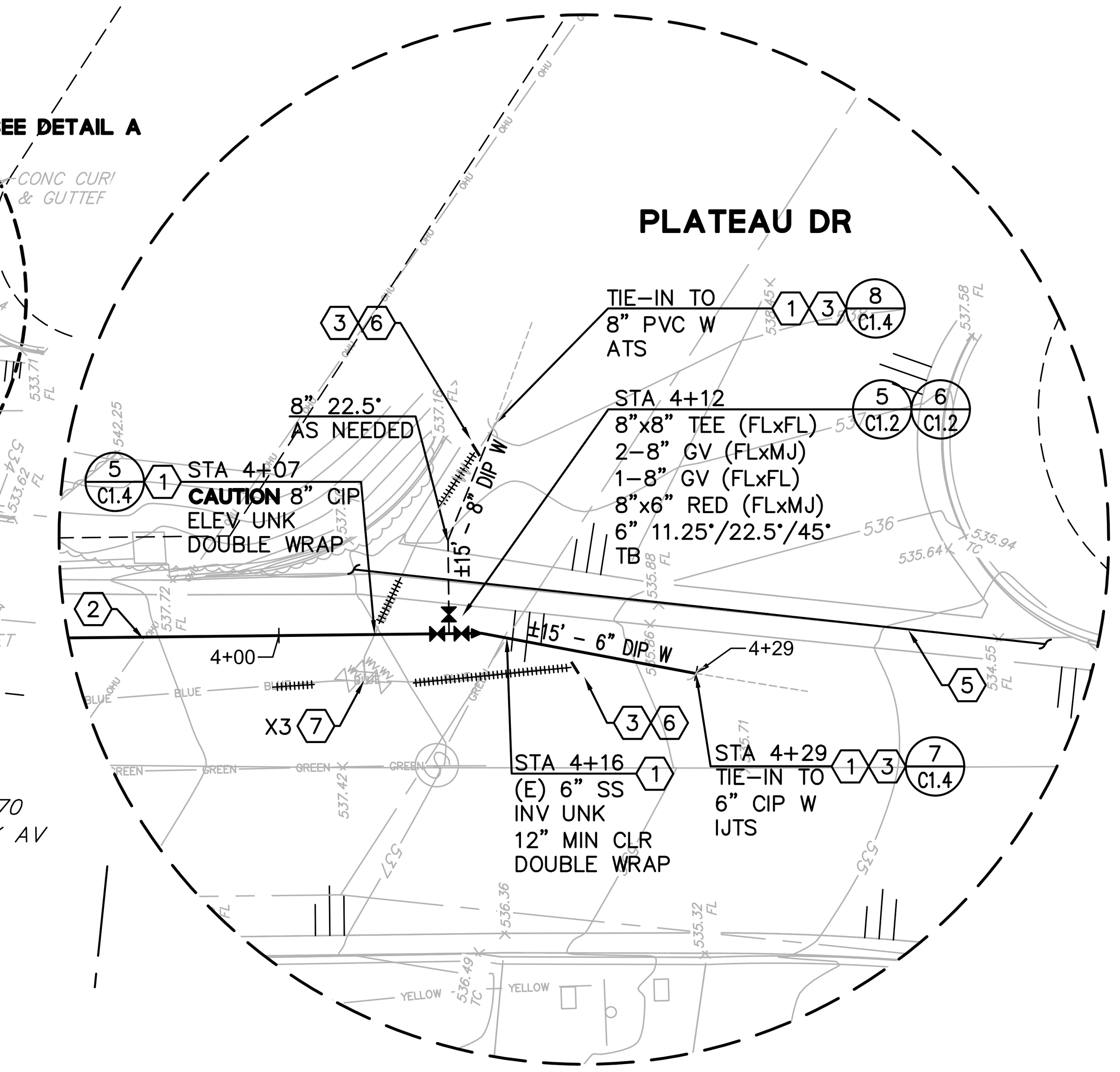
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
BELMONT CANYON RD – PLAN AND PROFILE
STA 0+75 TO STA 2+55

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

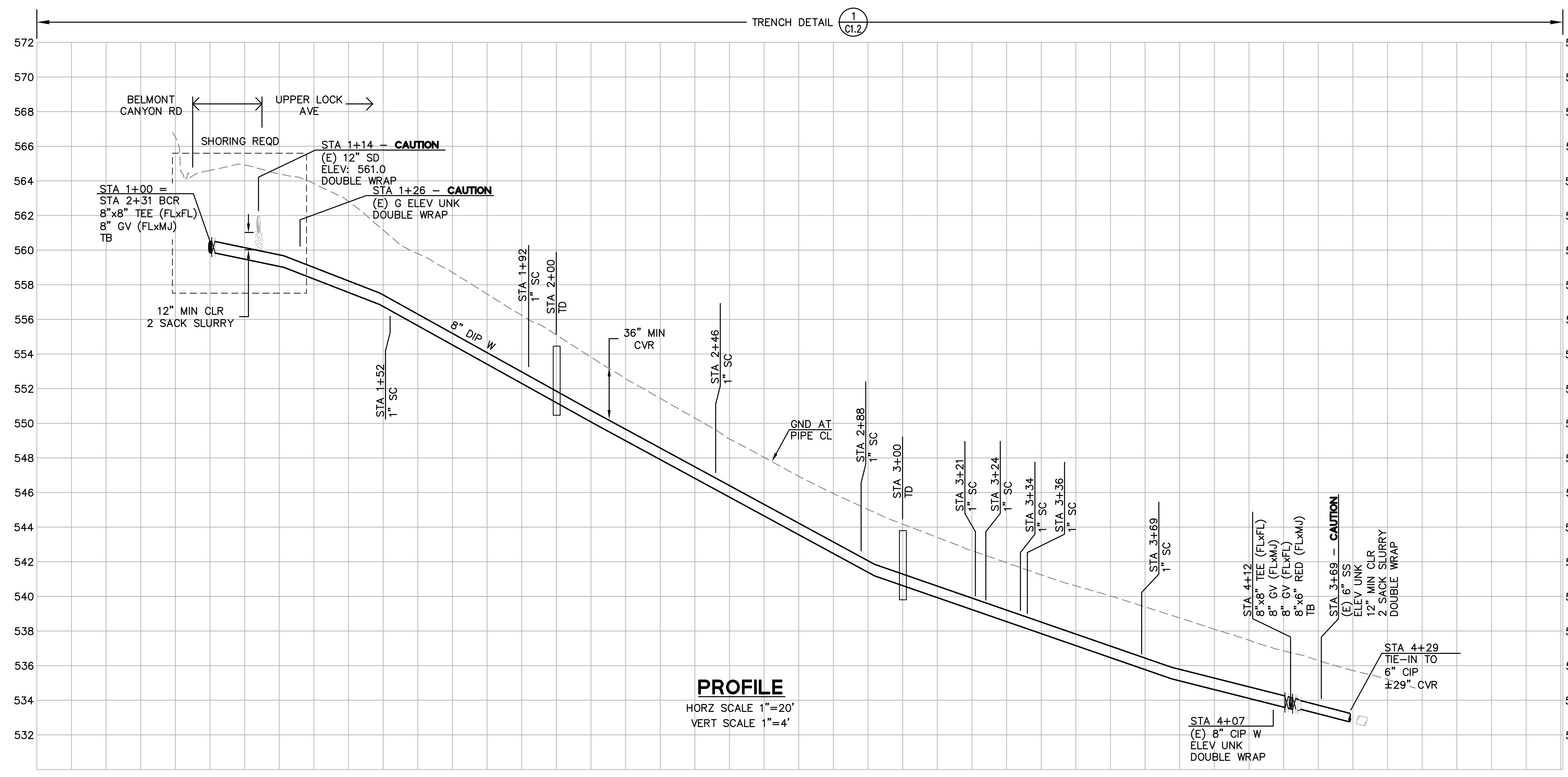
PLAN C4.2





DETAIL A
PLATEAU DR CONNECTION

SCALE 1"=10'



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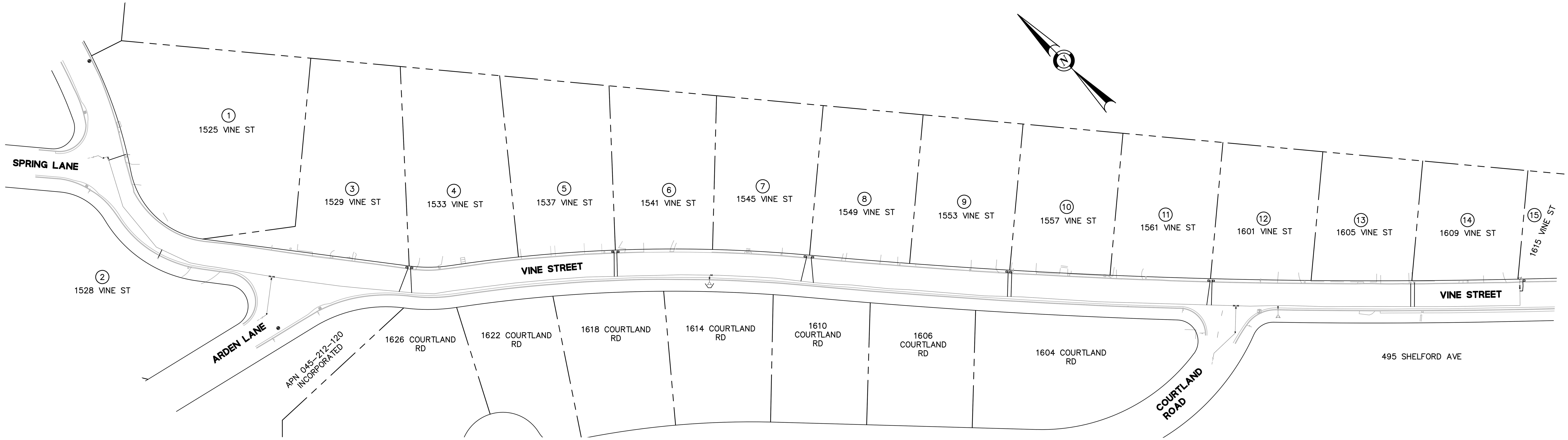
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
UPPER LOCK AVE - PLAN AND PROFILE
STA 1+00 TO STA 4+29

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26



VINE STREET WATER SERVICE SCHEDULE

	STREET NAME	ADDRESS	SRV SIZE	METER SIZE	NOTES – SEE APPENDIX IN THE SPECIFICATIONS FOR ADDITIONAL INFORMATION
1	VINE STREET	1525	1"	1"	REUSE AND RESET THE (E) BOX; SET BOX CLOSER TO CURB
2	VINE STREET	1528	1"	5/8"	TRIM JUNIPERS AWAY FROM THE BOX; SET BOX CLOSER TO CURB
3	VINE STREET	1529	1"	5/8"	SET BOX PARALLEL TO THE CURB; ALIGN WITH THE ADJACENT SERVICE
4	VINE STREET	1533	1"	5/8"	SET BOX PARALLEL TO THE CURB; ALIGN WITH THE ADJACENT SERVICE
5	VINE STREET	1537	1"	5/8"	SET BOX PARALLEL TO THE CURB; ALIGN WITH THE ADJACENT SERVICE
6	VINE STREET	1541	1"	1"	SET BOX PARALLEL TO THE CURB; ALIGN WITH THE ADJACENT SERVICE
7	VINE STREET	1545	1"	5/8"	REMOVE AND REPLACE THE PEBBLE CONCRETE AROUND THE BOX; SET BOX PARALLEL TO THE CURB; ALIGN WITH THE ADJACENT SERVICE
8	VINE STREET	1549	1"	5/8"	SET BOX PARALLEL TO THE CURB; ALIGN WITH ADJACENT SERVICE
9	VINE STREET	1553	1"	5/8"	SET BOX PARALLEL TO THE CURB; ALIGN WITH ADJACENT SERVICE
10	VINE STREET	1557	1"	1"	SAW-CUT CONCRETE DWY TO REMOVE BOX; SET BOX PARALLEL TO THE CURB; ALIGN WITH ADJACENT SERVICE; REPLACE CONCRETE
11	VINE STREET	1561	1"	5/8"	SET BOX PARALLEL TO THE CURB; ALIGN WITH ADJACENT SERVICE
12	VINE STREET	1601	1"	5/8"	SET BOX PARALLEL TO THE CURB; ALIGN WITH ADJACENT SERVICE
13	VINE STREET	1605	1"	5/8"	SET BOX PARALLEL TO THE CURB; ALIGN WITH ADJACENT SERVICE
14	VINE STREET	1609	1"	5/8"	SET BOX PARALLEL TO THE CURB; ALIGN WITH ADJACENT SERVICE
15	VINE STREET	1615	1"	5/8"	RELOCATE SERVICE WEST OF THE NEW HYDRANT; SET BOX PARALLEL TO THE CURB

TOTAL SERVICES – 15

FOR REDUCED ENGLISH PLANS ORIGINAL SCALE IS IN INCHES

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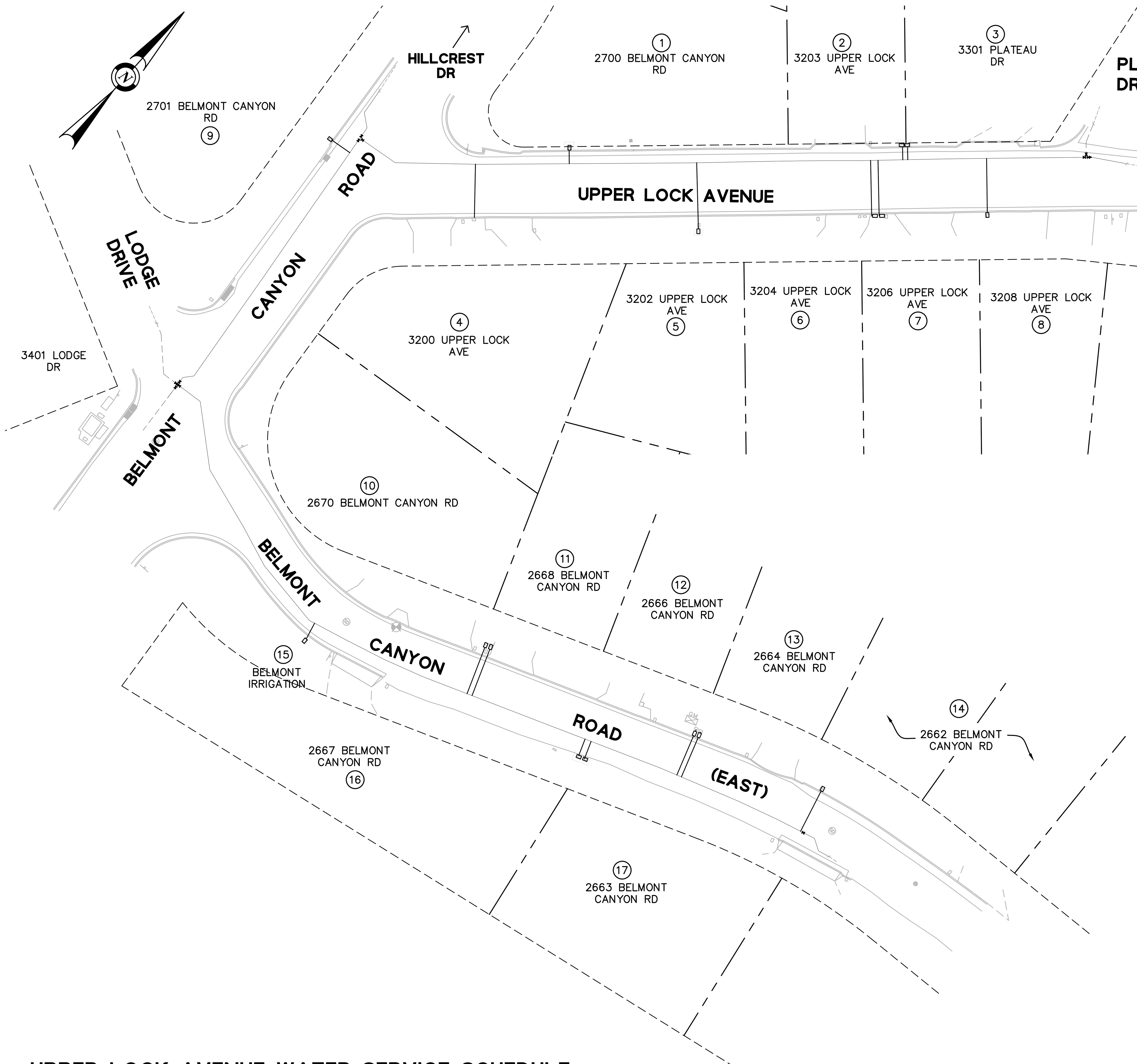
MID-PENINSULA WATER DISTRICT

HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS

VINE ST WATER SERVICE SCHEDULE

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

PLAN C5.1
SHEET 16 OF 19



BELMONT CANYON ROAD WATER SERVICE SCHEDULE

East Services

	STREET NAME	ADDRESS	SRV SIZE	METER SIZE	CONNECTION NOTES
9	BCR	2701	1"	5/8"	SET BOX PERPENDICULAR TO THE CURB; PAINT (TREAT) THE (E) RETAINING WALL

North Services

	STREET NAME	ADDRESS	SRV SIZE	METER SIZE	CONNECTION NOTES
10	BCR	2670	1"	5/8"	REMOVE AND SALVAGE THE SLATE ROCK BORDER TO REMOVE BOX; SET BOXES; RESET SLATE
11	BCR	2668	1"	5/8"	ROCK; HAND DIG AROUND THE (E) GAS SERVICE LINES
12	BCR	2666	1"	5/8"	REMOVE WOOD HEADER; SET BOX PERPENDICULAR AND CLOSER TO THE CURB; RESET WOOD
13	BCR	2664	1"	5/8"	HEADER
14	BCR	2662	1"	5/8"	METER BOX NEXT TO ORNAMENTAL ROCK. SET BOX PERPENDICULAR TO THE CURB.

South Services

	STREET NAME	ADDRESS	SRV SIZE	METER SIZE	CONNECTION NOTES
15	BCR	CITY IRRG	1"	5/8"	SET BOX PERPENDICULAR TO THE CURB
16	BCR	2667	1"	5/8"	SET BOXES PARALLEL TO THE CURB;
17	BCR	2663	1"	5/8"	INSTALL WOOD RETAINING WALL FOR SERVICES

TOTAL SERVICES – 17

UPPER LOCK AVENUE WATER SERVICE SCHEDULE

North Services

	STREET NAME	ADDRESS	SRV SIZE	METER SIZE	CONNECTION NOTES
1	BCR	2700	1"	5/8"	SET BOX PERPENDICULAR TO THE CURB; REPLACE RETAINING WALL
2	ULA	3203	1"	5/8"	SET BOXES PERPENDICULAR TO THE CURB; REPLACE THE RETAINING WALL FOR THE TWO
3	PLATEAU DR	3301	1"	5/8"	SERVICES

South Services

	STREET NAME	ADDRESS	SRV SIZE	METER SIZE	CONNECTION NOTES
4	ULA	3200	1"	5/8"	SET BOX PERPENDICULAR TO THE CURB
5	ULA	3202	1"	5/8"	SAW-CUT CONC SIDEWALK TO REMOVE BOX; SET BOX BEHIND SIDEWALK; REPLACE CONC PANEL
6	ULA	3204	1"	5/8"	SAW-CUT CONC DRIVEWAY APPROACH TO REMOVE BOXES; RELOCATE BOXES PARALLEL OUTSIDE
7	ULA	3206	1"	5/8"	THE DRIVEWAY; REPLACE THE CONCRETE DRIVEWAY APPROACH
8	ULA	3208	1"	5/8"	SET BOX PERPENDICULAR TO THE CURB

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5776 Stoneridge Mall Road, Ste 320
Pleasanton, CA 94588
P: 925.224.7717 F: 925.224.7726
www.pcgengr.com

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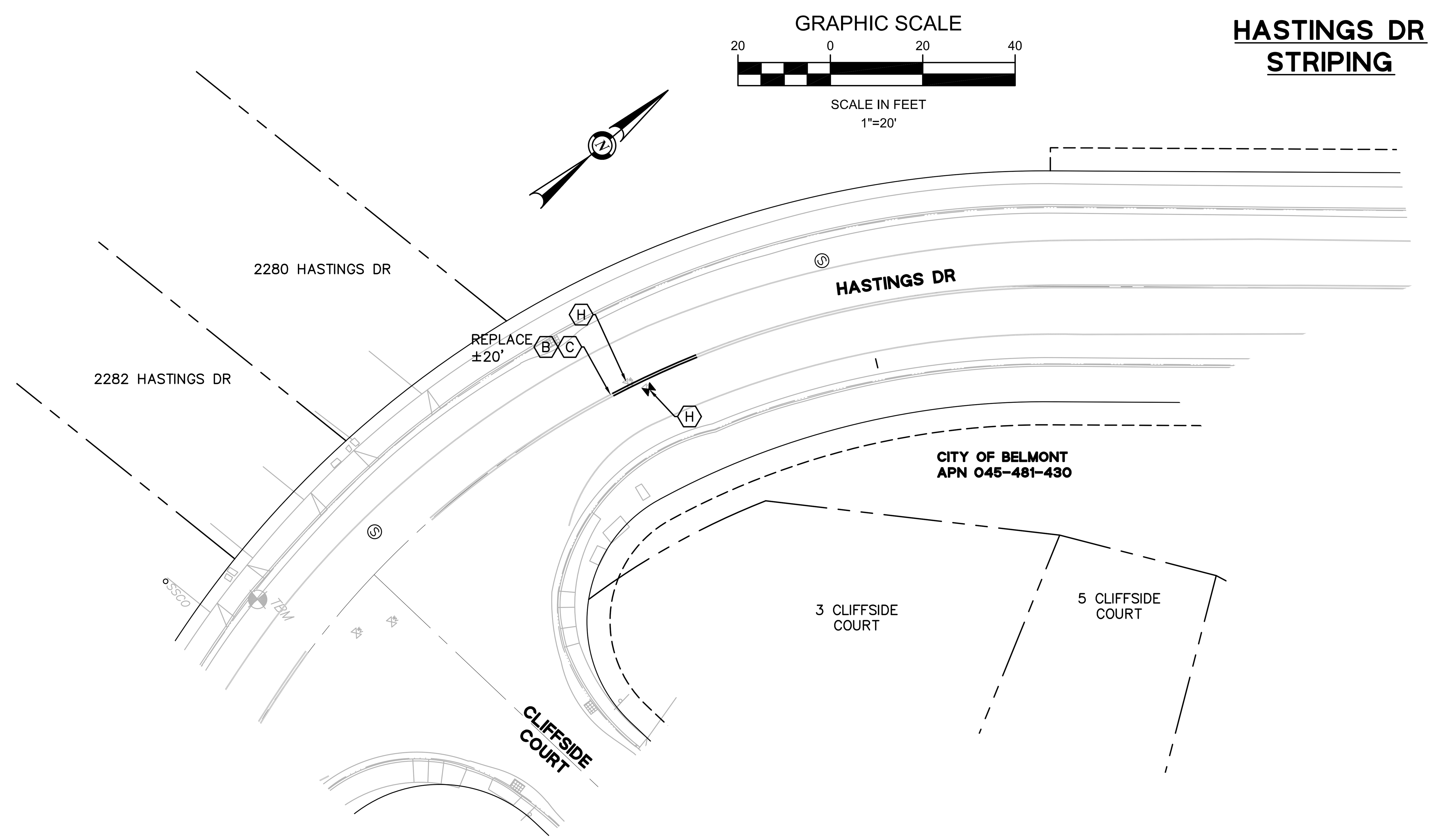
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS

BELMONT CANYON RD WATER SERVICE SCHEDULE

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26

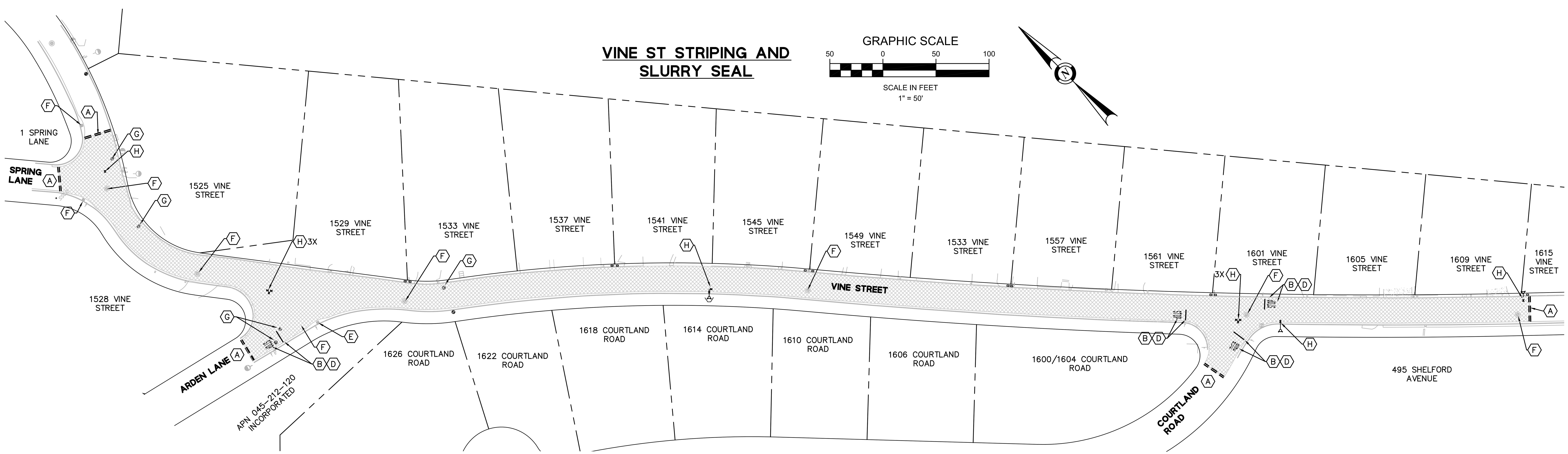
PLAN C5.2
SHEET 17 OF 19



CONSTRUCTION LEGEND

- (A) SLURRY SEAL LIMITS.
- (B) GRIND ROADWAY MARKINGS AND INSTALL TEMPORARY ROADWAY PAVEMENT MARKERS AS REQUIRED.
- (C) THERMOPLASTIC CENTER STRIPING – CSD A20A – DETAIL 22 –DOUBLE YELLOW WITH TYPE D TWO-WAY YELLOW RETROREFLECTIVE
- (D) INSTALL NEW THERMOPLASTIC STOP MARKING AND BAR
- (E) PROTECT INLETS STRUCTURE FROM THE SLURRY SEAL
- (F) PROTECT MONUMENTS
- (G) PROTECT MANHOLE STRUCTURES
- (H) PROTECT VALVE(S)
- TYPE II SLURRY SEAL

VINE STREET – ± 41,000 SF



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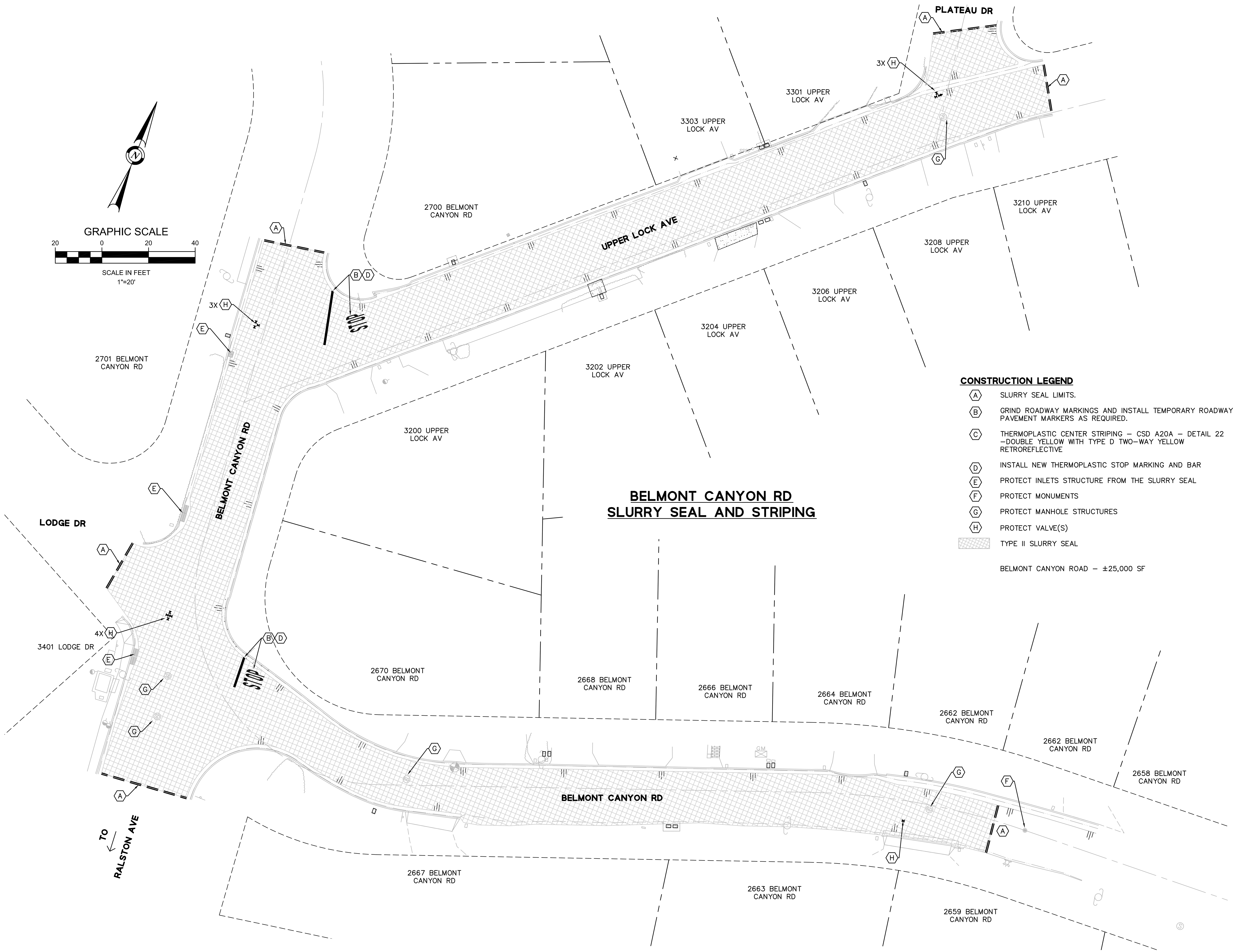
MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
HASTINGS DR AND VINE ST STRIPING AND SLURRY SEAL PLAN

DATE 09/03/21
SCALE AS NOTED
PCG JOB NO. 10012.26
PLAN C6.1
SHEET 18 OF 19



BELMONT CANYON RD SLURRY SEAL AND STRIPING

CONSTRUCTION LEGEND

- (A) SLURRY SEAL LIMITS.
- (B) GRIND ROADWAY MARKINGS AND INSTALL TEMPORARY ROADWAY PAVEMENT MARKERS AS REQUIRED.
- (C) THERMOPLASTIC CENTER STRIPING – CSD A20A – DETAIL 22 –DOUBLE YELLOW WITH TYPE D TWO-WAY YELLOW RETROREFLECTIVE
- (D) INSTALL NEW THERMOPLASTIC STOP MARKING AND BAR
- (E) PROTECT INLETS STRUCTURE FROM THE SLURRY SEAL
- (F) PROTECT MONUMENTS
- (G) PROTECT MANHOLE STRUCTURES
- (H) PROTECT VALVE(S)
- TYPE II SLURRY SEAL

BELMONT CANYON ROAD – ±25,000 SF

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MID-PENINSULA WATER DISTRICT
HASTINGS DR, VINE ST, AND BELMONT CANYON RD WATER MAIN IMPROVEMENTS
BELMONT CANYON RD
STRIPING AND SLURRY SEAL PLAN

DATE 09/03/21 | SCALE AS NOTED

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