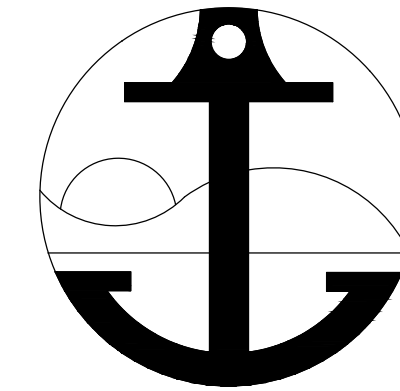


CITY OF PITTSBURG

HOLLAND BARRETT WHITE MAYOR
 SHANELLE SCALES-PRESTON VICE MAYOR
 JUAN ANTONIO BANALES COUNCIL MEMBER
 JELANI KILLINGS COUNCIL MEMBER
 MERL CRAFT COUNCIL MEMBER
 GARRETT EVANS CITY MANAGER
 ALICE E. EVENSON CITY CLERK
 JORDAN DAVIS DIRECTOR OF COMMUNITY AND ECONOMIC DEVELOPMENT
 RICHARD ABONO PUBLIC WORKS DIRECTOR / CITY ENGINEER



CITY OF PITTSBURG

ENGINEERING DEPARTMENT

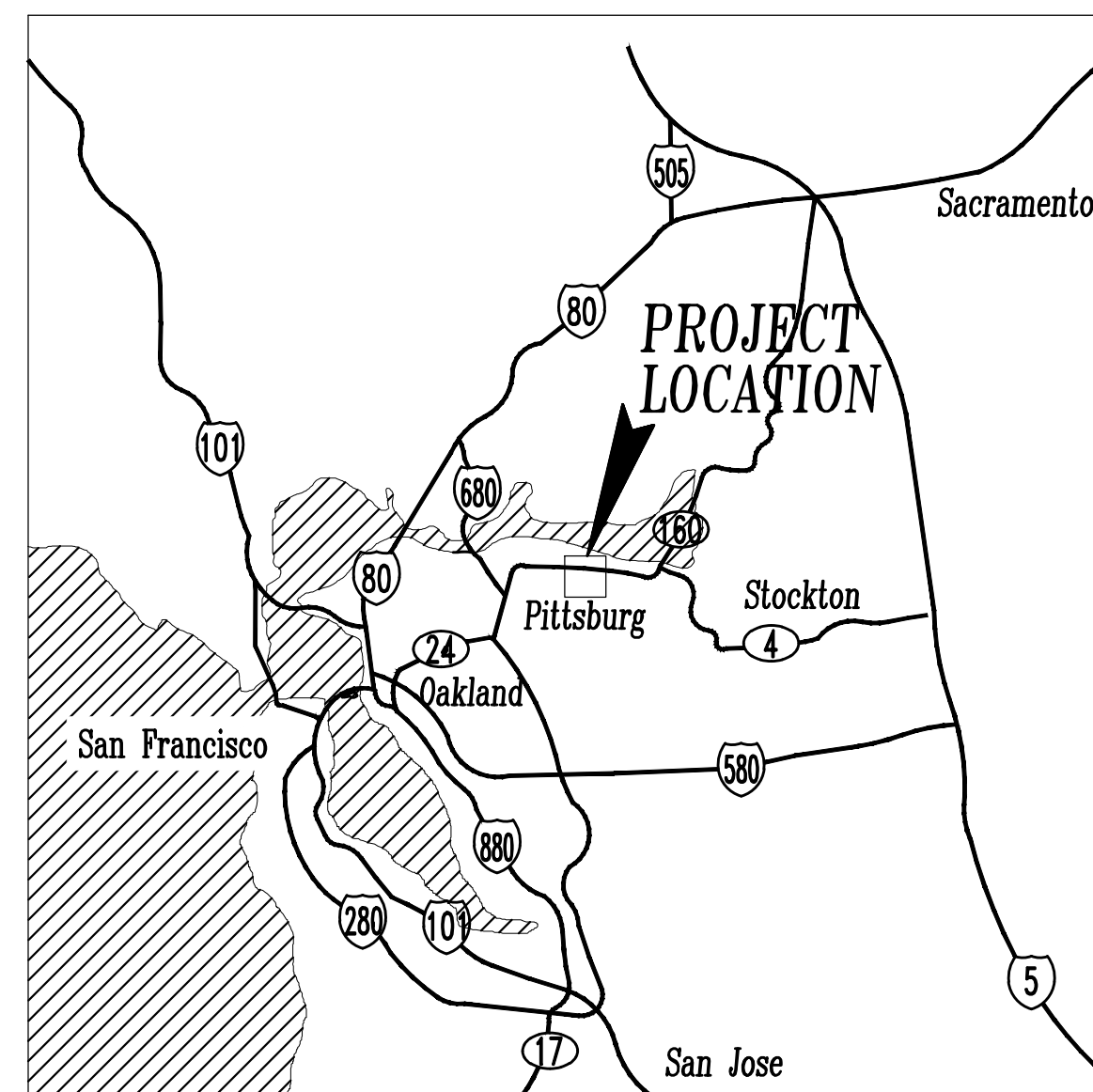
PROJECT PLANS FOR CONTRACT NO. 2021-45 BODEGA DRIVE WATER SYSTEM LOOP PROJECT JUNE 2022

Xref Filename: | XR-Hse-Border_Pittsburg | Path: K:\Common\Projects\341-City of Pittsburg\003 - Bodega Ct Water Line\04-Design\Drawings\01-Genl Filename: COVER Plot date: Jun 21, 2022-01:57:56pm CAD User: mfernandez.

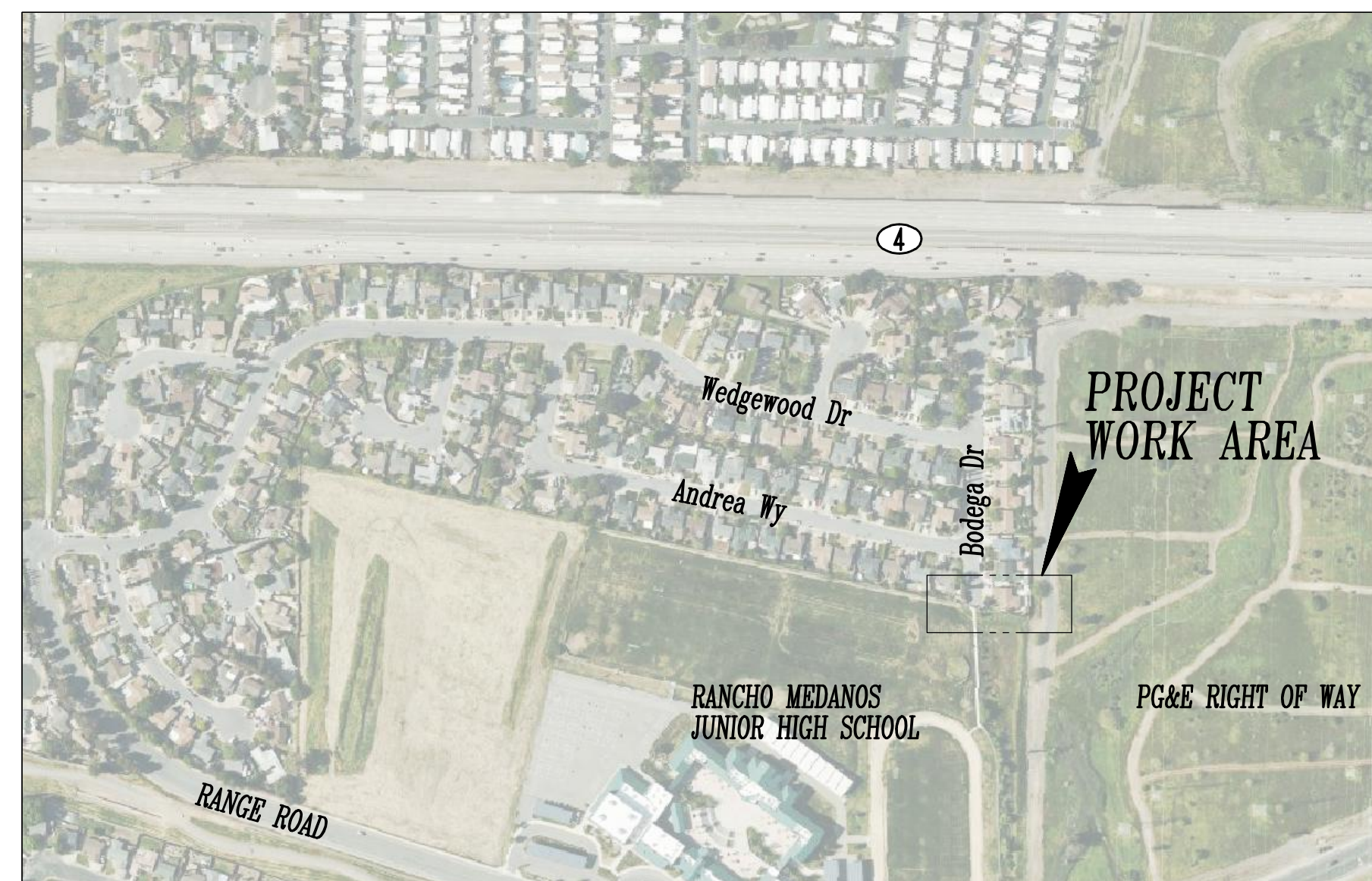
CAUTION
 OVERHEAD ELECTRICAL
 FACILITIES EXIST WITHIN
 PROJECT AREA

BEFORE EXCAVATING
 CALL U.S.A
 UNDERGROUND SERVICE ALERT
 (800) 227-2600 OR 811
 2 WORKING DAYS BEFORE ANY
 PLANNED EXCAVATION

ATTENTION IS DIRECTED TO THE PROVISIONS OF CHAPTER 9 OF DIVISION 3 OF THE BUSINESS AND PROFESSIONS CODE CONCERNING THE LICENSING OF CONTRACTORS. THE PRIME CONTRACTOR SHALL POSSESS A CALIFORNIA CLASS A OR CLASS C-34 LICENSE AT THE TIME THIS CONTRACT IS AWARDED.



LOCATION MAP
 NTS



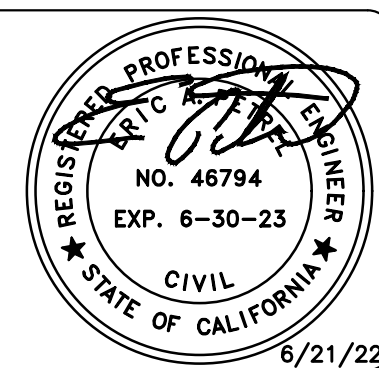
VICINITY MAP
 NTS

SHEET INDEX

SHT. NO.	DWG. NO.	DRAWING TITLE
1	COVER	COVER SHEET AND SHEET INDEX
2	G-1	SYMBOLS, ABBREVIATIONS. GENERAL NOTES
3	C-1	IMPROVEMENT PLAN
4	C-2	PARTIAL PLANS
5	D-1	CITY STANDARD DETAILS
6	D-2	CIVIL DETAILS

LINE IS 2 INCHES
 AT FULL SIZE

HydroScience
 741 ALLSTON WAY
 BERKELEY, CA 94710
 (510) 540-7100



NO.	DATE	APPROV.	REVISION

DESIGNED: E.PETREL
 DRAWN: M.FERNANDEZ
 CHECKED: E.PETREL
 REVIEWED: C.LAM
 DATE: JUNE 21, 2022

ACCEPTED BY:
 RICHARD ABONO
 City Engineer
 Date: _____

CITY OF PITTSBURG CONTRACT NO. 2021-45

COVER SHEET
 AND SHEET INDEX



COVER
 SHEET No.
 1 OF 6

NEW FACILITIES

— NEW WATER MAIN	⊥ TEE
⊥ 90° ELBOW	⊗ GATE VALVE
⊘ 45° ELBOW	⊘ CONCENTRIC REDUCER
⊘ 22.5° ELBOW	⊘ BLOW OFF
⊘ FIRE HYDRANT	⊘ WM WATER METER

EXISTING FACILITIES

— 8"SS —	SANITARY SEWER AND EXISTING LATERAL SERVICE CONNECTION, WHERE KNOWN
— 6"W —	WATER MAIN
— 2"G —	GAS MAIN
— T —	BURIED TELEPHONE CABLE
— 12"SD —	STORM DRAIN
— E —	BURIED ELECTRICAL CABLE OTHER BURIED UTILITY (AS LABELED)
— 10" FUEL/OIL —	
— CC —	COMMUNICATIONS

SYMBOLS

○ RI	RODDING INLET	⚡	FLIGHT PANEL
○ CO	CLEANOUT	1375	STREET NUMBERS
—+—+—+—	RAILROAD	---	PROPERTY LINE/ RIGHT-OF-WAY
—x—x—x—	FENCE	- - -	EASEMENT
⊙	STREET LIGHT	○	UTILITY POTHOLE
⊙	POLE	⚡	THRUST BLOCK
⊙	SIGN	○	POST, BOLLARD
△ PT # ELEV	CONTROL POINT	⊙	LIGHTING FIXTURE
⊙	CITY MONUMENT	⊙	RISER
⊙	BUTTERFLY VALVE	⊙	MAILBOX
⊙	WATER VALVE	⊙	WHEELCHAIR RAMP
⊙ WM	WATER METER	⊙	ABANDON OR REMOVE FACILITIES AS INDICATED
⊙ WM	NEW/EXIST WATER METER IN EXIST METER BOX	⊙	CAP OR PLUG FOR EXIST SEWER LATERAL SERVICE OR WATER SERVICE TO BE ABANDONED (HATCH SYMBOLS OMITTED FOR CLARITY)
⊙	FIRE HYDRANT	⊙	
⊙	CATCH BASIN/DRAIN INLET	⊙	
⊙	GAS VALVE	⊙	
⊙	TELEPHONE VAULT	⊙	
⊙	ELECTRICAL VAULT	⊙	
⊙	EXIST TREE	⊙	

GENERAL NOTES

- THE LOCATIONS AND MATERIALS INDICATED FOR UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS WERE TAKEN FROM PLANS AND RECORDS OF THE VARIOUS UTILITIES AND AGENCIES AND ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL UTILITY AGENCIES AND COMPANIES SO THAT THOSE COMPANIES MAY MARK THE LOCATIONS OF THEIR LINES PRIOR TO PIPELINE INSTALLATIONS. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (USA) AT (800) 227-2600 OR 811 AT LEAST 48 HOURS PRIOR TO COMMENCING ANY EXCAVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING UTILITIES AND TO FIELD VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL POT HOLE TO DETERMINE THE EXACT LOCATION OF ALL AFFECTED UTILITIES IN ADVANCE OF HIS WORK. ANY CONDITIONS THAT COULD AFFECT THE PROGRESS OF THE WORK SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. SUCH POT HOLE SHALL BE DONE AT LEAST 200 YARDS AND 2 WEEKS AHEAD OF THE TRENCH EXCAVATION OR IMPACTED WORK.
- IT SHOULD BE NOTED THAT ONLY UTILITY MAINS ARE SHOWN ON THESE DRAWINGS. UTILITY SERVICES (PIPES, CABLES, ETC. FROM MAIN FACILITIES TO BUILDINGS OR OTHER FACILITIES) SHALL BE LOCATED AND PROTECTED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DEPTH TO THE UTILITY SERVICES IS UNKNOWN.
- DIMENSIONS FOR ALL STRUCTURES, PIPING, PAVING, AND OTHER ITEMS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS NOT DESIGNATED FOR DEMOLITION OR REMOVAL AND REPLACEMENT. ALL EXISTING IMPROVEMENTS DAMAGED, REMOVED OR TEMPORARILY RELOCATED, SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN PRIOR TO THE START OF CONSTRUCTION. IMPROVEMENTS DESIGNATED FOR REMOVAL OR DEMOLITION SHALL BE DEMOLISHED AND DISPOSED OF BY THE CONTRACTOR.
- EXISTING UTILITIES IN THE PROJECT AREA MAY BE IN A FRAGILE CONDITION. THE CONTRACTOR SHALL EXERCISE MAXIMUM CAUTION WHEN WORKING NEAR EXISTING UTILITIES.
- PROPERTY, RIGHT-OF-WAY AND EASEMENT LINES SHOWN IN THESE DRAWINGS ARE FROM RECORD INFORMATION AND ARE APPROXIMATE ONLY.
- ALL WATER MAINS AND SERVICES SHALL INCLUDE A 10-GAUGE, INSULATED, SINGLE STRAND, COPPER WIRE TAPED TO THE TOP OF THE PIPE. SEE CITY OF PITTSBURG WATER DETAILS SHEET W-17 "LOCATING WIRE INSTALLATION."
- CONTRACTOR SHALL COORDINATE WATER SERVICE INTERRUPTIONS WITH THE PROPERTY OWNERS IN ADVANCE OF ANY WORK.
- ALL BURIED IRON OR STEEL PIPE, FITTINGS, AND VALVES SHALL BE PROVIDED WITH POLYETHYLENE ENCASEMENT. SEE SPECIFICATIONS SECTION 02770.
- A CONTINUOUS WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL WATER MAINS. WARNING TAPE SHALL BE BLUE, 6" WIDE, PLASTIC, AND PRINTED CONTINUOUSLY WITH THE WORDS "CAUTION BURIED WATER LINE BELOW".
- CONTRACTOR SHALL HANDLE AND DISPOSE OF THE ASBESTOS-CEMENT WATERLINE IN CONFORMANCE WITH THE CITY'S "HAZARDOUS WASTE CHARACTERIZATION, HANDLING, AND MANAGEMENT PLAN".
- EXISTING WATER AND SEWER PIPELINES TO BE ABANDONED SHALL BE PLUGGED OR CAPPED AT ENDS. SEE THE SPECIFICATIONS FOR DETAILS.
- ALL WATER PIPELINE FITTINGS, VALVES, HYDRANTS, AND PIPES SHALL BE PROTECTED FROM MOVEMENT BY JOINT RESTRAINTS. SEE SPECIFICATIONS SECTION 02770. PROVIDE THRUST BLOCKS ONLY WHERE INDICATED IN THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- INSTALL ALL FIRE HYDRANTS WITH BREAKAWAY SPOOLS ABOVE GRADE. LOCATION OF HYDRANT AND VALVE SHALL BE AS DIRECTED BY ENGINEER.
- EXISTING PAVEMENT IN BODEGA DRIVE CONSISTS OF 3" AC OVER 8" AB.

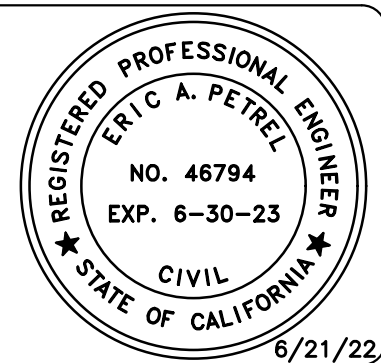
ABBREVIATIONS

AB	AGGREGATE BASE	G	GAS	REQ'D	REQUIRED
ABAND	ABANDON, ABANDONED	GALV	GALVANIZED	REV	REVISION
ABS	ACRYLONITRILE BUTADIENE STYRENE (PIPE)	GM	GAS METER	RI	RODDING INLET
AC	ASPHALT CONCRETE	GRD	GROUND	RT	RIGHT
ACP	ASBESTOS CEMENT PIPE	GV	GAS VALVE	RW	RIGHT OF WAY
APPROX	APPROXIMATE, APPROXIMATELY	H	HORIZONTAL	S	SOUTH
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIAL ASSEMBLY	HP	HIGH PRESSURE	SDMH	STORM DRAIN MANHOLE
ASSY	ASSEMBLY	ID	INSIDE DIAMETER	SE	SOUTHEAST
BFP	BACKFLOW PREVENTER	IN	INCH, INCHES	SIM	SIMILAR
BLDG	BUILDING	INV	INVERT	SL	STREET LIGHT
BM	BENCH MARK OR BEAM	IP	IRON PIPE	SS	SANITARY SEWER
BOT	BOTTOM	IRR	IRRIGATION	SSFM	SANITARY SEWER FORCE MAIN
CAP	CAPACITY	JP	JOINT POLE	SSMH	SANITARY SEWER MANHOLE
CATV	CABLE TELEVISION	JT	JOINT TRENCH	STA	STATION
CAV	COMBINATION AIR VALVE	KSI	THOUSAND POUNDS PER SQUARE INCH	SW	SOUTHWEST
CB	CATCH BASIN	L	LENGTH	T	TELEPHONE
CCCSD	CENTRAL CONTRA COSTA SANITARY DISTRICT	LAT	LATERAL	TC	TOP OF CURB
CCTV	CLOSED CIRCUIT TELEVISION	LT	LEFT	UNK	UNKNOWN
CCWD	CONTRA COSTA WATER DISTRICT	M BOX	METER BOX	UPRR	UNION PACIFIC RAILROAD
CI	CAST IRON	MAX	MAXIMUM	USBR	UNITED STATES BUREAU OF RECLAMATION
CLF	CHAIN LINK FENCE	MGD	MILLION GALLONS PER DAY	U	UTILITY
CMP	CORRUGATED METAL PIPE	MH	MANHOLE	UTIL	UTILITY
CO	CLEANOUT	MIN	MINIMUM	V	VERTICAL
CON	CONDUIT	MISC	MISCELLANEOUS	VCP	VITRIFIED CLAY PIPE
CONC	CONCRETE	MTR	METER	W	WEST, WATER
CONN	CONNECTION	MON	MONUMENT	WM	WATER METER
CONSTR	CONSTRUCT OR CONSTRUCTION	(N)	NEW	WV	WATER VALVE
CONT	CONTINUED OR CONTINUOUS	N	NORTH, NORTHING	W/	WITH
COP	CITY OF PITTSBURG	NE	NORTHEAST		
CP	CONTROL POINT	NIC	NOT IN CONTRACT		
DEG	DEGREES	NO	NUMBER		
DET	DETAIL	NTS	NOT TO SCALE		
DI	DRAIN INLET	NW	NORTHWEST		
DIA	DIAMETER	OC	OVERCROSSING OR ON CENTER		
DIP	DUCTILE IRON PIPE	OD	OUTSIDE DIAMETER		
DWG	DRAWING	OH	OVERHEAD		
(E)	EXISTING	OPNG	OPENING		
EA	EACH	PAVMT	PAVEMENT		
EBRPD	EAST BAY REGIONAL PARK DISTRICT	PED	PEDESTAL		
EL	ELEVATION	PCC	PORTLAND CEMENT CONCRETE		
ELEV	ELEVATION	PG&E	PACIFIC GAS AND ELECTRIC COMPANY		
EM	ELECTRICAL METER	PH	POTHOLE		
ETS	ELECTROLYSIS TEST STATION	PL	PLATE, PROPERTY LINE OR PLACE		
EXIST	EXISTING	PP	POWER POLE		
FC	FACE OF CURB	PSI	POUNDS PER SQUARE INCH		
FG	FINISHED GRADE	PT	POINT		
FH	FIRE HYDRANT	PVC	POLYVINYL CHLORIDE (PIPE)		
FIG	FIGURE	R	RADIUS		
FM	FORCE MAIN	RCP	REINFORCED CONCRETE PIPE		
FL	FLOW LINE	REF	REFER TO, REFERENCE		
FT	FOOT, FEET				
FUT	FUTURE				

LINE IS 2 INCHES AT FULL SIZE

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HydroScience 741 ALLSTON WAY
BERKELEY, CA 94710
(510) 540-7100



6/21/22

NO.	DATE	APPROV.	REVISION

DESIGNED: E.PETREL	ACCEPTED BY:
DRAWN: M.FERNANDEZ	
CHECKED: E.PETREL	
REVIEWED: C.LAM	RICHARD ABONO City Engineer
DATE: JUNE 21, 2022	Date:

CITY OF PITTSBURG CONTRACT NO. 2021-45

SYMBOLS, ABBREVIATIONS
AND GENERAL NOTES

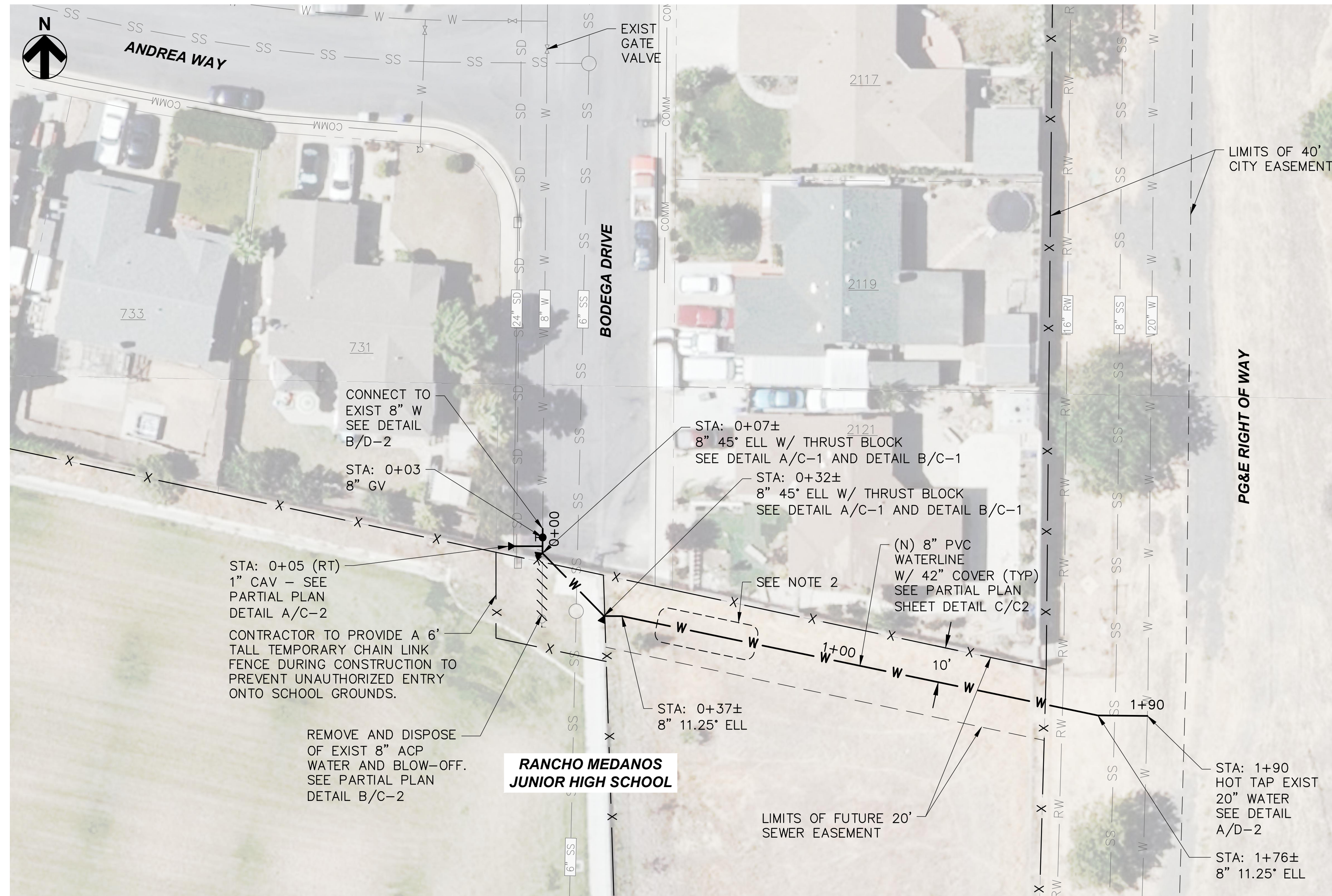


G-1

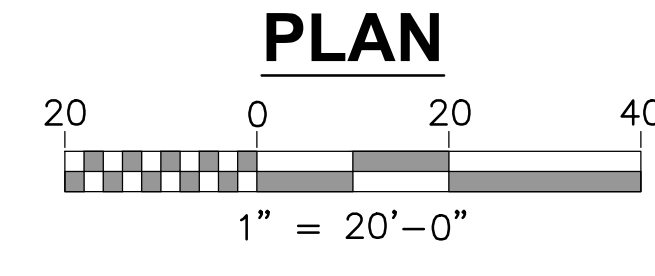
SHEET No.

2 OF 6

Xref Filename: 341-003-Boundary Map (W-107) | XR-Hse-Border_Pittsburg | 341-003-Site Image (W-107) | Path: K:\Common\Projects\341-City of Pittsburg\003 - Bodega Ct Water Line\04-Design\Drawings\12-Xr-Filename: 341-003-EX-BASE Plot date: Jun 21, 2022-02:25:00pm CAD User: mfernandez.



- NOTES**
1. NEW WATER LINE SHALL BE CONSTRUCTED FLAT OR DESCENDING AWAY FROM CAV CONNECTION IN BODEGA DRIVE. NO HIGH POINTS SHALL BE ALLOWED, EXCEPT AT THE CAV CONNECTION.
 2. EXISTING SURFACE DEPRESSION IN THIS AREA SHALL BE FILLED AND COMPACTED BY CONTRACTOR TO PROVIDE MINIMUM 42" COVER. FILL SHALL BE TAKEN FROM ALONG AND NEAR PIPELINE ALIGNMENT AS APPROVED BY ENGINEER.



NOTES:

1. ALL CONCRETE SHALL BE CLASS A.
2. THRUST BLOCKS SHALL BE PLACED SYMMETRICALLY ABOUT THE FITTING.
3. ALL CONCRETE BLOCKS TO BE KEPT CLEAR OF BALLS, LUGS AND BOLTS.
4. UNSUPPORTED SURFACES TO BE FORMED.
5. BASED ON 200 PSI (1,300KPa) TOTAL TEST AND 2000 PSF (95KPa) SOIL BEARING.
6. INCREASE ALL BEARING AREAS FOR SOFT MATERIALS, AS APPROVED BY THE CITY ENGINEER.
7. ALL FITTINGS AND VALVES SHALL BE WRAPPED WITH 5 MIL (0.12mm) MINIMUM PLASTIC SHEETING PRIOR TO POURING OF THRUST BLOCKS.
8. C1=11K DEFLECTION C2=22K DEFLECTION C3=45 DEFLECTION.
9. SEE SHEET W-15 FOR UPWARD FORCE VERTICAL BENDS.

PIPE SIZE	A	B	C1	C2	C3
4"	1.5	2.0	0.25	0.5	1.0
6"	3.0	4.0	1.0	1.5	4.5
8"	5.5	8.0	1.0	2.0	4.0
10"	8.0	11.5	2.0	3.5	6.5
12"	12.0	17.0	2.5	4.5	9.0
14"	16.0	22.0	3.0	6.5	12.0
16"	21.0	29.0	4.0	8.0	16.0
18"	32.0	45.0	7.0	13.0	25.0

PIPE SIZE	A	B	C1	C2	C3
10cm	0.14	0.20	0.02	0.04	0.09
15cm	0.30	0.30	0.09	0.14	0.40
20cm	0.50	0.70	0.09	0.20	0.35
25cm	0.70	1.0	0.20	0.30	0.60
30cm	1.0	1.5	0.25	0.40	0.80
35cm	1.5	2.0	0.30	0.60	1.0
40cm	2.0	2.5	0.35	0.70	1.5
45cm	3.0	4.0	0.65	1.0	2.0

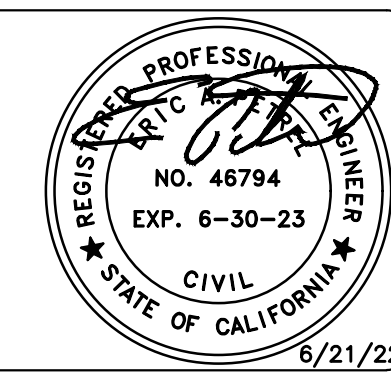
CITY STD. CONCRETE THRUST BLOCK (1 OF 2) A
SCALE: NO SCALE

NOTE:
FOR GENERAL NOTES AND THRUST BLOCK TABLES SEE SHEET 1 OF 2.

CITY STD. CONCRETE THRUST BLOCK (2 OF 2) B
SCALE: NO SCALE

LINE IS 2 INCHES AT FULL SIZE

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BERKELEY, CA 94710
(510) 540-7100

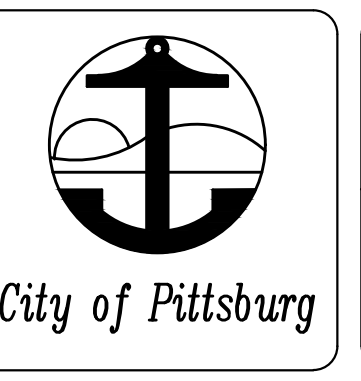


NO.	DATE	APPROV.	REVISION

DESIGNED: E.PETREL
DRAWN: M.FERNANDEZ
CHECKED: E.PETREL
REVIEWED: C.LAM
DATE: JUNE 21, 2022

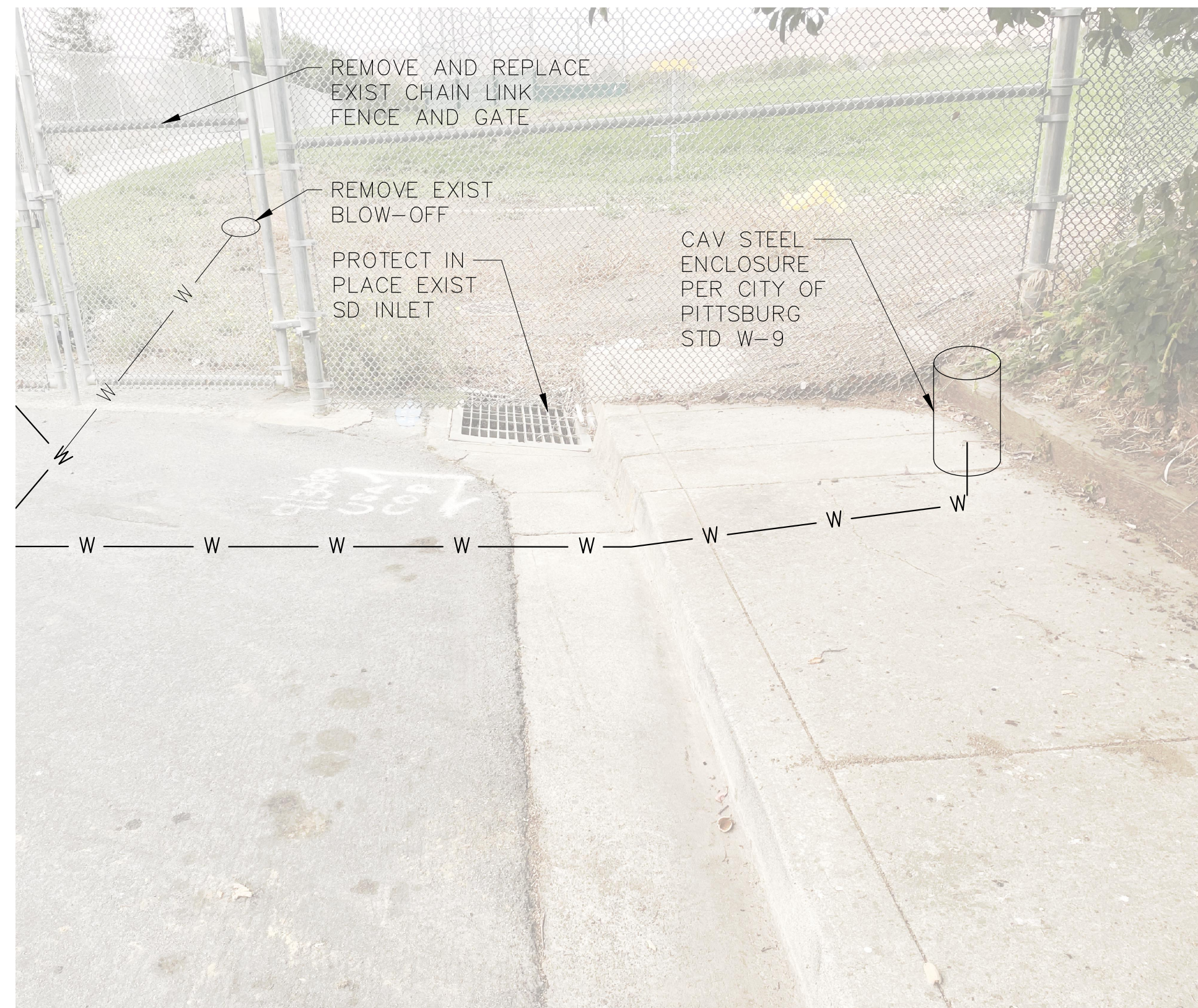
ACCEPTED BY:
RICHARD ABONO
City Engineer
Date: _____

CITY OF PITTSBURG CONTRACT NO. 2021-45
IMPROVEMENT PLAN



C-1
SHEET No.
3 OF 6

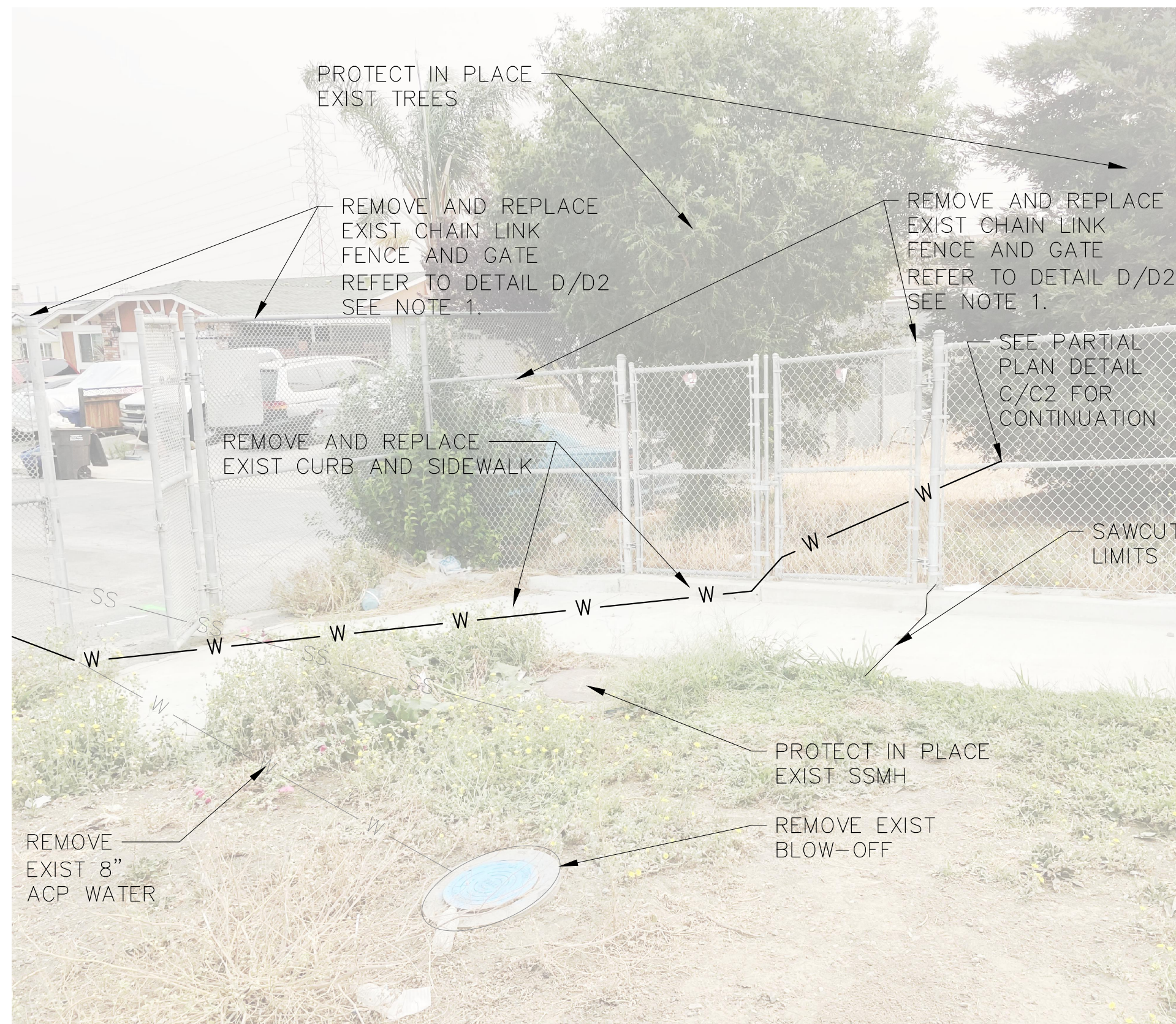
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CAV PARTIAL PLAN

SCALE: NO SCALE

A
C-2



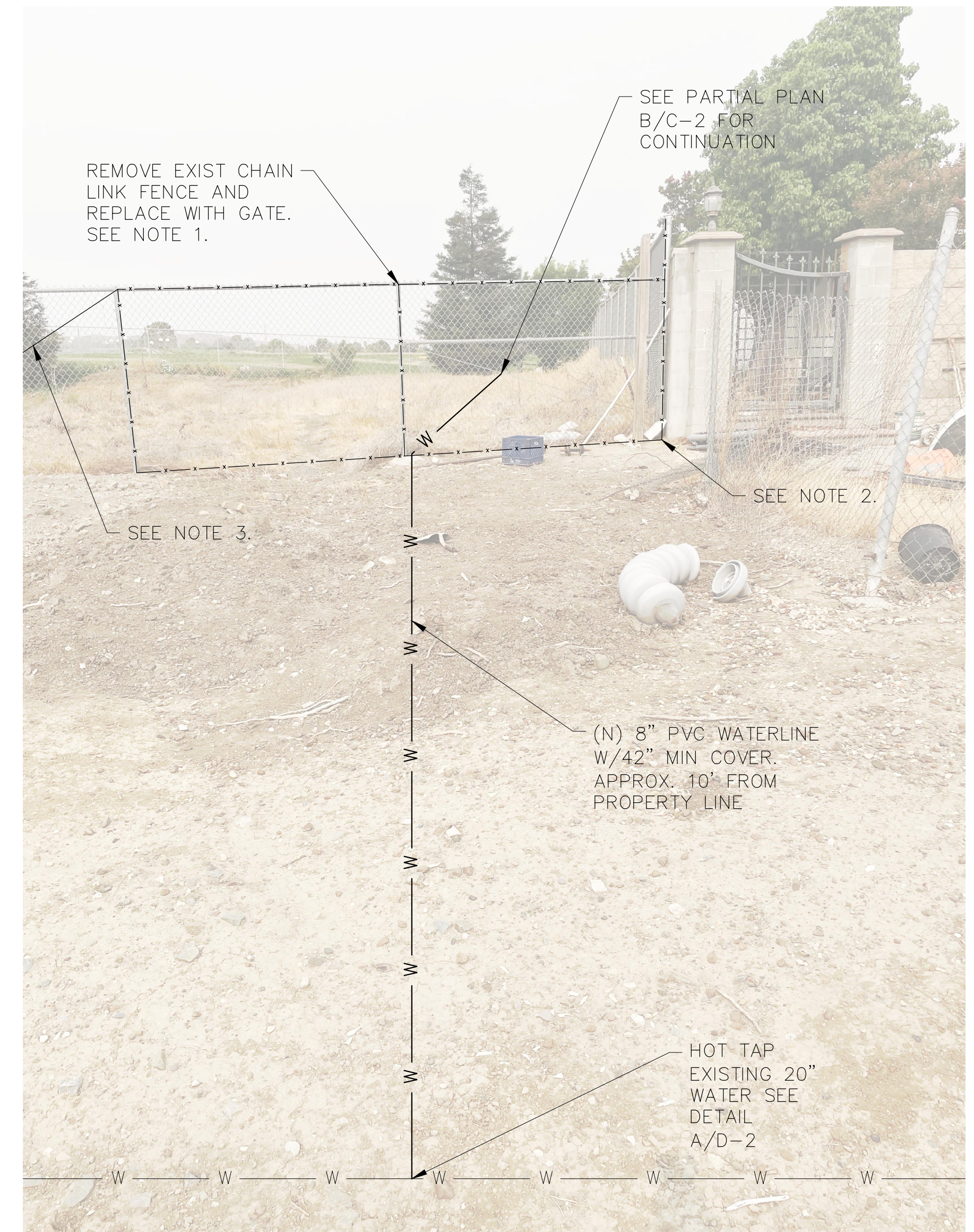
NOTES:

1. CONTRACTOR TO PROVIDE A 20' FOOT DOUBLE GATE WITH REMOVABLE CENTER POST TO MATCH HEIGHT OF EXISTING FENCE.
2. AN OVERSIZED POST SHALL BE PROVIDED AT CORNER WHERE EXISTING FENCES JOIN.
3. CONTRACTOR TO PROVIDE A DIAGONAL BRACE TO THE LAST SECTION OF FENCE AT THE CORNER

SCHOOL SITE PARTIAL PLAN

SCALE: NO SCALE

B
C-2



NOTES:

1. CONTRACTOR TO PROVIDE A 20' FOOT DOUBLE GATE WITH REMOVABLE CENTER POST AS SHOWN. GATE SHALL CONFORM TO CALTRANS STANDARD PLAN A85. HEIGHT SHALL MATCH HEIGHT OF EXISTING FENCE.
2. PROVIDE 6' STANDARD GATE POST AT CORNER PER CALTRANS STANDARD PLAN A85, POST SHALL BE EMBEDDED 4'-0" IN 20" CONCRETE-FILLED POST HOLE.
3. INSTALL A DIAGONAL BRACE ON THE LAST SECTION OF EXISTING FENCE PER CALTRANS STANDARD PLAN A85.

PG&E EASEMENT PARTIAL PLAN

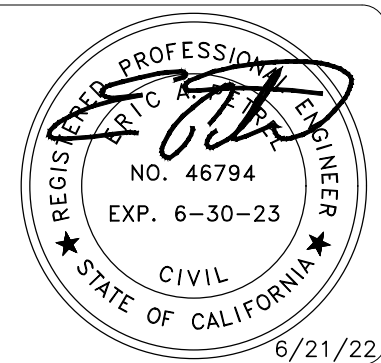
SCALE: NO SCALE

C
C-2

LINE IS 2 INCHES AT FULL SIZE



741 ALLSTON WAY
BERKELEY, CA 94710
(510) 540-7100



NO.	DATE	APPROV.	REVISION

DESIGNED: E.PETREL
DRAWN: M.FERNANDEZ
CHECKED: E.PETREL
REVIEWED: C.LAM
DATE: JUNE 21, 2022

ACCEPTED BY:
RICHARD ABONO
City Engineer
Date: _____

CITY OF PITTSBURG CONTRACT NO. 2021-45

PARTIAL PLANS

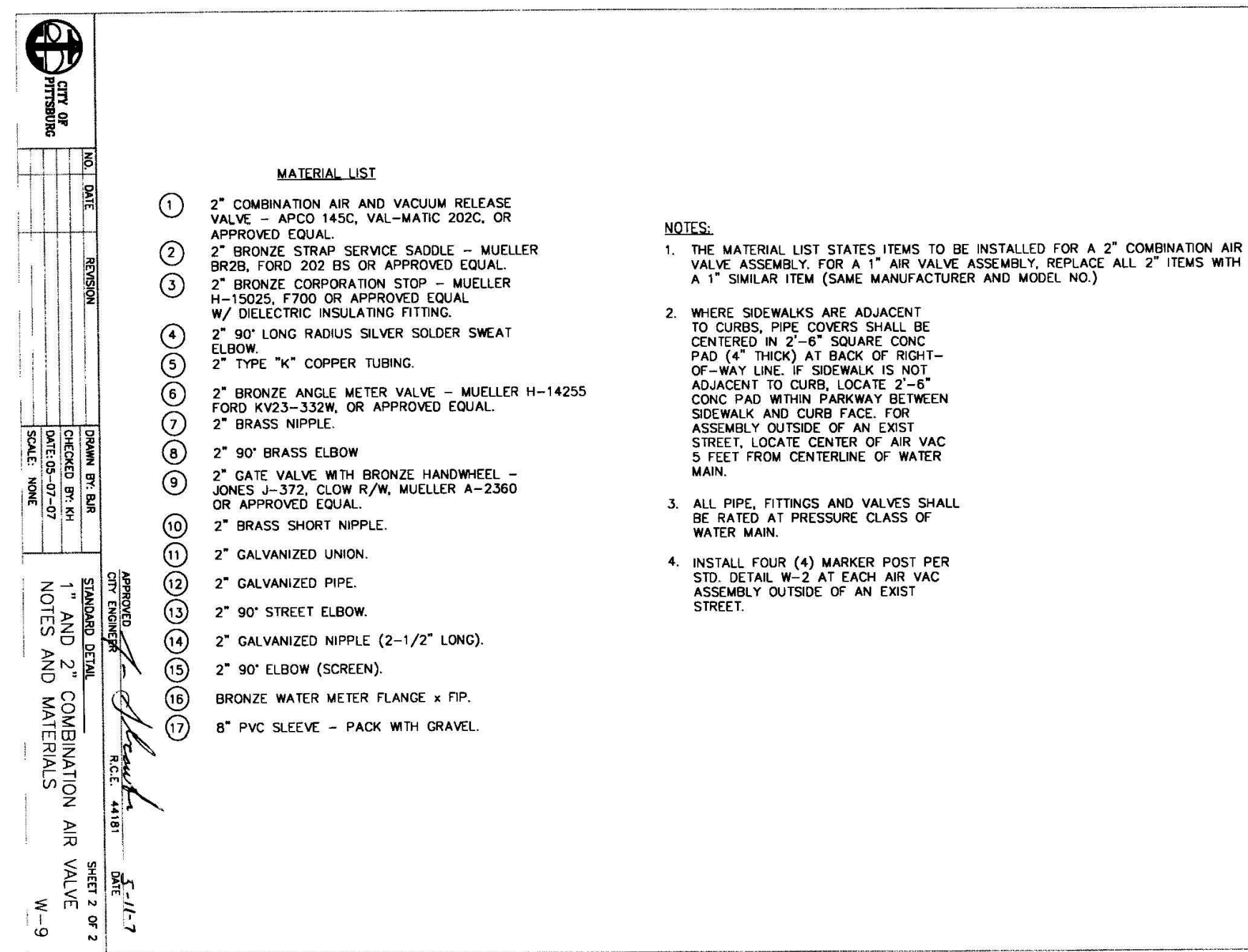
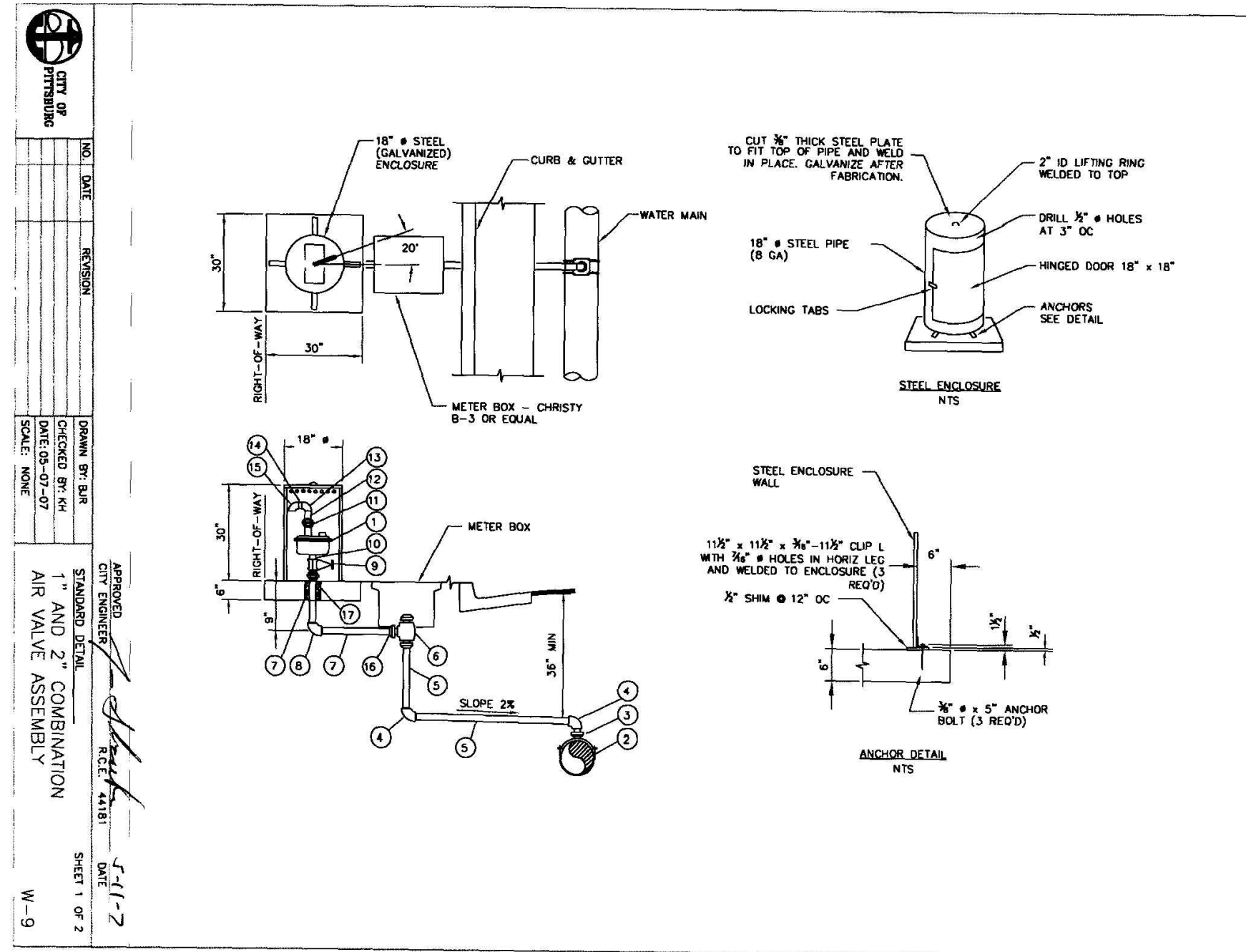


C-2

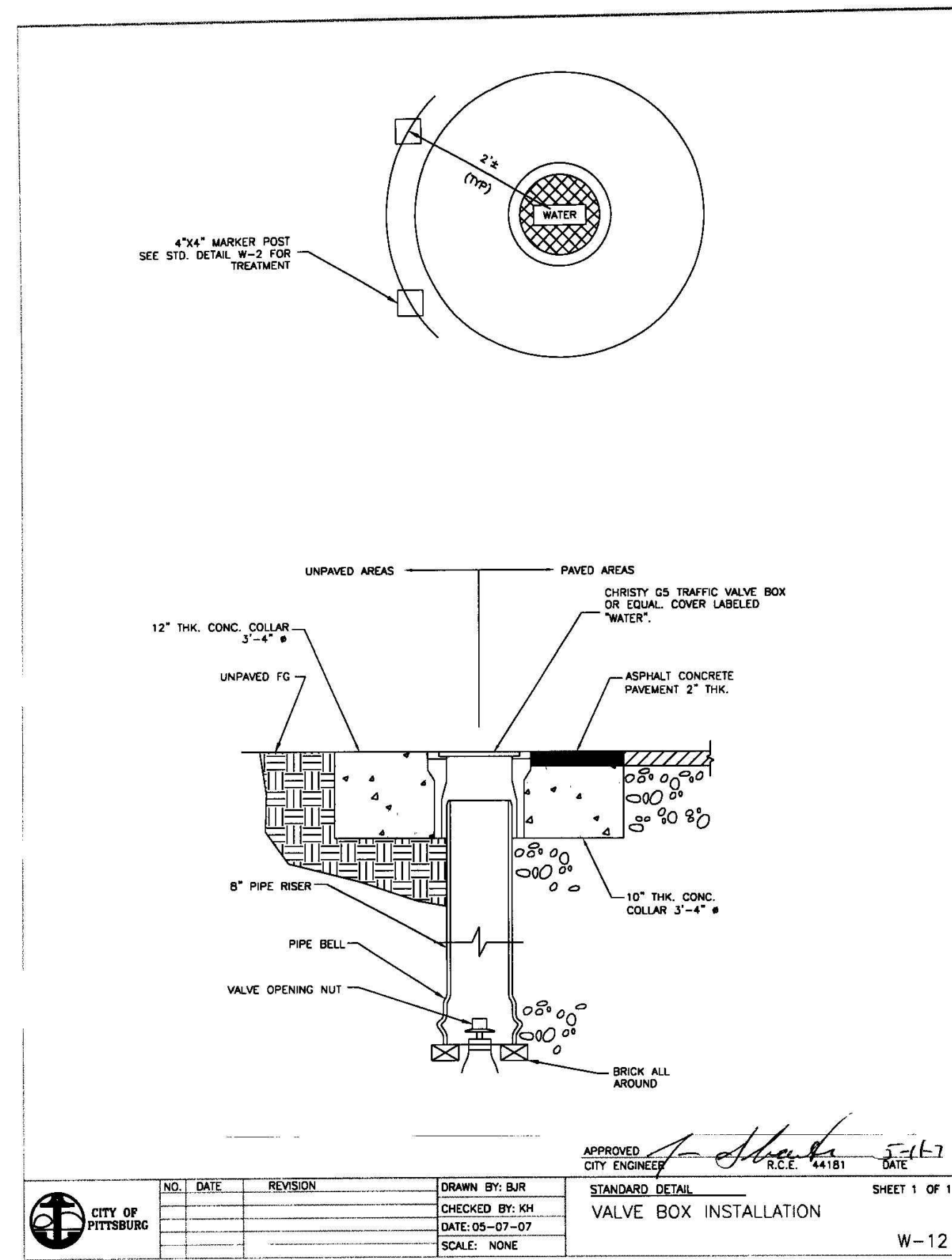
SHEET No.

4 OF 6

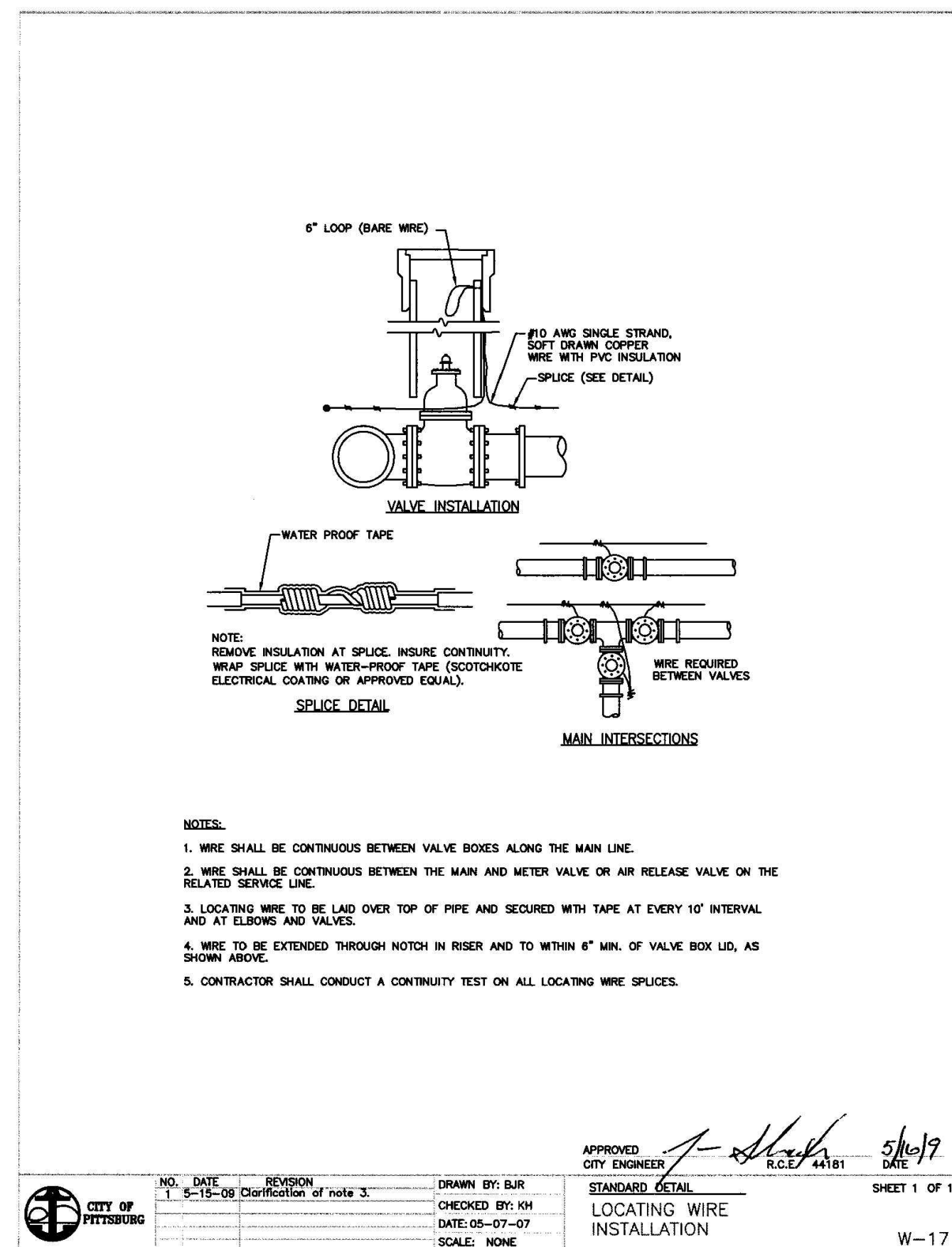
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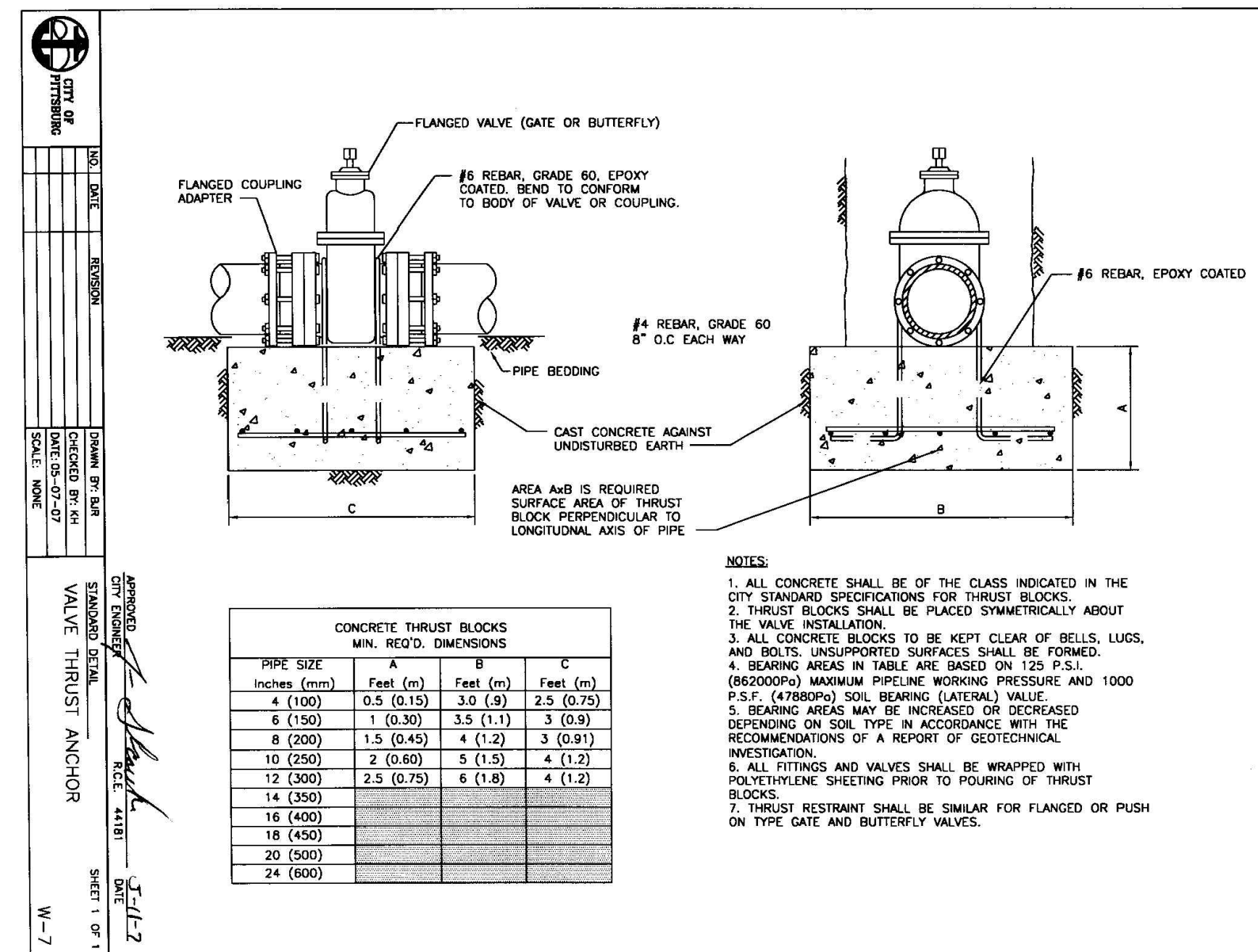
CITY STANDARD COMBINATION AIR VALVE (CAV) A
 SCALE: NO SCALE C-1



CITY STD. VALVE BOX INSTALLATION B
 SCALE: NO SCALE D-2



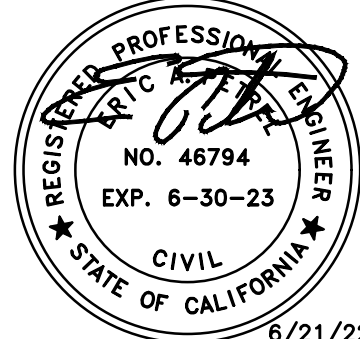
CITY STD. LOCATING WIRE INSTALLATION C
 SCALE: NO SCALE



CITY STD. VALVE THRUST ANCHOR D
 SCALE: NO SCALE D-2

LINE IS 2 INCHES AT FULL SIZE

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 741 ALLSTON WAY
 BERKELEY, CA 94710
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NO.	DATE	APPROV.	REVISION

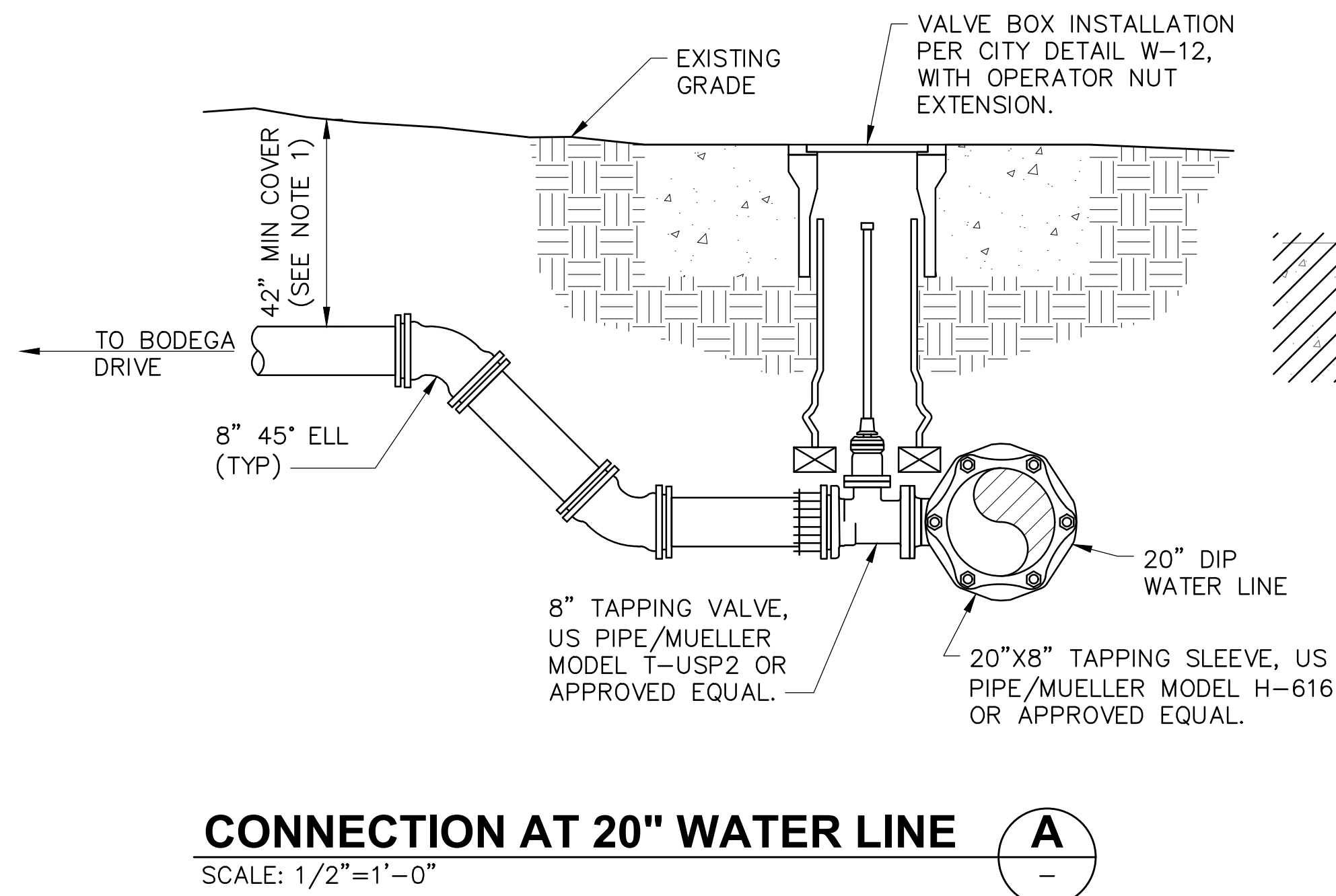
DESIGNED: E.PETREL	ACCEPTED BY:
DRAWN: M.FERNANDEZ	RICHARD ABONO City Engineer
CHECKED: E.PETREL	Date:
REVIEWED: C.LAM	
DATE: JUNE 21, 2022	

CITY OF PITTSBURG CONTRACT NO. 2021-45
 CITY STANDARD DETAILS



D-1
 SHEET No.
 5 OF 6

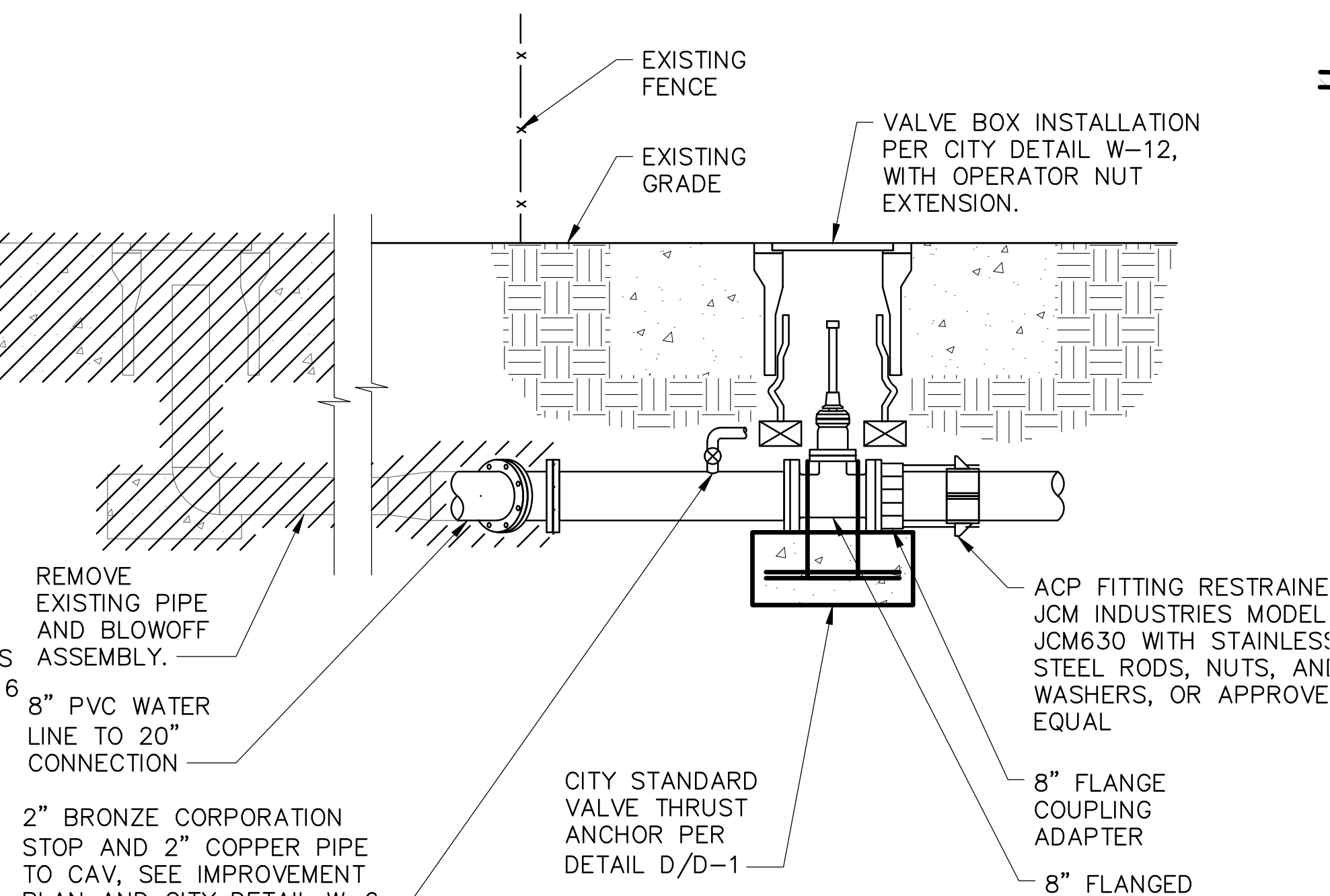
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CONNECTION AT 20" WATER LINE

SCALE: 1/2"=1'-0"

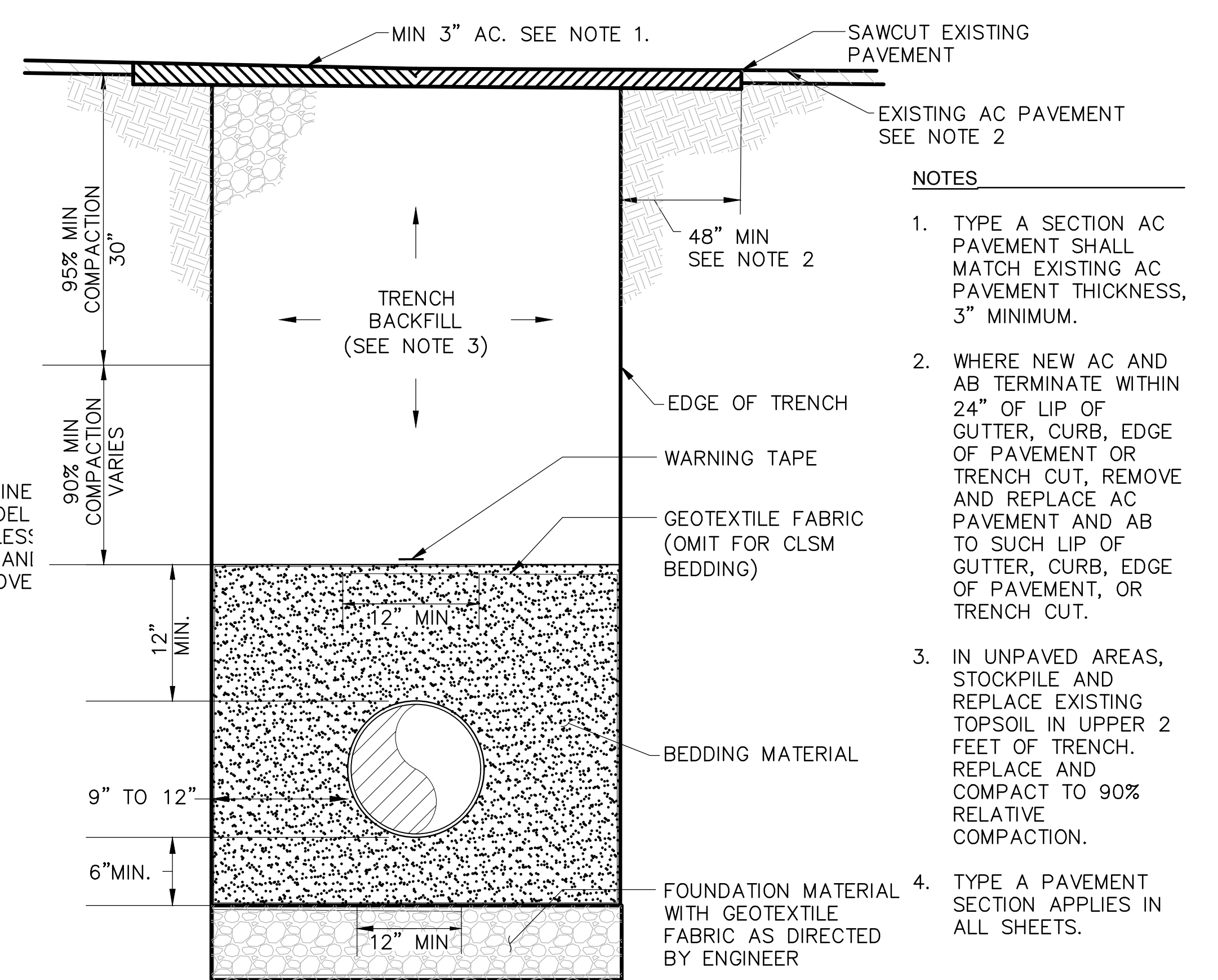
A



CONNECTION IN BODEGA DRIVE

SCALE: 1/2"=1'-0"

B

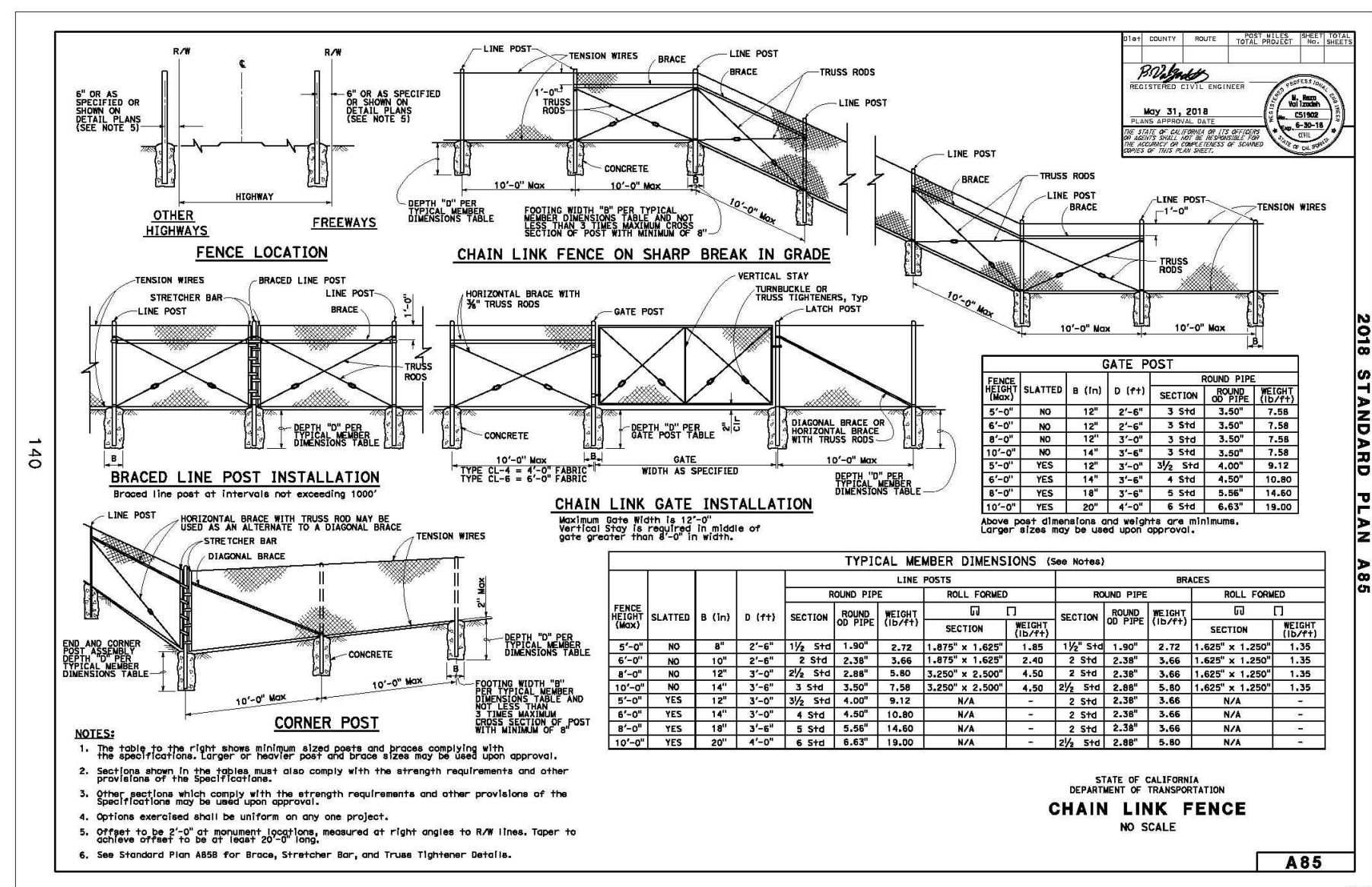


TRENCH AND PAVEMENT SECTION

SCALE: NTS

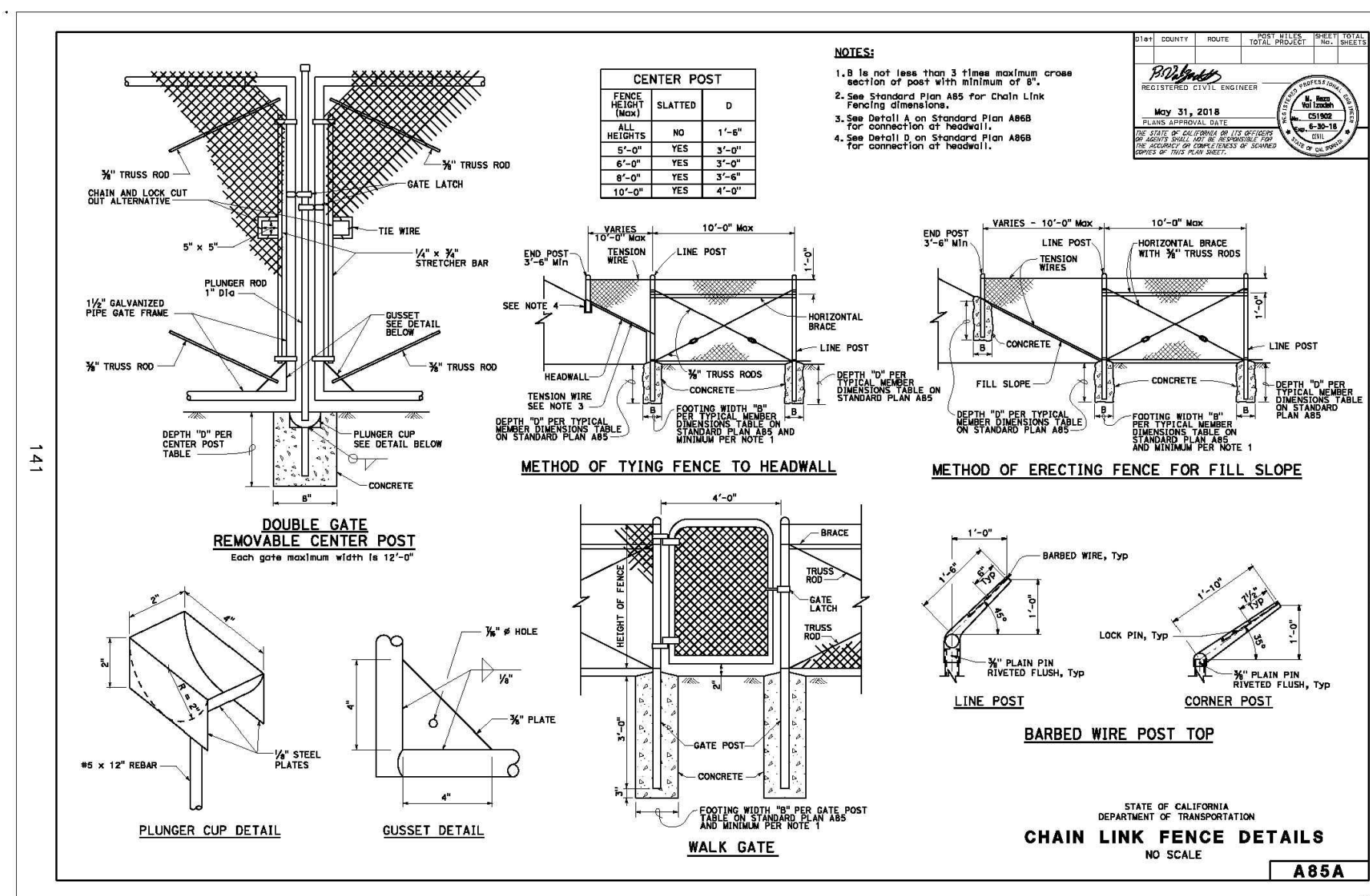
C

- NOTES**
1. TYPE A SECTION AC PAVEMENT SHALL MATCH EXISTING AC PAVEMENT THICKNESS, 3" MINIMUM.
 2. WHERE NEW AC AND AB TERMINATE WITHIN 24" OF LIP OF GUTTER, CURB, EDGE OF PAVEMENT OR TRENCH CUT, REMOVE AND REPLACE AC PAVEMENT AND AB TO SUCH LIP OF GUTTER, CURB, EDGE OF PAVEMENT, OR TRENCH CUT.
 3. IN UNPAVED AREAS, STOCKPILE AND REPLACE EXISTING TOPSOIL IN UPPER 2 FEET OF TRENCH. REPLACE AND COMPACT TO 90% RELATIVE COMPACTION.
 4. TYPE A PAVEMENT SECTION APPLIES IN ALL SHEETS.



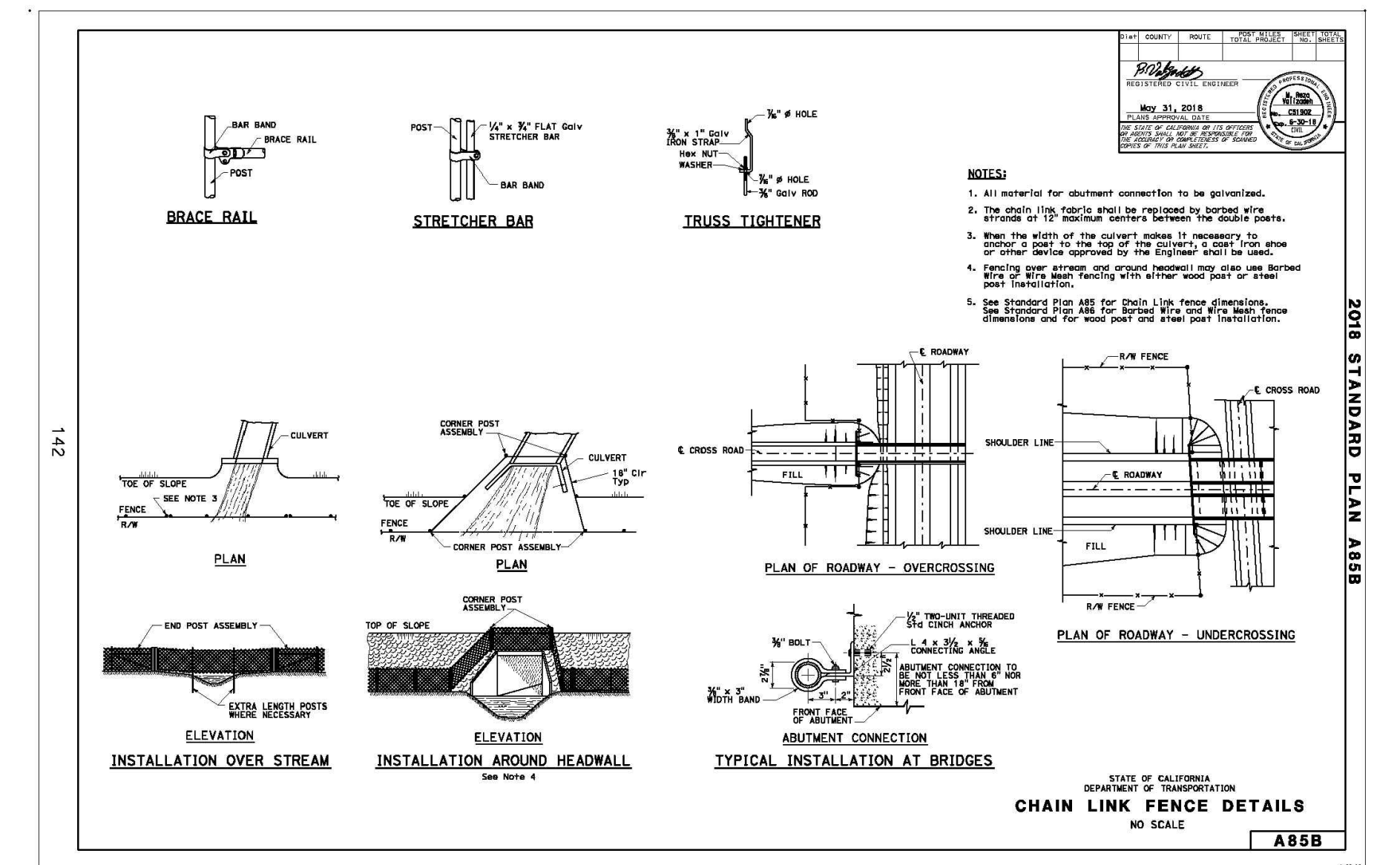
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2018 STANDARD PLAN A85A

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2018 STANDARD PLAN A85B

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CALTRANS STANDARD FENCE

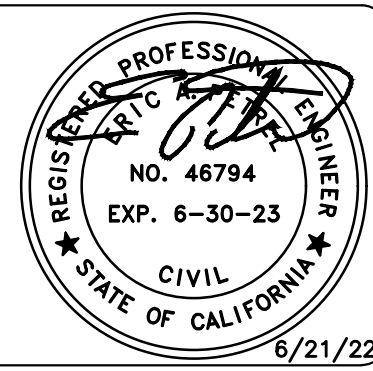
SCALE: NO SCALE

D

D-2

LINE IS 2 INCHES AT FULL SIZE

HydroScience 741 ALLSTON WAY
BERKELEY, CA 94710
(510) 540-7100



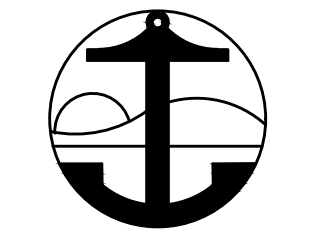
NO.	DATE	APPROV.	REVISION

DESIGNED: E.PETREL
DRAWN: M.FERNANDEZ
CHECKED: E.PETREL
REVIEWED: C.LAM
DATE: JUNE 21, 2022

ACCEPTED BY:
RICHARD ABONO
City Engineer

CITY OF PITTSBURG CONTRACT NO. 2021-45

CIVIL DETAILS



City of Pittsburg

D-2

SHEET No.

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