NORTH BEACH WATER DISTRICT

PACIFIC COUNTY

WASHINGTON

WATER SUPPLY AND TREATMENT PROJECT

NORTH BEACH WATER DISTRICT

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GWEN BRAKE

GLENN RIPLEY

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BOB HUNT

DENNIS SCHWEIZER

COMMISSIONER-POSTION 3

COMMISSIONER-POSTION 3

COMMISSIONER-POSTION 3

FOR MANAGER

FIELD SUPERVISOR

TREATMENT PLANT OPERATOR

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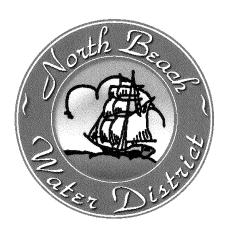
 CENTURY LINK (TELEPHONE)
 (855) 742-6062

CHARTER COMMUNICATIONS

(CABLE)

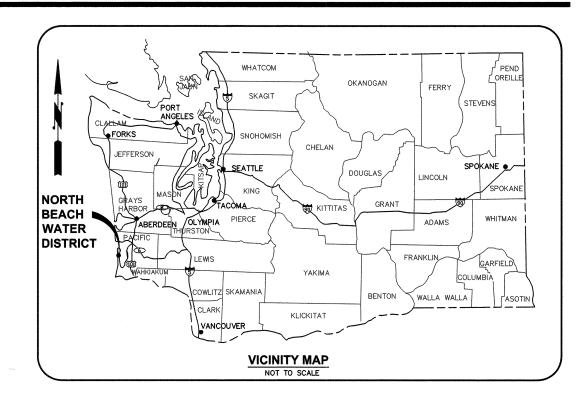
(425) 392-6412

REBID



FEBRUARY 2016 G&O NO. 13224.02





THIS PROJECT IS FUNDED IN PART BY
A DRINKING WATER STATE REVOLVING FUND
LOAN (DWSRF)



DATUM

HORIZONTAL DATUM: NAD 83 [07]
VERTICAL DATUM: NGVD 88

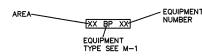
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E4-1	SCHEDULE A	AREA 04 - SOUTH WELLFIELD OPERATIONS BUILDING ELECTRICAL PLAN				
E4-2	SCHEDULE A	AREA 04 - SOUTH WELLFIELD GREATHORS BUILDING ELECTRICAL PLAN				
E5-1	SCHEDULE B					
E7-1	SCHEDULE B					
Ŀ / 'I	SCHEDULE B	AREA 08 - NORTH WELLFIELD BOOSTER STATION MODIFIED ELECTRICAL FLAN				

GENERAL NOTES:

- IN GENERAL, EXISTING STRUCTURES AND FACILITIES ARE NOTED AS "EXISTING" AND ARE SHOWN IN LIGHT LINE WEIGHTS OR AS SCREENED BACKGROUND. NEW CONSTRUCTION, STRUCTURES, FACILITIES, AND FEATURES ARE SHOWN IN HEAVY LINE WEIGHTS.
- MANY OF THE SYMBOLS SHOWN ON THIS LEGEND ARE USED ONLY WHERE THEY PROVIDE CLARITY AND ARE NOT NECESSARILY USED IN ALL APPLICATIONS. SOME CONTRACT DRAWINGS MAY HAVE ADDITIONAL LEGENDS APPLICABLE FOR THAT SPECIFIC DRAWING. SYMBOLS SHOWN ON SPECIFIC DRAWINGS GOVERN.
- 3. THE CONTRACTOR SHALL VERIFY ALL PLANIMETRIC FEATURES AND DIMENSIONS PRIOR TO STARTING WORK AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS REFER TO THE HORIZONTAL AND VERTICAL PROJECTED PLANES, UNLESS OTHERWISE INDICATED.

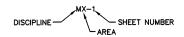
EQUIPMENT IDENTIFICATION



PROCESS PIPING

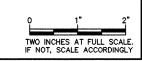


SHEET AREA IDENTIFICATION



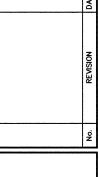
AREA NUMBER

- 1 SOUTH WELLFIELD WEGARDT WELL NO. 1
- 2 SOUTH WELLFIELD WIEGARDT WELL NO. 2
- 3 SOUTH WELLFIELD WIEGARDT WELL NO. 3
- 4 SOUTH WELLFIELD TREATMENT BUILDING
- 5 NORTH WELLFIELD TREATMENT BUILDING
- 6 NORTH WELLFIELD BACKWASH BASIN (BY OTHERS)
- 7 NORTH WELLFIELD EXISTING BOOSTER STAION
- 8 NORTH WELLFIELD EXISTING RESERVOIRS NO. 2
- 9 NORTH WELLFIELD EXISTING WELL NO. 4





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SCALE	DRAWN:	СНЕСКЕD:	APPROVED:
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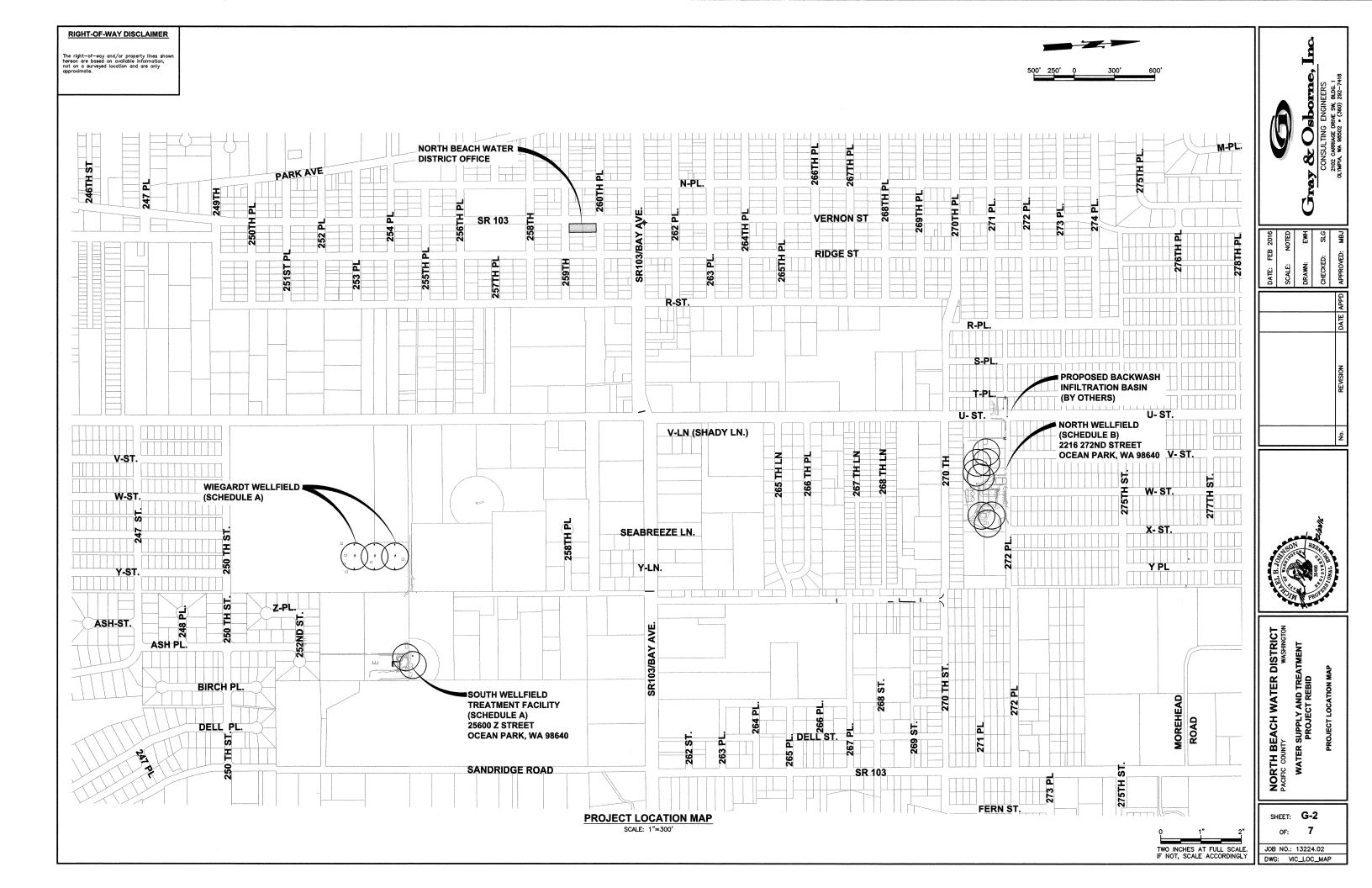


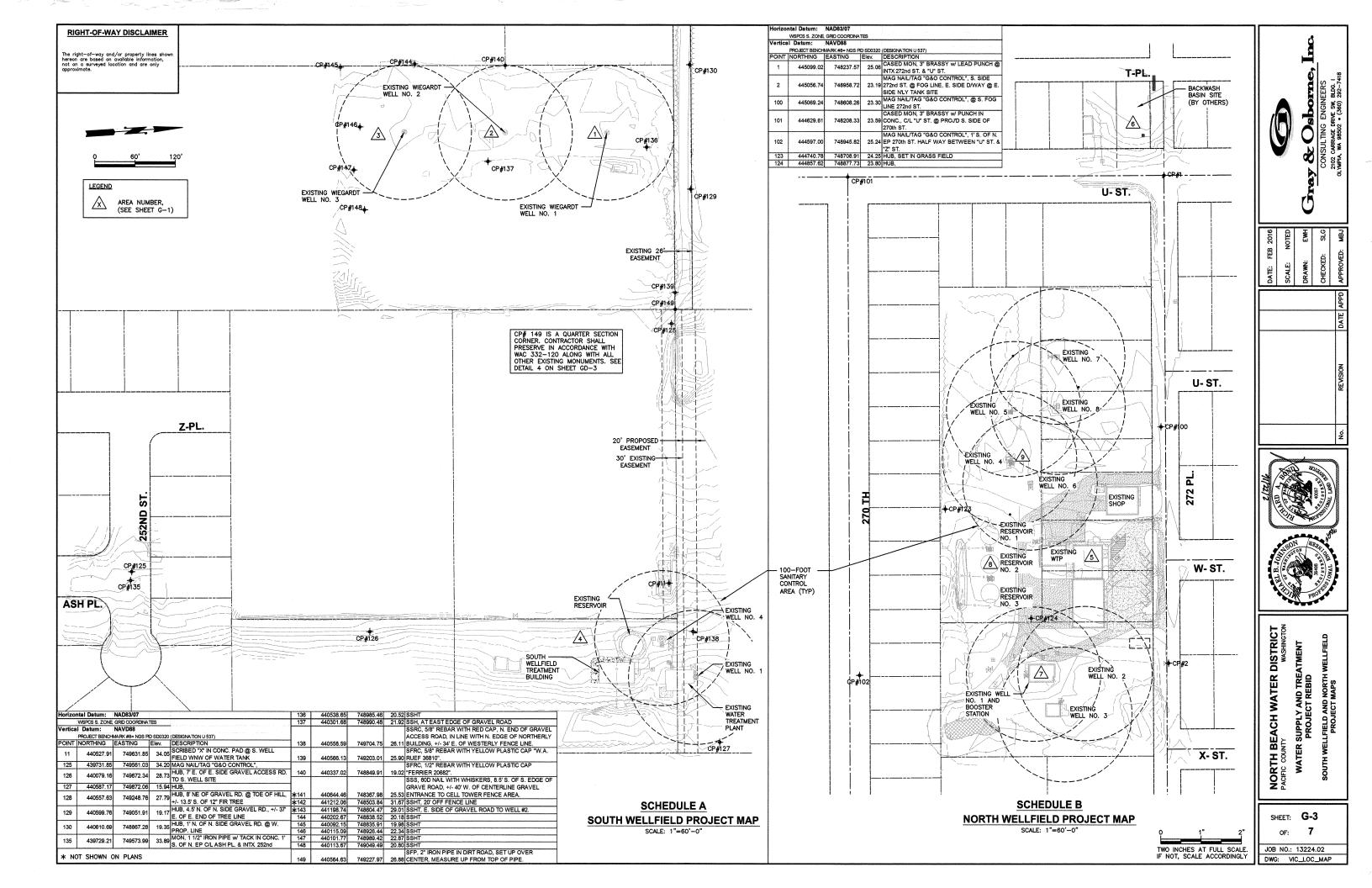
NORTH BEACH WATER DISTRICT
PACIFIC COUNTY
WATER SUPPLY AND TREATMENT
PROJECT REBID
SHEET INDEX, GENERAL NOTES AND

SHEET: G-1

OF: **7**JOB NO.: 13224.02

DWG: PIPE_SYMB





ABBR	EVIATIONS				CENEDAL EVAPO)			SVMROL LEGEND			
AB	ANCHOR BOLT		LENGTH		GENERAL SYMBO	<u>/L3</u>		EXISTING	SYMBOL LEGEND	PROPOSED		
AC ACP ADJ	ASPHALT CONCRETE ACOUSTIC PANEL ADJUSTABLE	L LB LB/HR LF	POUND POUND PER HOUR LINEAR FEET	1/4" FT.	SLOPE 1/4" PER FOOT FLOW DIRECTION (AIR, WATER)		SQUARE SECTION PIPE SECTION		ASPHALT SURFACING		ASPHALT SURFACING	
AISC ALTR ALUM ANSI	AMERICAN INSTITUTE OF STEEL CONSTRUCTION ALTERNATE ALUMINUM AMERICAN NATIONAL STANDARDS INSTITUTE	MAG MAX	MAGNETIC MAXIMUM	⊠-◊-	OPENING	•	SPACING CENTER ON CENTER	<u>(5.55.55.3)</u>	GRAVEL SURFACING	Edwards	GRAVEL SURFACING	
ASCE ASPH ASTM	AMERICAN SOCIETY OF CIVIL ENGINEERS ASPHALT AMERICAN SOCIETY OF TESTING AND MATERIALS	MDO MECH MFGR, MI	MEDIUM DENSITY OVERLAY MECHANICAL FR MANUFACTURER	TOTALIST	GROUND	*	SIZE OF DEFORMED BAR	(CONCRETE SURFACING	*.	CONCRETE SURFACING	September 1
ASSY AVE AWS	ASSEMBLY AVENUE AMERICAN WELDING SOCIETY	MGD MG/L MH	MILLION GALLONS PER DAY MILLIGRAM PER LITER MANHOLE		ASPHALT SECTION	ø	DIAMETER		BURIED ELECTRICAL	Е	ELECTRICAL	
^"3	AMENICAN WELDING SOCIETY	MIN MJ MO	MINIMUM MECHANICAL JOINT MID ORDINATE	(**************************************	CONCRETE SECTION		RECTANGULAR SECTION	contraction (which can be a first of the state of the sta	BURIED TELEPHONE			
BI BLD FLG BLDG	BLACK IRON BLIND FLANGE BUILDING	N	NORTH	\\	WATER SURFACE	_	ANGLE		SANITARY SEWER			
BLK BOD BOW	BLOCK BOTTOM OF DUCT BOTTOM OF WALL	No. NTS	NUMBER NOT TO SCALE	•	ELEVATION REFERENCE POINT	w	WIDE-FLANGE SHAPE	contract and administration. We contract an administration	WATER MAIN (SIZE AS NOTED)	W	WATER MAIN	
BTWN BVC	BETWEEN BEGIN VERTICAL CURVE	OC OD OPNG	ON CENTER OUTSIDE DIAMETER	0	LEGEND/NOTE CALL OUTS	С	CHANNEL		STORM DRAIN (SIZE & TYPE AS NOTED)	D	DRAIN	2016 OTED
CAP	CONDUIT CORRUGATED ALUMINUM PIPE	OPNG OPP OSHA	OPENING OPPOSITE OCCUPATIONAL SAFETY AND HEALTH	•	PIPE SUPPORT	PL.	PLATE	AND AND ADDRESS WHITE AND ADDRESS AND ADDR	RIGHT OF WAY			FEB 2016 NOTED
CAP CB CDF CFM	CATCH BASIN CONTROLLED DENSITY FILL		ADMINISTRATION	©	ELECTRICAL MAST	¥.	CENTER LINE		CENTERLINE OF ROADWAY	*	SILT FENCE	DATE: F
I CI	CUBIC FEET PER MINUTE CAST IRON CLASS	PE PERF PL	PLAIN END PERFORATED PLATE	•					CENTERLINE OF ROADWAT			AQ S
CL CLR CMP CMU	CENTER LINE CLEARANCE CORRUGATED METAL PIPE	PLYWD POT PRV	PLYWOOD POTABLE PRESSURE REDUCING VALVE						DITCH			
CMU CO CONC	CONCRETE MASONRY UNIT CLEANOUT CONCRETE	PPG PSF	POTASSIUM PERMANGANATE POUNDS PER SQUARE FOOT					Angh haga magang agalahir gapalan di rapa kangganggi di tang	CENTER LINE			
CONN CONT CONV	CONNECTION CONTRACTOR CONVEYOR	PSI PSIG PTS	POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH GAUGE PAINTED SURFACE					×	GATE VALVE	н	GATE VALVE	
CPLG	COUPLING CONTINUED COPPER	PVC PVMT	POLYVINYL CHLORIDE PAVEMENT						FIRE HYDRANT	→	FIRE HYDRANT	
CONTIN COP CP CSH CTR	CORNER POST CONCRETE SURFACE HARDENER CENTER	QT QUAD	QUARTER QUADRANT							◄	THRUST BLOCK	
D DI	DRAIN DUCTILE IRON	R	RADIUS							=	FLEXIBLE COUPLING	
DIA DIR DISCH	DIAMETER DIRECTION DISCHARGE	RD RED REINF	ROOF DRAIN REDUCER REINFORCE	EXAMPL	E OF SECTION NUMBE	RING SYS	STEM			>	REDUCER	
DN DP	DOWN DIFFERENTIAL PRESSURE	REQD RESTL RM	REQUIRED REINFORCING STEEL ROOM	ron (AND PLAN/DRAWING				ELECTRICAL TRANSFORMER			
Ē.	EAST	RO R/W	ROUGH OPENING RIGHT-OF-WAY	FOR	DETAILS SUBSTITUTE DETAIL NUMBEI	R FOR SECTION	LETIER	2-	UTILITY POLE WITH GUY WIRE			
EA ECC EL ELL	EACH ECCENTRIC ELEVATION	S	SOUTH					~~ ~	UTILITY POLE			
ELEC EMERG	ELBOW ELECTRICAL EMERGENCY	SCFH SCH SF	STANDARD CUBIC FEET PER HOUR SCHEDULE SQUARE FEET	ELEVATION VIEW	A SECTION CUT		SECTION LETTER OR DETAIL NUMBER	∳}¤(⊠	LUMINAIRE			
EXIST EXP EW	EXISTING EXPANSION EACH WAY	SFN SHC SHT	SURVEY FOUND NAIL SODIUM HYPOCHLORITE SHEET	ON SHT. M-1	C-2 ON SHT. M-1	'	C-2 SHT. ON WHICH SECTION OR DETAIL APPEARS		JUNCTION BOX (AS NOTED)			
EVC EVC	END VERTICAL CURVE	SL SP SPECS	SLOPE STATIC PRESSURE SPECIFICATIONS					XXX	FENCE	XX-	FENCE	1 N SO
FAB FCA	FABRICATED FLANGED COUPLING ADAPTER	SQ SS SSNT	SQUARE STAINLESS STEEL SURVEY SET NAIL/TAG						CULYERT .		*.	H. H
FD FF FIG	FLOOR DRAIN FACTORY FINISH, FINISHED FLOOR FIGURE	STA STD	STATION STANDARD	ON SHT. M-2 TH	IIS SECTION SECTION		SECTION LETTER	anord Comment	MAIL BOX		•	EZ E
FIN FL FLL	FINISHED FLANGE FLOW LINE	STL STRG SUC SUP	STEEL STRONG SUSPENDED CEILING	IS IDENTIFIED AS:	SCALE: ?"=1'-	$-0"$ $\begin{pmatrix} A \\ C-1 \end{pmatrix}$	OR DETAIL NUMBER SHT. FROM WHICH SECTION	_[]_	ROAD SIGN			
FLEX FLR FPM	FLEXIBLE FLOOR FEET PER MINUTE	TAPD	SUPPORT TAPERED				OR DETAIL WAS TAKEN	#00	TREES			⊢ §
FT FT2	FEET SQUARE FEET	TB TC TDH	TOP AND BOTTOM TOP OF CURB TOTAL DYNAMIC HEAD				DETAILS ARE REFERENCED IN A SIMILAR MANNER EXCEPT NUMBERS		SHRUBS			IRIC SHINGT
GA GALV GEN	GAUGE GALVANIZED GENERAL	TEL THK THRD	TELEPHONE THICK THREADED				ARE USED INSTEAD OF LETTERS	[777]				DISTRICT
GI GOVT	GALVANIZED IRON GOVERNMENT	THRU TK TOC	THROUGH TANK TOP OF CONCRETE					Visititi de la companya dela companya dela companya dela companya dela companya de la companya d	BUILDINGS			WATER
GPD GPM GRD	GALLONS PER DAY GALLONS PER MINUTE GRADE	TOW TS	TOP OF WALL TOTAL SOLIDS	A	SECTION LETTER A		CTION LETTER DETAIL NUMBER		CONTOUR	20	CONTOURS	∥ ¥
GRV GSP GV	GROOVED PIPE OR COUPLING GALVANIZED STEEL PIPE GATE VALVE	TYP VC	TYPICAL VERTICAL CURVE		SECTION APPEARS ON SAME DWG AS CUT	SEC	CTION IS TYPICAL MANY PLACES	(A)	MONUMENT	+	CONTROL POINT	호
GWB H	GYPSUM WALL BOARD HEIGHT	VERT VFD VIS	VERTICAL VARIABLE FREQUENCY DRIVE VINYL SHEET		SAME DWG AS CUT	10	MANY PLACES	### ROAD NAME	HOUSE ADDRESS			BEA
HEX HMA HORIZ	HEXAGONAL HOT MIX ASPHALT HORIZONTAL	VS	VOLATILE SOLIDS	DRAWING	STITLE IDENTIFICATION:		NG TITLE :: ?"=1'-0"	(\$3)	SAMPLING STATION			NORTH BEACH
HP HR HDPE	HORSEPOWER HOUR HIGH DENSITY POLYETHYLENE	W W/ WD	WDTH, WEST WITH WIDE			JUNEL	.		WETLAND W/ BUFFER			N N P AGIFI
ID	INSIDE DIAMETER	w/o ws	WITHOUT WATER SURFACE									
IE INF INV	INVERT ELEVATION INFLUENT INVERT	WWM WWF	WELDED WIRE MESH WELDED WIRE FABRIC									SHEET:
Ј ВОХ	JUNCTION BOX										TWO INCHES AT FULL SCALE	OF:

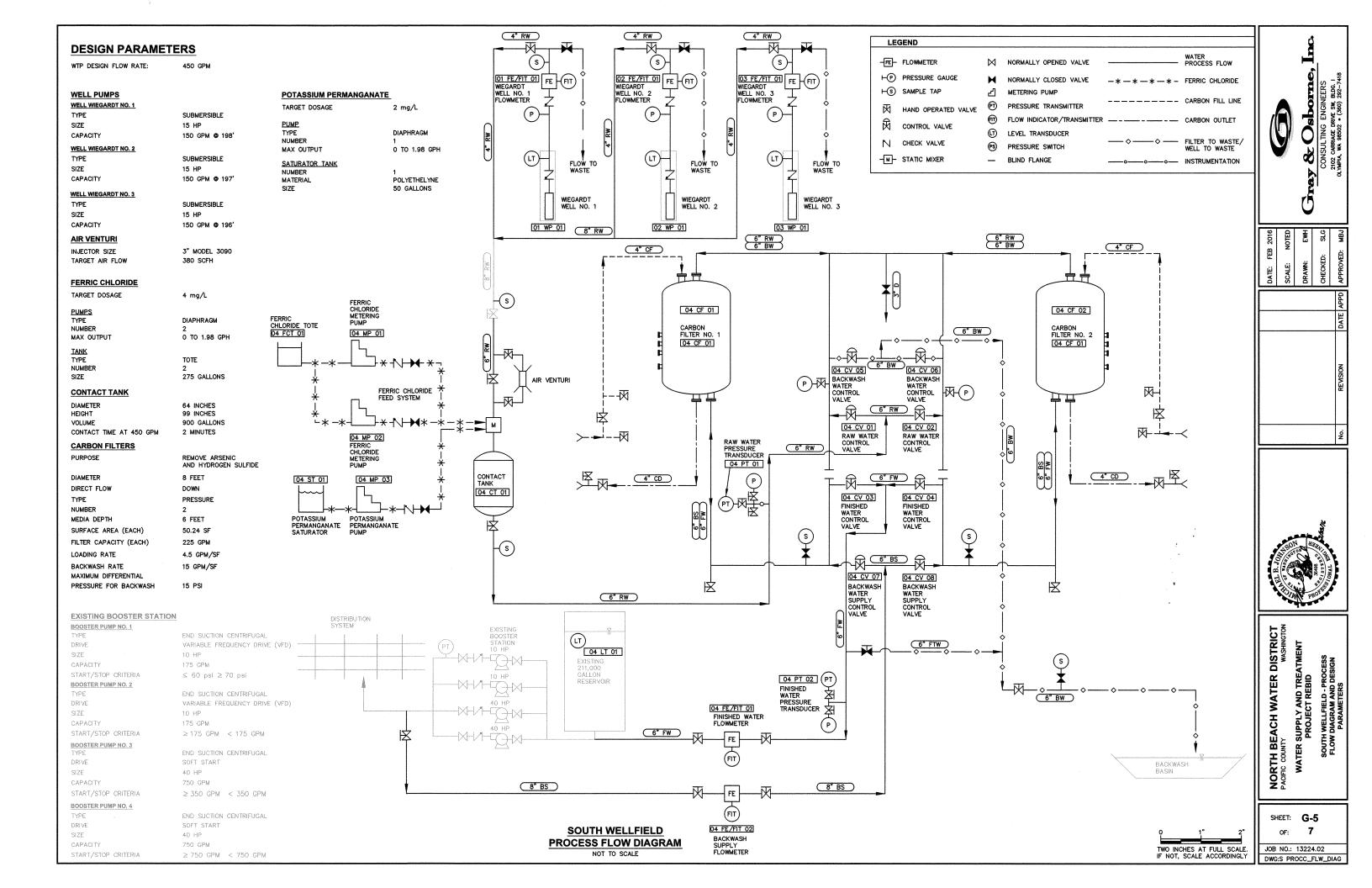
WATER SUPPLY AND TREATMENT PROJECT REBID ABBREVIATIONS, GENERAL SYMBOLS, AND SYMBOL LEGEND

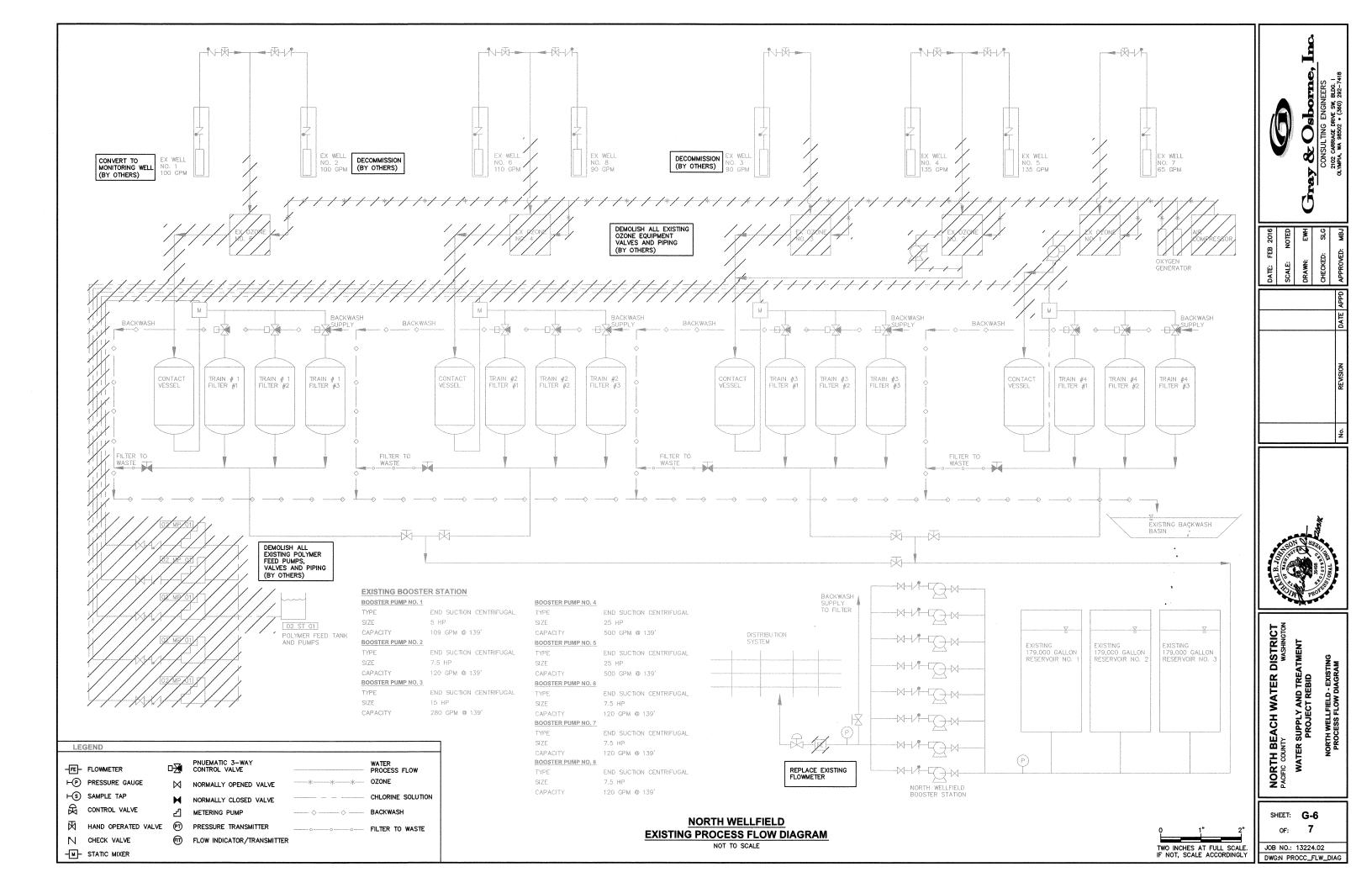
EET: G-4

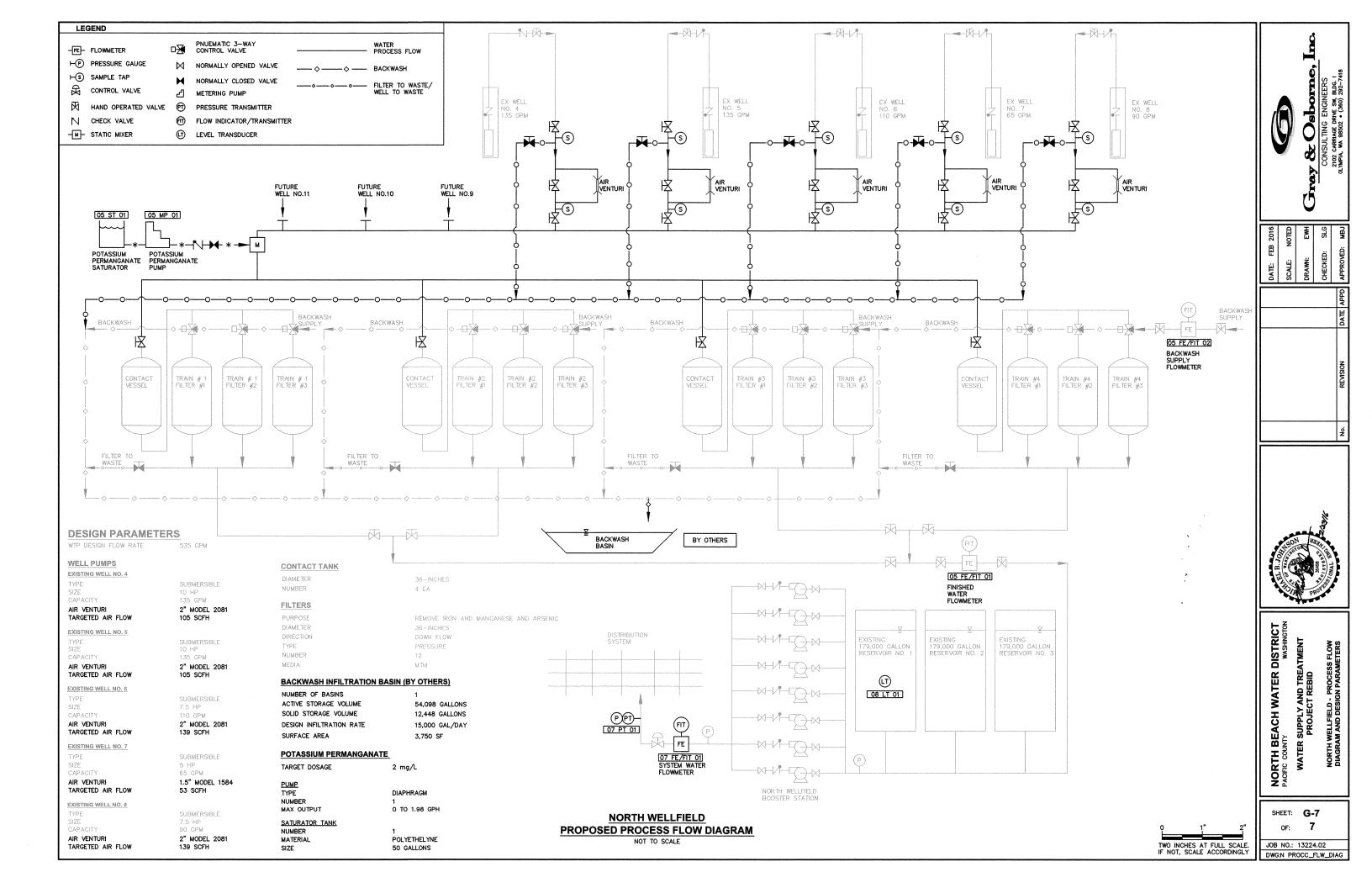
or: **7**

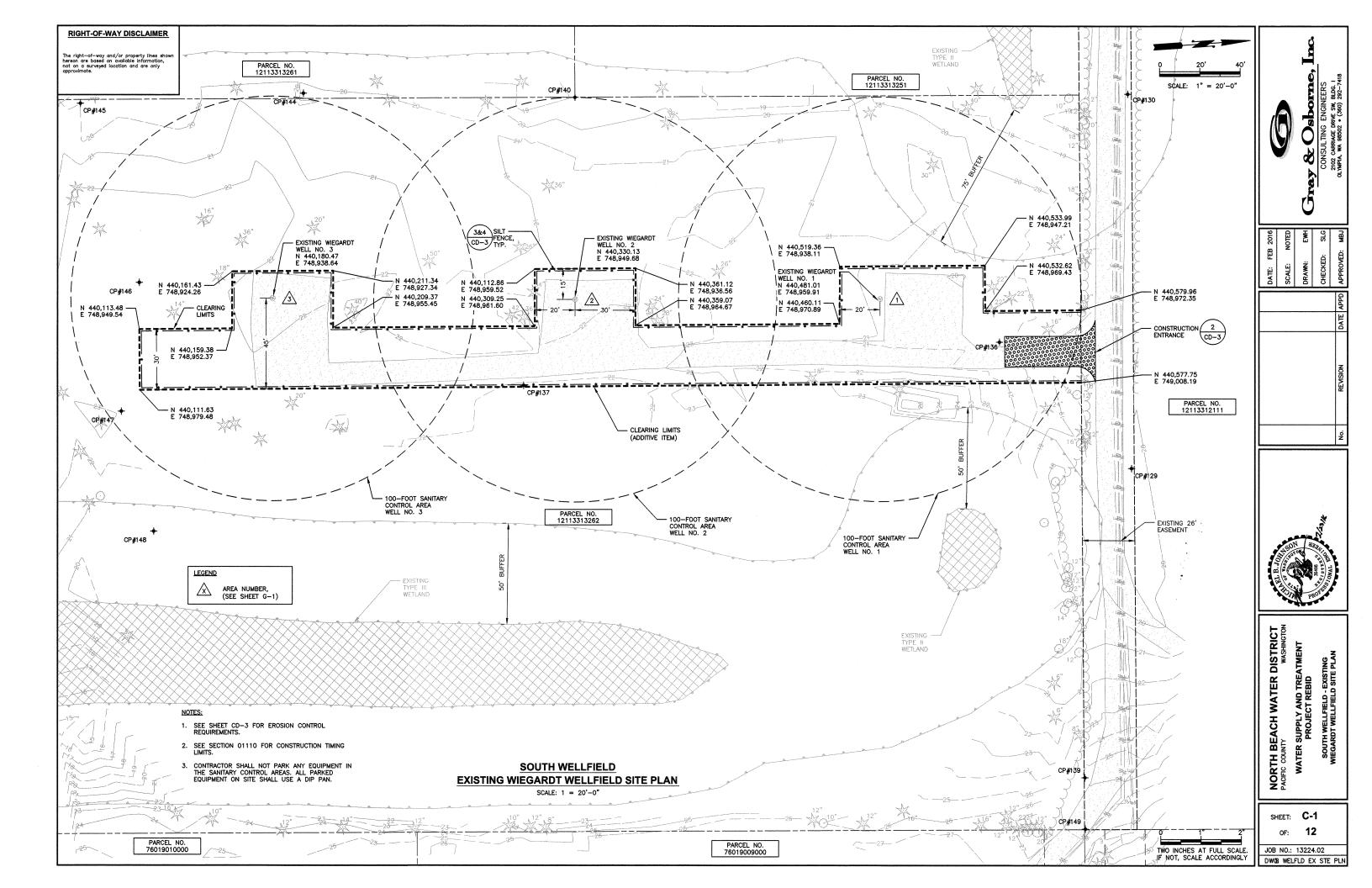
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

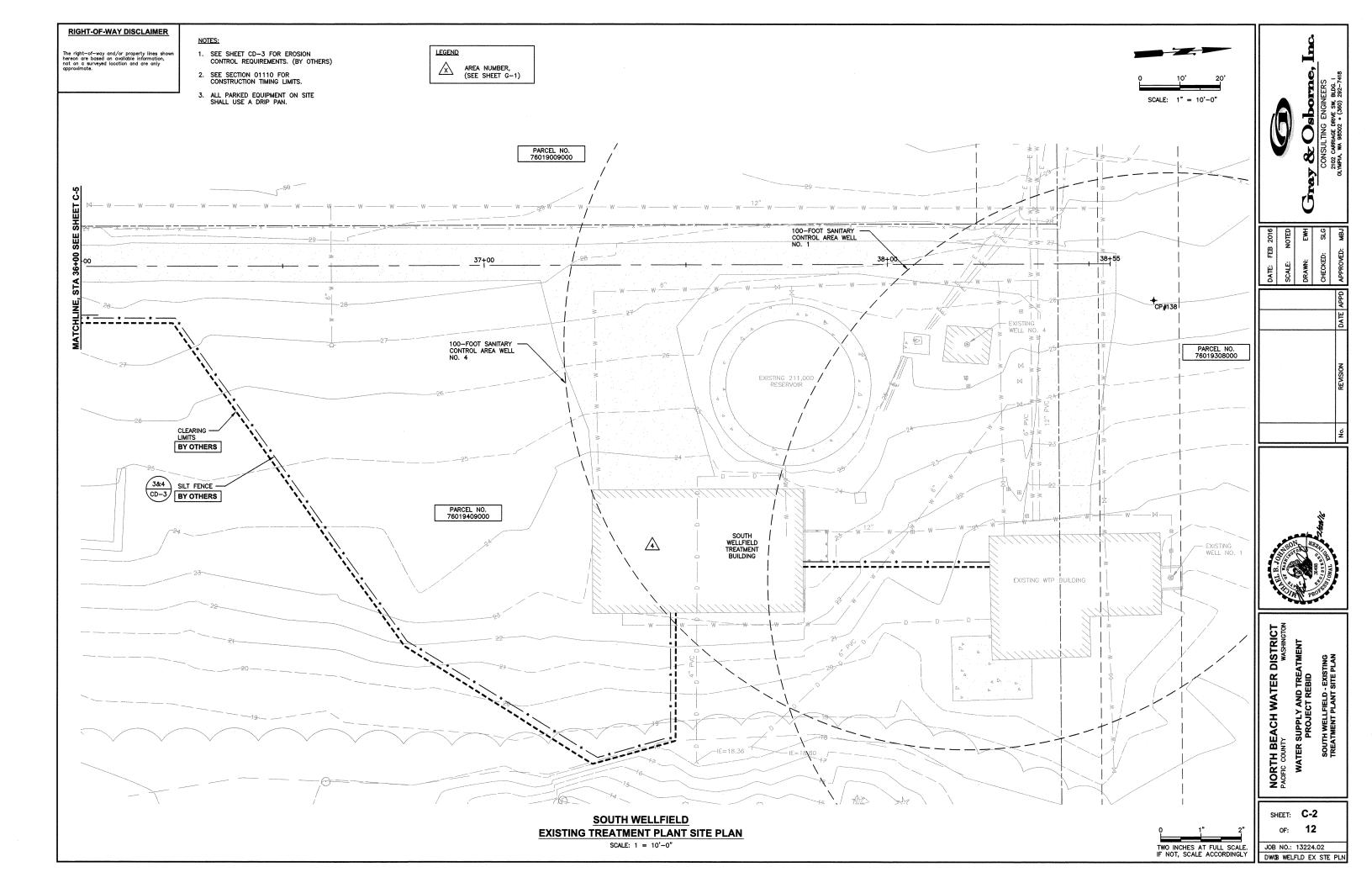
DWG: PIPE_SYMB

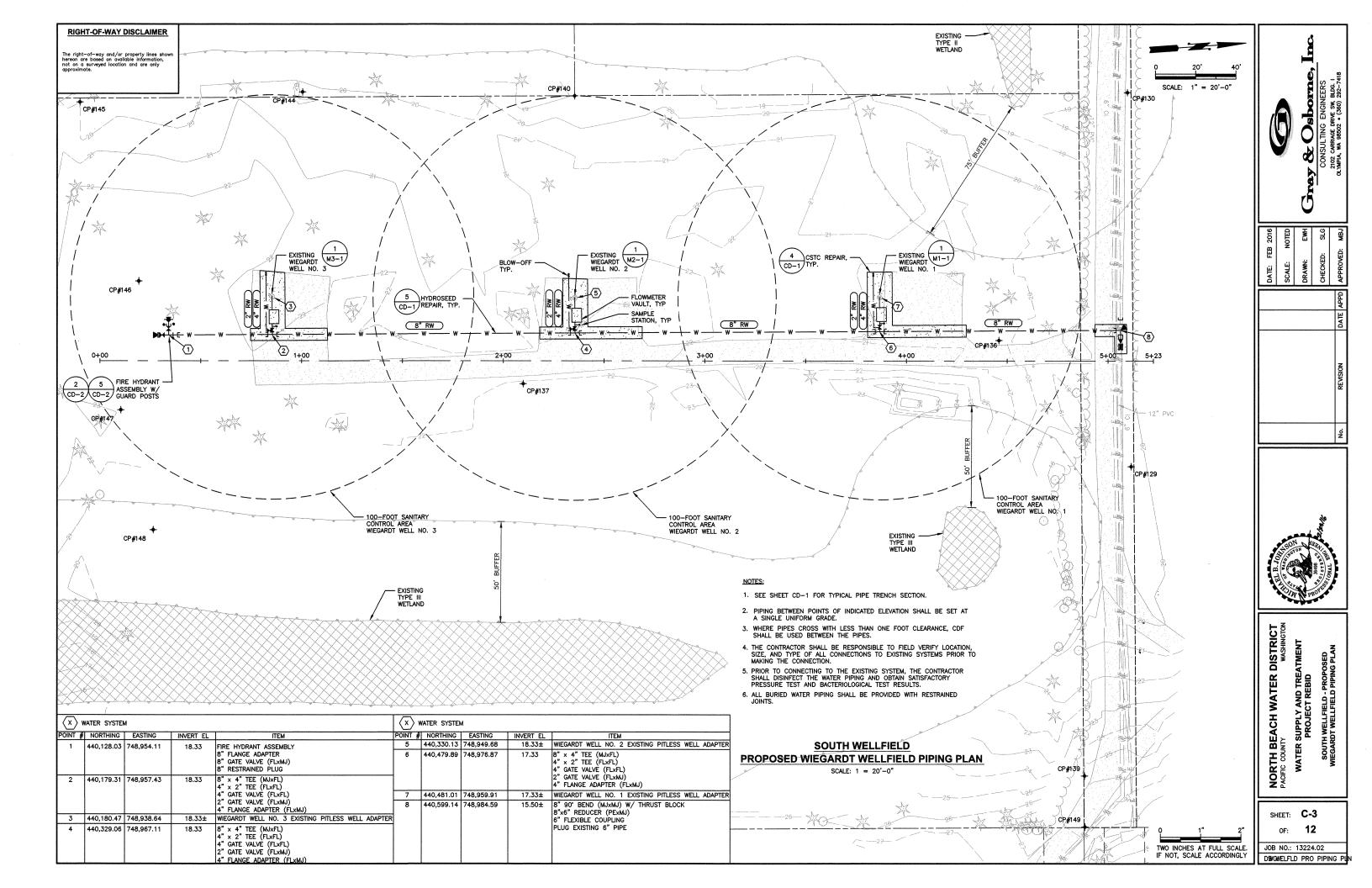


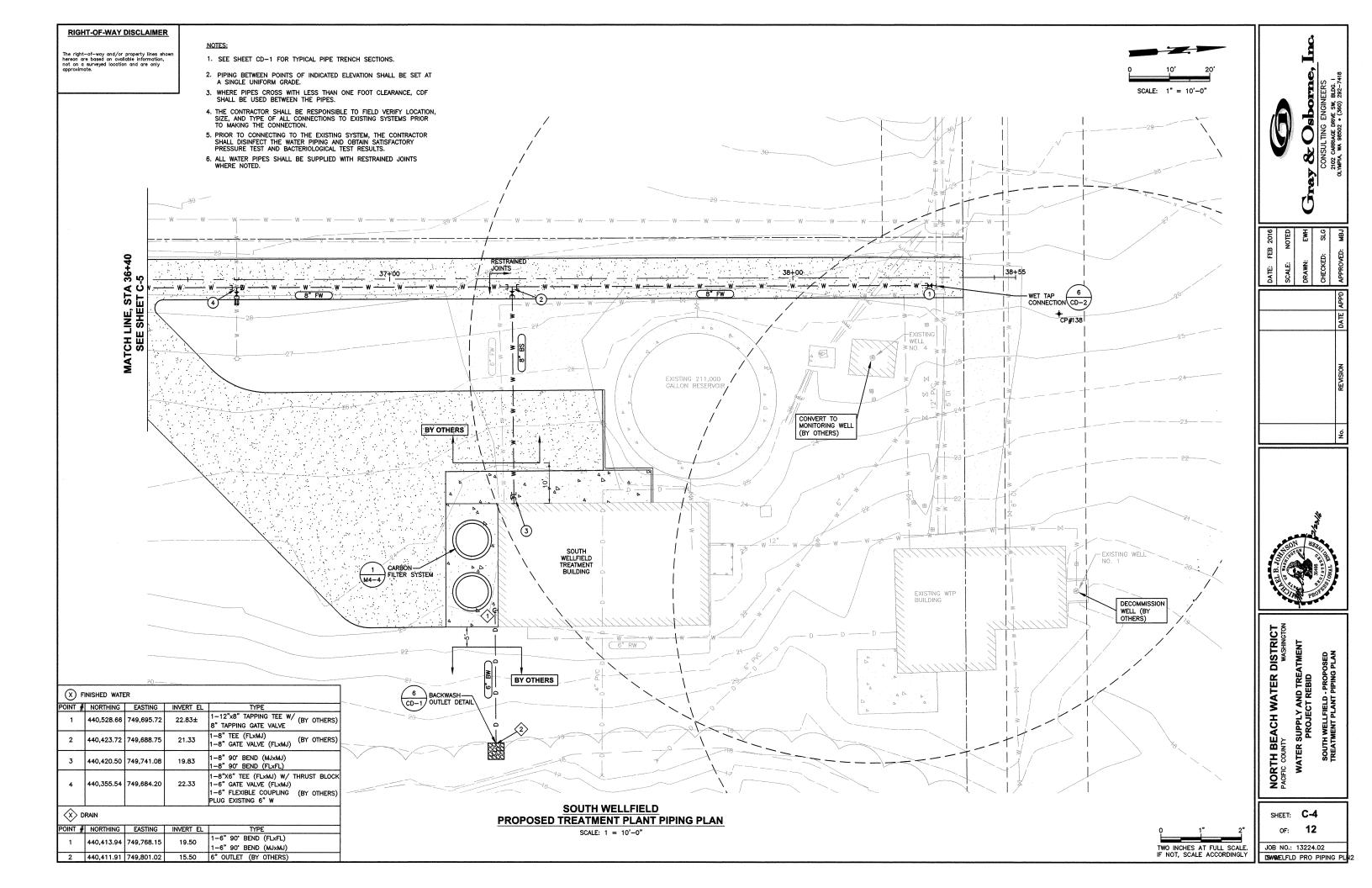


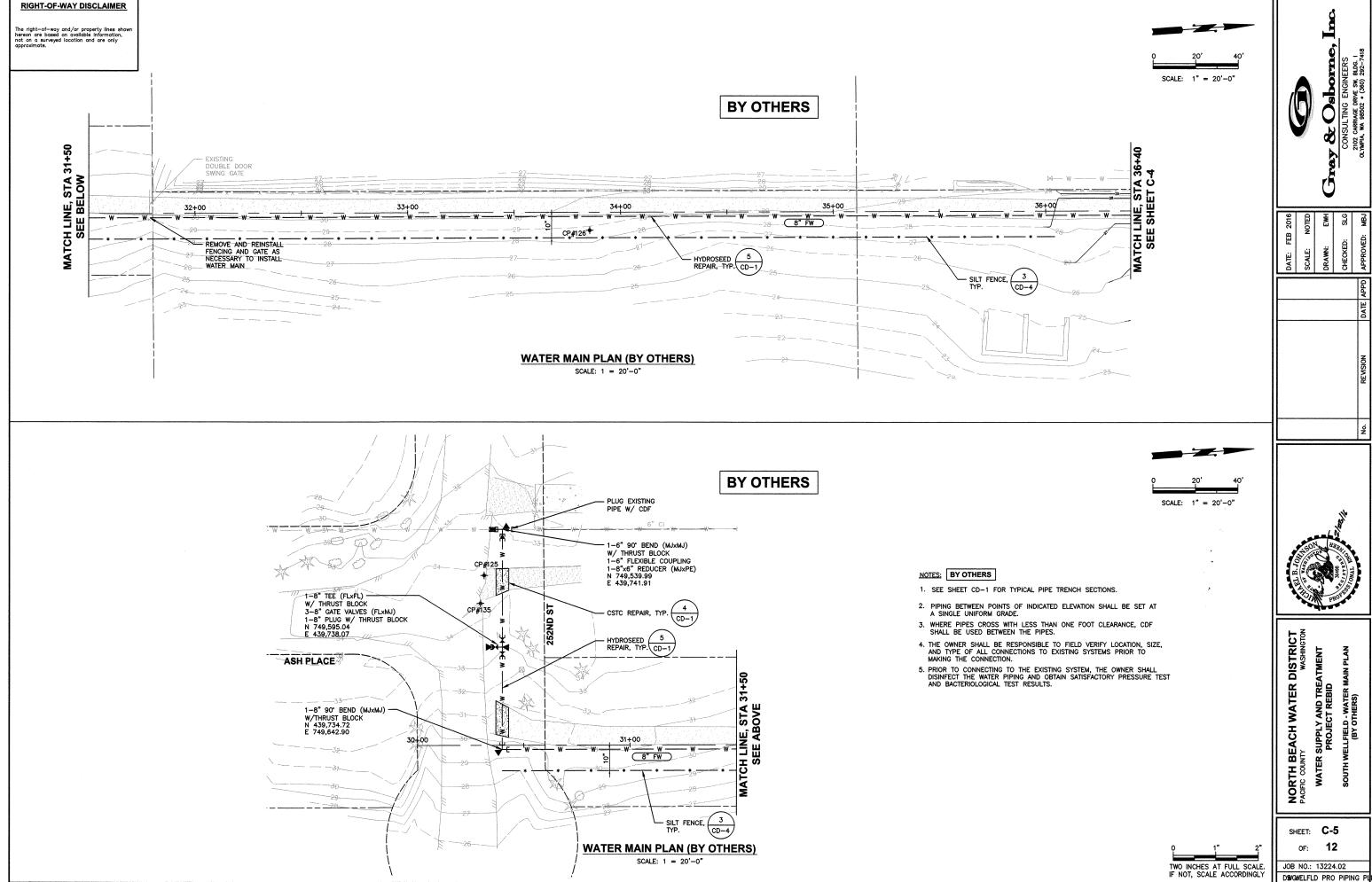






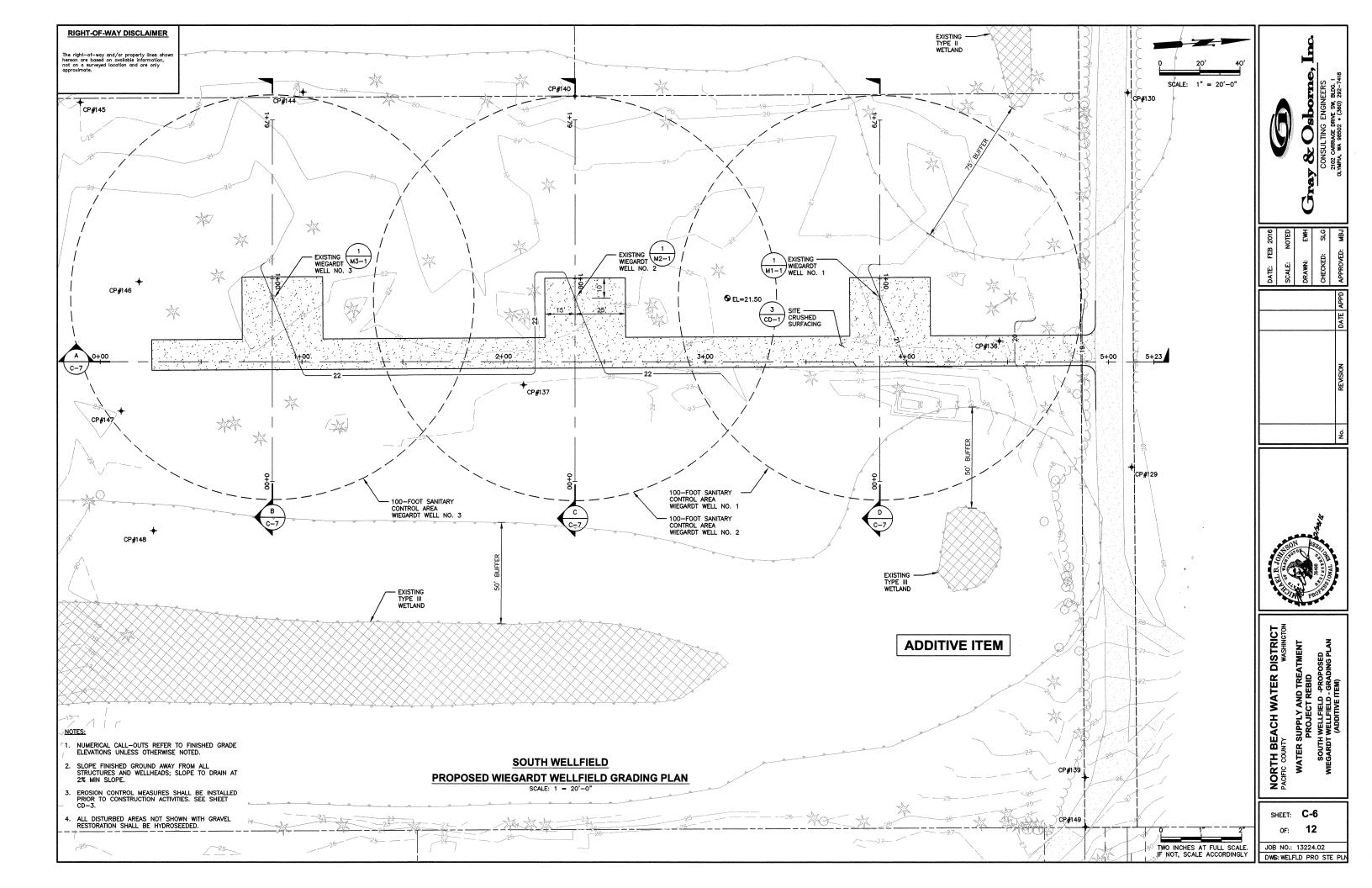


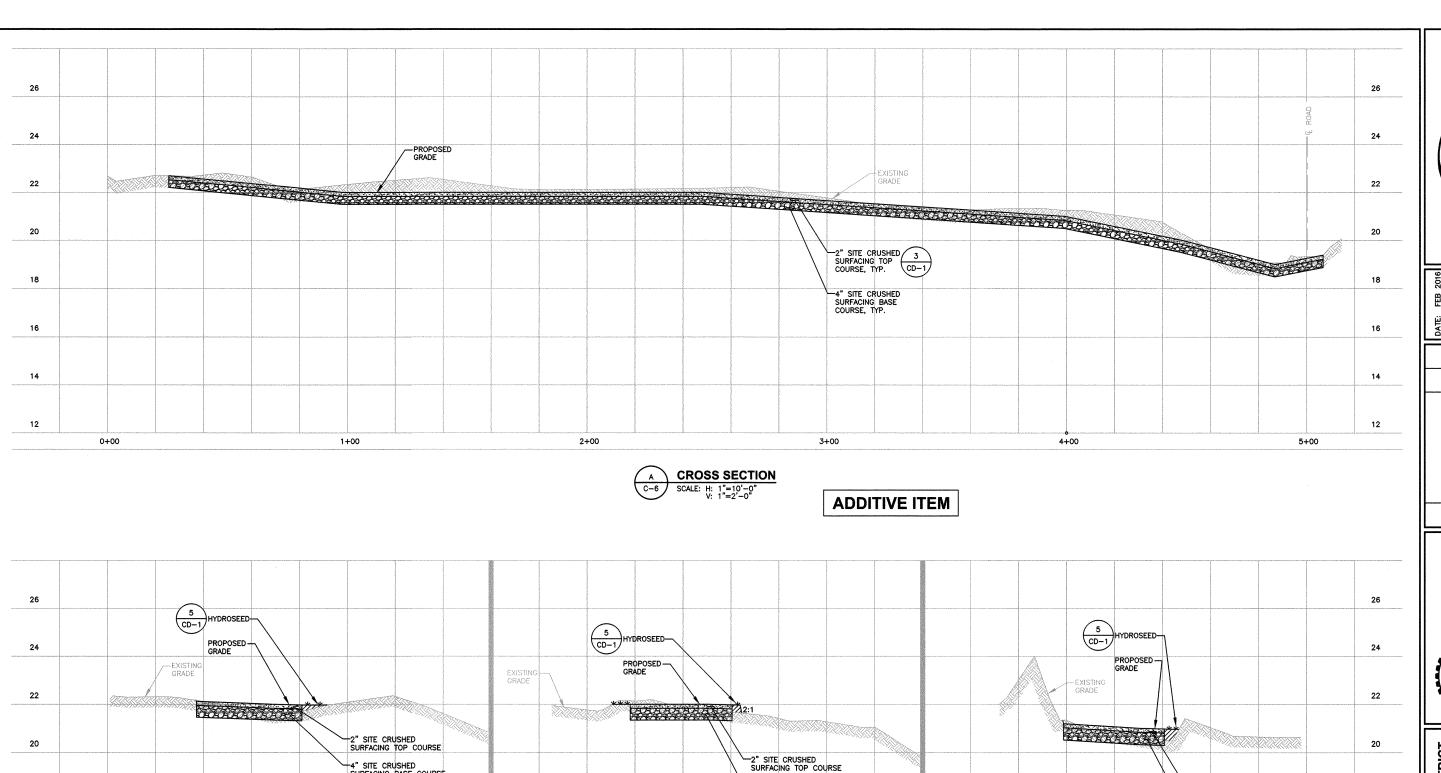




SHEET: C-5

JOB NO.: 13224.02





-4" SITE CRUSHED SURFACING BASE COURSE

0+00

1+00

CROSS SECTION

C-6 SCALE: H: 1"=10'-0"
V: 1"=2'-0"

4" SITE CRUSHED SURFACING BASE COURSE

0+00

1+00

B CROSS SECTION C-6 SCALE: H: 1"=20'-0" V: 1"=2'-0"

16

0+00

NORTH BEACH WATER DISTRICT PACIFIC COUNTY WASHINGTON WATER SUPPLY AND TREATMENT
PROJECT REBID
SOUTH WELLFIELD - PROPOSED
WIEGARDT WELLFIELD - SECTIONS
(ADDITIVE ITEM)

SHEET: C-7 12

JOB NO.: 13224.02

SWEELFLD WELLFIELD SECTION

TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

18

16

-2" SITE CRUSHED SURFACING TOP COURSE

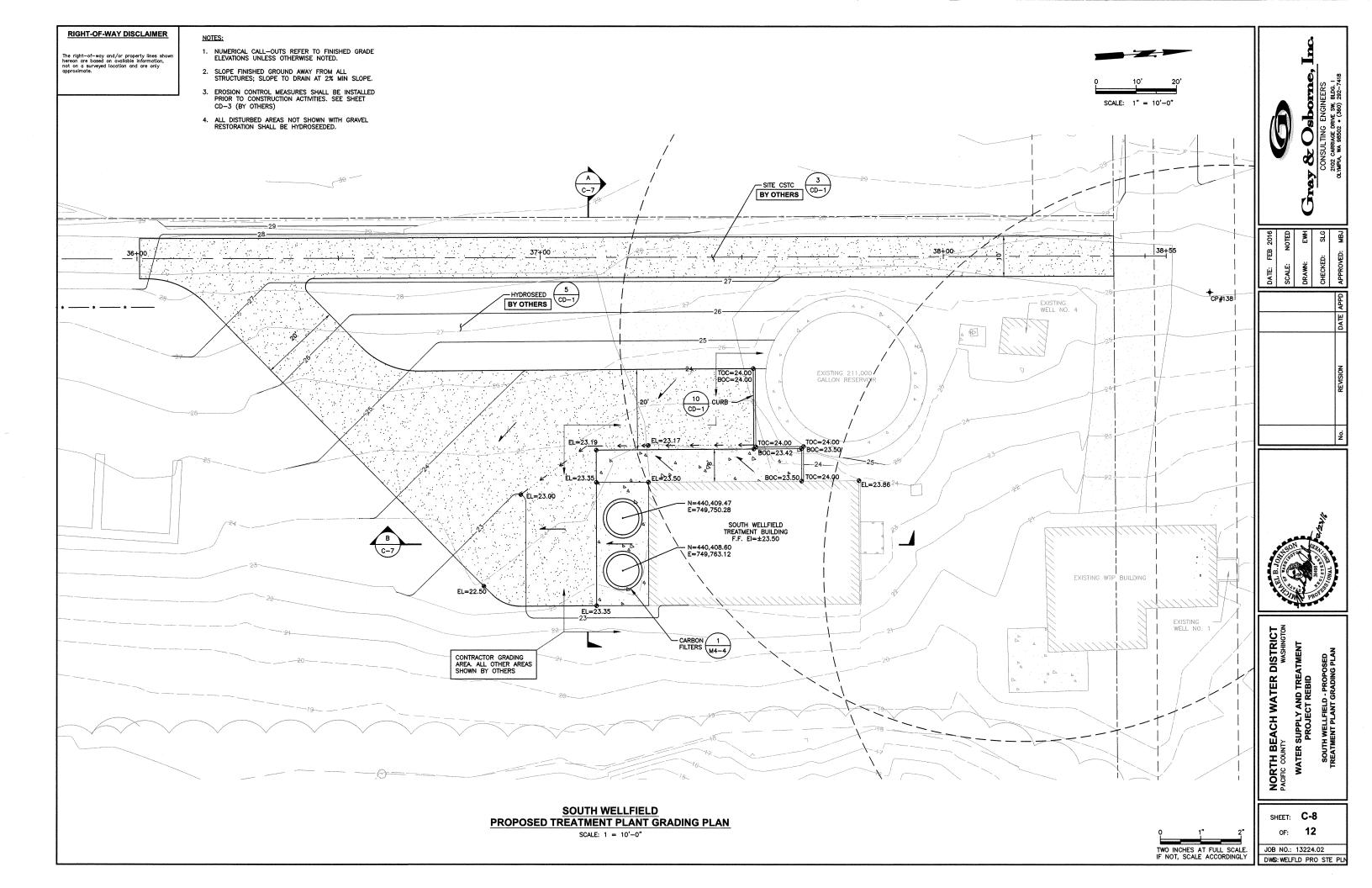
-4" SITE CRUSHED SURFACING BASE COURSE

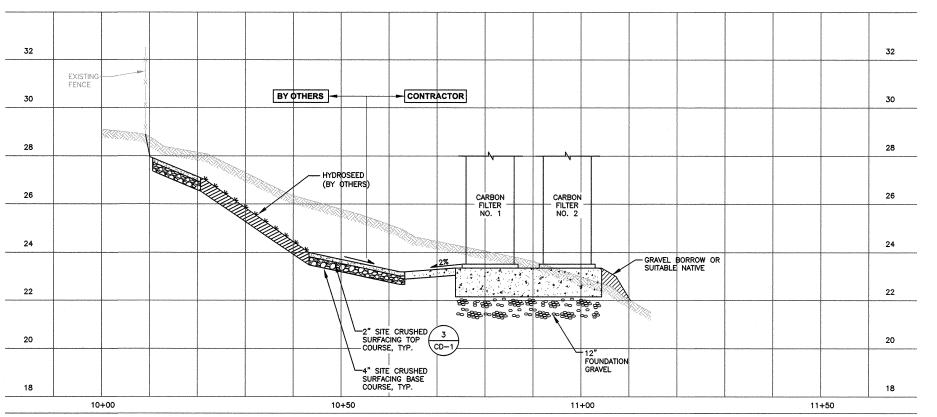
1+00

D CROSS SECTION

C-6 SCALE: H: 1"=10'-0"

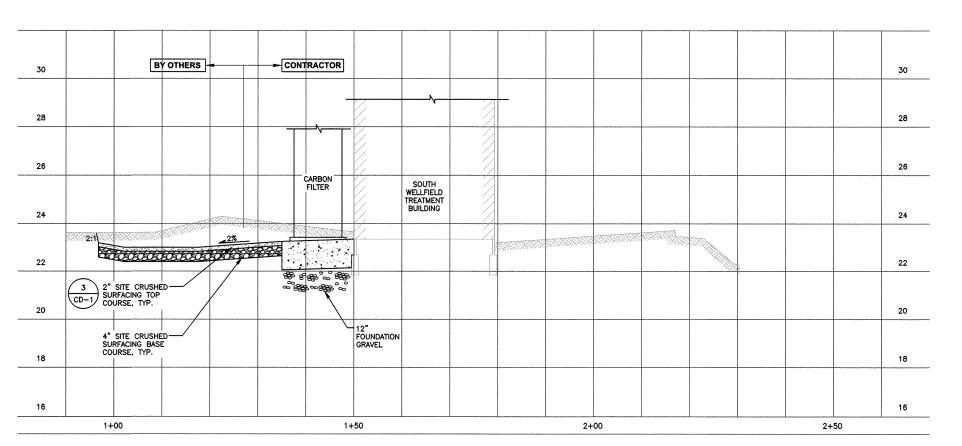
V: 1"=2'-0"



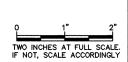


CROSS SECTION

C-6 SCALE: H: 1"=10'-0"
V: 1"=2'-0"







SCALE: NOTED

SCALE: NOTED

DRAWN: EWH

CHECKED: SLG

CHECKED: SLG

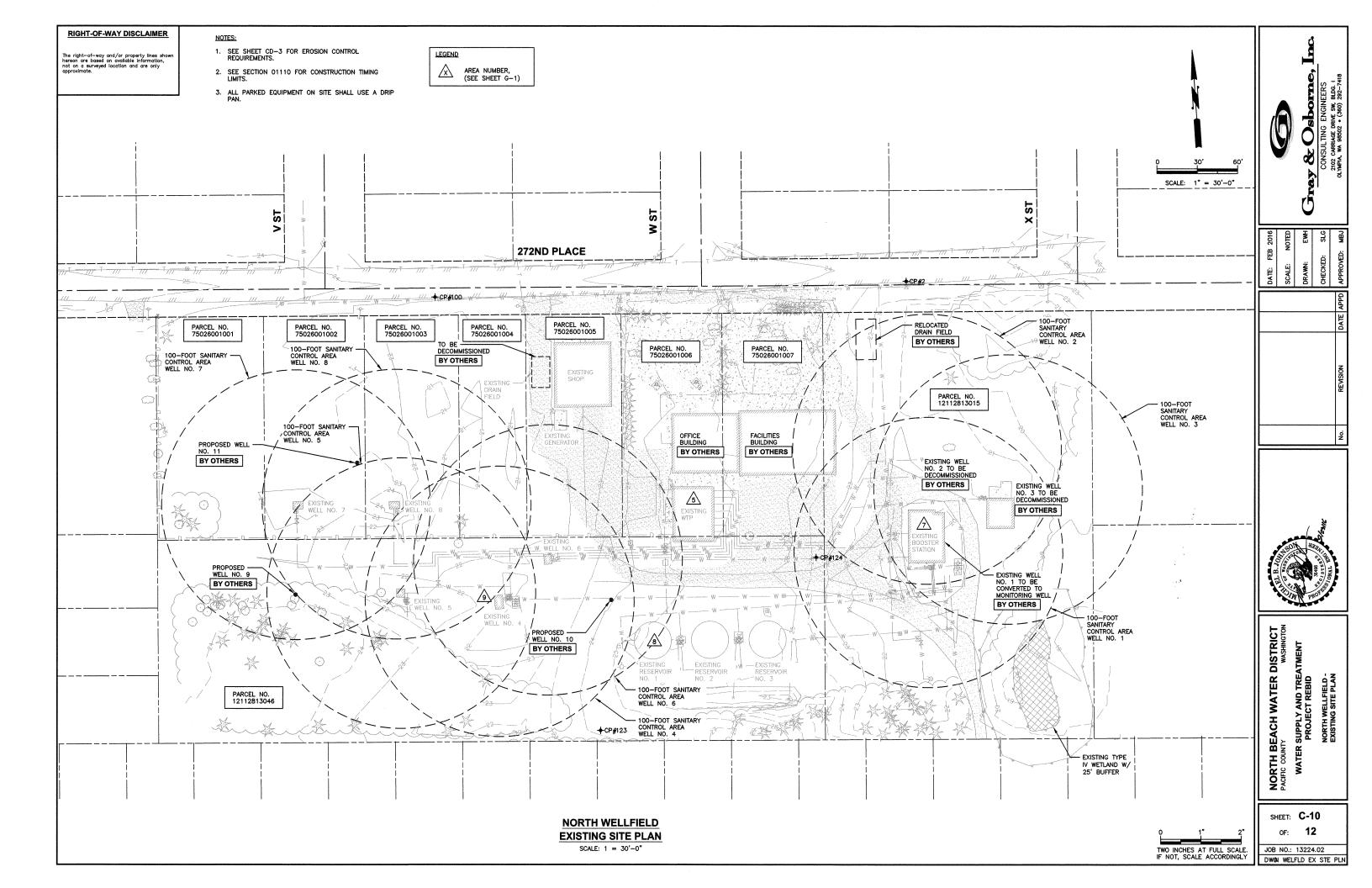
APPROVED: MBJ

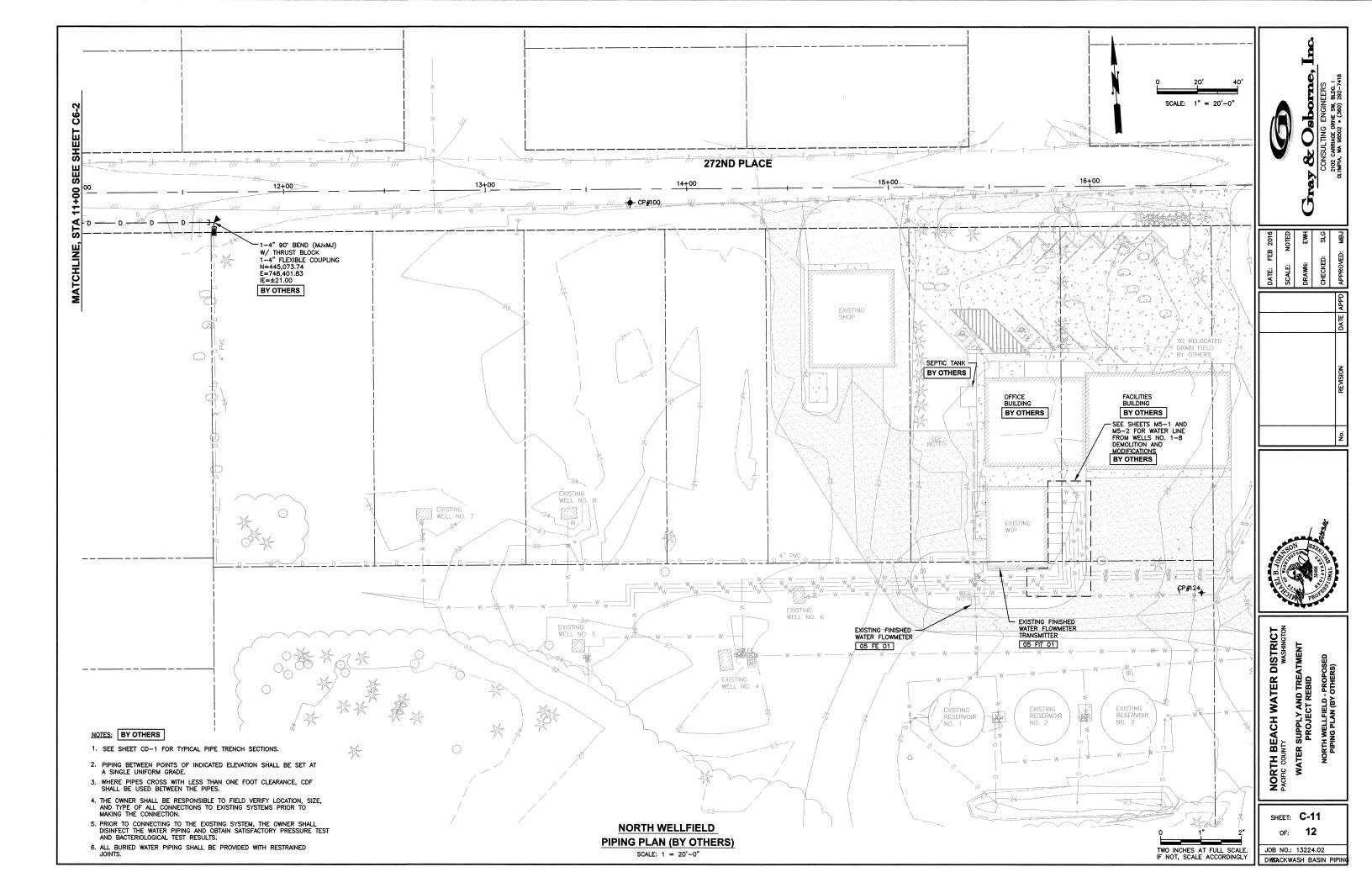


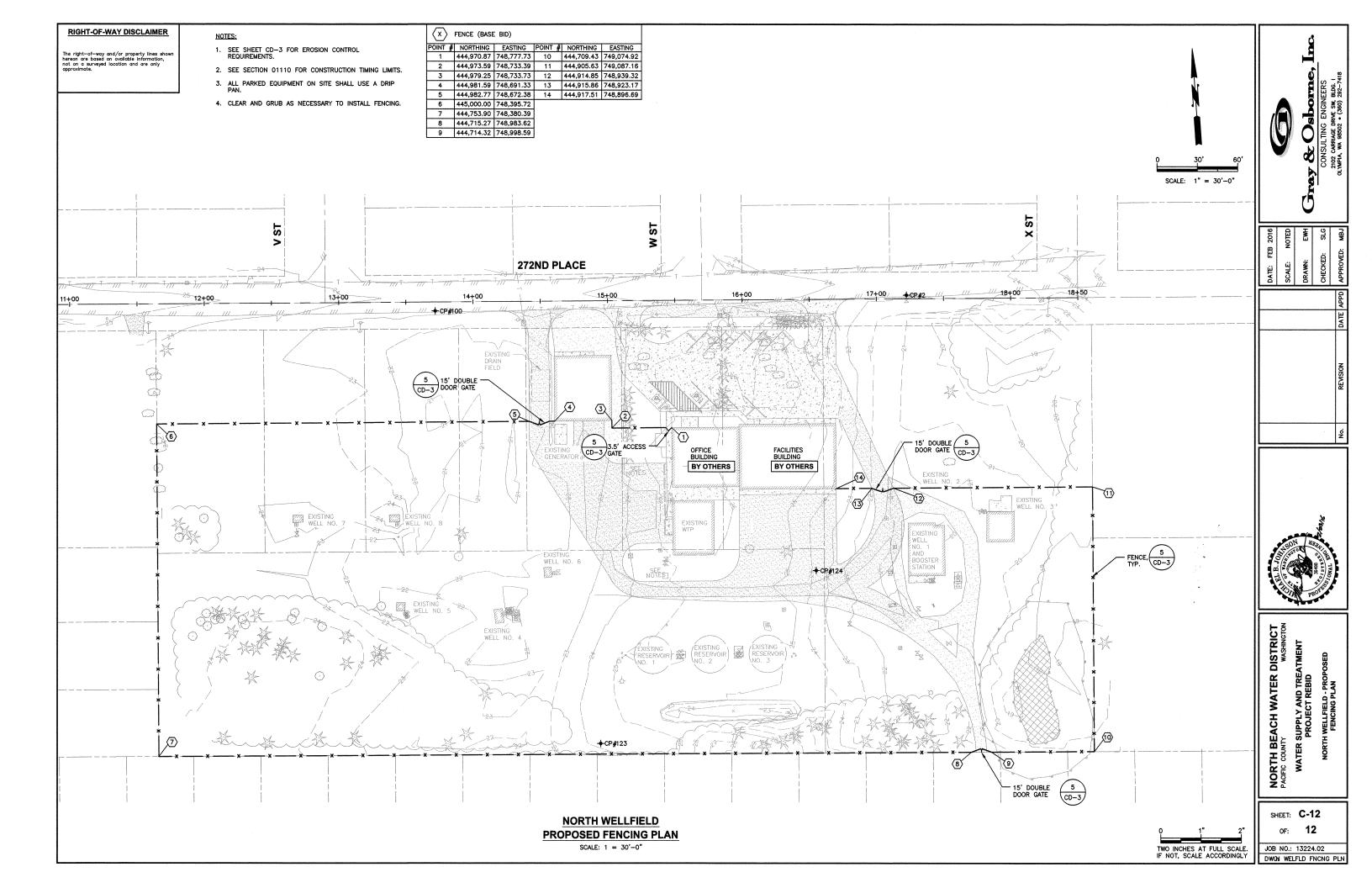
NORTH BEACH WATER DISTRICT
PACIFIC COUNTY
WATER SUPPLY AND TREATMENT
PROJECT REBID
SOUTH WELLFIELD - PROPOSED
TREATMENT PLANT SECTIONS

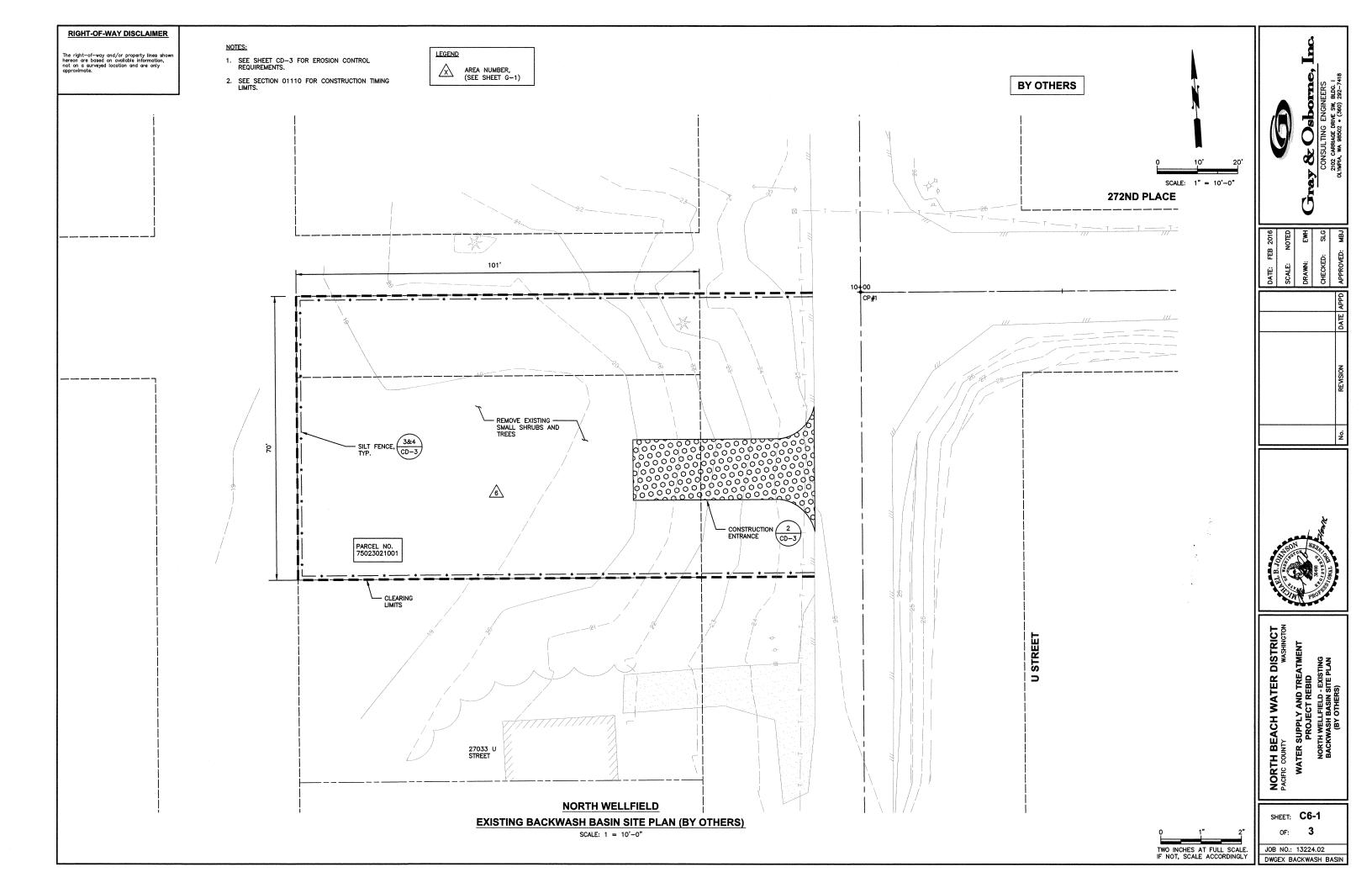
SHEET: **C-9**OF: **12**

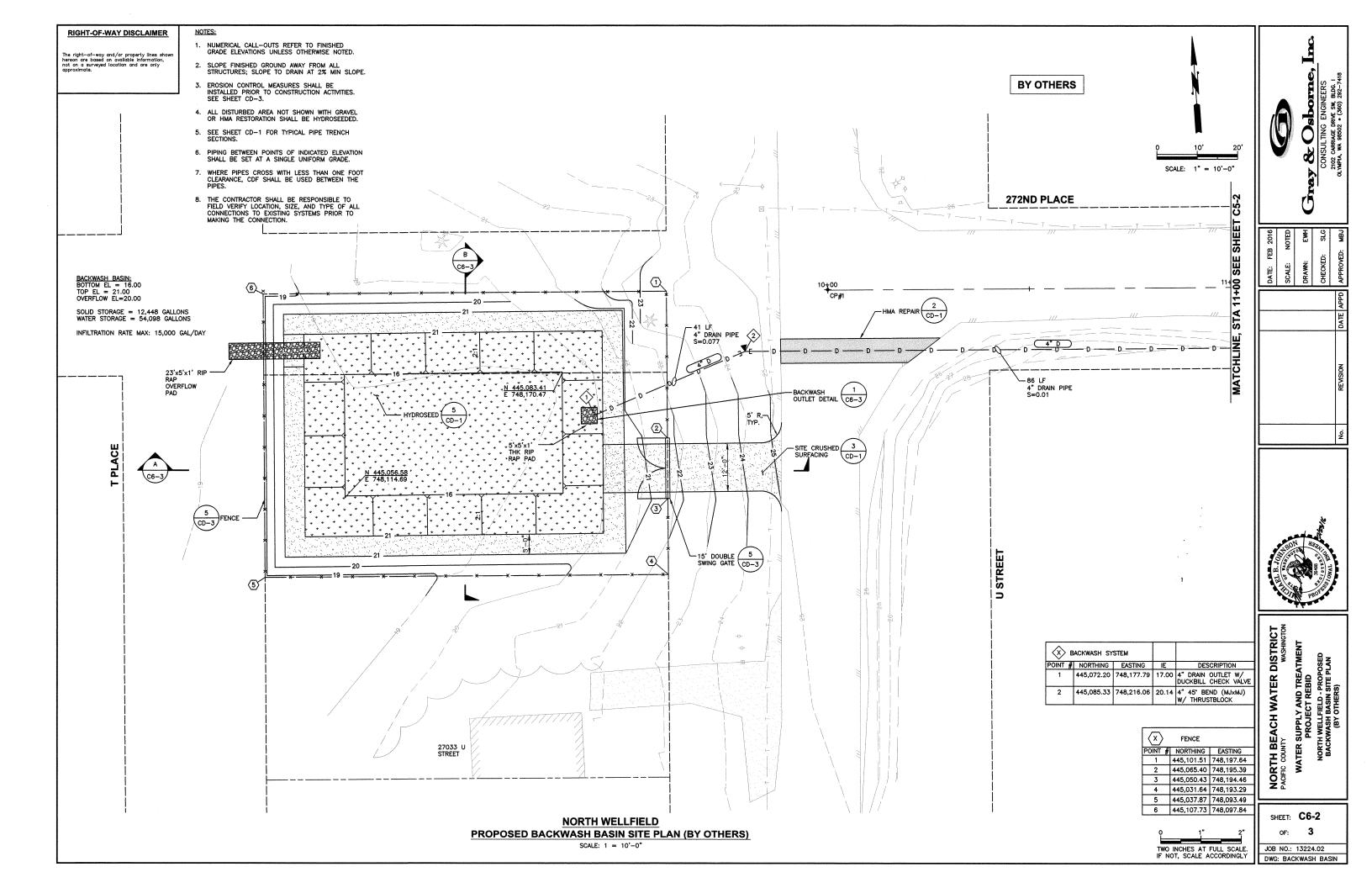
JOB NO.: 13224.02 DWG: S WELFLD SECTION





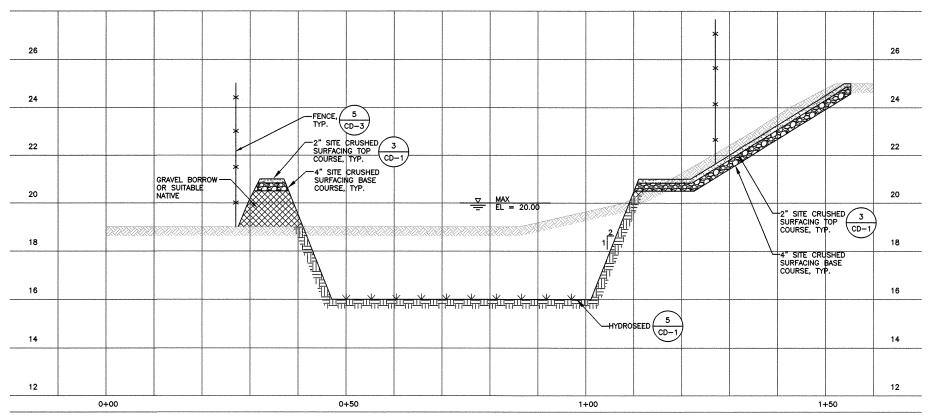






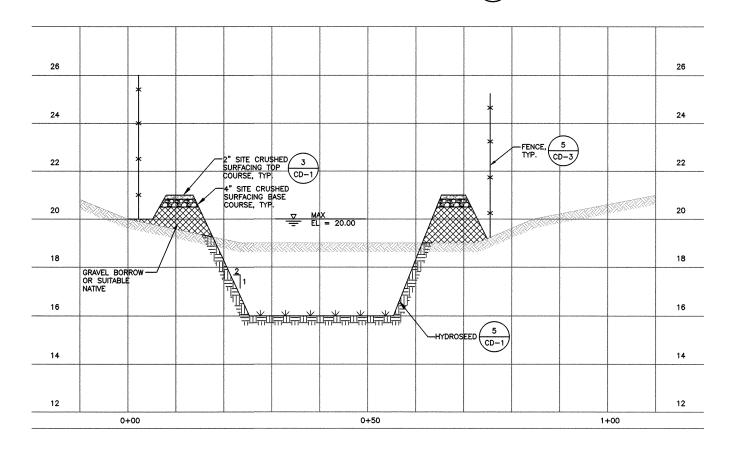
RIGHT-OF-WAY DISCLAIMER

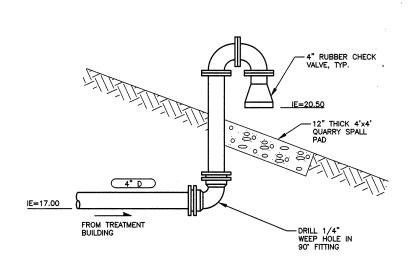
The right-of-way and/or property lines shown hereon are based on available information, not on a surveyed location and are only approximate.



A CROSS SECTION (BY OTHERS)

C6-2 SCALE: H: 1"=10'-0"



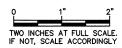


BACKWASH OULET DETAIL (BY OTHERS)

NOT TO SCALE

NOTE:
BACKWASH BASIN BOTTOM AND SIDE SLOPES SHALL BE HYDROSEED WITH 6" IMPORT TOPSOIL.

B CROSS SECTION (BY OTHERS)
C6-2 SCALE: H: 1"=10'-0"

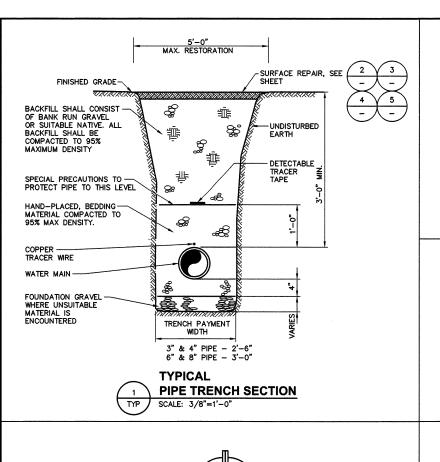


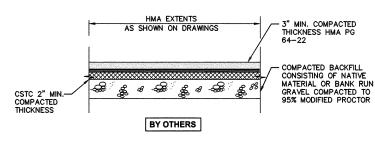
BY OTHERS

NORTH BEACH WATER DISTRICT
PAGFIC COUNTY
WATER SUPPLY AND TREATMENT
PROJECT REBID
NORTH WELLFIELD - PROPOSED
BACKWASH BASIN SECTIONS
(BY OTHERS)

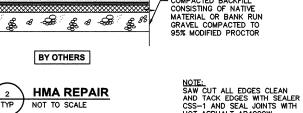
SHEET: **C6-3**OF: **3**

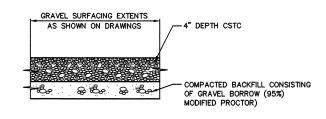
JOB NO.: 13224.02 DWG: BACKWASH BASIN





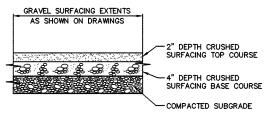
HMA REPAIR







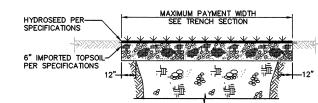






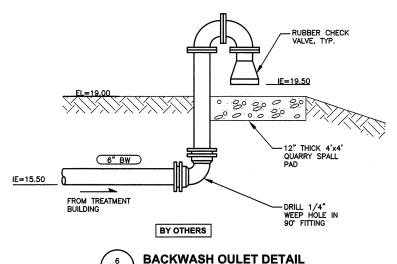
TO EXCAVATION

-UNDISTURBED

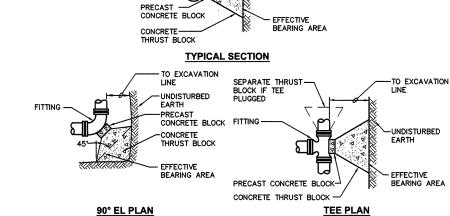


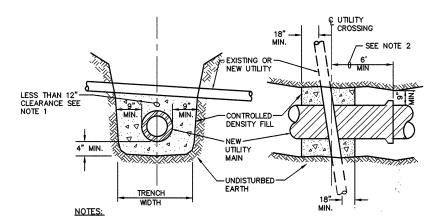
NOTE:
BACKWASH BASIN BOTTOM AND SIDE SLOPES SHALL BE HYDROSEED WITH 6" IMPORTED TOPSOIL.





NOT TO SCALE

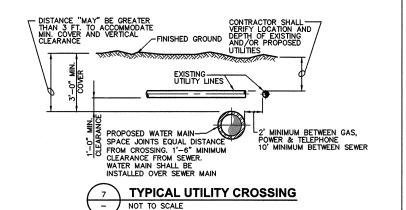


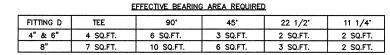


1. CONTRACTOR SHALL PROVIDE CDF PIPE ENCASEMENT AT ALL EXISTING UTILITY CROSSINGS IN THE EVENT THAT A 12" SEPARATION CANNOT BE PROVIDED. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE SITE UTILITIES TO ANTICIPATE PROVIDING AND INSTALLING CDF ENCASEMENTS WHERE

2. CONTRACTOR SHALL NOT CONSTRUCT ANY NEW PIPE JOINT WITHIN 6 FEET OF THE EXISTING CENTERLINE OF THE UTILITY CROSSING.







TYPICAL FOR SANDY SOIL WITH 2,000 P.S.F. BEARING STRENGTH & 100 P.S.I. WORKING PRESSURE. ADJUST BEARING AREA BY PRESSURE & SOIL BEARING CAPACITY. USE TEE FOR DEAD ENDS.

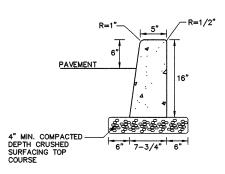
NOTES:

1. BLOCKING SHALL BE TO SOLID BEARING SURFACE.

FITTING ·

- 2. FITTING SHALL BE PROTECTED WITH A POLYTHLENE ENCASEMENT.
- 3. BEARING AREA SHALL BE PROPORTIONALLY INCREASED WITH PRESSURES IN EXCESS OF 100 P.S.I OR IN SOIL CONDITIONS WITH LESS THAN 2,000 P.S.F BEARING STRENGTH.
- 4. ALL BLOCKS ON TEES SHALL BE SEPARATED FOR DIRECTION OF THRUST.





CEMENT CONCRETE BARRIER CURB NOT TO SCALE



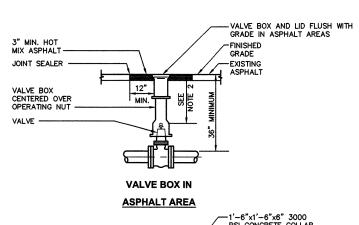
CHECKED: APPROVED

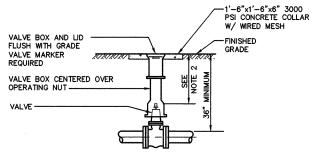
SCALE:

NORTH BEACH WATER DISTRICT
PACIFIC COUNTY WASHINGTON SUPPLY AND TREATMENT PROJECT REBID

SHEET: CD-1 3 OF:

JOB NO.: 13224.02 DWG: DETAILS1



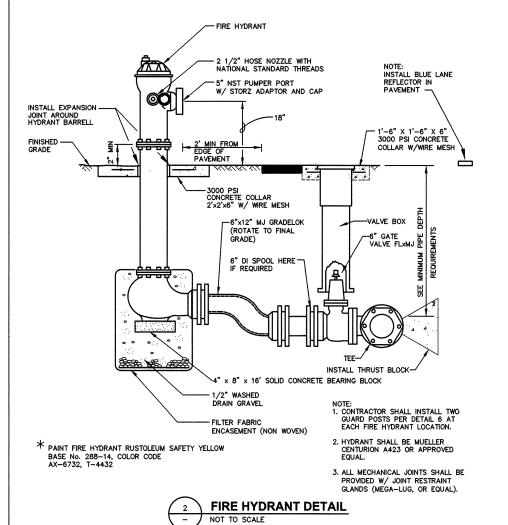


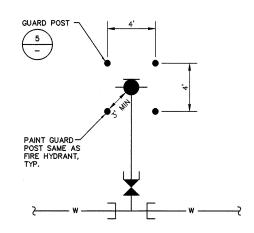
VALVE BOX IN UNIMPROVED AREA (VALVE MARKER REQUIRED)

NOTES:

- 1. EACH VALVE SHALL BE PROVIDED WITH AND ADJUSTABLE CAST IRON VALVE BOX OF 5 INCHES (5") INSIDE DIAMETER. VALVE BOXES SHALL HAVE A TOP SECTION WITH AN EICHTEEN INCH (18") MIN. LENGTH. THE VALVE BOX SHALL BE TYLER W/ 3034 RISER, OR EQUAL. VALVE BOX EARS SHALL BE PLACED IN LINE WITH PIPE IT SERVES.
- 2. 18" MINIMUM, 24" MAXIMUM DEPTH TO OPERATOR NUT. PROVIDE VALVE STEM EXTENSION AS REQUIRED.



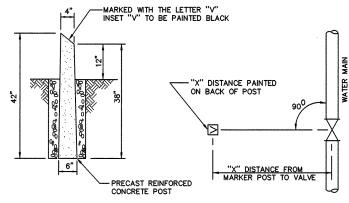




NOTE: CONTRACTOR SHALL INSTALL ONLY 2 GUARD POSTS AT EACH LOCATION.

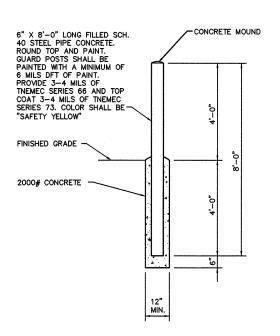


HYDRANT LAYOUT NOT TO SCALE

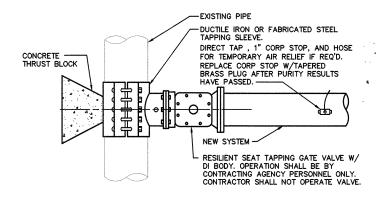


- 1. PRECAST REINFORCED POST TO BE PAINTED FLAT TRAFFIC YELLOW #2612 OR SAFETY
- 2. THE DISTANCE FROM THE MARKER POST TO THE WATER MAIN SHALL BE PAINTED ON THE BACKSIDE OF THE MARKER POST IN BLACK WITH A 2" HIGH NUMBER.
- 3. VALVE MARKER POST SHALL BE REQUIRED WHENEVER THE WATER VALVE IS LOCATED IN AN UNPAVED AREA.
- THE POST WILL ALSO BE REQUIRED FOR BLOW-OFF IN THE SAME CONDITION AS WATER VALVES.









- 1. SIZE-ON-SIZE TAPPING TEES SHALL BE DUCTILE IRON MECHANICAL SLEEVE.
- TAPPING TEES SHALL BE PRESSURE TESTED TO 200 PSI.
- CONNECTIONS NOT ALLOWED ON FRIDAYS, HOLIDAYS, DAY BEFORE HOLIDAYS, OR WEEKENDS.

BY OTHERS





NOTED	EWH	SLG	MBJ
SCALE: N	DRAWN:	снескер:	APPROVED:
			G

APF	DATE APPD	DATE	REVISION	No.
5				
DR.				
SS				



NORTH BEACH WATER DISTRICT
PACIFIC COUNTY
WASHINGTON SUPPLY AND TREATMENT PROJECT REBID

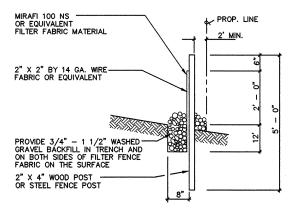
SHEET: CD-2

3 OF:

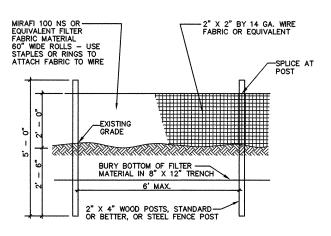
JOB NO.: 13224.02 DETAILS2 DWG:

EROSION/SEDIMENTATION CONTROL NOTES

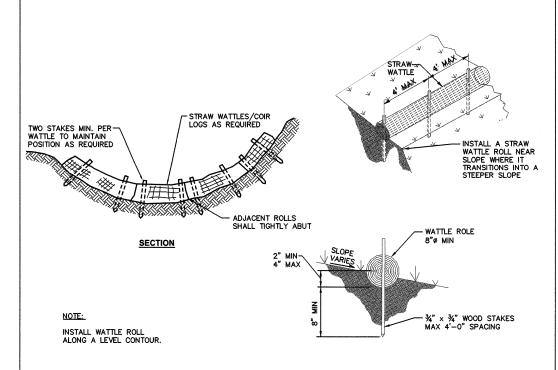
- ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION SHALL BE OBSERVED DURING CONSTRUCTION.
- 2. ALL REQUIRED SEDIMENTATION/EROSION CONTROL FACILITIES MUST BE IN OPERATION PRIOR TO LAND CLEARING AND/OR OTHER CONSTRUCTION TO INSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND /OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON—SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT AND ADDITIONS TO EROSION/SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THE DRAWINGS ARE IDENTIFIED IN SENSITIVE AREAS. NOT ALL EROSION CONTROL MEASURE ARE DEPICTED ON THE DRAWINGS. THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE BMPS THROUGHOUT THE ENTIRE WATER MAIN PROJECT. AS CONSTRUCTION PROGRESSES AND AS UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHOULD ANTICIPATE THAT MORE EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE NECESSARY TO INSURE COMPLETE SILTATION CONTROL ON THE PROPOSED SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND THE WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM.
- 4. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF THE SEDIMENT. ALL CATCH BASINS, CONVEYANCE LINES AND DITCHES SHALL BE CLEANED PRIOR TO PAVING.
- 5. THE CONTRACTOR SHALL REMOVE MATERIAL DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE COUNTY RIGHT-OF-WAY OR INTO THE EXISTING STORM DRAINAGE SYSTEM. DEBRIS SHALL NOT BE WASHED INTO THE STORM DRAINAGE SYSTEM.
- 6. TEMPORARY EROSION CONTROL FACILITIES SHALL BE INSPECTED WEEKLY AND MAINTAINED WITHIN 24 HOURS FOLLOWING A STORM EVENT. SEDIMENT SHALL BE REMOVED TO INSURE THE FACILITIES WILL FUNCTION PROPERLY. THE FACILITIES SHALL BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
- 7. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- 8. NO DISTURBED SOIL SHALL REMAIN UNSTABILIZED FOR MORE THAN TWO DAYS.



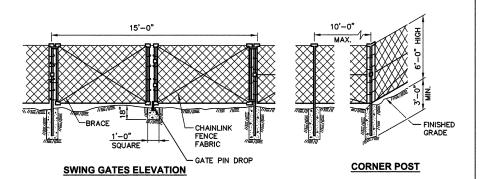




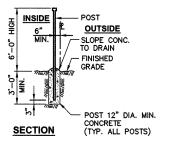








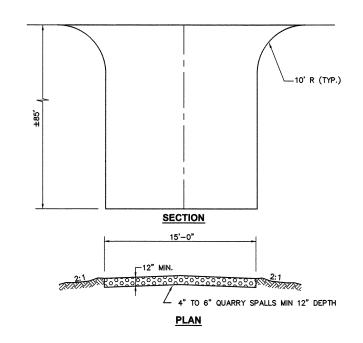
FENCE AND GATE DETAIL

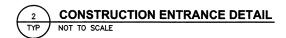


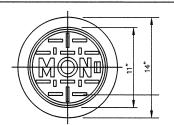
NOTES:

- CHAINLINK FENCE & DOUBLE SWING GATES SHALL BE FURNISHED & INSTALLED ACCORDING TO THE WASHINGTON STATE DEPARTMENT OF TRANSPORATION STANDARD PLAN L-20.10.
- 2. CORNER POSTS SHALL BE INSTALLED AT ALL POINTS WHERE THE ALIGNMENT CHANGES 30° OR MORE.
- 3. CONTRACTOR SHALL PROVIDE KNOX PADLOCK PER THE SPECIFICATIONS.
- 4. GATE SHALL HAVE A MINIMUM OF 6-INCH OF CLEARANCE BETWEEN BOTTOM GRADE AND THE TRAVELED SURFACE, THROUGH ITS ENTIRE OPERATING ARC.



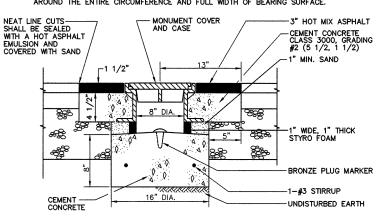






NOTES:

- 1. ALL EXISTING SURVEY MONUMENTS SHALL BE PRESERVED IN ACCORDANCE WITH WAC 332—120. SHOULD A MONUMENT NEED TO BE DISTURBED IN ORDER TO CONSTRUCT THE IMPROVEMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER AND SHALL NOT DISTURB THE MONUMENT UNTIL THE CONTRACTOR HAS SUBMITTED AN APPLICATION TO THE DEPARTMENT OF NATURAL RESOURCES. ALL MONUMENTS SHALL BE REESTABLISHED PER THIS DETAIL.
- CASTINGS FOR MONUMENT CASES, COVERS, AND RISERS SHALL BE GRAY IRON CASTINGS CONFORMING TO THE REQUIREMENTS OF AASHTO M 105, CLASS 30B.
- 3. THE COVER AND SEAT SHALL BE MACHINED SO AS TO HAVE PERFECT CONTACT AROUND THE ENTIRE CIRCUMFERENCE AND FULL WIDTH OF BEARING SURFACE.









SCALE: NOTED

SCALE: NOTED

DRAWN: EWH

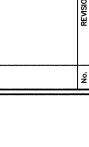
CHECKED: SLG

CHECKED: SLG

APPP

APPP

APPROVED: MBJ



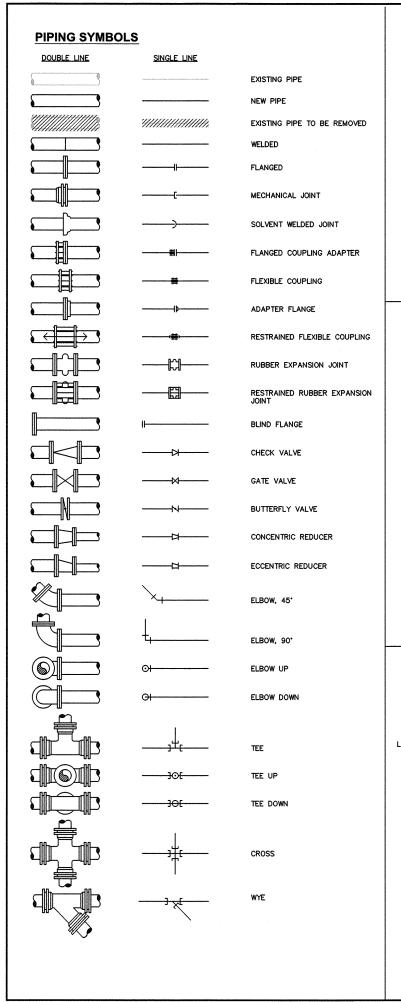


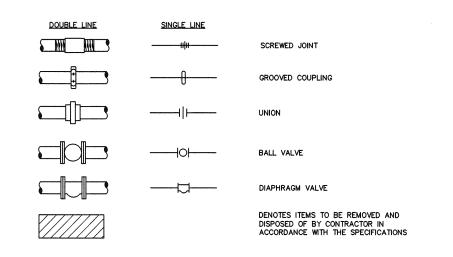
NORTH BEACH WATER DISTRICT
PACHIC COUNTY
WATER SUPPLY AND TREATMENT
PROJECT REBID

SHEET: CD-3

OF: 3

JOB NO.: 13224.02 DWG: EROSION CONTROL





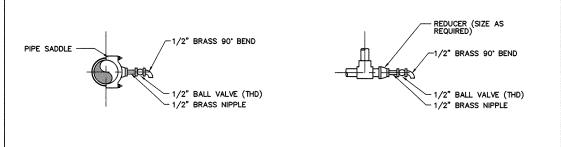
PIPING MATERIAL AND JOINTING SCHEDULE

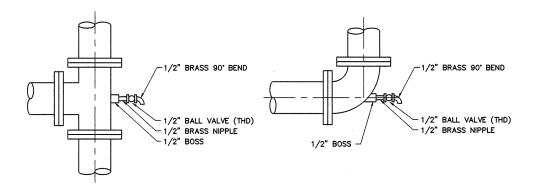
(EXCEPT WHERE SHOWN DIFFERENTLY ON THE DRAWINGS)

PROCESS PIPING CODE (SEE THIS SHEET)	INSIDE STRUCTURES	BURIED
RW WTW BW CF FW FTW BS CD	FLANGED OR GROOVED DUCTILE IRON	RESTRAINED MECHANICAL JOINT DUCTILE IRON
SS FC PG	SOLVENT WELDED PVC SCHEDULE 80	WELDED HDPE
W ≤ 2"	THREADED/SOLDERED COPPER	WELDED HDPE
D < 4"	SOLVENT WELDED PVC	CAST IRON (NO HUB)
D ≥ 4"	FLANGED OR GROOVED DUCTILE IRON	MECHANICAL JOINT DUCTILE IRON
RW ≤ 2"	SCHEDULE 80 PVC (W OR THD)	WELDED HDPE

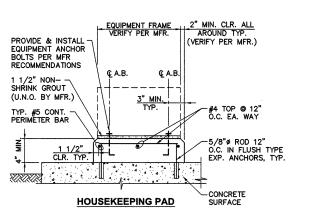
PROCESS PIPING / EQUIPMENT IDENTIFICATIONS

PROCESS PIPING	EQUIPMENT		
LINE SIZE PROCESS TYPE SEE LIST BELOW	EQUIPMENT TYPE (SEE LIST BELOW) AREA EQUIPMENT NUMBER (SEQUENTIAL LISTING)		
PROCESS	EQUIPMENT		
BS BACKWASH SUPPLY BW BACKWASH WATER CD CARBON DRAIN CF CARBON FILL CW COLD WATER D DRAIN FC FERRIC CHLORIDE FW FINISHED WATER FTW FILTER TO WASTE HW HOT WATER PG POTASSIUM PERMANGANATE	CF CARBON FILTER CT CONTACT TANK FCT FERRIC CHLORIDE TOTE MP METER PUMP ST SATURATOR WP WELL PUMP WH WATER HEATER YALVES AV COMBINATION AIR/VAC VALVE CV CONTROL VALVE		
PG POLIASSIUM PERMANGANATE RW RAW WATER S SAMPLE SS SANITARY SEWER W WATER WTW WELL TO WASTE P PRESSURE GAUGE PT PRESSURE TRANSDUCER S SAMPLE TAP	INSTRUMENTS / ANALYZERS FE FLOW METER FIT FLOW INDICATOR/TRANSMITTER LS LEVEL SWITCH LT LEVEL TRANSDUCER PS PRESSURE SWITCH PT PRESSURE TRANSDUCER P PRESSURE GAUGE WM WATER SERVICE METER		

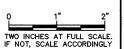










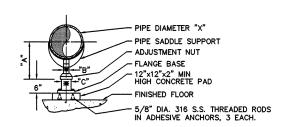


NORTH BEACH WATER DISTRICT
PACIFIC COUNTY WASHINGTON

DRAWN:

SHEET: M-1

JOB NO.: 13224.02 DWG: WELL_PMP_PLNS



PIPE SIZE "X"	MIN. LENGTH "A"	MAX. LENGTH "A"	PIPE DIAM. "B"	PIPE DIAM. "C"
4"	9 1/4"	1'-2"	2 1/2"	3"
6"	10 1/2"	1'-3 1/4"	2 1/2"	3"
8"	11 3/4"	1'-4 1/2"	2 1/2"	3"

 $\frac{\mathsf{NOTES}}{\mathsf{1.}}$ PIPE SUPPORT SHALL BE "ANVIL" FIG. 264 OR EQUAL.

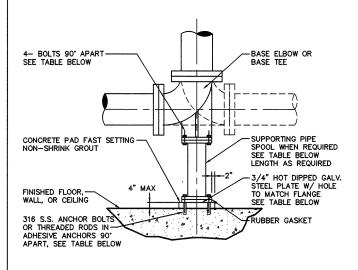
PIPE "C" TO BE SET IN THREADED FLANGE BASE AND WELDED ALL AROUND.

PIPE SUPPORT TYPE C

ALL STEEL NOT STAINLESS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.

NOT TO SCALE

TYP



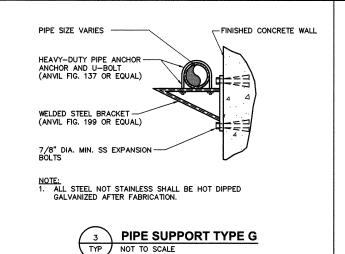
BASE TEE OR ELBOW DIA.	BOLT OR ROD DIA.	SUPPORTING PIPE SPOOL DIA.	STEEL PLATE DIMENSIONS
4"	5/8"	2"	6" X 6"
6"	5/8"	2 1/2"	7" X 7"
8"	5/8"	4"	8" X 8"

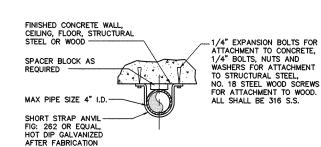
NOTES :

1. SUPPORTING PIPE SPOOL NOT REQUIRED WHEN CONCRETE PAD HAS TO BE LESS THAN 4" HIGH IN ORDER TO INSTALL A SUPPORTING PIPE SPOOL.

ALL STEEL NOT STAINLESS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.









PVC OR FRP PIPE

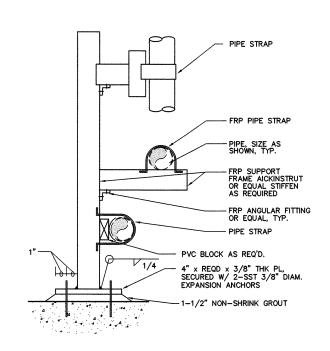
- SEALANT

-STEEL PIPE SLEEVE MIN. SCH. 20

CONCRETE WALLSEE NOTE 4

MODULAR MECHANICAL-EXPANDING RUBBER SEAL IF EXPOSED TO

1/4



NOTES:

SPLIT FLANGE-BOLT RING

NEOPRENE

- 1. ALL PARTS OF PIPE SUPPORT SHALL BE FRP.
- 2. ALL CLAMPS AND FASTENERS SHALL BE FRP OR 316 SST.

- TYP. INTERIOR

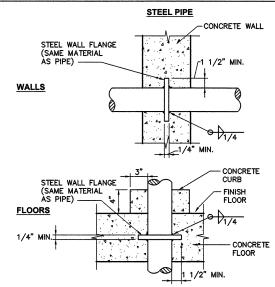
- 2x SOLID BLKG., TOE NAIL TO ADJ. STUDS

SHEATHING

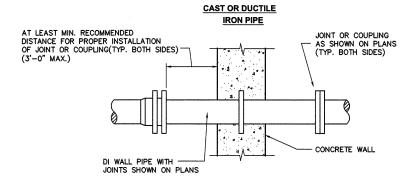
INSULATION

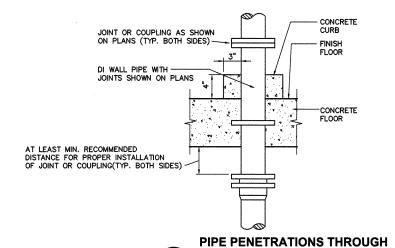
3. WRAP PIPES W/ 1/8" THK NEOPRENE GASKET.





- 2. FOR ADDITIONAL REINFORCEMENT AROUND PIPE PENETRATIONS SEE DETAIL
- 5. FOR PRE-CAST WALLS, CORE DRILL AN OPENING OF

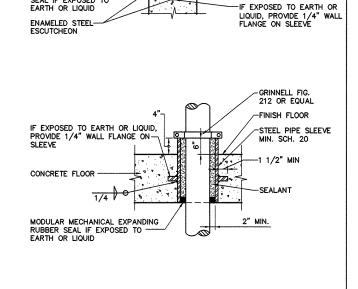




TYP

NOT TO SCALE

CONCRETE WALLS AND FLOORS DETAILS



TYP. 2x WALL PIPE PENETRATION DETAIL TYP SCALE: 3/4"=1'-0"

1. CUT OPENING IN EXISTING EXTERIOR SIDING AS NECESSARY TO INSTALL BLOCKING. REPAIR OPENING WITH NEW SIDING.



NORTH BEACH WATER DISTRICT
PACIFIC COUNTY
WASHINGTON WATER SUPPLY AND TREATMENT PROJECT REBID

PIPE SUPPORT AND PENETRATION DETAIL

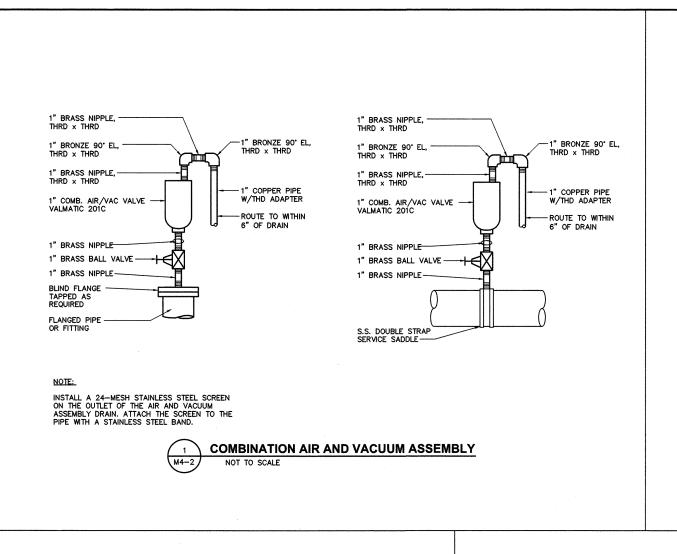
SHEET: M-2 5 OF:

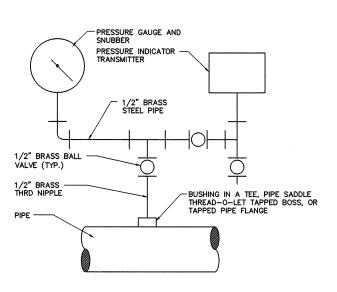
JOB NO.: 13224.02 DWG: PIPE_SUPT_DET



1. FOR EXISTING CONCRETE, CORE DRILL AN OPENING OF ADEQUATE SIZE TO ALLOW FOR INSTALLATION OF PENETRATION SHOWN ON THIS DETAIL. THE OPENING SHALL BE FILLED WITH NON-SHRINK GROUT AFTER PIPE INSTALLATION. CONCRETE SURFACES SHALL BE ROUGHENED BEFORE FILLING WITH GROUT.

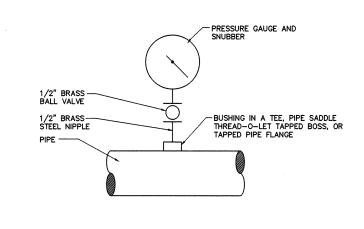
- 3. FOR CMU WALLS, CORE DRILL HOLE. INSTALL LINK SEAL. PROVIDE FILL ANNULAR OPENING WITH SEALANT.
- 4. A MECHANICAL JOINT SHALL BE INSTALLED WITHIN 3 FEET OF ALL WALL PENETRATIONS INTO STRUCTURES.
- ADEQUATE SIZE AND INSTALL AN EXPANDING RUBBER SEAL, KOR-N-SEAL BOOT, OR EQUAL.



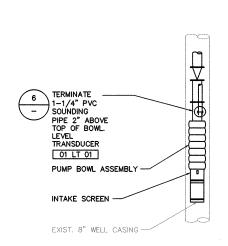


PRESSURE TRANSDUCER

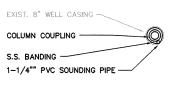
NOT TO SCALE



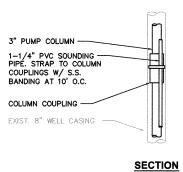




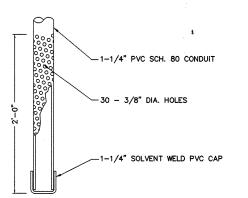




PLAN



5 COLUMN COUPLING DETAIL



SENSOR TUBE
TERMINATION DETAIL
TYP NOT TO SCALE



SCALE:
DRAWN:
CHECKED:
APPROVED

NORTH BEACH WATER DISTRICT
PACIFIC COUNTY
WATER SUPPLY AND TREATMENT
PROJECT REBID

SHEET: **M-3**OF: **5**

JOB NO.: 13224.02 DWG: DETAILS1

WATER PIPING NOTES

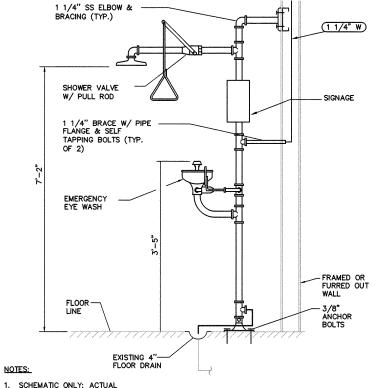
- ALL PLUMBING WORK SHALL CONFORM WITH THE SPECIFICATIONS AND WITH THE CURRENT EDITION PLUMBING CODE OR SHALL BE APPROVED BY THE
- INSTALL EXPOSED SHUT OFF VALVE TO ISOLATE ALL PLUMBING FIXTURES.
- PROVIDE WATER HAMMER ARRESTORS (MINIMUM 12" AIR CHAMBER) AT ALL SINKS AND ALL INSTANT SHUT-OFF VALVES.
- USE WALL AND CEILING FLANGES AT ALL PENETRATIONS.
- ALL EXPOSED NON-POTABLE AND PROCESS WATER PIPING INCLUDING HOSE BIBS, SHALL BE LABELED EVERY 3 TO 5 FEET "NON-POTABLE WATER".

DRAINAGE PIPING NOTES

- ALL PLUMBING WORK SHALL CONFORM WITH THE SPECIFICATIONS AND WITH THE CURRENT EDITION PLUMBING CODE OR SHALL BE APPROVED BY THE LOCAL BUILDING OFFICIAL.
- 2. ALL BURIED PROCESS DRAINS UNDER SLAB SHALL BE MECHANICAL JOINT DUCTILE IRON PIPE. ALL BURIED DRAINS SERVING FLOOR DRAINS AND OTHER PLUMBING FIXTURES UNDER SLAB SHALL BR CAST IRON SOIL PIPE. MINIMUM SLOPE AT 1/4"/FT. FOR PIPES < 3", AND AT 1/8"/FT. FOR PIPES ≥ 3".
- ALL BENDS UNDER FLOOR TO BE 45° FITTINGS MAXIMUM.

PLUMBING SYMBOLS & ABBREVIATIONS

SHUT OFF VALVE UTILITY STATION TEE UP TEE DOWN 90° BEND UP 90° BEND DOWN AND UP



1. SCHEMATIC ONLY; ACTUAL INSTALLATION SHALL BE PER UNIT PROVIDED.

EMERGENCY SHOWER & EYE WASH CONNECTION SCHEMATIC TYP



DRAWN: CHECKED:

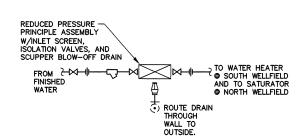
NORTH BEACH WATER DISTRICT
PACIFIC COUNTY
WATER SUPPLY AND TREATMENT
PROJECT REBID

PLUMBING DETAILS

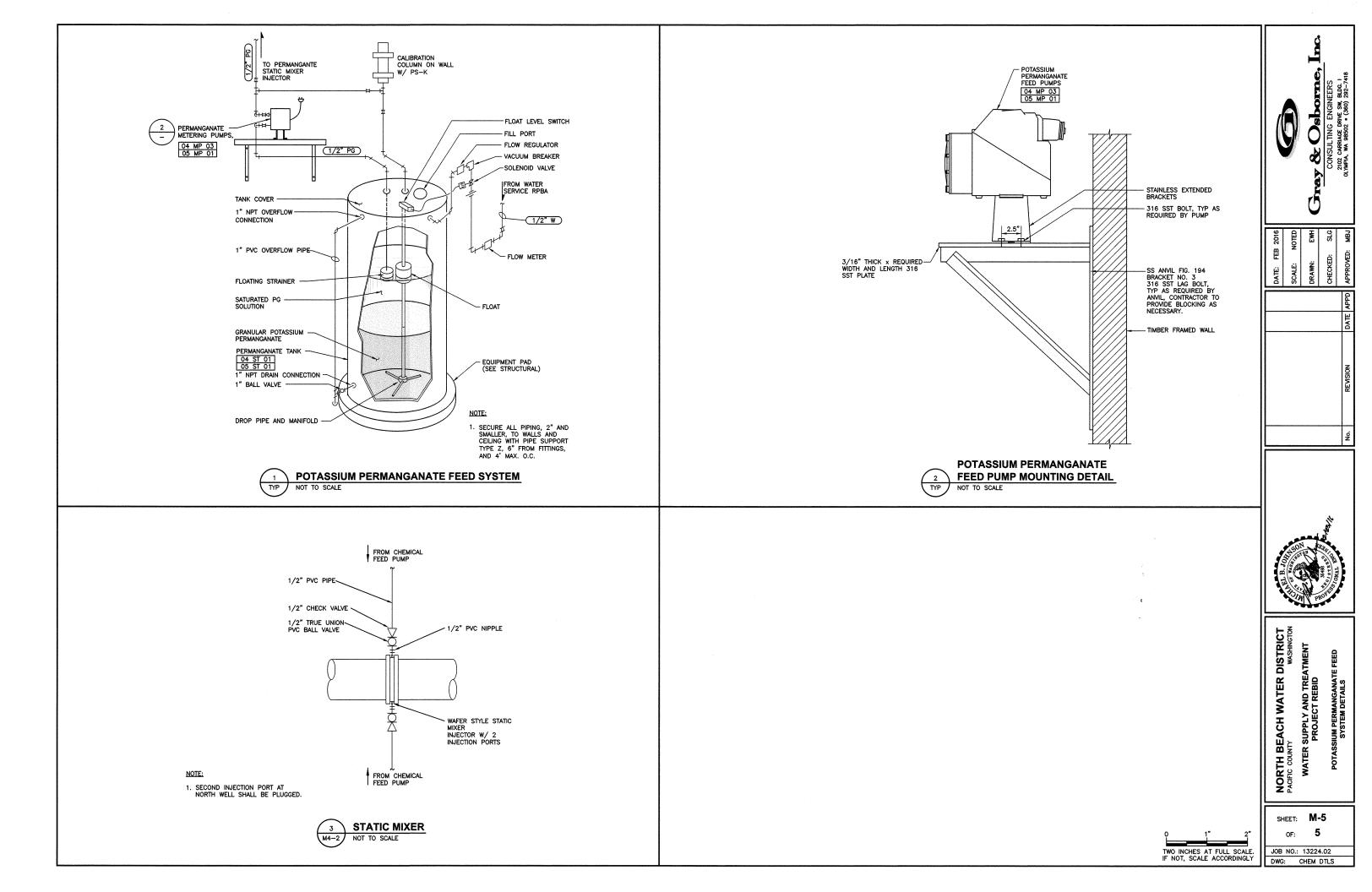
M-4 SHEET: 5 OF:

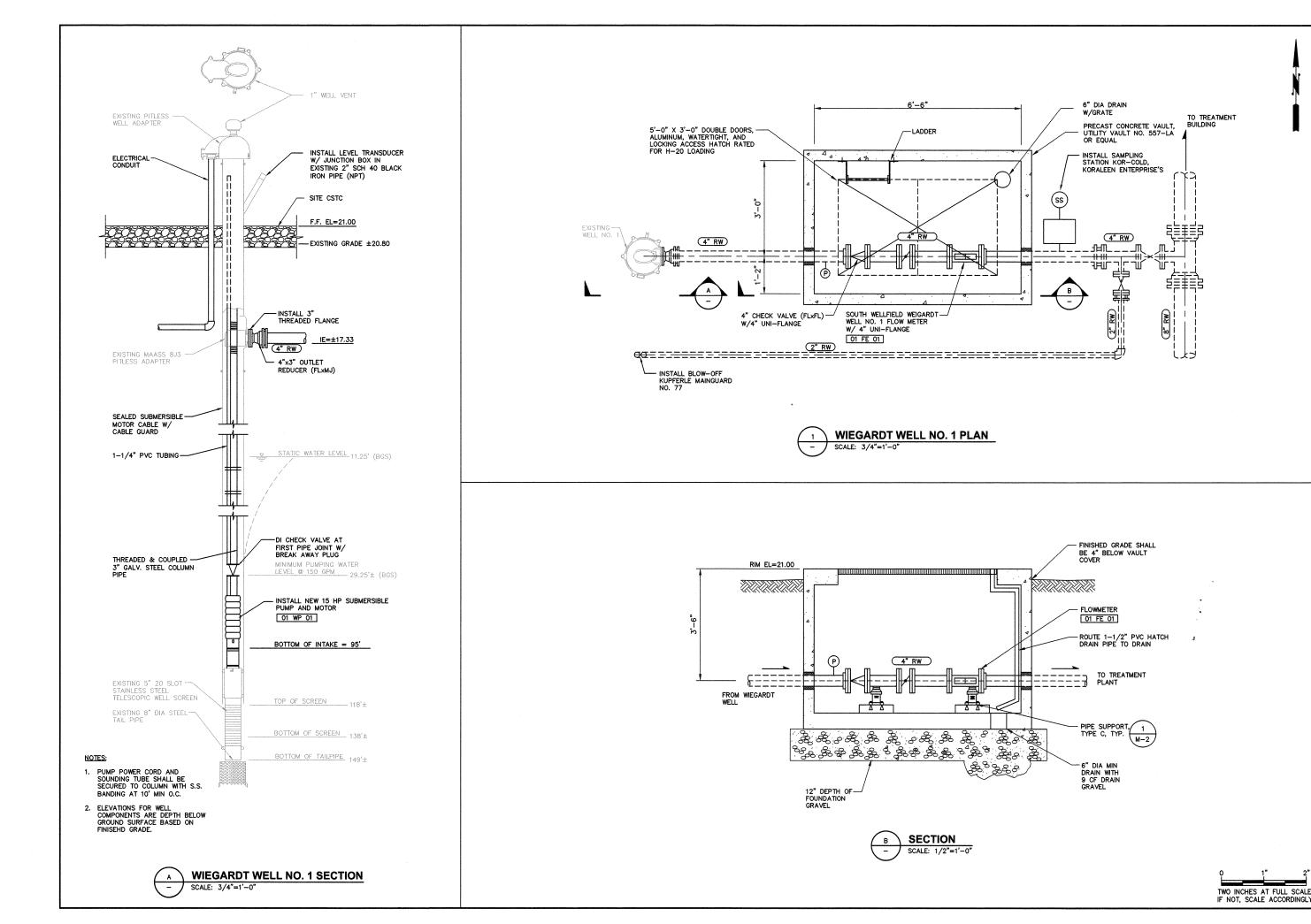
JOB NO.: 13224.02 DWG: DETAILS1

NOTE: FOR ADDITIONAL ABBREVIATIONS & SYMBOLS SEE CORRESPONDING ELECTRICAL, ARCHITECTURAL, & MECHANICAL SHEETS.









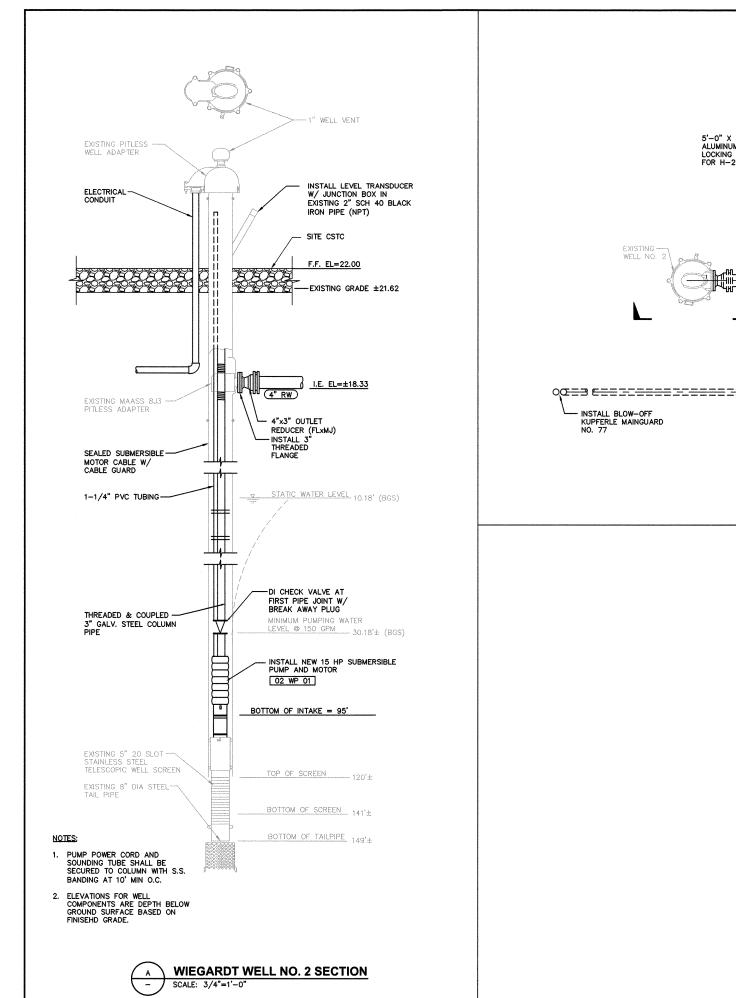


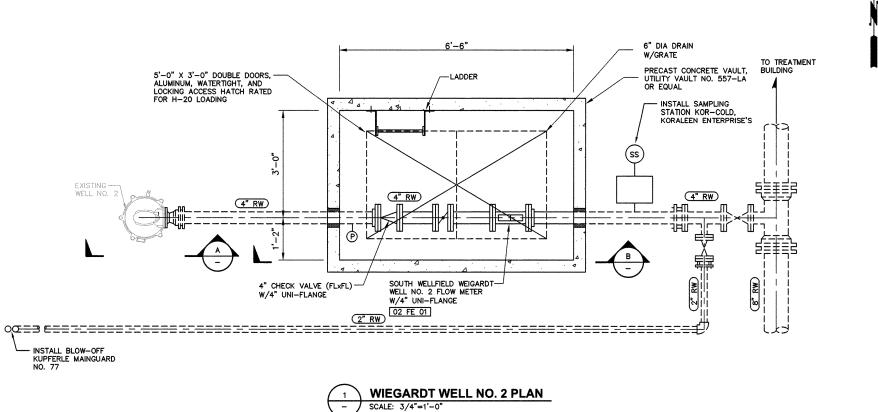
NORTH BEACH WATER DISTRICT PACIFIC COUNTY WASHINGTON

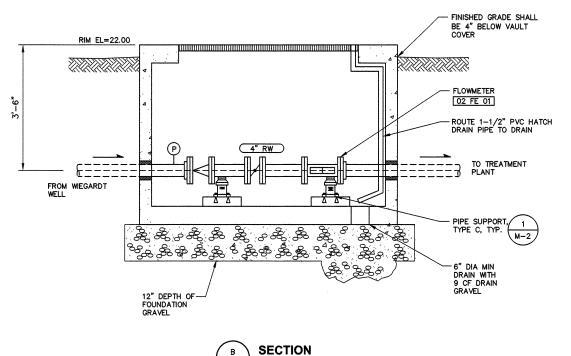
WATER SUPPLY AND TREATMENT PROJECT REBID

SHEET: **M1-1** OF:

JOB NO.: 13224.02 DWG: WELL_NO1







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



DRAWN:

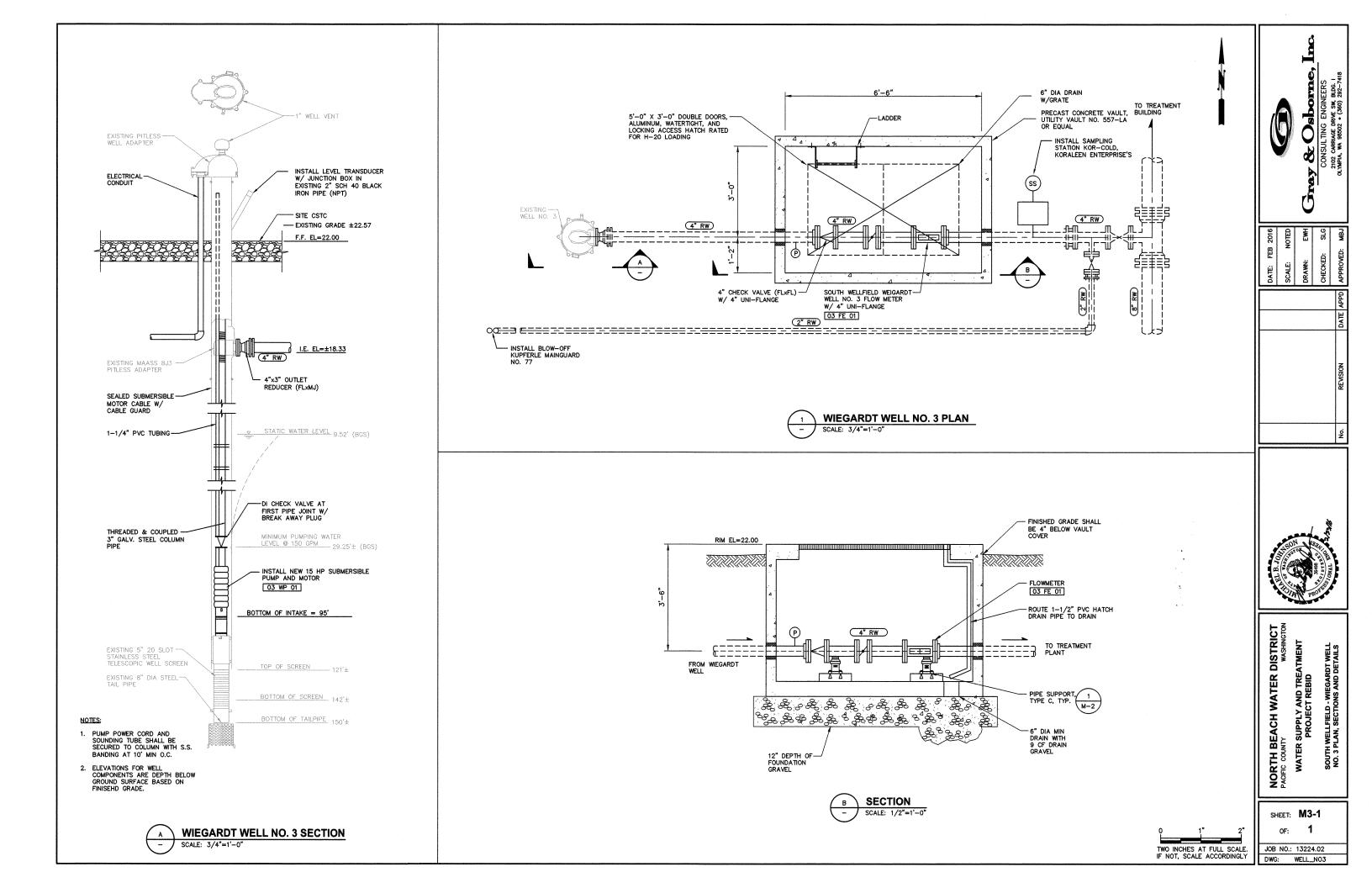
NORTH BEACH WATER DISTRICT
PACIFIC COUNTY WASHINGTON

WATER SUPPLY AND TREATMENT PROJECT REBID

SHEET: **M2-1**

TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

JOB NO.: 13224.02 DWG: WELL_NO2



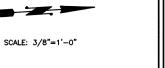
SEE SECTION 01110 FOR CONSTRUCTION TIMING LIMITATIONS. 2. SEE SHEET M4-2 FOR BUILDING MODIFICATIONS. TO RESERVOIR REMOVE AND WASTEHAUL EXISTING SLIDING BARN DOOR 6" FW (FD) (4" D)

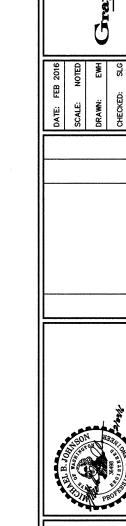
N 6" RW

TIME - FROM WELLS

BOOSTER STATION AND GENERATOR ROOM

EXISTING GENERATOR







NORTH BEACH WATER DISTRICT
PACHIC COUNTY
WASHINGTON
WATER SUPPLY AND TREATMENT
PROJECT REBID

SOUTH WELLFIELD - TREATMENT BUILDING DEMOLITION PLAN

SHEET: **M4-1**

TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

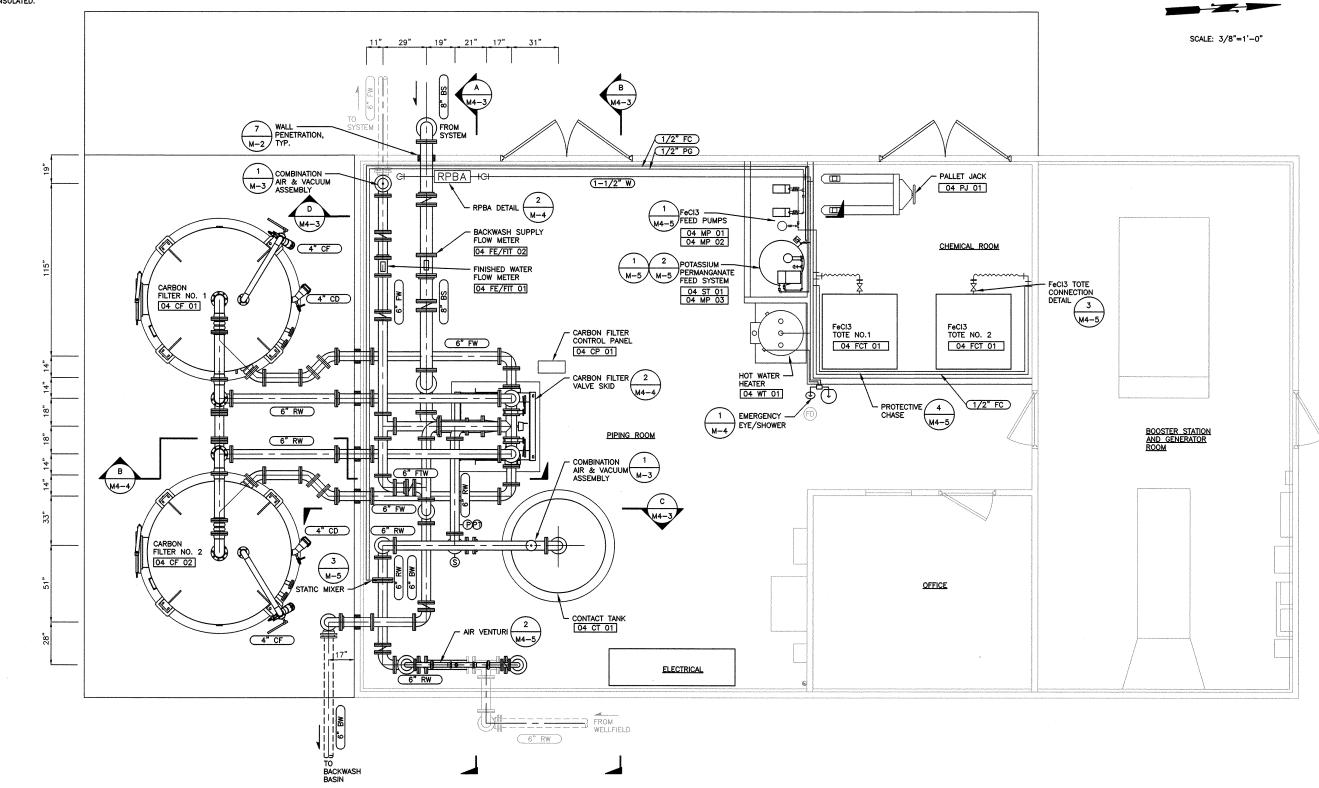
JOB NO.: 13224.02 DWOSOUTH WTP DEMO PLN

SOUTH WELLFIELD TREATMENT BUILDING DEMOLITION PLAN SCALE: 3/8"=1'-0"

OFFICE



- PIPE SUPPORTS HAVE NOT BEEN SHOWN FOR CLARITY. THE CONTRACTOR SUPPORT ALL PIPES PER SECTION 15066 OF THE SPECIFICATIONS.
- 2. ALL EXTERIOR EXPOSED WATER PIPING SHALL BE INSULATED.



SOUTH WELLFIELD
OPERATIONS BUILDING MECHANICAL PLAN
SCALE: 3/8"=1'-0"

0 1" 2"
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

Gray & Osborne, Ir CONSULTING ENGINEERS ZIOZ CARRAGE DRIVE SI BLDG. 1 GYMPHA, NR. 98602 • (360) 252-7418

DATE: FEB 2016
SCALE: NOTED
DRAWN: EWH
CHECKED: SLG
APPROVED: MBJ



NORTH BEACH WATER DISTRICT
PACIFIC COUNTY
WASHINGTON
WATER SUPPLY AND TREATMENT

C COUNTY

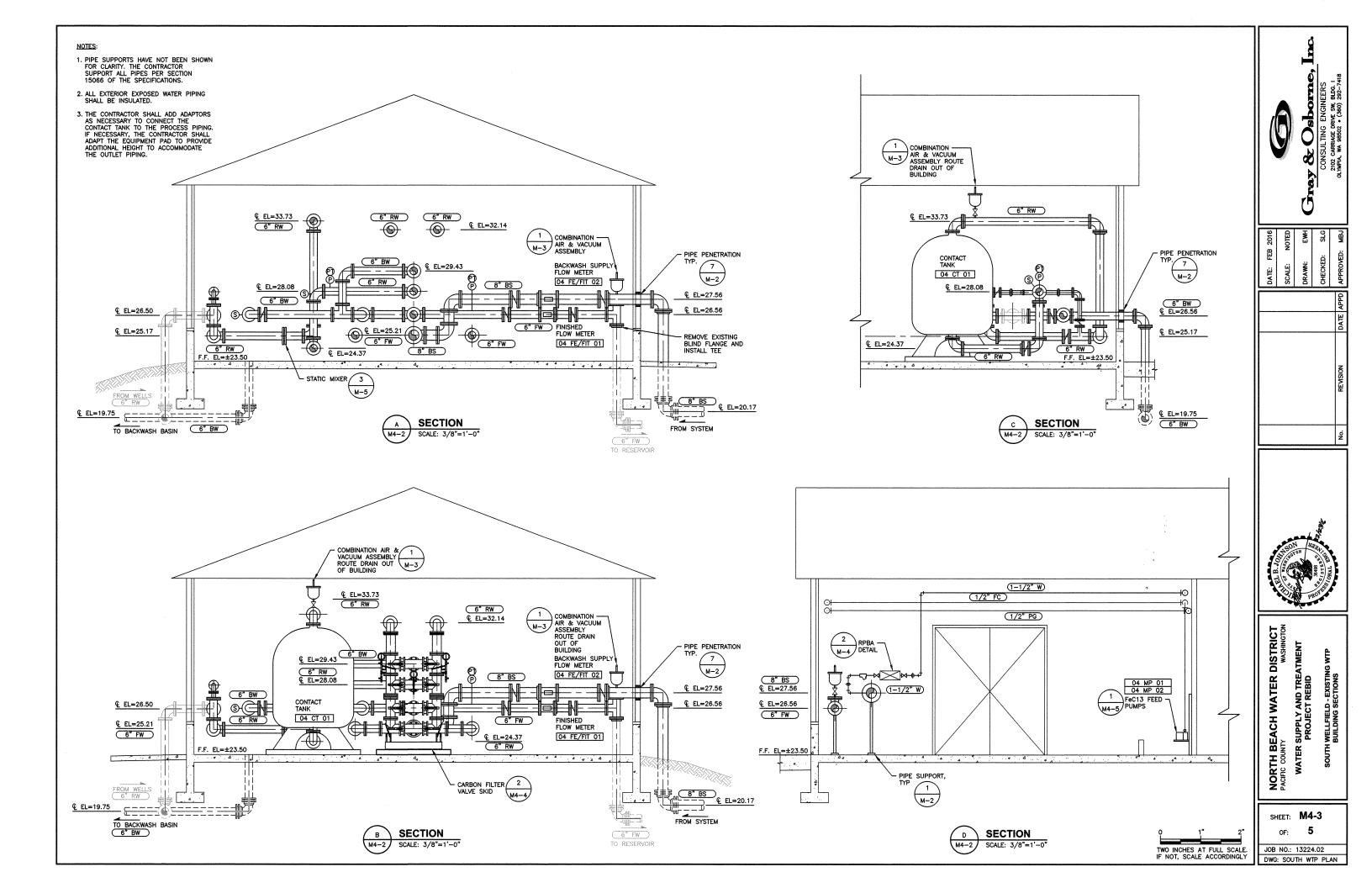
MATER SUPPLY AND TREATMEN

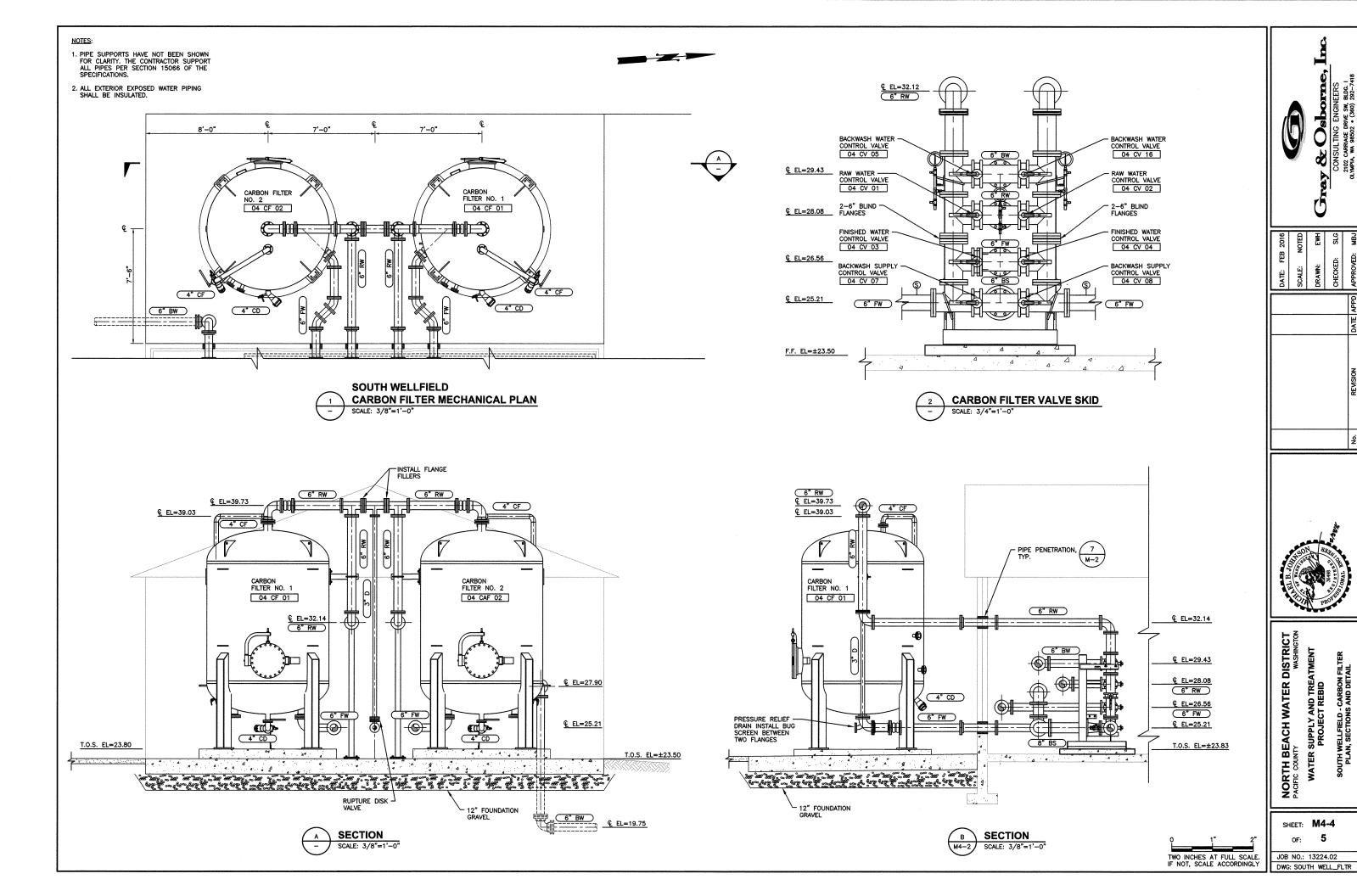
PROJECT REBID

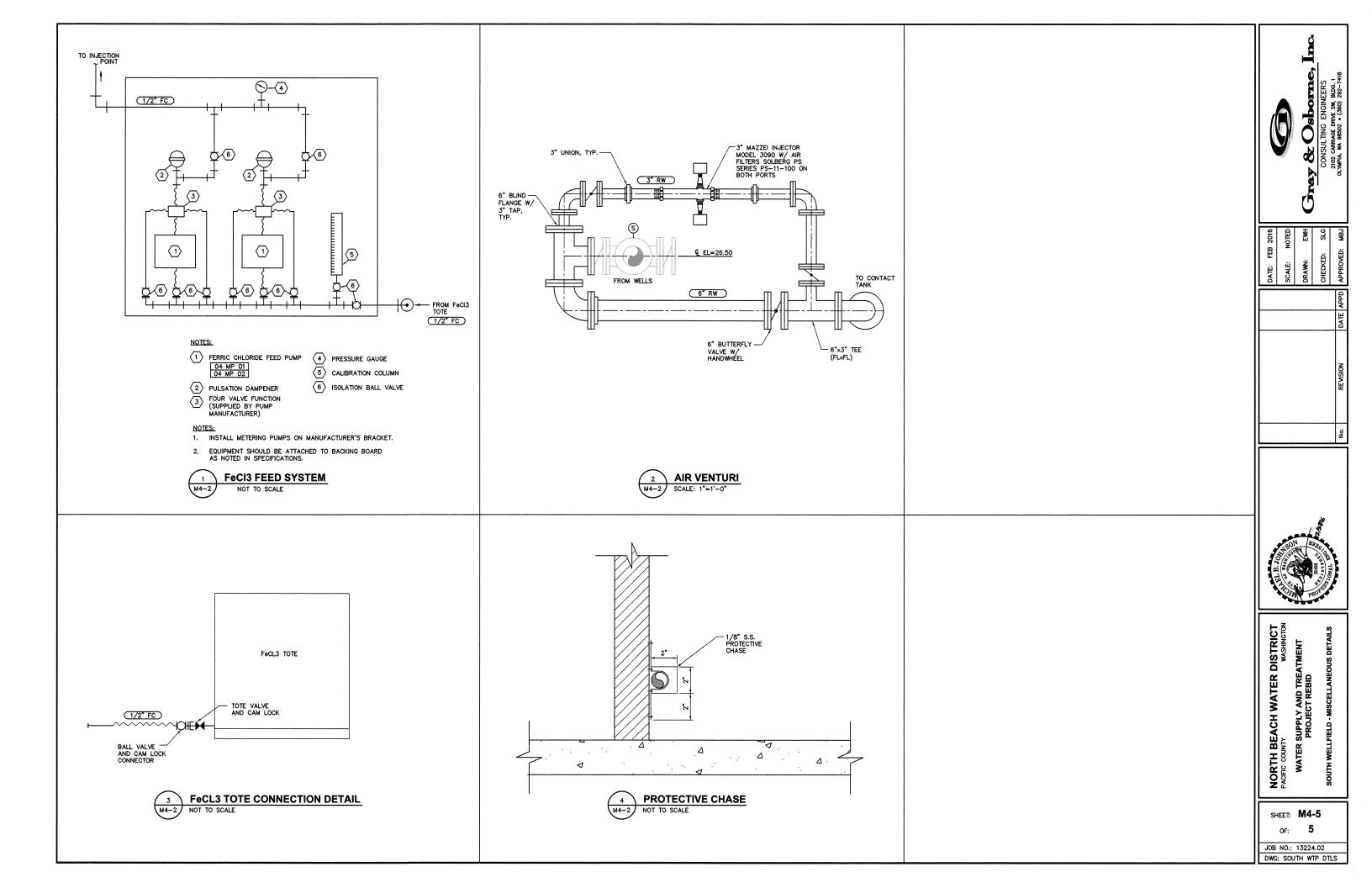
SOUTH WELLFIELD - EXISTING WTP

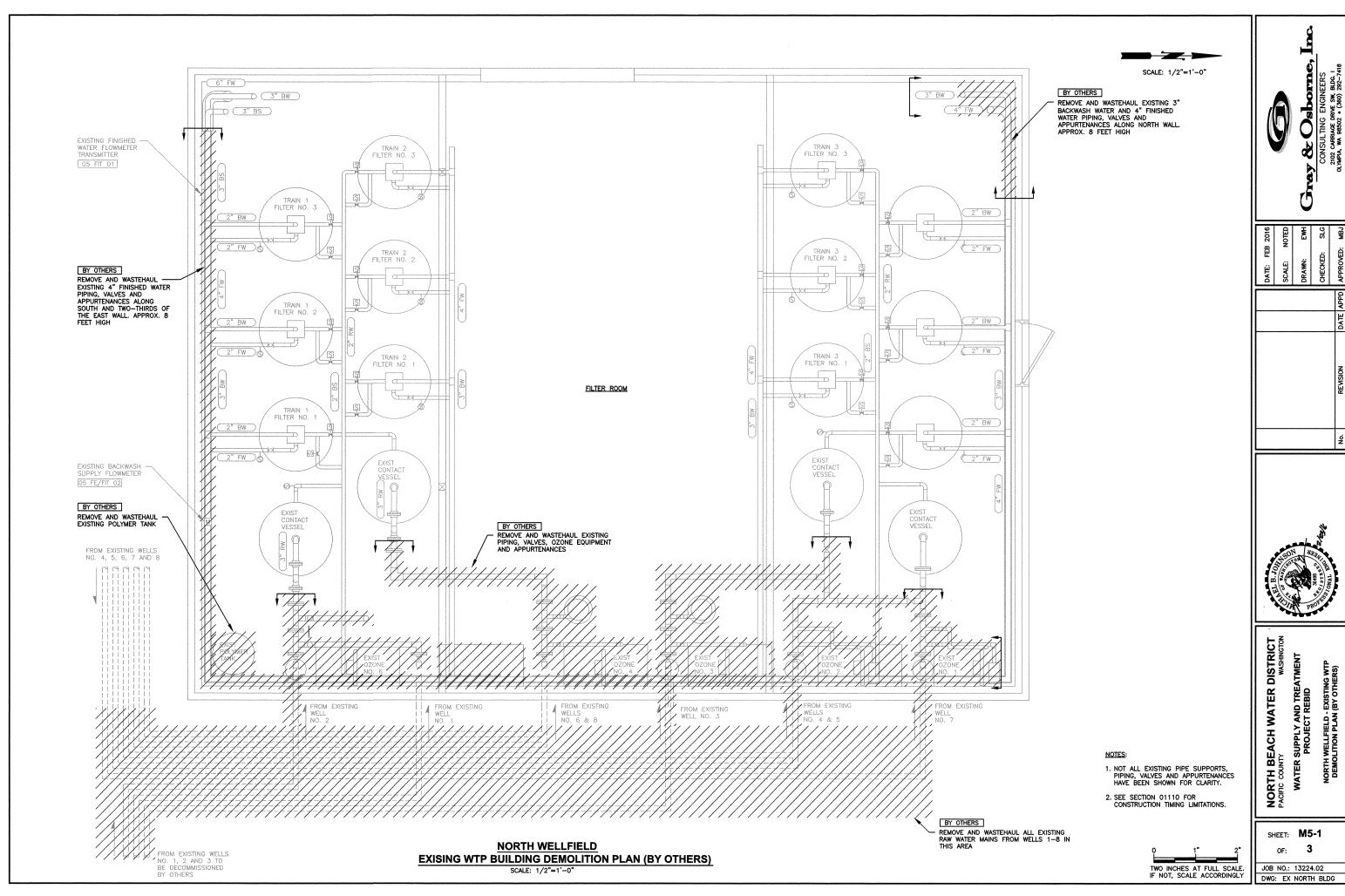
SHEET: **M4-2**OF: **5**

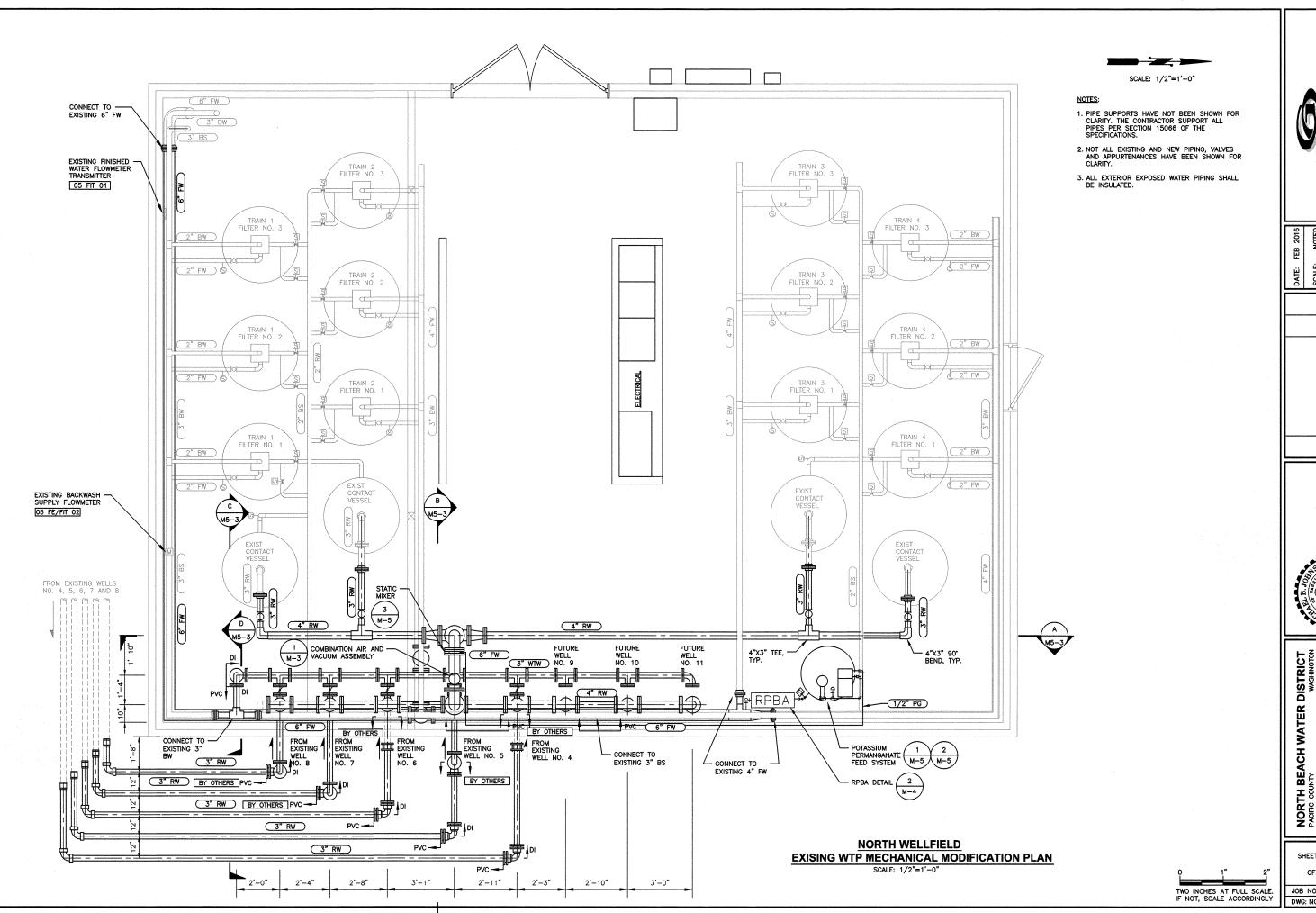
JOB NO.: 13224.02 DWG: SOUTH WTP PLAN











& Osborne, I

Gray & Osbo CONSULTING ENG

SCALE: NOTED
DRAWN: EWH
CHECKED: SLG
APPROVED: MBJJ

No. REVISION DATE APPD



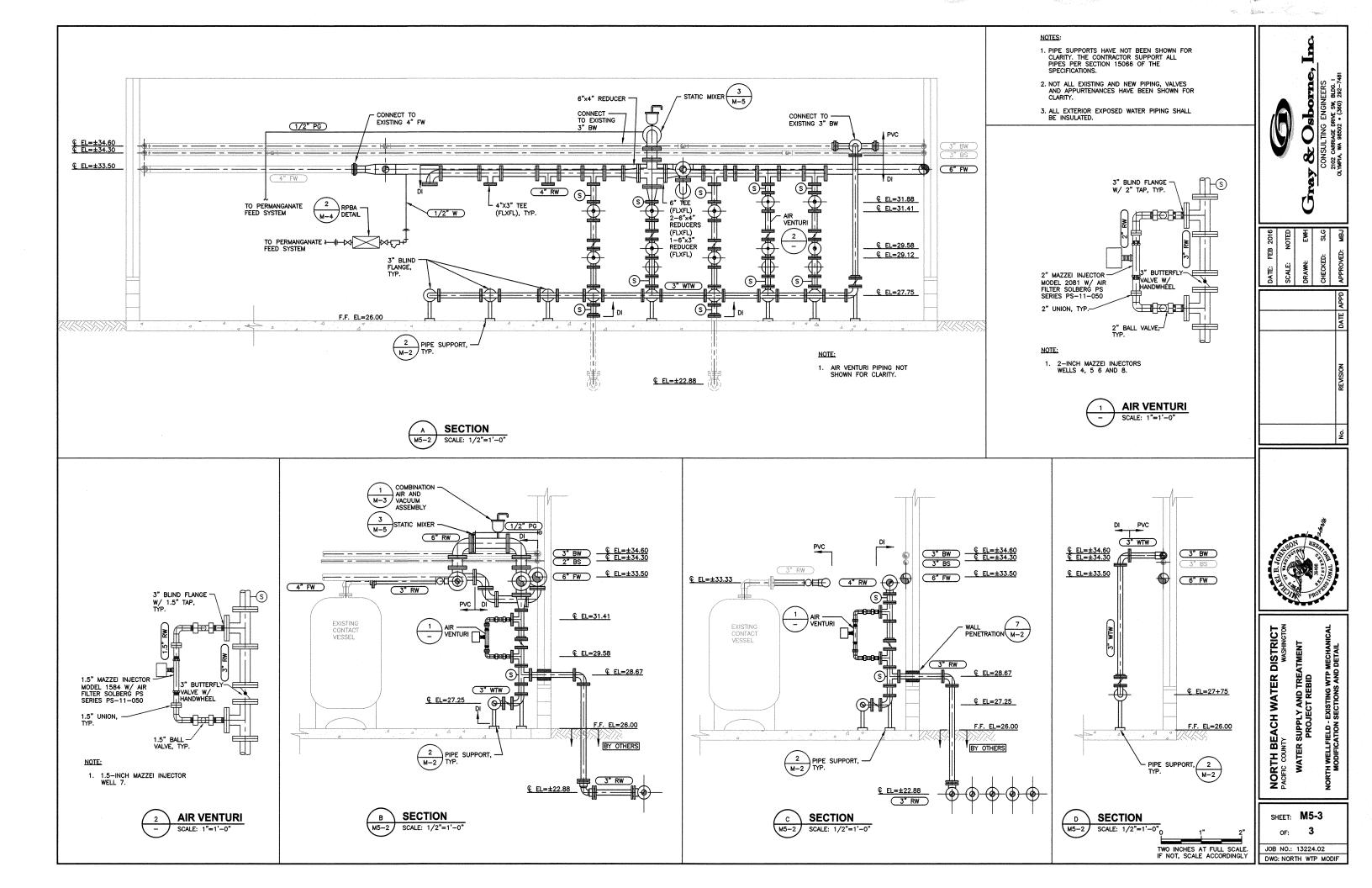
RTH BEACH WATER DISTRIC
TIC COUNTY
WATER SUPPLY AND TREATMENT
PROJECT REBID

SHEET: **M5-2**

OF: 3

JOB NO.: 13224.02

DWG: NORTH WTP MODIF



				FAN SCH	HEDULE			
BUILDING	ROOM NAME	FAN NO.	TYPE	MANUFACTURER & MODEL NO.	H.P., VOLTAGE, AND PHASE	CONTROLS	CFM AND STATIC PRESSURE	REMARKS
SOUTH WELLFIELD TREATMENT BUILIDNG	CHEMICAL ROOM	04 EF 01	INLINE EXHAUST FAN	GREENHECK BSQ-70-4 (805 FRPM)	115 V 0.25 H.P. 1 PHASE	04 TMR 01	125 CFM 0.1" W.C	PROVIDE WITH WALL CAP, MOUNTING BRACKETS/SUPPORTS, NEMA 4X DISCONNECT, ALUMINUM HOUSING AND MOTOR COVER, HI-PRO COATING, S.S. FASTENERS, FLEXIBLE DUCT CONNECTORS AND GRILLE. MOUNT BOTTOM OF EXHAUST FAN 6'-6" ABOVE F.F.

				LOUVER SC	HEDULE	
BUILDING	ROOM NAME	LOUVER NO.	TYPE	MANUFACTURER & MODEL NO.	ROUGH OPENING SIZE (WxH)	REMARKS
SOUTH WELLFIELD TREATMENT BUILDING	CHEMICAL ROOM	04 LVR 01	INTAKE LOUVER	GREENHECK BVE OR EQUAL		PROVIDE WITH HYLAR COATING, EXTENDED SILL AND 1" WASHABLE ALUMINUM FILTER AND FRAME. MOUNT BOTTOM 8'-6" A.F.F.

				CONTRO	L SCHEDULE				
BUILDING	ROOM NAME	NO.	TYPE	CONTROLLED EQUIPMENT	MANUFACTURER & MODEL NO.	COOL SET POINT	HEAT SET POINT	VOLTAGE AND PHASE	REMARKS
SOUTH WELLFIELD TREATMENT BUILDING	CHEMICAL ROOM	04 TMR 01	TIMER	04 EF 01	INTERMATIC KM2 OR EQUAL	N/A	N/A	11E V	PROVIDE WITH 2 GANG TOGGLE FACE PLATE. 20 MIN ON, 40 MIN OFF EVERY HOUR

HVAC GENERAL NOTES:

- 1. INSTALL THERMOSTATS AT 4' A.F.F. UNLESS OTHERWISE NOTED.
- 2. DUCT CONSTRUCTION AND EQUIPMENT SUPPORTS SHALL COMPLY WITH THE LATEST INTERNATIONAL MECHANICAL CODE AND WITH CURRENT SMACNA DUCT CONSTRUCTION
- PROVIDE ADEQUATE EQUIPMENT SERVICE CLEARANCE AROUND EQUIPMENT IN ACCORDANCE WITH MANUFACTURES REQUIREMENTS.
- 4. SEE SPECIFICATION 15700 FOR DUCT SEALING, CAULKING, AND GASKETING REQUIREMENTS.
- 5. LOUVER COLOR TO BE DETERMINED BY OWNER.

HVAC ABBREVIATIONS

6. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

CONTROL DESCRIPTION:

1. [04 EF 01]
INLINE EXHAUST FAN PROVIDES VENTILATION FOR THE CHEMICAL ROOM AND IS CONTROLLED BY A WALL MOUNTED TIMER [04 TMR 01].

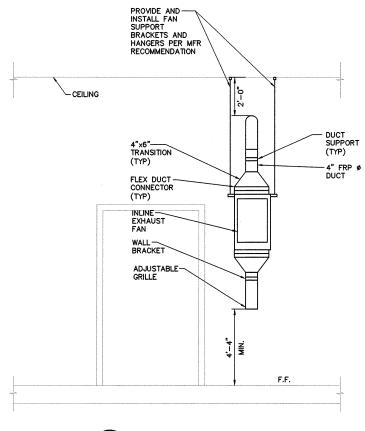
(X-AREA; YY-EQUIPMENT ABBREVATION; ##-SEQUENTIAL NUMBER) X YY ## DESCRIPTION SYMBOL THERMOSTAT, WALL MOUNTED ABOVE FINISHED FLOOR ABOVE FINISHED GRADE BRITISH TERMAL UNIT AFF AFG BTU CFM CU DN EC F GPM MCA MOCP OAC POC SP WC COMPRESSED AIR CUBIC FEE PER MINUTE CONDENSING UNIT ELECTRIC MOTOR DOWN ELECTRICALLY COMMUTATED FAHRENHEIT NATURAL GAS TRANSITION, ECCENTRIC NATURAL GAS GALLONS PER MINUTE MINIMUM CIRCUIT AMPS MAXIMUM OVER CURRENT PROTECTION OUTISDE AIR POINT OF CONNECTION STATIC PRESSURE WATER COLUMN WALL PENETRATION SECTION EXHAUST/DUCT RETURN \rightarrow AIR FLOW DIRECTION

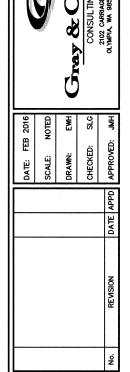
SC

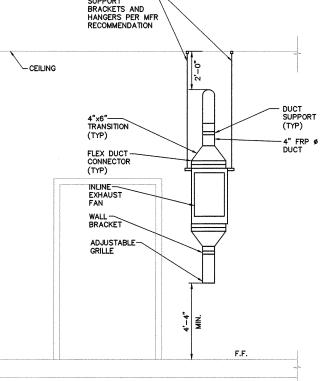
HVAC LEGEND

TIMER

SPEED CONTROL









TWO INCHES AT FULL SCALE.

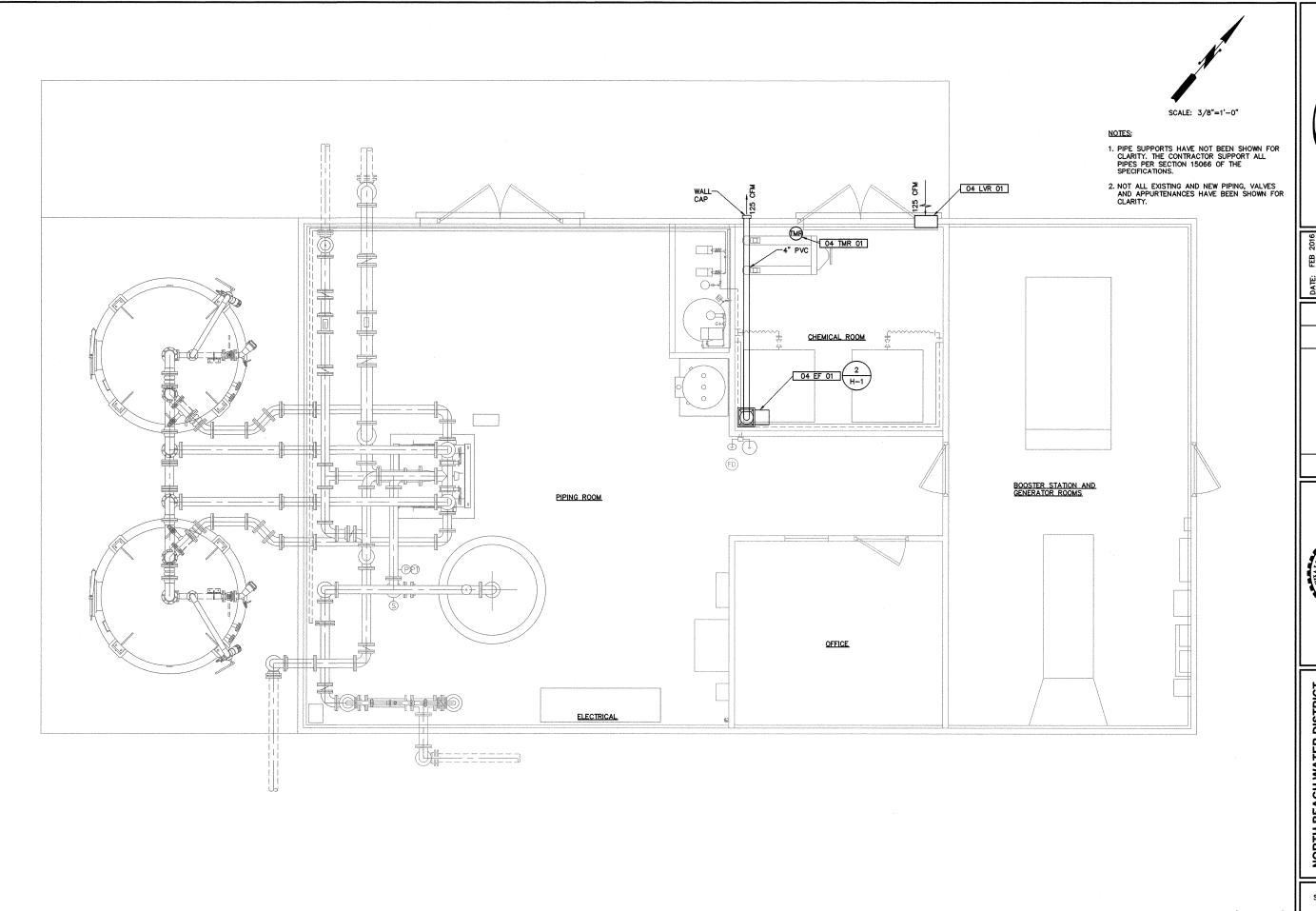
SHEET: H-1 OF: JOB NO.: 13224.02

NORTH BEACH WATER DISTRICT PACIFIC COUNTY WASHINGTON

DWG:

H-1

WATER SUPPLY AND TREATMENT PROJECT REBID



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EWH	SLG	N.
DRAWN:	CHECKED:	APPROVED:
 		Īο



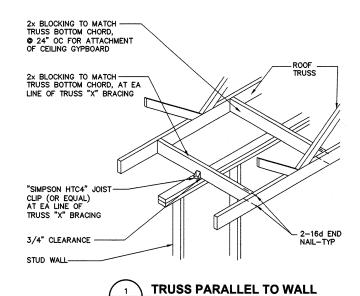
NORTH BEACH WATER DISTRICT PACIFIC COUNTY WASHINGTON

WATER SUPPLY AND TREATMENT PROJECT REBID

SHEET: H4-1

TWO INCHES AT FULL SCALE IF NOT, SCALE ACCORDINGLY

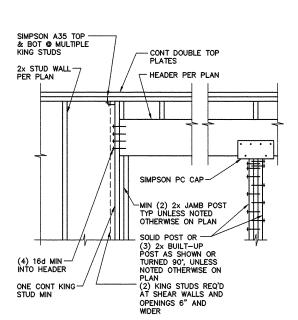
JOB NO.: 13224.02 DWG:



NOT TO SCALE

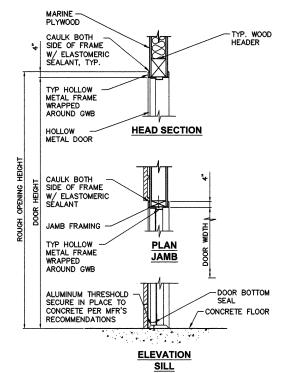
ROOF TRUSS "SIMPSON HTC4" JOIST-CLIP (OR EQUAL) © 8'-0" OC 3/4" CLEARANCE STUD WALL

> TRUSS PERPENDICULAR TO WALL NOT TO SCALE



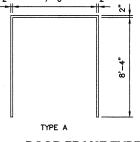
TYP HEADER DETAIL

NOT TO SCALE

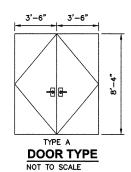


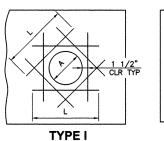
METAL DOOR FOR CMU/STUD WALL DETAIL NOT TO SCALE

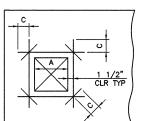
NOTES: CONTRACTOR SHALL PROVIDE ADDITIONAL FRAMING AS NECESSARY TO INSTALL THE NEW DOORS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.



DOOR FRAME TYPE NOT TO SCALE







TYPE II

	1	TYPE II						
OPENING SIZE (A)	MINIMUM BAR LENGTH (L)	BAR SIZE	(c)	BAR SIZE				
0" - 12"	3' - 9"	#5	1' - 0"	MATCH VERTICAL BARS				
13" - 18"	4' 9"	#6	1' - 3"	OR LARGEST BAR IN				
19" - 24"	6' - 9"	MATCH VERTICAL BARS	2' - 6"	SLABS OR WALKWAYS				
25" - 36"	7' - 9"	OR LARGEST BAR IN	2' - 6"]				
36"	8' - 9"	SLABS OR WALKWAYS	2' - 6"	1				

NOTE:

ALL BARS, EACH FACE. USE THESE BAR SIZES UNLESS OTHERWISE NOTED.

TYP PENETRATION REINFORCING DETAIL NOT TO SCALE



TWO INCHES AT FULL SCALE.

IF NOT, SCALE ACCORDINGLY

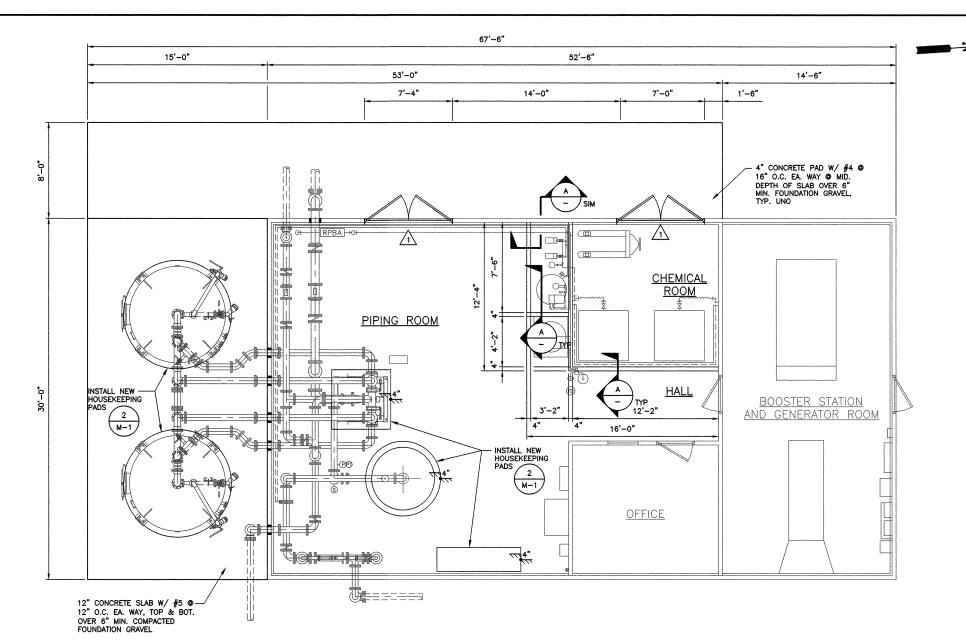
SHEET: A-1 OF:



NORTH BEACH WATER DISTRICT PACIFIC COUNTY WASHINGTON

WATER SUPPLY AND TREATMENT PROJECT REBID

JOB NO.: 13224.02 DWG: A-1_GEN



FLOOR PLAN SCALE: 1/4"=1'-0"

	F	ROOM M	ATERIAI	_ AND FI	NISH SC	HEDULE	•					
		WALLS										
BOOM NAME	FLO	FLOOR		NORTH		SOUTH		EAST		ST		
ROOM NAME	MATL.	FINISH	MATL.	FINISH	MATL.	FINISH	MATL.	FINISH	MATL.	FINISH		
PIPING ROOM	CONC	_	MP	PTS	-	-	-	-	-	-		
CHEMICAL ROOM	CONC	-	-	-	FRP	FF	FRP	FF	-	_		
HALL	CONC	-	-	-	_	-	_	_	MP	PTS		

- CONCRETE - CONCRETE MASONRY UNIT - EXTERIOR SOFFIT BOARD

PAINT TO SPECIFICATIONSRUBBER BASEFACTORY FINISH

MP - MARINE PLYWOOD FRP - FRP PANELS

			OOR SCH	EDULE				
NO.	MATERIAL & TYPE	DOOR SIZE: WIDTH x HEIGHT x THICKNESS	DOOR TYPE	FRAME TYPE	FRAME GAUGE	FINISH	HARDWARE GROUP	DEFAULT U-FACTOR
\triangle	HOLLOW METAL INSULATED	PR 3'-6" x 8'-4" x 134"	A	С	16	PTS	2	0.34

PROJECT DATA

PROJECT DESCRIPTION:

AN EXISTING WOOD FRAME BUILDING W/ CONCRETE STEM WALL

SOUTH WELLFIELD WTP BUILDING:

CODES:

2012 INTERNATIONAL EXISTING BUILDING CODE

OCCUPANCY:

F FACTORY/INDUSTRIAL GROUP

NOTES:

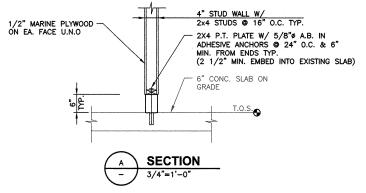
- 1. ALL DIMENSIONS ARE TO FACE OF WALL, UNLESS NOTED OTHERWISE.
- DIMENSIONS SHOWN ON ARCHITECTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND MUST BE VERIFIED BY THE CONTRACTOR BEFORE START OF CONSTRUCTION.

WALL TYPES & LEGEND

NEW 4" WOOD STUDS @ 16" O.C. W/ 1/2" NOM MARINE PLYWOOD EA FACE U.N.O.

 \triangle

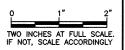
DOOR NUMBER, SEE DOOR SCHEDULE



NOTES:

1. OMIT 4" STUD WALL @ SIM. SECTION AND . OMIL ** SIDD WALL O'SIM. SECTION AND USE #5 THR'D RODS IN ADHESIVE ANCHORS © 16" O.C. MAX AND 6" MAX FROM ENDS.

(2 1/2" MIN. EMBED INTO EXISTING SLAB)





NORTH BEACH WATER DISTRICT PACIFIC COUNTY WASHINGTON

WATER SUPPLY AND TREATMENT PROJECT REBID

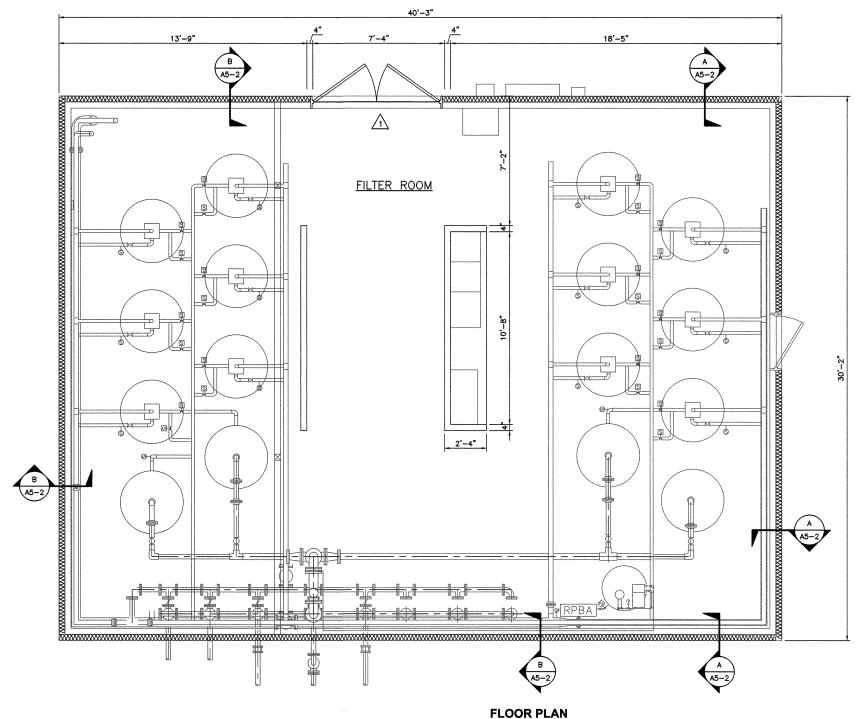
SHEET: A4-1

DWG: A4_S-WTP

OF: JOB NO.: 13224.02

PR - PAIR





PROJECT DATA

PROJECT DESCRIPTION:

AN EXISTING WOOD FRAME BUILDING W/ CMU STEM WALL

NORTH WELLFIELD WTP BUILDING: $40'-3" \times 30'-2" = 1,214$ SF

CODES:

2012 INTERNATIONAL EXISTING BUILDING CODE

OCCUPANCY:

F FACTORY/INDUSTRIAL GROUP

NOTES:

- 1. ALL DIMENSIONS ARE TO FACE OF WALL, UNLESS NOTED OTHERWISE.
- DIMENSIONS SHOWN ON ARCHITECTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND MUST BE VERIFIED BY THE CONTRACTOR BEFORE START OF CONSTRUCTION.
- 3. PROVIDE AND INSTALL R-19 INSULATION IN ALL EXTERIOR WALLS.
- 4. SHEET INSIDE FACE OF ALL EXTERIOR WALLS WITH MARINE PLYWOOD.
- 5. Insulate attic space with R39 batt insulation and enclose ceiling with exterior soffit board.

WALL TYPES & LEGEND

EXISTING 4" STUD WALL W/ NEW R-19 INSULATION, ADDITIONAL FRAMING, AND 1/2" NOM MARINE PLYWOOD

HARDWARE

GROUP

DEFAULT

U-FACTOR

NEW 4" WOOD STUDS @ 16" O.C. W/ 1/2" NOM MARINE PLYWOOD EA FACE

EXISTING WALL

 \triangle

DOOR NUMBER, SEE DOOR SCHEDULE

NORTH BEACH WATER DISTRICT
PACIFIC COUNTY
WATER SUPPLY AND TREATMENT
PROJECT REBID

SHEET: **A5-1**

OF: **2**

JOB NO.: 13224.02 DWG: A5_N-WTP

ROOM MATERIAL AND FINISH SCHEDULE												
		WALLS									CEILING	
	FLOOR		NORTH		SOUTH		EAST		WEST		OLILING	
ROOM NAME	MATL.	FINISH	MATL.	FINISH								
FILTER ROOM	CONC	-	MP	PTS	MP	PTS	MP	PTS	MP	PTS	ESB	PTS

- CONCRETE - CONCRETE MASONRY UNIT
- EXTERIOR SOFFIT BOARD
- CONCRETE SURFACE HARDENER

- PAINT TO SPECIFICATIONS - RUBBER BASE
- FACTORY FINISH
- GRADE "A" PLYWOOD

- MARINE PLYWOOD

SCALE: 3/8"=1'-0"

NO.

 \triangle

MATERIAL & TYPE

HOLLOW METAL INSULATED



FRAME

TYPE

FRAME

GAUGE

16

FINISH

DOOR SCHEDULE

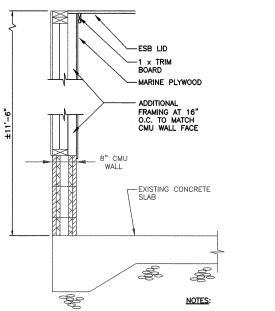
DOOR

TYPE

DOOR SIZE: WIDTH x

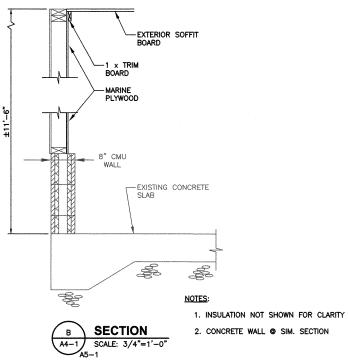
HEIGHT x THICKNESS

PR 3'-6" x 8'-4" x 1¾"



1. INSULATION NOT SHOWN FOR CLARITY





2. CONCRETE WALL @ SIM. SECTION

NORTH BEACH WATER DISTRICT
PACIFIC COUNTY
WASHINGTON
WATER SUPPLY AND TREATMENT
PROJECT REBID

NORTH WELLFIELD - EXISTING WTP ARCHITECTURAL SECTIONS MODIFICATIONS

SHEET: **A5-2**

of: **2**

JOB NO.: 13224.02 DWG: A5_N-WTP_SEC

TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY