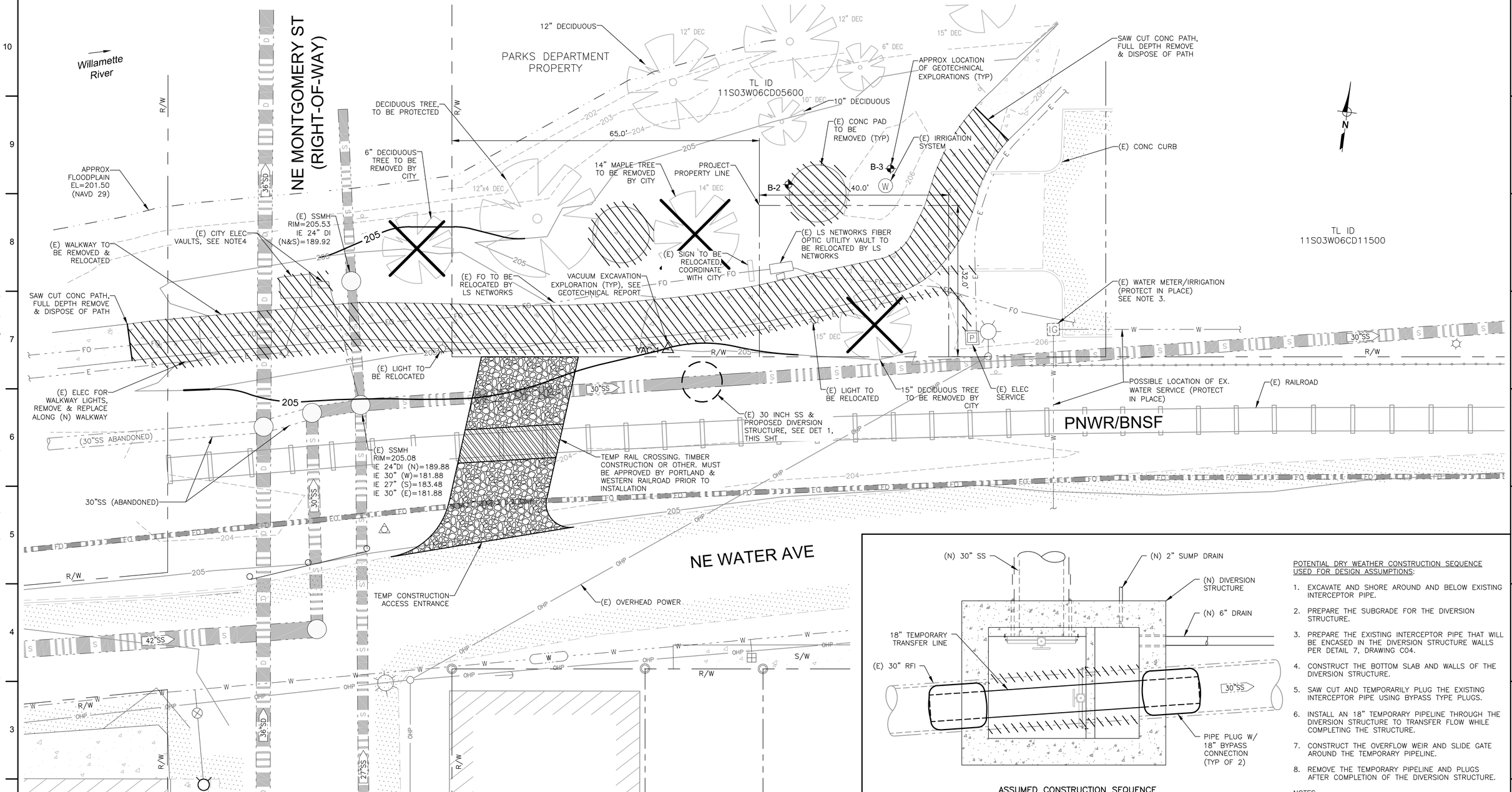


NOTES:

1. SURVEY COMPILED BY K&D ENGINEERING FALL 2018. HORIZONTAL DATUM: SPCS OREGON NORTH. VERTICAL DATUM: NGVD (29). SEE DRAWING G02 FOR SURVEY CONTROL DATA.
2. GEOTECHNICAL ENGINEERING REPORT BY SHANNON & WILSON.
3. THERE IS AN EXISTING IRRIGATION SYSTEM WITHIN PARK AREA. THE LOCATIONS OF IRRIGATION LINES ARE UNKNOWN. CONTRACTOR SHALL NOTIFY CITY AND ENGINEER WHEN FOUND AND CAP OFF IRRIGATION LINES WITHIN DISTURBANCE AREA. PARKS' MAINTENANCE STAFF WILL RESTORE IRRIGATION LINES.
4. DEMO AFTER CITY HAS RELOCATED ELEC EQUIPMENT

PLAN

SCALE: 1"=10'

0 10' 20'

SCALE IN FEET

ASSUMED CONSTRUCTION SEQUENCE

DETAIL 1

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

POTENTIAL DRY WEATHER CONSTRUCTION SEQUENCE USED FOR DESIGN ASSUMPTIONS:

1. EXCAVATE AND SHORE AROUND AND BELOW EXISTING INTERCEPTOR PIPE.
2. PREPARE THE SUBGRADE FOR THE DIVERSION STRUCTURE.
3. PREPARE THE EXISTING INTERCEPTOR PIPE THAT WILL BE ENCASED IN THE DIVERSION STRUCTURE WALLS PER DETAIL 7, DRAWING C04.
4. CONSTRUCT THE BOTTOM SLAB AND WALLS OF THE DIVERSION STRUCTURE.
5. SAW CUT AND TEMPORARILY PLUG THE EXISTING INTERCEPTOR PIPE USING BYPASS TYPE PLUGS.
6. INSTALL AN 18" TEMPORARY PIPELINE THROUGH THE DIVERSION STRUCTURE TO TRANSFER FLOW WHILE COMPLETING THE STRUCTURE.
7. CONSTRUCT THE OVERFLOW WEIR AND SLIDE GATE AROUND THE TEMPORARY PIPELINE.
8. REMOVE THE TEMPORARY PIPELINE AND PLUGS AFTER COMPLETION OF THE DIVERSION STRUCTURE.

NOTES:

1. SUBMIT TEMPORARY BYPASS PLAN FOR APPROVAL. PLAN MUST BE APPROVED PRIOR TO STARTING WORK.

REGISTERED PROFESSIONAL ENGINEER 86320PE Digitally Signed OREGON DEC 12, 2018 MATTHEW P. HEWITT

EXPIRES : 6/30/2019

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH AT FULL SCALE IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : JMH/DAM
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES

4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY OREGON Inc. 1864

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

EXISTING CONDITIONS AND DEMOLITION PLAN

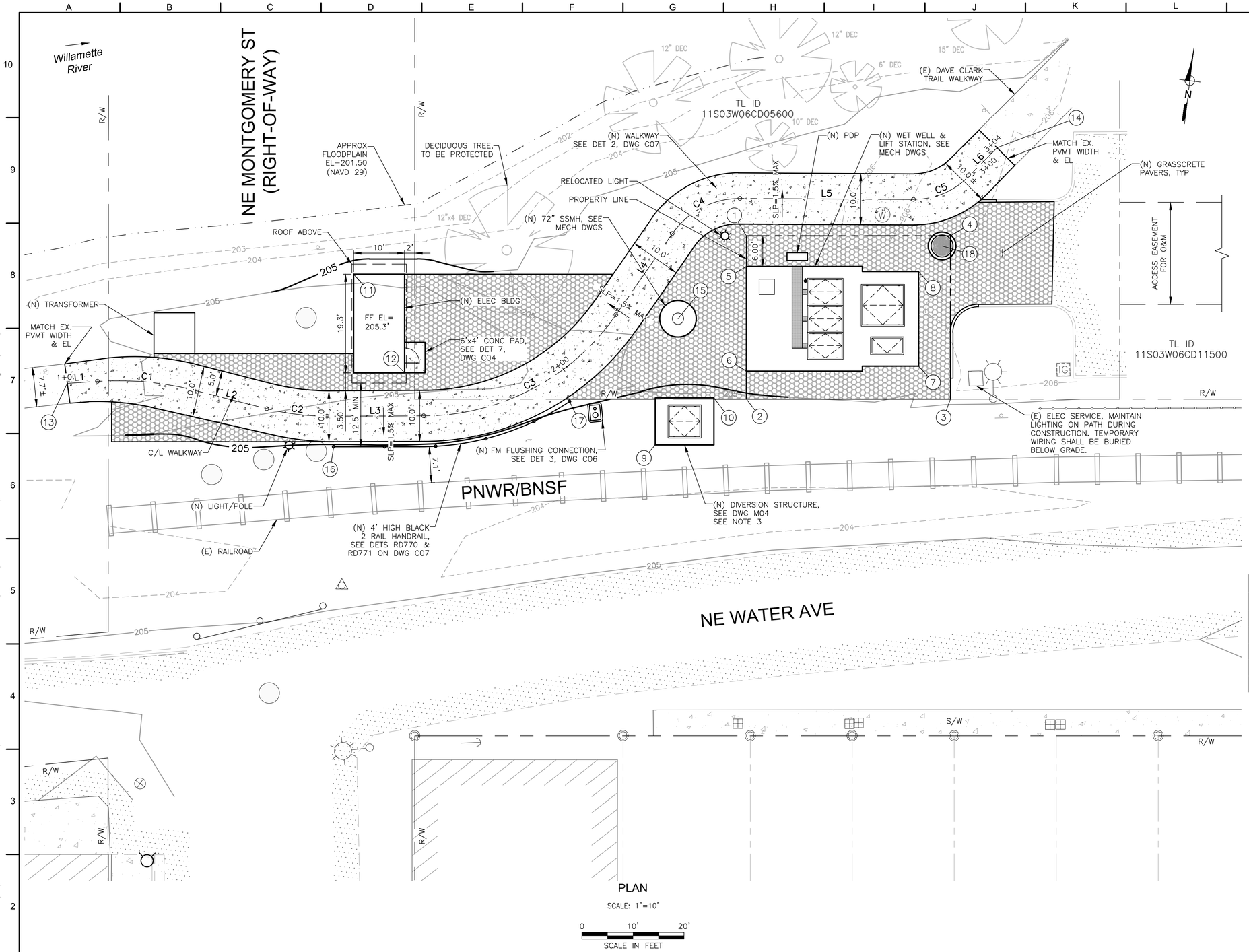
JOB NUMBER 519-14-18-18

DRAWING NUMBER **C01**

SHEET NUMBER 3 OF 59

REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C01.dwg 4/16/2019 4:16 PM rmurnane



PLAN

SCALE: 1"=10'

0 10' 20'

SCALE IN FEET

SITE COORDINATE TABLE

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	365287.85	7524884.47	205.68	NW PROPERTY CORNER
2	365256.09	7524888.44	204.90	SW PROPERTY CORNER
3	365261.06	7524928.13	205.42	SE PROPERTY CORNER
4	365292.81	7524924.16	205.68	NE PROPERTY CORNER
5	365281.89	7524885.22	205.80	NW WET WELL CORNER
6	365261.53	7524887.76	205.80	SW WET WELL CORNER
7	365266.71	7524921.14	205.80	SE WET WELL CORNER
8	365285.09	7524918.81	205.80	NE WET WELL CORNER
9	365244.95	7524871.82	204.20	SW DIVERSION STRUCTURE CORNER
10	365255.55	7524882.08	204.20	NE DIVERSION STRUCTURE CORNER
11	365270.82	7524809.00	205.30	NW ELECTRICAL BLDG CORNER
12	365252.87	7524821.32	205.30	SE ELECTRICAL BLDG CORNER
13	365242.61	7524755.98	204.67	BEGIN WALKWAY C/L
14	365311.06	7524931.08	205.94	END WALKWAY C/L
15	365270.05	7524873.20	205.20	CENTER OF 72" SSMH
16	365236.76	7524809.34	240.42	BEGINNING OF PEDESTRIAN HANDRAIL
17	365251.32	7524854.12	204.71	END OF PEDESTRIAN HANDRAIL
18	365290.61	7524922.79	205.80	CENTER OF 48" ACCESS MH

WALKWAY CENTERLINE LINE TABLE

LINE	LENGTH	BEARING	START POINT (N, E)	END POINT (N, E)
L1	5.94'	N78°58'22"E	365242.61, 7524755.98	365243.75, 7524761.80
L2	14.77'	S82°49'58"E	365244.39, 7524780.77	365242.54, 7524795.42
L3	19.00'	N82°42'21"E	365242.56, 7524807.25	365244.97, 7524826.09
L4	19.41'	N27°36'08"E	365269.28, 7524861.01	365286.49, 7524870.01
L5	34.04'	N83°12'07"E	365294.96, 7524882.29	365298.99, 7524916.10
L6	7.98'	N37°35'12"E	365304.73, 7524926.21	365311.06, 7524931.08

WALKWAY CENTERLINE CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	START POINT (N, E)	END POINT (N, E)
C1	60.00'	19.05'	N88°04'12"E	365243.75, 7524761.80	365244.39, 7524780.77
C2	47.00'	11.86'	N89°56'11"E	365242.54, 7524795.42	365242.56, 7524807.25
C3	46.00'	44.24'	N55°09'14"E	365244.97, 7524826.09	365269.28, 7524861.01
C4	16.00'	15.53'	N55°24'07"E	365286.49, 7524870.01	365294.96, 7524882.29
C5	15.00'	11.94'	N60°23'39"E	365298.99, 7524916.10	365304.73, 7524926.21

NOTES:

1. SLOPE CONCRETE PATH WITH 1.5% MAX CROSS SLOPE.
2. CONTRACTOR TO MAKE TEMPORARY CONNECTIONS TO EXISTING PATH, IF NECESSARY, TO PROVIDE SAFE PEDESTRIAN PATH DETOUR AROUND CONSTRUCTION AREA. SEE SPEC SECTION 01550 FOR TRAFFIC CONTROL REQUIREMENTS.
3. SHORING SYSTEMS SHALL NOT INTERFERE WITH NIGHTLY TRAIN OPERATION. SHORING SYSTEM FOR SOUTH SIDE OF DIVERSION STRUCTURE SHALL BE FLUSH WITH GROUND SURFACE EACH NIGHT TO MAINTAIN CLEAR AND UNOBSTRUCTED PATH FOR TRAIN OPERATION.

REGISTERED PROFESSIONAL ENGINEER 86320PE Digitally Signed OREGON Dec. 12, 2018 MATTHEW P. HEWITT

EXPIRES : 6/30/2019

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH AT FULL SCALE IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : JMH/DAM
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES

4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY OREGON Est. 1850

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

SITE PLAN

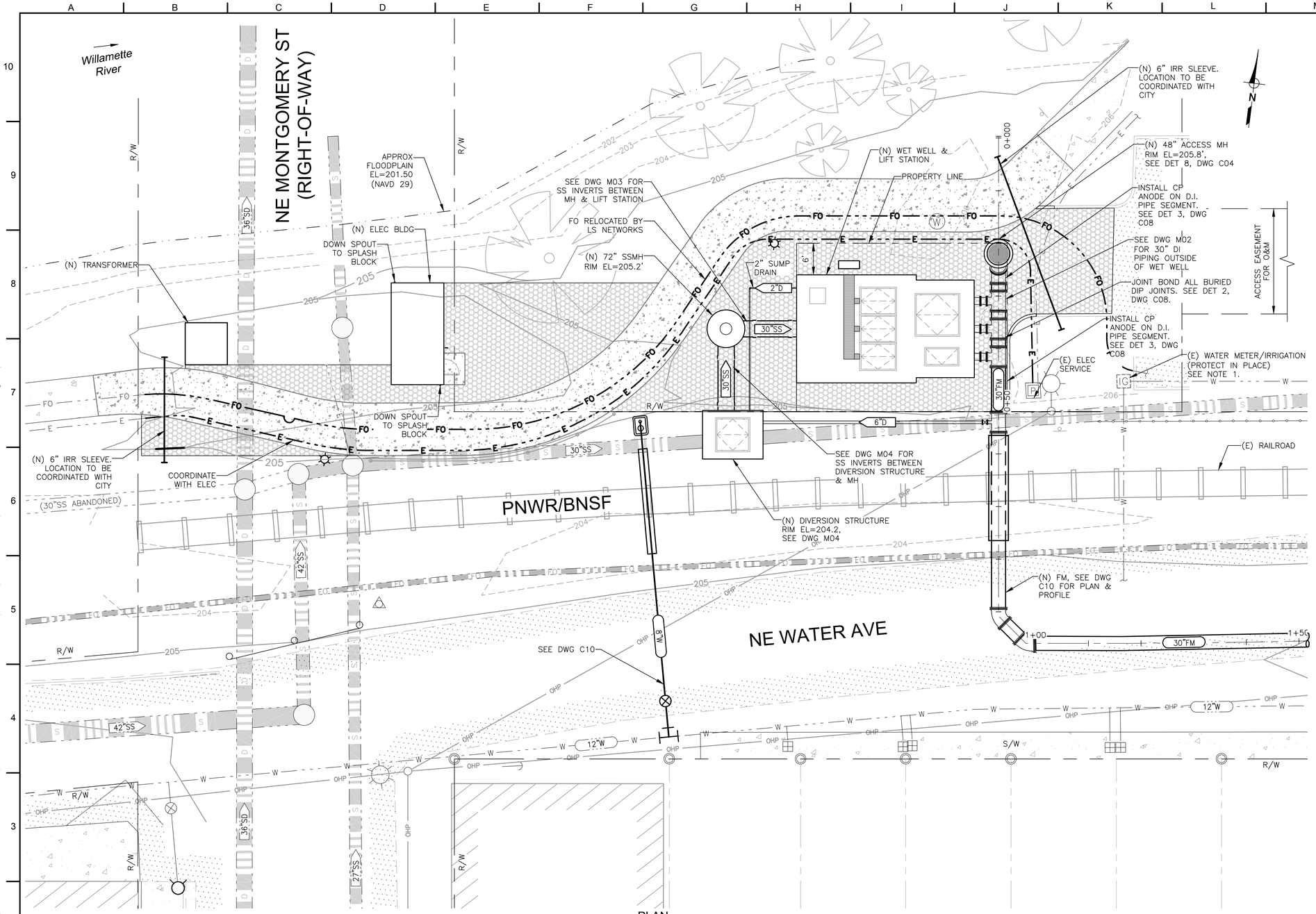
JOB NUMBER 519-14-18-18

DRAWING NUMBER **C02**

SHEET NUMBER 4 OF 59

REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C02.dwg 4/16/2019 3:59 PM rmurnane



NOTES:

1. THERE IS AN EXISTING IRRIGATION SYSTEM WITHIN PARK AREA. THE LOCATIONS OF IRRIGATION LINES ARE UNKNOWN. CONTRACTOR SHALL NOTIFY CITY AND ENGINEER WHEN FOUND AND CAP OFF IRRIGATION LINES WITHIN DISTURBANCE AREA. PARKS' MAINTENANCE STAFF WILL RESTORE IRRIGATION LINES.
2. COORDINATE WITH CITY STAFF ON PREFERRED LOCATIONS FOR NEW IRRIGATION SLEEVES.

PLAN

SCALE: 1"=10'

0 10' 20'

SCALE IN FEET

REGISTERED PROFESSIONAL ENGINEER
86320PE
Digitally Signed
OREGON
Dec. 12, 2018
MATTHEW P. HEWITT
EXPIRES : 6/30/2019

QC REVIEW: _____

DATE: _____

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AT FULL SCALE
IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : DAM
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES
4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY
OREGON
Est. 1850

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

SITE UTILITY PLAN

JOB NUMBER 519-14-18-18
DRAWING NUMBER **C03**
SHEET NUMBER 5 OF 59
REVISION

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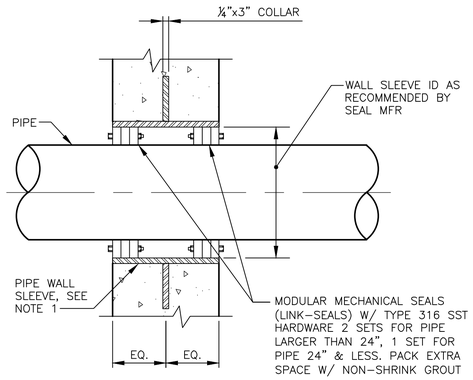


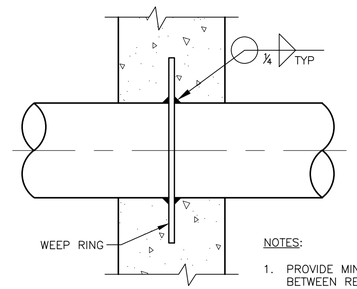
NOTES:

1. WALL SLEEVES SHALL BE SCHEDULE 40 PVC WITH WEEP RING.

WALL PENETRATION – TYPE 'A' NEW WALL PENETRATION

DETAIL 1/TYP

NOT TO SCALE



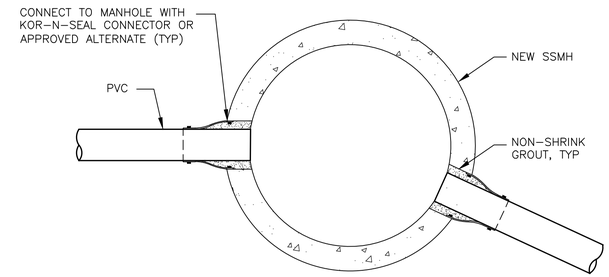
NOTES:

1. PROVIDE MINIMUM 2" CLEARANCE BETWEEN REINFORCING STEEL AND FERROUS METAL PENETRATIONS.
2. WEEP RINGS SHALL BE FABRICATED FROM ¼" MINIMUM PLATE AND HAVE A MINIMUM DIAMETER EQUAL TO THE PIPE DIAMETER PLUS 3-INCHES.

WALL PENETRATION – TYPE 'B' NEW WALL PENETRATION

DETAIL 2/TYP

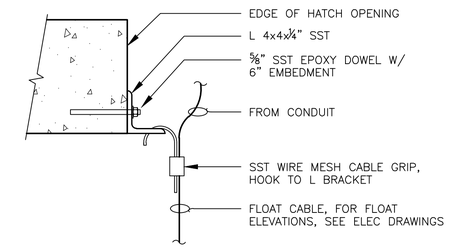
NOT TO SCALE



TYPICAL KOR-N-SEAL CONNECTION

DETAIL 3/VAR

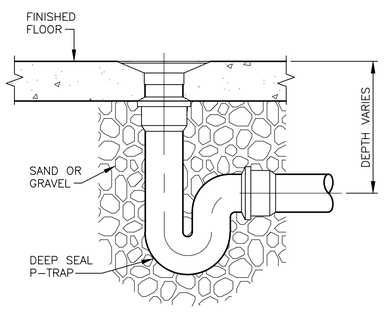
NOT TO SCALE



FLOAT SWITCH MOUNTING

DETAIL 4/TYP

NOT TO SCALE



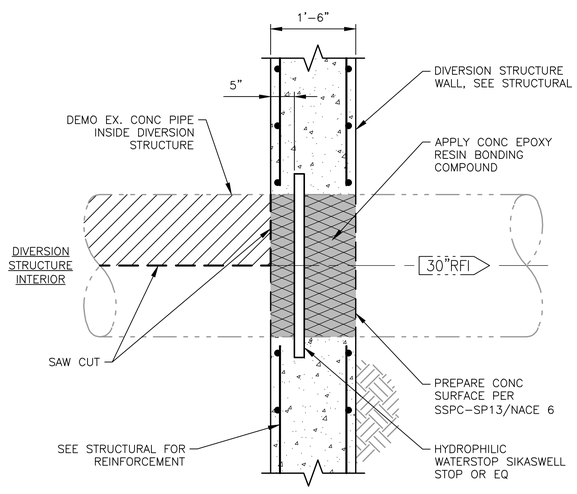
NOTES:

1. PROVIDE P-TRAPS ON ALL FLOOR DRAINS, EXCEPT WHERE NOTED.
2. SLOPE FLOOR 1% MINIMUM TO DRAIN.

FLOOR DRAIN

DETAIL 5/TYP

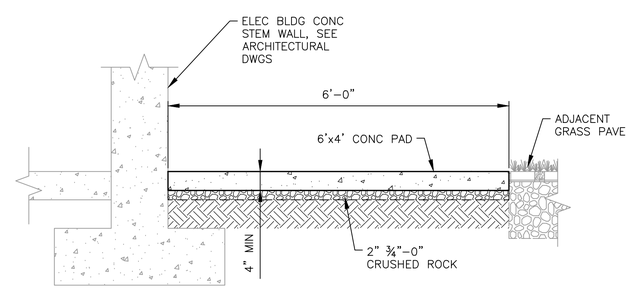
NOT TO SCALE



EXISTING PIPE WALL PENETRATION

DETAIL 6/TYP

NOT TO SCALE

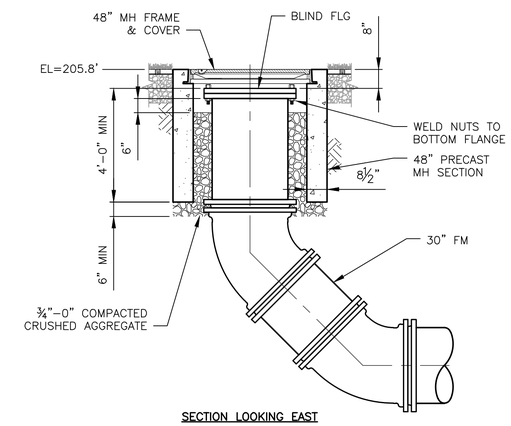


SECTION LOOKING NORTH

CONCRETE PAD AT DOOR

DETAIL 7/C02

SCALE: 3/4"=1'-0"



SECTION LOOKING EAST

PIG LAUNCHER CONNECTION ACCESS COVER

DETAIL 8/M02

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

REGISTERED PROFESSIONAL ENGINEER
86320PE
Digitally Signed
OREGON
DEC 12, 2018
MATTHEW P. HEWITT
EXPIRES : 6/30/2019

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH
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IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : SMB
DESIGNED BY : NEW/DAM
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES
4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY
OREGON
Inc. 1864

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

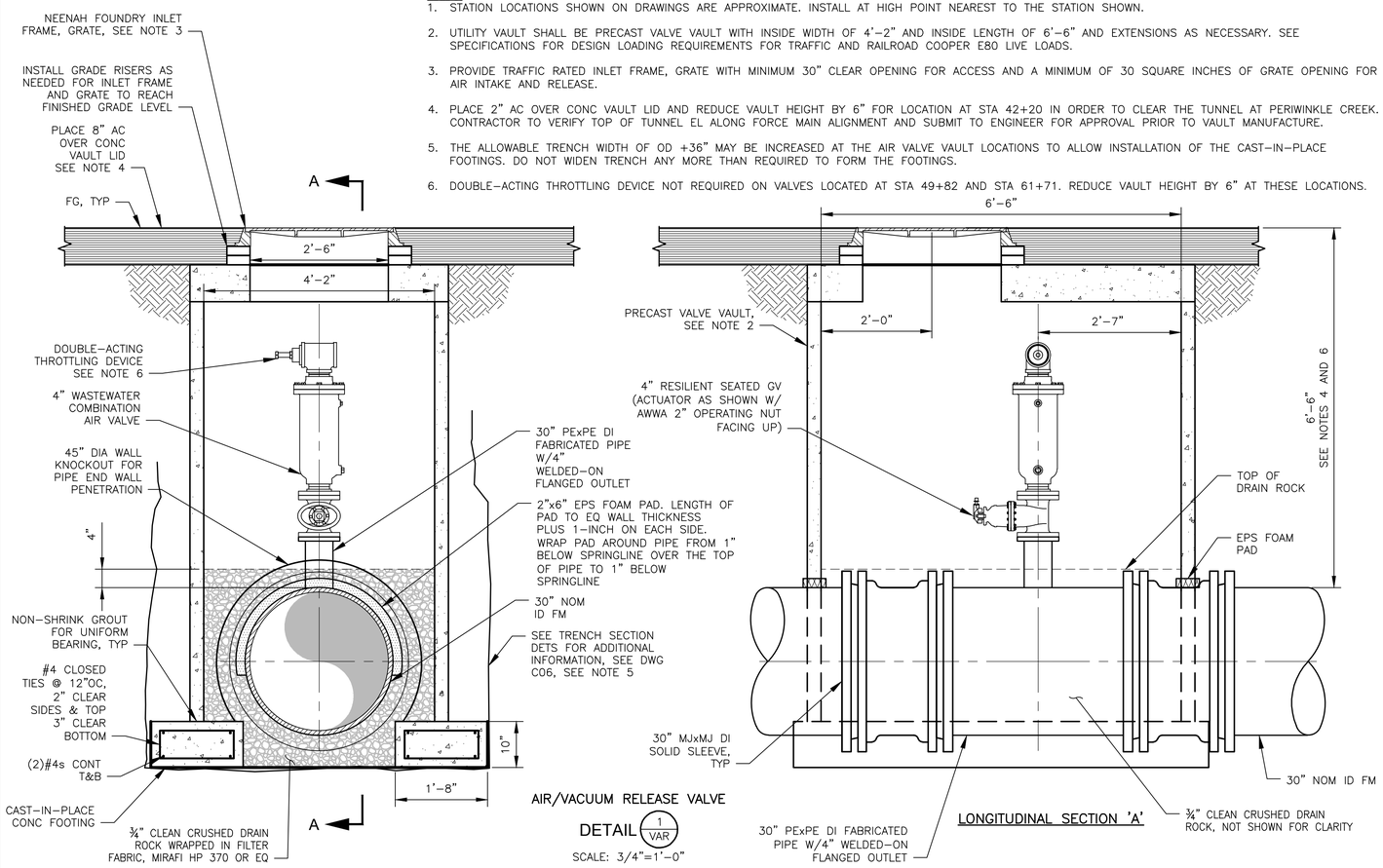
CIVIL DETAILS - 1

JOB NUMBER 519-14-18-18
DRAWING NUMBER **C04**
SHEET NUMBER 6 OF 59
REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C04.dwg 4/16/2019 11:15 AM rmurnane

NOTES:

1. STATION LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. INSTALL AT HIGH POINT NEAREST TO THE STATION SHOWN.
2. UTILITY VAULT SHALL BE PRECAST VALVE VAULT WITH INSIDE WIDTH OF 4'–2" AND INSIDE LENGTH OF 6'–6" AND EXTENSIONS AS NECESSARY. SEE SPECIFICATIONS FOR DESIGN LOADING REQUIREMENTS FOR TRAFFIC AND RAILROAD COOPER E80 LIVE LOADS.
3. PROVIDE TRAFFIC RATED INLET FRAME, GRATE WITH MINIMUM 30" CLEAR OPENING FOR ACCESS AND A MINIMUM OF 30 SQUARE INCHES OF GRATE OPENING FOR AIR INTAKE AND RELEASE.
4. PLACE 2" AC OVER CONC VAULT LID AND REDUCE VAULT HEIGHT BY 6" FOR LOCATION AT STA 42+20 IN ORDER TO CLEAR THE TUNNEL AT PERIWINKLE CREEK. CONTRACTOR TO VERIFY TOP OF TUNNEL EL ALONG FORCE MAIN ALIGNMENT AND SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO VAULT MANUFACTURE.
5. THE ALLOWABLE TRENCH WIDTH OF OD +36" MAY BE INCREASED AT THE AIR VALVE VAULT LOCATIONS TO ALLOW INSTALLATION OF THE CAST–IN–PLACE FOOTINGS. DO NOT WIDEN TRENCH ANY MORE THAN REQUIRED TO FORM THE FOOTINGS.
6. DOUBLE–ACTING THROTTLING DEVICE NOT REQUIRED ON VALVES LOCATED AT STA 49+82 AND STA 61+71. REDUCE VAULT HEIGHT BY 6" AT THESE LOCATIONS.

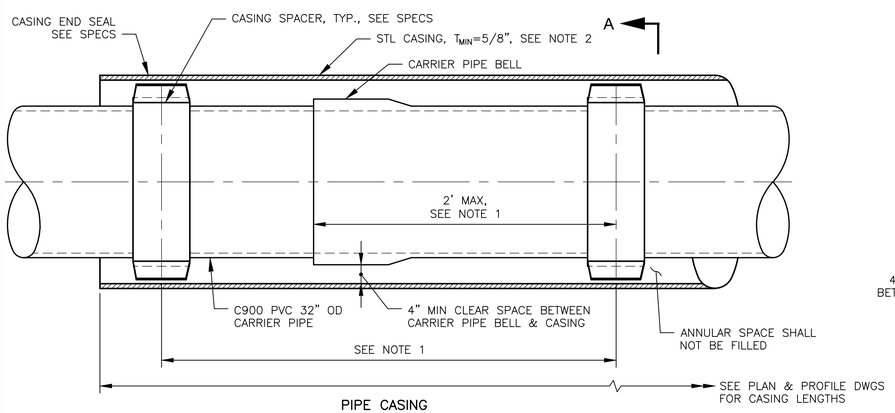


AIR/VACUUM RELEASE VALVE

DETAIL 1/VAR

SCALE: 3/4"=1'–0"

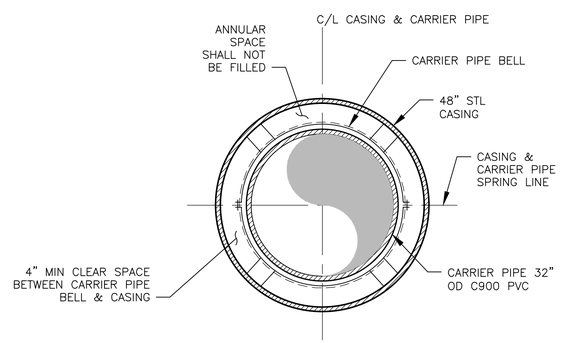
LONGITUDINAL SECTION 'A'



PIPE CASING

DETAIL 3/VAR

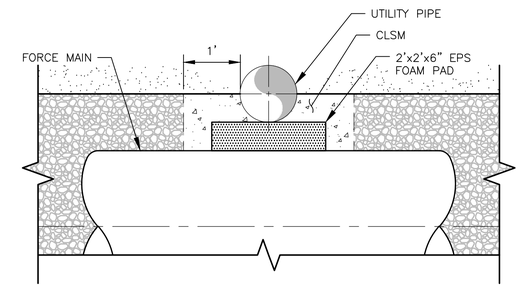
SCALE: NOT TO SCALE



SECTION 'A'

NOTES:

1. PROVIDE SPACERS WITHIN 2' OF EACH PIPE BELL AND ADDITIONAL SPACERS EVERY 8' MAXIMUM.
2. CONTRACTOR TO VERIFY CASING WALL THICKNESS WITH THE CITY OF ALBANY ENGINEERING DEPARTMENT.

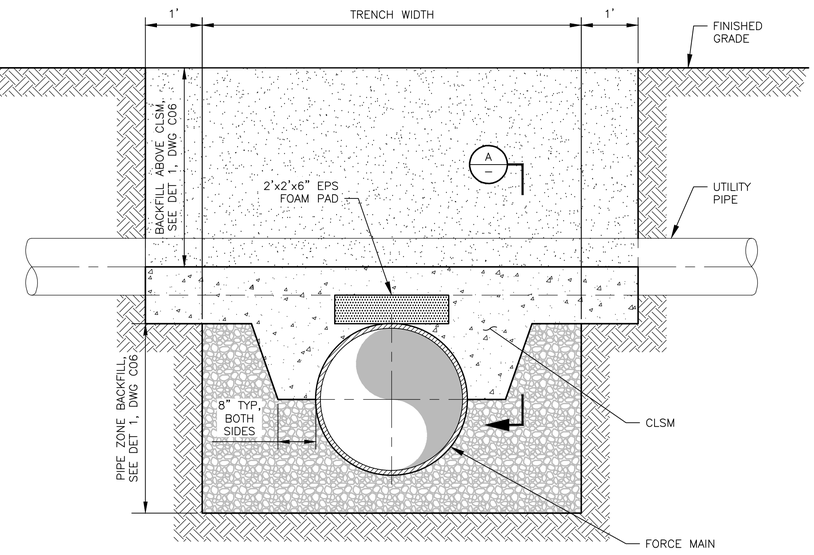


SECTION A

NOT TO SCALE

NOTES:

1. UNDERGROUND UTILITY SUPPORT REQUIRED FOR UTILITY CLEARANCE LESS THAN 12" OUTSIDE DIAMETER TO OUTSIDE DIAMETER.



UNDERGROUND UTILITY SUPPORT

DETAIL 2/VAR

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV. 14, 2017 BROOKE VICTORIA BARRY

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH AT FULL SCALE IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES
4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY OREGON Inc. 1864

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

CIVIL DETAILS - 2

JOB NUMBER 519–14–18–18

DRAWING NUMBER **C05**

SHEET NUMBER 7 OF 59

REVISION

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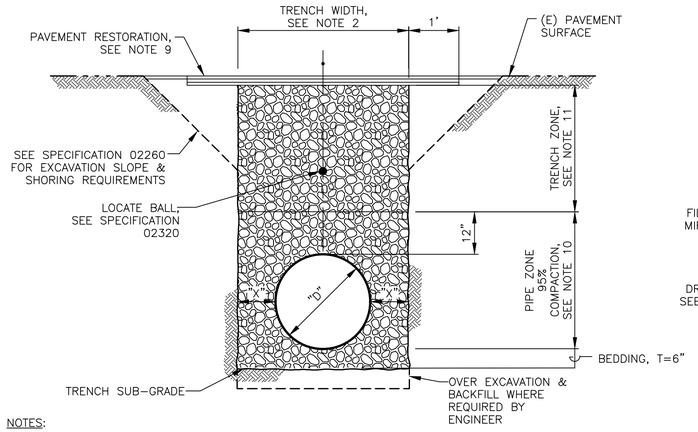


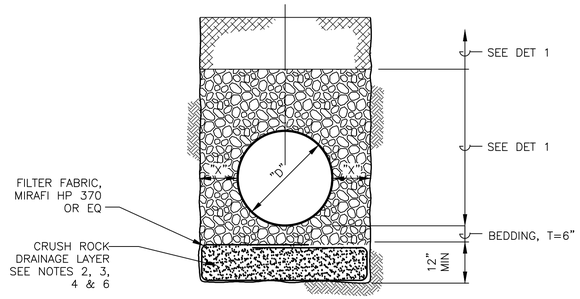
NOTES:

1. DIMENSION "D" IS THE PIPE OUTSIDE DIAMETER.
2. CLEARANCE "X" SHALL BE 18 INCHES.
3. BEDDING MATERIAL SHALL BE ¾"–0" CRUSHED AGGREGATE MEETING THE REQUIREMENTS OF SECTION 00405.12 OF THE 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (2018 OSSC). COMPACT BEDDING MATERIAL TO 95% PER MODIFIED PROCTOR TEST METHOD ASTM D1557.
4. PIPE ZONE MATERIAL SHALL BE ¾"–0" CRUSHED AGGREGATE MEETING THE REQUIREMENTS OF SECTION 00405.12 OF THE 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (2018 OSSC).
5. EXCAVATION SLOPES SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY, ACTUAL TRENCH SIDEWALLS MAY BE VERTICAL, SLOPES, OR A COMBINATION THEREOF DEPENDING ON THE SOIL AND EXCAVATION CONDITIONS, CONSTRUCTION METHODS, AND SAFETY REGULATIONS.
6. WHERE DIRECTED BY THE ENGINEER, GRANULAR TRENCH STABILIZATION SHALL BE PLACED PRIOR TO PLACEMENT OF THE BEDDING. SIZE AND DEPTH ARE DEPENDENT ON SOIL CONDITIONS.
7. MODIFY TRENCH SECTION PER DETAIL 2 FOR TRENCHES IN WET AREAS.
8. IT IS ANTICIPATED THAT SUBGRADE SOILS WILL CONTAIN GRAVEL AND COBBLES UP TO AT LEAST 12 INCHES IN DIAMETER. WHERE APPROVED BY THE ENGINEER OVER–EXCAVATION MAY NEED TO EXTEND MORE THAN 4 INCHES BELOW THE DESIGN PIPE BEDDING DEPTH. BEDDING SHALL BE A MINIMUM OF 6 INCHES AND CONSIST OF CRUSHED AGGREGATE WITH LESS THAN 5% BY DRY WEIGHT PASSING A U.S. NO. 200 SIEVE AND SHALL MEET OSSC 2018 SECTION 00405.14 (CLASS B AGGREGATE). COMPACT OVER–EXCAVATION MATERIAL TO 95% PER MODIFIED PROCTOR TEST METHOD ASTM D1557. SEE SPECIFICATION 02321.
9. IN PAVED AREAS TRENCH PAVEMENT RESTORATION SHALL FOLLOW CITY OF ALBANY TEE CUT PAVEMENT RESTORATION DETAIL, NO. 206A UNLESS OTHERWISE NOTED IN THE PLANS. FOR PAVEMENT THICKNESSES SEE SPECIFICATION SECTION 02953. FOR NEW ASPHALTIC PAVEMENT OR PCC PAVEMENT IN (E) RIGID PAVEMENT SURFACES, REFER TO CITY OF ALBANY STANDARD DETAIL NO. 207. FOR SURFACE RESTORATION OF JACKSON AND HILL INTERSECTIONS, SEE DETAIL 4.
10. ALL COMPACTION REQUIREMENTS SHALL BE PER MODIFIED PROCTOR TEST METHOD ASTM D1557.
11. TRENCH ZONE MATERIAL BACKFILL SHALL BE ¾"–0 CRUSHED AGGREGATE, WITH LESS THAN 5 PERCENT BY DRY WEIGHT PASSING A U.S. STANDARD NO. 200 SIEVE AND SHALL MEET THE REQUIREMENTS OF SECTION 00405.14 OF THE 2018 OSSC (CLASS B BACKFILL). COMPACT BACKFILL TO 93% PER MODIFIED PROCTOR TEST METHOD ASTM D1557.
12. COMPLY WITH THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.

TRENCH SECTION

DETAIL 1/–

NOT TO SCALE



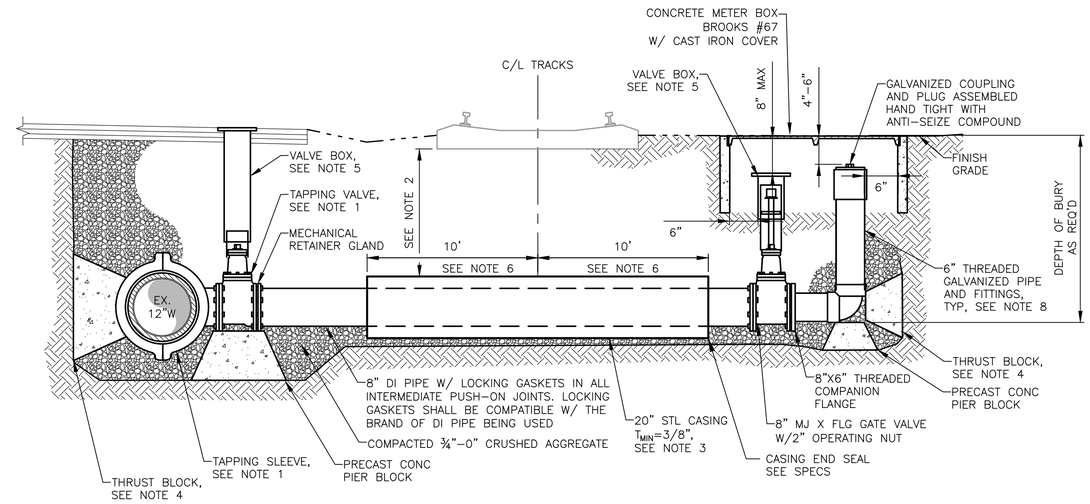
NOTES:

1. SEE STANDARD TRENCH DETAIL 1 FOR OTHER TRENCH REQUIREMENTS.
2. DRAINAGE LAYER SHALL BE OPEN, FREE DRAINING CRUSHED ROCK MATERIALS WITH A 1½ TO ¾–INCH GRADATION. MEETING THE REQUIREMENTS OF SECTION 00430.11 OF THE 2018 OSSC.
3. CRUSHED ROCK FOR DRAINAGE LAYER SHALL HAVE LESS THAN 2 PERCENT BY WEIGHT PASSING THE NO. 200 WET SIEVE; AND 90 PERCENT OF PARTICLES BY WEIGHT RETAINED ON THE U.S. NO. 4 SIEVE SHOULD HAVE AT LEAST TWO FRACTURED FACES.
4. ENCOMPASS CRUSHED ROCK WITH FILTER FABRIC, OVERLAP FABRIC 18 INCHES MINIMUM.
6. COMPACT DRAINAGE LAYER MATERIAL TO 95% PER MODIFIED PROCTOR TEST METHOD ASTM D1557.
7. FINAL BACKFILL/PAVEMENT SECTION PER DETAIL 1.

WET TRENCH SECTION

DETAIL 2/–

SCALE: NOT TO SCALE



NOTES:

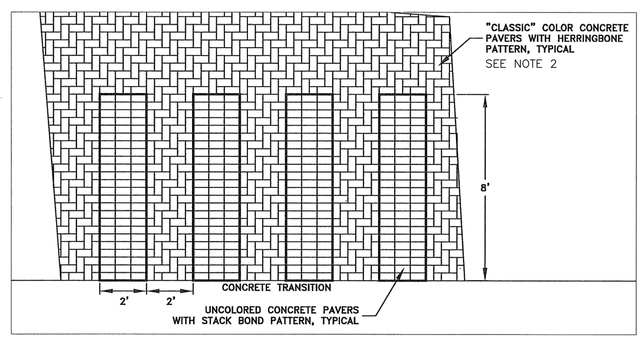
1. COORDINATE 12" X 8" LIVE TAP ON EXISTING 12" CAST IRON WATER MAIN WITH THE CITY OF ALBANY. SEE SPECIFICATIONS.
2. TOP OF STEEL CASING SHALL HAVE A MINIMUM DEPTH OF 5.5' FROM BASE OF RAIL. IF NEEDED, INSTALL 8" DI MJ 45° BENDS TO ADJUST DEPTH TO MEET THIS REQUIREMENT.
3. CONTRACTOR TO VERIFY CASING WALL THICKNESS WITH THE CITY OF ALBANY ENGINEERING DEPARTMENT. PROVIDE CASING SPACERS WITH 2' OF EACH PIPE BELL AND ADDITIONAL SPACERS EVERY 8' MAXIMUM. DO NOT FILL THE ANNULAR SPACE. PROVIDE 4" MIN CLEAR SPACE BETWEEN CARRIER PIPE BELL & CASING.
4. THRUST BLOCK SHALL BE PER THE CITY OF ALBANY STANDARD DETAIL NO. 501 AND SHALL MEET THE REQUIREMENTS OF THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS.
5. STANDARD VALVE BOX PER CITY OF ALBANY STANDARD DETAIL NO. 502. COMPLY WITH THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS.
6. CONFIRM CASING LENGTH W/ ENGINEER AFTER CASING DEPTH IS VERIFIED.
7. DUCTILE IRON JOINTS ON CARRIER PIPE SHALL BE RESTRAINED.
8. GALVANIZED STEEL PIPE AND FITTINGS SHALL COMPLY WITH SECTION 501.01.03 OF THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS.

FM FLUSHING CONNECTION

DETAIL 3/–

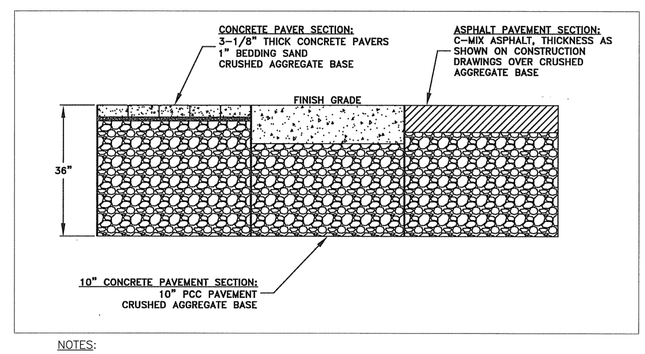
NOT TO SCALE

DETAIL A
TYPICAL CONCRETE PAVER PATTERNS
NOT TO SCALE



CROSSWALK PATTERN

DETAIL C
TYPICAL STREET CROSS SECTIONS
NOT TO SCALE



NOTES:

1. COMPACT AGGREGATE BASE TO 98% PER MODIFIED PROCTOR TEST METHOD ASTM D1557.
2. CONTRACTOR TO REMOVE, PROTECT, AND RE–USE EXISTING CONCRETE PAVERS.

JACKSON AND HILL SURFACE REPLACEMENT

DETAIL 4/–

SCALE: NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV. 14, 2017 BROOKE VICTORIA BARRY

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH AT FULL SCALE IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES
4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

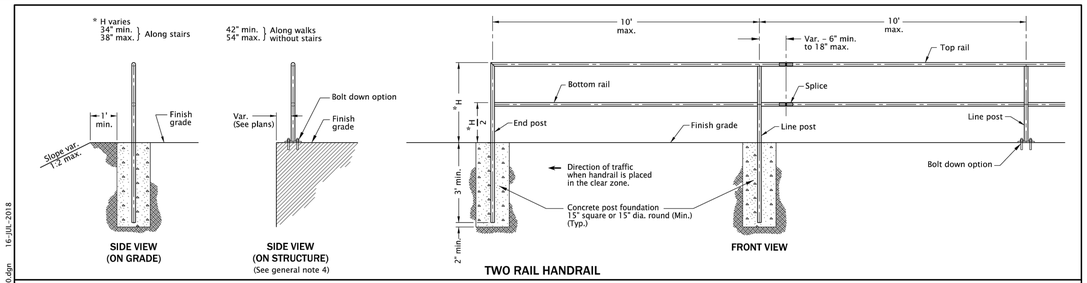
CITY OF ALBANY • OREGON • Inc. 1864

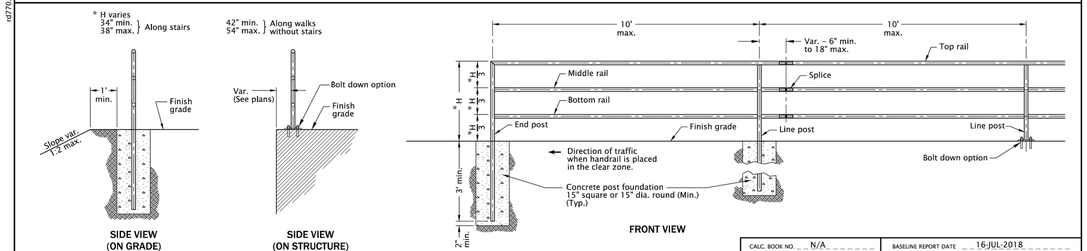
CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

CIVIL DETAILS - 3

JOB NUMBER 519–14–18–18
DRAWING NUMBER **C06**
SHEET NUMBER 8 OF 59
REVISION

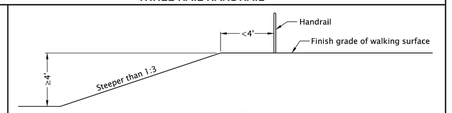
P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C06.dwg 4/16/2019 1:09 PM rmurnane





GENERAL NOTES FOR ALL DETAILS:

1. Handrail details are based on ODOT applicable standards.
2. See Std. Dwg. RD771 for details not shown.
3. Hot-dip galvanize all metal parts after fabrication.
4. Structure varies, see project plans.
5. Handrail height (H) shall be constant within a run.
6. All concrete shall be commercial grade concrete.
7. See Std. Dwg. RD120 for concrete stairway.
8. See project plans for details not shown.



WHEN HANDRAIL IS REQUIRED FOR WALKING SURFACES

CALC. BOOK NO. N/A

BASELINE REPORT DATE 16-JUL-2018

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

PEDESTRIAN HANDRAIL

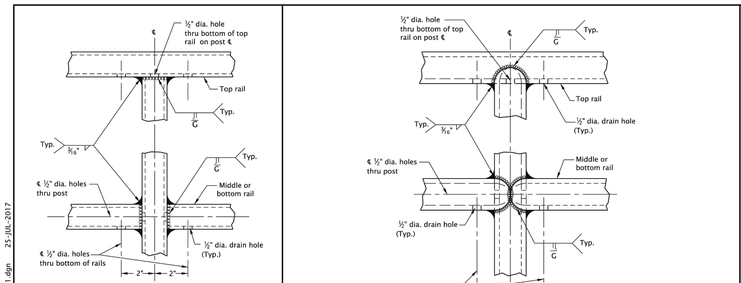
2018

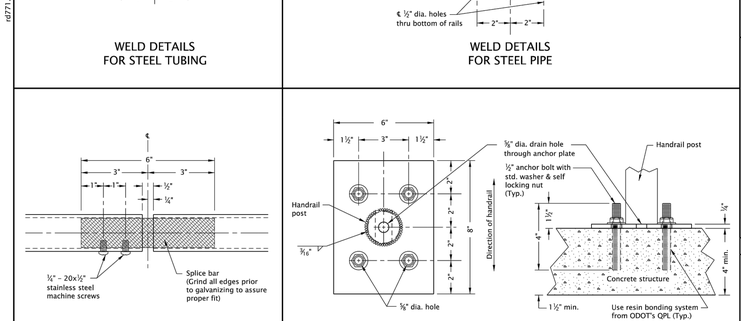
DATE	REVISION DESCRIPTION
07-2018	REVISED NOTES

RD770

Effective Date: December 1, 2018 - May 31, 2019

rd770.dgn 16-JUL-2018





MATERIAL TABLES

STEEL PIPE POST & RAIL MEMBERS				ROUND SPLICE BAR
NOM. DIA.	SCH.	O.D.	I.D.	O.D.
1½"	40	1.660"	1.380"	1¼"
1½"	10	1.900"	1.682"	1½"
	40	1.900"	1.610"	

SQUARE STRUCTURAL STEEL TUBING POST & RAIL MEMBERS		SQUARE SPLICE BAR
Outside Dimensions	Wall Thickness	Outside Dimensions
1½"x1½"	⅛"	1"x1"
	3/16"	¾"x¾"

GENERAL NOTES FOR ALL DETAILS:

1. Handrail details are based on United States Access Board Standards.
2. Select materials from tables. Posts and rails shall be identical material. Structural steel tubing shall conform to ASTM specification A500, grade B.
3. Posts shall be vertical. The top rail shall be continuous over a minimum of two posts.
4. On structure, the railing shall conform to the vertical alignment of the structure. Rails shall have a splice in the post space occurring at expansion joints.
5. On grade, rails shall have splices at intervals not to exceed 100'.
6. Hot-dip galvanize all metal parts after fabrication.
7. See Std Dwg. RD770 for details not shown.
8. See Std Dwg. RD120 for concrete stairway.
9. See project plans for details not shown.

CALC. BOOK NO. RD12-01

BASELINE REPORT DATE 25-JUL-2017

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

PEDESTRIAN HANDRAIL DETAILS

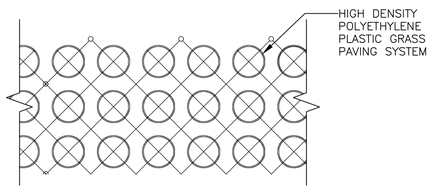
2018

DATE	REVISION DESCRIPTION

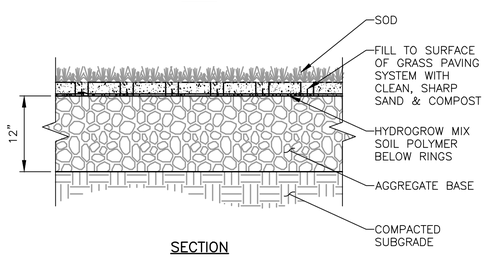
RD771

Effective Date: June 1, 2018 - November 30, 2018

rd771.dgn 25-JUL-2017



PLAN



SECTION

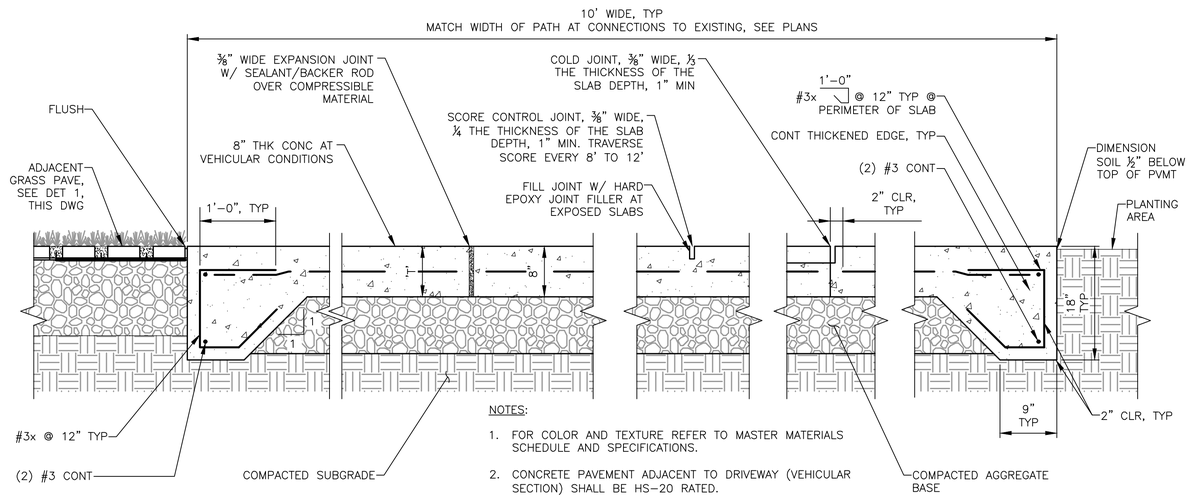
NOTES:

1. REINFORCED TURF TO MEET OR EXCEED 15,940 PSI COMPRESSIVE STRENGTH AND ACCOMMODATE 60,000LB GROSS VEHICLE WEIGHT.

GRASSPAVE

DETAIL 1/—

SCALE: 1"=1'-0"



NOTES:

1. FOR COLOR AND TEXTURE REFER TO MASTER MATERIALS SCHEDULE AND SPECIFICATIONS.
2. CONCRETE PAVEMENT ADJACENT TO DRIVEWAY (VEHICULAR SECTION) SHALL BE HS-20 RATED.
3. SLAB CONTROL JOINTS ARE TO BE INSTALLED AT 24T OR AS SHOWN ON PLANS. SLAB CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT AS REQUIRED.

CONCRETE PAVEMENT ON GRADE

DETAIL 2/C02

SCALE: 1"=1'-0"

REGISTERED PROFESSIONAL ENGINEER 79697PE DIGITALLY SIGNED OREGON JULY 10, 2007 DAPHNE ANNE MARCYAN

EXPIRES : 12/31/2020

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH AT FULL SCALE IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : DAM
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

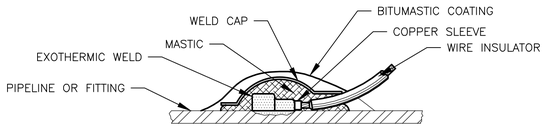
WEST YOST ASSOCIATES
4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

CIVIL DETAILS - 4

JOB NUMBER 519-14-18-18
DRAWING NUMBER **C07**
SHEET NUMBER 9 OF 59
REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C07.dwg 4/16/2019 3:08 PM rmurnane



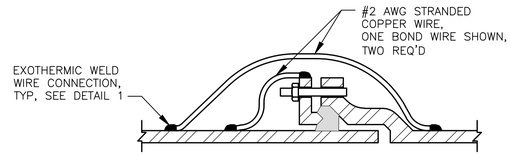
NOTES:

1. APPLY WELD CAP DIRECTLY TO PIPE, NOT TO PIPE WRAP. USE PRIMER AS REQUIRED BY THE MANUFACTURER.
2. COMPLETELY ENCLOSE WIRE WITHIN WELD CAP.
3. REPAIR ANY DAMAGED COATING NOT COVERED BY WELD CAP.

EXOTHERMIC WELD

DETAIL 1/VAR

SCALE: NOT TO SCALE



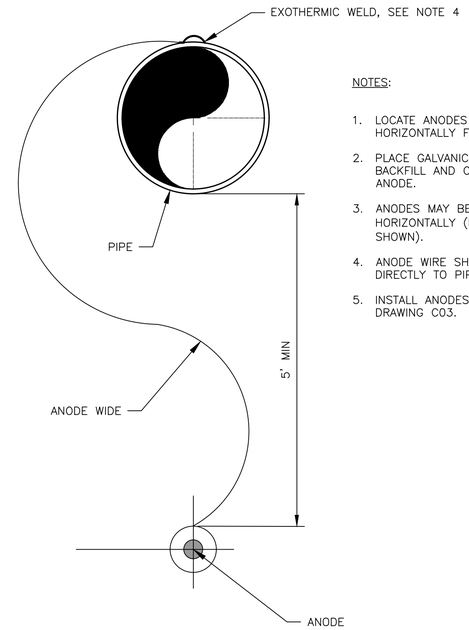
NOTES:

1. JOINT BOND ALL BURIED DIP JOINTS. SEE DWG C03 AND M02.

JOINT BOND

DETAIL 2/VAR

SCALE: NOT TO SCALE



NOTES:

1. LOCATE ANODES A MAXIMUM OF THREE FEET HORIZONTALLY FROM CENTERLINE OF PIPE.
2. PLACE GALVANIC ANODE IN CLEAN NATIVE BACKFILL AND COMPACT TO ONE FOOT ABOVE ANODE.
3. ANODES MAY BE PLACED UPRIGHT OR HORIZONTALLY (HORIZONTAL INSTALLATION SHOWN).
4. ANODE WIRE SHALL BE EXOTHERMIC WELDED DIRECTLY TO PIPE. SEE DETAIL 1.
5. INSTALL ANODES AT LOCATIONS SHOWN ON DRAWING C03.

GALVANIC ANODE INSTALLATION

DETAIL 3/VAR

SCALE: NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
79697PE
DIGITALLY SIGNED
OREGON
JULY 10, 2007
DAPHNE ANNE MARCYAN
EXPIRES : 12/31/2020

QC REVIEW: _____

DATE: _____

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AT FULL SCALE
IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : DAM/BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES
4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

CIVIL DETAILS - 5

JOB NUMBER 519-14-18-18

DRAWING NUMBER **C08**

SHEET NUMBER 10 OF 59

REVISION

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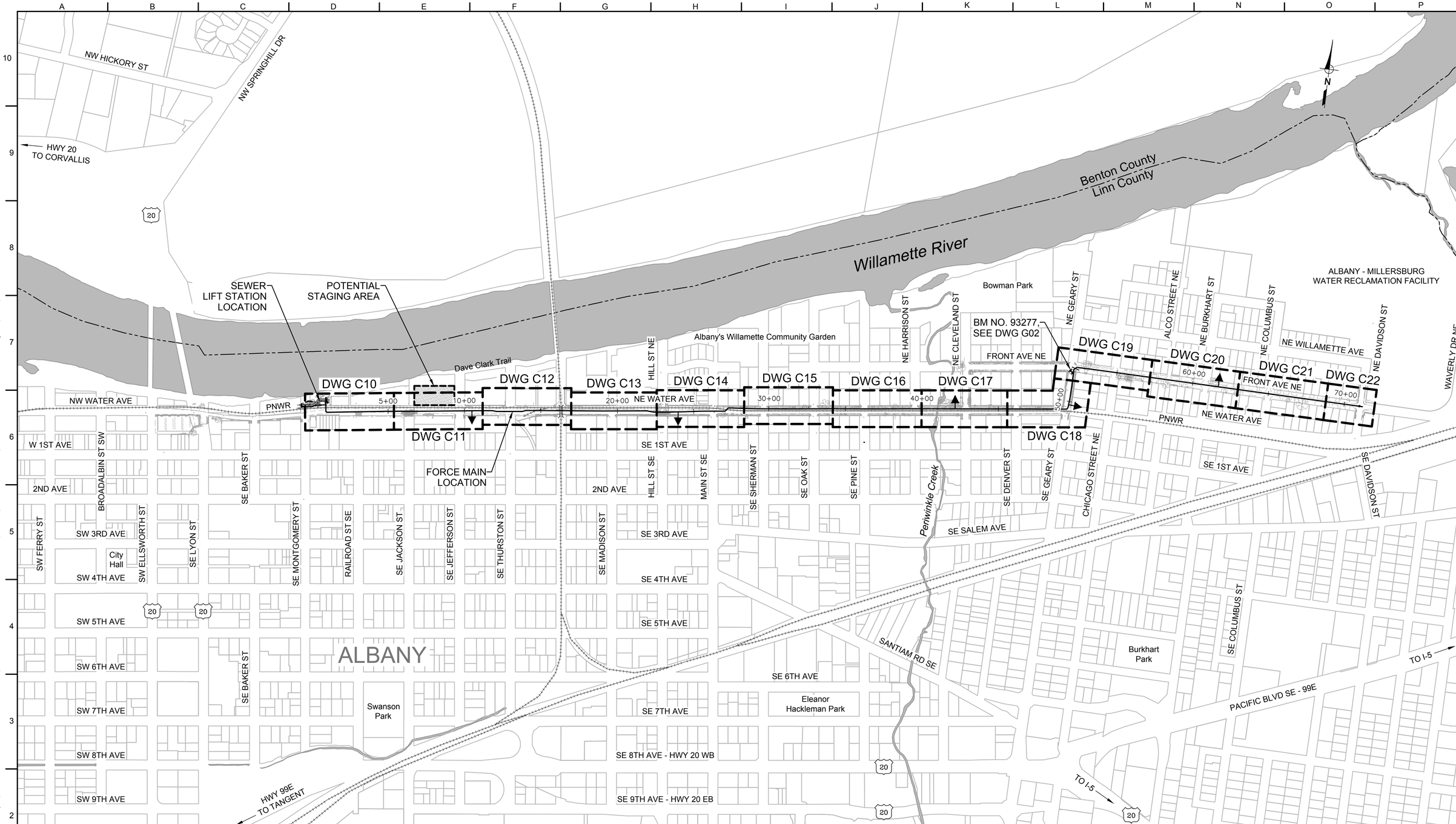


PLAN

SCALE: 1"=300'

REGISTERED PROFESSIONAL ENGINEER
79697PE
DIGITALLY SIGNED
OREGON
JULY 10, 2007
DAPHNE ANNE MARCYAN
EXPIRES : 12/31/2020

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH
AT FULL SCALE
IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : DAM/BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES

4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY
OREGON
Est. 1850

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE INDEX

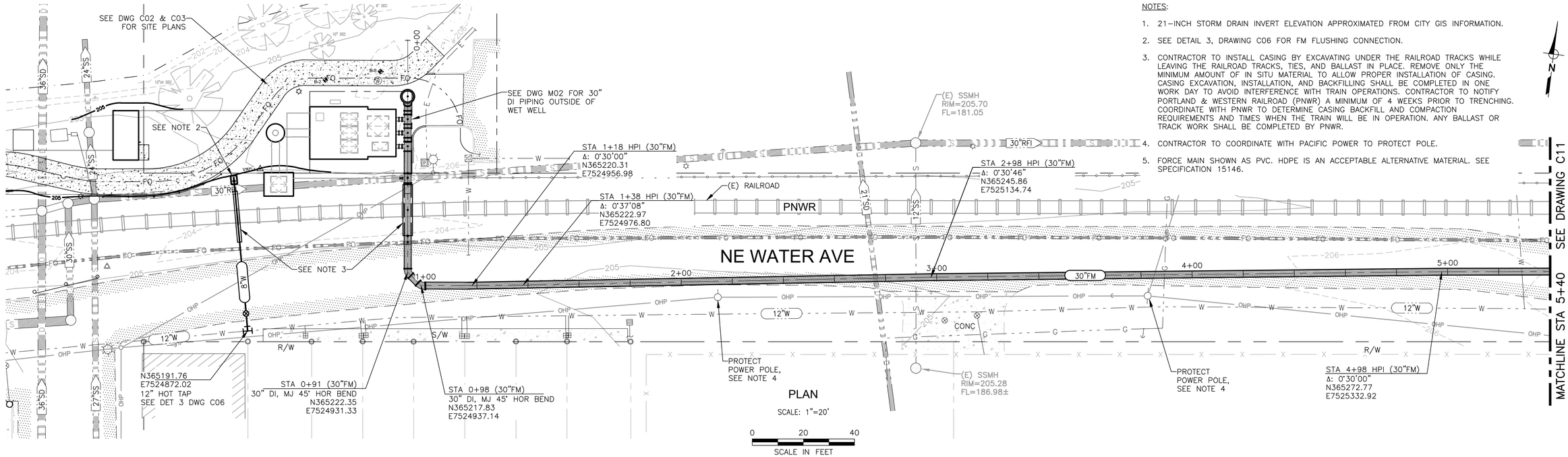
JOB NUMBER
519-14-18-18

DRAWING NUMBER
C09

SHEET NUMBER
11 OF 59

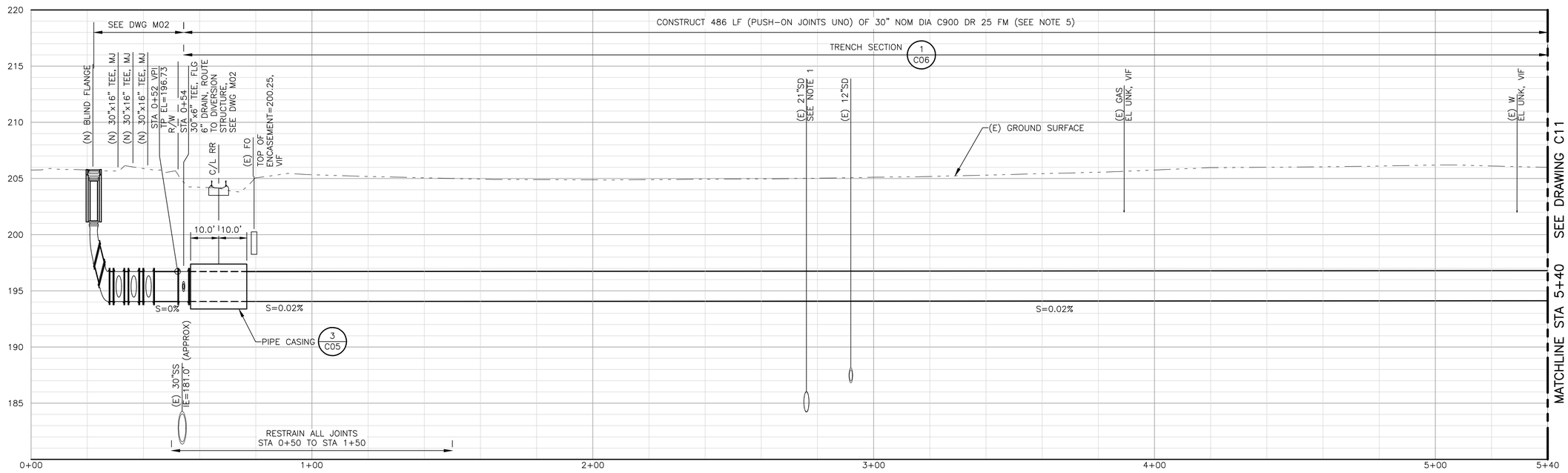
REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C09.dwg 4/16/2019 11:51 AM rmurnane



NOTES:

1. 21-INCH STORM DRAIN INVERT ELEVATION APPROXIMATED FROM CITY GIS INFORMATION.
2. SEE DETAIL 3, DRAWING C06 FOR FM FLUSHING CONNECTION.
3. CONTRACTOR TO INSTALL CASING BY EXCAVATING UNDER THE RAILROAD TRACKS WHILE LEAVING THE RAILROAD TRACKS, TIES, AND BALLAST IN PLACE. REMOVE ONLY THE MINIMUM AMOUNT OF IN SITU MATERIAL TO ALLOW PROPER INSTALLATION OF CASING. CASING EXCAVATION, INSTALLATION, AND BACKFILLING SHALL BE COMPLETED IN ONE WORK DAY TO AVOID INTERFERENCE WITH TRAIN OPERATIONS. CONTRACTOR TO NOTIFY PORTLAND & WESTERN RAILROAD (PNWR) A MINIMUM OF 4 WEEKS PRIOR TO TRENCHING. COORDINATE WITH PNWR TO DETERMINE CASING BACKFILL AND COMPACTION REQUIREMENTS AND TIMES WHEN THE TRAIN WILL BE IN OPERATION. ANY BALLAST OR TRACK WORK SHALL BE COMPLETED BY PNWR.
4. CONTRACTOR TO COORDINATE WITH PACIFIC POWER TO PROTECT POLE.
5. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER
85993PE
DIGITALLY SIGNED
OREGON
NOV 14, 2017
BROOKE VICTORIA BARRY
EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH
AT FULL SCALE
IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES
4949 Meadows Road
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(503) 451-4500
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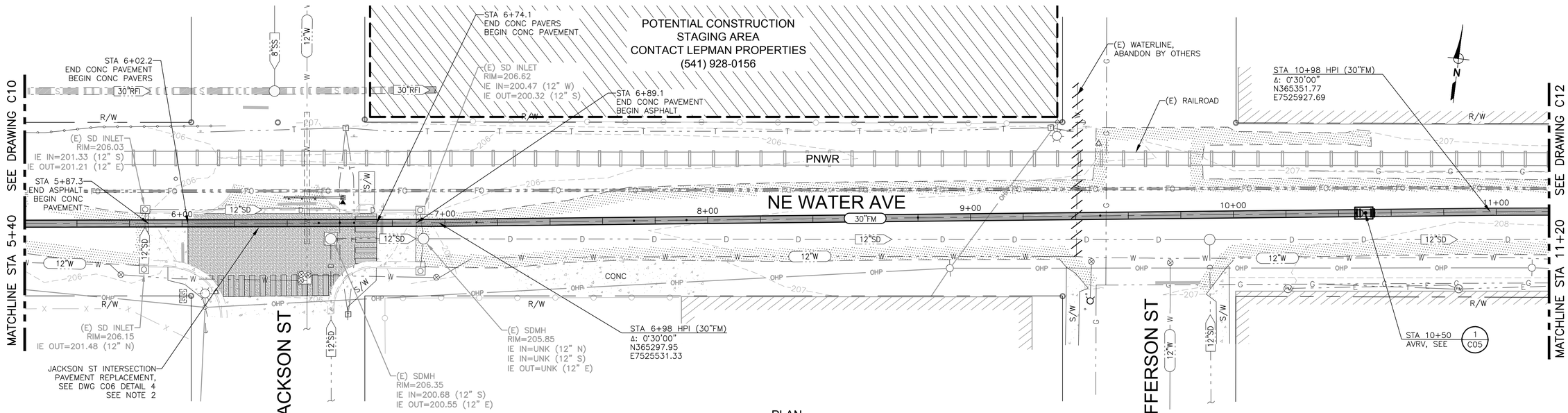
CITY OF ALBANY
OREGON
Est. 1850

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 1
STA 0+00 TO STA 5+40

JOB NUMBER 519-14-18-18
DRAWING NUMBER **C10**
SHEET NUMBER 12 OF 59
REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane



PLAN

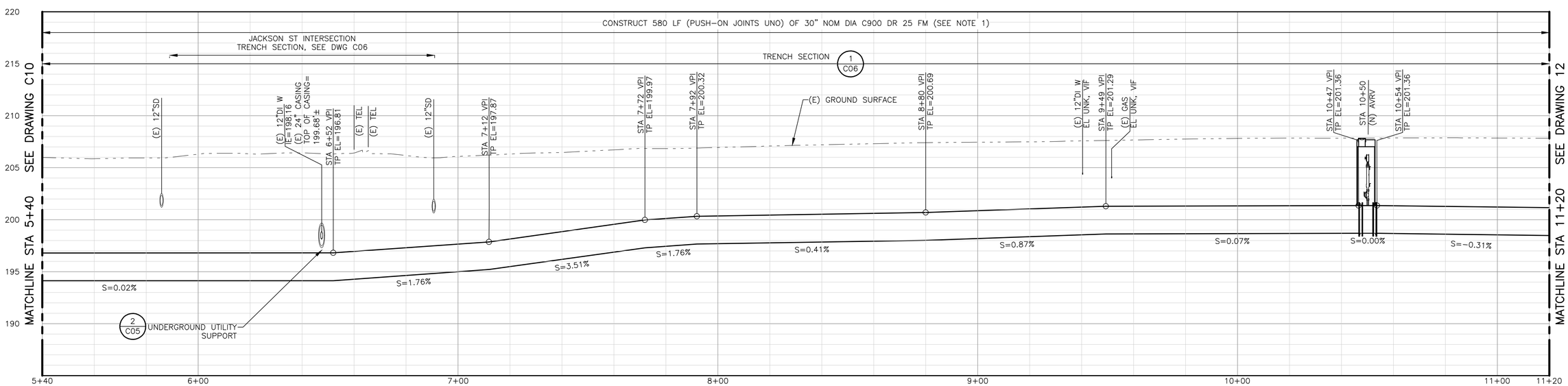
SCALE: 1"=20'

0 20 40

SCALE IN FEET

NOTES:

1. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.
2. CONTRACTOR TO MAINTAIN ACCESS TO NORTH SIDE OF JACKSON STREET INTERSECTION DURING BUSINESS HOURS. SEE SPECIFICATIONS.



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV 14, 2017 BROOKE VICTORIA BARRY

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH
AT FULL SCALE
IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

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4949 Meadows Road
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CITY OF ALBANY
OREGON
Inc. 1864

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 2
STA 5+40 TO STA 11+20

JOB NUMBER 519-14-18-18

DRAWING NUMBER **C11**

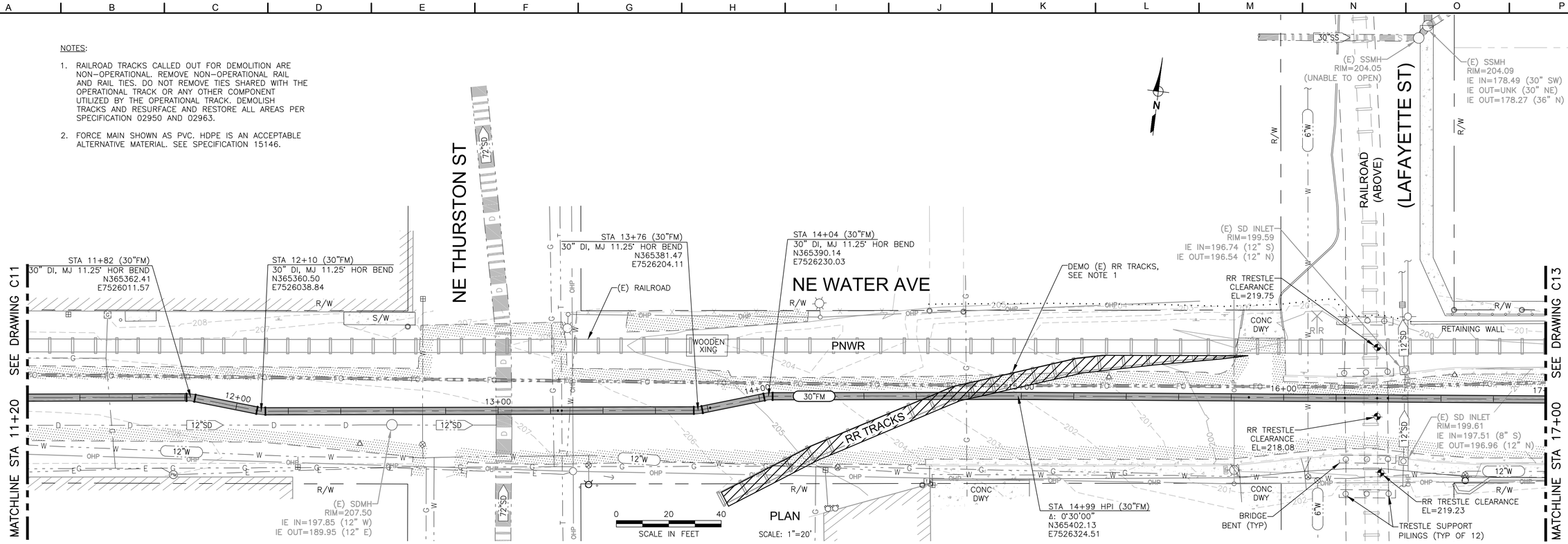
SHEET NUMBER 13 OF 59

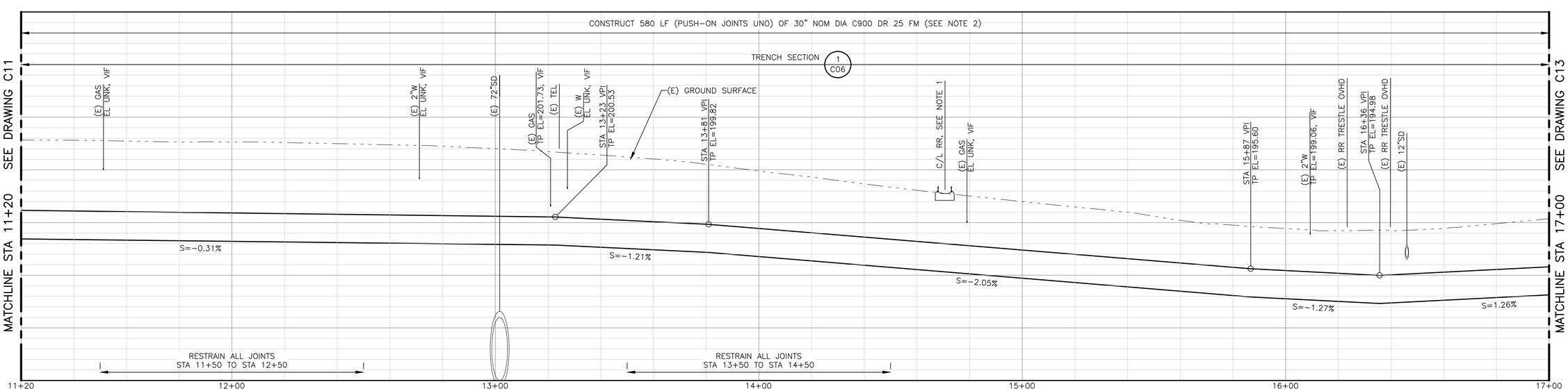
REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane

NOTES:

1. RAILROAD TRACKS CALLED OUT FOR DEMOLITION ARE NON-OPERATIONAL. REMOVE NON-OPERATIONAL RAIL AND RAIL TIES. DO NOT REMOVE TIES SHARED WITH THE OPERATIONAL TRACK OR ANY OTHER COMPONENT UTILIZED BY THE OPERATIONAL TRACK. DEMOLISH TRACKS AND RESURFACE AND RESTORE ALL AREAS PER SPECIFICATION 02950 AND 02963.
2. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.





REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV 14, 2017 BROOKE VICTORIA BARRY
EXPIRES : 12/31/2019

QC REVIEW: _____
DATE: _____

THIS LINE IS 1 INCH
AT FULL SCALE
IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES
4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

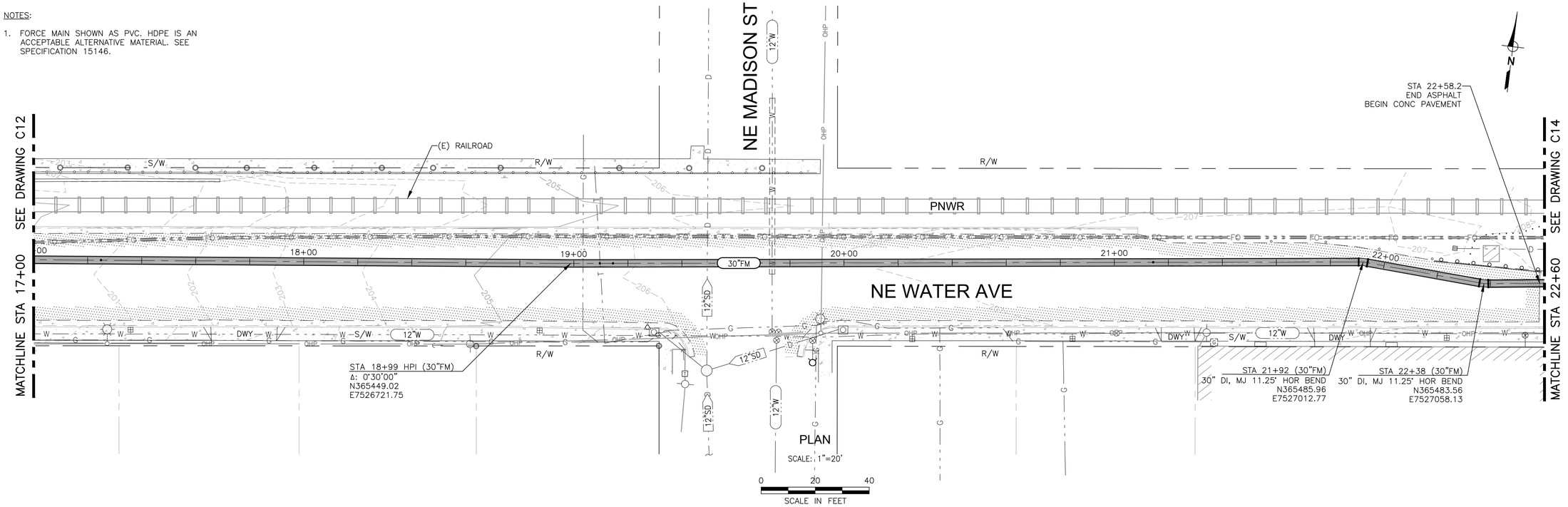
PLAN AND PROFILE - 3
STA 11+20 TO STA 17+00

JOB NUMBER 519-14-18-18
DRAWING NUMBER C12
SHEET NUMBER 14 OF 59
REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane

NOTES:

1. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.

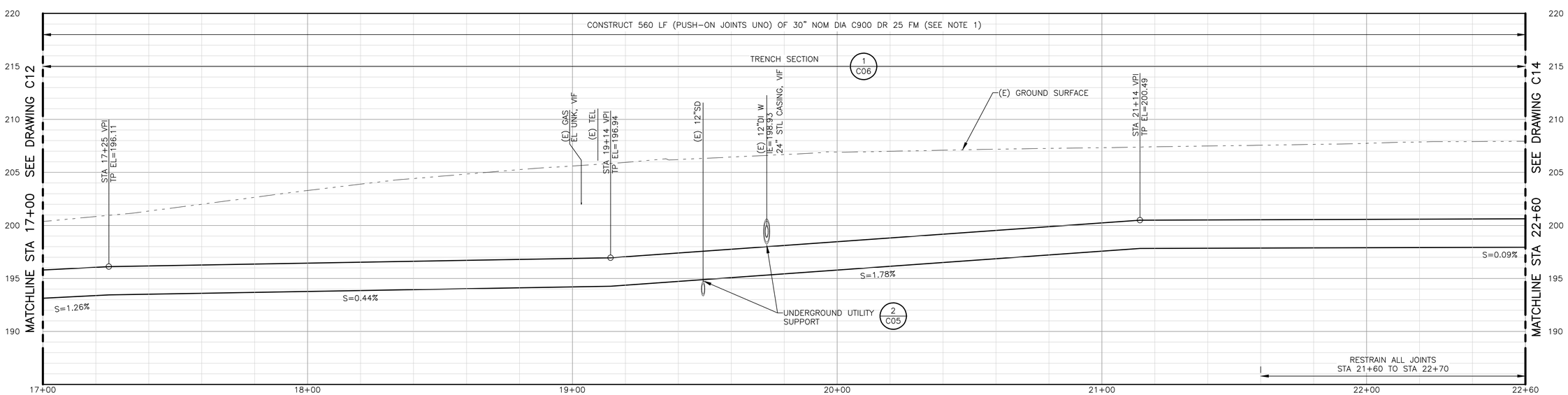


PLAN

SCALE: 1"=20'

0 20 40

SCALE IN FEET



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER
85993PE
DIGITALLY SIGNED
OREGON
NOV 14, 2017
BROOKE VICTORIA BARRY
EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

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SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

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4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
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CITY OF ALBANY
OREGON
Inc. 1864

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 4
STA 17+00 TO STA 22+60

JOB NUMBER
519-14-18-18

DRAWING NUMBER
C13

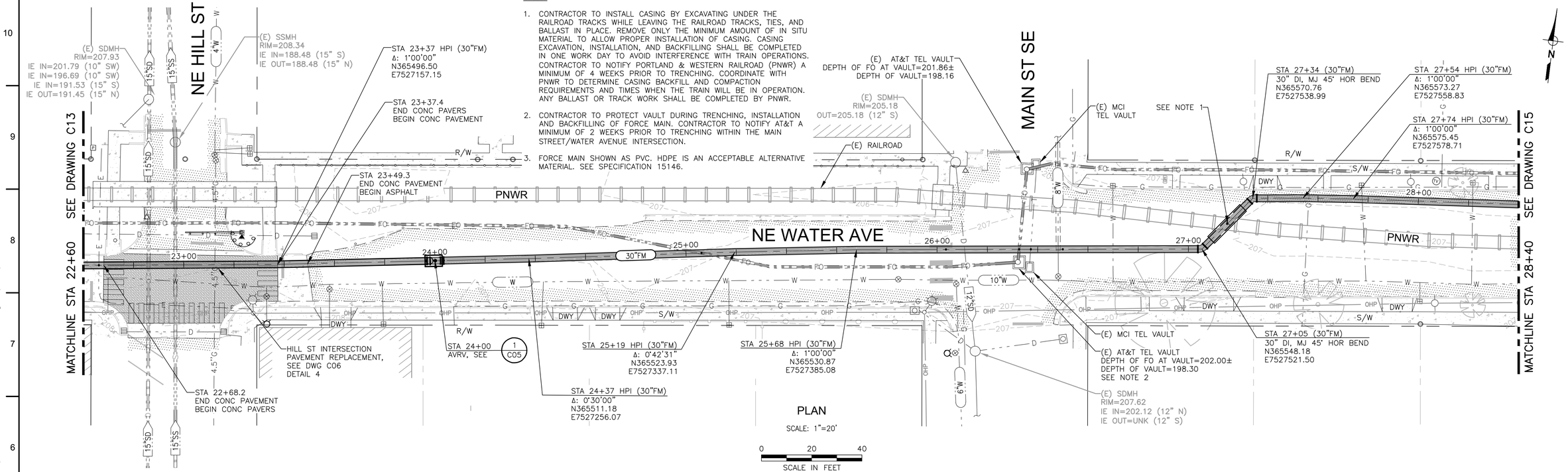
SHEET NUMBER
15 OF 59

REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane

NOTES:

1. CONTRACTOR TO INSTALL CASING BY EXCAVATING UNDER THE RAILROAD TRACKS WHILE LEAVING THE RAILROAD TRACKS, TIES, AND BALLAST IN PLACE. REMOVE ONLY THE MINIMUM AMOUNT OF IN SITU MATERIAL TO ALLOW PROPER INSTALLATION OF CASING. CASING EXCAVATION, INSTALLATION, AND BACKFILLING SHALL BE COMPLETED IN ONE WORK DAY TO AVOID INTERFERENCE WITH TRAIN OPERATIONS. CONTRACTOR TO NOTIFY PORTLAND & WESTERN RAILROAD (PNWR) A MINIMUM OF 4 WEEKS PRIOR TO TRENCHING. COORDINATE WITH PNWR TO DETERMINE CASING BACKFILL AND COMPACTION REQUIREMENTS AND TIMES WHEN THE TRAIN WILL BE IN OPERATION. ANY BALLAST OR TRACK WORK SHALL BE COMPLETED BY PNWR.
2. CONTRACTOR TO PROTECT VAULT DURING TRENCHING, INSTALLATION AND BACKFILLING OF FORCE MAIN. CONTRACTOR TO NOTIFY AT&T A MINIMUM OF 2 WEEKS PRIOR TO TRENCHING WITHIN THE MAIN STREET/WATER AVENUE INTERSECTION.
3. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.

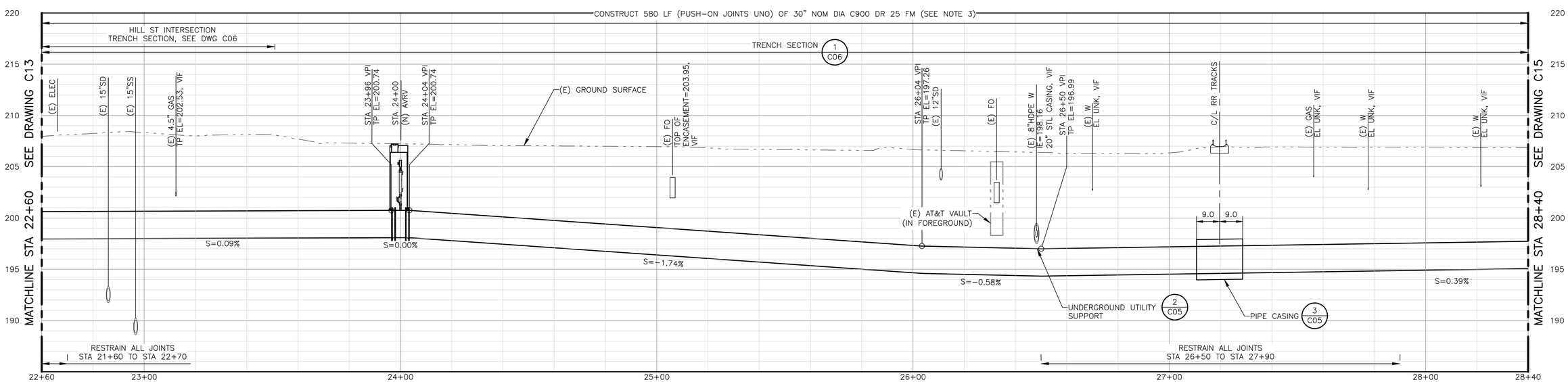


PLAN

SCALE: 1"=20'

0 20 40

SCALE IN FEET



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER
85993PE
DIGITALLY SIGNED
OREGON
NOV 14, 2017
BROOKE VICTORIA BARRY
EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

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DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

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4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
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CITY OF ALBANY
OREGON
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CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 5
STA 22+60 TO STA 28+40

JOB NUMBER
519-14-18-18

DRAWING NUMBER
C14

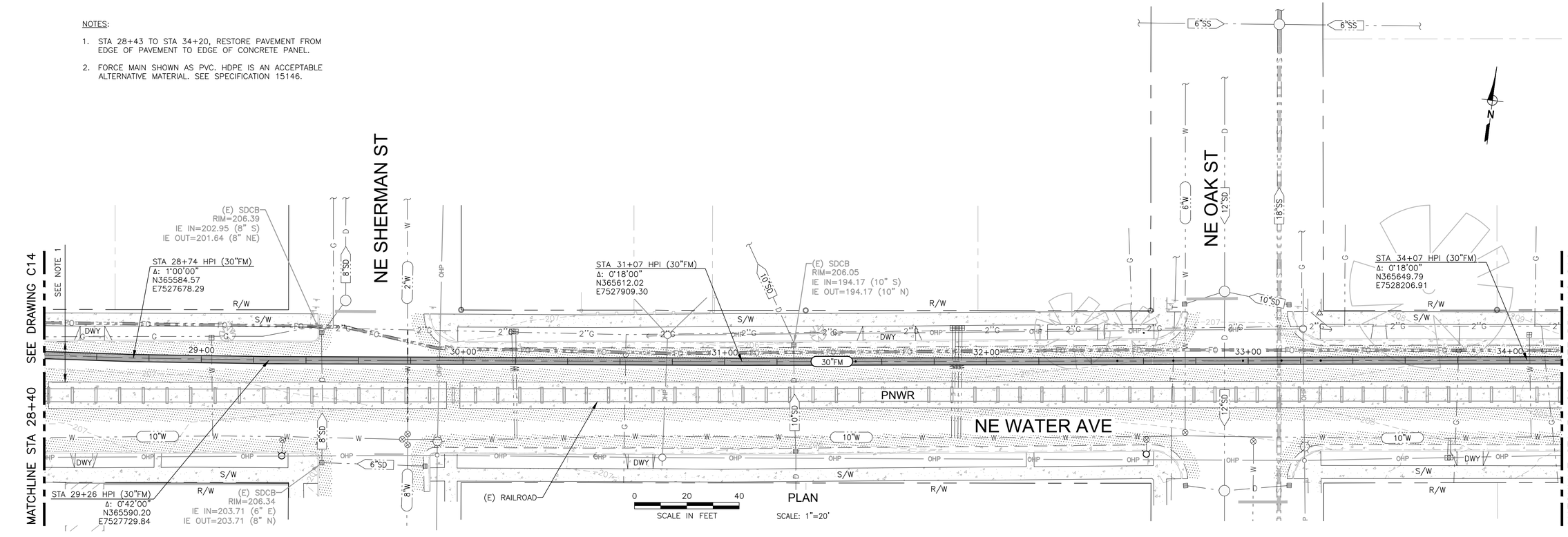
SHEET NUMBER
16 OF 59

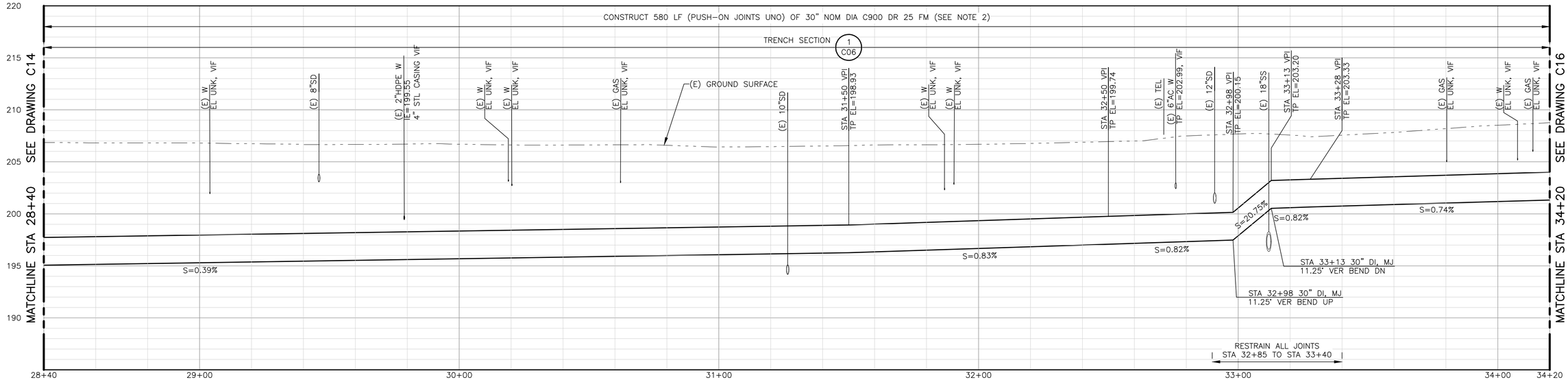
REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane

NOTES:

1. STA 28+43 TO STA 34+20, RESTORE PAVEMENT FROM EDGE OF PAVEMENT TO EDGE OF CONCRETE PANEL.
2. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.





PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV 14, 2017 BROOKE VICTORIA BARRY

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

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SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

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4949 Meadows Road
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CITY OF ALBANY OREGON Inc. 1864

CITY OF ALBANY
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LIFT STATION AND FORCE MAIN

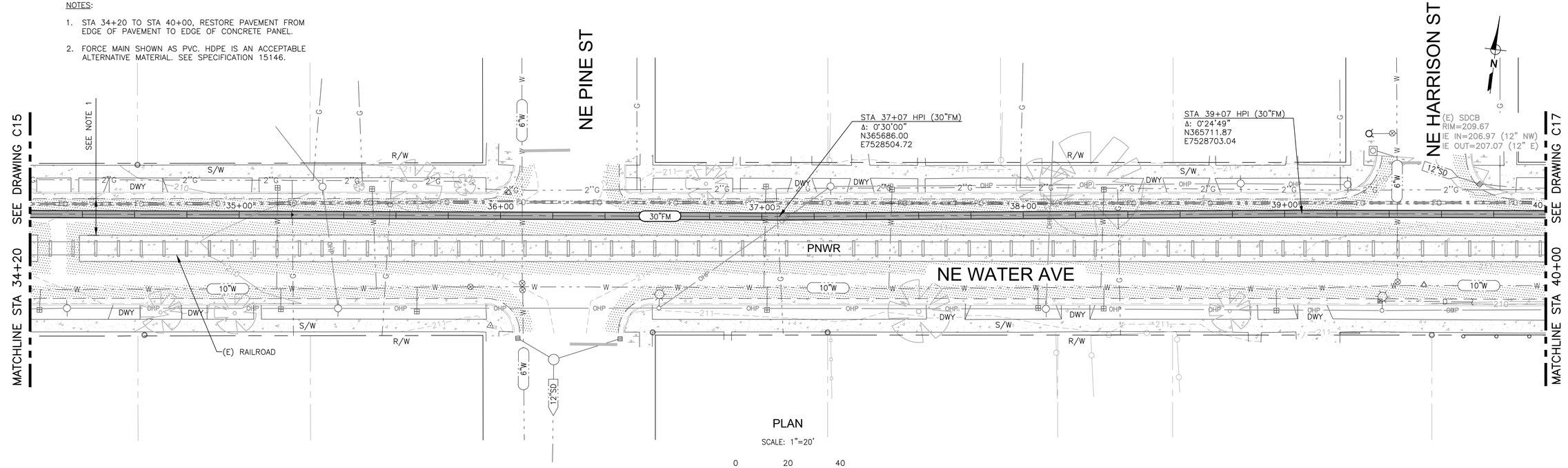
PLAN AND PROFILE - 6
STA 28+40 TO STA 34+20

JOB NUMBER 519-14-18-18
DRAWING NUMBER C15
SHEET NUMBER 17 OF 59
REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane

NOTES:

1. STA 34+20 TO STA 40+00, RESTORE PAVEMENT FROM EDGE OF PAVEMENT TO EDGE OF CONCRETE PANEL.
2. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.

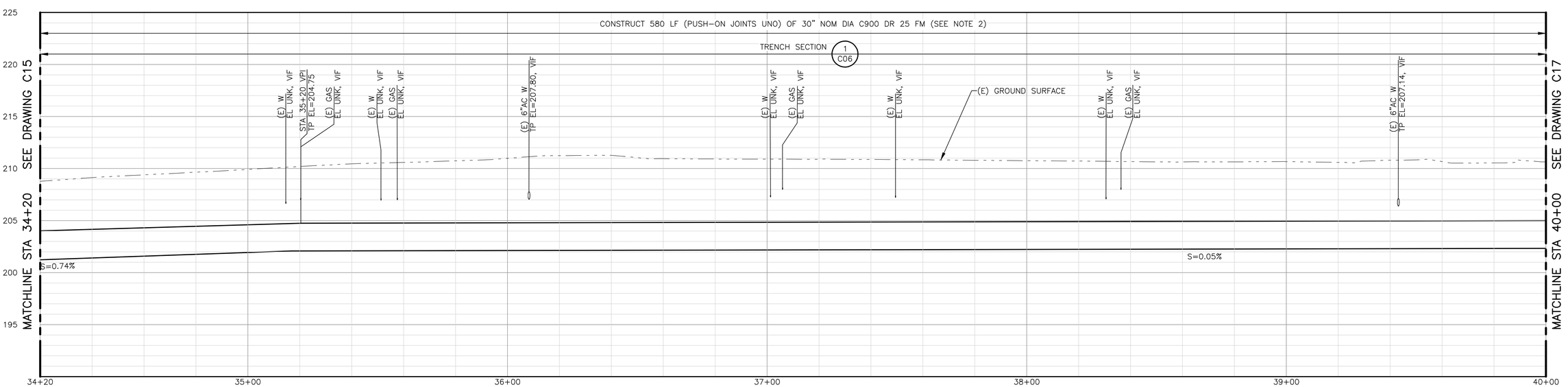


PLAN

SCALE: 1"=20'

0 20 40

SCALE IN FEET



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV 14, 2017 BROOKE VICTORIA BARRY

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

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DESIGNED BY : BVB
PROJ. MGR. : WJM

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CITY OF ALBANY

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 7
STA 34+20 TO STA 40+00

JOB NUMBER 519-14-18-18

DRAWING NUMBER C16

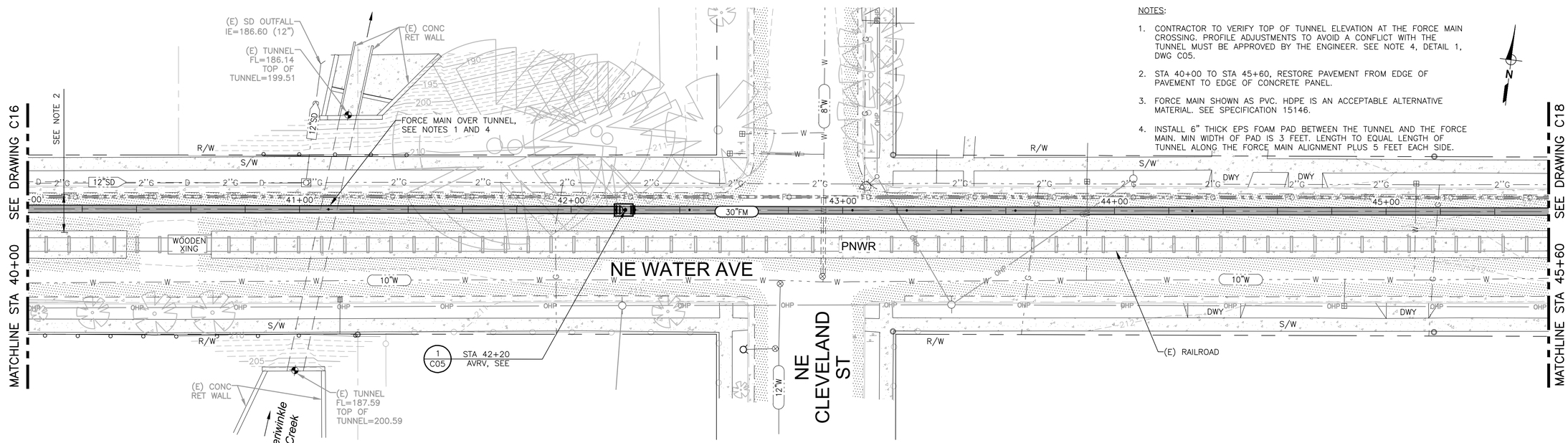
SHEET NUMBER 18 OF 59

REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane

NOTES:

1. CONTRACTOR TO VERIFY TOP OF TUNNEL ELEVATION AT THE FORCE MAIN CROSSING. PROFILE ADJUSTMENTS TO AVOID A CONFLICT WITH THE TUNNEL MUST BE APPROVED BY THE ENGINEER. SEE NOTE 4, DETAIL 1, DWG C05.
2. STA 40+00 TO STA 45+60, RESTORE PAVEMENT FROM EDGE OF PAVEMENT TO EDGE OF CONCRETE PANEL.
3. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.
4. INSTALL 6" THICK EPS FOAM PAD BETWEEN THE TUNNEL AND THE FORCE MAIN. MIN WIDTH OF PAD IS 3 FEET. LENGTH TO EQUAL LENGTH OF TUNNEL ALONG THE FORCE MAIN ALIGNMENT PLUS 5 FEET EACH SIDE.

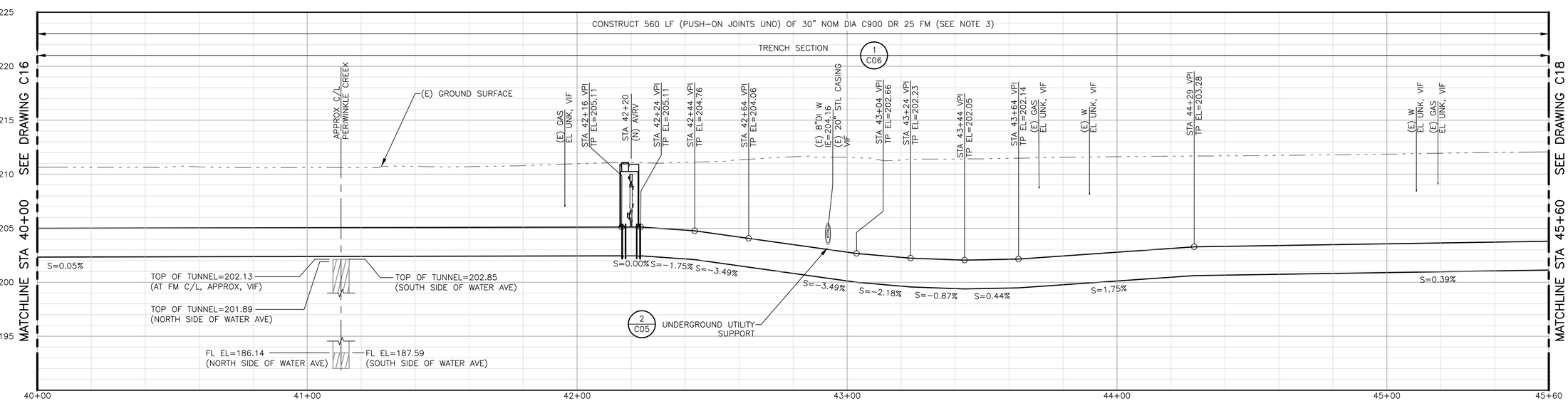


PLAN

SCALE: 1"=20'

0 20 40

SCALE IN FEET



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV 14, 2017 BROOKE VICTORIA BARRY

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

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SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES

4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 8
STA 40+00 TO STA 45+60

JOB NUMBER 519-14-18-18

DRAWING NUMBER C17

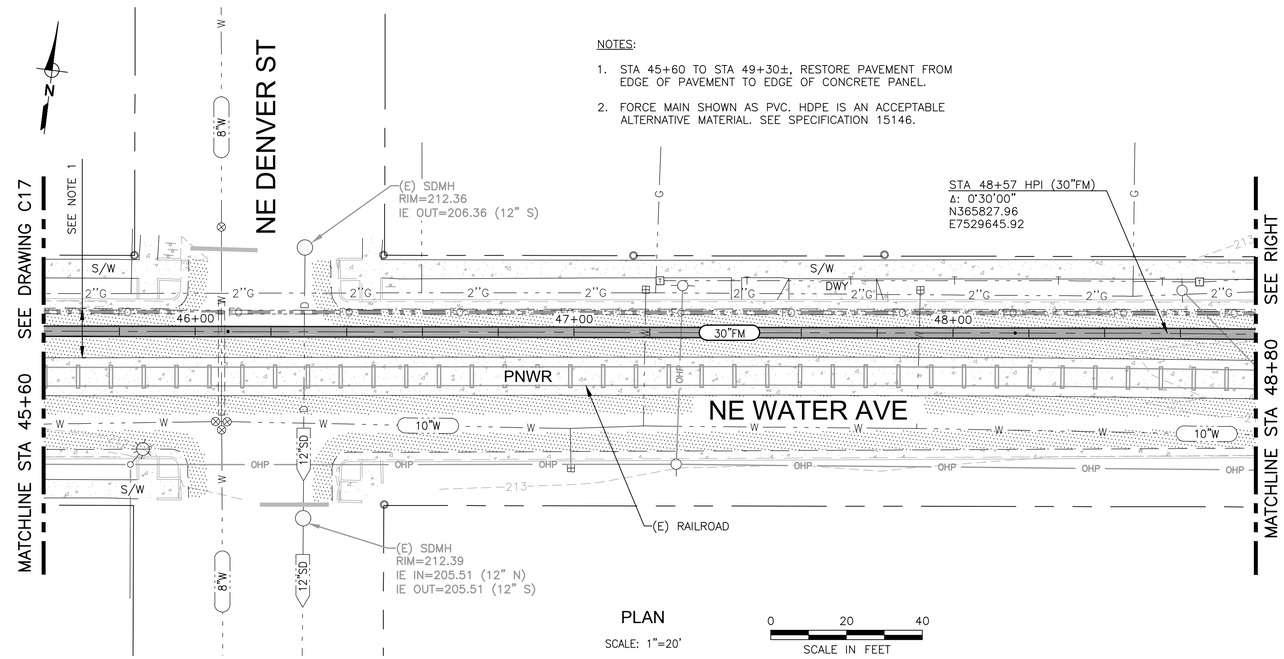
SHEET NUMBER 19 OF 59

REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane

NOTES:

1. STA 45+60 TO STA 49+30±, RESTORE PAVEMENT FROM EDGE OF PAVEMENT TO EDGE OF CONCRETE PANEL.
2. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.

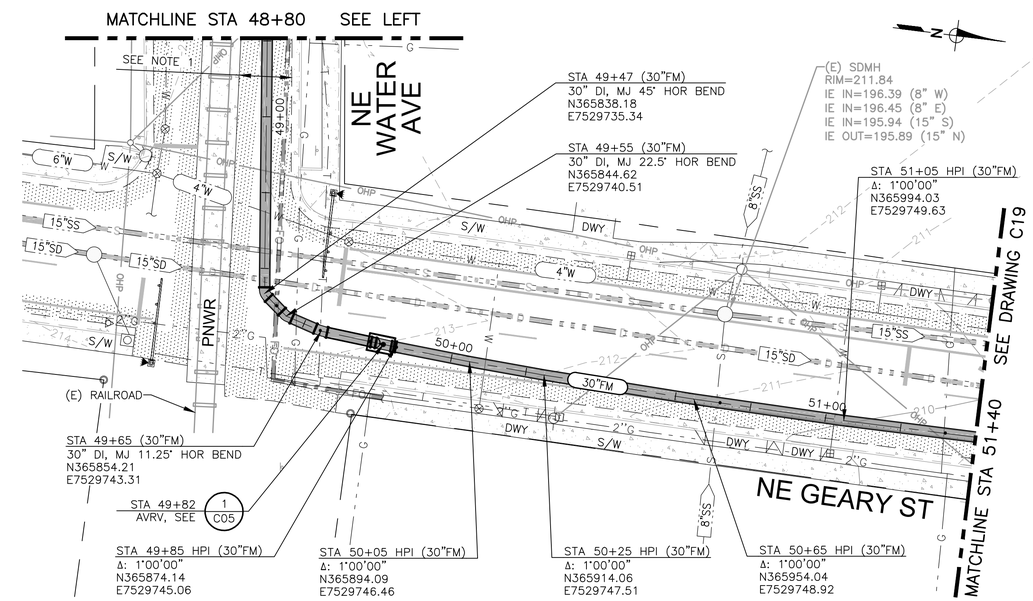


PLAN

SCALE: 1"=20'

0 20 40

SCALE IN FEET

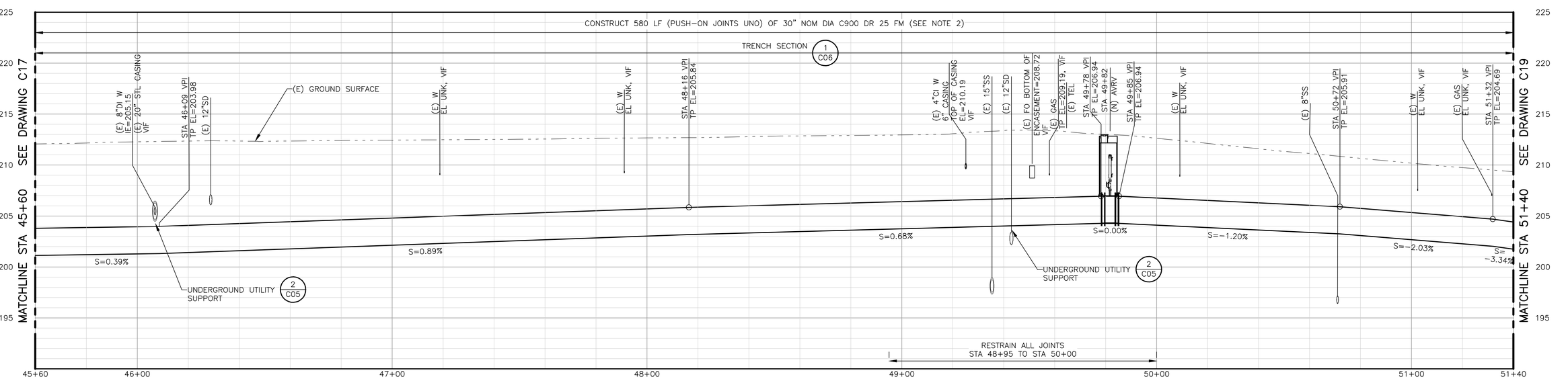


PLAN

SCALE: 1"=20'

0 20 40

SCALE IN FEET



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV 14, 2017 BROOKE VICTORIA BARR

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

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SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES

4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 9
STA 45+60 TO STA 51+40

JOB NUMBER 519-14-18-18

DRAWING NUMBER C18

SHEET NUMBER 20 OF 59

REVISION

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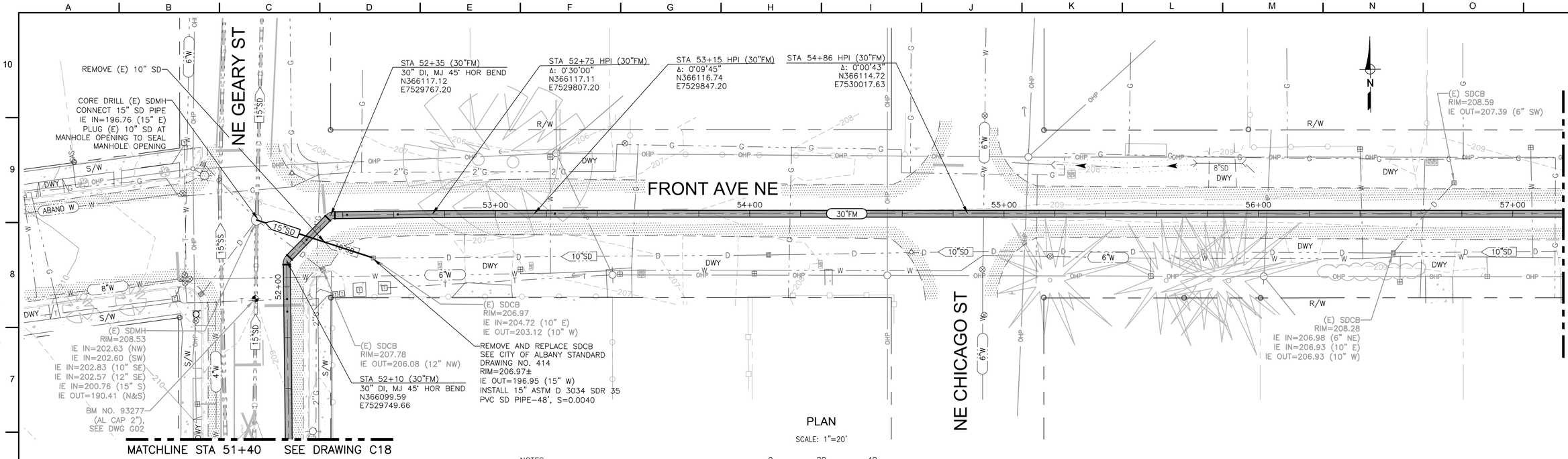


PLAN

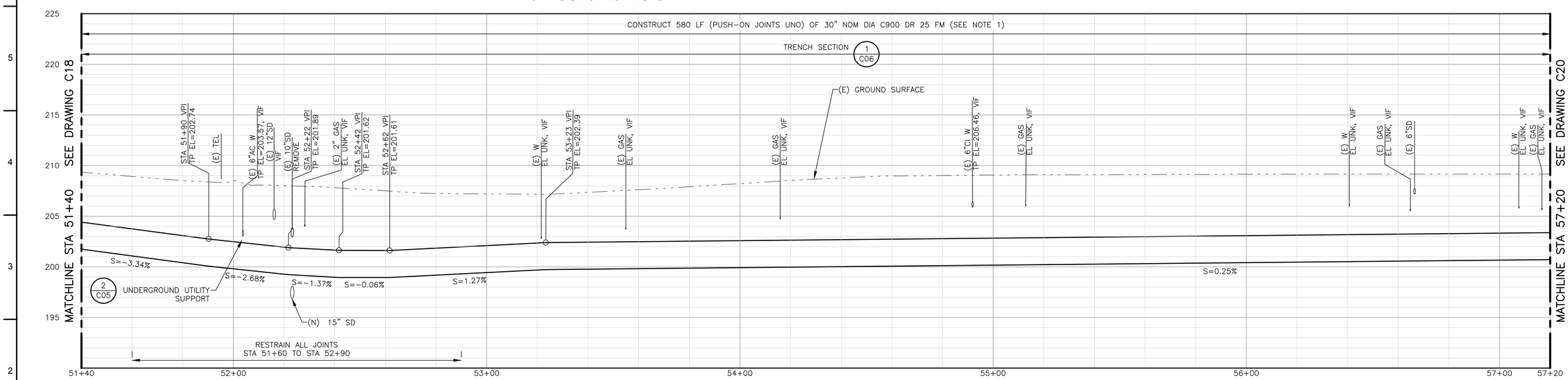
SCALE: 1"=20'

0 20 40

SCALE IN FEET

NOTES:

1. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.
2. STA 52+10 TO STA 57+20, RESTORE PAVEMENT FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT ON FRONT AVE NE.



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV. 14, 2017 BROOKE VICTORIA BARRY

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

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SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

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4949 Meadows Road
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Lake Oswego, Oregon 97035
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CITY OF ALBANY OREGON Inc. 1864

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 10
STA 51+40 TO STA 57+20

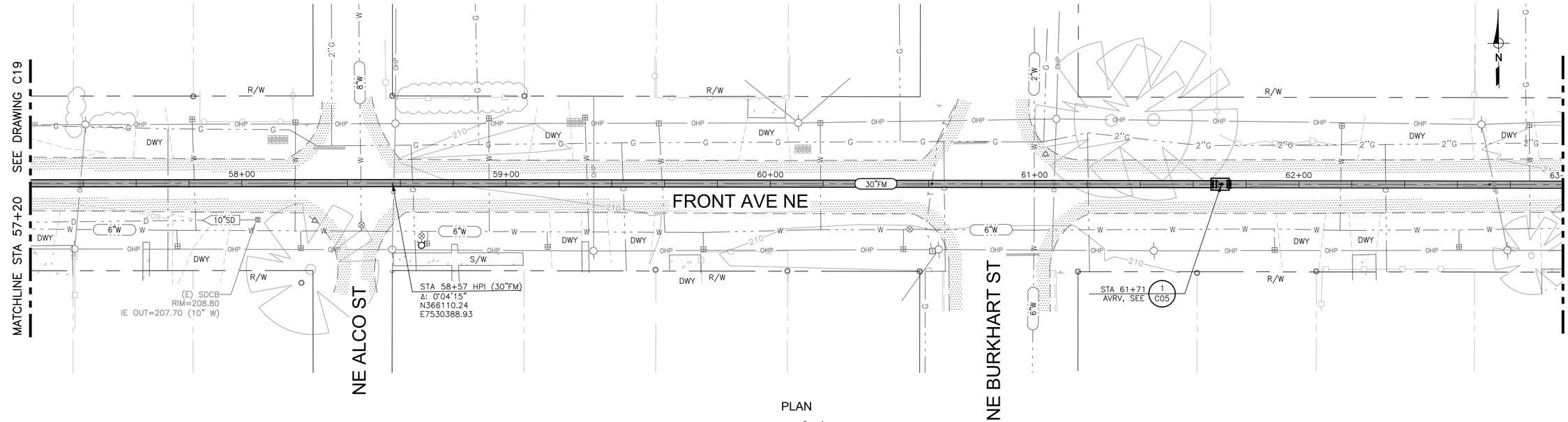
JOB NUMBER 519-14-18-18

DRAWING NUMBER **C19**

SHEET NUMBER 21 OF 59

REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane



PLAN

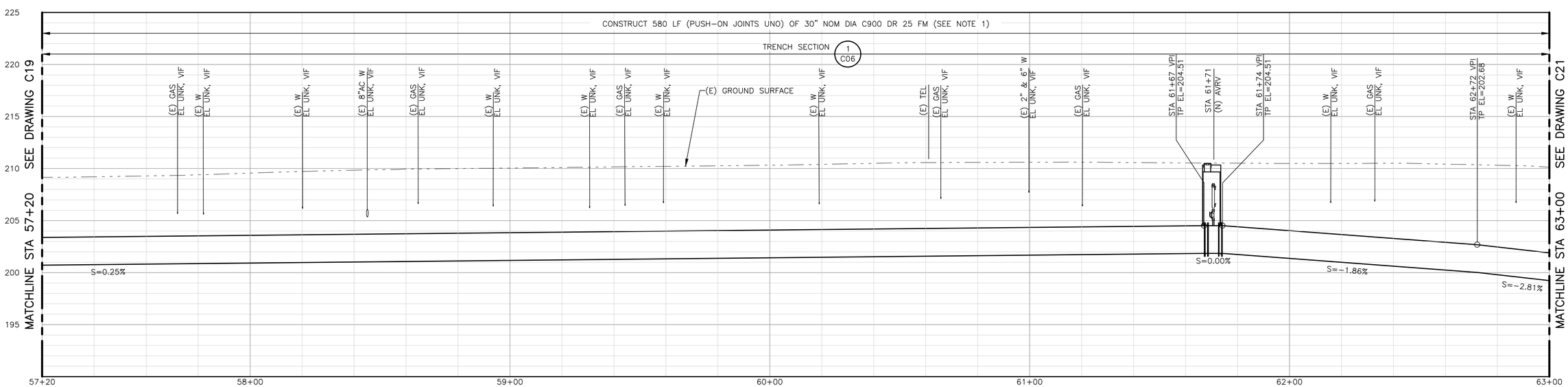
SCALE: 1"=20'

0 20 40

SCALE IN FEET

NOTES:

1. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.
2. STA 57+20 TO STA 63+00, RESTORE PAVEMENT FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT ON FRONT AVE NE.



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV 14, 2017 BROOKE VICTORIA BARRY

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

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SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

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CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 11
STA 57+20 TO STA 63+00

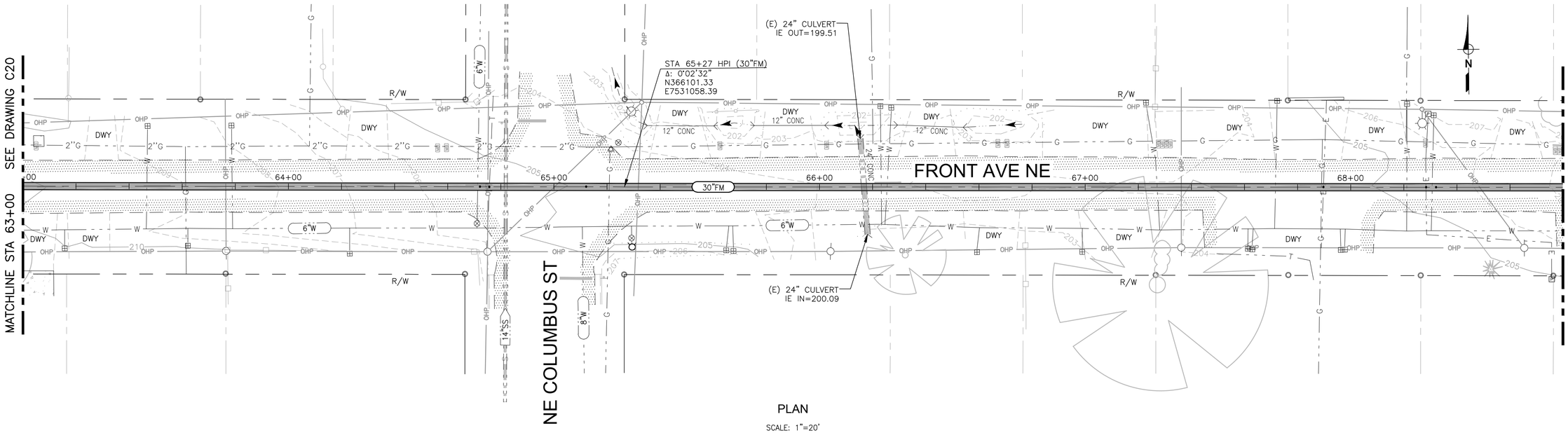
JOB NUMBER 519-14-18-18

DRAWING NUMBER **C20**

SHEET NUMBER 22 OF 59

REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane



PLAN

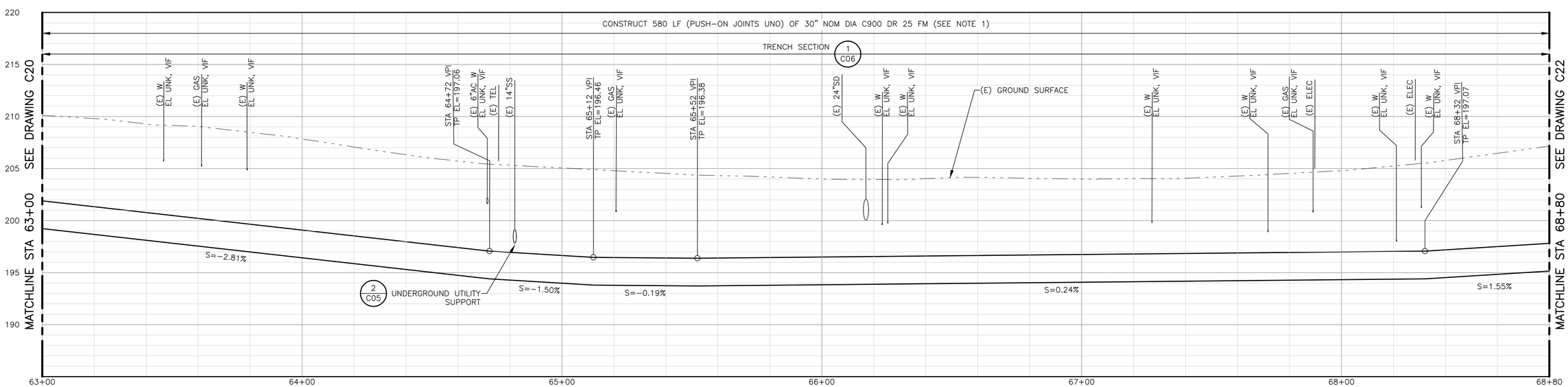
SCALE: 1"=20'

0 20 40

SCALE IN FEET

NOTES:

1. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.
2. STA 63+00 TO STA 68+80, RESTORE PAVEMENT FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT ON FRONT AVE NE.



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV 14, 2017 BROOKE VICTORIA BARR

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

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IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

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OREGON
Inc. 1864

CITY OF ALBANY
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LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 12
STA 63+00 TO STA 68+80

JOB NUMBER 519-14-18-18

DRAWING NUMBER **C21**

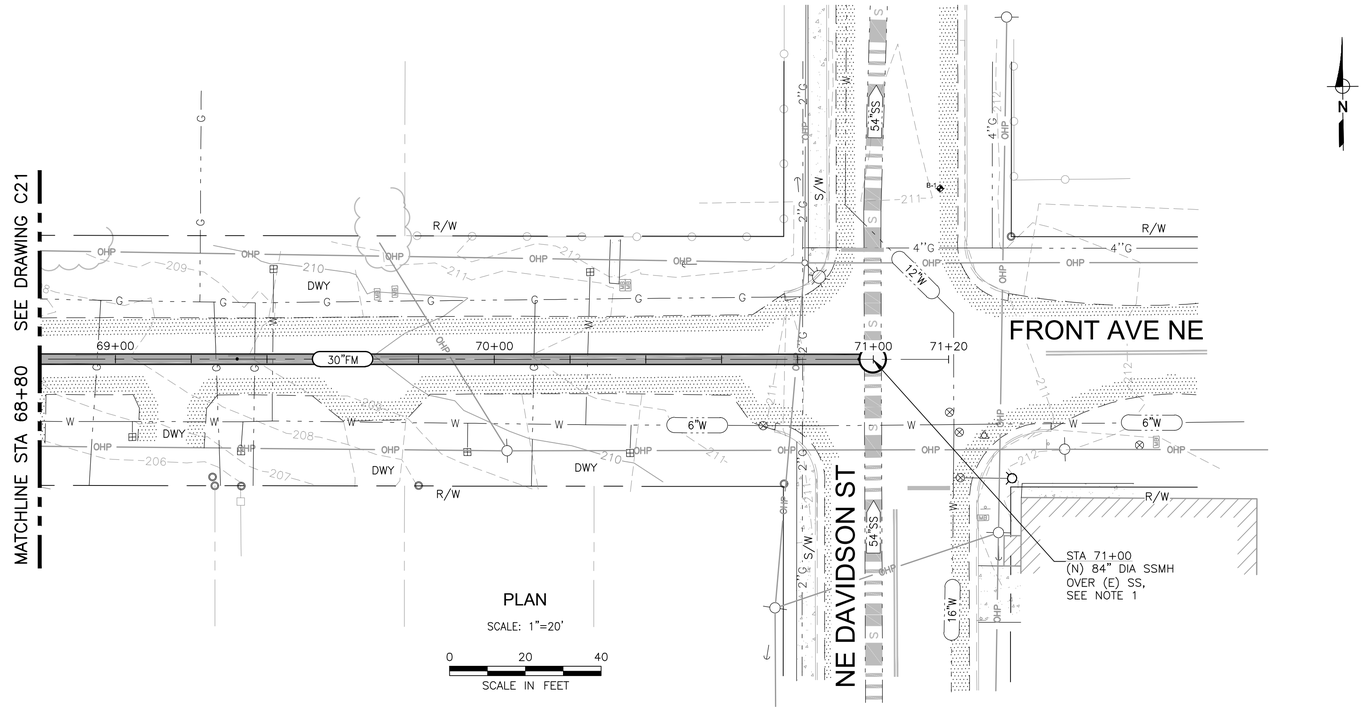
SHEET NUMBER 23 OF 59

REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane

NOTES:

1. SEE CITY OF ALBANY STANDARD DRAWING NO. 408.
2. FORCE MAIN SHOWN AS PVC. HDPE IS AN ACCEPTABLE ALTERNATIVE MATERIAL. SEE SPECIFICATION 15146.
3. STA 68+80 TO STA 71+00, RESTORE PAVEMENT FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT ON FRONT AVE NE.
4. PROVIDE MANHOLE DROP CONNECTION. SEE CITY OF ALBANY STANDARD DRAWING NO. 403. TEE AND 90° BEND FOR DROP CONNECTION SHALL BE RESTRAINED MECHANICAL JOINT DI FITTINGS.

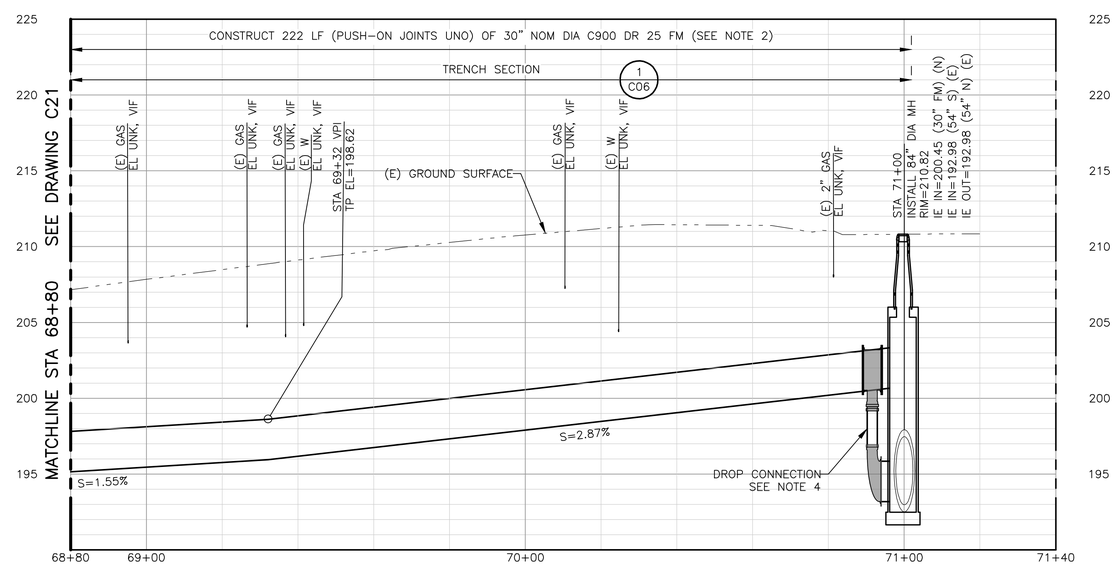


PLAN

SCALE: 1"=20'

0 20 40

SCALE IN FEET



PROFILE

SCALE: H: 1"=20', V: 1"=5'

REGISTERED PROFESSIONAL ENGINEER 85993PE DIGITALLY SIGNED OREGON NOV 14, 2017 BROOKE VICTORIA BARR

EXPIRES : 12/31/2019

QC REVIEW: _____

DATE: _____

THIS LINE IS 1 INCH
AT FULL SCALE
IF NOT SCALE ACCORDINGLY

SCALE : AS SHOWN
DRAWN BY : DKH
DESIGNED BY : BVB
PROJ. MGR. : WJM

No.	ZONE	REVISIONS	BY	DATE

WEST YOST ASSOCIATES

4949 Meadows Road
Suite 125
Lake Oswego, Oregon 97035
(503) 451-4500
FAX (530) 756-4991

CITY OF ALBANY
RIVERFRONT INTERCEPTOR SEWER
LIFT STATION AND FORCE MAIN

PLAN AND PROFILE - 13
STA 68+80 TO STA 71+00

JOB NUMBER 519-14-18-18

DRAWING NUMBER C22

SHEET NUMBER 24 OF 59

REVISION

P:\Clients\519 City of Albany\14-18-18 Rvrfrnt Intrcptr Wet Wthr LS and FM\CAD\Production\51914-1818-C10-C22.dwg 4/16/2019 3:56 PM rmurnane