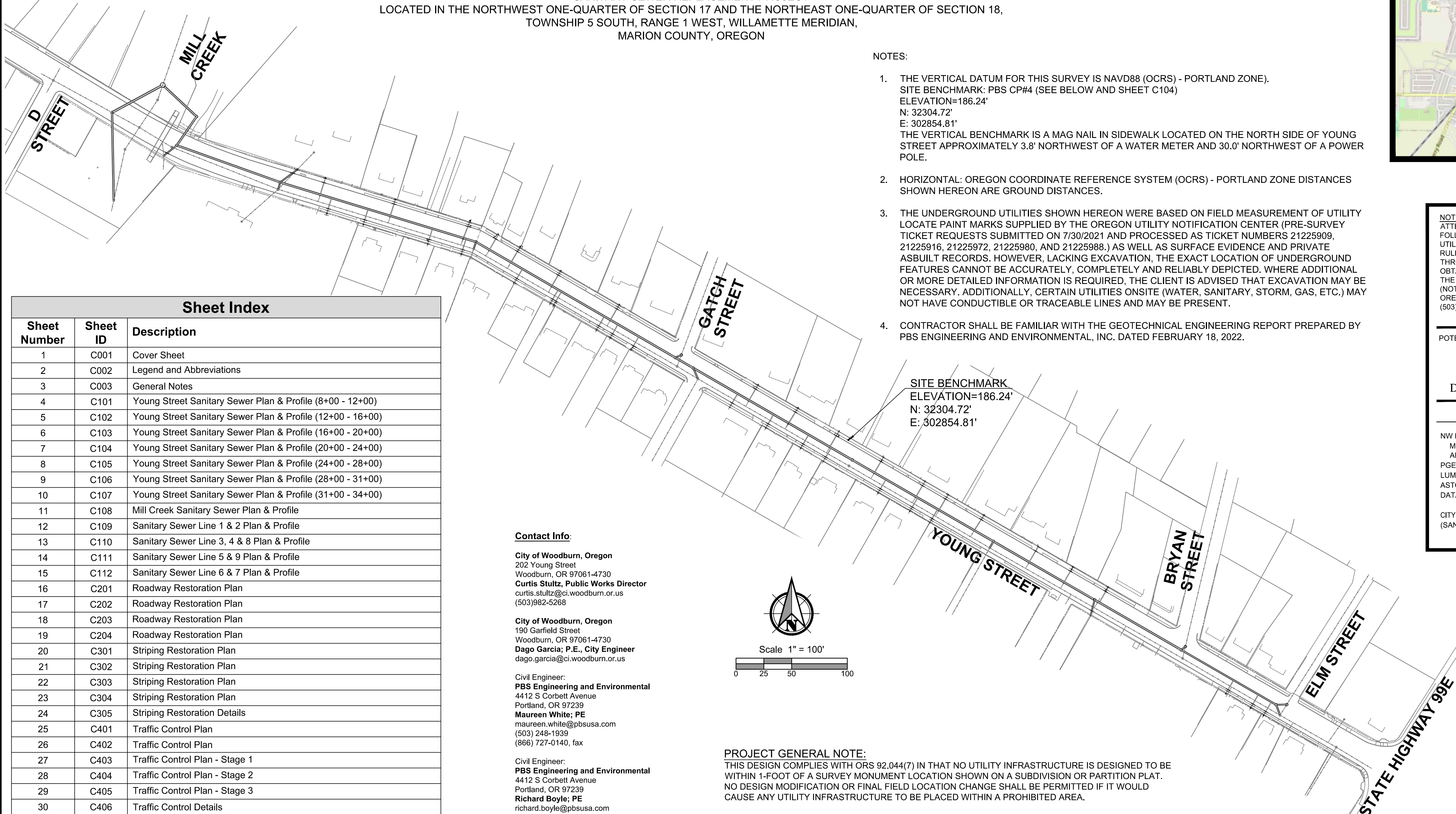
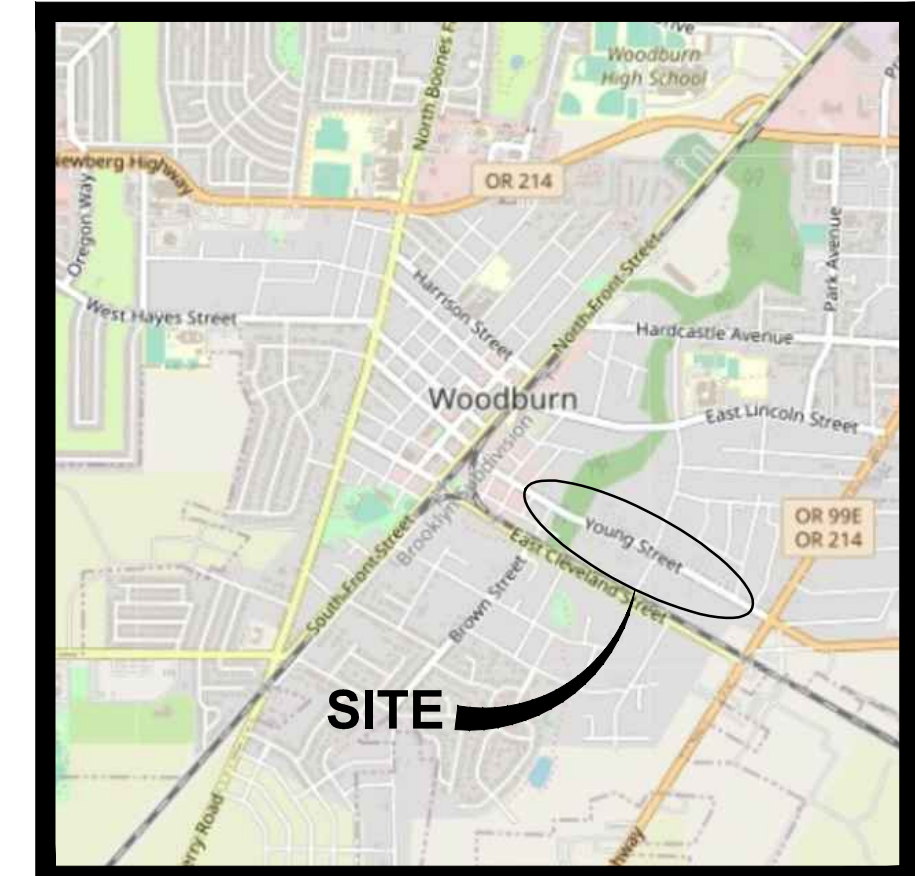


# Young Street Sanitary Sewer

SANITARY SEWER REPLACEMENT PROJECT  
 LOCATED IN THE NORTHWEST ONE-QUARTER OF SECTION 17 AND THE NORTHEAST ONE-QUARTER OF SECTION 18,  
 TOWNSHIP 5 SOUTH, RANGE 1 WEST, WILLAMETTE MERIDIAN,  
 MARION COUNTY, OREGON



- NOTES:
- THE VERTICAL DATUM FOR THIS SURVEY IS NAVD88 (OCRS) - PORTLAND ZONE).  
 SITE BENCHMARK: PBS CP#4 (SEE BELOW AND SHEET C104)  
 ELEVATION=186.24'  
 N: 32304.72'  
 E: 302854.81'  
 THE VERTICAL BENCHMARK IS A MAG NAIL IN SIDEWALK LOCATED ON THE NORTH SIDE OF YOUNG STREET APPROXIMATELY 3.8' NORTHWEST OF A WATER METER AND 30.0' NORTHWEST OF A POWER POLE.
  - HORIZONTAL: OREGON COORDINATE REFERENCE SYSTEM (OCRS) - PORTLAND ZONE DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
  - THE UNDERGROUND UTILITIES SHOWN HEREON WERE BASED ON FIELD MEASUREMENT OF UTILITY LOCATE PAINT MARKS SUPPLIED BY THE OREGON UTILITY NOTIFICATION CENTER (PRE-SURVEY TICKET REQUESTS SUBMITTED ON 7/30/2021 AND PROCESSED AS TICKET NUMBERS 21225909, 21225916, 21225972, 21225980, AND 21225988.) AS WELL AS SURFACE EVIDENCE AND PRIVATE ASBUILT RECORDS. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY. ADDITIONALLY, CERTAIN UTILITIES ONSITE (WATER, SANITARY, STORM, GAS, ETC.) MAY NOT HAVE CONDUCTIBLE OR TRACEABLE LINES AND MAY BE PRESENT.
  - CONTRACTOR SHALL BE FAMILIAR WITH THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY PBS ENGINEERING AND ENVIRONMENTAL, INC. DATED FEBRUARY 18, 2022.



VICINITY MAP  
 NOT TO SCALE

NOTICE TO EXCAVATORS:  
 ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER.  
 (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503)-232-1987).

POTENTIAL UNDERGROUND FACILITY OWNERS

**Dig Safely.**

Call the Oregon One-Call Center  
 DIAL 811 or 1-800-332-2344

EMERGENCY TELEPHONE NUMBERS

NW NATURAL GAS	503-226-4211 Ext.8166
M-F 7am-6pm	503-226-4211
AFTER HOURS	1-800-544-1793
PGE	1-800-573-1311
LUMEN	1-888-317-0488
ASTOUND	503-792-3611
DATAVISION	

CITY OF WOODBURN PUBLIC WORKS DEPARTMENT  
 (SANITARY SEWER, STORM DRAINAGE & WATER)  
 503-982-5241

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2	C002	Legend and Abbreviations
3	C003	General Notes
4	C101	Young Street Sanitary Sewer Plan & Profile (8+00 - 12+00)
5	C102	Young Street Sanitary Sewer Plan & Profile (12+00 - 16+00)
6	C103	Young Street Sanitary Sewer Plan & Profile (16+00 - 20+00)
7	C104	Young Street Sanitary Sewer Plan & Profile (20+00 - 24+00)
8	C105	Young Street Sanitary Sewer Plan & Profile (24+00 - 28+00)
9	C106	Young Street Sanitary Sewer Plan & Profile (28+00 - 31+00)
10	C107	Young Street Sanitary Sewer Plan & Profile (31+00 - 34+00)
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35	C505	Miscellaneous Details
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37	EC-001	Erosion Control Cover Sheet
38	EC-002	Erosion Control Notes
39	EC-101	Utility & Roadway Erosion Control Plan
40	EC-102	Utility & Roadway Erosion Control Plan
41	EC-103	Utility & Roadway Erosion Control Plan
42	EC-104	Utility & Roadway Erosion Control Plan
43	EC-105	Erosion Control Details
44	EC-106	Erosion Control Details

**Contact Info:**

**City of Woodburn, Oregon**  
 202 Young Street  
 Woodburn, OR 97061-4730  
**Curtis Stultz, Public Works Director**  
 curtis.stultz@ci.woodburn.or.us  
 (503)982-5268

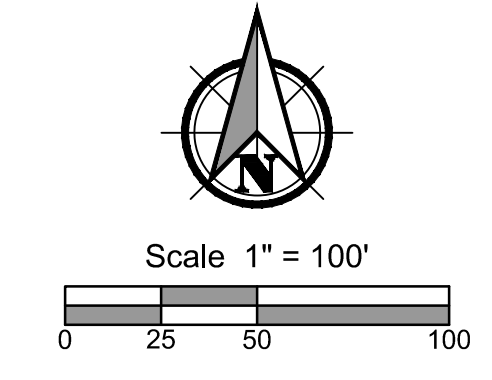
**City of Woodburn, Oregon**  
 190 Garfield Street  
 Woodburn, OR 97061-4730  
**Dago Garcia, P.E., City Engineer**  
 dago.garcia@ci.woodburn.or.us

Civil Engineer:  
**PBS Engineering and Environmental**  
 4412 S Corbett Avenue  
 Portland, OR 97239  
**Maureen White, PE**  
 maureen.white@pbsusa.com  
 (503) 248-1939  
 (866) 727-0140, fax

Civil Engineer:  
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 4412 S Corbett Avenue  
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**Richard Boyle, PE**  
 richard.boyle@pbsusa.com  
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 (866) 727-0140, fax

Geotechnical Engineer:  
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 Portland, OR 97239  
**Ryan White, PE, GE**  
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 (503) 248-1939  
 (866) 727-0140, fax

Surveyor:  
**PBS Engineering and Environmental**  
 4412 S Corbett Avenue  
 Portland, OR 97239  
**Terry Goodman, PLS**  
 terry.goodman@pbsusa.com  
 (360) 695-3488  
 (866) 727-0140, fax



**PROJECT GENERAL NOTE:**  
 THIS DESIGN COMPLIES WITH ORS 92.044(7) IN THAT NO UTILITY INFRASTRUCTURE IS DESIGNED TO BE WITHIN 1-FOOT OF A SURVEY MONUMENT LOCATION SHOWN ON A SUBDIVISION OR PARTITION PLAT. NO DESIGN MODIFICATION OR FINAL FIELD LOCATION CHANGE SHALL BE PERMITTED IF IT WOULD CAUSE ANY UTILITY INFRASTRUCTURE TO BE PLACED WITHIN A PROHIBITED AREA.

**ENGINEER'S NOTE TO CONTRACTOR:**  
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

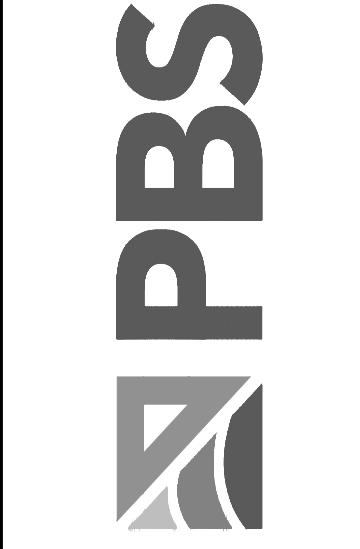
THE CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

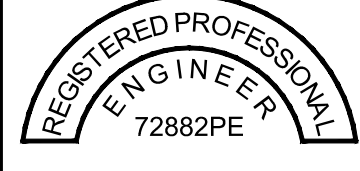


CITY OF WOODBURN PROJECT # 2021-006-28

PBS Engineering and Environmental Inc.  
 4412 S Corbett Avenue  
 Portland, OR 97239  
 503-248-1939  
 pbsusa.com



COVER SHEET FOR:  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



REGISTERED PROFESSIONAL ENGINEER  
 72882PE  
 OREGON  
 JUNE 14, 2007  
 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

DESIGNED:  
 DPS  
 CHECKED:  
 ROB  
 MAY 20, 2022  
 74203.000

SHEET ID  
**C001**

SHEET 1 OF 44

File name: L:\Projects\742003\74203\74203-000\Civil\CAD\WorkingSheets\74203-000-C001.dwg  
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 User: Dan Skelhud  
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Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

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Existing Linetype Legend		Proposed/Future Linetype Legend		Symbol Legend		Abbreviation Legend			
Existing Sanitary Sewer Pipe	SS	Proposed Sanitary Sewer Pipe		Proposed Sanitary Cap	⌈	Acres	AC	High Water Elevation	HW
Existing Sanitary Force Main	FM	Proposed Sanitary Lateral		Proposed Sanitary Cleanout	○	Assembly	ASSY	Hydrant	HYD
Existing Storm Sewer Pipe	SD	Proposed Sanitary Force Main		Proposed Sanitary Manhole	⊙	Avenue	AVE	Invert Elevation	IE
Existing Water Pipe	WL	Proposed Sawcut Line		Existing Water Valve	⊕	Approved	APPD	Intersection	INTX
Existing Cable TV Line	TV	Proposed Flow Line		Existing Gas Valve	⊕	Butterfly	BF	Invert	INV
Existing Electric Line	E	Proposed Easement		Existing Fire Hydrant	⊕	Boulevard	BLVD	Length	L
Existing Gas Line	G	Proposed Curb & Gutter		Existing Power Pole	⊕	Benchmark	BM	Lateral	LAT
Existing Over Head Power Line	OHP	Proposed End Of Pav't		Existing Water Meter	⊕	Blow Off	BO	Left	LT
Existing Telephone Line	T	Proposed Sidewalk		Existing Electrical Pedestal	⊕	Back Of Curb	BOC	Maximum	MAX
Existing Fiber Optic Line	FO	Proposed Score Line		Existing Power Riser	⊕	Begin Curb Return	BR	Manhole	MH
Existing Underground Utility Line	UGP	Proposed Paint Stripe		Existing Sanitary Manhole	⊕	Begin Vertical Curve	BVC	Minimum	MIN
Existing Centerline		Proposed Fence	-x-x-x-x-x-	Existing Storm Manhole	⊕	Care Of	C/O	Mechanical Joint	MJ
Existing Curb		Proposed Wetland Buffer	-x-x-x-x-x-	Existing Catch Basin	⊕	Catch Basin	CB	Number	No. or #
Existing Curb & Gutter		Proposed Wetland Perimeter	-x-x-x-x-x-	Existing Area Drain	⊕	Cubic Feet	CF	Overhead Electric	OHE
Existing Lot Line				Existing Combo Inlet	⊕	Cast Iron	CI	Pavement	PAVT
Existing Gravel road				Existing Telephone Pad	⊕	Cement	CEM	Point Of Curve	PC
Existing Flow Line				Existing Telephone Riser	⊕	Circle	CIR	Power Pole	PP
Existing Paint Stripe				Existing Roof Drain	⊕	Centerline	⊕	Point Of Reverse Curve	PRC
Existing Right-of-way				Existing Cleanout	⊕	Corrugated Metal Pipe	CMP	Point Of Reverse Vertical Curve	PRVC
Existing Fence				Existing Guy Anchor	⊕	Cleanout	CO	Point Of Tangent	PT
Existing Building				Existing Project Bench Mark	⊕	Combination	COMB	Point Of Vertical Intersection	PVI
Existing Wetland Perimeter				Existing Iron Rod	⊕	Compaction	COMP	Polyvinyl Chloride	PVC
Existing Wetland Buffer				Existing Sign	⊕	Concrete	CONC	Place	PL
Existing Property Line				Existing Shrub	⊕	Construction	CONST	Radius	R
Existing Utility Easement				Existing Deciduous Tree	⊕	Corrugated Polyethylene	CPE	Right Of Way	R/W
Existing Quarter Section				Existing Coniferous Tree	⊕	Concrete Sewer Pipe	CSP	Return	RET
						Court	CT	Right	RT
						Cubic Yard	CY	Sheet	SHT
						Cement	CEM	Stainless Steel	SS
						Depth	D	Steel	STL
						Ductile Iron	DI	Sidewalk	S/W
						Diameter	DIA	Street	ST
						Ductile Iron Pipe	DIP	Station Centerline	STA
						Down Spout	DS	Standard	STD
						Edge Of Pavement	EOP	Sanitary	SS
						End Curb Return	ER	Storm	SD
						Easement	ESMT	Tangent	T
						Existing	EXTG	Thrust Block	TB
						Elevation	EL	Temporary Benchmark	TBM
						Electric	ELEC	Top Of Curb	TC
						End Vertical Curb	EVC	Telephone	TEL
						Finished Floor	FF	Temporary	TEMP
						Finished Grade	FG	Top Of Manhole	TOP
						Fire Hydrant	FH	Typical	TYP
						Flange	FLG	Underground Electric	UGE
						Force Main	FM	Vertical Curve	VC
						Foot / Feet	FT	Vertical	VERT
						Gas	G	Water	WTR
						Galvanized Iron	GI	With	W/
						Ground	GRD	Without	W/O
						Gate Valve	GV	With Yellow Plastic Cap	W/YPC
						High Density Polyethylene	HDPE	Water Meter	WM
						Horizontal	HORIZ	Yard	YD

LEGEND AND ABBREVIATIONS FOR:

# YOUNG STREET SANITARY SEWER

A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



Know what's below.  
Call before you dig.



EXPIRES: 12/31/2023

DESIGNED:  
DPS

CHECKED:  
RDB

MAY 20, 2022  
74203.000

SHEET ID

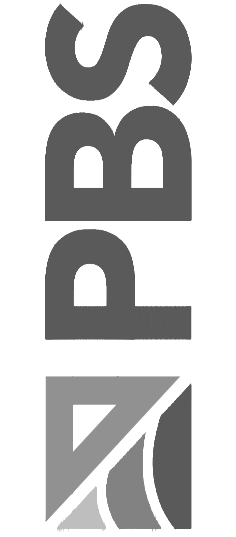
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SHEET **2** OF **44**



CITY OF WOODBURN PROJECT # 2021-006-28

PBS Engineering and Environmental Inc.  
 4412 S Corbett Avenue  
 Portland, OR 97239  
 503.246.1839  
 pbsusa.com



**GENERAL NOTES:**

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2021 EDITION OF THE OREGON STANDARD SPECIFICATIONS AND THE CONTRACT SPECIAL PROVISIONS FOR CONSTRUCTION AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.
- A COPY OF THESE APPROVED PLANS AND DETAILS SHALL BE ON-SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE AGENCY PRIOR TO ANY IMPLEMENTATION IN THE FIELD.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL THE ONE-CALL CENTER 48 HOURS IN ADVANCE (811 OR 1-800-332-2344). THE PUBLIC WORKS DEPARTMENT AND ENGINEERING DIVISION SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS (503-982-5240).
- THE CONTRACTOR SHALL AT ALL TIMES ABIDE BY APPLICABLE SAFETY RULES OF OR-OSHA AND IN PARTICULAR THOSE PERTAINING TO ADEQUATE SHORING AND TRENCH PROTECTION.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH THE NOTES AND PLANS.
- EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY, EXACT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE WORK WITH ALL UTILITY COMPANIES AS REQUIRED TO COMPLETE THE PROJECT.
- ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
- PROPERTY OWNERS/RESIDENTS SHALL HAVE ACCESS TO THEIR PROPERTIES AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. CONTRACTORS TO MAKE ALLOWANCES FOR ANY LOCAL DELIVERIES AND/OR GARBAGE PICK-UP. PROVIDE WRITTEN NOTICE TO ALL PROPERTY OWNERS AT LEAST 72 HOURS IN ADVANCE OF WORK IN AND/OR CROSSING DRIVEWAYS.
- CONTRACTOR MAY PROCURE WATER FROM A CITY FIRE HYDRANT ONLY AFTER APPROVAL OF THE ENGINEER, INSTALLATION OF BACKFLOW PREVENTOR BY CITY DRINKING WATER SECTION CREWS, AND PAYMENT OF APPROPRIATE FEES TO THE WATER SECTION, IF REQUIRED.
- ONLY CITY STAFF CAN OPERATE LIVE WATER VALVES AND FIRE HYDRANTS. NOTIFY THE CITY OF WOODBURN PRIOR TO THE NEED FOR THE OPERATION OF LIVE WATER LINES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE THAT OCCURS TO ASPHALT PAVEMENT, CONCRETE STRUCTURES, OTHER UTILITIES, VALVE BOXES, METER BOXES, SIGNS, MAILBOXES, ETC. DUE TO CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING PROPERTY AND STREET MONUMENTS PRIOR TO CONSTRUCTION. ANY MONUMENTS DISTURBED DURING CONSTRUCTION OF THE PROJECT SHALL BE REPLACED AND RECORDED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

**EROSION AND SEDIMENT CONTROL (ESC) NOTES:**

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE LOCAL, STATE AND FEDERAL REGULATIONS.
- THE IMPLEMENTATION OF THESE ESC PLANS AND CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE LOCAL JURISDICTION, AND VEGETATION/LANDSCAPING IS ESTABLISHED.
- THE ESC FACILITIES DESCRIBED ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT

LEAVE THE SITE.

- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONALITY.
- AT NO TIME SHALL SEDIMENT BE ALLOWED TO ACCUMULATE MORE THAN 1/3 THE BARRIER HEIGHT. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STORM DRAIN INLETS, BASINS AND AREA DRAINS SHALL BE PROTECTED UNTIL PAVEMENT SURFACES ARE COMPLETED AND/OR VEGETATION IS RE-ESTABLISHED.
- PAVEMENT SURFACES AND VEGETATION ARE TO PLACED AS RAPIDLY AS POSSIBLE.
- SEEDING SHALL BE PERFORMED NO LATER THAN SEPTEMBER 1 FOR EACH PHASE OF CONSTRUCTION.
- IF THERE ARE EXPOSED SOILS OR SOILS NOT FULLY ESTABLISHED FROM OCTOBER 1st THROUGH APRIL 30th, THE WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT.
- THE CONTRACTOR SHALL REMOVE ESC MEASURES WHEN VEGETATION IS FULLY ESTABLISHED.
- ANY SOIL OR DEBRIS TRANSPORTED ONTO ROADWAYS AND SIDEWALKS SHALL BE REMOVED. DEPOSITS SHALL BE COMPLETELY REMOVED BY SHOVELING AND/OR SWEEPING. WASHING SHALL NOT BE UTILIZED UNLESS SPECIFICALLY APPROVED IN WRITING BY THE CITY OF WOODBURN.
- IF BMPS (BEST MANAGEMENT PRACTICES) SHOWN ARE UTILIZED, BUT ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHT-OF-WAY; ADDITIONAL BMPS SHALL BE IMPLEMENTED TO PREVENT FURTHER ENCROACHMENT OF SEDIMENT.
- STABILIZED AREAS SHALL BE PROVIDED FOR EMPLOYEE PARKING AND STORAGE OF CONSTRUCTION MATERIALS. ERODABLE STOCKPILES OR EARTHEN MATERIALS, SUCH AS TOPSOIL, SILTY AND CLAYEY SOILS; LANDSCAPE MATERIALS SHALL BE COVERED WHEN NOT BEING INCORPORATED IN THE WORK. EROSION CONTROL BMPS SHALL BE UTILIZED AS NECESSARY TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING OR SEDIMENT BEING TRANSPORTED FROM THESE AREAS FROM VEHICLE ACTIVITY.
- ALL TRUCKS LEAVING THE SITE WITH EXCAVATION SPOILS MUST BE INSPECTED FOR WATER SEEPAGE. IF SATURATED SOILS ARE A PROBLEM, WATERTIGHT TRUCKS MUST BE USED OR LOADS SHALL BE DRAINED, ON-SITE, SO THAT WATER SEEPING FROM THE SOIL CANNOT DRAIN FROM THE VEHICLE.
- CONSTRUCTION SHALL NOT BE CONSIDERED COMPLETE AND ACCEPTABLE UNTIL ALL DISTURBED SOIL SURFACES HAVE BEEN PROTECTED FROM EROSION WITH PERMANENT LANDSCAPING, COVERED WITH IMPERVIOUS SURFACES, RESTORED TO ORIGINAL UNDISTURBED CONDITION OR PERMANENTLY STABILIZED.
- VEGETATED STABILIZATION AND LANDSCAPING SHALL BE FERTILIZED, WATERED AND MAINTAINED TO INSURE THAT GROWTH OF VEGETATION IS ESTABLISHED AND SUSTAINED.
- PLACE GRASS SEED OVER BARREN SOIL; 80/20 BLEND OF DWARF PERENNIAL RYE AND CREEPING RED FESCUE, MINIMUM 100#/ACRE. APPLY 20-10-10 FERTILIZER IN ACCORDANCE WITH SUPPLIER'S RECOMMENDATIONS.

**GRADING AND PAVING NOTES:**

- AGGREGATE BASE ROCK SHALL BE 3/4"-0 CRUSHED ROCK. AGGREGATE BASE IS TO BE COMPACTED IN 6" MAXIMUM LIFTS TO 95% OF MAXIMUM DRY DENSITY PER AASHTO T-180.
- THE LIFTS OF ASPHALT CONCRETE ARE TO BE CLASS AS CALLED OUT ON THE PLANS PER ODOT SPECIFICATIONS. CONTRACTOR IS TO PROVIDE THE OWNER WITH A PAVING MIX CERTIFICATE OF COMPLIANCE FROM THE ASPHALT PAVEMENT PLANT. PAVE ONLY DURING DRY WEATHER AND WHEN THE SURFACE TEMPERATURE IS 40 DEGREES OR WARMER.
- INSPECTION OF SUBGRADE, BASE ROCK AND A.C. WILL BE IN STRICT CONFORMANCE WITH THE AGENCY STANDARDS.
- ALL MATERIALS, INSTALLATION, TEST AND INSPECTIONS ARE TO BE IN STRICT ACCORDANCE WITH THE AGENCY STANDARDS.
- SAWCUT STRAIGHT MATCHLINES TO CREATE A BUTT JOINT BETWEEN THE EXISTING PAVEMENT AND NEW PAVEMENT. APPLY PRIME COAT AT JOINT SURFACES AND SAND SEAL AT ALL NEW PAVEMENT JOINTS.

**WET WEATHER MEASURES:**

- THE MEASURES FOR WET WEATHER CONDITIONS ARE ONE OF THE FOLLOWING OR A COMBINATION TO PREVENT SOIL EROSION: ESTABLISHED GRASS, 2" MINIMUM STRAW MULCH COVER, EROSION CONTROL BLANKETS WITH ANCHORS, 6-MIL PLASTIC SHEET COVER OR SEDIMENT TRAP OR POND.
- AS THE WET WEATHER APPROACHES MORE EROSION CONTROL MEASURES (AS REQUIRED BY CONSTRUCTION INSPECTOR) MAY BE NECESSARY TO REDUCE EROSION.

**DEWATERING NOTES:**

- THE CONTROL OF GROUND WATER SHALL BE SUCH THAT SOFTENING OF THE BOTTOM OF EXCAVATIONS OR FORMATIONS OF "QUICK" CONDITIONS OR "BOILS" DURING EXCAVATION SHALL BE PREVENTED. DEWATERING SYSTEMS SHALL BE DESIGNED AND OPERATED SO AS TO PREVENT REMOVAL OF THE NATURAL SOILS.
- DURING EXCAVATION AND INSTALLATION OF PIPELINES AND PLACEMENT OF TRENCH BACKFILL, EXCAVATIONS SHALL BE KEPT FREE OF WATER. THE CONTRACTOR SHALL CONTROL SURFACE WATER RUNOFF SO AS TO PREVENT ENTRY OR COLLECTION OF WATER IN THE EXCAVATIONS. THE STATIC WATER LEVEL SHALL BE DRAWN DOWN A MINIMUM 1 FOOT BELOW THE BOTTOM OF THE EXCAVATION SO AS TO MAINTAIN THE UNDISTURBED STATE OF THE FOUNDATION SOILS AND ALLOW THE PLACEMENT OF ANY FILL OR BACKFILL TO THE REQUIRED DENSITY. THE DEWATERING SYSTEM SHALL BE INSTALLED AND OPERATED SO THAT THE GROUND WATER LEVEL OUTSIDE THE EXCAVATION IS NOT REDUCED TO THE EXTENT THAT WOULD DAMAGE OR ENDANGER ADJACENT STRUCTURES OR PROPERTY.
- BEFORE DEWATERING IS STARTED, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A STATEMENT OF THE METHOD, INSTALLATION AND DETAILS OF THE DEWATERING SYSTEM THAT IS BEING PROPOSED. OPEN AND CASED SUMPS SHALL NOT BE DEEPER THAN 3 FEET BELOW THE STATIC WATER TABLE.
- THE CONTRACTOR SHALL COMPLY WITH OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS FOR DEWATERING USING SEDIMENT BAGS OR SETTLING TANKS OR MEET OR EXCEED THE DISCHARGE CRITERIA FOR TURBIDITY.

**SANITARY SEWER NOTES:**

- SEWER PIPE AND FITTINGS TO BE PVC GRAVITY SEWER PIPE CONFORMING TO ASTM F679 (PIPE > 15 INCH DIAMETER) AND D3034, SDR 35 (PIPE UP TO 15 INCH DIAMETER) WITH RUBBER RING TYPE JOINTS CONFORMING WITH ASTM D-3212. SUBMIT CERTIFICATION OF COMPLETION OF 95% MANDREL TEST ON ALL PIPES AFTER COMPACTION.
- TRACER WIRE SHALL BE INSTALLED ON ALL PIPES (MAIN LINE AND LATERALS). PLACE TRACER WIRE DIRECTLY OVER PIPE CENTERLINE AND ON TOP OF PIPE ZONE MATERIAL. COIL AND SECURE TRACER WIRE IN MANHOLE TO NON CORROSIVE FASTENER. LEAVE ENOUGH WIRE TO EXTEND 18 INCHES ABOVE TOP OF MANHOLE COVER. SEE CITY OF WOODBURN DETAIL 6510-3 ON SHEET C505.
- PIPE BEDDING, PIPE ZONE MATERIALS SHALL BE AS SPECIFIED ON THE PLANS AND THE CITY OF WOODBURN SPECIFICATIONS.
- SEWER MAINS TO BE AIR TESTED FOLLOWING TRENCH BACKFILL AND COMPACTION. VIDEO INSPECTION AND 95% MANDREL TEST PER APWA 303.3.11 REQUIRED FOR ALL SANITARY SEWERS.
- SETTLEMENT OF THE FINISHED SURFACE WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED TO BE A RESULT OF IMPROPER COMPACTION AND SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- ALL AC SAWCUT LINES SHALL BE STRAIGHT. ALL EDGES SHALL BE SEALED AND SANDED UPON COMPLETION.
- ALL SANITARY SEWER AND WATERLINE CROSSINGS SHALL CONFORM TO THE REQUIREMENTS OF OAR 333.
- TRENCH SHALL BE BACKFILLED WITH 3/4"-0 CRUSHED ROCK COMPACTED IN 6" LIFTS TO 95% OF AASHTO T-180. PIPE TRENCH BEDDING SHALL BE CLEAN 3/4"-0 CRUSHED ROCK.

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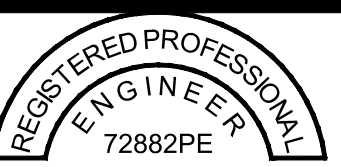
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**GENERAL NOTES FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



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OREGON  
JUNE 14, 2007  
RICHARD D. BOYLE

EXPIRES: 12/31/2023

DESIGNED:  
DPS

CHECKED:  
RDB

MAY 20, 2022  
74203.000

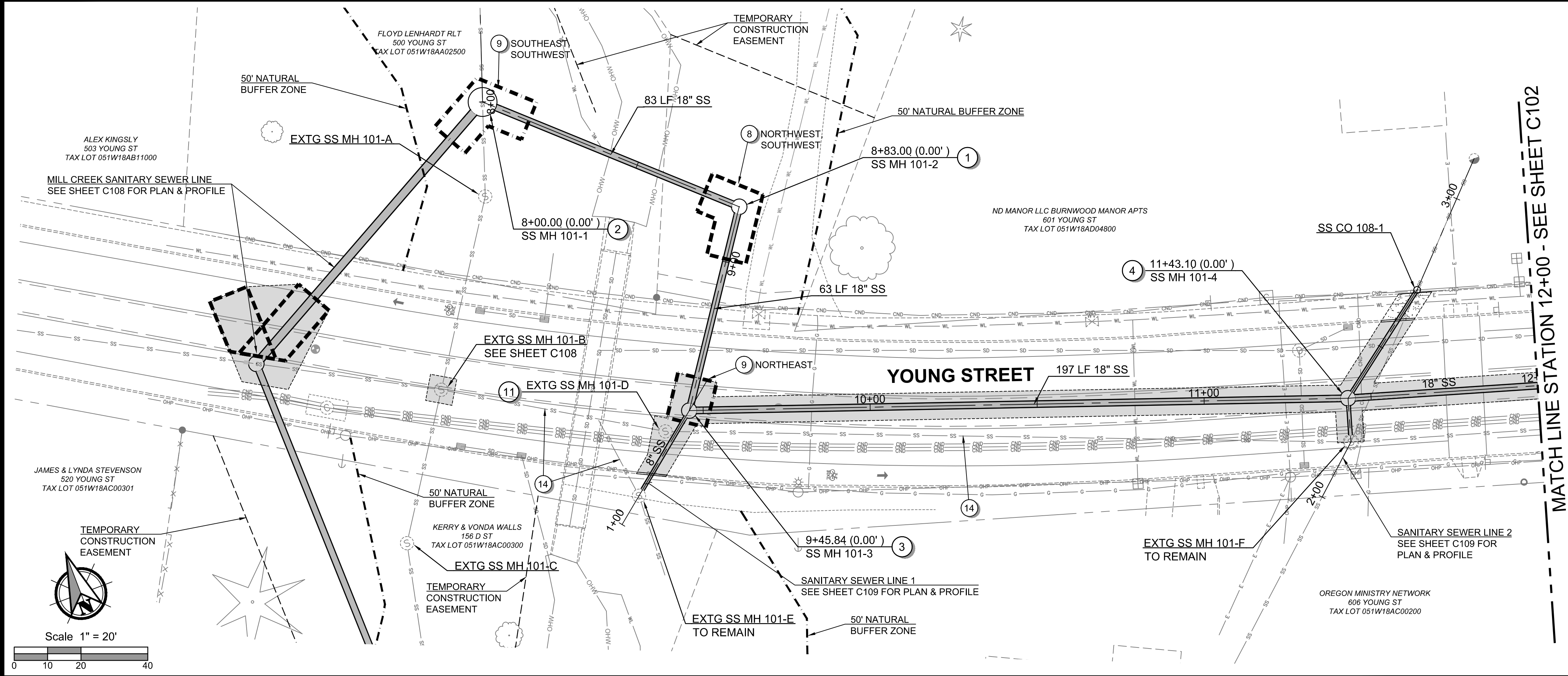
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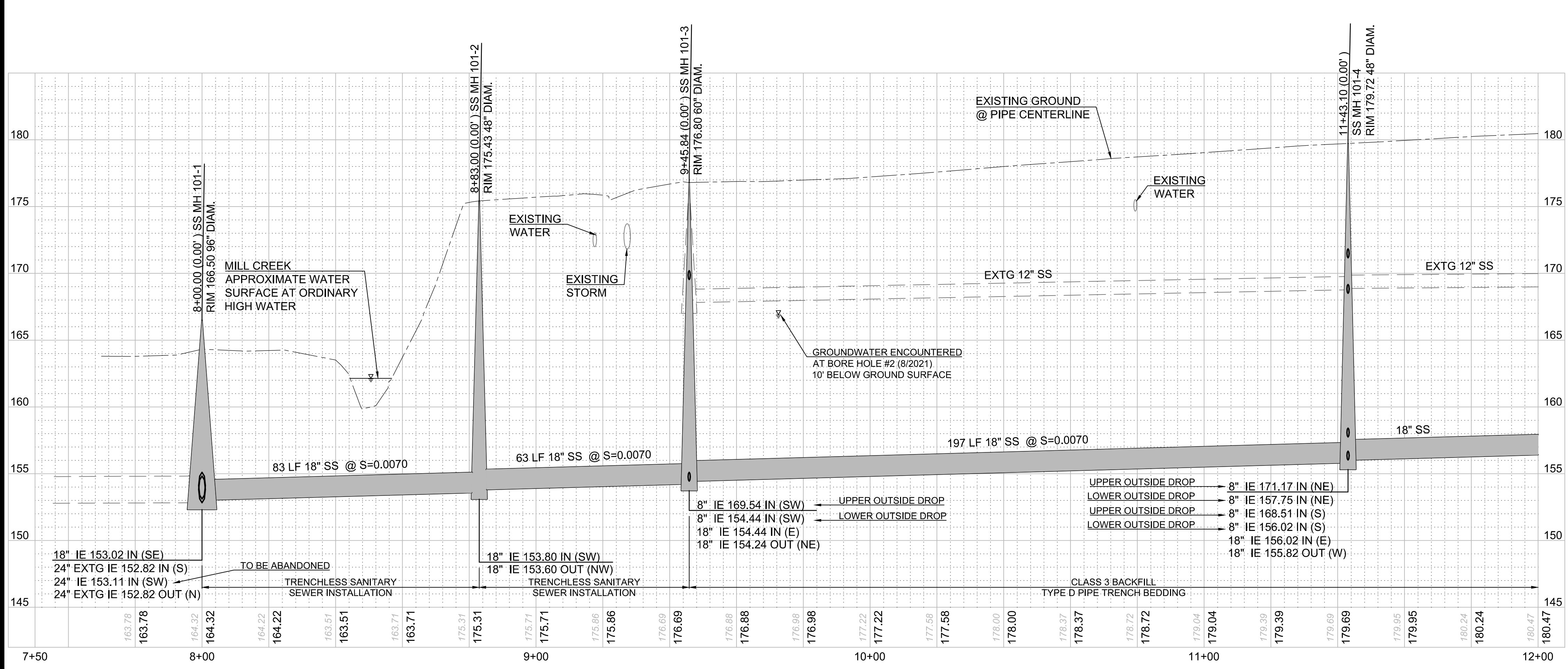
SHEET **3** OF **44**



CITY OF WOODBURN PROJECT # 2021-006-28



- SANITARY SEWER CONSTRUCTION NOTES**
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**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON

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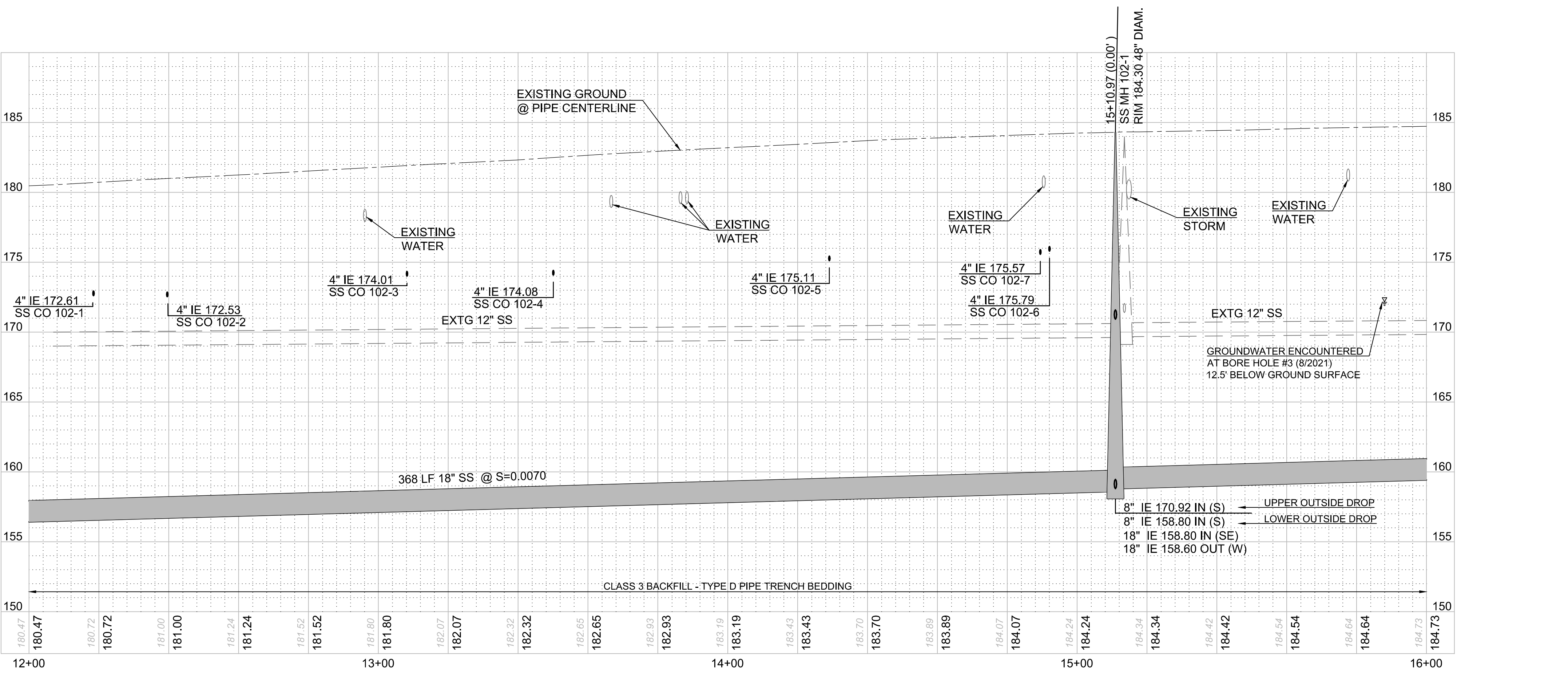
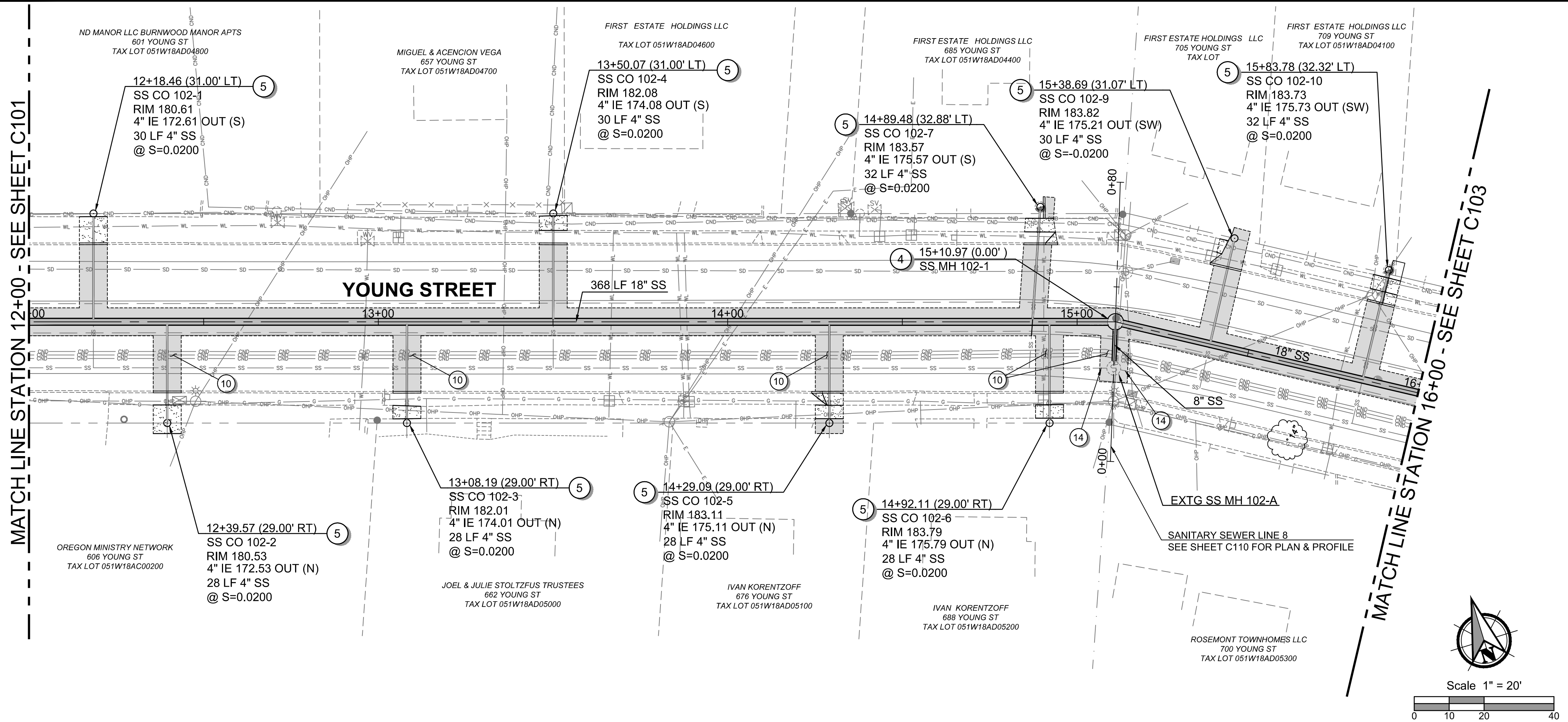
REGISTERED PROFESSIONAL ENGINEER  
 72882PE  
 OREGON  
 JUNE 14, 2007  
 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

DESIGNED: DPS  
 CHECKED: RDB  
 MAY 20, 2022  
 74203.000  
 SHEET ID  
**C101**  
 SHEET 4 OF 44

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**YOUNG STREET - STATION 12+00 TO STATION 16+00**

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CITY OF WOODBURN PROJECT # 2021-006-28

**FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON

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REGISTERED PROFESSIONAL ENGINEER  
72882PE

OREGON  
JUNE 14, 2007  
RICHARD D. BOYLE

EXPIRES: 12/31/2023

DESIGNED: DPS

CHECKED: RDB

MAY 20, 2022  
74203.000

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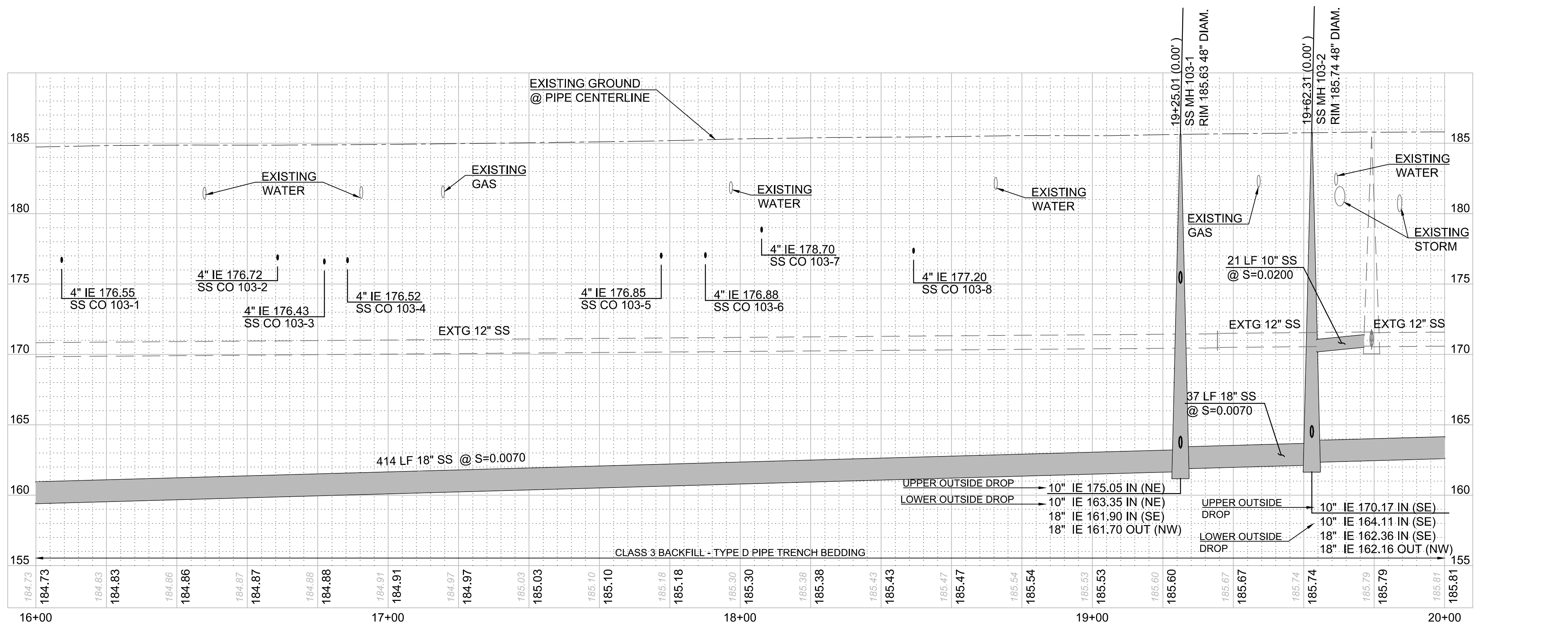
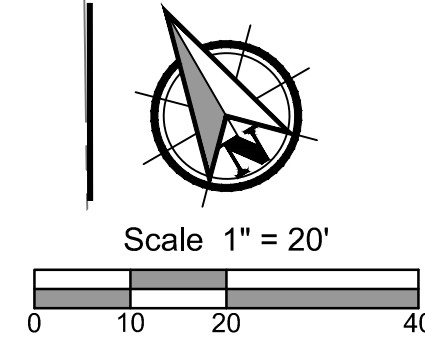
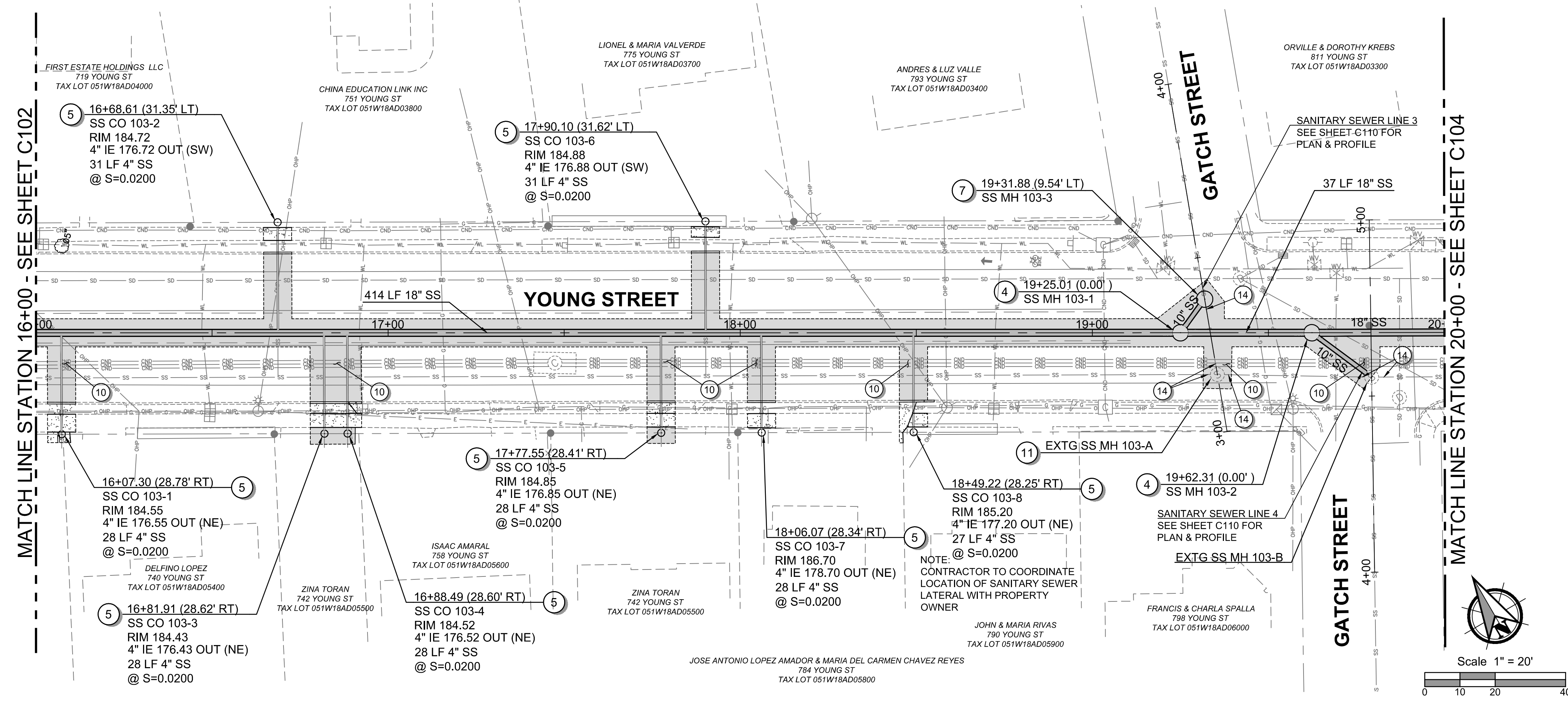
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**YOUNG STREET - STATION 16+00 TO STATION 20+00**

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CITY OF WOODBURN PROJECT # 2021-006-28

**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON

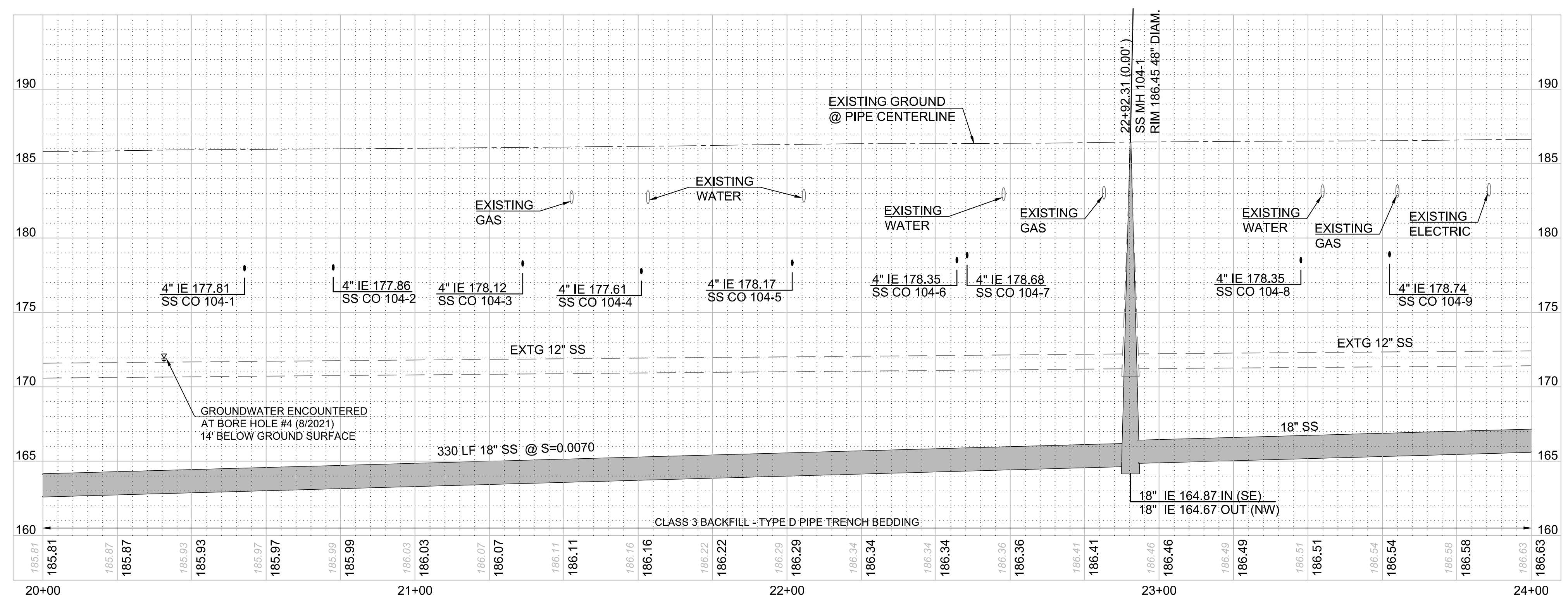
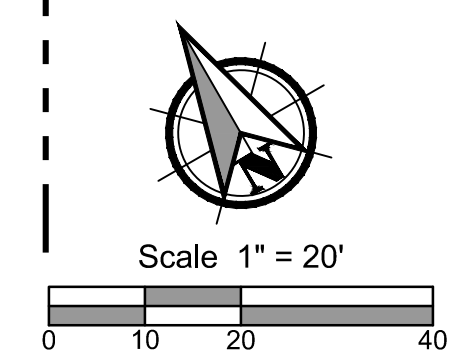
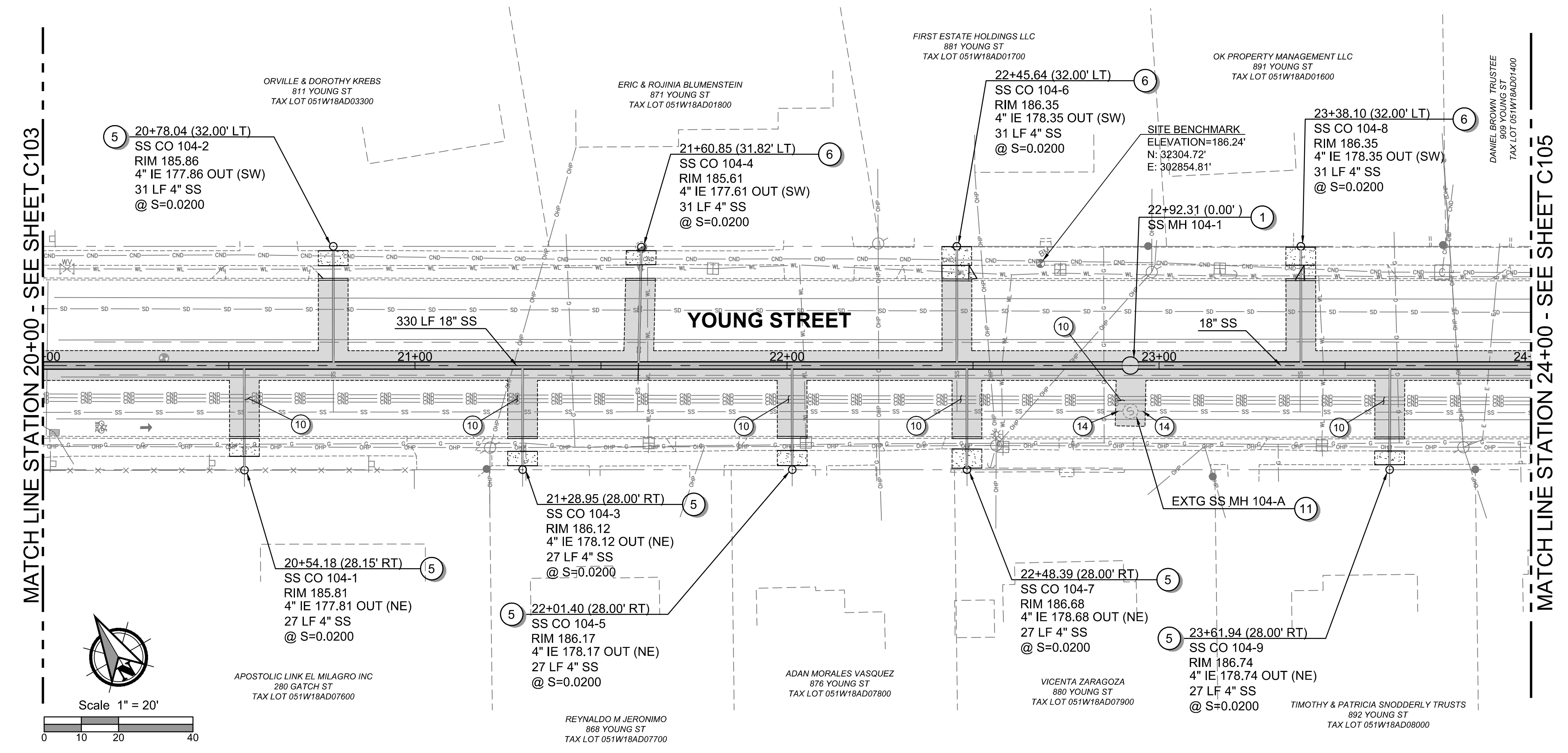


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SHEET <b>6</b> OF <b>44</b>

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YOUNG STREET - STATION 20+00 TO STATION 24+00

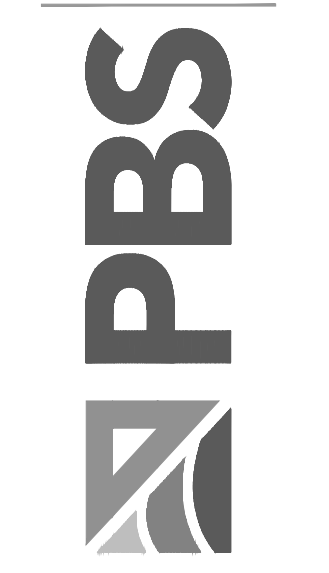
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**YOUNG STREET SANITARY SEWER PLAN & PROFILE (20+00 - 24+00) FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON

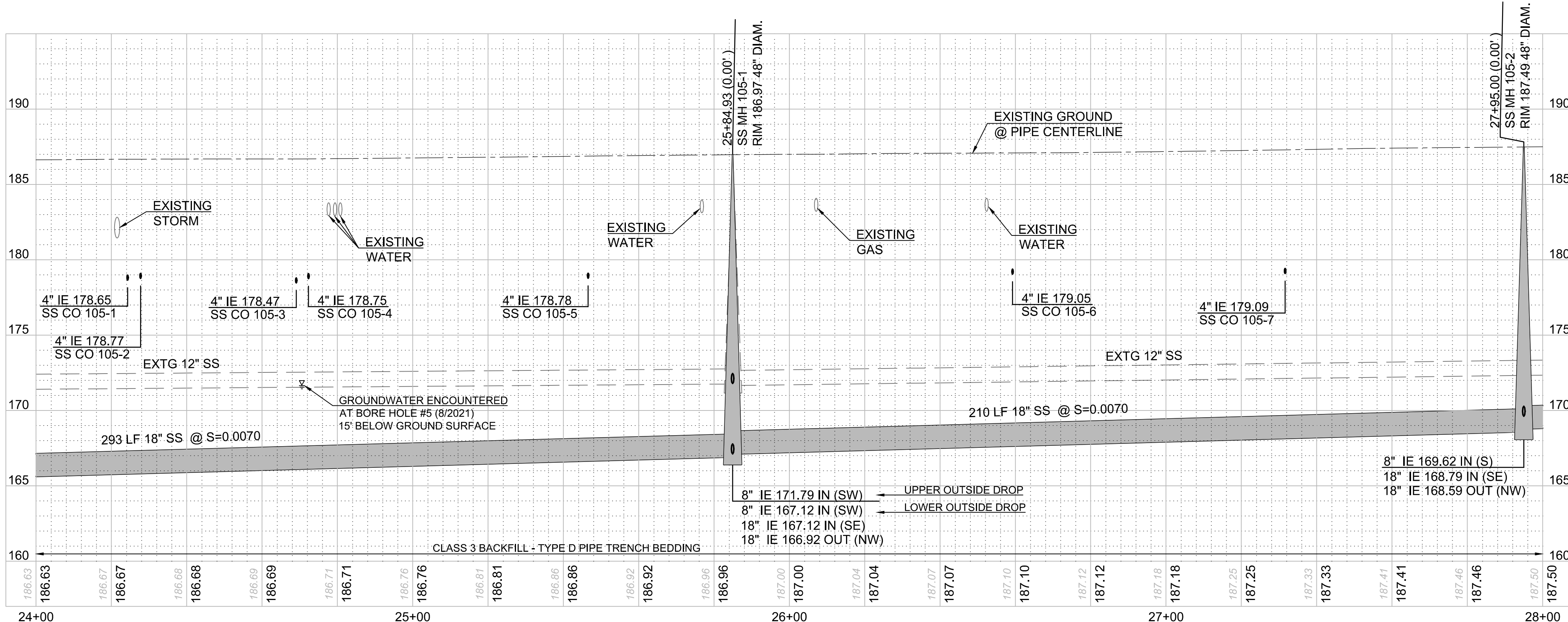
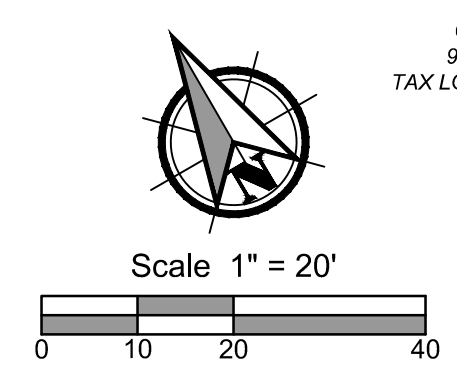
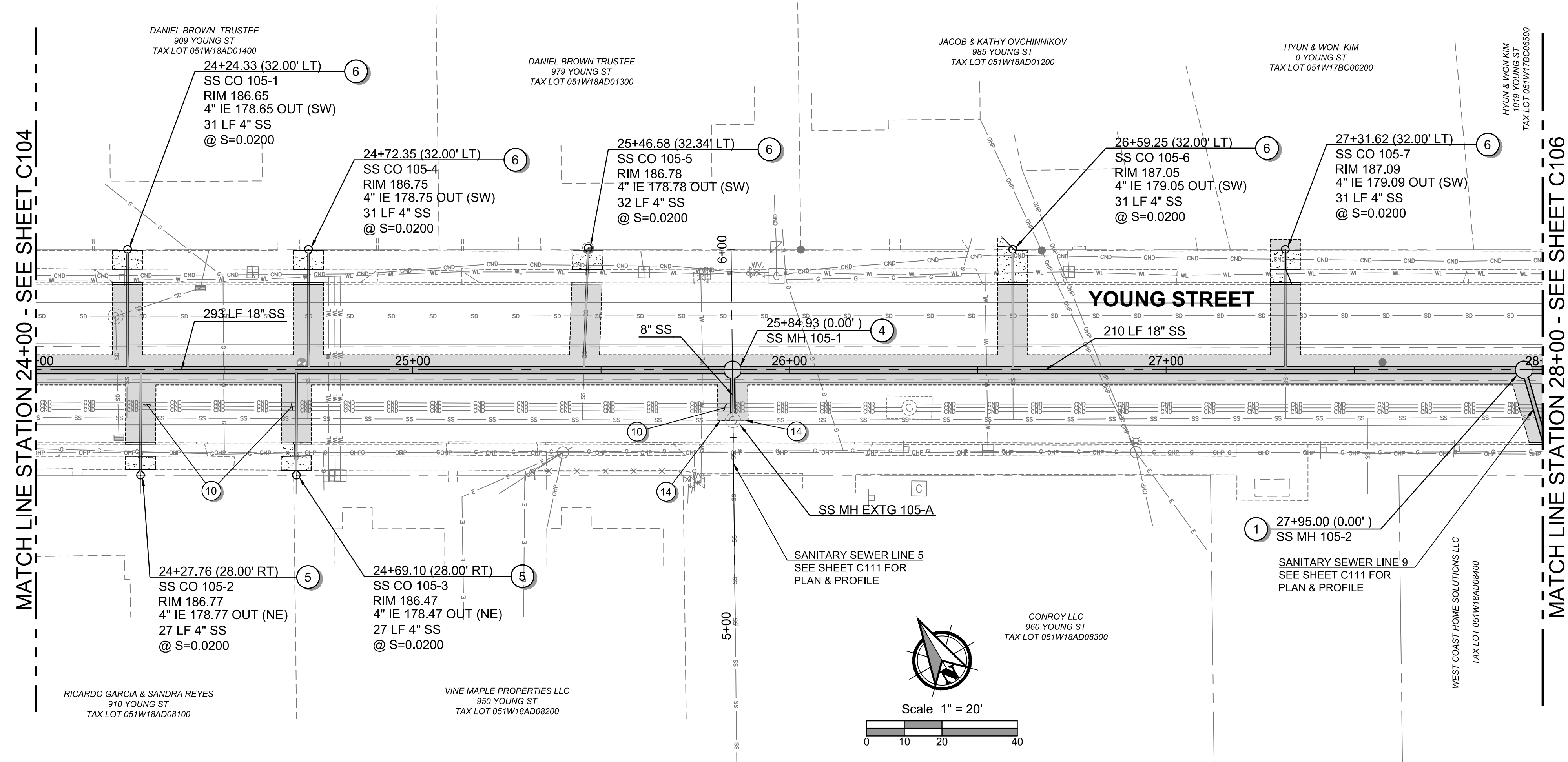


OREGON  
 JUNE 14, 2007  
 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

DESIGNED:  
 DPS  
 CHECKED:  
 RDB  
 MAY 20, 2022  
 74203.000

SHEET ID  
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**YOUNG STREET - STATION 24+00 TO STATION 28+00**

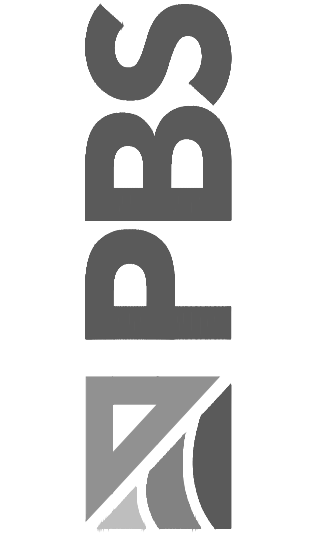
**SANITARY SEWER CONSTRUCTION NOTES**

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8. LAUNCHING PIT SHAFT EXCAVATION AND BACKFILL.
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10. EXISTING CONDUIT DUCT BANK TO BE PROTECTED. CONDUIT DUCT BANK SHALL BE PHYSICALLY SUPPORTED WHEN TRENCHING AND/OR EXCAVATION ACTIVITIES ARE NEAR THE DUCT BANK.
11. AFTER COMPLETION OF NEW SANITARY SEWER MAIN, ABANDON EXISTING MANHOLE.
12. INSTALL SEWER SERVICE CONNECTION PER CITY OF WOODBURN DETAIL NO. 6200-3, SEE DETAIL ON SHEET C505. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING LATERAL.
13. CONNECT SANITARY SEWER PIPE TO EXISTING SANITARY SEWER MANHOLE. EXISTING SANITARY SEWER MANHOLE SHALL BE CHANNIELED TO DIRECT FLOW TO NEW SANITARY SEWER PIPE.
14. EXISTING SANITARY SEWER PIPE TO BE ABANDONED, FILLED WITH CONTROL DENSITY FILL (CDF) AND PLUGGED.
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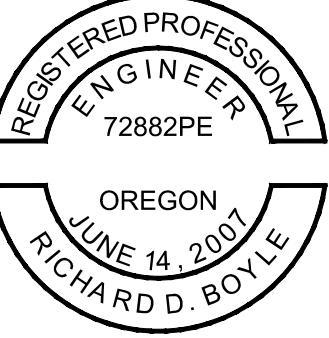
NOTE: MINIMUM CLEANOUT INVERT ELEVATION AT RIGHT OF WAY IS AT A DEPTH OF 8 FEET. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING LATERAL AND MATCH EXISTING INVERT ELEVATION.



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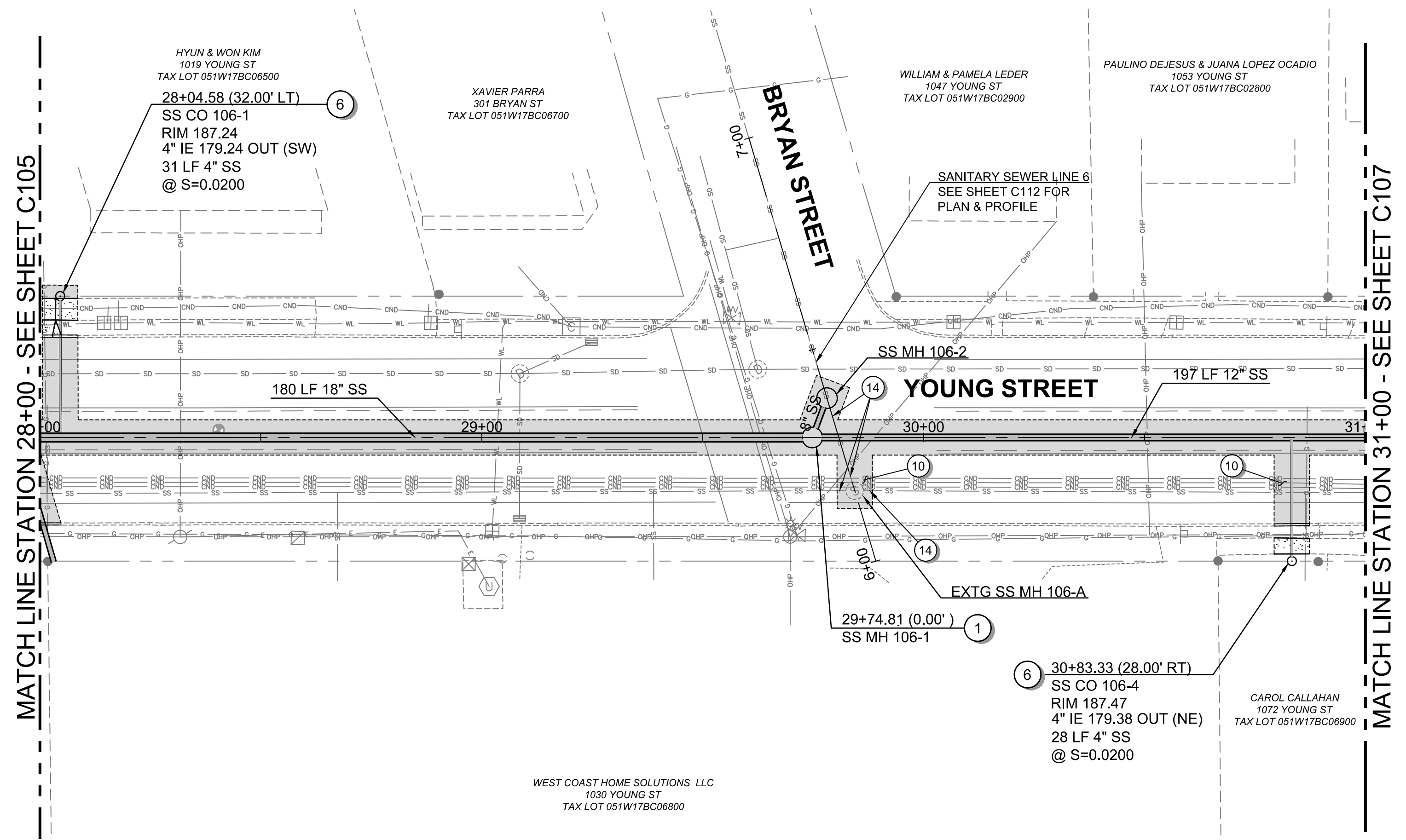
**YOUNG STREET SANITARY SEWER PLAN & PROFILE (24+00 - 28+00) FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



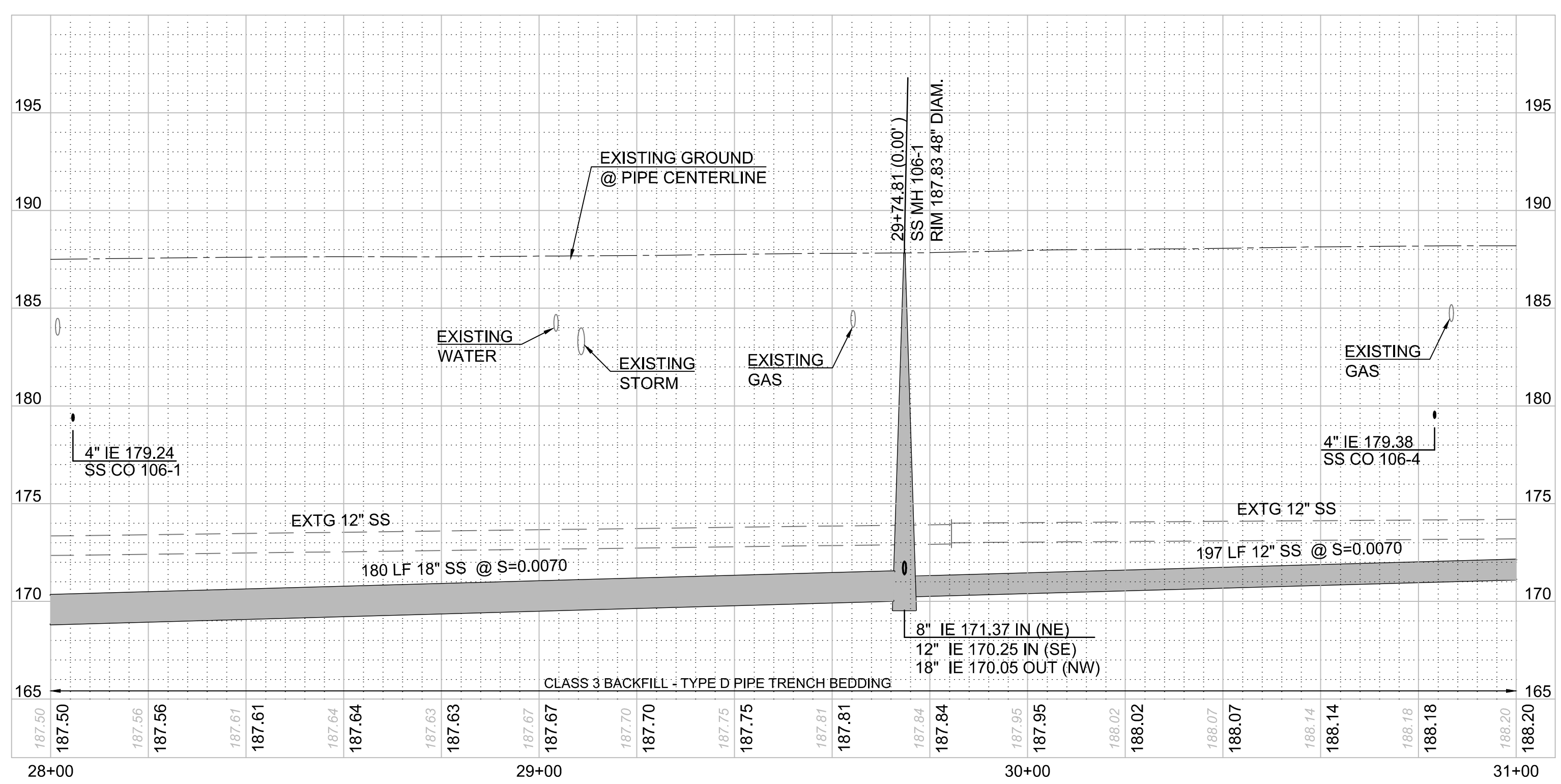
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MAY 20, 2022 74203.000
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SHEET <b>8</b> OF <b>44</b>

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.





- SANITARY SEWER CONSTRUCTION NOTES**
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YOUNG STREET - STATION 28+00 TO STATION 31+00

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CITY OF WOODBURN PROJECT # 2021-006-28

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 503.246.1839  
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**PBS**

**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON

Know what's below.  
 Call before you dig.

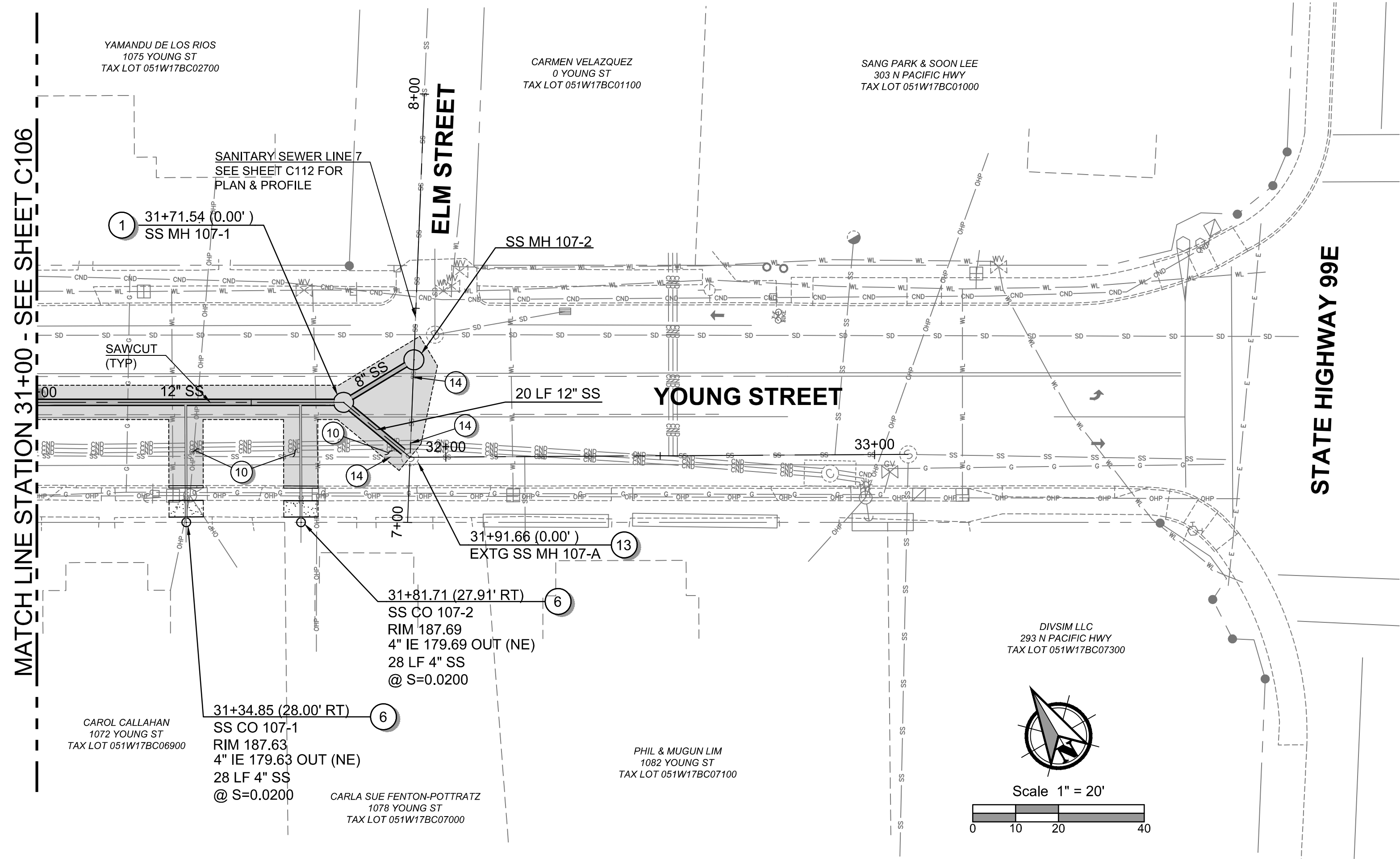
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 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

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SHEET ID <b>C106</b>
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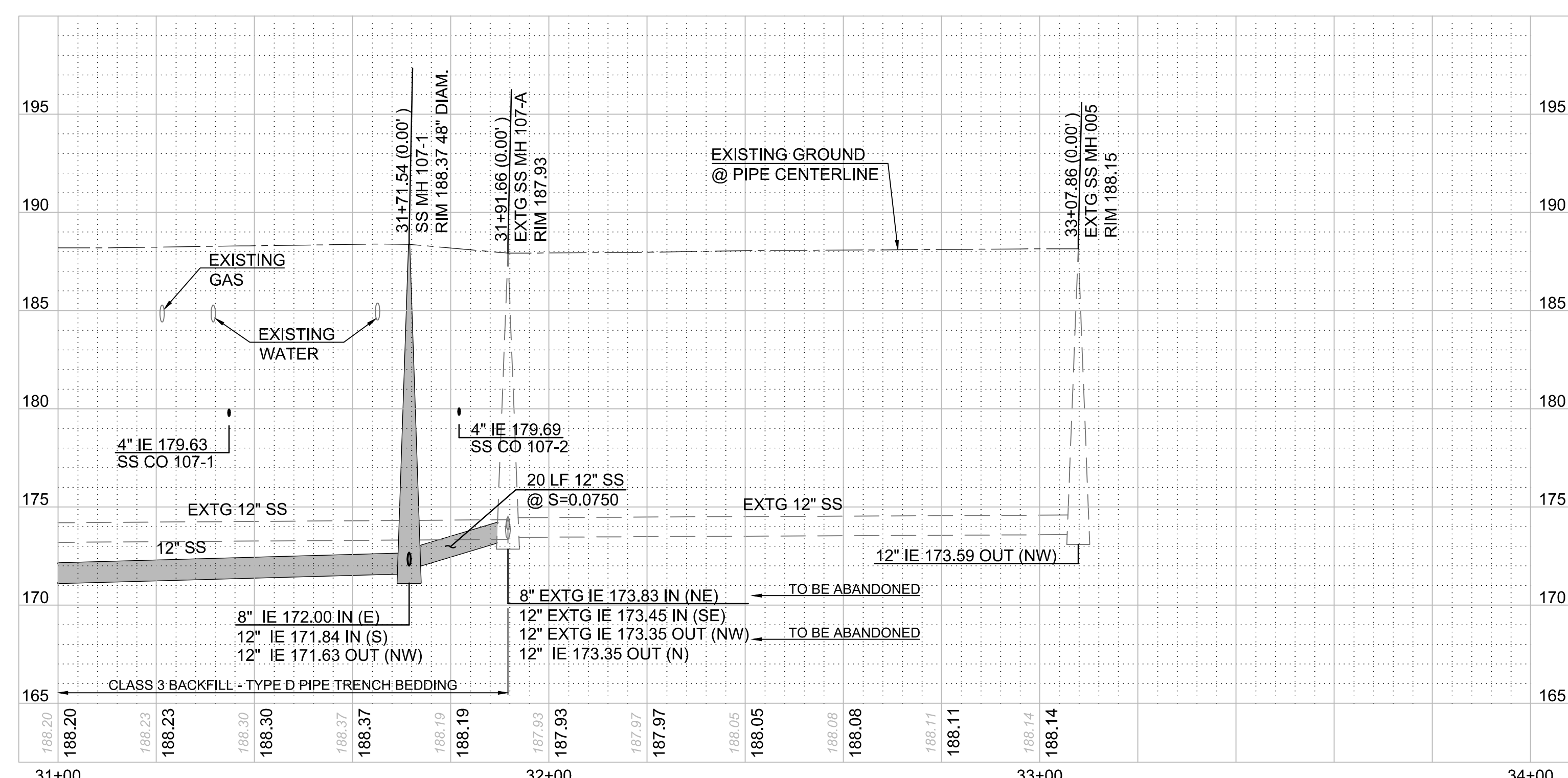
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**YOUNG STREET - STATION 31+00 TO STATION 34+00**



CITY OF WOODBURN PROJECT # 2021-006-28

**YOUNG STREET SANITARY SEWER PLAN & PROFILE (31+00 - 34+00) FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON

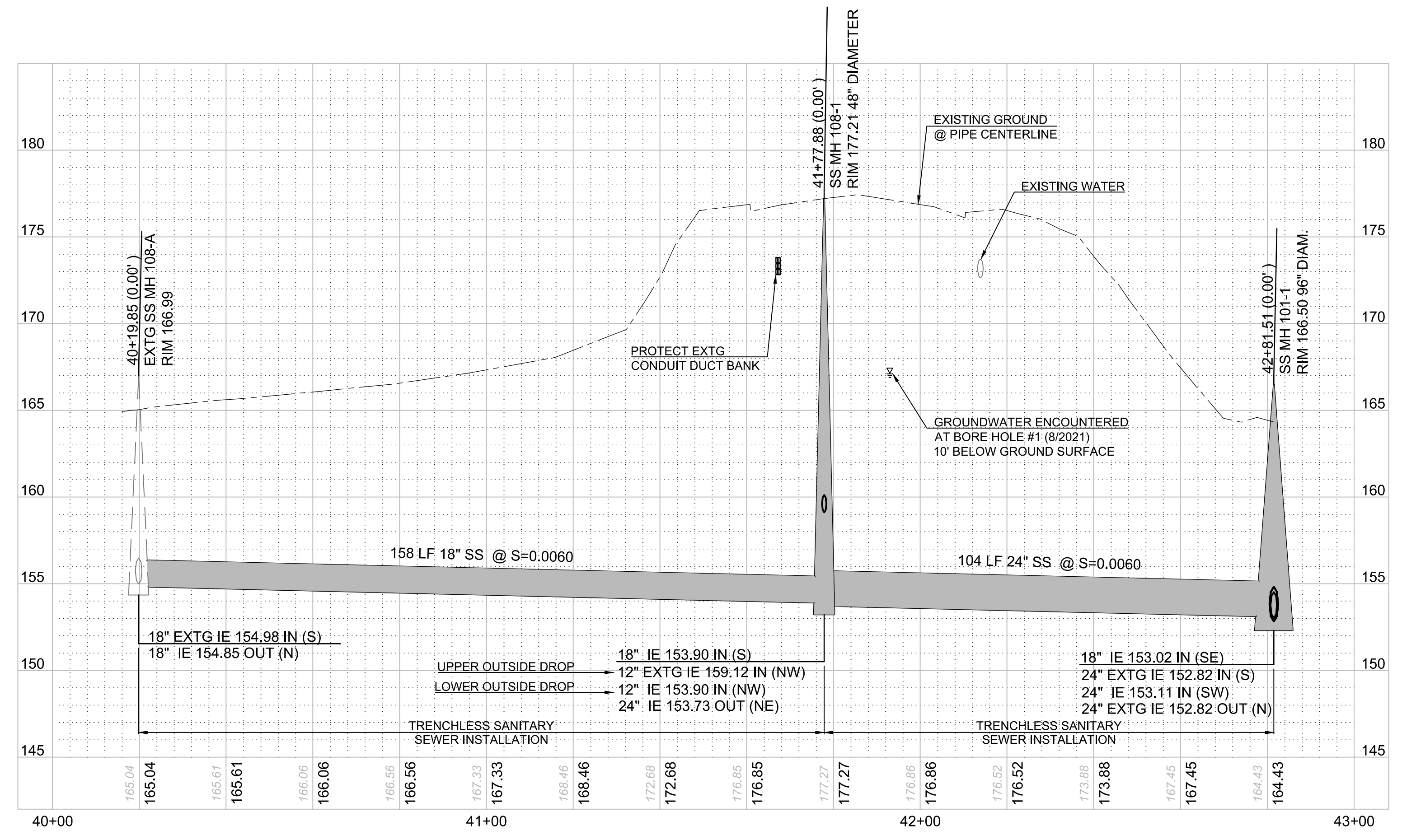
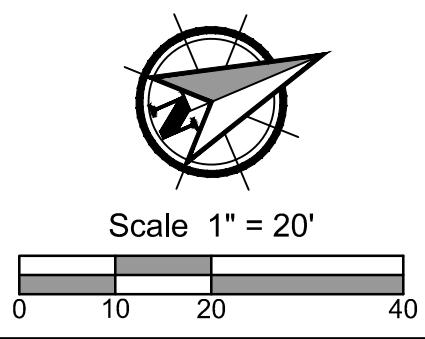
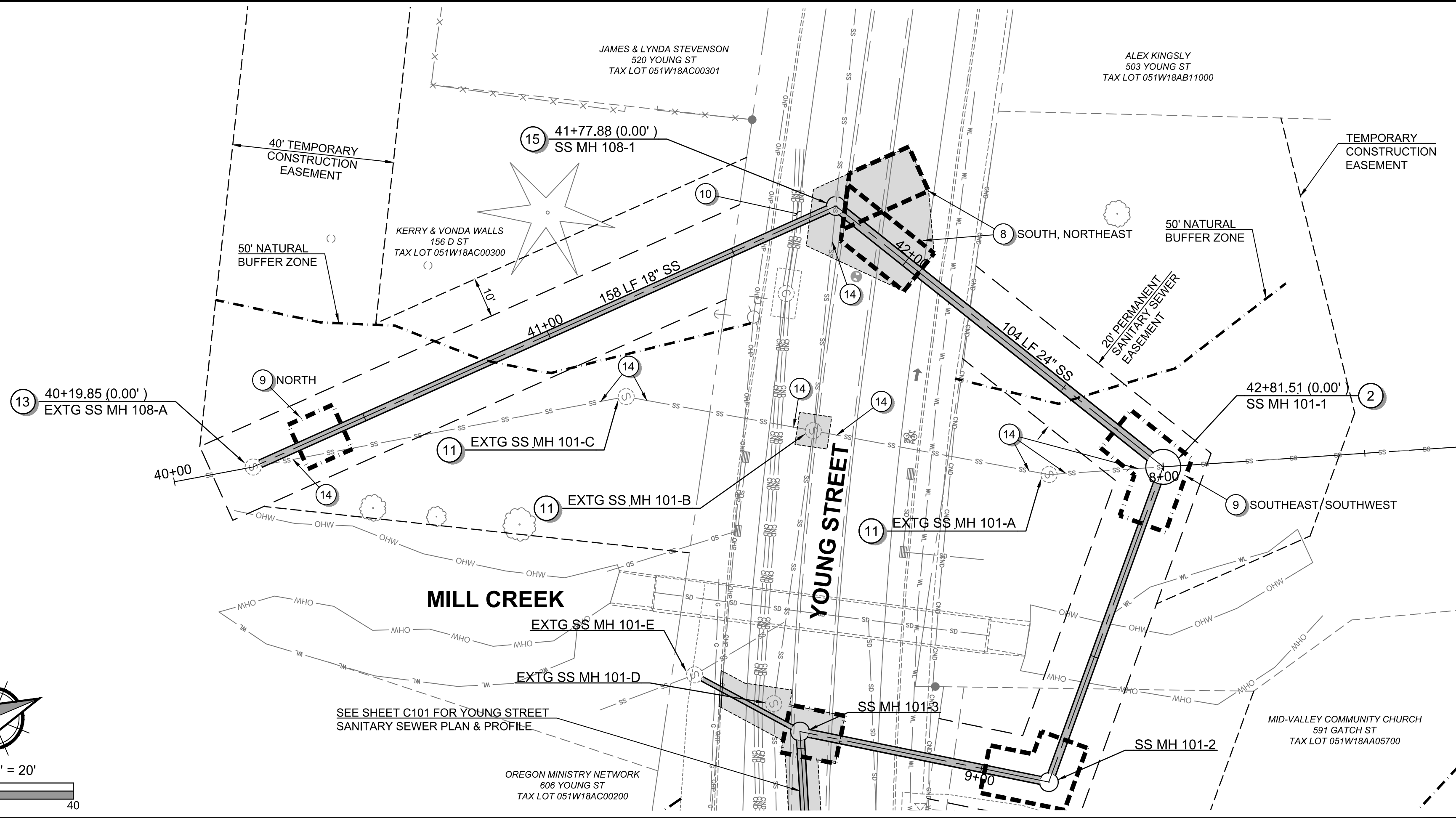


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MAY 20, 2022 74203.000
SHEET ID <b>C107</b>
SHEET <b>10</b> OF <b>44</b>

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**SANITARY SEWER CONSTRUCTION NOTES**

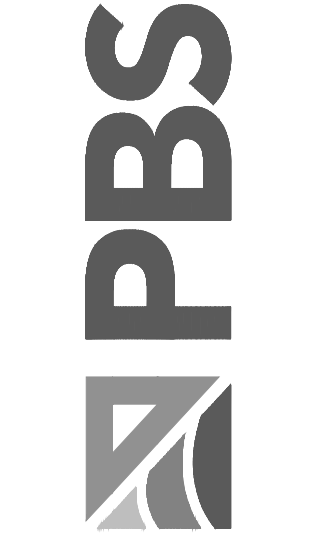
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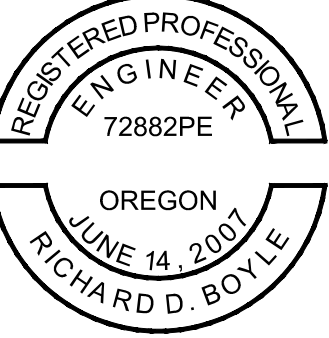


CITY OF WOODBURN PROJECT # 2021-006-28

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**MILL CREEK SANITARY SEWER PLAN & PROFILE FOR:**  
**YOUNG STREET SANITARY SEWER**  
**A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON**



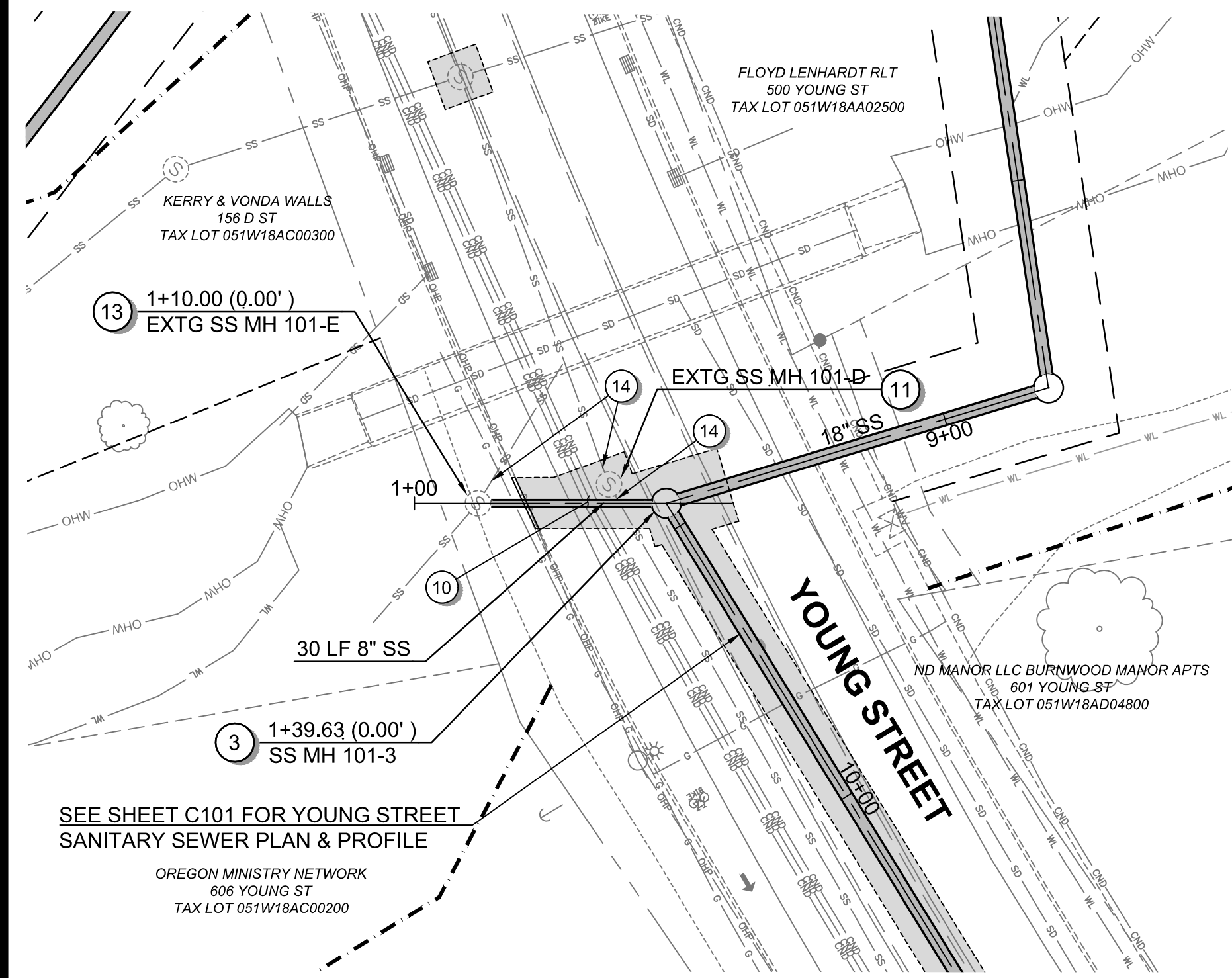
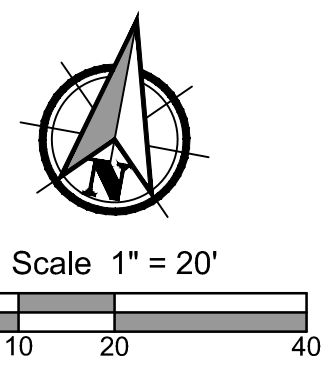
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DESIGNED: DPS

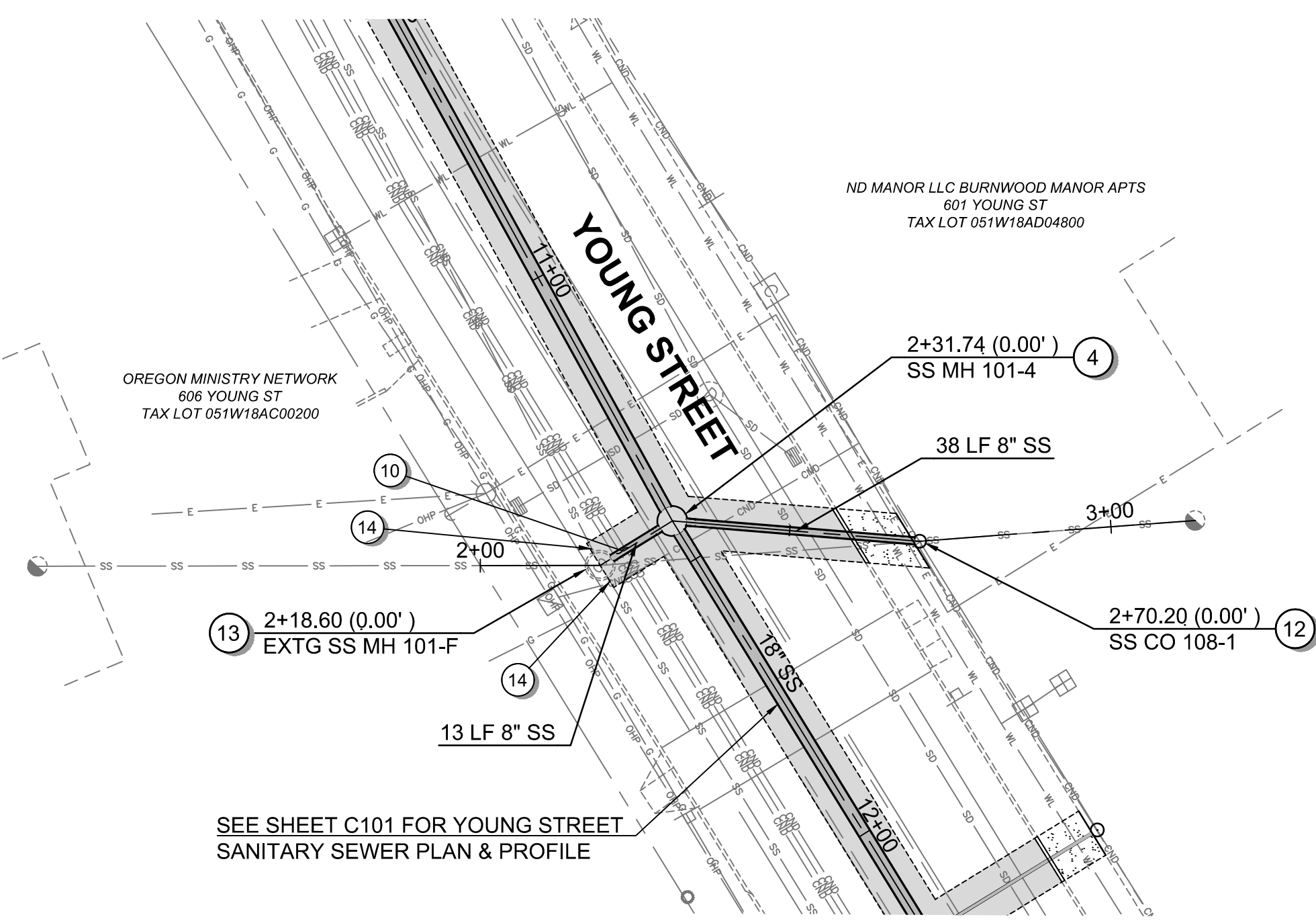
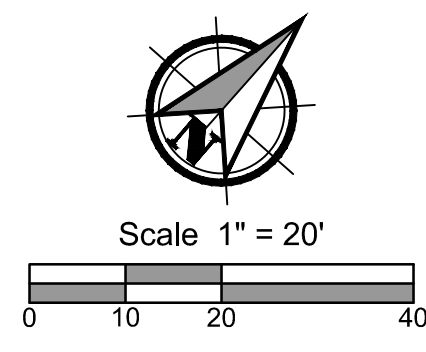
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SHEET 11 OF 44



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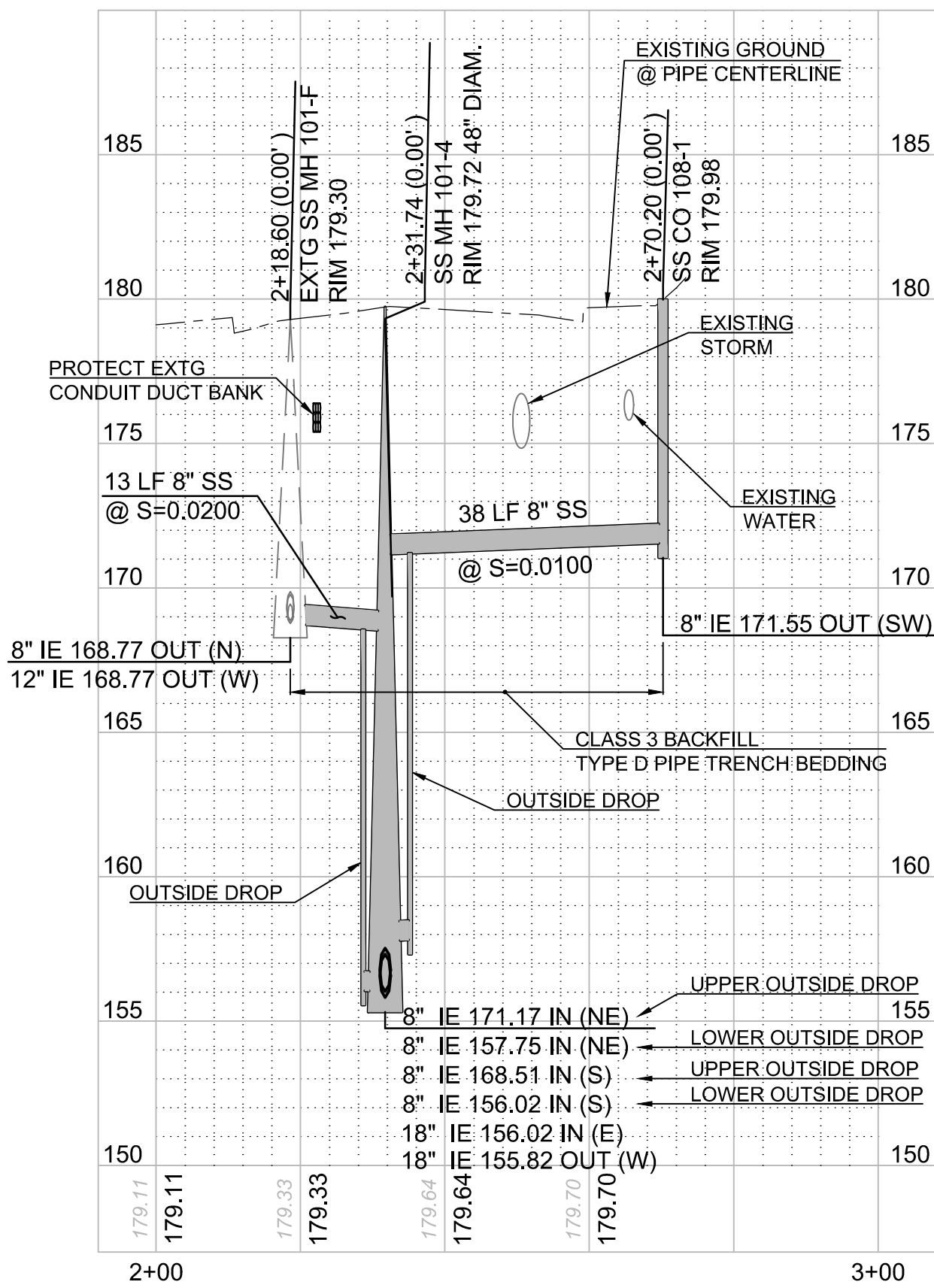
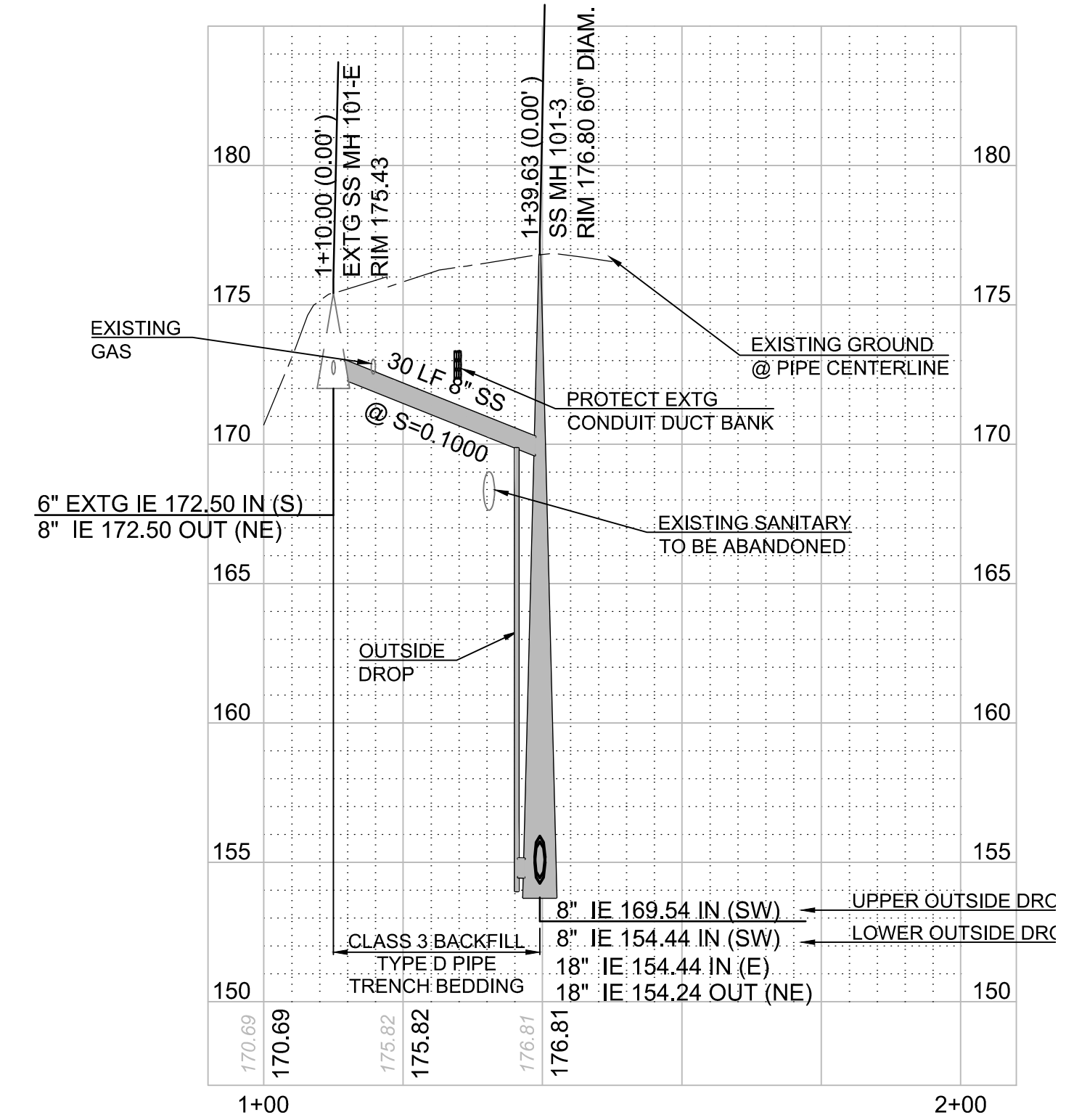


**SANITARY SEWER LINE 2**

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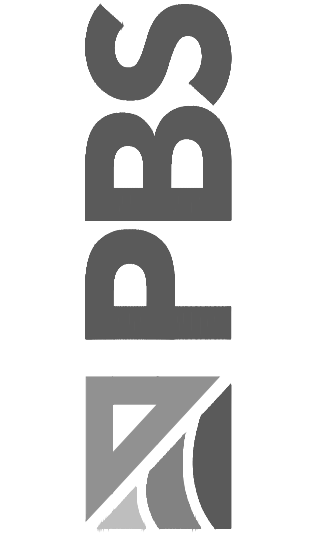
NOTE: MINIMUM CLEANOUT INVERT ELEVATION AT RIGHT OF WAY IS AT A DEPTH OF 8 FEET. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING LATERAL AND MATCH EXISTING INVERT ELEVATION.



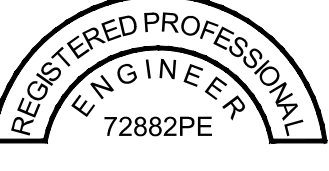
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Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

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**SANITARY SEWER LINE 1 & 2 PLAN & PROFILE FOR:**  
**YOUNG STREET SANITARY SEWER**  
**A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON**

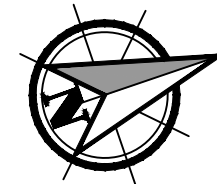


OREGON  
 JUNE 14, 2007  
 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

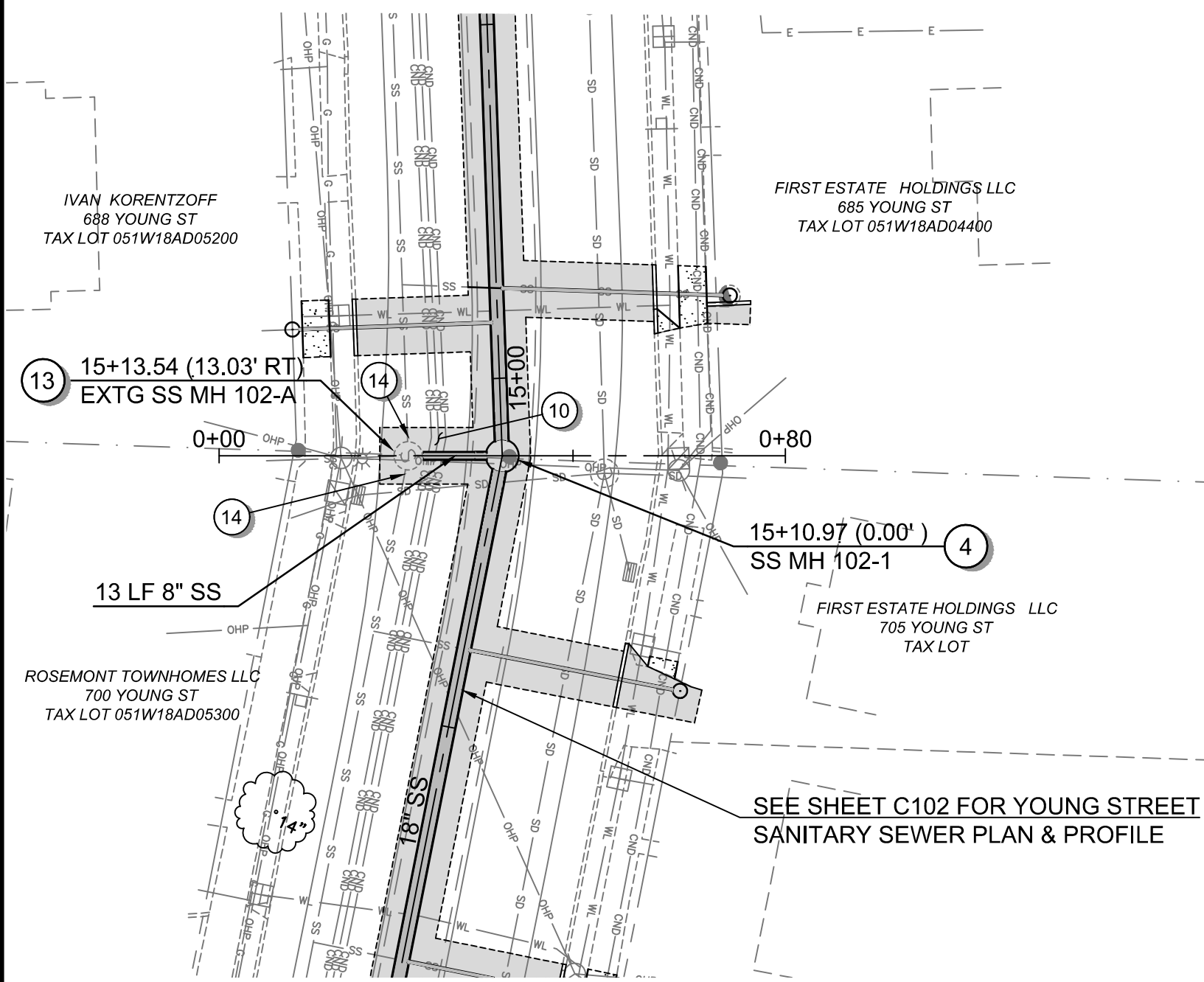
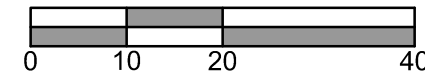
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MAY 20, 2022 74203.000
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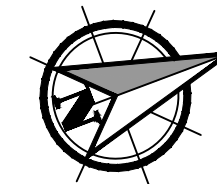
CITY OF WOODBURN PROJECT # 2021-006-28



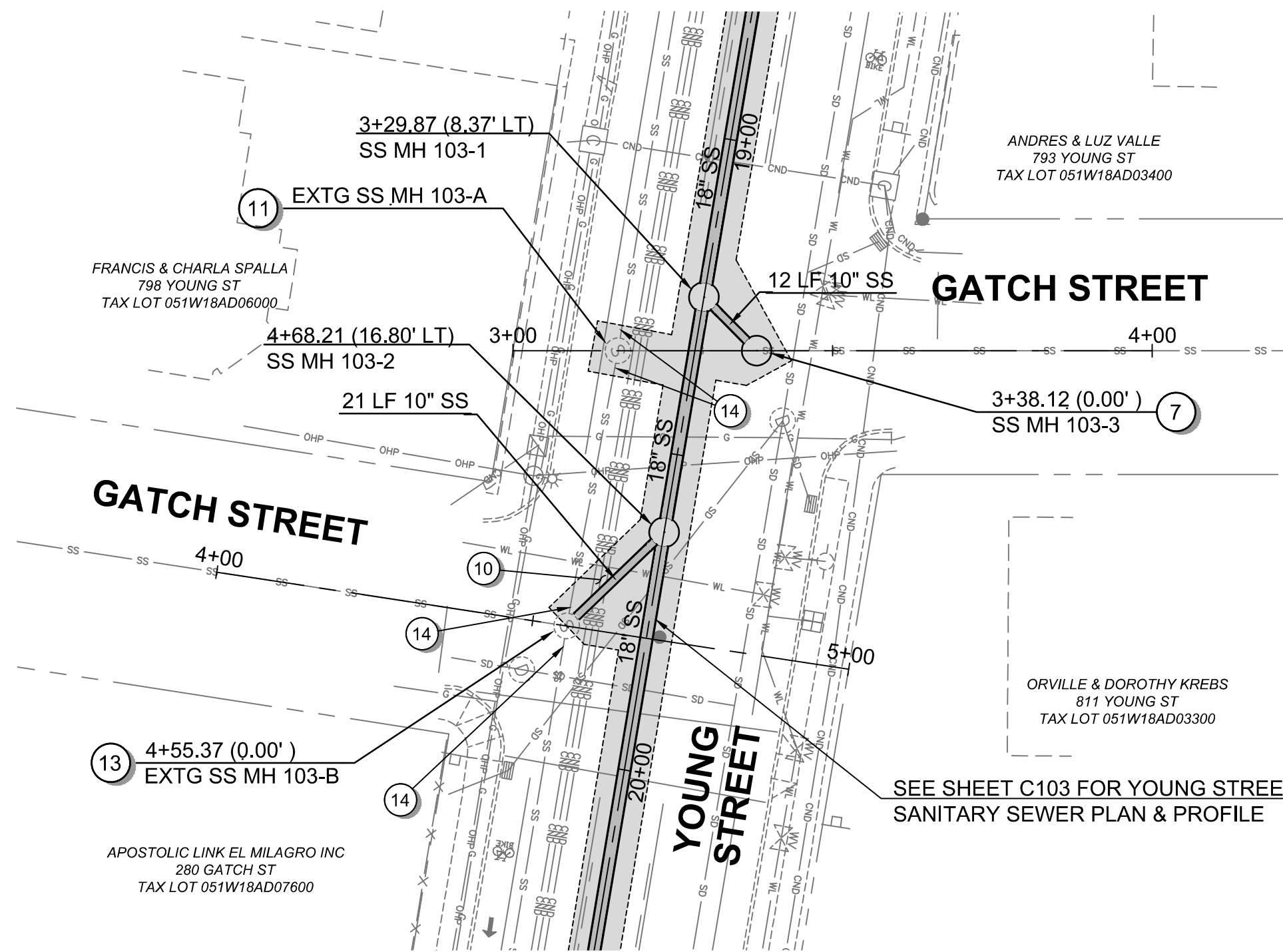
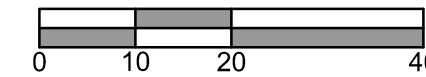
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SANITARY SEWER LINE 8



Scale 1" = 20'



SANITARY SEWER LINES 3 & 4

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CITY OF WOODBURN PROJECT # 2021-006-28

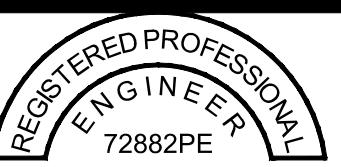
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SANITARY SEWER LINE 3, 4 & 8 PLAN & PROFILE FOR: YOUNG STREET SANITARY SEWER A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



Know what's below. Call before you dig.



EXPIRES: 12/31/2023

DESIGNED: DPS

CHECKED: RDB

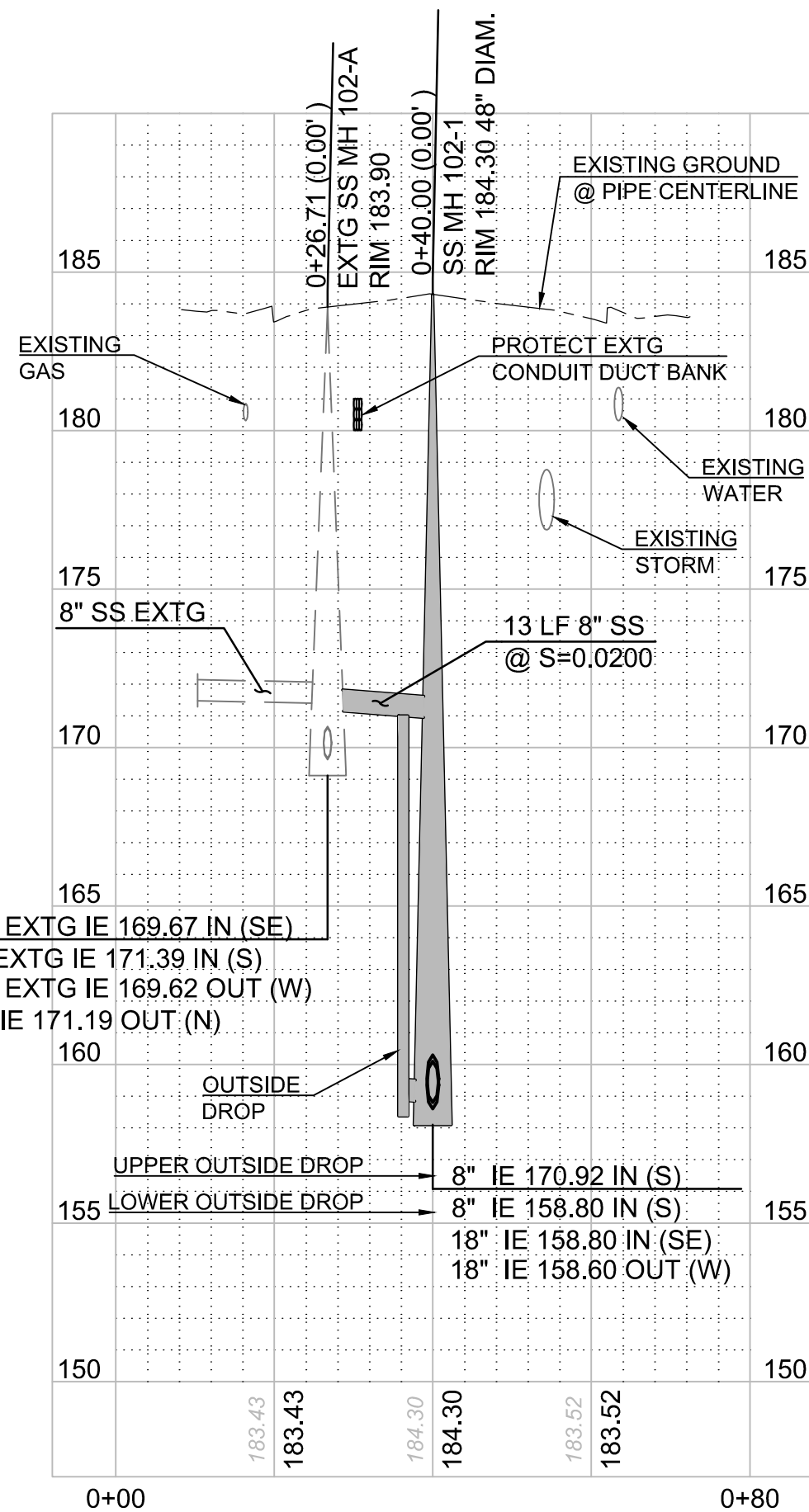
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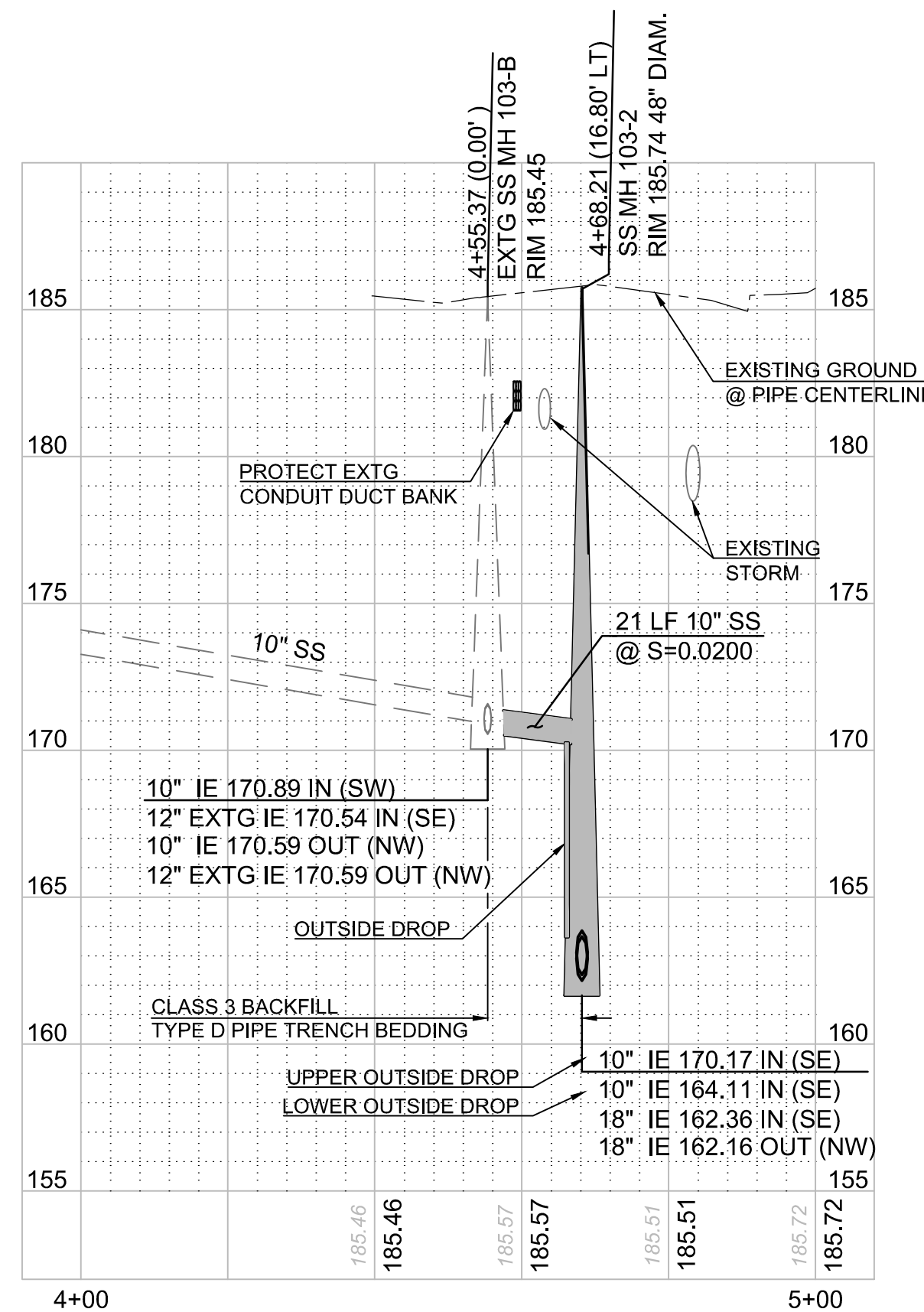
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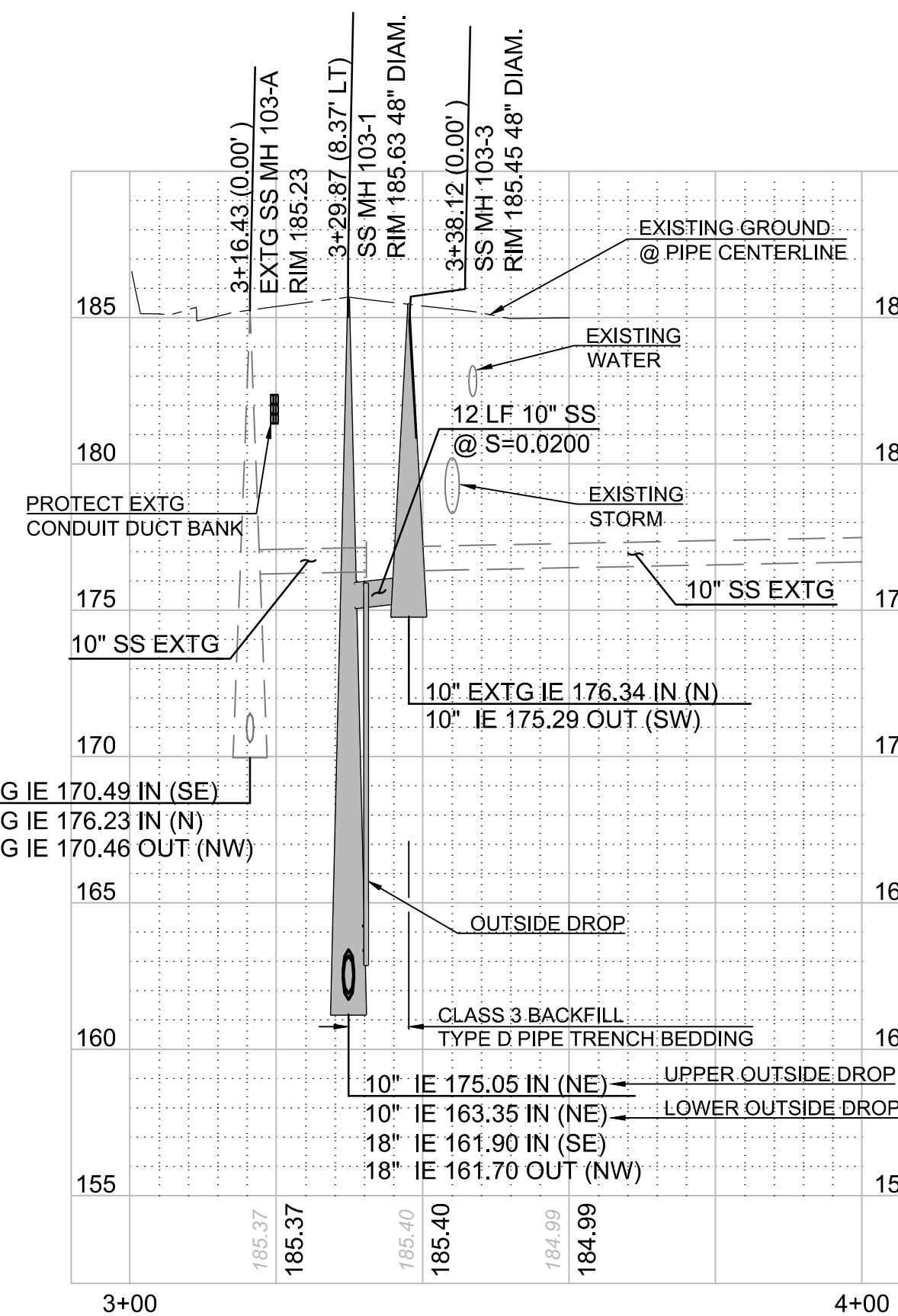
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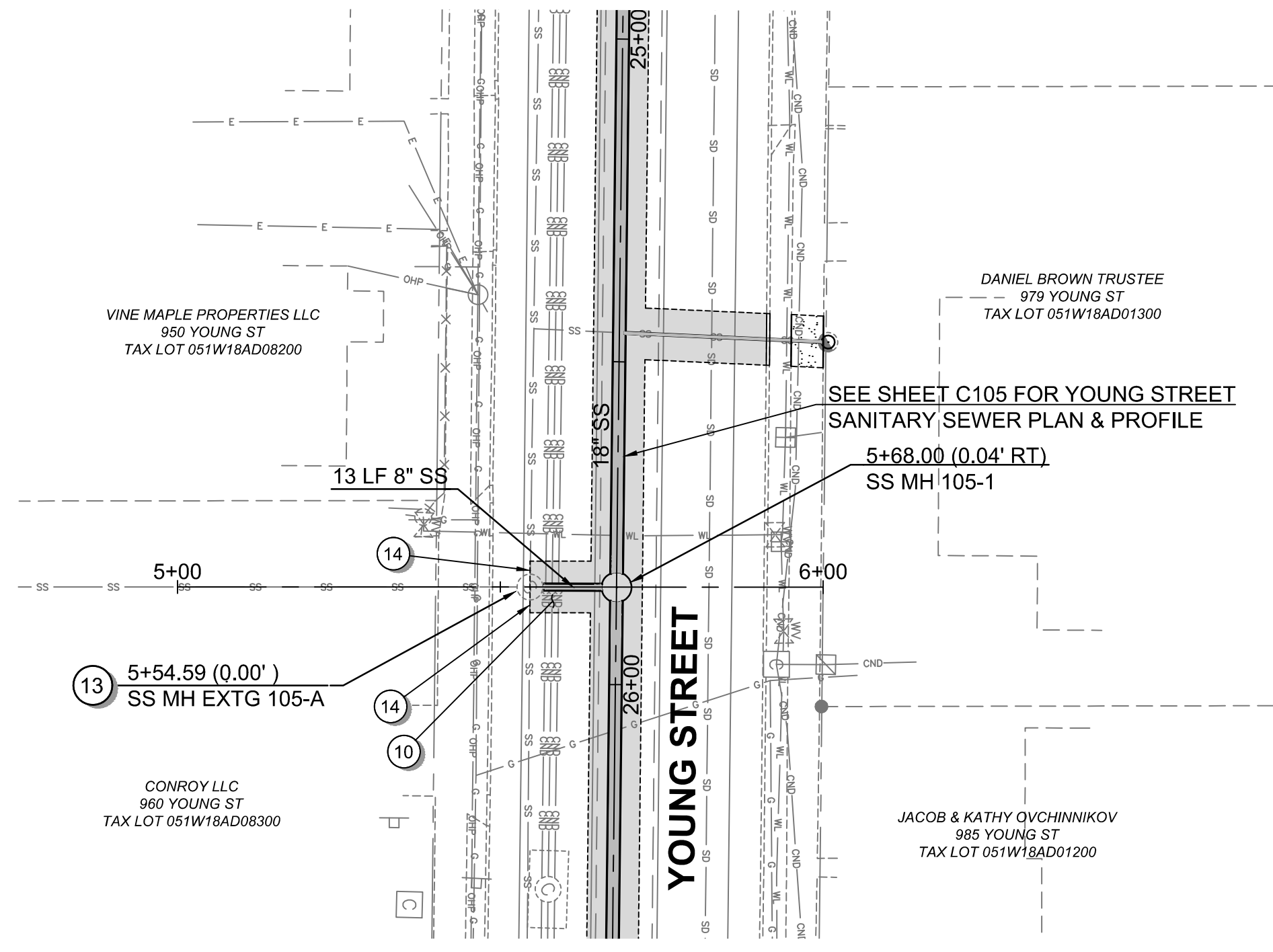
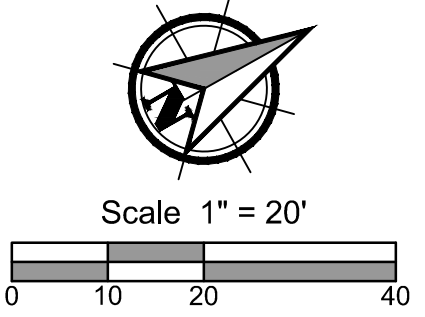
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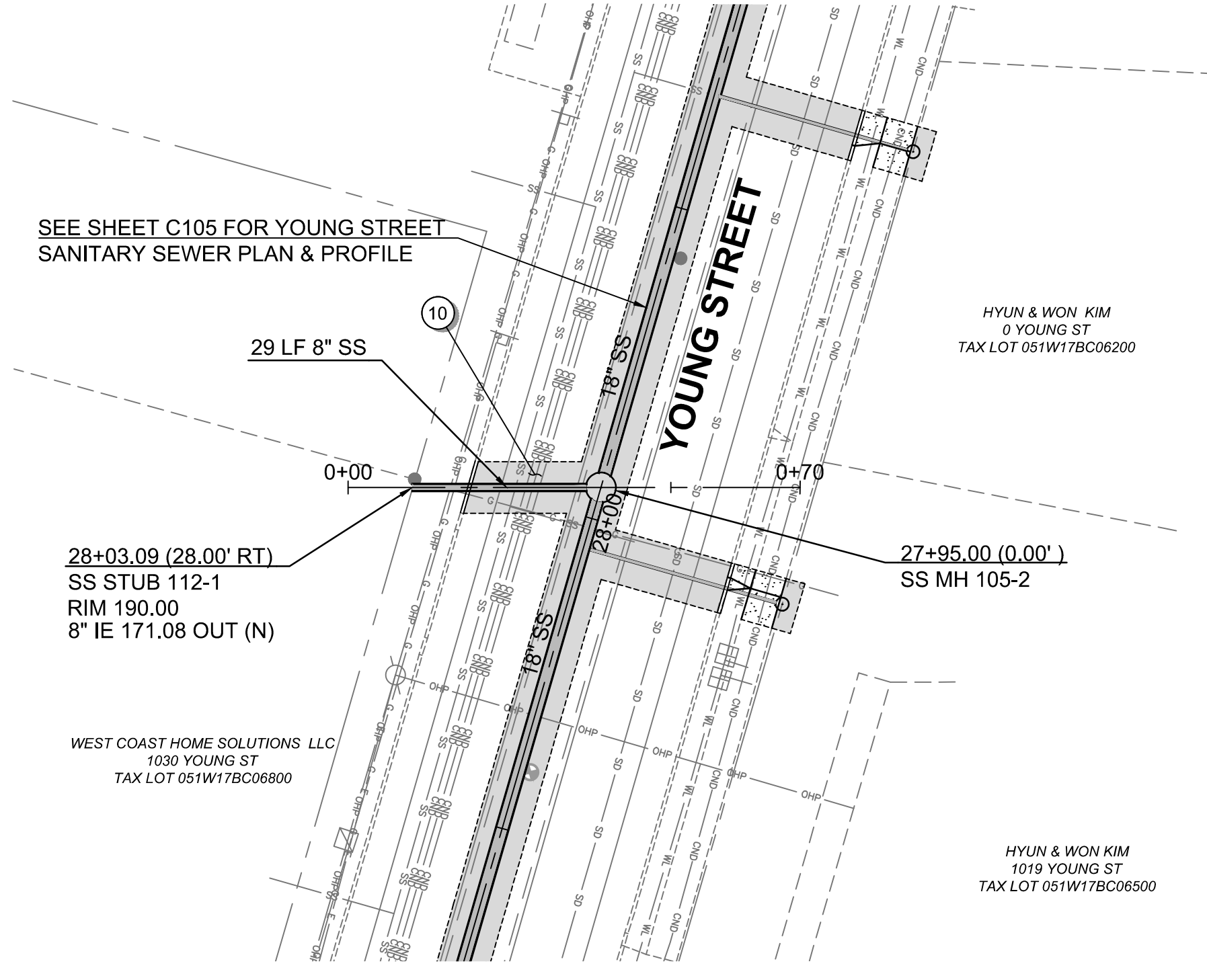
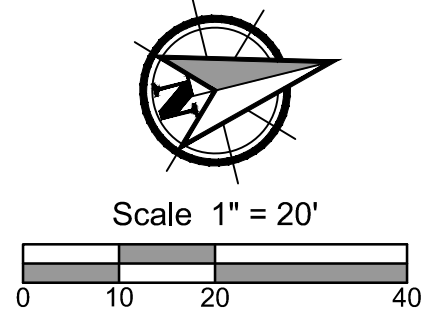
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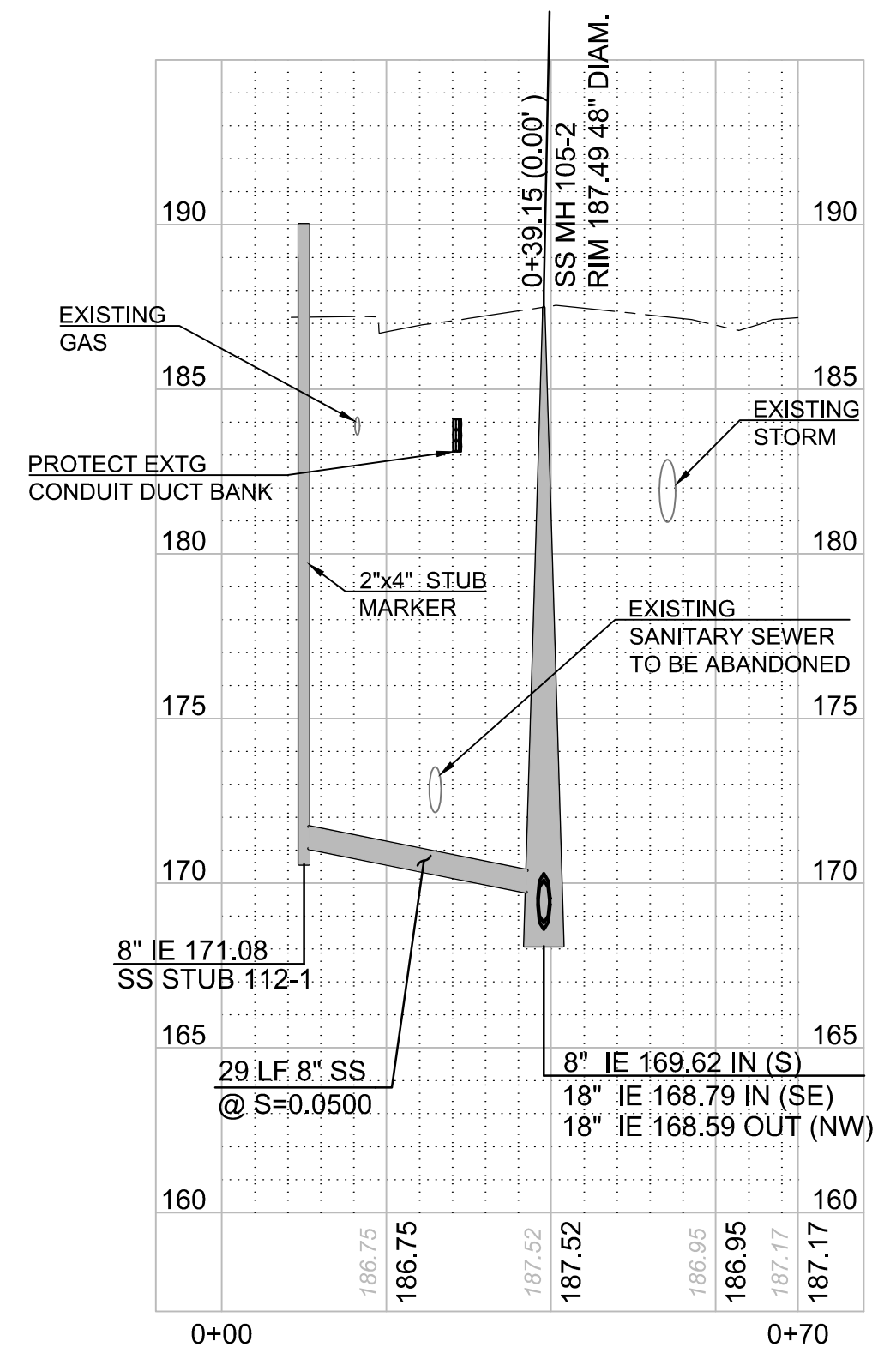
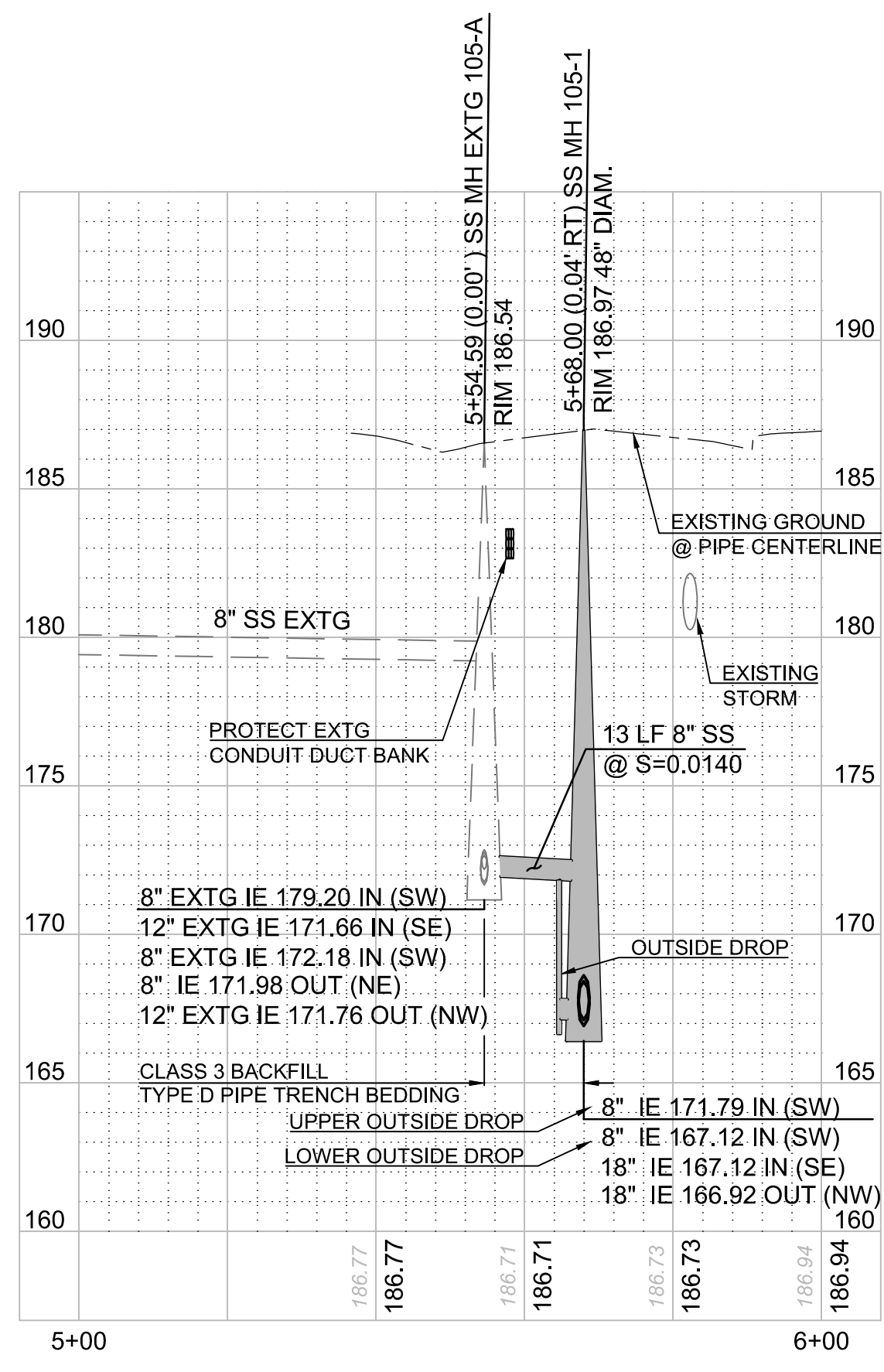
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**SANITARY SEWER LINE 5**



**SANITARY SEWER LINE 9**



**SANITARY SEWER CONSTRUCTION NOTES**

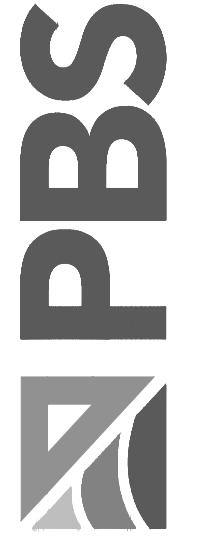
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CITY OF WOODBURN PROJECT # 2021-006-28

PBS Engineering and Environmental Inc.  
4412 S Corbett Avenue  
Portland, OR 97239  
503.246.1839  
pbsusa.com



**SANITARY SEWER LINE 5 & 9 PLAN & PROFILE FOR:**  
**YOUNG STREET SANITARY SEWER**  
A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



Know what's below.  
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REGISTERED PROFESSIONAL ENGINEER  
72882PE  
RICHARD D. BOYLE  
JUNE 14, 2001

EXPIRES: 12/31/2023

DESIGNED: DPS

CHECKED: RDB

MAY 20, 2022  
74203.000

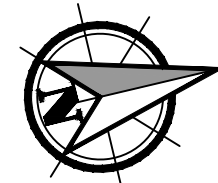
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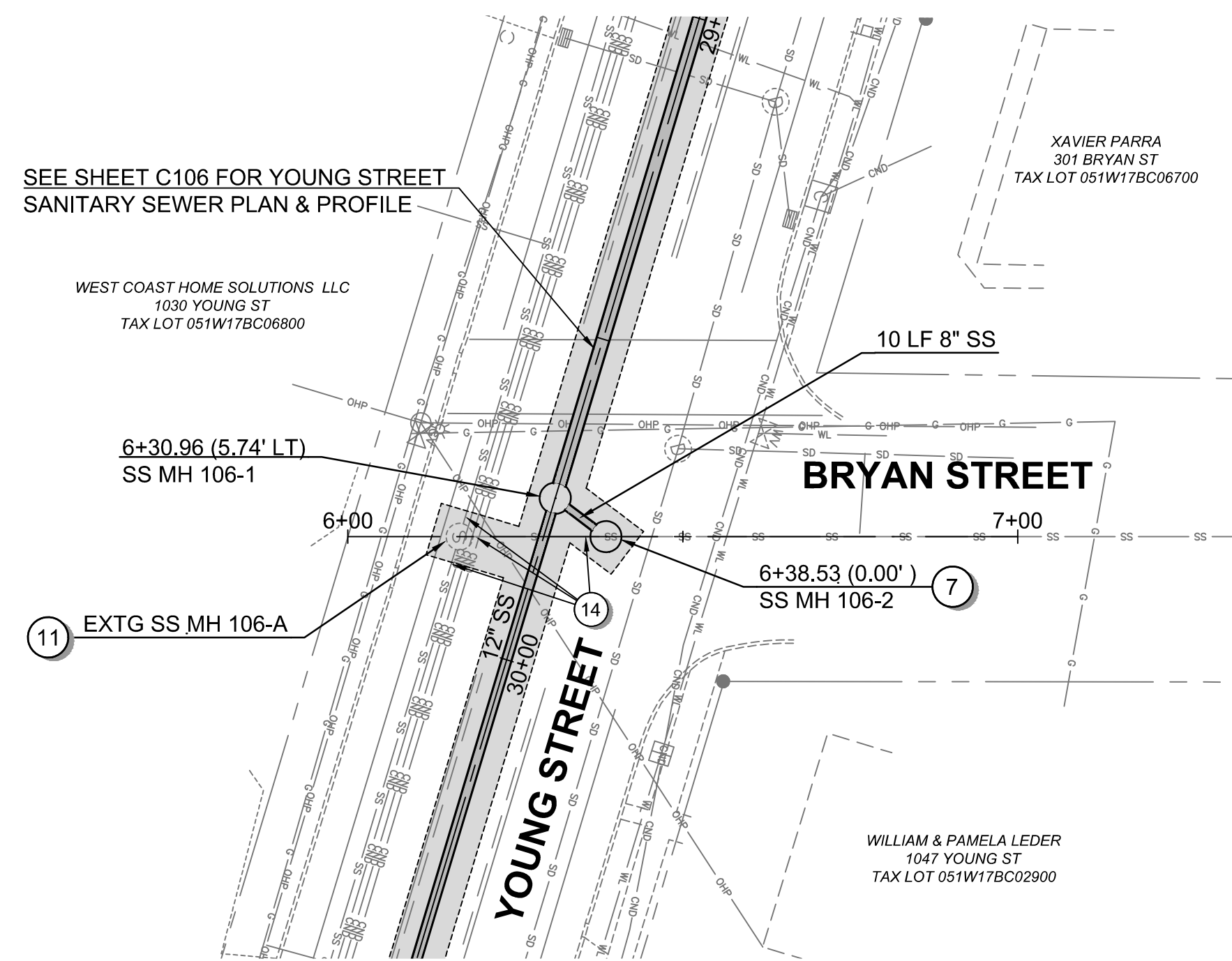
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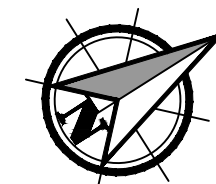
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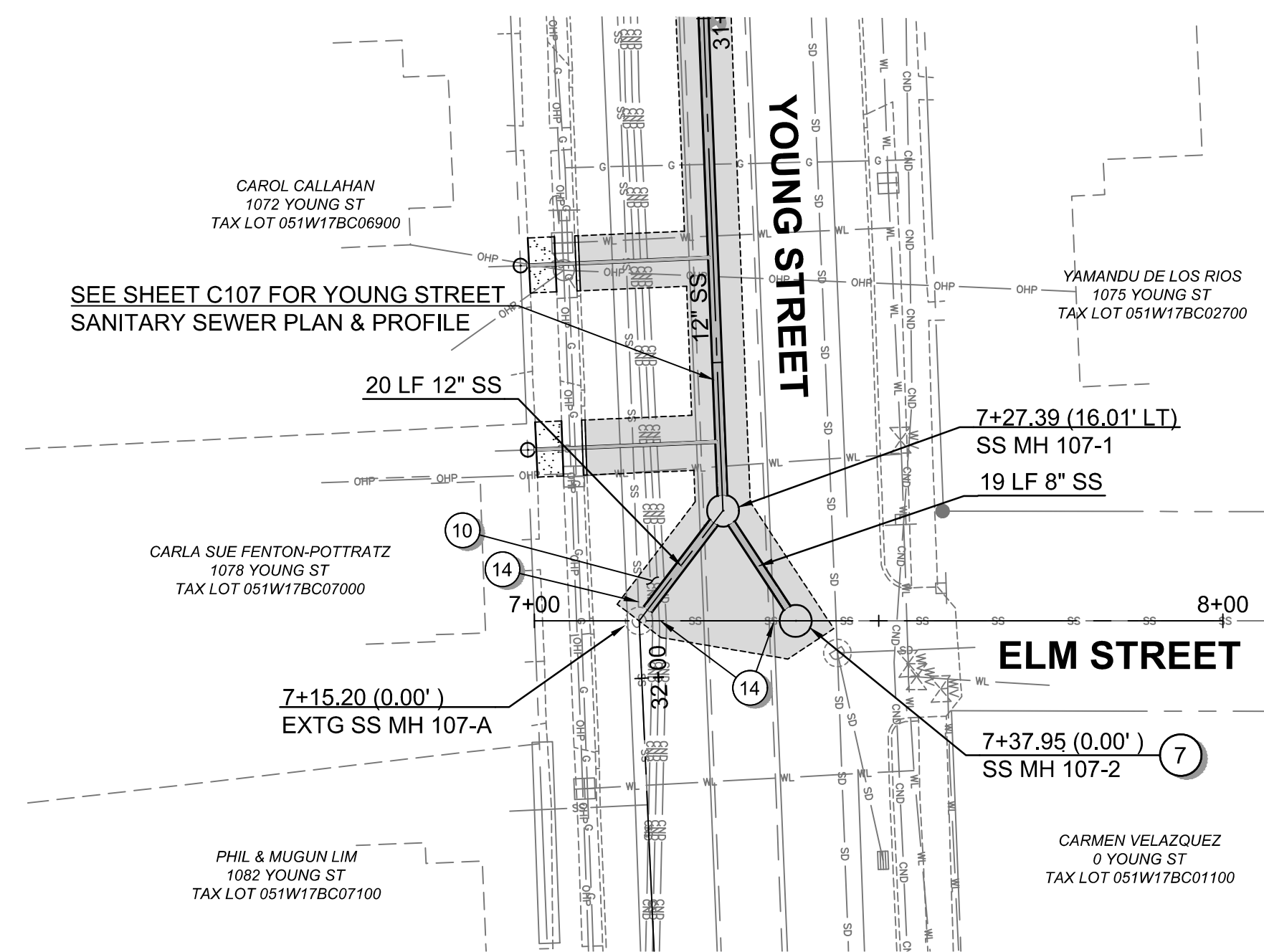
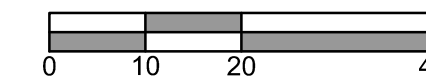
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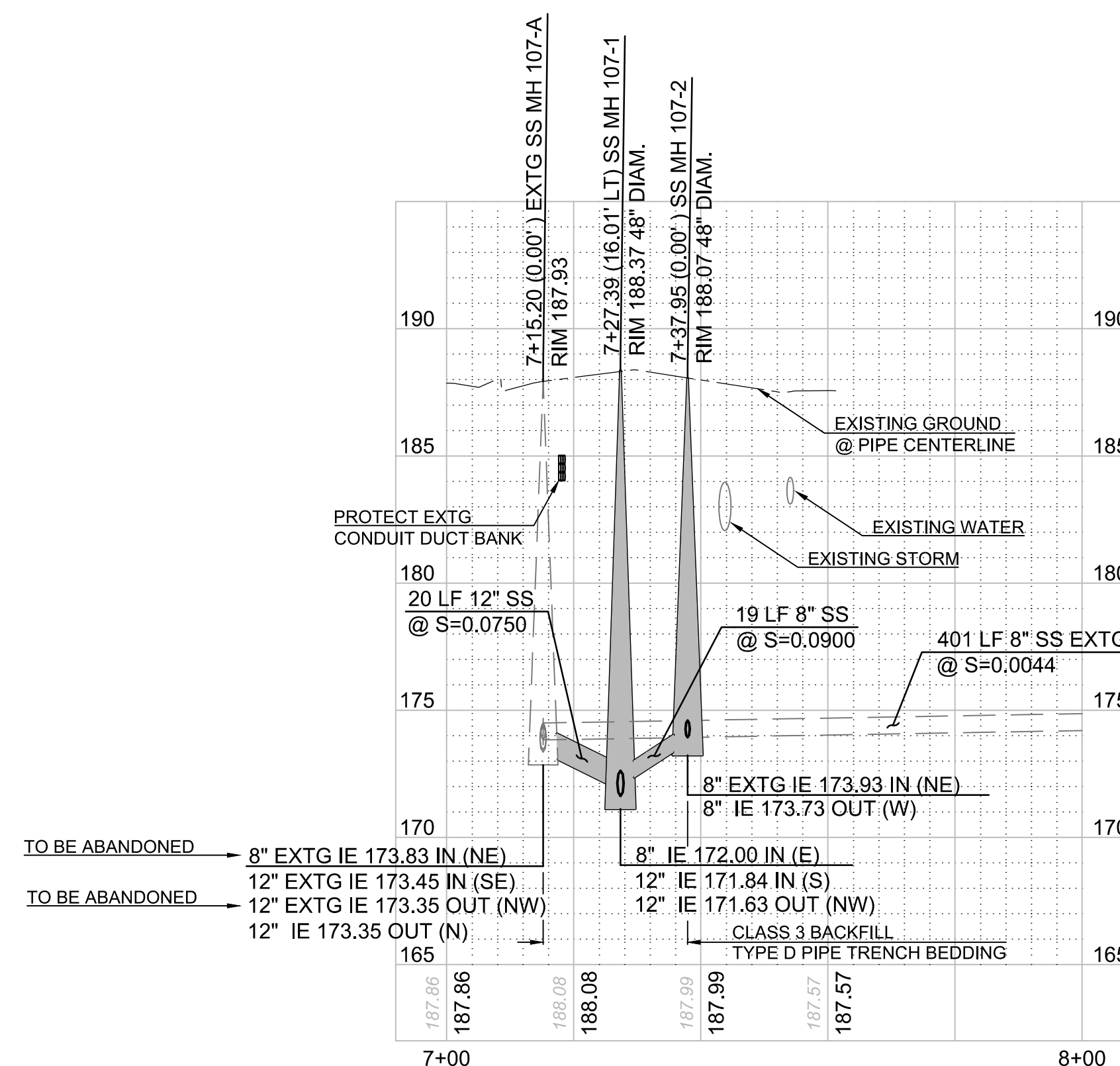
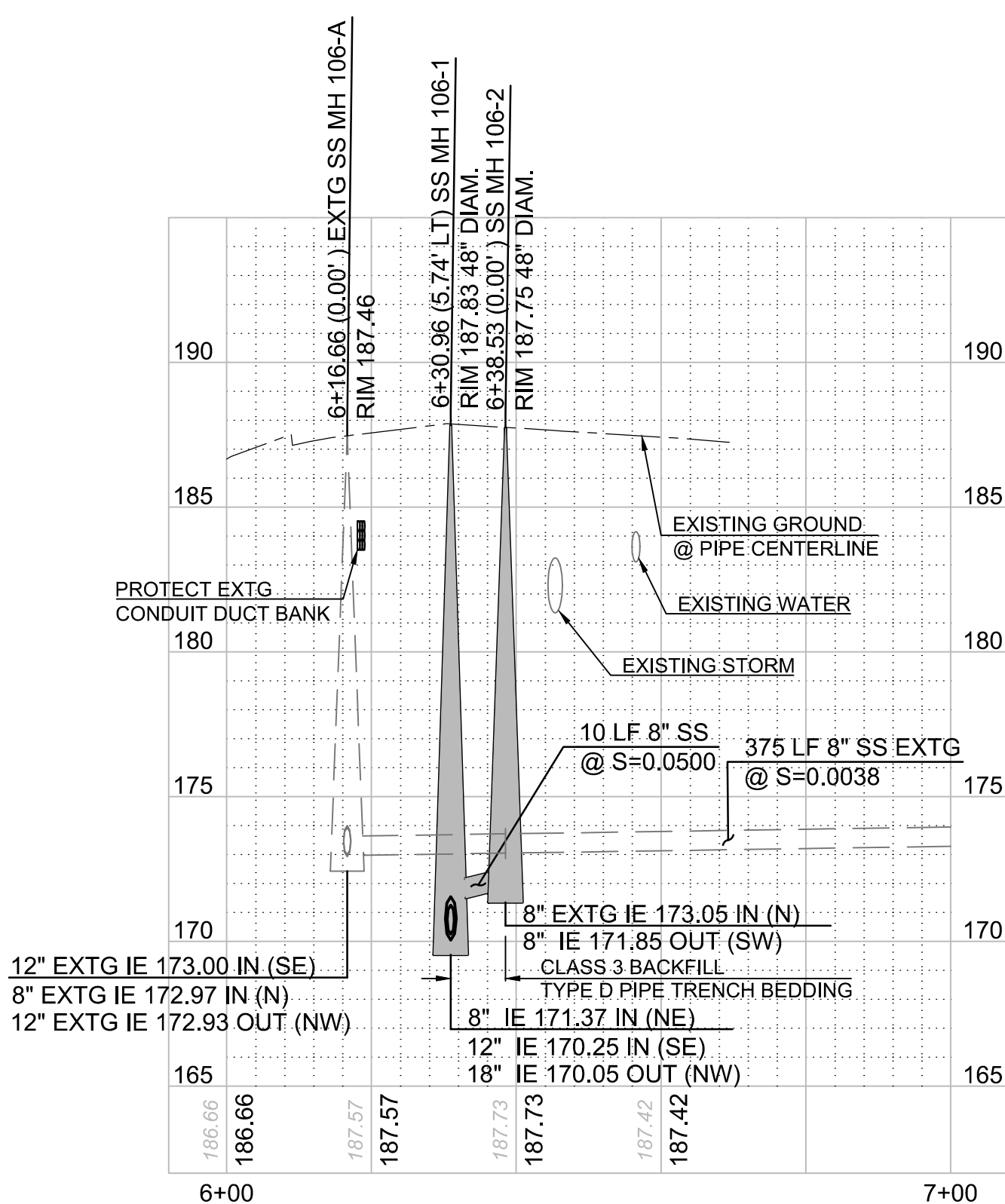
SANITARY SEWER LINE 6



Scale 1" = 20'



SANITARY SEWER LINE 7



SANITARY SEWER CONSTRUCTION NOTES

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SANITARY SEWER LINE 6 & 7 PLAN & PROFILE FOR:  
**YOUNG STREET SANITARY SEWER**  
A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



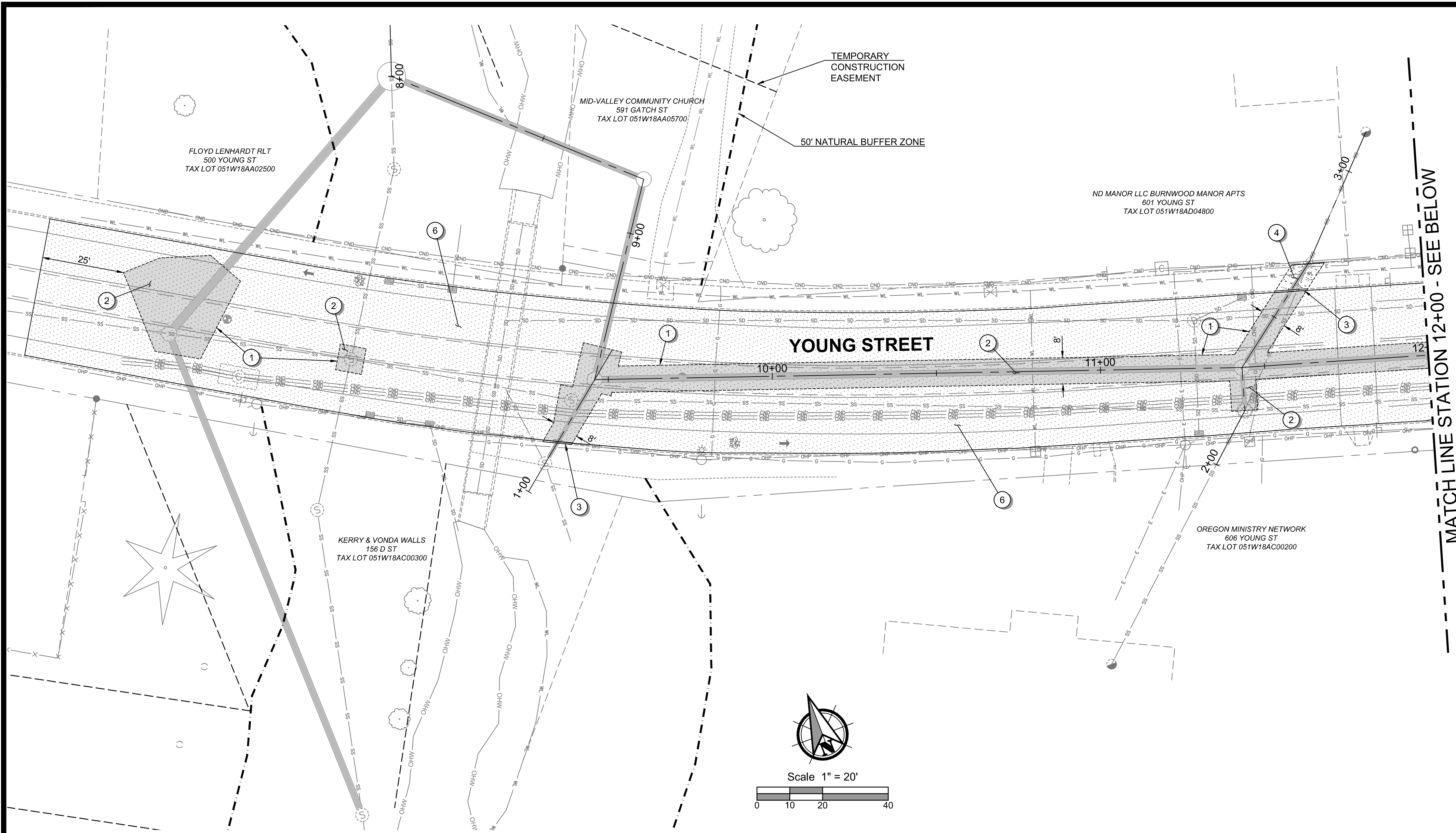
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MAY 20, 2022  
74203.000

SHEET ID  
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SHEET 15 OF 44

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- ① ASPHALT PAVEMENT SAWCUTTING AT ALL CONNECTIONS (INCLUDES CONCRETE). MATCH NEW SURFACING TO EXISTING SURFACING.
- ② CONSTRUCT ACP SECTION PER CITY OF WOODBURN TRENCH CAP DETAIL 3800-5 ON SHEET C505.
- ③ CONSTRUCT CONCRETE TYPE 'C' CURB, PER CITY OF WOODBURN DETAIL 4100-2 AND 4100-5 ON SHEET C506.
- ④ CONSTRUCT CONCRETE WALKS CITY OF WOODBURN DETAIL 4150-8 ON SHEET C506.
- ⑤ CONSTRUCT CONCRETE DRIVEWAY APPROACH CITY OF WOODBURN DETAIL 4150-1, 4150-3 AND 4150-4 ON SHEET C506.
- ⑥ INSTALL EMULSIFIED ASPHALT IN FOG COAT. EXISTING STRIPING, BARS AND LEGEND SYMBOLS SHALL BE REMOVED FROM EXISTING ASPHALT PRIOR TO FOG COAT INSTALLATION.

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**ROADWAY RESTORATION PLAN FOR:**  
**YOUNG STREET SANITARY SEWER**  
**A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON**



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RICHARD D. BOYLE

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SHEET ID

**C201**

SHEET **16** OF **44**

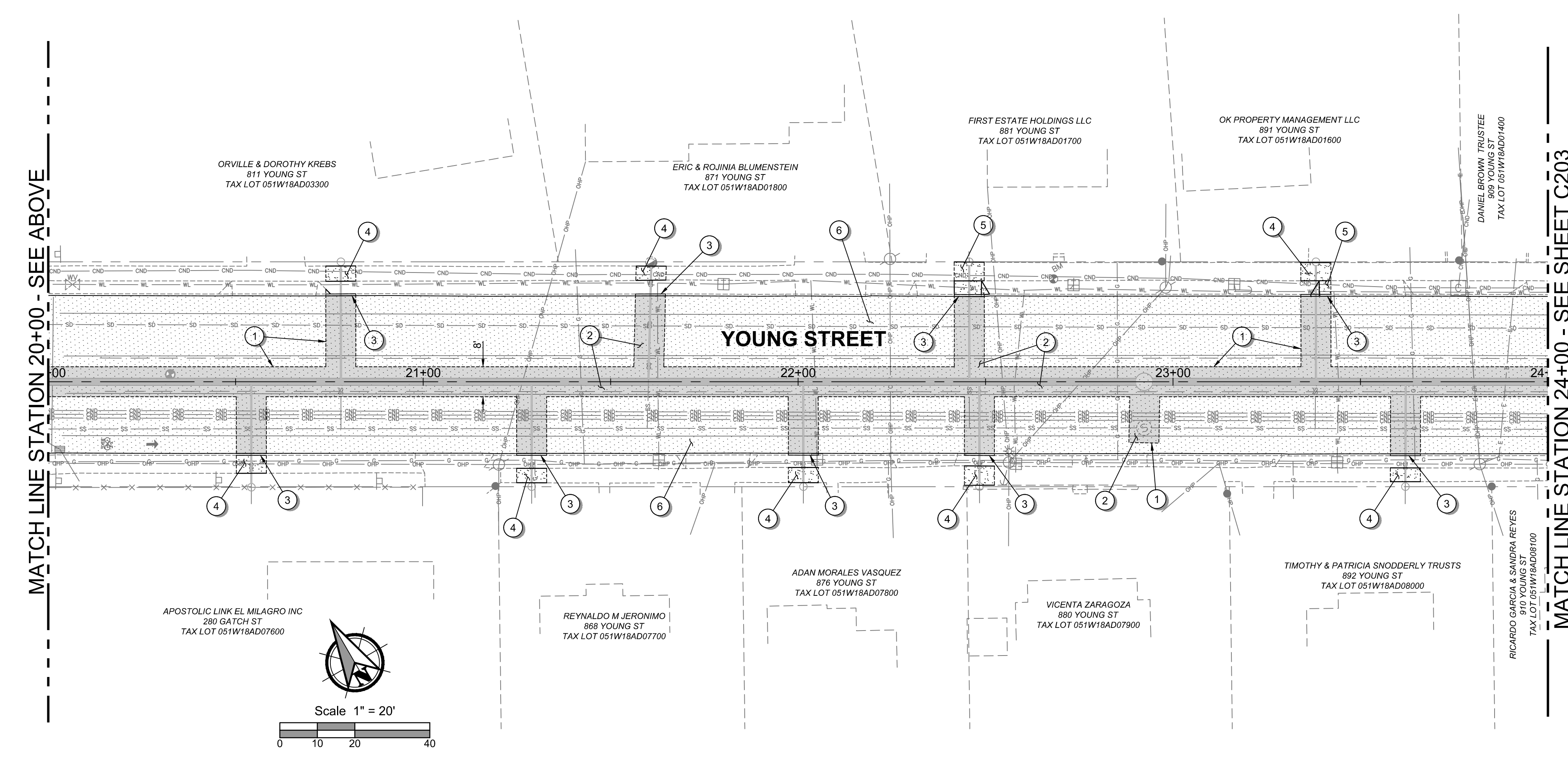
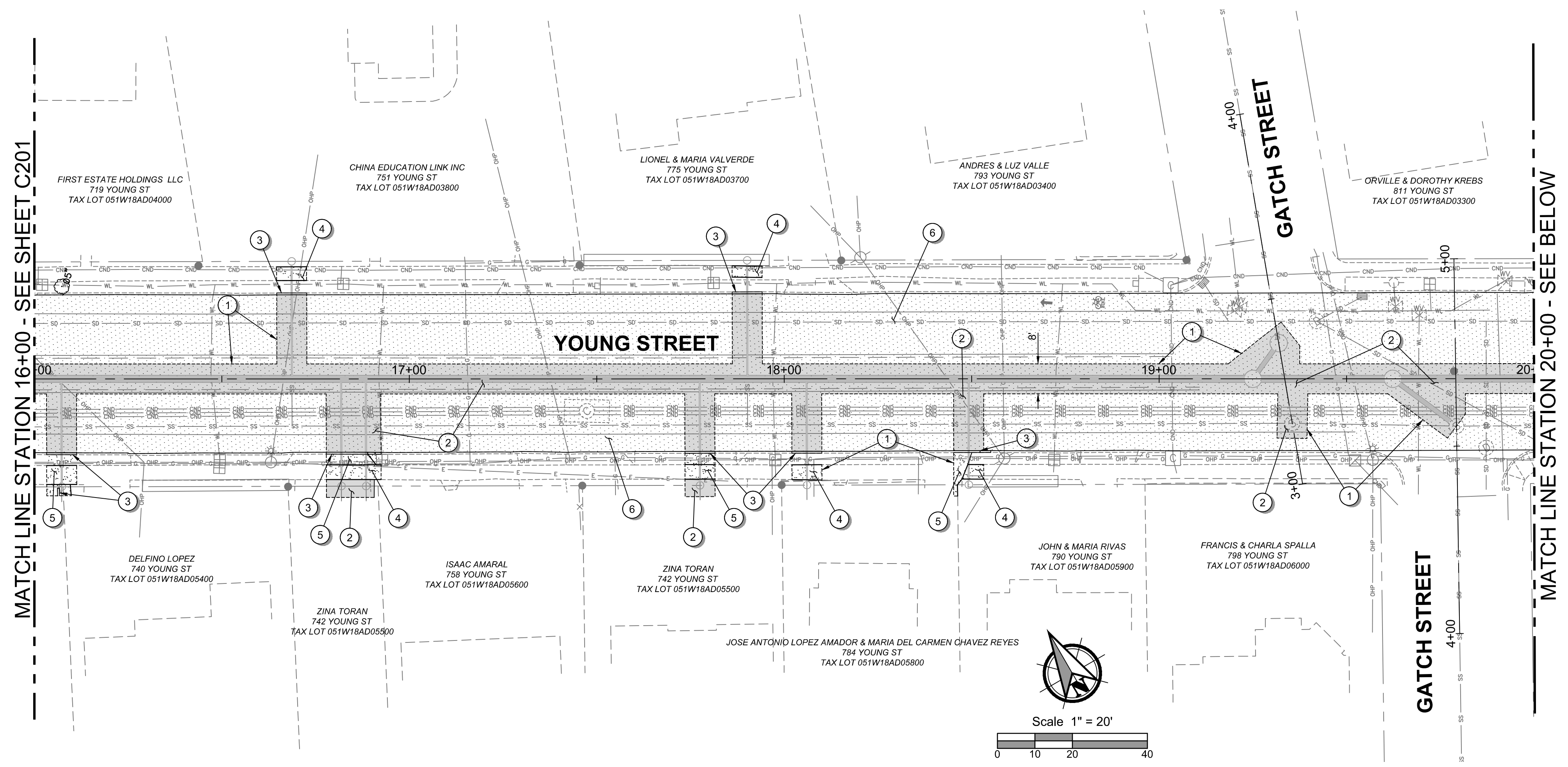


CITY OF WOODBURN PROJECT # 2021-006-28

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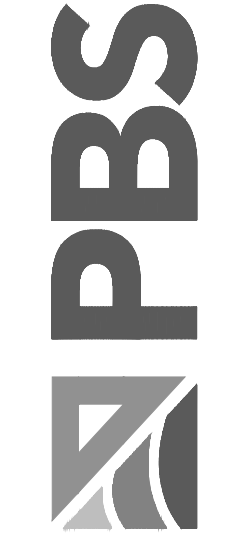


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- STREET CONSTRUCTION NOTES**
- ① ASPHALT PAVEMENT SAWCUTTING AT ALL CONNECTIONS (INCLUDES CONCRETE). MATCH NEW SURFACING TO EXISTING SURFACING.
  - ② CONSTRUCT ACP SECTION PER CITY OF WOODBURN TRENCH CAP DETAIL 3800-5 ON SHEET C505.
  - ③ CONSTRUCT CONCRETE TYPE 'C' CURB, PER CITY OF WOODBURN DETAIL 4100-2 AND 4100-5 ON SHEET C506.
  - ④ CONSTRUCT CONCRETE WALKS CITY OF WOODBURN DETAIL 4150-8 ON SHEET C506.
  - ⑤ CONSTRUCT CONCRETE DRIVEWAY APPROACH CITY OF WOODBURN DETAIL 4150-1, 4150-3 AND 4150-4 ON SHEET C506.
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**ROADWAY RESTORATION PLAN FOR:**  
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OREGON  
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 RICHARD D. BOYLE  
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SHEET ID  
**C202**

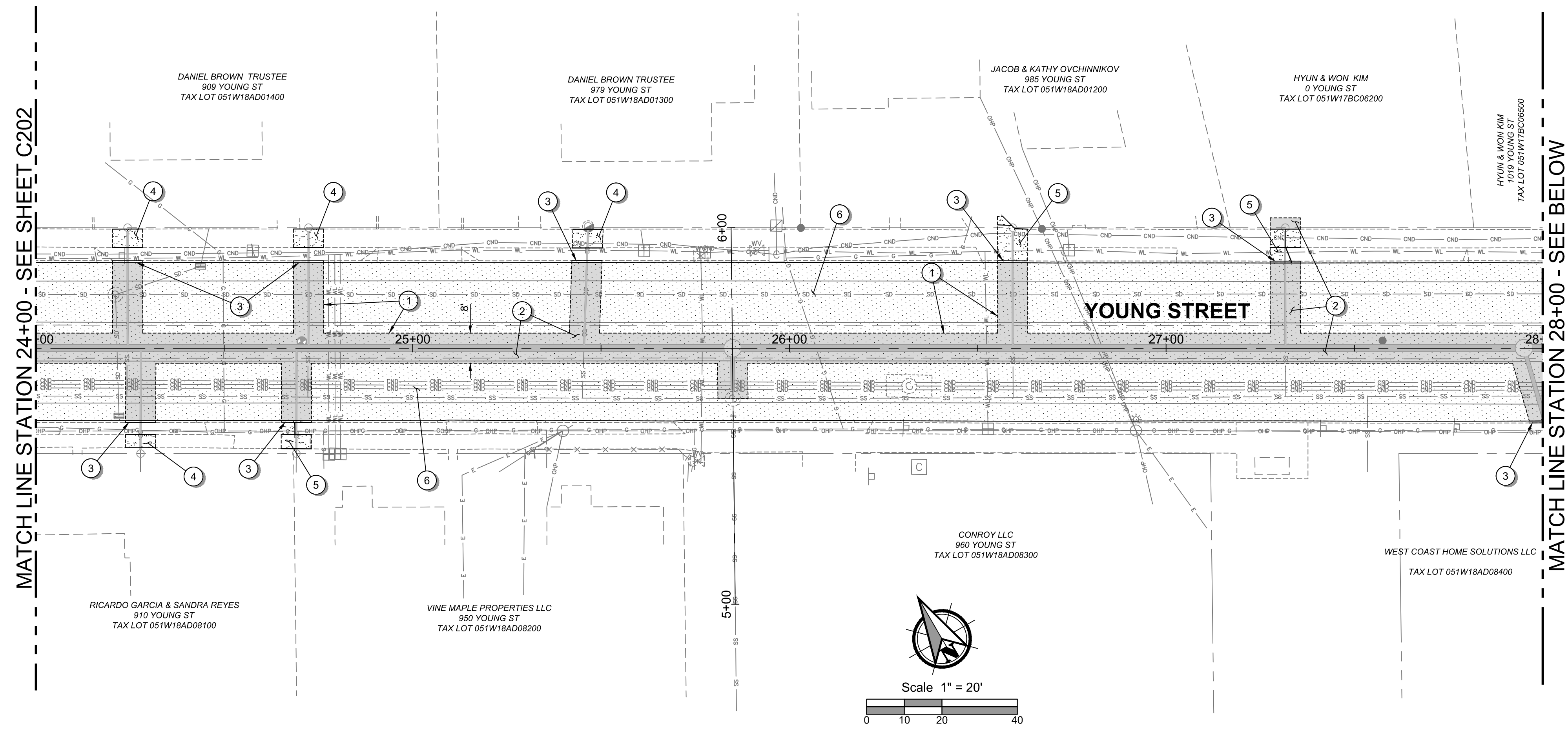


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SHEET 17 OF 44

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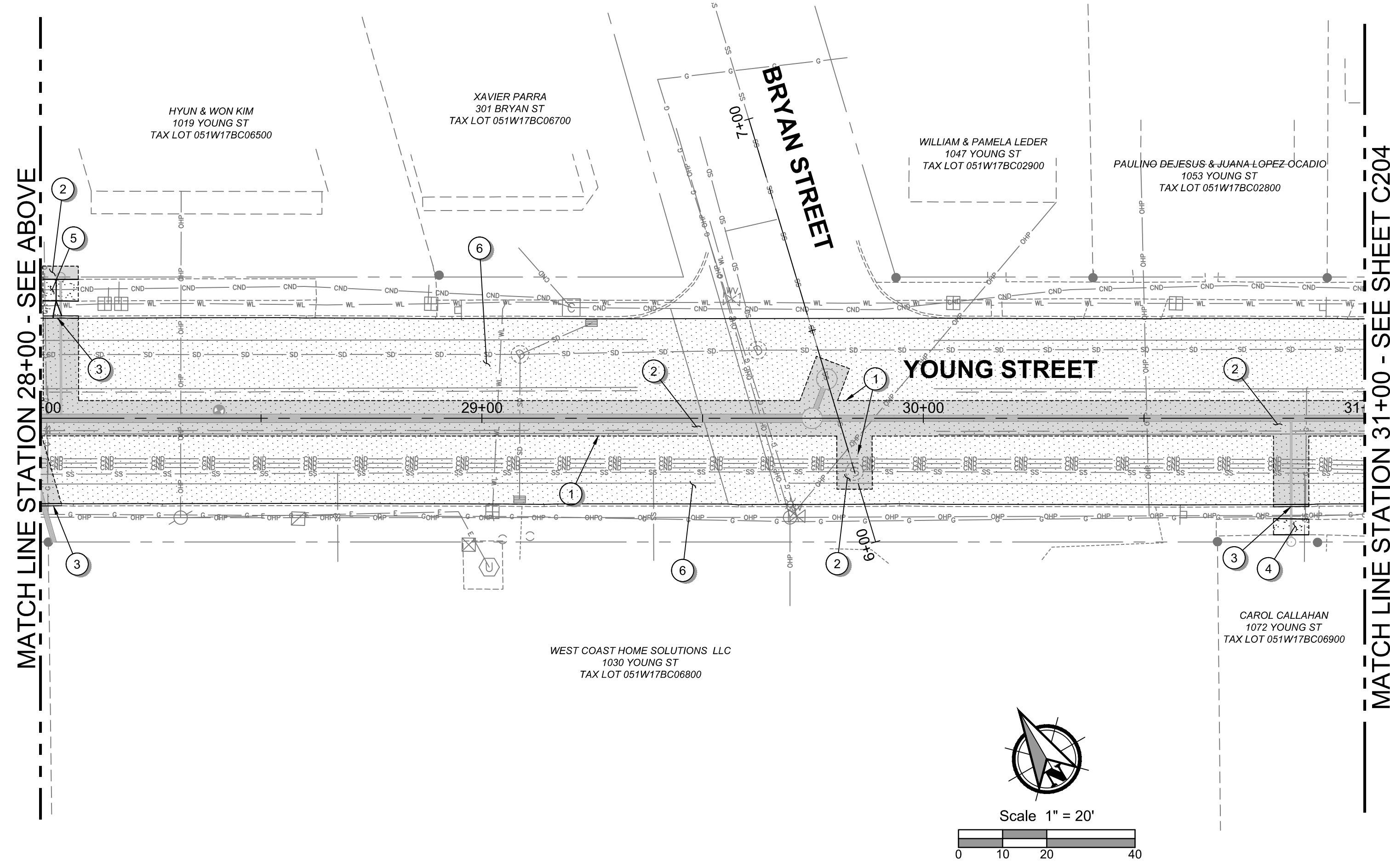


MATCH LINE STATION 24+00 - SEE SHEET C202

MATCH LINE STATION 28+00 - SEE BELOW

**STREET CONSTRUCTION NOTES**

- ① ASPHALT PAVEMENT SAWCUTTING AT ALL CONNECTIONS (INCLUDES CONCRETE). MATCH NEW SURFACING TO EXISTING SURFACING.
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- ⑥ INSTALL EMULSIFIED ASPHALT IN FOG COAT. EXISTING STRIPING, BARS AND LEGEND SYMBOLS SHALL BE REMOVED FROM EXISTING ASPHALT PRIOR TO FOG COAT INSTALLATION.



MATCH LINE STATION 28+00 - SEE ABOVE

MATCH LINE STATION 31+00 - SEE SHEET C204

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**C203**

SHEET **18** OF **44**



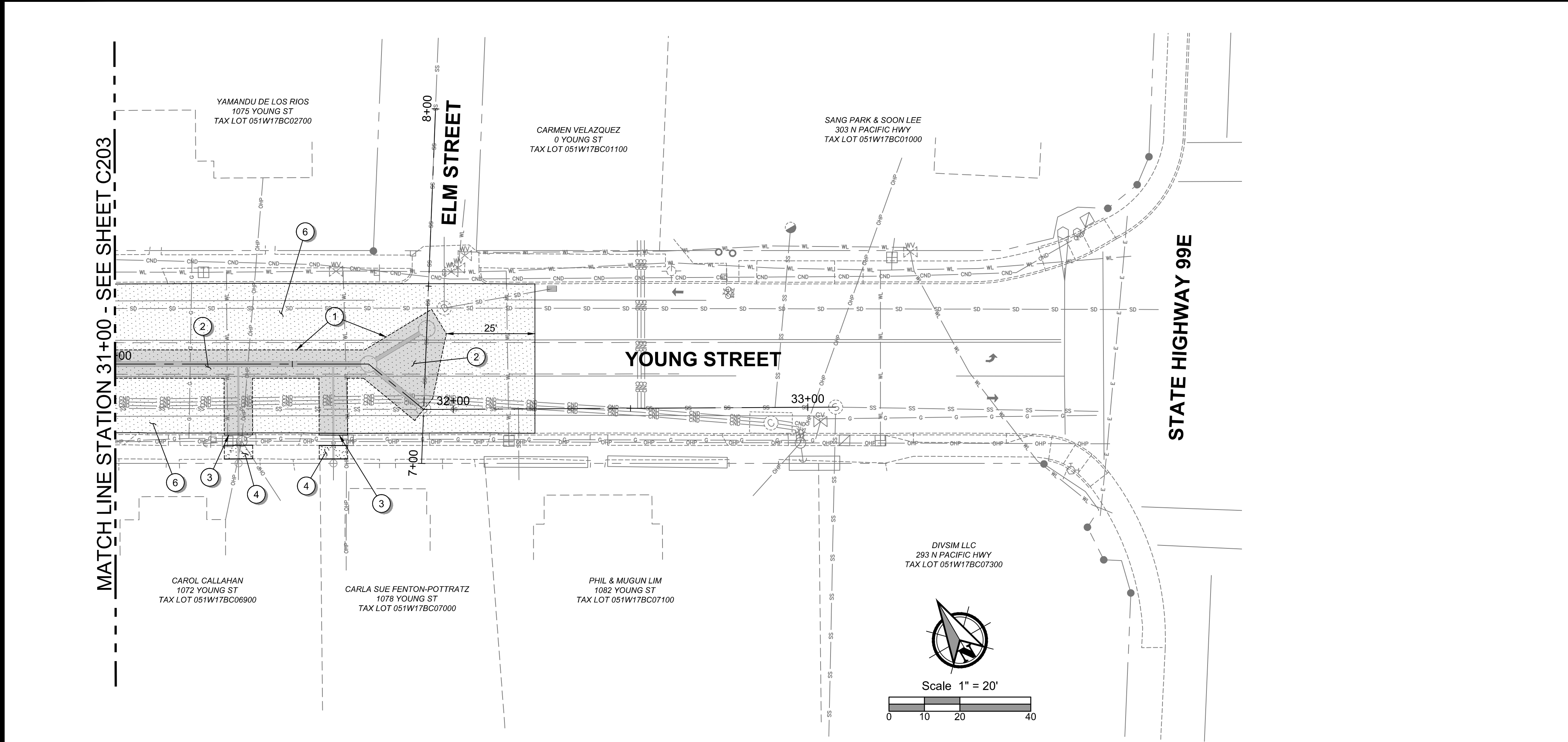
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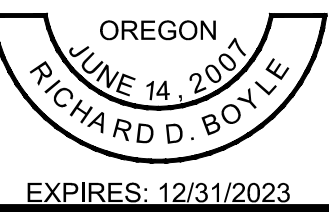
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**STREET CONSTRUCTION NOTES**

- ① ASPHALT PAVEMENT SAWCUTTING AT ALL CONNECTIONS (INCLUDES CONCRETE). MATCH NEW SURFACING TO EXISTING SURFACING.
- ② CONSTRUCT ACP SECTION PER CITY OF WOODBURN TRENCH CAP DETAIL 3800-5 ON SHEET C505.
- ③ CONSTRUCT CONCRETE TYPE 'C' CURB, PER CITY OF WOODBURN DETAIL 4100-2 AND 4100-5 ON SHEET C506.
- ④ CONSTRUCT CONCRETE WALKS CITY OF WOODBURN DETAIL 4150-8 ON SHEET C506.
- ⑤ CONSTRUCT CONCRETE DRIVEWAY APPROACH CITY OF WOODBURN DETAIL 4150-1, 4150-3 AND 4150-4 ON SHEET C506.
- ⑥ INSTALL EMULSIFIED ASPHALT IN FOG COAT. EXISTING STRIPING, BARS AND LEGEND SYMBOLS SHALL BE REMOVED FROM EXISTING ASPHALT PRIOR TO FOG COAT INSTALLATION.

ROADWAY RESTORATION PLAN FOR:  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



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SHEET 19 OF 44

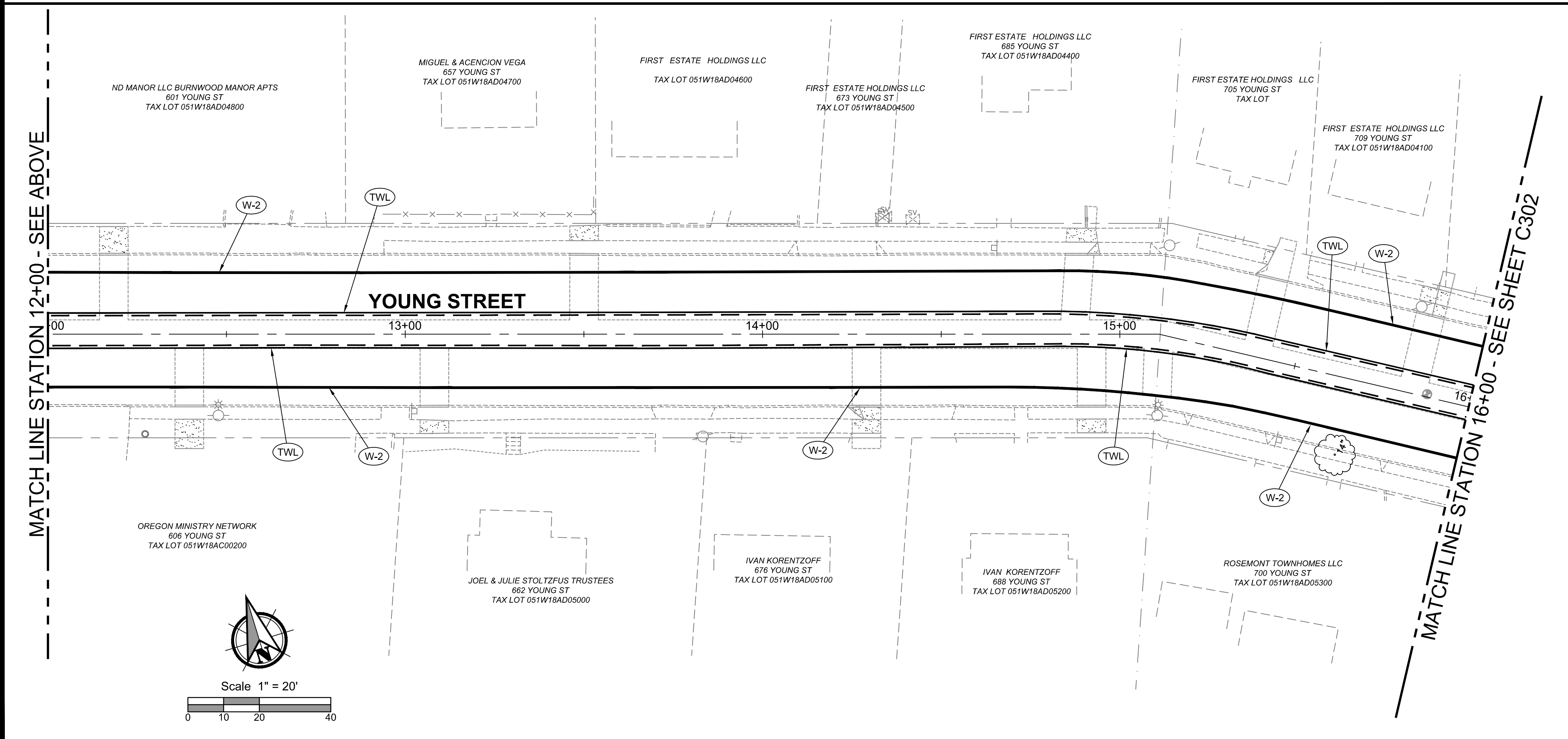
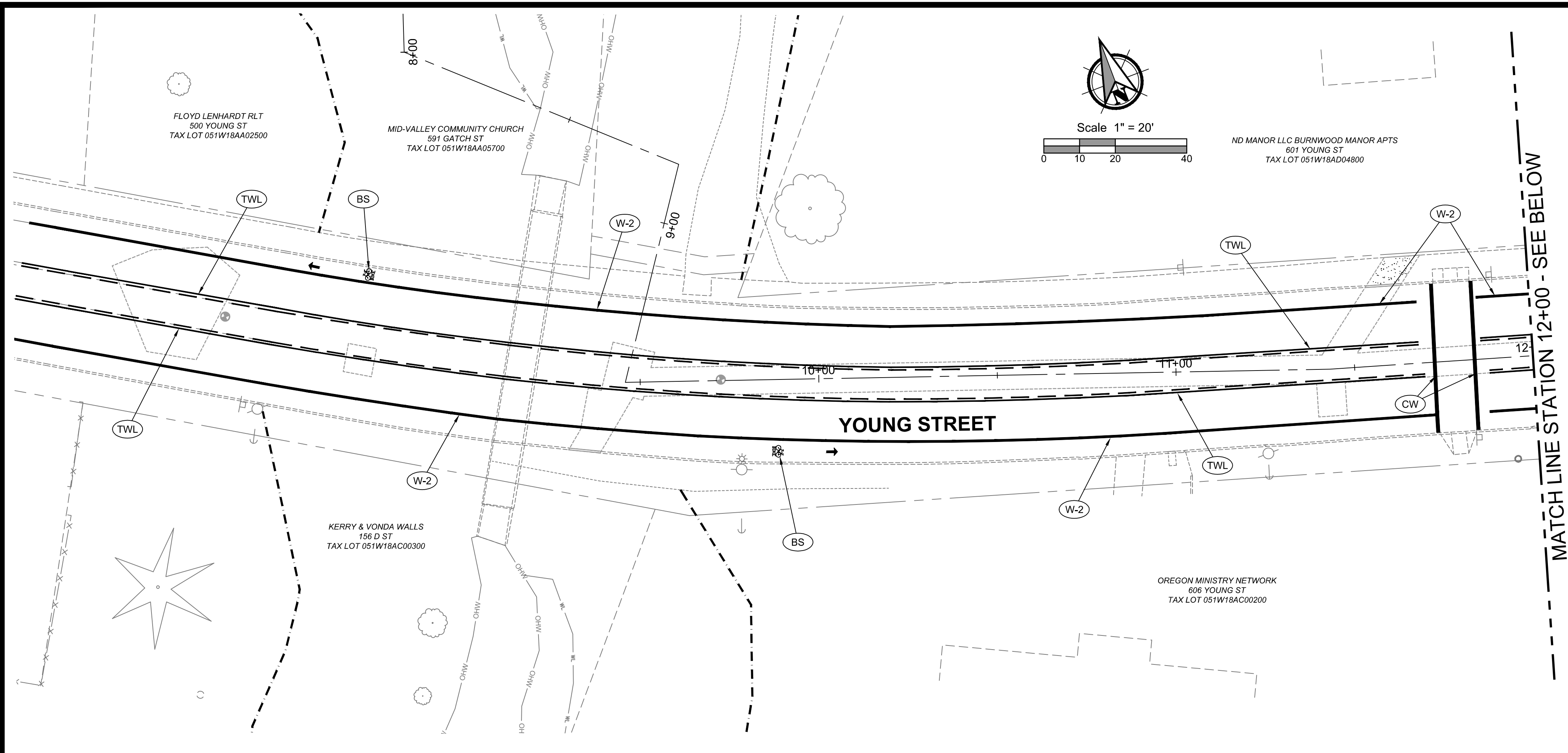


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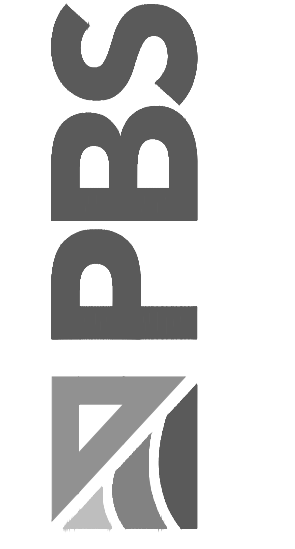
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**STRIPING NOTES**

- (W-2) INSTALL PAINTED 8" WHITE LINE PER ODOT STANDARD DRAWING TM500 ON SHEET C305.
- (TWL) INSTALL PAINTED TWO-WAY LEFT TURN 4" YELLOW LINES PER ODOT STANDARD DRAWING TM500 ON SHEET C305.
- (CW) INSTALL STANDARD PLASTIC CROSSWALK TWO 1' WHITE BARS PER ODOT STANDARD DRAWING TM503 ON SHEET C305. CROSSWALK SHALL BE INSTALLED PER ODOT STANDARD DRAWING TM530 ON SHEET C305.
- (BS) INSTALL PLASTIC BIKE LANE STANDARD SYMBOL PER ODOT STANDARD DRAWING TM503 ON SHEET C305.

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**STRIPING RESTORATION PLAN FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



OREGON  
 JUNE 14, 2007  
 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

DESIGNED:  
 DPS  
 CHECKED:  
 RDB  
 MAY 20, 2022  
 74203.000

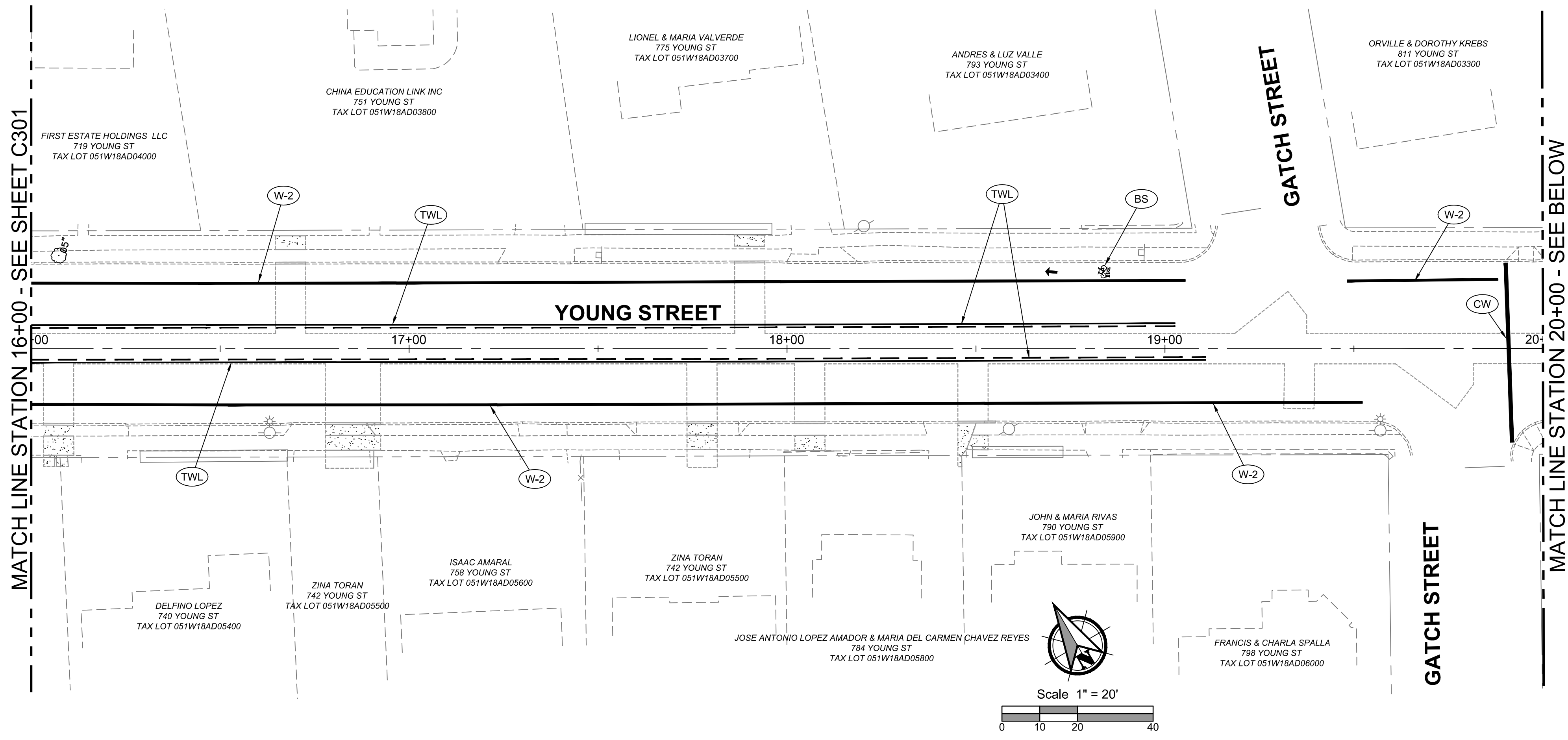


CITY OF WOODBURN PROJECT # 2021-006-28

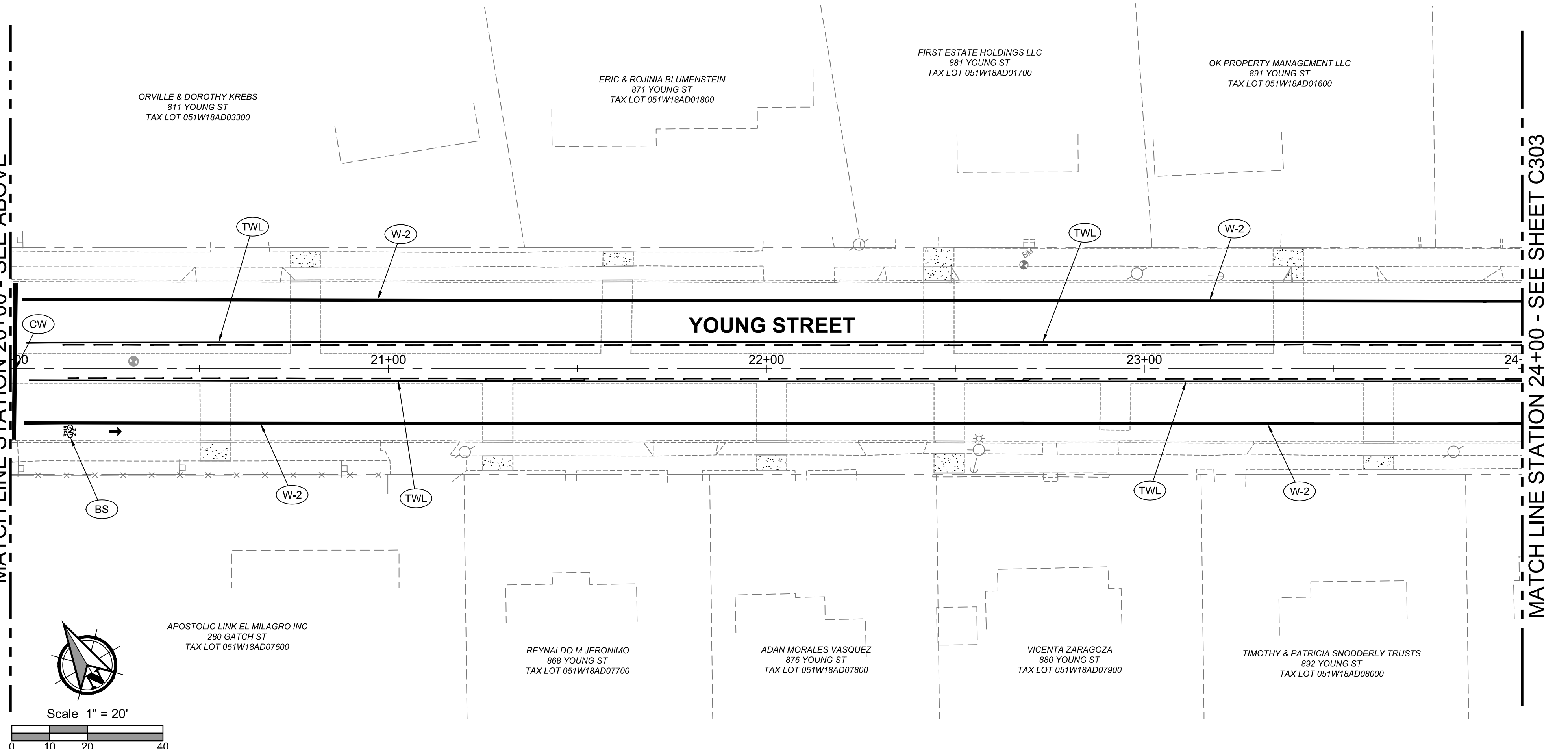
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 SHEET 20 OF 44

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- STRIPING NOTES**
- (W-2) INSTALL PAINTED 8" WHITE LINE PER ODOT STANDARD DRAWING TM500 ON SHEET C305.
  - (TWL) INSTALL PAINTED TWO-WAY LEFT TURN 4" YELLOW LINES PER ODOT STANDARD DRAWING TM500 ON SHEET C305.
  - (CW) INSTALL STANDARD PLASTIC CROSSWALK TWO 1' WHITE BARS PER ODOT STANDARD DRAWING TM503 ON SHEET C305. CROSSWALK SHALL BE INSTALLED PER ODOT STANDARD DRAWING TM530 ON SHEET C305.
  - (BS) INSTALL PLASTIC BIKE LANE STANDARD SYMBOL PER ODOT STANDARD DRAWING TM503 ON SHEET C305.



CITY OF WOODBURN PROJECT # 2021-006-28

**STRIPING RESTORATION PLAN FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



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 JUNE 14, 2007  
 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

DESIGNED:  
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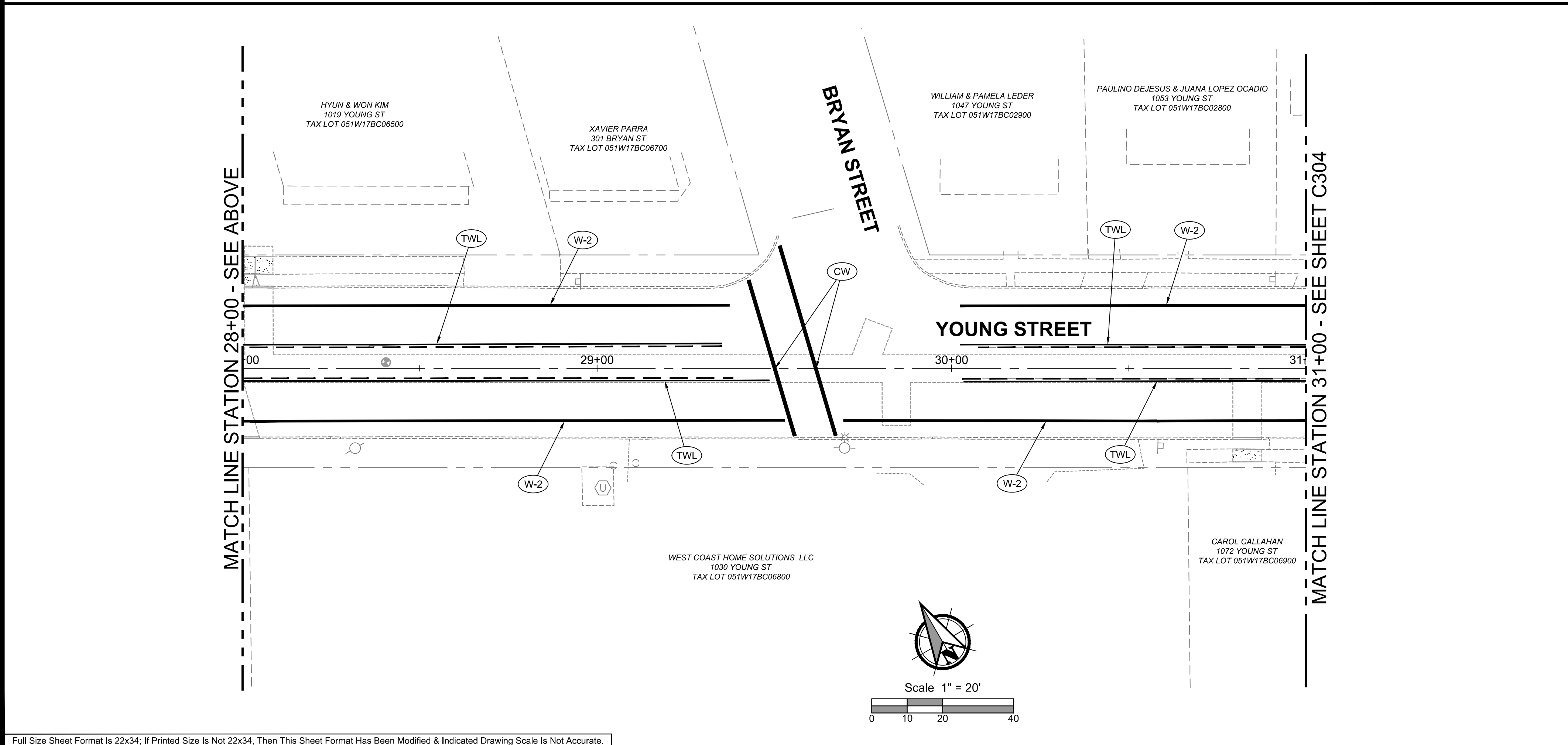
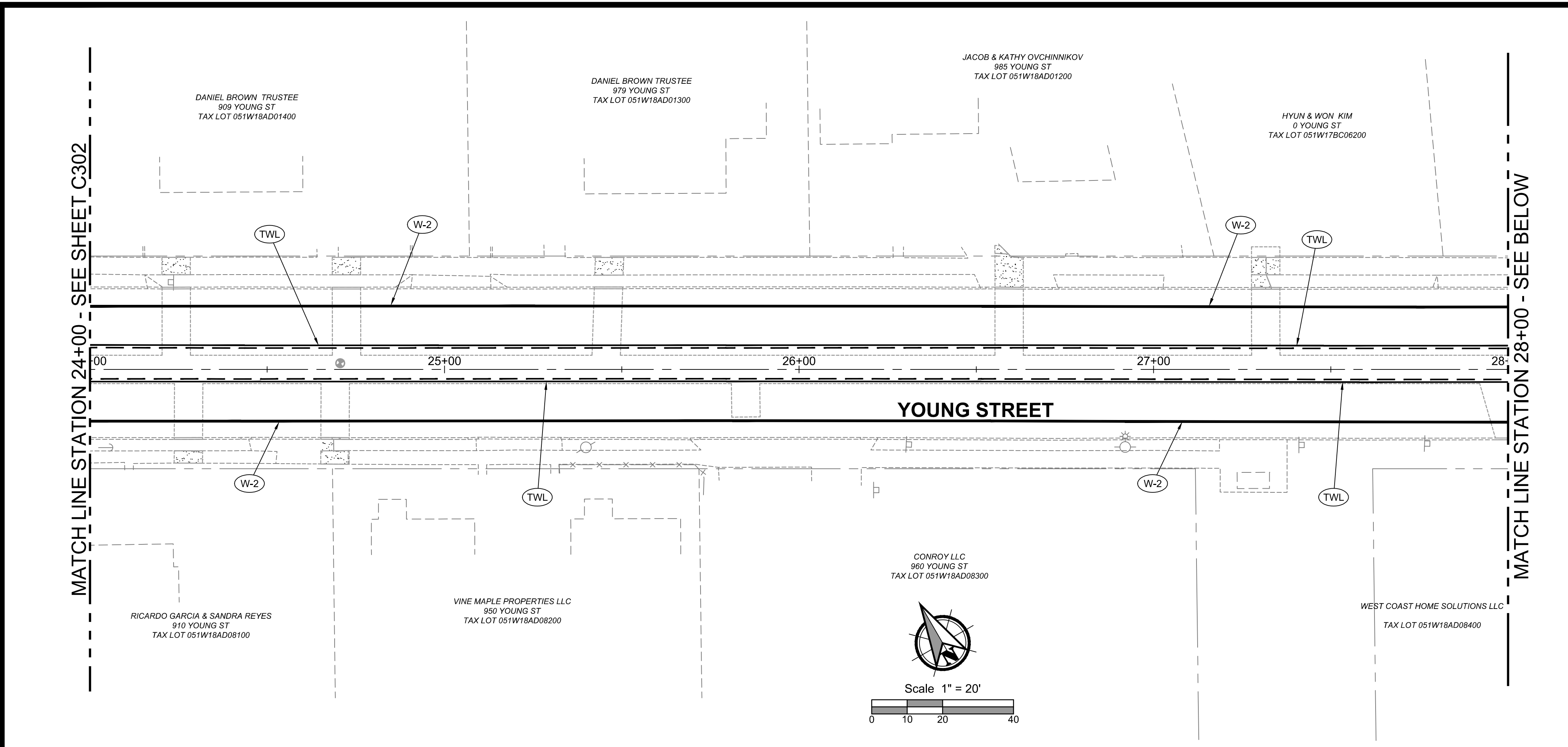
SHEET ID  
**C302**

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**STRIPING NOTES**

- (W-2) INSTALL PAINTED 8" WHITE LINE PER ODOT STANDARD DRAWING TM500 ON SHEET C305.
- (TWL) INSTALL PAINTED TWO-WAY LEFT TURN 4" YELLOW LINES PER ODOT STANDARD DRAWING TM500 ON SHEET C305.
- (CW) INSTALL STANDARD PLASTIC CROSSWALK TWO 1' WHITE BARS PER ODOT STANDARD DRAWING TM503 ON SHEET C305. CROSSWALK SHALL BE INSTALLED PER ODOT STANDARD DRAWING TM530 ON SHEET C305.
- (BS) INSTALL PLASTIC BIKE LANE STANDARD SYMBOL PER ODOT STANDARD DRAWING TM503 ON SHEET C305.

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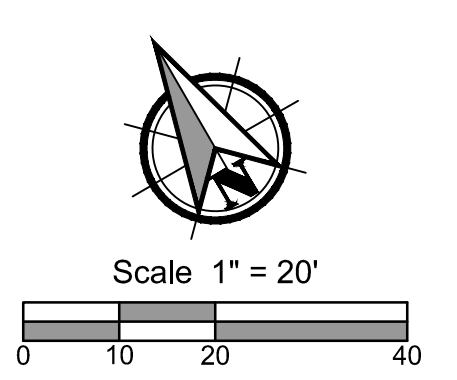
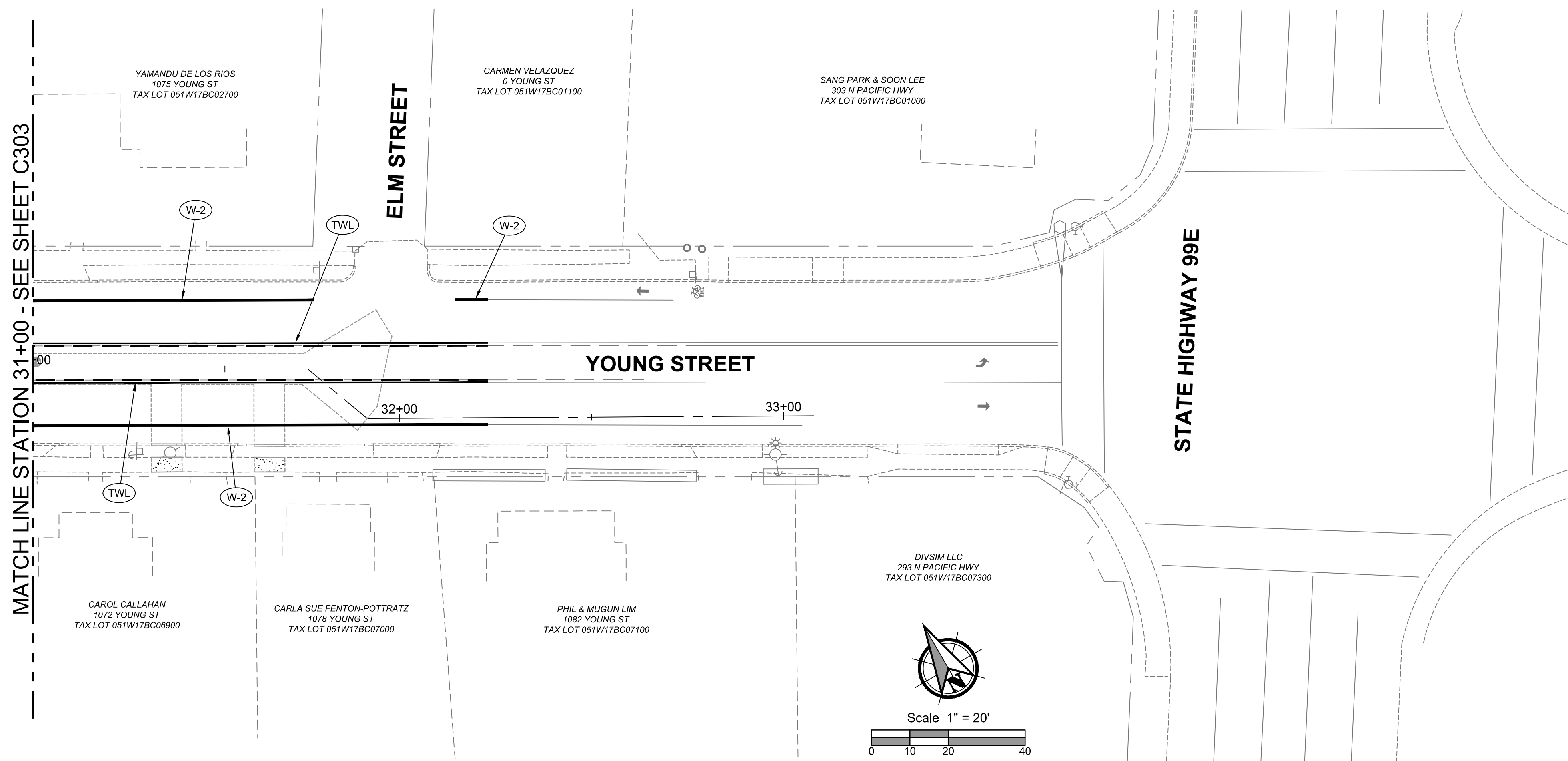


CITY OF WOODBURN PROJECT # 2021-006-28

SHEET ID  
**C303**  
 SHEET 22 OF 44

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**STRIPING NOTES**

- (W-2) INSTALL PAINTED 8" WHITE LINE PER ODOT STANDARD DRAWING TM500 ON SHEET C305.
- (TWL) INSTALL PAINTED TWO-WAY LEFT TURN 4" YELLOW LINES PER ODOT STANDARD DRAWING TM500 ON SHEET C305.
- (CW) INSTALL STANDARD PLASTIC CROSSWALK TWO 1' WHITE BARS PER ODOT STANDARD DRAWING TM503 ON SHEET C305. CROSSWALK SHALL BE INSTALLED PER ODOT STANDARD DRAWING TM530 ON SHEET C305.
- (BS) INSTALL PLASTIC BIKE LANE STANDARD SYMBOL PER ODOT STANDARD DRAWING TM503 ON SHEET C305.

STRIPING RESTORATION PLAN FOR:  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



OREGON  
 JUNE 14, 2007  
 RICHARD D. BOYLE  
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**C304**

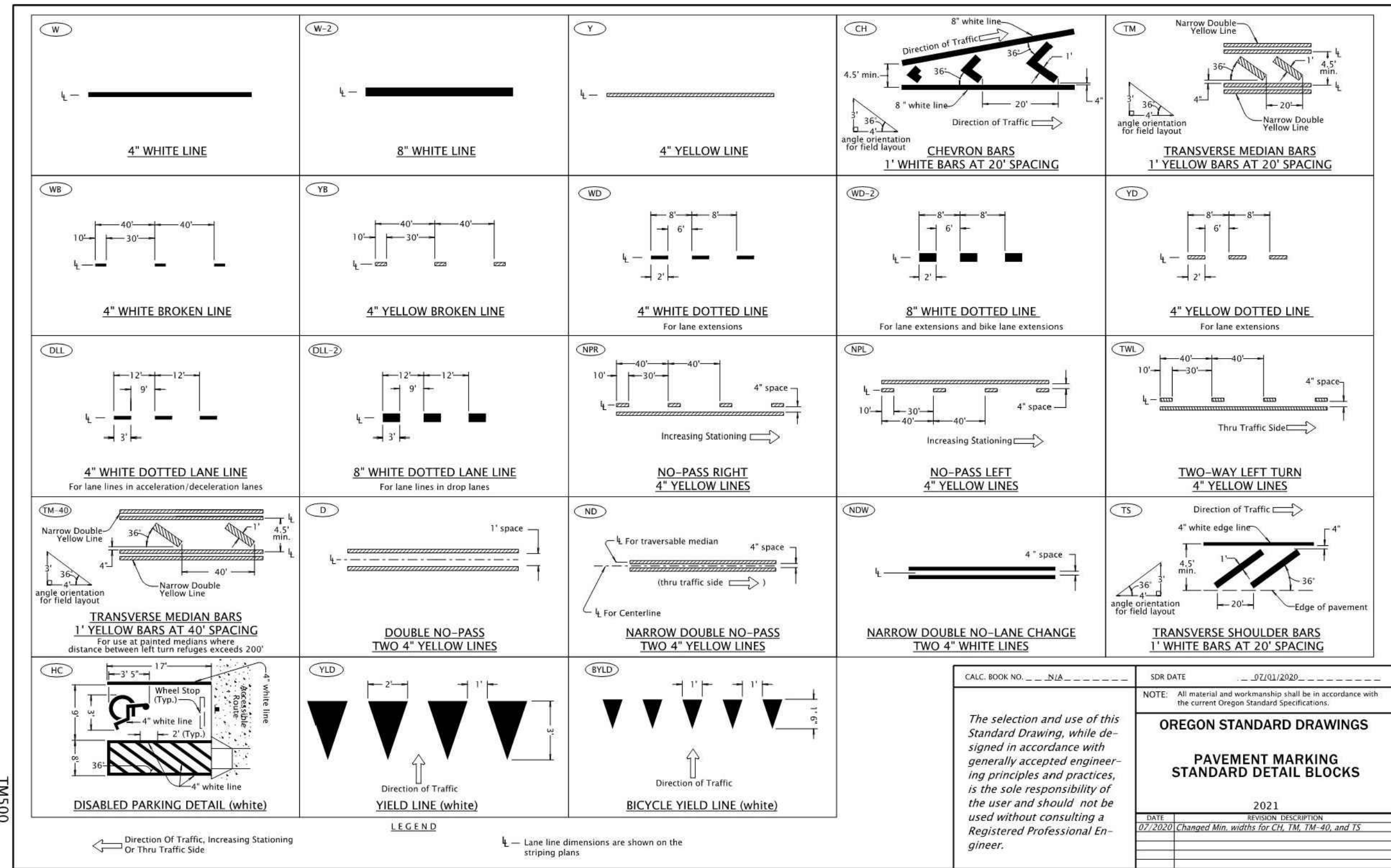
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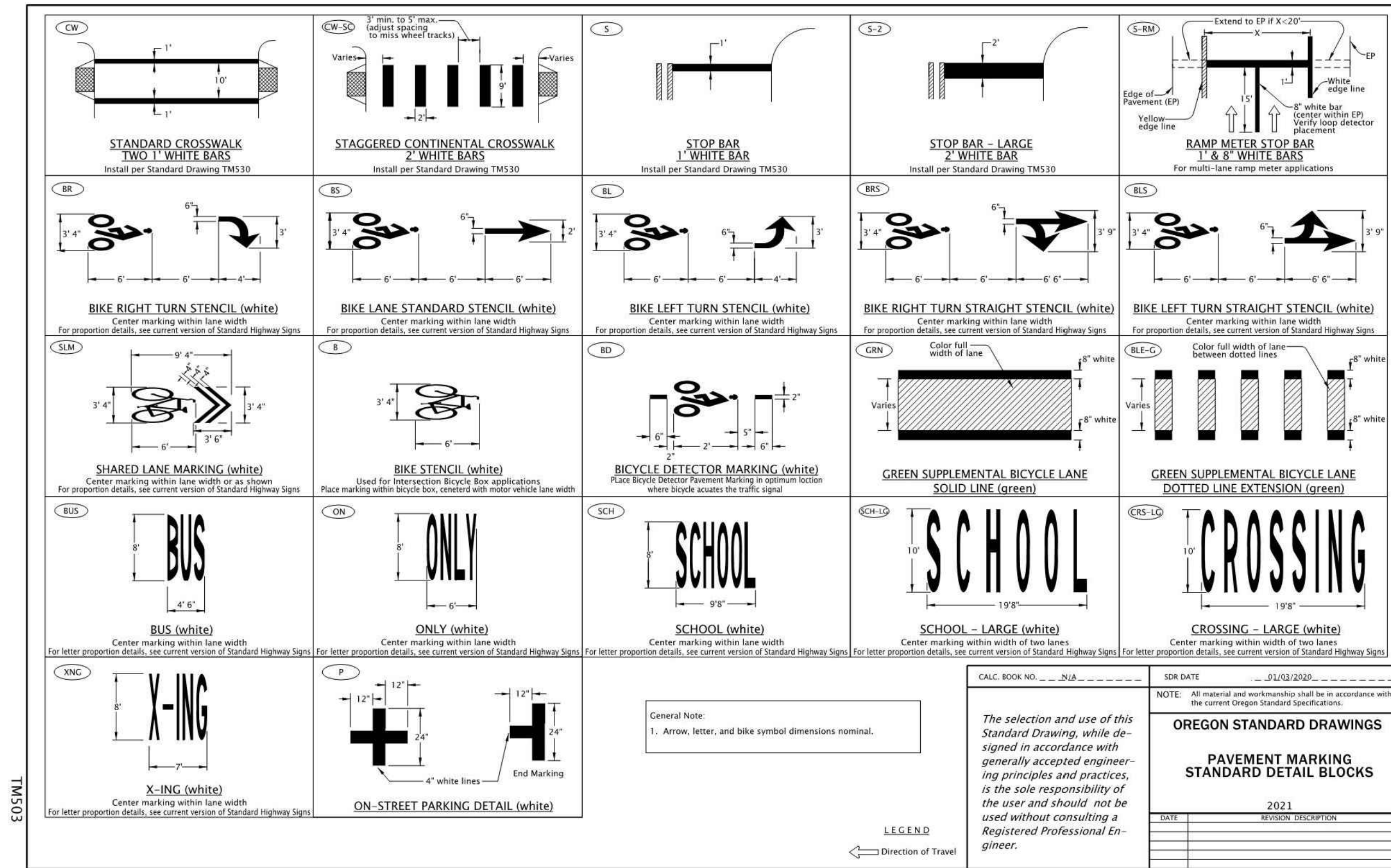
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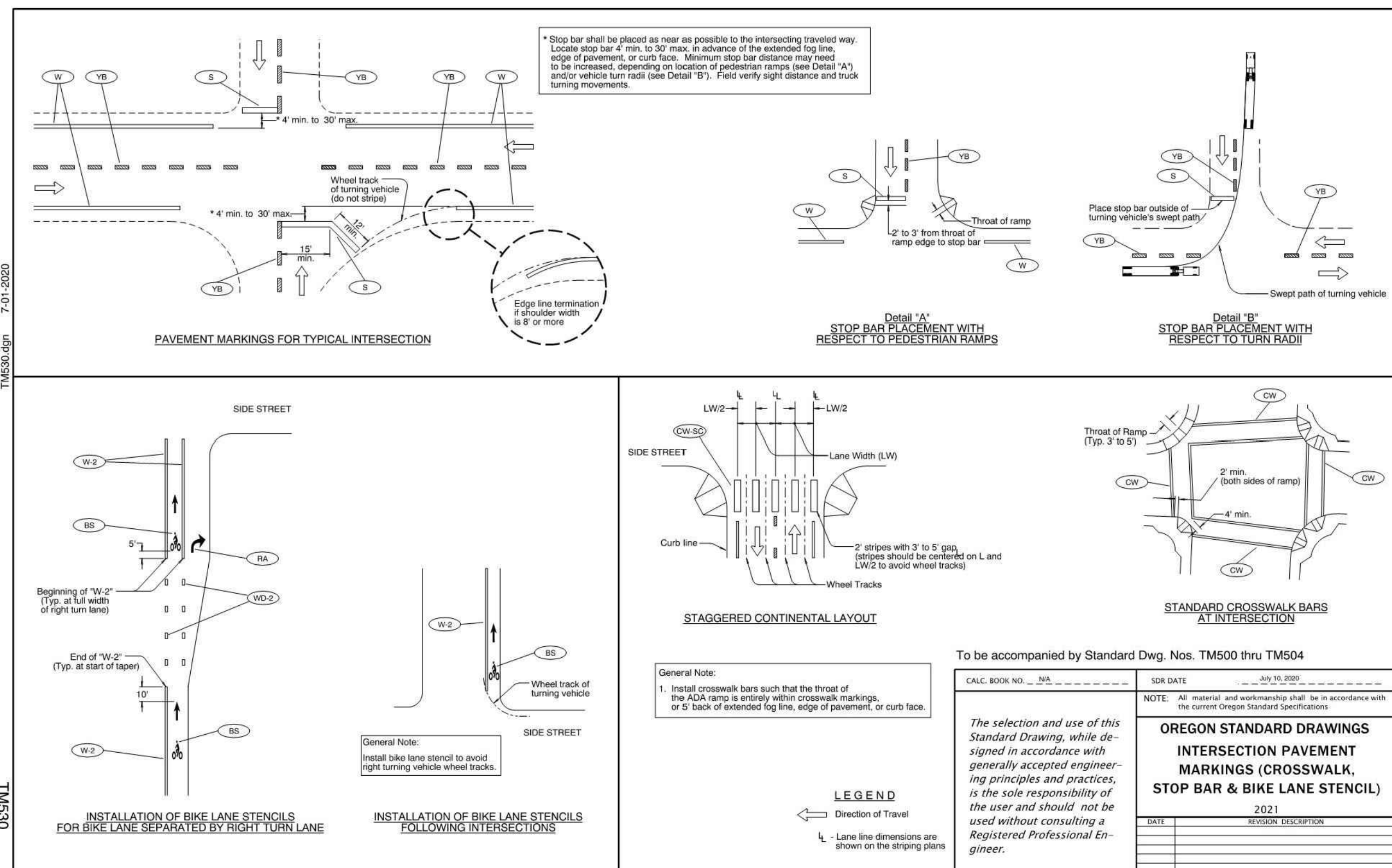




Effective Date: December 01, 2021 - May 31, 2022 TM500



Effective Date: December 01, 2021 - May 31, 2022 TM503



Effective Date: December 1, 2021 - May 31, 2022 TM504

STRIPING RESTORATION DETAILS FOR:  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON

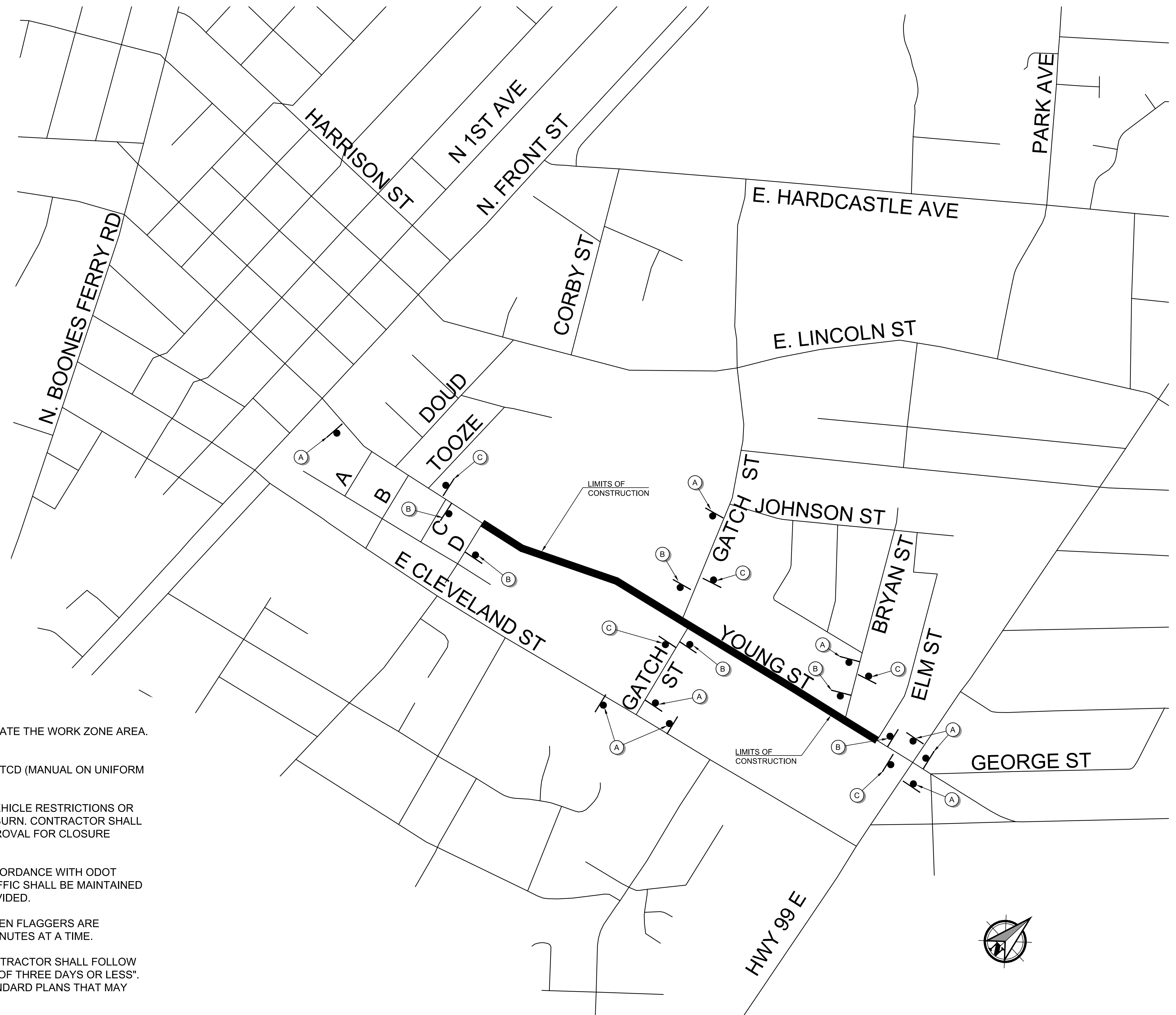
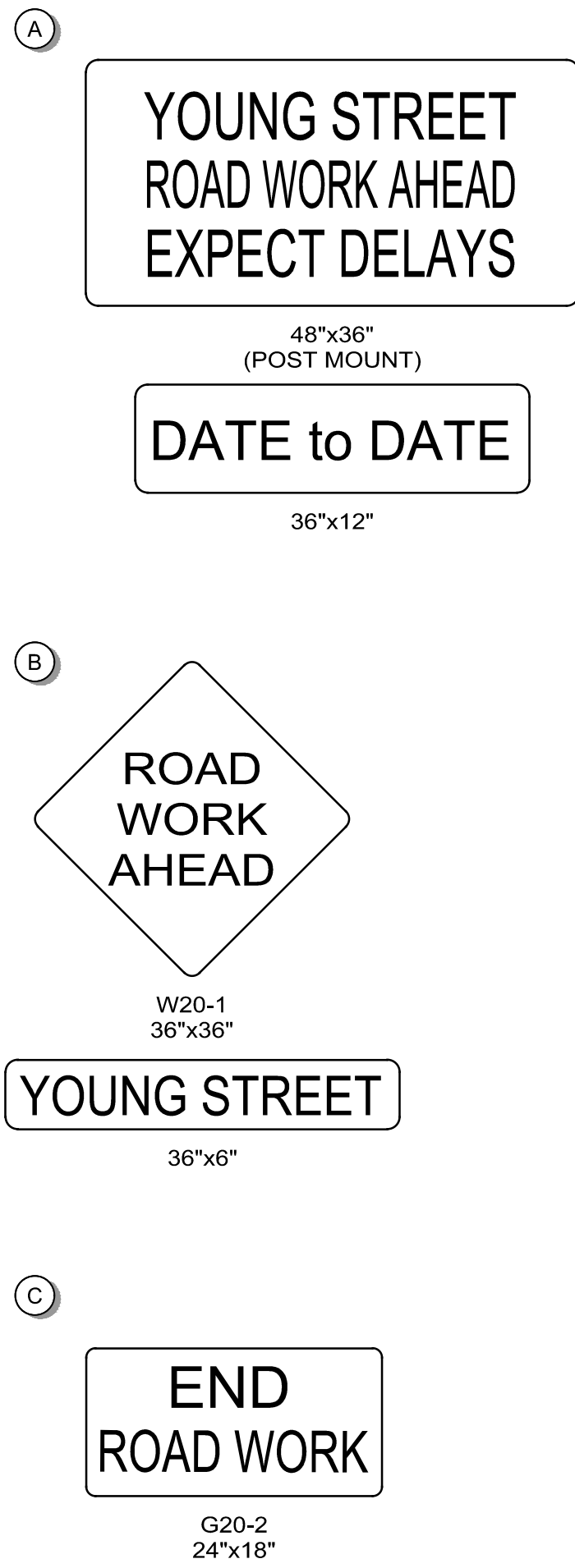


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SHEET ID <b>C305</b>
SHEET <b>24</b> OF <b>44</b>

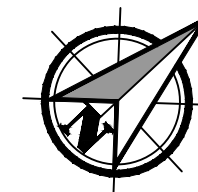




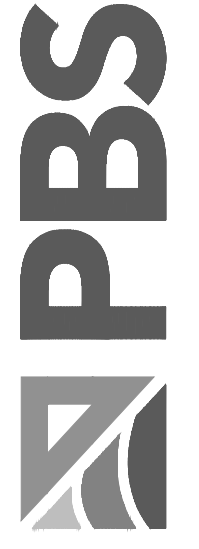
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- GENERAL NOTES:
1. ALL SIGN DIMENSIONS LISTED IN INCHES UNLESS OTHERWISE NOTED.
  2. ALL SIGNS TO BE TYPE "04" UNLESS OTHERWISE NOTED ON PLANS.
  3. TRAFFIC CONTROL SHALL BE MODIFIED ON A DAILY BASIS TO ACCOMMODATE THE WORK ZONE AREA. TRAFFIC CONTROL WORK ZONE SHALL BE LIMITED TO TRENCHED AREAS.
  4. ALL TRAFFIC CONTROL IS TO BE IN ACCORDANCE WITH THE CURRENT MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES).
  5. ACCESS SHALL BE MAINTAINED AT ALL TIMES TO YOUNG STREET WITH VEHICLE RESTRICTIONS OR SHORT TERM CLOSURES FOR PAVING FOR APPROVAL BY CITY OF WOODBURN. CONTRACTOR SHALL MINIMIZE CLOSURES AT PUBLIC STREET CONNECTIONS AND OBTAIN APPROVAL FOR CLOSURE DURATIONS BY CITY OF WOODBURN.
  6. SINGLE LANE TWO-WAY TRAFFIC WITH FLAGGERS SHALL BE DONE IN ACCORDANCE WITH ODOT STANDARD DRAWING TM850. UNOBSTRUCTED TWO LANE, TWO-WAY TRAFFIC SHALL BE MAINTAINED OUTSIDE OF CONSTRUCTION HOURS UNLESS 24 HOUR FLAGGING IS PROVIDED.
  7. SINGLE LANE TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES WHEN FLAGGERS ARE PRESENT. FLAGGERS SHALL NOT DETAIN TRAFFIC FOR MORE THAN 20 MINUTES AT A TIME.
  8. FOR WORK REQUIRING DEVICES IN PLACE FOR 3 DAYS OR LESS, THE CONTRACTOR SHALL FOLLOW "OREGON TEMPORARY TRAFFIC CONTROL HANDBOOK FOR OPERATIONS OF THREE DAYS OR LESS". ALL OTHER OPERATIONS SHALL FOLLOW ODOT'S TRAFFIC CONTROL STANDARD PLANS THAT MAY APPLY.
  9. CONTRACTOR TO MAINTAIN DRIVEWAY ACCESSES.
  10. STAGE SIDEWALK CONSTRUCTION TO BE ONE SIDE OF THE STREET AT A TIME.
  11. THE CONTRACTOR SHALL PREPARE FORMAL TRAFFIC CONTROL PLANS AND OBTAIN APPROVAL FROM THE CITY OF WOODBURN.



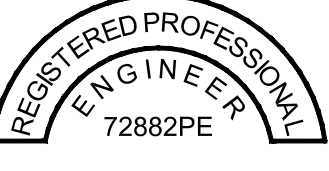
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TRAFFIC CONTROL PLAN FOR:  
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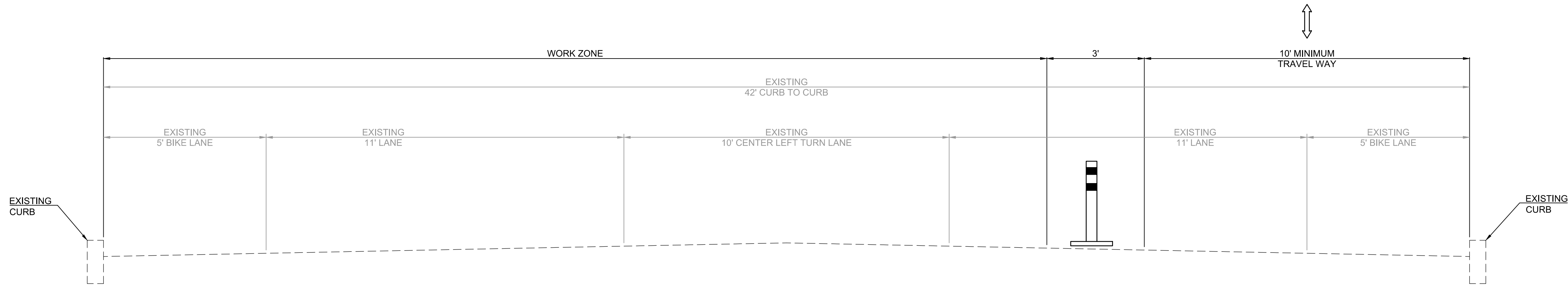
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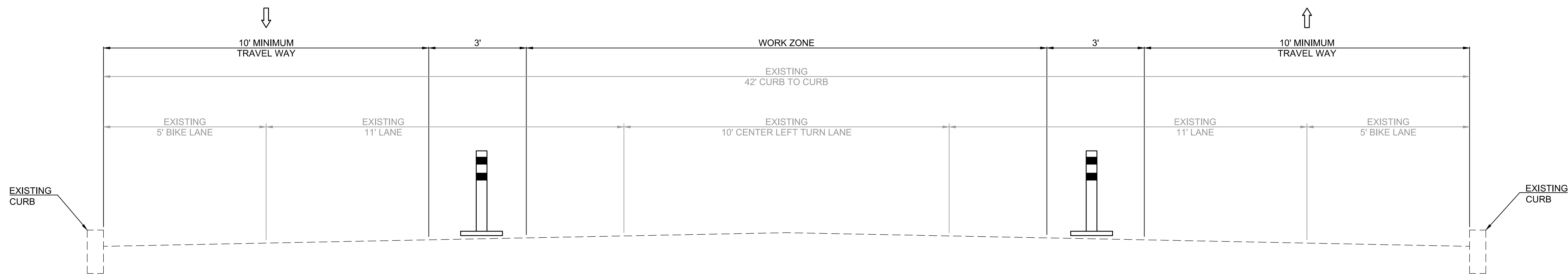
SHEET ID

**C402**

SHEET 26 OF 44



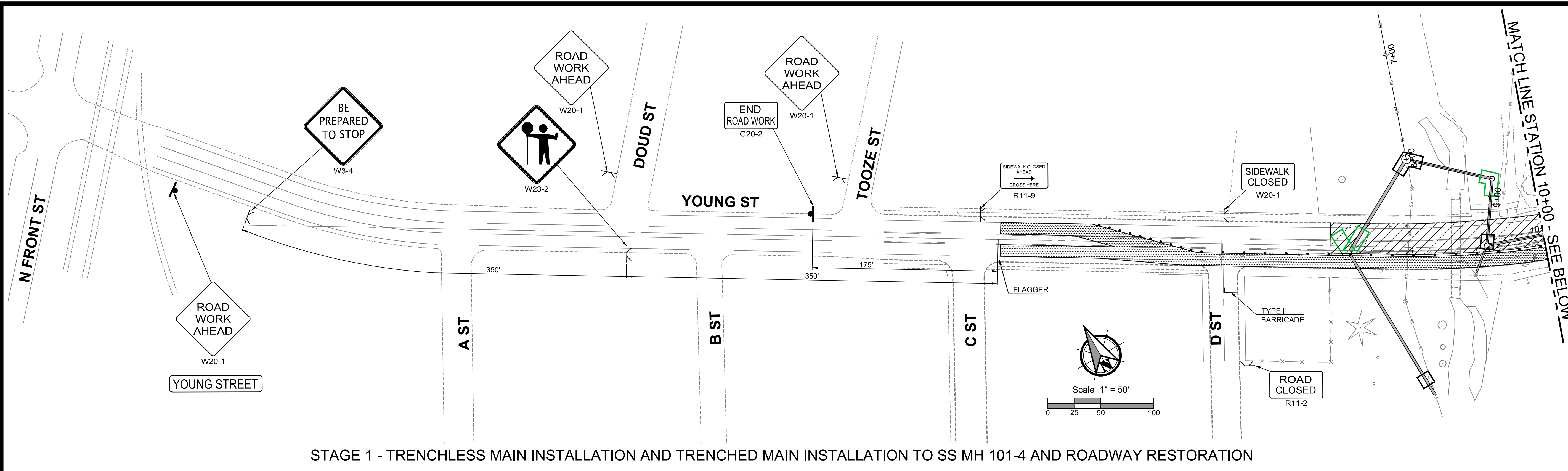
YOUNG STREET  
FLAGGING TRAFFIC CONFIGURATION



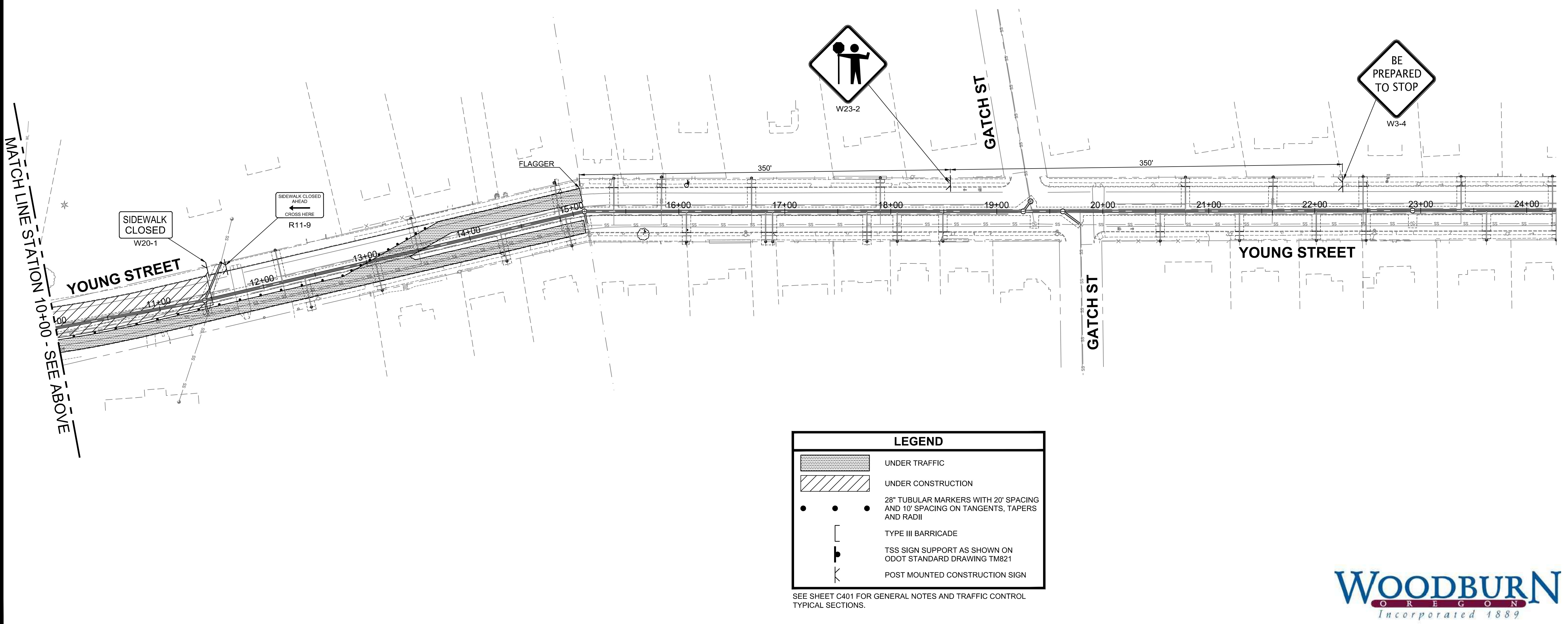
YOUNG STREET  
NON-WORKING HOURS TRAFFIC CONFIGURATION



CITY OF WOODBURN PROJECT # 2021-006-28



STAGE 1 - TRENCHLESS MAIN INSTALLATION AND TRENCHED MAIN INSTALLATION TO SS MH 101-4 AND ROADWAY RESTORATION



LEGEND	
	UNDER TRAFFIC
	UNDER CONSTRUCTION
	28" TUBULAR MARKERS WITH 20' SPACING AND 10' SPACING ON TANGENTS, TAPERS AND RADII
	TYPE III BARRICADE
	TSS SIGN SUPPORT AS SHOWN ON ODOT STANDARD DRAWING TM821
	POST MOUNTED CONSTRUCTION SIGN

SEE SHEET C401 FOR GENERAL NOTES AND TRAFFIC CONTROL TYPICAL SECTIONS.

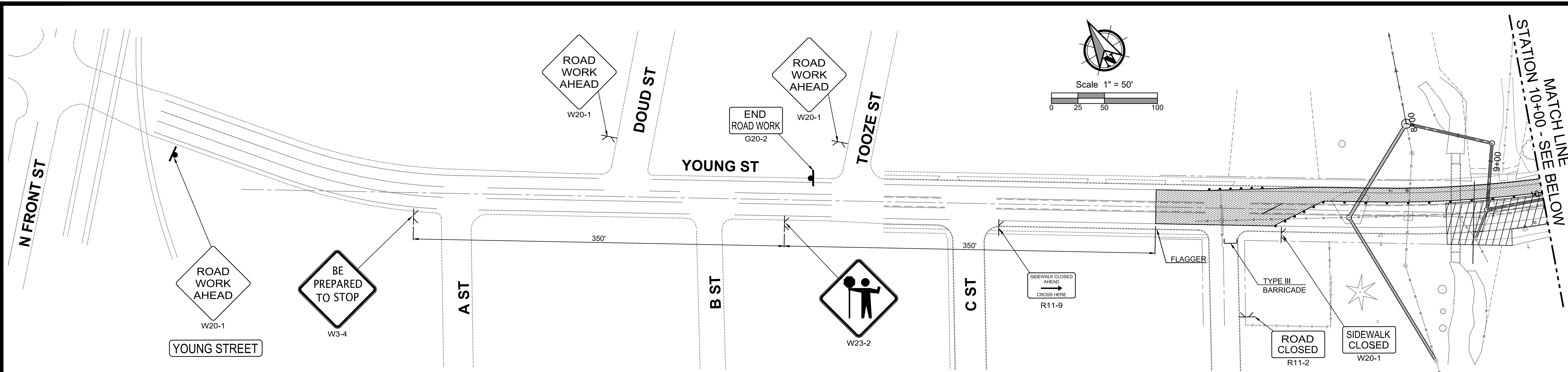
TRAFFIC CONTROL PLAN - STAGE 1 FOR:  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



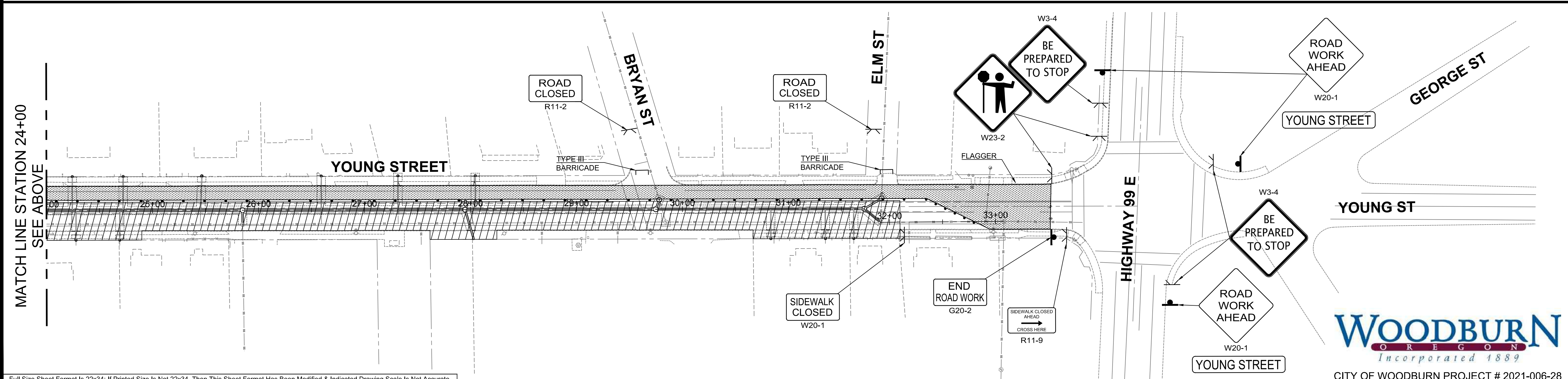
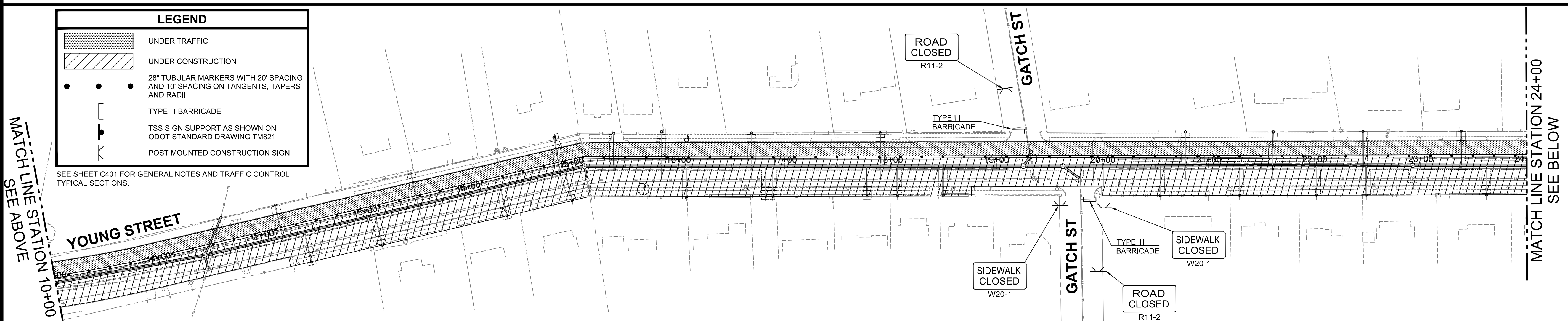
DESIGNED: DPS
CHECKED: RDB
MAY 20, 2022 74203.000



File name: L:\Projects\74203\74203-0001\Civil\CAD\Working\Sheets\74203-000-C403.dwg  
 Layout: Tab: C403 User: Dan Skelrud CAD Plot Date/Time: 5/20/2022 2:10:47 PM



STAGE 2 - INSTALL TRENCHED MAIN FROM SS MH 101-4 TO END OF MAIN INSTALLATION, SANITARY SEWER SERVICE LATERAL INSTALLATION AND ROADWAY RESTORATION ON THE SOUTH SIDE OF YOUNG STREET



Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

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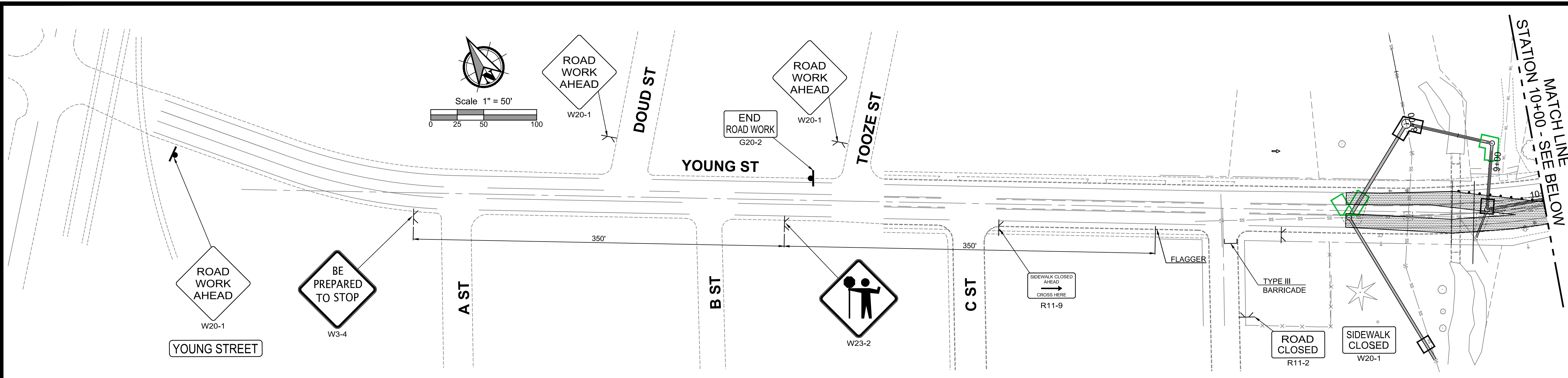
**TRAFFIC CONTROL PLAN - STAGE 2 FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON

**811**  
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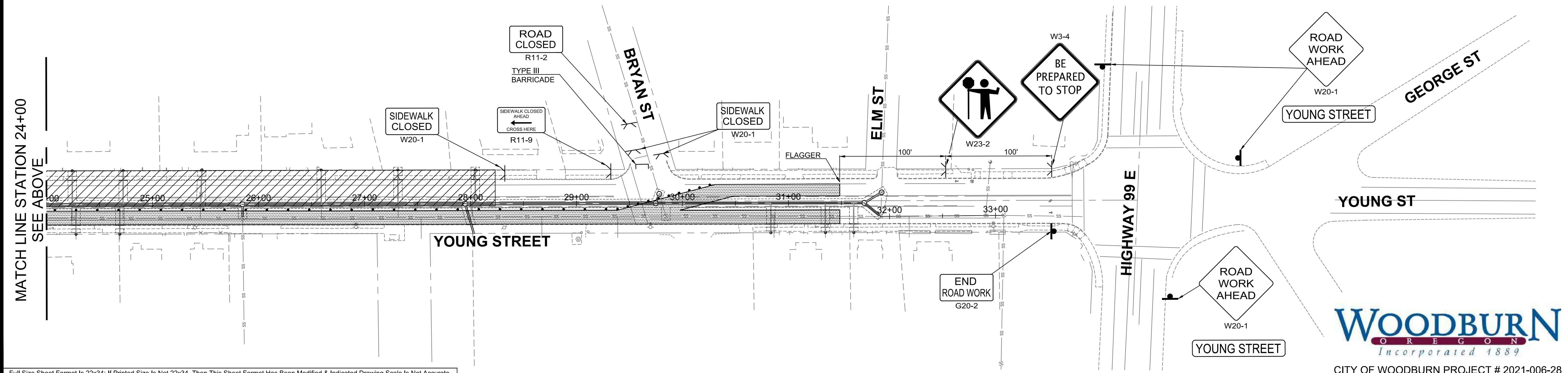
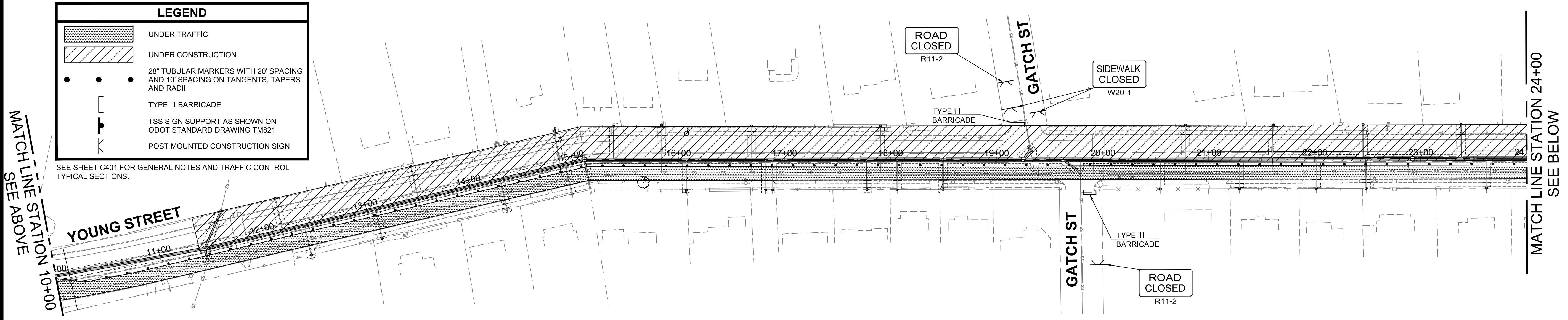
REGISTERED PROFESSIONAL ENGINEER  
 72882PE  
 OREGON  
 JUNE 14, 2007  
 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

DESIGNED: DPS  
 CHECKED: RDB  
 MAY 20, 2022  
 74203.000

SHEET ID  
**C404**  
 CITY OF WOODBURN PROJECT # 2021-006-28  
 SHEET **28** OF **44**

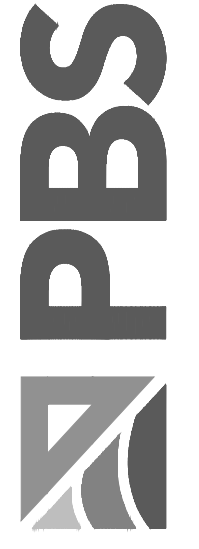


STAGE 3 - SANITARY SEWER SERVICE LATERAL INSTALLATION AND ROADWAY RESTORATION ON THE NORTH SIDE OF YOUNG STREET

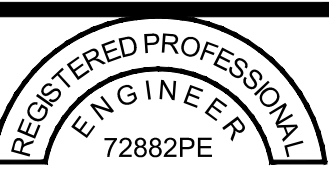


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TRAFFIC CONTROL PLAN - STAGE 3 FOR:  
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**C405**

SHEET 29 OF 44

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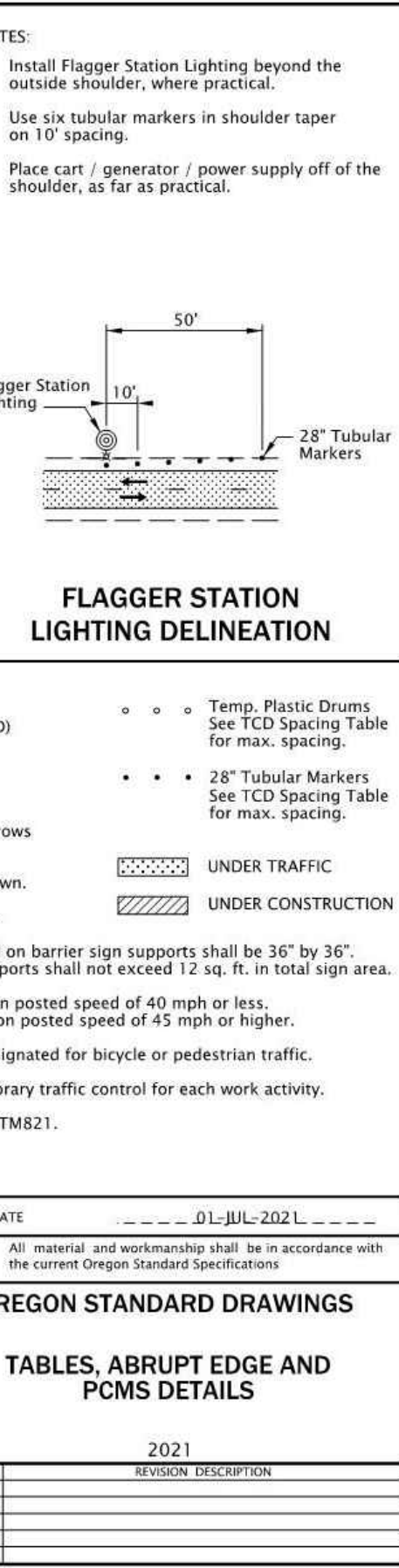
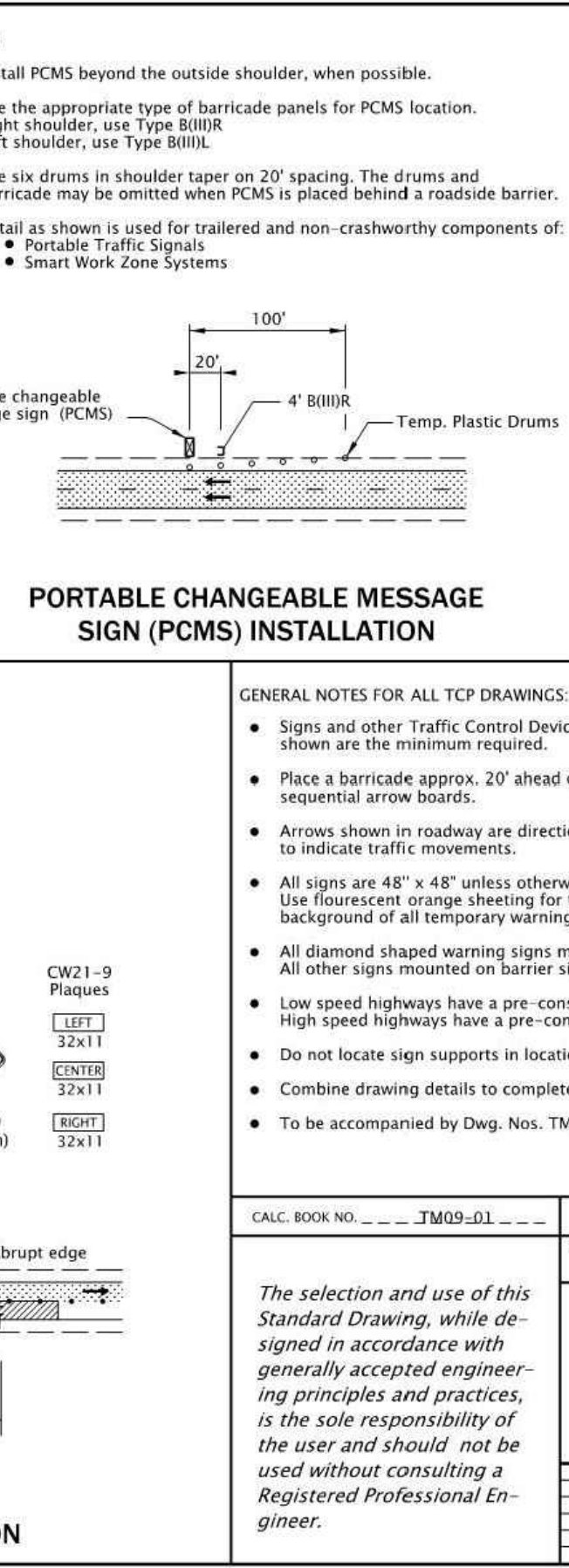
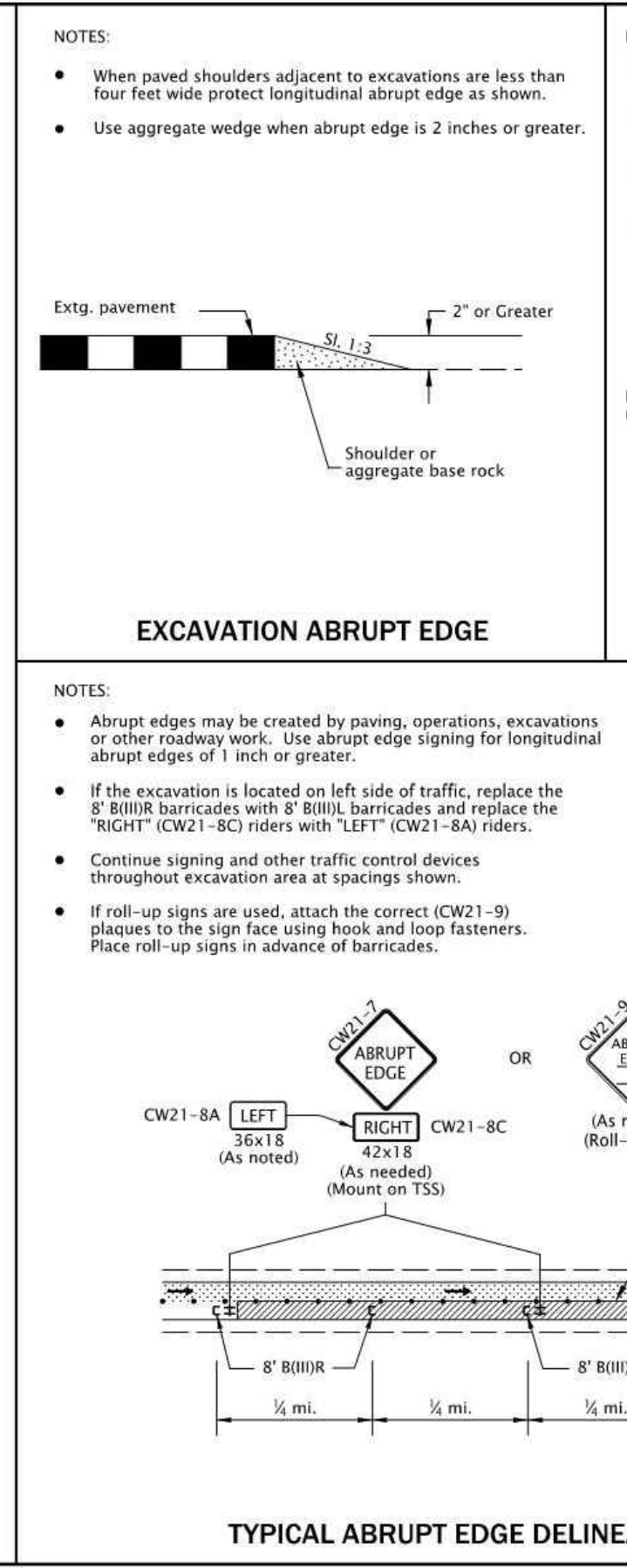
TAPER TYPES & FORMULAS	
TAPER	FORMULA
Merging (Lane Closure)	"L"
Shifting	"L"/2 or 1/2"L"
Shoulder Closure	"L"/3 or 1/3"L"
Flagging (See Dwg. TM850)	50' - 100'
Downstream (Termination)	Varies (See Drawings)

★ Use Pre-Construction Posted Speed to select the Speed from the Tables below:

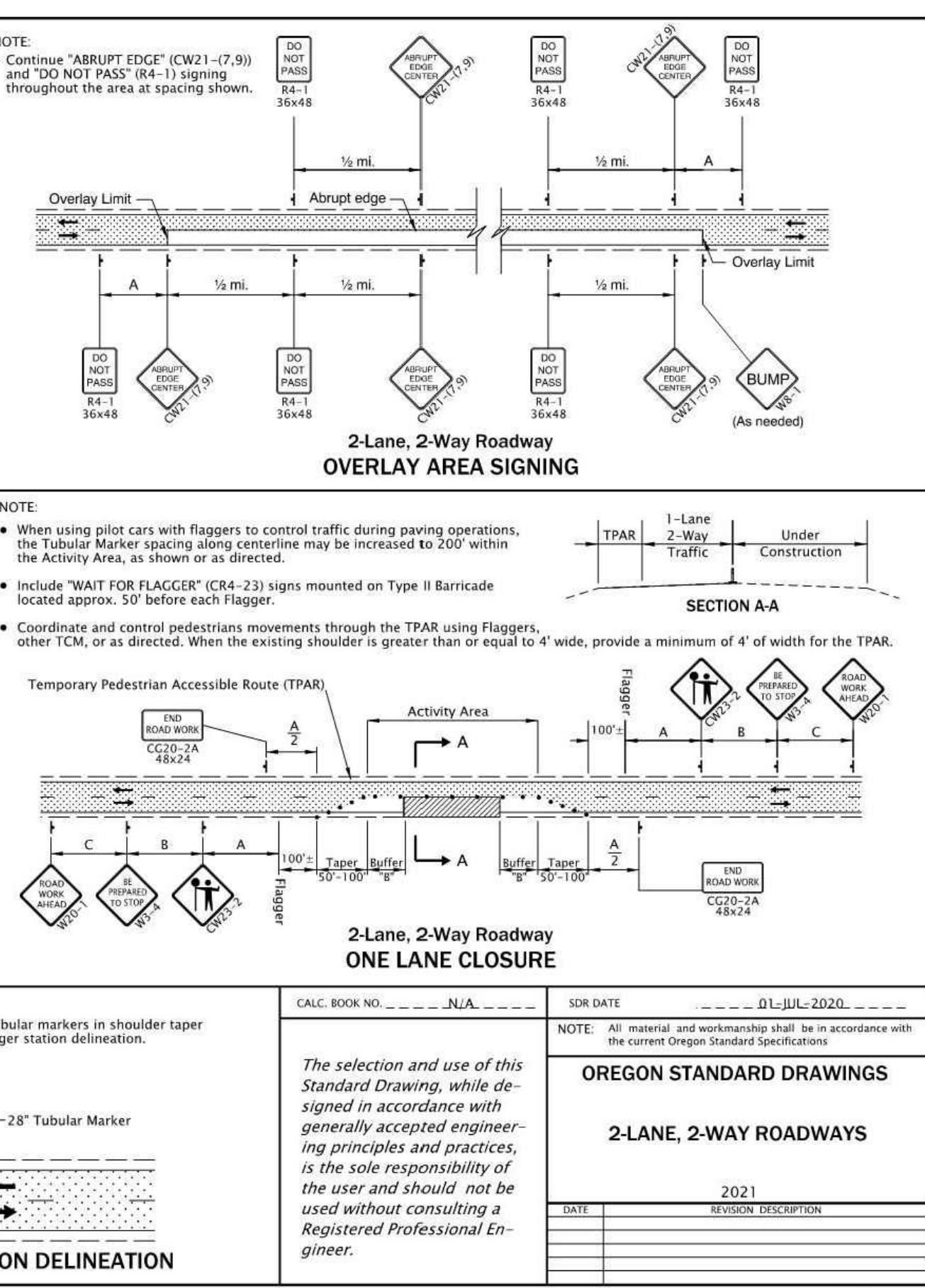
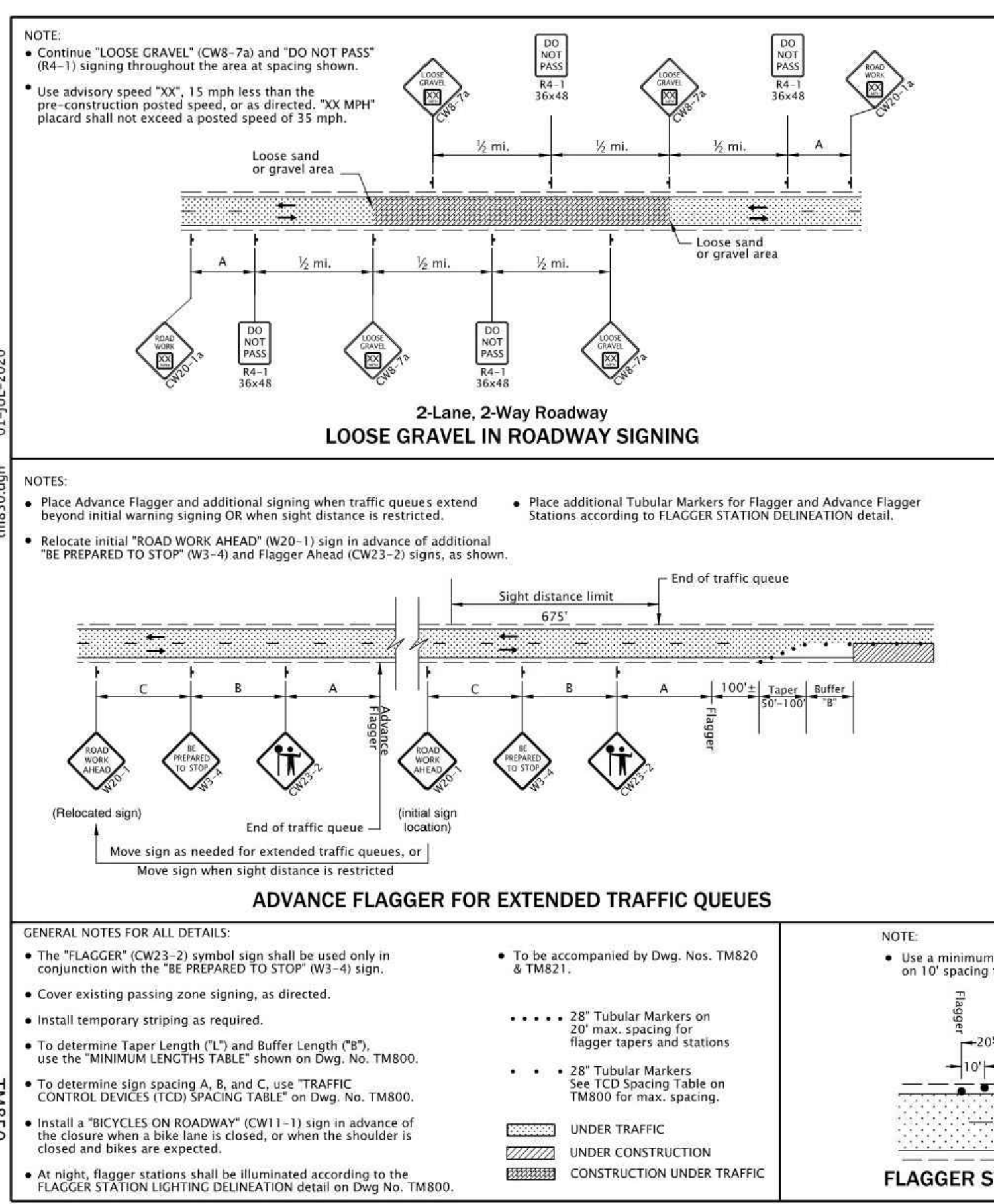
★ SPEED (mph)	MINIMUM FLARE RATE
≤ 30	8:1
35	9:1
40	10:1
45	12:1
50	14:1
55	16:1
60	18:1
65	19:1
70	20:1

MINIMUM LENGTHS TABLE		
"L" VALUE FOR TAPERS (ft)		
★ SPEED (mph)	W ≤ 10' W = 12' W = 14' W = 16'	BUFFER "B" (ft)
25	105 125 145 165	75
30	150 180 210 240	100
35	205 245 285 325	125
40	265 320 375 430	150
45	340 410 480 550	180
50	430 510 600 700	210
55	540 630 740 860	250
60	670 770 890 1030	285
65	820 930 1060 1210	325
70	990 1110 1250 1410	365

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE		
★ SPEED (mph)	Sign Spacing (ft)	Max. Channelizing Device Spacing (ft)
	A B C	
20 - 30	100 100 100	20
35 - 40	350 350 350	20
45 - 55	500 500 500	40
60 - 70	700 700 700	40
Freeway	1000 1500 2640	40



Effective Date: December 1, 2021 - May 31, 2022 TM800



Effective Date: December 1, 2021 - May 31, 2022 TM850

GENERAL NOTES FOR ALL DETAILS:

- The "FLAGGER" (CW23-2) symbol sign shall be used only in conjunction with the "BE PREPARED TO STOP" (W3-4) sign.
- Cover existing passing zone signing, as directed.
- Install temporary striping as required.
- To determine Taper Length ("L") and Buffer Length ("B"), use the "MINIMUM LENGTHS TABLE" shown on Dwg. No. TM800.
- To determine sign spacing A, B, and C, use "TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE" on Dwg. No. TM800.
- Install a "BICYCLES ON ROADWAY" (CW11-1) sign in advance of the closure when a bike lane is closed, or when the shoulder is closed and bikes are expected.
- At night, flagger stations shall be illuminated according to the FLAGGER STATION LIGHTING DELINEATION detail on Dwg. No. TM800.
- To be accompanied by Dwg. Nos. TM820 & TM821.
- 28' Tubular Markers on 20' max. spacing for flagger tapers and stations
- 28' Tubular Markers See TCD Spacing Table on TM800 for max. spacing.
- UNDER TRAFFIC
- UNDER CONSTRUCTION
- CONSTRUCTION UNDER TRAFFIC

NOTE:

- Use a minimum of 2 tubular markers in shoulder taper on 10' spacing for flagger station delineation.

**FLAGGER STATION DELINEATION**

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.

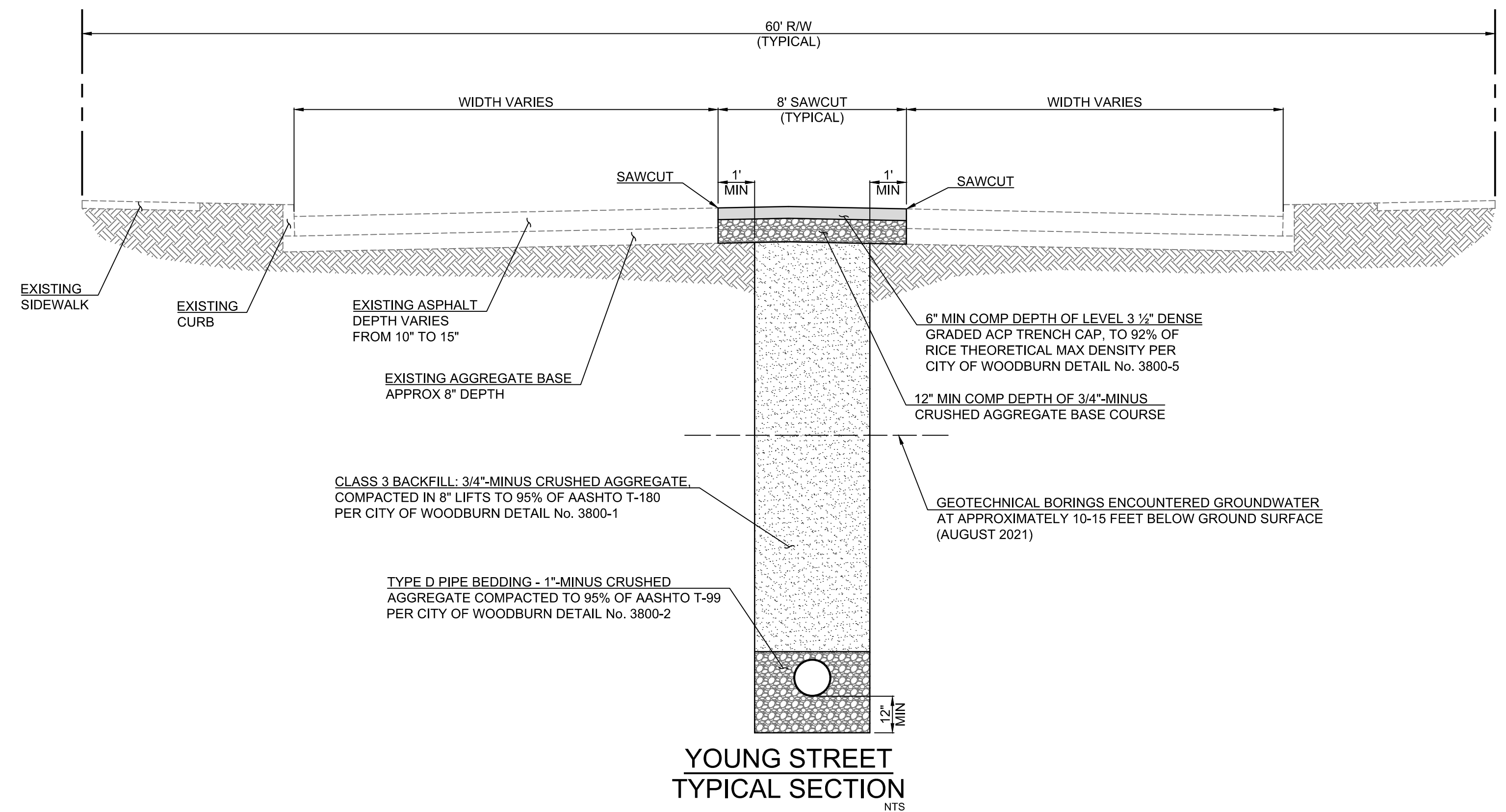
DATE: 2021

REVISION DESCRIPTION:



DESIGNED:	DPS
CHECKED:	RDB
MAY 20, 2022	74203.000
SHEET ID	C406
SHEET	30 OF 44

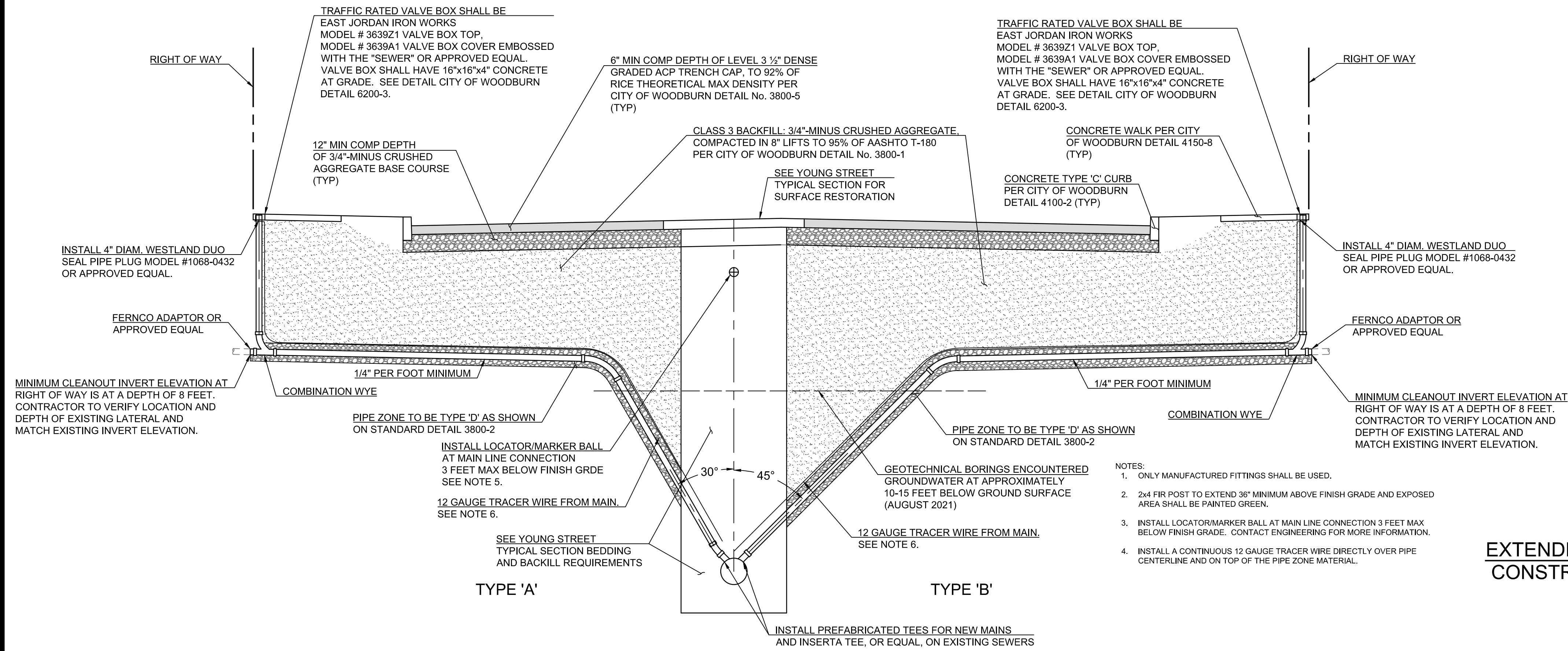




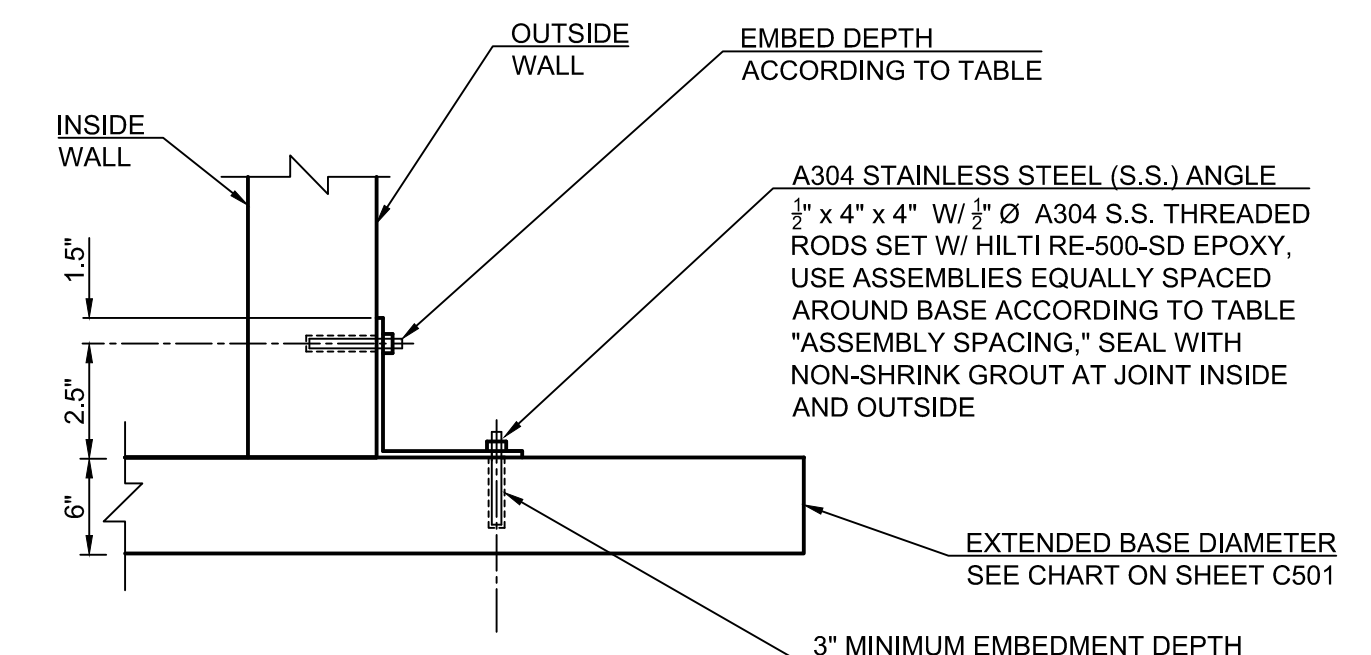
**YOUNG STREET  
TYPICAL SECTION**  
NTS

**SANITARY SEWER  
EXTENDED BASE MANHOLES**

STRUCTURE NAME	MANHOLE INSIDE DIAMETER	EXTENDED MANHOLE MINIMUM BASE DIAMETER	EXTENDED MANHOLE BASE THICKNESS	MANHOLE CONSTRUCTED OVER EXISTING SS LINE
SS MH 101-1	96"	148"	6"	SEE DETAIL BELOW
SS MH 101-2	48"	64"	6"	N/A
SS MH 101-3	60"	82"	6"	N/A
SS MH 101-4	48"	64"	6"	N/A
SS MH 102-1	48"	N/A	N/A	N/A
SS MH 103-1	48"	64"	6"	N/A
SS MH 103-2	48"	64"	6"	N/A
SS MH 103-3	48"	70"	6"	SEE DETAIL BELOW
SS MH 104-1	48"	64"	6"	N/A
SS MH 105-1	48"	64"	6"	N/A
SS MH 105-2	48"	64"	6"	N/A
SS MH 106-1	48"	66"	6"	N/A
SS MH 106-2	48"	66"	6"	SEE DETAIL BELOW
SS MH 107-1	48"	66"	6"	N/A
SS MH 107-2	48"	70"	6"	SEE DETAIL BELOW
SS MH 108-1	48"	64"	6"	SEE DETAIL BELOW



**SANITARY SEWER SERVICE CONNECTION  
TYPE 'A' OR TYPE 'B'**  
NTS



EMBED DEPTH (IN)	
MANHOLE ID (IN)	EMBED DEPTH (IN)
96	4
60	3
48	2.5

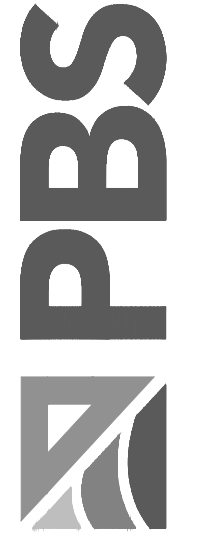
  

ASSEMBLY SPACING	
MANHOLE ID (IN)	# OF ASSEMBLIES
96	10
60	7
48	5

**EXTENDED BASE TO RISER CONNECTION FOR MANHOLES  
CONSTRUCTED OVER EXISTING SANITARY SEWER LINES**  
NTS

- NOTES:
- ONLY MANUFACTURED FITTINGS SHALL BE USED.
  - 2x4 FIR POST TO EXTEND 36" MINIMUM ABOVE FINISH GRADE AND EXPOSED AREA SHALL BE PAINTED GREEN.
  - INSTALL LOCATOR/MARKER BALL AT MAIN LINE CONNECTION 3 FEET MAX BELOW FINISH GRADE. CONTACT ENGINEERING FOR MORE INFORMATION.
  - INSTALL A CONTINUOUS 12 GAUGE TRACER WIRE DIRECTLY OVER PIPE CENTERLINE AND ON TOP OF THE PIPE ZONE MATERIAL.

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**MISCELLANEOUS DETAILS FOR:  
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REGISTERED PROFESSIONAL ENGINEER  
72882PE  
OREGON  
JUNE 14, 2007  
RICHARD D. BOYLE  
EXPIRES: 12/31/2023

DESIGNED: DPS  
CHECKED: RDB  
MAY 20, 2022  
74203.000

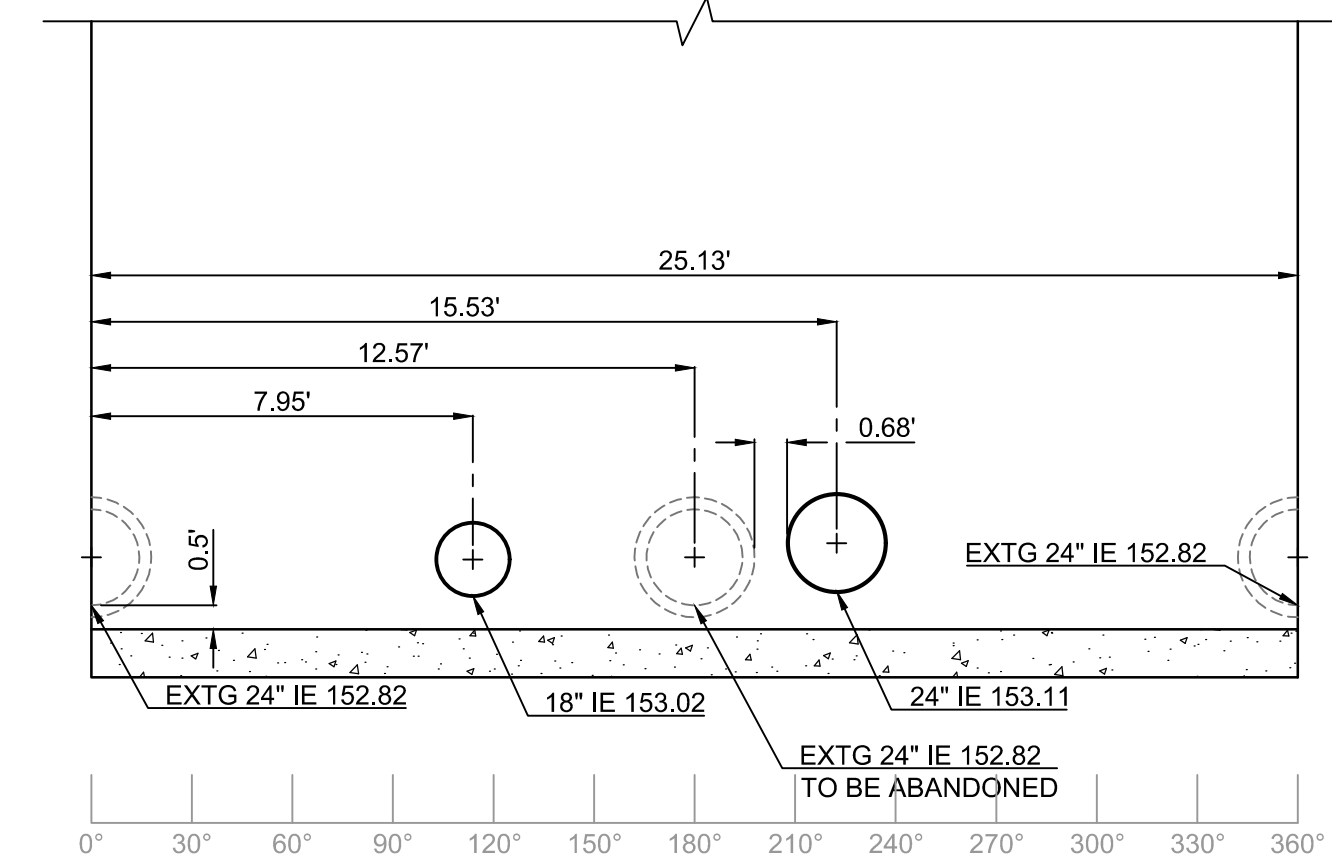
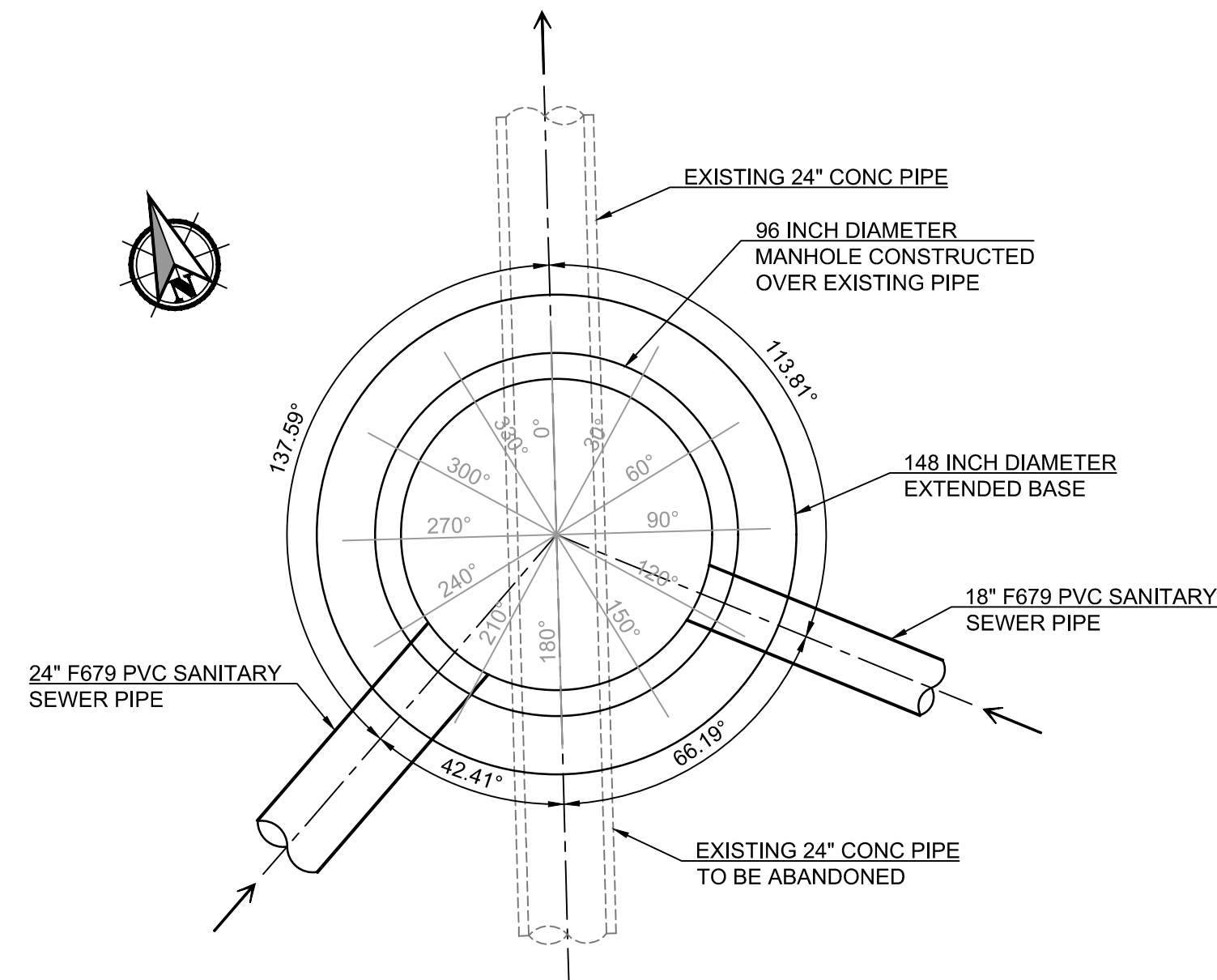
SHEET ID  
**C501**  
SHEET 31 OF 44



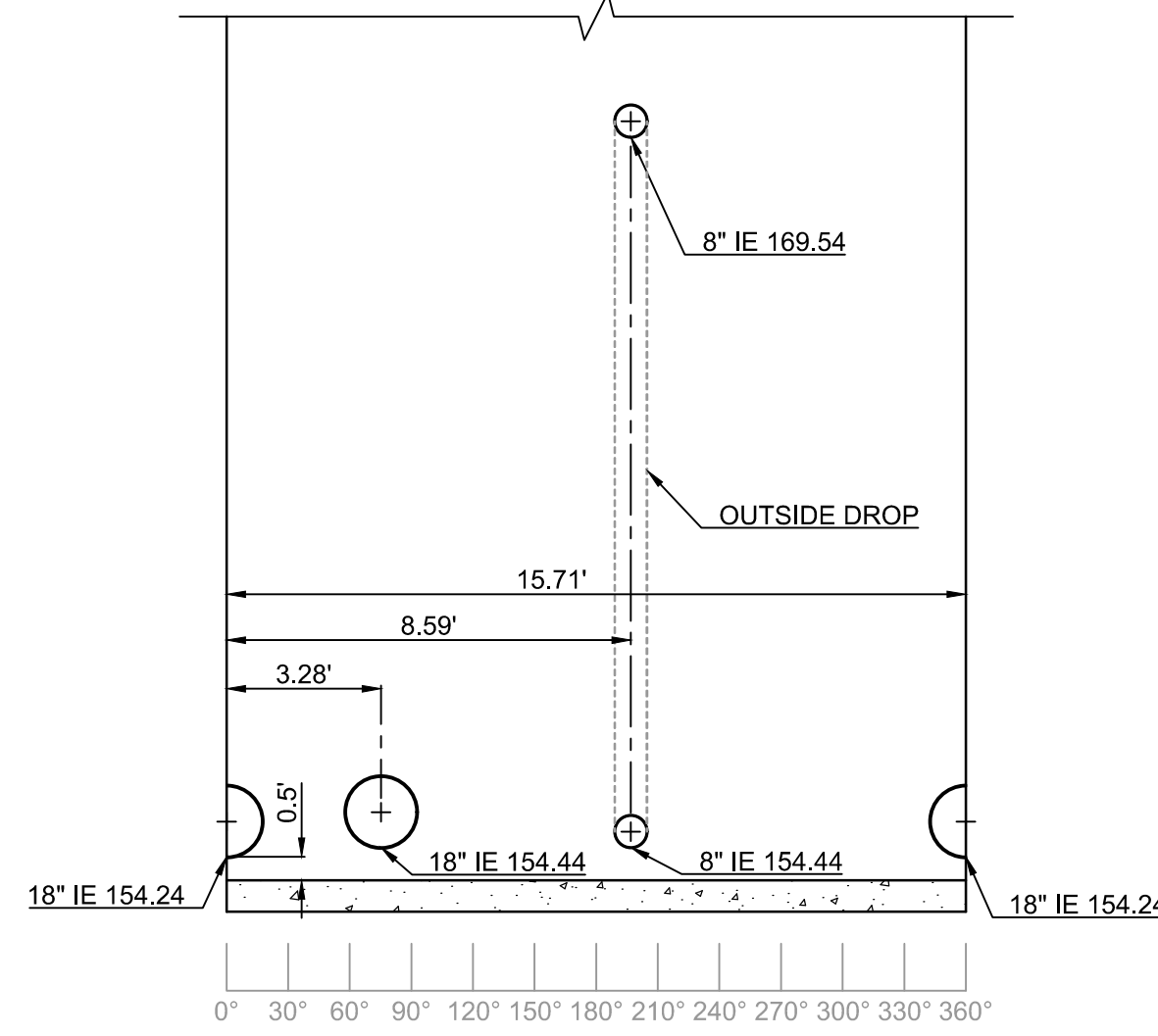
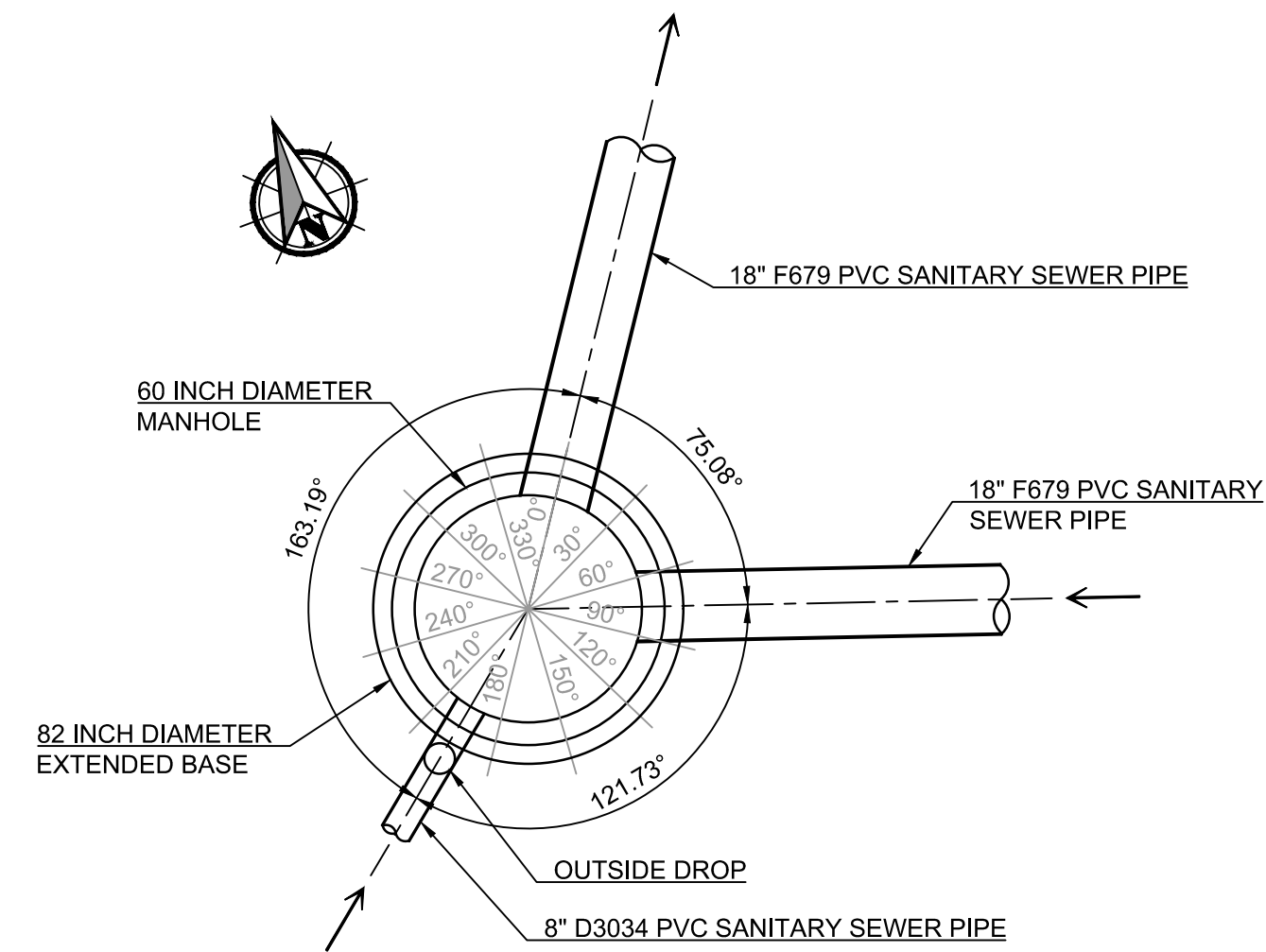
CITY OF WOODBURN PROJECT # 2021-006-28

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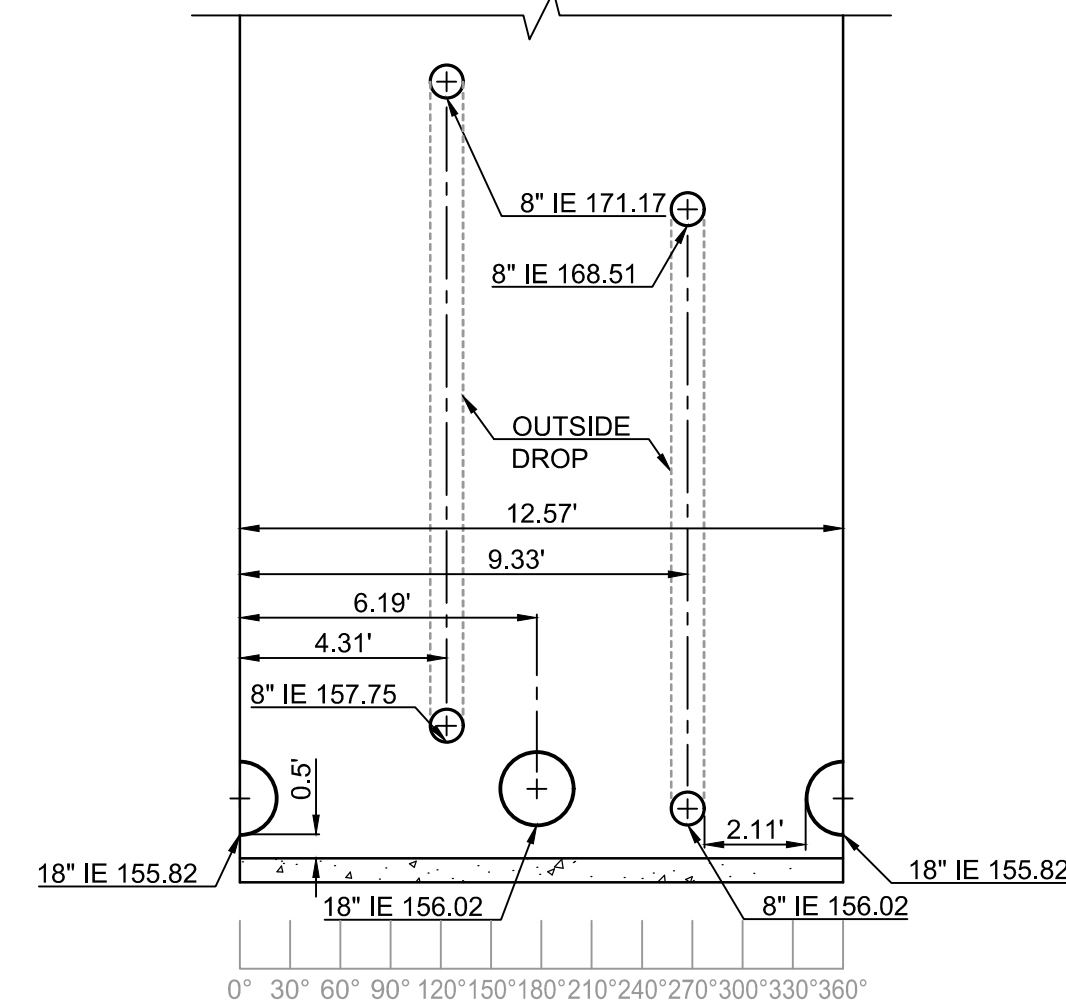
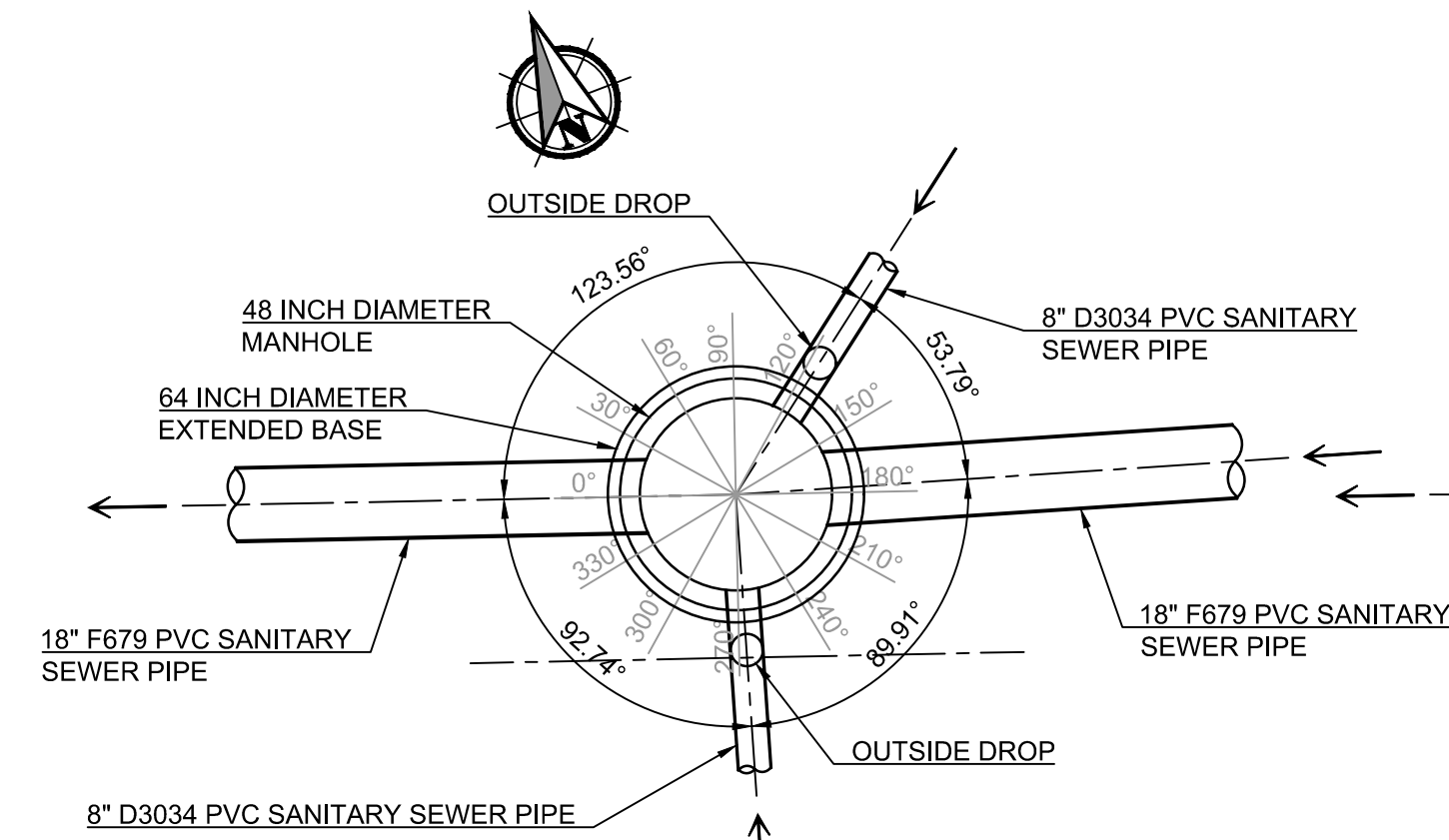
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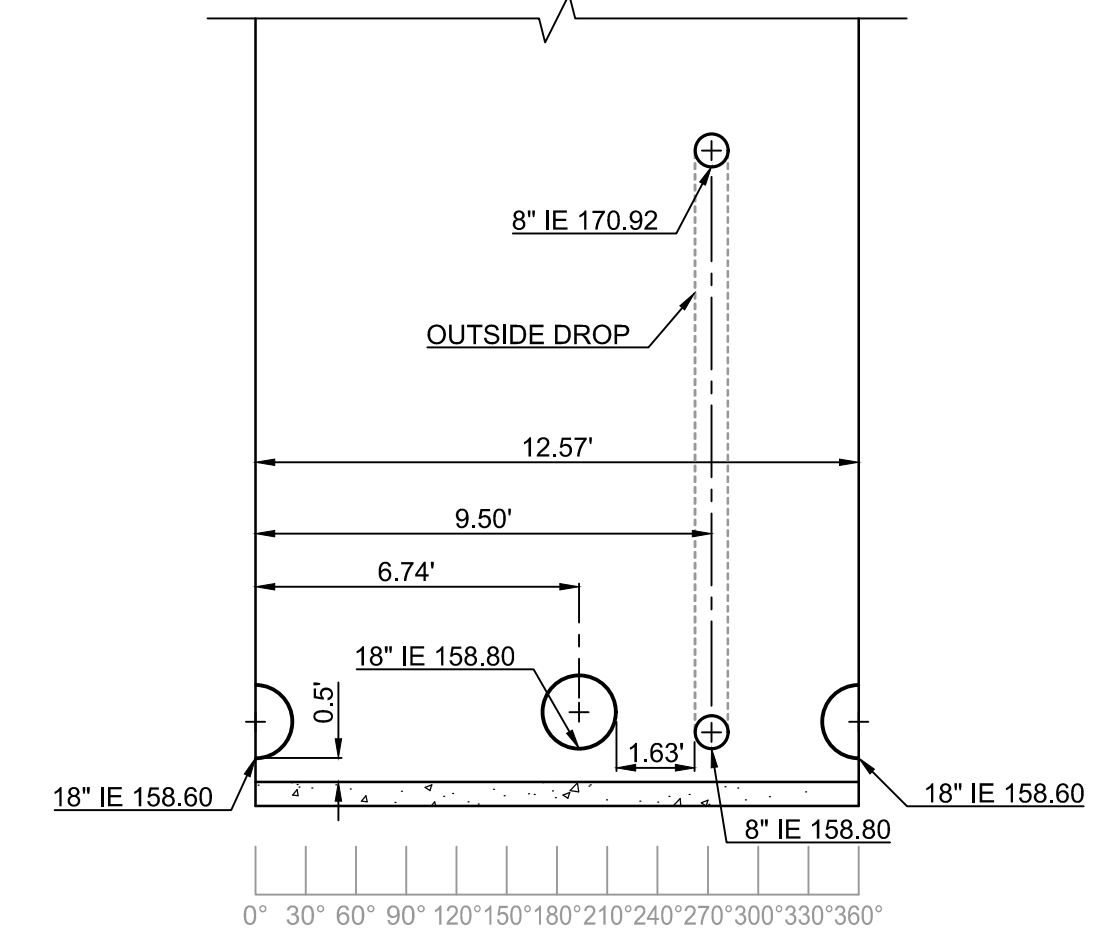
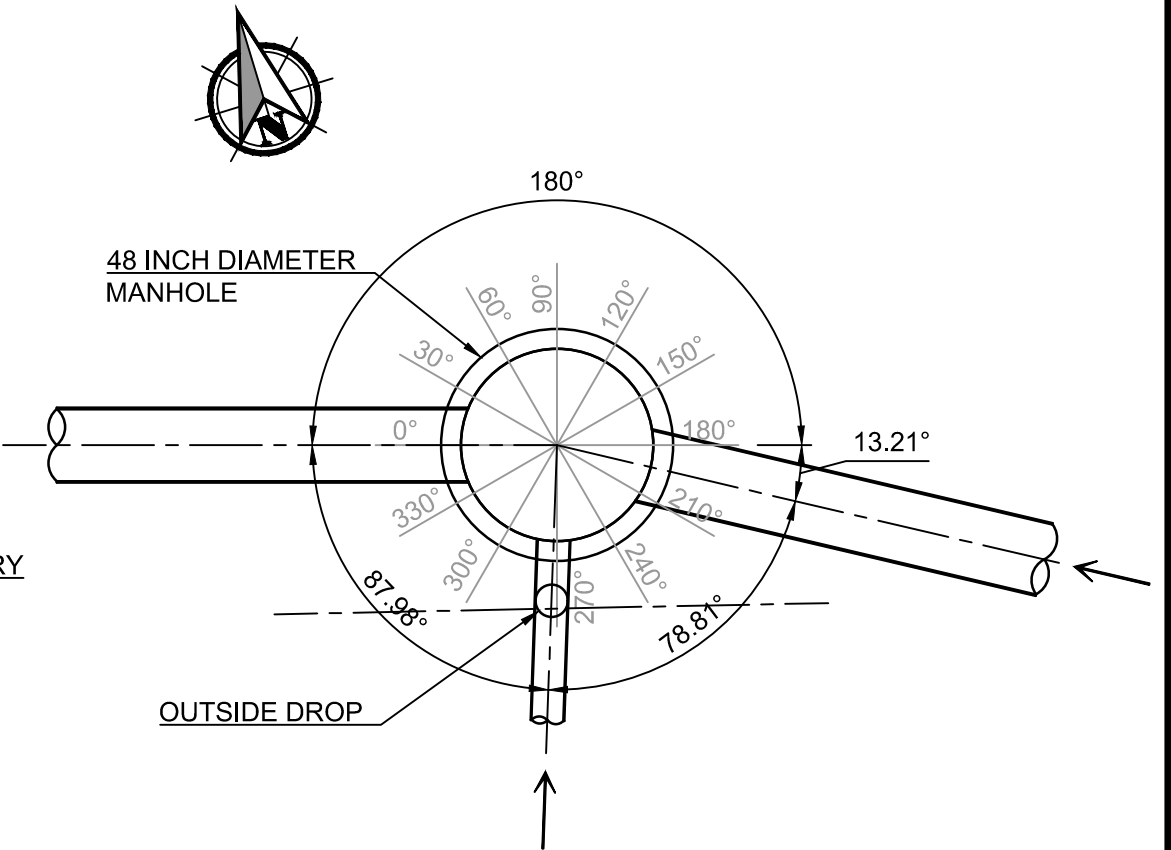
SS MH 101-1



SS MH 101-3



SS MH 101-4

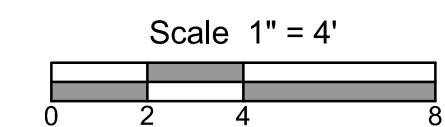


SS MH 102-1

SANITARY SEWER MANHOLES  
NOT SHOWN IN ROLLOUT DETAILS

STRUCTURE NAME	MANHOLE INSIDE DIAMETER	NUMBER OF PIPES CONNECTED TO MANHOLE	ANGLE BETWEEN PIPES
SS MH 101-2	48"	2	98.5°
SS MH 104-1	48"	2	180°

← FLOW DIRECTION IN MANHOLES



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SHEET ID

**C502**

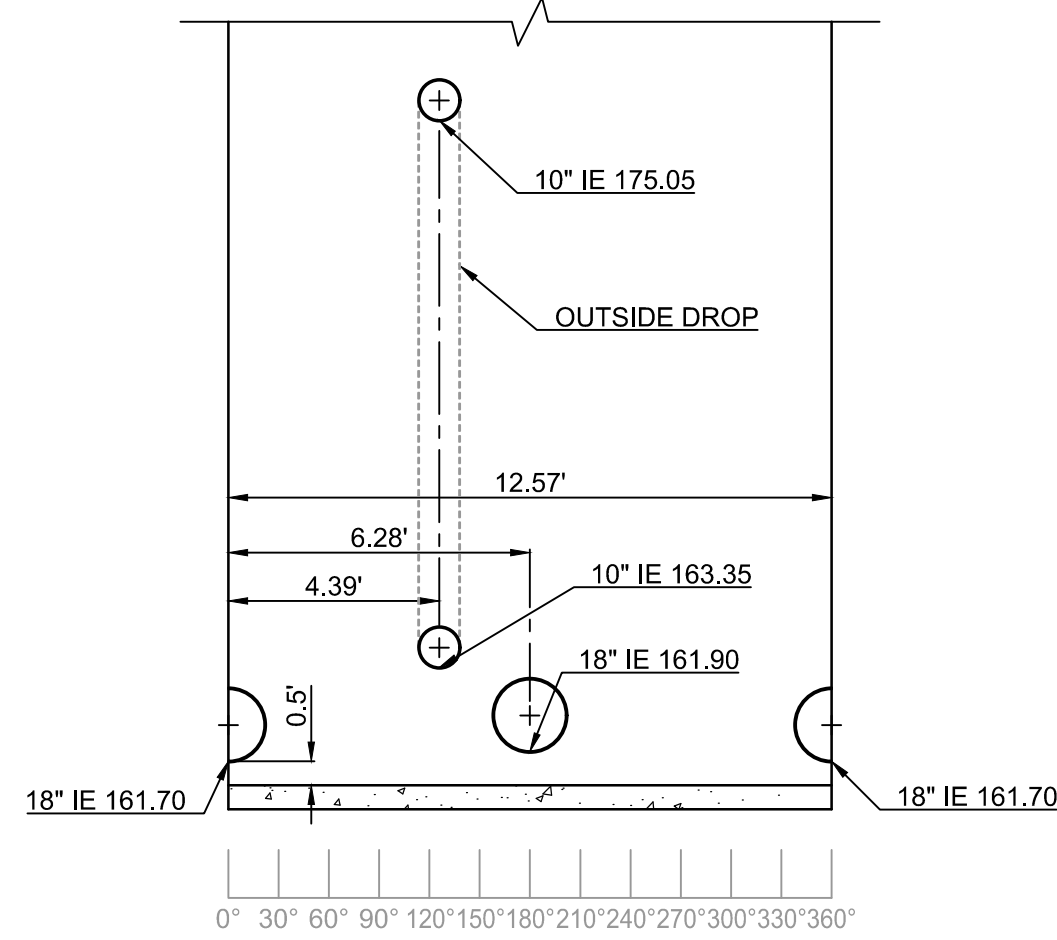
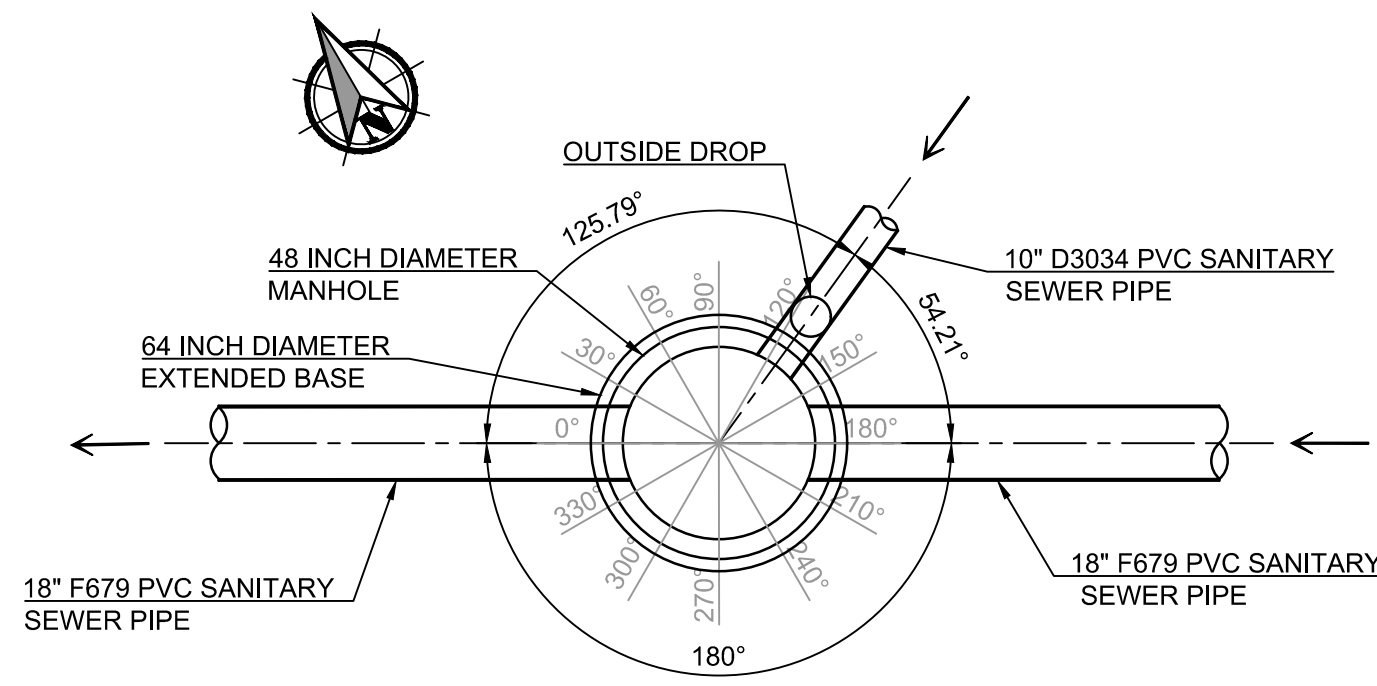
SHEET 32 OF 44



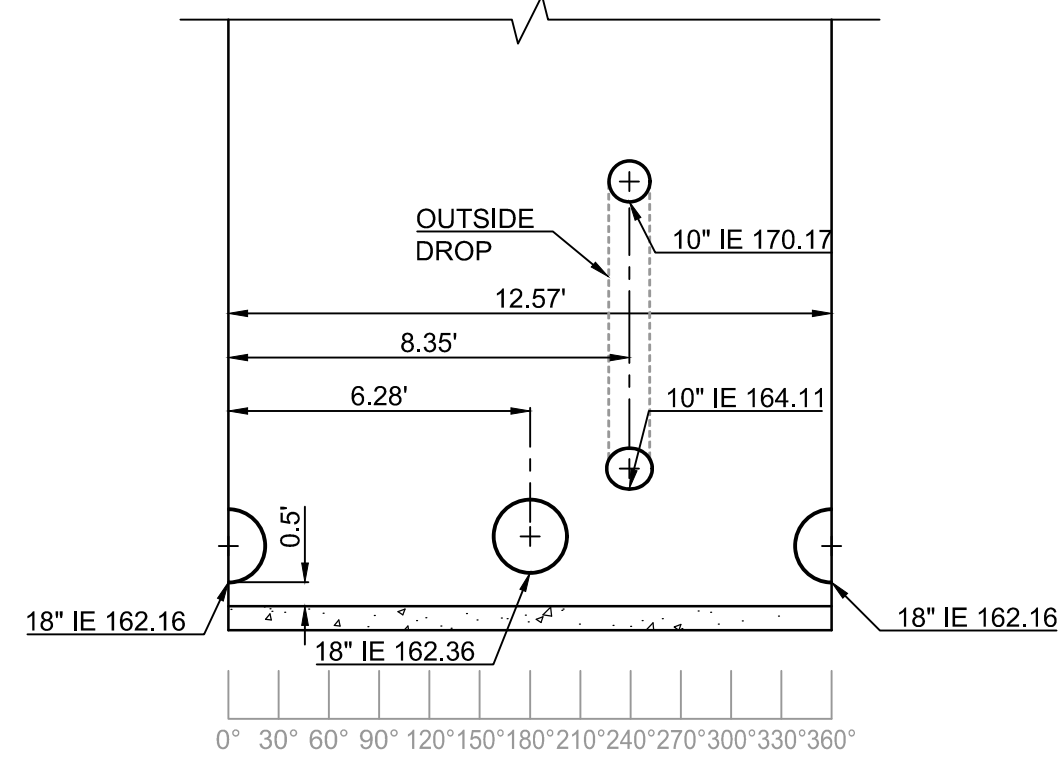
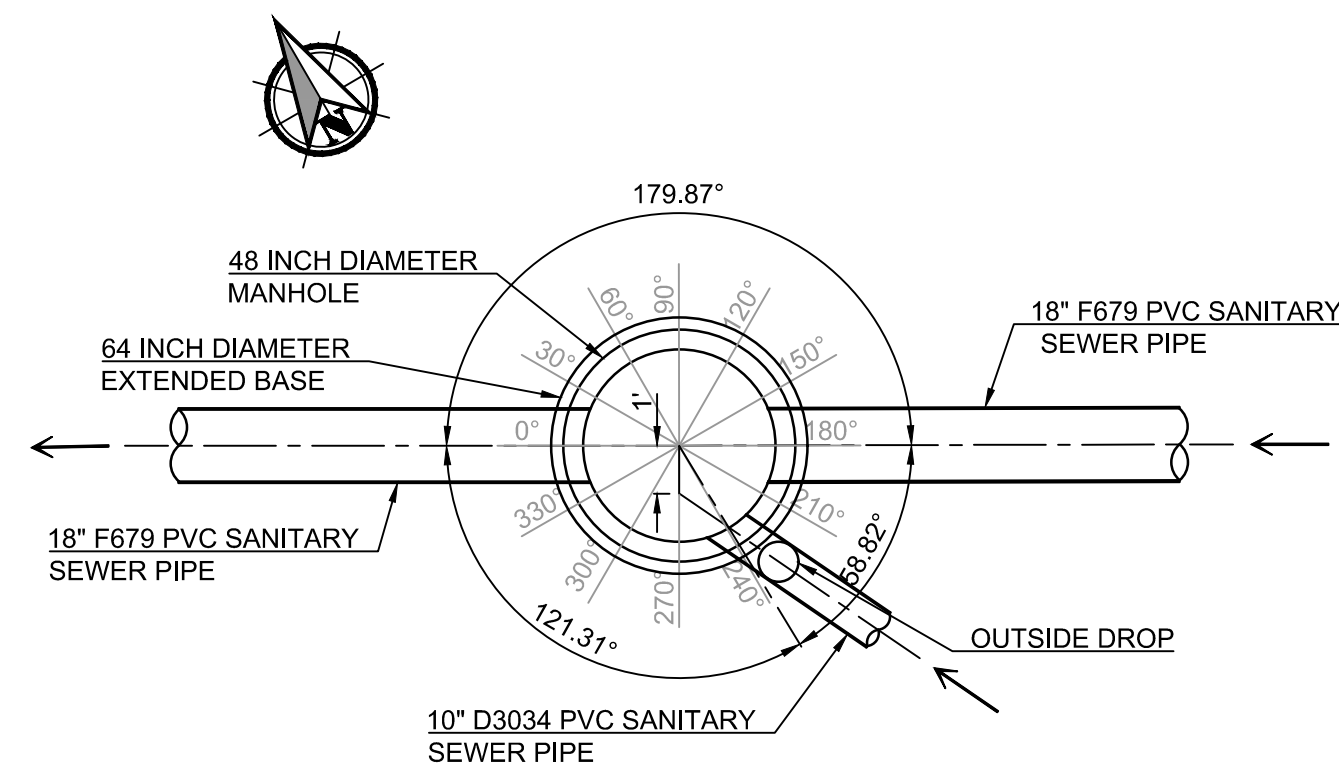
CITY OF WOODBURN PROJECT # 2021-006-28



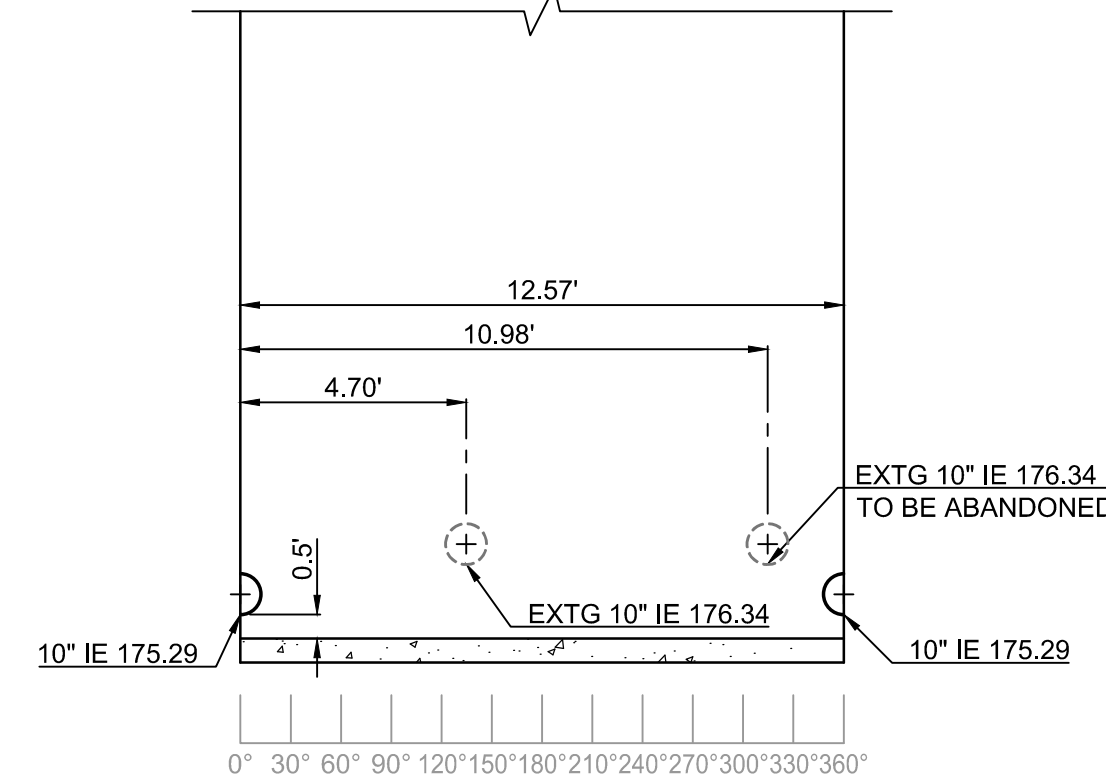
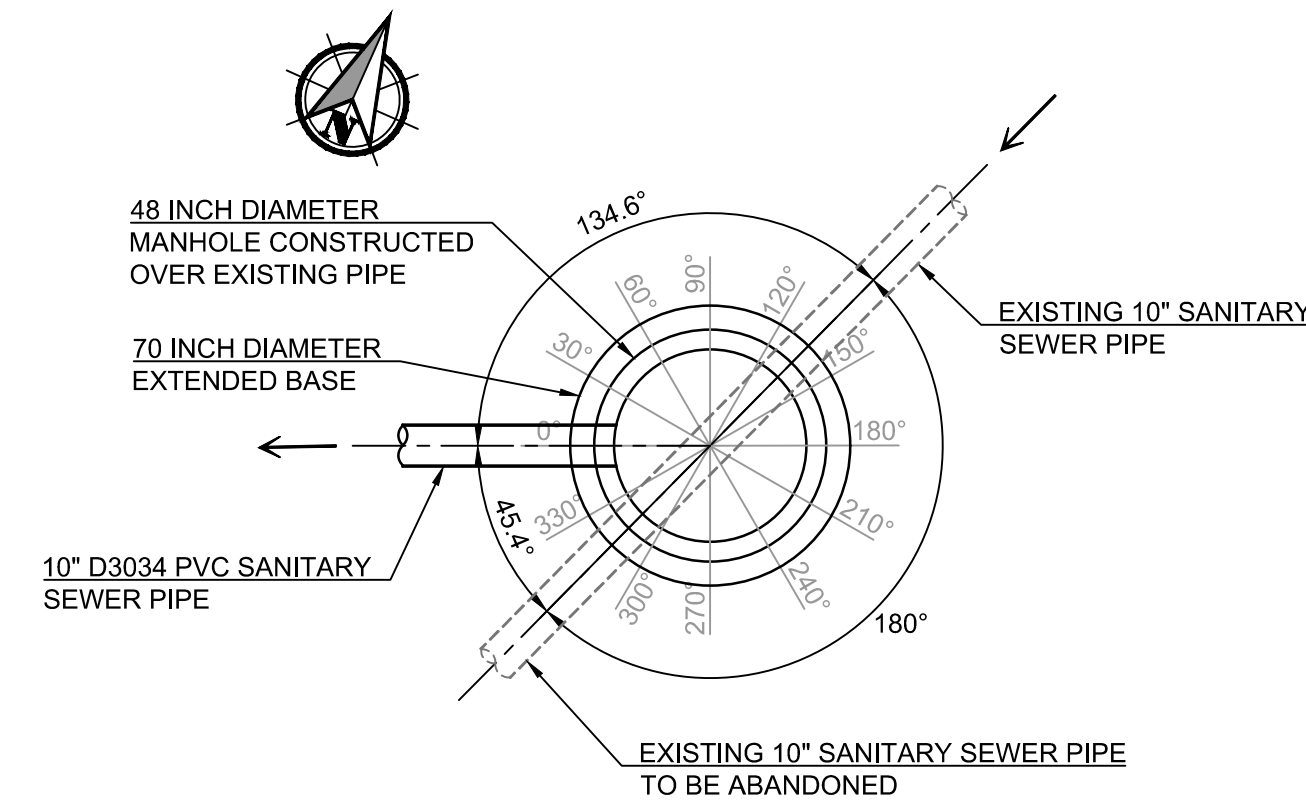
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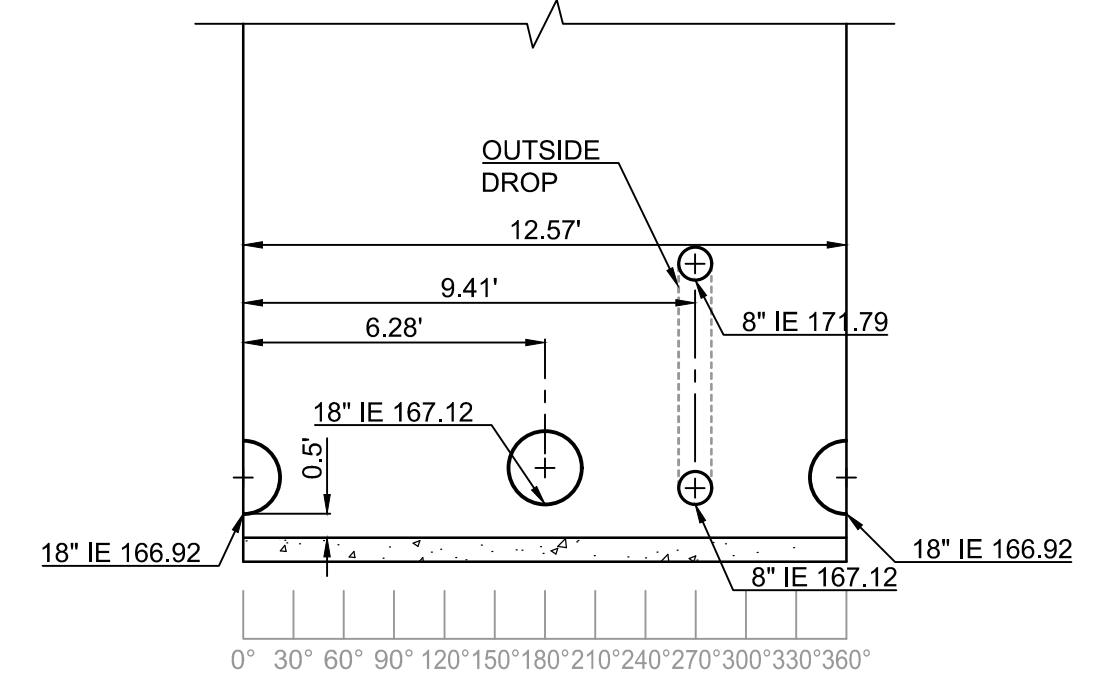
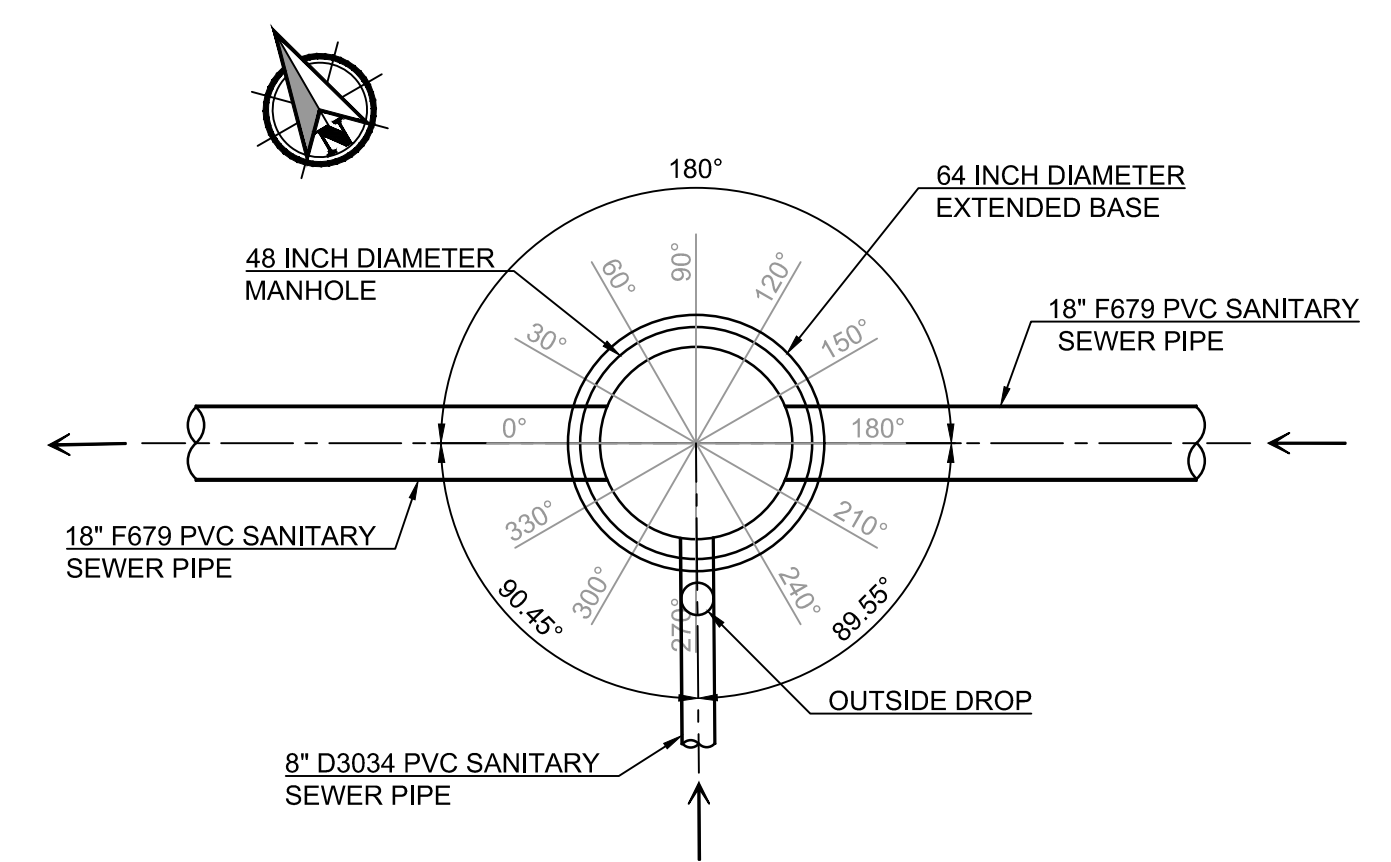
SS MH 103-1



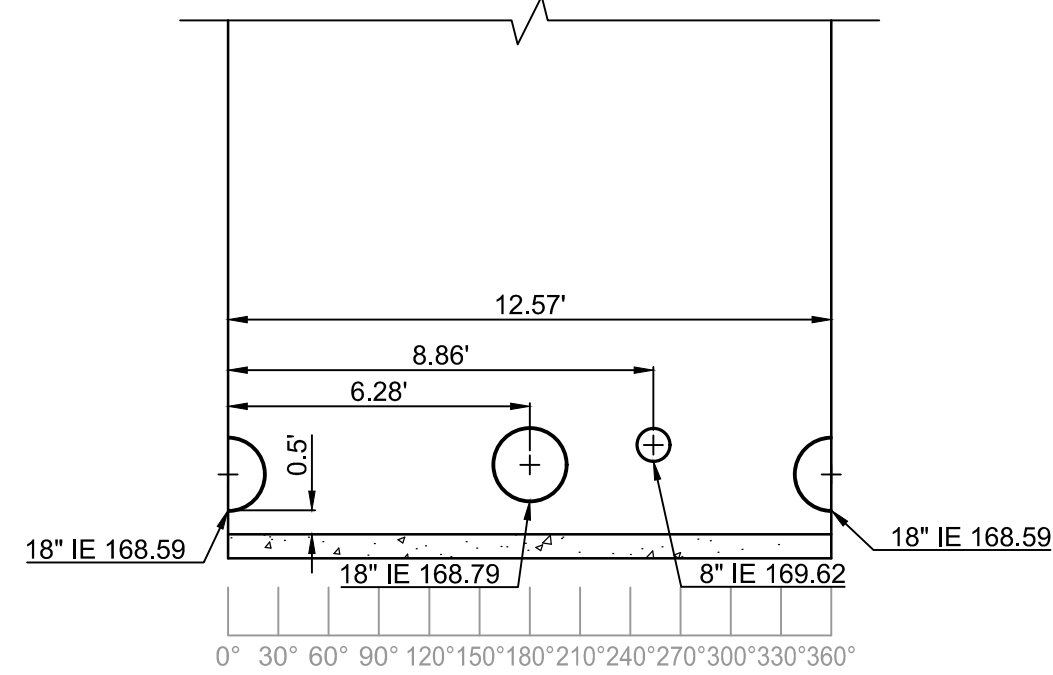
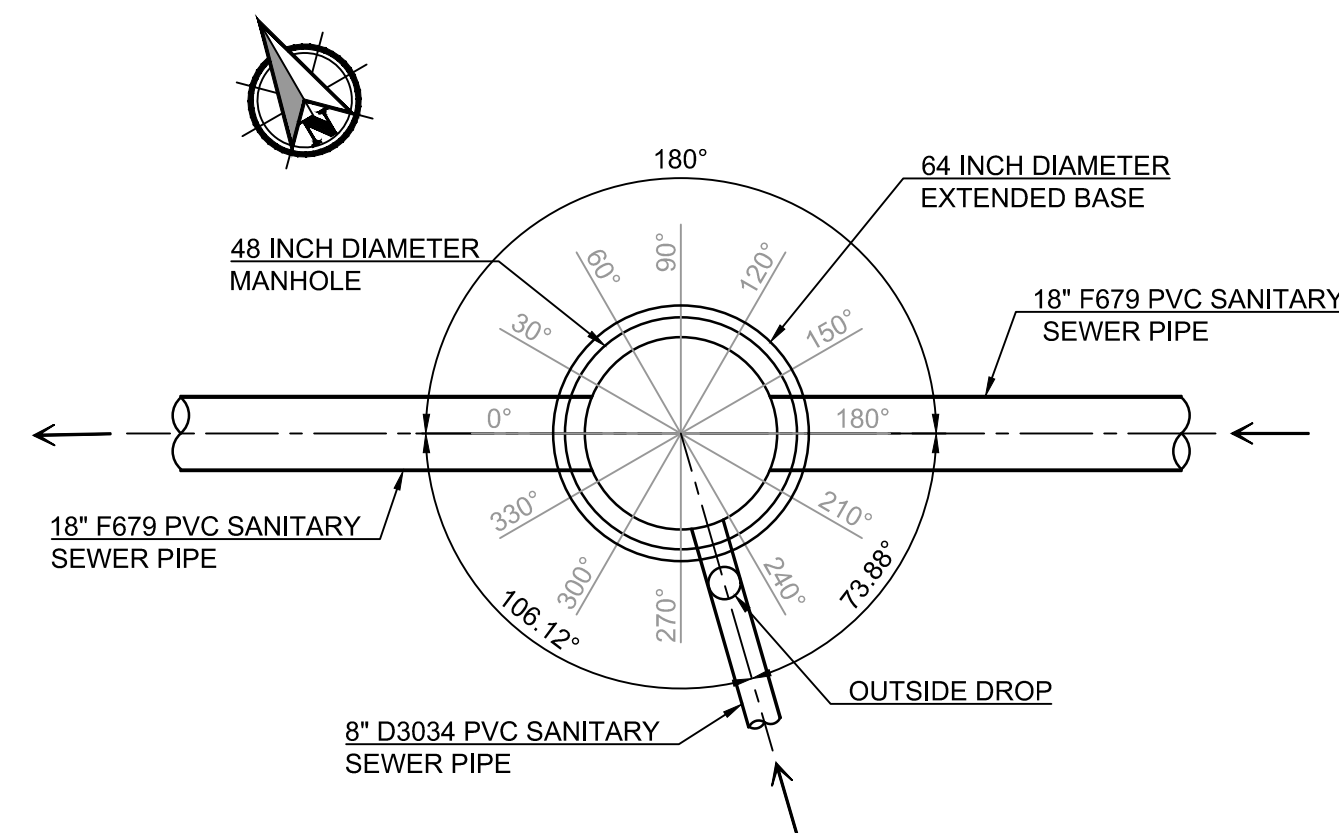
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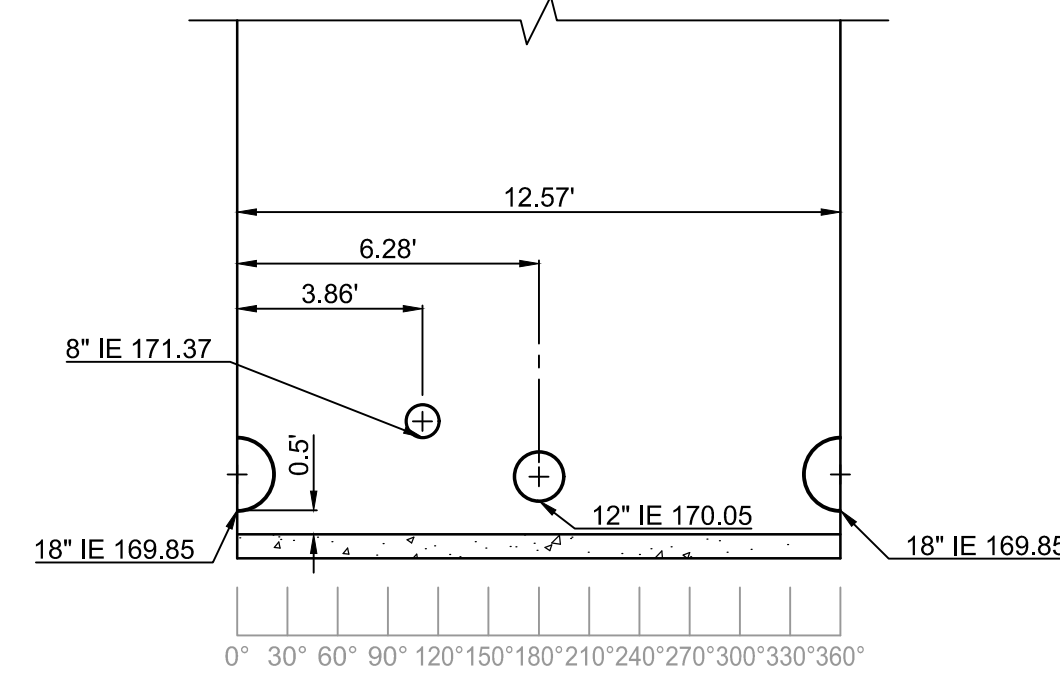
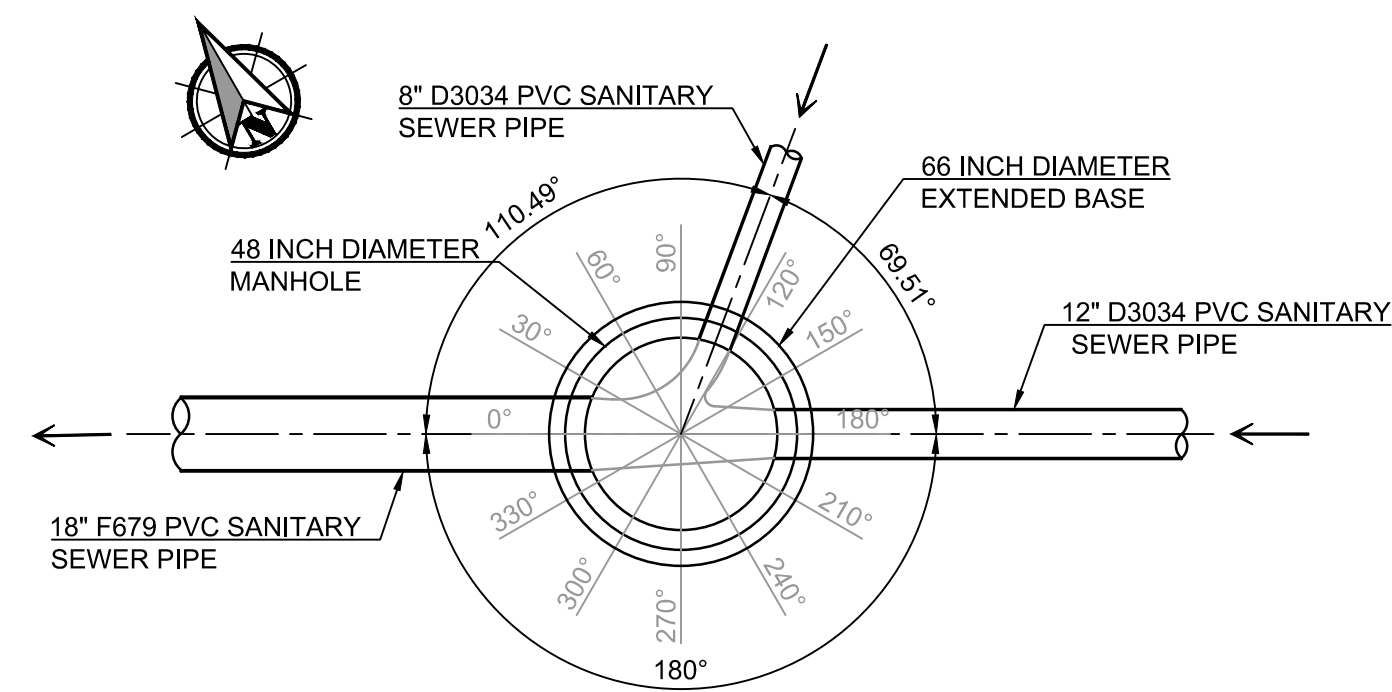
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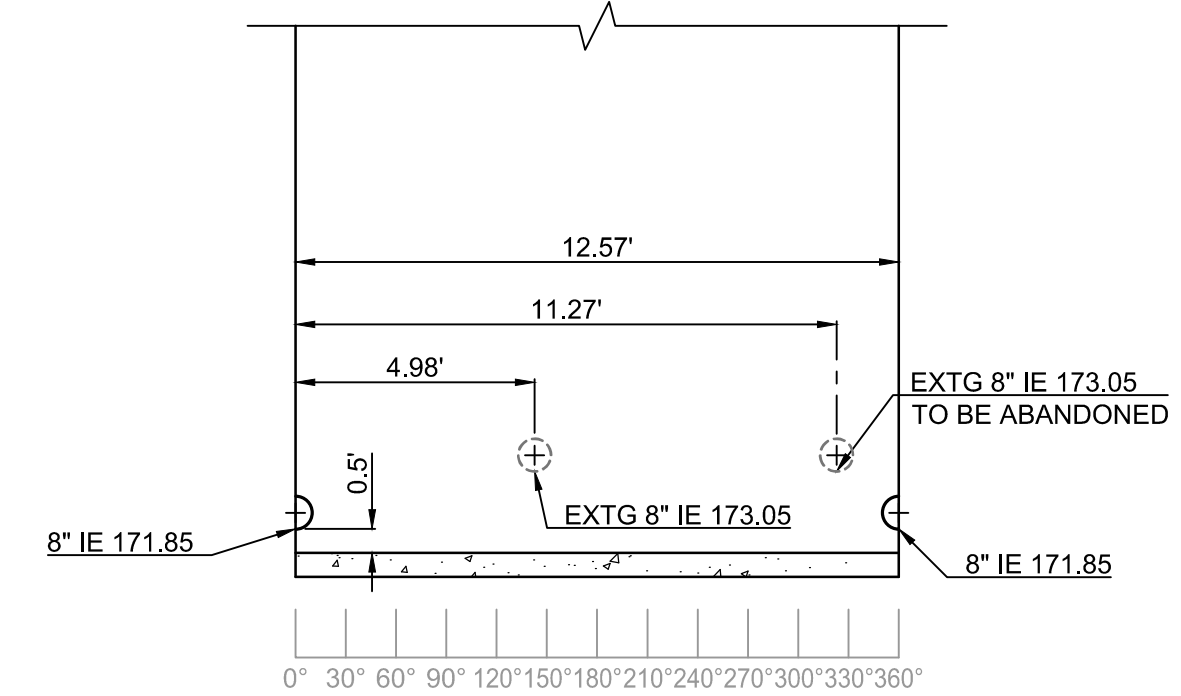
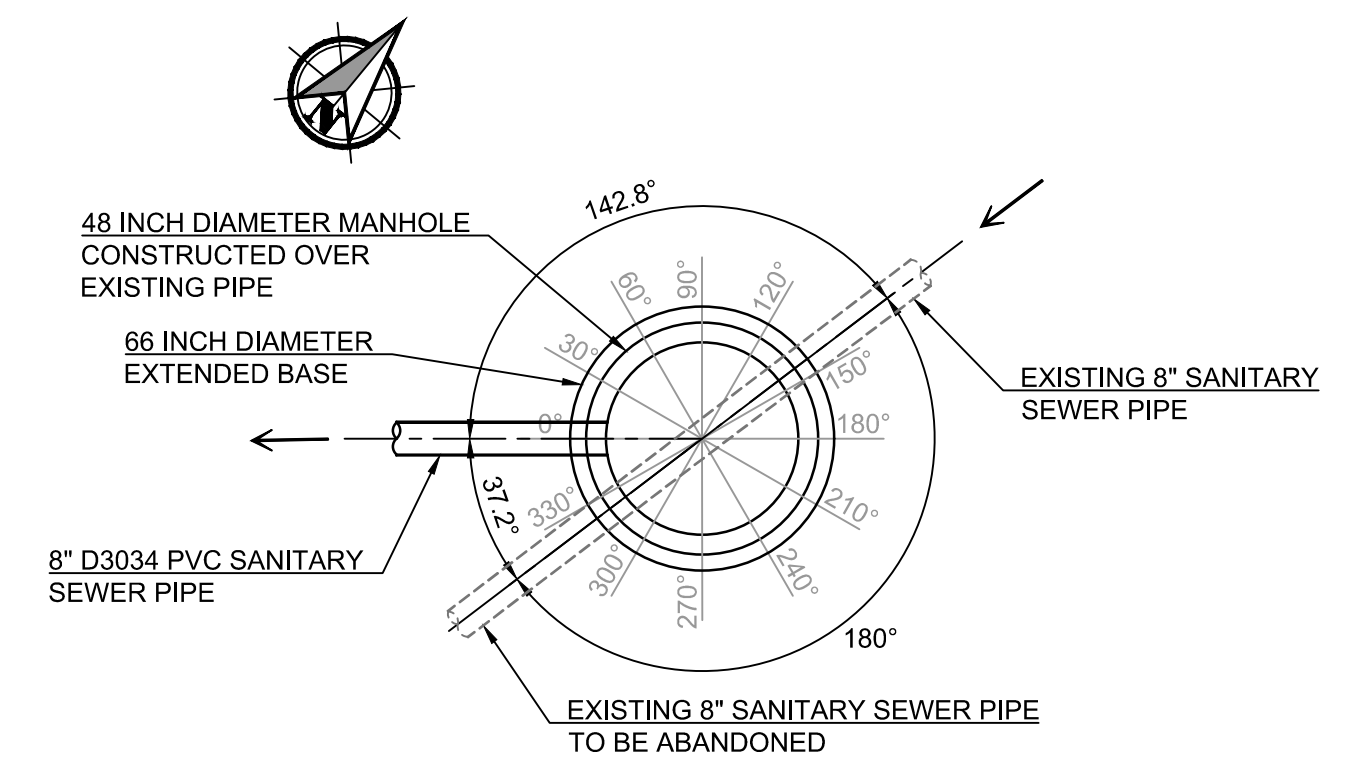
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SS MH 105-2

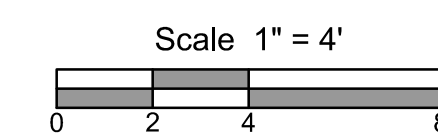


SS MH 106-1



SS MH 106-2

← FLOW DIRECTION IN MANHOLES



CITY OF WOODBURN PROJECT # 2021-006-28

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**C503**

SHEET **33** OF **44**

File Name: L:\Projects\742001\74203\74203-0001\Civil\CAD\Working\Sheets\74203-000-C502-C504.dwg  
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 Layout Tab: C504

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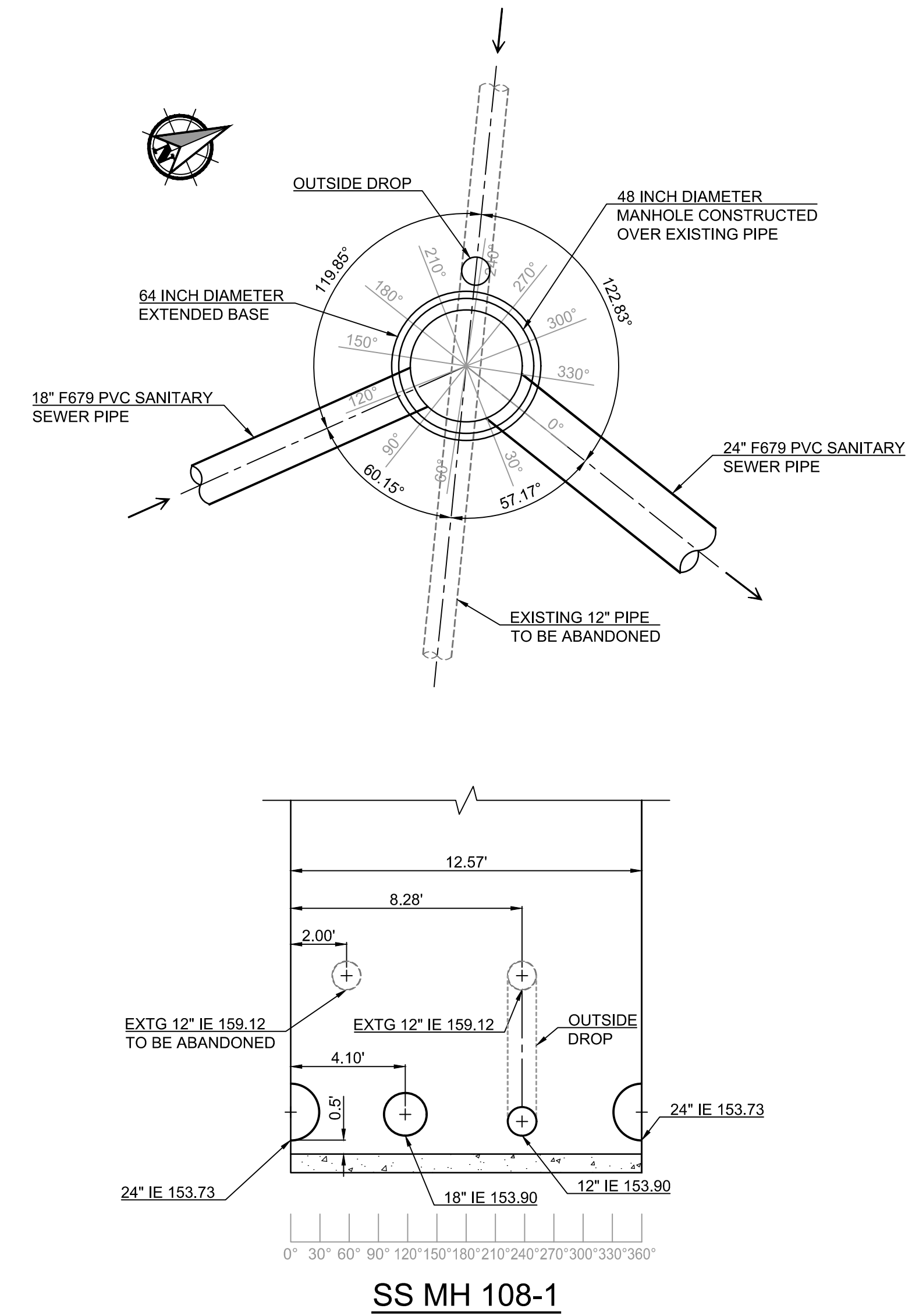
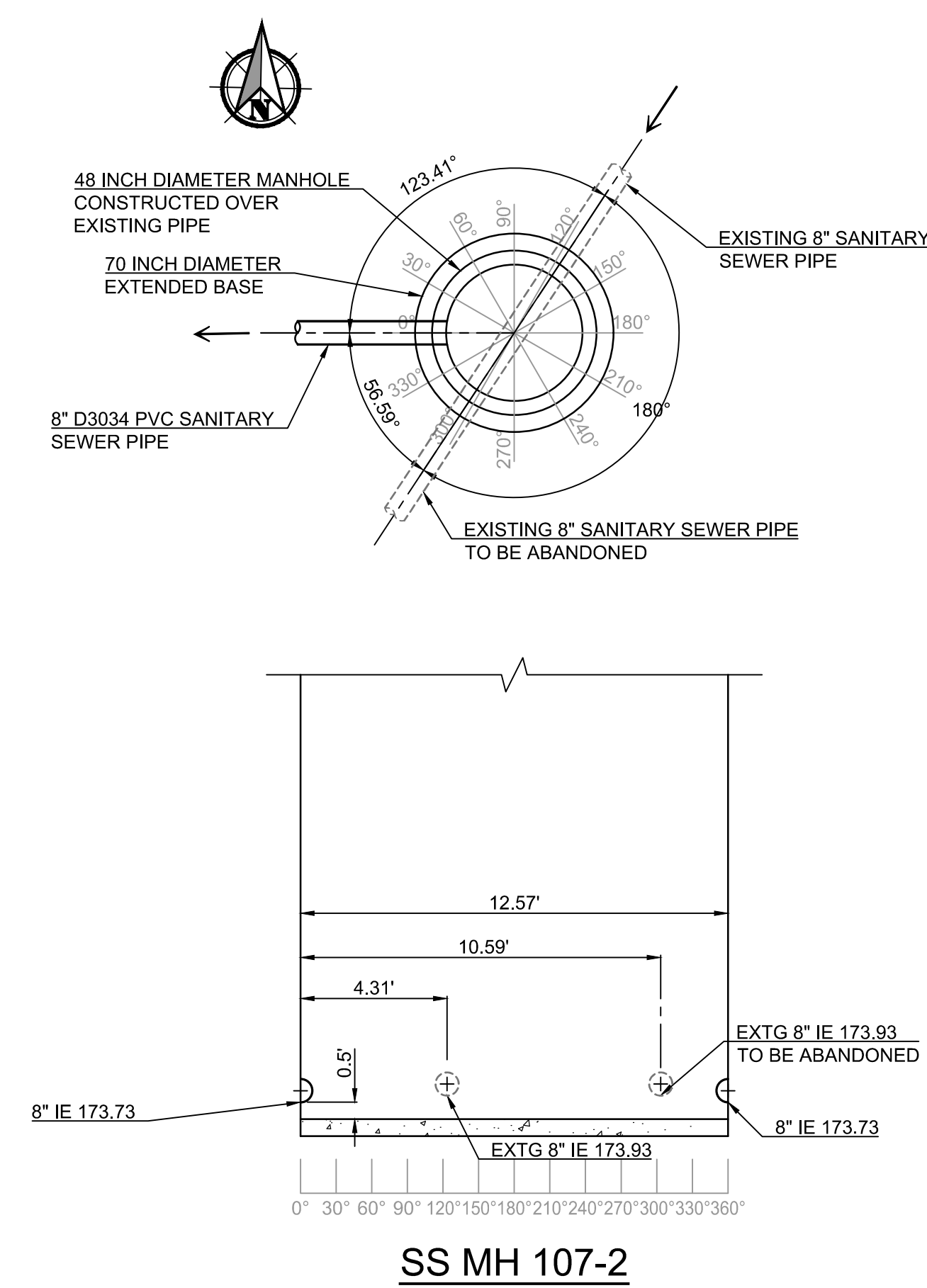
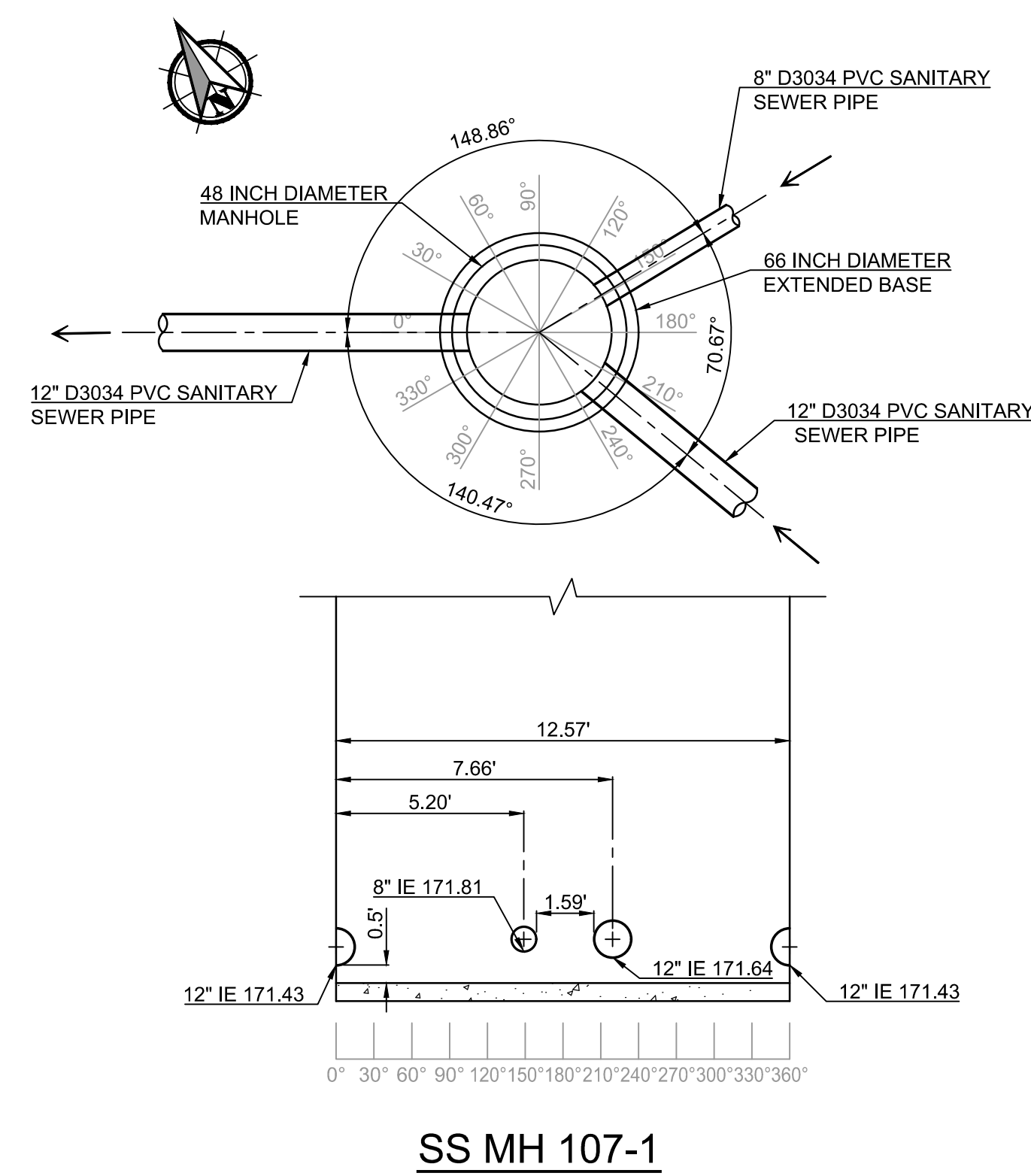
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SHEET 34 OF 44

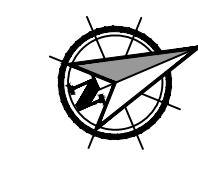
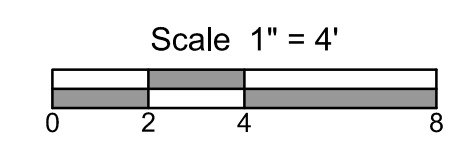


CITY OF WOODBURN PROJECT # 2021-006-28

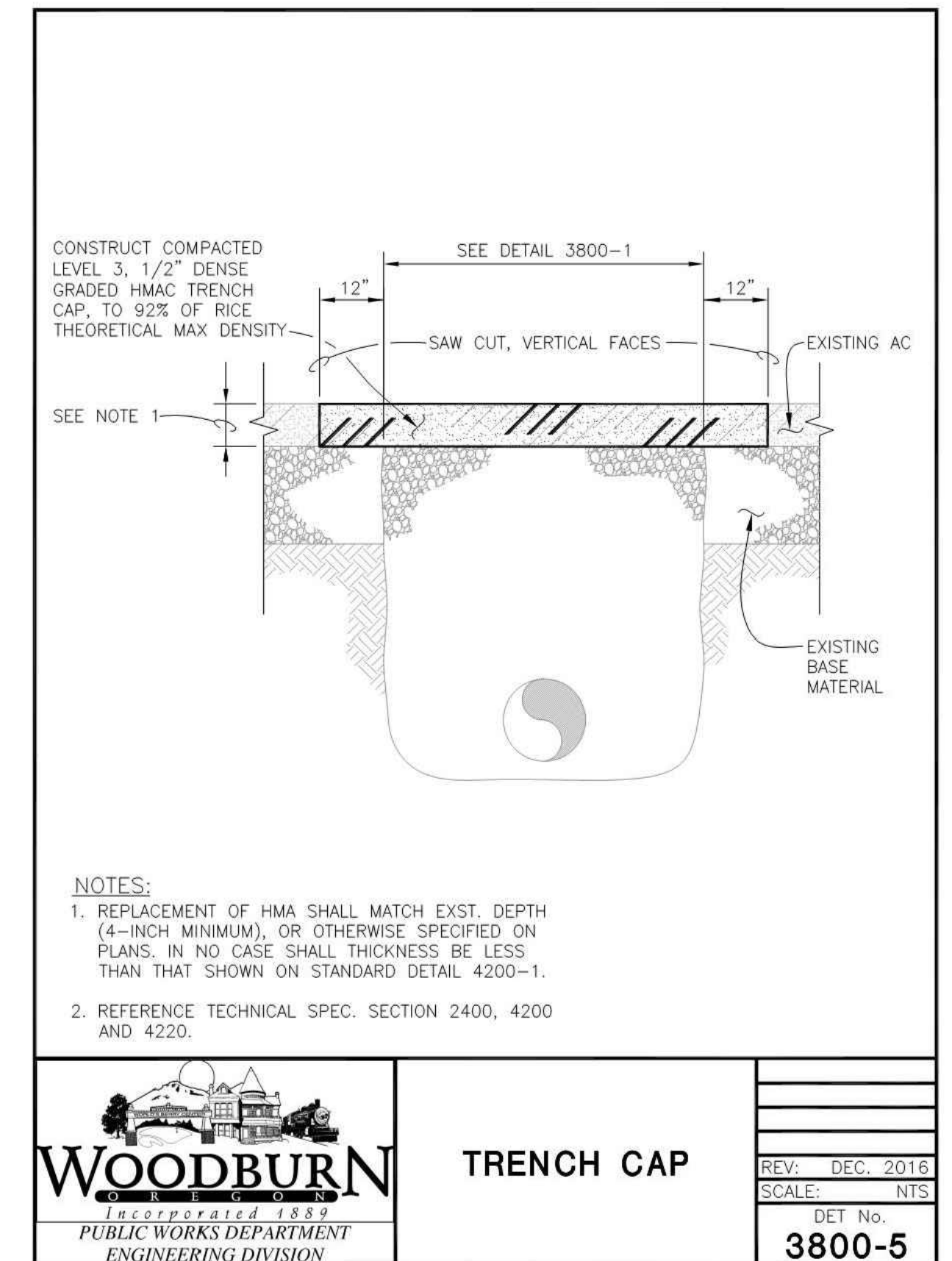
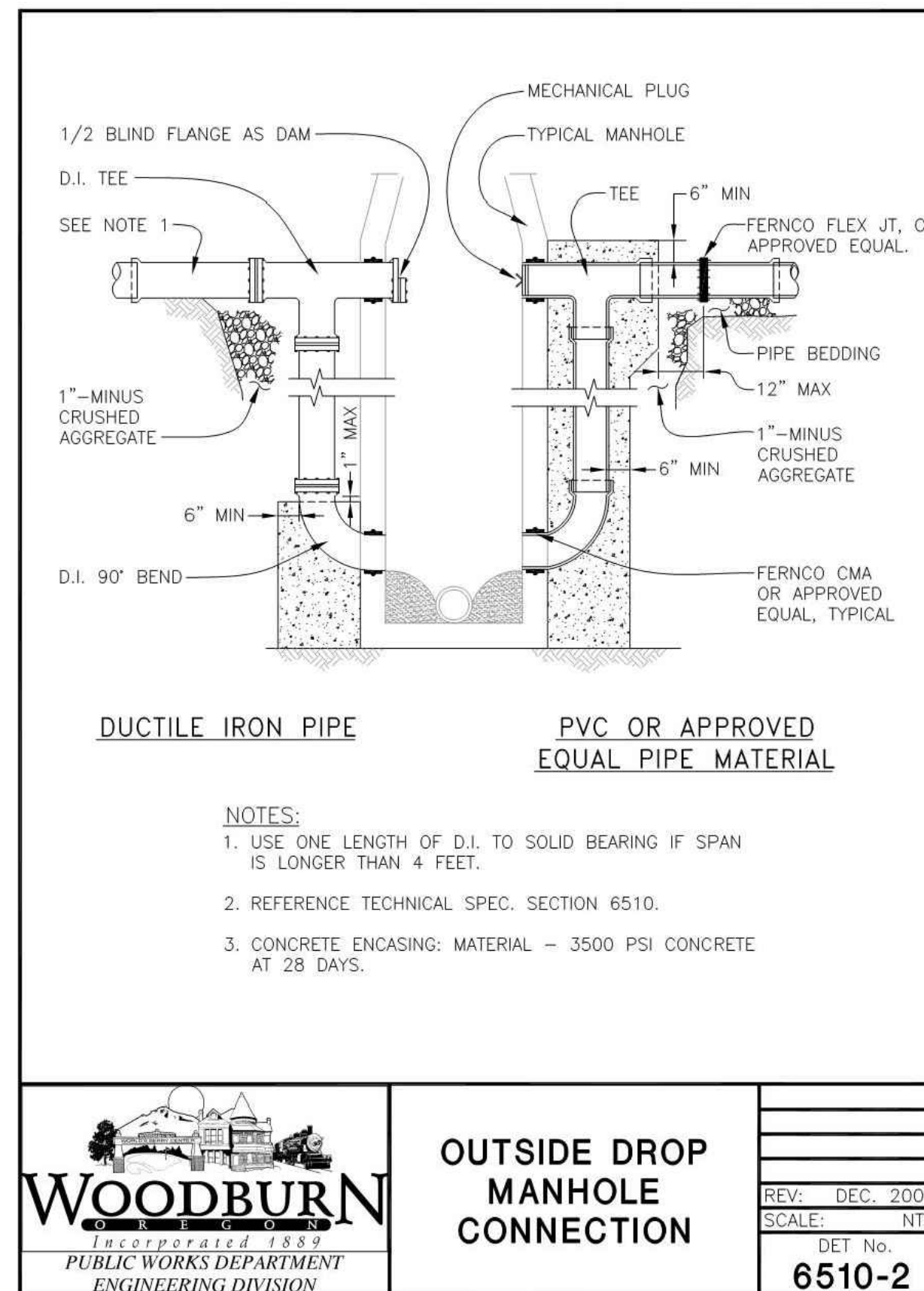
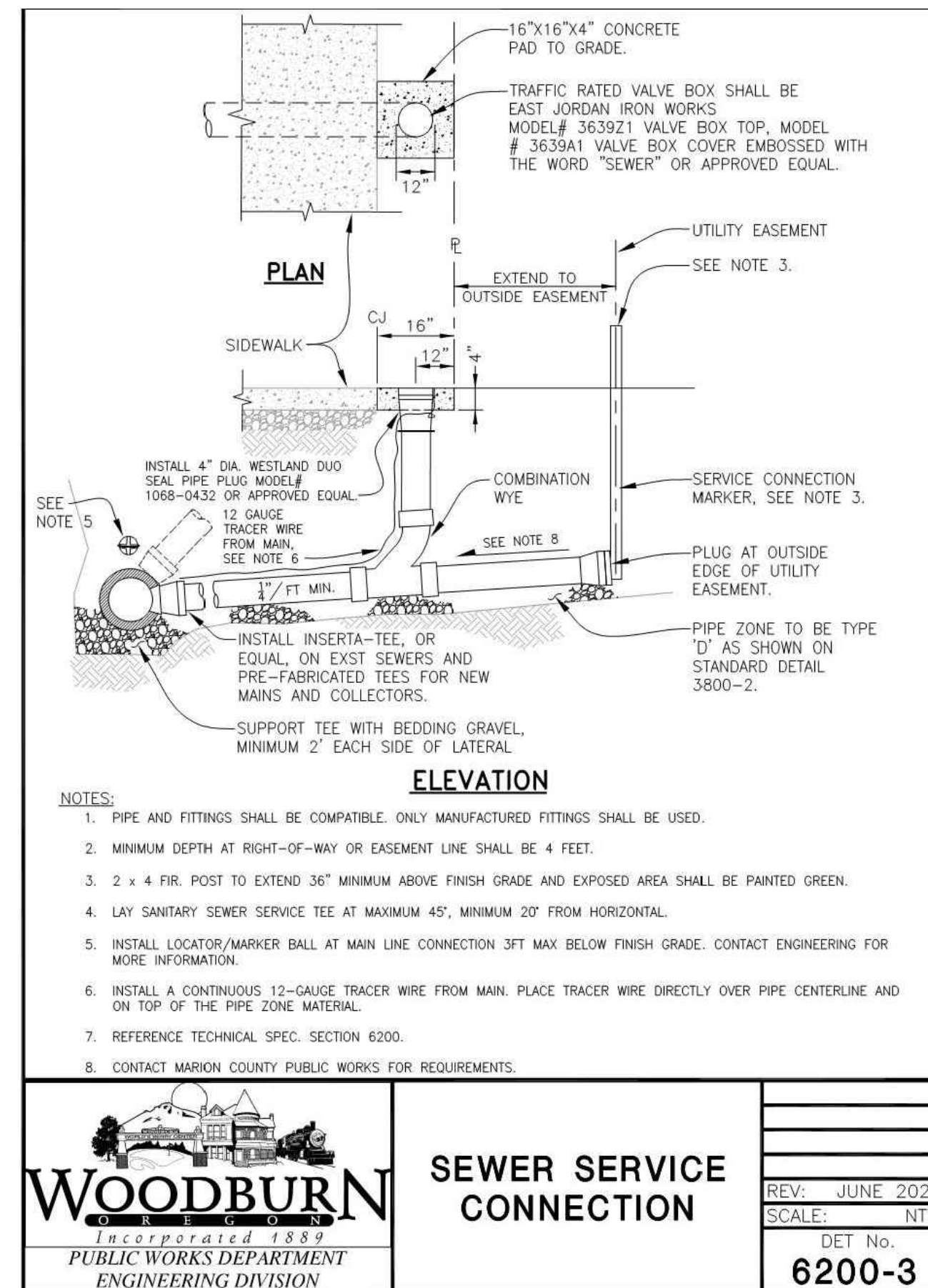
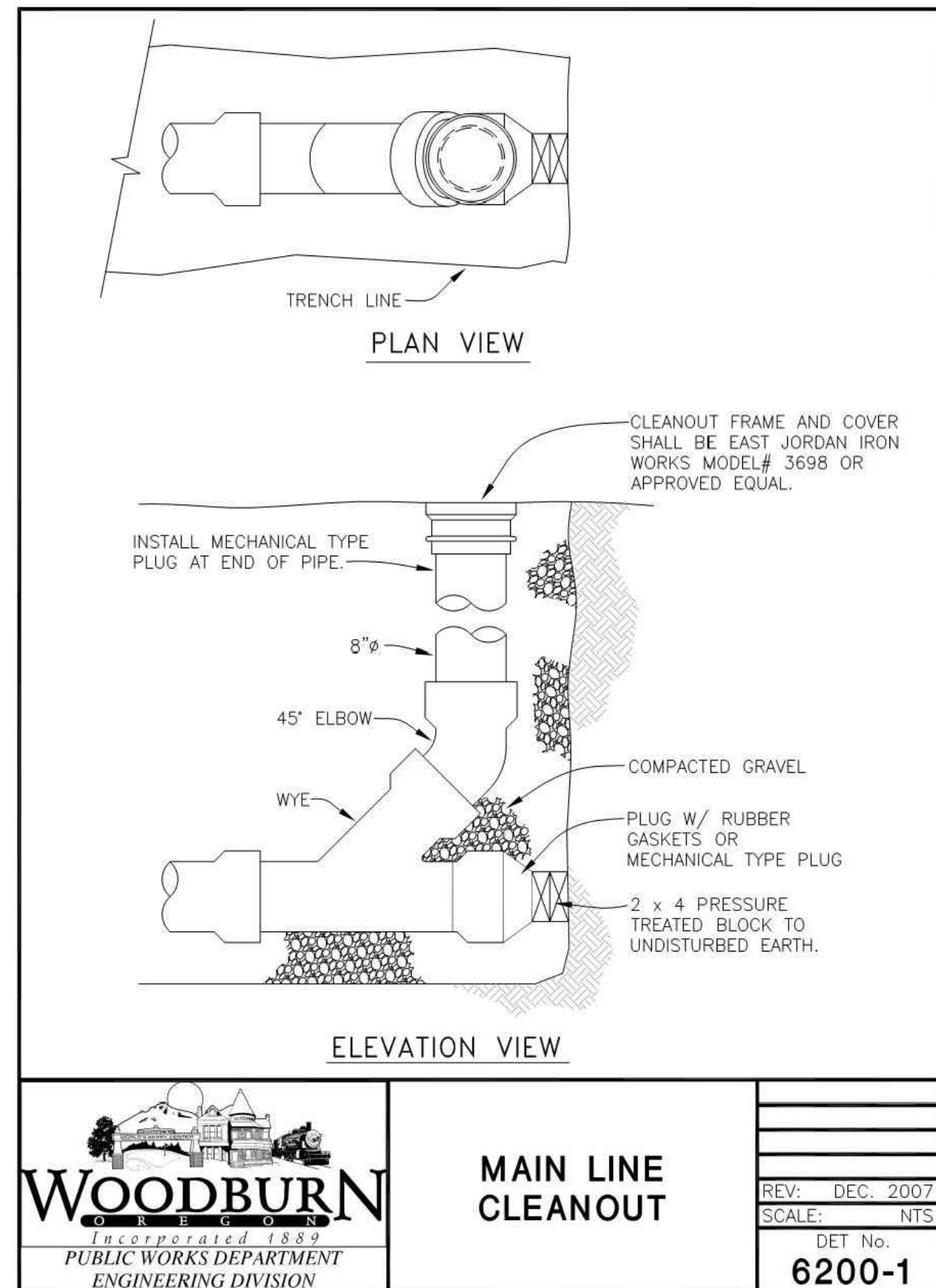
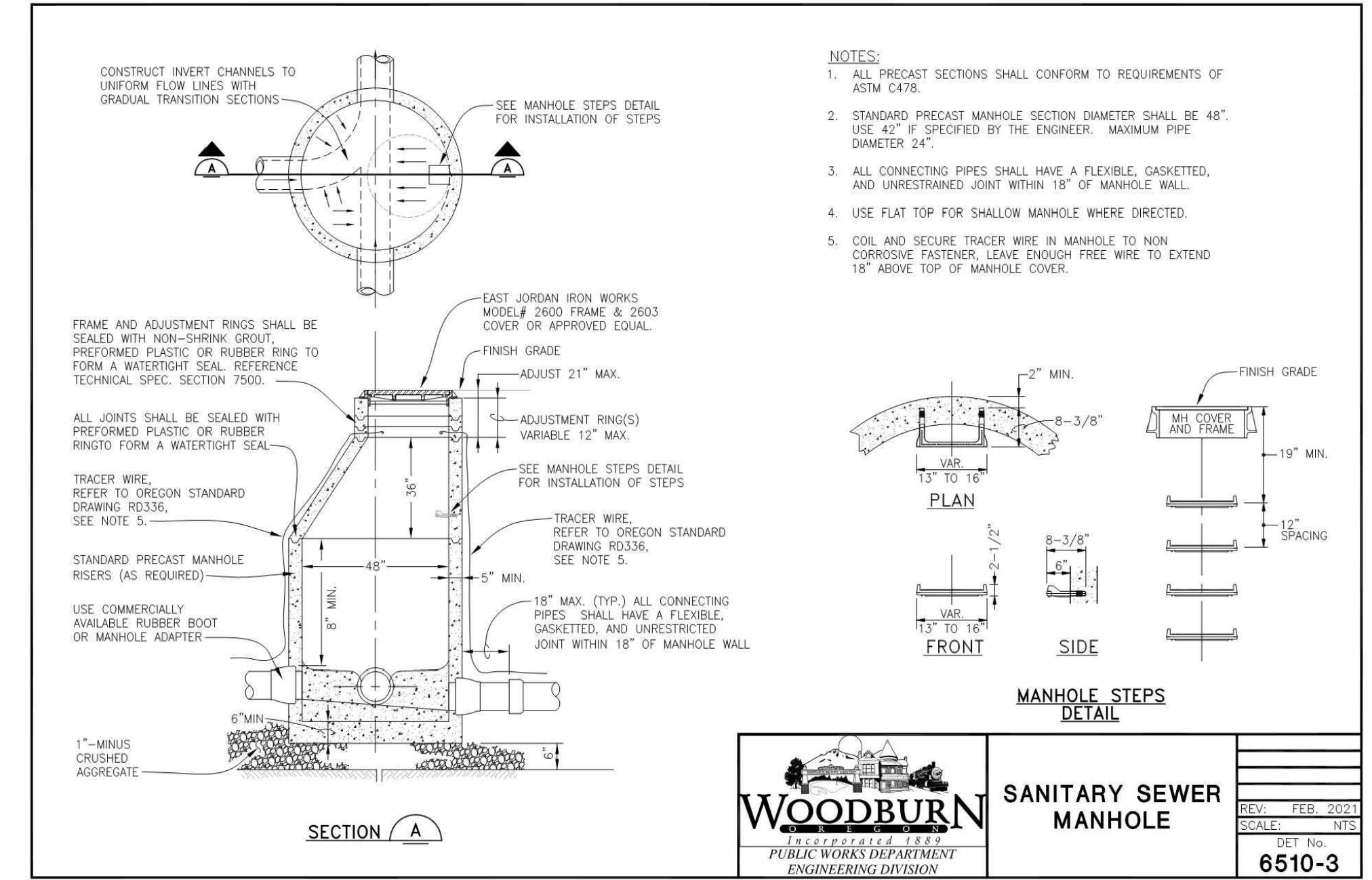
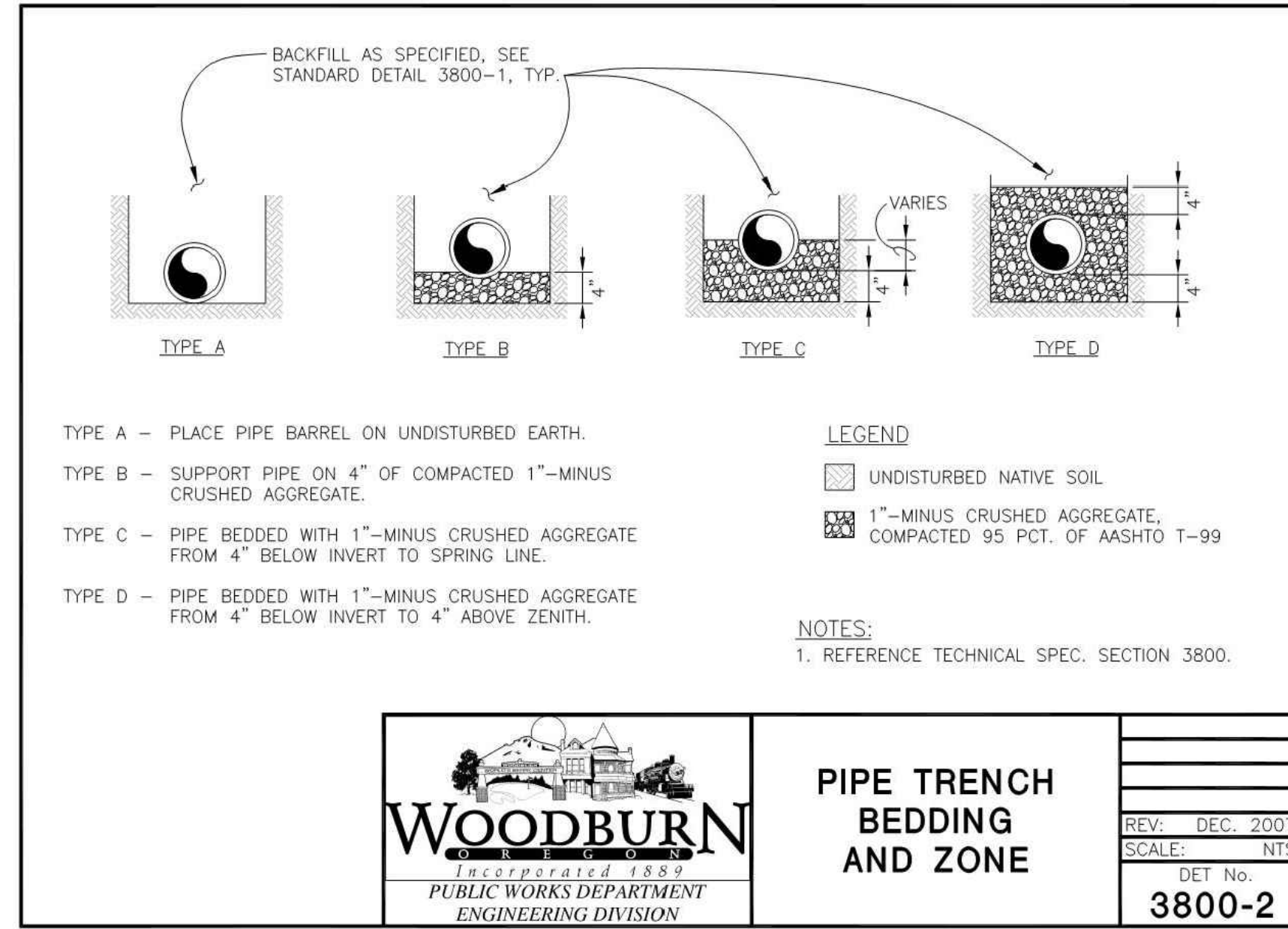
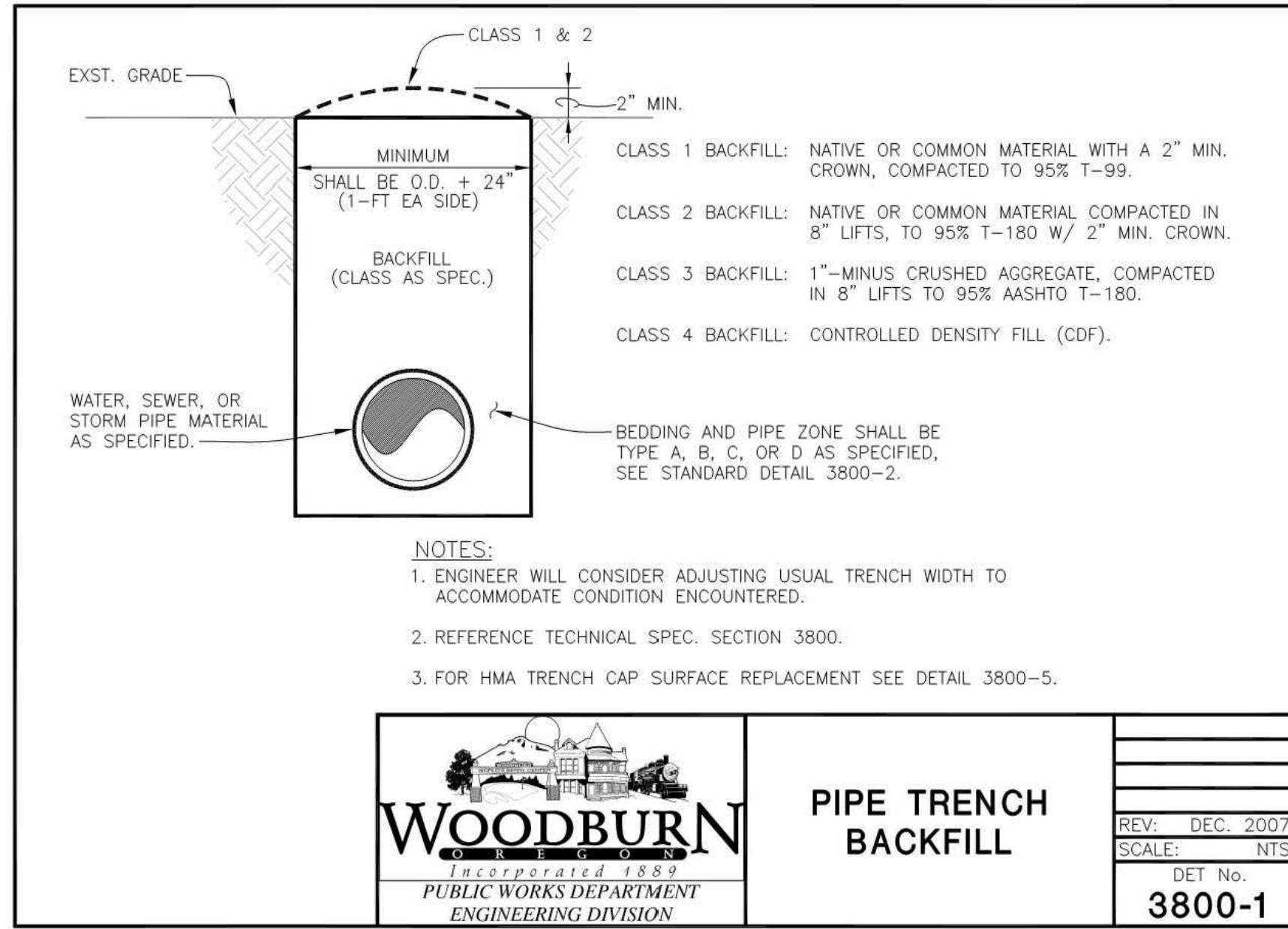
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← FLOW DIRECTION IN MANHOLES



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 Portland, OR 97239  
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**MISCELLANEOUS DETAILS FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON

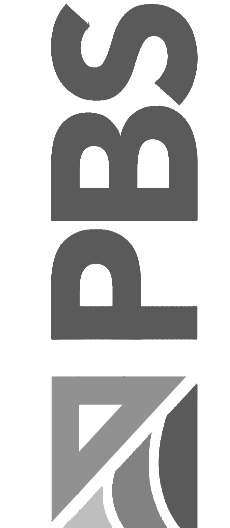


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CITY OF WOODBURN PROJECT # 2021-006-28

DESIGNED: DPS
CHECKED: RDB
MAY 20, 2022 74203.000
SHEET ID <b>C505</b>
SHEET <b>35</b> OF <b>44</b>



MISCELLANEOUS DETAILS FOR:  
**YOUNG STREET SANITARY SEWER**  
A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



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MAY 20, 2022 74203.000
SHEET ID <b>C506</b>
SHEET <b>36</b> OF <b>44</b>



CITY OF WOODBURN PROJECT # 2021-006-28

**TABLE**  
CONCRETE/AGGREGATE BASE THICKNESS AND REINFORCEMENT.

USE	CONC.	1"-MINUS CRUSHED AGGREGATE	REBAR
SINGLE FAMILY RESIDENTIAL	6"	4"	NONE
ALL OTHER	8"	6"	No.4 @ 12"O.C. EACH WAY

**DRIVEWAY APPROACH**  
REV: DEC. 2007  
SCALE: NTS  
DET No. 4100-5

**TYPE 'C' CURB AT DRIVEWAY**  
REV: DEC. 2007  
SCALE: NTS  
DET No. 4100-5

**TYPE 'C' CURB**  
REV: DEC. 2007  
SCALE: NTS  
DET No. 4100-2

**SIDEWALKS**  
REV: JULY 2018  
SCALE: NTS  
DET No. 4150-8

**PROPERTY LINE SIDEWALK AT DRIVEWAY**  
REV: JUNE 2018  
SCALE: NTS  
DET No. 4150-4

**CURBSIDE SIDEWALK AT DRIVEWAY**  
REV: MAY 2019  
SCALE: NTS  
DET No. 4150-3

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## DUST CONTROL NOTES

DUST SHALL BE MINIMIZED TO THE EXTENT PRACTICABLE, UTILIZING ALL MEASURES NECESSARY, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING BMPs:

1. SPRINKLING HAUL AND ACCESS ROADS AND OTHER EXPOSED DUST PRODUCING AREAS WITH WATER.
2. APPLICATION OF DUST PALLIATIVES ON ACCESS AND HAUL ROADS AS APPROVED BY THE DISTRICT.
3. ESTABLISHING TEMPORARY VEGETATIVE COVER.
4. PLACING WOOD CHIPS OR OTHER EFFECTIVE MULCHES ON VEHICLE AND PEDESTRIAN USE AREAS.
5. MAINTAINING THE PROPER MOISTURE CONDITION ON ALL FILL SURFACES.
6. PRE-WETTING CUT AND BORROW AREA SURFACES.
7. USE OF COVERED HAUL EQUIPMENT.

## PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES

1. PERIMETER CONTROLS, INLET PROTECTION AND REQUIRED BMP'S MUST BE IN PLACE PRIOR TO ANY DISTURBANCE OR POLLUTANT GENERATING ACTIVITIES, SUCH AS DEMOLITION, TREE REMOVAL, AND SAW-CUTTING
2. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
3. SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS CONSTRUCTED OUT OF MULCH, CHIPPINGS, OR OTHER SUITABLE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIALS.
4. SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
5. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
6. RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.
7. CONTRACTOR TO REFER TO THE NATIONAL WEATHER SERVICE WEBSITE (WATER.WEATHER.GOV) FOR DAILY PRECIPITATION INFORMATION. THE NEAREST RAIN GAUGE IS LOCATED AT THE PUDDING RIVER NEAR WOODBURN, OREGON. IF THE CONTRACTOR DEEMS IT NECESSARY TO HAVE A RAIN GAUGE ON SITE. THEY SHALL DO SO AT THEIR OWN EXPENSE.

## GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES

1. SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
  - A. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX.
  - B. DWARF GRASS MIX (MIN. 100 LB./AC.)
    - DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
    - CREEPING RED FESCUE (20% BY WEIGHT)
  - C. STANDARD HEIGHT GRASS MIX (MIN. 100LB./AC.)
    - ANNUAL RYEGRASS (40% BY WEIGHT)
    - TURF-TYPE FESCUE (60% BY WEIGHT)
2. SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
5. EXPOSED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
6. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
8. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
11. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
12. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
13. AVOID PAVING IN RAIN WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
14. USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
15. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

## EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION

1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. STOCK PILE AND STAGING AREAS SHALL BE MOVED AS NECESSARY TO ACCOMMODATE CONSTRUCTION ACTIVITIES.
3. EQUIPMENT MAINTENANCE, FUELING, PORTA-POTTY, AND SOLID WASTE STORAGE SHALL BE WITHIN THE STAGING AREA AND BE PROTECTED FROM DISCHARGING TO STORMWATER FACILITIES.
4. ALL "SEDIMENT BARRIERS (TO BE INSTALLED AFTER GRADING)" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
5. LONG TERM SLOPE STABILIZATION MEASURES, INCLUDING MATTING, SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
6. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
7. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

## POLLUTION PREVENTION CONTROLS

1. THE REGISTRANT MUST IMPLEMENT POLLUTION PREVENTION CONTROLS IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS TO PREVENT THE DISCHARGE OF POLLUTANTS TO STORMWATER AND TO PREVENT THE DISCHARGE OF POLLUTANTS FROM SPILLED OR LEAKED MATERIALS FROM CONSTRUCTION ACTIVITIES, SUCH AS BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, FUELS, LUBRICANTS, AND OTHER MATERIALS PRESENT. THE REGISTRANT MUST PROVIDE WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS AVAILABLE ON SITE, REGULARLY MAINTAINED VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES
2. GENERAL CONDITIONS:

PROVIDE AN EFFECTIVE MEANS OF ELIMINATING THE DISCHARGE OF ANY WASTE FROM ANY ACTIVITIES PERFORMED ON SITE BY IMPLEMENTING THE FOLLOWING:

  - LOCATE ACTIVITIES AWAY FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES SO THAT STORMWATER COMING INTO CONTACT WITH THESE ACTIVITIES CANNOT REACH WATERS OF THE STATE;
  - ENSURE ADEQUATE SUPPLIES ARE AVAILABLE AT ALL TIMES TO HANDLE SPILLS, LEAKS, AND DISPOSAL OF LIQUIDS, AND PROVIDE SECONDARY CONTAINMENT (E.G. SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETS);
  - HAVE A SPILL KIT AVAILABLE ON SITE AND ENSURE PERSONNEL ARE AVAILABLE TO RESPOND EXPEDITIOUSLY IN THE EVENT OF A LEAK OR SPILL;
  - CLEAN UP SPILLS OR CONTAMINATED SURFACES IMMEDIATELY USING DRY CLEAN UP MEASURES (DO NOT CLEAN CONTAMINATED SURFACES BY HOSING THE AREA DOWN), AND ELIMINATE THE SOURCE OF THE SPILL TO PREVENT A DISCHARGE OR A CONTINUATION OF AN ONGOING DISCHARGE; AND
  - STORE MATERIALS IN A COVERED AREA (E.G., PLASTIC SHEETING, TEMPORARY ROOFS), OR IN SECONDARY CONTAINMENT TO PREVENT THE EXPOSURE OF THESE CONTAINERS TO PRECIPITATION OR STORMWATER RUNOFF, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS.
3. EQUIPMENT AND VEHICLE FUELING AND MAINTENANCE:
  - USE DRIP PANS AND ABSORBENTS UNDER OR AROUND VEHICLES; AND
  - DISPOSE OF OR RECYCLE OIL AND OILY WASTES IN ACCORDANCE WITH OTHER FEDERAL, STATE, TRIBAL, OR LOCAL REQUIREMENTS.
4. EQUIPMENT AND VEHICLE WASHING:
  - ENSURE THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, OR DETERGENTS IN EQUIPMENT AND VEHICLE WASH WATER.
  - PREVENT THE DISCHARGE OF TURBID VEHICLE WASH WATER TO WATERS OF THE STATE OR CONVEYANCES THAT LEAD TO WATERS OF THE STATE.
5. BUILDING MATERIALS AND BUILDING PRODUCTS:
  - MINIMIZE MATERIAL EXPOSURE IN CASES WHERE THE EXPOSURE TO PRECIPITATION OR TO STORMWATER WILL RESULT IN A DISCHARGE OF POLLUTANTS (E.G. ELEVATE MATERIALS FROM SOIL TO PREVENT LEACHING OF POLLUTANTS).
6. PESTICIDES, HERBICIDES, INSECTICIDES, AND FERTILIZERS:

COMPLY WITH ALL APPLICATION AND DISPOSAL REQUIREMENTS INCLUDED ON THE REGISTERED PESTICIDE, HERBICIDE, INSECTICIDE, AND FERTILIZER LABEL (SEE ALSO HAZARDOUS AND TOXIC WASTES). WHEN APPLYING FERTILIZERS, REGISTRANTS MUST:

  - APPLY AT A RATE AND IN AMOUNTS CONSISTENT WITH MANUFACTURER'S SPECIFICATIONS;
  - APPLY AT THE APPROPRIATE TIME OF YEAR FOR THE LOCATION, AND PREFERABLY TIMED TO COINCIDE AS
  - CLOSELY AS POSSIBLE TO THE PERIOD OF MAXIMUM VEGETATION UPTAKE AND GROWTH;
  - AVOID APPLYING BEFORE HEAVY RAINS THAT COULD CAUSE EXCESS NUTRIENTS TO BE DISCHARGED;
  - NEVER APPLY TO FROZEN GROUND;
  - NEVER APPLY TO STORMWATER CONVEYANCE CHANNELS; AND
  - FOLLOW ALL OTHER FEDERAL, STATE, AND LOCAL REQUIREMENTS REGARDING FERTILIZER APPLICATION.
7. HAZARDOUS OR TOXIC WASTES:
  - SEPARATE HAZARDOUS OR TOXIC WASTE FROM CONSTRUCTION AND DOMESTIC WASTE;
  - STORE WASTE IN SEALED CONTAINERS, WHICH ARE CONSTRUCTED OF SUITABLE MATERIALS TO PREVENT LEAKAGE AND CORROSION, AND WHICH ARE CLEARLY LABELED WITH THEIR CONTENTS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, TRIBAL, OR LOCAL REQUIREMENTS;
  - STORE ALL OUTSIDE CONTAINERS WITHIN APPROPRIATELY-SIZED SECONDARY CONTAINMENT (E.G., SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETS) TO PREVENT SPILLS FROM BEING DISCHARGED, OR PROVIDE A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS (E.G., STORING CHEMICALS IN A COVERED AREA, HAVING A SPILL KIT AVAILABLE ON SITE); AND
  - DISPOSE OF HAZARDOUS OR TOXIC WASTE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED METHOD OF DISPOSAL AND IN COMPLIANCE WITH FEDERAL, STATE, TRIBAL, AND LOCAL REQUIREMENTS.

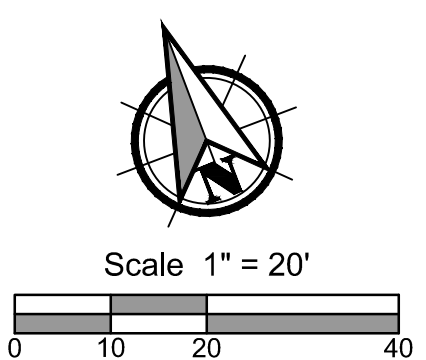
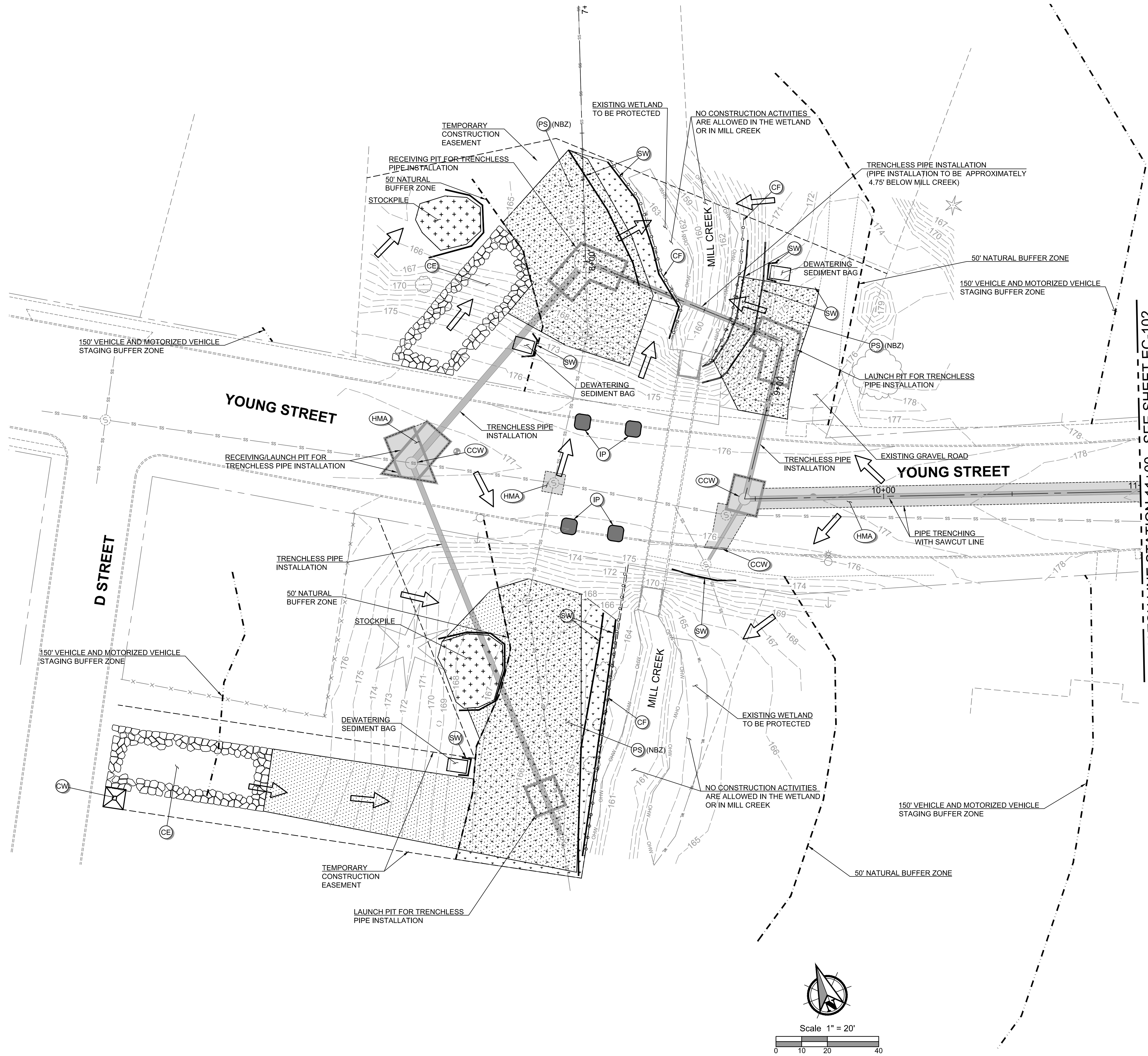
8. CONSTRUCTION AND DOMESTIC WASTES:
  - PROVIDE WASTE CONTAINERS (E.G., DUMPSTER, TRASH RECEPTACLE) THAT PROVIDE GROUND SEPARATION AND ARE OF SUFFICIENT SIZE AND NUMBER TO CONTAIN CONSTRUCTION AND DOMESTIC WASTES;
  - KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT);
  - CLEAN UP AND DISPOSE OF WASTE IN DESIGNATED WASTE CONTAINERS; AND
  - CLEAN UP IMMEDIATELY IF CONTAINERS OVERFLOW.
9. SANITARY WASTES:
  - POSITION PORTABLE TOILETS SO THAT THEY ARE SECURE AND WILL NOT BE TIPPED OR KNOCKED OVER, AND LOCATED AWAY FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES.
10. WASHING APPLICATORS AND CONTAINERS  
WASHING APPLICATORS AND CONTAINERS USED FOR STUCCO, PAINT, CONCRETE, FORM RELEASE OILS, CURING COMPOUNDS, OR OTHER MATERIALS:
  - NO DISCHARGE OF THESE LIQUID WASTES IS ALLOWED IN STORM SEWERS OR WATERS OF THE STATE;
  - DISPOSE OF LIQUID WASTES IN ACCORDANCE WITH APPLICABLE REQUIREMENTS;
  - REMOVE AND DISPOSE OF HARDENED CONCRETE WASTE CONSISTENT WITH THE HANDLING OF OTHER CONSTRUCTION WASTES; AND
  - LOCATE ANY WASHOUT OR CLEANOUT ACTIVITIES AS FAR AWAY AS POSSIBLE FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES, AND, TO THE EXTENT FEASIBLE, DESIGNATE AREAS TO BE USED FOR THESE ACTIVITIES WITH SIGNS AND IN THE ESCP AND CONDUCT SUCH ACTIVITIES ONLY IN THESE AREAS.
11. EMERGENCY SPILL NOTIFICATION REQUIREMENTS:
  - DISCHARGES OF TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE ARE PROHIBITED, CONSISTENT WITH SECTION 1.5. WHERE A LEAK, SPILL, OR OTHER RELEASE CONTAINING A HAZARDOUS SUBSTANCE OR OIL OCCURS DURING A 24-HOUR PERIOD, THE REGISTRANT MUST NOTIFY THE OREGON EMERGENCY RESPONSE SYSTEM AT (800) 452-0311 AS SOON AS THE REGISTRANT HAS KNOWLEDGE OF THE RELEASE. CONTACT INFORMATION MUST BE IN LOCATIONS THAT ARE READILY ACCESSIBLE AND AVAILABLE TO ALL EMPLOYEES.

## CONSTRUCTION DEWATERING REQUIREMENTS

1. THIS SECTION PERTAINS TO ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES, NOT FOR THE LOWERING OF CONTAMINATED GROUNDWATER (SEE SECTION 1.2.9). REGISTRANT MUST COMPLY WITH THE FOLLOWING REQUIREMENTS TO PREVENT THE DISCHARGE OF POLLUTANTS IN GROUNDWATER OR ACCUMULATED STORMWATER THAT IS REMOVED FROM EXCAVATIONS, TRENCHES, FOUNDATIONS, VAULTS, OR OTHER SIMILAR POINTS OF ACCUMULATION, IN ACCORDANCE WITH SECTION 1.5.
  - TO THE EXTENT FEASIBLE, USE VEGETATED, UPLAND AREAS OF THE SITE TO INFILTRATE DEWATERING WATER BEFORE DISCHARGE. THE REGISTRANT IS PROHIBITED FROM USING WATERS OF THE STATE AS PART OF THE TREATMENT AREA;
  - IMPLEMENT THE APPROPRIATE CONTROL MEASURES FOR DEWATERING DISCHARGES TO PREVENT THE DISCHARGE OF POLLUTANTS;
  - DO NOT DISCHARGE VISIBLE FLOATING SOLIDS OR FOAM;
  - USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE (SUCH AS A CARTRIDGE FILTER) THAT IS DESIGNED TO REMOVE OIL, GREASE, OR OTHER PRODUCTS IF DEWATERING WATER IS FOUND TO CONTAIN THESE MATERIALS;
  - AT ALL POINTS WHERE DEWATERING WATER IS DISCHARGED, COMPLY WITH THE VELOCITY DISSIPATION REQUIREMENTS OF SECTION 2.2.16;
  - WITH BACKWASH WATER, EITHER HAUL IT AWAY FOR DISPOSAL OR RETURN IT TO THE BEGINNING OF THE TREATMENT PROCESS;
  - REPLACE AND CLEAN THE FILTER MEDIA USED IN DEWATERING DEVICES WHEN THE PRESSURE DIFFERENTIAL EQUALS OR EXCEEDS THE MANUFACTURER'S SPECIFICATIONS;
  - IF THERE IS NO ALTERNATIVE OPTION, THE USE OF A SANITARY OR COMBINED SEWER DISCHARGE IS AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL; AND
  - ACTIVE TREATMENT SYSTEMS FOR TURBIDITY OR ANY OTHER POLLUTANTS MUST BE DESIGNED AND STAMPED BY AN OREGON REGISTERED PROFESSIONAL ENGINEER



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### PAVING & UTILITIES EROSION CONTROL PLAN NOTES

- ALL BARE SOIL MUST BE PROTECTED AGAINST RAIN USING STRAW COVER, BIO-BAGS, AND/OR ANY OTHER RELEVANT MEANS. THE INSTALLATION OF EROSION PROTECTION MATERIALS IS CRITICAL TO PREVENTING THE EROSION OF LOOSE SOILS, WHICH COULD, IF UNPROTECTED, BE ACCIDENTALLY WASHED OVER THE RIM EDGE. WE RECOMMEND A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD BE AVAILABLE FOR FIELD INSPECTION OF SUCH CONDITIONS AND CORRECTIVE CONSTRUCTION ACTIVITIES.
- DEWATERING SHALL BE DISCHARGED THROUGH A FILTER BAG.
- EXCAVATED MATERIAL NOT USED FOR FILL OPERATIONS SHALL BE HAULED OFF-SITE AND LEGALLY DISPOSED OF.
- TOTAL SITE AREA = 0.97 ACRES  
TOTAL DISTURBED AREA = 0.97 ACRES

### PAVING & UTILITIES EROSION CONTROL PLAN LEGEND

	EXISTING CONTOUR
	CONSTRUCTION ENTRANCE TYPE 1 (50' LONG x 20' WIDE) PER ODOT STD. DRAWING RD 1000. SEE DETAIL, SHEET EC-105.
	INLET PROTECTION TYPE 3 PER ODOT STD. DRAWING RD 1010. SEE DETAIL, SHEET EC-105.
	ORANGE CONSTRUCTION FENCE. (WORK ZONE FENCING PER SECTION 00221.13 OF THE OPL)
	WATTLE/FIBER ROLL CHECK DAM TYPE 2 PER ODOT STD. DRAWING RD 1006. SEE DETAIL, SHEET EC-105.
	CONCRETE WASH-OUT. SEE DETAILS ON SHEET EC-106
	PERMANENT SEEDING IN NATURAL BUFFER ZONE PER GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES 1.B ON SHEET EC-002.
	PERMANENT SEEDING OUTSIDE NATURAL BUFFER ZONE TO MATCH EXISTING VEGETATION
	EQUIPMENT ACCESS PADDING - PRESERVE EXISTING VEGETATION IN NATURAL BUFFER ZONES TO THE FURTHEST EXTENT FEASIBLE (PERMANENT SEEDING SHALL BE APPLIED TO THESE AREAS AFTER IMPACTS)
	STOCKPILE AREA FOR SOILS OR MATERIALS - SEE PLASTIC SHEETING DETAIL ON SHEET EC-105.
	DEWATERING SEDIMENT BAG. SEE SEE DETAILS ON SHEET EC-105
	SAWCUT
	EXISTING FLOW ARROW
	50' NATURAL BUFFER ZONE - ADDITIONAL EROSION CONTROL BMP'S REQUIRED WHEN WORKING IN THIS AREA
	150' VEHICLE AND MOTORIZED VEHICLE STAGING BUFFER ZONE - NO VEHICLE AND MOTORIZED EQUIPMENT STAGING IN THIS AREA UNLESS APPROVED BY DEQ
	CONCRETE WORK - POLLUTION GENERATING ACTIVITY (MANHOLES, CURB, SIDEWALK AND DRIVEWAYS).
	ROADWAY RESURFACING - POLLUTION GENERATING ACTIVITY (PAVING).

- NOTE:
- IF A SPILL OCCURS ON THE PROJECT, SEE NOTES ON SHEET EC-002 FOR REQUIREMENTS.
  - IF ADDITIONAL STOCKPILE OR STAGING AREA IS NEEDED CONTRACTOR IS RESPONSIBLE TO SETUP WITH PROPERTY OWNER. THE 1200-C PERMIT IS REQUIRED TO BE UPDATED AND ALL REQUIREMENTS OF THE PERMIT APPLY TO THE STOCKPILE/STAGING AREA.

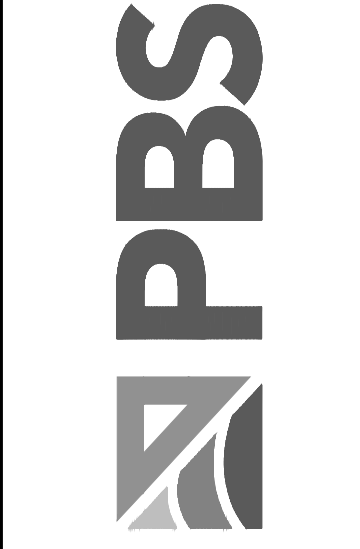
**UTILITY & ROADWAY EROSION CONTROL PLAN FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



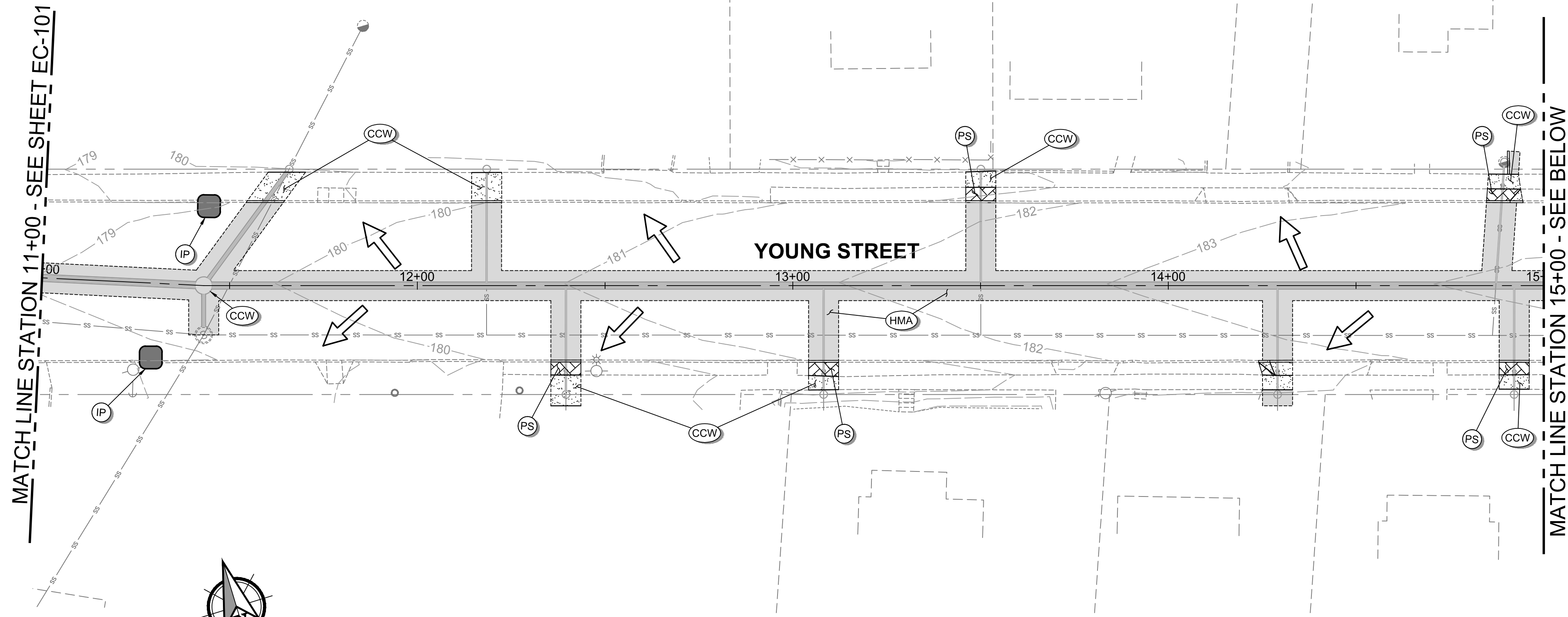
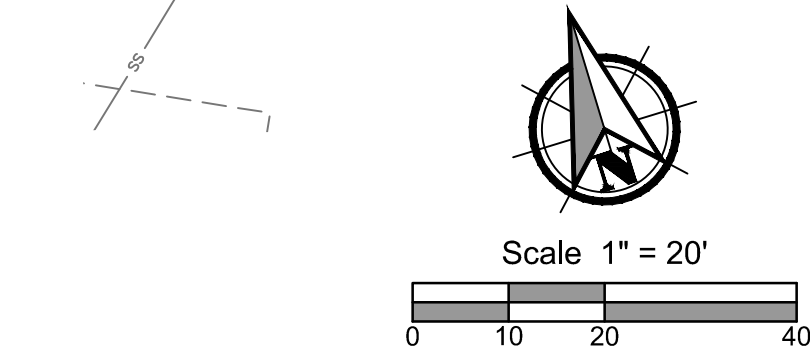
DESIGNED: DPS
CHECKED: ---
APRIL 2022 74203.000

SHEET ID  
**EC-101**

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 Portland, OR 97239  
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MATCH LINE STATION 11+00 - SEE SHEET EC-101



**PAVING & UTILITIES EROSION CONTROL PLAN NOTES**

1. ALL BARE SOIL MUST BE PROTECTED AGAINST RAIN USING STRAW COVER, BIO-BAGS, AND/OR ANY OTHER RELEVANT MEANS. THE INSTALLATION OF EROSION PROTECTION MATERIALS IS CRITICAL TO PREVENTING THE EROSION OF LOOSE SOILS, WHICH COULD, IF UNPROTECTED, BE ACCIDENTALLY WASHED OVER THE RIM EDGE. WE RECOMMEND A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD BE AVAILABLE FOR FIELD INSPECTION OF SUCH CONDITIONS AND CORRECTIVE CONSTRUCTION ACTIVITIES.
2. DEWATERING SHALL BE DISCHARGED THROUGH A FILTER BAG.
3. EXCAVATED MATERIAL NOT USED FOR FILL OPERATIONS SHALL BE HAULED OFFSITE AND LEGALLY DISPOSED OF.
4. TOTAL SITE AREA = 0.97 ACRES  
TOTAL DISTURBED AREA = 0.97 ACRES

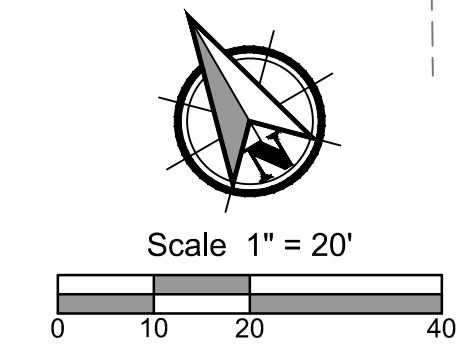
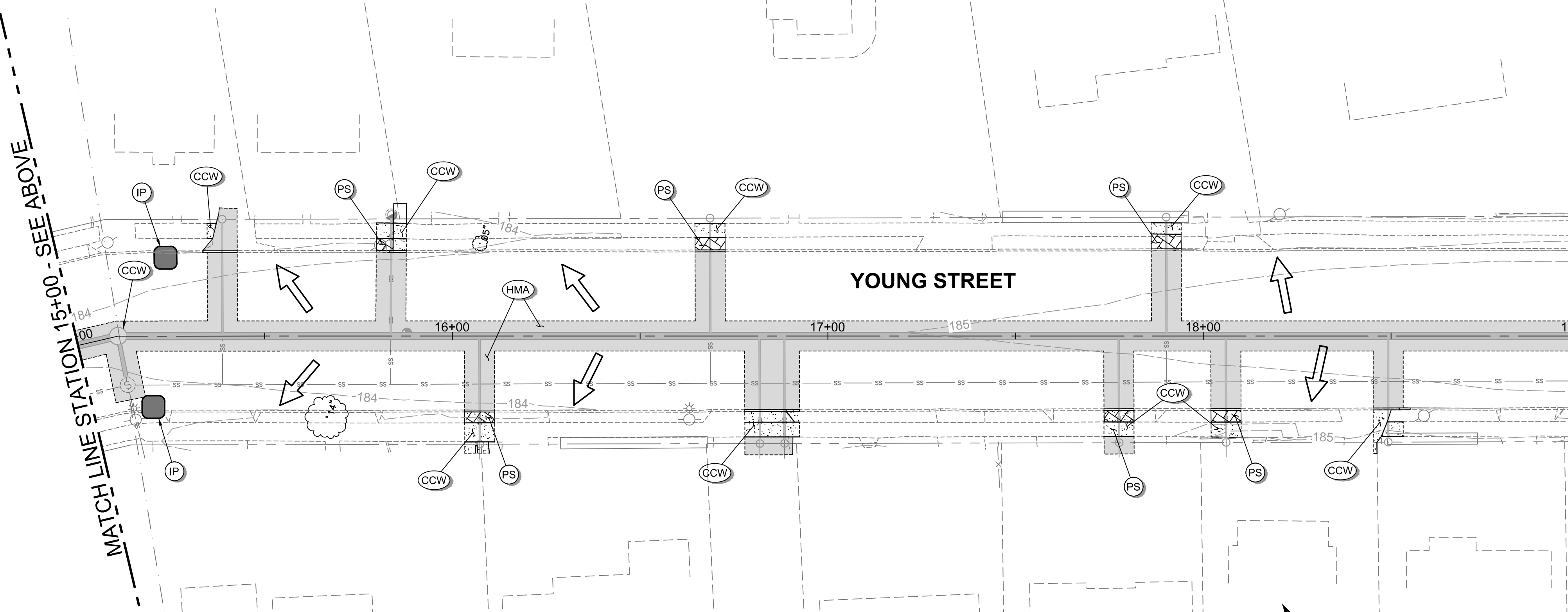
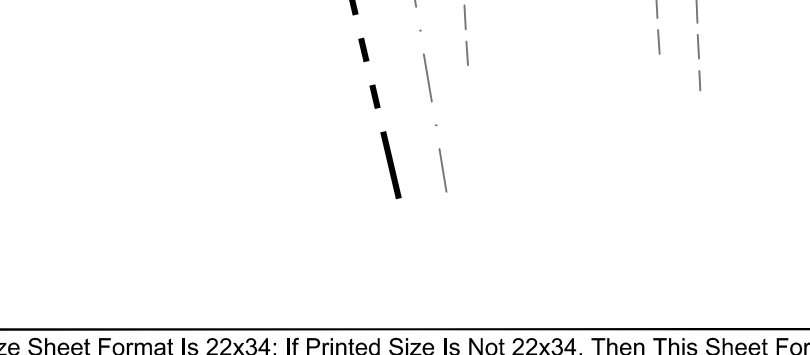
**PAVING & UTILITIES EROSION CONTROL PLAN LEGEND**

- 200 — EXISTING CONTOUR
- CONSTRUCTION ENTRANCE TYPE 1 (50' LONG x 20' WIDE) PER ODOT STD. DRAWING RD 1000. SEE DETAIL, SHEET EC-105.
- INLET PROTECTION TYPE 3 PER ODOT STD. DRAWING RD 1010. SEE DETAIL, SHEET EC-105.
- ORANGE CONSTRUCTION FENCE. (WORK ZONE FENCING PER SECTION 00221.13 OF THE QPL)
- WATTLE/FIBER ROLL CHECK DAM TYPE 2 PER ODOT STD. DRAWING RD 1006. SEE DETAIL, SHEET EC-105.
- CONCRETE WASH-OUT. SEE DETAILS ON SHEET EC-106
- PERMANENT SEEDING IN NATURAL BUFFER ZONE PER GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES 1.B ON SHEET EC-002.
- PERMANENT SEEDING OUTSIDE NATURAL BUFFER ZONE TO MATCH EXISTING VEGETATION
- EQUIPMENT ACCESS PADDING - PRESERVE EXISTING VEGETATION IN NATURAL BUFFER ZONES TO THE FURTHEST EXTENT FEASIBLE (PERMANENT SEEDING SHALL BE APPLIED TO THESE AREAS AFTER IMPACTS)
- STOCKPILE AREA FOR SOILS OR MATERIALS - SEE PLASTIC SHEETING DETAIL ON SHEET EC-105.
- DEWATERING SEDIMENT BAG. SEE SEE DETAILS ON SHEET EC-105
- SAWCUT
- EXISTING FLOW ARROW
- 50' NATURAL BUFFER ZONE - ADDITIONAL EROSION CONTROL BMP'S REQUIRED WHEN WORKING IN THIS AREA
- 150' VEHICLE AND MOTORIZED VEHICLE STAGING BUFFER ZONE - NO VEHICLE AND MOTORIZED EQUIPMENT STAGING IN THIS AREA UNLESS APPROVED BY DEQ
- CONCRETE WORK - POLLUTION GENERATING ACTIVITY (MANHOLES, CURB, SIDEWALK AND DRIVEWAYS).
- ROADWAY RESURFACING - POLLUTION GENERATING ACTIVITY (PAVING).

NOTE:

1. IF A SPILL OCCURS ON THE PROJECT, SEE NOTES ON SHEET EC-002 FOR REQUIREMENTS.
2. IF ADDITIONAL STOCKPILE OR STAGING AREA IS NEEDED CONTRACTOR IS RESPONSIBLE TO SETUP WITH PROPERTY OWNER. THE 1200-C PERMIT IS REQUIRED TO BE UPDATED AND ALL REQUIREMENTS OF THE PERMIT APPLY TO THE STOCKPILE/STAGING AREA.

MATCH LINE STATION 15+00 - SEE ABOVE



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Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

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**UTILITY & ROADWAY EROSION CONTROL PLAN FOR:**  
**YOUNG STREET SANITARY SEWER**  
**A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON**



EXPIRES: 12/31/2023

DESIGNED: DPS

CHECKED: —

APRIL 2022  
74203.000

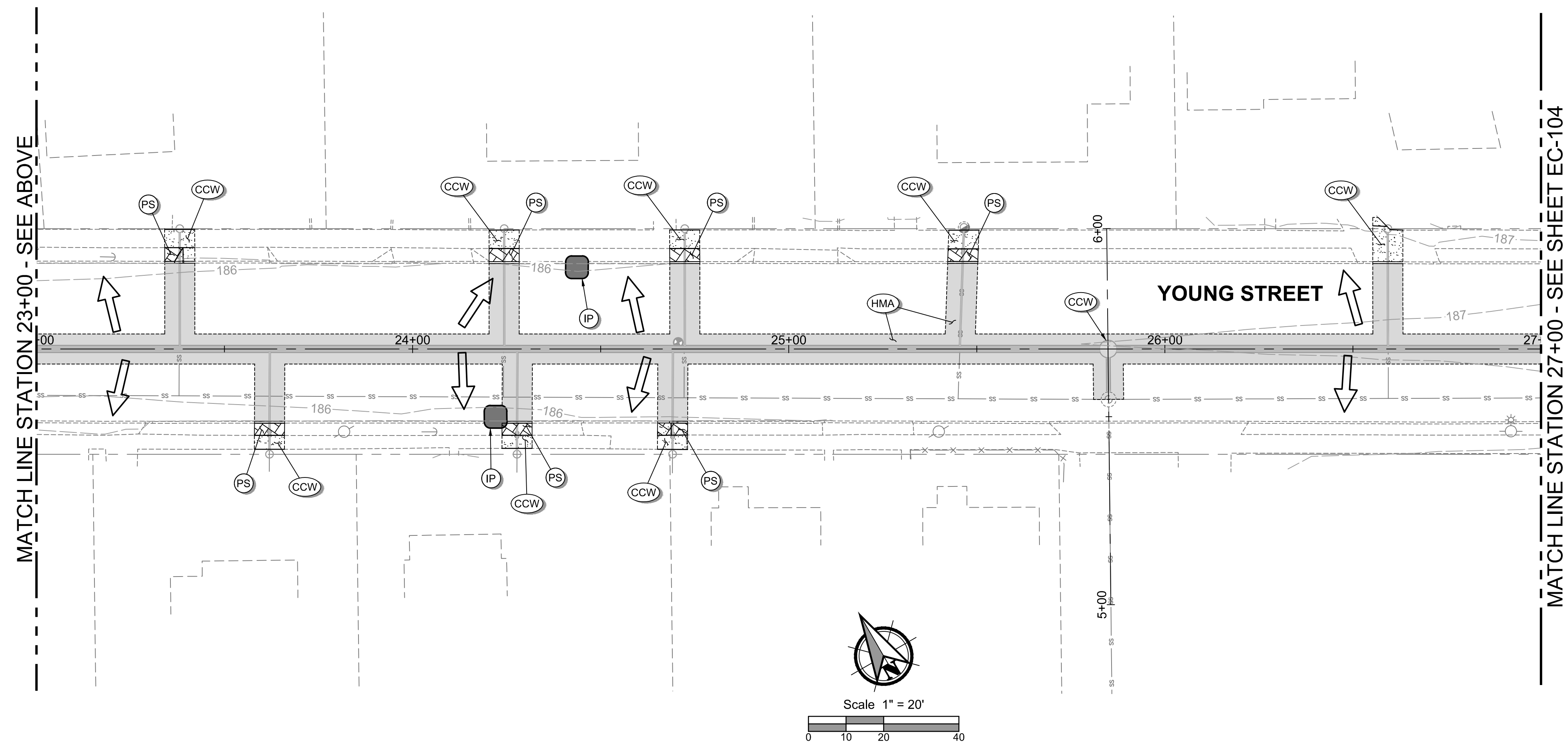
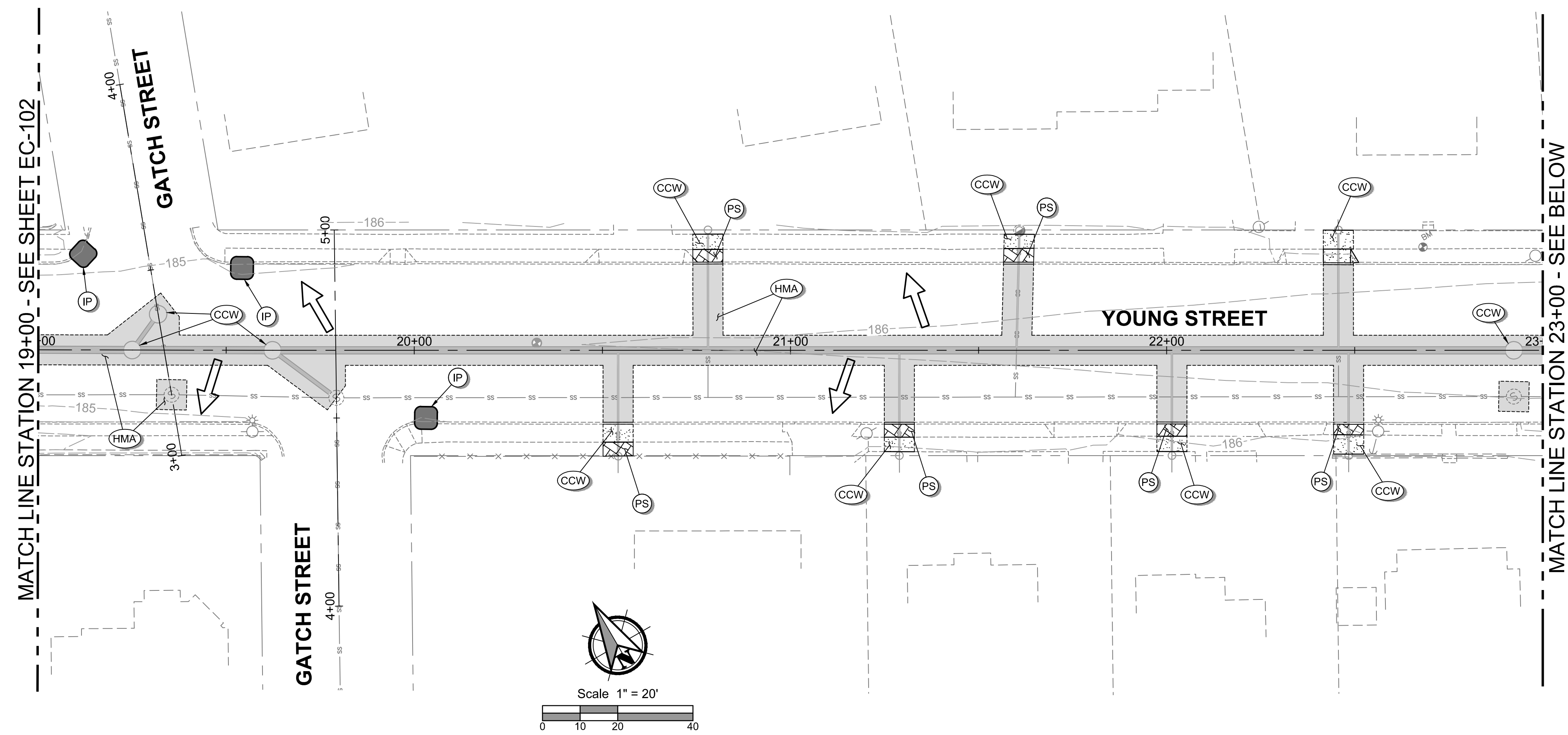
SHEET ID

**EC-102**

SHEET 37 OF 41



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**PAVING & UTILITIES EROSION CONTROL PLAN NOTES**

1. ALL BARE SOIL MUST BE PROTECTED AGAINST RAIN USING STRAW COVER, BIO-BAGS, AND/OR ANY OTHER RELEVANT MEANS. THE INSTALLATION OF EROSION PROTECTION MATERIALS IS CRITICAL TO PREVENTING THE EROSION OF LOOSE SOILS, WHICH COULD, IF UNPROTECTED, BE ACCIDENTALLY WASHED OVER THE RIM EDGE. WE RECOMMEND A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD BE AVAILABLE FOR FIELD INSPECTION OF SUCH CONDITIONS AND CORRECTIVE CONSTRUCTION ACTIVITIES.
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4. TOTAL SITE AREA = 0.97 ACRES  
TOTAL DISTURBED AREA = 0.97 ACRES

**PAVING & UTILITIES EROSION CONTROL PLAN LEGEND**

- 200 — EXISTING CONTOUR
- CE CONSTRUCTION ENTRANCE TYPE 1 (50' LONG x 20' WIDE) PER ODOT STD. DRAWING RD 1000. SEE DETAIL, SHEET EC-105.
- IP INLET PROTECTION TYPE 3 PER ODOT STD. DRAWING RD 1010. SEE DETAIL, SHEET EC-105.
- CF ORANGE CONSTRUCTION FENCE. (WORK ZONE FENCING PER SECTION 00221.13 OF THE QPL)
- SW WATTLE/FIBER ROLL CHECK DAM TYPE 2 PER ODOT STD. DRAWING RD 1006. SEE DETAIL, SHEET EC-105.
- CCW CONCRETE WASH-OUT. SEE DETAILS ON SHEET EC-106
- (NBZ) PS PERMANENT SEEDING IN NATURAL BUFFER ZONE PER GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES 1.B ON SHEET EC-002.
- PS PERMANENT SEEDING OUTSIDE NATURAL BUFFER ZONE TO MATCH EXISTING VEGETATION
- EQUIPMENT ACCESS PADDING - PRESERVE EXISTING VEGETATION IN NATURAL BUFFER ZONES TO THE FURTHEST EXTENT FEASIBLE (PERMANENT SEEDING SHALL BE APPLIED TO THESE AREAS AFTER IMPACTS)
- STOCKPILE AREA FOR SOILS OR MATERIALS - SEE PLASTIC SHEETING DETAIL ON SHEET EC-105.
- DEWATERING SEDIMENT BAG. SEE SEE DETAILS ON SHEET EC-105
- SAWCUT
- EXISTING FLOW ARROW
- 50' NATURAL BUFFER ZONE - ADDITIONAL EROSION CONTROL BMP'S REQUIRED WHEN WORKING IN THIS AREA
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- CCW CONCRETE WORK - POLLUTION GENERATING ACTIVITY (MANHOLES, CURB, SIDEWALK AND DRIVEWAYS).
- HMA ROADWAY RESURFACING - POLLUTION GENERATING ACTIVITY (PAVING).

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**UTILITY & ROADWAY EROSION CONTROL PLAN FOR:**  
**YOUNG STREET SANITARY SEWER**  
**A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON**



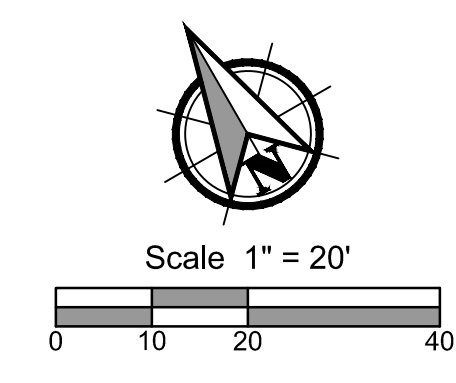
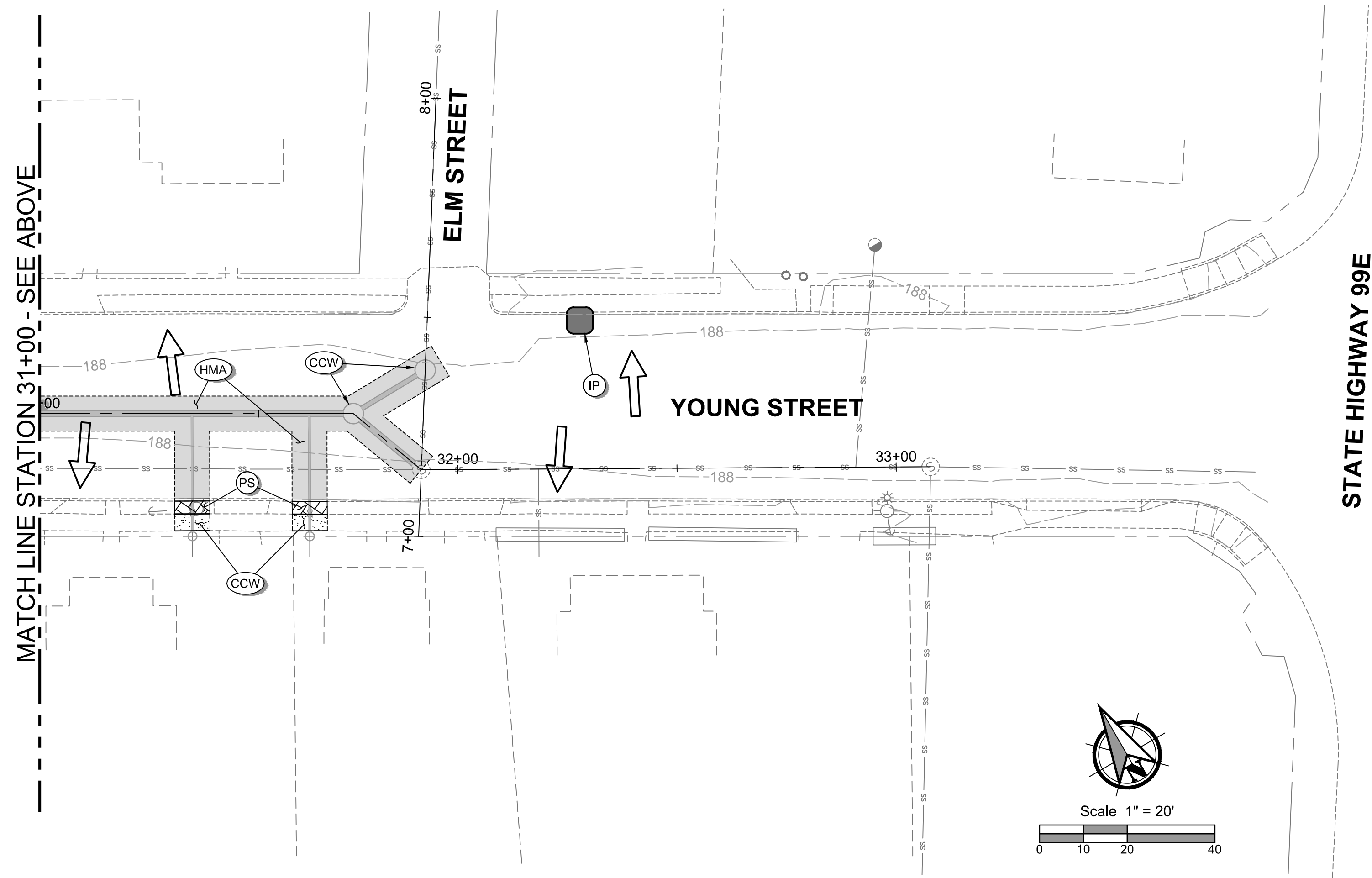
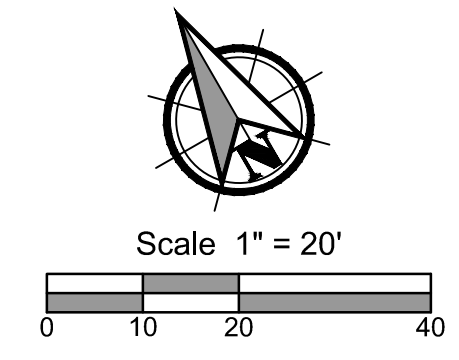
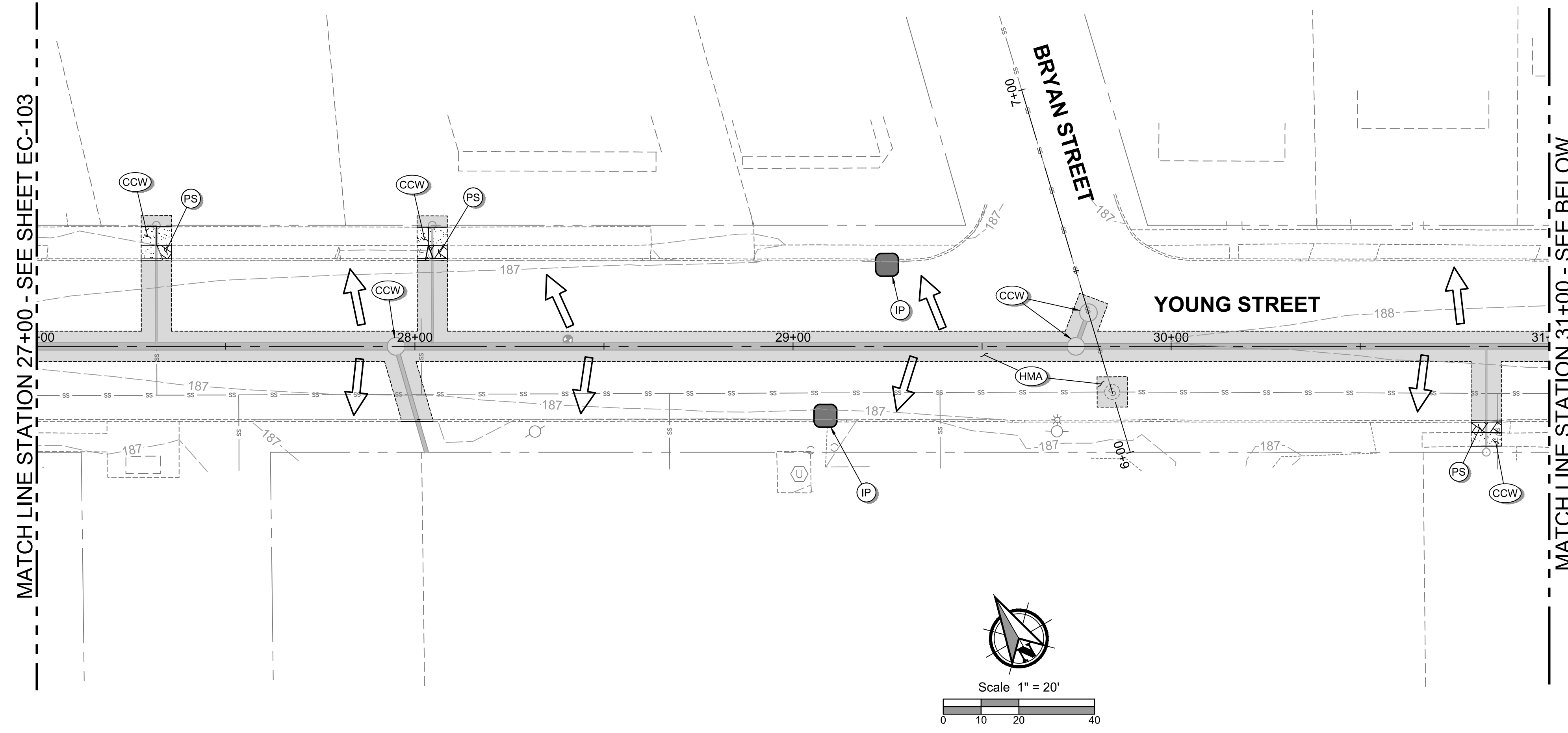
OREGON  
 JUNE 14, 2007  
 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

DESIGNED: DPS  
 CHECKED:  
 APRIL 2022  
 74203.000

SHEET ID  
**EC-103**

SHEET **38** OF **41**

File name: L:\Projects\74203\74203-000\Civil\CAD\Working\Sheets\74203-000-EC-104-EC-106.dwg User: Dan Skidrud CAD Plot Date/Time: 4/21/2022 3:50:25 PM



### PAVING & UTILITIES EROSION CONTROL PLAN NOTES

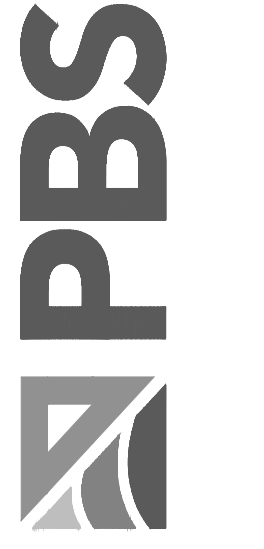
1. ALL BARE SOIL MUST BE PROTECTED AGAINST RAIN USING STRAW COVER, BIO-BAGS, AND/OR ANY OTHER RELEVANT MEANS. THE INSTALLATION OF EROSION PROTECTION MATERIALS IS CRITICAL TO PREVENTING THE EROSION OF LOOSE SOILS, WHICH COULD, IF UNPROTECTED, BE ACCIDENTALLY WASHED OVER THE RIM EDGE. WE RECOMMEND A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD BE AVAILABLE FOR FIELD INSPECTION OF SUCH CONDITIONS AND CORRECTIVE CONSTRUCTION ACTIVITIES.
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TOTAL DISTURBED AREA = 0.97 ACRES

### PAVING & UTILITIES EROSION CONTROL PLAN LEGEND

- 200 — EXISTING CONTOUR
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- INLET PROTECTION TYPE 3 PER ODOT STD. DRAWING RD 1010. SEE DETAIL, SHEET EC-105.
- ORANGE CONSTRUCTION FENCE. (WORK ZONE FENCING PER SECTION 00221.13 OF THE QPL)
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- PERMANENT SEEDING OUTSIDE NATURAL BUFFER ZONE TO MATCH EXISTING VEGETATION
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- DEWATERING SEDIMENT BAG. SEE SEE DETAILS ON SHEET EC-105
- SAWCUT
- EXISTING FLOW ARROW
- 50' NATURAL BUFFER ZONE - ADDITIONAL EROSION CONTROL BMP'S REQUIRED WHEN WORKING IN THIS AREA
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- CONCRETE WORK - POLLUTION GENERATING ACTIVITY (MANHOLES, CURB, SIDEWALK AND DRIVEWAYS).
- ROADWAY RESURFACING - POLLUTION GENERATING ACTIVITY (PAVING).

- NOTE:
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**UTILITY & ROADWAY EROSION CONTROL PLAN FOR:**  
**YOUNG STREET SANITARY SEWER**  
**A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON**



OREGON  
 JUNE 14, 2007  
 RICHARD D. BOYLE  
 EXPIRES: 12/31/2023

DESIGNED:  
 DPS  
 CHECKED:  
 APRIL 2022  
 74203.000

SHEET ID  
**EC-104**

SHEET 39 OF 41

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**CONSTRUCTION ENTRANCE - TYPE 1**  
NOT TO SCALE

**CONSTRUCTION ENTRANCE - TYPE 2**  
NOT TO SCALE

**CONSTRUCTION ENTRANCE - TYPE 3 (TYPE 1 OR 2 WITH EXISTING CURB)**  
NOT TO SCALE

**WOODEN CURB RAMP SECTION D-D**  
NOT TO SCALE

**SECTION A-A**  
NOT TO SCALE

**SECTION C-C**  
NOT TO SCALE

**NOTES:**

- The Type 1 entrance is a simple entrance without a diversion ridge or settling basin.
- The wooden ramp may be used on either Type 1 or Type 2 entrances in situations where there is curb and the curb is not removed for the construction entrance.

Length (FT)	Area Of Exposed Soil (Acres)
20	0.25
50	0.25 < A < 1.0
100	A > 1.0

**Effective Date: December 1, 2021 - May 31, 2022** RD1000

Calc. Book No. N/A

Revision: 2021

**OREGON STANDARD DRAWINGS**

**CONSTRUCTION ENTRANCES**

2021

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.

**WATTLE / FIBER ROLL CHECK DAM - TYPE 2**  
NOT TO SCALE

**COMPOST FILTER SOCK CHECK DAM - TYPE 6**  
NOT TO SCALE

**SECTION A-A**  
NOT TO SCALE

**SECTION B-B**  
NOT TO SCALE

**NOTE:** Fully biodegradable compost socks are suitable for permanent installation only. Product becomes too fragile to be moved or removed intact.

Ditch Grade	H=8"	H=12"	H=18"	H=24"
10%	15'	20'	25'	30'
2%	18'	25'	30'	40'
0%	21'	28'	33'	40'
3%	22'	33'	50'	66'
0%	33'	50'	75'	100'

**NOTE:** H = Min. dam height

**Effective Date: December 1, 2021 - May 31, 2022** RD1006

Calc. Book No. N/A

Revision: 2021

**OREGON STANDARD DRAWINGS**

**CHECK DAMS TYPE 2 AND 6**

2021

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.

**GEOTEXTILE/WIRE MESH/AGGREGATE - TYPE 2**  
NOT TO SCALE

**PREFABRICATED FILTER INSERT - TYPE 3**  
NOT TO SCALE

**SOD PROTECTION - TYPE 6**  
NOT TO SCALE

**AREA DRAIN PLAN**  
NOT TO SCALE

**AREA DRAIN PERSPECTIVE VIEW**  
NOT TO SCALE

**CURB INLET SEDIMENT DAM - TYPE 10**  
NOT TO SCALE

**WATTLE BARRIER WITH FILTER INSERT - TYPE 11**  
NOT TO SCALE

**COMPOST FILTER SOCK OR WATTLE - TYPE 7**  
NOT TO SCALE

**NOTES:**

- Geotextile/wire mesh/aggregate: Place the wire mesh over the grate. Place sediment fence geotextile over the wire mesh and perimeter area around structure. Install aggregate over the geotextile fabric.
- Prefabricated filter inserts: Install prefabricated filter inserts according to the plans, special provisions, and manufacturer recommendations. Prefabricated inserts with provisions for overflow are allowed only when accompanied by additional BMP's to prevent the potential of sediments entering project storm systems. Field fabricated inserts are not allowed.
- Compost filter sock: Drive 2"x2" wood stakes a minimum of 6" into ground and flush with the top of the sock. Overlap ends of sock per manufacturer recommendations (12" min., 36" max.). Use 8" to 12" dia sock on curbside in traffic areas.
- Area Drain: Use 12" to 18" dia sock in non-traffic areas or areas where the larger socks can be used safely. Use synthetic mesh socks for temporary installations.
- Curb Inlet Sediment Dam: Fit curb inlet sediment dam snugly into inlet mouth. Curb inlet sediment dam is required for use with inlet filter insert where at-grade inlet grate and curb inlet are combined at a catch basin.
- Wattle Barrier with Filter Insert: Install wattle over opening and 36" to each side of opening tight against curb. Adjust wattle to force storm water to flow through filter insert or wattle prior to leaving the site. Adjust, replace or modify the inlet protection as needed to prevent sediment laden water from entering the catch basin.

**Effective Date: December 1, 2021 - May 31, 2022** RD1010

Calc. Book No. N/A

Revision: 2021

**OREGON STANDARD DRAWINGS**

**INLET PROTECTION TYPE 2, 3, 6, 7, 10 AND 11**

2021

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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.

**PLASTIC SHEETING**  
NTS

**PLASTIC SHEETING**  
NTS

**SEDIMENT BAG**  
NTS

**NOTES:**

- THE SEDIMENT SHALL BE MANUFACTURED USING A POLYPROPYLENE 8 OZ. NON-WOVEN GEOTEXTILE SEWN INTO A BAG WITH DOUBLE NEEDLE, USING A HIGH STRENGTH THREAD.
- EACH STANDARD SEDIMENT BAG MUST HAVE A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE A 4" DISCHARGE HOSE. STRAPS ARE ATTACHED TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.
- THE SEDIMENT BAG SHALL MEET OR EXCEED OVERALL BAG REMOVAL EFFICIENCY RATE OF 97.55%.
- WATER BEING DISCHARGED FROM THE SEDIMENT BAG SHALL BE FREE OF ALL SEDIMENT PRIOR TO LEAVING THE SITE OR ENTERING INTO THE STORM SYSTEM.
- SEDIMENT BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR ALLOW WATER TO PASS AT A RATE LESS THAN 50% OF THE MANUFACTURER'S DESIGN FLOW RATE.
- SEDIMENT BAG MUST BE MONITORED DURING USE.
- SEDIMENT BAG SHALL BE DISPOSED OF OFF-SITE.
- INSTALL WATTLE DOWNSTREAM OF SEDIMENT BAG.
- FOR BEST RESULTS PLACE SEDIMENT BAG ON FLAT SURFACE.
- SEDIMENT BAG SHOULD PLACED ON EXISTING VEGETATION, ROCK OR BED OF STRAW. SEDIMENT BAG SHOULD NOT BE PLACED ON BARE GROUND.

**Effective Date: December 1, 2021 - May 31, 2022** RD1006

**EROSION CONTROL DETAILS FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



DESIGNED: DPS

CHECKED: ---

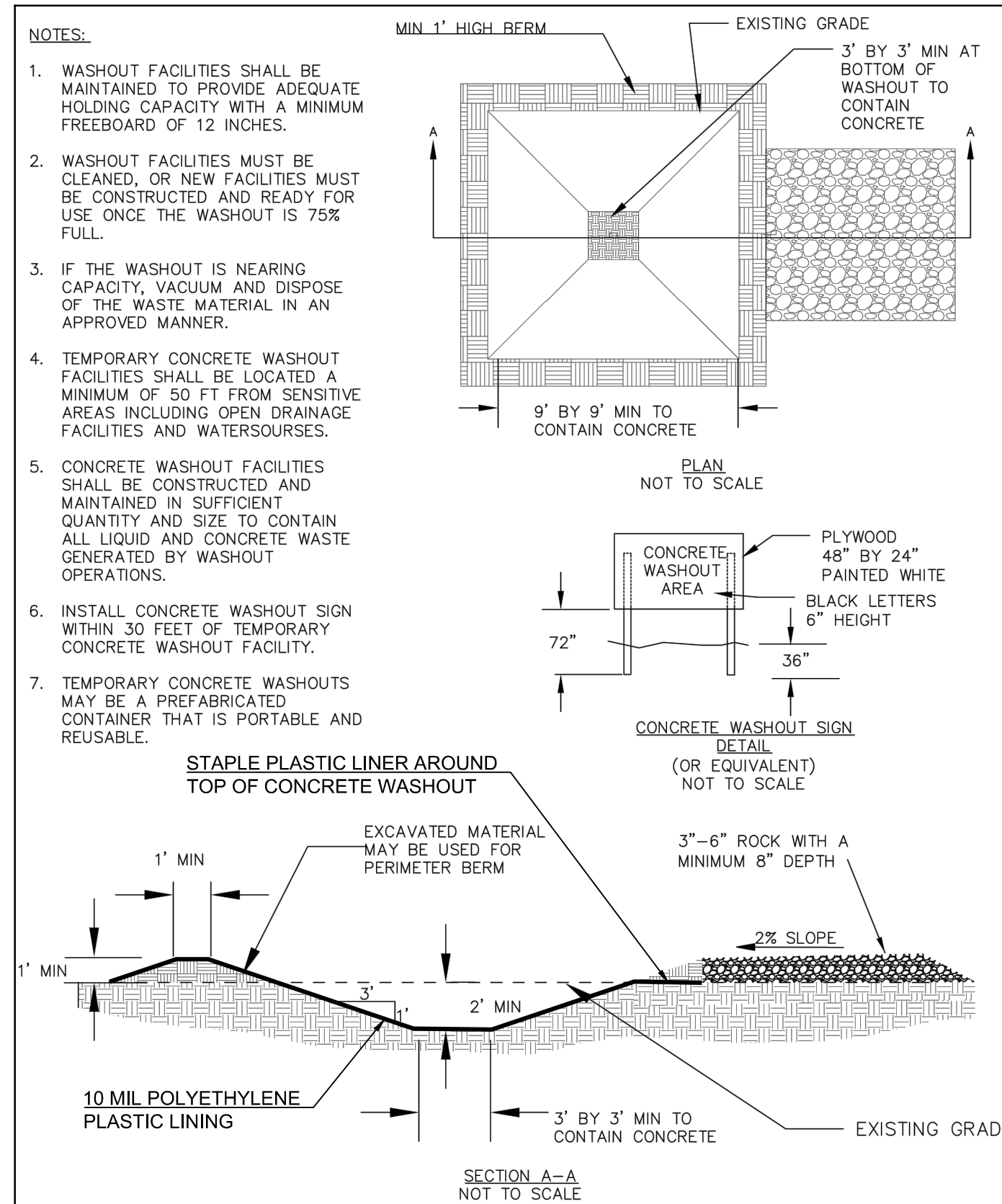
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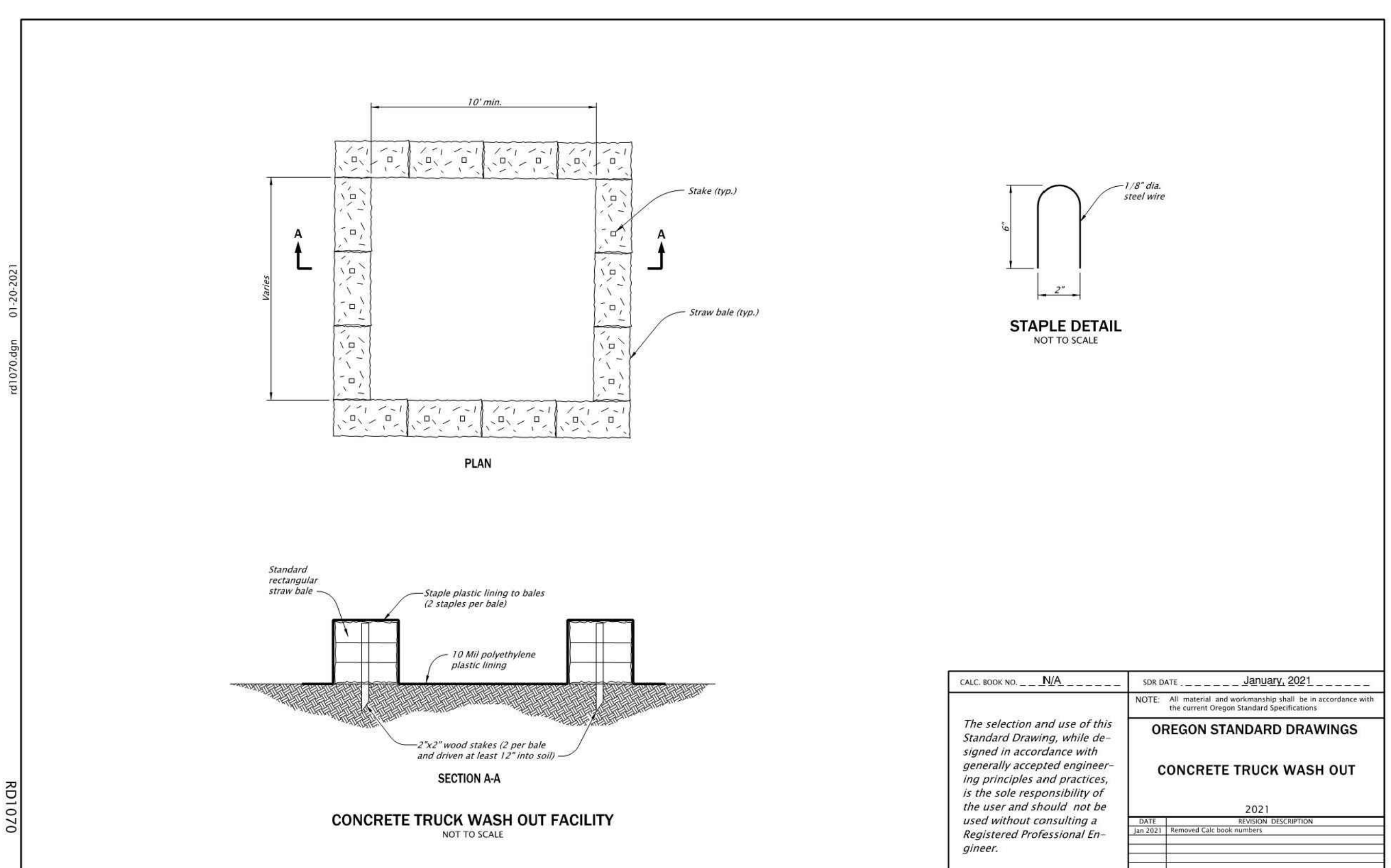
**EC-105**

SHEET 40 OF 41

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**CONCRETE WASHOUT**  
NTS



Effective Date: December 1, 2021 - May 31, 2022    RD1070

CALC. BOOK NO. N/A	SDR DATE: January, 2021
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.	
<b>OREGON STANDARD DRAWINGS</b>	
<b>CONCRETE TRUCK WASH OUT</b>	
DATE: 2021	REVISION DESCRIPTION:
Jan 2021	Removed Calc book numbers

**EROSION CONTROL DETAILS FOR:**  
**YOUNG STREET SANITARY SEWER**  
 A SANITARY SEWER PROJECT FOR THE CITY OF WOODBURN, OREGON



DESIGNED: DPS
CHECKED: ---
APRIL 2022 74203.000
SHEET ID <b>EC-106</b>
SHEET <b>41</b> OF <b>41</b>