# **City of Coos Bay**

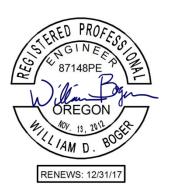
Coos County, Oregon

**VOLUME 3 - Working Drawings** 

FOR THE CONSTRUCTION OF

# 2<sup>nd</sup> Street Sewer Main Replacement

THIS PROJECT IS BEING FULLY FUNDED BY LOTTERY FUNDS THROUGH WATER WASTEWATER FINANCING PROGRAM ADMINISTERED BY OREGON BUSINESS DEVELOPMENT DEPARTMENT – INFRASTRUCTURE FINANCE AUTHORITY



May, 2017 City Construction Project. No. 170141 City Design Project No. 170101 Engineering Project No. 1201-060



Prepared E

Civil West Engineering Services, Inc.

**CITY OF COOS BAY** 

COOS COUNTY, OREGON

SHEET LIST TABLE				
SHEET NUMBER	SHEET TITLE			
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**COUNTY RECORD: 47B78** 

VERTICAL BENCHMARK DATA:

FOUND  $\frac{5}{8}$ " IRON ROD IN ASPHALT BLOCK PATH SOUTH OF BRICKED AREA AT ANDERSON AVENUE ENTRANCE.

**ELEVATION 11.85 FEET (NAVD 88)** 

# 2ND STREET SEWER MAIN **REPLACEMENT**

CLIENT PROJECT NO. 170101 PROJECT NO. 1201-060 MAY 2017

(LIAM D.

RENEWS: 12/31/17



WASHINGTON OREGONPROJECT**LOCATION** HORIZONTAL BASIS OF BEARING: CALIFORNIA NEVADACITY OF COOS BAY, RAL AVE, COOS BAY, VICINITY MAP LOCATION MAP THIS PROJECT IS BEING FULLY FUNDED BY THE LOTTERY FUNDS THROUGH WATER G1 **MAY 2017** 

WASTEWATER FINANCING PROGRAM ADMINISTERED BY OREGON BUSINESS DEVELOPMENT DEPARTMENT - INFRASTRUCTURE FINANCE AUTHORITY

# **GENERAL NOTES**

- OREGON LAW REQUIRES YOU TO FOLLOW THE RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090 AND ORS 757.542 THROUGH ORS 757.562 AND ORS 757.993, YOU MAY OBTAIN COPIES OF THE RULES FROM THE CENTER BY CALLING (877) 668-4001
- 2. THE CONTRACTOR SHALL CONTACT 'ONE CALL' FOR UTILITY LOCATES PRIOR TO EXCAVATION. (1-800-332-2344)
- 3. THE EXISTING UTILITY CROSSINGS OF THE PIPELINES ARE SHOWN ACCORDING TO AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL THE UTILITY CROSSINGS ALONG THE LENGTH OF THE PIPELINES AS SPECIFIED. NO GUARANTEE IS MADE THAT ALL OF THE EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING HIS OPERATIONS.
- 4. OVERHEAD ELECTRICAL DISTRIBUTION SYSTEMS ARE NOT SPECIFICALLY INDICATED ON THE DRAWINGS BUT DO EXIST ALONG THE PIPELINE ROUTES.
- 5. EXISTING WATER METERS BOXES AND VALVES ARE INDICATED ON THE DRAWINGS ALONG PIPELINE ROUTES. CONTRACTOR SHALL LOCATE PRIOR TO THE START OF CONSTRUCTION.
- 6. THE LOCATION AND DEPTH SHOWN ON THESE DRAWINGS FOR THE EXISTING WATER AND GAS LINES ARE APPROXIMATE ONLY AND BASED ON AS BUILT DRAWINGS, VALVE LOCATIONS AND OTHER INFORMATION. THERE ARE NO TRACER WIRES FOR LOCATING THE MAJORITY OF EXISTING WATERLINES.
- 7. THE PIPELINE PROFILES HAVE BEEN MARKED TO INDICATE THE REQUIRED BACKFILL CLASSES (A, B, & E) SEE TECHNICAL SPECIFICATION FOR SPECIFIC BACKFILL MATERIAL REQUIREMENTS.
- 8. WHEN NO RECORD WAS AVAILABLE TO INDICATE THE ELEVATION OF AN EXISTING UTILITY A MINIMUM COVER OF 30-INCHES WAS ASSUMED. THE CONTRACTOR SHALL EXERCISE CAUTION WHILE EXCAVATING NEAR ANY UTILITY.
- 9. PROPERTY AND RIGHT OF WAY LINES SHOWN IN THIS PLAN SET ARE APPROXIMATE AND BASED ON BEST AVAILABLE INFORMATION.
- 10. PERMITS ASSOCIATED WITH TRENCH DE-WATERING SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 11. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECT DESIGN SPECIFICATIONS AND DRAWINGS. THESE DRAWINGS SHALL BE COORDINATED AND USED IN CONJUNCTION WITH THE TECHNICAL SPECIFICATIONS AND APPROVED SUBMITTALS.
- 12. NO STAGING AREA IS PROVIDED BY THE OWNER. IF STAGING AREA IS REQUIRED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE.
- 13. CONTRACTOR SHALL INSTALL NEW SEWER LINES WITH A MINIMUM CLEARANCE OF 18-INCHES AT ALL CROSSINGS WITH POTABLE WATERLINES PER OAR 333-061-0050. WHERE NEW SEWER LINES CROSS UNDERGROUND UTILITIES A MINIMUM VERTICAL CLEARANCE OF 24-INCHES WILL BE UTILIZED. NO VARIANCE WILL BE ALLOWED UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE ENGINEER.
- 14. UNLESS OTHERWISE NOTED PVC SEWER PIPE SHALL BE CLASS SDR-35 AND SHALL BE PROVIDED IN 14-FOOT MINIMUM LENGTHS AND SHALL BE GREEN IN COLOR.
- 15. CLEAN ALL DRAINAGE FACILITIES SUCH AS INLETS, CATCH BASINS, AND OPEN DITCHES AS WELL AS ALL PAVEMENT SURFACES OF ALL EXCESS MATERIAL OR DEBRIS RESULTING FROM THE WORK, WHETHER NEW OR EXISTING, WITHIN THE LIMITS OF THE PROJECT TO THE SATISFACTION OF THE OWNER.

### **GENERAL ABBREVIATIONS**

AC CB CI CMP CTR	PAVEMENT  CATCH BASIN  CAST IRON  CORRUGATED METAL PIPE  CENTER	SD SS STA SRV SVC SW	STORM DRAIN SANITARY SEWER STATION SANITARY SEWER SERVICE SERVICE SIDEWALK
DI	DUCTILE IRON	TYP	TYPICAL
ELE ETC	ELECTRICAL LINE ETCETERA	VERT	VERTICAL
FH FL FM	FIRE HYDRANT FLOWLINE FORCE MAIN	WM WTR WV	WATER METER WATER SERVICE WATER VALVE
GAS GV	NATURAL GAS GATE VALVE		
HORZ	HORIZONTAL		
INV	INVERT		
MH	MANHOLE		
P PED PVC	PLASTIC PEDESTAL POLY VINYL CHLORIDE PIPE		
ROW	RIGHT OF WAY		

# EXISTING FEATURE LEGEND

#### SYMBOL LEGEND

SANITARY SEWER MANHOLE	S	PROFILE SERVICE LATERAL CROSSING	—SVR—
STORM DRAIN MANHOLE	$\bigcirc$	PROFILE TELEPHONE LINE CROSSING	— TEL —
CATCH BASIN		PROFILE ELECTRICAL LINE CROSSING	—ELE—
WATER VALVE	wv V	PROFILE WATERLINE CROSSING	WTR_
WATER METER	(W)	PROFILE STORM DRAIN CROSSING	— SD —
FIRE HYDRANT	> \	TREE/SHRUB	{ · }
POWER POLE	*} <sup>*</sup>		
CURB AND GUTTER	=	STREET SIGN	

#### LINETYPE LEGEND

WATER LINE	— w — w — w —
STORM DRAIN	—— SD ——— SD ———
SANITARY SEWER	—— ss ——— ss ——
ELECTRICAL	— E — E — E —
OVER HEAD LINE	—— ОН ——— ОН ———
TELEPHONE LINE	<u>т т т т т т т т т т т т т т т т т т т </u>
EDGE OF CONCRETE	
EDGE OF PAVEMENT	
RIGHT OF WAY	

# HATCH LEGEND

CONCRETE AC PAVEMENT

# NEW FEATURE LEGEND

### LINETYPE LEGEND

SANITARY SEWER





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ВУ			WDB			
NO			Checked By:			
DESCRIPTION			Drawn By: BS	09		
				1201-060		
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REV.			Designed By:	Project No:		
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SEWER MAIN REPLACEME GENERAL NOTES AND EGEND STREET

G2

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OR 9742(

COOS BAY COOS BAY,

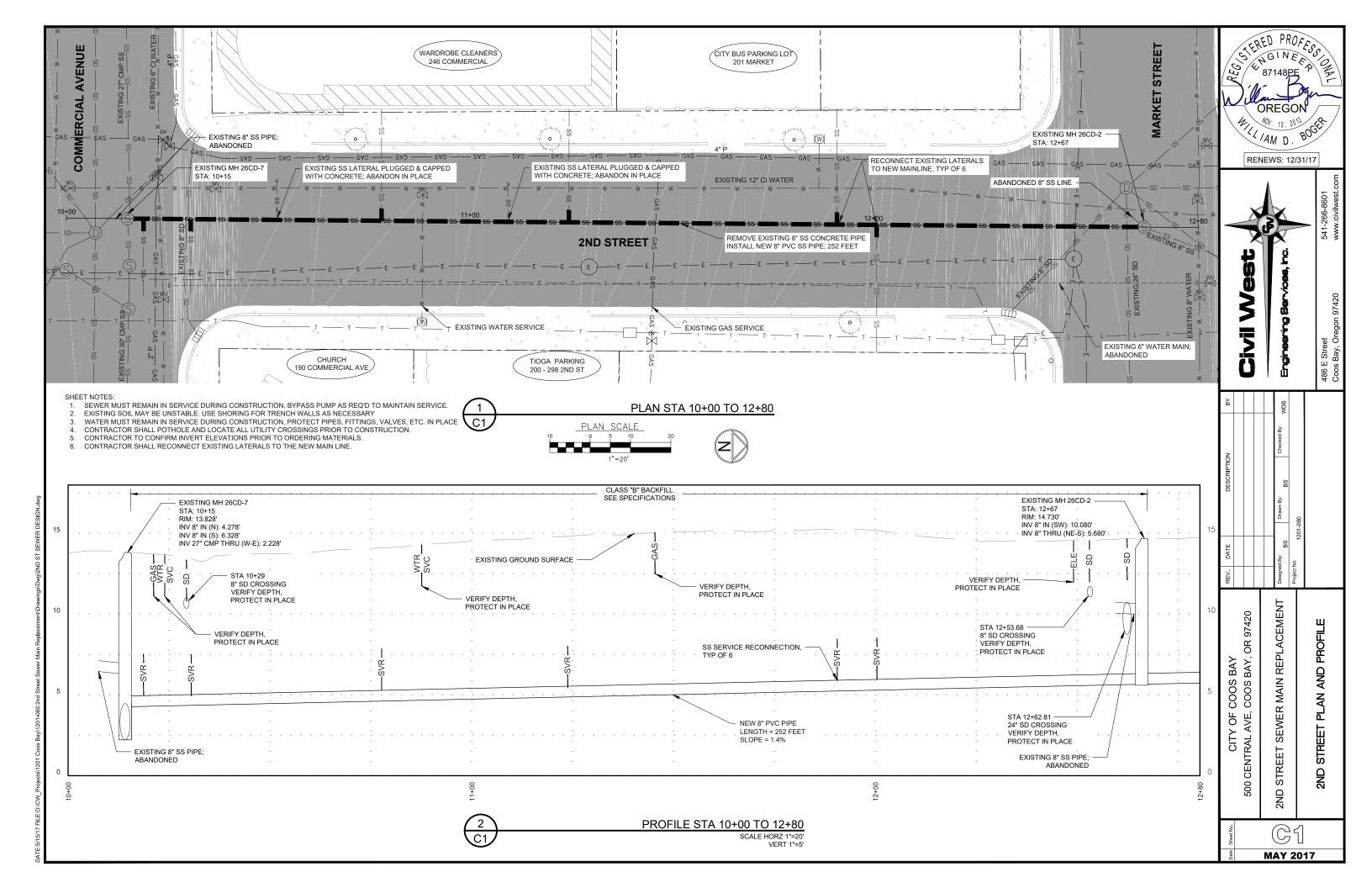
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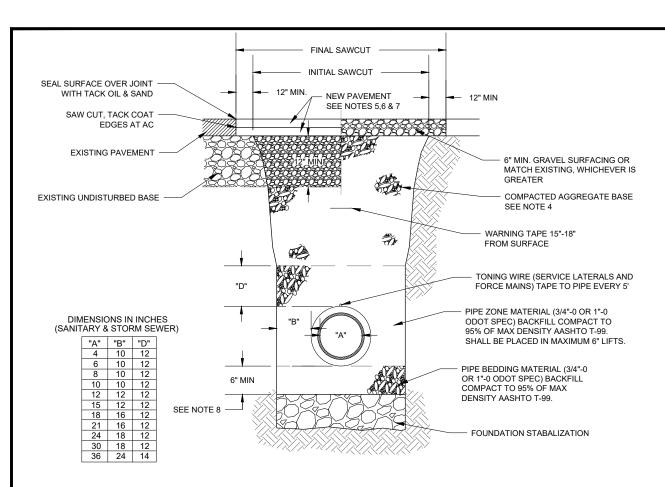
CITY

**MAY 2017** 

2ND

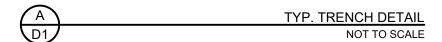
BUILDING

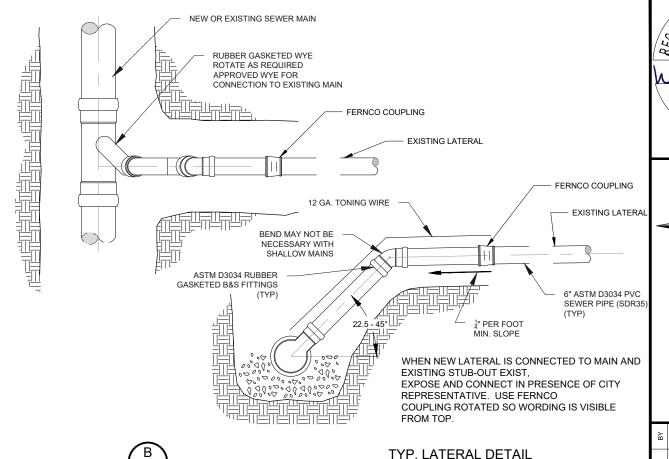




#### NOTES:

- TRENCH EXCAVATION SHALL BE CONDUCTED IN A SAFE MANNER WITH ALL NECESSARY BRACING AND SHORING PROVIDED TO BE IN
- ALL EXISTING AC OR PCC PAVEMENT SHALL BE SAWCUT IMMEDIATELY PRIOR TO REPAVING.
- FOUNDATION STABILIZATION SHALL BE PROVIDED WHEN MATERIAL AT BOTTOM OF TRENCH IS UNSUITABLE, IN THE OPINION OF THE CITY, TO PROVIDE A STABLE TRENCH BASE.
- PLACE COMPACTED AGGREGATE BASE TO A MINIMUM THICKNESS OF 12 INCHES OR THE THICKNESS OF REMOVED AGGREGATE BASE, WHICHEVER IS GREATER. COMPACT AS DIRECTED
  IF EXISTING TRENCH CONSISTED OF CONCRETE PAVEMENT THEN CONCRETE PAVEMENT SHALL BE REPLACED WITH CONCRETE TO A MINIMUM
- THICKNESS OF 6 INCHES OR TO THE THICKNESS OF REMOVED PAVEMENT, WHICHEVER IS GREATER. (UNLESS DIRECTED BY THE CITY TO USE AC)
- IF EXISTING TRENCH CONSISTED OF AC, PLACE AC MIX TO A MINIMUM THICKNESS OF 4 INCHES (TWO 2 INCH LIFTS) OR THE THICKNESS OF
- REMOVED PAVEMENT, WHICHEVER IS GREATER, COMPACT AS DIRECTED.
  IN SITUATIONS WHERE EXISTING PCC PAVEMENT IS OVERLAYED WITH AC PAVEMENT. PLACE PCC PAVEMENT IN ACCORDANCE WITH NOTE 3 AND WITH AC PAVEMENT PLACED IN ACCORDANCE WITH NOTE 4.
- BACKFILL IN PIPE ZONE SHALL BE PLACED IN MAXIMUM 6" LIFTS AND COMPACTED AS SPECIFIED TO 95%.
- TONING WIRE REQUIRED AT SERVICE LATERALS, FORCEMAINS, AND GRAVITY LINE. WIRE SHALL BE 18 GA. MINIMUM SOLID COPPER WIRE WITH GREEN 30 MIL THICK HDPE INSULATION RATED FOR DIRECT BURY. USE APPROVED WATERPROOF SPLICE AT ALL CONNECTIONS.
- 10. SANITARY AND STORM SEWER LINES MUST HAVE WARNING TAPE AND IT SHALL BE 6-INCHES WIDE, 4 MIL THICK, APWA GREEN, READING "CAUTION SEWER LINE BURIED BELOW"





NOT TO SCALE

