

DATE:6/30/16 FILE:O:\CW_Projects\1201 Coos Bay\1201-058 West Park Drive Slide Repair\Drawings\Dwg\WP Drive1.dwg

THIS CONTRACT IS FOR PUBLIC WORK AND IS SUBJECT TO ORS 279C.800 TO 279C.870.
PREVAILING WAGE RATES FOR "PUBLIC WORKS" CONTRACTS IN OREGON ARE REQUIRED FOR THIS PROJECT.

Lincoln Rd

Oakway Dr

Ocean Terrace

Ocean Blvd

Barham Terrace

W Park Dr

Michigan Ave

N 14th St

Cedar Ave

PROJECT LOCATION

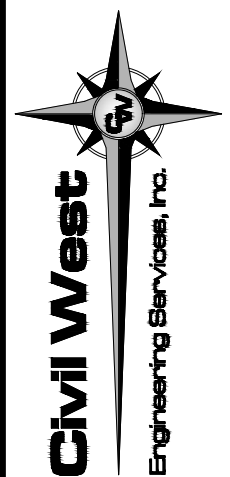
A map of Oregon with major cities and towns labeled. A thick black arrow points to the project location near Coos Bay. The map includes a north arrow in the top left corner. The project location is marked with a black dot and labeled 'PROJECT LOCATION' with a thick black arrow pointing to it. The location is situated on the coast near Coos Bay, Coquille, and Bandon. Other cities shown include Seaside, Tillamook, Portland, The Dalles, Pendleton, Lincoln City, Salem, Adair Village, Corvallis, Eugene, Springfield, Creswell, Bend, Burns, Ontario, La Grande, Roseburg, Grants Pass, Eagle Point, Medford, Klamath Falls, Ashland, Crescent City, Brookings, Gold Beach, Port Orford, and Seal Rock. The map also shows the borders with Washington, California, Nevada, and Idaho.

The logo for the City of Coos Bay is a circular emblem. The outer ring is yellow with black hexagonal bolts. Inside, a large blue ship is docked at a pier, with a smaller red and white boat nearby. The scene is framed by a porthole-like border. A white banner at the bottom reads "CITY OF COOS BAY".

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EXPIRATION DATE: 06/30/17



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|--|--|-------------------------------|------|---------------|-------------|-----|
| <div> <div>CITY OF COOS BAY</div> <div>COOS COUNTY</div> </div> | <div> <div>WEST PARK RDWY SANITARY SEWER</div> <div>REPLACEMENT</div> </div> | <div> <div>COVER</div> </div> | REV. | DATE | DESCRIPTION | BY |
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| | | Designed By: MEH | | Drawn By: JBJ | Checked By: | WDB |
| | | Project No: | | 1201-058 | | |
| <div> <div>FINAL FOR CONSTRUCTION</div> <div>JUNE/30 2016</div> </div> | | | | | | |

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 (503) 246-1987.

THE CONTRACTOR SHALL CONTACT 'ONE CALL' FOR UTILITY LOCATES PRIOR TO EXCAVATION. (1-800-332-2344)

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.

OVERHEAD ELECTRICAL DISTRIBUTION SYSTEMS ARE NOT SPECIFICALLY INDICATED ON THE DRAWINGS BUT DO EXIST ALONG THE PIPELINE ROUTES.

EXISTING WATER METERS BOXES AND VALVES ARE NOT SPECIFICALLY INDICATED ON THE DRAWINGS BUT MAY EXIST ALONG THE PIPELINE ROUTES. CONTRACTOR SHALL LOCATE PRIOR TO THE START OF CONSTRUCTION.

THE LOCATION AND DEPTH SHOWN ON THESE DRAWINGS FOR THE EXISTING UTILITIES 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 OR UTILITIES.

THE PIPELINE PROFILES HAVE BEEN MARKED TO INDICATE THE REQUIRED BACKFILL CLASSES (A, B, & E) SEE TECHNICAL SPECIFICATION FOR SPECIFIC BACKFILL MATERIAL REQUIREMENTS.

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 THESE ESTIMATED UTILITY LOCATIONS WHICH ARE INDICATED ON THE PROFILE DRAWINGS.

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.

CONSTRUCTION PERMITS AS REQUIRED FROM CITY OF COOS BAY TO WORK WITHIN THE RIGHT-OF-WAY SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.






















NO STAGING AREA IS PROVIDED BY THE OWNER. IF STAGING AREA IS REQUIRED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE.

GENERAL ABBREVIATIONS












| | | | |
|--------------|---------------------------------|--------|--------------------------|
| AC | PAVEMENT | MJ | MECHANICAL JOINT |
| BFV BLDG. | BUTTERFLY VALVE BUILDING | NG | NATURAL GAS |
| CB | CATCH BASIN | OF | OVERFLOW |
| CPLG | COUPLING | PED | PEDESTAL |
| CTR | CENTER | PVC | POLY VINYL CHLORIDE PIPE |
| CW | CITY WATER (POTABLE) | | |
| CWN | CITY WATER (NONPOTABLE) | ROW | RIGHT OF WAY |
| D | DRAIN | RS | RAW SEWAGE |
| DI | DUCTILE IRON | RW | RAW WATER |
| | | RWR | RECLAIMED WATER |
| EXIST'G | EXISTING | SD | STORM DRAIN |
| FH | FIRE HYDRANT | SPW | SPILLWAY |
| FL | FLOWLINE | SS | SANITARY SEWER |
| FLG | FLANGE | STA | STATION |
| FM | FORCE MAIN | SW | SIDEWALK |
| GV | GATE VALVE | TD | TANK DRAIN |
| | | TRANS. | TRANSITION |
| | | TYP | TYPICAL |
| HDD | HORIZONTAL DIRECTIONAL DRILLING | V | VENT |
| HDPE | HIGH DENSITY POLYETHYLENE PIPE | VAC | VACUUM |
| HPC | HYPOCHLORITE | VC | VENT (CHEMICAL) |
| HS | HARVESTED SLUDGE | | |
| HSG | HIGH PRESSURE SLUDGE GAS | | |
| MH | MANHOLE | WM | WATER METER |
| | | WV | WATER VALVE |

EXISTING FEATURE LEGEND

SYMBOL LEGEND



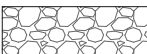


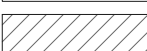

| | | | |
|---------------------------|---|-------------------------------------|---|
| SANITARY SEWER MANHOLE |  | TELEPHONE PEDESTAL |  |
| STORM DRAIN MANHOLE |  | MAIL BOX |  |
| CATCH BASIN |  | AIR RELEASE VALVE |  |
| WATER VALVE |  | BLOW OFF VALVE |  |
| WATER METER |  | PROFILE SERVICE LATERAL CROSSING |  |
| FIRE HYDRANT |  | PROFILE TELEPHONE LINE CROSSING |  |
| CLEANOUT |  | PROFILE ELECTRICAL LINE CROSSING |  |
| POWER POLE |  | PROFILE WATERLINE CROSSING |  |
| GUY ANCHOR |  | TREE/SHRUB |  |
| POWER PEDESTAL |  | STREET SIGN |  |
| SURVEY MARKER |  | | |

LINETYPE LEGEND

| | |
|------------------|---|
| WATER LINE |  |
| STORM DRAIN |  |
| SANITARY SEWER |  |
| ELECTRICAL |  |
| OVER HEAD LINE |  |
| TELEPHONE LINE |  |
| TREELINE |  |
| EDGE OF PAVEMENT |  |
| DITCHLINE |  |
| RIGHT OF WAY |  |
| CONTOURS |  |
















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HATCH LEGEND










| | |
|---|---|
| CONCRETE |  |
| PAVEMENT |  |
| GRANULAR MATERIALS SUCH AS CRUSHED ROCK OR GRAVEL |  |
| NATURAL GROUND |  |
| WETLANDS |  |
| BUILDING |  |
| BROKEN OR COBBLED PAVEMENT |  |

NEW FEATURE LEGEND

SYMBOL LEGEND

| | | | |
|---------------------------|---|-----------------------------|---|
| SANITARY SEWER MANHOLE |  | TEE/CROSS FITTING |  |
| STORM DRAIN MANHOLE |  | ELBOW FITTING |  |
| CATCH BASIN |  | REDUCER FITTING |  |
| WATER VALVE |  | MECHANICAL JOINT ADAPTER |  |
| WATER METER |  | AIR RELEASE VALVE |  |
| FIRE HYDRANT |  | BLOW OFF VALVE |  |
| CLEANOUT |  | MAILBOX |  |
| | | ANCHOR WALL |  |

LINETYPE LEGEND


| | |
|-------------------|---|
| WATER LINE |  |
| STORM DRAIN |  |
| SANITARY SEWER |  |
| ELECTRICAL |  |
| OVER HEAD LINE | |
| TELEPHONE LINE |  |
| DITCH LINE |  |
| SAWCUT |  |
| PAVEMENT MARKINGS |  |
| CONTOURS |  |

HATCH LEGEND


| | |
|---|---|
| CONCRETE |  |
| AC PAVEMENT |  |
| GRANULAR MATERIALS SUCH AS CRUSHED ROCK OR GRAVEL |  |
| |  |

GRADING LEGEND


CUT OR FILL SLOPE-ARROWS
POINT DOWN SLOPE



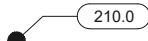
GRADING SLOPE:
2 HORIZONTAL:1 VERTICAL



EXISTING GRADE SPOT
ELEVATION



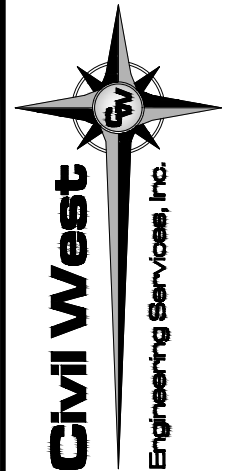
FINISH GRADE SPOT
ELEVATION



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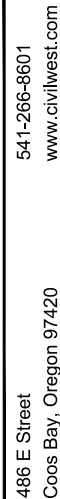
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| Date | Sheet No. | <p>CITY OF COOS BAY</p> <p>COOS COUNTY</p> <p>WEST PARK RDWY SANITARY SEWER REPLACEMENT</p> <p>LEGEND</p> |
| <p>G1</p> <p>JUNE 2016</p> | | |



FINAL FOR CONSTRUCTION
JUNE/30 2016

JUNE 2016



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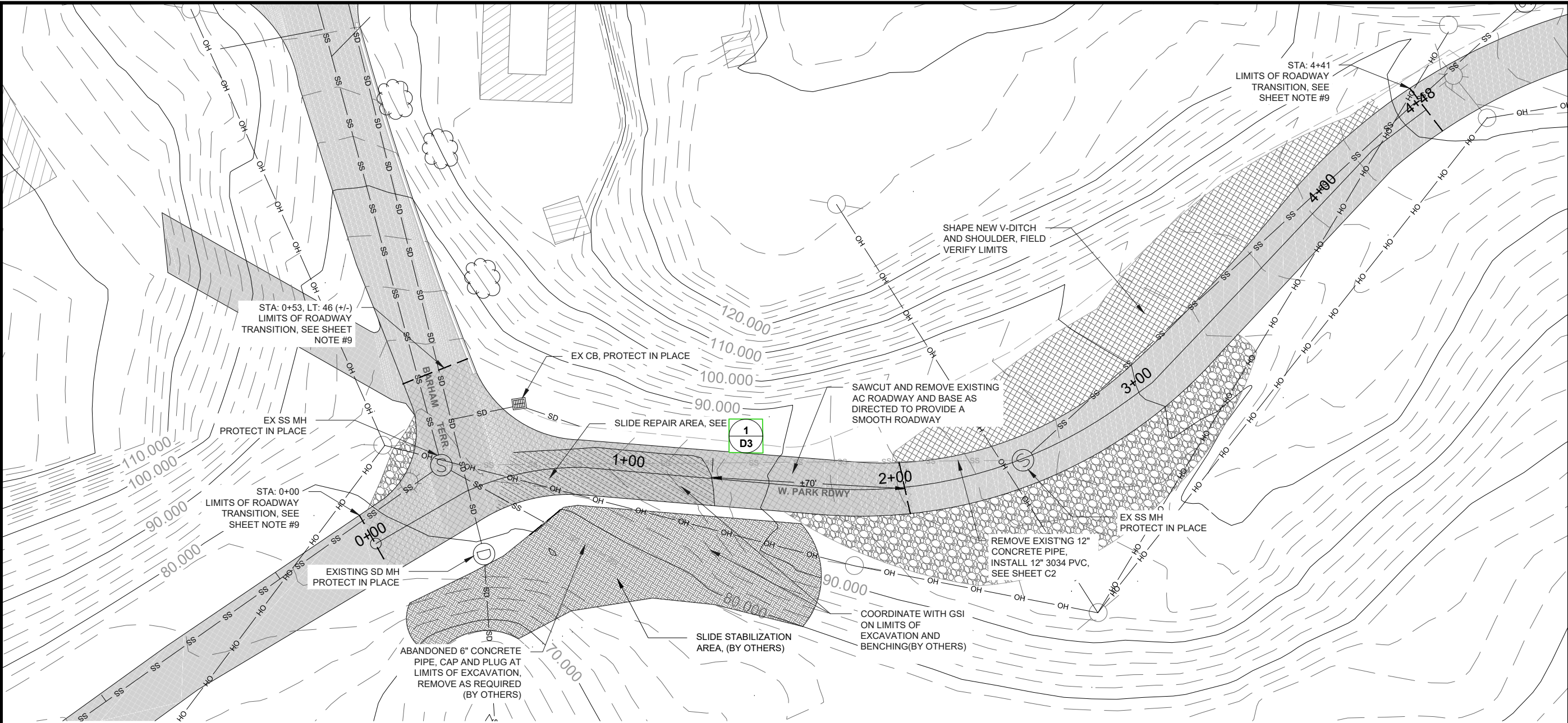
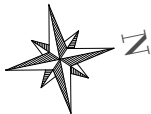
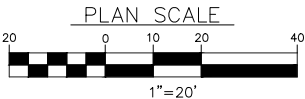
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SHEET NOTES:

- SEWER MUST REMAIN IN SERVICE DURING CONSTRUCTION. BYPASS PUMP AS REQ'D TO MAINTAIN SERVICE. THIS SECTION OF SANITARY SEWER PIPE BEING REPLACED FLOW FROM PUMP STATION 5 THAT SERVES BASIN O OF THE CITY OF COOS BAY COLLECTION SYSTEM. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT A BYPASS PUMPING PLAN FOR APPROVAL FROM THE ENGINEER AND CITY STAFF. PER 2003 CITY OF COOS BAYS WASTEWATER COLLECTION SYSTEM MASTER PLAN ESTIMATED FLOWS FROM BASIN O ~ 0.76 MGD OR ~ 527 GPM. ADDITIONAL INFORMATION CAN BE PROVIDED UPON REQUEST.
- EXISTING SOIL MAY BE UNSTABLE. USE SHORING FOR TRENCH WALLS AS NECESSARY
- WATER MUST REMAIN IN SERVICE DURING CONSTRUCTION, PROTECT PIPES, FITTINGS, VALVES, ETC. IN PLACE
- CONTRACTOR SHALL POTHOLE LOCATE UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO CONFIRM INVERT ELEVATIONS PRIOR TO ORDERING MATERIALS.
- CONTRACTOR SHALL RECONNECT EXISTING LATERALS TO THE NEW MAIN LINE.
- EXISTING ROAD DEPTH OF AC PAVEMENT MAY VARY, DURING DEMOLITION CONTRACTOR SHALL REMOVE ALL AC PAVEMENT WITHIN THE LIMITS IDENTIFIED IN SECTIONS.
- DURING EXCAVATION FOR SANITARY SEWER LINE REPLACEMENT CONTRACTOR SHALL ANTICIPATE VARYING DEPTHS AND THICKNESS'S OF EXISTING AC PAVEMENT THROUGHOUT TRENCH SECTION.
- LIMITS OF NEW AC OVERLAY AND ROADWAY TRANSITION - TAPER AS REQUIRED TO MATCH EXISTING.

1
C1

DEMOLITION AND EXCAVATION



REGISTERED PROFESSIONAL
ENGINEER
63164PE
Mark E Hampton
OREGON
JAN 11 2005
MARK E HAMPTON

EXPIRATION DATE: 06/30/17

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| Designed By: MEH | Drawn By: JBJ | Checked By: WDB |
| Project No: 1201-058 | | |

FINAL FOR CONSTRUCTION
JUNE/30 2016

CITY OF COOS BAY
COOS COUNTY

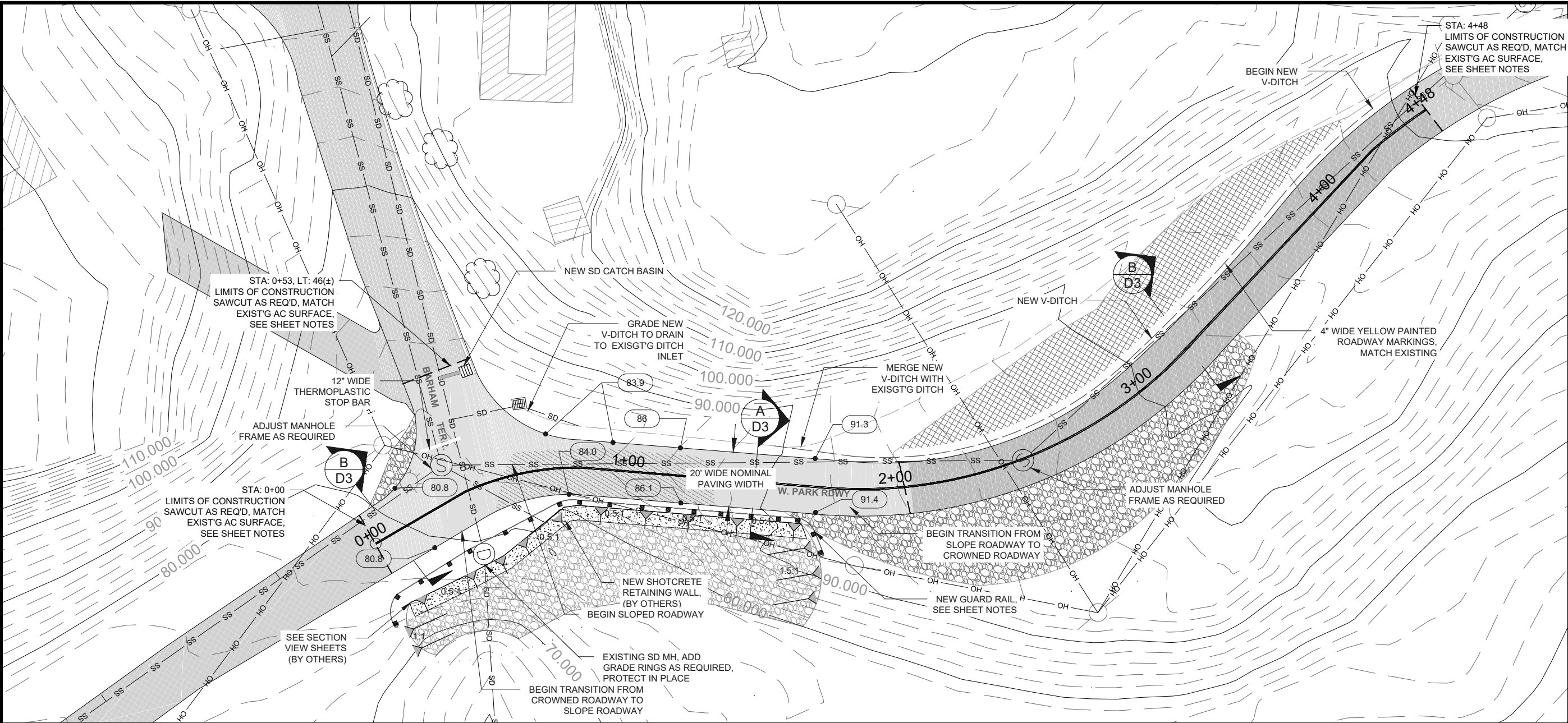
WEST PARK RDWY SANITARY SEWER
REPLACEMENT

DEMOLITION AND EXCAVATION

Sheet No. C1
Date JUNE 2016

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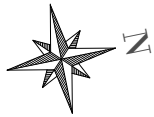
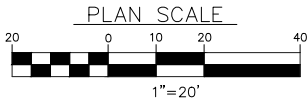
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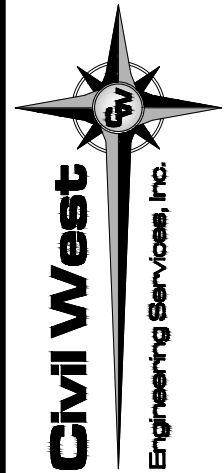
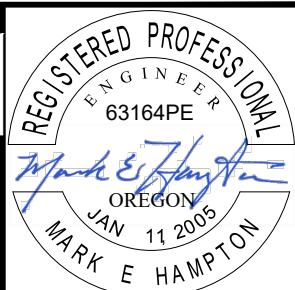
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- EXISTING SOIL MAY BE UNSTABLE. USE SHORING FOR TRENCH WALLS AS NECESSARY
- WATER MUST REMAIN IN SERVICE DURING CONSTRUCTION, PROTECT PIPES, FITTINGS, VALVES, ETC. IN PLACE
- CONTRACTOR SHALL POTHOLE LOCATE UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO CONFIRM INVERT ELEVATIONS PRIOR TO ORDERING MATERIALS.
- CONTRACTOR SHALL RECONNECT ANY EXISTING LATERALS TO THE NEW MAIN LINE.
- ALL EXISTING UTILITIES TO BE PROTECTED IN PLACE UNLESS INDICATED OTHERWISE ON THE PLANS OR SPECIFICATIONS.
- NEW GUARD RAIL CONSTRUCTION AND MATERIAL ACCORDING TO ODOT 2015 SPECIFICATIONS AND ODOT STANDARD DETAIL RD400.
- LIMITS OF NEW AC OVERLAY AND ROADWAY TRANSITION - TAPER AS REQUIRED TO MATCH EXISTING.
- ELEVATIONS AS SHOWN ARE ASSUMED, MINOR SHIFTS/ADJUSTMENTS TO ROADWAY ALIGNMENT AND ELEVATIONS MAY BE REQUIRED TO MEET ACTUAL FIELD CONDITIONS.

1
C3



GRADING PLAN



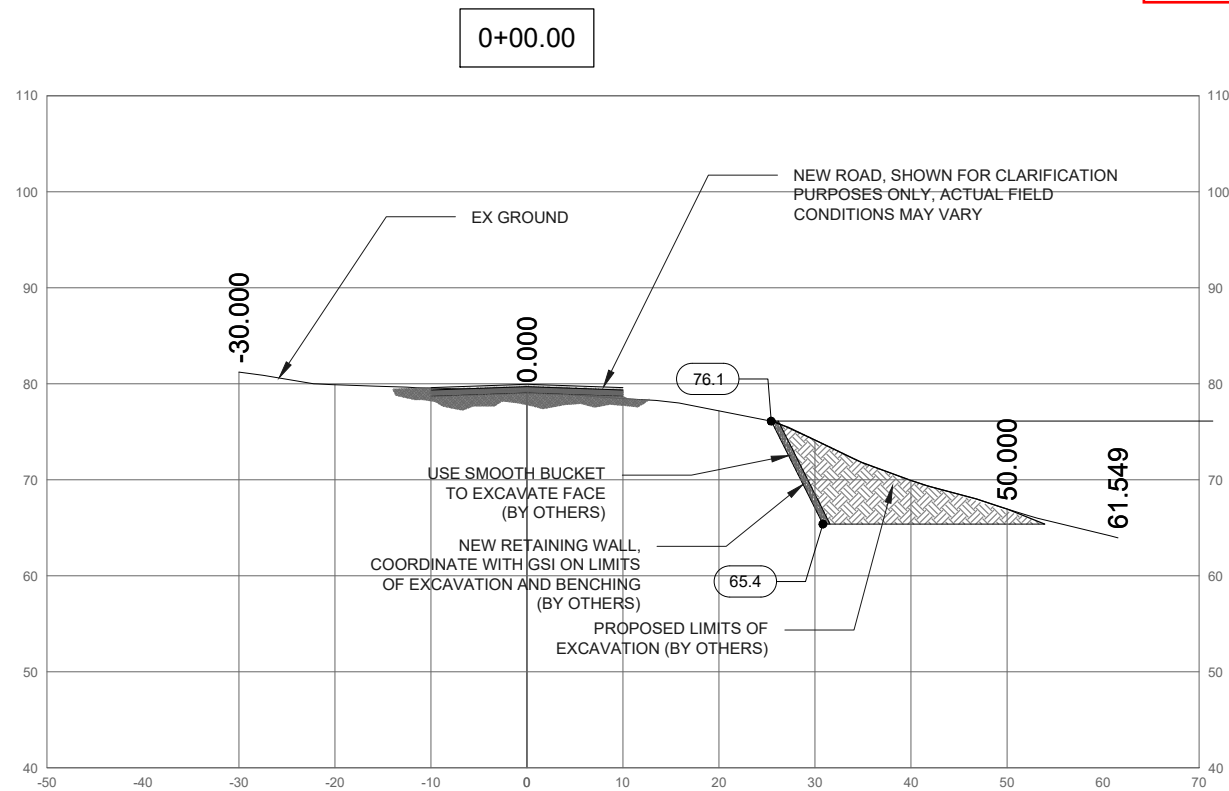
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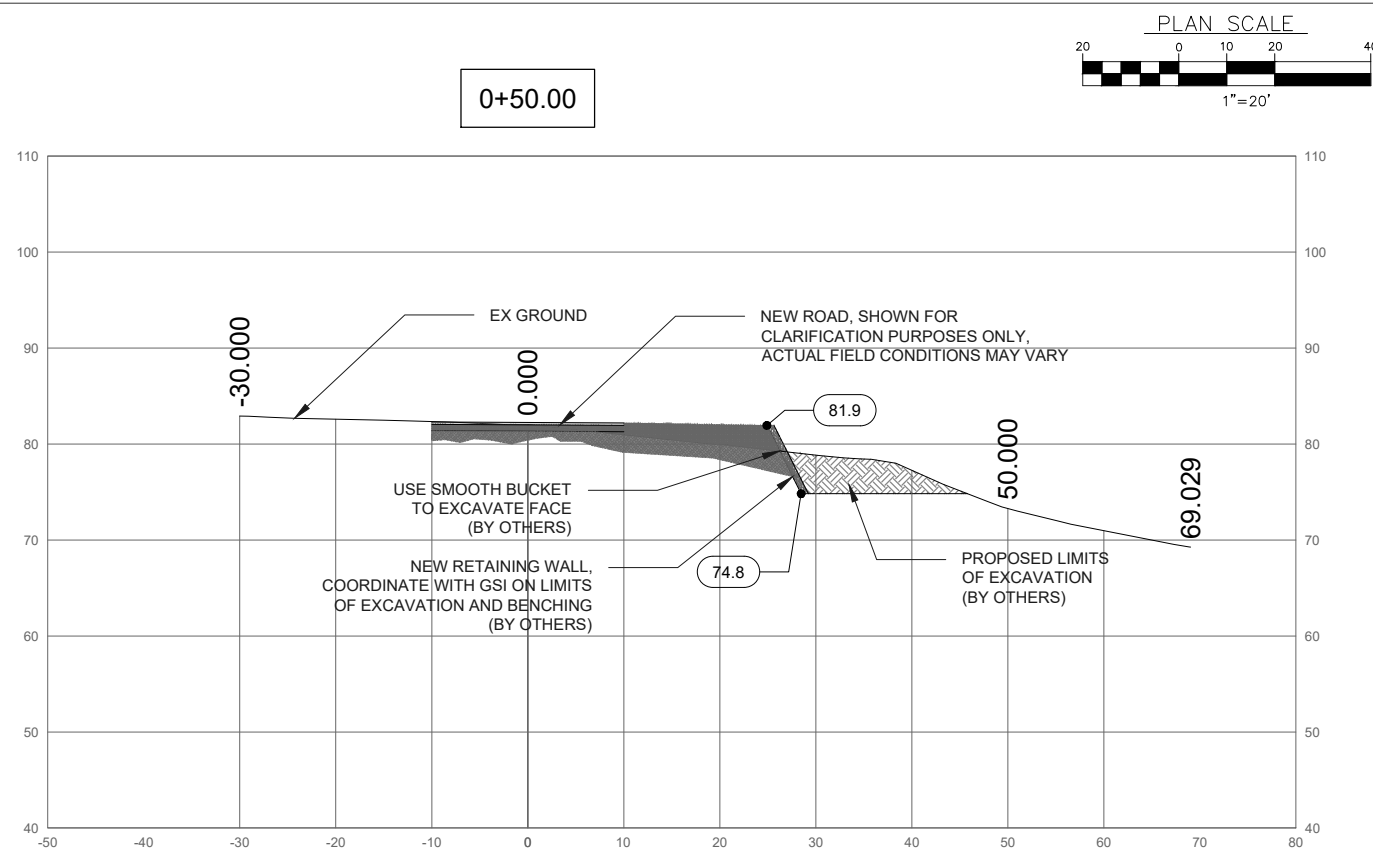
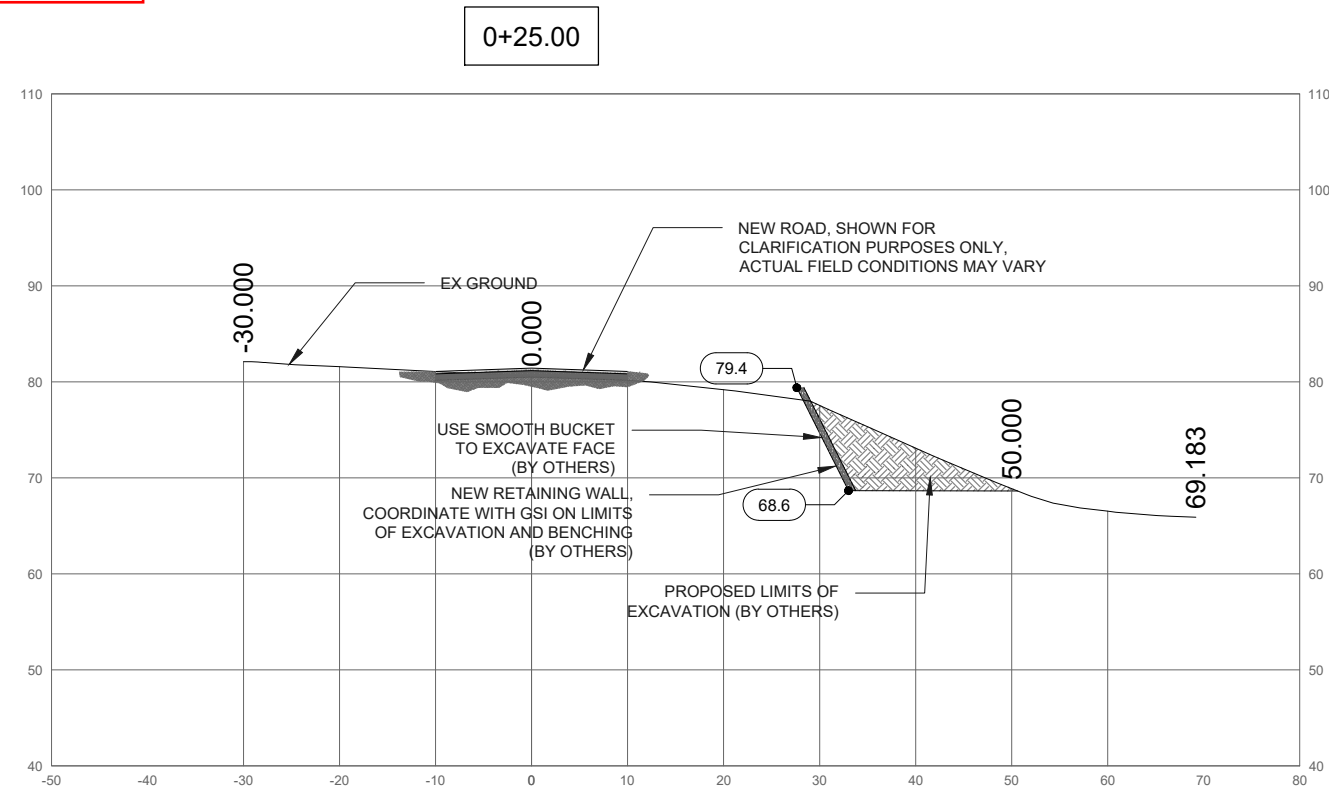
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| CITY OF COOS BAY COOS COUNTY | WEST PARK RDWY SANITARY SEWER REPLACEMENT | GRADING PLAN |
| Sheet No. C3 | | |
| Date: JUNE 2016 | | |

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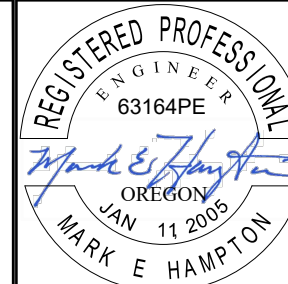
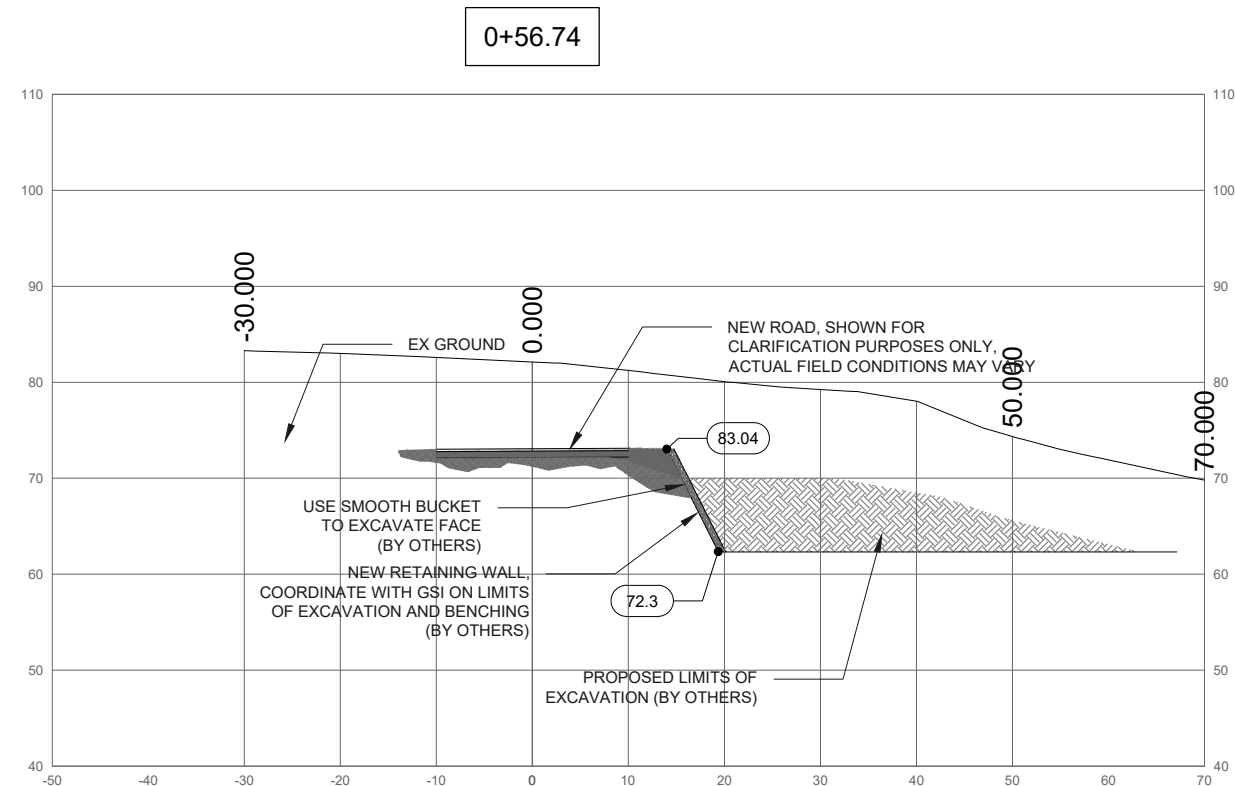
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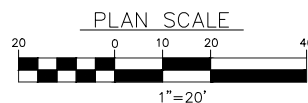
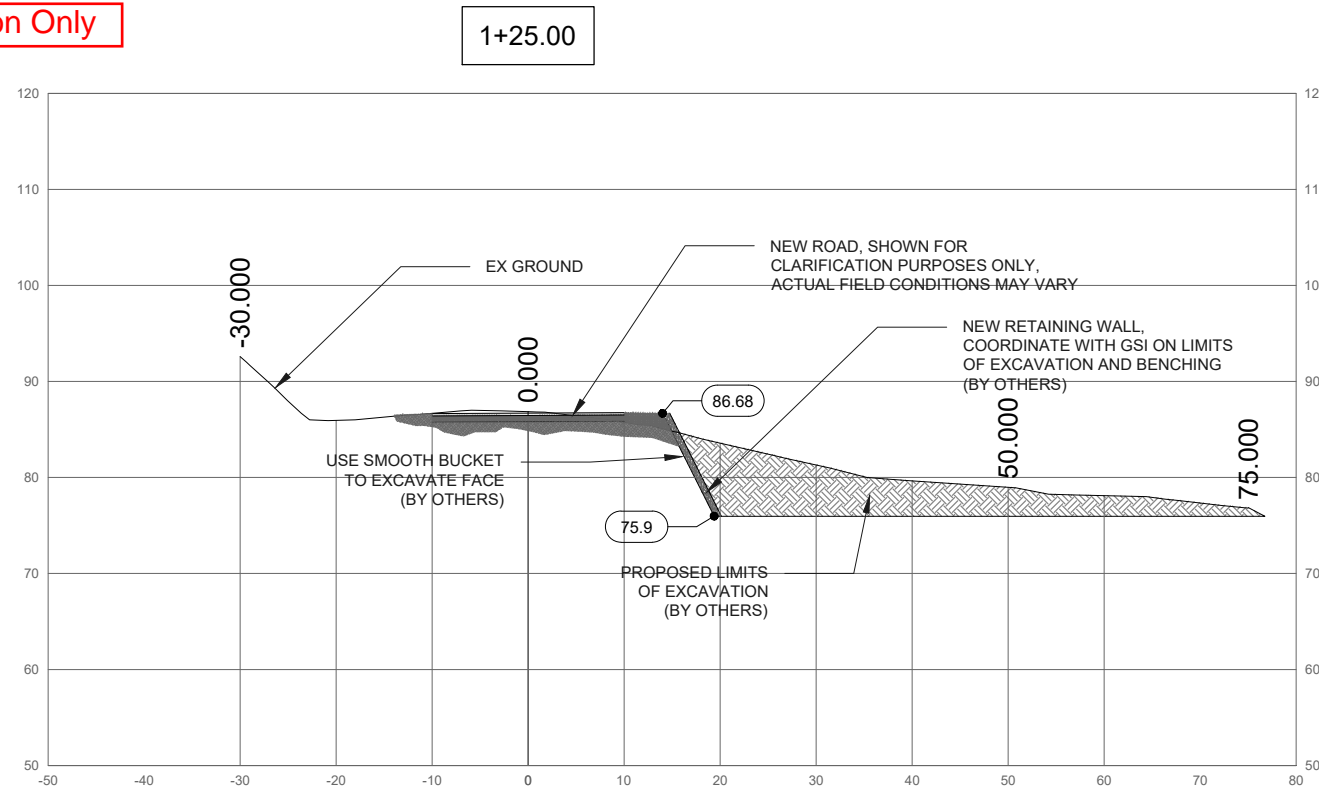
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| <h1>FINAL FOR CONSTRUCTION</h1> <h2>JUNE/30 2016</h2> |
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CITY OF COOS BAY
COOS COUNTY
WEST PARK RDWY SANITARY SEWER
REPLACEMENT
SECTION VIEWS - STA 0+00 THRU 0+75

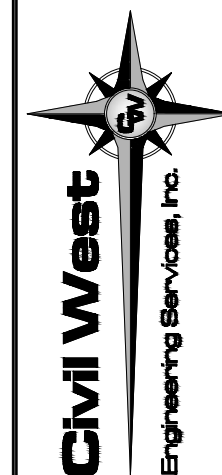
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| Sheet No. | S1 |
| Date | JUNE 2016 |

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FINAL FOR CONSTRUCTION
JUNE/30 2016

WEST PARK RDWY SANITARY SEWER
REPI ACCEMENT

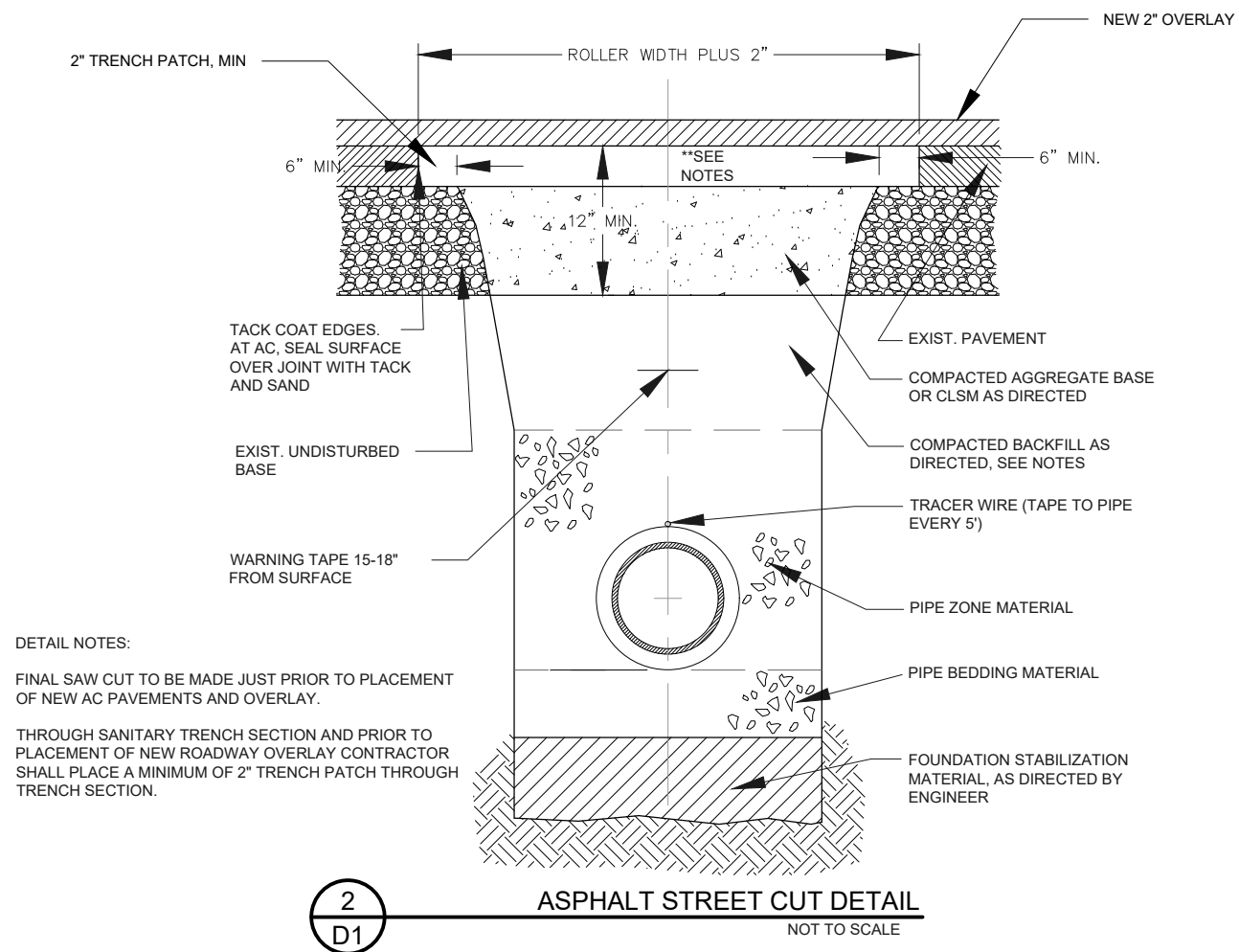
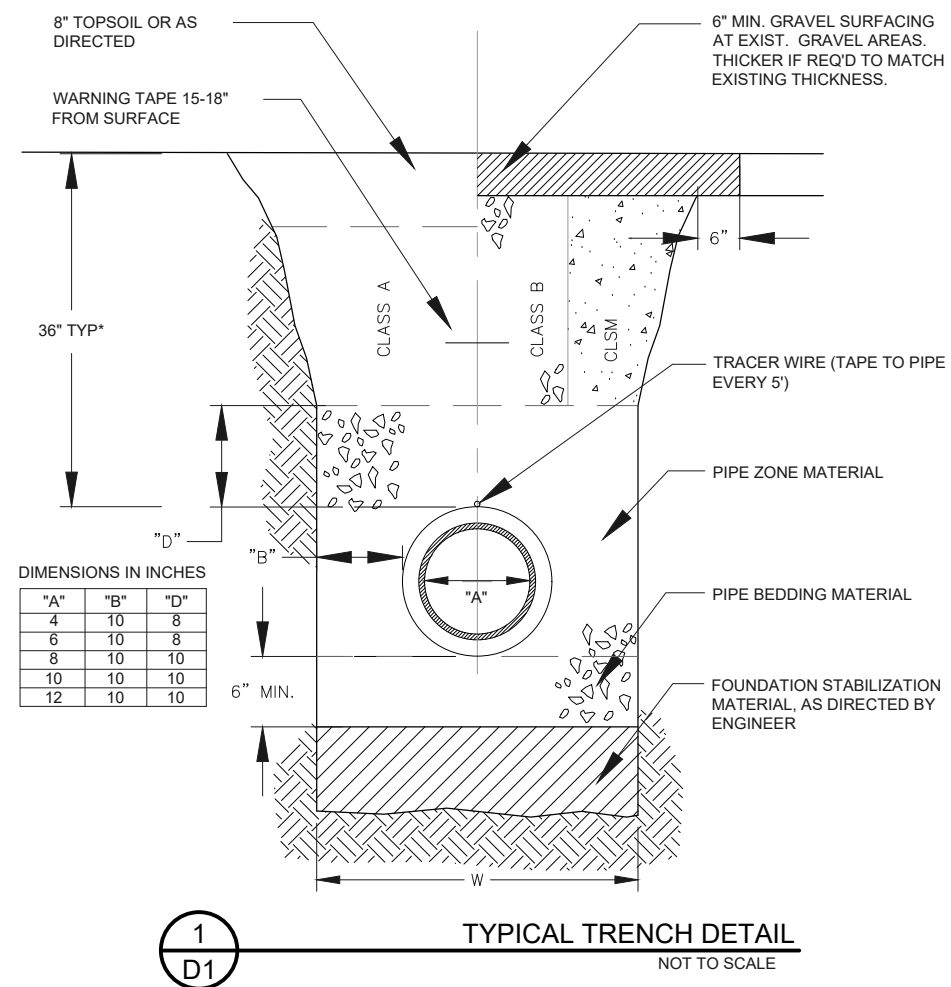
SECTION VIEWS - STA 1+00 THRU 1+75

Sheet No.

S2

JUNE 2016

Revised per Addendum 1 - 7/6/2016



DETAIL NOTES:

FINAL SAW CUT TO BE MADE JUST PRIOR TO PLACEMENT
OF NEW AC PAVEMENTS AND OVERLAY.

THROUGH SANITARY TRENCH SECTION AND PRIOR TO
PLACEMENT OF NEW ROADWAY OVERLAY CONTRACTOR
SHALL PLACE A MINIMUM OF 2" TRENCH PATCH THROUGH
TRENCH SECTION.

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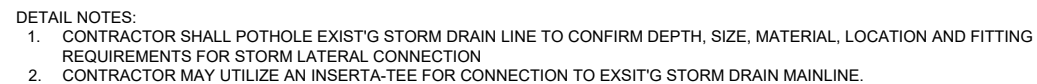
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CITY OF COOS BAY

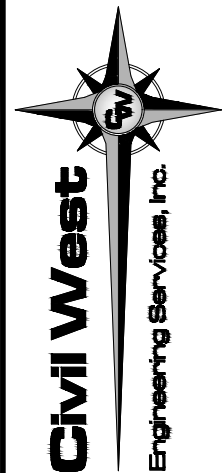
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WEST PARK RDWY SANITARY SEWER
REPLACEMENT

TYPICAL TRENCH + STREET CUT DETAILS



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|----------------------|-----|-----------|-----|-------------|-----|
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FINAL FOR CONSTRUCTION

JUNE/30 2016

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Sheet No.

D2

JUNE 2016

CITY OF COOS BAY
COOS COUNTY

WEST PARK RDWY SANITARY SEWER REPLACEMENT

TYPICAL LATERAL + MANHOLE FRAME ADJUSTMENT

FINAL FOR CONSTRUCTION
JUNE/30 2016

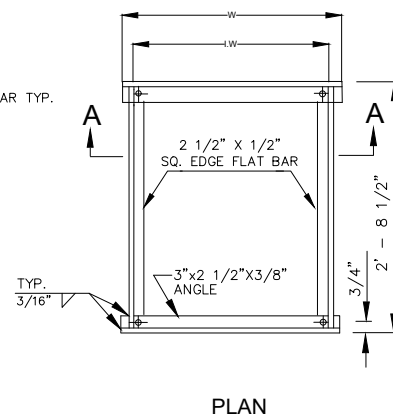
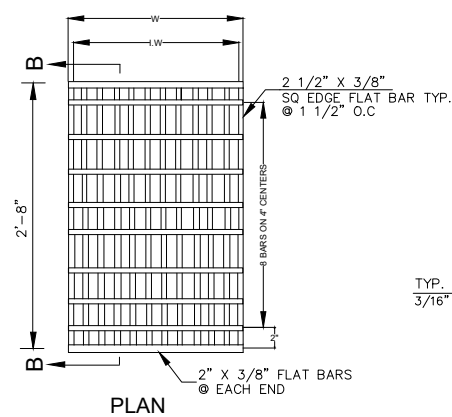


Diagram illustrating the correct placement of a manhole frame and grate on a normal pavement slope. The frame is set back 1 1/2 inches from the curb face. The grate is set back 1 1/2 inches from the frame. The pavement slope is normal.

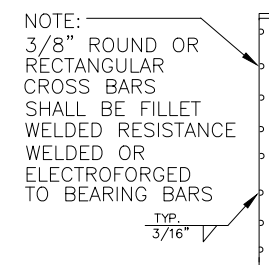


| TYPE | W | I.W |
|----------|-------|-----------|
| STANDARD | 1'-9" | 1'-8 1/4" |

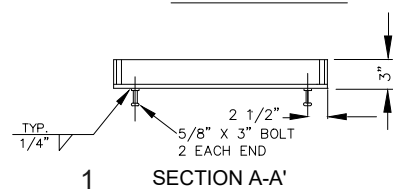
| TYPE | DIA. PIPE | W | I.W |
|----------|-----------|------------|-----------|
| STANDARD | 10"-12" | 1'-10 3/4" | 1'-9 3/8" |



NOTE:
USE VERTICAL BEADS IN CORNERS,
FILLET WELD JOINT ON BOTOM OF
FRAME. GRATE MUST REST FLAT ON
FRAME SURFACE.



SECTION B-B



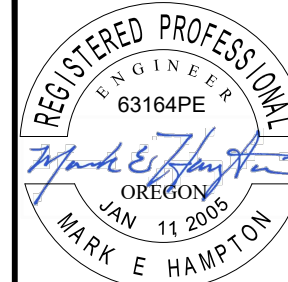
1

SECTION A-A'

1
D4

TYPICAL CATCH BASIN DETAIL

NOT TO SCALE



EXPIRATION DATE: 06/30/17



541-266-8601
www.civilwest.com

486 E Street
Coos Bay, Oregon 97420

| REV. | DATE | DESCRIPTION | BY |
|------|------|-------------|----|
| | | | |
| | | | |
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| | | | |

Designed By: MEH Drawn By: JBJ Checked By: WDB

Project No: 1201-058

FINAL FOR CONSTRUCTION

JUNE/30 2016

CITY OF COOS BAY
COOS COUNTY

WEST PARK RDWY SANITARY SEWER
REPLACEMENT

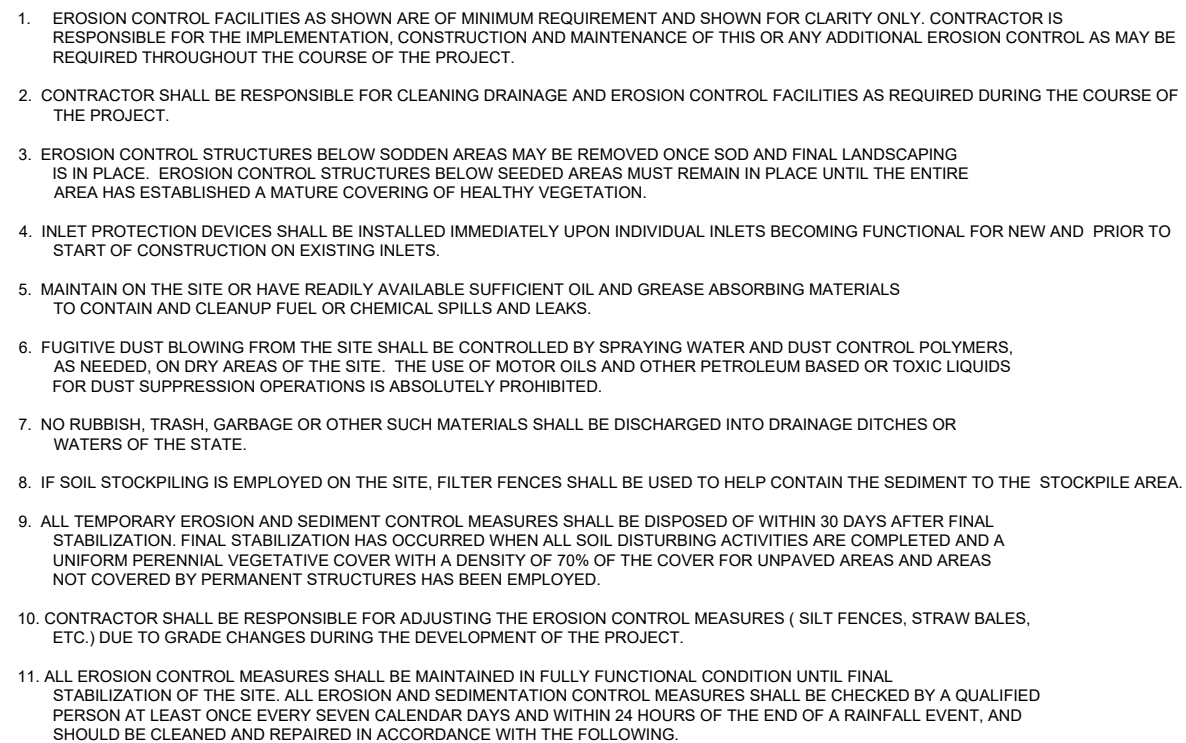
TYPICAL CATCH BASIN DETAIL

| | |
|------|-----------|
| Date | Sheet No. |
|------|-----------|

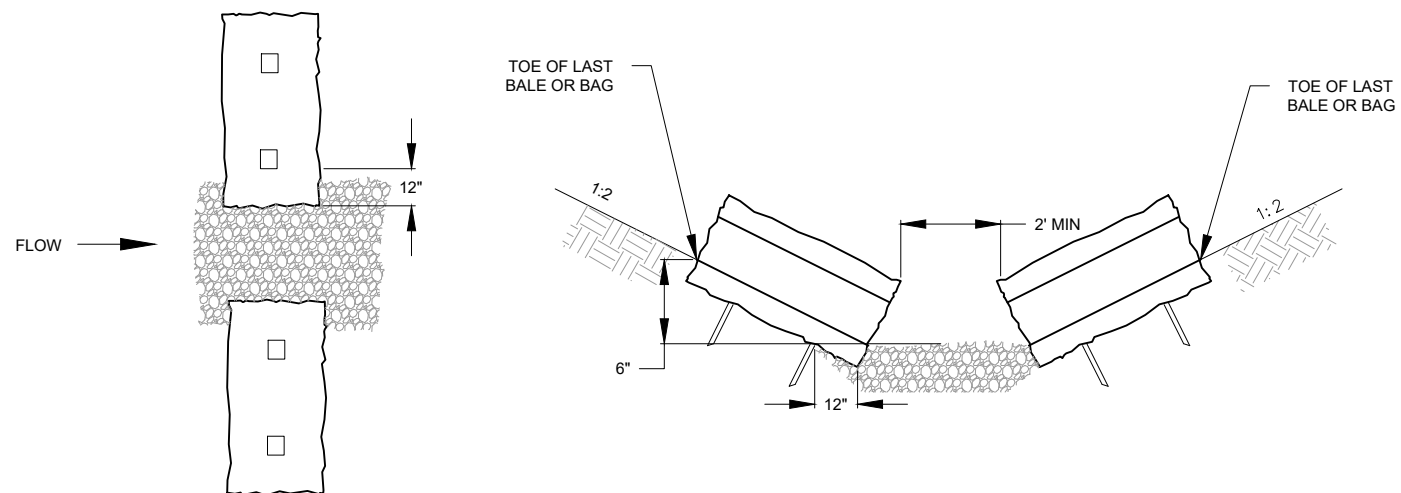
D4

JUNE 2016

Revised per Addendum 1 - 7/6/2016



1. EROSION CONTROL FACILITIES AS SHOWN ARE OF MINIMUM REQUIREMENT AND SHOWN FOR CLARITY ONLY. CONTRACTOR IS RESPONSIBLE FOR THE IMPLEMENTATION, CONSTRUCTION AND MAINTENANCE OF THIS OR ANY ADDITIONAL EROSION CONTROL AS MAY BE REQUIRED THROUGHOUT THE COURSE OF THE PROJECT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DRAINAGE AND EROSION CONTROL FACILITIES AS REQUIRED DURING THE COURSE OF THE PROJECT.
3. EROSION CONTROL STRUCTURES BELOW SODDEN AREAS MAY BE REMOVED ONCE SOD AND FINAL LANDSCAPING IS IN PLACE. EROSION CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION.
4. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY UPON INDIVIDUAL INLETS BECOMING FUNCTIONAL FOR NEW AND PRIOR TO START OF CONSTRUCTION ON EXISTING INLETS.
5. MAINTAIN ON THE SITE OR HAVE READILY AVAILABLE SUFFICIENT OIL AND GREASE ABSORBING MATERIALS TO CONTAIN AND CLEANUP FUEL OR CHEMICAL SPILLS AND LEAKS.
6. FUGITIVE DUST BLOWING FROM THE SITE SHALL BE CONTROLLED BY SPRAYING WATER AND DUST CONTROL POLYMERS, AS NEEDED, ON DRY AREAS OF THE SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS ABSOLUTELY PROHIBITED.
7. NO RUBBISH, TRASH, GARBAGE OR OTHER SUCH MATERIALS SHALL BE DISCHARGED INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
8. IF SOIL STOCKPILING IS EMPLOYED ON THE SITE, FILTER FENCES SHALL BE USED TO HELP CONTAIN THE SEDIMENT TO THE STOCKPILE AREA.
9. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER FINAL STABILIZATION. FINAL STABILIZATION HAS OCCURRED WHEN ALL SOIL DISTURBING ACTIVITIES ARE COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE COVER FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES HAS BEEN EMPLOYED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW BALES, ETC.) DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT.
11. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT, AND SHOULD BE CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING.



CATCH BASIN INSERT

NOT TO SCALE

400 E. Street
Coos Bay, Oregon 97420

CITY OF COOS BAY
COOS COUNTY

WEST PARK RDWY SANITARY SEWER
REPLACEMENT

EROSION CONTROL PLAN

Revised per Addendum 1 - 7/6/2016

D5

JUNE 2016