April 26, 2019

ADDENDUM No. 1
PICKLE ROAD STORM SEWER IMPROVEMENT

CITY OF OREGON
DEPARTMENT OF PUBLIC SERVICE

BIDS TO BE OPENED: Thursday, May 2, 2019 at 10:00 A.M.

Plan holders of the City of Oregon's 2019 Pickle Road Storm Sewer Improvement are hereby notified of the following amendments to the Contract Documents. The following additions, alterations, deletions and/or clarifications shall be part of the Base Bid as much as if they were originally included in the Contract Documents. This Addendum No. 1 is hereby made a part of the Contract Documents.

CONTRACT CHANGES

1) PLAN SHEET UPDATE

Replace "SWPPP Notes" Sheet 4 of 14 with updated sheet dated 4/26/19.

-Item 832 Storm Water Pollution Prevention Plan, As Per Plan has been updated.

Replace "Details" Sheet 5 of 14 with updated sheet dated 4/26/19.

-Trench Details and Asphalt Roadway Section have been updated.

2) ANSWERS TO SUBMITTED QUESTIONS

Question #1 – Will the drive culverts need replaced if they are disturbed?

Drive culverts are anticipated to be removed and not replaced.

Question #2 – Will automatic flaggers or "Road Closed to Thru Traffic" signs be permitted?

The contractor shall maintain a minimum of one-lane (two-way) of traffic through the work zone area along Pickle Road. Whenever one-way traffic is established, at least two flaggers shall be used and signs, cones, barricades, and other traffic control devices shall be erected by the Contractor in accordance with the MUTCD. The Contractor may, in lieu of flaggers, or supplementing them, furnish, install, and operate a temporary traffic signal or signals, for the purpose of regulating traffic.

Residents must be able to get to their driveways at all times except for when work is directly in front of the driveway.

*****END OF ADDENDUM NO. 1*****

Paul Roman, P.E
Director of Public Service

SWPPP NOTES

PROJECT DESCRIPTION
THE PROJECT CONSISTS OF THE REMOVAL OF EXISTING DETERIORATED CONCRETE STORM SEWERS AND INSTALLING A NEW STORM SEWER ALONG PICKLE ROAD BETWEEN S WYNN ROAD AND S STADIUM ROAD. THE WORK ALSO INCLUDES MANHOLE AND CATCH BASIN INSTALLATION AND RELATED WORK.

AREA DISTURBED
1.80 ACRES

RUNOFF COEFFICIENTS
PRE-CONSTRUCTION: 0.30
POST CONSTRUCTION: 0.30

IMPERVIOUS AREA
PRE-CONSTRUCTION: 0.20 ACRES
POST-CONSTRUCTION: 0.20 ACRES

EXISTING SOILS INFORMATION
THE EXISTING SOILS, PER THE NATURAL RESOURCES CONSERVATION SERVICE'S WEB SOIL SURVEY, ARE 96% LATTY SILTY CLAY AND 4% FULTON SILTY CLAY LOAM.

LATTY SILTY CLAY IS VERY POORLY DRAINED WITH A HIGH WATER TABLE. FULTON SILTY CLAY LOAM IS SOMEWHAT POORLY DRAINED.

ADJACENT AREAS
STORM WATER FROM THE WESTERN END OF THE PROJECT DISCHARGES TO WOLF CREEK AND ULTIMATELY TO MAUMEE BAY. THE EASTERN END OF THE PROJECT DISCHARGES TO BEAUCHAINE DITCH, THEN WOLF CREEK, AND ULTIMATELY TO MAUMEE BAY.

SEQUENCE OF CONSTRUCTION
1. INSTALL SILT FENCE AND INLET PROTECTION PRIOR TO ALL SOIL DISTURBANCES.
2. CLEAR THE SITE, LEAVING THE PERIMETER GROUND COVER UNDISTURBED AS MUCH AS POSSIBLE.
3. REMOVE EXISTING STORM SEWER AND PLACE NEW STORM SEWER, WHILE MAINTAINING FLOW.
4. PLACE INLET PROTECTION ON ALL NEW CATCH BASINS AS THEY ARE INSTALLED.
5. AFTER BACKFILLING, SEED AND MULCH.
6. REMOVE TEMPORARY EROSION CONTROL MEASURES UPON ACHIEVEMENT OF 70 PERCENT VEGETATION COVER. STABILIZE ANY DISTURBANCES ASSOCIATED WITH THE REMOVAL OF THE TEMPORARY EROSION CONTROL MEASURES.

NOTES
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF OREGON EROSION CONTROL MEASURES. TEMPORARY EROSION CONTROL SHALL CONFORM TO OHIO EPA PERMIT NO: 0HC000005. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS & SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (2006), OR MOST CURRENT.

2. THE EROSION CONTROL MEASURES DESCRIBED HEREIN ARE TYPICAL. THE CONTRACTOR SHALL USE THIS PLAN AS A GUIDE TO CONTROL EROSION. IN THE EVENT OF ADVERSE WEATHER CONDITIONS, ETC. ADDITIONAL MEASURES SHALL BE TAKEN TO ESTABLISH AND MAINTAIN PROTECTIVE VEGETATION.

3. THIS WORK CONSISTS OF LOCATING, FURNISHING, INSTALLING, AND MAINTAINING TEMPORARY SEDIMENT AND EROSION CONTROL BEST MANAGEMENT PRACTICES FOR EARTH DISTURBING ACTIVITY AREAS, DEVELOPING A STORM WATER POLLUTION PREVENTION PLAN, AND FILING A CO-PERMITTE FORM AS REQUIRED. WORK SHALL NOT COMMENCE UNTIL A COPY OF THE OHIO EPA LETTER GRANTING COVERAGE, FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) HAS BEEN SUBMITTED TO THE LOCAL MUNICIPALITY.

4. CONTRACTOR SHALL INSTALL A RAIN GAUGE IN AN OPEN AREA PRIOR TO COMMENCING CONSTRUCTION. RAIN GAUGE SHALL BE EMPTIED AT THE BEGINNING OF EACH WORKING DAY AND MEASUREMENTS OF 0.5 INCHES OR GREATER SHALL BE RECORDED IN THE EROSION CONTROL INSPECTION LOG.

5. ALL SWPPP ITEMS MUST BE INSTALLED AND INSPECTED BY THE CITY OF OREGON PRIOR TO ANY EARTH MOVING OPERATIONS.

6. AT THE PRECONSTRUCTION MEETING, SUBMIT THE NAME OF THE QUALIFIED INSPECTION PERSONNEL RESPONSIBLE FOR CONDUCTING THE WEEKLY AND EVENT EROSION CONTROL INSPECTIONS OF THE CONSTRUCTION SITE.

7. CONTINUOUS MAINTENANCE WILL BE REQUIRED AS NECESSARY UNTIL PERMANENT, STABLE VEGETATIVE COVER HAS BEEN ESTABLISHED AND EROSION HAS BEEN CONTROLLED. THIS INCLUDES BUT IS NOT LIMITED TO: RESEEDING, MULCHING, EARTH FILLING, ETC.

8. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM WITH RESPECT TO AREAS EXPOSED AND TIME OF EXPOSURE.

9. TO ASSIST ON EROSION CONTROL, ALL TREES AND VEGETATION OUTSIDE OF GRADED AREAS SHALL REMAIN.

10. SEDIMENT PONDS/TRAPS AND PERIMETER CONTROLS SHALL BE IMPLEMENTED AS A FIRST STEP OF GRADING AND WITHIN 7 DAYS OF GRUBBING AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND AREAS ARE STABILIZED.

11. SILT FENCE FABRIC SHALL BE EXXON GTF-100S OR APPROVED EQUAL.

12. TEMPORARY STABILIZATION (SEEDING AND/OR MULCHING) TO DISTURBED AREAS MUST BE APPLIED: 1) WITHIN 7 DAYS OF LAST DISTURBANCE ON ANY AREA THAT WILL LIE DORMANT FOR 21 DAYS OR LONGER. (IN THE CASE OF A RESIDENTIAL SUBDIVISION, AT LEAST 7 DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT); 2) WITHIN 2 DAYS ON ANY AREA WITHIN 50 FT. OF A STREAM; AND 3) PRIOR TO THE ONSET OF WINTER IN THOSE AREAS THAT WILL BE IDLE OVER WINTER. PERMANENT STABILIZATION TO DISTURBED AREAS MUST BE APPLIED TO ANY AREA: 1) WITHIN 7 DAYS OF REACHING FINAL GRADE; 2) WITHIN 7 DAYS FOR AREAS THAT WILL LIE DORMANT FOR 1 YEAR OR MORE, OR 3) WITHIN 2 DAYS OF REACHING FINAL GRADE WITHIN 50 FT. OF A STREAM. DISTURBED AREAS SHALL BE STABILIZED WITH SEEDING OR MULCHING OR OTHER APPROPRIATE MEANS.

13. WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED.

14. THE ESTABLISHMENT OF PERMANENT GROUND COVER SHALL BE PER SEEDING AND MULCHING NOTES.

15. FINAL SITE STABILIZATION IS CONSIDERED ACHIEVED ONCE ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES ARE REMOVED AND DISPOSED OF AND ALL TRAPPED SEDIMENT HAS BEEN PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.

16. IF SMALL RILLS OR GULLIES DEVELOP, TEMPORARY DIVERSIONS OF EARTH FILL OR STRAW BALES SHOULD BE INSTALLED UNTIL SATISFACTORY SEEDING IS ESTABLISHED.

17. EROSION CONTROL BLANKETS WITH MATTING WILL BE USED ON DITCHES GREATER THAN 1.5% AND ALL OTHER SLOPES GREATER THAN 6% GRADE.

18. THE CONTRACTOR SHALL PROVIDE REGULAR INSPECTION AND MAINTENANCE FOR ALL EROSION CONTROL PRACTICES. PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE MAINTAINED THROUGHOUT CONSTRUCTION. INSPECTIONS MUST BE MADE BY QUALIFIED INSPECTION PERSONNEL A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GRATER THAT 0.5 INCHES IN A 24 HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, CERTIFICATION OF COMPLIANCE, AND CORRECTIVE MEASURES TAKEN. INSPECTION RECORDS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF CONSTRUCTION ACTIVITIES.

19. NON-SEDIMENT POND BMPS SHALL BE REPAIRED WITHIN 3 DAYS OF INSPECTION. SEDIMENT POND BMPS SHALL BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION. BMPS NOT MEETING THEIR INTENDED FUNCTION OR MISSING SHALL BE REPAIRED OR REPLACED WITHIN 10 DAYS.

20. ONCE THE CONSTRUCTION ACTIVITY IS COMPLETED, SUBMIT A COPY OF THE NOTICE OF TERMINATION (N.O.T.) WITHIN 45 DAYS AFTER SITE STABILIZATION HAS BEEN ACHIEVED.

21. ADJACENT ROADS SHALL BE KEPT FREE OF DIRT AND DEBRIS AT ALL TIMES.

22. CONTAINERS SHALL BE AVAILABLE FOR DISPOSAL OF DEBRIS, TRASH, HAZARDOUS OR PETROLEUM WASTES. ALL CONTAINERS MUST BE COVERED AND LEAK-PROOF. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THE PERTINENT MATERIAL.

23. AREA SHALL BE DESIGNATED BY CONTRACTOR AND SHOWN ON SWPPP MAP FOR MIXING OR STORAGE OF COMPOUNDS SUCH AS FERTILIZER, LIME, ASPHALT, OR CONCRETE. THESE DESIGNATED AREAS SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS, OR OTHER STORMWATER DRAINAGE AREAS.

24. EQUIPMENT FUELING AND MAINTENANCE SHALL BE IN DESIGNATED AREAS ONLY.

25. A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN MUST BE DEVELOPED FOR SITES WITH ONE ABOVE-GROUND STORAGE TANK OF 660 GALLONS OR MORE, TOTAL ABOVE-GROUND STORAGE OF 1,330 GALLONS OF BELOW-GROUND STORAGE OF 4,200 GALLONS OF FUEL.

26. ALL CONTAMINATED SOIL MUST BE TREATED AND/OR DISPOSED OF IN AN EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES.

27. NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF. IT IS PROHIBITED TO BURN, BURY, OR POUR ONTO THE GROUND OR INTO A STORM WATER CONVEYANCE ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, USED MOTOR OIL, ANTIFREEZE, CEMENT CURING COMPOUNDS, AND OTHER SUCH HAZARDOUS WASTES. ANY RINSE WATERS CONTAINING SUCH MATERIALS ARE PROHIBITED BEING PLACED WHERE THEY MAY ENTER DRAINAGEWAYS. WASH OUT OF CEMENT TRUCKS SHOULD OCCUR ON A DIKED, DESIGNATED AREA, AWAY FROM ANY CONVEYANCE CHANNEL. STORAGE TANKS, EQUIPMENT MAINTENANCE, AND CHEMICAL MIXING SHOULD BE LOCATED IN DIKED AREAS AWAY FROM DRAINAGE CHANNELS.

28. OFF-SITE VEHICLE TRACKING OF SEDIMENT SHALL BE MINIMIZED. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD(S) NOTED ON THE PLAN.

29. ALL STORAGE TANKS, EQUIPMENT MAINTENANCE AND CHEMICAL MIXING SHALL BE LOCATED/COMPLETED IN DIKED AREAS AWAY FROM DRAINAGE CHANNELS.

30. SPILLS OF LESS THAN 25 GALLONS OF PETROLEUM PRODUCT AND SOIL FOUND TO BE CONTAMINATED SHALL BE PROPERLY DISPOSED OFF-SITE AT AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR A HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY PER LOCAL, STATE AND FEDERAL REGULATIONS.

31. PETROLEUM PRODUCT SPILLS OF 25 GALLONS OR GREATER AND ALL SPILLS WHICH RESULT IN CONTACT WITH WATERS OF THE STATE SHALL BE REPORTED TO THE OHIO EPA'S SPILL HOTLINE (1-800-282-9378), THE LOCAL FIRE DEPARTMENT AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF A RELEASE.

32. PROTECTED STORAGE AREAS FOR CONSTRUCTION MATERIALS ARE SUGGESTED AND CONTRACTOR SHALL INDICATE LOCATION ON PLANS.

TEMPORARY EROSION CONTROL
THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT CONTROL MEASURES, AS NECESSARY, IN ACCORDANCE WITH THE OHIO RAINWATER AND LAND DEVELOPMENT (2006). ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF OREGON EROSION CONTROL MEASURES AND SHALL CONFORM TO ODOT ITEM 832, TEMPORARY SOIL EROSION AND SEDIMENT CONTROL.

THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS AND INSTALL MEASURES REQUIRED TO REASONABLY CONTROL SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE. APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.

TEMPORARY EROSION CONTROL SHALL CONSIST OF, BUT NOT BE LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECESSARY TO PREVENT, CONTROL AND ABATE WATER, MUD AND EROSION DAMAGE TO PUBLIC AND PRIVATE PROPERTY AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT.

ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.

BMPS SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, BMPS SHALL BE INSPECTED PRIOR TO PREDICTED STORM EVENTS AND FOLLOWING STORM EVENTS.

ITEM 832 STORM WATER POLLUTION PREVENTION PLAN, AS PER PLAN
THE CONTRACTOR SHALL PREPARE A SWPPP PER ODOT SS 832.09. THE LUMP SUM AMOUNT BID FOR THE SWPPP SHALL INCLUDE ALL WORK ASSOCIATED WITH DEVELOPMENT, DESIGN, NPDES REQUIRED INSPECTION, MODIFICATION, REVISION, UPDATES, AMENDMENTS, AND REPORTING RELATED TO THE SWPPP.

THE SWPPP MAY BE PREPARED BY EITHER A QUALIFIED PROFESSIONAL ENGINEER OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC).

1 4/26/19

ITEM 832 EACH EROSION CONTROL
PAYMENT FOR PROPERLY INSTALLED AND ACCEPTED BMPS WILL BE BASED ON THE UNIT PRICES SHOWN IN APPENDIX F OF SS 832 PER ITEM 832 EACH, EROSION CONTROL UNLESS A SEPARATE UNIT PRICE WAS ESTABLISHED PER THE BID REFERENCES. A FIXED BID AMOUNT IS SHOWN FOR ITEM 832 EACH, EROSION CONTROL ON THE BID FORM BASED ON THE ESTIMATED TOTAL COST OF BMP WORK REQUIRED TO BE PERFORMED FOR THE PROJECT. ALL BMP WORK WILL BE PAID AND THE PROPOSAL PRE-DETERMINED UNIT PRICE TIMES THE CORRECTLY INSTALLED BMP NUMBER OF UNITS.

SPECIFICATIONS FOR DEWATERING

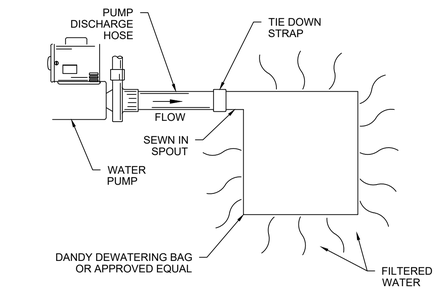
ANY DEWATERING OF CONSTRUCTION WATER SHALL BE COMPLETED THROUGH A DEWATERING BAG TO A CITY APPROVED OUTLET. OUTLETS SHALL BE PROTECTED FROM SCOUR BY RIPRAP PROTECTION, FABRIC LINER, OR OTHER ACCEPTABLE METHOD OF PROTECTION.

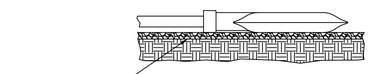
"DANDY DEWATERING BAG" OR APPROVED EQUAL INSTALLATION

1. LIFTING STRAPS (NOT INCLUDED) SHOULD BE PLACED UNDER THE UNIT TO FACILITATE REMOVAL AFTER USE.
2. UNFOLD "DANDY DEWATERING BAG" ON A STABILIZED AREA OVER DENSE VEGETATION, STRAW, OR GRAVEL (IF AN INCREASED DRAINAGE SURFACE IS NEEDED) OR AS DETAILED IN PLANS.
3. INSERT DISCHARGE HOSE FROM PUMP INTO "DANDY DEWATERING BAG" A MINIMUM OF SIX IN. AND TIGHTLY SECURE WITH ATTACHED STRAP TO PREVENT WATER FORM FLOWING OUT OF THE UNIT WITHOUT BEING FILTERED.

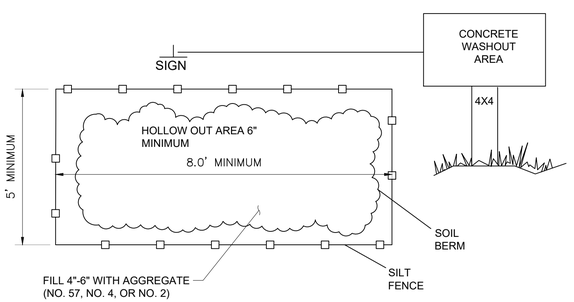
"DANDY DEWATERING BAG" OR APPROVED EQUAL MAINTENANCE
REPLACE THE UNIT WHEN 1/2 FULL OF SEDIMENT OR WHEN SEDIMENT HAS REDUCED THE FLOW RATE OF THE PUMP DISCHARGE TO AN IMPRACTICAL RATE.

REMOVE AND DISPOSE OF THE SEDIMENT IN A MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR OR IN ONE OF THE FOLLOWING WAYS:
A. REMOVE THE UNIT AND SEDIMENT FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS. AT THE APPROVED DISPOSAL SITE, SLIT THE UNIT; REMOVE THE SEDIMENT AND GRADE SMOOTHLY INTO THE EXISTING TOPOGRAPHY. DISPOSE OF UNIT NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.
B. BURY UNIT ON SITE; REMOVE ANY VISIBLE FABRIC AND SEED.

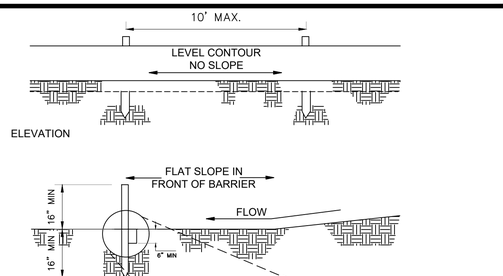




DANDY DEWATERING BAG
NTS



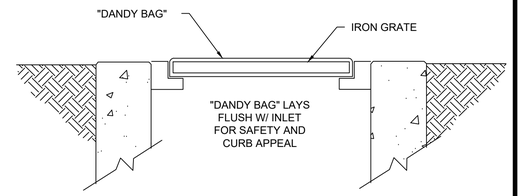
CONCRETE WASHOUT
NTS



MAINTENANCE:
SILT FENCE MUST BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. SILT FENCE FOUND DAMAGED OR IMPROPERLY INSTALLED SHALL BE REPLACED OR REPAIRED.

SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE SILT FENCE..

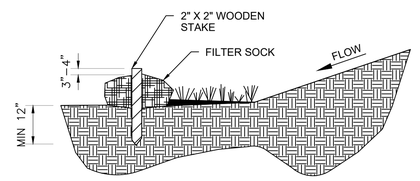
SILT FENCE
NTS



MAINTENANCE:
REMOVE DRIED SEDIMENT FROM SURFACE OF UNIT WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.

TO INSPECT CATCH BASIN: REMOVE UNIT WITH GRATE INSIDE, INSPECT CATCH BASIN AND REPLACE UNIT.

INLET PROTECTION, APP
NTS



INSTALLATION:
FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MID-SLOPE. FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATED FLOW SITUATIONS OR IN RUNOFF CHANNELS.

MAINTENANCE:
ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES. REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE SOCK. WHERE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE. REMOVAL - FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH AS WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.

FILTER SOCK
NTS

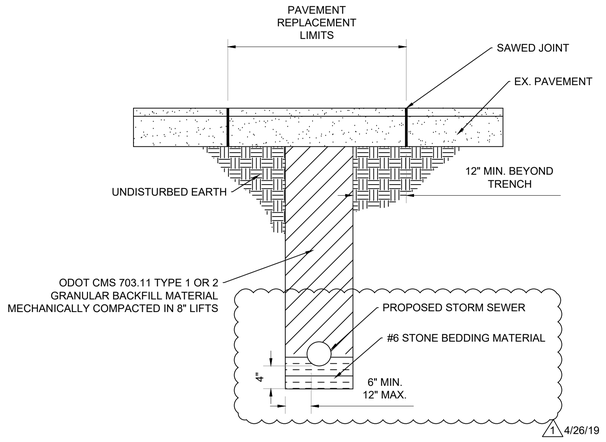
REVISIONS
#1 - 4/26/19

SCALE

DRAWN BEB
CHECKED RMS
DATE 12/14/18

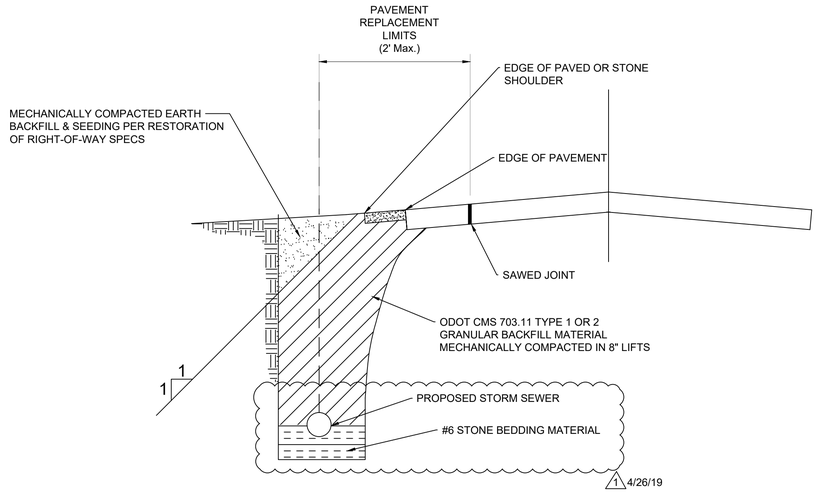
SWPPP NOTES

CITY OF OREGON
PICKLE ROAD STORM SEWER IMPROVEMENT



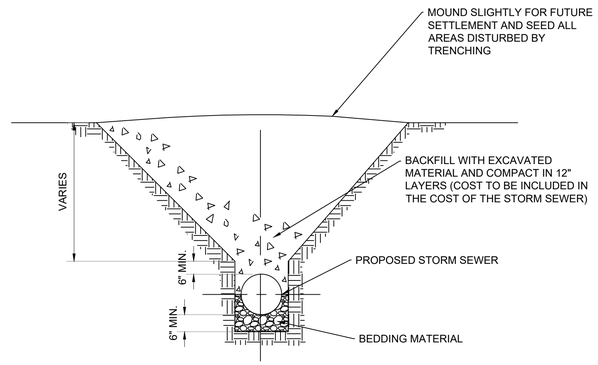
TRENCH DETAIL UNDER ROADWAY AND DRIVEWAY PAVEMENT

NTS



GRANULAR BACKFILLING OF TRENCH DETAIL

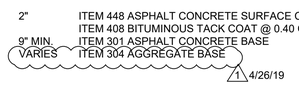
NTS



OPEN FIELD TRENCH SECTION

NTS

ASPHALT ROADWAY SECTION



DRIVEWAY REPLACEMENT SECTIONS

CONCRETE DRIVEWAYS

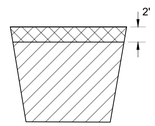
6" ITEM 452 PORTLAND CEMENT CONCRETE
VARIES ITEM 304 AGGREGATE BASE
(REPLACEMENT TO BE FROM EDGE OF PAVEMENT TO NEAREST EXPANSION JOINT)

ASPHALT DRIVEWAYS

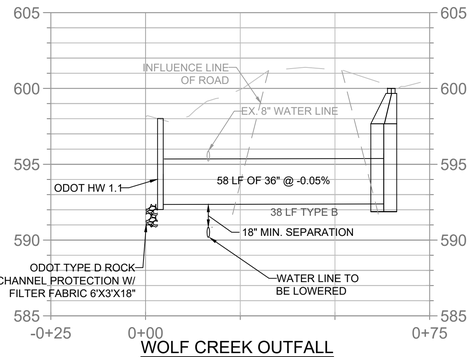
3" ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1
6"+ ITEM 304 AGGREGATE BASE

STONE & GRAVEL DRIVEWAYS

3" ITEM 411 STABILIZED CRUSHED AGGREGATE, OR AGGREGATE TO MATCH EXISTING, PER OWNER'S REQUEST
VARIES ITEM 304 AGGREGATE BASE

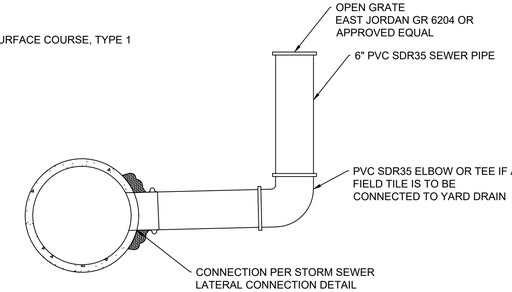


NOTE:
CONCRETE DRIVEWAYS SHALL BE LEFT 2' BACK FROM EDGE OF PAVEMENT. ASPHALT DRIVEWAY SECTION SHALL BE PLACED BETWEEN EDGE OF PAVEMENT AND CONCRETE DRIVEWAY.



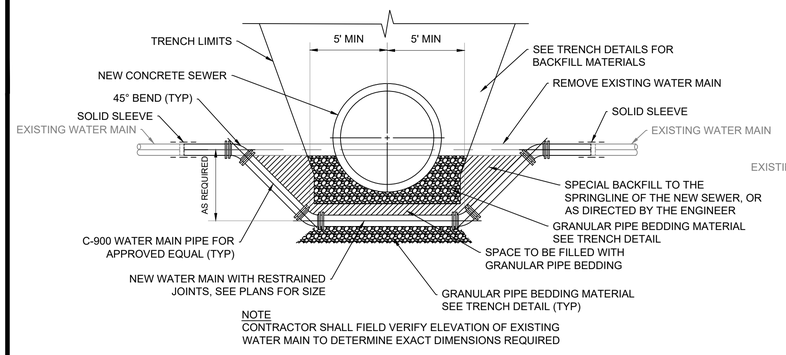
WOLF CREEK OUTFALL

1=20' H, 1=5' V



6" YARD BASIN, AS PER PLAN

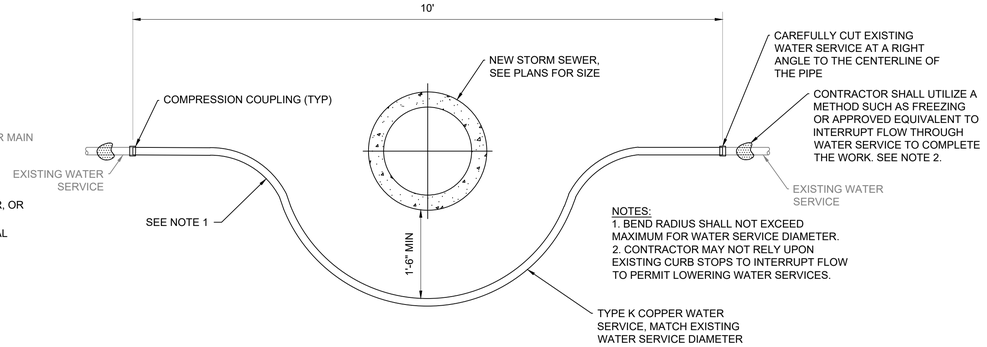
NTS



NOTE
CONTRACTOR SHALL FIELD VERIFY ELEVATION OF EXISTING WATER MAIN TO DETERMINE EXACT DIMENSIONS REQUIRED

LOWERING EXISTING 8" WATER MAIN, AS PER PLAN

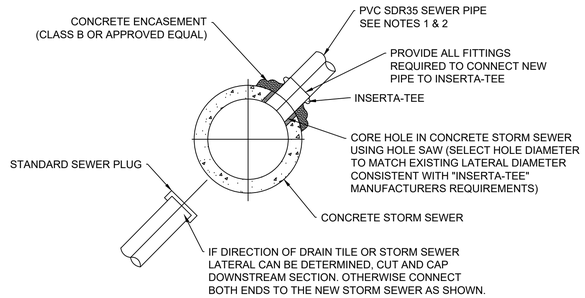
NTS



NOTES:
1. BEND RADIUS SHALL NOT EXCEED MAXIMUM FOR WATER SERVICE DIAMETER.
2. CONTRACTOR MAY NOT RELY UPON EXISTING CURB STOPS TO INTERRUPT FLOW TO PERMIT LOWERING WATER SERVICES.

WATER SERVICE LOWERING DETAIL

NTS



NOTES:
1. EXISTING DRAIN TILES OR STORM SEWER LATERALS INTERSECTING THE NEW STORM SEWER SHALL BE CUT AND CONNECTED AS SHOWN
2. CONNECT NEW SEWER LATERAL TO EXISTING PIPE AS SHOWN .

STORM SEWER LATERAL CONNECTION DETAIL

NTS

REVISIONS
#1 - 4/26/19

SCALE

DRAWN BEB
CHECKED RMS
DATE 12/14/18

DETAILS

CITY OF OREGON
PICKLE ROAD STORM SEWER IMPROVEMENT