Department of Public Service
5330 Seaman Road
Oregon, Ohio 43616
(419) 698-7047
FAX (419) 691-0241

September 6, 2019

ADDENDUM No. 1
West Municipal Complex Site Improvements

CITY OF OREGON
DEPARTMENT OF PUBLIC SERVICE

BIDS TO BE OPENED: Thursday, September 19, 2019 at 10:00 A.M.

Plan holders of the City of Oregon's West Municipal Complex Site Improvements 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) **UPDATED ESTIMATE**

   Replace PAGE 4 in the Information to Bidders with **REVISED PAGE 4 DATED 9/6/19.**

2) **PROJECT BID FORM**

   Replace PAGES 7 and 8 in the Project Bid Form with the attached **REVISED PROJECT BID FORM – REVISED PAGES 7 AND 8 DATED 9/6/19.**

3) **PLAN REVISIONS**

   Replace ALL PAGES in the Plan Set with the attached **REVISED PLAN SET DATED 9/6/19.**

Paul Roman, P.E
Director of Public Service

14. Secondhand and/or salvaged materials may not be used unless specifically provided for in the detailed specifications or called for on the plans.

15. The Contractor must pay at least the wage rate subsequently listed in the General Conditions.

16. The Contractor shall not assign his Contract or any part thereof without the approval of the City nor without the consent of the surety unless the surety has waived its right to notice of assignment.

17. The Contract will be awarded to the lowest and best bidder. Best bidder will be determined by the Best Bid Criteria as defined by Chapter 180 of the Oregon Municipal Code. The Contract may not be awarded if the price of the Contract is in excess of 10% of the project estimated cost of:

$550,000.00

Bid items may be deleted in their entirety and decreased or increased. The final contract price shall be determined by deleting or adding work at the Bid Unit Prices.

18. The City may award other contracts for additional work and the Contractor shall fully cooperate with such other contractors and carefully fit his own work to that provided under other contracts as may be directed by the City. The Contractor shall not commit nor permit any act, which will interfere with the performance of work by any other contractor or by City employees.

19. Five (5) executed copies of the Contract and Bond will be required.

20. The preliminary estimate previously given is approximate only and the City assumes no responsibility for its accuracy. The Contractor is cautioned to make his own investigations and determinations of the conditions under which the work will be performed and to base his bid accordingly.

21. It is the intention of the City to award one or more contracts for the construction of all of the work described in these specifications.

22. Water for construction will be available to the Contractor, but he will be required to pay the usual rates charged in the City. The Contractor shall also pay for all other utility services provided.

23. Omitted.

24. Prior to the execution of the contract documents, the City will require the Contractor to furnish certificates of his insurance coverage as subsequently required in Paragraphs 13, 14 and 15 of the General Conditions. Such insurance shall contain provisions for a 15-day prior notice of cancellation and in the event that any insurance policy is to terminate, expire or be canceled, copies of such prior notice shall be mailed to the Director of Public Service of the City of Oregon, Ohio.

25. The Contractor shall submit to the City an affidavit listing the names of all partners in a firm, or in the case of a Corporation, a list of all officers of said Corporation.

26. The Contract will be awarded on the basis of the base bid. However, after the award of the Contract, the City reserves the right to accept material not specified for the base bid at either a deduction or addition to the Contract price.

27. The Contractor shall be required to furnish sufficient lights, barricades, torches and flagmen to meet full safety requirements and shall work closely with the local Police Department in maintaining at least one way traffic, whenever possible, on the streets where the work is being performed.

During the hours of darkness, sufficient warning lights shall be provided along the route of the construction.

28. The Contractor's attention is directed to the fact that the City of Oregon has an Income Tax Ordinance.

29. DISCRIMINATION AND INTIMIDATION - The prohibitions against discrimination and intimidation on account of race, creed, sex, handicap or color and the provisions as to forfeitures to be applied in the event of violation of contract terms regarding same, as contained in Section 153.59 and 153.60 of the Revised Code of Ohio, shall apply to this Contract.

30. Permits and Regulations - Unless otherwise previously or subsequently specified, the Contractor shall procure and pay for all permits, licenses and approvals necessary for the execution of his contract.

BID FORM

WEST MUNICIPAL COMPLEX SITE IMPROVEMENTS

To the Director of Public Service
Municipal Building
5330 Seaman Road
Oregon, Ohio 43616-2633

I. The undersigned, having familiarized _____ with the local conditions affecting the cost of the work and with the Contract Documents, hereby proposes to perform everything required to be performed and to provide and furnish all of the labor, materials, necessary tools, expendable equipment, and all utility and transportation services necessary to perform and complete in a workmanlike manner all of the work required to construct a regional retention pond and associated water quality structure. The project also includes the construction of buffer mounding, grading of an access road, installation of approximately 2,600 LF of storm sewer, catch basin installation, and related work for the CITY OF OREGON, OHIO, all in accordance with the specifications for the following prices, to wit:

BASE BID: MUNICIPAL COMPLEX REGIONAL DETENTION POND

NO.	ODOT ITEM#	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE BID	TOTAL AMOUNT BID
1	203	Excavation and Embankment, APP	1	LS		
2	SPEC	Type D Rock for Pond, APP	900	CY		
3	SPEC	Grading of Access Road, APP	1	LS		
4	SS 811	Catch Basin, ODOT Type 2-2B, APP	11	EA		
5	SS 811	Catch Basin, ODOT Type 2-3, APP	3	EA		
6	SS 811	6" Perforated Underdrain	450	LF		
7	SS 811	12-inch Storm Sewer, Type B, All Depths	50	LF		
8	SS 811	12-inch Storm Sewer, Type C, All Depths	734	LF		
9	SS 811	15-inch Storm Sewer, Type B, All Depths	40	LF		
10	SS 811	15-inch Storm Sewer, Type C, All Depths	414	LF		
11	SS 811	21-inch Storm Sewer, Type B (706.02), All Depths	30	LF		
12	SS 811	21-inch Storm Sewer, Type C (706.02), All Depths	167	LF		
13	SS 811	21-inch Storm Sewer, Type B, All Depths	25	LF		
14	SS 811	21-inch Storm Sewer, Type C, All Depths	313	LF		

15	SS 811	24-inch Storm Sewer, Type C, All Depths	612	LF		
16	SS 811	24-inch Storm Sewer, Type C (706.02), All Depths	132	LF		
17	SS 811	60-inch Storm Sewer, Type C (706.02), All Depths	146	LF		
18	SS 811	Storm Sewer Lateral Connection, APP	20	EA		
19	SS 811	ODOT Headwall HW 2.1, with Erosion Protection	3	EA		
20	SS 811	ODOT Headwall HW 2.2, with Erosion Protection	1	EA		
21	SPEC	Outlet Structure, APP	1	EA		
22	623	Construction Staking	1	LS		
23	624	Mobilization and Demobilization	1	LS		
24	659	Seeding and Mulching, APP	107,785	SY		
25	832	Storm Water Pollution Prevention Plan, APP	1	LS		
26	832	Erosion Control	5,000	EA		
27	SPEC	Inlet Protection	20	EA		
28	SPEC	24" Tideflex CheckMate UltraFlex Inline Check Valve	1	EA		

The cost for any additional items required to complete the project per the specifications not specifically listed shall be included in the cost of the pertinent item.

TOTAL BASE BID IN FIGURES **$** _____

Unofficial total subject to correction)

II. Time of Completion. The undersigned agrees to substantially complete the work covered by the contract for the detention pond and outlet structure by November 30, 2019. The entire project shall be substantially complete by May 31, 2020.

III. Accompanying this Bid is a Certified Check or Bid Bond in the amount of

_____Dollars ($_____) ,

payable to the City of Oregon, Ohio, which it is agreed, shall be retained as liquidated damages to the City of Oregon, Ohio, if the undersigned fails to execute the Contract in conformity with the Form of Contract incorporated in the Contract Documents and furnish performance bond as specified within ten (10) days after notification of the award of the Contract to the undersigned.

WEST MUNICIPAL COMPLEX SITE IMPROVEMENTS

CITY OF OREGON
LUCAS COUNTY, OHIO
2019

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SPECIFICATION

ALL MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS INCLUDED WITHIN THE CONTRACT DOCUMENTS.

EXCEPT AS MODIFIED BY THESE PLANS AND THE DETAILED SPECIFICATIONS PERTAINING THERETO, THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2019, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS AS MAY BE IN EFFECT 14 CALENDAR DAYS PRIOR TO AWARD OF CONTRACT, SHALL GOVERN THIS IMPROVEMENT.

PLANS PREPARED BY :

CITY OF OREGON
DEPARTMENT OF PUBLIC SERVICE
5330 SEAMAN ROAD
OREGON, OHIO 43616

ENGINEERS SEAL:

STATE OF OHIO
BROOKE E. BINIKER
E-82360
REGISTERED
PROFESSIONAL ENGINEER

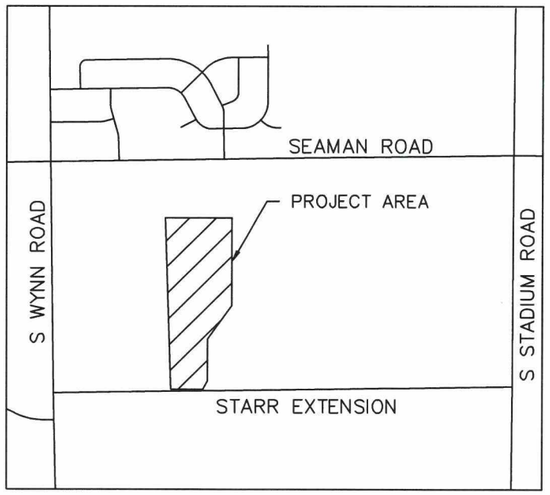
SIGNED: [signature]
DATE: 8/30/19

APPROVED BY :

[signature] 8/30/19

PAUL ROMAN, P.E. DATE
CITY OF OREGON – PUBLIC SERVICE DIRECTOR

CITY OF OREGON
MUNICIPAL BUILDING
5330 SEAMAN ROAD



SCALE
NTS

ADDENDUM #1 PLAN SET
ISSUED 9-6-19

UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
Call 1–800–362–2764 (Toll Free)
OHIO UTILITIES PROTECTION SERVICE
NON–MEMBERS
MUST BE CALLED DIRECTLY

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE CONSTRUCTION OF A REGIONAL WET RETENTION POND AND ASSOCIATED WATER QUALITY STRUCTURE. THE PROJECT ALSO INCLUDES THE CONSTRUCTION OF BUFFER MOUNDING, GRADING OF AN ACCESS ROAD, INSTALLATION OF APPROXIMATELY 2,600 LF OF STORM SEWER, CATCH BASIN INSTALLATION, AND ASSOCIATED WORK.

UTILITES

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING OWNERS OF UTILITIES FOR VERIFICATIONS OF LOCATIONS AND ANY REQUIRED RELOCATIONS OR TEMPORARY SERVICE INTERRUPTIONS:

OREGON WATER DEPARTMENT
5330 SEAMAN ROAD
OREGON, OHIO 43616
MR. EARL MAYLE, SUPERINTENDENT
(419) 698–7038

OREGON STREET DEPARTMENT
5330 SEAMAN ROAD
OREGON, OHIO 43616
MR. KEITH HENNINGER, SUPERINTENDENT
(419) 698–7018

BENCH MARK DATA

BENCH MARK NO. 1
CENTERLINE MONUMENT, INTERSECTION OF GIVENRY ROAD AND FAIRCHILD ROAD
ELEVATION. . . . . 592.90 (NAVD 88)

BENCH MARK NO. 2
CENTERLINE MONUMENT, INTERSECTION OF GIVENRY ROAD AND LAWAI ROAD
ELEVATION. . . . . 593.62 (NAVD 88)

COUNTY BENCH MARK
WYNN ROAD – BRASS PLATE SOUTHEAST CORNER OF WYNN ROAD AND BROWN ROAD, 25' SOUTH OF BROWN, 41.8' EAST OF WYNN ROAD
ELEVATION. . . . . 601.25 (NAVD 88)

SCALE
DATE 6/3/19
DRAWN: BEB CHECKED: RMS

TITLE SHEET

CITY OF OREGON
REGIONAL RETENTION POND

1/9

GENERAL

SPECIFICATIONS
EXCEPT AS MODIFIED BY THESE PLANS AND THE DETAIL SPECIFICATIONS PERTAINING THERETO, ALL WORK THIS PROJECT SHALL BE GOVERNED BY THE OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS, DATED JANUARY 1, 2019 AND BY SUCH SUPPLEMENTAL SPECIFICATIONS AS MAY BE IN EFFECT FOURTEEN (14) CALENDAR DAYS PRIOR TO AWARD OF THIS CONTRACT, IN THE AFORESAID STATE SPECIFICATIONS, THE WORDS "STATE," "DIRECTOR," AND "ENGINEER" SHALL BE HELD TO MEAN THE SERVICE DIRECTOR, CITY OF OREGON, OR HIS DULY APPOINTED REPRESENTATIVE.

A PRECONSTRUCTION CONFERENCE SHALL BE SCHEDULED BY THE CONTRACTOR WITH THE CITY OF OREGON DEPARTMENT OF PUBLIC SERVICE. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION AT THE TIME OF THE PRECONSTRUCTION CONFERENCE"
- CERTIFICATES OF INSURANCE
- SHOP DRAWING SUBMITTAL FOR ALL MATERIAL AND EQUIPMENT
- MAXIMUM OF 6 COPIES, (2 COPIES FOR CITY.)
- PROJECT SCHEDULE
- CONTRACTOR PROJECT REPRESENTATIVE
- CONTRACTOR 24–HOUR EMERGENCY CONTACT NUMBERS
- HAUL ROUTES

SAFETY REQUIREMENTS
THE CONTRACTOR SHALL AT ALL TIMES FOLLOW STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION OF THIS PROJECT. SPECIAL CARE SHALL BE TAKEN DURING ALL TRENCHING OPERATIONS. SHEETING, BRACING, CRIBBING, ETC. SHALL BE INSTALLED AS REQUIRED TO PROVIDE MAXIMUM SAFETY TO THE WORKERS IN FULL COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.

INSURANCE
NO CONTRACTOR OR SUBCONTRACTOR SHALL START ANY WORK UNTIL THE APPROVED CERTIFICATE OF LIABILITY IS FILED WITH THE CITY OF OREGON NAMING THE CITY OF OREGON AS INSURED.

EXISTING SURVEY POINTS
SURVEY MONUMENTS, PROPERTY PINS, BENCHMARKS AND EXISTING CONTROL POINTS DAMAGED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED BY AN OHIO REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. SHOULD THE CONTRACTOR FAIL TO REPLACE THESE POINTS THE OWNER SHALL REPLACE THEM AT THE CONTRACTOR'S EXPENSE AFTER THREE WEEKS NOTICE.

REMOVAL ITEMS
PAYMENT FOR REMOVAL OF ALL EXISTING OBSTRUCTIONS WHICH ARE NOT ITEMIZED FOR PAYMENT AND WHICH WOULD NORMALLY BE REMOVED FOR THE INSTALLATION OF NEW WORK SHALL BE INCLUDED IN THE BID FOR THE PERTINENT ITEM OF WORK.

CONSTRUCTION NOISE
ALL LAND USES AND ACTIVITIES ADJACENT TO THIS PROJECT MAY BE AFFECTED BY NOISE DURING CONSTRUCTION OF THIS PROJECT. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER OPERATED CONSTRUCTION TYPE DEVICE SHALL NOT BE OPERATED BETWEEN 9:00 P.M. AND 7:00 A.M. IN ADDITION, ANY POWER OPERATED CONSTRUCTION TYPE DEVICE SHALL NOT BE OPERATED IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

HAUL ROUTES
ALL HAUL ROADS AND STREETS WITHIN THE PROJECT LIMITS ON WHICH TRAFFIC IS TO BE MAINTAINED SHALL BE KEPT RELATIVELY FREE FROM DUST AND DIRT TO THE SATISFACTION OF THE CONSTRUCTION ENGINEER. IF THEY ARE NOT MAINTAINED TO THE SATISFACTION OF THE CONSTRUCTION ENGINEER, HE MAY REQUIRE THE USE OF MECHANICAL CLEANING EQUIPMENT TO REMOVE DUST AND PARTICLES FROM THE ROADWAY SURFACE AND MINIMIZE THE CHANCE OF SUCH PARTICLES FROM BECOMING AIR–BORNE.

ACCESS
THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PHASES AND OPERATIONS IN A MANNER THAT PROVIDES ACCESS TO PROPERTY OWNERS AND/OR TENANTS AFFECTED BY THE WORK AT ALL TIMES, UNLESS OTHERWISE AGREED TO BY THE OWNER/TENANT.

UTILITIES
THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT BUT THE CITY OF OREGON DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE LOCATION OF ALL EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. DETERMINATION OF THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CONTENTS OF THE CONDUIT THROUGH THE UTILITY OWNER PRIOR TO BID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS. THE OWNER SHALL NOT BE RESPONSIBLE FOR DELAYS DUE TO ABANDONED UTILITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE–ESTABLISHING/REPAIRING ANY SERVICES THAT MAY BE DAMAGED DURING CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE TO SUPPORT AND PROTECT ALL UTILITIES EXPOSED DURING ANY EXCAVATION PERFORMED AS A RESULT OF THIS PROJECT.

ABOVE GROUND (AERIAL) UTILITIES, INCLUDING POWER, TELEPHONE AND CABLE TELEVISION, SHALL REMAIN IN SERVICE AT ALL TIMES. ANY ANTICIPATED DISRUPTION OF SERVICE SHALL BE WITH FULL KNOWLEDGE OF THE UTILITY COMPANY AND REQUIRED ADVANCE NOTICE TO AFFECTED USERS. REMOVAL OF GUY WIRES, SAFETY INSULATING OR WIRES AND HOLDING POLES SHALL BE DONE AS REQUIRED TO COMPLETE THE WORK, SHALL BE AGREED UPON BY THE UTILITY COMPANY AND THE CONTRACTOR, ARBITRARY DISRUPTION OF UNDERGROUND AND AERIAL UTILITY SERVICES WILL NOT BE PERMITTED.

THE FOLLOWING IS A LIST OF UTILITIES THAT ARE KNOWN TO BE WITHIN THE LIMITS OF CONSTRUCTION (NOT ALL MAY APPLY):

CITY OF OREGON
5330 SEAMAN ROAD
OREGON, OHIO 43616
(419) 698–7047 (SERVICE DEPT.)
(419) 698–7016 (STREET DEPT.)
(419) 698–7038 (WATER DEPT.)

UTILITY NOTIFICATION
THE CONTRACTOR SHALL NOTIFY ALL INVOLVED UTILITY COMPANIES AT LEAST FIVE (5) WORKING DAYS BEFORE ANY CONSTRUCTION WORK IS PERFORMED.

THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING WORK, AT (800) 362–2764. NON–MEMBERS MUST BE CONTRACTED SEPARATELY.

UTILITY RELOCATIONS
ALL EXPENSES IN RELOCATING THE AFFECTED UTILITY LINES SHALL BE BORNE BY OWNERS. THE CONTRACTOR AND THE OWNERS ARE REQUESTED TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

CONSTRUCTION LAYOUT STAKING
THIS WORK SHALL BE EXECUTED IN ACCORDANCE WITH ITEM 623 OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS EXCEPT AS MODIFIED BY THE FOLLOWING:

LAND SURVEY MONUMENTS, SECTION CORNERS, BENCHMARKS, PROPERTY CORNERS, ENGINEERING SURVEY MARKERS AND ANY OTHER CONTROL POINTS SHALL BE PROTECTED AND PRESERVED IN ACCORDANCE WITH SECTION 107.12 AND THE FOLLOWING:

1) BEFORE ANY CONTROL POINTS ARE DISTURBED OR REMOVED DUE TO CONSTRUCTION OF THIS PROJECT, SUFFICIENT REFERENCE MEASUREMENTS SHALL BE MADE TO INSURE PROPERTY LOCATION OF THE POINT WHEN IT IS RE–ESTABLISHED.

2) PLAN ELEVATIONS OF SITE BENCH MARKS AND REFERENCES FOR THE CENTERLINE OF SURVEY CONTROL POINTS SHALL BE VERIFIED PRIOR TO CONSTRUCTION OF THIS PROJECT. CENTERLINE SURVEY CONTROL POINTS SHALL BE RE–ESTABLISHED IF REQUIRED AND CENTERLINE OF CONSTRUCTION ESTABLISHED. ADDITIONAL SITE BENCH MARKS SHALL BE ESTABLISHED IF REQUIRED.

3) THE CONTRACTOR SHALL PROVIDE A REGISTERED LAND SURVEYOR TO PERFORM THE ABOVE DESCRIBED WORK. THE SURVEYOR TO PERFORM THE ABOVE DESCRIBED WORK. THE SURVEYOR SHALL MAKE A WRITTEN RECORD CLEARLY IDENTIFYING CONTROL, REFERENCE OR BENCH MARK POINTS AND MEASUREMENTS TO THESE POINTS AND SHALL PROVIDE A COPY OF THIS RECORD TO THE CITY OF OREGON.

4) IF VERIFICATION OF CONTROL POINTS OR REFERENCE MEASUREMENTS ARE NOT ACCOMPLISHED TO THE SATISFACTION OF THE ENGINEER, THE ENGINEER WILL PROMPTLY NOTIFY THE CONTRACTOR OF THE NATURE OF THE PROBLEM. IF THE PROBLEM IS NOT ATTENDED TO PROMPTLY, THE CITY WILL TAKE THE NECESSARY ACTION TO CORRECT THE PROBLEM WITH THE COST OF SUCH SERVICE DEDUCTED FROM ANY MONIES DUE TO THE CONTRACTOR.

PAYMENT FOR PRESERVING CONTROL POINTS IN ACCORDANCE WITH THE ABOVE STATED STIPULATIONS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 623 CONSTRUCTION LAYOUT STAKES.

ESTIMATED QUANTITIES
ALL QUANTITIES SHOWN IN THE GENERAL SUMMARY ARE ESTIMATED. FINAL PAY QUANTITIES WILL BE DETERMINED BY THE PROJECT ENGINEER. THE CITY OF OREGON RESERVES THE RIGHT TO ADJUST THE ESTIMATED QUANTITIES OF THE PAY ITEMS BY NON–PERFORMING, INCREASING AND/OR REDUCING ANY OF THE VARIOUS PAY ITEMS AS LONG AS THE WORK REMAINS WITHIN THE BOUNDARY OF THE TOTAL PROJECT AREA. FIELD LOCATIONS FOR THE VARIOUS PAY ITEMS WILL BE DESIGNATED BY THE CITY OF OREGON PROJECT ENGINEER(S).

AN ESTIMATED CONTINGENCY QUANTITY OF THE FOLLOWING ITEMS ARE INCLUDED IN THE GENERAL SUMMARY TO ESTABLISH A PRICE FOR THE ITEM. USE OF SAID CONTINGENCY ITEMS AND THE ASSOCIATED QUANTITY SHALL BE ONLY UPON THE DIRECTION OF THE PROJECT ENGINEER(S).

SS 811	20 EA	STORM SEWER LATERAL CONNECTION
832	5000 EA	EROSION CONTROL

CONTINGENCY QUANTITIES
THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

THE NON–PERFORMANCE OF CONTINGENCY ITEMS AND ASSOCIATED QUANTITIES SPECIFICALLY DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" SHALL NOT CONSTITUTE A SIGNIFICANT CHANGE IN THE CHARACTER OF THE WORK. THE NON–PERFORMANCE OF SUCH CONTINGENCY QUANTITIES SHALL NOT BE CONSIDERED WHEN CONSIDERING PRICE ADJUSTMENTS PER TABLE 104.02–2.

INCIDENTALS
PRICE BID FOR THE PERTINENT CONDUIT SHALL INCLUDE ALL WORKS AND MATERIALS NOT INCLUDED IN THE QUANTITIES BUT NECESSARY TO COMPLETE THE PROJECT IN A WORKMAN LIKE MANNER INCLUDING, BUT NOT LIMITED TO, BACKFILL AND BEDDING MATERIAL, PAVEMENT REPLACEMENT, ETC.

DRAINAGE

ALL PIPE MUST HAVE BELL AND SPIGOT JOINTS

REVIEW OF DRAINAGE FACILITIES
BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE, REPRESENTATIVES OF THE CITY OF OREGON AND THE CONTRACTOR SHALL MAKE AND INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS.

ALL CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED.

ALL EXISTING SEWERS INSPECTED INITIALLY SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLE COMPARABLE TO WHAT WAS DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE PROJECT ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES
WHERE PLANS PROVIDE FOR A CONDUIT TO BE CONNECTED TO, CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE PROJECT ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT SS 811 CONDUIT ITEM.

MAINTENANCE OF SEWER FLOWS
THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SUCH THAT THE FLOW OF ALL SEWERS WHICH ARE TO REMAIN IN SERVICE SHALL BE MAINTAINED AT ALL TIMES. ANY ADDITIONAL COST OR LABOR INVOLVED IN MAINTAINING THIS FLOW, BY PUMPING OR ANY OTHER APPROVED METHOD, SHALL BE INCLUDED WITHIN THE CONTRACT PRICE, FOR THE PERTINENT 611 CONDUIT ITEM.

PROTECTION AND RESTORATION OF PROPERTY
THE CONTRACTOR SHALL COMPLY WITH STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS SECTION 107.10 WITH RESPECT TO THE PRESERVATION OF ADJACENT PROPERTY DURING THE CONSTRUCTION PROCESS.

ALL EXISTING FEATURES DISTURBED DUE TO CONSTRUCTION SUCH AS PAVEMENTS, DRIVEWAYS, PARKING AREAS, CURBS, GUTTERS, CATCH BASINS, HEADWALLS, DRAINS, FIELD TILES, CONDUIT PIPES, CABLES, FENCES, GRASSED AREAS, AND OTHER EXISTING FACILITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION IN ACCORDANCE WITH ANY APPLICABLE ODOT AND CITY OF OREGON SPECIFICATIONS AND THE TO THE SATISFACTION OF THE CITY OF OREGON.

ALL DISTURBED LAWN AREAS, UNLESS OTHERWISE SPECIFIED, SHALL BE PREPARED, SEEDED, FERTILIZED AND MULCHED ACCORDING TO ODOT 659. THE SEED MIXTURE SHALL BE PER ODOT CLASS 1.

EXISTING MAIL BOXES AND TRAFFIC SIGNS IN THE LINE OF CONSTRUCTION SHALL BE REMOVED AND ERECTED IN TEMPORARY LOCATIONS IN A MANNER SATISFACTORY TO OWNER, AND AFTER COMPLETION OF CONSTRUCTION, MOVED TO AND RE–ERECTED IN THEIR ORIGINAL LOCATIONS OR NEW LOCATIONS SATISFACTORY TO OWNER.

WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THESE CONTRACT DOCUMENTS AND, WHERE NOT INCLUDED HEREIN, THE REQUIREMENTS OF APPLICABLE ODOT ITEMS AS APPROVED BY ENGINEER.

IN ANY EVENT, CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY CAUSED BY MOVEMENT OF EQUIPMENT OR BY OTHER OPERATIONS AND SHALL REPAIR OR REPLACE ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS OPERATIONS.

CONSIDER THE COST OF THIS WORK AS INCIDENTAL TO THE PROJECT AND SHALL BE INCLUDED IN THE COST OF PERTINENT PAY ITEMS.

EXCAVATION AND EMBANKMENT, APP
EXCAVATION AND EMBANKMENT, APP SHALL INCLUDE THE EXCAVATION OF THE POND AND SWALES, THE EMBANKMENT OF THE MOUNDING, AND THE STOCKPILING OF EXCESS MATERIAL IN THE EDEN PARK SUBDIVISION.

TOPSOIL SHALL BE STRIPPED FROM MOUND AREAS AND POND AREA AND STOCKPILED. TOPSOIL STOCKPILES SHALL BE KEPT SEPARATE FROM OTHER EXCAVATED MATERIALS, AT LOCATIONS APPROVED BY THE ENGINEER. EXISTING TOPSOIL IS APPROXIMATELY 12" DEEP. TOPSOIL SHALL BE REPLACED ON TOP OF MOUNDS AND OTHER AREAS AS DIRECTED BY THE ENGINEER.

SMALL PILES OF TOPSOIL ALONG EXISTING ACCESS ROAD TO BE STRIPPED AND STOCKPILED OR STRIPPED AND REPLACED IN SWALE AREAS. 1 9/6/19

TYPE D STONE FOR POND, APP
THE UNIT PRICE FOR TYPE D STONE FOR POND, APP SHALL INCLUDE ALL MATERIALS, LABOR, AND EQUIPMENT TO EXCAVATE 18" DEEP, SUPPLY, AND PLACE STONE.

STORM SEWER LATERAL CONNECTION, APP
ANY EXISTING FIELD TILES ENCOUNTERED SHALL BE TIED INTO NEW STORM SEWER. PAYMENT FOR STORM SEWER LATERAL CONNECTION SHALL INCLUDE UP TO 10' OF STORM SEWER LATERAL PIPE AS NECESSARY TO CONNECT THE EXISTING STORM SEWER LATERAL PIPE TO THE NEW STORM SEWER. CONNECTION TO CONCRETE STORM SEWER SHALL BE WITH AN INSERT–A–TEE OR APPROVED EQUAL.

CATCH BASIN, TYPE 2–3, APP AND TYPE 2–2B, APP
ALL TYPE 2–2B AND TYPE 2–3 CATCH BASINS SHALL BE MANUFACTURED TO INCLUDE A 6" RISER ON TOP OF THE PRECAST UNIT TO ALLOW FOR ANY FINAL GRADE ADJUSTMENTS IN THE FIELD.

GRADING OF ACCESS ROAD, APP
EXISTING ACCESS ROAD TO BE GRADED AND ROLLED ACCORDING ELEVATIONS PROVIDED. EXISTING STOCKPILE OF MILLINGS SHOWN ON SHEET 9 TO BE USED TO GRADE ROAD. 1 9/6/19

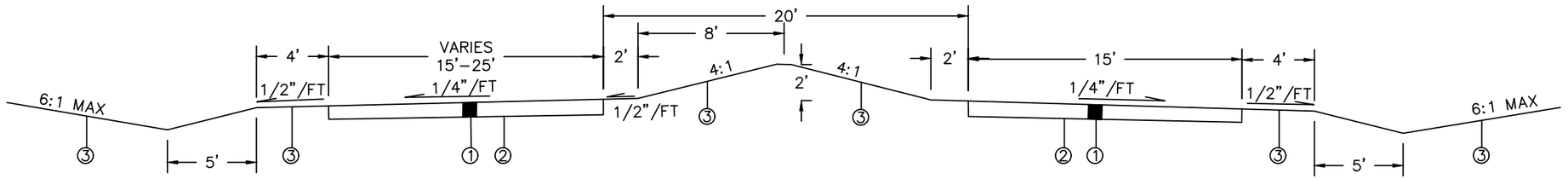
ADDENDUM #1 PLAN SET
ISSUED 9-6-19

DRAWN: BEB | DATE 6/3/19 | REVISONS #1 – 9/5/19 | SCALE 1" = 160'
CHECKED: RMS

GENERAL NOTES

CITY OF OREGON
REGIONAL RETENTION POND

2
9

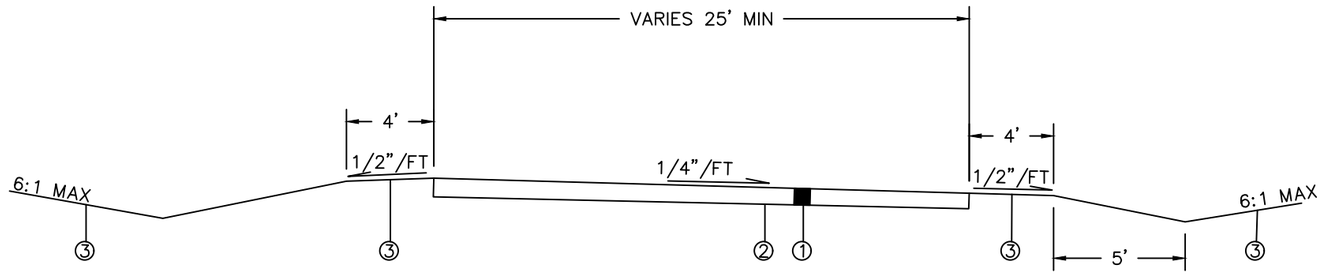


DRIVE SECTION
STA. 0+00 TO 5+00

LEGEND

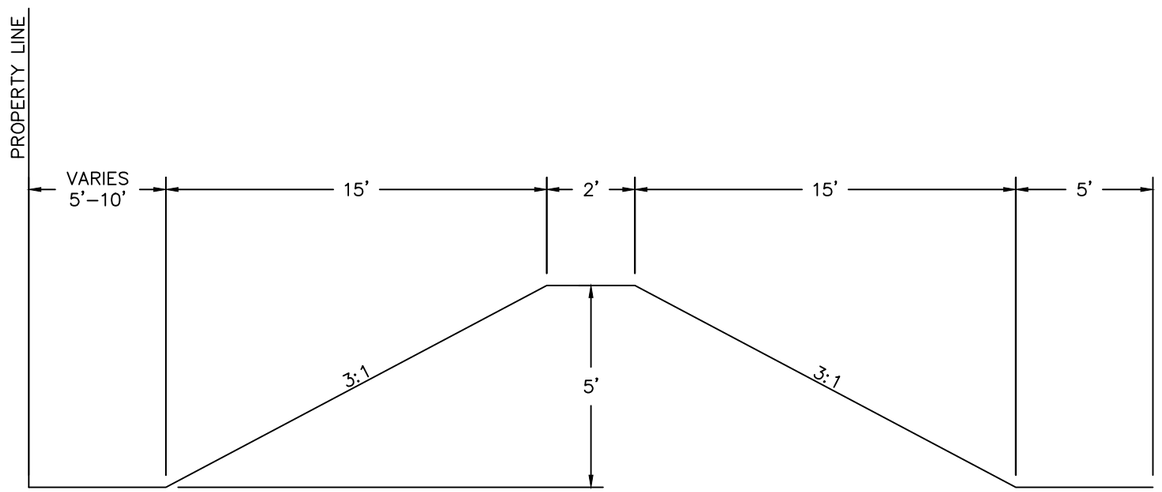
① GRADING OF ACCESS ROAD, APP – DEPTH VARIES
② EX. ASPHALT GRINDING BASE
③ SEEDING AND MULCHING

1 9/6/19



DRIVE SECTION
STA. 5+00 TO 12+50

1 9/6/19



MOUND SECTION

90' WIDE MOUND SECTION ALONG STARR AVENUE TO
HAVE 6:1 SIDE SLOPES WITH 30' TOP

ADDENDUM #1 PLAN SET
ISSUED 9-6-19

SCALE 1" = 160'
REVISONS #1 – 9/5/19
DATE 6/3/19
DRAWN: BEB
CHECKED: RMS

TYPICAL SECTIONS

CITY OF OREGON
REGIONAL RETENTION POND

3
9

West Municipal Complex Site Improvements - Access Road Grading Table

Station	Ex. Elevation West EOP	Prop. Elevation West EOP	Grade Change (FT)	Ex. Elevation West Inside EOP	Prop. Elevation West Inside	Grade Change (FT)	Ex. Elevation East EOP	Prop. Elevation East EOP	Grade Change (ft)	Ex. Elevation Inside East EOP	Prop. Elevation East Inside EOP	Grade Change (FT)	
0+00	592.23	**592.23**	0	592.38	**592.38**	0	592.47	**592.47**	0	592.38	**592.38**	0	Edge of bike path
0+50	592.40	**592.29**	-0.11	592.82	**592.81**	-0.01	592.19	**592.5**	0.31	592.09	**592.81**	0.72	
1+00	592.47	**592.37**	-0.1	592.65	**592.81**	0.16	592.31	**592.5**	0.19	592.13	**592.81**	0.68	
1+50	592.4	**592.5**	0.1	592.82	**592.81**	-0.01	592.71	**592.5**	-0.21	592.68	**592.81**	0.13	
2+00	592.47	**592.5**	0.03	592.6	**592.81**	0.21	592.63	**592.5**	-0.13	592.48	**592.81**	0.33	
2+50	592.21	**592.5**	0.29	592.66	**592.81**	0.15	592.28	**592.5**	0.22	592.66	**592.81**	0.15	
3+00	592.2	**592.5**	0.3	592.38	**592.81**	0.43	592.48	**592.5**	0.02	592.64	**592.81**	0.17	
3+50	592.26	**592.5**	0.24	592.26	**592.81**	0.55	592.62	**592.5**	-0.12	592.45	**592.81**	0.36	
4+00	592.22	**592.5**	0.28	592.48	**592.81**	0.33	592.14	**592.5**	0.36	592.32	**592.81**	0.49	
4+50	591.89	**592.5**	0.61	591.98	**592.81**	0.83	592.26	**592.5**	0.24	591.98	**592.81**	0.83	End of Islands

Station	Ex. Elevation West EOP	Prop. Elevation West EOP	Grade Change (FT)	Ex. Elevation East EOP	Prop. Elevation East EOP	Grade Change (FT)
5+00	591.9	**592.5**	0.6	592.14	**592**	-0.14
5+50	591.93	**592.5**	0.57	591.97	**592**	0.03
6+00	592.32	**592.5**	0.18	591.96	**592**	0.04
6+50	592.14	**592.5**	0.36	592	**592**	0
7+00	592.14	**592.5**	0.36	591.99	**592**	0.01
7+50	591.96	**592.5**	0.54	592.08	**592**	-0.08
8+00	592.03	**592.5**	0.47	592.23	**592**	-0.23
8+50	592.17	**592.5**	0.33	591.94	**592**	0.06
9+00	592.04	**592.5**	0.46	591.87	**592**	0.13
9+50	591.99	**592.5**	0.51	591.92	**592**	0.08
10+00	591.93	**592.5**	0.57	591.96	**592**	0.04
10+50	591.98	**592.5**	0.52	592.25	**592**	-0.25
11+00	591.74	**592.15**	0.41	591.59	**591.65**	0.06
11+50	591.53	**592.15**	0.62	591.55	**591.65**	0.1
12+00	591.6	**592.15**	0.55	591.79	**591.65**	-0.14
12+50	591.61	**592.15**	0.54	591.86	**591.65**	-0.21

⚠1 9/6/19

SCALE 1" = 160'

REVISONS #1 – 9/5/19

DATE 6/3/19

DRAWN: BEB CHECKED: RMS

ACCESS ROAD GRADING PLAN

CITY OF OREGON
REGIONAL RETENTION POND

ADDENDUM #1 PLAN SET
ISSUED 9-6-19

REGIONAL RETENTION POND DATA	
NORMAL WATER ELEVATION	= 586.5
25 YR. HIGH WATER ELEVATION	= 590.5
25 YR. STORAGE VOLUME REQUIRED	= 326,635 CF
25 YR. STORAGE VOLUME PROVIDED	= 333,655 CF

SITE VOLUME TABLE

	CUT (CY)	FILL (CY)	NET (CY)
POND	39,835	30	39,830 (CUT)
MOUNDS	0	11,000	11,000 (FILL)
EDEN PARK SUBDIVISION	0	28,805	28,805 (FILL)
TOTALS	39,835	39,835	0

1 9/6/19

CITY OF OREGON
5330 SEAMAN ROAD

DAVID SOSBE
5260 SEAMAN ROAD

TRAVIS FERGUSON
5248 SEAMAN ROAD

THOMAS AND SUSAN LAMBRECHT
5238 SEAMAN ROAD

TARIK HASAN
5216 SEAMAN ROAD

SUSAN ST. JOHN
5164 SEAMAN ROAD

CITY OF OREGON
5330 SEAMAN ROAD

CITY OF OREGON
5330 SEAMAN ROAD

CITY OF OREGON
5330 SEAMAN ROAD

CITY OF OREGON
5330 SEAMAN ROAD

LIFE RING LOCATION (BY OTHERS)

LIFE RING LOCATION (BY OTHERS)

LIFE RING LOCATION (BY OTHERS)

ACCESS ROAD

OUTLET STRUCTURE

PROPOSED RETENTION POND

PROPOSED SWALE

PROPOSED SWALE

PROPOSED STORM

PROPOSED STORM (BY OTHERS)

MOUNDING

MOUNDING

MOUNDING

MOUNDING

STARR EXTENSION

WOLF CREEK

FILL AREA 1 9/6/19

FILL AREA 1 9/6/19

EDEN PARK SUBDIVISION

LOUISVILLE TITLE AGENCY
211 S WYNN ROAD

IRENE REZBANYAY
5155 STARR AVE

PAUL AND TRICIA SOLTESZ
5135 STARR AVE

STM

PL

20+00 19+00 18+00 17+00 16+00 15+00 14+00 13+00 12+00 11+00 10+00 9+00 8+00 7+00 6+00 5+00 4+00 3+00 2+00 1+00 0+00

574.5 574.50 574.5 574.5

SCALE 1" = 160'

REVISONS #1 - 9/5/19

DATE 6/3/19

DRAWN: BEB CHECKED: RMS

OVERALL SITE PLAN

CITY OF OREGON
REGIONAL RETENTION POND

ADDENDUM #1 PLAN SET
ISSUED 9-6-19

CB #1 (2-2B)
RIM: 591.00
INV 15" S: 587.52

280 LF 15" @ 0.15%

CB #3 (2-2B)
RIM: 590.50
INV 21" N: 586.86
INV 21" SW: 586.86

SWALE FOR
EMERGENCY SPILLWAY
ELEV: 590.50

234 LF 21" @ 0.10%

104 LF 21" PVC @ 0.00%
(25 LF TYPE B)
1 9/6/19

EX. CB #8419
RIM: 591.54
INV 18" E: 586.50
PROP 21" W: 586.50
1 9/6/19

WATER QUALITY OUTLET STRUCTURE, CB 2-4
MODIFIED (SEE DETAIL, SHEET 8)
RIM: 590.50
INV 12" NW: 583.50
INV 21" SE: 586.50
BOTTOM: 582.50

CB #2 (2-2B)
RIM: 591.00
INV 15" N: 587.10
INV 21" S: 587.10

197 LF 21" RCP @ 0.10%
(30 LF TYPE B)

ROCK CHANNEL SLOPE
PROTECTION, TYPE C
(4' WIDE X 10' LONG)
1 9/6/19

595.8

32'

ELEV: 590.70

10'

595.7

CB #4 (2-2B)
RIM: 589.75
INV 6" W: 588.32
INV 6" E: 588.32

ODOT HALF HEIGHT HEADWALL,
HW-2.1
INV 21": 586.66

ODOT HALF HEIGHT HEADWALL,
HW-2.1

28 LF 12" PVC @ 2.3%
INV 12": 583.00
INSTALL FAIRCLOTH SKIMMER, SEE
DETAIL, SHEET 8

1 9/6/19

ELEV: 590.59

12' WIDE AGGREGATE SLOPE
PROTECTION, 18" THICK,
TYPE D STONE

PROPOSED SW
235 LF @ 0

BOTTOM OF BANK

6" PERFORATED UNDERDRAIN
236 LF @ 0.25%

MOUNDING

NORMAL WATER LEVEL
586.5

ROCK CHANNEL SLOPE PROTECTION,
TYPE C, WITHOUT FILTER (10' LONG X
10' WIDE X 24" DEEP)

CB #5 (2-2B)
RIM: 589.75
INV 6" W: 587.73
INV 6" E: 587.73

595.7

PROPOSED SWALE
450 LF @ 0.25%

TOP OF BANK

ODOT HALF HEIGHT
HEADWALL, HW-2.2
INV 60": 581.00

6" PERFORATED UNDERDRAIN
212 LF @ 0.25%

ODOT HALF HEIGHT
HEADWALL, HW-2.1
INV 24": 586.50

CB #8 (2-3)
RIM: 590.50
INV 24" S: 586.85
INV 24" N: 586.85

1 9/6/19
INSTALL 24" TIDEFLEX
CHECKMATE ULTRAFLEX
INLINE CHECK VALVE

132 LF 24" RCP @ 0.08%

146 LF 60" RCP TYPE C @ 3.73%

CB #7 (2-3)
RIM: 589.58
INV 24" S: 587.10
INV 12" N: 587.10

306 LF 24" @ 0.08%

306 LF 24" @ 0.08%

CB #9 (2-3)
RIM: 590.50
INV 24" SE: 586.61
INV 24" N: 586.61

MH (BY OTHERS)
RIM: 592.60
INV 60" W: 586.45
IINV 60" NE: 586.45

42 LF 12" @ 0.22%

CB #6 (2-2B)
RIM: 589.60
INV 12" S: 587.20
INV 6" E: 587.20

595.9

5'

595.85

MOUNDING

596.0

596.25

596.75

597.25

597.5

ADDENDUM #1 PLAN SET
ISSUED 9-6-19

NORTH SITE PLAN

CITY OF OREGON
REGIONAL RETENTION POND

SCALE 1" = 160'
REVISONS #1 - 9/5/19
DATE 6/3/19
DRAWN: BEB
CHECKED: RMS

5
9

NOTE: GRADE EAST SIDE OF ACCESS ROAD TO DRAIN TO EXISTING CATCH BASINS

21" PVC @ 0.00%
(25 LF TYPE B)

STRUCTURE, CB 2-4
(SEE DETAIL, SHEET 8)
RIM: 590.50
INV 12" NW: 583.50
INV 21" SE: 586.50
BOTTOM: 582.50

EADWALL,
HW-2.1

@ 2.3%
583.00
R, SEE
HEET 8

ROCK CHANNEL SLOPE PROTECTION,
TYPE C, WITHOUT FILTER (10' LONG X
10' WIDE X 24" DEEP)

ODOT HALF HEIGHT
HEADWALL, HW-2.2
INV 60": 581.00

146 LF 60" RCP TYPE C @ 3.73%

MH (BY OTHERS)
RIM: 592.60
INV 60" W: 586.45
INV 60" NE: 586.45

RIM: 591.54
INV 18" E: 586.50
PROP 21" W: 586.50

ACCESS ROAD

ELEV: 590.59

16'

PROPOSED SWALE
235 LF @ 0.25%

62 LF 12" @ 0.22%
(25 LF TYPE B)

CB #12 (2-2B)
RIM: 590.00
INV 12" E: 586.84

HP ELEV: 590.50

56 LF 12" @ 0.22%
(25 LF TYPE B)

25'

CB #11 (2-2B)
RIM: 590.00
INV 12" E: 586.86

EX. CB #8418
RIM: 591.25
INV 15" E: 586.70
PROP INV 12" W: 586.70

EX. CB #8417
RIM: 591.00
INV 15" E: 586.75
PROP INV 12" W: 586.75

EX. CB #8416
RIM: 592.09
INV 18" E: 586.49
INV 6" S: 588.14
PROP INV 12" W: 586.49

WOLF CREEK

16'

PROPOSED SWALE
390 LF @ 0.25%

15'

HP ELEV: 591.00

PROPOSED SWALE
105 LF @ 0.25%

CB #10 (2-2B)
RIM: 591.50
INV 12" E: 586.87

174 LF 15" @ 0.22%
(40 LF TYPE B)

20'

15'

25'

50' TAPER

597.25

MOUNDING

210'

90'

597.36

32'

597.25

10'

597.80

CB #13 (2-2B)
RIM: 592.25
INV 12" N: 589.80
INV 12" S: 589.80

EX. CB
RIM: 591.71
INV 4" N: 589.88
INV 12" W: 589.03
INV 6" S: 590.02
PROP INV 12" N: 589.03

CB #14 (2-2B)
RIM: 591.50
INV 12" S: 590.40

597.25 597.5 MOUNDING 597.5 597.0

5'

274 LF 12" @ 0.22%

350 LF 12" @ 0.22%

PROPOSED SWALE
250 LF @ 0.25%

ELEV: 592.50

STARR EXTENSION

BIKE PATH

STM

PL

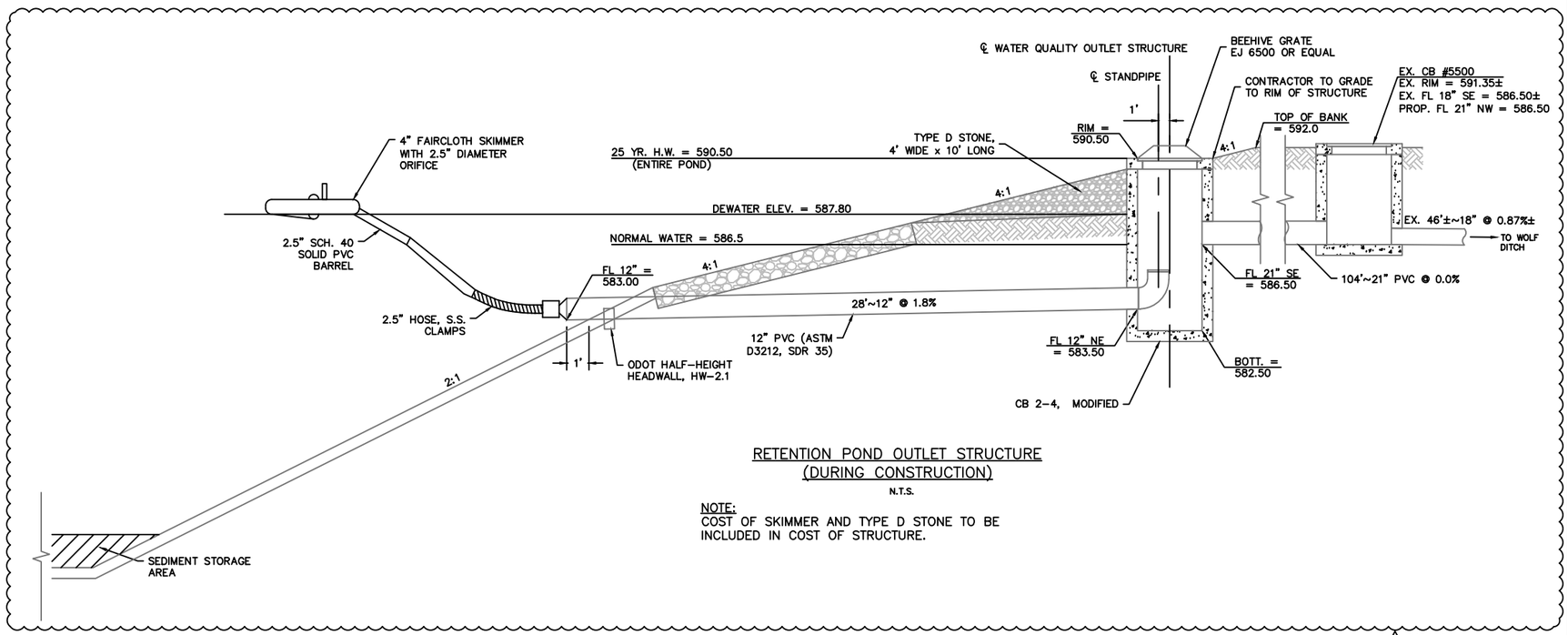
ADDENDUM #1 PLAN SET
ISSUED 9-6-19

SCALE 1" = 160'
REVISONS #1 - 9/5/19
DATE 6/3/19
DRAWN: BEB
CHECKED: RMS

SOUTH SITE PLAN

CITY OF OREGON
REGIONAL RETENTION POND

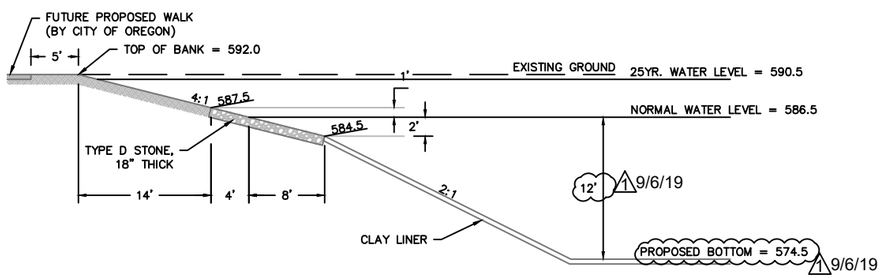
6
9



RETENTION POND OUTLET STRUCTURE
(DURING CONSTRUCTION)
N.T.S.

NOTE:
COST OF SKIMMER AND TYPE D STONE TO BE INCLUDED IN COST OF STRUCTURE.

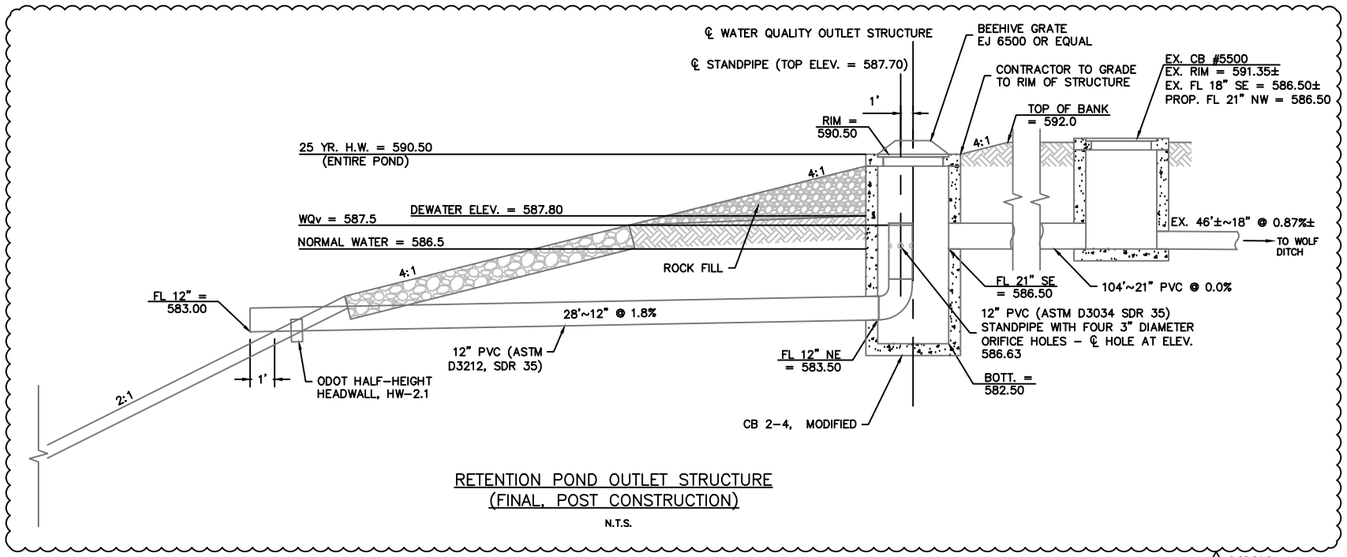
1 9/6/19



TYPICAL POND SECTION
N.T.S.

NOTE:
COST OF EXCAVATION FOR TYPE D STONE TO BE INCLUDED IN COST FOR STONE.

IF GROUNDWATER SEEPAGE IS ENCOUNTERED IN THE POND, A CLAY LINER WILL BE REQUIRED. UNDERCUT THE NATURAL SOILS TO A DEPTH OF 18 INCHES, AND PROPERLY COMPACT LEAN CLAY. THE LEAN CLAY SITE SOILS WILL BE SUITABLE FOR USE IN CONSTRUCTING THE LINER.



RETENTION POND OUTLET STRUCTURE
(FINAL, POST CONSTRUCTION)
N.T.S.

1 9/6/19

ADDENDUM #1 PLAN SET
ISSUED 9-6-19

SCALE 1" = 160'
REVISONS #1 - 9/5/19
DATE 6/3/19
DRAWN: BEB
CHECKED: RMS

POND OUTLET DETAILS

CITY OF OREGON
REGIONAL RETENTION POND

7
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SWPPP NOTES

PROJECT DESCRIPTION
THE PROJECT CONSISTS OF THE CONSTRUCTION OF A REGIONAL WET DETENTION POND AND ASSOCIATED WATER QUALITY STRUCTURE. THE PROJECT ALSO INCLUDES THE CONSTRUCTION OF BUFFER MOUNDING, GRADING OF AN ACCESS ROAD, AND ASSOCIATED WORK.

AREA DISTURBED
27.5 ACRES

RUNOFF COEFFICIENTS
PRE-CONSTRUCTION: 0.20
POST CONSTRUCTION: 0.45

IMPERVIOUS AREA
PRE-CONSTRUCTION: 0 ACRES
POST-CONSTRUCTION: 11.4 ACRES

EXISTING SOILS INFORMATION
THE EXISTING SOILS, PER THE NATURAL RESOURCES CONSERVATION SERVICE'S WEB SOIL SURVEY, ARE 5% DEL REY LOAM AND 95% LATTY SILTY CLAY.

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

ADJACENT AREAS
STORM WATER FROM THIS SITE DISCHARGES TO WOLF CREEK AND ULTIMATELY TO MAUMEE BAY.

SEQUENCE OF CONSTRUCTION
1. INSTALL SILT FENCE AND INLET PROTECTION ON EXISTING CATCH BASINS PRIOR TO ALL SOIL DISTURBANCES.
2. CLEAR THE SITE, LEAVING THE PERIMETER GROUND COVER UNDISTURBED AS MUCH AS POSSIBLE.
3. DIG DETENTION POND AND INSTALL WATER QUALITY STRUCTURE, USING SPOILS FROM POND TO BUILD MOUNDING.
4. SEED AND MULCH.
5. 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: OHC000005. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS & SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (2006).

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 AS 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 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.

19. 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.

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

21. 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.

22. 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.

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

24. 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.

25. 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.

26. 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.

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

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

29. 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.

30. 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.

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.

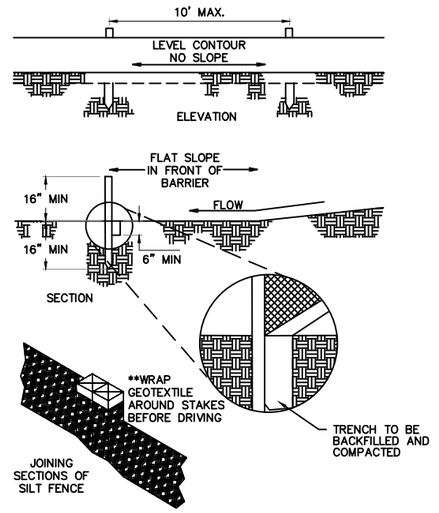
ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.

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, APP
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).

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 OR 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 ON THE PROJECT. ALL BMP WORK WILL BE PAID AT THE PROPOSAL PRE-DETERMINED UNIT PRICE TIMES THE CORRECTLY INSTALLED BMP NUMBER OF UNITS.



SILT FENCE
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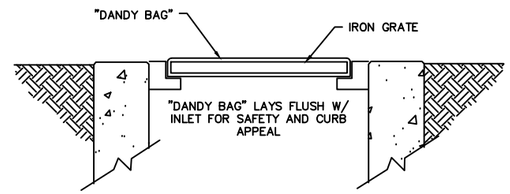
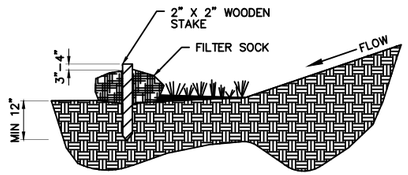


MAINTENANCE:
REMOVE DRIED SEDIMENT FROM SURFACE OF UNIT WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.

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

ADDENDUM #1 PLAN SET
ISSUED 9-6-19

SCALE 1" = 160'
REVISIONS
DATE 6/3/19
DRAWN: BEB
CHECKED: RMS

SWPPP NOTES AND DETAILS

CITY OF OREGON
REGIONAL RETENTION POND

LEGEND

- INLET PROTECTION
- SEEDING AND MULCHING, APP

SEEDING AND MULCHING, APP

GRASS SEED SHALL BE "WESTERN HOME" FROM TITGEMEIERS OR APPROVED EQUAL. "WESTERN HOME" IS 80% TURF TYPE TALL FESCUE, 10% PERENNIAL RYEGRASS, AND 10% KENTUCKY BLUEGRASS. ENTIRE PROJECT AREA SHALL BE GRADED, SEEDED, AND MULCHED. STOCKPILE IN EDEN PARK SUBDIVISION TO BE SEEDED BY OTHERS.

1 9/6/19

CITY OF OREGON
5330 SEAMAN ROAD

CITY OF OREGON
5330 SEAMAN ROAD

DAVID SOSBE
5260 SEAMAN ROAD

EX. ASPHALT
GRINDING AREA
AND STOCKPILE

TRAVIS FERGUSON
5248 SEAMAN ROAD

CITY OF OREGON
5330 SEAMAN ROAD

THOMAS AND SUSAN
LAMBRECHT
5238 SEAMAN ROAD

TARIK HASAN
5216 SEAMAN ROAD

CITY OF OREGON
5330 SEAMAN ROAD

SUSAN ST. JOHN
5164 SEAMAN ROAD

ACCESS ROAD

WOLF CREEK

OUTLET STRUCTURE

PROPOSED RETENTION POND

PROPOSED SWALE

PROPOSED SWALE

CITY OF OREGON
5330 SEAMAN ROAD

MOUNDING

MOUNDING

PROPOSED STORM

MOUNDING

MOUNDING

PROPOSED STORM
(BY OTHERS)

FILL AREA

FILL AREA

EDEN PARK SUBDIVISION

LOUISVILLE TITLE AGENCY
211 S WYNN ROAD

IRENE REZBANYAY
5155 STARR AVE

PAUL AND TRICIA SOLTESZ
5135 STARR AVE

STARR EXTENSION

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ADDENDUM #1 PLAN SET
ISSUED 9-6-19

SCALE 1" = 160'

REVISONS

DATE 6/3/19

DRAWN: BEB

CHECKED: RMS

SWPPP PLAN

CITY OF OREGON
REGIONAL RETENTION POND

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