



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

November 16, 2017

ADDENDUM No. 1
Grasser Street – Sanitary, Storm, and Waterline Improvements

CITY OF OREGON
DEPARTMENT OF PUBLIC SERVICE

BIDS TO BE OPENED: Wednesday, November 22, 2017 at 10:00 A.M.

Plan holders of the City of Oregon’s Grasser Street – Sanitary, Storm, and Waterline 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) Revised NOTICE TO BIDDERS

Replace PAGE 3 in the bidding document with the attached **NOTICE TO BIDDERS – REVISED PAGE 3, Dated 11/16/2017.**

The revision is as follows:

Bid opening changed to Wednesday, November 22, 2017 at 10:00 A.M.

2) INFORMATION TO BIDDERS – PAGE 5

Replace Engineer’s Estimate \$408,000 with **\$462,000**

3) PROJECT BID FORM

Replace BID FORM PAGE 10, BID FORM PAGE 11, and BID FORM 12, with the attached **REVISED BID FORM PAGE 10, DATED 11/16/17, REVISED BID FORM PAGE 11, DATED 11/16/17, and REVISED BID FORM PAGE 12, DATED 11/16/17**

The revisions are as follows:

The estimated quantity for Item 32 – 8” Waterline, Installed by Trenchless Operation was changed to 120 LF



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The estimated quantity for Item 42 – Shallow Pipe Underdains, 707.31 was changed to 1276 LF

Item 43A – Post-Rehabilitation Cleaning and Television Inspection of 12-Inch Storm Sewer has been added

Item 44 – Pavement Planning, Asphalt Concrete (1-1/2” Thickness) has been changed to Pavement, Removed

Item 44A – Excavation has been added

Item 45A – 2-1/2” Item 448 (Type II) Intermediate Concrete has been added

Item 46 – 2-1/2” Item 301 Asphalt Concrete Base has been changed to Aggregate Base, APP

Item 46A – Granular Material, Type C Include Excavation (As necessary) has been added

Item 46B – Subgrade Compaction has been added

Item 46C- Proof Rolling, APP has been added

Item 52 – Type 6 Curb Installation (4 Inch Reveal) has been changed to Type 6 Curb (MS) Installation (4 Inch Reveal)

4) TECHNICAL SPECIFICATIONS - SECTION 15

Add SECTION 15 – EXISTING PAVEMENT AND SIDEWALK REPLACEMENT to project technical specifications.

5) REPLACE PLAN SHEET 13 OF 15

Replace the plan sheet to add the TYPICAL PAVEMENT SECTION

A handwritten signature in blue ink, appearing to read "Paul Roman", is written over a horizontal line.

Paul Roman, P.E.
Director of Public Service

NOTICE TO BIDDERS
Ordinance No. 1-2017

Sealed proposals marked for “**Grasser Street – Sanitary, Storm and Waterline Improvements**” will be received by the City of Oregon, Ohio, at the Office of the Director of Public Service at the Oregon Municipal Building, 5330 Seaman Road, Oregon, Ohio 43616, until 10:00 A.M., local time, on Wednesday, November 22, 2017 and immediately thereafter publicly opened and read aloud.

In general, the work for **Grasser Street – Sanitary, Storm and Waterline Improvements** consists of the replacement of 8” sanitary sewer including sewer laterals, 8” waterline including service connections, and 12” storm sewer. The work also includes cleaning, video inspecting, and lining of 8” diameter sanitary sewer, asphalt pavement replacement and project restoration.

All bids must be made on the proposal forms, which with the contract documents, including Specifications and Bid Forms are on file at the office of the Director of Public Service, 5330 Seaman Road, Oregon, Ohio 43616. A set may be obtained by depositing \$25.00, check only, with the Office of the Director of Public Service. Checks must be made payable to the City of Oregon. Deposits are non-refundable.

Each bid must be accompanied by either a bid bond in an amount of 10% of the bid amount with a surety satisfactory to the City or by certified check, cashier’s check, or letter of credit upon a solvent bank in the amount of not less than 10% of the bid amount in favor of the City of Oregon.

Bid bonds shall be made accompanied by Proof of Authority of the official or agent signing the bond. A Bid Guaranty and Contract Bond properly executed can be submitted in lieu of a bid bond or check.

Attention of bidders is called to all of the requirements contained in this bid packet, particularly to the prevailing wages, various insurance requirements, various equal opportunity provisions; and the requirements for a performance bond or a bid guaranty and contract bond for 100% of the contract price.

No bidder may withdraw his bid within sixty (60) days after the actual date of the opening thereof. The Council of the City of Oregon, Ohio, reserves the right to waive any informalities or to reject any or all bids.

By Order of the Council of the City of Oregon, Ohio. Ordinance No. 1-2017.

PR:alb

Paul Roman, P.E.
Director of Public Service

Published 11/02/17
11/09/17

12	SPEC	Post-Rehabilitation Cleaning and Television Inspection of 8-Inch Sanitary Sewer Pipe	100	LF		
13	SPEC	Trimming of Protruding Connections	1	EA		
14	SPEC	Install Cured-in-Place Pipe Liner in Existing 8-Inch Sanitary Sewer Pipe (6 MM min. thickness)	100	LF		
15	SPEC	Reconnecting Service Connections	1	EA		
		Sanitary				
16	202	Sanitary Manhole Removed	1	EA		
17	202	Sanitary Manhole Abandoned	2	EA		
18	202	Abandonment of Existing Sanitary Sewer	1	LS		
19	SPEC	8-inch Sanitary Sewer, Type B	637	LF		
20	SPEC	6-inch Lateral, Long Service	140	LF		
21	SPEC	8-inch Lateral, Long Service	41	LF		
22	SPEC	6-inch Lateral, Short Service	263	LF		
23	SPEC	6-inch Vertical Service Connection Riser	40	VLF		
24	SPEC	6 inch on 8 inch Sewer Pipe Wye	12	EA		
25	SPEC	6 inch on 6 inch Sewer Pipe Wye	2	EA		
26	SPEC	8 inch on 8 inch Sewer Pipe Wye	2	EA		
27	SPEC	<i>Sanitary Drop Manhole with Frames and Covers</i>	43	VLF		
28	SPEC	Sanitary Manhole with Frame and Cover	19	VLF		
29	SPEC	8 inch drop connection	5	VLF		
		Waterline				
30	638	8" Waterline, C900, Type B	668	LF		
31	638	8" Waterline, C900, Type C	548	LF		
32	SPEC	<i>8" Waterline, Installed by Trenchless Operation</i>	120	LF		
33	638	8" Gate Valve with Valve Box	2	EA		
34	638	8" x 8" x 8" Tee	1	EA		
35	638	Fire Hydrant and Valve Assembly	3	EA		

36	SPEC	Reconnection of Water Service, Long Service	10	EA		
37	SPEC	Reconnection of Water Service, Short Service	7	EA		
38	SPEC	Abandonment of Existing Waterlines	1	LS		
		Drainage				
39	202	Pipe Removed (Storm)	78	LF		
40	202	Storm Catch Basin Removed	2	EA		
41	611	12" Storm Sewer(706.02), Type B	78	LF		
42	605	<i>Shallow Pipe Underdrains, 707.31</i>	1276	LF		
43	611	Catch Basin, Type 3A with frame and cover	2	EA		
43A	SPEC	<i>Post-Construction Cleaning and Television Inspection of Existing and Replaced 12-Inch Storm Sewer</i>	727	LF		
		Pavement Restoration				
44	254	<i>Pavement Removed, APP</i>	1702	SY		
44A	203	<i>Excavation</i>	284	CY		
45	448	1-1/2" Item 448 (Type I) Surface Course	75	CY		
45A	448	<i>2-1/2" Item 448 (Type II) Intermediate Course</i>	120	CY		
46	304	<i>Aggregate Base, APP</i>	567	CY		
46A	203	<i>Granular Material, Type C, Including Excavation, APP</i>	178	CY		
46B	204	<i>Subgrade Compaction</i>	1702	SY		
46C	204	<i>Proof Rolling, APP</i>	2	HR		
47	407	Tack Coat @ 0.40 Gal/SY	715	GAL		
48	448	Asphalt Driveway Replacement (3-inch thickness)	20	CY		
49	452	Concrete Driveway Replacement, MS (6-inch Thickness)	1146	SF		
50	452	Concrete Driveway Replacement, MS (8-inch Thickness)	306	SF		
51	608	4" Concrete Walk	112	SF		
52	609	Type 6 Curb (MS)Installation (4 Inch Reveal)	1340	LF		
53	202	Curb Removed	1340	LF		
54	SPEC	Performance Bond	1	LS		

The cost for any additional items required to complete the project per the specifications and plan drawings not specifically listed shall be included in the cost of the pertinent conduit 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 by **Friday, July 20, 2018**.

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.

IV. In submitting this Bid, it is understood that the right is reserved by the City of Oregon, Ohio, to reject any and all bids. It is agreed that this Bid may not be withdrawn for a period of 90 days from the opening thereof.

The following documents are attached to and made a condition of this Bid:

- A. Best Bid Criteria Form
- B. Delinquent Real Property Tax
- C. Delinquent Personal Property Tax
- D. Non-Collusion Affidavit
- E. Acknowledgement of Income Tax Policies
- F. Affidavit of Compliance with Ohio Revised Code Section 3517.13

Bidder acknowledges receipt of the following addendum(s):

DATE _____, 20 _____

FIRM NAME _____ BY _____
Signature

ADDRESS _____ TITLE _____

TELEPHONE _____

DUNS NO. _____ E.I. NO. _____

(Note: Bidders shall not add any conditions or qualifying statement to this Bid as otherwise the Bid may be declared irregular as not being responsive to the Advertisement for Bids.)

(Note: The successful bidder will be required to provide a Performance Bond in an amount not less than 100% of the contract price in favor of the City of Oregon, Ohio, conditioned upon the faithful performance of the Contract.)

SECTION 15 – EXISTING PAVEMENT REPLACEMENT

DESCRIPTION OF WORK

Grasser Street – STA 0+80 to 7+18

PROPOSED WORK:

Full removal and replacement of pavement and curb including installation of aggregate base and underdrains, following the installation of sanitary, storm and waterline infrastructure. See also TRENCH DETAILS plan sheet.

a) Full Removal and Replacement:

Grasser: ~638 ft

Item 202, Removal of Existing Pavement (Consisting of approximately 2" of asphalt over 8" of concrete)

Item 202, Concrete Curb

Item 203, Excavation, As Directed

Item 204, Subgrade Compaction

Item 204, Proof Rolling, APP

Depth of undercut, if necessary, to be determined based on subgrade conditions

Replacement Pavement Section to be:

1.5" Asphalt Concrete Surface Course, Type I

2.5" Asphalt Concrete Surface Course, Type II

12" Item 304 Aggregate Base

6" Item 204 Granular Material, Type C, including Excavation As Directed (Contingency Quantity)

Item 605, 6" Construction Underdrains

Item 609, Curb, Type 6 (MS)

b) Maintenance of Traffic shall be per Contractor Specifications and Construction Sequencing.

Note (s):

- 1) The Contractor shall construct or install the above work in accordance to the Contract Specifications.
- 2) The proposed roadway shall maintain a consistent grade starting at the existing grade at both STA 0+80 and STA 7+18 and ending at the grade of the proposed catchbasins at STA 2+83.
- 2) Contractor shall schedule work with engineer a **minimum** of two weeks prior to work. The general public will be informed and updated by the City of Oregon on the project construction through the use of press releases to local media outlets, including newspapers, TV and radio stations. The contractor shall notify the City of Oregon in writing, a minimum of 15 days in advance of any detour, lane closures, and other construction related activities that would cause inconveniences to the traveling public.
- 3) All pavement removals edges shall be cut with neat lines by use of a power carborundum saw or mill machine. Saw cuts shall be full-depth. Removals shall be made only to the extent provided in the plans, or as approved by the project engineer.
- 4) The Contractor shall saw cut and carefully remove existing curb and gutter sections adjacent to existing concrete driveway approaches using extreme caution to not damage the existing driveway approaches. However, the contractor shall **only** be paid for the removal and replacement of concrete driveway approaches if the city determines it necessary due to circumstances beyond the contractor's control.
- 5) The limits of the asphalt driveway approach removal and replacement shall be 2 ft behind the back of curb unless shown otherwise on the project plans. The contractor shall neatly saw cut asphalt approaches.

- 6) The contractor shall furnish and maintain signs, barricades, lights, and flaggers necessary for the protection of traffic and the public at all times, day and night, during the work provided for under this project, and to comply with all instructions given by the City. All traffic control devices, flaggers, traffic maintenance methods and other operations to provide for protection of traffic shall conform to the requirements of the Ohio Manual of Traffic Control Devices, latest edition.
- 7) The contractor shall maintain access to driveways at all times unless working directly in front of drive. Access shall be maintained to all drives during non-working hours. The cost of any material necessary to maintain drive access shall be included in the Maintenance of Traffic pay item. Contractor must stage construction to maintain access to all existing drives, excluding cure time for concrete curbing. The contractor shall provide each property owner a minimum of forty-eight (48) hours written notice when access to their driveway(s) will be restricted due to construction.
- 8) The contractor must submit a project schedule for meeting the Construction Sequencing requirements, listed below, a minimum of two weeks prior to starting the work. In particular the schedule must provide an estimated proposed pavement removal length as addressed in Stage 4 of the Construction Sequencing.

ROADWAY RECONSTRUCTION SEQUENCING

Contractor shall install Type 3 "Road Closed to Thru Traffic" Barricades at each end of the project limits on Grasser Street at Navarre Avenue and Munding Drive. Contractor shall provide all of the necessary signs and barrels to sufficiently delineate the work area.

STAGE 1

Following sanitary sewer, storm sewer, and waterline installation, contractor shall begin at the north end of the Grasser with the removal of the existing pavement section, including curb and placing the aggregate base. The contractor shall **only** remove such existing pavement section that can be replaced with aggregate base **within the same day**.

Following the removal of the existing pavement and excavation to proposed subgrade, the City will evaluate the subgrade to determine if any undercutting is necessary. The contractor **must** install aggregate base for the section of pavement that was removed each day. The contractor **must** also provide stone ramps to allow access to drives.

Contractor shall install "Temporary No Parking" signs along both sides of the roadway within the project limits for this stage.

The contractor shall provide property owners a minimum of forty-eight (48) hours written notice when access to their driveway(s) will be restricted due to construction.

During working hours, the pavement removal work zone may be closed to all traffic. At the end of each work day, the contractor must open and maintain traffic through the work limits for local traffic.

Based on Contractor's production, the pavement section removal length may vary daily subject to base replacement requirements as noted above.

STAGE 2

Install 6" Underdrains. Pour Curb, Type 6 using MS concrete along one side of roadway at a time.

Contractor **must** provide aggregate ramps to maintain driveway access at all times during this Stage. The cost of providing temporary stone ramps to driveways shall be included in the Maintenance of Traffic Item (typical).

Contractor shall maintain traffic through the work limits for local traffic. Parking can be restricted during work hours.

STAGE 3

The intermediate asphalt pavement shall be placed within 5 working days of the completion of the concrete curbs.

Contractor may not begin removing drive ramps until the day the intermediate asphalt will be placed.
Contractor shall not be permitted to begin removing stone ramps to drives until 8:00 am.

The contractor shall provide property owners a minimum of forty-eight (48) hours written notice when access to their driveway(s) will be restricted due to construction.

Contractor shall install "Temporary No Parking" signs along both sides of the roadway within the project limits for this stage.

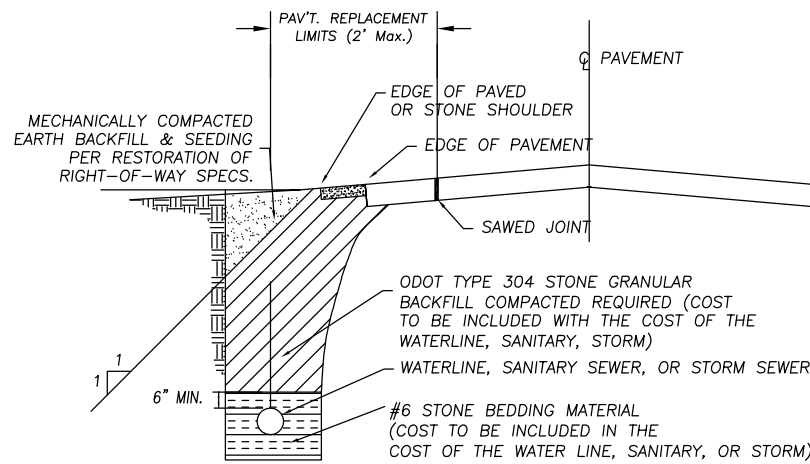
Contractor shall maintain traffic through the work limits for local traffic.

STAGE 4

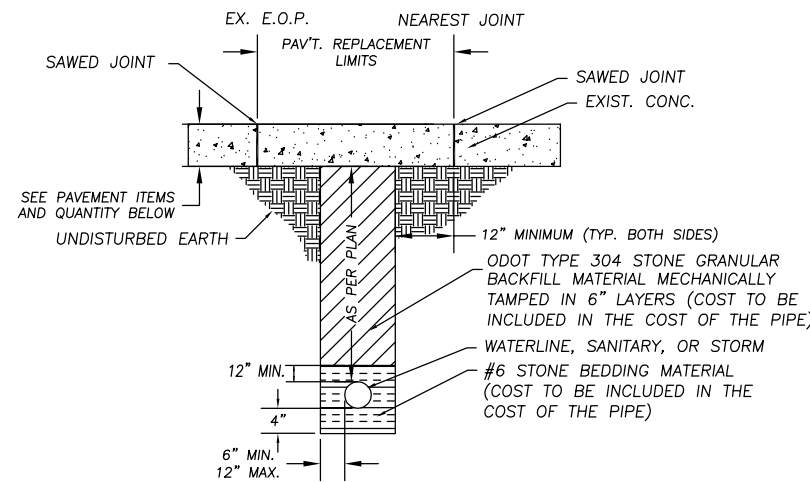
Contractor shall complete any driveway approach work and final restoration.

The contractor shall provide property owners a minimum of forty-eight (48) hours written notice when access to their driveway(s) will be restricted due to construction.

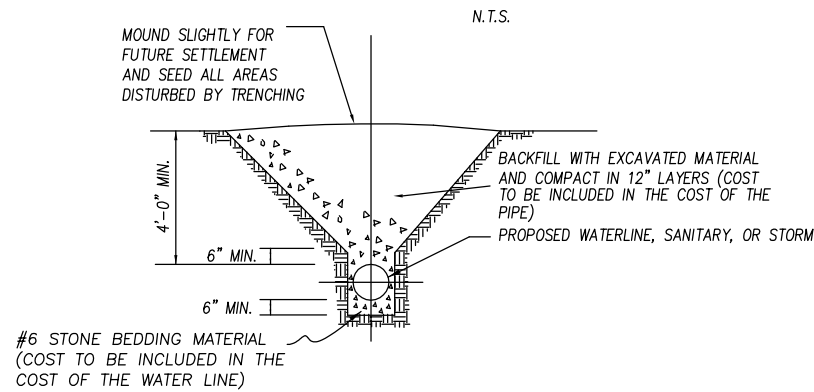
Contractor shall maintain traffic through the work limits for local traffic.



GRANULAR BACKFILLING OF TRENCH DETAIL
N.T.S.



TRENCH DETAIL IN CONCRETE DRIVEWAY PAVEMENT
N.T.S.



OPEN FIELD TRENCH SECTION
N.T.S.

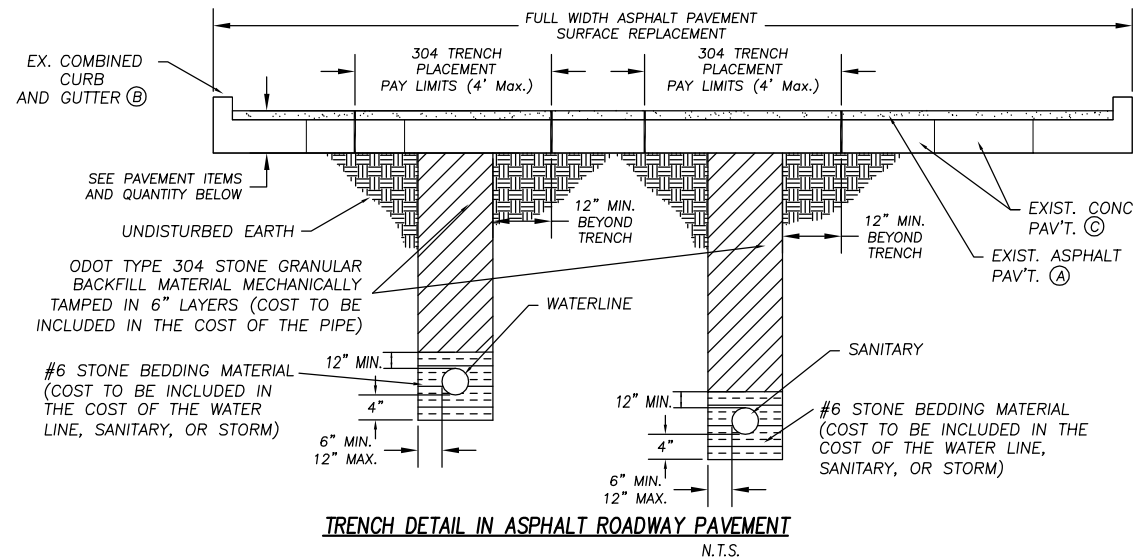
CONCRETE DRIVEWAYS

- 6" ITEM 452 PLAIN PORTLAND CEMENT (MS) - RESIDENTIAL
 - 8" ITEM 452 PLAIN PORTLAND CEMENT (MS) - COMMERCIAL
 - VARIES ITEM 304 AGGREGATE BASE (COST TO BE INCLUDED WITH COST OF PIPE)
- (REPLACEMENT TO BE FROM EDGE OF PAVEMENT TO NEAREST EXPANSION JOINT.)

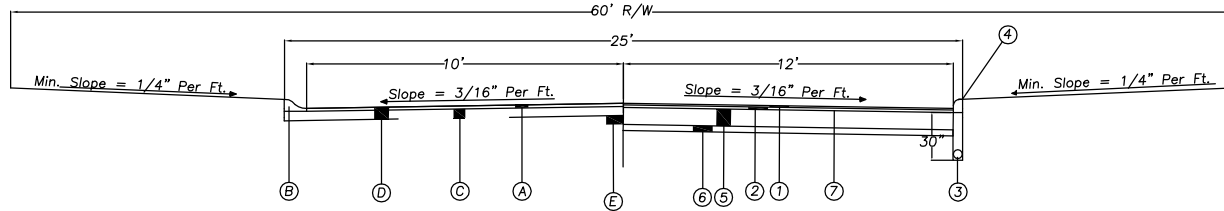
STONE & GRAVEL DRIVEWAYS

- 3" ITEM 411 STABILIZED CRUSHED AGGREGATE, OR AGGREGATE TO MATCH EXISTING, PER OWNER'S REQUEST.
 - VARIES ITEM 304 AGGREGATE BASE (COST TO BE INCLUDED WITH COST OF PIPE)
- (THE COST FOR RESTORING STONE & GRAVEL DRIVEWAYS SHALL BE INCLUDED UNDER THE RESTORATION OF RIGHT-OF-WAY ITEM.)

PAVEMENT ITEMS & QUANTITY PER TRENCH DETAILS



TRENCH DETAIL IN ASPHALT ROADWAY PAVEMENT
N.T.S.



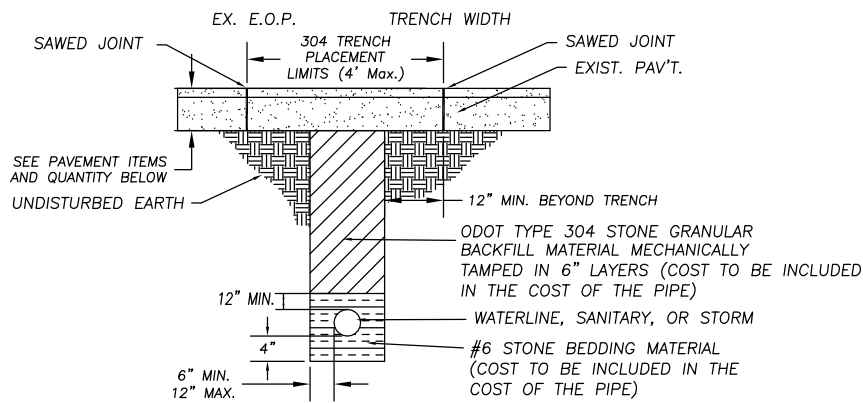
EXISTING SECTION

- (A) EXISTING ~ 2" ASPHALT CONCRETE SURFACE COURSE
- (B) EXISTING COMBINED CURB AND GUTTER
- (C) EXISTING CONCRETE PAVEMENT - 8" ±
- (D) ITEM 202 - PAVEMENT REMOVED
- (E) ITEM 203 - EXCAVATION

PROPOSED SECTION

- (1) PROPOSED ITEM 448 - 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE I
- (2) PROPOSED ITEM 448 - 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE II
- (3) ITEM 605 - 6" CONSTRUCTION UNDERDRAINS
- (4) ITEM 609 - CONCRETE CURB, TYPE 6
- (5) ITEM 304 - 12" AGGREGATE BASE, APP (QUANTITY BELOW PAVEMENT SECTION INCLUDE WITH COST OF THE PIPE)
- (6) ITEM 203 - 6" GRANULAR MATERIAL, TYPE C INCLUDE EXCAVATION (AS NECESSARY)
- (7) ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

TYPICAL PAVEMENT SECTION - GRASSER STREET (STA 0+80 TO 7+18)
N.T.S.



TRENCH DETAIL IN ASPHALT DRIVEWAY PAVEMENT
N.T.S.

ASPHALT ROADWAY TRENCH SECTION

- VARIES ITEM 304 AGGREGATE BASE (COST TO BE INCLUDED WITH COST OF PIPE)

ASPHALT DRIVEWAY SECTION

- 1-1/4" ITEM 412 ASPHALT, DRIVEWAY MIX, PG 64-22
 - 1-3/4" ITEM 448 ASPHALT CONCRETE, INTERMEDIATE COURSE (DRIVEWAY)
 - ITEM 408 BITUMINOUS PRIME COAT @ 0.40 GAL./S.Y.
 - VARIES ITEM 304 AGGREGATE BASE (COST TO BE INCLUDED WITH COST OF PIPE)
- (REPLACEMENT TO BE FROM EDGE PAVEMENT TO EDGE OF TRENCH WIDTH.)

EXISTING PAVEMENT, DRIVEWAY AND SIDEWALK REPLACEMENT

GENERAL

THIS ITEM COVERS THE REPLACEMENT, EXCEPT AS NOTED, OF BRICK, CONCRETE, ASPHALT CONCRETE OR SURFACE TREATED MACADAM PAVEMENTS, DRIVEWAYS, SIDEWALKS AND PARKING AREAS WHICH ARE DAMAGED OR REMOVED DURING TRENCHING, PIPE LAYING OR OTHER OPERATIONS. GRAVEL OR STONE ROADWAYS, DRIVEWAYS OR PARKING AREAS ARE NOT CLASSIFIED AS PAVEMENTS AND SHALL BE REPLACED TO A CONDITION SIMILAR TO THAT EXISTING BEFORE CONSTRUCTION ON THE PREVIOUSLY SPECIFIED BACKFILL.

THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL BE FOLLOWED INSOFAR AS APPLICABLE. DRIVEWAYS AND PARKING AREAS SHALL BE CLASSIFIED AS PAVEMENTS ACCORDING TO THE TYPES OF MATERIALS OF CONSTRUCTION.

PREPARATION

PRIOR TO THE REPLACEMENT OF THE PERMANENT PAVEMENT, ANY TEMPORARY PAVEMENT PLACED SHALL BE REMOVED. CONCRETE PAVEMENTS SHALL BE REMOVED TO A NEAT STRAIGHT EDGE TO A POINT 12-INCHES BEYOND EACH SIDE OF THE EXCAVATION, USING CARE TO PRESERVE ANY REINFORCEMENT WHENEVER POSSIBLE SO THAT IT CAN BE BENT BACK INTO PLACE. ASPHALT CONCRETE OR SURFACE TREATED MACADAM PAVEMENTS SHALL BE REMOVED TO A NEAT STRAIGHT EDGE.

IN ALL CASES, ANY EXCESS GRANULAR BACKFILL MATERIAL (304) PLACED SHALL BE REMOVED TO ALLOW FOR THE PLACEMENT OF THE PERMANENT PAVEMENT IN ACCORDANCE WITH THE THICKNESSES SUBSEQUENTLY SPECIFIED. IF REQUIRED, ADDITIONAL MECHANICALLY TAMPED GRANULAR BACKFILL MATERIAL (304) SHALL BE PROVIDED TO FILL ALL DEPRESSIONS AND BRING THE BASE TO THE PROPER ELEVATION. IF, IN THE OPINION OF THE CITY OR THEIR ENGINEER, THE AGGREGATE BASE IS NOT ADEQUATELY COMPACTED AND KEYS, THE BASE SHALL BE SCARIFIED TO A SUFFICIENT DEPTH AND THE AGGREGATE WORKED IN WITH MECHANICAL TAMPERS OR VIBRATORY DEVICES TO OBTAIN MAXIMUM KEYING. THE COMPACTED AGGREGATE SHALL HAVE A FIRM, EVEN SURFACE READY FOR THE PLACEMENT OF THE PERMANENT PAVEMENT.

CONCRETE PAVEMENT

CONCRETE PAVEMENT, INCLUDING DRIVEWAYS, SHALL BE REPLACED WITH CLASS I CONCRETE WITH MATERIALS AND WORKMANSHIP AS SPECIFIED BY THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATION. ALL CONCRETE MATERIALS SHALL BE APPROVED BY THE CITY OR THEIR ENGINEER. AN APPROVED READY-MIX CONCRETE MAY BE USED. THE THICKNESS OF CONCRETE SHALL BE THE SAME AS THAT OF THE EXISTING ADJACENT PAVEMENT, BUT IN NO CASE SHALL IT BE LESS THAN 6-INCHES.

REINFORCEMENT SHALL BE SUBSTANTIALLY THE SAME AS IN THE EXISTING PAVEMENT.

BRICK PAVEMENTS REMOVED SHALL BE REPLACED WITH CLASS I CONCRETE. BASES OF BRICK OR CONCRETE, HAVING AN ASPHALT WEARING SURFACE, SHALL BE REPLACED WITH CLASS I CONCRETE. THE WEARING SURFACE SHALL BE REPLACED WITH 1-1/2 INCHES OF 448 ASPHALT CONCRETE.

ASPHALT CONCRETE PAVEMENTS

ASPHALT CONCRETE PAVEMENTS SHALL BE REPLACED AS DETAILED:

A. THE SURFACE COURSE SHALL CONSIST OF A MINIMUM OF 1-1/2 INCHES OF ASPHALT CONCRETE, BUT IN NO EVENT SHALL THE THICKNESS BE LESS THAN THAT REMOVED. IF THE EXISTING THICKNESS IS OF SUFFICIENT DEPTH TO WARRANT MORE THAN ONE COURSE, THE MATERIAL SHALL BE PLACED IN THE PROPER NUMBER OF COURSES NECESSARY TO PROVIDE AN ACCEPTABLE SURFACE.

B. THE INTERMEDIATE COURSE SHALL CONSIST OF A MINIMUM OF 2-1/2 INCHES OF ITEM 301 ASPHALT CONCRETE, BUT IN NO EVENT SHALL THE THICKNESS BE LESS THAN THAT REMOVED. IF THE EXISTING THICKNESS IS OF SUFFICIENT DEPTH TO WARRANT MORE THAN ONE COURSE, THE MATERIAL SHALL BE PLACED IN THE PROPER NUMBER OF COURSES NECESSARY TO PROVIDE AN ACCEPTABLE SURFACE.

C. FACES OF EXISTING PAVEMENT, CURB, STRUCTURES, ETC., AGAINST WHICH THE MIXTURE IS TO BE PLACED AND THE MATING SURFACES WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT SHALL BE SEALED WITH BITUMINOUS MATERIALS.

TEMPORARY PAVEMENT

ALL PAVEMENT REPLACEMENT SHALL BE PLACED PRIOR TO OCTOBER 31ST UNLESS SPECIFIC PERMISSION IS GRANTED BY THE CITY OR THEIR ENGINEER. IN THE EVENT THAT THE PAVEMENT REPLACEMENT IS NOT COMPLETED PRIOR TO THIS DATE, THE TEMPORARY PAVEMENT SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE AND SHALL REMAIN IN PLACE AND BE PROPERLY MAINTAINED UNTIL THE PERMANENT PAVEMENT CAN BE PLACED IN THE SPRING, AS SOON AS THE WEATHER PERMITS.

CONCRETE SIDEWALKS

EXISTING CONCRETE OR BRICK SIDEWALKS WHICH MUST BE REMOVED DURING TRENCHING, PIPE LAYING OR OTHER OPERATIONS, OR WHICH ARE DAMAGED IN CONNECTION WITH THE WORK, SHALL BE REPLACED UPON CONCLUSION OF PIPE LAYING AND BACKFILLING OPERATIONS WITH NEW CONCRETE SIDEWALKS OF THE SAME WIDTH AS THE ORIGINAL. NEW SIDEWALKS SHALL BE 4-INCHES IN THICKNESS, EXCEPT AT DRIVEWAYS WHERE THEY SHALL BE 6-INCHES THICK, AND SHALL BE LAID TO THE ESTABLISHED SIDEWALK GRADE. ALL CONCRETE SHALL BE CLASS I WITH MATERIALS AND WORKMANSHIP AS PREVIOUSLY SPECIFIED IN SECTION C. ALL MATERIALS SHALL BE APPROVED BY THE CITY OR THEIR ENGINEER. AN APPROVED READY-MIX CONCRETE MAY BE USED. INSTALLATION SHALL BE IN ACCORDANCE WITH ITEM 608.03, WITH 1/2 INCH MASTIC EXPANSION STRIPS PROVIDED AT 25 FOOT INTERVALS.

SIDEWALKS OTHER THAN CONCRETE OR BRICK SHALL BE CLASSIFIED AS PAVEMENT AND SHALL BE REPLACED AS PREVIOUSLY SPECIFIED FOR THE APPROPRIATE TYPE OF PAVEMENT.

BERMS, CURBS, GUTTERS, ETC.

ANY BERM, CURB, CURB DRAIN OR CURB AND GUTTER ON EITHER SIDE OF THE PAVEMENT WHICH ARE DAMAGED OR REMOVED MUST BE REPLACED IN THEIR ORIGINAL CONDITION AS FOUND. MATERIALS SHALL BE AS APPROVED BY THE CITY OR THEIR ENGINEER.

PAYMENT

WHERE EXISTING PAVEMENT SURFACE AND/OR BASE IS DAMAGED OR UNDERMINED AS DETERMINED BY THE ENGINEER, REPLACEMENT OR RESURFACING AS DETAILED ABOVE SHALL BE REQUIRED. THE COST OF PAVEMENT REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PERTINENT ITEMS.

SCALE AS SHOWN
DRAWN A.L.B.
CHECKED
DATE 11/16/17

TRENCH DETAILS

CITY OF OREGON