LIMA WATER SYSTEM IMPROVEMENTS
CONTRACT 1: UPGROUND RESERVOIR
2009
ADDENDUM NO. 4
July 1, 2009

The following addendum items modify, change, delete from or add to the requirements of the May 2009 Contract Documents for this project. The articles contained in this Addendum No. 4 take precedence over the requirements of the previously published Contract Documents. Where any article of the Project Manuals or any detail of the Contract Drawings is modified or any Article, Paragraph, Subparagraph or Clause thereof is modified, added or deleted by the articles contained in this Addendum, the unaltered provisions of that Article, Paragraph, Subparagraph or Clause shall remain in effect.

PART 1 – PROJECT MANUAL / SPECIFICATIONS

1. CHANGE TO INSTRUCTIONS TO BIDDERS:

Page IB-9, Paragraph 24.01 – At the end of paragraph, insert the sentence "Bids submitted by Bidders not listed on the Pre-Bid Conference Sign-in Sheet will not be opened."

2. Section 02550 name should be changed from "Stormwater System" to Roadside Drainage" to match the footings and the table of contents name for this section.

3. Add the following sentences to the end of Section 02550, Roadside Drainage, Part 3, 3.01 Placement, Paragraph E:

> "Pipes used to connect existing catch basins to the new stormwater system shall consist of pipe that meets Specification Section 02550, 2.01 C. The pipe diameter shall be equal to that currently coming out of the existing catch basin which was intercepted by the new stormwater system, except replace existing 4-inch diameter pipes with 6-inch-dimater pipes."

4. Section 02550, Roadside Drainage, add to end of Section 3.01, Placement: "L. Within roadway cuts in Sunderland Road, over the gravel bedding around and over the pipes, place and compact ODOT Item 304 to 100 % of maximum as determined by ASTM D-698 to the pavement subgrade level. The pavement repair section to consist of:

1. 1.25 inches of ODOT Item 441 – Type 1 Surface Course
2. Tack Coat
3. 4.75 inches of ODOT Item 301 – Base Course
4. Prime Coat
5. Item 304 backfill for crossing as shown on Plan Sheet C4.2

5. All pavements to be designed for medium traffic per ODOT Item 441. Pavement on Sunderland Road to be saw-cut at least 2 feet beyond the limits of excavation. Pavement replacement quantities are included in the Quantities of Items 41 thought 43 of the Schedule of Values.

6. Insert into SUPPLENTAL INFORMATION the attached Application for Permit to Construct within Road Right-of-Way. Note the Contractor shall obtain a $50,000 surety bond which will name Allen County Engineer as the oblige. The surety bond must remain active for a period of one year after the project has been deemed complete by the City of Lima and the Allen County Engineer. See the attached permit.

7. Addendum 2, Question 46. Replace the Answer with the following: Pavement Repair quantities are included in the Schedule of Values items 41 and 43. Pavement repair section to be as given above.

PART 2 – PLANS

1. Plan Sheet C4.1 Manhole 15 – replace 6" E INV = 818.16 with 10" E INV = 817.82.

2. Plan Sheet C13. Fish Spawning Point Details. Revise the limits of Dumped Rock as shown on the attached sketch. Dumped Rock is to continue around the nose of the Point.

3. Plan Sheet C14. Replace "6 inch Stripped Tosoil' with 'Stripped Topsoil"..

4. Plan Sheet C15. Revise the Filter Diaphragm Section from a width of 32 feet to a width of 25 to 32 feet as shown on Sheets C20 and C21.

5. Plan Sheet C16. Replace two pavement sections with the one new section attached. This pavement section shall be used for parking lots, drives, paved maneuver area and make-ready area.

6. Plan Sheet C20. The riprap apron shown at the end of the influent channel is to be constructed as shown on the attached sketch.

7. Plan Sheet C21. The riprap aprons at the inlets of intake pipe are to be 8-feet wide, centered on the intake pipe. The aprons are to have 30 inches of Dumped Rock over 6 inches of Bedding Stone.

8. Plan Sheet C22. The riprap apron at the headwall is to be constructed as shown on the attached sketch. The riprap apron around the 8-inch diameter inlet pipe is to be 10 feet along the slope. Riprap is to be 30 inches of Dumped Rock over 6 inches of Bedding Stone.

9. Plan Sheet M7. Omit Cottonwoods (Populus deltoides) from the Slope/Buffer Plantings on the Gable property (located on the west side of Sunderland Road).

PART 3 – CLARIFICATIONS

1. Schedule of Values Item 9 Pipe to Connect to Exiting Catch Basins was replaced with 3 items – showing replacement with 6", 8" and 10" diameter pipes.

2. Schedule of Values Item 26J,(Erosion Control Mat), units changed from cubic yard to square yard.

3. Goose Fencing was added as Item 26T of the Schedule of Values.

4. Revise the quantities and measurement method for Item 31 (Fine Aggregate), Item 32 (Coarse Aggregate), Item 36 (Bedding Stone), and Item 37 (Dumped Rock) as shown on the revised Schedule of Values.

LIMA WATER SYSTEM IMPROVEMENTS
CONTRACT 1: UPGROUND RESERVOIR
2009
ADDENDUM NO. 4
July 1, 2009

PART 4 – QUESTIONS AND ANSWERS

Q1) Will Bids be accepted from potential Bidders whose company did not have a representative at the mandatory Pre-Bid Conference on June 9, 2009?

A1) No. Bids submitted by Bidders not listed on the Pre-Bid Conference Sign-in Sheet will not be opened. See this addendum for further clarification.

Q2) Are bids for the three projects (Contracts 1, A, and B) all due by 10:00 am?

A2) Yes. Bids for all three projects are due by 10:00 am on July 10, 2009. Bids will be opened at 10:00 am for all three projects.

Q3) Supplemental Conditions SC-3 (A) requires a Builders Risk Insurance Policy. Since this project is principally earthwork, is it necessary?

A3) No. Builder's Risk Insurance is not specifically required for this contract. The performance bond is to guarantee completion of the project. The successful bidder shall determine their insurance needs.

Q4) Sheet C20 shows a maximum pipe trench width of 22 feet and Sheet C21 shows a maximum pipe trench width of 15 feet. Why are these so wide?

A4) The trenches for the ductile iron pipe can be less.

Q5) What seed mix is to be used for Item #40 Seeding and Mulching in the Schedule of Values?

A5) Use the seed mix given in Section 02921 "Seeding and Mulching" of the Specifications.

Q6) There are two seed mixes listed for the Wetland Buffer Seed Mix on Plan Sheet M-3? Which one is to be used?

A6) Both seed mixes are to be applied to the wetland buffer areas at the rates shown.

Q7) There are line items for Plant Replacement and Maintenance, but there are no specifications. How is this work to be handled?

A7) These items are Lump Sum items. The Contractor is to provide necessary maintenance to establish suitable vegetative growth and also replace any plantings that are not alive at the end of one year as noted on Sheet M-1.

Q8) What are the seed types and limits for the wetland and stream mitigation areas? What are the planting limits?

A8) See Sheet M-2 and the Sections shown on Sheet M-3 for the Wetland work. See the Planting/Seeding Typical Section on Sheet M-7 for the limits on the Stream Mitigation.

Q9) The Schedule of Values lists Item 26L as Embankment/Buffer Seeding and Mulching, APP. Is that the "Permanent Buffer Seed" mix shown on Plan M-3?

A9) Yes.

Q10) Are the live stakes for the wetland and stream mitigation the same?

A10) No. The live stakes for the wetland areas, including the vernal pools, are as shown on Sheet M-3. The live stakes for the stream mitigation areas are shown on Sheet M-7.

LIMA WATER SYSTEM IMPROVEMENTS
CONTRACT 1: UPGROUND RESERVOIR
2009
ADDENDUM NO. 4
July 1, 2009

PART 4 - ATTACHMENTS

Schedule of Values dated 7/1/09
Allen County Engineer's Application for Permit to Construct Within Road Right-of-Way
Fish Spawning Point Detail
Asphalt Pavement Section
Influent Flume Riprap
Overflow Pipe Riprap Detail

NOTICE
THIS ADDENDUM MUST BE ACKNOWLEDGED BY ENTRY OF THE ADDENDUM NUMBER IN THE REQUISITE SPACE ON THE BID FORM AND THE RETURN OF THE ENTIRE ADDENDUM WITH THE BID. FAILURE OF A BIDDER TO ACKNOWLEDGE AND INCLUDE THIS ADDENDUM MAY CAUSE THE BID TO BE REJECTED AS INCOMPLETE.

ISSUED: July 1, 2009

The City of Lima
BBC&M Engineering, Inc.

+ + END OF ADDENDUM NO. 4 + +

SCHEDULE OF VALUES
LIMA WATER SYSTEM IMPROVEMENTS
CONTRACT 1 - UPGROUND RESERVOIR
ADDENDUM NO. 4

7/1/2009

ITEM	DESCRIPTION	SECTIONS	LABOR	MATERIALS	QUANTITY	UNIT	ITEM TOTAL
1	Mobilization/Demobilization	02020	$	$	Lump Sum		
2	Traffic Control	02100	$	$	Lump Sum		
3	Erosion Control System	02200	$	$	Lump Sum		
4	Demolition	02221	$	$	Lump Sum		
5A	Grubbing	02230	$	$	30	Ac	
5B	Clearing	02230	$	$	6,000.0	SF	
6	Topsoil Stripping	02230	$	$	238,000	C.Y.	
7	Topsoil - Placed on Slopes	02230	$	$	47,000	C.Y.	
8	Topsoil - Placed in Reservoir Bottom	02230	$	$	240,500	C.Y.	
9A	6" P.E. Pipe (to existing catch basins)	02550	$	$	238	LF	
9B	8" P.E. Pipe (to existing catch basins)	02550	$	$	50	LF	
9C	10" P.E. Pipe (to existing catch basins)	02550	$	$	25	LF	
10	8-inch pipe (under new entrance drives)	02550	$	$	70	LF	
11	12 inch pipe	02550	$	$	1,040	LF	
12	15" Pipe	02550	$	$	205	LF	
13	18" Pipe	02550	$	$	1,147	LF	
14	24" Pipe	02550	$	$	2,005	LF	
15	30" Pipe	02550	$	$	2,719	LF	
16	36" Pipe	02550	$	$	3,986	LF	
17	42" Pipe	02550	$	$	4,847	LF	
18	Manhole 48 - inch base	02550	$	$	2	EA	
19	Manhole 72 - inch base	02550	$	$	2	EA	
20	2 - 3 Catch Basin	02550	$	$	22	EA	
21	2 - 4 Catch Basin	02550	$	$	27	EA	
22	24" Headwall	02550	$	$	1	EA	
23	36" Headwall	02550	$	$	1	EA	
24	42" Headwall	02550	$	$	2	EA	
25	Headwall Rock Channel Protection	02550	$	$	33	CY	
26	**Wetland Mitigation**	Sheet M1 - M7					
26A	Clearing and Grubbing	Sheet M1 - M7	$	$	Lump Sum		
26B	Relocation of Drain Tiles, Complete	Sheet M1 - M7	$	$	Lump Sum		
26C	Excavation	Sheet M1 - M7	$	$	15,200	CY	
26D	Embankment	Sheet M1 - M7	$	$	250	CY	
26E	Sediment Fence	Sheet M1 - M7	$	$	1,650	LF	
26F	Rock Channel Protection, Type D	Sheet M1 - M7	$	$	5	CY	
26G	Conservation Area Sign, Complete	Sheet M1 - M7	$	$	27	EA	
26H	Topsoil Stockpiled	Sheet M1 - M7	$	$	18,600	CY	
26I	Placing Stockpiled Topsoil	Sheet M1 - M7	$	$	18,600	CY	
26J	Erosion Control Mat, Type A, per 712.11	Sheet M1 - M7	$	$	725	SY	
26K	Outlet Structure with Stoplogs, Complete	Sheet M1 - M7	$	$	1	EA	
26L	Embankment/Buffer Seeding and Mulching, APP	Sheet M1 - M7	$	$	25,000	S.Y.	
26M	Wetland Seeding and Mulching, APP	Sheet M1 - M7	$	$	84,300	S.Y.	
26N	3 Gallon Trees	Sheet M1 - M7	$	$	2,290	EA	
26O	3 Gallon Shrubs	Sheet M1 - M7	$	$	1,015	EA	
26P	3 Gallon Sedges	Sheet M1 - M7	$	$	2,290	EA	
26Q	Live Stakes in Vernal Pools (8' Centers)	Sheet M1 - M7	$	$	580	EA	
26R	Maintenance	Sheet M1 - M7	$	$	Lump Sum		
26S	Plant Replacement	Sheet M1 - M7	$	$	Lump Sum		
26T	Goose Fencing	Sheet M1 - M7	$	$	5,120	LF	
27	**Stream Mitigation**	Sheet M1 - M7					
27A	Clearing and Grubbing	Sheet M1 - M7	$	$	10.1 Acres		
27B	Topsoil Stripping and Replacement	Sheet M1 - M7	$	$	16,260	CY	
27C	Relocation of Drain Tiles, Complete	Sheet M1 - M7	$	$	Lump Sum		
27D	Excavation - Sawmiller	Sheet M1 - M7	$	$	18,000	CY	
27E	Excavation - Gable	Sheet M1 - M7	$	$	30,000	CY	
27F	Granular Material, Type F, No 2 Stone	Sheet M1 - M7	$	$	15	CY	
27G	Granular Material, Type F, No 57 Stone	Sheet M1 - M7	$	$	25	CY	
27H	Rock Channel Protection, Type C w/ Filter	Sheet M1 - M7	$	$	125	CY	
27I	Rock Channel Protection, Type D w/ Filter	Sheet M1 - M7	$	$	165	CY	
27J	Conservation Area Sign, Complete	Sheet M1 - M7	$	$	46	EA	
27K	Slope/Buffer Seeding	Sheet M1 - M7	$	$	23,400	S.Y.	
27L	Floodplain Seeding	Sheet M1 - M7	$	$	17,150	S.Y.	

27M	3 Gallon Trees	Sheet M1 - M7	$	$	525	EA	
27N	3 Gallon Shrubs	Sheet M1 - M7	$	$	525	EA	
27O	Live Stakes	Sheet M1 - M7	$	$	1,930	EA	
27P	Maintenance	Sheet M1 - M7	$	$	Lump Sum		
27Q	Plant Replacement	Sheet M1 - M7	$	$	Lump Sum		
28	Field Tile Removal	02221	$	$	21,875	LF	
29	Core Trench - Excavation and Backfill	02221	$	$	18,940	LF	
30	Structural Fill Excavation and Placement	02400	$	$	4,070,000	C.Y.	
31	Fine Aggregate	02305	$	$	45,000	CY	
32	Coarse Aggregate	02305	$	$	3,700	CY	
33	Blanket Drain Pipe	02530	$	$	19,600	L.F.	
34	Blanket Drain Outlet Pipe	02530	$	$	2,600	L.F.	
35	Geotextile	02510	$	$	90,000	S.Y.	
36	Bedding Stone	02510	$	$	9,100	CY	
37	Dumped Rock	02510	$	$	57,250	CY	
38	Wearing Stone - ODOT Item 304	02305	$	$	12,900	Tons	
39	Turf Reinforced Mat, Type 2	02921	$	$	780	SY	
40	Seeding & Mulching	02921	$	$	279,600	S.Y.	
41	Asphalt Concrete - Surface Course	02710	$	$	280	CY	
42	Asphalt Concrete - Intermediate Course	02710	$	$	600	CY	
43	Asphalt Concrete - Base Course ODOT Item 301	02710	$	$	17	CY	
44	Concrete Masonry Unit Step	04300	$	$	246	Each	
45	54 " Ductile Iron - Class 150	02600	$	$	131	L.F.	
46	54 " Ductile Iron - Class 56	02600	$	$	160	L.F.	
47	42" Ductile Iron - Class 150	02600	$	$	391	L.F.	
48	42" Ductile Iron - Class 55	02600	$	$	160	L.F.	
49	Reinforced Concrete - Structures	03300	$	$	535	C.Y.	
50	Reinforced Concrete - General	03300	$	$	305	C.Y.	
51	No. 57 Stone	02305	$	$	125	Tons	
52	No. 8 Stone	02305	$	$	540	Tons	
53	Flowable Fill	03400	$	$	630	C.Y.	
54	Pre-Cast Walkway	03500	$	$	1	each	
55A	Intake Screen - 54 inch	11200	$	$	1	Each	
55B	Intake Screen - 42 inch	11200	$	$	3	Each	
55C	Intake Screen - 8 inch	11200	$	$	1	Each	
56	Butterfly Valve - 54"	11100	$	$	2	Each	
57	Butterfly Valve - 42"	11100	$	$	4	each	
58	Butterfly Valve - 8"	11100	$	$	1	Each	
59	Protection Fence	05600	$	$	117	L.F.	
60	Aluminum Railing	05500	$	$	106	L.F.	
61	Aluminum Grating	05700	$	$	360	SF	
62	Wood Bollard	02715	$	$	1,053	Each	
63	Wood Bumper Post	02715	$	$	30	Each	
64	Picnic Table	02716	$	$	3	Each	
65	Pedestal Park Grill	02717	$	$	3	Each	
66	Trash Receptacle	02718	$	$	2	Each	
67	Metal Bollard - Removable	02719	$	$	4	Each	
68	Metal Bollard - Fixed	02720	$	$	4	Each	
69	Access Gate	02720	$	$	2	Each	
				TOTAL BID		**$**	

ALLOWANCES

1	Overexcavation		$	$	CY	$	10,000.00
2	Pavement Repair		$	$	Lump Sum	$	150,000.00
				TOTAL ALLOWANCES		**$**	**160,000.00**
				TOTAL WITH ALLOWANCES		**$**	

APPLICATION FOR PERMIT TO CONSTRUCT WITHIN ROAD RIGHT-OF-WAY

ALLEN COUNTY ENGINEERS OFFICE
1501 N. SUGAR STREET
LIMA, OHIO 45801-3136
PHONE: (419) 228-3196 FAX: (419) 227-2920

City of Lima – Contract 1: Up-ground Reservoir

Permit Fee: $100.00
Surety Bond: $50,000.00

Date: _____
Expires one year from above date.
Annual Renewal Required.

(Please Print)
Applicant Name: _____ Phone #: _____

Mailing Address: _____ City _____ State _____ Zip _____

Project location: At or along _____ Road in _____ Township.

☐ North ☐ South ☐ East ☐ West of the closest intersection with _____ Road.

WORK TO BE COMPLETED

(Check all that apply)

☐ **Dirt Work (Sections 1 and 4)** ☐ **Tile and Catch Basins in ROW (Sections 2 and 4)**

☐ **Road Cut (see Sections 3 & 4)**

Briefly explain work to be performed: Transportation of soil across Sunderland Road, connection of existing catch basins to new stormwater system, the installation of a 36-inch diameter and a 42-inch diameter stormwater pipe under Sunderland Road, and the installation of two catch basins within the Right-of-Way of Sunderland Road at the locations shown as CB- 35A and CB-40A on the plans developed by BBC&M Engineering, Inc. titled "Lima Water Systems Improvements: Contract 1, Upground Reservoir"and according to the referenced plans.

Section 1: Dirt Work

1. The proposed work includes the transportation of soil across Sunderland Road to the Reservoir Site.
2. The Allen County Engineer assumes no liability for any damages that may occur to the applicant or the property as the result of the movement of soil across the road.
3. Contractor shall protect the pavement from damage with the use of steel plates, soil and/or other measures necessary to protect the pavement.
4. Contractor shall use portions of roadway to be open cut for tile (stormwater pipe) installation for the movement of soil over the roadway.
5. Contractor shall follow the conditions under Section 4 of this permit.

Section 2: Tile and Catch Basins in ROW

1. All construction must comply with the Project Plans and Specifications.
2. Backfill the trenches under pavements as described in Section 3 below.
3. The Contractor shall use smooth interior and annular exterior corrugated pipe per ODOT 707.33 to connect existing catch basins along Grubb and Agerter Rd. to the new stormwater system.
4. If the roadway pavement, roadside shoulders, existing tiles, existing catch basins or ditches are damaged either by construction, construction equipment or by excessive weight the Contractor will make complete restoration as advised by the Allen County Engineer.

Section 3: Road Cut Specifications

A. Conditions necessitating opening of pavement: significantly more cost-effective than boring, and size of pits required for 36 and 42-inch bores would impact existing utilities.

B. The opening in the pavement will be approximately 16.5 feet long by _____to _____ feet wide by 7 to 9 feet deep.

C. Backfill trench by compacting ODOT Item 304 to 100% of Standard (ASTM-698) over the pipe bedding material to the pavement subgrade level.

D. Edges of pavements to be removed during open cut to be saw cut not less than 2 feet beyond the edges of the trench excavations.

E. Pavement replacement shall consist of 1.25 inches of ODOT Item 441 (Type 1 Surface Course), a tack coat, 4.75 inches of ODOT Item 441 (Type 2 Intermediate Course), and a prime coat over the Item 304. All pavements for medium traffic and in accordance with ODOT 448.

F. Pavement is to be placed and compacted to the complete satisfaction of the Allen County Engineer.

That traffic will be maintained at all times, unless permission is granted by the Allen County Engineer to do otherwise.

1. That the necessary lights, signs, barricades, flagmen and watchmen are maintained for the protection of traffic at all times, day and night, as instructed by the Allen County Engineer until work is completed.
2. That the Surety Bond must name the Allen County Engineer as the obligee.
3. That the permit and the Surety Bond must remain active for a period of one year after the project has been deemed complete by the City of Lima and the Allen County Engineer.
4. That the Surety Bond will not be returned to the applicant until the construction meets the specifications set forth by the Allen County Engineer, the Allen County Inspector, and the Allen County Standard Construction Drawings.
5. That if the one year period between the date given on the permit and the completion of the work is not met, the applicant will be required to renew the permit and the Surety Bond. If the permit expires before the work has begun, the application must be re-filed with the Engineer's Office along with the standard fee.

_____ ☐ Landowner ☐ Contractor

Applicant Signature Date

Office Use Only

Comments: _____

Outlet Available: ☐ Yes ☐ No By: _____

Permit to do this work under the conditions stated is hereby ☐ Granted ☐ Denied

By _____

Engineer Date

Final inspection of this project has been performed by the Allen County Engineer's Office.

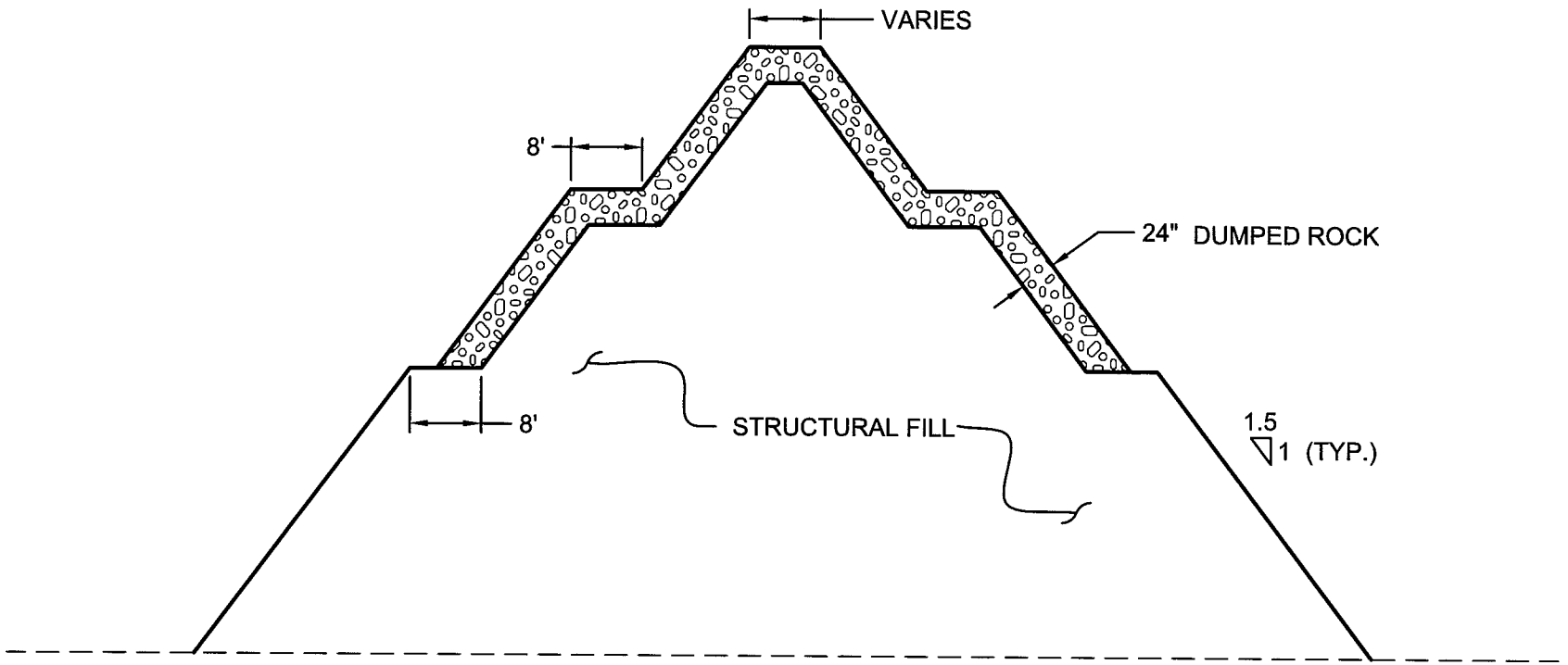
By _____

County Inspector Date

The Application is hereby released of requirements set forth by this permit.

Images:
Xrefs:
File Last Updated: Jun 30, 2009
Plot Info: 6-30-2009 @ 4:49pm By: RHoops
BBC&M Filename: I:\DEPTS\CADD\Drawings\Projects\011-08123-003\DRAWINGS\100 Percent\011-08123-003 - C13 Typical Embankment Sections.dwg Layout: 8.5x11L

NOTE: NOSE OF THE POINT IS SIMILAR.



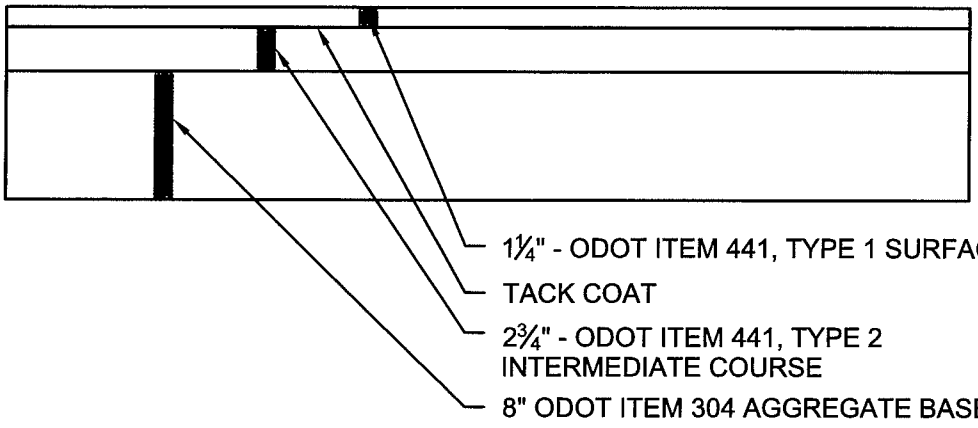
ADDENDUM 4

FISH SPAWNING POINT DETAIL

LIMA WATER SYSTEM IMPROVEMENTS
CONTRACT 1: UPGROUND RESERVOIR
CITY OF LIMA, ALLEN COUNTY, OHIO

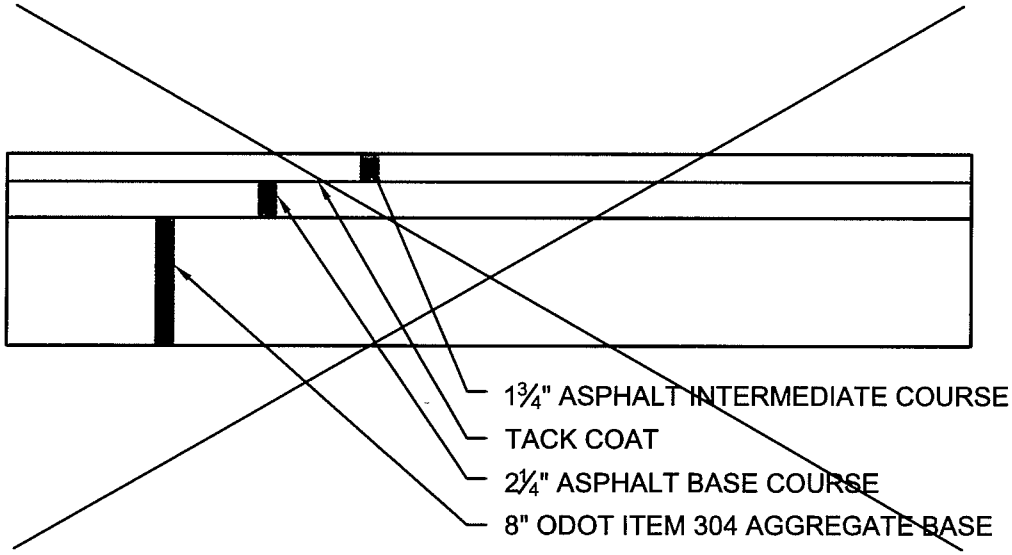
Project: 011-08123-003	Drawn By: RSH	
Drawing Date: 6-30-2009	Approved By: JMT	
Last Updated: 6-30-2009	Scale: NONE	1:1

BBCM
SOLUTIONS TO BUILD ON
Columbus (614) 793-2226
Cleveland (216) 901-1000
Cincinnati (513) 771-8471
Dayton (937) 424-1011



ASPHALT PAVEMENT SECTION - PARKING LOTS, DRIVES, PAVED MANEUVER AREA, AND MAKE-READY AREA

NTS



ASPHALT PAVEMENT SECTION - SLOPING ACCESS RAMPS

NTS

ADDENDUM 4

ASPHALT PAVEMENT SECTION

LIMA WATER SYSTEM IMPORVEMENTS
CONSTRACT 1: UPGROUND RESERVOIR
CITY OF LIMA, ALLEN COUNTY, OHIO

Project: 011-08123-003	Drawn By: RSH	
Drawing Date: 6-30-2009	Approved By: JMT	
Last Updated: 6-30-2009	Scale: NONE	1:1

BBCM
SOLUTIONS TO BUILD ON
Columbus (614) 793-2226
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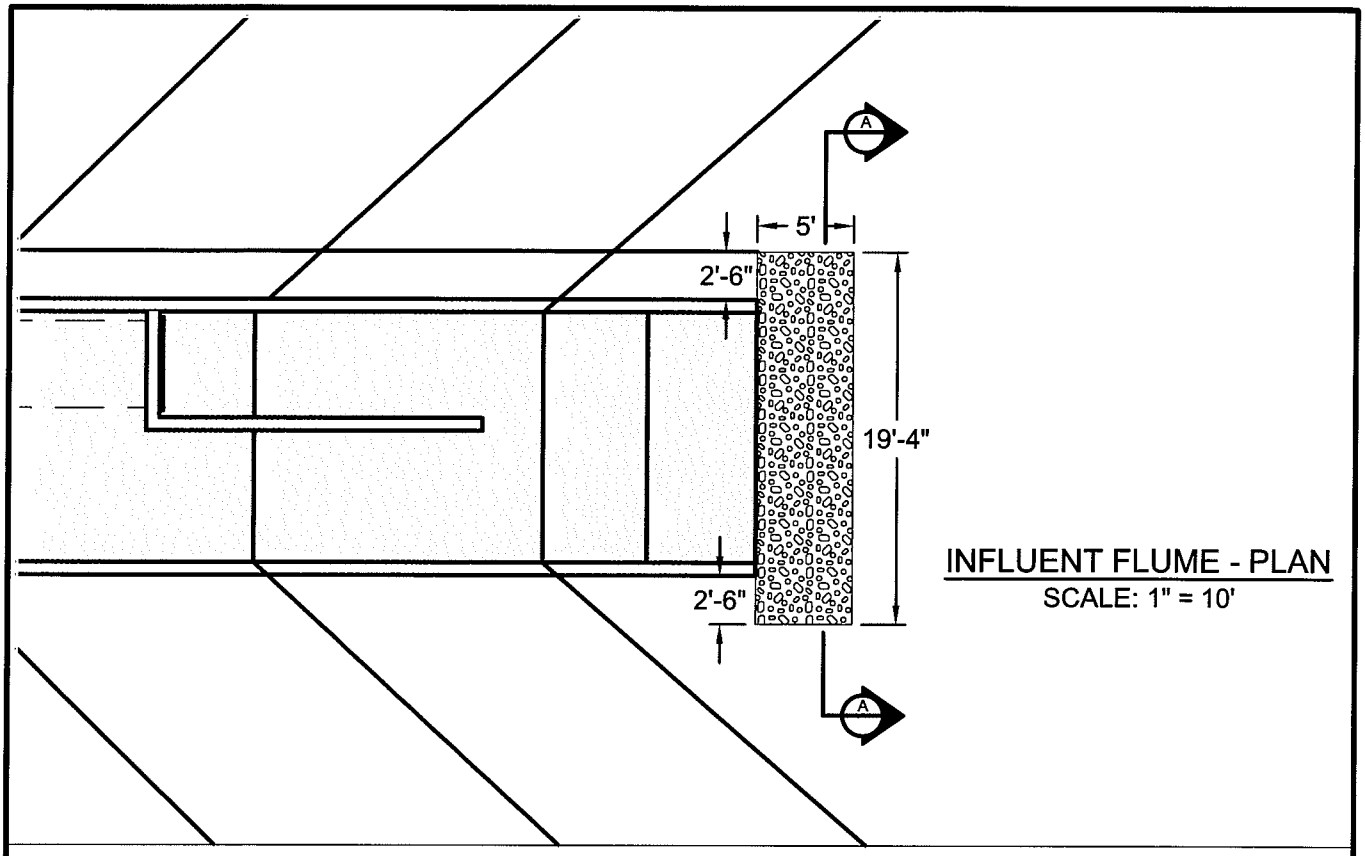
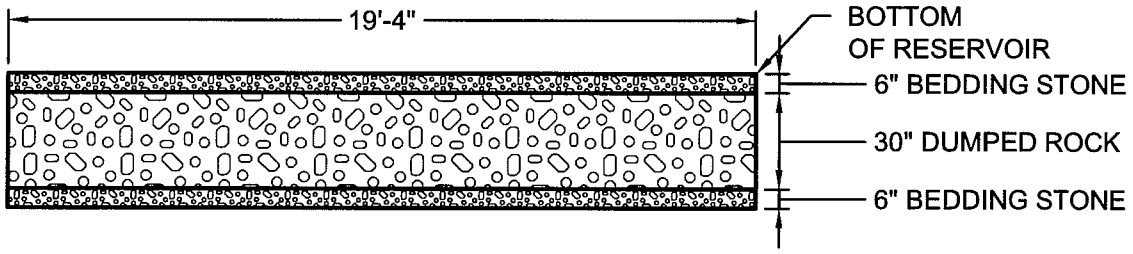


INFLUENT FLUME - PLAN
SCALE: 1" = 10'



SECTION A-A
SCALE: 1" = 5'

ADDENDUM 4

INFLUENT FLUME RIPRAP

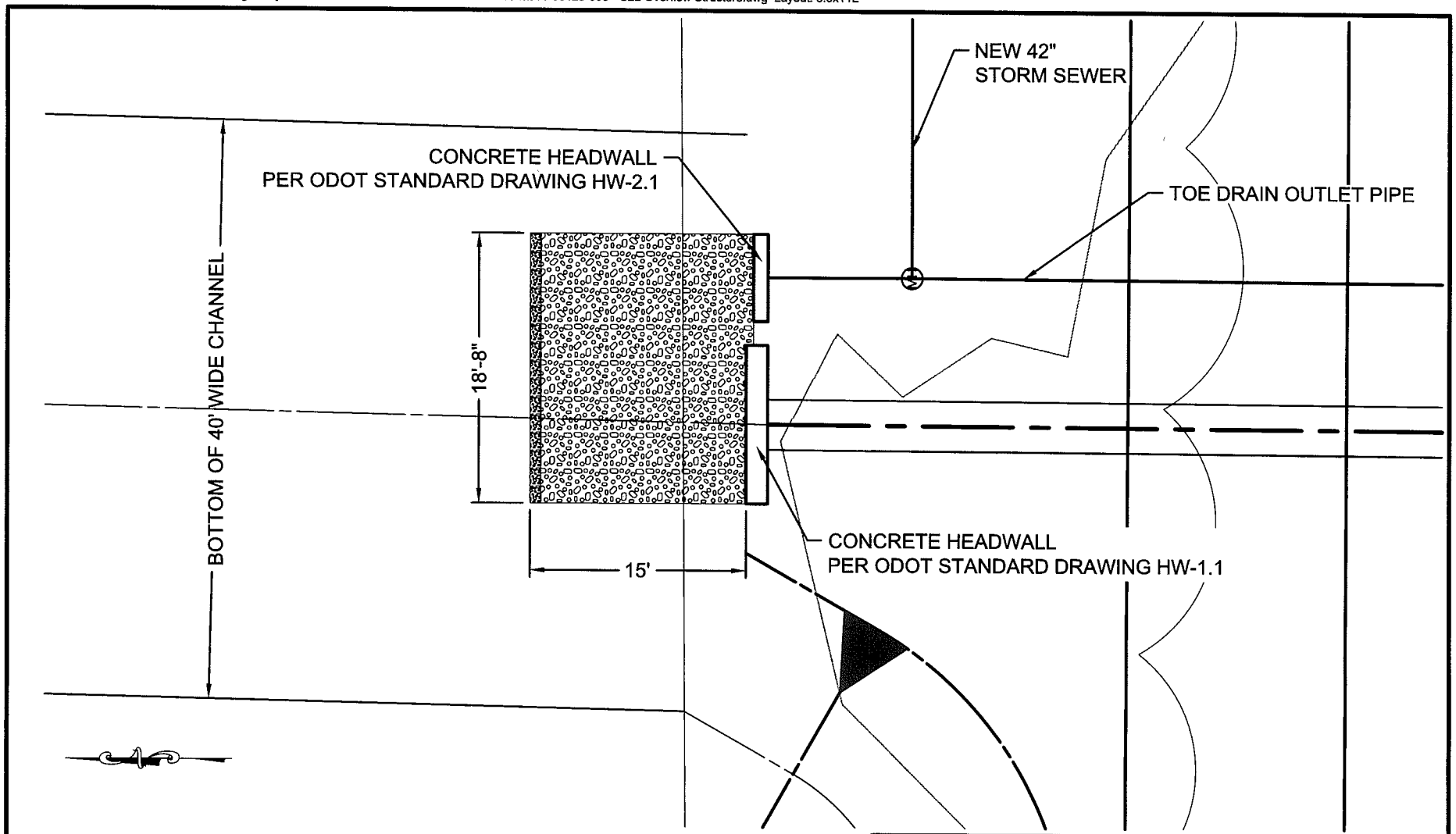
LIMA WATER SYSTEM IMPROVEMENTS
CONTRACT 1: UPGROUND RESERVOIR
CITY OF LIMA, ALLEN COUNTY, OHIO

Project: 011-08123-003	Drawn By: RSH	
Drawing Date: 6-30-2009	Approved By: JMT	
Last Updated: 5-28-2009	Scale: VARIES	1:1

BBCM
SOLUTIONS TO BUILD ON
Columbus (614) 793-2226
Cleveland (216) 901-1000
Cincinnati (513) 771-8471
Dayton (937) 424-1011

Images:
Xrefs:
File Last Updated: May 28, 2009
Plot Info: 6-30-2009 @ 4:38pm By: RHoops
BBC&M Filename: I:\DEPTS\CADD\Drawings\Projects\011-08123-003\DRAWINGS\100 Percent\011-08123-003 - C20 Influent Structure.dwg Layout: 8.5x11P

Images: ~011-08123-003 Lima Reservoir Area.tif ~2009 02 02 Letter from Tim piper - The Attachment-drainge ways and boundaries Page 1.jpg
Xrefs: ~011-08123-003 BASE.dwg ~Base-04.dwg
File Last Updated: Jun 30, 2009
Plot Info: 7-1-2009 @ 9:01am By: RHoops
BBC&M Filename: I:\DEPTS\CADD\Drawings\Projects\011-08123-003\DRAWINGS\100 Percent\011-08123-003 - C22 Overflow Structure.dwg Layout: 8.5x11L



OVERFLOW HEADWALL RIPRAP

LIMA WATER SYSTEM IMPROVEMENTS
CONTRACT 1: UPGROUND RESERVOIR
CITY OF LIMA, ALLEN COUNTY, OHIO

Project: 011-08123-003	Drawn By: RSH	
Drawing Date: 6-30-2009	Approved By: JMT	
Last Updated: 6-30-2009	Scale: 1" = 10'	1:1

BBCM
SOLUTIONS TO BUILD ON
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Cleveland (216) 901-1000
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ADDENDUM 4