

**LIMA WATER SYSTEM IMPROVEMENTS
CONTRACT 1: UPGROUND RESERVOIR
2009
ADDENDUM NO. 2**

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. 2 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. Replace the Schedule of Values from Addendum No. 1 with the attached schedule of values. Changes were made to Items 15 (30" Pipe), Item 16 (36" Pipe), Item 20 (2-3 Catch Basin), Item 21 (2-4 Catch Basin), Item 26N (3 Gallon Trees), and Item 26O (3 Gallon Shrubs).
2. Add to the Supplementary Conditions 6.02B: Night Work. The Contractor needs to submit a plan for night work to the Engineer for approval. The Contractor needs to schedule and coordinate night work to minimize disturbance to nearby residences. Work cannot be performed within 2,000 feet of a residence without approval of the Engineer.
3. Addendum 1. Project Manual/ Specifications. Item 3. The Plan of Easement Areas was not provided to Bidders.

PART 2 - PROJECT DRAWINGS

1. Revise Plan Sheet M-1, Material Specifications. Structural Fill to meet the requirements of Section 02300. Revise the percent of material passing the No. 200 sieve to be 50 percent.
2. Revise Plan Sheet C-14 . Replace the Typical Access Ramp Detail with the attached detail.
3. Revise Plan Sheet C-5 to add a second debris pile as shown on the attached sketch. Results of asbestos testing information on cement siding from this additional debris pile is attached.
4. Revise Plan Sheet C-4.3 as follows. The piping between CB-43 and CB-44 and between CB-44 and CB-45 is 30 inches in diameter. Revise CB-44 to be an ODOT CB 2-3.

PART 3 – QUESTIONS AND ANSWERS

Division 1

- Q1)** How soon will the contract be issued after the bid?
A1) Per the Notice of Award in the Project Manual, the Owner will return a fully executed counterpart of the Contract Documents within 60 days of receipt of Contractor-executed contract and Contract security.
- Q2)** What is the anticipated start date?
A2) Based on the current schedule, the anticipated start date will be between September 1 and October 1, 2009.

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- Q3)** Section 01305 Project Completion and Schedule Milestones, lists a completion date of May 31, 2011, but the Notice to Proceed lists a completion date of June 30, 2011. Should these dates match?
- A3)** All work is to be completed by May 31, 2011, and the final billing is to be submitted by June 30, 2011.
- Q4)** Can the completion date be moved to 2012 to provide two full construction seasons?
- A4)** No.
- Q5)** It appears this contract has a fixed completion date. Will the contract time be adjusted to account for weather delays?
- A5)** The contract time will be adjusted only if the weather is poor over a significant portion of the contract length.
- Q6)** Is funding currently in place for this project?
- A6)** No, but it will be within the scheduled times presented in the Project Manual.
- Q7)** Will the owner consider bi-monthly pay applications?
- A7)** Yes, the Contractor may submit up to two pay applications per month. If there is not substantial work completed in the first half of a month, the Owner would prefer there only be one pay application per month.
- Q8)** Will the owner consider a combination price on all three contracts (Contracts 1, A, and B)?
- A8)** No.
- Q9)** Is the entire Project Manual to be submitted as the bid?
- A9)** Yes. Books may have been written on or taken apart. It is acceptable to have markups, and it is acceptable for the book to be placed back into other binding (such as a 3-ring binder) if necessary. Additional Project manuals can be purchased if necessary. In addition, Addendums are to be attached to the project manual and submitted in their entirety.
- Q10)** Is there a fuel cost escalation allowance (such as the one used by ODOT) for the project?
- A10)** No. The Owner will not consider an adjustment in the Contract Price for fuel escalation.
- Q11)** Can we dig test pits on the project?
- A11)** Yes. The contractor needs to coordinate with BBCM. All test pits are to be located within the excavation limits, and may not extend deeper than the estimated reservoir bottom elevation at that location. Test pits will be backfilled on the same day they are excavated. The Contractor is responsible for utilities and site safety.
- Q12)** Plan Sheet M-1 of 37, Mitigation Index Map, Permits – States the contractor shall obtain all necessary permits and licenses needed for construction prior to construction unless otherwise noted. Is the owner or engineer aware of such permits? If so, what are the required permits and licenses?
- A12)** The Owner is aware of the following permits for the work: Ohio EPA Stormwater permit, Allen County sediment control permit, Allen County Right-of-Way construction permit, County road closure permit, and burning permits (if applicable). The City of Lima will pay for the Allen County sediment control permit application and inspection fees. The Contractor is responsible for obtaining all other permits that are listed and any other required federal, state and local permits

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required for the work. BBCM will provide information on the County Right of Way Construction Permit in a future addendum.

- Q13)** Will the Owner take care of the pump station building permits?
A13) The pump station is part of Contracts A and B, not Contract 1.
- Q14)** Does the schedule get submitted with the bid?
A14) No. In accordance with Section 01310, the schedule must be submitted within 10 days of receiving the Notice to Proceed.
- Q15)** Section 01305, Paragraph 1.02.A requires that Substantial Completion (including construction, seeding & mulching of all embankments) be completed by December 31, 2010. Does seeding & mulching have seasonal date restrictions?
A15) The Contractor is responsible for the establishing a healthy stand of vegetation in accordance with Section 02921. The Contractor should plant during optimal planting seasons, or re-seeding may be required at no additional cost to the Owner. In addition, if a healthy stand of grass is not established in time, temporary seeding in accordance with Storm Water Pollution Prevention may be required.
- Q16)** Section 01305, Paragraph 1.06.C states that activity durations are to be no more than 10 working days, unless approved by the Engineer. Is it acceptable to have longer durations for some items like excavation and placement of fill?
A16) Yes. For some items like fill placement and topsoil stripping and placement, it is acceptable to have longer durations if the work is going to be performed without interruption. This can be discussed further with the Engineer after the Notice to Proceed is issued.
- Q17)** Are there night shift work limitations?
A17) Contractor is responsible for lighting and other necessary equipment. See Revisions to Supplementary Conditions 6.02 this addendum.
- Q18)** It appears the Storm Water Pollution Prevention Plan and Erosion & Sedimentation Controls are solely the contractors' responsibility. Would the owner consider modeling the ODOT 832 specification, specifically defining a contingent sum and utilizing the established ODOT 832 Erosion & Sediment Control Unit Prices to pay for this work?
A18) No. The Owner will not include a contingent sum for stormwater controls in the Contract Price. The Contractor does not need a completed SWPPP for bidding.
- Q19)** Schedules of Values provides for Allowances - #1 Overexcavation, (defined at \$10,000) and #2 Pavement Repair, (defined at \$150,000). Since this is not defined, how can we define the labor and material dollars for these items? Does the Contractor get paid extra if excavation goes beyond the reservoir bottom shown on the plans?
A19) Overexcavation is intended for use when over-excavating sand pockets or lenses from the proposed bottom or excavated side slopes and replacing with Structural Fill as shown on the Plans. A unit rate per cubic yard for overexcavation and backfill with Structural Fill will be negotiated. The quantity of overexcavation and backfill will then determine the payment. The reservoir bottom limits are approximate and based on the quantities of excavation necessary to obtain sufficient fill. Excavation below the bottom of the reservoir to obtain additional fill will not result in additional payment to the Contractor. Payment for Pavement Repair will be based on the limits of repair.

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Testing Requirements

- Q20)** Section 1440 discusses Contractor provided testing. What testing is the Contractor expected to provide?
- A20)** The Owner will provide testing for fill, cast-in-place concrete, flowable fill, and asphalt. Testing for fill will consist of laboratory testing and field testing to determine compaction and moisture density and properties (plasticity and gradation). Testing for concrete and flowable fill will consist of a 7-day and three 28-day breaks. Asphalt testing will include determining a maximum density from a test strip and percent compaction of placed material. The Contractor is expected to provide any other additional testing specified in the Contract Documents, including pressure testing of piping. The Contractor may elect to have testing done in addition to what the Owner is provided (for example, having a 3-day break for concrete).
- Q21)** Who is providing the soil testing?
- A21)** Soil testing will be provided by the Owner. BBCM will be performing field tests. Soils testing will be done by comparison to a family of compaction curves and not based on a single combined sample or average curve. BBCM estimates that approximately 20 moisture density curves (per ASTM D698) will be developed over the duration of the project.

Access Plan

- Q22)** Where can the Contractor Staging & Office area be located?
- A22)** There is an area north of the reservoir (at the northwest corner) that is owned by the City and can be used as a laydown area. Contractor is to determine the laydown area and location of trailers and include on the submitted Access Plan. The Contractor may also propose to use some of the City property on the east side of Grubb Road along the toe of the existing reservoir. The City is willing to close the parking lot on the northwest corner of the existing Bresler Reservoir (located on the east side of Grubb Road) and make this area available to the Contractor.
- Q23)** Have the stockpile locations been identified? If so, where?
- A23)** No, the Contractor to propose stock-pile locations for approval by the Engineer as part of the Access Plan. There is an area north of the reservoir (at the northwest corner, off of Sunderland Road) that is owned by the City and can be used for stockpiling. In addition, the Contractor can stage the work to use different stockpile locations. The Contractor is reminded that Sunderland Road is 16.5 feet wide (township road) and Grubb and Agerter Roads are 20 feet wide (county roads).
- Q24)** Where is the excess Topsoil stockpile location?
- A24)** Topsoil not placed on the embankment, down-gradient of the embankments, wetland mitigation areas, or stream mitigation areas will be spread on the bottom of the reservoir.
- Q25)** Section 02100 Traffic Control requires an "Access Plan". What are the existing road load limitations? In addition are there any road limitations or field conditions which may limit site access?
- A25)** Contractors are responsible to determine legal road limits based on their proposed haul routes. Video requirement for all haul routes is in specifications. The County Engineer will approve the proposed haul routes. The County Engineer will allow Grubb Road to be used; other County and Township Roads require approval of the County Engineer. The Contractor is responsible for coordination with ODOT to use Interstate Highways and State Routes as haul routes.

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Miscellaneous

- Q26)** Are there existing utilities? Are there utilities that will be relocated?
A26) There are existing utilities along the roadways and to the former home sites. There is no utility relocation as part of this Contract.
- Q27)** Is water available from the existing Bresler Lake Reservoir for construction purposes such as dust control?
A27) Yes, but the Contractor is responsible for coordination of equipment crossing Grubb Road.

Topsoil Quantity, Stripping, Grubbing

- Q28)** Schedule of Values – Item # 6 Topsoil Stripping lists a quantity of 238,000 cubic yards. This indicates a depth of approximately 4 inches across the site. The geotechnical data indicates topsoil depths in excess of 4 inches. Will additional Topsoil Stripping over the 4 inches be required, if so how will it be paid ?
A28) Loss on ignition testing indicated the topsoil in the agricultural fields was generally less than 5 %. The Contractor shall strip 3 inches of topsoil from all agricultural fields and former farmsteads, and 18 inches from former wooded lots and areas. Any additional stripping will be handled by Change Order. BBCM will not count trucks or similar methods to estimate the volume of topsoil moved. The Contractor is responsible for determining the volume of topsoil stripped by survey or other methods approved by the Engineer.
- Q29)** Reservoir Cross Sections, Plan Sheets C12 of 37 calls out 6" of Topsoil to be placed on the bottom of the Reservoir. Since this area will be covered by +/- 42 feet of water, are you sure about covering the bottom with 6 inches of topsoil?
A29) Topsoil will be placed on the outboard slopes and the disturbed areas downgradient from the outboard slopes, in the wetland mitigation and stream mitigation areas. Remaining topsoil shall be spread over the bottom of the reservoir to a depth of six inches (the entire reservoir bottom will not be covered by topsoil).
- Q30)** Section 02300 Structural Fill indicates that soft areas of subgrade are not suitable for placement of fill. How will unsuitable subgrade be determined?
A30) The Engineer will determine the suitability of subgrade in accordance with Specification Section 02300. Only soft subgrade under the embankment will need to be addressed.
- Q31)** Can stumps be placed at the bottom of the reservoir?
A31) No. Prepare bid according to the Contract Documents. After award, the Engineer would consider leaving stumps if they are anchored to the bottom.

Structural Fill

- Q32)** Specifications state that additional material may be obtained off-site. Does this mean that there is not enough on-site material? Do on-site soils meet the requirements for Structural Fill?
A32) The intent is to use material on-site which meets the requirements for Structural Fill. Based on the surface explorations, some zones of granular material may be encountered and these would not be suitable for Structural Fill. If necessary, the excavations can go deeper to obtain suitable fill or, if approved by Engineer, excavate in adjacent area owned by the City.

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- Q33)** Does the Owner have an area to dispose of unsuitable excavation material on-site?
A33) The Contractor may waste unsuitable material on-site in locations approved by the Engineer. Possible locations include adjacent City-owned property or spreading at the bottom of the reservoir after excavation is completed.
- Q34)** What shrinkage percentage was used?
A34) No shrinkage factor was used. Excavation and fill quantities were considered to be equal.

Excavation Limits

- Q35)** Planned reservoir bottom as shown on Plan Sheets C6 thru C11, (Site Grading Plan indicate elevation 815), do not match with cross sections shown on plan sheet C12, (ranging from 810 to 816). What is correct? The Autocadd files for the Site Grading shows additional final contours that are not reflected on the printed plans – which is correct?
A35) The project is a balanced cut and fill project, and the excavation volume is determined by the amount of fill required to build the embankments. As shown on the Plans, the reservoir bottom elevation needs to be below elevation 818 and generally slope to the three corners shown on the Plans.

Questions Submitted At the Meeting – Responses Provided Below

- Q36)** What are limits of the inboard slope protection as shown on plan sheet C14? Does it cover the entire perimeter of the inboard slope of the proposed embankment?
A36) Yes
- Q37)** Section 02230 – Site Preparation – are the remaining trees on-site which need to be cleared subject to the Indiana Bat clearing limitations?
A37) Yes, they can only be removed between September 16 and April 14.
- Q38)** Plan Sheet M-1 of 37, Mitigation Index Map, General Information, Material Specifications, Topsoil – does the existing on-site topsoil meet this specification?
A38) Yes.
- Q39)** If off-site soil is required, how will this be paid?
A39) No off-site soil (except that excavated from the Stream mitigations) is anticipated. If soil has to be excavated from the City-owned site adjacent to the reservoir, no additional payment will be made.
- Q40)** Schedules of Values – Item # 26 Wetland Mitigation and Item #27 Stream Mitigation are these subtotal items?
A40) Can leave Line 26 and 27 blank, these are just headings for items 26 A through 26 S and for 27A through 27 Q.

Additional Questions

- Q41)** There is no requirement for a DBE in the Contract Documents. Is this correct?
A41) Yes.
- Q42)** Plan Sheet C4.2 shows 6 inches of coarse aggregate over the top of the proposed storm water piping. ODOT generally requires 12 inches. Is 6 inches correct?
A42) Yes. Six inches is correct.

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- Q43)** On Plan Sheet C4.2, the Animal Guard detail does not call-out or give dimensions for the riprap cut-off wall as required for an ODOT Type HW 2.1 headwall. Is the riprap cut-off wall required?
- A43)** Yes. The riprap cutoff wall is required in accordance with ODOT standard drawings.
- Q44)** Item 25 of the Schedule of Values notes Headwall Rock Channel Protection, 33 cubic yards in volume. What size stone is to be used?
- A44)** Type C Rock Channel Protection as specified in ODOT 703.19.
- Q45)** Is Construction Fencing required around the project limits (see Specifications 01500, Section 1.07)?
- A45)** Construction fencing has previously been erected around the exterior wetlands. The Contractor is responsible for maintaining this fencing and any additional fencing installed by the Contractor for any purpose.
- Q46)** How are pavement repairs for the storm pipe crossings paid, are they incidental to the pipe crossing? What is the typical pavement section?
- A46)** Pavement repairs are considered incidental. The pavement repair section to consist of:
1. 1.25 inches of ODOT Item 404
 2. Tack Coat
 3. 3.5 inches of ODOT Item 301
 4. Prime Coat
 5. Item 304 backfill for crossing as shown on Plan Sheet C4.2

PART 4 - ATTACHMENTS

Schedule of Values dated 6/19/09
Detail – Typical Access Ramp Detail
Site Plan dated 05/21/06
Results of Laboratory testing on samples of cement siding

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: June 19, 2009

The City of Lima
BBC&M Engineering, Inc.

+ + END OF ADDENDUM NO. 2 + +

**SCHEDULE OF VALUES
LIMA WATER SYSTEM IMPROVEMENTS
CONTRACT 1 - UPGROUND RESERVOIR**

5/22/2009

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	
5	Grubbing	02230	\$	\$	57 Ac	
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.	
9	6" P.E. Pipe (to existing catch basins)	02550	\$	\$	238 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	\$	\$	1,200 LF	
15	30" Pipe	02550	\$	\$	1,959 LF	
16	36" Pipe	02550	\$	\$	4,746 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 CY	
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	
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	\$ _____	\$ _____	99,150 Tons	_____
32 Coarse Aggregate	02305	\$ _____	\$ _____	7,300 Tons	_____
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	\$ _____	\$ _____	15,200 Tons	_____
37 Dumped Rock	02510	\$ _____	\$ _____	65,360 Tons	_____
38 Wearing Stone	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	\$ _____	\$ _____	187 CY	_____
42 Asphalt Concrete - Intermediate Course	02710	\$ _____	\$ _____	138 CY	_____
43 Asphalt Concrete - Base Course	02711	\$ _____	\$ _____	588 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	_____
55 Intake Screen	11200	\$ _____	\$ _____	4 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	\$ _____

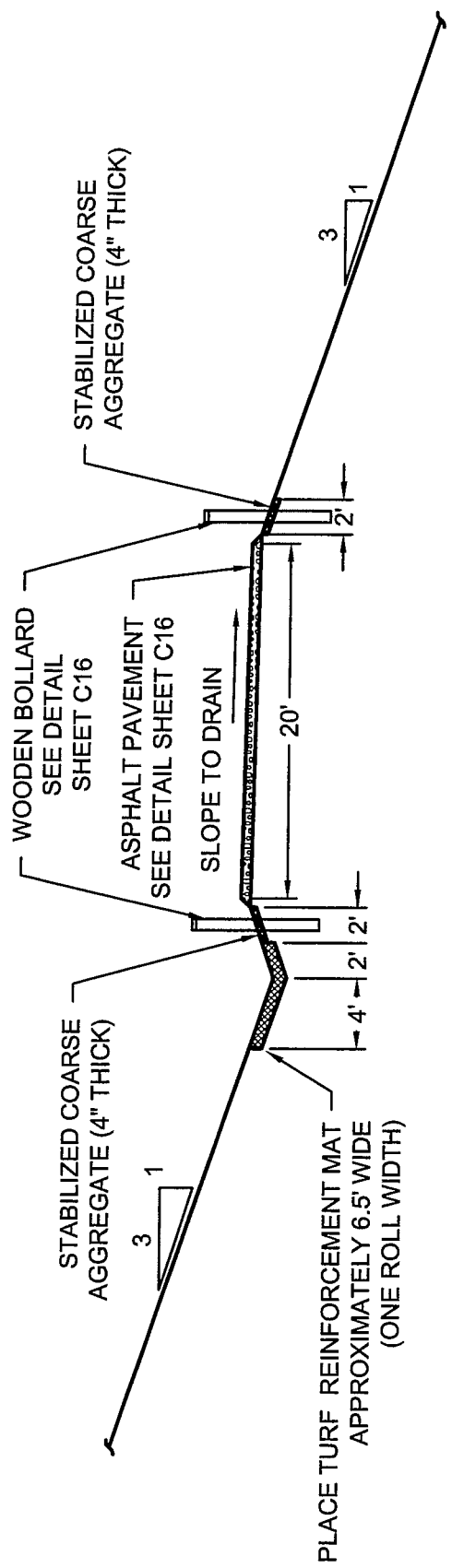
ALLOWANCES

1 Overexcavation	\$ _____	\$ _____	CY	\$ <u>10,000.00</u>
2 Pavement Repair	\$ _____	\$ _____	Lump Sum	\$ <u>150,000.00</u>

TOTAL ALLOWANCES \$ 160,000.00

TOTAL WITH ALLOWANCES \$ _____

Images:
 Xrefs:
 File Last Updated: Jun 18, 2009
 Plot Info: 6-18-2009 10:10am By: RHoops
 BBC&M Filename: I:\DEPT\SCADD\Drawings\Projects\011-08123-003 - C14 Site Grading Details.dwg Layout: 8.5x11L



PLACE TURF REINFORCEMENT MAT
 APPROXIMATELY 6.5' WIDE
 (ONE ROLL WIDTH)

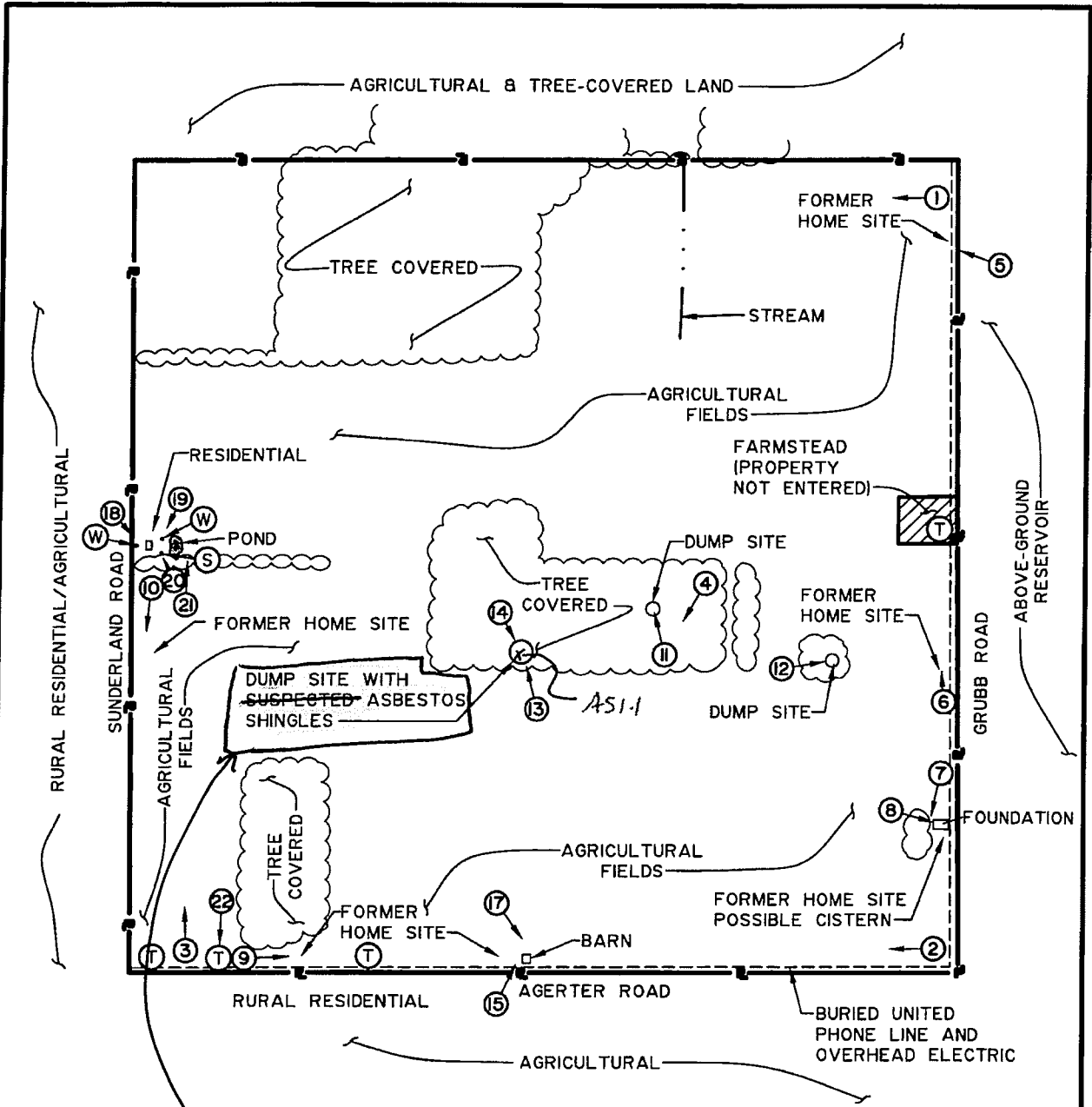
TYPICAL ACCESS RAMP DETAIL

LIMA WATER SYSTEM IMPROVEMENTS CONTRACT 1: UPGROUND RESERVOIR CITY OF LIMA, ALLEN COUNTY, OHIO	
Project: 011-08123-003	Drawn By: RSH
Drawing Date: 6-18-2009	Approved By: JMT
Last Updated: 6-18-2009	Scale: NONE
	1:1

BBC&M
 SOLUTIONS TO BUILD ON

Columbus (614) 793-2228
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BBCM Filename: I:\DEPT'S\CADD\Drawings\Projects\015-00046-005\015-00046-005A020.dwg Tab:SITE PLAN Plot Date:Aug 07, 2006 10:52am By:BRW



ADD TO SHEET C5

LEGEND

- PROPERTY LINE
- TREE LINE
- PHOTO LOCATION AND ORIENTATION
- POLE-MOUNTED TRANSFORMER
- WATER WELL
- SEPTIC SYSTEM

SITE PLAN	
PROPOSED RESERVOIR ALLEN CO, OHIO	
Project: 015-00046-005	Drawn By: TJM
Drawing Date: 05/21/06	Approved By: EPS
Revision Date:	Scale: 1" = 1000'

BBCM
 Columbus (614) 793-2226
 Cleveland (216) 901-1000
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Stantec Consulting Services Inc.
1233 Dublin Road
Columbus OH 43215
Tel: (614) 486-4383
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Stantec

3/31/2009

BBC&M ENGINEERING INC.
6190 Enterprise Court
Dublin, OH 43016
Attn: Eric Slosser.

Job No. 2001295
Job Ref. 011.08123.005
PO No. 0903491

Dear Mr. Slosser

Attached please find the results of the analyses conducted on the following bulk sample(s):

Customer Sample Number
ASI.1 Cement Siding

STASample Number
27028548

This job was received on: 3/30/2009

Bulk asbestos fiber analysis - in accordance with EPA/600/R-93/116. Bulk asbestos fiber analysis - in accordance with EPA 600/M4-82-020 official test method as outlined in 40CFR 763.109 Appendix A.

Stantec Consulting Services, Inc. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for conducting asbestos fiber analysis by polarized light microscopy (NVLAP Lab Code 101170-0). Each result listed in the report applies only to the sample analyzed. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government nor may it be reproduced except in full without written approval of Stantec Consulting Services, Inc.

If you have any questions about the results, please contact me.

Very truly yours,

Philip D. Slaiman, Asbestos Specialist, PLM Analysis
Stantec Consulting Services, Inc.

