

**ADDENDUM NO. 1  
TO  
BID DOCUMENTS  
FOR  
BASEBALL AND SOFTBALL FIELD IMPROVEMENTS  
FOR THE  
CITY OF ANN ARBOR, MICHIGAN**

The following changes, additions, and/or deletions shall be made to the Bid Documents and Plans for the Baseball and Softball Field Improvements, for the City of Ann Arbor, Michigan, Bid No. ITB-4194.

The information contained herein shall take precedence over the original documents and all previous addenda, and is appended thereto. **This Addendum includes 12 page(s).**

**The Contractor is to acknowledge receipt of this Addendum No. 1 on page P-1 of the Bid Documents prior to submitting its Proposal. Proposals submitted without acknowledgement of receipt of this addendum will be considered informal.**

Changes in the Bid Documents which are outlined below are referenced to a page or drawing in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they affect work or details in other areas not specifically referenced here.

**BID FORM**

Section 1 – Schedule of Prices is attached and has been revised to include a line item for locating the existing electrical lines at all parks and to include alternate bid items related to field underdrain improvements and the West Park Swale/Drain installation.

Underdrain installation has been included in the Bid Form as an Alternate Bid Item and a detail is provided as an attachment to this Addendum (Figure 1). Total quantities are based on the following assumptions at all eight (8) fields at Veterans Memorial Park, West Park and Southeast Area Park:

- Underdrain will run along both baselines from behind home plate to the edge of the infield radius
- Underdrain will extend around the infield radius.
- Two cleanouts will be installed per field and shall be incidental to the underdrain installation. They will be field located during construction.
- A 6” main line drain pipe will connect the underdrain to the nearest storm structure.
- Connections to existing storm structures shall be made by coring a hole in the structure large enough to allow 3 inches of mortar around the pipe. Cut end of connection pipe to be flush with inside wall.

## DRAWINGS

Drawing No. G-05 - Add Infield Underdrain detail per attached Figure 1.

Drawing No. G-05 - Add West Park Swale/Drainage detail per attached Figure 1.

Drawing No. C-08 - Revise West Park Field Construction Plan to include alternate drainage swale construction per attached Figure 2.

## DETAILED SPECIFICATIONS

Add Section 02620 - Subsurface Drainage (attached)

Section 02930 Finish Grading, Sodding and Seeding

Revise Paragraph 3.08.C.3 as follows:

3. CONTRACTOR shall mow lawn areas as soon as lawn top growth reaches 3” height. Cut back to 2-1/2 inch height. Repeat mowing as required to maintain specified height. ~~After first mowing, grass shall be mowed every 3 days at same height.~~—Mowing should be done using reel type mowers only; no rotary mowers may be used. ~~After third mowing the OWNER shall be responsible for mowing, even though grass may not have reached standards for acceptance.~~ **CONTRACTOR shall be responsible for mowing until OWNER acceptance of the lawn.**

## QUESTIONS FROM BIDDERS

Q: Will the City locate the existing lighting electrical lines at the various parks to assist in the installation of the new irrigation/drainage systems?

A: No, it will be the Contractor’s responsibility to hire a subcontractor to locate the electrical lines prior to any earthwork. A pay item has been added to the bid form for this work.

Q: How many times will the Contractor be required to mow the fields?

A: The Contractor shall be responsible for all mowing until the Owner determines that the field is ready for play and accepts the field.

# BID FORM

## Section 1 – Schedule of Prices

Project: Baseball and Softball Field Improvements

Bid No.: ITB-4194

**NOTES:**

1. All bidders shall provide a Unit Price and Total Price for all bid items identified.
2. Quantities included in bid table represent estimated quantities for different work. Contractor shall be compensated for the actual number of repairs completed using the unit prices provided.
3. The City, at their sole discretion, may elect to delete any portion of the work delineated below, with no change to the unit prices provided.
4. Any item not provided in the following list shall be considered incidental.
5. Each item listed below shall be preceded by the description "Furnish all labor, materials, equipment, all related items necessary to field measure, prepare, deliver, install, maintain and restore." Any item not provided in the following list shall be considered incidental.
- 6. Award of contract shall be based on the total bid including the base bid plus alternate bid items.**

Item #	Item	Quantity	Unit	Unit Price	Total Price
<b>General</b>					
1	Insurance/Bonds	1	LS		
<b>2</b>	<b><u>Locating Existing Underground Electrical Lines</u></b>	<b>1</b>	<b>LS</b>		
<b>Veterans Memorial Park General</b>					
1	Irrigation Improvements	1	LS		
2	Inlet Filter	9	EA		
3	Silt Fencing	505	LF		
<b>Veterans Memorial Park Field 1</b>					
1	Mobilization (5% max)	1	LS		
2	Remove Existing 6' H Fence	450	LF		
3	Remove Existing 8' H Fence	540	LF		
4	Remove Existing 10' H Fence	160	LF		
5	Remove Existing Backstop	1	EA		
6	Remove Existing Bench	2	EA		
7	Remove Warning Track Material	675	SYD		
8	Remove Infield Skin	1970	SYD		
9	6' H Fencing	810	LF		
10	6' H Removable Fencing	190	LF		
11	10' H Fencing	160	LF		
12	Backstop w/ planking	1	EA		
13	Dugout Bench	2	EA		
14	Foul Pole	2	EA		
15	Concrete Grade Beam	80	LF		
16	Concrete Pad	225	SYD		
17	Grading (incl. lip removal, restoration outside field of play, etc.)	1	LS		
18	Warning Track Material	705	SYD		
19	Infield Skin	2300	SYD		
20	Sod	7270	SYD		
21	Allowance: Maintenance and Guarantee Period	1	LS	\$5,000	\$5,000
22	Allowance: Contingency (Miscellaneous Field Improvements)	1	LS	\$3,000	\$3,000
Veterans Memorial Park Field 1 Subtotal					

Item #	Item	Quantity	Unit	Unit Price	Total Price
<b>Veterans Memorial Park Field 2</b>					
1	Mobilization (5% max)	1	LS		
2	Remove Existing 10' H Fence	280	LF		
3	Remove Existing Backstop	1	EA		
4	Remove Existing Bench	2	EA		
5	Remove Warning Track Material	405	SYD		
6	Remove Infield Skin	1400	SYD		
7	Remove and Replace 6' H Fence Fabric (Ex. Poles to Remain)	630	LF		
8	6' H Fencing	70	LF		
9	10' H Fencing	280	LF		
10	Backstop w/ planking	1	EA		
11	Dugout Bench	2	EA		
12	Foul Pole	2	EA		
13	Concrete Grade Beam	80	LF		
14	Concrete Pad	225	SYD		
15	Grading (incl. lip removal, restoration outside field of play, etc.)	1	LS		
16	Warning Track Material	560	SYD		
17	Infield Skin	1450	SYD		
18	Turf Restoration	4650	SYD		
19	Allowance: Maintenance and Guarantee Period	1	LS	\$5,000	\$5,000
20	Allowance: Contingency (Miscellaneous Field Improvements)	1	LS	\$3,000	\$3,000
Veterans Memorial Park Field 2 Subtotal					
<b>Veterans Memorial Park Field 3 Subtotal</b>					
1	Mobilization (5% max)	1	LS		
2	Remove Existing 10' H Fence	160	LF		
3	Remove Existing Backstop	1	EA		
4	Remove Existing Bench	2	EA		
5	Remove Warning Track Material	1071	SYD		
6	Remove Infield Skin	1450	SYD		
7	Remove and Replace 6' H Fence Fabric (Ex. Poles to Remain)	730	LF		
8	6' H Fencing	70	LF		
9	10' H Fencing	160	LF		
10	Backstop w/ planking	1	EA		
11	Dugout Bench	2	EA		
12	Foul Pole	2	EA		
13	Concrete Grade Beam	80	LF		
14	Concrete Pad	155	SYD		
15	Grading (incl. lip removal, restoration outside field of play, etc.)	1	LS		
16	Warning Track Material	570	SYD		
17	Infield Skin	1500	SYD		
18	Turf Restoration	4900	SYD		
19	Allowance: Maintenance and Guarantee Period	1	LS	\$5,000	\$5,000
20	Allowance: Contingency (Misc. Improvements)	1	LS	\$3,000	\$3,000
Veterans Memorial Park Field 3 Subtotal					

Item #	Item	Quantity	Unit	Unit Price	Total Price
<b>Veterans Memorial Park Field 4 Subtotal</b>					
1	Mobilization (5% max)	1	LS		
2	Remove Existing 6' H Fence	560	LF		
3	Remove Existing 10' H Fence	200	LF		
4	Remove Existing Backstop	1	EA		
5	Remove Existing Bench	2	EA		
6	Remove Warning Track Material	1060	SYD		
7	Remove Infield Skin	2090	SYD		
8	Remove and Replace 6' H Fence Fabric (Ex. Poles to Remain)	130	LF		
9	6' H Fencing	630	LF		
10	10' H Fencing	200	LF		
11	Backstop w/ planking	1	EA		
12	Dugout Bench	2	EA		
13	Foul Pole	2	EA		
14	Concrete Grade Beam	80	LF		
15	Concrete Pad	225	SYD		
16	Grading (incl. lip removal, restoration outside field of play, etc.)	1	LS		
17	Warning Track Material	800	SYD		
18	Infield Skin	2050	SYD		
19	Turf Restoration	6050	SYD		
20	Allowance: Maintenance and Guarantee Period	1	LS	\$5,000	\$5,000
21	Allowance: Contingency (Misc. Improvements)	1	LS	\$3,000	\$3,000
Veterans Memorial Park Field 4 Subtotal					
<b>Veterans Memorial Park Field 5 Subtotal</b>					
1	Mobilization (5% max)	1	LS		
2	Remove Existing 10' H Fence	185	LF		
3	Remove Existing Backstop	1	EA		
4	Remove Existing Bench	2	EA		
5	Remove Warning Track Material	1080	SYD		
6	Remove Infield Skin	1650	SYD		
7	Remove and Replace 6' H Fence Fabric (Ex. Poles to Remain)	930	LF		
8	6' H Fencing	70	LF		
9	10' H Fencing	185	LF		
10	Backstop w/ planking	1	EA		
11	Dugout Bench	2	EA		
12	Foul Pole	2	EA		
13	Concrete Grade Beam	80	LF		
14	Concrete Pad	230	SYD		
15	Grading (incl. lip removal, restoration outside field of play, etc.)	1	LS		
16	Warning Track Material	930	SYD		
17	Infield Skin	1440	SYD		
18	Turf Restoration	8320	SYD		
19	Sod	730	SYD		
20	Allowance: Maintenance and Guarantee Period	1	LS	\$5,000	\$5,000
21	Allowance: Contingency (Misc. Improvements)	1	LS	\$3,000	\$3,000
Veterans Memorial Park Field 5 Subtotal					

Item #	Item	Quantity	Unit	Unit Price	Total Price
<b>Allmendinger Park - Fields 1 and 2</b>					
1	Mobilization (5% max)	1	LS		
2	Silt Fencing	390	LF		
3	Remove Existing Backstop	1	LF		
4	Remove Existing Bench	4	LF		
5	Remove Infield Skin	2800	SYD		
6	Backstop w/ planking	2	EA		
7	Dugout Bench	4	EA		
8	Grading (incl. lip removal, restoration outside field of play, etc.)	1	LS		
9	Infield Skin	2800	SYD		
10	Turf Restoration	8100	SYD		
11	Allowance: Maintenance and Guarantee Period	1	LS	\$10,000	\$10,000
12	Allowance: Contingency (Misc. Improvements)	1	LS	\$6,000	\$6,000
Allmendinger Park Subtotal					
<b>West Park</b>					
1	Mobilization (5% max)	1	LS		
2	Irrigation Improvements	1	LS		
3	Inlet Filter	2	EA		
4	Remove Existing 6' H Fence	45	LF		
5	Remove Existing Bench	1	EA		
6	Remove Warning Track Material	1250	SYD		
7	Remove Infield Skin	2140	SYD		
8	Remove and Replace 6' H Fence Fabric (Ex. Poles to Remain)	90	LF		
9	Remove and Replace 10' H Fence Fabric (Ex. Poles to Remain)	235	LF		
10	6' H Fencing	250	LF		
11	Planking on Existing Backstop	1	EA		
12	Foul Pole	2	EA		
13	Grading (incl. lip removal, restoration outside field of play, etc.)	1	LS		
14	Warning Track Material	860	SYD		
15	Infield Skin	1460	SYD		
16	Turf Restoration	7560	SYD		
17	Sod	730	SYD		
18	Allowance: Maintenance and Guarantee Period	1	LS	\$5,000	\$5,000
19	Allowance: Contingency (Misc. Improvements)	1	LS	\$3,000	\$3,000
West Park Subtotal					

Item #	Item	Quantity	Unit	Unit Price	Total Price
<b>Southeast Area Park - Fields 1 and 2</b>					
1	Mobilization (5% max)	1	LS		
2	Inlet Filter	11	EA		
3	Remove Existing 6' H Fence	410	LF		
4	Remove Existing Bench	2	EA		
5	Remove Warning Track Material	1170	SYD		
6	Remove Infield Skin	4120	SYD		
7	Remove and Replace 6' H Fence Fabric (Ex. Poles to Remain)	830	LF		
8	Remove and Replace 10' H Fence Fabric (Ex. Poles to Remain)	440	LF		
9	6' H Fencing	150	LF		
10	Fence Post Replacement( Four 6' Posts, One 20' Post)	1	LS		
11	Planking on Existing Backstop	2	EA		
12	Dugout Bench	4	EA		
13	Foul Pole	2	EA		
14	Concrete Pad	330	SYD		
15	Grading (incl. lip removal, restoration outside field of play, etc.)	1	LS		
16	Warning Track Material	1140	SYD		
17	Infield Skin	4050	SYD		
18	Turf Restoration	13920	SYD		
19	Allowance: Maintenance and Guarantee Period	1	LS	\$10,000	\$10,000
20	Allowance: Contingency (Misc. Improvements)	1	LS	\$6,000	\$6,000
Southeast Area Park Subtotal					
<b>TOTAL BASE BID</b>					

<b>Alternate Bid - Underdrain Installation (8 Fields)</b>					
<u>1</u>	<u>4" Underdrain</u>	<u>3400</u>	<u>LF</u>		
<u>2</u>	<u>6" Main Line Drain Pipe</u>	<u>1050</u>	<u>LF</u>		
<u>3</u>	<u>Connection to Existing Storm Structure</u>	<u>8</u>	<u>EA</u>		
TOTAL ALTERNATE BID - UNDERDRAIN INSTALLATION (8 FIELDS)					

<b>Alternate Bid - West Park Swale / Drain</b>					
<u>1</u>	<u>Swale with 6" Underdrain</u>	<u>300</u>	<u>LF</u>		
<u>2</u>	<u>Construct Concrete Inlet-Junction Over Existing Sewer</u>	<u>1</u>	<u>LS</u>		
TOTAL ALTERNATE BID - WEST PARK SWALE / DRAIN					

<b>TOTAL BID (BASE + ALTERNATES)</b>					
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## **SECTION 02620**

### **SUBSURFACE DRAINAGE**

#### **1.00 GENERAL**

#### **1.01 SUMMARY**

- A. Provide labor, materials, and equipment necessary for complete installation of the following items as shown on the Drawings and specified herein: Work under this Section includes the following:
  - 1. Drainage Pipes;
  - 2. Storm Sewer Structures

#### **1.02 DEFINITIONS**

- A. HDPE: High-density polyethylene.

#### **1.03 DELIVERY, STORAGE, AND HANDLING**

- A. Do not store plastic structures, pipes, and fittings in direct sunlight.
- B. Protect pipe, pipe fittings, and seals from dirt and damage.
- C. Handle precast concrete manholes and other structures according to manufacturer's written rigging instructions.

#### **1.04 SUBMITTALS**

- A. CONTRACTOR shall submit to the OWNER, upon completion of the work, a map of exact locations and sizes of any new, replaced, or observed drain lines, inlets, and outlets.

#### **2.00 PRODUCTS**

#### **2.01 MANUFACTURERS**

- A. All manufacturers are subject to compliance with requirements, specifications, and construction details, and must demonstrate compliance through appropriate tests and documentation.

#### **2.02 DRAINAGE PIPES AND FITTINGS**

- A. Drainage Pipe shall be single wall corrugated HDPE pipe with uniform slot perforations. Drainage pipe up to 10" shall meet the requirements of AASHTO M252, Type C.
- B. Pipe beyond the baseball/softball field areas shall be non-perforated, unless the pipe is in a drainage swale.
- C. Upper ends of all drain pipes must have internal end caps or a cleanout.
- D. Two cleanouts shall be installed per field at a depth of 4" below finish grade. Cleanout locations shall be determined by the ENGINEER and shall be incidental to pipe installation.

## **Subsurface Drainage**

### **2.03 BEDDING AND BACKFILL**

- A. Bedding and backfill for all trenches containing perforated drain pipe shall meet the requirements of MDOT 34R open graded aggregate. The aggregate and pipe must be wrapped in a geotextile blanket meeting the requirements of Section 910 of the MDOT 2003 Standard Specifications for Construction.
- B. Bedding for trenches containing non-perforated drainage pipe shall be MDOT Class II sand 4" below the pipe up to 12" above the pipe compacted to 95% maximum unit weight. Remaining backfill shall be excavated material, with the exception that materials such as soft clay, topsoil, muck, cinders, vegetable matter, refuse, boulders and other objectionable and non-packing earth shall be excluded from the backfill and removed from the site. Backfill shall be compacted to 90% maximum unit weight.

### **2.04 DRAINAGE STRUCTURES**

- A. Concrete drainage structures shall meet the requirements of the City of Ann Arbor Public Services Department Standard Specifications. Structures shall be precast concrete with precast cookie.

## **3.00 EXECUTION**

### **3.01 EXAMINATION**

- A. Locate and mark existing utilities, underground structures, and above ground obstructions before beginning installation and avoid disruption and damage of services.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. Each pipe shall be carefully examined before being laid. Any defective or damaged pipe shall not be used.

### **3.02 INSTALLATION**

- A. Install per manufacturer's instructions.
- B. All inlets shall be installed as per detail drawings.
- C. Trenching: Trenches shall be cut into the subgrade so that the pipe will slope uniformly. The CONTRACTOR is responsible for maintaining newly constructed trenches and shall take immediate action to minimize erosion of trench bottom and sides for the life of the Contract. Trenching shall not proceed more than 500 feet ahead of completed pipe work.
- D. Excavate trenches to indicated gradients, lines, depths, and elevations.
- E. All excavated materials not required or not suitable for backfill shall be removed.
- F. Trenches shall be excavated to the width and depth as necessary to lay pipe to the grade line as indicated on the plans. Minimum cover over pipe shall be six (6) inches. Any settling occurring within three (3) months of installation shall be repaired and/or replaced at the expense of the CONTRACTOR.
- G. Trench Bottoms: The bedding surface for the pipe shall provide a firm foundation of uniform density throughout the entire length of the pipe.

## **Subsurface Drainage**

- H. Trench Backfill: Place and compact bedding course on trench bottoms and where indicated. Shape bedding course to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits. Place and compact initial backfill of base material, free of particles larger than 1 inch. Carefully compact material under pipe haunches and bring backfill evenly up on both sides and along the full length of piping or conduit. Fill voids with approved backfill materials. Place and compact final backfill of satisfactory soil material to final subgrade. Topsoil above underdrain shall be porous.
- I. Movement of construction machinery over a culvert, storm drain, drain line, irrigation line, or any utility line at any stage of construction shall be at the CONTRACTOR's risk. Any pipe or utility damaged thereby shall be repaired or replaced at the CONTRACTOR's expense.
- J. The CONTRACTOR is responsible for removal and cleanout of any sediment and debris from depressions, manholes, and inlets, that is caused by run-off.
- K. Disposal: Remove surplus trench spoils, trash, and debris, and legally dispose of it off OWNER's property.

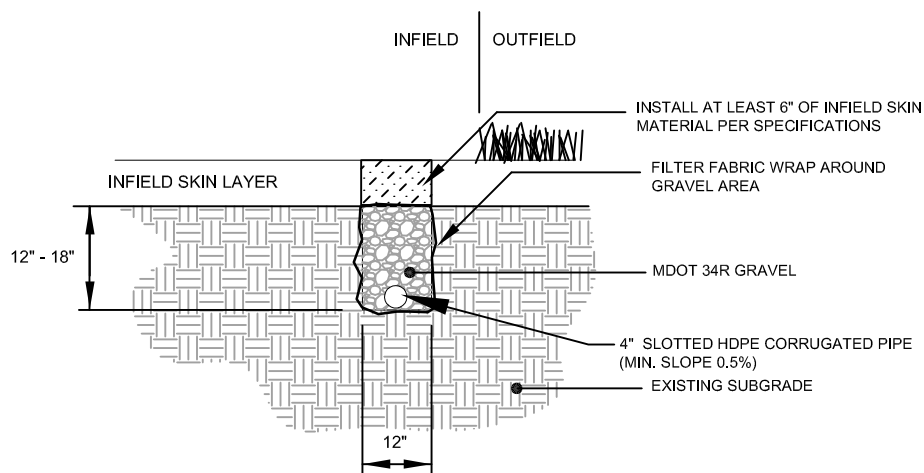
### **3.03 JOINTS**

- A. All drainage pipe to be connected by pipe manufacturer's snap couplings and/or snap tees, or 45 degree Y, whichever fitting is called for.

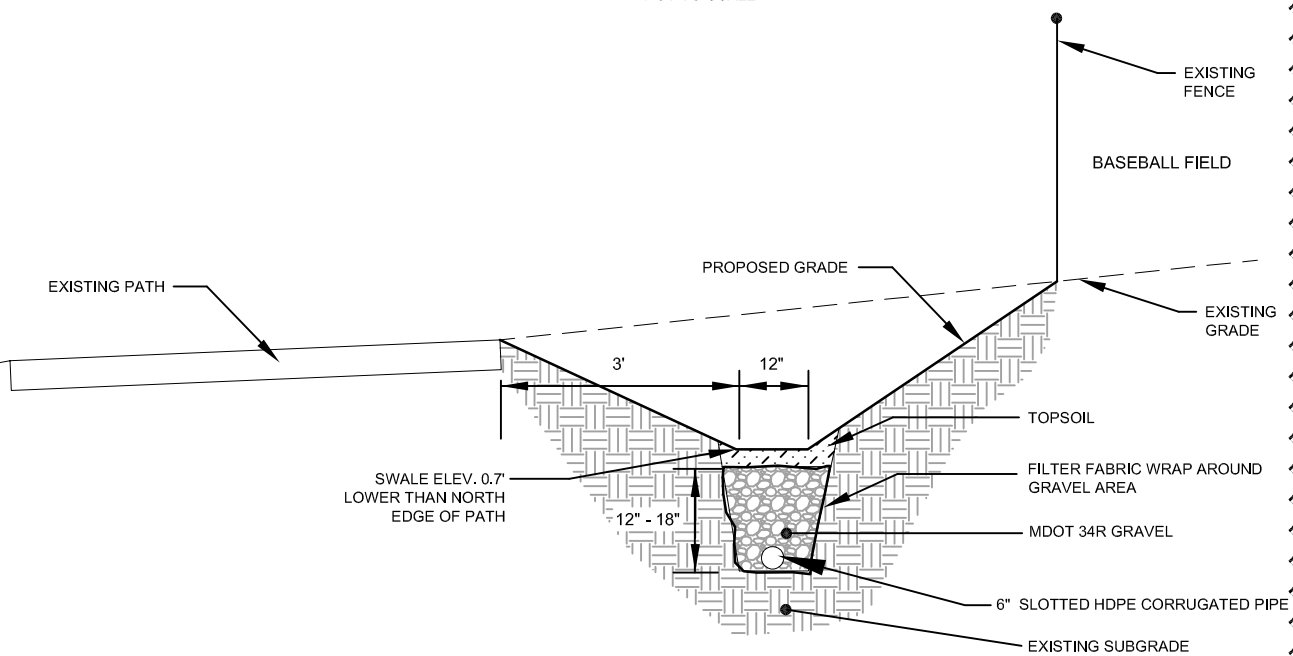
### **3.04 FIELD QUALITY CONTROL**

- A. Clear interior of piping and structures of dirt and superfluous material as work progresses.
- B. Test new piping systems and parts of existing systems that have been altered, extended, or repaired, for leaks and defect.
  - 1. Repair leaks or defects as directed by the OWNER.

END OF SECTION



**INFIELD UNDERDRAIN DETAIL**  
NOT TO SCALE



**WEST PARK SWALE/DRAIN DETAIL**  
NOT TO SCALE



DECEMBER, 2011  
2075090900



**Stantec**

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Client/Project

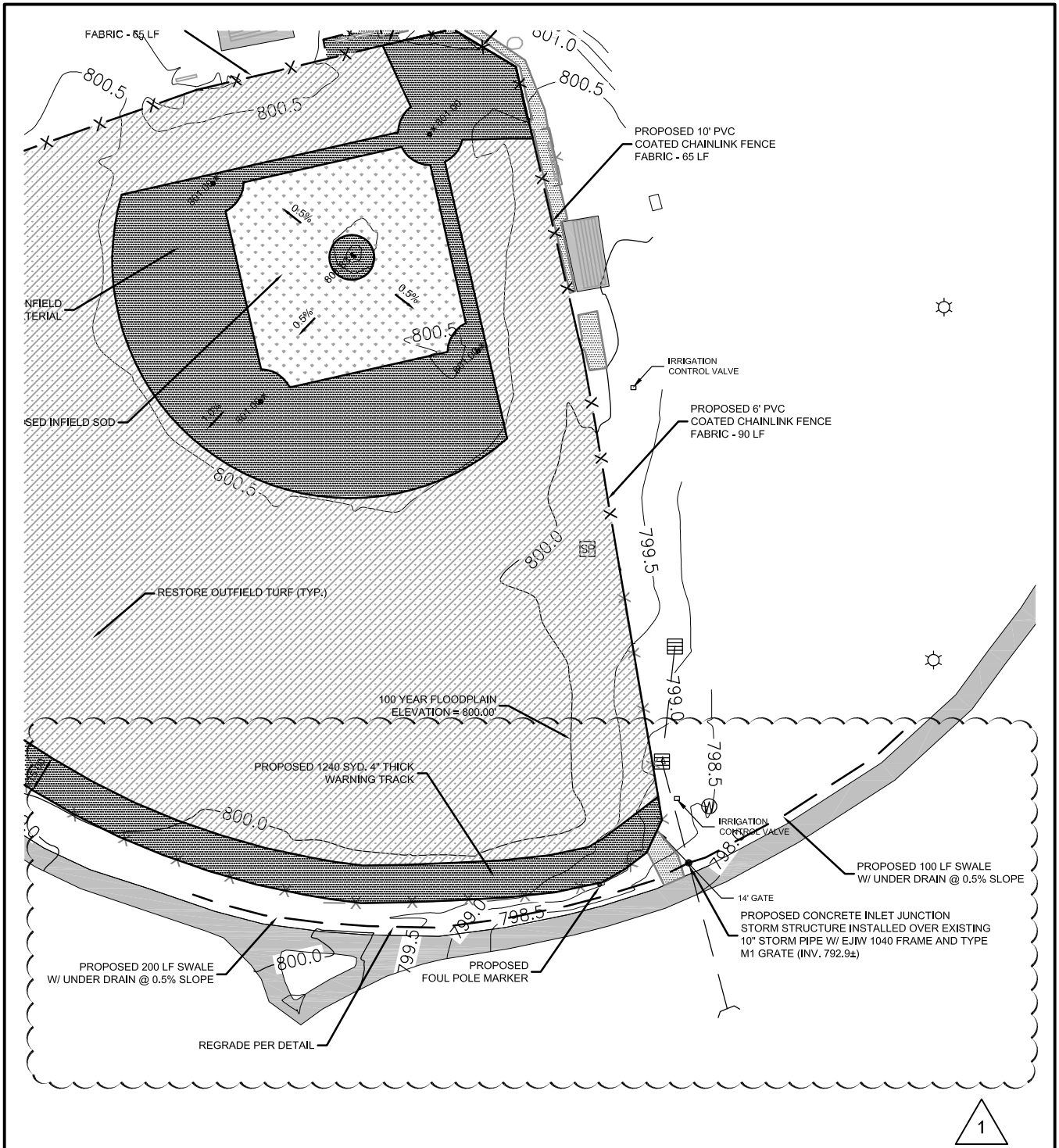
CITY OF ANN ARBOR  
BASEBALL AND SOFTBALL  
FIELD IMPROVEMENTS

Figure No.

1

Title

ADDENDUM #1



**PLAN - WEST PARK SWALE/DRAIN ADDITION**

DECEMBER, 2011  
2075090900



**Stantec Consulting Michigan Inc.**  
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CITY OF ANN ARBOR  
BASEBALL AND SOFTBALL  
FIELD IMPROVEMENTS  
Figure No.  
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ADDENDUM #1