

## **Addendum #3**

January 18, 2022

Genesis Campus Emergency Well

Scott County Requisition No. 19559

### **BID OPENING DATE CHANGE**

The bid opening date has changed from Monday, January 24, 2022 to Monday, January 31, 2022 at 2:30 local time.

Clarification: Bids will be received by Scott County Purchasing Department, 600 W. 4th Street, Davenport, IA 52081 and publicly opened and read aloud in conference room 605 on the 6th floor at this same location.



ADDENDUM #3

DATE: **January 18, 2022**

PROJECT: **Scott County EMA, Iowa  
Genesis East Campus Emergency Well  
IMEG #20001283.00**

BID DATE: ~~2:30 PM, January 24, 2022~~ **NOW 2:30 PM, January 31, 2022**

ENGINEER: IMEG Corp.  
623 - 26<sup>th</sup> Avenue  
Rock Island, IL 61201  
Phone: (309) 283-1583  
POC: Scott Kammerman; [Scott.L.Kammerman@imegcorp.com](mailto:Scott.L.Kammerman@imegcorp.com)

TO: All Contract Document Holders of Record.

This addendum consists of [2] pages and [6] attachments.

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This Addendum forms a part of the bidding and construction documents. This Addendum supersedes and supplements all portions of the original bidding and construction documents dated [2021] with which it conflicts. Please attach this Addendum to the Project Manual(s) in your possession.

**ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE BID FORM, FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.**

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PART 1 - PROCUREMENT REQUIREMENTS

1. **ADVERTISEMENT FOR BIDS CHANGE BID DATE:** The bid opening date has been changed to **January 31, 2022 at 2:30 PM local time**. Clarification: Bids will be received by Scott County Purchasing Department, 600 W. 4<sup>th</sup> Street, Davenport, IA 52081 and publicly opened and read aloud in conference room 605 on the 6<sup>th</sup> floor at this same location.
2. **CLARIFICATIONS:**
  - Property grading required for drilling equipment set up shall be incidental to Bid Item 16 Mobilization. Erosion control required for property grading shall be incidental to Bid Item 16 Mobilization.
  - Noise mitigation wall anticipated to be installed along the North, West and South sides of the proposed well site. Access to the well site anticipated to be from the East side of the proposed well site. **Alternate noise control methods must be submitted prior to Bid to the Engineer, [scott.k.kammerman@imegcorp.com](mailto:scott.k.kammerman@imegcorp.com)** per Section 30-8 of the Detailed Specifications. Noise control method shall meet City of Davenport Noise Ordinance requirements.
  - Project is not subject to American Iron & Steel Act.
  - Water supply shall be available from nearest available fire hydrant, subject to Iowa American Water requirements. Contractor responsible for all water use charges per below.

## **METER RATES**

The following shall be the rates for monthly consumption and are in addition to the Water Service Charge shown below.

	<u>100 Gallons Per Month</u>	<u>Rate Per 100 Gallons</u>
For the First	224	\$0.67750
For the Next	4,264	0.37190
For the Next	70,312	0.33880
For all over	74,800	0.23730

- Proposed well pump size specified assumes a 300 Ft. pumping level and 60 psi discharge pressure at the well head. Proposed well pump size may need to be changed based on as constructed well capacity. Based on well pump availability, the Contract completion time may need to be extended to provide sufficient time for pump and pitless unit installation.
3. **REPLACE:** Article 1 - Article 9 - BID FORM Page 3 of 5 with enclosed. Bidders are to replace this page in Bid Form and use when bidding.
- a. Bid item 19 quantity update.

## **PART 2 – CONTRACTING REQUIREMENTS**

1. **REPLACE:** Agreement Page 3 of 8 with enclosed, Bidders are to replace this page in Agreement.
- a. Bid item 19 quantity update.

## **PART 3 – SPECIFICATIONS**

1. **REPLACE:** Detailed Specifications Section 31, page P-1 & P-2. Bidders to replace pages P-1 & P-2.
- a. Revisions are to page P-1 highlighted 31-03 PUMP A. 3. and 7. P-2 highlighted 31-04 MOTOR 250 horsepower in first sentence.
2. Notice of Intent for NPDES coverage under General Permit #2 applied for. SWPPP plan conditions subject to IDNR review and approval.
- a. **ADD:** Section 01 50 00 Stormwater Pollution Prevention Plan (2 pages).
- b. **ADD:** Section 01 50 01 Well Water Pollution Prevent Plan (6 pages)
- c. **ADD:** Map of proposed discharge location (1 page)

Sincerely,

**IMEG Corp.**



Scott Kammerman, P.E.  
Senior Civil Engineering Specialist

Enclosures: <sup>1</sup>Bid Form Page 3 of 5; <sup>2</sup>Agreement Page 3 of 8; <sup>3</sup>Detailed Specifications Section 31 P-1 & P-2; <sup>4</sup>Section 01 50 00; <sup>5</sup>Section 01 50 01; <sup>6</sup>Proposed Discharge Location Map

**END OF ADDENDUM 3**

**GENESIS EAST CAMPUS EMERGENCY WELL**

BID ITEM	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE BID		AMOUNT OF BID	
				DOLLARS	CENTS	DOLLARS	CENTS
1	42" Drill Hole	L.F.	40				
2	36" Steel Casing	L.F.	41				
3	Grout 36" St. Casing	C.F.	102				
4	35" Drill Hole	L.F.	110				
5	30" Steel Casing	L.F.	151				
6	Grout 30" St. Casing	C.F.	300				
7	26" Drill Hole	L.F.	1,000				
8	20" St. Casing	L.F.	1,200				
9	Grout 20" St. Casing	C.F.	2,200				
10	17-1/2" Open Hole	L.F.	500				
11	Plumbness and Alignment	L.S.	1				
12	Well Development	L.S.	1				
13	Install and Removal of Test Pump	L.S.	1				
14	Constant Rate Pump Test	L.S.	1				
15	F & I Noise Abatement Wall, 24 Ft. High STC 30 Rating	L.S.	1				
16	Mobilization	L.S.	1				
17	Water Analysis	L.S.	1				
18	F & I Pitless Adapter	L.S.	1				
19	F & I 10" Column Pipe	L.F.	340				

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18	F & I Pitless Adapter	L.S.	1				
19	F & I 10" Column Pipe	L.F.	340				

## DETAILED SPECIFICATIONS

### SECTION 31

#### UPPER WELL CONSTRUCTION

##### 31-01 GENERAL

The CONTRACTOR shall furnish and install a submersible well pump and motor, pitless unit, drop pipe, power cable, air line, attachment clamps, discharge piping, and all miscellaneous associated items to complete construction as specified herein.

##### 31-02 GENERAL DETAILS

- A. The lead wire (motor pigtail cable) shall be protected along the length of the pump end by a rigid metal cable guard and shall be long enough to allow connection and reconnection of the cable splice.
- B. The pump and motor shall be suitable for disassembly and repair in the field should this become necessary.
- C. The pump and motor shall be submitted showing pump efficiency and BHP.
- D. The full motor horsepower shall be stated and assurance given that at no point on the pump curve will this horsepower be exceeded.
- E. The operating characteristics for the pump are estimated to be as follows:

Pumping rate (gallons per minute):	1500
Total Dynamic Head (feet):	450

The CONTRACTOR shall not order any equipment which may be changed in size based on the results of the pumping test, until said test has been completed. The size of the actual permanent pump will be determined by the outcome of the pumping test.

##### 31-03 PUMP

- A. Construction Features Required:
  - 1. Stainless steel shaft
  - 2. Bronze alloy suction and discharge bearings
  - 3. Impellers and diffusers shall be 316 S.S.
  - 4. Cable guard to protect motor leads from damage
  - 5. Suction case water passages designed to allow restriction free movement of water. Register fit to assure alignment.
  - 6. One-piece motor to pump shaft coupling.
  - 7. Check valve shall be provided at pump discharge. Check valve shall be silent style check valve with Spring, Flomatic 80DI, or approved equal.
  - 8. Corrosion resistant screen over suction inlet to pump.
  - 9. Fully enclosed motor yoke to keep out abrasives.

##### 31-04 MOTOR

The motor shall be 480 volt, 3 phase, 250 horsepower (estimated) and shall be directly coupled to the pump end, the pump and motor rotor shafts being coupled by a one-piece keyed and pinned coupling sleeve. The motor shall be a 4 pole motor that normal operating speed at 60 hz is 1770 rpm. The rotor shaft shall be supported at either end in bronze radial bearings. Motor shall be water filled type with stainless steel stator and motor shaft. It shall be equipped with an expansion chamber to equalize internal and external liquid pressure. A sand slinger shall be provided where the shaft enters the stator to prevent abrasives entering the motor. The thrust bearing shall be capable of absorbing all thrust developed in the pump end. The thrust bearing will also have the capability to run backwards without sustaining any damage. The motor flange will be dimensionally correct to accept the pump unit, or an adapter must be provided. A sufficient length of motor pigtail cable shall be sealed into the motor. This cable shall be flexible, the conductors being of stranded wire, and there shall be a "water-stop" provided where it is plugged into the motor to prevent water seeping into the winding area in the event of damage to the cable.

#### 31-05 POWER CABLE

Provide sufficient length of flexible cable to connect the motor pigtail to the sealed conduit entrance of the pitless unit. Cable shall be sized to conform to the applicable electrical codes and also to ensure 3% or less voltage drop at the motor with nominal voltage at the starter terminals. The cable shall consist of individual conductors twisted. The insulation shall be double covering; the inner covering of a special water resistant Buna synthetic rubber insulation and the outer a tough abrasion resistant rubber material. The cable shall be supported on the pipe column by stainless steel bands at intervals not exceeding 21 feet.

#### 31-06 PIPE COLUMN

PROVIDE SUFFICIENT LENGTH OF NEW 10-INCH DIAMETER Schedule 40 black steel pipe, to connect the pump at the required setting to the pitless unit. The steel pipe shall be threaded, and utilize schedule 40 black steel couplings to join lengths together. The pipe and couplings shall be coated inside and out with a minimum of 2 coats of TNEMEC POTAPOX N-140, 8mils minimum. Surface preparation shall be per TNEMEC recommendations.

#### 31-07 WELL CAP

- (a) Terminate vent at least 1/ feet above existing ground elevation, minimum vent diameter = 1"
- (b) Vent to terminate in a downturned position and be covered with a 24 mesh corrosion resistant screen
- (c) Have a sealed entrance connection for electrical cable
- (d) Have a sealed cover
- (e) Be connected to the well casing by water tight methods
- (f) The 4" Black pipe shall extend above the top of the well casing and shall be supported by the well cap.

#### 31-08 WATER LEVEL MEASUREMENT

SECTION 01 50 00  
STORMWATER POLLUTION PREVENTION PLAN

PART 1 - GENERAL

1.1 SCOPE

- A. The Contractor shall maintain and follow the Storm Water Pollution Prevention Plan (SWPPP) for the project. The Contractor shall be responsible for all costs associated with installation, maintenance, removal, and inspection of controls for the SWPPP.
- B. The Contractor shall take necessary steps to minimize or prevent problems associated with erosion and sediment runoff during project construction.
- C. The Iowa Statewide Urban Design and Specifications (SUDAS), current edition Sections 9040 - Erosion and Sediment Control shall be utilized for this project. Cost of this work is incidental to mobilization.
- D. The Owner has applied for the permit (NPDES General Permit #2 for "Storm Water Discharge Associated with Industrial Activity for Construction Activities") associated with the SWPPP. The SWPPP shall be administered by the Contractor.
- E. The Contractor shall adhere to the requirements of General Permit #2. Contact Joe Griffin, Program Coordinator at the IDNR, at 515-725-8417 to obtain permit requirements.
- F. The Contractor will be provided a copy of the SWPPP for use and implementation on the site. The SWPPP copy will include Notice of Intent, Public Notice, DNR authorization letter, and other forms to be utilized during administration of the SWPPP.
- G. All SWPPP inspection logs shall be completed by the Contractor until the project is finalized and the Notice of Discontinuation is submitted to the IDNR. The Contractor is required to remove all temporary controls within 30 days of filing the Notice of Discontinuation.
- H. The Contractor shall submit a copy of the SWPPP inspection logs upon request of the Engineer.
- I. After the Owner files the Notice of Discontinuation with the IDNR, the Contractor shall submit copies of all SWPPP records to the Engineer. The Owner shall store the records for three years.

PART 2 - PRODUCTS

NOT USED.

PART 3 - EXECUTION

3.1 IDNR NPDES PERMIT #2

A. General Information

- 1. Wastewater generated from the well construction and development shall be treated to reduce solids to the maximum extent practical, prior to surface discharge. Proposed discharge location is approximately 300 ft. east and 370 ft. north of the proposed well site, in an existing swale. Contractors shall furnish and install temporary wastewater discharge piping from the well site to the approximate



vicinity of an existing storm sewer discharge as described well above. It is anticipated that some of the wastewater generated from the well development and capacity testing will be suitable for direct discharge to the proposed location of the temporary wastewater discharge pipe. Temporary wastewater discharge location ground surface shall be armored as needed to prevent erosion from occurring. Temporary discharge piping shall be removed from the site on completion of the well construction process. Contractor shall restore the ground surface to the original conditions.

**B. SWPPP DETAILS**

1. Contractor shall bid and construct the BMPs and features of this WWPPP. BMPs are to include a mobile tank truck or a frac tank with a limited amount of bales, wattles, or compost logs used as overflow protection. The grass swale with silt fence, compost logs and rock check dams is intended to be used during drilling without the use of drilling fluids and for development pumping.
2. New Jordan Aquifer Well is located at 1222 E. Denison Avenue at the SE quarter of Section 24 Township 78N; Range 3 E as illustrate on the drawings.
3. Existing soils information - The existing site consists of a relatively flat mowed lawn area.
4. Existing runoff water quality - No data are available.
5. Name of receiving water - Rail Road grade ditch drainage South to the City storm sewer system and to Mississippi River.
6. Anticipate Discharges - It is not anticipated that discharge will be generated during drilling. All drilling fluid is required to be removed from site and properly disposed at the completion of drilling and well construction. Water generated during well development can be directed to the grass Valley North and East of the well site. Removal of controls and sediment in the grass swale is the responsibility of the contractor. Contractor to restore all disturbed vegetation in the grassed swale.
7. All drilling fluids will be pumped to mobile tank trucks and properly disposed of off-site.
8. Turbid water generated during well development can be directed to a mobile tank truck or frac tank and properly clarified prior to discharge or disposed of offsite or can be directed to the grass swale. Contractor is responsible for ensuring the water is clarified prior to discharging from the grass swale.
9. BMPs will consist of overflow runoff protection placed around the tank truck, frac tank or mud pit, and silt fence or compost logs, rock check dams, riprap, and other stabilizing materials at the outfall.
10. Test pumping of the well will involve pumping the well at a rate up to 1,800 gpm for approximately 72 hours. Formation waters produced during test pumping are anticipated to be clear and free of suspended solids. Discharge to the ground and overland flow to existing drainage channels is anticipated to be sufficient for discharge of clear water. The discharge shall be directed by pipe or hose to the grass valley north of the north Genesis parking lot.

END OF SECTION

SECTION 01 50 01  
WELL WATER POLLUTION PREVENTION PLAN

PART 1 - GENERAL

1.1 GENERAL INFORMATION

- A. Contractor shall bid and construct the BMPs and features of this WWPPP. BMPs are to include a mobile tank truck or a frac tank with a limited amount of bales, wattles, or compost logs used as overflow protection. The grass swale with silt fence, compost logs and rock check dams is intended to be used during drilling without the use of drilling fluids and for development pumping.
- B. New Jordan Aquifer Well is located at 1222 E. Denison Avenue at the SE quarter of Section 24 Township 78N; Range 3 E as illustrated on the drawings.
- C. Existing soils information - The existing site consists of a relatively flat mowed lawn area.
- D. Existing runoff water quality - No data are available.
- E. Name of receiving water - Rail Road grade ditch draining South to the City storm sewer system and to Mississippi River
- F. Anticipated Discharges - It is not anticipated that discharge will be generated during drilling. All drilling fluid is required to be removed from site and properly disposed at the completion of drilling and well construction. Water generated during well development can be directed to the grass Valley North and East of the well site. Removal of controls and sediment in the grass swale is the responsibility of the contractor. Contractor to restore all disturbed vegetation in the grassed swale.

1.2 SITE PLAN GOALS

- A. Objectives for this Plan are to limit the amount of pollution due to well drilling discharge from the site and to comply with the requirements of General Permit No. 6.
- B. The goal of the WWPPP and General Permit No. 6 is to reduce or eliminate well water pollution from well construction activities by requiring the Contractor to plan and implement appropriate pollution control practices to protect water quality. General Permit No. 6 is administered by the Iowa Department of Natural Resources (IDNR) subject to federal NPDES requirements.
- C. The IDNR requires that Contractors, Subcontractors, and the Owner are to file the Notice of Intent (NOI) with the applicable IDNR Field Office as co-permittees. The Contractor and Subcontractor are the day-to-day operations and responsible for Well Water Pollution Prevent Plan (WWPPP) and General Permit No. 6 compliance. Although the Owner does not have day-to-day operational control of the project site, it has Contractor oversight and General Permit No. 6 compliance responsibility as the landowner and having control over Plans and Specifications. Prior to filing the NOI, the Contractor is required to complete the construction of work items under the WWPPP containing Best Management Practices (BMP) to reduce impact from drilling. The WWPPP is prepared by the Engineer and requires Owner approval. The WWPPP process required to be completed prior to construction commencement.
- D. Inspections are included in the WWPPP. Contractor inspection shall include one inspection within the first one-half of water discharge and ever six (6) hours thereafter. Contractor is required to record inspection on the forms included in the WWPPP.

- E. The Contractor is responsible for the installation and maintenance of WWPPP, and the erosion control structures, or materials recommended in the WWPPP. In the event that the WWPPP does not perform sufficiently to comply with General Permit No. 6, discharge shall cease and corrective actions shall be implemented. All corrective actions shall be approved by the owner, shall be completed in a timely manner, after recognition of problem or receipt of a Notice of Violation. All records shall be maintained on site, with copies given to the Owner upon completion of the project. Adv corrective action will be at additional cost approved by the owner.
- F. General approaches to meet this goal include:
  - 1. Disturbing the smallest area possible.
  - 2. Allowing the grass lawns in the water clarification and retention areas to grow and remain long.
  - 3. Avoiding disturbance of sensitive areas such as:
    - a. Steep and/or unstable slopes
    - b. Areas with soils susceptible to erosion
    - c. Existing drainage channels
  - 4. Directing the discharge of polluted discharges to tanks, detention, or treatment

### 1.3 CONSTRUCTION ACTIVITY

- A. The work includes the construction, development, and test pumping of New Jordan Aquifer Storage well.
- B. All drilling fluids will be pumped to mobile tank trucks and properly disposed of off-site.
- C. Turbid water generated during well development can be directed to a mobile tank truck or frac tank and properly clarified prior to discharge or disposed of offsite or can be directed to the grass swale. Contractor is responsible for ensuring the water is clarified prior to discharging from the grass swale.
- D. BMPs will consist of overflow runoff protection placed around the tank truck, frac tank or mud pit, and silt fence or compost logs, rock check dams, riprap, and other stabilizing materials at the outfall.
- E. Test pumping of the well will involve pumping the well at a rate up to 1,800 gpm for approximately 72 hours. Formation waters produced during test pumping are anticipated to be clear and free of suspended solids. Discharge to the ground and overland flow to existing drainage channels is anticipated to be sufficient for discharge of clear water. The discharge shall be directed by pipe or hose to the grass valley north of the north Genesis parking lot.

### 1.4 DISCHARGE ESTIMATE

- A. The estimated discharge during well development is 1,800 gpm for 72 hours or 7.78 million gallons.

### 1.5 WWPPP GENERAL SITE MAP

- A. See Drawings.

## 1.6 STATE AND LOCAL REQUIREMENTS

- A. All well work must comply with NPDES General Permit No. 6, a copy of which is included in the appendix of this WWPPP. General Permit No. 6 requires compliance with 567 I.A.C. 61.3(2).
- B. Existing Rail Road Grade ditch is identified as the first point of discharge for any clarified water leaving the work area.

## PART 2 - PRODUCTS

### 2.1 SELECTED BEST MANAGEMENT PRACTICES

- A. Broad Categories:
  - 1. Natural grassways or buffer strips — to naturally filter out, settle and slow down water velocity during discharge.
  - 2. Piping to a common tank, sediment basin, silt fences and berms - to redirect runoff to more favorable areas and to slow down or sift out solids.
  - 3. Tanks, Retention basins and settling pits at the well — to settle out vast amounts of solids and colloidal mass from drilling fluids.
  - 4. Filter bags, filter socks or other mechanical means (including flocculants) — used in conjunction with any or all of the above BMP's.
  - 5. Removal of drilling fluids and development water from the site and proper disposal off site.
- B. Site Specific BMPs include, but are not limited to:
  - 1. Excavated detention pits
  - 2. Mechanical Solids Control Equipment (mud cleaning machines and shakers)
  - 3. Portable frac tanks or mobile tanks
  - 4. Silt bags
  - 5. Wattles
  - 6. Straw bales
  - 7. Rock checks
  - 8. Geo-textiles/silt fence
  - 9. Chemical sequestering
  - 10. Preservation of natural vegetation
  - 11. Sod or grass mat stabilization
  - 12. Vegetative buffer strips

13. Sediment trap — A sediment trap is formed by excavating a pond or by placing an earthen embankment across a low area or drainage swale. It has an outlet or spillway made of large stones or aggregate. The trap retains the runoff long enough to allow the silt to settle out.
14. Sediment basin — A sediment basin is a settling pond with a controlled water release structure, e.g., a riser and pipe outlet with a gravel filter, which slows the release of runoff. The basin detains sediment-laden runoff from larger drainage areas long enough for most of the sediment to settle out.
15. Vegetated swales and natural depressions - Grass-lined ditches or depressions that transport runoff, filter sediments from the runoff, and enhance infiltration of the runoff.
16. Storm drain inlet protection.

### PART 3 - EXECUTION

#### 3.1 COLLECTION AND CONVEYANCE OF DISCHARGES

- A. All well wastewater will be collected and contained to prevent it from running off the site. The contractor will furnish a mobile tank truck or frac tank and pumps to direct water from the well head to the tank, as required.

#### 3.2 IMPACTED WATER MANAGEMENT

- A. Any water contaminated with chemicals incompatible for discharge to the land or storm sewer (for example, water contaminated by accidental fuel spills) will be contained and discharged according to Local, State, and Federal rules and regulations. Disposal of any water to the sanitary sewer or hauled by tank truck to the City wastewater treatment facility will be arranged in advance by the Contractor.

#### 3.3 CLEAR WATER MANAGEMENT

- A. Any water discharged to the ground surface or to the storm sewer (Clear Water Disposal Point) will be clear water capable of complying with the narrative water quality standards of 567 I.A.C. 61.3(2).

#### 3.4 RELEASES IN EXCESS OF REPORTABLE QUANTITIES

- A. Any owner or operator identified in the WWPPP is subject to the spill notification requirements as specified in 455B.386 of the Iowa Code. Iowa law requires that as soon as possible but not more than six (6) hours after the onset of a "hazardous condition" the Department and local sheriff's office or the office of the sheriff of the affected county be notified. Well construction and well service activities must cease until the WWPPP is modified to provide a description of the release and the circumstances leading to the release and to identify and provide for the implementation of steps to prevent the reoccurrence of such releases and to respond to such releases.

#### 3.5 LOCATION OF BMP CONTROLS

- A. The BMP controls shall be located on property owned by Genesis as delineated on the drawings.

### 3.6 IMPLEMENTATION OF BMP CONTROLS

- A. Implementation of this WWPPP, including the installation and maintenance of all physical works required to accomplish the BMPs/Controls covered by this Plan, is the responsibility of the well Contractor. The OWNER will file the necessary IDNR Field Office Notification as required by the Permit (a copy of the notification form is included in an appendix). The OWNER will notify the IDNR Field Office no more than five (5) calendar days prior to and no less than 24 hours after commencing well construction and/or well service activities on a site.

### 3.7 PLAN LOCATION AND ACCESS

- A. During the work on the project, a current copy of this WWPPP will be maintained near the well service activity in a weather-proof enclosure, the job trailer, or the contractor's vehicle. The WWPPP must be accessible to all personnel engaged by the Contractor or any of its sub-contractors, as well as to City staff, EPA, and IDNR officials.

### 3.8 INSPECTION AND MAINTENANCE OF BMP CONTROLS

- A. Inspection of the BMPs and overflow protection controls will be performed by qualified Contractor personnel in the first one-half hour of discharge and at least every 6 hours during discharging from the site. The inspector will notify the well contractor if performance of the BMPs/Controls appear to be performing inadequately. The well contractor will maintain the physical elements of BMP/control measures installed as part of this plan. In the event that the well contractor becomes aware of deficiencies in the BMPs/Controls, he/she will immediately notify the Owner/owner's Representative.

### 3.9 RECORD KEEPING

- A. The Owner will retain a copy of all reports prepared by Owner/Owner's Representative personnel and all inspection reports and any special reports or information provided by the well contractor. A copy of this WWPPP and related documents will be kept at the construction site by the well contractor during the work and in the office of the Owner/Owner's Representative for a period of 6 months after completion of the well services.

END OF SECTION

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100 50 0 100 200

EAST COLUMBIA AVENUE

COLLEGE AVENUE

ESPLANDE AVENUE

EAST CENTRAL PARK AVENUE

WITTENMYER LANE

PROPOSED WELL WATER DISCHARGE LOCATION

R=1000'

EAST DOVER COURT

PROPOSED WELL SITE LOCATION

EAST DENISON AVENUE

BRIDGE AVENUE

EAST RUSHOLME STREET

GRAND COURT

MISSISSIPPI AVENUE

ELM STREET

COLLEGE AVENUE

