

# IOWA CITY WASTEWATER TREATMENT PLANT RELOCATION PROJECT NORTH PLANT SALVAGE AND DEMOLITION PHASE

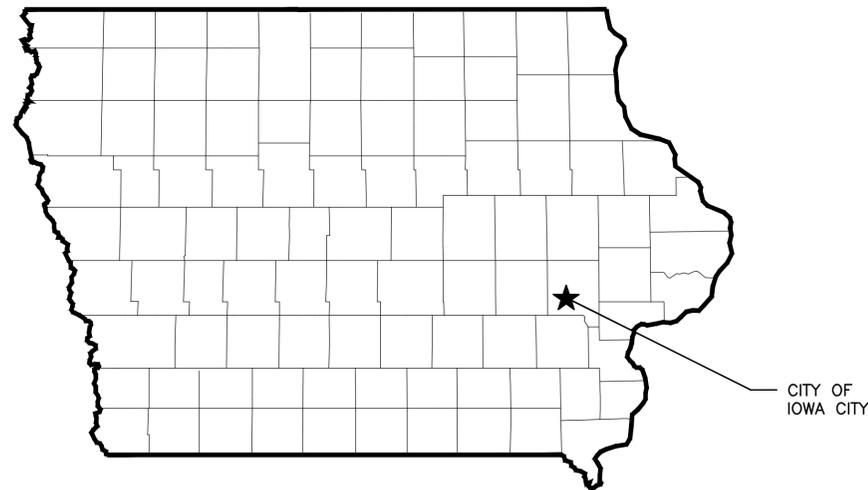
FOR

## CITY OF IOWA CITY FEBRUARY, 2015

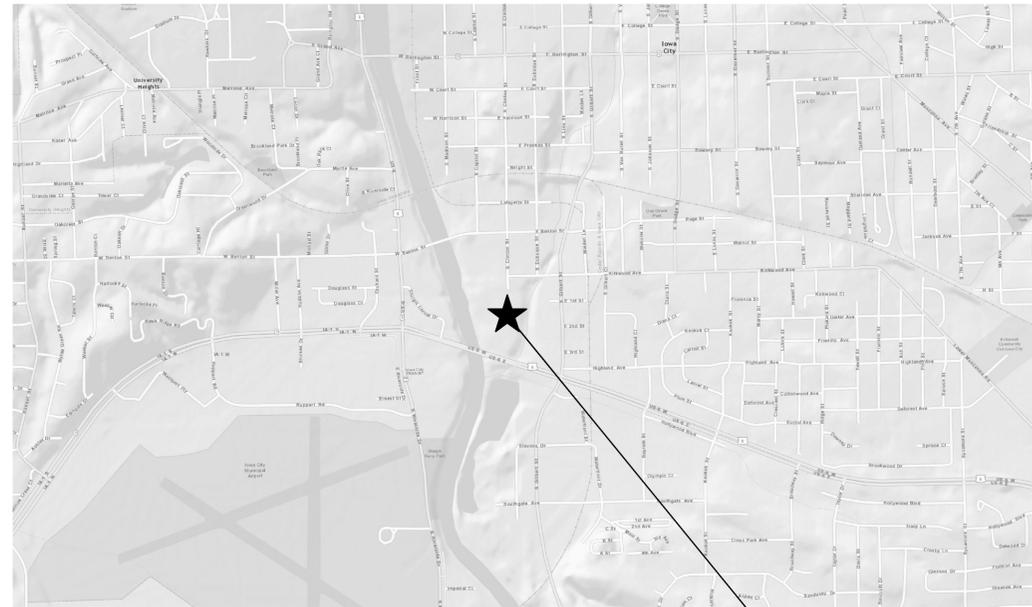
**VEIT Record Drawings**  
Demolition Project Manager: Jason Mueller  
Demolition Superintendent: Scott Bauer  
October 5, 2015

No Record Drawing Comments  
by Veit for this Sheet!

Strand Comment: Addendum No. 1 comments added to this record drawing set where applicable.



PROJECT LOCATION  
NO SCALE



AREA MAP  
NO SCALE

NORTH PLANT  
1000 SOUTH CLINTON ST.  
IOWA CITY, IA 52240  
(T79N, R6W, SECTION 15,  
SW QUARTER)

Strand Comment: Note this North WWTP Site occupies two addresses which includes 1000 and 1001 South Clinton St.

**ENGINEER**  
**STRAND ASSOCIATES, INC.**  
910 WEST WINGRA DRIVE  
MADISON, WI 53715  
608-251-4843  
608-251-8655 FAX  
www.strand.com

**OWNER**  
**CITY OF IOWA CITY**  
410 E. WASHINGTON ST.  
IOWA CITY, IA 52240  
319-356-5140  
319-356-5007 FAX



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA

FOR STRAND ASSOCIATES, INC.  
*Bradley J. Lake* 3-10-2015  
BRADLEY J. LAKE DATE  
PE 22660 12/31/2016  
LICENSE # RENEWAL DATE

PAGES OR SHEETS COVERED BY THIS CERTIFICATION:  
ALL SHEETS UNLESS OTHERWISE NOTED

RECORD DRAWING

DATE: DECEMBER 15, 2015  
CONTRACTOR: VEIT AND COMPANY, INC.  
CONSTRUCTED: MAY THROUGH DECEMBER, 2015

NOTE:  
THESE DRAWINGS WERE PREPARED FROM INFORMATION SUPPLIED BY THE CONTRACTOR'S RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE DURING CONSTRUCTION.

**DRAWING LIST**

SHEET NO.	DRAWING NO.	TITLE
1	00-G0.01	TITLE SHEET
2	05-D1.01	SITE - EXISTING PLAN
3	05-CD1.01	SITE - PAVEMENT DEMOLITION PLAN
4	05-CD1.02	SITE - STRUCTURE DEMOLITION PLAN
5	05-MD1.01	SITE - YARD PIPING DEMOLITION PLAN - 1
6	05-MD1.02	SITE - YARD PIPING DEMOLITION PLAN - 2
7	05-C1.01	SITE - INTERIM GRADING PLAN
8	05-C1.02	SITE - EROSION CONTROL PLAN
9	99-CD5.01	CIVIL - SCHEDULES AND DETAILS

**DISCIPLINE DESIGNATIONS**

G - General  
C - Civil  
D - Demolition  
M - Process/Mechanical

**SYMBOLS**

	AREA OF THE SITE
	BENCH MARK
	EXISTING UTILITY POLE
	EXISTING LIGHT POLE
	EXISTING YARD HYDRANT
	SILT FENCE
	EXISTING FENCE
	EXISTING CONTOUR LINES
	NEW CONTOUR LINES
	EXISTING SANITARY SEWER AND MANHOLE
	EXISTING STORM SEWER AND MANHOLE (I-INLET)
	EXISTING GAS MAIN
	EXISTING UNDERGROUND ELECTRIC
	EXISTING OVERHEAD ELECTRIC

**ABBREVIATIONS**

CTE	CONTACT TANK EFFLUENT
CWE	CLEARWELL EFFLUENT
D	DRAIN
EFE	EXCESS FLOW EFFLUENT
EMH	ELECTRICAL MANHOLE
GCE	GRIT CHAMBER EFFLUENT
GOF	GRIT OVERFLOW
MH	MANHOLE
SAN	SANITARY SEWER
SD	SANITARY DRAIN
SE	SECONDARY EFFLUENT
ST	STORM SEWER
TFE	TRICKLING FILTER EFFLUENT
YH	YARD HYDRANT

Strand Comment: Strand Sheet 4A added to include Addendum No. 1 items.

Strand Comment: Supplemental Information provided by Veit and included at the end of this Record Drawing set.

ISSUED FOR BIDDING



SHEET  
1  
00-G0.01



**No Record Drawing Comments by Veit for this Sheet!**

**GENERAL NOTES:**

- REFER TO THE CONSTRUCTION SEQUENCE IN SECTION 01010 OF THE SPECIFICATIONS FOR GENERAL SEQUENCING OF THE WORK. CONTRACTOR SHALL NOTE THE PRIMARY CLARIFIER SPLITTER BOX, THE CONTROL HOUSE, PRIMARY CLARIFIERS, PRIMARY COLLECTION BOX, FILTER HEAD BOX, TRICKLING FILTERS, FILTER COLLECTION BOX, DIVERSION BOX, SECONDARY CLARIFIERS, SECONDARY SLUDGE PUMP STATION, RECYCLE PUMP STATION, DIVERSION CONTROL STRUCTURE, AND ALL PIPING CONNECTING THESE STRUCTURES ARE NOT EXPECTED TO BE AVAILABLE FOR DEMOLITION UNTIL JUNE 15, 2015.
- THE "AREA OF SITE" IS GENERALLY DEFINED BY THE EXISTING FENCE LINE AROUND THE SITE AS WELL AS THE AREA OCCUPIED BY THE TWO OUTFALL HEADWALLS TO THE IOWA RIVER.
- CONTRACTOR MAY DEMOLISH PAVEMENT/SIDEWALK FOLLOWING DEMOLITION OF THE STRUCTURES TO OPTIMIZE ACCESSIBILITY AROUND THE SITE. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PAVEMENT/SIDEWALKS WITHIN THE "AREA OF THE SITE" DURING DEMOLITION ACTIVITIES AS NECESSARY.
- PAVEMENT AND SIDEWALK AREAS SHOWN FOR REMOVAL ARE APPROXIMATE. CONTRACTOR SHALL REMOVE ALL PAVEMENT AND SIDEWALK WITHIN THE AREA OF THE SITE.
- DOCUMENT MASS OF DEMOLISHED CONCRETE AND GRAVEL REUSED AS ON-SITE FILL MATERIAL TO DOCUMENT COMPLIANCE WITH THE CONSTRUCTION WASTE MANAGEMENT PLAN AS DEFINED IN SECTION 01740. DOCUMENT MASS OF DEMOLISHED ASPHALT THAT IS RECYCLED OFF-SITE.

**KEY NOTES:**

- A** MILL OFF EXISTING ASPHALT PAVEMENT OR REMOVE AND PROCESS THROUGH MECHANICAL CRUSHER IN ACCORDANCE WITH SECTIONS 02050 AND 02222. CRUSHED ASPHALT PAVEMENT SHALL BE HAULED OFF SITE AND RECYCLED.
- B** REMOVE EXISTING SIDEWALK AND CONCRETE PAVEMENT INCLUDING CURB AND GUTTER FOR RECYCLING, AND PROCESS THROUGH MECHANICAL CRUSHER IN ACCORDANCE WITH SECTIONS 02050 AND 02222. CRUSHED CONCRETE SHALL BE PLACED AND COMPACTED ON SITE WITHIN THE STRUCTURES THAT WILL NOT BE ENTIRELY REMOVED OR WITHIN EXCAVATIONS WHERE STRUCTURES/PIPES WERE ENTIRELY REMOVED. THIS MATERIAL SHALL BE PLACED AND COMPACTED TO NO HIGHER THAN 2 FEET BELOW NEW GRADE.
- C** REMOVE GRAVEL PAVEMENT AND GRAVEL BASE COURSE MATERIAL BELOW ASPHALT PAVEMENT AND CONCRETE PAVEMENT/SIDEWALK TO A DEPTH OF 12 INCHES IN ACCORDANCE WITH SECTIONS 02050 AND 02222. GRAVEL PAVEMENT AND GRAVEL BASE COURSE MATERIAL SHALL BE PLACED AND COMPACTED ON SITE WITHIN THE STRUCTURES THAT WILL NOT BE ENTIRELY REMOVED OR WITHIN EXCAVATIONS WHERE STRUCTURES/PIPES WERE ENTIRELY REMOVED. THIS MATERIAL SHALL BE PLACED AND COMPACTED TO NO HIGHER THAN 2 FEET BELOW NEW GRADE.
- D** CONTRACTOR SHALL MAINTAIN BIKE PATH IN SERVICE DURING DEMOLITION ACTIVITIES.
- E** SAWCUT AND REMOVE ASPHALT BIKE PATH PAVEMENT AND CONCRETE PAVEMENT AS NECESSARY IN THIS AREA TO LOCATE AND COMPLETE NEW WORK ON PW SUPPLY LINE.

**LEGEND:**

-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT/SIDEWALK
-  EXISTING GRAVEL PAVEMENT
-  DEMOLISH (REMOVE)

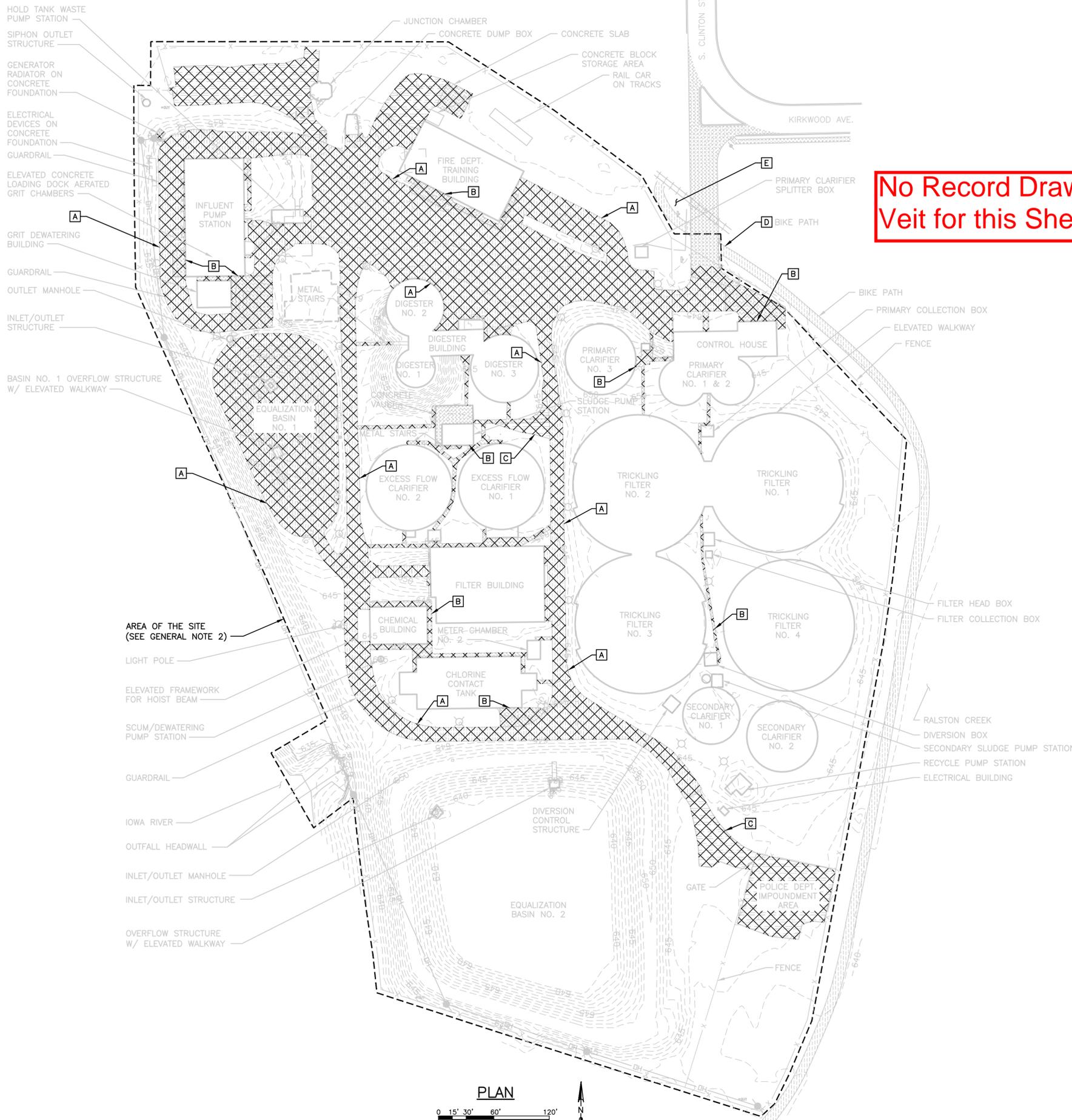
NO.	REVISIONS	DATE
1	ISSUED FOR BIDDING	03/31/2015

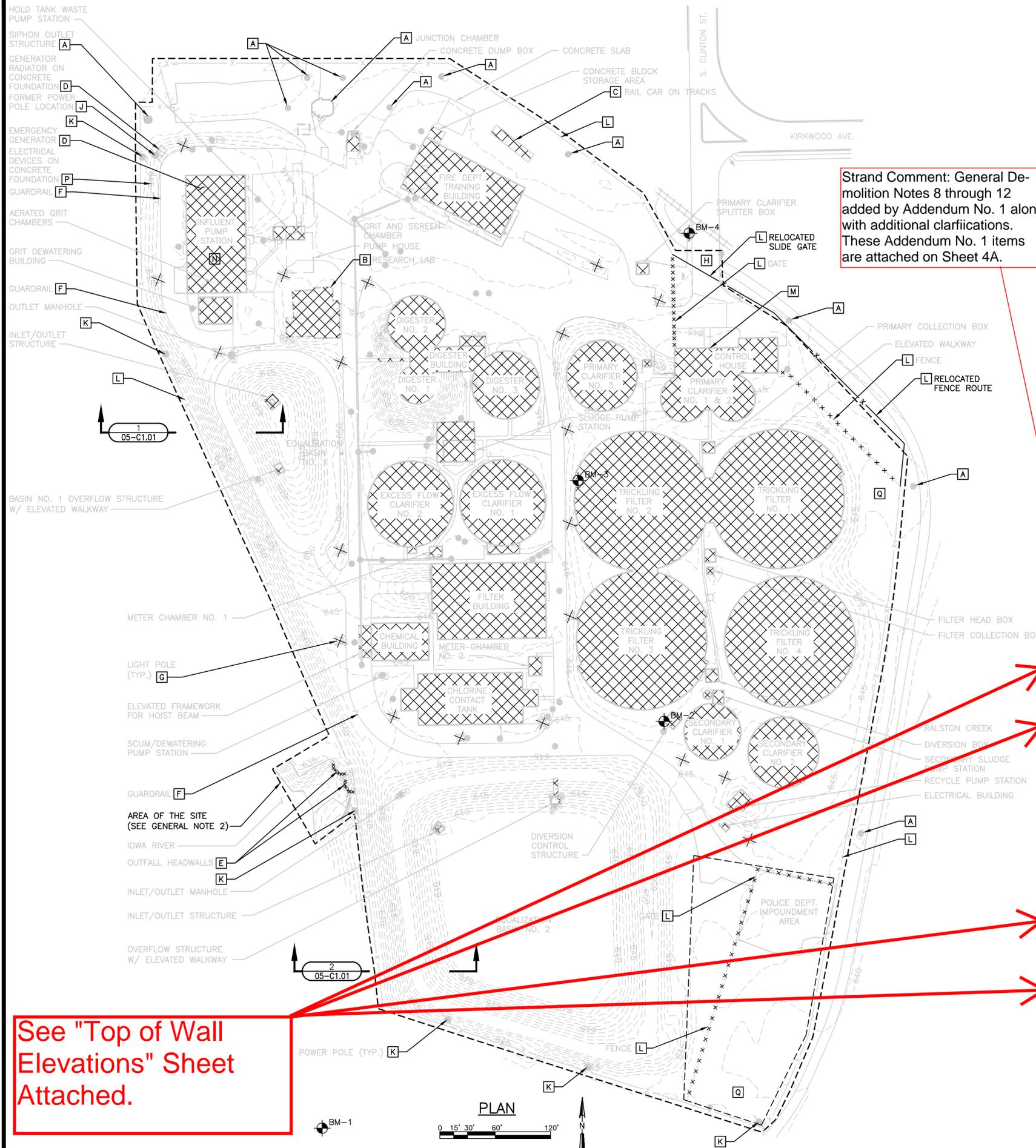
**SITE DEMOLITION PLAN**  
**IOWA CITY WASTEWATER TREATMENT PLANT RELOCATION PROJECT**  
**NORTH PLANT SALVAGE AND DEMOLITION PHASE**  
**CITY OF IOWA CITY**  
**JOHNSON COUNTY, IOWA**

**JOB NO.**  
3604.004  
**PROJECT MGR.**  
BRADLEY J. LAKE



**SHEET**  
3  
**05-CD1.01**





Strand Comment: General Demolition Notes 8 through 12 added by Addendum No. 1 along with additional clarifications. These Addendum No. 1 items are attached on Sheet 4A.

See "Top of Wall Elevations" Sheet Attached.

**GENERAL DEMOLITION NOTES:**

- REFER TO THE CONSTRUCTION SEQUENCE IN SECTION 01010 OF THE SPECIFICATIONS FOR GENERAL SEQUENCING OF THE WORK. CONTRACTOR SHALL NOTE THE PRIMARY CLARIFIER, SPLITTER BOX, THE CONTROL HOUSE, PRIMARY CLARIFIERS, PRIMARY COLLECTION BOX, FILTER HEAD BOX, TRICKLING FILTERS, FILTER COLLECTION BOX, DIVERSION BOX, SECONDARY CLARIFIERS, SECONDARY SLUDGE PUMP STATION, RECYCLE PUMP STATION, DIVERSION CONTROL STRUCTURE, AND ALL PIPING CONNECTING THESE STRUCTURES ARE NOT EXPECTED TO BE AVAILABLE FOR DEMOLITION UNTIL JUNE 15, 2015.
- THE "AREA OF SITE" IS GENERALLY DEFINED BY THE EXISTING FENCE LINE AROUND THE SITE AS WELL AS THE AREA OCCUPIED BY THE TWO OUTFALL HEADWALLS TO THE IOWA RIVER PRIOR TO DEMOLITION.
- DEMOLISH STRUCTURES AS INDICATED IN TABLE BELOW AND IN ACCORDANCE WITH SECTION 02050. NOT ALL MINOR STRUCTURES ARE INCLUDED IN TABLE. ANY STRUCTURES NOT INCLUDED IN THE TABLE SHALL BE REMOVED ENTIRELY. ALL EQUIPMENT, PIPING SYSTEMS, ELECTRICAL ITEMS, AND ALL OTHER ITEMS SHALL BE REMOVED ENTIRELY FROM WITHIN TANKS AND BUILDINGS.
- STRUCTURE AREAS SHOWN FOR REMOVAL ARE APPROXIMATE. CONTRACTOR SHALL REMOVE ALL STRUCTURES WITHIN THE AREA OF THE SITE UNLESS OTHERWISE NOTED TO REMAIN.
- DOCUMENT MASS OF DEMOLISHED STRUCTURE MATERIALS REUSED OR RECYCLED TO DOCUMENT COMPLIANCE WITH THE CONSTRUCTION WASTE MANAGEMENT PLAN AS DEFINED IN SECTION 01740.
- STRUCTURES WHOSE FOUNDATIONS ARE NOT SCHEDULED TO BE REMOVED ENTIRELY SHALL HAVE A MINIMUM OF THREE 12 INCH DIAMETER HOLES CORED IN THE REINFORCED CONCRETE BASE SLAB WITH AT LEAST ONE HOLE LOCATED AT THE LOWEST ELEVATION OF THE BASE SLAB. COORDINATE CORING LOCATIONS WITH ENGINEER.
- ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). EXISTING RECORD DRAWING DATUM ELEVATIONS DIFFER FROM NAVD88 ELEVATIONS BY APPROXIMATELY 588.19 FT (RECORD DRAWING DATUM ELEVATION + 588.19 FT = NAVD ELEVATION)

**DEMOLITION KEY NOTES:**

- A** STRUCTURES TO REMAIN THAT ARE ACTIVELY CONVEYING WASTEWATER THROUGH THE SITE INCLUDE THE JUNCTION CHAMBER, SIPHON OUTLET STRUCTURE, AND THE IDENTIFIED MANHOLES (MH) AND ASSOCIATED PIPING. CONTRACTOR SHALL IDENTIFY AND PROTECT THESE STRUCTURES AND ASSOCIATED PIPING DURING DEMOLITION ACTIVITY.
- B** EXISTING STRUCTURE PREVIOUSLY ABANDONED BELOW GRADE. REMOVE REMAINING STRUCTURE ENTIRELY. SEE STRUCTURE DEMOLITION TABLE.
- C** REMOVE RAIL CAR AND ALL COMPONENTS OF THE ASSOCIATED RAILROAD TRACK STUB FROM THE SITE.
- D** REMOVE THE REMOTE GENERATOR RADIATOR AND DIESEL GENERATOR, 500 GALLON ABOVE GROUND STORAGE TANK AND TRANSFER SWITCH WITHIN THE INFLUENT PUMP STATION. TRANSPORT THE GENERATOR AND RELATED COMPONENTS TO THE IOWA CITY SOUTH WASTEWATER TREATMENT PLANT AND UNLOAD AT A CITY-DETERMINED STORAGE LOCATION. THE GENERATOR AND COMPONENTS REMOVAL, TRANSPORTATION, AND UNLOADING SHALL OCCUR IN THE PRESENCE OF A CITY STAFF MEMBER. THE GENERATOR COOLANT AND DIESEL FUEL SHALL BE REMOVED BY CITY STAFF PRIOR TO REMOVAL OF THE GENERATOR AND COMPONENTS BY THE CONTRACTOR. CONTRACTOR SHALL CONDUCT REMOVAL, TRANSPORTATION, AND UNLOADING IN A MANNER WHICH PREVENTS SPILLAGE OF ANY REMAINING LIQUID RESIDUALS AND IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.
- E** REMOVE TWO CONCRETE OUTFALL HEADWALLS ENTIRELY AS SHOWN IN **D** AND **E** 99-CD5.01 AND 99-CD5.01
- F** REMOVE ALL GUARDRAIL AND ANY CONCRETE FOUNDATION ENTIRELY WITHIN THE AREA OF THE SITE.
- G** REMOVE ALL LIGHT POLES AND CONCRETE FOUNDATIONS ENTIRELY WITHIN THE AREA OF SITE.
- H** CONTRACTOR SHALL CONFIRM THE DISCONNECTION OF THE ELECTRICAL AND GAS SERVICE TO THE SITE WITH THE GOVERNING UTILITY.
- J** CONTRACTOR SHALL CONFIRM THIS FORMER POWER POLE AND ELECTRIC SERVICE HAS BEEN REMOVED ENTIRELY BY THE LOCAL UTILITY ALONG WITH UNDERGROUND CONDUCTORS.
- K** POWER POLES ALONG THE SOUTH AND WEST SITE BOUNDARIES SHALL REMAIN UNLESS OTHERWISE NOTED.
- L** ONCE THE PROJECT IS SUBSTANTIALLY COMPLETE AND GRASS IS ESTABLISHED, THE ENTIRE EXISTING FENCE SHALL BE DEMOLISHED AND RECYCLED INCLUDING THE BURIED CONCRETE POSTS. DURING DEMOLITION ACTIVITIES, CONTRACTOR SHALL TEMPORARILY REMOVE AND RELOCATE ALL COMPONENTS OF THE CHAIN LINK FENCE AND GATE INCLUDING CONCRETE POLE FOUNDATIONS. ALONG THE ROUTE SHOWN, REINSTALL MAIN ENTRANCE ELECTRIC SLIDING GATE AS A MANUALLY OPERATED GATE. MODIFY SLIDING GATE AS NECESSARY TO ALLOW MANUAL OPERATION.
- M** CONTRACTOR SHALL REMOVE SELECT FEATURES OF THE CONTROL HOUSE AND TURN OVER TO OWNER PER **A** 05-CD1.01
- N** UPON REMOVAL OF THE ABOVE GRADE COMPONENTS OF THE INFLUENT PUMP STATION, CONTRACTOR SHALL SAWCUT AND REMOVE A PORTION OF THE ELEVATED GROUND FLOOR CONCRETE SLAB TO ALLOW PLACEMENT AND COMPACTION OF BACKFILL MATERIAL WITHIN THE BASEMENT WHICH SHALL REMAIN. CONTRACTOR SHALL BACKFILL INFLUENT PUMP STATION BASEMENT WITH MATERIAL UP TO AN ELEVATION OF APPROXIMATELY 639. CONTRACTOR SHALL THEN REMOVE THE REMAINING ELEVATED GROUND FLOOR CONCRETE SLAB AND SAWCUT THE BASEMENT WALL AND COLUMNS AROUND THE BASEMENT PERIMETER AT ELEVATION 640 TO ALLOW CONCRETE REMOVAL WITHOUT DAMAGE TO THE REMAINING BASEMENT WALLS AND COLUMNS BELOW ELEVATION 640.
- P** OWNER HAS REMOVED TWO ELECTRICAL TRANSFORMERS FROM THIS AREA. CONTRACTOR SHALL REMOVE THE REMAINING ELECTRIC UTILITY BOX, AND CONCRETE FOUNDATIONS AND REMAINING UNDERGROUND CONDUCTORS.
- Q** REMOVE ENTIRELY ALL TREES AND BRUSH FROM WITHIN THE AREA OF THE SITE. TREES SHALL BE REMOVED PRIOR TO APRIL 15 OR AFTER SEPTEMBER 15.

Record Drawing Set (Year)	Structure	Top of Wall (Elevation)	Finished Floor	Demolition Note
1934	Trickling Filter No. 1	648.8±		1
1934	Trickling Filter No. 2	648.9±		1
1934	Trickling Filter No. 3	648.8±		1
1964	Trickling Filter No. 4	648.3±		1
1934	Primary Clarifier No. 1	652.5±		1
1934	Primary Clarifier No. 2	652.4±		1
1964	Primary Clarifier No. 3	652.9±		1
1934	Secondary Clarifier No. 1	647.0±		1
1964	Secondary Clarifier No. 2	646.8±		1
1987	Excess Flow Clarifier No. 1	655.1±		1
1987	Excess Flow Clarifier No. 2	655.1±		1
1987	Chlorine Contact Tank	645.1±		2 (635)
1964	Digester No. 1	663.0±		1
1964	Digester No. 2	663.0±		1
1971	Digester No. 3	663.0±		1
1987	Chemical Building		645.1±	1
1987	Filter Building		644.7±	2 (637)
1934	Control House		643.8±	1
1964	Primary Collection Box		647.7±	1
1964	Filter Head Box		647.7±	1
1964	Filter Collection Box		647.7±	1
1964	Diversion Box		649.0±	1
1987	Secondary Sludge Pump Station		646.7±	1
1964/1971	Digester Building		645.8±	1
1987	Diversion Control Structure		647.6±	1
1964/1987	Recycle Pump Station		647.8±	1
1987	Meter Chamber No. 1		645.1±	1
1987	Meter Chamber No. 2		644.8±	1
1987	Sec. Sludge Pump Station		658.0±	1
1987	Aerated Grit Chambers		660.0±	1
1997	Grit Dewatering Building		647.6±	1
N/A	Fire Dept. Training Building		644.0±	1
1964	Primary Clarifier Splitter Box		643.8±	1
1987	Influent Pump Station		645.2±	2 (640)
1997	Hold Tank Waste Pump Station		646.1±	1
N/A	Research Lab	N/A	N/A	1,3

- Demolition Notes:
- Remove entire structure. Contractor shall review record drawing set for structure depth and additional details.
  - Remove structure to elevation indicated.
  - Contractor shall assume remaining below ground top of reinforced concrete foundation walls exist at elevation 643± and that bottom of foundation footing exists at elevation 638±.

BMNO.	ELEVATION	DESCRIPTION
BM-1	649.04	CHISELED SQUARE ON CENTER MEDIAN OF HWY 6 BRIDGE (NOT SHOWN)
BM-2	647.63	CHISELED SQUARE
BM-3	649.04	CHISELED SQUARE
BM-4	643.62	CHISELED SQUARE ON INLET CAP ON WEST SIDE OF PLANT ENTRANCE

LEGEND:  
 DEMOLISH (REMOVE)

NO.	REVISIONS	DATE:
1	ISSUED FOR BIDDING	03/31/2015

**SITE DEMOLITION PLAN**  
 IOWA CITY WASTEWATER TREATMENT PLANT RELOCATION PROJECT  
 NORTH PLANT SALVAGE AND DEMOLITION PHASE  
 CITY OF IOWA CITY  
 JOHNSON COUNTY, IOWA

**JOB NO.**  
3604.004  
**PROJECT MGR.**  
BRADLEY J. LAKE



**SHEET**  
4  
**05-CD1.02**

Strand Comments: These are additional General Notes and Clarifications added by Addendum No. 1 to Sheet 4.

"8. There are two existing pipe outfalls not shown on Strand Sheet No. 4 that shall be demolished (removed). These two outfalls are located outside the fence line west of the Influent Pump Station. The first outfall consists of an abandoned 24 inch by 36 inch pipeline with a concrete headwall. The second outfall consists of a 21 inch diameter and a manhole structure.

Remove the concrete headwall and 20 lineal feet of the 24 inch by 36 inch pipeline heading westward. Abandon the remaining pipeline in accordance with Section 02050. Regrade the disturbed area to match the existing river bank contour and provide fill as necessary. Install geotextile fabric over the disturbed area in accordance with Section 02240. Install 1 foot deep rip rap over geotextile fabric in accordance with Section 02270. The work described above shall be similar to the work shown in Details D and E on Strand Sheet 9.

Remove the concrete/brick manhole and 20 lineal feet of the 21 inch pipeline heading westward. Abandon the remaining pipeline in accordance with Section 02050. Regrade the disturbed area to match the existing river bank contour and provide fill as necessary. Install geotextile fabric over the disturbed area in accordance with Section 02240. Install 1 foot deep rip rap over geotextile fabric in accordance with Section 02270. The work described above shall be similar to the work shown in Details D and E on Strand Sheet 9.

The work described above requires permitting. OWNER and OWNERS PROFESSIONAL CONSULTANT shall obtain the necessary permitting for the work described above. CONTRACTOR shall assume the demolition work described above shall not begin prior to June 15, 2015. The location of the two outfalls described above are generally shown on Sheet 1 of the OWNER's 1934 Record Drawing plan set."

"9. Remove the garbage, debris, broken glass, metal, plastic and all other material that would contaminate topsoil prior to stripping topsoil in accordance with Section 02110."

"10. Remove steel container training facility northwest of the Fire Dept Training Building along with the car in this area. There is no concrete foundation beneath the steel container training facility."

"11. Remove the new stainless steel equipment that is located at grade near the Equalization Basin No. 1. This piece of equipment is being stored outside at the location described above and was never used."

"12. The Fire Dept Training Building is currently being used by the ENVIRONMENTAL CONTRACTOR. When this building becomes available for demolition on May 30, 2015 in accordance with the Construction Sequence in Section 01010, CONTRACTOR shall remove all "miscellaneous hazardous materials" including compact fluorescent lights, ballasts and all other applicable items within this building and dispose of in accordance with federal, state and local safety practices and code requirements."

CLARIFICATION: The Report entitled "Asbestos Inspection at the Iowa City North Wastewater Treatment Plant" by Graves Environmental, Inc. of Moline, IL. is included as part of this Addendum. Based upon sampling results summarized in this report, lead based paint is present within the Control House (referred to as the Bldg 1 - Operations Building in this report), the Digester Building, and on metal pipe, railing and valves. This report also identifies Asbestos Containing Materials within the Control House and Digester Building. Subsequently, the OWNER hired a separate contractor to perform remediation work within these two structures as documented in the report currently included in the specifications entitled "Project Manager's Report - Asbestos Abatement and Hazardous Materials Removal Project at City of Iowa City North Wastewater Treatment Plant, January, 2015".

For precautionary purposes, CONTRACTOR shall demolish and landfill the entire Control House structure and entire Digester Building structure in lieu of mechanically crushing the building materials and reusing them as on-site backfill material as specified for all other structures in Section 02050 and Section 02222. CONTRACTOR shall sawcut the concrete connection between Digester Tanks No. 1, No. 2 and No. 3 and the Digester Building allowing the Digester Tanks to be demolished, mechanically crushed and reused as on-site backfill material as originally specified. CONTRACTOR shall note the select features of the Control House shall still be removed and turned over to OWNER as specified in Key Note 4 on Strand Sheet No. 4.

CONTRACTOR shall also demolish and landfill all painted metal and other painted surfaces including, but not limited to, the railing, bridges, stairs, platforms, equipment, piping, valves, gates, weirs, floor doors and all other painted metal within or on top of the following structures: primary clarifier splitter box, the Control House, primary clarifiers, primary collection box, filter head box, trickling filters, filter collection box, diversion box, secondary clarifiers, secondary sludge pump station, recycle pump station, diversion control structure, the Digester Building, and associated digesters.

CONTRACTOR shall assume the Iowa City Landfill will receive the waste stream described above. CONTRACTOR shall include all costs associated with landfilling in the LUMP SUM BID including, but not limited to, the hauling and tipping fees.

CONTRACTOR shall perform the demolition, and removal in conformity with applicable federal, state and local safety practices and code requirements as indicated in Section 02050.

CONTRACTOR shall calculate the projects recycling percentage as defined in Section 01740 with and without the mass of landfilled materials described above. Should the mass of material described above to be landfilled cause the recycling goal to fall below the specified 90 percent, CONTRACTOR shall not be held responsible for not meeting this goal. The recycling goal of 90 percent shall still be achieved by CONTRACTOR without taking into account the mass of landfilled material described above.

NO.	REVISIONS	DATE
1	ADDENDUM NO. 1	04/27/2015

**SITE  
STRUCTURE DEMOLITION**

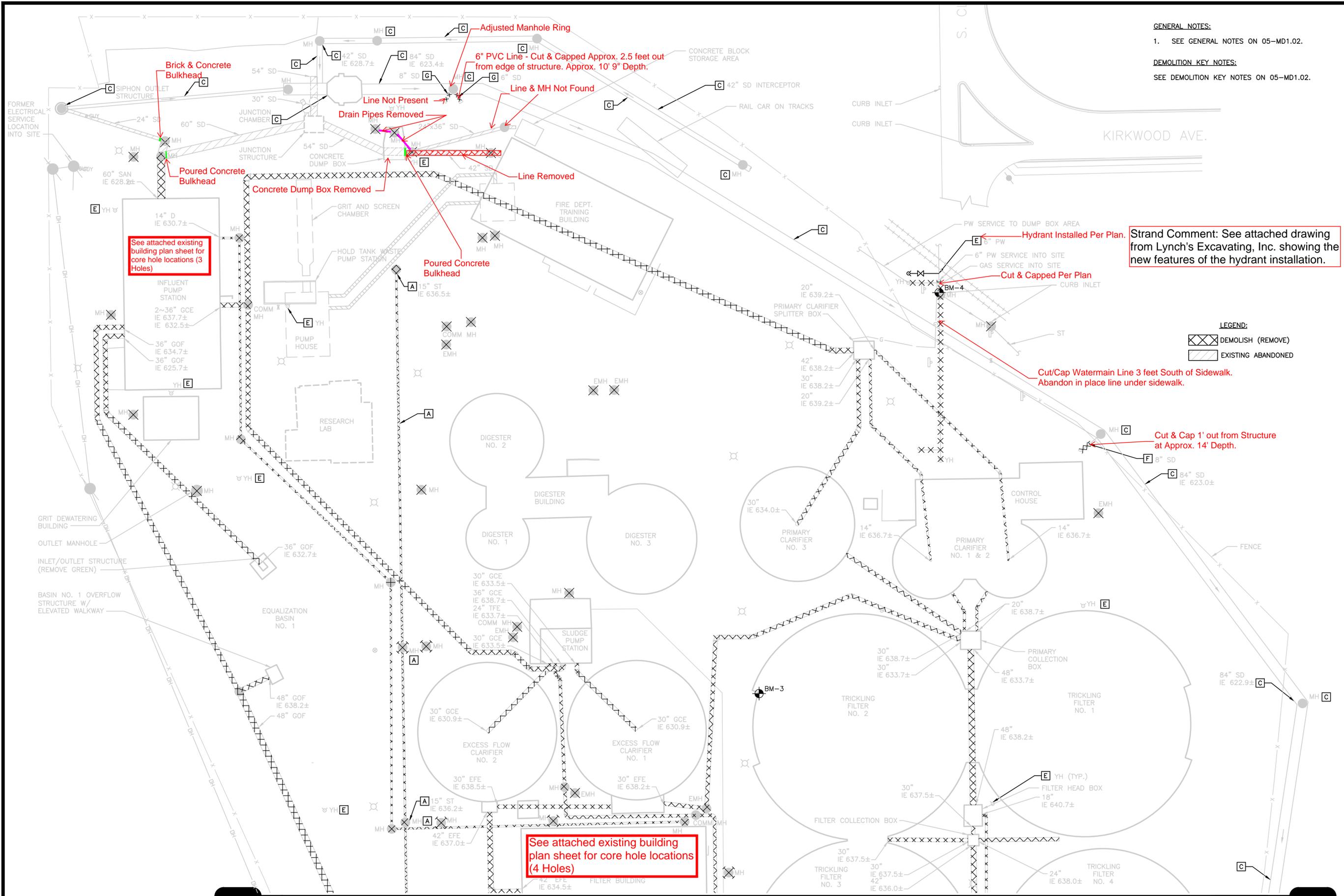
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**JOB NO.**  
3604.004

**PROJECT MGR.**  
BRADLEY J. LAKE



**SHEET**  
**4A**  
**05-CD1.02A**



**GENERAL NOTES:**  
 1. SEE GENERAL NOTES ON 05-MD1.02.

**DEMOLITION KEY NOTES:**  
 SEE DEMOLITION KEY NOTES ON 05-MD1.02.

**Strand Comment:** See attached drawing from Lynch's Excavating, Inc. showing the new features of the hydrant installation.

**LEGEND:**  
 [Hatched Box] DEMOLISH (REMOVE)  
 [Solid Line Box] EXISTING ABANDONED

NO.	ISSUED FOR BIDDING	REVISIONS	DATE
1			03/31/2015

**SITE DEMOLITION**  
**YARD PIPING DEMOLITION**  
**PLAN - 1**  
 IOWA CITY WASTEWATER TREATMENT PLANT RELOCATION PROJECT  
 NORTH PLANT SALVAGE AND DEMOLITION PHASE  
 CITY OF IOWA CITY  
 JOHNSON COUNTY, IOWA

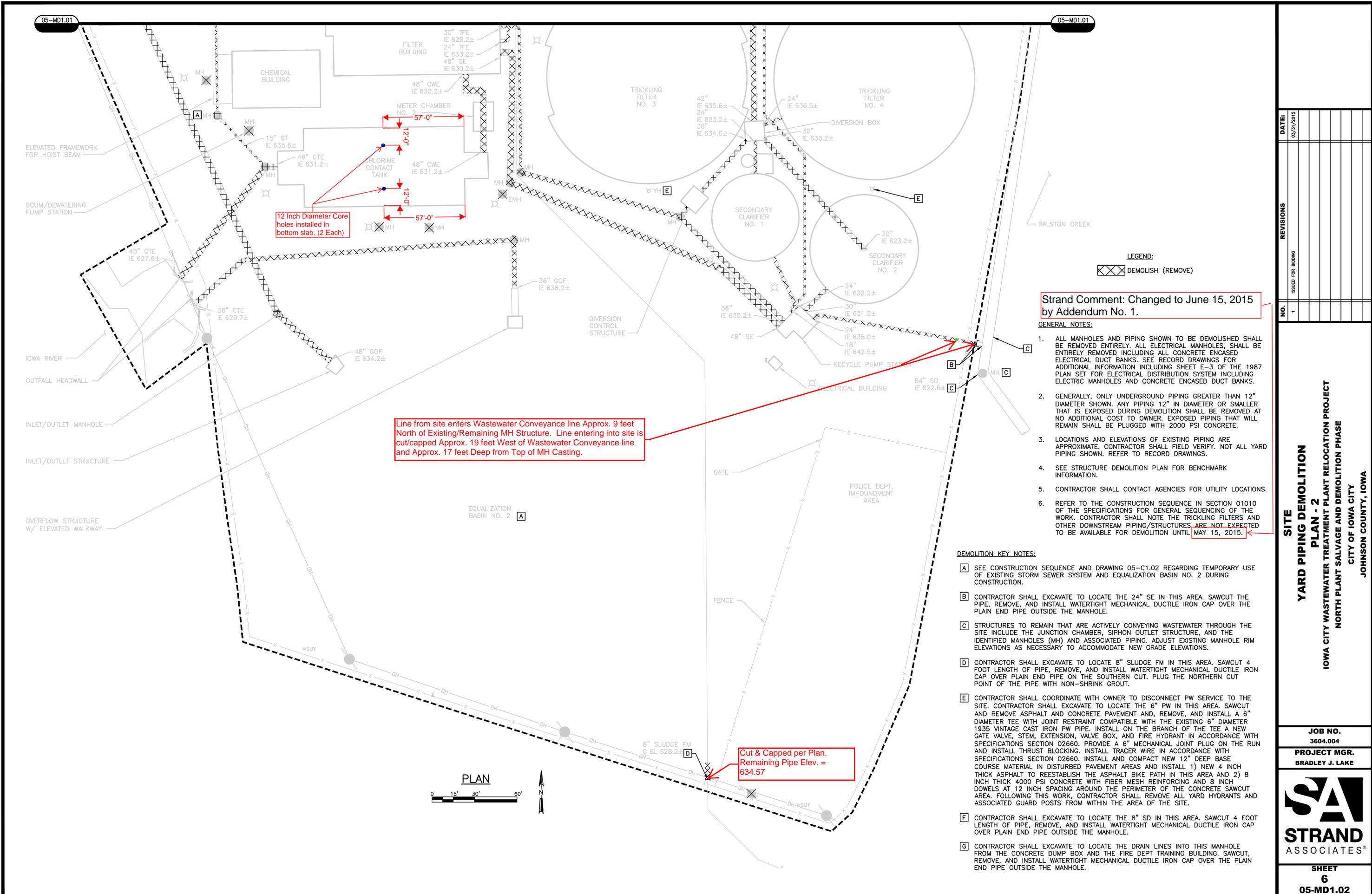
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**PROJECT MGR.**  
 BRADLEY J. LAKE



**SHEET**  
 5  
**05-MD1.01**





12 Inch Diameter Core holes installed in bottom slab. (2 Each)

Line from site enters Wastewater Conveyance line Approx. 9 feet North of Existing/Remaining MH Structure. Line entering into site is cut/capped Approx. 19 feet West of Wastewater Conveyance line and Approx. 17 feet Deep from Top of MH Casting.

Cut & Capped per Plan. Remaining Pipe Elev. = 634.57

Strand Comment: Changed to June 15, 2015 by Addendum No. 1.

- GENERAL NOTES:**
- ALL MANHOLES AND PIPING SHOWN TO BE DEMOLISHED SHALL BE REMOVED ENTIRELY. ALL ELECTRICAL MANHOLES, SHALL BE ENTIRELY REMOVED INCLUDING ALL CONCRETE ENCASED ELECTRICAL DUCT BANKS. SEE RECORD DRAWINGS FOR ADDITIONAL INFORMATION INCLUDING SHEET E-3 OF THE 1987 PLAN SET FOR ELECTRICAL DISTRIBUTION SYSTEM INCLUDING ELECTRIC MANHOLES AND CONCRETE ENCASED DUCT BANKS.
  - GENERALLY, ONLY UNDERGROUND PIPING GREATER THAN 12" DIAMETER SHOWN. ANY PIPING 12" IN DIAMETER OR SMALLER THAT IS EXPOSED DURING DEMOLITION SHALL BE REMOVED AT NO ADDITIONAL COST TO OWNER. EXPOSED PIPING THAT WILL REMAIN SHALL BE PLUGGED WITH 2000 PSI CONCRETE.
  - LOCATIONS AND ELEVATIONS OF EXISTING PIPING ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY. NOT ALL YARD PIPING SHOWN. REFER TO RECORD DRAWINGS.
  - SEE STRUCTURE DEMOLITION PLAN FOR BENCHMARK INFORMATION.
  - CONTRACTOR SHALL CONTACT AGENCIES FOR UTILITY LOCATIONS.
  - REFER TO THE CONSTRUCTION SEQUENCE IN SECTION 01010 OF THE SPECIFICATIONS FOR GENERAL SEQUENCING OF THE WORK. CONTRACTOR SHALL NOTE THE TRICKLING FILTERS AND OTHER DOWNSTREAM PIPING/STRUCTURES ARE NOT EXPECTED TO BE AVAILABLE FOR DEMOLITION UNTIL MAY 15, 2015.

- DEMOLITION KEY NOTES:**
- [A] SEE CONSTRUCTION SEQUENCE AND DRAWING 05-C1.02 REGARDING TEMPORARY USE OF EXISTING STORM SEWER SYSTEM AND EQUALIZATION BASIN NO. 2 DURING CONSTRUCTION.
  - [B] CONTRACTOR SHALL EXCAVATE TO LOCATE THE 24" SE IN THIS AREA. SAWCUT THE PIPE, REMOVE, AND INSTALL WATERTIGHT MECHANICAL DUCTILE IRON CAP OVER THE PLAIN END PIPE OUTSIDE THE MANHOLE.
  - [C] STRUCTURES TO REMAIN THAT ARE ACTIVELY CONVEYING WASTEWATER THROUGH THE SITE INCLUDE THE JUNCTION CHAMBER, SIPHON OUTLET STRUCTURE, AND THE IDENTIFIED MANHOLES (MH) AND ASSOCIATED PIPING. ADJUST EXISTING MANHOLE RIM ELEVATIONS AS NECESSARY TO ACCOMMODATE NEW GRADE ELEVATIONS.
  - [D] CONTRACTOR SHALL EXCAVATE TO LOCATE 8" SLUDGE FM IN THIS AREA. SAWCUT 4 FOOT LENGTH OF PIPE, REMOVE, AND INSTALL WATERTIGHT MECHANICAL DUCTILE IRON CAP OVER PLAIN END PIPE ON THE SOUTHERN CUT. PLUG THE NORTHERN CUT POINT OF THE PIPE WITH NON-SHRINK GROUT.
  - [E] CONTRACTOR SHALL COORDINATE WITH OWNER TO DISCONNECT PW SERVICE TO THE SITE. CONTRACTOR SHALL EXCAVATE TO LOCATE THE 6" PW IN THIS AREA. SAWCUT AND REMOVE ASPHALT AND CONCRETE PAVEMENT AND, REMOVE, AND INSTALL A 6" DIAMETER TEE WITH JOINT RESTRAINT COMPATIBLE WITH THE EXISTING 6" DIAMETER 1935 VINTAGE CAST IRON PW PIPE. INSTALL ON THE BRANCH OF THE TEE A NEW GATE VALVE, STEM, EXTENSION, VALVE BOX, AND FIRE HYDRANT IN ACCORDANCE WITH SPECIFICATIONS SECTION 02660. PROVIDE A 6" MECHANICAL JOINT PLUG ON THE RUN AND INSTALL THRUST BLOCKING. INSTALL TRACER WIRE IN ACCORDANCE WITH SPECIFICATIONS SECTION 02660. INSTALL AND COMPACT NEW 12" DEEP BASE COURSE MATERIAL IN DISTURBED PAVEMENT AREAS AND INSTALL 1) NEW 4 INCH THICK ASPHALT TO REESTABLISH THE ASPHALT BIKE PATH IN THIS AREA AND 2) 8 INCH THICK 4000 PSI CONCRETE WITH FIBER MESH REINFORCING AND 8 INCH DOWELS AT 12 INCH SPACING AROUND THE PERIMETER OF THE CONCRETE SAWCUT AREA. FOLLOWING THIS WORK, CONTRACTOR SHALL REMOVE ALL YARD HYDRANTS AND ASSOCIATED GUARD POSTS FROM WITHIN THE AREA OF THE SITE.
  - [F] CONTRACTOR SHALL EXCAVATE TO LOCATE THE 8" SD IN THIS AREA. SAWCUT 4 FOOT LENGTH OF PIPE, REMOVE, AND INSTALL WATERTIGHT MECHANICAL DUCTILE IRON CAP OVER PLAIN END PIPE OUTSIDE THE MANHOLE.
  - [G] CONTRACTOR SHALL EXCAVATE TO LOCATE THE DRAIN LINES INTO THIS MANHOLE FROM THE CONCRETE DUMP BOX AND THE FIRE DEPT TRAINING BUILDING. SAWCUT, REMOVE, AND INSTALL WATERTIGHT MECHANICAL DUCTILE IRON CAP OVER THE PLAIN END PIPE OUTSIDE THE MANHOLE.

NO.	REVISIONS	DATE
1	ISSUED FOR BIDDING	03/31/2015

**SITE  
YARD PIPING DEMOLITION  
PLAN - 2  
IOWA CITY WASTEWATER TREATMENT PLANT RELOCATION PROJECT  
NORTH PLANT SALVAGE AND DEMOLITION PHASE  
CITY OF IOWA CITY  
JOHNSON COUNTY, IOWA**

**JOB NO.**  
3604.004  
**PROJECT MGR.**  
BRADLEY J. LAKE



**SHEET**  
6  
**05-MD1.02**

See attached Control House Stone Salvage Key for Reassembly Map if Needed.

Strand Comment: The new ground contours were modified in this area to match existing grade at fenceline.

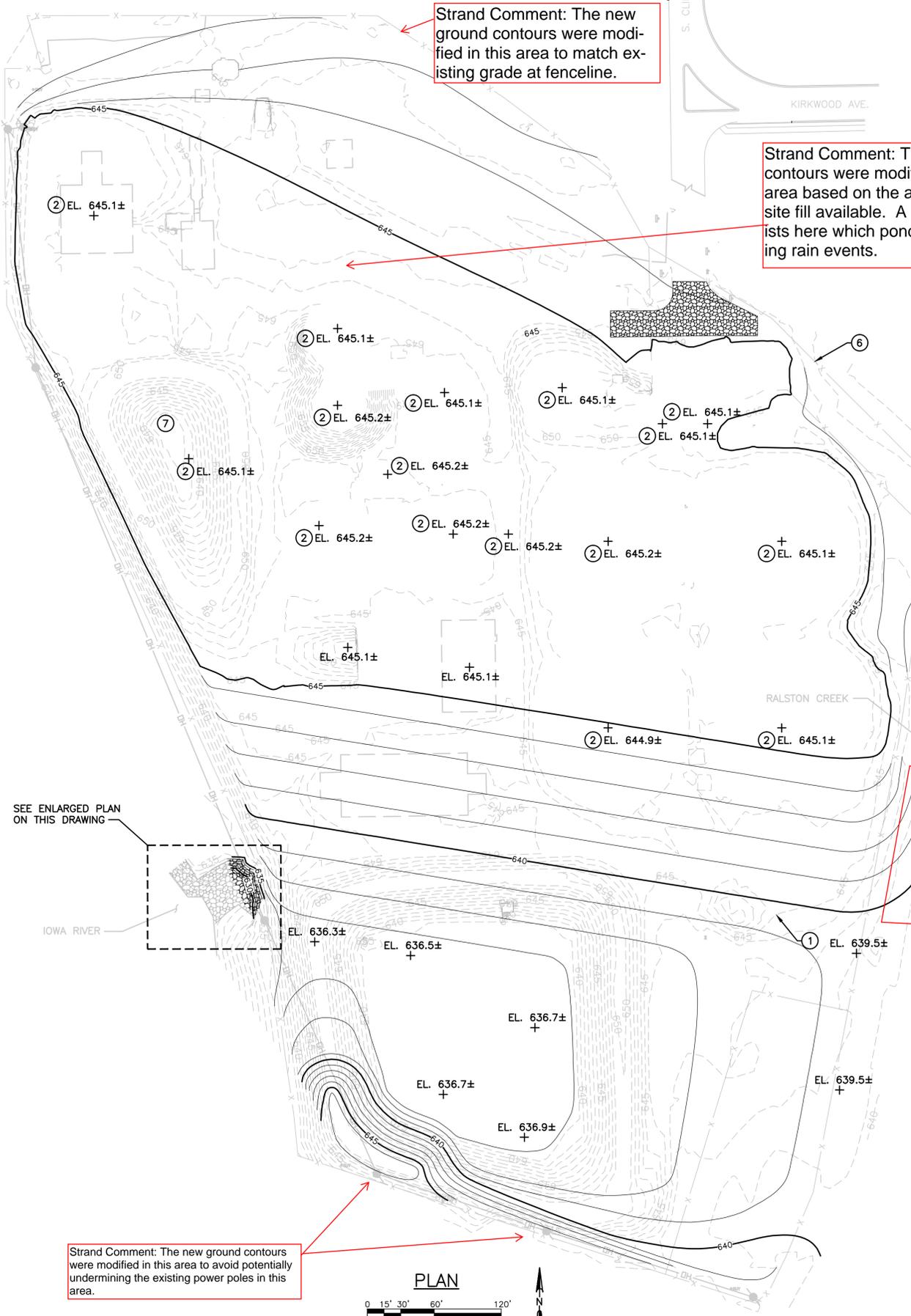
Strand Comment: The new ground contours were modified in this area based on the amount of on-site fill available. A low area exists here which ponds water during rain events.

Strand Comment: The new ground contours were eliminated in this area to avoid damage to the bike path located in this area.

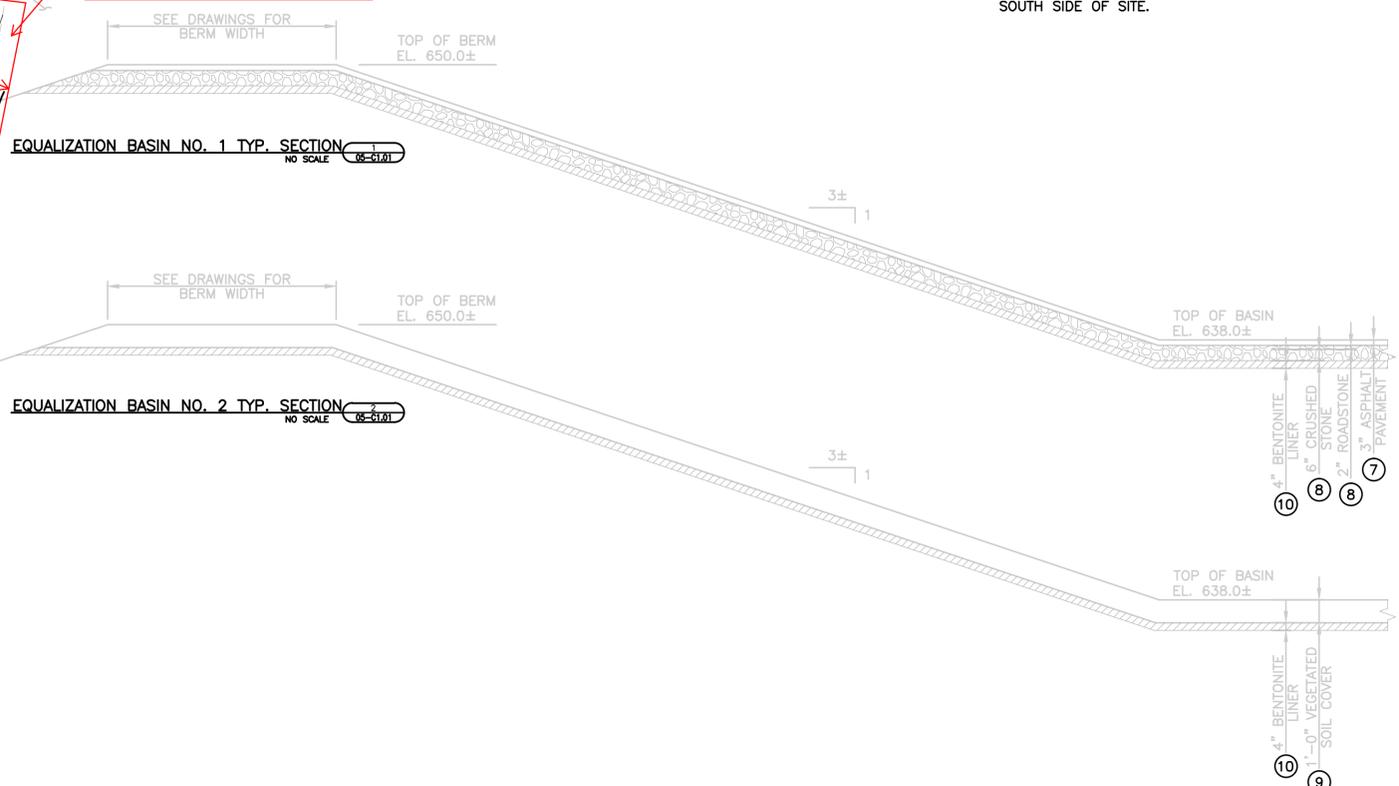
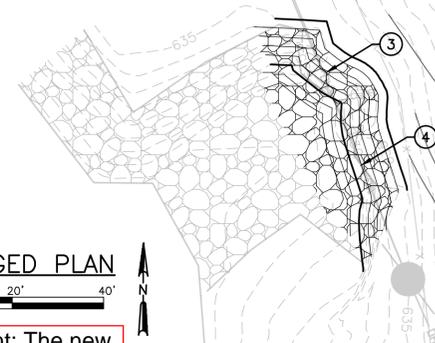
Strand Comment: The new ground contours were modified in this area to avoid potentially undermining the existing power poles in this area.



**A CONTROL HOUSE**  
05-C1.01  
NO SCALE



**ENLARGED PLAN**  
0 5' 10' 20' 40'  
N



- GENERAL NOTES:**
- ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). EXISTING OWNER RECORD DRAWING ELEVATIONS (WHICH ARE BASED ON DATUM ELEVATIONS GENERALLY RANGING FROM 30 TO 100 FEET) DIFFER FROM NAVD88 ELEVATIONS BY APPROXIMATELY 588.19 FT (RECORD DRAWING DATUM ELEVATION + 588.19 FT = NAVD ELEVATION)
- KEY NOTES:**
- ORIGINAL APPROXIMATE 100 YEAR FLOODPLAIN ELEVATION FROM FEMA FLOOD INSURANCE RATE MAP AT 645.0±.
  - APPROXIMATE FINAL GRADE BASED ON REUSE OF ALL IDENTIFIED CONSTRUCTION DEBRIS AS ON-SITE FILL AND BACKFILL MATERIAL AND REGRADING SITE AS SHOWN. CONTRACTOR SHALL ASSUME NO FILL OR BACKFILL MATERIAL SHALL BE HAULED IN FROM OFF-SITE TO OBTAIN THE NEW GROUND ELEVATIONS SHOWN. FINAL SITE ELEVATIONS ABOVE 645.0 SHALL BE MODIFIED AS NECESSARY BY CONTRACTOR BASED ON ACTUAL FILL AND BACKFILL MATERIAL AVAILABLE FROM ON-SITE ACTIVITIES. AT COMPLETION OF DEMOLITION AND SITE GRADING/SEEDING ACTIVITIES, OWNER SHALL CONDUCT SITE SURVEY WITHIN THE REGRADED AREA TO ESTABLISH ACTUAL FINAL ELEVATIONS ACHIEVED FOR USE IN PLANNING AND DESIGN OF FUTURE USES OF THIS SITE.
  - SEE DETAIL **D 99-CD5.01** FOR PROFILE AT LOCATION OF REMOVED HEADWALL.
  - SEE DETAIL **E 99-CD5.01** FOR PROFILE AT LOCATION OF REMOVED HEADWALL.
  - CONTRACTOR SHALL REMOVE INTACT AND UNDAMAGED THE IDENTIFIED PRECAST CONCRETE STRUCTURES, WINDOW ABOVE DOUBLE DOOR, DOORS (2), AND LIGHT FIXTURES FROM THE CONTROL HOUSE. CONTRACTOR SHALL TRANSPORT AND UNLOAD COMPONENTS TO THE IOWA CITY SOUTH WASTEWATER TREATMENT PLANT.
  - EXISTING FENCE IS SPECIFIED TO BE ENTIRELY REMOVED AT COMPLETION OF PROJECT BUT REMAINS SHOWN ON THIS SHEET AS A REFERENCE.
  - SEE DEMOLITION KEY NOTE A ON DRAWING 05-CD1.01.
  - AFTER ASPHALT PAVEMENT IS REMOVED WITHIN EQUALIZATION BASIN NO. 1, REMOVE CRUSHED MATERIAL TO A DEPTH OF 8 INCHES IN EQUALIZATION BASIN NO. 1 INCLUDING THE TOP OF BERM AND REUSE AS BACKFILL MATERIAL.
  - REMOVE VEGETATED SOIL COVER TO A DEPTH OF 12 INCHES IN EQUALIZATION BASIN NO. 2 INCLUDING THE TOP OF BERM, THOROUGHLY MIX WITH THE OTHER STRIPPED TOPSOIL FROM SITE, AND REUSE AS TOPSOIL.
  - BENTONITE CLAY LINER IN BOTH EQUALIZATION BASIN NO. 1 AND NO. 2 INCLUDING THE TOP OF BERM SHALL BE EXCAVATED AND REUSED AS FILL MATERIAL WITHIN THE NEW BERMED AREA ON THE SOUTH SIDE OF SITE.

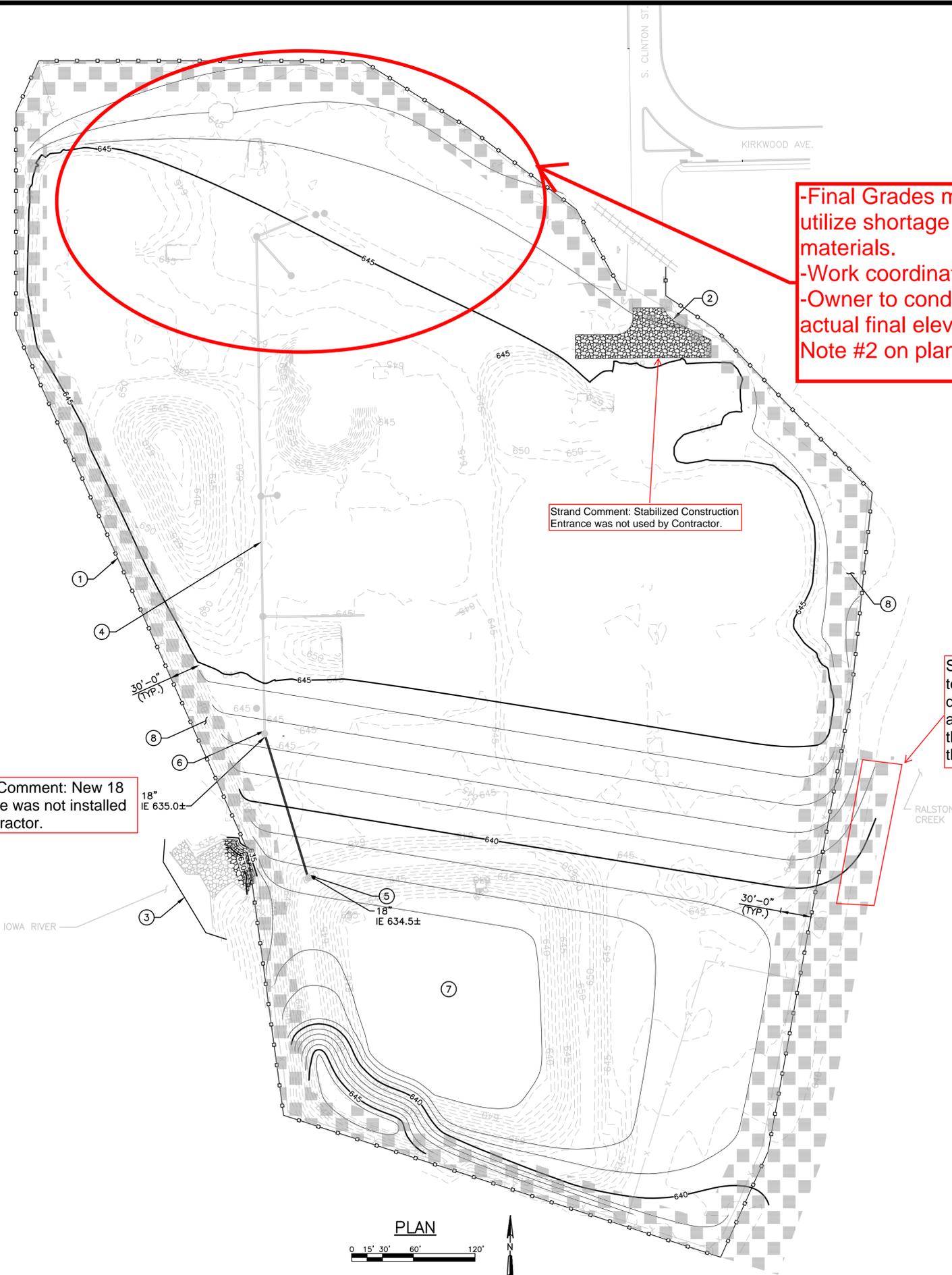
NO.	ISSUED FOR BIDDING	REVISIONS	DATE
1			03/31/2015

**SITE**  
**INTERIM GRADING PLAN**  
IOWA CITY WASTEWATER TREATMENT PLANT RELOCATION PROJECT  
NORTH PLANT SALVAGE AND DEMOLITION PHASE  
CITY OF IOWA CITY  
JOHNSON COUNTY, IOWA

**JOB NO.**  
3604.004  
**PROJECT MGR.**  
BRADLEY J. LAKE



**SHEET**  
7  
05-C1.01



-Final Grades modified slightly in order to utilize shortage of available on-site recycled materials.  
 -Work coordinated with owner on-site.  
 -Owner to conduct site survey to establish actual final elevations achieved per Key Note #2 on plan sheet 7.

Strand Comment: Stabilized Construction Entrance was not used by Contractor.

Strand Comment: New 18 inch pipe was not installed by Contractor.

Strand Comment: The new ground contours were eliminated in this area to avoid damage to the bike path located in this area. The Erosion Control Mat shown in this area was relocated to other areas of the site.

**SEDIMENTATION AND EROSION CONTROL NOTES:**

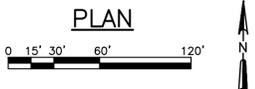
1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
3. ALL DISTURBED AREAS NOT INTENDED TO BE WORKED ON FOR 14 DAYS SHALL BE TEMPORARILY STABILIZED WITHIN 7 DAYS OF THE LAST ACTIVITY.
4. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
5. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.
6. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
8. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED.
9. A STABILIZED CONSTRUCTION ENTRANCE OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
10. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF JOHNSON COUNTY.
11. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
12. THE EROSION CONTROL MEASURES INDICATED ON THE DRAWINGS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS REQUESTED BY THE ENGINEER OR GOVERNING AGENCY.
13. PROVIDE CONSTRUCTION INLET PROTECTION AT ALL EXISTING INLETS ON SITE AND WITHIN THE IMMEDIATE AREA SURROUNDING THE SITE WITH CATCH ALL DRAIN SYSTEM INLET PROTECTION AS MANUFACTURED BY PRICE AND COMPANY, OR EQUAL.
14. WHERE SEDIMENT HAS BEEN TRACKED-OUT FROM THE SITE ONTO THE SURFACE OF OFF-SITE STREETS, OTHER PAVED AREAS, AND SIDEWALKS, CONTRACTOR SHALL REMOVE THE DEPOSITED SEDIMENT BY THE END OF THE SAME WORK DAY IN WHICH THE TRACK-OUT OCCURS OR BY THE END OF THE NEXT WORK DAY IF TRACK-OUT OCCURS ON A NON-WORK DAY. CONTRACTOR MUST REMOVE THE TRACK-OUT BY SWEEPING, SHOVELING, OR VACUUMING THESE SURFACES, OR BY USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL. CONTRACTOR IS PROHIBITED FROM HOSING OR SWEEPING TRACKED-OUT SEDIMENT INTO ANY STORMWATER CONVEYANCE (UNLESS IT IS CONNECTED TO A SEDIMENT BASIN, SEDIMENT TRAP, OR SIMILARLY EFFECTIVE CONTROL), STORM DRAIN INLET, OR SURFACE WATER.

**KEY NOTES:**

- ① SILT FENCE. SEE DETAIL **C** 99-CD5.01.
- ② STABILIZED CONSTRUCTION ENTRANCE. SEE DETAIL **A** 99-CD5.01.
- ③ SILT SCREEN. SEE DETAIL **F** 99-CD5.01.
- ④ EXISTING STORM SEWER SYSTEM TO BE USED TO CONVEY STORMWATER TO TEMPORARY SEDIMENT BASIN. PROVIDE 18" PVC PIPE TO TEMPORARILY CONNECT MANHOLES AS SHOWN.
- ⑤ PREPARE EXISTING 48" PIPE OPENING ENTERING THIS MANHOLE TO RECEIVE THE NEW TEMPORARY 18" STORM PIPELINE BEING INSTALLED. SEAL 18" PIPE ENTERING MANHOLE WITH STRUCTURAL 4,000 PSI CONCRETE..
- ⑥ PLUG 15" PIPE TO SOUTHEAST EXITING MANHOLE.
- ⑦ EXISTING EQUALIZATION BASIN NO. 2 TO BE USED AS TEMPORARY SEDIMENTATION BASIN DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL EXCAVATE AS NECESSARY UP TO SIX HOLES IN THE BOTTOM OF THIS EQUALIZATION BASIN A MINIMUM OF 24 INCHES DEEP TO ALLOW INFILTRATION OF STORMWATER ENTERING THIS BASIN. CONTRACTOR SHALL MAINTAIN TEMPORARY INFILTRATION BASIN DURING CONSTRUCTION. CONTRACTOR SHALL DEMOLISH THE TEMPORARY INFILTRATION BASIN, STORM MANHOLES, AND PIPING ONCE THE STRUCTURES AND PAVEMENT HAVE BEEN DEMOLISHED AND REGRADE SITE AS SHOWN.
- ⑧ INSTALL EROSION CONTROL MAT (ROLLED EROSION CONTROL PRODUCT) 30 FOOT WIDE ON THE INSIDE PERIMETER OF THE EXISTING FENCE. ALL OTHER AREA WITHIN THE AREA OF THE SITE SHALL RECEIVE EROSION CONTROL MULCH. PROVIDE SEED MIX AND FERTILIZER IN ACCORDANCE WITH SPECIFICATION SECTION 02936.

**LEGEND:**

- EROSION CONTROL MAT
- RIP RAP



NO.	REVISIONS	DATE
1	ISSUED FOR BIDDING	03/31/2015

**SITE EROSION CONTROL PLAN**  
 IOWA CITY WASTEWATER TREATMENT PLANT RELOCATION PROJECT  
 NORTH PLANT SALVAGE AND DEMOLITION PHASE  
 CITY OF IOWA CITY  
 JOHNSON COUNTY, IOWA

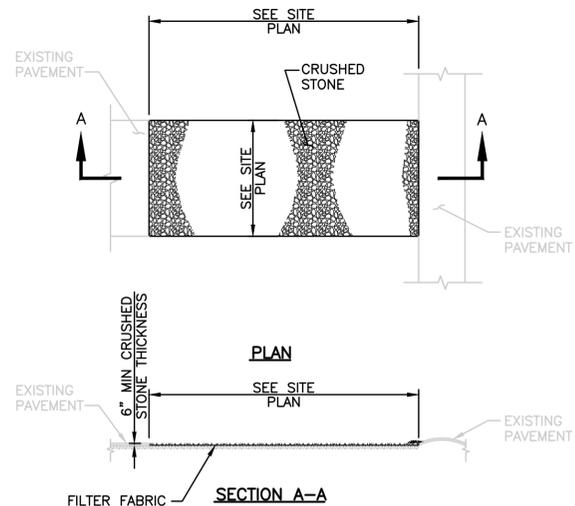
**JOB NO.**  
 3604.004  
**PROJECT MGR.**  
 BRADLEY J. LAKE



**SHEET**  
 8  
**05-C-1.02**

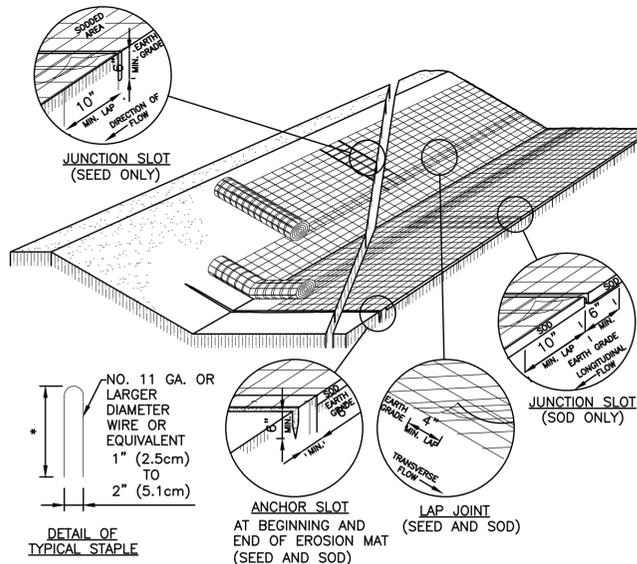
**NOTES:**

1. FILTER FABRIC FOR GROUND STABILIZATION SHALL MEET THE REQUIREMENTS OF SUDAS STANDARD SPECIFICATIONS, AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO PLACING ROCK.



**A** STABILIZED CONSTRUCTION ENTRANCE PLAN  
99-CD5.01 NO SCALE

No Record Drawing  
Comments by Veit for this  
Sheet!



**B** EROSION MAT  
99-CD5.01 NO SCALE

**NOTES:**

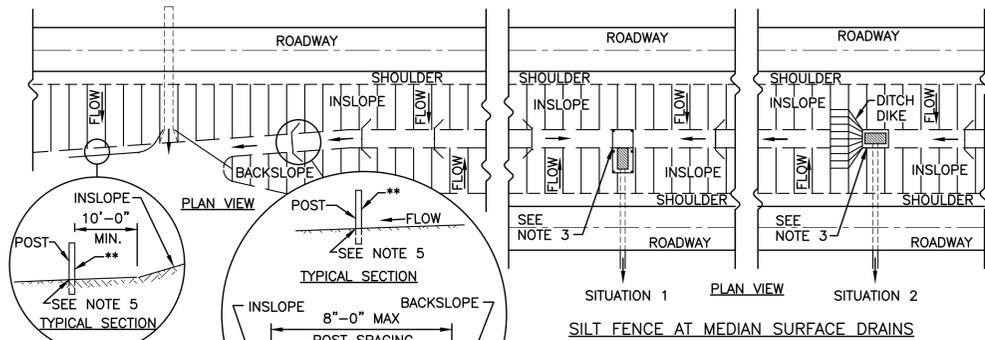
1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.
2. VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH.
3. LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.
4. JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.
5. EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.
6. EROSION MAT SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

**EROSION MAT OVER SOD**

- ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.
- FLOOD STAKES FOR SOD MAY BE OMITTED IF THE EXISTING SLOPE AND SOIL CONDITIONS SO PERMIT.
- THE WIDTH OF EROSION MAT SHALL ALWAYS EQUAL THE SOD WIDTH.
- SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF THE DITCH.

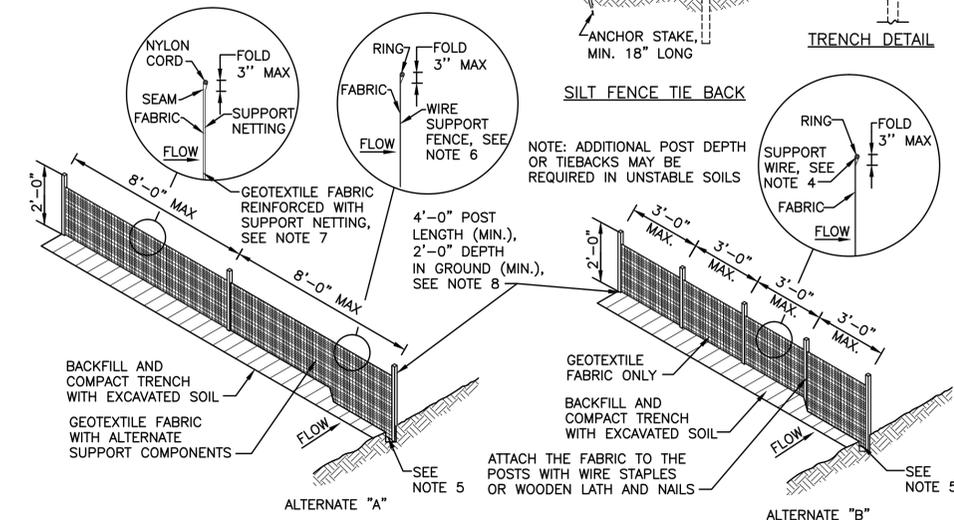
**EROSION MAT OVER SEEDING**

- JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET ON GRADES EXCEEDING 3 PERCENT.



\* 20' FOR NORMAL 10' DITCH  
\*\* GEOTEXTILE FABRIC SIDE

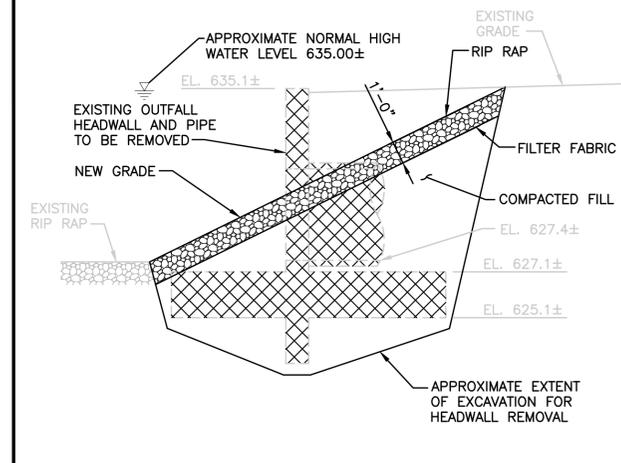
**TYPICAL APPLICATIONS OF SILT FENCE**



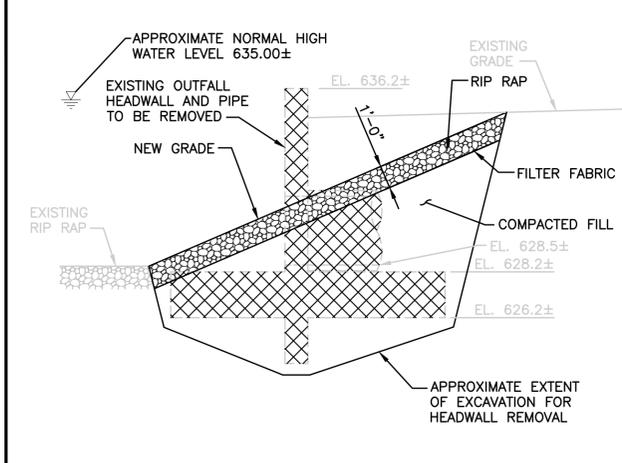
**C** SILT FENCE  
99-CD5.01 NO SCALE

**NOTES:**

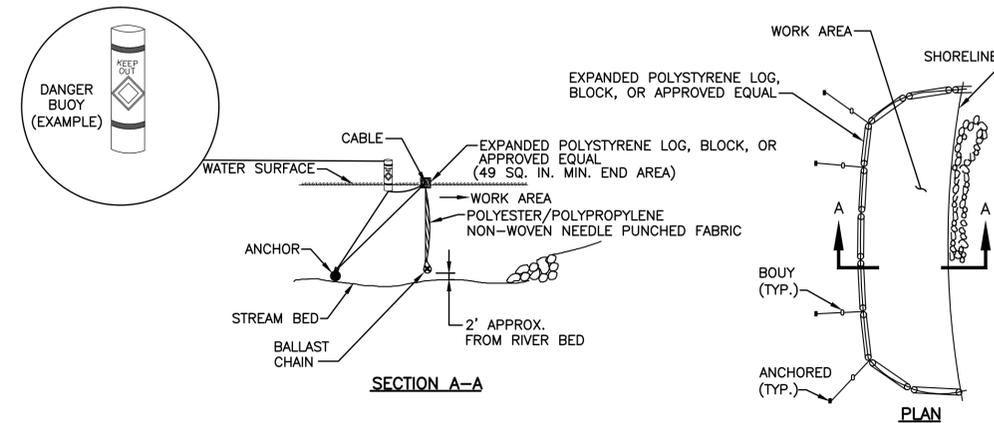
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
2. WHEN POSSIBLE THE SILT FENCE SHALL BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.
3. CROSS BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
4. MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.
5. EXCAVATE TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AN ANCHOR THE GEOTEXTILE FABRIC, FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
6. WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C TO C.
7. GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 1/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
8. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.2 LBS./LINEAR FOOT WITHOUT ANCHORS, OR ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIAMETER, OR 2 1/2"x3 1/2", EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1 1/8"x1 1/8" OAK OR HICKORY.
9. ALTERNATES "A" AND "B" ARE EQUAL AND EITHER MAY BE USED.



**D** DETAIL  
99-CD5.01 NO SCALE



**E** DETAIL  
99-CD5.01 NO SCALE



**F** SILT SCREEN DETAIL  
99-CD5.01 NO SCALE

DATE:	03/31/2015
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NO.	1
REVISIONS	

**CIVIL SCHEDULES AND DETAILS**  
IOWA CITY WASTEWATER TREATMENT PLANT RELOCATION PROJECT  
NORTH PLANT SALVAGE AND DEMOLITION PHASE  
CITY OF IOWA CITY  
JOHNSON COUNTY, IOWA

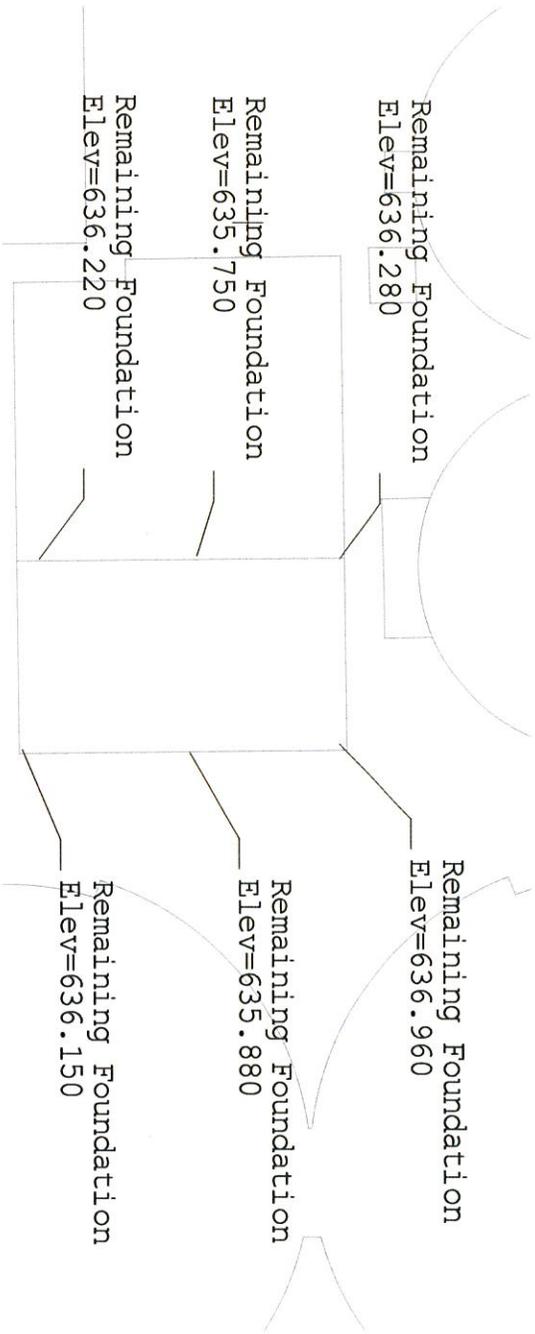
**JOB NO.**  
3604.004  
**PROJECT MGR.**  
BRADLEY J. LAKE



**SHEET**  
9  
**99-CD5.01**

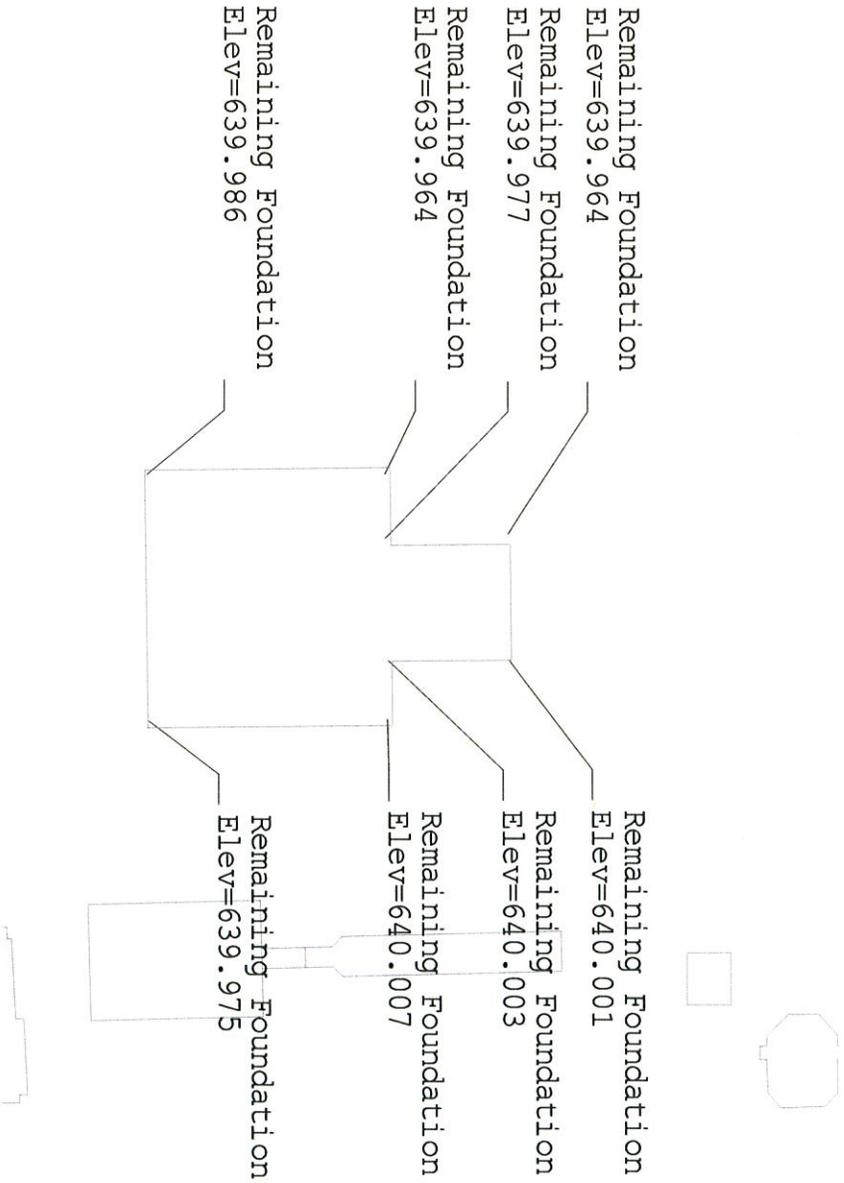


# Filter BLDG



<p>SHEET NO. 1</p>	<p><b>VEIT</b></p>	<p>Former Iowa City WWTP</p>	<p>DATE: _____</p>	<p>REV. NO. _____</p>	<p>DATE _____</p>	<p>DESCRIPTION _____</p>
			<p>DESIGN BY: _____</p>	<p>DRAWN BY: _____</p>	<p>CHECKED BY: _____</p>	<p>DWG FILE: _____</p>

# Influent BLDG



SHEET NO. 1

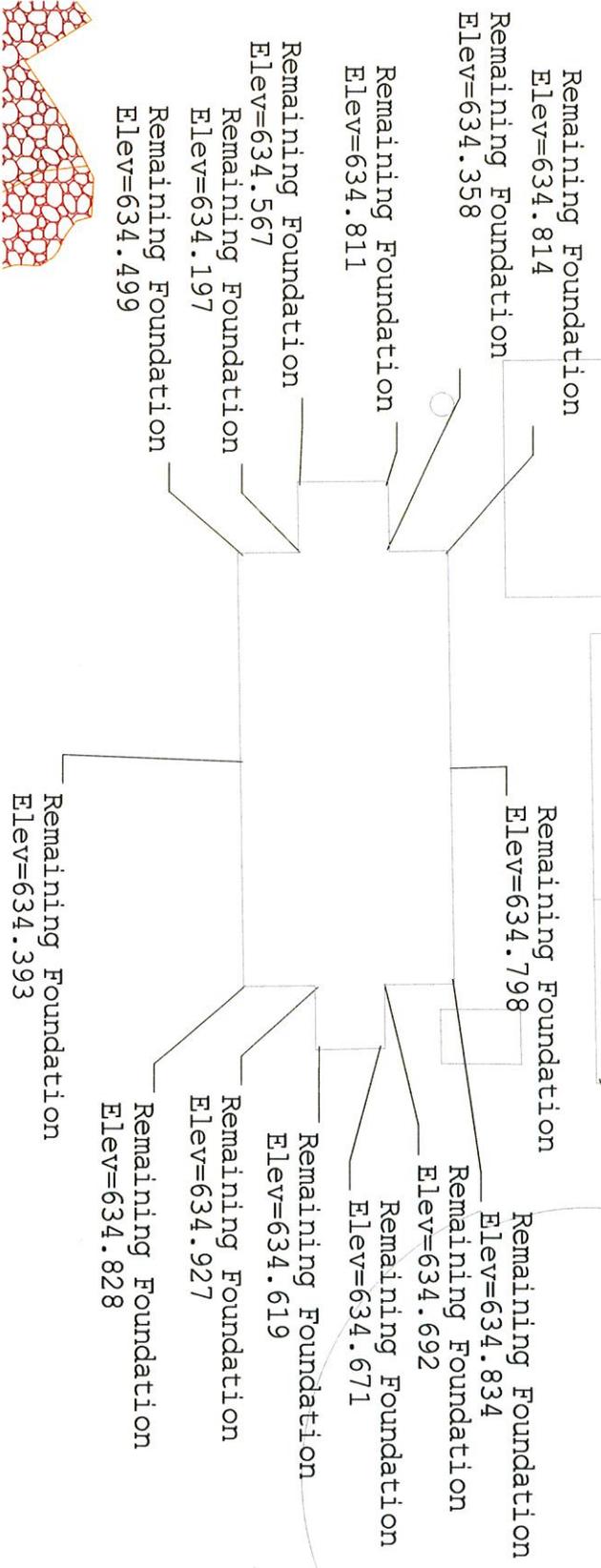
**VEIT**

Former Iowa City  
WWTP

REV NO.	DATE	DESCRIPTION

DATE: \_\_\_\_\_  
 DESIGN BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DWG FILE: \_\_\_\_\_  
 FILE NO.: J00000X

# Chlorine BLDG



REV NO.	DATE	DESCRIPTION

DATE: \_\_\_\_\_  
 DESIGN BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DWG FILE: \_\_\_\_\_  
 FILE NO.: XXXXXXXX

Former Iowa City  
WWTP

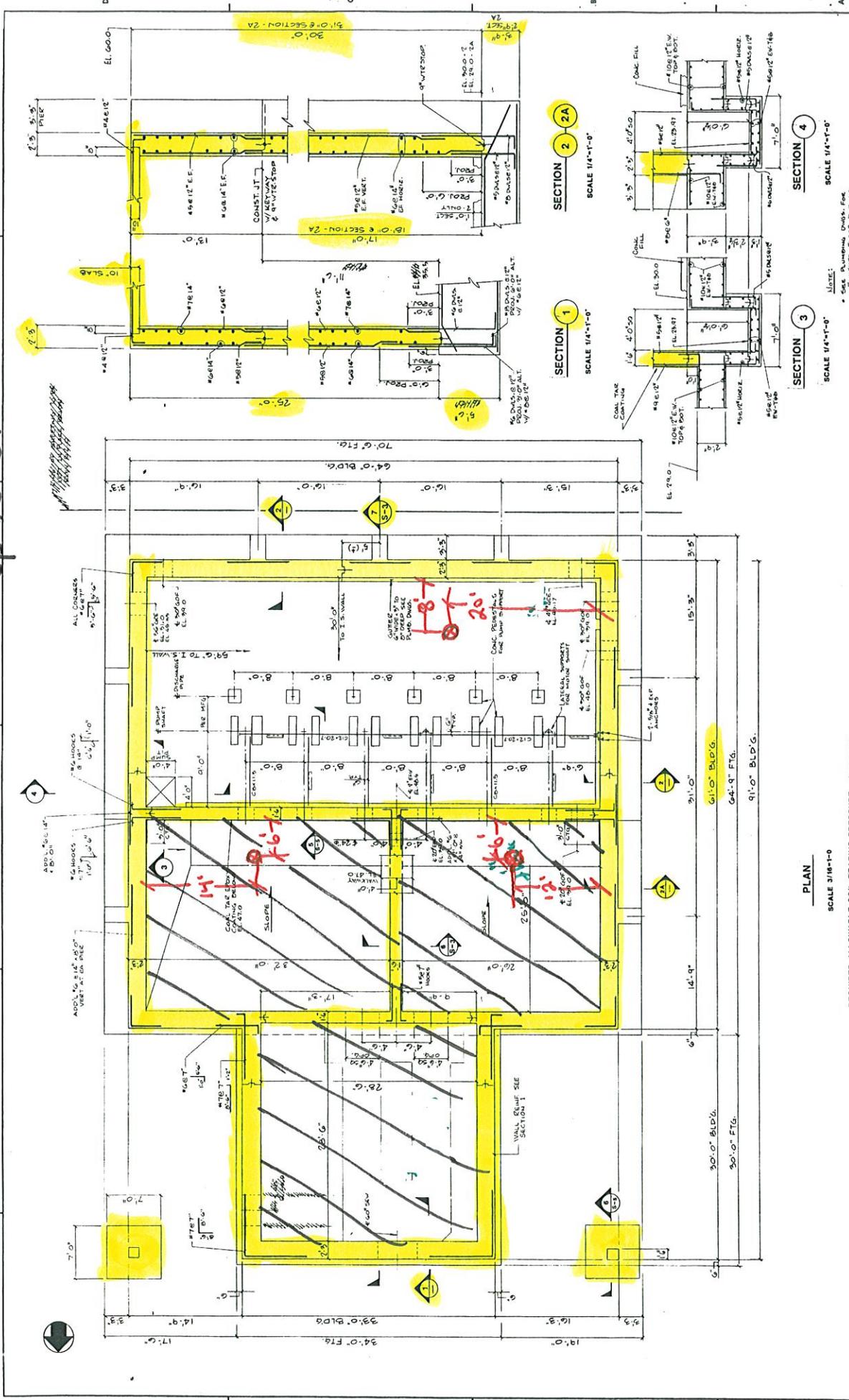
**VEIT**

SHEET NO.	1
TOTAL SHEETS	1



"Anti-Flotation Ballast" per Shown.  
 = Approx. 6' Layer from elevation 634 up to 640

Influent Pump Station  
 ⊗ = 1' ∅ coreholes (3EA)

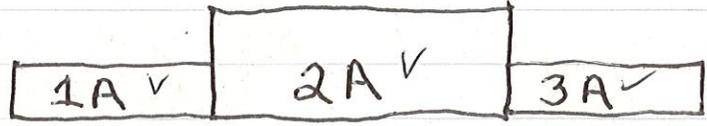


<p>REQUIRED ALLOWABLE SOIL BEARING PRESSURE = 2500 P.S.I.          SCALE 3/16"=1'-0"</p>		<p>SCALE: AS NOTED</p>		<p>CITY OF IOWA CITY, IOWA          NORTH EXCESS FLOW AND WASTEWATER TREATMENT FACILITIES          INFLENT PUMP STATION          LOWER PLAN AND SECTIONS</p>		<p>DATE: 8/1/07          SHEET: S-1</p>	
<p>DESIGNED BY: G.M. TEALCROFT</p>		<p>SCALE: AS NOTED</p>		<p>PROJECT: NORTH EXCESS FLOW AND WASTEWATER TREATMENT FACILITIES          INFLENT PUMP STATION</p>		<p>DATE: 8/1/07</p>	
<p>CHECKED BY: J. M. ALLEN</p>		<p>SCALE: AS NOTED</p>		<p>PROJECT: NORTH EXCESS FLOW AND WASTEWATER TREATMENT FACILITIES          INFLENT PUMP STATION</p>		<p>DATE: 8/1/07</p>	
<p>DATE: 8/1/07</p>		<p>SCALE: AS NOTED</p>		<p>PROJECT: NORTH EXCESS FLOW AND WASTEWATER TREATMENT FACILITIES          INFLENT PUMP STATION</p>		<p>DATE: 8/1/07</p>	

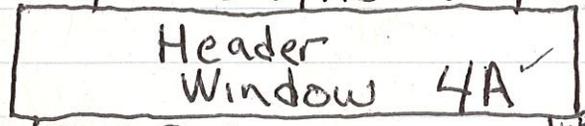
This drawing for core hole + "Anti-Flotation Ballast" location only!

# IOWA CITY

Stone Salvage from Control House



Left side Window | LSW 5A ✓ | RSW 6A ✓ | Right side Window

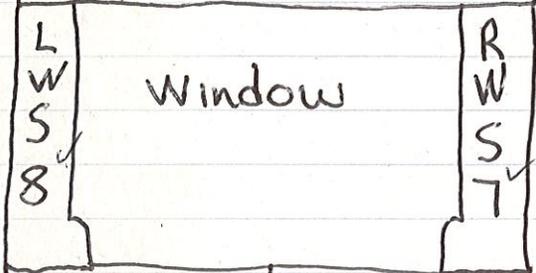


Large Header

LFWH #9 →



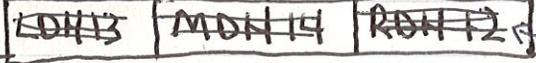
← RFWH #9 Face Window



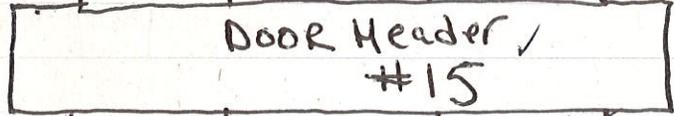
Left Door Header



Right Door Header

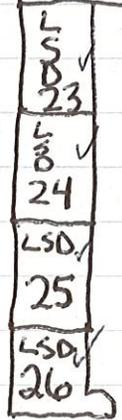


← LWB 13 / MWB 14 / RWB 12



Door Face  
Control House  
19 ✓

Left Side Door  
↓



DOOR

Right Side Door  
↙





Specialty Contracting & Waste Management

### SUBMITTAL

150108 : Iowa City WWTP Relocation Project  
North Plant Salvage and Demolition Phase - 2015

Description: Potable Water Record Drawing

Submittal: 025 Rev #: 0

Specification #: 02660-1.03 C

Date: 10/28/2015

**To: Ben Clark**  
City of Iowa City  
410 E. Washington Street  
Iowa City, IA 52240  
(319) 356-5436 (O)  
(319) 356-5007 (F)  
[Ben-clark@iowa-city.org](mailto:Ben-clark@iowa-city.org)

**From: Jason Mueller**  
Veit & Company, Inc  
14000 Veit Place  
Rogers, MN 55374  
(763) 428-6743 (O)  
(763) 428-8348 (F)  
[jmueller@veitusa.com](mailto:jmueller@veitusa.com)

**We are transmitting the following Submittal Package:**  
Copy of potable water record drawing detail.

Submittal Item	Status	Activity Date	Copies	Remarks
Record Drawing Detail for pipe, fittings, valve, etc.			1	1 Page

**Additional Notes:**  
For your review and approval.

**SAI: Strand acknowledges receipt of this new yard hydrant installation record drawing.**

**Submitted by:** \_\_\_\_\_ **Approved by:** \_\_\_\_\_

Jason Mueller

Ben Clark

Date



COMPLETE EXCAVATING SERVICES, SEWER & WATER UTILITIES SERVICE  
**LYNCH'S EXCAVATING, INC.**

LARRY LYNCH                      OFFICE 319-643-7135  
 607 N. 4TH ST.                    CELL 319-631-0920  
 WEST BRANCH, IA 52358        FAX 319-643-7151

JOB North Sewer Plant  
 SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
 CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SCALE \_\_\_\_\_

