

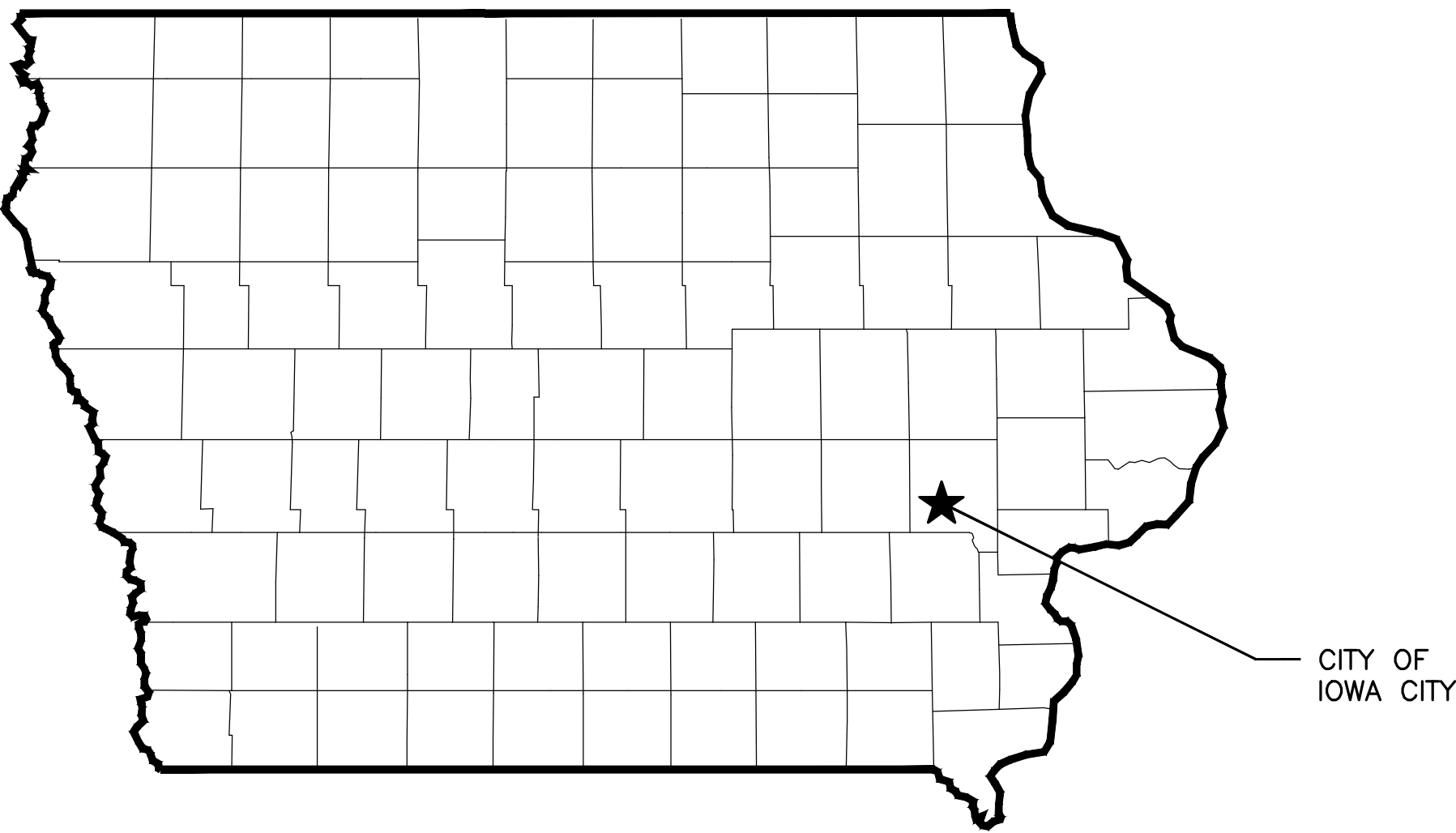
IOWA CITY WASTEWATER TREATMENT PLANT RELOCATION PROJECT NORTH PLANT SALVAGE AND DEMOLITION PHASE

FOR
CITY OF IOWA CITY
FEBRUARY, 2015

No Record Drawing Comments
by Veit for this Sheet!

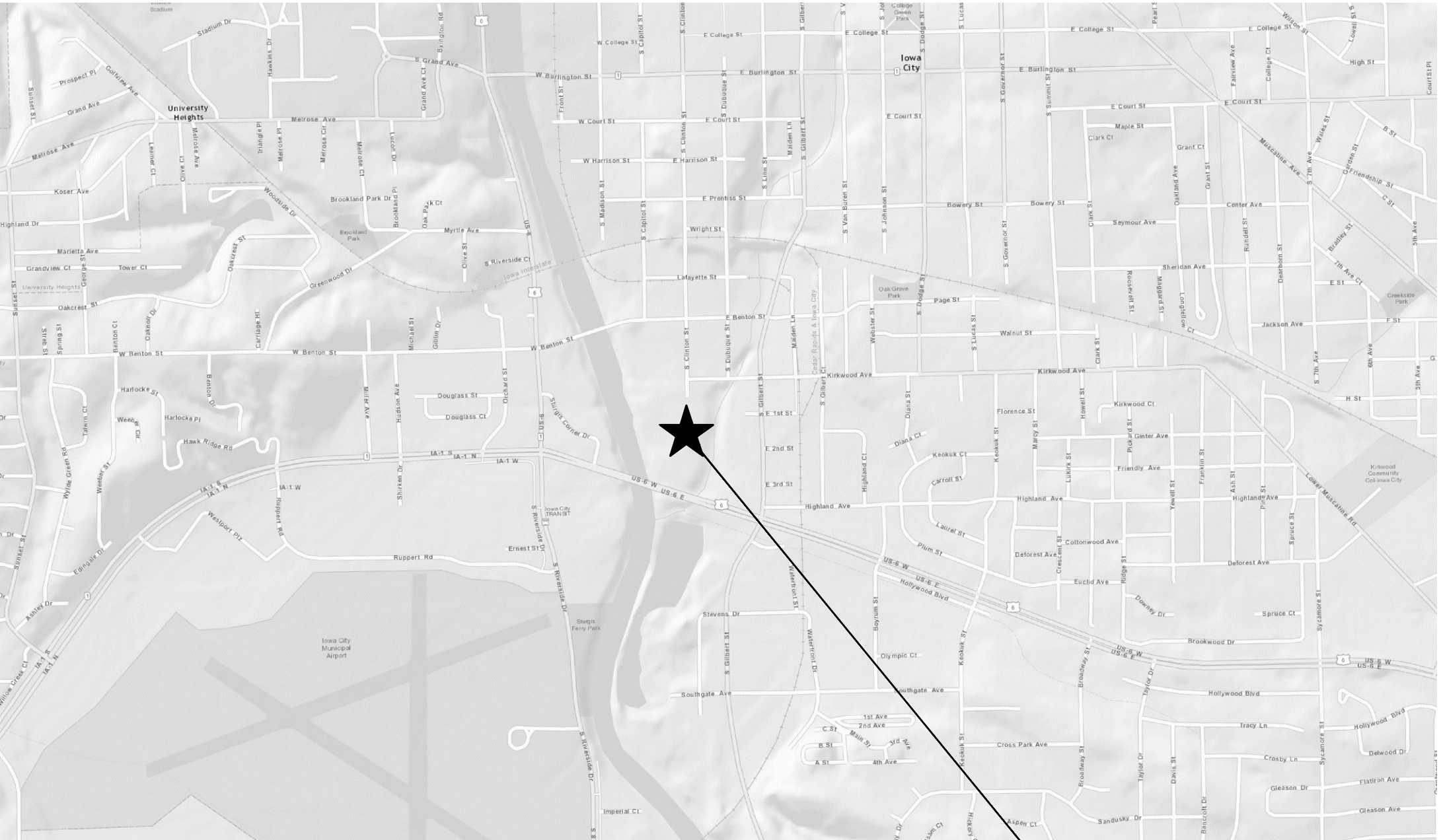
Strand Comment: Addendum No. 1 comments added to this record
drawing set where applicable.

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



CITY OF
IOWA CITY

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 ad-
dresses 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
PE 22660
LICENSE #
DATE 3-10-2015
RENEWAL DATE 12/31/2016

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 (1-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

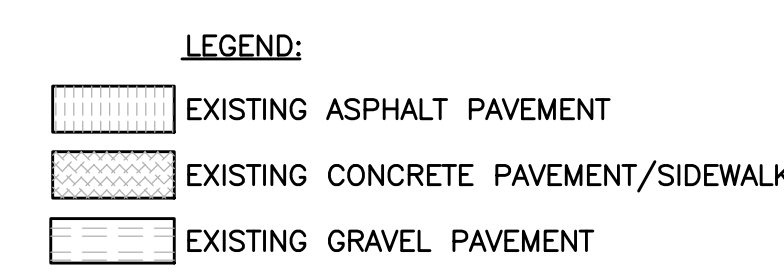
Strand Comment: Strand Sheet
4A added to include Addendum
No. 1 items.

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

[illegible]

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



STRAND
ASSOCIATES®

SHEET
2
05-D1.01

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)

SITE
PAVEMENT DEMOLITION
PLAN

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

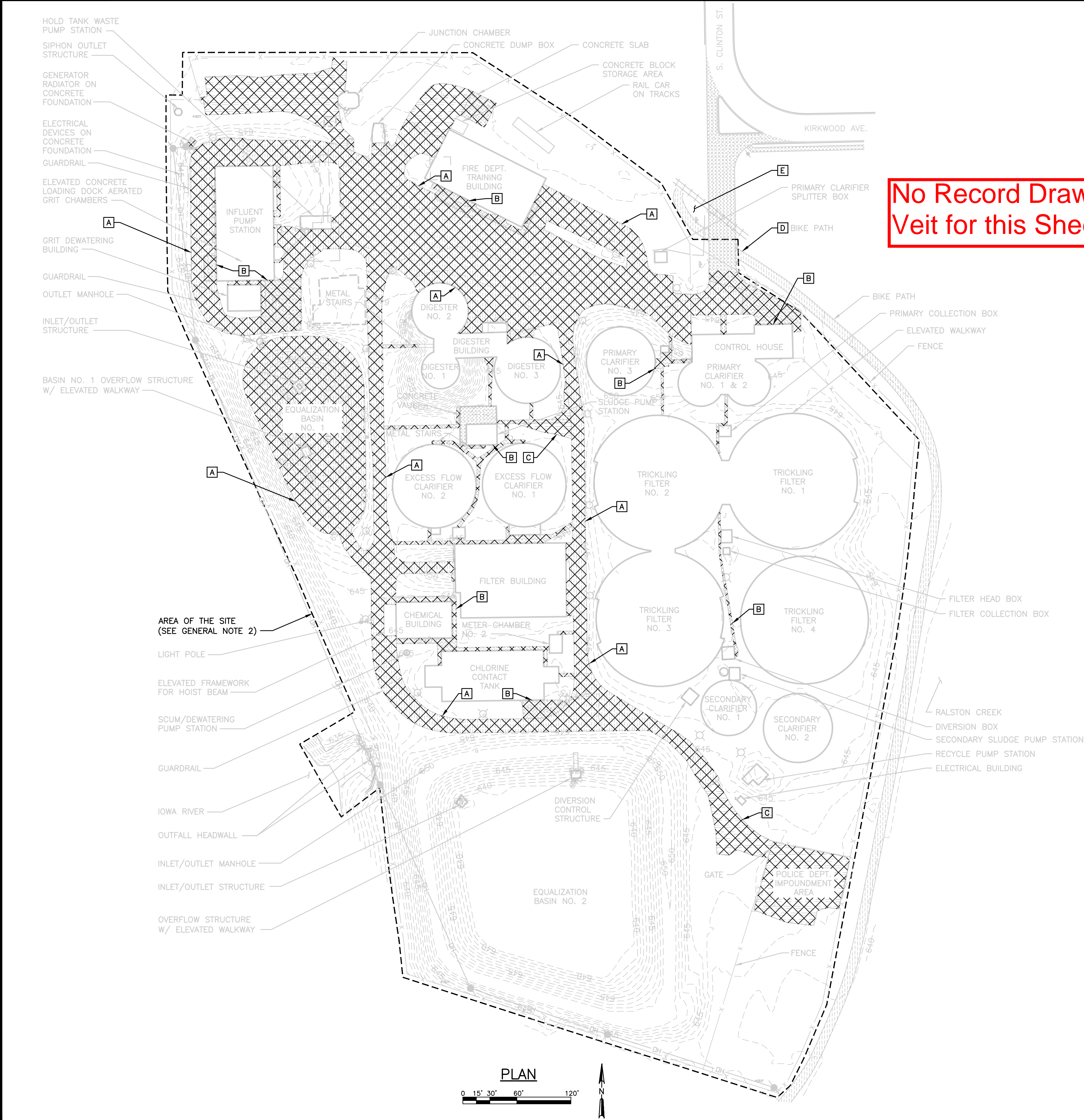
CITY OF IOWA CITY
JOHNSON COUNTY, IOWA

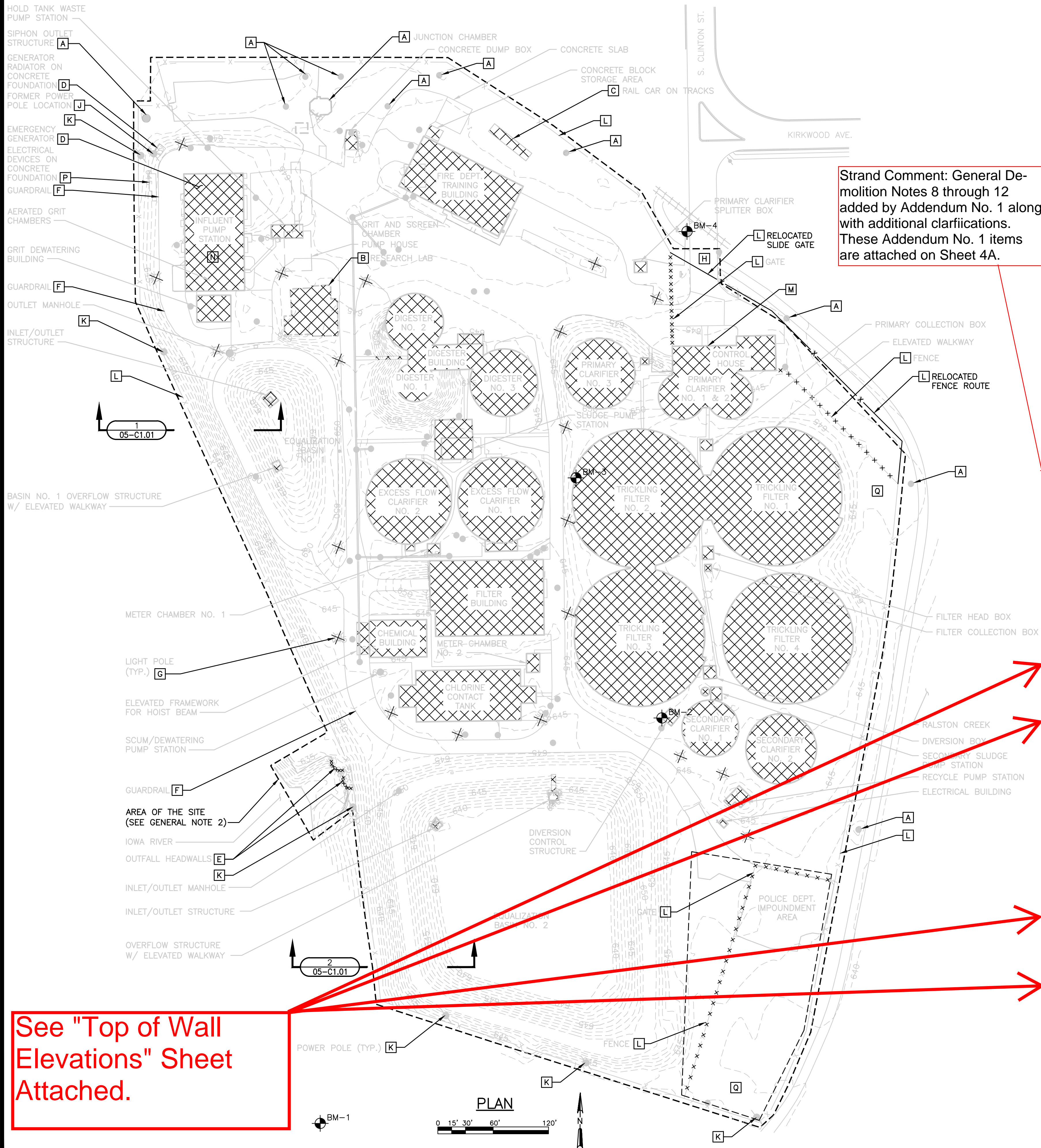
JOB NO.
3604.004

PROJECT MGR.
BRADLEY J. LAKE

SA
STRAND
ASSOCIATES®

SHEET
3
05-CD1.01





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:

- 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.
- EXISTING STRUCTURE PREVIOUSLY ABANDONED BELOW GRADE. REMOVE REMAINING STRUCTURE ENTIRELY. SEE STRUCTURE DEMOLITION TABLE.
- REMOVE RAIL CAR AND ALL COMPONENTS OF THE ASSOCIATED RAILROAD TRACK STUB FROM THE SITE.
- 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.
- REMOVE TWO CONCRETE OUTFALL HEADWALLS ENTIRELY AS SHOWN IN **D** AND **E** 99-CD5.01
- REMOVE ALL GUARDRAIL AND ANY CONCRETE FOUNDATION ENTIRELY WITHIN THE AREA OF THE SITE.
- REMOVE ALL LIGHT POLES AND CONCRETE FOUNDATIONS ENTIRELY WITHIN THE AREA OF SITE.
- CONTRACTOR SHALL CONFIRM THE DISCONNECTION OF THE ELECTRICAL AND GAS SERVICE TO THE SITE WITH THE GOVERNING UTILITY.
- CONTRACTOR SHALL CONFIRM THIS FORMER POWER POLE AND ELECTRIC SERVICE HAS BEEN REMOVED ENTIRELY BY THE LOCAL UTILITY ALONG WITH UNDERGROUND CONDUCTORS.
- POWER POLES ALONG THE SOUTH AND WEST SITE BOUNDARIES SHALL REMAIN UNLESS OTHERWISE NOTED.
- 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 TEMPORALLY 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.
- CONTRACTOR SHALL REMOVE SELECT FEATURES OF THE CONTROL HOUSE AND TURN OVER TO OWNER PER **A** 05-CD1.01
- 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.
- OWNER HAS REMOVED TWO ELECTRICAL TRANSFORMERS FROM THIS AREA. CONTRACTOR SHALL REMOVE THE REMAINING ELECTRIC UTILITY BOX, AND CONCRETE FOUNDATIONS AND REMAINING UNDERGROUND CONDUCTORS.
- 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.

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

SITE
STRUCTURE 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

SA
STRAND
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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 fenceline 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.

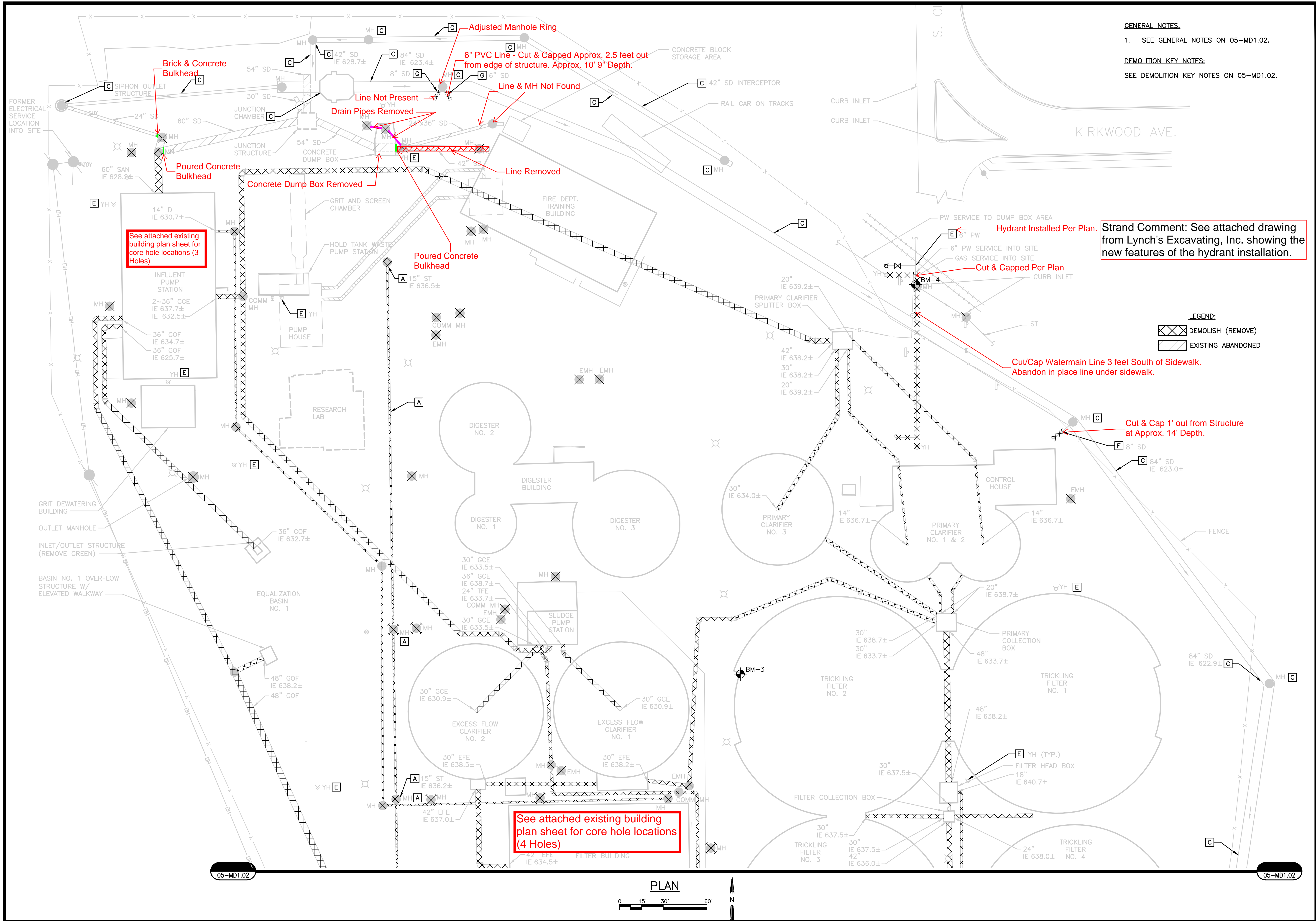
CONTRACTOR shall also demolish and landfill all painted metal and other painted surfaces including, but not limited to, the railing, bridges, stairs, platforms, equipment, piping, valves, gates, weirs, floor doors and all other painted metal within or on top of the following structures: primary clarifier 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	
	</				



NO.	ISSUED FOR BIDDING	REVISIONS	DATE:
1			03/21/2015

SITE
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

JOB NO. 3604.004
PROJECT MGR. BRADLEY J. LAKE
 STRAND ASSOCIATES®
SHEET 5 05-MD1.01

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.



CONTROL HOUSE
05-C1.01 NO SCALE

ENLARGED PLAN

0 5' 10' 20' 40'

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

EQUALIZATION BASIN NO. 1 TYP. SECTION
NO SCALE 05-C1.01

EQUALIZATION BASIN NO. 2 TYP. SECTION
NO SCALE 05-C1.01

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.

SITE
INTERIM GRADING PLAN

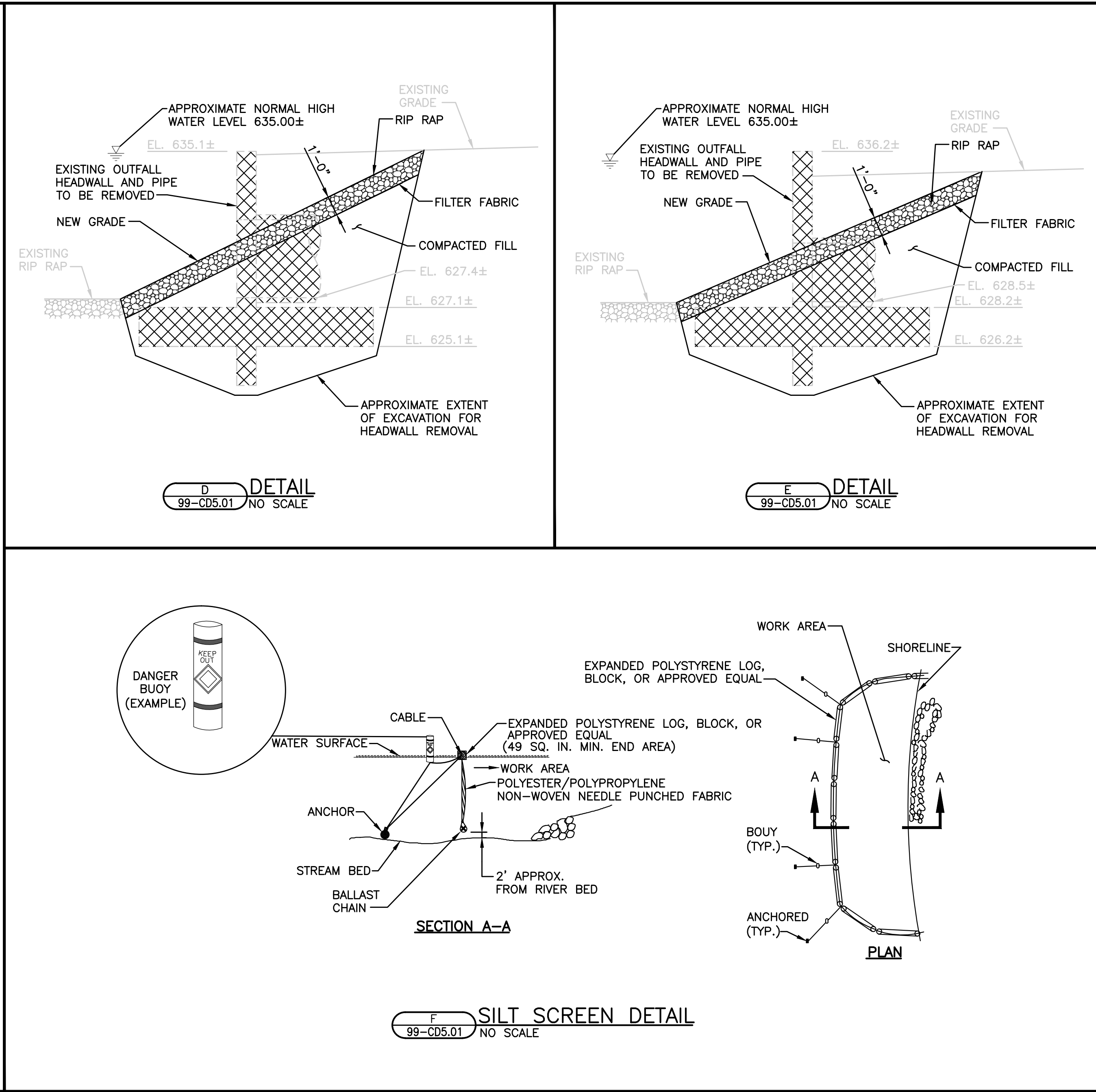
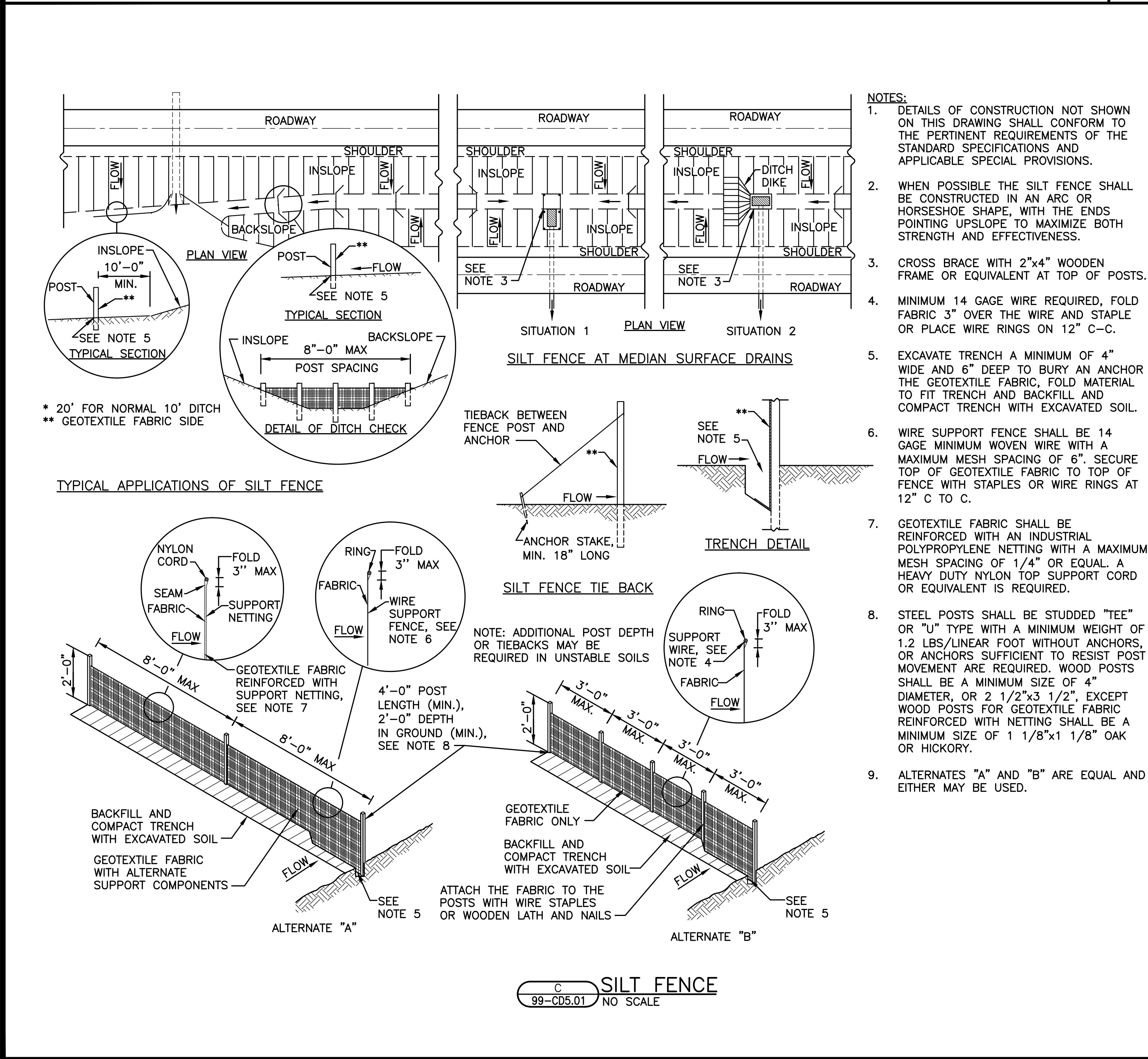
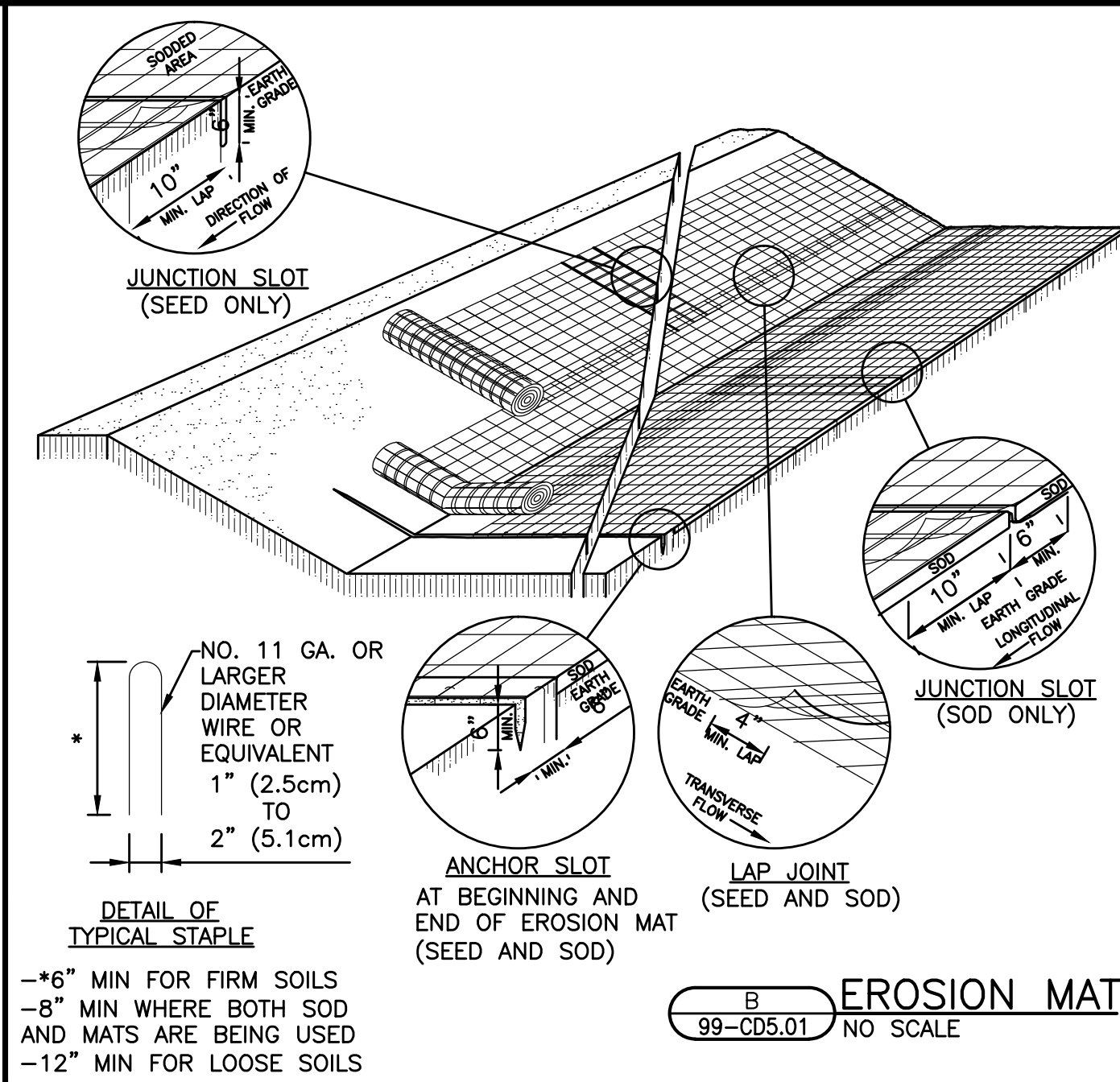
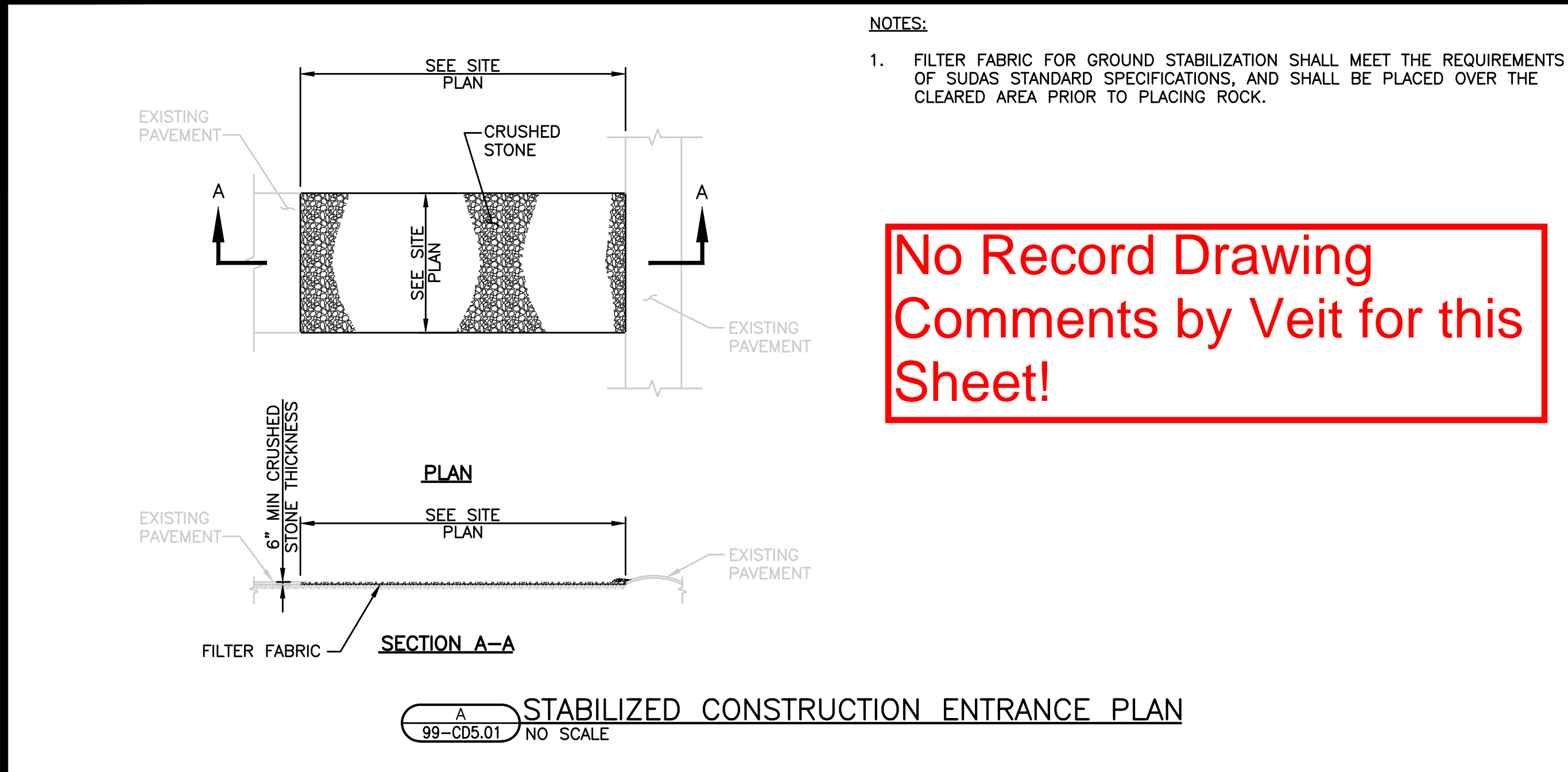
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CITY OF IOWA CITY
JOHNSON COUNTY, IOWA

JOB NO.
3604.004

PROJECT MGR.
BRADLEY J. LAKE



SHEET
7
05-C1.01



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

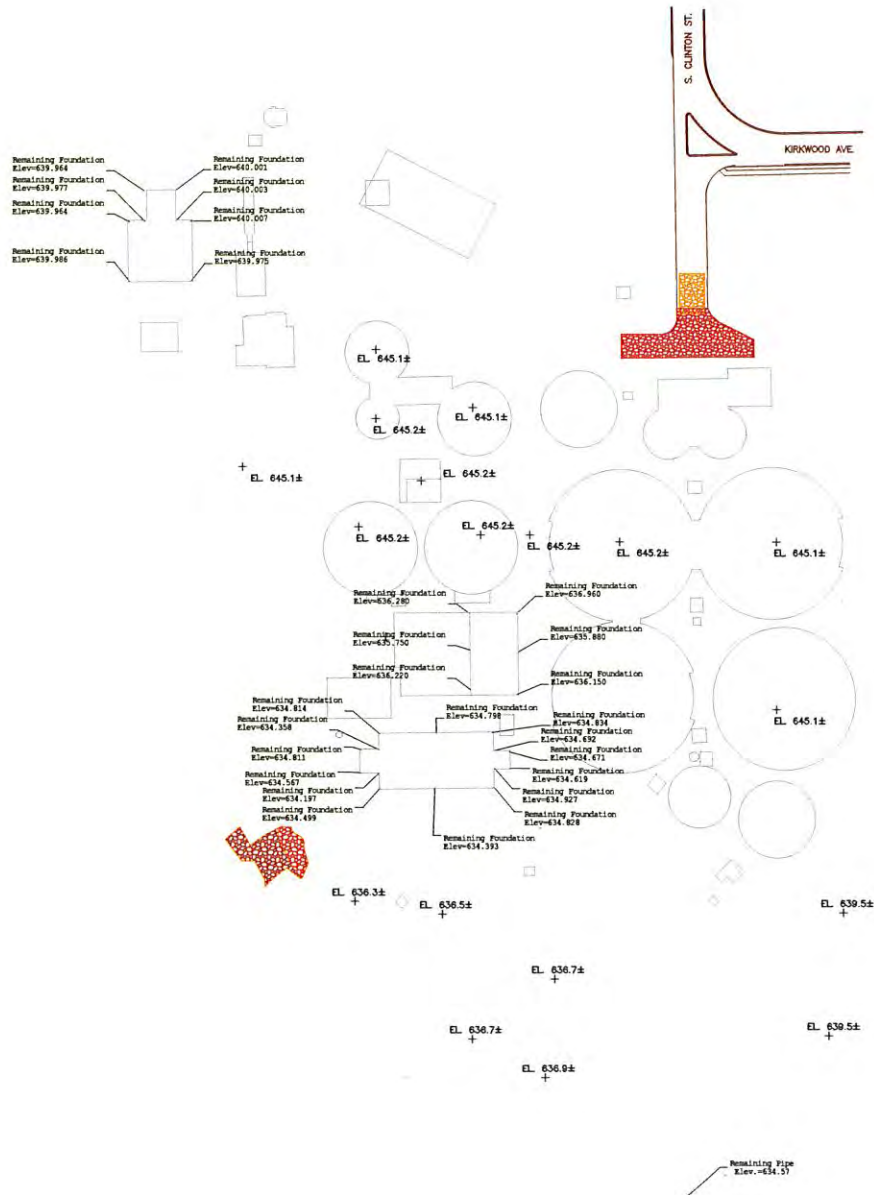
CIVIL	SCHEDULES AND DETAILS
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CITY OF IOWA CITY	
JOHNSON COUNTY, IOWA	


JOB NO.	3604.004
PROJECT MGR.	BRADLEY J. LAKE

STRAND ASSOCIATES®

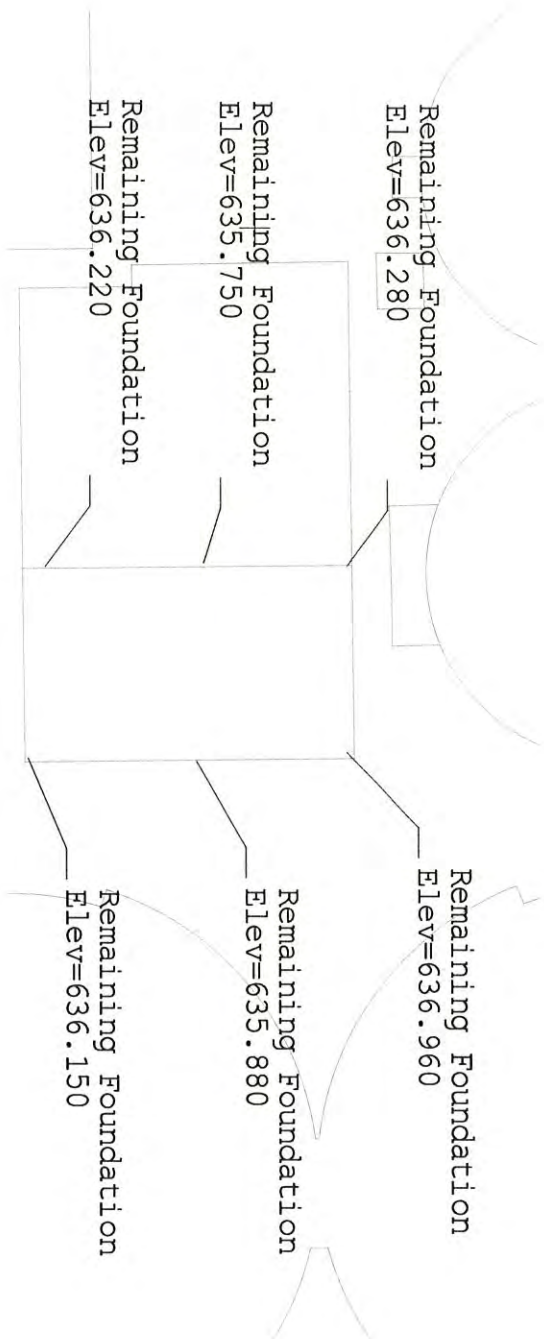
SHEET	9
99-CD5.01	


- For structures whose walls were not called to be completely demolished.



	Former Iowa City WWTP	DATE: _____	REV NO. _____	DATE _____	DESCRIPTION _____
		DESIGN BY: _____			
		DRAWN BY: _____			
		CHECKED BY: _____			
		DWG FILE: _____			
		FILE NO.: XXXXXXXX			

Filter BLDG



	Former Iowa City WWTP	DATE: _____	REV NO.	DATE	DESCRIPTION
		DESIGN BY: _____			
		DRAWN BY: _____			
		CHECKED BY: _____			
		DWG FILE: _____			
FILE NO.: XXXXXXX					

Remaining Foundation
Elev=639.964

Remaining Foundation
Elev=639.977


Remaining Foundation
Elev=639.964

Remaining Foundation
Elev=640.001

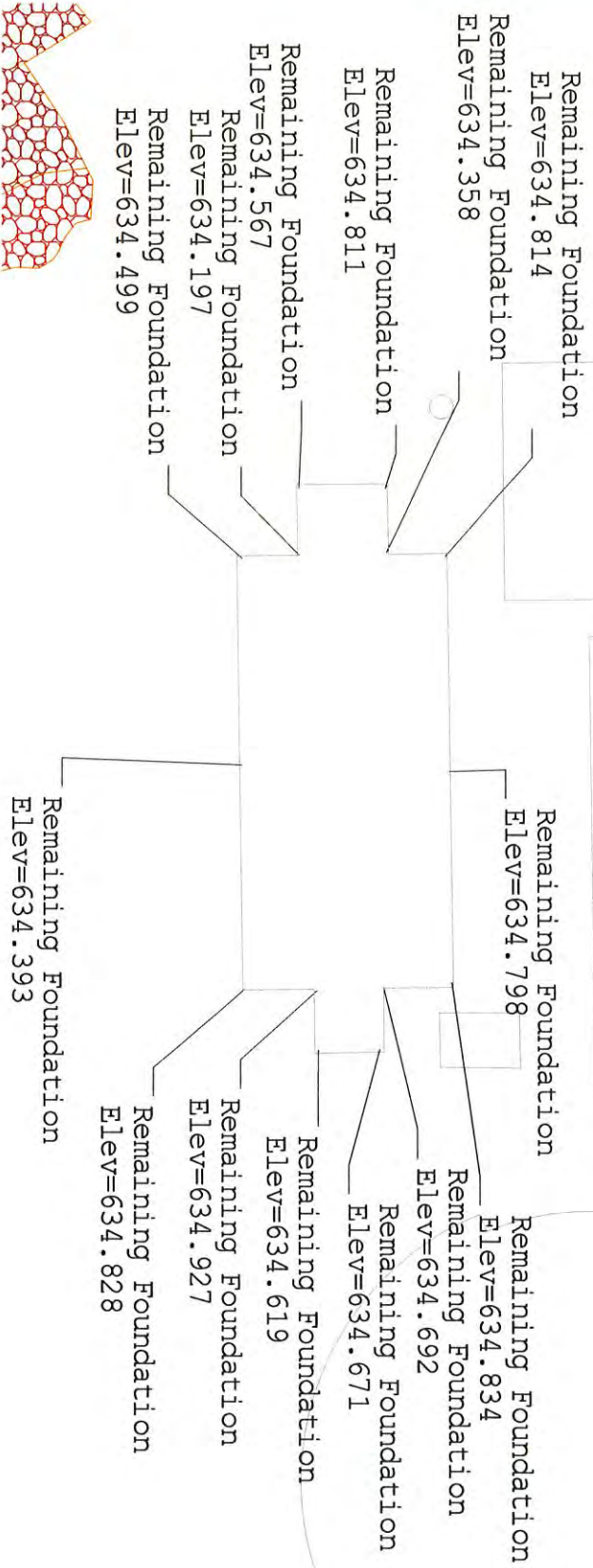
Remaining Foundation
Elev=640.003

Remaining Foundation
Elev=640.007

Remaining Foundation
Elev=639.975

 ON LISTS	<h1>VEIT</h1>	Former Iowa City WWTP		DATE: _____	REV NO.	DATE	DESCRIPTION
				DESIGN BY: _____			
				DRAWN BY: _____			
				CHECKED BY: _____			
				DWG FILE: _____			
				FILE NO.: J000000X			

Chlorine BLDG



REV	NO.	DATE	DESCRIPTION

DATE: _____
 DESIGN BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DWG FILE: _____
 FILE NO.: XXXXXXXX

Former Iowa City
 WWTP

VEIT

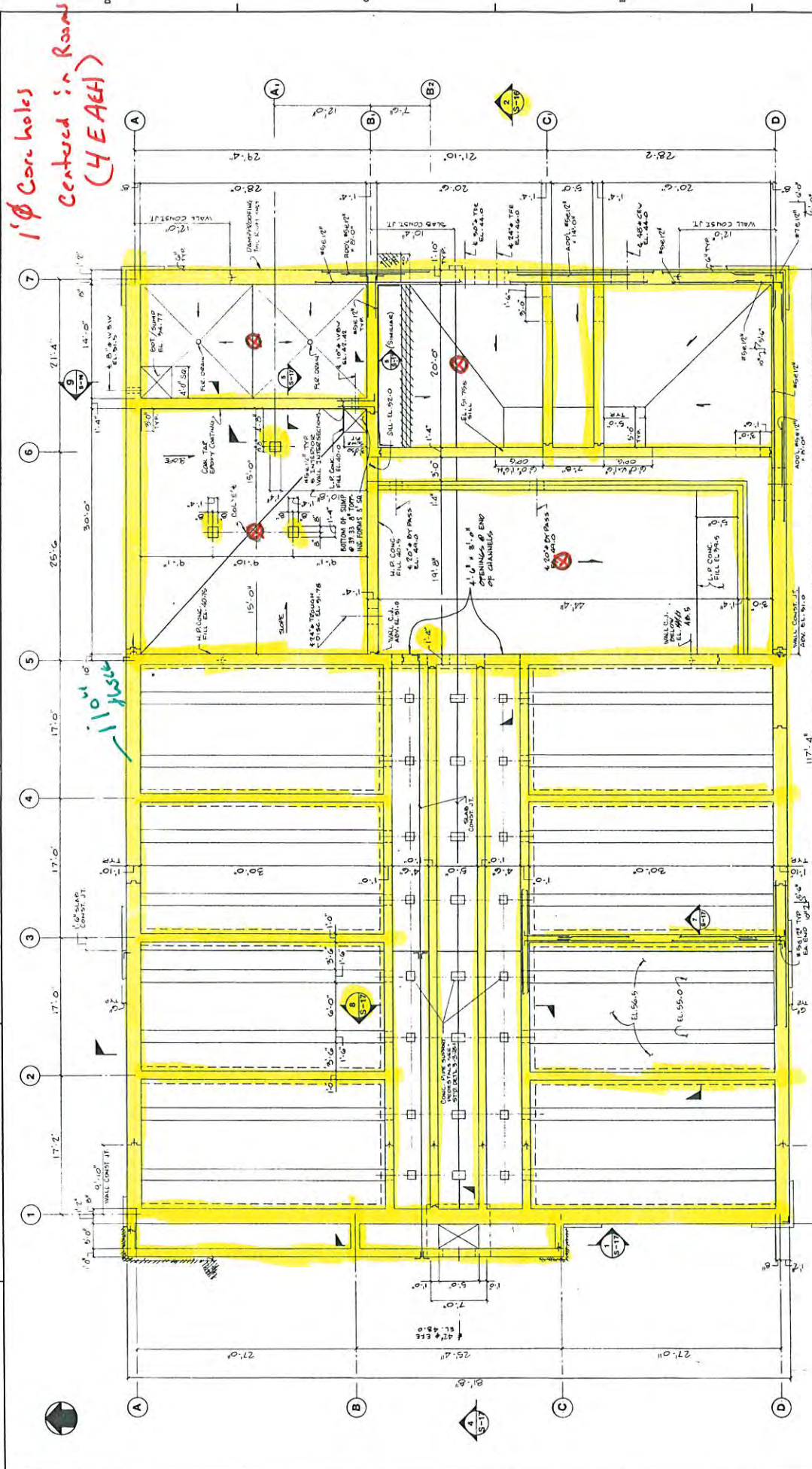
SHEET NO.
 1

Filter Bldg.

⊗ =

1' Core holes

Centered in Rooms
(4 E A E H)



NOTE:

- MINIMUM ALLOWABLE BOR. BEARING CAPACITY = 2500 PSI
- ALL BASE SLABS & BELOW GRADE WALL CONST. JTS. SHALL HAVE 9" W.B.

NOTE:

FOR THE WATER TREATMENT PLANT CONSTRUCTION UNIT @ EL. 54.0, ON THE FILTER BLDG. PERMANENT WALL NORTH OF COLUMN C TO THE VERTICAL J. ON THE SOUTH WALL @ COLUMN 5.

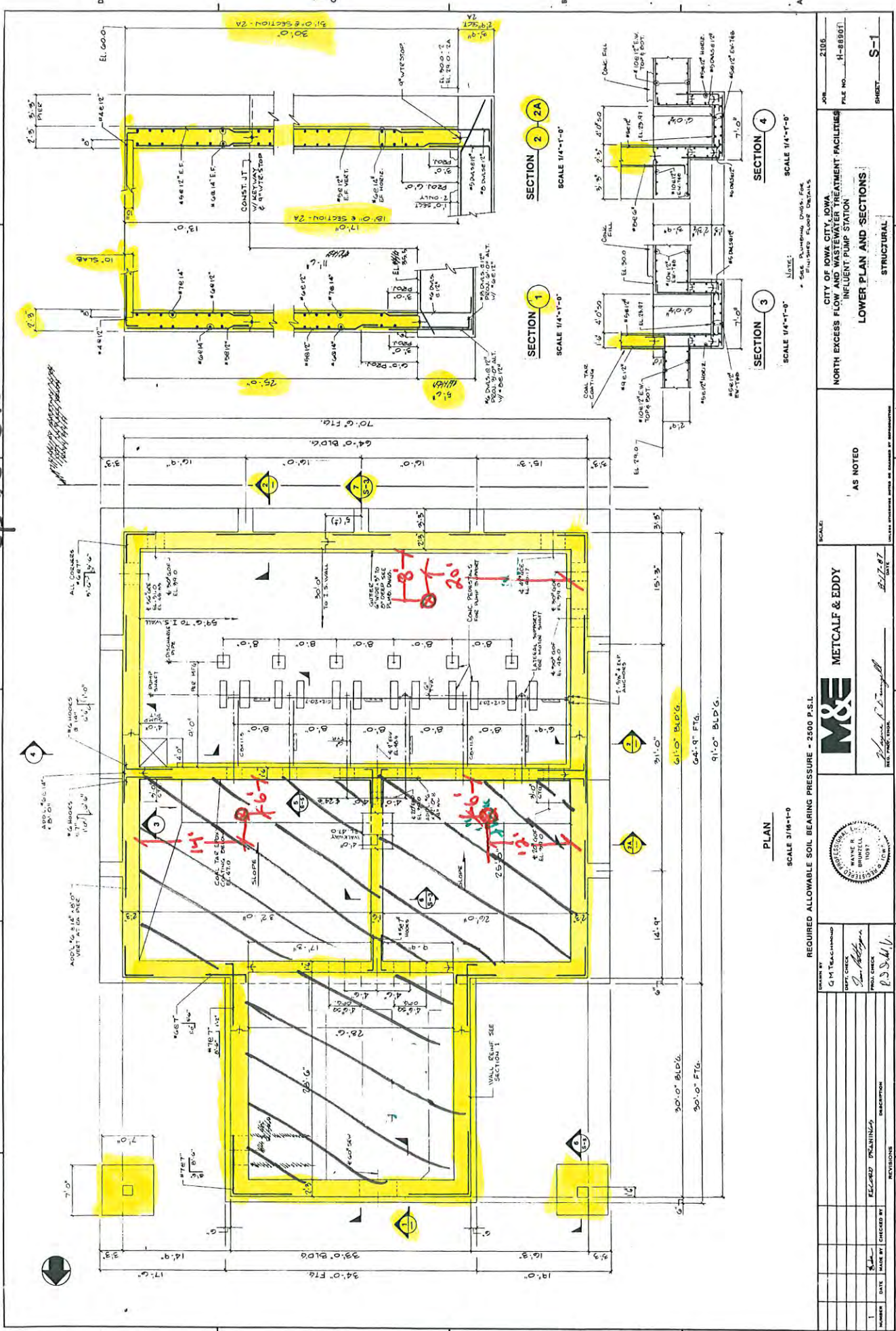
CITY OF IOWA CITY, IOWA NORTH EXCESS FLOW AND WASTEWATER TREATMENT FACILITIES FILTER BUILDING PLAN @ EL. 54.0'		SHEET S-12	
SCALE: 3/16"=1'-0"		DATE: 8/1/87	
DESIGNED BY: METCALF & EDDY		CHECKED BY: [Signature]	
DRAWN BY: [Signature]		RECORDED: [Signature]	
DATE: [Blank]		MADE BY: [Blank]	
REVISIONS:		REVISIONS:	
1. [Blank]		1. [Blank]	
2. [Blank]		2. [Blank]	
3. [Blank]		3. [Blank]	
4. [Blank]		4. [Blank]	
5. [Blank]		5. [Blank]	
6. [Blank]		6. [Blank]	

This drawing for core hole locations only!

Influent Pump Station

⊗ = 1' Ø corchholes (3EA)

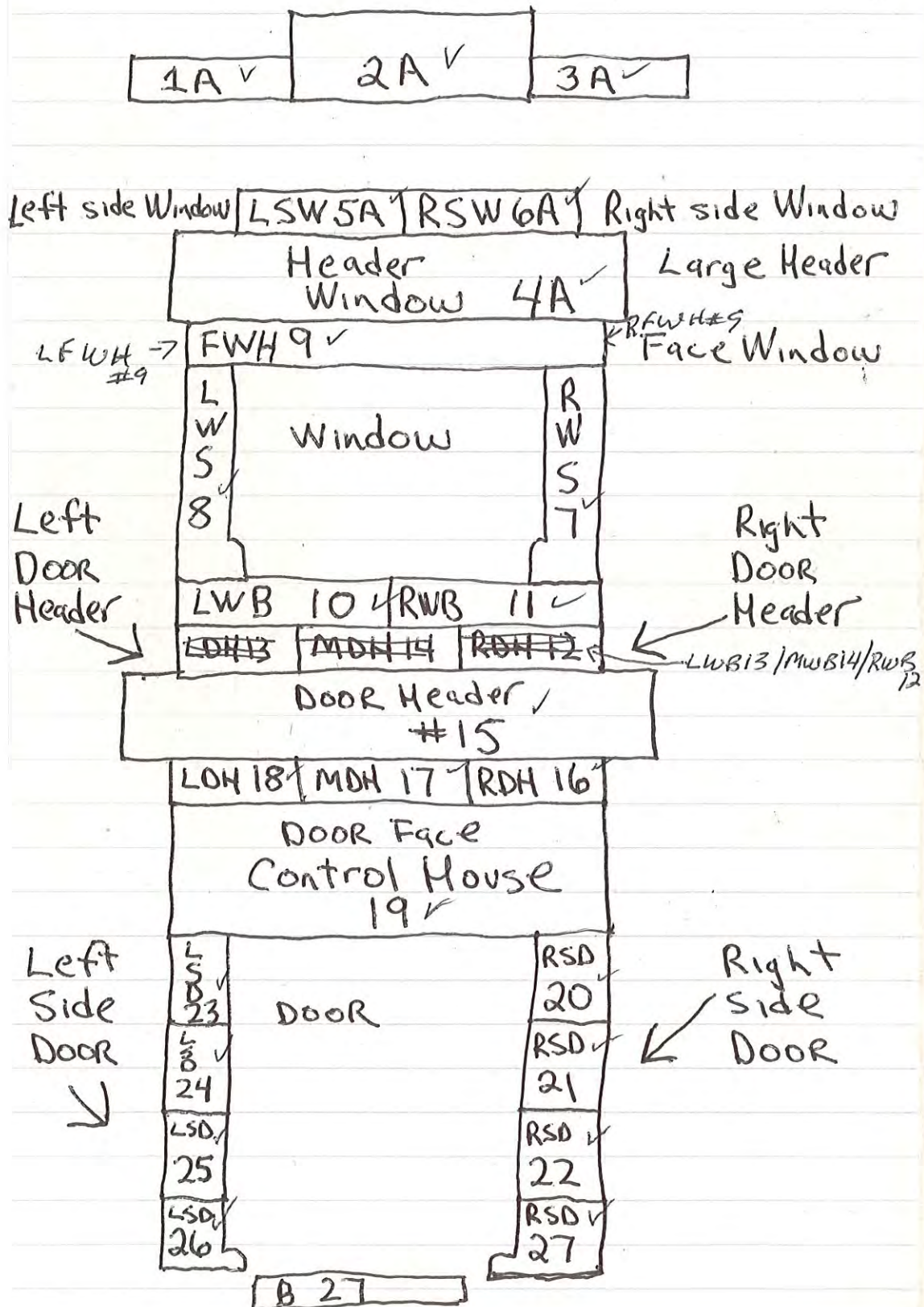
"Anti-Flotation Ballast" per Shown.
= Approx. 6' Layer from elevation 634 up to 640



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

IOWA city

Stone Salvage from Control House





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

From: Jason Mueller
Veit & Company, Inc
14000 Veit Place
Rogers, MN 55374
(763) 428-6743 (O)
(763) 428-8348 (F)
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
607 N. 4TH ST.
WEST BRANCH, IA 52358

OFFICE 319-643-7135
CELL 319-631-0920
FAX 319-643-7151

JOB North Sewer Plant

SHEET NO. _____

OF _____

CALCULATED BY _____

DATE _____

CHECKED BY _____

DATE _____

SCALE _____

