

ADDENDUM NO. 2

DATE: March 16, 2018

TO: All Potential Proposers

FROM: Penny Owens, Assistant Purchasing Agent, City of Knoxville

SUBJECT: Addendum No. 2 to the RFP for Zero Emission Electric Bus Solution

RFPS TO BE OPENED: May 4, 2018 at 11:00:00 a.m. (Eastern Time)

This addendum is being published to address the following items concerning the above referenced RFP. This addendum becomes a part of the contract documents and m original specifications as follows.

ITEM #1: Paragraph 5.27.10.2 (turnkey installation of bus charging system) is hereby deleted and replaced with the following:

5.27.10.2 The City of Knoxville (Knoxville Area Transit) will ensure an appropriately sized transformer with appropriate wattage and an electrical distribution panel with six appropriately sized circuit breakers is provided at the bus lot. Proposals shall include a turnkey solution for installation of the bus charging system for six buses from connection to the circuit breakers to the device that plugs into each bus. Proposals should include underground conduit from the electrical distribution panel to devices that charge each bus. Underground conduit must provide for future expansion for charging of an additional six buses. Proposals should include “smart charging” solutions that allow for scheduled charging of select buses connected to the charging system based upon bus pull-out times. Charge time opportunities are expected to range from five (5) hour windows for some buses (estimated for four buses) to twelve hour windows (estimated for two buses). Proposals shall also provide **OPTION PRICING** for the two charging stations inside the maintenance shop. The optional maintenance shop charging solution shall include all work and material from a circuit breaker distribution panel mounted on the work bay area interior wall to an area four to five bays across the shop. Conduit cables from the distribution panel shall be overhead up to the mounted charging device.

ITEM #2: Paragraph 5.27.10.4 is hereby deleted and replaced with the following:

5.27.10.4 Charge system receptacles **MUST** be located on the front and rear of the bus. This will allow for opportunity charging while the bus is pulled face first in to its assigned parking space between runs and nightly charging after the bus is backed in to its parking space following nightly servicing.

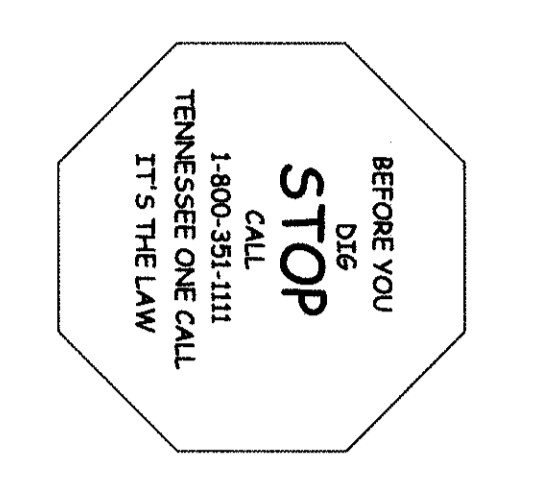
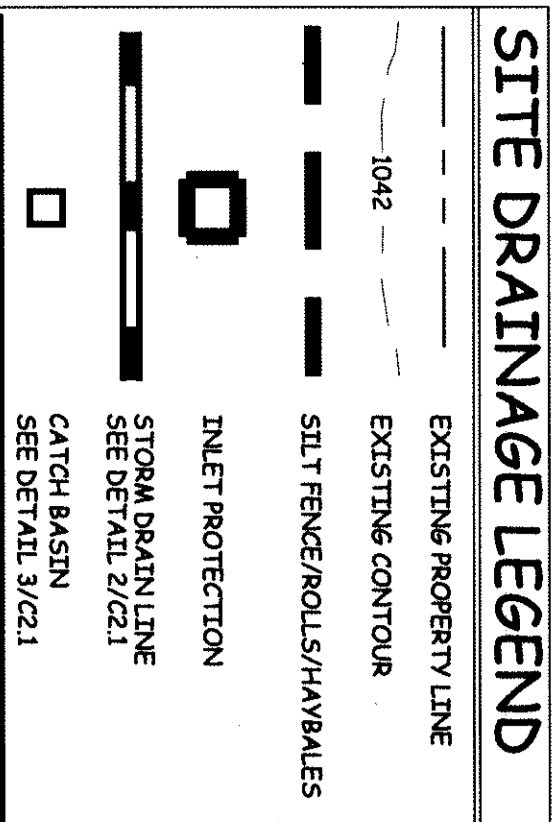
ITEM #3: The picture in Exhibit 1 of this addendum depicts planned location of the bus lot utility grid transformer and its proximity to electric bus parking spaces. Exhibit 2 to this addendum provides a scaled bus lot sight plan used during a recent stormwater drain system improvement project.

ITEM #4: All proposers must complete the attached Subcontractor Information Form for **ALL** sub-contractors used on this project.

END OF ADDENDUM 2

EXHIBIT 1



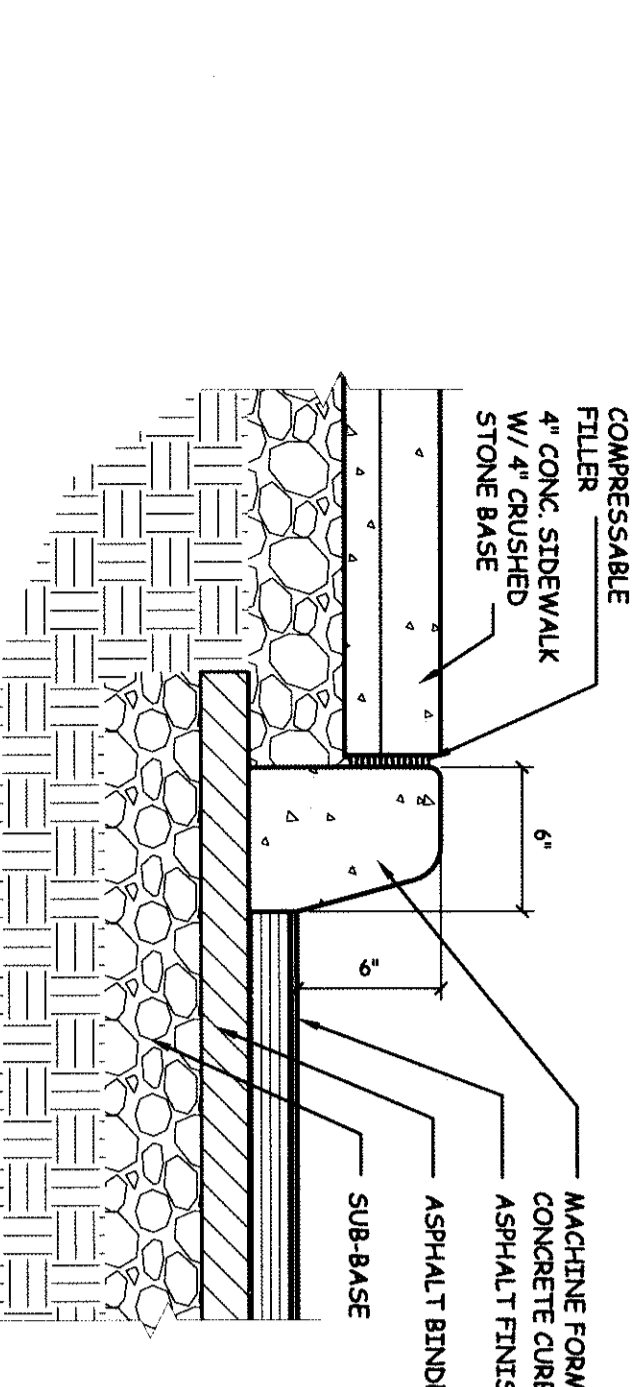


GRADING AND EROSION CONTROL NOTES

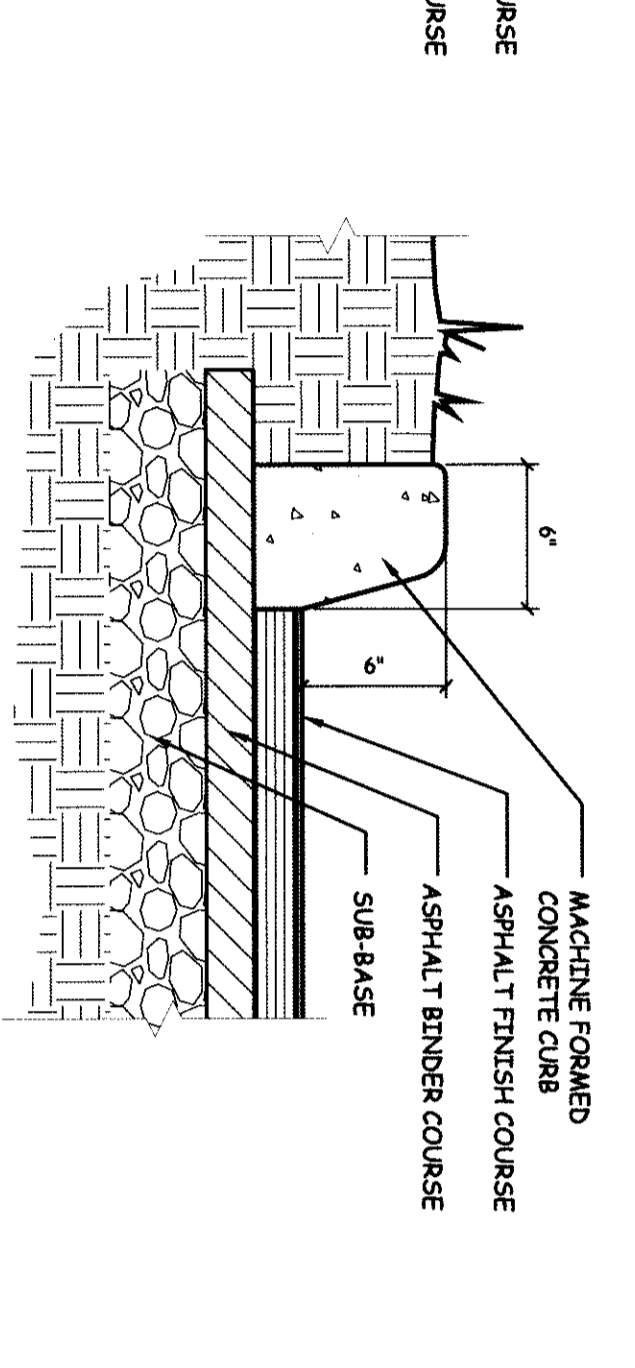
1. EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE A MINIMUM REQUIREMENT. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, MODIFYING AND ADJUSTING EROSION CONTROL MEASURES AS NECESSARY TO MAINTAIN PROPER CONSTRUCTION WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS RELATING TO EROSION CONTROL AND STORMWATER RUNOFF.
2. EROSION CONTROL SHALL BE MAINTAINED UNTIL FINISH IS COMPLETED AND LAWS HAVE BEEN ESTABLISHED.
3. CONTRACTOR TO FIELD VERIFY ROAD GRADES PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO COORDINATE ALL NEW SITE GRADING WITH OWNER'S SURVEY ENGINEER PRIOR TO CONSTRUCTION IN ORDER TO ENSURE PROPER CONSTRUCTION WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS RELATING TO EROSION CONTROL AND STORMWATER RUNOFF.
5. THE MINIMUM SLOPE FOR PARKING, SIDEWALKS, AND LANDSCAPE AREAS IS 1%.
6. CONTRACTOR SHALL VERIFY ALL SLOPES ARE AS SHOWN ON THIS PLAN.
7. ADJUST SWALES AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE AWAY FROM THE PROJECT.
8. MAXIMUM SLOPE FOR PARKING AREAS IS 2%.
9. MAXIMUM SLOPE FOR SIDEWALKS IS 2%.
10. MAXIMUM SLOPE FOR DRIVEWAYS IS 2%.
11. UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN REPRESENT FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES PRIOR TO CONSTRUCTION.
12. UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN REPRESENT FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES PRIOR TO CONSTRUCTION.
13. UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN REPRESENT FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES PRIOR TO CONSTRUCTION.
14. ADJUST CATCH BASIN TOPS AS NECESSARY TO MATCH FINAL GRADES.
15. REPAIR FOR SPILLWAYS SHALL BE 9" TO 12" DIAMETER WITH A MEAN DIAMETER OF 8" TO 12" DIAMETER.
16. CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY, INCLUDING BUT NOT LIMITED TO: NO SLOPE SHALL BE STEEPER THAN 2:1 (H:V).

SITE DRAINAGE NOTES

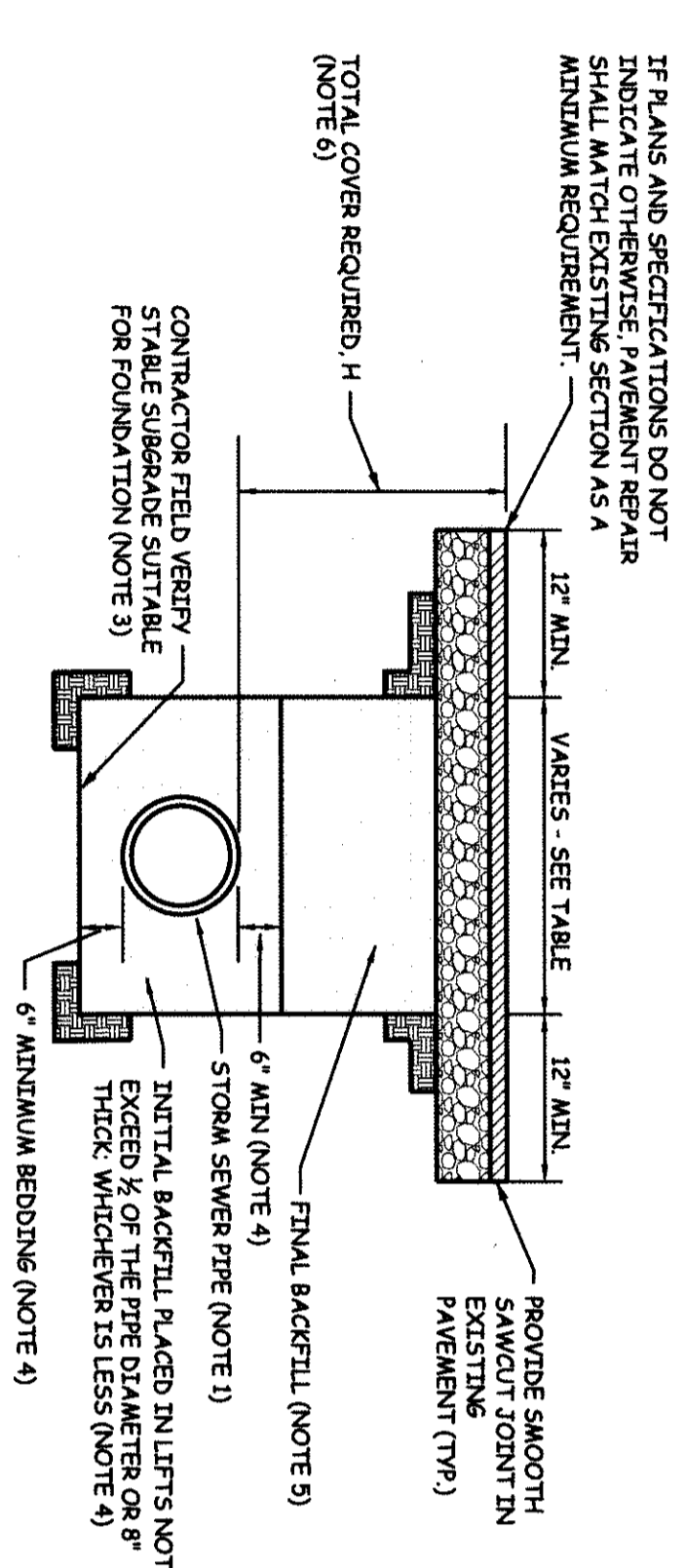
1. DRAINAGE STRUCTURE INVERTS TO BE VERIFIED PRIOR TO COMMENCEMENT OF WORK.
2. CONTRACTOR TO FIELD VERIFY CRITICAL GRADES AT ENTRANCES PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO COORDINATE ALL NEW SITE GRADING WITH ENGINEER PRIOR TO CONSTRUCTION.
4. UNLESS OTHERWISE NOTED, HIRE SHALL BE HANDED, LAINE HIRE OR 4:1 H:V.
5. SMOOTH INTERIOR WALL HIRE, REMOVE AND STONE REPAIRS AND BACKFILL TO ADJACENT SUBGRADE OR 12" ABOVE PIPE IN GRADES AREAS. ALL PIPE AND JOINTS SHALL BE PROTECTED FROM DAMAGE BY STONE REPAIRS AND BACKFILL.
6. ALL JOINTS SHALL BE PROTECTED FROM DAMAGE BY STONE REPAIRS AND BACKFILL.
7. UNLESS OTHERWISE NOTED, HIRE SHALL BE HANDED, LAINE HIRE OR 4:1 H:V.
8. CIP USED FOR DETENTION SHALL BE ALUMINIZED STEEL, TYPE 2, 6A, WITH 1/2" 277 REINFORCEMENT. JOINTS SHALL BE CONSTRUCTED WITH CONCRETE. REINFORCEMENT SHALL BE 1/2" 277 REINFORCEMENT. JOINTS SHALL BE COVERED WITH A MINIMUM OF 12" CONC. AND SHALL BE PROTECTED FROM DAMAGE BY STONE REPAIRS AND BACKFILL.
9. WHERE JOINTS ARE NECESSARY, THEY SHALL BE COVERED WITH A MINIMUM OF 12" CONC. AND SHALL BE PROTECTED FROM DAMAGE BY STONE REPAIRS AND BACKFILL.
10. ROOF LEAKS SHALL BE REPAIRED PRIOR TO CONSTRUCTION.



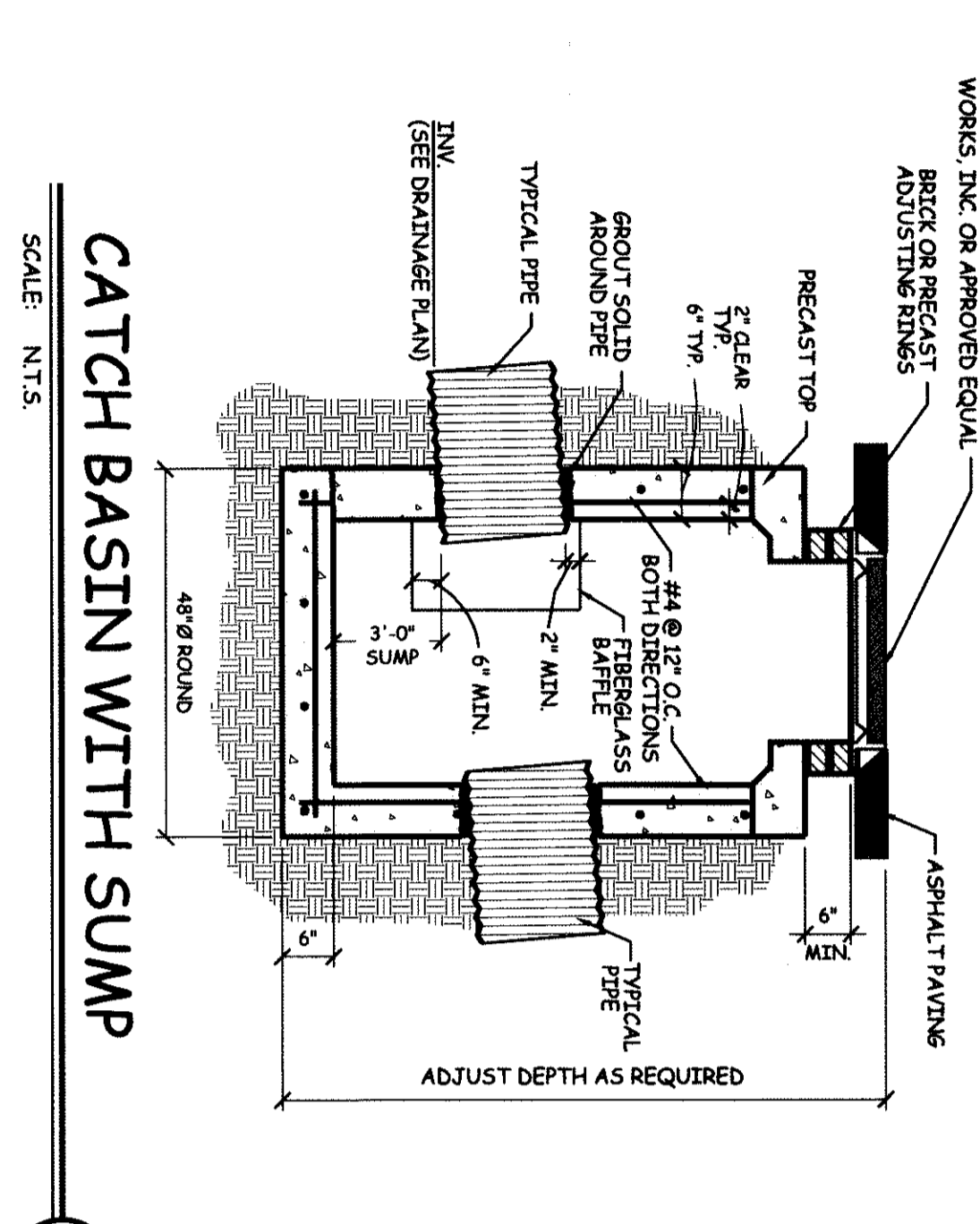
AT CONCRETE
CONCRETE CURB
SCALE: N.T.S.



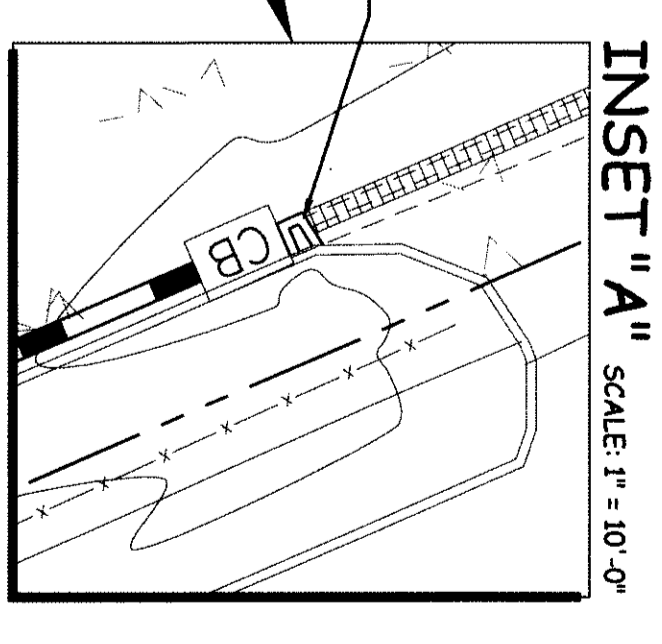
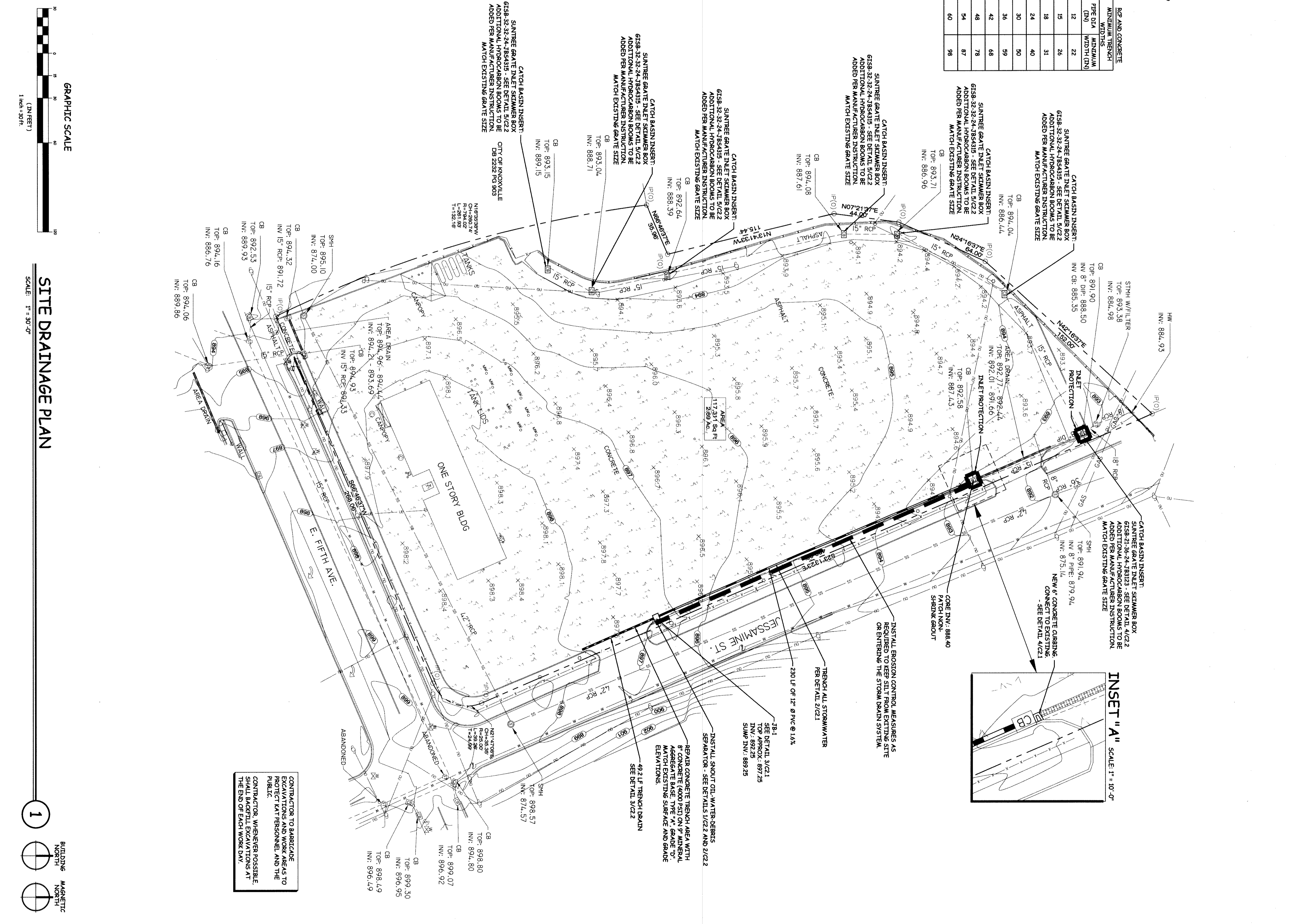
AT GRASS
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- ### STORM SEWER TRENCH
- SCALE: N.T.S.
- NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2211, LAYERS 1B, AND ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2211, LAYERS 1B, AND ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2211, LAYERS 1B.
 2. CONTRACTOR SHALL VERIFY ALL GRADES PRIOR TO CONSTRUCTION.
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 50. CONTRACTOR SHALL VERIFY ALL GRADES PRIOR TO CONSTRUCTION.



CATCH BASIN WITH SUMP
SCALE: N.T.S.



INSET 'A' SCALE: 1" = 10'-0"

SUBCONTRACTOR INFORMATION FORM

Bidders/Proposers shall provide information requested below for all sub-contractors being utilized if awarded the procurement project being solicited. Note that all fields must be complete. If no sub-contractors are being utilized, indicated such by writing "N/A" within one of the information fields below.

Official Business Name of Sub-Contractor	Contact Information
	Contact Name:
	Phone #:
	Email:
Description of work sub-contractor will perform:	
Dollar amount this sub-contractor's work represents within the bid/proposal:	\$
Office Use Only	DBE (Y/N):

Official Business Name of Sub-Contractor	Contact Information
	Contact Name:
	Phone #:
	Email:
Description of work sub-contractor will perform:	
Dollar amount this sub-contractor's work represents within the bid/proposal:	\$
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