
**STORMWATER DRAINAGE IMPROVEMENTS PROJECT
FOR FRANCIS MARION UNIVERSITY (H18-N079-MJ) (EDA#04-01-07484.01)**

To: All Prospective Bidders

Subject: Addendum #3

Date: November 30th, 2022

This addendum modifies the Contract Documents only in the manner and to the extent stated herein and on any accompanying drawings. This addendum will become part of the Contract Documents. Except as specified or otherwise indicated by this addendum, all work shall be in accordance with the basic requirements of the Contract Documents.

Bidder shall acknowledge receipt of the Addendum in the space provided on the bid form. Failure to do so may constitute informality in the bid.

1. Changes to prior Addenda

1. None with this addendum.

2. Changes to Bidding Requirements

1. None with this addendum.

3. Changes to the Specifications

1. None with this addendum

4. Changes to the Drawings

1. Sheet C-201 – Added Drop Inlet typical note, added limit of disturbance leader, replaced blind junction with MH-5148A, revised RG Inlet to RG Inflow, revised CB 4850 inlet type.
2. Sheet C-202 – Added limit of disturbance leader, replaced blind junction with MH-5148A, revised RG Inlet to RG Inflow, revised CB 4850 inlet type.
3. Sheet C-203 – Added limit of disturbance leader, revised CB 4004 inlet type.
4. Sheet C-204 – Added limit of disturbance leader.
5. Sheet C-205 – Added limit of disturbance leader, revised CB 4000 inlet type.
6. Sheet C-206 – Added limit of disturbance leader.
7. Sheet C-207 – Added limit of disturbance leader.
8. Sheet C-208 – Added limit of disturbance leader, revised pond maintenance note.
9. Sheet C-209 – Added limit of disturbance leader.
10. Sheet C-213 – Revised Profile EX-4004 to EX-4003 to clarify that the pipe between EX-4001 and EX-4003 should be 42", not 60".
11. Sheet C-503 – Revised pipe bedding material to AASHTO #57 aggregate.

5. Clarifications to Written Questions

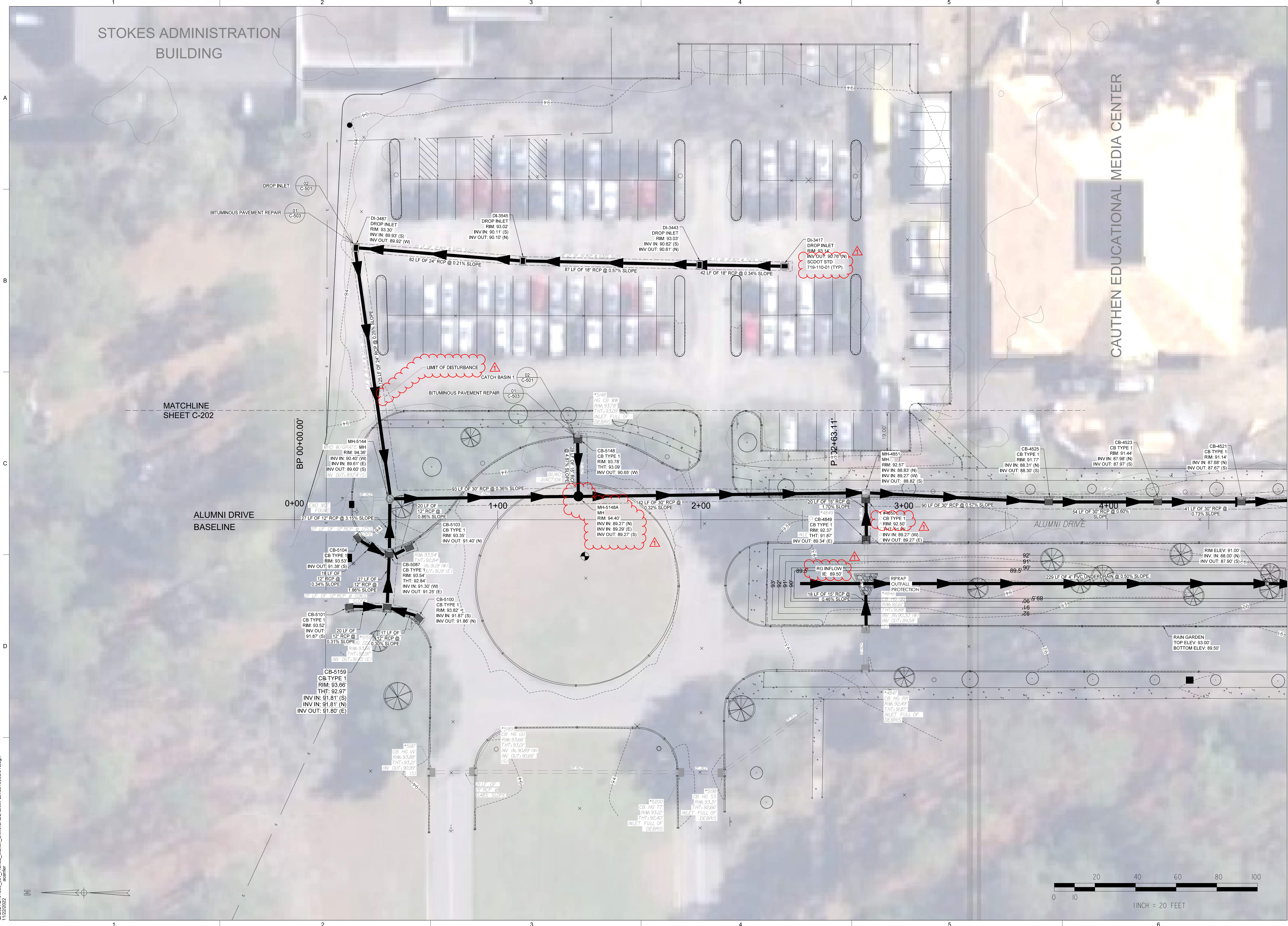
1. Additional details for drainage structures have been provided on the plans. CB Type 1 is the SCDOT Standard Type 1 inlet. Callout has been revised to “CB Type 1” for all CB HG inlets. The conveyance system is to be constructed in accordance with standard SCDOT specifications. Refer to Drop Inlet on SCDOT standard drawing 719-110-01 for additional information. This standard detail has been included as part of this addendum for clarity.
2. The contractor is to match the existing layout / alignment as much as possible, however, in some areas the existing drainage pipe appears to be in line with some of the existing trees. In these areas we show the proposed pipe network in the existing road, instead of the sidewalk. The contractor may provide an option for flowable fill in lieu of removing some of the old drainage infrastructure. Contractor shall coordinate with the engineer and owner in the field prior to this work.
3. On Sheet C-201 & C-202, there is an existing blind junction, and a new manhole (MH-5148A) has been added to this location.
4. Sheet C-207: There is no difference in structure type of Structures DI-3233 and DI-3234.
5. Sheet C-202: The “RG Inlet” notation is the rain garden’s inflow pipe end. Detail 04/C-502 is for the rain garden outlet structure. The call out on Sheet C-202 has been revised for clarity.
6. Sheet C-213: The pipe profile has been revised from 60” RCP to 42” RCP. This system is on Sheet C-205.
7. Detail 03/C-503 has been revised to show AASHTO #57 aggregate for pipe bedding and applies to HDPE pipe installation.
8. The plans have been revised to clarify the limit of disturbance line with additional callouts.
9. The work with the basin shall be limited vegetation removal within the basin bottom and the berm slopes. The contractor may cut trees and grind stumps to below grade within the existing basin. No grading / land disturbance is anticipated because of these efforts.
10. Unanticipated plant life demolition will NOT be accepted as a Change Order. The contractor shall be responsible for repairing or replacing all plant life damage outside of the limits of disturbance.
11. Regarding damage to existing trees/roots, the contractor shall coordinate with the University and their landscape staff prior to performing actions which may compromise the integrity of the trees on campus.
12. It is not anticipated that any utilities will be impacted during construction. However, it is the contractor’s responsibility to verify existing conditions prior to the start of construction and coordinate with the engineer and owner should a conflict arise.
13. Contractors are to bid within their license limits. For questions regarding licensing, contact LLR, Contractor’s Licensing Board.
14. Contractors may work Monday – Friday daylight hours. Owner must be notified if contractor wants to work on weekends/holidays.

15. The contractor must put forth all possible efforts to meet the goals for minority and female participation for each trade. For further guidance, please refer to the Notice of requirements for affirmative action to ensure equal employment opportunity (Executive Order 11246 and 41 CFR Part 60-4) found on page 71 of the Project Manual.
16. Though it is not readily available, 12" RCP is proposed due to cover issues and should be included with the base bid. However, the owner will consider substitutions post-award.
17. If the contractor has done their due diligence in ordering all materials for the project, but lead times exceed the contract time, FMU will grant the additional time only to contractor if no other acceptable materials can be found and used.
18. Price increases from suppliers will not be allowed as a Change Order to the project, unless the contractor can prove it is an "Extreme Hardship".
19. Laydown areas will be designated by the University once the bid has been awarded.
20. For traffic control, all bidders shall refer to General Note 8 on the cover sheet C-001. The contractor shall use standard SCDOT traffic control drawings as necessary.

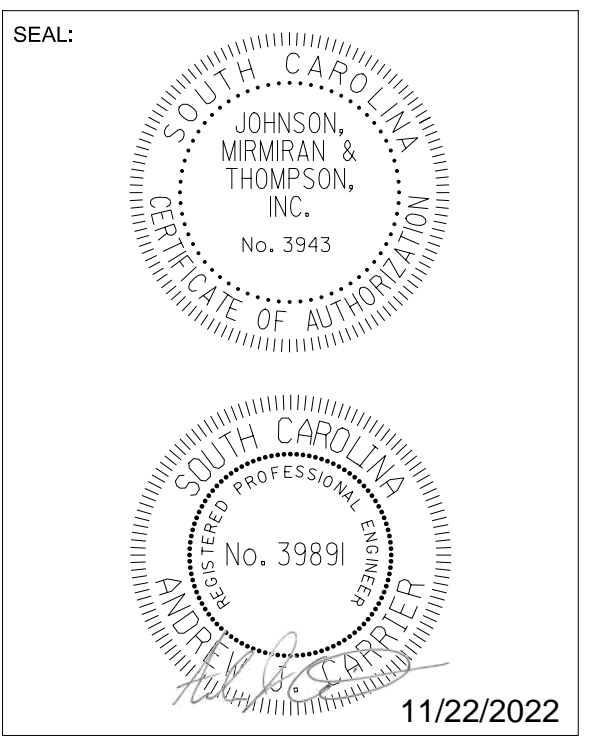
END OF ADDENDUM 3

STOKES ADMINISTRATION BUILDING

CAUTHEN EDUCATIONAL MEDIA CENTER



235 MAGRATH DARBY BLVD., SUITE 275
 MT. PLEASANT, SC 29464
 P: 843-556-2624 | F: 843-556-4329 | www.jmt.com



PREPARED FOR:
FRANCIS MARION UNIVERSITY
 4822 E PALMETTO ST.
 FLORENCE, SC 29506
 PHONE: (843)-661-1460

REVISIONS

NO.	DATE	DESCRIPTION
1	11/30/22	Addendum 3

PROJECT:
FRANCIS MARION UNIVERSITY
STORMWATER DRAINAGE IMPROVEMENTS
H18-N079-MJ

EDA AWARD #
04-79-07484

PROJECT LOCATION:
 4822 E PALMETTO ST.
 FLORENCE, SC 29506

PROJECT NUMBER:
 21-01560-001

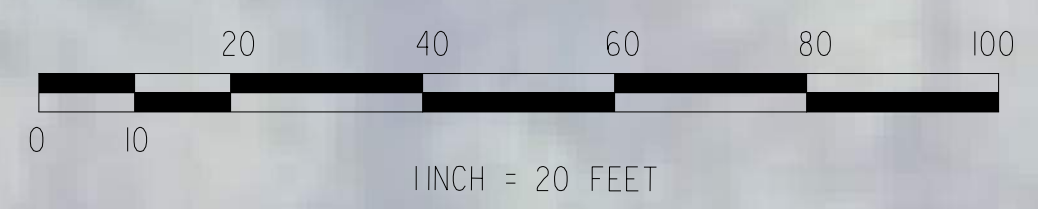
DATE:
 8/10/2022

SCALE:
 1" = 20'

PLAN SET:
 CONSTRUCTION PLAN

DRAWING TITLE:
PROPOSED DRAINAGE PLAN

DRAWING NUMBER:
C-201



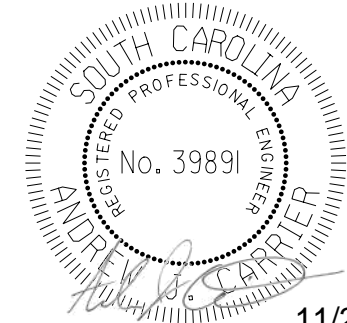
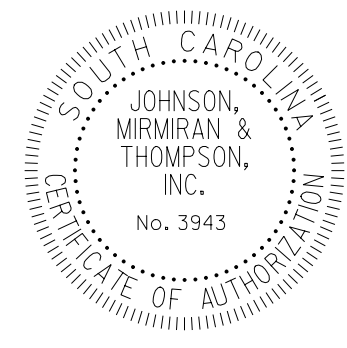
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 11/22/2022
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SCALE:



11/22/2022

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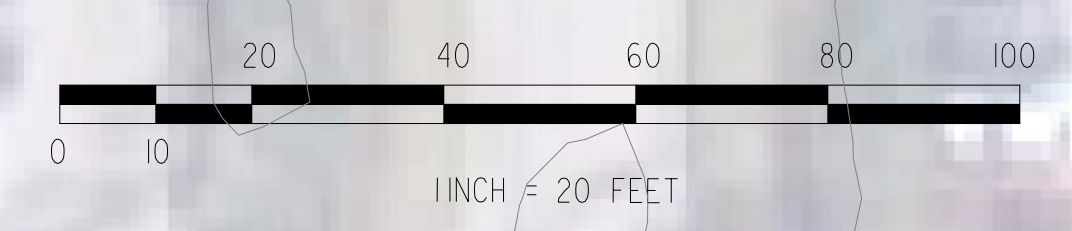
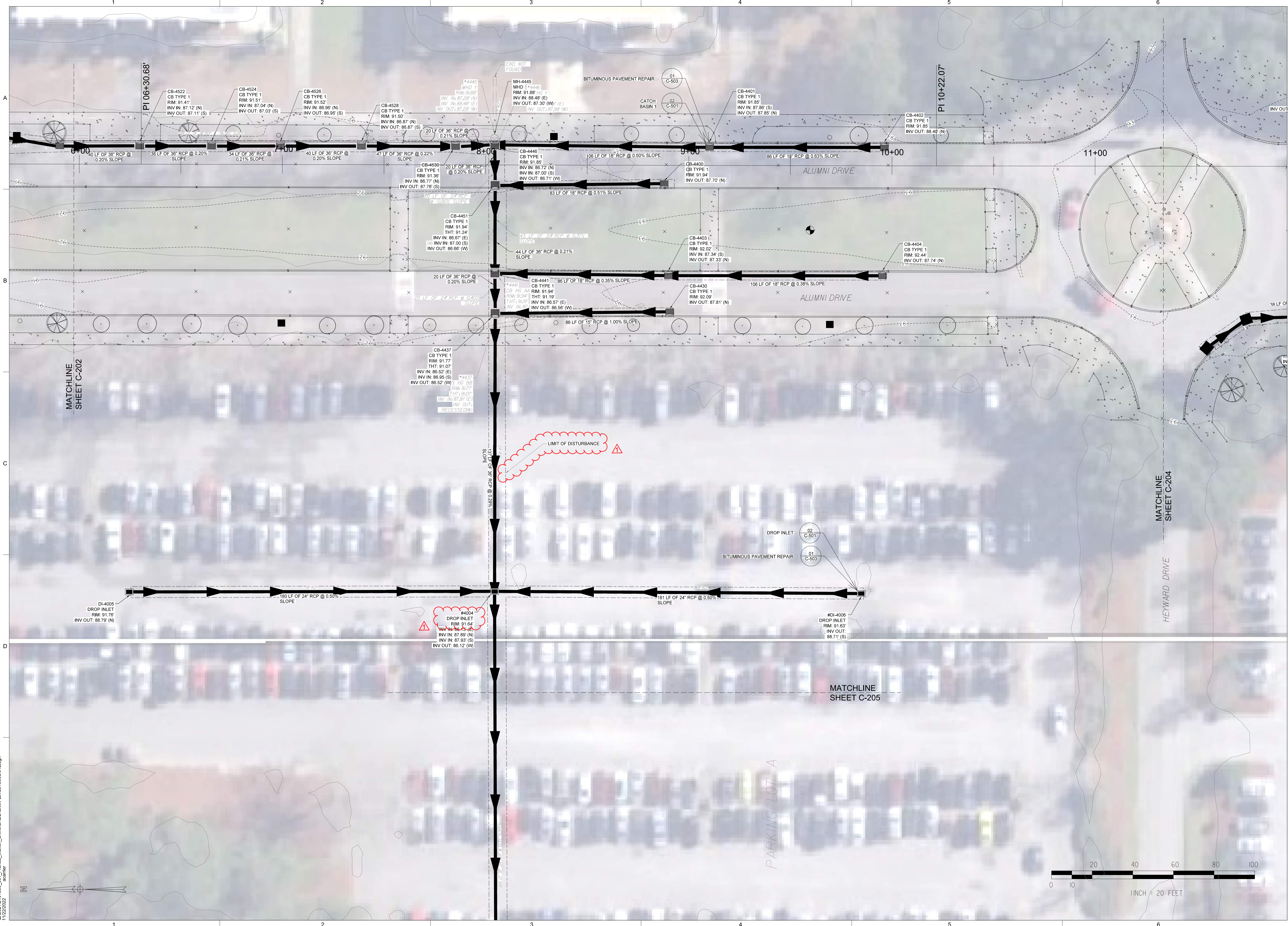
SCALE:
 1" = 20'

PLAN SET:
CONSTRUCTION PLAN

DRAWING TITLE:
PROPOSED DRAINAGE PLAN

DRAWING NUMBER:

C-203



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SEAL:

11/22/2022

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PROJECT NUMBER:
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DATE: 8/10/2022 SCALE: 1" = 20'

PLAN SET:
CONSTRUCTION PLAN

DRAWING TITLE:
PROPOSED DRAINAGE PLAN

DRAWING NUMBER:

C-209

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 acs@jmt.com

REFERENCES

NATIONAL DOCUMENTS
 ASTM C55, ASTM A706, AASHTO M55, AASHTO M105, AASHTO M306, AASHTO M111

SCDOT DOCUMENTS
 QUALIFIED PRODUCT LIST 14, QUALIFIED PRODUCT LIST 13

RELATED DRAWINGS & KEYWORDS
 719-110-01 TO 719-11-02, 719-105-01, 719-550-00, 719-420-00, 719-425-00, 719-305-00, 719-310-00

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
 NO. 8858
 NIMR E. S. EAGLE, II
 SYLVESTER EARLE, II

E. S. Eagle
 SIGNATURE

MARCH 3, 2008
 DATE

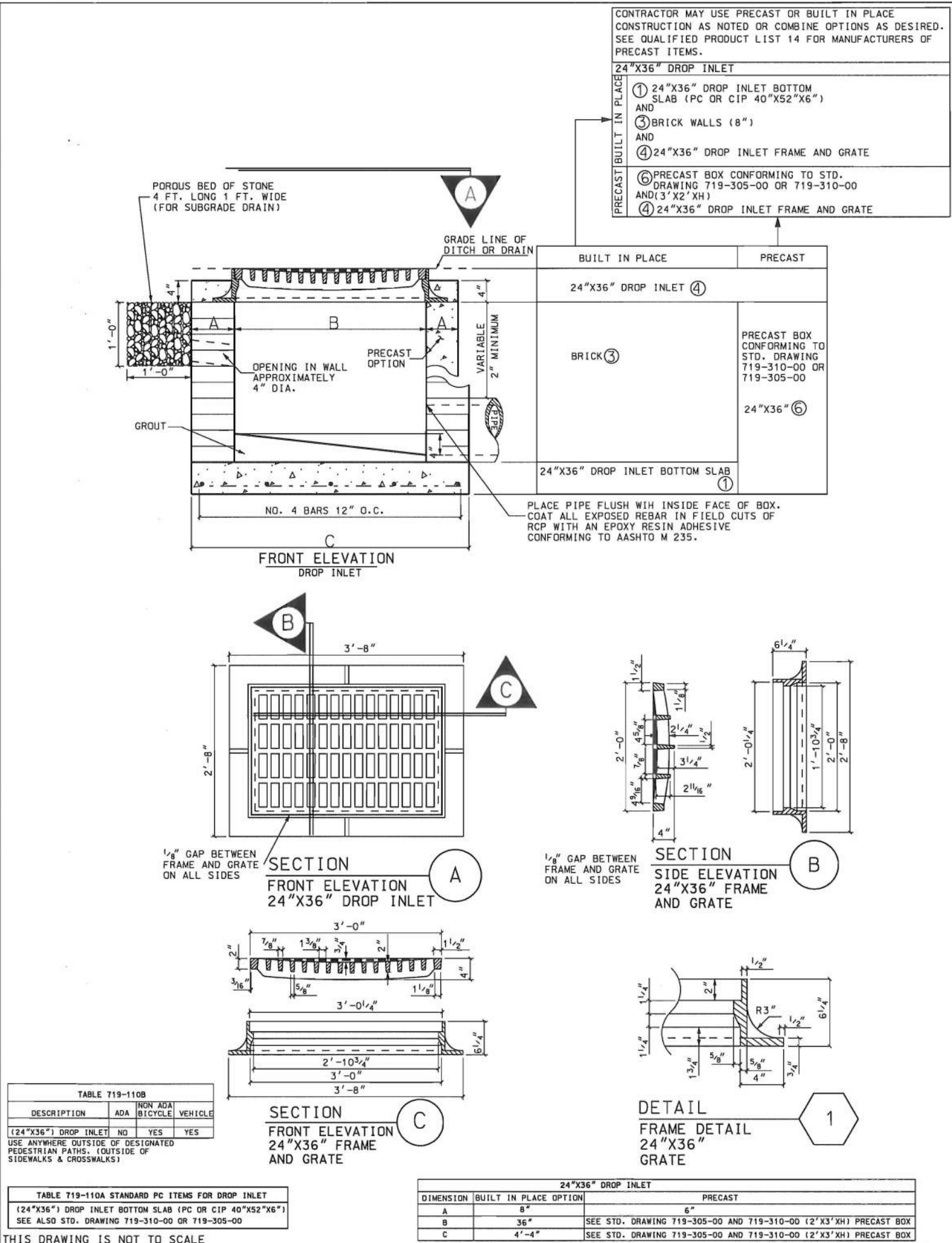
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5			
4			
3			
2			
1			
0	3/2008	DSO	GENERAL REVISIONS
#	DATE	CHK	DESCRIPTION

SCDOT
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DESIGN STANDARDS OFFICE
 955 PARK STREET
 ROOM 405
 COLUMBIA, SC 29201

STANDARD DRAWING
DROP INLET (24"X36") DETAILS

719-110-01

EFFECTIVE LETTING DATE MAY 2008



- NOTES:**
- SEE 719-105-01 FOR DROP INLET (24X24). FOR BUILT IN PLACE CONSTRUCTION OF THE CATCH BASIN WALLS, EITHER BRICK MASONRY (WALLS ONLY) OR CIP CLASS 3000 CONCRETE MAY BE USED. FOR PRECAST CONSTRUCTION, A MINIMUM OF CLASS 4000P CONCRETE SHALL BE USED.
 - CONCRETE WALLS ARE TO BE 6" THICK WITH A MINIMUM REINFORCING STEEL AREA OF 0.20 SQUARE INCHES PER FOOT UNLESS NOTED. FOR BRICK, THE WALLS ARE TO BE 8" THICK CONCRETE BRICK AND SIMILAR SOLID UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 55, GRADE S-11. THE INTERIOR DIMENSIONS ARE TO REMAIN AS SHOWN FOR EITHER TYPE OF CONSTRUCTION.
 - THE BOTTOM SLAB OF THE BOX SHALL BE A MINIMUM OF 6" THICK REINFORCED CONCRETE (CLASS 3000 OR 4000P) WITH A REINFORCING STEEL AREA OF 0.20 SQUARE INCHES PER FOOT. WIRE MESH BE USED IN LIEU OF STEEL BARS PROVIDED A MINIMUM OF 0.20 SQUARE INCHES PER FOOT 1'S MET.
 - MORTAR SHALL BE TYPE S OR M.
 - REINFORCING STEEL SHALL BE ASTM A-706, LOW-ALLOY STEEL DEFORMED BARS FOR CONCRETE REINFORCEMENT, GRADE 60. WIRE MESH SHALL CONFORM TO AASHTO M 55 AND M.
 - SEE STANDARD DRAWING 719-550-00 FOR STEPS, WHICH ARE REQUIRED WHEN STRUCTURE DEPTH EXCEEDS 4'-6".
 - SEE STANDARD DRAWINGS 719-420-00 AND 719-425-00 FOR DEPTHS GREATER THAN 12'. PRECAST CONCRETE CIRCULAR DRAINAGE STRUCTURES ARE REQUIRED WHEN THE DEPTH FROM THE TOP OF THE DRAINAGE BOX BOTTOM SLAB TO THE TOP OF THE GROUND EXCEEDS 12'-0".
 - LOCATION AND SIZE OF PIPES ARE SITE SPECIFIC. (SEE DRAINAGE PLANS). THE BOTTOM OF THE CATCH BASIN IS TO BE GROUTED TO THE LOWEST FLOW LINE ELEVATION OF ALL PIPES. BOTTOM SLAB IS CAST IN PLACE WITH PIPES INSTALLED, BOTTOM SLAB THICKNESS MUST BE ACHIEVED BEYOND PIPE OUTSIDE DIAMETER.
 - THE FLOOR OF THE BASIN MUST SLOPE IN THE DIRECTION OF THE OUTLET PIPE AS SHOWN AND THE INSIDE OF OUTLET PIPE SHALL BE FLUSH WITH FLOOR OF BASIN.
 - SEE STANDARD DRAWING 719-305-00 OR 719-310-00 FOR MAXIMUM PIPE DIAMETERS. THE PIPE SIZES SHOWN ARE MAXIMUM FOR BRICK AND PRECAST BOXES WHEN PIPE ENTERS PERPENDICULAR AND AT THE CENTER OF THE BOX WALL. CONTRACTOR SHOULD CONFIRM THAT PIPE USED FITS APPROPRIATELY INTO BOX.
- FRAME AND GRATE NOTES:**
- ALL CASTINGS SHALL CONFORM TO AASHTO M 105, CLASS 35B AND THE SPECIFICATIONS OF AASHTO M 306
 - (a) STEEL GRATES AND FRAME MAY BE USED IN LIEU OF CAST IRON AS LONG AS THE LOADING (NOTE 12C) AND HYDRAULIC REQUIREMENTS ARE MET, AND ARE ON THE DEPARTMENT'S LIST OF APPROVED SUPPLIERS. (QUALIFIED PRODUCT LIST 45)
 (b) STEEL GRATES SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111.
 (c) STEEL GRATES AND FRAMES SHALL BE DIMENSIONED TO BE INTERCHANGEABLE WITH EACH PIECE OF THE CAST IRON GRATE AND FRAME SHOWN. STEEL GRATES MUST HAVE POSITIVE MEANS TO BE RETAINED IN THE FRAME.
 (d) STRENGTH REQUIREMENTS OF STEEL GRATES AND FRAMES MUST MEET AASHTO M 306
 (e) MANUFACTURERS DESIRING TO BE PLACED ON THE DEPARTMENT'S QUALIFIED PRODUCT LIST SHOULD CONTACT THE MATERIALS AND RESEARCH ENGINEER FOR PROCEDURES.
 - THE LONGEST DIMENSIONS OF THE OPENING IN THE IRON GRATE SHOULD BE ORIENTED IN THE DIRECTION OF FLOW, IF PRACTICABLE. THIS GRATE IS NOT SUITABLE FOR PEDESTRIAN TRAFFIC BECAUSE GRATE OPENINGS EXCEED 1/2".
 - AS SHOWN BY THIS DRAWING, THE FRAME IS SET LEVEL, BUT THE RESIDENT CONSTRUCTION ENGINEER MAY SET SAME ON SLOPE AS REQUIRED BY LOCAL DRAINAGE CONDITIONS.
 - AFTER THE FRAME IS SET IN ITS FINAL POSITION, IT IS TO BE ENCASED WITH CONCRETE AS SHOWN BY DRAWING.
 - ALL MANUFACTURING PROCESSES FOR THE FRAME AND GRATE MUST OCCUR IN THE UNITED STATES.
- PRECAST NOTES:**
- THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING SATISFACTORY INSTALLATIONS. SEE STANDARD DRAWINGS FOR PRECAST CONCRETE DRAINAGE BOX OR STRUCTURE FOR ADDITIONAL DETAILS AND SPECIFICATIONS.
 - LIFT HOLES AND/OR DEVICES MAY BE PLACED AS NECESSARY. ALL LIFT HOLES SHALL BE GROUTED SHUT PRIOR TO COMPLETION OF THE INSTALLATION. ALL LIFTING METHODS MUST MEET OSHA REGULATIONS.
 - THE CONTRACTOR SHALL USE A SINGLE SOURCE MANUFACTURER CHOSEN FROM THE LIST ON QUALIFIED PRODUCT LIST 14 FOR PRECAST ITEMS ON THIS DRAWING.
 - FOLLOW QUALIFIED PRODUCT POLICY 14 IN ORDER TO BE LISTED ON QUALIFIED PRODUCT LIST 14.
 - CONTRACTOR MAY SUBMIT DESIGN DRAWINGS AND CALCULATIONS FOR MODIFICATIONS TO THIS ITEM ON A PROJECT BY PROJECT BASIS. MODIFICATIONS TO THESE ITEMS WILL NOT BE LISTED ON ANY QUALIFIED PRODUCT LIST. SUBMIT ALL PROPOSALS FOR PROJECT SPECIFIC MODIFICATIONS TO THE RESIDENT ENGINEER FOR REVIEW BY THE ENGINEER OF RECORD.
 - JOINTS BETWEEN INSTALLED PIECES AND PRECAST ITEMS TO BE PLACED SHALL BE SEALED WITH 1/2" GROUT LIFT OR AN APPROPRIATE PLASTIC PREFORMED GASKET (FROM QUALIFIED PRODUCT LIST 13.)
- PRECAST INSTALLATION NOTES:**
- BED SHALL BE PREPARED AND COMPACTED FOR PRECAST DRAINAGE STRUCTURE AS REQUIRED BY SCDOT STANDARD SPECIFICATIONS FOR PRECAST ITEMS. ELEVATION OF BEDDING MATERIAL SHALL BE APPROPRIATE TO ACCOMMODATE ELEVATION OF ALL PIPES AND REQUIRED BOX TOP ELEVATION.
 - PLACE AND LEVEL PRECAST BOX OR SLAB.
 - PIPES SHALL BE INSTALLED AND GROUTED IN PLACE.
 - PIPES AND BOX SHALL BE BACKFILLED AND COMPACTED AS REQUIRED BY SCDOT STANDARD SPECIFICATIONS.
 - ANY LOCATION WHERE THE ABOVE REQUIREMENTS CANNOT BE MET SHALL BE COMPLETED USING CAST IN PLACE MATERIALS MEETING THE REQUIREMENTS OF THIS STANDARD DRAWING. ANY ADDITIONAL MATERIALS OR COSTS ASSOCIATED WITH THE USE OF PRECAST SHALL BE PAID FOR BY THE CONTRACTOR AND MAY NOT BE CHARGED TO SCDOT.
 - THE CONTRACT UNIT PRICE FOR DROP INLETS SHALL INCLUDE THE COST OF FURNISHING ALL MATERIALS, (BUILT IN PLACE OR PRECAST), AND WORK INCIDENTAL TO THE CONSTRUCTION OF THE STRUCTURE COMPLETE IN PLACE AS SHOWN, INCLUDING THE CURB AND GUTTER, IN ACCORDANCE WITH THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
 - PRECAST CONCRETE CIRCULAR STRUCTURES (AS SHOWN ON 719-420-00) ARE REQUIRED FOR THE FOLLOWING APPLICATIONS UNLESS PROHIBITED BY THE PLANS OR SPECIAL PROVISIONS.
 (a) ON DRAINAGE STRUCTURES WITH A DEPTH EQUAL TO OR GREATER THAN 12 FEET.
 (b) ON DRAINAGE STRUCTURES WHERE THE FLOW LINE ELEVATION OF THE INLET PIPE IS EQUAL TO OR HIGHER THAN THE INSIDE TOP (SOFFIT) OF THE OUTLET PIPE.
 (c) AS REQUIRED BY THE PROJECT PLANS.
- 30. THE PAY ITEM SHALL BE:**
 DROP INLET (24"X36")-----EA
- USE SHEETS 719-110-01 THROUGH 719-110-02 FOR THIS ITEM.