

**OXFORD MAYOR AND COUNCIL
WORK SESSION
MONDAY, JANUARY 22 – 6:00 P.M.
CITY HALL
A G E N D A**

1. **Mayor's Announcements**
2. **City Solicitor** – Council will discuss the process to appoint a new City Solicitor.
3. **Change Order for the Insertion Valve for Emory Sewer Project** – As part of the construction of the sewer main, we added a 6” insertion valve in the cast iron water main that parallels the new sewer line on the westside of Emory Street. We estimate that the cost for the work associated with adding the valve will be approximately \$10,000. Council will vote to formally approve the change order at the February Regular Session meeting.
4. * **GEFA Loan Modification Resolution** – The Georgia Environmental Finance Authority has asked us to update, for a second time, our project completion date for the N. Emory Sewer Project. We have attached the resolution.
5. * **Moore Street Sidewalk Civil Plans** – Council will continue discussions regarding the city's plan to install a sidewalk along the south side of Moore Street from Longstreet Circle to Emory Street (Hwy 81).
6. * **E. Clark Street Extension** – Council will discuss how the project will be adapted to reflect the new street design that was approved at the January Regular Session meeting.
7. **107 W. Clark Street Renovation Project** – The *ad hoc* Yarbrough House Renovation Committee will report on the progress of the 107 W. Clark Street Renovation Project.
8. * **Community Development Coordinator** – Council previously considered but did not approve creation of the position. Some members have expressed interest in revisiting the subject. We have attached a draft job description for the position.
9. **City Representative with the Newton County Water & Sewerage Authority** – Council will discuss whether they will re-appoint Terry Smith as the representative for the city with the Newton County Water & Sewerage Authority.

*Attachments

EXTRACT OF MINUTES
RESOLUTION OF GOVERNING BODY

Recipient: CITY OF OXFORD

Loan Number: 2016L06WQ

At a duly called meeting of the governing body of the Borrower identified above (the "Borrower") held on the _____ day of _____, _____, the following resolution was introduced and adopted.

WHEREAS, the Borrower has borrowed \$525,000 from the **GEORGIA ENVIRONMENTAL FINANCE AUTHORITY** (the "Lender"), pursuant to the terms of the Loan Agreement (the "Loan Agreement"), dated **DECEMBER 2, 2016**, between the Borrower and the Lender; and

WHEREAS, the Borrower's obligation to repay the loan made pursuant to the Loan Agreement is evidenced by a Promissory Note (the "Note"), dated **NOVEMBER 21, 2016**, of the Borrower; and

WHEREAS, the Borrower and the Lender have determined to amend and modify the Note and the Loan Agreement, pursuant to the terms of a Second Modification of Promissory Note and Loan Agreement (the "Second Modification") between the Borrower and the Lender, the form of which has been presented to this meeting;

NOW, THEREFORE, BE IT RESOLVED by the governing body of the Borrower that the form, terms, and conditions and the execution, delivery, and performance of the Second Modification are hereby approved and authorized.

BE IT FURTHER RESOLVED by the governing body of the Borrower that the terms of the Second Modification are in the best interests of the Borrower, and the governing body of the Borrower designates and authorizes the following persons to execute and deliver, and to attest, respectively, the Second Modification, and any related documents necessary to the consummation of the transactions contemplated by the Second Modification.

(Signature of Person to Execute Documents) (Print Title)

(Signature of Person to Attest Documents) (Print Title)

The undersigned further certifies that the above resolution has not been repealed or amended and remains in full force and effect.

Date: _____

Secretary/Clerk

(SEAL)

CITY OF OXFORD MOORE STREET SIDEWALK

Prepared For:
CITY OF OXFORD, GEORGIA
110 West Clark Street
Oxford, GA 30054
Contact: Matt Pepper (770) 786-7004

JANUARY 4, 2019

REVISION 0

Prepared By:
JORDAN ENGINEERING, INC.
144 North Warren Street,
Monticello, GA 31064
706-468-8999 robert@jordan-eng.com

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL CALL (800) 282-7411 TO REQUEST A UTILITY LOCATE A MINIMUM OF 3 DAYS PRIOR TO THE START OF ANY EXCAVATION AS SHOWN AND NOTED ON THE APPROVED PLANS.
2. ALL NECESSARY PERMITS TO PERFORM THE WORK AS SHOWN AND NOTED HEREON SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION FROM LOCAL, STATE, AND FEDERAL AGENCIES.
3. ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE, AND FEDERAL RULES, REGULATIONS, AND STANDARDS.
4. UNDERGROUND UTILITY LINE LOCATIONS DEPICTED HEREON ARE BASED ON BEST AVAILABLE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND/OR VERIFY THE EXACT LOCATION OF WATER, SANITARY SEWER, GAS, POWER, AND OTHER UTILITIES. THE ENGINEER ASSUMES NO RESPONSIBILITY RELATED TO UTILITY LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES AND SHALL NOTIFY THE ENGINEER IMMEDIATELY IF EXISTING UTILITIES DISCOVERED WILL EFFECT OR IMPEDE THE PROGRESSION OR COMPLETION OF THE DESIGN INTENT OF THESE CONSTRUCTION DOCUMENTS.
5. THE CONTRACTOR SHALL COORDINATE NECESSARY RELOCATION OF EXISTING UTILITIES WITH THE APPROPRIATE UTILITY ENTITY PRIOR TO THE START OF ANY CONSTRUCTION. THE COSTS FOR RELOCATION OF UTILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER-DEVELOPER.
6. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT DISRUPTIONS OF UTILITY SERVICE. DAMAGED UTILITIES SHALL BE REPAIRED THE SAME DAY IF POSSIBLE.
7. CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
8. THE PROPERTY AS SHOWN HEREON IS NOT WITHIN A 100-YEAR FLOOD HAZARD AREA PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY.
9. THE OWNER AND/OR THE APPLICABLE LOCAL INSPECTOR SHALL DIRECT THE CONTRACTOR AS TO WHAT EXISTING VEGETATION MAY BE REMOVED BEYOND THE CLEARING LIMITS AS SHOWN AND NOTED HEREON. THE CONTRACTOR SHALL EXERCISE CARE TO PROTECTING EXISTING TREES TO REMAIN, COORDINATE ALL TREE REMOVAL WITH OWNER PRIOR TO THE START OF ANY CONSTRUCTION.
10. THIS PROPERTY IS SUBJECT TO ALL RIGHT-OF-WAYS & EASEMENTS SHOWN OR NOT SHOWN, RECORDED OR NOT RECORDED.
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT PRIOR TO ORDERING PROJECT MATERIALS, THAT THE MOST CURRENT SET OF CONSTRUCTION DOCUMENTS HAVE BEEN OBTAINED FROM THE PROJECT ENGINEER INCLUDING, BUT NOT LIMITED TO, THE PERMITTED SET(S) FROM ALL APPLICABLE AGENCIES AS APPROPRIATE. THE PROJECT ENGINEER SHALL ACCEPT NO RESPONSIBILITY FOR IMPROPER ORDERING OF MATERIALS.
12. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION AND DETENTION FACILITIES ARE CONSTRUCTED.
13. NOTIFY THE JURISDICTIONAL INSPECTOR 24 HOURS PRIOR TO CONSTRUCTION.
14. NO VEGETATIVE OR DEBRIS BURIAL PITS ARE ALLOWED ON THIS PROJECT SITE.
15. THE OWNER/DEVELOPER AND ENGINEER HAVE REVIEWED THE APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING DEVELOPMENT ACTIVITIES ADJACENT TO FLOOD PLAINS AND WETLANDS AND HAVE DETERMINED THAT THIS DEVELOPMENT PLAN SATISFIES THE STANDARDS PRESENTED IN APPLICABLE REGULATIONS.
16. POTABLE WATER SERVICE TO BE PROVIDED BY: NOT APPLICABLE.
17. IF VEHICULAR SIGNAGE AND STRIPING IS SPECIFIED HEREON, IT IS TO BE INSTALLED AS PER M.U.T.C.D. SPECIFICATIONS.
18. NOTICE: ALL CONSTRUCTION PROJECT SITES SHALL HAVE PERMITS POSTED ON SITE WITHIN AN APPROVED PERMIT BOX. SAID PERMIT BOX MUST BE VISIBLE FROM THE ROAD THAT IMMEDIATELY ACCESSES THE PROPOSED NEW DEVELOPMENT.
19. CONTRACTOR IS TO RE-ESTABLISH PROPERTY CORNER MONUMENTS DISTURBED DURING CONSTRUCTION. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO RECORD LOCATION OF THE EXISTING MONUMENTS PRIOR TO CONSTRUCTION.

24 Hour Contact Person:
JODY REID
Phone: (404) 725-6519



GRADING NOTES:

1. GROUND SURFACE PREPARATION: REMOVE VEGETATION INCLUDING GRASS, ROOTS, AND SURFACE ORGANICS, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACEMENT OF FILLS. PLOW, STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL SO THAT FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN EXISTING GROUND SURFACE HAS A DENSITY LESS THAN THAT SPECIFIED UNDER COMPACTION FOR PARTICULAR AREA CLASSIFICATION, BREAK UP GROUND SURFACE, PULVERIZE, MOISTURE CONDITION TO OPTIMUM MOISTURE CONTENT, AND COMPACT TO REQUIRED DEPTH AND PERCENTAGE OF MAXIMUM DENSITY.
2. COMPACT SUBGRADE AND EACH LAYER OF FILL TO A MINIMUM 95% OF THE STANDARD PROCTOR DENSITY TO A DEPTH OF 12 INCHES.
3. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 12 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 6 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS.
4. BEFORE COMPACTION, MOISTEN AND AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE.
5. MOISTURE CONTROL: WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF FILL. APPLY WATER IN MINIMUM QUANTITY AS NECESSARY TO PREVENT FREE WATER FROM APPEARING ON THE SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS.
6. REMOVE AND REPLACE OR SCARIFY AND AIR DRY FILL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY.
7. SPREAD SOIL MATERIAL THAT HAS BEEN REMOVED BECAUSE IT IS TOO WET TO PERMIT COMPACTION. ASSIST DRYING BY DISING, HARROWING, OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO A SATISFACTORY VALUE.
8. QUALITY CONTROL TESTING DURING CONSTRUCTION: ALLOW GEOTECHNICAL TESTING SERVICE TO INSPECT AND APPROVE EACH SUBGRADE OR FILL LAYER BEFORE FURTHER BACKFILL OR CONSTRUCTION WORK IS PERFORMED. TESTING SHOULD BE PERFORMED FOR EVERY 10,000 SQUARE FEET OF AREA FOR EACH ONE FOOT LIFT OR AS DIRECTED BY A REGISTERED GEOTECHNICAL ENGINEER.
9. GEOTECHNICAL SPECIFICATIONS DEPICTED HEREON ARE GUIDELINES ONLY AND SHOULD BE VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. RECOMMENDATIONS FROM A REGISTERED GEOTECHNICAL ENGINEER (IF ANY) SHALL SUPERSEDE THE ABOVE REFERENCED SPECIFICATIONS.
10. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THE DISCOVERY OF ANY GROUNDWATER, SUB-SURFACE SEEPAGE, OR SPRINGS DURING THE COURSE OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO CONSULT WITH A REGISTERED GEOTECHNICAL ENGINEER TO INSPECT THE SITE, AND TO MAKE ANY RECOMMENDATIONS REGARDING EVIDENCE AND REMEDIATION (IF ANY) OF SAID SUBSURFACE WATERS.
11. ALL CUT AND FILL SLOPES SHALL BE FLATTER THAN OR EQUAL TO 3H:1V UNLESS SPECIFICALLY CALLED OUT ON PLANS.
12. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED.
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH SUITABLE STRUCTURAL FILL MATERIAL FOR THE PROJECT AND TO DISPOSE OF ANY UNSUITABLE MATERIAL, UNUSED TOPSOIL, OR WASTE MATERIAL REQUIRED TO CONSTRUCT THE PROPOSED PROJECT. THE OWNER RESERVES THE RIGHT TO REJECT IMPORTED FILL MATERIAL BASED ON GEOTECHNICAL TESTING OR THE PRESENCE OF ORGANIC MATERIAL OR DEBRIS.

STORM DRAIN MATERIALS:

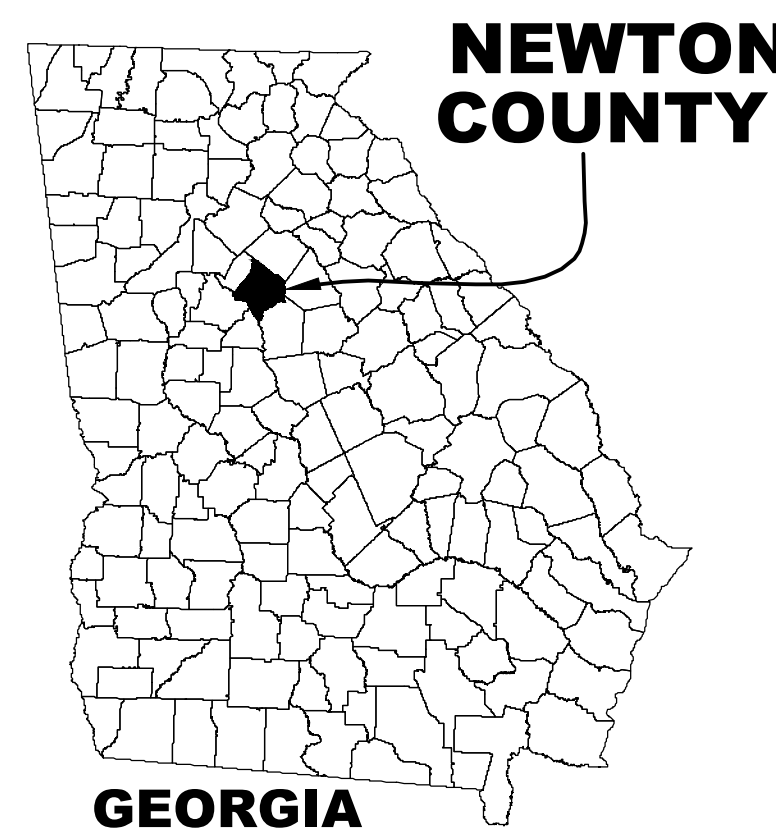
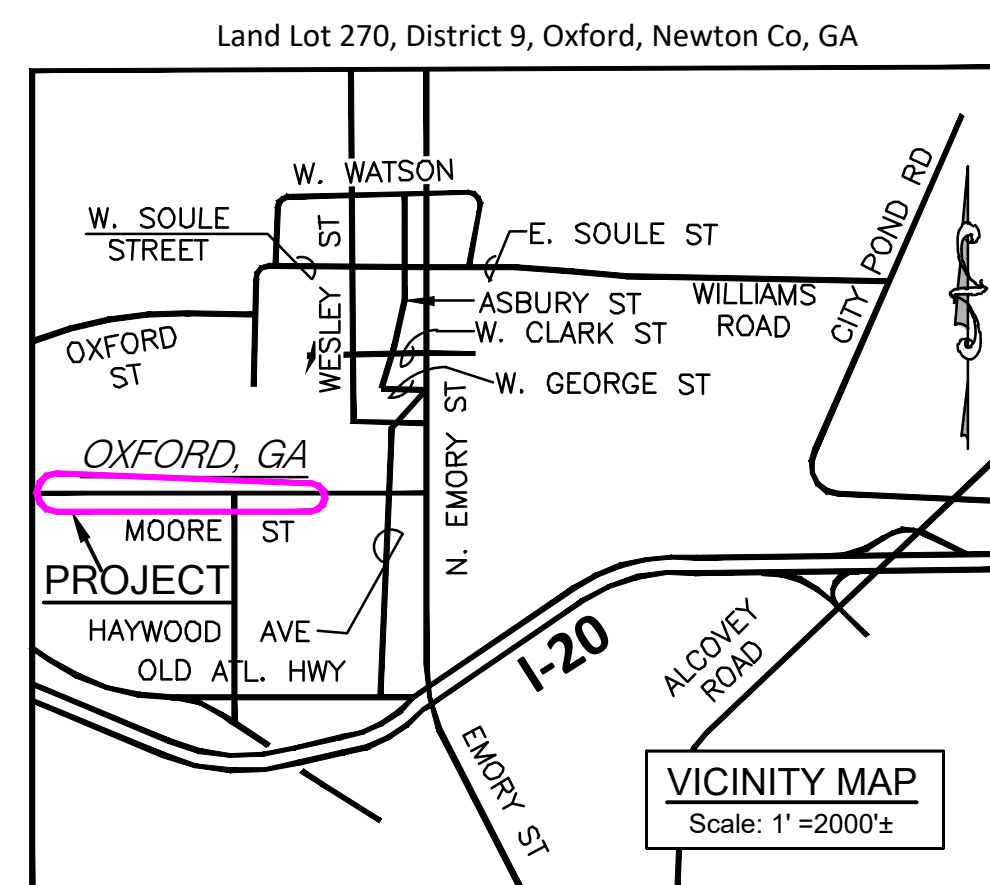
1. STORM DRAIN PIPES ARE TO BE ADS N-12 DOUBLE-WALLED CORRUGATED HDPE OR APPROVED EQUAL UNLESS OTHERWISE NOTED AND SHALL BE CONSTRUCTED AND INSTALLED AS PER LOCAL AND/OR GEORGIA DOT STANDARDS.

DAMAGED FACILITIES:

1. ANY LOCAL, STATE, OR FEDERAL OWNED INFRASTRUCTURE OR PROPERTY DAMAGED DURING OR AS A RESULT OF CONSTRUCTION OF THIS PROJECT WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF SAID JURISDICTIONAL AUTHORITY. THIS INCLUDES BUT IS NOT LIMITED TO PAVING, CURB AND GUTTER, SHOULDERS, DITCHES, STORM DRAINAGE PIPES OR STRUCTURES, SIGNS, WATER DISTRIBUTION LINES AND RELATED APPURTENANCES, WASTEWATER OR SANITARY SEWER LINES AND RELATED APPURTENANCES, LANDSCAPING OR PLANTING ALONG WITH ALL OTHER RELATED ITEMS ASSOCIATED WITH LANDSCAPING, SUCH AS IRRIGATION SYSTEMS AND ANY PUBLIC FENCING WITHIN PUBLIC RIGHTS-OF-WAY.

CONSTRUCTION STANDARDS NOTE:

NOTICE! ALL CONSTRUCTION, GRADING, INSTALLATION OF ALL NEW ONSITE INFRASTRUCTURE AND MATERIALS FOR SAME, AND ANY OFFSITE PUBLIC IMPROVEMENTS PROPOSED AS A PART OF THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH ALL RULES, REGULATIONS, STANDARDS AND SPECIFICATIONS OF THE CITY OF OXFORD INCLUDING THE LATEST REVISED EDITION OF THE APPROPRIATE STANDARD DETAILS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THE LATEST REVISED EDITION OF SAID STANDARD DETAILS.



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LEGEND

SOLID ROD/REBAR FOUND	•
OPEN TOP PIPE FOUND	○
CONCRETE MONUMENT	⊗
IRON PIN SET	○
BEARING CHANGE / NO PIN SET	△
TRAVERSE POINT / NAIL SET	△
NPDES SAMPLING POINT	⊙
EXISTING	PROPOSED
RIGHT-OF-WAY LINE	---
CENTERLINE	---
EDGE OF PAVEMENT	---
POWER	---
WATER	---
SANITARY SEWER	---
SANITARY MANHOLE	⊙
OVERHEAD PHONE	---
OVERHEAD UTILITY	---
FIBER/COMMUNICATION	---
CHAINLINK FENCE	---
WIRE FENCE	---
MASONARY WALL	---
WOODEN FENCE	---
RAILROAD	---
BUILDING	---
STORM PIPE	---
SURFACE FLOW	---
CONTOUR	624
SIGN	---
MAILBOX	---
VALVE	---
HYDRANT	---
ORNAMENTAL SHRUB	---
HARDWOOD TREE	---
EVERGREEN TREE	---
OTHER TREE	---
CONCRETE PAVEMENT	---
ASPHALT PAVEMENT	---
LANDSCAPING/MULCH	---
RIP-RAP	---

ABBREVIATIONS

FES	FLAIRED END SECTION	NOF	NOW OR FORMERLY	FM	FORCE MAIN
WI	WEIR INLET	IPF	IRON PIN FOUND (SOLID ROD)	GAB	GATE VALVE
DWCB	DOUBLE-WING CATCH BASIN	GR	GRADED	GV	GATE VALVE
SWCB	SINGLE-WING CATCH BASIN	R/W	RIGHT OF WAY	HW	HEAD WALL
DI	DROP INLET	MP	MILEPOST	MH	MAN HOLE
CO	CLEAN OUT	CMP	CORRUGATED METAL PIPE	JB	JUNCTION BOX
FFE	FINISHED FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE	INV	INVERT
CY	CUBIC YARDS	EOP	EDGE OF PAVEMENT	NTS	NOT TO SCALE
AC	ACRES	PVC	POLYVINYL CHLORIDE PIPE	PC	POINT OF CURVATURE
CF	CUBIC FEET	BSL	BUILDING SETBACK LINE	POC	POINT ON CURVE
CFS	CUBIC FEET PER SECOND	LP	LIGHT POLE	R	RADIUS
FT	FEET	PP	POWER POLE	WV	WATER VALVE
		LLL	LAND LOT LINE	SW	SIDEWALK



COVER AND
GENERAL NOTES

Moore Street Sidewalk
Oxford, Newton County, Georgia

Rev	Description	Date
0	Initial Issue	01/04/19

Sheet No.
1

SUBJECT PROPERTY INFORMATION:
 CURRENT OWNER: XXXXX
 DEED RECORD: D.B. XX, p. X
 PLAT RECORD: P.B. XX, p. X
 TAX RECORD: TAX MAP XX, PARCEL XX

THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE
 PRECISION OF ONE FOOT IN XXXXX FEET, AND AN ANGULAR
 ERROR OF XX" PER ANGLE POINT, AND WAS ADJUSTED USING THE
 COMPASS RULE METHOD.

THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO
 BE ACCURATE WITHIN ONE FOOT IN XXXXXXX FEET.

FIELD DATA WAS COLLECTED USING A TOPCON GPT2003W
 ELECTRONIC TOTAL STATION LEICA TS12 ROBOTIC TOTAL STATION
 AND A CHAMPION TKO JAVAD TRIUMPH-LS DUAL-FREQUENCY RTK
 GLOBAL POSITIONING SYSTEM RECEIVER REFERENCING THE eGPS
 STATEWIDE NETWORK AND HAVING A RELATIVE POSITIONAL
 ACCURACY OF LESS THAN 0.04 FEET.

FIELD SURVEY COMPLETED IN XXXXX 2016.

THE PROPERTY SHOWN HEREON IS NOT LOCATED WITHIN A
 FLOODPLAIN AS DETERMINED FROM THE FEDERAL EMERGENCY
 MANAGEMENT AGENCY MAP PANEL 13159C xxxC FOR XXXXXX
 COUNTY, GEORGIA DATED XX-XX-XX.

EASEMENTS OR RIGHTS-OF-WAY MAY EXIST WHICH ARE NOT
 SHOWN HEREON AND MAY BE RECORDED OR UNRECORDED.

COORDINATES DEPICTED HEREON REFERENCE THE GEORGIA STATE
 PLANE SYSTEM, WEST ZONE, NAD83, IN US FEET. VERTICAL
 INFORMATION PROVIDED HEREON REFERENCES NAVD83.

A 25-FOOT UNDISTURBED BUFFER IS ESTABLISHED BY THE STATE
 OF GEORGIA FROM THE TOP OF CREEK BANKS ON BOTH SIDES OF
 CREEKS FOR EROSION CONTROL PURPOSES.

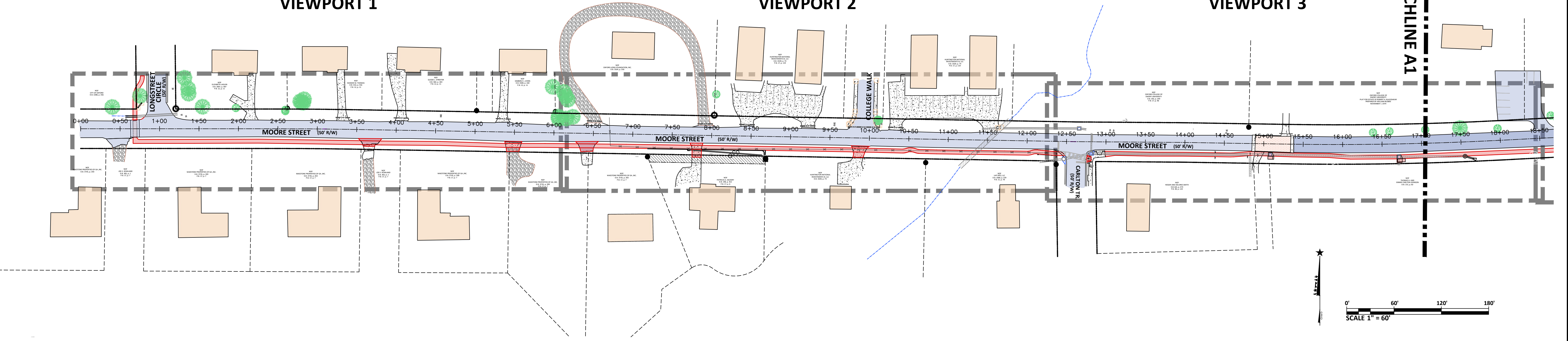
- LEGEND**
- OPEN-TOP PIPE FOUND
 - SOLID ROD (REBAR) FOUND
 - 1/2" SOLID ROD (REBAR) SET
 - ⊗ BEARING CHANGE (NO PIN SET)
 - △ SURVEYOR'S NAIL SET
 - ADJOINING PROPERTY LINE
 - OVERHEAD POWER
 - POWER POLE
 - P.O.B. POINT OF BEGINNING
 - P.O.R. POINT OF REFERENCE
 - NOF NOW OR FORMERLY
 - D.B. DEED BOOK
 - P.B. PLAT BOOK
 - LL LAND LOT
 - OTP OPEN-TOP PIPE

VIEWPORT 1

VIEWPORT 2

VIEWPORT 3

MATCHLINE A1

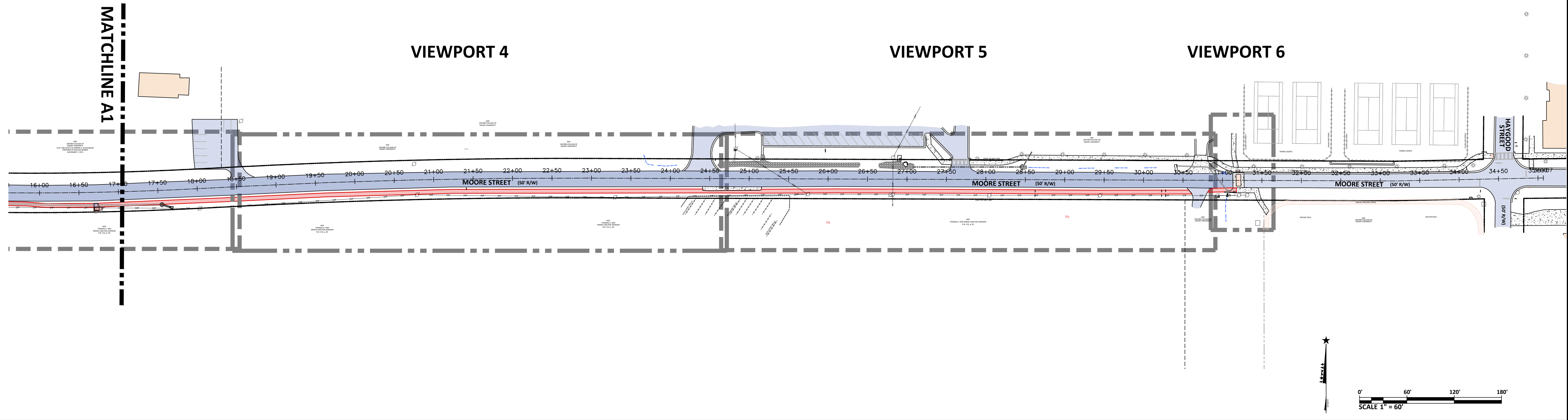


VIEWPORT 4

VIEWPORT 5

VIEWPORT 6

MATCHLINE A1

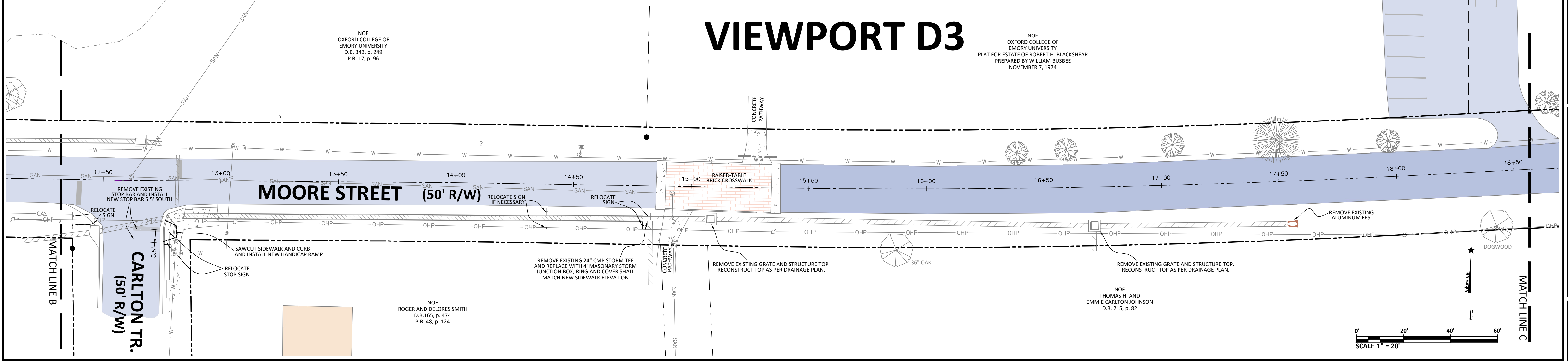
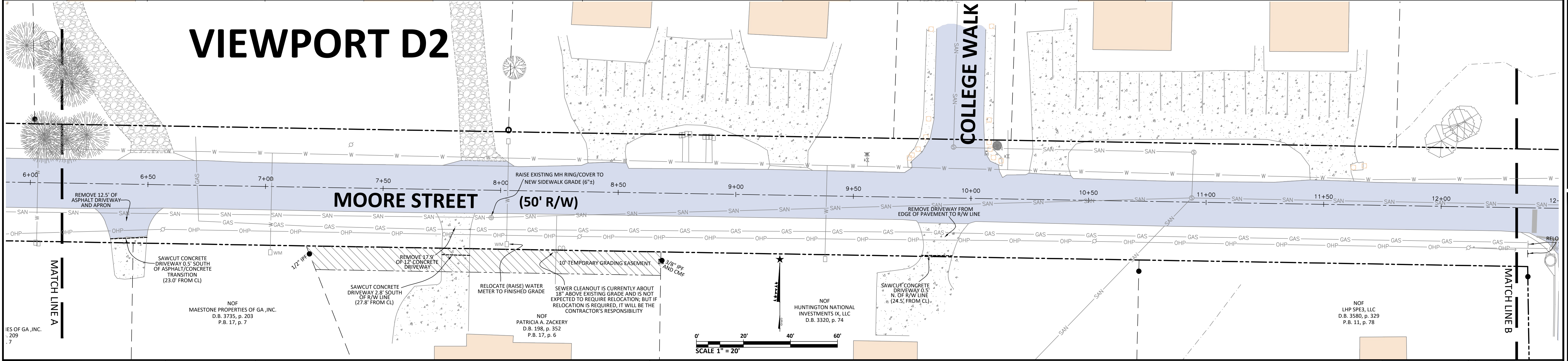
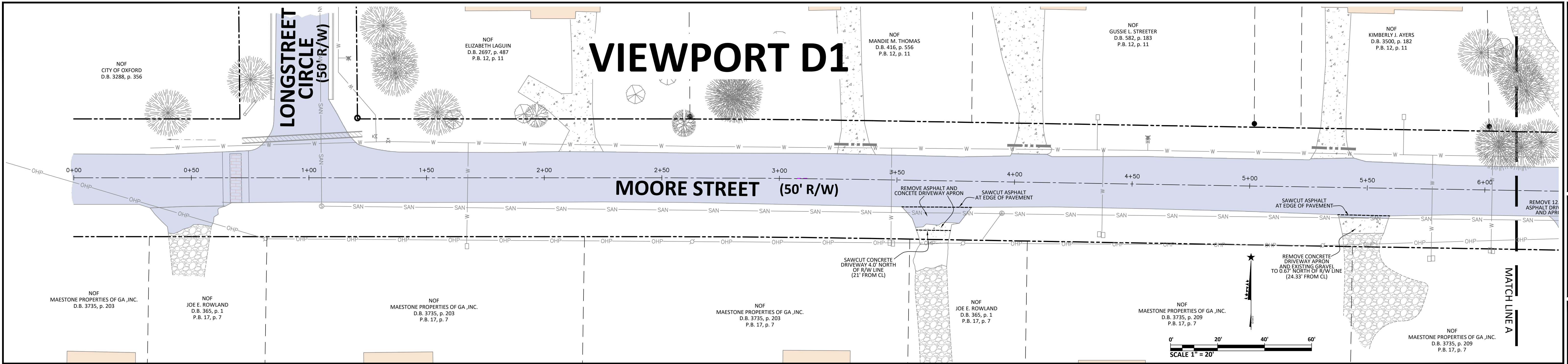


SITE OVERVIEW

Moore Street Sidewalk
 Oxford, Newton County, Georgia

Rev	Revision Description	Date
0	Initial Issue	01/04/19

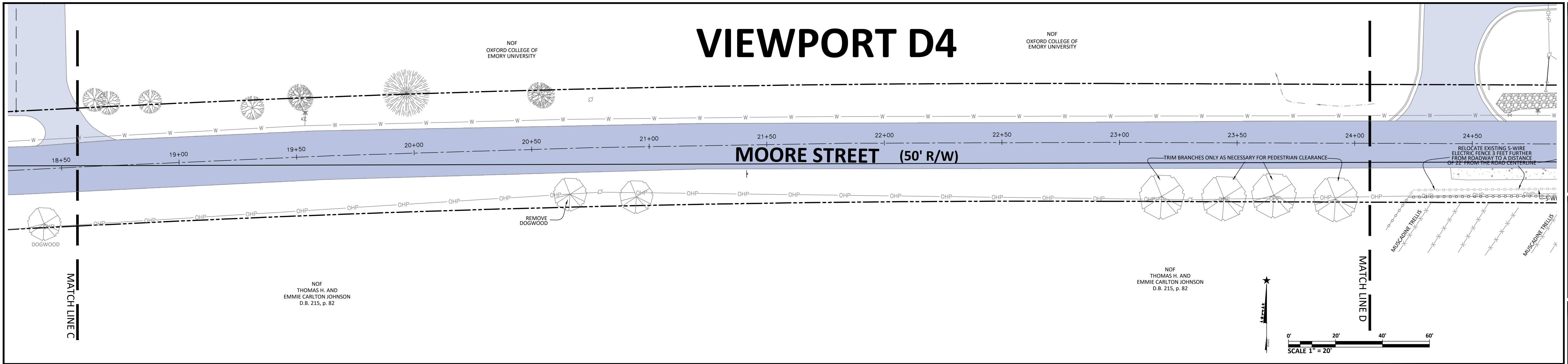
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2



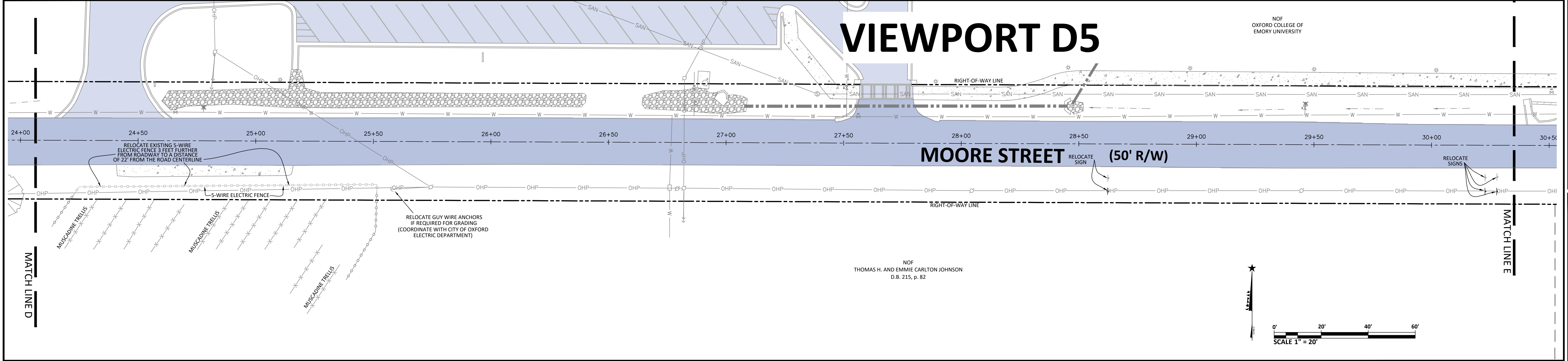
Rev	Revision Description	Date
0	Initial Issue	01/04/19

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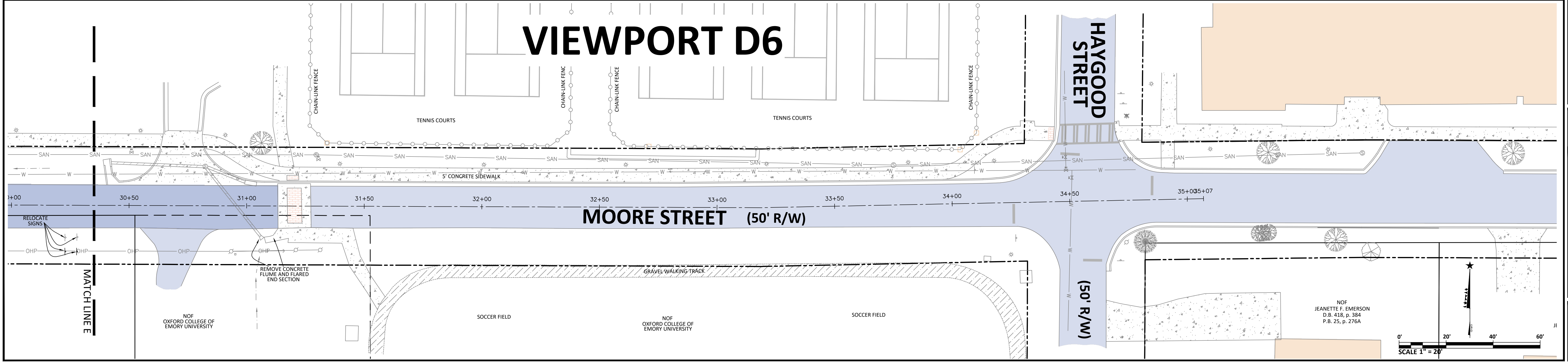
VIEWPORT D4



VIEWPORT D5

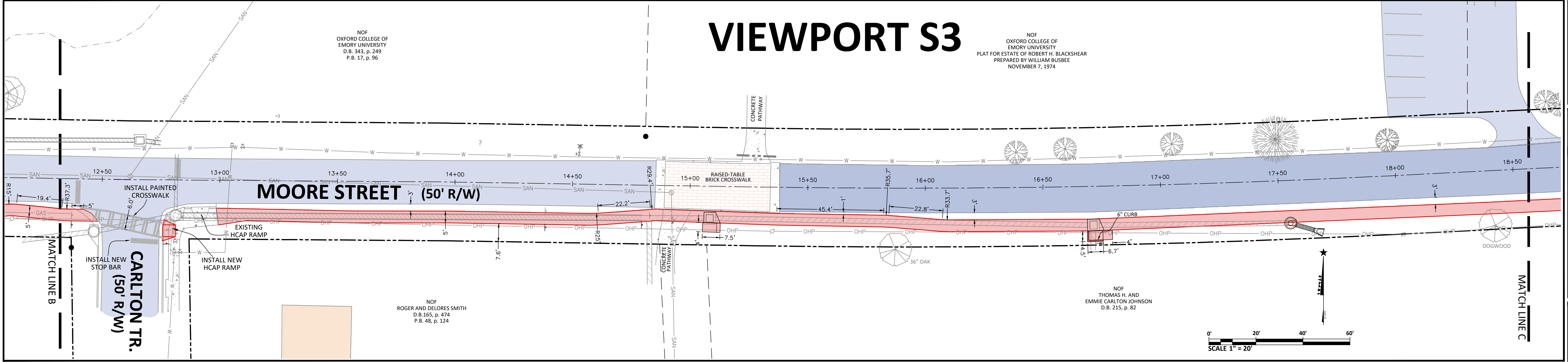
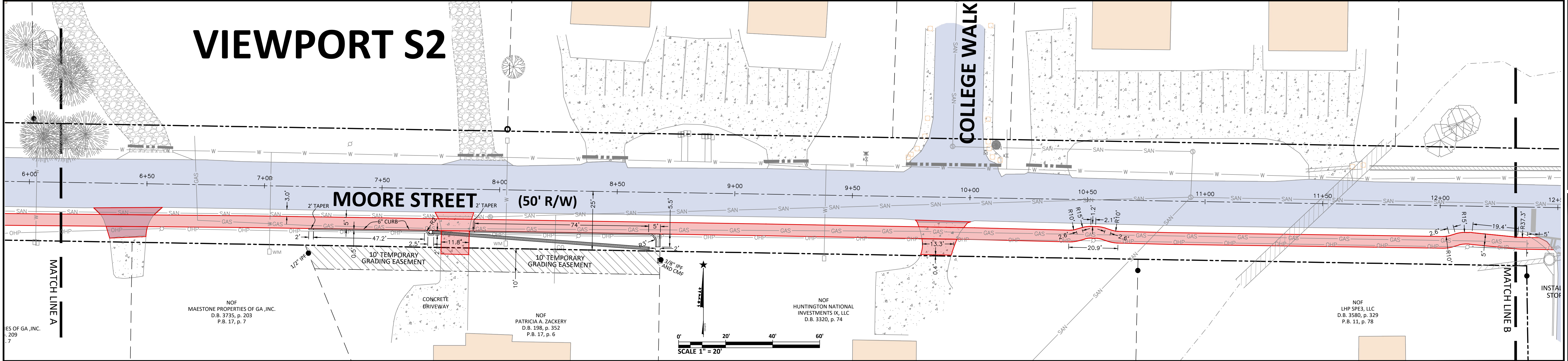
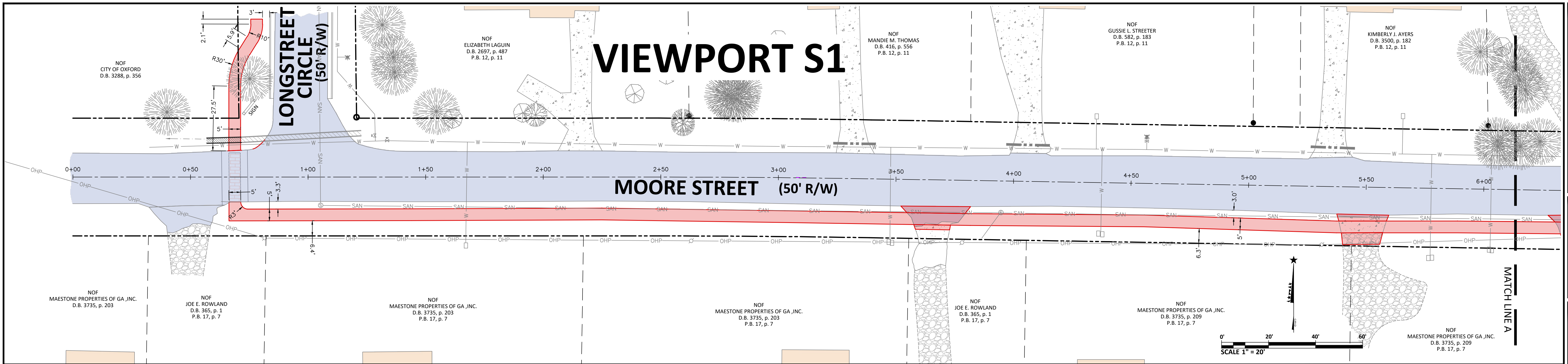


VIEWPORT D6



Rev	Revision Description	Date
0	FINAL ISSUE	07/09/19

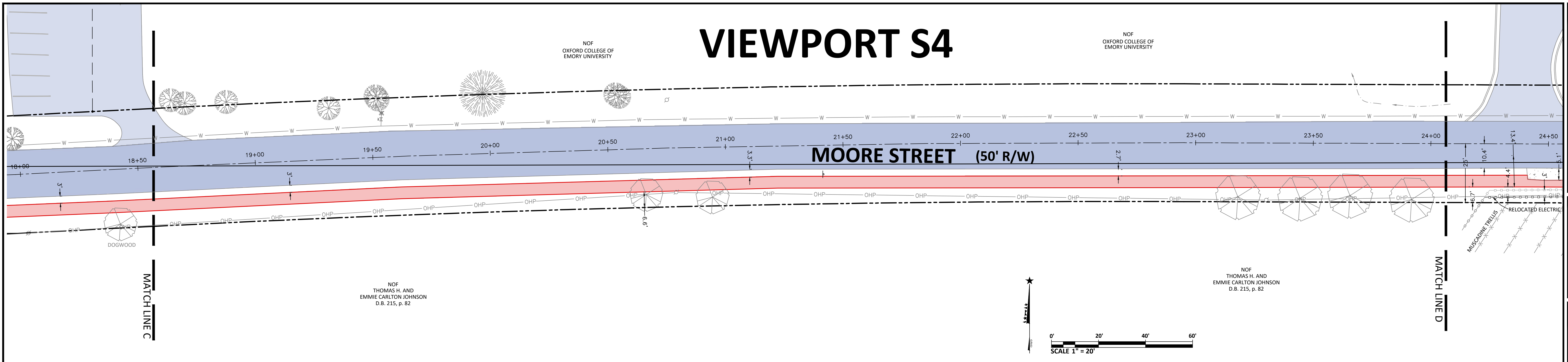
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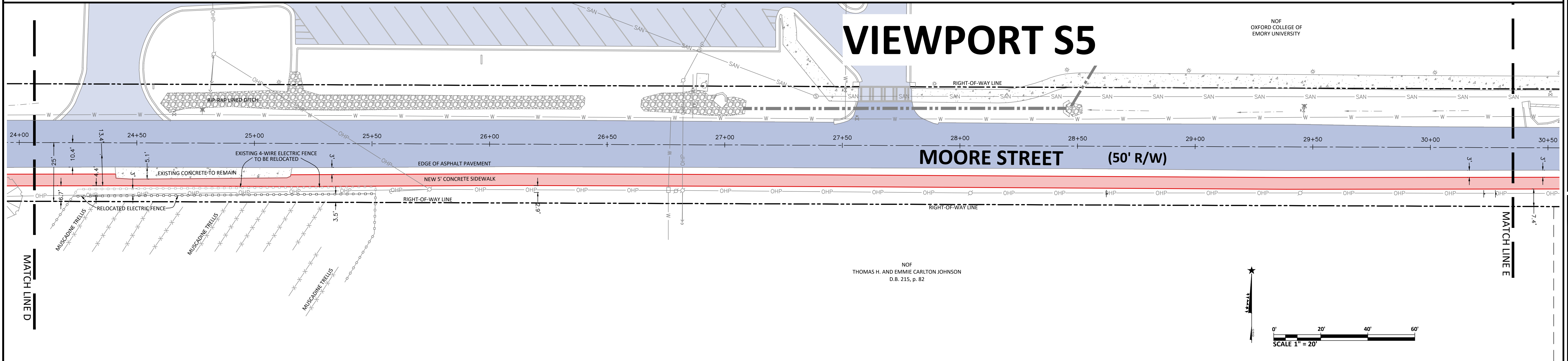
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0	Initial Issue	07/04/19

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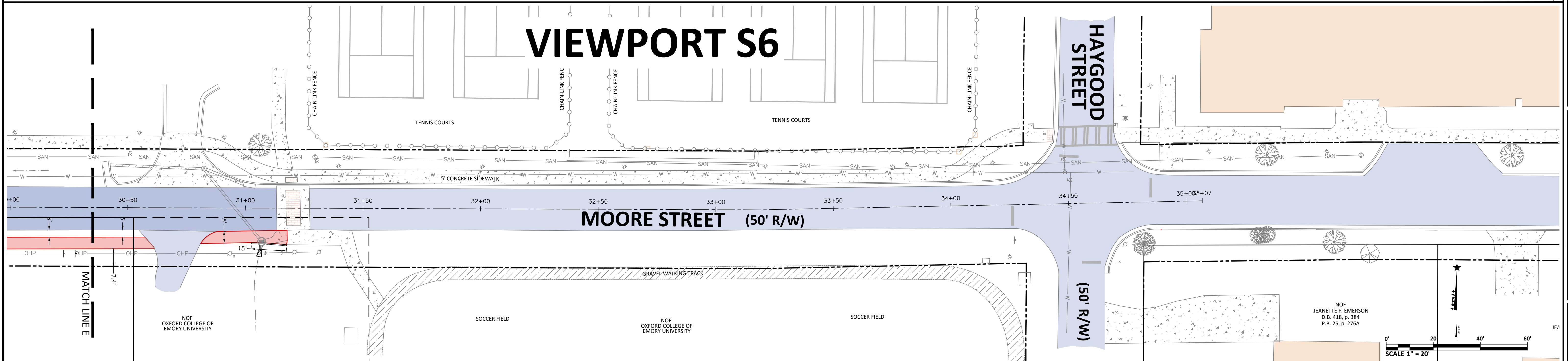
VIEWPORT S4



VIEWPORT S5

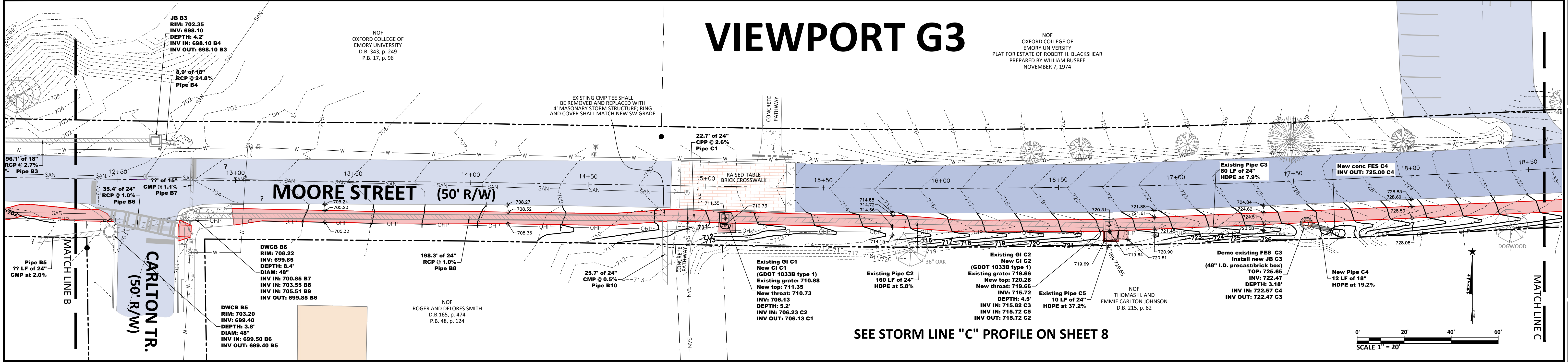
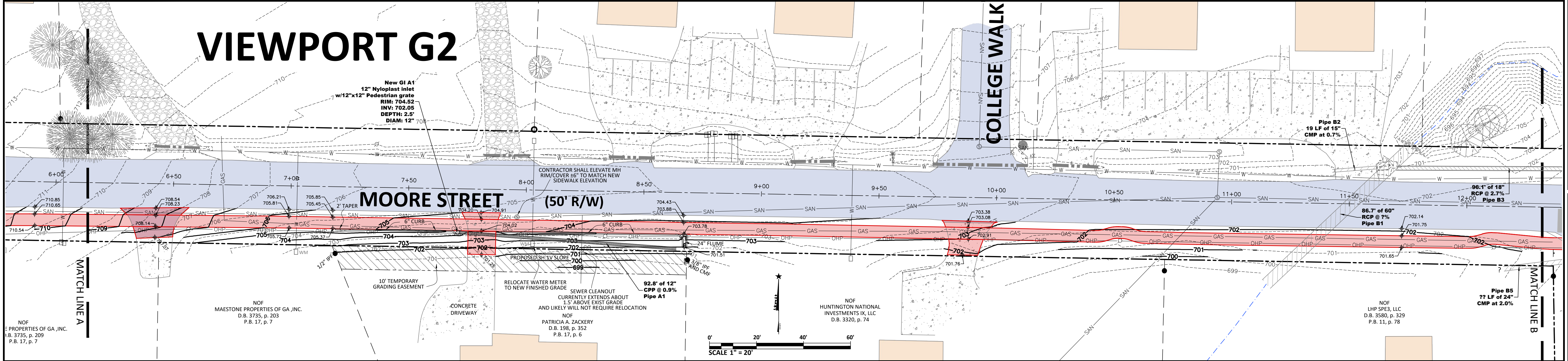
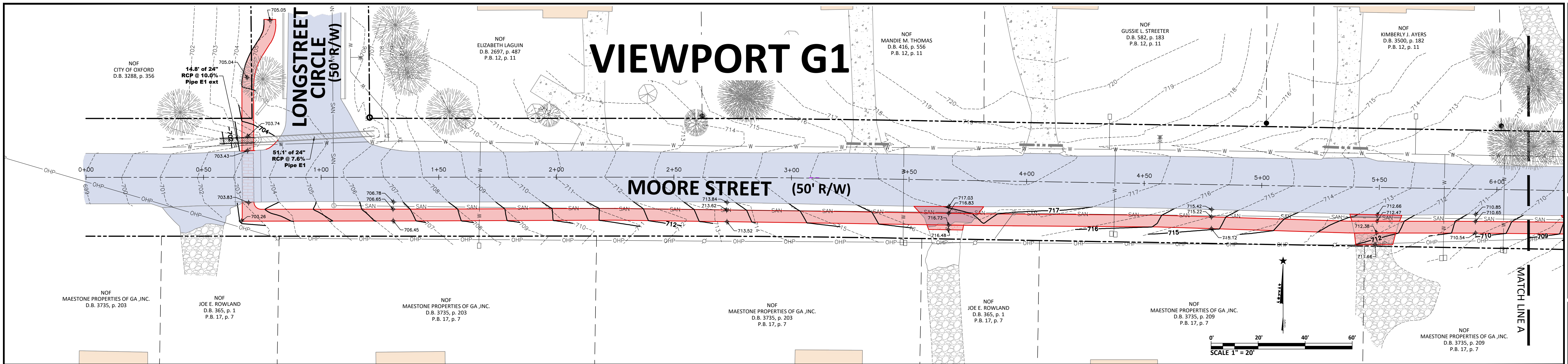


VIEWPORT S6



Rev	Revision Description	Date
0	INITIAL ISSUE	03/04/19

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VIEWPORT G1

VIEWPORT G2

VIEWPORT G3

JORDAN
ENGINEERING

Land Planning • Surveying • Soils Classification

REGISTERED PROFESSIONAL ENGINEER
ROBERT O. JORDAN
No. 2256

GSWCC LEVEL II CERTIFICATION
NO. 0118 EXP 6-2020

GRADING AND DRAINAGE PLAN VIEWPORTS G1-G3

Moore Street Sidewalk
Oxford, Newton County, Georgia

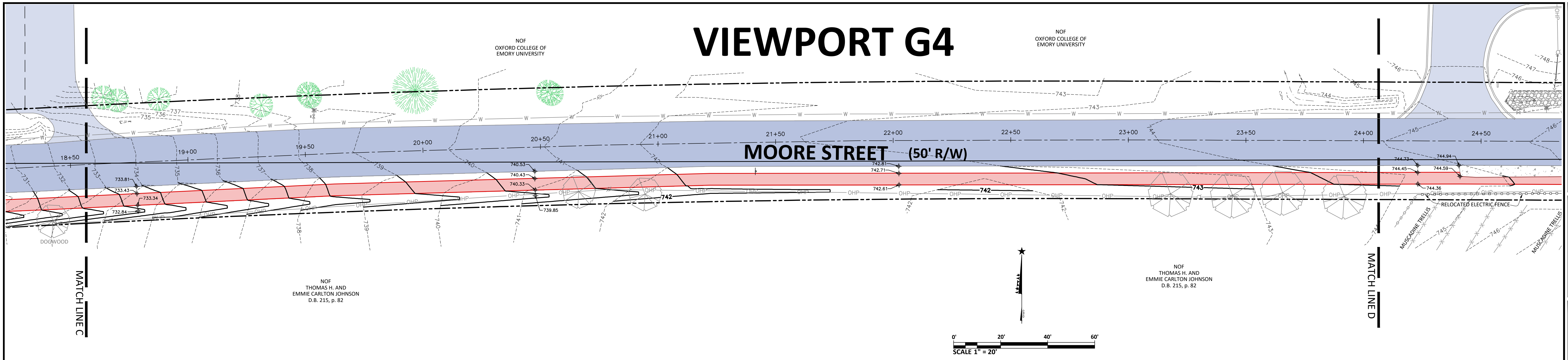
Rev	Revision Description	Date
0	Initial Issue	07/04/19

Sheet No. **7**

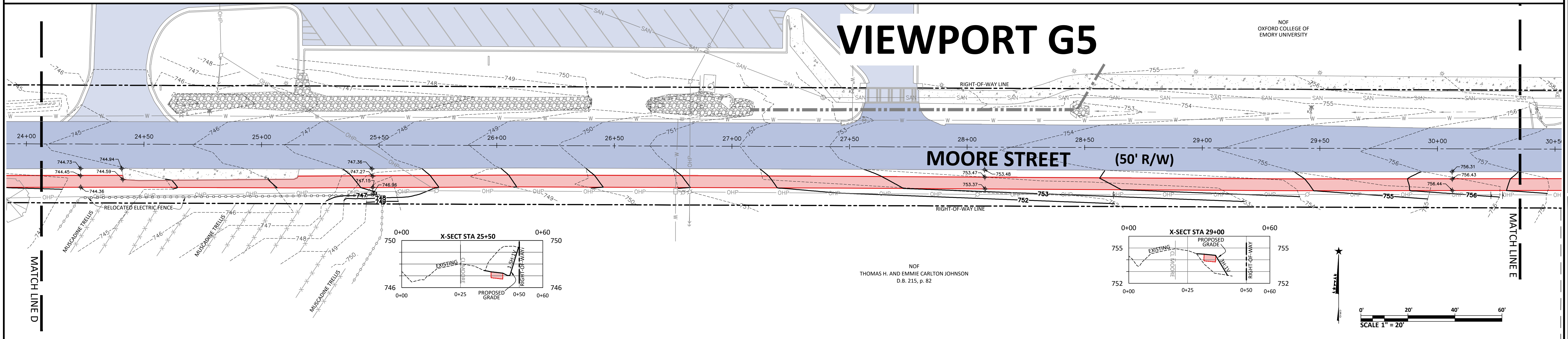
SEE STORM LINE "C" PROFILE ON SHEET 8

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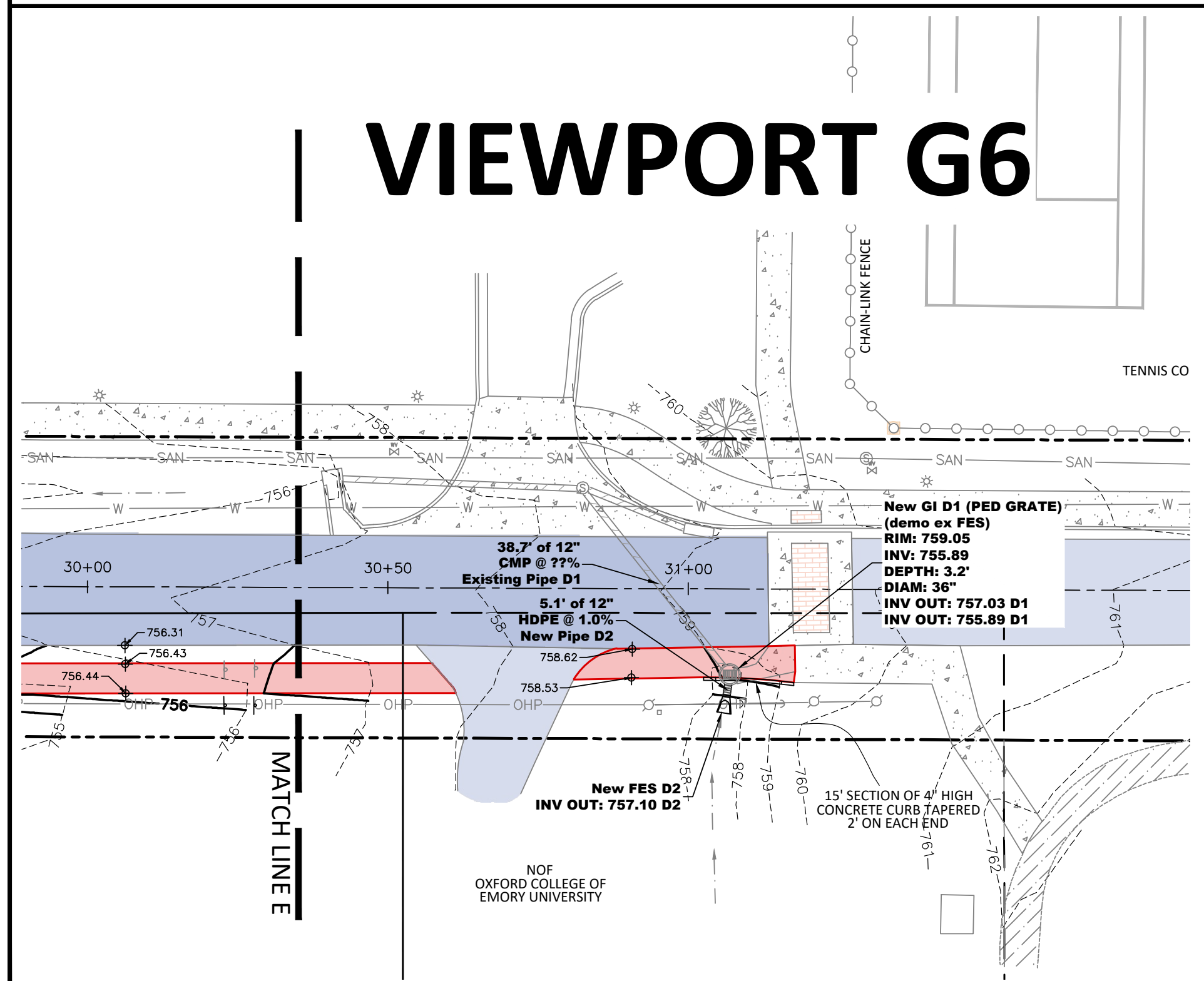
VIEWPORT G4



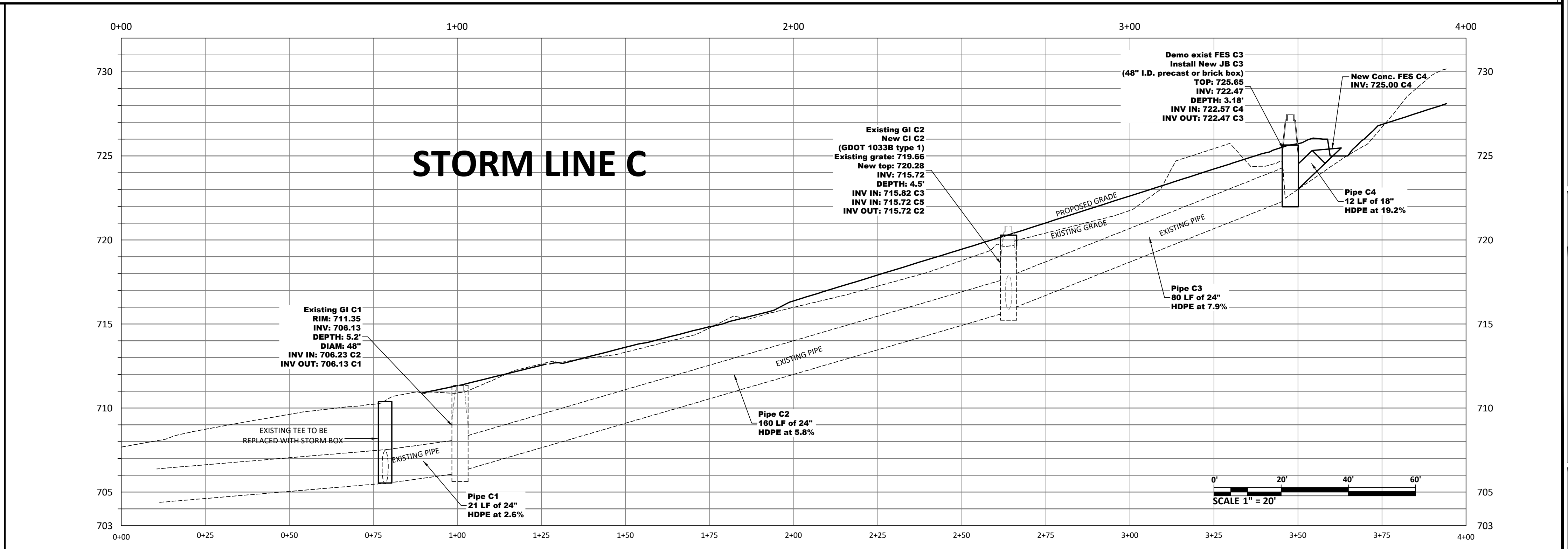
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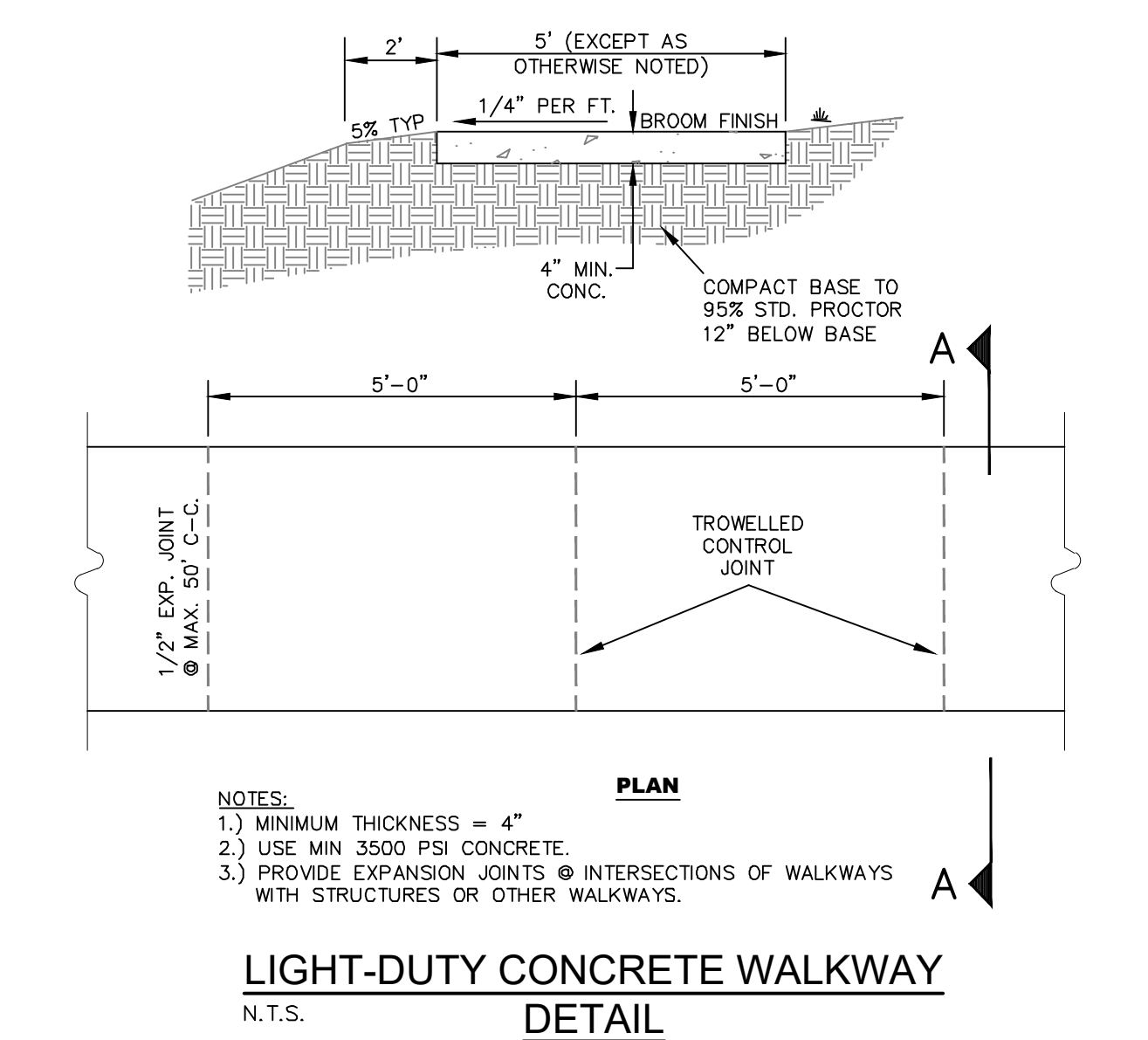
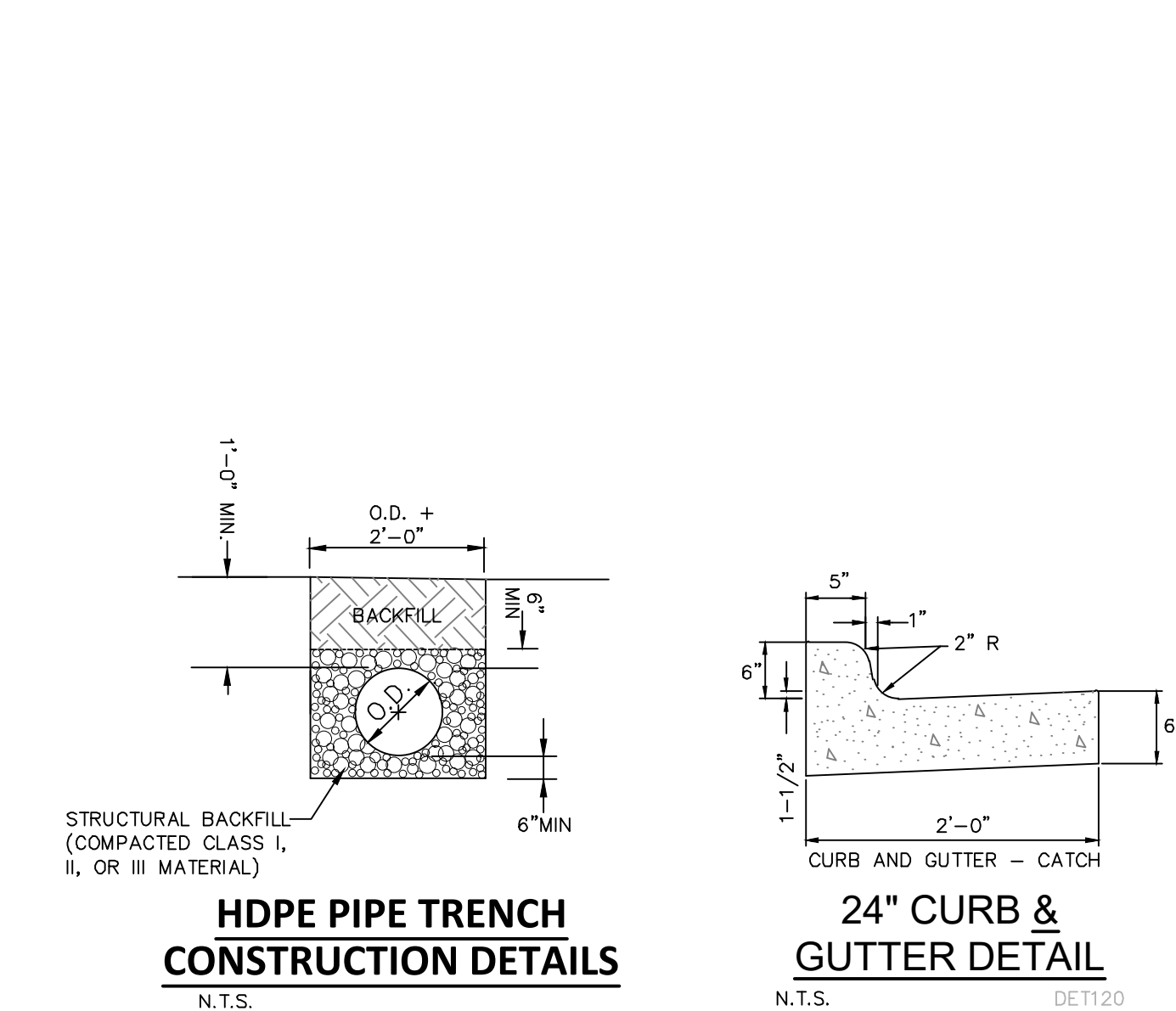
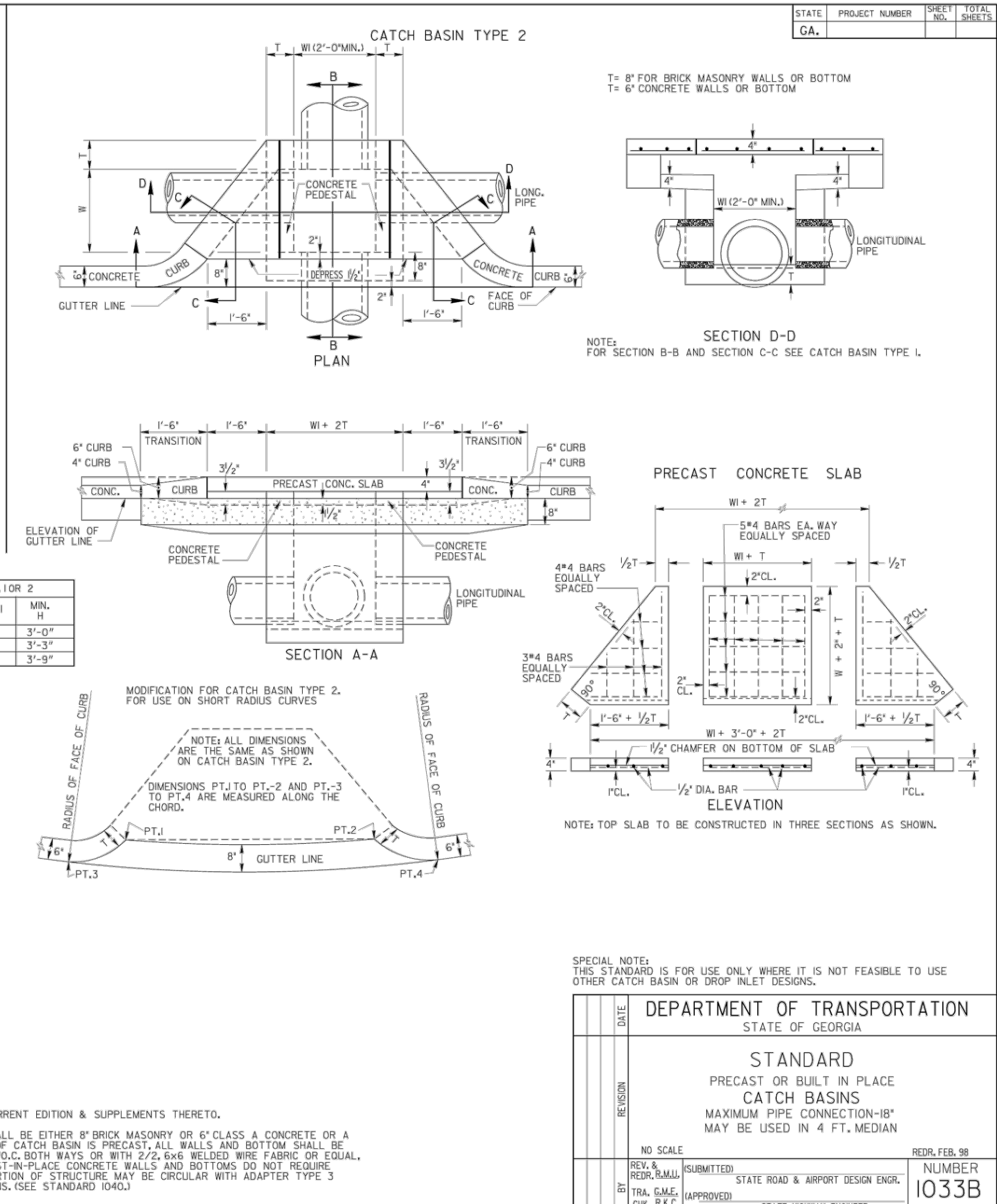
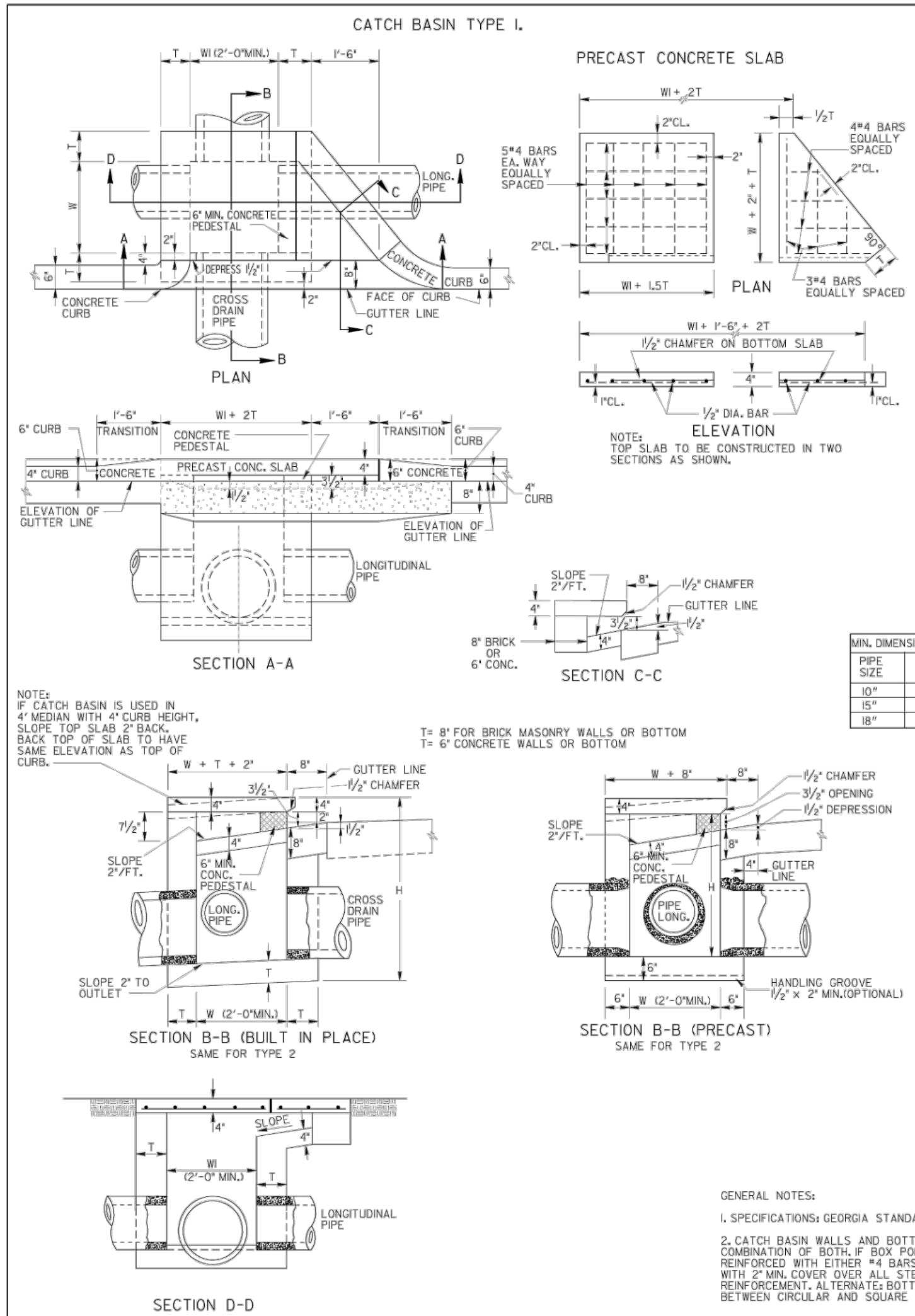


STORM LINE C

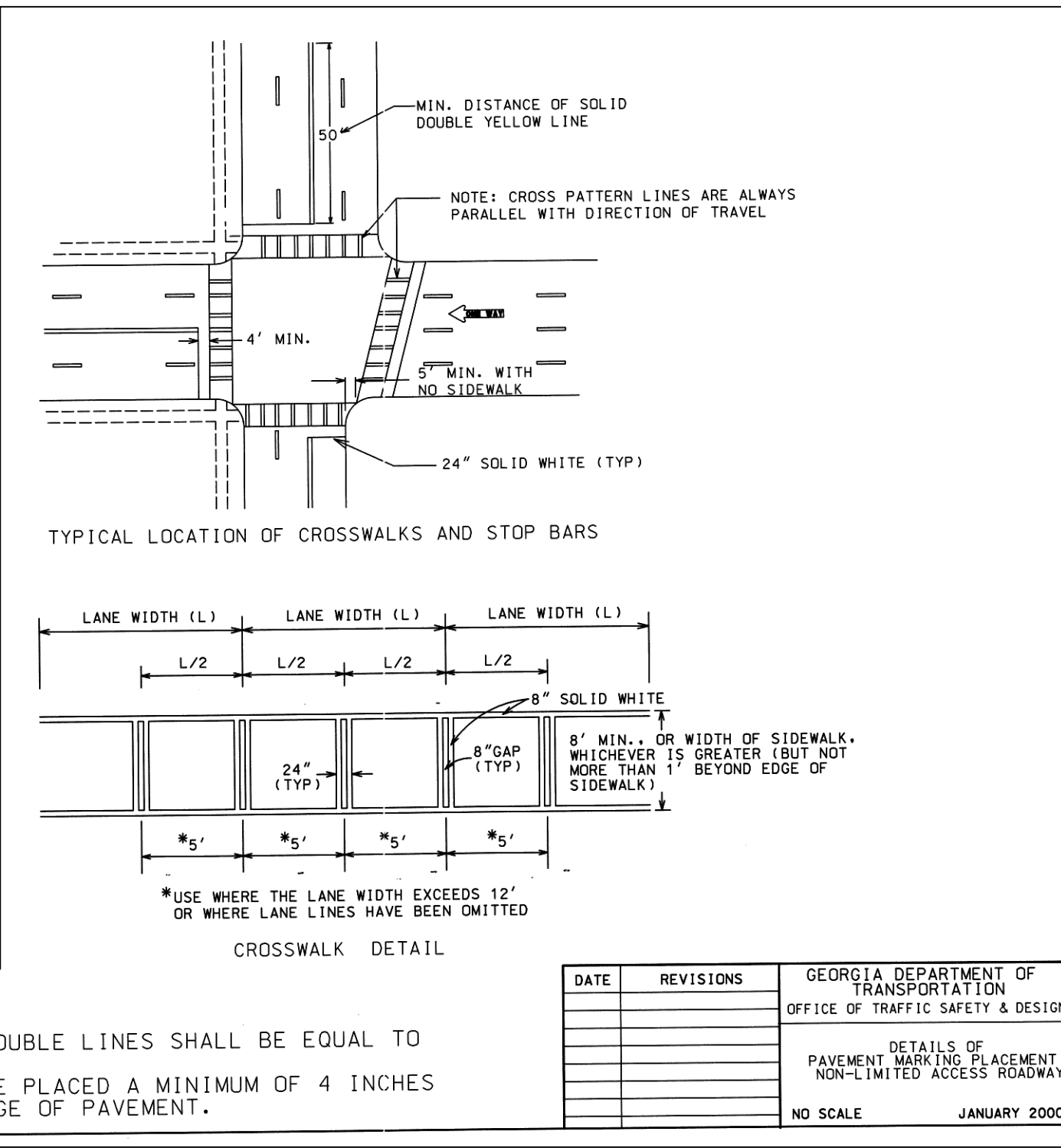
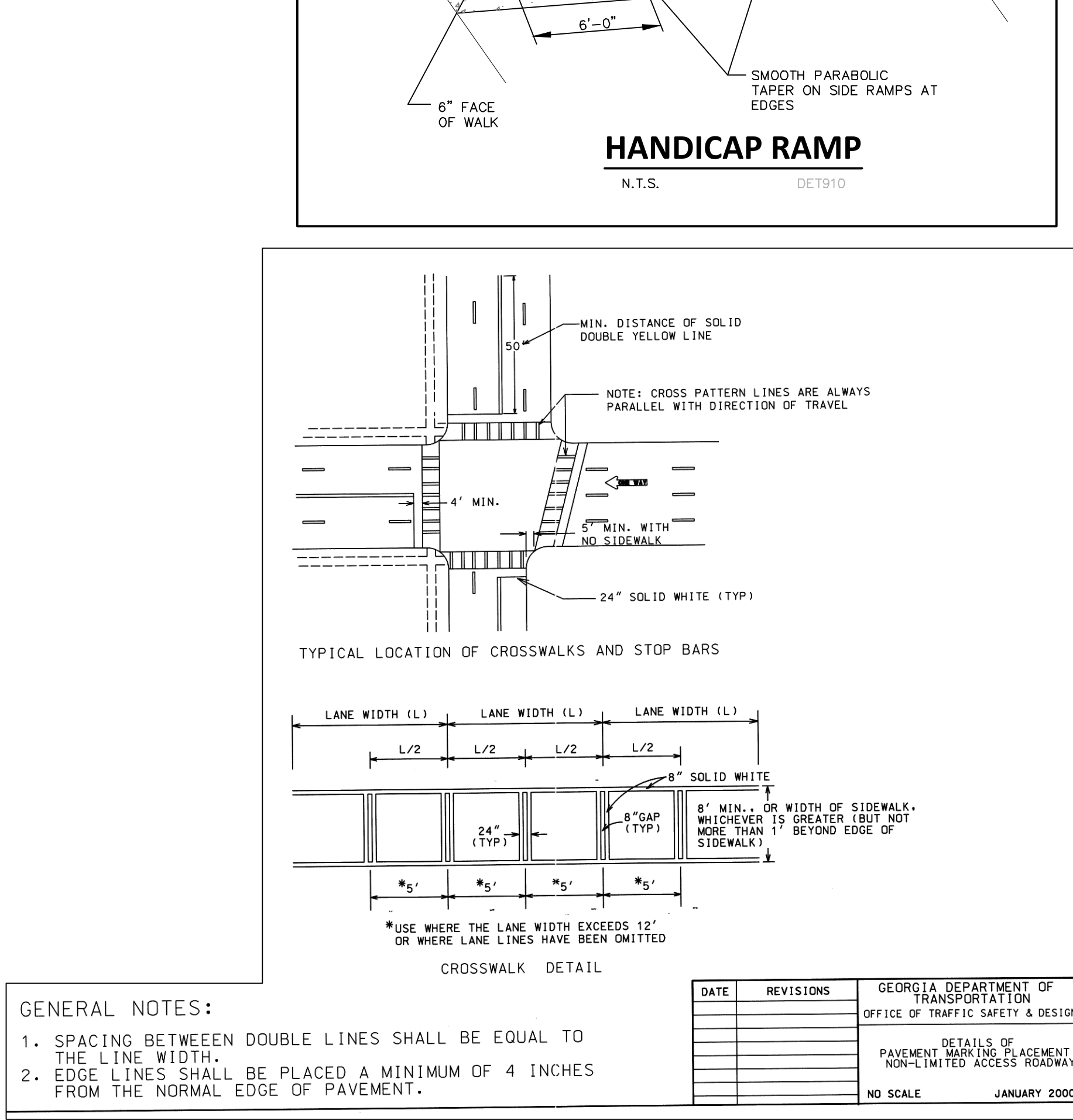
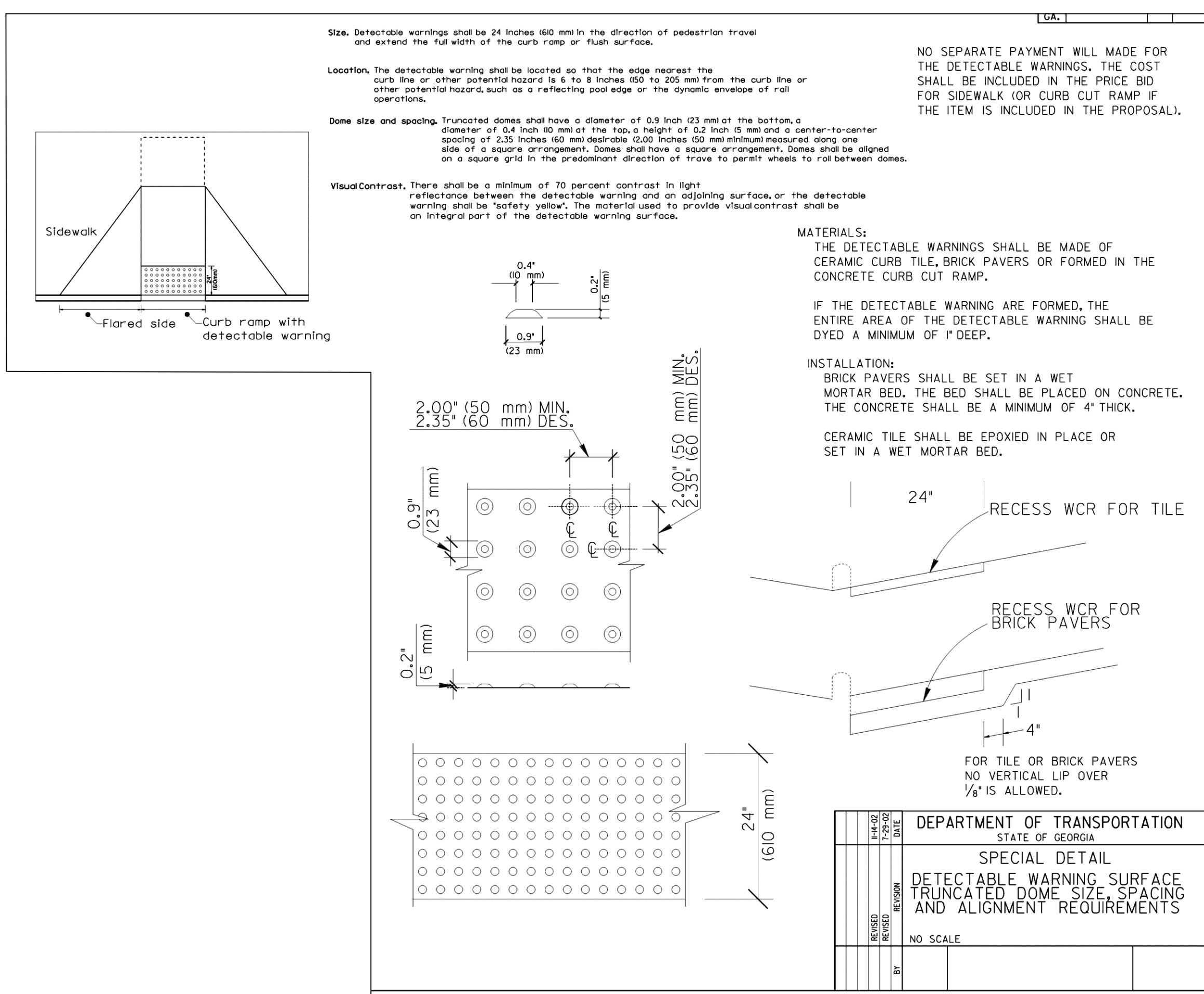


Rev	Revision Description	Date
0	Final Issue	07/04/19

S:\CIVIL\OXFORD - MOORE ST\MOORE SW R5.DWG January 4, 2019



NO SCALE	REDR. FEB. 98
REV. & SUBMITTED	NUMBER 1033B
TRA. CAME, CHK. BAC	STATE HIGHWAY ENGINEER



GENERAL NOTES:
 1. SPACING BETWEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
 2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.

Date	07/04/19
Revision Description	INITIAL ISSUE
Rev	0

CONCRETE TRUCK WASHOUT PIT (LINED FLOW-CONTAINED PIT). MATERIAL TO BE DISPOSED OF PROPERLY AND PIT REFILLED. WASHOUT OF THE DRUM AT THE SITE IS PROHIBITED. (SEE DETAIL)

VIEWPORT E1

LONGSTREET CIRCLE (50' R/W)

MOORE STREET (50' R/W)

SCALE 1" = 20'

VIEWPORT E2

MOORE STREET (50' R/W)

COLLEGE WALK

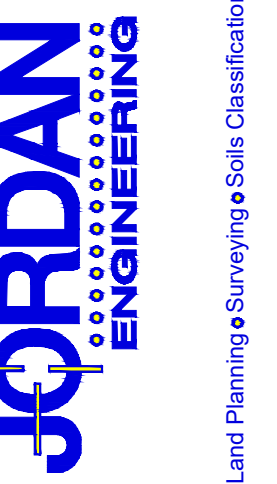
SCALE 1" = 20'

VIEWPORT E3

MOORE STREET (50' R/W)

CARLTON TR. (50' R/W)

SCALE 1" = 20'



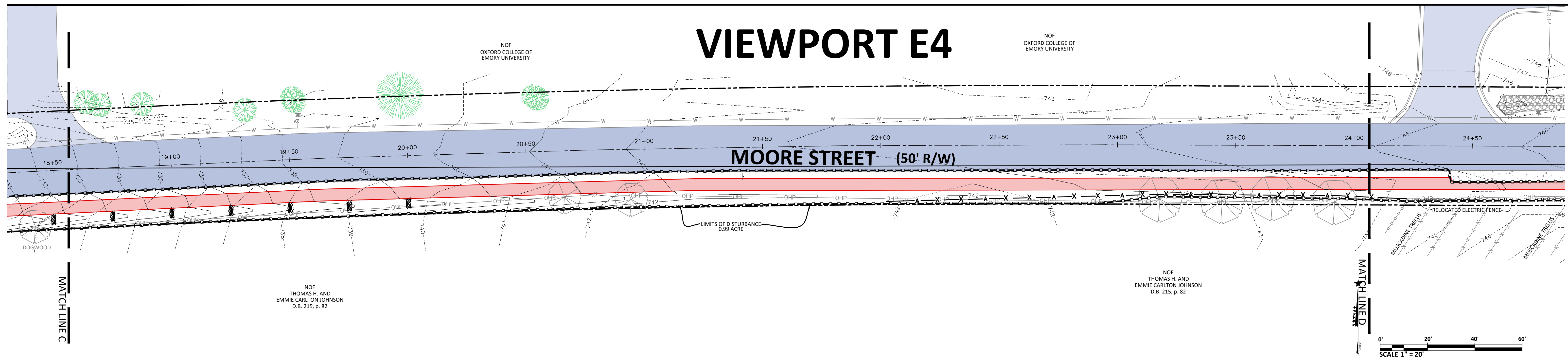
**EROSION CONTROL PLAN
VIEWPORTS E1-E3**

Moore Street Sidewalk
Oxford, Newton County, Georgia

Rev.	Revision Description	Date
0	Final Issue	07/04/19

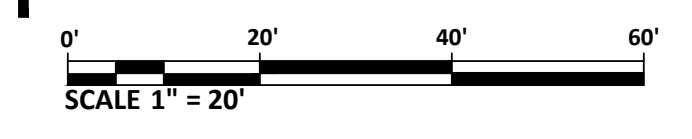
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VIEWPORT E4

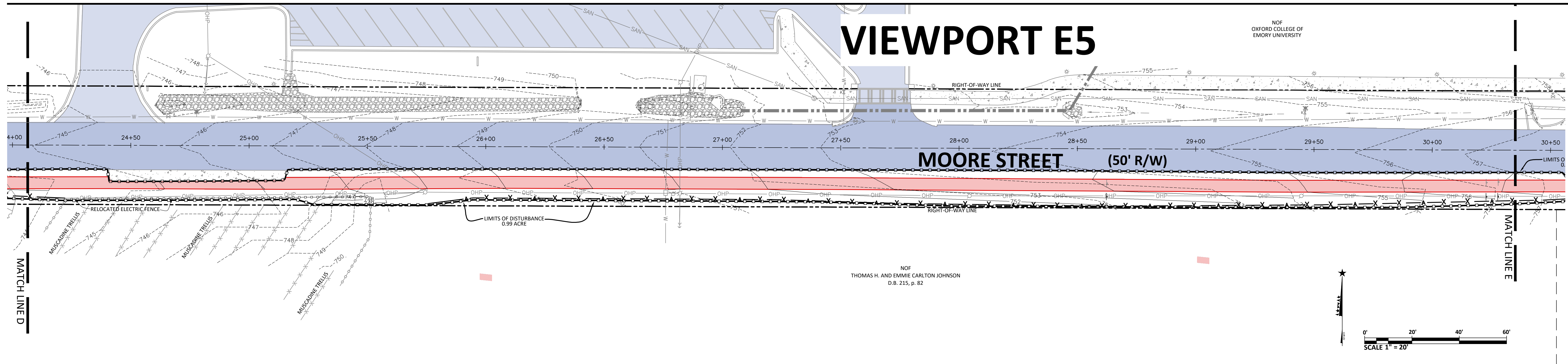


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EMMIE CARLTON JOHNSON
D.B. 215, p. 82

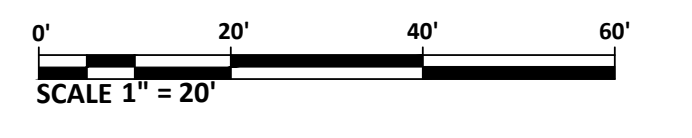
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D.B. 215, p. 82



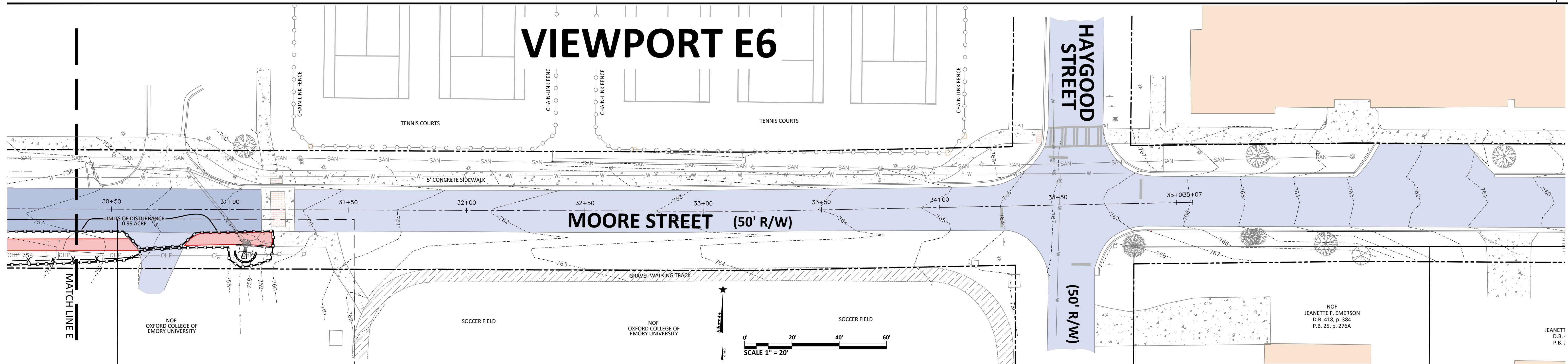
VIEWPORT E5



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EMMIE CARLTON JOHNSON
D.B. 215, p. 82



VIEWPORT E6



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OXFORD COLLEGE OF
EMORY UNIVERSITY

SOCCER FIELD

NOF
OXFORD COLLEGE OF
EMORY UNIVERSITY

SOCCER FIELD

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JEANETTE F. EMERSON
D.B. 418, p. 384
P.B. 25, p. 276A



Rev	Revision Description	Date
0	Initial Issue	07/04/19

S:\CIVIL\OXFORD - MOORE ST\MOORE SW RS.DWG January 4, 2019

GENERAL SITE INFORMATION:

1. LOCATION: THE PROJECT AREA IS THE SOUTHERN RIGHT-OF-WAY OF MOORE STREET FROM HAYGOOD STREET WESTWARD TO LONGSTREET CIRCLE IN OXFORD, GEORGIA.
2. TYPE OF CONSTRUCTION ACTIVITY: INSTALLATION OF NEW 5' WIDE CONCRETE SIDEWALK AND ASSOCIATED STORM SYSTEM MODIFICATIONS. TOTAL DISTURBED AREA: 0.99 ACRE.

PROJECT NARRATIVE DESCRIPTION:

THE CITY OF OXFORD WILL INSTALL A 5' WIDE AND 4" THICK CONCRETE SIDEWALK LOCATED TYPICALLY ABOUT 3 FEET FROM THE EXISTING EDGE OF PAVEMENT ON THE SOUTH SIDE OF MOORE STREET FROM HAYGOOD STREET WESTWARD TO AN EXISTING PEDESTRIAN CROSSING AT LONGSTREET CIRCLE. THREE EXISTING STORM STRUCTURES WILL BE MODIFIED.

RECEIVING WATERS:

NO SIGNIFICANT CHANGES TO EXISTING STORM WATER RUNOFF PATTERNS WILL RESULT FROM THE IMPROVEMENTS PROPOSED IN THESE PLANS.

404 PERMIT

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

25-FOOT BUFFERS

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25- OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

PREVENT ESCAPE OF SEDIMENT

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

ADDITIONAL MEASURES

EROSION AND SEDIMENTATION CONTROL MEASURE WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

STABILIZE EXPOSED DISTURBANCE

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

POLLUTION CONTROL NOTES:

CONCRETE TRUCK WASHOUT
CONCRETE TRUCK WASHOUT LOCATION SHALL BE A TEMPORARY TRUCK WASH AREA LOCATED AT AN APPROVED SITE. WASHOUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE OR IMPACTING VEGETATED OR NON-DISTURBED AREAS. DISPOSAL OF MATERIAL SHALL INCLUDE THE BREAKING OF MATERIAL INTO SMALL AMOUNTS FOR TRASH REMOVAL OR REMOVAL FROM SITE TO AN APPROVED AND APPROPRIATE LANDFILL. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

PAINT/CHEMICAL STORAGE

PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY. CLEANUP AND DISPOSAL OF THIS MATERIAL SHALL BE DONE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE TAKEN TO APPROVED WASTE FACILITIES THAT ARE CLASSIFIED TO ACCEPT THOSE MATERIALS.

PETROLEUM PRODUCTS

ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREA THAT PROVIDES A SECONDARY CONTAINMENT FEATURE AND SHALL BE LOCATED IN AN AREA WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR. EMERGENCY CONTACT NUMBERS AND PROCEDURES FOR SPILLS SHALL BE AVAILABLE ON-SITE.

SPILL CLEANUP AND CONTROL PRACTICES:

- LOCAL, STATE AND MANUFACTURERS RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO ONSITE PERSONNEL.
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

HAZARDOUS WASTES:

HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPC FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

EROSION CONTROL SEQUENCING NARRATIVE:

WHERE POSSIBLE, PERIMETER SEDIMENT CONTROL MEASURES SUCH AS SILT FENCE AND INLET CONTROL BAGS SHALL BE PLACED PRIOR TO LAND DISTURBANCE FOR EACH APPROPRIATE BASIN. IT IS RECOMMENDED THAT THE CONTRACTOR AND OWNER SCHEDULE A PRE-LAND-DISTURBANCE MEETING WITH THE ENGINEER TO DISCUSS THE EROSION CONTROL PHASING SEQUENCE.

PRIOR TO INSTALLATION OF SEWER INFRASTRUCTURE (PHASE 1):

CONTRACTOR SHALL INSTALL EXTERIOR SILT FENCING, AND EXISTING INLET PROTECTION FOR EACH AREA (DRAINAGE BASIN) WHERE CONSTRUCTION IS IMMINENT PRIOR TO BEGINNING CONSTRUCTION IN THAT AREA. THE INSTALLATION OF THE INITIAL BMPs SHALL BE DONE WITH THE MINIMUM AMOUNT OF MECHANIZED EQUIPMENT. START OF MASS GRADING OR UTILITY INFRASTRUCTURE IS NOT PERMITTED UNTIL THE ABOVEMENTIONED INITIAL PROTECTIVE MEASURES ARE IN PLACE.

CONCURRENT WITH INSTALLATION OF SEWER INFRASTRUCTURE (PHASE 2):

AS CONSTRUCTION PROGRESSES, CONTRACTOR SHALL INSTALL (WHERE SPECIFIED) HAY BALE CHECK DAMS, CHANNEL STABILIZATION MEASURES, OUTLET PROTECTION, INLET PROTECTION, SLOPE MATTING, AND TEMPORARY GRASSING. THE CONTRACTOR SHALL PERFORM THE ABOVEMENTIONED BMP INSTALLATION AS DIRECTED BY LOCAL OR STATE OFFICIALS.

AFTER INSTALLATION OF SEWER INFRASTRUCTURE (PHASE 3):

CONTRACTOR SHALL INSTALL FINAL SEEDING AND GRASSING PER THE CONSTRUCTION SCHEDULE ALONG WITH OTHER FINAL SITE STABILIZATION MEASURES AS DIRECTED BY THE ENGINEER, LOCAL AND/OR STATE INSPECTORS. UPON ESTABLISHING GREATER THAN 70 PERCENT PERMANENT GRASSING STABILIZATION, SILT FENCING, INLET PROTECTION, AND OTHER BMPs MAY BE REMOVED.

ATTENTION! GRADING OPERATIONS OR OTHER SOIL DISTURBING ACTIVITIES THAT ARE SUSPENDED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS SHALL HAVE TEMPORARY VEGETATION, MULCHING, SILT FENCE AND/OR OTHER EROSION CONTROL MEASURES, AT THE DISCRETION OF THE LOCAL GOVERNING AGENCY, EMPLOYED TO PROTECT THE SOIL FROM EROSION ELEMENTS.

EROSION & SEDIMENT CONTROL NOTES:

1. SEED ALL SLOPES AND OTHER GRADED AREAS NOT TO BE COVERED BY PAVEMENT AND BUILDINGS AS SOON AS PRACTICAL AFTER COMPLETION OF GRADING OPERATIONS. ANY FILL SLOPES GREATER THAN 2H:1V OR HIGHER THAN 6 FEET SHALL REQUIRE MATTING AND BLANKETS (IM).
2. SEED OR SOD SIDE SLOPES OF ALL SWALES AND DITCHES IMMEDIATELY UPON COMPLETION.
3. REMOVE ALL TEMPORARY DEVICES AFTER SITE IS STABILIZED.
4. CONSTRUCTION EXIT STONE SIZE TO BE A 5 T.M. #48, SIZE #1 (1-1/2" TO 3-1/2" DIAMETER) WITH A MINIMUM PAD THICKNESS OF 6" ON TOP OF REQUIRED GEOTEXTILE UNDERLAYMENT.
5. CONSTRUCTION EXIT TO BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADS.
6. EROSION CONTROL WILL BE CONSTRUCTED AS REQUIRED BY PROJECT ENGINEER OR THE LOCAL GOVERNMENTAL AGENCY.
7. ALL OPEN DRAINAGE SWALES MUST BE MATTED AND GRASSED AND RIP-RAP MUST BE PLACED AS REQUIRED TO CONTROL EROSION.
8. ALL SILT BARRIERS MUST BE PLACED BEFORE ANY CLEARING. NO CONSTRUCTION SHALL BE INITIATED UNTIL SILT BARRIER INSTALLATION IS COMPLETED.
9. FREQUENT INSPECTIONS AND REPAIR OF EROSION AND SEDIMENT CONTROL PRACTICES (INCLUDING VEGETATIVE COVER) IS TO BE DONE BY THE GENERAL CONTRACTOR.
10. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION.
11. ALL MEASURES SHALL BE EMPLOYED IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.
12. SILT FENCES WILL BE INSTALLED AT TOE OF ALL FILL SLOPES.
13. AREA TO BE DISTURBED IS APPROXIMATELY 0.99 ACRE.
14. THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO LAND-DISTURBING ACTIVITIES.
15. EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSPECTED DAILY.
16. STORM WATER MANAGEMENT FACILITIES AND EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
17. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WILL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION.
18. FILL SLOPES SHALL NOT EXCEED 3H:1V ALL PROJECTS.
19. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
20. 24-HOUR CONTACT PERSON: JODY REID (404) 725-6519
21. REFER TO THE EROSION AND SEDIMENT CONTROL DETAIL SHEET FOR ADDITIONAL NOTATIONS AND MISCELLANEOUS DETAILS.
22. ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION DUE TO CONDITIONS NOT SHOWN ON PLANS.
23. FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL PRACTICES MAY RESULT IN CONSTRUCTION BEING HALTED.
24. EROSION CONTROL MEASURES WILL BE INSPECTED AT LEAST WEEKLY AND FOLLOWING RAINFALL AND REPAIRED BY CONTRACTOR.
25. ALL SILT FENCING SHALL COMPLY WITH GEORGIA D.O.T. STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE A LETTER OF WARRANTY UPON REQUEST THAT MATERIALS MEET THESE SPECIFICATIONS AND THAT FABRIC IS ON GA D.O.T. Q.P.L. #36.
26. TEMPORARY OR PERMANENT VEGETATIVE STABILIZATION SHALL BE ESTABLISHED ON ALL AREAS NOT TO BE DISTURBED FOR TWO WEEKS OR MORE.
27. STORM DRAIN SYSTEMS SHALL BE MAINTAINED CLEAN AND FREE OF SILT AND DEBRIS.
28. CONTRACTOR SHALL RESPOND TO A 'NOTIFICATION OF NONCOMPLIANCE' OR 'INADEQUATE MEASURES' NOTIFICATION WITHIN 24 HOURS AFTER RECEIVING SUCH NOTIFICATION, UNLESS OTHERWISE SPECIFIED BY NOTICE FOR CONDITIONS DEEMED CRITICAL.
29. PERMANENT VEGETATION SHALL BE PLACED AT THE EARLIEST SUITABLE GROWING SEASON.
30. IMPLEMENTATION AND MAINTENANCE:
 - A. IMPLEMENTATION: A PRE-CONSTRUCTION CONFERENCE IS RECOMMENDED PRIOR TO COMMENCING WORK. NO CLEARING, GRADING, PIPELINE EXCAVATIONS, FILLING, OR OTHER LAND DISTURBING ACTIVITIES SHALL BE PERMITTED UNTIL APPROVED EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED EXCEPT THOSE OPERATIONS NEEDED TO INSTALL SUCH MEASURES. THESE EROSION AND SEDIMENT CONTROL MEASURES SHALL APPLY TO ALL FEATURES OF THE CONSTRUCTION SITE INCLUDING, BUT NOT LIMITED TO, STREET AND UTILITY INSTALLATIONS AND THE PROTECTION OF INDIVIDUAL LOTS.
 - B. MAINTENANCE: ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUOUSLY MAINTAINED BY THE CONTRACTOR OR DURING CONSTRUCTION AND UNTIL PERMANENT STABILIZATION OF ALL DISTURBED AREAS ARE ACCOMPLISHED.
31. SEEDING SPECIFICATIONS AND APPLICATION RATES ARE AVAILABLE AT THE NATIONAL RESOURCES CONSERVATION SERVICE (NRCS) AND WITHIN THIS PLAN SET.

NOTE: THE AREA OF DISTURBANCE FOR THIS PROJECT IS LESS THAN THE 1 ACRE THRESHOLD REQUIRING PREPARATION AND SUBMITTAL OF EROSION CONTROL PLANS AND FOR NPDES PERMITTING AND MONITORING.

24 Hour Contact Person:
JODY REID
Phone: (404) 725-6519

THE CONTRACTOR SHALL ARRANGE FOR PORTABLE TOILETS DURING CONSTRUCTION PHASE OF WORK. GRAVITY SANITARY SEWER SYSTEM DESCRIBED ON SHEET 5 AND 12 WILL BE INSTALLED TO ACCOMMODATE SEWAGE TREATMENT OF THE COMPLETED DEVELOPMENT (CITY OF OXFORD).

CONSTRUCTION ACTIVITY SCHEDULE

TYPE OF ACTIVITY	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUNE 2019	JULY 2019	AUG 2019	SEPT 2019	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	END JOB
INSTALL INITIAL EROSION AND SEDIMENTATION CONTROL MEASURES	█													
INSTALL SECONDARY EROSION AND SEDIMENTATION CONTROL MEASURES		█												
PERMANENT GRASSING AND FINAL EROSION CONTROL MEASURES			█	█	█	█	█	█	█	█	█	█	█	
CLEARING, GRUBBING, AND GRADING		█	█	█	█	█	█	█	█	█	█	█	█	
INSTALL UNDERGROUND UTILITIES			█											
CURBING AND PAVING				█	█	█	█	█	█	█	█	█	█	
FINAL LANDSCAPING AND GRASSING														
REMOVE SILT FENCING AND STABILIZE AREA														
MAINTAIN EROSION, SEDIMENTATION, AND POLLUTION CONTROL MEASURES														

Dust Control on Disturbed Areas

DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE

- To prevent surface and air movement of dust from exposed soil surfaces.
- To reduce the presence of airborne substances which may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. TEMPORARY METHODS
Mulches. See standard **Ds1 - Disturbed Area Stabilization (With Mulching Only)**. Synthetic resins may be used instead of asphalt to bind mulch material. Refer to standard **Tb-Tackifiers and Binders**. Resins such as Curasol or Terratack should be used according to manufacturer's recommendations.
Vegetative Cover. See standard **Ds2 - Disturbed Area Stabilization (With Temporary Seeding)**.
Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to standard **Tb-Tackifiers and**

Binders.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure

which should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.
Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.
Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.
Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. PERMANENT METHODS
Permanent Vegetation. See standard **Ds3 - Disturbed Area Stabilization (With Permanent Vegetation)**. Existing trees and large shrubs may afford valuable protection if left in place.
Topsoiling. This entails covering the surface with less erosive soil material. See standard **Tp - Topsoiling**.
Stone. Cover surface with crushed stone or coarse gravel. See standard **Cr-Construction Road Stabilization**.

Du

ESPC LEGEND

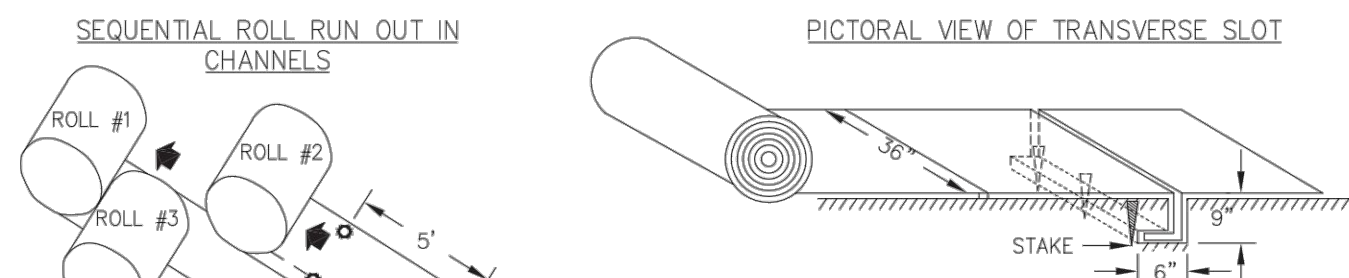
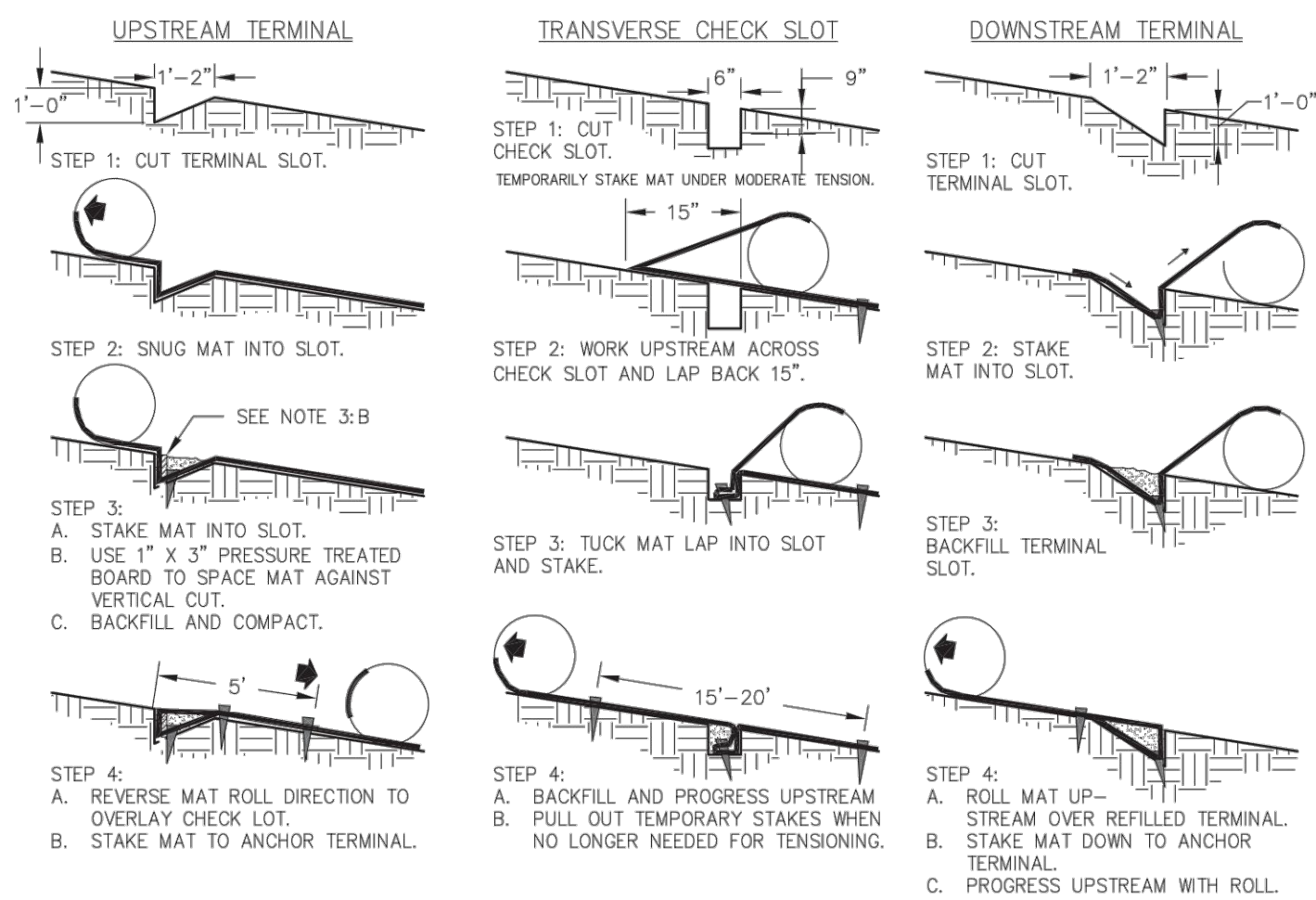
CODE	PH	PRACTICE	SYMBOL
Sd1-A	1	SEDIMENT BARRIER (TYPE "A" SILT FENCE)	X A
Sd1-C	1	SEDIMENT BARRIER (TYPE "C" SILT FENCE)	X C
Sd2-F	2	INLET SEDIMENT TRAP (FILTER FABRIC W/ SUPPORTING FRAME)	⊗
Sd2-P	3	CURB INLET PROTECTION	⌒
Rd	1	ROCK FILTER DAM	⌒
Cd-S	2	STONE DAM FILTER	⌒
Cd-Hb	2	HAY BALE DAM FILTER	⌒
Ch-V	2	VEGETATIVE SWALE	⌒
Sk	2	FLOATING SKIMMER	⊗
Du	ALL	DUST CONTROL	Du
St	2	STORM DRAIN OUTLET PROTECTION	⊗
Co	1	CONSTRUCTION EXIT	⊗
Mb	2	MATTING MATERIAL (SEE DETAIL SHEET)	⊗
Fr	2	FILTER RING	⊗
Tp	2	TOPSOILING	⊗
Sd3	2	TEMP. SEDIMENT BASIN	⊗
Bf	1	UNDISTURBED BUFFER	Bf
Ds1	2	DISTURBED AREA STABILIZATION WITH MULCHING ONLY	Ds1
Ds2	2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING	Ds2
Ds3	3	DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION	Ds3
Ch-Rp	2	EMERGENCY RIP-RAP OVERFLOW PROTECTION	⊗
Rt	1	RETROFIT	⊗

24 Hour Contact Person:
JODY REID
Phone: (404) 725-6519

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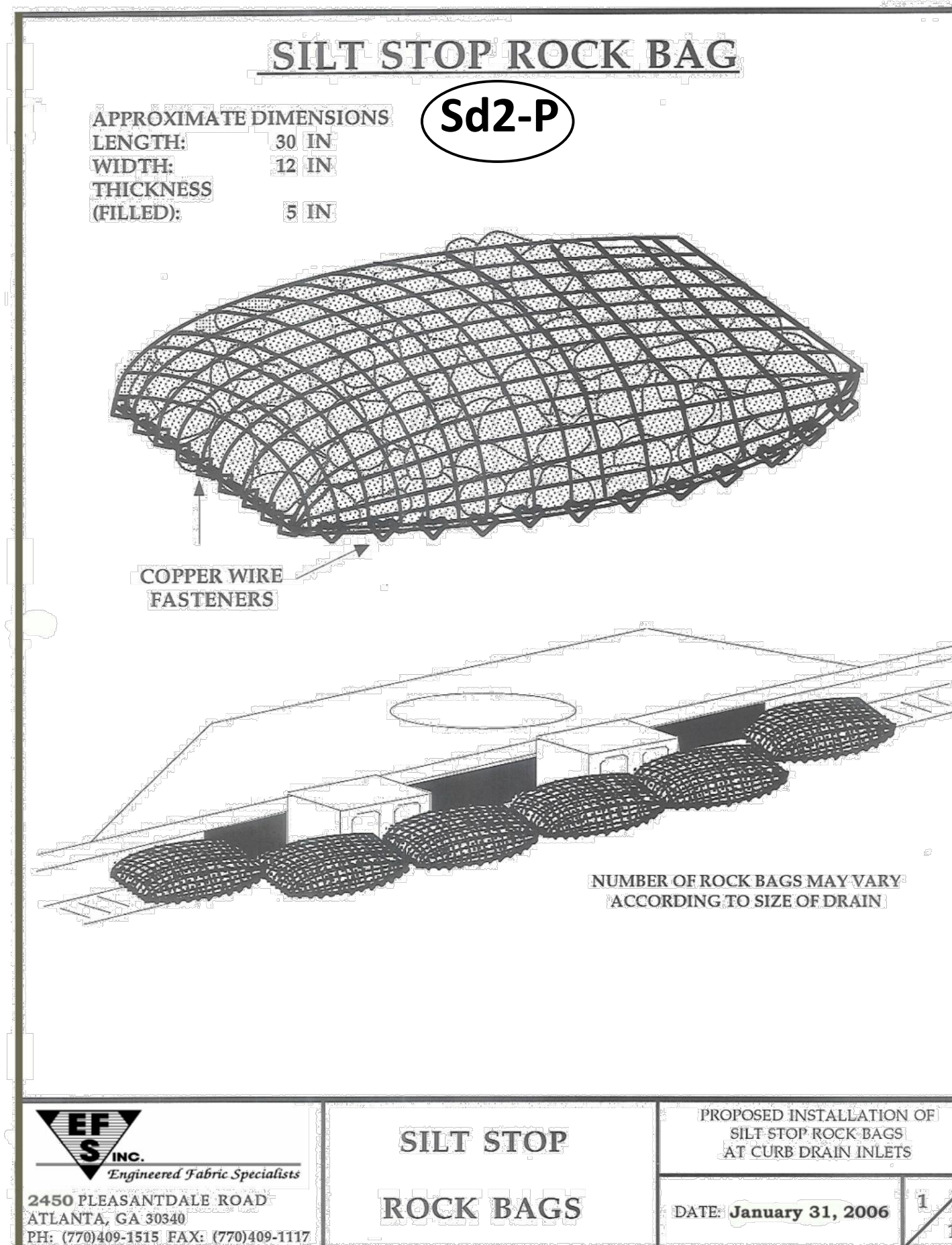
TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

BLANKET AND MATTING CROSS-SECTIONS



- NOTES:**
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
 2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
 3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
 4. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
 5. USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
 6. USE 3" OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets



EFS INC.
Engineered Fabric Specialists
2450 PLEASANTDALE ROAD
ATLANTA, GA 30340
PH: (770) 409-1515 FAX: (770) 409-1117

SILT STOP ROCK BAGS

PROPOSED INSTALLATION OF SILT STOP ROCK BAGS AT CURB DRAIN INLETS
DATE: January 31, 2006



GSWCC LEVEL II CERTIFICATION NO. 0118 EXP 6-2020

EROSION CONTROL CHECKLIST AND SCHEDULE

Moore Street Sidewalk
Oxford, Newton County, Georgia

Rev	Revision Description	Date
0	Initial Issue	07/04/19

Ds1 DISTURBED AREA STABILIZATION (W/MULCH ONLY)

Mulching Materials:
Select one of the following materials and apply at the depth indicated:
1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage.
2. Wood waste (chips, sawdust, or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped and applied as mulch.
3. Cutback asphalt (slow curing) shall be applied at 1200 gallons per acre (or 1/4 gal. per sq. yd.).
4. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

Applying Mulch:
When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.
1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.
2. If the area will eventually be covered with perennial vegetation, 20–30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
3. Cutback asphalt shall be applied uniformly. Care should be taken in areas of pedestrian traffic due to problems of "tracking in" or damage to shoes, clothing, etc.
4. Apply polyethylene film on exposed areas.

Anchoring Mulch:
1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "pucker disk". Disks may be smooth or serrated and should be 20 inches in diameter and 8 to 12 inches apart.
2. Straw or hay mulch shall be anchored immediately after application.
3. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.
4. Apply polyethylene film on exposed areas.

Disturbed Area Stabilization (W/Temporary Seeding):
1. When a hydraulic seeder is used, seedbed preparation is not required.
2. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.
3. When soil has been sealed by rainfall or consists of smooth undisturbed cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.
Lime and Fertilizer:
1. Agricultural lime is required unless soil tests indicate otherwise.
2. Graded areas require lime application.
3. On reasonably fertile soils, fertilizer is not required.
Seeding:
1. Apply seed uniformly by hand, cyclone seeder, drill, cutlifter-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cutlifter-seeders should normally place seed one-half to one inch deep.
Irrigation:
1. If water is applied, it must be at a rate not causing runoff and erosion. Thoroughly wet the soil to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

Ds2 DISTURBED AREA STABILIZATION (W/TEMPORARY SEEDING)

Seedbed Preparation:
1. When a hydraulic seeder is used, seedbed preparation is not required.
2. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.
3. When soil has been sealed by rainfall or consists of smooth undisturbed cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.
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TEMPORARY SEEDING AND FERTILIZING CHART

GRASS	RATE		SEASON		FERTILIZING RATE	
	1000 SF	ACRE	LIME	6/12/12	LIME	6/12/12
LESPEDEZA ANNUAL	0.9 LBS	40 LBS	2/15 - 4/30	60 LBS./1000 SF	40 LBS./1000 SF	
BROWNTOP MILLET	0.9 LBS	40 LBS	4/15 - 7/30	60 LBS./1000 SF	40 LBS./1000 SF	
RYE	3.9 LBS	168 LBS	8/1 - 12/31	60 LBS./1000 SF	40 LBS./1000 SF	
ANNUAL RYEGRASS	0.9 LBS	40 LBS	8/1 - 12/31	60 LBS./1000 SF	40 LBS./1000 SF	

MB EROSION CONTROL MATTING

All blankets and matting materials shall be on the GDOT Qualified Products List. All blankets shall be nontoxic to vegetation and to the germination of seed and shall not be injurious to the unprotected skin of humans. At a minimum, the plastic netting shall be intertwined with the mulching material/fiber to maximize strength and provide for ease of handling. PERMANENT MATTING SHALL BE ONE LISTED IN GDOT QUALIFIED PRODUCTS LIST 49 UNLESS NOTED OTHERWISE. MATTING SHALL BE CONTECH TRM C-45.

Site Preparation:
After the site has been shaped and graded to the approved design, prepare a friable seedbed relatively free from clods and rocks more than 1 inch in diameter, and any foreign material that will prevent contact of the soil stabilization mat with the soil surface. Surface must be smooth to ensure proper contact of blankets or matting to the soil surface. If necessary, redirect any runoff from the ditch or slope during installation.

Staples: The following are considered appropriate stapling and staking materials.
1. **Temporary Blankets:** This includes straw, excelsior, coconut fiber, and wood fiber blankets. Staples shall be used to anchor temporary blankets. U-shaped wire (11 gauge or greater with legs at least 6 inches in length and a crown of one inch or appropriate biodegradable staples can be used. Staples shall be of sufficient thickness for soil penetration without undue distortion.
2. **Permanent Matting:** Sound wood stakes, 1 x 3 inches stock sawn in a triangular shape, shall be used. Depending on the composition of the soil, select stakes with a length from 12 to 18 inches. U-shaped staples shall be 11 gauge or greater, with legs at a minimum of 8 inches length with a 2 inch crown.

Planting:
1. Lime, fertilizer, and seed shall be applied in accordance with seeding or other type of planting plan completed prior to installation of matting.
2. For permanent matting, the area must be brought to final grade, plowed, limed, and fertilized. After the permanent mat has been installed and backfilled, the entire area shall be grassed.

Installation:
See Figure 6-7.1 on Sheet 7A for typical installation guidelines. Follow manufacturer's recommendations for laying and stapling.

Maintenance: All erosion control blankets and matting should be inspected periodically following installation, particularly after rainstorms and during winter. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until they become permanently stabilized.

Tb TACKIFIERS AND BINDERS

All organic mulching materials shall be anchored by tackifiers/binders or matting/netting. Tackifiers and binders are used to anchor wood cellulose, wood pulp fibers, and other mulching materials applied with hydroseeding seeding equipment.
Approved Tackifiers and Binders:
Product or Trade Name Rec. Application Rate
TERRA-MULCH Per Mfg's Recommendation
TACKING AGENT III Per Mfg's Recommendation

THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO AND CONCURRENT WITH LAND DISTURBING ACTIVITIES.

Ds3 DISTURBED AREA STABILIZATION (W/PERMANENT SEEDING)

GRASS	RATE		SEASON		YEARS TO FERTILIZING RATE	
	1000 SF	ACRE	FERTILIZER	LIME	6/12/12	TOP DRESSING
HULLED COMMON BERMUDA GRASS	0.2 LBS	10 LBS	3/15-1/31 YEAR	60 LBS./1000 SF	40 LBS./1000 SF	2 LBS./1000 SF
			2ND YEAR (BY OWNER)	36 LBS./1000 SF	24 LBS./1000 SF	2 LBS./1000 SF
UNHULLED COMMON BERMUDA GRASS	0.2 LBS	10 LBS	2/1-4/30	60 LBS./1000 SF	40 LBS./1000 SF	2 LBS./1000 SF
			2ND YEAR (BY OWNER)	36 LBS./1000 SF	24 LBS./1000 SF	2 LBS./1000 SF
TALL FESCUE	3.9 LBS	50 LBS	8/1-12/31	60 LBS./1000 SF	40 LBS./1000 SF	2 LBS./1000 SF
			2ND YEAR (BY OWNER)	36 LBS./1000 SF	24 LBS./1000 SF	2 LBS./1000 SF

SPECIFICATIONS
ALL DISTURBED AREAS WILL RECEIVE PERMANENT GRASS OR 4"-6" LAYER OF PINE STRAW MULCH (DS1). FINAL LANDSCAPE BED LINES AND SHRUB PLANTING WILL BE ACCORDING TO FINAL LANDSCAPE PLANS TO BE ISSUED IN A SEPARATE PACKAGE.
SEE SEEDING AND FERTILIZING CHART FOR RATES OF SEEDING, LIME, AND FERTILIZER.
Grading and Shaping:
1. Grading and shaping is not normally required where hydraulic seeding and fertilizing equipment is to be used. Vertical banks shall be sloped to enable plant establishments.
2. When conventional seeding and fertilizing are to be done, grade and shape where feasible and practical, so the equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of the vegetation.
3. Concentrations of water that will cause excessive soil erosion will be diverted to a safe outlet. Diversions and other treatment practices must conform with the appropriate standards or specifications.
Lime and Fertilizer - Rates and Analysis:
1. Agricultural lime is required at the rate indicated in the table. Graded areas require lime application. Agricultural lime shall be within the specifications of the Georgia Department of Agriculture.
2. Lime spread by conventional equipment will be ground limestone. Ground limestone is calcitic or dolomitic limestone ground to 80 percent passing through a 10-mesh sieve, not less than 50 percent will pass through a 50-mesh sieve and not less than 25 percent will pass through a 100-mesh sieve.
Lime Fertilizer - Application:
Conventional Seeding: When conventional planting is to be done, lime and fertilizer will be applied uniformly in one of the following ways:
a. Apply before land preparation so that it will be mixed with the soil during seedbed preparation or
b. Mix with the soil used to fill the holes, distribute in furrows, or
c. Broadcast after steep surfaces are scarified, pitted or trenched.
4. A fertilizer pellet will be placed at root depth beside each pine tree seeding.
SEE SEEDING AND FERTILIZING CHART FOR RATES OF SEEDING, LIME, AND FERTILIZER.

Seedbed Preparation:
1. Seedbed preparation is not required where hydraulic seeding and fertilizing equipment is to be used.
2. When conventional seeding is to be used, seedbed preparation will be done as follows:
a. Broadcast plantings.
1) Tillage at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a disk is to be used.
2) Tillage may be done with any suitable equipment.
3) Tillage may be done on the contour where feasible.
4) On slopes too steep for a safe operation of tillage equipment, the soil surface will be pitted or trenched and the slope with appropriate hard tools to provide places 6 to 8 inches apart in which seed may lodge and germinate.
b. Individual plants.
1) Where individual plants are to be set, the soil will be well prepared by excavating holes, opening furrows, or dibble planting.
2) For nursery stock plantings, holes shall be large enough to accommodate roots without crowding.

Planting:
1. Conventional seeding - Seeding will be done on a freshly prepared and firmed seedbed. For broadcast planting, use a cutlifter-seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with a cutlifter or other suitable equipment.
2. Individual plants - Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. Pine trees will be planted manually in the subsoil furrow. Each plant will be set in a manner that will avoid crowding the roots.
3. Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.
4. Where individual holes are dug, place fertilizer in the bottom of the hole, add two inches of soil and set the plant.
Mulching:
Mulch is required for all permanent vegetation applications. Mulch applied to seeded areas shall achieve 75% soil cover.
Select the mulching material from the following and apply as indicated:
1. Dry straw or dry hay of good quality and free of weed seeds can be used. Dry straw shall be applied at the rate of 2 1/2 tons per acre.
2. Wood cellulose mulch or wood pulp fiber shall be used with hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Dry straw or dry hay shall be applied (at the rate indicated above) after hydraulic seeding.
3. Pine straw or pine bark shall be applied at a thickness of 3 inches for bedding purposes. Other suitable materials in sufficient quantity may be used where ornamentals or other ground covers are planted. This is not appropriate for seeded areas.
4. When using temporary erosion control blankets or block sod, mulch is not required. Wood cellulose and wood pulp fibers shall not contain germination or growth inhibiting factors. They shall be evenly dispersed when applied in water. The fibers shall contain a dye to allow visual metering and aid in uniform application during seeding.
Applying Mulch:
1. Straw or hay mulch will be spread uniformly within 24 hours after seeding and/or planting. The mulch may be spread by blower-type spreading equipment, other spreading equipment or by hand. About 75% of the soil surface will be covered.
2. Wood cellulose or wood fiber mulch will be applied with hydraulic seeding equipment.
Anchoring Mulch:
Anchor straw or hay mulch immediately after application by one of the following methods:
1. Emulsified asphalt can be (a) sprayed uniformly onto the mulch as it is ejected from the blower machine, or (b) applied on the mulch immediately following mulch application when straw or hay is spread by methods other than special blower equipment.
The combination of asphalt emulsion and water shall consist of a homogeneous mixture satisfactory for spraying. The mixture shall consist of 100 gallons of grade SS-1h or CSS-1h emulsified asphalt and 100 gallons of water per ton of mulch.
Care shall be taken at all times to protect the public, adjacent property, pavements, curbs, sidewalks, and all other structures from asphalt discoloration.
2. Hay and straw mulch shall be pressed into the soil immediately after the mulch is spread. A special "pucker disk" or disk harrow with the disks set straight may be used. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil.
3. Synthetic tackifiers or binders approved by GDOT shall be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers will be mixed and applied according to manufacturer's specifications. Refer to Tackifiers & Binders-Tb specifications. Tackifiers will be used when wood cellulose or wood pulp fiber mulch is applied alone.
4. Plastic mesh or netting with no larger than one inch by one inch mesh may be needed to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's specs.

Bedding Material:
Mulch shall be applied to the following depths:
Material: Pine needles
Depth: 3" to 5"
Grass hay 4" to 6"
Wood waste 4" to 6"
Irrigation:
Irrigation will be applied at a rate that will not cause runoff.
Topdressing:
Topdressing will be applied on all temporary grass species and permanent grasses planted alone or in mixtures with other species. See adjacent Table for application rates.
Second Year and Maintenance Fertilization:
Second year fertilizer rates and maintenance fertilizer rates are listed in the above Table.
Lime and Maintenance Application:
Apply one ton of agricultural lime every 4 to 6 years or as indicated by soil tests.
Use and Management:
Bermudagrass, Bahiagrass and Tall fescue may be mowed as desired. Maintain at least 6 inches of top growth under any use and management. Moderate use of top growth is beneficial after establishment.

Storm Drain Outlet Protection (St)

Paved and/or riprapped channel sections, placed below storm drain outlets. To reduce velocity of flow before entering receiving channels below storm drain outlets. This standard applies to all storm drain outlets, road culverts, paved channel outlets, etc., discharging into natural or constructed channels. Analysis and/or treatment will extend from the end of the conduit, channel or structure to the point of entry into an existing stream or publicly maintained drainage system.

DESIGN CRITERIA
Structurally lined aprons at the outlets of pipes and paved channel sections shall be designed according to the following criteria:
Capacity
Peak stormflow from the 25year, 24-hour frequency storm or the storm specified in Title 12-7-1 of the Official Code of Georgia Annotated or the design discharge of the water conveyance structure, whichever is greater.

Tailwater Depth
The depth of tailwater immediately below the pipe outlet must be determined for the design capacity of the pipe. Manning's Equation may be used to determine tailwater depth. If the tailwater depth is less than half the diameter of the outlet pipe, it shall be classified as a Minimum Tailwater Condition. If the tailwater depth is greater than half the pipe diameter, it shall be classified as a Maximum Tailwater Condition. Pipes which outlet onto flat areas with no defined channel may be assumed to have a Minimum Tailwater Condition.

Apron Length and Thickness
The apron length and d50, stone median size, shall be determined from the curves according to tailwater conditions:
Minimum Tailwater - Use Figure 6-24.1
Maximum Tailwater - Use Figure 6-24.2
Maximum Stone Size = 1.5 x d50
Apron Thickness = 1.5 x dmax

Apron Width
If the pipe discharges directly into a well-defined channel, the apron shall extend across the channel bottom and up the channel banks to an elevation one foot above the maximum tailwater depth or to the top of the bank (whichever is less). If the pipe discharges onto a flat area with no defined channel, the width of the apron shall be determined as follows:
a. The downstream end of the apron, adjacent to the pipe, shall have a width three times the diameter of the outlet pipe.
b. For a Minimum Tailwater Condition, the downstream end of the apron shall have a width equal to the pipe diameter plus the length of the apron.
c. For a Maximum Tailwater Condition, the down stream end shall have a width equal to the pipe diameter plus 0.4 times the length of the apron.

Bottom Grade
The apron shall be constructed with no slope along its length (0.0% grade). The invert elevation of the downstream end of the apron shall be equal to the elevation of the invert of the receiving channel. There shall be no overfall at the end of the apron.

Side Slope
If the pipe discharges into a well-defined channel, the side slopes of the channel shall not be steeper than 2:1. GaSWCC (Amended - 2000) 6-179

Alignment
The apron shall be located so that there are no bends in the horizontal alignment.
Geotextile
Geotextiles should be used as a separator between the graded stone, the soil base, and the abutments. The geotextile will prevent the migration of soil particles from the subgrade into the graded stone. The geotextile shall be specified in accordance with AASHTO M288-96 Section 7.5, Permanent Erosion Control Recommendations. The geotextile should be placed immediately adjacent to the subgrade without any voids.

Materials
The apron may be lined with riprap, grouted riprap, or concrete. The median stone size for riprap, d50, shall be determined from the curves, Figures 6- 24.1 and 6-24.2, according to the tailwater condition. The gradation, quality and placement of riprap shall conform to Appendix C.

CONSTRUCTION SPECIFICATIONS
1. Ensure that the subgrade for the filter and riprap follows the required lines and grades shown in the plan. Compact any fill required in the subgrade to the density of the surrounding undisturbed material. Low areas in the subgrade on undisturbed soil may also be filled by increasing the riprap thickness.
2. The riprap and gravel filter must conform to the specified grading limits shown on the plans.
3. Geotextile must meet design requirements and be properly protected from punching or tearing during installation. Repair any damage by removing the riprap and placing another piece of filter fabric over the damaged area. All connecting joints should overlap a minimum of 1 ft. If the damage is extensive, replace the entire filter fabric.
4. Riprap may be placed by equipment, but take care to avoid damaging the filter.
5. The minimum thickness of the riprap should be 1.5 times the maximum stone diameter.
6. Construct the apron on zero grade with no overfall at the end. Make the top of the riprap at the downstream end level with the receiving area or slightly below it.
7. Ensure that the apron is properly aligned with the receiving stream and preferably straight throughout its length. If a curve is needed to fit site conditions, place it in the upper section of the apron.
8. Immediately after construction, stabilize all disturbed areas with vegetation.
9. Stone quality - Select stone for riprap from field stone or quarry stone. The stone should be hard, angular, and highly weather-resistant. The specific gravity of the individual stones should be at least 2.5.
10. Filter - Install a filter to prevent soil movement through the openings in the riprap. The filter should consist of a graded gravel layer or a synthetic filter cloth.

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1. Ensure that the subgrade for the filter and riprap follows the required lines and grades shown in the plan. Compact any fill required in the subgrade to the density of the surrounding undisturbed material. Low areas in the subgrade on undisturbed soil may also be filled by increasing the riprap thickness.
2. The riprap and gravel filter must conform to the specified grading limits shown on the plans.
3. Geotextile must meet design requirements and be properly protected from punching or tearing during installation. Repair any damage by removing the riprap and placing another piece of filter fabric over the damaged area. All connecting joints should overlap a minimum of 1 ft. If the damage is extensive, replace the entire filter fabric.
4. Riprap may be placed by equipment, but take care to avoid damaging the filter.
5. The minimum thickness of the riprap should be 1.5 times the maximum stone diameter.
6. Construct the apron on zero grade with no overfall at the end. Make the top of the riprap at the downstream end level with the receiving area or slightly below it.
7. Ensure that the apron is properly aligned with the receiving stream and preferably straight throughout its length. If a curve is needed to fit site conditions, place it in the upper section of the apron.
8. Immediately after construction, stabilize all disturbed areas with vegetation.
9. Stone quality - Select stone for riprap from field stone or quarry stone. The stone should be hard, angular, and highly weather-resistant. The specific gravity of the individual stones should be at least 2.5.
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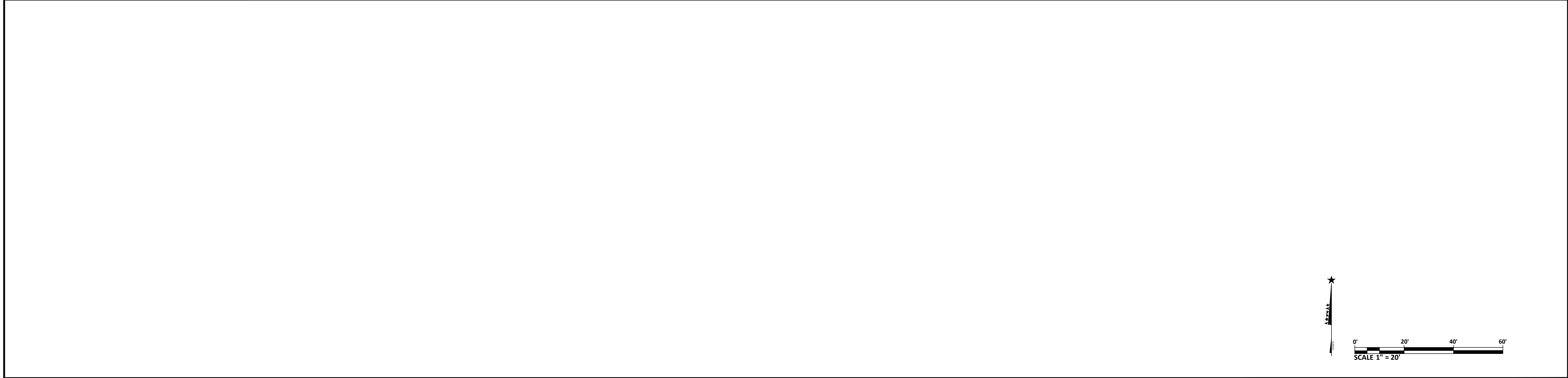
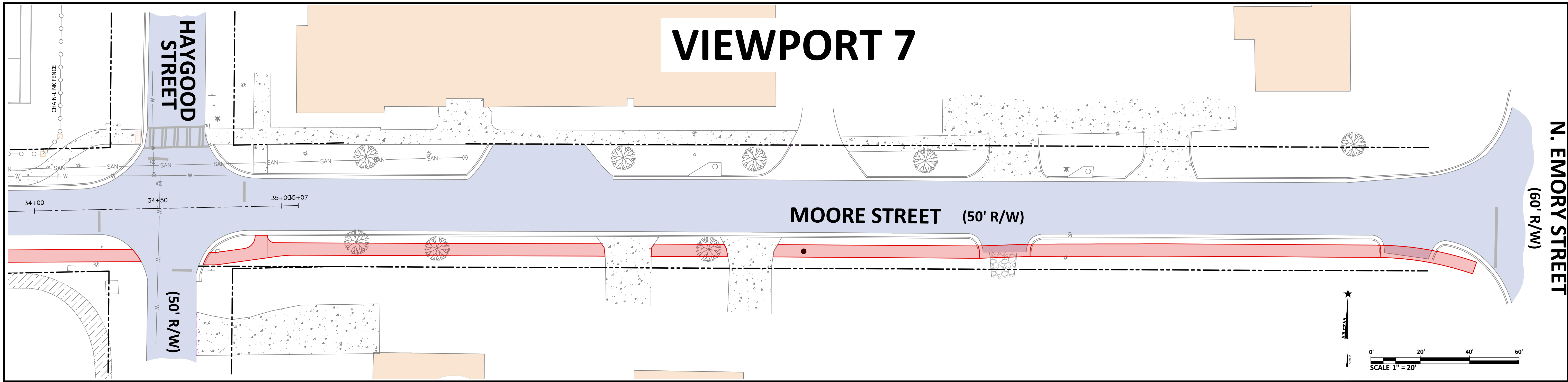
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**GEOMETRY PLAN
PANELS 4-6**

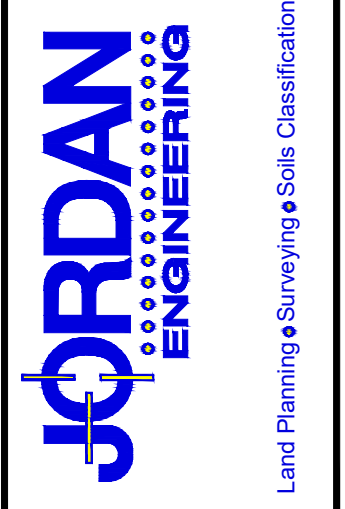
Moore Street Sidewalk
Oxford, Newton County, Georgia

Rev	Revision Description	Date	As Noted
0	Initial Issue	XX/XX/XX	

Sheet No.
3



Know what's below.
Call before you dig.



GEOMETRY /
UTILITIES
PLAN

East Clark Street Realignment
Land Lot 288, District 9, GMD 1525
Oxford, Newton County, Georgia

Rev	Revision Description	Date	Scale	As Noted
0	Initial Issue	3/06/17		
1	GDOT Comments addressed	5/1/17		
2	GDOT payment section updated	5/11/17		
3	MINOR UTILITY SPECS/UPDATES	6/05/17		
4	PRE-BID QUESTION UPDATES	7/06/17		

Sheet No.
3

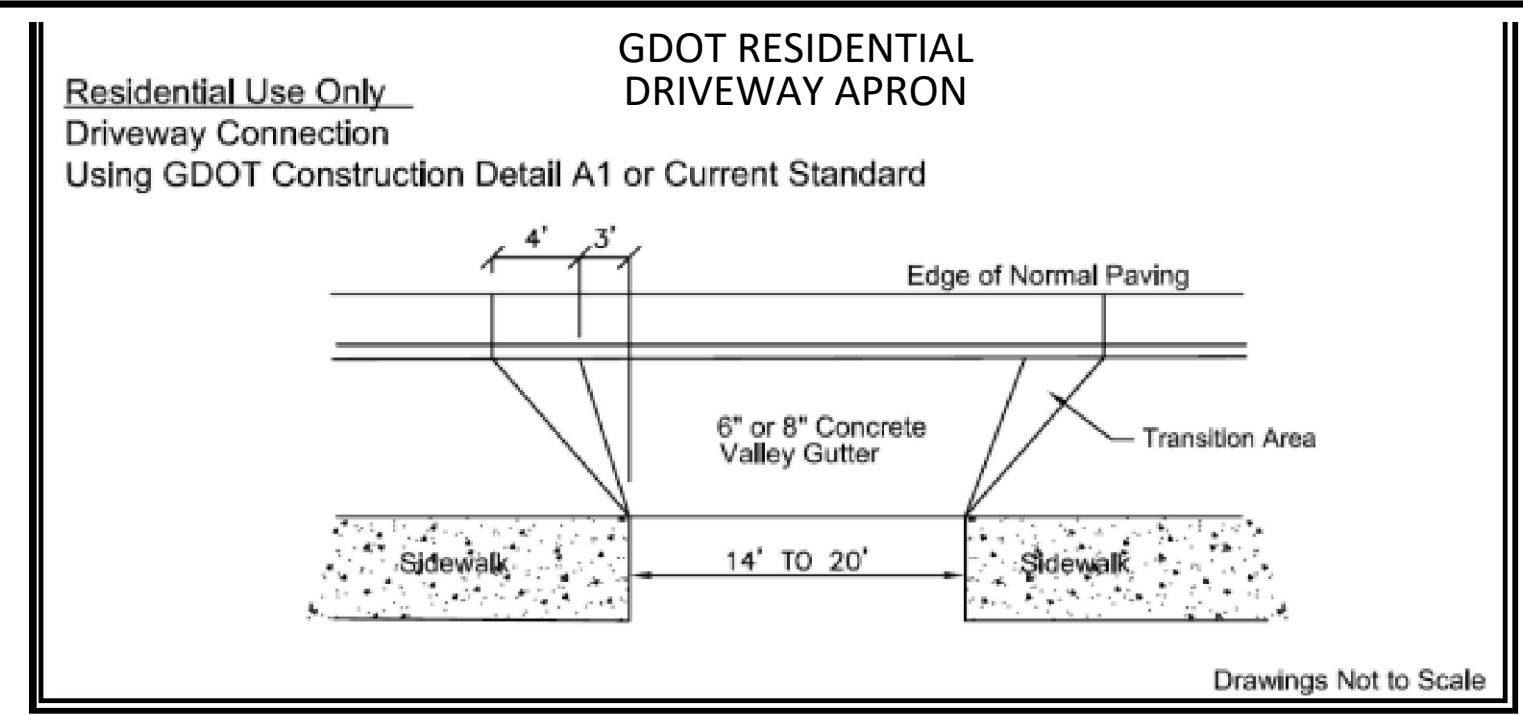


FIGURE 4-3 DRIVEWAY CONNECTIONS TO URBAN SECTIONS

- LEGEND**
- OPEN-TOP PIPE FOUND
 - SOLID ROD (REBAR) FOUND
 - 1/2" SOLID ROD (REBAR) SET
 - ⊗ BEARING CHANGE (NO PIN SET)
 - △ SURVEYOR'S NAIL SET
 - ADJOINING PROPERTY LINE
 - OHP
 - POWER POLE
 - P.O.B. POINT OF BEGINNING
 - P.O.R. POINT OF REFERENCE
 - NOF NOW OR FORMERLY
 - D.B. DEED BOOK
 - P.B. PLAT BOOK
 - LL LAND LOT
 - OTP OPEN-TOP PIPE

REFERENCES:
DEED RECORD: D.B. 2289, p. 182
PLAT RECORD: P.B. 45 p. 155
PLAT BY JORDAN FOR CITY OF OXFORD, JANUARY 5, 2015
TAX MAP NO. X40-002

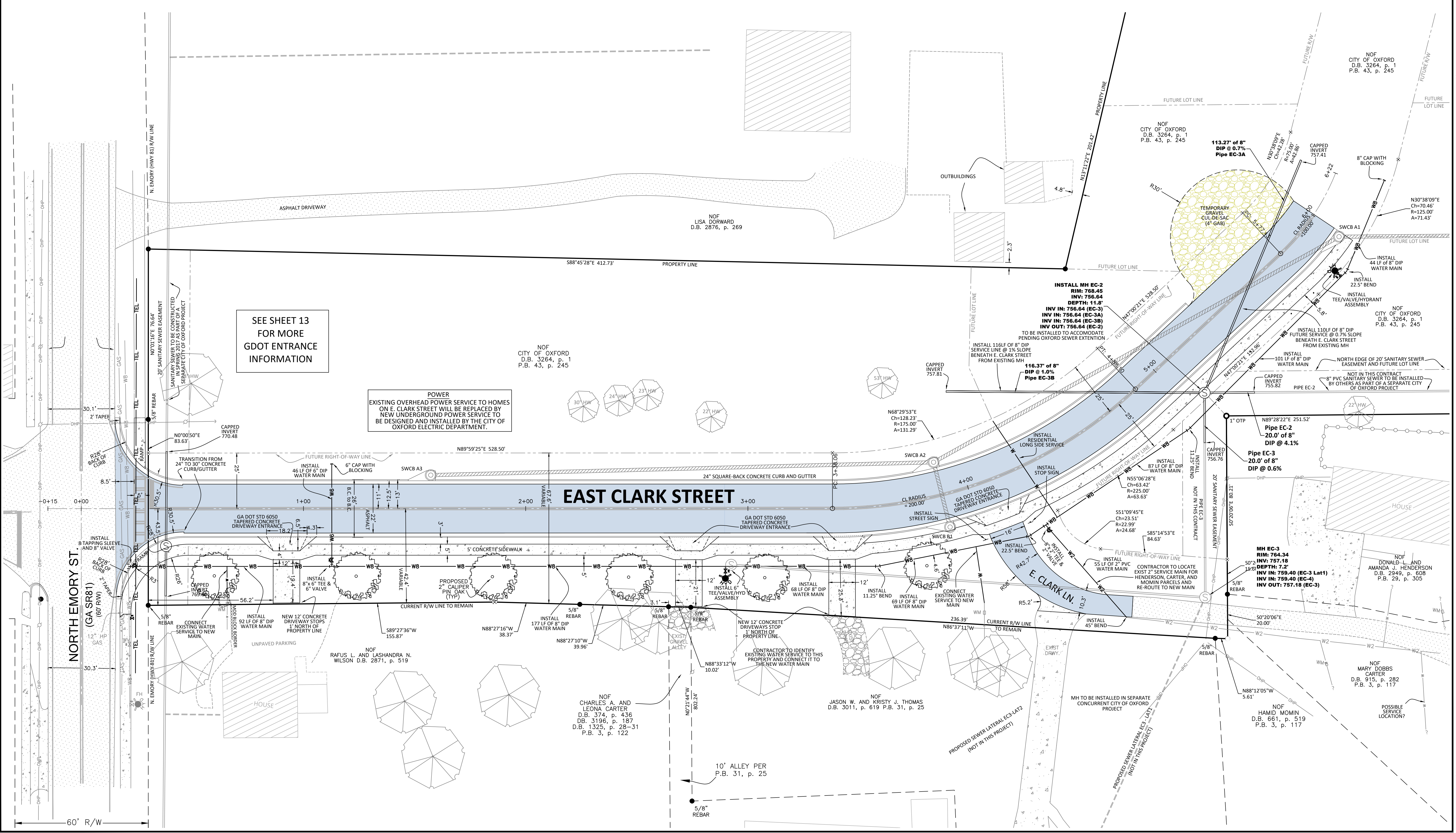
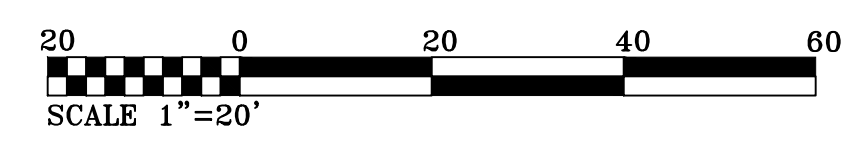
THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 230,790 FT.

BOUNDARY FIELD DATA WAS COLLECTED USING A TOPCON GPT2003W ELECTRONIC TOTAL STATION AND A CHAMPION TKO JAVAD TRIUMPH-LS DUAL FREQUENCY RTK GLOBAL POSITIONING SYSTEM RECEIVER REFERENCING THE eGPS STATEWIDE NETWORK AND HAVING A RELATIVE POSITIONAL ACCURACY OF LESS THAN 0.04 FT.

THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 7,985 FEET, AND AN ANGULAR ERROR OF 01" PER ANGLE POINT, AND WAS ADJUSTED USING THE LEAST SQUARES METHOD.

THE FIELD SURVEY DATA WAS COLLECTED IN DEC. 2014.

THE PROPERTY SHOWN HEREON IS NOT LOCATED WITHIN A FLOODPLAIN AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY MAP PANEL 1317C-0126D FOR NEWTON COUNTY, GEORGIA DATED 03-17-2014.



SEE SHEET 13
FOR MORE
GDOT ENTRANCE
INFORMATION

POWER
EXISTING OVERHEAD POWER SERVICE TO HOMES
ON E. CLARK STREET WILL BE REPLACED BY
NEW UNDERGROUND POWER SERVICE TO
BE DESIGNED AND INSTALLED BY THE CITY OF
OXFORD ELECTRIC DEPARTMENT.

EAST CLARK STREET

NORTH EMORY ST.
(GA SR81)
(60' R/W)

60' R/W

Rev	Revision Description	Date	Scale	As Noted
0	Initial Issue	3/06/17		
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3	MINOR UTILITY SPECS/UPDATES	6/05/17		
4	PRE-BID QUESTION UPDATES	7/06/17		

Sheet No.
3

Matt Pepper

From: Robert Jordan <robert@jordan-eng.com>
Sent: Friday, January 11, 2019 1:37 PM
To: Matt Pepper
Subject: E. Clark modification
Attachments: E Clark Extension geometry plan.pdf; Grading overview E size.pdf

Matt,

I reviewed my design drawings for the E. Clark Street extension project to see how the scope/design might most easily be modified to eliminate the curve at the eastern end. Here's my preliminary assessment:

- The PC (point of curvature) is located at roadway station 3+38, so the final 262 feet of road (grading, base, asphalt, curb, sidewalk, water line) would be eliminated. That's about 44% of the roadway length.
- There is a driveway apron proposed to serve the Thomas parcel that's right at the PC, so the street would need to be extended past the driveway to make the entrance work.
- There are two single-wing catch basins located at station 3+88 (50' beyond the curve). They'll need to be moved back to the PC to capture water from the new gutter. But due to the driveway apron, they'll need to be placed at about station 3+68.
- Since the road would need to be constructed beyond the PC, we'd need to decide if the roughly 40 feet of road past the PC will have a curve or will be straighten it -that's the City's call.
- Storm inlets B1, A2, and A3 will remain in the project and must be discharged somewhere at the east end of the site, and there must be sediment storage area and stormwater detention for the project, so even though Inlets A2 and B1 will be shifted westward, the storm lines conveying flow eastward to the sediment pond (and the sediment pond) will need to remain in the project. If the area is later developed residentially, the pond will need to be relocated appropriate to the new design of the residential area.
- The new water main will stop just after the PC. I suppose the new main would connect over to the old water service line past that point.
- In the design, there is a new section on drive/road to connect the eastern end of the current E. Clark Street to the new construction (labelled as E. Clark Lane). That connector entered the new street at a perpendicular angle at station 4+05, which will now not be constructed. I'm not sure how the residents at the east end of the Current E. Clark street will connect to the new construction. Either they will leave the existing 1-lane asphalt drive and cross the new gravel emergency vehicle turnaround to get to the new pavement or there will need to be a new 12' asphalt driveway constructed from the old road across the gravel cul-de-sac to the new road. If we go with the new 12' driveway option, it would be about 120' long.

Please give me a call if you'd like to discuss the issues I've mentioned.

Thanks,
Robert



Robert O. Jordan, PE RLS www.jordan-eng.com
Jordan Engineering, Inc. office (706) 468-8999
144 N. Warren Street cell (706) 318-6786
Monticello, GA 31064 fax (706) 504-9629



Amended January 9, 2019

JOB TITLE: Community Development Coordinator

DEPARTMENT: General Government

JOB SUMMARY: This position is responsible for managing, directing, and supervising economic and community development activities for the city.

MAJOR DUTIES:

- Facilitate the economic development of the city; participate in activities related to the Downtown Develop Authority and related historic preservation functions. Serve as the City's primary point of contact for all development inquiries.
- Develop, promote, and carry out community events and celebrations within the City. Work with city staff in the presentation of the July 4th Parade.
- Manage the city's social media accounts to alert residents of upcoming events and other important information.
- Coordinate development activities with Oxford College, Newton County, the City of Covington, the Covington-Newton County Chamber of Commerce, the Electric Cities of Georgia, and the Georgia Department of Community Affairs.
- Work to incorporate the development of technology in the city with the future development of the city.
- Work with and support the Oxford Planning Commission. Develop recommendations for the Planning Commission on Applications for Development Permit Approval.
- Research rezoning and zoning amendment requests. Prepare recommendations for the Planning Commission.
- Work with and support the Oxford Building Department. Collect building permit applications for review by the city's building inspector. Maintain database of approved permits.
- Perform research that will support retail and residential development.
- Research, prepare, and write grant applications related to economic and community development as needed.
- Investigate possible annexations to the City.

- Prepare monthly reports to the City Council and the City Manager.
- Perform other related duties as assigned.

KNOWLEDGE REQUIRED BY THE POSITION:

- Knowledge of the prerequisites for downtown development and the factors that influence developers to locate in a city.
- Familiar with residential development.
- Skill in preparing and maintaining reports and records.
- Skill in written and oral communication and interpersonal relations.
- Skill in operating and working with computers, online searches, and social media.
- Ability to develop informative brochures and information packages.
- Ability to understand zoning principles, laws, and regulations.

SUPERVISORY CONTROLS: This position reports to the city manager.

COMPLEXITY: The work consists of varied administrative and creative duties. Budgetary constraints and frequent contact with the public and the governing body contribute to the complexity of the work.

PERSONAL CONTACTS: Contacts are typically with co-workers, local elected officials, employees from other departments, employees from other governments, developers, and the general public.

PHYSICAL DEMANDS: The work is typically performed while sitting at a desk and in the field. The employee occasionally lifts light objects, uses equipment requiring dexterity, and must distinguish between shades of color.

WORK ENVIRONMENT: The work is typically performed in an office and in the field.

SUPERVISORY AND MANAGEMENT RESPONSIBILITY: This position has no supervisory responsibility.

MINIMUM QUALIFICATIONS:

- BA degree in a related field. MA preferred.
- Grant writing skills and experience preferred.
- Experience with historic preservation preferred.
- Experience with social media applications (Facebook, Twitter, etc.) preferred.
- Some experience with local government.