

SITE DEVELOPMENT PLANS FOR HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION COLUMBUS, MUSCOGEE COUNTY, GEORGIA

SITE 07-23-1342
Nueva Valley Subdivision
6711 Pine Valley Dr.

Any construction within the dripline of a tree within the public right-of-way must be permitted by the City Arborist. Ord. No. 20-A-1.1 (20)

Prepared for
HABITAT FOR HUMANITY

APPROVAL OF THESE PLANS DOES NOT RELIEVE THE OWNER OR CONTRACTOR FROM COMPLYING WITH ALL ORDINANCES AND LAWS OF THE CONSOLIDATED GOVERNMENT OF COLUMBUS.

This approval in no way relieves the property owner, contractor or other agent of his damage to adjacent properties and liability resulting therefrom and shall not constitute an assumption of liability by the City of Columbus for damages caused by construction and/or grading performed under said plans and permits.

This Property

☒ Is not located on a flood plain

☐ Is located in a flood plain and requires an elevation certificate

An elevation certificate (has) (has not) been issued

REVIEW OF SOIL EROSION AND SEDIMENTATION CONTROL ORDINANCE

☒ Approved 11-20-23

DEPARTMENT OF ENGINEERING

[CHECKLIST #U]

THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN TO CONDUCT INSPECTIONS DURING HE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE.



VICINITY MAP
NOT TO SCALE

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UTILITY LOCATION DISCLAIMER

THE UTILITIES ARE SHOWN AS PER THE LOCATION OF POLES, MANHOLES, VALVES, PEDESTALS, ETC., EXISTING DRAWINGS AND INFORMATION PROVIDED BY UTILITY PERSONNEL. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

REVISION	DESCRIPTION	DATE
1	ADDRESS FIRST SUBMITTAL COMMENTS	10/5/2023
2	ADDRESS SECOND SUBMITTAL COMMENTS	10/25/2023
3	ADDRESS THIRD SUBMITTAL COMMENTS	10/31/2023
4	ADDRESS FORTH SUBMITTAL COMMENTS	11/06/2023
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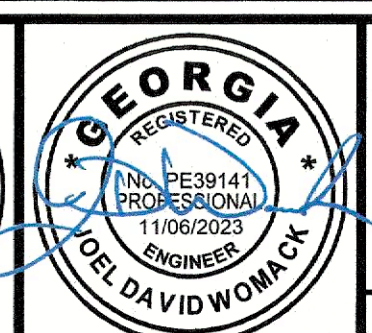


Know what's below.
Call before you dig.



EMC ENGINEERING SERVICES, INC.
ENVIRONMENTAL- MARINE - CIVIL - SURVEY

SPNR #: SITE-07-23-001342



EMC ENGINEERING SERVICES, INC.
3575 MACON ROAD, SUITE 15
COLUMBUS, GEORGIA 31907
PHONE: (706) 565-5985
FAX: (706) 565-5983
columbus@emc-eng.com
www.emc-eng.com

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01/2023/23-7035 HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION - NUEVA VALLEY SUBDIVISION - NUEVA VALLEY SUBDIVISION 11/7/2023 9:18 AM

PROJECT DESCRIPTION:

- THE DEVELOPER'S INTENT IS TO CONSTRUCT 7 NEW HOMES ALONG WITH THE NECESSARY INFRASTRUCTURE AND UTILITIES REQUIRED FOR SAID CONSTRUCTION.
- AN EXISTING CONDITIONS / TOPOGRAPHIC SURVEY OF THIS PARCEL WAS PERFORMED BY EMC ENGINEERING SERVICES, INC ON 6/5/2019.
- A GEOTECHNICAL REPORT OF THE PROJECT SITE IS NOT AVAILABLE AT THIS TIME.
- AN ENVIRONMENTAL SITE ASSESSMENT OF THE PROJECT SITE HAS NOT BEEN PREPARED WITHIN THE PAST 12 MONTHS. THE CONTRACTOR SHALL REVIEW ALL RELEVANT ENVIRONMENTAL REPORTS PRIOR TO BEGINNING CONSTRUCTION.
- THE TOTAL PARCEL AREA IS: 2.9 ACRES.
THE TOTAL DISTURBED AREA IS: 2.6 ACRES.
- THE PROJECT IS LOCATED AT LYING IN LAND LOT 54, 9TH LAND DISTRICT, COLUMBUS, MUSCOGEE COUNTY, GEORGIA.
- EMC REVIEWED THE U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLAND INVENTORY (NW) MAP, WHICH DOCUMENTED THERE ARE NO REGULATED WETLANDS ON THE SUBJECT PROPERTY OR ADJOINING PROPERTIES.
- THERE ARE NO PERENNIAL STATE WATERS PRESENT WITHIN 200 FEET OF THE LIMITS OF DISTURBANCE.
- THE PROJECT SITE LIES WITHIN ONE LINEAR MILE OF AN IMPAIRED STREAM SEGMENT THAT HAS BEEN LISTED AS A BIOTA IMPAIRED STREAM SEGMENT AS DEFINED BY THE PERMIT.
- THE INITIAL RECEIVING WATER FOR STORMWATER RUNOFF FROM THE SITE IS AN UNNAMED TRIBUTARY OF MILL BRANCH, A WARM WATER FISHERY.
- THE PROPERTY SHOWN HEREON IS LOCATED ON MAP NO. 1351580050F OF THE FEMA FLOOD INSURANCE RATE MAP COVERING CITY OF COLUMBUS - MUSCOGEE COUNTY, EFFECTIVE DATE: 9/5/2007, AND SHOWS THIS PROPERTY IS NOT LOCATED IN A DESIGNATED FLOOD HAZARD AREA.
- THE POINT OF CONTACT FOR CIVIL SITE WORK FOR THIS PROJECT IS:

ENGINEER OF RECORD:
JOEL D. WOMACK, PE
EMC ENGINEERING SERVICES INC.
3575 MACON ROAD
STE #15
COLUMBUS, GA 31907
PHONE: (706) 565-5985
joel_womack@emc-eng.com

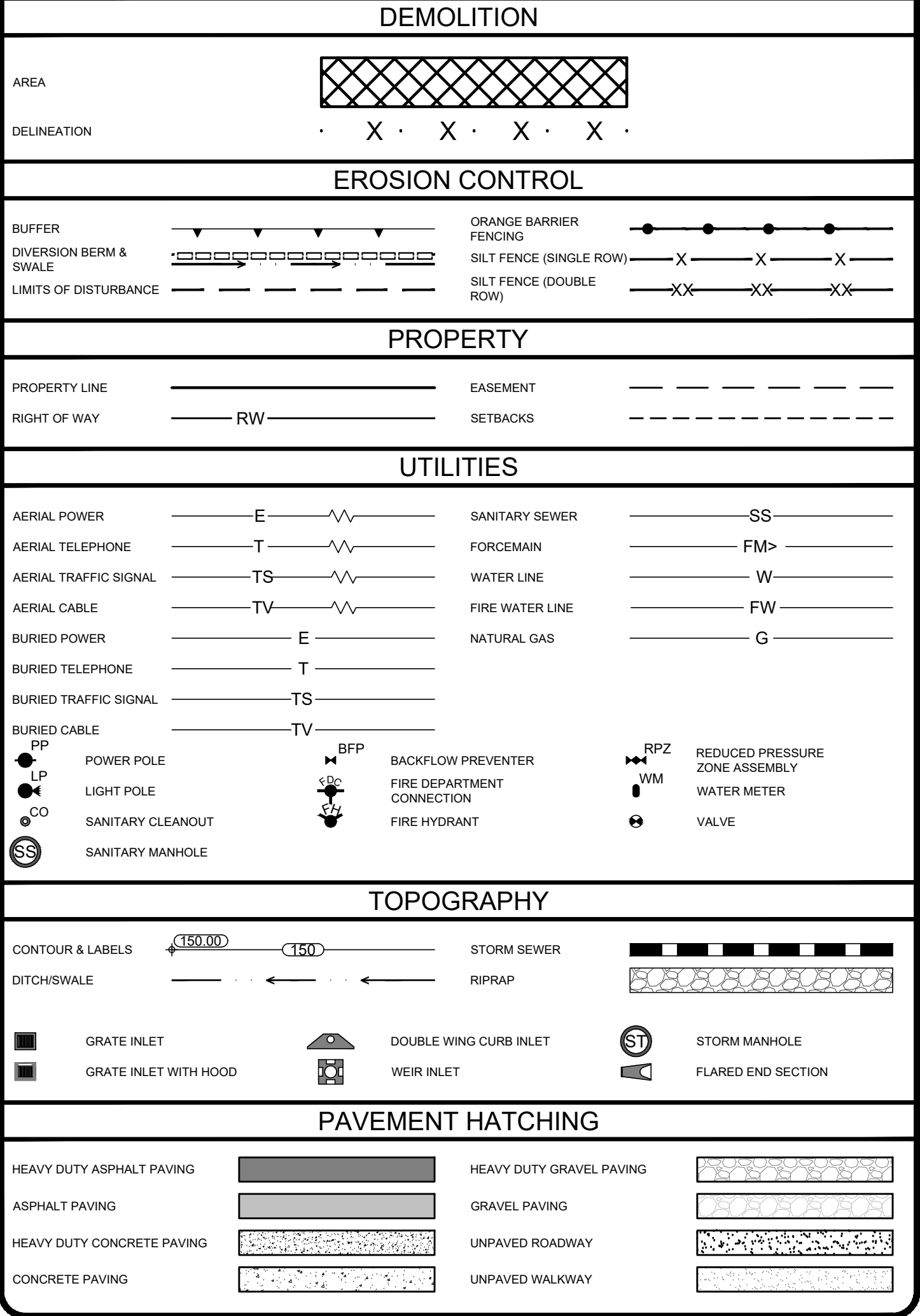
DEVELOPER/OWNER
HABITAT FOR HUMANITY
3520 RIVER ROAD
COLUMBUS, GA 3194
PHONE: (706) 653-6003
FAX: (706) 653-0050
info@ColumbusAreaHabitat.com

THIRTY-FOUR HOUR CONTACT RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL:
LOUISE HURLESS
(706) 653-6003
LOUISE@COLUMBUSAREAHABITAT.COM

GENERAL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY AND ALL WAYS, MEANS, AND METHODS OF CONSTRUCTION.
- THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE CONSTRUCTION OPERATIONS ABUT PUBLIC THROUGH-FARES AND ADJACENT PROPERTY.
- THE CONTRACTOR WILL COORDINATE THE WORK WITH THE UTILITY COMPANIES AND WILL VERIFY ALL EXISTING PIPE INVERTS AND EXISTING ROAD ELEVATIONS PRIOR TO CONSTRUCTION.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN HAND PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED AND DO NOT BIND THE ENGINEER IN ANY WAY.
- UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED ON GROUND MARKINGS BY OTHERS. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. VISIBLE EVIDENCE OF UTILITY STRUCTURES OBSERVED DURING THE COURSE OF THE FIELD SURVEY IS SHOWN HEREON.
- PRIOR TO INSTALLATION OF ANY UTILITY LINES, THE CONTRACTOR SHALL GIVE THE UTILITY COMPANIES THREE (3) WORKING DAYS NOTICE TO ALLOW TIME FOR EXISTING UTILITIES TO BE STAKED. BEFORE CALLING (811) THE CONTRACTOR SHALL HAVE THE FOLLOWING INFORMATION READY: COUNTY, TOWN, LOCATION, NEAREST STREET INTERSECTIONS, TYPE OF WORK (SEWER, WATER, PAVING, ETC.), YOUR COMPANY NAME, TELEPHONE NUMBER, OWNER'S NAME, DATE AND TIME YOU EXPECT TO COMMENCE CONSTRUCTION, AND WHERE AND HOW YOU CAN BE REACHED AND THE BEST TIME TO CONTACT YOU. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE AREA OF AN UNDERGROUND UTILITY WHETHER OR NOT SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO COMMENCEMENT OF WORK OR PURCHASING ANY MATERIALS OF ANY UTILITY DISCREPANCIES OR EXISTING UTILITY INSTALLATIONS THAT NEED RELOCATION. THE CONTRACTOR SHALL COOPERATE WITH THE RESPECTIVE UTILITY COMPANIES TO RELOCATE ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION.
- IT IS THE OBLIGATION OF THE CONTRACTOR TO MAKE HIS OWN INTERPRETATION OF ALL SURFACE AND SUBSURFACE DATA THAT IS AVAILABLE AS TO THE NATURE AND EXTENT OF THE MATERIALS TO BE EXCAVATED AND WASTED, AND/OR GRADED AND COMPACTED. THE INFORMATION SHOWN ON THESE PLANS AND SPECIFICATIONS DOES NOT IN ANY WAY GUARANTEE THE AMOUNT OR NATURE OF THE MATERIAL WHICH MAY BE ENCOUNTERED.
- IT IS EXTREMELY IMPORTANT FOR THE CONTRACTOR TO VISIT THE SITE PRIOR TO BEGINNING CONSTRUCTION IN ORDER TO VERIFY THE EXISTING CONDITIONS AS SHOWN ON THE PLANS BEFORE AGREEING TO PERFORM ANY WORK. DISCREPANCIES BETWEEN CONDITIONS SHOWN ON THE PLANS AND ACTUAL CONDITIONS ON SITE MUST BE REPORTED TO EMC ENGINEERING SERVICES, INC. IN A WRITTEN REPORT. FAILURE OF THE CONTRACTOR TO SUBMIT A REPORT TO EMC ENGINEERING SERVICES, INC. OF THE DISCREPANCIES BETWEEN CONDITIONS SHOWN ON THE PLANS AND ACTUAL CONDITIONS ON SITE SHALL BE INTERPRETED AS THE CONTRACTOR HAVING ACCEPTED SUCH CONDITIONS. THEREFORE, ANY COSTS FOR ADJUSTMENTS OR CHANGES IN THE WORK RESULTING FROM ERRORS IN THE LOCATIONS OR DIMENSIONS OF EXISTING OR PROPOSED FEATURES AFTER COMMENCING WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL FURNISH EMC ENGINEERING SERVICES, INC. WITH EVERY REASONABLE FACILITY FOR ASCERTAINING WHETHER OR NOT THE WORK PERFORMED AND THE PRODUCTS USED ARE IN ACCORDANCE WITH THE INTENT AND REQUIREMENTS OF THE SPECIFICATIONS AND THE CONTRACT DOCUMENTS AS WELL AS FEDERAL, STATE, AND LOCAL CODES AND SPECIFICATIONS.
- INSPECTIONS OF THE ONGOING WORK SHALL NOT RELIEVE THE CONTRACTOR OF ANY OBLIGATION TO FULFILL THIS CONTRACT. DEFECTIVE WORK SHALL BE MADE GOOD REGARDLESS OF WHETHER SUCH WORK HAS BEEN PREVIOUSLY INSPECTED AND ACCEPTED OR APPROVED FOR PAYMENT. THE FAILURE OF EMC ENGINEERING SERVICES, INC. OR ANY OTHER AUTHORIZED INSPECTOR TO REJECT IMPROPER WORK SHALL NOT BE CONSIDERED A WAIVER OF ANY RESPONSIBILITY FOR ANY DEFECT WHICH MAY BE DISCOVERED LATER, OR FOR ANY DEFECTIVE WORK AND THE CONTRACTOR'S RESPONSIBILITY TO MAKE IT GOOD SO AS TO COMPLY WITH CONTRACT DOCUMENTS AND FEDERAL, STATE AND LOCAL CODES.
- ALL DISTURBED AREAS, NOT DESIGNATED TO BE PAVED, SHALL BE GRASSED WITH PERMANENT SEEDING OR PLANTED WITH PERMANENT VEGETATION, EXCEPT WHERE PROPOSED CONSTRUCTION INDICATES OTHERWISE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND FURNISHING OF BORROW MATERIAL AS NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT. FILL MATERIAL SHALL BE CLEAN AND FREE OF ALL DEBRIS AND ORGANIC MATERIAL.
- ALL ITEMS REMOVED FROM THE PROJECT WHICH ARE NOT TO BE REUSED SHALL BE MOVED TO A LOCATION APPROVED BY THE OWNER.
- ALL STRIPING AND SIGNS SHALL BE IN CONFORMITY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION.
- ANY SURVEY MARKER OR MONUMENTS DISTURBED DURING CONSTRUCTION REQUIRES RE-ESTABLISHMENT BY A SURVEYOR LICENSED IN THE STATE THE PROJECT RESIDES IN AT THE CONTRACTOR'S EXPENSE.
- ANY INFORMATION BY THE GOVERNING AGENCY, INCLUDING BUT NOT LIMITED TO STANDARDS, REQUIREMENTS, SPECIFICATIONS, NOTES, AND DETAILS, SHALL SUPERCEDE IF THERE IS ANY CONFLICTING INFORMATION HEREIN.
- IF ANY CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR THE FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY IN WRITING, AND SHALL NOT COMMENCE OPERATION UNTIL CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

PROPOSED FEATURES LEGEND



GEORGIA UNIFORM CODING SYSTEM
ESPC STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT			A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Sd1	SEDIMENT BARRIER			A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, OR A SILT FENCE.
Sk	FLOATING SURFACE SKIMMER			A BUOYANT DEVICE THAT RELEASES/DRAINS WATER FROM THE SURFACE OF SEDIMENT PONDS, TRAPS, OR BASINS AT A CONTROLLED RATE OF FLOW.
Tr	TREE PROTECTION			TO PROTECT DESIRABLE TREES FROM INJURY DURING CONSTRUCTION ACTIVITY.

GEORGIA UNIFORM CODING SYSTEM
ESPC VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)			ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			ESTABLISHING A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON DISTURBED AREAS.
Du	DUST CONTROL ON DISTURBED AREAS			CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE, ROADWAYS AND SIMILAR SITES.

EXISTING FEATURES LEGEND



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CIVIL
MARINE
ENVIRONMENTAL

GENERAL NOTES & LEGEND

HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION
LYING IN LAND LOT 54, 9TH LAND DISTRICT
COLUMBUS, MUSCOGEE COUNTY, GEORGIA

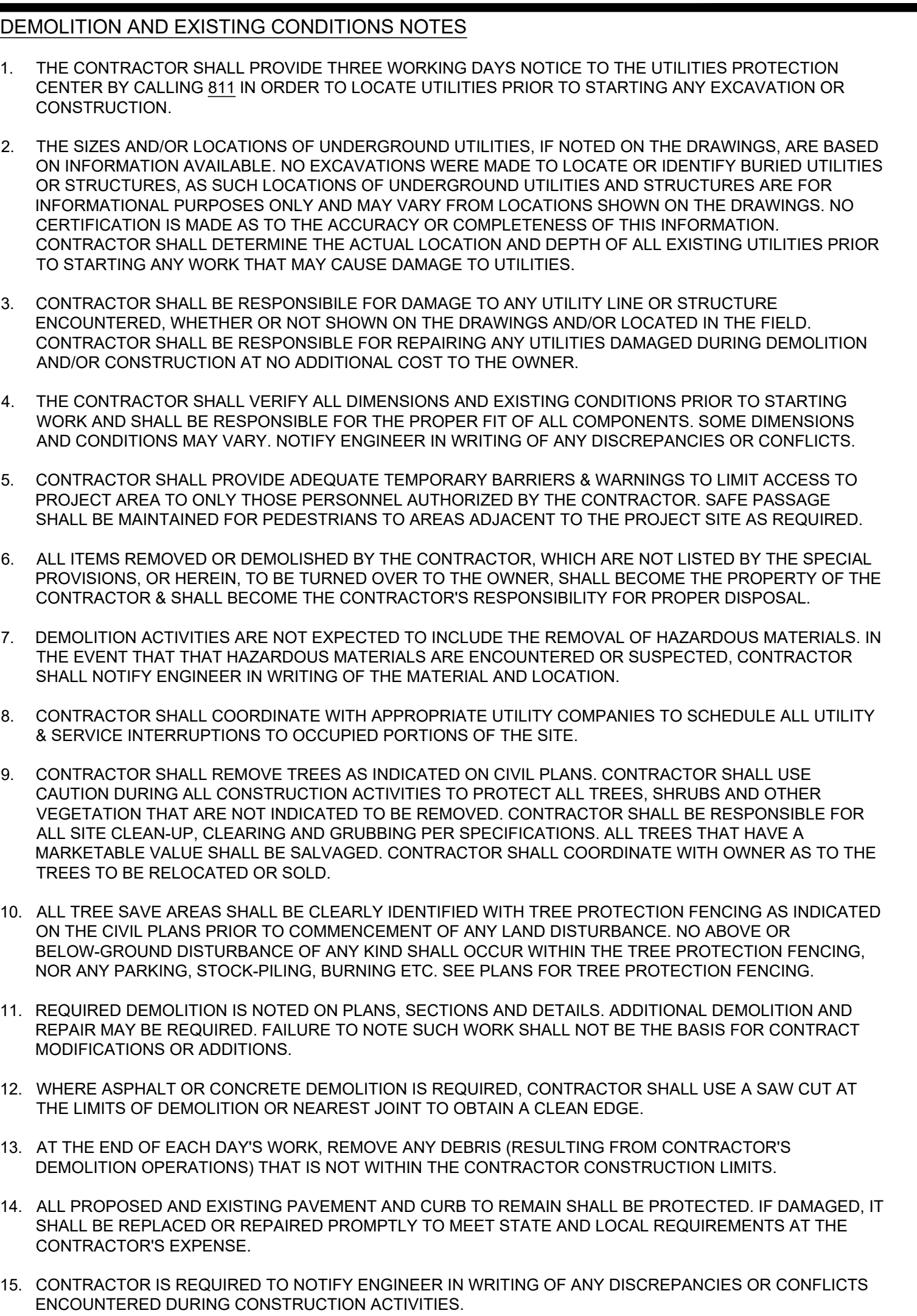
Prepared for:

HABITAT FOR HUMANITY

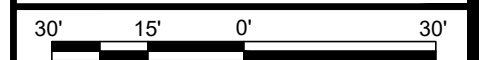
PROJECT NO.: 23-7035
DRAWN BY: TGF
DESIGNED BY: TGF
SURVEYED BY: EMC
SURVEY DATE: 6/5/2019
CHECKED BY: JDW
SCALE: NTS
DATE: 10/5/2023

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C2.0
OF 20

SPNR #: SITE-07-23-001342



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emc ENVIRONMENTAL

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EXISTING CONDITIONS & DEMOLITION PLAN

HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION
LYING IN LAND LOT 54, 9TH LAND DISTRICT
COLUMBUS, MUSCOGEE COUNTY, GEORGIA

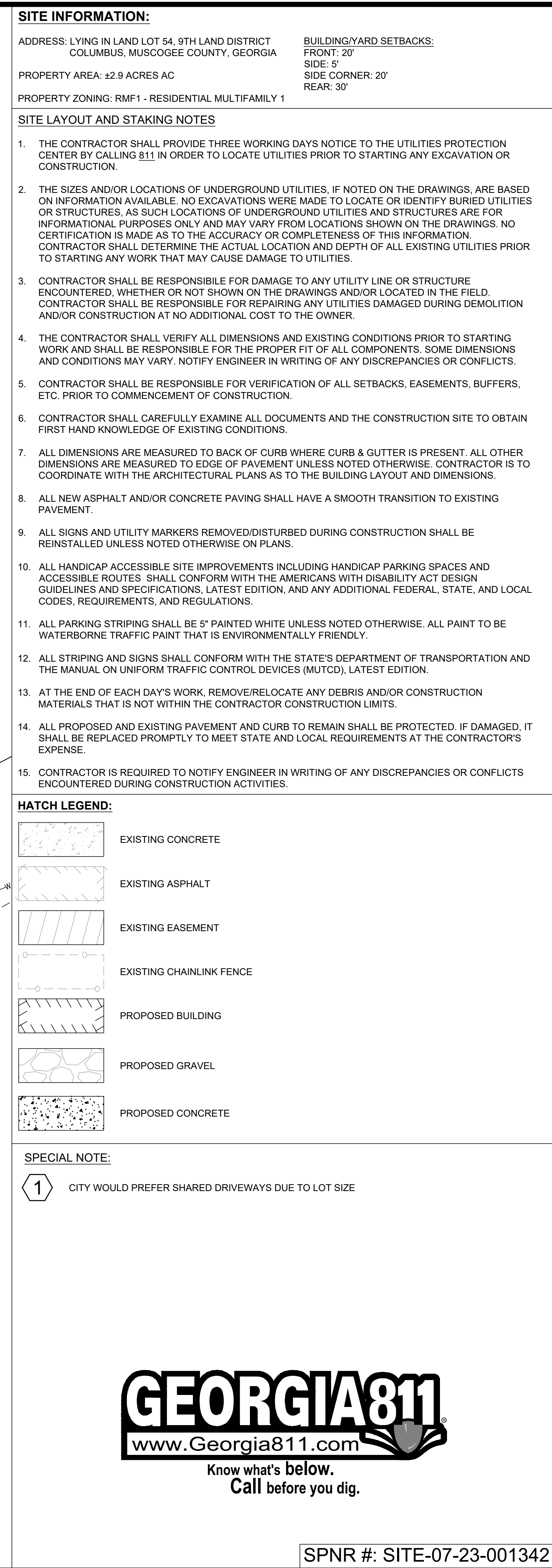
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HABITAT FOR HUMANITY

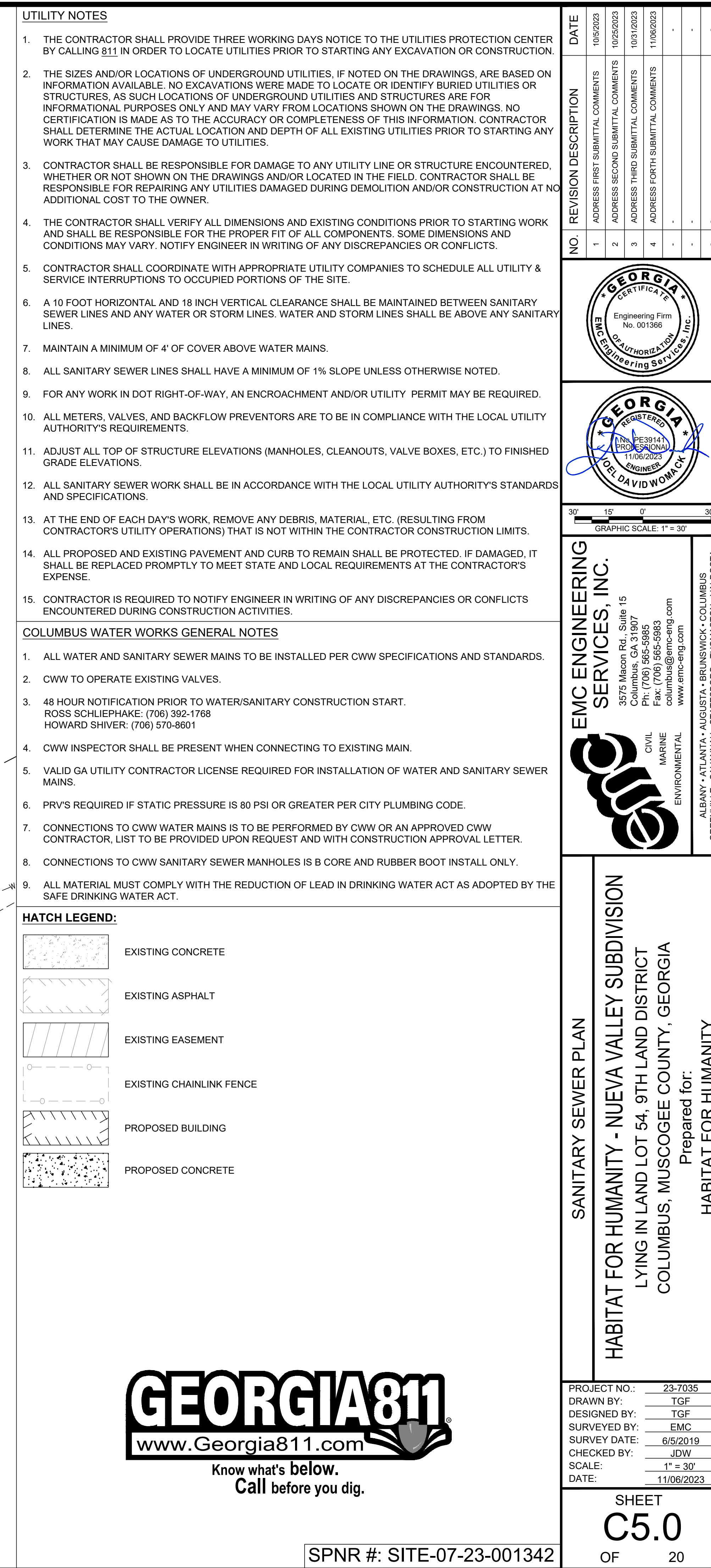
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DRAWN BY:	TGF
DESIGNED BY:	TGF
SURVEYED BY:	EMC
SURVEY DATE:	6/5/2019
CHECKED BY:	JDW
SCALE:	1" = 30'
DATE:	11/06/2023

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OF 20

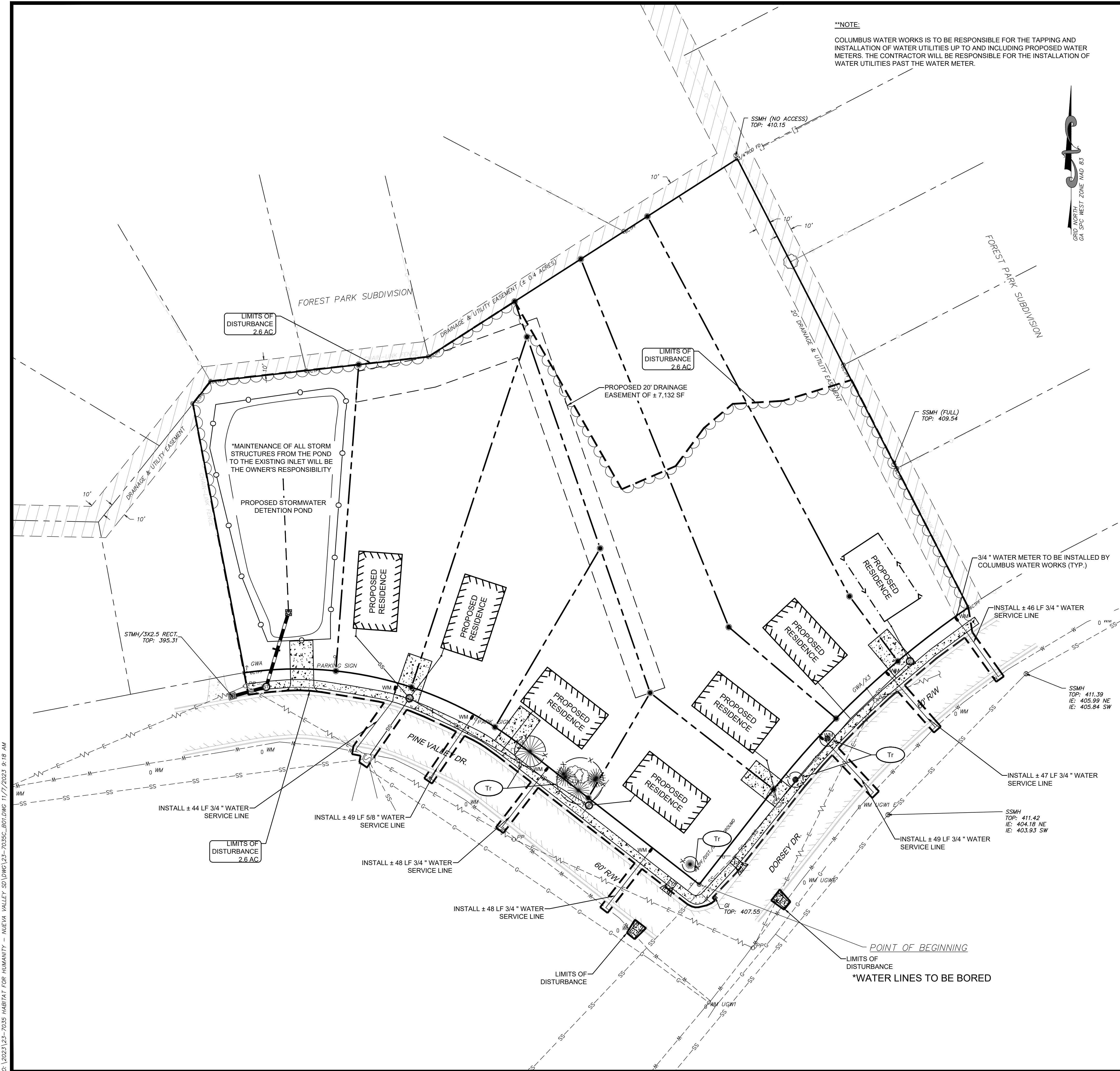
GEORGIA811
www.Georgia811.com

SPNR #: SITE-07-23-001342





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****NOTE:**
COLUMBUS WATER WORKS IS TO BE RESPONSIBLE FOR THE TAPPING AND INSTALLATION OF WATER UTILITIES UP TO AND INCLUDING PROPOSED WATER METERS. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE INSTALLATION OF WATER UTILITIES PAST THE WATER METER.



UTILITY NOTES

1. THE CONTRACTOR SHALL PROVIDE THREE WORKING DAYS NOTICE TO THE UTILITIES PROTECTION CENTER BY CALLING 811 IN ORDER TO LOCATE UTILITIES PRIOR TO STARTING ANY EXCAVATION OR CONSTRUCTION.
2. THE SIZES AND/OR LOCATIONS OF UNDERGROUND UTILITIES, IF NOTED ON THE DRAWINGS, ARE BASED ON INFORMATION AVAILABLE. NO EXCAVATIONS WERE MADE TO LOCATE OR IDENTIFY BURIED UTILITIES OR STRUCTURES. AS SUCH LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY VARY FROM LOCATIONS SHOWN ON THE DRAWINGS. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. CONTRACTOR SHALL DETERMINE THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO STARTING ANY WORK THAT MAY CAUSE DAMAGE TO UTILITIES.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY UTILITY LINE OR STRUCTURE ENCOUNTERED, WHETHER OR NOT SHOWN ON THE DRAWINGS AND/OR LOCATED IN THE FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY UTILITIES DAMAGED DURING DEMOLITION AND/OR CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING WORK AND SHALL BE RESPONSIBLE FOR THE PROPER FIT OF ALL COMPONENTS. SOME DIMENSIONS AND CONDITIONS MAY VARY. NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES OR CONFLICTS.
5. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANIES TO SCHEDULE ALL UTILITY & SERVICE INTERRUPTIONS TO OCCUPIED PORTIONS OF THE SITE.
6. A 10 FOOT HORIZONTAL AND 18 INCH VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN SANITARY SEWER LINES AND ANY WATER OR STORM LINES. WATER AND STORM LINES SHALL BE ABOVE ANY SANITARY LINES.
7. MAINTAIN A MINIMUM OF 4' OF COVER ABOVE WATER MAINS.
8. ALL SANITARY SEWER LINES SHALL HAVE A MINIMUM OF 1% SLOPE UNLESS OTHERWISE NOTED.
9. FOR ANY WORK IN DOT RIGHT-OF-WAY, AN ENCROACHMENT AND/OR UTILITY PERMIT MAY BE REQUIRED.
10. ALL METERS, VALVES, AND BACKFLOW PREVENTORS ARE TO BE IN COMPLIANCE WITH THE LOCAL UTILITY AUTHORITY'S REQUIREMENTS.
11. ADJUST ALL TOP OF STRUCTURE ELEVATIONS (MANHOLES, CLEANOUTS, VALVE BOXES, ETC.) TO FINISHED GRADE ELEVATIONS.
12. ALL SANITARY SEWER WORK SHALL BE IN ACCORDANCE WITH THE LOCAL UTILITY AUTHORITY'S STANDARDS AND SPECIFICATIONS.
13. AT THE END OF EACH DAY'S WORK, REMOVE ANY DEBRIS, MATERIAL, ETC. (RESULTING FROM CONTRACTOR'S UTILITY OPERATIONS) THAT IS NOT WITHIN THE CONTRACTOR CONSTRUCTION LIMITS.
14. ALL PROPOSED AND EXISTING PAVEMENT AND CURB TO REMAIN SHALL BE PROTECTED. IF DAMAGED, IT SHALL BE REPLACED PROMPTLY TO MEET STATE AND LOCAL REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.
15. CONTRACTOR IS REQUIRED TO NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES OR CONFLICTS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES.

COLUMBUS WATER WORKS GENERAL NOTES

1. ALL WATER AND SANITARY SEWER MAINS TO BE INSTALLED PER CWW SPECIFICATIONS AND STANDARDS.
2. CWW TO OPERATE EXISTING VALVES.
3. 48 HOUR NOTIFICATION PRIOR TO WATER/SANITARY CONSTRUCTION START.
ROSS SCHLIEPHAKE: (706) 392-1768
HOWARD SHIVER: (706) 570-8601
4. CWW INSPECTOR SHALL BE PRESENT WHEN CONNECTING TO EXISTING MAIN.
5. VALID GA UTILITY CONTRACTOR LICENSE REQUIRED FOR INSTALLATION OF WATER AND SANITARY SEWER MAINS.
6. PRV'S REQUIRED IF STATIC PRESSURE IS 80 PSI OR GREATER PER CITY PLUMBING CODE.
7. CONNECTIONS TO CWW WATER MAINS IS TO BE PERFORMED BY CWW OR AN APPROVED CWW CONTRACTOR, LIST TO BE PROVIDED UPON REQUEST AND WITH CONSTRUCTION APPROVAL LETTER.
8. CONNECTIONS TO CWW SANITARY SEWER MANHOLES IS B CORE AND RUBBER BOOT INSTALL ONLY.
9. ALL MATERIAL MUST COMPLY WITH THE REDUCTION OF LEAD IN DRINKING WATER ACT AS ADOPTED BY THE SAFE DRINKING WATER ACT.

HATCH LEGEND:

- | | |
|--|--------------------------|
| | EXISTING CONCRETE |
| | EXISTING ASPHALT |
| | EXISTING EASEMENT |
| | EXISTING CHAINLINK FENCE |
| | PROPOSED BUILDING |
| | PROPOSED CONCRETE |



Know what's below.
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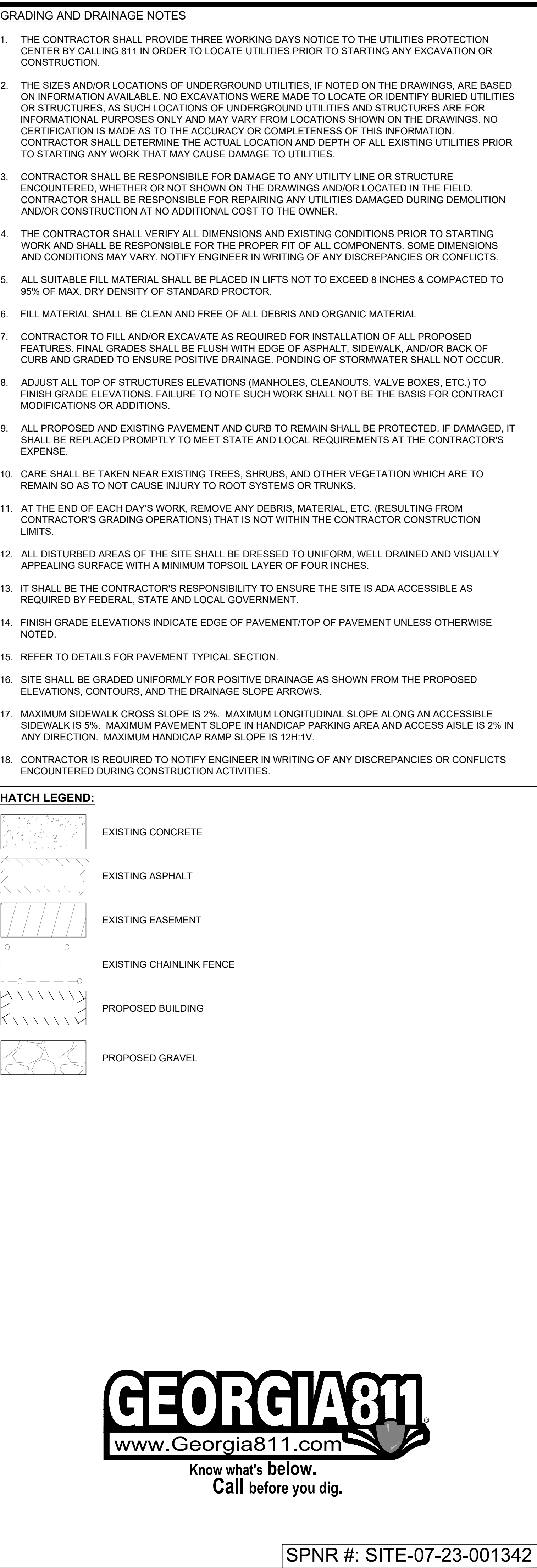
WATER UTILITIES PLAN

HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION
LYING IN LAND LOT 54, 9TH LAND DISTRICT
COLUMBUS, MUSCOGEE COUNTY, GEORGIA

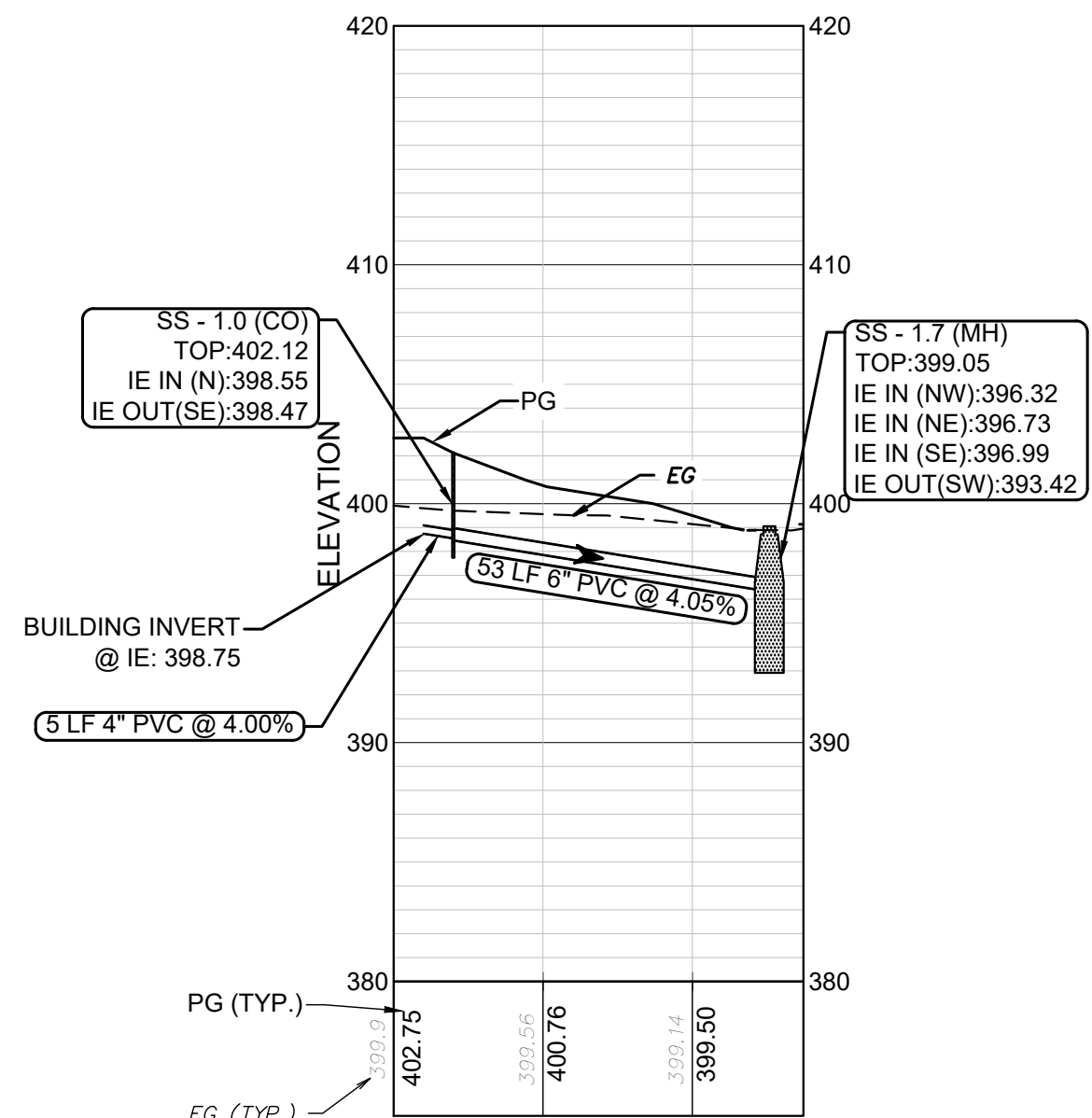
Prepared for:
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PROJECT NO.: 23-7035
DRAWN BY: TGF
DESIGNED BY: TGF
SURVEYED BY: EMC
SURVEY DATE: 6/5/2019
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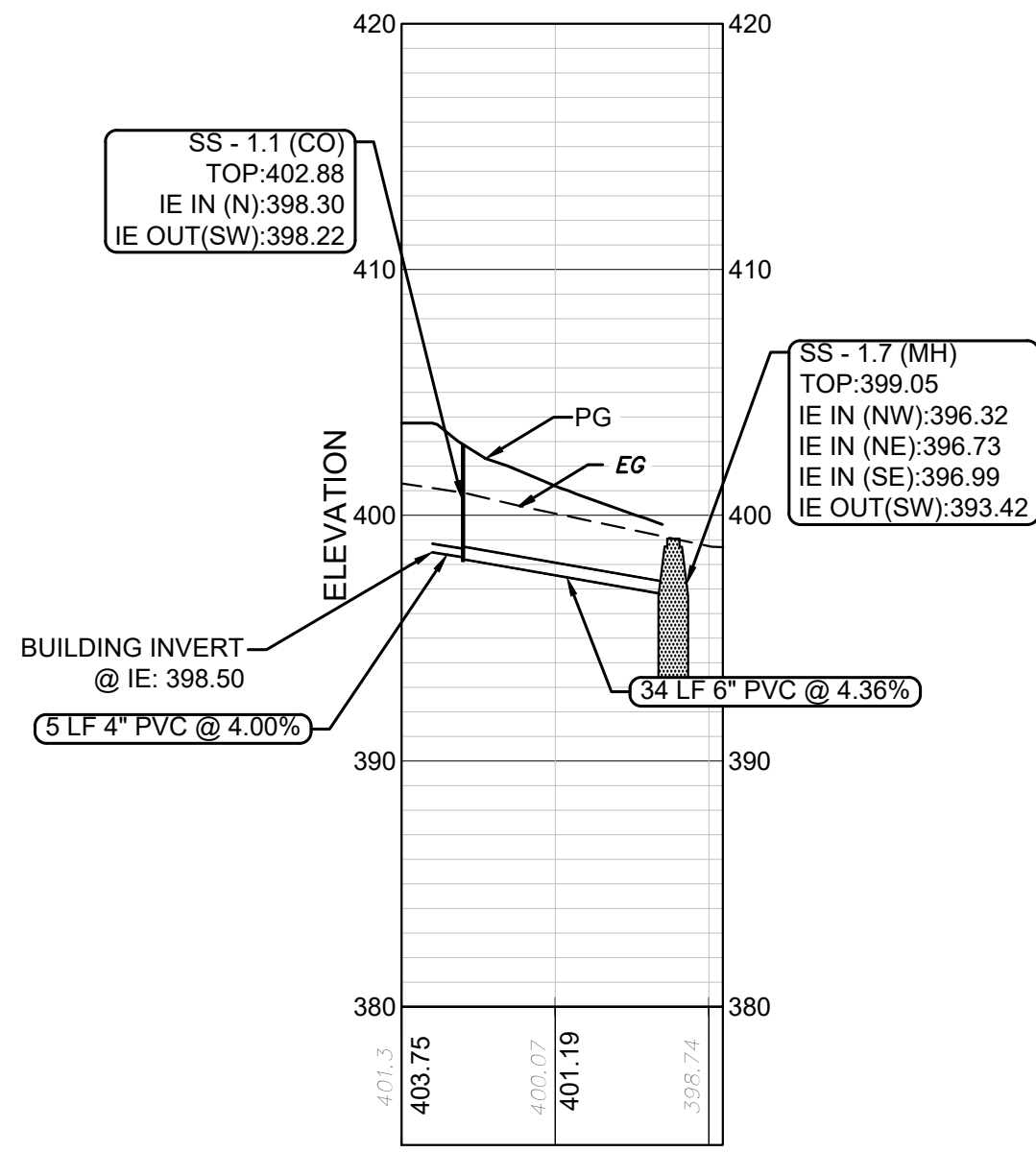
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C5.1
OF 20



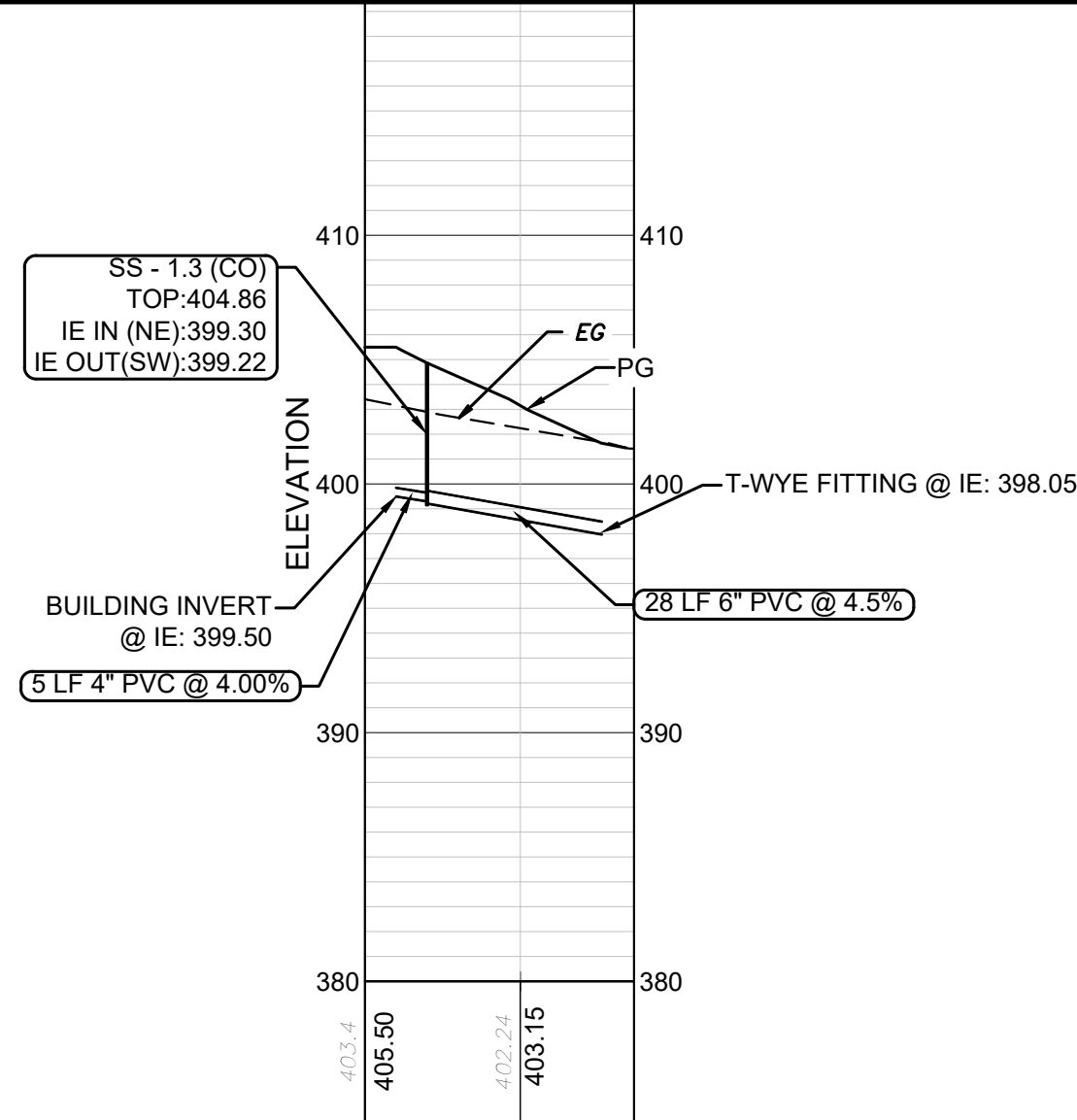
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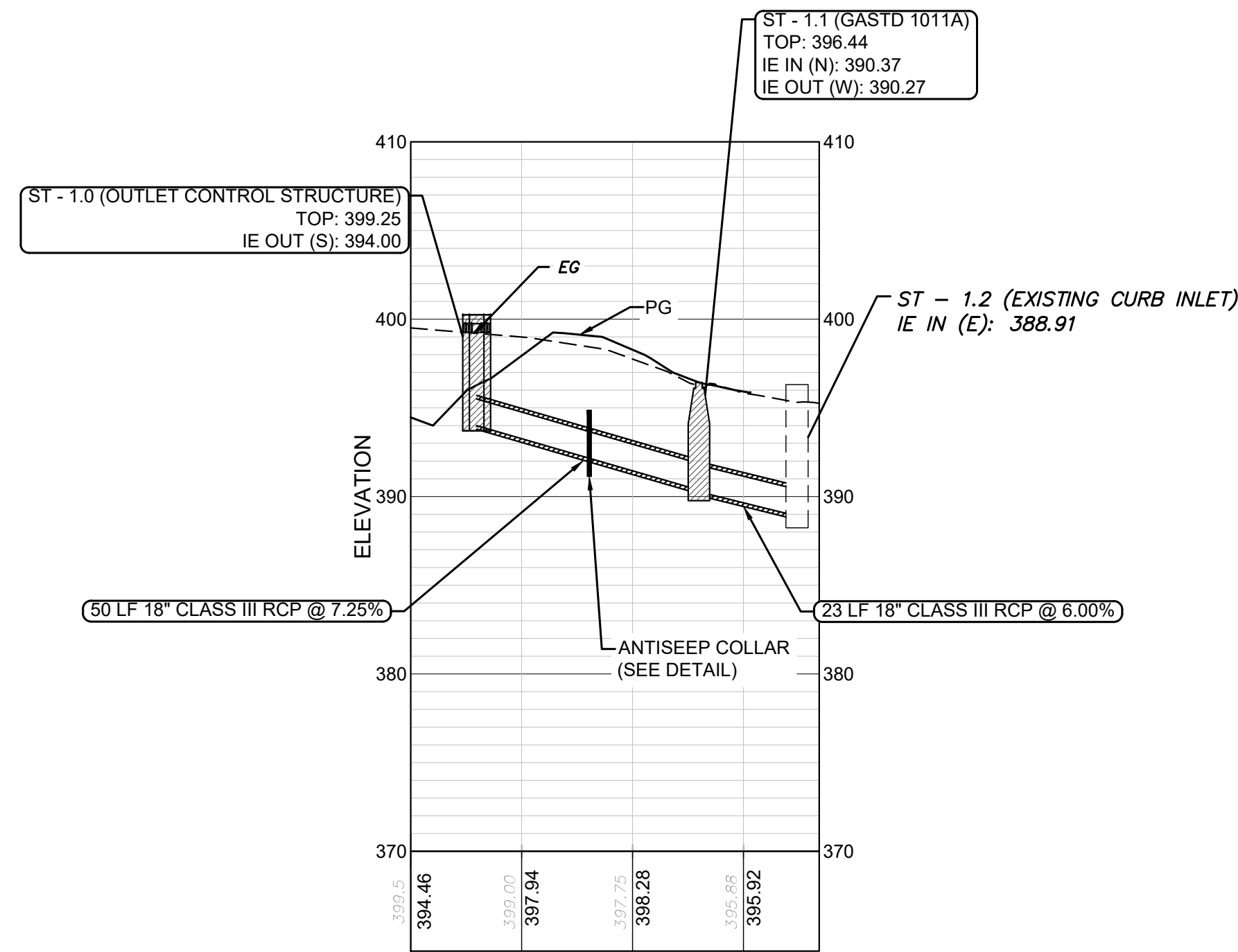
1+00
PROPOSED SANITARY SEWER (LOT 2) PROFILE
HORZ SCALE: 1" = 30'
VERT SCALE: 1" = 8'



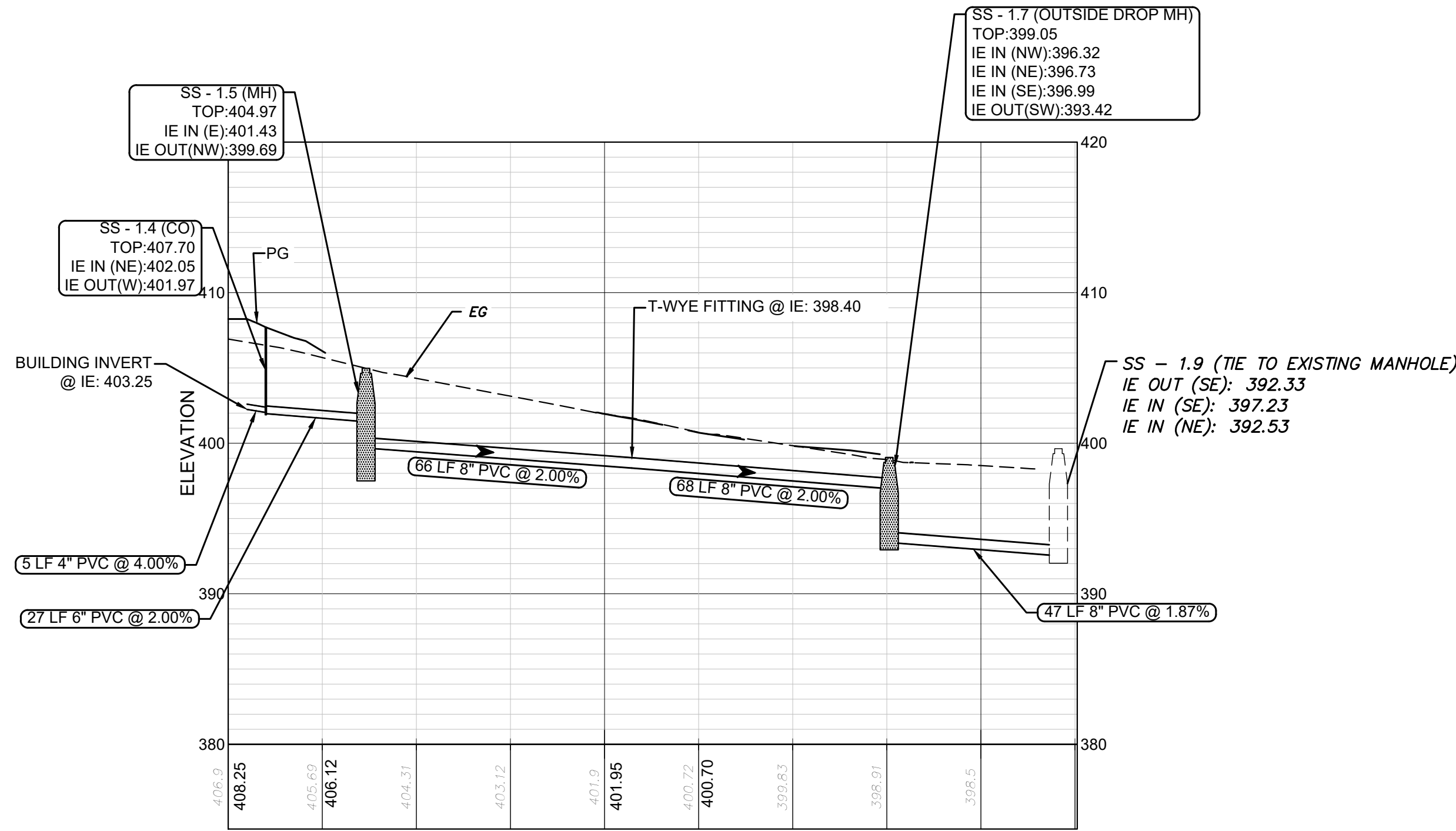
2+00
PROPOSED SANITARY SEWER (LOT 3) PROFILE
HORZ SCALE: 1" = 30'
VERT SCALE: 1" = 8'



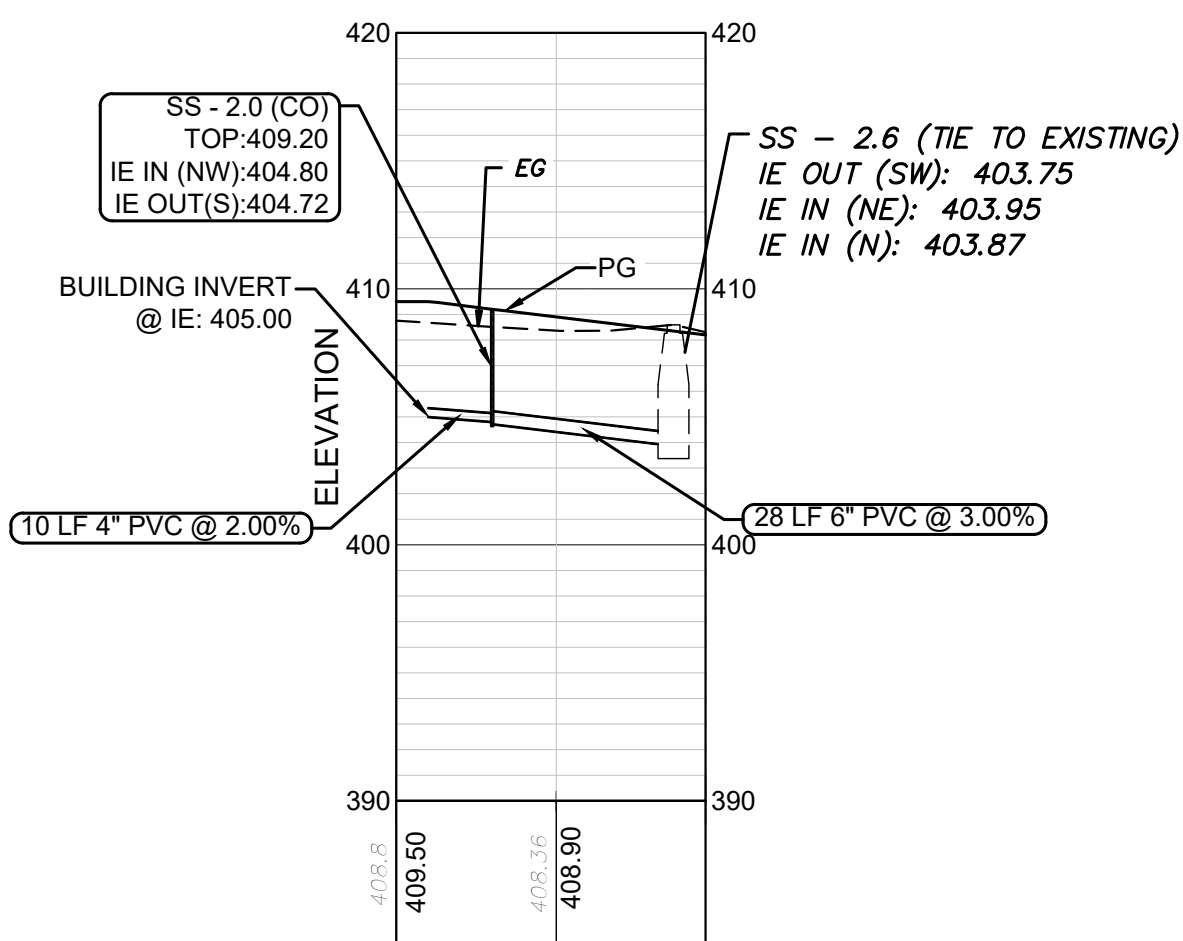
3+00
PROPOSED SANITARY SEWER (LOT 4) PROFILE
HORZ SCALE: 1" = 30'
VERT SCALE: 1" = 8'



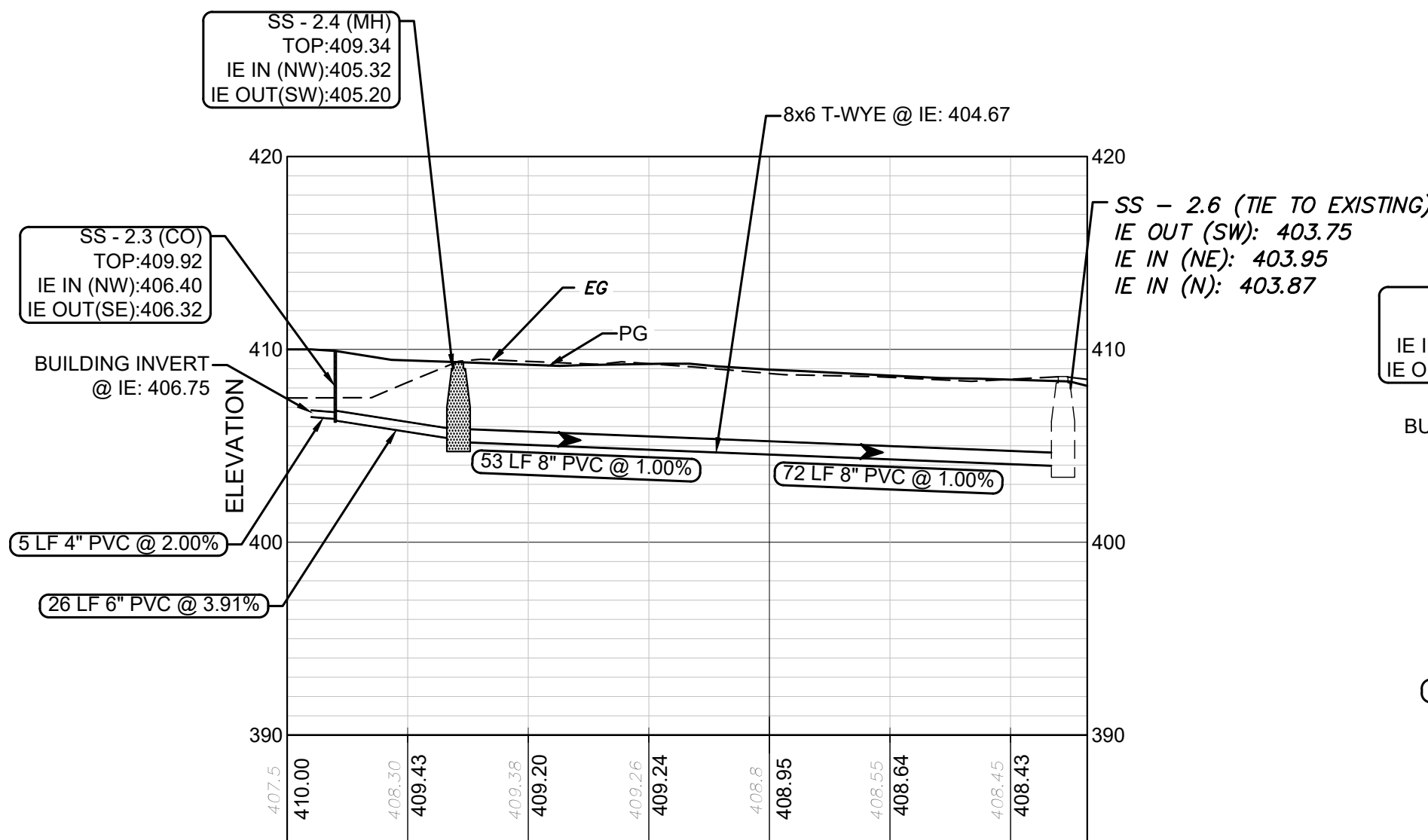
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PROPOSED STORM SEWER PROFILE
HORZ SCALE: 1" = 30'
VERT SCALE: 1" = 8'



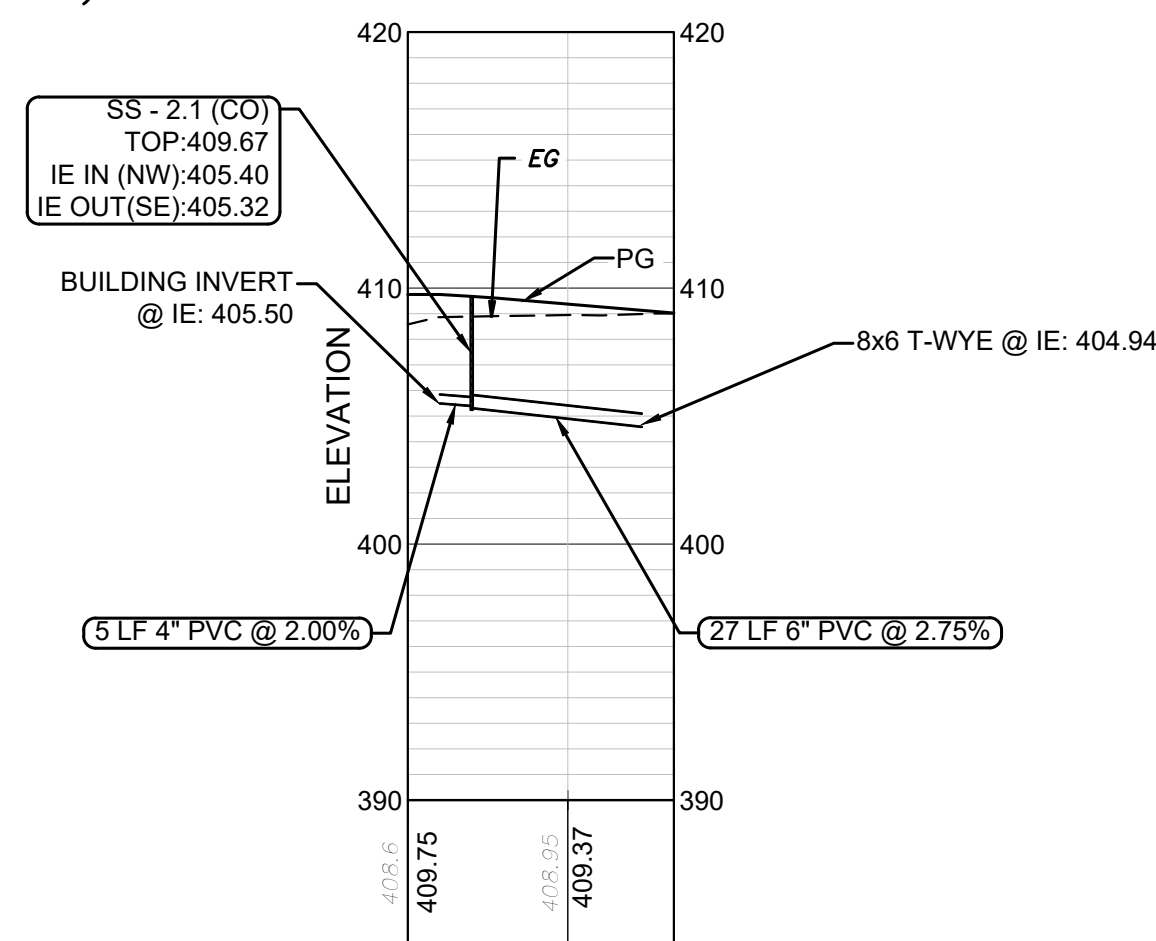
4+00
PROPOSED SANITARY SEWER (LOT 5 - EXISTING) PROFILE
HORZ SCALE: 1" = 30'
VERT SCALE: 1" = 8'



20+00
PROPOSED SANITARY SEWER (LOT 6) PROFILE
HORZ SCALE: 1" = 30'
VERT SCALE: 1" = 8'



10+00
PROPOSED SANITARY SEWER (LOT 8 - EXISTING) PROFILE
HORZ SCALE: 1" = 30'
VERT SCALE: 1" = 8'



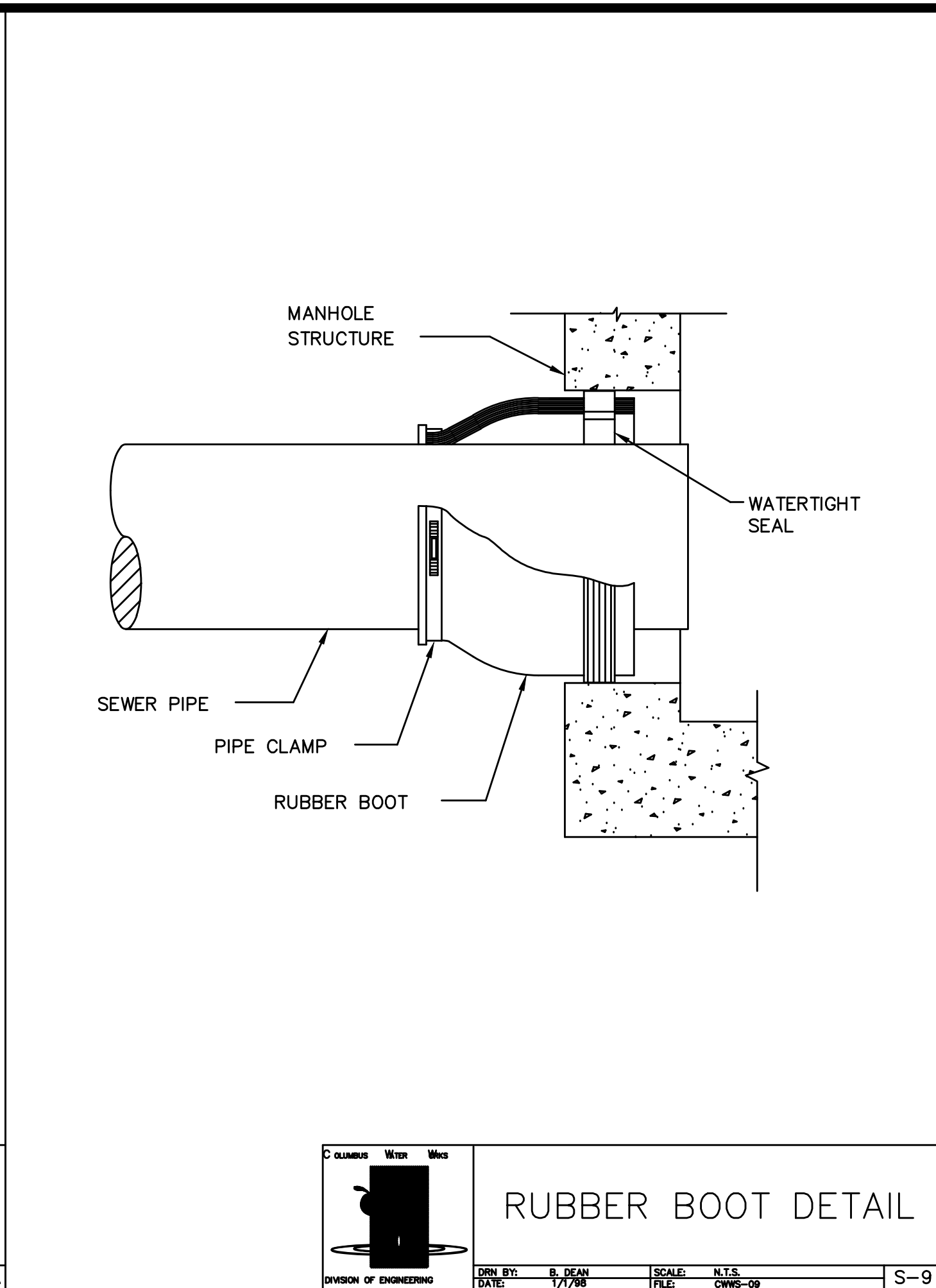
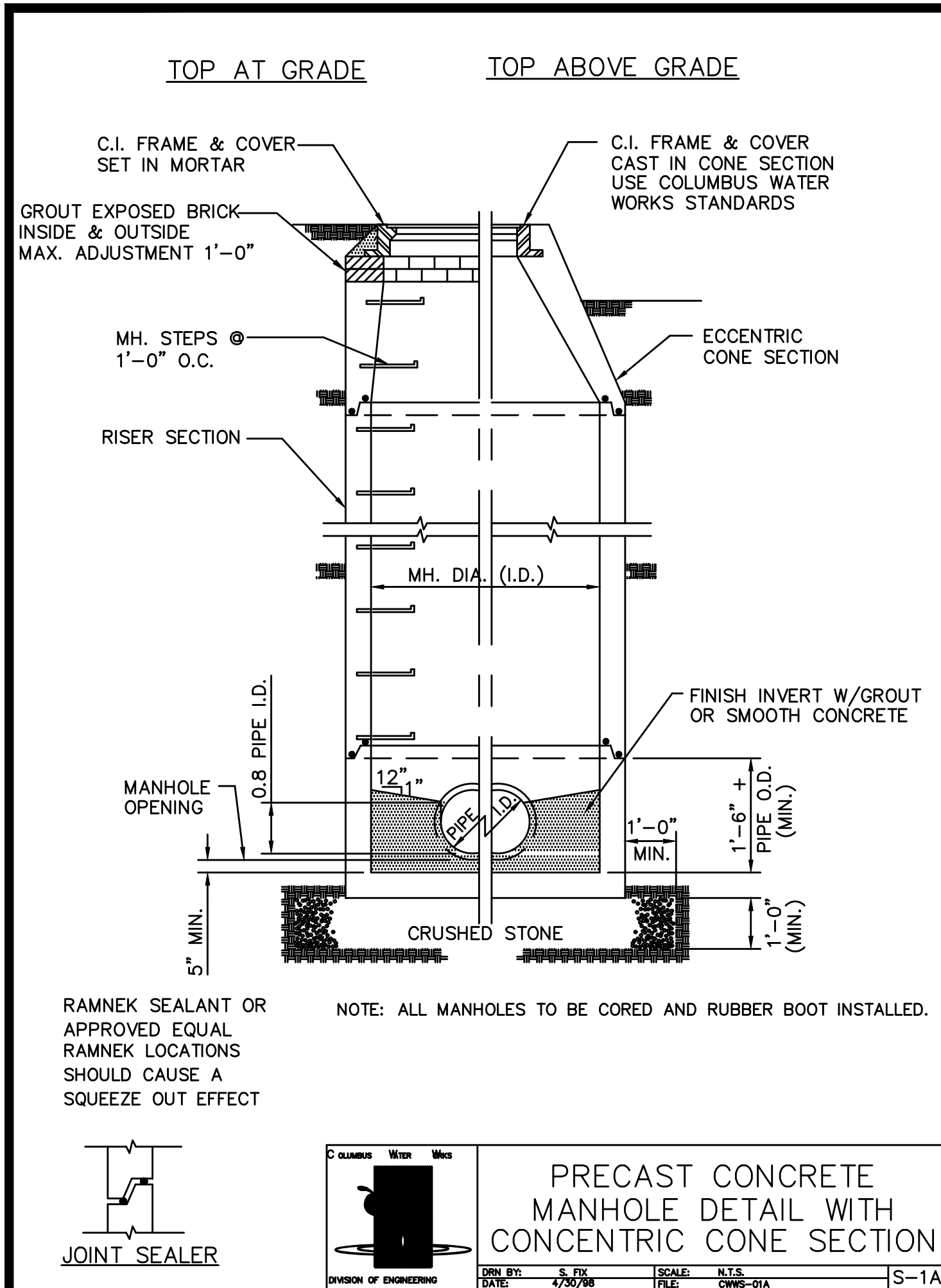
30+00
PROPOSED SANITARY SEWER (LOT 7) PROFILE
HORZ SCALE: 1" = 30'
VERT SCALE: 1" = 8'



Know what's below.
Call before you dig.

SPNR #: SITE-07-23-001342

PROFILES SHEET		REVISION DESCRIPTION		DATE
HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION LYING IN LAND LOT 54, 9TH LAND DISTRICT COLUMBUS, MUSCOGEE COUNTY, GEORGIA		NO.	1	10/2/2023
			2	10/25/2023
			3	10/31/2023
			4	11/09/2023
Prepared for: HABITAT FOR HUMANITY		1		10/2/2023
		2		10/25/2023
		3		10/31/2023
		4		11/09/2023
EMC ENGINEERING SERVICES, INC. 3575 Macon Rd., Suite 15 Columbus, GA 31907 P.O. Box 565683 Columbus, GA 31906 www.emc-eng.com		1		10/2/2023
		2		10/25/2023
		3		10/31/2023
		4		11/09/2023
PROJECT NO.: 23-7035 DRAWN BY: TGF DESIGNED BY: TGF SURVEYED BY: EMC SURVEY DATE: 6/5/2019 CHECKED BY: JDW SCALE: 1" = 30' DATE: 11/06/2023		1		10/2/2023
		2		10/25/2023
		3		10/31/2023
		4		11/09/2023
SHEET C7.0 OF 20		1		10/2/2023
		2		10/25/2023
		3		10/31/2023
		4		11/09/2023



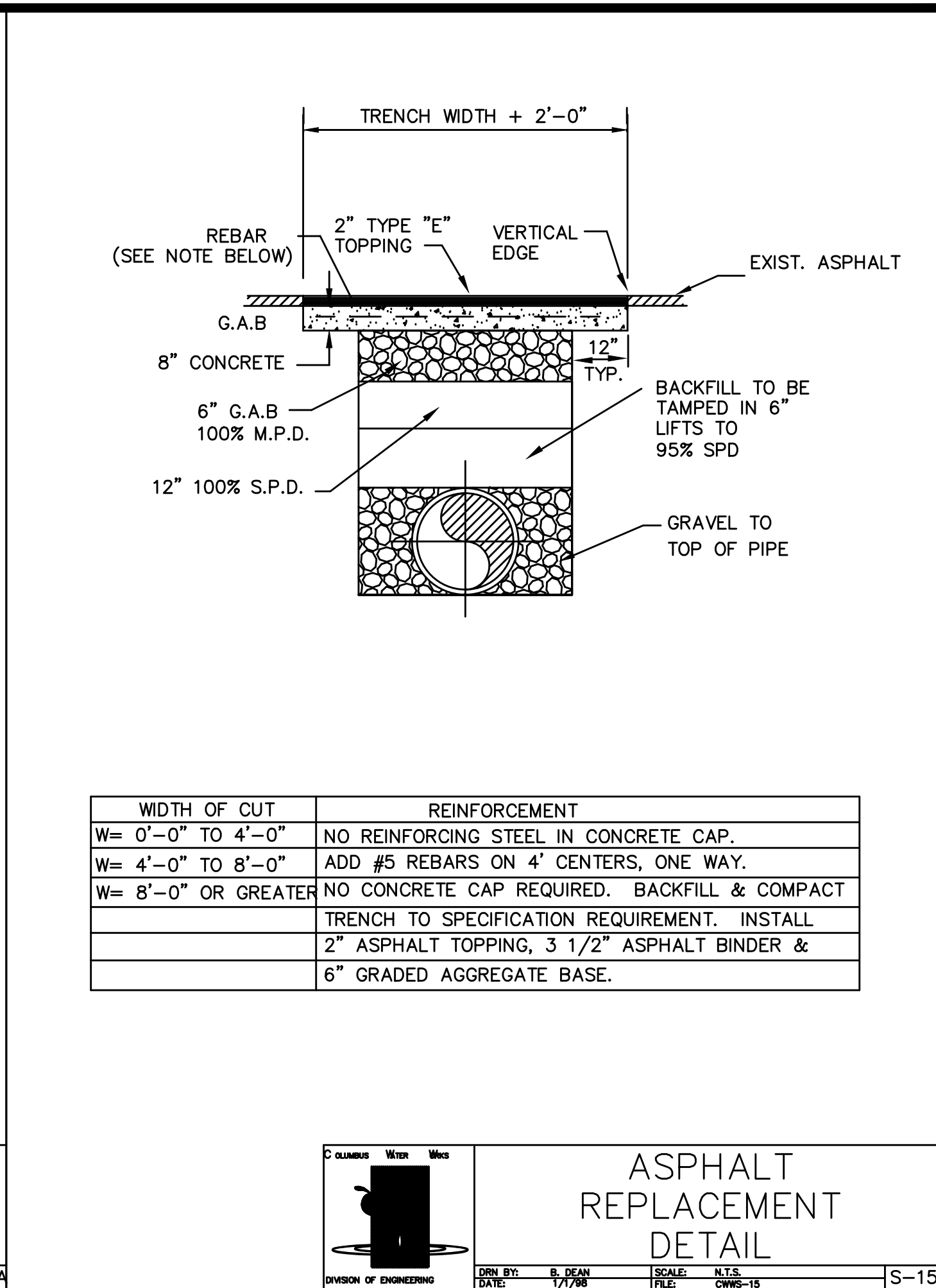
WIDTH OF CUT	REINFORCEMENT
W= 0'-0" TO 4'-0"	NO REINFORCING STEEL IN CONCRETE CAP.
W= 4'-0" TO 8'-0"	ADD #5 REBARS ON 4' CENTERS, ONE WAY.
W= 8'-0" OR GREATER	NO CONCRETE CAP REQUIRED. BACKFILL & COMPACT TRENCH TO SPECIFICATION REQUIREMENT. INSTALL
	2" ASPHALT TOPPING, 3 1/2" ASPHALT BINDER &
	6" GRADED AGGREGATE BASE.




NOTE: THIS IS FOR D.O.T. ROADS ONLY

DIVISION OF ENGINEERING

ASPHALT
REPLACEMENT
DETAIL
NEXT TO CURB & GUTTER

DATE: 2-20-78
SCALE: N.T.S.
FILE: CWS-15A



<div style="text-align: center;">  <p>EMC ENGINEERING SERVICES, INC.</p> <p>3575 Macon Rd., Suite 15 Columbus, GA 31907 Ph: (706) 565-5985 Fax: (706) 565-5983 columbus@emc-eng.com www.emc-eng.com</p> <p>CIVIL MARINE ENVIRONMENTAL</p> </div>	<div style="text-align: center;"> <p>CONSTRUCTION DETAILS</p> <p>HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION</p> <p>LYING IN LAND LOT 54, 9TH LAND DISTRICT</p> <p>COLUMBUS, MUSCOGEE COUNTY, GEORGIA</p> <p>Prepared for:</p> <p>HABITAT FOR HUMANITY</p> </div>		<div style="text-align: center;"> <p>ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA</p> </div>																									
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	<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISION DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ADDRESS FIRST SUBMITTAL COMMENTS</td> <td>10/5/2023</td> </tr> <tr> <td>2</td> <td>ADDRESS SECOND SUBMITTAL COMMENTS</td> <td>10/25/2023</td> </tr> <tr> <td>3</td> <td>ADDRESS THIRD SUBMITTAL COMMENTS</td> <td>10/31/2023</td> </tr> <tr> <td>4</td> <td>ADDRESS FOURTH SUBMITTAL COMMENTS</td> <td>11/06/2023</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	NO.		REVISION DESCRIPTION	DATE	1	ADDRESS FIRST SUBMITTAL COMMENTS	10/5/2023	2	ADDRESS SECOND SUBMITTAL COMMENTS	10/25/2023	3	ADDRESS THIRD SUBMITTAL COMMENTS	10/31/2023	4	ADDRESS FOURTH SUBMITTAL COMMENTS	11/06/2023	-	-	-	-	-	-	-	-	-		
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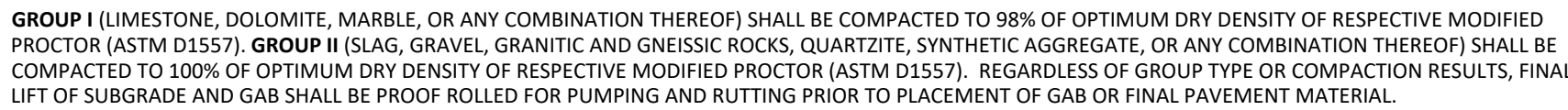
CHAINLINK FENCE DETAIL



HANDICAP RAMP DETAIL



TYPICAL CHANNEL DETAIL



GRADED AGGREGATE BASE SECTION

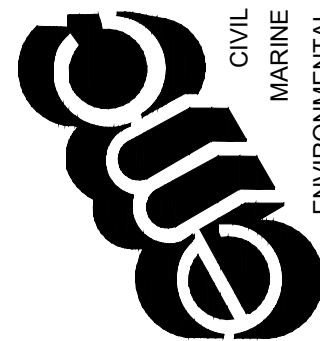


1. ALL CONSTRUCTION SHALL CONFORM TO THE GDOT SPECIFICATIONS.
2. ADA COMPLIANT HANDICAP RAMPS SHALL BE INSTALLED AT EACH INTERSECTION OR DESIGNATED CROSSWALK LOCATION AND MUST MEET OR EXCEED THE MOST CURRENT ADA STANDARDS AND THE GDOT SPECIFICATIONS AT THE TIME OF CONSTRUCTION.
3. CONTRACTOR TO INSTALL 1/2" WIDE AND 1/4" DEEP TOOLED JOINT EVERY 5 FEET OR AS SHOWN ON THE PLAN. CONTRACTOR IS TO INSTALL 1/2" PRE-MOLDED EXPANSION JOINT MATERIAL THAT IS TWIN FLUSH WITH CONCRETE TOP EVERY 30' FEET, BETWEEN CONCRETE POURS OR AS SHOWN ON THE PLANS.
4. ALL SIDEWALKS SHALL MEET ADA STANDARDS.
5. SIDEWALKS WITHIN R/W MUST BE A MINIMUM OF 5' WIDE, 5" THICK AND REINFORCED WITH FIBERMESH.

CONCRETE SIDEWALK DETAIL



EMC ENGINEERING
SERVICES, INC.



ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS
GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA

CONSTRUCTION DETAILS

HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION

LYING IN LAND LOT 54, 9TH LAND DISTRICT
COLUMBUS, MUSCOGEE COUNTY, GEORGIA

Prepared for:
HABITAT FOR HUMANITY

PROJECT NO.:	23-7035
DRAWN BY:	TGF
DESIGNED BY:	TGF
SURVEYED BY:	EMC
SURVEY DATE:	6/5/2019
CHECKED BY:	JDW
SCALE:	NTS
DATE:	11/06/2023

SHEET
C8.2

OF 20

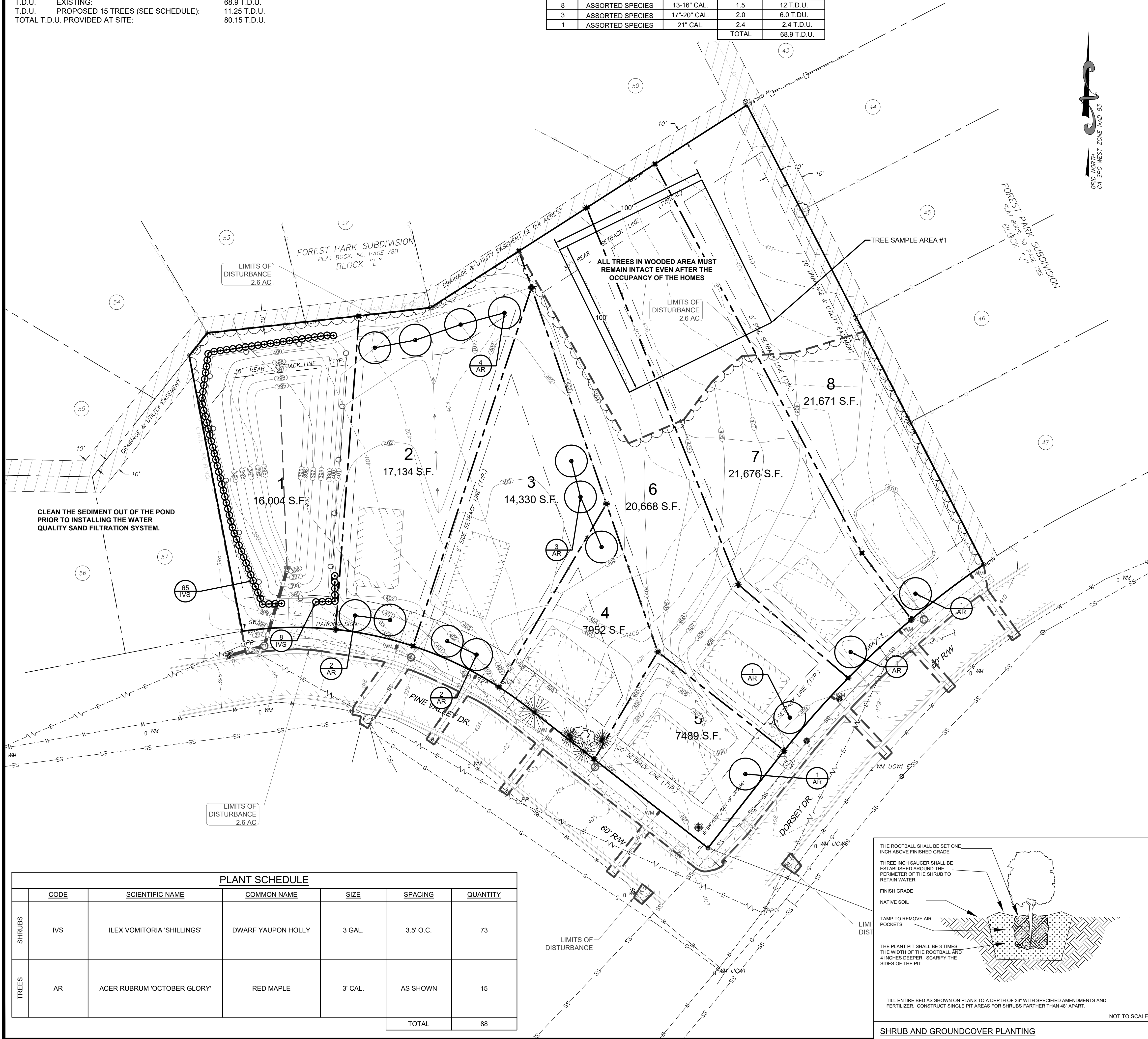
SPNR #: SITE-07-23-001342

T.D.U. REQUIRED:

TOTAL COMBINED LOTS:
SIZE: 2.9 AC
T.D.U. REQUIRED @ 10 T.D.U./AC (0.1 AC)(10 TDU): 29 T.D.U.
T.D.U. EXISTING: 68.9 T.D.U.
T.D.U. PROPOSED 15 TREES (SEE SCHEDULE): 11.25 T.D.U.
TOTAL T.D.U. PROVIDED AT SITE: 80.15 T.D.U.

EXISTING TREE VALUE TABLE IN TREE SAMPLE AREA 1

QTY.		SIZE	T.D.U.	TOTAL T.D.U.'S
35	ASSORTED SPECIES	4-8" CAL.	0.5	17.5 T.D.U.
31	ASSORTED SPECIES	9-12" CAL.	1.0	31.0 T.D.U.
8	ASSORTED SPECIES	13-16" CAL.	1.5	12 T.D.U.
3	ASSORTED SPECIES	17"-20" CAL.	2.0	6.0 T.D.U.
1	ASSORTED SPECIES	21" CAL.	2.4	2.4 T.D.U.
TOTAL				68.9 T.D.U.



EROSION, SEDIMENT, AND POLLUTION CONTROL PLANS

FOR

HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION

COLUMBUS, MUSCOGEE COUNTY, GEORGIA

Prepared for
HABITAT FOR HUMANITY

PROJECT INFORMATION & DATA

[CHECKLIST #9]
THE PROJECT IS LOCATED IN HARRIS COLUMBUS, GA LYING IN LAND LOT 54, 9TH LAND DISTRICT.
CONSTRUCTION WILL CONSIST OF CLEARING & GRADING THE EXISTING LOT, BUILDING A 7 NEW HOMES,
AND RUNNING UTILITIES TO THE NEW STRUCTURES.

TOTAL SITE AREA: 2.9 ACRES
TOTAL DISTURBED AREA: 2.6 ACRES [CHECKLIST #48]
VOLUME EARTHWORK: 965 Cu. Yd FILL.
TOTAL CUT VOLUME: 1,854 Cu. Yd.
TOTAL FILL VOLUME: 2,819 Cu Yd.
EARTHWORK QUANTITIES SHOWN ARE FOR PURPOSES OF PERMITTING ONLY AND SHOULD NOT BE USED
FOR CONSTRUCTION. THE CONTRACTORS IS RESPONSIBLE FOR DETERMINING EXACT EARTHWORK
QUANTITIES

PRIMARY PERMITEE: HABITAT FOR HUMANITY
3520 RIVER ROAD
COLUMBUS, GA 3194
PHONE: (706) 653-6003

- EXISTING CONDITIONS: EXISTING UNDEVELOPED LOT, PARTIALLY WOODED.
- PREDOMINANT SOIL TYPE: DOTHAN - URBAN LAND COMPLEX, 2 TO 5 PERCENT SLOPES.
- STORMWATER MANAGEMENT CONSIDERATIONS: EXISTING CONDITIONS SHEET FLOW ACROSS THE SITE
FROM NORTHEAST TO SOUTHWEST.
- EXISTING CONTOURS OBTAINED BY: EMC ENGINEERING SERVICES, INC ON 6/5/2019 THERE MAY BE
EASEMENTS, SETBACK LINES, OR OTHER MATTERS AFFECTING THIS PROPERTY THAT ARE NOT SHOWN ON
THIS DRAWING.
- DISPOSAL OF DEBRIS: ALL DEBRIS WILL BE HAULED OFFSITE TO A STATE APPROVED LANDFILL.
- INSTALLATION STATEMENT: THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL
OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
- ACCORDING TO FEMA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 1351580049F & 1351580050F,
DATED 9/5/2007, SHOW THIS PROPERTY IS NOT LOCATED IN A DESIGNATED FLOOD HAZARD AREA.
- MS4 FACILITY NAME: COLUMBUS CONSOLIDATED GOVERNMENT.

[CHECKLIST #11]
IDENTIFY THE PROJECT RECEIVING WATERS AND DESCRIBE ALL ADJACENT AREAS INCLUDING STREAMS, LAKES,
RESIDENTIAL AREAS, WETLANDS, ETC. WHICH MAY BE AFFECTED: THE RUN-OFF FROM THE SITE WILL SHEET
FLOW INTO AN UNNAMED TRIBUTARY OF MILL BRANCH.

* ALL STATE WATERS MUST BE IDENTIFIED WITH A SIGN.
SEDIMENT BASIN: N/A

SEE SHEET # N/A

EMD APPROVAL REVIEW: _____ REVIEWER CERTIFICATION # _____

CHECKLIST #3:
LIMITS OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES FOR EACH INDIVIDUAL PERMITEE (I.E. PRIMARY,
SECONDARY OR TERTIARY) AT ANY ONE TIME AND NO MORE THAN 50 CONTIGUOUS ACRES AT ONE TIME WITHOUT
PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE. IF EPD APPROVES THE REQUEST TO DISTURB
50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST 4 OF THE BMPs LISTED IN APPENDIX 1
OF THIS CHECKLIST. A COPY OF THE WRITTEN APPROVAL BY EPD MUST BE ATTACHED TO THE PLAN FOR THE PLAN
TO BE REVIEWED.

APPLICABLE: _____ NOT APPLICABLE: _____ X

CHECKLIST #7:
GPS LOCATION CONSTRUCTION EXIT: +32.476418, -84.874117

CHECKLIST #17:
AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC
COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

NO GRADING OPERATIONS SHALL COMMENCE UNTIL ALL PERIMETER AND SEDIMENT STORAGE BMPs HAVE BEEN
PROPERLY INSTALLED AND INSPECTED.



VICINITY MAP
NOT TO SCALE

DESIGN PROFESSIONAL'S CERTIFICATIONS:

"I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES
FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY
THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT
CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION
COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED,
PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER
OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS
IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE
LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

[Signature]

DESIGN PROFESSIONAL'S 7-DAY VISIT CERTIFICATION:

THE PRIMARY PERMITEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION,
SEDIMENTATION AND POLLUTION CONTROL PLAN, OR AN ALTERNATIVE DESIGN PROFESSIONAL APPROVED
BY EPD IN WRITING, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS
AND PERIMETER CONTROL BMPs WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS
AFTER INSTALLATION.

DATE OF INSPECTION: _____

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION # EXP. DATE

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLANS.

THESE DEFICIENCIES MUST BE ADDRESSED IMMEDIATELY AND RE-INSPECTION SCHEDULED. WORK SHALL
NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

[CHECKLIST #10] THE PRIMARY PERMITEE MUST RETAIN THE DESIGN PROFESSIONAL
WHO PREPARED THE PLAN TO CONDUCT INSPECTIONS DURING THE INTERMEDIATE
GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE.

Sheet List Table

Sheet Number	Sheet Title
EC1.0	EROSION & SEDIMENTATION CONTROL PLAN COVER
EC2.0	INITIAL EROSION & SEDIMENTATION CONTROL PLAN
EC3.0	INTERMEDIATE EROSION & SEDIMENTATION CONTROL PLAN
EC4.0	FINAL EROSION & SEDIMENTATION CONTROL PLAN
EC5.0	HYDROLOGY PLAN
EC6.0	EROSION & SEDIMENTATION CONTROL NOTES
EC7.0	EROSION & SEDIMENTATION CONTROL NOTES
EC8.0	EROSION & SEDIMENTATION CONTROL DETAILS

NO GRADING OPERATIONS ARE TO COMMENCE UNTIL
ALL PERIMETER AND SEDIMENT STORAGE BMPs HAVE
BEEN PROPERLY INSTALLED AND INSPECTED.

TENTATIVE ACTIVITY SCHEDULE

DESCRIPTION	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6
INSTALL AND MAINTAIN CONSTRUCTION OUTLET						
INSTALL AND MAINTAIN SEDIMENT BARRIERS						
CLEARING AND GRUBBING						
INTERMEDIATE BMP INSTALLATION						
ROUGH GRADING AND UTILITY INSTALLATION						
BUILDING CONSTRUCTION						
FINAL GRADING, CONSTRUCTION, AND LANDSCAPING						
REMOVAL OF SEDIMENT BARRIERS						

UTILITY LOCATION DISCLAIMER

THE UTILITIES ARE SHOWN AS PER THE LOCATION OF POLES, MANHOLES, VALVES,
PEDESTALS, ETC., EXISTING DRAWINGS AND INFORMATION PROVIDED BY UTILITY
PERSONNEL. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN
COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE
THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE
LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

[CHECKLIST #4]

24 HOUR CONTACT:
LOUISE HURLESS
(706) 653-6003
LOUISE@COLUMBUSAREAHABITAT.COM

[CHECKLIST #2] LEVEL II CERTIFICATION

GSWCC GEORGIA SOIL AND WATER
CONSERVATION
COMMISSION

Joel D Womack
Level II Certified Design Professional

CERTIFICATION NUMBER 0000061976

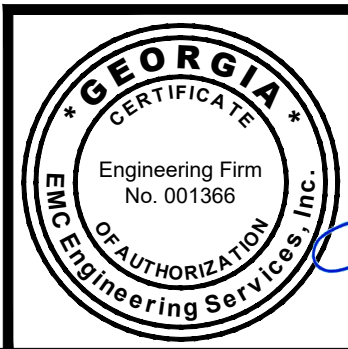
ISSUED 04/18/2023 EXPIRES 04/18/2026



PROJECT LOCATION:
LYING IN LAND LOT 54, 9TH LAND DISTRICT
COLUMBUS, MUSCOGEE COUNTY, GEORGIA
EMC PROJECT# 23-7035
NOVEMBER 2023

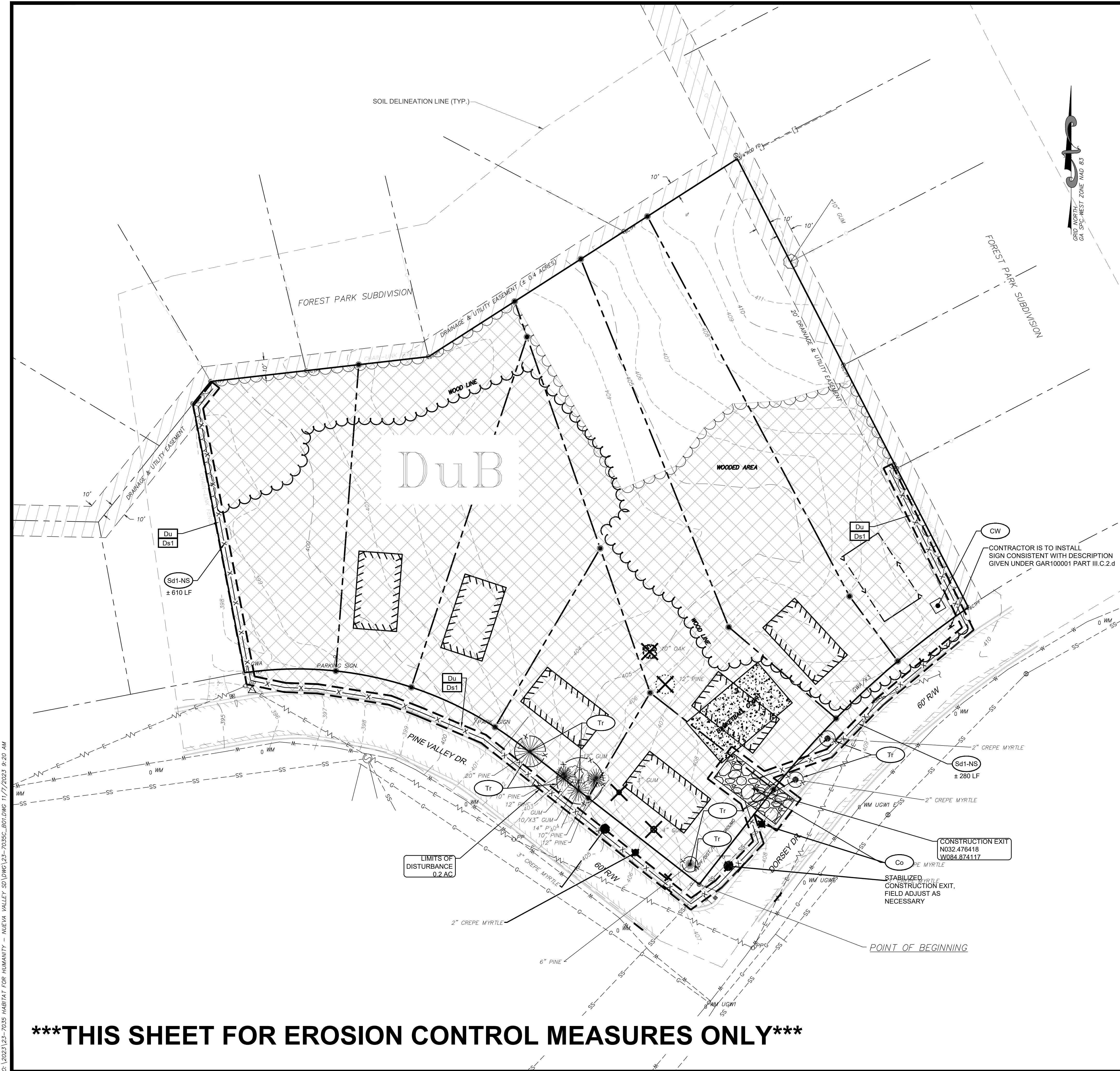
EMC ENGINEERING SERVICES, INC.
ENVIRONMENTAL- MARINE - CIVIL - SURVEY

REVISION	DESCRIPTION	DATE
1	ADDRESS FIRST SUBMITTAL COMMENTS	10/9/2023
2	ADDRESS SECOND SUBMITTAL COMMENTS	10/25/2023
3	ADDRESS THIRD SUBMITTAL COMMENTS	10/31/2023
4	ADDRESS FORTH SUBMITTAL COMMENTS	11/06/2023
-	-	-
-	-	-
-	-	-



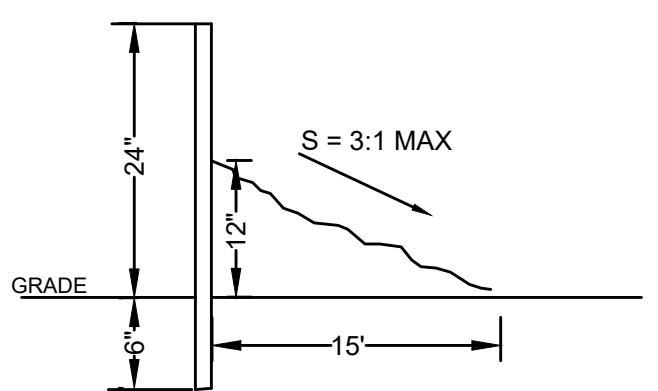
EMC ENGINEERING SERVICES, INC.
3575 MACON ROAD, SUITE 15
COLUMBUS, GEORGIA 31907
PHONE: (706) 565-5985
FAX: (706) 565-5983
columbus@emc-eng.com
www.emc-eng.com

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SAVANNAH • STATESBORO • THOMASTON • VALDOSTA



THIS SHEET FOR EROSION CONTROL MEASURES ONLY

- INITIAL PHASE NARRATIVE:**
- CONTRACTOR SHALL INSTALL CONSTRUCTION SITE ENTRANCE / EXIT (Co).
 - CONTRACTOR SHALL INSTALL ALL INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S (Sd1-NS).
 - CONTRACTOR SHALL UTILIZE DUST CONTROL AND OTHER EROSION & SEDIMENT CONTROL MEASURES AS NEEDED.
 - CONTRACTOR SHALL ENSURE THAT SEDIMENT LADEN RUNOFF DOES NOT UNDERMINE SEDIMENT BARRIERS. THE CONTRACTOR IS REQUIRED TO CHECK SEDIMENT BARRIERS DURING STORM EVENTS AND MAKE REPAIRS AS NEEDED.
4. [CHECKLIST #6 & 47] THE DISTURBED AREA FOR THE INITIAL PHASE IS ±0.2 ACRES.



SEDIMENT STORAGE CALCULATIONS [CHECKLIST #49]:

REQUIRED SEDIMENT STORAGE (INITIAL)= 67 CY/ DISTURBED ACRE x 0.2 ACRES
REQUIRED SEDIMENT STORAGE (INITIAL)= 14 CY

PROVIDED SILT FENCE TYPE-NS = 0.5 x 890' LONG x 1' HIGH x 15' WIDTH
PROVIDED SILT FENCE TYPE-NS = 247 CY

TOTAL PROVIDED SEDIMENT STORAGE = 247 CY

THE REQUIRED SEDIMENT STORAGE FOR THIS SITE IS 14 CY. THE SEDIMENT WILL BE TRAPPED USING 890 LF OF TYPE-NS SILT FENCE. THE STORAGE AVAILABLE FOR THIS SITE IS 247 CY. THEREFORE THE AVAILABLE STORAGE > REQUIRED STORAGE.

- GENERAL NOTES:**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL CONSTRUCTION DEBRIS.
 - THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ELEVATIONS PRIOR TO BEGINNING NEW WORK. AN UPDATED TOPOGRAPHIC MAP, INCLUDING UTILITIES AND TREES SHALL BE DONE
 - CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES & SHALL MAINTAIN SAFE PASSAGEWAY FOR WORKERS & NON-WORKERS AS REQUIRED ADJACENT TO THE PROJECT SITE.

*******NOTE:**

[CHECKLIST #15] 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.

[CHECKLIST #17] AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

[CHECKLIST #18] WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

[CHECKLIST #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.

[CHECKLIST #20] EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

[CHECKLIST #21] ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

[CHECKLIST #F] CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.d. OF THE NPDES PERMITS.

[CHECKLIST #U] THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN TO CONDUCT INSPECTIONS DURING THE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE.

- HATCH LEGEND:**
- EXISTING CONCRETE
 - EXISTING ASPHALT
 - EXISTING EASEMENT
 - EXISTING CHAINLINK FENCE

[CHECKLIST #4]

24 HOUR CONTACT:
LOUISE HURLESS
(706) 653-6003
LOUISE@COLUMBUSAREAHABITAT.COM

[CHECKLIST #2] LEVEL II CERTIFICATION

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Joel D Womack
Level II Certified Design Professional

CERTIFICATION NUMBER 0000061976
ISSUED 04/18/2023 EXPIRES 04/18/2026



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SPNR #: SITE-07-23-001342

NO.	REVISION DESCRIPTION	DATE
1	ADDRESS FIRST SUBMITTAL COMMENTS	10/2/2023
2	ADDRESS SECOND SUBMITTAL COMMENTS	10/25/2023
3	ADDRESS THIRD SUBMITTAL COMMENTS	10/31/2023
4	ADDRESS FORTH SUBMITTAL COMMENTS	11/06/2023

EMC ENGINEERING SERVICES, INC.
3575 Macon Rd., Suite 15
Columbus, GA 31907
P: (706) 565-5883
columbus@emc-eng.com
www.emc-eng.com

CIVIL MARINE ENVIRONMENTAL

INITIAL EROSION & SEDIMENTATION CONTROL PLAN

HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION
LYING IN LAND LOT 54, 9TH LAND DISTRICT
COLUMBUS, MUSCOGEE COUNTY, GEORGIA

Prepared for:
HABITAT FOR HUMANITY

PROJECT NO.: 23-7035
DRAWN BY: TGF
DESIGNED BY: TGF
SURVEYED BY: EMC
SURVEY DATE: 6/5/2019
CHECKED BY: JDW
SCALE: 1" = 30'
DATE: 11/06/2023

SHEET
EC2.0
OF 20

01/2023/23-7035 HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION - NUEVA VALLEY SUBDIVISION - NUEVA VALLEY SUBDIVISION 11/17/2023 9:20 AM

TO BE SHOWN ON THE EROSION, SEDIMENT AND POLLUTION CONTROL PLAN

When a FLOATING SURFACE SKIMMER is used, show the following information along with each sediment pond, trap or basin being used on the site:

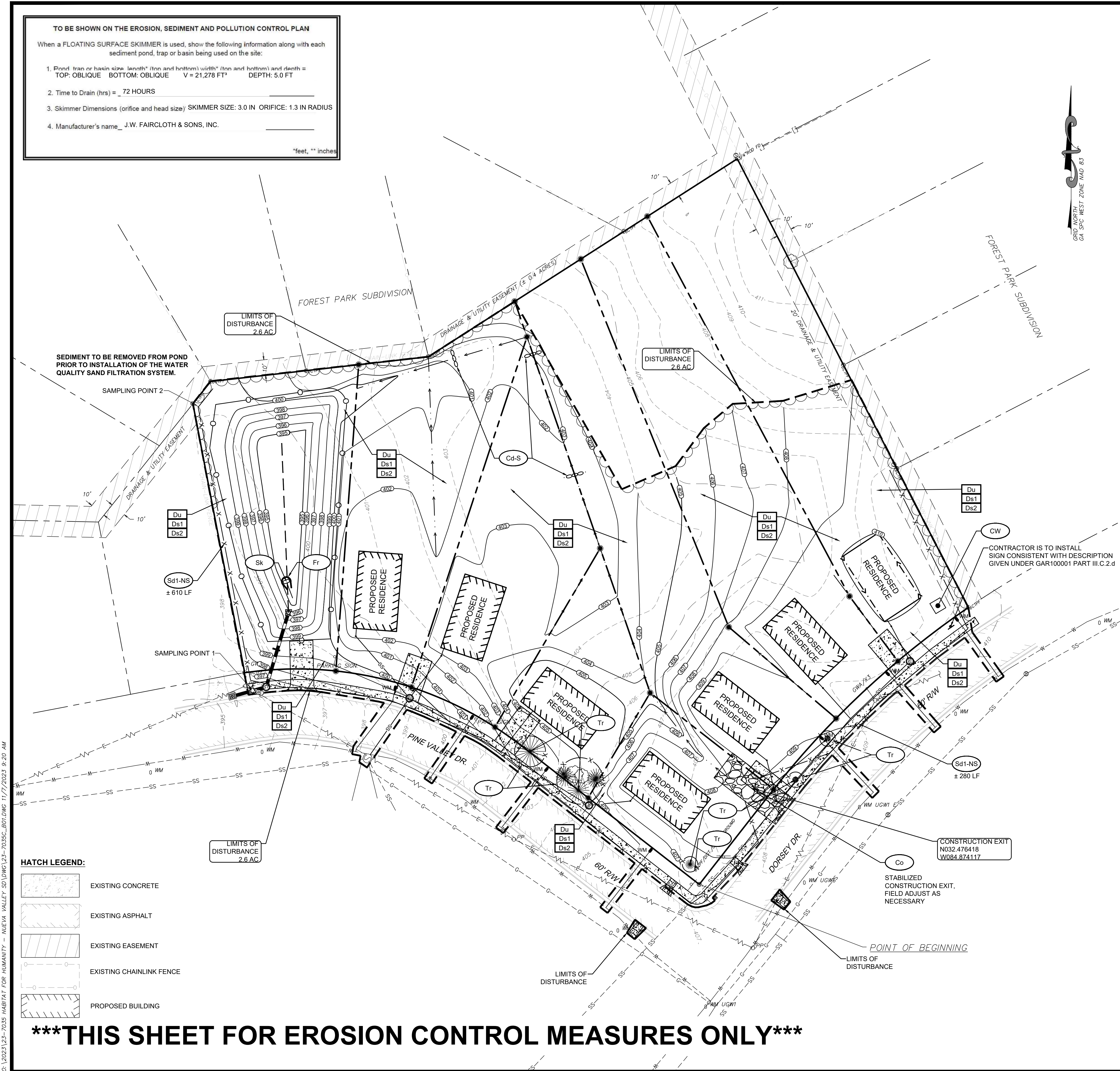
1. Pond, trap or basin size: length* (from and bottom) width* (from and bottom) and depth = TOP: OBLIQUE BOTTOM: OBLIQUE V = 21,278 FT³ DEPTH: 5.0 FT

2. Time to Drain (hrs) = 72 HOURS

3. Skimmer Dimensions (orifice and head size) SKIMMER SIZE: 3.0 IN ORIFICE: 1.3 IN RADIUS

4. Manufacturer's name: J.W. FAIRCLOTH & SONS, INC.

*feet, ** inches



HATCH LEGEND:

EXISTING CONCRETE

EXISTING ASPHALT

THIS SHEET FOR EROSION CONTROL MEASURES ONLY

- INTERMEDIATE PHASE:
1. CONTRACTOR SHALL UTILIZE FLOCCULANTS, COAGULANTS, AND/OR MULCH (Ds1) ON ALL EXPOSED DISTURBED AREAS WITHIN 7 DAYS OF DISTURBANCE.

2. CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION CONTROL DEVICES.

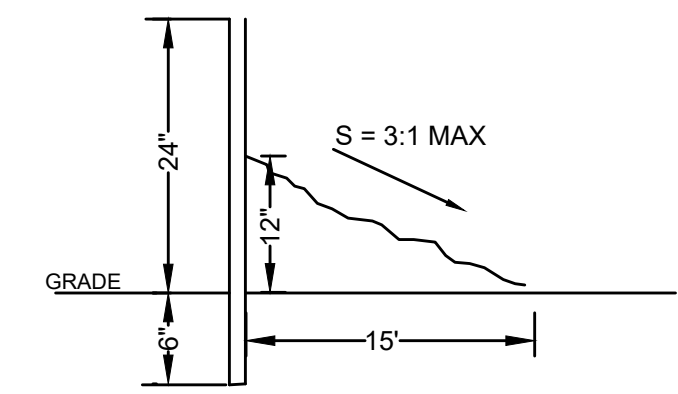
3. CONTRACTOR SHALL UTILIZE DUST CONTROL AND OTHER EROSION CONTROL MEASURES AS NEEDED.

4. CONTRACTOR SHALL ENSURE THAT SEDIMENT LADEN RUNOFF DOES NOT UNDERMINE SEDIMENT BARRIERS. THE CONTRACTOR IS REQUIRED TO CHECK SEDIMENT BARRIERS DURING STORM EVENTS AND MAKE REPAIRS AS NEEDED.

5. CONTRACTOR SHALL INSTALL DRAINAGE POND PRIOR TO ANY OTHER GRADING/DISTURBANCE.

6. [CHECKLIST #6 & 47] THE DISTURBED AREA FOR THE INTERMEDIATE PHASE IS ±2.6 ACRES.

7. A TEMPORARY SEDIMENT BASIN WAS NOT NECESSARY DUE TO THE DETENTION POND SERVING AS EFFECTIVE STORAGE FOR ANY SEDIMENT ON THE SITE AS WELL AS THE SILT FENCE.



SEDIMENT STORAGE CALCULATIONS [CHECKLIST #49]:

REQUIRED SEDIMENT STORAGE (INITIAL)= 67 CY/ DISTURBED ACRE x 2.6 ACRES
REQUIRED SEDIMENT STORAGE (INITIAL)= 174 CY

PROVIDED SILT FENCE TYPE-NS = 0.5 x 890' LONG x 1' HIGH x 15' WIDTH
PROVIDED SILT FENCE TYPE-NS = 247 CY

THE PROPOSED STORMWATER DETENTION POND WILL PROVIDE AN ADDITIONAL 141 CY OF SEDIMENT STORAGE

TOTAL PROVIDED SEDIMENT STORAGE = 388 CY

THE REQUIRED SEDIMENT STORAGE FOR THIS SITE IS 174 CY. THE SEDIMENT WILL BE TRAPPED USING 890 LF OF TYPE-NS SILT FENCE. THE STORAGE AVAILABLE FOR THIS SITE IS 388 CY. THEREFORE THE AVAILABLE STORAGE > REQUIRED STORAGE.

- GENERAL NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL CONSTRUCTION DEBRIS.

2. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ELEVATIONS PRIOR TO BEGINNING NEW WORK, AN UPDATED TOPOGRAPHIC MAP, INCLUDING UTILITIES AND TREES SHALL BE DONE

3. CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES & SHALL MAINTAIN SAFE PASSAGEWAY FOR WORKERS & NON-WORKERS AS REQUIRED ADJACENT TO THE PROJECT SITE.

*****NOTE:

[CHECKLIST #15] 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.

[CHECKLIST #17] AMENDMENTS/REVISIONS TO THE ES&P PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

[CHECKLIST #18] WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

[CHECKLIST #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.

[CHECKLIST #20] EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

[CHECKLIST #21] ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

[CHECKLIST #F] CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.d. OF THE NPDES PERMITS.

[CHECKLIST #U] THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN TO CONDUCT INSPECTIONS DURING THE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE.

[CHECKLIST #4]

24 HOUR CONTACT:
LOUISE HURLESS
(706) 653-6003
LOUISE@COLUMBUSAREAHABITAT.COM

[CHECKLIST #2] LEVEL II CERTIFICATION

GSWCC

GEORGIA SOIL AND WATER
CONSERVATION
COMMISSION

Joel D Womack

Level II Certified Design Professional

CERTIFICATION NUMBER 0000061976

ISSUED 04/18/2023 EXPIRES 04/18/2026

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NO.

1

DATE

10/2/2023

REVISION DESCRIPTION

ADDRESS SECOND SUBMITTAL COMMENTS

NO.

2

DATE

10/12/2023

REVISION DESCRIPTION

ADDRESS THIRD SUBMITTAL COMMENTS

NO.

3

DATE

11/06/2023

REVISION DESCRIPTION

ADDRESS FOURTH SUBMITTAL COMMENTS

NO.

4

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INTERMEDIATE EROSION & SEDIMENTATION CONTROL PLAN

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LYING IN LAND LOT 54, 9TH LAND DISTRICT
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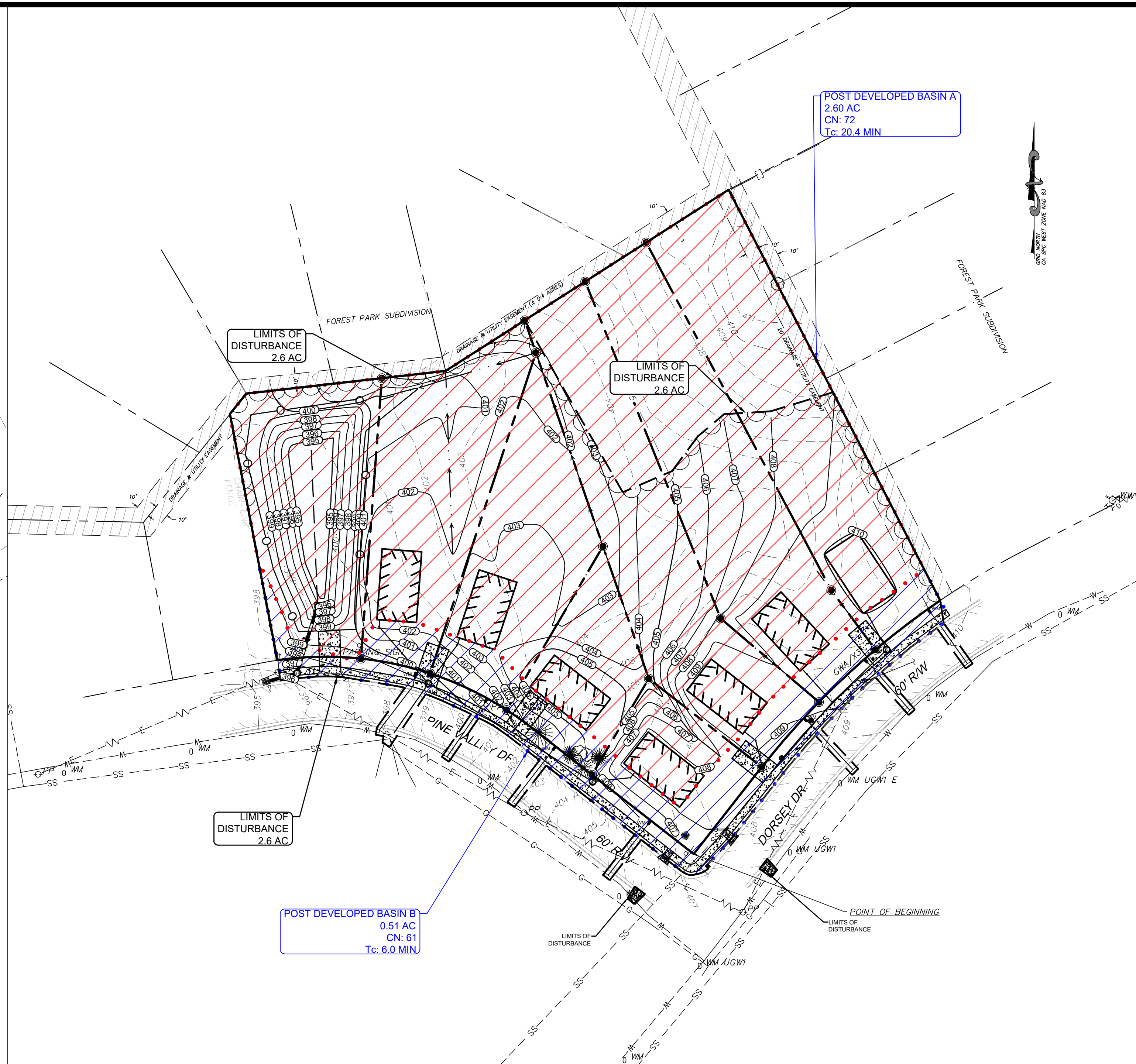
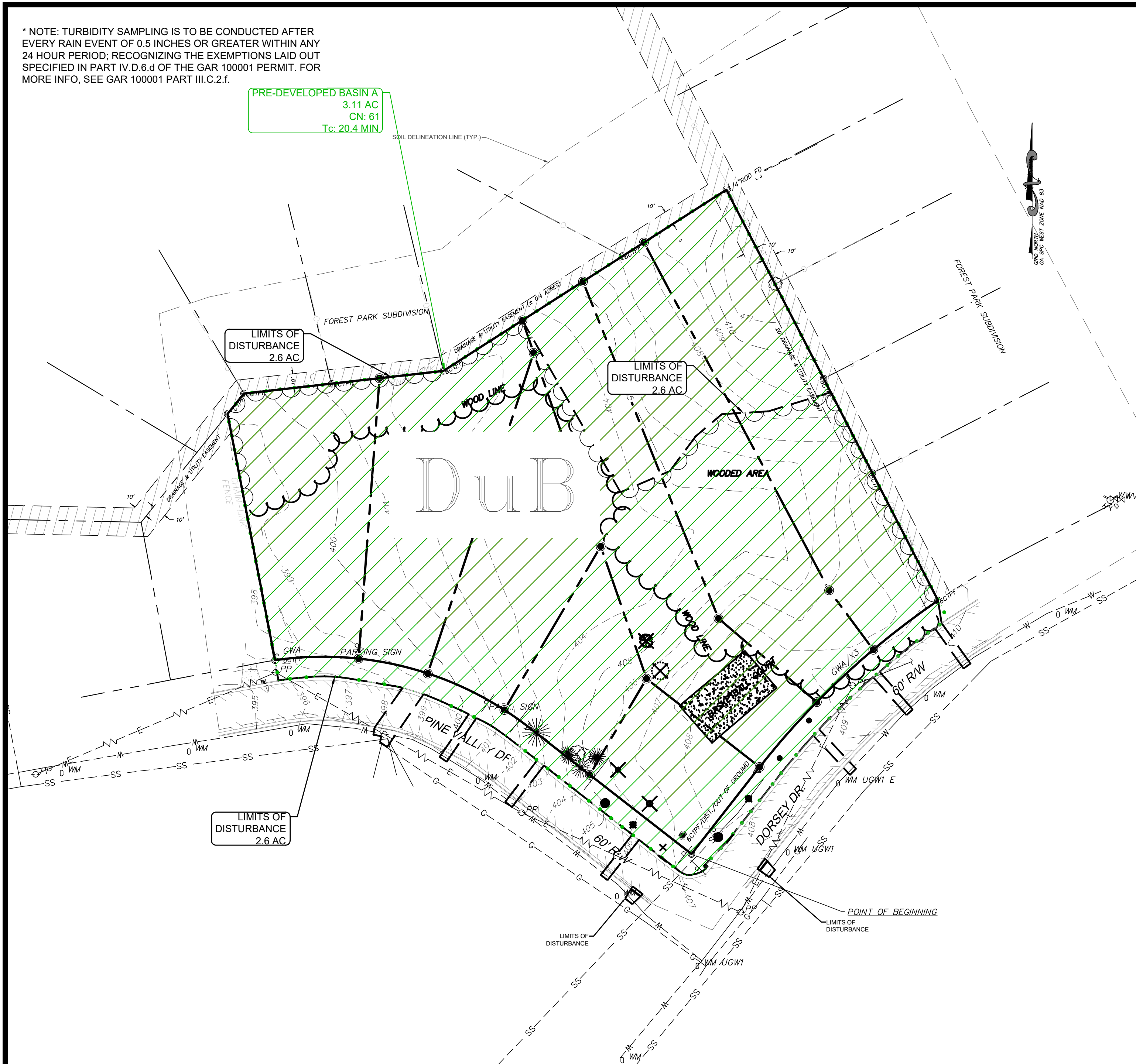
SCALE: 1" = 30'

DATE: 11/06/2023

SHEET
EC3.0
OF
20

PRE-DEVELOPED BASIN A
3.11 AC
CN: 61
Tc: 20.4 MIN

POST DEVELOPED BASIN AREA
2.60 AC
CN: 72
Tc: 20.4 MIN



GSWCC
GEORGIA SOIL AND WATER
CONSERVATION
COMMISSION

Joel D Womack

Level II Certified Design Professional

CERTIFICATION NUMBER 0000061976

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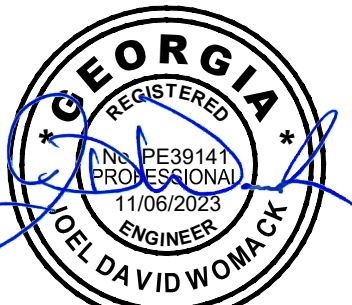
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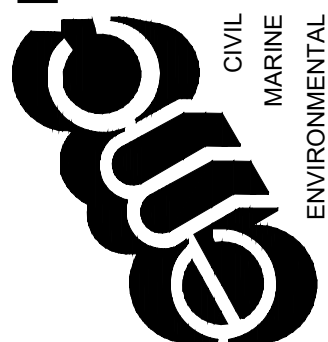
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-	-	-
-	-	-



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HYDROLOGY PLAN

HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION
LYING IN LAND LOT 54, 9TH LAND DISTRICT
COLUMBUS, MUSCOGEE COUNTY, GEORGIA

Prepared for:
HABITAT FOR HUMANITY

PROJECT NO.:	23-7035
DRAWN BY:	TGF
DESIGNED BY:	TGF
SURVEYED BY:	EMC
SURVEY DATE:	6/5/2019
CHECKED BY:	JDW
SCALE:	1" = 50'
DATE:	11/06/2023

SHEET
EC5.0
OF 20

SITE DESCRIPTION:
THE PROPERTY INTENDED FOR DEVELOPMENT ARE LOCATED LYING IN LAND LOT 54, 9TH LAND DISTRICT COLUMBUS, MUSCOGEE COUNTY, GEORGIA. THE DEVELOPER'S INTENT IS TO CONSTRUCT 7 NEW HOMES ALONG WITH THE NECESSARY INFRASTRUCTURE AND UTILITIES REQUIRED.

TOPOGRAPHY IN THE AREA OF INVESTIGATION CAN BE CONSIDERED "ROLLING" AS THE AREA SLOPES FROM NORTHEAST TO SOUTHWEST AT SLOPES ~2-10%.

THE PREDOMINANT SOILS WITHIN THE AREA OF INTEREST ARE DOTHAN - URBAN LAND COMPLEX AS PER THE USDA SOIL CONSERVATION SERVICE SOIL SURVEY OF MUSCOGEE COUNTY GEORGIA.

EMC REVIEWED THE U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLAND INVENTORY (NWI) MAP, WHICH DOCUMENTED NO REGULATED WETLANDS ON THE SUBJECT PROPERTY OR ADJOINING PROPERTIES.

THERE ARE NO WATERS OF THE STATE PRESENT WITHIN 200 FEET OF THE DISTURBED AREA.

THERE ARE IMPAIRED STREAM SEGMENTS WITHIN ONE MILE OF THE PROJECT SITE.

THE INITIAL RECEIVING WATER FOR STORMWATER RUNOFF FROM THE SITE IS AN UNNAMED TRIBUTARY OF MILL BRANCH, A WARM WATER FISHERY.

THE PROPERTY SHOWN HEREON IS LOCATED ON MAP NO. 1351580049F & 1351580050F OF THE FEMA FLOOD INSURANCE RATE MAP COVERING CITY OF COLUMBUS - MUSCOGEE COUNTY, EFFECTIVE DATE: 9/5/2007, AND SHOWS THIS PROPERTY IS NOT LOCATED IN A DESIGNATED FLOOD HAZARD AREA.

ESTIMATED CONSTRUCTION TIMELINE: 6 MONTHS
TOTAL OVERALL PROJECT AREA = 2.9 ACRES.
TOTAL DISTURBED AREA = 2.6 ACRES.

TWENTY-FOUR HOUR CONTACT RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL:
LOUISE HURLLESS
(706) 653-6003

SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

2. THE INSTALLATION OF EROSION CONTROL AND SEDIMENT CONTROL MEASURES AND PRACTICES SHALL RUN PRIOR TO LAND-DISTURBING ACTIVITIES

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

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

5. ANY AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

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

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

8. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION.

9. PLASTIC SHEETING OR TEMPORARY ROOFS MUST BE USED TO COVER BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND STORMWATER.

SOIL EROSION AND SEDIMENT CONTROL PROGRAM

1. PRIOR TO PERFORMING ANY SITE CLEARING WORK, INSTALL SEDIMENT BARRIERS AT BOTTOM OF SLOPES AND ALONG ANY ADJACENT PAVED AREAS, OR PROPERTY LINES IN CRITICAL AREAS. INSTALL ALL CONSTRUCTION ENTRANCE/EXIT(S) PRIOR TO BEGINNING CLEARING ACTIVITY.

2. INSTALL INITIAL SEDIMENT STORAGE BMP. IF REQUIRED, AS SOON AS POSSIBLE AFTER CLEARING HAS COMMENCED. UTILIZE DIVERSION DITCHES TO ROUTE STORM WATER RUN-OFF INTO THE PONDS UNTIL STORMWATER SYSTEM IS INSTALLED. REMOVE/GRADE THESE DIVERSION DITCHES AFTER THEY ARE NO LONGER NEEDED. SMOOTH, COMPACT AND GRASS.

3. INSTALL NEW STORM SEWER SYSTEM AS SOON AS POSSIBLE AND DIVERT SURFACE WATER INTO SYSTEM. AS STORM SEWER SYSTEM IS INSTALLED, IMMEDIATELY INSTALL SEDIMENT BARRIERS AROUND DRAINAGE STRUCTURE INLETS.

4. INITIAL GROUND COVER CONSISTING OF GRASS, MULCH AND/OR POLYETHYLENE SHEETS OVER EXPOSED SOIL WITHIN 7 DAYS AFTER SITE CLEARING BEGINS. INSTALL REPEATED APPLICATIONS AS NECESSARY TO MAINTAIN GROUND COVER.

5. WHEN RAINFALL IS PREDICTED OR PROBABLE, ANY DISTURBED, UNGRASSSED AREAS ON THE SITE MUST BE COVERED WITH TEMPORARY MULCH. REPEAT THIS COVERAGE ON A DAILY BASIS IF NECESSARY.

6. MAINTAIN EROSION CONTROL MEASURES UNTIL ALL SITE CONSTRUCTION WORK IS COMPLETE, PERMANENT GRASS IS ESTABLISHED OVER ALL DISTURBED AREAS AND A CERTIFICATE OF SUBSTANTIAL COMPLIANCE IS ISSUED.

7. CONTRACTOR SHALL CLEAN UP WASHOUTS AND REPAIR AND/OR REPLACE SEDIMENT BARRIERS PROMPTLY. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES MID-HEIGHT OF BARRIER.

8. WASHOUTS AND RUTS, WHICH Erode DURING THE COURSE OF THE WORK, SHALL BE REPAIRED IMMEDIATELY USING SUITABLE FILL MATERIALS, COMPACTED, TOPSOILED, FERTILIZED, SEEDED AND MULCHED.

9. RUNOFF SHALL NOT BE CONCENTRATED IN ANY ONE AREA UNLESS INDICATED ON THE CONTRACT DOCUMENTS. IF LOCALIZED EROSION OCCURS, CONTRACTOR SHALL REPAIR DAMAGED AREA AND ADJUST GRADES TO PROMOTE UNIFORM SHEET FLOW AND TO PREVENT LOCALIZED EROSION OF SLOPES.

10. MAINTAIN CONSTRUCTION ENTRANCE ACCESS AS FOLLOWS:
A. PREVENT SOIL FROM WASHING OR BEING TRACKED ONTO EXISTING PAVING.
B. MAINTENANCE OF CONSTRUCTION ENTRANCE SHALL BE RESPONSIBILITY OF THE CONTRACTOR.
C. CONTRACTOR SHALL REMOVE ANY MUD DEPOSITED ONTO PUBLIC ROADS BY VEHICLES LEAVING THE SITE.

SOIL EROSION AND SEDIMENT CONTROL-MAINTENANCE PROGRAM:

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO PREVENT EROSION OF SOILS DURING ALL PHASES OF CONSTRUCTION AND TO RETAIN SEDIMENT ON THE PROJECT SITE. MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONTROLS WHERE THEY ARE NEEDED TO PREVENT EROSION AND CONTAIN SEDIMENT. EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED BY THE CONTRACTOR ON A DAILY BASIS AND REPAIRED WHERE NEEDED. THE CONTRACTOR SHALL PERIODICALLY REMOVE THE ACCUMULATED SILT, AS REQUIRED, THROUGHOUT THE LIFE OF THE CONTRACT.

SOIL EROSION AND SEDIMENT CONTROL-CONSTRUCTION STANDARDS:

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO GOVT AND/OR LOCAL STANDARDS AND SPECIFICATIONS.

REFER TO GEORGIA EROSION AND SEDIMENTATION ACT OF 1975 AS AMENDED THROUGH 1995 IN ADDITION TO "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION, FOR ADDITIONAL INFORMATION AND DETAILS.

SOIL EROSION AND SEDIMENT CONTROL-DUST CONTROL NOTES:

DUST CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT THE SOIL FROM LEAVING THE SITE. .AND SHALL BE APPLIED ANY TIME DUST IS GENERATED ON THE CONSTRUCTION SITE OR ROAD. PRACTICES WILL INCLUDE WATERING, USING MULCH, ESTABLISHING VEGETATION, AND USING SPRAY ON ADHESIVES.

SOIL EROSION AND SEDIMENT CONTROL-REMEDIATION OF SPILLS OR LEAKS OF PETROLEUM PRODUCTS

1. THE CONTRACTOR SHALL NOT LOCATE ANY FUEL OR OIL STORAGE FACILITIES ON SITE.

2. THE CONTRACTOR SHALL DESIGNATE A SPECIFIC AREA ON SITE WHERE THE REFUELING AND OILING OF EQUIPMENT WILL BE ACCOMPLISHED. THE REFUELING AREA SHALL BE LOCATED AS FAR AWAY AS POSSIBLE FROM ANY WETLANDS, DRAINAGE DITCHES, STORMWATER INLETS AND OTHER ENVIRONMENTALLY SENSITIVE AREAS. THE REFUELING AREA SHOULD BE LOCATED IN AN AREA THAT WILL PROVIDE A MAXIMUM DEGREE OF CONTAMINATION IN THE EVENT OF SPILLS, SHOULD THERE BE NO AREAS AWAY FROM INLETS, PLACE TEMPORARY CAPS ON INLETS. SENSITIVE AREAS SHOULD BE PROTECTED WITH BERMS OR PORTABLE BOOMS (FLEXIBLE BARRIERS OF ABSORBENT MATERIAL).

3. ALL FUELS & OILS WILL BE TRANSPORTED TO THE SITE BY TRUCK &/OR LOADED ONTO EQUIPMENT. ONCE THE REFUELING & OILING OPERATIONS ARE COMPLETE, THE FUEL TRUCK SHALL BE REMOVED FROM THE SITE.

4. A CERTIFIED PERSONNEL SHALL INSPECT THE REFUELING AREA IMMEDIATELY AFTER REFUELING FOR ANY SPILLS AND MAKE A PERMANENT REPORT OF SAME.

5. IN THE EVENT OF A FUEL SPILL OR LEAK OCCURS, APPROPRIATE ACTIONS MUST BE TAKEN TO REDUCE THE POSSIBILITY OF LAND OR WATER CONTAMINATION. ANY CONTAMINATED SOIL SHOULD BE REMOVED AND DISPOSED IN A PROPER FACILITY. THE CONTRACTOR SHALL IMMEDIATELY REPORT & REMEDIATE SAME IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS.

6. A CERTIFIED PERSONNEL SHALL INSPECT ALL EQUIPMENT ON SITE DAILY FOR LEAKS AND NOTE SAME IN A PERMANENT REPORT.

7. THE CONTRACTOR SHALL MAKE ALL INSPECTION REPORTS AVAILABLE UPON REQUEST TO THE OWNER'S DESIGNATED SITE INSPECTOR FOR THE MONITORING OF BEST MANAGEMENT PRACTICES.

8. IF OIL ENTERS STATE WATERS OR A CONVEYANCE TO STATE WATERS, IN ANY REPORTABLE AMOUNT, THE GEORGIA OIL AND HAZARDOUS MATERIAL SPILL OR RELEASES ACT REQUIRES IMMEDIATE NOTIFICATION TO THE NATIONAL RESPONSE CENTER, 1-800-424-8802 AND TO THE DNR EMERGENCY OPERATION CENTER, 1-800-241-4113.

2. REQUIREMENTS FOR STEAM BUFFER VARIANCE (SBV):
(CHECKLIST #41 AND 16)

UNDER NPDES CONSTRUCTION PERMIT, THERE IS A 25-FOOT BUFFER THAT APPLY TO ALL "STATE WATERS". THERE IS ALSO A 100-FOOT BUFFER THAT WILL APPLY FOR PROJECTS IN THE VICINITY OF THE CHATTAHOOCHEE RIVER.

NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE A SBV IS APPROVED BY GA EPD. FOR A PROJECT THAT REQUIRES A SBV, THE ESPCP MUST BE COMPLETED PRIOR TO SUBMIT THE SBV APPLICATION TO GA EPD. THE SBV APPLICATION REQUIRES THE DPW DIRECTOR SIGNATURE FOR SUBMISSION. THE FOLLOWING MUST BE ADDRESS IN THE ESPCP.

• DESCRIBE IN THE ESPCP IF A SBV WILL BE REQUIRED FOR THE PROJECT. IF CONSTRUCTION IS TO TAKE PLACE IN A STATE WATER, THE ESPCP MUST SHOW STATE WATER SPECIFIC DIVERSION PLANS, PIPES, ETC. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE FEDERAL CLEAN WATER ACT.

☐STREAM BUFFER VARIANCE REQUIRED
☒STREAM BUFFER VARIANCE NOT REQUIRED

[CHECKLIST #4]

24 HOUR CONTACT:
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(706) 653-6003
LOUISE@COLUMBUSAREAHABITAT.COM

[CHECKLIST #2] LEVEL II CERTIFICATION

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Joel D WomackLevel II Certified Design Professional

CERTIFICATION NUMBER 0000061976

ISSUED 04/18/2023EXPIRES 04/18/2026

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*THIS REQUIREMENT IS DIFFERNT FOR INFRASTRUCTURE PROJECTS. CERTIFIED PERSONNEL FOR PRIMARY PERMITTEES SHALL CONDUCT INSPECTIONS AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL OR GREATER IN ACCORDANCE WITH PART IV.D.4.a.(3)(a) – (c) OF THIS PERMIT.

APPENDIX 1 GAR 100001PLAN/PAGELY/N/NAITEM

-N/A-A. DURING CONSTRUCTION ACTIVITIES, DOUBLE THE WIDTH OF THE 25 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATERS REQUIRING A BUFFER AND THE 50 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATERS CLASSIFIED AS "TROUT STREAMS" REQUIRING A BUFFER. DURING CONSTRUCTION ACTIVITIES, EPD WILL NOT GRANT VARIANCES TO ANY SUCH BUFFERS THAT ARE INCREASED IN WIDTH.

-N/A-B. INCREASE ALL TEMPORARY SEDIMENT BASINS AND RETROFITTED STORM WATER MANAGEMENT BASINS TO PROVIDE SEDIMENT STORAGE OF AT LEAST 3600 CUBIC FEET (134 CUBIC YARDS) PER ACRE DRAINED.

-N/A-C. USE BAFFLES IN ALL TEMPORARY SEDIMENT BASINS AND RETROFITTED STORM WATER MANAGEMENT BASINS TO AT LEAST DOUBLE THE CONVENTIONAL FLOW PATH LENGTH TO THE OUTLET STRUCTURE.

EC2.0-EC4.0YD. A LARGE SIGN (MINIMUM 4 FEET X 8 FEET) MUST BE POSTED ON SITE BY THE ACTUAL START DATE OF CONSTRUCTION. THE SIGN MUST BE VISIBLE FROM A PUBLIC ROADWAY. THE SIGN MUST IDENTIFY THE FOLLOWING: (1) CONSTRUCTION SITE, (2) THE PERMITTEE(S), (3) THE CONTACT PERSON(S) AND TELEPHONE NUMBER, AND (4) THE PERMITTEE-HOSTED WEBSITE WHERE THE PLAN CAN BE VIEWED MUST BE PROVIDED ON THE SUBMITTED NOI. THE SIGN MUST REMAIN ON SITE AND THE PLAN MUST BE AVAILABLE ON THE PROVIDED WEBSITE UNTIL A NOT HAS BEEN SUBMITTED.

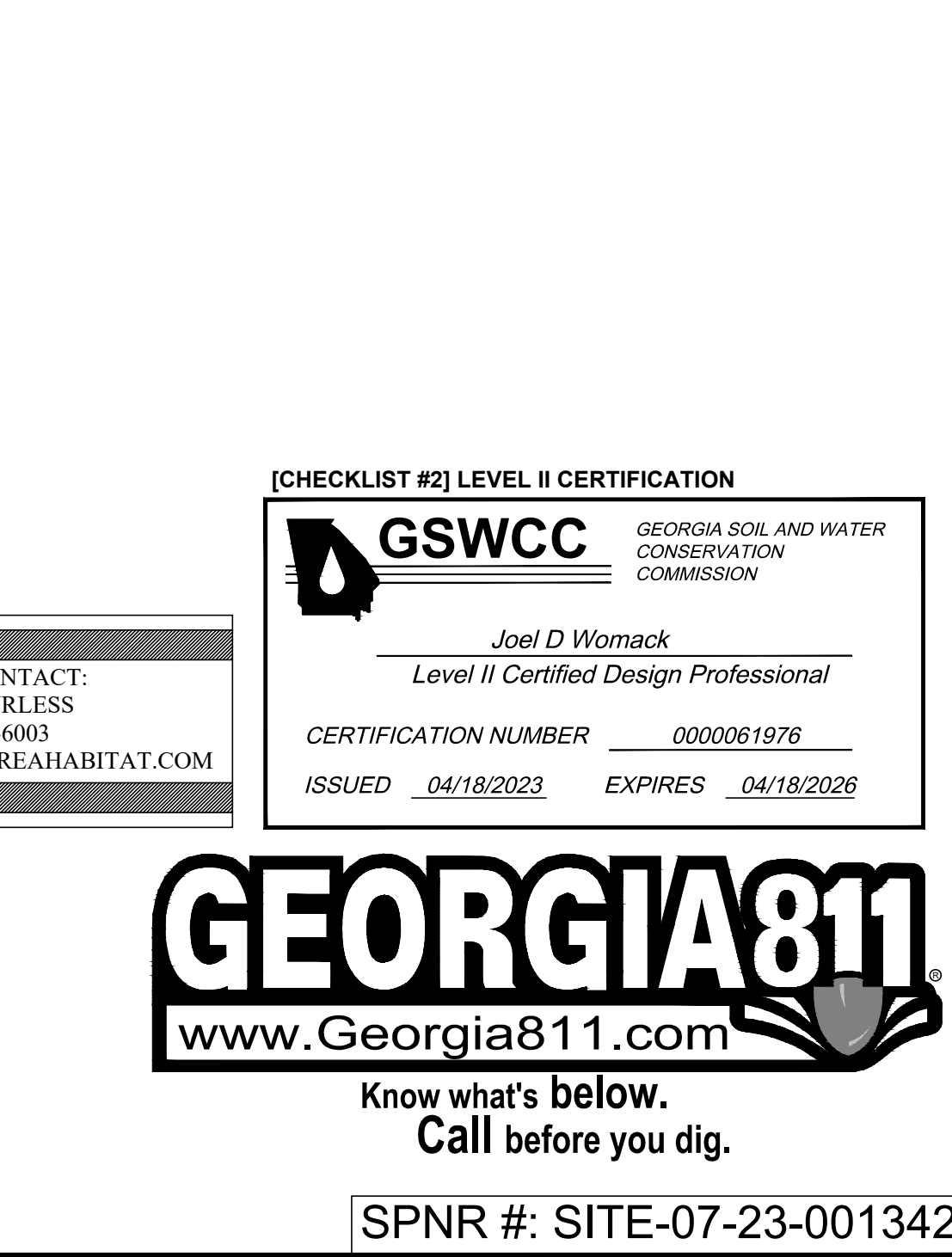
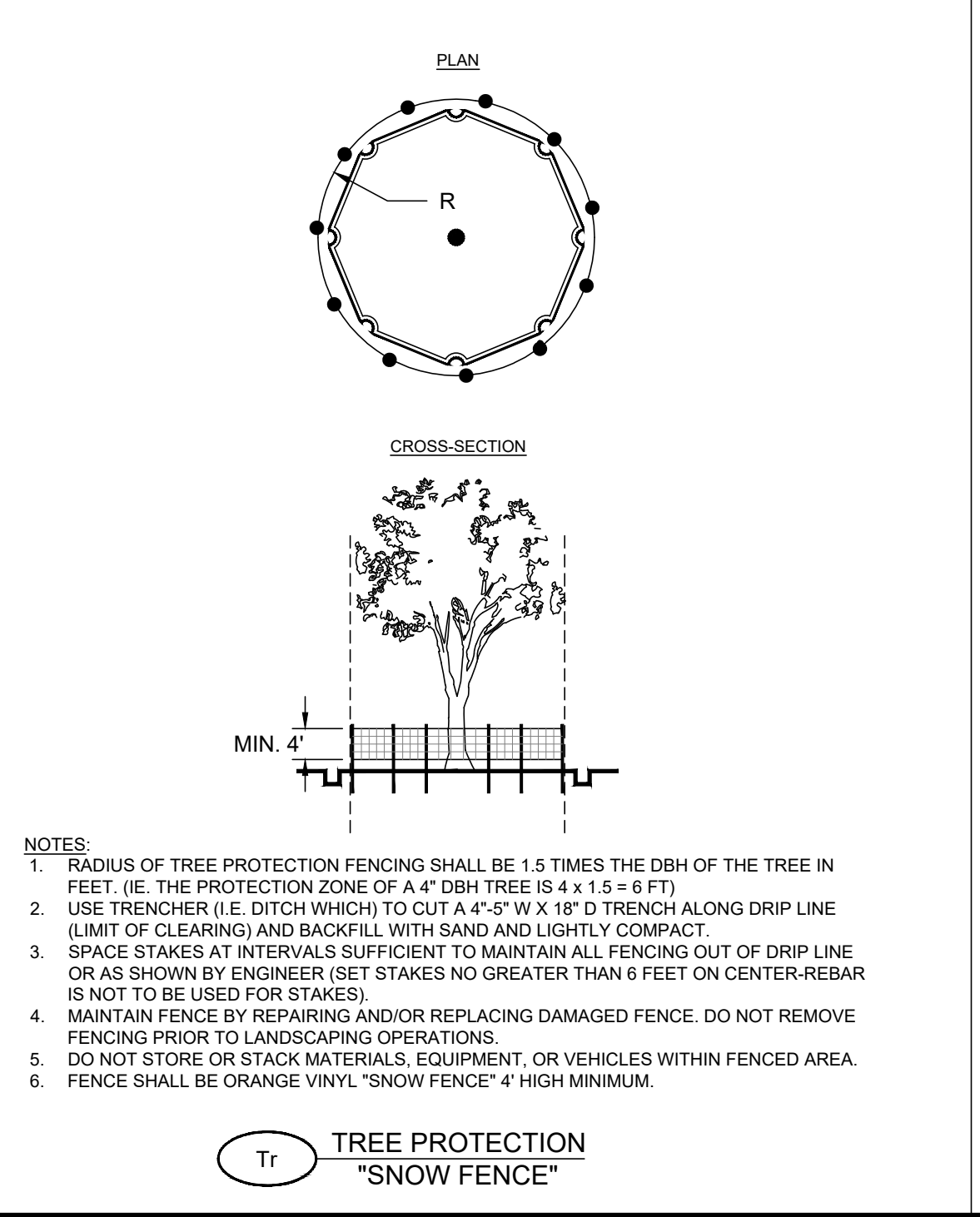
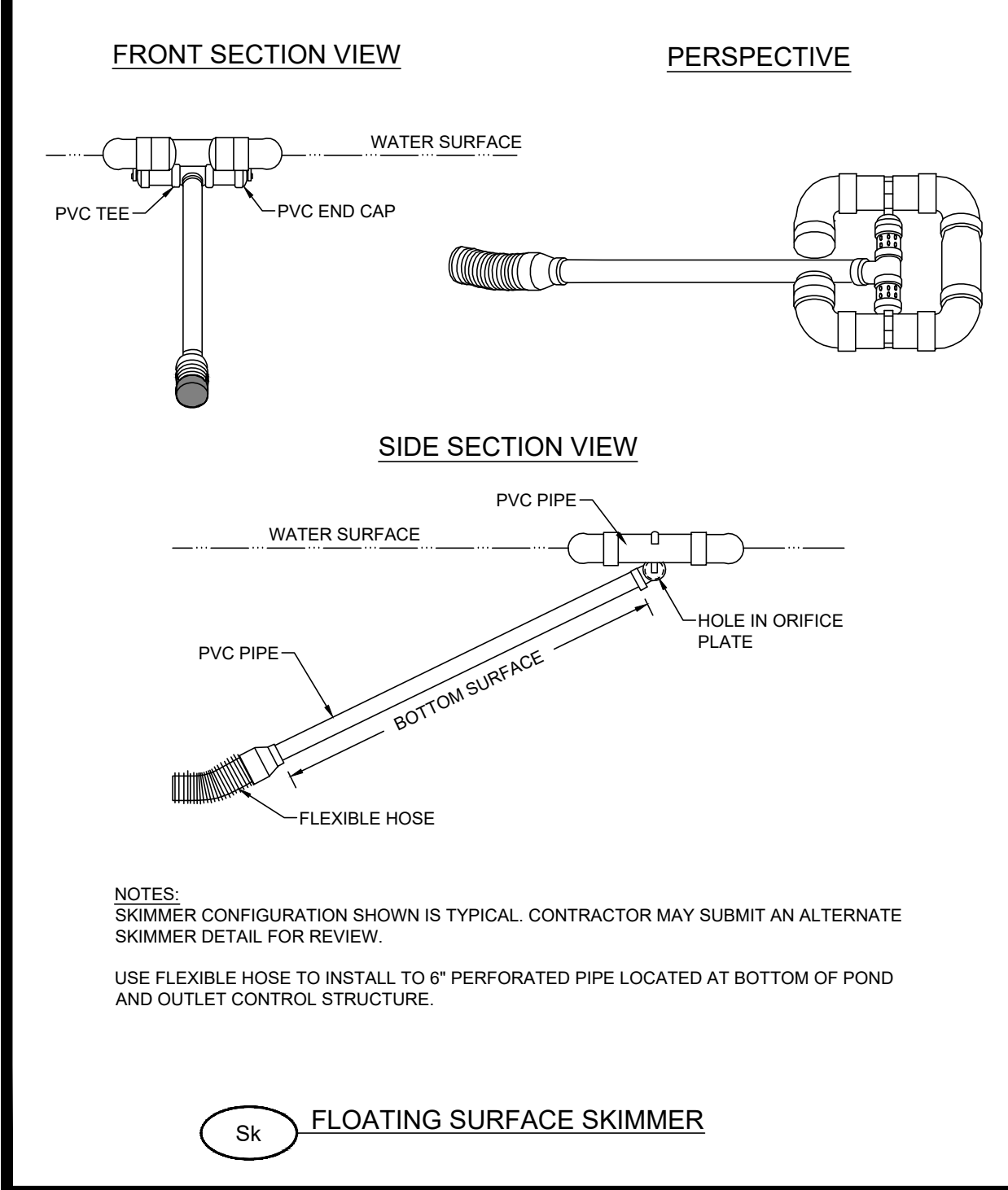
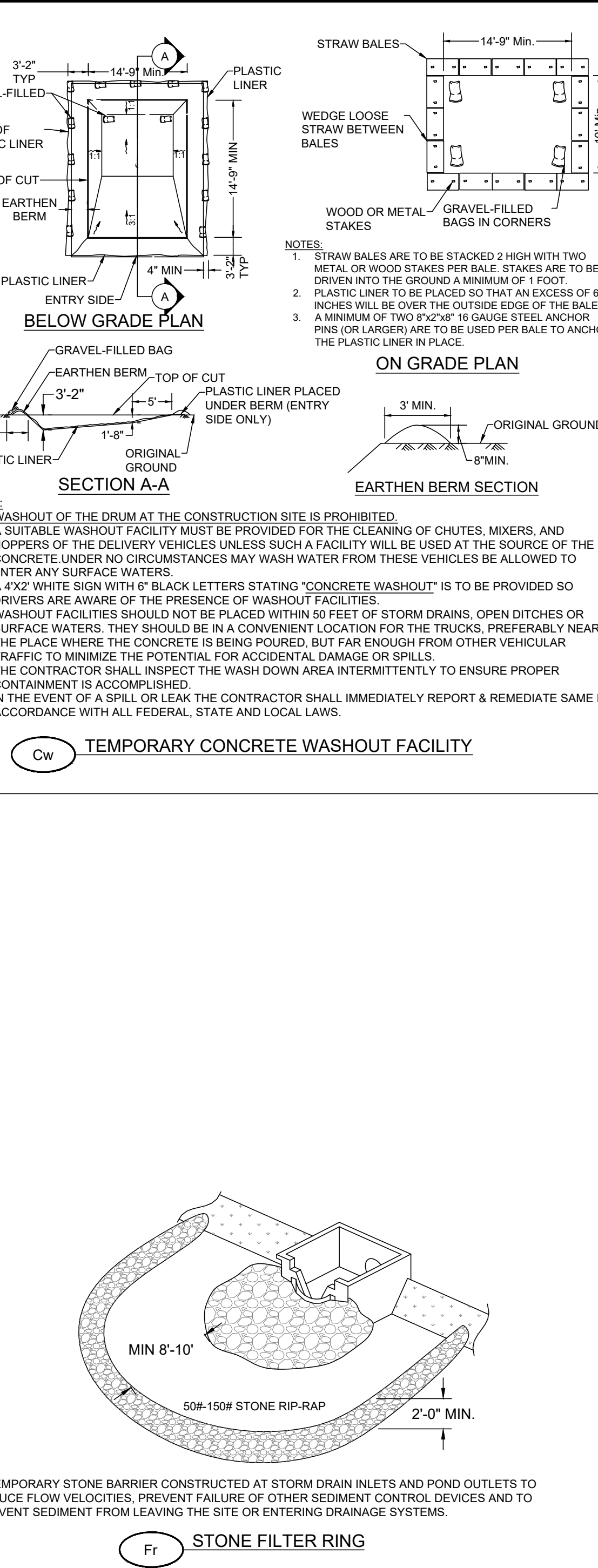
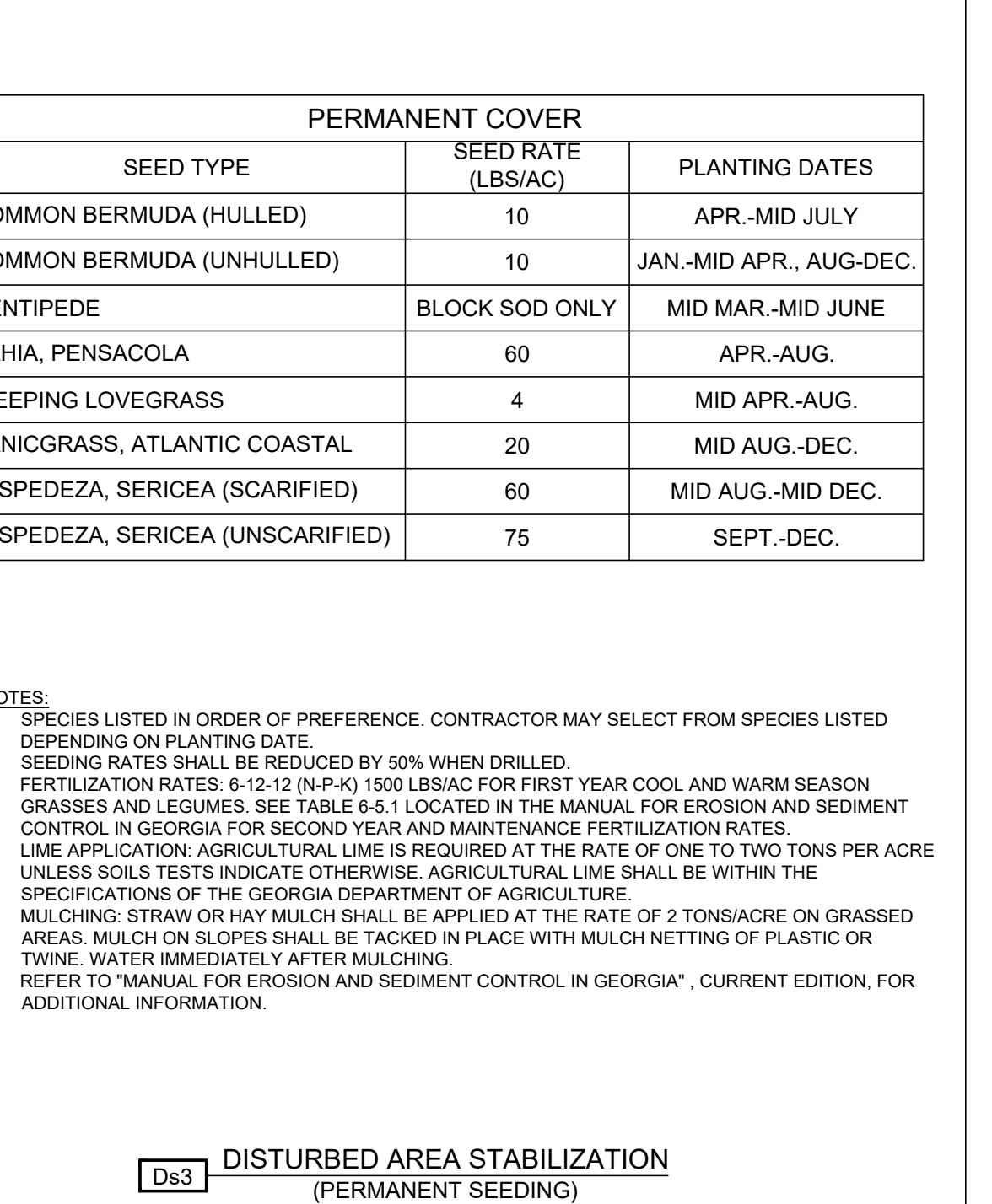
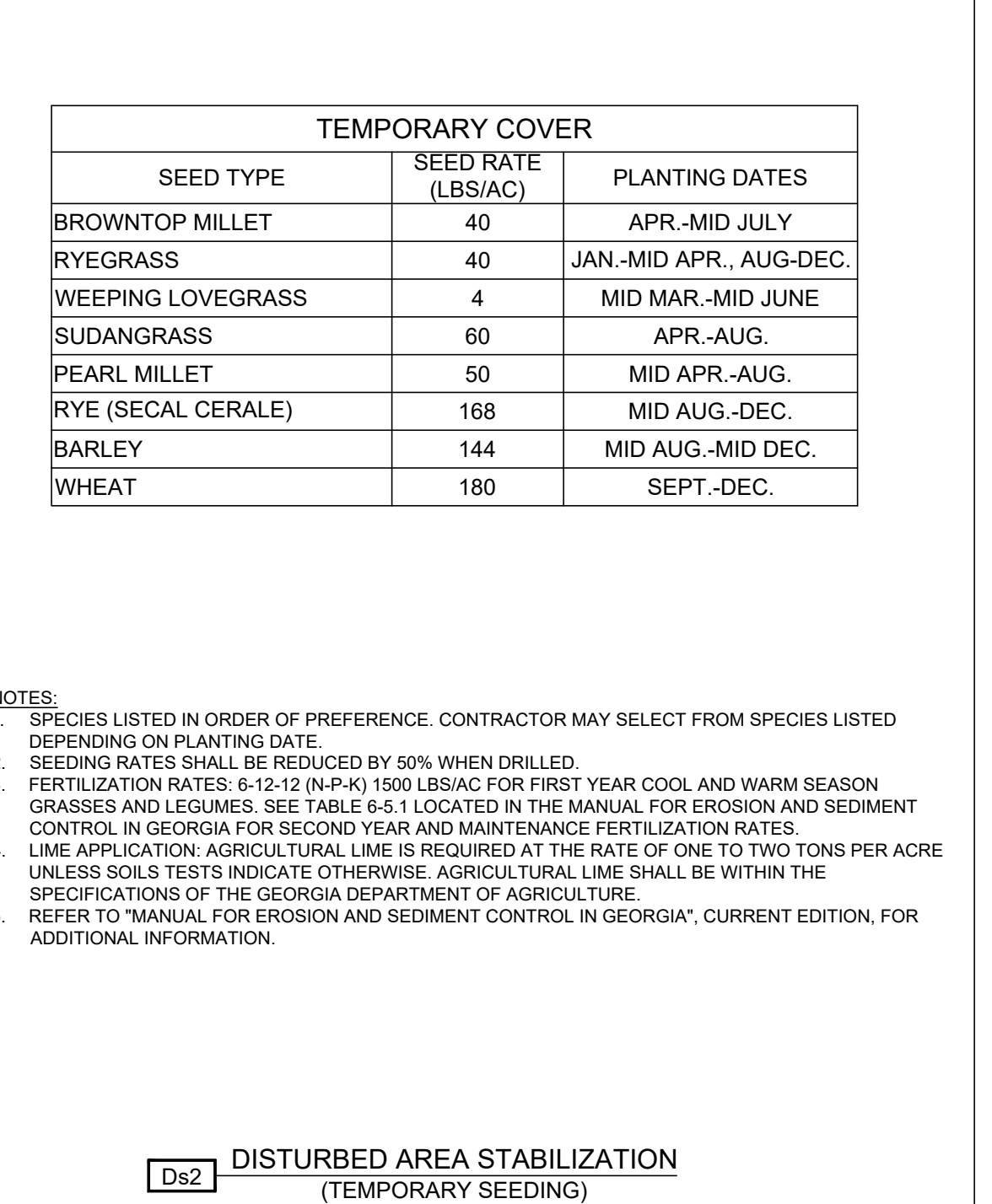
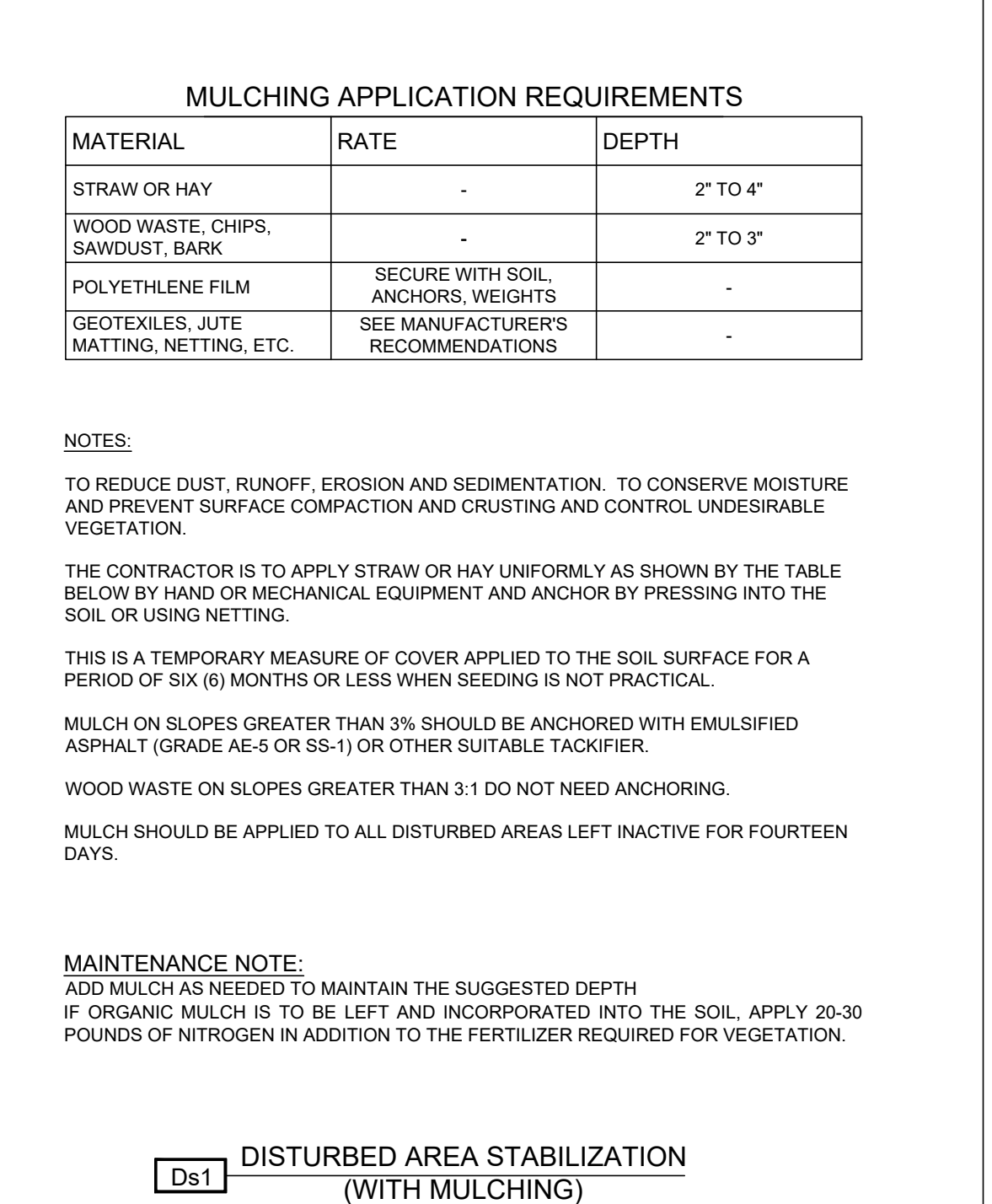
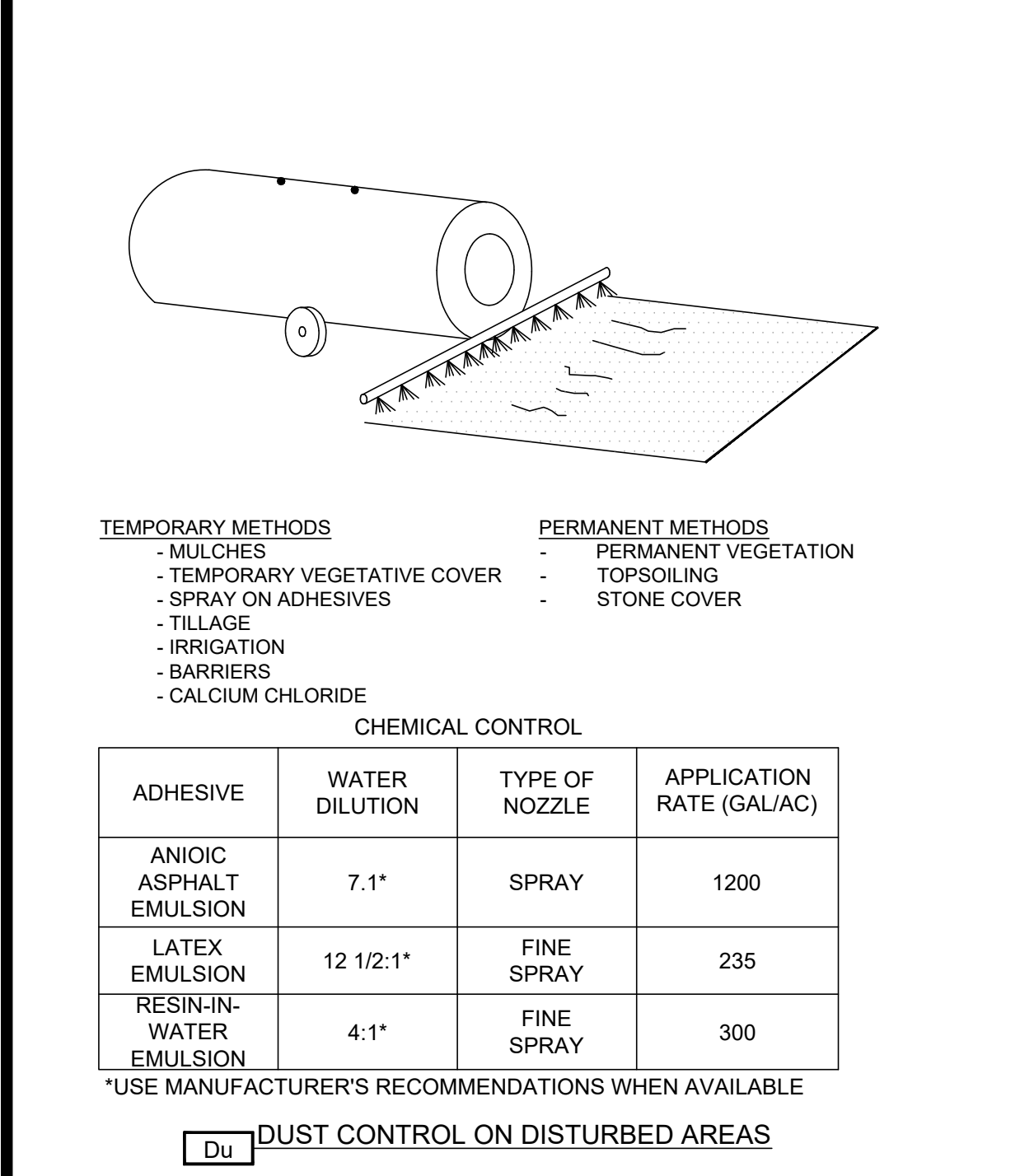
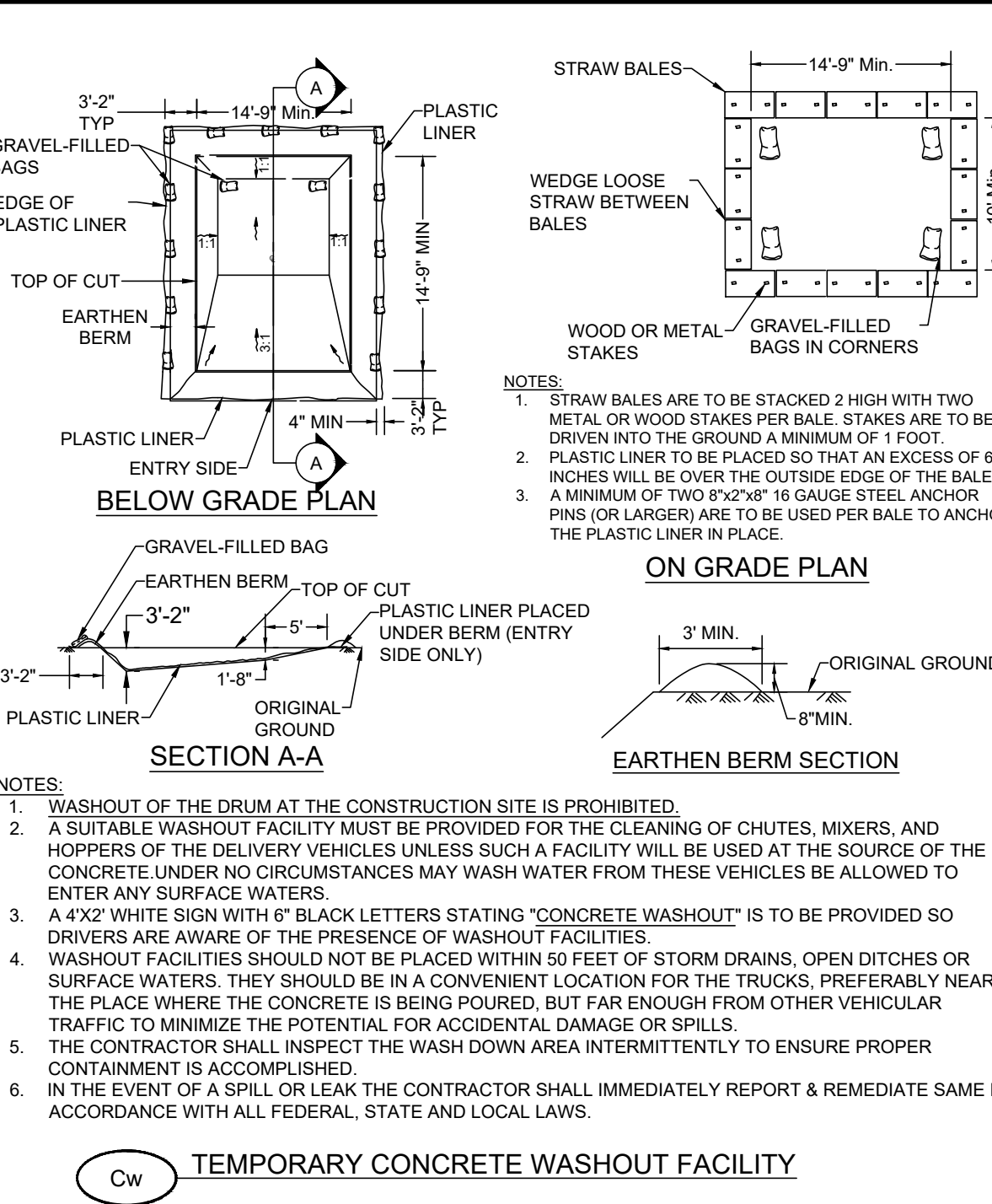
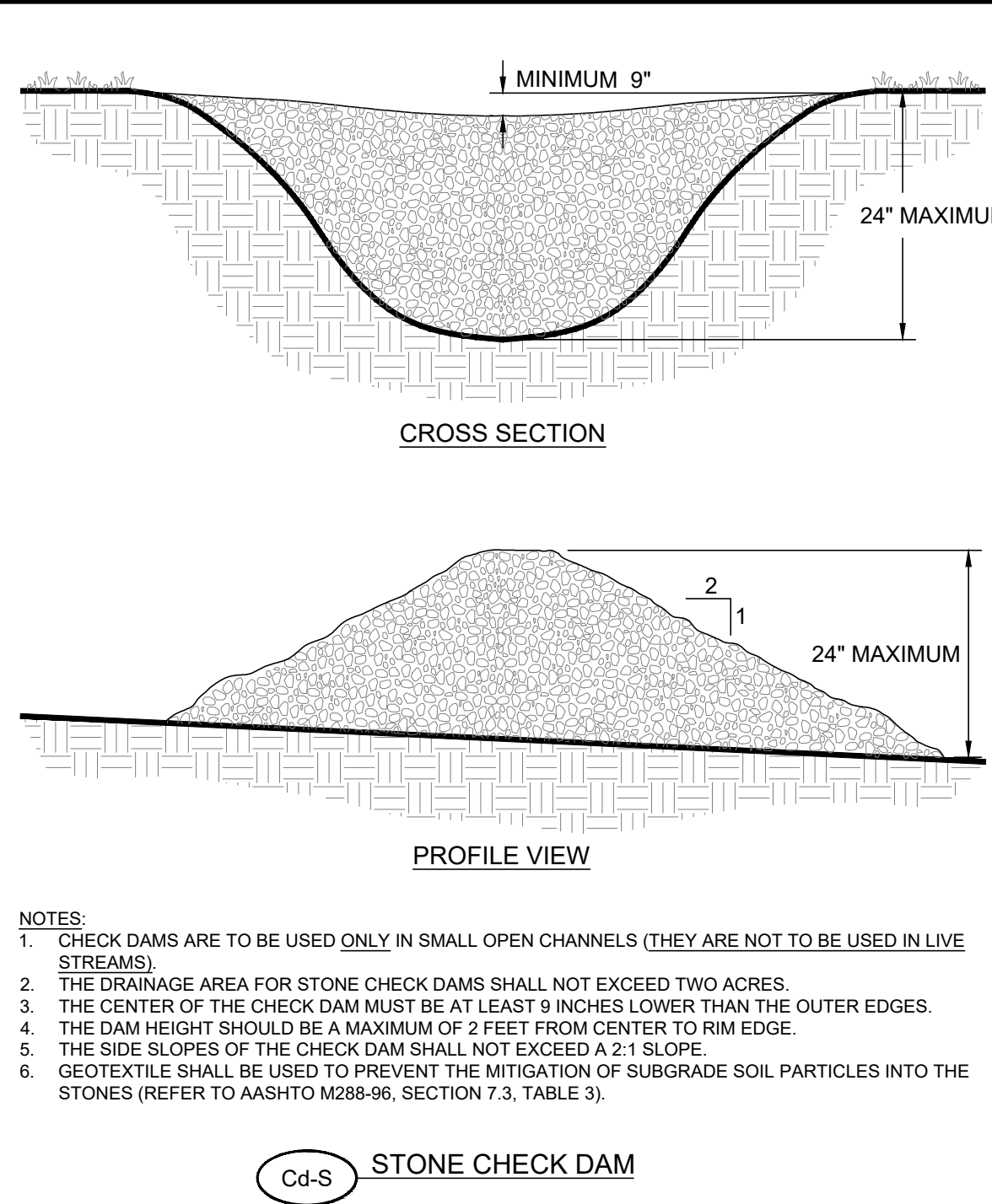
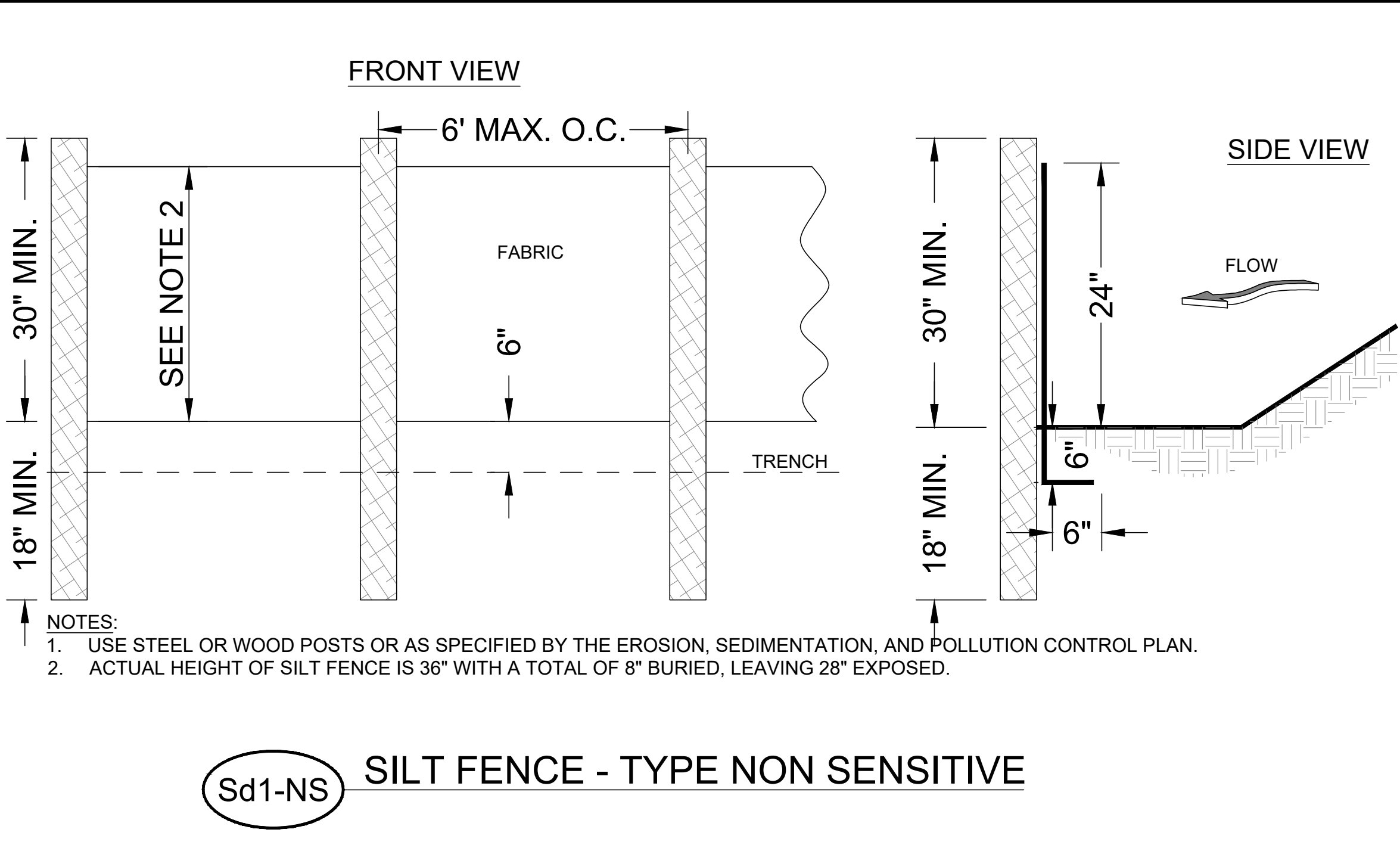
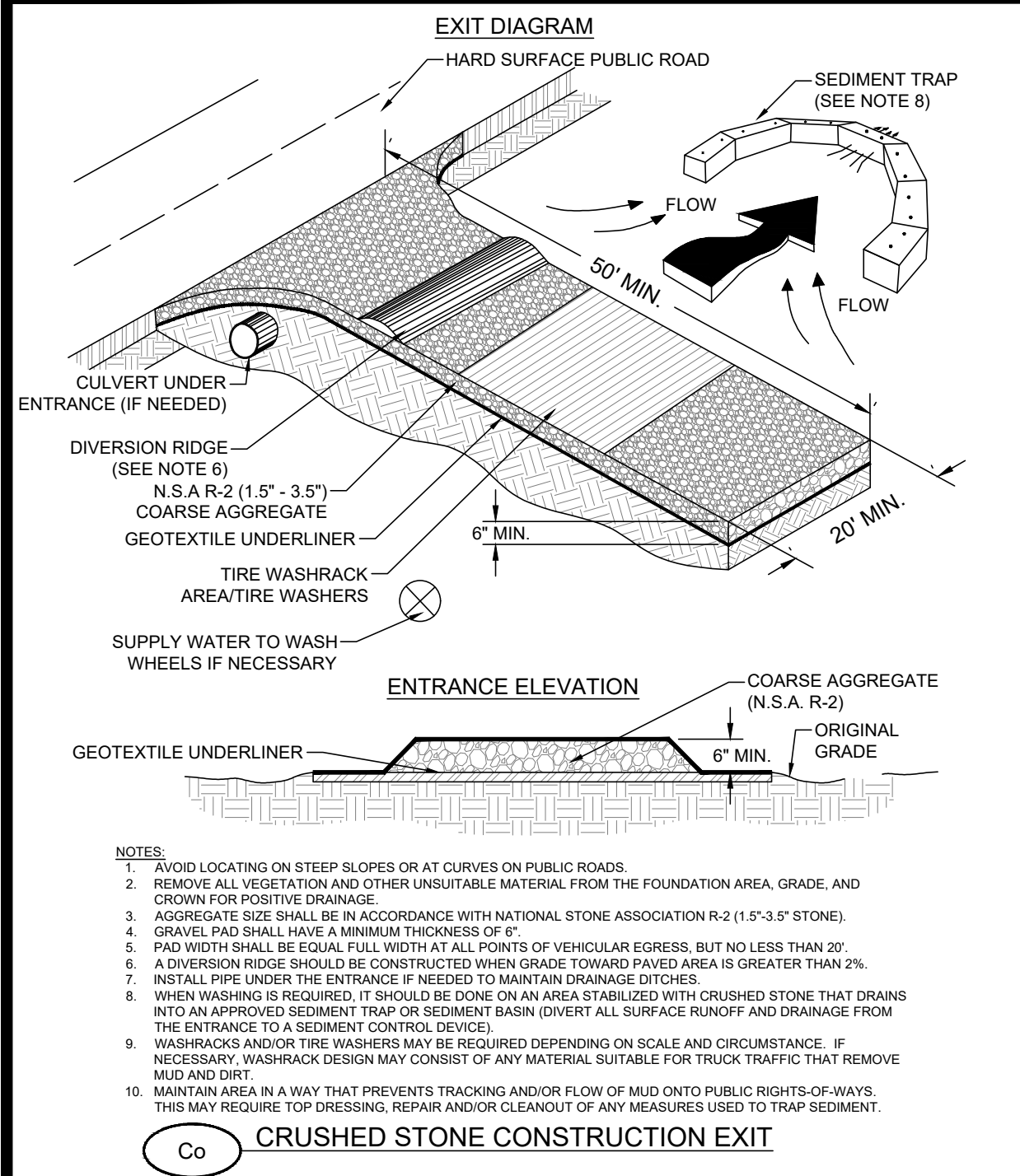
EC3.0YE. USE FLOCULANTS OR COAGULANTS AND/OR MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH SECTION III. D.1. OF THE NPDES PERMIT.

EC2.0-EC4.0YF. CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.g. OF THE NPDES PERMITS.

-N/IAG. COMPLY WITH THE APPLICABLE END-OF-PIPE TURBIDITY EFFLUENT LIMIT, WITHOUT THE "BMP DEFENSE" AS PROVIDED FOR IN O.C.G.A. 12-7-6 (a)(1).

-N/IH. REDUCE THE TOTAL PLANNED SITE DISTURBANCE TO LESS THAN 50% IMPERVIOUS

01/2023/23-7035 HABITAT FOR HUMANITY - NUEVA VALLEY SD DWG/23-7035C_COI.DWG 11/7/2023 9:21 AM



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EROSION & SEDIMENTATION CONTROL DETAILS

HABITAT FOR HUMANITY - NUEVA VALLEY SUBDIVISION

LYING IN LAND LOT 54, 9TH LAND DISTRICT
COLUMBUS, MUSCOGEE COUNTY, GEORGIA

Prepared for:
HABITAT FOR HUMANITY

PROJECT NO.: 23-7035
DRAWN BY: TGF
DESIGNED BY: TGF
SURVEYED BY: EMC
SURVEY DATE: 6/5/2019
CHECKED BY: JDW
SCALE: NTS
DATE: 11/06/2023

SHEET
EC8.0
OF 20