

COLUMBIA
COUNTY

MAYO FERTILIZER 2020 EXPANSION

COLUMBIA COUNTY, FLORIDA

SECTION 36, TOWNSHIP 3S, RANGE 17E

Brand
on M.
Stubbs

Digitally signed
by Brandon M.
Stubbs
Date:
2020.07.22
10:32:16 -04'00'

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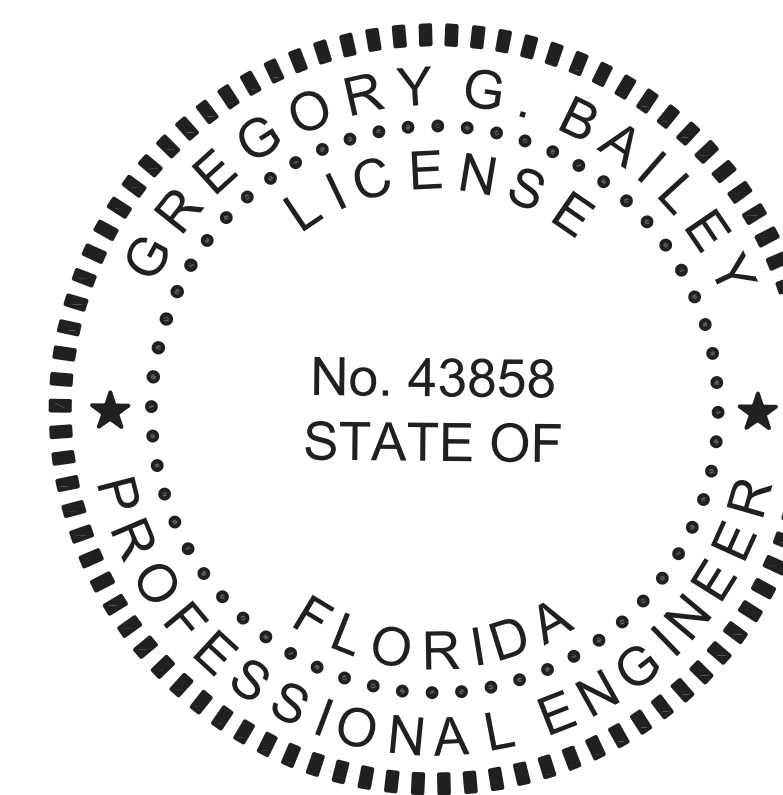
ATTACHMENT: SURVEY BY BRITT SURVEYING



PROJECT LOCATION

PLANS PREPARED FOR:

MAYO FERTILIZER INC.
413 MCCLOSKEY AVE.
LAKE CITY, FLORIDA 32055
(386) 752-3155



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND
SEALED BY:

Gregory G Bailey

Digitally signed by Gregory G Bailey
DN: CN=Gregory G Bailey,
OU=A01427E000001680E98940E00004253,
O=NORTH FLORIDA PROFESSIONAL
SERVICES INC., C=US
Date: 2020.07.22 08:52:43-04'00'

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED. THE
SIGNATURE MUST BE VERIFIED IN THE
ELECTRONIC DOCUMENTS.

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
CERTIFICATE OF AUTHORIZATION: 29011
GREGORY G. BAILEY, P.E. NO. 43858

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

07/2020
COUNTY SITE PLAN
NOT FOR CONSTRUCTION

North Florida Professional Services, Inc.
P.O. BOX 3823
Lake City, FL 32025
Ph. 386-752-4675
Fax. 386-752-4674
Eng. Lic. 29011



COVER SHEET

REVISIONS:

DESIGNED BY:	DRAFTED BY:	CHECKED BY:
RD	JC	TH
DATE: 03/20	ENGINEER OF RECORD:	
	GREGORY G. BAILEY	
	P.E. NO.: 43858	
	SHEET NO.	
	C-1	

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO ENSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND COLUMBIA COUNTY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.

2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED SUWANNEE RIVER WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT.

3. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.

4. BOUNDARY INFORMATION SHOWN, WAS OBTAINED FROM A BOUNDARY SURVEY PREPARED BY BRITT SURVEYING, FLORIDA CERTIFICATE NO. 8016.

5. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.

6. THE SITE IS LOCATED IN SECTION 36, TOWNSHIP 3 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

7. THE CONTRACTOR SHALL IMPLEMENT ALL COMPONENTS OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ALL COMPONENTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL VEGETATION IS ESTABLISHED, THE ENTIRE PROJECT AREA IS STABILIZED AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.

8. THE STORMWATER BASIN IS DESIGNED IN ACCORDANCE WITH SRWMD APPLICANT HANDBOOK VOLUME II AND 62-330 F.A.C.

9. ALL SLOPES OF THE STORMWATER BASIN SHALL BE GRASSED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.

10. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.

11.THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL PROTECT ALL UTILITIES WITHIN THE PROJECT AREAS.

12. ALL UTILITY CONSTRUCTION SHALL MEET THE FLORIDA DEPARTMENT OF HEALTH AND SRWMD STANDARDS.

13. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS.

14. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES BUT IS NOT LIMITED TO MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.

15. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.

16. CONTRACTOR SHALL PROVIDE ACTUAL INVERT ELEVATIONS ON ALL DRAINAGE STRUCTURES, INCLUDING CULVERTS, PRIOR TO PLACING ANY BASE MATERIAL. DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER BEFORE CONTINUING WORK.

17. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE F.D.O.T. STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION), AWWA SPECIFICATIONS, AND THE COLUMBIA COUNTY DEVELOPMENT STANDARDS UNLESS OTHERWISE NOTED.

18. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW FINISHED GRADE WITHIN THE CONSTRUCTION LIMITS.

19. THE CONTRACTOR SHALL NOTIFY THE COUNTY AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.

20. THE CONTRACTOR SHALL SUBMIT A NOTICE OF CONSTRUCTION COMMENCEMENT TO THE WATER MANAGEMENT DISTRICT AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

21. NO WORK SHALL BE PERFORMED ON SATURDAY OR SUNDAY WITHOUT WRITTEN NOTIFICATION TO THE COUNTY.

22. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE STORMWATER MANAGEMENT SYSTEMS. INCLUDE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT IMPROVEMENTS ARE LOCATED AND DELINEATED RELATIVE TO THE BOUNDARY. PROVIDE SUFFICIENT DETAILED DATA TO DETERMINE WHETHER THE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. A COPY OF THE AS-BUILT SURVEY (IN PAPER AND DIGITAL AUTOCAD FORMAT) MUST BE SUBMITTED TO COLUMBIA COUNTY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) AND THE ENGINEER.

23. THE CONTRACTOR SHALL SUBMIT A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM NOTICE OF INTENT ALONG WITH SUPPORTING DOCUMENTATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMIT FEES.

24. IF DURING CONSTRUCTION OR OPERATION OF THE STORM WATER MANAGEMENT SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDAN AQUIFER SYSTEM, CORRECTIVE ACTIONS DESIGNED OR APPROVED BY A REGISTERED PROFESSIONAL SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE. A REPORT PREPARED BY A REGISTERED PROFESSIONAL MUST BE PROVIDED AS SOON AS PRACTICAL TO THE DEPARTMENT FOR REVIEW AND APPROVAL THAT PROVIDES REASONABLE ASSURANCE THAT THE BREACH WILL BE PERMANENTLY CORRECTED.

25. ALL CONCRETE SLABS ABUTTING EXTERIOR WALLS SHALL BE SOIL TREATED FOR TERMITES.

26. ALL UTILITY AND/OR DRAINAGE STRUCTURES SHALL BE PRECAST UNLESS APPROVED BY THE ENGINEER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO PROCUREMENT.

SYMBOLS LEGEND

	BENCHMARK		MANHOLE SANITARY EXISTING		SOIL BEARING LOCATION
	BOX CABLE		MANHOLE SANITARY PROPOSED		TAP SANITARY SEWER EXISTING
	BOX ELECTRICAL		MANHOLE STORM EXISTING		TAP SANITARY SEWER PROPOSED
	BOX TRAFFIC LIGHT		MANHOLE STORM PROPOSED		VALVE, AIR VENT AUTO EXISTING
	CATCH BASIN ROUND		MANHOLE WATER EXISTING		VALVE, AIR VENT AUTO PROPOSED
	CATCH BASIN SQUARE		MANHOLE WATER PROPOSED		VALVE, AIR VENT HAND EXISTING
	CLEANOUT EXISTING		DELTA POINT EXISTING		VALVE, AIR VENT HAND PROPOSED
	CLEANOUT PROPOSED		DELTA POINT PROPOSED		VALVE, BACKFLOW PREVENTER EXISTING
	CULVERT MITERED END SECTION		STANDARD POINT		VALVE, BACKFLOW PREVENTER PROPOSED
	DITCH BLOCK		METER, GAS EXISTING		VALVE, GAS SHUT OFF EXISTING
	DOT MARKER FOUND		METER, GAS PROPOSED		VALVE, GAS SHUT OFF PROPOSED
	ELECTRICAL DISTRIBUTION SWITCH		METER, SANITARY EXISTING		VALVE, GATE GAS EXISTING
	FLOW ARROW		METER, SANITARY PROPOSED		VALVE, GATE GAS PROPOSED
	GRINDER STATION EXISTING		METER, WATER EXISTING		VALVE, GATE WATER EXISTING
	GRINDER STATION PROPOSED		METER, WATER PROPOSED		VALVE, GATE WATER PROPOSED
	HANDICAP SYMBOL		METER WATER STATION		VALVE, WATER IRRIGATION CONTROL
	HANDHOLE STORM		MONUMENT FOUND CONCRETE		VALVE, SANITARY VAULT EXISTING
	HANDHOLE WATER		MONUMENT (PRM) MARKER CONCRETE		VALVE, SANITARY VAULT PROPOSED
	HYDRANT, FIRE EXISTING		MONUMENT SET CONCRETE		VALVE, WATER VAULT EXISTING
	HYDRANT, FIRE PROPOSED		PEDESTAL, TELEPHONE EXISTING		VALVE, WATER VAULT PROPOSED
	HYDRANT, FLUSHING EXISTING		PEDESTAL, TELEPHONE PROPOSED		WATER STATION
	HYDRANT FLUSHING PROPOSED		POLE, GUY WIRE EXISTING		WATER TANK
	IRON ROD SET		POLE, GUY WIRE PROPOSED		WELL
	IRON ROD FOUND		POLE, LIGHT EXISTING		WELL, MONITORING
	LINE, BASE		POLE, LIGHT PROPOSED		SEPTIC TANK
	LINE, CENTER		POLE, POWER EXISTING		
	LINE, PROPERTY		POLE, POWER PROPOSED		ASPHALT
	LIFT STATION EXISTING		POLE, POWER WITRANSFORMER		CONCRETE
	LIFT STATION PROPOSED		POLE, UTILITY		GRAVEL
	MANHOLE, ELECTRICAL EXISTING		POST, FIBER OPTIC WARNING		
	MANHOLE, ELECTRICAL PROPOSED		SIGN, DOUBLE POST EXISTING		TITLE MARK
	MANHOLE, GAS EXISTING		SIGN, DOUBLE POST PROPOSED		
	MANHOLE, GAS PROPOSED		SIGN, SINGLE POST EXISTING		SECTION DETAIL MARK
			SIGN, SINGLE POST PROPOSED		

LINETYPE LEGEND

EXISTING	PROPOSED	
		FORCE MAIN
		WATER
		SANITARY
		GAS
		BURIED ELECTRIC
		BURIED TELEPHONE
		CABLE TV
		FIBER OPTIC
		OVERHEAD UTILITIES
		OVERHEAD ELECTRIC

MISCELLANEOUS LINETYPES

	EXISTING CORRUGATED METAL PIPE
	EXISTING ROUND CONCRETE PIPE
	EXISTING ELIPTICAL CONCRETE PIPE
	EXISTING CORRUGATED PLASTIC PIPE
	FIELD FENCE
	CHAIN LINK FENCE
	WOOD POST FENCE
	PROPERTY BOUNDARY
	RIGHT OF WAY LINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	SILT FENCE

ABBREVIATION LEGEND

ARC LENGTH	L	POINT OF BEGINNING	PB
BENCHMARK	BM	POINT OF COMMENCEMENT	PC
CALCULATED	(C)	POINT OF CURVATURE	POC
CHORD BEARING	CH	POINT OF COMPOUND CURVATURE	PCC
CONCRETE MONUMENT	CM	POINT OF INTERSECTION	PI
CLEANOUT	CO	POINT OF REVERSE CURVATURE	PR
DEED	(D)	POINT OF TANGENT	PT
DITCH, TOP OF	TOD	PIPE, CORRUGATED METAL	CMP
DITCH, BOTTOM OF	BOD	PIPE, METAL ARC BITUMINOUS COATED	CMPA
EAST	E	PIPE, REINFORCED CONCRETE	RCP
EDGE OF PAVEMENT	EOP	PIPE, REINFORCED CONCRETE	RCP
ELECTRICAL	E	ELLIPTICAL	ST
END VERTICAL CURVE ELEVATION	EVCE	PIPE, POLYETHYLENE	PE
END VERTICAL CURVE STATION	EVCS	PIPE, POLYETHYLENE HIGH DENSITY	HDPE
FOUND	FND	PLAT	(P)
FINISH FLOOR ELEVATION	FFE	PROFILE GRADE LINE	PGL
GAS	R	RADIUS	R
GROUND SPOT ELEVATION	X	RANGE	RNG
IRON PIPE	IP	REBAR	RB
IRON ROD	IR	REBAR AND CAP	RBC
IRON ROD AND CAP	IRC	RECLAIMED WATER	RW
LINEAR FEET	LF	RIGHT OF WAY	R/W
LINE, BASE	LB	SANITARY SEWER	SAN
LINE, CENTER	LC	SECTION	SEC
LINE, PROPERTY	LP	SEWER TAP	ST
MEASURED	(M)	SOUTH	S
NAIL	NL	STORM SEWER	SS
NAIL AND DISK	NL+D	STORM WATER MANAGEMENT FACILITY	SWMF
MANHOLE	MH	TANGENT	T
NO IDENTIFICATION	NO	TOWNSHIP	TW
NORTH	N	UNDERGROUND CABLE	UC
OFFICIAL RECORD BOOK	ORB	UNDERGROUND ELECTRIC	UE
OFFSET	O/S	UNDERGROUND TELEPHONE	UT
OVERHEAD CABLE	OC	VALVE, COMBINATION AIR/VACUUM	CAV
OVERHEAD ELECTRIC	OE	WATER LINE	W
OVERHEAD TELEPHONE	OT	WATER METER	WM
PAGE(S)	PG		
PERMANENT CONTROL POINT	PCP		

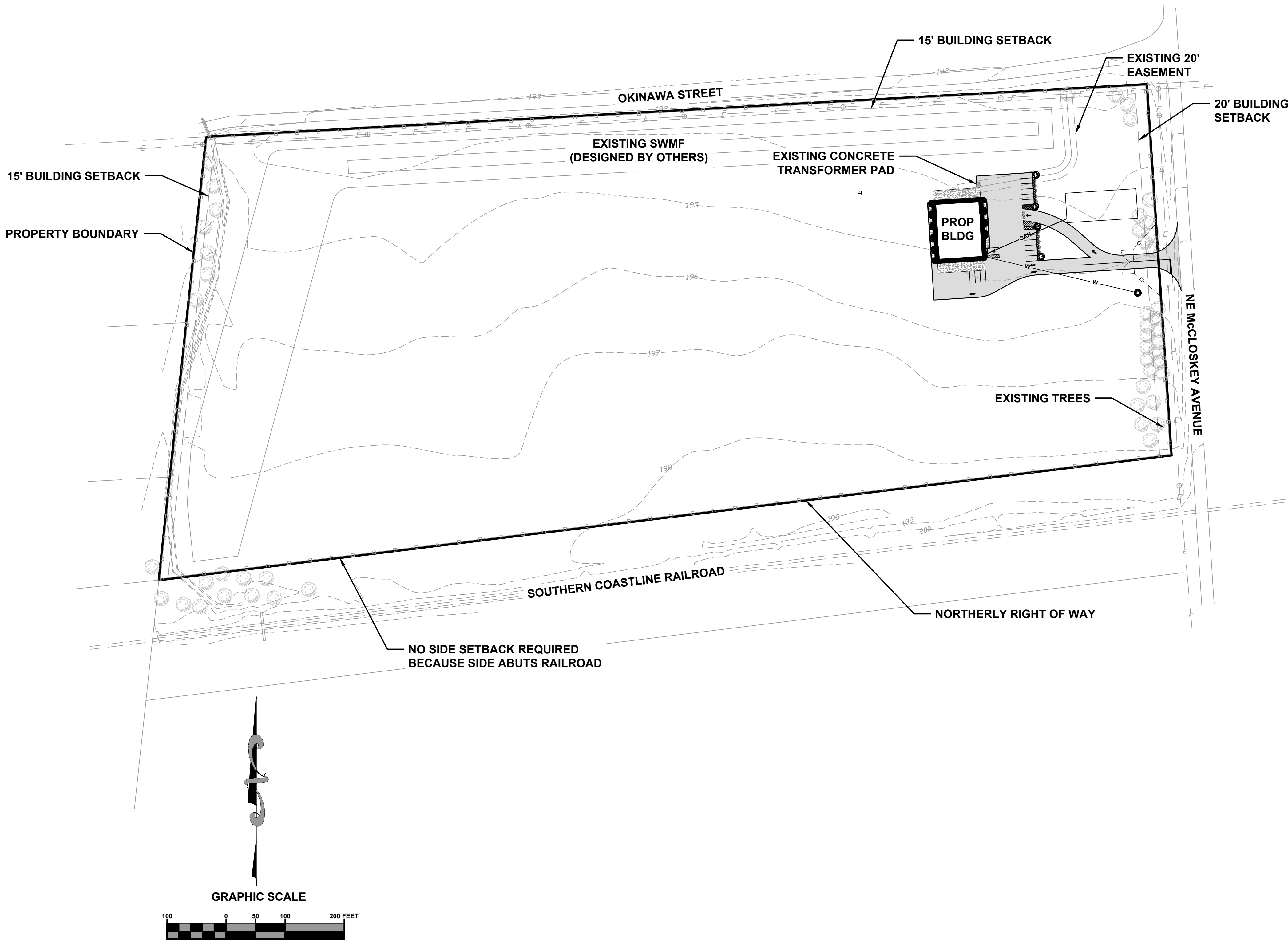
REVISIONS:

JOB NUMBER: L200309MFI	DESIGNED BY: JC	CHECKED BY: TH
DATE: 03/20	DRAFTED BY: JC	ENGINEER OF RECORD: GREGORY C. BAILEY
SHEET NO. C-2		P.E. NO.: 43668

GENERAL NOTES & LEGEND
MAYO FERTILIZER 2020 EXPANSION
COLUMBIA COUNTY, FLORIDA

North Florida Professional Services, Inc.
P.O. BOX 180998
Tallahassee, FL 32318
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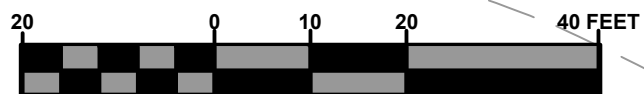


SITE DATA TABLE			
MAYO FERTILIZER 2020 EXPANSION			
PARCEL ID NUMBER	36-3S-17-07463-005		
ZONING	(I) INDUSTRIAL		
LAND USE	INDUSTRIAL		
CITY COUNCIL DISTRICT NUMBER	2		
PHYSICAL ADDRESS	413 McCLOSKEY AVE. LAKE CITY, FL 32055		
PROJECT PROPERTY BOUNDARY		SQ. FT.	ACRES
TOTAL PROPERTY BOUNDARY AREA		1138437	26.13
EXISTING IMPERVIOUS AREA			% OF SITE
EXISTING ASPHALT PAVEMENT		0	0.00
EXISTING CONCRETE		33	0.00
EXISTING BUILDING		0	0.00
EXISTING STORMWATER MANAGEMENT FACILITY		169357	14.88%
TOTAL EXISTING IMPERVIOUS AREA ON-SITE		169390	14.88%
PROPOSED IMPERVIOUS AREA			
EXISTING ASPHALT PAVEMENT TO REMAIN		0	0.00
EXISTING CONCRETE TO REMAIN		33	0.00
EXISTING BUILDING TO REMAIN		0	0.00
EXISTING STORMWATER MANAGEMENT FACILITY TO REMAIN		169357	14.88%
PROPOSED ASPHALT PAVEMENT		29405	2.58%
PROPOSED CONCRETE		5030	0.44%
PROPOSED BUILDING		8000	0.70%
PROPOSED STORMWATER MANAGEMENT FACILITY		0	0.00
TOTAL PROPOSED IMPERVIOUS AREA (INCLUDING SWMF)		211825	18.61%
TOTAL PROPOSED PERVIOUS AREA		926612	81.39%
PROPOSED PARKING LANDSCAPE AREA		644	0.06%
REQUIRED PARKING		PER COLUMBIA COUNTY LDRs 4.17.11.6 & 4.16.11.6: 1SPACE PER 500 SF OF FLOOR AREA. 8,000 SF/500 SF = 16 SPACES INCLUDING (1) ADA SPACE	
PROVIDED PARKING		16 SPACES	

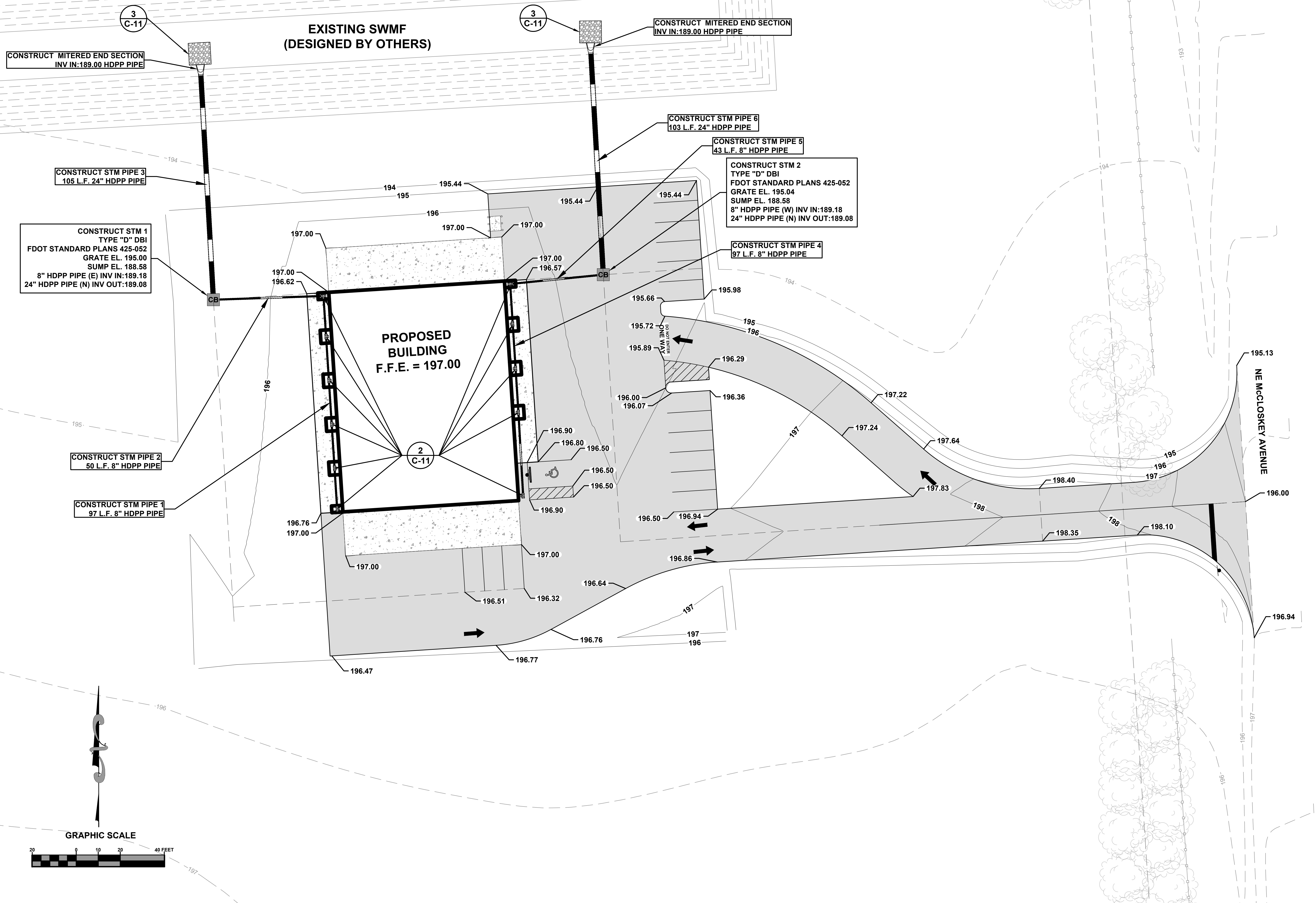


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Date Created: July 22, 2020 Date Last Saved: July 22, 2020
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Date Plotted: July 22, 2020
Plotted by: Josephine Costa



GRAPHIC SCALE



REVISIONS:

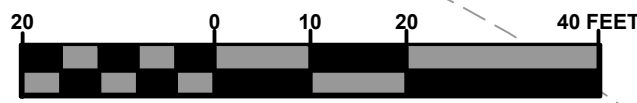
DESIGNED BY:	L200309MFI
DRAFTED BY:	JC
CHECKED BY:	TH
DATE:	03/20
ENGINEER OF RECORD:	GREGORY C. BAILEY
P.E. NO.:	43868

SHEET NO. **C-5**

STORMWATER & GRADING PLAN
MAYO FERTILIZER 2020 EXPANSION
COLUMBIA COUNTY, FLORIDA

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GRAPHIC SCALE



PROPOSED DRY FIRE HYDRANT
(LOCATED PER COLUMBIA
COUNTY FIRE STANDARDS)

EXISTING SWMF
(DESIGNED BY OTHERS)

PROPOSED
BUILDING
8,000 SF

EXISTING
SEWER
LINE

CONSTRUCT
SANITARY SERVICE LINE
@ MIN SLOPE 1/8" PER FOOT

CONSTRUCT
WATER SERVICE LINE

WATER WELL
(DESIGNED BY OTHERS)

SEPTIC AND DRAINAGE FIELD
(DESIGNED BY OTHERS)

NE McCLOSKEY AVENUE

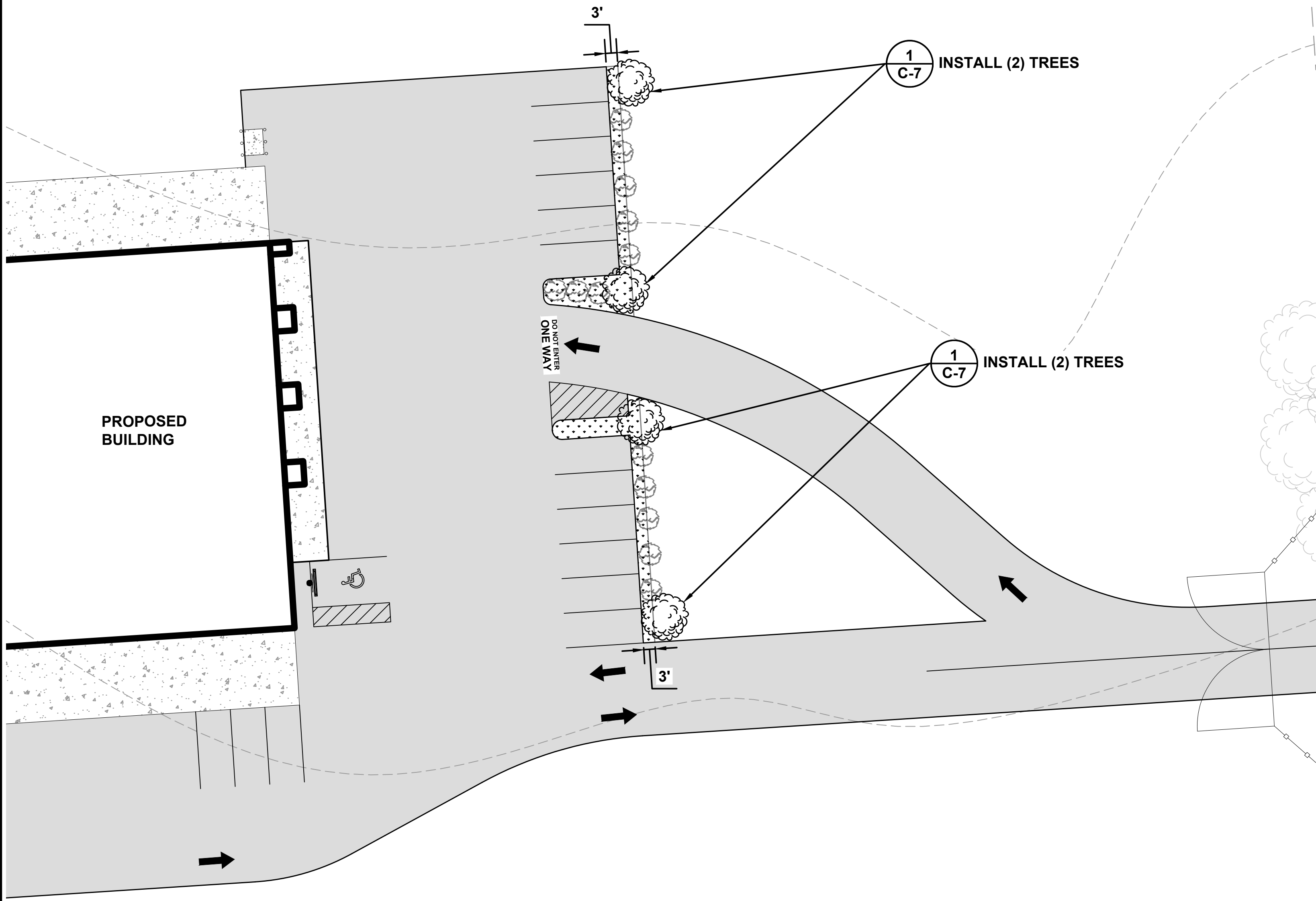
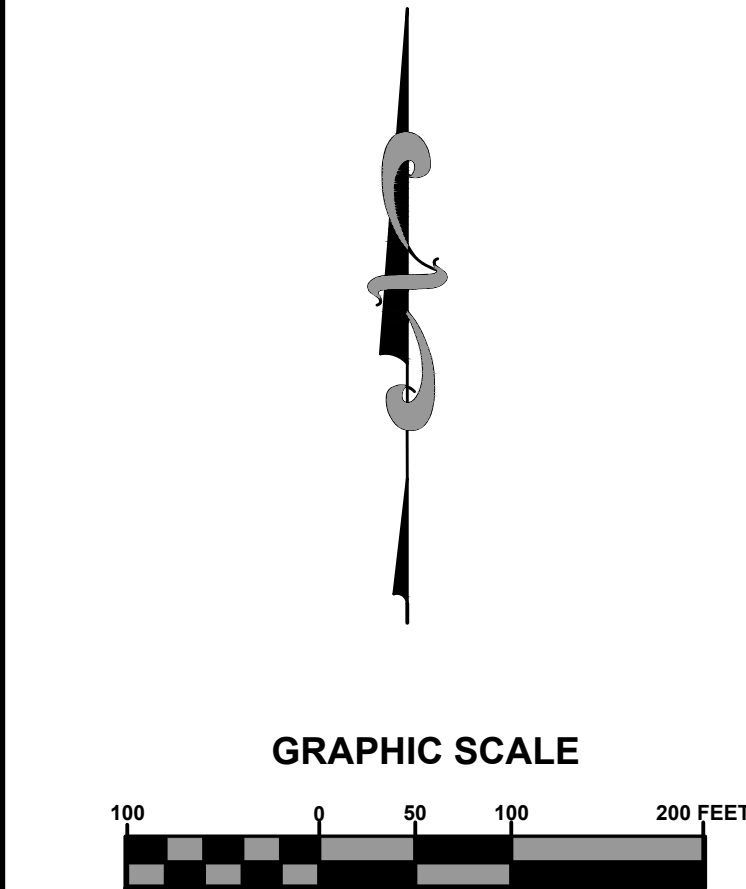
JOB NUMBER: L200309MFI	DESIGNED BY: RD	DRAFTED BY: JC	CHECKED BY: TH
DATE: 03/20	ENGINEER OF RECORD: GREGORY C. BAILEY	P.E. NO.: 43866	
SHEET NO. 6			

REVISIONS:

UTILITY PLAN
MAYO FERTILIZER 2020 EXPANSION
COLUMBIA COUNTY, FLORIDA

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TREE AND SHRUBBERY REQUIREMENTS				
MAP SYMBOL	COMMON NAME	SCIENTIFIC NAME	NO.	NOTES
	GRASS / SOD			
	DWARF AZALEAS / KNOCK OUT ROSE	RHODODENDRON ATLANTICUM / ROSA RADRAZZ	13	PLANT @ 10' O.C. UNLESS OTHERWISE IDENTIFIED (50 LANDSCAPE BUFFER)
	REDBUD	CERCIS CANADENSIS	4	8-10' HT. X 3-4' SPR., 2" CAL., 25 GAL., FLORIDA FANCY. PLANT @ 27' O.C. UNLESS OTHERWISE IDENTIFIED

LANDSCAPE REQUIREMENTS

COLUMBIA COUNTY LDR 4.2.17.10

LANDSCAPE
CALCULATION FOR REQUIRED LANDSCAPE AREA:
10% OF OFFSTREET PARKING PROVIDED

10% OF 4,840 SF OFFSTREET PARKING =
484 SF OF REQUIRED LANDSCAPE AREA

TOTAL LANDSCAPED AREA PROVIDED = 644 SF

TREES
CALCULATION FOR REQUIRED NUMBER OF TREES:
1 PER 200 SF OF REQUIRED LANDSCAPED AREA

644 SF / 200 SF = 3.22 TREES (4) REQUIRED

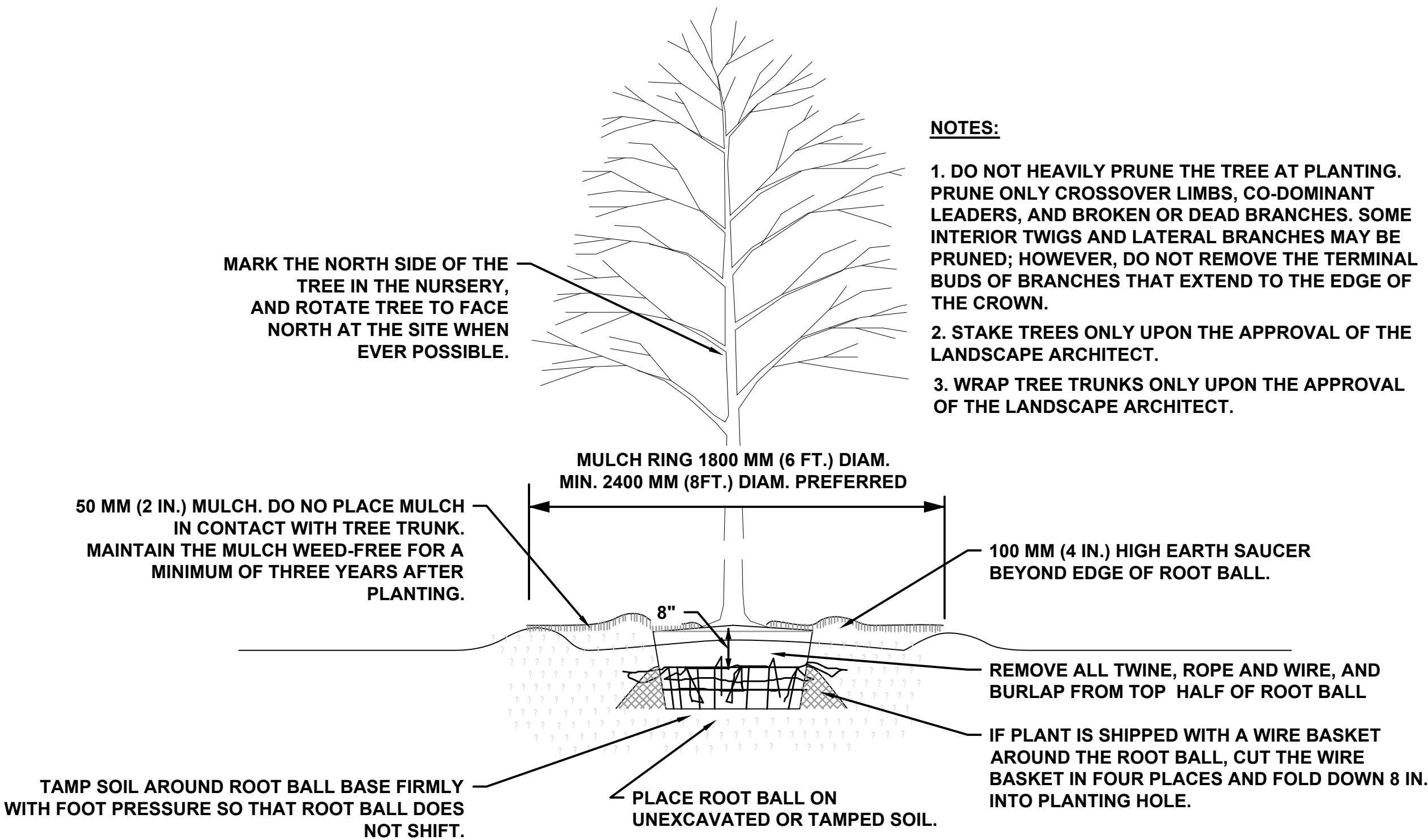
TOTAL NUMBER OF TREES PROVIDED = 4

COLUMBIA COUNTY LDR 4.2.13.2

SUBSTITUTION FOR LANDSCAPE BUFFER AREAS CAN BE A
6' HIGH MASONRY OR WOOD OPAQUE FENCE

COLUMBIA COUNTY LDR 4.13.10.1

REQUIRES A MINIMUM OF A 30' WIDE LANDSCAPE BUFFER
FOR THE REAR AND SIDE YARDS WHEN LOCATED
ADJACENT TO RESIDENTIAL DISTRICTS - NOT REQUIRED
FOR INDUSTRIAL ZONING.



1 C-7 TREE PLANTING DETAIL
SCALE: N.T.S.

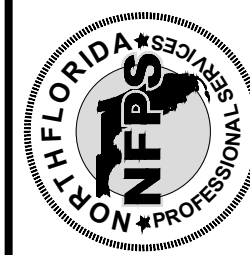
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JOB NUMBER: L200309MFI	DESIGNED BY: JC	CHECKED BY: TH
DATE: 03/20	ENGINEER OF RECORD: GREGORY G. BAILEY	P.E. NO.: 43666
SHEET NO. C-7		

LANDSCAPE PLAN
MAYO FERTILIZER 2020 EXPANSION
COLUMBIA COUNTY, FLORIDA

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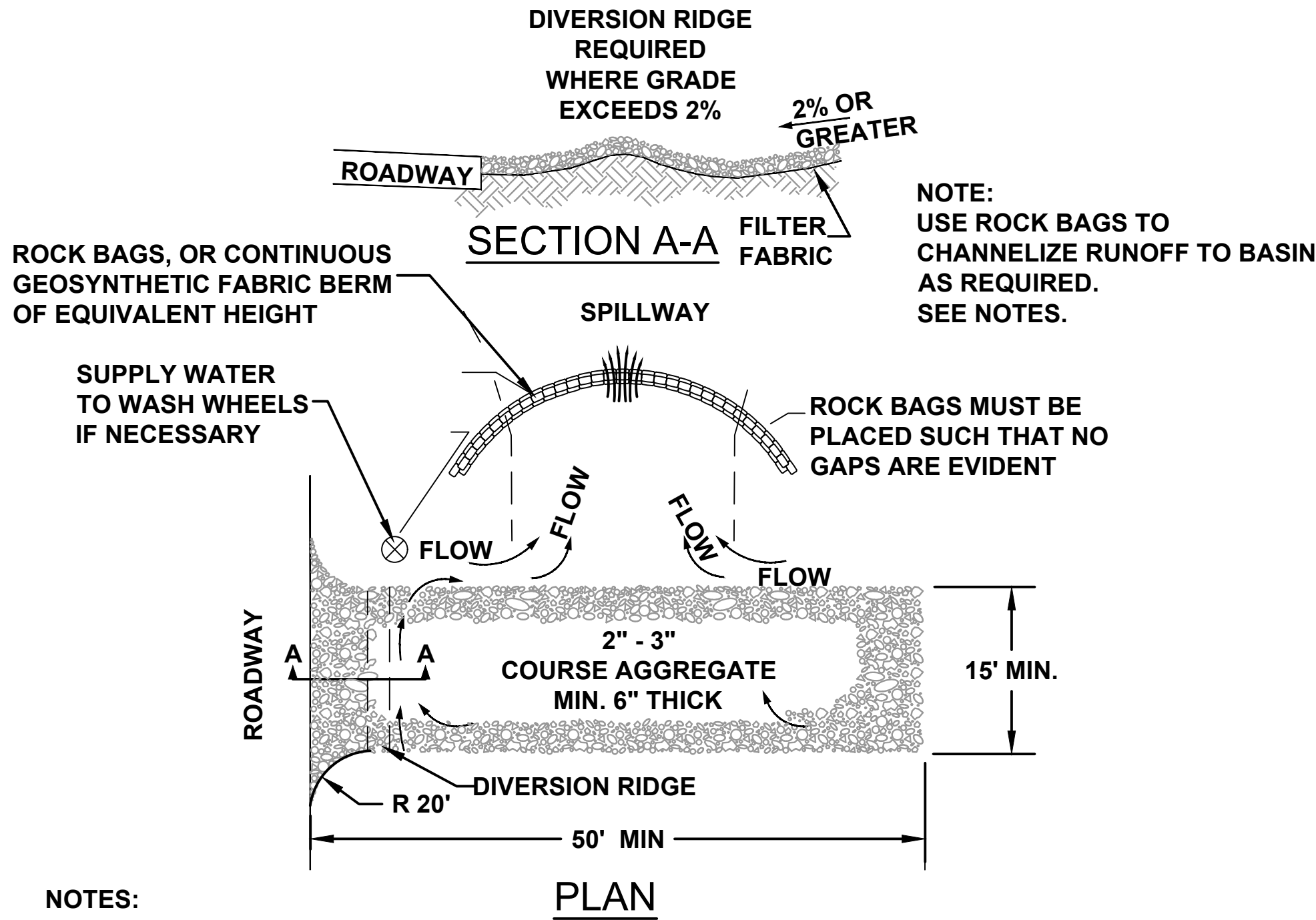


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EROSION CONTROL NOTES

1. THIS EROSION AND SEDIMENTATION CONTROL PLAN COMPLIES WITH THE REQUIREMENTS OF THE "FLORIDA DEVELOPMENT MANUAL" AND THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".
2. THE CONTRACTOR SHALL ADHERE TO COLUMBIA COUNTY, SRWMD, AND OTHER GOVERNING AUTHORITIES FOR EROSION AND SEDIMENT CONTROL REGULATIONS. IF THE CONTRACTOR NEEDS TO CHANGE THIS PLAN TO MORE EFFECTIVELY CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL USE BMP's FROM THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".
3. THE CONTRACTOR SHALL ADJUST AND REVISE THIS PLAN TO MEET ACTUAL FIELD CONDITIONS. ANY REVISIONS SHALL BE APPROVED BY THE REVIEWING AGENCIES.
4. SEDIMENT AND EROSION CONTROL FACILITIES, STORM DRAINAGE FACILITIES AND DETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
5. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL OF 0.5 INCHES OR GREATER, AND REPAIRED OR REPLACED AS NECESSARY.
6. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
7. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
8. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.
9. CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.
10. DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.
11. ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.
12. A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES AND COLLECTION PIPE OUTLETS. GRANITE OR LIMESTONE RIPRAP IS REQUIRED, NO BROKEN CONCRETE WILL BE ACCEPTED.
13. ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF SYNTHETIC BALES OR SODDING.
14. ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN AREAS OF THE JOB WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY STOPPED, BUT IN NO CASE SHALL THE DISTURBED AREA BE LEFT UNPROTECTED FOR MORE THAN SEVEN DAYS.
15. ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY CONTRACTOR.
16. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.
17. EXCESS DIRT SHALL BE REMOVED DAILY.
18. THIS PROJECT SHALL COMPLY WITH ALL WATER QUALITY STANDARDS. PERMIT REQUIRED FROM SRWMD HAS BEEN OBTAINED.
19. QUALIFIED PERSONNEL SHALL INSPECT THE AREA USED FOR STORAGE OF STOCKPILES, THE SILT FENCE AND STRAW BALES, THE LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE, AND THE DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.5 INCHES OR GREATER.
20. SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.

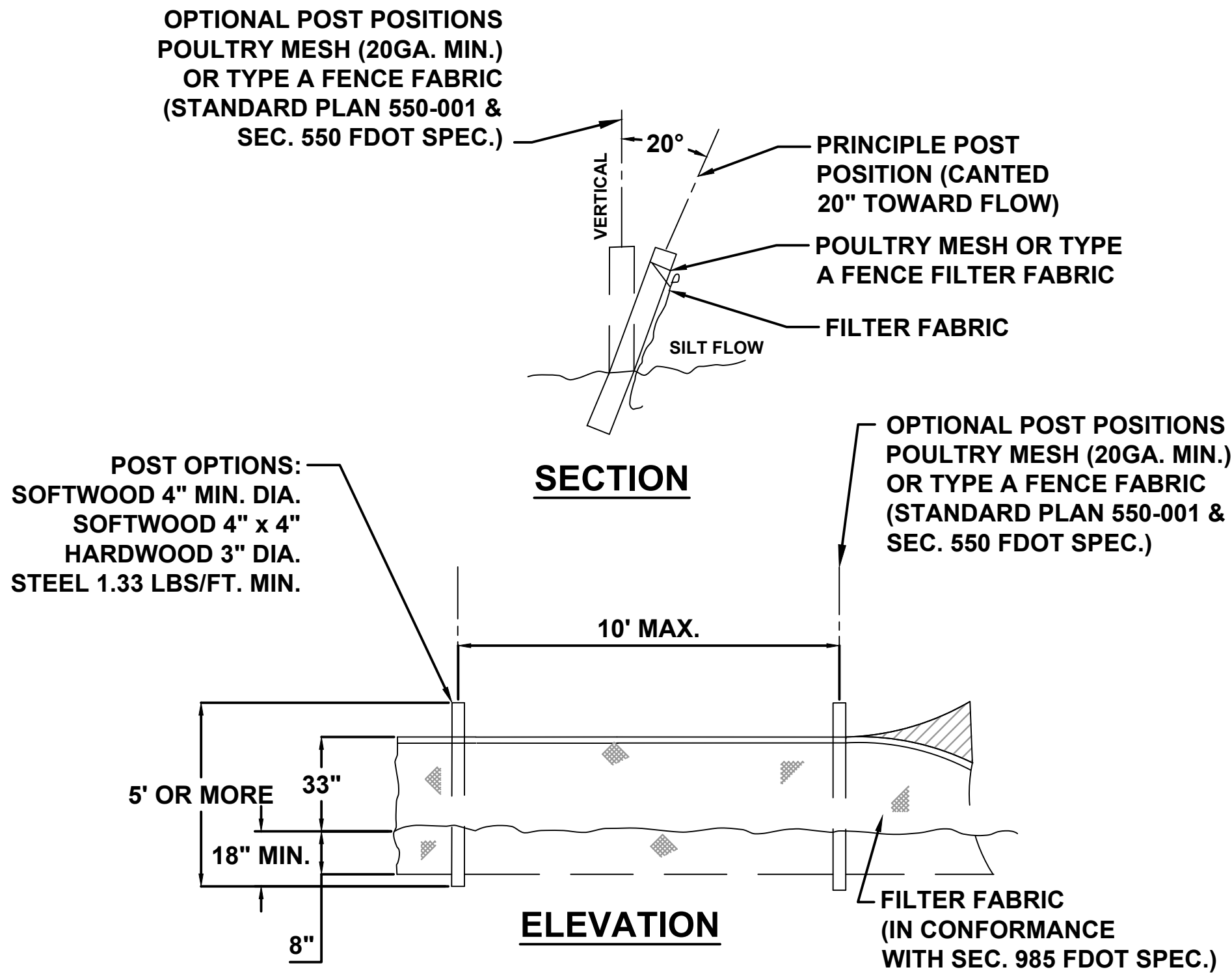


NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. ROCK BAGS OR SANDBAGS SHALL BE PLACED SUCH THAT NO GAPS ARE EVIDENT.

1 TEMPORARY CONSTRUCTION ENTRANCE

C-8 SCALE: N.T.S.



2 TYPE IV SILT FENCE

C-8 SCALE: N.T.S.

REVISIONS:

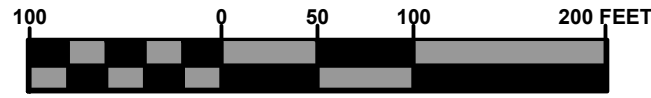
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DATE: 03/20	RD	TH
ENGINEER OF RECORD: GREGORY G. BAILEY		
P.E. NO.: 43658		
SHEET NO. C-8		

EROSION CONTROL NOTES & DETAILS

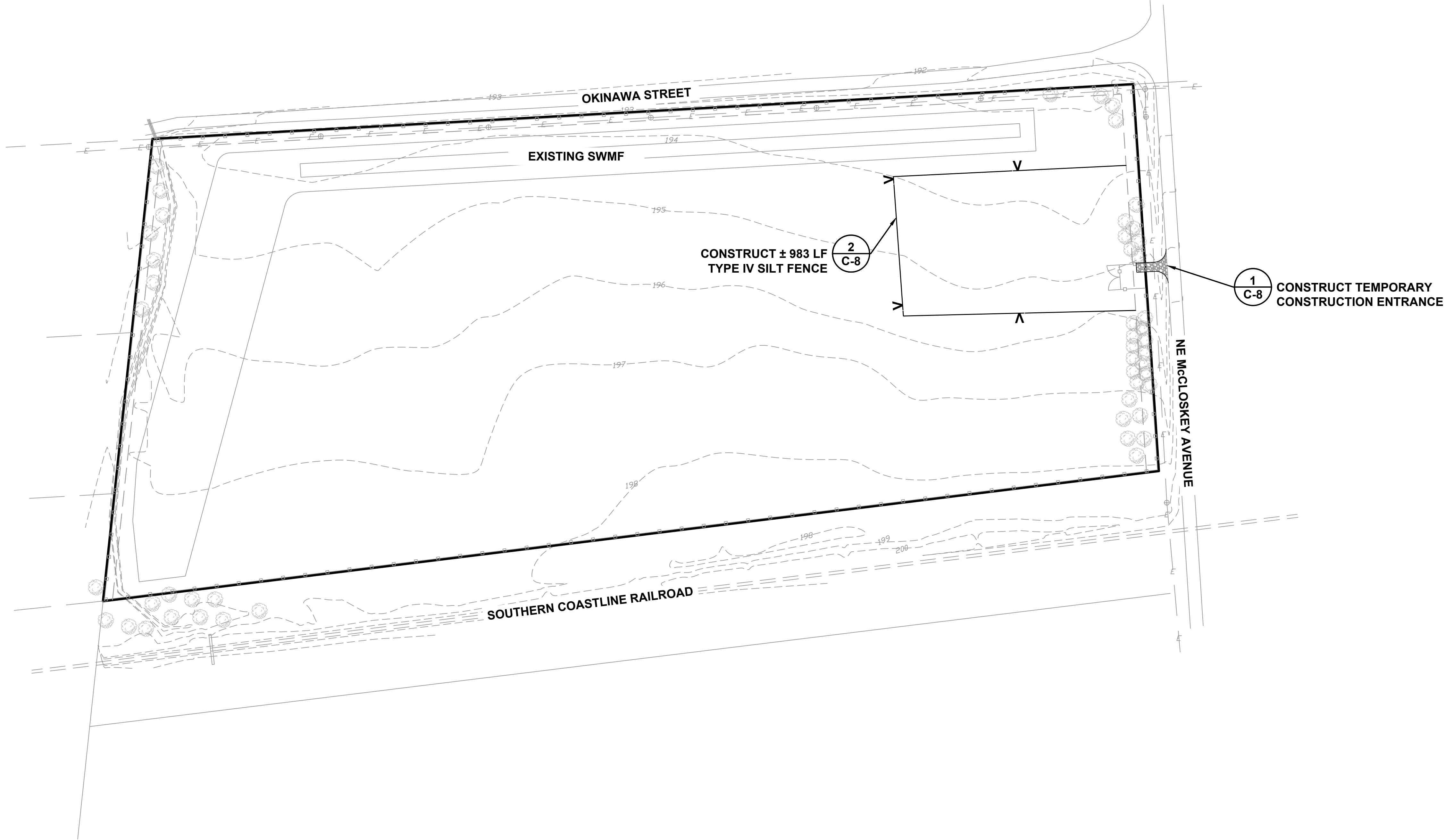
MAYO FERTILIZER 2020 EXPANSION
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GRAPHIC SCALE



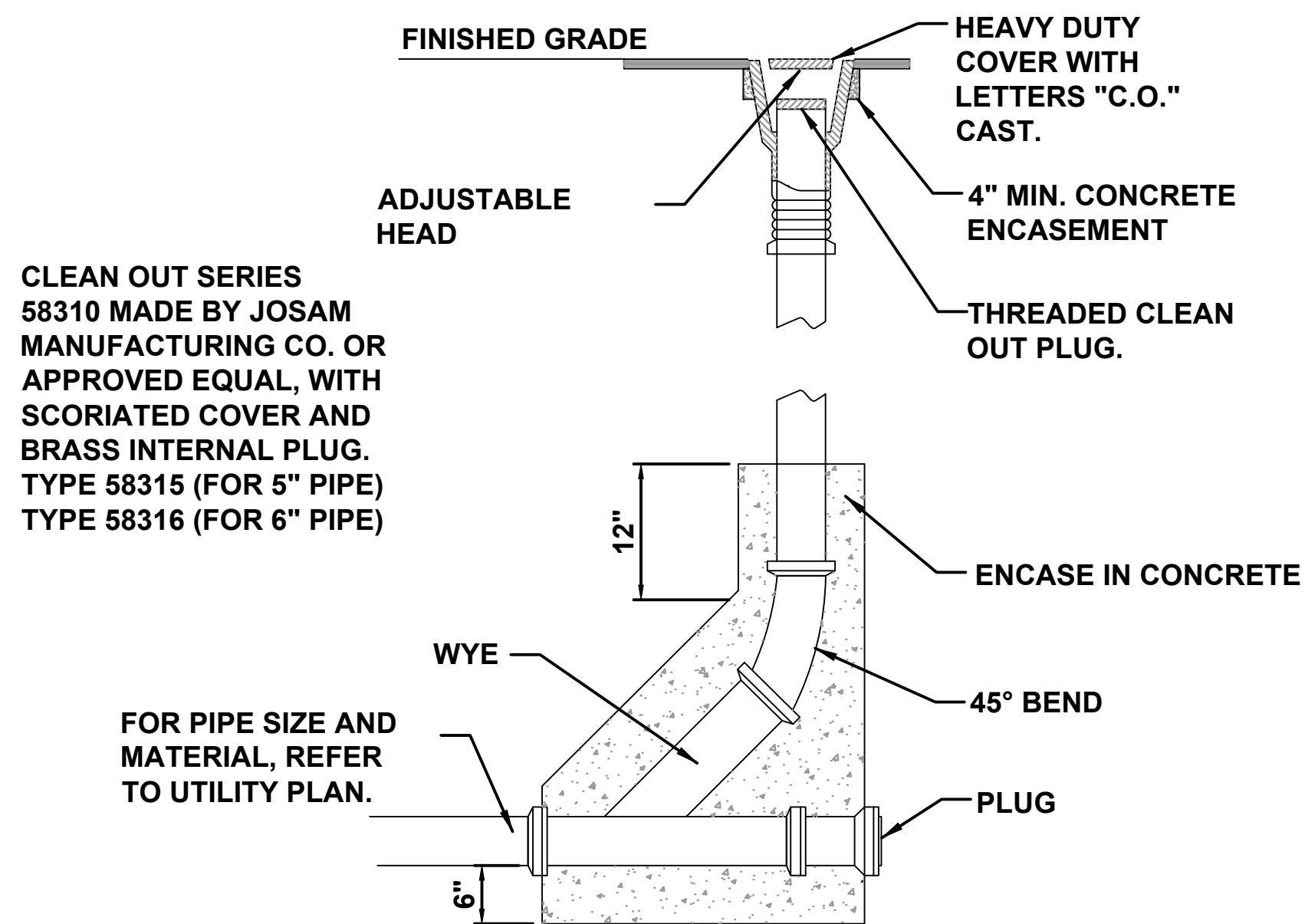
JOB NUMBER: L200309MFI		REVISIONS:	
DESIGNED BY:	DRAFTED BY:	CHECKED BY:	
RD	JC	TH	
ENGINEER OF RECORD:		P.E. NO.: 43858	
GREGORY G. BAILEY			
DATE: 03/20		SHEET NO.	
C-8		9	

EROSION CONTROL PLAN
MAYO FERTILIZER 2020 EXPANSION
COLUMBIA COUNTY, FLORIDA

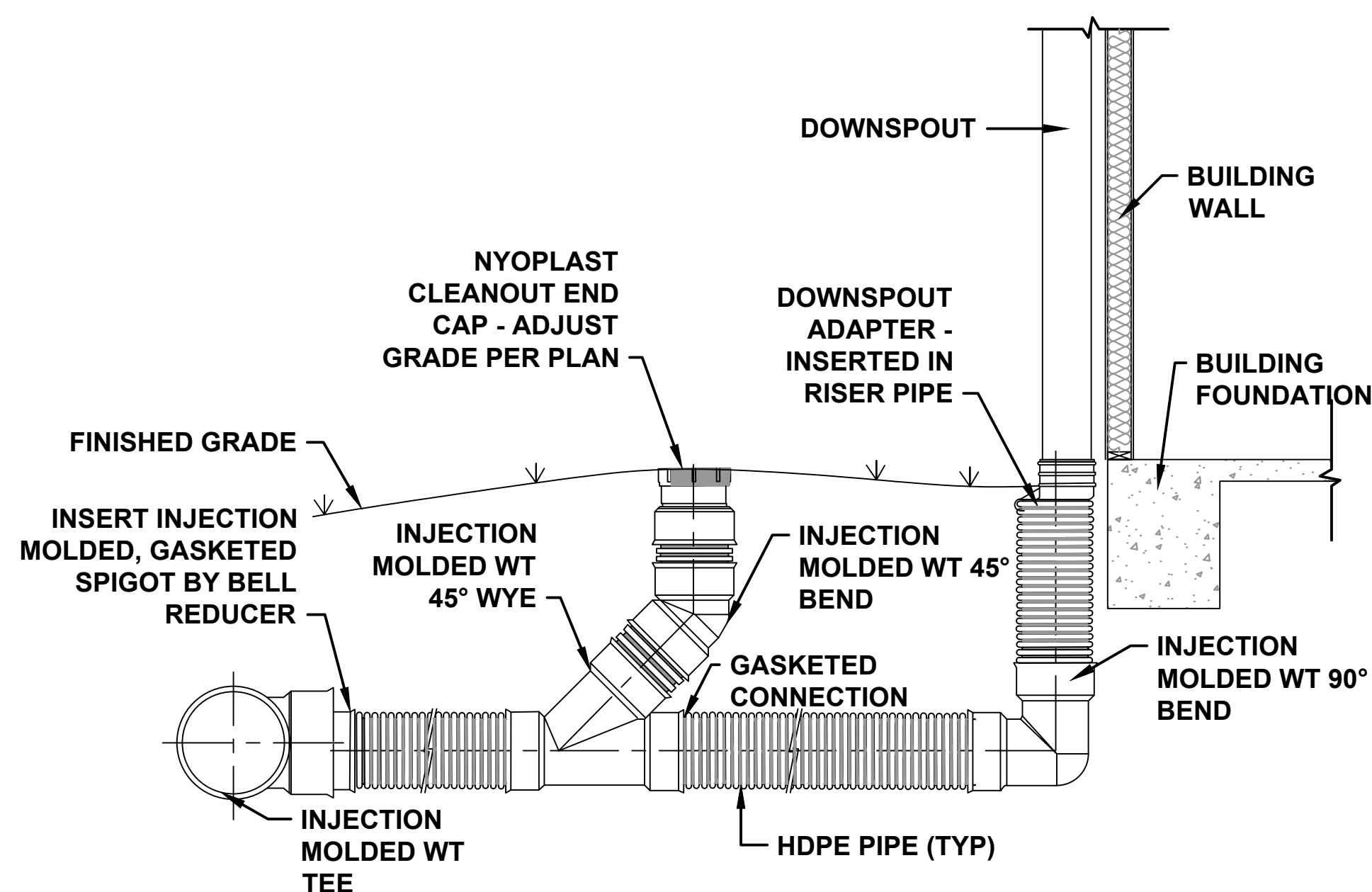
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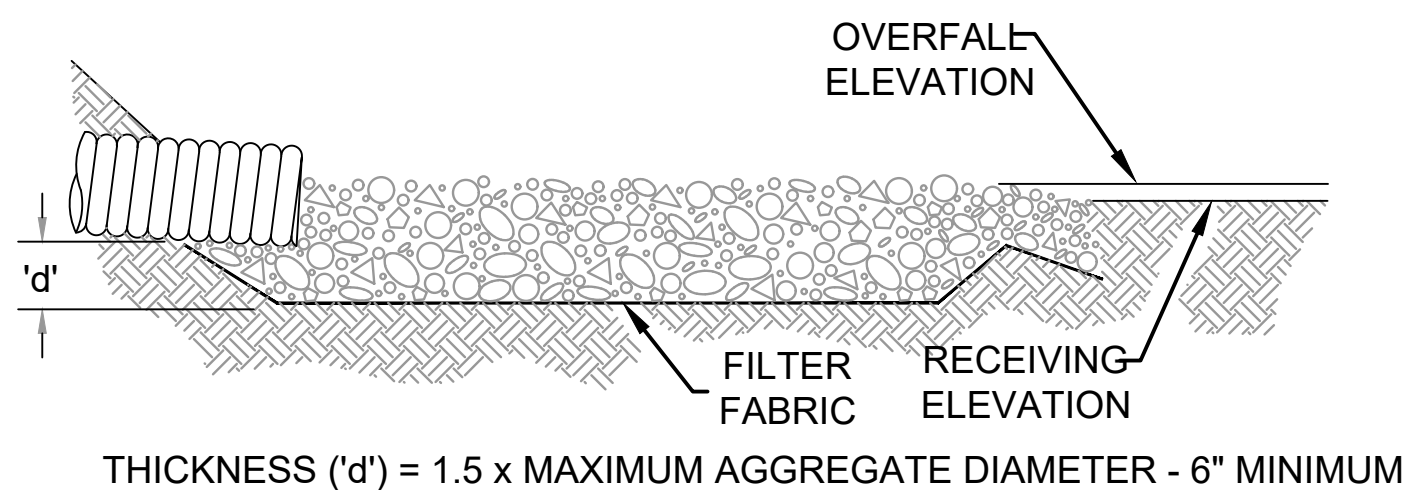




1
CLEANOUT DETAIL
C-11 SCALE: N.T.S.

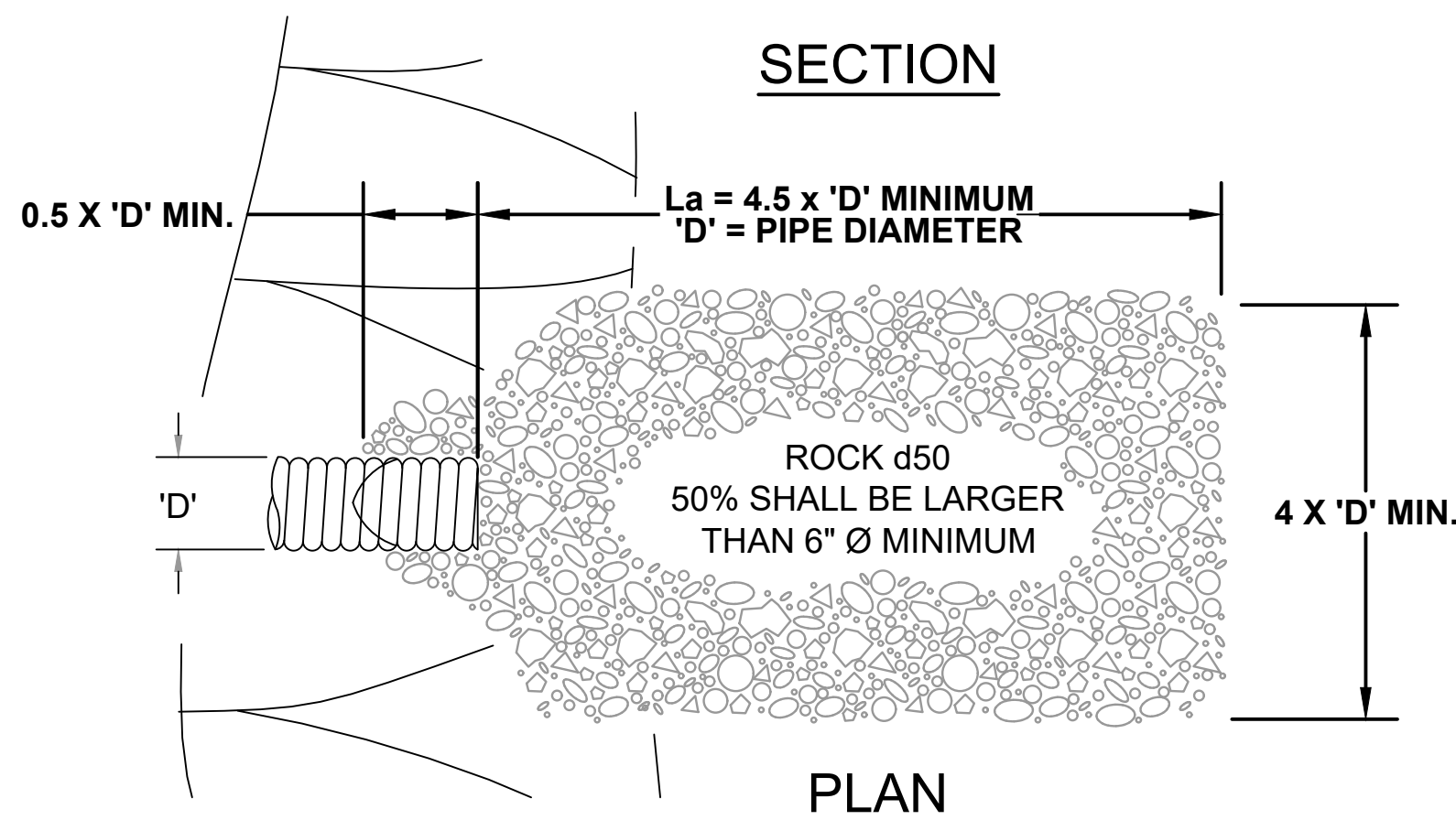


2
NYOPLAST DOWNSPOUT DETAIL
C-11 SCALE: N.T.S.



NOTES:

1. 'La' = LENGTH OF APRON. DISTANCE 'La' SHALL BE OF SUFFICIENT LENGTH TO DISSIPATE ENERGY.
2. APRON SHALL BE AT A ZERO GRADE AND ALIGNED STRAIGHT.
3. FILTER FABRIC SHALL EXTEND 6" PAST AGGREGATE LIMITS



3
ENERGY DISSIPATER DETAIL
C-11 SCALE: N.T.S.

REVISIONS:

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DATE: 03/20	RD	JC	TH
SHEET NO: C-11	ENGINEER OF RECORD: GREGORY G. BAILEY	P.E. NO.: 43868	

MISC. DETAILS
MAYO FERTILIZER 2020 EXPANSION
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