

RECEIVED
AUG 14 2018
1401 S. SUNSHINE ST. SUITE 417
SPRINGFIELD, MO

NOTE: PRIOR TO BEGINNING ANY SITE WORK & ORDERING OF MATERIALS, CONTRACTOR SHALL FIELD VERIFY ALL UTILITY STAGES OF CONSTRUCTION:

& DRAINAGE CONNECTIONS TO EXISTING SYSTEMS BY POT HOLING AND SHALL NOTIFY ENGINEER OF NEEDED CHANGES: FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR BEING RESPONSIBLE FOR ALL REVISION COSTS AND DELAYS.

EROSION CONTROL & MAINTENANCE PLAN NOTES:

1. RETAIN FLOATABLE WIND BLOWN MATERIALS ON SITE BY STORING ALL TRASH AND BUILDING MATERIAL WASTE IN ENCLOSURES UNTIL PROPER DISPOSAL AT OFF-SITE FACILITIES. CHECK ADJACENT AREAS DAILY AND PICK UP CONSTRUCTION WASTE MATERIALS AND DEBRIS THAT HAVE BLOWN OR WASHED OFF SITE.
2. PERMANENTLY STABILIZE ALL SURFACE AREA WITHIN AND ADJACENT TO THIS SITE THAT IS DISTURBED BY VEHICLES, GRADING AND OTHER CONSTRUCTION FOR THE PROPOSED FACILITY. STABILIZATION IS OBTAINED WHEN THE DISTURBED SURFACE IS COVERED WITH STRUCTURES, PAVING AND OR PERENNIAL VEGETATION HAVING A UNIFORM COVERAGE DENSITY OF AT LEAST 70%. STABILIZATION OF ALL DISTURBED AREA IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.
3. CONTRACTORS SHALL INSPECT POLLUTION CONTROL MEASURES AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 1/2 INCH OR GREATER. DAMAGED MEASURES THAT PROVE TO BE INEFFECTIVE SHALL BE REPLACED WITH MORE EFFECTIVE MEASURES OR ADDITIONAL MEASURES WITHIN SEVEN DAYS. REPEATED FAILURE OF A CONTROL MEASURE REQUIRES INSTALLATION OF A MORE SUITABLE DEVICE TO PREVENT DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE.
4. INSTALLATION OF ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE CITY OR STATE. CONTRACTOR TO VERIFY REQUIREMENTS PRIOR TO BEGINNING ANY WORK ON PROJECT SITE.
5. CARE SHALL BE TAKEN TO MINIMIZE THE ENCROACHMENT OF SEDIMENT INTO ALL STORM DRAIN APPURTENANCES, PUBLIC STREETS, AND ONTO PRIVATE PROPERTY UNTIL IMPERVIOUS MATERIAL (ROAD/PARKING AREA SURFACE) IS APPLIED OR UNTIL PROPOSED LANDSCAPE HAS BEEN ESTABLISHED.
6. REFER TO 3/C1.1 FOR SILT FENCE CONSTRUCTION.
7. ALL GRASS SLOPES WHICH EXCEED 3:1 (H:V) SHALL UTILIZE CONTECH CONSTRUCTION PRODUCTS PERMANENT TURF REINFORCEMENT MAT 450 OR APPROVED EQUAL. MAT'S SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH MANUFACTURER.

CONSTRUCTION EGRESS NOTES:

1. CONSTRUCTION EGRESS SHALL BE 20' MINIMUM WIDTH AND 30' MINIMUM LENGTH AND 6" MIN THICKNESS OF STONE (1.5"-3.5") COARSE AGGREGATE WITH GEOTEXTILE UNDERLINER. REFER TO THE CITY OR STATE FOR ANY ADDITIONAL REQUIREMENTS.
2. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURE USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
3. WHEELS MUST BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN LOCATED PER THE CITY OR STATE REQUIREMENTS.

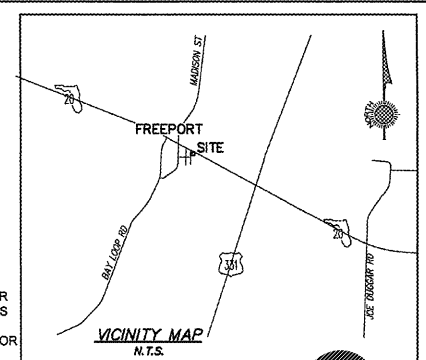
SITE EXCAVATION REQUIREMENTS:

1. A GEOTECHNICAL ANALYSIS HAS BEEN PERFORMED ON THIS SITE. REFER TO PROJECT MANUAL.
2. FOLLOW GEOTECHNICAL ANALYSIS RECOMMENDATION FOR SITE EXCAVATION.
3. REFER TO STRUCTURAL DRAWINGS FOR BUILDING EXCAVATION REQUIREMENTS.

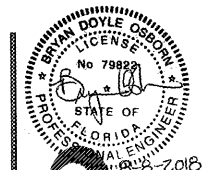
1. CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT OWNER WITH ANY CONFLICTS. MONTH 1
2. INSTALLATION OF CONSTRUCTION ENTRANCE. MONTH 1
3. INSTALLATION OF EROSION CONTROL FENCE. MONTH 1
4. DEMOLITION OF EXISTING SITE IMPROVEMENTS. MONTH 1
5. REMOVAL OF EXISTING PAVEMENT ON THE SITE. MONTH 1
6. INSTALLATION OF ALL STORM WATER DRAINAGE IMPROVEMENTS. MONTH 1
7. ROUGH GRADING. MONTH 1 & MONTH 2
8. CONSTRUCTION OF NEW SITE IMPROVEMENTS. MONTH 2
9. FINAL GRADING. MONTH 3
10. PLACEMENT OF FINAL LANDSCAPING ITEMS AND SOD. MONTH 3
11. REMOVAL OF EROSION CONTROL FENCE. MONTH 3

RIP-RAP NOTE:

HAND PLACE RIP-RAP IN ALL PLACES AS INDICATED ON THE PLAN. THE STONE FOR RIP-RAP SHALL CONSIST OF FIELD STONE OR ROUGH UNHEWN QUARRY STONE AS NEARLY AS UNIFORM, IN SECTION AS PRACTICAL. THE STONES SHALL BE DENSE, RESISTANT TO THE ACTION OF AIR AND WATER, AND SUITABLE IN ALL ASPECTS FOR THE PURPOSE INTENDED UNLESS OTHERWISE SPECIFIED. ALL STONES USED AS RIP-RAP SHALL WEIGH BETWEEN 30-150 POUNDS EACH, AND AT LEAST 60 PERCENT OF THE STONES SHALL WEIGH MORE THAN 100 POUNDS EACH. STONES SHALL BE A MINIMUM OF 6" IN DIAMETER AND PLACED A MINIMUM OF 18" BELOW FINISH GRADE.



ANDERSON ENGINEERING
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FLOOD ZONE:

ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS (FIRM), COMMUNITY PANEL NO. 12131C 0557G, EFFECTIVE DATE: SEPTEMBER 28, 2010. ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE X, AREAS DETERMINED TO BE OUTSIDE 1% ANNUAL CHANCE FLOODPLAIN.

GENERAL NOTES:

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- SITE CONDITIONS BASED UPON SURVEY SUBMITTED BY OWNER. FIELD VERIFY EXISTING CONDITIONS BY DETAILED SITE INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION.
- FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT PRIOR TO ESTABLISHING FINAL FINISH FLOOR ELEVATION.
- COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.

PIPES NOTES:

1. PIPE MATERIALS SHALL BE IN ACCORDANCE WITH AND AS APPROVED BY THE CITY OR APPLICABLE AUTHORITY. REINFORCED CONCRETE PIPE (RCP) AND HIGH DENSITY POLYETHYLENE (HDPE) MAY BE USED AS ALLOWED BY LOCAL GUIDELINES.
2. ALL PIPE IS TO BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS AND MEET COVER REQUIREMENTS PER THE MANUFACTURER.

2 HANDICAP PARKING DETAIL
C1.1 SCALE: 1/4" = 10'

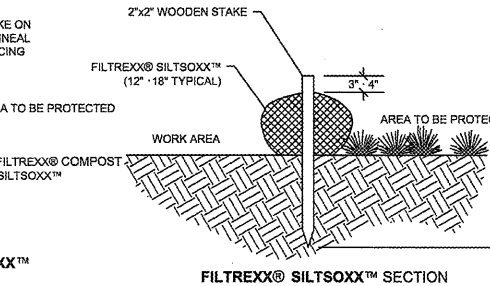
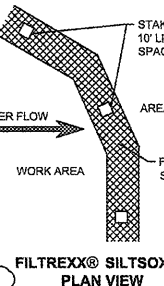
HANDICAP AREA TO BE ADA COMPLIANT. SLOPES SHALL NOT EXCEED 2.0% IN ANY DIRECTION IN THIS AREA.

KEYNOTES:

1. LINE FOR TEMPORARY EROSION CONTROL FENCE. REFER TO DETAIL 3/C1.1.
2. INSTALL CONSTRUCTION EGRESS PER NOTE.
3. INSTALL 100 LF OF 12" Ø DOWNSPOUT COLLECTOR PIPE WITH MES INSTALLED AT END OF PIPE. REFER TO DETAIL 1/C1.2.
4. INSTALL 4" X 4" CURB INLET. RIM = 22.1' INV = 19.9'. REFER TO DETAIL 2/C1.2.
5. INSTALL APPROX. 88 LF OF 18" PIPE WITH MES INSTALLED AT END OF PIPE PER FOOT STANDARD INDEX 273. REFER TO PIPE NOTES.
6. INSTALL 4" X 4" DETENTION OUTLET STRUCTURE. REFER TO DETAIL 3/C1.2.
7. 9" WIDE CURB CUT AND 6X6" ROCK RIP RAP PAD. REFER TO RIP RAP NOTE.
8. 6X6" ROCK RIP RAP PAD. REFER TO RIP RAP NOTE.
9. WET WATER QUALITY BASIN. PERMANENT POOL. ELEVATION = 19.5'. REFER TO DETAIL 4/C1.2 AND WET POND SEALING NOTES ON SHEET C1.2.
10. INSTALL APPROX. 14 LF OF 18" PIPE WITH MES INSTALLED AT END OF PIPE PER FOOT STANDARD INDEX 273. REFER TO PIPE NOTES.
11. REGULATED JURISDICTIONAL WETLAND COMPLEX AS IDENTIFIED BY WETLAND SCIENCES INCORPORATED'S SITE SPECIFIC SURVEY DATED AUGUST 9, 2016, ±1,149 SQUARE FEET. WETLAND FEATURES IS PROPOSED TO BE FILLED UPON RECEIVING REQUIRED NATIONWIDE 18 PERMITS FROM USACE. NO WORK SHALL BE DONE WITHIN THESE LIMITS UNTIL ALL PERMITS ARE SECURED AND CLEARANCE IS GIVEN BY THE ENGINEER.
12. INSTALL STOP SIGN PER FOOT STANDARD INDEX 11880 AND INSTALL STOP BAR PER FOOT STANDARD INDEX 17348.
13. INSTALL APPROX. 82 LF 18" PIPE. INSTALL MES AT EACH END OF PIPE PER FOOT STANDARD INDEX 273. LENGTH INCLUDES MES.
14. INSTALL DRIVEWAY PER DOT REQUIREMENTS. SEE FDOT NOTES ON THIS SHEET. REFER TO DOT STANDARD INDEX 515.
15. 6" WIDE SOLID DOUBLE YELLOW THERMOPLASTIC MARKING.
16. 6" WIDE SOLID WHITE THERMOPLASTIC MARKING.
17. 18" WIDE SOLID WHITE THERMOPLASTIC MARKINGS ANGLED AT 45 DEGREES AND SPACED EVERY 10 FEET.
18. CLEAR VISIBILITY TRIANGLE LIMIT. NOTHING BETWEEN THIS LINE AND THE STREET ALLOWED TO MATERIALLY IMPED VISION BETWEEN A HEIGHT OF 2 FEET AND 10 FEET ABOVE THE GRADE. REFER TO SIC1.2.
19. SAW CUT AND REMOVE PAVED SHOULDER AT DRIVEWAY AND REPLACE SUBGRADE AND BASE WITH FULL DEPTH PAVEMENT.
20. CROSS SLOPE OF THIS 9' WIDTH SHALL NOT EXCEED 5%.
21. PROPOSED CONCRETE SIDEWALK. SEE DETAILS ON SHEET C2.2.

FDOT NOTES:

1. ALL WORK IN THE RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE 2016/2017 ROADWAY AND TRAFFIC DESIGN STANDARDS, THE 2016 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE PLANS PREPARATION MANUAL (PPM), AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. ALL LANES MUST BE REOPENED TO TRAFFIC WITHIN 12 HOURS AFTER RECEIVING NOTIFICATION OF A HURRICANE EVACUATION OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE PERMITS MANAGER.
3. ENGINEER MUST SCHEDULE AND HAVE AN ON-SITE PRE-CONSTRUCTION MEETING (WITH REPRESENTATIVES FROM THE ENGINEERING FIRM, FDOT, TESTING LABORATORY, PAVING CONTRACTOR, AND ANY OTHER INTERESTED PARTY PRESENT).
4. CONTRACTOR MUST SUBMIT A QUALITY CONTROL (QC) PLAN AT THE PRE-CONSTRUCTION MEETING. THIS QC PLAN MUST BE APPROVED BY FDOT BEFORE THE CONTRACTOR BEGINS WORK. TESTING MUST BE DONE BY AN FDOT CERTIFIED LABORATORY. ALL TEST RESULTS WILL BE REQUIRED TO BE SUBMITTED WITH THE ENGINEER'S CERTIFICATION.
5. SOD AREAS WITHIN 32' OF PAVEMENT AND SLOPES GREATER THAN 1:3. OTHER DISTURBED AREAS MAY BE REPAIRED BY SEEDING OR HYDROSEEDING. SEE SPEC 570.
6. ALL STRIPING WITHIN FDOT RIGHT-OF-WAY SHALL BE THERMOPLASTIC.



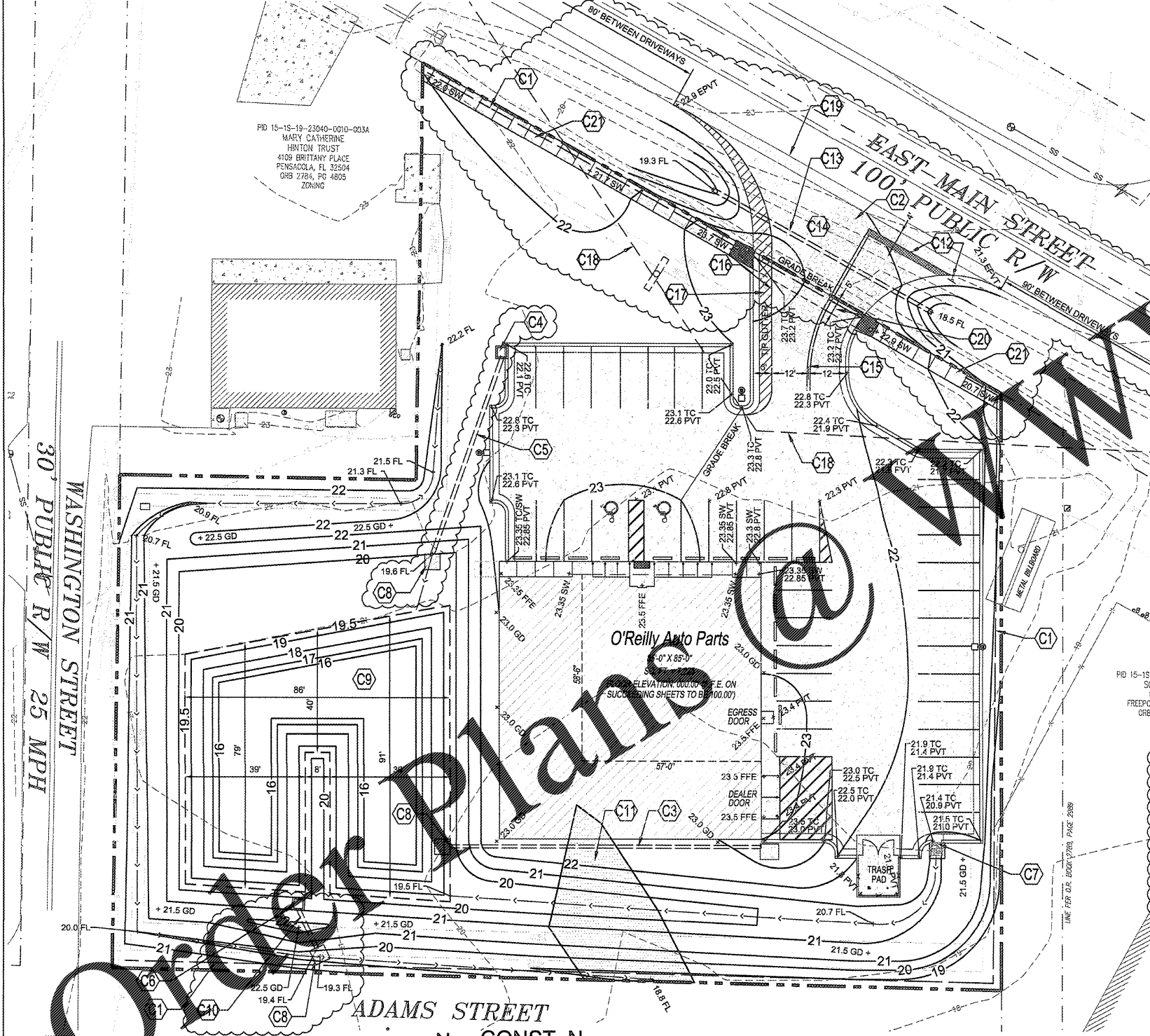
- NOTE:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS OR APPROVED EQUAL.
 2. SILTSOXX™ COMPOST/SILUROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
 3. SILTSOXX™ DEPICATED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE MANUFACTURER SPECIFICATIONS.
 4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

3 FILTREXX SILTSOXX™
C1.1 SCALE: NOT TO SCALE

SPECIAL NOTE:
CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING PAVEMENT AT DRIVEWAY ENTRANCES. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.

SYMBOLS LEGEND

REFER TO SURVEY (SV1) FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.			
---	EXISTING GRADE LINES		
---	PROPOSED NEW GRADE LINES		
[Hatched Box]	NEW BUILDING CONSTRUCTION		
[Dashed Box]	NEW MONUMENT SIGN		
[Solid Box]	NEW CONCRETE PAVING BLOCK		
---	TEMPORARY EROSION CONTROL FENCE		
---	SURFACE FLOW ARROW		
		NEW SPOT ELEVATIONS LIST	ABBREVIATION
		GRADE	NONE
		SIDEWALK	SW
		TOP OF WALL	TW
		TOP OF CURB	TC
		TOP OF PAVEMENT	PVT
		NEW GRADE	GD
		CONCRETE	CONC
		EXISTING TOP OF CURB	ETC
		EXISTING GRADE	EGD
		EXISTING PAVEMENT	EPVT
		EXISTING SIDEWALK	ESW
		FLOW LINE	FL
		TOP OF BERM	TOP
		BENCHMARK	
		1. RAILROAD SPIKE IN UTILITY POLE AT THE NORTHEAST CORNER OF SUBJECT PROPERTY. ELEVATION = 22.52'	
		2. NAIL & WASHER IN UTILITY POLE (PRI LB 7197) LOCATED NEAR THE SOUTHWEST CORNER OF SUBJECT PROPERTY. ELEVATION = 22.37'	



1 SITE GRADING PLAN
C1.1 SCALE: 1" = 20.0'

SPECIAL NOTE:
FIELD VERIFY SANITARY SEWER CONNECTION INVERT PRIOR TO ESTABLISHING FINAL FINISH FLOOR ELEVATION. REFER TO SITE UTILITIES PLAN.

GRAPHIC SCALE - FEET

0 20 40 60

PROJECT:
O'Reilly AUTO PARTS
EAST MAIN STREET
FREEPORT, FL
SITE GRADING PLAN

O'Reilly AUTO PARTS
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COMM # 3924
DATE: 09-16-16
REVISION
DATE: 8-8-18

C1.1