

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

- 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.
- 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 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.
- 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.
- 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.
- CARE SHALL BE TAKEN TO MINIMIZE THE ENCROACHMENT OF SEDIMENT INTO ALL STORM DRAIN APERTURES, PUBLIC STREETS, AND ONTO PRIVATE PROPERTY UNTIL IMPERVIOUS MATERIAL (ROAD/PARKING AREA SURFACE) IS APPLIED OR UNTIL PROPOSED LANDSCAPE HAS BEEN ESTABLISHED.
- REFER TO 2014 FOR SILT FENCE CONSTRUCTION.
- ALL GRASS SLOPES OF 3:1 (H:V) OR GREATER SHALL UTILIZE CONTECH CONSTRUCTION PRODUCTS PERMANENT TURF REINFORCEMENT MAT 450 OR APPROVED EQUAL. MATS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH MANUFACTURER.

PIPE NOTES:

- 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.
- ALL PIPE IS TO BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS AND MEET COVER REQUIREMENTS PER THE MANUFACTURER.

STAGES OF CONSTRUCTION:

- 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
- INSTALLATION OF CONSTRUCTION ENTRANCE. MONTH 1
- INSTALLATION OF EROSION CONTROL FENCE. MONTH 1
- DEMOLITION OF EXISTING SITE IMPROVEMENTS. MONTH 1
- REMOVAL OF EXISTING PAVEMENT ON THE SITE. MONTH 1
- INSTALLATION OF ALL STORM WATER DRAINAGE IMPROVEMENTS. MONTH 1
- ROUGH GRADING. MONTH 1 & MONTH 2
- CONSTRUCTION OF NEW SITE IMPROVEMENTS. MONTH 2
- FINAL GRADING. MONTH 3
- PLACEMENT OF FINAL LANDSCAPING ITEMS AND SOIL. MONTH 3
- REMOVAL OF EROSION CONTROL FENCE. MONTH 3

CONSTRUCTION EGRESS NOTES:

- CONSTRUCTION EGRESS SHALL BE 20" MINIMUM WIDTH AND 50" MINIMUM LENGTH AND 6" MIN THICKNESS OF STONE (1.5-3.0") COARSE AGGREGATE WITH GEOTEXTILE UNDERLIER. REFER TO THE CITY OR STATE FOR ANY ADDITIONAL REQUIREMENTS.
- THE EGRESS 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 1.5-3.0 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.
- 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.

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.

SITE EXCAVATION REQUIREMENTS:

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

STORM WATER RUNOFF CALCULATIONS:

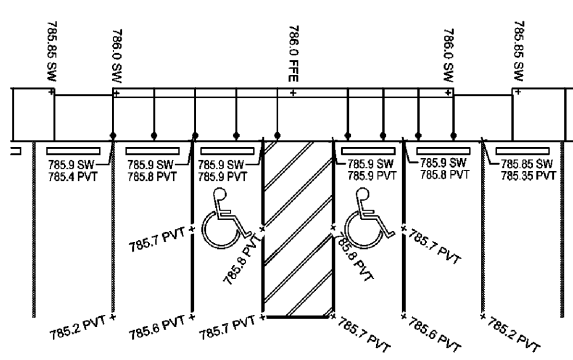
TOTAL PROPERTY AREA = 1.32 ACRES
 TOTAL DISTURBED AREA = 1.02 ACRES > 1.0 ACRES THEREFORE A NOI IS REQUIRED.
 STORMWATER IS COLLECTED AND DISCHARGED TO THE STORMWATER SYSTEM ALONG HIGHWAY 71 PER DOT & COUNTY REQUIREMENTS. REFER TO THE STORMWATER REPORT PREPARED BY ANDERSON ENGINEERING FOR MORE INFORMATION.

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 LINEHIM 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 90 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.

KEY NOTES:

- C1 HANDICAP PARKING AREA SEE DETAIL 201.1
- C2 INSTALL 645 SF OF PERVIOUS PAVERS AS SHOWN. BOTTOM OF STONE=780.8' REFER TO DETAIL 201.11.
- C3 INSTALL 795 SF OF PERVIOUS PAVERS AS SHOWN. BOTTOM OF STONE=780.8' REFER TO DETAIL 201.11.
- C4 INSTALL 645 SF OF PERVIOUS PAVERS AS SHOWN. BOTTOM OF STONE=780.8' REFER TO DETAIL 201.11.
- C5 INSTALL 645 SF OF PERVIOUS PAVERS AS SHOWN. BOTTOM OF STONE=780.8' REFER TO DETAIL 201.11.
- C6 INSTALL 4'X4' AREA INLET AS SHOWN. RIM=782.5' INV=775.4' REFER TO DETAIL 301.2
- C7 INSTALL 12 LF OF 12" PIPE WITH FES AND DAYLIGHT @ INV=780.1' AS SHOWN. REFER TO PIPE NOTES.
- C8 INSTALL RIP RAP PAD PER DETAIL 701.2. REFER TO RIP RAP NOTES.
- C9 INSTALL 30 LF OF TRENCH DRAIN AS SHOWN. REFER TO DETAIL 601.2.
- C10 INSTALL 24 LF OF 12" PIPE AS SHOWN. REFER TO PIPE NOTES.
- C11 INSTALL 4'X4' AREA INLET AS SHOWN. RIM=782.7' INV=775.1' REFER TO DETAIL 301.2
- C12 INSTALL 13 LF OF 18" PIPE FROM C11 TO C13. COORDINATE INSTALLATION WITH PAVEMENT UNDERDRAIN. REFER TO DETAILS 301.2, 401.2, AND 501.2. REFER TO PIPE NOTES.
- C13 INSTALL 4'X4' AREA INLET AS SHOWN. RIM=782.5' INV=775.4' REFER TO DETAIL 301.2
- C14 INSTALL 34 LF OF 18" PIPE AS SHOWN. REFER TO PIPE NOTES.
- C15 INSTALL YARD INLET / DETENTION OUTLET STRUCTURE AS SHOWN. REFER TO DETAIL 201.2.
- C16 INSTALL 186 LF OF 18" PIPE WITH FES AND DAYLIGHT @ INV=776.2' AS SHOWN. REFER TO PIPE NOTES.
- C17 INSTALL 20 LF OF 18" PIPE PER GDOT STANDARDS AS SHOWN. CONNECT TO INLET @ INV=775.0'. REFER TO PIPE NOTES.
- C18 INSTALL 8" @ NYLOPLAST WITH TRAFFIC RATED TOP OR APPROVED EQUAL. REFER TO DETAIL 101.11
- C19 INSTALL 3" WIDE CURB CUT.
- C20 PROPOSED DETENTION EASEMENT.
- C21 PROPOSED 20' WIDE ACCESS/MAINTENANCE EASEMENT.



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

EROSION CONTROL CERTIFICATION:

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 DIRECT SUPERVISION.

Clayton T. Halgerson
 0000089429 / 10-18-2022
 LEVEL II CERTIFICATION / EXPIRATION DATE

SPECIAL NOTE: PERIMETER CONTROLS AND CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.

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

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

ANDERSON ENGINEERING
 EMPLOYEE OWNED
 ENGINEERS • SURVEYORS • LABORATORIES • DRILLING
 3213 S WEST BAYPASS • SPRINGFIELD, MISSOURI 65807 • PHONE (417) 866-2741
 ANDERSON COMMUNICATIONS • AARFON T. HARGRAVE PERM4572 REVISIONS

PROJ # 19SP10221
 DRAWING # 11-08-20

CRAIG A. SCHNEIDER, AIA
 ARCHITECT
 1736 East Sunshine, Suite 417
 Springfield, Missouri 65884
 417.862.6558
 Fax: 417.862.3265
 e-mail: architect@cestytschneider.com

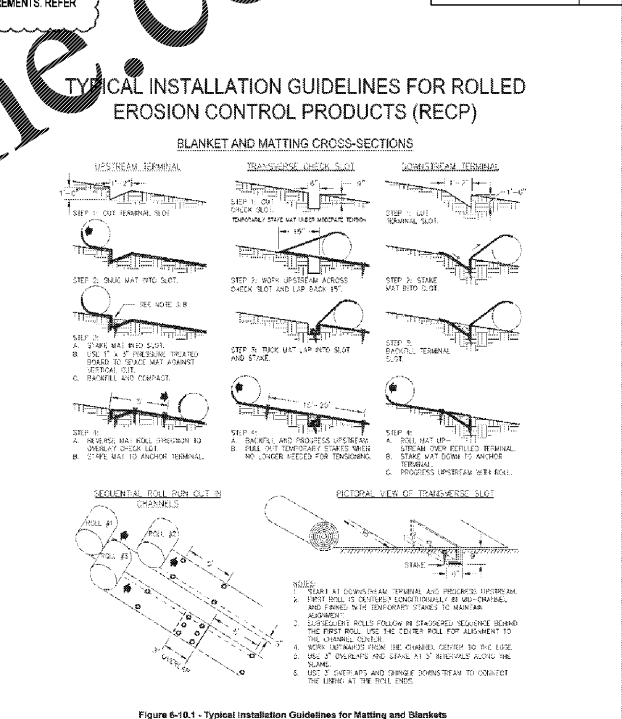
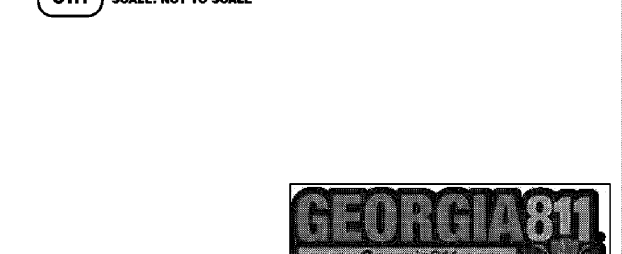
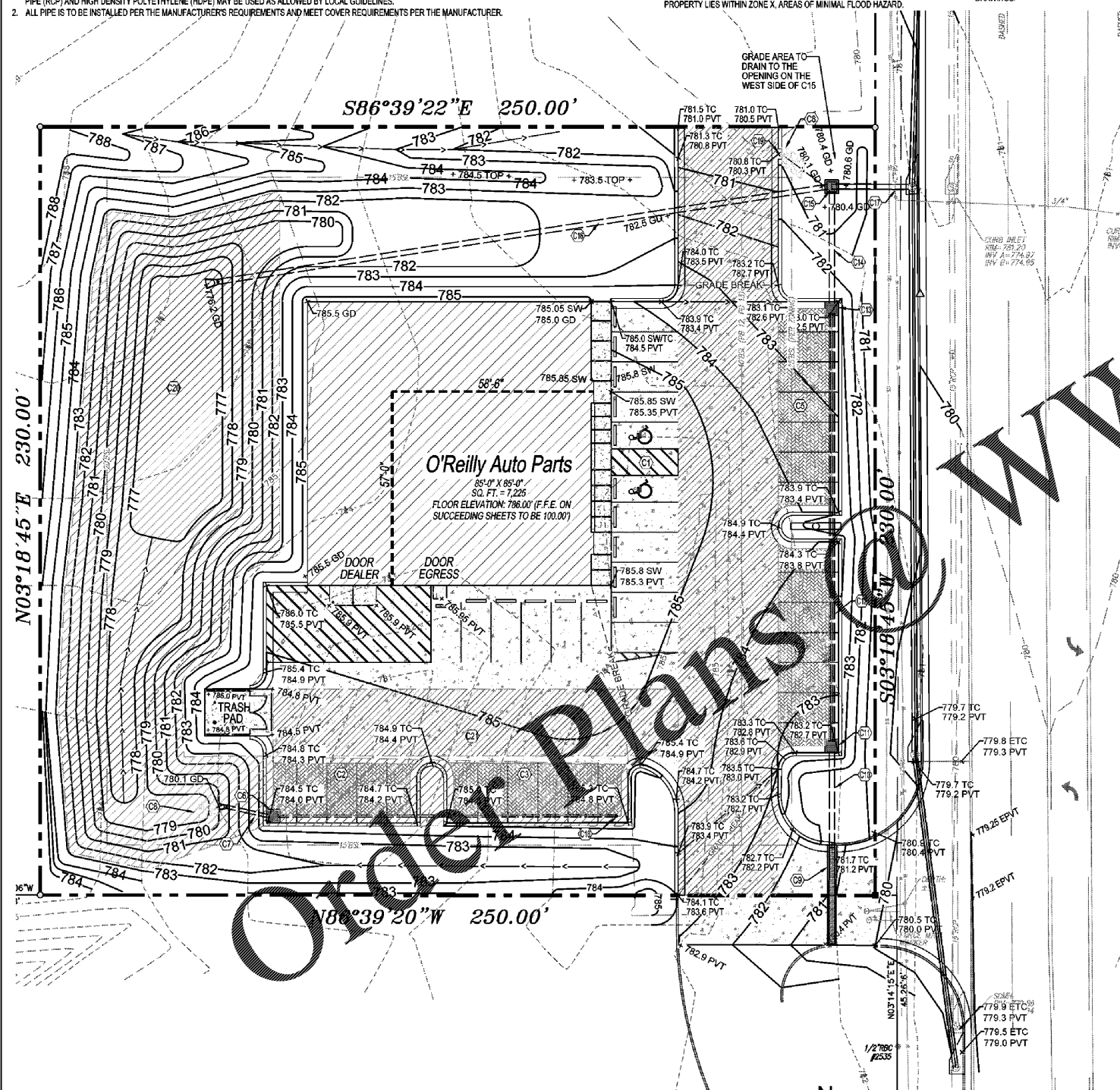


Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets

3 SLOPE STABILIZATION
 C1.1 SCALE: NOT TO SCALE



SYMBOLS LEGEND		REFER TO SURVEY (SW) FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.	
	EXISTING GRADE LINES		NEW SPOT ELEVATIONS
	PROPOSED NEW GRADE LINES		LIST GRADE
	NEW BUILDING CONSTRUCTION		TOP OF WALL
	NEW PERVIOUS PAVERS		TOP OF CURB
	NEW SIGN		TOP OF PAVEMENT
	NEW CONCRETE PAVING BLOCK		NEW GRADE CONCRETE
	TEMPORARY EROSION CONTROL FENCE		EXISTING GRADE
	SURFACE FLOW ARROW		EXISTING PAVEMENT
			EXISTING SIDEWALK
			FLOW LINE
			TOP OF BERM
			PROJECT BENCHMARKS
			CITY STATE BOLT
			NAIL & WASHER



1 SITE GRADING PLAN
 C1.1 SCALE: 1" = 20'-0"

GRAPHIC SCALE - FEET

SPECIAL NOTE: PERIMETER CONTROLS AND CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.

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

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

GEORGIA 811
 www.Georgia811.com

O'Reilly AUTO PARTS
 CORPORATE OFFICES
 233 SOUTH PATTERSON
 SPRINGFIELD, MISSOURI 65802
 (417) 862-2674 TELEPHONE

PROJECT:
 NEW O'REILLY AUTO PARTS STORE
 CLEVELAND HIGHWAY
 VARNELL, GA
 SITE GRADING PLAN

COMM # 4420
 DATE: 2-28-2020
 REVISION DATE: 4-10-2020
 7-20-2020
 9-16-2020
 11-03-2020

C1.1