

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 APERTURES, 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 4/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. MATS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH MANUFACTURER.

PIPE NOTES:

1. THE APPROVED PIPE MATERIALS ARE HIGH DENSITY POLYETHYLENE PIPE (HDPE), CORRUGATED METAL PIPE (CMP), AND REINFORCED CONCRETE PIPE (RCP). ANY PIPE ALTERNATES WILL REQUIRE OWNER APPROVAL.
2. ALL PIPE IS TO BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS AND MEET COVER REQUIREMENTS PER THE MANUFACTURER.
3. ALL PIPE SHALL BE MIN. HS-20 LOADING AND MEET ALL APPLICABLE ASTM STANDARDS.
4. ALL PIPES SHALL HAVE A MINIMUM MANNING'S ROUGHNESS COEFFICIENT, n=0.13.

CONSTRUCTION EGRESS NOTES:

1. CONSTRUCTION EGRESS SHALL BE 2' MINIMUM WIDTH AND 30' MINIMUM LENGTH AND 6" MIN THICKNESS OF STONE (1.5"-3.5") COARSE AGGREGATE WITH GEOTEXTILE UNDERLIER. 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.

FLOOD ZONE:

ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS (FIRM), COMMUNITY PANEL NO. 0109020412C, EFFECTIVE DATE: OCTOBER 19, 2010. ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE X, AREAS OF MINIMAL FLOOD HAZARD.

SITE EXCAVATION REQUIREMENTS:

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

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 9" IN DIAMETER AND PLACED A MINIMUM OF 18" BELOW FINISH GRADE.

GENERAL NOTES:

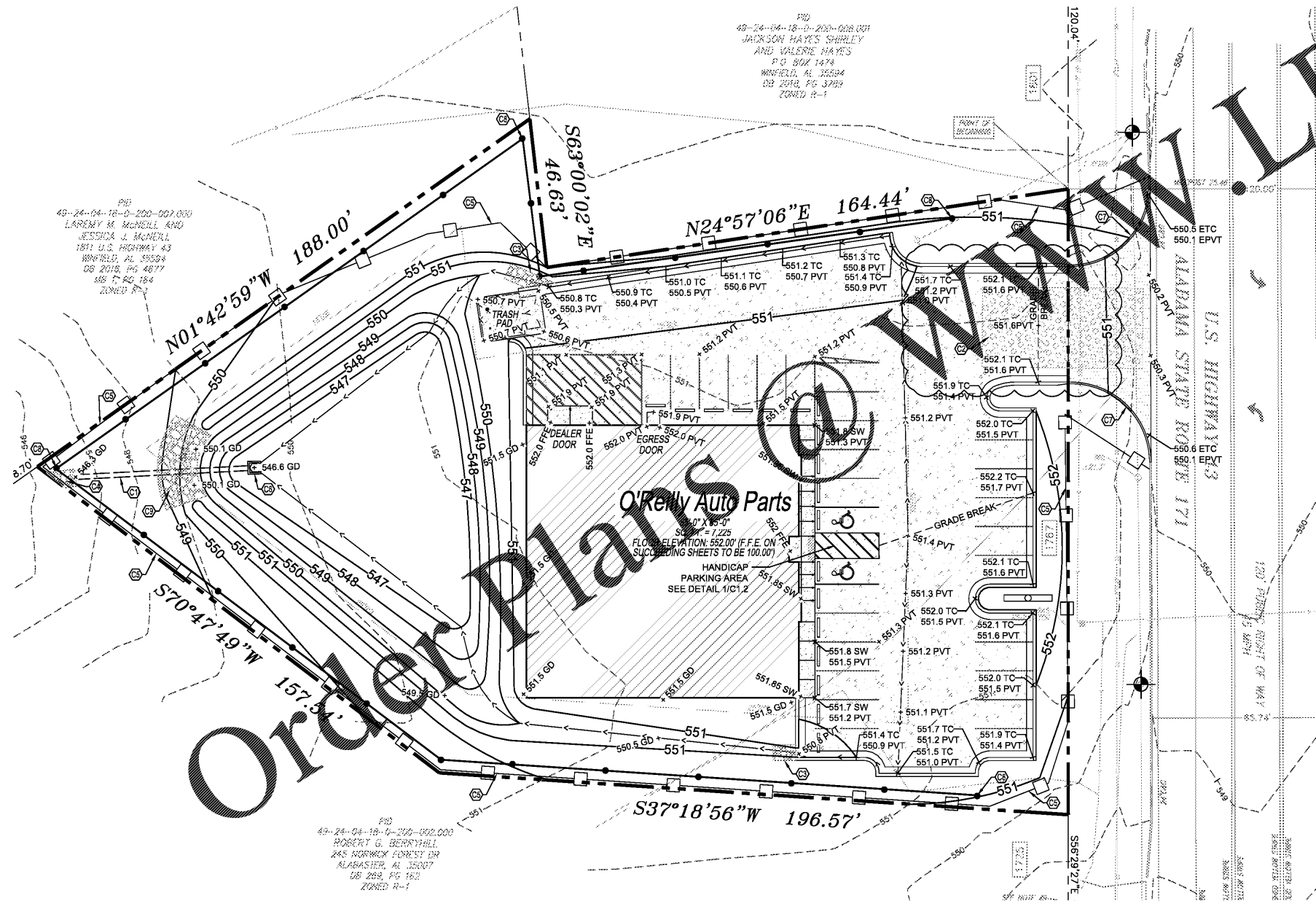
- A. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B. SITE CONDITIONS BASED UPON SURVEY SUBMITTED BY OWNER. FIELD VERIFY EXISTING CONDITIONS BY DETAILED SITE INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION.
- C. FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT PRIOR TO ESTABLISHING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

STAGES OF CONSTRUCTION:

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

STORM WATER RUNOFF SUMMARY:

TOTAL PROPERTY AREA= 1.08 ACRES
TOTAL DISTURBED AREA = 1.07 ACRES, THEREFORE NOI WILL BE OBTAINED.
REFER TO STORMWATER REPORT PREPARED BY ANDERSON ENGINEERING.



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

CAUTION:
INFORMATION ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

SPECIAL NOTE:
PRIOR TO BEGINNING ANY SITE WORK & ORDERING OF MATERIALS, CONTRACTOR SHALL FIELD VERIFY ALL UTILITY & DRAINAGE CONNECTIONS TO EXISTING SYSTEMS BY POT HOLEING AND SHALL NOTIFY ENGINEER OF NEEDED CHANGES. FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR BEING RESPONSIBLE FOR ALL REVISION COSTS AND DELAYS.

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

SPECIAL NOTE:
PRIOR TO CONTRACT CLOSEOUT, CONTRACTOR SHALL SECURE THE SERVICES OF A REGISTERED LAND SURVEYOR TO PROVIDE SITE SURVEY OF COMPLETED PROJECT CONDITIONS AND SUBMIT FOR REVIEW AND APPROVAL BY OWNER. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

- KEY NOTES:**
- C1 INSTALL 54 LF OF 18" Ø PIPE. DAYLIGHT AT INV = 546.3'
 - C2 INSTALL CONSTRUCTION EGRESS PER NOTES.
 - C3 3' CURB OUT WITH 35 S.F. RIP-RAP PAD. REFER TO DETAIL 3/C1.2
 - C4 INSTALL 35 SF RIP-RAP PAD. REFER TO DETAIL 3/C1.2.
 - C5 INSTALL EROSION CONTROL FENCE/LIMITS OF DISTURBED AREA. REFER TO DETAIL 4/C1.2
 - C6 INSTALL 4x4' OUTLET STRUCTURE. TOP = 550.15' INV = 546.6' REFER TO DETAIL 5/C1.2.
 - C7 ALDOT APPROVED CURB AND GUTTER PER STANDARD DRAWING 623-XY/DOT2
 - C8 WOOD FENCE. REFER TO DETAIL ON C2.2.
 - C9 INSTALL 325 SF RIP-RAP PAD. REFER TO DETAIL 3/C1.2.

SYMBOLS LEGEND			
REFER TO SURVEY (SV1) FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.			
---	EXISTING GRADE LINES	---	NEW SPOT ELEVATIONS
---	PROPOSED NEW GRADE LINES	---	LIST GRADE
---	NEW BUILDING CONSTRUCTION	---	SW
---	NEW POLE SIGN LOCATION	---	TOP OF WALL
---	NEW CONCRETE PAVING BLOCK	---	TC
---	TEMPORARY EROSION CONTROL FENCE	---	TOP OF CURB
---	SURFACE FLOW ARROW	---	PVT
---		---	TOP OF PAVEMENT
---		---	NEW GRADE
---		---	CONCRETE
---		---	EXISTING TOP OF CURB
---		---	EGD
---		---	EXISTING PAVEMENT
---		---	EPVT
---		---	EXISTING SIDEWALK
---		---	ESW
---		---	FLOW LINE
---		---	FL
---		---	TOP OF BERM
---		---	TOP



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