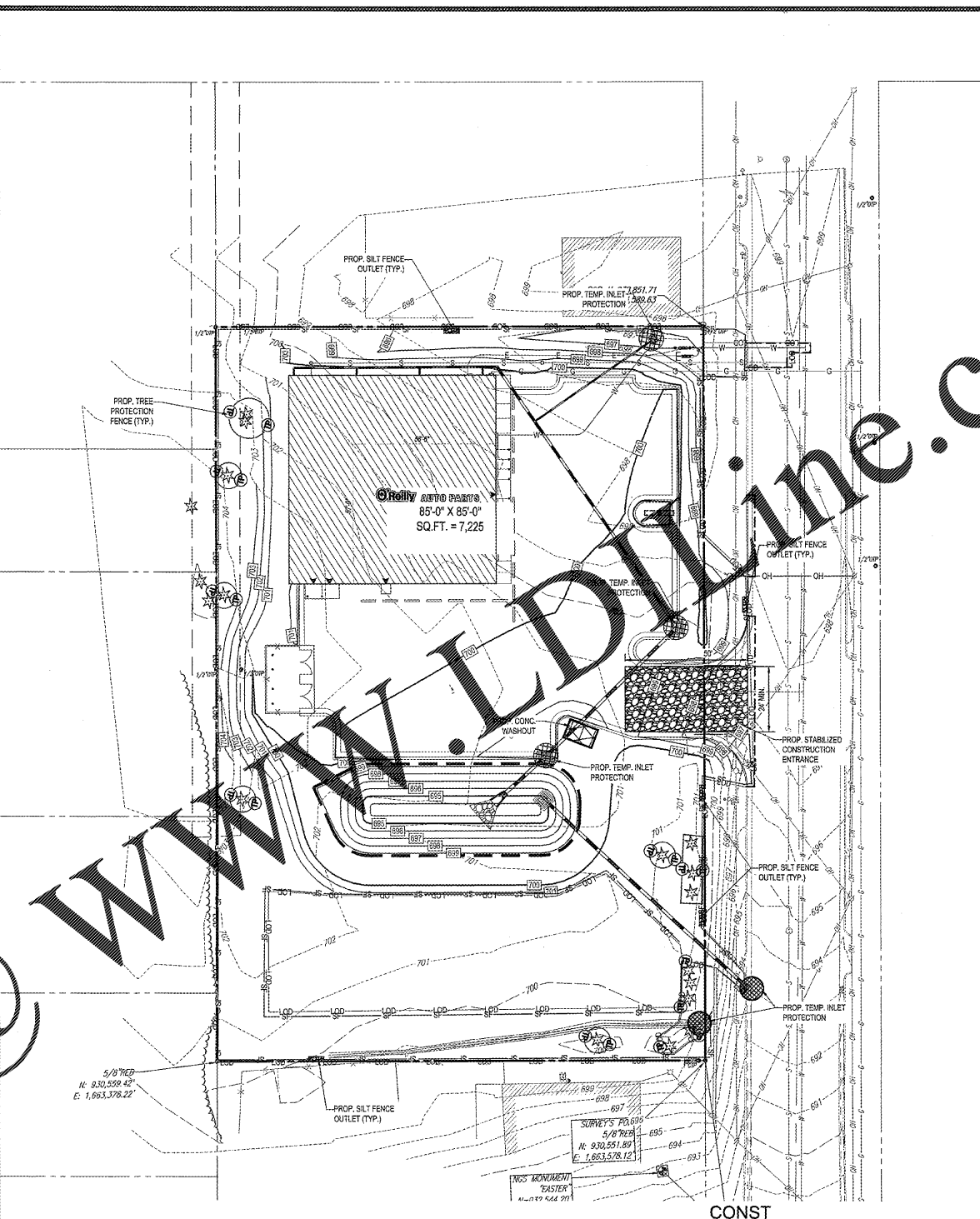


1 E&S CONTROL PLAN - PHASE I
C3.1



2 E&S CONTROL PLAN - PHASE II
C3.1 SCALE: 1" = 30'

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 STRIPES, PAVING AND/OR PERENNIAL VEGETATION HAVING A UNIFORM COVERAGE DENSITY OF AT LEAST 70%. STABILIZATION OF ALL DISTURBED AREAS IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.
3. CONTRACTORS SHALL INSPECT POLLUTION CONTROL MEASURES AT LEAST ONCE EVERY 14 DAYS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 1/2 INCH OR GREATER. DAMAGE TO MEASURES THAT PROVE TO BE INEFFECTIVE SHALL BE REPLACED WITH MORE EFFECTIVE MEASURES OR ADDITIONAL MEASURES WITHIN SEVEN DAYS. REPAIRS TO A LINE OF 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 CITY ORDINANCES AND STATE REQUIREMENTS PRIOR TO BEGINNING OF WORK ON PROJECT.
5. ALL SILT SHALL BE KEPT FROM THE ENCROACHMENT OF SEDIMENT INTO ADJACENT PUBLIC STREETS AND ONTO PRIVATE PROPERTY. ALL EXCESS MATERIAL (ROAD/PARKING AREA SURFACE) IS LIED OR SHALL BE REMOVED FROM LANDSCAPE HAS BEEN ESTABLISHED. REFER TO SITE DETAILS FOR SILT FENCE CONSTRUCTION.
6. SLOPES WHICH EXCEED 3:1 (H:V) SHALL UTILIZE CONTECH APPROVED EQUAL MATS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH MANUFACTURER.
7. CONTACT THE DEMLR RALEIGH REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO COMMENCING THE LAND DISTURBANCE ACTIVITY. THE CONTACT NUMBER IS 919-791-4200.

STAGE OF CONSTRUCTION NOTES

- PHASE I**
1. EROSION AND SEDIMENT CONTROL PERMIT MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES OCCUR. A COPY OF THIS PERMIT AND A HARD COPY OF THE PLAN MUST BE KEPT ON SITE, PREPARE IN A PERMITS BOX, AND ACCESSIBLE DURING INSPECTION. POST REQUIRED DOCUMENTS NEAR THE PLANNED CONSTRUCTION ENTRANCE AND WITHIN EASY ACCESS TO THE GENERAL PUBLIC.
 2. PER NPDES REQUIREMENTS, A RAIN GAUGE, SELF INSPECTION RECORDS, PERMIT, AND S&E PLAN ARE REQUIRED TO BE MAINTAINED ON SITE AND ACCESSIBLE DURING INSPECTION. IT IS RECOMMENDED THAT THESE ITEMS BE PLACED IN A PERMITS BOX AT THE ENTRANCE OF THE PROJECT.
 3. TAKE PLEASANTLY MARKED CONSPICUOUSLY AND PROMINENTLY MARKED TO DENOTE THE BOUNDARY. LOD MUST REMAIN CONSPICUOUSLY MARKED THROUGHOUT THE ENTIRE CONSTRUCTION PROJECT.
 4. INSTALL SILT FENCE AND TREE PROTECTION FENCING. CLEAR ONLY THE MINIMUM AREA ABSOLUTELY NECESSARY TO INSTALL THESE PERIMETER CONTROL BMP'S.
 5. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT AREA WHERE INDICATED ON THE PLANS. INSTALL 12" HDPE PIPE UNDERNEATH CONSTRUCTION ENTRANCE TO BE CONNECTED TO PROPOSED DIVERSION CHANNEL, WHERE INDICATED ON THE PLANS.
 6. CONSTRUCT SKIMMER SEDIMENT BASIN WITH APPROPRIATE OUTLET PIPES, AS SPECIFIED ON THE EROSION CONTROL PLANS. INSTALL STORM PIPE BETWEEN STORM STRUCTURES 100 & 101. STABILIZE SIDE SLOPE AND ALL SIDE EMBANKMENTS OR SLOPES OF THE SKIMMER SEDIMENT BASIN IMMEDIATELY UPON COMPLETION.
 7. INSTALL TEMPORARY DIVERSION CHANNELS AS SPECIFIED ON THE EROSION CONTROL PLANS. STABILIZE SIDE SLOPES AND FLOW LINE OF THE TEMPORARY DIVERSION DIKES WITH SEED, FERTILIZER AND ROLLED EROSION CONTROL PRODUCTS AND LINERS AS SPECIFIED IN THE EROSION CONTROL PLANS.
 8. CONTACT NPDES CONTROL INSPECTOR UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 9. BEGIN STRIPPING THE SITE. (PHASE CLEARING AND GRUBBING TO THE EXTENT PRACTICAL TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ANY POINT IN TIME). STRIP AREAS THAT WILL BE USED AS A SOIL STOCKPILE.
 10. BEGIN SITE GRADING AND STABILIZING FINISHED GRADE AS IT IS COMPLETED.
- PHASE II**
1. CONTINUE GRADING THE SITE. ADJUST TEMPORARY DIVERSION CHANNEL, AND OTHER CONTROL MEASURES AS GRADES ARE ADJUSTED.
 2. GRADE BUILDING PAD AREA. DURING PAD GRADING OPERATIONS SLOPE PAD SUCH THAT RUNOFF FROM THE PAD IS DIRECTED TO THE SKIMMER BASIN.
 3. INSTALL UTILITIES, STORM SEWERS, CURBS AND GUTTERS. AS STORM DRAINS ARE BROUGHT TO GRADE, INLET PROTECTION IS TO BE INSTALLED. INSTALL SANITARY SEWER PIPE, AND ASSOCIATED STRUCTURES, CONNECT SANITARY SEWER PIPE TO BUILDING. WHEN INSTALLING UTILITIES, REMOVE ANY EXCESS WATER FROM TRENCHES BY PUMPING OUT AND SEND TO DOWATERING SILT BAW.
 4. ONCE NPDES INSPECTS THE SITE FOR STABILIZATION AND APPROVES TO CONTINUE CONSTRUCTION, PREPARE SITE FOR PAVING.
 5. PAVE SITE.
 6. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
 7. AFTER ALL UPSTREAM DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED, CLEAN OUT ABOVE GROUND DETENTION SYSTEM AND STORM STRUCTURES TO REMOVE ALL SEDIMENT ACCUMULATIONS. DO NOT DISCHARGE WASH WATER OR SEDIMENT FROM SITE.
 8. OBTAIN CONCURRENCE FROM THE OWNER THAT THE SITE HAS BEEN FULLY STABILIZED, SEDIMENT HAS BEEN REMOVED FROM STORM INLETS, AND ALL CONSTRUCTION HAS BEEN COMPLETED, THEN:
 - 9.a. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S).
 - 9.b. STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF TEMPORARY BMP'S.
 10. DEMOBILIZE FROM SITE. CONTRACTOR SHALL NOT DEMOBILIZE UNTIL ENTIRE SITE HAS BEEN FULLY STABILIZED.

CONSTRUCTION EGRESS NOTES

1. CONSTRUCTION EGRESS SHALL BE 24" MINIMUM WIDTH AND 60" MINIMUM LENGTH AND 6" MIN THICKNESS OF STONE (CLASS A) COARSE AGGREGATE WITH GEOTEXTILE UNDERLINER. REFER TO NPDES STANDARDS 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 2-3 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 NPDES REQUIREMENTS.

PLAN REFERENCES

- REFER TO EROSION CONTROL DETAILS FOR ADDITIONAL EROSION NOTES & DETAILS
- THIS PLAN TO BE UTILIZED FOR EROSION PURPOSES ONLY

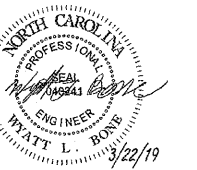
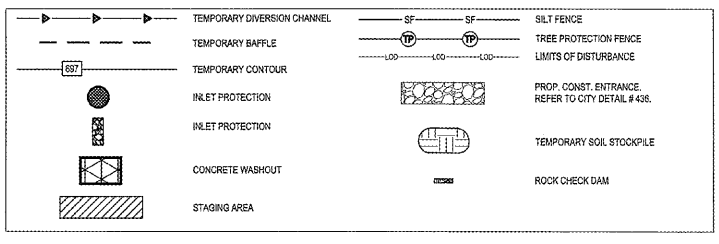
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PROJECT No.: NCR182158 SCALE: 1"=30'
DRAWN BY / CHECKED BY: CB/WLB CAD I.D.: NCR182158-SSP-0

NPDES Stormwater Discharge Permit for Construction Activities (MS001) NCDENR/Division of Energy, Mineral and Land Resources

STABILIZATION TIMEFRAMES (Effective Aug. 3, 2015)		
SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
Perimeter dikes, swales, ditches, slopes	7 days	None
High Quality Water (H2O) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length.
All other areas with slopes flatter than 4:1	14 days	None, except for perimeters and H2O Zones.

EROSION CONTROL LEGEND



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WALNUT COVE, NC
EROSION & SEDIMENT CONTROL PLAN

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DATE: 3-22-19
REVISION DATE:
REVISION DATE:

C3.1