

1. THE MURPHY STATION WILL NOT DROP THE WAL-MART GREEN SPACE BELOW CITY REQUIREMENTS.
2. ALL PERMANENT TURF AREAS MUST BE SOODED.
3. GC TO ENSURE THAT TRAFFIC THROUGH MAIN WAL-MART DRIVE IS NOT INTERRUPTED AT ANY TIME DUE TO CONSTRUCTION ACTIVITIES. ENSURE A MINIMUM TEMPORARY LANE WIDTH OF 10' (EACH DIRECTION) IS AVAILABLE AT ALL TIMES. FREE OF OBSTRUCTIONS TO VEHICLES. AT NO TIME SHALL THE CONSTRUCTION FENCE EXTEND INTO THE DRIVE MORE THAN 2" FROM THE FACE OF THE CURB OR DRIVE.
4. IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE WAL-MART TRAFFIC FLOW OR ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL COORDINATE WITH THE WAL-MART CONSTRUCTION/STORE MANAGER AND/OR ADJACENT PROPERTY OWNER, TO MINIMIZE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING DOT APPROVED TRAFFIC BARRICADES, BARRELS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGGING MAY BE ALSO NECESSARY.
5. ALL WAL-MART PROPERTY DAMAGED DUE TO CONSTRUCTION ACTIVITIES MUST BE REPLACED/RESTORED TO MATCH THE EXISTING TYPE AND QUALITY OF WORK AND MATERIALS, AND IS SUBJECT TO WAL-MART APPROVAL.
6. UTILITY WORK DONE ON WAL-MART PARCEL, WHETHER BY THE CITY OR THE UTILITY COMPANIES, SHALL BE REPAIRED BACK TO EXISTING CONDITIONS.
7. EROSION CONTROL MEASURES IMPLEMENTED INSIDE THE WAL-MART DRIVE ISLES AND PARKING LOT SHALL INCLUDE ONLY SILT BASINS OR WAL-MART PRE-APPROVED EQUAL TO ENSURE TRAFFIC CIRCULATION IS NOT IMPEDED. GRAVEL INLET PROTECTION DEVICES SHALL NOT BE ALLOWED INSIDE THE WAL-MART DRIVE ISLES OR PARKING LOT.
8. GC SHALL UTILIZE DIRECTIONAL BORING OR JACK AND BORE METHODS TO INSTALL ALL UTILITIES THROUGH THE WAL-MART PARKING LOT, ANY PAVED AREAS OR DRIVE ISLES.

EROSION & SEDIMENT CONTROLS, ROCK CONSTRUCTION ENTRANCE, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

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GENERAL EROSION NOTES

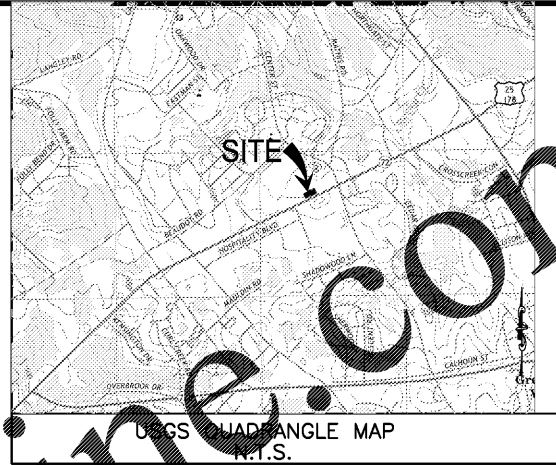
- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM ON DOWNSTREAM SIDES AS NEEDED.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLotation BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE MINIMIZED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE TO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL DENUDE/BARE AREAS THAT WILL BE INACTIVE FOR 30 DAYS OR MORE MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY WITH THE USE OF FAST-GERMINATING ANNUALS OR GRASS VARIETIES, STRAW/HAY OR WOOD CELLULOSE FIBERS, TACKLING, OR OTHER MEANS.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY IS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLAN. THESE AREAS SHALL BE SEEDED, SOODED, AND/OR VEGETATED QUICKEST AS SHOWN ON PLANS, NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS, AND TO THE GRADING AND/OR LANDSCAPE PLAN.
- THE ACTION OF VEHICLES TRAVELING OVER THE GRADING CONSTRUCTION ENTRANCES IS SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO PREVENT THE WASH WATER AND SEDIMENT FROM BEING CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS ROADS AS PROVIDED.
- ALL WASH WATERS, SPILLS, OILS, GREASE, OR TRACKED FROM VEHICLES ONTO ROADWAYS SHALL BE COLLECTED, WASHED, OR TRAPPED FROM VEHICLES IMMEDIATELY.
- CONTRACTOR AND SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE AND OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.
- GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.

SEQUENCE OF CONSTRUCTION

- PHASE I**
1. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
 2. PREPARE TEMPORARY PARKING AND STORAGE AREA.
 3. CONSTRUCT THE SILT FENCES ON THE SITE.
 4. INSTALL ALL PERMETER SEDIMENT MEASURES.
 5. INSTALL ALL TEMPORARY EROSION & SEDIMENT CONTROLS AS NEEDED.
 6. BEGIN GRADING THE SITE.
- PHASE II**
8. START CONSTRUCTION OF BUILDING PAD, STRUCTURES, AND OFF-SITE IMPROVEMENTS.
 9. TEMPORARILY SEED DENUDED AREAS.
 10. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.
 11. INSTALL INLET/FLUME PROTECTION DEVICES.
 12. INSTALL RIP RAP AROUND OUTLET STRUCTURES.
 13. PREPARE SITE FOR PAVING.
 14. PAVE SITE.
 15. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
 16. REMOVE EROSION AND TEMPORARY SEDIMENT CONTROL DEVICES AFTER FINAL STABILIZATION IS ACHIEVED.

BMP MAINTENANCE NOTES

- ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
 2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEED AS NEEDED.
 3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF OF THE SILT FENCE.
 4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
 6. FILTER TUBES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM TUBES WHEN IT REACHES 1/3 OF ITS EXPOSED HEIGHT. SEE DETAILS.
 7. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS, ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.



EXISTING

EXISTING BUILDING	FIRE HYDRANT
LAND LOT LINE (LLL)	WATER VALVE
PROPERTY LINE	GAS VALVE
UTILITY POLE (UP), OVERHEAD LINES & CUY	WATER METER
TREE LINE	GAS METER
SANITARY SEWER MANHOLE (SSMH)	WELL
SANITARY CLEAN-OUT (SCO)	MONITORING WELL
TELEPHONE MANHOLE OR PEDESTAL	POST INDICATOR VALVE
STORM DRAIN PIPE WITH HEADWALL	WALDOB
DOUBLE-WING CATCH BASIN	STREET SIGN
SINGLE-WING CATCH BASIN	UNKNOWN UTILITY STUB OUT
JUNCTION BOX (JB)	CONCRETE
DROP OR CURB INLET (DI OR CI)	FIRE DEPT. CONNECTION
FENCE	HANDICAPPED
DRAINAGE DITCH OR SWALE	IRRIGATION CONTROL VALVE
EXISTING 6 FOOT CONTOUR	RIGHT-OF-WAY
EXISTING 1 FOOT CONTOUR	STORM DRAIN
EXISTING GRADE SPOT ELEVATION	REBAR PIN FOUND
RECORDED DATA	OPEN TOP PIPE FOUND
PARKING SPACE COUNT	CRIMP TOP PIPE FOUND
LIGHT POLE (LP)	CONCRETE MONUMENT FOUND
ELECTRICAL TRANSFORMER BOX	ROD FOUND
	BRASS DISK FOUND
	AJLE FOUND
	REBAR PIN SET

PROPOSED

BOUNDARY LINE	CF	CONSTRUCTION FENCE
CF	CFP	CONSTRUCTION FENCE ON PAVEMENT
CFP	---	LIMITS OF DISTURBED AREA
---	##	SOIL TYPE DESIGNATION

PROJECT INFORMATION

RECEIVING WATER IS UN-NAMED LOCAL DEPRESSION. DEPRESSION EVENTUALLY CONNECTS TO CEDAR LAKE WATERWAY ± 0.50 MILES TO SOUTHEAST OF PROJECT SITE.

PROPOSED PROJECT SITE IS AN EXISTING COMMERCIAL LOT WITHIN A DEVELOPMENT - STORM RUN-OFF FROM SITE WILL PIPE INTO THE EXISTING STORM STRUCTURE AND THEN EVENTUALLY WITH DISCHARGE INTO WM DETENTION POND SYSTEM.

PROPOSED PROJECT IS CONSTRUCTING A GAS STATION CONSISTING OF 1,200 S.F. CONCREMENT STORE WITH 6 PUMP ISLANDS AND ASSOCIATED PARKING AREA.

ACREAGE OF SITE IS 0.54 ACRES.

DISTURBED ACREAGE OF SITE (INCLUDING OFF-SITE WORK) IS 0.52 ACRES.

ANTICIPATED CONSTRUCTION START DATE IS JUNE 2018 AND COMPLETION DATE IS DECEMBER 2018.

CONTRACTOR TO TAKE APPROPRIATE MEASURES TO KEEP SEDIMENT FROM ESCAPING SITE AND ALL ACCUMULATED SEDIMENT SHALL BE CLEANED OUT AND REMOVED FROM SITE.

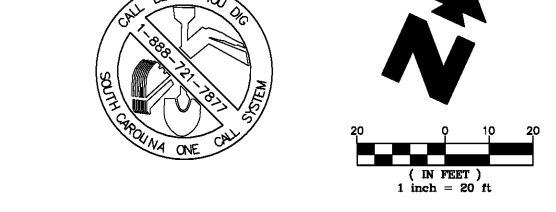
DOWNSTREAM CONDITION WILL NOT BE NEGATIVELY AFFECTED BY PROPOSED DEVELOPMENT.

EROSION DETAILS - SEE DETAIL SHEET C-4.2

CE	CE	STABILIZED CONSTRUCTION ACCESS
SF	SF	SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT
CFS	CFS	TEMP. COMPOST FILTER SOCK ANCHORED WITH SAND BAGS
DC	DC	DUST CONTROL (USING: PHASING OF THE PROJECT, MULCH, SPRINKLING WATER, SPRAY-ON-ADHESIVE, CALCIUM CHLORIDE, BARRIERS, ETC.)
IP1	IP1	TEMPORARY BLOCK AND AGGREGATE FLUME SEDIMENT FILTER

SITE SOILS

CdB - CECIL SANDY LOAM



GREENBERGFARROW
 EROSION CONTROL PHASE 1
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Order Plans