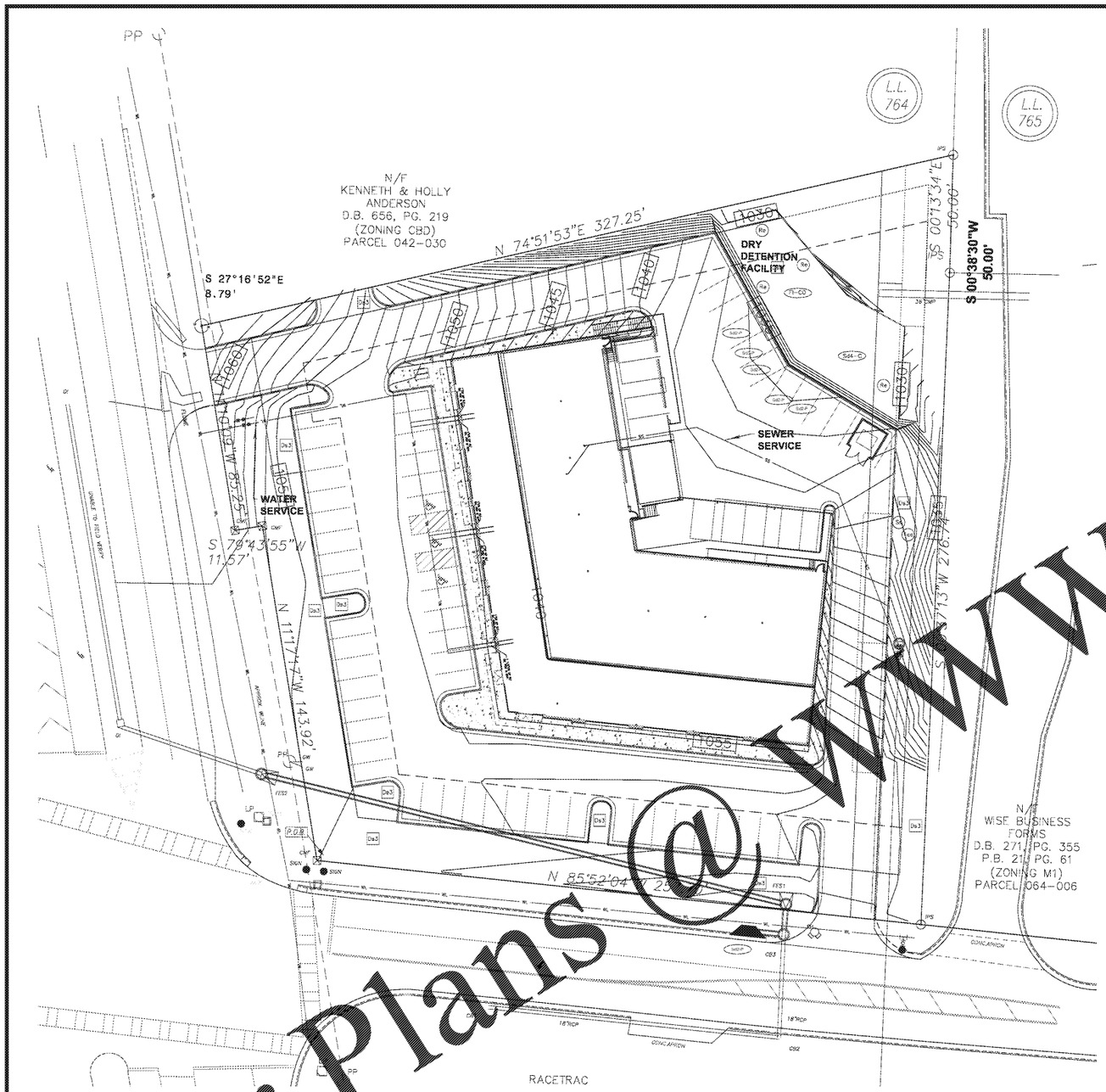
ISSUED FOR CONSTRUCTION



EROSION CONTROL LEGEND

CODE	PRACTICE	SYMBOL
Co	CONSTRUCTION EXIT	
Sd1-NS	SEDIMENT BARRIER TYPE "NS"	
Sd2	INLET SEDIMENT TRAP	
Sd4-C	TEMPORARY SEDIMENT BASIN	
Fl-CO	FLOCCULANTS/ COAGULANTS	Fl-CO
Hl-P	HALF-ROUND PIPE WITH STONE FILTER	
Re	RETAINING WALL	Re
Ss	SLOPE STABILIZATION	Ss
Tac	TACKIFIER	Tac

EROSION CONTROL LEGEND

CODE	PRACTICE	SYMBOL
Sd3-P	CURB INLET PROTECTION - "PIGS IN A BLANKET"	Sd3-P
Ds1	STABILIZATION MULCHING ONLY	Ds1
Ds2	STABILIZATION TEMPORARY SEEDING	Ds2
Ds3	STABILIZATION PERMANENT VEGETATION	Ds3
SL	STORM DRAIN OUTLET PROTECTION	
FR	FILTER RING	FR

N

Scale: 1" = 20'

0 10 20 40

WETLANDS CERTIFICATION NOTES:

THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING: 1) THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN CONSULTED AND 2) THE APPROPRIATE PLAN SHEET DOES NOT INDICATE AREAS OF UNITED STATES ARMY CORP OF ENGINEERS JURISDICTIONAL WETLANDS AS SHOWN ON THE

PHASED EROSION CONTROL PLAN AND BMP IMPLEMENTATION NOTES:

1. A COMBINATION OF SEDIMENT & EROSION CONTROL PRACTICES SHALL BE UTILIZED TO REDUCE POLLUTANTS IN STORM WATER DISCHARGE FROM THIS SITE.
2. A COMPREHENSIVE 3 PHASE EROSION CONTROL PLAN WILL BE IMPLEMENTED.
3. THE INITIAL (PHASE 1) EROSION CONTROL PLAN WILL INCLUDE THE INSTALLATION OF THE REQUIRED SEDIMENT STORAGE AND PERIMETER CONTROL BMPS. BMPS WILL INCLUDE THE RETROFIT OF THE EXISTING DETENTION POND TO PROVIDE REQUIRED SEDIMENT STORAGE, INSTALLATION OF TYPE "C" AND "NS" FENCES (DOUBLE ROW OF TYPE "C" AS NECESSARY TO PROTECT EXISTING WATERWAY) FOR WATER EROSION CONTROL, INSTALLATION OF 2 CONSTRUCTION EXITS TO PROVIDE ACCESS, INSTALLATION OF SEDIMENT BARRIERS TO PROTECT EXISTING STORM STRUCTURES, AND OTHER FILTRATION EROSION CONTROL PRACTICES TO REDUCE SEDIMENT IN RUNOFF. THIS PHASE INCLUDES SITE STABILIZATION AS SHOWN, MULCHING AND TEMPORARY GRASSING.
4. THE INTERMEDIATE (PHASE 2) EROSION CONTROL PLAN WILL INCLUDE INTERMEDIATE GRADING AND DRAINAGE BMPS. BMPS FOR SEDIMENT STORAGE AND PERIMETER CONTROL WILL REMAIN IN PLACE DURING THIS PHASE. ADDITIONAL BMPS FOR PHASE 2 INCLUDE INSTALLATION OF SEDIMENT TRAPS FOR NEWLY CONSTRUCTED STORMWATER COLLECTION STRUCTURES, INSTALLATION OF MATTING AND BLANKETS ON POND SLOPE, INSTALLATION OF FIRST LAYER OF STONE ON DRAIN OUTLETS, SITE DUST CONTROL AND ADDITIONAL MULCHING & TEMPORARY SEEDING TO STABILIZE EXPOSED GROUND.
5. FINAL (PHASE 3) BMPS WILL BE INSTALLED AS SOON AS CONSTRUCTION IS COMPLETE. THIS INCLUDES INSTALLATION OF PERMANENT GRASSING AND TEMPORARY SEDIMENT TRAPS (PIGS IN BLANKET - SID). INITIAL SEDIMENT STORAGE AND PERIMETER CONTROL BMPS SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATION IS ESTABLISHED.
6. ADDITIONALLY, THIS PLAN UTILIZES BMPS TO CONTROL POLLUTANTS FROM WASTE DISPOSAL PRACTICES, SOIL ADDITIVES, REMEDIATION OF SPILLS AND LEAKS OF PETROLEUM PRODUCTS, CONCRETE TRUCK WASHOUT, ETC.

ADDITIONAL EROSION CONTROL NOTES:

1. ALL SLOPES STEEPER THAN 3.5:1 SHALL BE HYDROSEEDED AND COVERED WITH GDOT APPROVED ALL SLOPES STEEPER THAN 2.5:1 SHALL BE HYDROSEEDED AND COVERED WITH GDOT APPROVED WHEAT STRAW, WOOD FIBER MATTING OR COCONUT FIBER MATTING. ALL SLOPES MUST BE PROTECTED UNTIL A PERMANENT VEGETATIVE STAND IS ESTABLISHED.
2. SLOPES OVER 20 FEET IN HEIGHT SHALL BE STABILIZED IN STAGES BY MATTING AND SLOPES OVER 20 FEET IN HEIGHT SHALL BE STABILIZED IN STAGES BY MATTING AND VEGETATION. STABILIZATION MEASURES SHALL BE PLACED IN VERTICAL INCREMENTS NOT TO EXCEED 20 FEET IMMEDIATELY AT THE COMPLETION OF EACH 20 FOOT LIFT.
3. ALL SILT FENCE SHALL UTILIZE TYPE "C" FABRIC.

GRADING NOTES:

1. CONTRACTOR SHOULD MINIMIZE DISTURBANCE TO THE SITE BY PHASING CONSTRUCTION OF BASEMENT WALLS PRIOR TO PREPARING PARKING AREAS ON THE SOUTH AND WEST SIDES OF THE BUILDING.
2. THIS SITE IS LOCATED IN LAND LOT 264 OF THE 2ND DISTRICT, 1ST SECTION OF THIS SITE IS LOCATED IN LAND LOT 281 OF THE 2ND DISTRICT, 1ST SECTION OF FORSYTH COUNTY, GEORGIA.
3. THE SITE ADDRESS IS: 905 MCFARLAND PARKWAY CUMMING, GEORGIA 30041
4. TOTAL PROPERTY AREA = 1.822 ACRES; PHASE I DISTURBED AREA = 1.752 ACRES.
5. THE SITE HAS ACCESS TO MCFARLAND PARKWAY BUT IS CURRENTLY UNDEVELOPED.
6. THE PROPOSED DEVELOPMENT IS FOR BUILDING 15,000 SQ. FT. HOTEL WITH PARKING AND ASSOCIATED UTILITIES. THE LIMITS OF DEMOLITION ARE DEPICTED ON SHEET C1.01 OF THE PLANS.
7. RUNOFF FROM THE PROPOSED CONSTRUCTION WILL FLOW TO A PROPOSED STORM WATER MANAGEMENT FACILITY TO BE LOCATED IN THE NORTHEAST PORTION OF THE PROPERTY.
8. THE RECEIVING WATERS FOR THE AREA OF DISTURBANCE IS AN EXISTING STORM SEWER DISCHARGING TO THE EAST THAT ULTIMATELY FLOWS TO BIG CREEK.
9. THE SITE IS BOUNDED BY MCFARLAND PARKWAY TO THE WEST, DEVELOPED COMMERCIAL PROPERTIES TO THE NORTH AND EAST AND BY MCFARLAND 400 BOULEVARD TO THE SOUTH.
10. SITE RUNOFF DOES NOT FLOW TO A KNOWN IMPAIRED STREAM SEGMENT PER 2014 SITE RUNOFF DOES NOT FLOW TO A KNOWN IMPAIRED STREAM SEGMENT PER 2014 INTEGRATED 305(b)/303(d) LIST OF IMPAIRED STREAMS IN THE STATE OF GEORGIA
11. A COMBINATION OF SEDIMENT & EROSION CONTROL PRACTICES SHALL BE UTILIZED TO REDUCE POLLUTANTS IN STORM WATER DISCHARGE FROM THE SITE. A COMPREHENSIVE 3 PHASE EROSION CONTROL PLAN WILL BE IMPLEMENTED. THE FIRST PHASE EROSION CONTROL PLAN INCLUDES INSTALLATION OF A CONSTRUCTION EXIT, NON-SENSITIVE SILT FENCES, AND A SEDIMENT TRAP FOR SEDIMENT STORAGE. ADDITIONALLY, THE PLAN UTILIZES BMPS TO CONTROL POLLUTANTS FROM WASTE DISPOSAL PRACTICES, SOIL ADDITIVES, REMEDIATION OF SPILLS AND LEAKS OF PETROLEUM PRODUCTS, CONCRETE TRUCK WASHOUT, ETC.
12. THERE ARE NO STATE WATERS ON OR WITHIN 200 FT OF THIS PROPERTY.
13. THE ES & PC PLAN DESIGN PROFESSIONAL SHALL INSPECT THE INITIALLY THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION
14. AMENDMENTS & REVISIONS TO THE ES & CP WHICH HAVE A SIGNIFICANT EFFECT ON AMENDMENTS & REVISIONS TO THE ES & CP WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY A DESIGN PROFESSIONAL.
15. NO WASTE WILL BE DISPOSED OR INTO STORM WATER OUTLETS OR WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
16. SEDIMENT & EROSION CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
17. ALL DISTURBED AREAS TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
18. CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V.
19. NO BURY PITS ARE ALLOWED ON THE PROPERTY.

PHASE II DETENTION / TEMPORARY SEDIMENT BASIN

Sd4-C

DA = 1.82 ACRES

VOLUME REQUIRED = 1.82 ACRES X 67 CY/ACRE
= 121.94 CY OR 3,292.38 CF

VOLUME PROVIDED
V = 0.25 AC/FT OR 10,890.00 CF - PER DETENTION POND
CALCULATIONS SEE SHEET C14.01
SPILLWAY ELEVATION = 1031.00
CLEANOUT VOLUME REQUIRED
Vreq = 1/3 * 10,890.00 CF = 3,630.00 CF
CLEANOUT ELEVATION = 1027.00

MARK CLEAN OUT ELEVATION ON 4"X4" POST

NOTE:
NOTIFY FORSYTH COUNTY INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE OF CONSTRUCTION.
CALL (770) 781-2166

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO 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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

PAINTS / FINISHES / SOLVENTS HANDLING NOTE: ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTIONS SYSTEM. EXCESS PRODUCT & MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING NOTE: NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON SITE.

PETROLEUM PRODUCT HANDLING NOTE: CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT & MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

FERTILIZER / HERBICIDES HANDLING NOTE: THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS HANDLING NOTE: NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF WITH PROPER WASTE DISPOSAL PROCEDURES. ALL BUILDING MATERIALS SHALL BE COVERED ONSITE AT ALL TIMES.

WASTE MATERIALS HANDLING NOTE: ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE A WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ON-SITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

RUNOFF COEFFICIENT:
WEIGHTED PRE-CONSTRUCTION CURVE NUMBERS: 63.1
WEIGHTED POST CONSTRUCTION CURVE NUMBER: 92.2

SEE HYDROLOGY REPORT FOR ADDITIONAL INFORMATION (SUBMITTED CONCURRENTLY WITH PLANS)

SOIL CLEANUP AND SPILL CONTROL PRACTICES:

- SOIL CLEANUP AND SPILL CONTROL PRACTICES: LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY
- ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-456-2675.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-456-2675.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE GEORGIA E.P.D. WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THE LICENSED PROFESSIONAL.

SANITARY WASTE NOTES:

- A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE.
- ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.
- ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGES IS NEGLIGIBLE.
- ADDITIONAL CONTAINMENT BMPS MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SOLID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORMWATER DISCHARGES.
- THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, SHEET C7.01, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.
- SANITARY SEWER WILL BE PROVIDED BY THE MUNICIPAL AUTHORITY AT THE COMPLETION OF THIS PROJECT.

CONSTRUCTION SCHEDULE

WEEK (S) 04/15/16 (APPROX.)	CLEARING & GRUBBING	SILT FENCE & CONSTRUCTION EXIT & TREE PROTECTION	GRADING	STORM, WATER & SEWER	INLET/OUTLET EROSION CONTROL	GRASSING TEMPORARY
WEEK 1	WEEK 1	WEEK 1	WEEK 3	WEEK 5	WEEK 7	WEEK 8
WEEK 2	WEEK 2	COMPLETION	WEEK 6	WEEK 8	COMPLETION	COMPLETION

ALL DATES ARE APPROXIMATE AND MAY VARY

MAINTENANCE OF S & E CONTROLS	PAVING	UTILITIES	CURB	FINAL LANDSCAPING & CLEANING
WEEK 1	WEEK 12	WEEK 5	WEEK 15	WEEK 1
COMPLETION	WEEK 16	WEEK 8	WEEK 12	COMPLETION 10/30/13 (APPROX.)

EROSION CONTROL PLAN CERTIFICATION:

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document 'Manual for Erosion and Sediment Control in Georgia' (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the stormwater outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR100001."

SIGNED: _____

SITE DATA

TOTAL ACREAGE	1.82 ACRES
DISTURBED ACREAGE	1.75 ACRES

SITE VISIT 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 supervision.

SIGNED: _____

IF YOU DIG GEORGIA
CALL US FIRST!
UTILITIES PROTECTION CENTER
1-800-282-7411
(404) 325-5000
(METRO ATLANTA ONLY)
IT'S THE LAW

PROJECT OWNER

PROJECT TITLE
POPS WINE & SPIRITS
FORSYTH COUNTY, GA

NO. | DESCRIPTION | DATE
ISSUES & REVISIONS

SITE PLAN

DRAWING TITLE
EROSION FINAL

DRAWN BY	PROJECT NO.
BSR	201502
CHECKED BY	SCALE
BSR	1" = 20'
APPROVED BY	DATE
BSR	01/15/2019

DRAWING NO.
C9.01

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