NOTE: CONTRACTOR TO MAINTAIN SEDIMENT POND #A-3 UNTIL DETENTION POND "A" IS CONSTRUCTED AND FULLY OPERATIONAL WITH ALL STORM WATER DIVERTED INTO DETENTION POND "A".

CONTRACTOR TO MODIFY OUTLET CONTROL STRUCTURE AS SHOWN IN DETAIL PROVIDED ON THIS SHEET. MODIFICATION OF OUTLET CONTROL STRUCTURE WILL ALLOW FOR THE CAPTURE AND STORAGE OF A 1 INCH RAINFALL EVENT WITHOUT DISCHARGE FROM THE POND. AFTER SEDIMENT HAS SETTLED OUT, THE CONTRACTOR SHALL PUMP STORM WATER FROM POND THROUGH ROCK FILTERS PRIOR TO DISCHARGING THROUGH THE ENERGY DISSIPATION WALL. ADDITIONALLY, CONTRACTOR TO OVER EXCAVATE DETENTION POND BY 20,800 CU.FT. TO PROVIDE REQUIRED SEDIMENT STORAGE FOR ON SITE DISTURBANCE.

CRITICAL WORK ZONE

PROVIDE DIVERSION DIKE CALCULATIONS

PROVIDE DIVERSION DIKE CALCULATIONS

20 L.F. OF 30" C.M.P. WITH FLOC LOG SUSPENDED INSIDE

BERM OVER PIPE

20 L.F. OF 30" C.M.P. WITH FLOC LOG SUSPENDED INSIDE

CONTRACTOR TO DIVERT FLOW INTO OVER EXCAVATED SUMP BY CONSTRUCTION OF DIVERSION DIKE TO PROMOTE SEDIMENT SETTLING PRIOR TO REACHING THE OUTLET CONTROL STRUCTURE.

BREAK SILT FENCE AT LOCATIONS OF CONCENTRATED FLOW AND INSTALL CHECK DAMS

PROVIDE BOTTOM OF SEDIMENT POND, TOP OF DAM, & SPILLWAY ELEVATIONS

SEDIMENT POND "A-3"

45 L.F. OF 24" C.M.P.
TOP OF DAM ELEV.=1049.65
EMERGENCY SPILLWAY CREST ELEV.=1047.65

PROVIDE "J-HOOK" SILT FENCE WHEN RUNNING PERPENDICULAR TO CONTOURS

TEMPORARY STAND PIPE (SEE DETAIL TO RIGHT)

CONTRACTOR TO CONSTRUCT PLUNGE POOL (4 FEET DEEP) AT SEDIMENT POND OUTLET PIPE.

CONTRACTOR TO LINE PLUNGE POOL WITH CLEAN RIP RAP. PLACE STONE FROM FACE OF HEADWALL TO FACE OF ENERGY DISSIPATION WALL.

CONTRACTOR TO INSTALL "J-HOOK" SILT FENCE AS SHOWN.

TREE FENCE REPRESENTS LIMITS OF CLEARING

EXISTING WETLANDS TO REMAIN UNDISTURBED

CONTRACTOR TO PLACE SURGE STONE ALONG ENTIRE WIDTH OF ENERGY DISSIPATION WALL BETWEEN OUTSIDE FACE OF WALL AND TREE FENCE

3 ROWS OF SILT FENCE WITH HAY BALES PLACED BETWEEN ROWS OF SILT FENCE

SEE HYDRO STUDY FOR SPECIAL ENERGY DISSIPATION CALCULATIONS FOR PLUNGE POOL AND RETAINING WALL

REFERENCE DIVERSION DIKE AND DETENTION POND RETROFIT CALCULATIONS

ANY REVISION TO PLANS AFTER PERMITTING SHOULD BE CLOUDED AND NOTED IN THE THE TITLEBLOCK

ANY REVISION TO PLANS AFTER PERMITTING SHOULD BE CLOUDED AND NOTED IN THE TITLEBLOCK

MAGNETIC NORTH

0 10' 20' 40' 60' 80'
SCALE: 1" = 20'

CRITICAL WORK ZONE

24-HOUR CONTACT:
JOHN DOE
(XXX)XXX-XXXX

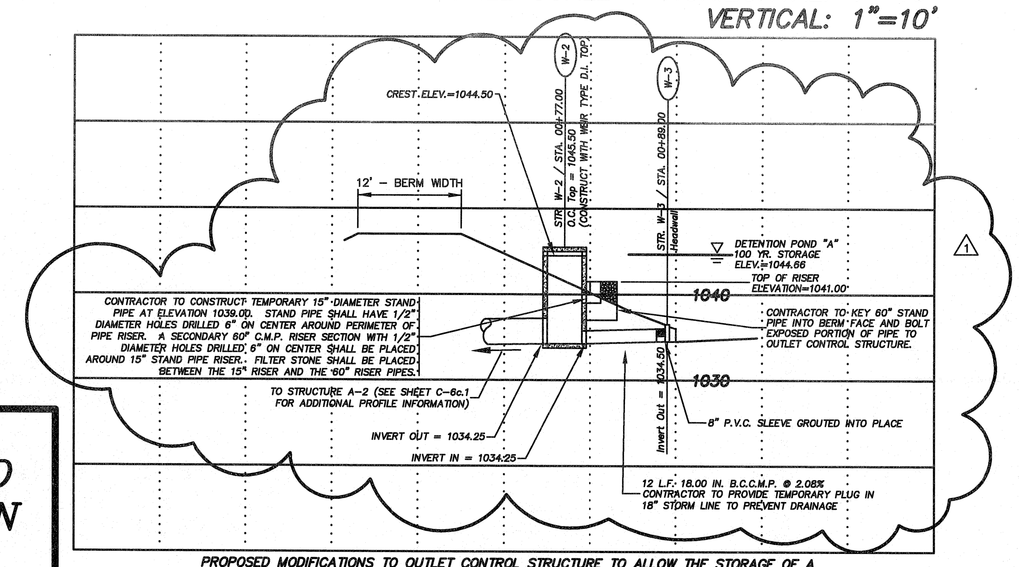
Critical Work Zones:

SHADED AREAS SHOWN ON PLANS REPRESENT CRITICAL WORK ZONES. AT THE END OF EACH WORK DAY ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND EROSION CONTROL MATTING. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT.

IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND WITH HEIGHT 10 FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.

NOTE: SEE SHEET C-4e.5 FOR RETRO FIT CALCULATIONS
SEE SHEET C-4e.4 FOR DIVERSION DIKE CALCULATIONS.

PROFILE SCALE - HORIZONTAL: 1"=10'
VERTICAL: 1"=10'



PROPOSED MODIFICATIONS TO OUTLET CONTROL STRUCTURE TO ALLOW THE STORAGE OF A (1) INCH RAINFALL EVENT IN DETENTION POND "A" WITHOUT DISCHARGING FROM THE SITE.

EROSION CONTROL ACTIVITIES

Br	Buffer Zone	Br	Gr	Grade Stabilization Structure	Gr
Cs	Coastal Dune Stabilization (With Vegetation)	Cs	Lv	Level Spreader	Lv
Ds1	Disturbed Area Stabilization with Mulching Only	Ds1	Rd	Rock Filter Dam	Rd
Ds2	Disturbed Area Stabilization with Temporary Seeding	Ds2	Re	Retaining Wall	Re
Ds3	Disturbed Area Stabilization with Permanent Vegetation	Ds3	Rt	Outfitting	Rt
Ds4	Disturbed Area Stabilization with Sodding	Ds4	Sd1-A	Sediment Barriers (Type A Silt Fence)	Sd1-A
Du	Dust Control on Disturbed Slopes	Du	Sd1-B	Sediment Barriers (Type B Silt Fence)	Sd1-B
Mb	Erosion Control Matting on Disturbed Slopes	Mb	Sd1-C	Sediment Barriers (Type C Silt Fence)	Sd1-C
Pm	Polyacrylamide	Pm	Sd1-S	Sediment Barriers (Sandbags)	Sd1-S
Sb	Stream Bank Stabilization with Permanent Vegetation	Sb	Sd1-Hb	Sediment Barriers (Hay or Straw Bales)	Sd1-Hb
Tb	Tackifiers & Binders	Tb	Sd1-Bk	Brush Barrier	Sd1-Bk
Cd-S	Rip Rap Check Dam	Cd-S	Sd2-F	Temporary Inlet Sediment Trap with Filter Fabric & Supporting Frame	Sd2-F
Cd-Hb	Hay Bale Check Dam	Cd-Hb	Sd2-B	Temporary Inlet Sediment Trap with Baffle Box	Sd2-B
Ch-V	Channel Stabilization with Vegetated Lining	Ch-V	Sd2-Bg	Temporary Inlet Sediment Trap with Block & Gravel Drop Inlet Protection	Sd2-Bg
Ch-Rp	Channel Stabilization with Rip Rap Lining	Ch-Rp	Sd2-G	Temporary Inlet Sediment Trap with Gravel Drop Inlet protection	Sd2-G
Ch-C	Channel Stabilization with Concrete Lining	Ch-C	Sd2-S	Temporary Inlet Sediment Trap with Sod Inlet Protection	Sd2-S
Co	Construction Exit	Co	Sd2-P	Curb Inlet Protection (Pigs-in-a-Blanket)	Sd2-P
Cr	Construction Road Stabilization	Cr	Sd3	Temporary Sediment Basin	Sd3
Dc-A	Stream Diversion Channel w/Geotextile Polyethylene Film, or Sod	Dc-A	Sr-B	Temporary Stream Crossing with Bridge	Sr-B
Dc-B	Stream Diversion Channel with Geotextile Alone	Dc-B	Sr-C	Temporary Stream Crossing with Culvert	Sr-C
Dc-C	Stream Diversion Channel with Class I Rip Rap and Geotextile	Dc-C	St	Storm Drain Outlet Protection	St
Dl	Diversion Dike and Channel	Dl	Su	Surface Roughening	Su
Dn1	Temporary Downdrain Structure	Dn1	Tp	Topsoiling	Tp
Dn2	Permanent Downdrain Structure	Dn2	Wt	Vegetated Waterway or Stormwater Conveyance Channel	Wt
Fr	Filter Ring	Fr	Tf	Tree Protection Fence	Tf
Ga	Gabion	Ga			

SHADED AREA DENOTES INSTALLATION OF JUTE MATTING

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Revisions

Date	Description
07/15/09	1 REV. O.C. STRUCT. ON SHEET C-4b.1

DESIGN PROFESSIONAL

LEVEL II CERTIFICATION NUMBER

SHOPPING CENTER

A Development By

DEVELOPER'S NAME

LAND LOT(?) OF THE 7TH DISTRICT
CITY OF ?, ? COUNTY, GEORGIA

Drawn	Designer	Date
SCE	SCE	2009

Sheet Title
E.S.&P. CONTROL PHASE 2a - INITIAL GRADING PLAN FOR DETENTION POND "A"

Drawing Number
C-4b.1