CIVIL DESIGN DRAWINGS

FOR

SOUTH BERRY STREET SIDEWALK EXTENSION

CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA

LAND LOT 61 of the 12th DISTRICT

RECEIVED JUN 25 2013 Ka

Development Plan Review Approval
By: [signature]
Date: 7/17/13

Soil Erosion Plan Approval
By: [signature]
Date: 7/17/13

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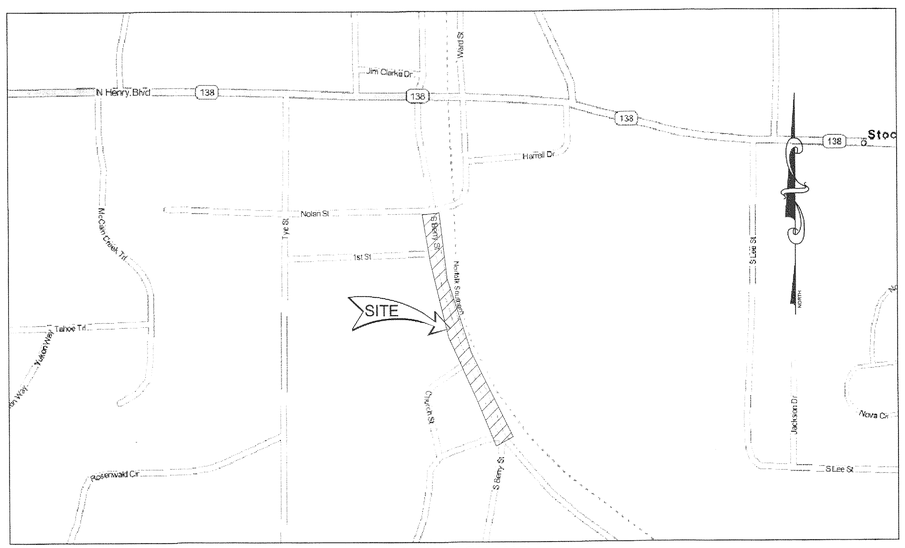
OWNER/DEVELOPER:	24 HOUR CONTACT:	SURVEYOR:	ENGINEER:
CITY OF STOCKBRIDGE 4640 NORTH HENRY BLVD STOCKBRIDGE, GA 30281 770-389-7900	CITY MANAGER DAVID MILLIRON 770-389-7900	FALCON DESIGN CONSULTANTS 2010 AVALON PARKWAY SUITE 300 McDONOUGH, GA 30253 (770) 389-8666	FALCON DESIGN CONSULTANTS 2010 AVALON PARKWAY SUITE 300 McDONOUGH, GA 30253 (770) 389-8666



LOCATION MAP
N.T.S.

NOTE: ALL SLOPE ESMTS AND RIGHT OF WAY MUST BE ACQUIRED BY THE CITY OF STOCKBRIDGE BEFORE CONSTRUCTION BEGINS.

INITIAL SUBMITTAL DATE: 9/5/12

REVISIONS	
1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	REVISED PER HENRY COUNTY COMMENTS - 3/28/13
3.	REVISED PER HENRY COUNTY COMMENTS - 6/24/13
4.	

GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER ARAMIS PRICE
6/24/13
GSWCC# 0000009371

Any REVISIONS to this set of approved plans must be submitted to the Development Plan Review Dept for approval.
Soil erosion prevention measures must be installed and inspected prior to any grading activity.
The Developer shall notify Henry Co. Building Dept (770-288-6051) at least 24 hours before any stage of construction begins.

Know what's **below.**
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72 HOURS NOTICE REQUIRED

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McDONOUGH, GEORGIA 30253
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STATE WATERS BUFFER NOTE:

THERE IS ESTABLISHED A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION. NO LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER AND A BUFFER SHALL REMAIN IN ITS NATURAL, UNDISTURBED STATE OF VEGETATION UNTIL ALL LAND DISTURBING ACTIVITIES ON THE CONSTRUCTION SITE ARE COMPLETED. ONCE THE FINAL STABILIZATION OFTHE SITE IS ACHIEVED, A BUFFER MAY BE THINNED OR TRIMMED OF VEGETATION AS LONG AS A PROTECTIVE VEGETATIVE COVER REMAINS TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY IS LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED; PROVIDED, HOWEVER, THAT ANY PERSON CONSTRUCTING A SINGLE FAMILY RESIDENCE, WHEN SUCH RESIDENCE IS CONSTRUCTED BY OR UNDER CONTRACT WITH THE OWNER FOR HIS OR HER OWN OCCUPANCY, MAY THIN OR TRIM VEGETATION IN A BUFFER AT ANY TIME AS LONG AS PROTECTIVE VEGETATIVE COVER REMAINS TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY IS LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM.

GRADING NOTES: PLACEMENT AND COMPACTION

1. GROUND SURFACE PREPARATION: REMOVE VEGETATION INCLUDING GRASS, ROOTS, AND SURFICIAL ORGANICS, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACEMENT OF FILLS. PLOW STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERT. TO 2 HORIZ. SO THAT FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN EXISTING GROUND SURFACE HAS A DENSITY LESS THAN THAT SPECIFIED UNDER COMPACTION FOR PARTICULAR AREA CLASSIFICATION, BREAK UP GROUND SURFACE, PULVERIZE, MOISTURE CONDITION TO OPTIMUM MOISTURE CONTENT, AND COMPACT TO REQUIRED DEPTH AND PERCENTAGE OF MAXIMUM DENSITY.

2. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 12 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 6 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.

3. BEFORE COMPACTION, MOISTEN AND AERATE EACH LAYER AS NECESSARY TO OBTAIN OPTIMUM MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DRY DENSITY OR RELATIVE DRY DENSITY FOR EACH AREA CLASSIFICATION. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN OR CONTAIN FROST OR ICE.

4. COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OF FILL MAT'L TO 100 % OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY TO A DEPTH OF 6" BELOW BOTTOM OF FINAL GRADE.

5. MOISTURE CONTROL: WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MAT'L. APPLY WATER IN MINIMUM QUANTITY AS NECESSARY TO PREVENT FREE WATER FROM APPEARING ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS.

6. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY.

7. SPREAD SOIL MATERIAL THAT HAS BEEN REMOVED BECAUSE IT IS TOO WET TO PERMIT COMPACTION. ASSIST DRYING BY DISCING, HARROWING, OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO A SATISFACTORY VALUE.

8. QUALITY CONTROL TESTING DURING CONSTRUCTION: ALLOW GEOTECHNICAL TESTING SERVICE TO INSPECT AND APPROVE EACH SUB-GRADE AND BACKFILL OR FILL LAYER BEFORE FURTHER BACKFILL OR CONSTRUCTION WORK IS PERFORMED. TEST SHALL BE PERFORMED EVERY 10,000 SQ. FT. OF AREA PER ONE FOOT LIFT (OR AS DIRECTED BY A REGISTERED GEOTECHNICAL ENGINEER).

9. GEOTECHNICAL SPEC'S DEPICTED HEREON ARE GUIDELINES ONLY AND SHOULD BE VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. RECOMMENDATIONS FROM A REGISTERED GEOTECHNICAL ENGINEER (IF ANY) SHALL SUPERSEDE THE ABOVE REFERENCED SPEC'S.

10. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF THE DISCOVERY OF ANY GROUNDWATER, SUBSURFACE SEEPAGE OR SPRINGS DURING THE COURSE OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE ENGINEER TO CONSULT WITH A REGISTERED GEOTECHNICAL ENGINEER TO INSPECT THE SITE, AND TO MAKE ANY RECOMMENDATIONS REGARDING EVIDENCE AND REMEDIATION (IF ANY) OF SAID SUBSURFACE WATERS.

11. ALL CUT SLOPES SHALL BE LESS THAN OR EQUAL TO 2:1 (WITH THE EXCEPTION OF DETENTION AND SEDIMENT PONDS), FILL SLOPES SHALL BE LESS THAN OR EQUAL TO 3:1. POND SLOPES SHALL BE 3:1 UNLESS OTHERWISE NOTED.

12. HENRY COUNTY & THE CITY OF STOCKBRIDGE ASSUME NO RESPONSIBILITY FOR THE OVERFLOW OR EROSION OF NATURAL DRAINS OR THE MAINTENANCE OF STORM DRAINS BEYOND THE EXTENT OF THE STREET RIGHT OF WAY.

GENERAL NOTES:

1. CAUTION, UNDERGROUND SERVICE ALERT! THE CONTRACTOR SHALL TELEPHONE TOLL FREE 1-800-282-7411 A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY EXCAVATION AS SHOWN AND NOTED ON THE APPROVED PLANS.

2. ALL NECESSARY PERMITS TO PERFORM THE WORK AS SHOWN AND NOTED HEREON SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION FROM HENRY COUNTY.

3. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE RULES, REGULATIONS AND STANDARDS OF THE G.D.O.T. (DEPARTMENT OF TRANSPORTATION), THE CITY OF STOCKBRIDGE, AND HENRY COUNTY .

4. UNDERGROUND UTILITY LINE LOCATIONS (IF ANY) ARE APPROX. ONLY, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF ANY SUCH UTILITIES. UTILITIES SHOWN ON PLANS ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY EXISTING UTILITIES WILL EFFECT OR IMPEDE THE PROGRESSION OR COMPLETION OF THE DESIGN INTENT OF THESE CONSTRUCTION DOCUMENTS.

5. THERE IS NOT A 100 YEAR FLOOD PLAIN ON THIS SITE PER FEMA FLOOD PLAIN COMMUNITY PANEL NUMBER 13151C0086C, DATED MAY 16, 2006.

6. THERE ARE LIVE STREAMS AND/OR WETLANDS LOCATED WITHIN 200 FT. OF THIS PROJECT SITE.

7. THE CONTRACTOR SHALL COORDINATE RELOCATION OF ANY EXISTING UTILITIES WITH THE APPROPRIATE UTILITY ENTITY PRIOR TO THE START OF ANY CONSTRUCTION.

8. THE ENGINEER SHALL DIRECT THE CONTRACTOR AS TO WHAT EXISTING VEGETATION ON SITE SHALL BE REMOVED BEYOND THE CLEARING LIMITS AS SHOWN AND NOTED HEREON. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN PROTECTING EXISTING TREES. COORDINATE ALL TREE REMOVAL WITH OWNER PRIOR TO THE START OF ANY CONSTRUCTION.

9. MISCELLANEOUS MAPPING NOTES:

A. UTILITIES SHOWN ARE LOCATIONS OF GROUND IDENTIFIABLE ITEMS. ADDITIONAL UTILITIES MAY EXIST ABOVE OR BELOW THE GROUND. THE SURVEYOR & ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE COMPLETENESS OF THIS DATA.

B. THIS PROPERTY IS SUBJECT TO ALL RIGHT-OF-WAYS & EASEMENTS SHOWN OR NOT SHOWN, RECORDED OR NOT RECORDED.

10. THE CONTRACTOR SHALL REMOVE AND ABANDON EXISTING UTILITIES ONLY AFTER APPROVAL FROM ALL INTERESTED PARTIES. THESE FACILITIES MAY INCLUDE, BUT NOT BE LIMITED TO: EXISTING ON-SITE DRAINAGE PIPING, ON-SITE PRIVATE ELECTRICAL LINES AND APPURTENANCES, ABANDONED EROSION CONTROL DEVICES AND STRUCTURES. THE CONTRACTOR SHALL COORDINATE ANY AND ALL ABANDONMENT AND/OR RELOCATION WITH THE APPROPRIATE UTILITY COMPANIES OR ENTITY. ANY DISPOSAL OF SAID FACILITIES SHALL BE DONE IN ACCORDANCE WITH LOCAL UTILITY AND/OR GOVERNMENTAL REGULATIONS. RELOCATION AND/OR ABANDONMENT OF SAID FACILITIES AND/OR UTILITIES SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR. PERMITS (IF ANY) SHALL BE OBTAINED BY THE CONTRACTOR AND/OR ENGINEER.

11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT PRIOR TO ORDERING PROJECT MATERIALS, THAT THE MOST CURRENT SET OF CONSTRUCTION DOCUMENTS HAVE BEEN OBTAINED FROM THE PROJECT ENGINEER INCLUDING, BUT NOT LIMITED TO, THE PERMITTED SET(S) FROM ALL APPLICABLE AGENCIES AS APPROPRIATE. THE PROJECT ENGINEER ACCEPTS NO RESPONSIBILITY FOR IMPROPER ORDERING OF MATERIALS.

12. ALL CONSTRUCTION MUST CONFORM TO GDOT, HENRY COUNTY, AND/OR CITY OF STOCKBRIDGE STANDARDS AND SPECIFICATIONS, WHETHER OR NOT REVIEW COMMENTS WERE MADE.

13. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION AND STORMWATER MANAGEMENT FACILITIES ARE CONSTRUCTED.

14. SILT BARRIERS TO BE PLACED AS SHOWN AND/OR AS DIRECTED BY PROJECT ENGINEER AND/OR HENRY COUNTY INSPECTOR.

15. NOTIFY INSPECTOR 24 HOURS PRIOR TO CONSTRUCTION.

16. BURIAL PITS ARE NOT ALLOWED.

17. THE OWNER AND ENGINEER HAVE REVIEWED THE APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING DEVELOPMENT ACTIVITIES ADJACENT TO FLOOD PLAINS AND WETLANDS AND HAVE DETERMINED THAT THIS DEVELOPMENT PLAN SATISFIES THE STANDARDS PRESENTED IN APPLICABLE REGULATIONS.

18. ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

19. TRAFFIC CONTROL PLAN, SIGNING, AND STRIPING TO BE PROVIDED BY THE CONTRACTOR ACCORDING TO GDOT AND M.U.T.C.D. SPECIFICATIONS FOR TRAFFIC SAFETY.

20. ALL FILL AREAS MUST BE COMPACTED TO A MINIMUM OF 100 % STANDARD PROCTOR.

21. ALL STORM PIPE AND STRUCTURES SHALL COMPLY WITH GDOT STANDARDS FOR DESIGN, CONSTRUCTION, AND INSTALLATION.

22. INVERTS ON ALL STORM STRUCTURES SHALL BE PAVED SMOOTH.

23. ALL METAL PIPES USED FOR STORMWATER MUST BE BCCMP WITH RE-ROLLED ENDS AND HUGGER / CORREGATED BANDS FOR CONNECTION.

24. EASEMENTS & RIGHT OF WAY MUST BE OBTAINED BY THE CITY OF STOCKBRIDGE PRIOR TO CONSTRUCTION ACTIVITY.

UTILITY CONTACTS:

WATER	CITY OF STOCKBRIDGE	KEVIN WALTER
SEWER	CITY OF STOCKBRIDGE	KEVIN WALTER
GAS	ATLANTA GAS LIGHT	GREG TANKERSLY
TELEPHONE	AT&T	KEN RECTOR
CABLE	CHARTER COMMUNICATIONS	JASON JOHNSON
ELECTRIC	GEORGIA POWER	JOHN WISEHART
RAILROAD	NORFOLK SOUTHERN	ERIC SYLVESTER

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GENERAL NOTES
FOR
SOUTH BERRY STREET
SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
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DRAWN BY:	SPH

GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER
7/24/13

GSWCC# 0000009371

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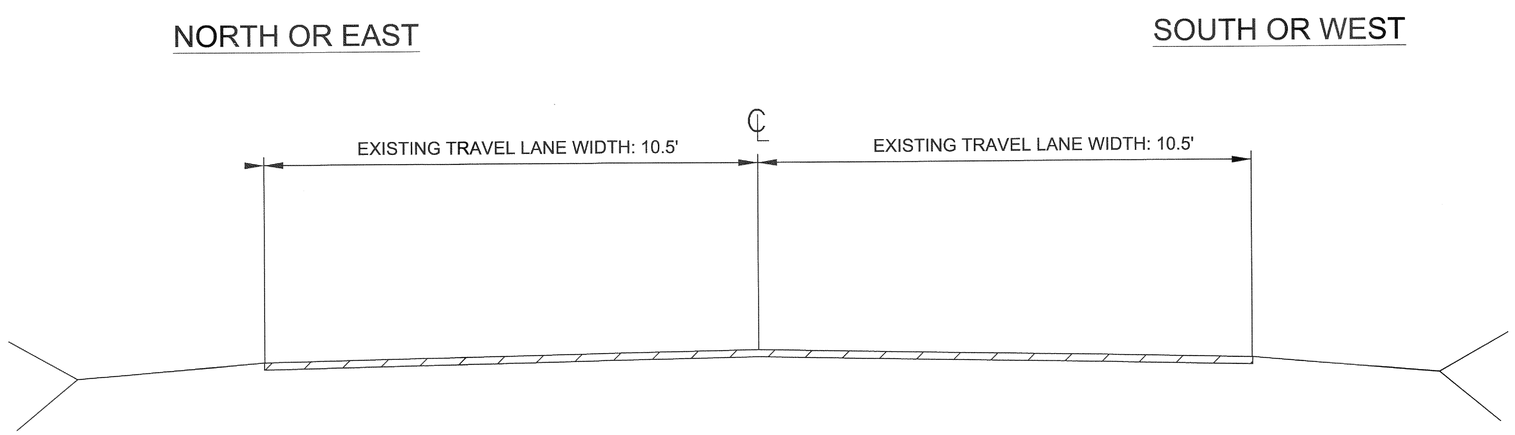
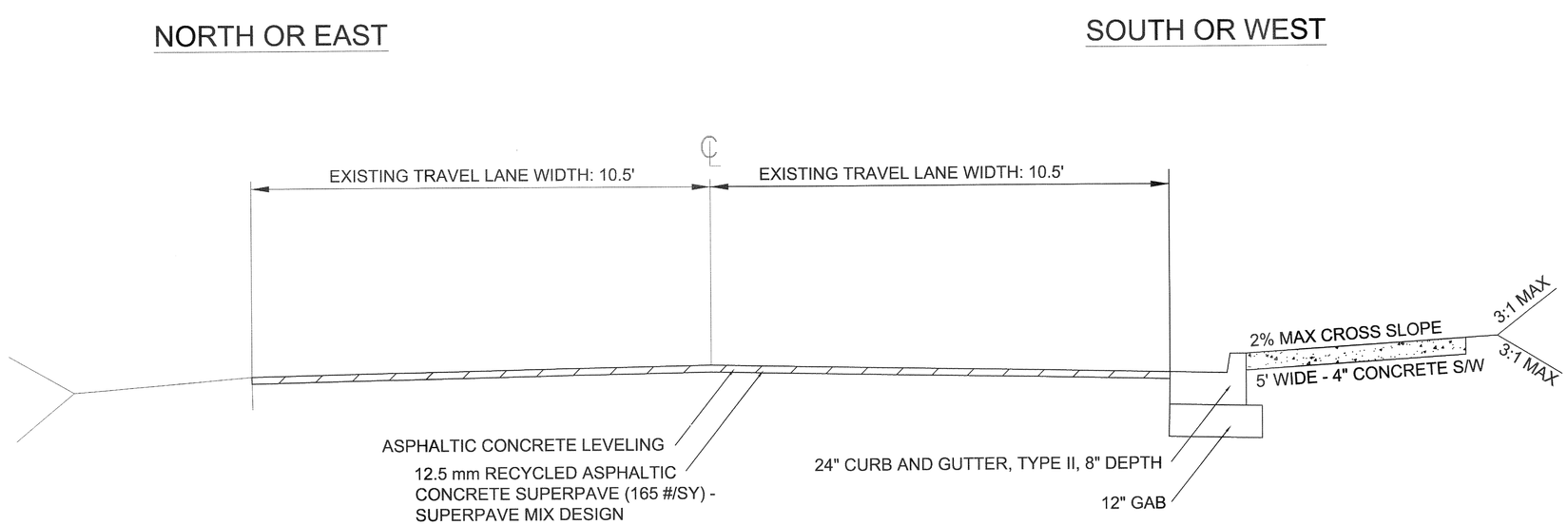


EXISTING ROAD SECTION
NTS



PROPOSED ROAD SECTION
NTS

FALCON DESIGN ENGINEERING PLANNING SURVEYING
2010 AVALON PARKWAY, SUITE 100
MCDONOUGH, GEORGIA 30253
(678) 583-8660 FAX (678) 583-8666
VISIT US ON-LINE: WEBSITE: www.falcondesign.com

TYPICAL SECTION
FOR
SOUTH BERRY STREET
SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS
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SUMMARY OF QUANTITIES:

Section: ROADWAY ITEMS			
Item Number	Quantity	Units	Item Description
005-0023	6	EACH	HANDICAPPED RAMPS
150-1000	1	LS	TRAFFIC CONTROL
210-0100	1	LS	GRADING COMPLETE
310-5060	20.5	TN	12" GAB UNDER CURB
402-3103	212	TN	RECYCLED ASPH CONC, 12.5 MM SUPERPAVE, TYPE II, GP 2 ONLY, INCL BITUM MATL & H LIME
432-0206	212	SY	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH
441-0106	545	SY	5' CONCRETE SIDEWALK, 4 IN
441-6012	972	LF	24" CURB & GUTTER
444-2000	972	LF	SAWCUT EXISTING ASPHALT
611-8140	1	EACH	ADJUST WATER METER BOX TO GRADE
653-1704	21	LF	THERMOPLASTIC TRAFFIC STRIPE, 24 IN, WHITE
653-1804	270	LF	THERMOPLASTIC TRAFFIC STRIPE, 8 IN, WHITE
653-2501	972	LF	THERMOPLASTIC TRAFFIC STRIPE, 5 IN, WHITE
653-2502	1672	LF	THERMOPLASTIC TRAFFIC STRIPE, 5 IN, YELLOW
670-9710	1	EACH	RELOCATE EXISTING FIRE HYDRANT
Section: EROSION CONTROL ITEMS			
163-0232	0.5	AC	TEMPORARY GRASSING
163-0240	2	TN	MULCH
165-0010	600	LF	MAINTENANCE OF SILT FENCE, TP C
171-0030	600	LF	TEMPORARY SILT FENCE, TP C
603-1012	5	TN	RIP RAP
700-6910	0.5	AC	PERMANENT GRASSING
700-7000	1	TN	AGRICULTURAL LIME
700-7010	2	GL	LIQUID LIME
700-8000	1	TN	FERTILIZER MIXED GRADE
700-8100	30	LB	FERTILIZER NITROGEN CONTENT
Section: DRAINAGE ITEMS			
441-6000	1	EA	STRAIGHT HEADWALL
550-1150	10	LF	15" STORM DRAIN PIPE
550-1180	45	LF	18" STORM DRAIN PIPE
550-1240	8	LF	24" STORM DRAIN PIPE
550-3318	1	EA	SAFETY END SECTION
668-1100	4	EA	CATCH BASIN, GP 1
668-4300	5	EA	STORM SEWER MANHOLE

NOTE: CONTRACTOR TO VERIFY ALL QUANTITIES LISTED. FALCON DESIGN CONSULTANTS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS FROM QUANTITY TABLE ABOVE.

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SUMMARY OF QUANTITIES
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SOUTH BERRY STREET
SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

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EROSION, SEDIMENTATION AND POLLUTION CONTROL NOTES:

1. THE RECEIVING WATER FOR THE PROJECT IS AN UNNAMED TRIBUTARY OF REEVES CREEK.
THE SITE IS THE GRASSED SHOULDER OF BERRY STREET WITH SOME TREES LOCATED WITHIN THE CLEARING LIMITS.

2. 24 HOUR CONTACT PERSON: CITY ADMINISTRATOR DAVID MILLIRON (770) 389-7900.

3. TOTAL DISTURBED AREA FOR THIS PROJECT: 0.50 ACRES.

4. STATE WATERS AND OR WETLANDS ARE LOCATED WITHIN 200 FEET OF SITE DISTURBED AREA. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 FOOT UNDISTURBED STREAM BUFFER AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST AQUIRING THE NECESSARY VARIANCES AND PERMITS .

5. THE PRE-EXISTING RUNOFF CURVE NUMBER ON-SITE IS CN=55. THE POST CONSTRUCTION RUNOFF CURVE NUMBER IS APPROXIMATELY CN=85.

6. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN, OR AN APPROVED ALTERNATE DESIGN PROFESSIONAL, WILL INSPECT THE INITIAL INSTALLATION OF THE BMPs INSTALLED ON THE SITE WITHIN 7 DAYS OF WHEN THE INITIAL CONSTRUCTION BEGINS AND ONCE NOTIFIED BY THE SITE OWNER/OPERATOR.

7. **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.**

8. ANY AMENDMENTS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL AND SUBMITTED TO THE LOCAL ISSUING AUTHORITY FOR APPROVAL.

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

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

11. CONSTRUCTION EXIT TO BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADS. CONSTRUCTION EXIT STONE SIZE TO BE A.S.T.M. 0448, SIZE #1 (1-1/2" TO 3-1/2" DIAMETER) WITH A MIN. PAD THICKNESS OF 6".

12. ALL SILT FENCE SHALL COMPLY WITH G.D.O.T. STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE A LETTER OF WARRANTY THAT MATERIALS MEET THESE SPECIFICATIONS AND THAT THE FABRIC IS ON G.D.O.T. Q.P.L. #36.

13. NOTIFY THE LOCAL ISSUING AUTHORITY 24 HOURS PRIOR TO COMMENCING WORK. NO CLEARING, GRADING, FILLING, OR OTHER LAND DISTURBING ACTIVITIES SHALL OCCUR UNTIL APPROVED EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED, EXCEPT THOSE ACTIVITIES REQUIRED TO INSTALL THE NEEDED EROSION AND SEDIMENT CONTROL MEASURES. EROSION CONTROL MEASURES WILL BE CONSTRUCTED AS REQUIRED BY THE DESIGN PROFESSIONAL OR THE LOCAL ISSUING AUTHORITY, IN ACCORDANCE WITH "THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION. PLEASE REFER TO THE EROSION AND SEDIMENT CONTROL DETAIL SHEET FOR ADDITIONAL NOTATIONS AND MISCELLANEOUS DETAILS.

14. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUOUSLY MAINTAINED BY THE OWNER/OPERATOR DURING THE ENTIRE CONSTRUCTION PROCESS. TEMPORARY MEASURES SHALL BE REMOVED ONLY AFTER PERMANENT STABILIZATION OF ALL DITCHES, SHOULDERS, SLOPES AND ALL DISTURBED AREAS IS ACCOMPLISHED. TO FACILITATE ACCEPTANCE OF THE STREETS AND IMPROVEMENTS PRIOR TO THE ESTABLISHMENT OF SUCH PERMANENT STABILIZATION, A SPECIFIC BOND IN THE AMOUNT OF A SPECIFIC PROPOSAL FOR THE COST OF MAINTAINING THE TEMPORARY CONTROL MEASURES INCLUDING TEMPORARY GRASSING AND ESTABLISHING THE PERMANENT STABILIZATION WITHIN A REASONABLE TIME RELATIVE TO THE GROWING SEASON MAY BE REQUIRED BY THE LOCAL ISSUING AUTHORITY WITH THE DEEDS AND REQUEST FOR ACCEPTANCE.

15. **POLLUTION CONTROLS:**
POLLUTION CONTROL MEASURES FOR THE SITE INCLUDE PROPER WASTE DISPOSAL, PROPER MANAGEMENT OF CHEMICAL STORAGE TANKS, EROSION FROM EGRESSES, SANITARY SEWAGE DISPOSAL AND ON-SITE VEHICLE STORAGE AND MAINTENANCE. NO DEBRIS THAT IS GENERATED WILL BE BURIED ON SITE.

(1) WASTE DISPOSAL:
SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE PROPERLY DISPOSED OF OR REMOVED FROM THE SITE TO AN APPROPRIATE LANDFILL, AND SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. CLEANUP AND DISPOSAL OF ALL WASTE MATERIALS (SOLID OR HAZARDOUS) SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE TO APPROVED OFF-SITE WASTE FACILITIES.

ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE APPROPRIATE ONSITE OR OFFSITE LOCATION. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

(2) OFFSITE VEHICLE TRACKING:
OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. A STABILIZED CONSTRUCTION ENTRANCE HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE CLEANED AS NECESSARY TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN ON AN AS NEEDED BASIS. A CONCRETE TRUCK WASHOUT LOCATION SHALL BE IN A TEMPORARY TRUCK WASH AREA LOCATED AT THE SITE ENTRANCE. WASHOUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE OR IMPACTING VEGETATED OR NON-DISTURBED AREAS.

WASHOUT OF THE CONCRETE DRUM AT THE SITE IS PROHIBITED.

(3) SANITARY WASTE:
AS SITE CONDITIONS WARRANT, ALL SANITARY WASTE WILL BE MANAGED APPROPRIATELY BY EITHER AN ONSITE PORTABLE UNIT(S) COLLECTED AT A MINIMUM OF ONCE PER WEEK BY THE LOCAL MUNICIPALITY AND/OR STATE OF GEORGIA LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, OR WITH A MANAGEMENT PLAN THAT ROUTES INDIVIDUALS TO A LEGAL AND APPROPRIATE SANITARY WASTE FACILITY.

(4) SPILL REMEDIATION MANAGEMENT PRACTICES:
THE FOLLOWING ARE THE BEST MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES, AS WELL AS A CLEAN-UP PLAN IF NECESSARY.

RISK REDUCTION: PETROLEUM, FERTILIZERS AND PAINT PRODUCTS
- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
- PRODUCTS WILL BE STORED IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL, AND MUST BE KEPT OFF THE GROUND IN SECURELY FASTENED LIDS.
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER PRACTICAL, ALL OF A PRODUCT WILL BE USED BEFORE DISPOSING OF THE CONTAINER.
- MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.
- ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS (MSDS) WILL BE RETAINED.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.
- ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.
- ALL PRODUCTS SHALL BE STORED AND USED IN AN AREA THAT PROVIDES A SECONDARY CONTAINMENT FEATURE, AND SHALL BE LOCATED IN AN AREA WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR. FACILITIES SHOULD BE COVERED AND ACCESS RESTRICTED TO EMPLOYEES ONLY.
- FERTILIZERS USED WILL BE APPLIED ONLY IN MINIMUM AMOUNTS AS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
- KEEP FLAMMABLE LIQUIDS IN CLOSED CONTAINERS WHEN NOT IN USE.
- USE PROPER RECEPTACLES TO DISPOSE OF CONTAMINATED WASTES THAT CANNOT BE RECYCLED IN CONFORMANCE WITH FEDERAL, STATE AND/OR LOCAL REGULATIONS.
- DO NOT DUMP PETROLEUM PRODUCT WASTE, PESTICIDES, FERTILIZERS, PAINTS OR OTHER CHEMICALS INTO SEWERS, STORMDRAINS OR DRAINAGE CHANNELS.
- PREVENT SPILLS OF PETROLEUM PRODUCTS FROM OCCURRING BY TAKING SPECIAL CARE WHEN HANDLING, AND KEEP FACILITIES AND EQUIPMENT MAINTAINED.
- USE SPILL PROOF CONTAINERS AND FUNNELS WHEN TRANSFERRING FLUIDS FROM ONE CONTAINER TO ANOTHER.
- POST INFORMATIONAL MATERIALS REGARDING CHEMICAL CONTROL.

SPILL CONTROL PLAN: THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
- EMERGENCY CONTACT NUMBERS FOR SPILLS SHALL BE AVAILABLE ON-SITE.
- MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE ON SITE.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE AVAILABLE ON-SITE.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- KEEP TRAINED STAFF IN SPILL RESPONSE ON CALL.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE LOCAL OR FEDERAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE FOLLOWING MATERIALS OR SUBSTANCES ARE ANTICIPATED TO BE PRESENT ONSITE DURING CONSTRUCTION: CONCRETE AND ASPHALT; CRUSHER RUN BASE MATERIAL; DETERGENTS; PAINTS (ENAMEL AND LATEX); METAL STUDS; CONCRETE; TAR; FERTILIZERS; PETROLEUM BASED PRODUCTS; CLEANING SOLVENTS; WOOD; MASONRY BLOCK.

16. ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREA THAT PROVIDES A SECONDARY CONTAINMENT FEATURE, AND SHALL BE LOCATED IN AN AREA WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR. EMERGENCY CONTACT NUMBERS AND PROCEDURES FOR SPILLS SHALL BE AVAILABLE ON-SITE.

17. WASTE DISPOSAL: SOLID MATERIALS, INCLUDING BUILDING MATERIALS WILL BE DISPOSED OF OFF SITE AND THEREFORE WILL NOT BE DISCHARGED TO WATERS OF THE STATE FROM THE CONSTRUCTION SITE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

18. ALL POTENTIAL POLLUTION SOURCES WILL BE IDENTIFIED, INCLUDING PETROLEUM PRODUCT STORAGE, CONCRETE HANDLING, HERBICIDES AND ANY OTHER POLLUTANTS WHICH HAVE THE POTENTIAL TO BE EXPOSED TO RAINFALL AND BE DISCHARGED IN THE STORM WATER RUNOFF. PRACTICES WILL BE IMPLEMENTED TO ENSURE THE REDUCTION OF THESE POLLUTANTS IN STORM WATER DISCHARGES.

STRUCTURAL PRACTICES

Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT		Co (Label)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION		Cr	A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas, and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL		Dc	A temporary channel constructed to convey flow around a construction site while a permanent structure is being built.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWN DRAIN STRUCTURE		Dn1 (Label)	A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWN DRAIN STRUCTURE		Dn2 (Label)	A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Ga	GABION			Rock filled baskets which are hand placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE		Gr (Label)	Permanent structures installed to protect natural or artificial channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL		Re (Label)	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETROFITTING		Rt (Label)	A device or structure placed in front of a permanent storm water detention pond outlet structure to severe as a temporary sediment filter.
Sd1	SEDIMENT BARRIER		TYPE (Indicate Type)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales or straw or hay, brush, logs and poles, gravel, or a sediment fence. The barriers are usually temporary and inexpensive.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out. The basin is usually temporary but may be designed as a permanent pond or storm water retention device.

STRUCTURAL PRACTICES

Sr	TEMPORARY STREAM CROSSING		Sr (Label)	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORM DRAIN OUTLET PROTECTION		St	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING		Su	A rough soil surface with horizontal depressions on a contour of slopes left in a roughened condition after grading.
Tp	TOP SOILING		Tp (Show Striping & Storage Areas)	The practice of stripping off the more fertile top soil, storing it, then spreading it over the disturbed area after the completion of construction activities.
Wt	VEGETATED WATERWAY OR STORM WATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

VEGETATIVE MEASURES

Bf	BUFFER ZONE		Bf (Label)	An undisturbed natural "green belt" separating the land-disturbed site from surrounding property and bordering streams. It serves to reduce water velocity and remove some sediment. It is also at times a noise or "vision pollution" barrier.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Established temporary protection for disturbed areas where seedings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		Ds3	Establishing permanent vegetative cover such as trees, shrubs, vines, grasses, sod, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)		Ds4	A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction sites, roadways and similar sites.
Mb	EROSION CONTROL MATTING AND BLANKETS		Mb	The installation of a protective covering (blanket) or or soil stabilization mat on a prepared planting area of a steep slope, channel, or shoreline.
Pm	POLYACRYLAMIDE (PAM)		Pm	The land application of product containing anionic polyacrylamide (PAM) as temporary soil binding agents to reduce soil erosion.
Sb	STREAMBANK STABILIZATION (USING PERMANENT VEGETATION)		Sb	The use of readily available plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Tb	TACKIFIERS AND BINDERS		Tb	Substance used to anchor straw or hay mulch by causing the organic material to bind together.

FOR FURTHER EXPLANATION OF THE SYMBOLS AND CONSTRUCTION PRACTICES WE REFER YOU TO THE MANUAL FOR SEDIMENTATION AND EROSION CONTROL PER THE "SEDIMENTATION AND EROSION ACT OF 1975 FOR GEORGIA."

EROSION CONTROL LEGEND

NTS

SITE 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 DIRECT SUPERVISION."

ENGINEER SIGNATURE ______ DATE 6/24/13

OUTLET PROTECTION TABLE

OUTLET No.	Do PIPE SIZE	La (FEET)	W_1 (FEET)	W_2 (FEET)	d50 RIP-RAP SIZE	RIP-RAP AREA
B	18"	10.0'	4.5'	11.5'	0.3'	80 SF.
D	15"	8.0'	4.0'	10.0'	0.3'	56 SF.

EROSION CONTROL CALCULATIONS:

(ALL STAGES)
TOTAL PROJECT AREA: +/- 0.50 ACRES
TOTAL DISTURBED AREA: +/- 0.50 ACRES
REQUIRED STORAGE VOLUME: 67 CY / AC
67 CY * 0.50 AC. = 33.5 CY

TOTAL STORAGE PROVIDED:
SILT FENCE: 600 LF x 16.67 CY/100 LF = 100 CY

CONSTRUCTION ACTIVITY SCHEDULE

ESTIMATED START DATE: AUGUST 2013

INITIAL PHASE	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	END OF PROJECT
INSTALL SILT FENCE AND TREE PROTECTION FENCES	■							
CLEARING AND GRUBBING	■							
GRASSING	■	■						
CONSTRUCT CURB & GUTTER PAVING AND SIDEWALKS	■	■						
MAINTENANCE OF EROSION, SEDIMENTATION, POLLUTION CONTROL, AND TREE PROTECTION MEASURES	■	■						

CONTRACTOR/ DEVELOPER MAY NEED TO ADJUST SCHEDULE BASED ON SPECIFIC FIELD CONDITIONS.

FALCON DESIGN
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MCDONOUGH, GEORGIA 30253
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EROSION CONTROL NOTES
FOR
SOUTH BERRY STREET
SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS
1. REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2. REVISED ESTIMATED START DATE - 6/24/13
3.
4.

811 Know what's below. Call before you dig.
UTILITIES PROTECTION CENTER
1 (800) 282-7411 THROUGHOUT GEORGIA
OR DIAL 811

DATE:	9/5/12
SCALE:	
FILE NUMBER:	C3D ENG 00
DRAWN BY:	SPH

GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER ADAM L. PRICE 6/24/13

GSWCC# 0000009371

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SHEET NUMBER
2.0

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EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD:________HENRY_______________________________________

Project Name:_____BERRY ST. SIDEWALK PROJECT_____ Address:_____________________________

City/County:____STOCKBRIDGE____________________ Date on Plans:________9/5/12__________________

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
2.1	Y	1. The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
ALL	Y	2. Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)
1.0	Y	3. The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
1.0	Y	4. Provide name, address and phone number of primary permittee.
4.0	Y	5. Note total and disturbed acreage of the project or phase under construction.
ALL	Y	6. Provide land lot and district numbers for site location. Describe critical areas and any additional measures that will be utilized for these areas.
1.0	Y	7. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
4.0	Y	8. Graphic scale and north arrow.
4.0	Y	9. Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours: USGS 1":2000' Topographical Sheets; Proposed Contours: 1" : 400' Centerline Profile
4.0,#2	Y	10. Delineation and acreage of contributing drainage basins on the project site.
4.0	Y	11. Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
4.0	Y	12. Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
	N/A	13. Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
2.0	Y	14. Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
4.0	Y	15. Soil series for the project site and their delineation.
4.0	Y	16. Identify the project receiving waters and describe all adjacent areas including streams, lakes, residential areas, wetlands, etc. which may be affected.
	N/A	17. Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
	N/A	18. If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 18 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
4.0, #2	Y	19. Delineate on-site drainage and off-site watersheds using USGS 1" : 2000' topographical sheets.
1.0	Y	20. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
4.0	Y	21. The limits of disturbance for each phase of construction.
2.0	Y	22. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written rationale explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls.
	N/A	23. Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
2.0	Y	24. Best Management Practices to minimize off-site vehicle tracking of sediments and the generation of dust.
	N/A	25. BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
	N/A	26. Provide BMPs for the remediation of all petroleum spills and leaks.*
4.0	Y	27. Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
4.0	Y	28. Description of the nature of construction activity.
	N/A	29. A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. *
2.0	Y	30. Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
	N/A	31. Description of the practices that will be used to reduce the pollutants in storm water discharges.*
	N/A	32. Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
2.0	Y	33. Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
	N/A	34. Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 14 of the permit.*
	N/A	35. Certification statement and signature of the permittee or the duly authorized representative as stated in section V.G.2.d. of the state general permit.*
2.0	Y	36. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
2.0,#4	Y	37. Indication that non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits.
	N/A	38. Indication that the design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation.*
	N/A	39. Indication that amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.*
	N/A	40. Indication that waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.*
	N/A	41. Documentation that the ES&PC Plan is in compliance with waste disposal, sanitary sewer, or septic tank regulations during and after construction activities have been completed.*
	N/A	42. Provide complete requirements of inspections and record keeping by the primary permittee.*
	N/A	43. Provide complete requirements of sampling frequency and reporting of sampling results.*
	N/A	44. Provide complete details for retention of records as per Part IV.F. of the permit.*
	N/A	45. Description of analytical methods to be used to collect and analyze the samples from each location.*
	N/A	46. Appendix B rationale for outfall sampling points where applicable.*
2.0,#9	Y	47. Clearly note statement in bold letters- **"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."**
2.0,#7	Y	48. Clearly note maintenance statement in bold letters - **"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."**
2.0, #10	Y	49. Clearly note the statement in bold letters - **"Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."**
9.0-9.1	Y	50. Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
9.0-9.1	Y	51. Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

Effective January 1, 2012

FALCON DESIGN
ENGINEERING PLANNING SURVEYING
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ESPCP CHECKLIST
FOR
SOUTH BERRY STREET
SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	
3.	
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SHEET NUMBER
2.1

LEGEND

LL	LAND LOT
OTP	OPEN TOP PIPE
RB	REBAR
CTP	CRIMP TOP PIPE
-E-	OVERHEAD POWER LINE
sq ft	SQUARE FOOT
POB	POINT OF BEGINNING
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
PP	POWER POLE
P/L	PROPERTY LINE

REQUIRED RIGHT-OF-WAY

REQUIRED EASEMENT FOR THE CONSTRUCTION OF THE SLOPES

TOPOGRAPHIC SURVEY NOTES

1. THE TOPOGRAPHIC DATUM FOR THIS SURVEY IS BASED ON HENRY COUNTY GIS MONUMENTS.

2. THE CONTOUR INTERVAL EQUALS ONE FOOT.

3. EXISTING UTILITIES SHOWN ARE FOR REFERENCE ONLY. THE FIRM OF "FALCON DESIGN CONSULTANTS, LLC" DOES NOT CERTIFY TO THE ACCURACY OF THE UNDERGROUND UTILITIES SHOWN OR NOT SHOWN HEREON. CONTACT THE UTILITIY PROTECTION CENTER AT 1-800-282-7411 PRIOR TO ANY DIGGING.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

FALCON DESIGN
ENGINEERING PLANNING SURVEYING
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EXISTING CONDITIONS
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61 ; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	
3.	
4.	

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UTILITIES PROTECTION CENTER
1-800-282-7411 (GEORGIA)
OR DIAL 811

DATE:	9/5/12
SCALE:	1"=50'
FILE NUMBER:	C3D ENG 00
DRAWN BY:	SPH

GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER
6/24/13

GSWCC# 0000009371

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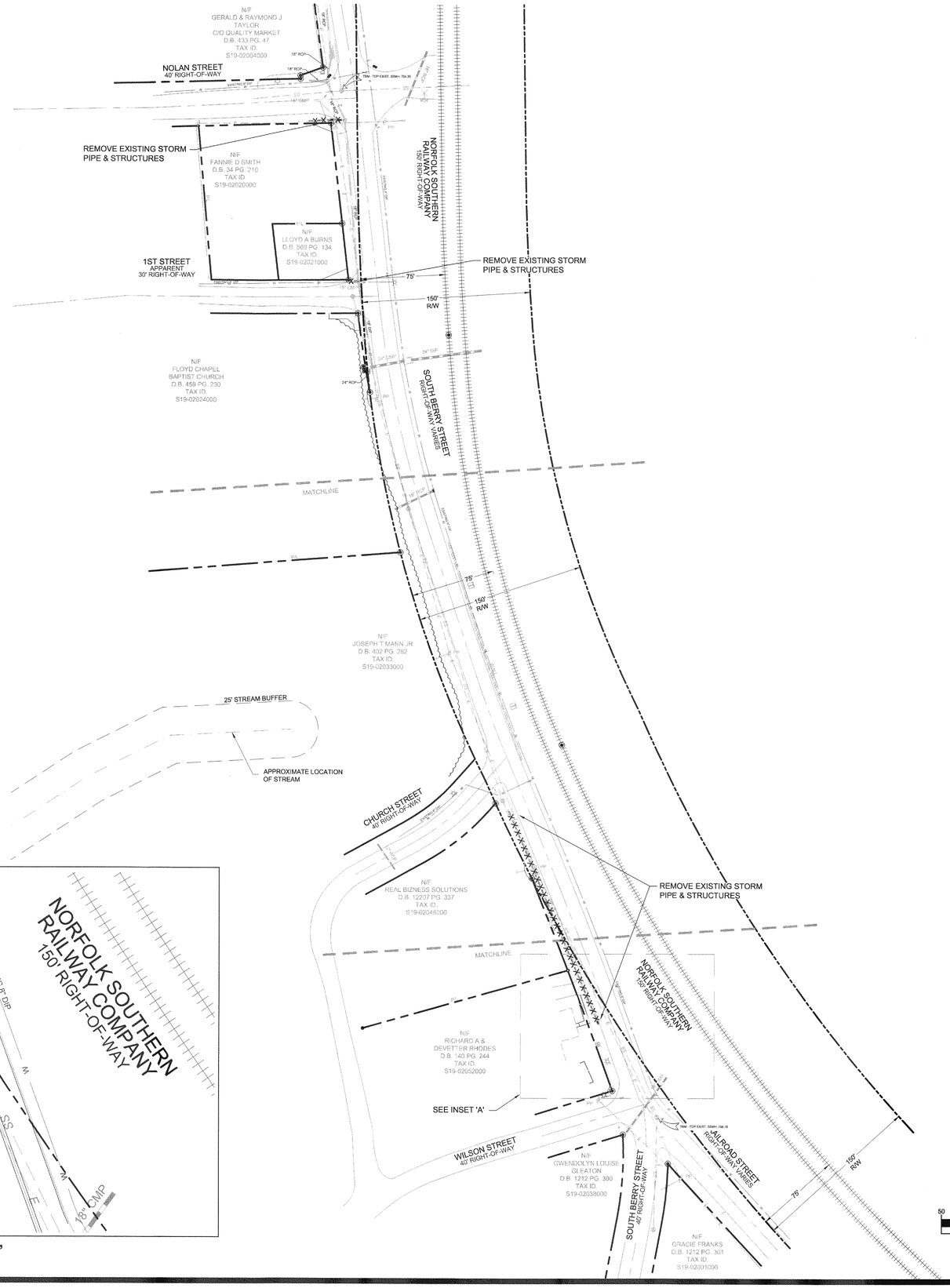

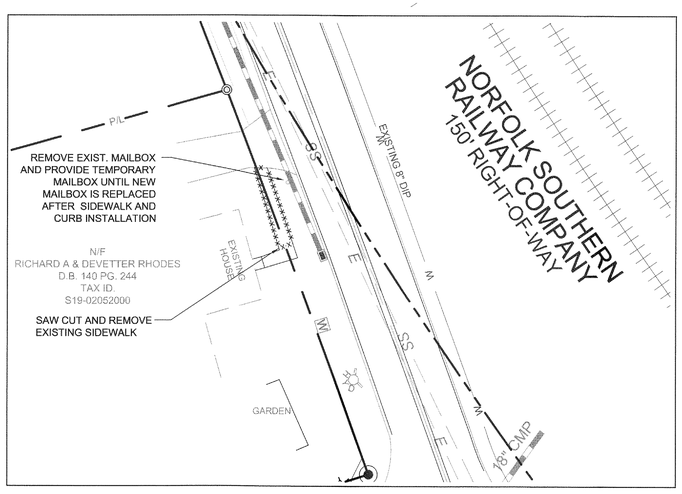

INSET 'A'

LEGEND

LL	LAND LOT
OTP	OPEN TOP PIPE
RB	REBAR
CTP	CRIMP TOP PIPE
-E-	OVERHEAD POWER LINE
sq ft	SQUARE FOOT
POB	POINT OF BEGINNING
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
PP	POWER POLE
P/L	PROPERTY LINE
	REQUIRED RIGHT-OF-WAY
	REQUIRED EASEMENT FOR THE CONSTRUCTION OF THE SLOPES

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

FALCON DESIGN
ENGINEERING PLANNING SURVEYING
2010 AVALON PARKWAY, SUITE 300
MCDONOUGH, GEORGIA 30253
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DEMOLITION PLAN
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61 ; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	
3.	
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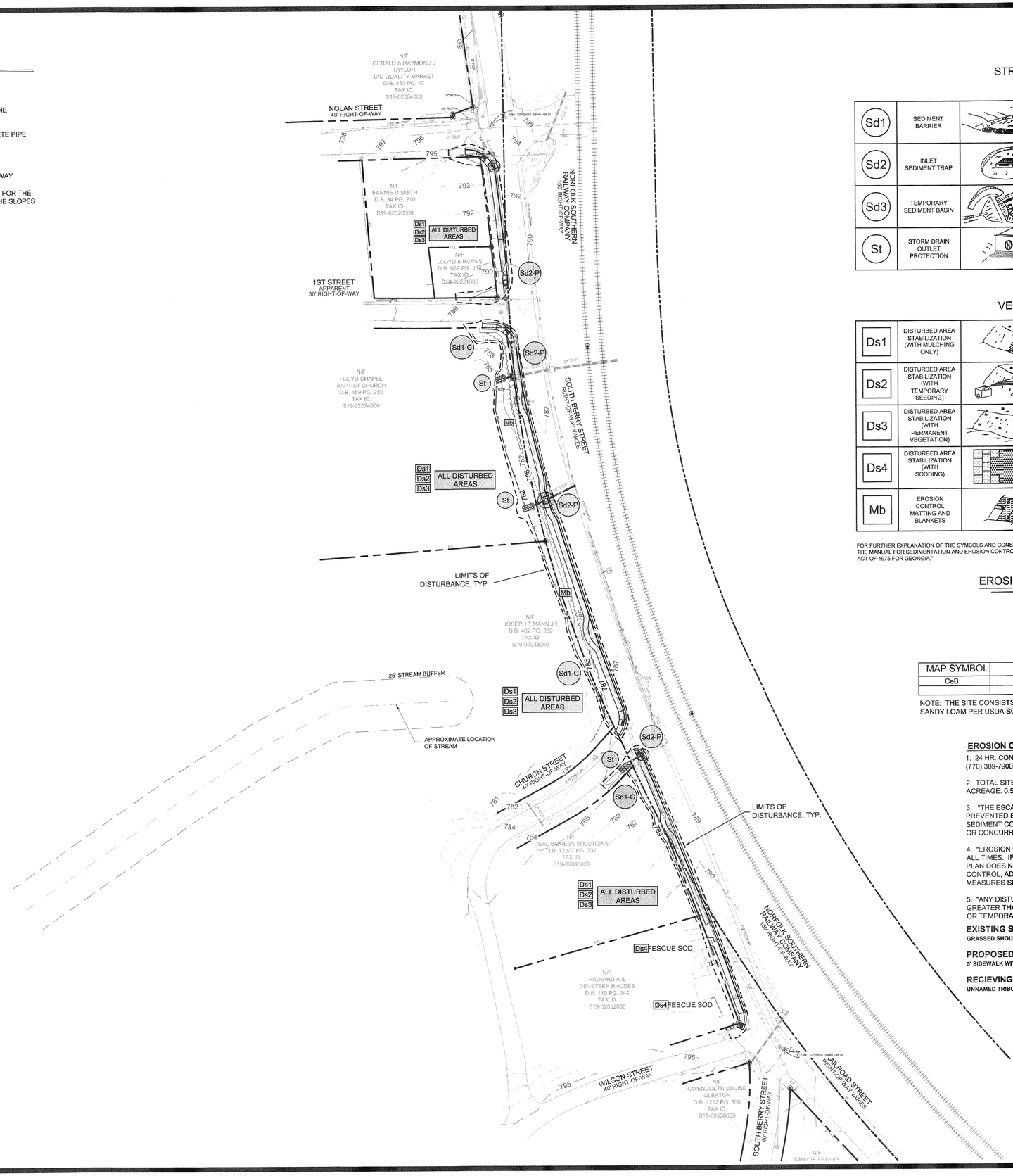
LEGEND

LL	LAND LOT
OTP	OPEN TOP PIPE
RB	REBAR
CTP	CRIMP TOP PIPE
-E-	OVERHEAD POWER LINE
sq ft	SQUARE FOOT
POB	POINT OF BEGINNING
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
PP	POWER POLE
P/L	PROPERTY LINE

REQUIRED RIGHT-OF-WAY

REQUIRED EASEMENT FOR THE CONSTRUCTION OF THE SLOPES



STRUCTURAL PRACTICES

Sd1	SEDIMENT BARRIER		TYPE (Indicate Type)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales or straw or hay, brush, logs and poles, gravel, or a sediment fence. The barriers are usually temporary and inexpensive.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out. The basin is usually temporary but may be designed as a permanent pond or storm water retention device.
St	STORM DRAIN OUTLET PROTECTION		St	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.

VEGETATIVE MEASURES

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Established temporary protection for disturbed areas where seedings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		Ds3	Establishing permanent vegetative cover such as trees, shrubs, vines, grasses, sod, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)		Ds4	A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Mb	EROSION CONTROL MATTING AND BLANKETS		Mb	The installation of a protective covering (blanket) or or soil stabilization mat on a prepared planting area of a steep slope, channel, or shoreline.

FOR FURTHER EXPLANATION OF THE SYMBOLS AND CONSTRUCTION PRACTICES WE REFER YOU TO THE MANUAL FOR SEDIMENTATION AND EROSION CONTROL PER THE "SEDIMENTATION AND EROSION ACT OF 1975 FOR GEORGIA."

EROSION CONTROL LEGEND

NTS

SOILS LEGEND

MAP SYMBOL	SOIL NAME	K FACTOR
CeB	CECIL SANDY LOAM	0.28
	2-6% SLOPES	

NOTE: THE SITE CONSISTS ENTIRELY OF CECIL SANDY LOAM PER USDA SOIL SURVEY.

EROSION CONTROL NOTES

1. 24 HR. CONTACT: CITY ADMINISTRATOR DAVID MILLIRON (770) 389-7900

2. TOTAL SITE ACREAGE: 0.50 ac. / TOTAL DISTURBED ACREAGE: 0.50 ac. (ALSO IS THE TOTAL DRAINAGE BASIN)

3. "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."

4. "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."

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

EXISTING SITE CONDITIONS:
GRASSED SHOULDER OF EXISTING BERRY STREET

PROPOSED SITE CONDITIONS:
5' SIDEWALK WITH CURB & GUTTER AND GRASSED SHOULDER

RECIEVING WATERS:
UNNAMED TRIBUTARY OF REEVES CREEK

GA WEST ZONE GRID NORTH

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

FALCON DESIGN
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EROSION CONTROL PLAN
FOR
SOUTH BERRY STREET
SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	
3.	
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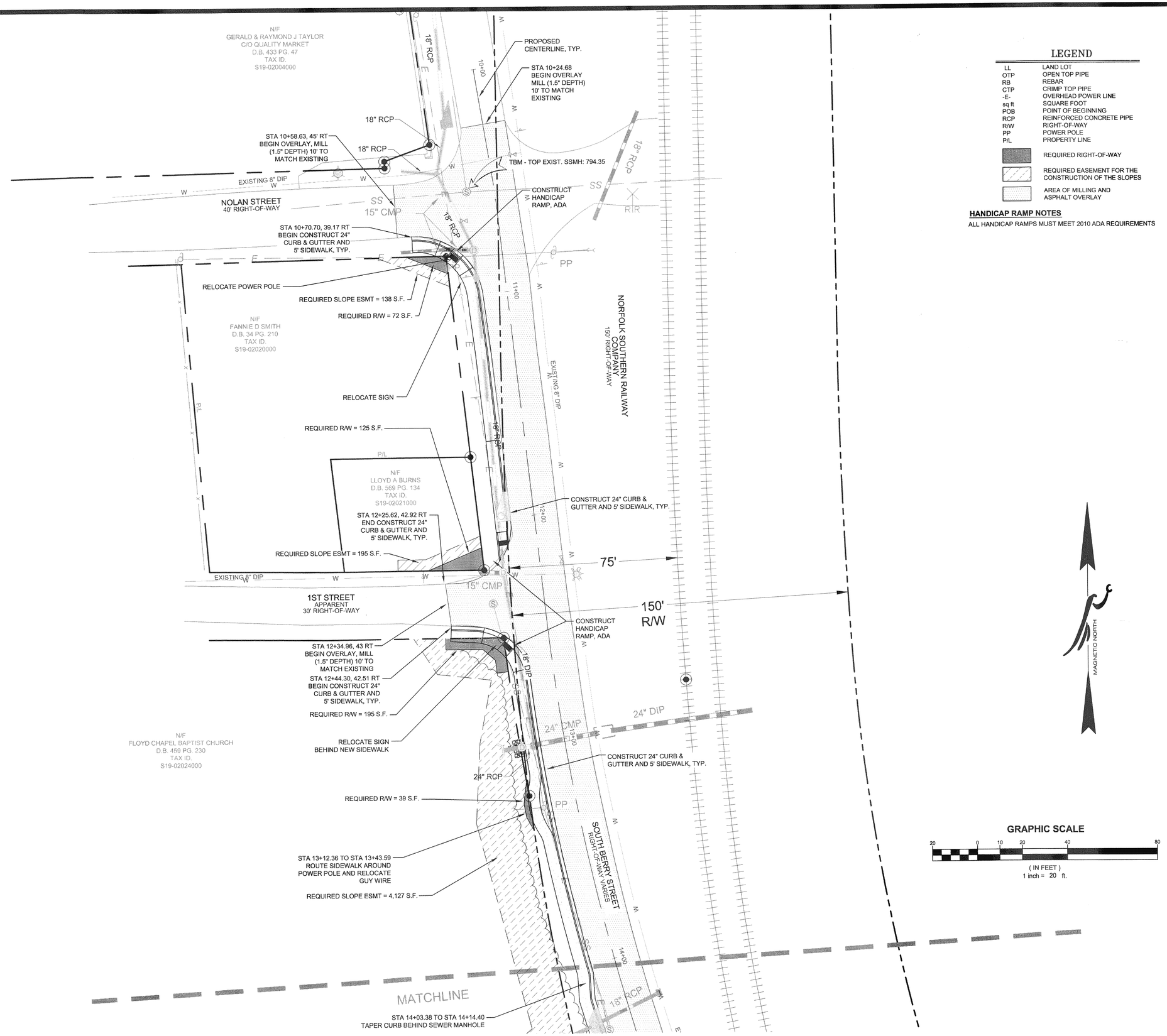

LEGEND

LL	LAND LOT
OTP	OPEN TOP PIPE
RB	REBAR
CTP	CRIMP TOP PIPE
-E-	OVERHEAD POWER LINE
sq ft	SQUARE FOOT
POB	POINT OF BEGINNING
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
PP	POWER POLE
P/L	PROPERTY LINE

REQUIRED RIGHT-OF-WAY

REQUIRED EASEMENT FOR THE CONSTRUCTION OF THE SLOPES

AREA OF MILLING AND ASPHALT OVERLAY

HANDICAP RAMP NOTES

ALL HANDICAP RAMPS MUST MEET 2010 ADA REQUIREMENTS

FALCON DESIGN ENGINEERING PLANNING SURVEYING
2810 AVALON PARKWAY, SUITE 300
STOCKBRIDGE, GEORGIA 30281
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SITE PLAN
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	REVISED PER HENRY COUNTY COMMENTS - 3/28/13
3.	REVISED SIDEWALK WIDTH - 6/24/13
4.	

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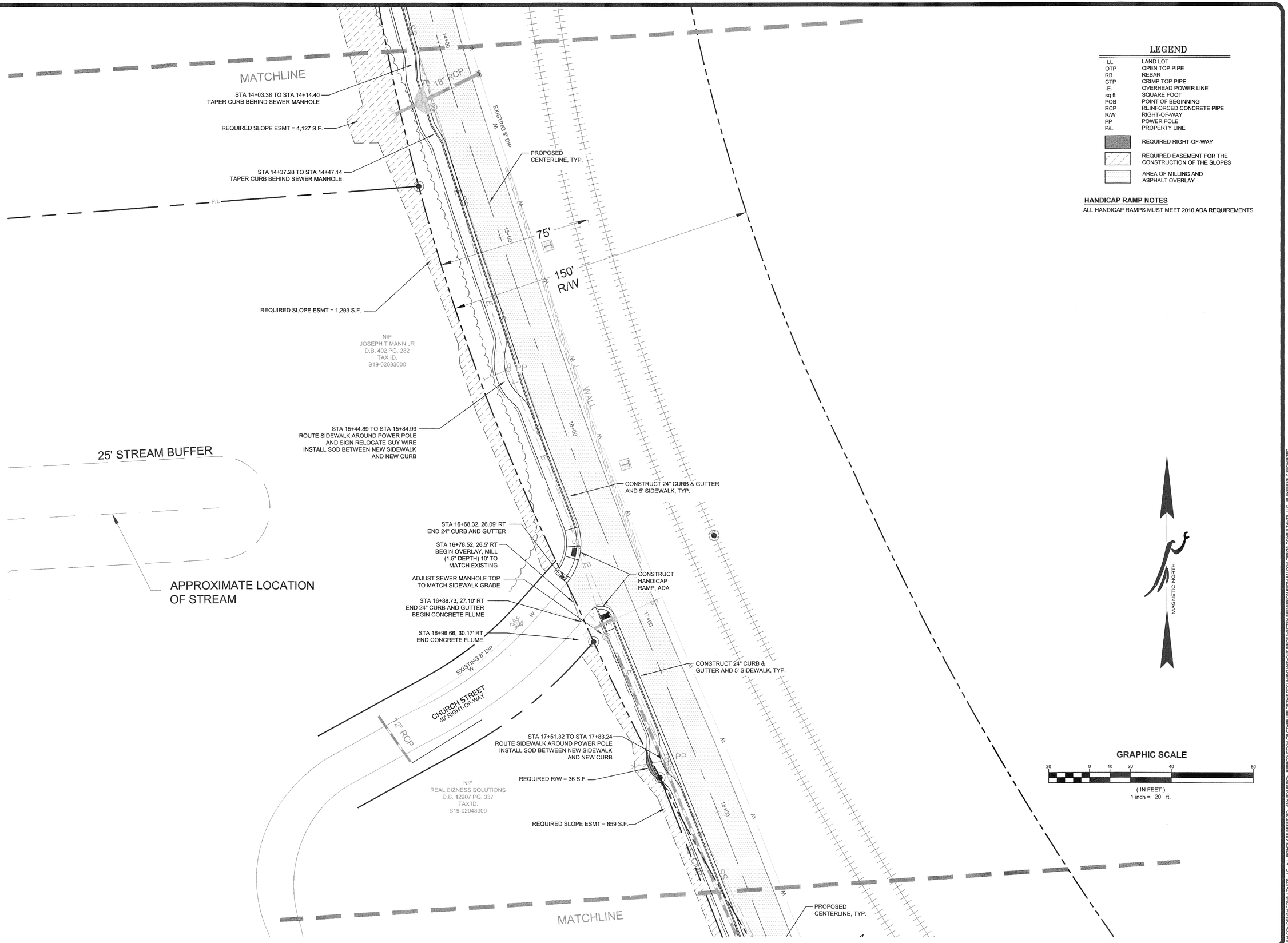

LEGEND

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sq ft	SQUARE FOOT
POB	POINT OF BEGINNING
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P/L	PROPERTY LINE

REQUIRED RIGHT-OF-WAY

REQUIRED EASEMENT FOR THE CONSTRUCTION OF THE SLOPES

AREA OF MILLING AND ASPHALT OVERLAY

HANDICAP RAMP NOTES

ALL HANDICAP RAMPS MUST MEET 2010 ADA REQUIREMENTS

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SITE PLAN
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	REVISED PER HENRY COUNTY COMMENTS - 3/28/13
3.	REVISED SIDEWALK WIDTH - 6/24/13
4.	

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OR DIAL 811

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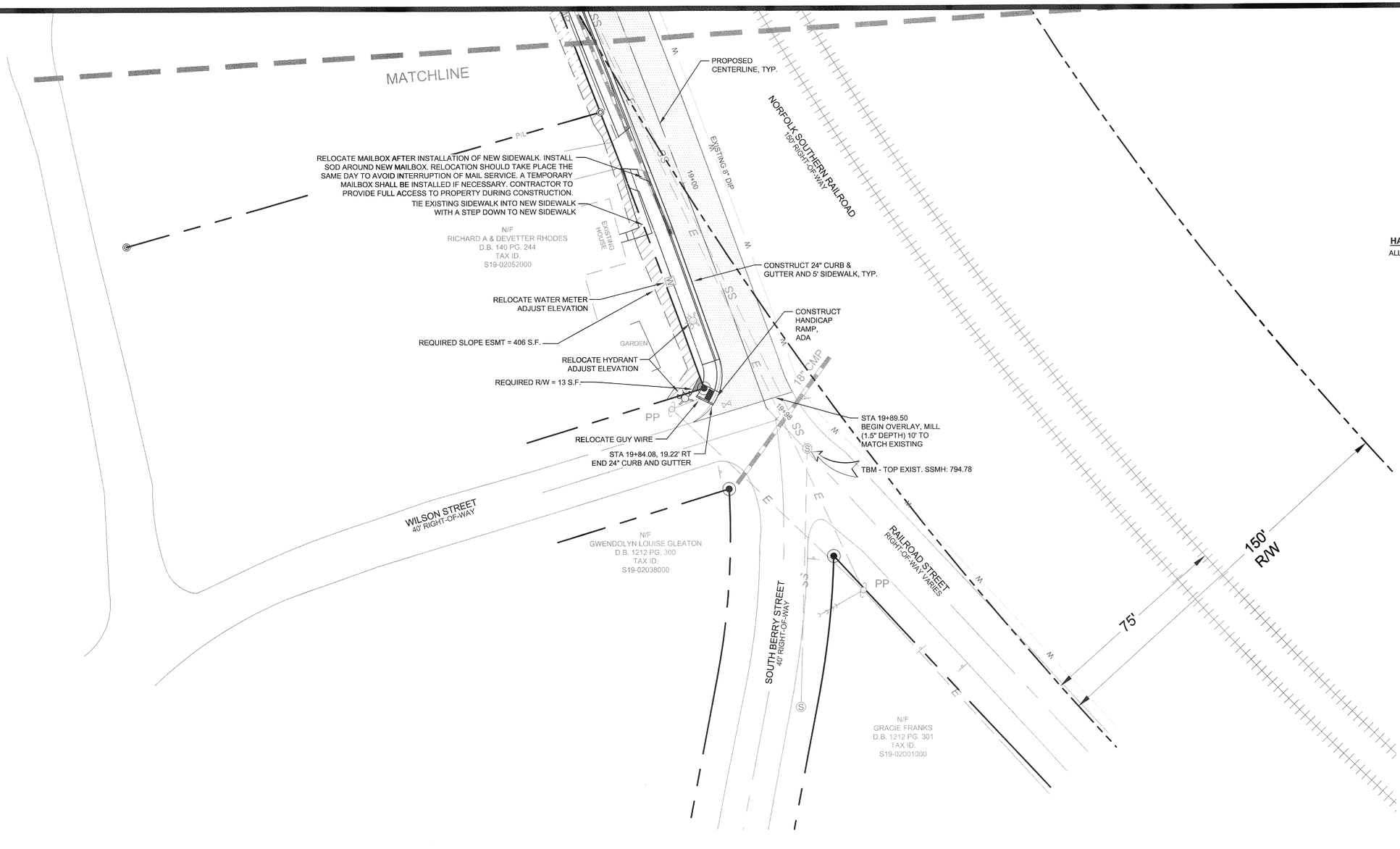

LEGEND

LL	LAND LOT
OTP	OPEN TOP PIPE
RB	REBAR
CTP	CRIMP TOP PIPE
-E-	OVERHEAD POWER LINE
s/q ft	SQUARE FOOT
POB	POINT OF BEGINNING
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R/W	RIGHT-OF-WAY
PP	POWER POLE
P/L	PROPERTY LINE
	REQUIRED RIGHT-OF-WAY
	REQUIRED EASEMENT FOR THE CONSTRUCTION OF THE SLOPES
	AREA OF MILLING AND ASPHALT OVERLAY

HANDICAP RAMP NOTES

ALL HANDICAP RAMPS MUST MEET 2010 ADA REQUIREMENTS

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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STOCKBRIDGE, GEORGIA 30281
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SITE PLAN
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	REVISED PER HENRY COUNTY COMMENTS - 3/28/13
3.	REVISED SIDEWALK WIDTH - 6/24/13
4.	

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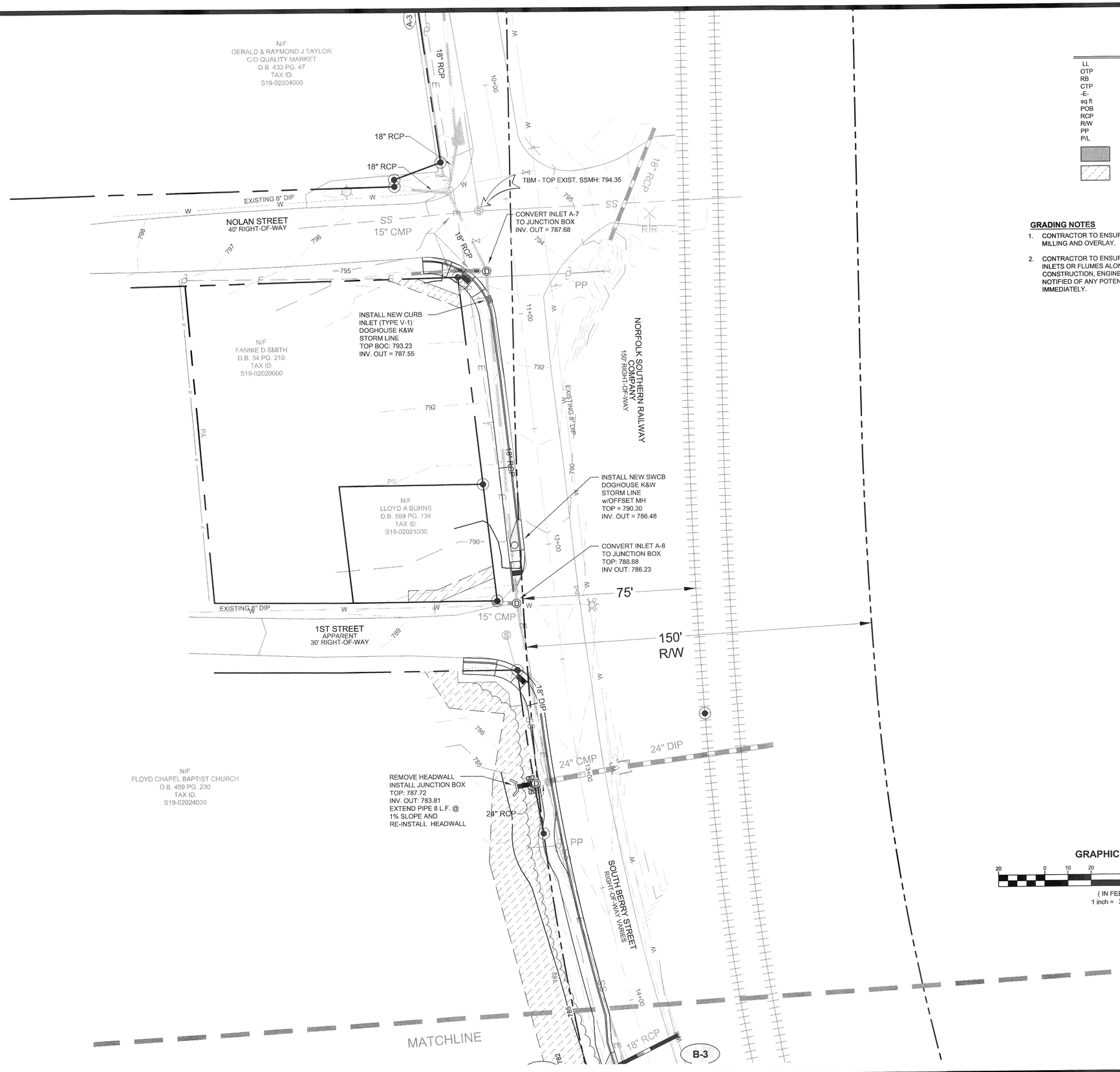

LEGEND

LL	LAND LOT
OTP	OPEN TOP PIPE
RB	REBAR
CTP	CRIMP TOP PIPE
-E-	OVERHEAD POWER LINE
sq ft	SQUARE FOOT
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R/W	RIGHT-OF-WAY
PP	POWER POLE
P/L	PROPERTY LINE
	REQUIRED RIGHT-OF-WAY
	REQUIRED EASEMENT FOR THE CONSTRUCTION OF THE SLOPES

GRADING NOTES

1. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AFTER MILLING AND OVERLAY.
2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE TO INLETS OR FLUMES ALONG CURB LINE. DURING CONSTRUCTION, ENGINEER OF RECORD SHOULD BE NOTIFIED OF ANY POTENTIAL DRAINAGE CONCERNS IMMEDIATELY.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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GRADING PLAN
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	REVISED PER HENRY COUNTY COMMENTS - 3/28/13
3.	REVISED STORM LAYOUT - 5/6/13
4.	

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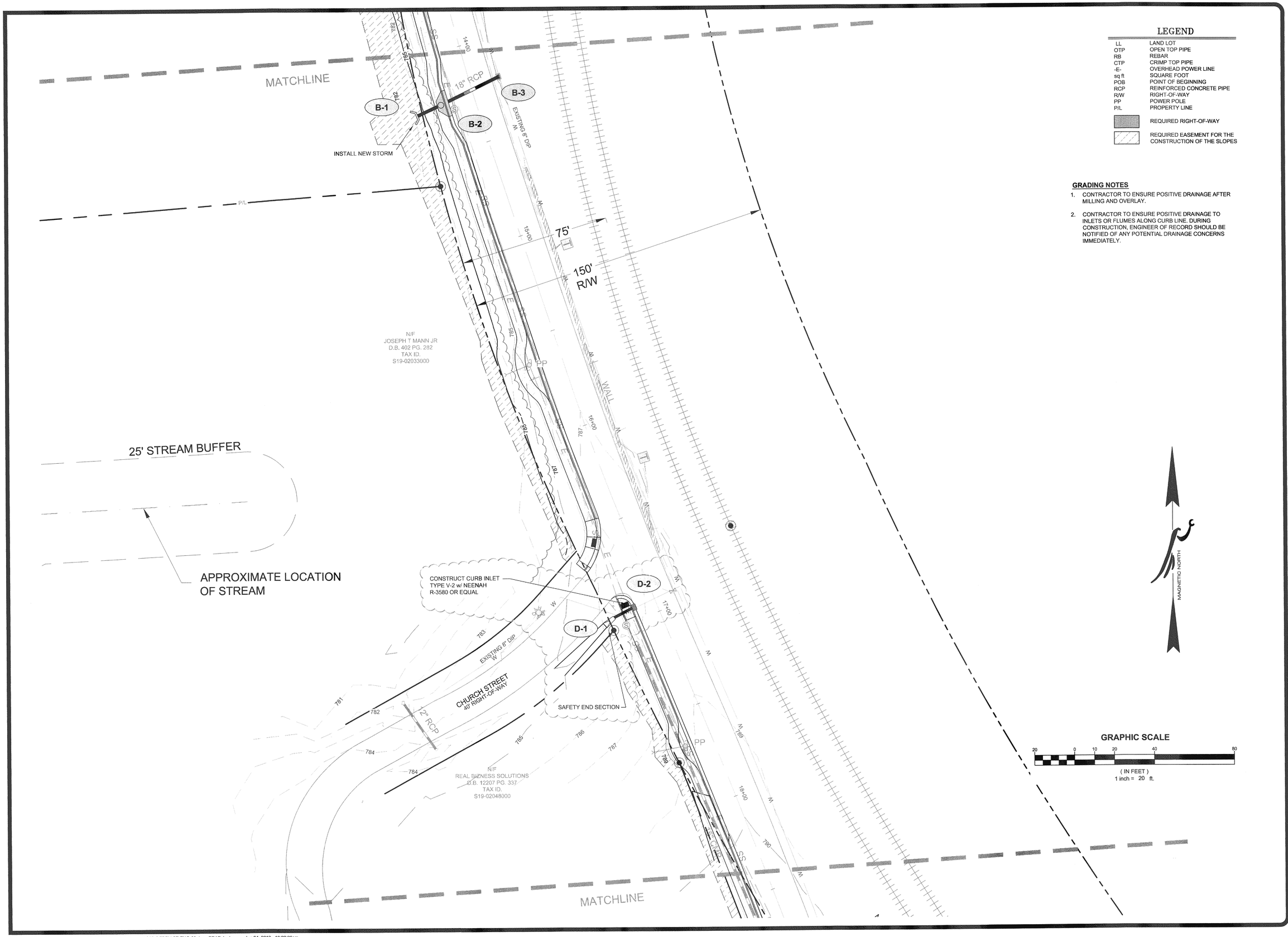

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GRADING PLAN
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1. REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2. REVISED PER HENRY COUNTY COMMENTS - 6/24/13
3.
4.

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DRAWN BY:	SPH

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6/24/13

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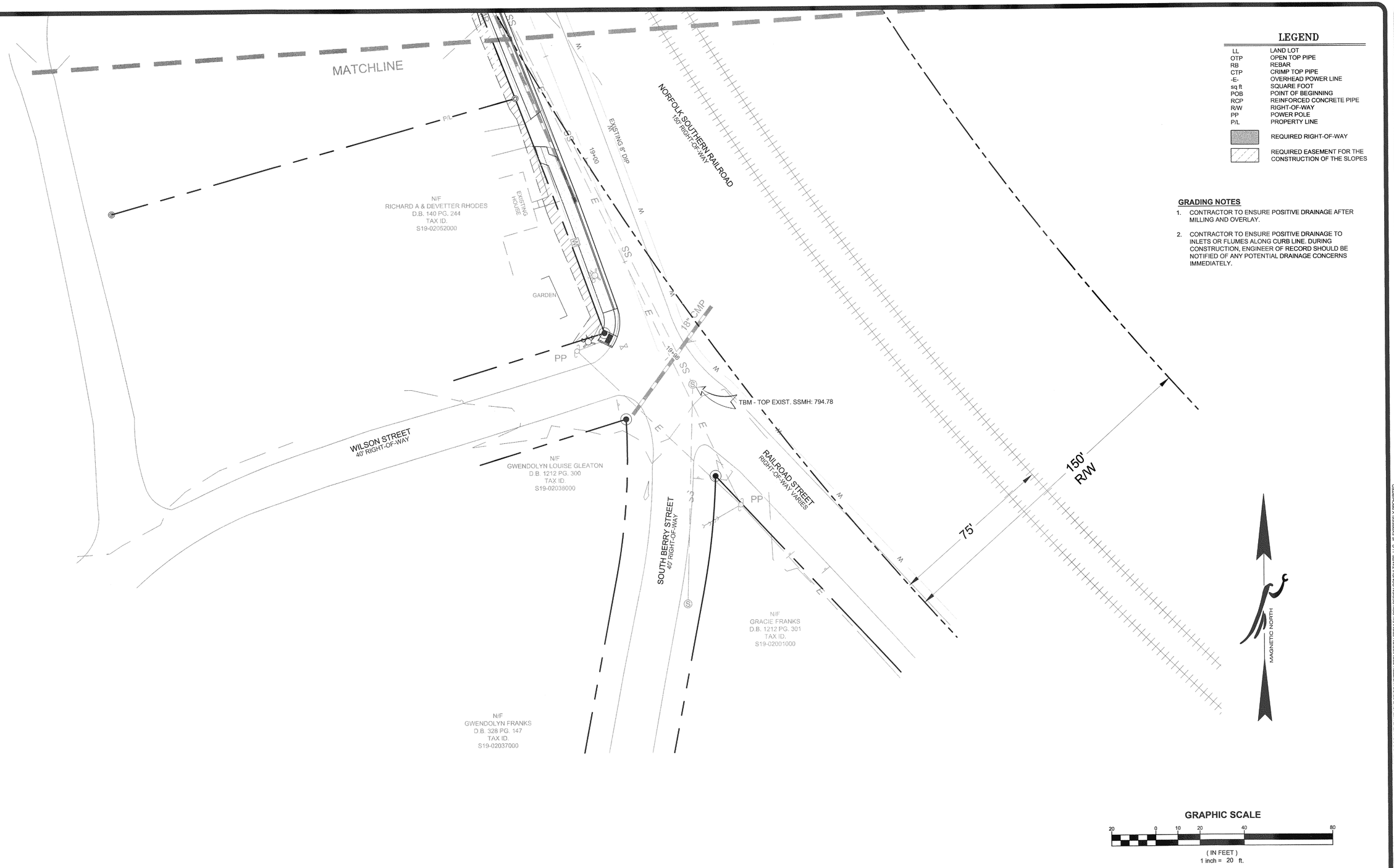

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sq ft	SQUARE FOOT
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GRADING NOTES

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GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

FALCON DESIGN
ENGINEERING PLANNING SURVEYING
2810 AVALON PARKWAY, SUITE 300
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GRADING PLAN
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1.	REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.	
3.	
4.	

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UTILITIES PROTECTION CENTER
(PROTECT ALL UTILITIES BEFORE YOU DIG)
OR DIAL 811

DATE:	9/5/12
SCALE:	1"=20'
FILE NUMBER:	C3D ENG 00
DRAWN BY:	SPH

GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER
ROBERT L. GRAYSON 1/22/13

GSWCC# 0000009371

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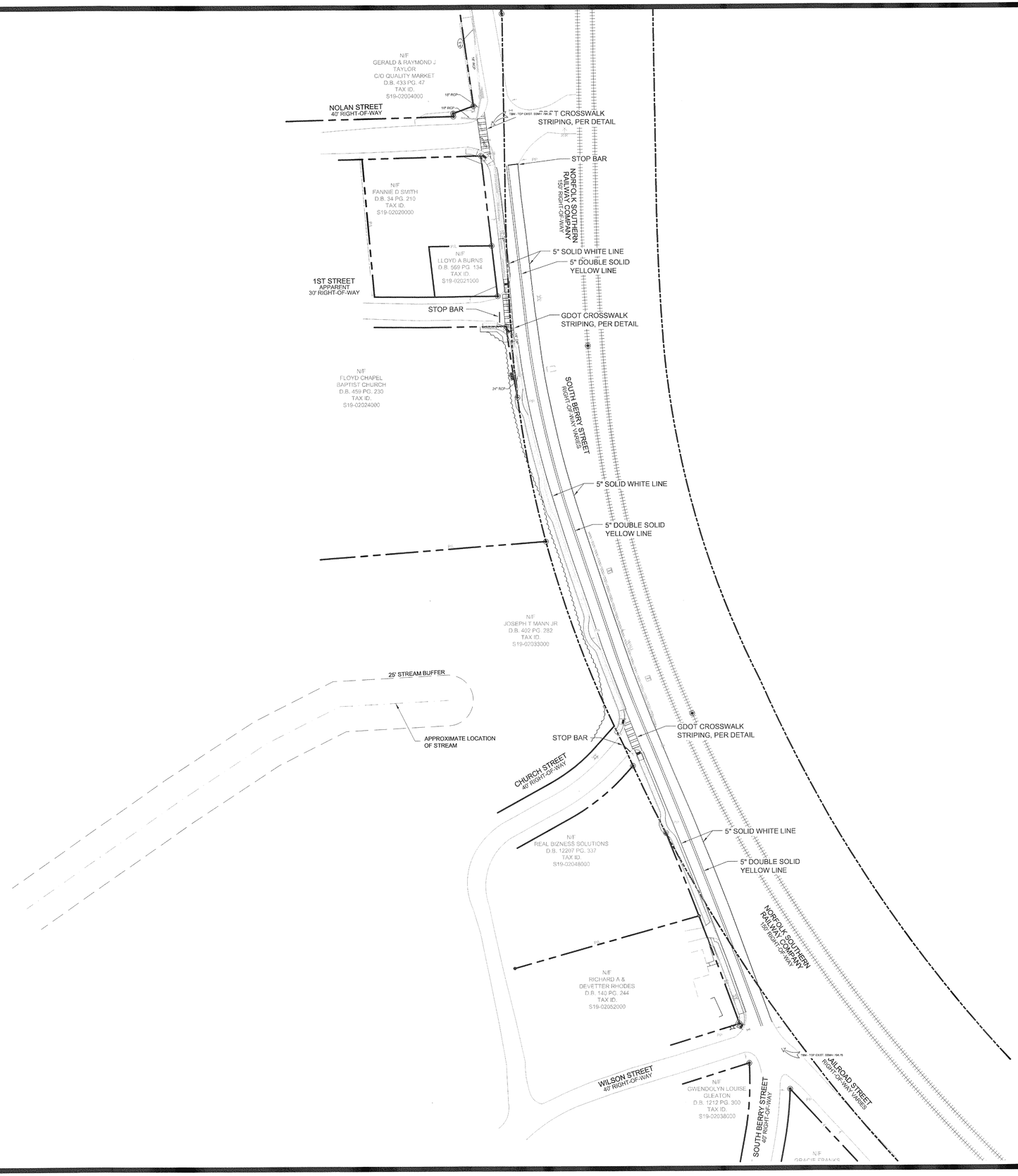
P:\Projects\City of Stockbridge\BERRY ST SIDEWALK\dwg\CIVIL3D\C3D BERRY-ST-ENG-20.dwg, GRAD 2, shayes, Jun 24, 2013 - 10:22:41am



LEGEND

LL	LAND LOT
OTP	OPEN TOP PIPE
RB	REBAR
CTP	CRIMP TOP PIPE
-E-	OVERHEAD POWER LINE
sq ft	SQUARE FOOT
POB	POINT OF BEGINNING
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
PP	POWER POLE
P/L	PROPERTY LINE
	REQUIRED RIGHT-OF-WAY
	REQUIRED EASEMENT FOR THE CONSTRUCTION OF THE SLOPES

STRIPING AND SIGNAGE NOTES

1. ALL STRIPING TO BE THERMOPLASTIC.
2. ALL STRIPING AND SIGNAGE TO BE INSTALLED PER MUTCD, LATEST EDITION.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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STRIPING PLAN
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1. REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2. REVISED PER HENRY COUNTY COMMENTS - 3/28/13
3.
4.

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OR DIAL 811

DATE:	9/5/12
SCALE:	1"=50'
FILE NUMBER:	C3D ENG 00
DRAWN BY:	SPH

GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER
Aaron L. Grace

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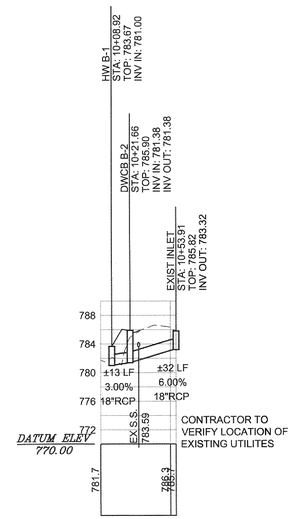
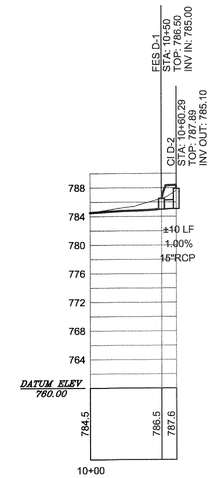
HORZ. 1" = 50'
VERT. 1" = 10'



STORM LINE 'B'

STRUCTURE TYPES:
ALL HEADWALLS TO BE GDOT 1001B
ALL JUNCTION BOXES TO BE GDOT 1011A
ALL SINGLE WING CATCH BASINS TO BE GDOT 1033D
ALL DOUBLE WING CATCH BASINS TO BE GDOT 1034D
ALL CURB INLETS TO GDOT 1019B TYPE V-1
ALL SAFETY END SECTIONS TO GDOT 1122



STORM LINE 'D'

NOTE:
CURB INLET D-2 SHALL BE TYPE V-2 AND HAVE SLOTTED GRATE (NEENAH TYPE R-3580 OR EQUAL)

25-YR STORM CHART

Label	Length (ft)	Material	Mannings n	Section Size	Constructed Slope (ft/ft)	Upstream Node	Downstream Node	Upstream Inlet Area (acres)	Upstream Inlet CA (acres)	System CA (acres)	Upstream Inlet Rational Flow (cfs)	System Rational Flow (cfs)	Full Capacity (cfs)	Average Velocity (ft/s)	Upstream Structure Hydraulic	Downstream Structure Hydraulic	Upstream Invert Elevation (ft)	Downstream Invert Elevation (ft)
P-1	10.00	Concrete	0.013	15 inch	0.01	CI D-2	FES D-1	0.10	0.10	0.10	0.80	0.80	6.46	3.59	785.45	785.00	785.10	785.00
P-2	32.00	Concrete	0.013	18 inch	0.06	DI B-3	DWCB B-2	0.21	0.20	0.20	1.69	1.69	25.86	8.25	783.81	782.19	783.32	781.38
P-3	13.00	Concrete	0.013	18 inch	0.03	DWCB B-2	HW B-1	0.21	0.20	0.40	1.69	3.37	17.96	7.79	782.08	781.00	781.38	781.00

10-YR GUTTER SPREAD

Label	Structure Type	Structure Depth (ft)	Gutter Ditch Depth (ft)	Gutter Ditch Spread (ft)
CI D-2	Curb Inlet	2.85	0.20	5.68
DI B-3	Drop Inlet	2.50	-	-
DWCB B-2	DWCB	4.52	0.21	5.81
FES D-1	FES	1.50	-	-
HW B-1	HW	2.67	-	-

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STORM PROFILES
FOR
SOUTH BERRY STREET
SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS
1. REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2.
3.
4.

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DATE:	9/5/12
SCALE:	
FILE NUMBER:	C3D ENG 00
DRAWN BY:	SPH

GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER
TERRY L. PRICE
4/24/13
GSWCC# 0000009371
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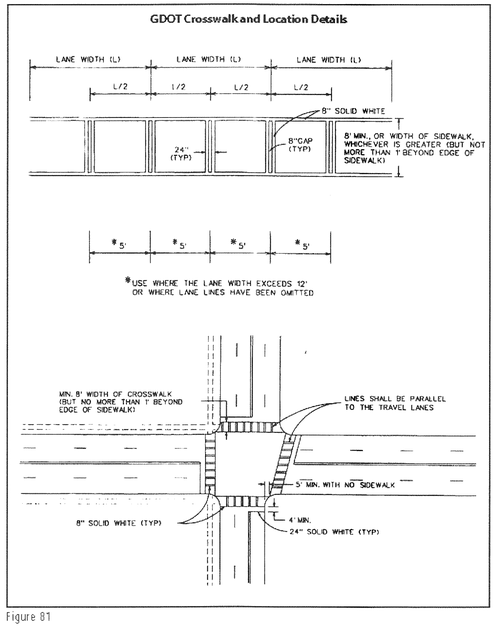
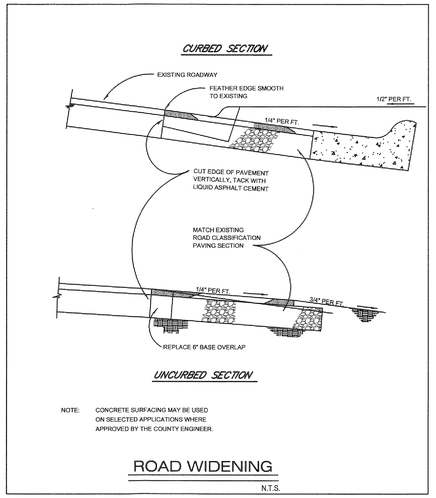
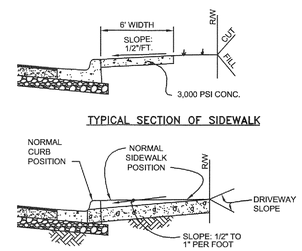


Figure 81



ROAD WIDENING

N.T.S.



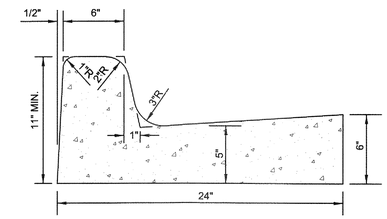
NOTES:
1. CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF BRISTLE BROOMS.

2. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 10' INTERVALS. NO CONTRACTION JOINTS TO BE PLACED IN SIDEWALKS AND DRIVEWAYS. ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.

3. 1/2" EXPANSION JOINTS SHALL BE PLACED WHERE SIDEWALKS TIE INTO A STRUCTURE OR TERMINATE AT A CURB, RAMPS OR DRIVEWAYS OR A MAXIMUM OF 150' APART.

SIDEWALK DETAIL

N.T.S.



NOTES

1. 1/2" PREFORMED EXPANSION JOINTS REQUIRED AT ALL STRUCTURES & CURB RETURNS.

2. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS = 40.0'

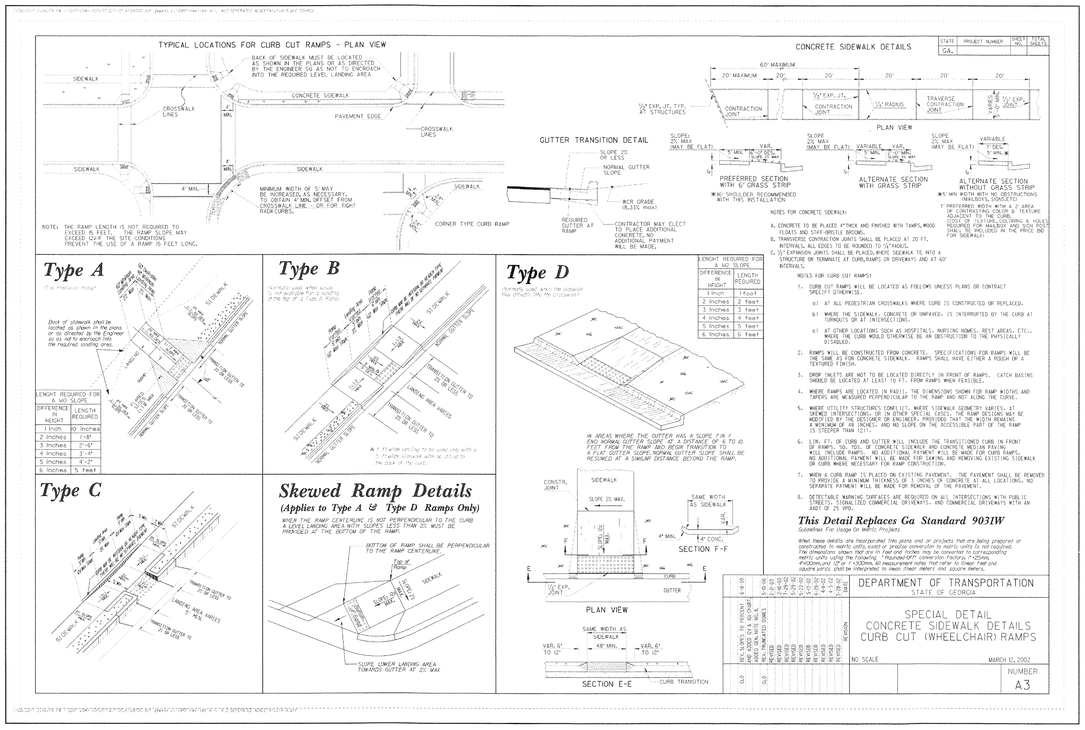
3. DISTANCE BETWEEN DUMMY JOINTS = 10.0'

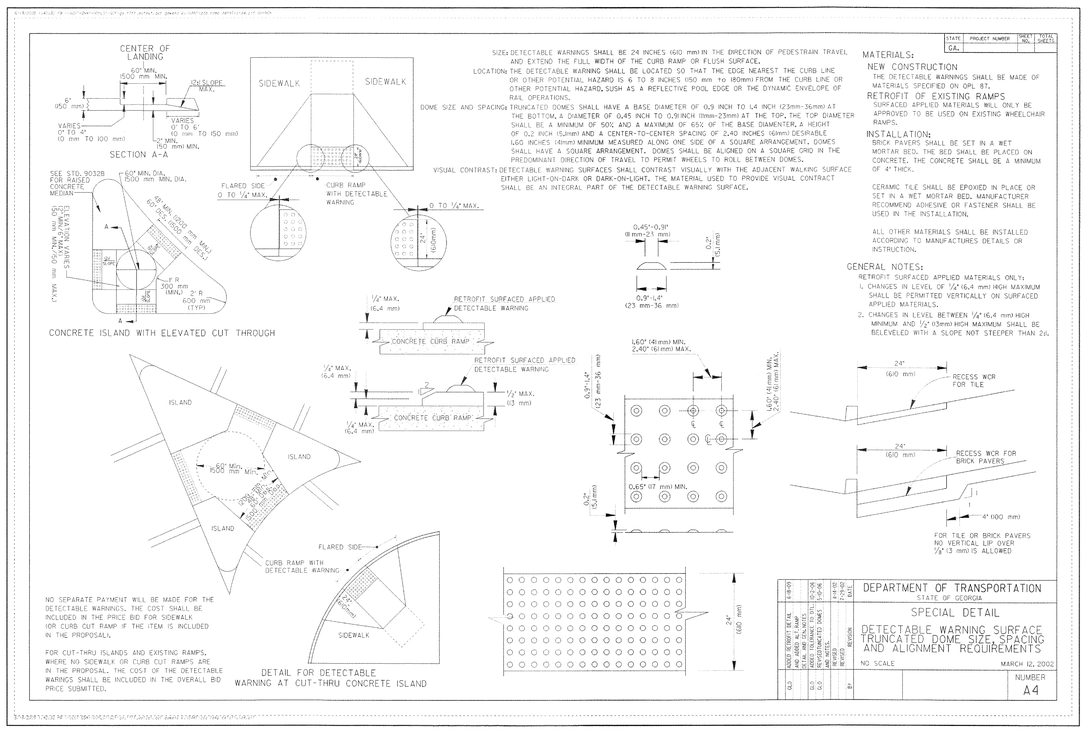
4. CONCRETE STRENGTH - 3000 PSI, SLUMP - 2", FINISH SHALL BE SMOOTHED & EVENED WITH A WOODEN FLOAT.

5. OTHER CURB & GUTTER SECTIONS WILL BE EVALUATED AS APPROPRIATE BY THE COUNTY ENGINEER.

CURB & GUTTER DETAIL

N.T.S.





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CONSTRUCTION DETAILS
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS
1. REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2. REVISED PER HENRY COUNTY COMMENTS - 3/28/13
3.
4.

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DATE:	9/5/12
SCALE:	
FILE NUMBER:	C3D ENG 00
DRAWN BY:	SPH

GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER ADAM L. PRICE

GSWCC# 00000009371

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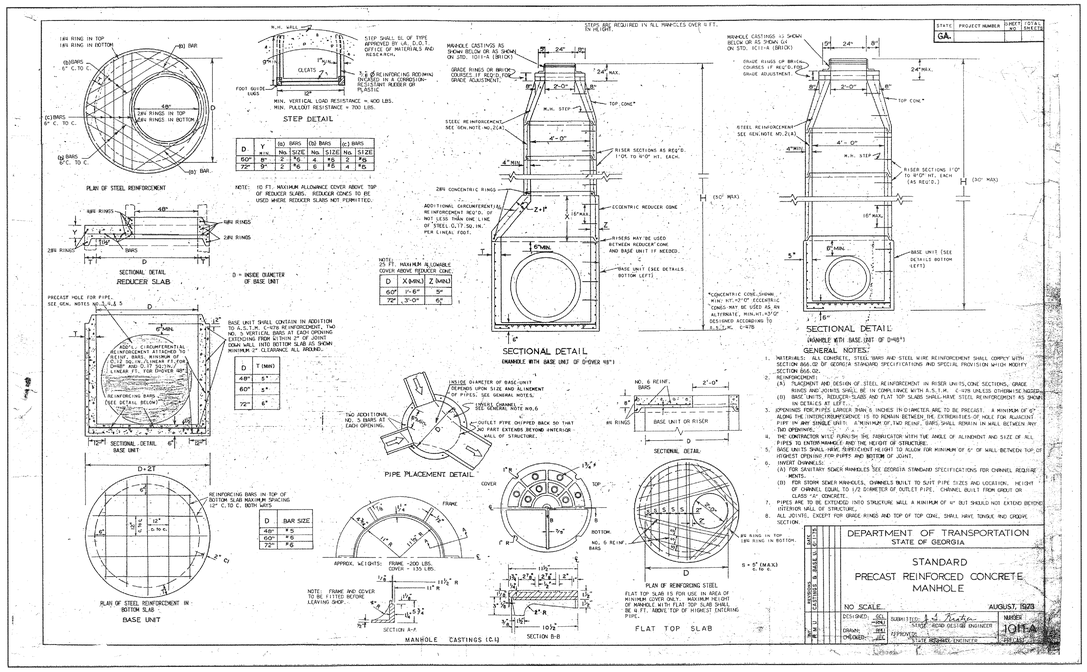

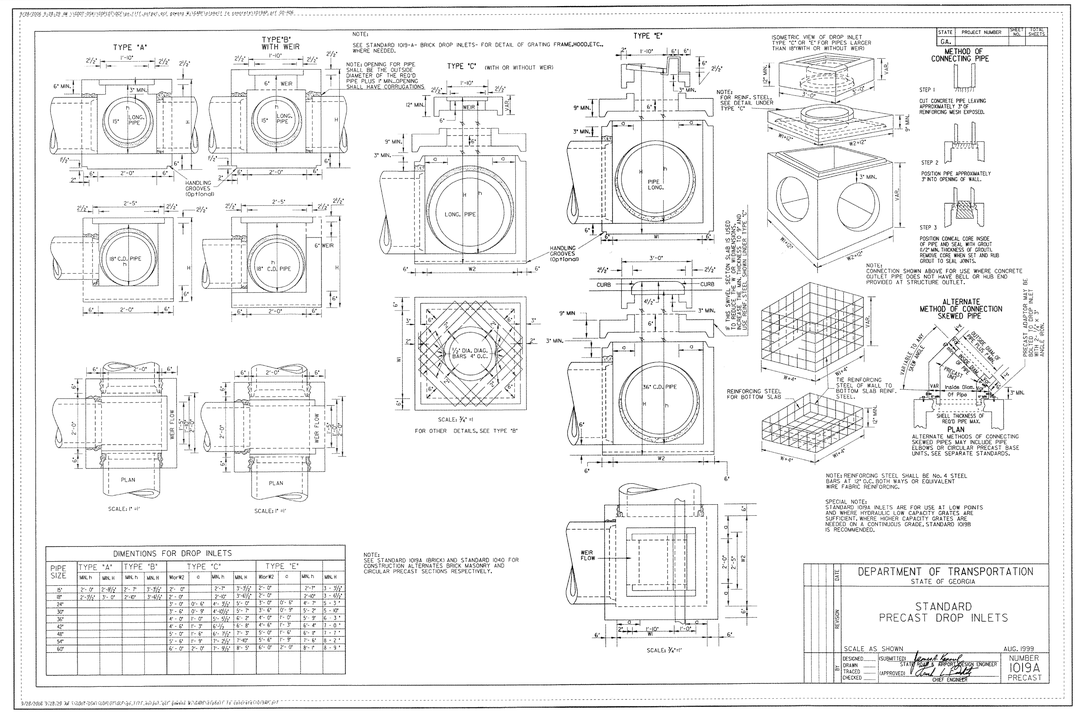

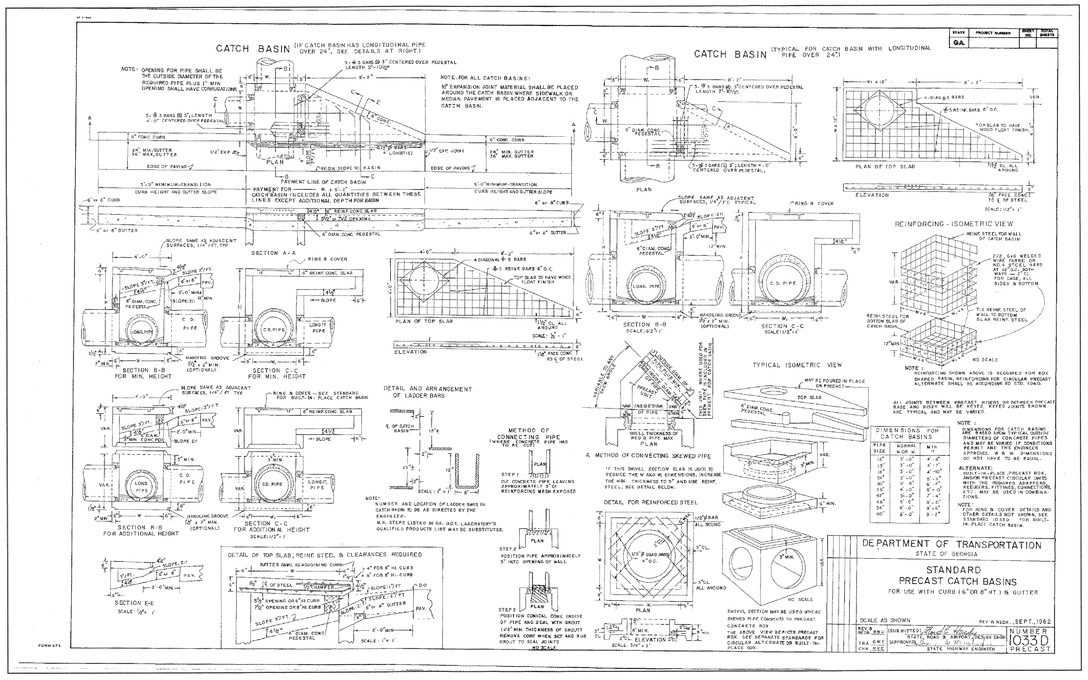

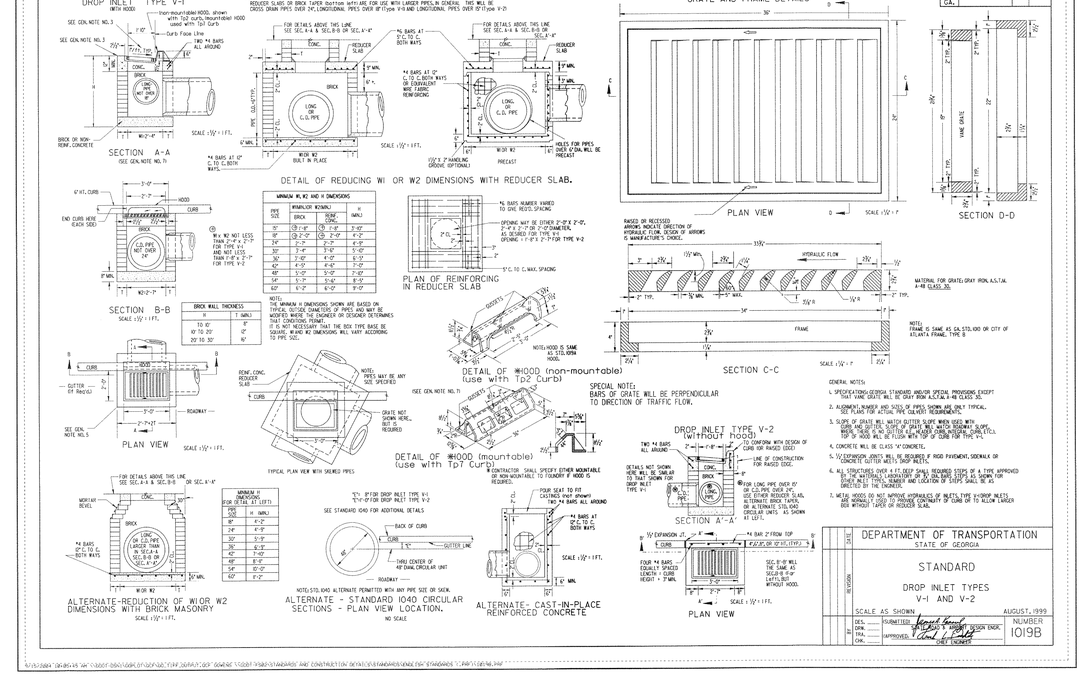

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CONSTRUCTION DETAILS
FOR
SOUTH BERRY STREET
SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS
1. REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2. REVISED PER HENRY COUNTY COMMENTS - 3/28/13
3.
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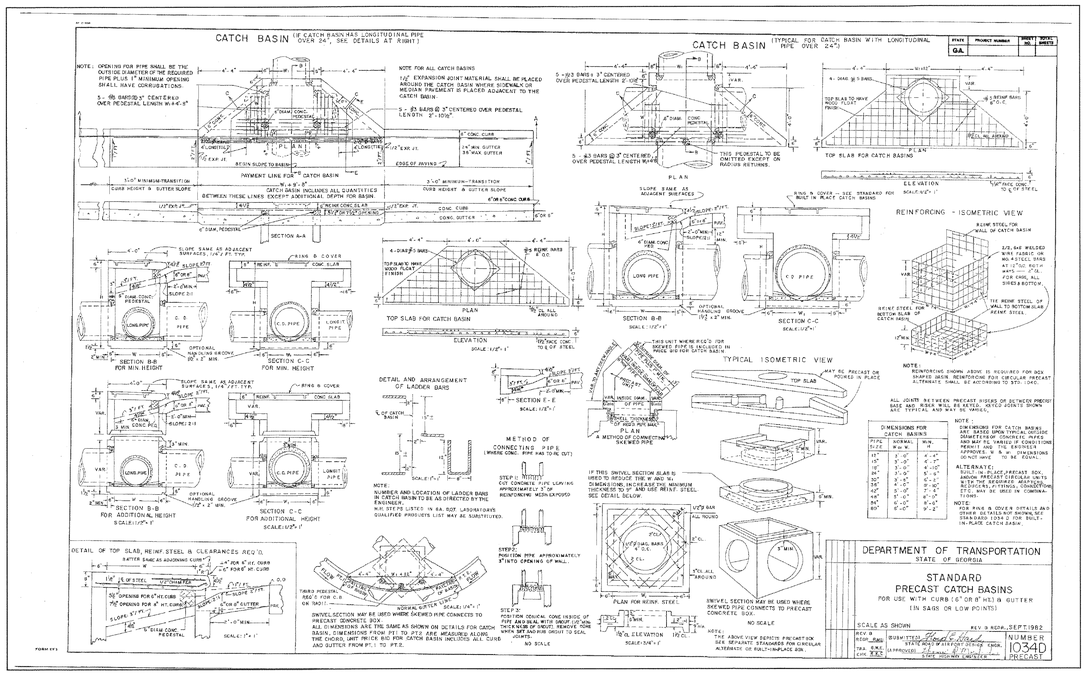

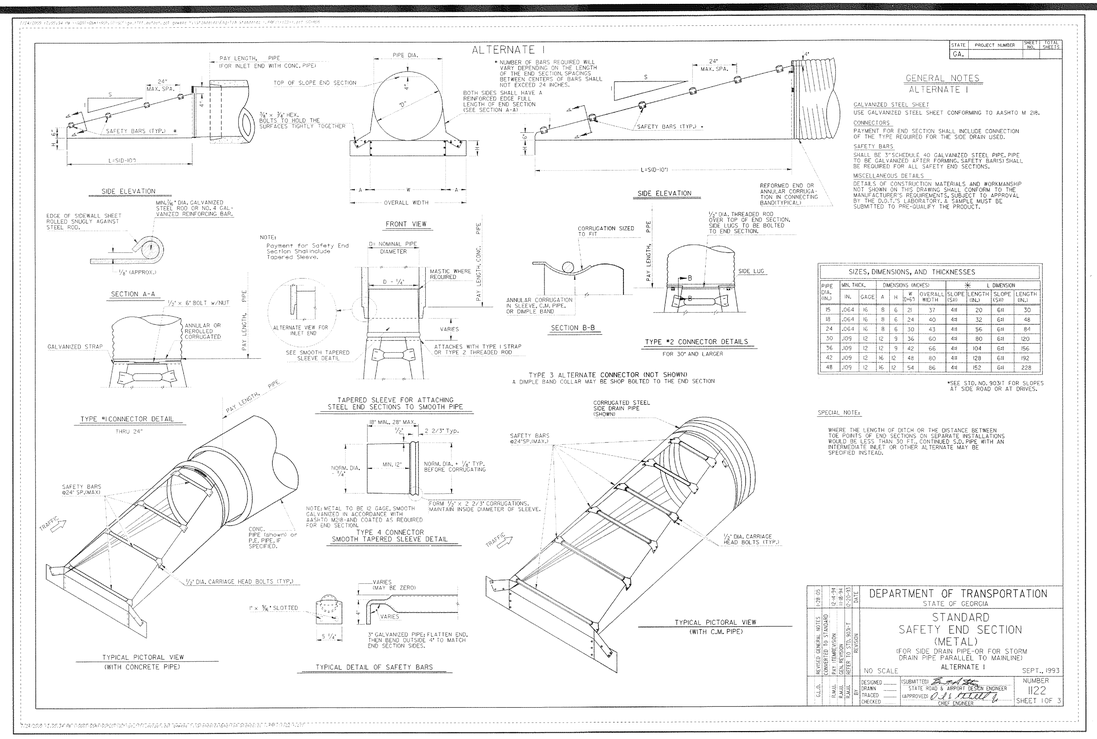

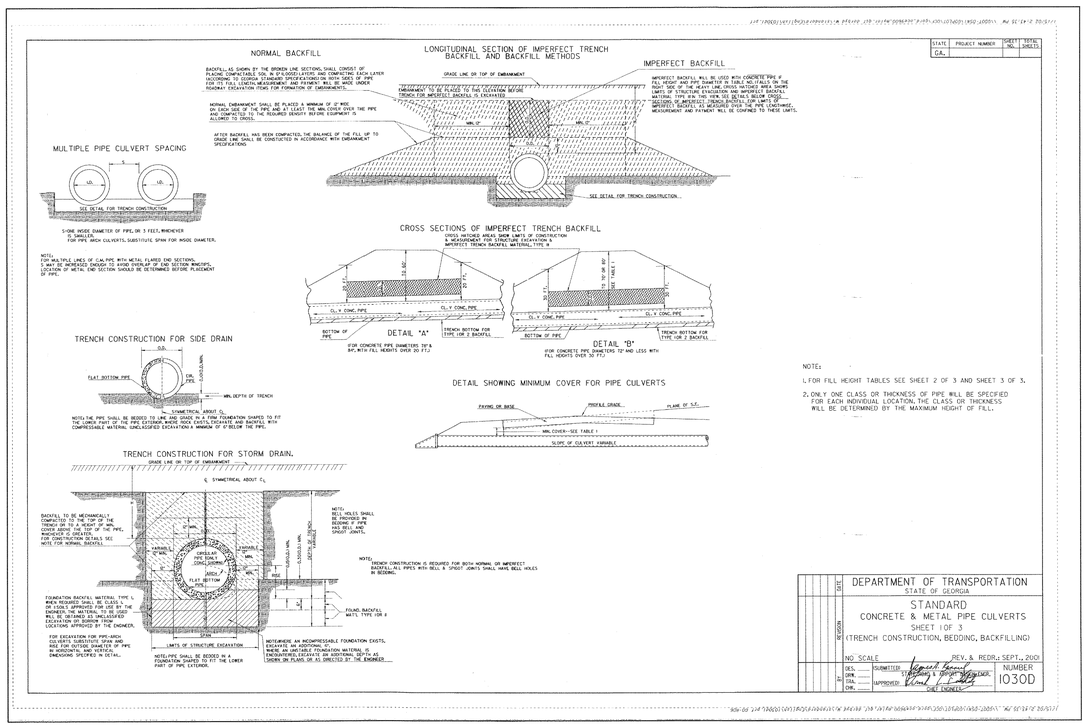

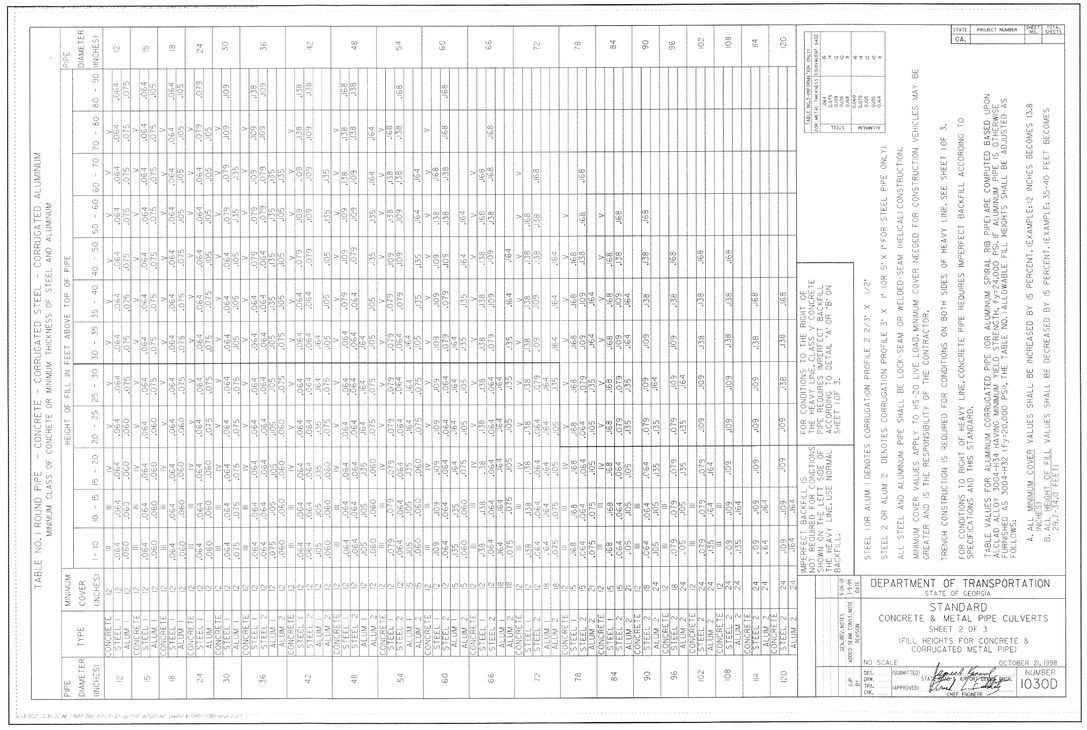

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CONSTRUCTION DETAILS
FOR
SOUTH BERRY STREET SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS

1. REVISED PER HENRY COUNTY COMMENTS - 1/22/13
2. REVISED PER HENRY COUNTY COMMENTS - 3/28/13
3.
4.

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GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER
6/24/13

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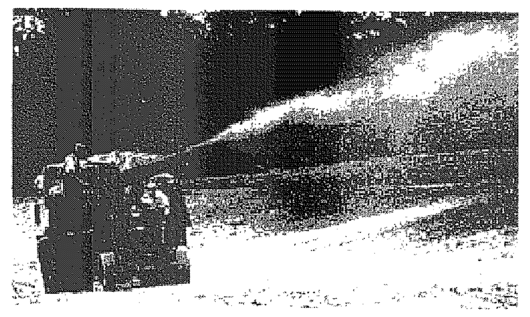
Disturbed Area Stabilization (With Mulching Only) Ds1



DEFINITION

Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

PURPOSE

- To reduce runoff and erosion
- To conserve moisture
- To prevent surface compaction or crusting
- To control undesirable vegetation
- To modify soil temperature
- To increase biological activity in the soil

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored, and have a continuous 90% cover or greater of the soil surface. Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months. If an area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. **Refer to Ds2 -Disturbed Area Stabilization (With Temporary Seeding), Ds3 - Disturbed Area Stabilization (With Permanent Seeding),** and **Ds4 - Disturbed Area Stabilization (With Sodding).**

SPECIFICATIONS

MULCHING WITHOUT SEEDING

This standard applies to grades or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

1. Grade to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

Select one of the following materials and apply at the depth indicated:

1. *Dry straw or hay* shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
2. *Wood waste* (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
3. *Cutback asphalt* (slow curing) shall be applied at 1200 gallons per acre (or 1/4 gallon per sq. yd.).
4. *Polyethylene film* shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

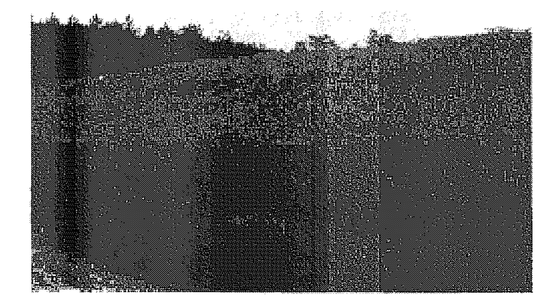
Applying Mulch

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.

1. *Dry straw or hay mulch* and *wood chips* shall be applied uniformly by hand or by mechanical equipment.

GaSWCC (Amended - 2000) 6-33

Disturbed Area Stabilization (With Temporary Seeding) Ds2



DEFINITION

The establishment of temporary vegetative cover with fast growing seedings for seasonal protection on disturbed or denuded areas.

PURPOSE

- To reduce runoff and sediment damage of down stream resources
- To protect the soil surface from erosion
- To improve wildlife habitat
- To improve aesthetics
- To improve tilth, infiltration and aeration as well as organic matter for permanent plantings.

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. If an area is expected to be undisturbed for longer than six months, permanent perennial vegetation shall be used. If optimum planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to six months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface. Refer to specification **Ds1-Disturbed Area Stabilization (With Temporary Seeding).**

CONDITIONS

Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established. Note: *Some species of temporary vegetation are not appropriate for companion crop plantings because of their potential to out-compete the desired species (e.g. annual ryegrass).* Contact NRCS or the local SWCD for more information.

SPECIFICATIONS

Grading and Shaping

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others.

No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.

When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and Fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate of one ton per acre. Graded areas require lime application. Soils can be tested to determine if fertilizer is needed. On reasonably fertile soils or soil material, fertilizer is not required. For soils with very low fertility, 500 to 700 pounds of 10-10-10 fertilizer or the equivalent per acre (12-16 lbs./1,000 sq. ft.) shall be applied. Fertilizer should be applied before land preparation and incorporated with a disk, ripper or chisel.

Seeding

Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacker-

GaSWCC (Amended - 2000) 6-35

Disturbed Area Stabilization (With Permanent Vegetation) Ds3

DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization.

PURPOSE

- To protect the soil surface from erosion
- To reduce damage from sediment and runoff to down-stream areas
- To improve wildlife habitat and visual resources
- To improve aesthetics

REQUIREMENT FOR REGULATORY COMPLIANCE

This practice shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade. **Final Stabilization** means that all soil disturbing activities at the site have been completed, and that for unpaved areas and areas not covered by permanent structures, at least 70% of the soil surface is uniformly covered in permanent vegetation or equivalent permanent stabilization measures (such as the use of rip rap, gabions, permanent mulches or geotextiles) have been employed. Permanent vegetation shall consist of: planted trees, shrubs, perennial vines; a crop of perennial vegetation appropriate for the region, such that within the growing season a 70% coverage by perennial vegetation shall be achieved. Final stabilization applies to each phase of construction. For linear construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use. Until this standard is satisfied and permanent control measures and facilities are operational, interim stabilization measures and temporary erosion and sedimentation control measures shall not be removed.

CONDITIONS

Permanent perennial vegetation is used to provide a protective cover for exposed areas including cuts, fills, dams, and other denuded areas.

PLANNING CONSIDERATIONS

1. Use conventional planting methods where possible.
2. When mixed plantings are done during marginal planting periods, companion crops shall be used.
3. No-till planting is effective when planting is done following a summer or winter annual cover crop. Sericea lespedeza planted no-till into stands of rye is an excellent procedure.
4. Block sod provides immediate cover. It is especially effective in controlling erosion adjacent to concrete flumes and other structures. Refer to Specification **Ds4-Disturbed Area Stabilization (With Sodding).**
5. Irrigation should be used when the soil is dry or when summer plantings are done.
6. Low maintenance plants, as well as natives, should be used to ensure long-lasting erosion control.
7. Mowing should not be performed during the quail nesting season (May to September).
8. Wildlife plantings should be included in critical area plantings.

Wildlife Plantings

Commercially available plants beneficial to wildlife species include the following:

Mast Bearing Trees

Beech, Black Cherry, Blackgum, Chestnut, Chinkapin, Hackberry, Hickory, Honey Locust, Native Oak, Persimmon, Sawtooth Oak and Sweetgum.

All trees that produce nuts or fruits are favored by many game species. Hickory provides nuts used mainly by squirrels and bear.

GaSWCC (Amended - 2000) 6-41

Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

MATERIALS AND RATES:

MATERIAL	RATE
STRAW OR HAY	2-4" DEEP
WOOD WASTE, CHIPS, SAW DUST OR BARK	2-3" DEEP(ABOUT 6-9 TONS/ACRE
MATTING OR NETTING	ACCORDING TO MANUFACTURERS RECOMMENDATIONS
CUTBACK ASPHALT	1200 GALLONS/ACRE (1/4 GAL./SQ YD)
POLYETHYLENE FILM	COMPLETELY COVER ACRE

GENERAL NOTES:
1. USE PIEDMONT PLANTING DATES
2. FROM 6/15 TO 9/1 USE SEEDING RATES FOR TEMPORARY SEEDING AND SEED PERMANENTLY IN THE FALL.
3. AFTER SEEDING, MULCH SHALL BE APPLIED AT A RATE OF 2 1/2 TONS/ACRE

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)

SEEDING RATES FOR TEMPORARY SEEDINGS

SPECIES		RATE PER 1,000 SQ FT	RATE PER ACRE [2]	PLANTING DATES Mts.-L'stone	Piedmont	Coastal
RYE	(ALONE)	3.9 POUNDS	3 bu.	7/15-12/1	8/15-1/1	9/1-3/1
	(IN MIXTURES)	0.6 POUNDS	1/2 bu.			
ANNUAL RYEGRASS		0.9 POUND	40 lbs.	8/1-5/1	8/1-4/15	8/15-4/1
ANNUAL LESPEDEZA	(ALONE)	0.9 POUNDS	40 lbs.	2/1-5/1	2/15-5/1	1/15-3/15
	(IN MIXTURES)	0.2 POUNDS	10 lbs.			
WEEPING LOVEGRASS	(ALONE)	0.1 POUNDS	4 lbs.	3/15-6/15	3/15-6/15	2/15-6/15
	(IN MIXTURES)	0.05 POUNDS	2 lbs.			
SUDANGRASS		1.4 POUND	60 lbs.	4/1-9/1	4/1-9/1	3/1-8/1
BROWNTOP MILLET	(ALONE)	0.9 POUNDS	40 lbs.	4/1-7/1	4/1-7/15	4/1-7/15
	(IN MIXTURES)	0.2 POUNDS	10 lbs.			
WHEAT	(ALONE)	4.1 POUNDS	3 bu.	9/1-1/1	9/1-1/1	9/15-2/1
	(IN MIXTURES)	0.7 POUNDS	1/2 bu.			

[1] TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF SEEDED TOO HEAVILY.
[2] REDUCE SEEDING RATES BY 50% WHEN DRILLED.

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

NOTE: AGRICULTURAL LIME IS REQUIRED FOR ALL GRADED AREAS AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS DETERMINE OTHERWISE.

SPECIES	RATE PER 1,000 SQ FT	RATE PER ACRE [1]	PLANTING DATES Mts.-L'stone	Piedmont	Coastal	YEARS TO APPLY FERTILIZER	FERTILIZER ANALYSIS N	P	K	RATE *	N TOP-DRESSING RATE *
WEEPING LOVEGRASS AND VIRGATA OR SERICEA LESPEDEZA	0.1 lbs. 1.4 lbs.	4 lbs. 40 lbs.	3/15-6/15 3/15-6/15	3/1-6/15 3/1-6/15	2/1-6/15 2/15-6/1	FIRST	6	12	12	1500	50
						SECOND	0	10	10	1000	-
SERICEA LESPEDEZA SEEDBEARING HAY WITH OVERSEEDED WEEPING LOVEGRASS	138 lbs. 0.05 lbs.	3 tons 2 lbs.	10/1-3/1 3/15-6/15	10/1-3/1 3/1-6/15	10/15-2/1 2/1-6/15	FIRST	6	12	12	1500	50
						SECOND	0	10	10	1000	-
HULLED COMMON BERMUDAGRASS AND SERICEA LESPEDEZA	0.2 lbs. 1.4 lbs.	10 lbs. 60 lbs.	3/1-7/1 3/15-6/15	2/15-7/1 3/1-6/15	2/15-6/15	FIRST	6	12	12	1500	50
						SECOND	0	10	10	1000	-
UNHULLED COMMON BERMUDAGRASS AND VIRGATA OR SERICEA LESPEDEZA SEED HAY	0.2 lbs. 1.4 lbs. 140 lbs.	10 lbs. 40 lbs. 3 tons	10/1-3/1 3/15-6/15 10/1-3/1	11/1-2/1 3/1-6/15 10/1-3/1	2/15-6/1 10/15-2/1	FIRST	6	12	12	1500	50
						SECOND	0	10	10	1000	-
TALL FESCUEGRASS AND CLEAN COMBINE RUN VIRGATA OR SERICEA LESPEDEZA	1.1 lbs. 1.4 lbs.	50 lbs. 40 lbs.	8/1-11/1, 3/1-4/15 3/15-6/15	8/15-11/1 3/1-6/15	2/15-6/1	FIRST	6	12	12	1500	0-50 IN SPRING
						SECOND	0	10	10	1000	-
HULLED COMMON BERMUDAGRASS	0.2 lbs.	10 lbs.	3/1-7/1	2/15-7/1		FIRST	6	12	12	1500	50-100
						SECOND	10	10	10	800	50-100

1. REDUCE SEEDING RATES BY 50% WHEN DRILLED.
* FERTILIZER/N TOP-DRESSING RATES INDICATED ARE IN LBS/ACRE.

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EROSION CONTROL DETAILS
FOR
SOUTH BERRY STREET
SIDEWALK EXTENSION
LOCATED IN: CITY OF STOCKBRIDGE
HENRY COUNTY, GEORGIA
LAND LOT 61; 12th DISTRICT

REVISIONS
1. REVISED PER HENRY COUNTY COMMENTS - 1/22/13
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DRAWN BY:	SPH

GEORGIA REGISTERED No. 030440 PROFESSIONAL ENGINEER ADAM L. PRICE

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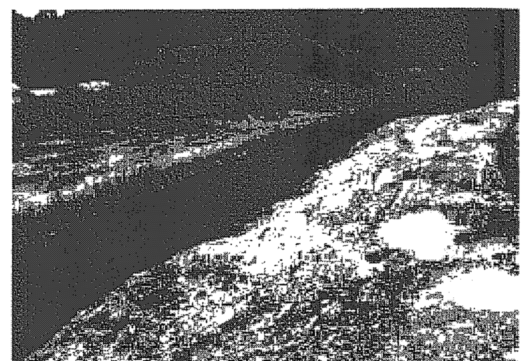
Sediment Barrier (Sd1)



DEFINITION

Sediment barriers are temporary structures typically constructed of silt fence supported by steel or wood posts. Other types of barriers may include sandbags, straw bales, brush piles or other filtering material.

PURPOSE

To prevent sediment carried by sheet flow from leaving the site and entering natural drainage ways or storm drainage system by slowing storm water runoff and causing the deposition of sediment at the structure.

CONDITIONS

Barriers should be installed where runoff can be stored behind the barrier without damaging the fence or the submerged area behind the fence.

Silt fence shall not be installed across streams, ditches, waterways, or other concentrated flow areas.

DESIGN CRITERIA

HAY OR STRAW BALES

Hay or straw bales retain sediment load transported by sheet flow from disturbed areas. The bales' comparatively low flow rate should be considered when choosing the appropriate sediment barrier. Ponding above the bale can occur rapidly. The slope lengths contributing runoff to a bale barrier cannot exceed those listed in Table 6-20.1. Straw and hay bales shall not be used if the project duration is expected to exceed three months.

Table 6-20.1. Criteria For Straw or Hay Bale Placement

Land Slope	Maximum Slope Length Above Bale
Percent	Feet
<2	75
2 to 5	50
5 to 10	35
10 to 20	20
>20	10

SILT FENCE

Like hay or straw bales, silt fence is designed to retain sediment transported by sheet flow from disturbed areas. Silt fence performs the same function as hay or straw bales, allows a higher flow rate, and is usually faster and cheaper to install. Approved silt fence fabrics are listed in the Georgia Department of Transportation Qualified Products List #36 (QPL-36). See Table 6-20.5 for current Georgia DOT silt fence specifications.

Where all runoff is to be stored behind the fence (where no stormwater disposal system is present), maximum slope length behind a silt fence shall not exceed those shown in Table 6-20.2. The drainage area shall not exceed 1/4 acre for every 100 feet of silt fence.

Table 6-20.2. Criteria For Silt Fence Placement

Land Slope	Maximum Slope Length Above Fence
Percent	Feet
<2	100
2 to 5	75
5 to 10	50
10 to 20	25
>20*	15

*In areas where the slope is greater than 20%, a flat area length of 10 feet between the toe of the slope to the fence should be provided.

Type A Silt Fence (Sd1-A)

This 36-inch wide filter fabric shall be used on developments where the life of the project is greater than or equal to six months.

Type B Silt Fence (Sd1-B)

Though only 22-inches wide, this filter fabric allows the same flow rate as Type A silt fence. Type B silt fence shall be limited to use on minor projects, such as residential home sites or small commercial developments where permanent stabilization will be achieved in less than six months.

Type C Silt Fence (Sd1-C)

Type C fence is 36-inches wide with wire reinforcement. The wire reinforcement is necessary because this fabric allows almost three times the flow rate as Type A silt fence. Type C silt fence shall be used where runoff flows or velocities are particularly high or where slopes exceed a vertical height of 10 feet.

Provide a riprap splash pad or other outlet protection device for any point where flow may top the sediment fence. Ensure that the maximum height of the fence at a protected, reinforced outlet does not exceed 1 ft. and that support post spacing does not exceed 4 ft.

CONSTRUCTION SPECIFICATIONS

Sandbags (Sd1-S)
(if approved by local issuing authority)

Should be installed so that flow under or between bags is minimal. Anchoring with steel rods may be required if structure height exceeds two bags.

Hay or Straw Bales (Sd1-Hb)
(if approved by local issuing authority)

Bales will be placed in a single row, lengthwise, on the contour and embedded in the soil to a depth of 4 inches. Bales must be securely anchored in place by stakes or bars driven through the bales or by other acceptable means to prevent displacement. See Figures 6-20.1 and 6-20.2 for installation requirements.

Brush Barrier (Sd1-Bb)
(only during timber clearing operations)

Brush obtained from clearing and grubbing operations may be piled in a row along the perimeter of disturbance at the time of clearing and grubbing. Brush barriers should not be used in developed areas or locations where aesthetics are a concern.

Brush should be wind-rowed on the contour as nearly as possible and may require compaction. Construction equipment may be utilized to satisfy this requirement.

The minimum base width of the brush barrier shall be 5 feet and should be no wider than 10 feet. The height of the brush barrier should be between 3 and 5 feet.

If a greater filtering capacity is required, a commercially available filter fabric may be placed on the side of the brush barrier receiving the sediment-laden runoff. The lower edge of the fabric must be buried in a 6-inch deep trench immediately uphill from the barrier. The upper edge must be stapled, tied or otherwise fastened to the brush barrier. Edges of adjacent fabric pieces must overlap each other. See Figure 6-20.3.

Silt Fence

The manufacturer shall have either an approved color mark yarn in the fabric or label the fabricated silt fence with both the manufacturer and fabric name every 100 feet.

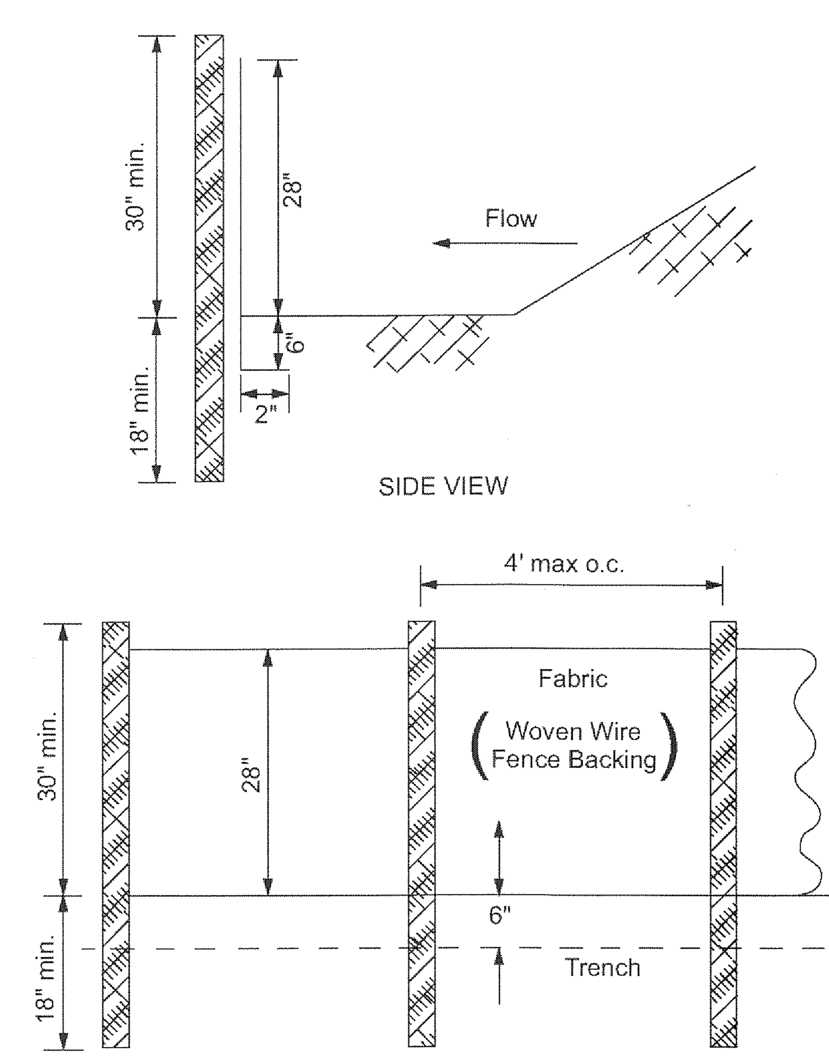
The temporary silt fence shall be installed according to this specification, as shown on the plans or as directed by the engineer. For installation of the fabric, see Figures 6-20.4, 6-20.5, and 6-20.6 respectively.

Post installation shall start at the center of the low-point (if applicable) with remaining posts spaced 6 feet apart for Type A and B silt fences and 4 feet apart for Type C silt fence. While Type A and B silt fences can be used with both wood and steel posts, only steel posts shall be used with Type C silt fence. For post size requirements, see Table 6-20.3. Fasteners for wood posts are listed in Table 6-20.4.

Along stream buffers and other sensitive areas, two rows of Type C silt fence or one row of Type C silt fence backed by haybales shall be used.

MAINTENANCE

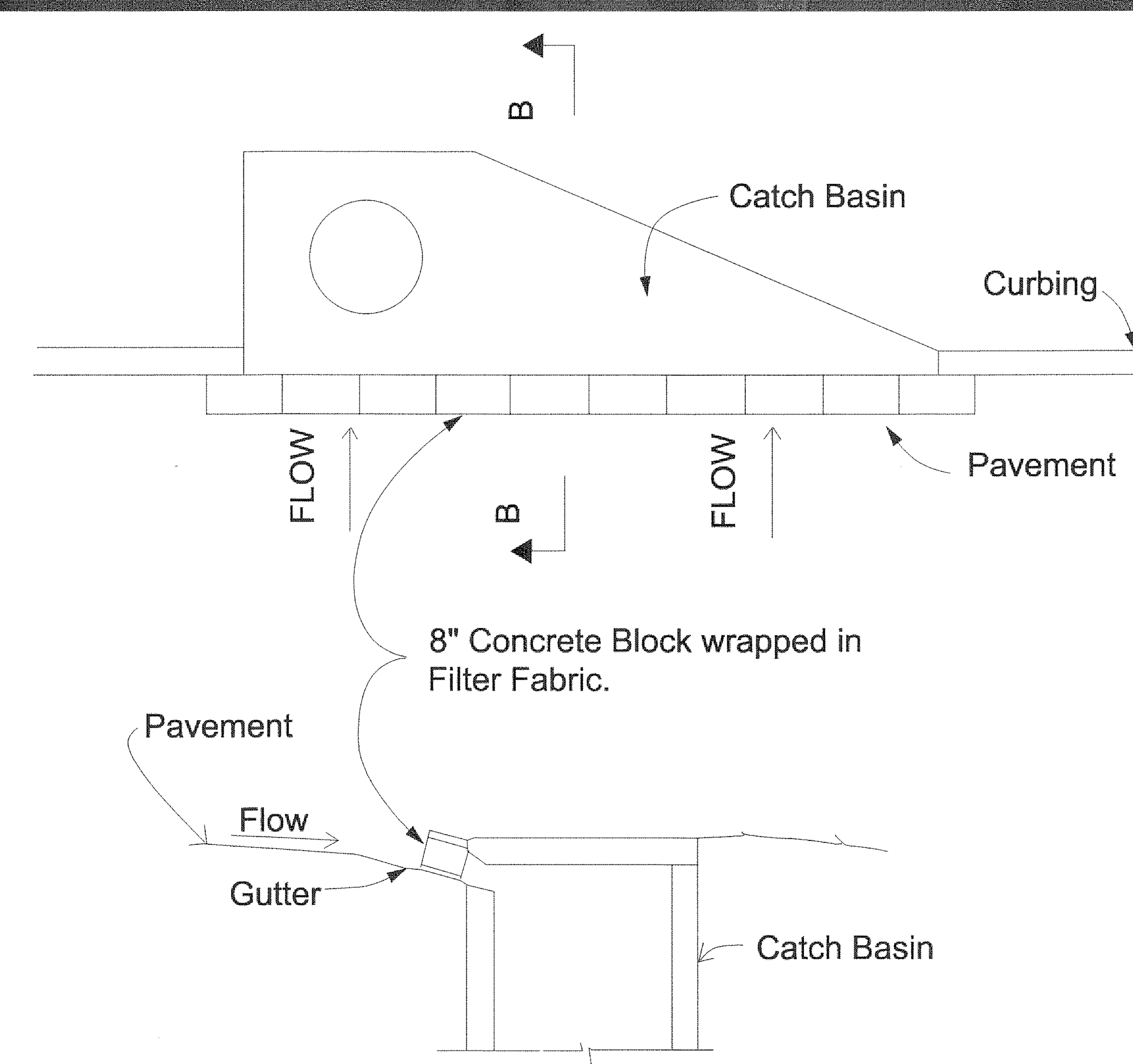
Sediment shall be removed once it has accumulated to one-half the original height of the barrier. Filter fabric shall be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months). Temporary sediment barriers shall remain in place until disturbed areas have been permanently stabilized. All sediment accumulated at the barrier shall be removed and properly disposed of before the barrier is removed.



NOTE:
Use 36" D.O.T. approved fabric.
Use steel posts.- only

SILT FENCE - TYPE C

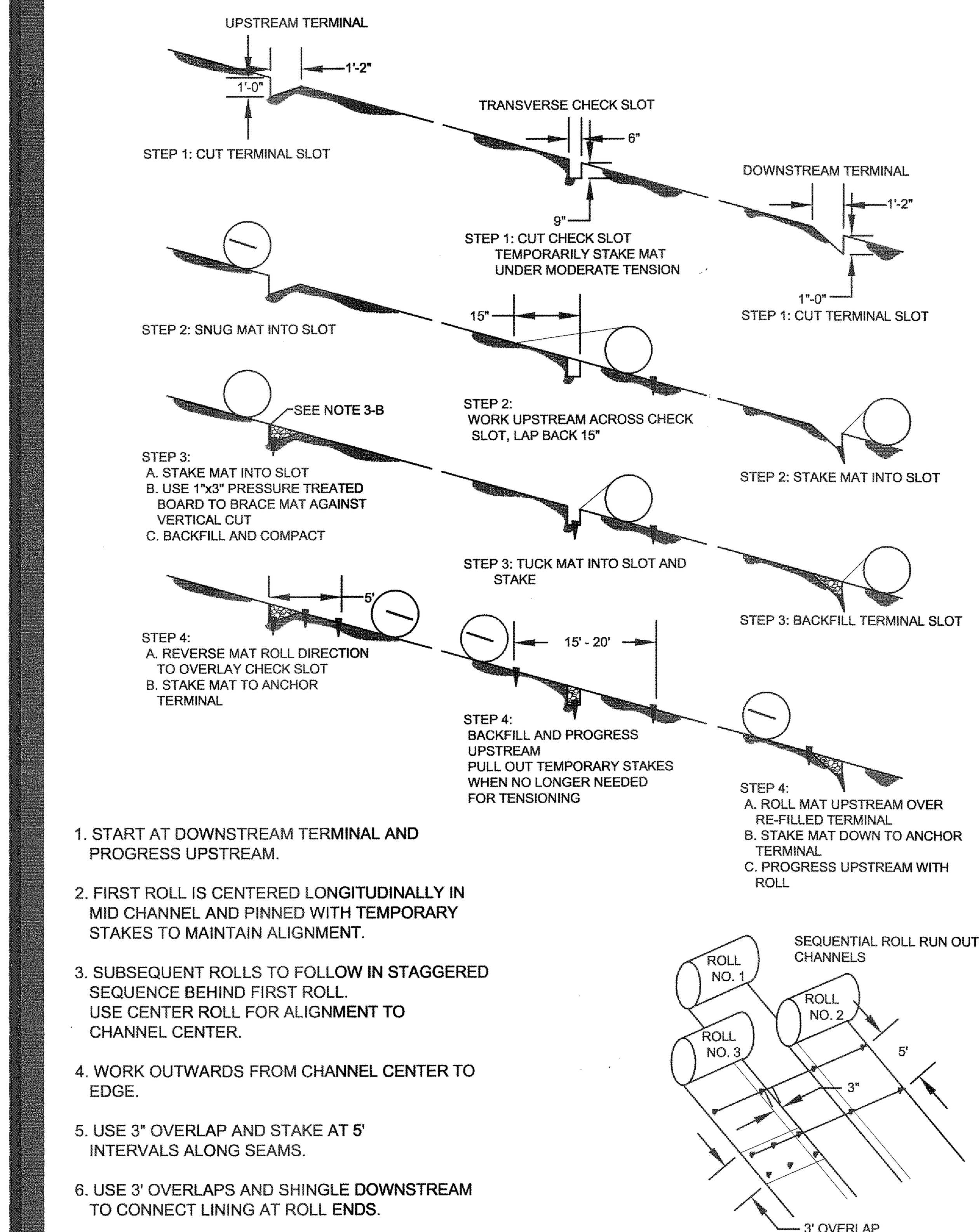
Figure 6-20.6



SECTION B-B

NOTE:
Install filter after any asphalt pavement installation.

CURB INLET FILTER
"PIGS IN BLANKET"
Figure 6-21.5



1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS TO FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
4. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
5. USE 3" OVERLAP AND STAKE AT 5' INTERVALS ALONG SEAMS.
6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.

Mb EROSION CONTROL MATTING & BLANKETS

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