BID SET SITE DE\	
18	
BLUFFT	
TC	
TM	
LA	

# - NOT FOR CONSTRUCTION VELOPMENT PLANS OF 84 BLUFFTON

# ON, SOUTH CAROLINA

PREPARED FOR: OWN OF BLUFFTON 20 BRIDGE STREET BLUFFTON, SC 29910

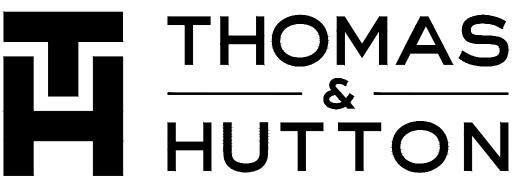
# R610-039-000-049B-0000

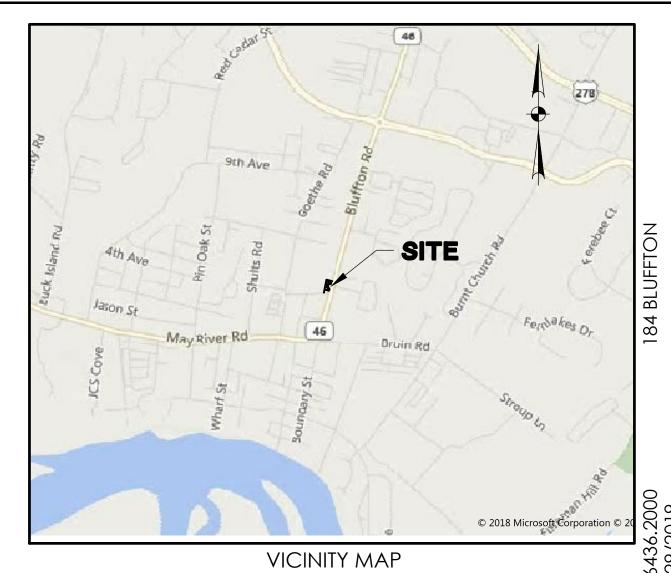
NOVEMBER 1, 2018 TEST REVISION: 01/29/2019 J-26436.2000





PREPARED BY:





SCALE: 1" = 2000'

	Sheet List Table						
Sheet Number	er Sheet Title						
CS	COVER SHEET						
EX1.1	EXISTING CONDITIONS - DEMOLITION PLAN						
EC1.1	ES & PC NOTES						
EC1.2	ES & PC NOTES						
EC2.1	EC&PC PLAN						
EC3.1	EC & PC DETAILS						
EC3.2	EC & PC DETAILS						
C1.1	PAVING GRADING AND DRAINAGE PLAN						
C1.2	PAVING GRADING AND DRAINAGE DETAILS						
C1.3	PAVING GRADING AND DRAINAGE DETAILS						
C2.1	UTILITY PLAN						
C2.2	WATER DETAILS						

	<b>REVISION HISTORY</b>		
			<u> </u>
		<u> </u>	<u> </u>
		<u> </u>	<u> </u>
REV. NO.	REVISION	BY	DATE
	SUBMITTAL HISTORY		
			T

SUBMITTED TO

DATE

Know what's below. Call before you dig.



1503 Newcastle Street • Suite A Brunswick, GA 31520 p.912.466.0536 f.912.466.0537 www.thomasandhutton.com



- 2:15:56									
- 2013 -	SIT	E DE	SCRIPTION				3.1.	. \	NASTE DISPOSAL
- Aug 1	Α.						3.	.1.1.	NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO ANY
1g2.dwg			PROJECT AREA AREA DISTURBED		0.71 ACRES 0.71ACRES				RECEIVING WATERS. OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE
s/Dr awir			PERCENT IMPERVIOUS AREA BEFORE CONS RUNOFF COEFFICIENT BEFORE CONSTRUC		62 % 57 CN				MINIMIZED. THIS PLAN SHALL COMPLY WITH STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER
cuments			PERCENT IMPERVIOUS AREA AFTER CONST RUNOFF COEFFICIENT AFTER CONSTRUCTI		50 % 84 CN				OR SEPTIC SYSTEM REGULATIONS.
NO/NO	в.	DESC	RIPTION OF CONSTRUCTION ACTIVITY				3.	.1.4.	DUST CONTROL ON DISTURBED AREAS - CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE AND HAUL ROUTES. THE PURPOSE OF THE MEASURE IS TO REDUCE
S-HUTT		AND (	K CONSISTS OF CLEARING, GRADING, DRAIN GRASSING, INSTALLATION OF WATER, WAST	E WATER AND STORM					THE PRESENCE OF AIRBORNE SUBSTANCES, WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE OR SAFETY, OR TO ANIMALS OR PLANT LIFE.
тнома	C.		ER SYSTEMS AND PARKING LOT, ASSOCIATE IFF DATA	D WITH DEVELOPMENT.					
vd_myr.			SOIL CLASSIFICATIONS:			III.	MAI	INT	TENANCE
Jsers∖c			LAND USE(S): IVING WATERS	PARKING LOT					TENANCE PROGRAM THE SITE SUPERINTENDENT, OR HIS/HER REPRESENTATIVE, SHALL MAKE VISUAL INSPECTIONS
<u>د:</u> \۱	2.		CLOSEST RECEIVING WATERS:	TRIBUTARY TO THE MAY	RIVER				OF ALL MECHANICAL CONTROLS AND NEWLY STABILIZED AREAS (I.E. SEEDED AND MULCHED AND/OR SODDED AREAS) ON A DAILY BASIS; ESPECIALLY AFTER HEAVY RAINFALL EVENT TO
	F	D.2. FLOO	ULTIMATE RECEIVING WATERS:	ATLANTIC OCEAN				I	NSURE THAT ALL CONTROLS ARE MAINTAINED AND PROPERLY FUNCTIONING. ANY DAMAGED
			FEMA FLOOD ZONE(S):	ZONE C					AND MULCHING OR RE-SODDING IF NECESSARY.
	CC	NTR	FEMA FLOOD INSURANCE MAP(S): COL MEASURES	4502510001A			4.2.		EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION
			ION AND SEDIMENT CONTROLS						OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR
			OR TO START OF CONSTRUCTION, ALL EXTER	RIOR SILT FENCE WILL BE	INSTALLED AS SHOWN				IREAT THE SEDIMENT SOURCE. ALL DRAINAGE SWALES, POCKETS, DEPRESSION, LOW LINES, AND OUTLET DITCHES SHALL DRAIN EFFECTIVELY AT ALL TIMES. SETTLEMENT OR WASHING
			THE PLANS.						THAT MAY OCCUR SHALL BE REPAIRED BY THE CONTRACTOR. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE. THE
	1.	1. C	LEARING					5	SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN AN EFFECTIVE BARRIER. MAINTAIN THE CONSTRUCTION EXIT IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM
			AS CLEARING IS COMPLETED, ADDITIONAL					L	EAVING THE SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE.
			NECESSARY, SUCH AS POINTS WHERE FLOW WHERE EXCESSIVE RUNOFF VELOCITIES MA	AY OCCUR.				F	MMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TACKED ONTO PUBLIC ROADWAYS. RESEED AND MULCH AREA WHERE SEEDING EMERGENCE IS POOR, OR
			INSTALL CONSTRUCTION ENTRANCES / EXI CONSTRUCTION DELAYS IN ANY ONE AREA						WHERE EROSION OCCURS. PROTECT FROM TRAFFIC AS MUCH AS POSSIBLE. INSPECT ALL MULCHES PERIODICALLY, AND AFTER RAINSTORMS TO CHECK FOR EROSION, DISLOCATION OR
			ROUGH GRADING WILL MANDATE STABILIZA STABILIZATION INCLUDE MULCHING AND TE		CEPTABLE METHODS OF				AILURE. IF WASHOUT OCCURS, REPAIR THE SLOPE GRADE, RESEED AND REINSTALL MULCH. FOLLOW THE CONSTRUCTION SEQUENCE THROUGHOUT THE PROJECT DEVELOPMENT. WHEN
		1.1.4.	MAINTAIN EXISTING VEGETATION WHENEVE DISTURBANCE. RETAIN AND PROTECT TREE	ER POSSIBLE AND MINIMIZ				(	CHANGES IN CONSTRUCTION ACTIVITIES ARE NEEDED, AMEND THE SEQUENCE SCHEDULE IN ADVANCE TO MAINTAIN MANAGEMENT CONTROL. IF MAJOR CHANGES ARE NECESSARY, SEND A
		1.1 5	AND REDUCE RAINDROP IMPACT.					(	COPY OF THE MODIFIED SCHEDULE TO THE ENGINEER, SEDIMENT AND EROSION CONTROL MEASURES WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE DISTURBED AREAS ARE
			ACTIVITIES. PHASE CONSTRUCTION ACTIVITIES TO MINI						MEASURES WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE DISTURBED AREAS ARE STABILIZED.
		1.1.0.	WILL ALSO ALLOW COMPLETED AREAS TO I	BE STABILIZED AND RE-VE	GETATED BEFORE				FENCE
			DISTURBING ADJACENT SITES. THE NEED F MAY BE AVOIDED BY COMPLETING A PHASE	E AND INSTALLING PERMA					T FENCES WILL BE MONITORED DURING CONSTRUCTION. ANY SILT FENCE WHICH IS NOT NCTIONING PROPERLY WILL BE PROMPTLY REPAIRED. CLEAN OUT THE SILT FENCE WHEN IT
		1.1.7.	CONTROL MEASURES WHEN THE FINAL GRA MAINTAIN AND PROTECT ALL NATURAL WA		ST A35-FOOT				ACHES 1/3 THE HEIGHT OF THE FENCE OR REPLACE WITH FUNCTIONAL SILT FENCE WITHIN 24 JURS. USE OF HOSES AND WATER TO FLUSH THE SEDIMENT INTO THE STORM INLETS IS
			UNDISTURBED BUFFER OF NATURAL VEGET SEDIMENT AND OTHER POLLUTANTS. MAIN						ACCEPTABLE. MENTATION BASINS
			SENSITIVE WATERS. INSTALL SILT FENCE (OR BIO ROLLS/ROCK	SOCK PRODUCTS) ON TH	E DOWN-SLOPE		0. 3		DIMENTATION BASINS WHICH ARE AT 50% USED CAPACITY OR APPROACHING SUCH CAPACITY
			PERIMETER OF ALL DISTURBED AREAS PRIC (INCLUDING CLEARING AND GRUBBING). SI	OR TO ANY SOIL DISTURBI	NG ACTIVITIES			SH	ALL BE RE-EXCAVATED TO ORIGINAL DIMENSIONS AND THE SILT PROPERLY DISPOSED OF.
			FEET PER LINEAL FOOT OF FENCE. INSTALL	SILT FENCE IN SHORTER	REACHES ON THE	•			MENT LOGS/ROLLS
			CONTOUR WITH EACH END TURNED UP-SLO ALSO BE PROTECTED WITH SILT FENCE, BIO	O ROLLS, OR ROCK SOCKS	3.				DIMENT LOGS/ROLLS OR OTHER CONTROL MEASURES WHICH BEGIN TO DISINTEGRATE OR NCTION INEFFECTIVELY SHALL BE PROMPTLY REPLACED.
			IN AREAS OF CONCENTRATED FLOW INSTA TRIANGULAR DIKES, BIO ROLL BLANKETS, O				8. V	/EGE	ETATION COVER
			SEDIMENT.						Y VEGETATION COVER SERVING TO STABILIZE DISTURBED SOILS WHICH IS ITSELF DISTURBED ALL IMMEDIATELY BE REPLACED.
		1.1.10.	. USE TEMPORARY SLOPE DRAINS OR ROCK	CHUTES TO MOVE WATER	DOWN STEEP SLOPES.		9. C	ONS	STRUCTION ENTRANCE
		1.1.11.	. CONSTRUCT SEDIMENT BASINS FOR DRAIN	IAGE AREAS GREATER TH	AN 10 ACRES				INTAIN ROCK CONSTRUCTION ENTRANCE AND CLEAN ADJACENT ROADS OF ANY MUD ACKED ONTO THEM.
	1.	2. R	OUGH GRADING						
			ALL EXISTING CONTROLS WILL BE MAINTAI GREATER THAN 14 DAYS PRIOR TO START C	OF NEXT ACTIVITY WILL MA	NDATE STABILIZATION	IV.	INS	SPE	ECTIONS
			PROCEDURES. ACCEPTABLE METHODS OF TEMPORARY SEEDING.	STABILIZATION INCLUDE	MULCHING AND				LIFIED PERSONNEL WILL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE, AREAS OF FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT BEEN
			ALL AREAS NOT SUBJECT TO FURTHER CON ROADS, WATER DISTRIBUTION SYSTEMS, ON						LLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES R OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS. WHERE SITES HAVE
		1.2.3.	WITH A PERMANENT COVER. COVER ANY STOCK PILED TOPSOIL WITH PI	LASTIC (OR OTHER IMPER	VIOUS COVERING) OR				I FINALLY STABILIZED SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY TH DURING THE WARRANTY PERIOD.
			USE A TEMPORARY SEED MIX. USE STOCKF TEMPORARY SEDIMENT BASINS.	•	,				URBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO
	1.		RAINAGE				E	NTE	CIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS RING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN
		1.3.1.	ALL EXISTING CONTROLS WILL BE MAINTAI	NED DURING DRAINAGE IN	ISTALLATION.		D	ISC	PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE HARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN
			CONSTRUCTION DRAINAGE WILL BE ROUTE SEDIMENT BASINS OR OTHER ACCEPTABLE				T	OR	THER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS ECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE
			STORM DRAIN INLET PROTECTION AS SHOW CURB INLETS, STORM DRAIN MANHOLES, JU			_			ECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.
			DELAYS OF GREATER THAN 14 DAYS PRIOR SEQUENCE WILL MANDATE STABILIZATION	TO START OF THE NEXT O	ONSTRUCTION		0	)F P	RITTEN REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS ERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, WEATHER RMATION FOR THE DEDIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF
			STABILIZATION INCLUDE MULCHING AND TE	EMPORARY SEEDING.			С	ONS	RMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF STRUCTION ACTIVITY) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM IT DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF PAINEAUL FOR EACH STORM
			ALL STORM LINES NOT IN STREETS OR OTH SEEDED WITHIN 5 DAYS AFTER BACKFILL.	AVED ANEAS AKE IO	JE MICLORED AND		E	VEN	IT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM IT (IN INCHES) AND WHETHER ANY DISCHARGES OCCURRED, LOCATION(S) OF DISCHARGES OF MENT OR OTHER POLLUTANTS FROM THE SITE, LOCATION(S) OF BMP'S THAT NEED
	1.	.4. W	VASTE DISTRIBUTION SYSTEM INSTALLATION	N			Μ	1AIN	TENANCE, LOCATION(S) OF BMP'S THAT FAILED TO OPERATE AS DESIGNED OR PROVED EQUATE FOR A PARTICULAR LOCATION, LOCATION(S) WHERE ADDITIONAL BMP'S ARE NEEDED
		1.4.1.	ALL EXISTING CONTROLS WILL BE MAINTAI	NED DURING INSTALLATIO	ON OF THE WATER		TI	HAT	DID NOT EXIST AT THE TIME OF INSPECTION AND ANY CORRECTIVE ACTION REQUIRED JDING ANY CHANGES TO SWPPP NECESSARY AND IMPLEMENTATION DATES.
			DISTRIBUTION SYSTEM. DELAYS OF GREATER THAN 14 DAYS PRIOR						REPORT SHALL BE MAINTAINED AT LEAST THREE YEARS FROM THE DATE THE SITE IS FINALLY
			STABILIZATION PROCEDURES. ACCEPTABL MULCHING AND TEMPORARY SEEDING.	E METHODS OF STABILIZA	ATION INCLUDE		S	ТАВ	SILIZED. THE REPORT MUST BE SIGNED AND SHALL CONTAIN A CERTIFICATION THAT THE LITY IS IN COMPLIANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN AND THE
	1.	5. W	VASTEWATER COLLECTION SYSTEM INSTALL	ATION			Ν	IPDE	ES PERMIT REFERENCED ABOVE. THE CONTRACTOR SHALL MAINTAIN THIS REPORT. THE DRT SHALL BE SUBMITTED TO THE ENGINEER AND OWNER.
					N OF THE WASTFWATER	V			TERM MAINTENANCE OF DRAINAGE AND STORM WATER
			SYSTEM. DELAYS OF GREATER THAN 14 DAYS PRIOR						GEMENT SYSTEM
			STABILIZATION PROCEDURES. ACCEPTABL MULCHING AND TEMPORARY SEEDING.				<b>-</b>	.пс.	ROADS AND DRAINAGE SYSTEM WILL BE OWNED AND MAINTAINED BY PULTE HOME COMPANY.
									ROADS AND DRAINAGE SYSTEM WILL BE OWNED AND MAINTAINED BY PULTE HOME COMPANY, AFTER CONSTRUCTION IS COMPLETE.
					TRUCTION	VI.	SC	Dŀ	HEC STANDARD NOTES
		1.6.2.	ALL EXISTING CONTROLS WILL BE MAINTAIL DELAYS OF GREATER THAN 14 DAYS PRIOR	TO START OF NEXT ACTIV	ITY WILL MANDATE		1. IF	= NE	CESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH
			STABILIZATION PROCEDURES. ACCEPTABL MULCHING AND TEMPORARY SEEDING.	LE METHODS OF STABILIZA	ATION INCLUDE		S	SYNT	THETIC OR VEGETATIVE MATS, IN ADDITION TO GRASSING / HYDROSEEDING. IT MAY BE ESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY
	1.	7. G	RASSING						IS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
			ALL EXISTING CONTROLS WILL BE MAINTAI						BILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN
			ANY AREAS THAT ERODE OR WHERE GRASS RE-GRADED AND RE-GRASSED.	JUES NUT ESTABLISH IT	JELF JHALL BE			IO C ELC	ASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED W:
	2.	STOR	M WATER MANAGEMENT				2.1.		WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND
			FF FROM THIS PROJECT WILL DISCHARGE IN TMENT WILL OCCUR IN STORM WATER DETE		IAGEMENT SYSTEM.		2.2.	. \	CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND
	3.		R CONTROLS						EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
							3. A		SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR
							W	VEEI	K. IF SITE INSPECTIONS IDENTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING CTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY
									SIBLE BEFORE THE NEXT STORM EVENT WHENEVER PRACTICAL.
							E	ROS	/IDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL SION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER

EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED INTO ANY WATERS OF THE STATE.

### ATERIALS, SHALL BE DISCHARGED TO ANY

- ND THE GENERATION OF DUST SHALL BE
- OLLING SURFACE AND AIR MOVEMENT OF DUST THE PURPOSE OF THE MEASURE IS TO REDUCE VHICH MAY BE HARMFUL OR INJURIOUS TO ANIMALS OR PLANT LIFE.
- SENTATIVE, SHALL MAKE VISUAL INSPECTIONS ABILIZED AREAS (I.E. SEEDED AND MULCHED PECIALLY AFTER HEAVY RAINFALL EVENT TO AND PROPERLY FUNCTIONING, ANY DAMAGED ND OF THE WORK DAY INCLUDING RE-SEEDING
- INED AT ALL TIMES. IF FULL IMPLEMENTATION OR EFFECTIVE EROSION CONTROL, ADDITIONAL JRES SHALL BE IMPLEMENTED TO CONTROL OR WALES, POCKETS, DEPRESSION, LOW LINES, Y AT ALL TIMES. SETTLEMENT OR WASHING CONTRACTOR. SEDIMENT WILL BE REMOVED EACHES 1/3 THE HEIGHT OF THE FENCE. THE SARY TO MAINTAIN AN EFFECTIVE BARRIER. ION TO PREVENT MUD OR SEDIMENT FROM TOP DRESSING WITH ADDITIONAL STONE. ERIALS SPILLED, WASHED, OR TACKED ONTO WHERE SEEDING EMERGENCE IS POOR, OR FFIC AS MUCH AS POSSIBLE. INSPECT ALL RMS TO CHECK FOR EROSION, DISLOCATION OR OPE GRADE, RESEED AND REINSTALL MULCH. JGHOUT THE PROJECT DEVELOPMENT. WHEN EDED AMEND THE SEQUENCE SCHEDULE IN . IF MAJOR CHANGES ARE NECESSARY, SEND A INEER. SEDIMENT AND EROSION CONTROL TAINED UNTIL THE DISTURBED AREAS ARE
- RUCTION. ANY SILT FENCE WHICH IS NOT AIRED. CLEAN OUT THE SILT FENCE WHEN IT ACE WITH FUNCTIONAL SILT FENCE WITHIN 24 E SEDIMENT INTO THE STORM INLETS IS
- CAPACITY OR APPROACHING SUCH CAPACITY IS AND THE SILT PROPERLY DISPOSED OF.
- SURES WHICH BEGIN TO DISINTEGRATE OR EPLACED.
- ISTURBED SOILS WHICH IS ITSELF DISTURBED
- LEAN ADJACENT ROADS OF ANY MUD
- REAS OF THE CONSTRUCTION SITE, AREAS SED TO PRECIPITATION THAT HAVE NOT BEEN JRES. AND LOCATIONS WHERE VEHICLES VEN CALENDAR DAYS. WHERE SITES HAVE L BE CONDUCTED AT LEAST ONCE EVERY
- OF MATERIALS THAT ARE EXPOSED TO OF, OR THE POTENTIAL FOR, POLLUTANTS SEDIMENT CONTROL MEASURES IDENTIFIED IN HEY ARE OPERATING CORRECTLY. WHERE E, THEY SHALL BE INSPECTED TO ASCERTAIN CTIVE IN PREVENTING SIGNIFICANT IMPACTS ES ENTER OR EXIT THE SITE SHALL BE RACKING.
- HE INSPECTION, NAME(S) AND QUALIFICATIONS (S) OF THE INSPECTION. WEATHER PECTION (OR SINCE COMMENCEMENT OF ATE OF THE BEGINNING OF EACH STORM MATE AMOUNT OF RAINFALL FOR EACH STORM OCCURRED. LOCATION(S) OF DISCHARGES OF
- LOCATION(S) OF BMP'S THAT NEED TO OPERATE AS DESIGNED OR PROVED ON(S) WHERE ADDITIONAL BMP'S ARE NEEDED ND ANY CORRECTIVE ACTION REQUIRED ND IMPLEMENTATION DATES.
- E YEARS FROM THE DATE THE SITE IS FINALLY ALL CONTAIN A CERTIFICATION THAT THE R POLLUTION PREVENTION PLAN AND THE CTOR SHALL MAINTAIN THIS REPORT. THE ND OWNER.
- AGE AND STORM WATER
- AND MAINTAINED BY PULTE HOME COMPANY,
- RTICAL FEET SHOULD BE STABILIZED WITH RASSING / HYDROSEEDING. IT MAY BE S DURING CONSTRUCTION. TEMPORARY HT TO GRADE
- DON AS PRACTICABLE IN PORTIONS OF THE ORARILY OR PERMANENTLY CEASED, BUT IN VORK HAS CEASED, EXCEPT AS STATED
- CLUDED BY SNOW COVER OR FROZEN GROUND E INITIATED AS SOON AS PRACTICABLE. OF THE SITE IS TEMPORARILY CEASED, AND D WITHIN 14 DAYS, TEMPORARY INITIATED ON THAT PORTION OF THE SITE.
- ALL BE INSPECTED ONCE EVERY CALENDAR RE DAMAGED OR ARE NOT OPERATING AS SOON AS PRACTICAL OR AS REASONABLY /ER PRACTICAL.
- /ICES, AS MAY BE REQUIRED, TO CONTROL SOIL

- **STORMWATER POLLUTION PREVENTION PLAN**
- 5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL FROSION AND/OR OFFSITE SEDIMENTATION ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION, INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 AND SCR100000.
- 8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- 9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS. WHERE A 50-FOOT BUFFER CAN NOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS
- 10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- 11. A COPY OF THE SWPPP, INSPECTION RECORDS AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS. FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED
- 12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- 13. MINIMIZE SOIL COMPACTION IN AREAS NOT UNDER PAVEMENTS AND /OR STRUCTURES AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- 14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUAL OR BETTER TREATMENT PRIOR TO DISCHARGE.
- 15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
- 16. THE FOLLOWING DISCHARGES ARE PROHIBITED:
- 16.1. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE
- CONTROL 16.2. WASTEWATER FROM WASHOUT AND CLEANOUT OF OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS; 16.3. FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND
- MAINTENANCE; AND 16.4. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- 17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- 18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF PERMIT SCR100000 AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED THESE PERFORMANCE STANDARDS APPLY TO ALL SITES. AS SOON AS REASONABLY POSSIBLE.
- 19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE, THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

### VII. EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES

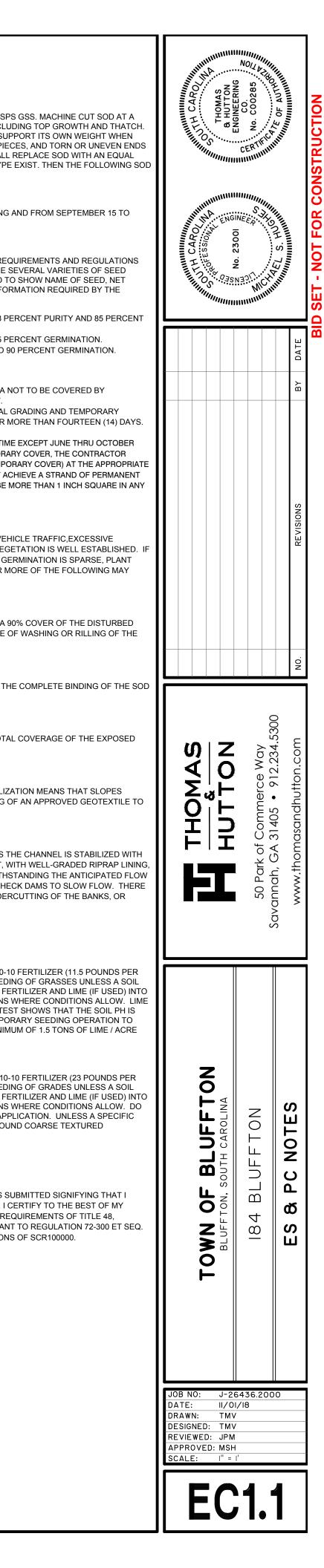
- THE IMPLEMENTATION OF THESE FROSION SEDIMENT CONTROL (ESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
- 2. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- 5. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A MAJOR STORM EVENT.
- 6. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING AND PRIOR TO FINAL INSPECTION. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 8. BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY, THE EXISTING STORM WATER INLET(S) THAT RECEIVING RUNOFF FROM THE PROPOSED WORK AREA SHALL BE PROTECTED. THE TEMPORARY INFET PROTECTION MUST REMAIN IN PLACE UNTIL THE CONSTRUCTION ACTIVITY IS COMPLETED. THE STREET HAS BEEN SWEPT AND ANY EXPOSED SOILS ARE STABILIZED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR REMOVING ANY TEMPORARY INLET PROTECTION INSTALLED; AFTER ALL DISTURBED AREAS ARE STABILIZED. TEMPORARY PROTECTION OF THE INLETS MAY BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING:
- 8.1. USE OF GRAVEL BAGS TO FILTER THE SEDIMENT FROM ANY RUNOFF. TO MAKE A GRAVEL BAG, USE A BAG MADE OF GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH EITHER 3/4 INCH ROCK OR 1/4 INCH PEA GRAVEL
- 8.2. USE OF SEDIMENT LOGS TO FILTER THE SEDIMENT FROM ANY RUNOFF (AVAILABLE THROUGH LOCAL EROSION CONTROL SUPPLIERS).
- 8.3. USE OF ABOVE OR UNDER-GRATE FILTER BAGS OR DEVICES TO FILTER THE SEDIMENT FROM ANY RUNOFF (AVAILABLE THROUGH EROSION CONTROL SUPPLIERS).
- 9. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION, SEDIMENTATION, OR FLOODING ON THE SITE, ON DOWNSTREAM PROPERTIES, IN THE RECEIVING CHANNELS, OR IN ANY STORM WATER INLET. WHEN SITE DEWATERING, WATER PUMPED FROM THE SITE, INCLUDING TRENCHES, SHALL BE TREATED BY ONE OF THE FOLLOWING:
- 9.1. TEMPORARY SEDIMENTATION BASINS 9.2. SEDIMENT FILTERING BAGS
- 10. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL EXISTING UTILITIES. EXISTING UTILITIES ARE ALL UTILITIES THAT EXIST ON THE PROJECT IN AN ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UNDERGROUND OR OVERHEAD FACILITIES, EVEN IF THE UTILITY IS NOT SHOWN ON THE SITE DEVELOPMENT PLANS. THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITIES PROTECTION CENTER TO COORDINATE THE MARKING OF EXISTING UTILITY LINES A MINIMUM OF 96 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
- 11. THE CONTRACTOR SHALL FLUSH ALL INLETS AND PIPE AT THE COMPLETION OF CONSTRUCTION TO REMOVE SILT AND DEBRIS. THE CLEANING AND FLUSHING OF INLETS AND PIPE (EXISTING AND PROPOSED) SHALL BE CONSIDERED PART OF THE COST FOR THE PROJECT.
- 12. EGRESS FROM THE SITE SHALL BE CONTROLLED SUCH THAT VEHICLES LEAVING THE SITE MUST TRAVERSE CONSTRUCTION EXITS TO REMOVE MUD FROM TIRES.

- 13. SCHEDULE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXPOSURE. IN SCHEDULING, TAKE INTO ACCOUNT THE SE
- 14. EROSION CONTROL MEASURES ARE THE MINIMUM REQUIR ADDITIONAL CONTROL MEASURES AS DICTATED BY ACTU CONSTRUCTION IN ORDER TO PREVENT EROSION AND CO SEDIMENT CONTROL MEASURES WILL REMAIN IN PLACE A PROJECT IS TERMINATED OR SUSPENDED FOR AND INDEF AREAS SHALL BE PLANTED WITH PERMANENT VEGETATIC
- 15. THE DATA, TOGETHER WITH ALL OTHER INFORMATION SH INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES UPON FIELD INVESTIGATIONS AND IS BELIEVED TO BE INC HOWEVER, THE SAME IS SHOWN AS INFORMATION ONLY, THOMAS & HUTTON, OR THE OWNER IN ANY WAY.
- 16. CONTRACTOR SHALL MAINTAIN SITE ON A DAILY BASIS TO CONTRACTOR, AT HIS COST, SHALL GRADE SITE AND PRO SWALES TO INSURE STORM WATER DOES NOT POND ON
- 17. SITE DRAINAGE SHALL BE ESTABLISHED TO PREVENT ANY THE CONSTRUCTION AREA AND TO FACILITATE STORM WA
- 18. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREV EROSION AND SEDIMENT CONTROL MEASURES AND PRACT LAND DISTURBING ACTIVITIES.
- 19. LIME RATES AND ANALYSIS:
- 19.1. AGRICULTURAL LIME SHALL BE APPLIED AT THE RATE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PL ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL SPECIFICATIONS OF THE SOUTH CAROLINA DEPARTM
- 20. MULCHING:
- MULCHING IS REQUIRED FOR ALL PERMANENT VEGETATIC SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELEC FOLLOWING AND APPLY AS INDICATED:
- 20.1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FRE STRAW SHALL BE APPLIED AT THE RATE OF TWO TONS AT THE RATE OF 2 1/2 TONS PER ACRE.
- 20.2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHA IT SHALL BE APPLIED AT A RATE OF 500 POUNDS PER APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYD
- 20.3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR W TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING 20.4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEE
- PER ACRE. 20.5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A TH PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIEI ORNAMENTALS OR OTHER GROUND COVERS ARE PL SEEDED AREAS
- 20.6. WHEN USING TEMPORARY EROSION CONTROL BLANK REQUIRED.
- 20.7. ON SLOPES GREATER THAN 10 FEET IN LENGTH AND 4 EROSION CONTROL BLANKETS THAT HAVE BEEN PRO ACCORDING TO THE MANUFACTURER'S INSTRUCTION
- 2:1 SLOPES OR STEEPER: STRAW/COCONUT BLANK
- 3:1 SLOPES OR STEEPER: WOOD OR STRAW BLANK • 4:1 SLOPES OR FLATTER: - WOOD OR STRAW MULC

### VIII. HOUSEKEEPING

- 1. PETROLEUM PRODUCTS: INCLUDING OIL, GASOLINE, LUBR
- 1.1. HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETRO
- OR ON MAINTENANCE AND FUELING VEHICLES 1.2. STORE IN COVERED AREAS PROTECTED WITH DIKES
- 2. SPILLS: PREVENTION AND RESPONSE
- 2.1. STORE AND HANDLE MATERIALS TO PREVENT SPILLS
- 2.2. TIGHTLY SEALED CONTAINERS, NEAT AND SECURE ST 2.3. REDUCE STORM WATER CONTACT IF SPILL OCCURS
- 2.3.1. CLEANUP PROCEDURES SHOULD BE CLEARLY POST 2.3.2. CLEANUP MATERIALS SHOULD BE READILY AVAILAB
- 2.3.3. STOP THE SOURCE 2.3.4. CONTAIN THE SPILL
- 3. NON-STORM WATER DISCHARGES
- THE FOLLOWING NON-STORMWATER DISCHARGES MUST POLLUTION OR EROSION:
- 3.1. DISCHARGES FROM FIRE-FIGHTING ACTIVITIES
- 3.2. FIRE HYDRANT FLUSHINGS 3.3. WATERS USED TO WASH VEHICLES WHERE DETERGE
- 3.4. WATER USED TO CONTROL DUST 3.5. POTABLE WATER INCLUDING UNCONTAMINATED WAT
- 3.6. ROUTINE EXTERNAL BUILDING WASH DOWN THAT DOE 3.7. PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS ( HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIA
- DETERGENTS ARE NOT USED 3.8. UNCONTAMINATED AIR CONDITIONING OR COMPRESS
- 3.9. UNCONTAMINATED GROUND WATER OR SPRING WATE 3.10. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARI
- MATERIALS SUCH AS SOLVENTS 3.11. UNCONTAMINATED EXCAVATION DEWATERING
- 3.12. LANDSCAPE IRRIGATION
- 3.13. DECHLORINATED SWIMMING POOL DISCHARGES.
- 4. CONSTRUCTION WASTES: DEMOLITION RUBBLE, PACKAGE SUPPLIES, ETC.
- 4.1. SELECT A DESIGNATED WASTE COLLECTION AREA

13. SCHEDULE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXPOSED AREA AND DURATION OF EXPOSURE. IN SCHEDULING, TAKE INTO ACCOUNT THE SEASON AND THE WEATHER FORECAS	IX. GRASSING NOTES T. 1. SOD:
14. EROSION CONTROL MEASURES ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROV ADDITIONAL CONTROL MEASURES AS DICTATED BY ACTUAL FIELD CONDITIONS AT THE TIME C CONSTRUCTION IN ORDER TO PREVENT EROSION AND CONTROL SEDIMENT. EROSION AND SEDIMENT CONTROL MEASURES WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE ENTIR PROJECT IS TERMINATED OR SUSPENDED FOR AND INDEFINITE LENGTH OF TIME, ALL DISTURE AREAS SHALL BE PLANTED WITH PERMANENT VEGETATION.	<ul> <li>DF UNIFORM THICKENS OF 3/4" WITHIN A TOLERANCE OF 1/4", EXCLUDING TOP GROWTH AND THATCH</li> <li>EACH INDIVIDUAL SOD PIECE SHALL BE STRONG ENOUGH TO SUPPORT ITS OWN WEIGHT WHEN</li> <li>LIFTED BY THE ENDS. BROKEN PODS. IRREGULARLY SHAPED PIECES. AND TORN OR UNEVEN END</li> </ul>
15. THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY W INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, IS BASI UPON FIELD INVESTIGATIONS AND IS BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME IS SHOWN AS INFORMATION ONLY, IS NOT GUARANTEED AND DOES NOT THOMAS & HUTTON, OR THE OWNER IN ANY WAY.	AY ED 2. SODDING SCHEDULE:
16. CONTRACTOR SHALL MAINTAIN SITE ON A DAILY BASIS TO PROVIDE FOR POSITIVE DRAINAGE. CONTRACTOR, AT HIS COST, SHALL GRADE SITE AND PROVIDE NECESSARY TEMPORARY DRAI SWALES TO INSURE STORM WATER DOES NOT POND ON SITE.	ALL SEED SHALL CONFORM TO ALL STATE LAWS AND TO ALL REQUIREMENTS AND REGULATIONS
17. SITE DRAINAGE SHALL BE ESTABLISHED TO PREVENT ANY PONDED WATER CONDITIONS WITH THE CONSTRUCTION AREA AND TO FACILITATE STORM WATER DISCHARGE.	OF THE SOUTH CAROLINA DEPARTMENT OF AGRICULTURE. THE SEVERAL VARIETIES OF SEED SHALL BE INDIVIDUALLY PACKAGED OR BAGGED, AND TAGGED TO SHOW NAME OF SEED, NET WEIGHT, ORIGIN, GERMINATION, LOT NUMBER, AND OTHER INFORMATION REQUIRED BY THE DEPARTMENT OF AGRICULTURE.
18. 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 LAND DISTURBING ACTIVITIES.	
<ol> <li>LIME RATES AND ANALYSIS:</li> <li>AGRICULTURAL LIME SHALL BE APPLIED AT THE RATE SHOWN IN THE SEEDING SECTION UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME APPLICATION SHALL BE WITHIN SPECIFICATIONS OF THE SOUTH CAROLINA DEPARTMENT OF AGRICULTURE.</li> </ol>	<ul> <li>3.3. DOMESTIC ITALIAN RYE: TESTING 98 PERCENT PURITY AND 90 PERCENT GERMINATION.</li> <li>IF 4. MISCELLANEOUS:</li> <li>THE 4.1. PERMANENT SEEDING SHALL COVER ALL DISTURBED AREA NOT TO BE COVERED BY</li> </ul>
20. MULCHING:	LANDSCAPE PLANTING BEDS, STRUCTURE, OR PAVEMENT. 4.2. SEED ALL DISTURBED AREAS WITHIN SEVEN DAYS OF FINAL GRADING AND TEMPORARY SEED/MULCH ALL AREAS THAT WILL BE LEFT INACTIVE FOR MORE THAN FOURTEEN (14) DAYS 4.3. ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED
MULCHING IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED T SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM TH FOLLOWING AND APPLY AS INDICATED: 20.1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DF	4.4. CENTIPEDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THRU OCTOBER 4.5. IF GRASSING OCCURS DURING A MONTH REQUIRING TEMPORARY COVER, THE CONTRACTOR SHALL APPLY PERMANENT COVER (IN ADDITION TO THE TEMPORARY COVER) AT THE APPROPRIA
20.1. DRT STRAW OR DRT HAT OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DF STRAW SHALL BE APPLIED AT THE RATE OF TWO TONS PER ACRE. DRY HAY SHALL BE APF AT THE RATE OF 2 1/2 TONS PER ACRE. 20.2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEED	PLIED GRASS WITH AT LEAST 95% COVER. BARE SPOTS CAN NOT BE MORE THAN 1 INCH SQUARE IN AN 10 SF.
<ol> <li>20.2. WOOD CELLULOSE MOLCH OR WOOD POLP FIBER SHALL BE USED WITH HTDRAULIC SEED IT SHALL BE APPLIED AT A RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHA APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.</li> <li>20.3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER.</li> <li>20.4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF 3 PER ACRE.</li> </ol>	A NEWLY SEEDED OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL ESTABLISHED.
20.5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDIN PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FO	
<ul> <li>SEEDED AREAS.</li> <li>20.6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLACK SOD, MULCH IS NOT REQUIRED.</li> <li>20.7. ON SLOPES GREATER THAN 10 FEET IN LENGTH AND 4:1 OR STEEPER, USE THE FOLLOWIN EROSION CONTROL BLANKETS THAT HAVE BEEN PROPERLY ANCHORED TO THE SLOPE</li> </ul>	FOR SEEDED AREAS, PERMANENT STABILIZATION MEANS A 90% COVER OF THE DISTURBED AREA WITH MATURE, HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE IG TOPSOIL.
<ul> <li>• 2:1 SLOPES OR STEEPER: - STRAW/COCONUT BLANKET OR HIGH VELOCITY WOOD BLANKET</li> </ul>	4.2.       SODDED AREAS         KET       FOR SODDED AREAS, PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE SO
<ul> <li>3:1 SLOPES OR STEEPER: - WOOD OR STRAW BLANKET WITH NET ON BOTH SIDES</li> <li>4:1 SLOPES OR FLATTER: - WOOD OR STRAW MULCH BLANKET WITH NET ON ONE SIDE</li> </ul>	<ul><li>ROOTS INTO THE APPROVED MULCH MATERIAL.</li><li>4.3. PERMANENT MULCH</li></ul>
VIII. HOUSEKEEPING	FOR MULCHED AREAS, PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH MATERIAL.
1. PETROLEUM PRODUCTS: INCLUDING OIL, GASOLINE, LUBRICANTS AND ASPHALTIC SUBSTANCE	ES. 4.4. RIPRAP
<ol> <li>1.1. HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETROLEUM SPILLS IN FUEL STORAGE ARE OR ON MAINTENANCE AND FUELING VEHICLES</li> <li>1.2. STORE IN COVERED AREAS PROTECTED WITH DIKES</li> </ol>	AS FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF AN APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND THE RIPRAP.
2. SPILLS: PREVENTION AND RESPONSE.	4.5. DITCHES, CHANNELS, AND SWALES
<ul> <li>2.1. STORE AND HANDLE MATERIALS TO PREVENT SPILLS</li> <li>2.2. TIGHTLY SEALED CONTAINERS, NEAT AND SECURE STACKING, ETC.</li> <li>2.3. REDUCE STORM WATER CONTACT IF SPILL OCCURS</li> <li>2.3.1. CLEANUP PROCEDURES SHOULD BE CLEARLY POSTED.</li> <li>2.3.2. CLEANUP MATERIALS SHOULD BE READILY AVAILABLE</li> <li>2.3.3. STOP THE SOURCE</li> <li>2.3.4. CONTAIN THE SPILL</li> </ul>	FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH MATURE VEGETATION AT LEAST THREE INCHES IN HEIGHT, WITH WELL-GRADED RIPRAP LININ OR WITH ANOTHER NON-EROSIVE LINING CAPABLE OF WITHSTANDING THE ANTICIPATED FLC VELOCITIES AND FLOW DEPTHS WITHOUT RELIANCE ON CHECK DAMS TO SLOW FLOW. THER MUST BE NO EVIDENCE OF SLUMPING OF THE LINING, UNDERCUTTING OF THE BANKS, OR DOWN CUTTING OF THE CHANNEL.
3. NON-STORM WATER DISCHARGES	XI. FERTILIZER REQUIREMENTS
THE FOLLOWING NON-STORMWATER DISCHARGES MUST BE PROTECTED FROM CAUSING POLLUTION OR EROSION:	<ol> <li>TEMPORARY SEEDING FERTILIZER</li> <li>APPLY A MINIMUM OF 500 LBS PER ACRE OF A COMPLETE 10-10-10 FERTILIZER (11.5 POUNDS PER</li> </ol>
<ol> <li>DISCHARGES FROM FIRE-FIGHTING ACTIVITIES</li> <li>FIRE HYDRANT FLUSHINGS</li> <li>WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED</li> <li>WATER USED TO CONTROL DUST</li> <li>POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS</li> <li>ROUTINE EXTERNAL BUILDING WASH DOWN THAT DOES NOT USE DETERGENTS</li> <li>PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIAL HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIAL HAS BEEN REMOVED) AND WHERE DETERGENTS ARE NOT USED</li> <li>UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE</li> <li>UNCONTAMINATED GROUND WATER OR SPRING WATER</li> <li>FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCE MATERIALS SUCH AS SOLVENTS</li> <li>UNCONTAMINATED EXCAVATION DEWATERING</li> </ol>	<ul> <li>1000 SQUARE FEET) OR EQUIVALENT DURING TEMPORARY SEEDING OF GRASSES UNLESS A SOIL TEST INDICATES A DIFFERENT REQUIREMENT. INCORPORATE FERTILIZER AND LIME (IF USED) INT THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW. LIM IS NOT REQUIRED FOR TEMPORARY SEEDING UNLESS A SOIL TEST SHOWS THAT THE SOIL PH IS BELOW 5.0. IT IS DESIRABLE TO APPLY LIME DURING THE TEMPORARY SEEDING OPERATION TO BENEFIT THE LONG-TERM PERMANENT SEEDING. APPLY A MINIMUM OF 1.5 TONS OF LIME / ACRE (70LBS. / 1000 SQ. FT.).</li> <li>S</li> <li>2. PERMANENT SEEDING FERTILIZER</li> <li>APPLY A MINIMUM OF 1000 LBS PER ACRE OF A COMPLETE 10-10-10 FERTILIZER (23 POUNDS PER 1000 SQUARE FEET) OR EQUIVALENT DURING PERMANENT SEEDING OF GRADES UNLESS A SOIL TEST INDICATES A DIFFERENT REQUIREMENT. INCORPORATE FERTILIZER AND LIME (IF USED) INT</li> </ul>
<ul><li>3.12. LANDSCAPE IRRIGATION</li><li>3.13. DECHLORINATED SWIMMING POOL DISCHARGES.</li></ul>	AGRICULTURAL LIMESTONE PER ACRE (70 LBS. / 1000 SQ.FT.).
<ol> <li>CONSTRUCTION WASTES: DEMOLITION RUBBLE, PACKAGING MATERIALS, SCRAP BUILDING SUPPLIES, ETC.</li> </ol>	XII. SWPP PREPARER CERTIFICATION
<ul> <li>4.1. SELECT A DESIGNATED WASTE COLLECTION AREA</li> <li>4.2. PROVIDE LIDS FOR WASTE CONTAINERS</li> <li>4.3. WHEN POSSIBLE LOCATE CONTAINERS IN COVERED AREA</li> <li>4.4. MAINTAIN CONSISTENT REMOVAL SCHEDULE FOR WASTE</li> </ul>	I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEC
5. PESTICIDES: REDUCE THE AMOUNT OF PESTICIDES AVAILABLE FOR CONTACT WITH STORM WA	(IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000. ATER.
<ul><li>5.1. STORE IN A DRY COVERED AREA</li><li>5.2. INSTALL CURBS OR DIKES AROUND STORAGE AREA TO PROTECT AGAINST SPILLS</li><li>5.3. STRICTLY FOLLOW RECOMMENDED APPLICATION RATES</li></ul>	
6. FERTILIZERS AND DETERGENTS: REDUCE THE AMOUNT OF FERTILIZERS AND DETERGENTS AVAILABLE FOR CONTACT WITH STORM WATER.	
<ul> <li>6.1. LIMIT APPLICATION OF FERTILIZERS TO THE MINIMUM NEEDED</li> <li>6.2. APPLY MORE FREQUENTLY BUT AT LOWER APPLICATION RATES</li> <li>6.3. LIMIT USE OF DETERGENTS ON-SITE</li> <li>6.4. DO NOT DISCHARGE WASH WATER INTO STORM WATER SYSTEM</li> <li>6.5. MAINTAIN STRUCTURAL AND VEGETATIVE BMP'S</li> <li>6.6. APPLY ACCORDING TO SOIL TEST RECOMMENDATIONS PRIOR TO SEEDING.</li> </ul>	



SPECIES	LABS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC
					SANDY, D	ROUGHT	Y SITES	·	•	·	·	·	•
<b>BROWNTOP MILLET</b>	40												
RYE, GRAIN	56												
RYEGRASS	50												
				WELL	DRAINED,	CLAYEY/I	OAMEY S	ITES	•	·	·	·	
BROWNTOP MILLET	40												
JAPANESE MILLET	40												
RYE, GRAIN	56												
OATS	75												
RYEGRASS	50												

SPECIES	LABS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
		•	·	·	SANDY, D	ROUGHT	<b>Y SITES</b>		·			•	
BROWNTOP MILLET	10												
BAHIAGRASS	40												
BROWNTOP MILLET	10												
BAHIAGRASS	30												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
ATLANTIC COASTAL	15							I					
PANICGRASS	PLS												
BROWNTOP MILLET	10												
SWITCHGRASS	8												
(ALAMO)	PLS							I					
LITTLE BLUESTEM	4												
SERICEA LESPEDEZA	20												
BROWNTOP MILLET	10												
WEEPING LOVEGRASS	8												
	1	1		WELL	DRAINED,	CLAYEY/L	OAMEY SI	TES		I			
BROWNTOP MILLET	10												
BAHIAGRASS	40												
RYE, GRAIN	10												
BAHIAGRASS	40												
CLOVER, CRIMSON (ANNUAL)	5												
BROWNTOP MILLET	10												
BAHIAGRASS	30												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
<b>BERMUDA, COMMON</b>	10												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
BERMUDA, COMMON	12												
KOBE LESPEDEZA (ANNUAL)	10												
BROWNTOP MILLET	10												
BAHIAGRASS	20												
BERMUDA, COMMON	6												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
SWITCHGRASS	8												
LITTLE BLUESTEM	PLS												
INDIANGRASS	3												

# EROSION CONTROL LEGEND

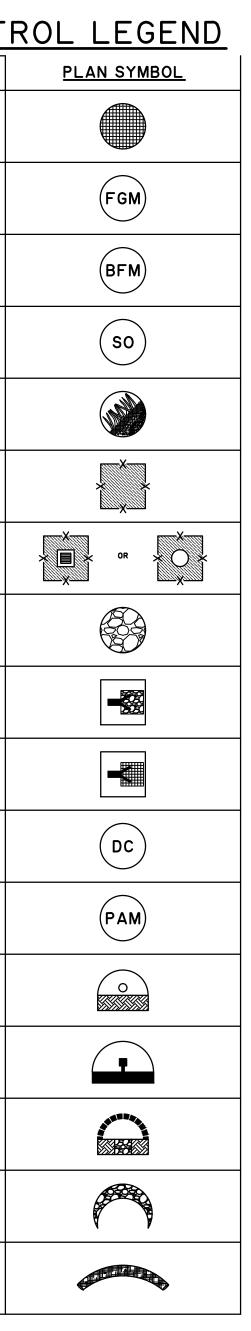
DESCRIPTION	PLAN SYMBOL
SILT FENCE	
CLEARING LIMITS	CL CL
DIVERSION DIKE	
DIVERSION BERM	→ DB →
TEMPORARY DIVERSION	⇒TD⇒
PERMANENT DIVERSION	<u>→</u> PD →
SUBSURFACE DRAIN	(==ssd(==
VEGETATED CHANNEL	<sup>_</sup> auna anus <sup>±</sup> .u.
RIP RAP LINED CHANNEL	
ECB OR TRM LINED CHANNEL	
PAVED CHANNEL	PC 📖
TREE PROTECTION	
SURFACE ROUGHENING	OR LG
TOP SOILING	
TEMPORARY SEEDING	TS
PERMANENT SEEDING	PS
MULCHING	M

# EROSION CONTROL LEGEND

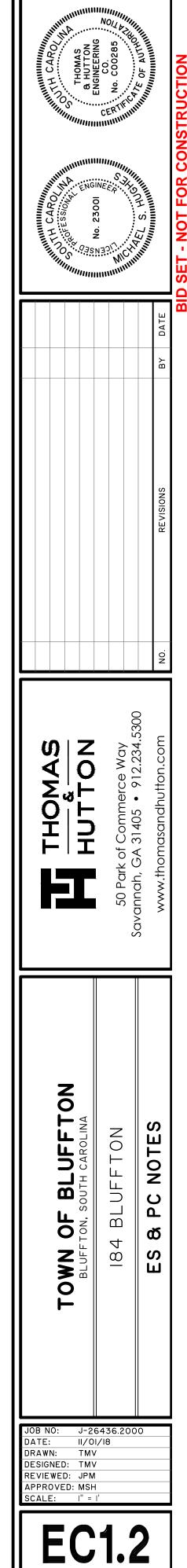
DESCRIPTION
EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT
FLEXIBLE GROWTH MATRIX
BONDED FIBER MATRIX
SODDING
SLOPED SODDING
STAKED SOD
STAKED SOD AROUND INLET
RIPRAP
OUTLET PROTECTION - RIP RAP
OUTLET PROTECTION - ECB OR TRM
DUST CONTROL
POLYACRYLAMIDE (PAM)
SEDIMENT BASIN
SEDIMENT BASIN WITH SKIMMER
SEDIMENT TRAP
ROCK SEDIMENT DIKE
SEDIMENT TUBE

### LIST OF ACRONYMS FOR SEDIMENT AND EROSION CONTROL

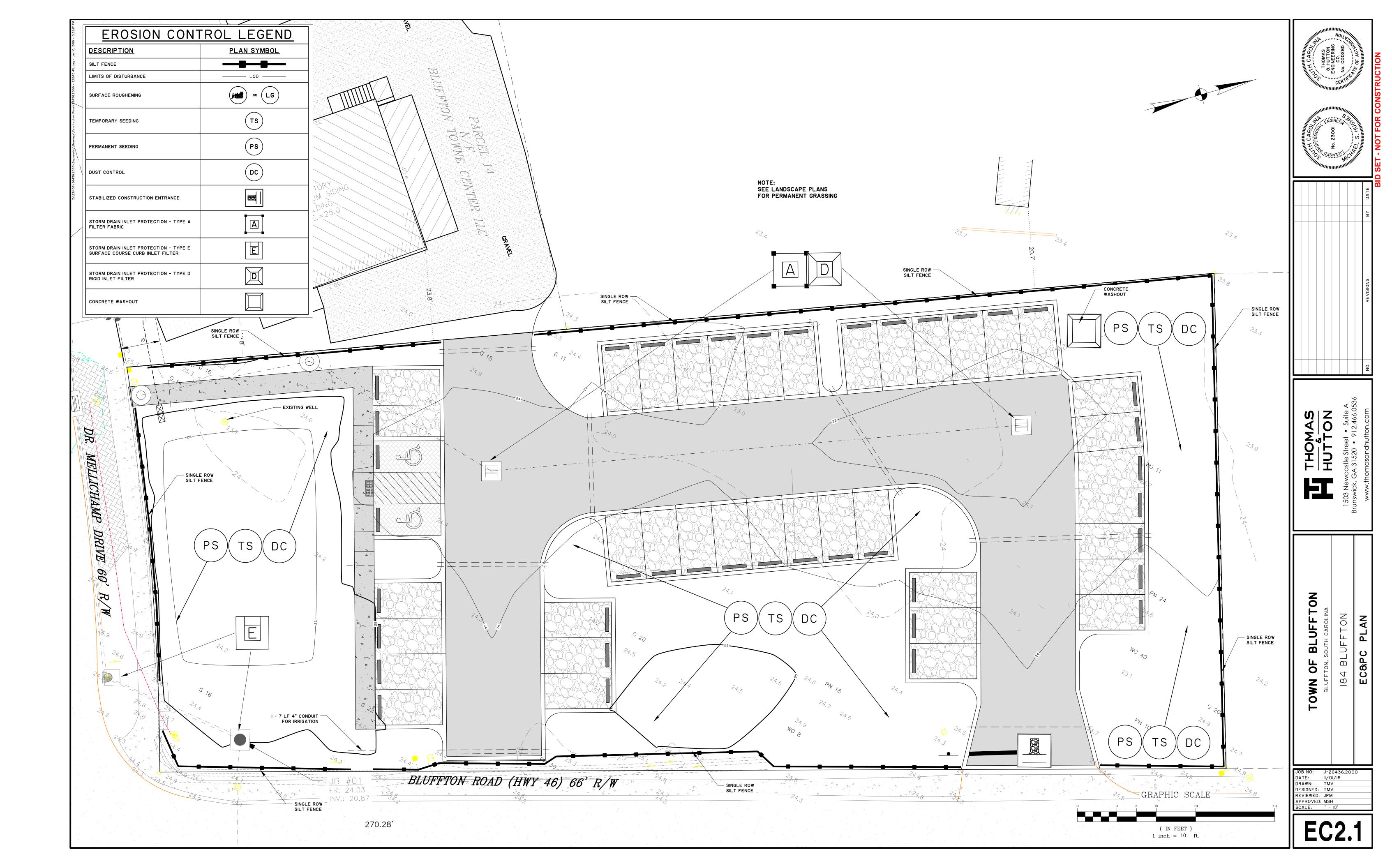
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	CONSTRUCT			
AMD	ACRYLAMIDE POLYMER				
BFM	BONDED FIBER MATRIX	<u>CONSTRUCTION ACTIVITY</u>	SCHEDULE CONSIDERATION		
BMP(S)	BEST MANAGEMENT PRACTICE(S)	1 OBTAIN COPIES OF ALL PLAN APPROVALS AND OTHER APPLICABLE PERMITS.	CONTRACTOR TO HAVE ONSITE AT ALL TIMES DURING CONSTRUCTION.		
CFS	CUBIC FEET PER SECOND	2 FLAG THE WORK LIMITS AND BARRICADE TREES AND	HAVE LOCAL REGULATORY AGENCY INSPECT TREE		
СМР	CORRUGATED METAL PIPE	MARK BUFFER AREAS FOR PROTECTION.	BARRICADES.		
DHEC	DEPARTMENT OF HEATH AND ENVIRONMENTAL CONTROL	3 HOLD PRE CONSTRUCTION CONFERENCE AT LEAST	REVIEW TREE PROTECTION (BARRICADE) WITH OWNER AND		
ЕСВ	EROSION CONTROL BLANKET	ONE WEEK PRIOR TO STARTING CONSTRUCTION.	LOCAL REGULATORY AGENCY. TAKE PICTURES OF ALL PROTECTED TREES AND LOCATIONS WHERE SITE WORK TIES		
EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY		INTO EXISTING TO DOCUMENT PREDEVELOPMENT PROCEDURES.		
EPSC	EROSION PREVENTION AND SEDIMENTATION CONTROL	4 INSTALL CONSTRUCTION ACCESS AND LAY DOWN	STABILIZE BARE AREAS IMMEDIATELY AND INSTALL		
-DA	UNITED STATES FOOD AND DRUG ADMINISTRATION	AREAS	CONSTRUCTION EXITS / ENTRANCES.		
-GM	FLEXIBLE GROWTH MATRIX	5 CONSTRUCT SEDIMENT FENCES	INSTALL SEDIMENT FENCES AFTER CONSTRUCTION SITE IS ACCESSED.		
HDPE	HIGH DENSITY POLYETHYLENE	6 LAND CLEARING AND GRADING-SITE PREPARATION	BEGIN MAJOR CLEARING AND GRADING AFTER PRINCIPAL		
NS4	MUNICIPAL SEPARATE STORM SEWER SYSTEM	CUTTING, FILLING AND GRADING, SEDIMENTATION	SEDIMENT AND KEY RUNOFF-CONTROL MEASURES ARE		
MSDS	MATERIAL SAFETY DATA SHEETS	TRAPS, BARRIERS, DIVERSIONS, DRAINS, SURFACE ROUGHENING.	INSTALLED. CLEAR BORROW AND DISPOSAL AREAS ONLY AS NEEDED. INSTALL ADDITIONAL CONTROL MEASURES AS		
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM		GRADING PROGRESSES. MARK TREES AND BUFFER AREAS FOR PRESERVATION.		
РАМ	POLYACRYLAMIDE OR POLYMER	7 STORM DRAINAGE SYSTEMS	APPLY TEMPORARY OR PERMANENT STABILIZATION		
RCP	REINFORCED CONCRETE PIPE		MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.		
scs	SOIL CONSERVATION SERVICE	8 SURFACE STABILIZATION-TEMPORABY AND	APPLY TEMPORARY OR PERMANENT STABILIZATION		
SWPPP	STORMWATER POLLUTION PREVENTION PROGRAM	PERMANENT SEEDING, MULCHING	MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.		
TRM	TURF REINFORCEMENT MAT		WORK IS DELATED OR COMPLETE.		
VFS	VEGETATED FILTER STRIP				

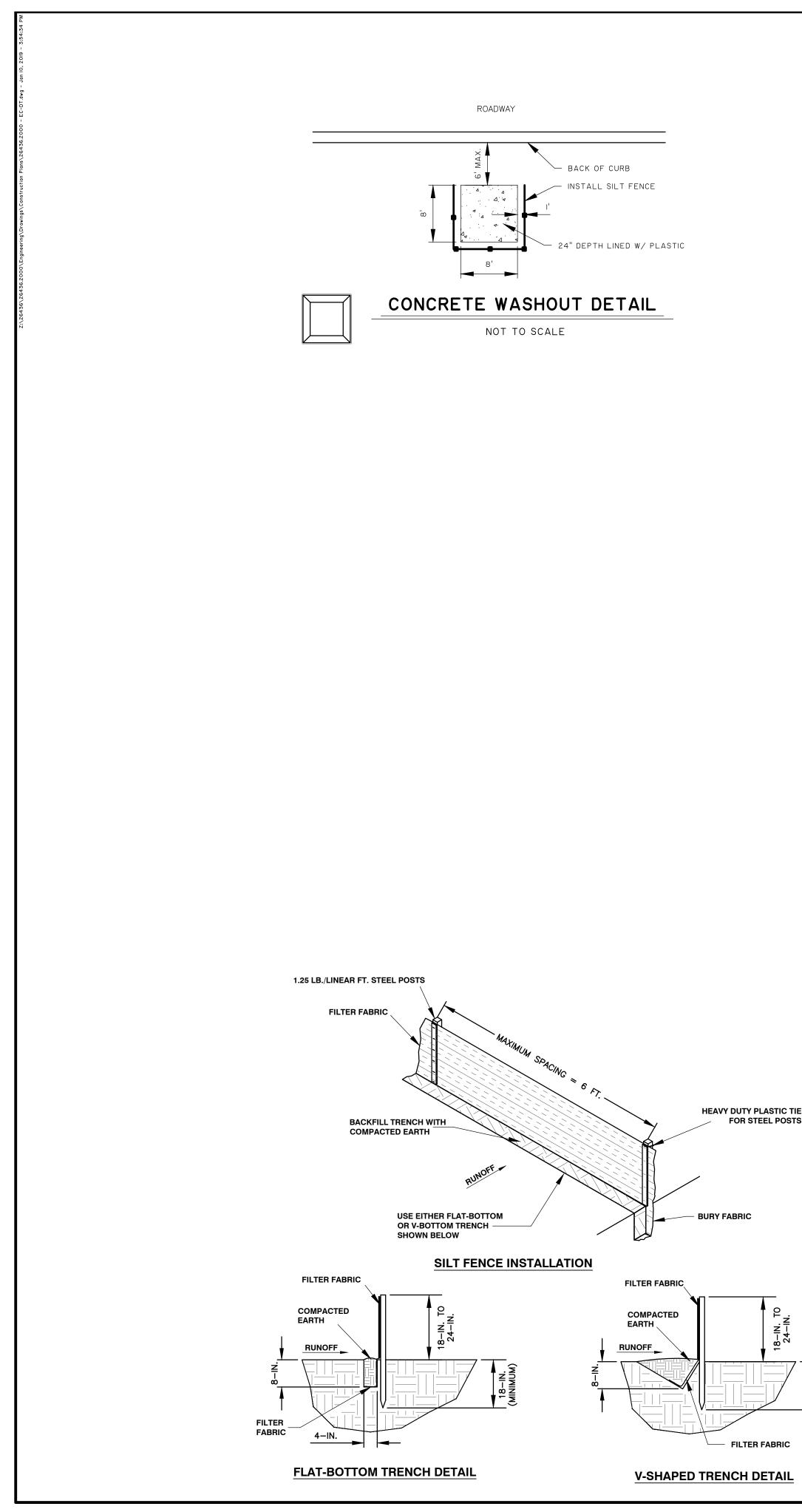


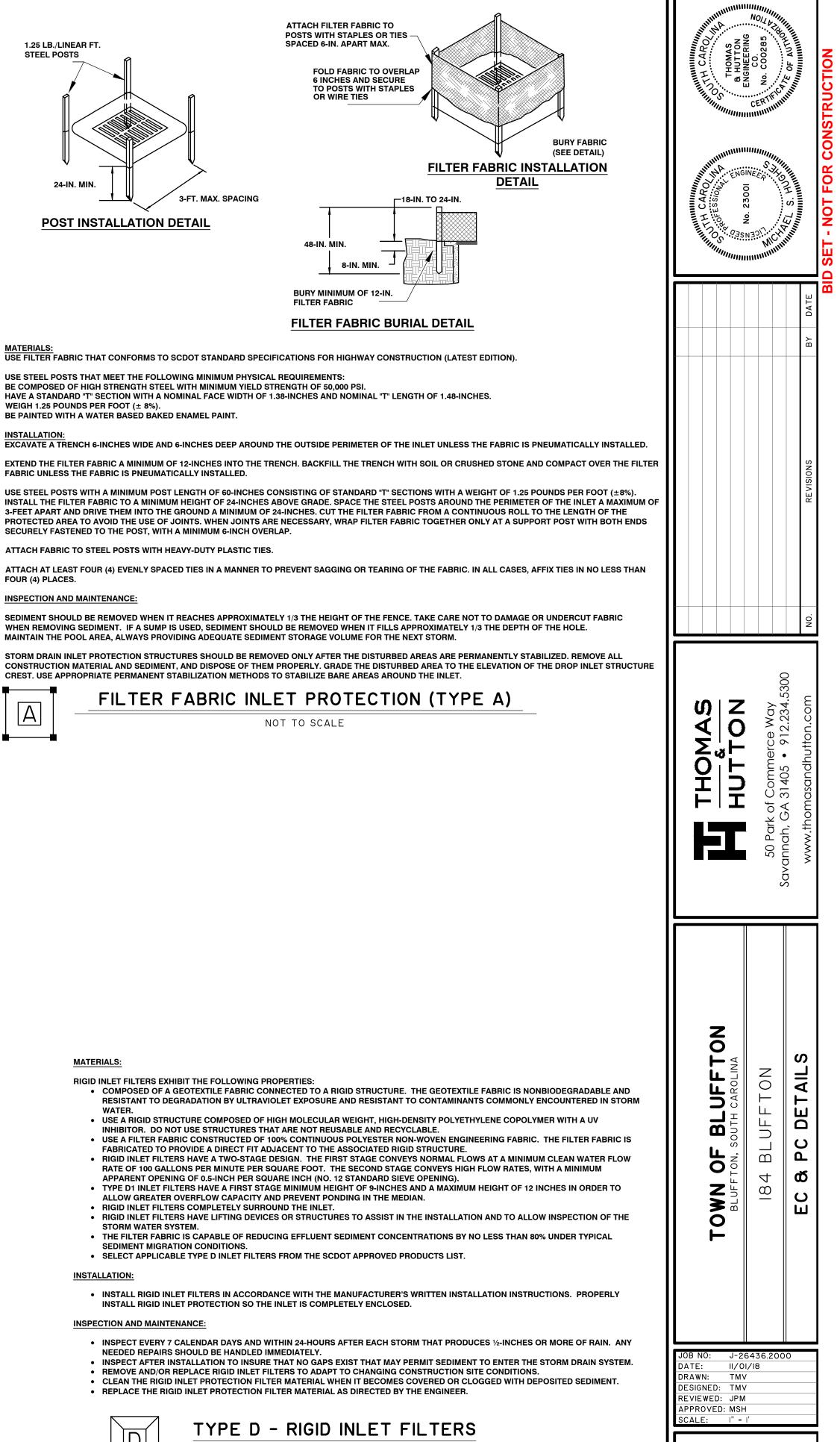
EROSION CONT	ROL LEGEND
DESCRIPTION	PLAN SYMBOL
ROCK CHECK DAM	OR OR
POROUS BAFFLES	
STABILIZED CONSTRUCTION ENTRANCE	
CONCRETE WASHOUT	
STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC	
STORM DRAIN INLET PROTECTION - TYPE A SEDIMENT TUBE	A
STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	B
STORM DRAIN INLET PROTECTION - TYPE C BLOCK AND GRAVEL	
STORM DRAIN INLET PROTECTION - TYPE D RIGID INLET FILTER	
STORM DRAIN INLET PROTECTION - TYPE E SURFACE COURSE CURB INLET FILTER	E
STORM DRAIN INLET PROTECTION - TYPE F INLET TUBE	F
STORM DRAIN INLET PROTECTION - TYPE G IMPERVIOUS AREA	G
PIPE SLOPE DRAINS	
TEMPORARY STREAM CROSSING	
LEVEL SPREADER	
FLOATING SURFACE SKIMMER	Sk

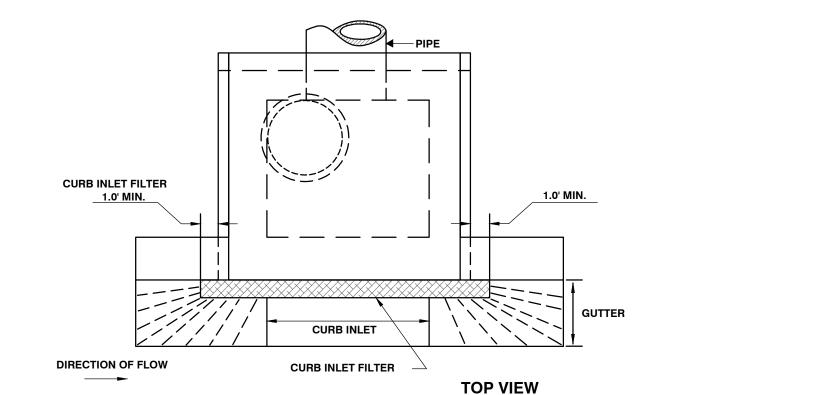


9	BUILDING PAD CONSTRUCTION	INSTALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES AS WORK TAKES PLACE.
10	SURFACE STABILIZATION-TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIP RAP.	APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.
11	FINAL STABILIZATION - TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING, RIP RAP.	LAST CONSTRUCTION PHASESTABILIZE ALL OPEN AREAS, INCLUDING BORROW AND SPOIL AREAS. REMOVE AND STABILIZE ALL TEMPORARY CONTROL MEASURES.
12	SUBMIT NOT AND AS-BUILTS OF THE PONDS	









GENERAL NOTES:

WHILE TRAPPING SEDIMENT AND DEBRIS.

USE ONLY SURFACE CURB INLET FILTERS THAT HAVE A MINIMUM HEIGHT OR DIAMETER OF 9-INCHES AND HAVE A MINIMUM LENGTH THAT IS 2-FEET LONGER THAN THE LENGTH OF THE CURB OPENING.

SURFACE COURSE INLET FILTERS THAT ARE DESIGNED TO COMPLETELY BLOCK THE INLET OPENING ARE PROHIBITED. ACCEPTABLE INLET FILTERS SHOULD ALLOW FOR OVERFLOWS TO ENTER THE CATCH BASIN. SURFACE COURSE INLET FILTERS SHOULD BE CONSTRUCTED WITH A SYNTHETIC MATERIAL THAT WILL ALLOW STORMWATER TO FREELY FLOW THROUGH

STRAW, STRAW FIBER, STRAW BALES, PINE NEEDLES AND LEAF MULCH ARE NOT PERMISSIBLE FOR FILTER MATERIALS.

EACH FILTER SHOULD HAVE AGGREGATE COMPARTMENTS FOR STONE, SAND, AND OTHER WEIGHTED MATERIALS OR MECHANISMS TO HOLD THE UNIT IN PLACE. FILL AGGREGATE COMPARTMENTS TO A LEVEL (AT LEAST 1/2 FULL) TO HOLD THE FILTER IN PLACE AND CREATE A SEAL BETWEEN THE FILTER AND THE ROAD SURFACE

USE ONLY TYPE E INLET FILTERS APPEARING ON SC DOT'S QUALIFIED PRODUCTS LIST (QLP), APPROVAL SHEET #58, OR FILTERS MEETING THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. INSPECTION AND MAINTENANCE:

THE KEY TO FUNCTIONAL INLET PROTECTION IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

REGULAR INSPECTIONS OF ALL INLET PROTECTION SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2-INCH OR MORE OF PRECIPITATION.

ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE INLET PROTECTION IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.

REMOVE ACCUMULATED SEDIMENT WHEN SILT AND/OR DEBRIS HAS BUILT UP AROUND THE FILTER PREVENTING STORMWATER TO FLOW THROUGH THE FILTER.

REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDMIENT AFTER IT IS RELOCATED.

INLET PROTECTION STRUCTURES SHOULD BE REMOVED AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. STABILIZE ALL BARE AREAS IMMEDIATELY.



## SURFACE COURSE CURB INLET FILTERS (TYPE E)

NOT TO SCALE



WHERE THE MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE FENCE IS 100-FEET. WHERE THE MAXIMUM SLOPE STEEPNESS (NORMAL IPERPENDICULAR) TO FENCE LINE) IS 2H:1V THAT DO NOT RECEIVE CONCENTRATED FLOWS GREATER THAN 0.5 CFS.

DO NOT PLACE SILT FENCE ACROSS CHANNELS OR USE IT AS A VELOCITY CONTROL BMP.

MATERIALS:

STEEL POSTS USE 48-INCH LONG STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS:

COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI.

HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.

WEIGH 1.25 POUNDS PER FOOT (± 8%). HAVE A SOIL STABILIZATION PLATE WITH A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES ATTACHED TO THE STEEL POSTS. PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.

USE STEEL POSTS WITH A MINIMUM LENGTH OF 4-FEET, WEIGHING 1.25 POUNDS PER LINEAR FOOT (± 8%) WITH PROJECTIONS TO AID IN FASTENING THE FABRIC. EXCEPT WHEN HEAVY CLAY SOILS ARE PRESENT ON SITE, STEEL POSTS WILL HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM SUCH THAT WHEN THE POST IS DRIVEN TO THE PROPER DEPTH, THE PLATE WILL BE BELOW THE GROUND LEVEL FOR ADDED STABILITY.

THE SOIL PLATES SHOULD HAVE THE FOLLOWING CHARACTERISTICS: BE COMPOSED OF MINIMUM 15 GAUGE STEEL.

HAVE A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES.

**GEOTEXTILE FILTER FABRIC:** FILTER FABRIC IS:

COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS COMPOSED OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS,

POLYESTERS, OR POLYAMIDES. FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER. FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION.

USE ONLY FABRIC APPEARING ON SCDOT APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

EXCAVATE A TRENCH APPROXIMATELY 6-INCHES WIDE AND 6-INCHES DEEP WHEN PLACING FABRIC BY HAND. PLACE 12-INCHES OF GEOTEXTILE

FABRIC INTO THE 6-INCH DEEP TRENCH, EXTENDING THE REMAINING 6-INCHES TOWARDS THE UPSLOPE SIDE OF THE TRENCH. BACKFILL THE

A SLICING METHOD. PURCHASE FABRIC IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE INSTALL POSTS TO A MINIMUM DEPTH OF 24-INCHES. INSTALL POSTS A MINIMUM OF 1- TO 2- INCHES ABOVE THE FABRIC, WITH NO MORE THAN

3-FEET OF THE POST ABOVE THE GROUND. SPACE POSTS TO MAXIMUM 6-FEET CENTERS. ATTACH FABRIC TO WOOD POSTS USING STAPLES MADE

TO SECURELY FASTEN IT TO THE UPSLOPE SIDE OF WOODEN POSTS. ATTACH FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED AND PLACED IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN CALL CASES, TIES SHOULD BE AFFIXED IN NO LESS THAN 4 PLACES. INSTALL THE FABRIC A MINIMUM OF 24-INCHES ABOVE THE GROUND. WHEN NECESSARY, THE HEIGHT OF

WILL BE TWICE THE EXPOSED POST HEIGHT. POST SPACING WILL REMAIN THE SAME AND EXTRA HEIGHT FABRIC WILL BE 4-, 5-, OR 6-FEET TALL.

CLEANOUT.

SILT FENCE

NOT TO SCALE



INSPECTION AND MAINTENANCE: CHECK FOR SEDIMENT BUILDUP AND FENCE INTEGRITY. CHECK WHERE RUNOFF HAS ERODED A CHANNEL BENEATH THE

FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED BY FENCE OVERTOPPING. IF THE FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE SECTION OF FENCE IMMEDIATELY. REMOVE SEDIMENT ACCUMULATED ALONG THE FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED. REMOVE TRAPPED SEDIMENT FROM THE SITE OR STABILIZE IT ON SITE. REMOVE SILT FENCE WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR

AFTER TEMPORARY BEST MANAGEMENT PRACTICES (BMPS) ARE NO LONGER NEEDED. PERMANENTLY STABILIZE DISTURBED AREAS RESULTING FROM FENCE REMOVAL.

FREE OF DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES. CUT TO A MINIMUM WIDTH OF 36 INCHES.

FOR STEEL POSTS

**FILTER FABRIC** 

NOT TO SCALE



WHEN AND WHERE TO USE IT:

INSTALLATION:

SITE CONSTRAINTS.







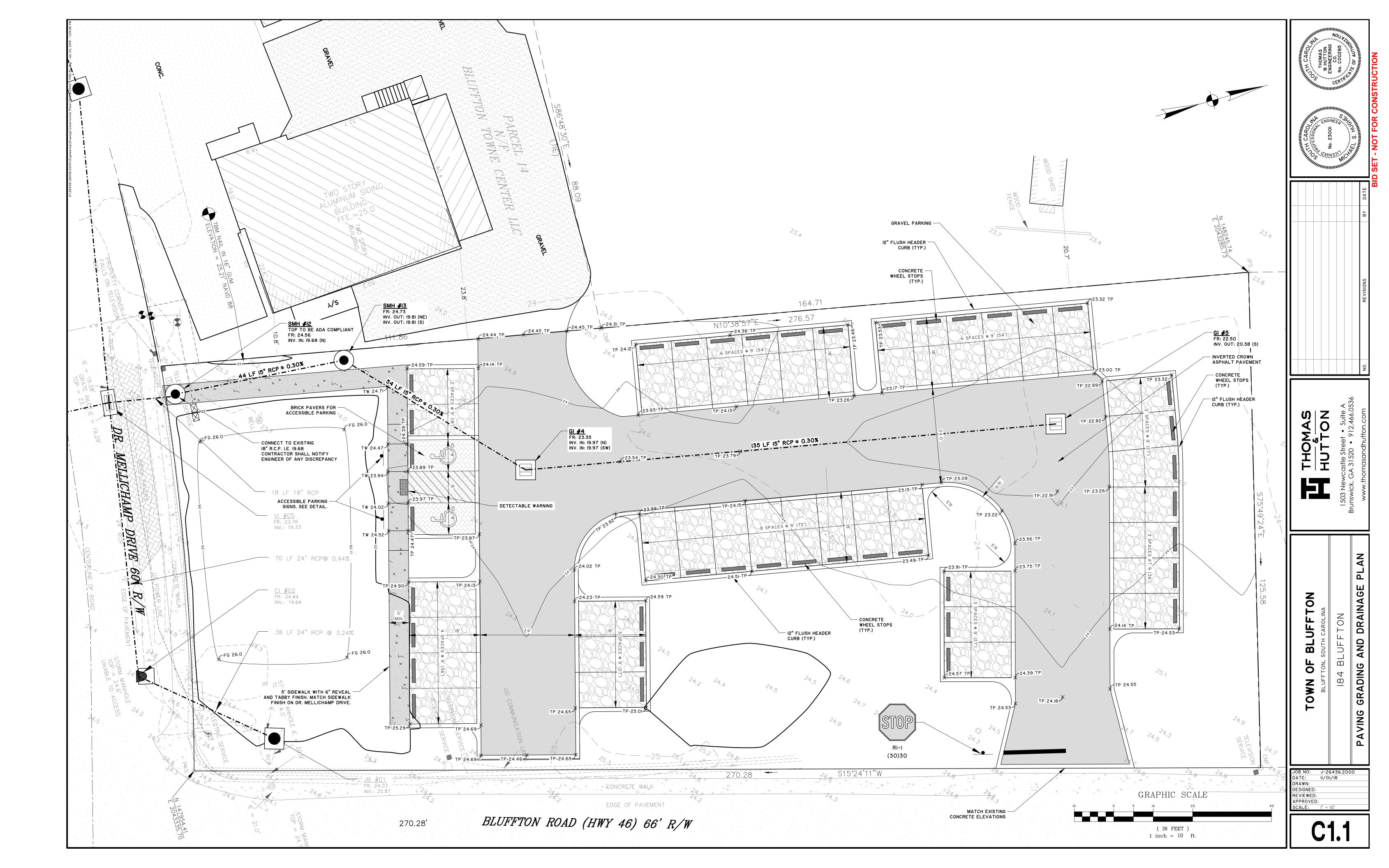


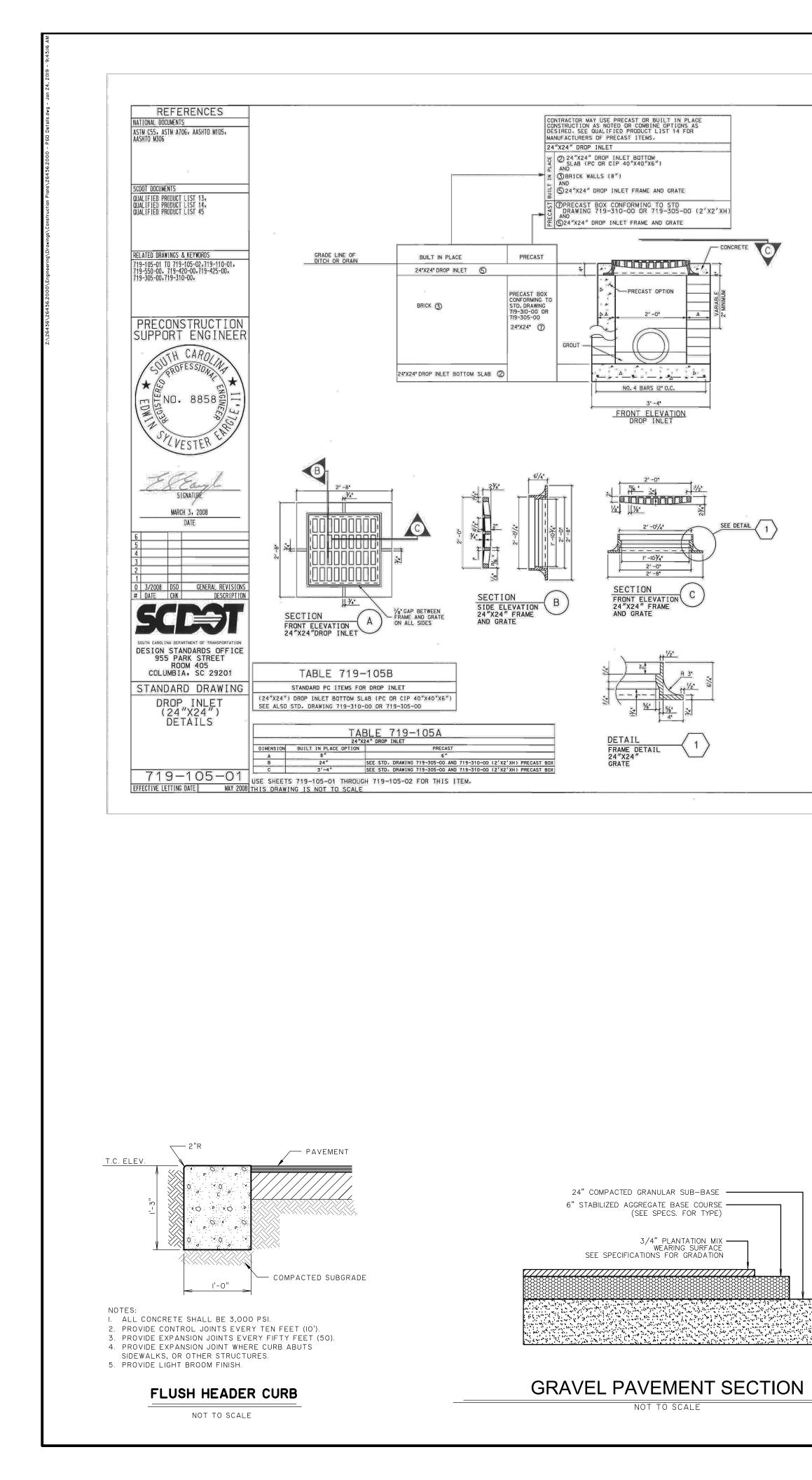
- soil surfaces.

- tions.

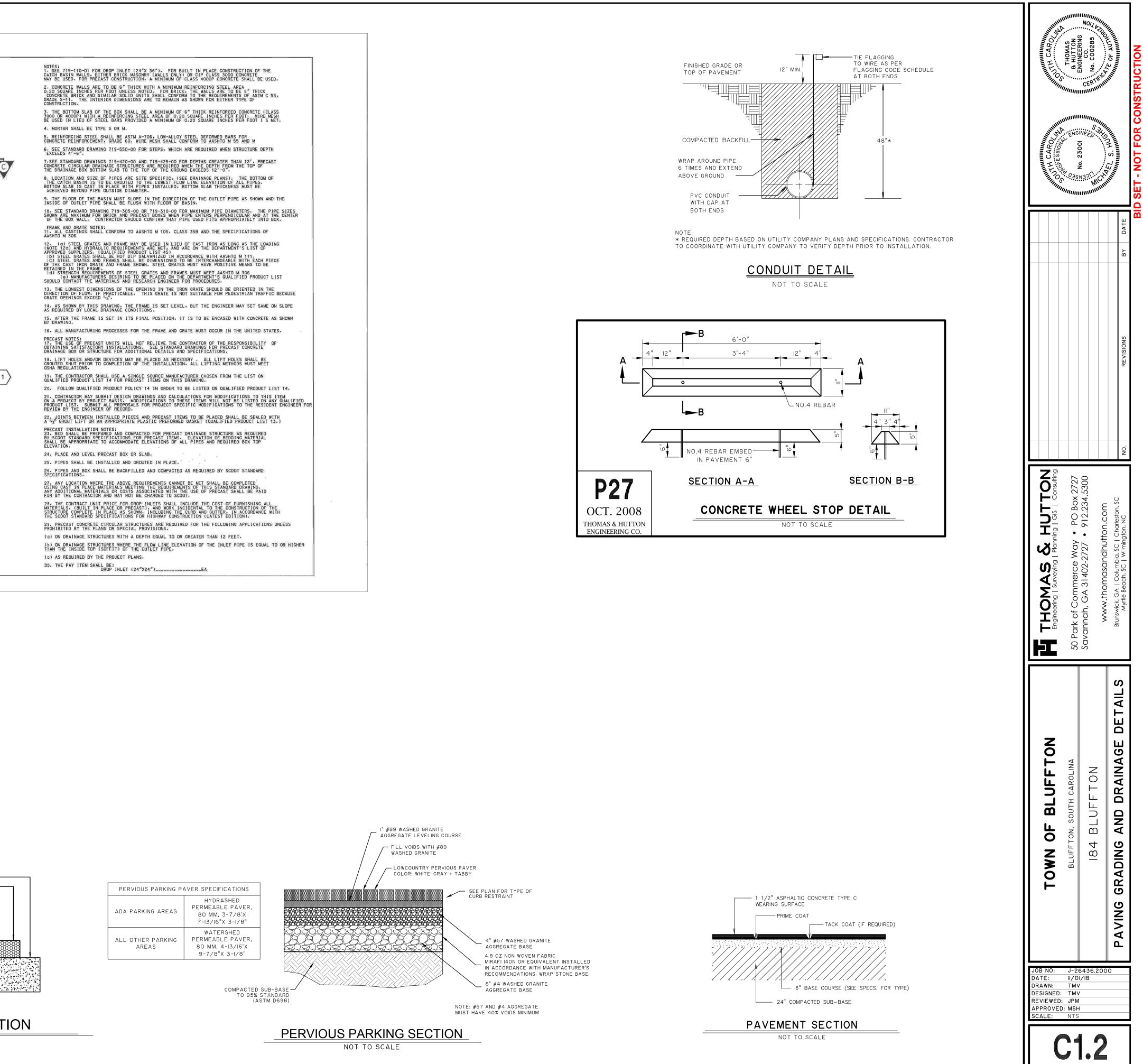


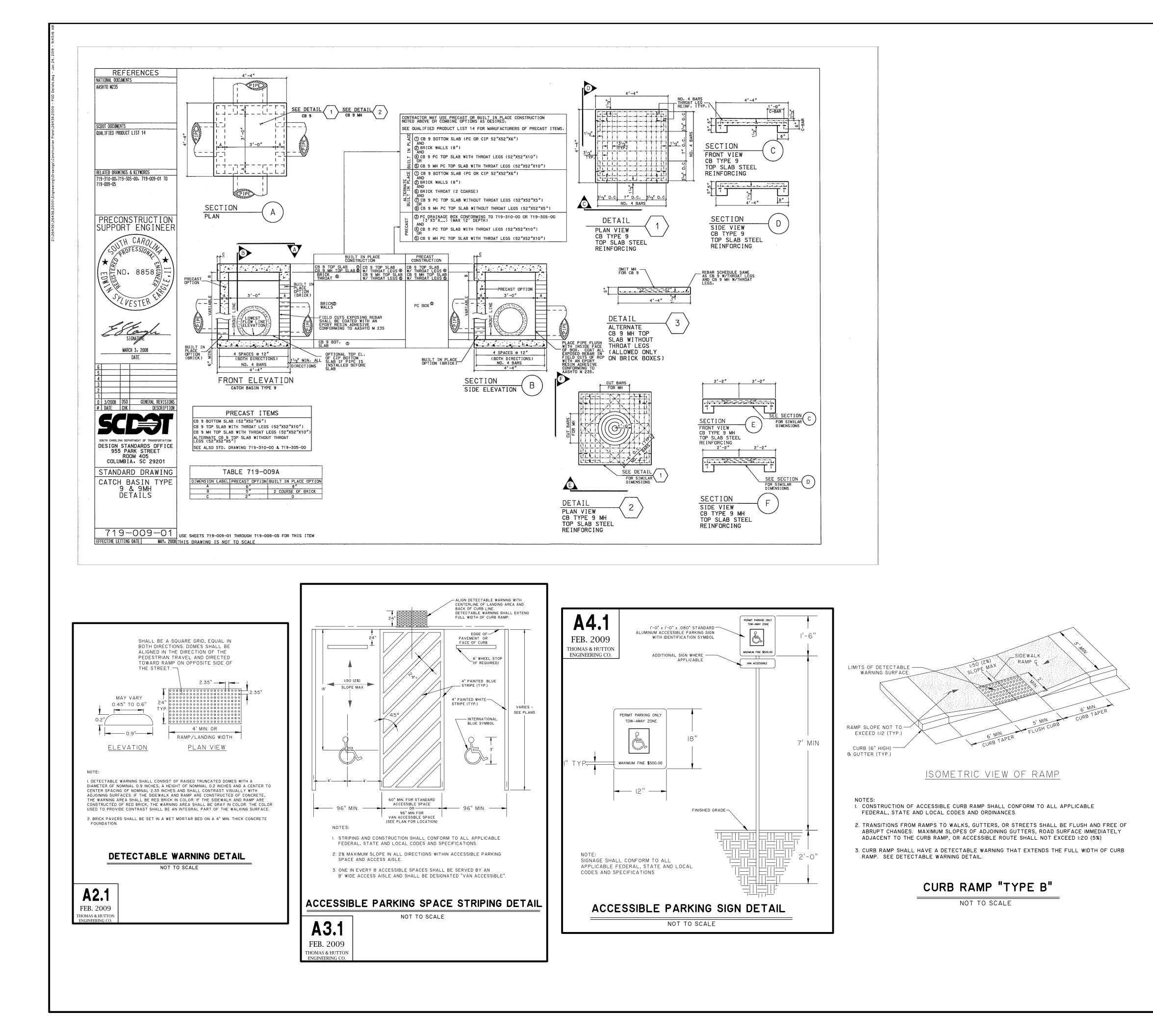
S



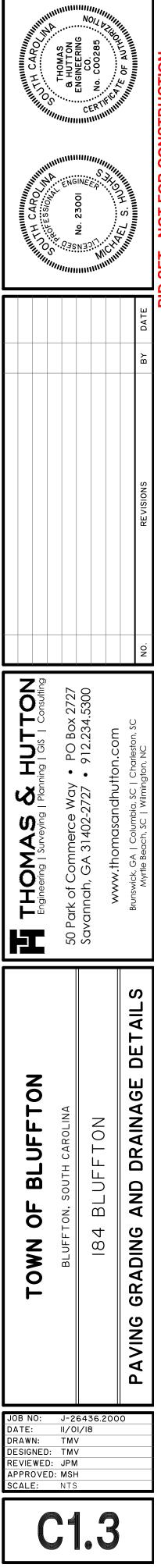


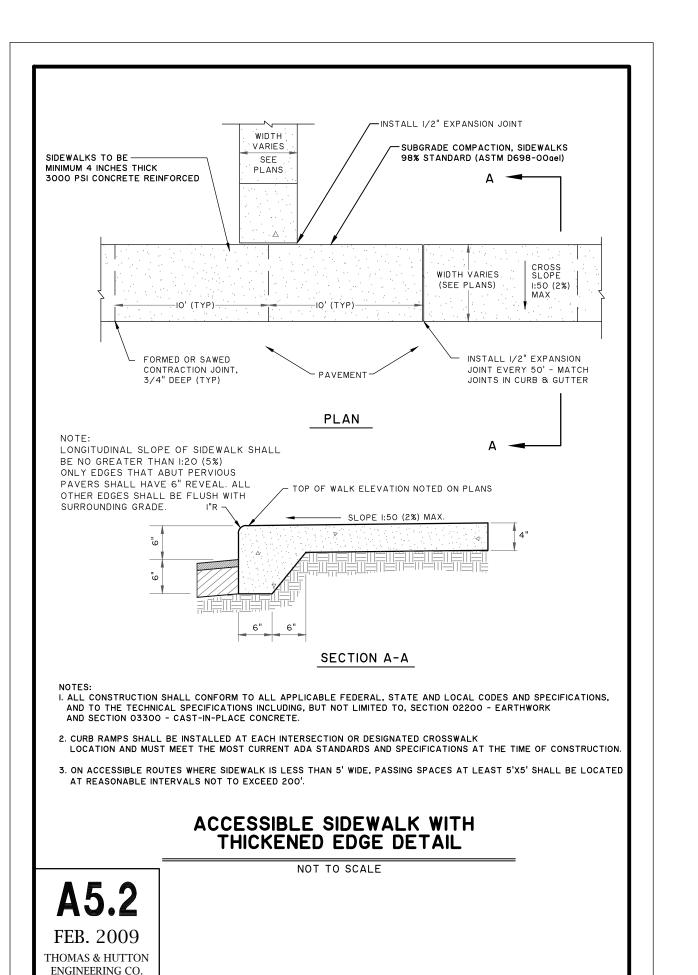
NOTES	
NOTES: 1. SEE 719-110-01 FOR DROP INLET (24"X 36"). FOR BUILT IN PLACE CONSTRUCTION OF THE CATCH BASIN WALLS, EITHER BRICK MASONRY (WALLS ONLY) OR CIP CLASS 3000 CONCRETE MAY BE USED. FOR PRECAST CONSTRUCTION, A MINIMUM OF CLASS 4000P CONCRETE SHALL BE USED.	
2. CONCRETE WALLS ARE TO BE 6" THICK WITH A MINIMUM REINFORCING STEEL AREA 0.20 SQUARE INCHES PER FOOT UNLESS NOTED. FOR BRICK, THE WALLS ARE TO BE 8" THICK CONCRETE BRICK AND SIMILAR SOLID UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 55. GRADE S-11. THE INTERIOR DIMENSIONS ARE TO REMAIN AS SHOWN FOR EITHER TYPE OF CONSTRUCTION.	
3. THE BOTTOM SLAB OF THE BOX SHALL BE A MINIMUM OF 6" THICK REINFORCED CONCRETE (CLASS 3000 OR 4000P) WITH A REINFORCING STEEL AREA OF 0.20 SQUARE INCHES PER FOOT. WIRE MESH BE USED IN LIEU OF STEEL BARS PROVIDED A MINIMUM OF 0.20 SQUARE INCHES PER FOOT I S MET.	
4. MORTAR SHALL BE TYPE S OR M. 5. REINFORCING STEEL SHALL BE ASTM A-706, LOW-ALLOY STEEL DEFORMED BARS FOR CONCRETE REINFORCEMENT, GRADE 60, WIRE MESH SHALL CONFORM TO AASHTO M 55 AND M	
6. SEE STANDARD DRAWING 719-550-00 FOR STEPS, WHICH ARE REQUIRED WHEN STRUCTURE DEPTH EXCEEDS 4'-6".	
7.SEE STANDARD DRAWINGS 719-420-00 AND 719-425-00 FOR DEPTHS GREATER THAN 12'. PRECAST CONCRETE CIRCULAR DRAINAGE STRUCTURES ARE REQUIRED WHEN THE DEPTH FROM THE TOP OF THE DRAINAGE BOX BOTTOM SLAB TO THE TOP OF THE GROUND EXCEEDS $12'-0''$ .	
8. LOCATION AND SIZE OF PIPES ARE SITE SPECIFIC, (SEE DRAINAGE PLANS). THE BOTTOM OF THE CATCH BASIN IS TO BE GROUTED TO THE LOWEST FLOW LINE ELEVATION OF ALL PIPES. BOTTOM SLAB IS CAST IN PLACE WITH PIPES INSTALLED, BOTTOM SLAB THICKNESS MUST BE ACHIEVED BEYOND PIPE OUTSIDE DIAMETER.	
9. THE FLOOR OF THE BASIN MUST SLOPE IN THE DIRECTION OF THE OUTLET PIPE AS SHOWN AND THE INSIDE OF OUTLET PIPE SHALL BE FLUSH WITH FLOOR OF BASIN.	
10. SEE STANDARD DRAWING 719-305-00 OR 719-310-00 FOR MAXIMUM PIPE DIAMETERS. THE PIPE SIZES SHOWN ARE MAXIMUM FOR BRICK AND PRECAST BOXES WHEN PIPE ENTERS PERPENDICULAR AND AT THE CENTE OF THE BOX WALL. CONTRACTOR SHOULD CONFIRM THAT PIPE USED FITS APPROPRIATELY INTO BOX.	R
FRAME AND GRATE NOTES: 11. ALL CASTINGS SHALL CONFORM TO AASHTO M 105. CLASS 35B AND THE SPECIFICATIONS OF AASHTO M 306	
12. (d) STEEL GRATES AND FRAME MAY BE USED IN LIEU OF CAST IRON AS LONG AS THE LOADING (NOTE 12d) AND HYDRAULIC REQUIREMENTS ARE MET, AND ARE ON THE DEPARTMENT'S LIST OF APPROVED SUPPLIERS. (QUALIFIED PRODUCT LIST 45)	
APPROVED SUPPLIERS. (UDALIFIED PRODUCTIIST 3E) (b) STEEL GRATES SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111, (c) STEEL GRATES AND FRAMES SHALL BE DIMENSIONED TO BE INTERCHANGEABLE WITH EACH PIECE OF THE CAST IRON GRATE AND FRAME SHOWN, STEEL GRATES MUST HAVE POSITIVE MEANS TO BE RETAINED IN THE FRAME, OF GTEED ON THE AND FRAME HAVE POSITIVE MEANS TO BE	
<ul> <li>(d) STRENGTH REQUIREMENTS OF STEEL GRATES AND FRAMES MUST MEET AASHTO M 306</li> <li>(e) MANUFACTURERS DESIRING TO BE PLACED ON THE DEPARTMENT'S QUALIFIED PRODUCT LIST SHOULD CONTACT THE MATERIALS AND RESEARCH ENGINEER FOR PROCEDURES.</li> </ul>	
13. THE LONGEST DIMENSIONS OF THE OPENING IN THE IRON GRATE SHOULD BE ORIENTED IN THE DIRECTION OF FLOW, IF PRACTICABLE. THIS GRATE IS NOT SUITABLE FOR PEDESTRIAN TRAFFIC BECAUSE GRATE OPENINGS EXCEED $V_2''$ .	0 9
14. AS SHOWN BY THIS DRAWING, THE FRAME IS SET LEVEL, BUT THE ENGINEER MAY SET SAME ON SLOPE AS REQUIRED BY LOCAL DRAINAGE CONDITIONS.	
15. AFTER THE FRAME IS SET IN ITS FINAL POSITION, IT IS TO BE ENCASED WITH CONCRETE AS SHOWN BY DRAWING.	
16. ALL MANUFACTURING PROCESSES FOR THE FRAME AND GRATE MUST OCCUR IN THE UNITED STATES.	6
PRECAST NOTES: 17. THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING SATISFACTORY INSTALLATIONS. SEE STANDARD DRAWINGS FOR PRECAST CONCRETE DRAINAGE BOX OR STRUCTURE FOR ADDITIONAL DETAILS AND SPECIFICATIONS.	
18. LIET HOLES AND/OR DEVICES MAY BE PLACED AS NECESSRY. ALL LIFT HOLES SHALL BE GROUTED SHUT PRIOR TO COMPLETION OF THE INSTALLATION. ALL LIFTING METHODS MUST MEET OSHA REGULATIONS.	
19. THE CONTRACTOR SHALL USE A SINGLE SOURCE MANUFACTURER CHOSEN FROM THE LIST ON QUALIFIED PRODUCT LIST 14 FOR PRECAST ITEMS ON THIS DRAWING.	
20. FOLLOW QUALIFIED PRODUCT POLICY 14 IN ORDER TO BE LISTED ON QUALIFIED PRODUCT LIST 14.	
21. CONTRACTOR MAY SUBMIT DESIGN DRAWINGS AND CALCULATIONS FOR MODIFICATIONS TO THIS ITEM ON A PROJECT BY PROJECT BASIS. MODIFICATIONS TO THESE ITEMS WILL NOT BE LISTED ON ANY QUALIF PRODUCT LIST. SUBMIT ALL PROPOSALS FOR PROJECT SPECIFIC MODIFICATIONS TO THE RESIDENT ENGINE REVIEW BY THE ENGINEER OF RECORD.	IED ER FOR
22, JOINTS BETWEEN INSTALLED PIECES AND PRECAST ITEMS TO BE PLACED SHALL BE SEALED WITH A $\nu_2$ GROUT LIFT OR AN APPROPRIATE PLASTIC PREFORMED GASKET (QUALIFIED PRODUCT LIST 13.)	
PRECAST INSTALLATION NOTES: 23. BED SHALL BE PREPARED AND COMPACTED FOR PRECAST DRAINAGE STRUCTURE AS REQUIRED BY SCDOT STANDARD SPECIFICATIONS FOR PRECAST ITEMS. ELEVATION OF BEDDING MATERIAL SHALL BE APPROPRIATE TO ACCOMMODATE ELEVATIONS OF ALL PIPES AND REQUIRED BOX TOP ELEVATION.	
24. PLACE AND LEVEL PRECAST BOX OR SLAB.	
25. PIPES SHALL BE INSTALLED AND GROUTED IN PLACE.	
25. FIPES AND BOX SHALL BE BACKFILLED AND COMPACTED AS REQUIRED BY SCOOT STANDARD SPECIFICATIONS.	
27. ANY LOCATION WHERE THE ABOVE REQUIREMENTS CANNOT BE MET SHALL BE COMPLETED USING CAST IN PLACE MATERIALS MEETING THE REQUIREMENTS OF THIS STANDARD DRAWING, ANY ADDITIONAL MATERIALS OR COSTS ASSOCIATED WITH THE USE OF PRECAST SHALL BE PAID FOR BY THE CONTRACTOR AND MAY NOT BE CHARGED TO SCDOT.	
28. THE CONTRACT UNIT PRICE FOR DROP INLETS SHALL INCLUDE THE COST OF FURNISHING ALL MATERIALS, (BUILT IN PLACE OR PRECAST), AND WORK INCIDENTAL TO THE CONSTRUCTION OF THE STRUCTURE COMPLETE IN PLACE AS SHOWN, INCLUDING THE CURB AND GUTTER. IN ACCORDANCE WITH THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).	
29. PRECAST CONCRETE CIRCULAR STRUCTURES ARE REQUIRED FOR THE FOLLOWING APPLICATIONS UNLESS PROHIBITED BY THE PLANS OR SPECIAL PROVISIONS.	
(a) ON DRAINAGE STRUCTURES WITH A DEPTH EQUAL TO OR GREATER THAN 12 FEET.	
(b) ON DRAINAGE STRUCTURES WHERE THE FLOW LINE ELEVATION OF THE INLET PIPE IS EQUAL TO OR HIG THAN THE INSIDE TOP (SOFFIT) OF THE OUTLET PIPE.	SHER
(0) AS REQUIRED BY THE PROJECT PLANS. 30. THE PAY ITEM SHALL BE:	
DROP INLET (24"X24")EA	

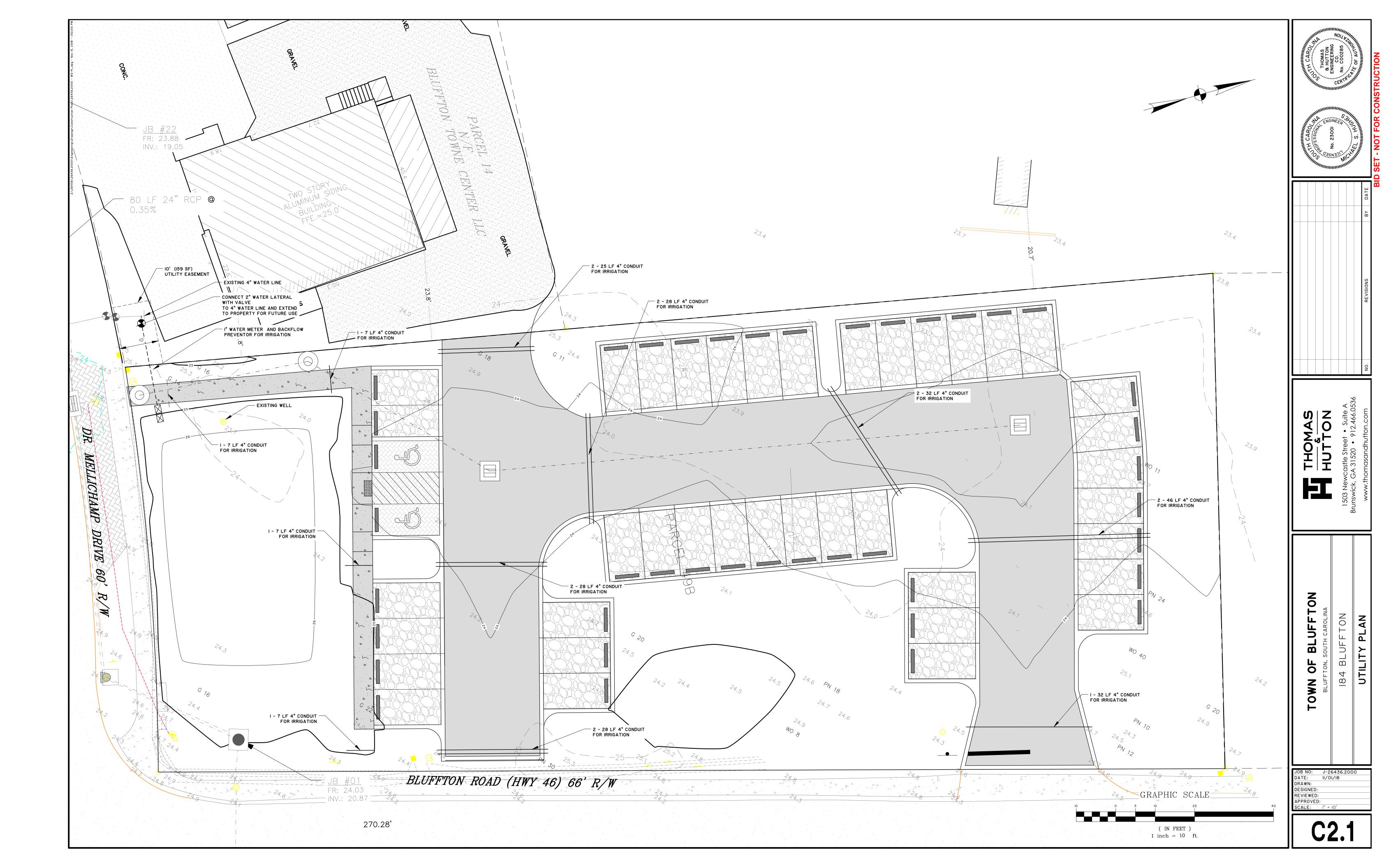


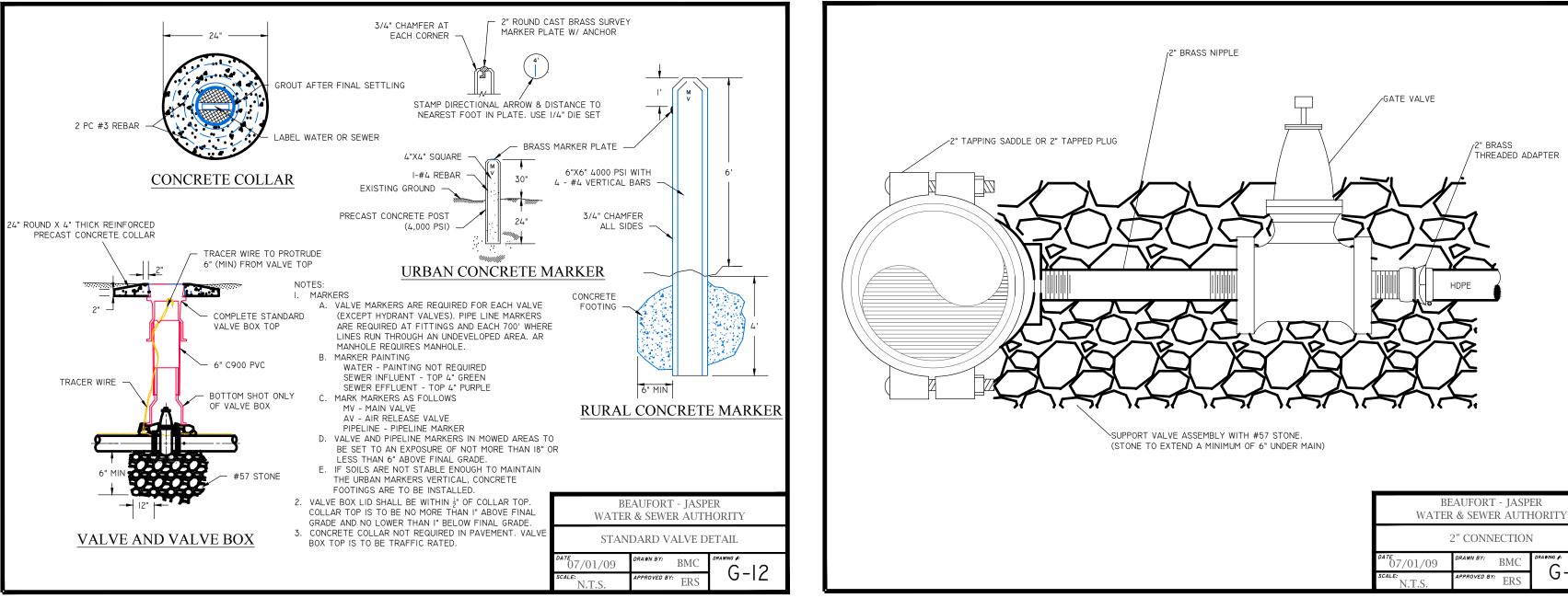


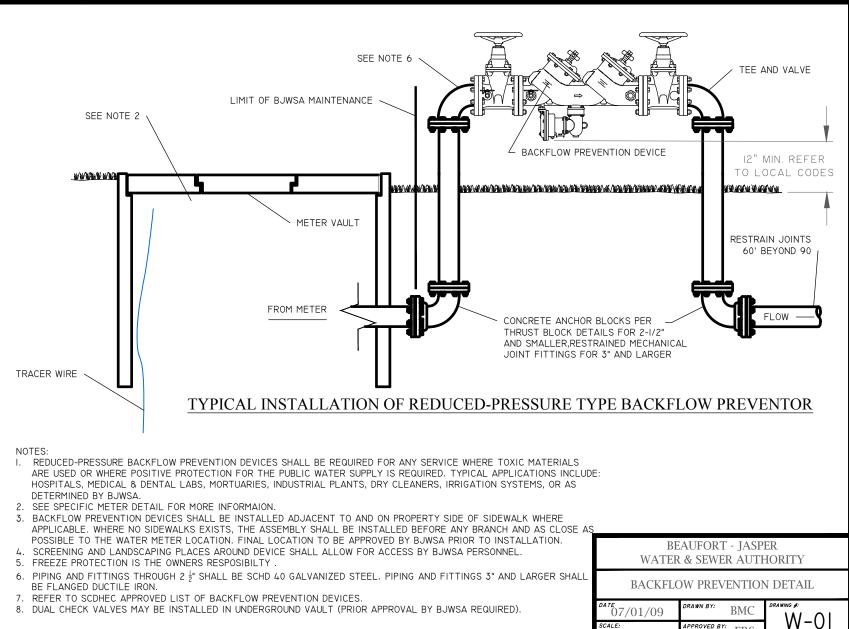




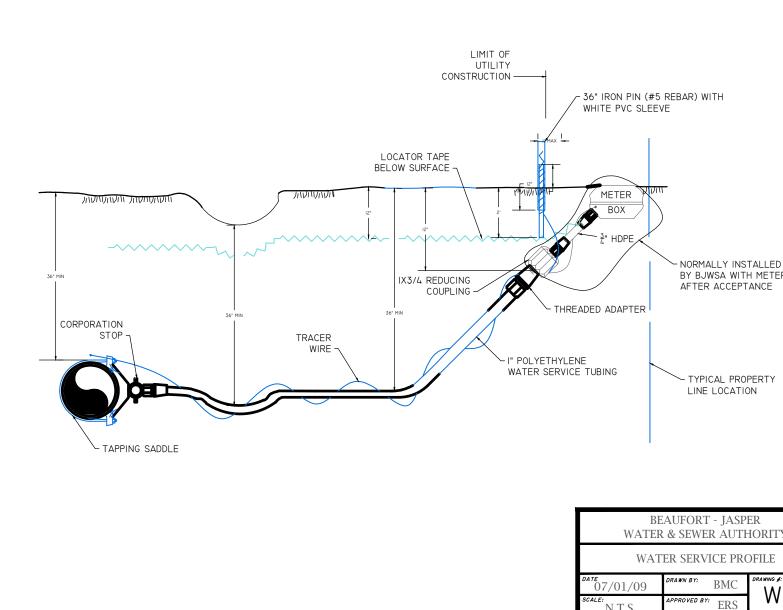








RTY SIDE OF SIDEWALK WHERE FORE ANY BRANCH AND AS CLOSE AS JWSA PRIOR TO INSTALLATION. IY BJWSA PERSONNEL.	BE	AUFORT - JASPI & SEWER AUTH	
AND FITTINGS 3" AND LARGER SHALL	BACKFLO	OW PREVENTION	N DETAIL
BY BJWSA REQUIRED).	07/01/09	drawn by: BMC	
	scale: N.T.S.	APPROVED BY: ERS	vv-01



# **CTIO**

	HIN OCO HI ONI	THOMAS		~ ~	「 当 、 No. C00285 、 「 」			
	In The State of th	A. F	NG		""" """		L.S	
								DATE
								BΥ
								REVISIONS
								NO.
THOMAS & HUTTON	Engineering   Surveying   Planning   GIS   Consul		50 Park of Commerce Way • PO Box 272	Savannah, GA 31402-2727 • 912.234.5300		www.thomasandhutton.com	Brunswick GA   Columbia SC   Charleston SC	Myrtle Beach, SC   Wilmington, NC
	I OWN OF BLOFF I ON		BLUFFION, SUUIH CARULINA		184 BLUFFTON		V ATED DETAIL C	WAIER UCIAILS
JOB N DATE: DRAW DESIG REVIE APPR( SCALE	N: NED WED DVE	וו ד : ד D: J D: N		/18 / /	36.2 1	00	0	
					0 4	2		

JASPER AUTHORITY
JASPER AUTHORITY CTION
AUTHORITY
AUTHORITY CTION BMC

LLY INSTALLED	
VSA WITH METER	
ACCEPTANCE	

LINE LOCATION

- JASP AUTH	ER HORITY			
CE PRO	OFILE			
BMC	<sup>drawing</sup> ∦: W−09			
ERS VV-09				