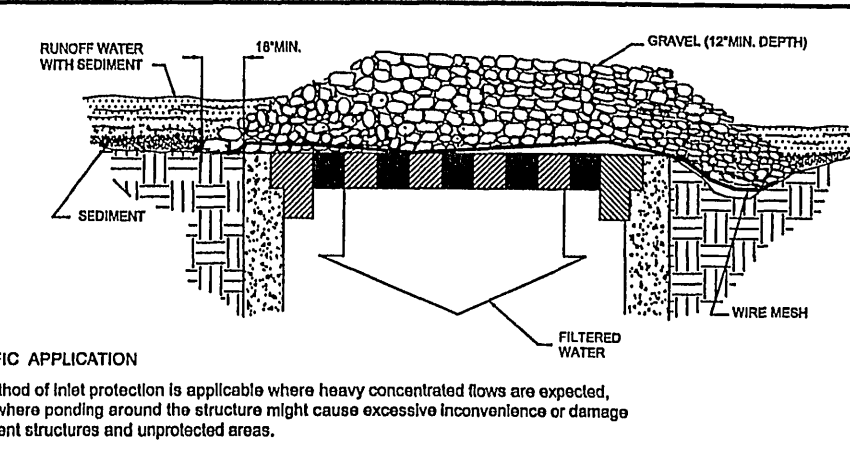
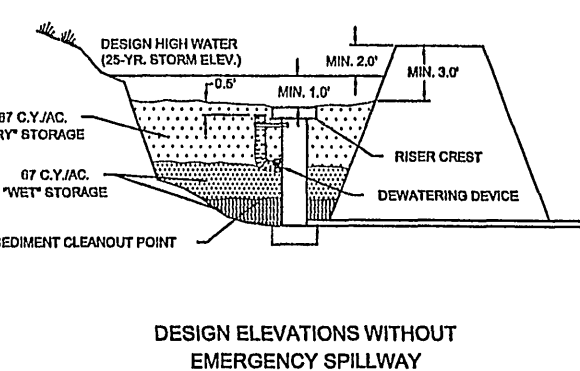
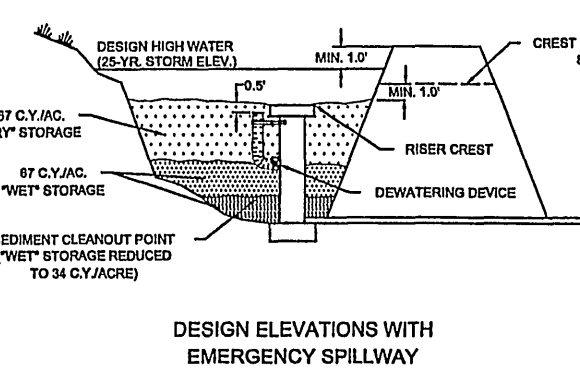


STORMWATER MANAGEMENT COST ESTIMATE				
ALL COSTS GIVEN ARE COMPLETE IN PLACE				
DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
CLEARING & GRUBBING	LS		\$	\$
EXCAVATION	CY			
EMBANKMENT	CY			
FENCING	LF			
STRUCTURES				
ACCESS ROAD				
AS-BUILTS				
SUB-TOTAL			\$	\$
10% CONTINGENCY			\$	\$
TOTAL PROJECT COST			\$	\$

SEDIMENT BASIN SCHEMATIC ELEVATIONS



IP GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER

GENERAL NOTES

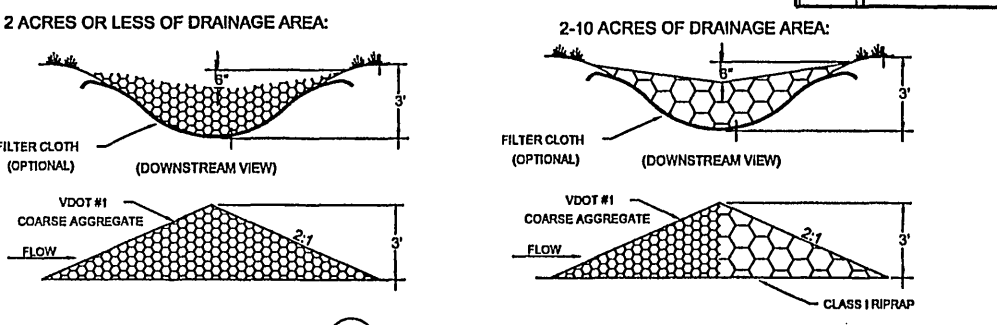
- DESIGN OF DETENTION BASINS SHALL CONFORM TO THE REQUIREMENTS OF THE COUNTY OF ROANOKE DRAINAGE STANDARDS (REF. SECTIONS 303.2, 303.3, AND 303.4). THE DESIGN OF THE FACILITY AND PREPARATION OF AS-BUILT PLANS SHALL BE BY A CERTIFIED PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE COMMONWEALTH OF VIRGINIA.
- ACCESS TO THE FACILITY MUST BE PROVIDED IN ACCORDANCE WITH THE COUNTY OF ROANOKE DESIGN AND CONSTRUCTION STANDARDS FOR DETENTION PONDS, LATEST EDITION.
- IF THE FACILITY IS OVER FOUR (4) FEET DEEP, TAKES OVER TWO (2) HOURS TO DRAIN, OR THE INTERIOR SLOPE EXCEEDS 3 (H) : 1 (V), PERMANENT FENCING MAY BE REQUIRED. ADDITIONALLY, IF THE FACILITY IS IN A CONGESTED AREA OR WILL IN ANY WAY POSE A HAZARD TO THE GENERAL PUBLIC, FENCING MAY BE REQUIRED. FENCING SHALL BE A MINIMUM OF SIX (6) FEET HIGH, A MINIMUM OF STANDARD NINE GAUGE LINK FENCE, AND MUST HAVE ONE OR MORE LOCKING DOUBLE GATES (MINIMUM TEN FEET WIDE) FOR ACCESS.
- DETENTION PONDS SHALL BE BONDED IN ACCORDANCE WITH THE ROANOKE COUNTY BONDING POLICY FOR SUBDIVISION AND SITE DEVELOPMENT. A SEPARATE BOND FOR THE DETENTION FACILITY WILL BE REQUIRED AND ADMINISTERED APART FROM THE SUBDIVISION DEVELOPMENT BOND. REFERENCE ESTIMATE - THIS SHEET.
- REFERENCE THE COUNTY OF ROANOKE DESIGN AND CONSTRUCTION STANDARDS FOR DETENTION PONDS, LATEST EDITION, FOR ACCEPTANCE AND MAINTENANCE OF THE FACILITY. CERTIFIED AS-BUILTS ARE REQUIRED AND MUST INCLUDE:
 - DIMENSIONS OF THE FACILITY
 - VOLUME OF MAXIMUM DEPTH
 - CONNECTIONS OF STRUCTURES, SPILLWAYS, AND TOP
 - MATERIALS VERIFICATION INCLUDING RESULTS OF DENSITY TESTS CONDUCTED BY AN INDEPENDENT SOIL TESTING LABORATORY
 - LOCATION AND ELEVATION OF BENCHMARK
- ONE FOOT MINIMUM FREEBOARD REQUIRED FOR THE 100 YR WATER SURFACE ELEVATION.

CONSTRUCTION NOTES

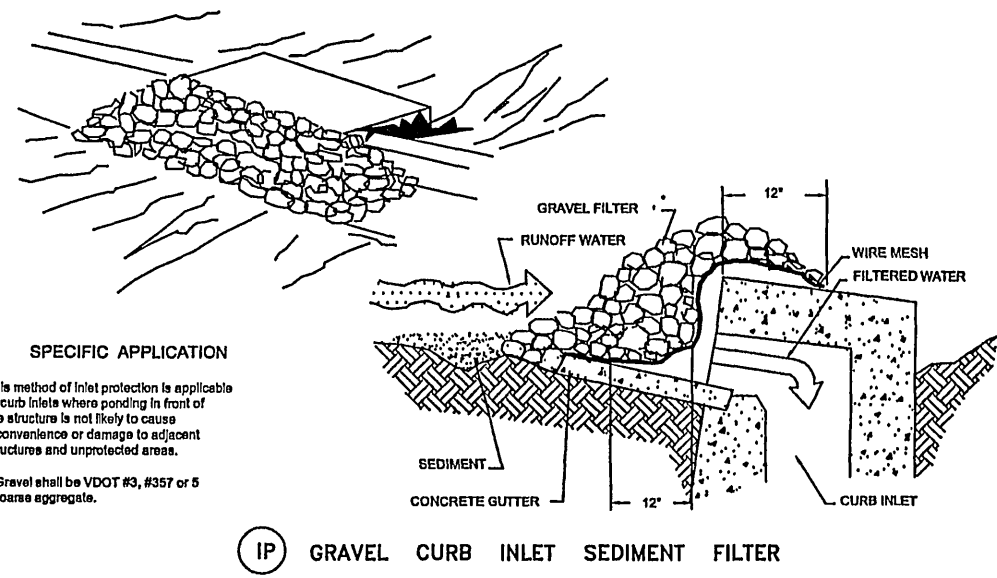
- SITE PREPARATION SHALL BE IN ACCORDANCE WITH THE COUNTY OF ROANOKE DESIGN AND CONSTRUCTION STANDARDS FOR DETENTION PONDS, LATEST EDITION.
- SLOPES STEEPER THAN 3 TO 1 (HORIZONTAL TO VERTICAL) SHALL BE REINFORCED OR STEPED PRIOR TO PLACING FILL ON THEM.
- ON-SITE FILL MATERIAL, OR BORROW FILL MATERIAL, MAY BE UTILIZED. FILL MATERIAL, SOILS, IN GENERAL:
 - SHALL BE COMPACTABLE
 - SHALL BE WITHIN AN ACCEPTABLE RANGE OF MOISTURE CONTENT WHICH IS READILY CONTROLLED
 - SHALL NOT BE HIGHLY SUSCEPTIBLE TO VOLUME CHANGE (SHRINKAGE OR SWELL) OR SETTLEMENT
- FILL MATERIALS CONTAINING ROCKS LARGER THAN SIX (6) INCHES (15.2 CM) SHALL NOT BE USED. THE UPPERMOST TWO (2) FEET (61 CM) SHALL NOT HAVE ANY ROCK LARGER THAN TWO (2) INCHES (5.1 CM) IN DIAMETER.
- THE APPROVED FILL SHALL BE PLACED IN EIGHT (8) INCH (2 CM) LOOSE LIFTS. EACH LIFT SHALL BE SPREAD IN UNIFORM LAYERS. FILL SOIL SHALL BE UTILIZED ONLY WITHIN A MOISTURE RANGE OF +/- 5% OF THE OPTIMUM MOISTURE CONTENT. COMPACTION OF THE FILL SHALL BE PERFORMED WITH APPROVED EQUIPMENT. COMPACTION OF THE LAYERS SHALL BE CONTINUOUS AND UNIFORM.
- EMBANKMENT MATERIAL IN FILL AREAS SHALL BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES AND SHALL BE COMPACTED TO A MINIMUM 95% DENSITY IN ACCORDANCE WITH SECTION 303 OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS.
- FIELD DENSITY TESTS ARE TO BE CONDUCTED BY AN INDEPENDENT SOIL TESTING LABORATORY DURING THE CONSTRUCTION OF A QUALIFIED GEOTECHNICAL ENGINEER. THE RESULTS OF THESE TESTS SHALL BE SUBMITTED TO THE COUNTY OF ROANOKE WITH AS-BUILT PLANS AS A CONDITION OF ACCEPTANCE OF THE FACILITY BY THE COUNTY. FIELD DENSITY TESTS, AS DIRECTED BY THE ENGINEER, SHALL BE PERFORMED PERIODICALLY TO DETERMINE THE DEGREE OF COMPACTION. ANY AREAS FAILING TO MEET THE ABOVE REQUIREMENTS SHALL BE REWORKED AND/OR RECOMPACTED UNTIL THE REQUIRED DEGREE OF COMPACTION IS ACHIEVED.
- ANTI-SLEEP COLLARS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
- ALL DISTURBED AREAS SHALL BE COVERED WITH FOUR (4) INCHES OF TOPSOIL AND SEEDED.
- THE MINIMUM SLOPE OF THE BASIN FLOOR SHALL BE ONE (1) PERCENT GRADED TO DRAIN TO THE PRINCIPAL SPILLWAY.

SPECIFIC APPLICATION
This method of inlet protection is applicable where heavy flows are expected and where an overflow capability and ease of maintenance are desirable.

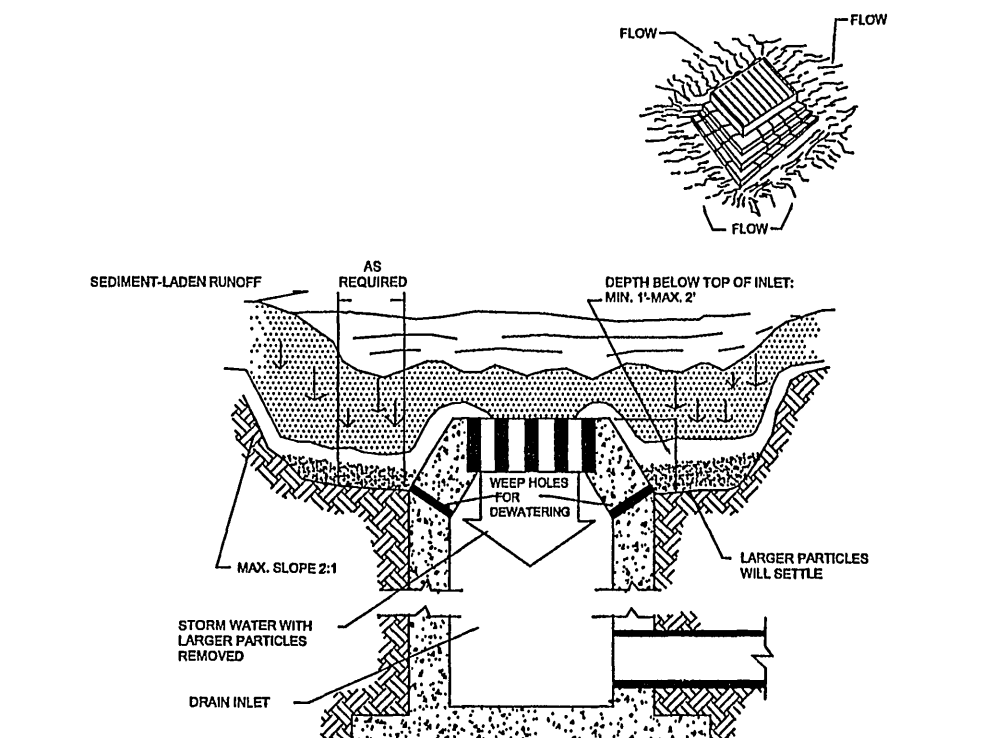
NO.	TITLE	KEY	SYMBOL	NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF		3.20	ROCK CHECK DAMS	CD	
3.02	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE	CE		3.21	LEVEL SPREADER	LS	
3.03	CONSTRUCTION ROAD STABILIZATION	CRS		3.22	VEGETATIVE STREAMBANK STABILIZATION	VSS	
3.04	STRAW BALE BARRIER	STB		3.23	STRUCTURAL STREAMBANK STABILIZATION	SSS	
3.05	SILT FENCE	SF		3.24	TEMPORARY VEHICULAR STREAM CROSSING	VSC	
3.06	BRUSH BARRIER	BB		3.25	UTILITY STREAM CROSSING	USC	
3.07	STORM DRAIN INLET PROTECTION	IP		3.26	DEWATERING STRUCTURE	DS	
3.08	CULVERT INLET PROTECTION	CP		3.27	TURBIDITY CURTAIN	TC	
3.09	TEMPORARY DIVERSION DIKE	DD		3.28	SUBSURFACE DRAIN	SD	
3.10	TEMPORARY FILL DIVERSION	FD		3.29	SURFACE ROUGHENING	BR	
3.11	TEMPORARY RIGHT-OF-WAY DIVERSION	RWD		3.30	TOPSOILING	TO	
3.12	DIVERSION	DV		3.31	TEMPORARY SEEDING	TS	
3.13	TEMPORARY SEDIMENT TRAP	ST		3.32	PERMANENT SEEDING	PS	
3.14	TEMPORARY SEDIMENT BASIN	SB		3.33	SODDING	SO	
3.15	TEMPORARY SLOPE DRAIN	TSD		3.34	BERMUDA GRASS AND ZOYSIA GRASS ESTABLISHMENT	ZG	
3.16	PAVED FLUME	PF		3.35	MULCHING	MU	
3.17	STORMWATER CONVEYANCE CHANNEL	CC		3.36	SOIL STABILIZATION BLANKETS AND MATTING TREES, SHRUBS, VINES AND GROUND COVERS	VEG	
3.18	OUTLET PROTECTION	OP		3.37	TREE PRESERVATION AND PROTECTION	TP	
3.19	RIPRAP	RR		3.38	DUST CONTROL	DC	



CD ROCK CHECK DAM



IP GRAVEL CURB INLET SEDIMENT FILTER



IP EXCAVATED DROP INLET SEDIMENT TRAP

EROSION-SILTATION CONTROL COST ESTIMATE				
ALL COSTS GIVEN ARE COMPLETE IN PLACE				
DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
CONSTRUCTION ENTRANCE	EA	1	\$ 800.00	\$ 800.00
SILT FENCE	LF	415	\$ 3.00	\$ 1245.00
INLET PROTECTION	EA			
TEMPORARY DIVERSION DIKE	LF			
TEMPORARY FILL DIVERSION	LF			
SEDIMENT TRAP	EA			
CHECK DAM	EA			
PERMANENT SEEDING	1000 SF	±51556.4/1000 5.3	\$ 50.00	\$ 265.00
OUTLET PROTECTION	EA			
SEDIMENT BASIN	EA			
SUB-TOTAL				\$ 2310.00
10% CONTINGENCY				\$ 231.00
TOTAL PROJECT COST				\$ 2541.00

TEMPORARY SEDIMENT TRAP DATA				
STRUCTURE	DRAINAGE AREA (ACRES)	STORAGE (C.Y.) REQ'D	WEIR LENGTH (FT.)	WEIR HEIGHT (FT.)
DD				
FD				
RWD				
DV				

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED WITHIN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
- THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.
- ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLANS SHALL BE PLACED IN ADVANCE OF THE WORK BEING PERFORMED, AS FAR AS PRACTICAL.
- IN NO CASE DURING CONSTRUCTION SHALL MATERIAL RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.
- FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. THESE SYMBOLS AND KEYS ARE TO BE UTILIZED ON ALL EROSION CONTROL PLANS SUBMITTED TO ROANOKE COUNTY.

PERMANENT SEEDING MIXTURE

TYPE A	TYPE B (SLOPES 3:1 OR STEEPER)
15 OCTOBER TO 1 FEBRUARY K-31 FESCUE @ 11 LB / 1000 SF BORZY WINTER RYE @ 12 LB / 1000 SF 1 FEBRUARY TO 1 JUNE K-31 FESCUE @ 11 LB / 1000 SF ANNUAL RYE @ 12 LB / 1000 SF 1 JUNE TO 1 SEPTEMBER K-31 FESCUE @ 11 LB / 1000 SF GERMAN MILLET @ 12 LB / 1000 SF 1 SEPTEMBER TO 15 OCTOBER K-31 FESCUE @ 11 LB / 1000 SF ANNUAL RYE @ 12 LB / 1000 SF	15 MARCH TO 1 MAY CROWN VETCH @ 12 LB / 1000 SF PERENNIAL RYEGRASS @ 12 LB / 1000 SF RED TOP @ 18 LB / 1000 SF 15 AUGUST TO 1 OCTOBER CROWN VETCH @ 12 LB / 1000 SF PERENNIAL RYEGRASS @ 12 LB / 1000 SF RED TOP @ 18 LB / 1000 SF
LIME: 140 LB / 1000 SF PULVERIZED AGRICULTURAL LIMESTONE FERTILIZER: 5-20-10 @ 25 LB / 1000 SF 38-0-0 @ 7 LB / 1000 SF	
MULCH: IF REQUIRED, SHALL BE USED OVER ALL SEEDING AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.15 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.	
SOIL CONDITIONING: INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED, MULCHING, MAINTENANCE OF NEW SEEDINGS, AND RESEEDING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. ADDITIONAL SEEDING TO BE PERFORMED AS REQUIRED BY THE INSPECTOR.	
SEED APPLICATION: APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER ON A FIRM, FRANKLE SEEDS. MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.	
TOTAL DISTURBED AREA =	AC. =
SQ. FT.	

DEPARTMENT
OF
ENGINEERING AND INSPECTIONS

NO.	REVISIONS	DATE
1	ENGR. & INSP. 04-10-93	
2	ENGR. & INSP. 06-05-93	
3	ENGR. & INSP. 10-27-93	
4		
5		
6		

COUNTY OF ROANOKE

DATE: 11/02/93
SCALE: NO SCALE
DRAWING BY: CLN,AF
DESIGNED BY: G:\CAD\DETAILS\EROSION\EROSION
APPROVED BY: GWS,III

EROSION & SEDIMENT CONTROL
STORMWATER MANAGEMENT DETAILS

SHEET
1
OF
1

SITE WORK				
1. THE COST TO EXTEND UTILITIES TO THE CONNECTION POINT IS TO BE REFLECTED IN THE CONTRACT SUM. ANY REQUIREMENTS OTHER THAN IMPACT, TAP FEES PAID DIRECTLY TO THE PURVEYOR ARE THE GENERAL CONTRACTOR'S RESPONSIBILITY.				
2. GENERAL CONTRACTOR TO PROVIDE 4" PVC SLEEVES TO FACILITATE IRRIGATION TO ALL LANDSCAPE AREAS. POWER AND CONDUIT TO EXTERIOR VENTILATION OF IRRIGATION CONTROL VALVE BOX SHALL BE PROVIDED BY GENERAL CONTRACTOR. KEEP LOCATION WITH PROJECT MANAGER.				
3. GENERAL CONTRACTOR WILL BACKFILL AND GRADE ALL LANDSCAPE BEDS TO A COMPACTED MINUS 4" TOP OF FINISHED CURB. INSURE BEDS ARE FREE OF FOREIGN MATERIALS AND DEBRIS. CONTINUE TO FILLS WITH TOP QUALITY SOIL TO 1" BELOW TOP OF CURB, FOR PROPOSED LANDSCAPE SOIL, SO AND MULCH TO FINISH FLUSH WITH CURB.				
4. GENERAL CONTRACTOR TO ADHERE TO SOILS REPORT AS BASIS OF SITE WORK FOR ALL POOR SOILS REMOVAL AND RESTORATION. UNDERCUTTING OR ROCK REMOVAL. THE GRADING PRICE SHALL INCLUDE THE SITE TO THE PROPOSED ELEVATIONS AS INDICATED ON THE SITE PLAN. SHOULD ANY UNUSUAL PROBLEM AREAS BECOME EVIDENT, NOTIFY THE PROJECT MANAGER TO CORRECT THESE AREAS. CHANGE ORDERS FOR ANY POOR SOIL REMOVAL AND REPLACEMENT (SOIL REMOVAL) SHALL NOT EXCEED 7 % OF THE TOTAL COST IN PLACE OF LACK AND MATERIAL. CONTRACTOR SHALL PROVIDE UNIT COST FOR UNFORESEEN POOR SOILS REMOVAL AND REPLACEMENT AS ALTERNATE.				
5. PROVIDE ALL CONDUITS AND WIRING. SEPARATE CIRCUIT FOR MENU ORDER STATION AND DETECTOR UNIT. THE DETECTOR LOOP SHALL BE INSTALLED IN THE DRIVE THRU PRIOR TO POURING THE CONCRETE DRIVE-THRU LANE. COORDINATE LOCATION OF MENU ORDER STATION.				
6. VERIFY THE TYPE, SIZE AND LOCATION OF TELEPHONE CONDUIT REQUIRED TO SERVICE FACILITY. MINIMUM SHALL BE 2".				
7. GENERAL CONTRACTOR AND ASSOCIATED SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES (GAS, ELECTRIC, WATER, SEWER, STORM DRAINAGE) TO INSURE TIMELY INSTALLATION.				
8. ALL REQUIRED DEMOLITION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.				
9. REVIEW GREASE TRAP LOCATION WITH McDONALDS PROJECT MANAGER.				
10. WATER SERVICE SHALL BE 2" MIN. FOR DOMESTIC USE AND 4" MIN. FOR IRRIGATION AND BE OF COPPER MATERIAL.				
11. VERIFY GAS METER LOCATION PRIOR TO INSTALLATION.				
12. GENERAL CONTRACTOR WILL VERIFY BUILDING LOCATION CERTIFIED BY REGISTERED SURVEYOR. A SEALED AND SIGNED C-1 WILL SUPPORT BUILDING FOUNDATION. A SEALED CERTIFIED C-2 PLAN AND BUILDING PLAT IS REQUIRED PRIOR TO SUBMITTING FIRST PAYMENT REQUEST. AS-BUILT LOCATION OF BUILDING TO NOTE BUILDING SETBACKS AND VERIFICATION OF PERMANENT LOCATIONS PROVIDED BY GENERAL CONTRACTOR.				
13. GENERAL CONTRACTOR TO FURNISH A 4'x6" "HERE WE GROW AGAIN" SIGN. SIGN MAY BE USED ON FUTURE PROJECTS PROVIDING IT IS MAINTAINED IN GOOD REPAIR. THIS SIGN MUST BE POSTED WITHIN 10 CALENDAR DAYS OF PROJECT START. IF NOT, A SIGN MUST BE POSTED WITHIN 10 CALENDAR DAYS OF THE CONTRACT START. SIGNS CAN BE OBTAINED FROM THE McDONALDS PROJECT MANAGER.				
14. MINIMUM ASPHALT PAVING CONSIST OF A P LAYER OF AGGREGATE ROCK BASE, 2" LAYER OF AGGREGATE ASPHALT (GRIND) CEMENT BASE, AND AN ADEQUATE ASPHALT CEMENT BASE (SMOOTH FINISHED SURFACE. SOILS REPORT SHALL CONTROL IN MORE STRINGENT CASES. FINISH FLOOR SHALL CONTINUE UNIT. ALL ROLLER MARKS AND IMPERFECTIONS ARE MINIMIZED.				
15. IN CASES WHERE CONCRETE PANELS ARE APPLIED, CONCRETE IS TO BE IN COMPLETE CONFORMANCE WITH McDONALDS PLANS AND SPECIFICATIONS INCLUDING SOILS REPORT.				
16. ALL SIDEWALKS AND CONCRETE PARKING LOTS INCLUDING DRIVE-THRU LANE SHALL CONSIST OF SCORE LINES (EXPANSION JOINTS) AT NO GREATER THAN 8' FOR SIDEWALKS AND NO GREATER THAN 20' ON CENTER FOR CONCRETE PARKING LOTS AND DRIVE-THRU LANE. PROVIDE PRE-MIDDED SPANBOND JOINT FILLER, FINISH WITH A 1/4" FINISH TROWEL.				
17. ALL SIDEWALKS SHALL BE TILED WITH 6"x6" CANYON RED ABRASIVE. CONTRACTOR TO PROVIDE MINIMUM 50 SF AT EACH DOOR WITH REMAINING THROUGHOUT AS BID ALTERNATE. INCLUDE TILE PRE-FRAME / INCLUDE EXISTING PANELS DIRECTLY CENTERED OVER SIDEWALK EXPANSION JOINT.				
18. COMPACTION OF BUILDING SUBSTRATUM AND ASPHALT AREAS TO BE VERIFIED IN WRITING AND PERFORMED BY A GEOTECHNICAL ENGINEER CONSULTANT. THE GENERAL CONTRACTOR SHALL COVER THE COST OF TESTING.				
19. PARKING LOT SUBGRADE TO BE AT A MINIMUM OF 95% COMPACTION. GENERAL CONTRACTOR TO PROVIDE PROCTOR FOR PROPOSED FILL MATERIAL. REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION, FOR FILL AT EVERY 1/4" VERTICAL LIFTS SHALL BE VERIFIED FOR 95% COMPACTION.				
20. GENERAL CONTRACTOR TO COORDINATE CONCRETE CYLINDER TEST FOR FOOTINGS, SLAB, AND ALL CONCRETE PARKING LOT DRIVE-THRU LANE AND DRIVE-THRU PAD.				
21. GENERAL CONTRACTOR TO PROVIDE (3) 1" CONDUITS FROM CASH WINDOW DRIVE-THRU (ABOVE CEILING) TO REAR PARKING LOT LIGHT POLE RUN UP INSIDE POLE 1" x 1" TO INCLUDE 110 EXTERIOR WEATHER PROOF GROUND FAULT BREAKER (CUTTER). PROVIDE REMAINING CONDUIT WITH 20W PLAT STRING FOR FUTURE SECURITY CAMERA CABLE.				
22. ALL CONCRETE CURBING SHALL BE AS PER PLANS AND SPECIFICATIONS. PROVIDE 1" PVC WEED HOLES AT EVERY 10' O.C. (GRAVEL BEDDING BENEATH CURB) TO PREVENT TRAPPED WATER IN LANDSCAPE BEDS.				
23. G.C. TO REVIEW EXISTING STREET IMPROVEMENTS, REPAIR / REPLACE AS REQUIRED BY LOCAL JURISDICTION.				
24. INSULATION UNDER THE CONCRETE FLOOR AT COOLER / FREEZER AREA SHALL BE BID AS OPERATOR EXTRA ON THE BID DOCUMENT PROPOSAL KITCHEN EQUIPMENT LINE.				
ALL LOT LIGHT WIRES TO BE CONTINUOUS RUN FROM PANELS TO THE LOT LIGHTS WITH NO SPLICES. (CHECK SPECS)				

GENERAL NOTES

- McDONALD'S ROAD SIGN AND BASE ARE BY THE SIGN CONTRACTOR. CONDUIT AND WIRING ARE BY THE G.C.
- BASES, GALVANIZED ANCHOR BOLTS, CONDUIT, AND WIRING FOR ALL OTHER SIGNS ARE BY THE G.C.
- 3/4" EMPTY CONDUIT TO LOCATIONS SHOWN AT THE LOT PERIMETER FOR LOT LIGHTING IS BY THE G.C.
- LIGHTING FIXTURES, BASES, POLES, CONDUIT, AND WIRING ARE BY THE GENERAL CONTRACTOR.
- BASES FOR FLAGPOLES ARE BY THE GENERAL CONTRACTOR. ANCHOR BOLTS ARE BY THE FLAGPOLE SUPPLIER.
- PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AT EXISTING LOT. REFER TO THE BUILDING ELEVATION AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CROUCHING.
- ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE G.C. AT GROUND BREAK.
- FINISH WALK AND CURB ELEVATIONS SHALL BE 1" ABOVE FINISH PAVEMENT.
- ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TOP BE UP TOP OF ALL WALKS AND CURBS. FINISH GRADING, LANDSCAPING, AND SPRINKLER SYSTEMS ARE BY THE OWNER/OPERATOR.
- LOT LIGHTING CONCRETE FOOTINGS TO CONFORM WITH THE SOILS REPORT RECOMMENDATIONS FOR THIS PARTICULAR SITE.
- REFER TO SHEETS C1 THRU C4 FOR ALL APPLICABLE SITE DETAILS.
- PROVIDE WEEDHOLES ON CURBS AT ALL LANDSCAPE AREAS LOCATIONS. COORDINATE WITH M&D'S PROJECT MANAGER.

PAVING SPECIFICATION

REFER TO PAVING DETAILS FOR PAVING SPECIFICATIONS
NOTE: GEN. CON. TO OVERLAY EX. ASPHALT AS NECESSARY

NOTE: McDONALD'S ENGINEER RESERVES THE RIGHT TO REQUEST A COMPACTION TEST AND/OR A CORE SAMPLE. TESTS PRACTICE CORRECT. PER ABOVE SPECIFICATIONS. TESTS WILL BE AT THE EXPENSE OF McDONALD'S. OTHERWISE, G.C. WILL BE CHARGED. NECESSARY.

LOT LIGHTING RECOMMENDATION

SECURITY LIGHTING ASB1000 WATT METAL HALIDE FIXTURE W/ 30 DEGREE TILT ON 22 FOOT POLE 2 FOOT CONCRETE BASE
ASB-AH1000-BT W/ULMP
GEN. CON. TO CORRECT LOCATION OF FIXTURES
[NOTE: ALL LIGHTING SHALL BE GLARE SHIELDED AND NON-DIRECTIONAL TO PREVENT DIRECT ILLUMINATION BEYOND THE PROPERTY LINE.]
NOTE: ELECTRICAL CONTRACTOR TO CIRCUIT LOT LIGHTING AS NOTED.

PARKING INFORMATION

TOTAL SPACES 34	2-HC SPACES	8.0'	X	18.0'	⊗	60 *
	30 SPACES	9.0'	X	18.0'	⊗	60 *
	2 SPACES	9.0'	X	18.0'	⊗	90 *
	- SPACES	-'	X	-'	⊗	- *
	- SPACES	-'	X	-'	⊗	- *

UTILITY INFORMATION

SIZE	TYPE	LOCATION
SANITARY SEWER	EXISTING SANITARY SEWER MANHOLE ON SITE IN WESTERN DRIVEWAY	
WATER	EXISTING WATERLINE RUNNING FROM FRANKLIN ROAD INTO SITE NEAR EAST PROPERTY LINE	
STORM SEWER	NA	
ELECTRIC	EX. OVERHEAD ALONG EAST PROPERTY LINE AND UNDERGROUND SERVICE ALONG EAST PROPERTY LINE	
GAS	EXISTING GASLINE ALONG EAST PROPERTY LINE	

SURVEY INFORMATION

PREPARED BY: BOUNDARY AND TOPOGRAPHIC SURVEY BY: REGIONAL LAND SURVEYORS, INC. 8642 West Market Street Suite 100 Greensboro, North Carolina 27409 TEL.#: (336) 665-8155

PLAN SCALE: AS NOT
