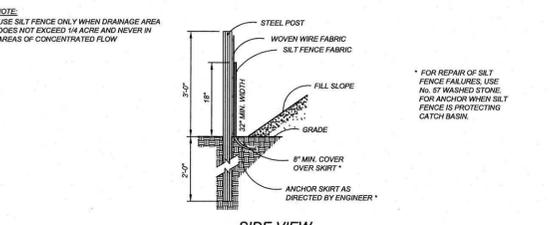


FRONT VIEW

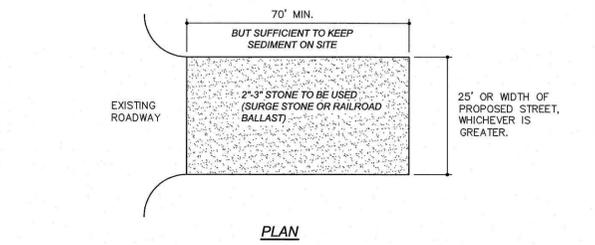


SIDE VIEW

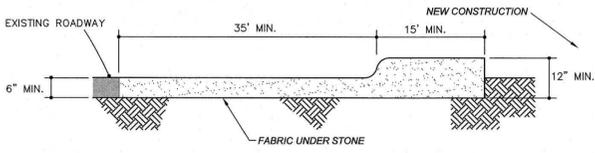
**MAINTENANCE:**  
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. REMOVE SEDIMENT WHEN IT REACHES 1/2 HEIGHT OF THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

**STANDARD TEMPORARY SILT FENCE**

- NOTES:**
1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
  2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.

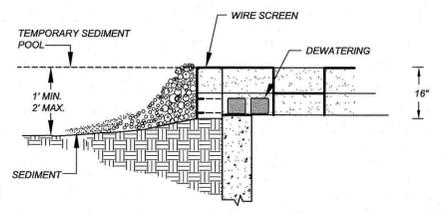
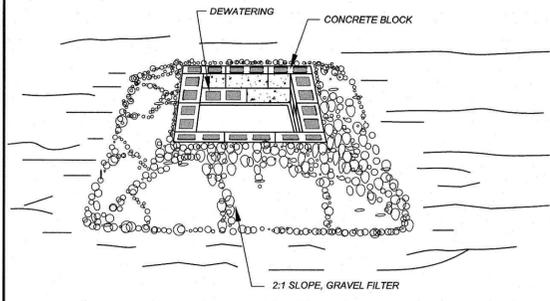


PLAN



CROSS SECTION

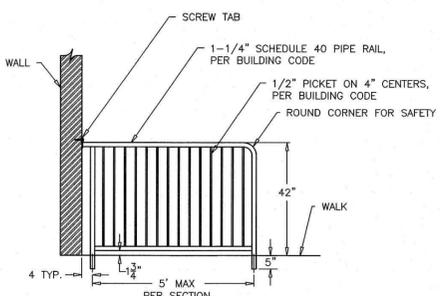
**CONSTRUCTION ENTRANCE**



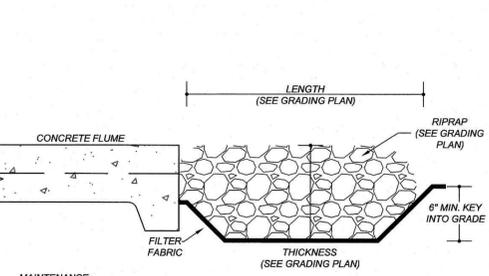
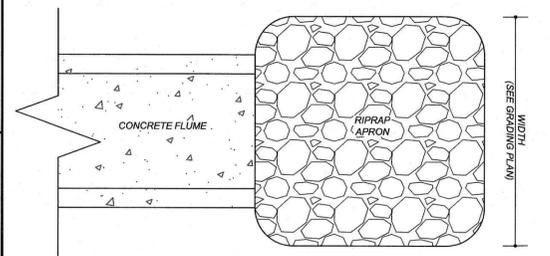
**CONSTRUCTION SPECIFICATIONS**

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW POOL DRAINAGE. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. PLACE THE BOTTOM ROW OF BLOCKS AGAINST THE EDGE OF THE STORM DRAIN FOR LATERAL SUPPORT. AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS, IF NEEDED, GIVE LATERAL SUPPORT TO SUBSEQUENT ROWS BY PLACING 2 X 4 WOOD STUDS THROUGH BLOCK OPENINGS.
2. CAREFULLY FIT HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
3. USE CLEAN GRAVEL, 3/4- TO 1 1/2-INCH IN DIAMETER, PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER AND SMOOTH IT TO AN EVEN GRADE. DOT #57 WASHED STONE IS RECOMMENDED.

**BLOCK AND GRAVEL DROP INLET PROTECTION**



I.M.P. OF A. INC.	
GUARD RAIL EXAMPLES	
PROVIDED BY: DATE: 01/17/13	REVISED BY: SK
INDUSTRIAL METAL PRODUCTS of ARDEN, NC 1-919-244-818	GRE-2

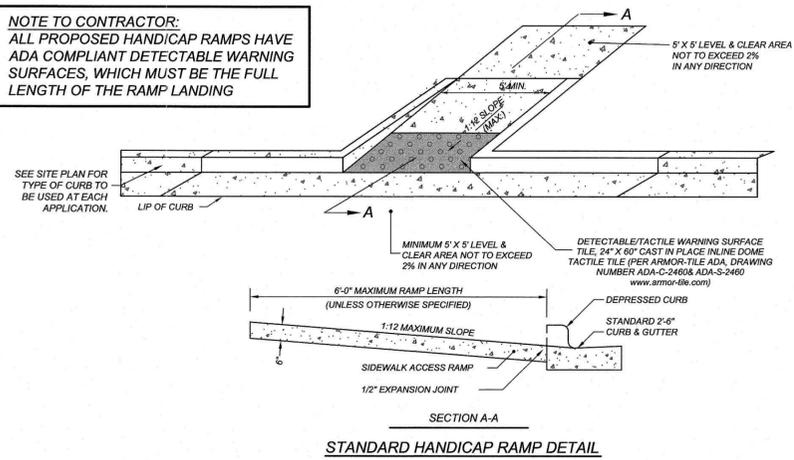


**MAINTENANCE:**

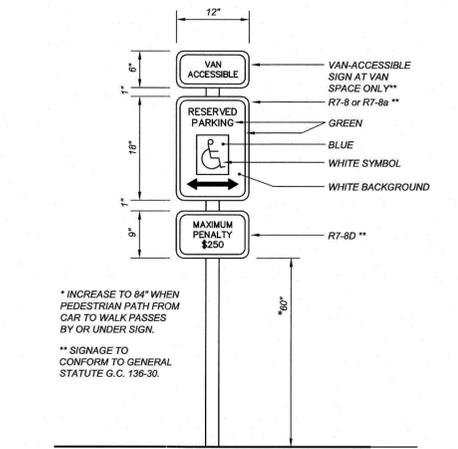
1. INSPECT RIPRAP APRON AT END OF PROJECT.
2. REPLACE ANY MISSING STONE.
3. VERIFY FILTER FABRIC IS UNDER RIPRAP.

**RIPRAP APRON AT FLUME OUTLET (N.T.S.)**

**NOTE TO CONTRACTOR:**  
ALL PROPOSED HANDICAP RAMPS HAVE ADA COMPLIANT DETECTABLE WARNING SURFACES, WHICH MUST BE THE FULL LENGTH OF THE RAMP LANDING

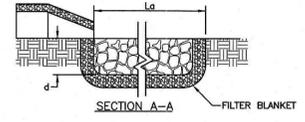
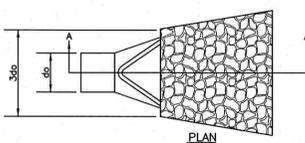


**STANDARD HANDICAP RAMP DETAIL**

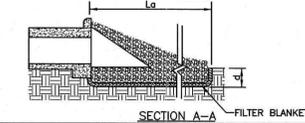
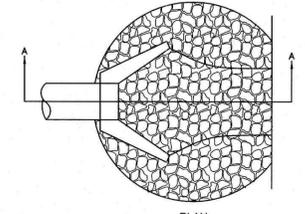


**HANDICAP SIGN DETAIL**

**PIPE OUTLET TO FLAT AREA NO WELL-DEFINED CHANNEL**



**PIPE OUTLET TO WELL DEFINED CHANNEL**



**PIPE OUTLET PROTECTION**

- NOTES:**
1. L<sub>a</sub> IS THE LENGTH OF THE RIPRAP APRON.
  2. d=1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6\".
  3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6\" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOPO OF THE BANK WHICHEVER IS LESS.
  4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.
  5. SEE SCHEDULE FOR RIPRAP SIZE, WIDTH, & LENGTH.

NTS

**PERMANENT SEEDING IN NORTH CAROLINA (TABLE 6.11S)**

SEEDING MIXTURE SPECIES	RATE (lb/acre)
CENTPEDE GRASS	10-20 LB/ACRE (SEED) OR 33 BU/ACRE (SPRIGS)

**SEEDING DATES:**  
MAR - JUNE (SPRIGGING CAN BE DONE THROUGH JULY WHERE WATER IS AVAILABLE FOR IRRIGATION)

**SOIL AMENDMENTS:**  
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 300 LB/ACRE 10-10-10.

**SPRIGGING:**  
PLANT SPRIGS IN FURROWS WITH A TRACTOR-DRAWN TRANSPLANTER OR BROADCAST BY HAND.

FURROWS SHOULD BE 4-6 INCHES DEEP AND 2 FT APART. PLACE SPRIGS ABOUT 2 FT APART IN THE ROW WITH ONE END AT OR ABOVE GROUND LEVEL.

BROADCAST AT RATES SHOWN ABOVE, AND PRESS SPRIGS INTO THE TOP 1/2 - 2 INCHES OF SOIL WITH A DISK SET STRAIGHT SO THAT SPRIGS ARE NOT BROUGHT BACK TOWARD THE SURFACE.

**MULCH:**  
DO NOT MULCH.

**MAINTENANCE:**  
FERTILIZE VERY SPARINGLY - 20 LB/ACRE NITROGEN IN SPRING WITH NO PHOSPHORUS. CENTPEDEGRASS CANNOT TOLERATE HIGH PH OR EXCESS FERTILIZER.

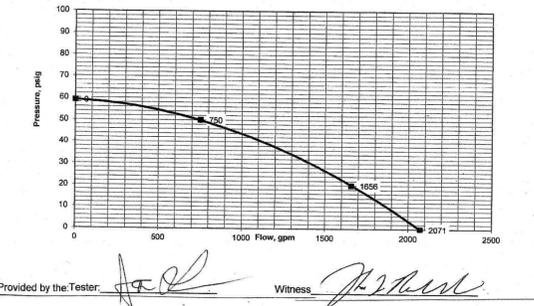
**WATER FLOW TEST REPORT**

Outer Banks Fire Protection Inc.  
2004 S. CROATAN WHY SUITE #5  
KILL DEVIL KILLS, NC 27948  
252-441-9954

HYDRANT # & LOCATION: 2005 S Croatan Hwy KDH NC DATE: 10/10/2002  
TEST BY: OBX Fire Protection Day or Week: Friday TIME OF DAY: 8:30 MIN. OF FLOW: 5  
WATER SUPPLIED BY: Municipal  
PURPOSE OF TEST: Fire Flow design Commercial Site Design

FLOW HYDRANT(S)	DATA		
	A1	A2	A3
SIZE OPENING:	2.5	2.5	
COEFFICIENT:	0.9	0.9	
PITOT READING:	20		
GPM:	750		0
TOTAL FLOW DURING TEST:	750 GPM		
STATIC READING:	50 PSI	RESIDUAL:	50 PSI
RESULTS: AT 20 PSI RESIDUAL:	1656 GPM	AT 0 PSI:	2071 GPM
ESTIMATED CONSUMPTION:	3752 GAL.		

REMARKS:



**24 HOUR CONTACT**  
JOHN ARMFIELD  
CONSTRUCTION MANAGER  
TELEPHONE: (336) 279-3242

**DRAINAGE STRUCTURE NOTES**

1. BOXES SHALL COMPLY WITH LOCAL JURISDICTIONAL STANDARDS AND SPECIFICATIONS.
2. ANY NONSTANDARD BOX IS TO BE DESIGNED BY A PROFESSIONAL ENGINEER.
3. THE MAXIMUM HEIGHT OF AN UN-REINFORCED MASONRY DRAINAGE STRUCTURE WITH 8\" WALLS SHALL BE LIMITED TO 8\" FROM INVERT OF THE OUTLET PIPE TO THE TOP OF THE CASTING. DEPTHS GREATER THAN 8\" SHALL HAVE WALLS 12\" THICK. BASINS OVER 12\" IN TOTAL DEPTH SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER. FOUR INCH WALLS ARE NOT ALLOWED ON DRAINAGE STRUCTURES. BOTTOM SLAB ON STRUCTURES SHALL BE REINFORCED WHEN BOX DEPTHS EXCEEDS 8 FT.
4. STEPS ARE TO BE PROVIDED ON ALL BASINS DEEPER THAN 42\".
5. STEPS ARE TO BE PSI-PF AS MANUFACTURED BY M.A. INDUSTRIES OR AN APPROVED EQUAL. LOCATE ON NON-PIPE WALLS.
6. MORTAR IN MASONRY BOXES IS TO BE TYPE M.
7. CLAY BRICK STRUCTURES ARE NOT ALLOWED.
8. CONCRETE PIPE IS TO BE MINIMUM CLASS III.
9. CONCRETE BUILDING BRICK IS TO MEET ASTM C-55, GRADE N, TYPE 1.
10. BASINS LOCATED IN WET AREAS, OR AS OTHERWISE REQUIRED BY THE TOWN ENGINEER, SHALL HAVE WEEP HOLES AS SHOWN ON DETAILS.
11. ALL CAST-IN-PLACE PRECAST CONCRETE DRAINAGE STRUCTURES LOCATED IN PAVED AREAS ACCESSIBLE TO TRUCK LOADINGS TO BE DESIGNED TO MEET AASHTO HS 20-44 LOADING. SEE MANUFACTURERS DETAILS FOR WALL, TOP AND BOTTOM THICKNESS.



Know what's below.  
Call before you dig.  
nc811.org or 1-800-632-4949

REVISIONS	TOWN COMMENTS	DATE	DESCRIPTION
1		10-26-20	

**COMMERCIAL SITE DESIGN**

CLIENT/TOWN: COOK OUT, 15 LAURA LANE, SUITE 300, THOMASVILLE, NC 27360, TELEPHONE: (336) 215-7025, FAX: (336) 474-1849

8879 CREEKMOOR ROAD, RALEIGH, NORTH CAROLINA 27615

**COOKOUT FRESH HAMBURGERS**

2005 S CROATAN HIGHWAY  
KILL DEVIL HILLS, NORTH CAROLINA

PROJECT NO:	OUT-2022
FILENAME:	OUT2022-DTL2
DRAWN BY:	DDH
SCALE:	N.T.S.
DATE:	09-04-2020
SHEET NO:	C-6