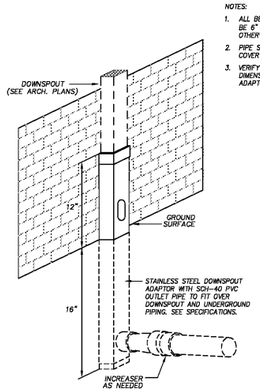
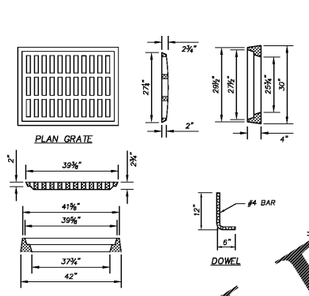
Order Plans @ www.LDLine.com

NOTES:
1. ALL BELOW GRADE ROOF DRAINAGE PIPING SHALL BE 6" PVC @ 1.04% MIN. SLOPE UNLESS NOTED OTHERWISE.
2. PIPE SHALL BE DIP WHEN LESS THAN 24-IN OF COVER IS PROVIDED.
3. VERIFY DOWNSPOUT DIMENSIONS MATCH SHOE DIMENSIONS PRIOR TO ORDERING OR INSTALLING ADAPTOR.



DOWNSPOUT CONNECTION N.T.S.



DIMENSIONS FOR INLET			
DIMENSIONS OF BOX		PIPE	
SPAN	WIDTH		HEIGHT
D			H
12"	1'-0"	2'-0"	2'-8"
18"			3'-0"
24"			3'-5"
30"	3'-0"	2'-0"	4'-0"
			4'-3"

DIMENSIONS FOR CHANNELS			
NO.	SIZE	LENGTH	TOTAL LIN. FT.
2	3"x4.1"	4'-0"	8'-0"
2	3"x4.1"	2'-6"	5'-0"

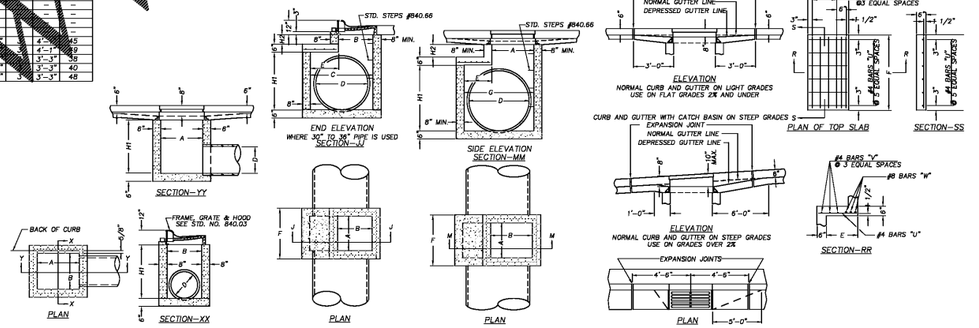
GENERAL NOTES:
1. 3,000-psi CONCRETE TO BE USED THROUGHOUT.
2. OPTIONAL CONSTRUCTION – MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTER, AS DIRECTED BY THE DESIGNER.
3. TWO 2" PIPE WEEP HOLES TO BE PLACED AS DIRECTED BY DESIGNER.
4. FORMS ARE TO BE USED FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
5. IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OF BOX, ADD TO BASE AS SHOWN ON N.C.D.O.T. STANDARD 840.00.
6. A STONE DRAIN CONSISTING OF 1 CUBIC FOOT OF NO. 78M STONE CONTAINED IN A BAG OF POROUS FABRIC SHALL BE PLACED AT EACH WEEP HOLE.
7. ALL DROP INLETS OVER 3'-6" IN DEPTH TO BE PROVIDED WITH STEPS 1'-2" ON CENTERS. STEPS SHALL BE IN ACCORDANCE WITH N.C.D.O.T. STANDARD 840.66.

DROP INLET N.T.S.

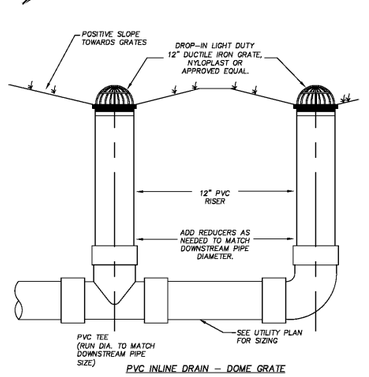
MINIMUM DIMENSIONS AND QUANTITIES FOR BRICK CATCH BASIN

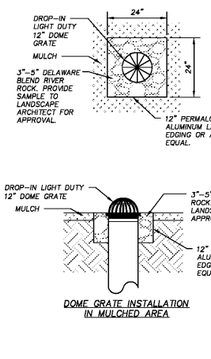
DIMENSIONS OF BOX AND PIPE							COVER DIMENSION		BARS-U		BARS-V		BARS-W		TOTAL
PIPE	SPAN	WIDTH	WIDTH	SPAN	HEIGHT	HEIGHT									
D	A	B	C	G	MIN H1	H2	E	F	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	LBS.
12"	3'-0"	2'-2"	–	–	2'-3"	–	–	–	–	–	–	–	–	–	–
15"	3'-0"	2'-2"	–	–	2'-6"	–	–	–	–	–	–	–	–	–	–
18"			–	–	2'-10"	–	–	–	–	–	–	–	–	–	–
24"			–	–	3'-2"	–	–	–	–	–	–	–	–	–	–
30"		3'-4"	–	–	3'-4"		1'-10"	4'-4"	4	4'-6"	3	4'-6"	3	4'-6"	45
36"		3'-10"	–	–	3'-8"		2'-4"	4'-4"	4	4'-6"	4	4'-6"	4	4'-1"	69
42"			–	4'-5"	4'-4"	VAR.	2'-1"	3'-8"	4	1'-6"	3	3'-3"	3	3'-3"	56
48"			–	5'-0"	4'-10"		2'-8"	4'-0"	4	2'-6"	4	3'-3"	4	3'-3"	40
54"	3'-0"	2'-2"	–	5'-7"	5'-4"		3'-3"	3'-3"	4	3'-3"	6	3'-3"	3	3'-3"	48

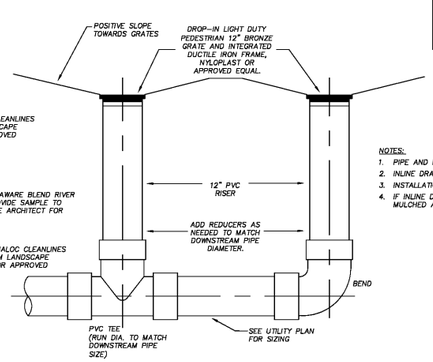
GENERAL NOTES:
1. MORTAR JOINTS 1/2" TO 1/8" THICK.
2. CLASS "B" CONCRETE TO BE USED THROUGHOUT.
3. THE POURING OF FLOOR SLAB TO BE ACCOMPLISHED BY FORMING.
4. DEDUCT FOR PIPE(S) FROM TOTAL CU. YARDS OF BRICK MASONRY.
5. ALL CATCH BASINS OVER 4'-0" IN DEPTH TO BE PROVIDED WITH STEPS 1'-2" ON CENTER. STEPS SHALL BE IN ACCORDANCE WITH STD. NO. 840.66.
6. USE TYPE "L" CURB AND "S" GRATE UNLESS OTHERWISE INDICATED.
7. JUMBO BRICK MAY BE SUBMITTED AS ALTERNATE BRICK OR 4" SOLID CONCRETE BLOCKS MAY BE USED INSTEAD OF CLAY BRICK.
8. IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OR BOX, ADD TO BASE AS SHOWN ON NCDOT STD. NO. 840.00.
9. FOR 8'-0" IN HEIGHT OR LESS, USE 8" WALLS. OVER 8'-0" IN HIGHT, USE 12" WALL TO 8'-0" FROM TOP OF FOUNDATION WALL FOR THE REMAINING 6'-0". QUANTITIES TO BE ADJUSTED ACCORDINGLY.

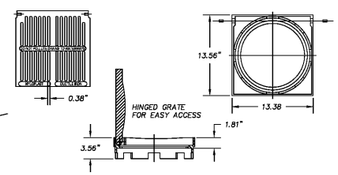


CATCH BASIN N.T.S.









NOTES:
1. PIPE AND FITTINGS SHALL BE PVC, SMOOTH INTERIOR AND EXTERIOR.
2. INLINE DRAINS SHALL BE AS MANUFACTURED BY ADS, INC. OR APPROVED EQUAL.
3. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
4. IF INLINE DRAIN IS IN PAVED OR SODDED AREAS USE FLAT GRATE. IF INLINE DRAIN IS IN MULCHED AREAS USE DOME GRATE.

INLINE DRAIN DETAIL N.T.S.

CLH DESIGN, P.A.
400 Regency Forest Drive
Suite 120
Cary, North Carolina 27518
Phone: (919)319-6716
Fax: (919)319-7516
LA: C-106, PE: C-1695

adwarchitects
environments for life
architecture planning interiors
2815 COLISEUM CENTRE DRIVE
SUITE 500
CHARLOTTE, NORTH CAROLINA 28217
P704.379.1919
F704.379.1920
www.adwarchitects.com

POLICE ABERDEEN DEPT.

TOWN OF ABERDEEN EST. 1893

RENOVATION AND ADDITION

ABERDEEN POLICE DEPARTMENT

ABERDEEN, NORTH CAROLINA

SITE DETAILS

DATE: 12.20.2019
PROJECT NO: 18062

REVISIONS
NO: DATE: DESCRIPTION:

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