

Initial Application Date: M-1-13

SFD

Application # 1350032408

CU# _____

COUNTY OF HARNETT RESIDENTIAL LAND USE APPLICATION

Central Permitting 108 E. Front Street, Lillington, NC 27546 Phone: (910) 893-7525 ext:2 Fax: (910) 893-2793 www.harnett.org/permits

****A RECORDED SURVEY MAP, RECORDED DEED (OR OFFER TO PURCHASE) & SITE PLAN ARE REQUIRED WHEN SUBMITTING A LAND USE APPLICATION****

LANDOWNER: Phillip L & Susan G. Williams Mailing Address: 102 Kensington Hill Way
City: Cary State: NC Zip: 27518 Contact No: 919-906-4425 Email: sgwdesigns@nc.rr.com

APPLICANT*: same Mailing Address: _____
City: _____ State: _____ Zip: _____ Contact No: _____ Email: _____

*Please fill out applicant information if different than landowner

CONTACT NAME APPLYING IN OFFICE: _____ Phone # _____

PROPERTY LOCATION: Subdivision: Fieldstone Farms Lot #: 15 Lot Size: 6.83 acres
State Road # 305 State Road Name: Fieldstone Dr. Map Book & Page: 2007-978
Parcel: 05 0635 0658 17 PIN: 0635-09-5351-000
Zoning: R30 Flood Zone: X Watershed: NA Deed Book & Page: 3132 1531 Power Company*: _____

*New structures with Progress Energy as service provider need to supply premise number _____ from Progress Energy.

PROPOSED USE: Box Size (89 x 70) House will fit in box

SFD: (Size 135 x 90) # Bedrooms: 3 # Baths: 3.5 Basement(w/wo bath): Garage: Deck: Crawl Space: _____ Slab: _____ Slab: _____
(Is the bonus room finished? () yes () no w/ a closet? () yes () no (if yes add in with # bedrooms))

Mod: (Size _____ x _____) # Bedrooms _____ # Baths _____ Basement (w/wo bath) _____ Garage: _____ Site Built Deck: _____ On Frame _____ Off Frame _____
(Is the second floor finished? () yes () no Any other site built additions? () yes () no

Manufactured Home: _____ SW _____ DW _____ TW (Size _____ x _____) # Bedrooms: _____ Garage: _____ (site built?) Deck: _____ (site built?)

Duplex: (Size _____ x _____) No. Buildings: _____ No. Bedrooms Per Unit: _____

Home Occupation: # Rooms: _____ Use: _____ Hours of Operation: _____ #Employees: _____

Addition/Accessory/Other: (Size 90 x 64) Use: garage Closets in addition? () yes (X) no

Water Supply: County _____ Existing Well _____ New Well (# of dwellings using well _____) *Must have operable water before final

Sewage Supply: New Septic Tank (Complete Checklist) _____ Existing Septic Tank (Complete Checklist) _____ County Sewer

Does owner of this tract of land, own land that contains a manufactured home within five hundred feet (500') of tract listed above? () yes (X) no

Does the property contain any easements whether underground or overhead (X) yes () no shown on survey

Structures (existing or proposed): Single family dwellings: _____ Manufactured Homes: _____ Other (specify): _____

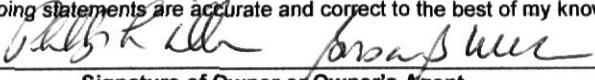
Required Residential Property Line Setbacks:

Front	Minimum	<u>35'</u>	Actual	<u>380'</u>
Rear		<u>25'</u>		<u>~500'</u>
Closest Side		<u>10'</u>		<u>40'</u>
Sidestreet/corner lot		<u>20'</u>		<u>n/a</u>
Nearest Building on same lot		<u>n/a</u>		<u>100'</u>

Comments: Ref # 1350032409
Det Garage

SPECIFIC DIRECTIONS TO THE PROPERTY FROM LILLINGTON: _____

If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted. I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information is provided.



Signature of Owner or Owner's Agent

11/1/13

Date

It is the owner/applicants responsibility to provide the county with any applicable information about the subject property, including but not limited to: boundary information, house location, underground or overhead easements, etc. The county or its employees are not responsible for any incorrect or missing information that is contained within these applications.

This application expires 6 months from the initial date if permits have not been issued



A 108 E Front St, Lillington, NC 27546

B 305 Fieldstone Dr, Holly Springs, NC 27540

Route: **17.4 mi, 30 min**

My Notes

On the go? Use **m.bing.com** to find maps, directions, businesses, and more

A	108 E Front St, Lillington, NC 27546	A-B: 17.4 mi 30 min
	1. Depart E Front St toward 1st St / S 1st St	509 ft
	2. Turn right onto US-401 / US-421 / NC-27 / NC-210 / S Main St	0.2 mi
	3. Bear right onto US-401 N / US-421 N / NC-27 E / NC-210 E / S Main St	479 ft
	4. Road name changes to US-401 N / US-421 S / NC-27 E / NC-210 E / S Main St	121 ft
	5. Keep straight onto US-401 N / US-421 N / NC-27 E / NC-210 E / S Main St	0.7 mi
	6. Bear right onto US-401 / US-421 / NC-27 / NC-210 / N Main St	0.4 mi
	7. Bear right onto US-401 N / US-421 N / NC-27 E / NC-210 E / N Main St	0.2 mi
	8. Turn left onto US-401 / W Cornelius Harnett Blvd <i>KFC on the corner</i>	9.5 mi
	9. Turn left onto Piney Grove Rawls Rd	1.2 mi
	10. Road name changes to Piney Grove Wilbon Rd	1.5 mi
	11. Turn left onto NC-42 / W Academy St	3.1 mi
	12. Turn left onto Wade Stephenson Rd	0.3 mi
	13. Turn right onto Fieldstone Dr	466 ft
B	14. Arrive at 305 Fieldstone Dr, Holly Springs, NC 27540	

These directions are subject to the Microsoft® Service Agreement and for informational purposes only. No guarantee is made regarding their completeness or accuracy. Construction projects, traffic, or other events may cause actual conditions to differ from these results. Map and traffic data © 2010 NAVTEQ™.

135 x 90
90 x 64
L6
EIP
MNS
IPS
R/W
MP

SITE PLAN APPROVAL

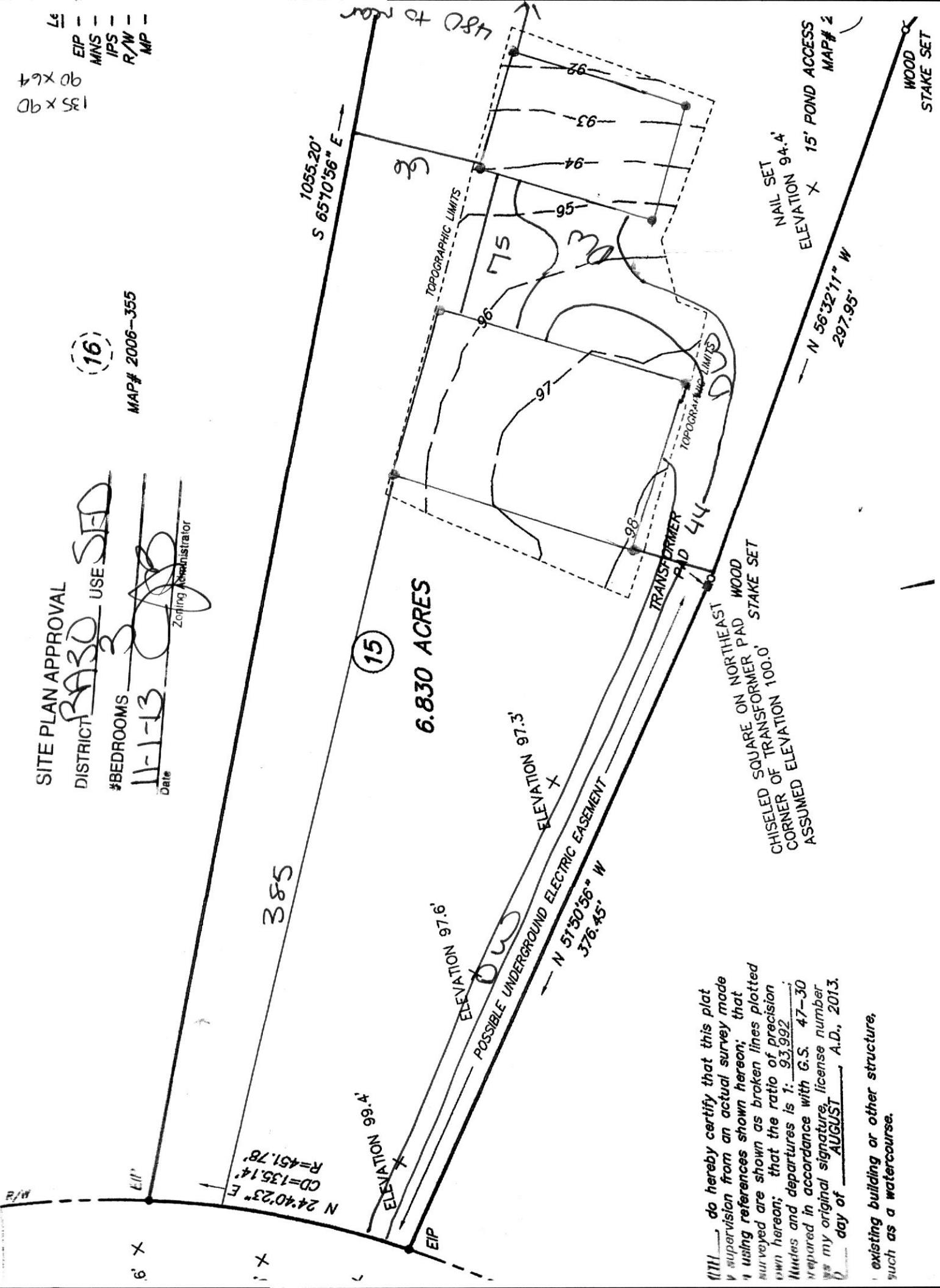
DISTRICT R-30 USE SED

#BEDROOMS 3

Date 11-1-13
Zoning Administrator [Signature]

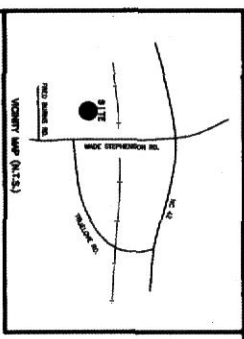
16

MAP# 2006-355



I, [Signature], do hereby certify that this plat was prepared under my supervision from an actual survey made by me or a duly licensed surveyor; that the bearings and distances shown hereon are shown as broken lines plotted from the actual survey; that the ratio of precision is 1: 93,992; that the bearings and departures are in accordance with G.S. 47-30 and were prepared in accordance with G.S. 47-30; that my original signature, license number [Number], and the day of AUGUST, A.D., 2013, are true and correct.

existing building or other structure, such as a watercourse.



STATE OF NORTH CAROLINA
 COUNTY OF HARRIETT
 TOWNSHIP OF BUCKHORN
 MAP # 2007-978

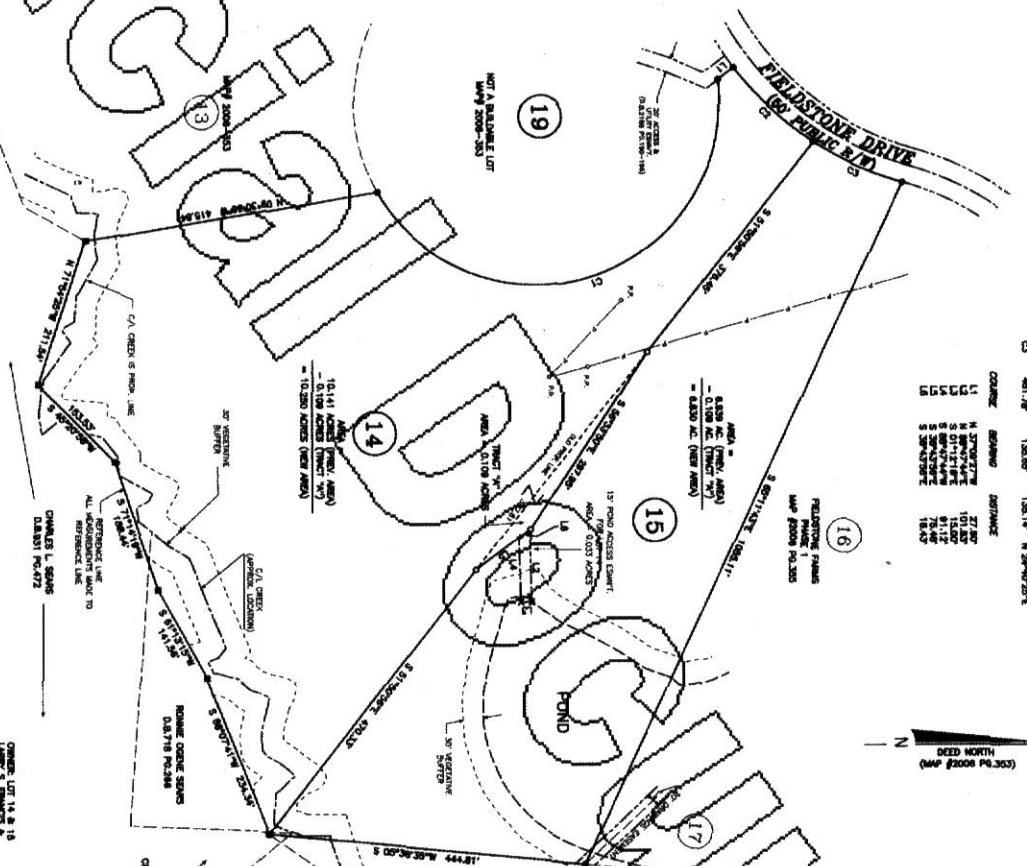


STATE OF NORTH CAROLINA
 COUNTY OF HARRIETT
 TOWNSHIP OF BUCKHORN
 MAP # 2007-978
 DATE: 10/22/07

STATE OF NORTH CAROLINA
 COUNTY OF HARRIETT
 TOWNSHIP OF BUCKHORN
 MAP # 2007-978
 DATE: 10/22/07

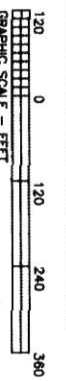
STATE OF NORTH CAROLINA
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STATE OF NORTH CAROLINA
 COUNTY OF HARRIETT
 TOWNSHIP OF BUCKHORN
 MAP # 2007-978
 DATE: 10/22/07



LINE NUMBER	LENGTH	BEARING	ADJACENT PROPERTY
1	120.00	S 89° 15' 00" W	LOT 19
2	120.00	S 89° 15' 00" W	LOT 19
3	120.00	S 89° 15' 00" W	LOT 19
4	120.00	S 89° 15' 00" W	LOT 19
5	120.00	S 89° 15' 00" W	LOT 19
6	120.00	S 89° 15' 00" W	LOT 19
7	120.00	S 89° 15' 00" W	LOT 19
8	120.00	S 89° 15' 00" W	LOT 19
9	120.00	S 89° 15' 00" W	LOT 19
10	120.00	S 89° 15' 00" W	LOT 19
11	120.00	S 89° 15' 00" W	LOT 19
12	120.00	S 89° 15' 00" W	LOT 19
13	120.00	S 89° 15' 00" W	LOT 19
14	120.00	S 89° 15' 00" W	LOT 19
15	120.00	S 89° 15' 00" W	LOT 19
16	120.00	S 89° 15' 00" W	LOT 19
17	120.00	S 89° 15' 00" W	LOT 19
18	120.00	S 89° 15' 00" W	LOT 19
19	120.00	S 89° 15' 00" W	LOT 19

NOTES:
 (1) THE PROPERTY SHOWN HEREON IS SUBJECT TO
 (2) ALL RECORDS AND RECORDS ON FILE IN THE
 (3) OFFICE OF THE COUNTY CLERK OF HARRIETT COUNTY,
 (4) NORTH CAROLINA.
 (5) THE SURVEYOR HAS CONDUCTED A VISUAL
 (6) INSPECTION OF THE PROPERTY AND HAS FOUND
 (7) NO DISCREPANCIES.
 (8) THE SURVEYOR HAS CONDUCTED A VISUAL
 (9) INSPECTION OF THE PROPERTY AND HAS FOUND
 (10) NO DISCREPANCIES.



**RECOMBINATION MAP OF:
 FIELDSTONE FARMS SUBDIVISION
 LOTS 14 & 15**

BUCKHORN TOWNSHIP, HARRIETT COUNTY, NORTH CAROLINA
 SCALE 1" = 120' OCTOBER 22, 2007

MAILED IN - WATER SURVEYING, P.A.
 P.O. BOX 444 / 1201 N. BRADY ST.
 NORTH CAROLINA 27588
 (919) 882-9884

Map # 2007-978

NAME: _____

APPLICATION #: _____

This application to be filled out when applying for a septic system inspection.

County Health Department Application for Improvement Permit and/or Authorization to Construct

IF THE INFORMATION IN THIS APPLICATION IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THEN THE IMPROVEMENT PERMIT OR AUTHORIZATION TO CONSTRUCT SHALL BECOME INVALID. The permit is valid for either 60 months or without expiration depending upon documentation submitted. (Complete site plan = 60 months; Complete plat = without expiration)

910-893-7525 option 1

CONFIRMATION # _____

Environmental Health New Septic System Code 800

- **All property irons must be made visible.** Place "pink property flags" on each corner iron of lot. All property lines must be clearly flagged approximately every 50 feet between corners.
- Place "orange house corner flags" at each corner of the proposed structure. Also flag driveways, garages, decks, out buildings, swimming pools, etc. Place flags per site plan developed at/for Central Permitting.
- Place orange Environmental Health card in location that is easily viewed from road to assist in locating property.
- If property is thickly wooded, Environmental Health requires that you clean out the **undergrowth** to allow the soil evaluation to be performed. Inspectors should be able to walk freely around site. **Do not grade property.**
- **All lots to be addressed within 10 business days after confirmation. \$25.00 return trip fee may be incurred for failure to uncover outlet lid, mark house corners and property lines, etc. once lot confirmed ready.**
- After preparing proposed site call the voice permitting system at 910-893-7525 option 1 to schedule and use code **800** (after selecting notification permit if multiple permits exist) for Environmental Health inspection. Please note confirmation number given at end of recording for proof of request.
- Use Click2Gov or IVR to verify results. Once approved, proceed to Central Permitting for permits.

Environmental Health Existing Tank Inspections Code 800

- Follow above instructions for placing flags and card on property.
- Prepare for inspection by removing soil over **outlet end** of tank as diagram indicates, and lift lid straight up (*if possible*) and then **put lid back in place.** (Unless inspection is for a septic tank in a mobile home park)
- **DO NOT LEAVE LIDS OFF OF SEPTIC TANK**
- After uncovering **outlet end** call the voice permitting system at 910-893-7525 option 1 & select notification permit if multiple permits, then use code **800** for Environmental Health inspection. Please note confirmation number given at end of recording for proof of request.
- Use Click2Gov or IVR to hear results. Once approved, proceed to Central Permitting for remaining permits.

SEPTIC

If applying for authorization to construct please indicate desired system type(s): can be ranked in order of preference, must choose one.

- { } Accepted { } Innovative { } Conventional { } Any
 { } Alternative { } Other _____

The applicant shall notify the local health department upon submittal of this application if any of the following apply to the property in question. If the answer is "yes", applicant **MUST ATTACH SUPPORTING DOCUMENTATION**:

- { } YES { } NO Does the site contain any Jurisdictional Wetlands?
 { } YES { } NO Do you plan to have an irrigation system now or in the future?
 { } YES { } NO Does or will the building contain any drains? Please explain. _____
 { } YES { } NO Are there any existing wells, springs, waterlines or Wastewater Systems on this property?
 { } YES { } NO Is any wastewater going to be generated on the site other than domestic sewage?
 { } YES { } NO Is the site subject to approval by any other Public Agency?
 { } YES { } NO Are there any Easements or Right of Ways on this property? *shown on survey*
 { } YES { } NO Does the site contain any existing water, cable, phone or underground electric lines?

If yes please call No Cuts at 800-632-4949 to locate the lines. This is a free service.

I Have Read This Application And Certify That The Information Provided Herein Is True, Complete And Correct. Authorized County And State Officials Are Granted Right Of Entry To Conduct Necessary Inspections To Determine Compliance With Applicable Laws And Rules. I Understand That I Am Solely Responsible For The Proper Identification And Labeling Of All Property Lines And Corners And Making The Site Accessible So That A Complete Site Evaluation Can Be Performed.

[Handwritten Signature]
PROPERTY OWNERS OR OWNERS LEGAL REPRESENTATIVE SIGNATURE (REQUIRED)

11/1/13
DATE

Harnett County Central Permitting
PO Box 65 Lillington NC 27546
910 893 7525 Fax 910 893 2793 www.harnett.org/permits

1350032408 (SFD)
1350032409 (Garage)

Each section below to be filled out by whomever performing work. Must be owner or licensed contractor. Address company name & phone must match.

Application for Residential Building and Trades Permit

Owner's Name PHIL AND SUSAN WILLIAMS Date 1-30-14

Site Address 305 Fieldstone Drive, Holly Springs Phone (919) 858-8383

Directions to job site from Lillington MAIN ST D 401-SOUTH / AT FURQUAN TURN LEFT ONTO HWY 42 (NBT ACADEMY ST) / LEFT ONTO WADE STEPHENSON RD / LEFT ONTO FIELDSTONE RD - LOT 15 IS ON THE LEFT

Subdivision FIELDSTONE Lot 15

Description of Proposed Work New single family dwelling # of Bedrooms _____

Heated SF _____ Unheated SF _____ Finished Bonus Room? Crawl Space Slab _____ (Basement)

General Contractor Information

Upright Builders Inc.
Building Contractor's Company Name
590 New Waverly Place Cary, NC 27518
Address
25306
License # _____

(919) 858-8383
Telephone
wcarroll@uprightbuilders.com
Email Address

Electrical Contractor Information

Description of Work New single family dwelling Service Size _____ Amps T-Pole Yes No
Carolina Current
Electrical Contractor's Company Name
2420 Thurrock Drive Apex, NC 27539
Address
16002 I
License # _____

(919) 851-4400
Telephone
carolina.current@gmail.com
Email Address

Mechanical/HVAC Contractor Information

Description of Work New single family dwelling
Air System Services
Mechanical Contractor's Company Name
2849 Smithfield Road Knightdale, NC 27545
Address
14737
License # _____

(919) 266-5755
Telephone
m.pair@air-system-services.com
Email Address

Plumbing Contractor Information

Description of Work New single family dwelling # Baths _____
American Plumbing
Plumbing Contractor's Company Name
3716 Auburn Church Road Garner, NC 27529
Address
13228
License # _____

(919) 772-1346
Telephone
val@amplumbing@bellsouth.net
Email Address

Insulation Contractor Information

Smith Insulation, Inc.
Insulation Contractor's Company Name & Address

(919) 727-8557
Telephone

I hereby certify that I have the authority to make necessary application that the application is correct and that-the construction will conform to the regulations in the Building Electrical Plumbing and Mechanical codes and the Harnett County Zoning Ordinance I state the information on the above contractors is correct as known to me and that **by signing below I have obtained all subcontractors permission to obtain these permits** and if **any** changes occur including listed contractors site plan number of bedrooms building and trade plans Environmental Health permit changes or proposed use changes I certify it is my responsibility to notify the Harnett County Central Permitting Department of any and all changes

EXPIRED PERMIT FEES - 6 Months to 2 years permit re-issue fee is \$150 00 After 2 years re-issue fee is as per current fee schedule

S.W. [Signature] Pres.
Signature of Owner/Contractor/Officer(s) of Corporation

01/30/14
Date

Affidavit for Worker's Compensation N C G S 87-14

The undersigned applicant being the

General Contractor Owner Officer/Agent of the Contractor or Owner

Do hereby confirm under penalties of perjury that the person(s) firm(s) or corporation(s) performing the work set forth in the permit

Has three (3) or more employees and has obtained workers compensation insurance to cover them

Has one (1) or more subcontractors(s) and has obtained workers compensation insurance to cover them

Has one (1) or more subcontractors(s) who has their own policy of workers compensation insurance covering themselves

Has no more than two (2) employees and no subcontractors

While working on the project for which this permit is sought it is understood that the Central Permitting Department issuing the permit may require certificates of coverage of worker s compensation insurance prior to issuance of the permit and at any time during the permitted work from any person firm or corporation carrying out the work

Company or Name UPRIGHT BUILDERS, INC.

Sign w/Title S.W. [Signature] Date 01/30/14

HARNETT COUNTY CENTRAL PERMITTING

P.O. BOX 65

LILLINGTON, NC 27546

For Inspections Call: (910) 893-7525 Fax: (910) 893-2793

Bldg Insp scheduled before 2pm available next business day.

Application Number	13-50032408	Date	3/10/14
Property Address	305 FIELDSTONE DR		
PARCEL NUMBER	05-0635- - -0058- -17-		
Application type description	CP NEW RESIDENTIAL (SFD)		
Subdivision Name	FIELDSTONE FARMS		
Property Zoning	RES/AGRI DIST - RA-40		

Owner

WILLIAMS PHILLIP L & SUSAN
102 KENSINGTON HILL WAY
CARY NC 27518

Contractor

UPRIGHT BUILDERS
590 NEW WAVERLY PLACE STE 140
CARY NC 27518
(919) 858-8383

Applicant

WILLIAMS PHILLIP L & SUSAN G
102 KENSINGTON HILL WAY
CARY NC 27518
(919) 906-4425

--- Structure Information 000 000 135X90 3BDR BASEMENT W/ GARAGE

Flood Zone	FLOOD ZONE X	
Other struct info	# BEDROOMS	3000000.00
	PROPOSED USE	SFD
	SEPTIC - EXISTING?	NEW TANK
	WATER SUPPLY	COUNTY

Permit	BLDG,MECH,ELEC,PLB,INSU PERMIT		
Additional desc			
Phone Access Code	1020825		
Issue Date	3/10/14	Valuation	0
Expiration Date	3/10/15		

Special Notes and Comments

T/S: 11/01/2013 09:27 AM JBROCK ----
401 N L ON PINEY GROVE RD NC 42 L ONTO
WADE STEPHENSON RD R FIELDSTONE RD TO
305 FIELDSTONE DR LOT 15
XX
PERMIT INCLUDES BLDG,ELEC,MECH,PLUMB
INSULATION AND LAND USE.
XX
Work must conform and comply with the
STATE BUILDING CODE and all other State
and local laws, ordinances & regulations

HARNETT COUNTY CENTRAL PERMITTING

P.O. BOX 65

LILLINGTON, NC 27546

For Inspections Call: (910) 893-7525 Fax: (910) 893-2793

Bldg Insp scheduled before 2pm available next business day.

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Application description	CP NEW RESIDENTIAL (SFD)		
Subdivision Name	FIELDSTONE FARMS		
Property Zoning	RES/AGRI DIST - RA-40		
Permit	BLDG, MECH, ELEC, PLB, INSU PERMIT		
Additional desc			
Phone Access Code	1020825		

Required Inspections

Seq	Phone Insp#	Insp Code	Description	Initials	Date
10	101	B101	R*BLDG FOOTING / TEMP SVC POLE		/ /
20	103	B103	R*BLDG FOUND & TEMP SVC POLE		/ /
20-999	113	B113	R*BLDG WATER/DAMP PROOFING		/ /
20-30	814	A814	ADDRESS CONFIRMATION		/ /
30-999	111	B111	R*BLDG SLAB INSP/TEMP SVC POLE		/ /
30-999	105	B105	R*OPEN FLOOR		/ /
30-999	309	P309	R*PLUMB UNDER SLAB		/ /
30-999	205	E205	R*ELEC UNDER SLAB		/ /
40-50	129	I129	R*INSULATION INSPECTION		/ /
40-60	425	R425	FOUR TRADE ROUGH IN		/ /
40-60	125	R125	ONE TRADE ROUGH IN		/ /
40-60	325	R325	THREE TRADE ROUGH IN		/ /
40-60	225	R225	TWO TRADE ROUGH IN		/ /
50-60	429	R429	FOUR TRADE FINAL		/ /
50-60	131	R131	ONE TRADE FINAL		/ /
50-60	329	R329	THREE TRADE FINAL		/ /
50-60	229	R229	TWO TRADE FINAL		/ /
999		H824	ENVIR. OPERATIONS PERMIT		/ /

DO NOT REMOVE!

Details: Appointment of Lien Agent
Entry #: 98463

Filed on: 02/17/2014
Initially filed by: uprightbuilders

Designated Lien Agent

Investors Title Insurance Company

Online: www.itiinc.com

Address: 19 W. Hargett St., Suite 507 / Raleigh, NC 27601

Phone: 888-690-7384

Fax: 919-489-5231

Email: suzanne@itiinc.com

Project Property

Lot 15 Fieldstone
305 Fieldstone Drive
Holly Springs, NC 27540
Harnett County

Property Type

1-2 Family Dwelling

Date of First Furnishing

02/18/2014

Owner Information

Phil Williams
102 Kensington Hill Way
Cary, NC 27518
United States
Email: phil@uprightbuilders.com
Phone: 919-851-3343

Print & Post



Contractors:
Please post this notice on the Job Site.

Suppliers and Subcontractors:
Scan this image with your smart phone to view this filing. You can then file a Notice to Lien Agent for this project.

View Comments (0)

Technical Support Hotline: (888) 690-7384

13 - 5 - 32408
32409

ADDRESS : 305 FIELDSTONE DR SUBDIV: FIELDSTONE FARMS
 CONTRACTOR : UPRIGHT BUILDERS PHONE : (919) 858-8383
 OWNER : WILLIAMS PHILLIP L & SUSAN PHONE :
 PARCEL : 05-0635- - -0058- -17-
 APPL NUMBER: 13-50032408 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 11/01/2013 09:27 AM JBROCK ----
 401 N L ON PINEY GROVE RD NC 42 L ONTO
 WADE STEPHENSON RD R FIELDSTONE RD TO
 305 FIELDSTONE DR LOT 15
 LAND NOTES : LXMN 8/02/05 SPLIT FROM THE MAIN PARCEL
 NOTE: ALLOWABLE IMPERVIOUS SURFACE
 COVERAGE PER LOT IS 12%

STRUCTURE: 000 000 135X90 3BDR BASEMENT W/ GARAGE
 FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 3000000.00 PROPOSED USE : SFD
 SEPTIC - EXISTING? : NEW TANK WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	3/17/14	DT	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002503498
	3/17/14	AP	T/S: 03/17/2014 12:14 PM DETAYLOR -----
B103 01	4/09/14	BS	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002513570
	4/09/14	AP	T/S: 04/08/2014 03:24 PM VBROWN ----- T/S: April 09, 2014 10:24 AM BSUTTON ----- Engineer needs to address the following before pour- Section of wall that has less than 2 " projection on interior side of garage. 2. Verify how fireplace is to be built off of basement wall (interior of wall is hollow) 3. Verify ok to pour front porch walls seperately. Once letter is recieved if all is good, ok to pour
A814 01	4/10/14	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002513588
	4/16/14	AP	305 FIELDSTONE DR HOLLY SPRINGS 27540 T/S: 04/16/2014 01:38 PM TWARD -----
B113 01	5/05/14	BS	R*BLDG WATER/DAMP PROOFING VRU #: 002523116
	5/05/14	DA	T/S: May 05, 2014 10:03 AM BSUTTON ----- Sections of drainage strip do not connect to a drain pipe (inside front porch, inside garage,) Previously required engineers letter has not been received regarding garage wall projection and fireplace issue. DO NOT FRAME FLOOR SYSTEM.
B113 02	5/07/14	TI	R*BLDG WATER/DAMP PROOFING TIME: 17:00 VRU #: 002524411
	57-14	APBS	T/S: 05/06/2014 01:01 PM DJOHNSON -----

SEE Notes in HTE
 COMMENTS AND NOTES



8600 'D' Jersey Ct
Raleigh, NC 27617

(P) (919) 492-7036
(F) (866) 792-5107

Firm Lic. No: P-0961

Juan Sanchez
Sanchez Brothers Masonry
4107 Mitchell Mill Rd.
Raleigh, NC 27616
jp_sanchez5@hotmail.com

April 9, 2014

Subject: Structural Evaluation
Location: 305 Fieldstone Dr. (Fuquay-Varina, NC)
Project No: TGS140742
Inspection Date: 4/9/2014

We are pleased to provide the structural evaluation report for the subject and location referenced above. The following comments and/or recommendations are outlined below to meet or exceed the NC Building Code.

Observations:

1. Footings observation in regards to projection at interior side of garage.
2. Verification to pour front porch separately.

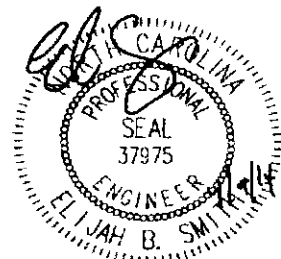
Recommendations:

1. Based on our observation and review the footings at interior side of garage are adequate as is (<2" projection (no action required).
2. Based on our observation and review the front porch may be poured separately (i.e., cold joint connections to basement walls with horizontal rebar has been observed along with the front porch footing (vertical dowels)).

If you have any questions or if I can be of further assistance to you on this project, please contact me at (919) 492-7036

Respectfully Submitted,
Tiger Stellings
JDS Consulting & Design, PLLC

Elijah B. Smith, P.E.



ADDRESS : 305 FIELDSTONE DR SUBDIV: FIELDSTONE FARMS
 CONTRACTOR : UPRIGHT BUILDERS PHONE : (919) 858-8383
 OWNER : WILLIAMS PHILLIP L & SUSAN PHONE :
 PARCEL : 05-0635- - -0058- -17-
 APPL NUMBER: 13-50032408 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 11/01/2013 09:27 AM JBROCK ----
 401 N L ON PINEY GROVE RD NC 42 L ONTO
 WADE STEPHENSON RD R FIELDSTONE RD TO
 305 FIELDSTONE DR LOT 15
 LAND NOTES : LXMN 8/02/05 SPLIT FROM THE MAIN PARCEL
 NOTE: ALLOWABLE IMPERVIOUS SURFACE
 COVERAGE PER LOT IS 12%

STRUCTURE: 000 000 135X90 3BDR BASEMENT W/ GARAGE

FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 3000000.00 PROPOSED USE : SFD
 SEPTIC - EXISTING? : NEW TANK WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	3/17/14	DT	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002503498
	3/17/14	AP	T/S: 03/17/2014 12:14 PM DETAYLOR -----
B103 01	4/09/14	BS	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002513570
	4/09/14	AP	T/S: 04/08/2014 03:24 PM VBROWN ----- T/S: April 09, 2014 10:24 AM BSUTTON ----- Engineer needs to address the following before pour- Section of wall that has less than 2 " projection on interior side of garage. 2. Verify how fireplace is to be built off of basement wall (interior of wall is hollow) 3. Verify ok to pour front porch walls seperately. Once letter is recieved if all is good, ok to pour
A814 01	4/10/14	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002513588
	4/16/14	AP	305 FIELDSTONE DR HOLLY SPRINGS 27540 T/S: 04/16/2014 01:38 PM TWARD -----
B113 01	5/05/14		R*BLDG WATER/DAMP PROOFING VRU #: 002523116

5.5.14 ~~IVR~~
DABS

----- COMMENTS AND NOTES -----

3.2.7 Corner Guard Fitting: The Corner Guard is a black plastic fitting with polypropylene nonwoven geotextile bonded to plastic. The fitting is used as an alternative to the corner fitting to allow the bending of SITEDRAIN™ Strip 6000 around an inside or outside corner at a 90-degree angle. A minimum 3-inch-wide (76 mm) polyethylene tape is used to secure each joint.

3.2.8 Step Down Fitting: The Step Down Fitting is a black plastic fitting used with SITEDRAIN™ Strip 6000 to facilitate changing vertical height along a foundation. A minimum 3-inch-wide (76 mm) polyethylene tape is used to secure each joint.

3.2.9 Universal Fitting: The Universal Fitting is a black plastic fitting with polypropylene nonwoven geotextile bonded to the plastic, and is used to connect various widths of SITEDRAIN™ Strip 6000 to the drainage piping. A minimum 3-inch-wide (76 mm) polyethylene tape is used to secure each joint.

4.0 INSTALLATION

Prior to SITEDRAIN™ Strip 6000 installation, waterproofing or dampproofing must be installed on the below-grade foundation or retaining wall in accordance with the applicable code. SITEDRAIN™ Strip 6000 drainage material must be unrolled along the footing at the base of the wall parallel to the length of the wall. The Filter Fabric adheres to the partially cured waterproofing or dampproofing. When SITEDRAIN™ Strip 6000 is applied to cured waterproofing, dampproofing or concrete foundations, an adhesive compatible with the drainage material, or mechanical means (i.e., insulation anchors as specified by the waterproofing or dampproofing manufacturer), must be used to hold the drain system in place. An outlet fitting must be attached to the end of the SITEDRAIN™ Strip 6000, and a 4-inch-diameter (102 mm) plastic pipe complying with the applicable plumbing code is attached to the outlet fitting. The SITEDRAIN™ Strip 6000 perimeter drain must discharge by gravity or mechanical means into an approved drainage system that complies

with the applicable plumbing code. The below-grade foundation or retaining wall must then be backfilled and compacted to the density required by the applicable code.

The SITEDRAIN™ Strip 6000 must be installed in accordance with this report and the manufacturer's published installation instructions. Where the manufacturer's published installation instructions and this report differ, this report must govern.

5.0 CONDITIONS OF USE

The SITEDRAIN™ Strip 6000 as described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The manufacturer must submit installation instructions for the SITEDRAIN™ Strip 6000 at the time of permit application.
- 5.2 When adhesives are used to attach the SITEDRAIN™ Strip 6000 drainage system to foundation or retaining walls, American Wick Drain Corporation must verify compatibility of the adhesives with the drainage system.

6.0 EVIDENCE SUBMITTED

- 6.1 Installation instructions.
- 6.2 Data in accordance with the ICC-ES Acceptance Criteria for Composite Foundation Drainage Systems (AC243), dated October 2005 (editorially revised February 2008).
- 6.3 A quality control manual.

7.0 IDENTIFICATION

Each package of the SITEDRAIN™ Strip 6000 must be identified with the name and/or trademark and the address of American Wick Drain Corporation or one of the report listees, as indicated in Table 1 of this report; the product name; and the evaluation report number (ESR-1107).

TABLE 1—COMPANY NAME/PRODUCT NAME CROSS-REFERENCE

COMPANY NAME	PRODUCT TRADE NAME
American Wick Drain Corporation	SITEDRAIN™ Strip 6000
Dry Dog Barriers, LLC	Drain Max™
Epro Services, Inc.	ECODRAIN-DS™
GMX, Inc.	Ultra Shield™ Soil Strip Drain
Tremco Barrier Solutions, Inc.	DrainStar®



Specification Sheet

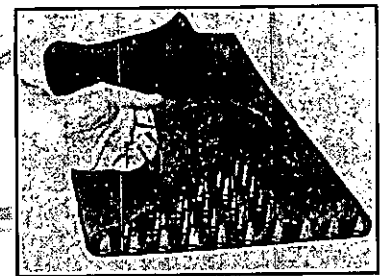
DrainMax™

2034-C Van Buren Ave. • Indian Trail, NC 28079 • Phone: 704.334.8222

DrainMax™ is a prefabricated strip drain designed to provide a flexible subterranean drainage solution in place of French Drain and is approved for use as a foundation drain. DryDog Barriers provides a variety of **DrainMax™** transition fittings to make installation fast, easy, and effective.

Core Property	Test Method	Value
FABRIC PROPERTIES		
Material	Polypropylene	
Grab Tensile Strength	ASTMD-4632	110 lbs
Puncture Strength	ASTMD-4833	65 lbs
Trapezoidal Tear	ASTMD-4533	50 lbs
Mullen Burst Strength	ASTMD-3786	215 psi
Elongation	ASTMD-4632	60%
EOS (AOS)	ASTMD-4751	100 sieve
Permittivity	ASTMD-4491	1.6 sec
Permeability	ASTMD-4491	0.3 cm/sec
Flow Rate	ASTMD-4491	150 g/min/ft
UV Resistance (After 500 hrs.)	ASTMD-4355	70%

DRAIN PROPERTIES		
Peel Strength	ASTMD-1876	38 lbs/ft
Compressive Strength	ASTMD-1621 (Mod.)	6,000-9000 lbs/ft
Shear Strength	ASTMD-1621 (Mod.)	6,000-9000 lbs/ft
Fungus Resistance (Core)	ASTMG-21	No Growth
Unobstructed Inflow Area (Primary Side)		85%
In-Plane Flow (Hydraulic gradient=0.1, Loading=10 psi)	ASTMD-4716	21 gpm/ft width



For more application information visit
www.drydogbarriers.com
 or email us
info@drydogbarriers.com



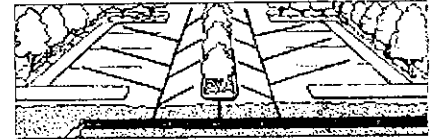
For golf course tees, fairways and greens



For other athletic fields or recreational areas



For residential and commercial properties



For parking areas and planters

The information and recommendations discussed in this publication are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming test should be run in your own plant or laboratory. No statement should be construed as a recommendation for any use, which would violate any patent rights. Nothing contained herein shall constitute a warranty with respect to the products described or their use.

DrainMax™
 Issue: A
 Revision: 1
 Date: 06/08/05



Specification Sheet

DrainMax™

2034-C Van Buren Ave. • Indian Trail, NC 28079 • Phone: 704.334.8222

Description

DrainMax™ soil strip drain is a two-part prefabricated soil strip drain consisting of a formed polystyrene core covered on all sides with a nonwoven, needle-punched polypropylene filter fabric. The fabric allows water to pass into the drain core while restricting the movement of soil particles which might clog the core. The core allows the water to flow to designated drainage exits.

Basic Uses

DrainMax™ soil strip drain is designed to replace perforated pipe and stone drainage systems in various applications. It provides a significantly higher flow rate as well as increased ease of handling and installation. The product can be used alone or with other American Wick Drain products, depending on the application.

Packaging

- 6" x 150' Rolls
- 12" x 150' or 500' Rolls
- 18" x 150' or 500' Rolls
- 24" x 150' or 500' Rolls
- 36" x 100' Rolls

Drain Attachment Methods:

When attachment to waterproofing material, concrete or wood is necessary, several methods may be used including metal stick pins, nails driven through washers or wood lathing, construction adhesives or double sided tape. Discuss materials compatibility with waterproofing supplier before using adhesives. Typically any method used for attaching waterproofing protection board will work with drain.

Outlets:

Fittings are available to connect DrainMax™ to 4" pipe. These are available in several configurations, depending on drain width and pipe location. Details are available upon request.

Splices:

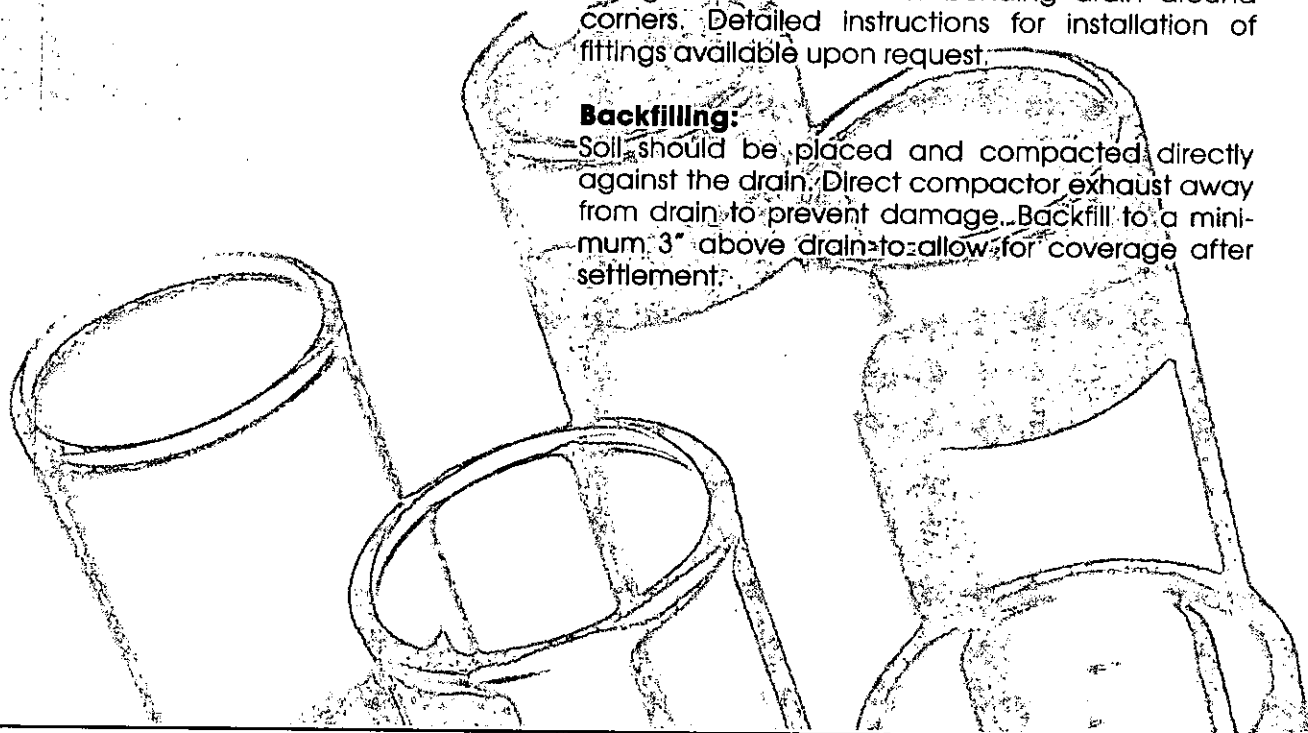
Splices are available for 6" DrainMax™. Other widths are spliced by peeling back the fabric and interlocking the dimpled core. Afterwards, replace the fabric and secure with tape.

Corners:

Fittings are available for bending drain around corners. Detailed instructions for installation of fittings available upon request.

Backfilling:

Soil should be placed and compacted directly against the drain. Direct compactor exhaust away from drain to prevent damage. Backfill to a minimum 3" above drain to allow for coverage after settlement.



The information and recommendations discussed in this publication are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming test should be run in your own plant or laboratory. No statement should be construed as a recommendation for any use, which would violate any patent rights. Nothing contained herein shall constitute a warranty with respect to the products described or their use.

DrainMax™
Issue: A
Revision: 1
Date: 06/08/05

Instructions for Installing DrainMax Foundation Drain



DrainMax

4 Principles for DrainMax Installation

1. Water should only cross the Silt Screen one time.

The only time water should cross a Silt Screen barrier is when it enters the drain, from that point on it should be able to flow freely to daylight.

2. Fast flow for enclosed areas.

During construction enclosed areas such as crawl spaces and stoops tend to collect and maintain large volumes of water under low pressure. Because these large volumes of water are at low pressures they are unable to force their way into the drain. There should be a means for this water to enter the DrainMax more rapidly than the drain by itself allows.

3. Tight transitions.

All places that pipes end against DrainMax, wherever any fitting is used, at unions and conversions, and any other transition the DrainMax should be fastened extra securely and tape used to cover any places of possible soil intrusion.

4. Provide continuous flow volume.

Do not overlap two pieces of 12" drain for less than 12" (or two 6" pieces for less than 6"). If that is done the flow capacity of the whole 12" system has been reduced. For example if a 12" drain is overlapped in a transition for only 4" the flow rate of the entire 12" system has been reduced to that of a 4" system (1/3 the flow). In addition DrainMax will work most effectively when there is a continuous run without breaks in the system, i.e. short and long pieces should be united.

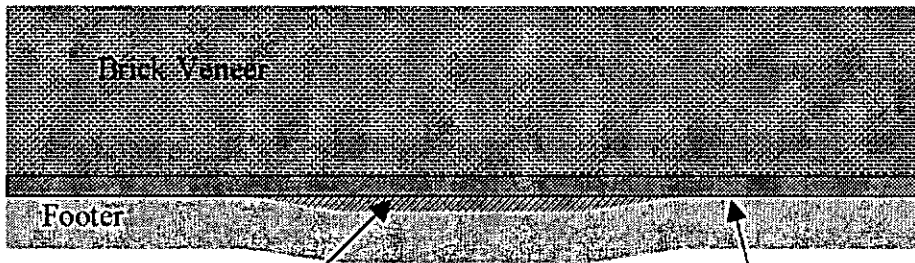
The following installation instructions are to be used as a guide in following these four principles.



DrainMax

General Installation

DrainMax should be day-lighted at low spot in footer. In most cases drain will be day-lighted at the end of the foundation or the corner nearest a crawl drain.

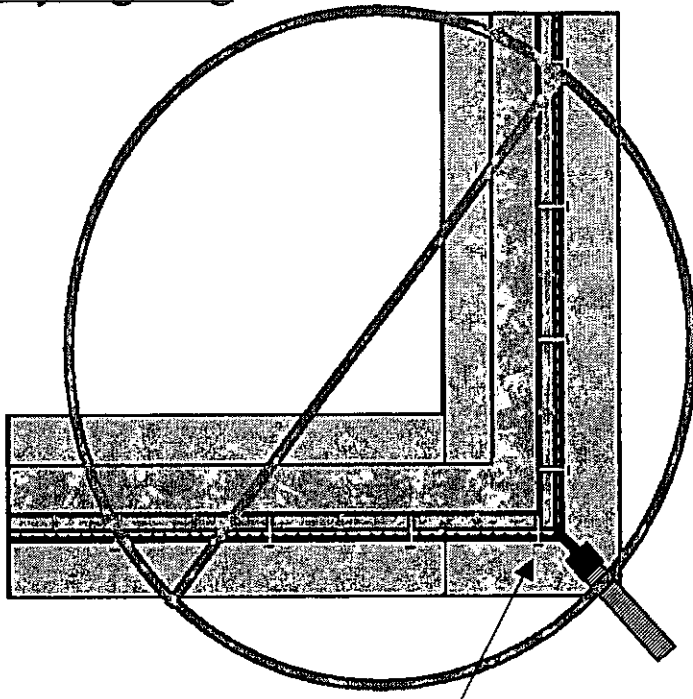


Low Spot in footing at a place that cannot be day-lighted. Fill in with dirt and compact before DrainMax is installed.

DrainMax

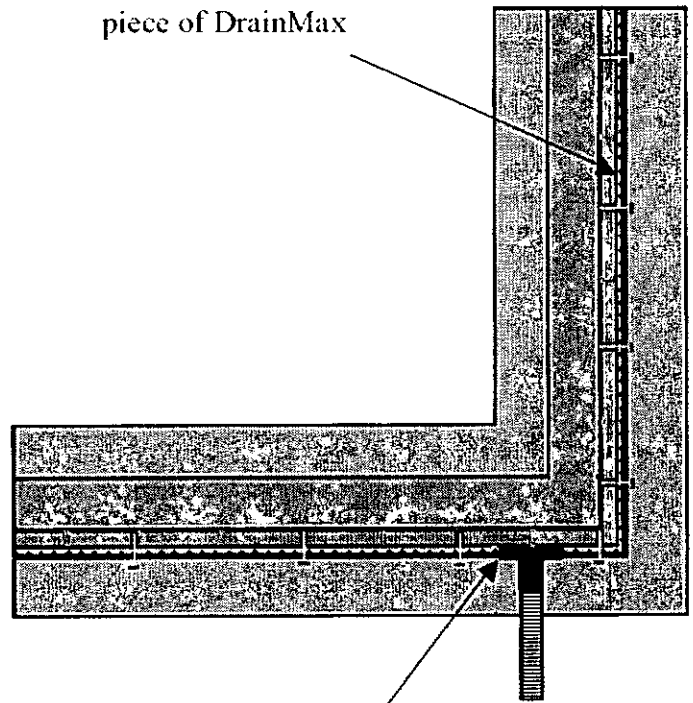
Use tape at fittings and transitions in conjunction with silt screen to cover holes and prevent soil intrusion not for securing DrainMax and fittings to walls or other objects.

Day Lighting



Do not mark grade so that Drain Max is daylighted on a corner (there is no way to day light on a corner and maintain drain continuity). The only exception to this is if the drain ends at the corner.

One continuous piece of DrainMax



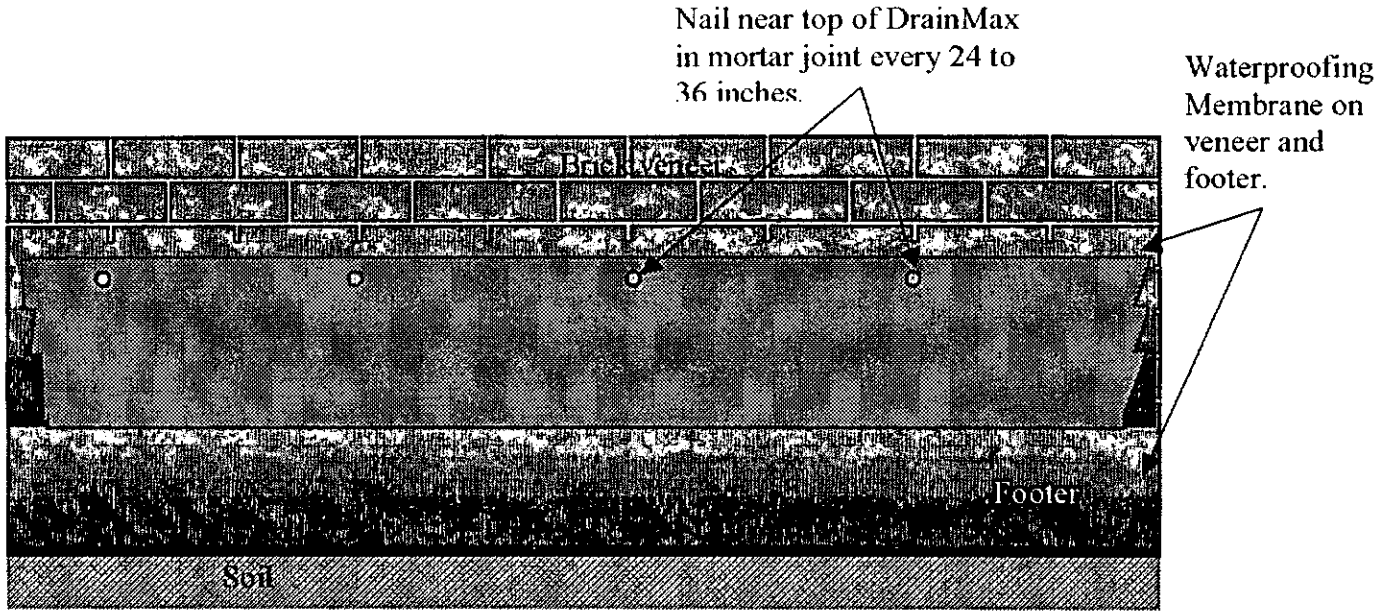
Mark grade such that DrainMax is daylighted just away from the corner. Use a Universal Tee to daylight here. (See Marking Grade about how to do this).



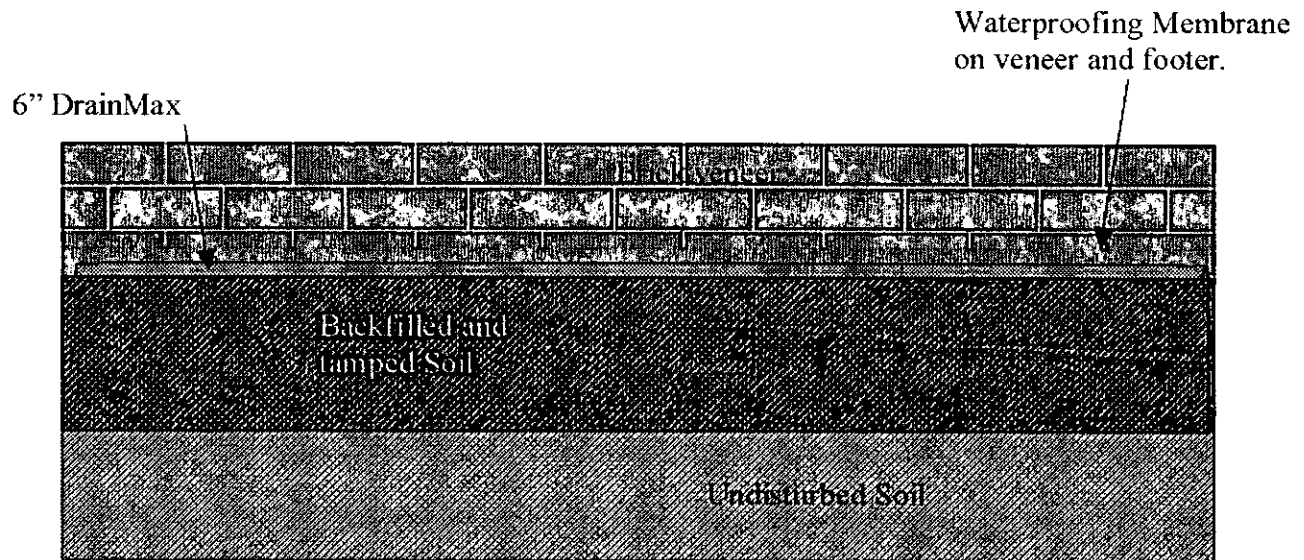
DrainMax

6" Installation

Only use 6" DrainMax when soil is too shallow for 12" Drain Max. Installation is the same for the 6" as for the 12" except backfilling may be used in place of nails only when there is not enough room to nail. In place of nailing, backfill and tamp lightly (foot or shovel) to the top of the DrainMax immediately to hold securely against membrane as it cures.



Use this method in places where there is not enough room to nail.

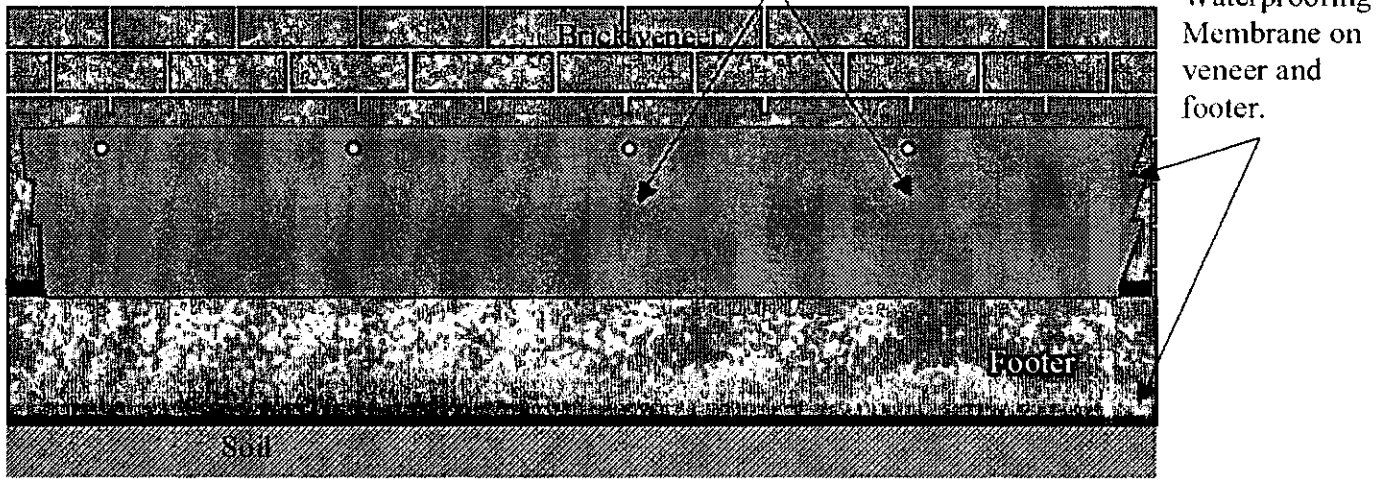


DrainMax

12" Installation

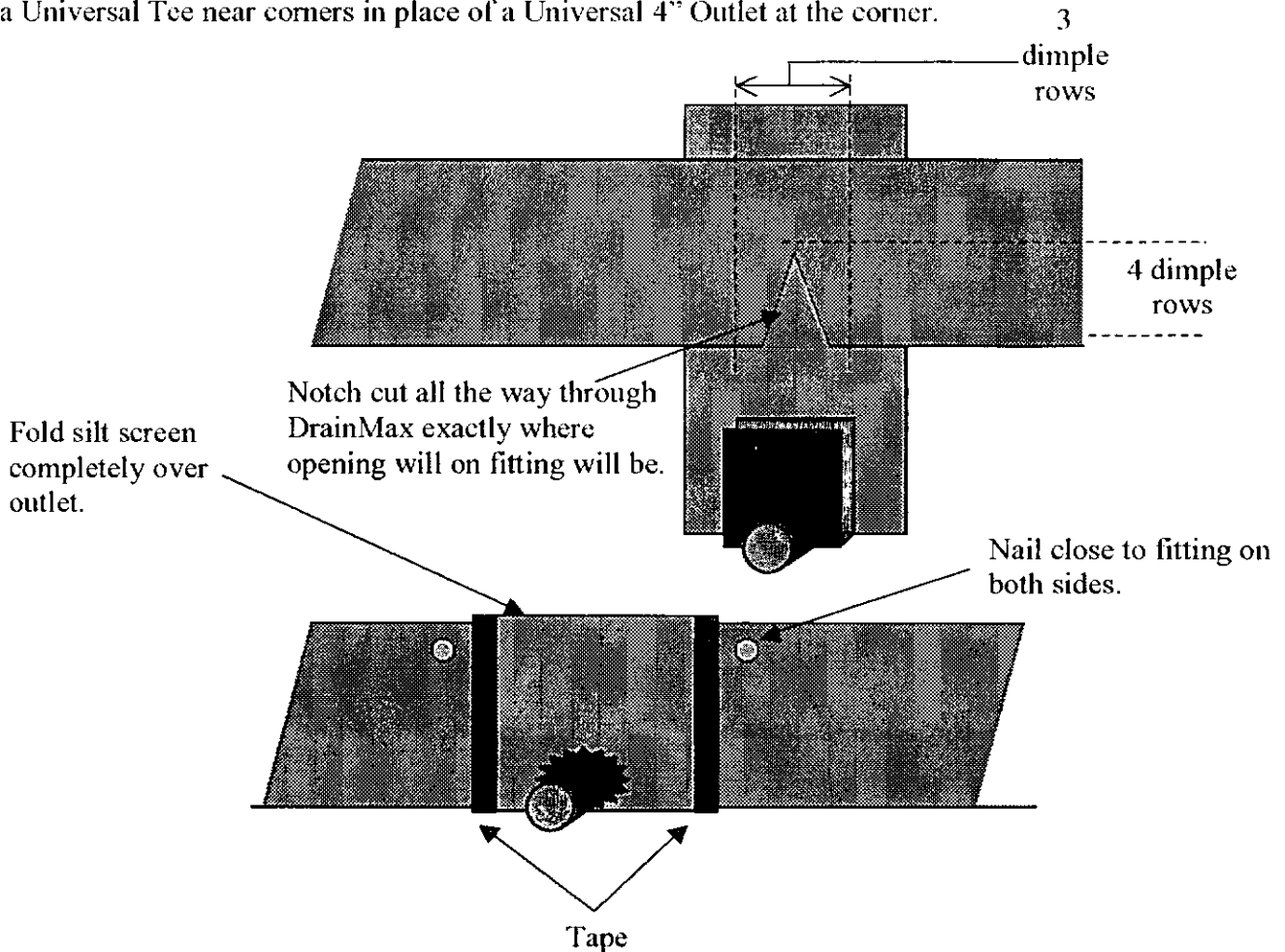
12" DrainMax is to be used everywhere the soil is deep enough.

Nail near top of DrainMax in mortar joint every 18 to 24 inches.



Universal Tee

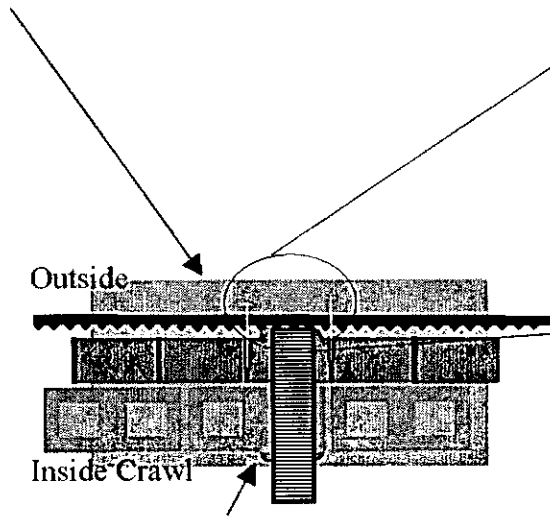
Use a Universal Tee near corners in place of a Universal 4" Outlet at the corner.



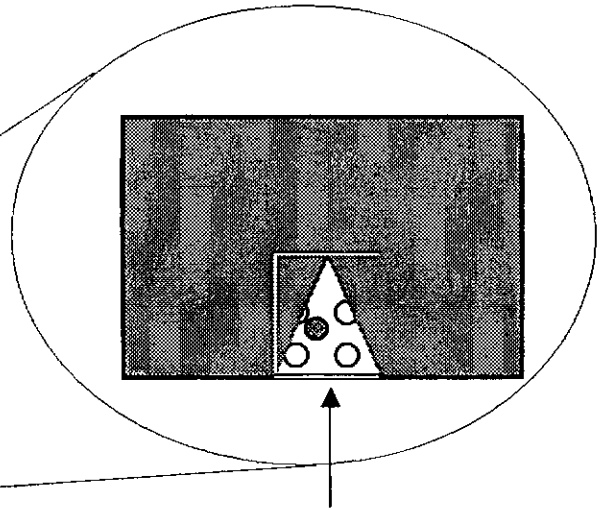
DrainMax

Joining Crawl

At least 3 (5 preferably) nails in mortar joints closest to pipe exit so DrainMax is tight against pipe.

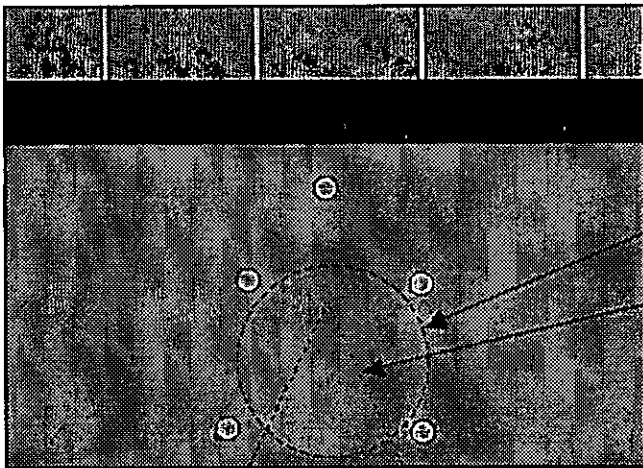


Cement or Foam 4" pipe in wall and cut flush.
Use the sleeve if provided.



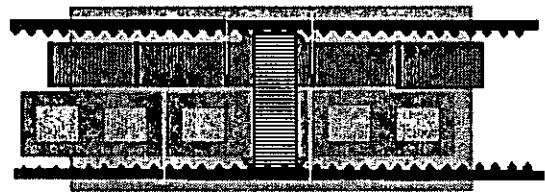
Cut off and remove only the inner layer of silt screen (layer against wall). Cut in the shape of a triangle just wide enough for the drain opening. Make cut **EXACTLY** where pipe comes through the wall as DrainMax is being installed. This will help provide a fast flow from the enclosed area.

View From Outside



Joining Stoop

Joining a stoop works the same way as joining a crawl except the installation will be the same on both sides of the stoop.

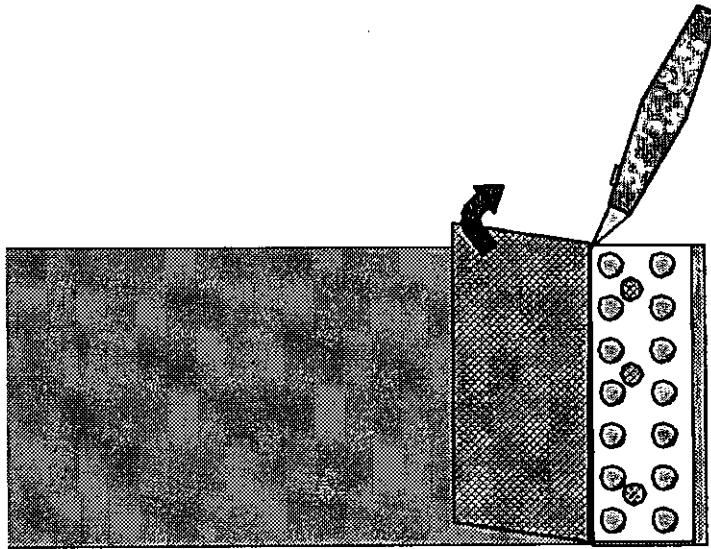


Inside Stoop

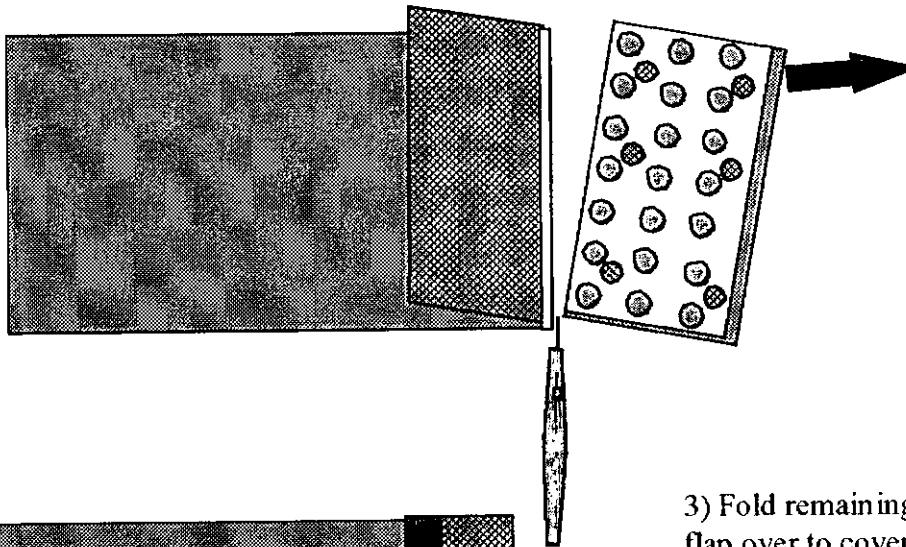


DrainMax

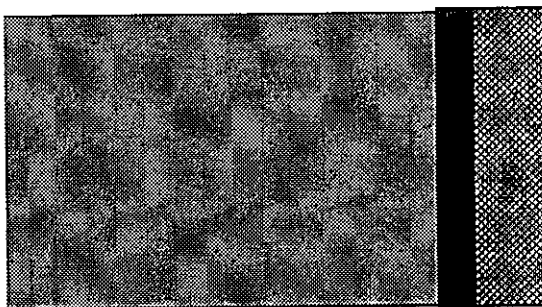
Terminating DrainMax



1) Fold back silt screen on the flat side of the DrainMax by cutting along the top and bottom. Cut at least three dimple rows long, but **DO NOT** remove.



2) Cut plastic core and silt screen attached to dimple side off and discard.

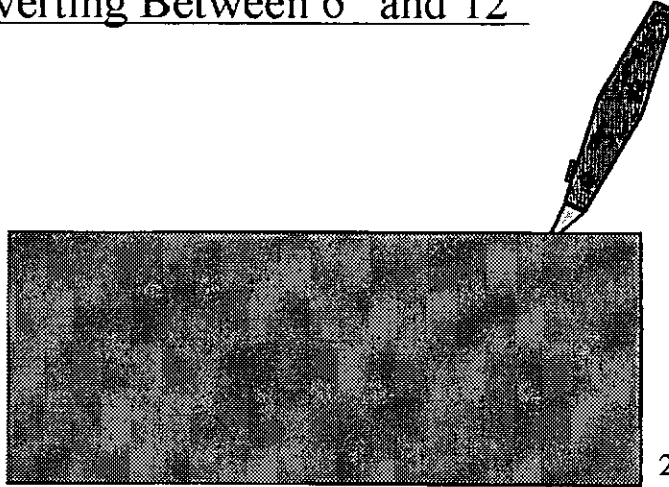


3) Fold remaining silt screen flap over to cover exposed core and tape securely.

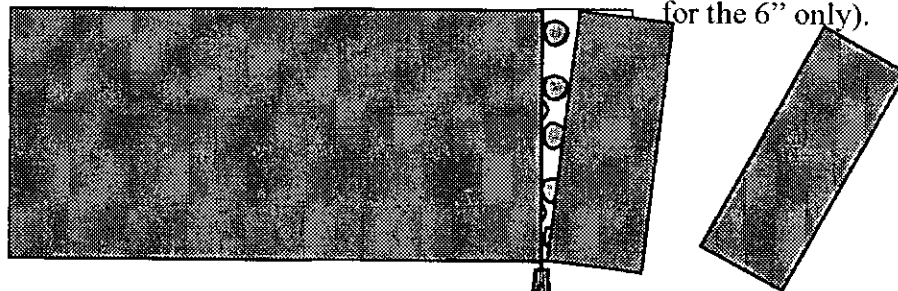


DrainMax

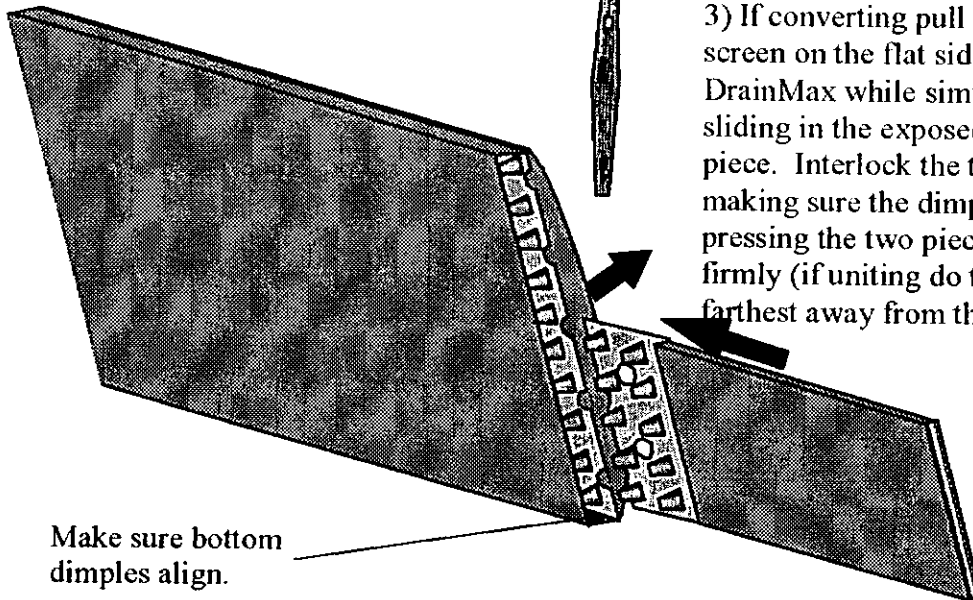
Uniting or Converting Between 6" and 12"



1) Cut the silt screen at the top and bottom of the DrainMax starting at least two dimple rows back (if converting do this for the 6" only).

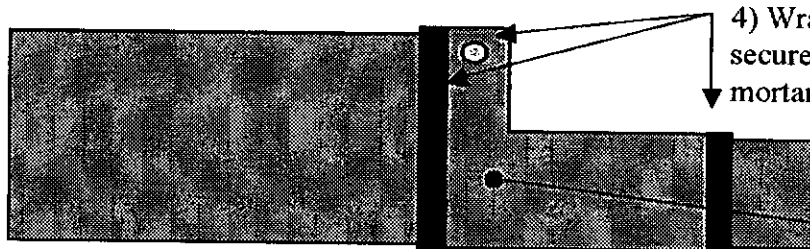


2) Cut off the silt screen on the front and the back of the DrainMax and discard (if converting do this for the 6" only).



3) If converting pull back the silt screen on the flat side of the 12" DrainMax while simultaneously sliding in the exposed core of the 6" piece. Interlock the two pieces by making sure the dimples align and pressing the two pieces together firmly (if uniting do this for the piece farthest away from the drain outlet).

Make sure bottom dimples align.



4) Wrap with silt screen, tape securely, and nail in nearest mortar joint.

Silt Screen from roll (not part of DrainMax)

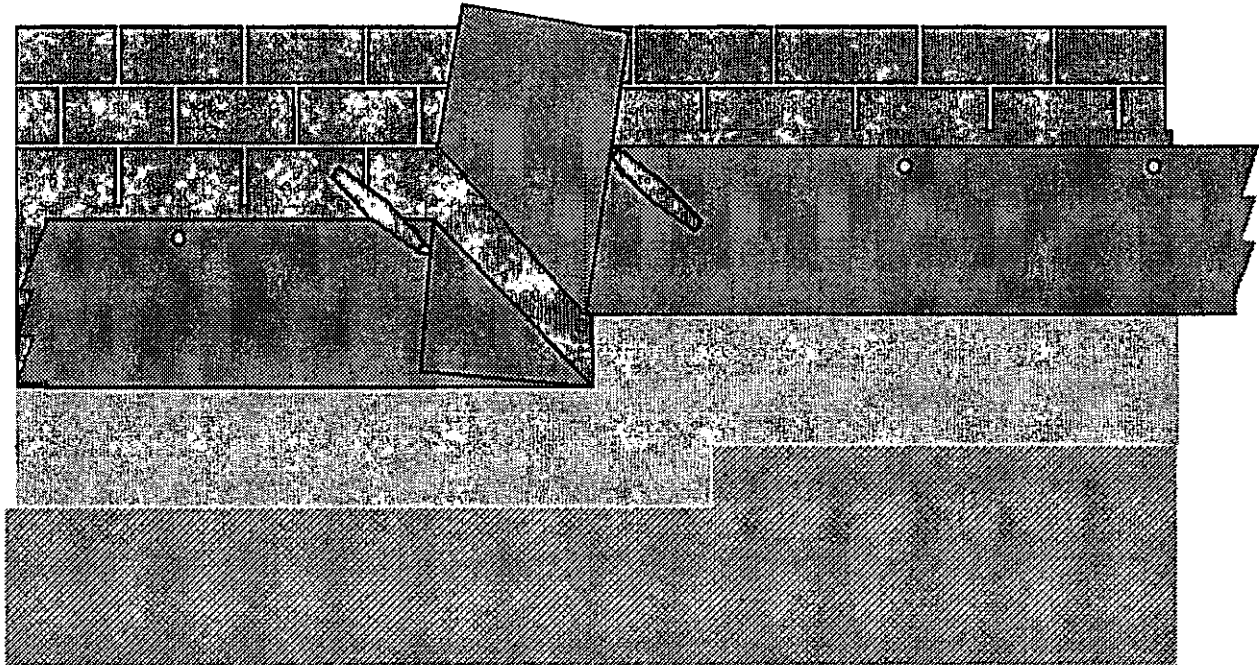


DrainMax

Short Step Down

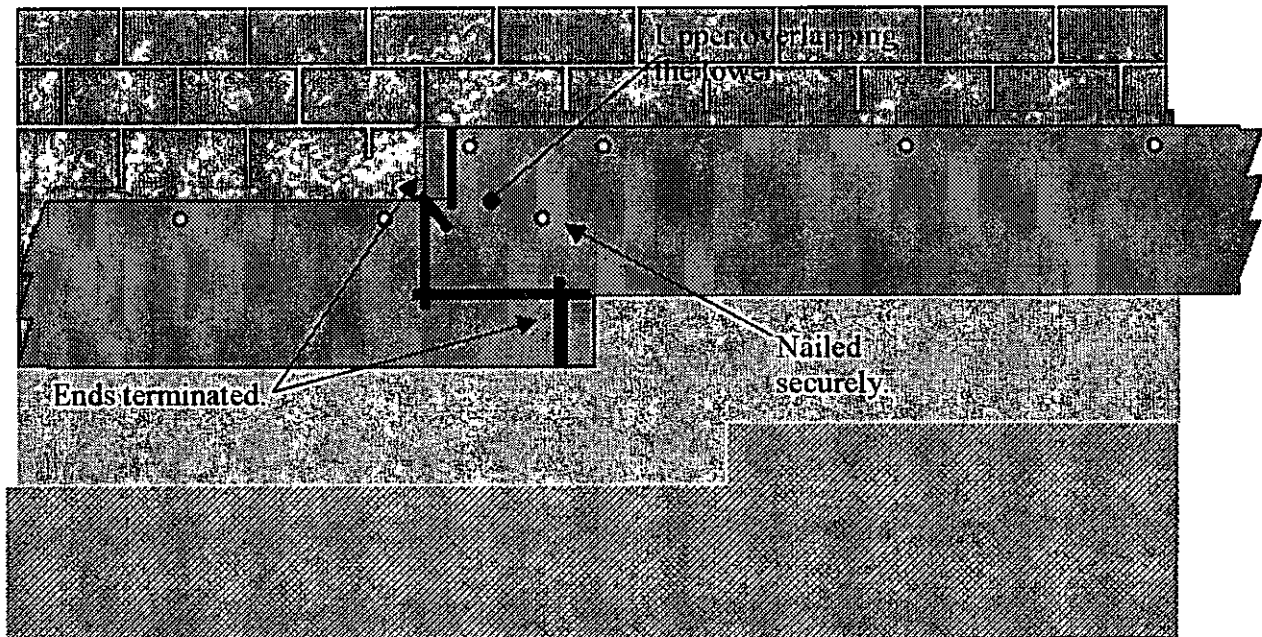
1) Terminate upper and lower pieces without taping.

2) Cut along bottom of upper piece and top of lower piece for the entire length of the overlap (See Principle 4).



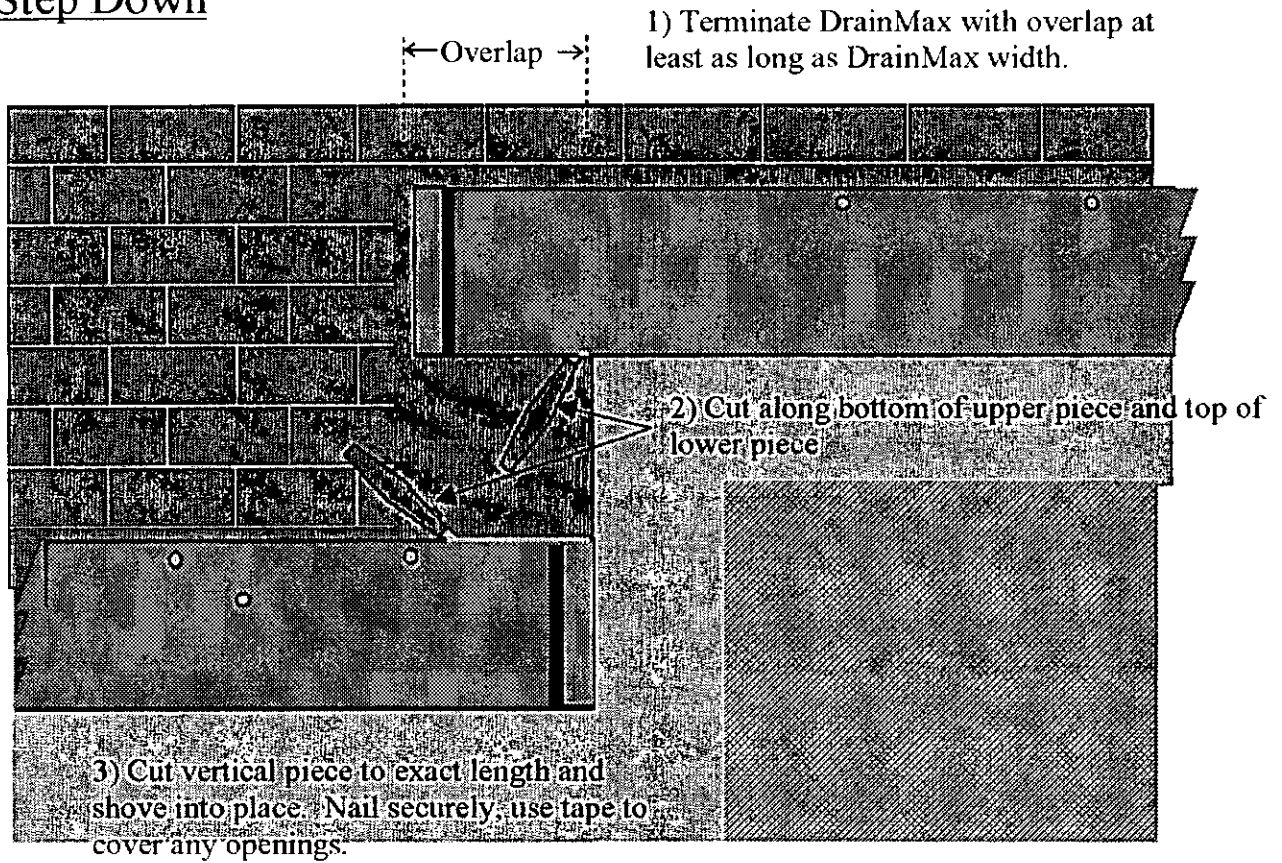
3) Interlock dimples by pushing the dimples on the lower piece into the dimples on the upper piece. Let the silt screen from the upper piece drape over the lower piece.

4) Finish terminating upper and lower pieces, nail securely. Use tape to cover any openings.



DrainMax

Long Step Down



DrainMax

Long Step Down Continued

Tape covers points
of possible soil
intrusion.

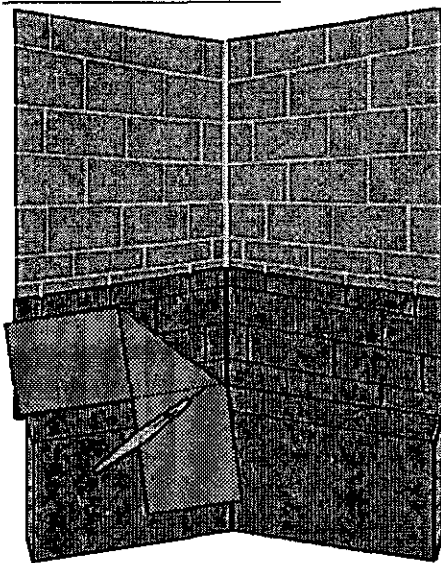
4) Cut a piece of Silt
Screen to cover
entire transition.

Nail DrainMax
and Silt Screen
together.

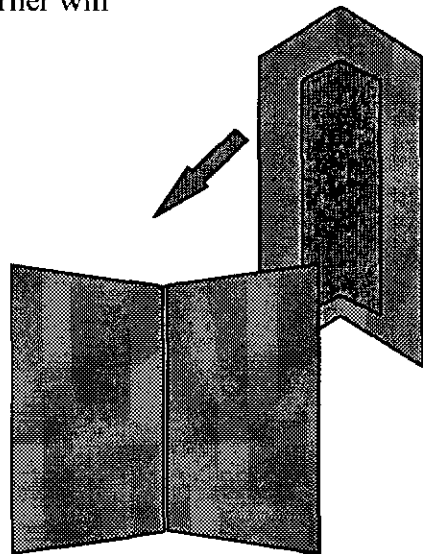


DrainMax

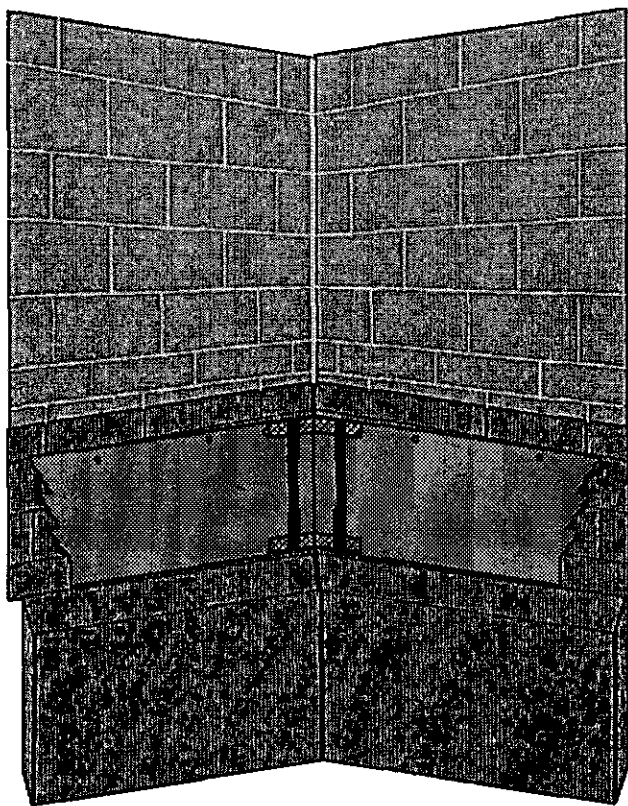
Inside Corners



1) Run the DrainMax to the corner, when you reach it cut a vertical slit on the wall side of the DrainMax silt screen exactly where the corner will



2) Attach the Corner Guard to the DrainMax. Do this by bending the DrainMax at the cut and taping the Corner Guard silt screen around the DrainMax.



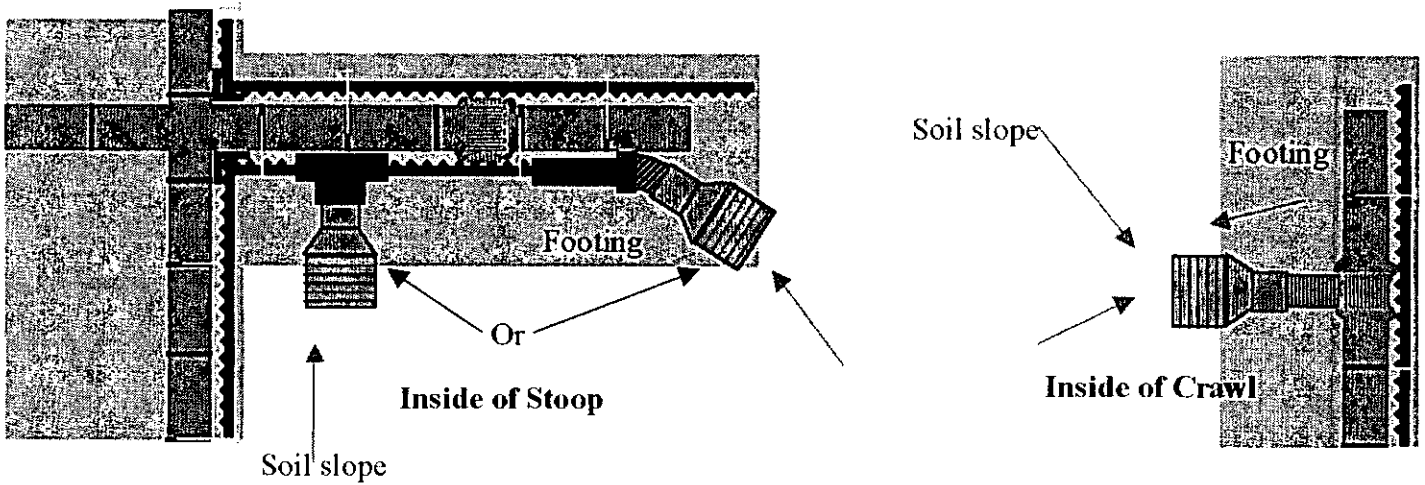
3) Fasten the assembled corner piece securely into the corner by nailing into the closest mortar joints.



Flow Max

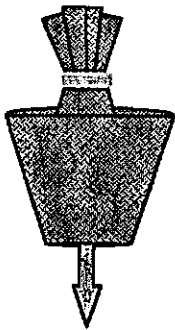
Use

Use the FlowMax anywhere large quantities of water must be drained quickly such as crawl spaces and inside stoops. In a crawl space use in conjunction with a crawl drain by simply snapping it onto the installed 4" drain end like a fitting. Inside a stoop use in with a Universal 4" Outlet setting the FlowMax on the footer, when possible install close to drain exit. If for some reason that is not possible install with a Universal Tee.

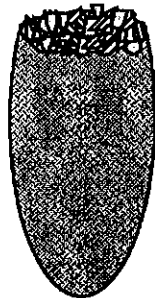


Construction

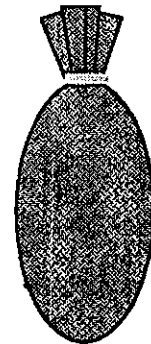
1) Turn bag in-side-out so that the metal clip is on the inside of the bag.



2) Put one shovel full of stone into nylon mesh bag.



3) Zip Tie bag tight against gravel and cut off excess bag material.



4) Shove bag tightly into the 6" to 4" reducer if necessary place one strip of tape over mouth to hold bag in.

