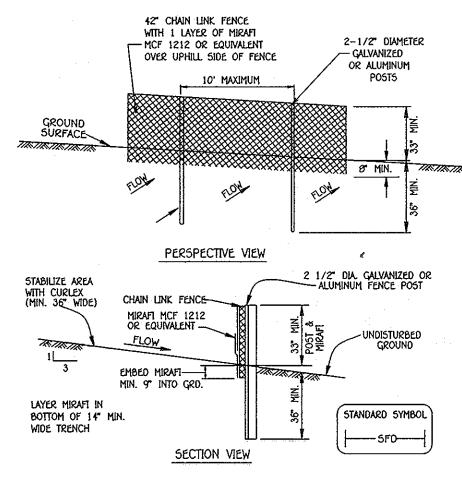


F-10-089

CONSTRUCTION SPECIFICATION

- 1. LENGTH MINIMUM OF 50' (*30' FOR SINGLE RESIDENCE LOT). 2. WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS. 3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. **THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE
- 4. STONE CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE. 5. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT
- AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED. 6. LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

STABILIZED CONSTRUCTION ENTRANCE



CONSTRUCTION SPECIFICATIONS

- 1. FENCING SHALL BE 42" HIGH CHAIN CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY ADMINISTRATION STANDARD DETAILS 690.01 AND 690.02 FOR CHAIN U FENCING. TH SPECIFICATIONS FOR A 6'-O" FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 8" POSTS, POSTS SHALL BE PLACED WITHOUT CONCRETE EMBEDMENT. 2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS
- WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE. 3. FILTER CLOTH TO BE FASTENED SECURELY TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- 4. FILTER CLOTH SHALL BE IMBEDDED A MINIMUM OF 9" INTO THE 5. WHEN TWO SECTIONS OF DIVERSION CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. 6. MAINTENANCE SHALL BE PERFORMED AS NEEDED.

Fabric Properties			Value	Test Method
Grab Tensile Strength (lbs.)			90	A5TM 01682
Elongation at Failure (%)			50	ASTM .01602
Mullen Burst Strength (PSI)			190	ASTM D3786
Puncture Strength (lbs.)			40	ASTM 0751
Slurry Flow Rate (gal/min/sf)			0.3	Virginia DOT VTM-51
Equivalent Opening Size			40-80	US 5†d 5ieve CW-02215
Utraviolet Radiation Stability (%)			90	ASTM G-26
	Desig	n Cr	iteria	
Slope	Slope Steepness		e Length ximum)	Silt Fence Length (maximum)
0 - 10%	0 - 10:1	Unlimited		Unlimited
10 - 20%	10:1 - 5:1	400 feet		1.500 feet
0 - 33%	5:1 - 3:1) feet	1,000 feet
3 - 50%	3.1 - 2.1	200) feet	500 feet

SUPER FENCE DIVERSION

50% + 2:1 + 100 feet

NOT TO SCALE

Conclusions and Recommendations

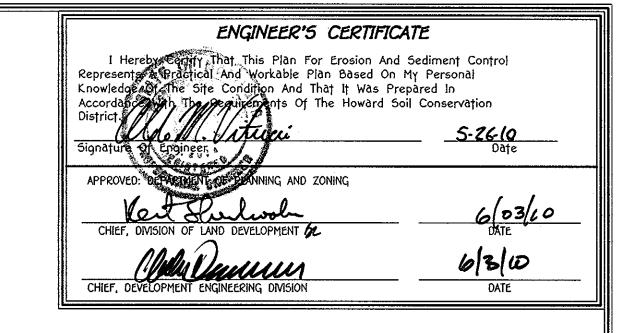
GTA understands that this groundwater data will be utilized for planning and design of final basement and foundation levels and possible foundation underdrain systems. Based on the test pit data and existing ground surface elevations, construction of basements within the proposed lots is considered feasible provided the standard level of care is taken during construction and the recommendations presented herein are followed.

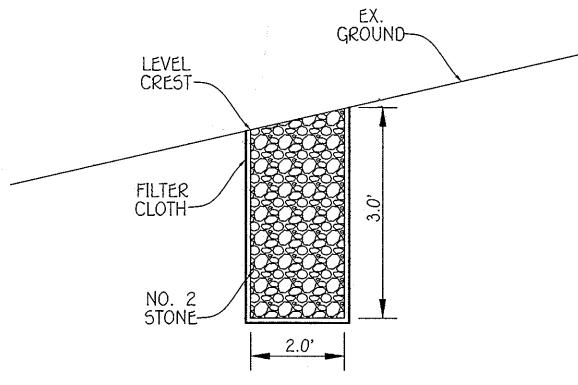
GTA recommends construction of basement floor levels a minimum of four feet above the highest groundwater level observed in the explorations on each lot. The explorations encountered groundwater, generally at depths greater than 3.5 feet below existing grades. Standard perimeter drains connected to a sump-pump system shall be provided for all basement units if the basement floor is held four feet above groundwater.

if the basement floor elevation is planned at four feet above the groundwater on each lot, existing fill soils will be present below the proposed slabs and footings. There is risk associated with constructing structures on undocumented and likely uncontrolled fill soils. To eliminate the risk associated with building structures on undocumented/uncontrolled fill soils, the existing fill soils should be removed and replaced with controlled fill.

Alternately, a gravity outfall can be constructed for the perimeter drains. If a gravity outfall is provided for the perimeter drains, the basement floors can be lowered such that the footings of the proposed single-family homes will be founded within or close to the natural soils. The perimeter drains should be set a minimum of one foot below the proposed basement levels. The civil engineer should set the proposed basement elevations and design the gravity outfall for the perimeter drains to allow for the system to function with the existing storm drain and stormwater management systems to control the groundwater.

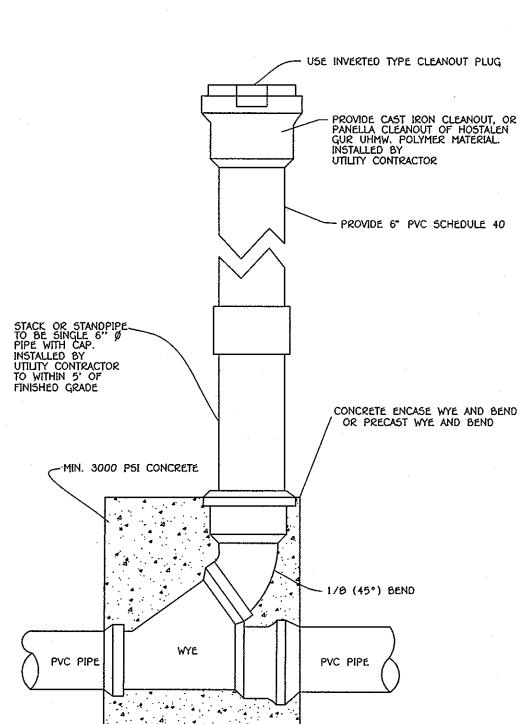
Recommen	ded Minimum Basement S	lab Elevation with Pu	mped Perimeter Drain
Lot	Highest Elevation of Ground Water Encountered (El)	Lowest Elevation of Existing Fill Encountered (El)	Recommended Minimum Basement Slab Elevation with Pumped Perimeter Drain (El)
14	411.5	411	415.5
15	411.5	410.5	415.5





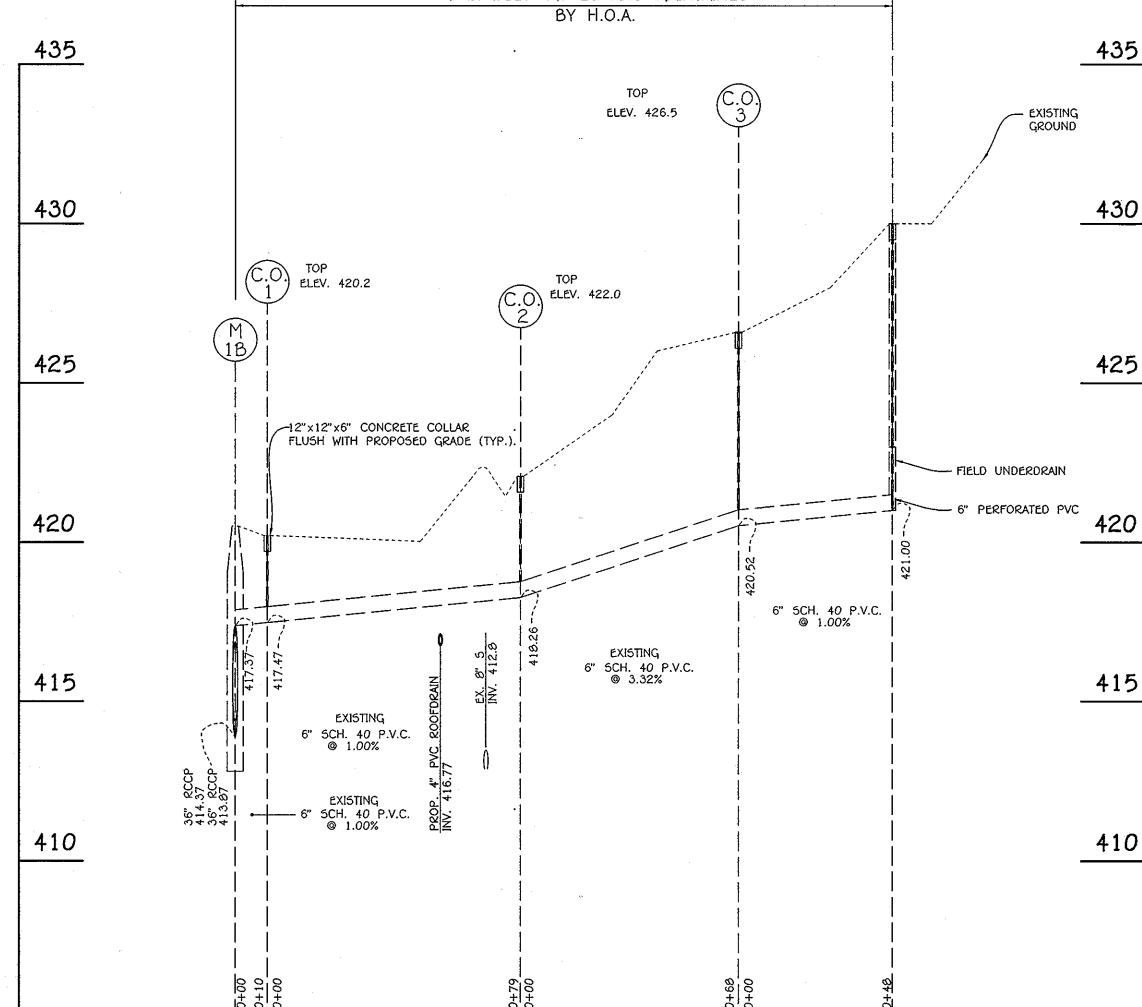
LEVEL SPREADING DEVICE DETAIL (LOT 15)

NOT TO SCALE

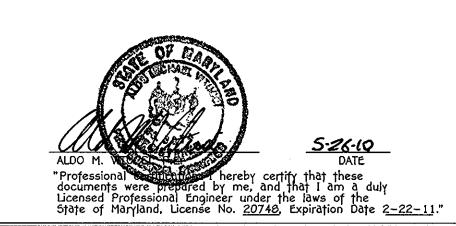


CLEAN-OUT DETAIL NO SCALE

EXISTING FIELD UNDERDRAIN PROFILE PER F-09-019 5CALE: HOR. : 1" = 30" VER. : 1" = 3"



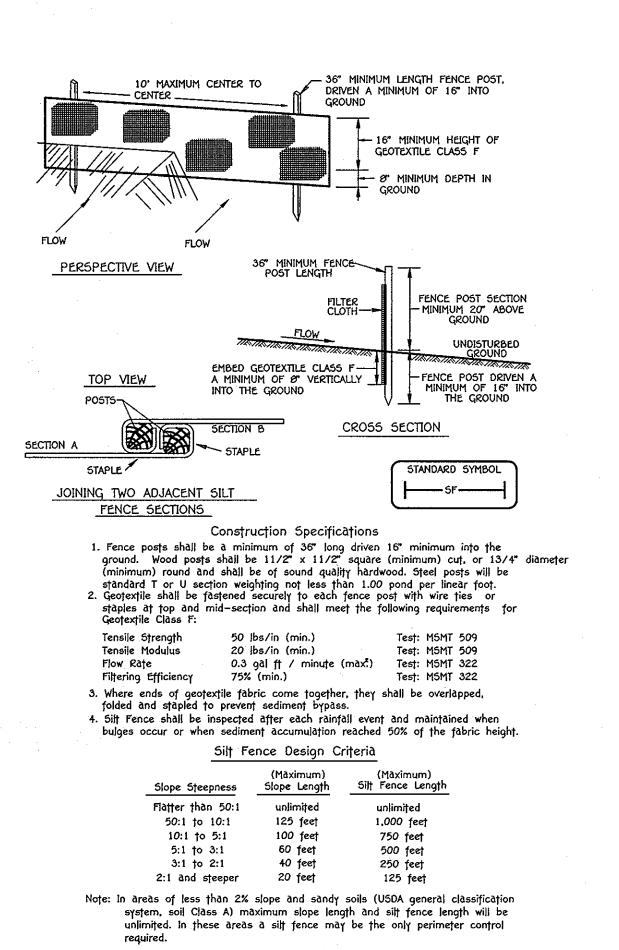
PRIVATELY OWNED AND MAINTAINED



SUPPLEMENTAL PLAN NOTES & DETAILS MT. HEBRON SECTION 24 LOTS 14 AND 15

A Resubdivision Of Non-Buildable Bulk Parcel 'A'. As Shown On Plats Entitled "Mt. Hebron, Section 24, Lots 1 Thru 12, Non-Buildable Bulk Parcel 'A' And Open Space Lot 13" And Recorded Among The Land Records Of Howard County, Maryland As Plat Nos. Thru Zoned: R-20

Tax Map No. 17 Grid No. 10 Parcel No. 250 Second Election District Howard County, Maryland Date: May 26, 2010 Sheet 2 Of 2



OWNER MT. HEBRON, INC. C/O MR. H. JONES BAKER, JR 5400 VANTAGE POINT ROAD COLUMBIA, MARYLAND 21044

(410) 992-1005

NOT TO SCALE

OWNER/DEVELOPER 5074 DORSEY HALL DRIVE SUITE 205 ELLICOTT CITY, MD. 21042 ATTN: MR. JASON VAN KIRK (410) 720-3021