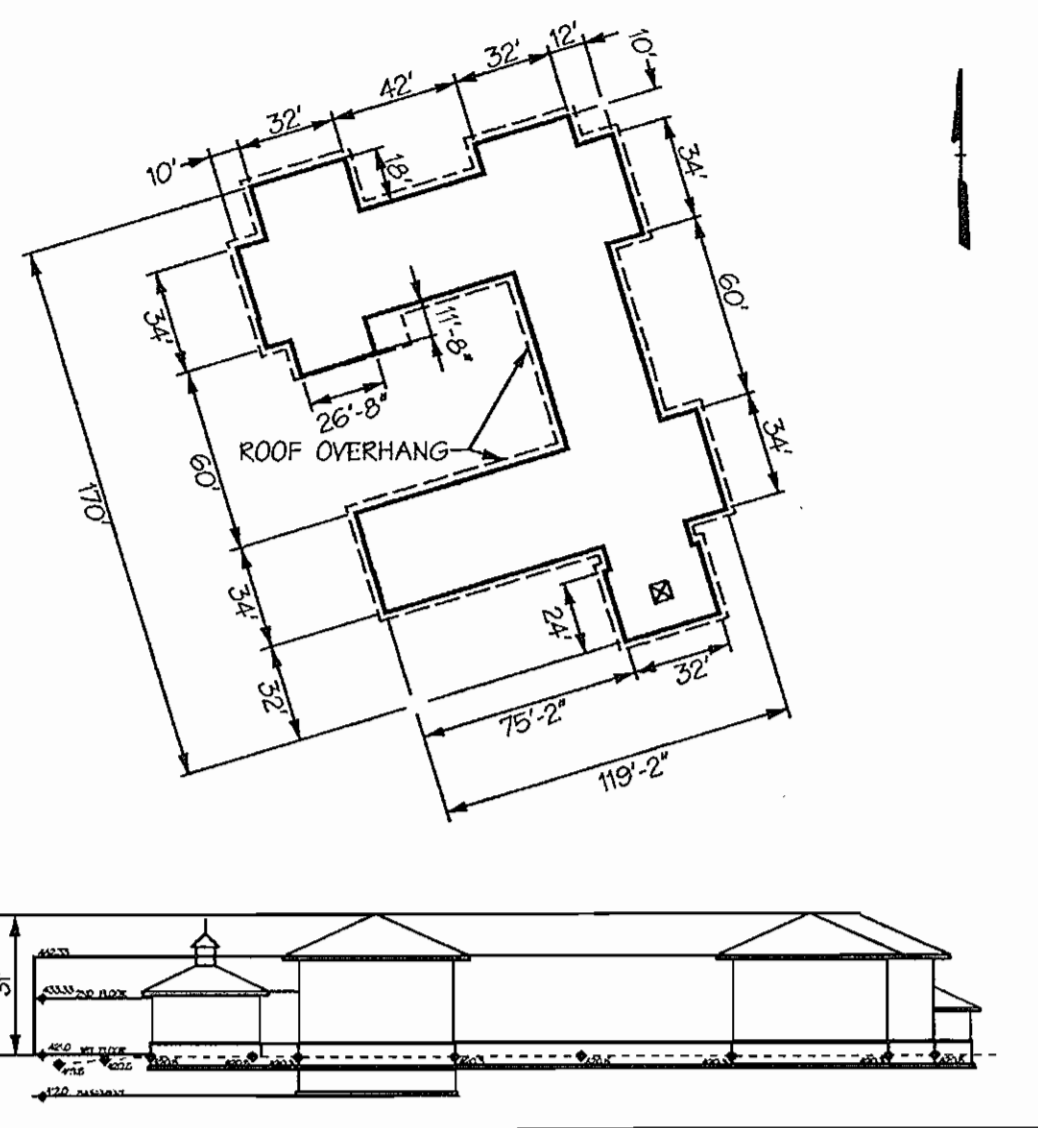


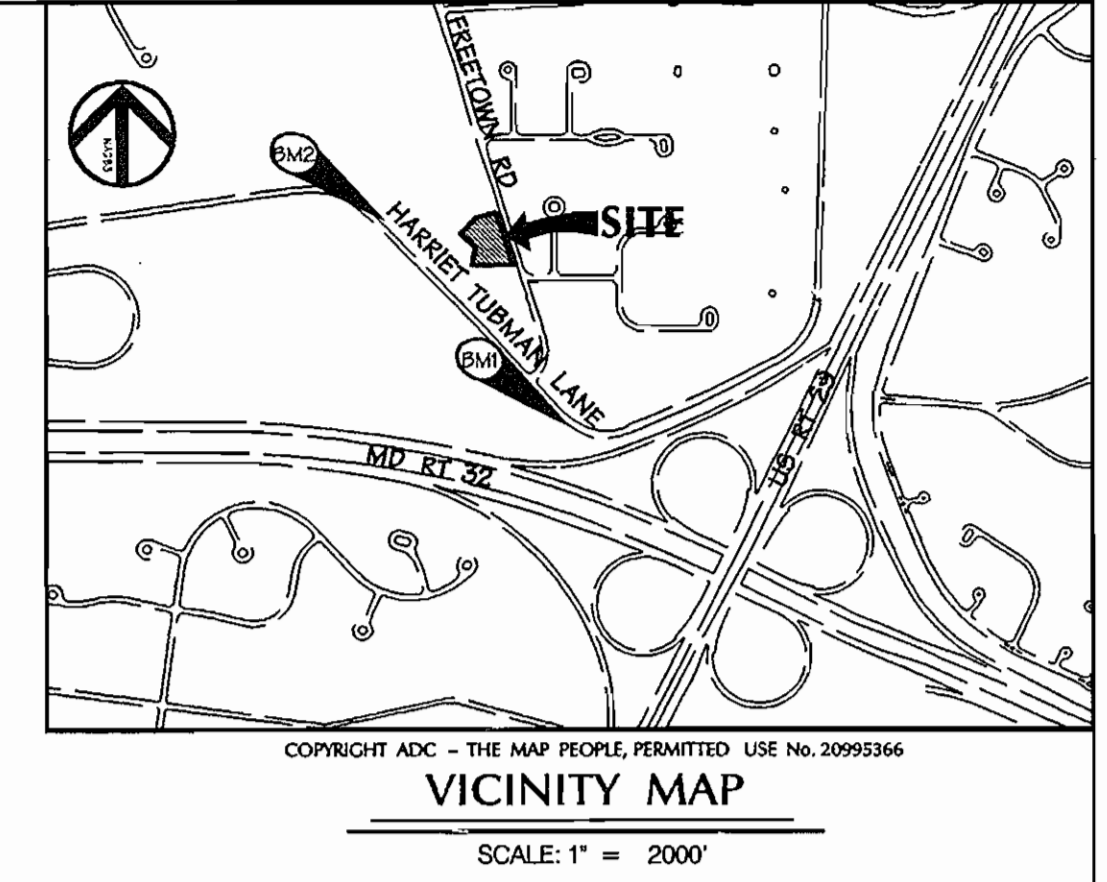
GRASSROOTS CRISIS INTERVENTION CENTER OF HOWARD COUNTY Howard County, Maryland



ELEVATION & FOOTPRINT
NOT TO SCALE

Sheet Index

SHEET	DESCRIPTION
1	COVER SHEET
2	SITE AND GRADING PLAN
3	DEMOLITION PLAN
4	STORMWATER MANAGEMENT REDEVELOPMENT PLAN
5	STORMWATER MANAGEMENT SPECIFICATIONS AND BORING LOGS
6	DRAINAGE AREA AND SOILS MAP
7	FOREST CONSERVATION AND FOREST STAND DELINEATION PLAN
8	DETAIL SHEET
9	LANDSCAPE PLAN
10	LIGHTING PLAN
11	LANDSCAPE DETAILS
12	UTILITY PROFILES
13	SEDIMENT AND EROSION CONTROL PLAN
14	SEDIMENT AND EROSION CONTROL NOTES
15	SEDIMENT AND EROSION CONTROL DETAILS

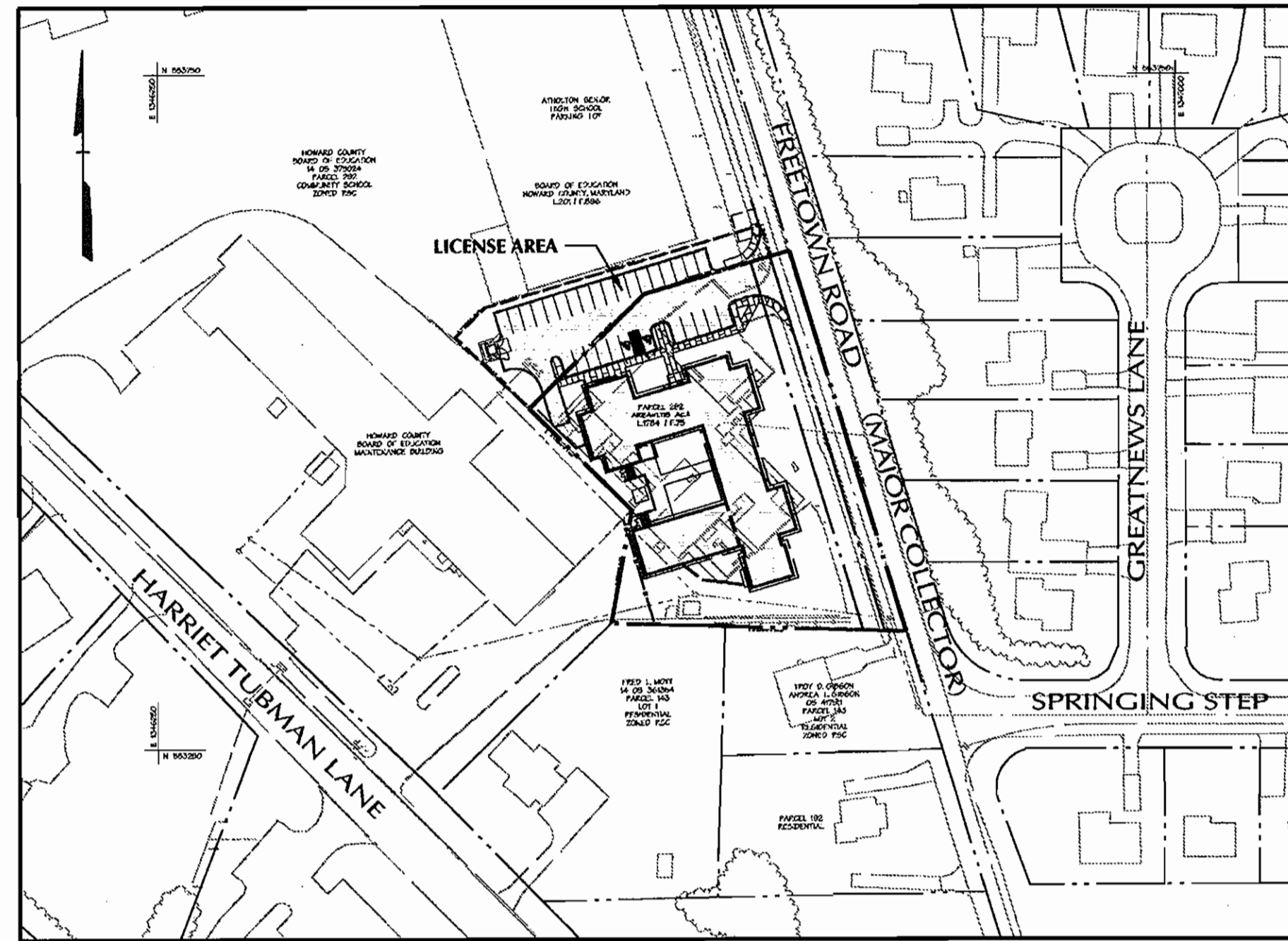


DATA SOURCES

- Coordinates and bearings shown on this plat are referred to the system of coordinates established in the Maryland Coordinate System - NAD 83 (1991), and are based upon the following National Spatial Reference System Control Stations:

Designation	North (NAD 83)	East (NAD 83)	Description
BM1	4100	552484.279	Disc Set in Concrete
BM2	3913	553573.696	Disc Set in Concrete
- Elevations shown on this plan are referred to the North American Vertical Datum (NAVD '83) with locate references to the following National Geodetic Survey Control Stations:

Designation	Elevation	General Location
BM1	410.09	Martin Rd. near corner with Freetown Rd.
BM2	400.70	Harriet Tubman La. by Atollton HS
- All utilities shown hereon are based solely on field location. No comparison to or enhancement has been made from any utility drawings. The location of any underground utility shown hereon is approximate and must be verified prior to the commencement of any construction activity.
- The direction of underground pipes shown hereon are approximate and therefore, are for reference only.
- The date of the latest field work performed by DMW is JULY 9, 2005.
- The survey was performed without the benefit of a Title Report.



SITE LOCATION PLAN
SCALE: 1" = 100'

General Notes

- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable.
- The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at 410-313-1800 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work being done.
- Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). All streets and regulatory signs be in place prior to the placement of any asphalt.
- Street light placement and the type of fixture and pole shall be in accordance with the Howard County Design Manual, Volume II (1993) and as modified by "Guidelines for Street Lighting in Residential Developments (June 1993)". A minimum 20 feet spacing shall be between the light and any tree.
- The existing topography is taken from field run survey with 2' contour intervals prepared by DMW dated July 9, 2005.
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System, Howard County Monument Nos. 4100 and 3913 were used for this project.
- Sidewalk ramps shall meet current ADA requirements.
- Water is public, Contract No. 24-3269-D
- Sewer is public, Contract No. 20-0916-D
- Stormwater Management for this project will be provided using a stormwater facility. All computations are based on the MD 2000 Maryland Stormwater Design Manual Volumes 1 & 2 and Howard County requirements. No recharge or stream channel protection volume is required because the project is a redevelopment site.
- Existing utilities are based on field survey and plans of record.
- There are no wetlands, wetland buffers, streams, nor stream buffers on this site.
- No traffic study is required for this project.
- Street trees shall be planted at least 5' from any inlet structure.
- This project complies with Section 16.1200 of the Howard County Code for Forest Conservation. Under this plan, no forest clearing or retention is proposed. Forest Conservation will be provided by payment of a fee-in-lieu of \$ 1,500.00.
- Relocated fire hydrant and relocated sanitary sewer shall be done under Contract # 24-444-D
- There are no cemeteries on this site.
- No Historic Resources as designated by Howard County exist on this site.
- No steep slopes as defined by Howard County exist on this site.
- A design manual waiver is being requested to waive sections 4.1.1B2 & 5.2.4 of the Howard County Design Manual, Vol. II to allow a pipe size of less than 12" for storm drainage. A Design Manual waiver to Section 5.4.B.3 of Design Manual Vol. II is also being requested to waive the 10' setback from the sewer easement to the building.
- This project is subject to Council Resolution 41-2006 which was approved May 1, 2006.
- This project is also subject to a License Agreement between Howard County Board of Education and Howard County Maryland dated February 27, 2006 which allows the use of the License area for a parking lot.
- This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and the Landscape Manual.
- This project is not subject to APFO requirements.

Site Analysis Data Chart

1. General Site Data

- Present Zoning: R-SC Per the Feb. 2, 2004 Comprehensive Zoning Plan
- Applicable DPZ File References: SDP-76-20, SDP-89-20, SDP-01-16 and SDP-01-16
- Existing Use of Site or Structure(s): Crisis Intervention Center
- Proposed Use of Site or Structure(s): Crisis Intervention Center
- Proposed Water and Sewer Systems: Public, X Private

2. Area Tabulation

Item	Area
a. Total Area of Site:	1.34 Ac.±
Parking License Agreement Area:	0.22 Ac.
Building Parcel Area:	0.92 Ac.
R/W:	0.2 Ac.
b. Area of Floodplain:	0 Ac.
c. Area of Steep Slopes (25% or Greater):	0 Ac.
d. Net Area of Site:	1.34 Ac.
e. Area of Proposed Building:	0.28 Ac.
f. Area of Proposed Open Space Lots:	0 Ac.
g. Area of Proposed Public Roads:	0 Ac.
h. Building Coverage:	21%
i. Limit of Disturbance (Project Area):	1.22 Ac.±
j. Maximum number of employees:	75
k. Floor Space:	
Basement =	2,523 SF
1st Floor =	12,220 SF
2nd Floor =	10,407 SF

County Council of Howard County, Maryland
2006 Legislative Session Legislative Day No. 6

Resolution No. 41-2006
Introduced by: The Chairman at the request of the County Executive

A RESOLUTION pursuant to Section 16.301 of the Howard County Code granting a variance from the front, rear, and side primary structure setbacks and use setbacks at the Grassroots Crisis Intervention Center located at 6700 Freetown Road.

Introduced and read first time April 3, 2006.
Read for a second time at a public hearing on April 17, 2006.

By order: *Shirley M. Williams*, County Executive
By vote: *Shirley M. Williams*, County Executive

Certified by: *Shirley M. Williams*, County Executive

WHEREAS, Section 16.301 of the Howard County Code provides that variances for governmental uses from the strict application of the zoning regulations are granted by the County Council by Resolution following a public hearing; and

WHEREAS, the Grassroots Crisis Intervention Center, Inc. has proposed the construction of a new Grassroots Crisis Intervention Center at 6700 Freetown Road in Columbia; and

WHEREAS, the site is zoned R-SC, a category that imposes certain primary structure setbacks (building restriction lines) and use setbacks for certain uses and structures; and

WHEREAS, the Grassroots Crisis Intervention Center has proposed:

- A 24 foot primary structure setback along the entire front (eastern) edge of the property;
- A 0 foot primary structure and use setback along the entire rear (western) edges of the property; and
- A 0 foot primary structure and use setback along the side (northern) property line on both sides of the property line; and

WHEREAS, the Board of Education of Howard County owns the property abutting the boundary on the western and northern sides and it is the intention of Grassroots Crisis Intervention Center to have a parking lot straddle the northern boundary line; and

WHEREAS, use of the property owned by the Board of Education of Howard County on the northern boundary is covered by a License Agreement dated February 27, 2006; and

WHEREAS, the primary structure setbacks (building restriction lines) and use setbacks affect the appropriate placement of the new Grassroots Crisis Intervention Center and its parking lot on the site; and

WHEREAS, the Grassroots Crisis Intervention Center has requested a variance from the strict application of the primary structure setbacks (building restriction lines) and use setbacks for the renovation and expansion of the Grassroots Crisis Intervention Center within:

- The 30 foot primary structure setback (building restriction line) along the front (eastern) edge of the property;
- The 30 foot primary structure setback (building restriction line) and the 20 foot use setback along the rear (western) edge of the property; and
- The 7.5 foot primary structure setback (building restriction line) and the 20 foot use setback along the side (northern) edge of the property; and

WHEREAS, the County Council finds that the proposed variance from the primary structure setbacks (building restriction line) and use setbacks of the R-SC district for this governmental purpose is in the public interest.

NOW, THEREFORE, BE IT RESOLVED by the County Council of Howard County, Maryland, this 17th day of April, 2006 that, for the construction of a new Grassroots Crisis Intervention Center at 6700 Freetown Road, it grants a variance from:

- The 30 foot primary structure setback (building restriction line) along the front (eastern) edge of the property;
- The 30 foot primary structure setback (building restriction line) and the 20 foot use setback along the rear (western) edge of the property; and
- The 7.5 foot primary structure setback (building restriction line) and the 20 foot use setback along the side (northern) edge of the property.

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
PAR 292 and 406	6700 FREETOWN ROAD, COLUMBIA, MD. 21044

PERMIT INFORMATION CHART

Subdivision Name	N/A	Section/Area	N/A	Lot/Parcel No.	292 & 406
Plat # or LF	1728176	Grid #	24	Zoning	R-SC
Water Code	E-29	Sewer Code		Tax Map No. 35	Elect. Distr. 5
				Census Tract	805602

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Wash. McLaughlin 11/29/06
DIRECTOR DATE

Shirley M. Williams 11/29/06
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Shirley M. Williams 11/29/06
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

OWNER / DEVELOPER

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 3430 COURT HOUSE DRIVE ELLCOTT CITY, MARYLAND 21043
--

PROJECT
GRASSROOTS CRISIS INTERVENTION CENTER

AREA TAX MAP 35, GRID 24 ZONED R-SC PARCELS 292 and 406
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SDP-76-20 SDP-89-20

TITLE
COVER SHEET C-1

DMW
Duff-McCune-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax: 296-4706

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

11-20-06 Date

DESIGNED BY: CVG
DRAWN BY: GMD
PROJECT NO.: 02100.B
DATE: 11/21/06
SCALE: 1"=100'
DRAWING NO. 1 of 15

Professional Engr. No. 25784

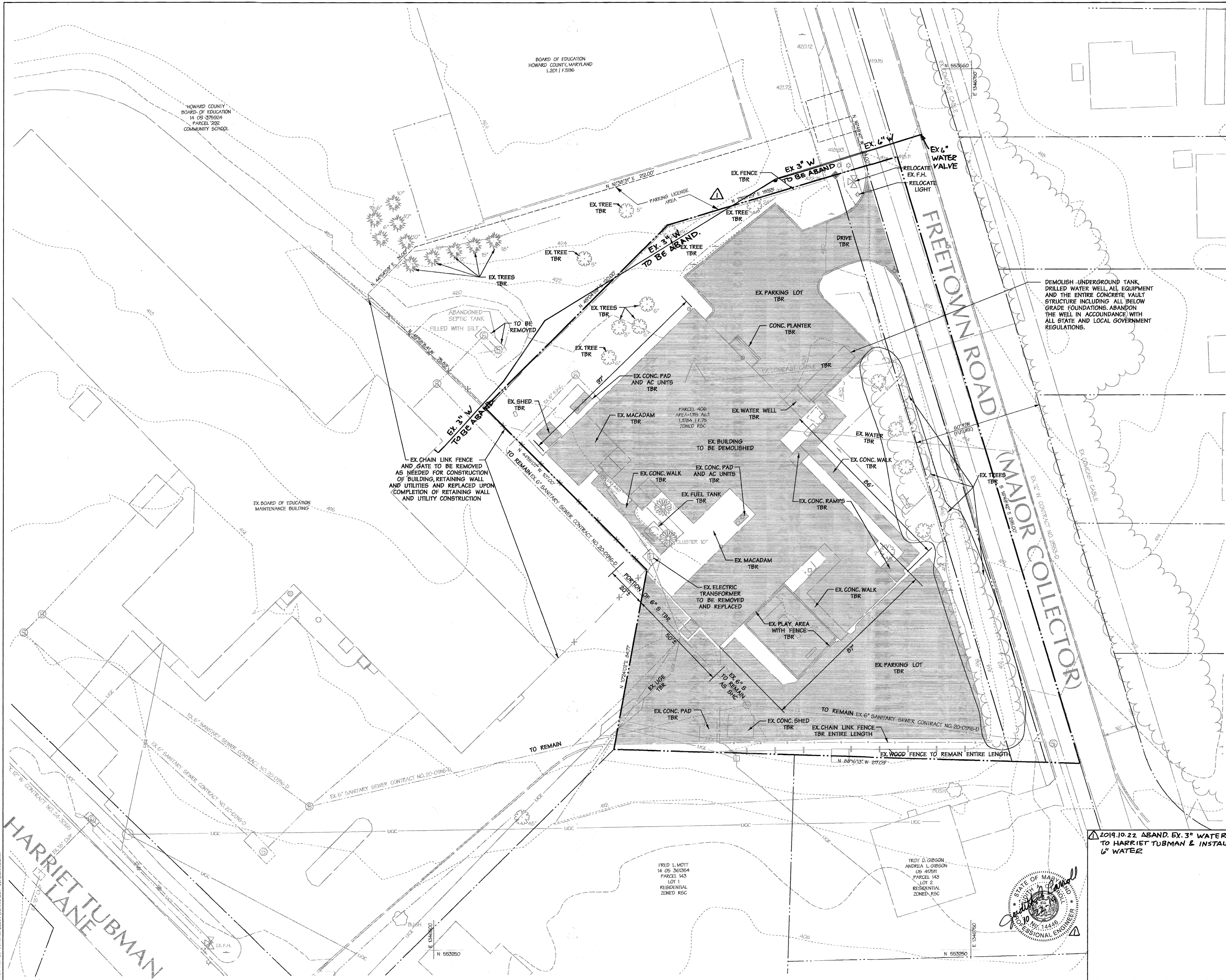
Parking Tabulation

1. Parking Requirements are based on the Parking Study Dated April 3, 2006 by Synthesis, Inc.

Required Parking	30 Spaces
Parking Provided:	28 Regular 3 IC 30 Total

Memo: Nov. 20, 10:02:28 AM 11/21/06 SDP-84 (10/20/06) CTR

11/20/06 09:00 AM SDP-84 (10/20/06) CTR



LEGEND

	EX. FREELINE
	EX. MINOR CONTOUR (2' INT.)
	EX. MAJOR CONTOUR (10' INT.)
	EX. STRUCTURE
	EX. CURB AND GUTTER
	EX. UTILITY POLE
	PROPERTY BOUNDARY
	RIGHT OF WAY LINE
	ADJACENT LOT LINE
	ROADWAY CENTERLINE
	TO BE DEMOLISHED
	TO BE REMOVED

DEMOLISH UNDERGROUND TANK, DRILLED WATER WELL, ALL EQUIPMENT AND THE ENTIRE CONCRETE VAULT STRUCTURE INCLUDING ALL BELOW GRADE FOUNDATIONS. ABANDON THE WELL IN ACCORDANCE WITH ALL STATE AND LOCAL GOVERNMENT REGULATIONS.

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

David K. Wright 11/29/06
DIRECTOR DATE

[Signature] 11/29/06
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Cindy Hunt 11/29/06
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE NO. REVISION

OWNER /DEVELOPER

HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELLCOTT CITY, MARYLAND 21043

PROJECT **GRASSROOTS CRISIS INTERVENTION CENTER**

AREA TAX MAP 35 ZONED R-6C PARCELS 292 AND 406
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE **DEMOLITION PLAN** C-3

DMW
Duff-McCune-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 286-2833
Fax 286-1705

A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

DESIGNED BY : CVS
DRAWN BY : GMD
PROJECT NO : 02100.B
DATE : 11/21/06
SCALE : 1"=20'
DRAWING NO. **3 of 15**

Professional Engr. No. 20784

2019.10.22 ABAND. EX. 3" WATER TO HARRIET TUBMAN & INSTALL 6" WATER



Plan No. 20 06-57-16-22000 (02/06) SPP, SC (02/06) DMT

Plan No. 20 06-57-16-22000 (02/06) SPP, SC (02/06) DMT



SUMMARY
 EXISTING IMPERVIOUS = 0.63 AC
 PROPOSED IMPERVIOUS = 0.61 AC
 NET REDUCTION IN IMPERVIOUS AREA = 0.02 AC.

LEGEND

	REDEVELOPMENT (EX. PAVING TO PROP. PAVING) = 0.30 AC
	EX. LAWN TO IMPERVIOUS = 0.31 AC
	EX. PAVING TO LAWN = 0.33 AC
	LIMIT OF DISTURBANCE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>[Signature]</i> DIRECTOR	11/28/06 DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION	
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT	11/28/06 DATE

DATE	NO.	REVISION
OWNER / DEVELOPER		
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 3430 COURT HOUSE DRIVE ELLICOTT CITY, MARYLAND 21043		

PROJECT	GRASSROOTS CRISIS INTERVENTION CENTER
AREA	TAX MAP 35 ZONED R-SC PARCELS 292 and 406 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE	C-4
STORMWATER MANAGEMENT REDEVELOPMENT PLAN	

	A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
--	---

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DESIGNED BY :	CVS												
DRAWN BY :	GMO												
PROJECT NO :	02100.B												
DATE :	11/21/06												
SCALE :	1"=20'												
DRAWING NO.	4 of 15												

Plan No. 20 061326 02100B SDP Set 02100B.MXD
 11/20/06 10:00 AM

Plan No. 20 061326 02100B.MXD
 11/20/06 10:00 AM

BOARD OF EDUCATION
HOWARD COUNTY, MARYLAND
L201115596

HOWARD COUNTY
BOARD OF EDUCATION
14 05 37592A
PARCEL 292
COMMUNITY SCHOOL

- 0.05 AC. **A** ZONING R-SC
C=0.6 % IMP = 60%
- 0.20 AC. **B** ZONING R-SC
C=0.7 % IMP = 85%
- 0.07 AC. **C** ZONING R-SC
C=0.7 % IMP = 70%
- 0.07 AC. **D** ZONING R-SC
C=0.7 % IMP = 70%

LEGEND

	EX TREELINE
	EX MINOR CONTOUR (2' INT.)
	EX MAJOR CONTOUR (10' INT.)
	AREA OF INTERPOLATED CONTOURS
	EX STRUCTURE
	PROP. TREELINE (IF SHOWN)
	PROPERTY BOUNDARY
	RIGHT OF WAY LINE
	ADJACENT LOT LINE
	PROP. LOT LINE
	BUILDING SETBACK LINE
	EX CURB AND GUTTER
	PROP. CURB AND GUTTER
	PROP. MINOR CONTOUR
	PROP. MAJOR CONTOUR
	ROADWAY CENTERLINE
	SOIL TYPE DELINEATION LINE
	EX UTILITY POLE
	EASEMENT AREAS
	LIMIT OF DISTURBANCE
	8" W. EX WATER
	8" S. EX SEWER
	24" D. EX STORM DRAIN
	8" W. PROP. WATER
	8" S. PROP. SEWER
	24" D. PROP. STORM DRAIN
	PROP. SWM DRAINAGE AREA
	PROP. STORM DRAIN DRAINAGE AREAS

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Mark Kuyale 11/23/06
DIRECTOR DATE

[Signature] 11/23/06
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Judy Kaman 11/29/06
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE NO. REVISION

OWNER /DEVELOPER
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELLCOTT CITY, MARYLAND 21043

PROJECT **GRASSROOTS CRISIS INTERVENTION CENTER**

AREA TAX MAP 35 ZONED R-SC PARCELS 292 and 406
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE **DRAINAGE AREA AND SOILS MAP** C-6

DMW
Duff-McCune-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax 296-4706

A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

11-20-06 Date

DESIGNED BY : CVS

DRAWN BY : GWO

PROJECT NO : 02100.B

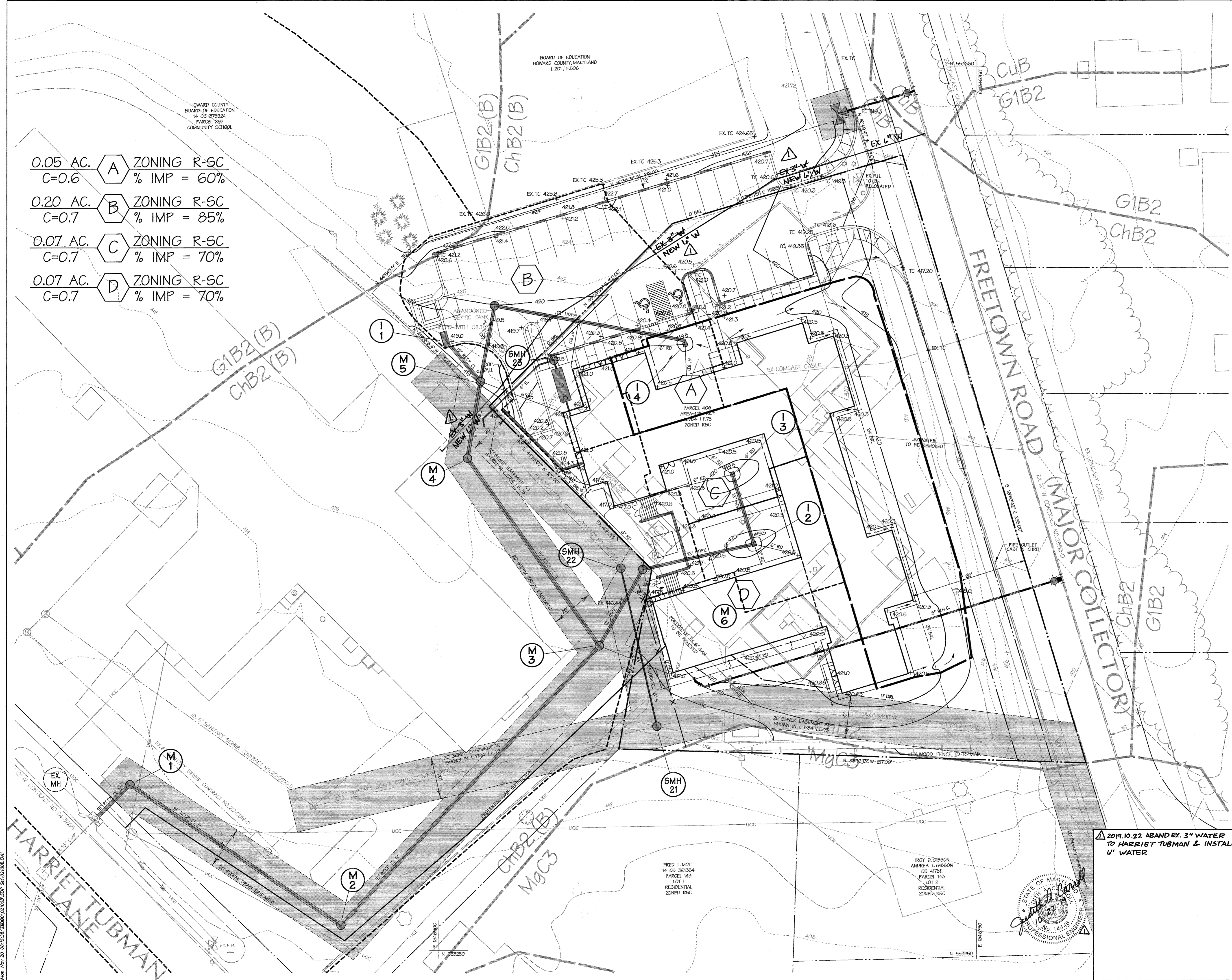
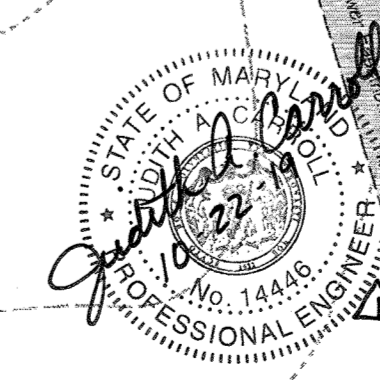
DATE : 11/21/06

SCALE : 1"=20'

DRAWING NO. 6 of 15

Professional Engr. No. 26184

2019.10.22 ABAND EX. 3" WATER
TO HARRIET TUBMAN & INSTALL
6" WATER



Map No. 20 0815131.MD.GIS.CITYMAP.MXD 11/20/2006 8:15:31 AM

Map No. 20 0815131.MD.GIS.CITYMAP.MXD 11/20/2006 8:15:31 AM

- LEGEND**
- EX TREELINE
 - EX MINOR CONTOUR (2' INT.)
 - EX MAJOR CONTOUR (10' INT.)
 - AREA OF INTERPOLATED CONTOURS
 - EX STRUCTURE
 - PROP. TREELINE (IF SHOWN)
 - PROPERTY BOUNDARY
 - RIGHT OF WAY LINE
 - ADJACENT LOT LINE
 - PROP. LOT LINE
 - BUILDING SETBACK LINE
 - EX CURB AND GUTTER
 - PROP. CURB AND GUTTER
 - PROP. MINOR CONTOUR
 - PROP. MAJOR CONTOUR
 - ROADWAY CENTERLINE
 - SOIL TYPE DELINEATION LINE
 - EX UTILITY POLE
 - AREA SUBJECT TO FCA (21,212 SF.)
 - LIMIT OF DISTURBANCE
 - 8" W. EX WATER
 - 8" S. EX SEWER
 - 24" D. EX STORM DRAIN
 - 8" W. PROP. WATER
 - 8" S. PROP. SEWER
 - 24" D. PROP. STORM DRAIN

WARD COUNTY
 BOARD OF EDUCATION
 OS 375924
 PARCEL 292
 UNITY SCHOOL

LOD
 SDP-76-020

0.01 AC.±
 (500 SF.)

LOD AREA
 OUTSIDE OF
 SDP-89-28

0.28 AC.±
 (12,385 SF.)

LOD AREA
 OUTSIDE
 SDP-89-28
 5-20-0916

0.10 AC.±
 (4,673 SF.)

LOD
 SDP-89-28

0.007 AC.±
 (341 SF.)

LOD
 SDP-89-28

0.02 AC.±
 (1,056 SF.)

LOD AREA
 OUTSIDE OF
 EXISTING SDP

0.05 AC.±
 (2,249 SF.)

SIMPLIFIED FOREST STAND DELINEATION

No portion of the site meets the technical definition of "forest", and there are no specimen trees present. Site elevations range from approximately 424 feet above mean sea level to approximately 410 feet above mean sea level, with a generally southern aspect, and soils are mapped as Chester silt loam. There are scattered landscape trees and tree groups as indicated herein; however, no forest is present on or adjacent to the site. No documented historic sites or rare, threatened, endangered species are present.



COPYRIGHT ADC - THE MAP PEOPLE, PERMITTED USE No. 20995366
VICINITY MAP
 SCALE: 1" = 1000'

FOREST CONSERVATION CALCULATIONS

BASIC SITE DATA	ACRES (1/10)
GROSS SITE AREA	1.34
AREA WITHIN 100 YEAR FLOODPLAIN	0.0
*NET TRACT AREA	0.5
LAND USE CATEGORY	R5C
INFORMATION FOR CALCULATIONS	
A. NET TRACT AREA	0.5
B. REFORESTATION THRESHOLD (20% x A)	0.1
C. AFFORESTATION MINIMUM (15% x A)	0.1
D. EXISTING FOREST ON NET TRACT AREA	0.0
E. FOREST AREAS TO BE CLEARED	0.0
F. FOREST AREAS TO BE RETAINED	0.0
AFFORESTATION CALCULATIONS	
A. NET TRACT AREA	0.5
B. AFFORESTATION THRESHOLD (15% x A)	0.1
C. EXISTING FOREST ON NET TRACT AREA	0.0
D. FOREST AREAS TO BE CLEARED	0.0
E. FOREST AREAS TO BE RETAINED	0.0
AFFORESTATION PROVIDED	
	0.1± ACRE (FEE-IN-LIEU)

*NOTE: THE REMAINDER OF THE SITE WAS NETTED OUT OF THE CALCULATIONS BASED ON BEING WITHIN THE L.O.D OF PREVIOUS SDP'S
 NOTE: THERE ARE NO FLOODPLAINS, STEEP SLOPES, WETLANDS, WETLAND BUFFERS, STREAMS, NOR STREAM BUFFERS ON THIS SITE.

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
Mark D'Angelo 11/29/06
 DIRECTOR DATE
Andy Harvath 11/29/06
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

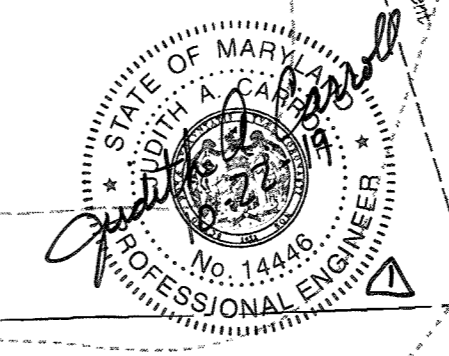
DATE NO. REVISION
 OWNER /DEVELOPER
 HOWARD COUNTY
 DEPARTMENT OF PUBLIC WORKS
 3430 COURT HOUSE DRIVE
 ELLICOTT CITY, MARYLAND 21043

PROJECT **GRASSROOTS
 CRISIS INTERVENTION CENTER**
 AREA TAX MAP 35 ZONED R-8C PARCELS 292 and 406
 8th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE **FOREST CONSERVATION
 AND FOREST STAND
 DELINEATION PLAN** C-7

DMW
 Dan McCune-Walker, Inc.
 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 296-3353
 Fax 296-4705
 A Team of Land Planners,
 Landscape Architects,
 Engineers, Surveyors &
 Environmental Professionals

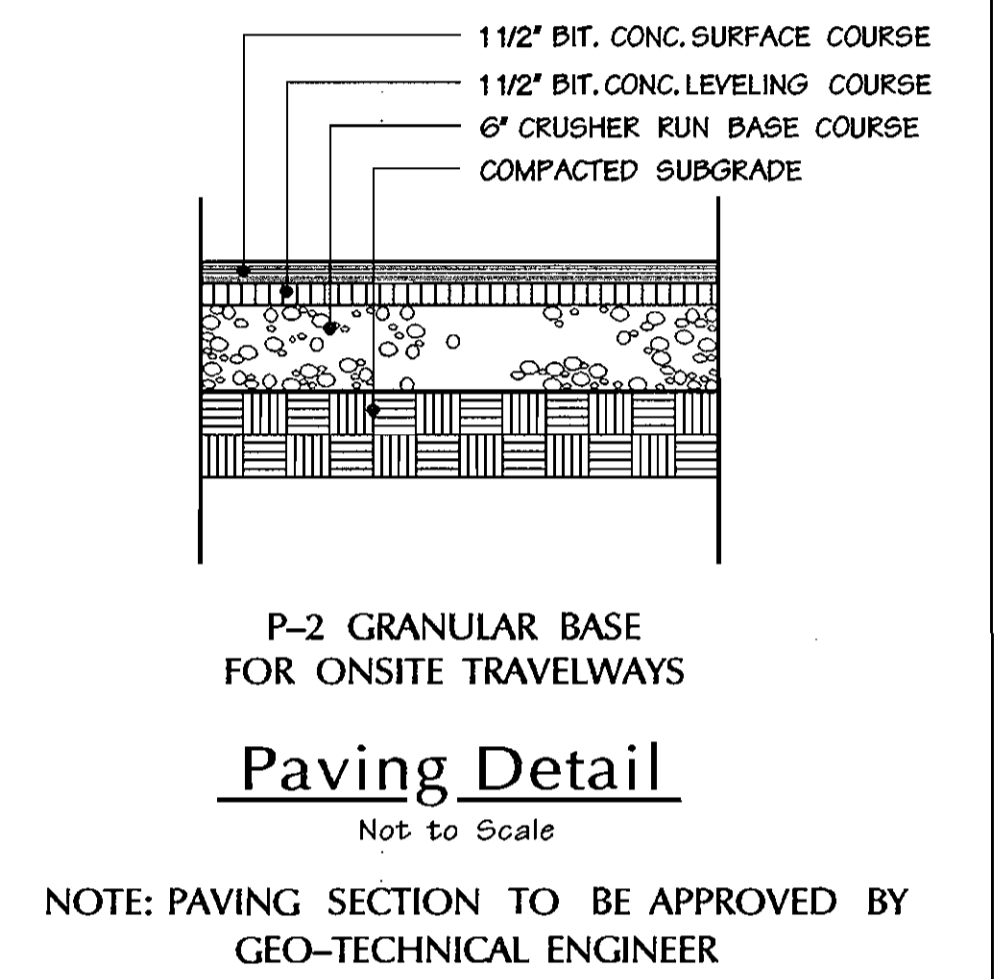
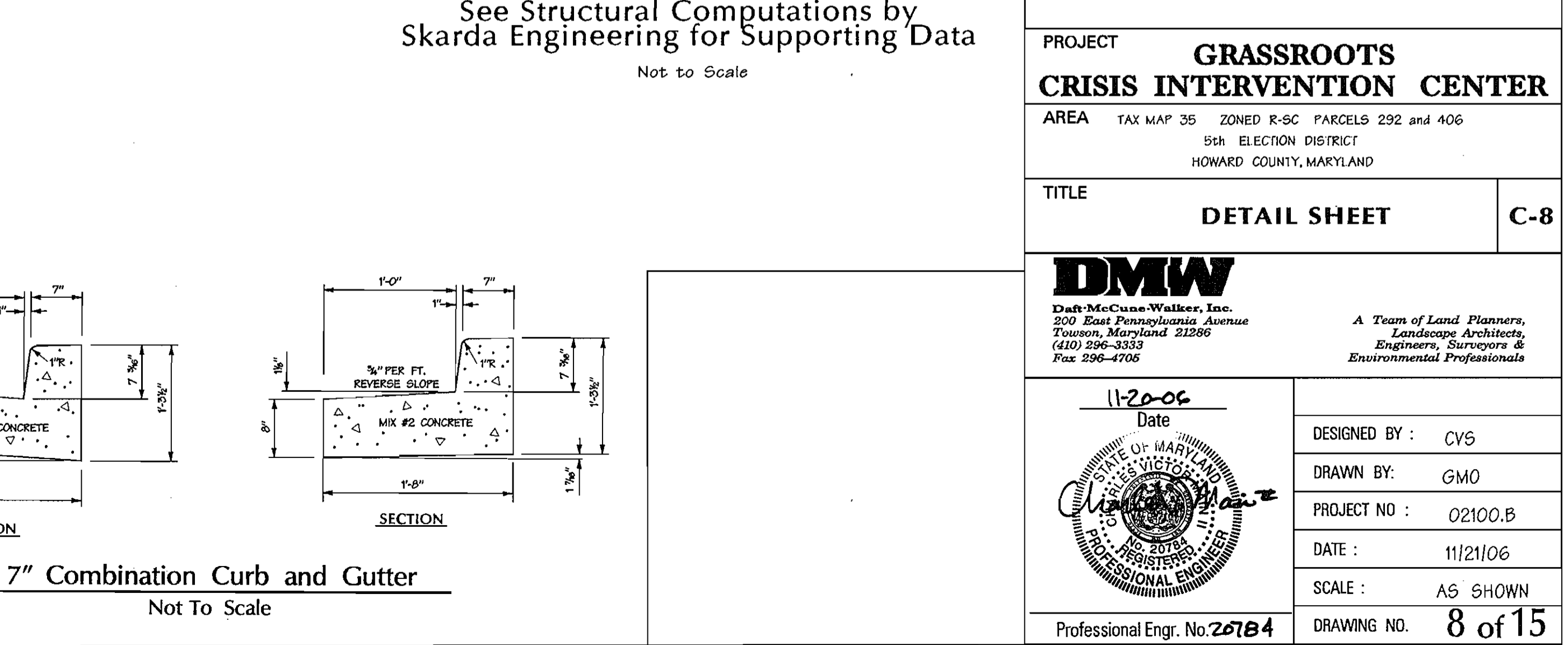
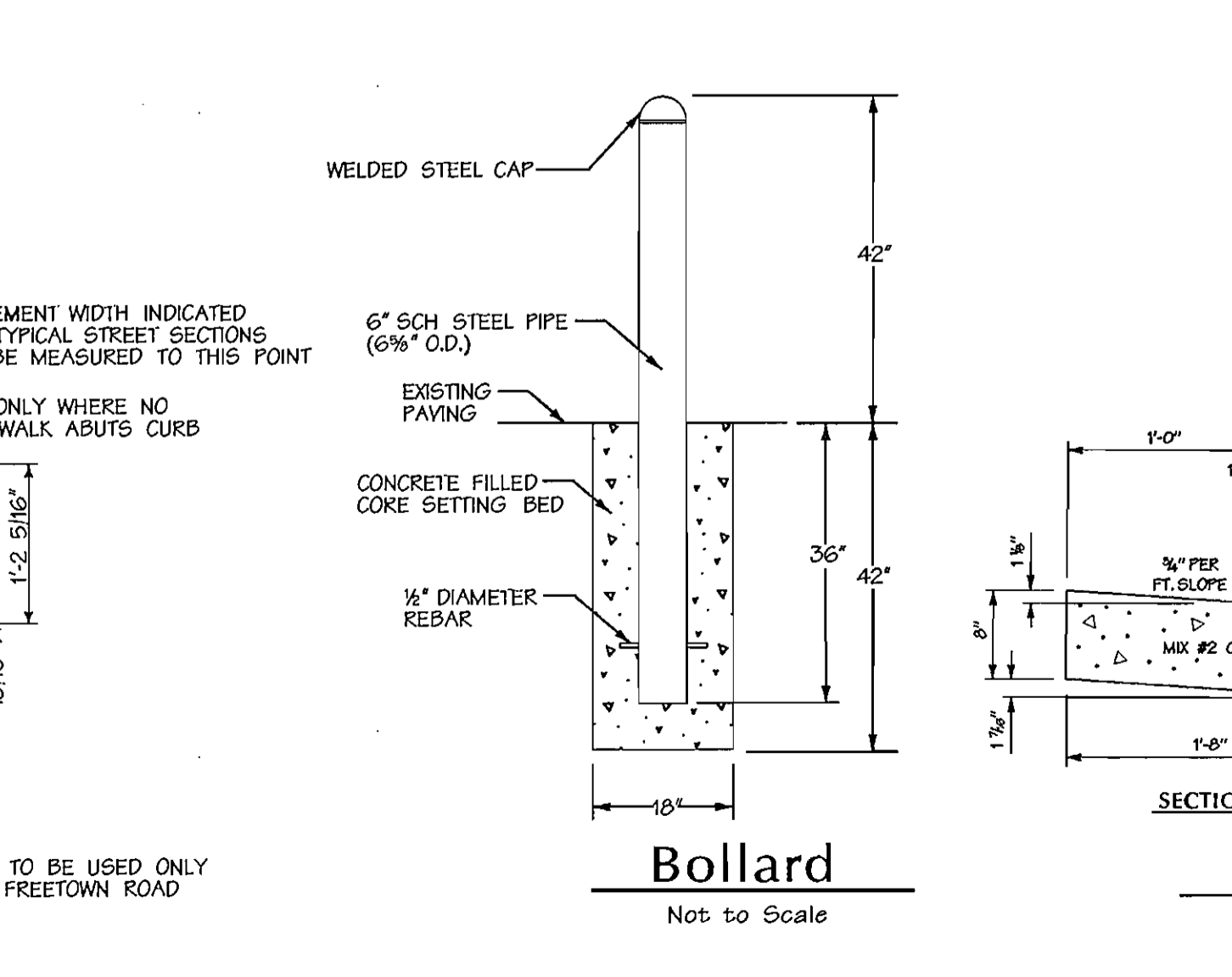
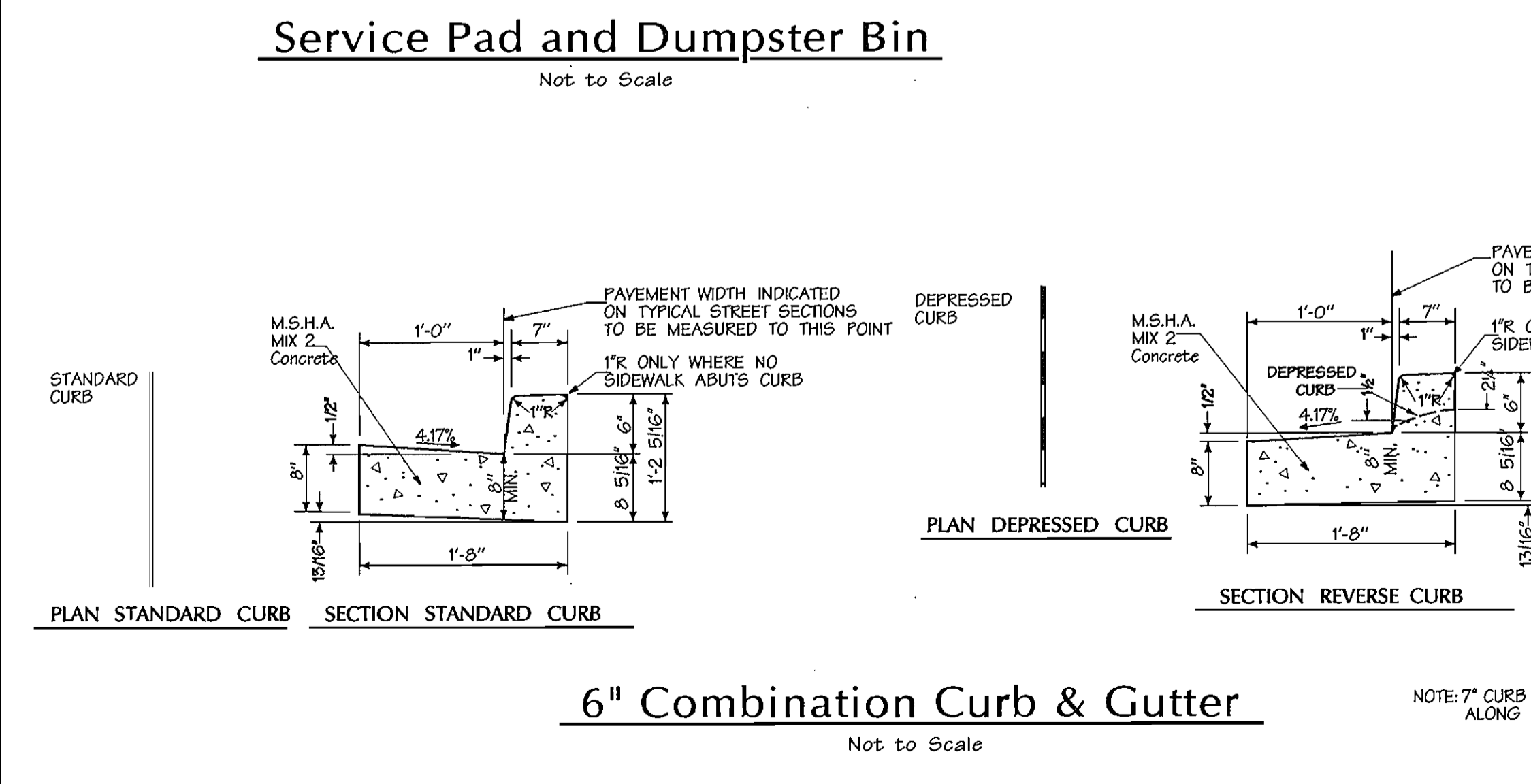
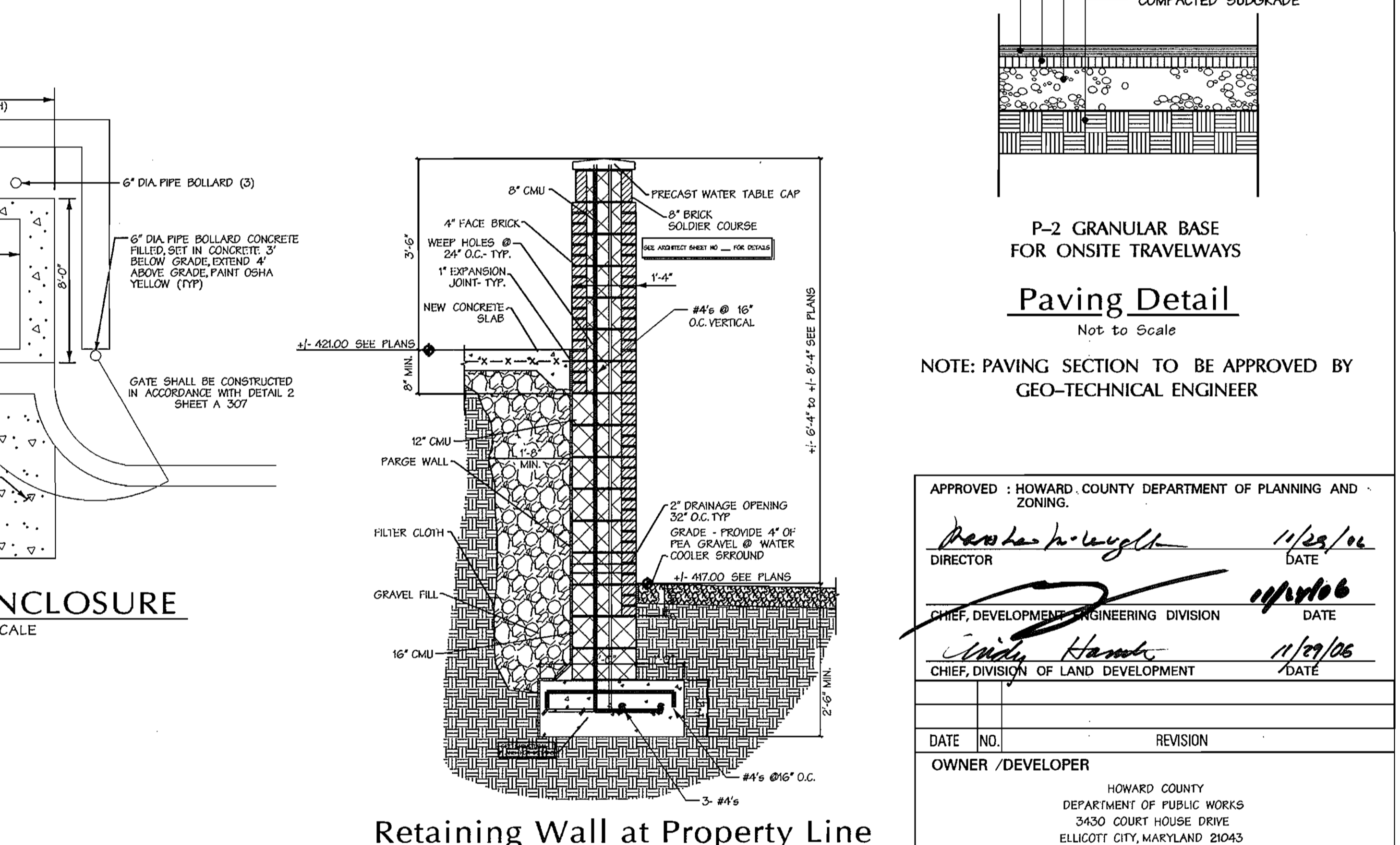
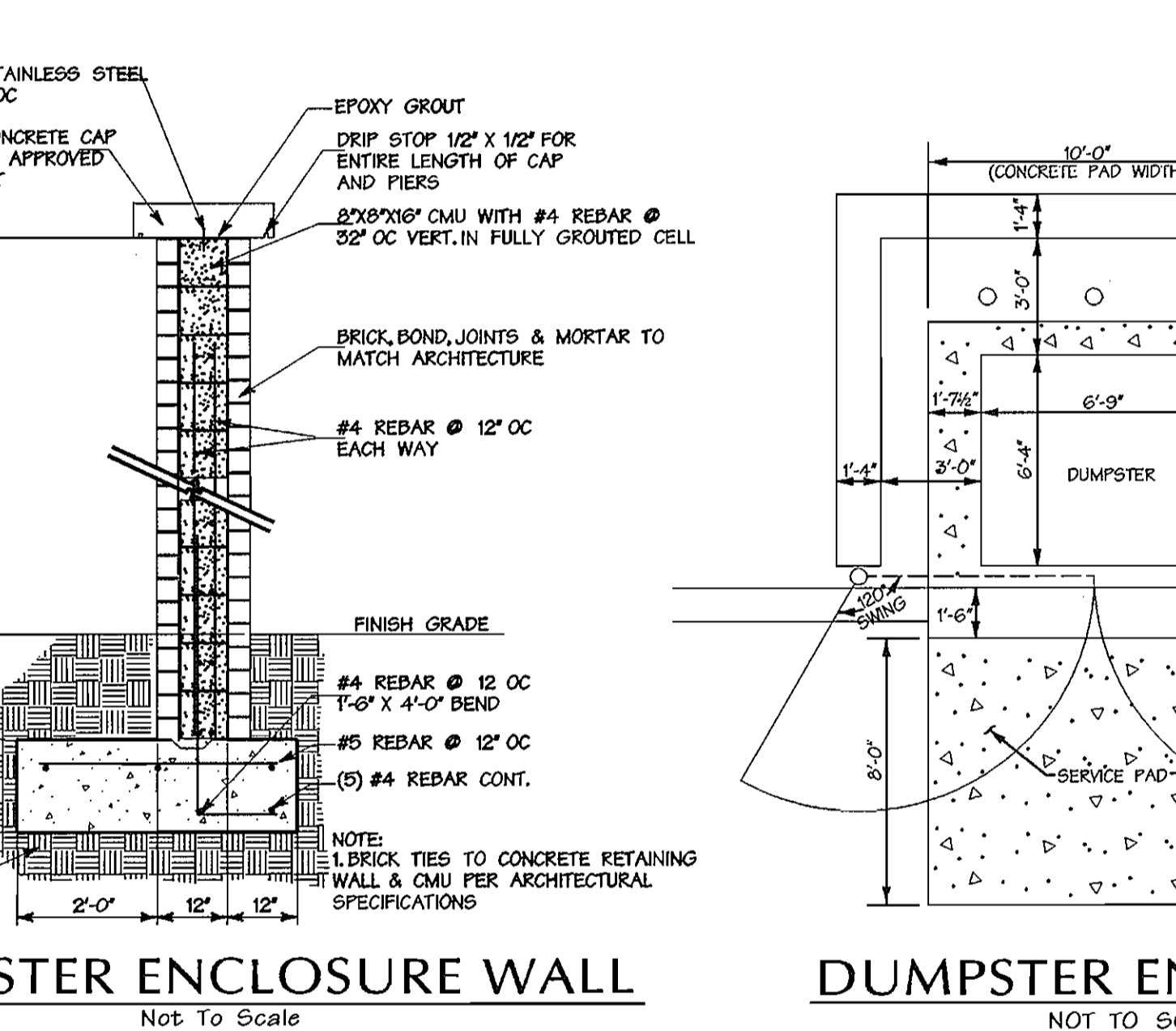
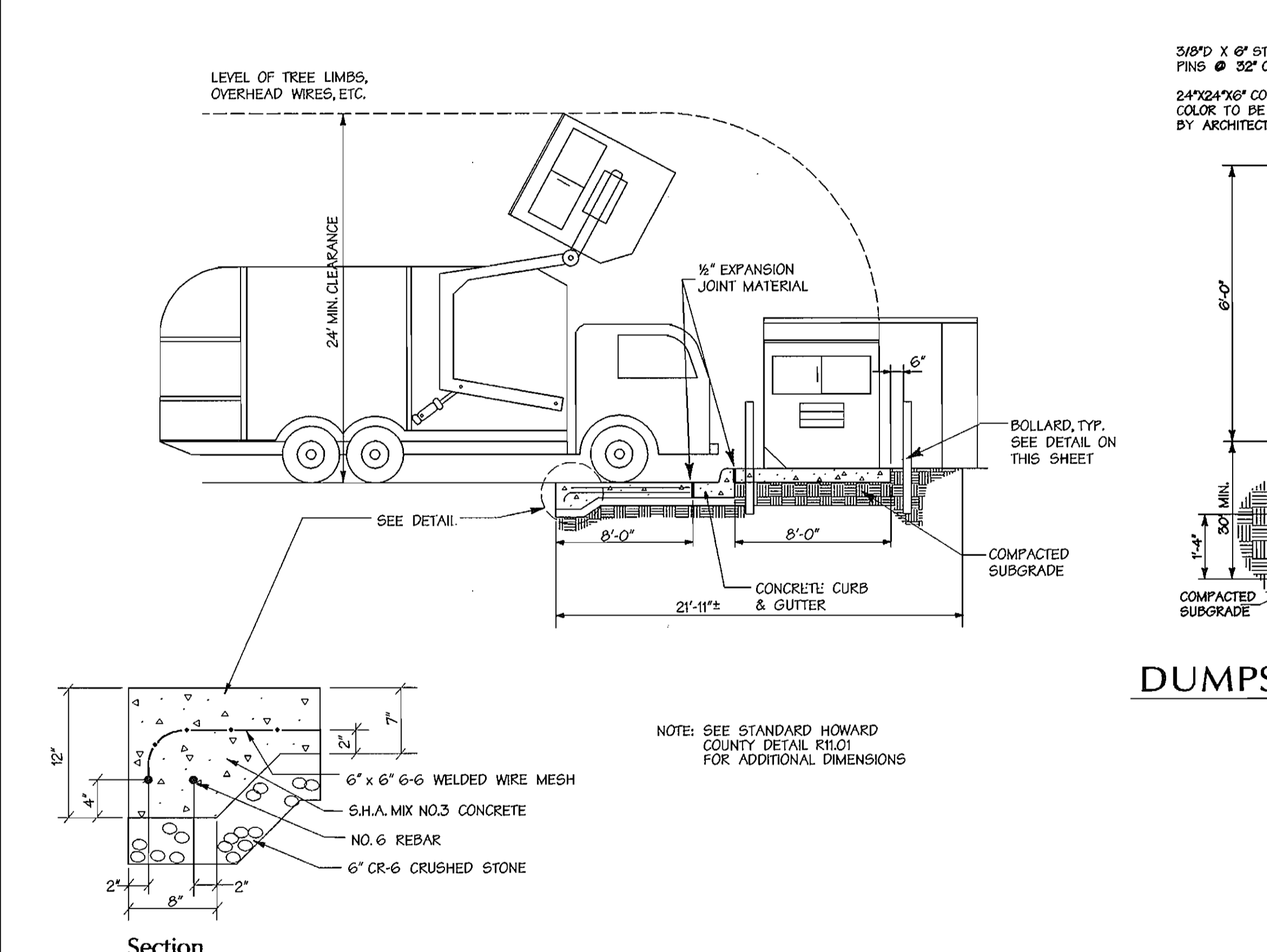
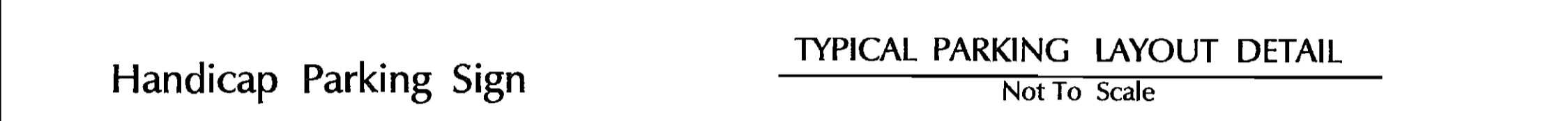
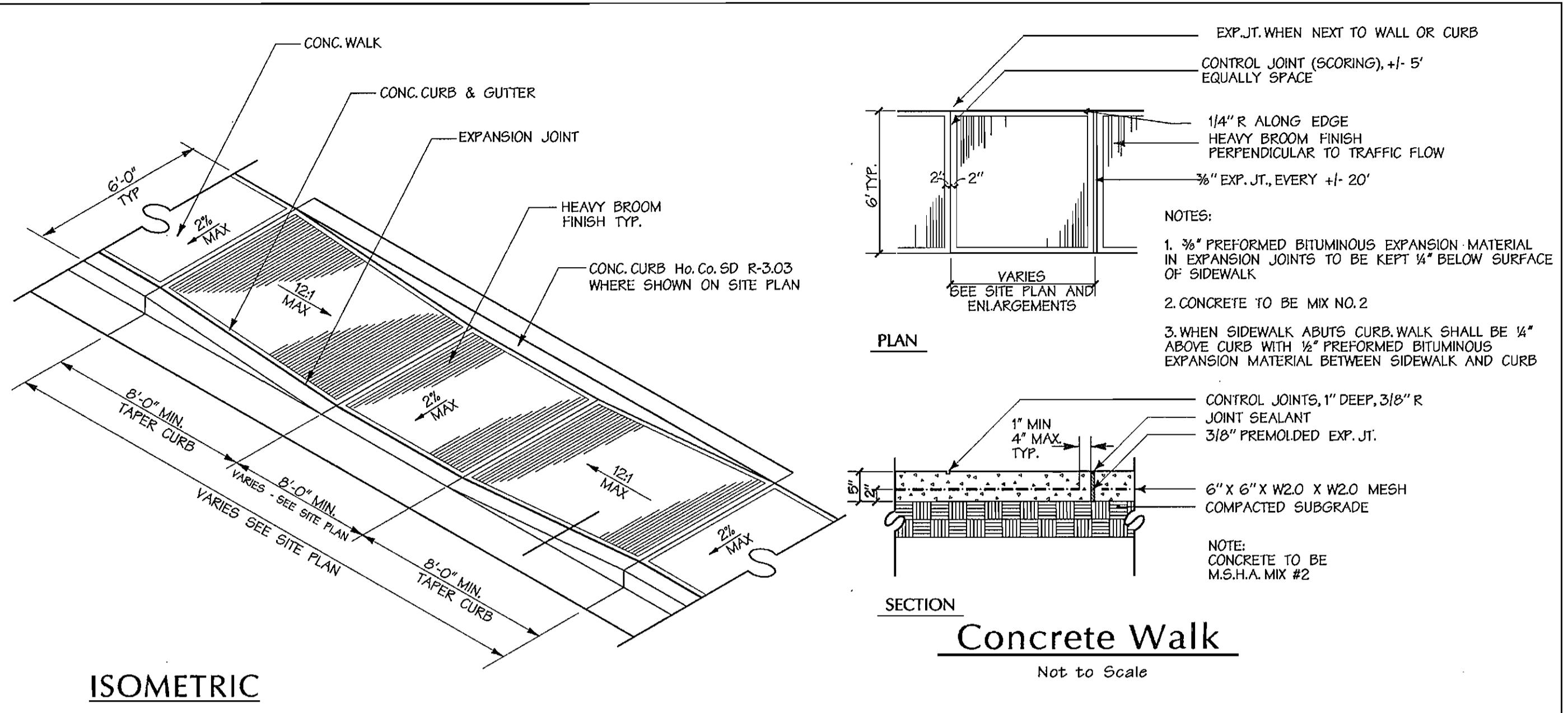
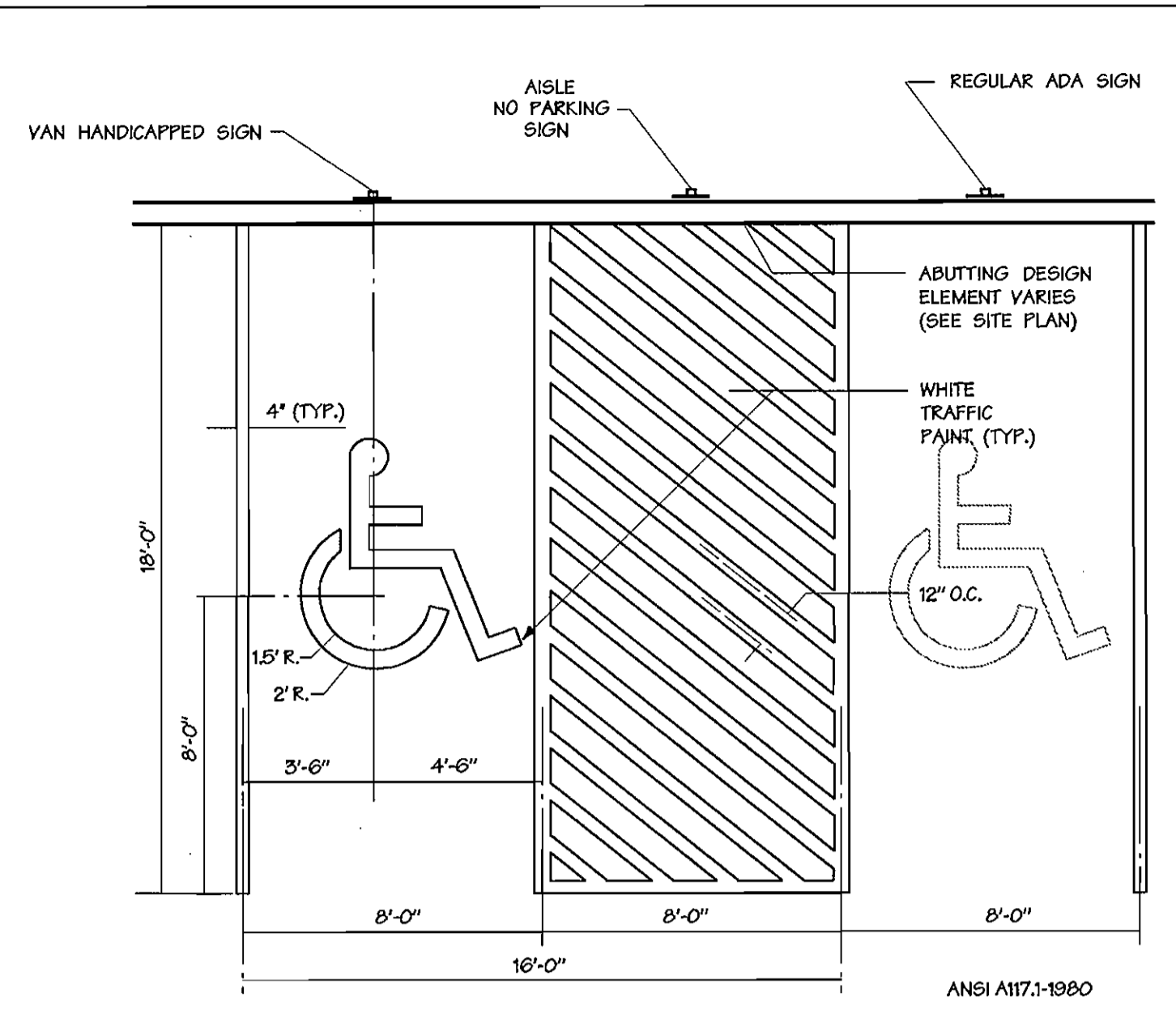
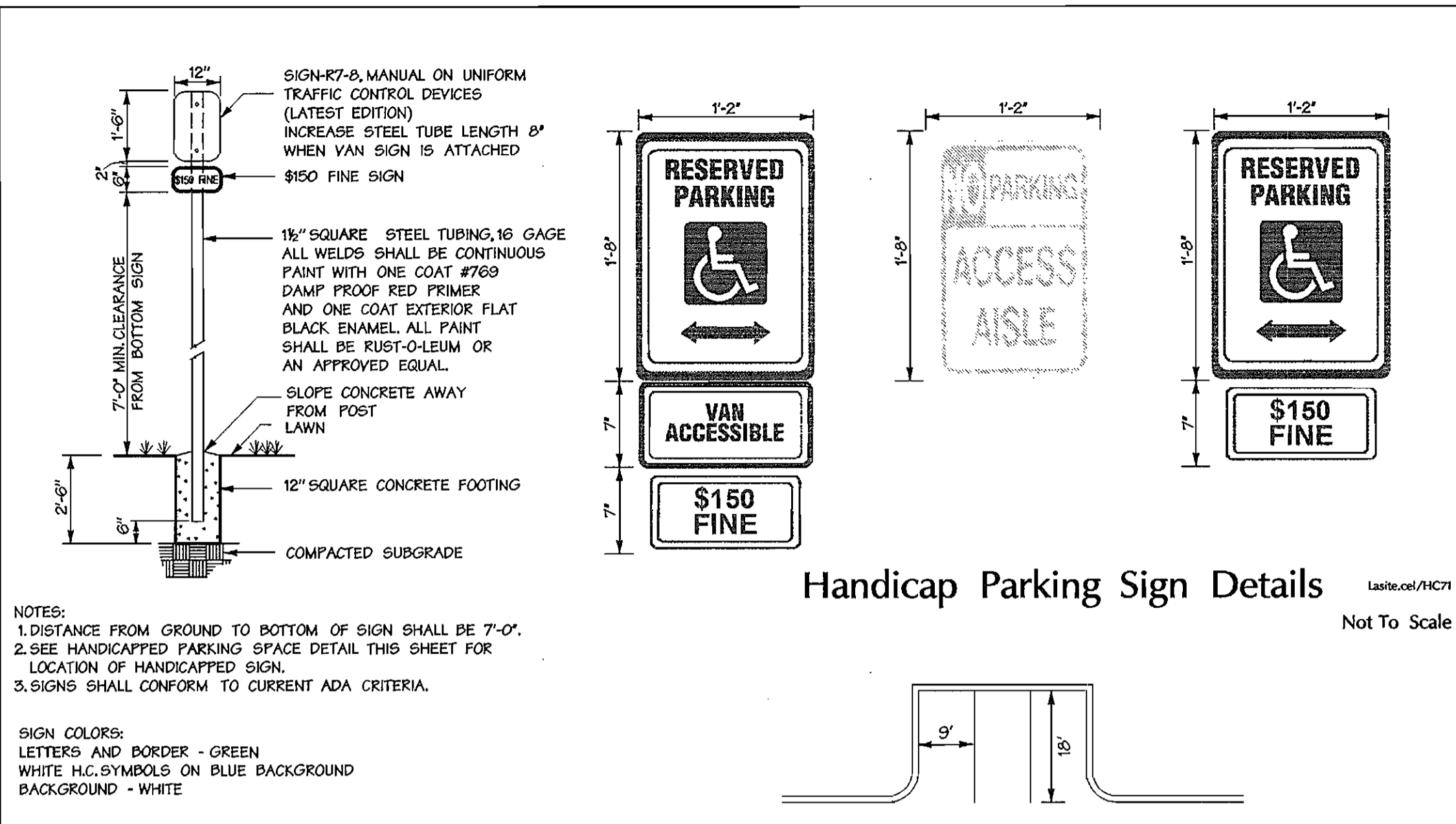
DESIGNED BY : CVS
 DRAWN BY : GMD
 PROJECT NO : 02100.B
 DATE : 11/21/06
 SCALE : 1"=20'
 DRAWING NO. 7 of 15
 Landscape Architect No. 210



2019.10.22 ABANDON EX. 3" WATER
 TO HARRIETT TUBMAN & INSTALL
 6" WATER

BID DOCUMENTS

SDP-06-137



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>Barbara W. Weyler</i> DIRECTOR	11/29/06 DATE
<i>Clayton K. Hamble</i> CHIEF, DIVISION OF LAND DEVELOPMENT	11/29/06 DATE
DATE	NO. REVISION
OWNER / DEVELOPER HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 3430 COURT HOUSE DRIVE ELICOTT CITY, MARYLAND 21043	
PROJECT GRASSROOTS CRISIS INTERVENTION CENTER	
AREA TAX MAP 35 ZONED R-5C PARCELS 292 and 406 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE DETAIL SHEET	C-8
Date 11-20-06	DESIGNED BY: CYS
	DRAWN BY: GWO
	PROJECT NO.: 02100.B
DATE: 11/21/06	SCALE: AS SHOWN
Professional Engr. No. 26184	DRAWING NO. 8 of 15

Mon, Nov 20, 08:17:32 AM 2006 SDP - S:\1021008.SPD
 Mon, Nov 20, 08:17:32 AM 2006 SDP - S:\1021008.SPD

Mon, Nov 20, 08:17:32 AM 2006 SDP - S:\1021008.SPD

DEVELOPER'S/BUILDER'S CERTIFICATE

I HEREBY CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL.

I FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXCLUDED ONE-YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

NAME: *Jan 7. 06* DATE: *11/29/06*

"THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL."

THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.

NOTES:

At the time of plant installation, all shrubs and trees listed and approved on the Landscape Plan shall comply with the proper height requirement in accordance with the Howard County Landscape Manual. In addition, no substitutions or relocations of the required plantings may be made without prior review and approval from the Department of Planning and Zoning.

Should any tree designated for preservation for which landscaping credit is given, die prior to release of bonds, the owner will be required to replace the tree with the equivalent species or with a tree which will obtain the same height, spread and growth characteristics. The replacement tree must be a minimum of 3 inches in caliper and installed as required in the Howard County Landscape Manual.

PLANT LIST

QTY	SYM	BOTANICAL NAME/COMMON NAME	SIZE	REMARKS
LARGE TREES				
2*	AS	ACER SACCHARUM 'GREEN MOUNTAIN'	2 1/2" - 3" CAL.	D & B FULL HEAD
		GREEN MOUNTAIN SUGAR MAPLE	12-14' HT.	
7	QP	QUERCUS PHELLOS	2 1/2" - 3" CAL.	D & B FULL HEAD
		WILLOW OAK	12-14' HT.	
7	GT	GLEDITSIA TRIACANTHOS VAR. INERMIS 'IMPERIAL'	2 1/2" - 3" CAL.	D & B FULL HEAD
		IMPERIAL HONEY LOCUST	12-14' HT.	
ORNAMENTAL TREES				
3*	RB	CERCIS CANADENSIS	12-15' HT.	D & B
		REDBUD		
EVERGREEN TREES				
3	IN	ILEX x 'NELLIE R. STEVENS'	8'-10' HT.	D & B
		NELLIE STEVENS HOLLY		
10	PA	PICEA ABIES	8'-10' HT.	D & B
		NORWAY SPRUCE		
SHRUBS				
122	PL	PRUNUS LAUROCERASUS 'OTTO LUKEN'	24"	#3 CAN. 36" O.C.
		OTTO LUKEN CHERRY LAUREL		
18*	PL	PRUNUS LAUROCERASUS 'OTTO LUKEN'	24"	#3 CAN. 36" O.C.
		OTTO LUKEN CHERRY LAUREL		
30	PF	PHOTINIA x FRASERI	36"	#3 CAN. SPACE AS SHOWN
		RED TIP PHOTINIA		

*ADDITIONAL PLANTINGS NOT REQUIRED BY HOWARD COUNTY.

BOARD OF EDUCATION
HOWARD COUNTY, MARYLAND
L2011 F.596

HOWARD COUNTY
BOARD OF EDUCATION
14.05 275924
PARCEL 292
COMMUNITY SCHOOL

SCHEDULE B

NUMBER OF PARKING SPACES.....30
INTERNAL ISLANDS REQUIRED.....2
1/20 SPACES
INTERNAL ISLANDS PROVIDED.....2
200 SQ. FT./ISLAND
SHADE TREES REQUIRED.....2
1/20 SPACES
SHADE TREES PROVIDED.....2

**SCHEDULE A
PERIMETER LANDSCAPE EDGE**

CATEGORY	ADJACENT TO RIGHT OF WAY	ADJACENT TO PERIMETER PROP.
LANDSCAPE TYPE "A"		
LINEAR FEET OF PERIMETER		165
LANDSCAPE TYPE "B"	2	
LINEAR FEET OF PERIMETER	227	
LANDSCAPE TYPE "C"		5
LINEAR FEET OF PERIMETER		184
LANDSCAPE TYPE "D"		
LINEAR FEET OF PERIMETER		
LANDSCAPE TYPE "E"	1	6
LINEAR FEET OF PERIMETER	76	55
CREDIT FOR EXISTING VEGETATION (DESCRIBE BELOW IF NEEDED)		50%
CREDIT FOR FENCE (DESCRIBE BELOW IF NEEDED)		
NUMBER OF PLANTS REQUIRED		
SHADE TREES (22)	2	5
EVERGREEN TREES (15)	2	5
SHRUBS (62)	20	6
NUMBER OF PLANTS PROVIDED		
SHADE TREES (14)	2	5
EVERGREEN TREES (15)	2	5
SHRUBS (62)	20	6

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- - - EX. CONTOURS
- EX. F.I.H. EX. FIRE HYDRANT
- EX. 30" S. EX. UTILITIES
- EX. BUILDING
- EX. FENCE
- EX. TREE LINE
- EX. TREE
- EX. CURB & GUTTER
- EX. TELEPHONE POLE
- PROP. CURB & GUTTER
- PROP. CONC. WALK
- PROP. CONTOURS
- PROP. BUILDING
- PROP. LIGHT (BY LIGHTING CONSULTANT)
- PARKING LOT ISLAND PER LANDSCAPE MANUAL
- EXISTING BGE OVERHEAD
- ELECTRIC UTILITY LINE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Mark Laugel 11/29/06
DIRECTOR DATE

John W. ... 11/29/06
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Andy Harrold 11/29/06
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE NO. REVISION

OWNER /DEVELOPER

HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELlicott CITY, MARYLAND 21043

PROJECT **GRASSROOTS
CRISIS INTERVENTION CENTER**

AREA TAX MAP 35 ZONED R-9C PARCELS 292 AND 406
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE **LANDSCAPE PLAN C-9**

DMW
Datt-McCune-Walker, Inc.
200 East Pennsylvania Avenue
Fossom, Maryland 21206
(410) 296-3333
Fax 296-3705
A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

DESIGNED BY : MJP
DRAWN BY : SRG/GHH
PROJECT NO : 02100.B
DATE : 11/21/06
SCALE : 1"=20'
DRAWING NO. 9 of 15

Landscaping Arch. No. *Web*

Mon Nov 20 14:17:24 2006

Mon Nov 20 14:18:24 2006

OUTDOOR LIGHT FIXTURE INFORMATION

FIXTURE NO.	HEIGHT (FEET)	TYPE	SHIELD	INTENSITY LUMENS WATTAGE
S1	1.5	BOLLARD	RIBBED 360° OUTPUT MINIMAL (7) SPREAD	2000 15
S2	2	RECESSED STEP LIGHT	NONE	1050 75
S3 (TYP.)	REFER TO ARCH ELEVATIONS	SOFFIT TYPE LIGHTING	WALL WASH	1510 26

NOTE: LIGHTING DESIGN BY SCHLENGER / FITZ AND ASSOCIATES, INC.

LEGEND

	PROPERTY LINE
	EASEMENT LINE
	EX. CONTOURS
	EX. FIRE HYDRANT
	EX. UTILITIES
	EX. BUILDING
	EX. FENCE
	EX. TREE LINE
	EX. TREE
	EX. CURB & GUTTER
	EX. TELEPHONE POLE
	PROP. CURB & GUTTER
	PROP. CONC. WALK
	PROP. CONTOURS
	PROP. BUILDING

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

David H. Cagle 11/29/16
DIRECTOR DATE

[Signature] 11/16/16
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 11/29/16
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE NO. REVISION

OWNER /DEVELOPER
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELLCOTT CITY, MARYLAND 21043

PROJECT **GRASSROOTS
CRISIS INTERVENTION CENTER**

AREA TAX MAP 35 ZONED R-6C PARCELS 292 and 406
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE **LIGHTING PLAN** **C-10**

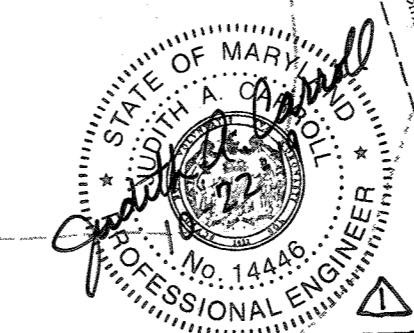
DMW
Darr-McCune-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax: 296-4705

DESIGNED BY : MJP
DRAWN BY : GMO
PROJECT NO : 02100.B
DATE : 11/21/16
SCALE : 1"=20'
DRAWING NO. **10 of 15**

SDP-06-137

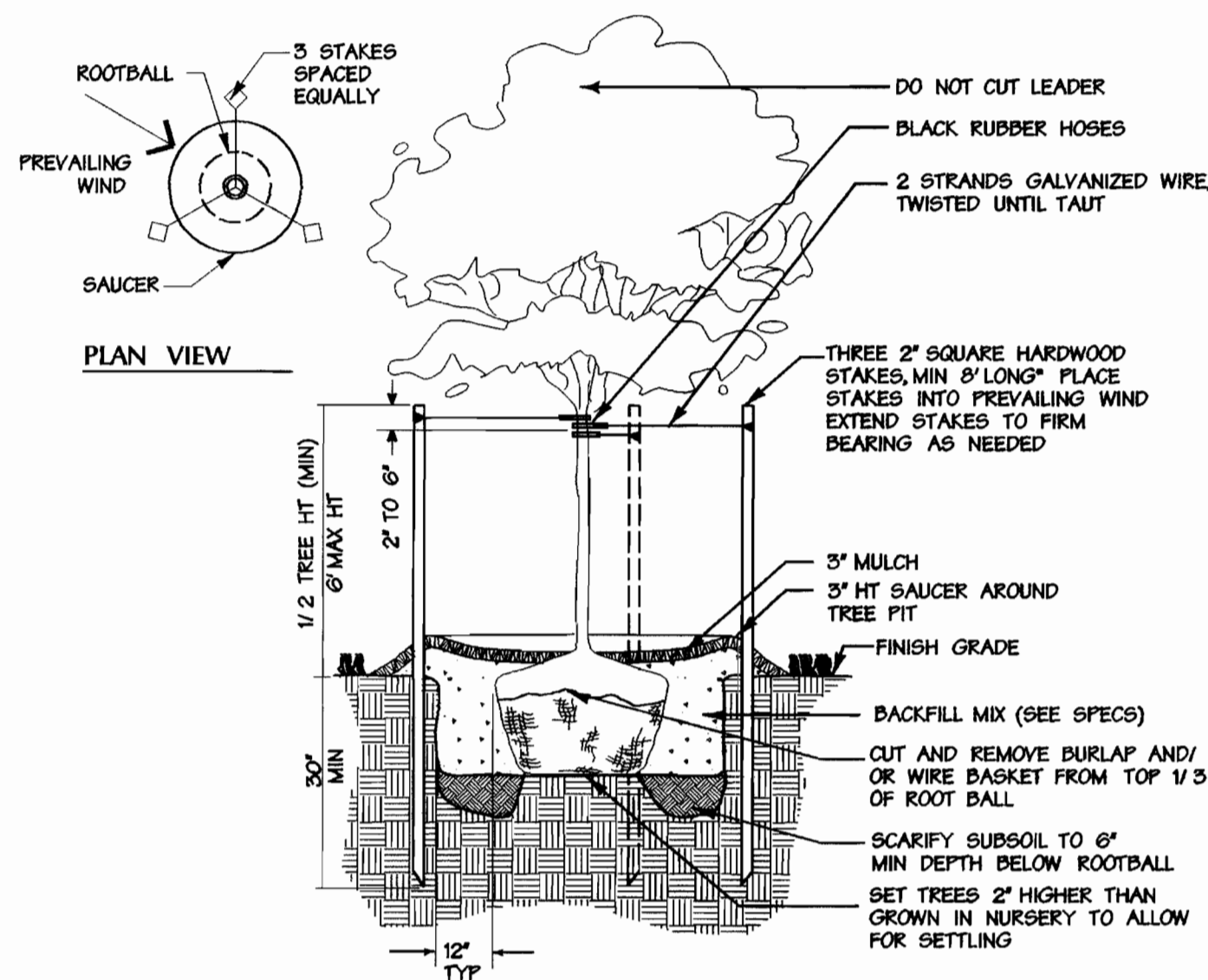


2019.10.22 ABAND. EX. 3\" WATER
TO HARRIET TUBMAN & INSTALL
6\" WATER.



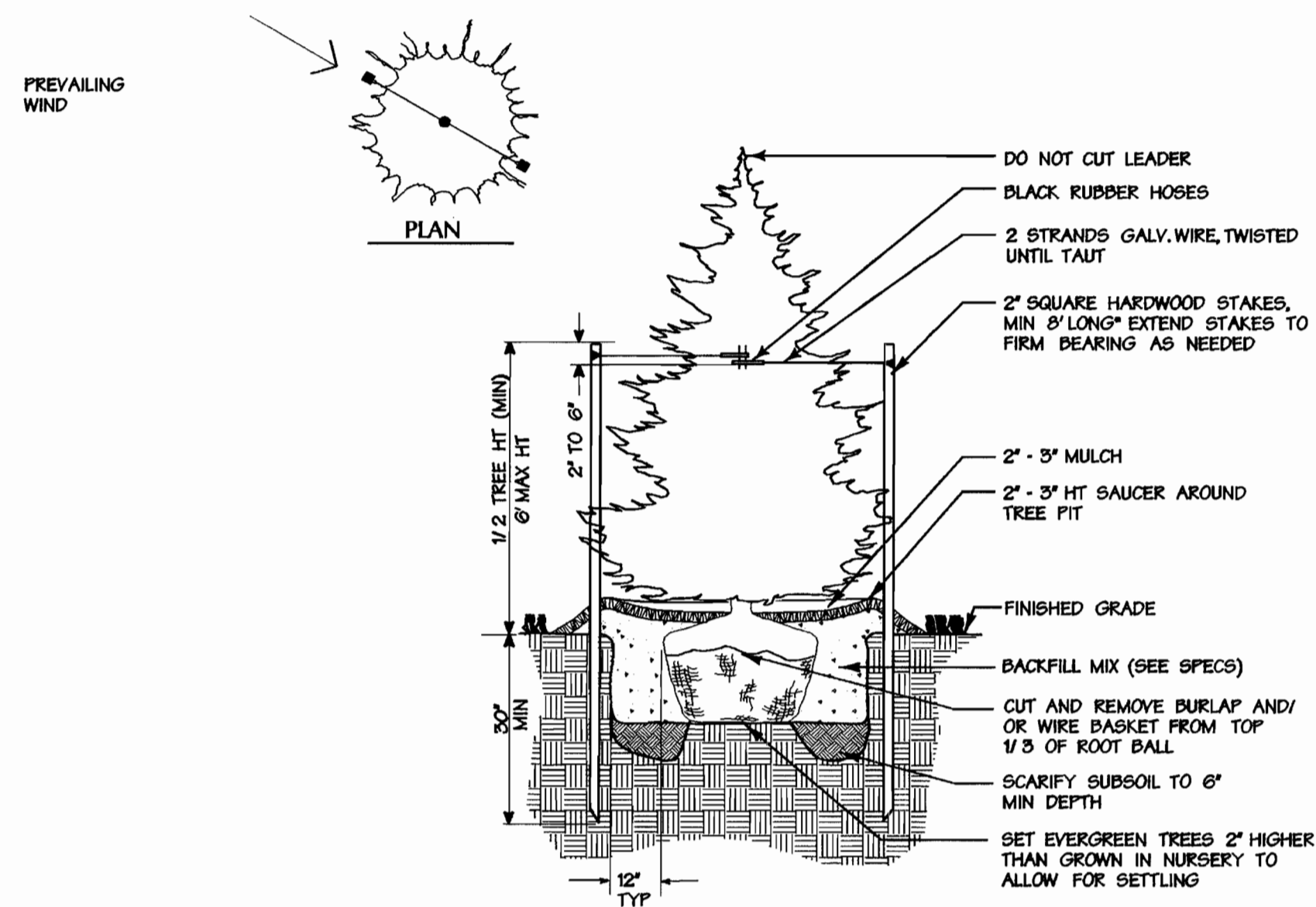
Mon Nov 20 08:14:06 2016 027008.SDP Set: 02100.B.02

Mon Nov 20 08:14:10 2016 027008.SDP Set: 02100.B.02



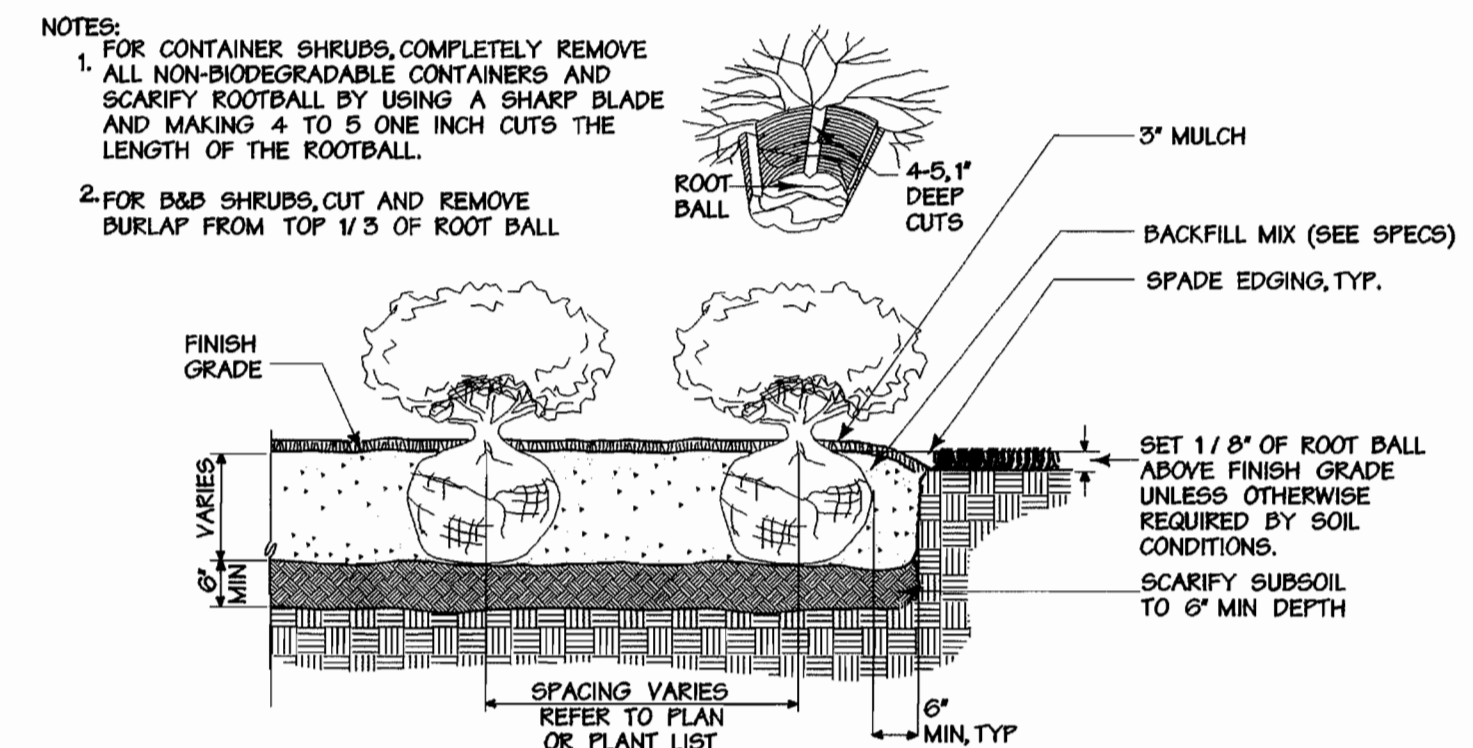
Deciduous Tree Planting Detail

Not to Scale



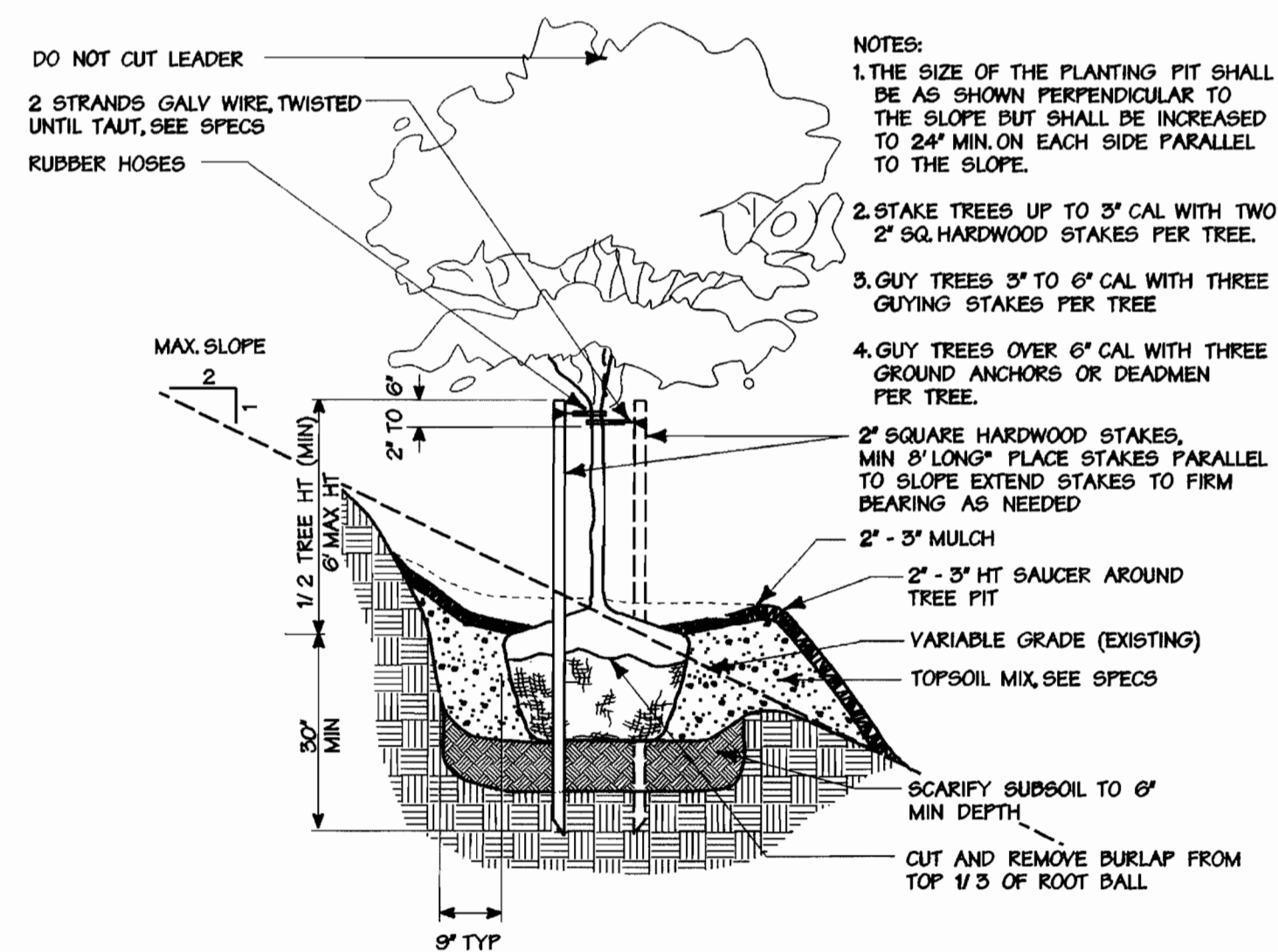
Evergreen Tree Planting Detail

Not to Scale



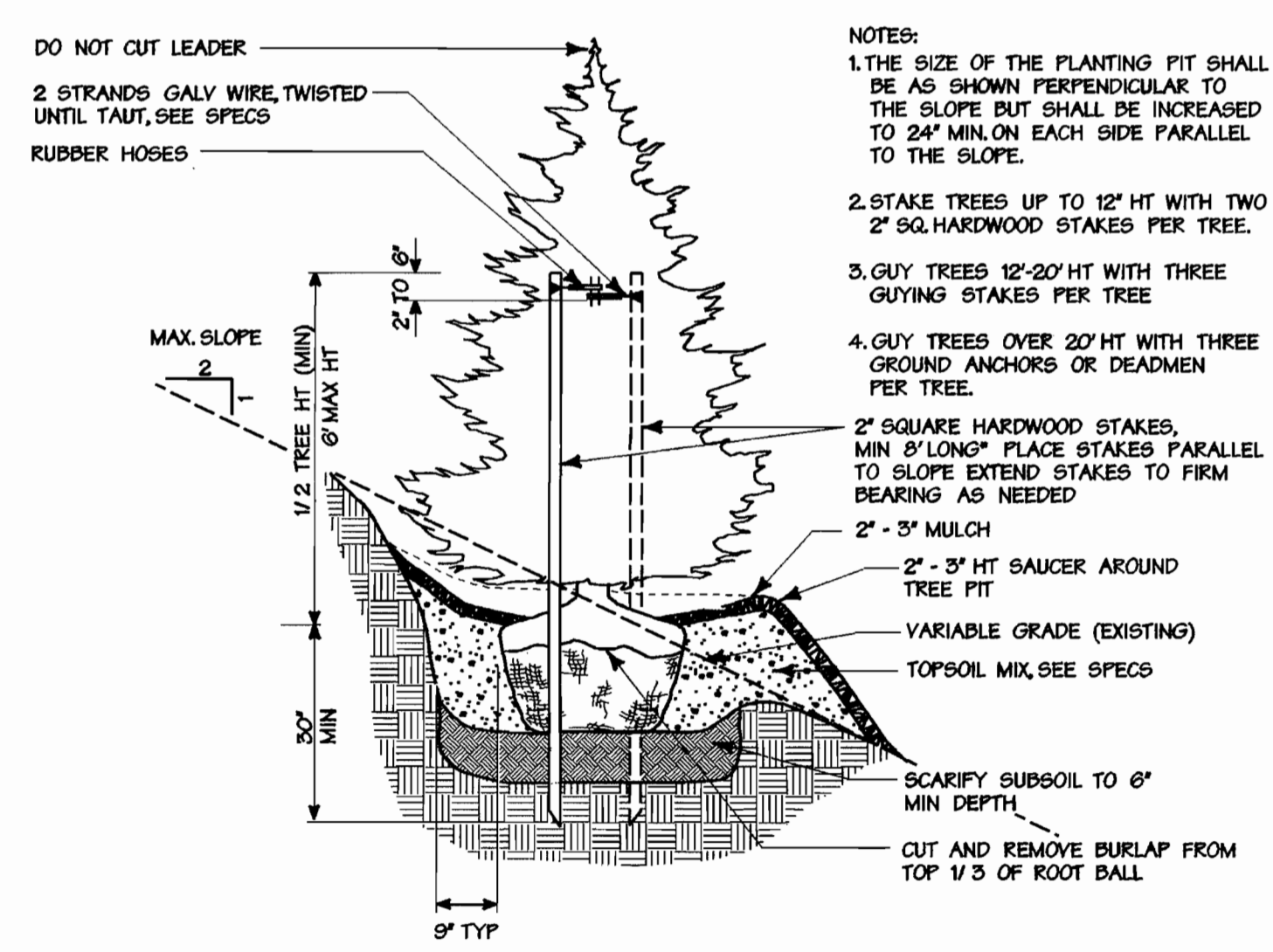
Shrub Bed Planting Detail

Not to Scale



Deciduous Tree Planting on Slope

Not to Scale



Evergreen Tree Planting on Slope

Not to Scale

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>Howard H. Leighton</i>	11/28/06
DIRECTOR	DATE
<i>[Signature]</i>	11/28/06
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	11/29/06
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE

DATE	NO.	REVISION
------	-----	----------

OWNER /DEVELOPER
 HOWARD COUNTY
 DEPARTMENT OF PUBLIC WORKS
 3430 COURT HOUSE DRIVE
 ELLICOTT CITY, MARYLAND 21043

PROJECT **GRASSROOTS CRISIS INTERVENTION CENTER**
 AREA TAX MAP 35 ZONED R-5C PARCEL 292 and 406
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE **LANDSCAPE DETAILS C-11**

DMW
 Dale McCaskey-Walkers, Inc.
 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 296-3333
 Fax 296-4706
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

Date: 11/28/06
 DESIGNED BY: MJP
 DRAWN BY: WDE
 PROJECT NO: 02100.B
 DATE: 11/21/06
 SCALE: N/A
 DRAWING NO. 11 of 15

Landscape Arch. No. 266

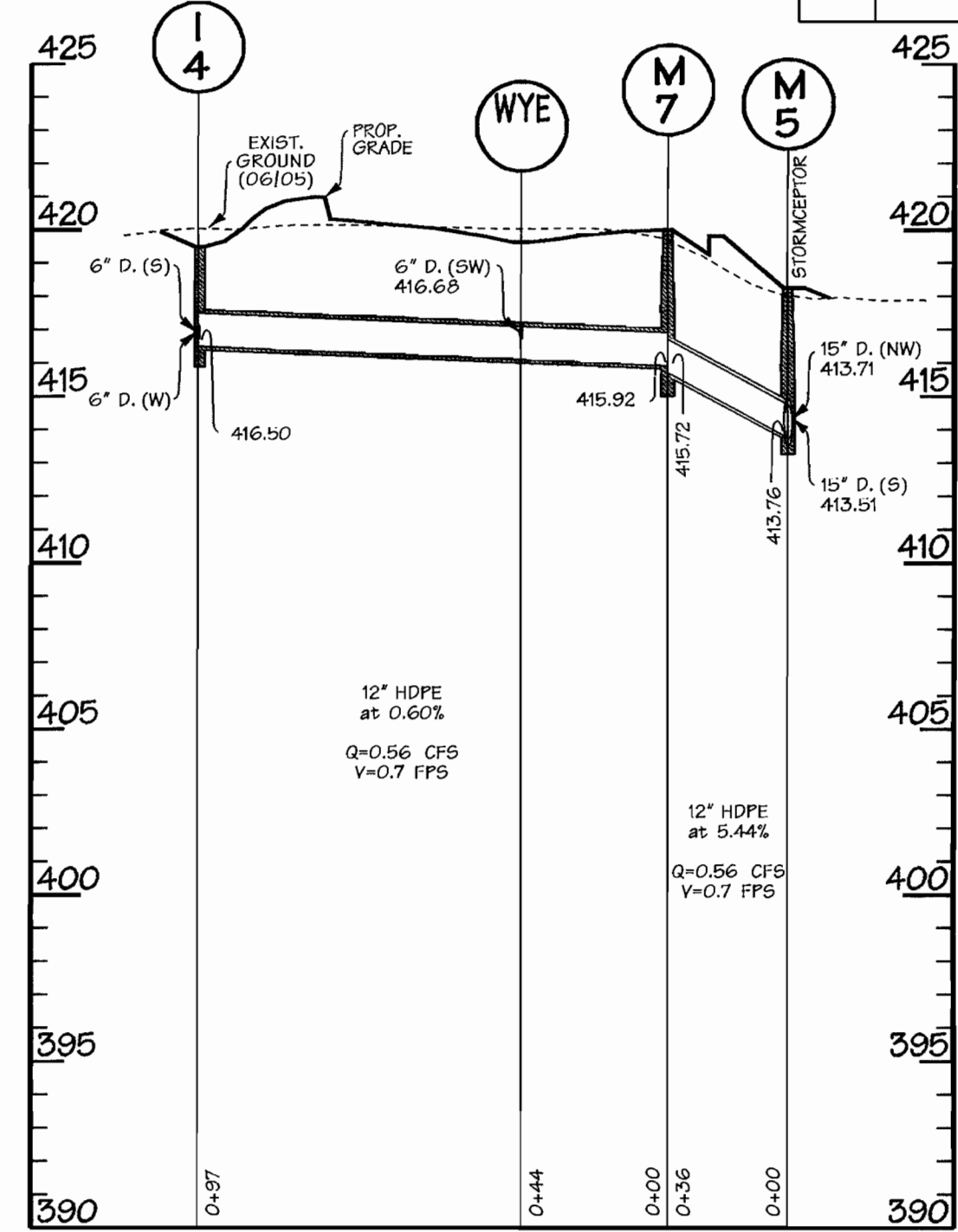
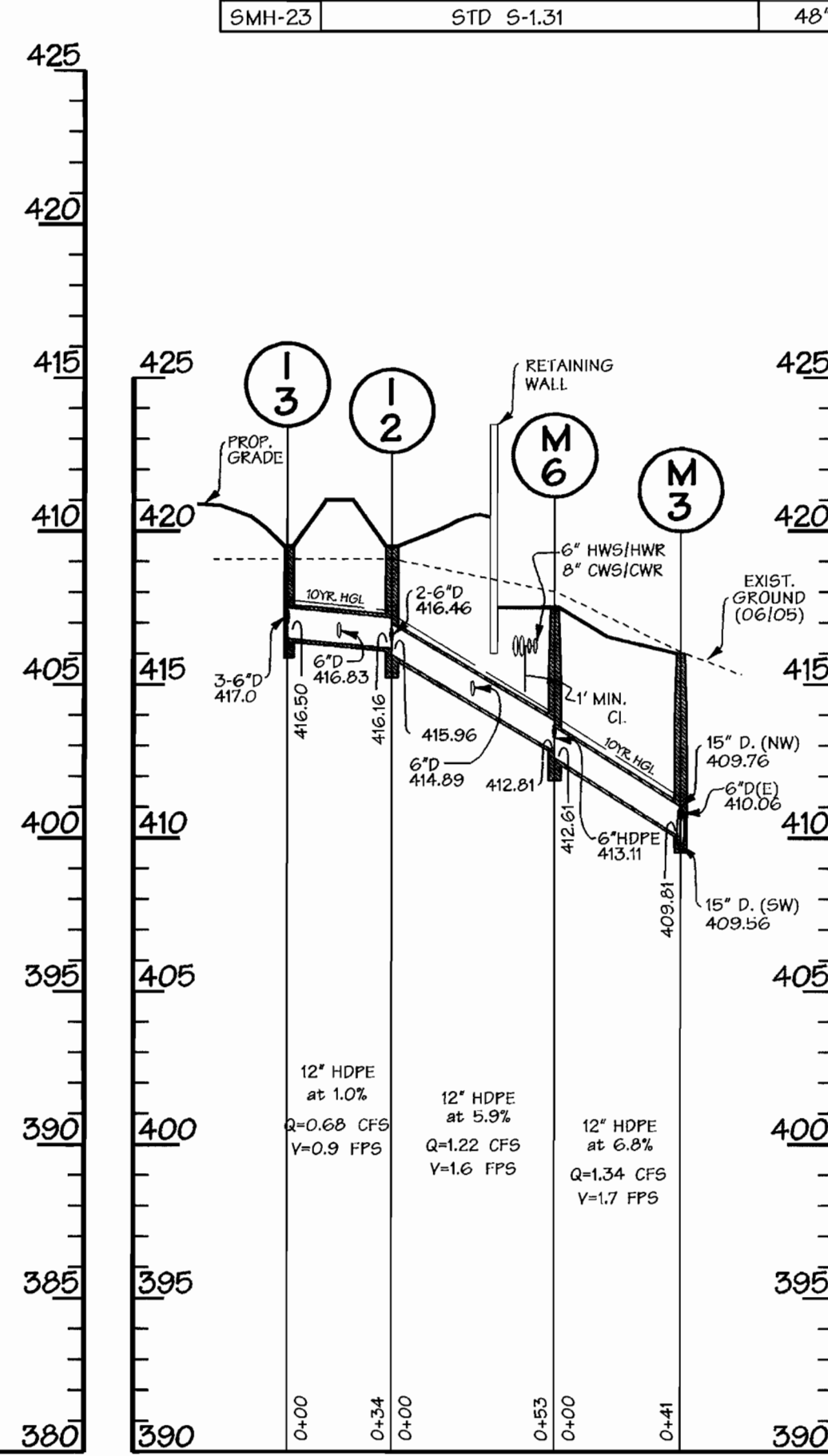
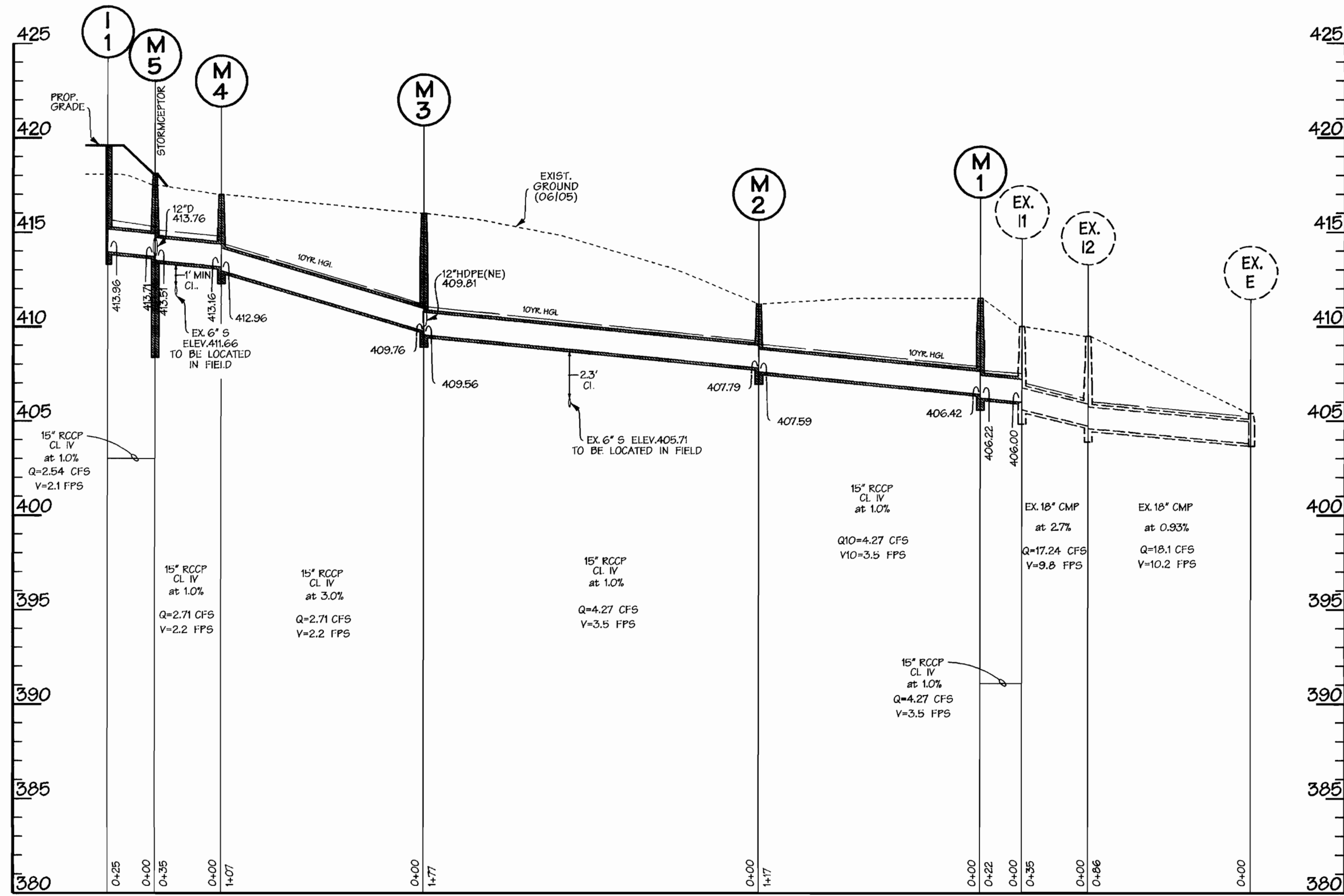
PROPOSED SANITARY

NO.	TYPE	SIZE	INV. OUT	TOP ELEV.	LOCATION
SMH-21	STD 5-1.31	48"	404.71	416.0	SEE PLAN
SMH-22	STD 5-1.31	48"	409.50	416.3	SEE PLAN
SMH-23	STD 5-1.31	48"	416.33	420.5	SEE PLAN

STRUCTURE SCHEDULE

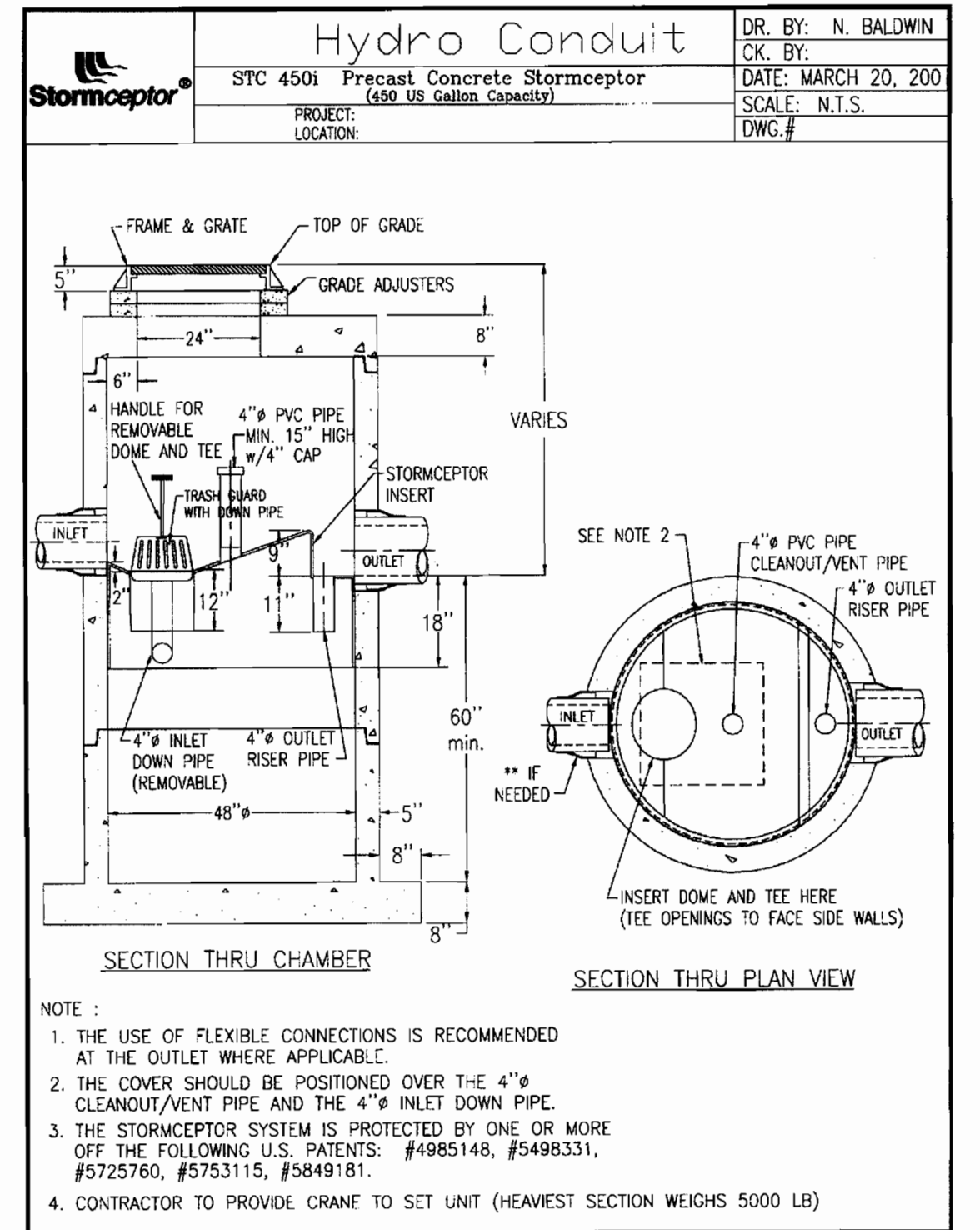
NO.	TYPE	SIZE	INV. OUT	TOP ELEV.	LOCATION
I-1	TYPE 'A-5' INLET 5D-4.01	24"x24"	413.96	419.6	SEE PLAN
I-2	NDS 2413,2404, 2410 CATCH BASIN	24"x24"	415.96	419.5	SEE PLAN
I-3	NDS 2413,2404, 2410 CATCH BASIN	24"x24"	416.50	419.5	SEE PLAN
I-4	NDS 2413,2404, 2410 CATCH BASIN AND CATCH BASIN EXTENTION 2410	24"x24"	416.50	419.5	SEE PLAN
M-1	STD. G-5.12	48"	406.22	411.3	SEE PLAN
M-2	STD. G-5.12	48"	407.59	411.3	SEE PLAN
M-3	STD. G-5.12	48"	409.56	416.0	SEE PLAN
M-4	STD. G-5.12	48"	412.96	417.5	SEE PLAN
M-5	STORMCEPTOR, SEE BELOW	48"	413.51	418.2	SEE PLAN
M-6	STD. G-5.12	48"	412.61	417.00	SEE PLAN
M-7	STD. G-5.12	48"	415.72	420.00	SEE PLAN

NOTE: ELEVATION FOR TYPE 'D' INLETS IS THROAT OPENING ELEVATION, TOP OF CURB FOR TYPE 'A-5'

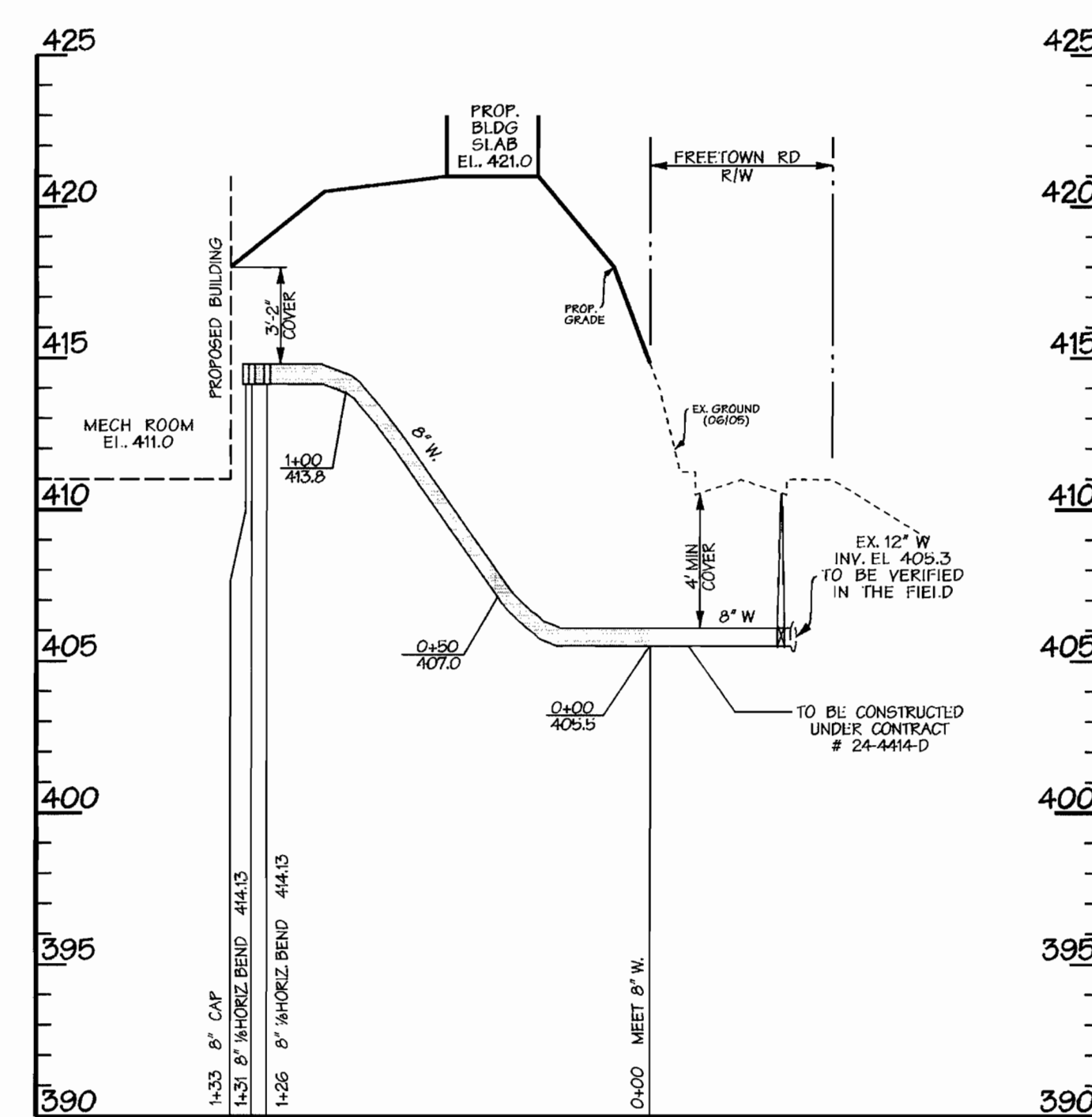


STORM DRAIN PROFILES

SCALE: HORIZ. 1"=50'
VERT. 1"=5'

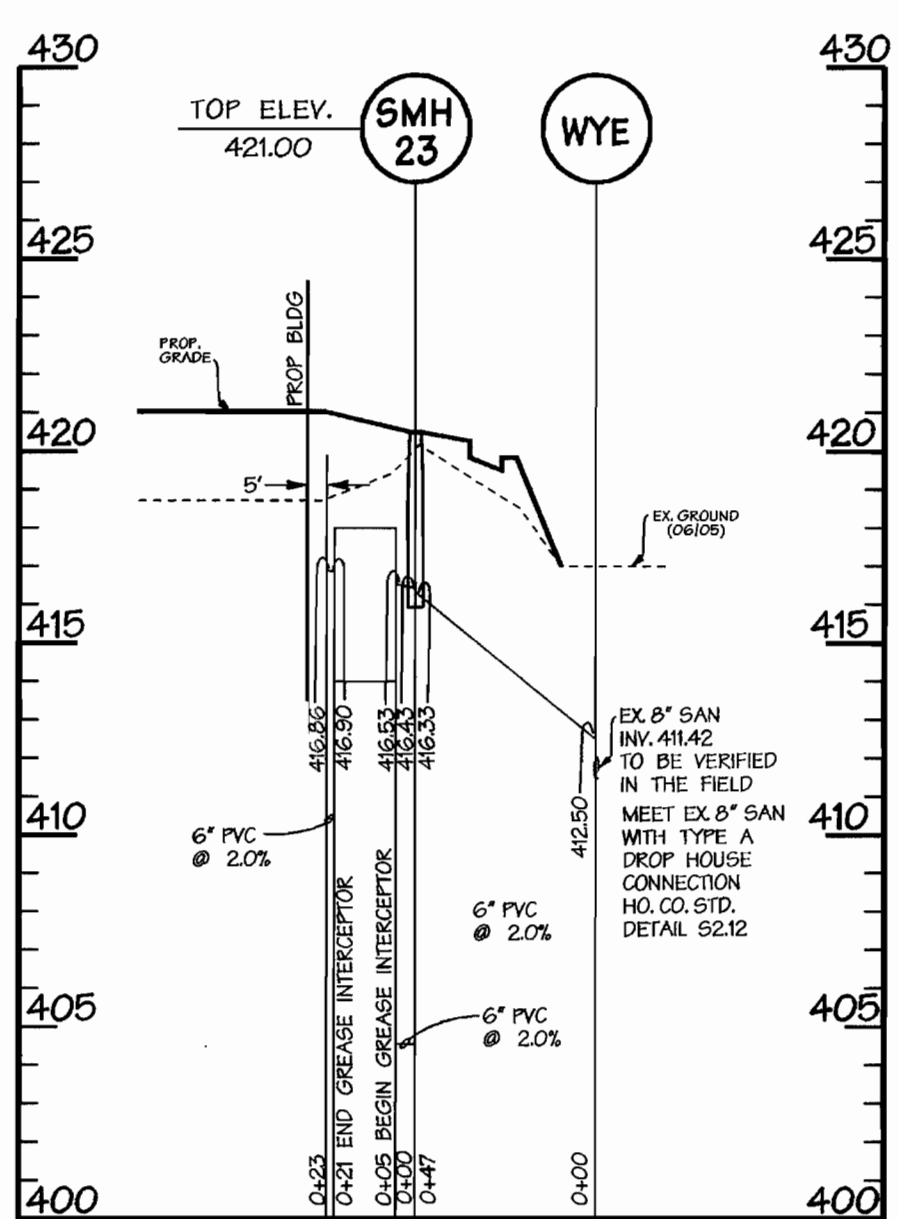


- NOTE:
- THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE OUTLET WHERE APPLICABLE.
 - THE COVER SHOULD BE POSITIONED OVER THE 4" CLEANOUT/VENT PIPE AND THE 4" INLET DOWN PIPE.
 - THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181.
 - CONTRACTOR TO PROVIDE GRADE TO SET UNIT (HEAVIEST SECTION WEIGHS 5000 LB)



WATER CONNECTION

SCALE: HORIZ. 1"=50'
VERT. 1"=5'



SANITARY PROFILE

SCALE: HORIZ. 1"=50'
VERT. 1"=5'

Precast Concrete Stormceptor Order Request Form

Contractor Information
 Name _____
 Address _____
 City _____
 State _____
 Zip _____
 Contact _____
 Phone _____
 Fax _____

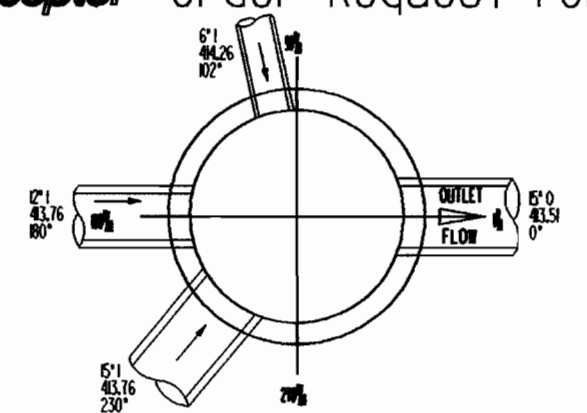
General/Prime Contractor
 Name _____
 Phone _____
 Fax _____

Owner Information
 Name: Howard County, DEW
 Phone: (410) _____
 Fax: (410) _____

Stormceptor Model
 450 2400 1200
 500 3500 1000-
 1200 4800 1500-
 1800 6000 2000-

Project Name: Grassroots Crisis Intervention Center
 Bonded? _____ Bonding Company _____ Telephone _____ Bond # _____
 Tax Exempt? _____ Approximate time frame of delivery (weeks) _____
 Delivery Address Street (for permits) _____
 City _____ State _____ Zip Code _____
 Designer Company: DMW, Inc.
 Designer Contact: Jeff Schaub Phone: (410) 296-3333 Fax: (410) 296-4105

PLEASE FILL OUT COMPLETELY AND FAX TO:
 ATTN: BRIAN GINGRICH FAX: (301) 698-5351, PHONE: (800) 414-7960 Ext. 240



Please draw orientation of inlet and outlet pipes on diagram along with the pipe inside diameter (in) and insert diameter (in). Clearly mark inlet pipes with an 'I' and outlet pipes with an 'O'. Please provide the inlet/outlet pipe angle in degrees.

Stormceptor Model	Manhole Number
450	45
500	48.2
1200	43.7
1800	43.5
2400	43.76

PIPE SCHEDULE

SIZE	TYPE & CLASS	LENGTH
6"	HDPE	440'
6"	PVC	125'
12"	HDPE	485'
15"	HDPE	260'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
 Director: *Mark A. Coughlin* 1/23/06
 Chief Development Engineering Division: *Cindy Heston* 1/23/06
 Chief, Division of Land Development

DATE: _____ NO. _____ REVISION _____
 OWNER / DEVELOPER: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS, 3430 COURT HOUSE DRIVE, ELLICOTT CITY, MARYLAND 21043

PROJECT: GRASSROOTS CRISIS INTERVENTION CENTER
 AREA: TAX MAP 35 ZONED R-5C PARCELS 292 and 406, 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: UTILITY PROFILES C-12

DMW
 Draft-McCune-Walker, Inc.
 200 East Pennsylvania Avenue, Towson, Maryland 21286
 (410) 296-3333 Fax 296-4706
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

Date: 11-20-06
 DESIGNED BY: CYS
 DRAWN BY: GWO
 PROJECT NO: 02100.B
 DATE: 11/21/06
 SCALE: AS SHOWN
 DRAWING NO. 12 of 15
 Professional Engr. No. 26184



SDP-06-137

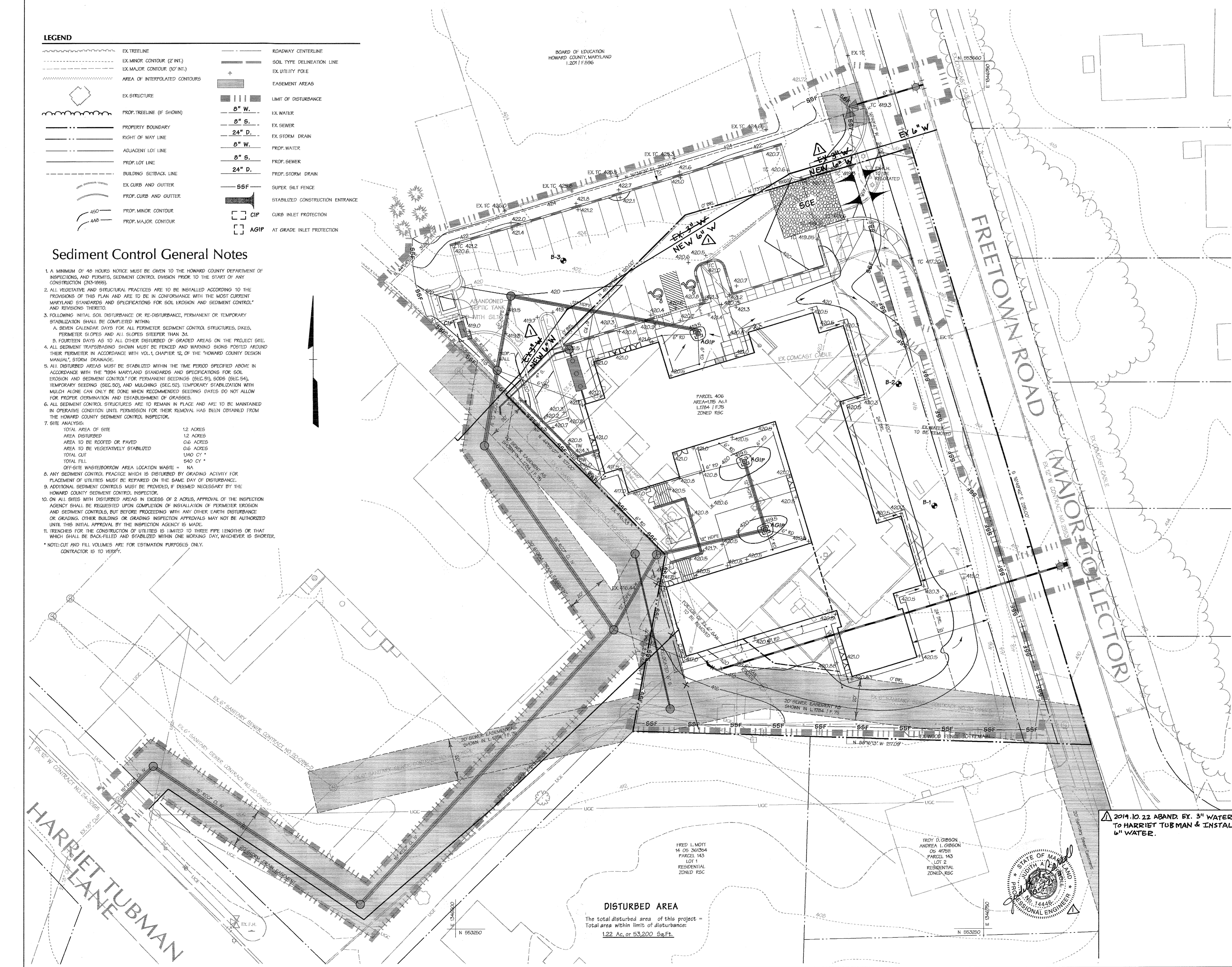
LEGEND

	EX TREELINE		ROADWAY CENTERLINE
	EX MINOR CONTOUR (2' INT.)		SOIL TYPE DELINEATION LINE
	EX MAJOR CONTOUR (10' INT.)		EX UTILITY POLE
	AREA OF INTERPOLATED CONTOURS		EASEMENT AREAS
	EX STRUCTURE		LIMIT OF DISTURBANCE
	PROP. TREELINE (IF SHOWN)		8" W. EX WATER
	PROPERTY BOUNDARY		8" S. EX SEWER
	RIGHT OF WAY LINE		24" D. EX STORM DRAIN
	ADJACENT LOT LINE		8" W. PROP. WATER
	PROP. LOT LINE		8" S. PROP. SEWER
	BUILDING SETBACK LINE		24" D. PROP. STORM DRAIN
	EX CURB AND GUTTER		S6F SUPER SILT FENCE
	PROP. CURB AND GUTTER		STABILIZED CONSTRUCTION ENTRANCE
	PROP. MINOR CONTOUR		CIP CURB INLET PROTECTION
	PROP. MAJOR CONTOUR		AGIP AT GRADE INLET PROTECTION

Sediment Control General Notes

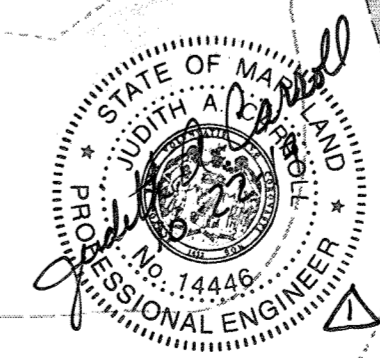
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (343-1699).
 - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
 - FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - A SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1.
 - FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - ALL SEDIMENT TRAPPING AREAS MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE "HOWARD COUNTY DESIGN MANUAL", STORM DRAINAGE.
 - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51), 600S (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - SITE ANALYSIS:

TOTAL AREA OF SITE	1.2 ACRES
AREA DISTURBED	1.2 ACRES
AREA TO BE ROOFED OR PAVED	0.6 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.6 ACRES
TOTAL CUT	1140 CY *
TOTAL FILL	540 CY *
OFF-SITE WASTE/BORROW AREA LOCATION WASTE	= NA
 - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 - ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
 - TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- * NOTE: CUT AND FILL VOLUMES ARE FOR ESTIMATION PURPOSES ONLY. CONTRACTOR IS TO VERIFY.



DISTURBED AREA
 The total disturbed area of this project =
 Total area within limit of disturbance:
 1.22 Ac. or 53,200 Sq.Ft.

2014.10.22 ABAND. EX. 3" WATER TO HARRIET TUBMAN & INSTALL 6" WATER.



UTILITY CONSTRUCTION OUTSIDE SEDIMENT CONTROL MEASURES

- Excavated trench material shall be placed on upstream side of trench.
- Immediately following pipe installation, the trench shall be backfilled, compacted and immediately stabilized (mulched, seeded, and/or sodded mechanical stabilization) at the end of each work day.
- Silt fence shall be placed immediately downstream of any disturbed area intended to remain disturbed longer than one (1) working day. (silt fence as per SCS standard drawing - E-15-3).
- The contractor shall disturb and open trench only the minimum practical area required to accomplish the work designated for each day.
- All sediments and erosion control practices and vegetative stabilization shall be in accordance with the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas". Any erosion and sediment control practices damaged by utility construction are to be repaired immediately.

BY THE DEVELOPER:
 WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.
 [Signature] 11/20/06
 DEVELOPER DATE

BY THE ENGINEER:
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 [Signature] 11-20-06
 ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

[Signature] 11/27/06
 NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 11/27/06
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
 [Signature] 11/29/06
 DIRECTOR DATE

[Signature] 11/29/06
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 11/29/06
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION

OWNER / DEVELOPER
 HOWARD COUNTY
 DEPARTMENT OF PUBLIC WORKS
 3430 COURT HOUSE DRIVE
 ELLICOTT CITY, MARYLAND 21043

PROJECT: **GRASSROOTS CRISIS INTERVENTION CENTER**
 AREA: TAX MAP 35 ZONED R-6C PARCELS 292 & 406
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: **SEDIMENT AND EROSION CONTROL PLAN** C-13

DMW
 Draft-McCune-Walker, Inc.
 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 286-3353
 Fax 286-4705
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

11-20-06
 Date
 DESIGNED BY: CV5
 DRAWN BY: GMD
 PROJECT NO.: 02100.B
 DATE: 11/21/06
 SCALE: 1"=20'
 DRAWING NO. 13 of 15
 Professional Engr. No. 20784

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS

A. SITE PREPARATION

- I. Install erosion and sediment control structures (either temporary or permanent) such as diversions, grade stabilization structures, berms waterways, or sediment control basins.
II. Perform all grading operations at right angles to the slope. Final grading and shaping is not usually necessary for temporary seeding.
III. Schedule required soil test to determine soil amendment composition and application rates for sites having disturbed area over 5 acres.

B. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)

- I. Soil test must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas over 5 acres. Soil analysis may be performed by the University of Maryland or a recognized commercial laboratory.
II. Fertilizers shall be uniform in composition, free flowing and suitable for accurate application by approved equipment.
III. Lime materials shall be ground limestone (hydrated or burnt lime may be substituted) which contains at least 50% total oxides (calcium oxide plus magnesium oxide).

C. SEEDBED PREPARATION

- I. TEMPORARY SEEDING
A. Seedbed preparation shall consist of loosening soil to a depth of 3 inches to 5 inches by means of suitable agricultural or construction equipment.
II. PERMANENT SEEDING
A. Minimum soil conditions required for permanent vegetative establishment:
1. Soil pH shall be between 6.0 and 7.0.
2. Soluble salts shall be less than 500 parts per million (PPM).

D. SEED SPECIFICATIONS

- I. All seed must meet the requirements of the Maryland State Seed Law. All seed shall be subject to re-testing by a recognized seed laboratory.
II. Inoculant - The inoculant for treating legume seed in the seed mixtures shall be a pure culture of nitrogen-fixing bacteria prepared specifically for the species.

E. METHODS OF SEEDING

- I. Hydrosowing: Apply seed uniformly with hydroseder (slurry includes seed and fertilizer), broadcast or drop seeder, or outspreader seeder.
A. If fertilizer is being applied at the time of seeding, the application rates amounts will not exceed the following:
II. Dry Seeding: This includes use of conventional drop or broadcast spreaders.
A. Seed spread dry shall be incorporated into the subsoil at the rates prescribed on the temporary or permanent seeding summaries or tables 25 or 26.

Vegetative Stabilization

F. MULCH SPECIFICATIONS (IN ORDER OF PREFERENCE)

- I. Straw shall consist of thoroughly threshed wheat, rye or oat straw, reasonably bright in color, and shall not be musty, moldy, caked, decayed, or excessively dusty.
II. Wood cellulose fiber mulch (WCFM)
A. WCFM shall consist of specially prepared wood cellulose processed into a uniform fibrous physical state.
B. WCFM shall be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate visual inspection of the uniformly spread slurry.
C. WCFM, including dye shall contain no germination or growth inhibiting factors.
D. WCFM materials shall be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension in water.

G. MULCHING SEEDING AREAS

- I. If grading is completed outside of the seeding season, mulch alone shall be applied as prescribed in this section and maintained until the seeding season returns.
II. When straw mulch is used, it shall be spread over all seeded areas at the rate of 2 tons per acre.
III. Wood cellulose fiber used as a mulch shall be applied at a net dry weight of 1,500 pounds per acre.
H. SECURING STRAW MULCH - Mulch anchoring shall be performed immediately following mulch application to minimize loss by wind or water.

SECTION II - TEMPORARY SEEDING

VEGETATION - Annual grass or grain used to provide cover on disturbed areas for up to 12 months. For longer duration of vegetative cover, permanent seeding is required.

Table with columns: Seed Mixture (Hardiness Zone 7A), Fertilizer Rate (10-10-10), Lime Rate. Rows include Annual Ryegrass and Weeping Lovegrass.

SECTION III - PERMANENT SEEDING

Seeding grass and legumes to establish ground cover for a minimum of one year on disturbed areas generally receiving low maintenance.

Table with columns: Seed Mixture No. 3 (Hardness Zone 7A), Application Rate (Lb./Ac.), Seeding Dates, Seeding Depths, Fertilizer Rate (10-20-20), Lime Rate. Rows include Rebel II Tall Fescue, Penfine Perennial Ryegrass, and Kentucky Bluegrass.

* For 5-16 through 8-14 add two (2) pounds of Weeping Lovegrass per acre or ten (10) pounds of Millet per acre to seed mixture (i.e. Mix #3 shown).
** At time of fine grading, fertilizer and lime rates will be based on soil test results; (see section 1.B.1). Copy of recommended rates to be supplied to the Sediment Control Inspector.

SECTION IV - SOD

To provide quick cover on disturbed areas (2:1 grade or flatter)

- A. GENERAL SPECIFICATIONS
I. Class of turfgrass sod shall be Maryland or Virginia State certified or approved. Sod labels shall be made available to the job foreman and inspector.
II. Sod shall be machine cut at a uniform soil thickness of 3/4", plus or minus 1/8", at the time of cutting.
III. Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
IV. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.

- V. Sod shall be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period shall be approved by an agronomist or soil scientist prior to its installation.

B. SOD INSTALLATION

- I. During periods of excessively high temperature or in areas having dry subsoil, the subsoil shall be lightly irrigated immediately prior to laying the sod.
II. The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other.
III. Wherever possible, sod shall be laid with the long edges parallel to the contour and with staggering joints.
IV. Sod shall be watered immediately following rolling or tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet.

C. SOD MAINTENANCE

- I. In the absence of adequate rainfall, watering shall be performed daily or as often as necessary during the first week and in sufficient quantities to maintain moist soil to a depth of 4 inches.
II. After the first week, sod watering is required as necessary to maintain adequate moisture content.
III. The first mowing of sod should not be attempted until the sod is firmly rooted. No more than 1/3 of the grass leaf shall be removed by the initial cutting or subsequent cuttings.

SECTION V - TURFGRASS ESTABLISHMENT

Areas where turfgrass may be desired may include lawns, parks, playgrounds, and commercial sites which will receive a medium high level of maintenance. Areas to receive seed shall be tilled by disking or other approved methods to a depth of 2 to 4 inches, leveled and raked to prepare a proper seedbed.

Note: Choose certified material. Certified material is the best guarantee of cultivar purity. The certification program of the Maryland Department of Agriculture, Turf and Seed Section, provides a reliable means of consumer protection and assures a pure genetic line.

A. TURFGRASS MIXTURES

- I. Kentucky Bluegrass - Full sun mixture - For use in areas that receive intensive management.
II. Kentucky Bluegrass/Perennial Rye - Full sun mixture - For use in full sun areas where rapid establishment is necessary.
III. Tall Fescue/Kentucky Bluegrass - Full sun mixture - For use in drought prone areas and/or for areas receiving low to medium management.
IV. Kentucky Bluegrass/Fine Fescue - Shade mixture - For use in areas with shade in Bluegrass lawns.

Note: Turfgrass varieties should be selected from those listed in the most current University of Maryland publication, agronomy mimeo number 77, "Turfgrass Cultivar Recommendations for Maryland".

B. IDEAL TIMES OF SEEDING

- Western Maryland: March 15 - June 1, August 1 - October 1 (hardness zones - 5B, 6A).
Central Maryland: March 1 - May 15, August 15 - October 15 (hardness zone - 6B).
Southern Maryland, Eastern Shore: March 1 - May 15, August 15 - October 15 (hardness zones - 7A, 7B).

C. IRRIGATION

If soil moisture is different, supply new seedlings with adequate water for plant growth (1/2" - 1" every 3 to 4 days depending on soil texture) until they are firmly established. This is especially true when seedlings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites.

D. REPAIRS AND MAINTENANCE

- I. Once the vegetation is established, the site shall have 95% groundcover to be considered adequately stabilized.
II. If the stand provides less than 40% ground coverage, re-establish following original lime, fertilizer, seedbed preparation and seeding recommendations.
III. If the stand provides between 40% and 94% ground coverage, overseeding and fertilizing using half of the rates originally applied may be necessary.
IV. Maintenance fertilizer rates for permanent seedings are shown in Table 24, for lawns and other medium high maintenance turfgrass areas, refer to the University of Maryland publication "Lawn Care in Maryland" bulletin number 171.

TABLE 26 STONE SIZE

Table with columns: Size Range, D50, D100, AASHTO, Weight. Rows include Number 57, Rip-Rap, Class I, Class II, Class III.

* This classification is to be used on the inside face of stone outlets and check dams.
** This classification is to be used when ever small rip-rap is required. The State Highway Administration designation for this stone is stone for gabions (90S.01.04).

STONE FOR GABION BASKETS

Table with columns: Basket Thickness, Size of Individual Stones (Inches, MM). Rows include 6, 9, 12, 18, 36 inch baskets.

Note: Recycled concrete equivalent may be substituted for all stone classifications. Recycled concrete equivalent shall be concrete broken into the sizes meeting the appropriate classification, shall contain no steel reinforcement, and shall have a density of 150 pounds per cubic foot.

TABLE 27 GEOTEXTILE FABRICS

Table with columns: Class, Apparent Opening Size (MM. Max.), Grab Tensile Strength (Lb. Min.), Burst Strength (PSI. Min.). Rows include A, B, C, D, E, F (silt fence).

* US Standard sieve CW-02215 ** .50 MM max. for super silt fence

The properties shall be determined in accordance with the following procedures:

- Apparent opening size mm# 325
- Grab tensile strength ASTM 1602: 4 x 8" specimen, 1 x 2" clamps, 12" min. strain rate in both principal directions of geotextile fabric.
- Burst strength: ASTM D 3786.

The fabric shall be inert to commonly encountered chemicals and hydrocarbons, and will be rot and mildew resistant. It shall be manufactured from fibers consisting of long chain synthetic polymers, and composed of a minimum of 85% by weight of polyolefins, polyesters, or polyamides. The geotextile fabric shall resist deterioration from ultraviolet exposure

In addition, classes A through E shall have a 0.01 cm./sec. minimum permeability when tested in accordance with mm# 507, and an apparent minimum elongation of 20 percent (20%) when tested in accordance with the grab tensile strength requirements listed above.

Silt fence
Class F geotextile fabric for silt fence shall have a 50 lb./in. minimum tensile strength and a 20 lb./in. minimum tensile modulus when tested in accordance with mm# 509. The material shall also have a 0.5 gal./ft./min. flow rate and seventy-five percent (75%) minimum filtering efficiency when tested in accordance with mm# 322. Geotextile fabrics used in the construction of silt fence shall resist deterioration from ultraviolet exposure. The fabric shall contain sufficient amount of ultraviolet ray inhibitors and stabilizers to provide a minimum of 12 months of expected useable construction life at a temperature range of 0 to 120 degrees Fahrenheit.

MATERIALS SPECIFICATIONS

BY THE DEVELOPER :

IWE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Developer: Jan 7 d DATE 11/20/06

BY THE ENGINEER :

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Engineer: Charles V. Main DATE 11-20-06

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Jim M... DATE 4/27/06

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Howard Soil Conservation District DATE 4/27/06

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR DATE 11/20/06

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE 4/27/06

CHIEF, DIVISION OF LAND DEVELOPMENT DATE 11/20/06

DATE NO. REVISION

OWNER / DEVELOPER HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 3430 COURT HOUSE DRIVE ELLICOTT CITY, MARYLAND 21043

PROJECT GRASSROOTS CRISIS INTERVENTION CENTER

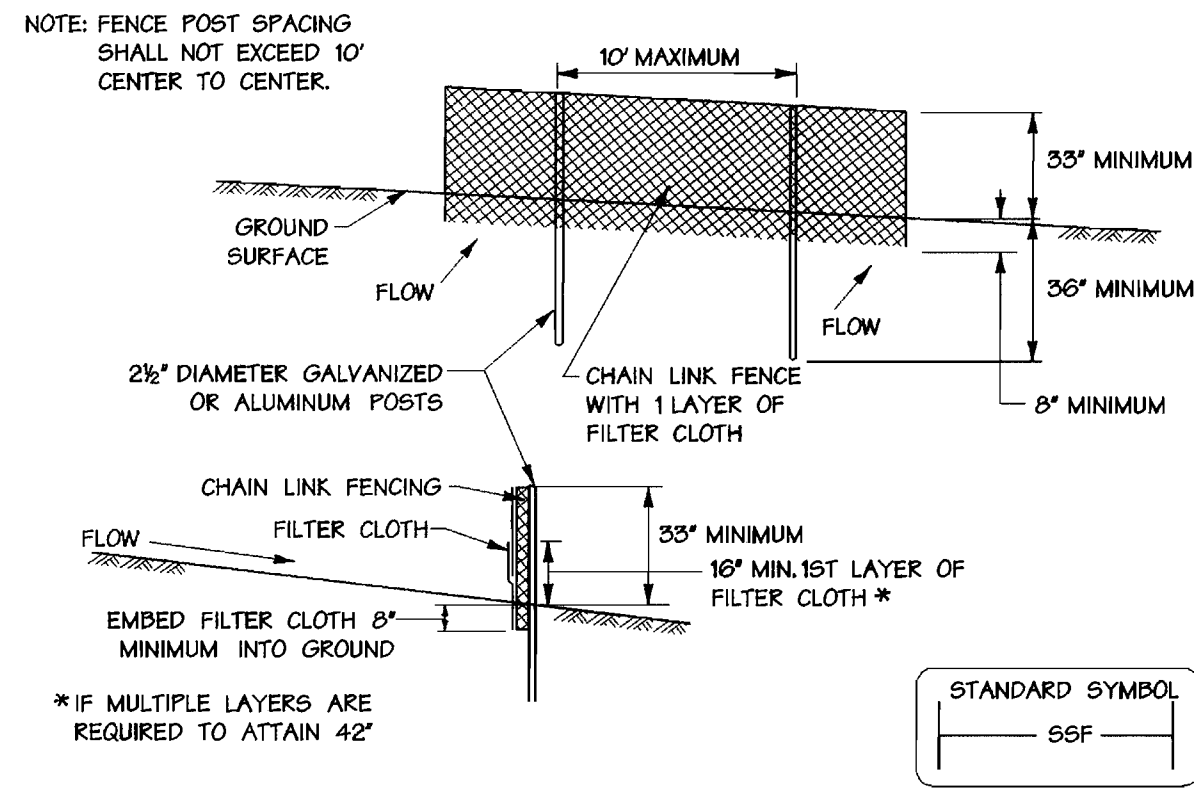
AREA TAX MAP 35 ZONED R-5C PARCELS 292 and 406 9th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE SEDIMENT AND EROSION CONTROL NOTES C-14

DMW Dan McCaskey, William Isaac, 200 East Pennsylvania Avenue Towson, Maryland 21286 (410) 296-3355 Fax 296-4705 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

Date 11-20-06
DESIGNED BY: CVS
DRAWN BY: GMO
PROJECT NO.: 02100.B
DATE: 11/21/06
SCALE: AS SHOWN
DRAWING NO. 14 of 15

Professional Engr. No. 20789



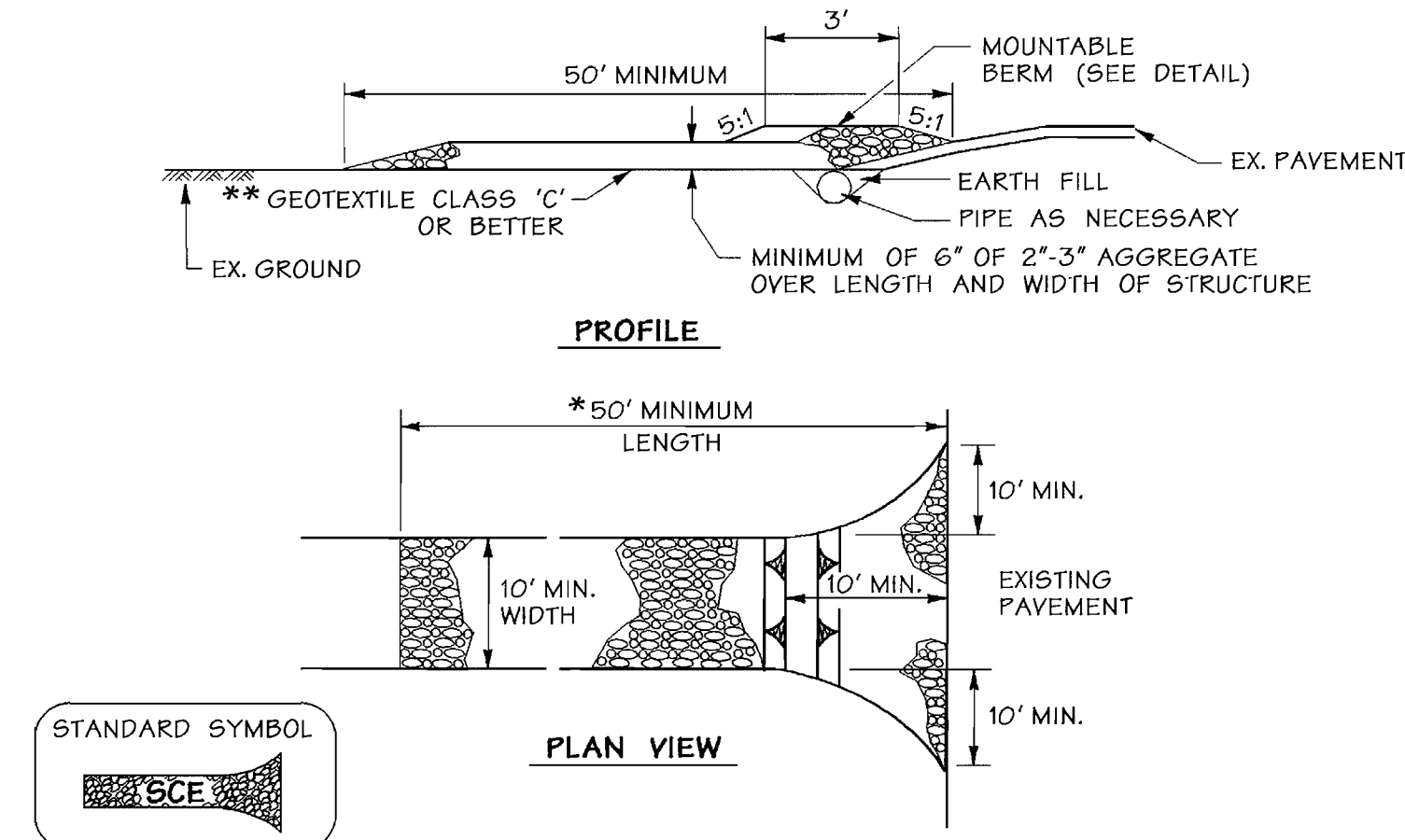
- CONSTRUCTION SPECIFICATIONS**
- FENCING SHALL BE 42 INCHES IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY (SHA) DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6' FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 6' LENGTH POSTS.
 - THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
 - CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE. THE CHAIN LINK FENCING SHALL BE SIX (6) GAUGE OR HEAVIER.
 - FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
 - FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 8" INTO THE GROUND.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHES 50% OF FENCE HEIGHT.

Sequence of Operations

1. Obtain Grading permit. 1 DAY
2. Notify HCD Department of Inspections (410)313-1855 at least 48 hours prior to beginning any work. 1 DAY
3. Clear and grub for and install the Stabilized Construction Entrance and install Super Silt Fence (SSF). 1 DAY
4. Notify HCD Department of Inspection, upon completion of said installation. 1 DAY
5. Demolish existing buildings and remove pavement. 1 DAY
6. Grade site and begin building construction. 1 WEEK
7. Install utilities. Construction outside of silt fence protections shall be graded and stabilized in one work day. This is subject to the sediment control inspector, who can require sediment and erosion control measures at any time if deemed necessary. 1 WEEK
8. Fine grade and construct paving and sidewalks. 1 WEEK
9. With the permission of the Sediment Control Inspector, remove sediment control measures and stabilize any areas disturbed by their removal. 1 WEEK

DESIGN CRITERIA

SLOPE	SLOPE STEEPNESS	SLOPE LENGTH (MAXIMUM)	SILT FENCE LENGTH (MAXIMUM)
0 - 10%	0 - 10:1	UNLIMITED	UNLIMITED
10 - 20%	10:1 - 5:1	200 FEET	1,500 FEET
20 - 33%	5:1 - 3:1	100 FEET	1,000 FEET
33 - 50%	3:1 - 2:1	100 FEET	500 FEET
50% +	2:1 +	50 FEET	250 FEET



- CONSTRUCTION SPECIFICATIONS**
- LENGTH - MINIMUM OF 50' (*30' FOR SINGLE RESIDENCE LOT).
 - WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
 - GEOTEXTILE FABRIC CLASS C (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 GEOTEXTILE.
 - 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.
 - 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.
 - 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.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 26 - 5 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

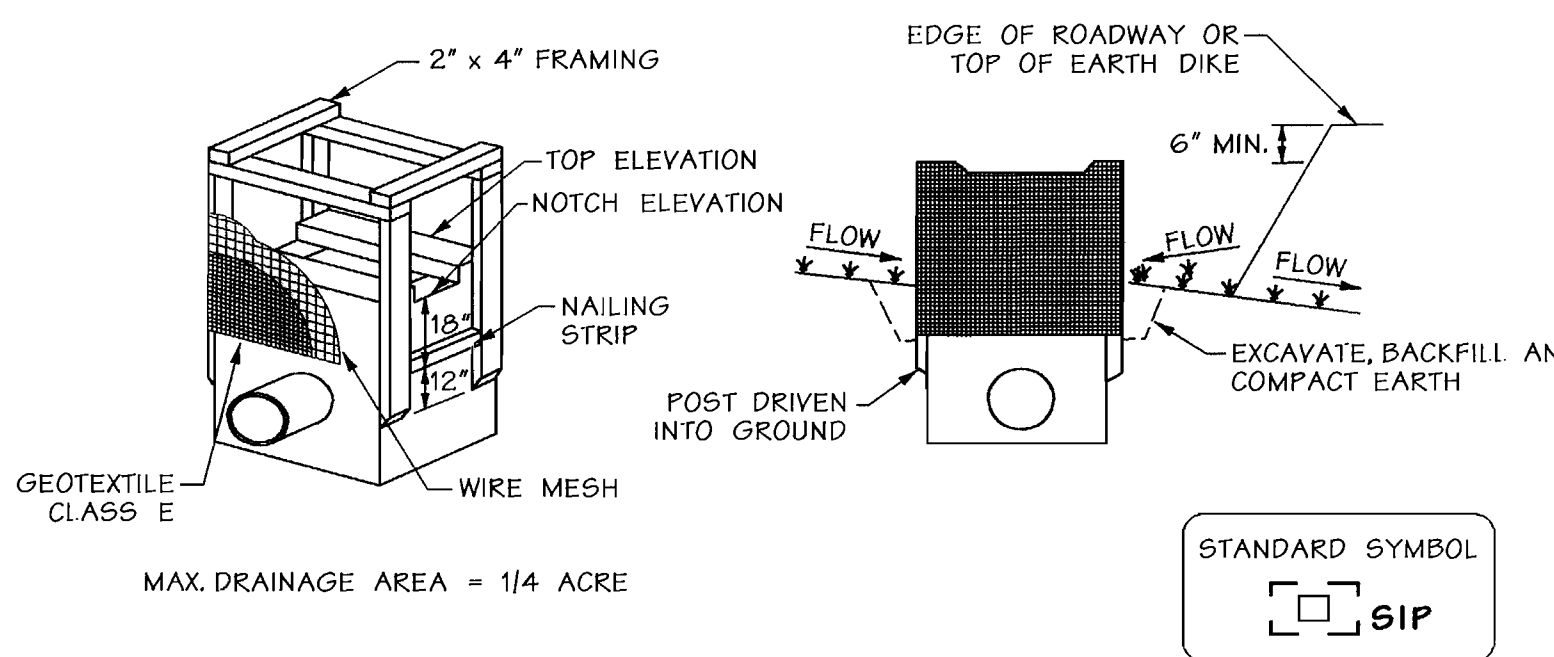
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 26 - 3A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE F - 17 - 5 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Super Silt Fence Not To Scale

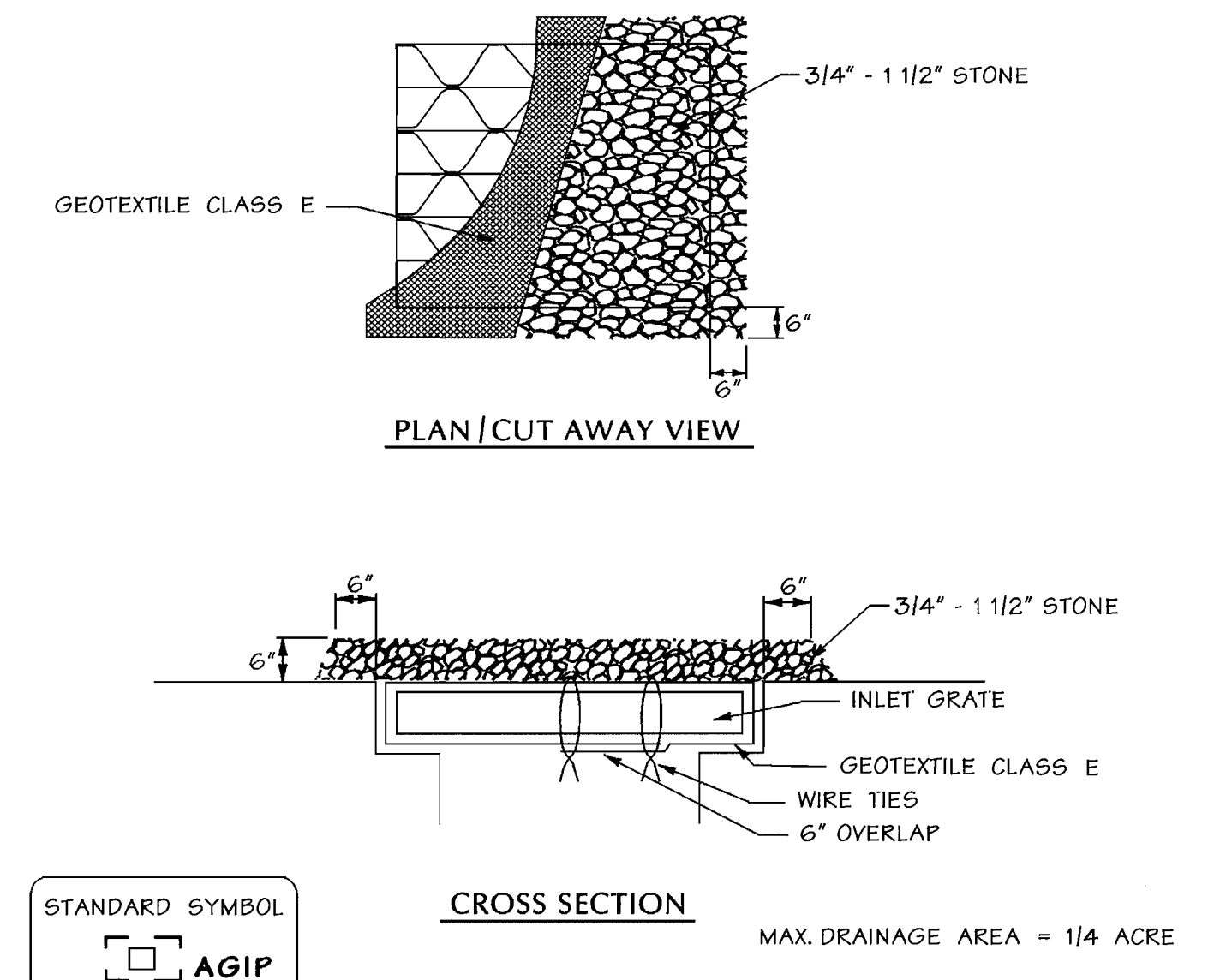
Super Silt Fence Not To Scale

Stabilized Construction Entrance Not To Scale



- CONSTRUCTION SPECIFICATIONS**
- EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18" BELOW THE NOTCH ELEVATION.
 - DRIVE THE 2" x 4" CONSTRUCTION GRADE LUMBER POSTS 1" INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2" x 4" FRAME USING THE OVERLAP JOINT SHOWN ON DETAIL. THE TOP OF THE FRAME (WEIR) MUST BE 6" BELOW ADJACENT ROADWAYS WHERE FLOODING AND SAFETY ISSUES MAY ARISE.
 - STRETCH THE 1/2" x 1/2" WIRE MESH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. THE ENDS MUST MEET AND OVERLAP AT A POST.
 - STRETCH THE GEOTEXTILE CLASS E TIGHTLY OVER THE WIRE MESH WITH THE GEOTEXTILE EXTENDING FROM THE TOP OF THE FRAME TO 18" BELOW THE INLET NOTCH ELEVATION. FASTEN THE GEOTEXTILE FIRMLY TO THE FRAME. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST. BE OVERLAPPED AND FOLDED, THEN FASTENED DOWN.
 - BACKFILL AROUND THE INLET IN COMPACTED 6" LAYERS UNTIL THE LAYER OF EARTH IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND TOP ELEVATION ON THE SIDES.
 - IF THE INLET IS NOT IN A SUMP, CONSTRUCT A COMPACTED EARTH DIKE ACROSS THE DITCH LINE DIRECTLY BELOW IT. THE TOP OF THE EARTH DIKE SHOULD BE AT LEAST 6" HIGHER THAN THE TOP OF THE FRAME.
 - THE STRUCTURE MUST BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND THE GEOTEXTILE REPLACED WHEN IT BECOMES CLOGGED.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 16 - 5 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



- CONSTRUCTION SPECIFICATIONS**
- LIFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL OPENINGS, THEN SET GRATE BACK IN PLACE.
 - PLACE 3/4" TO 1 1/2" STONE, 4"-6" THICK ON THE GRATE TO SECURE THE FABRIC AND PROVIDE ADDITIONAL FILTRATION.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 16 - 5A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Standard Inlet Protection Not To Scale

At Grade Inlet Protection Not To Scale

BY THE DEVELOPER :

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Janet D. 1/27/06
DEVELOPER DATE

BY THE ENGINEER :

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Jim M. ... 4/27/06
NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John R. ... 11/27/06
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Derek ... 11/29/06
DIRECTOR DATE

... 11/29/06
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

... 11/29/06
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

OWNER /DEVELOPER

HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELLCOTT CITY, MARYLAND 21043

PROJECT **GRASSROOTS CRISIS INTERVENTION CENTER**

AREA TAX MAP 35 ZONED R-5C PARCELS 292 and 406
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE **SEDIMENT AND EROSION CONTROL DETAILS** C-15

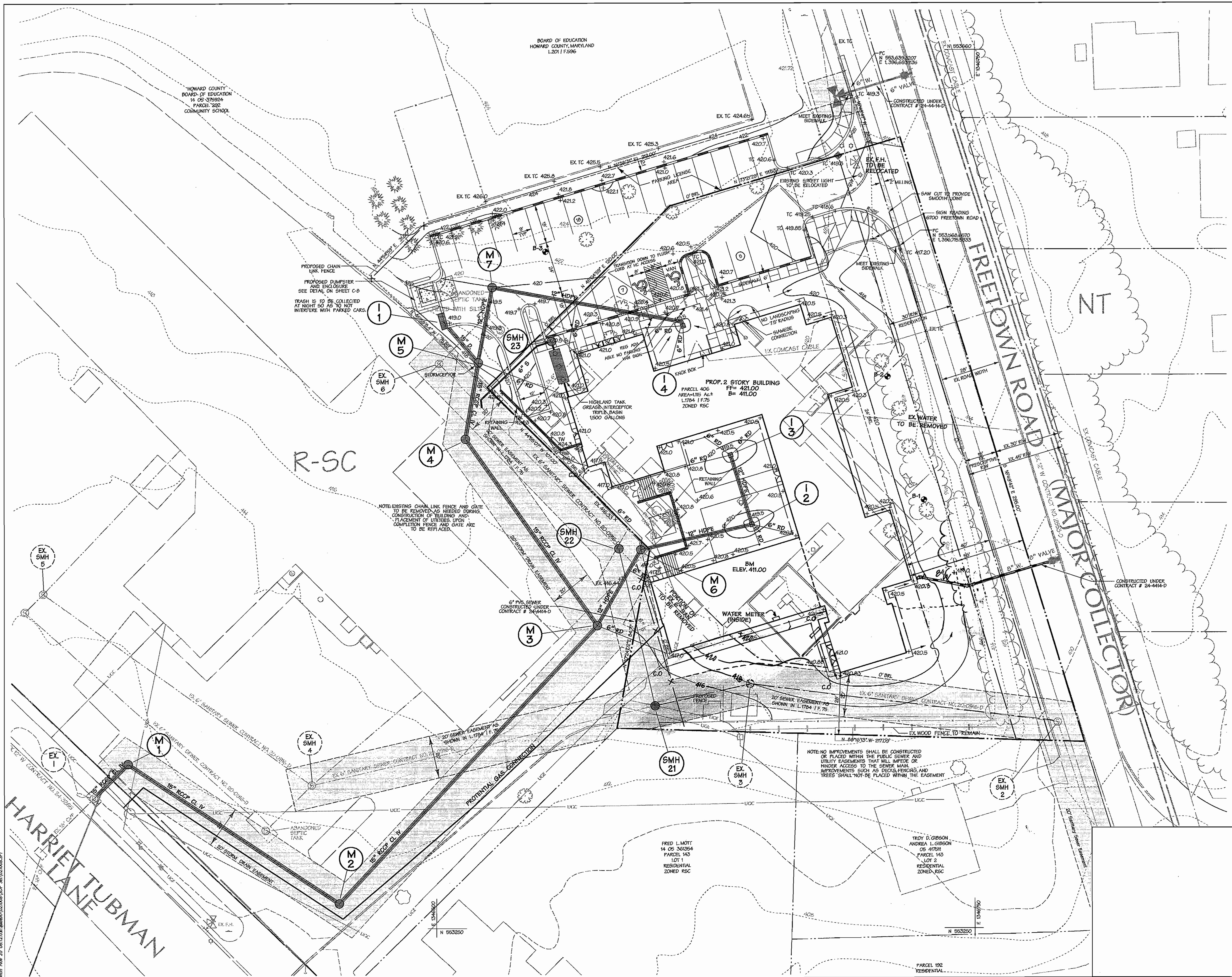
DMW
Duff-McCune-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax 296-4705

A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

Date 11-20-06

DESIGNED BY: CV5
DRAWN BY: GWO
PROJECT NO: 02100.B
DATE: 11/21/06
SCALE: AS SHOWN
DRAWING NO. 15 of 15

Professional Engr. No. 20784



LEGEND

- EX TREE LINE
- EX MINOR CONTOUR (2' INT.)
- EX MAJOR CONTOUR (10' INT.)
- AREA OF INTERPOLATED CONTOURS
- EX STRUCTURE
- PROP. TREE LINE (IF SHOWN)
- PROPERTY BOUNDARY
- RIGHT OF WAY LINE
- ADJACENT LOT LINE
- PROP. LOT LINE
- BUILDING SETBACK LINE
- EX CURB AND GUTTER
- PROP. CURB AND GUTTER
- PROP. REVERSE CURB
- PROP. MINOR CONTOUR
- PROP. MAJOR CONTOUR
- ROADWAY CENTERLINE
- SOIL TYPE DELINEATION LINE
- EX UTILITY POLE
- EASEMENT AREAS
- LIMIT OF DISTURBANCE
- 8" W. EX. WATER
- 8" S. EX. SEWER
- 24" D. EX. STORM DRAIN
- 8" W. PROP. WATER
- 8" S. PROP. SEWER
- 24" D. PROP. STORM DRAIN
- CONCRETE PAVING
- 6" HDPE ROOF DRAIN
- EX FENCE
- PROP. FENCE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

David A. Angle 11/29/06
DIRECTOR DATE

John J. ... 11/29/06
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Quincy ... 11/29/06
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

4-1-11 | RELOCATE WATER LINE & INSIDE METER
DATE NO. REVISION

OWNER / DEVELOPER
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELLCOTT CITY, MARYLAND 21043

PROJECT **GRASSROOTS CRISIS INTERVENTION CENTER**

AREA TAX MAP 35 ZONED R-SC PARCELS 292 AND 406
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE **SITE AND GRADING PLAN C-2**

DMW
Dun & McCusker-Walke, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3833
Fax 296-4705

A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

11-20-06
Date

DESIGNED BY : CVS
DRAWN BY : GMD
PROJECT NO : 02100.B
DATE : 11/21/06
SCALE : 1"=20'
DRAWING NO. 2 of 15

Professional Engr. No. 20784

Mon Nov 20 09:12:09 2006 SDP-6107006.SHP

Mon Nov 20 09:12:09 2006 SDP-6107006.SHP