

GENERAL CONSTRUCTION NOTES

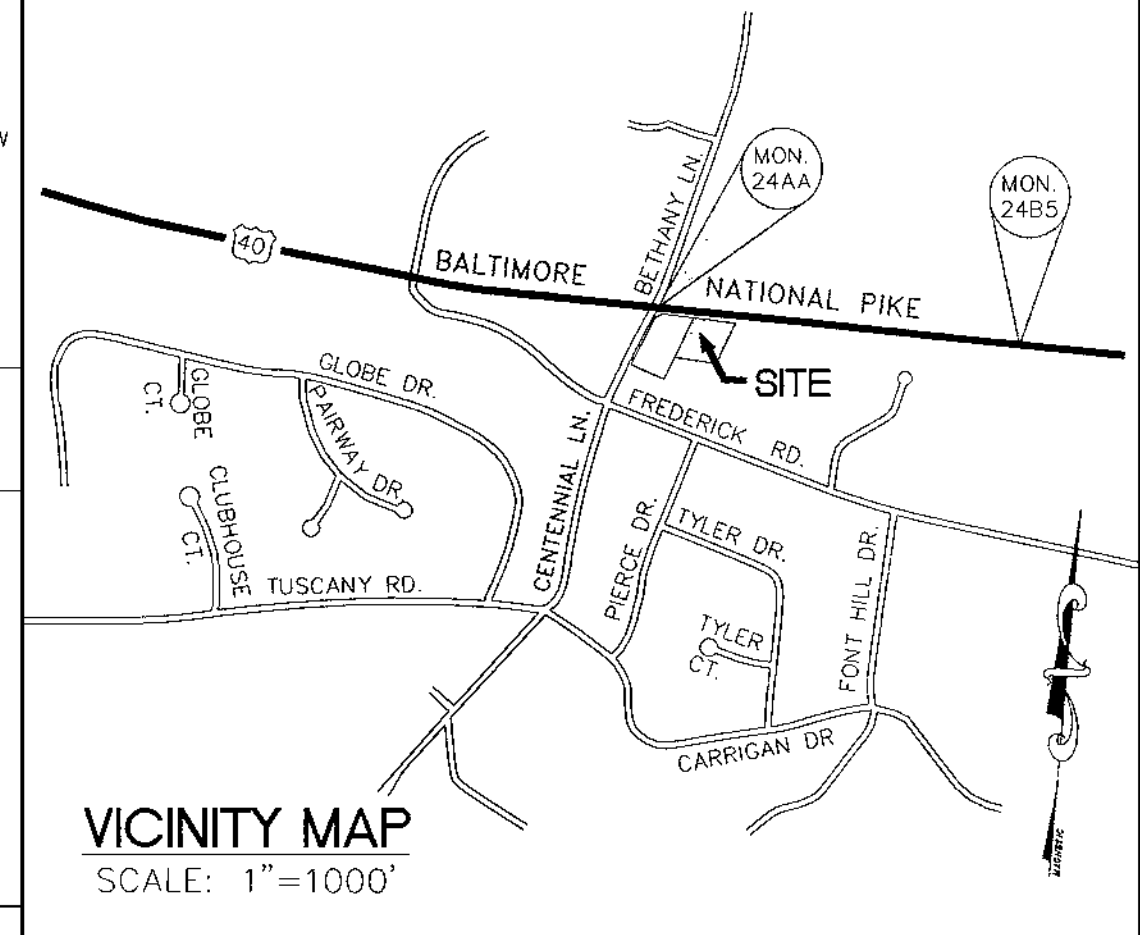
- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications.
- The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) working 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 street and regulatory sign shall be in place prior to the placement of any asphalt.
- All plan dimensions are to face of curb unless otherwise noted.
- The existing topography is taken from field run survey with one foot contour intervals prepared by KCW Engineering Technologies, Inc. dated 3-19-99.
- The coordinates shown herein are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System. Howard County Monument Nos. 24AA and 24B5 were used for this project.
- Water is public. State contract 131-W.
- Sewer is public. State contract 411-5.
- Stormwater management will be provided using a privately owned and maintained underground extended detention facility and Stormceptors for water quality.
- Existing utilities shown on these plans are based upon observable field information, previous construction drawings for the site, the best available information from the utility companies, the State of Maryland and Howard County. The owner and Engineer do not warrant or guarantee the completeness or the correctness of this existing utility information. The Contractor shall verify all such information to his own satisfaction.
- The traffic study for this project was prepared by The Traffic Group dated 9-1-99 and was approved on 11-10-99.
- Contractor shall take all necessary precautions to support and protect all existing utilities when working adjacent to or crossing existing utilities. Any damage to existing facilities shall be repaired or replaced at Contractor's expense.
- "Full Trench Compaction" shall be used for both work within public right-of-way and for all on site installations.
- Contractor shall adhere to all Federal, State and County health, safety, and environmental regulations.
- All excess paving and other unsuitable material shall be removed from this site to an area with an approved Sediment Control plan and permit.
- All grading shall be accomplished in accordance with the grades specified on Site Development Plan (G-2).
- Spot elevations denote paving or finish grade unless otherwise noted.

1st MARINER BANK ELLICOTT CITY BRANCH SITE DEVELOPMENT PACKAGE HOWARD COUNTY, MARYLAND

BENCHMARKS

HOWARD CO. HUB NO. 24AA, EL. 387.28
N 587390.490 E 1352603.459
0.15 MILE EAST OF BETHANY LANE AT THE ENCHANTED FOREST SHOPPING CENTER BETWEEN 10000-10060
BALTIMORE NATL. PIKE A BRASS DISC (1" TO 2" BELOW TERRAIN) SET ATOP A CONCRETE CYLINDRIC BASE

HOWARD CO. HUB NO. 24B5, EL. 390.948
N 586956.256 E 1356570.824
EAST OF DOGWOOD ROAD ALONG BALTIMORE NATL. PIKE A BRASS DISC (1" TO 2" BELOW TERRAIN) SET ATOP A CONCRETE CYLINDRIC BASE



SHEET INDEX:

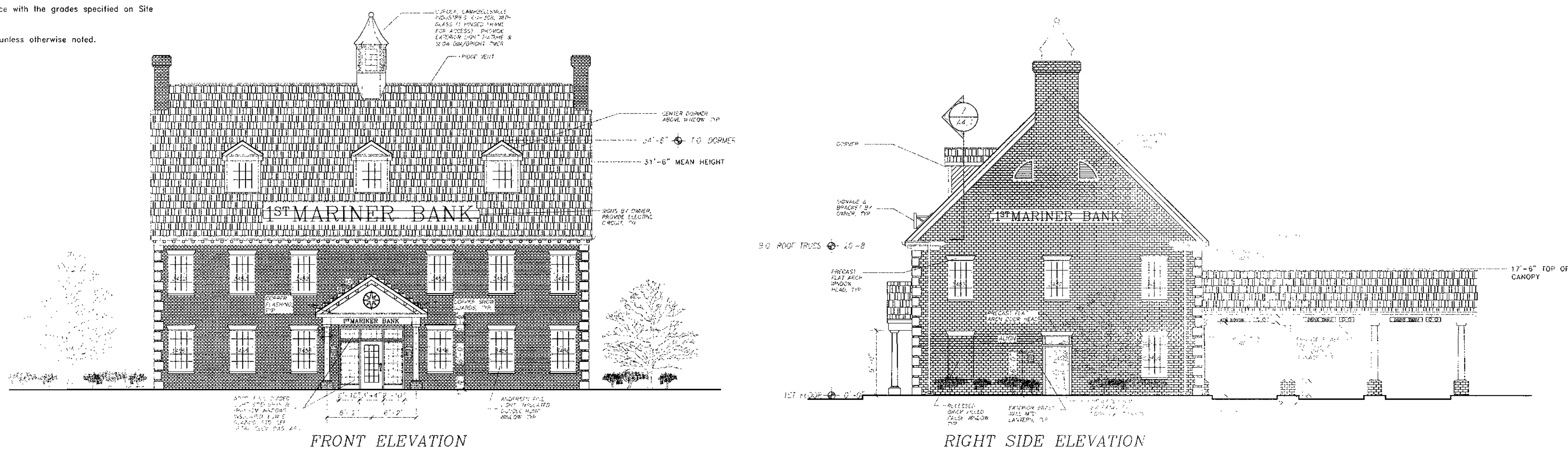
- COVER SHEET (G-1)
- SITE DEVELOPMENT PLAN (G-2)
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- SEDIMENT CONTROL DETAILS (G-9)
- LANDSCAPE PLAN (G-10)

GENERAL NOTES

- OWNER:** CARROLL DEVELOPMENT, LLC
10065 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042-3611
- DEVELOPER:** 1st MARINER BANK
ATTN: KENNETH C. JONES
1801 SOUTH CLINTON STREET
BALTIMORE, MARYLAND 21224
- PROPERTY LOCATION:** 10065 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042-3611
- DEED:** 4607/152
TAX ACCOUNT NO.: 245299
AREA: 1.0 AC.
43,560 S.F.
TAX MAP: 24 p. 67
- ELECTION DISTRICT:** 02
Local Community is Ellicott City
- ZONING:** B-2 Per 10-18-93 Comprehensive Zoning Plan
Note: All adjacent properties zoned B-2
- EXISTING LAND USE:** Vacant, former Southern State Cooperative
Note: Previous DPZ file, SDP 94-88
- PROPOSED LAND USE:** Proposed financial institution (1st Mariner Bank) with a canopy in the rear of the building as well as associated parking.
- PARKING**
Existing (For existing bulk propane facility)
Required (Per HCZR Section 133 D 3&4)
General Office Space: 3.3 spaces per 1000 sf (2432 sf building) = 9 ps
Commercial Bank Use: 5 spaces per 1000 sf (2432 sf building) = 13 ps
Total Parking Spaces Required: = 22 ps
Total Parking Spaces Provided: = 24 ps
- PARKING SHALL BE PERMANENTLY STRIPED AS SHOWN**
- BUILDING SETBACKS:**
From Public Right of Way

	Minimum Required	Proposed
Building:	30'	69'
Parking:	10'	44'
Side:	0'	54'
Rear:	0'	14'
- HEIGHTS:** Average height to gable roof shall be less than 40'
- UTILITIES:** Existing public utilities presently are available within the public right-of-way of U.S. Route 40, and

Sanitary Sewer:	Ex. 8" sanitary (Dwg. No. W.O. 6508)
Gas:	Ex. 8" sanitary (Dwg. No. 411-5-7)
	Ex. 6" gas (Dwg. No. 241726-A)
Water:	Ex. 8" water (Dwg. No. 241726-A)
- There are no known historic buildings, archeological sites, endangered species habitats, or septic systems located on this property. There are no significant views or site features that may affect the development proposal. There are no known streams, bodies of water, or floodplains on or adjacent to this property.
- LIGHTING:** Proposed outdoor lighting shall comply with Howard County Zoning Regulations Section 134.C.
- This site is exempt from the forest conservation obligations since a previous grading permit was issued for this site in accordance with Section 16.1202(b)(1)(iii) of the Subdivision and Land Development Regulations, ~~dated 10-31-98~~.
- There is no 100-yr floodplain nor non-tidal wetlands on this site.
- S.H.A. entrance and road improvements shall be done in accordance with S.H.A. access permit No. BHO-7351-99.
- This site development plan is for development on Parcel 67 only and future development on Parcel 66 is not part of this site plan.
- Required landscaping will be provided per the Landscape Plan filed with this site plan and required surety will be made part of the Developer's Agreement, in the amount of \$501,000. Perimeter landscaping between Parcels 66 and 67 is not required since ownership is the same and future development is planned on Parcel 66.
- Vehicle ingress/egress is restricted to access points as approved by the State Highway Administration.



SITE ANALYSIS DATA CHART

TOTAL PROJECT AREA	43,560 S.F. / 1.00 AC.
AREA OF PLAN SUBMISSION	54,350 S.F. / 1.25 AC.
LIMIT OF DISTURBED AREA	54,350 S.F. / 1.25 AC.
PRESENT ZONING	B-2
PROPOSED USES FOR THE SITE AND STRUCTURES	FINANCIAL INSTITUTION
FLOOR SPACE ON EACH LEVEL OF BUILDING PER USE	1ST FLOOR - 2432 S.F. COMMERCIAL BANK 2ND FLOOR - 2432 S.F. GENERAL OFFICE
TOTAL AMOUNT OF UNITS ALLOWED FOR PROJECT AS SHOWN ON FINAL PLAN	N/A
TOTAL NUMBER OF UNITS PROPOSED ON SUBMISSION	N/A
MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON SITE PER USE	10 EMPLOYEES
NUMBER OF PARKING SPACES REQUIRED BY HOWARD COUNTY ZONING REGULATIONS AND/OR FDP CRITERIA	22 PARKING SPACES
NUMBER OF PARKING SPACES PROVIDED ON SITE (INCLUDE NUMBER OF HANDICAPPED PARKING SPACES)	24 PARKING SPACES (2 H/C)
OPEN SPACE ON SITE:	11,000 S.F.
% OF GROSS AREA	25.3%
AREA OF RECREATION OPEN SPACE REQUIRED BY SUBDIVISION AND LAND REGULATIONS	N/A
BUILDING COVERAGE OF SITE:	2432 S.F.
% OF GROSS AREA	5.6%
APPLICABLE DPZ FILE REFERENCES	SDP 94-88

UTILITY SCOPE OF WORK

Contractor shall furnish all materials and labor necessary for abandonment, construction and modification to storm drains, water service and sanitary sewer. Utility contractor shall obtain all necessary permits from Howard County.
Note: Existing hydrant to be relocated per Advanced Deposit Order (ADO). Utility work within the RTE 40 R/W shall be done in accordance with S.H.A. Utility permit

SANITARY SEWER

- P.V.C. (Poly-Vinyl Chloride) pipe SCH 35.
- Clean-out: P.V.C. per Building Code criteria

WATER SERVICE

- Services 2" or less shall be type "K" copper pipe and fittings.

STORM DRAINS

- 18" R.C.P. (Reinforced Concrete Pipe) shall be ASTM C-361-90, Class IV with "Tylox Super-Seal", or equal, pre-lubricated pipe gaskets.
- 15" R.C.P. (Reinforced Concrete Pipe) shall be Class IV pipe.
- 60" Aluminized Steel 14, Gauge, 5"x11" Corrugations. Pipe Material shall meet AASHTO 274, ASTM A 929 and Pipe shall conform to AASHTO M 36, ASTM A 760.
- 15"x18" Aluminized Steel 16, Gauge, Pipe shall be seamless with box ribs on the exterior and a smooth interior waterway. Pipe Material shall meet AASHTO 274, ASTM A 929 and Pipe shall conform to AASHTO M 36, ASTM A 760.
- P.V.C. (Poly-Vinyl Chloride) pipe SCH 40.
- Inlets: S.H.A. - C.O.G.-20 per S.H.A. detail MD-374.51.
On-site - Double 'S' Combination Inlet per Howard County detail SD-4.34.
10" In-line Drain shall be Nyloplast or equal conforming with ASTM D3212 with H-10 grate conforming with ASTM A-48-83 Class 308.
- Manholes: S.H.A. - Standard Pre-cast Manhole per S.H.A. detail MD-384.01.
On-site - Standard Precast Shallow Manhole per Howard County detail G-5.12.
- All storm drains shall be constructed per the profiles on sheet G-3.

KCW ENGINEERING TECHNOLOGIES
KCW Engineering Technologies, Inc.
3104 Timanus Lane, Suite 101
Baltimore, MD 21244
(410) 281-0033
Fax (410) 281-1065
www.KCW-ET.com

STATE OF MARYLAND
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION
1-4-00

DEVELOPER: 1st MARINER BANK
1801 South Clinton Street
Baltimore, Maryland 21224
Attn: Kenneth C. Jones
Tel: (410) 342-1500

OWNER: CARROLL'S DEVELOPMENT, LLC
10065 Baltimore National Pike
Ellicott City, Maryland 21042
Attn: Ashton Menefee
Tel: (410) 235-1066

THIS PLAN HAS BEEN REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
USDA-NATURAL RESOURCES CONSERVATION SERVICE
DATE: 1/25/00

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
DATE: 1/25/00

ADDRESS CHART
Street Address: 10065 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MD 21042

PERMIT INFORMATION CHART
Subdivision Name: 1st MARINER BANK
Block #: 67
Zoning: B-2
Parcel #: 67
Water Date: 4607/52
H: CR
Sewer Code: 5440000

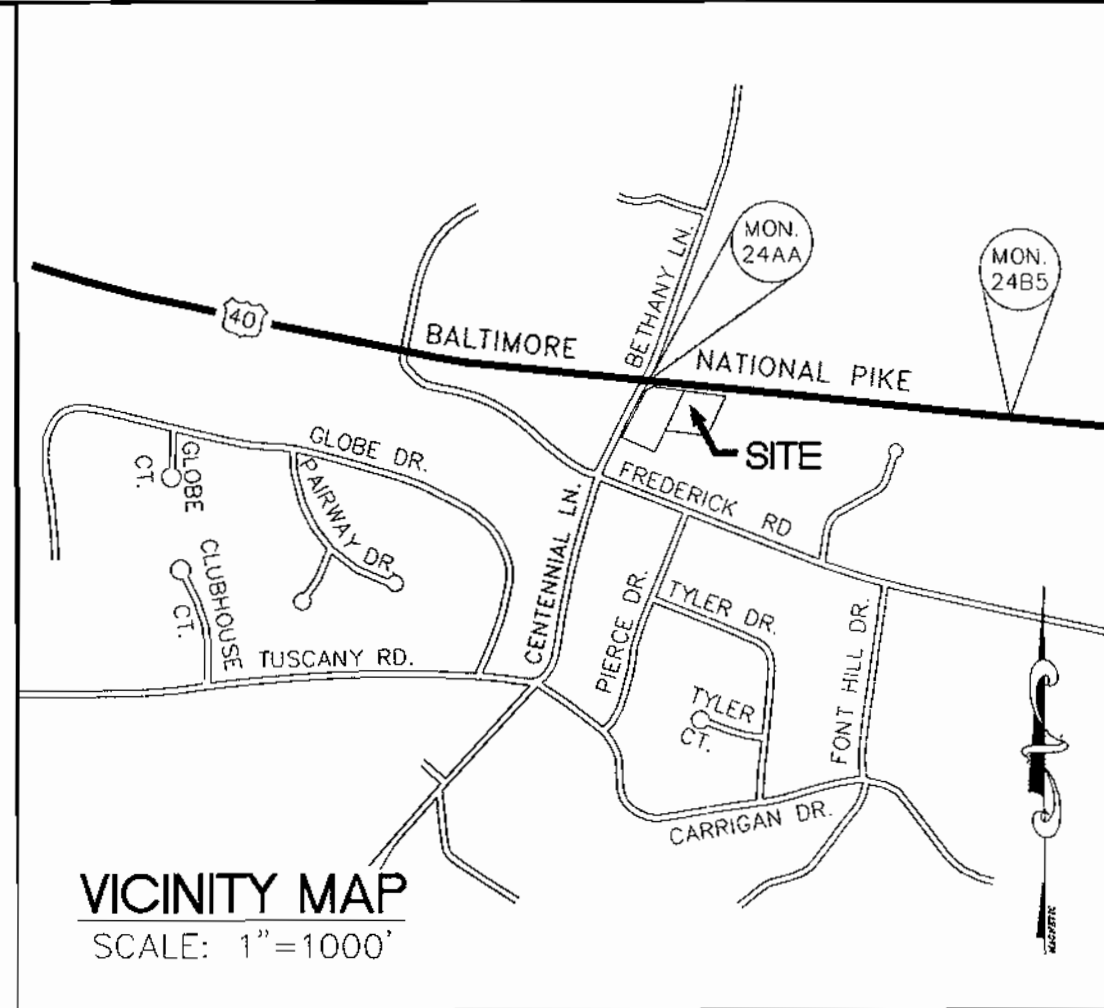
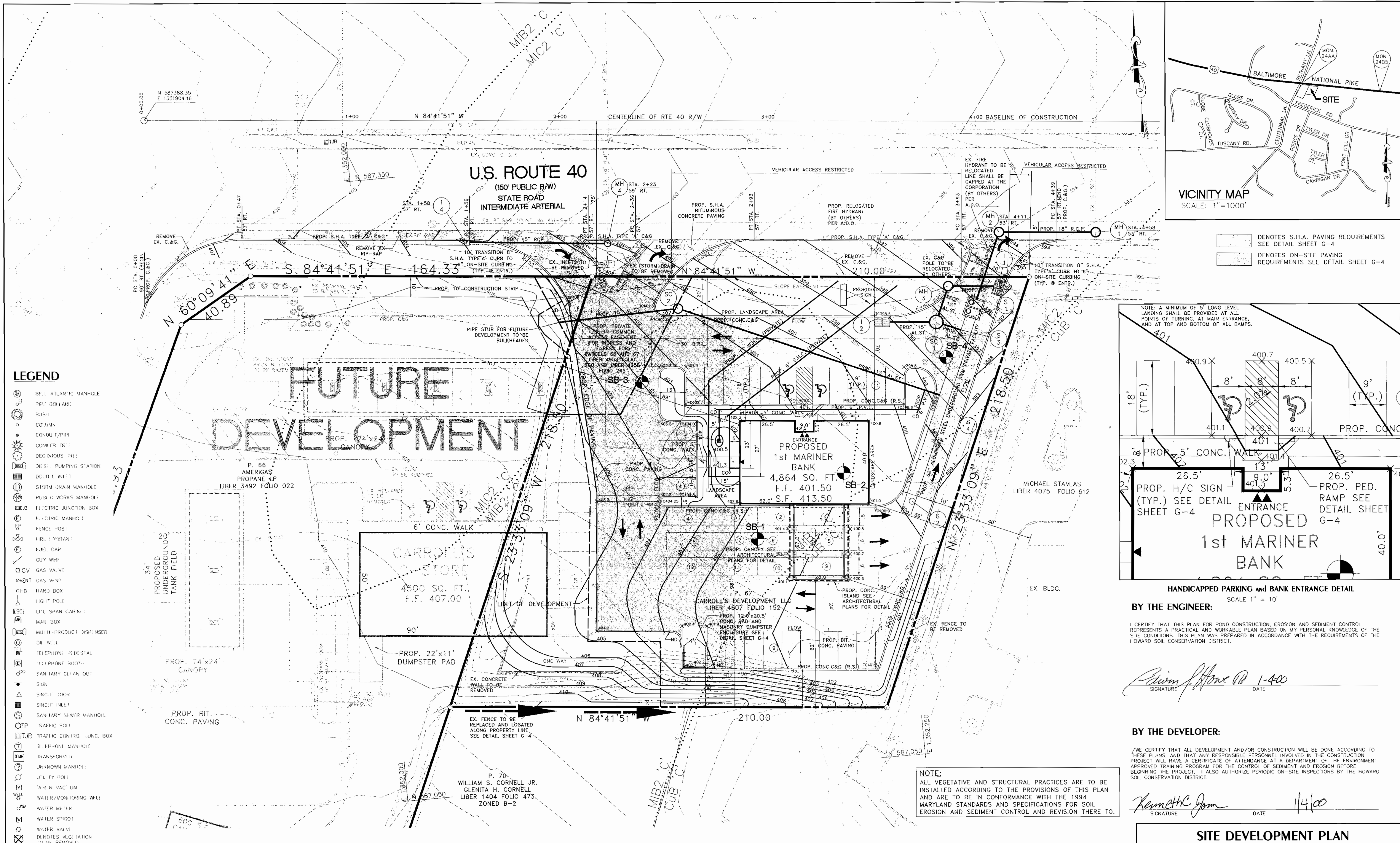
KCW J.O.: 99521
NO SCALE
DESIGNED: K.C.A.
DRAWN: K.C.A.
CHECKED: NSH
DATE: JAN. 4, 2000
DRAWING NO. G-1 SHEET 1 OF 10

REVISIONS		
NO.	DESCRIPTION	DATE

COVER SHEET

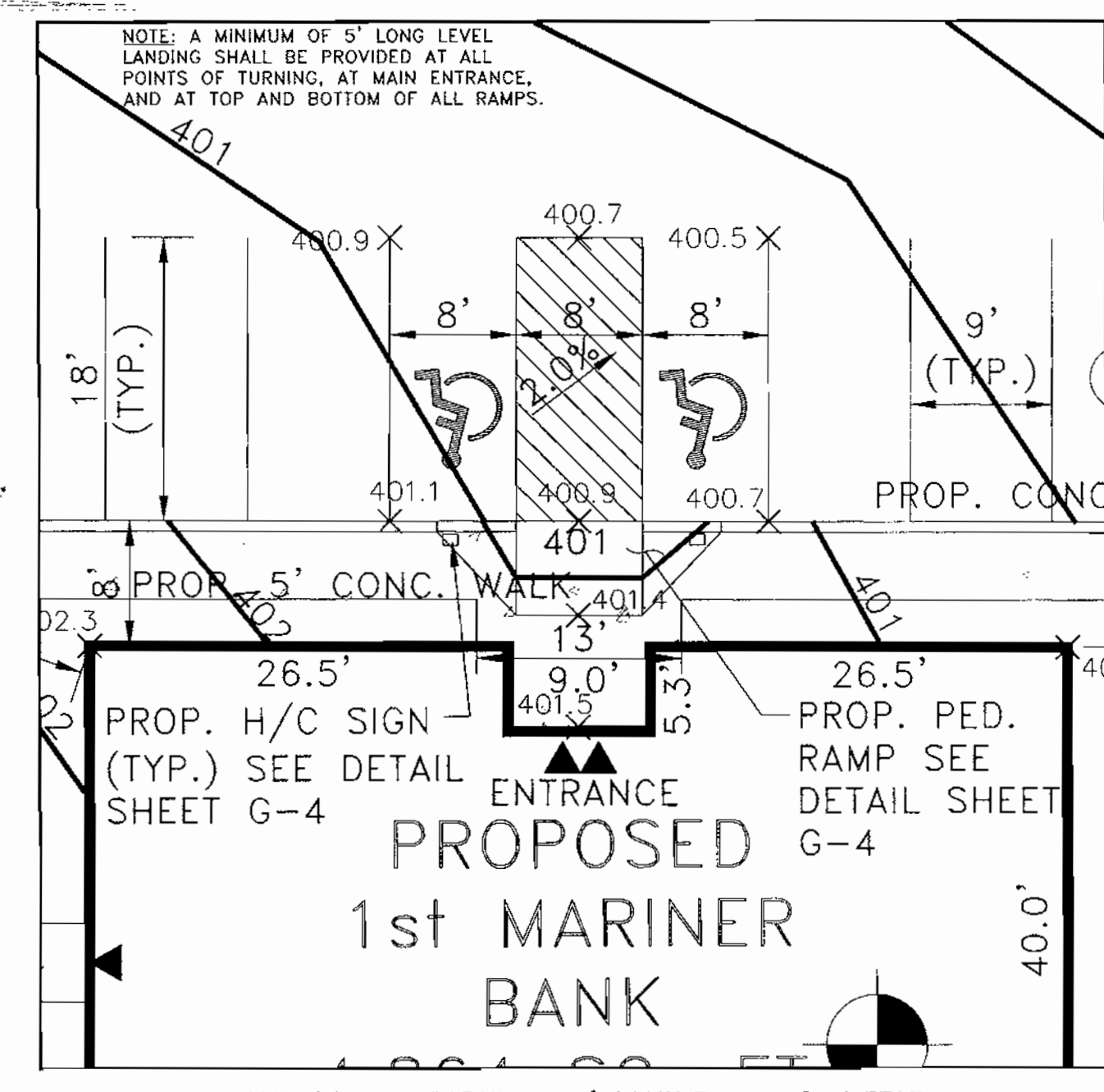
**1st MARINER BANK
ELLICOTT CITY BRANCH**

10065 BALTIMORE NATIONAL PIKE
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT - 2



DENOTES S.H.A. PAVING REQUIREMENTS SEE DETAIL SHEET G-4
 DENOTES ON-SITE PAVING REQUIREMENTS SEE DETAIL SHEET G-4

- LEGEND**
- ATLANTIC MANHOLE
 - BOLLARD
 - BUSH
 - COLUMN
 - CONDUIT/Pipe
 - CONIFER TREE
 - DECIDUOUS TREE
 - DIESEL PUMPING STATION
 - DOUBLE INLET
 - STORM DRAIN MAN-HOLE
 - PUBLIC WORKS MAN-HOLE
 - ELECTRIC JUNCTION BOX
 - ELECTRIC MANHOLE
 - FENCE POST
 - FIRE HYDRANT
 - FUEL CAP
 - GUY WIRE
 - GAS VALVE
 - GVENT GAS VENT
 - HMB HAND BOX
 - LIGHT POLE
 - LIFT SPAN CABINET
 - MAIL BOX
 - MUI II - PRODUCT DISPENSER
 - OIL WELL
 - TELEPHONE PEDestal
 - TELEPHONE BOOTH
 - SANITARY CLEAN OUT
 - SIGN
 - SINGLE DOOR
 - SINGLE INLET
 - SANITARY SEWER MANHOLE
 - TRAFFIC POLE
 - TRAFFIC CONTROL JUNC. BOX
 - TELEPHONE MANHOLE
 - TRANSFORMER
 - UNKNOWN MANHOLE
 - UTILITY POLE
 - AIR N VAC UNIT
 - WATER/MONITORING WELL
 - WATER METER
 - WATER SPOUT
 - WATER VALVE
 - DUNDIES VEG. PLANTATION TO BE REMOVED



HANDICAPPED PARKING and BANK ENTRANCE DETAIL
SCALE 1" = 10'

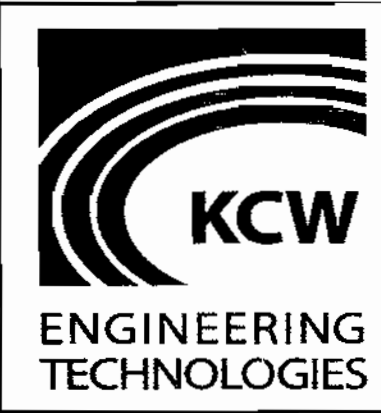
BY THE ENGINEER:
I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Edward J. Howe 1-4-00
SIGNATURE DATE

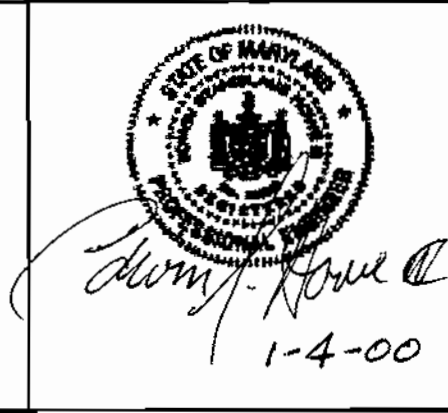
BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF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

Kenneth C. Jones 1/4/00
SIGNATURE DATE

NOTE:
ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISION THERE TO.



KCW Engineering Technologies, Inc.
3104 Timanus Lane, Suite 101
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(410) 281-0033
Fax (410) 281-1065
www.KCW-ET.com



DEVELOPER
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1801 South Clinton Street
Baltimore, Maryland 21224
Attn: Kenneth C. Jones
Tel: (410) 342-1500

OWNER
CARROLL'S DEVELOPMENT, LLC
10065 Baltimore National Pike
Ellicott City, Maryland 21042
Attn: Ashton Meneffe
Tel: (410) 235-1066

THIS PLAN HAS BEEN REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Edward J. Howe 1/4/00
DATE

USDA-NATURAL RESOURCES CONSERVATION SERVICE

THIS DEVELOPMENT PLAN WAS REVIEWED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John K. Blanton 1/4/00
DATE

HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Kathleen Jones 1/25/00
DATE

John K. Blanton 1/25/00
DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION

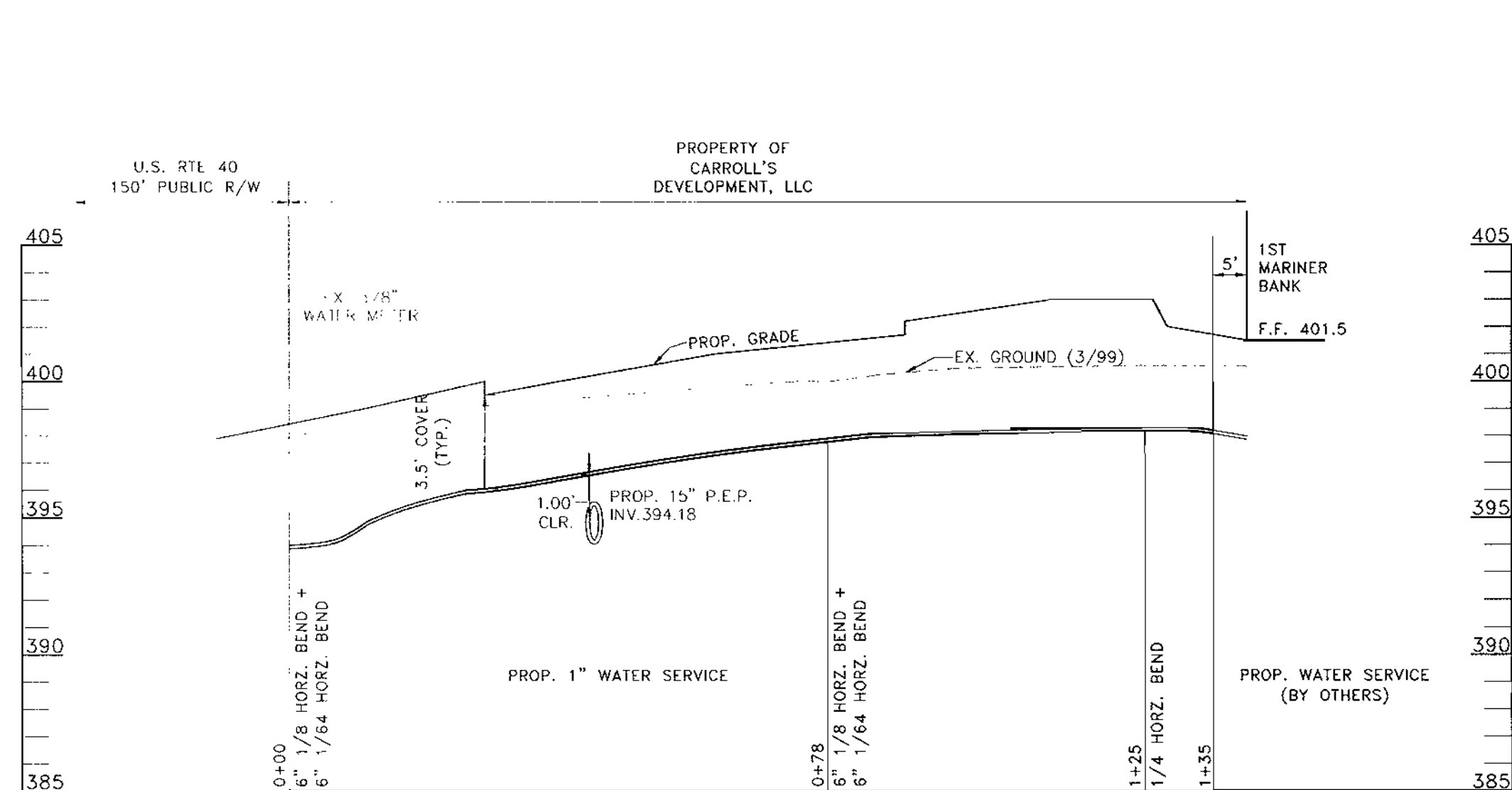
ADDRESS CHART			
Parcel #	67	Street Address	10065 BALTIMORE NATIONAL PIKE ELlicOTT CITY, MD 21042
PERMIT INFORMATION CHART			
Subdivision Name	1st MARINER BANK - ELlicOTT CITY BRANCH	Section/Area	ELlicOTT CITY
Block #	2	Zoning	B-2
Water Code	H-08	Tax Map	24
		Election District	2nd
		Census Tract	6023.01
		Sewer Code	5440000

KCW J.O.: 98432
SCALE 1" = 20'
DESIGNED: K.C.A.
DRAWN: K.C.A.
CHECKED: N.S.H.
DATE: JAN. 4, 2000
DRAWING NO.
G-2 SHEET 2 OF 10

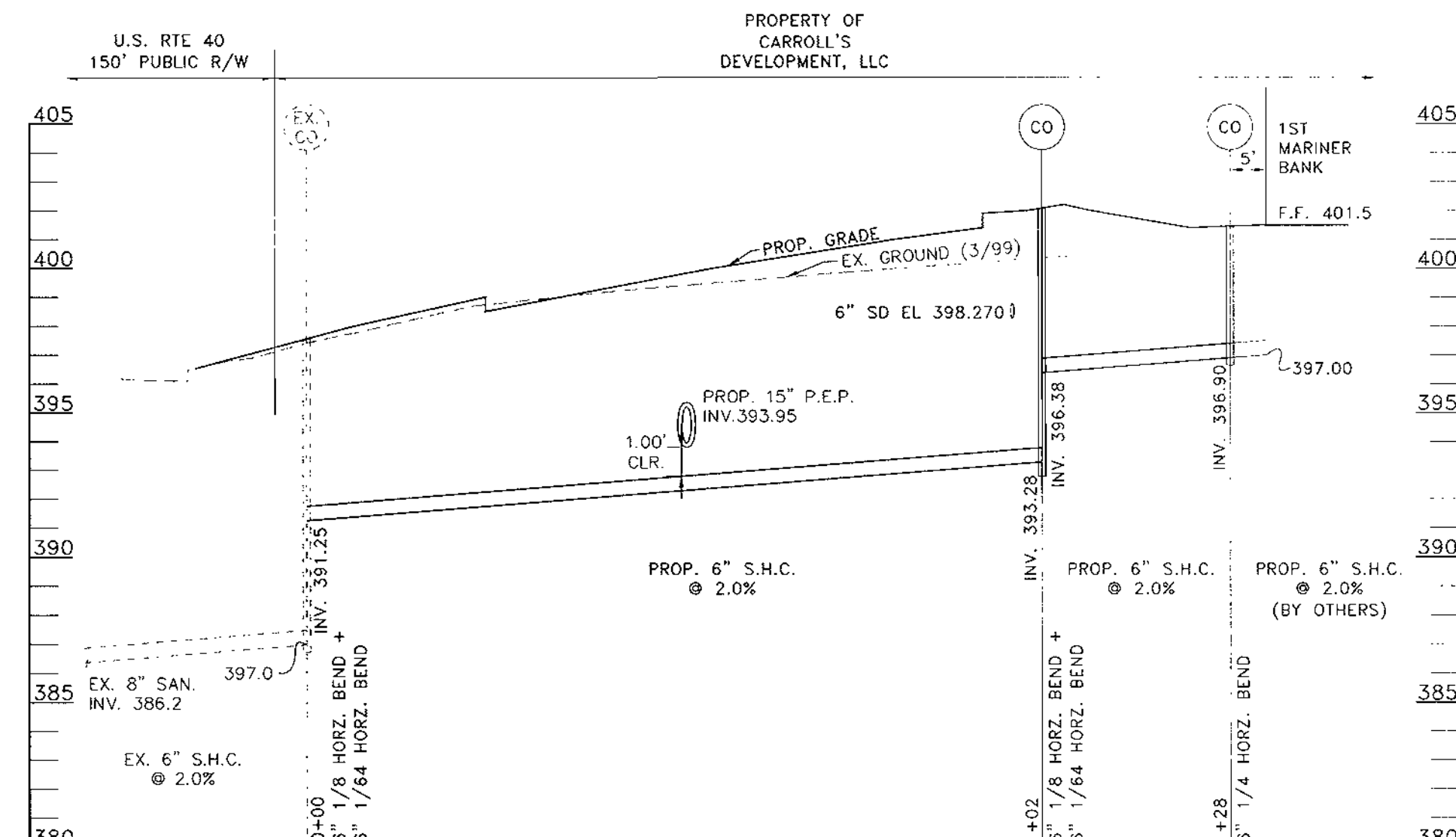
SITE DEVELOPMENT PLAN

1st MARINER BANK
ELlicOTT CITY BRANCH

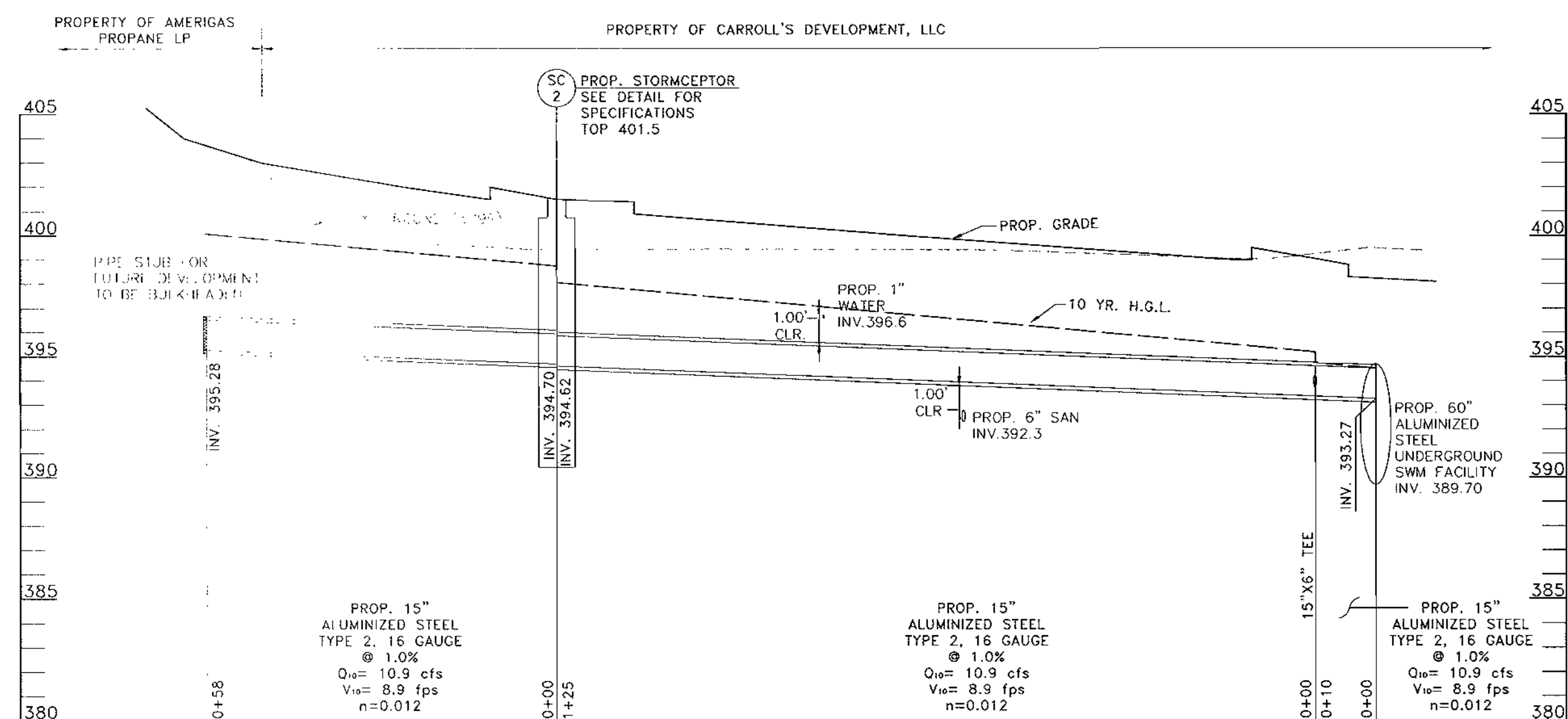
10065 BALTIMORE NATIONAL PIKE
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT - 2



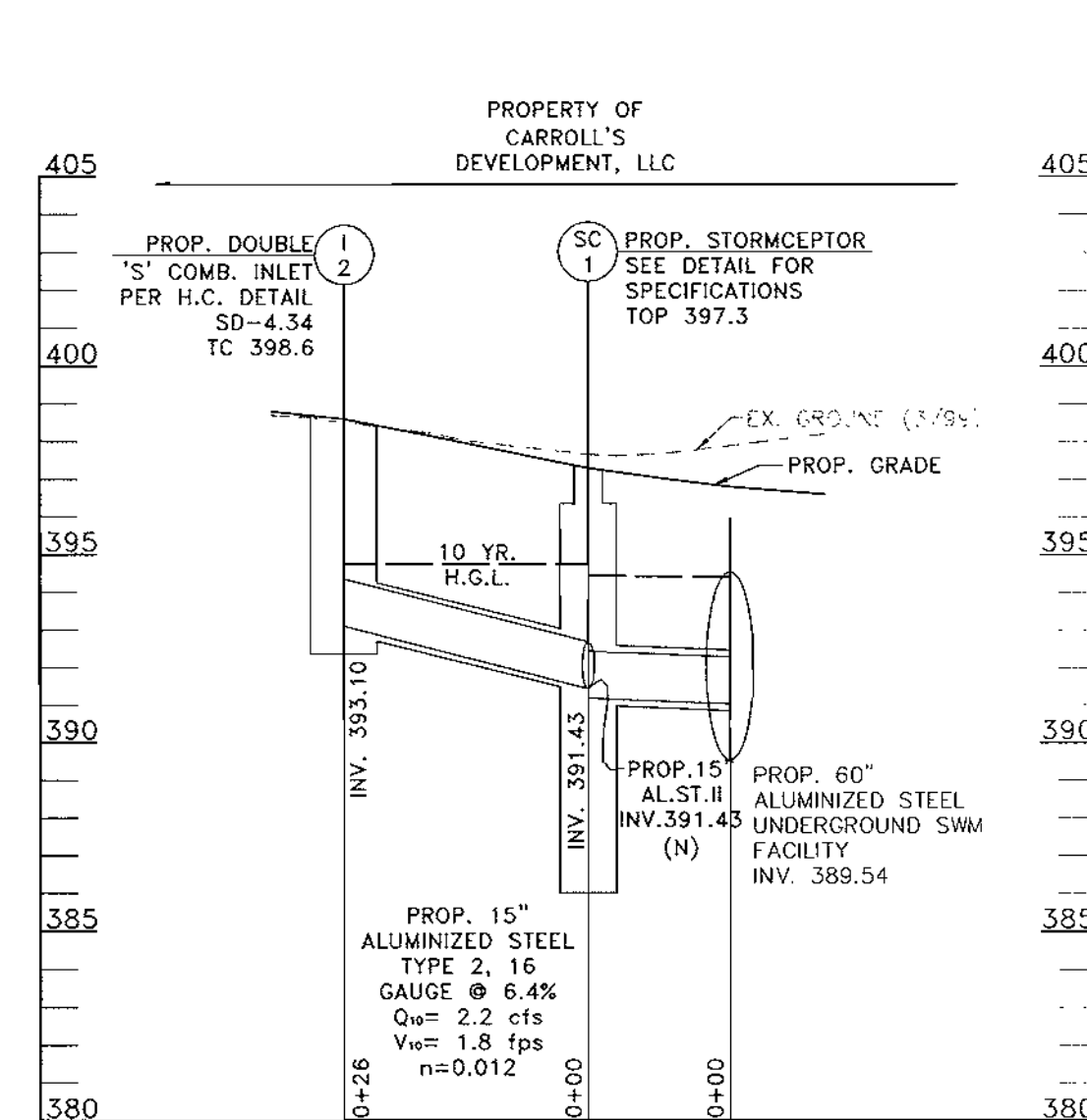
PRIVATE WATER HOUSE CONNECTION
SCALE HORZ. 1"=20'; VERT. 1"=5'



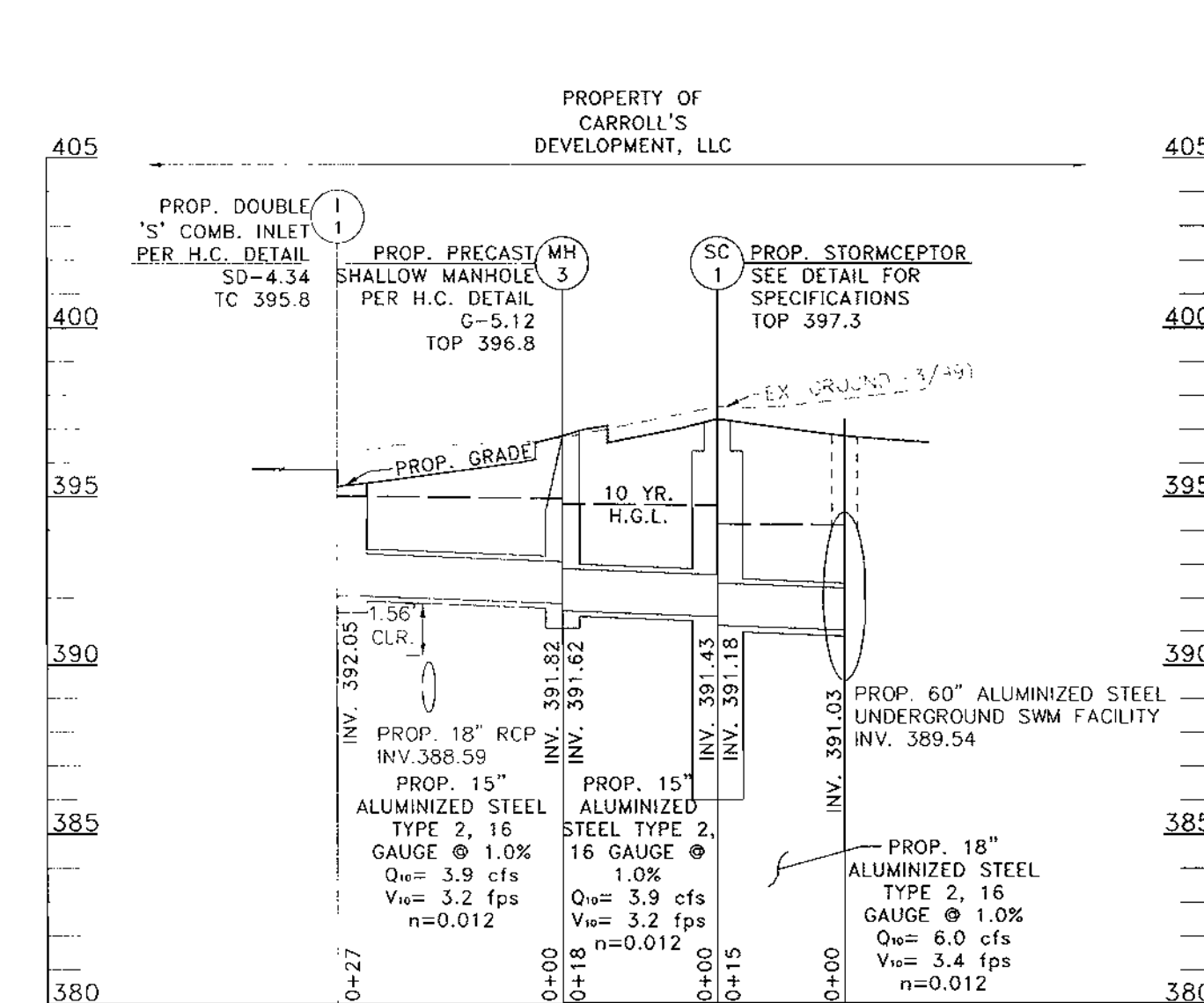
PRIVATE SEWER HOUSE CONNECTION
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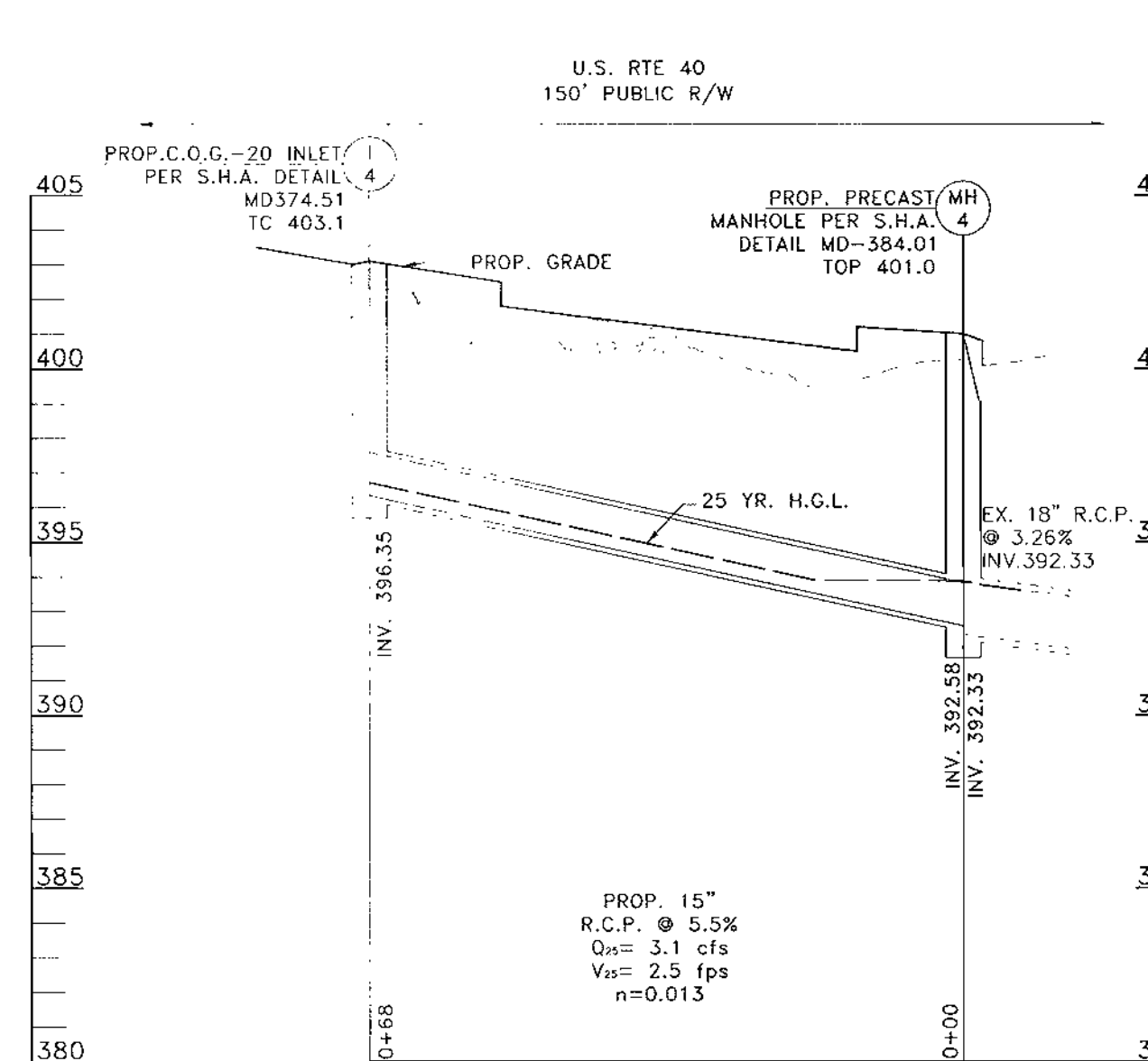
PRIVATE STORM DRAIN PROFILE
SCALE HORZ. 1"=20'; VERT. 1"=5'



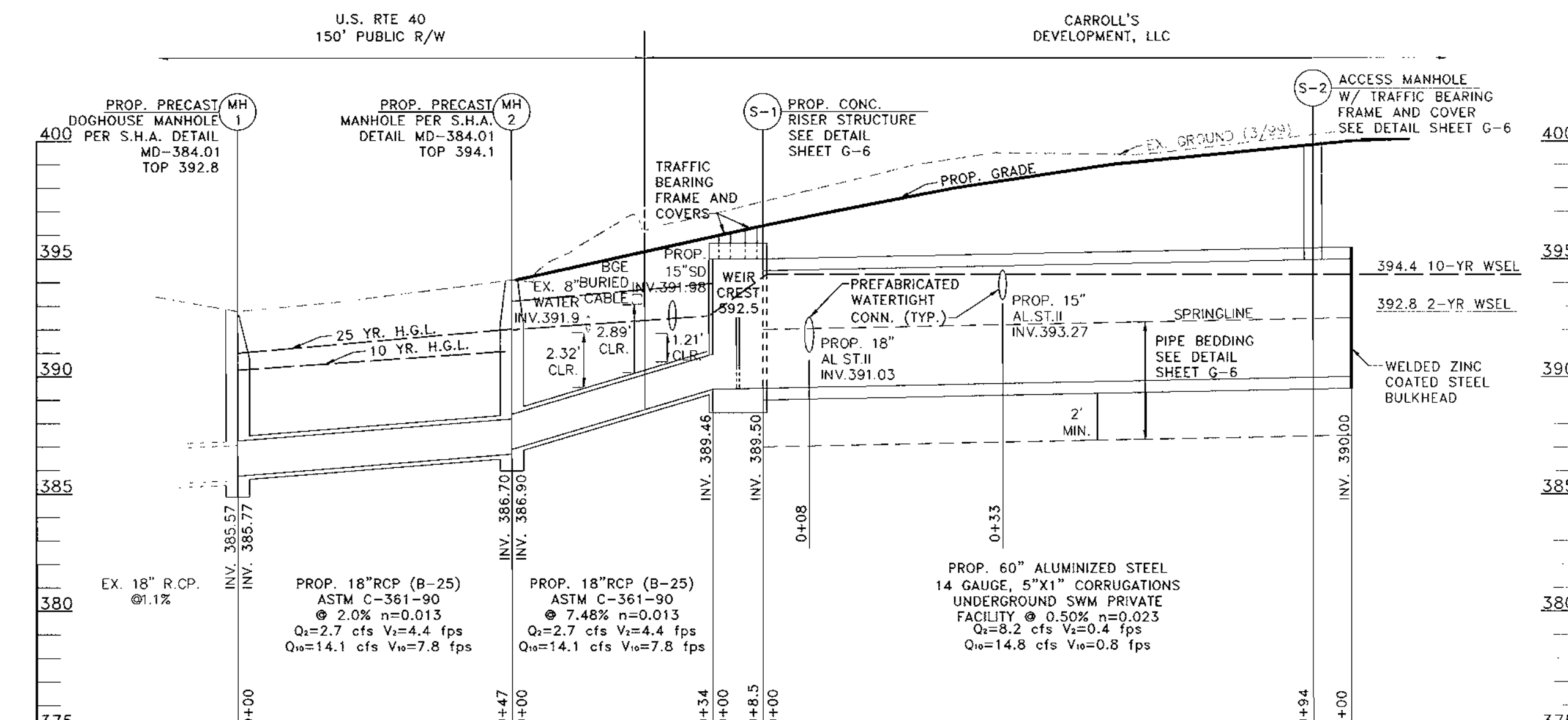
PRIVATE STORM DRAIN PROFILE
SCALE HORZ. 1"=20'; VERT. 1"=5'



PRIVATE STORM DRAIN PROFILE
SCALE HORZ. 1"=20'; VERT. 1"=5'



S.H.A. STORM DRAIN PROFILE
SCALE HORZ. 1"=20'; VERT. 1"=5'



STORMWATER MANAGEMENT OUTFALL
SCALE HORZ. 1"=20'; VERT. 1"=5'

STRUCTURE SCHEDULE							
NO.	TYPE	TOP	INV. IN	INV. OUT	LOCATION	REMARKS	OWNERSHIP
I-1	DOUBLE "S" COMB.	TC 395.8	---	392.05	AS PER PLAN	SD 4.34	PRIVATE
I-2	DOUBLE "S" COMB.	TC 398.6	---	393.1	AS PER PLAN	SD 4.34	PRIVATE
I-3	10" INLINE DRAIN	GRATE 400.5	---	398.5	AS PER PLAN	NYLOPLAST OR APPROVED EQUAL	PRIVATE
I-4	S.H.A. COG-20	TC 403.1	---	396.35	STA.1+56 57' RT.	MD-374.51	S.H.A.
MH-1	S.H.A. PRECAST DOGHOUSE	392.8	385.77	385.57	STA.4+58 53' RT.	MD-384.01	S.H.A.
MH-2	S.H.A. PRECAST	394.1	386.90	398.70	STA.4+11 53' RT.	MD-384.01	S.H.A.
MH-3	H.C. PRECAST	396.8	391.82	391.62	AS PER PLAN	G-5.12	PRIVATE
MH-4	S.H.A. PRECAST	401.0	392.58	392.33	STA.2+23 59' RT.	G-5.12	S.H.A.
SC-1	STC 1200	397.3	391.43	391.18	AS PER PLAN	SEE DETAIL SHEET G-7	PRIVATE
SC-2	STC 1800	401.5	394.70	394.62	AS PER PLAN	SEE DETAIL SHEET G-7	PRIVATE
S-1	RISER	VARIES	389.50	398.46	AS PER PLAN	SEE DETAIL SHEET G-6	PRIVATE
S-2	ACCESS MANHOLE	399.7	389.97	---	AS PER PLAN	SEE DETAIL SHEET G-6	PRIVATE
S-3	PIPE CONN.	---	389.50	398.46	AS PER PLAN	PREFAB. WATERTIGHT CONN.	PRIVATE
S-4	PIPE CONN.	---	389.50	398.46	AS PER PLAN	PREFAB. WATERTIGHT CONN.	PRIVATE

PIPE SCHEDULE				
PIPE MATERIAL	PIPE SIZE	PIPE LENGTH	OWNERSHIP	REMARKS
POLYVINYL CHLORIDE (SCH 40)	6"	125 L.F.	PRIVATE	---
ALUMINIZED STEEL TYPE 2, 16 GAUGE ULTRA FLO PIPE	15"	264 L.F.	PRIVATE	---
	18"	15 L.F.	PRIVATE	---
REINFORCED CONCRETE, CLASS IV	15"	68 L.F.	MD-S.H.A.	ACCESS PERMIT #
	18"	69 L.F.	MD-S.H.A.	ACCESS PERMIT #
	18"	12 L.F.	PRIVATE	---
ALUMINIZED STEEL, 14 GAUGE 5X1 CORRUGATIONS	60"	100 L.F.	PRIVATE	SWM FACILITY

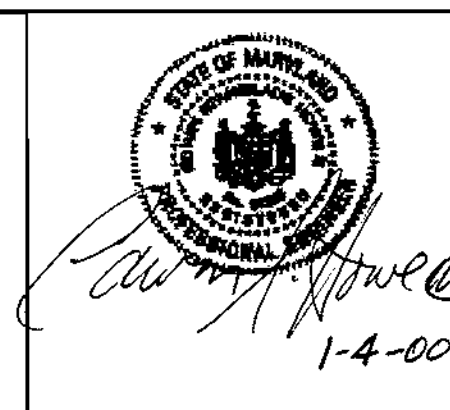
UTILITY PROFILES

1st MARINER BANK
ELLCOTT CITY BRANCH

10065 BALTIMORE NATIONAL PIKE
HOWARD COUNTY, MARYLAND ELECTION DISTRICT - 2

KCW
ENGINEERING TECHNOLOGIES

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OWNER:
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Ellicott City, Maryland 21042
Attn: Ashton Meneses
Tel: (410) 235-1066

THIS PLAN HAS BEEN REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

APPROVED: *Clayton Simmons* 1/14/00
HOWARD SOIL CONSERVATION DISTRICT

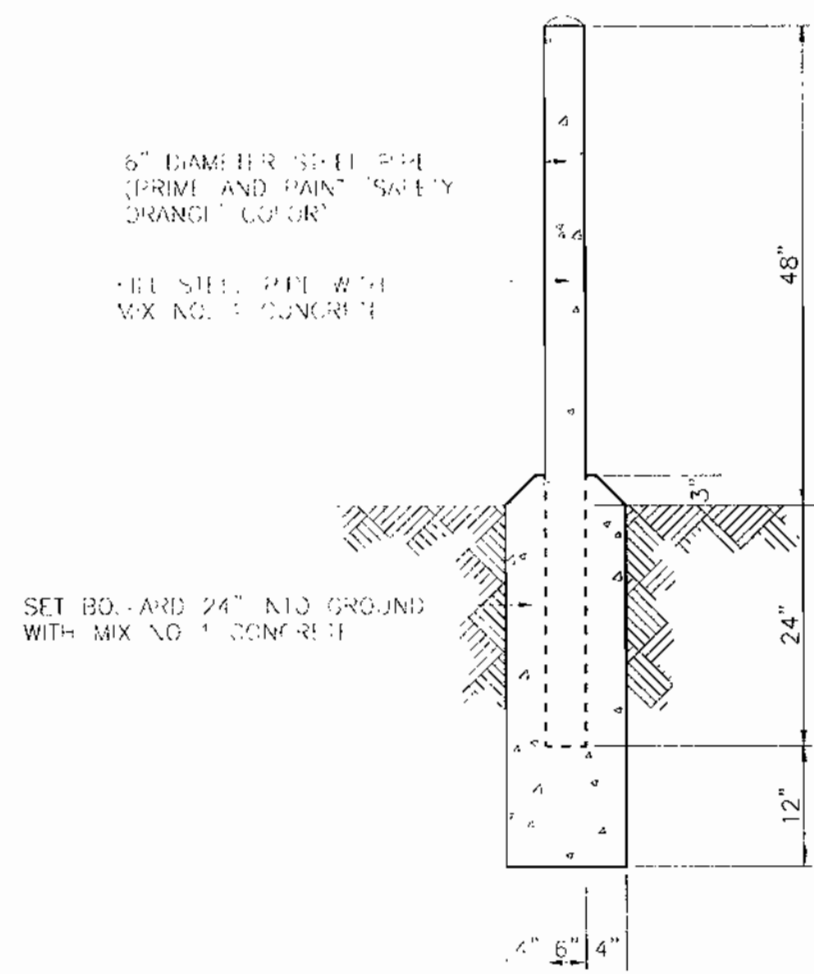
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

APPROVED: *John K. Roberts* 1/14/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION

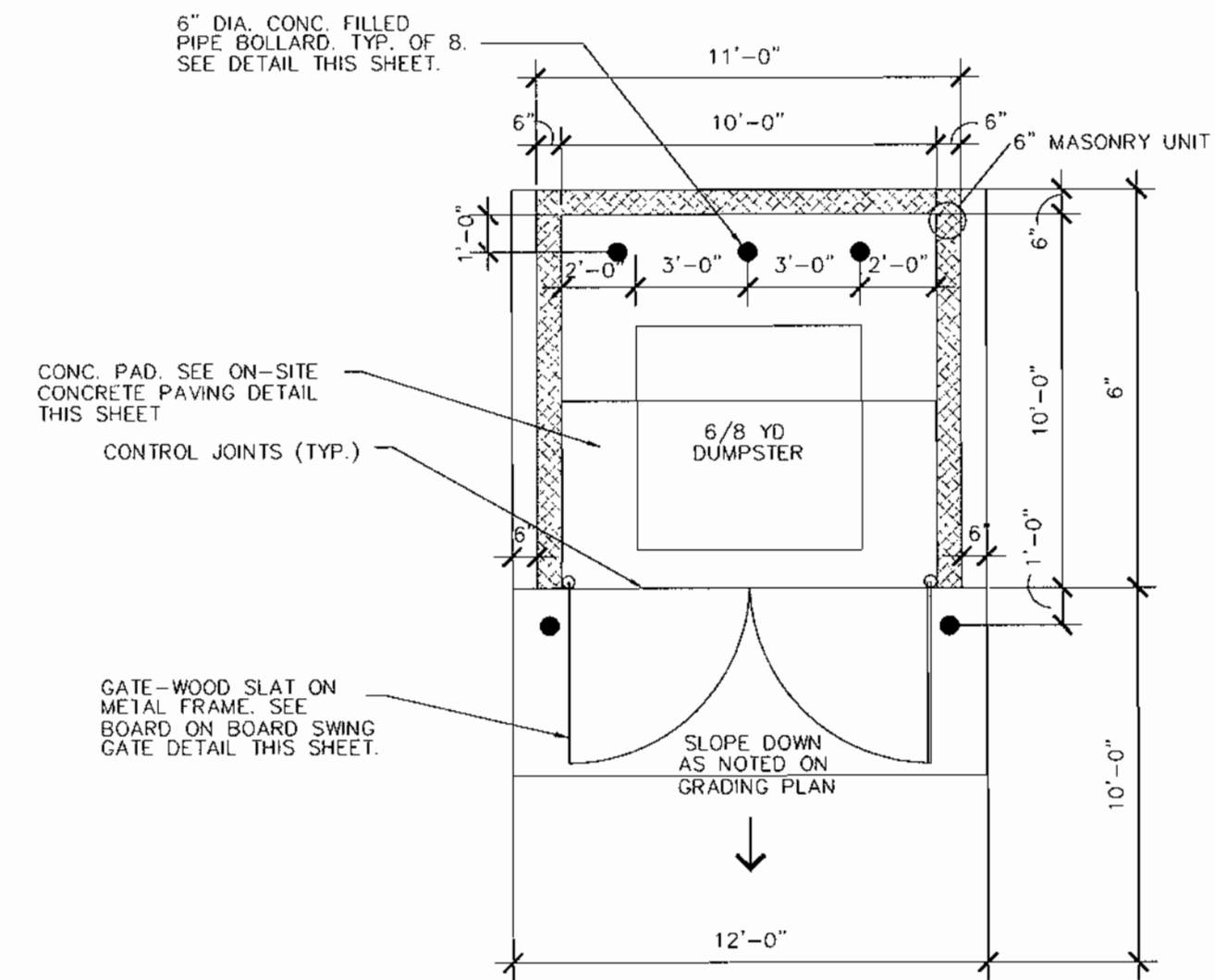
ADDRESS CHART
Subdivision Name: 1st MARINER BANK - ELLICOTT CITY BRANCH
Block: 2
Water Code: H 08

PERMIT INFORMATION CHART
Parcel #: 67
Section/Area: ELLICOTT CITY
Election District: 2nd
Census Tract: 6023.01
Sewer Code: 5440000

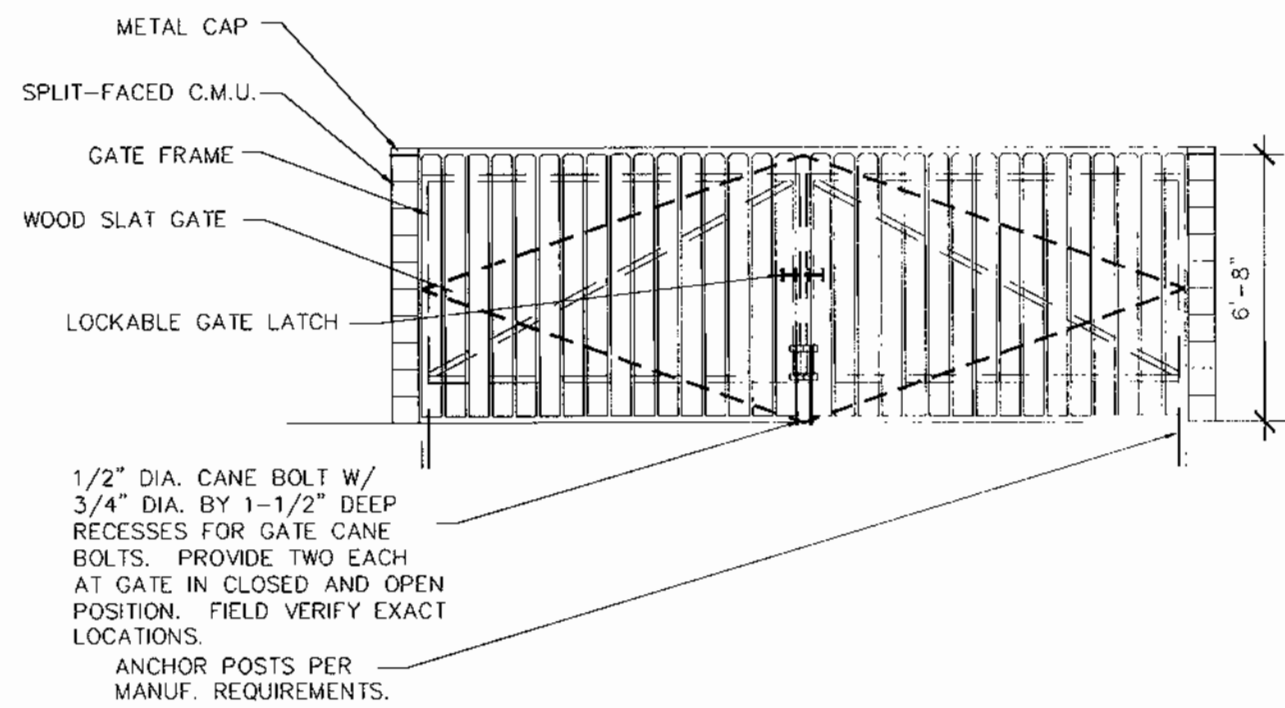
KCW J.O.: 98432
SCALE 1" = 20'
DESIGNED: K.C.A.
DRAWN: K.C.A.
CHECKED: N.S.H.
DATE: JAN. 4, 2000
DRAWING NO. G-3 SHEET 3 OF 10
SDP 00-36



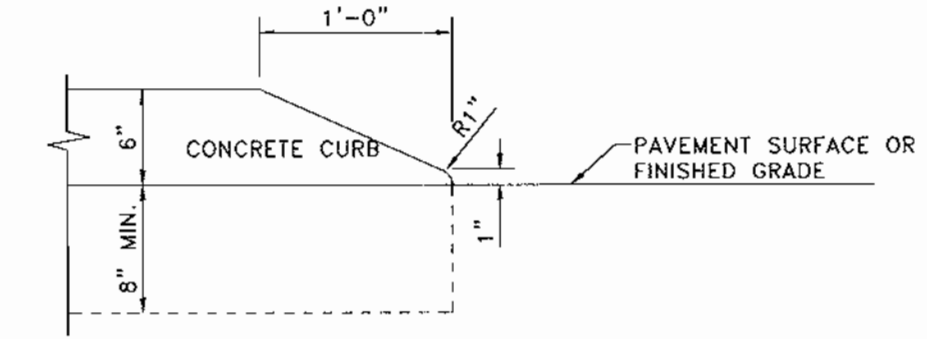
PIPE BOLLARD
NOT TO SCALE



MASONRY DUMPSTER ENCLOSURE
NOT TO SCALE



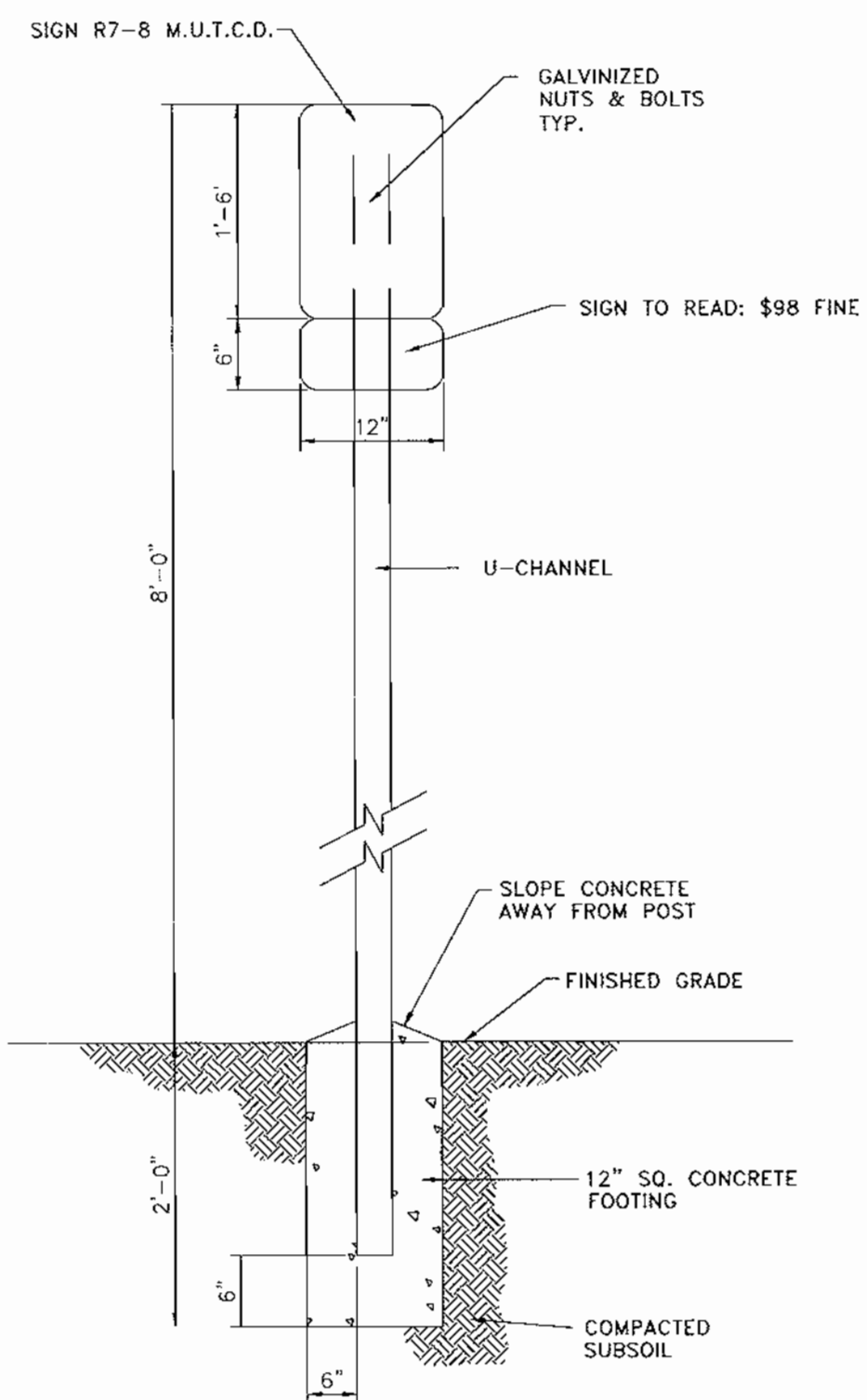
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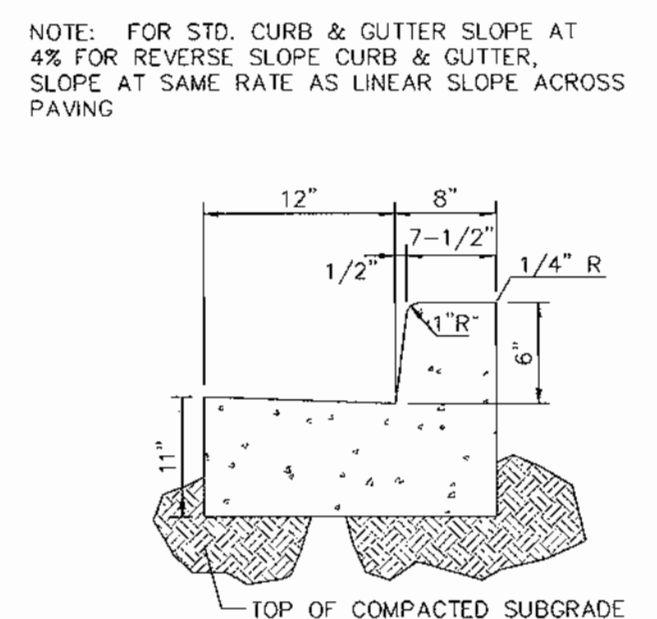
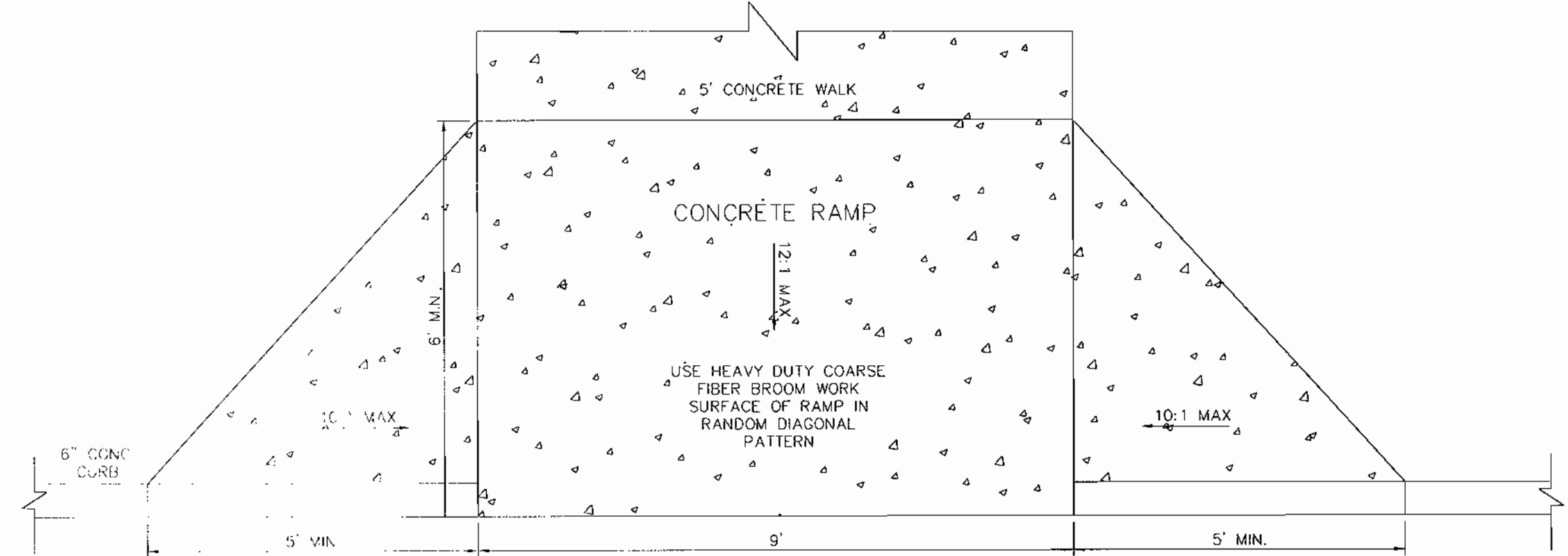
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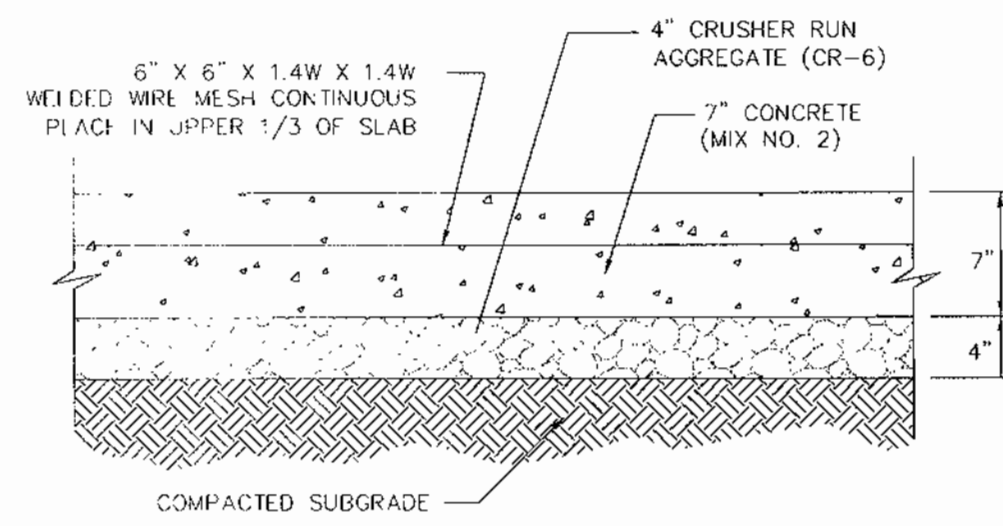
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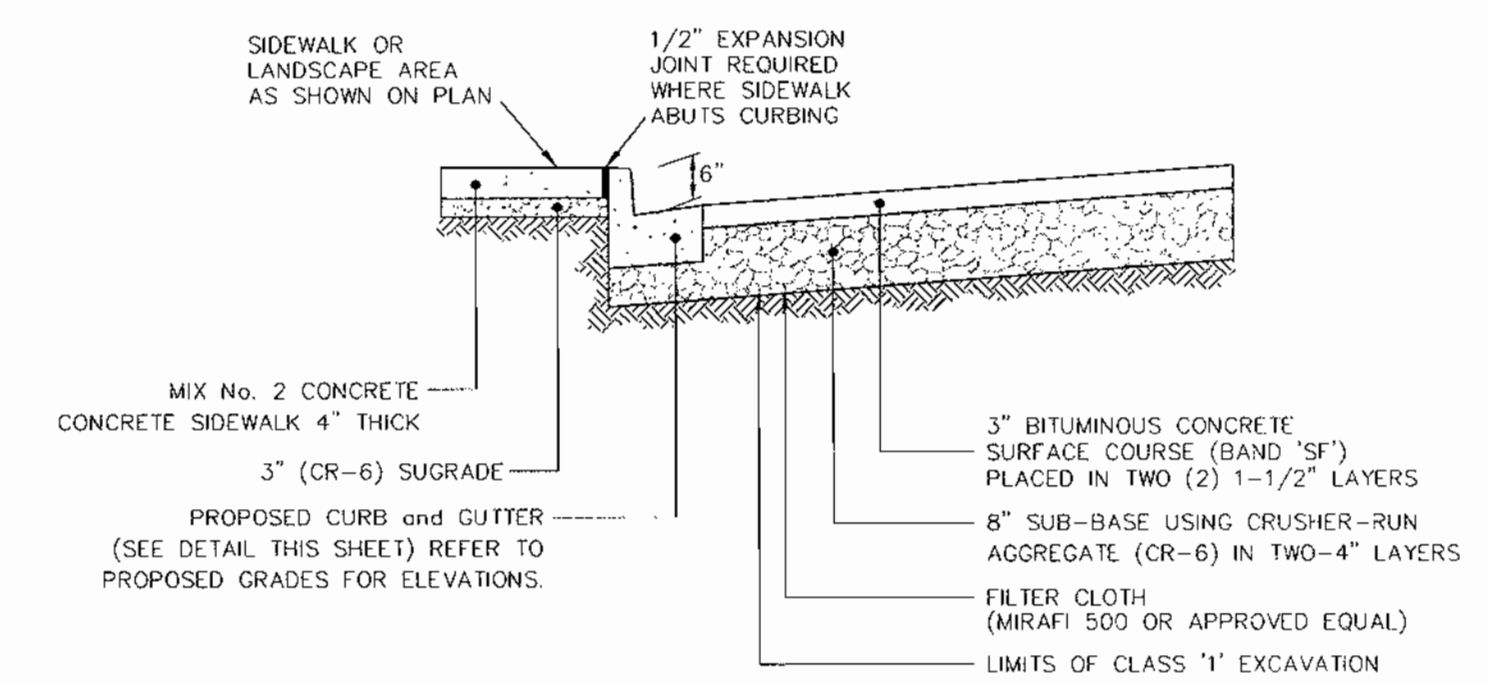
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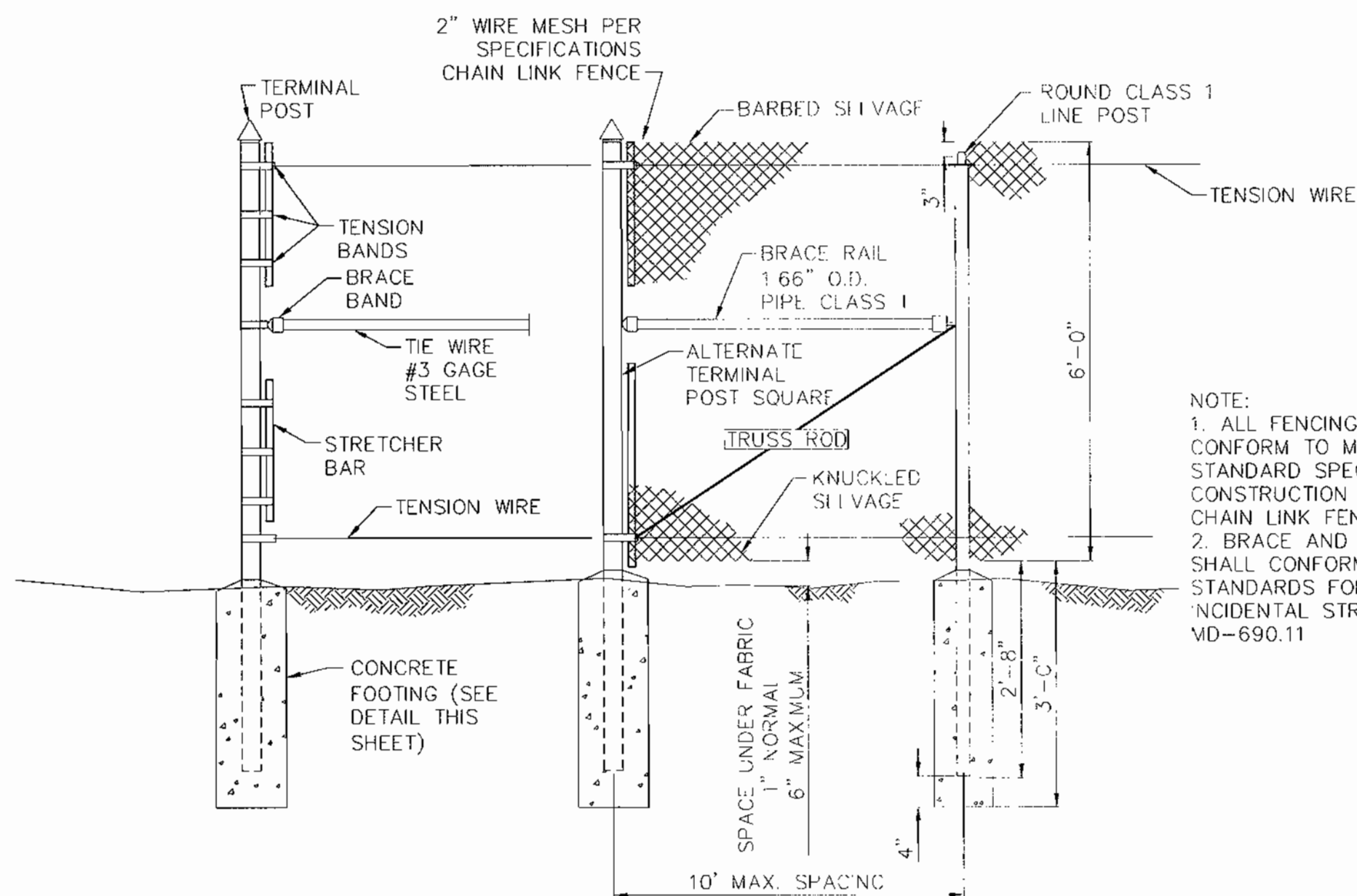
ON-SITE CONCRETE CURB AND GUTTER
NOT TO SCALE



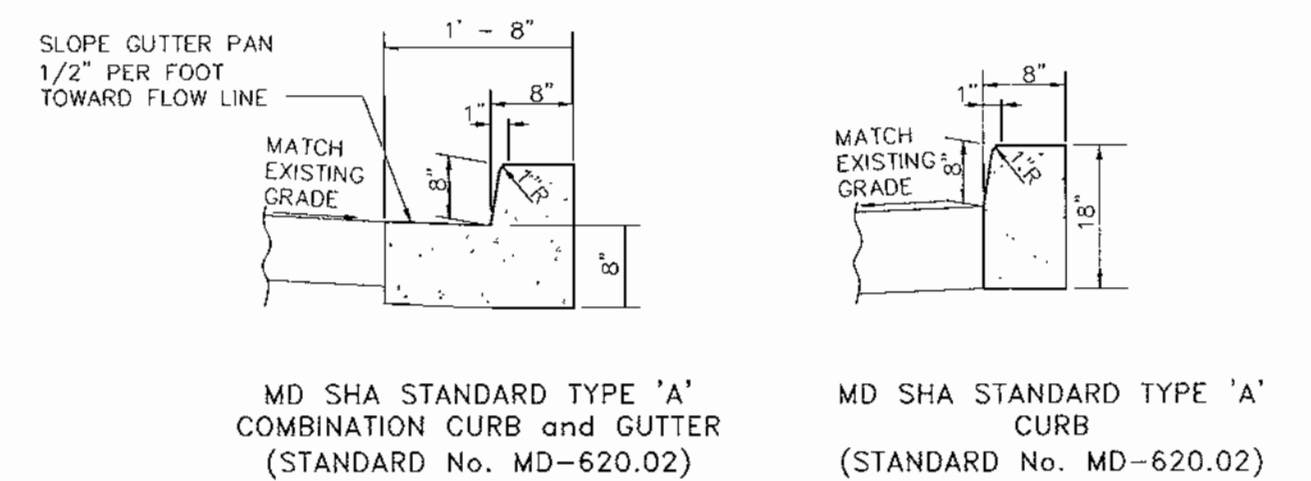
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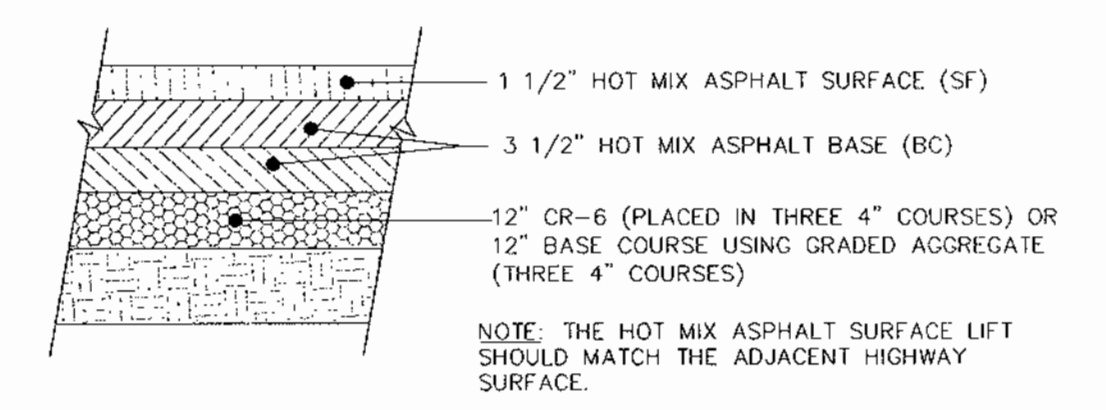
PROPOSED ON-SITE PAVING AND SIDEWALK
NOT TO SCALE



6' CHAIN LINK FENCE
NOT TO SCALE



SHA CURB DETAILS
NOT TO SCALE



SHA TYPICAL PAVING SECTION
NOT TO SCALE



KCW Engineering Technologies, Inc.
3104 Timanus Lane, Suite 101
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DEVELOPER:
1st MARINER BANK
1801 South Clinton Street
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OWNER:
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10065 Baltimore National Pike
Ellicott City, Maryland 21042
Attn: Ashton Mamefes
Tele: (410) 235-1066

THIS PLAN HAS BEEN REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL

Cheryl Simmons 1/14/00
SOIL CONSERVATION DISTRICT

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

John P. [Signature] 1/14/00
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Robert [Signature] 1/14/00
CHIEF, DIVISION OF LAND DEVELOPMENT

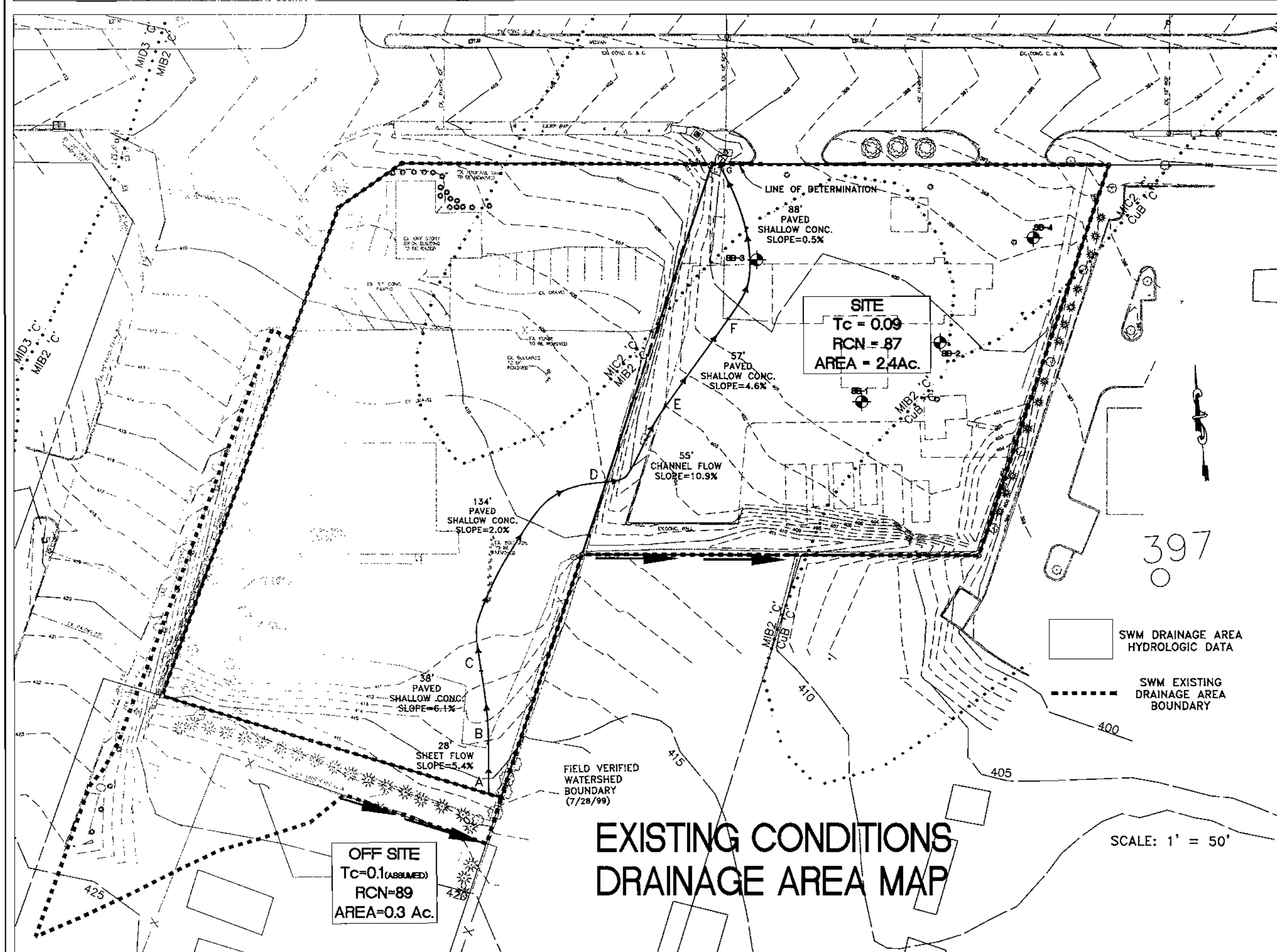
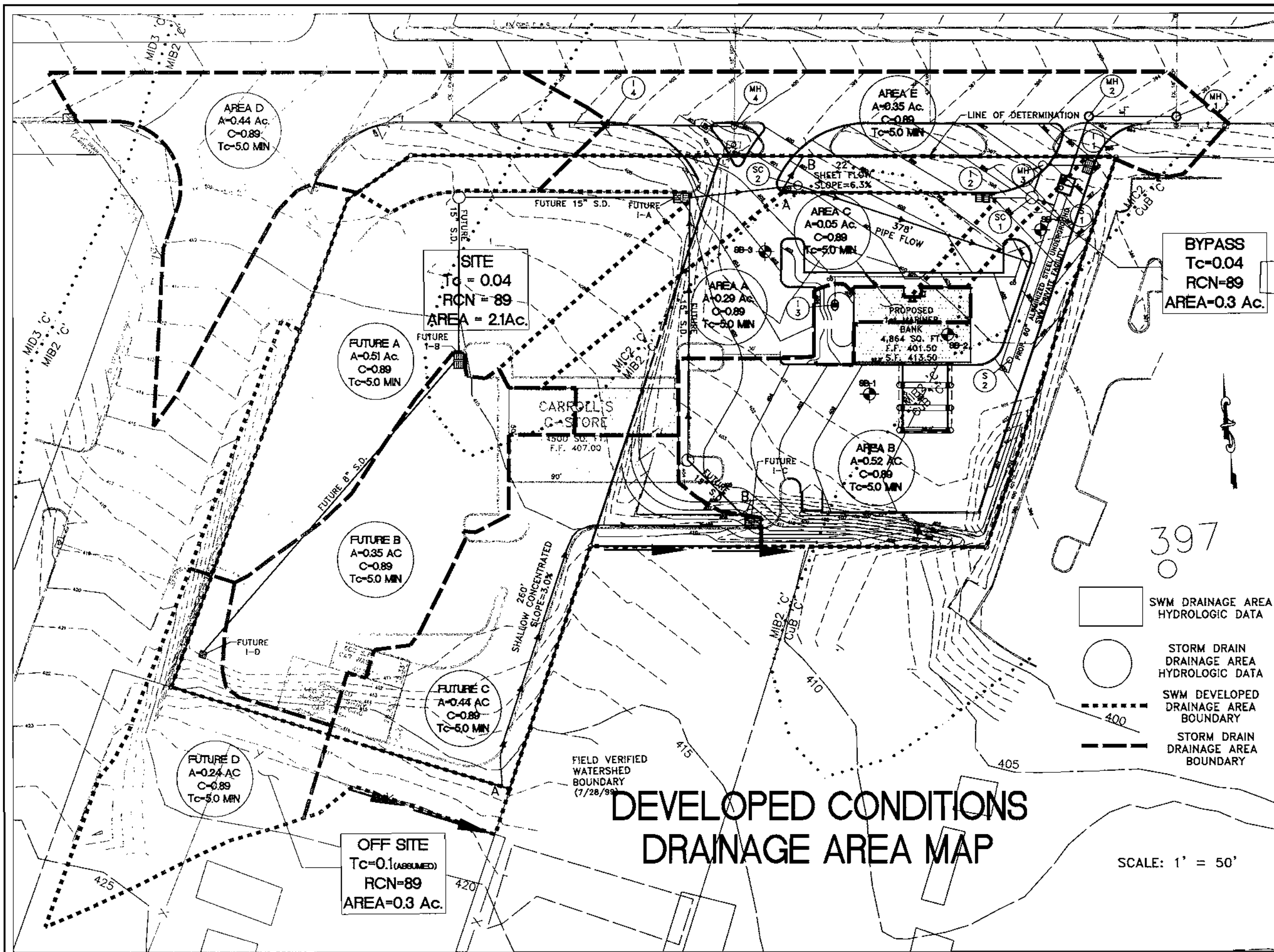
John [Signature] 1/14/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION

ADDRESS CHART	
Parcel #	67
Street Address	10065 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD 21042
PERMIT INFORMATION CHART	
Subdivision Name	1st MARINER BANK - ELLICOTT CITY BRANCH
Section/Block	ELLICOTT CITY
Parcel #	67
Map	460/1152
Block #	2
Zoning	B-2
Tax Map	24
Election District	2nd
Genus Tract	6023.01
Water Code	H-08
Sewer Code	5440000

KCW J.O.: 98432
NOT TO SCALE
DESIGNED: K.M.W.
DRAWN: K.M.W.
CHECKED: N.S.H.
DATE: JAN. 4, 2000
DRAWING NO. G-4 SHEET 4 OF 10
SDP 00-36

SITE DETAILS

1st MARINER BANK
ELLICOTT CITY BRANCH
10065 BALTIMORE NATIONAL PIKE
HOWARD COUNTY, MARYLAND ELECTION DISTRICT - 2



CONSULTANT'S HAZARD CLASS CERTIFICATION

"I certify that this pond meets all requirements for hazard class A. [Requirements as stated in the SOIL CONSERVATION SERVICE - MARYLAND STANDARDS AND SPECIFICATIONS FOR POND, CODE 378, NOVEMBER 1992.] All necessary investigations have been performed to verify this finding. A copy of said information has been supplied to S.C.S./H.C.S.C.D.

Signature: *Edwin S. Howe III* Md. License No. 20229
 Print Name: Edwin S. Howe III Date: 1-4-00

SOIL LEGEND

SYMBOL	NAME/DESCRIPTION	SOIL GROUP
MIB2	Manor Loam, 3-8% slopes, moderately eroded	'B'
MIC2	Manor Loam, 8-15% slopes, moderately eroded	'B'
CuB	Comus Silt Loam, local alluvium, 3-8% slopes	'B'

HOWARD COUNTY SOIL SURVEY MAP No. 15

RECORD OF SOIL EXPLORATION

Project Name: 1st Mariner Bank, Ellicott City
 Project Number: 899-03
 Coordination: N/A Boring Location: Please see Soil Boring Location Map
 Surf. Elev.: N/A Water Table: Not encountered during or after drilling
 Date Started: 8-9-99 Date Finished: 8-9-99
 Checked By: J.K.

SAMPLE #	SOIL DESCRIPTION	STRA.	DEPTH	CON.	SAMPLE	LEGEND
S-1	Black top and gravel	0-12"	0			
S-2	Grayish silty sand, trace of gravel, moist, medium dense, moisture content 9.4%, "SM"	12"-15"	1'-2.5"	0	5-7-7	
S-3	Same as soil sample S-2, moisture content 7.5%, "SM"	35'-5"	0	0	6-6-9	
S-4	Grayish brown silty sand, trace of gravel, moist, medium dense, moisture content 5.9%, "SM"	6'-7.5"	0	0	5-8-6	
S-5	Same as soil sample S-4, moisture content 6.8%, "SM"	8.5'-10"	0	0	4-7-8	
S-6	Same as soil sample S-4, moisture content 8.9%, "SM"	13.5'-15"	0	0	7-7-8	

End of Soil Boring at 15 Feet
 SAMPLER TYPE: D-DISTURBED, O-OTHERWISE NOTED, P-PROBING SHELBY TUBE, CA-CORROUS FLIGHT AUGER, RC-ROCK CORE
 SAMPLE CONDITIONS: I-INTACT, U-UNDISTURBED, L-LOST
 GROUND WATER DEPTH: AT COMPLETION, AFTER, AFTER
 BORING METHOD: HSA-Hollow Stem Augers, CFA-Cast Flight Augers, HSA-Hollow Stem Augers

SUBSURFACE SOIL INVESTIGATION PREPARED BY: TECH EARTH & ENVIRONMENTAL, INC ANNAPOLIS, MARYLAND

BY THE ENGINEER:

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

Signature: *Edwin S. Howe III* DATE: 1-4-00

BY THE DEVELOPER:

I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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: *Kenneth C. Jones* DATE: 1/4/00

CONSTRUCTION SPECIFICATIONS

I. GENERAL
 These specifications apply to all ponds designed in accordance with SCS Standard for Practice MD-378, dated November 1992. All work shall be accomplished in accordance with approved plans. All references to ASTM and AASHTO specifications apply to the most recent version.

II. SITE PREPARATION
 Areas designated for embankment, structural works and borrow areas shall be cleared, grubbed and stripped of topsoil to remove all trees, vegetation, roots and other objectionable material. Channel banks and sharp breaks shall be sloped no steeper than 1:1. Areas to be covered by the reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface. For dry stormwater management ponds, a minimum of a 50 foot radius around the inlet structure shall be cleared. All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir or to an off-site area. A sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

III. EARTH FILL
 The fill material shall be taken from approved designated borrow areas. It shall be free of roots, stumps, wood, rubbish, stones greater than 6", frozen or other objectionable materials. Fill material for the center of the embankment and cut off trench shall consist of United Soil Classification CC, SC, CH, or CL. All fill material shall be approved by the Soils Engineer prior to use. The fill shall be placed and compacted to the elevations specified on these plans.
PLACEMENT: Areas on which fill is to be placed shall be scarified and proof-rolled prior to placement of fill. Fill materials shall be placed in maximum 8-inch thick (before compaction) layers which are to be continuous over the entire length of the fill. The most permeable borrow material shall be placed in the downstream portions of the embankment. The principal spillway must be installed concurrently with fill placement and not excavated into the embankment.
COMPACTION: The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tires or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction will be obtained with the equipment used. The fill material shall contain sufficient moisture so that if formed into a ball it will not crumble yet not be so wet that water can be squeezed out.
 Compaction shall not be less than 95% of maximum dry density with a moisture content within + 2% of the optimum. Each layer of fill shall be compacted as necessary to obtain that density, and is to be certified by the Soils Engineer at the time of construction. All compaction is to be determined by AASHTO Method 1-99.

IV. STRUCTURAL BACKFILL
 Backfill adjacent to pipes or structures shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other manually directed compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driven equipment be allowed to operate closer than 4 feet, measured horizontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe, unless there is a compacted fill of 2 feet or greater over the structure or pipe.

V. PIPE CONDUITS
 All pipes shall be circular in cross section.
REINFORCED CONCRETE PIPE: - All of the following criteria shall apply for reinforced concrete pipe:
 1. Materials - Reinforced concrete pipe shall have bell and spigot joints with rubber gaskets and shall equal or exceed ASTM Designation C-361.
 2. Bedding - All reinforced concrete pipe conduits shall be laid in a concrete bedding for their entire length. This bedding shall consist of high slump concrete placed at least 10% of its outside diameter with a minimum thickness of 3 inches, or as shown on the drawings.
 3. Laying Pipe - Bell and spigot pipe shall be placed with the bell end upstream. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are sealed for the entire line, the bedding shall be placed so that all spaces under the pipe are filled. Care shall be exercised to prevent any deviation from the original line and grade of the pipe. The first joint must be located within 2 feet from the riser.
 4. Backfilling shall conform to "Structural Backfill".
 5. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

ALUMINIZED TYPE 2 STEEL: - All of the following criteria shall apply for aluminumized type 2 steel.
 1. Materials - All pipe and pipe joints shall meet AASHTO M-36/ASTM-760. Applicable material specification shall be AASHTO M-214/ASTM-929.
 2. Bedding - All aluminumized type 2 steel shall be laid in a pea gravel bedding for their entire length. This bedding shall be placed from a minimum 2' below the pipe up to the springline extending 2' minimum around the pipe.
 3. Backfilling shall conform to "Structural Backfill".
 4. Other details shall be as shown on the drawings.

HIGH DENSITY POLYETHYLENE PIPE: P.E.P. denotes high density polyethylene storm drain pipe. All pipe and pipe joints shall meet AASHTO M294, Type S or SP specifications. Applicable material specification shall be ASTM D 3350. Pipe shall be seamless with annular corrugations on the exterior and a smooth interior waterway.

VI. CONCRETE
 Concrete shall meet the requirements of Maryland Department of Transportation, State Highway Administration's Standard Specifications for Construction and Materials, Section 608, Mix No. 1 for concrete and Mix No. 3 for structures.

VII. REINFORCEMENT
 Reinforcing steel must be ASTM A615, grade 60. Steel angles and anchor bars must be ASTM A36. MSHA, Section 610 - Reinforcement for Concrete Structures. MSHA Section 911 - Reinforcing Steel, Wire Rope and Wire Fabric.

VIII. STONE
 Stone for the Underground Stone Reservoir shall be SRC #2, as specified in the Baltimore County "Standard Specifications and Details for Construction", adopted November 18, 1985.

IX. GABIONS AND MATRESS
 Gabion mattresses shall be Class IV P.V.C. coated, or an approved Baltimore County equivalent. Filter cloth shall be used under all gabions and shall meet requirements of Section 919.12 of Maryland Department of Transportation, State Highway Administration's "Standard Specifications for Construction and Materials".

X. CARE OF WATER DURING CONSTRUCTION
 All work on permanent structures shall be carried out in areas free from water. The Contractor shall construct and maintain all temporary dikes, levees, cofferdams, drainage channels, and stream diversions necessary to protect the areas to be occupied by the permanent works. The Contractor shall also furnish, install, operate, and maintain all necessary pumping and other equipment required for removal of water from the various parts of the work and for maintain the excavations, foundation, and other parts of the work free from water as required or directed by the engineer for constructing each part of the work. After having served their purpose, all temporary protective works shall be removed or leveled and graded to the extent required to prevent obstruction in any degree whatsoever of the flow of water to the spillway or outlet works and as not to interfere in any way with the operation or maintenance of the structure. Stream diversions shall be maintained until the full flow can be passed through the permanent works. The removal of water from the required excavation and the foundation shall be accomplished in a manner and to the extent that will maintain stability of the excavated slopes and bottom of required excavations and will allow satisfactory performance of all construction operations. During the placing and compacting of material in required excavations, the water level at the locations being refilled shall be maintained below the bottom of the excavation at such locations which may require draining the water to pumps from which the water shall be pumped.

XI. EROSION AND SEDIMENT CONTROL
 Construction operations will be carried in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction process.

GENERAL NOTES

- This Underground Storm Water Management facility is private. Maintenance and upkeep of this facility shall be the responsibility of the Owner.
- Maryland State Permit is NOT required.
- Corps of Engineers permit is NOT required.
- Unless otherwise noted, all construction and workmanship shall be accomplished in accordance with Howard County Department of Public Works Bureau of Engineering "Standard Specifications and Details for Construction", 1980, errata and addenda. State of Maryland Department of Transportation, State Highway Administration (SHA), "Standard Specifications for Construction and Materials, Dated Jan. 1982" in the event of a discrepancy between the details in Volume IV and those of the State, the Howard County Standard Details will govern unless otherwise expressly stated in those construction plans.

OPERATION AND MAINTENANCE SCHEDULE FOR UNDERGROUND STORMWATER MANAGEMENT FACILITY

- The underground stormwater management facility is privately owned and it shall be the responsibility of the owner to periodically inspect and clean the facility to maintain its operation and function.
- The underground stormwater management facility shall be inspected yearly at a minimum and after especially severe storms. When sediment accumulation of more than 2" is observed or any debris that might obstruct the outfall, the facility must be cleaned.
- Clean immediately after petroleum spills. The owner shall contact the appropriate regulatory agencies.
- The sediment debris shall be removed from the underground stormwater management facility by vacuum truck or other manual means. The owner must follow proper cleaning and disposal of the removed materials and liquid. The inlet and outlet pipes shall be checked for any obstructions at least once every six months. If obstructions are found the owner shall have them removed.

SWM DESIGN SUMMARY

	U.G. SWM FACILITY	STORMCEPTOR 1	STORMCEPTOR 2
FACILITY IDENTIFICATION:	S-1	SC-1	SC-2
FACILITY TYPE:	UNDERGROUND PIPE	"STORMCEPTOR"	"STORMCEPTOR"
DRAINAGE AREA:	2.1 AC	0.8 AC	1.2 AC
INVERT ELEVATION:	389.50	391.35	394.62
WATER SURFACE ELEVATION 2YR/10YR STORAGE VOLUME 2YR/10YR/TOP:	392.8/394.4	---	---
INFLOW 2YR/10YR:	0.028/0.043 AC-FT	1,200 GAL	1,800 GAL
REQUIRED CONTROL 2YR/10YR:	8.2/14.8 CFS	TC 395.8	TC 395.8
OUTFLOW 2YR/10YR:	7.8/14.6 CFS	NONE	NONE
MAINTENANCE RESPONSIBILITY:	PRIVATE	PRIVATE	PRIVATE

SWM D.A. MAPS & SPECIFICATIONS

KCW
 Engineering Technologies, Inc.
 3104 Timanus Lane, Suite 101
 Baltimore, MD 21244
 (410) 281-0033
 Fax (410) 281-1065
 www.KCW-ET.com



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 Tel: (410) 342-1500

OWNER:
 CARROLL'S DEVELOPMENT, LLC
 10065 Baltimore National Pike
 Ellicott City, Maryland 21042
 Attn: Ashton Menefee
 Tel: (410) 235-1066

THIS PLAN HAS BEEN REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
Clay Simmons 1/19/00
 HOWARD SOIL CONSERVATION DISTRICT

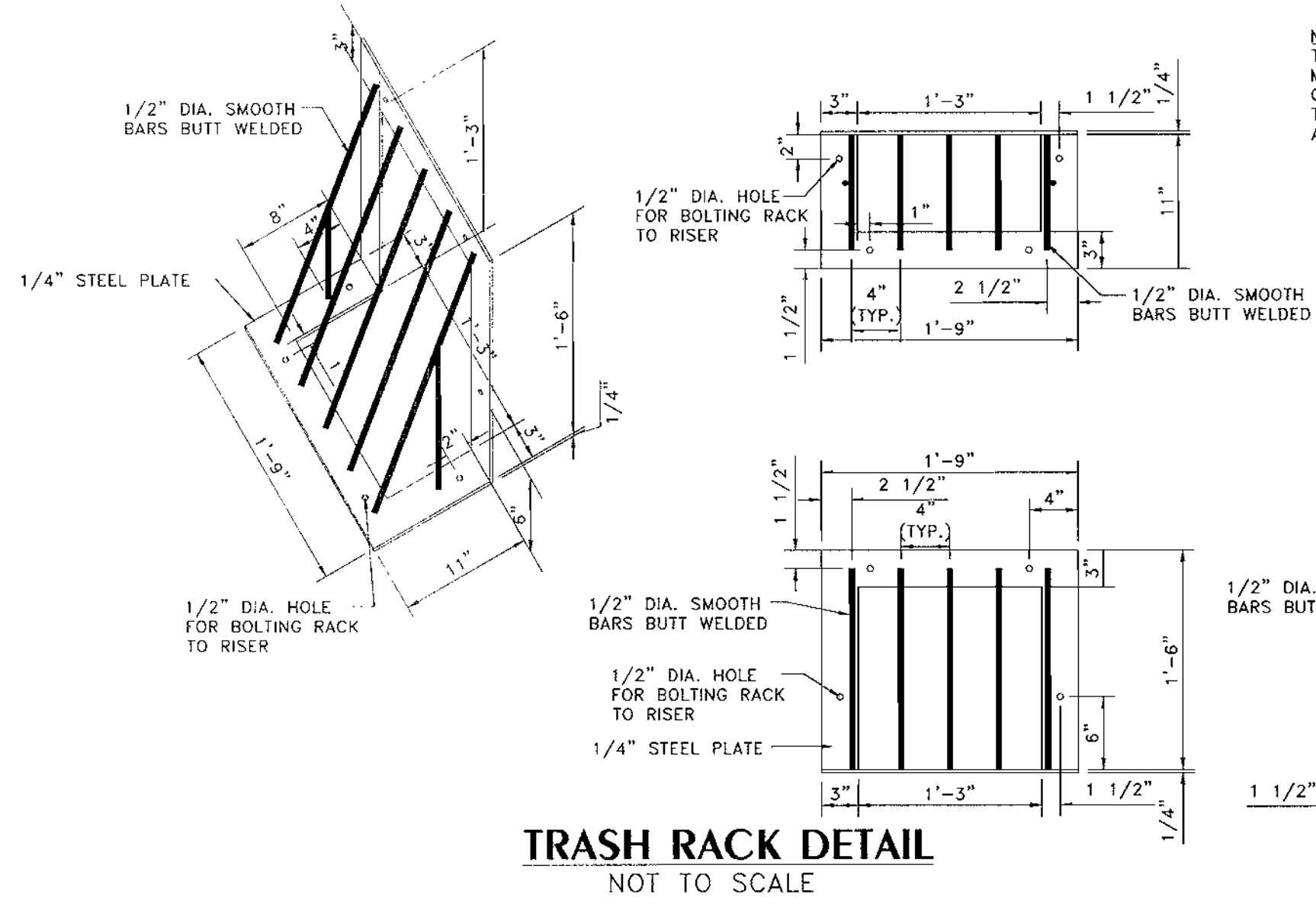
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
John H. ... 1/25/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

ADDRESS CHART
 Parcel # 67
 Street Address: 10065 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MD 21042

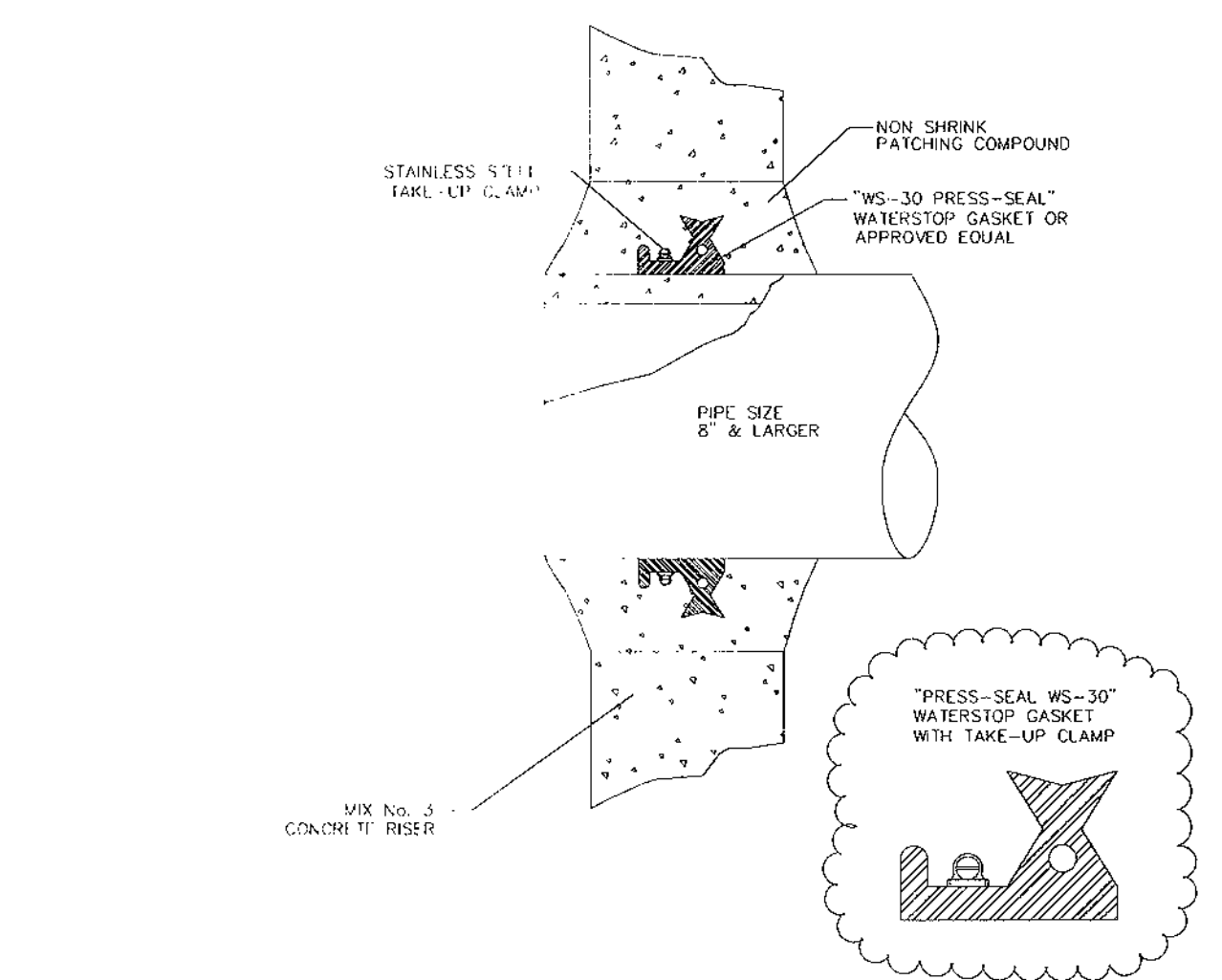
PERMIT INFORMATION CHART
 Subdivision Name: 1st MARINER BANK - ELLICOTT CITY BRANCH
 Section/Area: ELLICOTT CITY
 Parcel # 67
 U/F: 4607/152 Block # 2 Zoning: B-2 Tax Map 24 Election District 2nd Census Tract 6023.01
 Water Code: H-08 Sewer Code: 5440000

KCW J.O.: 98432
 SCALE AS SHOWN
 DESIGNED: K.C.A.
 DRAWN: K.C.A.
 CHECKED: N.S.H.
 DATE: JAN. 4, 2000
 DRAWING NO. G-5 SHEET 5 OF 10
 SDP 00-36

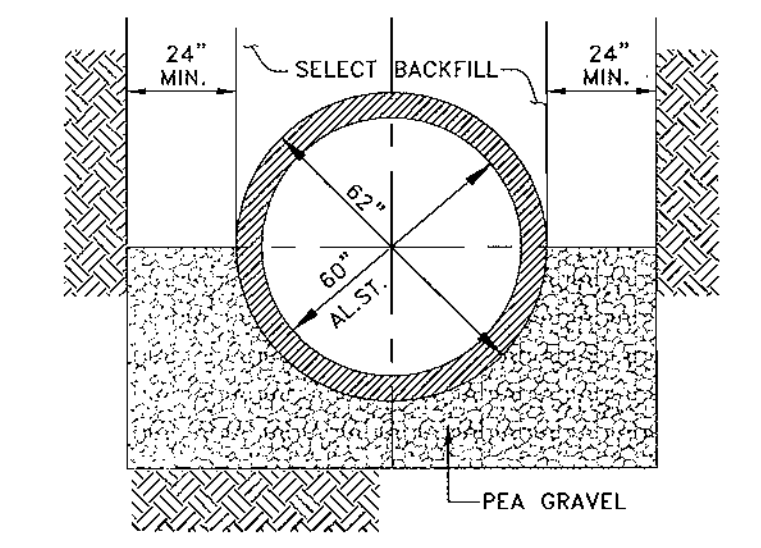
1st MARINER BANK
 ELLICOTT CITY BRANCH
 10065 BALTIMORE NATIONAL PIKE
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT - 2



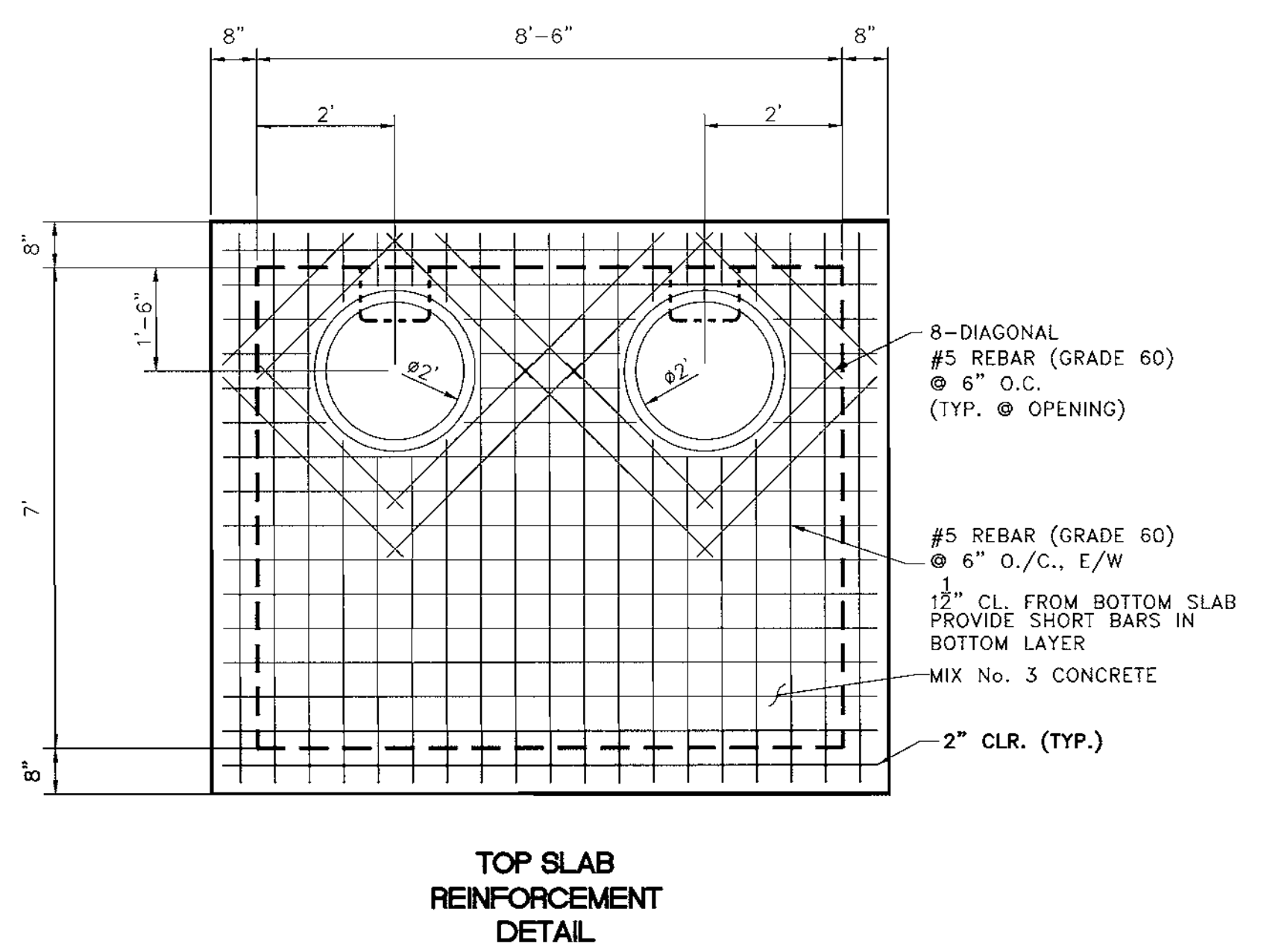
NOTE:
TRASH RACK SHALL BE REMOVABLE FOR MAINTENANCE PURPOSES. GALVANIZE AFTER FABRICATION AND PAINT WITH TWO COATS OF BATTLESHIP GRAY PAINT. ALL FASTENERS USED SHALL BE GALVANIZED



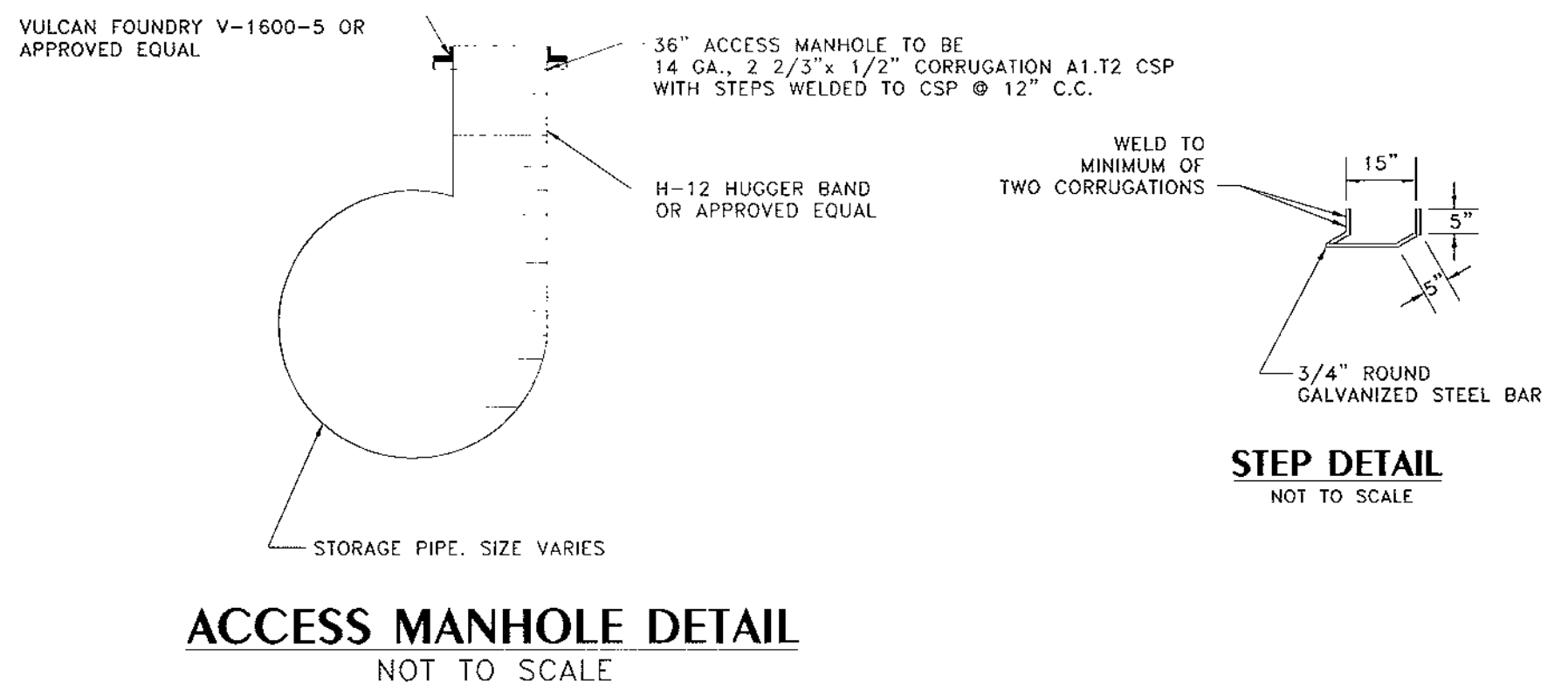
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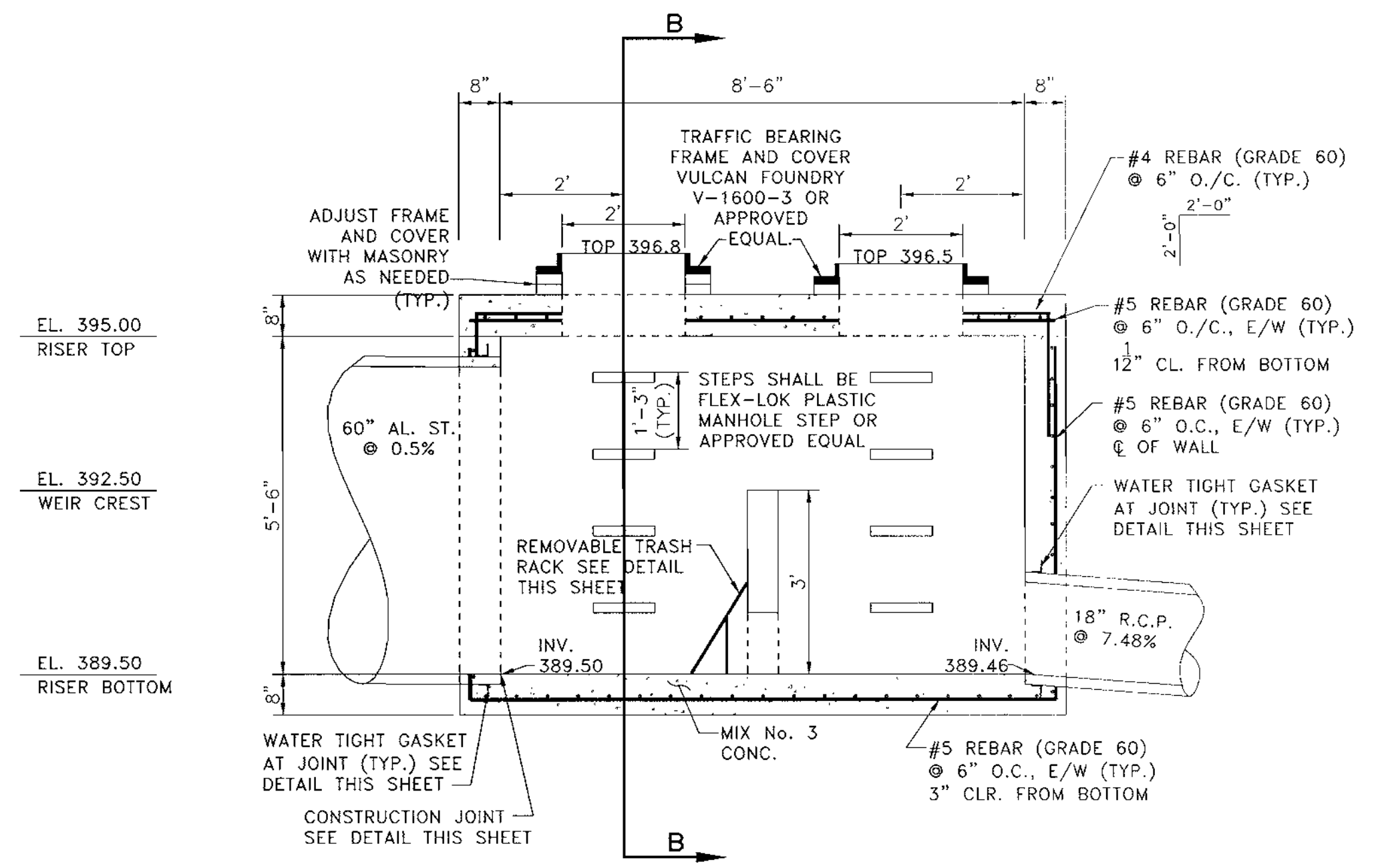
SWM PIPE BEDDING DETAIL
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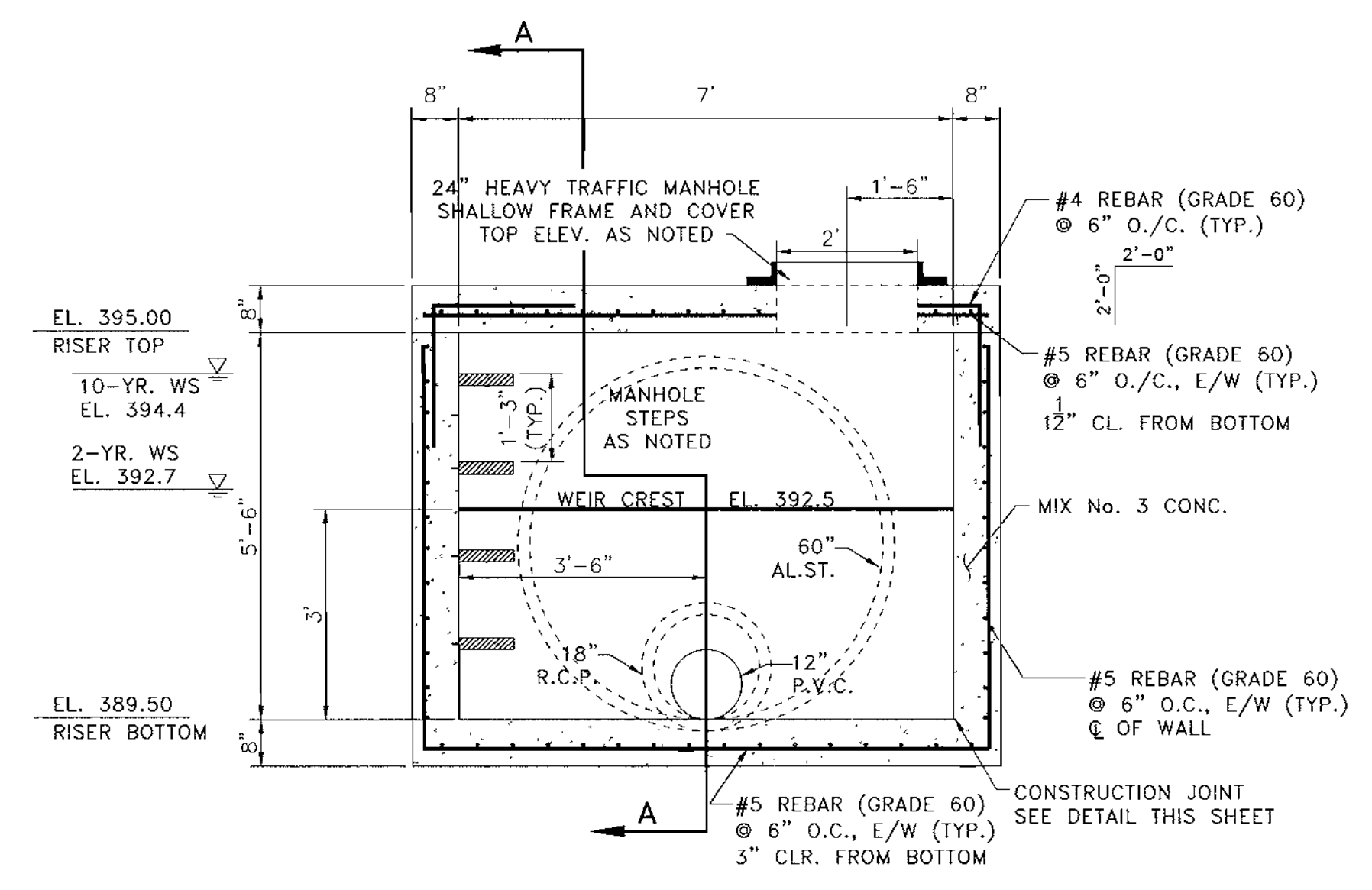
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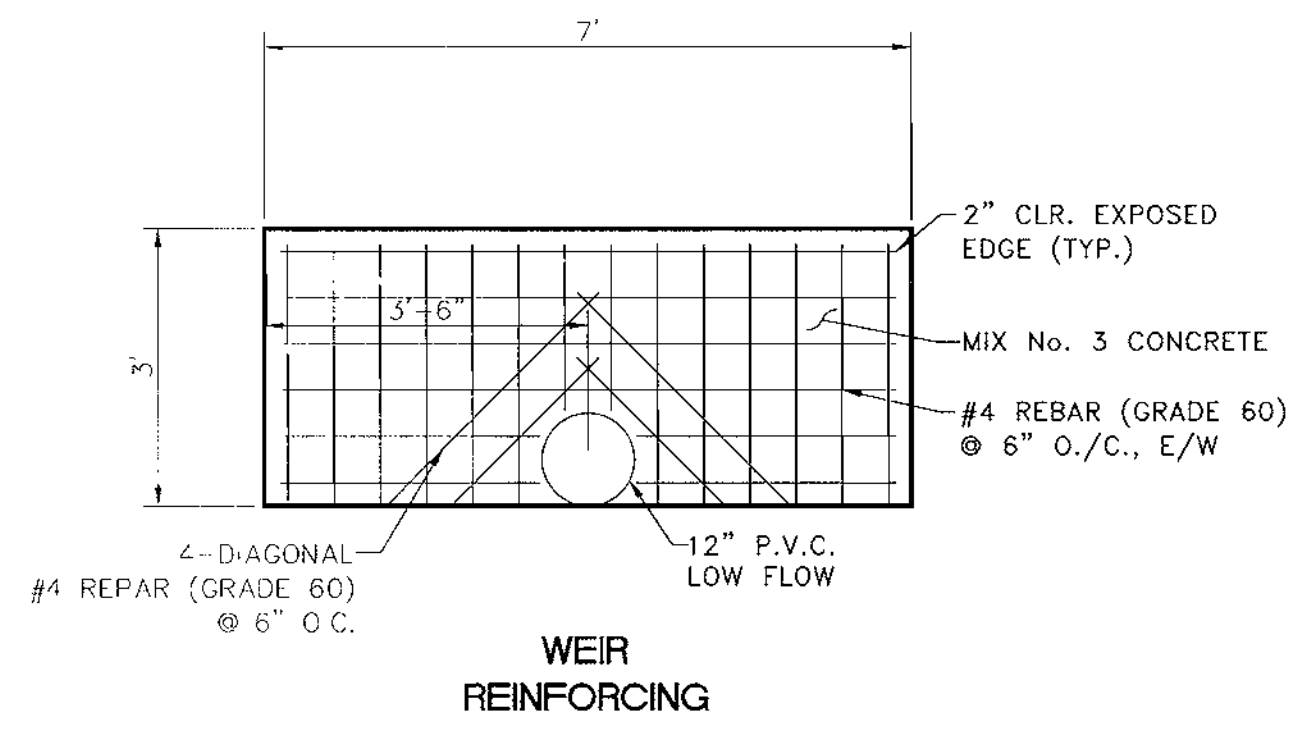
ACCESS MANHOLE DETAIL
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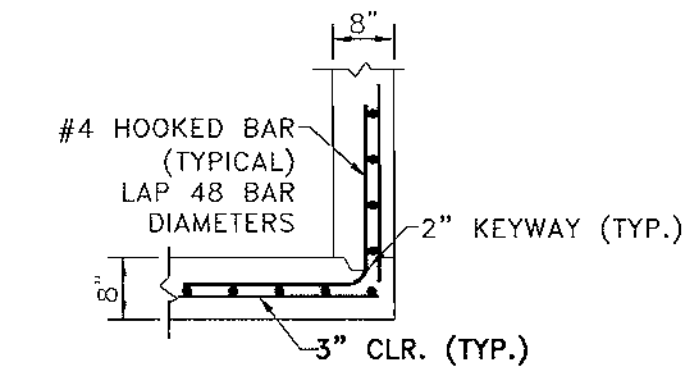
SECTION A-A



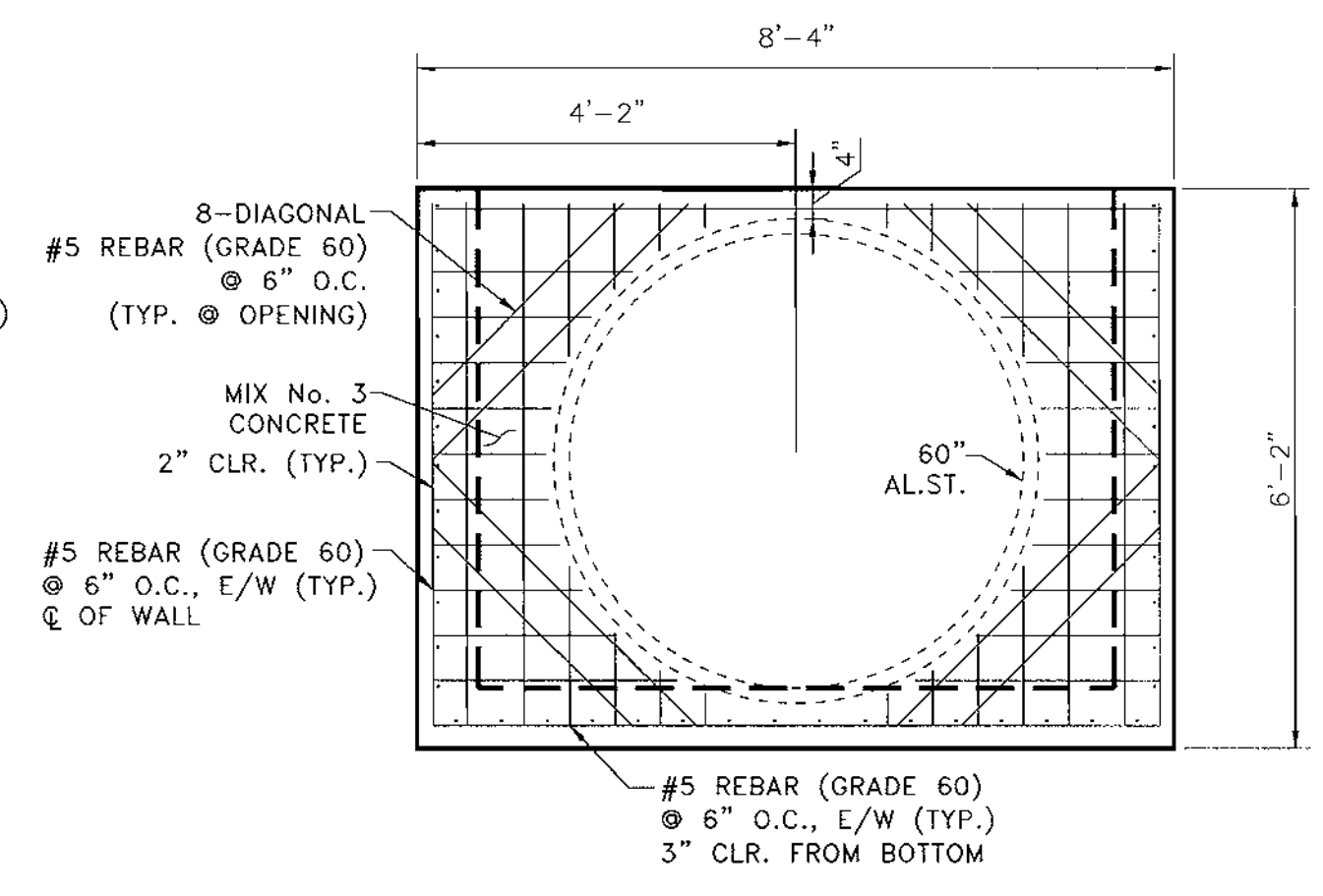
SECTION B-B



WEIR REINFORCING



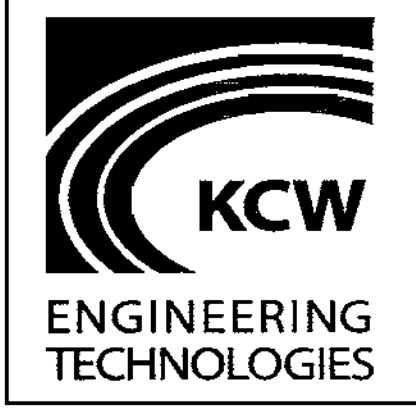
CONSTRUCTION JOINT DETAIL



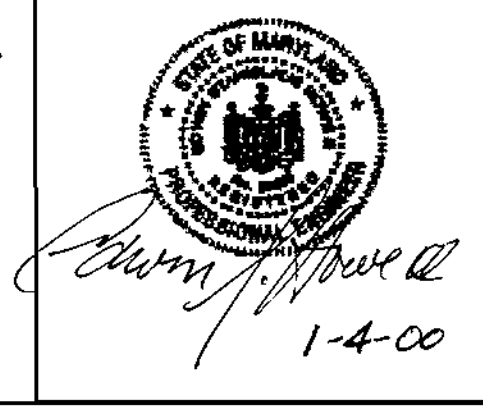
REAR WALL REINFORCEMENT DETAIL

OUTFALL STRUCTURE
NOT TO SCALE

STORM WATER MANAGEMENT DETAILS



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THIS PLAN HAS BEEN REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

DATE: 1/25/00

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

DATE: 1/25/00

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DATE: 1/25/00

DATE: 1/25/00

DATE: 1/25/00

ADDRESS CHART		PERMIT INFORMATION CHART	
Parcel # 67	Street Address 10065 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MD 21042	Subdivision Name 1st MARINER BANK - ELLICOTT CITY BRANCH	Section/Area ELLICOTT CITY
Block # 2	Zoning B-2	Parcel # 67	Parcel # 67
Lot # 4607/152	Water Code H 08	Election District 2nd	Census Tract 6023.01
		Sewer Code 5440000	

KCW J.O.: 98432
SCALE 1" = 20'
DESIGNED: K.M.W.
DRAWN: K.M.W.
CHECKED: N.S.H.
DATE: JAN. 4, 2000
DRAWING NO. G-6 SHEET 6 OF 10

1st MARINER BANK
ELLICOTT CITY BRANCH
10065 BALTIMORE NATIONAL PIKE
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT - 2

GENERAL NOTES

- SILT AND DEBRIS SHALL NOT BE ALLOWED TO ENTER THE STRUCTURES UNLESS CONTRIBUTING DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED.
- ALL OPENINGS TO STRUCTURES SHALL BE PROTECTED WITH THE APPROPRIATE SEDIMENT MEASURES DURING CONSTRUCTION.
- VARIOUS TYPES OF EQUIPMENT ARE AVAILABLE COMMERCIALY FOR THE CLEANOUT OF SYSTEMS. THE MOST COMMONLY USED EQUIPMENT AND TECHNIQUES USED FOR CLEANING SUBSURFACE SYSTEMS ARE VACUUM PUMP & WATERJET SPRAY. BOTH SYSTEMS ARE GENERALLY MOUNTED ON A SELF-CONTAINED VEHICLE AND CAN EFFECTIVELY REMOVE STONES, LEAVES, LITTER AND SEDIMENT DEPOSITS FROM SUMPS AND CHAMBERS.

WATER QUALITY MAINTENANCE NOTES

- INSPECT THE STORMCEPTOR ON A MONTHLY BASIS AND NOTE SEDIMENT AND OIL ACCUMULATIONS. MORE FREQUENT INSPECTIONS ARE APPROPRIATE WHERE OIL SPILLS OCCUR REGULARLY. STORMCEPTOR CANADA INC. CAN PROVIDE ADVICE ON SAMPLING EQUIPMENT.
- SEDIMENT SHOULD BE REMOVED ANNUALLY, OR WHENEVER THE ACCUMULATION REACHES 5% OF THE OPERATING DEPTH FROM BASE TO DRAIN INVERT. IN AREAS OF NEW CONSTRUCTION, OR WHERE VEGETATION HAS NOT YET BEEN ESTABLISHED MORE FREQUENT REMOVAL MAY BE NECESSARY.
- VACUUM TRUCKS ARE USED TO REMOVE THE SEDIMENT AND OIL FROM THE STORMCEPTOR TREATMENT CHAMBER. OIL LEVELS GREATER THAN 1 INCH SHOULD BE REMOVED IMMEDIATELY BY A LICENSED WASTEWATER MANAGEMENT FIRM, AND SIGNIFICANT SPILLS MUST BE REPORTED TO THE APPROPRIATE REGULATORY AGENCY.
- THE PIPES AND STRUCTURAL PARTS SHALL BE CLEANED AND REPAIRED AS NEEDED.
- ALL MAINTENANCE SHALL BE PERFORMED BY THE OWNER OR BY THE OWNER'S REPRESENTATIVE AT THE OWNER'S EXPENSE.
- MINIMIZE SURFACE EROSION FROM PERVIOUS SURFACES AT ALL TIMES; MAINTAIN GRASS, SOO, AND/OR MULCH COVERAGE UPON LANDSCAPINGS.
- REMOVE DEBRIS ON TOP OF INLET GRATES AFTER EVERY RAINFALL.
- AT INTERVALS NOT EXCEEDING 1 YEAR OR AS NEEDED, REMOVE ALL GREASE AND OILS, SILTS, AND AGGREGATES, AND DEBRIS FROM ALL INLETS
- THE DISPOSAL OF THE LIQUID AND SOLID MATTER SHOULD BE AS FOLLOWS:
 - ALL LIQUID MATERIAL IN THE SEPARATOR INLET SHALL BE PUMPED INTO A SUITABLE TANK TRUCK AND DISPOSED OF AT AN APPROVED SANITARY DISTRICT OR LARGE MANHOLE OR BE TAKEN TO AN APPROVED SEWAGE TREATMENT PLANT FOR DISCHARGE.
 - THE SOLID MATERIAL SHALL BE LANDFILLED IN AN APPROVED SANITARY LANDFILL.

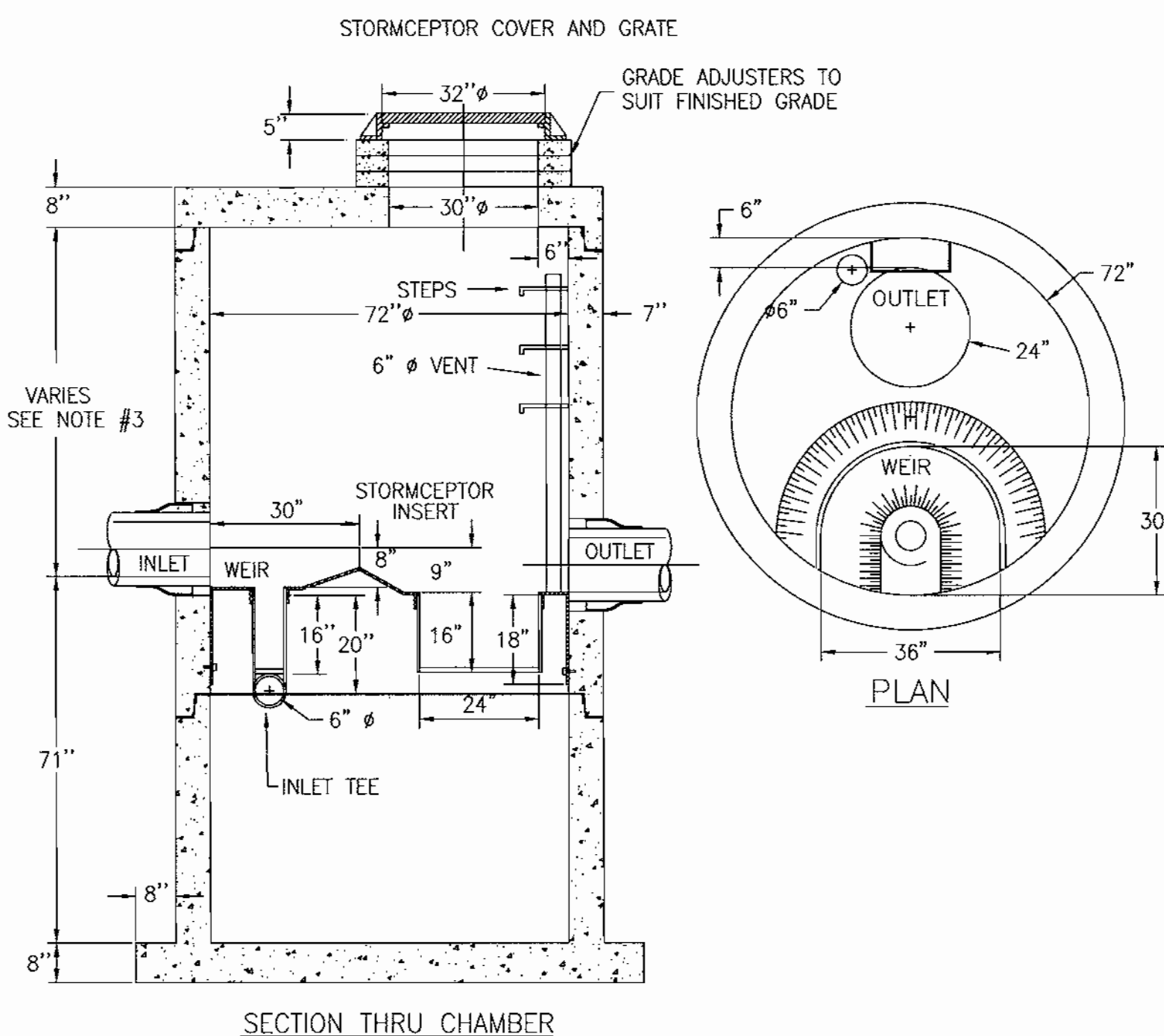
REQUIRED PROCEDURES AND INSPECTIONS FOR INGROUND WQ FACILITY

- THE FOLLOWING INSPECTIONS ARE REQUIRED DURING CONSTRUCTION. ADDITIONAL INSPECTIONS MAY BE REQUIRED AND NOTED BY THE INSPECTOR.
- PRECONSTRUCTION MEETING: AN OPPORTUNITY TO REVIEW SITE PLANS, DISCUSS THE PURPOSE OF THE FACILITY AND TO ANSWER QUESTIONS REGARDING CONSTRUCTION AND/OR INSPECTION PROCEDURES.
 - CONSTRUCTION: INSPECTION(S) WILL BE MADE DURING THE CONSTRUCTION OF THE FACILITY TO ENSURE ACCORDANCE WITH THE PLANS. SPECIFIC INSPECTION REQUIREMENTS WILL BE DETERMINED AT THE PRECONSTRUCTION MEETING.
 - FINAL INSPECTION: A FINAL CHECK WILL BE MADE TO CHECK DESIGN DIMENSIONS. IF CONSTRUCTION IS SATISFACTORY.

CONTRACTOR INSTALLATION INSTRUCTIONS PRECAST CONCRETE STORMCEPTOR

- STAKE-OUT THE LOCATION OF THE STORMCEPTOR AND EXCAVATE HOLE. EXCAVATE ADEQUATE SPACE TO CONNECT INLET AND OUTLET PIPES TO UNIT. INSTALL A 12" DEEP (OR AS REQUIRED) LAYER OF COMPACTED (95% STANDARD PROCTOR DENSITY) AGGREGATE SUBBASE AT BOTTOM OF EXCAVATION. INSTALL MULE OR SHORING, AS NEEDED.
- CHECK ELEVATION OF UNIT BY MEASURING ITS SECTIONS FROM BASE OF THE STORAGE CHAMBER (BOTTOM OF UNIT'S SLAB) TO THE INVERT OF STORMCEPTOR BYPASS CHAMBER INLET ELEVATION (FIBERGLASS INSERT). SUBTRACT THIS DISTANCE FROM DESIGN INVERT ELEVATION TO DETERMINE TOP OF SUBBASE ELEVATION. CHECK ELEVATION OF INSTALLED SUBBASE AND ADJUST NEEDED.
- SECURE INSPECTOR APPROVAL OF SUBGRADE SUBBASE.
- INSTALL STORAGE CHAMBER. INSTALL SCREW INVERTS INTO BASE OF STORAGE CHAMBER. ATTACH CABLES OR CHAINS TO ALL 3 LIFTING LUGS ON THE BASE SLAB, USING LARGE EQUIPMENT OR CRANE LIFT AND PLACE THE BASE SECTION OF THE STORAGE CHAMBER IN THE EXCAVATED HOLE ON THE SUBBASE. MAKE SURE THAT THE BASE IS PRELUBRICATED. INSTALL ADDITIONAL STORAGE CHAMBER SECTIONS, AS REQUIRED (PROCEDURE IS SAME AS STEP 8).
- INSTALL BYPASS CHAMBER OF STORMCEPTOR WITH FACTORY INSTALLED STORMCEPTOR INSERT. LIFT BYPASS SECTION AND INSTALL, WHILE CHECKING ALIGNMENT AND GRADE OF INLET AND OUTLET DRAINAGE PIPES. CHECK TO MAKE SURE THE BYPASS CHAMBER IS SET FLUSH LEVEL AND IS AT THE PROPER ELEVATION. THE BYPASS CHAMBER MUST BE ORIENTED SUCH THAT INLET PIPE DISCHARGES INTO THE V-SHAPED FIBERGLASS WEIRS (INSIDE INSERT). INSTALL RUBBER GASKET ON TOP OF BYPASS SECTION AND COAT WITH LUBRICATING GREASE, IF NOT PRELUBRICATED.
- INSTALL STORMCEPTOR DROP PIPES ACCORDING TO STC PIPE INSTALLATION PROCEDURE ON REVERSE SIDE OF THESE INSTRUCTIONS.
- INSTALL RISER SECTION. LIFT RISER SECTION AND INSTALL, WHILE CHECKING THAT SECTION IS SET FLUSH AND IS AT PROPER ELEVATION AND THAT UNIT IS LEVEL. SPECIFIC ALIGNMENT OF THIS PART IS REQUIRED IF STEP(S) ARE INCLUDED. ALIGN STEPS ABOVE INLET INSPECTION PORT. NOTE, FOR SHALLOW INSTALLATIONS THIS SECTION MAY NOT BE REQUIRED.
- INSTALL TOP CAP WITH OPENING FOR STORMCEPTOR COVER. IF OPENING IS OFFSET (NOT CENTERED) THE TOP CAP OPENING SHOULD BE ORIENTED ABOVE THE STORMCEPTOR INLET INSPECTION PORT (PLUG).
- BACKFILL STORMCEPTOR WITH APPROVED BACKFILL MATERIAL (NO ORGANIC OR TOPSOIL IS TO BE USED FOR BACKFILL). BACKFILL AND COMPACT IN 8 INCH LIFTS. BACKFILL SHOULD BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
- INSTALL AND SET GRAD ADJUSTING RINGS, AS NEEDED.
- INSTALL AND SET STORMCEPTOR FRAME AND COVER.
- INSTALL INLET AND OUTLET STORM DRAIN PIPES. CONNECT INLET AND OUTLET SOTRM DRAIN PIPES WITH FLEXIBLE BOOTS (WHEN PROVIDED) AND WITH NON SHRINK GROUT WHEN NO FLEXIBLE BOOTS ARE PROVIDED. THE INVERT OF THE INLET AND OUTLET PIPE IS TO MATCH WITH THE INVERT OF THE STORMCEPTOR INSERT. FLEXIBLE BOOT INSTALLATION PROCEDURES: CENTER THE PIPE IN THE BOOT OPENING. LUBRICATE THE OUTSIDE OF THE PIPE AND/OR THE INSIDE OF THE BOOT IF THE PIPE OUTSIDE DIAMETER IS THE SAME AS THE INSIDE DIAMETER OF THE BOOT. POSITION THE PIPE CLAMP IN THE GROOVE OF THE BOOT WITH THE SCREW AT THE TOP. TIGHTEN THE PIPE CLAMP SCREW TO 60 INCH POUNDS. IF THE PIPE IS MUCH SMALLER THAN THE BOOT LIFT THE BOOT SUCH THAT IT CONTACTS THE BOTTOM OF THE PIPE WHILE TIGHTENING THE CLAMP TO ENSURE EVEN CONTRACTION OF THE RUBBER. MOVE THE PIPE HORIZONTALLY AND/OR VERTICALLY TO BRING IT TO GRADE.
- THE STORMCEPTOR SHOULD BE PUMPED OUT WHEN THE SEDIMENT CONTROL MEASURES ARE REMOVED (SITE PERMANENTLY STABILIZED).
- FINAL INSPECTION

STORMCEPTOR SC-1
STC 1200 Precast Concrete Stormceptor®
(1200 US Gallon Capacity)
(Disc Design)



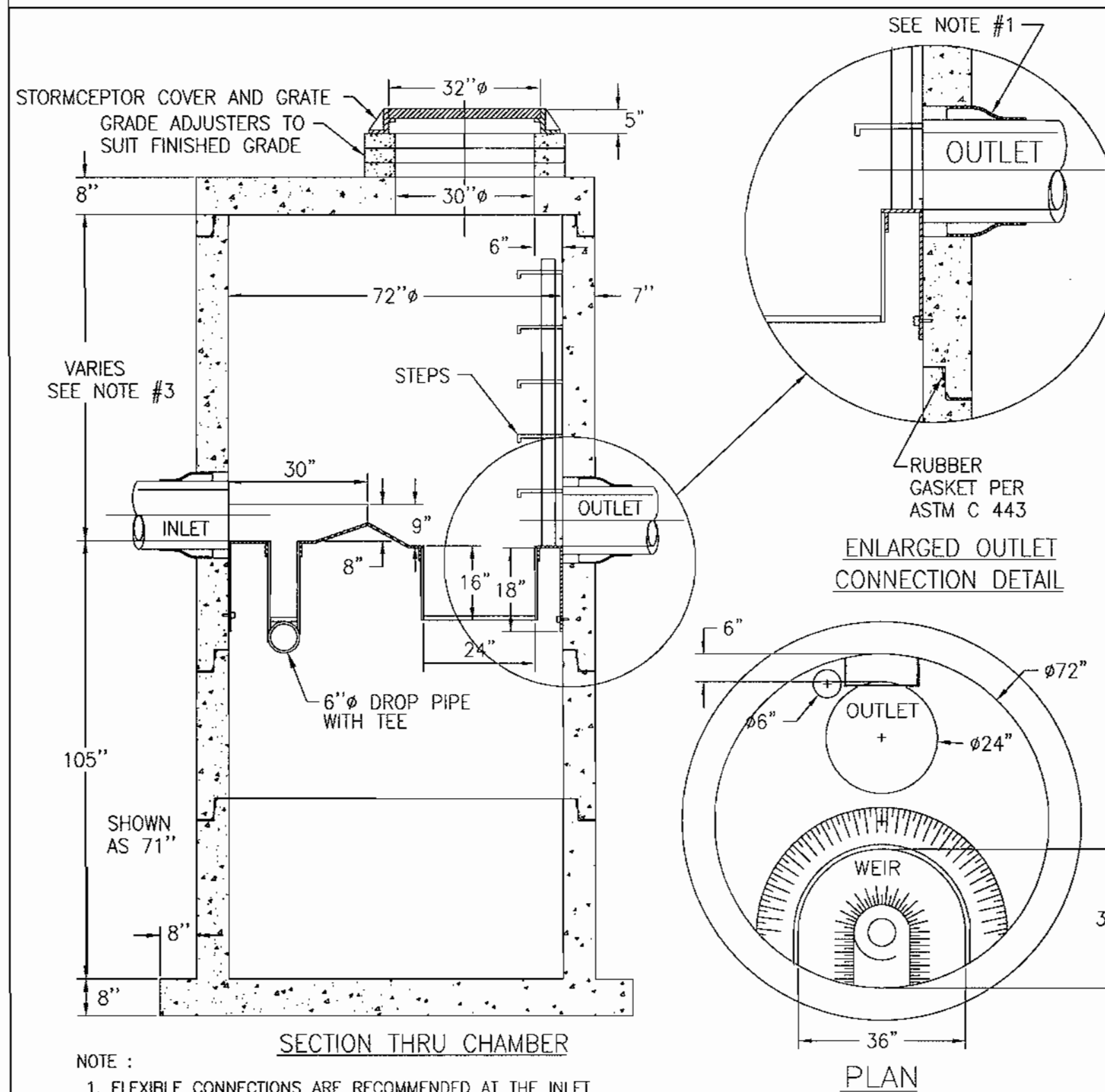
NOTE :

- FLEXIBLE CONNECTIONS ARE RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
- COVER TO BE POSITIONED OVER OUTLET AND VENT PIPE
- THIS IS A GENERAL ARRANGEMENT DRAWING. CONSULT LOCAL REPRESENTATIVE FOR SPECIAL CONDITIONS.
- INLET DROP PIPE WILL BE EITHER 6" OR 12" WITH A 6" ORIFICE PLATE
- ALL CONCRETE JOINTS HAVE RUBBER GASKETS THAT CONFORM TO ASTM C 443
- U.S. PATENT NO. 4,985,148

DESIGN SPECIFICATIONS

- ASTM C 478
 - BASE WEIGHT = 7.60 TONS
- STC-1200
65
REVISED 10/96

STORMCEPTOR SC-2
STC 1800 Precast Concrete Stormceptor®
(1800 US Gallon Capacity)
(Disc Design)



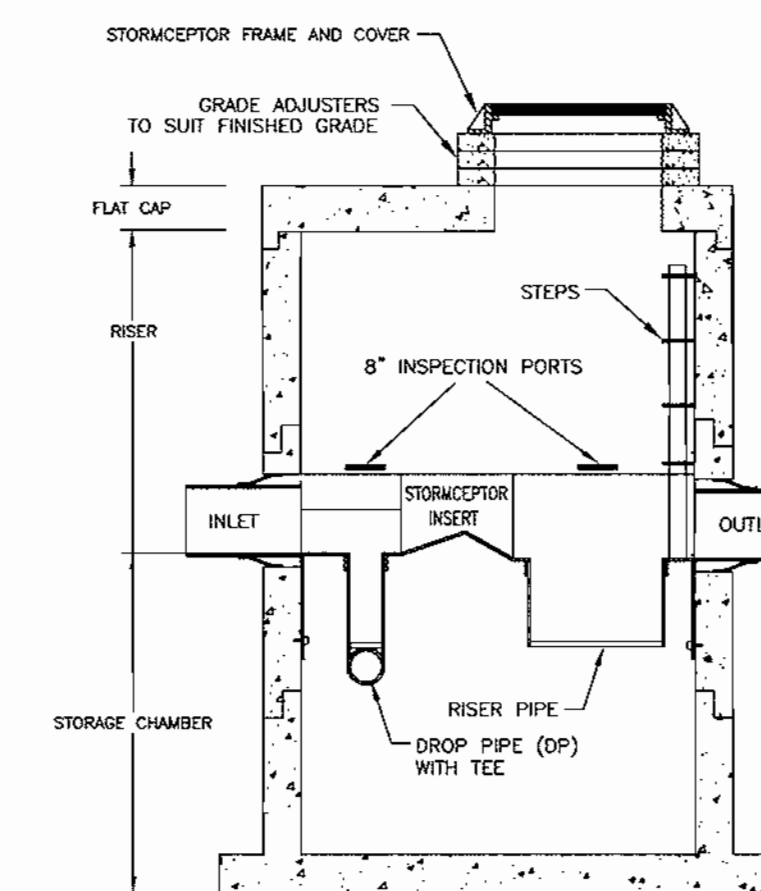
NOTE :

- FLEXIBLE CONNECTIONS ARE RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
- COVER TO BE POSITIONED OVER OUTLET AND VENT PIPE
- THIS IS A GENERAL ARRANGEMENT DRAWING. CONSULT LOCAL REPRESENTATIVE FOR SPECIAL CONDITIONS.
- INLET DROP PIPE WILL BE EITHER 6" OR 12" WITH A 6" ORIFICE PLATE
- ALL CONCRETE JOINTS HAVE RUBBER GASKETS THAT CONFORM TO ASTM C 443
- U.S. PATENT NO. 4,985,148

DESIGN SPECIFICATIONS

- ASTM C 478
 - BASE WEIGHT = 6.35 TONS
- STC-1800
65
REVISED 10/96

Stormceptor® Specifications
STC PIPE INSTALLATION PROCEDURE



NOTE : VARIABLE BASE SLAB WIDTH DEPENDENT ON BASE SLAB THICKNESS

ENLARGED OUTLET DETAIL

- Drop pipes MUST NOT be attached to Stormceptor nipples until the BY-PASS CHAMBER section has been connected to the installed STORAGE CHAMBER.
- Install the drop pipe while inside the STORAGE CHAMBER. Enter the STORAGE CHAMBER via a ladder placed down the vertical riser placed down the Stormceptor access hole.
- The drop pipe with the T-section must be connected to the INLET nipple using the supplied PVC cement. Make certain that the orientation of the TEE is correct.
- The riser pipe MUST be connected to the OUTLET nipple using the supplied PVC cement.

WATER QUALITY COMPUTATIONS

DRAINAGE AREA TO STORMCEPTOR = 0.81 ACRES
PROPOSED STORMCEPTOR INLET PIPE = 15" P.E.P.
PROPOSED STORMCEPTOR OUTLET PIPE = 15" P.E.P.
THE FIRST 1/2" OF RUNOFF FROM ALL IMPERVIOUS AREA WILL BE TREATED THROUGH THE STORMCEPTOR
IMPERVIOUS AREA TO STORMCEPTOR = 0.72 ACRES
Q₁₀ = Q_{UNT} x AREA (MILES) x Q (INCHES)
Q₁₀ = 1010 x (0.72/640) x 0.5
Q₁₀ = 0.6 cfs
Q₂₄ = 269 gpm

STORMCEPTOR MODEL STC-1200

MODEL	MAXIMUM TREATED FLOWRATE (gpm)	TOTAL CAPACITY (GALLONS)	OIL HOLDING CAPACITY (GALLONS)	SEDIMENT HOLDING CAPACITY (CU. FT)	DEPTH (FT)	TANK BODY (FT)
STC-1200	285	1230	280	110	6.6	6

DRAINAGE AREA TO STORMCEPTOR = 1.21 ACRES
PROPOSED STORMCEPTOR INLET PIPE = 15" P.E.P.
PROPOSED STORMCEPTOR OUTLET PIPE = 15" P.E.P.
THE FIRST 1/2" OF RUNOFF FROM ALL IMPERVIOUS AREA WILL BE TREATED THROUGH THE STORMCEPTOR
IMPERVIOUS AREA TO STORMCEPTOR = 1.08 ACRES
Q₁₀ = Q_{UNT} x AREA (MILES) x Q (INCHES)
Q₁₀ = 1010 x (1.08/640) x 0.5
Q₁₀ = 0.9 cfs
Q₂₄ = 404 gpm

STORMCEPTOR MODEL STC-1800

MODEL	MAXIMUM TREATED FLOWRATE (gpm)	TOTAL CAPACITY (GALLONS)	OIL HOLDING CAPACITY (GALLONS)	SEDIMENT HOLDING CAPACITY (CU. FT)	DEPTH (FT)	TANK BODY (FT)
STC-1800	285	1830	280	195	9.4	6

Concrete Stormceptor Order Request Form* SC-1

Official Use Only

Order # _____
Date _____
Internal Sale _____

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

Owner Information
Name 1st Mariner Bank (Ken Jones)
Phone (410) 342-1500
Fax (410) 563-1594

Stormceptor Model Insert Size Data
Manhole/Structure Number SC-1

900	3600	22"	Top Elevation (ft)	397.3	
1200	X	4800	32"	Inlet Pipe Invert (ft)	391.43
1800	X	6000	44"	Outlet Pipe Invert (ft)	391.18
2400		7200	Disc	Pipe Type <u>Aluminized Steel Type 2</u>	

Custom Pipe Inside Diameter (in) [ID] 15"
Impervious Drainage Area (ac) 0.72 Pipe Outside Diameter (in) [OD] 18"

Project Name 1st Mariner Bank Ellicott City Branch
Approximate time frame until required delivery (weeks) _____
Exact Delivery Address: Street 10065 Baltimore National Pike
City Ellicott City State MD Zip Code 21042

Designer Company KCW Engineering Technologies, Inc.
Designer Contact Edwin (Ned) Howe Phone (410)281-0033 Fax (410)281-1065

Please fax this sheet to Stormceptor Corporation at (301) 762-4190
For Technical Information Please Call Stormceptor Corporation at (301) 762-8361 or Toll Free at 1-800-762-4703

*Form to be included on plan by Designer 4/22/96

Concrete Stormceptor Order Request Form* SC-2

Official Use Only

Order # _____
Date _____
Internal Sale _____

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

Owner Information
Name CJFCO (Ashton Menefee)
Phone (410) 235-1066
Fax (410) 235-8720

Stormceptor Model Insert Size Data
Manhole/Structure Number SC-2

900	3600	22"	Top Elevation (ft)	401.5	
1200	X	4800	32"	Inlet Pipe Invert (ft)	394.70
1800	X	6000	44"	Outlet Pipe Invert (ft)	394.62
2400		7200	Disc	Pipe Type <u>Aluminized Steel Type 2</u>	

Custom Pipe Inside Diameter (in) [ID] 15"
Impervious Drainage Area (ac) 1.08 Pipe Outside Diameter (in) [OD] 18"

Project Name 1st Mariner Bank Ellicott City Branch
Approximate time frame until required delivery (weeks) _____
Exact Delivery Address: Street 10065 Baltimore National Pike
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*Form to be included on plan by Designer 4/22/96

BY THE ENGINEER:

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

Edwin Howe
SIGNATURE DATE 1-4-00

BY THE DEVELOPER:

I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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.

Kenneth Jones
SIGNATURE DATE 1/4/00

KCW Engineering Technologies, Inc.
3104 Timanus Lane, Suite 101
Baltimore, MD 21244
(410) 281-0033
Fax (410) 281-1065
www.KCW-ET.com

DEVELOPER:
1st MARINER BANK
1801 South Clinton Street
Baltimore, Maryland 21224
Attn: Kenneth C. Jones
Tele: (410) 342-1500

OWNER:
CARROLL'S DEVELOPMENT, LLC
10065 Baltimore National Pike
Ellicott City, Maryland 21042
Attn: Ashton Menefee
Tele: (410) 235-1066

THIS PLAN HAS BEEN REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Cheryl Sumner
DATE 1/14/00

John Blanton
DATE 1/14/00

HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Edwin Howe
DATE 1/25/00

Edwin Howe
DATE 1/25/00

CHIEF, DEVELOPMENT ENGINEERING DIVISION

ADDRESS CHART
Parcel # 67
Street Address 10065 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MD 21042

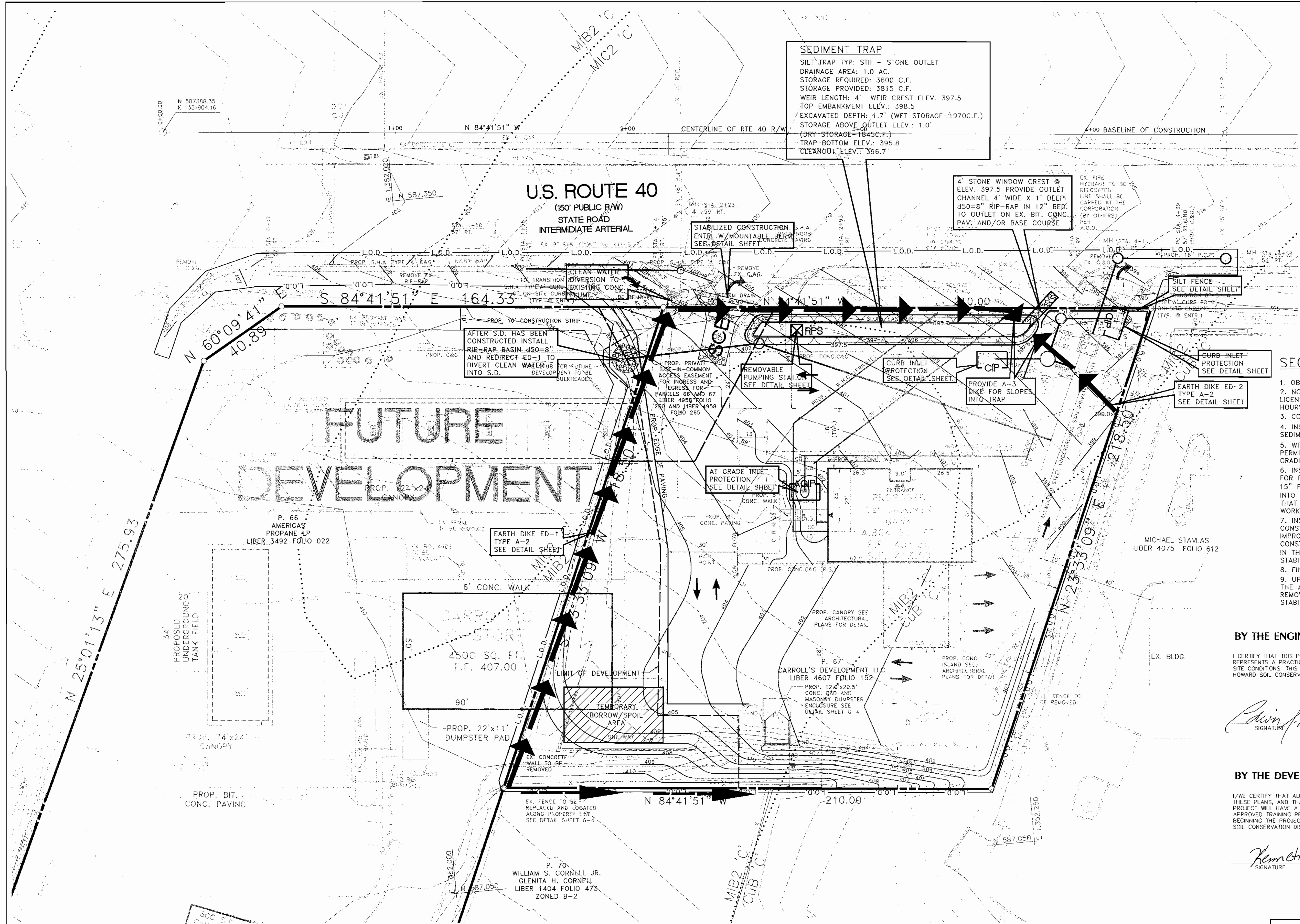
PERMIT INFORMATION CHART
Subdivision Name 1st MARINER BANK - ELLICOTT CITY BRANCH
Section/Area ELLICOTT CITY
Parcel # 67
L/PT 4607/152
Block # 2
Zoning B-2
Tax Map 24
Section District 2nd
Census Tract 6023.01
Water Code: H-08
Sewer Code: 5440000

KCW J.O.: 98432
SCALE 1" = 20'
DESIGNED: K.M.W.
DRAWN: K.M.W.
CHECKED: N.S.H.
DATE: JAN. 4, 2000
DRAWING NO. G-7 SHEET 7 OF 10
SDP 00-36

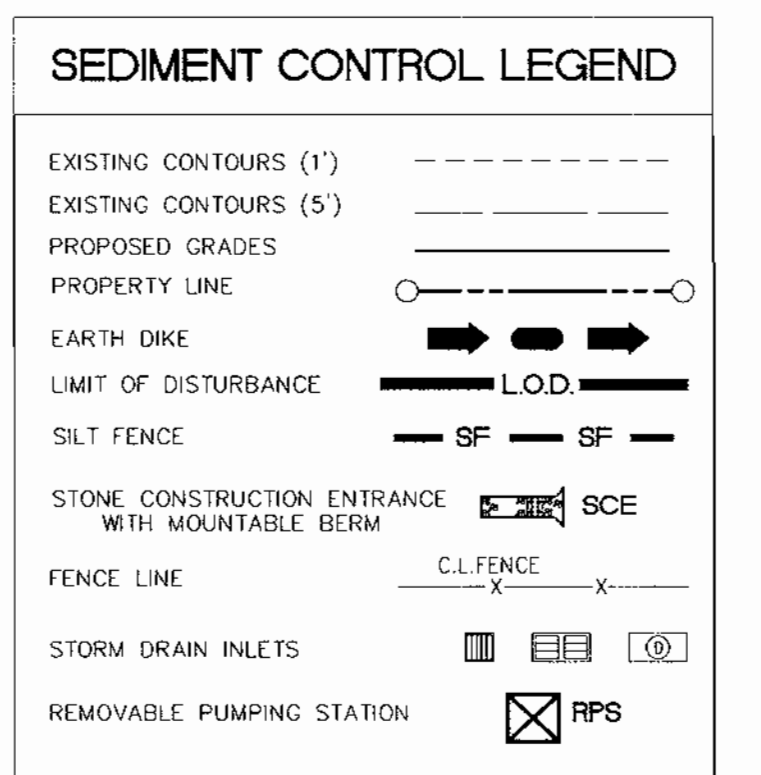
STORMCEPTOR DETAILS

1st MARINER BANK
ELLICOTT CITY BRANCH

10065 BALTIMORE NATIONAL PIKE
HOWARD COUNTY, MARYLAND ELECTION DISTRICT - 2



NOTE:
 ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISION THERE TO.



- SEQUENCE OF CONSTRUCTION**
- OBTAIN GRADING PERMIT
 - NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AT 410-313-1880 AT LEAST 24 HOURS PRIOR TO COMMENCING ANY WORK
 - CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE
 - INSTALL EARTH DIKES (ED-1 & ED-2), SILT FENCE AND SEDIMENT TRAP #1
 - WITH SEDIMENT CONTROL DEVICES IN PLACE AND WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, BEGIN GRADING SITE.
 - INSTALL STORM DRAIN SYSTEM AND SWM FACILITY, EXCEPT FOR RUN FROM I-4 TO MH-4. CONSTRUCT RIP-RAP BASIN AT 15" PIPE STUB AND REDIRECT ED-1 TO DIVERT CLEAN WATER INTO STORM DRAIN. WHILE IN THE RTE 40 R/W DISTURB ONLY THAT WHICH CAN BE STABILIZED AT THE END OF EACH WORKING DAY.
 - INSTALL REMAINING UTILITIES, ON-SITE CURB AND GUTTER, CONSTRUCT BUILDING, WALKS, AND REMAINING SITE IMPROVEMENTS. INSTALL STORM DRAIN I-4 TO MH-4 AND CONSTRUCT SHA ROAD AND ENTRANCE IMPROVEMENTS. WHILE IN THE RTE 40 R/W DISTURB ONLY THAT WHICH CAN BE STABILIZED AT THE END OF EACH WORKING DAY.
 - FINE GRADE AND PAVE THE SITE.
 - UPON STABILIZATION OF ALL DISTURBED AREAS AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND VEGETATIVELY STABILIZE THE AREA DISTURB BY THIS PROCESS.

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

Calvin J. Howe 1-4-00
 SIGNATURE DATE

BY THE DEVELOPER:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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.

Kenneth C. Jones 1/4/00
 SIGNATURE DATE

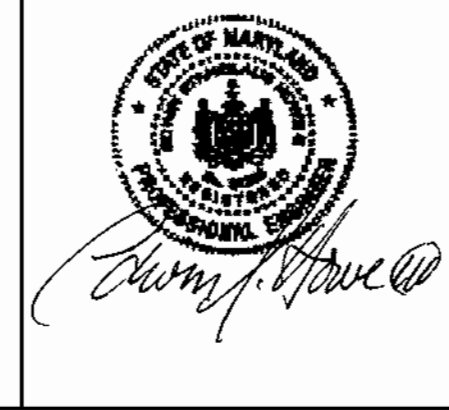
TOTAL DISTURBED AREA = 54,350 SF OR 125 Ac.

SEDIMENT CONTROL PLAN

1st MARINER BANK
 ELLICOTT CITY BRANCH

10065 BALTIMORE NATIONAL PIKE
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT - 2

KCW Engineering Technologies, Inc.
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 Baltimore, MD 21244
 (410) 281-0033
 Fax (410) 281-1065
 www.KCW-ET.com



DEVELOPER:
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 1801 South Clinton Street
 Baltimore, Maryland 21224
 Attn: Kenneth C. Jones
 Tele: (410) 342-1500

OWNER:
 CARROLL'S DEVELOPMENT, LLC
 10065 Baltimore National Pike
 Ellicott City, Maryland 21042
 Attn: Ashton Menefee
 Tele: (410) 235-1066

THIS PLAN HAS BEEN REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Chad Simmons 1/17/00
John DeWitt 1/17/00

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Jeffrey A. ... 1/25/00
... 1/25/00
... 1/17/00

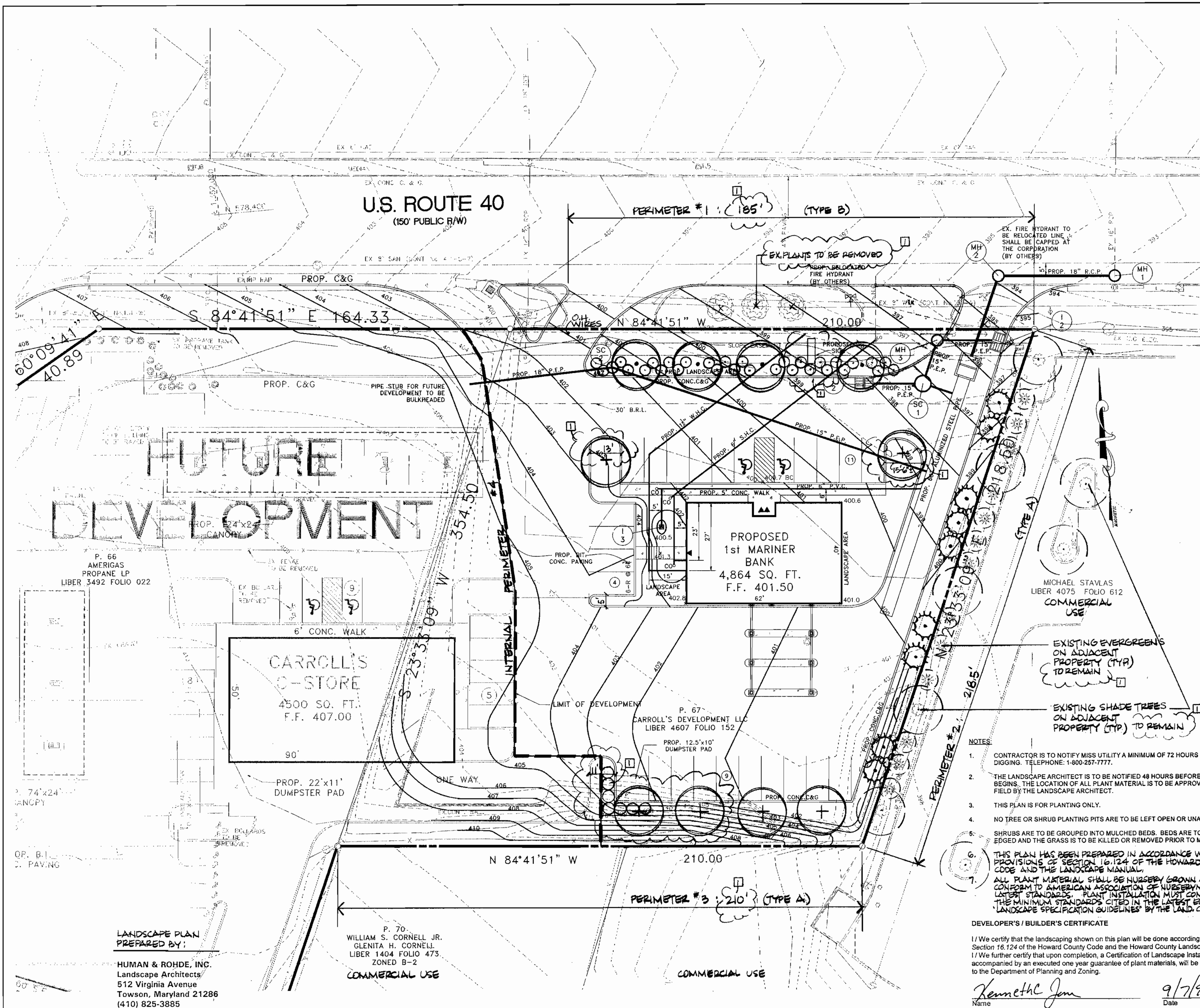
ADDRESS CHART

Parcel # 67
 Street Address: 10065 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MD 21042

PERMIT INFORMATION CHART

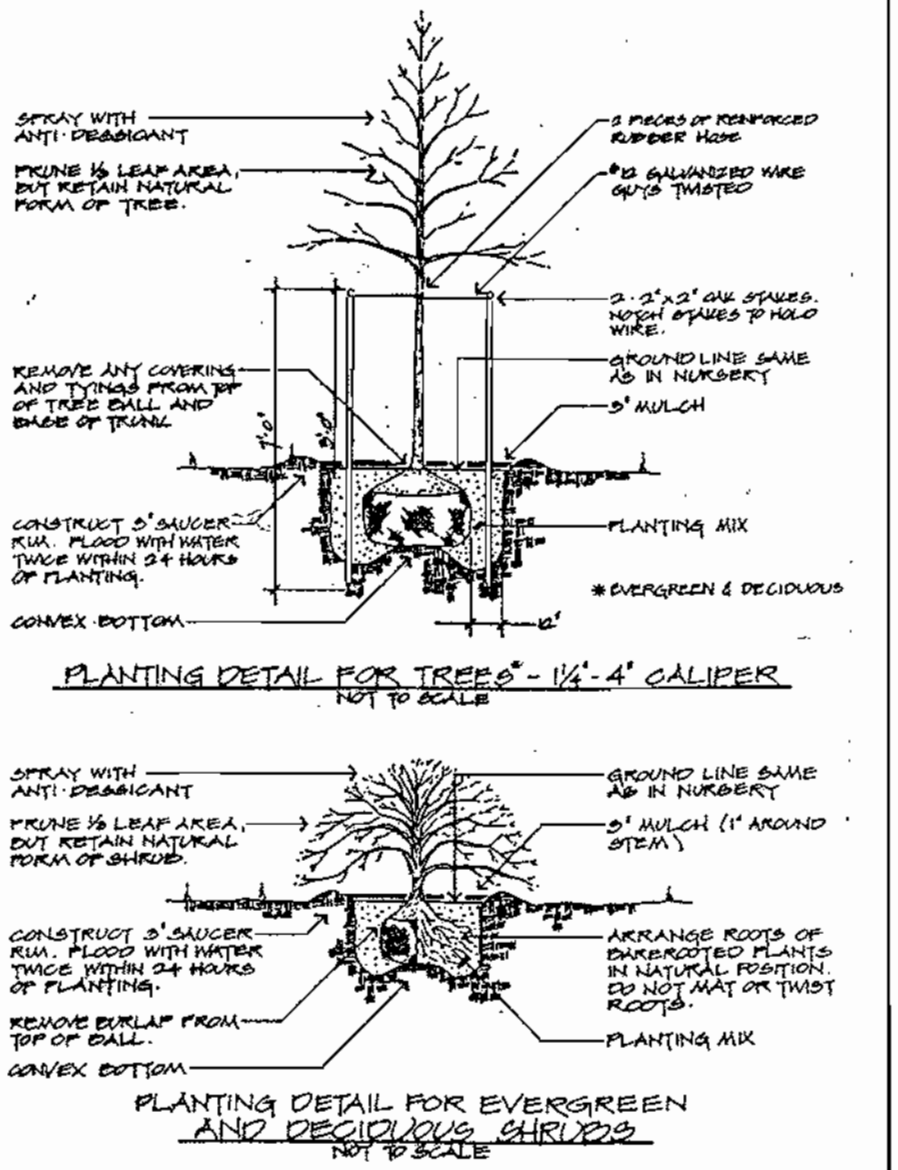
Subdivision Name: 1st MARINER BANK	Block # 2	Section/Arso: ELLICOTT CITY	Parcel # 67
Water Code: H-08	Yoning: B-2	Tax Map: 24	Election District: 2nd
		Census Tract: 6023.01	
		Sewer Code: 5440000	

KCW J.O.: 98432
 SCALE 1" = 20'
 DESIGNED: K.C.A.
 DRAWN: K.C.A.
 CHECKED: N.S.H.
 DATE: JAN 4, 2000
 DRAWING NO. G-8
 SHEET 8 OF 10
 SDP 00-36



NOTE:
 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.

NOTE:
 FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DEVELOPER'S AGREEMENT IN THE AMOUNT OF:
 (1) SHADE TREES @ \$300 = \$3,900
 (5) EVERGREENS @ \$150 = \$750
 (7) SHRUBS @ \$70 = \$490
TOTAL: \$5,140
 (FIVE THOUSAND AND TEN DOLLARS)
 * AN ADDITIONAL \$150 IS INCLUDED AT THIS TIME SO THAT SURETY WILL AGREE WITH THE EXECUTED DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$5,300



SCHEDULE A - PERIMETER LANDSCAPE EDGE

PERIMETER NO.	THINGS REQ'D.	EDGE TYPE
1	NON-RES. TO ROAD: 185' 1 SHADE TREE / 60 LF = 3 1 EVERGREEN TREE / 40 LF = 5	B
2	NON-RES. TO NON-RES.: 218.6' 1 SHADE TREE / 60 LF = 4	A
3	NON-RES. TO NON-RES.: 210' 1 SHADE TREE / 60 LF = 4	A
4	INTERNAL PERIMETER (NOT REQUIRED)	

TOTAL PLANTING OBLIGATION:
 SHADE TREES: 12
 EVERGREEN TREES: 5

(NOTE: NO CREDIT FOR EXISTING VEGETATION OR WALL, FENCE OR BERM)

NUMBER OF PLANTS PROVIDED FOR PERIMETER:
 SHADE TREES: 9
 EVERGREEN TREES: 9
 OTHER TREES (2:1 SUB): 0
 SHRUBS (10:1 SUB): 30
 SHRUBS TO SCREEN DUMPSTER: 3

COMMENTS:
 30 SHRUBS SUBSTITUTED FOR 3 EVERGREENS = 3
 1 SHADE TREE SUBSTITUTED FOR 2 EVERGREENS = 2 (RELOCATED TO INTERIOR - SEE NOTE BELOW)
 1 EVERGREEN TREE MOVED TO PERIMETER NO. 2 = 1 (SEE NOTE BELOW)
TOTAL: 6

8 EVERGREEN TREES SUBSTITUTED FOR 4 SHADE TREES @ 2:1 TO COMPLY WITH EXISTING EVERGREENS ON ADJACENT PROPERTY
 (NOTE: THESE TREES IN Δ HAVE BEEN RELOCATED TO OTHER AREAS TO MAINTAIN VISIBILITY OF THE PROPOSED SIGN.)

PLANT LIST

KEY	QUAN.	BOTANICAL NAME COMMON NAME	SIZE	COND.	REMARKS
+	6	QUERCUS ACUTISSIMA SAWTOOTH OAK	2 1/2" - 3" CAL.	B&B	FULL
○	4	TILIA AMERICANA REDMOND REDMOND AMERICAN LINDEN	2 1/2" - 3" CAL.	B&B	FULL SPACED 25' OC.
⊙	9	PINUS STROBUS WHITE PINE	6'-8" HT.	B&B	FULL
○	1	EVONYMUS KLAUSCHOVICUS 'SIEBOLDIANA' SIEBOLD EVONYMUS	2 1/2" - 3" HT.	B&B	FULL SPACED 5' OC.
○	30	VIBURNUM PLIC. TOM. 'SUMMER SNOWFLAKE' SUMMER SNOWFLAKE VIBURNUM	2 1/2" - 3" HT.	B&B	FULL SPACED 4' OC / STAGGER

SCHEDULE B - PARKING LOT INTERNAL LANDSCAPING

NO. OF PARKING SPACES: 24
 INTERNAL ISLANDS REQUIRED: 1 / 20 SPACES = 1
 INTERNAL ISLANDS PROVIDED: (EQUIVALENT) @ 60 SF ÷ 200 SF / ISLAND = 3
 NO. SHADE TREES REQUIRED: 1 / 20 SPACES = 1
 NO. SHADE TREES PROVIDED: 1

REV. 10-29-99 PER COUNTY COMMENTS

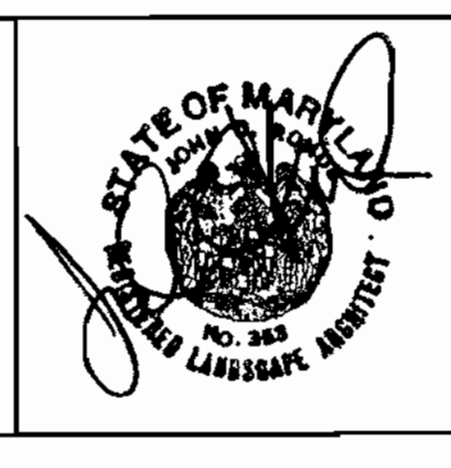
- NOTES:**
- CONTRACTOR IS TO NOTIFY MISS UTILITY A MINIMUM OF 72 HOURS PRIOR TO DIGGING. TELEPHONE: 1-800-257-7777.
 - THE LANDSCAPE ARCHITECT IS TO BE NOTIFIED 48 HOURS BEFORE PLANTING BEGINS. THE LOCATION OF ALL PLANT MATERIAL IS TO BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
 - THIS PLAN IS FOR PLANTING ONLY.
 - NO TREE OR SHRUB PLANTING PITS ARE TO BE LEFT OPEN OR UNATTENDED.
 - SHRUBS ARE TO BE GROUPED INTO MULCHED BEDS. BEDS ARE TO BE EDGED AND THE GRASS IS TO BE KILLED OR REMOVED PRIOR TO MULCHING.
 - THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
 - ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO AMERICAN ASSOCIATION OF NURSERYMEN LATEST STANDARDS. PLANT INSTALLATION MUST CONFORM TO THE MINIMUM STANDARDS CITED IN THE LATEST EDITION OF 'LANDSCAPE SPECIFICATION GUIDELINES' BY THE LAND. CONT. ASSOC.

DEVELOPER'S / BUILDER'S CERTIFICATE

I/We 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/We further certify that upon completion, a Certification of Landscape Installation, accompanied by an executed one year guarantee of plant materials, will be submitted to the Department of Planning and Zoning.

Kenneth Jones 9/7/99
 Name Date

KCW Engineering Technologies, Inc.
 3104 Timanus Lane, Suite 101
 Baltimore, MD 21244
 (410) 281-0033
 Fax (410) 281-1065
 www.KCW-ET.com



DEVELOPER:
 1st MARINER BANK
 1801 South Clinton Street
 Baltimore, Maryland 21224
 Attn: Kenneth G. Jones
 Tele: (410) 342-1500

OWNER:
 CARROLL'S DEVELOPMENT, LLC
 10065 Baltimore National Pike
 Ellicott City, Maryland 21042
 Attn: Ashton Manefee
 Tele: (410) 235-1066

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

Chief Simpson 1/18/04
John K. Hester 1/18/04

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chief of Planning and Zoning 1/25/00
Chief, Division of Land Development 1/25/00
Chief, Development Engineering Division 1/25/00

ADDRESS CHART

Parcel # 67
 Street Address: 10065 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MD 21042

PERMIT INFORMATION CHART

Subdivision Name: ELLICOTT CITY
 Block # 2
 Zoning: B-2
 Tax Map: 24
 Election District: 2nd
 Census Tract: 6023.01
 Water Code: H-08
 Sewer Code: 5440000

KCW J.O.: 98432
 SCALE 1" = 20'
 DESIGNED: K.M.W.
 DRAWN: K.M.W.
 CHECKED: N.S.H.
 DATE: NOV. 3, 1999
 DRAWING NO.: G-10 SHEET 10 OF 10
 SDP 00-36

1ST MARINER BANK
 ELLICOTT CITY BRANCH
 10065 BALTIMORE NATIONAL PIKE
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT - 2