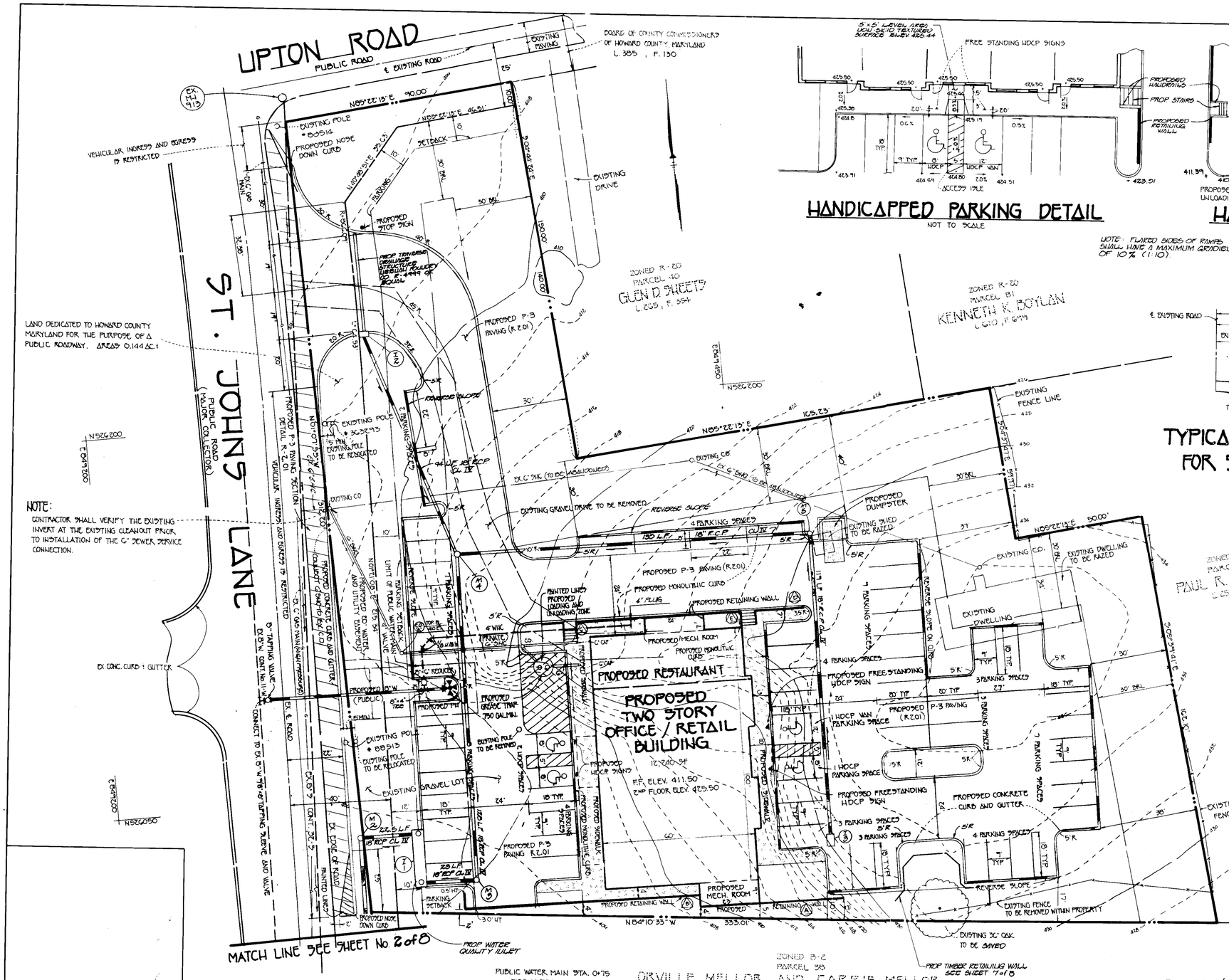
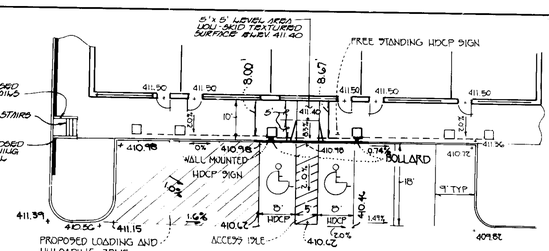


HANDICAPPED PARKING DETAIL

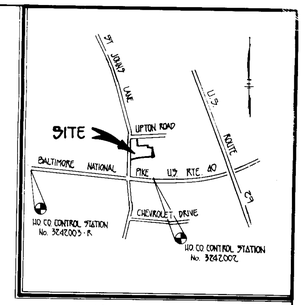
NOT TO SCALE



HANDICAPPED PARKING DETAIL

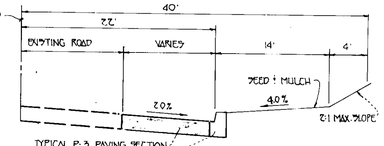
NOT TO SCALE

NOTE: FLARED SIDES OF RAMPS SHALL HAVE A MAXIMUM GRADIENT OF 10% (1:10).



VICINITY MAP

SCALE 1" = 1200'



TYPICAL WIDENING DETAIL FOR ST JOHNS LANE

NOT TO SCALE

NOTE:

NO CHANGE(S) IN THE USE(S) AND OR SQUARE FOOT AREA(S) OF USE INDICATED IN THE SITE ANALYSIS IS PERMITTED WITHOUT COMPLIANCE WITH THE ZONING REGULATIONS PARKING REQUIREMENTS AND PRIOR APPROVAL OF THE DEPARTMENT OF PLANNING AND ZONING.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF CONSTRUCTION INSPECTION AT 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
3. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
4. PROJECT BACKGROUND:
   LOCATION: ST JOHN'S LANE AND UPTON ROAD
   TAX MAP 24, PARCEL 39
   ZONING: B-1 BUSINESS LOCAL
   SITE AREA 1.672 AC.±
5. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
6. ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
7. FIELD SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. MARCH 9, 1990
8. THIS SITE TO UTILIZE PUBLIC WATER AND SEWER.
9. EXISTING UTILITIES WERE LOCATED BY FIELD SURVEY.
10. COORDINATES BASED ON NAD 27, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NOS. 3242002 AND 3242003-R.

3242002	N	525789.095
	E	849475.765
3242003R	N	525912.292
	E	846807.881

SITE ANALYSIS

1. AREA OF PARCEL: 1.672 AC.
2. PRESENT ZONING: B-1 BUSINESS LOCAL
3. PROPOSED USE OF STRUCTURE IS A TWO STORY OFFICE AND RETAIL BUILDING (12,160 S.F.)
4. PROPOSED FLOOR SPACE:
   A. 6080 SF RETAIL (FIRST FLOOR)
   B. 6080 SF OFFICE (GENERAL OFFICE AND MEDICAL)(SECOND FLOOR)
5. PARKING REQUIRED:

FIRST FLOOR:	6,080 SQ. FT.
RESTAURANT, CARRY OUT:	6 SPACES/1,000 SQ.FT
1,200 SQ.FT.:	7.2 SPACES
RETAIL, GENERAL:	5 SPACES/1,000 SQ.FT.
4,880 SQ.FT. RETAIL:	24.4 SPACES
TOTAL	31.6 SPACES
SECOND FLOOR:	6,080 SQ.FT.
MEDICAL USES:	5 SPACE/1,000 SQ.FT.
2,440 SQ.FT. MEDICAL USE:	12.2 SPACES
GENERAL OFFICE:	3.3 SPACE/1,000 SQ.FT.
3,640 SQ.FT. GENERAL OFFICE:	12.0 SPACES
TOTAL	24.2 SPACES

TOTAL SPACES REQUIRED FOR THIS PROJECT IS 56 SPACES.

PARKING SPACES PROVIDED: 65 SPACES

61	REGULAR PARKING SPACES
3	PARKING SPACES RESERVED FOR HANDICAPPED
1	PARKING SPACE RESERVED FOR VANS TRANSPORTING HANDICAPPED PERSONS.

SHEET INDEX

NO.	DESCRIPTION
1.	SITE DEVELOPMENT PLAN
2.	SITE DEVELOPMENT PLAN / PROFILES
3.	GRADING PLAN
4.	SEDIMENT / EROSION CONTROL PLAN
5.	LANDSCAPE PLAN
6.	NOTES AND DETAILS
7.	RETAINING WALL DETAILS
8.	RETAINING WALL DETAILS

ADDRESS CHART	
PARCEL*	STREET ADDRESS
39	3355 ST JOHNS LANE

OWNER / DEVELOPER

MR. RICHARD J. DEMMITT
96 HIGHLAND DEVELOPMENT CORP.
P.O. BOX 208
CLARKSVILLE, MARYLAND 21029

MR. DONALD R. REUWER JR.
C/O LAND DESIGN AND DEVELOPMENT INC
10805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9177 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

ENGINEER'S CERTIFICATE

I HEREBY 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 OF ENGINEER — DATE 11/1/94

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER — DATE 11/1/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE 2/1/95

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
DISTRICT HOWARD SOIL CONSERVATION DISTRICT — DATE 2/1/95

APPROVED: DEPT. OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 3/3/95

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — DATE 3/7/95

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER — DATE 3/3/95

APPROVED: DEPARTMENT OF PUBLIC WORKS, FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS — DATE 2/22/95

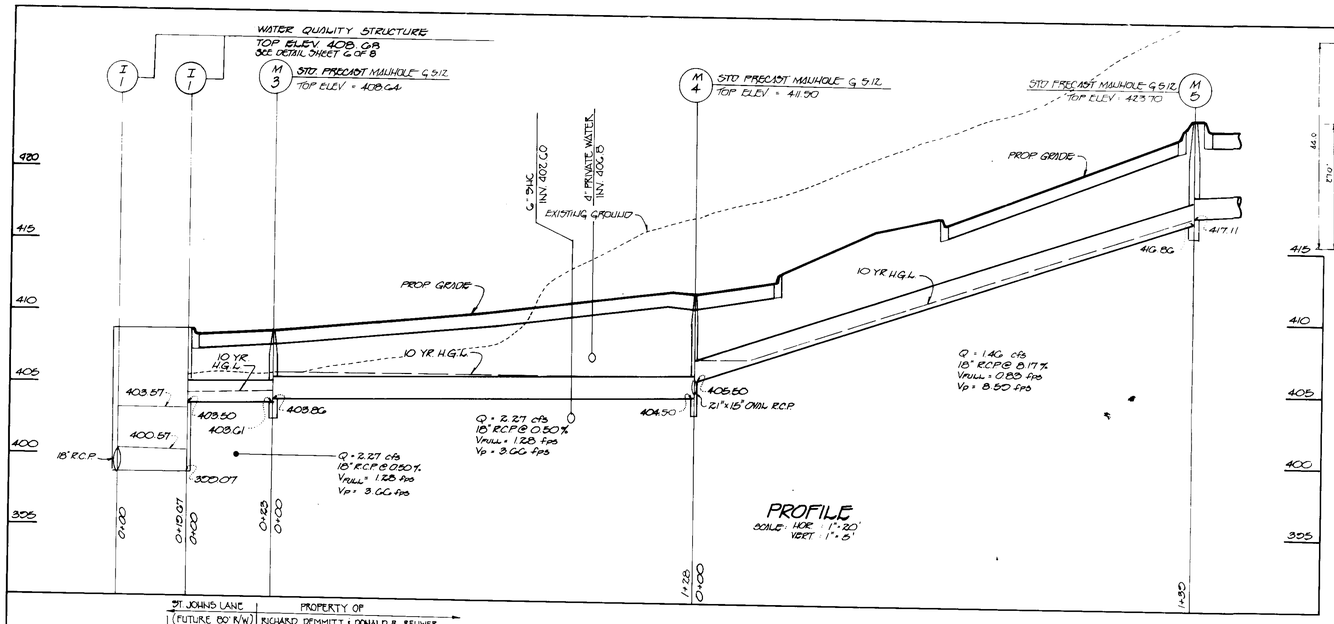
CHIEF, BUREAU OF ENGINEERING — DATE 2/22/95

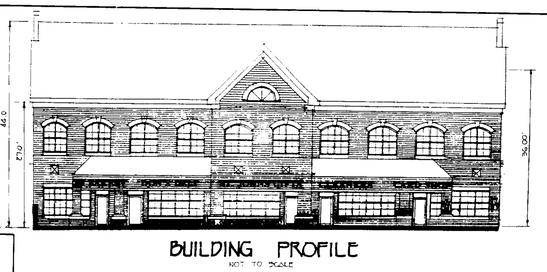
PROPERTY/SUBDIVISION			SECTION/AREA		PARCEL
ST. JOHNS STATION			—		39
~~PLAT NO.~~/L.F.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
2015 / 526	5	B-1	24	2ND	6022
WATER CODE	F 06	SEWER CODE	1403700		

SITE DEVELOPMENT PLAN
OFFICE RETAIL CENTER
ST. JOHNS STATION

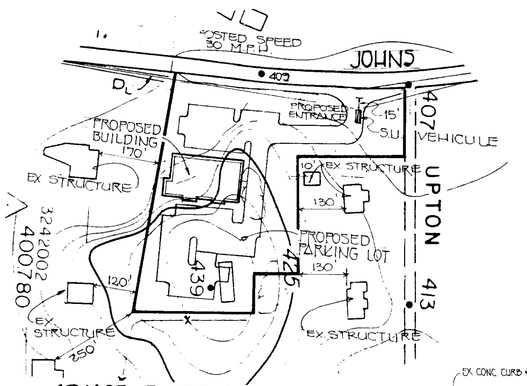
TAX MAP 24 LIBER 2015, FOLIO 526 PARCEL 39
2ND ELECTION DIST. HOWARD COUNTY, MARYLAND
SCALE: 1" = 20' DATE: SEPTEMBER, 1994
SHEET NO 1 OF 8

SDP-94-79



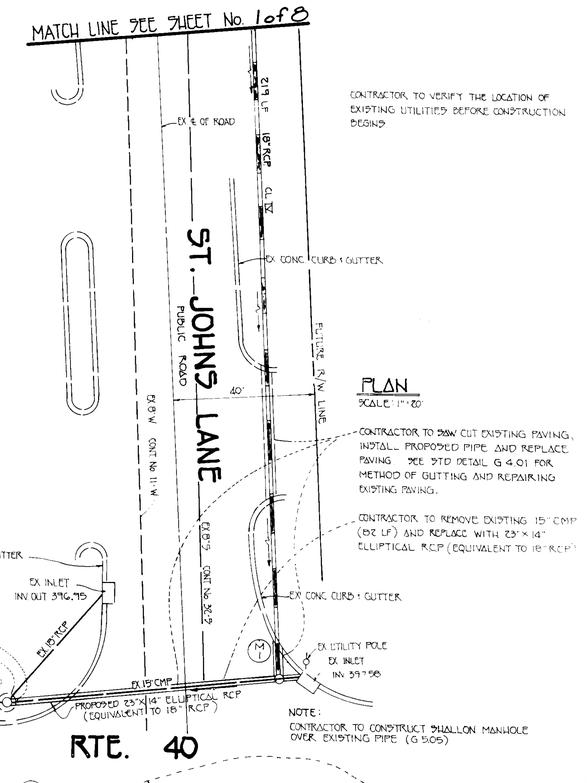


BUILDING PROFILE
NOT TO SCALE



ADJACENT STRUCTURE LOCATION
NOT TO SCALE

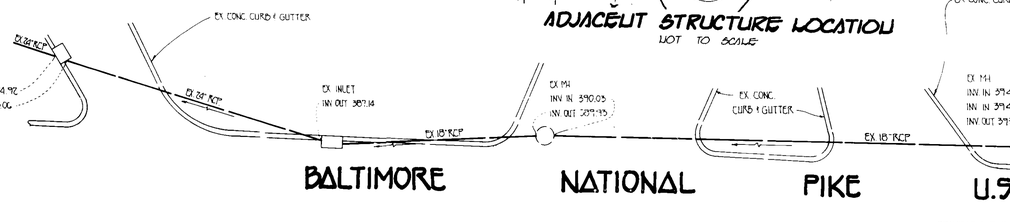
MATCH LINE SEE SHEET No. 1 of 8



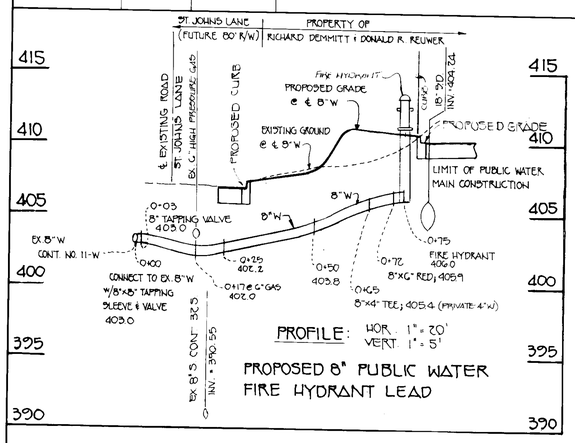
PLAN
SCALE: 1"=20'

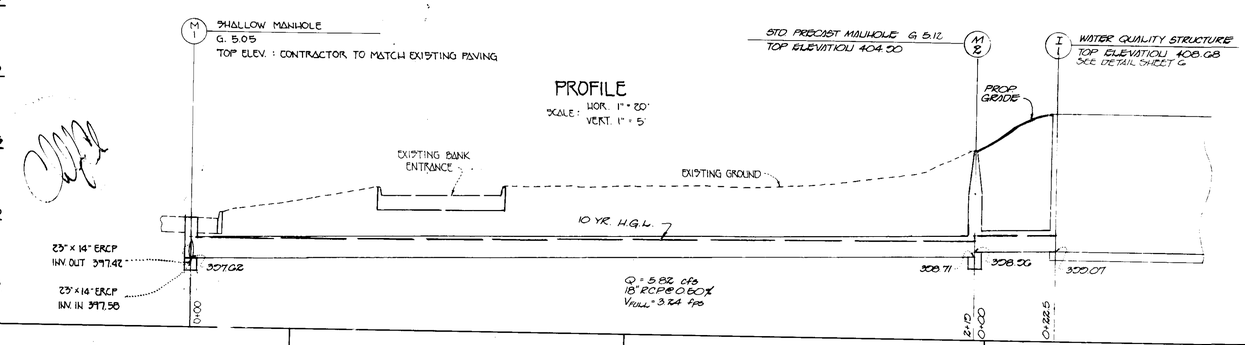
NOTE:
CONTRACTOR TO CONSTRUCT 3'SALLON MANHOLE OVER EXISTING PIPE (G 5.05)

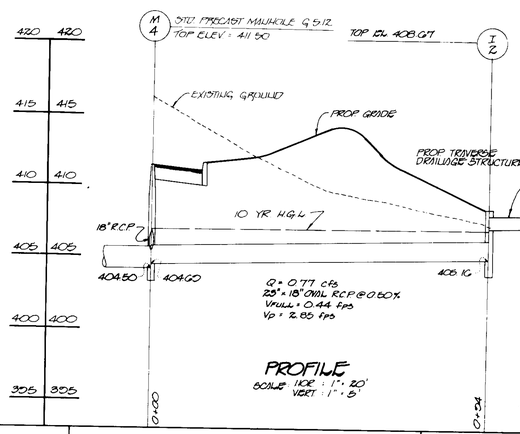
CONTRACTOR TO VERIFY THE LOCATION OF EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS

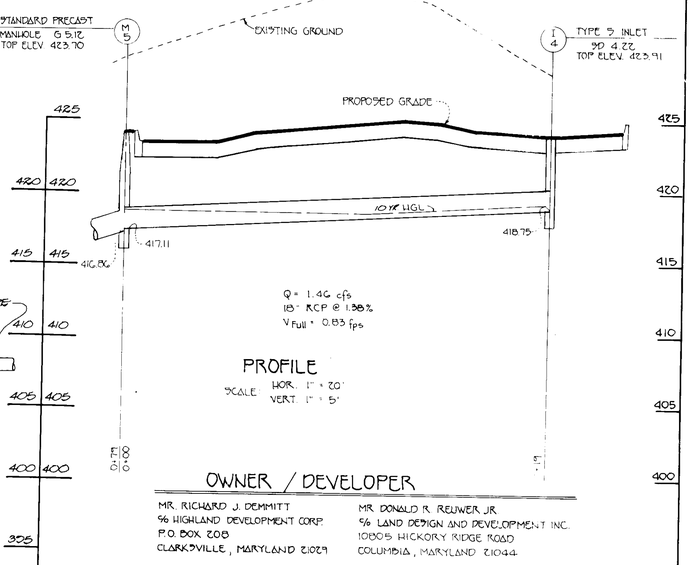


BALTIMORE NATIONAL PIKE U.S. RTE. 40









OWNER / DEVELOPER

MR. RICHARD J. DEMMITT
% HIGHLAND DEVELOPMENT CORP.
P.O. BOX 208
CLARKSVILLE, MARYLAND 21029

MR. DONALD R. REUWER JR.
% LAND DESIGN AND DEVELOPMENT INC.
10805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

ENGINEER'S CERTIFICATE

I HEREBY 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 OF ENGINEER — 11/1/94 DATE

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 PERODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER — 11/1/94 DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — 2/1/95 DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
DISTRICT — 2/1/95 DATE
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT. OF PLANNING AND ZONING

PLANNING DIRECTOR — 3/8/95 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — 3/7/95 DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER — 3/3/95 DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS
FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR PUBLIC WORKS — 2/22/95 DATE

CHIEF, BUREAU OF ENGINEERING OD 2/22/95 — 2/22/95 DATE

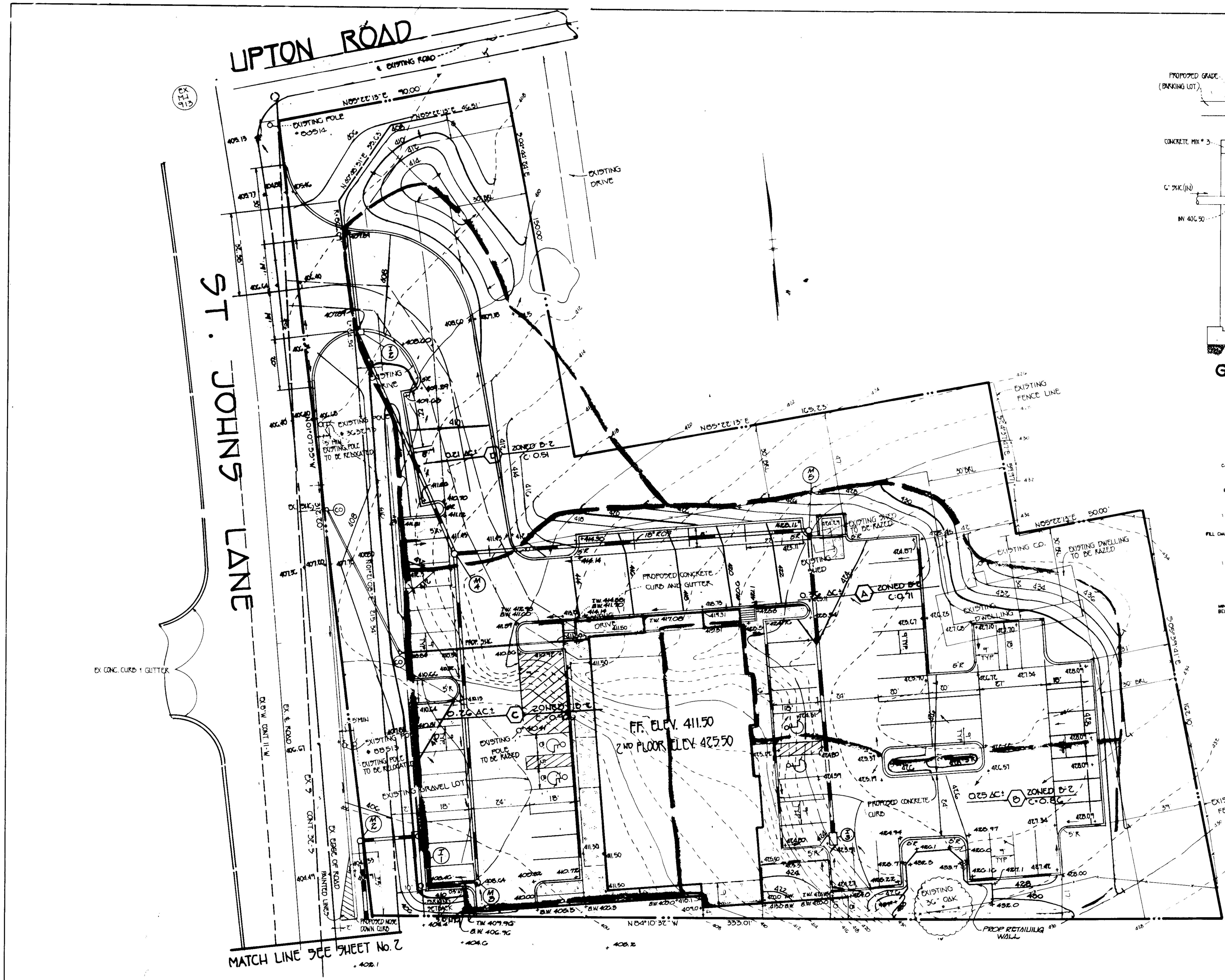
PROPERTY/SUBDIVISION			SECTION/AREA	PARCEL
ST. JOHNS STATION			—	39
~~PLAT NO./LF.~~ 2015 / 526	BLOCK NO. 5	ZONE B-1	TAX/ZONE 24	ELEC. DIST. 2ND	CENSUS TR. 6022
WATER CODE F06			SEWER CODE 1403700	

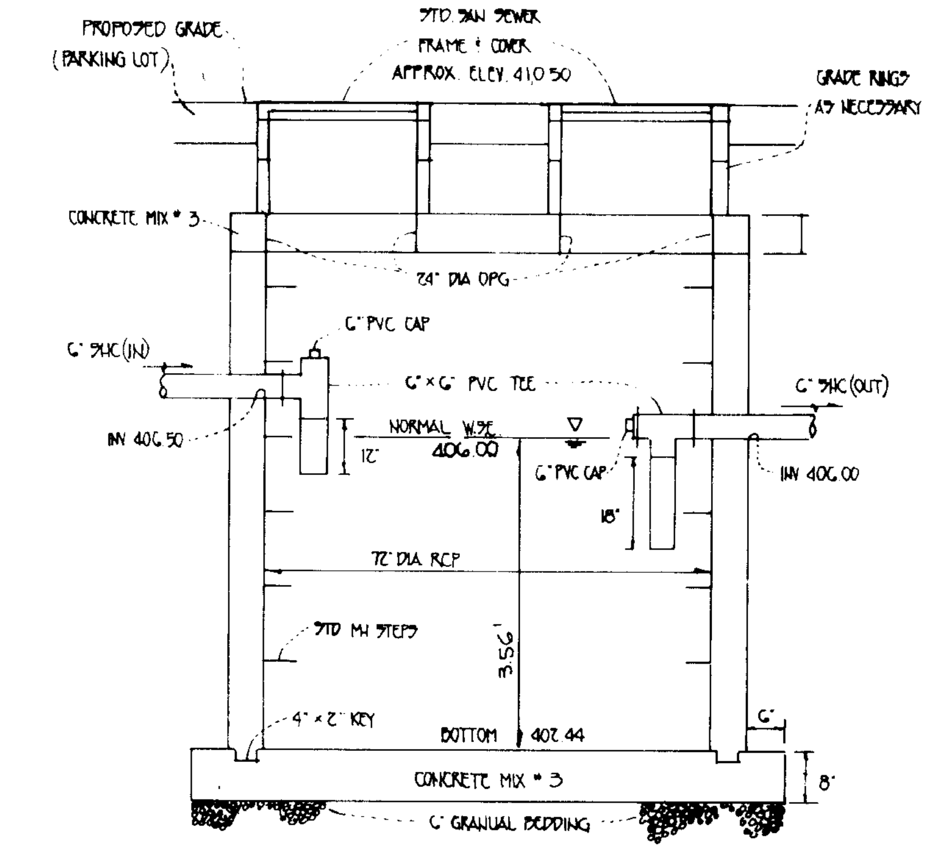
SITE DEVELOPMENT PLAN
&
STORMDRAIN PROFILES

ST. JOHNS STATION

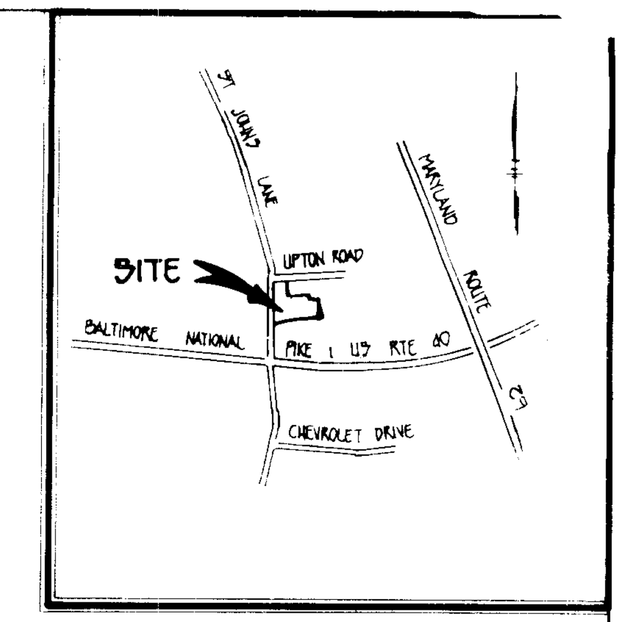
TAX MAP 24 LIBER 2015 FOLIO 526 PARCEL 39
2ND ELECTION DIST. HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: SEPTEMBER, 1994
SHEET No. 2 OF 8

SDP-94-79

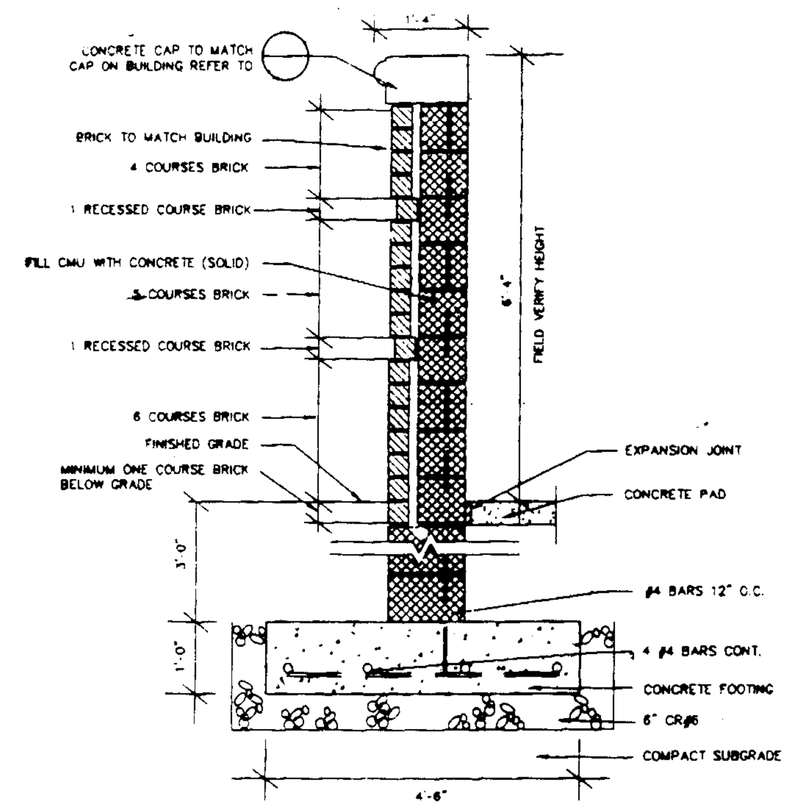




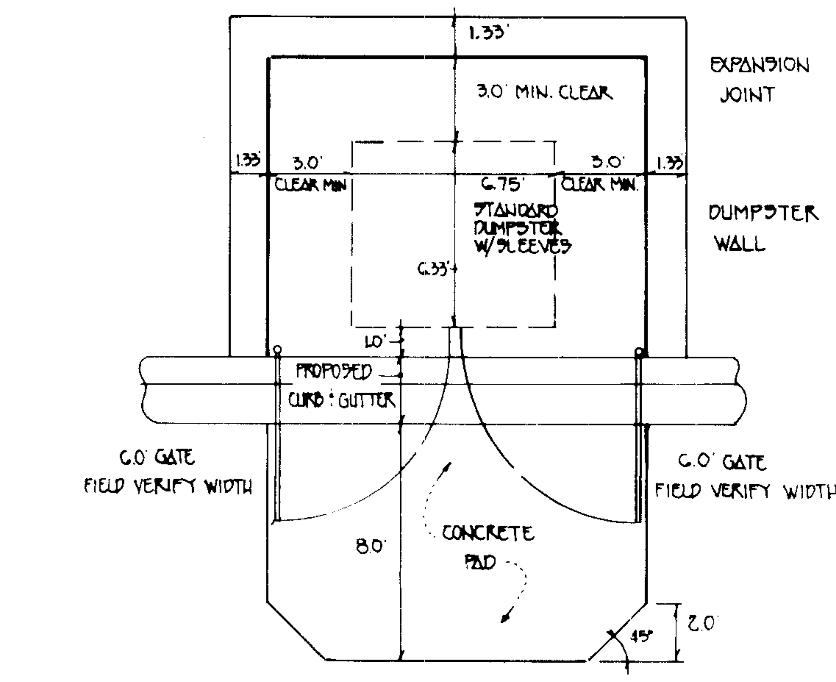
GREASE TRAP DETAIL
NOT TO SCALE



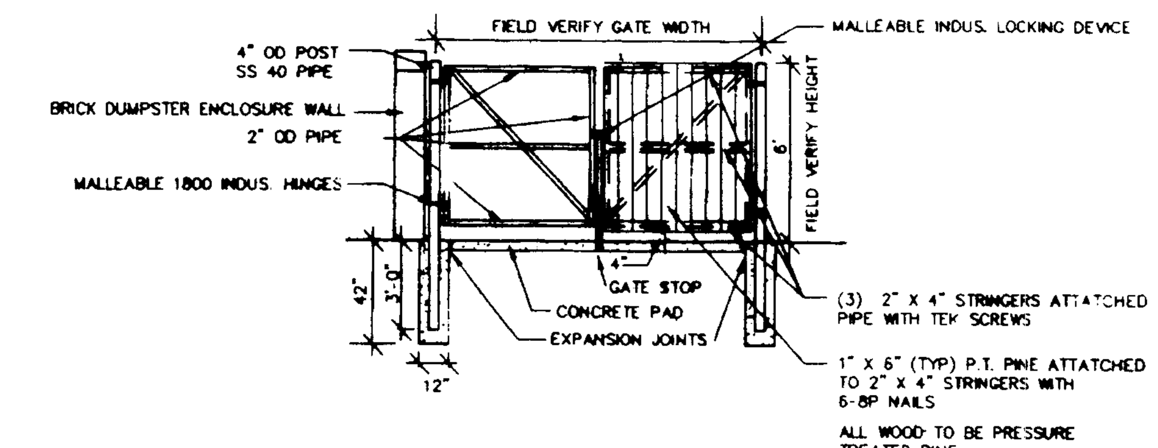
VICINITY MAP
SCALE 1" = 1200'



DUMPSTER ENCLOSURE WALL
NOT TO SCALE



DUMPSTER ENCLOSURE DETAIL
NOT TO SCALE



DUMPSTER GATE DETAIL
NOT TO SCALE

OWNER / DEVELOPER

MR. RICHARD J. DEMMITT
% HIGHLAND DEVELOPMENT CORP.
P.O. BOX 208
CLARKSVILLE, MARYLAND 21029

MR. DONALD R. REUWER JR.
% LAND DESIGN AND DEVELOPMENT INC.
10805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

ENGINEER'S CERTIFICATE

I HEREBY 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 OF ENGINEER — 11/1/94 DATE

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 PERODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER — 11/1/94 DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE — 2/1/95 DATE

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

DISTRICT — 2/1/95 DATE
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT. OF PLANNING AND ZONING

PLANNING DIRECTOR — 5/8/95 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — 3/7/95 DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER — 3/3/95 DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS. FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS — 2/22/95 DATE

CHIEF, BUREAU OF ENGINEERING 2/22/95 — 2/22/95 DATE

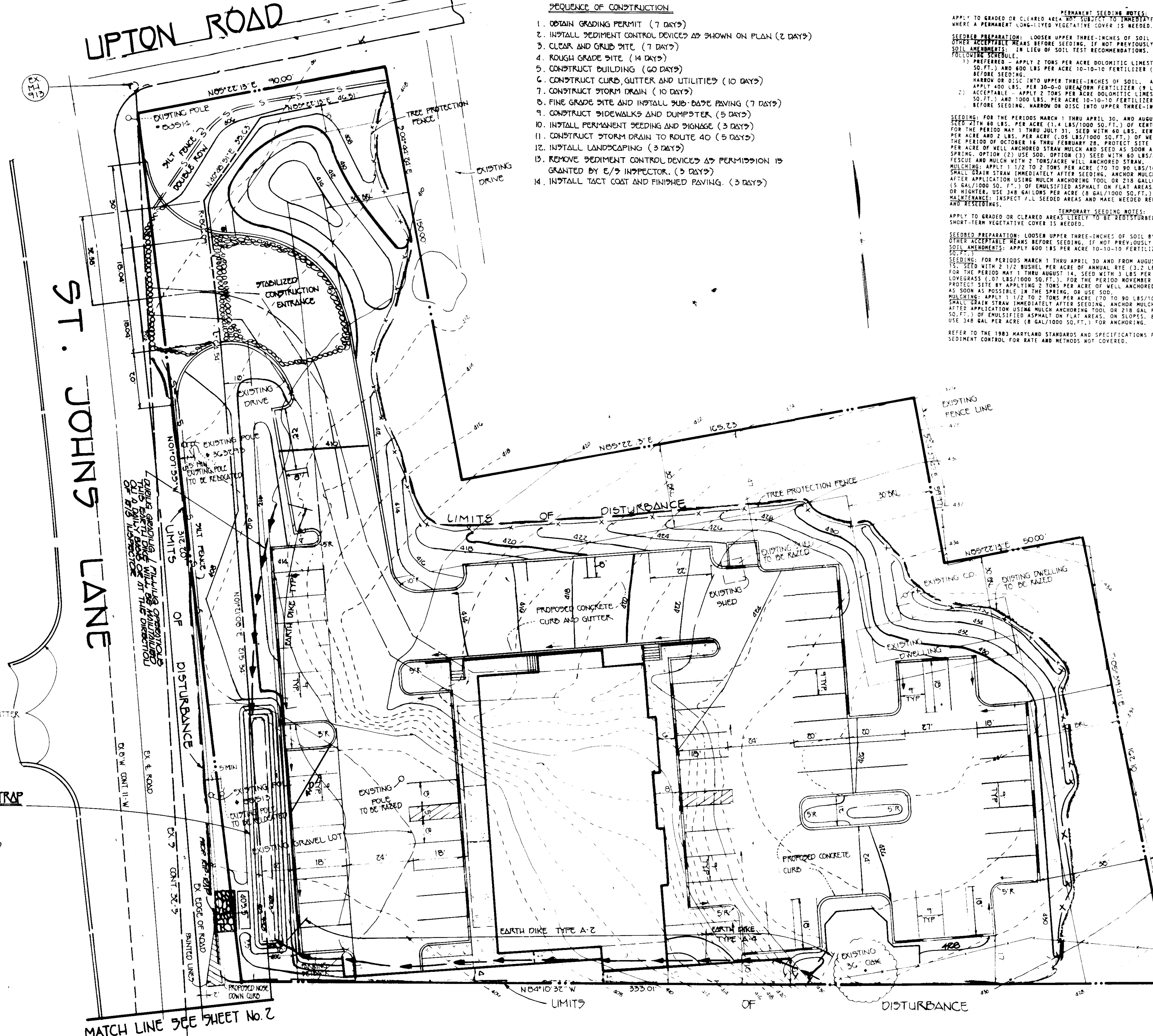
PROPERTY/SUBDIVISION			SECTION/AREA		PARCEL
ST. JOHNS STATION			—		39
~~PLAT NO.~~/LF.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
2015/526	5	B-1	24	2	6022
WATER CODE	F06		SEWER CODE	1403700	

GRADING PLAN & DRAINAGE AREA MAP

ST. JOHNS STATION

TAX MAP 24 LIBER 2015, FOLIO 526 PARCEL 39
2ND ELECTION DIST. HOWARD COUNTY, MARYLAND
SCALE: 1" = 20' DATE: SEPTEMBER, 1994
SHEET NO 3 OF 8

SDP-94-77



SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT (7 DAYS)
2. INSTALL SEDIMENT CONTROL DEVICES AS SHOWN ON PLAN (2 DAYS)
3. CLEAR AND GRUB SITE (7 DAYS)
4. ROUGH GRADE SITE (14 DAYS)
5. CONSTRUCT BUILDING (60 DAYS)
6. CONSTRUCT CURB, GUTTER AND UTILITIES (10 DAYS)
7. CONSTRUCT STORM DRAIN (10 DAYS)
8. FINE GRADE SITE AND INSTALL SUB-BASE PAVING (7 DAYS)
9. CONSTRUCT SIDEWALKS AND DUMPSTER (5 DAYS)
10. INSTALL PERMANENT SEEDING AND SIGNAGE (3 DAYS)
11. CONSTRUCT STORM DRAIN TO ROUTE 40 (5 DAYS)
12. INSTALL LANDSCAPING (3 DAYS)
13. REMOVE SEDIMENT CONTROL DEVICES AS PERMISSION IS GRANTED BY E/S INSPECTOR. (3 DAYS)
14. INSTALL TACT COAT AND FINISHED PAVING. (3 DAYS)

STONE OUTLET SEDIMENT TRAP

DRAINAGE AREA	= 1.1
STORAGE REQ.	= 73 C.Y.
STORAGE PROVIDED	= 74 C.Y.
TOP EMBANKMENT ELEV.	= 406.0
WEIR CREST ELEV.	= 405.5
WEIR LENGTH	= 10'
BOTTOM ELEV.	= 402.5
DEPTH	= 3.0'
CLEANOUT ELEV.	= 404.0
SIDE SLOPES	= 1:1

PERMANENT SEEDING NOTES:

APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTRUBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULE.

1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ.FT.)
2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS/1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OR UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHTER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.
MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES:

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.)
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ.FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES. 8 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

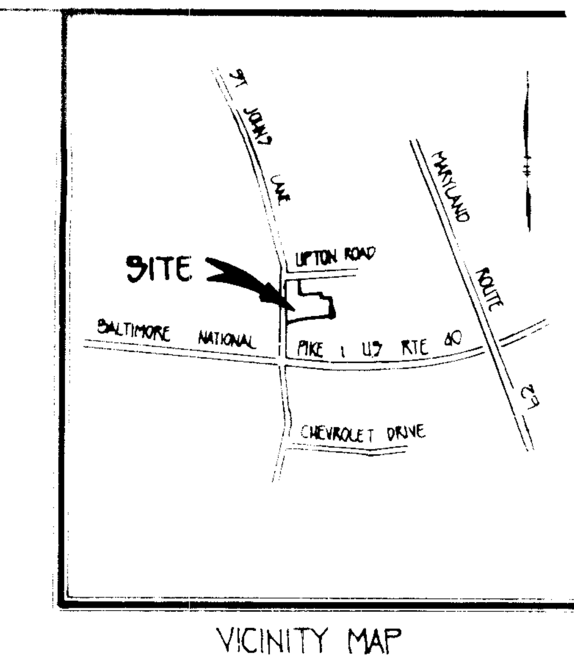
SEDIMENT CONTROL NOTES

1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL GREATER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4) ALL SEDIMENT TRAPS/BASINS SHOWN 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.
5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (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.
6) 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.
7) SITE ANALYSIS:

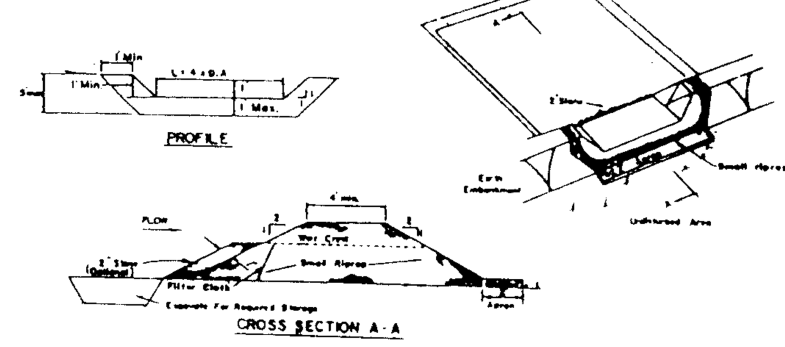
TOTAL AREA OF SITE	1.7	ACRES
AREA DISTURBED	1.4	ACRES
AREA TO BE ROOFED OR PAVED	0.8	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.6	ACRES
TOTAL CUT	* 9416	CU.YDS.
TOTAL FILL	1295	CU.YDS.
OFFSITE WASTE/BORROW AREA LOCATION		CU.YDS.

8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
10) 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.

* OFFSITE WASTE AREA TO BE APPROVED BY EROSION AND SEDIMENT CONTROL INSPECTOR.



VICINITY MAP
SCALE 1" = 1200'



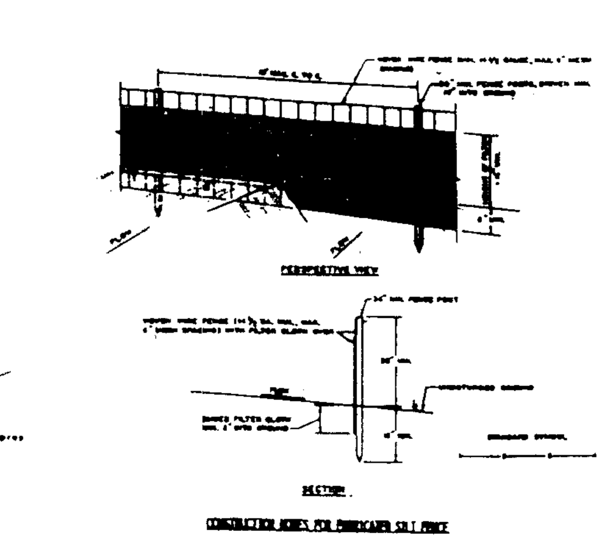
OPTION: A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.

CONSTRUCTION SPECIFICATIONS FOR ST-I

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
3. All cut and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be small riprap 4"-6" along with a 1' thickness of 2" aggregate placed on the up-grade side on the small riprap or embedded filter cloth in the riprap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to ½ the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP DETAIL

NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

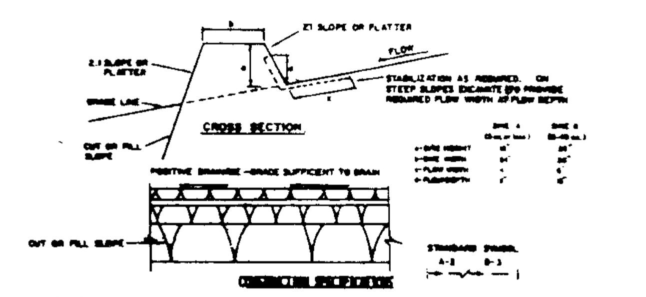
1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
3. When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
4. Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.

POSTS: Steel either T or U type or 2" hardwood
FENCE: Woven wire, [illegible]
FILTER CLOTH: Filter X, Mirafi 100X, Stabilinka T140N or approved equal.
PREFABRICATED UNIT: Geofab, Envirofence, or approved equal.

SILT FENCE

NOT TO SCALE

NOTE: SILT FENCE IS TO BE STAKED AT 3 TO 5 FOOT INTERVALS.



CONSTRUCTION SPECIFICATIONS

[illegible]

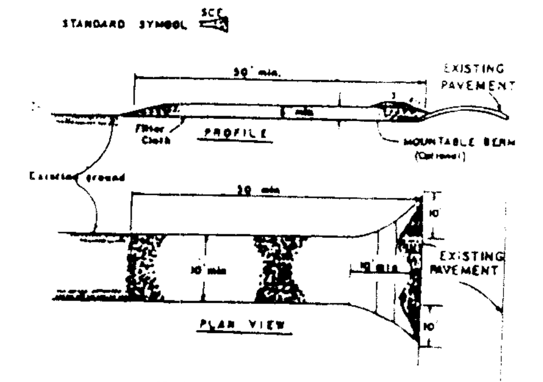
FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	.5-3.0%	Seed and Straw Mulch	Seed and Straw Mulch
2	3.1-5.0%	Seed and Straw Mulch	Seed using Jute, or Excelsior; Sod; 2" Stone
3	5.1-8.0%	Seed with Jute, or Sod; 2" Stone	Lined Rip-Rap 4-8"
4	8.1-20%	Lined Rip-Rap 4-8"	Engineering Design

[illegible]

EARTH DIKE

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

[illegible]

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

OWNER / DEVELOPER

MR. RICHARD J. DEMMITT	MR. DONALD R. REUWER JR.
56 HIGHLAND DEVELOPMENT CORP.	c/o LAND DESIGN AND DEVELOPMENT INC.
P.O. BOX 208	10805 HICKORY RIDGE ROAD
CLARKSVILLE, MARYLAND 21029	COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

ENGINEER'S CERTIFICATE

I HEREBY 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 OF ENGINEER — DATE 11/1/94

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 PERODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER — DATE 11/1/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE 2/1/95

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
DISTRICT — HOWARD SOIL CONSERVATION DISTRICT — DATE 2/1/95

APPROVED: DEPT. OF PLANNING AND ZONING
PLANNING DIRECTOR — DATE 3/8/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — DATE 3/7/95

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
HEALTH OFFICER — DATE 3/3/95

APPROVED: DEPARTMENT OF PUBLIC WORKS. FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
DIRECTOR, PUBLIC WORKS — DATE 2/22/95
CHIEF, BUREAU OF ENGINEERING — DATE 2/22/95

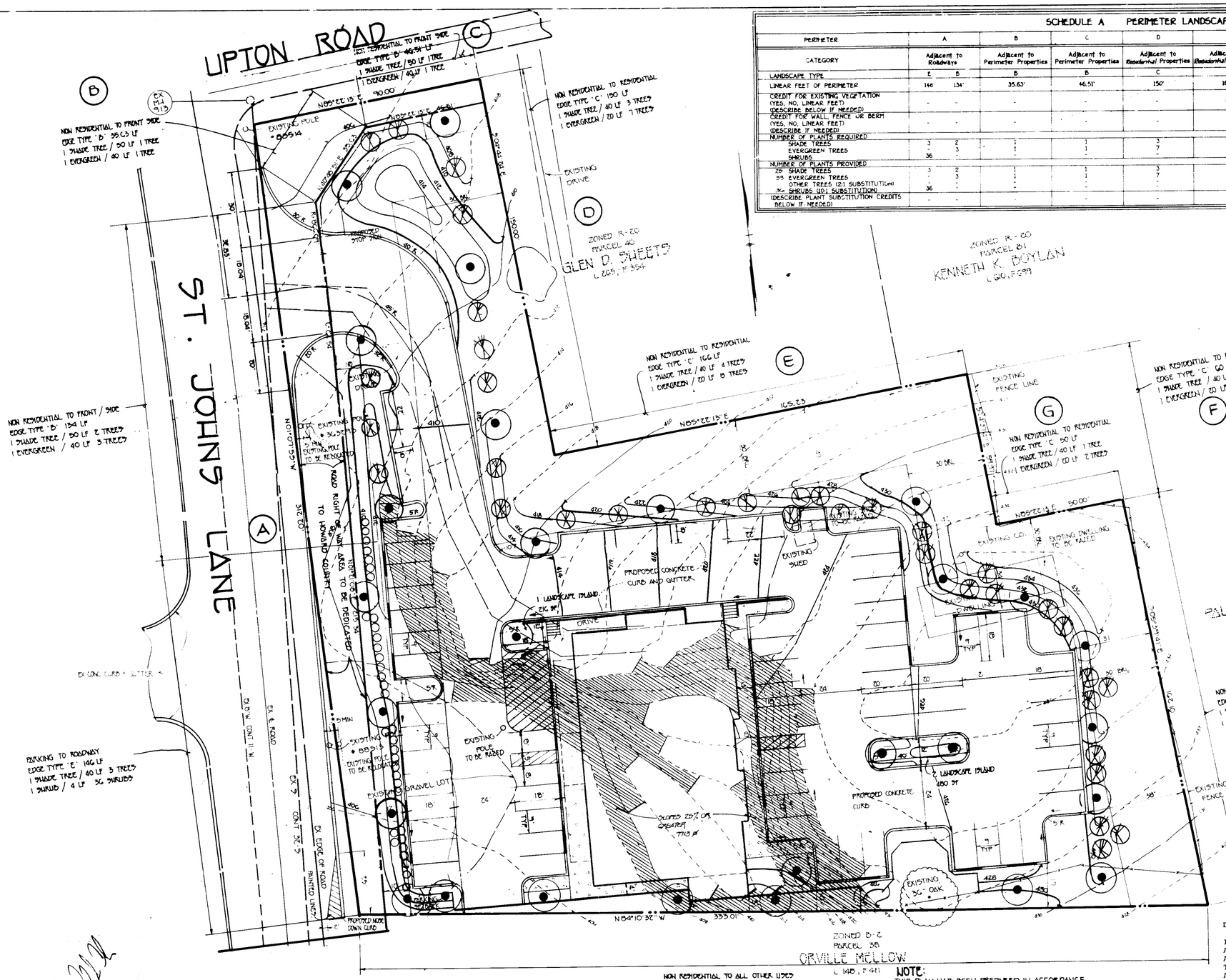
PROPERTY/SUBDIVISION			SECTION/AREA		PARCEL
ST. JOHNS STATION			—		39
~~PLAT NO.~~/LF.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
2015/526	5	B-1	24	2ND	6022
WATER CODE	F06		SEWER CODE	1403700	

SEDIMENT / EROSION CONTROL PLAN

ST. JOHNS STATION

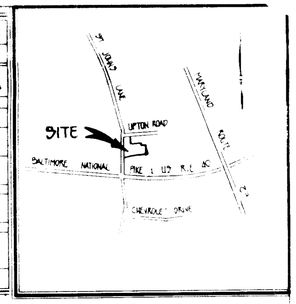
TAX MAP 24 — LIBER 2015, FOLIO 526 — PARCEL 39
2ND ELECTION DIST — HOWARD COUNTY, MARYLAND
SCALE: 1" = 20' — DATE: SEPTEMBER, 1994
SHEET NO 4 OF 8

SDP 94-79

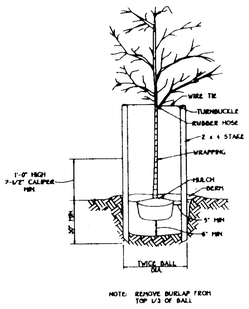


SCHEDULE A PERIMETER LANDSCAPE EDGE

PERIMETER	A		B	C	D	E	F	G	H	I
CATEGORY	Adjacent to Roadways		Adjacent to Perimeter Properties	Adjacent to Perimeter Properties	Adjacent to Residential Properties	Adjacent to Residential Properties	Adjacent to Residential Properties	Adjacent to Residential Properties	Adjacent to Residential Properties	Adjacent to Residential Properties
LANDSCAPE TYPE	E	B	B	B	C	C	C	C	C	A
LINEAR FEET OF PERIMETER	146	134'	35.63'	46.51'	150'	166'	60'	50'	162'	333'
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	-	-	-	-	-	-	-	-	-	-
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE IF NEEDED)	-	-	-	-	-	-	-	-	-	-
NUMBER OF PLANTS REQUIRED										
SHADE TREES	3	2	1	1	3	4	1	1	4	-
EVERGREEN TREES	-	3	1	1	7	8	3	2	8	-
SHRUBS	36	-	-	-	-	-	-	-	-	-
NUMBER OF PLANTS PROVIDED										
20 SHADE TREES	3	2	1	1	3	4	1	1	4	-
33 EVERGREEN TREES	-	3	1	1	7	8	3	2	8	-
OTHER TREES (2:1 SUBSTITUTION)	-	-	-	-	-	-	-	-	-	-
36 SHRUBS (10:1 SUBSTITUTION)	36	-	-	-	-	-	-	-	-	-
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	-	-	-	-	-	-	-	-	-	-

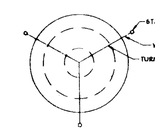


VICINITY MAP
SCALE 1" = 2000'

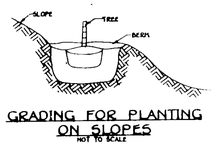


NOTE: REMOVE BURLAP FROM TOP 1/3 OF BALL

TREE PLANTING DETAIL
NOT TO SCALE



STAKING DETAIL
NOT TO SCALE



GRADING FOR PLANTING ON SLOPES
NOT TO SCALE

NOTE:
DENOTES EXISTING STEEP SLOPES 25% AND GREATER

SCHEDULE B
PARKING LOT INTERNAL LANDSCAPING

Number of Parking Spaces	63
Number of Trees Required 1:20	3
Number of Trees Provided Shade Trees Other Trees (2:1 substitution)	3 —

LANDSCAPE LEGEND

SYMBOL	QUANTITY	BOTANICAL / COMMON NAME	SIZE
⊙	20	GLEDITSIA TRIACANTHOS INERMIS IMPERIAL / IMPERIAL THORNLESS HONEYLOCUST	2½" - 3" CAL
✳	36	PINUS STROBUS EASTERN WHITE PINE	6' - 8' HT
○	36	EUONYMUS ALATUS COMPACTA / DWARF WING EUONYMUS	2' - 2½' HT

OWNER/DEVELOPER
MR. DONALD R. REUWER JR.
% LAND DESIGN AND DEVELOPMENT INC.
10005 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

OWNER/DEVELOPER
MR. RICHARD J. DEMMITT
% HIGHLAND DEVELOPMENT CORP.
P.O. BOX 205
CLARKSVILLE, MARYLAND 21029

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.

SIGNATURE _____ DATE _____

FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF $ 6100.00 .

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

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

ENGINEER'S CERTIFICATE

I HEREBY 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 OF ENGINEER 11/1/94 DATE

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER 11/1/94 DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE 2/1/95 DATE

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

APPROVED:
DISTRICT HOWARD SOIL CONSERVATION DISTRICT 2/1/95 DATE

APPROVED: DEPT. OF PLANNING AND ZONING

PLANNING DIRECTOR 3/8/95 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH 3/7/95 DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER 3/3/95 DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS 2/22/95 DATE

CHIEF, BUREAU OF ENGINEERING 2/22/95 DATE

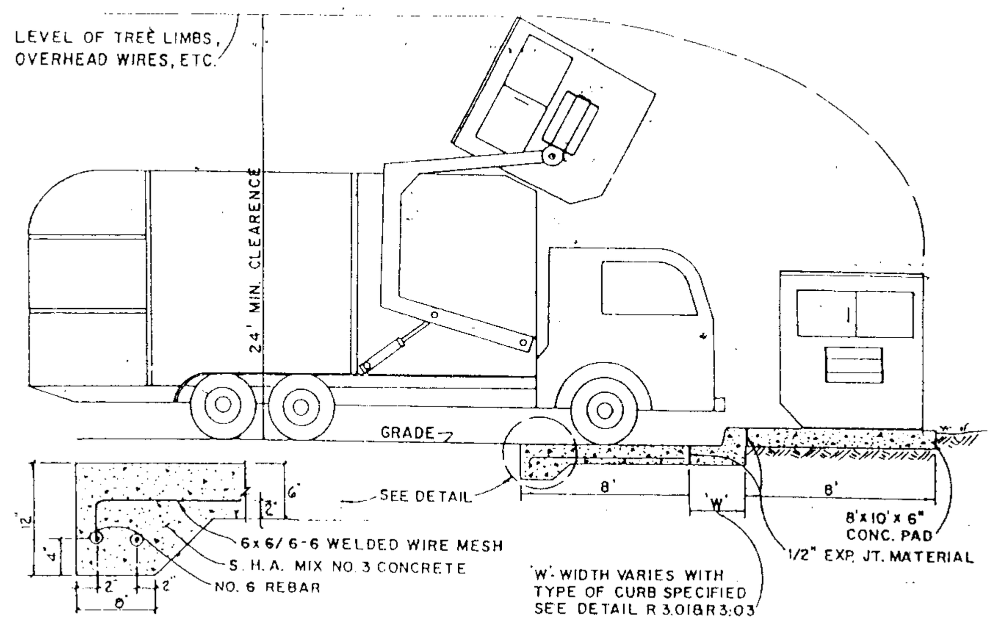
PROPERTY/SUBDIVISION			SECTION/AREA	PARCEL
ST. JOHNS STATION			—	39
~~TAX MAP~~ /LT. 2015/526	BLOCK NO. 5	ZONE B-1	TAX/ZONE 24	ELEC. DIST. 2ND	CENSUS TR 6068
WATER CODE F06			SEWER CODE 1403700	

LANDSCAPE PLAN

ST. JOHNS STATION

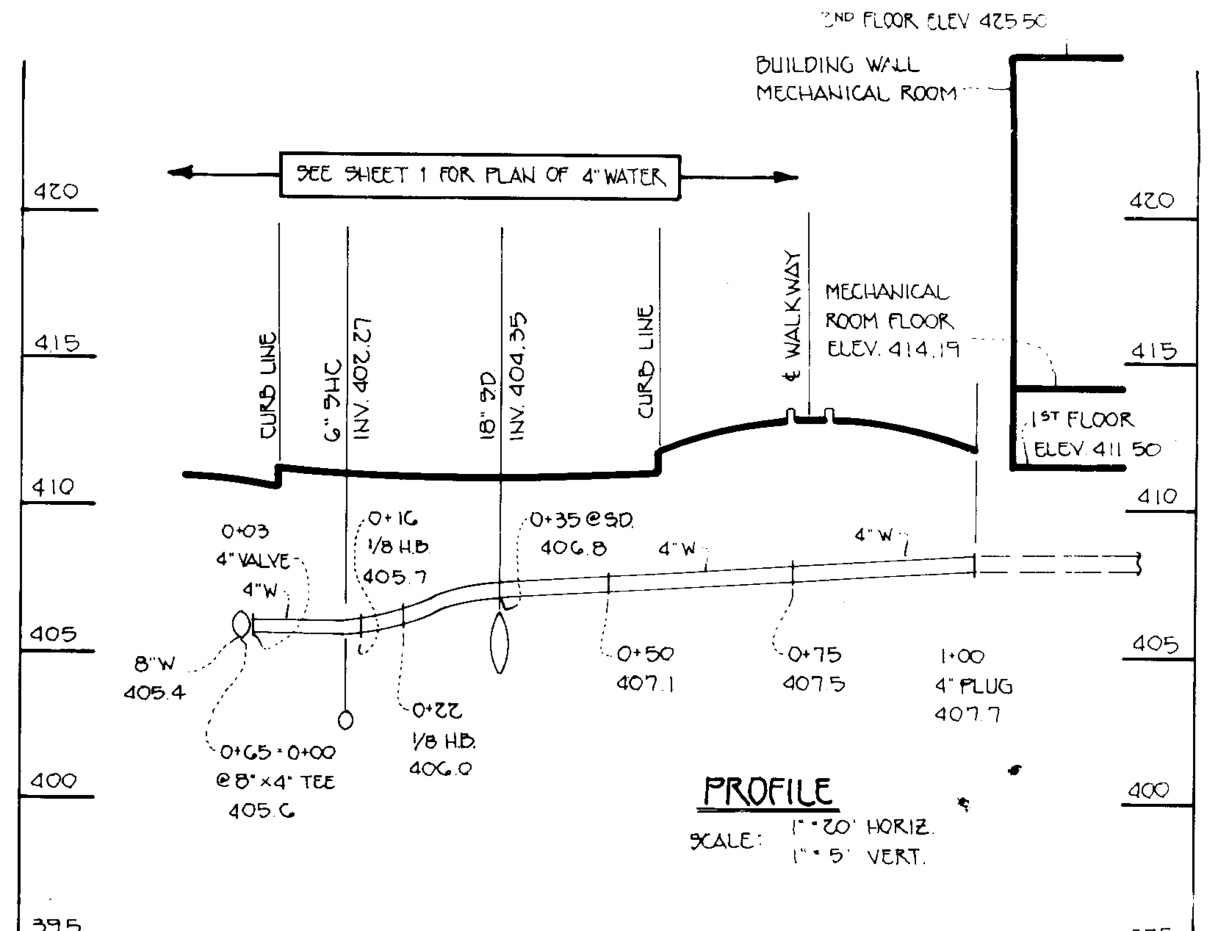
TAX MAP 24 LIBER 2015, FOLIO 526 PARCEL 39
2ND ELECTION DIST HOWARD COUNTY, MARYLAND
SCALE 1" = 20' DATE SEPTEMBER, 1994
SHEET NO 5 OF 8

SDP 94-79



SOLID WASTE SERVICE PAD

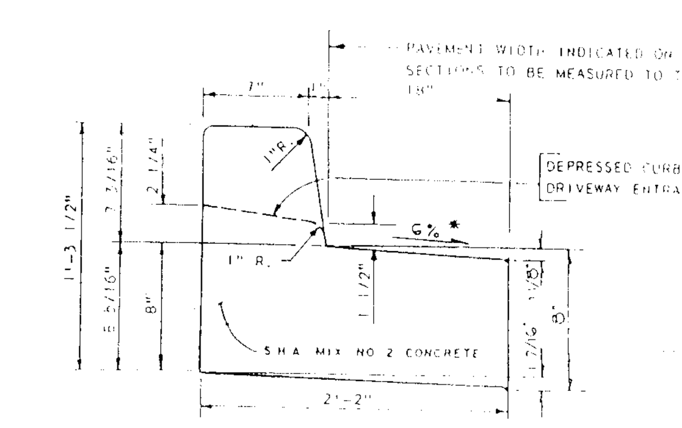
NOT TO SCALE



PRIVATE 4INCH WATER CONNECTION

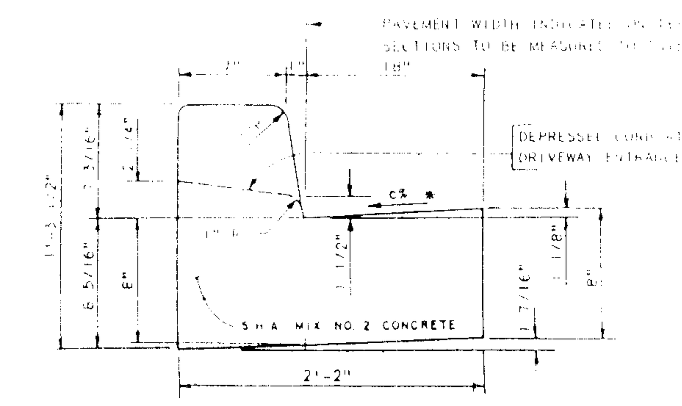
RESERVED HANDICAPPED PARKING SIGN DETAIL

NOT TO SCALE



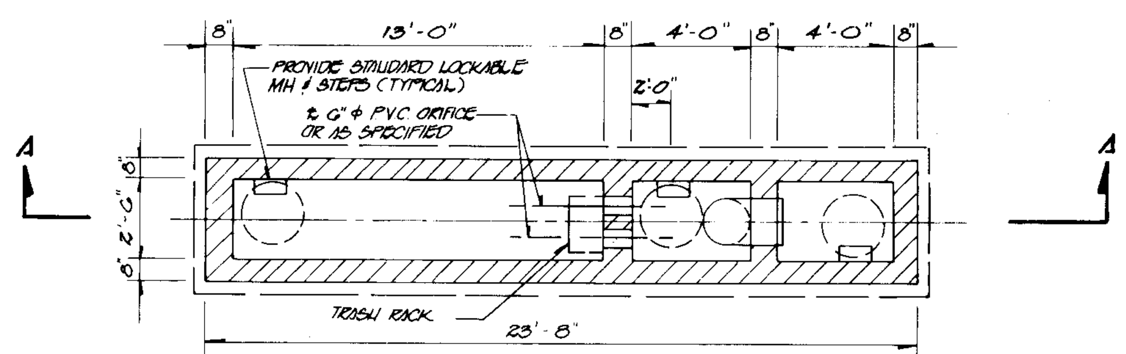
STANDARD COMBINATION CURB & GUTTER w/ REVERSE SLOPE DETAIL

NOT TO SCALE

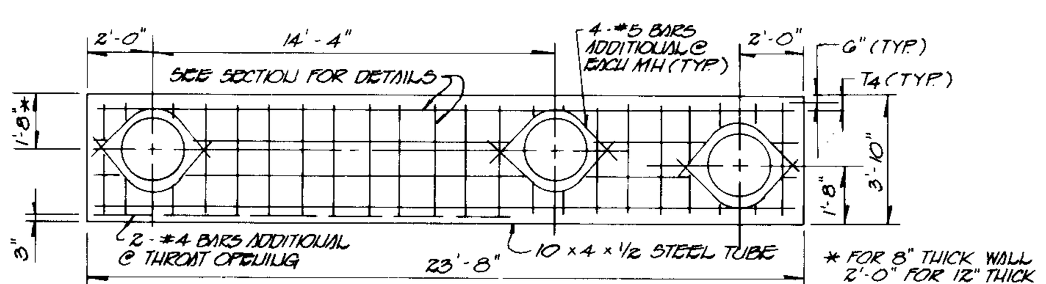


STANDARD COMBINATION CURB & GUTTER

NOT TO SCALE



PLAN VIEW



PLAN VIEW OF TOP SLAB

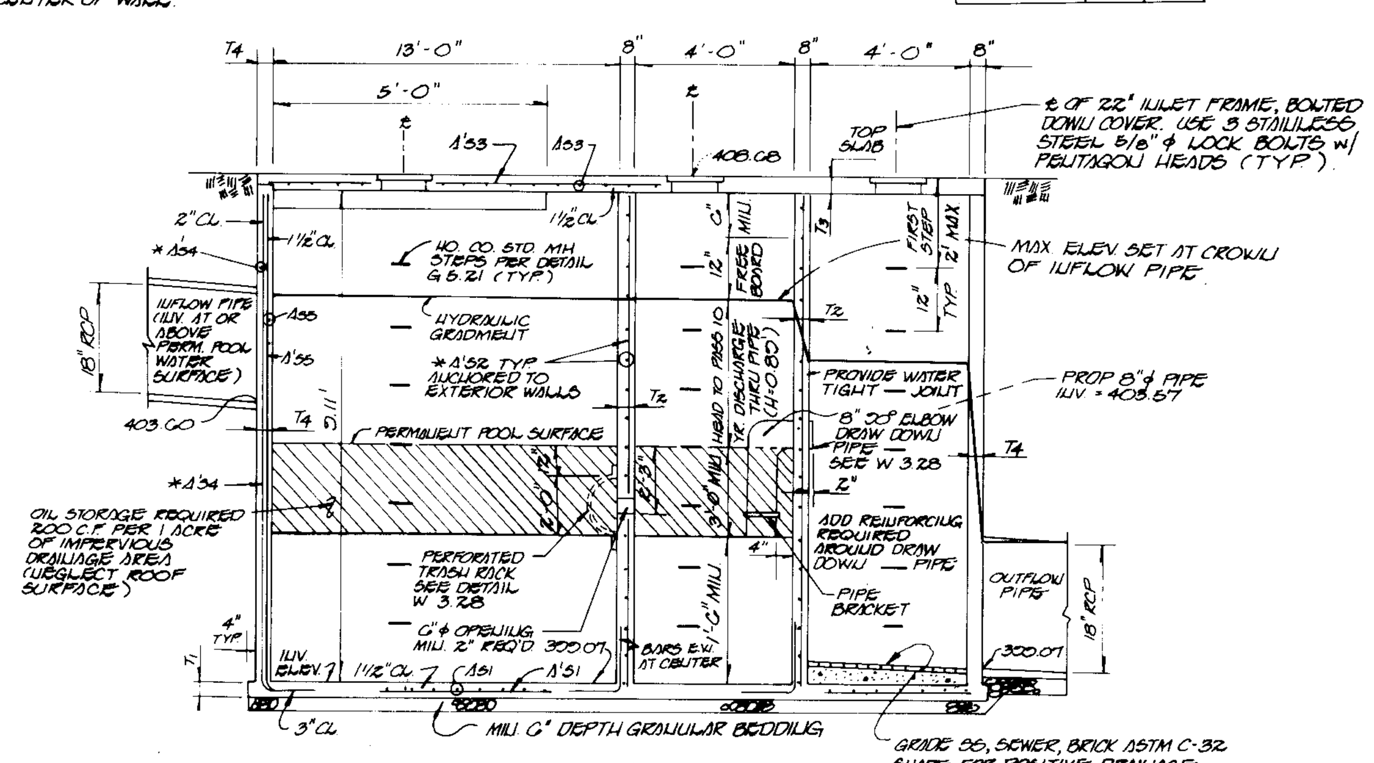
BASE SLAB			PARTITION WALLS			TOP SLAB			OUTER WALLS				
T1 INS.	AS1	A'S1	T2 INS.	AS2	A'S2	T3 INS.	AS3	A'S3	T4 INS.	AS4	A'S4	AS5	A'S5
6"	#5 @ 7"	#4 @ 12"	8"	#4 @ 6"	#4 @ 6"	6"	#5 @ 6"	#4 @ 6"	8"	#5 @ 5"	#4 @ 12"	—	—

CAST IN PLACE CONCRETE f'c = 4000 psi @ 28 DAYS. REINFORCING STEEL IN ACCORDANCE WITH ASTM A615 GRADE 60

NOTE: FOR SECTION AND DETAILS REFER TO SD/7.0a & SD/7.0b.

DOWELS	A	B
# 4	18	18
# 5	27	27
# 6	30	30

WHERE ONE LAYER OF REINFORCEMENT PROPOSED, PLACE THE REBARS AT THE CENTER OF WALL.



SECTION 'A-A'

NOTE: THIS DETAIL IS SITE SPECIFIC FOR MINIMUM STANDARD, SEE HOWARD DESIGN MANUAL VOL. IV, WATER QUALITY INLET (SD 4.42).

WATER QUALITY INLET

NOT TO SCALE

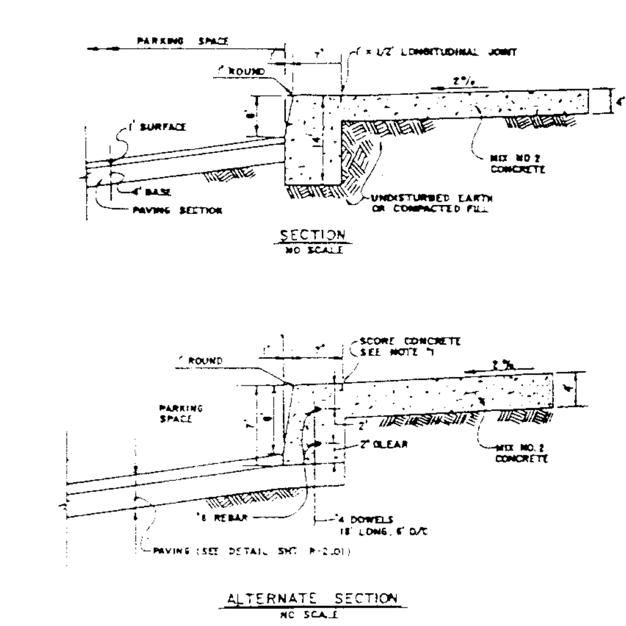
PAVEMENT MATERIALS	
FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR BASE ALTERNATES
1 1/2" BIT. CONC. SURFACE 1 1/2" BIT. CONC. BASE 5" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 4 1/2" BIT. CONC. BASE 5" GRADED AGGREGATE BASE (GAB)

P-3 PAVING SECTION DETAIL

NOT TO SCALE

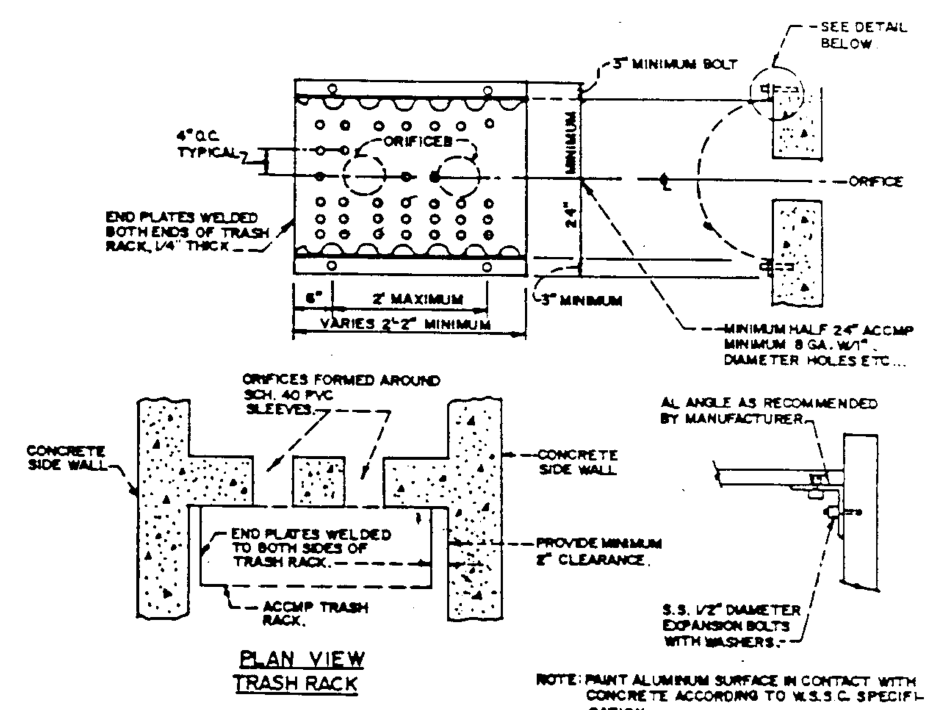
NOTES

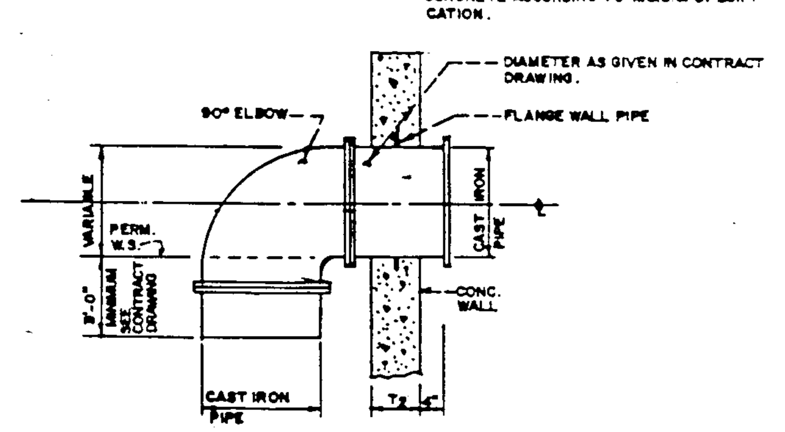
1. LONGITUDINAL JOINT BETWEEN SIDEWALK AND CURB SHALL BE CONTINUOUS AND TO A DEPTH OF 1/4 THE SIDEWALK THICKNESS OR 1" MAX. LATITUDINAL JOINTS SHALL RUN FROM BACK EDGE OF SIDEWALK, CONTINUOUS TO THE BOTTOM FACE OF CURB TO A DEPTH OF 1/4 AND SPACED 5' APART.
2. PROVIDE 1/2" EXPANSION JOINTS AT 15' INTERVALS. IN LATITUDINAL JOINTS TO FULL CROSS-SECTION.



MONOLITHIC CURB/SIDEWALK DETAIL

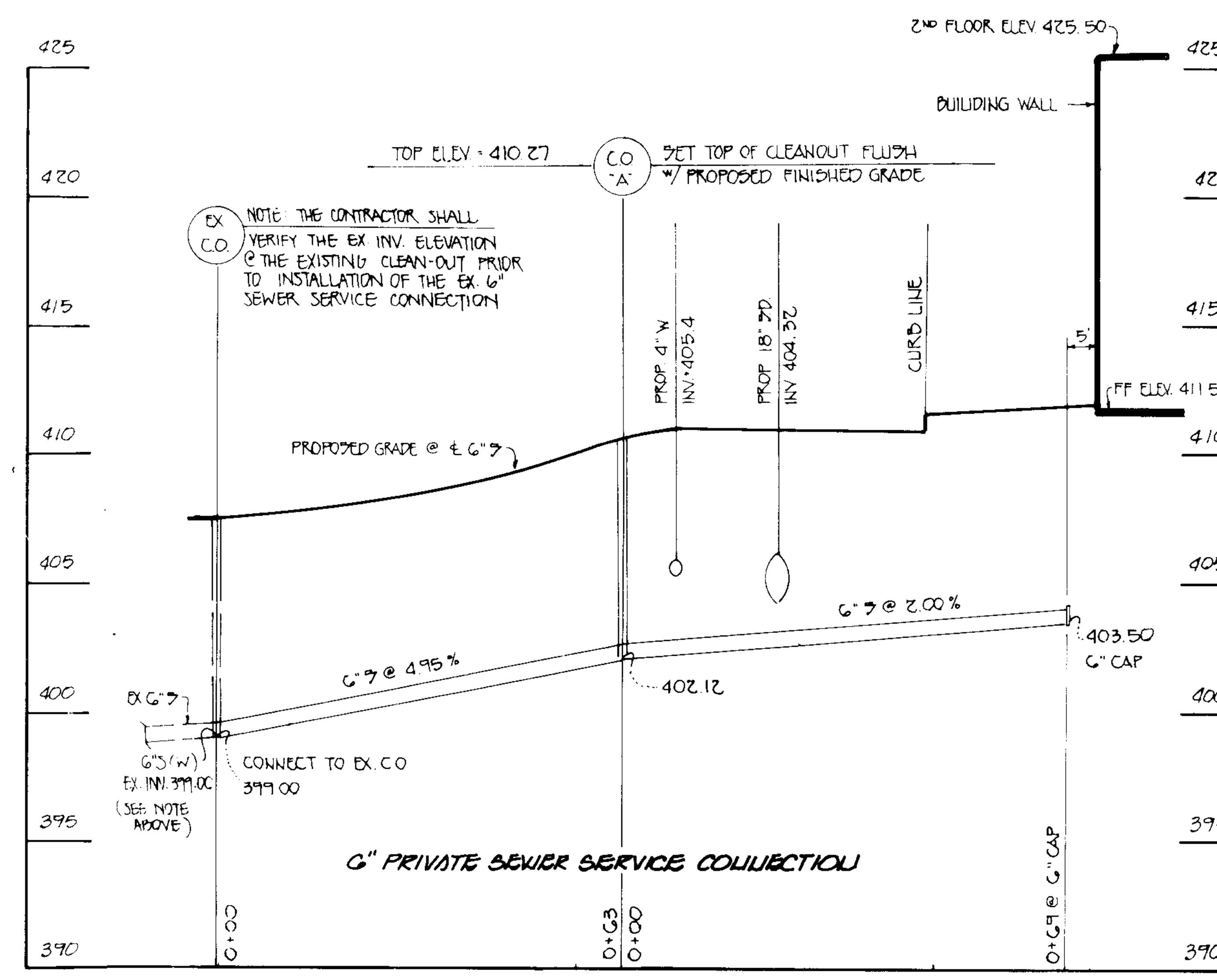
NOT TO SCALE

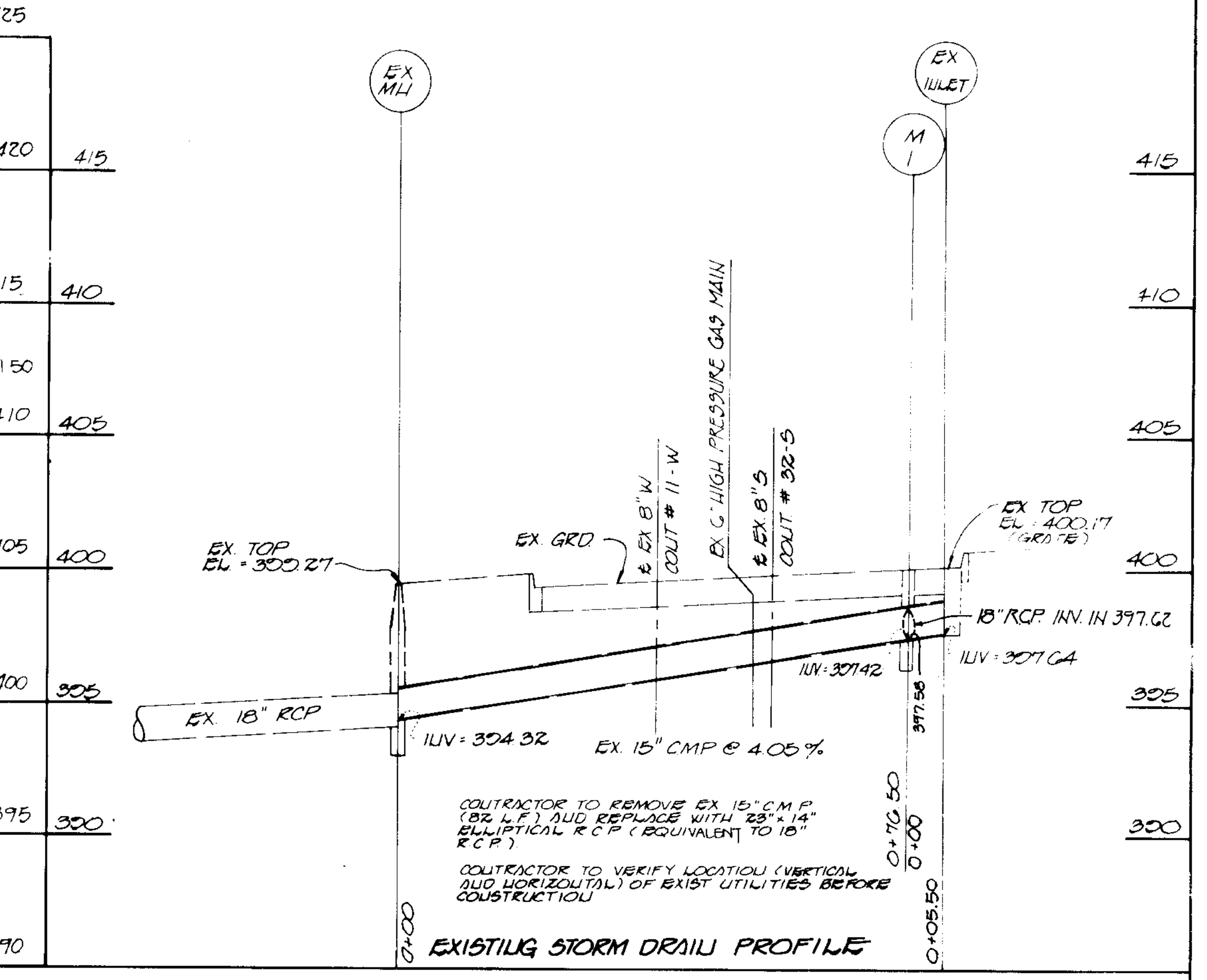




DRAW DOWN PIPE

NOT TO SCALE





OWNER/DEVELOPER
MR. DONALD R. REUWER, JR.
c/o LAND DESIGN AND DEVELOPMENT, INC.
10805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

OWNER/DEVELOPER
MR. RICHARD J. DEMMITT
c/o HIGHLAND DEVELOPMENT CORP.
P.O. BOX 208
CLARKSVILLE, MARYLAND 21029

PROFILES

SCALE: HOR: 1"=20'
VER: 1"=5'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

ENGINEER'S CERTIFICATE

I HEREBY 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 OF ENGINEER — DATE 11/1/94

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 PERODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER — DATE 11/1/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE 2/1/95

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

DISTRICT
HOWARD SOIL CONSERVATION DISTRICT — DATE 2/1/95

APPROVED: DEPT. OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 3/8/95

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — DATE 3/7/95

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER — DATE 3/3/95

APPROVED: DEPARTMENT OF PUBLIC WORKS. FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS — DATE 2/22/95

CHIEF, BUREAU OF ENGINEERING @ 2/22/95 — DATE 2/22/95

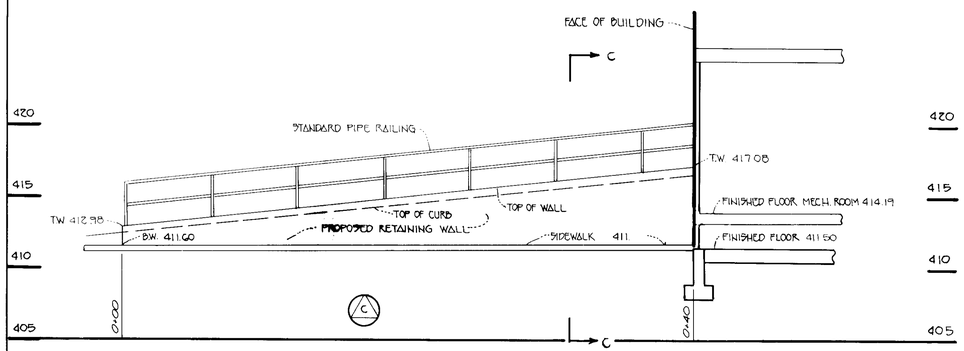
PROPERTY/SUBDIVISION			SECTION/AREA	PARCEL	
ST. JOHNS STATION			—	39	
~~PLAT NO.~~/LF.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
2015 / 526	5	B-1	24	2ND	6022
WATER CODE F- F06			SEWER CODE 1403700		

DETAIL SHEET

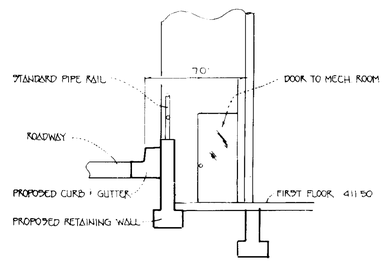
ST. JOHNS STATION

TAX MAP 24 LIBER 2015, FOLIO 526 PARCEL 39
2ND ELECTION DIST HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: SEPTEMBER 1994
SHEET NO. 6 OF 8

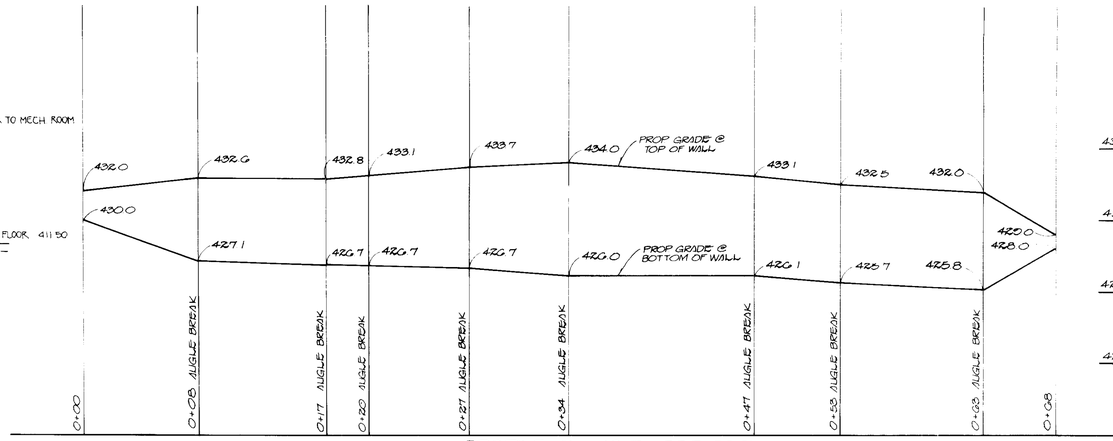
SDP-94-79



SCALE: HOR 1"=5'
VER 1"=5'

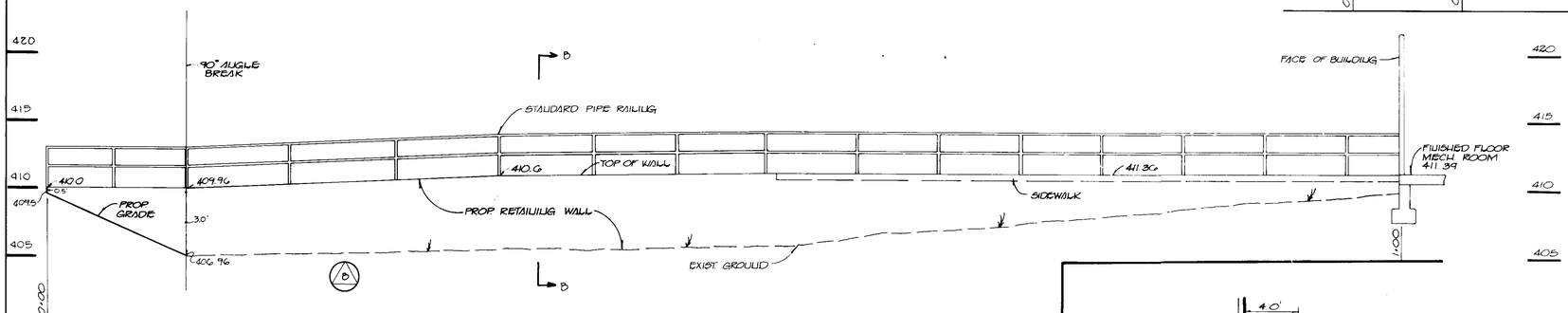


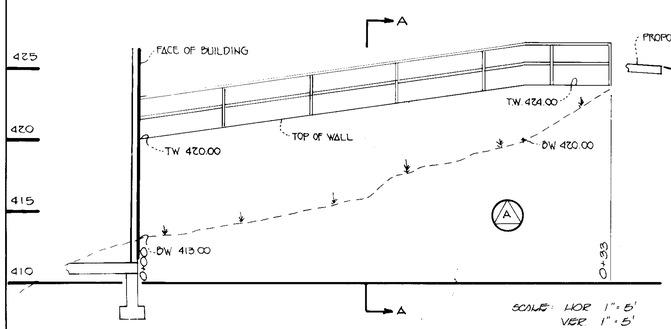
SECTION 'C-C'



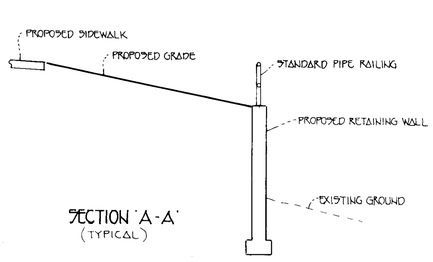
PROFILE ALONG TIMBER RETAINING WALL

SCALE: HOR 1"=5'
VER 1"=5'

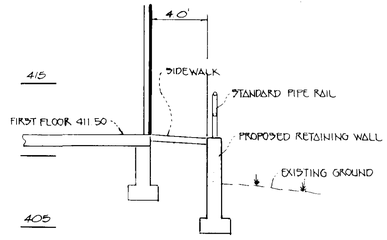




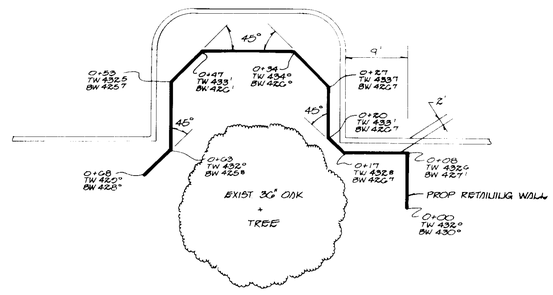
SCALE: HOR 1"=5'
VER 1"=5'



SECTION 'A-A'
(TYPICAL)

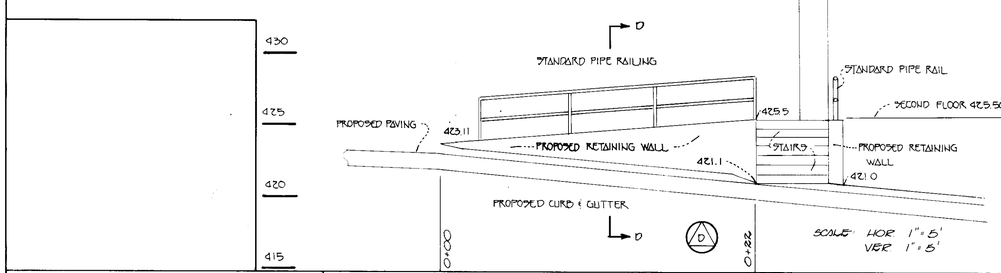


SECTION 'B-B'
(TYPICAL)

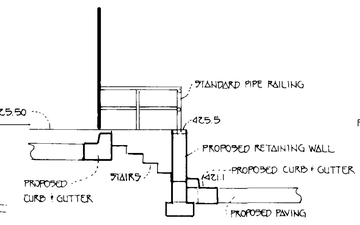


TIMBER RETAINING WALL

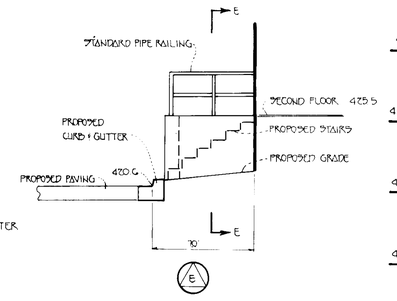
SCALE: 1"=10'

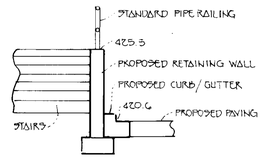


SCALE: HOR 1"=5'
VER 1"=5'



SECTION D-D'





SECTION 'E-E'

OWNER / DEVELOPER

MR. RICHARD J. DEMMITT
% HIGHLAND DEVELOPMENT CORP.
P.O. BOX 208
CLARKSVILLE, MARYLAND 21029

MR. DONALD R. REUWER JR.
% LAND DESIGN AND DEVELOPMENT, INC.
10805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

ENGINEER'S CERTIFICATE

I HEREBY 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 OF ENGINEER — DATE 10/1/94

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER — DATE 10/1/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

USS SOIL CONSERVATION SERVICE — DATE 2/1/95

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

DISTRICT
HOWARD SOIL CONSERVATION DISTRICT — DATE 2/1/95

APPROVED: DEPT. OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 3/8/95

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — DATE 3/7/95

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER — DATE 3/3/95

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS — DATE 2/22/95

CHIEF, BUREAU OF ENGINEERING — DATE 2/22/95

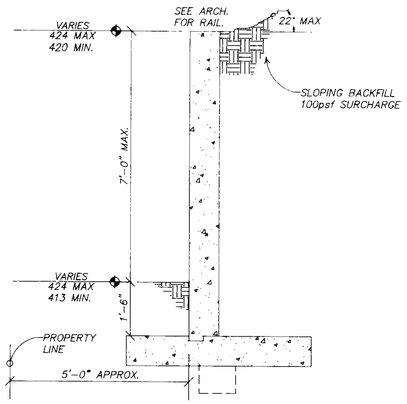
PROPERTY/SUBDIVISION			SECTION/AREA		PARCEL/LOT NO.
ST. JOHNS STATION					39
~~PLAT NO~~/L.F.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST	CENSUS TR.
2015/526	5	PD-1	24	2ND	6022
WATER CODE	F06	SEWER CODE	1408700		

TYPICAL RETAINING WALL PROFILES & CROSS SECTION

ST. JOHNS STATION

TAX MAP 24 LIBER 2015, FOLIO 526 PARCEL 39
2ND ELECTION DIST HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: SEPTEMBER, 1994
SHEET NO 7 OF 8

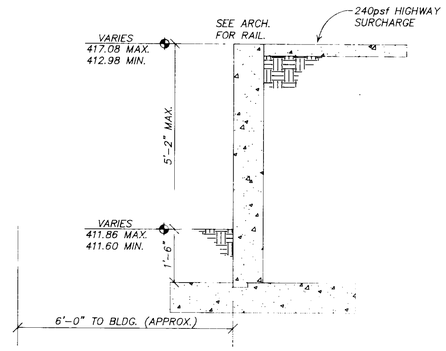
SDP 94-79



WALL A

SCALE: 1/2"=1'-0"

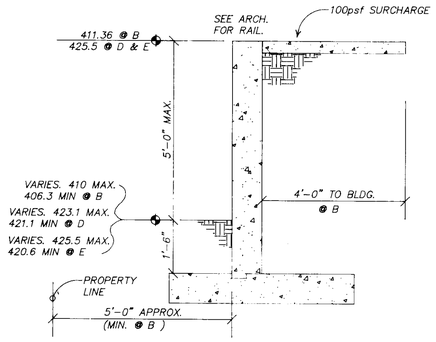
A / S1



WALL C

SCALE: 1/2"=1'-0"

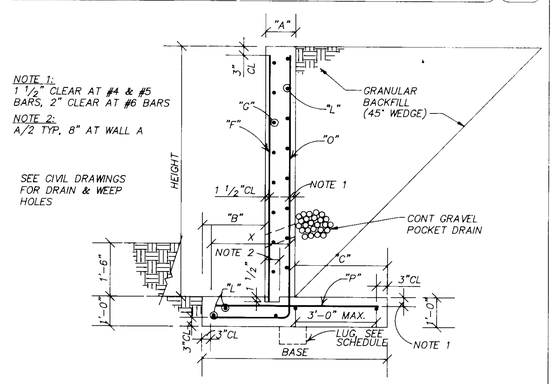
C / S1



WALL B, D & E

SCALE: 1/2"=1'-0"

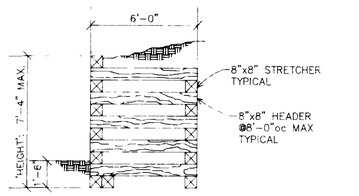
B / S1



TYPICAL RETAINING WALL DETAIL

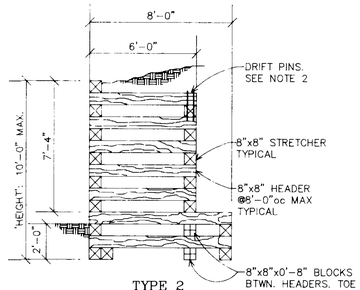
SCALE: 1/2"=1'-0"

D / S1



TYPE 1

MAXIMUM HEIGHT = 7'-4"



TYPE 2

MAXIMUM HEIGHT = 10'-0"

NOTES FOR BOTH TYPE 1 AND TYPE 2 RETAINING WALLS

1) ALL TIMBERS TO BE 8"x8" SOUTHERN PINE #2 PRESSURE TREATED TIMBERS. ALL FABRICATION, ERECTION, OTHER PROCEDURES, AND MIN. UNIT STRESSES SHALL CONFORM TO THE CURRENT "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION".
2) PROVIDE 4- 3/4"ø GALVANIZED DRIFT PINS @ INTERSECTION OF ALL HEADERS AND STRETCHERS. DRIFT PINS TO BE OF SUFFICIENT LENGTH TO PENETRATE THRU 2 MEMBERS AND 4" MIN. INTO THE THIRD MEMBER. DRIFT PIN HOLES TO BE 3/4"ø. PROVIDE 2" EDGE DISTANCE FOR ALL PINS. PROVIDE 3/8" GAP @ ALL BUTT JOINTS.

TIMBER RETAINING WALL

SCALE: 1/4"=1'-0"

E / S1

F. DO NOT BACKFILL AGAINST WALLS UNTIL THE WALLS HAVE BEEN PROPERLY CURED AND THE CONCRETE HAS ATTAINED THEIR FULL 28 DAY STRENGTH.

G. ALL WORK SPECIFIED HEREIN SHALL BE INSPECTED IN ACCORDANCE WITH THE BUILDING CODE AND ALL LOCAL ORDINANCES. THE OWNER OR CONTRACTOR (SEE SPECIFICATIONS) SHALL HIRE AN EXPERIENCED, QUALIFIED INSPECTOR TO PERFORM ALL THE REQUIRED INSPECTION WORK. McCORMAC ENGINEERING ASSOCIATES (THE ENGINEER) WILL NOT PERFORM THE REQUIRED INSPECTION AS A PART OF THEIR DESIGN SERVICE. THE ENGINEER MAY VISIT THE SITE TO ASCERTAIN GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. SUCH SITE VISITS ARE NOT TO BE CONSTRUED AS MEETING ANY INSPECTION REQUIREMENTS UNLESS THE ENGINEER SPECIFICALLY SO STATES IN WRITING.

H. ALL RAILINGS SHALL BE DESIGNED FOR ALL APPLICABLE DEAD LOADS AND FOR ALL LIVE, WIND, AND SEISMIC LOADS AS SPECIFIED IN THE LOCAL BUILDING CODE.

2. SHOP DRAWINGS

A. ANY REVIEW OF STRUCTURAL ITEM SHOP DRAWINGS BY McCORMAC ENGINEERING ASSOCIATES (THE ENGINEER) IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AS PRESENTED BY THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF QUANTITIES OR DIMENSIONS WILL BE MADE.

B. AT THE TIME OF SHOP DRAWING SUBMISSION, THE GENERAL CONTRACTOR SHALL STATE IN WRITING ANY DEVIATIONS OR OMISSIONS FROM THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS BEFORE SUBMISSION AND MAKE ALL CORRECTIONS AS HE DEEMS NECESSARY AND SHALL CERTIFY ON EACH DRAWING AS FOLLOWS:

"I CERTIFY THAT THE CONTRACT DOCUMENT REQUIREMENTS HAVE BEEN MET AND ALL DIMENSIONS, CONDITIONS, AND QUANTITIES ARE VERIFIED AS SHOWN AND/OR AS CORRECTED ON THIS DRAWING.

SIGNED:.....
(FOR GENERAL CONTRACTOR)

C. SUBMIT SHOP DRAWINGS FOR SPECIFIC AREAS IN THEIR ENTIRETY. SUBMIT A SUITABLE NUMBER OF COPIES OF SHOP DRAWINGS SO THAT McCORMAC ENGINEERING ASSOCIATES WILL RECEIVE ONE REPRODUCIBLE AND TWO BLUELINE PRINTS. THE REPRODUCIBLE AND ONE PRINT WILL BE RETURNED AFTER REVIEW.

D. ALL CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS MUST BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS MUST BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. THE REVIEW OF THE RE-SUBMITTALS WILL BE LIMITED TO THOSE ITEMS CAUSING THE RE-SUBMISSION.

E. THE STRUCTURAL CONTRACT DOCUMENTS ARE NOT TO BE REPRODUCED FOR USE AS SHOP DRAWINGS.

F. SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED BY THE GENERAL CONTRACTOR. IF A CONTRACTOR OR OWNER FAILS TO SUBMIT THE SHOP DRAWINGS, McCORMAC ENGINEERING ASSOCIATES WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL CERTIFICATION OR FOR THE DESIGN OF THE PROJECT.

3. FOUNDATIONS

A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE LOCATION OF ANY UTILITIES IN THE VICINITY OF CONSTRUCTION SO AS TO PREVENT DAMAGE TO THE UTILITIES AND/OR ANY CONSEQUENTIAL DAMAGES. SHOULD ANY SUCH DAMAGE OCCUR THE CONTRACTOR SHALL BE REQUIRED TO REPAIR SUCH DAMAGE AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER.

B. WALLS HAVE BEEN DESIGNED TO PRODUCE FOOTINGS CONFORMING TO THE ALLOWABLE BEARING PRESSURES INDICATED IN THE GEOTECHNICAL REPORT SUBMITTED BY ITE, INC. DATED 6 JANUARY 1994. THE REQUIRED SOIL BEARING CAPACITY IS 4,000 PSF. FOOTINGS SHALL BEAR ON NATURAL UNDISTURBED SOIL, 1'-0" BELOW ORIGINAL GRADE OR CONTROLLED STRUCTURAL FILL. THE BOTTOM OF FOOTINGS SHALL BE 2'-6" BELOW FINISHED GRADE ON THE LOW SIDE OF THE WALL. CONTRACTOR SHALL HIRE A MARYLAND LICENSED GEOTECHNICAL ENGINEER TO VERIFY THE ALLOWABLE SOIL PRESSURE IN THE FIELD. IF FOUND TO BE LESS THAN 4,000 PSF, THE WALLS WILL HAVE TO BE REDESIGNED.

C. SLABS FOR SIDEWALKS AND PAVEMENTS AND FILL UNDER THESE ELEMENTS ARE NOT PART OF THIS DESIGN. REFER TO THE CIVIL ENGINEER'S DRAWINGS.

4. CAST IN PLACE CONCRETE

A. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST APPROVED (BY LOCAL GOVERNMENT) EDITIONS OF THE FOLLOWING A.C.I. AND A.S.T.M. DOCUMENTS:

ACI-301	SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS
ACI-302.1R	FLOOR AND SLAB CONSTRUCTION
ACI-318	BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
ACI-214	COMPRESSION TESTS
ACI-306	COLD WEATHER
ACI-315	DETAILING
ACI-347	FORMWORK
ACI-305	HOT WEATHER
ACI-211	PROPORTIONS OF CONCRETE
ACI-304	PLACING CONCRETE
ACI-ASCE/423	UNBONDED TENDONS
ASTM C94	READY-MIX CONCRETE

B. ALL FIELD AND LAB TESTING OF CONCRETE SHALL CONFORM TO THE LATEST APPROVED (BY LOCAL GOVERNMENT) EDITIONS OF ASTM:

ASTM C31	FIELD CYLINDER SPECIMENS
ASTM C143	SLUMP TEST
ASTM C231	AIR CONTENT (WHEN REQUIRED)
ASTM C39	LAB TESTING CYLINDERS
ASTM C172	SAMPLING FRESH CONCRETE
ASTM C42	HARDENED CORES (WHEN REQUIRED)

UPON COMPLETION OF CONCRETE TESTING, THE AGENCY SHALL CERTIFY THEIR RESULTS AS FOLLOWS:

"I CERTIFY THAT THE FIELD AND LAB TESTING CONFORMS TO THE ASTM DOCUMENTS AND GOOD PRACTICE.

SIGNED.....P.E.
(FOR AGENCY)"

C. ALL CONCRETE, EXCEPT AS NOTED, SHALL BE (F'C=3,000 PSI) STONE AGGREGATE CONCRETE AT 28 DAYS. ALL CONCRETE SHALL BE AIR ENTRAINED.

D. AT INTERVALS NOT EXCEEDING 25 FEET, PROVIDE WEAKENED PLANE CONTROL JOINTS FULL HEIGHT OF THE STEM. AT THESE JOINTS, STOP ALTERNATE HORIZONTAL BARS (EACH FACE) SO THAT ONLY ALTERNATE HORIZONTAL BARS CONTINUE THROUGH THE JOINT. THE JOINT MAY BE FORMED OR SAW CUT AT THE PROPER TIME LATER. THE JOINTS SHALL BE SEALED WITH APPROPRIATE CAULKING MATERIAL.

E. ALL FORMWORK SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE "FORMWORK FOR CONCRETE", SPECIAL PUBLICATION NO. 4 AND ACI'S "STANDARD RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" (ACI-347, LATEST LOCAL APPROVED EDITION).

5. REINFORCING STEEL

A. EXCEPT AS NOTED, ALL REINFORCING SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO ASTM DESIGNATION A-615 (LATEST LOCAL APPROVED EDITION), GRADE 60. ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE ACI'S "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" (ACI 315, LATEST LOCAL APPROVED EDITION).

B. BEND HORIZONTAL WALL REINFORCING 1'-0" MINIMUM AROUND ALL CORNERS OR PROVIDE 4'-0" LONG CORNER BARS TO MATCH HORIZONTAL REINFORCING.

C. UNLESS OTHERWISE NOTED IN STRUCTURAL DRAWINGS, PROVIDE CONCRETE PROTECTION FOR REINFORCING AS FOLLOWS:

CAST AGAINST EARTH	3"
EXPOSED TO EARTH OR WEATHER:	
NO. 6 AND LARGER BARS	2"
NO. 5 AND SMALLER BARS	1-1/2"

CONCRETE RETAINING WALL SCHEDULE

WALL TYPE	MAX HEIGHT (ft.)	BASE	B	A	C	REINFORCEMENT						LUG REQ'D
						0-BARS		F-BARS	P-BARS	L-BARS	G-BARS	
						SIZE/ SPACING	X	SIZE/ SPACING	SIZE/LENGTH/ SPACING	SIZE/ SPACING	SIZE/ SPACING	
A	4'-0"	5'-0"	1'-6"	1'-0"	2'-6"	#4@9	2'-1"	#4@18	#4@9x4'-6"	#4@18	#4@12	NONE
A	8'-6"	8'-0"	2'-6"	1'-0"	4'-6"	#6@6	3'-1"	#4@18	#6@6x7'-6"	#4@18	#4@12	12"x16"DP
B,D,E	4'-0"	3'-4"	1'-0"	0'-10"	1'-6"	#4@9	1'-5"	#4@18	#4@9x2'-6"	#4@18	#4@12	NONE
B,D,E	6'-7"	4'-4"	1'-0"	0'-10"	2'-6"	#4@9	1'-5"	#4@18	#4@9x3'-10"	#4@18	#4@12	NONE
C	4'-0"	4'-0"	1'-0"	1'-0"	2'-0"	#4@9	1'-7"	#4@18	#4@9x3'-6"	#4@18	#4@12	NONE
C	6'-8"	5'-0"	1'-6"	1'-0"	2'-6"	#4@9	2'-1"	#4@18	#4@9x4'-6"	#4@18	#4@12	NONE

1. GENERAL

A. ALL CONSTRUCTION SHALL CONFORM WITH THE PROVISIONS OF THE BOCA NATIONAL BUILDING CODE/1990 AND ITS SUPPLEMENTS AND ANY ADDITIONAL SUPPLEMENTS ADOPTED BY HOWARD COUNTY, MARYLAND.

B. RETAINING WALL DESIGN LOADS:

THE RETAINING WALLS SHOWN ON THIS SHEET HAVE BEEN DESIGNED ASSUMING THAT THE BACKFILL MATERIAL WILL HAVE THE FOLLOWING PROPERTIES:

A GRANULAR, NON-COHESIVE MATERIAL PRODUCING A TRIANGULAR PRESSURE DIAGRAM Ka = .35 MAXIMUM; A CORRESPONDING Kp = 2.85
UNIT WEIGHT = 120 PCF; EQUIVALENT FLUID PRESSURE = 42 PCF
COEFFICIENT OF FRICTION, SOIL TO CONCRETE FOOTING = .50 (WITHOUT SF)

THE EXISTING GEOTECHNICAL REPORT BY ITE, INC., BALTIMORE MARYLAND DATED 6 JANUARY 1994 DOES NOT EVALUATE THE ON-SITE SOILS FOR USE AS A BACKFILL MATERIAL BEHIND THE SITE RETAINING WALLS. THEREFORE THE ON-SITE SOIL MAY NOT BE SUITABLE FOR BACKFILL BEHIND THE RETAINING WALLS. THE SERVICES OF A MARYLAND LICENSED GEOTECHNICAL ENGINEER SHALL BE OBTAINED TO SELECT A SUITABLE GRANULAR BACKFILL MATERIAL SUCH THAT THE ASSUMED PRESSURES FOR WHICH THE WALLS HAVE BEEN DESIGNED WILL NOT BE EXCEEDED.

WALLS A, B, D, AND E HAVE BEEN DESIGNED FOR A SURCHARGE LOAD APPLIED AT THE UPPER SOIL SURFACE OF 100 PSF. WALL C HAS BEEN DESIGNED FOR A HIGHWAY SURCHARGE LOAD OF 240 PSF.

ALL WALLS HAVE BEEN DESIGNED TO SUSTAIN A HORIZONTAL LOAD OF 50 POUNDS PER FOOT (OR A SINGLE CONCENTRATED LOAD OF 200 POUNDS) APPLIED AT THE TOP OF A 3'-6" TALL RAILING MOUNTED ON TOP OF THE WALLS. THE WALLS HAVE NOT BEEN DESIGNED FOR ANY OTHER IMPACT LOADS APPLIED TO THE RAILINGS (FOR EXAMPLE FROM CARS OR TRUCKS).

THE WALLS HAVE BEEN DESIGNED FOR THE DIFFERENCES IN GRADE SHOWN ON THE CIVIL ENGINEER'S DRAWINGS AND SUMMARIZED HEREIN. SHOULD THE GRADE DIFFERENCES EXCEED THE MAXIMUMS INDICATED ON THIS SHEET, NOTIFY McCORMAC ENGINEERING ASSOCIATES IN ORDER THAT THE WALL(S) MAY BE REDESIGNED.

C. ALL STRUCTURAL COMPONENTS HAVE BEEN DESIGNED FOR THE DEAD LOADS SHOWN ON THE PLANS AND THE LIVE LOADS SHOWN ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF THOSE ITEMS NECESSARY TO FACILITATE CONSTRUCTION INCLUDING BUT NOT LIMITED TO FALSEWORK, FORMWORK, STAGING, BRACING, SHEETING AND SHORING, ETC.

D. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING WORK PRIOR TO FABRICATION OF ANY NEW MATERIALS. THE CONTRACTOR SHALL COORDINATE WITH ALL NEW AND EXISTING UTILITIES.

E. LOADS GREATER THAN THE DESIGN LIVE LOADS SHALL NOT BE PLACED ON THE STRUCTURE. A CONCRETE STRUCTURE MAY NOT SUPPORT ITS DESIGN LIVE LOADS FOR 28 DAYS. CONTRACTOR SHALL SUPPORT ADJACENT STRUCTURES, UTILITIES, AND EXCAVATIONS.

Michael Stephen McCormac
No. 7713
REGISTERED PROFESSIONAL ENGINEER
STATE OF MARYLAND

2/20/94

McCORMAC ENGINEERING ASSOCIATES
STRUCTURAL ENGINEERS
8289 MAIN STREET SUITE 202
ELLICOTT CITY, MARYLAND 21043
(410)750-3902 FAX (410)750-0678
PROJECT # 94054

OWNER
MR. RICHARD J. DEMMITT
% HIGHLAND DEVELOPMENT CORP
P.O BOX 208
CLARKSVILLE, MARYLAND 21029

DEVELOPER
MR. DONALD R. REUWER JR.
% LAND DESIGN AND DEVELOPMENT INC.
10805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21044

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

ENGINEER'S CERTIFICATE

I HEREBY 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 OF ENGINEER — DATE 1/1/94

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER — DATE 1/1/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE 2/1/95

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

DISTRICT
HOWARD SOIL CONSERVATION DISTRICT — DATE 2/1/95

APPROVED: DEPT. OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 3/8/95

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 3/7/95

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER — DATE 3/3/95

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS — DATE 2/22/95

CHIEF, BUREAU OF ENGINEERING — DATE 2/22/95

PROPERTY/SUBDIVISION			SECTION/AREA	PARCEL/LOT NO.
ST JOHNS STATION			—	39
~~PLAT NO./LF.~~	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
2015/526	5	R-1	24	24	6022
WATER CODE	F06		SEWER CODE	1403700	

RETAINING WALL DETAILS

ST JOHNS STATION

TAX MAP 24 LIBER 2015 FOLIO 526 PARCEL 39
2ND ELECTION DIST. HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: SEPTEMBER 1994
SHEET 8 OF 8

SDP 94-79