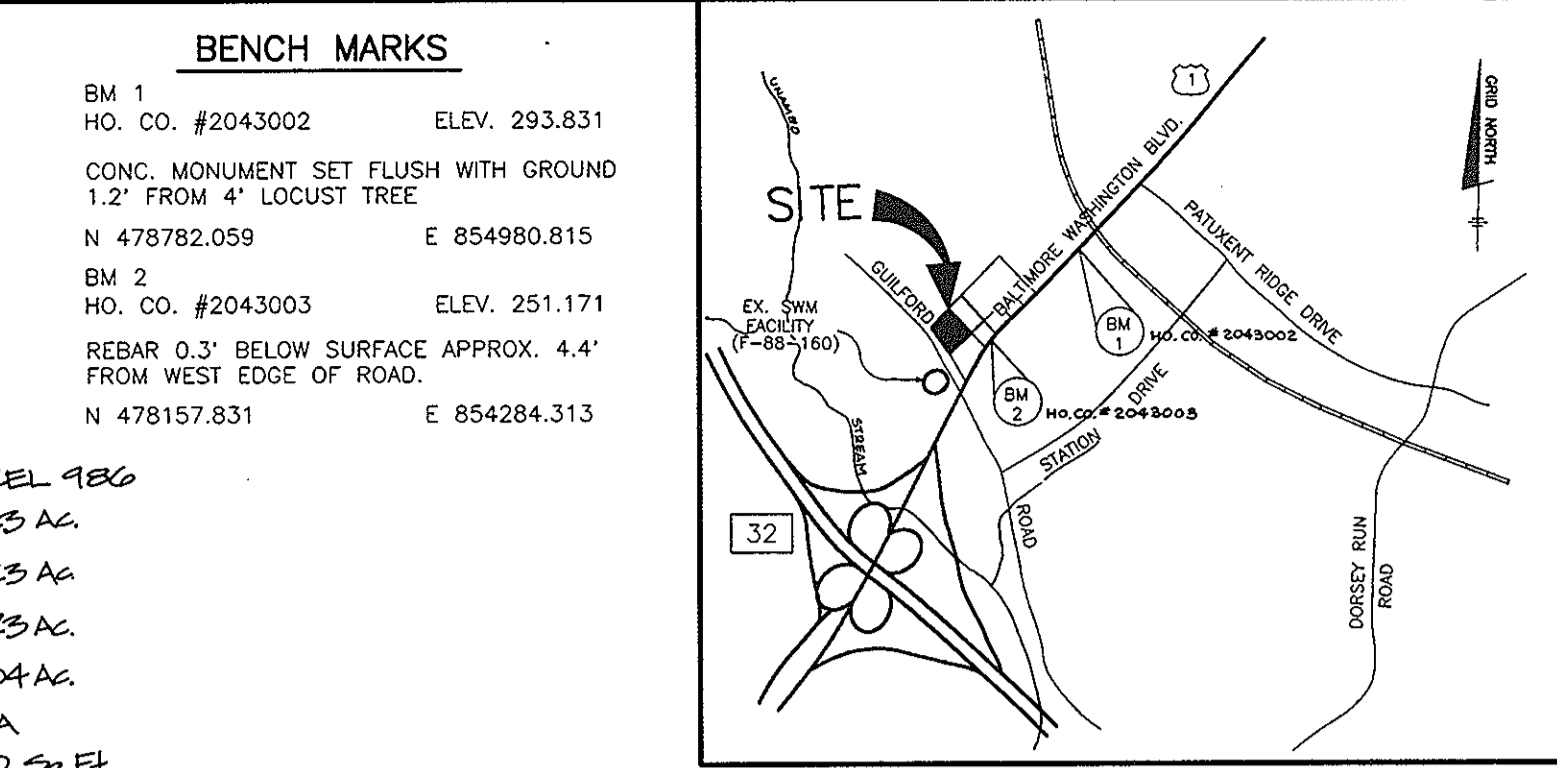


SHEET INDEX	
SHEET NO.	TITLE
1	SITE DEVELOPMENT PLAN
2	DRAINAGE AREA, SEDIMENT AND EROSION CONTROL PLAN
3	DETAILS AND PROFILES

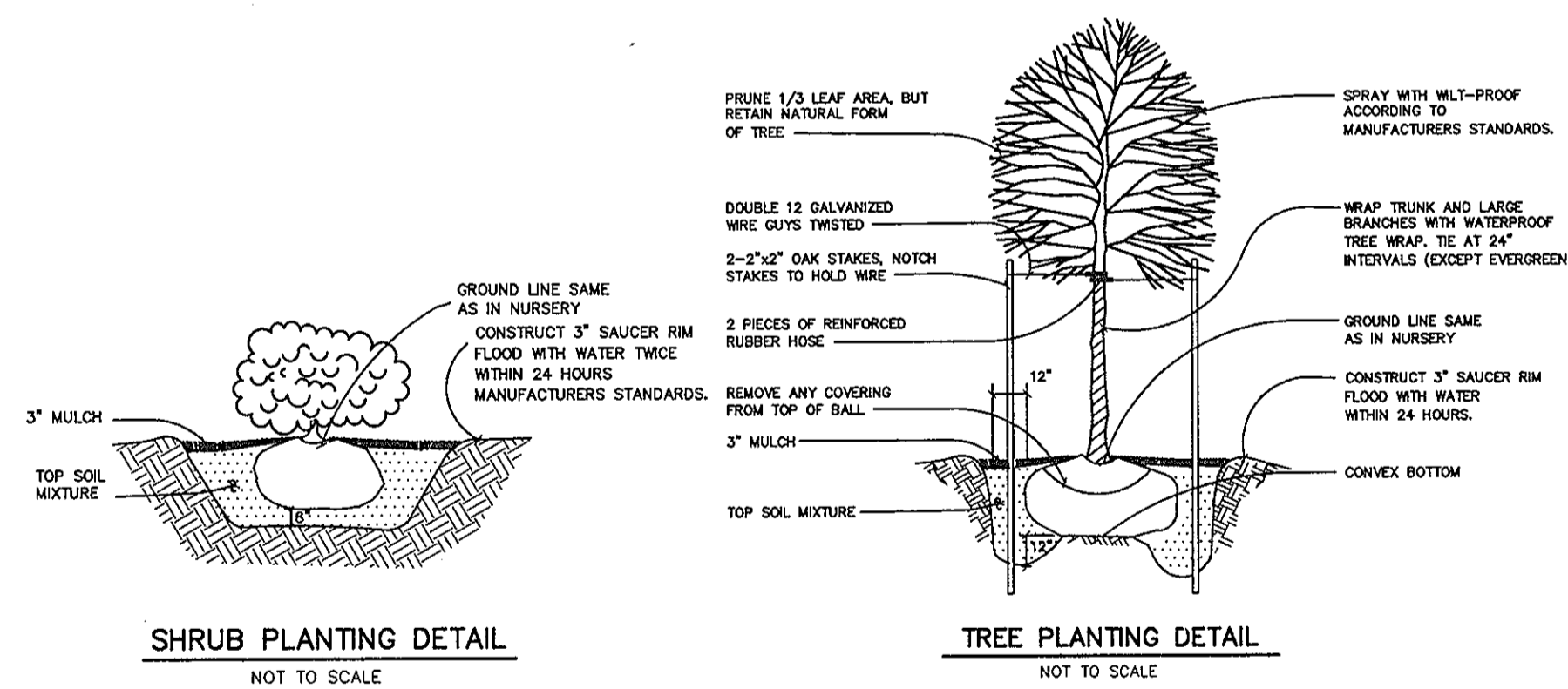
SITE DATA TABULATION	
GENERAL SITE DATA	
1.) PRESENT ZONING:	B-2
2.) APPLICABLE DPZ FILE REFERENCES:	S-87-55, P-88-17, F-88-160, F-91-12, WP-91-12
3.) PROPOSED USE OF SITE:	DAY CARE FACILITY
4.) PROPOSED WATER AND SEWER SYSTEMS:	X PUBLIC
AREA TABULATION	
1.) TOTAL PROJECT AREA:	0.936 AC.
2.) NET AREA OF SITE:	0.936 AC.
3.) AREA OF THIS PLAN SUBMISSION:	0.936 AC.
4.) APPROXIMATE LIMIT OF DISTURBANCE:	0.91 AC.
5.) BUILDING COVERAGE OF SITE (PERMITTED):	N/A (00%)
6.) BUILDING COVERAGE OF SITE (PROPOSED):	6400 SQ.FT.
UNIT/LOT TABULATION	
1.) TOTAL NUMBER OF RESIDENTIAL UNITS/LOTS ALLOWED FOR PROJECT:	N/A
2.) TOTAL NUMBER OF RESIDENTIAL UNITS/LOTS PROPOSED ON THIS SUBMISSION:	N/A
3.) DENSITY OF PROJECT PER NET ACRE:	0.0 AC.
4.) TOTAL NUMBER OF NON-RESIDENTIAL LOTS/PARCELS ON THIS SUBMISSION:	1
5.) OVERALL TOTAL NUMBER OF LOTS/PARCELS PROPOSED ON THIS SUBMISSION:	1
OPEN SPACE DATA	
1.) OPEN SPACE ON SITE (0.0%):	N/A
2.) AREA OF RECREATION OPEN SPACE REQUIRED BY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS:	N/A
ACRES REQUIRED:	N/A
ACRES PROVIDED:	N/A
PARKING SPACE DATA	
1.) FLOOR SPACE ON EACH LEVEL PER BUILDING(S) DAY CARE FACILITY:	6400 SF
2.) NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND/OR FDP CRITERIA: DAY CARE FACILITY 3 SPACES/1000 SF x 6400 SF:	20 SPACES
3.) TOTAL NUMBER OF PARKING SPACES ON SITE: EXISTING PARKING SPACES: 20 SPACES PROPOSED PARKING SPACES IN RETAIL LOT: 27 SPACES TOTAL PARKING FOR SITE: 47 SPACES	
4.) NUMBER OF HANDICAPPED PARKING SPACES PROVIDED ON-SITE: (IF TOTAL SPACES PROVIDED IS BETWEEN 26 TO 50 A MINIMUM OF 2 SPACES REQUIRED)	2 SPACES



- CONSTRUCTION NOTES**
- CONSTRUCT STANDARD 7" COMB. CURB AND GUTTER (HO. CO. STD. R-3.01)
 - CONSTRUCT REVERSE 7" COMB. CURB AND GUTTER (SEE DETAIL)
 - CONSTRUCT MONOLITHIC CURB AND GUTTER (HO. CO. STD. R-3.07)
 - CONSTRUCT CONCRETE SIDEWALK (HO. CO. STD. R-3.05)
 - CONSTRUCT P-1 PAVEMENT SECTION (HO. CO. STD. R-2.01)
 - PAINT HANDICAP SYMBOL - WHITE
 - CONSTRUCT HANDICAP RAMP, SEE DETAIL SHEET 3
 - PAINT 4" WIDE SOLID STRIPE - WHITE
 - CONSTRUCT DUMPSTER SERVICE PAD (HO. CO. STD. R-11.01 & R-11.02)
 - CONSTRUCT DUMPSTER SERVICE PAD ENCLOSURE, SEE DETAIL
 - 100 WATT METAL HALIDE LIGHT ON 20' POLE
 - BUILDING TO HAVE 1/16" H.B. METRIC SETTING, INSTALL 3" METRIC AND DETECTOR CHECK.
 - INSTALL 6' LONG PRECAST CONCRETE WHEEL STOPS

GENERAL NOTES	
1)	ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
2)	THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO 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)	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.
5)	ALL PLAN DIMENSIONS ARE TO THE FACE OF THE CURB UNLESS OTHERWISE NOTED. ALL CURB RADI TO BE 5' UNLESS OTHERWISE NOTED.
6)	THE TOPOGRAPHY SHOWN HEREON IS FIELD RUN AT 2 FOOT INTERVALS PERFORMED BY TSA GROUP, INC. ON OR ABOUT DECEMBER 27, 1995.
7)	HORIZONTAL AND VERTICAL DATUM USED HEREON IS FROM HOWARD COUNTY GEODETIC CONTROL POINTS 2043002 AND 2043003.
8)	WATER AND SEWER FOR THIS PROJECT IS PUBLIC CONTRACT NO. 24-1744-D & 24-1507-D.
9)	STORMWATER MANAGEMENT FOR THIS SITE WAS PROVIDED UNDER F-88-160.
10)	EXISTING UTILITIES SHOWN HEREON ARE FROM CONTRACT DRAWINGS AND ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
11)	ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
12)	NO WETLANDS EXIST ON THIS SITE.
13)	A TRAFFIC STUDY WAS COMPILED BY LEE CUNNINGHAM & ASSOCIATES, INC. DATED JANUARY, 1996.
14)	BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM.
15)	ZONING BOARD CASE 23-164M WAS HEARD AND APPROVED JUNE 13, 1997 TO CHANGE THE ZONING OF THE 0.23 AC. PARCEL OF LAND TO B-2 TO ALLOW FOR THE PLAY AREA SHOWN.

NO PLAY EQUIPMENT WHICH MEETS THE DEFINITION OF A STRUCTURE AS DEFINED IN SECTION 103.A.133 OF THE HOWARD COUNTY ZONING REGULATIONS SHALL BE INSTALLED IN THIS AREA.



NO.	DATE	REVISION
3	1-17-97	ADD PLAY AREA AT WEST END OF BUILDING
REVISIONS (CONT.)		
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING		
		4/10/96 DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION, CHARLES DAMMERS		
		5/7/96 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH, GINA TIRINNANZI		
		5/8/96 DATE
DIRECTOR, JOSEPH RUTTER, JR.		

NO.	DATE	REVISION
1	12/30/96	RELOCATION OF 4" D.I.P. WHC
2	3-13-97	LOWER FF ELEV, REMOVE CONC. C&G, REMOVE HC RAMP, ADD WHEEL STOPS, REVISE GRADES

TSA GROUP, INC.
 planning • architecture • engineering • surveying
 8480 Baltimore National Pike • Ellicott City, Maryland 21045 • (410) 495-6105

OWNER: BEVARD FARM CORPORATION
 8480 BALTIMORE NATIONAL PIKE SUITE 415
 ELLICOTT CITY, MARYLAND 21043

DEVELOPER: BEVARD FARM CORPORATION
 8480 BALTIMORE NATIONAL PIKE SUITE 415
 ELLICOTT CITY, MARYLAND 21043

PROJECT: COLUMBIA JUNCTION SECTION 2 AREA 1 - PARCEL G-2

LOCATION: TAX MAP 47 BLOCK 6 PARCEL 548 & 126
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: SITE DEVELOPMENT PLAN
 F-88-160 F-91-12 P-88-17 S-87-55 WP-91-12

DATE: JANUARY 23, 1996
 FEBRUARY 29, 1996

PROJECT NO.: 0885

SCALE: AS SHOWN

DRAWING: 1 OF 3

Design: GWF Draft: JR/JCO

SCHEDULE 'A' PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO PERIMETER PROP.	ADJACENT TO ROADWAY
LANDSCAPE TYPE	(1) C	(2) E (3) B
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	144	108 95
CREDIT FOR EXISTING VEGETATION	NO	NO NO
CREDIT FOR WALL, FENCE OR BERM	NO	NO NO
NUMBER OF PLANTS REQUIRED		
SHADE TREES	4	3 2
EVERGREEN TREES	7	- 2
SHRUBS	-	27 -
NUMBER OF PLANTS PROVIDED		
SHADE TREES	4	3 1
EVERGREEN TREES	7	- 4
OTHER TREES	-	27 -
SHRUBS	-	-

LANDSCAPE NOTES:

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$2,400.00.

PLANT LIST

KEY	NAME	QUANTITY	SIZE	ROOT	SPACING
Qo	QUERCUS ACUTISSIMA (SAWTOOTH OAK)	4	2 1/2" CAL.	B & B	AS SHOWN
EO	EUONYMUS ALATUS (WINGED EUONYMUS)	27	2'-2 1/2' HEIGHT	-	5' O.C.
Cv	CRATAEGUS VIRIDUS (WINTER GREEN HAWTHORNE)	6	2 1/2" CAL.	B & B	AS SHOWN
Pt	PINUS THUNBERGIANA (JAPANESE BLACK PINE)	11	4'-6" HEIGHT	B & B	AS SHOWN

SCHEDULE 'B' PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES PROVIDED	NUMBER OF SHADE TREES REQUIRED	NUMBER OF SHADE TREES PROVIDED
47	47/20=2.35 (ROUND UP TO 20 SPACES)	3
	INTERNAL ISLANDS PROVIDED (OR EQUIVALENT) (200SF PER ISLAND)	3
	NUMBER OF SHADE TREES REQUIRED 47/20=2.35 (TREE PER 20 SPACES)	3
	NUMBER OF SHADE TREES PROVIDED	3

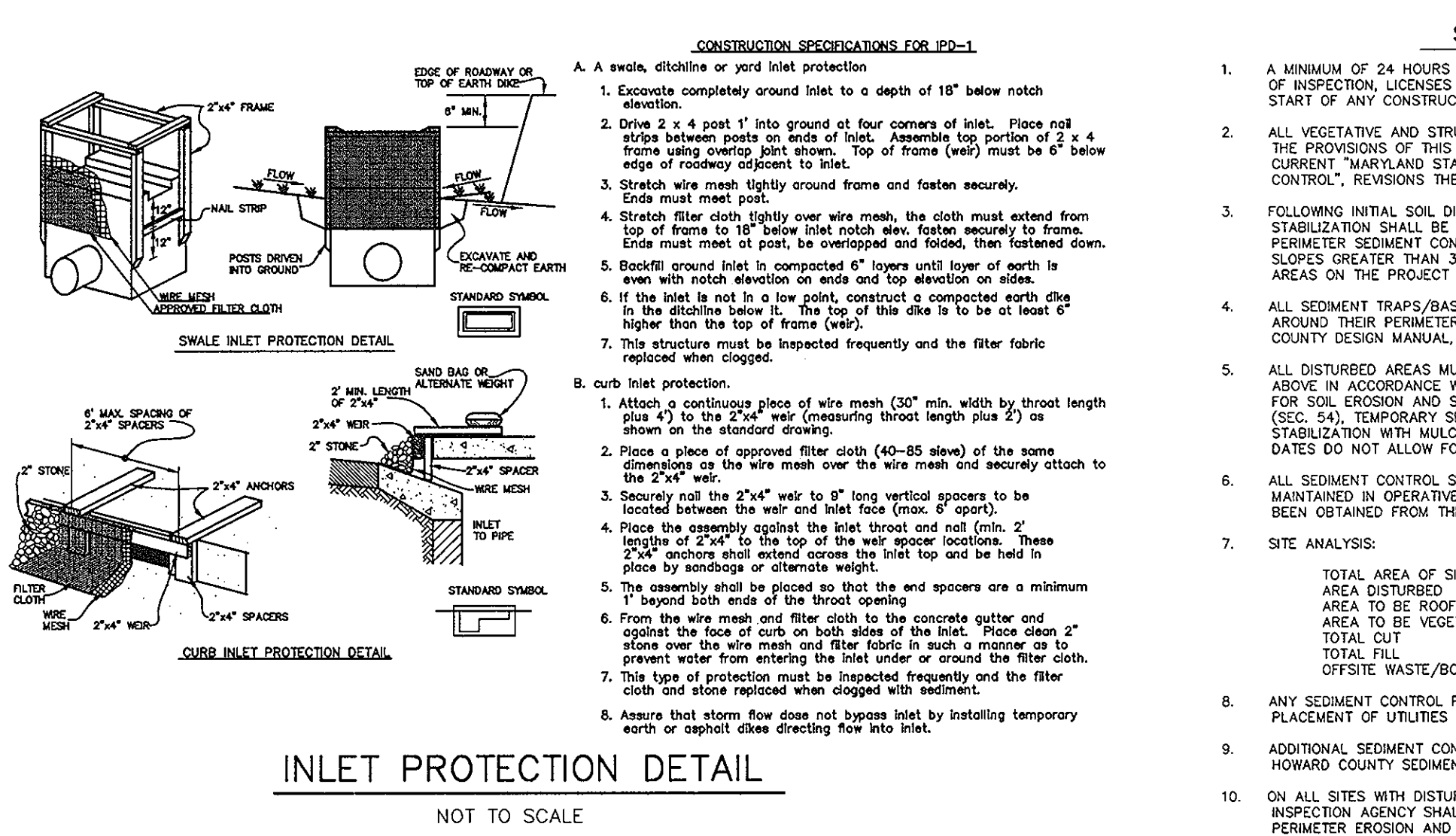
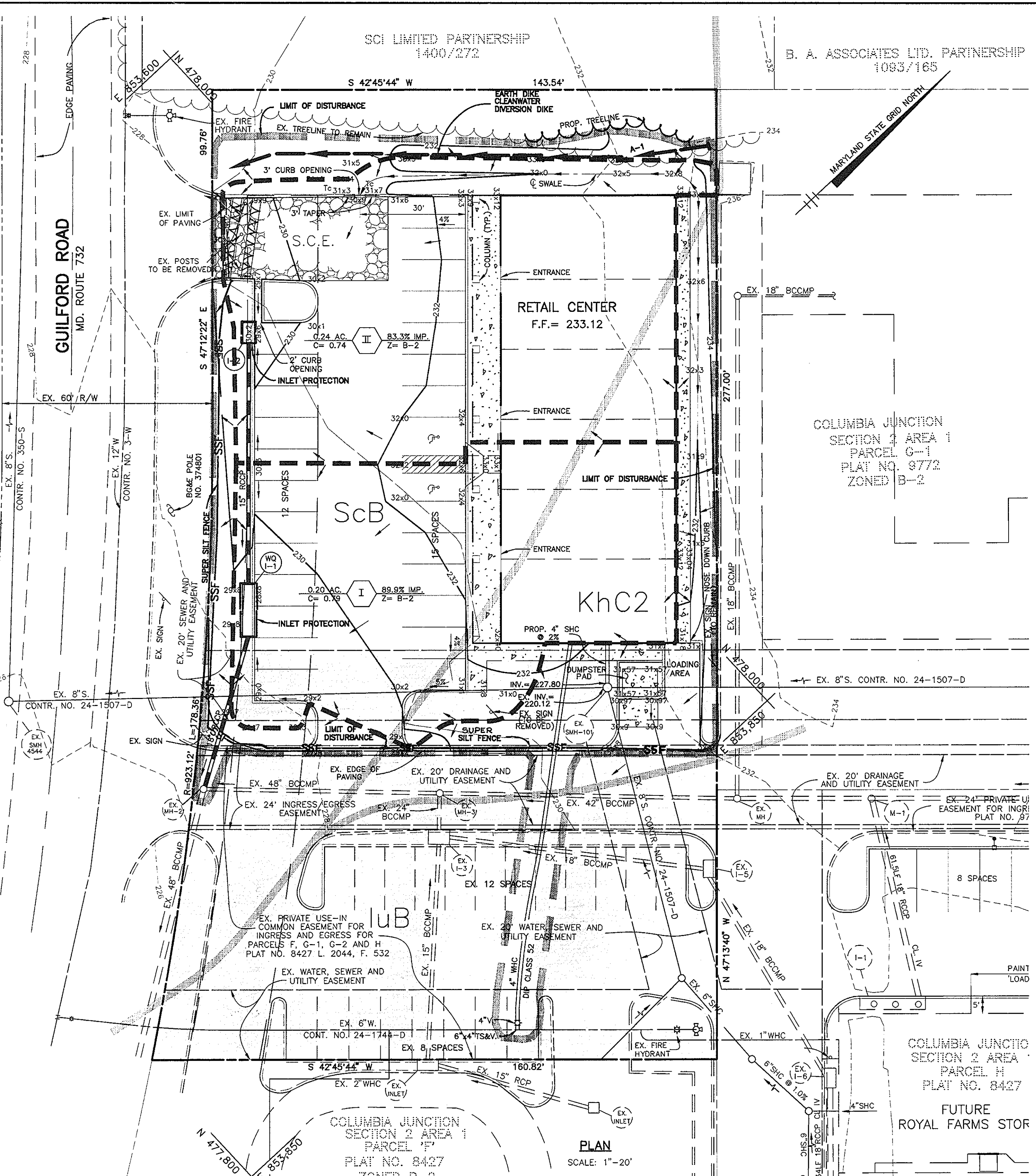
ADDRESS CHART

PARCEL	STREET ADDRESS
G-2	10215 GUILFORD ROAD

SUBDIVISION NAME	SECTION/AREA	PARCEL
COLUMBIA JUNCTION	SECTION 2 AREA 1	G-2

PLAT NO.	BLOCK #	ZONE	TAX/ZONE MAP	ELECT. DISTRICT	CENSUS TRACT
9772	6	B-2	47	6TH	6069.01

WATER CODE	SEWER CODE
B-03	4250000



LEGEND

- SCB: STABILIZED CONSTRUCTION ENTRANCE
- ENTRANCE: ENTRANCE
- LIMIT OF DISTURBANCE: LIMIT OF DISTURBANCE
- A-1: EARTH DIKE
- SOILS BOUNDARY: SOILS BOUNDARY
- STORM DRAIN INLET DRAINAGE BOUNDARY: STORM DRAIN INLET DRAINAGE BOUNDARY

SOILS DATA

lUB - LIMA LOAM, LOCAL ALLUVIUM, 1-5% SLOPES, 'C' SOILS
 KhC2 - KEYPORT SILT LOAM, 3 - 10% SLOPES, MODERATELY ERODED, 'C' SOILS
 ScB - SANDY AND CLAYEY LAND, GENTLY SLOPING, 'B' SOILS

SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION, (313-1850).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL, REVISIONS THERE TO.
- 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, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 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.
- 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) 500 (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE	0.936 ACRES
AREA DISTURBED	0.37 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.22 ACRES
TOTAL CUT	453 CY
TOTAL FILL	520 CY
OFFSITE WASTE/BORROW AREA LOCATION	PARCEL 11 SPP-98-30
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

PERMANENT SEEDING PREPARATION

SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCOING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 1000 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 ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ FT).
- 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 THROUGH APRIL 30 AND FROM AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH 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 SOO. OPTION (3) SEED WITH 60 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELL ANCHORED STRAW.

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 TOS OR 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING PREPARATION

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

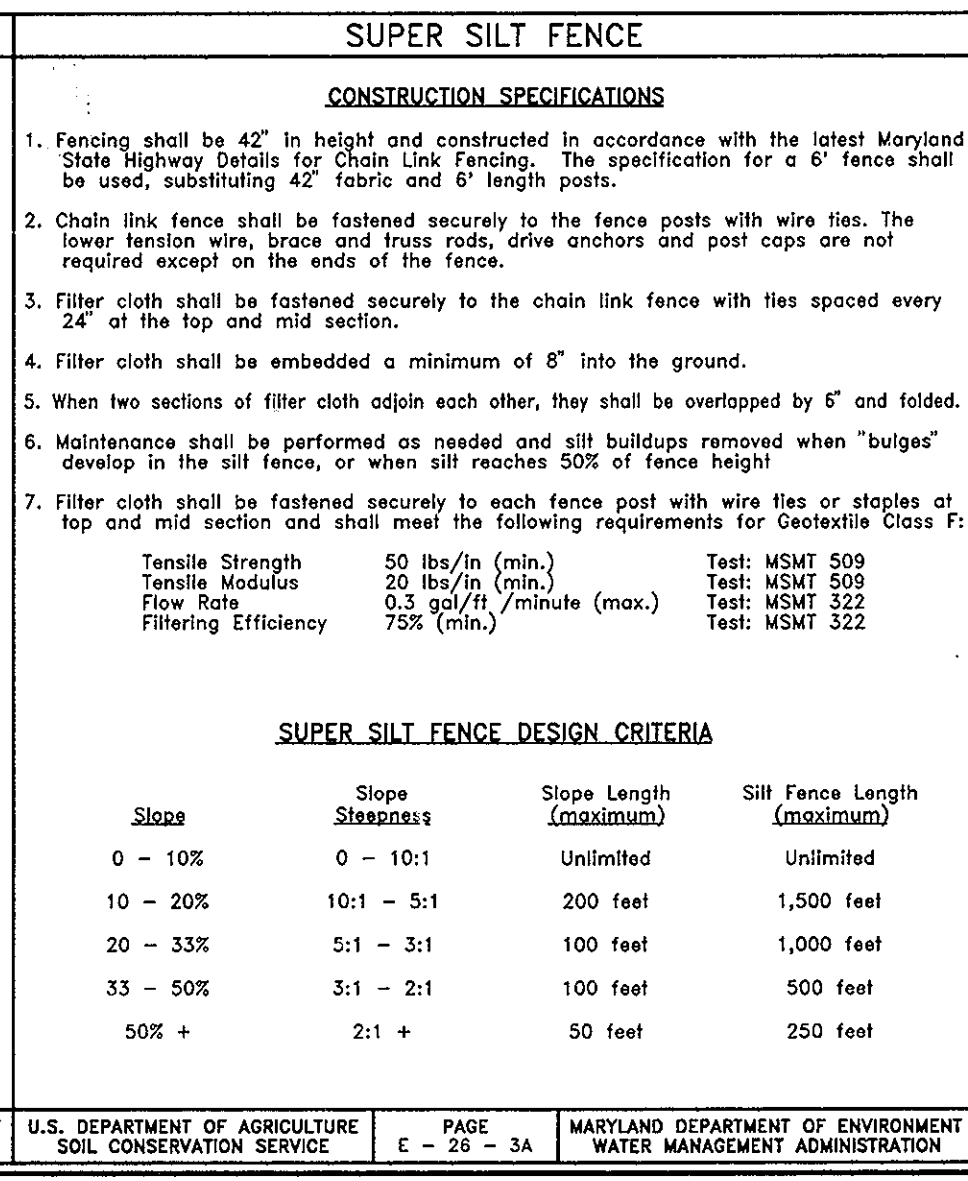
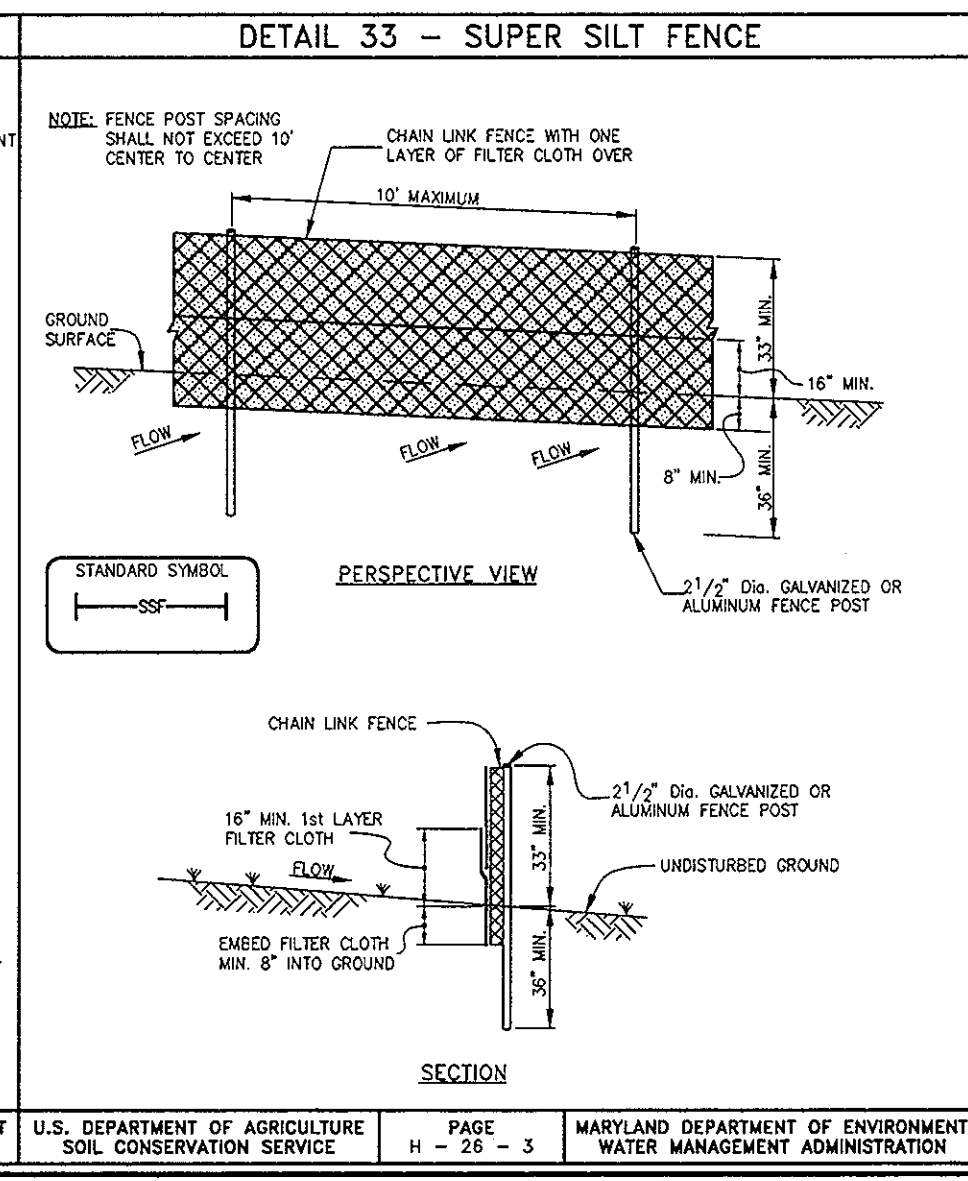
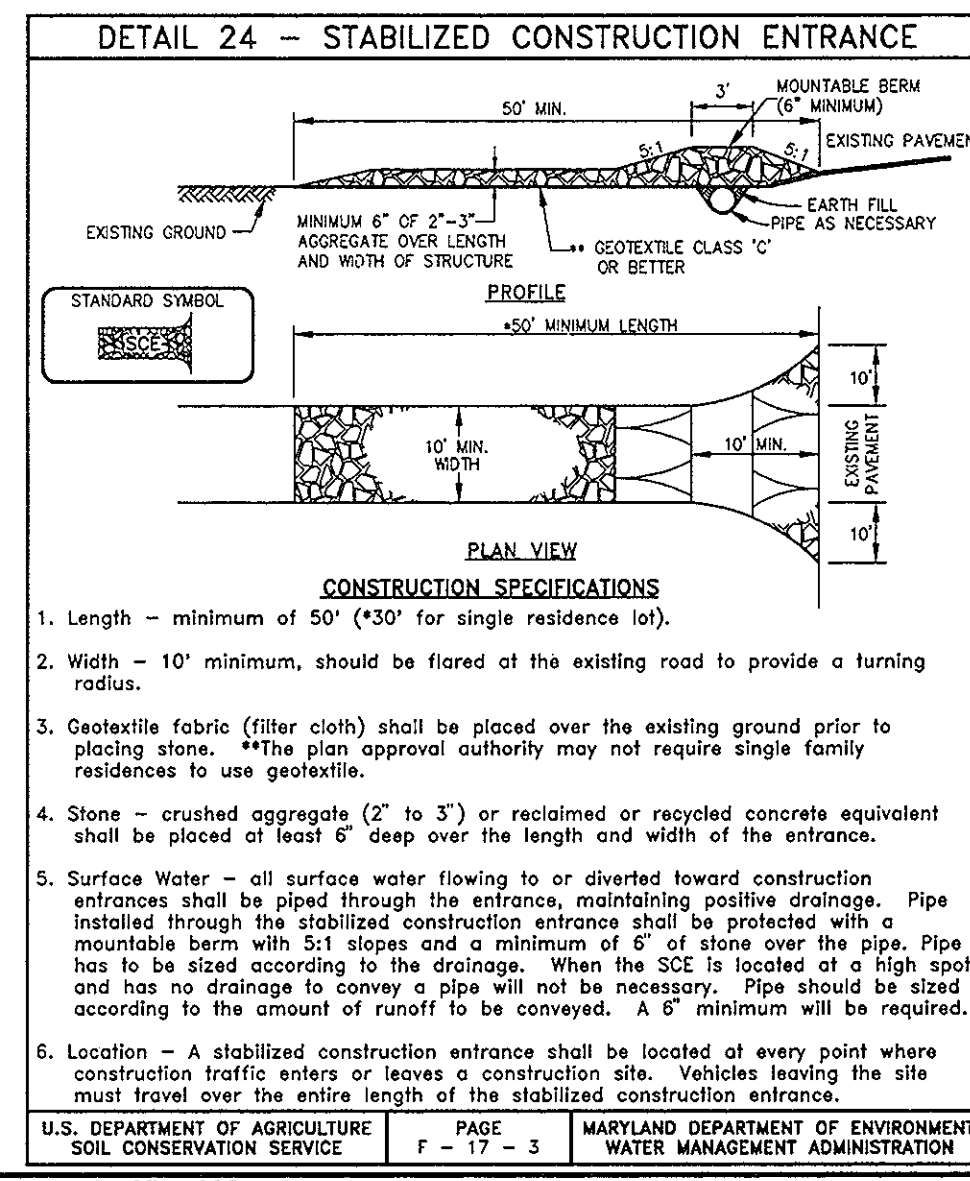
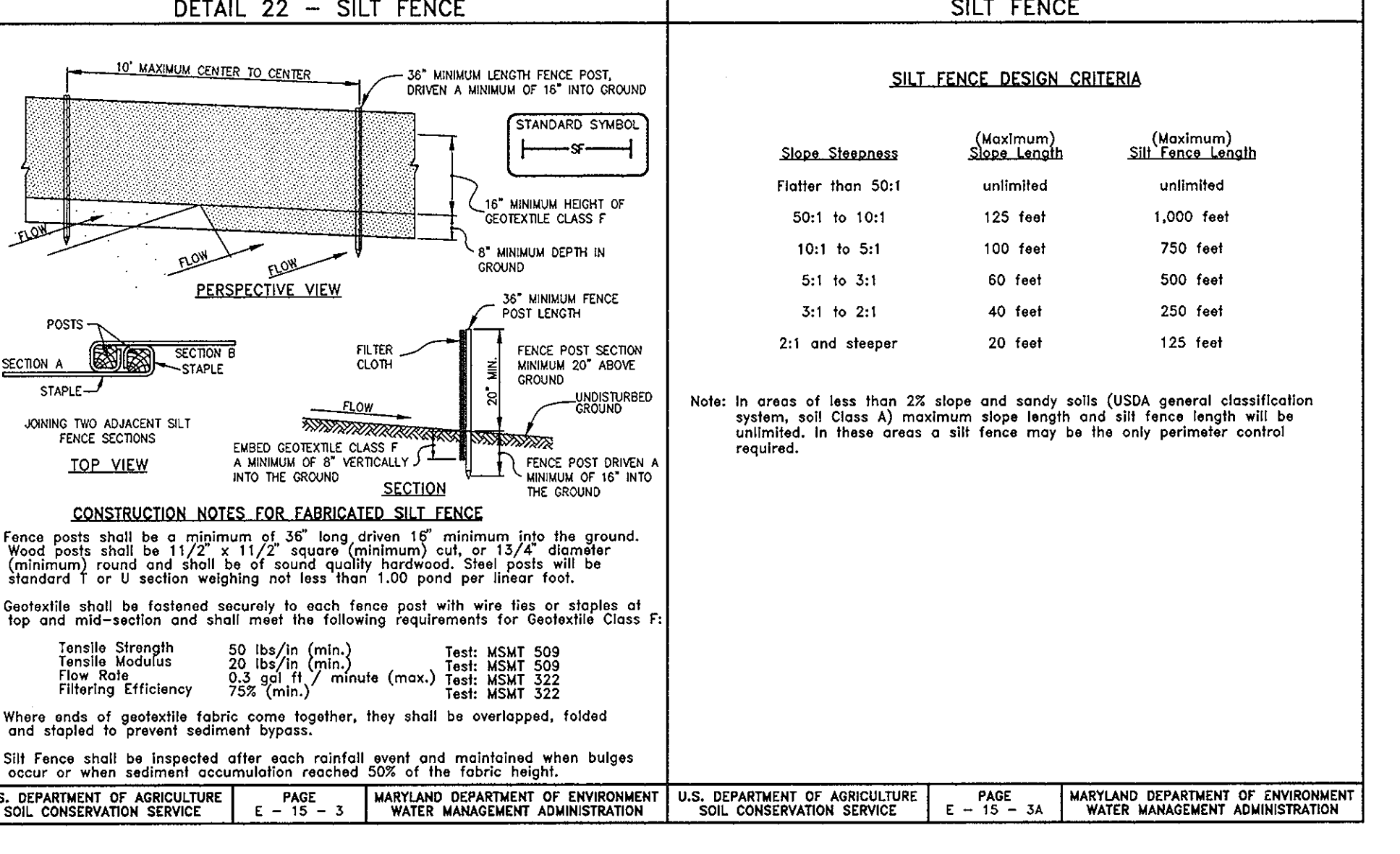
SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCOING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT).

SEEDING: FOR PERIOD MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT). FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (0.7 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THROUGH 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 SOO.

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 TOS OR 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FT. OR HIGHER, USE 348 GALLONS 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.



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

DEVELOPER: *Muma* DATE: 1/23/96

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

ENGINEER: *Darrell Moore* DATE: 1/23/96

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

NATURAL RESOURCES CONSERVATION SERVICE DATE: 7/10/96

REVIEWED FOR HOWARD COUNTY CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS DATE: 7/12/96

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Charles Damers DATE: 4/10/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION, CHARLES DAMERS

Gina Tirinnanzi DATE: 5/1/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH, GINA TIRINNANZI

Joseph Rutter, Jr. DATE: 5/8/96
 DIRECTOR, JOSEPH RUTTER, JR.

NO.	DATE	REVISION

TSA GROUP, INC.
 planning • architecture • engineering • surveying
 8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (410) 465-8105

OWNER: BEVARD FARM CORPORATION
 8480 BALTIMORE NATIONAL PIKE SUITE 415
 ELICOTT CITY, MARYLAND 21043

DEVELOPER: BEVARD FARM CORPORATION
 8480 BALTIMORE NATIONAL PIKE SUITE 415
 ELICOTT CITY, MARYLAND 21043

DESIGN: GWF DRAFT: JR/JCO

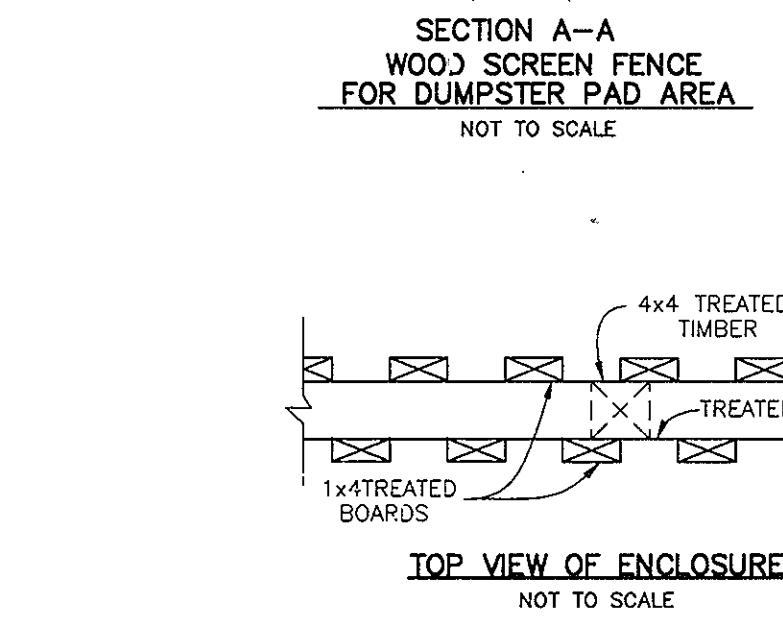
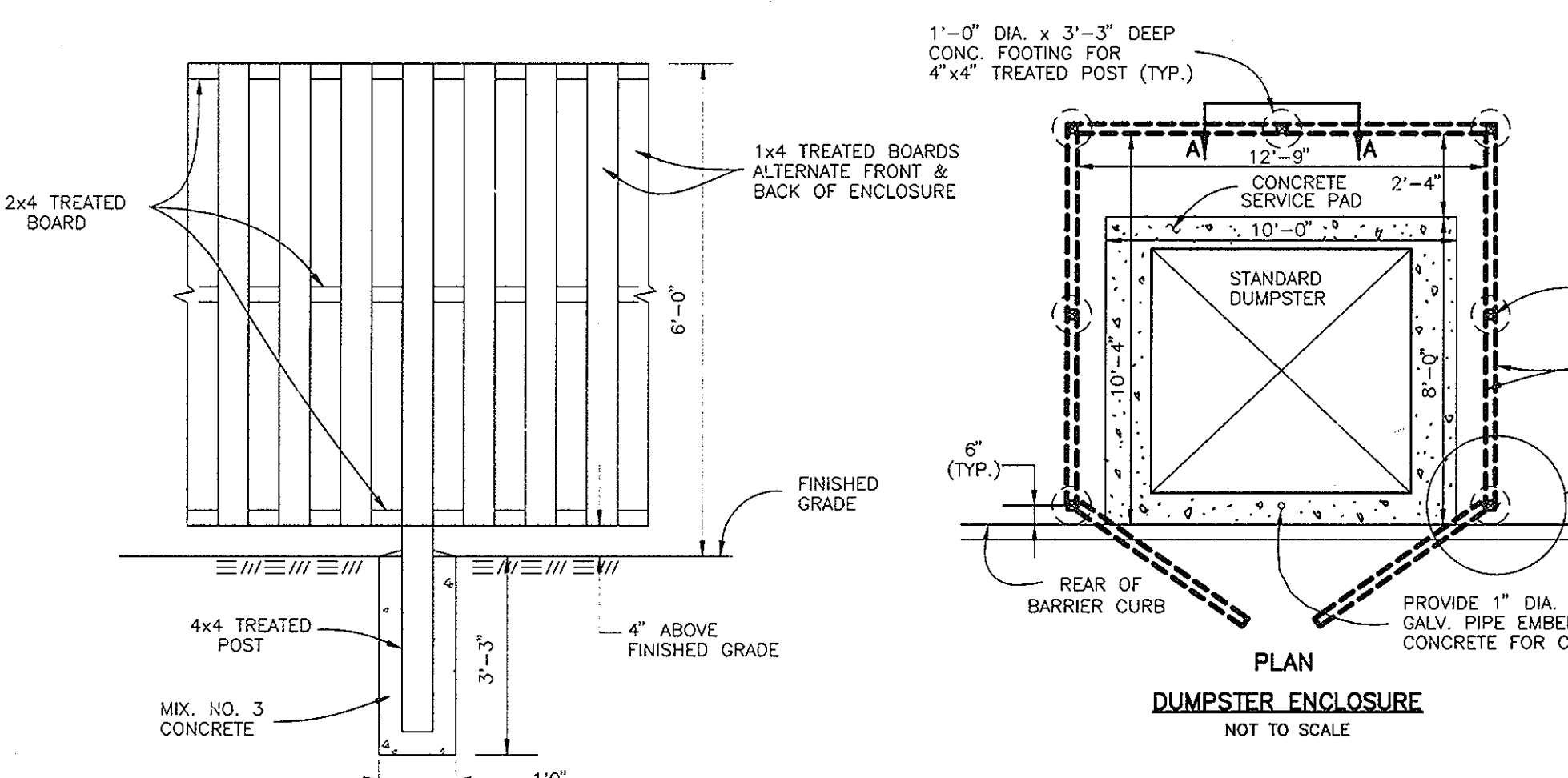
PROJECT: COLUMBIA JUNCTION SECTION 2 AREA 1 - PARCEL G-2

LOCATION: TAX MAP 47 BLOCK 6 PARCEL 548
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

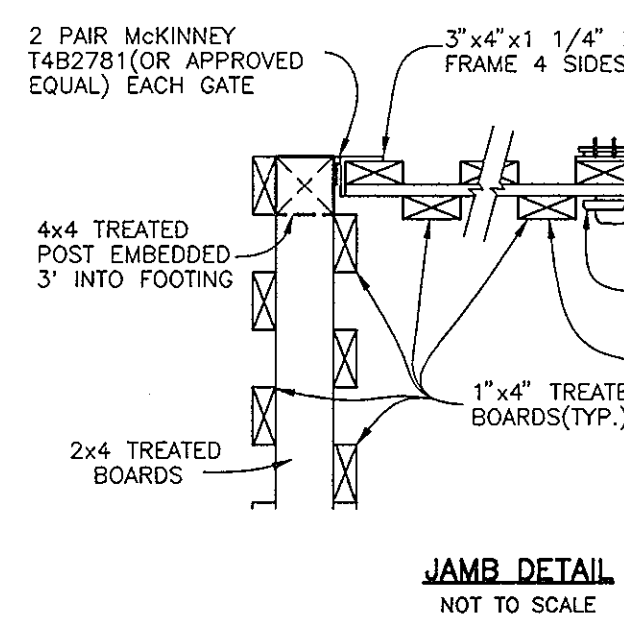
TITLE: DRAINAGE AREA SEDIMENT AND EROSION CONTROL PLAN
 F-88-160 F-91-12 P-88-17 S-87-55 W-91-12

DATE: JANUARY 23, 1996 PROJECT NO. 0885
 FEBRUARY 29, 1996

SCALE: AS SHOWN DRAWING NO. OF 3

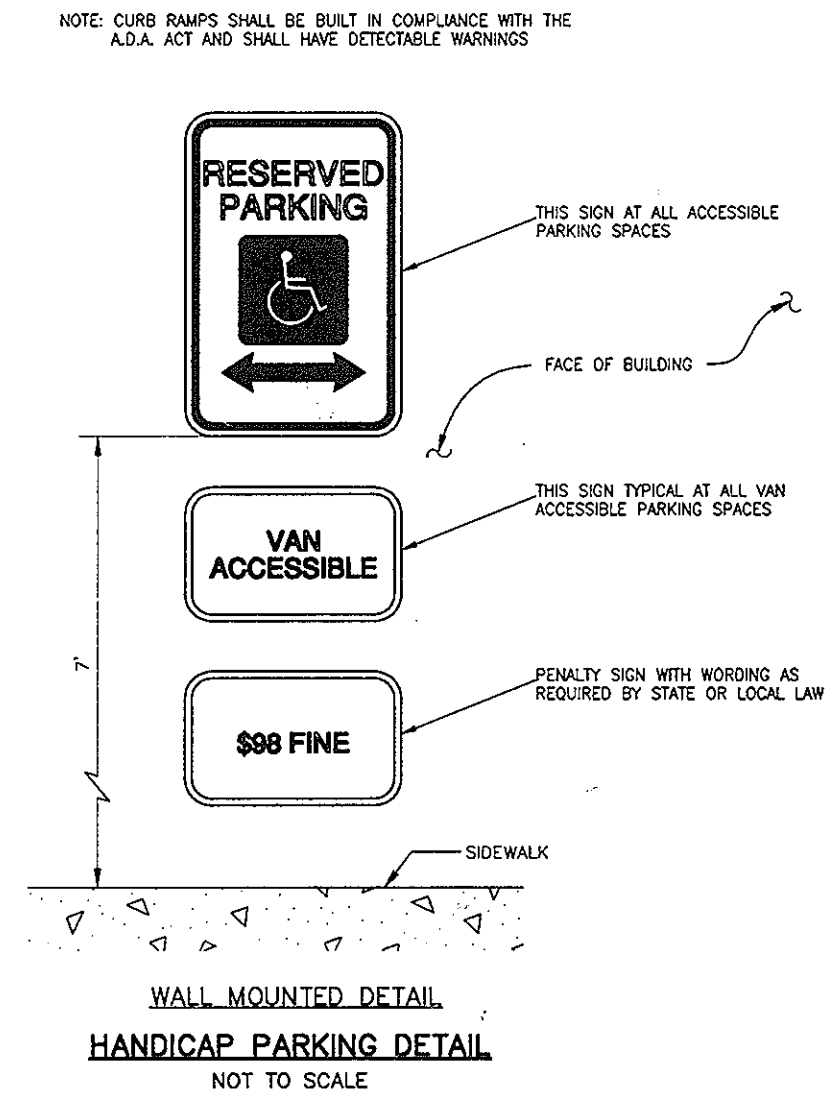
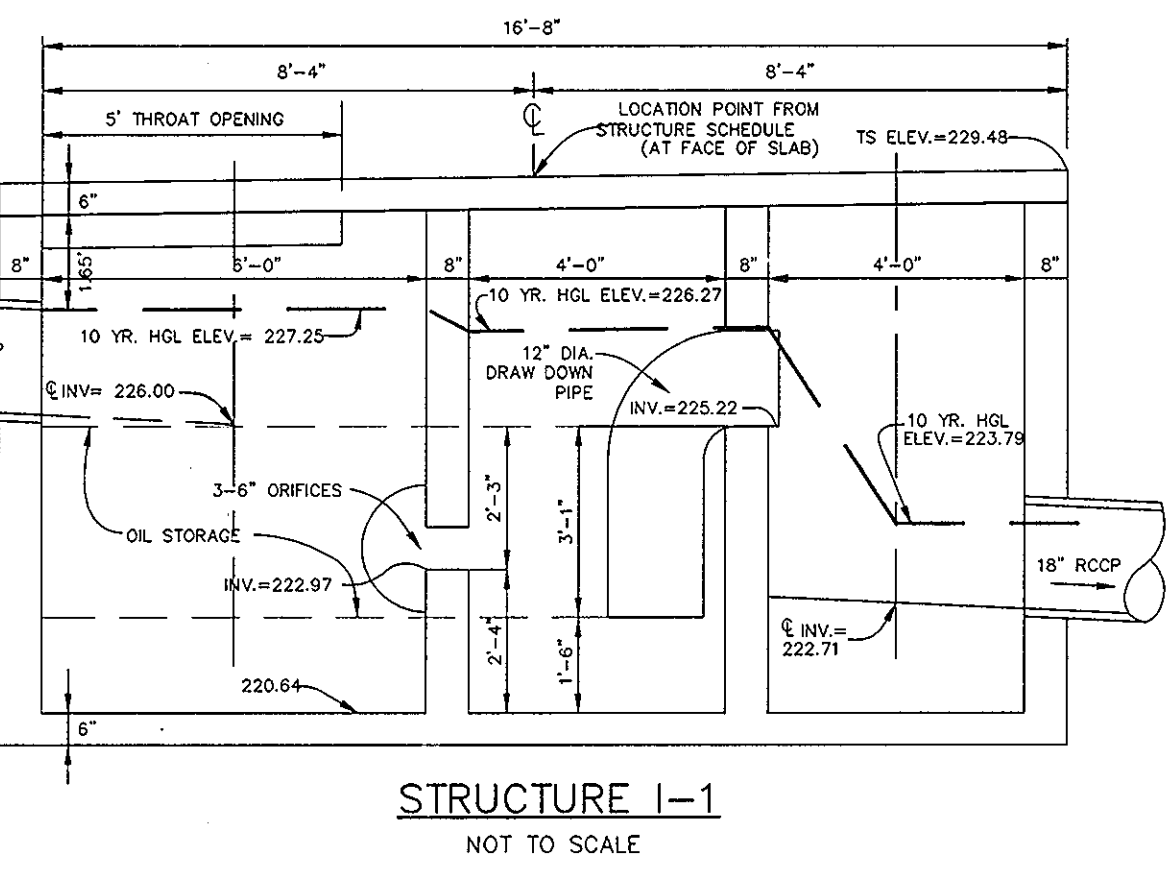
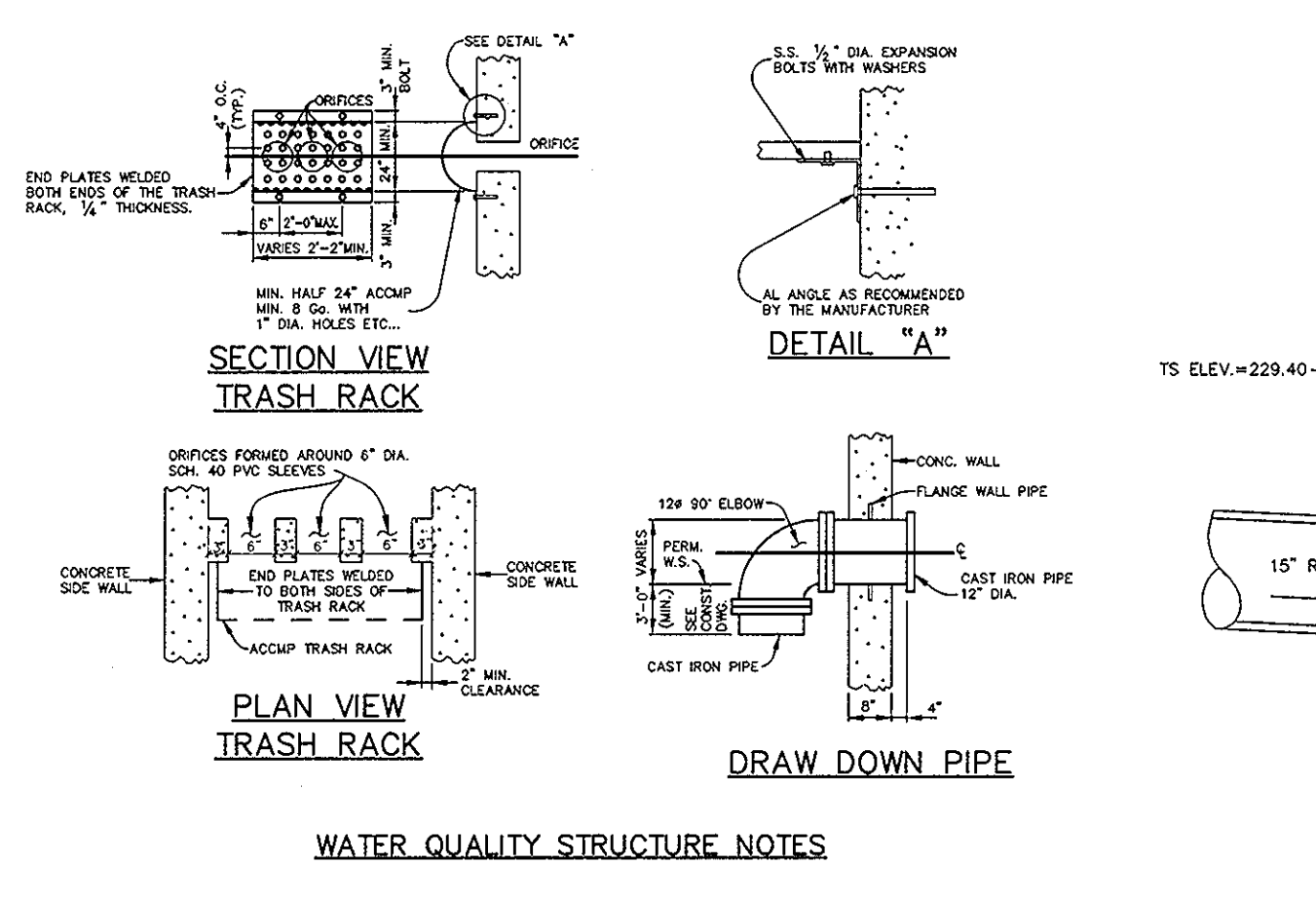
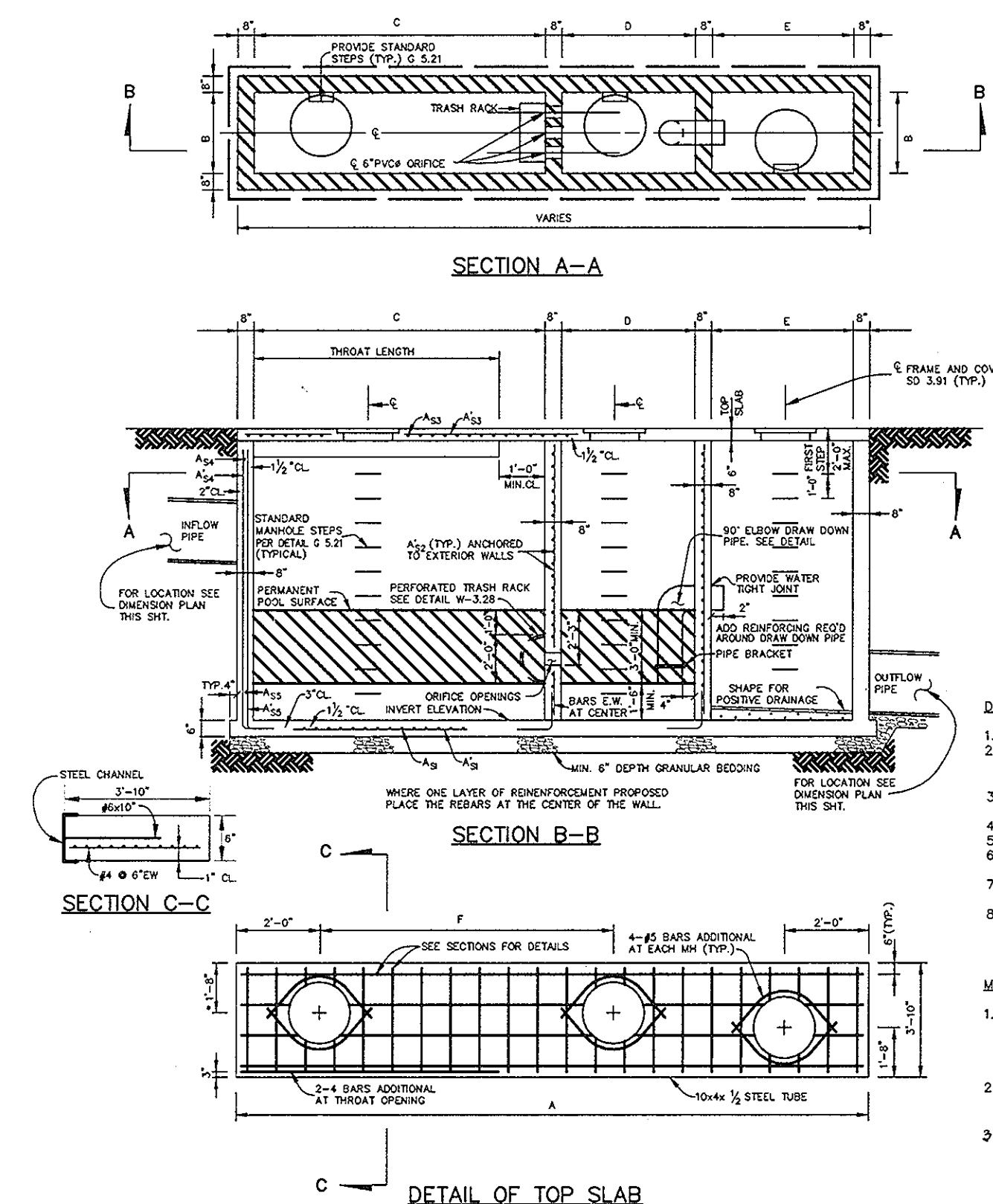
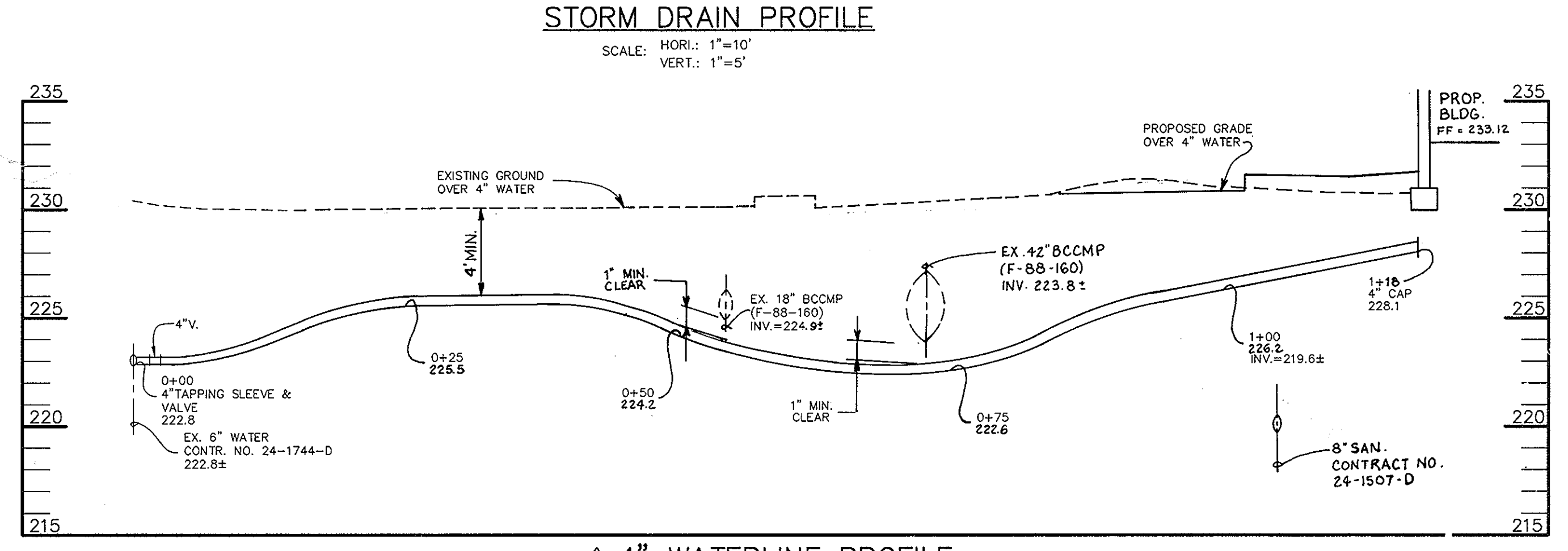
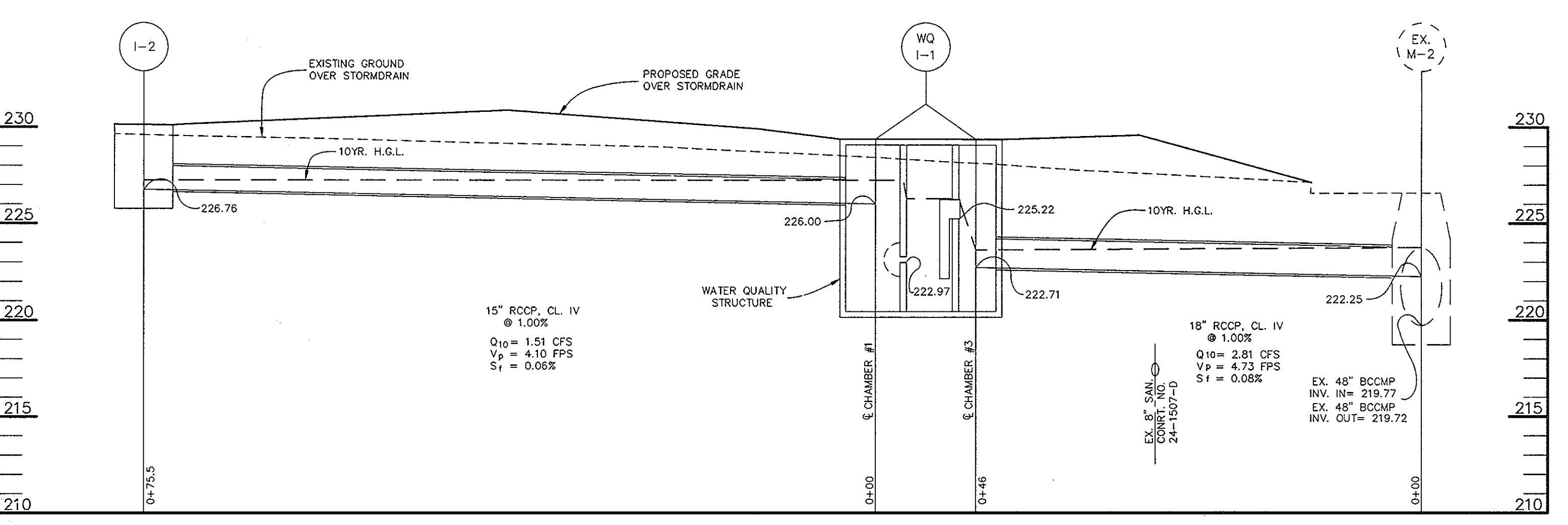
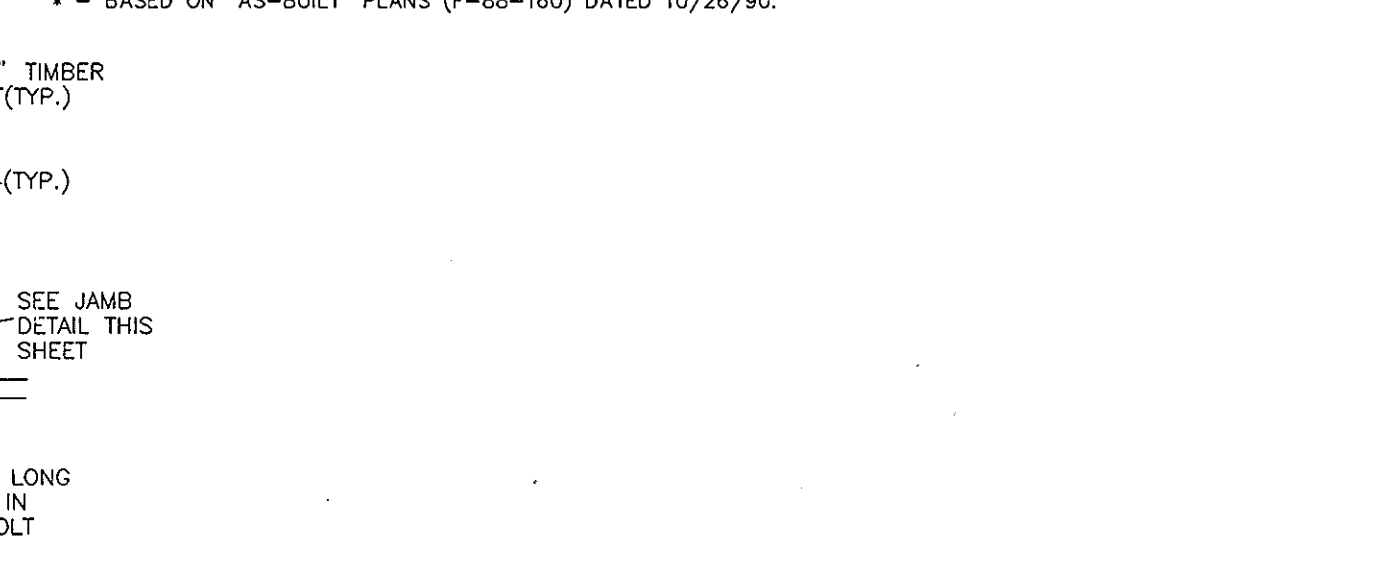


NOTE: FASTENING DEVICES SHALL BE GALVANIZED. ALL METAL FRAME ASSEMBLY ITEMS SHALL BE PAINTED WITH BROWN RUST-INHIBITING PAINT.



STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INVERT		TOP ELEV.	HOWARD CO. STD. DETAIL
			IN	OUT		
I-1	WATER QUALITY STRUCTURE	N 477910.5 E 827910.5	15' 226.00	18' 222.71	229.40	SEE DETAIL
I-2	A-5	N 477954.4 E 825873.6	-	18' 226.76	230.20	SD-4.01 & SD-3.91
EX. M-2	EX. MANHOLE	SEE PLAN EX. 48 213.75	18' 222.25	EX. 48 219.72	EX. 226.33	

--- BASED ON "AS-BUILT" PLANS (F-88-160) DATED 10/26/90.



- DESIGN AND GENERAL NOTES**
- Use poured in place concrete for the entire structure.
 - All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable.
 - Wall thickness shall be as per Howard County Standard Details W-3.28 and W-3.27.
 - F_c = 4,000 psi at 28 days
 - All reinforcing steel to be ASTM A615, GR 60.
 - For details concerning throat openings, refer to Howard County Standard Detail SD-4.01.
 - For details not noted in this standard, refer to Howard County Standard Detail SD-4.01, W-3.27 and W-3.32.
 - The top 4 inches of walls may be brick masonry for leveling, if required. Brick masonry shall comply with section 424 of the 1993 Md. sto. specifications.
- CONSTRUCTION NOTES**
- Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
 - All openings to structures shall be protected with the appropriate sediment control measures during construction.
- INSPECTION NOTES**
- Prior to start of construction on water quality structure, the Howard County Department of Public Works Inspector must be called 48 hours in advance at 313-1850.
 - The Howard County Department of Public Works Inspector must be notified (313-1850) at each of the following stages:
 - Approval of site plan for footings.
 - Forming formed and steel set prior to pouring.
 - Structure sides formed and steel set prior to pouring.
 - Prior to top slab and manholes being set, Howard County Department of Public Works Inspector must check structure and oil debris and silt in structure removed.
 - When site is permanently stabilized and sediment control measures to protect inlet are to be removed.
- MAINTENANCE NOTES**
- Water Quality Structures will require periodic cleaning. Owners of these facilities will have to clean them as needed or on a frequency that the County determines is appropriate. Owners of water quality structures will be notified by the County of the frequency of maintenance.
 - Maintenance of these facilities will consist of cleaning out the separator and disposal of the waste and the repair of the facility as needed.
 - CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO PLACING WATER QUALITY INLET IN OPERATIONAL STATUS. THIS IS TO ALLOW ENGINEER ACCESSIBILITY OF DEFINING AS-BUILT INFORMATION REQUIRED TO CERTIFY STRUCTURE.

BASE SLAB	PARTITION WALLS	TOP SLAB	OUTER WALLS
A _{S1}	A _{S2}	A _{S3}	A _{S4}
#5@7"	#4@6"	#5@6"	#4@12"

STRUCTURE NO.	DRAINAGE AREA (AC.)	VOL. REQ'D.	VOL. PROV'D.	A	B	C	D	E	F	FLOOR SLAB ELEV.	12" ELBOW INV.	THROAT LENGTH	TOP OF SLAB ELEV. UP	DOWN
I-1	0.378 IMP.	75.6 CF	77 CF	16'-8"	2'-6"	6'-0"	4'-0"	H'-0"	6'-8"	220.64	225.22	5.0'	229.40	229.48

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION, CHARLES DAMMERS

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH, GINA TIRINNANZI

DIRECTOR, JOSEPH RUTTER, JR.

DATE: 4/18/96

DATE: 5/7/96

DATE: 5/16/96

NO.	DATE	REVISION
1	12/30/96	PROFILE REV. AS PER 4'D.I.P. WATER LINE RELOCATION.
2	5-19-97	REMOVE CONC. C&G, HC RAMP, AND ADD PRECAST CONC. WHEEL STOPS

TSA GROUP, INC.
planning • architecture • engineering • surveying
8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (410) 485-6105

OWNER: BEVARD FARM CORPORATION
8480 BALTIMORE NATIONAL PIKE SUITE 415
ELLICOTT CITY, MARYLAND 21043

DEVELOPER: BEVARD FARM CORPORATION
8480 BALTIMORE NATIONAL PIKE SUITE 415
ELLICOTT CITY, MARYLAND 21043

PROJECT: COLUMBIA JUNCTION
SECTION 2 AREA 1 - PARCEL G-2

LOCATION: TAX MAP 47 BLOCK 6 PARCEL 548
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: DETAILS AND PROFILES
F-88-160 F-91-42 P-88-17 S-87-55 WP-91-12

DATE: JANUARY 23, 1996
FEBRUARY 29, 1996

PROJECT NO. 0885

Design: GWF Draft: JCO SCALE: AS SHOWN DRAWING 3 OF 3

SDP-96-86