

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

PARCEL C-2  
PLAT NO. 8772  
ZONED B-2

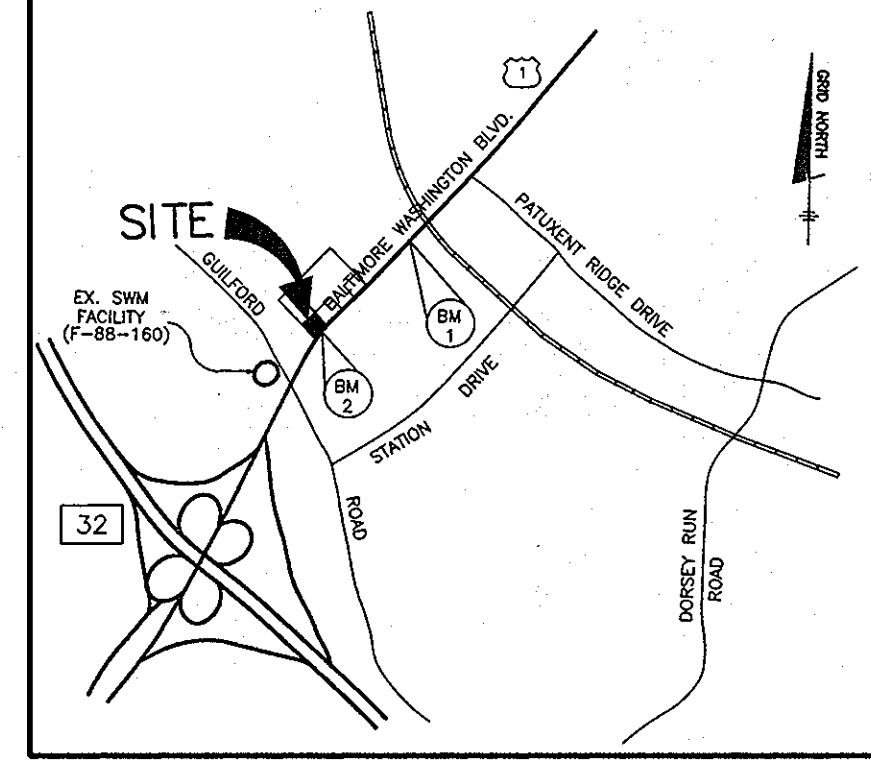
COLUMBIA JUNCTION  
SECTION 2 AREA 1  
PARCEL G-1  
PLAT NO. 8772  
ZONED B-2

**SITE DATA TABULATION**

- GENERAL SITE DATA
- PRESENT ZONING: B-2
  - APPLICABLE DPZ FILE REFERENCES: S-87-55, P-88-17, VP-86-25, VP-86-25A, F-88-160
  - PROPOSED USE OF SITE: BLDG 'A' CONVENIENCE STORE  
BLDG 'B' AUTOMOTIVE SERVICE CENTER
  - PROPOSED WATER AND SEWER SYSTEMS: X\_PUBLIC
- AREA TABULATION
- TOTAL PROJECT AREA: 1.16 AC.
  - NET AREA OF SITE: 1.16 AC.
  - AREA OF THIS PLAN SUBMISSION: 1.16 AC.
  - APPROXIMATE LIMIT OF DISTURBANCE: 0.91 AC.
  - BUILDING COVERAGE OF SITE (PERMITTED): N/A (00%)
  - BUILDING COVERAGE OF SITE (PROPOSED): 4883 SQ.FT. Δ

**BENCH MARKS**

- BM 1  
HO. CO. #2043002 ELEV. 293.831  
CONC. MONUMENT SET FLUSH WITH GROUND  
1.2' FROM 4' LOCUST TREE  
N 478782.059 E 854980.815
- BM 2  
HO. CO. #2043003 ELEV. 251.171  
REBAR 0.3' BELOW SURFACE APPROX. 4.4'  
FROM WEST EDGE OF ROAD.  
N 478157.831 E 854284.313



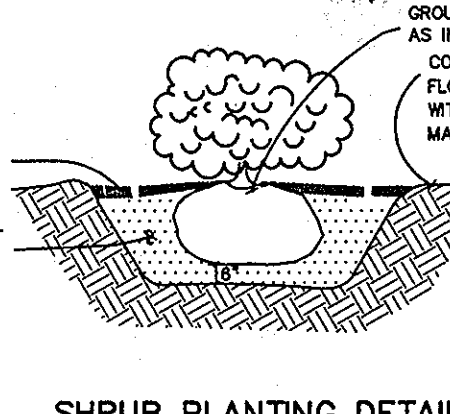
**GENERAL NOTES**

- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable.
- The contractor shall notify the Department of Public Works/Construction Inspection Division at (410) 313-1880 at least five (5) working days prior to start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- 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.
- All plan dimensions are to the face of the curb unless otherwise noted. All curb radii to be 5' unless otherwise noted.
- The topography shown herein is field run at 2 foot intervals performed by TSA Group, Inc. on or about June 28, 1995.
- Horizontal and vertical datum used herein is from Howard County Geodetic Control Points 2043002 and 2043003.
- Water and sewer for this project is public contract no. 24-1507-D.
- Stormwater management for this site was provided under F-88-160.
- Existing utilities shown herein 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.
- All pipe elevations shown are invert elevations.
- No wetlands exist on this site.
- BOARD OF APPEALS CASE NO. BA 95-076 WAS CONSIDERED ON MARCH 12, 1996 TO GRANT A SPECIAL EXCEPTION OF A GASOLINE SERVICE STATION WITHIN A B-2 ZONE ON THIS PROPERTY. THE DECISION AND ORDER WAS SIGNED ON APRIL 2, 1996.

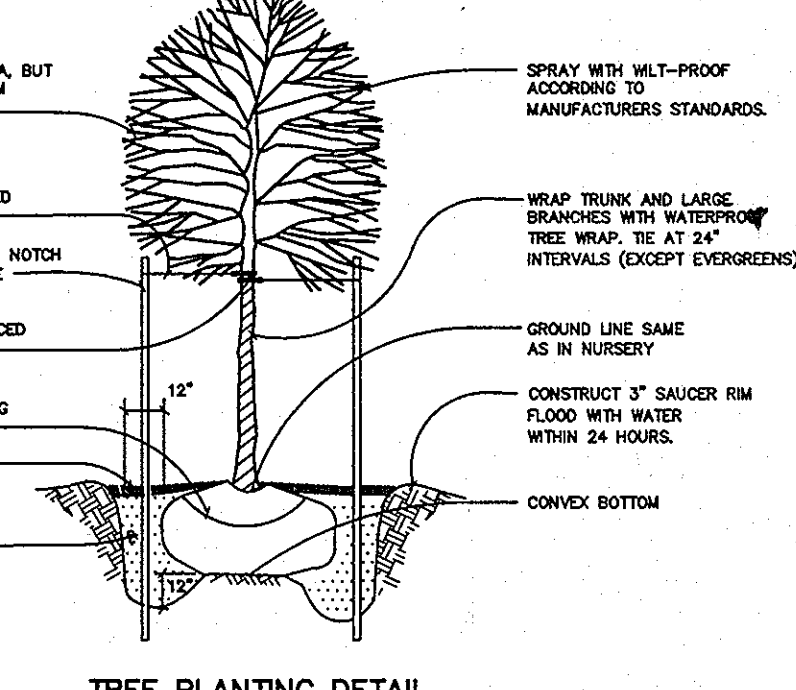
**BOHLER ENGINEERING**  
901 DULANEY VALLEY ROAD  
SUITE 901  
TOWSON, MARYLAND 21286  
PHONE: 410-831-7600  
FAX: 410-831-7487

FOR 5TH REVISION ONLY  
D. C. WOODS, P.E.  
PROFESSIONAL ENGINEER  
MARYLAND LICENSE NO. 14440

L. DAVID C. WOODS, P.E.  
CERTIFY THAT THESE DOCUMENTS  
WERE PREPARED OR APPROVED BY ME,  
AND THAT I AM A LICENSED  
PROFESSIONAL ENGINEER UNDER THE  
LAWS OF THE STATE OF MARYLAND,  
LICENSE NO. 14440, EXPIRATION DATE  
5/31/03.



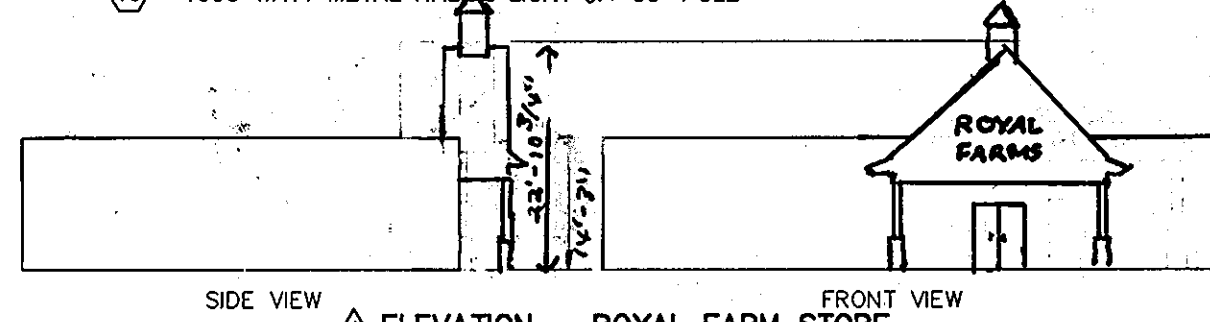
SHRUB PLANTING DETAIL  
NOT TO SCALE



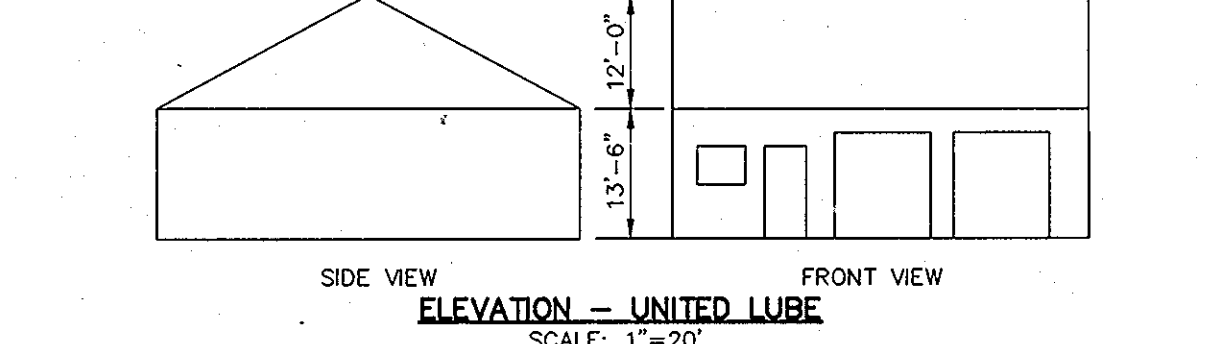
TREE PLANTING DETAIL  
NOT TO SCALE

**CONSTRUCTION NOTES**

- CONSTRUCT STANDARD BARRIER CURB (HO. CO. STD. R-3.03)
- CONSTRUCT STANDARD 7" COMB. CURB AND GUTTER (HO. CO. STD. R-3.01)
- 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
- RETROFIT INLET, SEE DETAIL
- CONSTRUCT 5'-0"x6'-0"x4" CONC. STOOP @ DOOR W/ 6x6 10/10 WWF
- CONSTRUCT 8'-0"x27'-0"x6" CONC. APRON W/ #4 BARS @ 16" O.C. EA. WAY
- CONSTRUCT 8'-0"x6" CONC. APRON W/ #4 BARS @ 16" O.C. EA. WAY TO LIMITS SHOWN
- PAINTED TRAFFIC ARROW - WHITE
- CONSTRUCT DUMPSTER SERVICE PAD (HO. CO. STD. R-11.01 & R-11.03)
- CONSTRUCT DUMPSTER SERVICE PAD ENCLOSURE, SEE DETAIL
- 1000 WATT METAL HALIDE LIGHT ON 35' POLE



ELEVATION - ROYAL FARM STORE  
SCALE: 1"=20'



ELEVATION - UNITED LUBE  
SCALE: 1"=20'

**ADDRESS CHART**

BUILDING	STREET ADDRESS
A	8700 BALTIMORE WASHINGTON BLVD.
B	8680 BALTIMORE WASHINGTON BLVD.

SUBDIVISION NAME	SECTION/AREA	PARCEL
COLUMBIA JUNCTION	SECTION 2 AREA 1	H
PLAT NO. 8427	BLOCK # 6	ZONE B-2
	TAX/ZONE MAP 47	ELECT. DISTRICT 6TH
		CENSUS TRACT 6069.01
WATER CODE B-03	SEWER CODE 4250000	

**SCHEDULE 'B' PARKING LOT INTERNAL LANDSCAPING**

NUMBER OF PARKING SPACES PROVIDED	INTERNAL ISLANDS REQUIRED 38/20=1.9 (1 ISLAND PER 20 SPACES)	INTERNAL ISLANDS PROVIDED (OR EQUIVALENT) (200SF PER ISLAND)	NUMBER OF SHADE TREES REQUIRED 38/20=1.9 (1 TREE PER 20 SPACES)	NUMBER OF SHADE TREES PROVIDED
38	2	3	2	3

**PLANT LIST**

KEY	NAME	QUANTITY	HEIGHT	WIDTH	CAL.	ROOT	SPACING
AS	SUGAR SACCHARUM (SUGAR MAPLE)	4	6'-8'	-	2 1/2"	B & B	40' O.C.
EA	EUONYMUS ALATUS (WINGED EUONYMUS)	20	2'-2 1/12'	15"-18"	-	B & B	5' O.C.
PC	PYRUS CALLERYANA (BRADFORD PEAR)	3	10'-12'	-	2 1/2"	B & B	AS SHOWN
PT	PINUS THUNBERGIANA (JAPANESE BLACK PINE)	6	6'-8'	-	-	B & B	8' O.C.

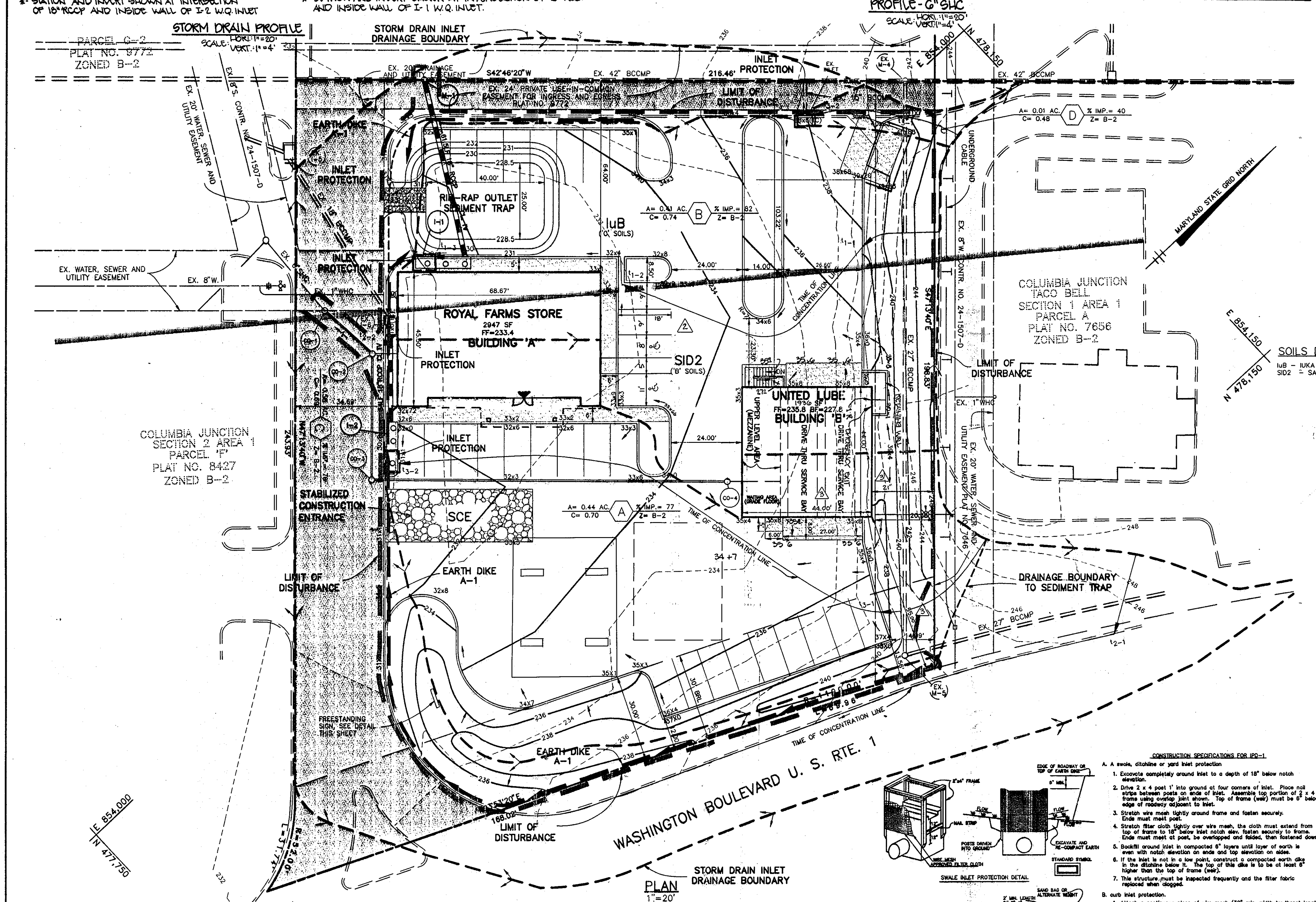
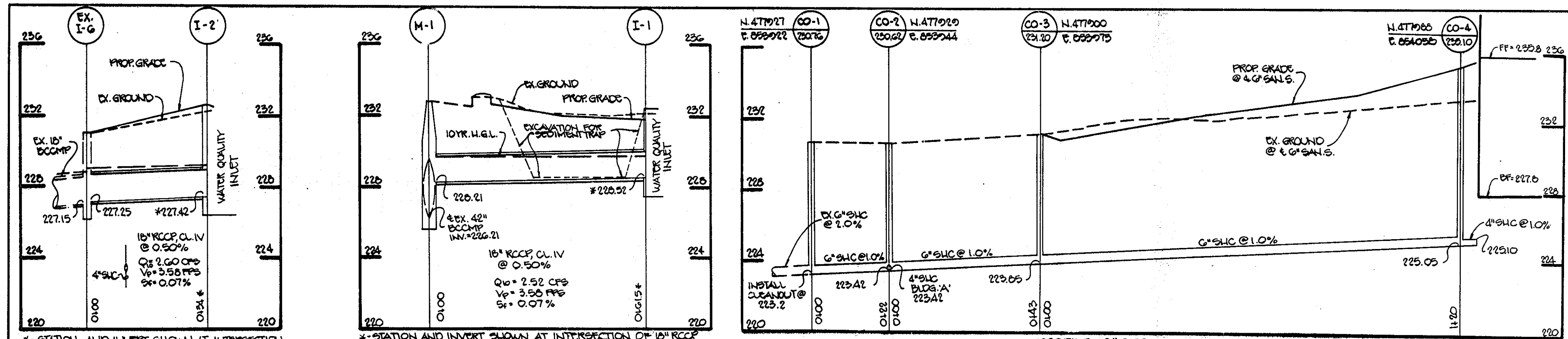
**SCHEDULE 'A' PERIMETER LANDSCAPE EDGE**

CATEGORY	ADJACENT TO ROADWAY	ADJACENT TO ROADWAY
	① B	② E
LANDSCAPE TYPE		
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	156	81
CREDIT FOR EXISTING VEGETATION	NO	NO
CREDIT FOR WALL, FENCE OR BERM	NO	NO
NUMBER OF PLANTS REQUIRED		
SHADE TREES	3	2
EVERGREEN TREES	4	-
SHRUBS	-	20
NUMBER OF PLANTS PROVIDED		
SHADE TREES	2	2
EVERGREEN TREES	1	-
OTHER TREES	-	-
SHRUBS	1	20

**LANDSCAPE NOTES:**  
1. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.  
2. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$1,300.00.

PLAN  
SCALE: 1"=20'

NOTE: CANOPY LIGHTING SHALL BE SHIELDED AND DIRECTED SO THAT IT DOES NOT ILLUMINATE OR SHINE DIRECTLY ONTO ADJACENT PROPERTIES AND DOES NOT PRODUCE GLARE.



- ### 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 INCLUSIVE.
  - 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) SOO (SEC. 52), 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	1.16 ACRES
AREA DISTURBED	0.89 ACRES
AREA TO BE ROOFED OR PAVED	0.89 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.27 ACRES
TOTAL CUT	1,292 CY
TOTAL FILL	437 CY
OFFSITE SITE/BORROW AREA LOCATION	(SEE APPROVED LOCATION)
  - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
  - ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL GRADING 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.

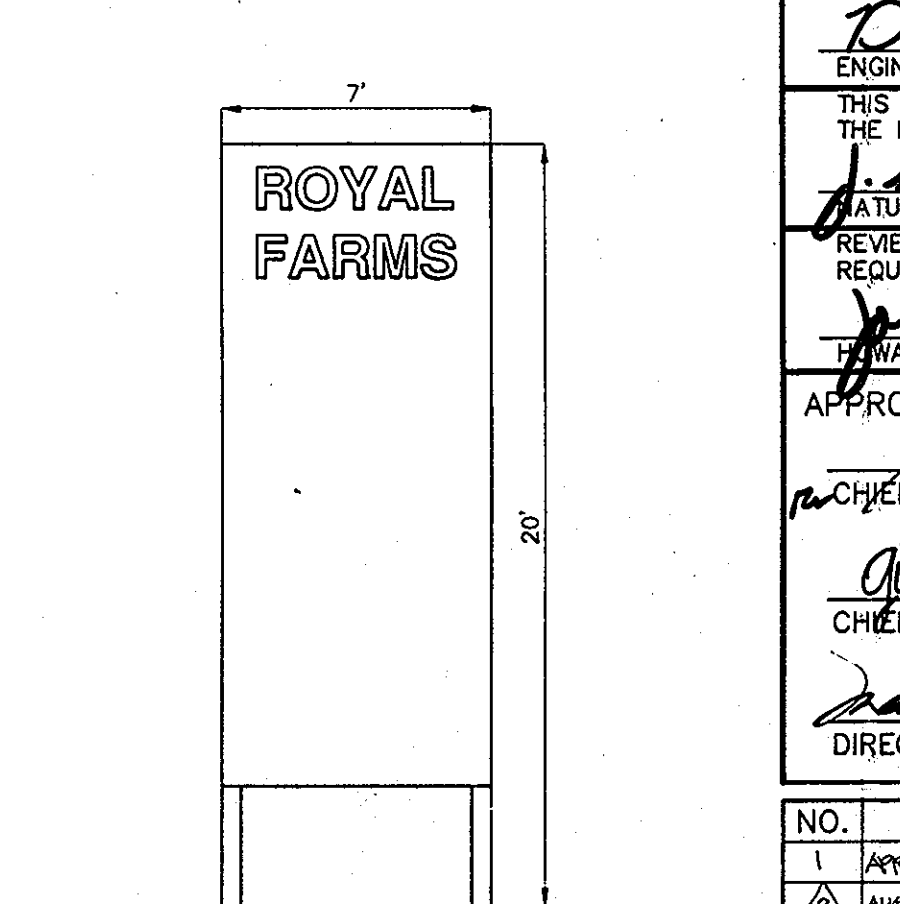
- ### PERMANENT SEEDING PREPARATION
- SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 800 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 (13 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 AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS PER ACRE (14 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 140 LBS/1000 SQ FT) OF UNROTTED SMALL GRASS 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 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, DISING 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 BUSSELS PER ACRE OF ANNUELY RYE (2 LBS/1000 SQ FT) FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (07 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 140 LBS/1000 SQ FT) OF UNROTTED SMALL GRASS 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 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.

- ### LEGEND
- INLET PROTECTION
  - STABILIZED CONSTRUCTION ENTRANCE
  - LIMIT OF DISTURBANCE
  - EARTH DIKE
  - SOILS BOUNDARY
  - STORM DRAIN TIME OF CONCENTRATION FLOW PLAT
  - STORM DRAIN INLET DRAINAGE BOUNDARY
- ### SOILS DATA
- hB - BUKA LOAM, LOCAL ALLUVIUM, 1-5% SLOPES, 'C' SOILS  
 sI02 - SASSAPRAS LOAM, 10 - 15% SLOPES, MODERATELY ERODED, 'B' SOILS

- ### SEQUENCE OF CONSTRUCTION
- |           |  |
|-----------|--|
| DAY 1     | OBTAIN GRADING PERMIT  |
| DAY 2-6   | INSTALL STABILIZED CONSTRUCTION ENTRANCE, CONSTRUCT SEDIMENT TRAP, EARTH DIKE AND INSTALL INLET PROTECTION.  |
| DAY 7-14  | GRADE SITE TO SUBGRADE AND STABILIZE DISTURBED AREAS EXCEPT PAVEMENT AREA WITH TEMPORARY SEEDING NOTES.  |
| DAY 15-49 | INSTALL UTILITIES, STORM DRAIN, CURB & GUTTER, BUILDINGS, AND PAVING. WITH APPROVAL OF HOWARD COUNTY SEDIMENT CONTROL INSPECTOR REMOVE EARTH DIKE, SEDIMENT TRAP AND STABILIZED CONSTRUCTION ENTRANCE. |
| DAY 50-60 | COMPLETE REMAINING SITE WORK, STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.  |
| DAY 61-63 | UPON APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS LICENSES AND PERMITS SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES.   |

### RIP RAP OUTLET SEDIMENT TRAP (ST-11)

DRAINAGE AREA:	0.91 AC
STORAGE REQUIRED:	3,276 CF
STORAGE PROVIDED:	3,436 CF
BOTTOM ELEVATION:	225.5' @ 40'x25'
CREST ELEVATION:	231.0'
CLEANOUT ELEVATION:	229.75'
TOP ELEVATION:	232.5'
CREST LENGTH:	4.0'



NOTE: 1. SIGN SHALL BE IN ACCORDANCE WITH TITLE 3 SUBTITLE 5 SECTION 3.501(2)(C) OF THE HOWARD COUNTY CODE.

2. SIGN SHALL BE INSTALLED UNDER A SEPARATE SIGN PERMIT AND IS SHOWN ON THESE PLANS FOR INFORMATIONAL PURPOSES ONLY.

### ROYAL FARMS SIGN DETAIL

SCALE: 1"=5'

### STRUCTURE SCHEDULE

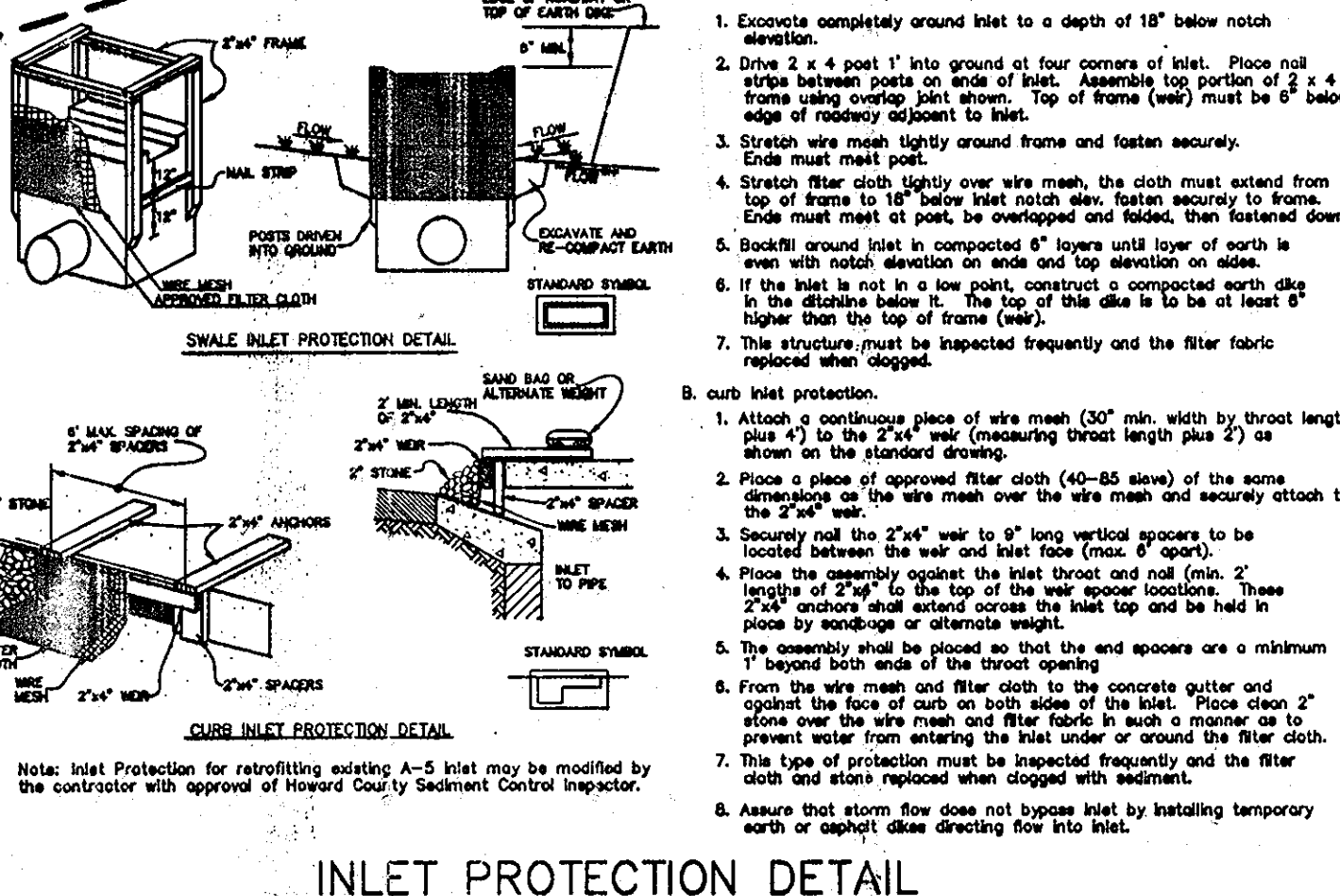
No.	Type	LOCATION	INV. IN	INV. OUT	To/Rim Elevation	Remarks
I-1	WATER QUALITY INLET	N. 477.969 E. 853.936	-	18" 228.52	SEE DETAIL	SEE DETAIL
I-2	WATER QUALITY INLET	N. 477.914 E. 853.973	-	18" 227.42	SEE DETAIL	SEE DETAIL
M-1	MANHOLE	N. 478.004 E. 853.889	10' 226.21	42" 226.21(EX.)	232.74	M.O.C. STD. C-514 - C-503
EX. A-5	SEE DETAIL	SEE PLAN	-	15" 235.6(EX.)	238.00	INLET TO BE RETROFITTED W/ SINGLE W/ FRAME & GRATE (SEE DETAIL)

STORM DRAIN INLET DRAINAGE BOUNDARY FOR 5TH REVISION ONLY

D. C. BOHLER  
 PROFESSIONAL ENGINEER  
 MARYLAND LICENSE NO. 14140

5TH REVISION PREPARED BY  
**BOHLER ENGINEERING**  
 901 DULANEY VALLEY ROAD  
 SUITE 201  
 TOWSON, MARYLAND 21284  
 PHONE 410-281-7800  
 FAX 410-281-7827

I, DAVID C. WOODS, BECOMING CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 14140, EXPIRATION DATE 5/1/17.



INLET PROTECTION DETAIL  
 NOT TO SCALE

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

DEVELOPER: *[Signature]* DATE: 3/11/96

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 SOIL CONSERVATION DISTRICT.

ENGINEER: *Donald Mason* DATE: 3/11/96

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

*J. A. Warfield III* DATE: 3/19/96  
 NATURAL RESOURCES CONSERVATION SERVICE

*John R. Blustein* DATE: 3/19/96  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*[Signature]* DATE: 3/4/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION, CHARLES DAMMERS

*[Signature]* DATE: 3/22/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH, GINA TIRINNANZI

*[Signature]* DATE: 3/22/96  
 DIRECTOR, JOSEPH RUTTER, JR.

NO.	DATE	REVISION
1	APRIL 12, 1996	ADD GASOLINE SERVICES
2	AUGUST 23, 1996	RELOCATE HANDICAP PARKING SPACES AND RAMP
3	SEPT. 23, 1996	REVISE BLDG 'B' TO 44'x44' DIMENSION
5	7/23/2003	REVISION FOR CARWASH AND STORE FRONT RECONSTRUCTION

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

PROJECT: COLUMBIA JUNCTION SECTION 2 AREA 1 - PARCEL H

LOCATION: TAX MAP 47 - PARCEL 548  
 5TH ELECTION DIST. 6  
 HOWARD COUNTY, MARYLAND

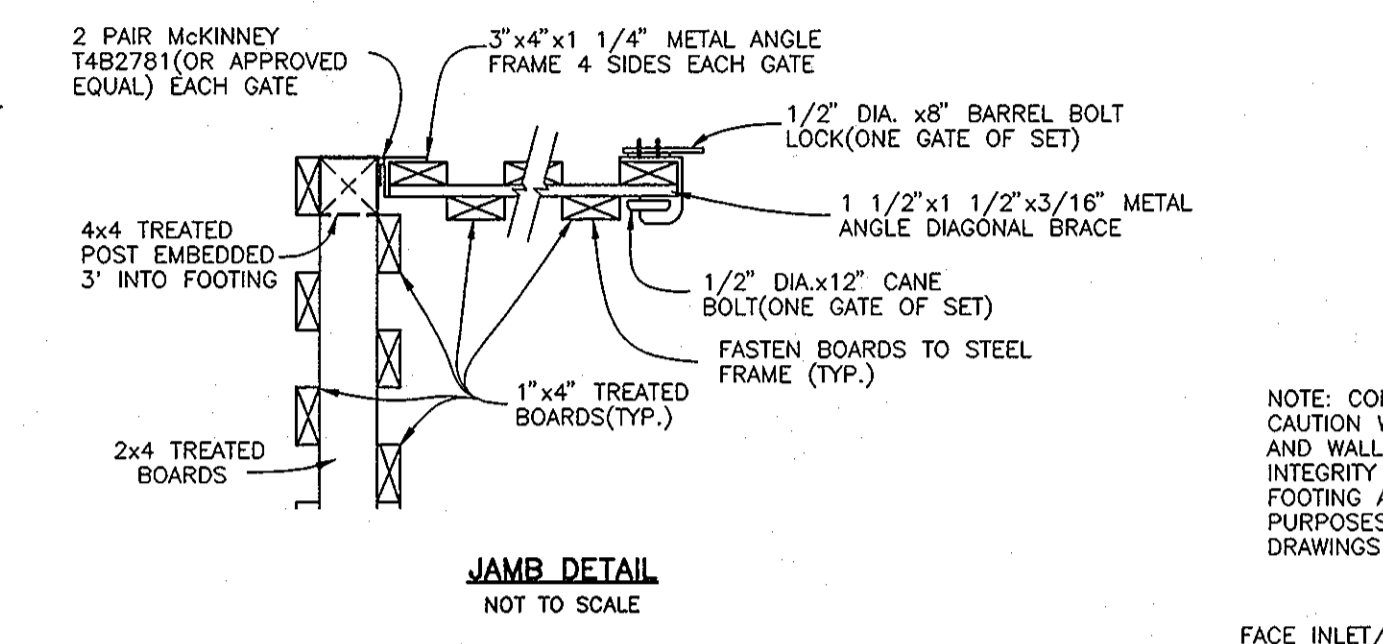
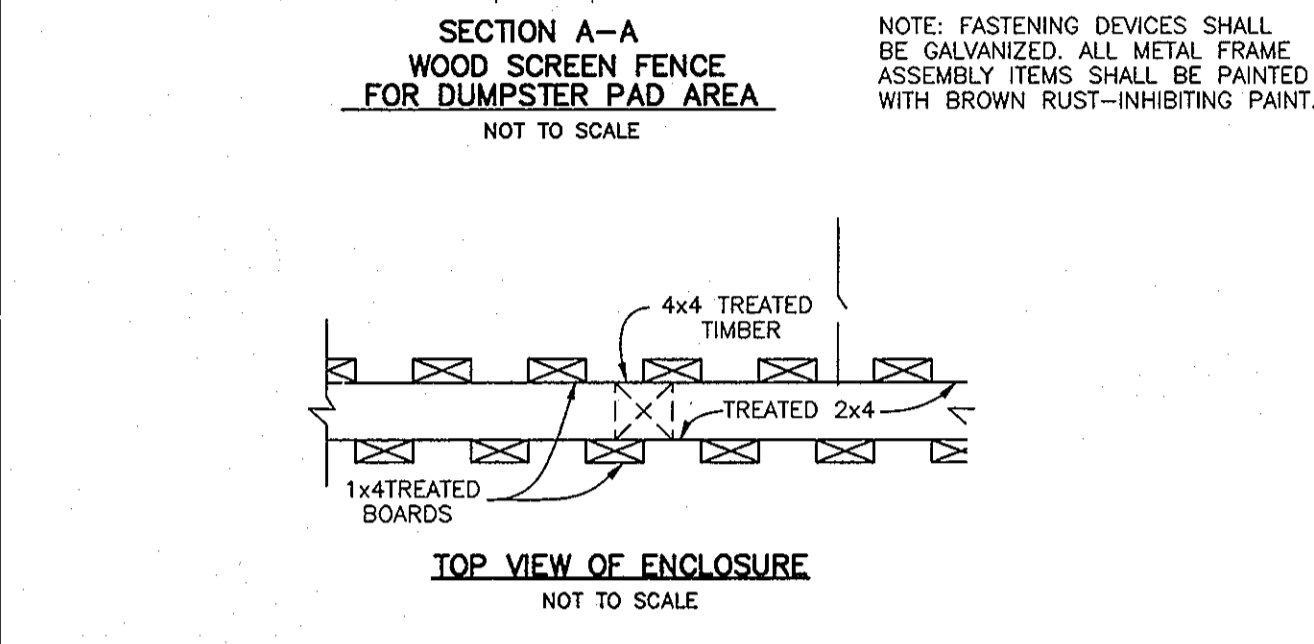
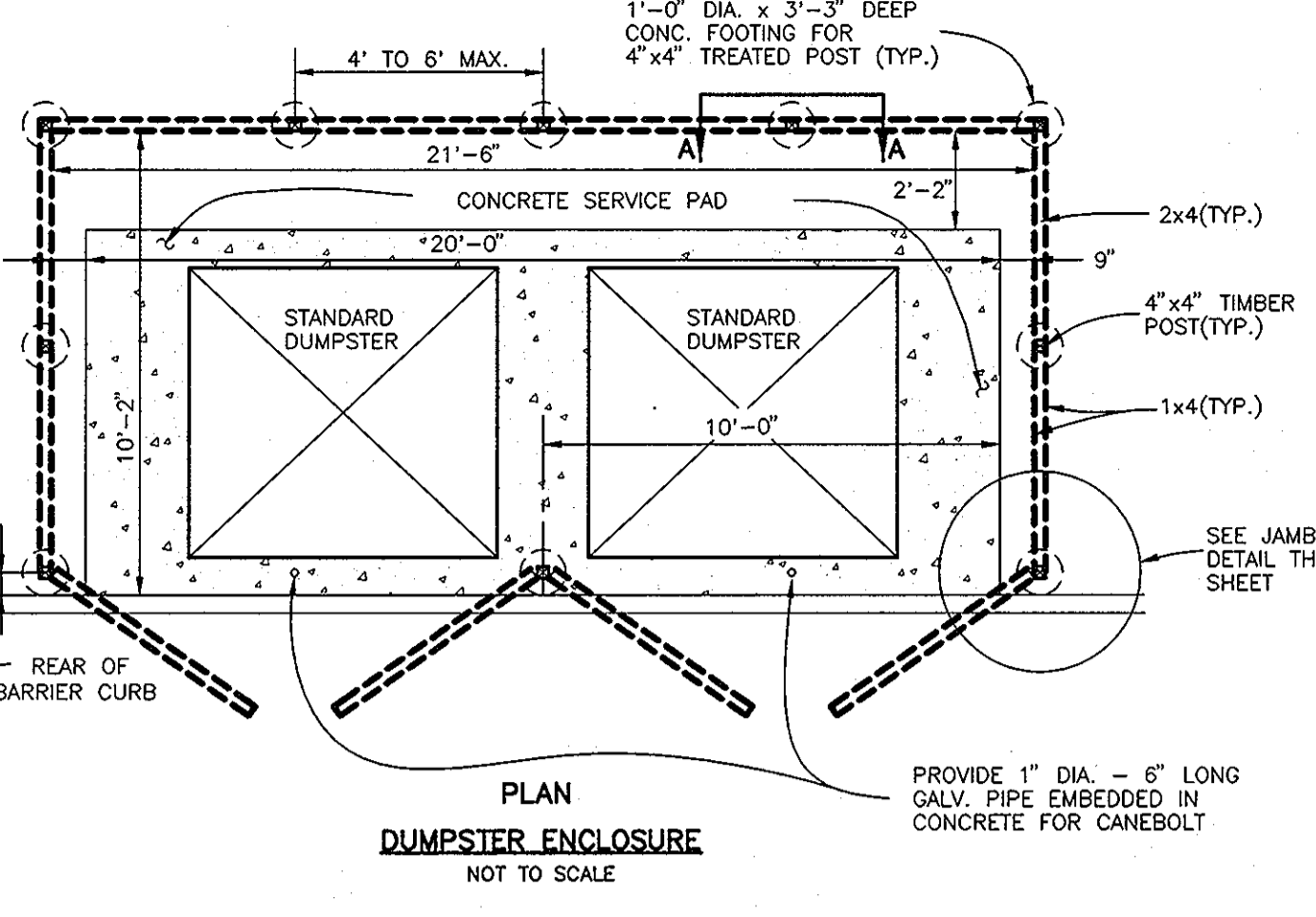
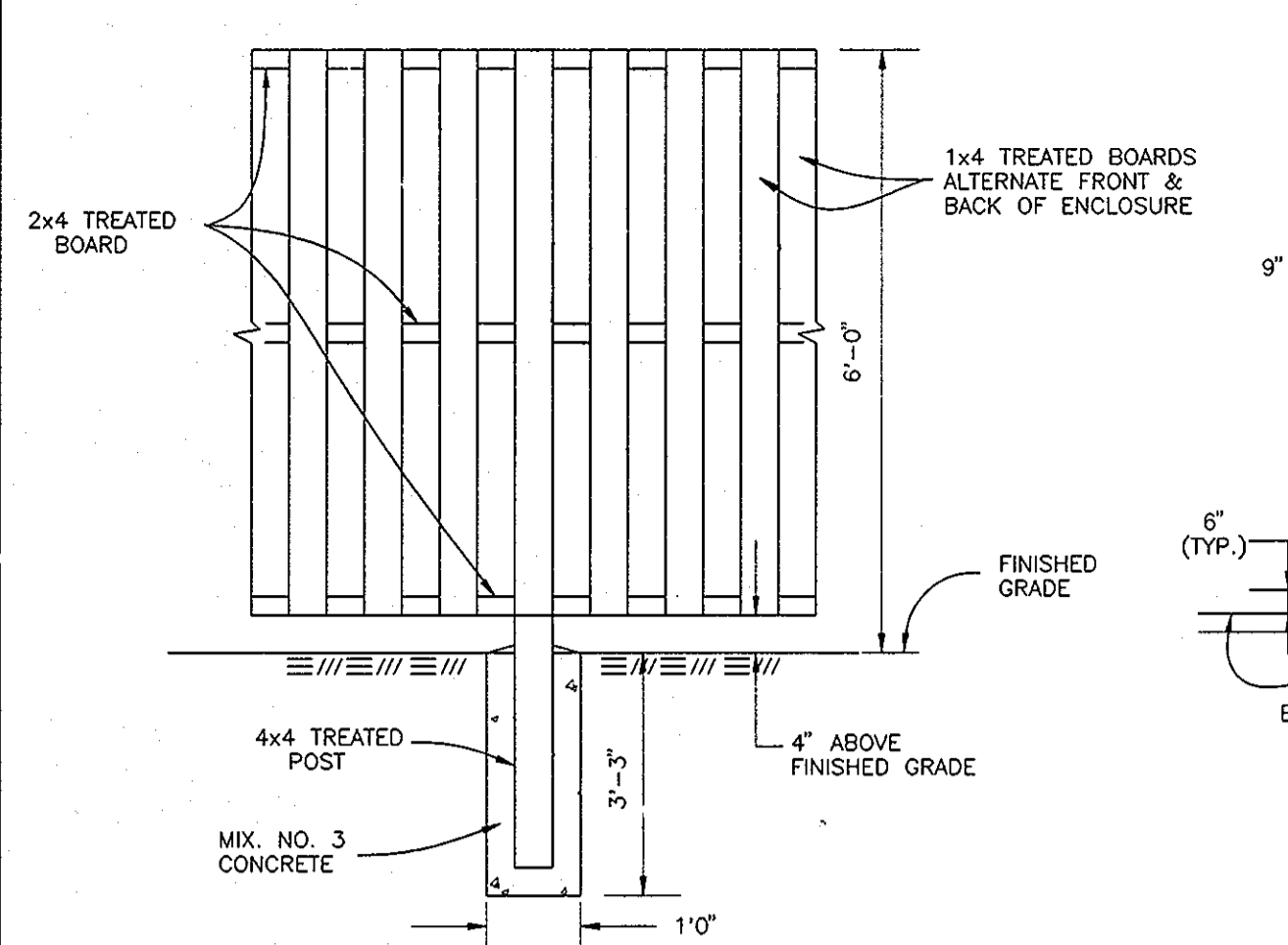
DEVELOPER: BEVARD FARM CORPORATION  
 8480 BALTIMORE NATIONAL PIKE SUITE 415  
 ELICOTT CITY, MARYLAND 21043

TITLE: SEDIMENT AND EROSION CONTROL PLAN, PROFILES & DRAINAGE AREA MAP  
 VP-88-25 VP-88-25A F-88-180 SDP-89-43 P-88-17 S-88-54

DATE: AUGUST 12, 1995  
 DECEMBER 15, 1995

PROJECT NO. 0823

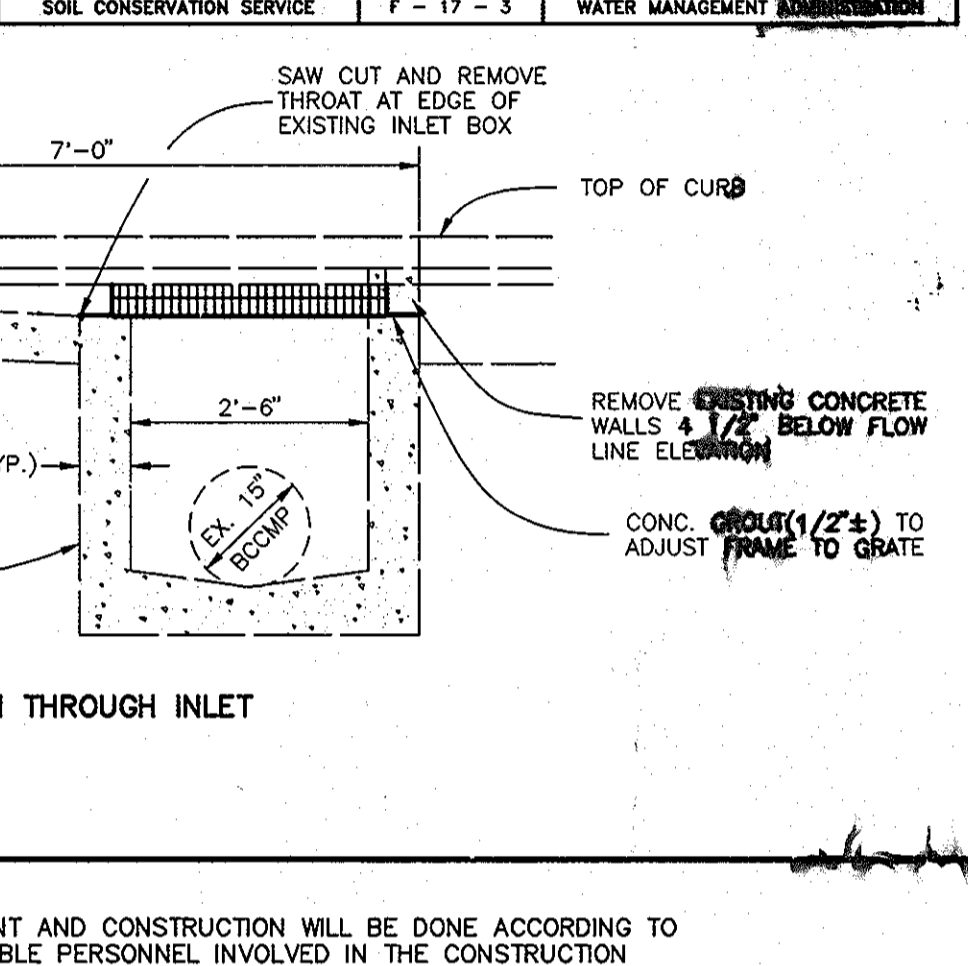
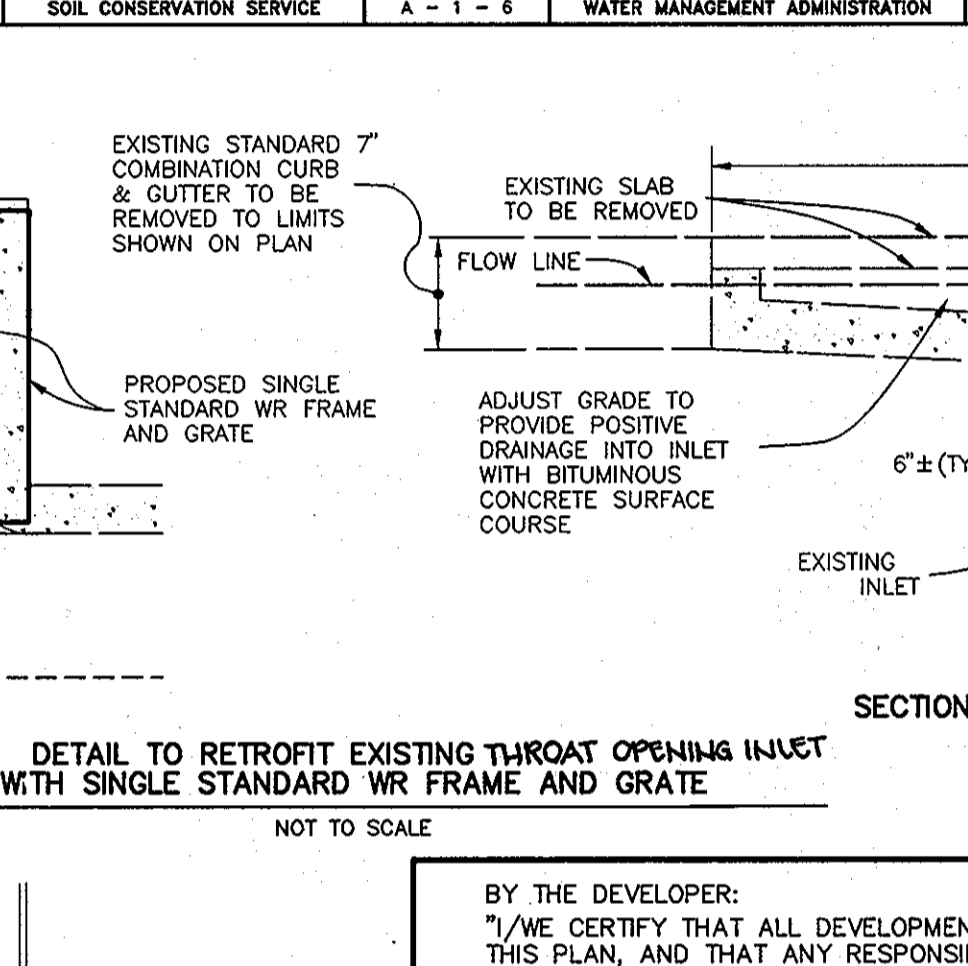
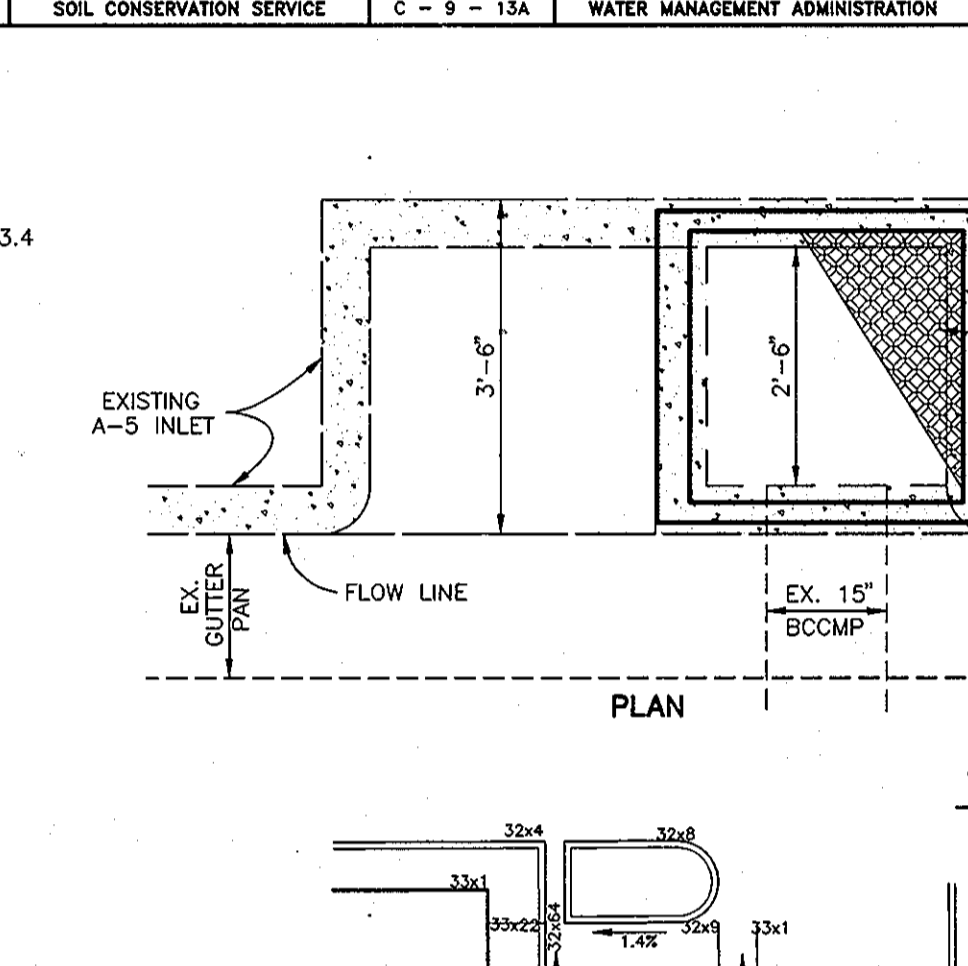
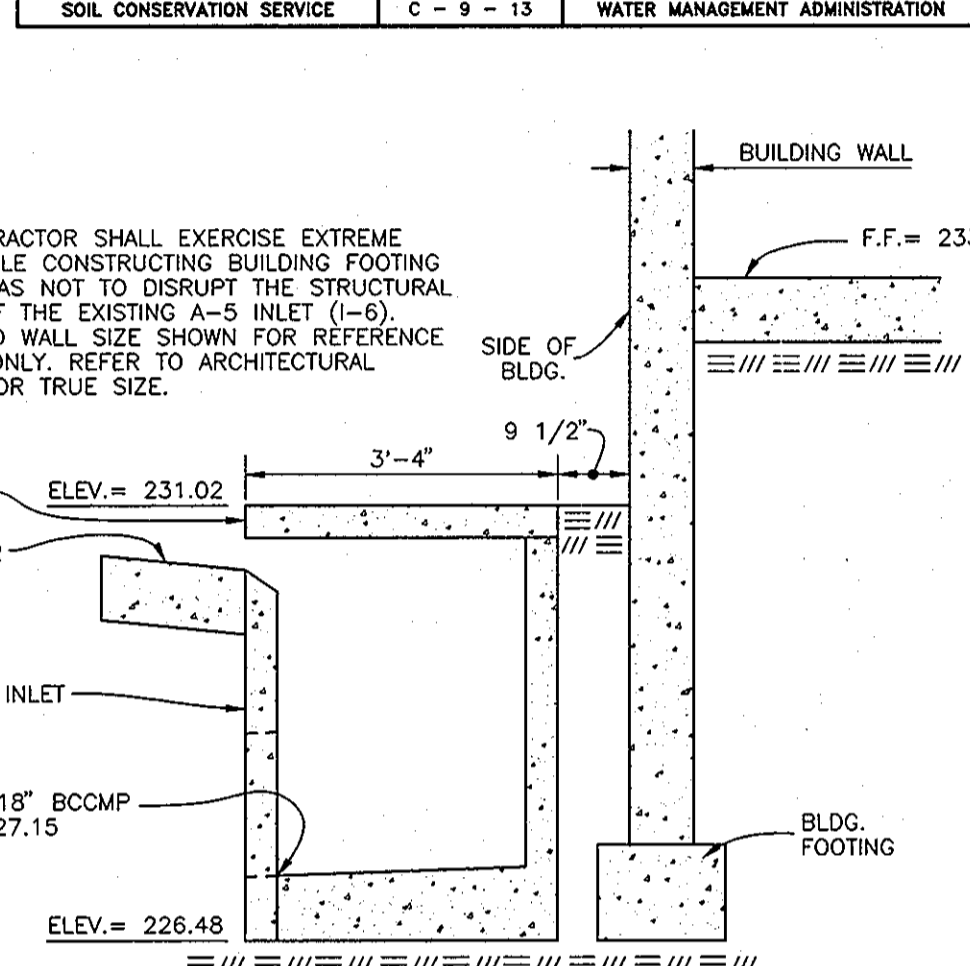
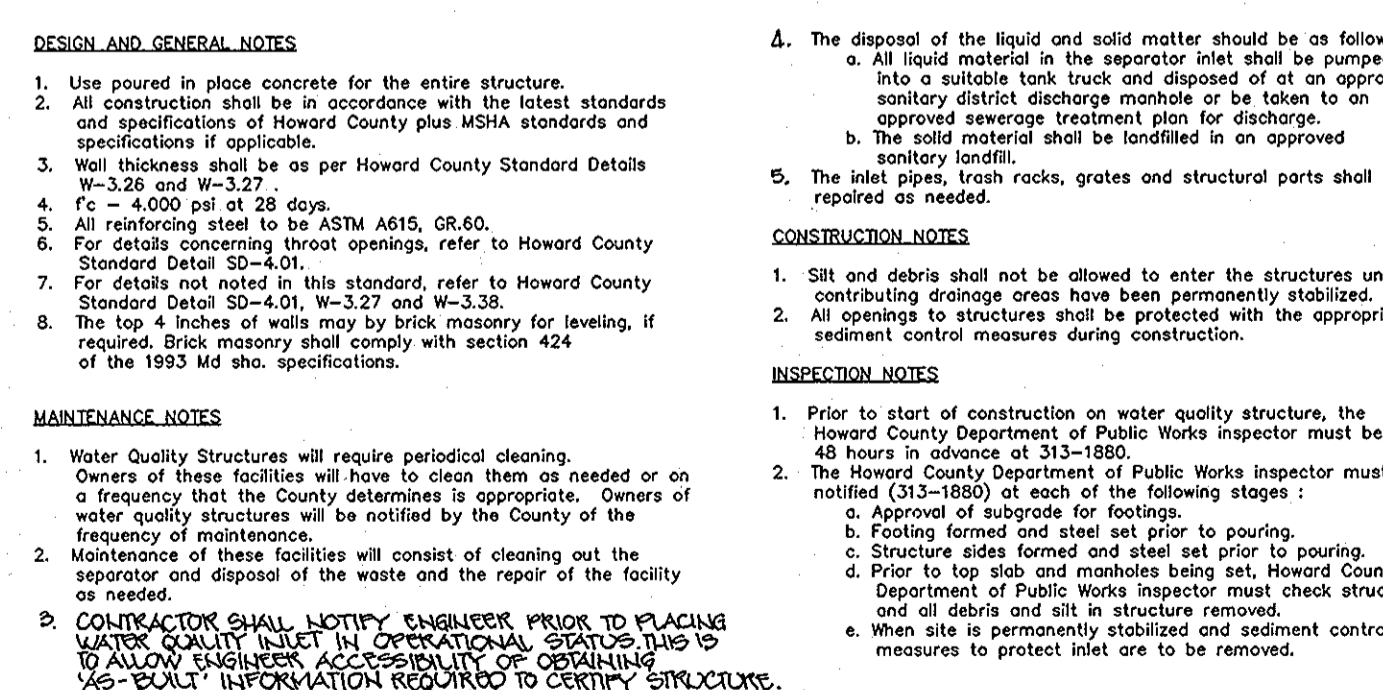
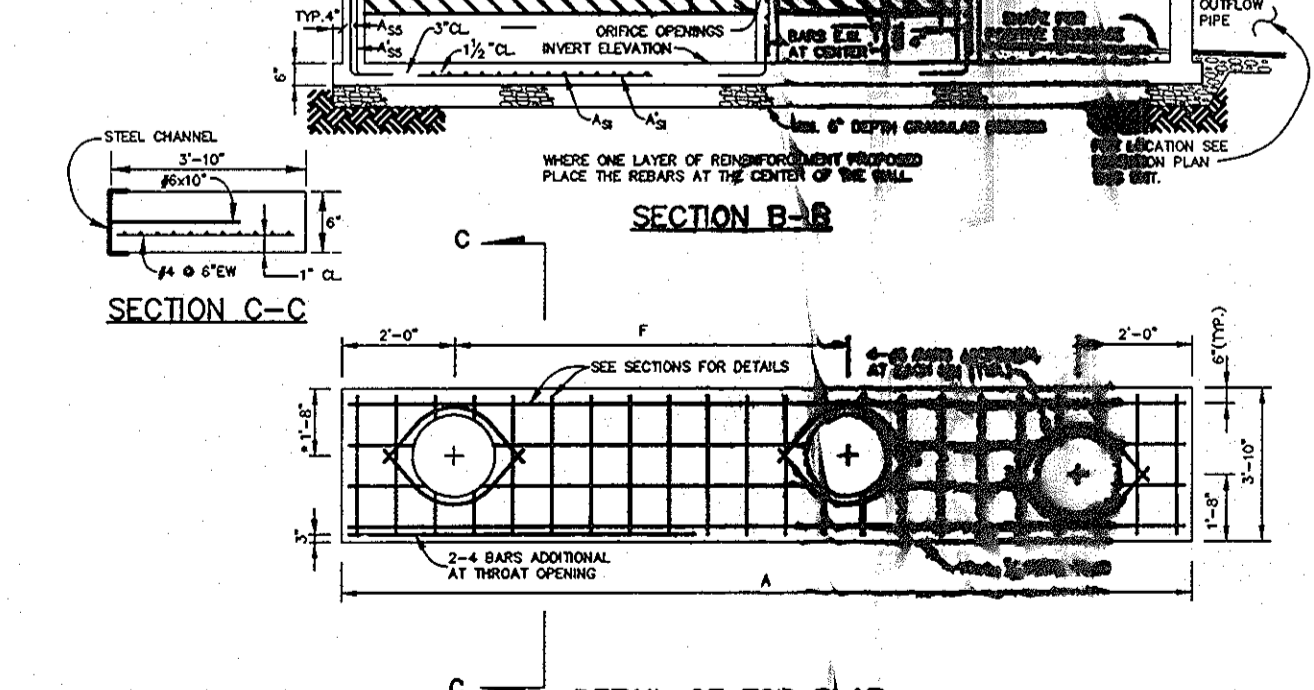
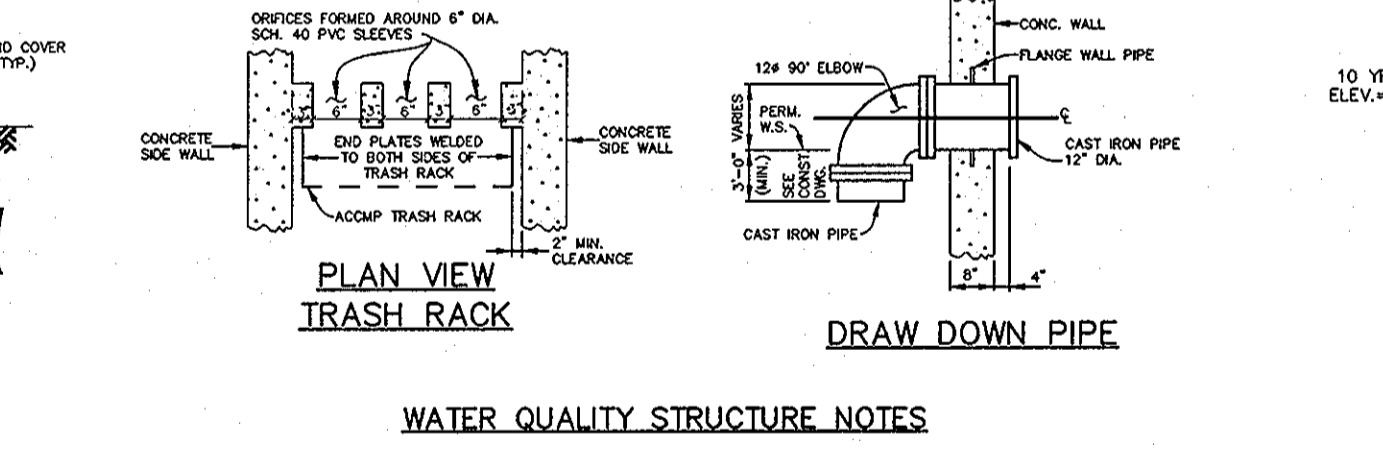
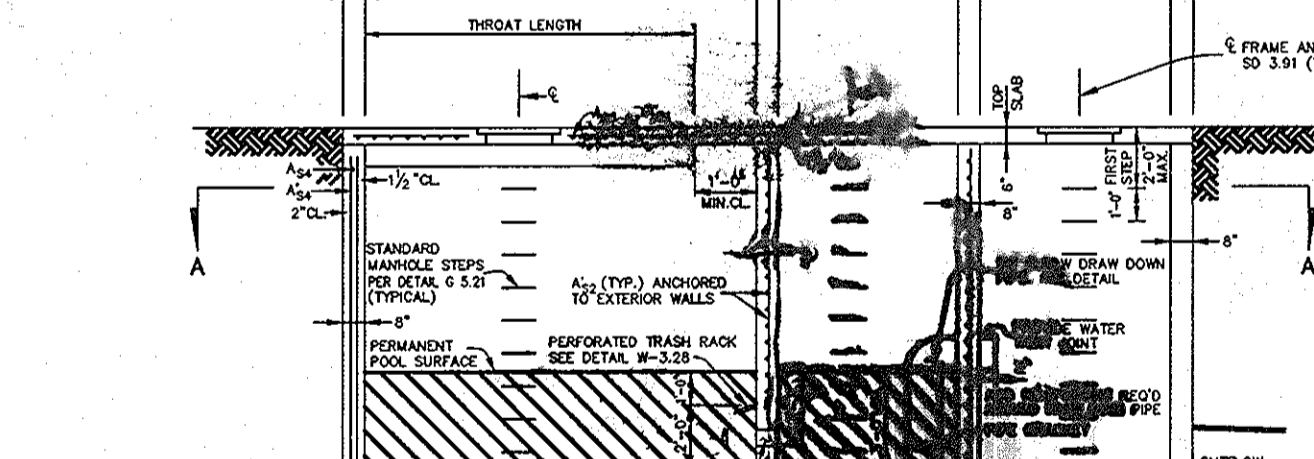
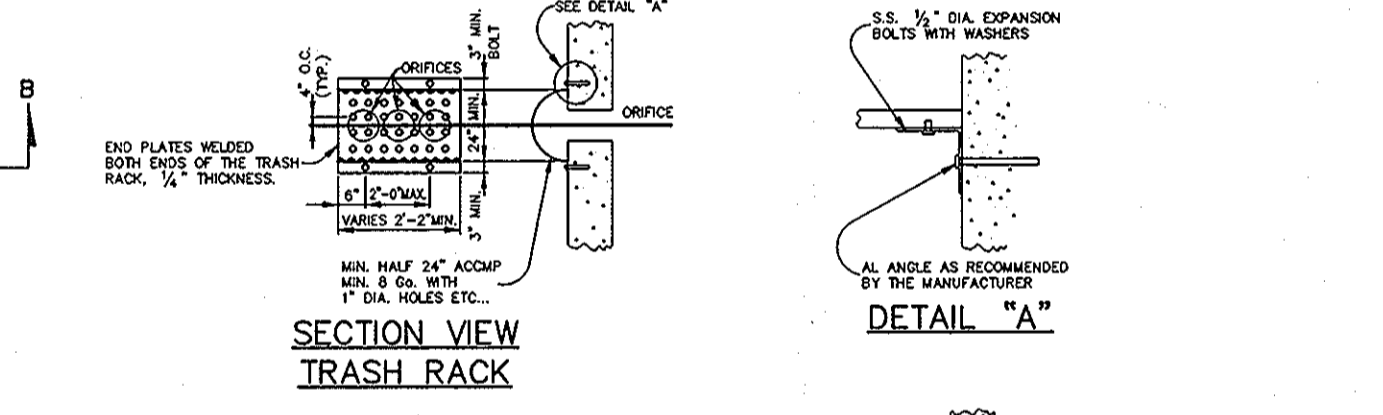
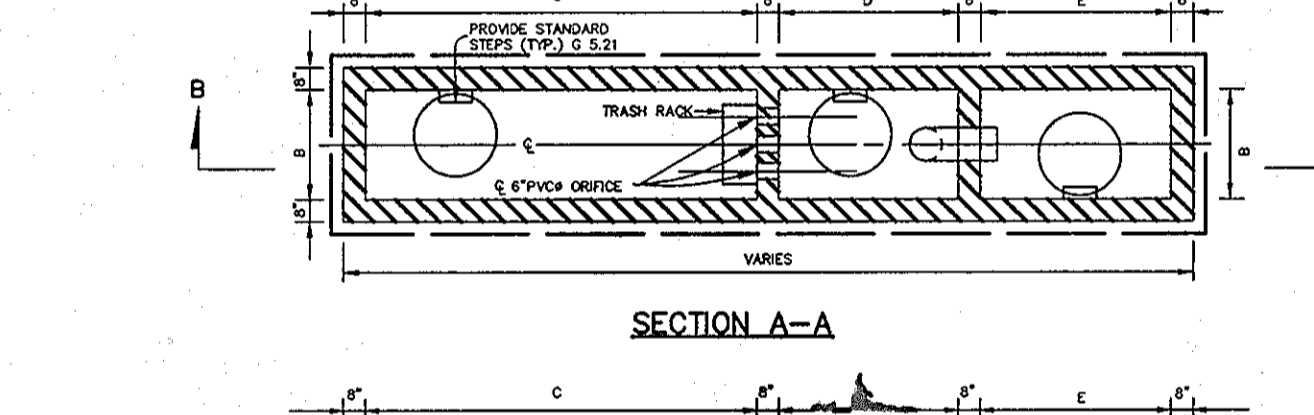
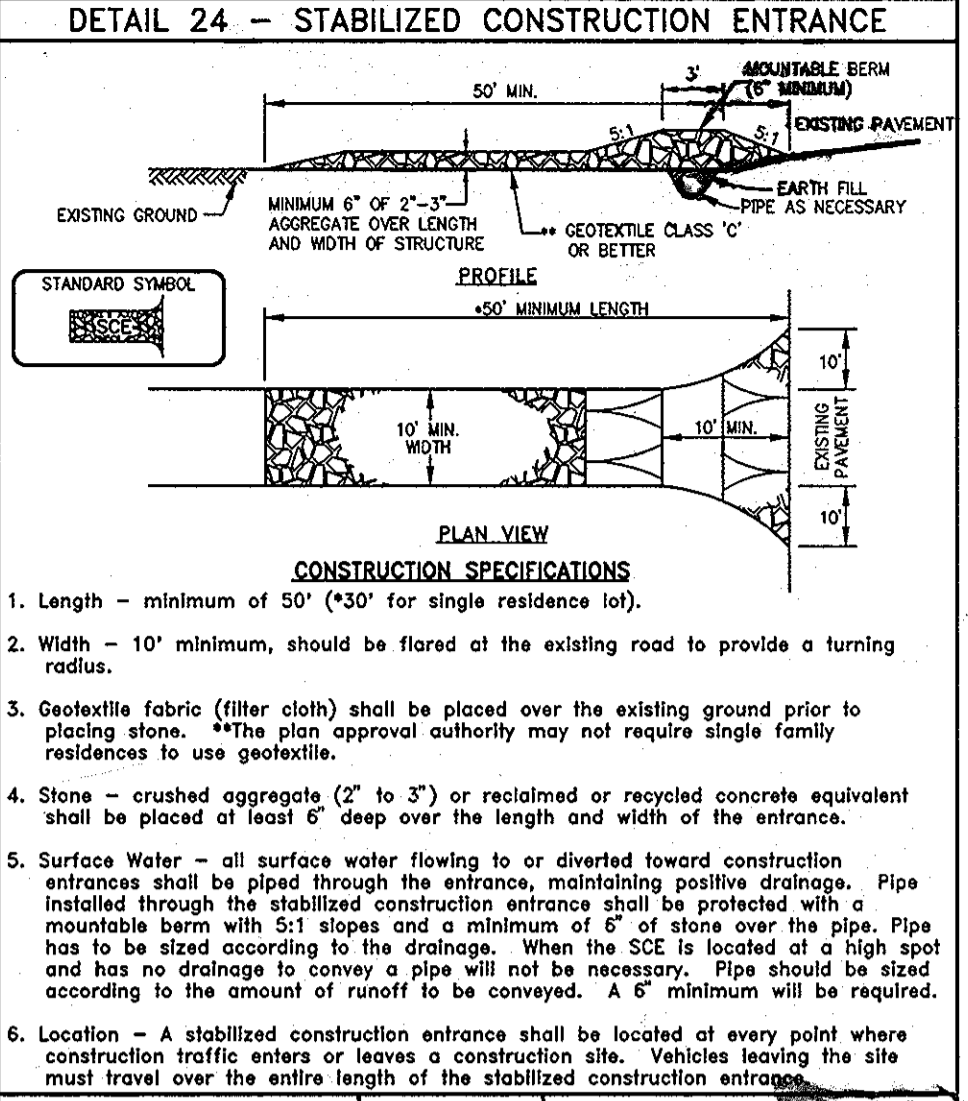
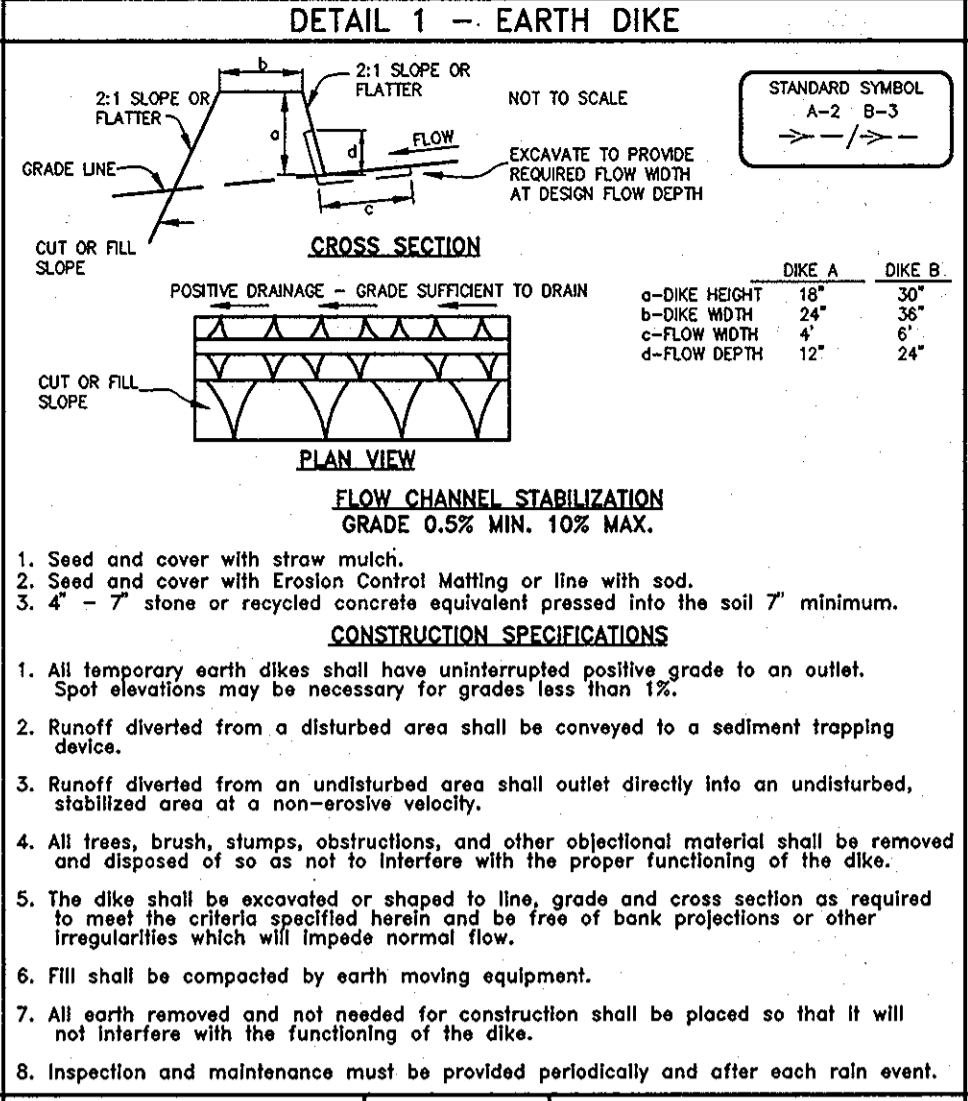
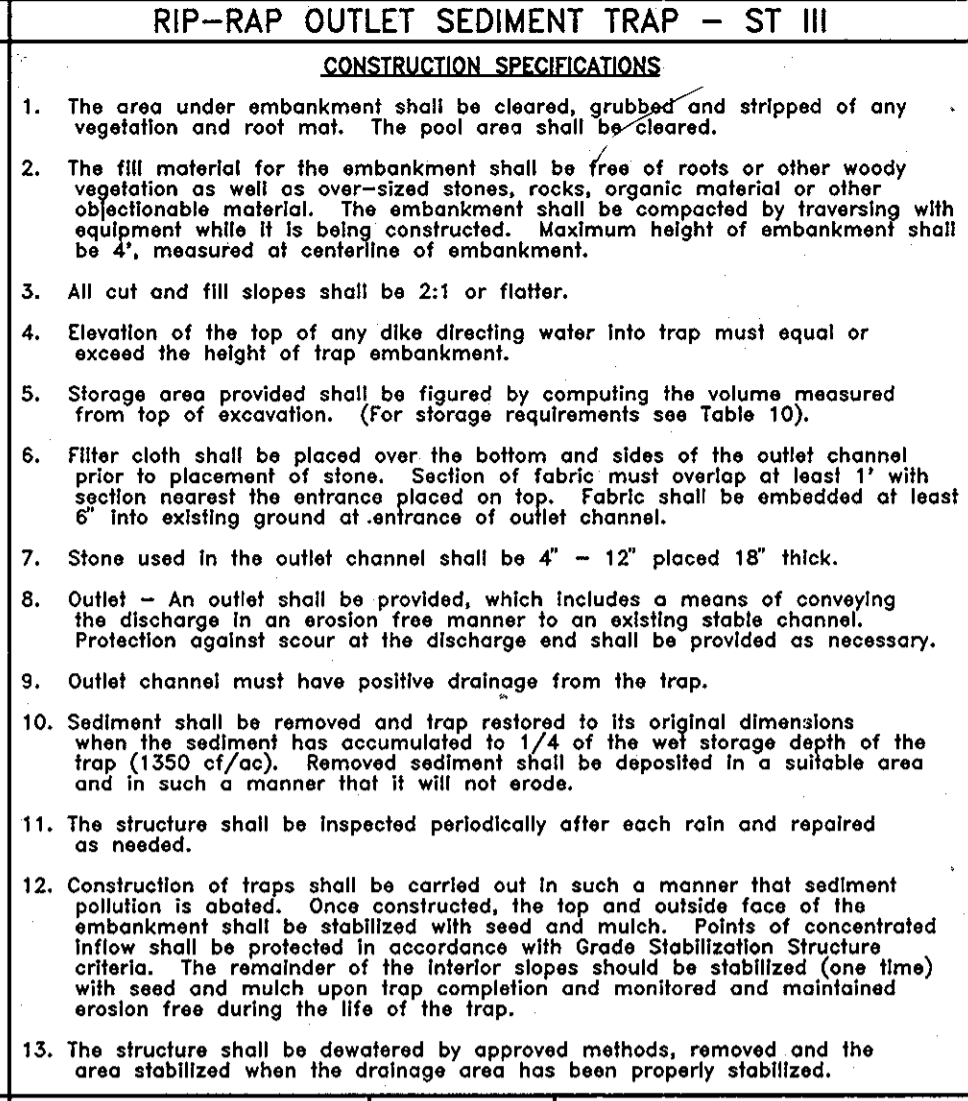
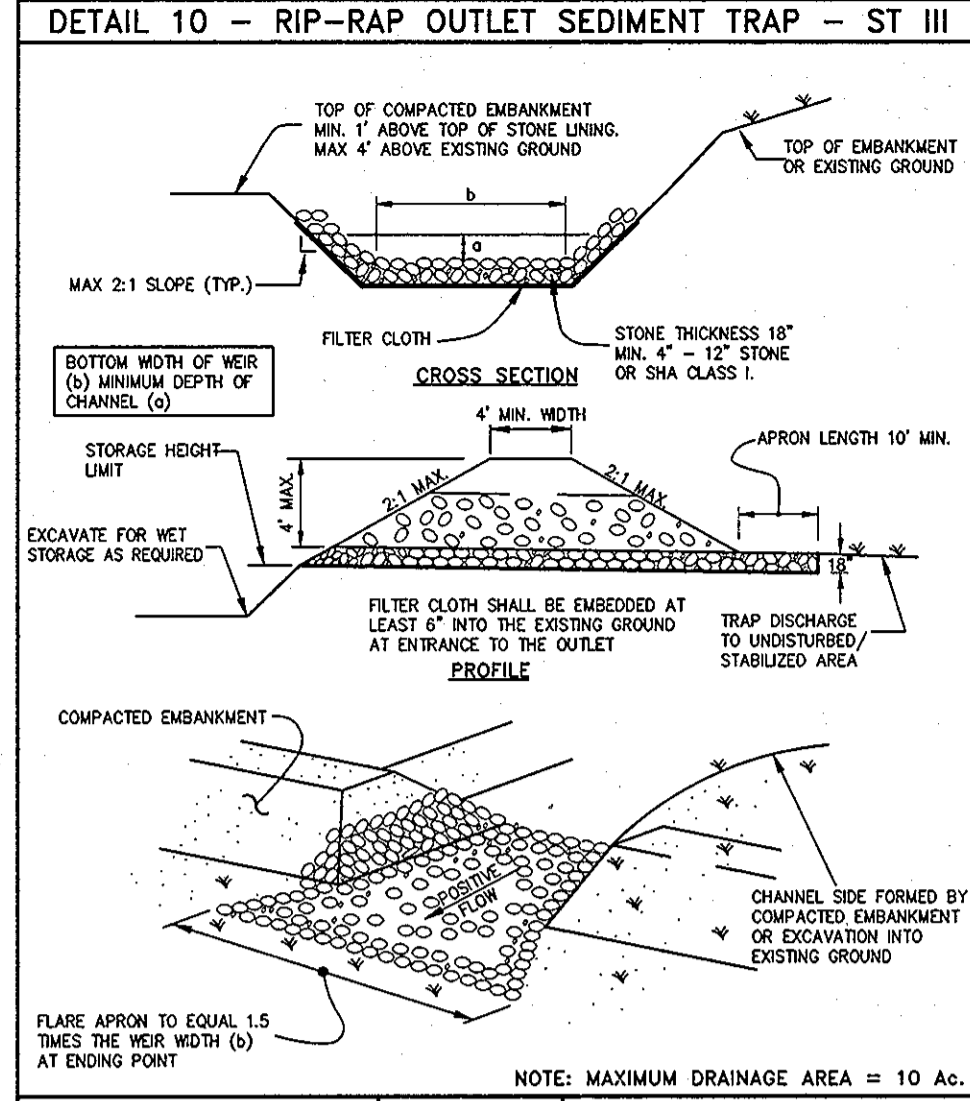
Design: DAM/GWF Draft: JCO SCALE: AS SHOWN DRAWING NO. 0823



5TH REVISION PREPARED BY BOHLER ENGINEERING 301 DULANEY VALLEY ROAD SUITE 201 TOWSON, MARYLAND 21286 PHONE 410-251-7900 FAX 410-251-7997

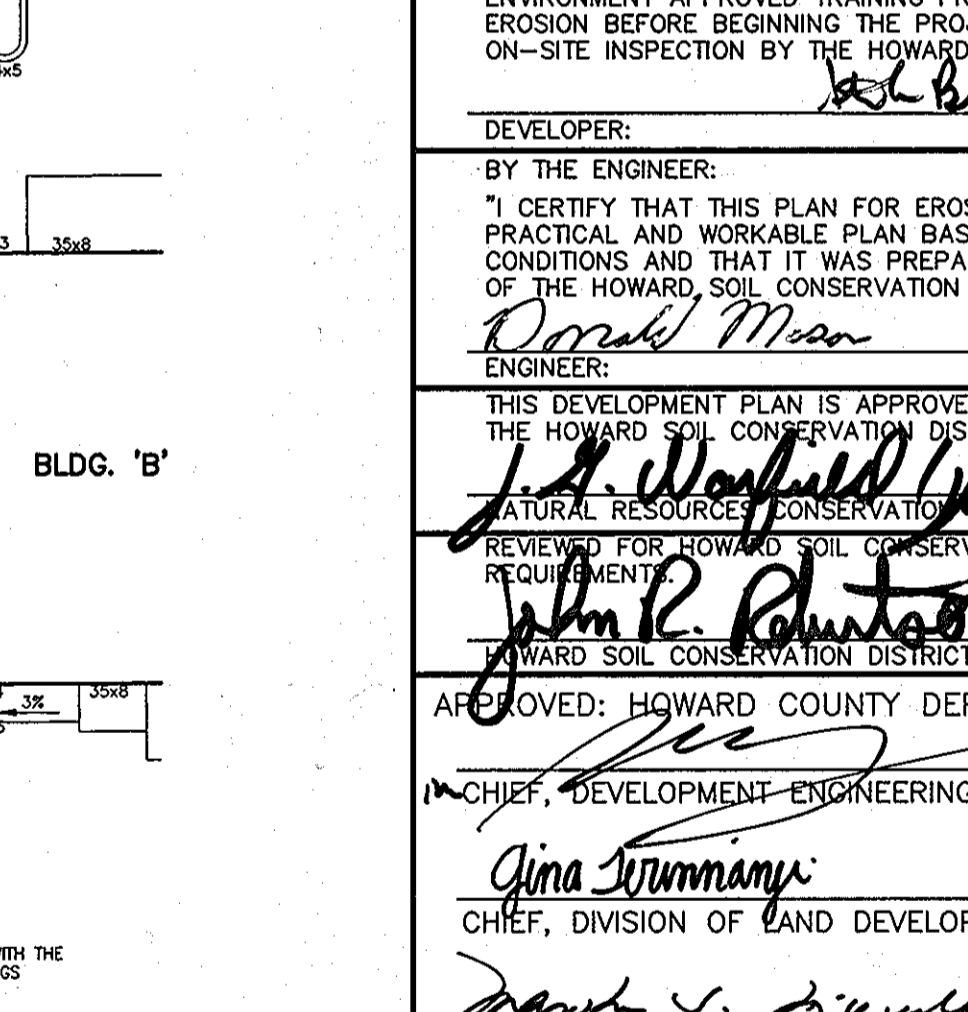
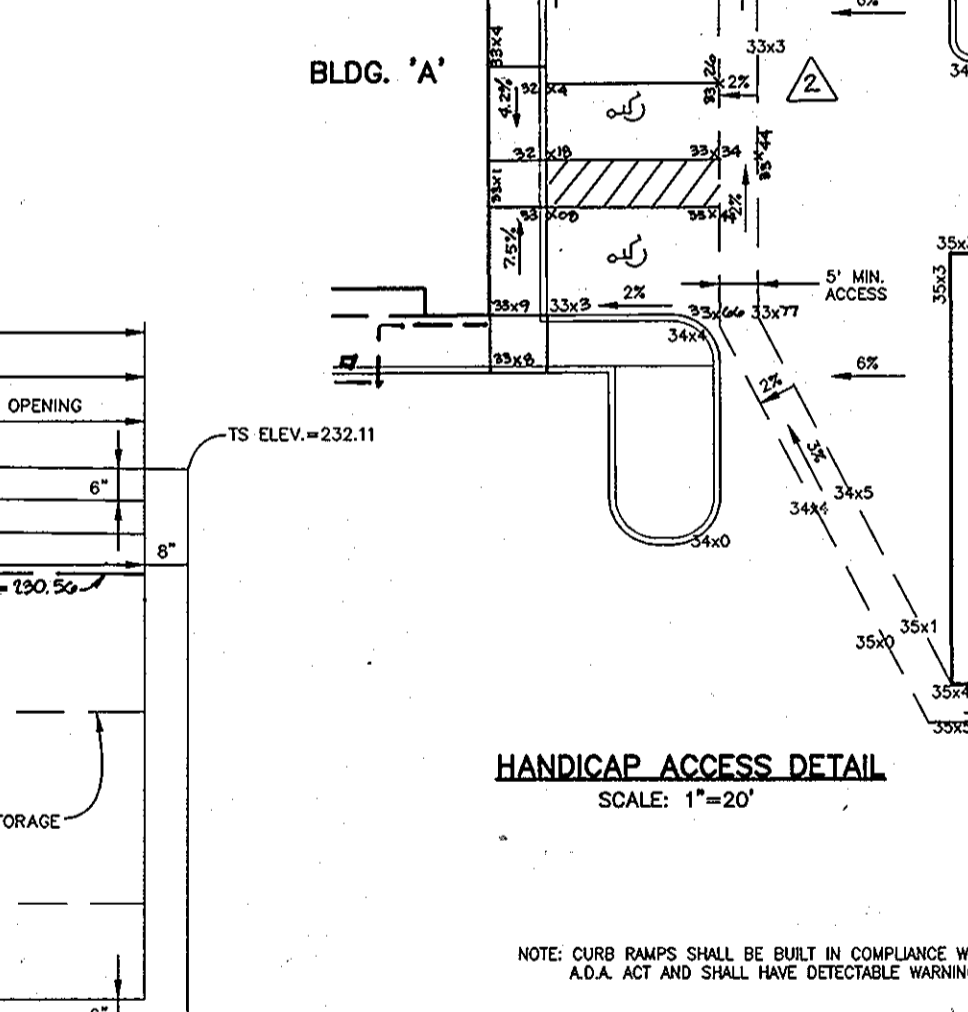
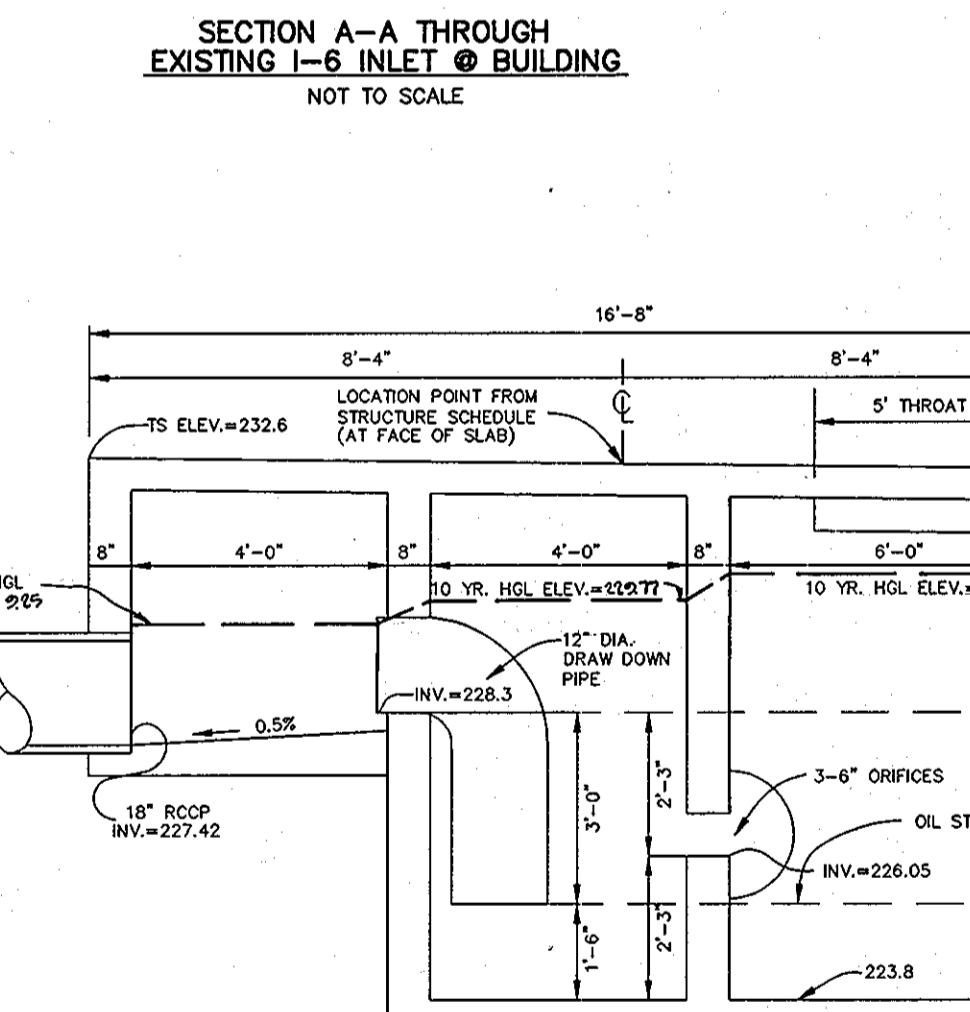
FOR 5TH REVISION ONLY

DAVID C. WOFFNER, MARYLAND LICENSE NO. 14440



BASE SLAB	PARTITION WALLS	TOP SLAB	OUTER WALLS
A <sub>S1</sub>	A <sub>S1</sub>	A <sub>S2</sub>	A <sub>S4</sub>
#5@7"	#4@12"	#4@6"	#5@6"

STRUCTURE NO.	DRAINAGE AREA (AC)	VOL. REQ'D.	VOL. PROV'D.	A	B	C	D	E	F	FLOOR SLAB ELEV.	12\"/>		
1-1	0.33 IMP.	66 CF	90 CF	18'-8"	2'-6"	8'-0"	4'-0"	4'-0"	8'-8"	224.70	229.20	7.0'	232.93
1-2	0.34 IMP.	68 CF	75 CF	16'-8"	2'-6"	6'-0"	4'-0"	4'-0"	6'-8"	223.80	228.30	5.0'	232.11



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 SOIL CONSERVATION DISTRICT.

DATE: 3-11-96

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 SOIL CONSERVATION DISTRICT.

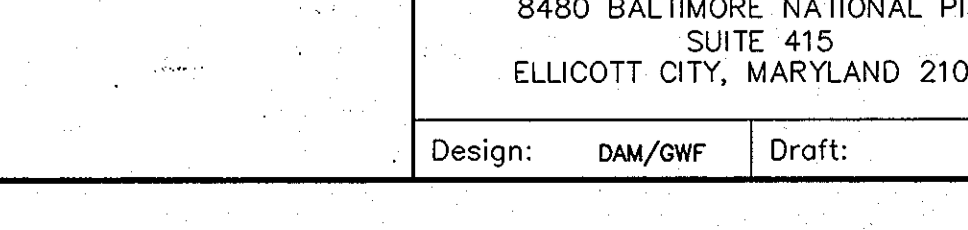
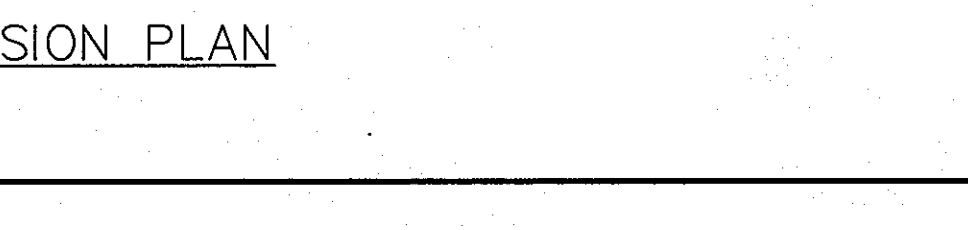
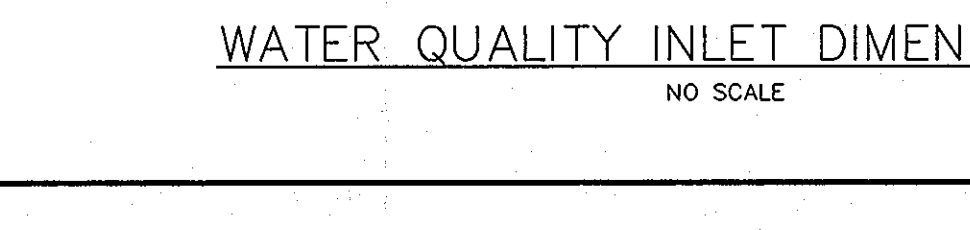
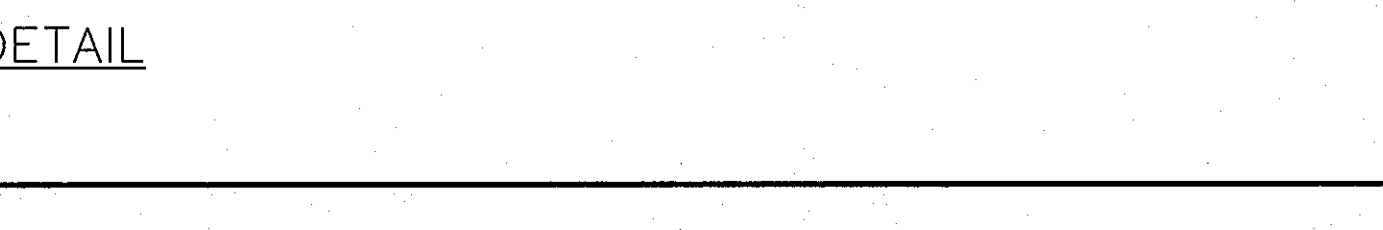
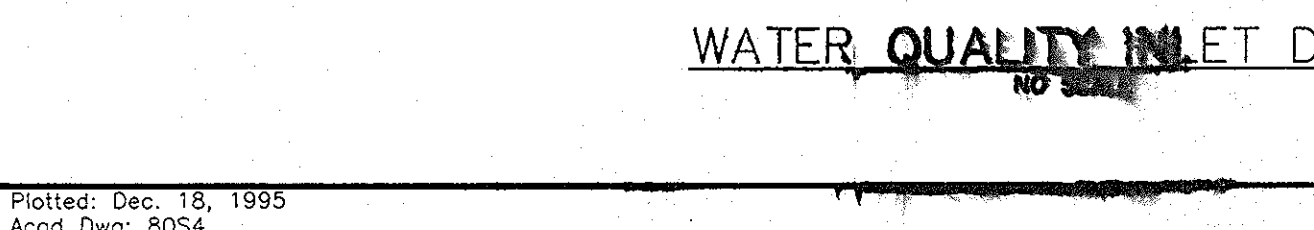
DATE: 3/19/96

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DATE: 3/19/96

DATE: 3/22/96

DATE: 3/22/96



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 ELLICOTT CITY, MARYLAND 21043

PROJECT: COLUMBIA JUNCTION SECTION 2 AREA 1 - PARCEL H

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

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

TITLE: DETAILS

DATE: AUGUST 12, 1995

PROJECT NO.: 0623

SCALE: AS SHOWN

DRAWING NO.: 3

Design: DAM/GWF Draft: JCO

SDP-96-30