

- GENERAL NOTES**
- ZONING: M-2 MANUFACTURING; HEAVY
  - AREA OF SITE = 4.081 AC.±
  - BUILDING COVERAGE = 21,000 S.F. = 12%
  - BUILDING USE = OFFICE BUILDING NO. 1, 9000 S.F. WAREHOUSE BUILDING NO. 2, 12,000 S.F.
  - ALL EXTERIOR LAMPS SHALL BE DIRECTED/REFLECTED AWAY FROM ALL ADJACENT PUBLIC ROADS AND ADJACENT PROPERTIES.
  - CONTRACTORS SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES BEFORE STARTING AND CONSTRUCTION.
  - SOIL BORINGS 1 THRU 4 WERE PERFORMED BY HERBST AND ASSOCIATES FOR THE PURPOSE OF EVALUATING SUBSURFACE AND GROUNDWATER CONDITIONS AND FEASIBILITY OF STORM WATER MANAGEMENT DISPOSAL BY INFILTRATION. SOIL BORINGS 5 AND 6 WERE PERFORMED BY HILLIS-CARNES ENGINEERING ASSOCIATES FOR THE PURPOSE OF EVALUATING SUBSURFACE FOR BUILDING LOCATION.
  - PARKING DATA (OFFICE BLDG. NO. 1) (WAREHOUSE BLDG. NO. 2)  
 A) PARKING REQUIRED = 3.3 PER 1000 S.F. OFFICE SPACE, 12,000 S.F. (15 EMPLOYEES) OFFICE SPACE 9000 S.F. (12 EMPLOYEES)  
 B) PARKING PROVIDED  
 61 STANDARD PARKING SPACES  
 3 HANDICAPPED PARKING SPACES  
 54 TOTAL PARKING SPACES
  - ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION OR AS SHOWN ON THESE PLANS.
  - ALL AREAS NOT BEING PAVED OR RECEIVING BUILDING COVERAGE SHALL BE STABILIZED IN ACCORDANCE WITH PLANS APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.
  - ANY DAMAGE TO PUBLIC RIGHT-OF-WAY AND OR ADJACENT PROPERTIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE.
  - THE CONTRACTOR SHALL NOTIFY THE CAP TELEPHONE COMPANY AND THE GAS AND ELECTRIC COMPANY FIVE (5) DAYS PRIOR TO STARTING WORK SHOWN ON THESE PLANS BY CALLING MISS UTILITY AT 1-800-257-7777.
  - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION/INSPECTION/SURVEY DEPT. OF HOWARD COUNTY, MARYLAND, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2417 OR 792-7272.
  - FOR DETAILS OF RAMPS AND SIGNS FOR THE HANDICAPPED SEE THE MARYLAND BUILDING CODE FOR THE HANDICAPPED AND AGED AND AS SHOWN ON PLANS.
  - A LEVEL SURFACE NOT LESS THAN THE WIDTH OF THE ENTRANCE AND EXTENDED FIVE (5) FEET OUT FROM THE ENTRANCE OF PROPOSED BUILDING SHALL BE MAINTAINED IN THE SIDEWALK FOR THE PURPOSE OF IDENTIFICATION BY HANDICAPPED PERSONS.
  - TOTAL SQUARE FOOTAGE OF BUILDINGS ARE 21,000 SQ. FT.
  - WF-07-99, AS OF MARCH 12, 1997, THE PLANNING DIRECTOR APPROVED YOUR REQUEST TO WAIVE SECTION 16.116 TO PERMIT GRADING WITHIN WETLAND BUFFER AND REMOVAL OF VEGETATIVE COVER IN WETLAND.
  - WF-09-15, AS OF SEPTEMBER 1, 1999, THE PLANNING DIRECTOR APPROVED YOUR REQUEST TO WAIVE SECTION 16.156 (K) TO REACTIVATED SDP-97-44, & WF-97-99.
  - THE FOREST CONSERVATION OBLIGATIONS INCURRED BY THIS SITE DEVELOPMENT PLAN (2.09 ACRES OF FORESTATION) HAVE BEEN MET BY PAYMENT OF \$27,512.00 TO THE HOWARD COUNTY FOREST CONSERVATION FUND.
  - BENCH MARKS: FCG #102, N 478041.4625 FCG #103, N 475622.1477 (REBAR) E 854682.8894 (REBAR) E 854825.3659 W/CP# ELEV. 181.70 (REBAR) E 854825.3659 W/CP# ELEV. 177.20
  - PREVIOUS FILE NO. F-11-123, SDP-97-44

NOTE: ALL PROPOSED LANDSCAPING TO BE MAINTAINED BY THE PROPERTY OWNER.

**LANDSCAPE LEGEND**

● SHAPE TREE	ACER RUBRUM OCTOPUS GLORY RED MAPLE 2 1/2' - 3' CAL.
⊗ EVERGREEN	PINUS STROBUS EASTERN WHITE PINE 6'-8' HEIGHT
○ SHRUB	AZALEA BLACKBERRY BLAU'S PINK AZALEA 18" - 24" SH.

**SHEET INDEX**

SHEET NO.	TITLE
1 OF 5	SITE DEVELOPMENT & LANDSCAPING PLAN
2 OF 5	SEDIMENT CONTROL & DRAINAGE AREA MAP
3 OF 5	NOTES & DETAILS
4 OF 5	S.W.M. POND NOTES & DETAILS
5 OF 5	NOTES & DETAILS

**REVISION**

REVISION	DESCRIPTION	DATE
1	ADDED STORAGE AREA IN ATTIC TO PROP. BLDG.	6/15/99
2	ADD PROPOSED WAREHOUSE BLDG. & PARKING	4/8/99
3	Show ex. Landscaping rev. per meet with DLD	12-27-11

**ADDRESS CHART**

PARCEL	STREET ADDRESS
J	10411 GUILFORD ROAD (WAREHOUSE BLDG. NO. 2)
J	10401 GUILFORD ROAD (OFFICE BLDG. NO. 1)

**ENGINEER'S CERTIFICATE**

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. I HAVE NOTIFIED THE DEVELOPER THAT HE/MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

*Joseph Parnowski*  
REGISTERED PROFESSIONAL ENGINEER  
DATE: 2-17-99

**DEVELOPER'S CERTIFICATE**

I HEREBY 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 SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Richard W. Zuhm*  
PRESIDENT  
DATE: 6/18/96

**OWNER / DEVELOPER**

LANOTECH CONSTRUCTION, INC.  
7752 WOODMONT AVENUE, SUITE 208  
BETHESDA, MARYLAND 20814  
410-953-2532

**APPROVED: DEPARTMENT OF PLANNING AND ZONING**

*Chris Hamilton*  
Chief, Division of Land Development  
DATE: 3/1/99

*William J. ...*  
Chief, Development Engineering Division  
DATE: 3/1/99

*David ...*  
DIRECTOR  
DATE: 3/1/99

**REVISIONS:**  
3/1/99  
3/1/99

**SUBDIVISION: BALTIMORE WASHINGTON INDUSTRIAL PARK**

**SECTION/AREA: BLOCK C**

**PARCEL: J**

PLAT NO.	BLOCK NO.	ZONE	TAX ZONE	ELEC. DIST.	CENSUS TR.
9866	7	M-2	4B	C	60C901

**WATER CODE: B-02**      **SEWER CODE: 420200**

**SITE DEVELOPMENT PLAN**

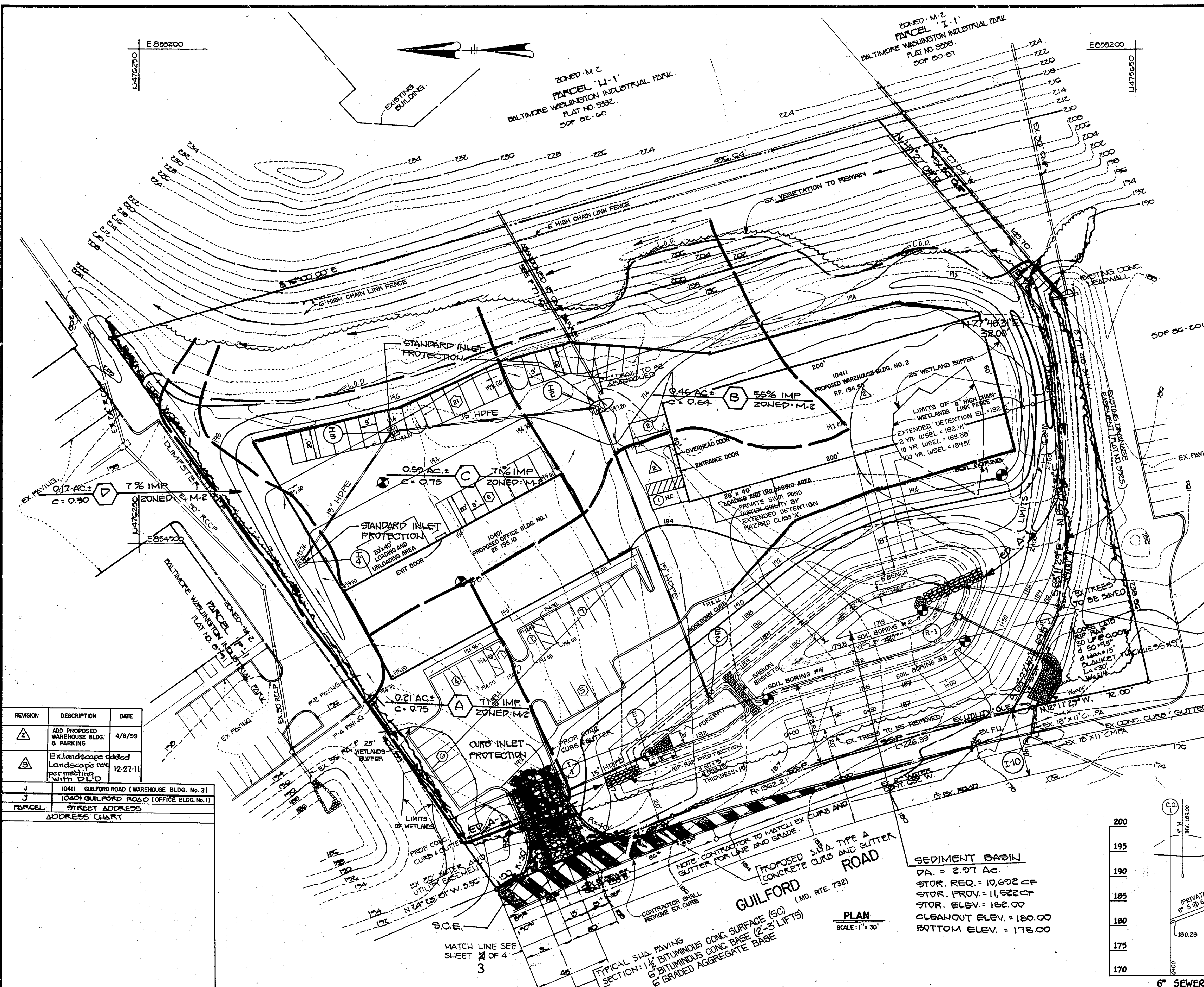
**BALTIMORE WASHINGTON INDUSTRIAL PARK**

**PARCEL "J" BLOCK "C"**

TAX MAP No. 48 PARCEL: P/O 107  
ELECTION DISTRICT: HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE: JANUARY, 97

SHEET 1 OF 5





SCHEDULE A  
PERIMETER LANDSCAPE EDGE

Category	Adjacent to Roadways	Adjacent to Roadways
Landscape Type	B	E
Linear Feet of Roadway Frontage/Perimeter	382	32
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	NO	NO
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	-	-
Number of Plants Required		
Evergreen Trees	167	1
Shrubs	167	8
Number of Plants Provided		
Evergreen Trees	1107	1
Other Trees (2:1 substitution)	1107	8
Shrubs (10:1 substitution) (Describe plant substitution credits below if needed)		

NOTE: Credit given for existing vegetation

**TEMPORARY SEEDING NOTES**

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

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

**SOIL AMENDMENTS:**  
APPLY 500 LBS. PER ACRE 10-10-10 FERTILIZER OR LBS./1000 SQ.FT.

**SEEDING:**  
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 BURNEL PER ACRE OF ANNUAL RYE GRASS (LBS./ACRE) OF MIXING LOYDESS (LBS./1000 SQ.FT.) FOR THE PERIOD NOVEMBER 15 THRU FEBRUARY 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING OR USE 500.

**MULCHING:**  
APPLY 15 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNMOTTLED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TOOL OR 200 GALLONS PER ACRE IS GALLON SQ.FT. OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPES 8 FEET OR HIGHER. USE 340 GALLONS PER ACRE 8 GALLON/1000 SQ.FT. FOR ANCHORING.

REFER TO THE 1986 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**PERMANENT SEEDING NOTES**

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

**SEEDING PREPARATION:**  
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

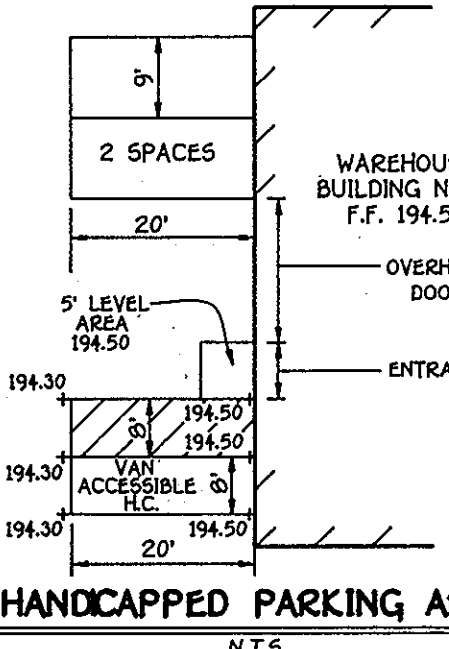
**SOIL AMENDMENTS:**  
APPLY TWO TONS PER ACRE DOLICHITE LIME (92 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE 9-20-20 FERTILIZER (92 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT THE END OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 URZAFOSIN FERTILIZER (92 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE 0.5 LBS./1000 SQ.FT. OF 10-20-20 FERTILIZER.

**SEEDING:**  
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.5 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.5 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WELLS ANCHORED STRAW MULCH. FOR THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE 500. OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELLS ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

**MULCHING:**  
APPLY 1 TO 2 TONS PER ACRE (50 TO 90 LBS./1000 SQ.FT.) OF UNMOTTLED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE IS GALLON/1000 SQ.FT. OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPES 8 FEET OR HIGHER. USE 340 GALLONS PER ACRE 8 GALLON/1000 SQ.FT. FOR ANCHORING.

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

\* FOR PUBLIC PONDS SUBSTITUTE CHEMICAL CROWWEEDATCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTION WITH SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

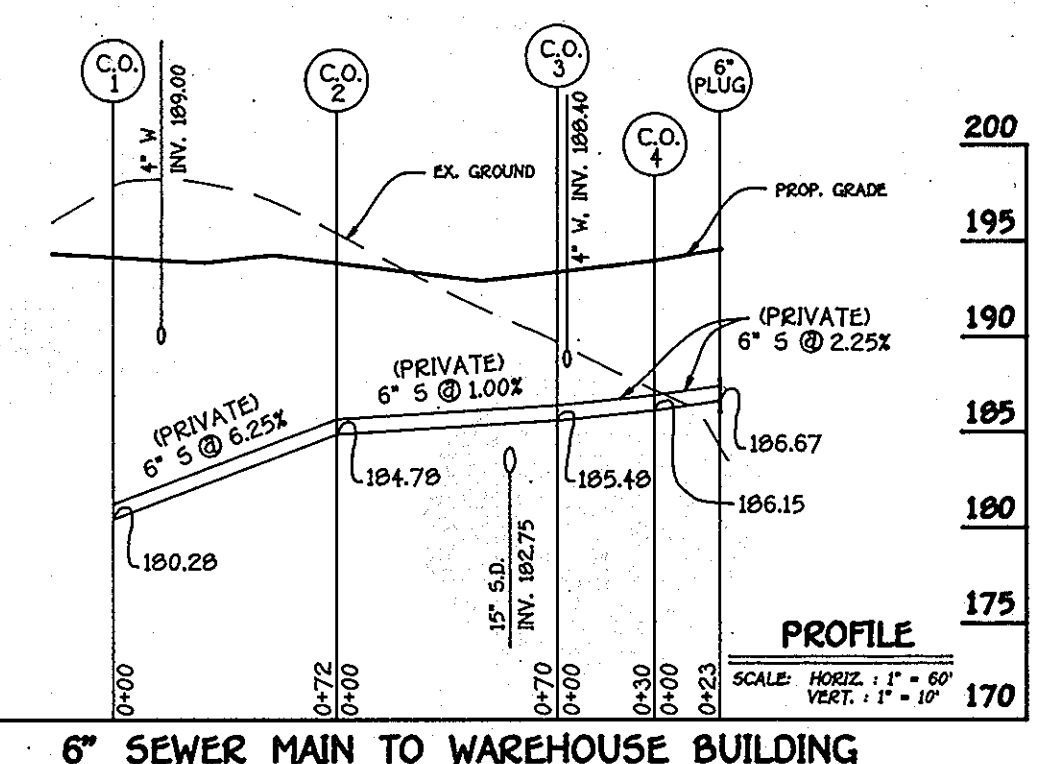


SCHEDULE B  
PARKING LOT INTERNAL LANDSCAPING

Number of Parking Spaces	54
Number of Trees Required	3
Number of Trees Provided	3
Shade Trees	3
Other Trees (2:1 substitution)	—

**CONSTRUCTION SEQUENCE**

- OBTAIN GRADING PLAN.
  - CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, EARTH DITCH AND SILT FENCE.
  - CONSTRUCT STORMWATER MANAGEMENT FACILITIES AND STORM DRAINS.
  - GRADE ROAD, PARKING LOT AND GRAVEL WORK YARD TO SUBGRADE.
  - THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.
  - SEDIMENT SHALL BE REMOVED FROM THE POND WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED. THE POND SHALL BE DEMATERED BY PUMPING. SEDIMENT SHALL BE PLACED UP HILL FROM THE SITE.
  - REMOVE SEDIMENT FROM EX-ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
  - CONSTRUCT ALL BUILDINGS AND UTILITIES.
  - FINISH GRADE SITE.
  - INSTALL CURB AND GUTTER AND SUB-BASE ON ROADS AND PARKING AREAS.
  - REMOVE STONE CONSTRUCTION ENTRANCE, CLEAN BASE COURSE. APPLY TACK COAT AND LAY SURFACE COURSES.
  - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.
  - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR PERIMETER SEDIMENT CONTROL STRUCTURES, SLOPES GREATER THAN 2:1; 5) 14 DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - COMPLETE STABILIZATION OF ALL DISTURBED AREAS SHALL BE DONE PRIOR TO REMOVAL OF ALL SEDIMENT CONTROLS.
  - ERECT TEMPORARY SEDIMENT CONTROL BASIN TO PERMANENT STORMWATER MANAGEMENT POND. REMOVE BLOCKING ON LOW FLOW ORIFICE. INSTALL DETAIL SHEET 3 OF 4.
  - NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS FOR FINAL INSPECTION AT DURATION OF PROJECT (301) 732-7272.
  - IF WATER IS ENCOUNTERED DURING CONSTRUCTION REMOVAL WILL BE DONE BY PUMPING.
18. THE SEDIMENT BASIN WILL CONTINUE TO BE USED FOR SEDIMENT CONTROL DURING THE CONSTRUCTION OF THIS ADDITIONAL BUILDING AND THEREFORE WILL NOT BE CONVERTED TO STORMWATER MANAGEMENT UNTIL THE SITE IS FULLY STABILIZED.



REVISION	DESCRIPTION	DATE
1	ADD PROPOSED WAREHOUSE BLDG. & PARKING	4/8/99
2	Ex. landscape added. Landscape rev. per meeting with client.	12-27-11

J	10411 GUILFORD ROAD (WAREHOUSE BLDG. NO. 2)
J	10401 GUILFORD ROAD (OFFICE BLDG. NO. 1)

PARCEL STREET ADDRESS ADDRESS CHART

**ENGINEER'S CERTIFICATE**

"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. I HAVE NOTIFIED THE DEVELOPER THAT HE/MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD COUNTY CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21114  
4100 66 - 2955

**STATE OF MARYLAND**  
REGISTERED PROFESSIONAL ENGINEER

Signature: Joseph J. ...  
DATE: 3-17-98

**DEVELOPER'S CERTIFICATE**

"I ME 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 SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD COUNTY CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY CONSERVATION DISTRICT."

Signature: ...  
DATE: 6/18/96

**OWNER / DEVELOPER**

**LANDTECH CONSTRUCTION, INC.**  
7752 WOODMONT AVENUE, SUITE 208  
BETHESDA, MARYLAND 20814  
(301) 953-2532

Reviewed for H.S.D. and meets Technical Requirements.

Signature: Cheryl Sumner  
Date: 3/1/99

Signature: Robert W. Juhn  
Date: 3/1/99

Approved: DEPARTMENT OF PLANNING AND ZONING

Signature: Cindy Hamlett  
Date: 3/10/99

Signature: ...  
Date: 3/10/99

Signature: ...  
Date: 3/10/99

SUBDIVISION: BALTIMORE WASHINGTON INDUSTRIAL PARK  
SECTION/AREA: BLOCK C  
PARCEL: J

PLAT NO.: 9866  
BLOCK NO.: 7  
ZONE: M-2  
TAX/ZONE: 4B  
ELEC. DIST.: C-5  
CENSUS TR.: 6069.01

WATER CODE: B-02  
SEWER CODE: 42012.00

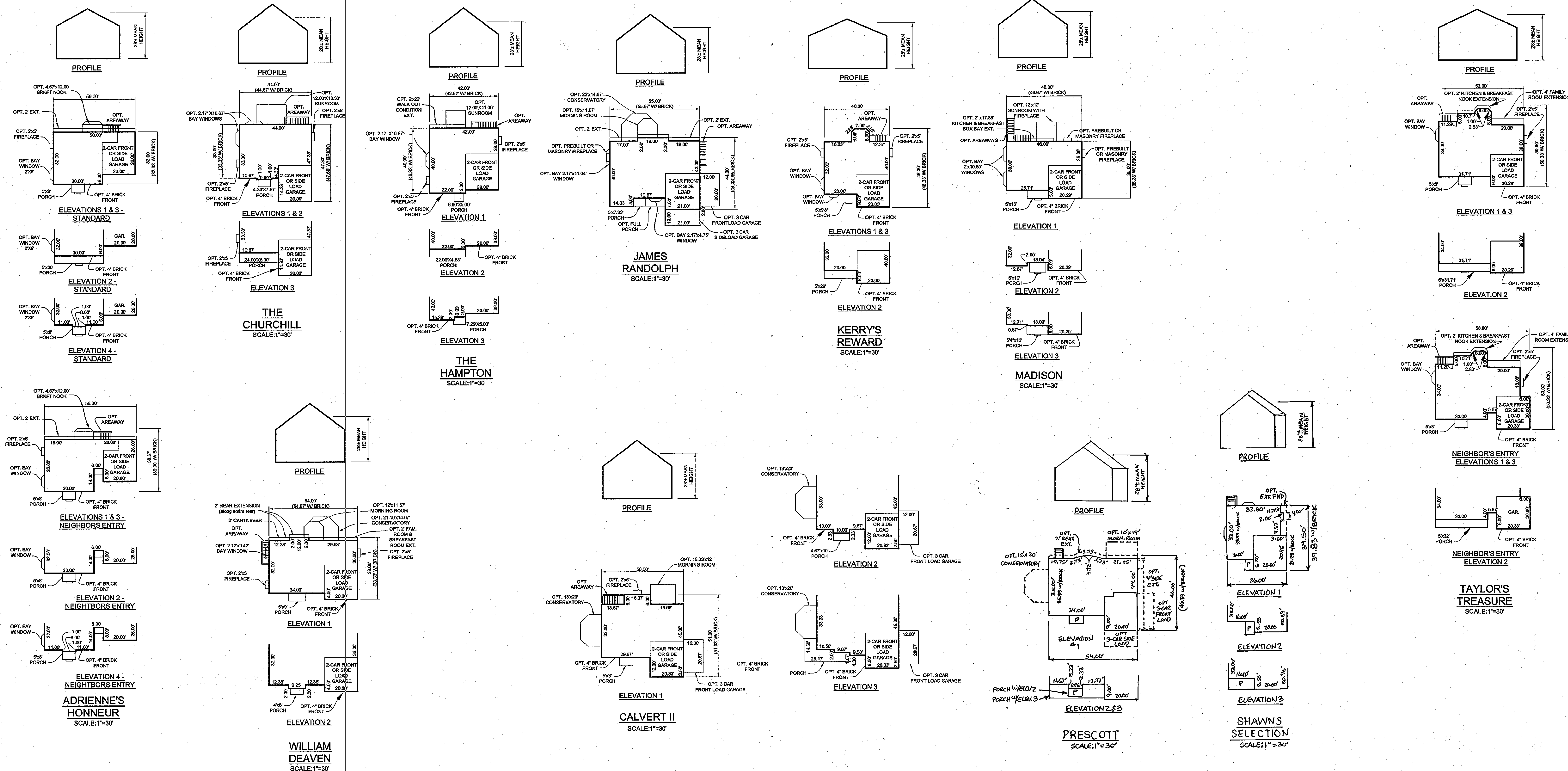
**SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP**

**BALTIMORE WASHINGTON INDUSTRIAL PARK**  
PARCEL "J" BLOCK "C"

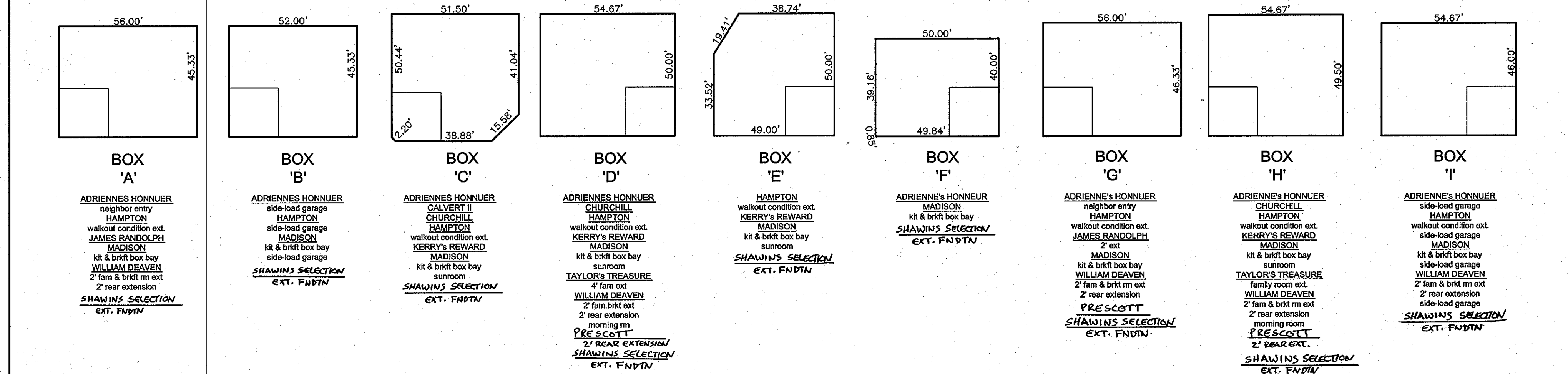
TAX MAP No. 48 PARCEL: P/O 107  
ELECTION DISTRICT: HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE: JANUARY, 97

SHEET 2 OF 5





NOTE:  
 HOUSES AND OPTIONS LISTED BELOW EACH BOX ARE  
 THOSE THAT WILL FIT WITHIN THE GENERIC BOX.  
 HOUSES AND OPTIONS NOT LISTED WILL NOT FIT  
 WITHIN THE GENERIC BOX AND WILL REQUIRE A  
 REDLINE TO THE SDP.



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

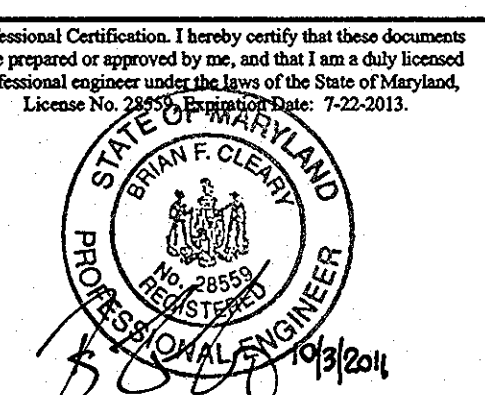
*Mr. [Signature]* 10/13/11  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

*Y. Mumber* 10-26-11  
 CHIEF, DIVISION OF LAND DEVELOPMENT

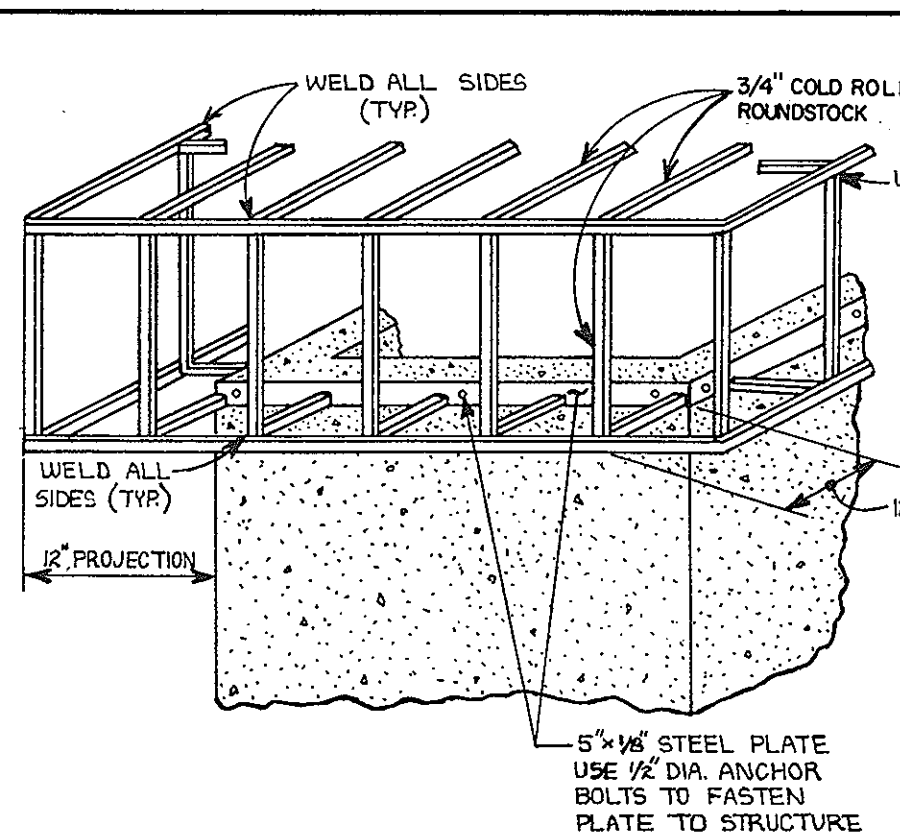
*Thomas J. Buttle* 10/26/11  
 DIRECTOR

- ADRIENNES HONNUEUR**  
 neighbor entry  
 HAMPTON  
 walkout condition ext.  
 JAMES RANDOLPH  
 MADISON  
 kit & brkt box bay  
 WILLIAM DEAVEN  
 2' fam & brkt m ext  
 2' rear extension  
 SHAWNS SELECTION  
 EXT. FNDTN
- ADRIENNES HONNUEUR**  
 side-load garage  
 MADISON  
 side-load garage  
 MADISON  
 kit & brkt box bay  
 side-load garage  
 SHAWNS SELECTION  
 EXT. FNDTN
- ADRIENNES HONNUEUR**  
 CALVERT II  
 HAMPTON  
 walkout condition ext.  
 KERRY'S REWARD  
 MADISON  
 kit & brkt box bay  
 MADISON  
 kit & brkt box bay  
 SHAWNS SELECTION  
 EXT. FNDTN
- ADRIENNES HONNUEUR**  
 walkout condition ext.  
 CHURCHILL  
 HAMPTON  
 walkout condition ext.  
 KERRY'S REWARD  
 MADISON  
 kit & brkt box bay  
 sunroom  
 TAYLOR'S TREASURE  
 4' fam ext  
 WILLIAM DEAVEN  
 2' fam brkt ext  
 2' rear extension  
 morning m  
 PRESCOTT  
 2' REAR EXTENSION  
 SHAWNS SELECTION  
 EXT. FNDTN
- ADRIENNES HONNUEUR**  
 walkout condition ext.  
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 EXT. FNDTN
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 MADISON  
 walkout condition ext.  
 JAMES RANDOLPH  
 2' ext  
 MADISON  
 kit & brkt box bay  
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 2' rear extension  
 morning m  
 PRESCOTT  
 2' REAR EXTENSION  
 SHAWNS SELECTION  
 EXT. FNDTN

1-24-12 ADD PRESCOTT & SHAWNS HOUSE TYPE		REVISION	
<b>BENCHMARK ENGINEERING, INC.</b>			
8450 BALTIMORE NATIONAL PIKE & SUITE 418 & ELLICOTT CITY, MARYLAND 21043 (P) 410-468-6105 (F) 410-468-6444 60 THOMAS JOHNSON DRIVE & PRESBURY, MARYLAND 21102 (P) 301-371-3505 (F) 301-371-3506 WWW.BE-CMLENGINEERING.COM			
OWNER:		CASCADE OVERLOOK SECTION III LOTS 1 thru 14	
SECURITY DEVELOPMENT LLC P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 410-465-4244		TAX MAP: 31 GRID: 10 PARCEL: p/o 260 ZONED: R-ED ELECTION DISTRICT NO. 1 HOWARD COUNTY, MARYLAND	
BUILDER:		HOUSE TYPE AND GENERIC BOX DETAILS	
WILLIAMSBURG GROUP, LLC c/o ROBERT CORBETT 5485 HARPERS FARM ROAD, SUITE 200 COLUMBIA, MARYLAND 21044 410-997-8800		DATE: OCTOBER, 2011 BEI PROJECT NO: 1676 SCALE: 1" = 30' SHEET 2 OF 8	
DESIGN: DET	DRAWN: DBT	DATE: 10/26/11	

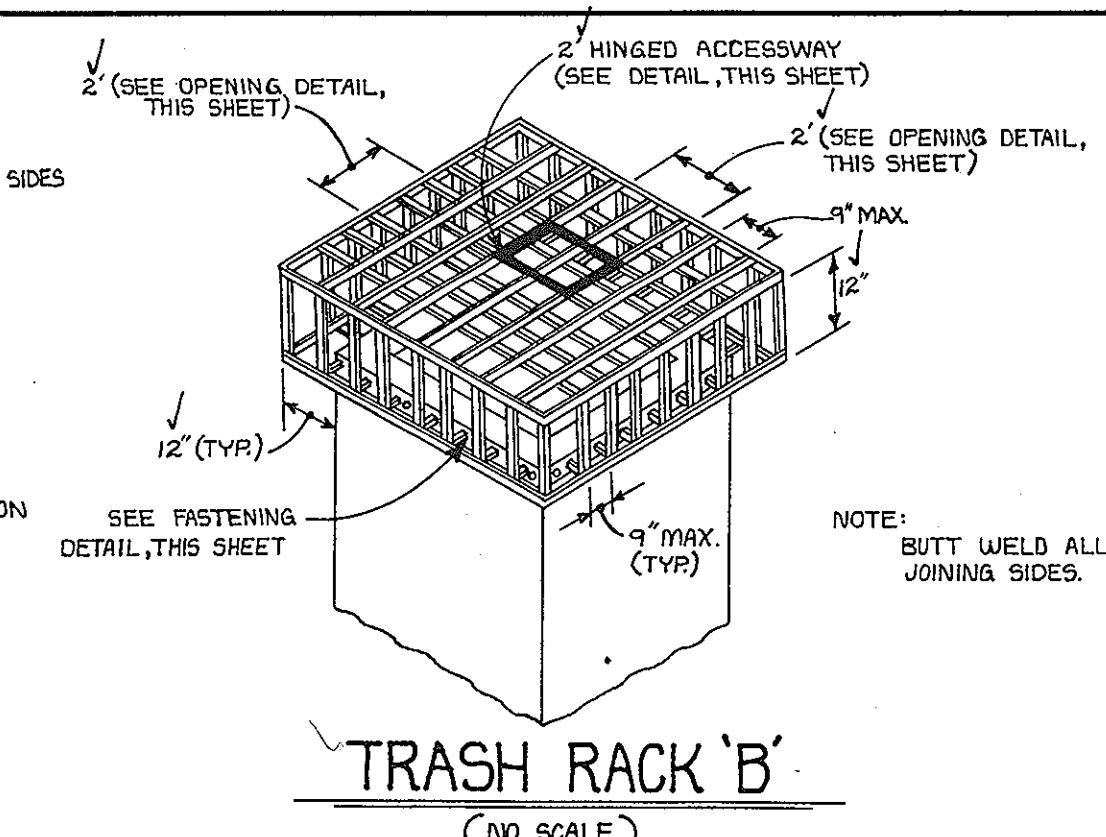




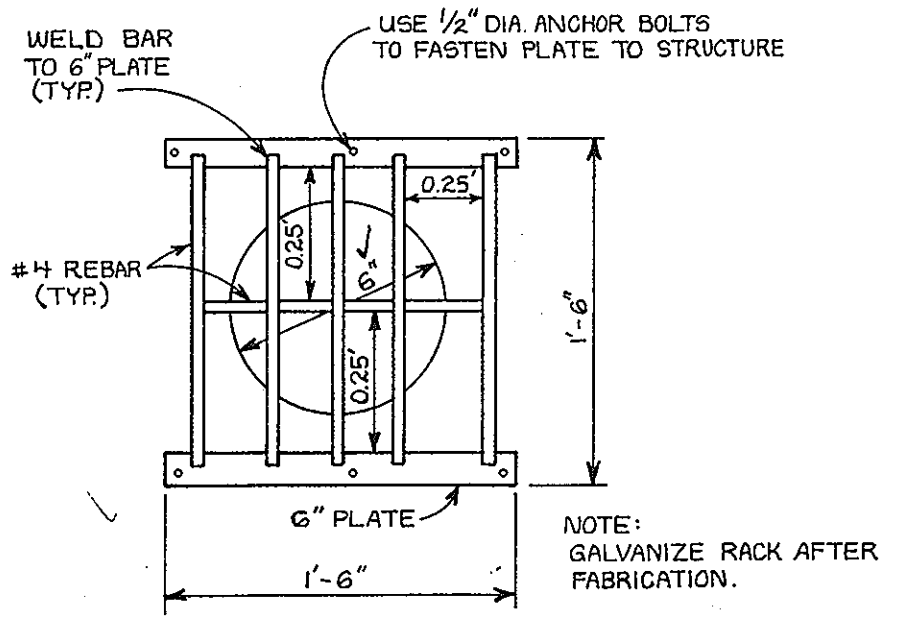


**FASTENING DETAIL**  
(NO SCALE)

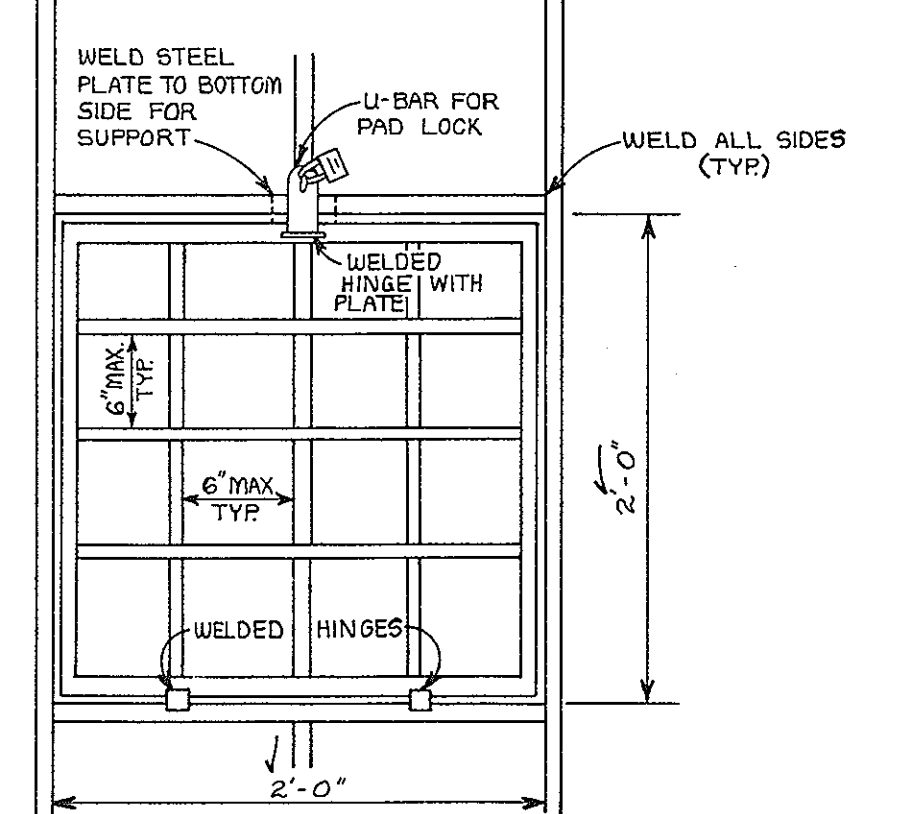
NOTE: CONTRACTOR SHALL  
1. FIELD MEASURE THE STRUCTURE DIMENSIONS FOR EXACT FITTING OF TRASH RACK.  
2. GALVANIZE ENTIRE TRASH RACK (HOT DIPPED GALVANIZED)  
3. ALL NUTS AND BOLTS SHALL BE GALVANIZED.



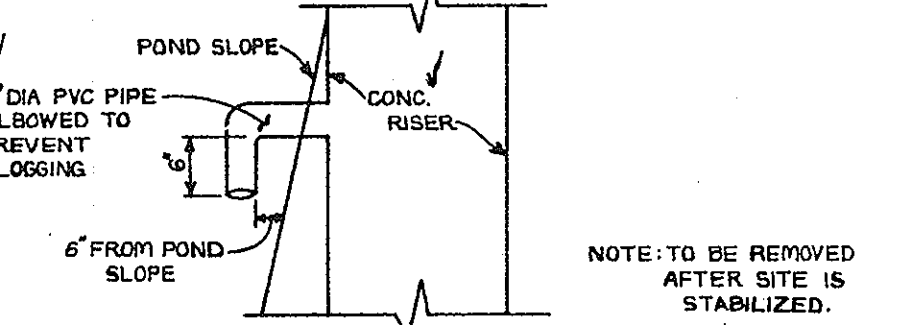
**TRASH RACK 'B'**  
(NO SCALE)



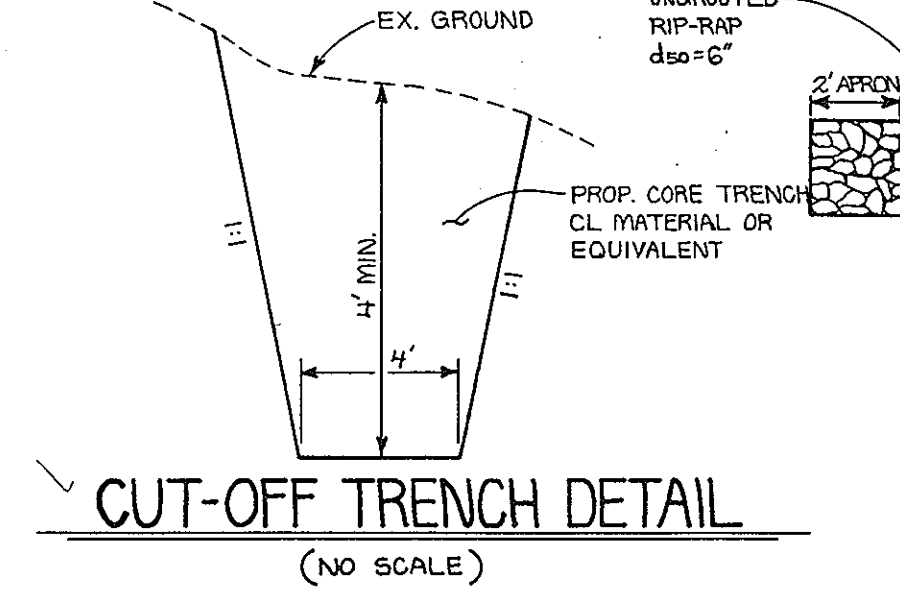
**TRASH RACK 'A'**  
(NO SCALE)



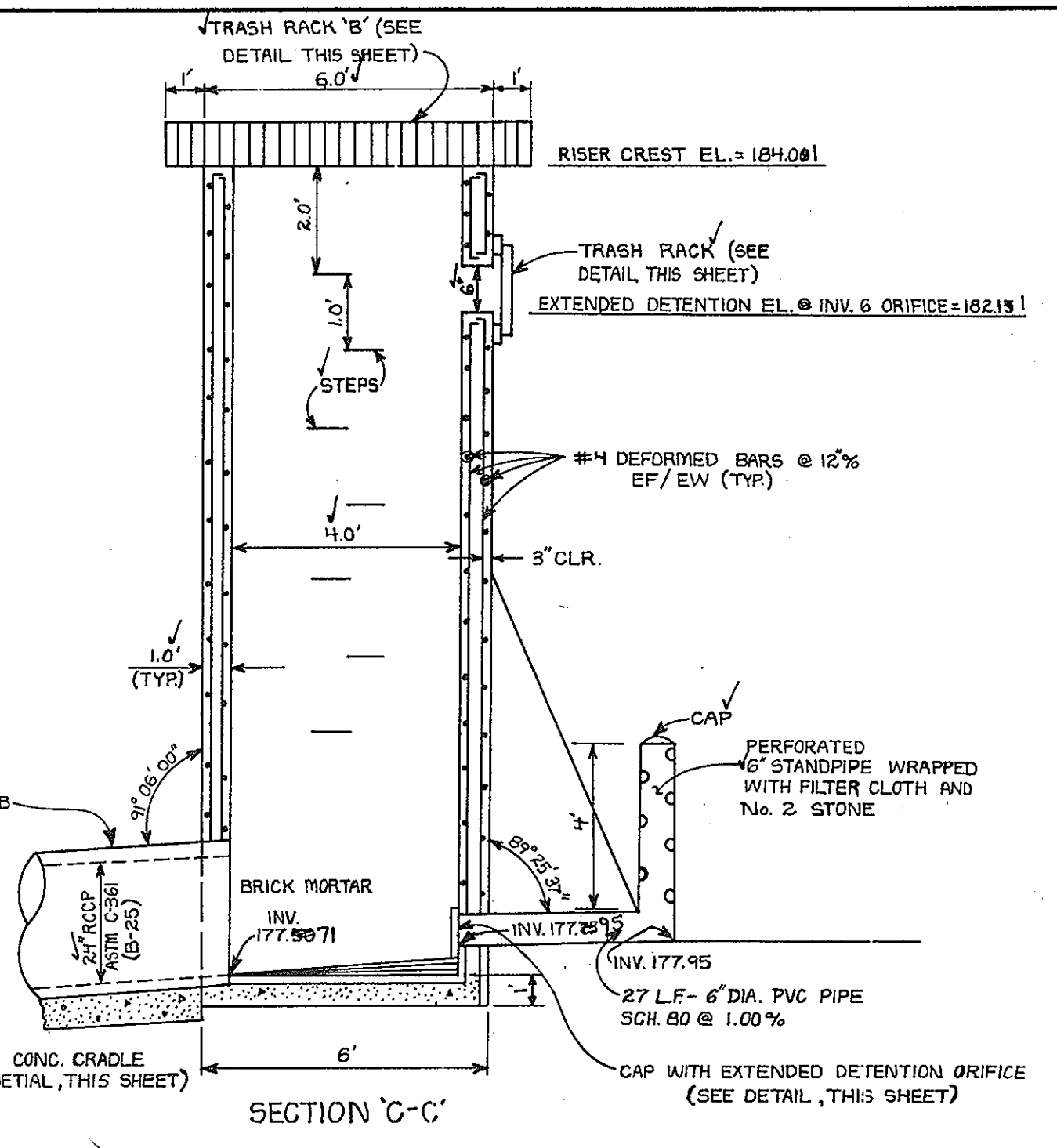
**OPENING DETAIL**  
(NO SCALE)



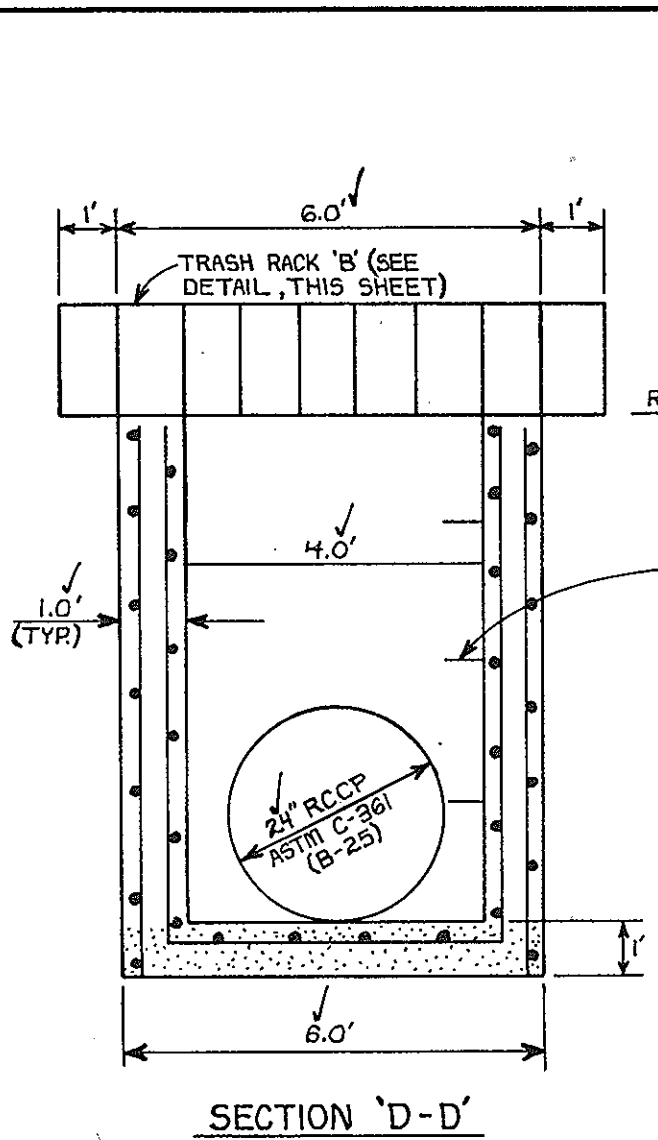
**LOW FLOW ELBOW DETAIL**  
(NO SCALE)



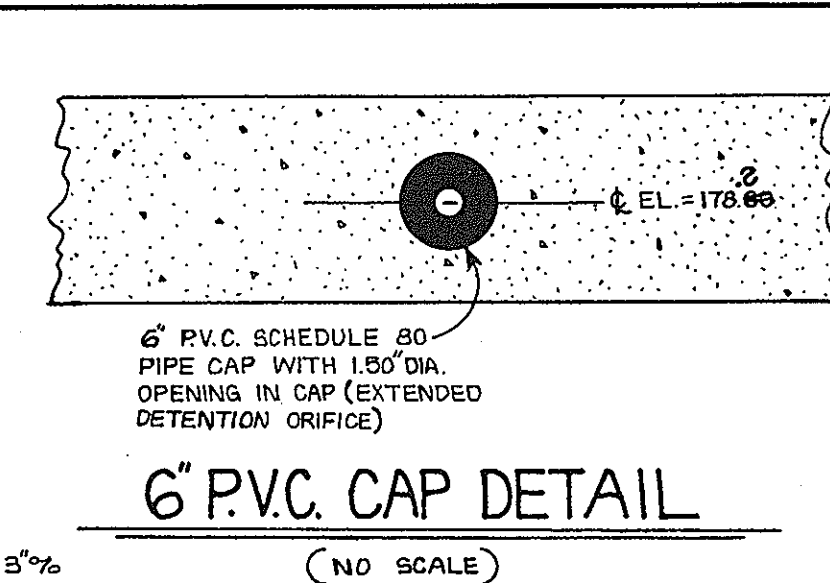
**CUT-OFF TRENCH DETAIL**  
(NO SCALE)



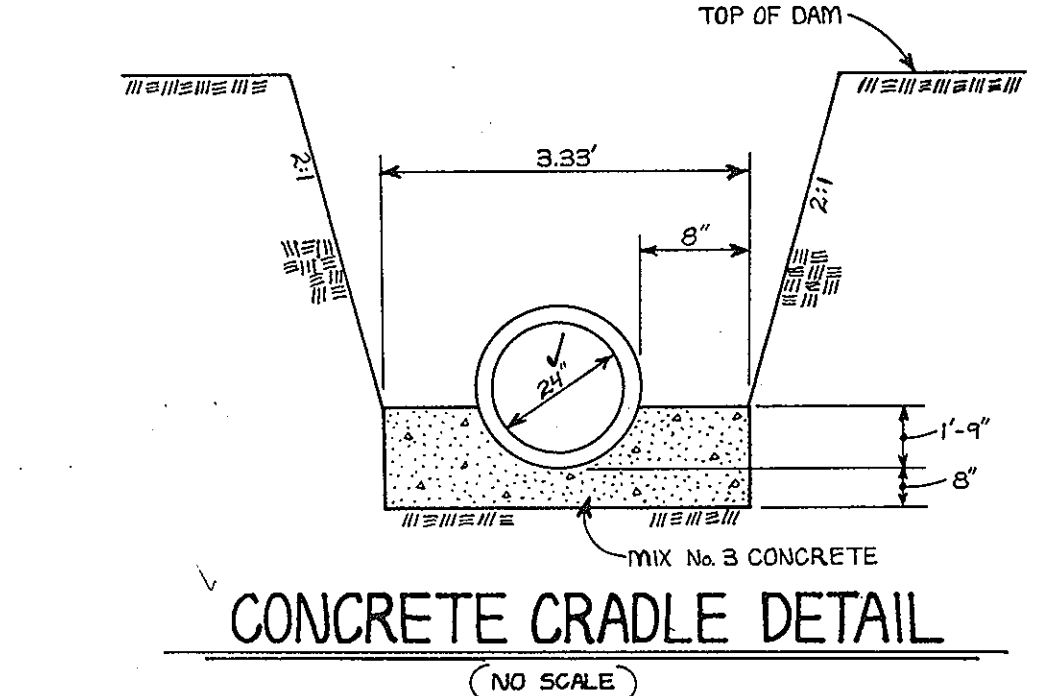
**RISER DETAIL**  
(NO SCALE)



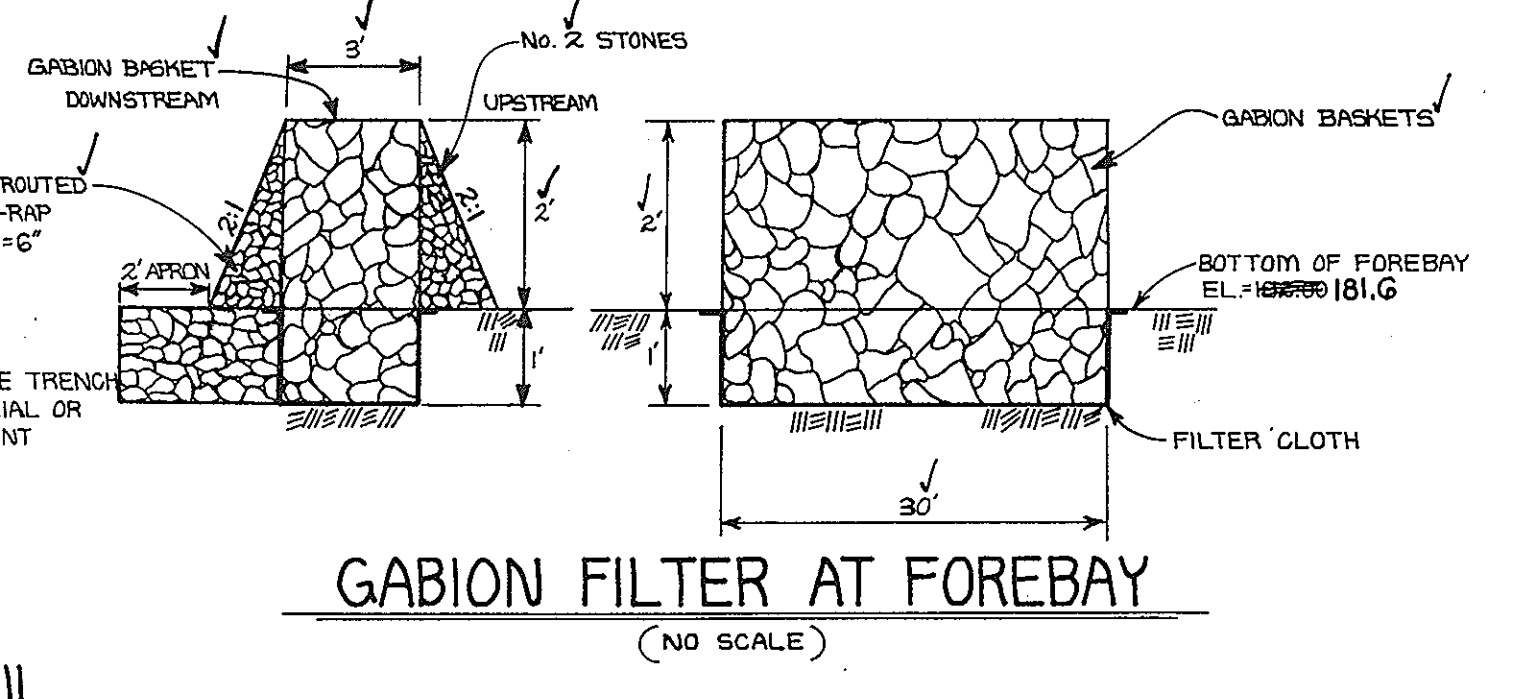
**RISER DETAIL**  
(NO SCALE)



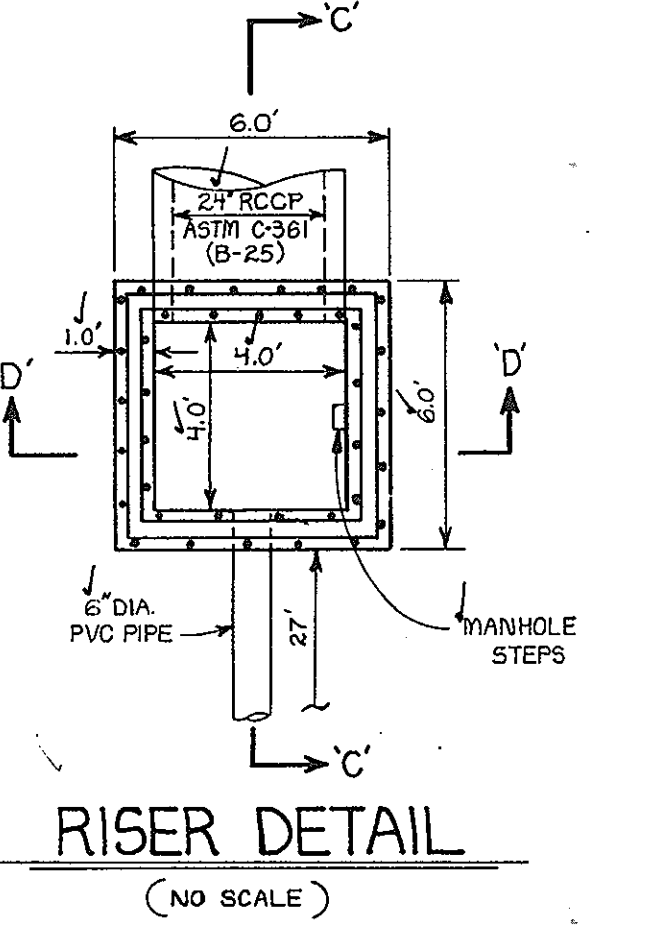
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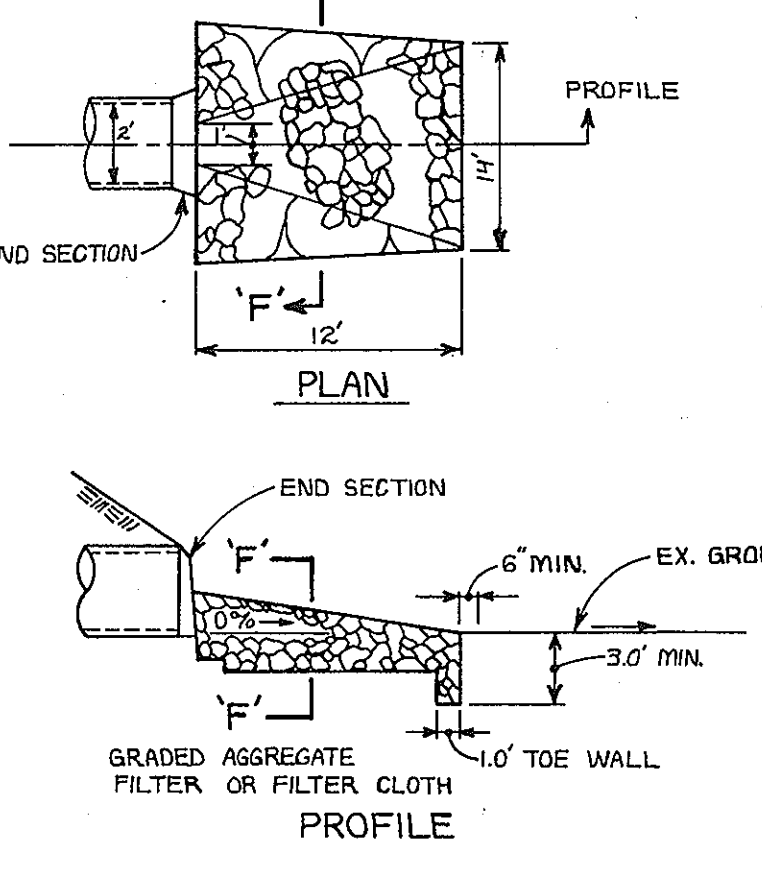
**CONCRETE CRADLE DETAIL**  
(NO SCALE)



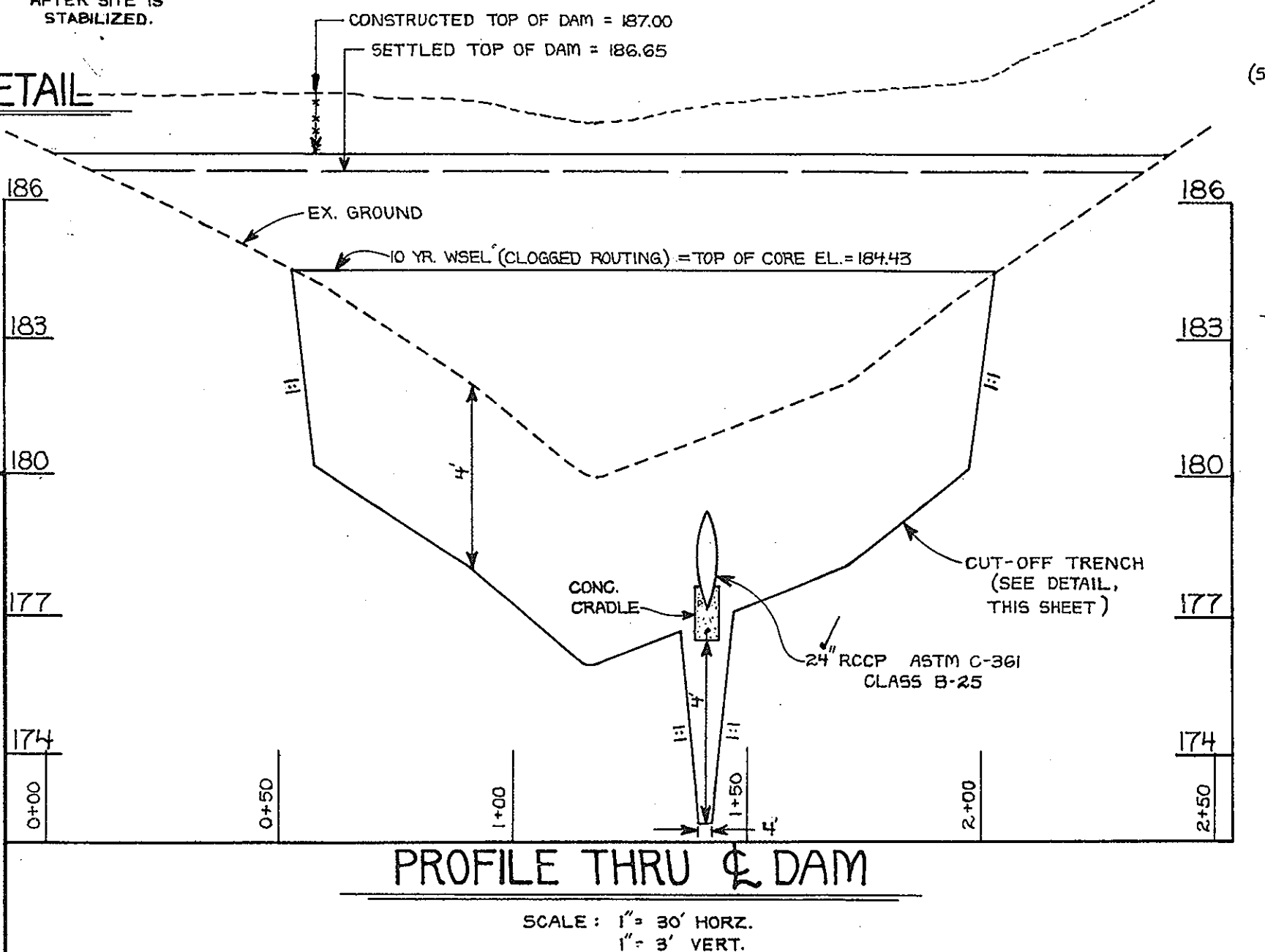
**GABION FILTER AT FOREBAY**  
(NO SCALE)



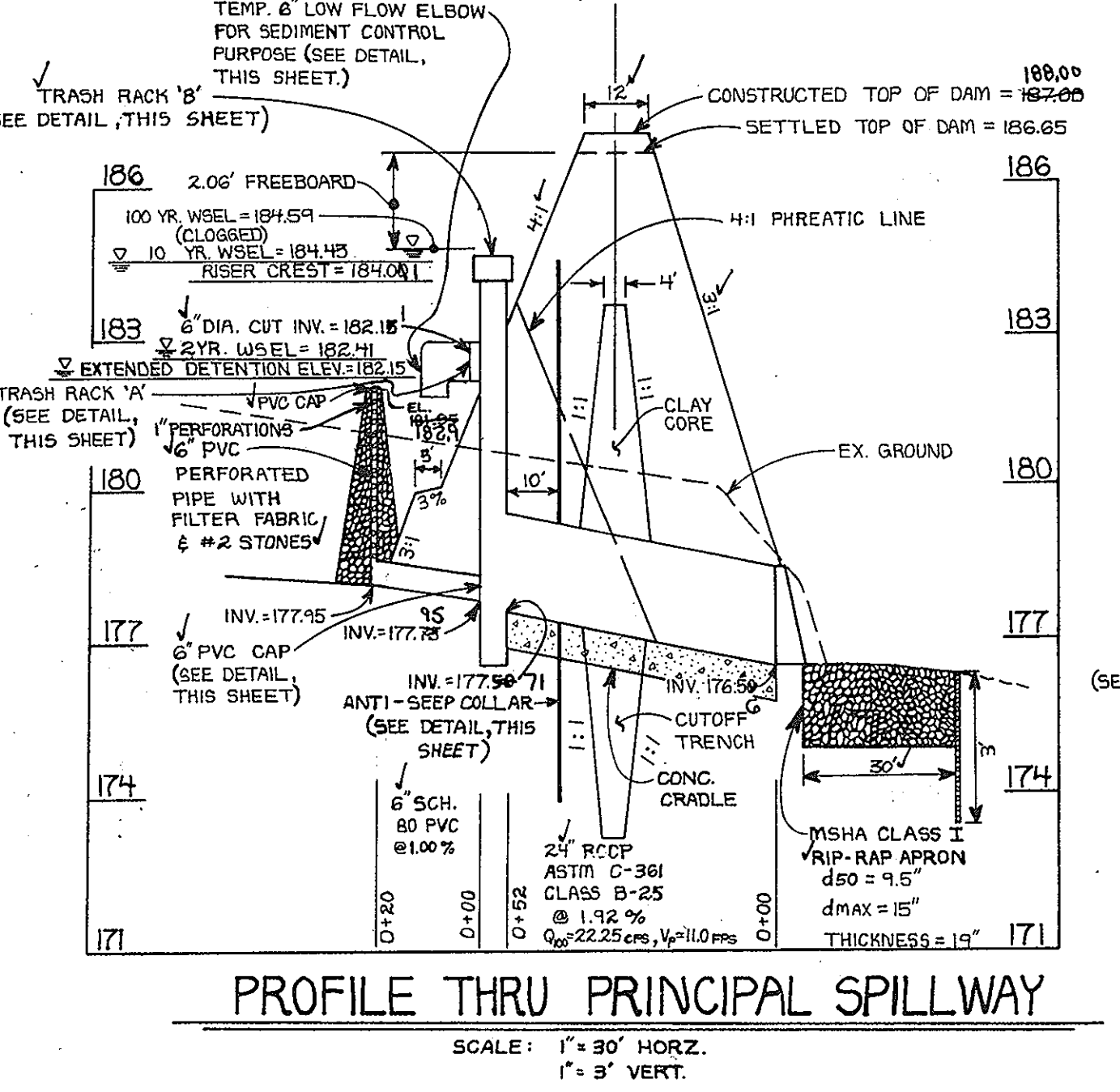
**RISER DETAIL**  
(NO SCALE)



**RIP-RAP OUTLET DETAIL**  
(NO SCALE)

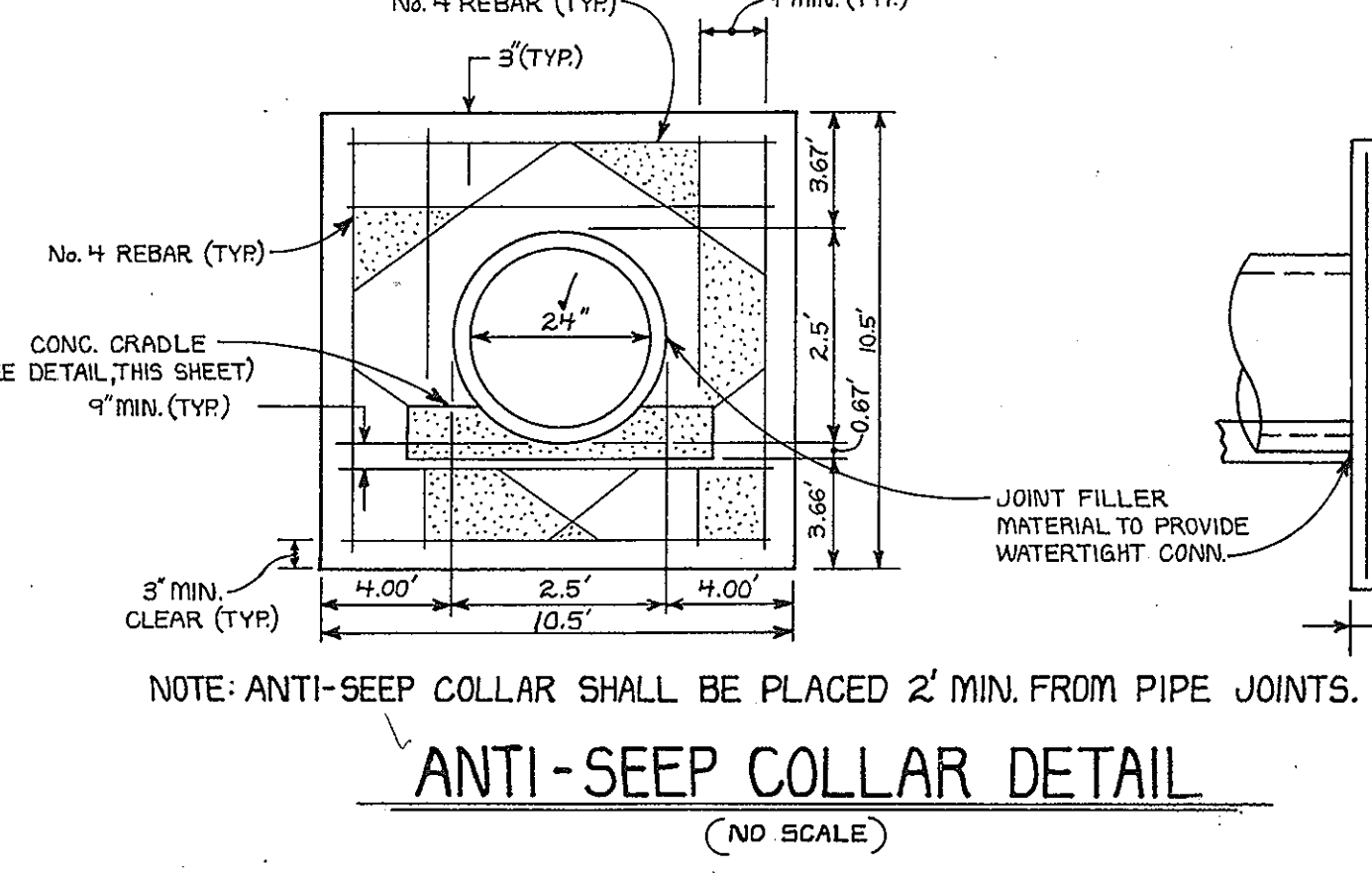


**PROFILE THRU DAM**  
SCALE: 1\"/>



**PROFILE THRU PRINCIPAL SPILLWAY**  
SCALE: 1\"/>

- NOTES:
- CONCRETE SHALL CONFORM TO THE STANDARD A.C.T. 2.3.3. STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, 1991 EDITION, SECTION 01110.000. ALL CONCRETE SHALL BE 4000 PSI.
  - FIELD FABRIC FILTER FABRIC SHALL CONFORM TO A.S.T.M. A-975. 24\"/>



**ANTI-SEEP COLLAR DETAIL**  
(NO SCALE)

- SEDMIMENT CONTROL NOTES**
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (03-1895).
  - 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 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
  - FOLLOWING INITIAL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS FOR ALL PERPETRATED SEDIMENT CONTROL STRUCTURES. EXCEPT WHERE SHOWN OTHERWISE, ALL SLOPE STEPPES SHALL BE AS TO ALL OTHERS 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 MOST CURRENT STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEE 501 600 SPEC. 501) TEMPORARY SEEDING (SEE 501 AND HOLDING SPEC. 501) 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 PROVISION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - SITE ANALYSIS:  
TOTAL AREA OF SITE: 4.08 ACRES  
AREA TO BE RECOVERED OR PAVED: 3.3 ACRES  
AREA TO BE VEGETATIVELY STABILIZED: 2.4 ACRES  
TOTAL CUT: 10,000 CUBIC YARDS  
OFFSITE WASTE/BOSSON AREA LOCATION N/A  
CUTS:  
ANY SEDIMENT CONTROL PRACTICES WHICH ARE DISTURBED BY MAJOR ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.  
ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.  
APPROVAL OF THE INSPECTION AGENCY SHALL BE OBTAINED UPON COMPLETION OF INSTALLATION OF PERPETRATED 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.  
D TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

- OPERATION AND MAINTENANCE SCHEDULE OF PRIVATELY OWNED AND MAINTAINED STORMWATER MANAGEMENT FACILITY EXTENDED DETENTION POND**
- ROUTINE MAINTENANCE**
- Facility shall be inspected annually and after major storms. Inspections should be performed during wet weather to determine if the pond is functioning properly.
  - Top and side slopes of the embankment shall be mowed a minimum of two (2) times a year, once in June and once in September. Other side slopes, the bottom of the pond, and maintenance access should be mowed as needed.
  - Debris and litter next to the outlet structure shall be removed during regular mowing operations and as needed.
  - Visible signs of erosion in the pond as well as riprap outlet area shall be repaired as soon as it is noticed.
- NON-ROUTINE MAINTENANCE**
- Structural components of the pond such as the dam, the riser, and the pipes shall be repaired upon the detection of any damage. The components should be inspected during routine maintenance operations.
  - Sediment should be removed when its accumulation significantly reduces the design storage, interferes with the function of the riser, when deemed necessary for aesthetic reasons, or when deemed necessary by the Howard County's Department of Public Works.

**AS-BUILT CERTIFICATION**

I hereby certify that the facility shown on this plan was constructed as shown on the "as-built" plans and meets the approved plans and specifications.

Signature: *Chal*  
Date: 3/19/99

**OPERATION, MAINTENANCE AND INSPECTION**

Inspection of the pond(s) shown hereon shall be performed at least annually, in accordance with the checklist and requirements contained within USDA, SCS Standards And Specifications For Ponds (MD-378). The pond owner(s) and any heirs, successors, or assigns shall be responsible for the safety of the pond and the continued operation, surveillance, inspection, and maintenance thereof. The pond owner(s) shall promptly notify the Soil Conservation District of any unusual observations that may be indications of distress such as excessive seepage, turbid seepage, sliding or slumping.

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21042  
410-461-2955

**ENGINEER'S CERTIFICATE**

"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 SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

Signature of Engineer: *Juan*  
Date: 3-17-98

**DEVELOPER'S CERTIFICATE**

"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 SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature of Developer: *Frank O. Z...*  
Date: 3/18/98

Approved for HOWARD SCD and meets Technical Requirements.

Signature: *Chal*  
Date: 3/1/99

Signature: *Robert W. Juhn*  
Date: 3/1/99

**OWNER / DEVELOPER**  
LANDTECH CONSTRUCTION, INC.  
7752 WOODMONT AVENUE, SUITE 208  
BETHESDA, MARYLAND 20814  
301-953-2532

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: *Cindy Hamata*  
Date: 3/10/99

Signature: *...*  
Date: 3/5/99

Signature: *...*  
Date: 3/1/99

SUBDIVISION: BALTIMORE WASHINGTON INDUSTRIAL PARK  
SECTION/AREA: BLOCK C  
LOT NO.: PARCEL J

PLAT NO.: 9866  
BLOCK NO.: 7  
ZONE: M-2  
TAX/ZONE: 48  
ELEC. DIST.: 6  
CENSUS TR.: 6069.01

WATER CODE: B-02  
SEWER CODE: 4201200

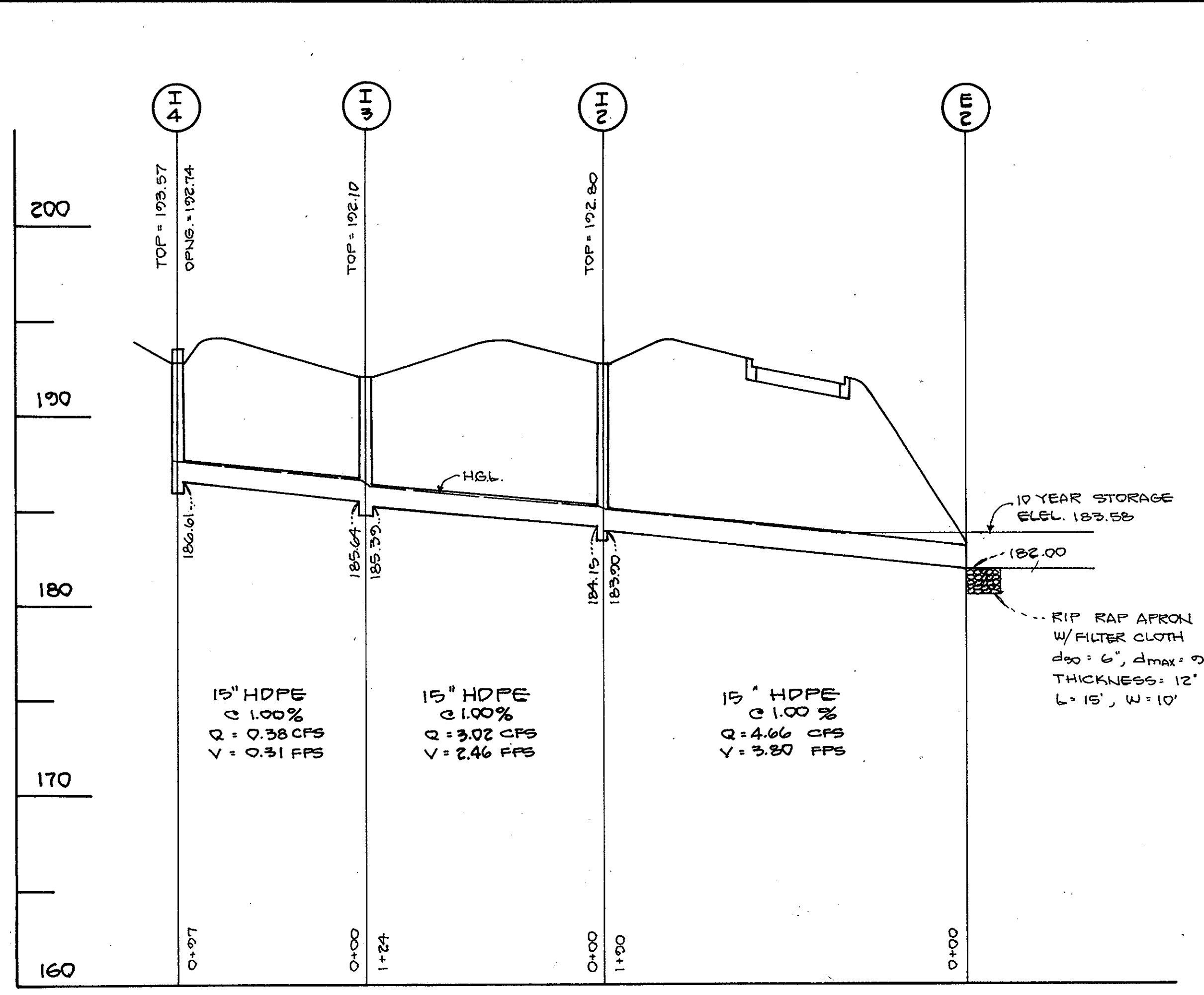
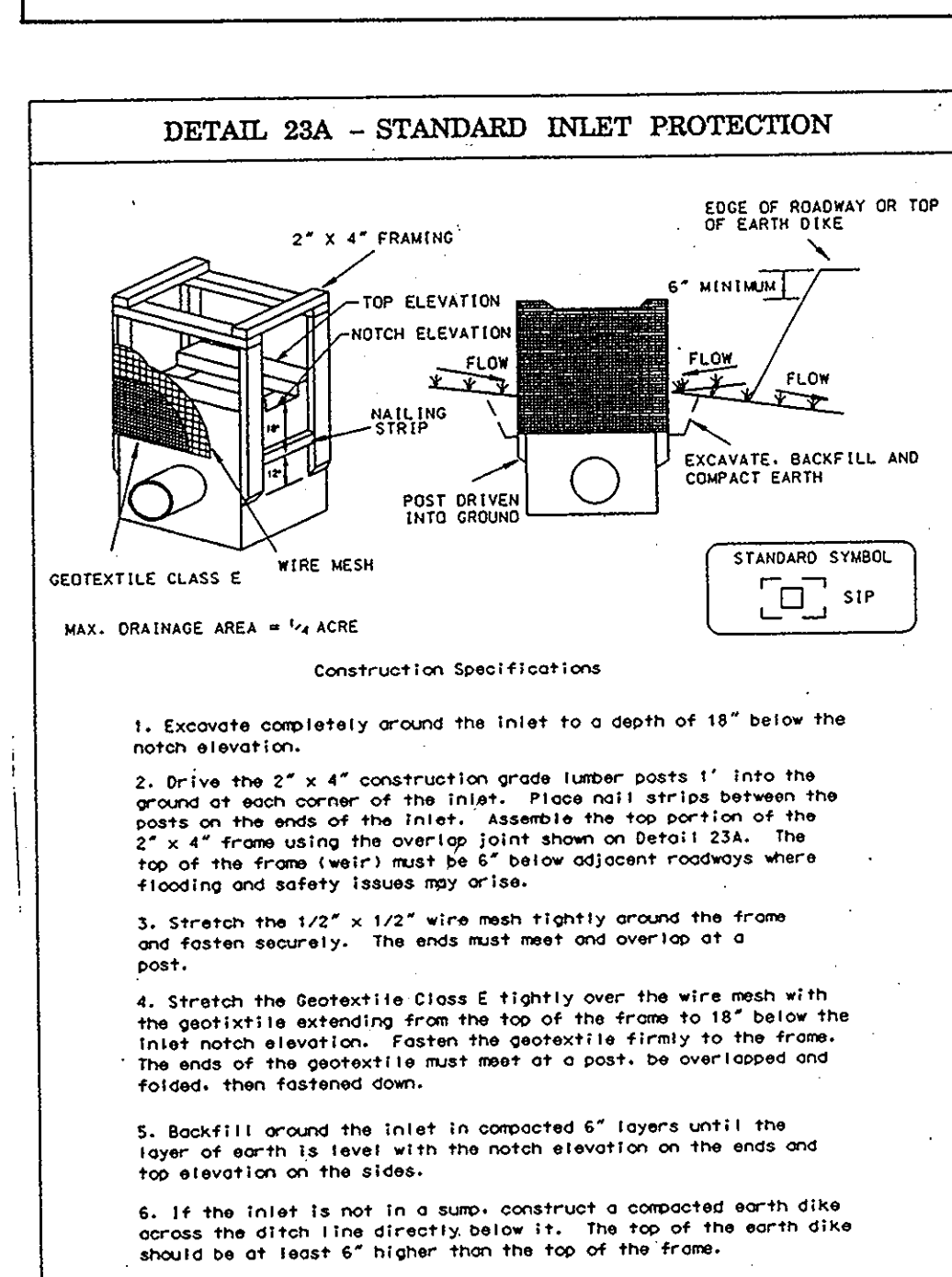
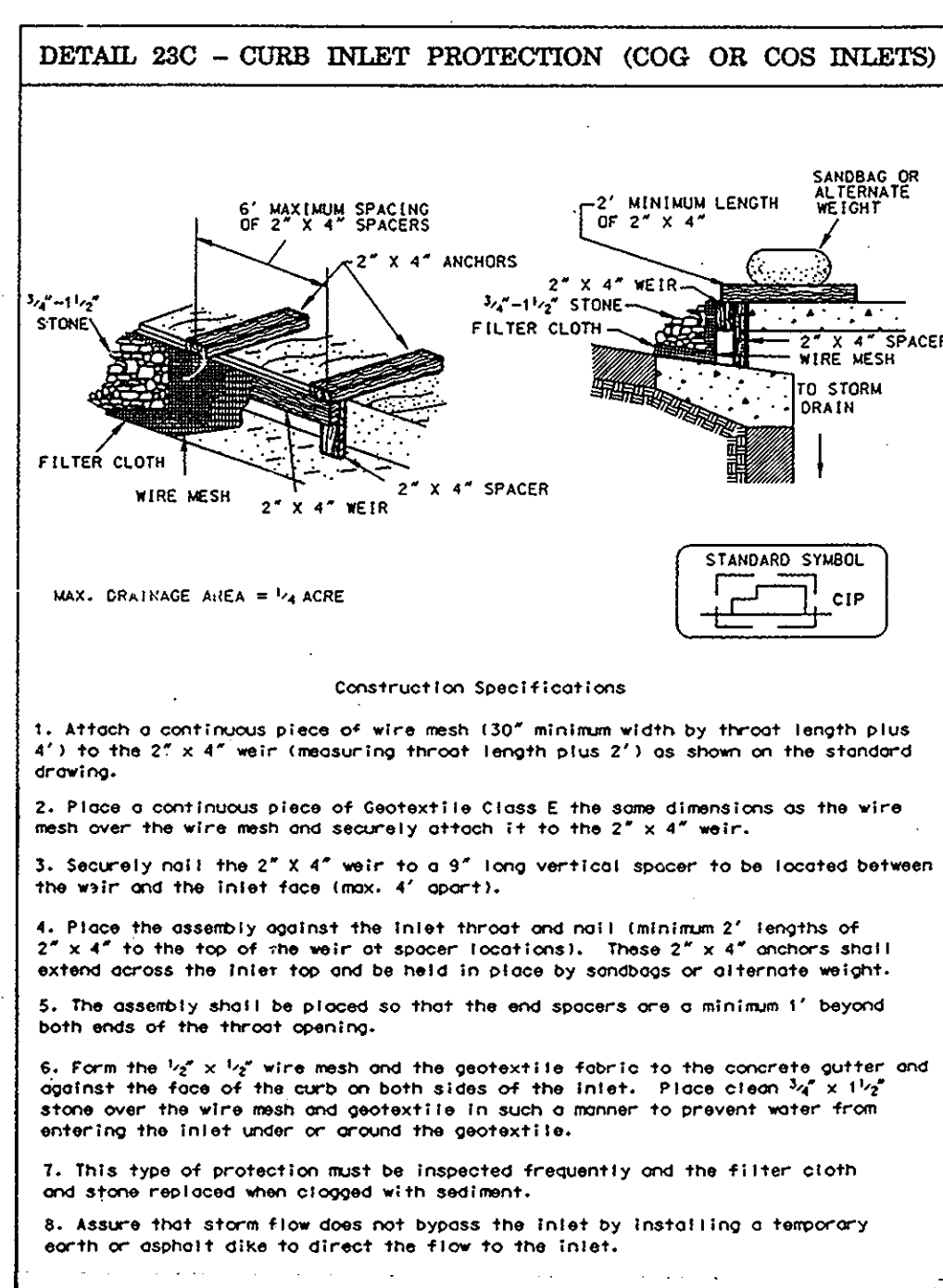
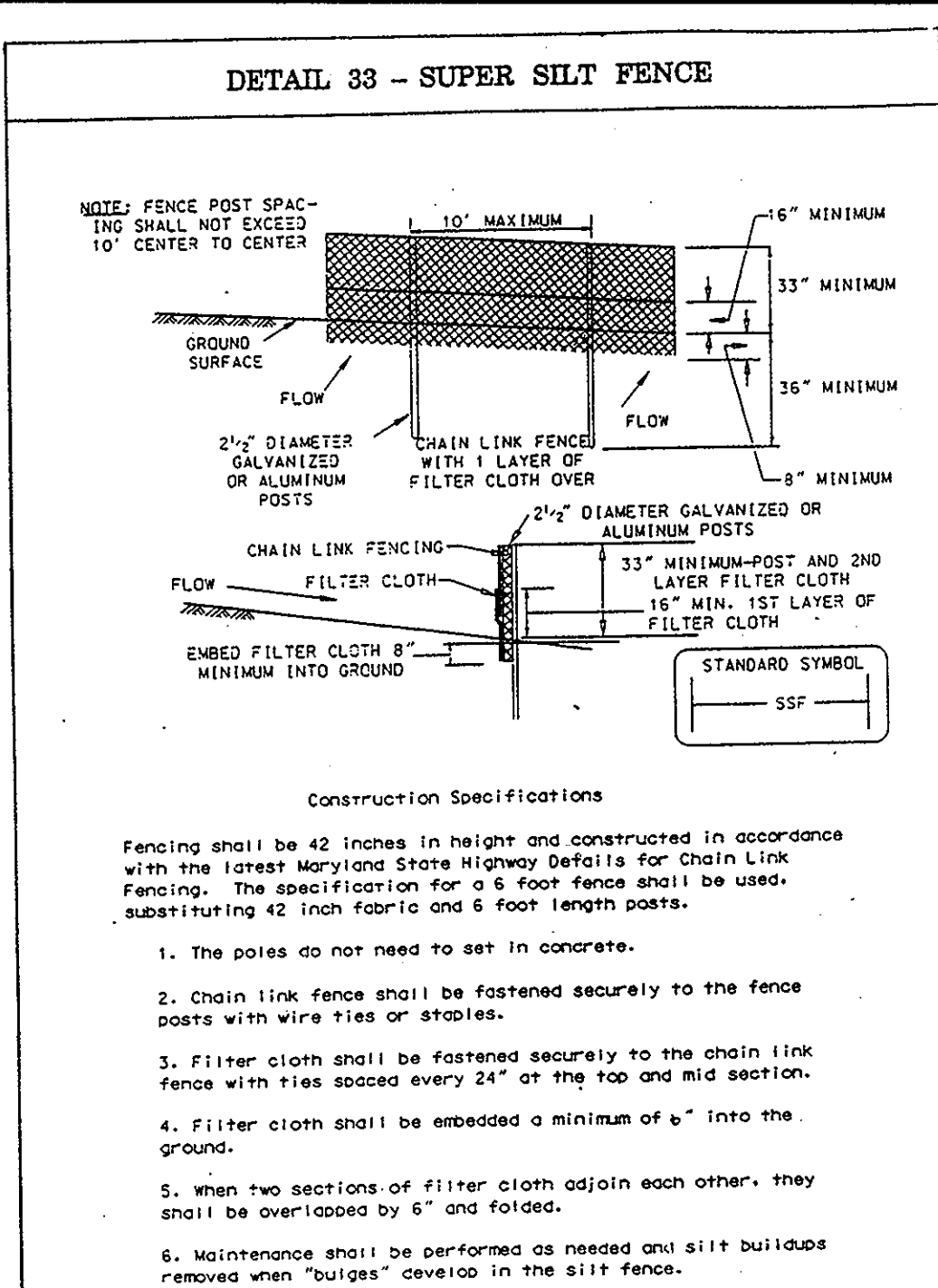
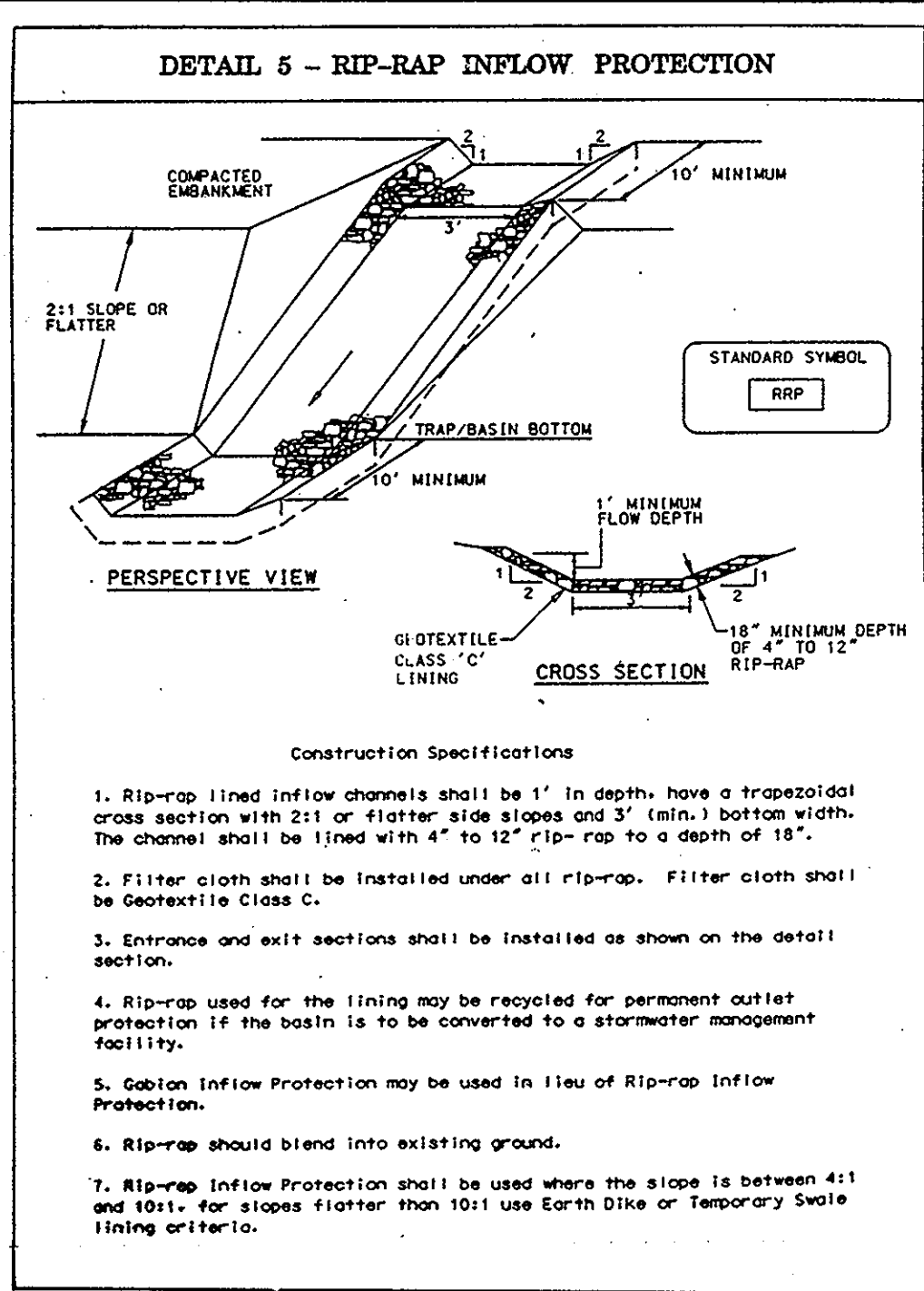
**SITE DEVELOPMENT PLAN**  
SWIM POND NOTES AND DETAILS

**BALTIMORE WASHINGTON INDUSTRIAL PARK**  
PARCEL 'J' BLOCK 'C'

TAX MAP No: 48  
PARCEL: P6 167  
6<sup>th</sup> ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN  
DATE: JANUARY, 97

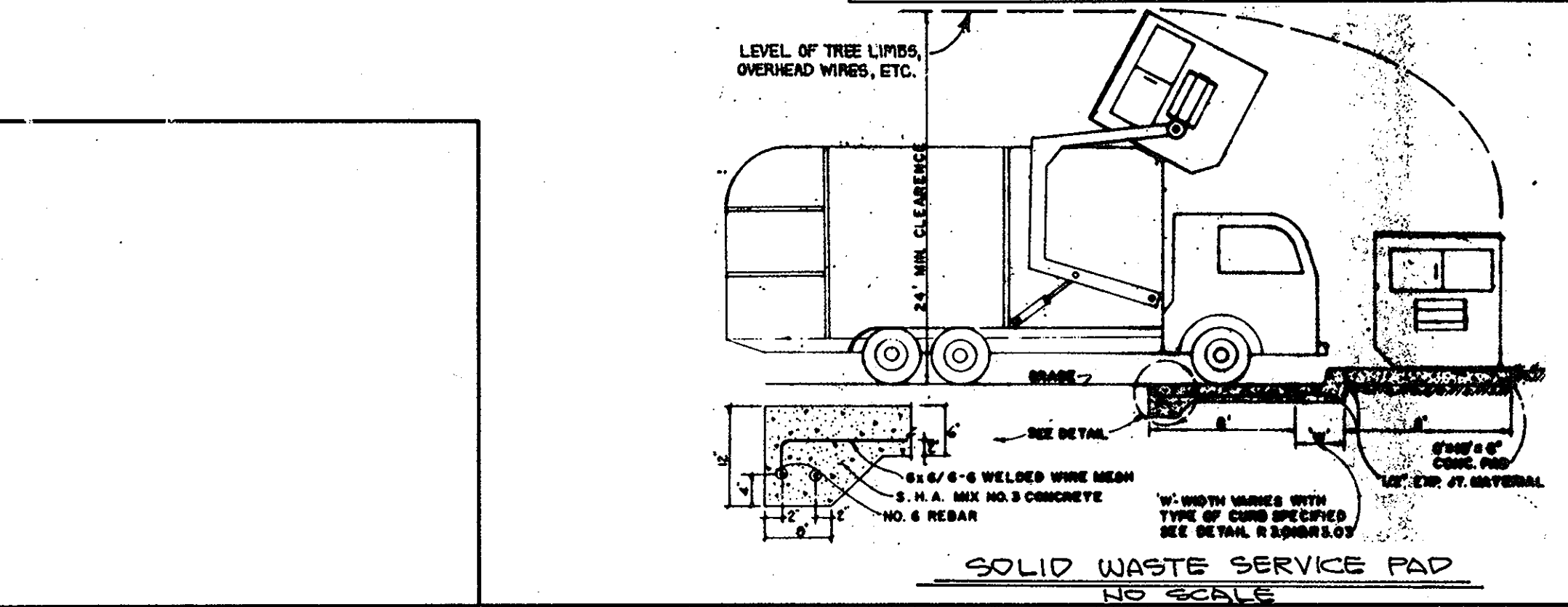
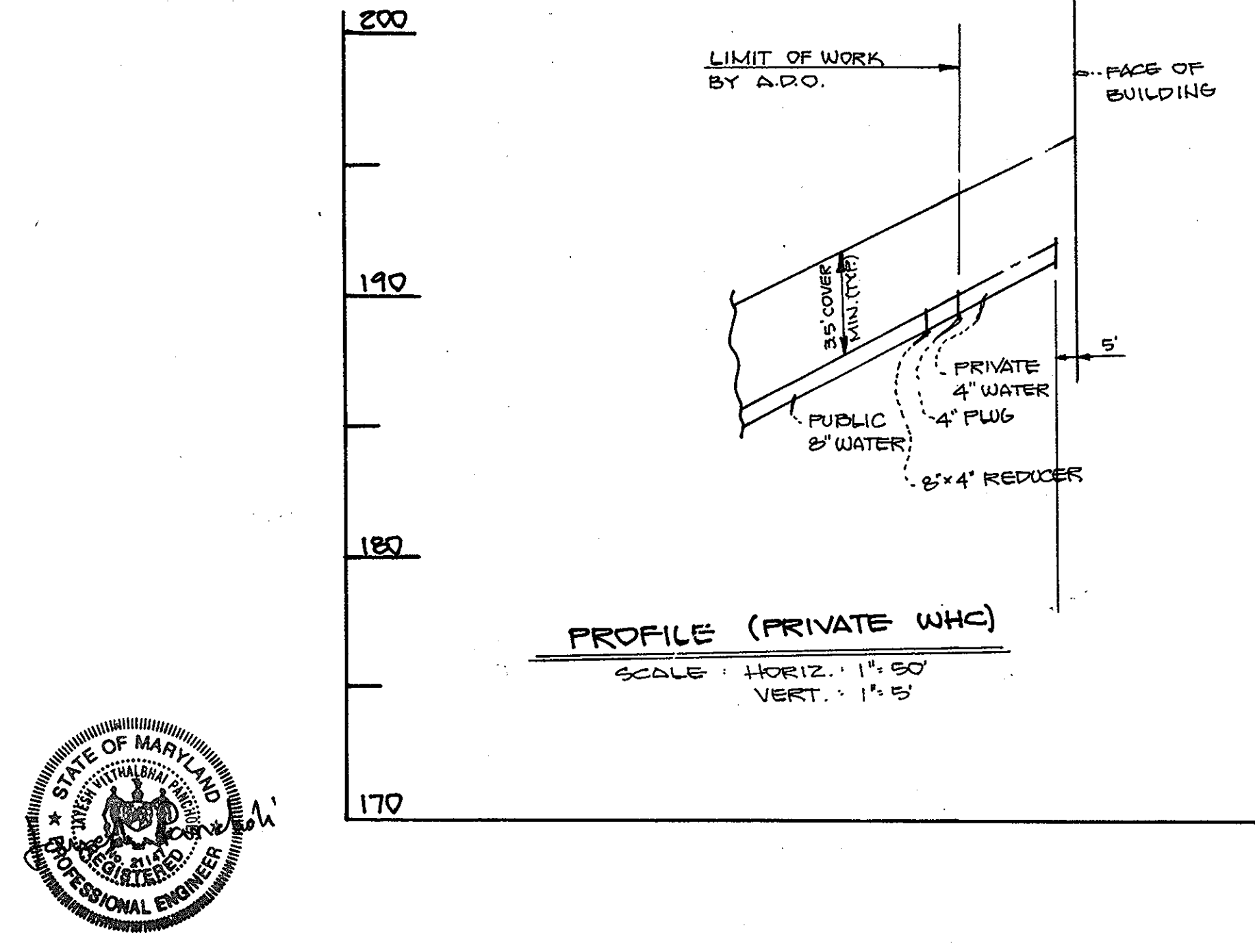
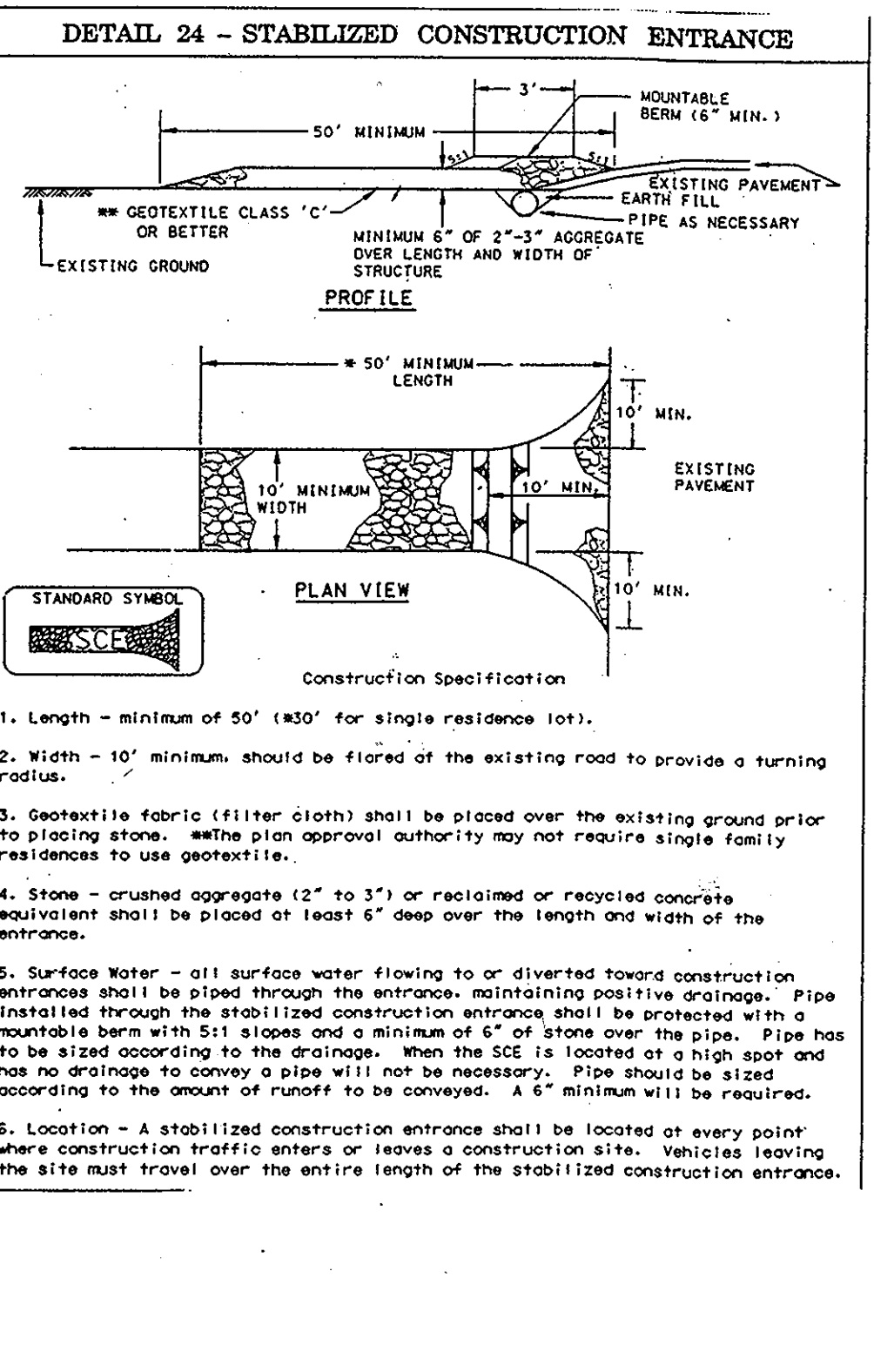
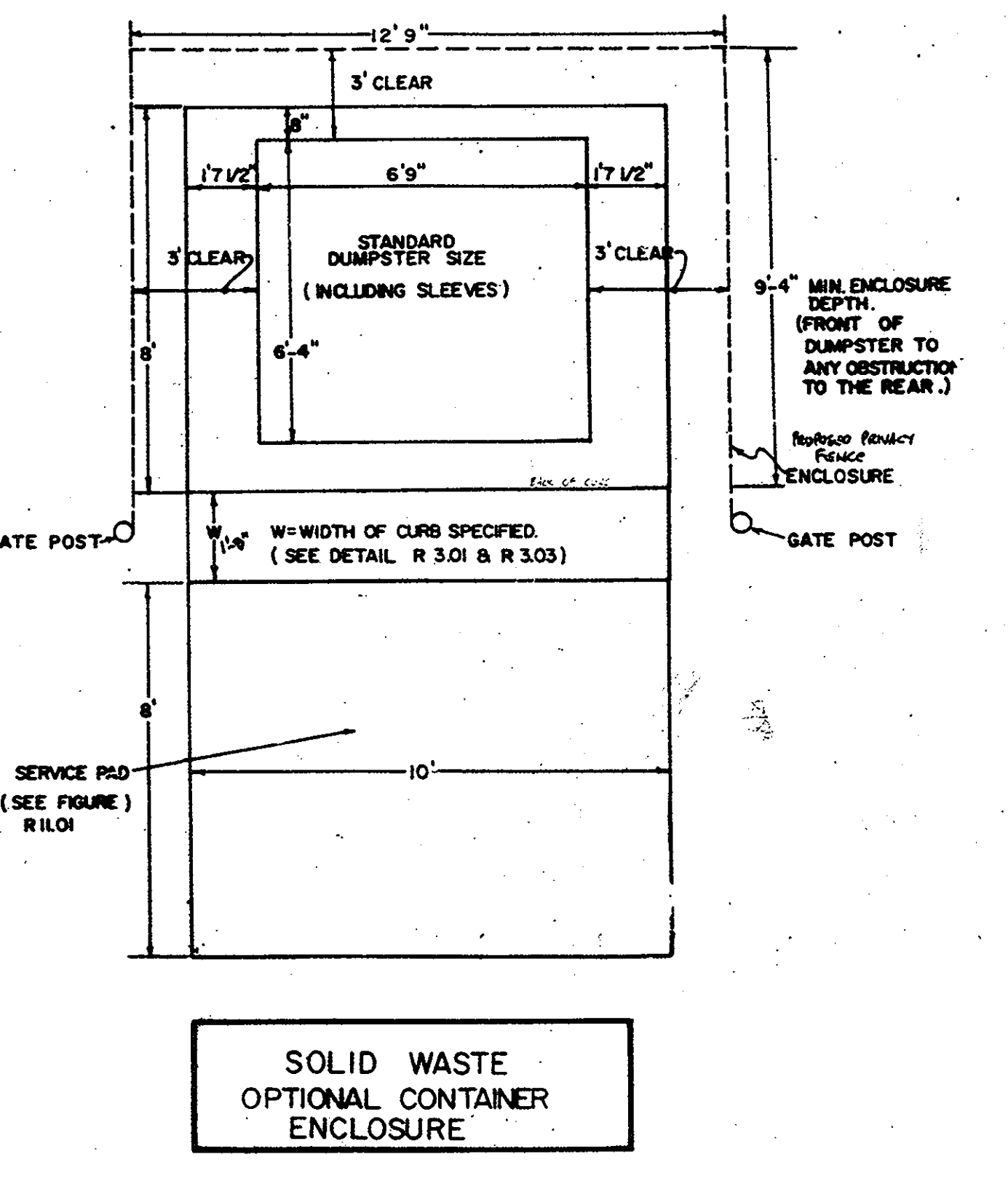
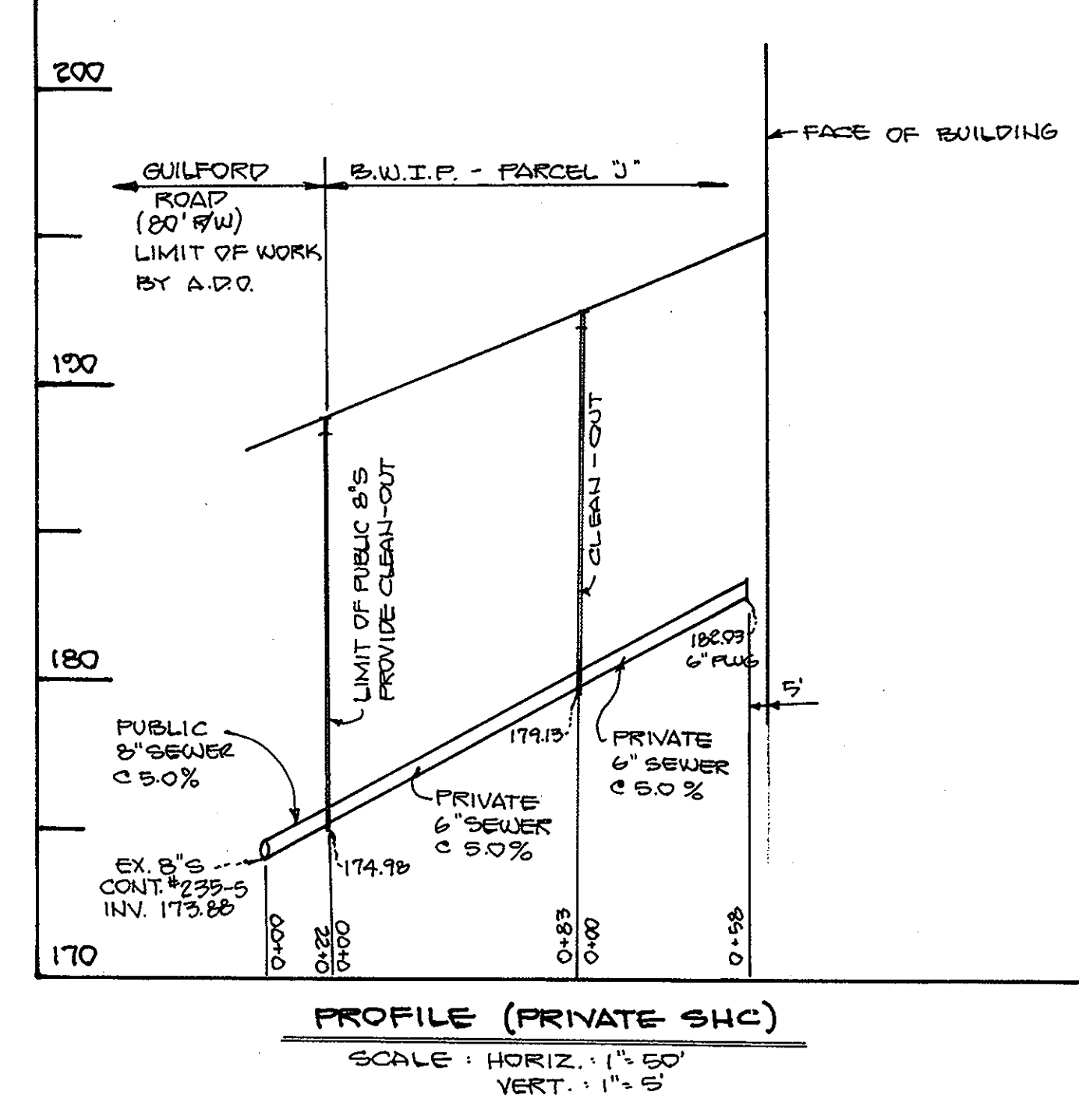
SHEET 4 OF 5





### STRUCTURE SCHEDULE - PRIVATE STORM DRAIN

STRUCTURE	NORTH	SOUTH	TYPE	STD. DETAIL	TOP ELEV.	INV. IN	INV. OUT	REMARKS
I-1			A-10	S.D. 4.02	191.00	—	184.64	
I-2			S	S.D. 4.22	192.80	184.15	183.00	
I-3			S	S.D. 4.22	192.10	185.64	185.30	
I-4			D	S.D. 4.11	193.57	—	186.61	
E-1			END SECTION		—	—	182.00	
E-2			END SECTION		—	—	182.00	



**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21042  
 (410) 481-2055

**ENGINEER'S CERTIFICATE**

"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. I HAVE NOTIFIED THE DEVELOPER THAT HE/HE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

*Joseph J. [Signature]*  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF MARYLAND  
 DATE: 2-17-98

**DEVELOPER'S CERTIFICATE**

"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/SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

*Robert W. [Signature]*  
 OWNER / DEVELOPER  
 LANDTECH CONSTRUCTION, INC.  
 7752 WOODMONT AVENUE, SUITE 208  
 BETHESDA, MARYLAND 20814  
 (301) 953-2532  
 DATE: 6/18/96

Approved for HOWARD SOIL and meets Technical Requirements.

*Cheryl [Signature]* 3/1/99  
 B.A.-Natural Resources Conservation Service  
 Date: 3/1/99

*Robert W. [Signature]* 3/1/99  
 HOWARD SOIL CONSERVATION DISTRICT  
 ROWAN SCD  
 Date: 3/1/99

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Cindy [Signature]* 3/1/99  
 Chief, Division of Land Development and Research  
 Date: 3/1/99

*[Signature]* 3/1/99  
 Chief, Development Engineering Division  
 Date: 3/1/99

*[Signature]* 3/1/99  
 DIRECTOR  
 DATE: 3/1/99

SUBDIVISION: BALTIMORE WASHINGTON INDUSTRIAL PARK SECTION/AREA: BLOCK C PARCEL: J  
 PLAT NO. 2866 BLOCK NO. 23 ZONE M-2 TAX/ZONE 4B ELEC. DIST. 6TH CENSUS TR. 6069.01  
 WATER CODE B-02 SEWER CODE 4201200

**SITE DEVELOPMENT PLAN NOTES & DETAILS**

**BALTIMORE WASHINGTON INDUSTRIAL PARK**  
 PARCEL "J" BLOCK "C"

TAX MAP No: 48 PARCEL: P/0 167  
 ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JAN, 1997  
 SHEET 6 OF 6