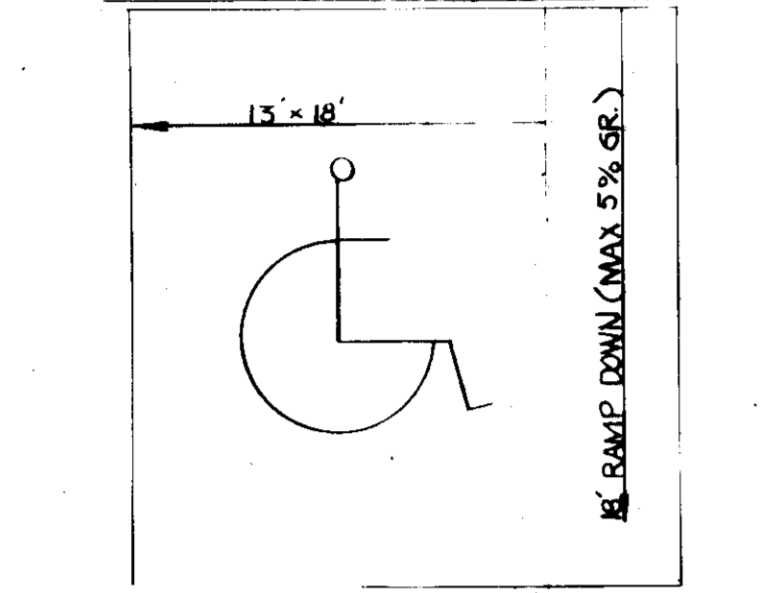


NOTE: USE AT ENTRANCES AND AT A-5 & A-10 CURB OPENING INLETS. ALL OTHER CURBS TO BE BITUMINOUS CONC. CURBS.



**HANDICAPPED PARKING SIGN**  
 1) STD. RT-8  
 2) AS PER MD CD BILL 58-87  
 3) NOT TO SCALE

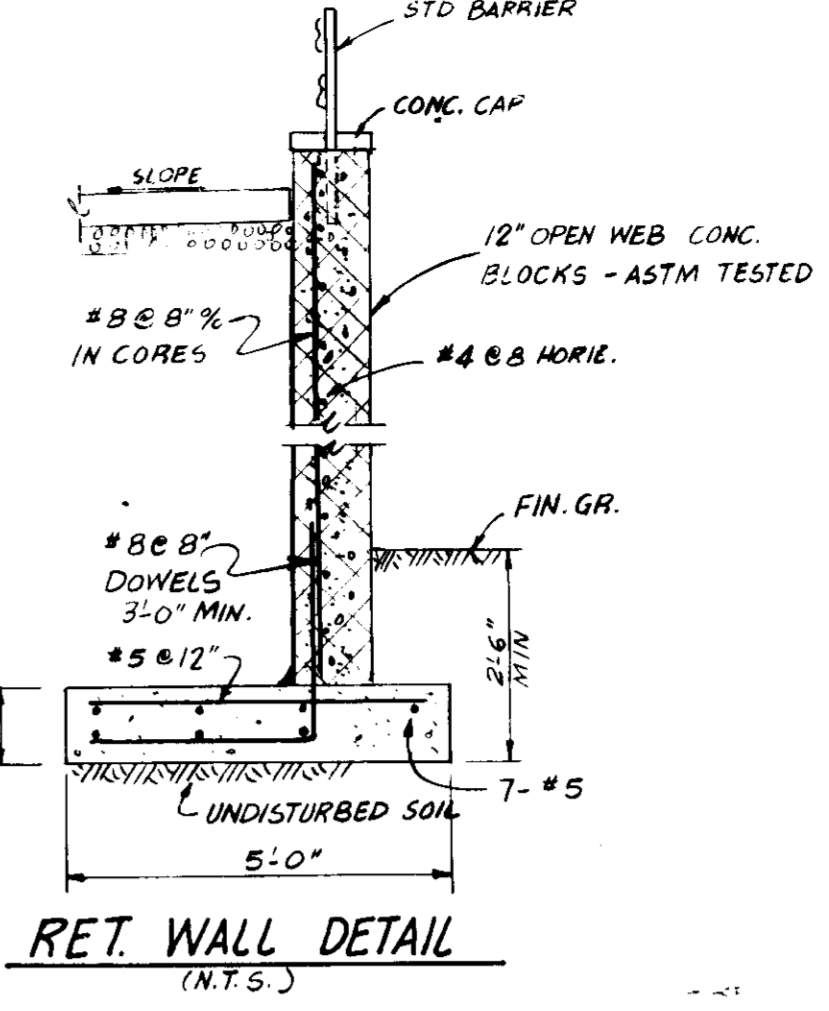


**TYPICAL HANDICAPPED PARKING SPOT AND RAMP DETAIL**

EXISTING WOODED AREA. PROTECT EXIST TREES DURING GRADING OPERATION. REPLACE WITH NEW TREE AND TREE THAT WILL RESULT DAMAGED

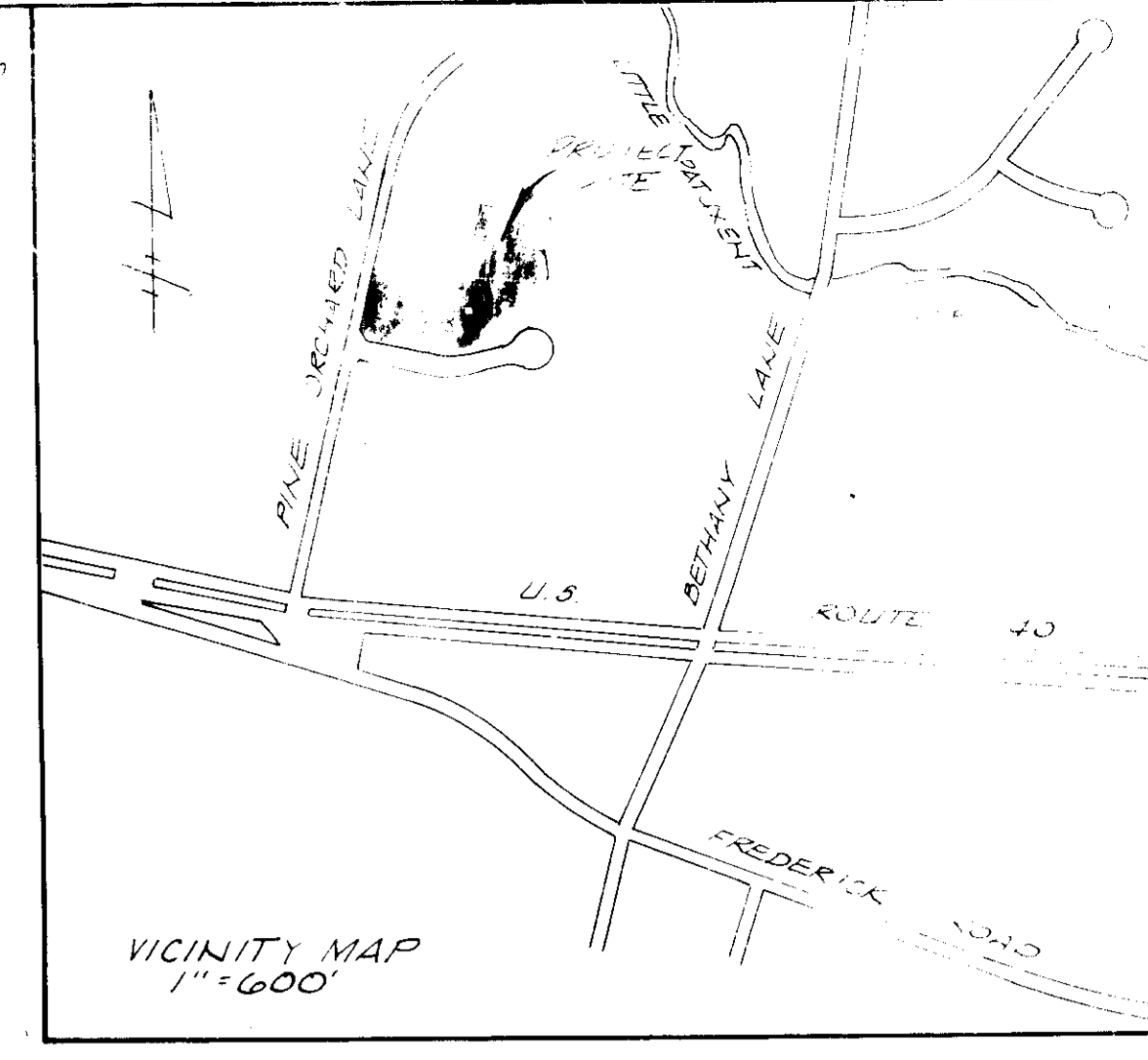
LIMITS OF PHASE II - TO BE DEVELOPED IN FUTURE

NOTE: DEPENDING ON SOIL CONSISTENCY ENGINEER MAY CHANGE W/ RET WALL TO ALL CONCRETE RET. WALL



**RET. WALL DETAIL (N.T.S.)**

NOTES:  
 1. WALL TO BE CONSTRUCTED WITH SELECTED MASONRY UNITS BONDED WITH TYPE 'S' MORTAR.  
 2. FOUNDATION AND FILLING IN CORES TO BE CLASS 4000 PSI CONC.  
 3. WHERE HEIGHT OF WALL IS LESS THAN 6' #6 BARS MAY BE USED IN LEV OF #8

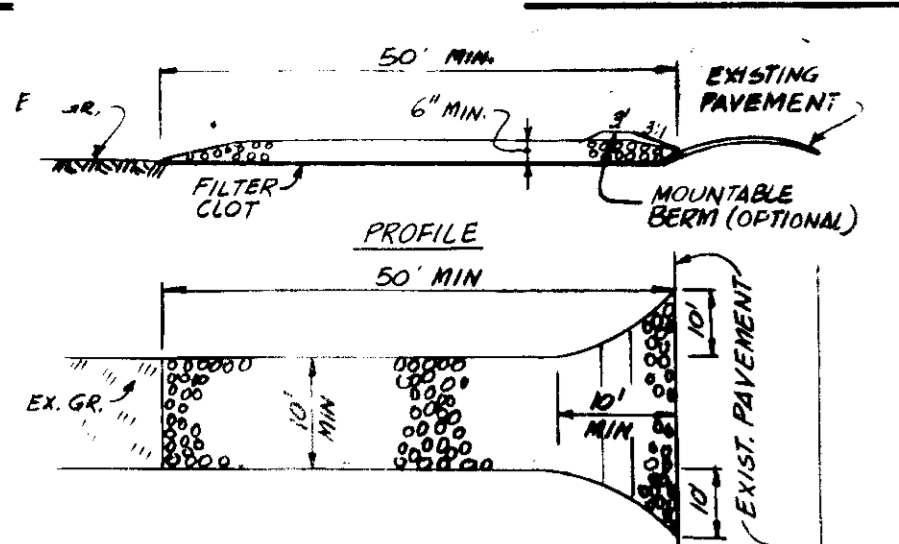


**VICINITY MAP 1"=600'**

**GENERAL NOTES**

- TAX MAP: 24, PARCELS: F, G, H, I, K, L (TO BE CONSOLIDATED INTO ONE PARCEL)
- PLAT REFERENCE: P 5716 OF 1/17/1984
- PRESENT ZONING: B-1
- TOTAL AREA: 3.81 AC. PHASE I TO BE DEVELOPED
- PROPOSED USE: OFFICES & RETAIL
- TOTAL NUMBER OF UNITS: 29  
 NUMBER OF RETAIL UNITS: 2  
 NUMBER OF OFFICE UNITS: 27  
 TOTAL AREA: 5.6  
 TOTAL NUMBER OF EMPLOYEES: MAX
- PARKING REQUIREMENTS:  
 RETAIL: 15 SPACES / 200 S.F. = 7.5 SPACES  
 OFFICE: 75 SPACES / 10 EMPLOYEES = 7.5 SPACES  
 TOTAL: 90 SPACES  
 PROVIDED SPACES OF WHICH 11 SPACES ARE FOR HANDICAPPED
- AREA ANALYSIS:  
 TOTAL PAVED AREA: 1.4 AC  
 TOTAL PARKING AREA: 1.4 AC  
 TOTAL BUILDING AREA: 1.4 AC  
 TOTAL OPEN SPACE AREA: 1.4 AC  
 CORRESPONDS TO 36% OF SITE AREA
- PINE ORCHARD LANE AND CORPORATE COURT ARE EXISTING PUBLIC ROADS
- PUBLIC WATER AND PUBLIC SEWER ARE TO BE UTILIZED. EXISTING WATER & SEWER HOUSE CONNECTIONS WILL BE ABANDONED AT DEVELOPER'S EXPENSE
- STORM WATER MANAGEMENT FACILITY IS EXISTING FROM PREVIOUS DEVELOPMENT & IT WAS DESIGNED FOR FULL SITE DEVELOPMENT. SEE FILE F-83-65
- ALL EXTERIOR LIGHTING SHALL BE DIRECTED OR REFLECTED AWAY FROM ADJACENT PUBLIC ROAD & RESIDENTIAL PROPERTIES.

ADDRESS CHART		
SUBDIVISION NO.	STREET ADDRESS	NO. STORES
1	3201 CORPORATE COURT	2
2	3203	3
3	3205	2
4	3207	2
5	3209	3
6	3211	2
7	3213	2
8	3215	3
9	3217	2
10	3219	2
11	3221	2
12	3223	2
13	3225	2
14	3227	2
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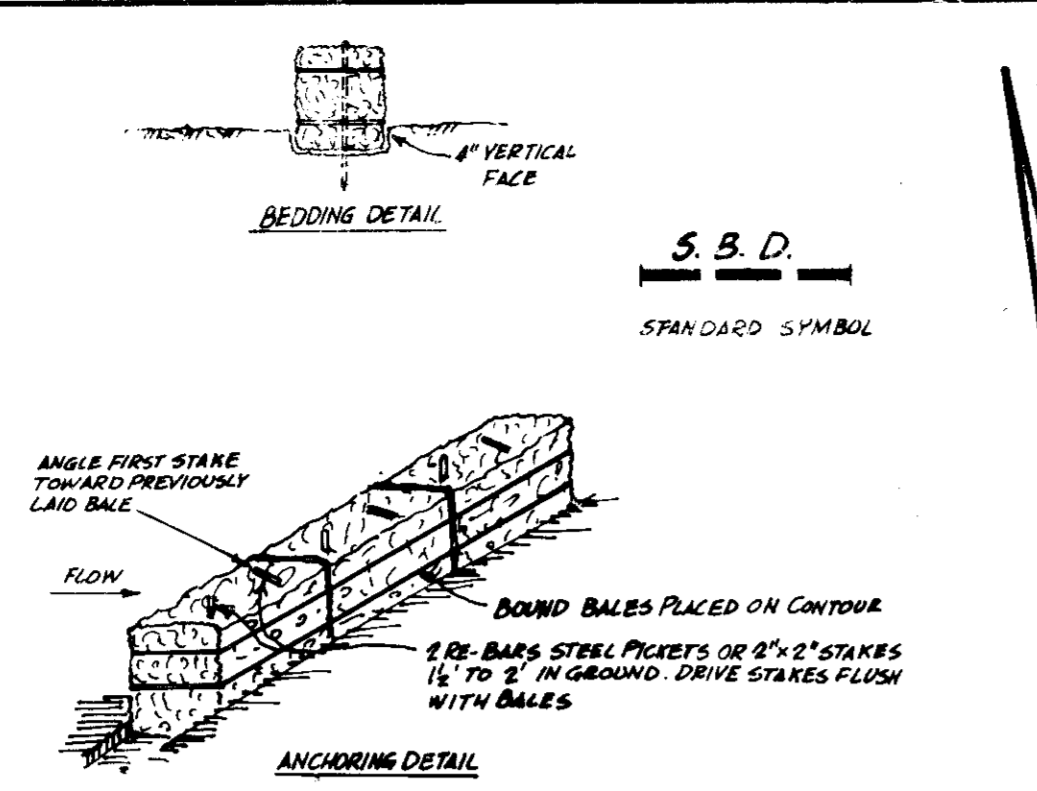


**STABILIZED CONSTRUCTION ENTRANCE**  
(S.C.S. STD. DWG. SCE-1; N.T.S.)

- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE: 2" STONE
  - DIMENSIONS: LENGTH = 50'; WIDTH = 30'; THICKNESS = 6"
  - PLACE FILTER CLOTH OVER ENTIRE AREA PRIOR TO PLACING STONE.
  - DIVERT SURFACE WATER TOWARD CONSTRUCTION USING BERM IF REQUIRED.
  - MAINTAIN ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R/W. BY TOP DRESSING PERIODICALLY WITH STONE. ANY SEDIMENT SPILLED, WASHED OR TRACKED ONTO PUBLIC R/W MUST BE IMMEDIATELY REMOVED.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

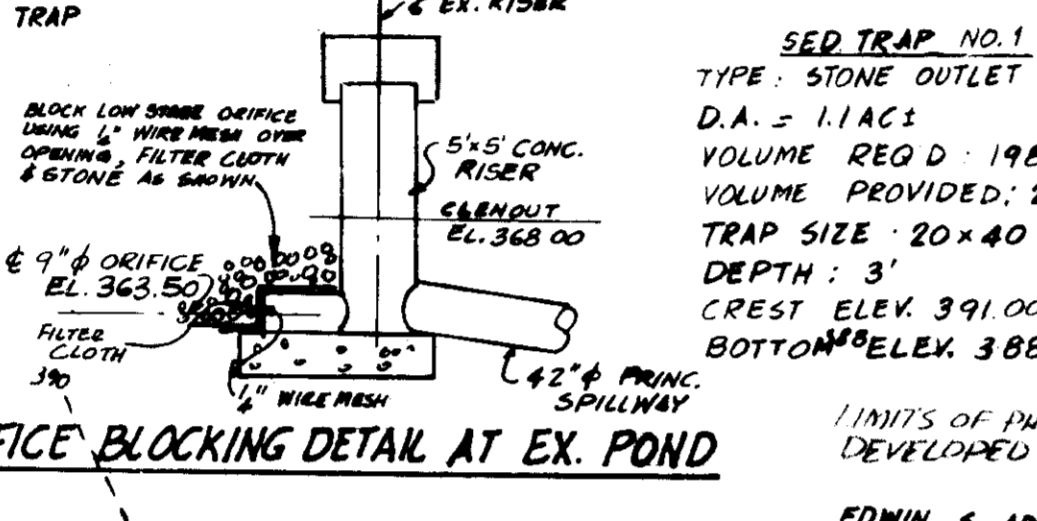
**CONSTRUCTION SEQUENCE**

- OBTAIN GRADING PERMIT
- INSTALL S.C.E. AND CLEAR PERIMETER FOR INSTALLATION OF STRAW BALES, SED. TRAP AND EARTH DIKE. COMPLETE THIS WORK WITHOUT INTERRUPTIONS (ROAD AND BLOCK LOW STAGE ORIFICE & CONTINUE SITE CLEARING)
- ROUGH GRADE SITE. INSTALL STORM DRAINS; CONSTRUCT INLETS AND INSTALL INLET PROTECTIVE STORM.
- CONTACT UTILITY AND INSTALL UTILITIES
- CONTRACT BUILDINGS AND PAVE AREAS TO BE PAVED (6 MONTHS)
- FINE GRADE AND PERMANENTLY STABILIZE SITE (5 DAYS)
- CLEAN OUT EXIST. POND & REMOVE BLOCKING FROM LOW STAGE ORIFICE
- REMOVE ALL SEDIMENT CONTROL MEASURES WITH THE PERMISSION OF SEDIMENT CONTROL INSPECTOR.



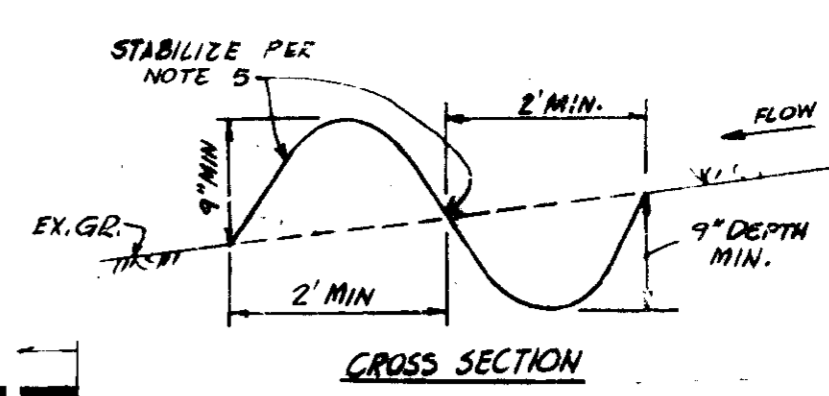
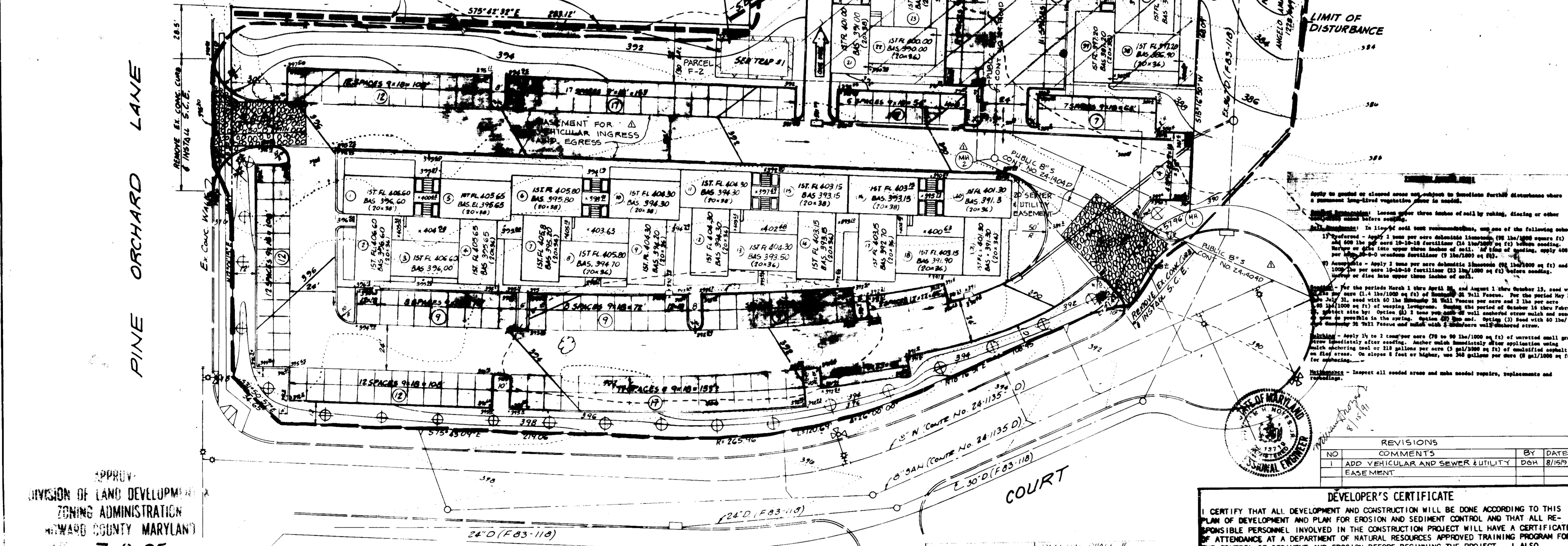
**STRAW BALE DIKE**  
(S.C.S. STD. DWG. SBD-1; N.T.S.)

- CONSTRUCTION SPECIFICATIONS:**
- BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ADJUTING THE ADJACENT BAKES
  - EACH BALE SHALL BE EMBEDDED A MIN. OF 4" INTO SOIL AND PLACED SO THE BINDINGS ARE HORIZONTAL.
  - BALES SHALL BE SECURELY ANCHORED IN PLACE AS SHOWN ABOVE
  - INSPECTION SHALL BE FREQUENT AND REPAIR AND REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  - BALES SHALL BE REMOVED WHEN DIRECTED BY S.C. INSPECTOR
  - SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.



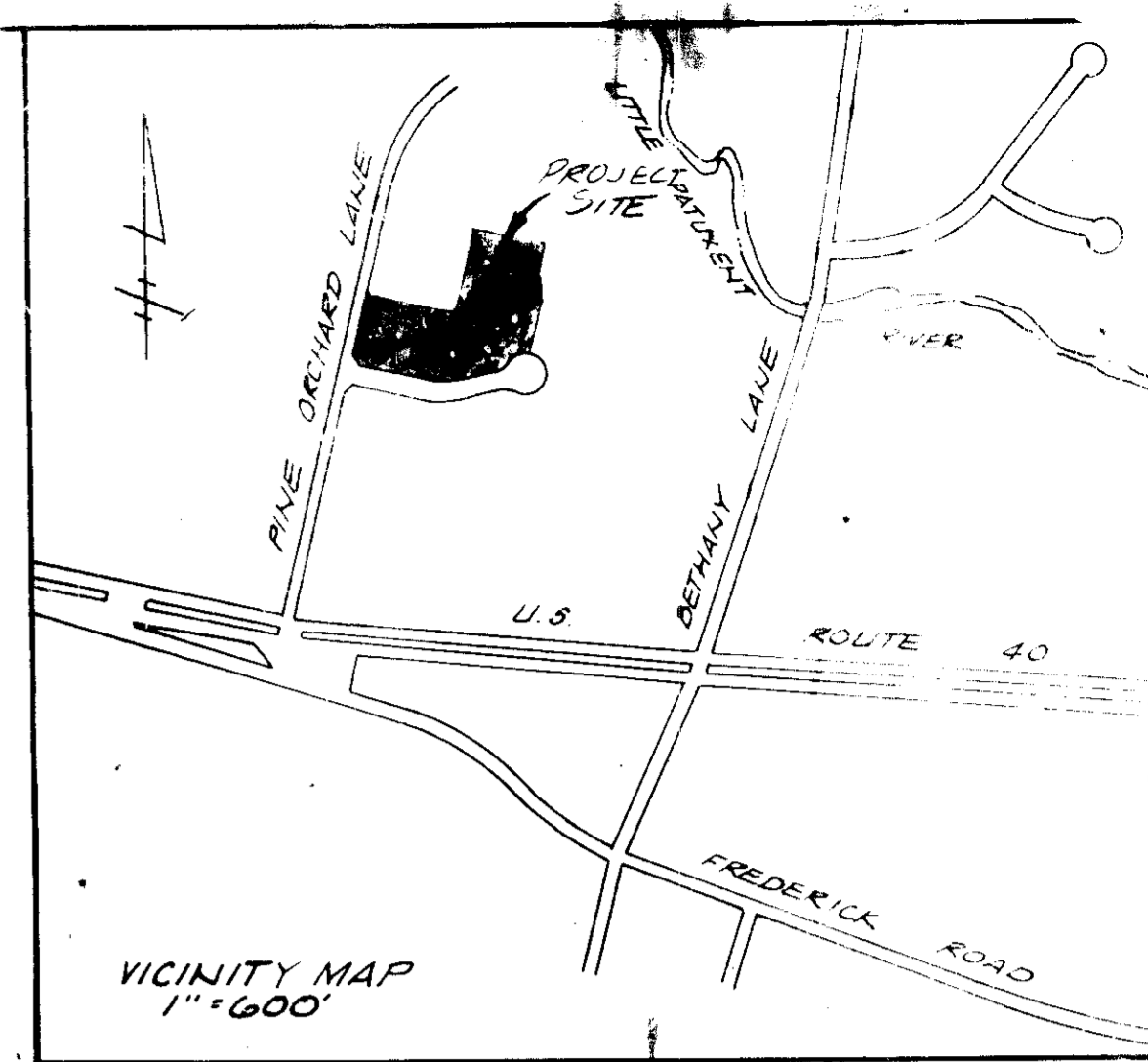
**ORIFICE BLOCKING DETAIL AT EX. POND**

SED. TRAP NO. 1  
TYPE - STONE OUTLET TRAP  
D.A. = 1.1 A.C.  
VOLUME REQ'D 1980 C.F.  
VOLUME PROVIDED: 2400 C.F.  
TRAP SIZE: 20x40  
DEPTH: 3'  
CREST ELEV. 391.00  
BOTTOM ELEV. 388.00



**PERIMETER DIKE/SWALE**  
(S.C.S. STD. DET. PDS-1; N.T.S.)

- CONSTRUCTION SPECIFICATIONS**
- ALL PERIMETER SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
  - INVERTED RUN-OFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
  - INVERTED RUN-OFF FROM A DISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT A NON-EROSIVE VELOCITY
  - THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS SHOWN
  - STABILIZATION OF THE AREA DISTURBED BY THE DIKE SHALL BE DONE IN ACCORDANCE WITH THE STANDARDS & SPECIFICATIONS WITHIN 10 DAYS
  - PERIODIC INSPECTIONS AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN.



**SEDIMENT CONTROL NOTES**

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS & PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (892-2437)
- 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.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE COMPLETED WITHIN: (a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; (b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREA ON PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOLUME I, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (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 PERMISSION FOR THEIR REMOVAL HAS BEEN GRANTED BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:  
TOTAL AREA OF SITE: 3.81 AC  
AREA DISTURBED: 3.5 AC  
AREA TO BE ROOFED OR PAVED: 2.5 AC  
AREA TO BE VEGETATIVELY STABILIZED: 1.0 AC  
TOTAL CUT:  
TOTAL FILL:  
OFFSITE WASTE AREA LOCATION: AS APPROVED BY S.C. INSPECTOR
- 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 CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW 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 APPROVAL BY THE INSPECTION AGENCY IS MADE.

**NOTES**

- STORM WATER MANAGEMENT FACILITY IS EXISTING AND CONSISTS IN A 5' W.M. DRY POND WHICH WAS DESIGNED USING AN RN FACTOR OF 95 (FULL SITE DEVELOPMENT) AND WAS APPROVED AS PART OF FINAL PLAN FBS.
- CONTRACTOR SHALL ADEQUATELY PROTECT LOW STAGE ORIFICE OF EXIST. POND OUTLET STRUCTURE TO USE POND AS SEDIMENT TRAP DURING CONSTRUCTION. POND SHALL BE CLEANED PROPERLY & RESTORED TO ORIGINAL SHAPE UPON COMPLETION OF WORK.

**OWNER & DEVELOPER**  
ANGILO INHABILE  
C/O VENUS CONSTRUCTION CO.  
3240 CORPORATE CT.  
ELICOTT CITY, MD 21043  
TEL (301) 445-0077

**REVISIONS**

NO.	COMMENTS	BY	DATE
1	ADD VEHICULAR AND SEWER & UTILITY EASEMENT	DGH	8/16/91

**DEVELOPER'S CERTIFICATE**  
I 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 NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

ANGILO INHABILE  
DATE: 9-27-1985

**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.

ROSARIO DI MARCO  
DATE: 11/1/85

**RDM ENGINEERING, INC.**  
11416 OLD FREDERICK ROAD  
MARRIOTTVILLE, MARYLAND 21044  
TEL. (301) 442-1250

APPROVED:  
DIVISION OF LAND DEVELOPMENT  
ZONING ADMINISTRATION  
HOWARD COUNTY MARYLAND  
7-3-85  
J. L. HANN

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
PLANNING DIRECTOR: [Signature] DATE: 10-31-85  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: [Signature] DATE: [Blank]  
CHIEF BUREAU OF ENGINEERING: [Signature] DATE: [Blank]

**CORPORATE**

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE  
DATE: [Blank]

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

[Signature]  
HOWARD SOIL CONSERVATION DISTRICT  
DATE: [Blank]

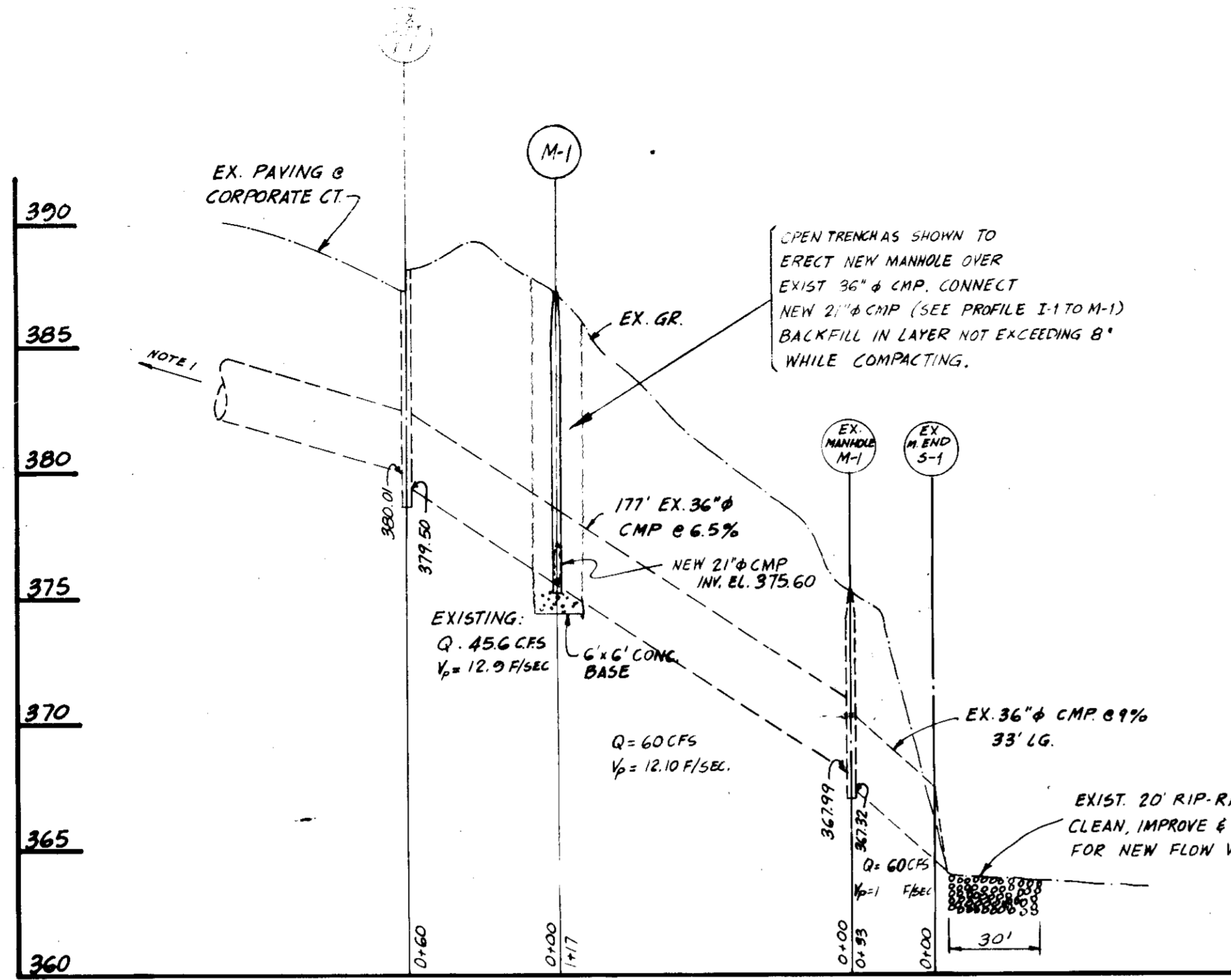
REVISIONS

DEVELOPER'S CERTIFICATE

ENGINEER'S CERTIFICATE

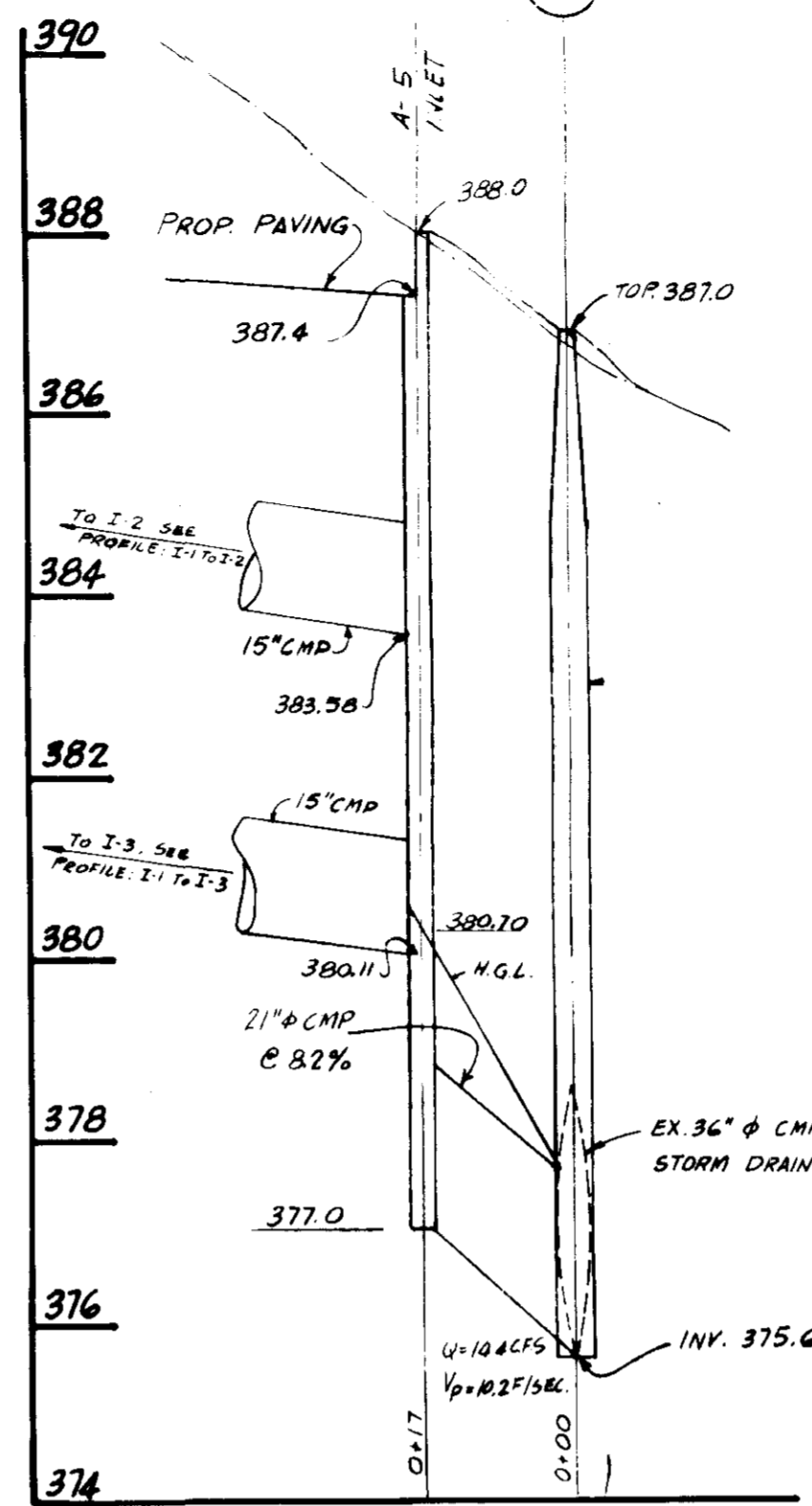
RDM ENGINEERING, INC.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE: 7-3-85  
 BY: [Signature]



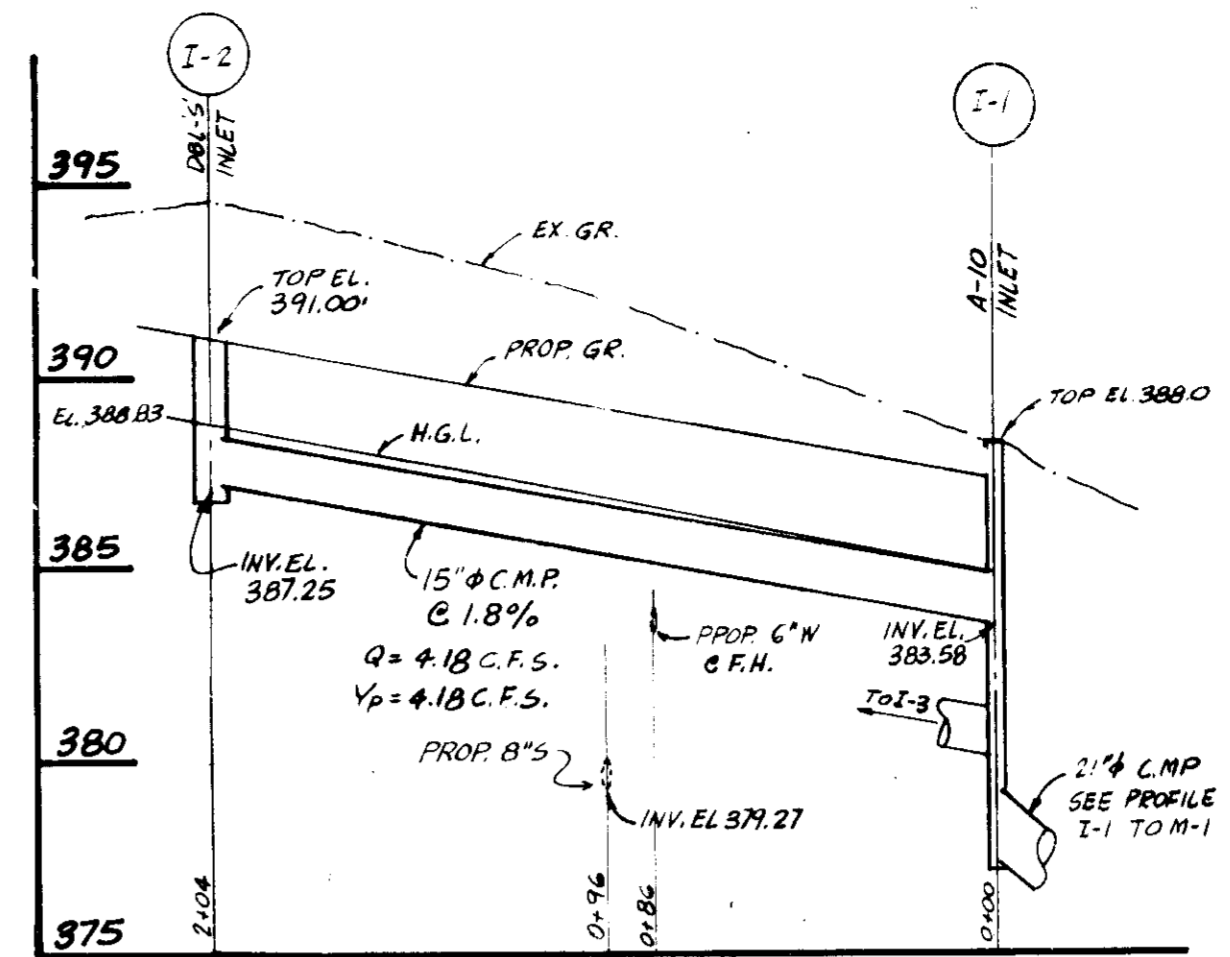
**PROFILE ALONG EXIST. 36" φ CMP STORM DRAIN**

NOTE 1: CONTINUES AS SHOWN ON DRAWING SH 2 OF 2 OF ORIGINAL SUBMISSION REF. FILE F 03-118.



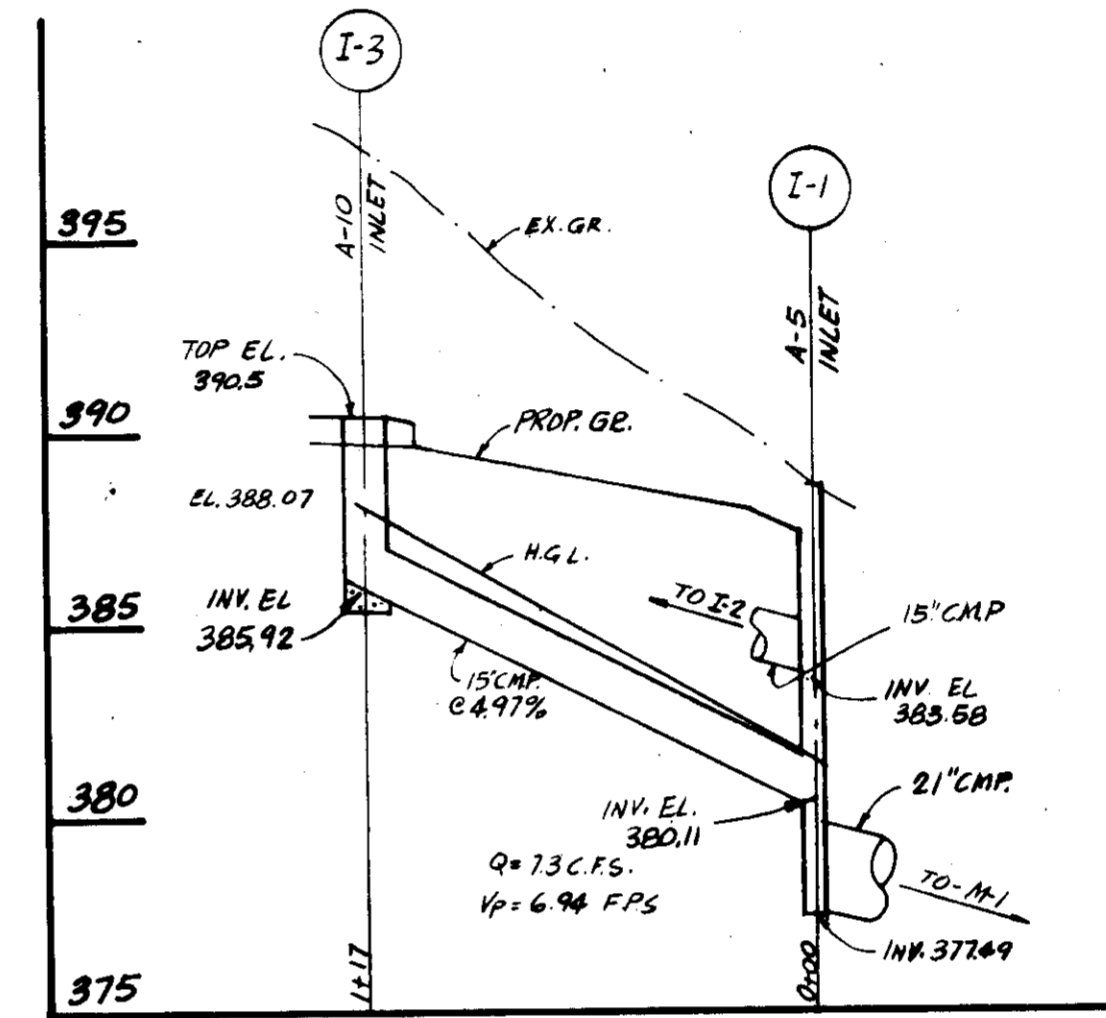
**PROFILE I-1 TO M-1 - 21" CMP S.D.**

SCALE: HOR. 1" = 20' VERT. 1" = 2'



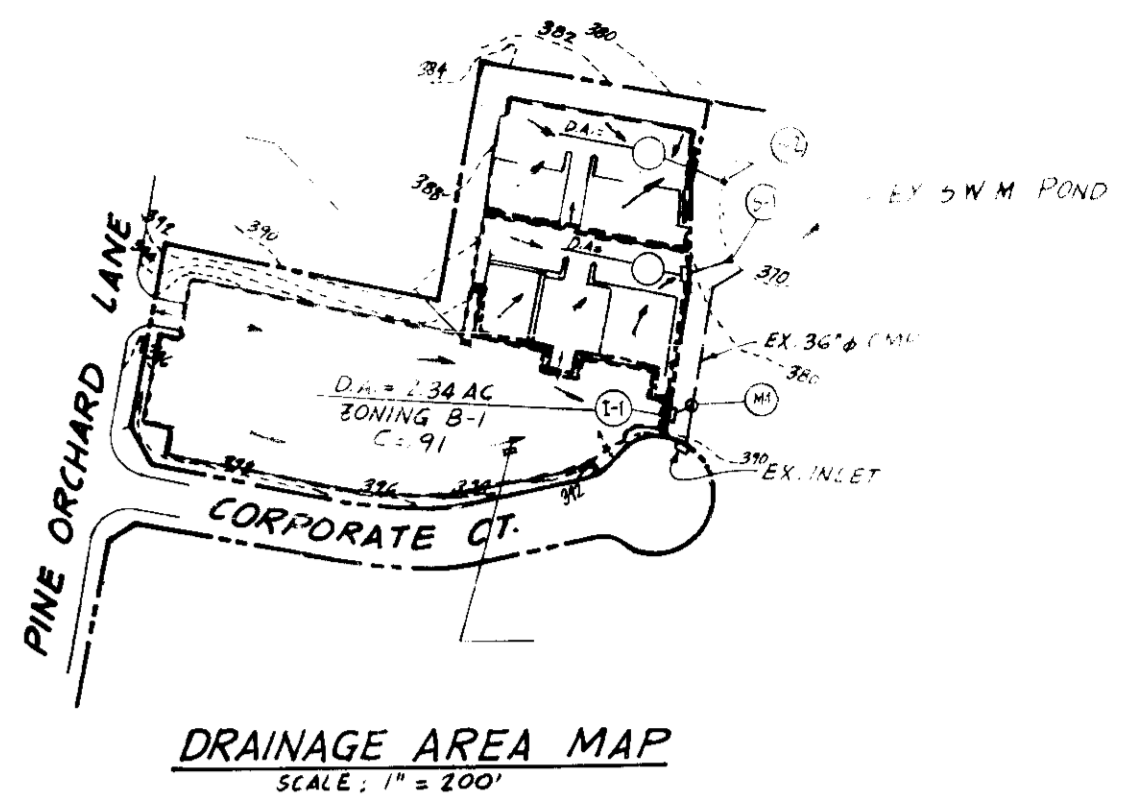
**PROFILE I-2 TO I-1 - 15" φ CMP S.D.**

SCALE: HOR. 1" = 50' VERT. 1" = 5'

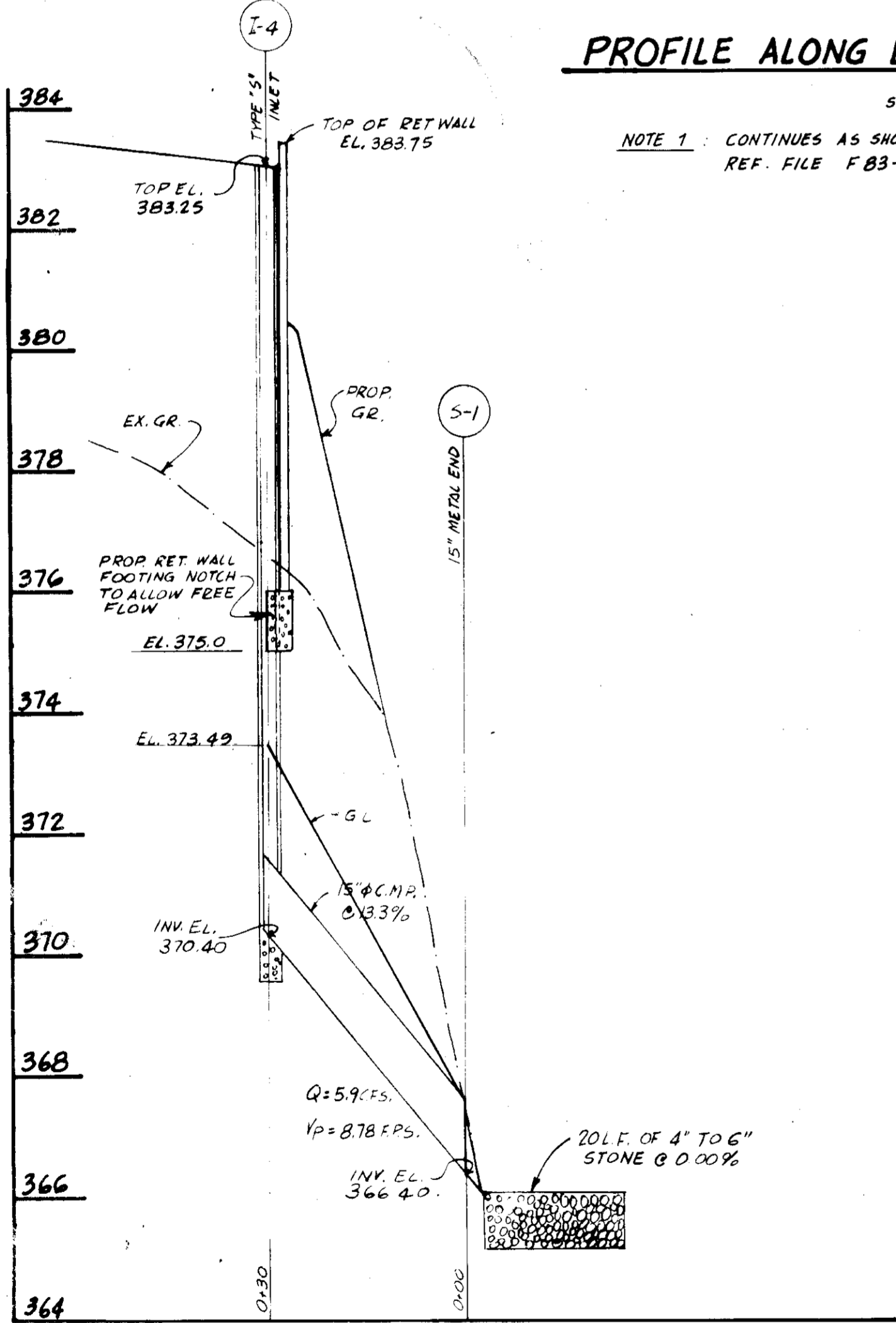
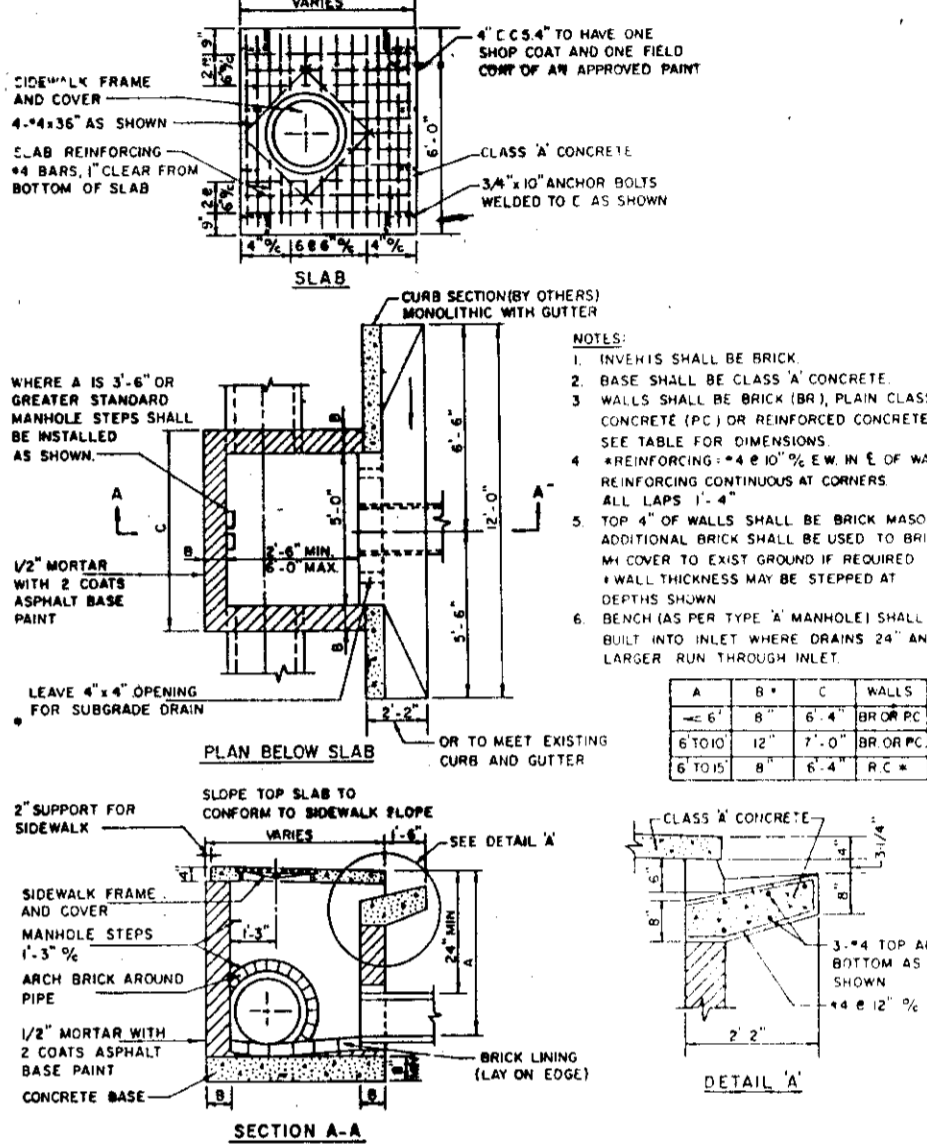


**PROFILE I-3 TO I-1 - 15" φ CMP S.D.**

SCALE: HOR. 1" = 50' VERT. 1" = 5'

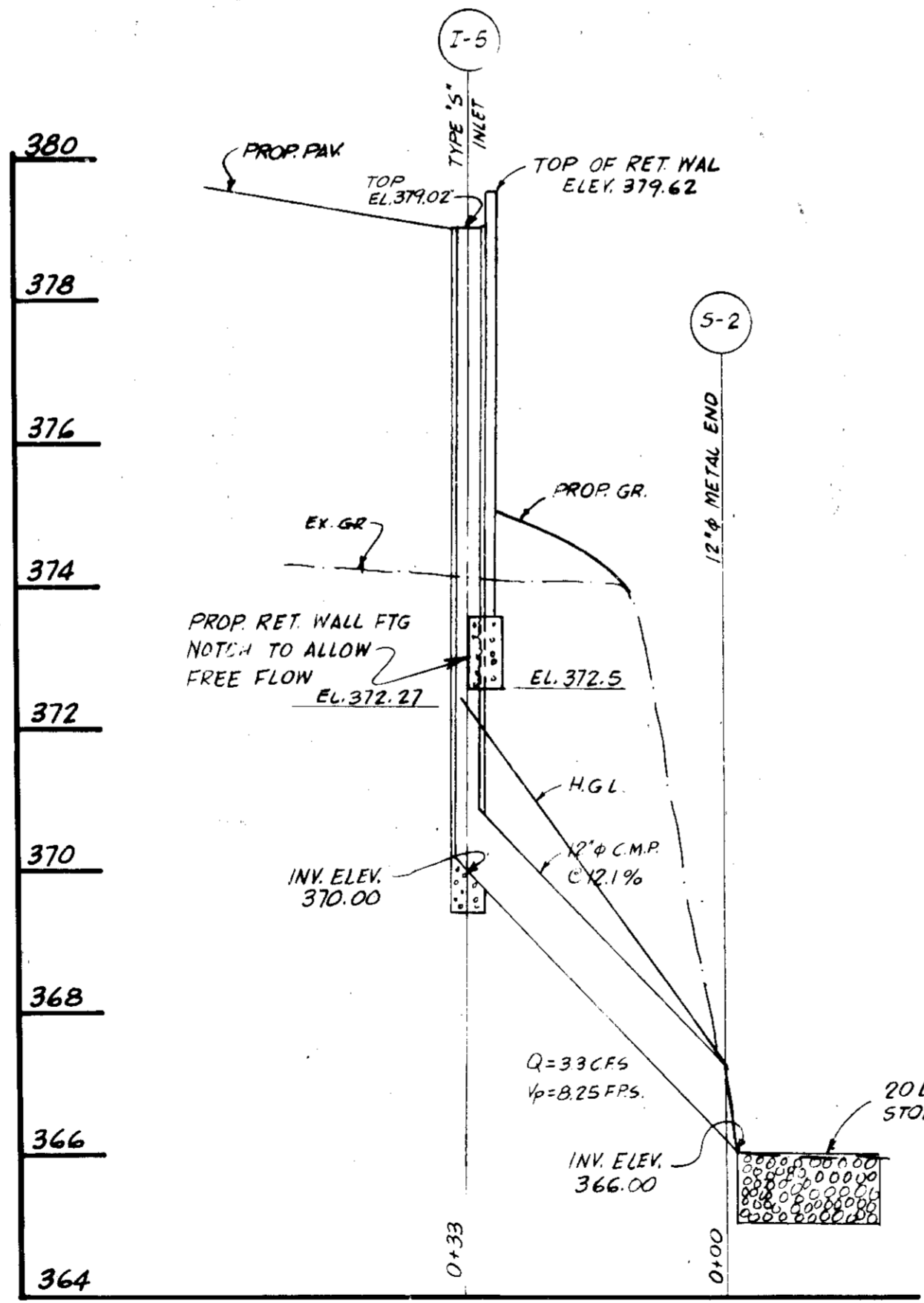


NOTE: MAP SHOWN HEREON IS FOR INDICATION ONLY AND SHALL SERVE AS MEANS TO ESTABLISH DIMENSIONS, ELEVATIONS AND OTHER INFORMATION SHOWN ON DWG. 5-4.



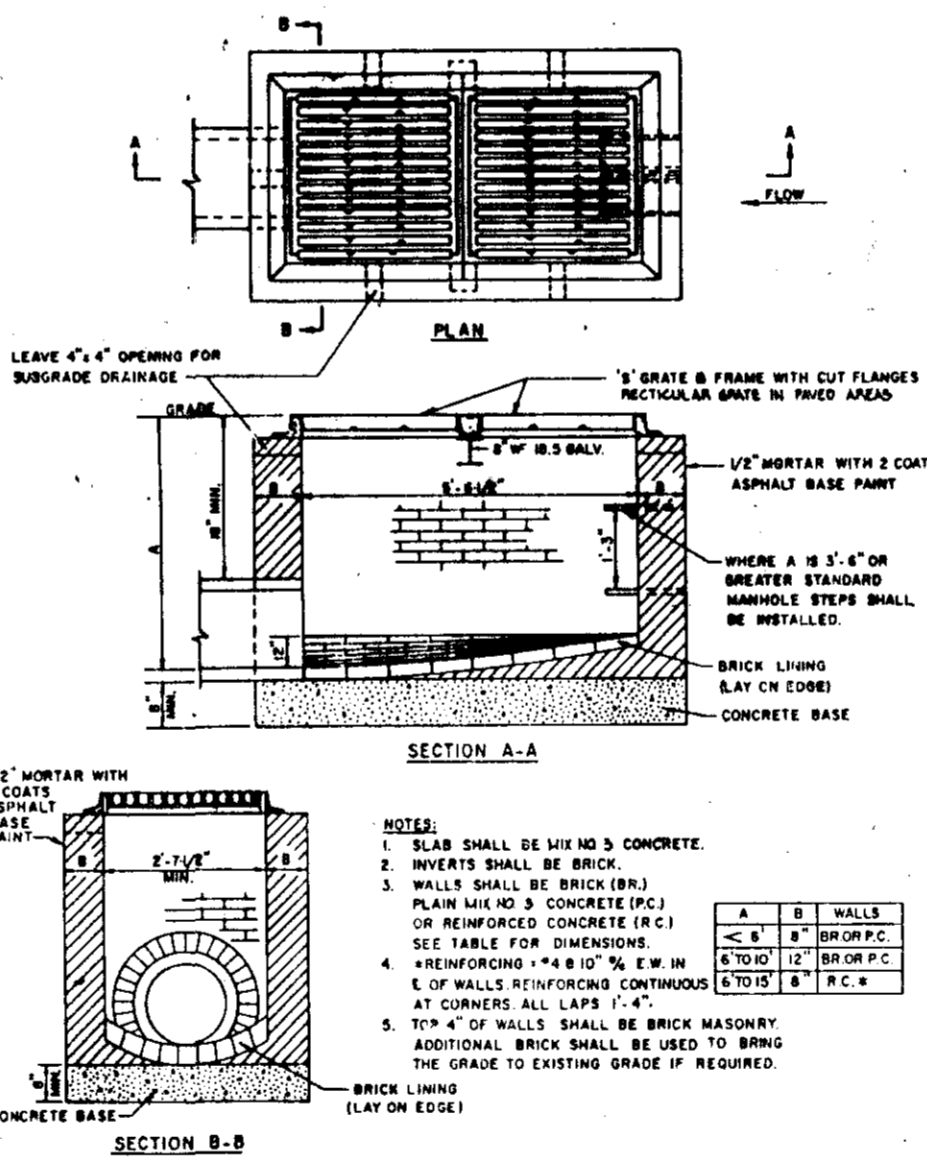
**PROFILE I-4 TO S-1 - 15" φ CMP S.D.**

SCALE: HOR. 1" = 20' VERT. 1" = 2'



**PROFILE I-5 TO S-2 - 12" φ CMP S.D.**

SCALE: HOR. 1" = 20' VERT. 1" = 2'



**DOUBLE "S" INLET**

NO. CO. STD. DET. 5D-4.31 - N.T.S.  
 NOTE: FOR TYPE "S" INLET SEE NO. CO. STD. DET. 5D-4.22

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE: 10-30-85  
 BY: [Signature]

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR: [Signature]  
 DATE: 10-31-85

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature]  
 DATE: [Blank]

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 U.S. SOIL CONSERVATION SERVICE  
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT  
 DATE: [Blank]

**DEVELOPER'S CERTIFICATE**  
 I 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 NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.  
 DEVELOPER: ANGELO AMABILE  
 DATE: SEP. 17, 1985

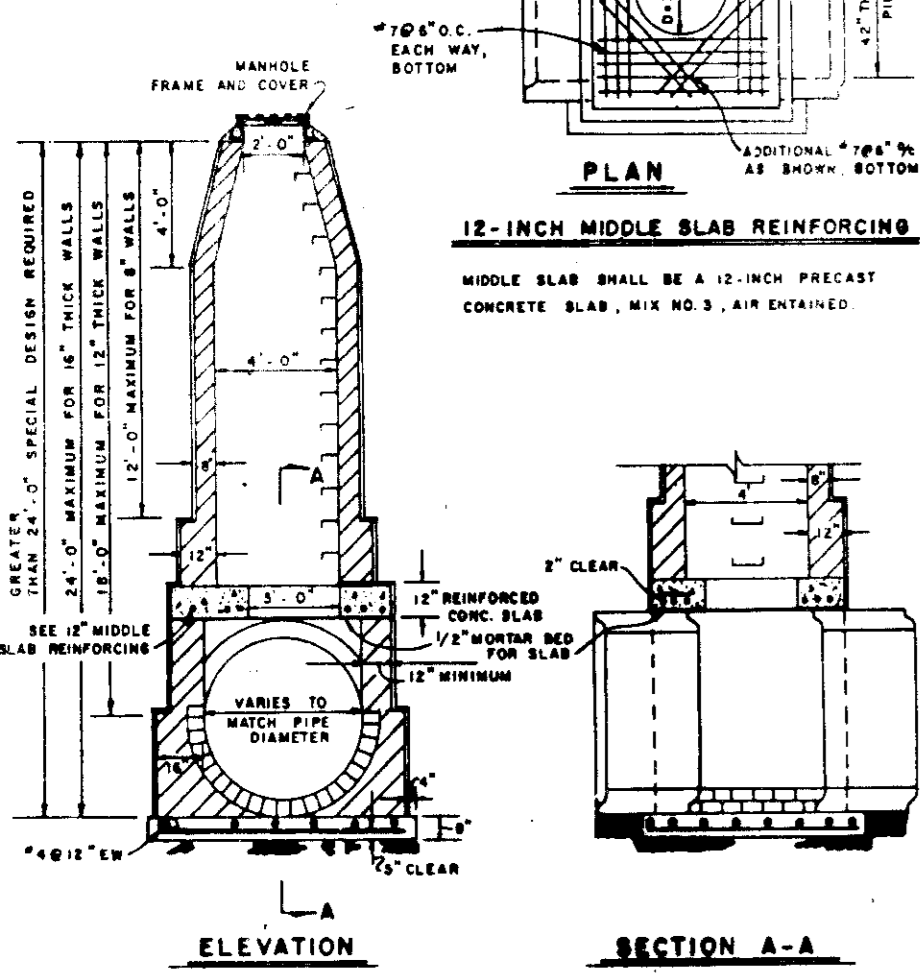
**ENGINEER'S CERTIFICATE**  
 I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard County Soil Conservation District.  
 ENGINEER: ROSARIO DI MARCO P.E.  
 DATE: 10/1/85

**OWNER & DEVELOPER**  
 ANGELO AMABILE  
 C/O VENUS CONSTRUCTION CO.  
 3240 CORPORATE COURT  
 ELLICOTT CITY, MD 21043

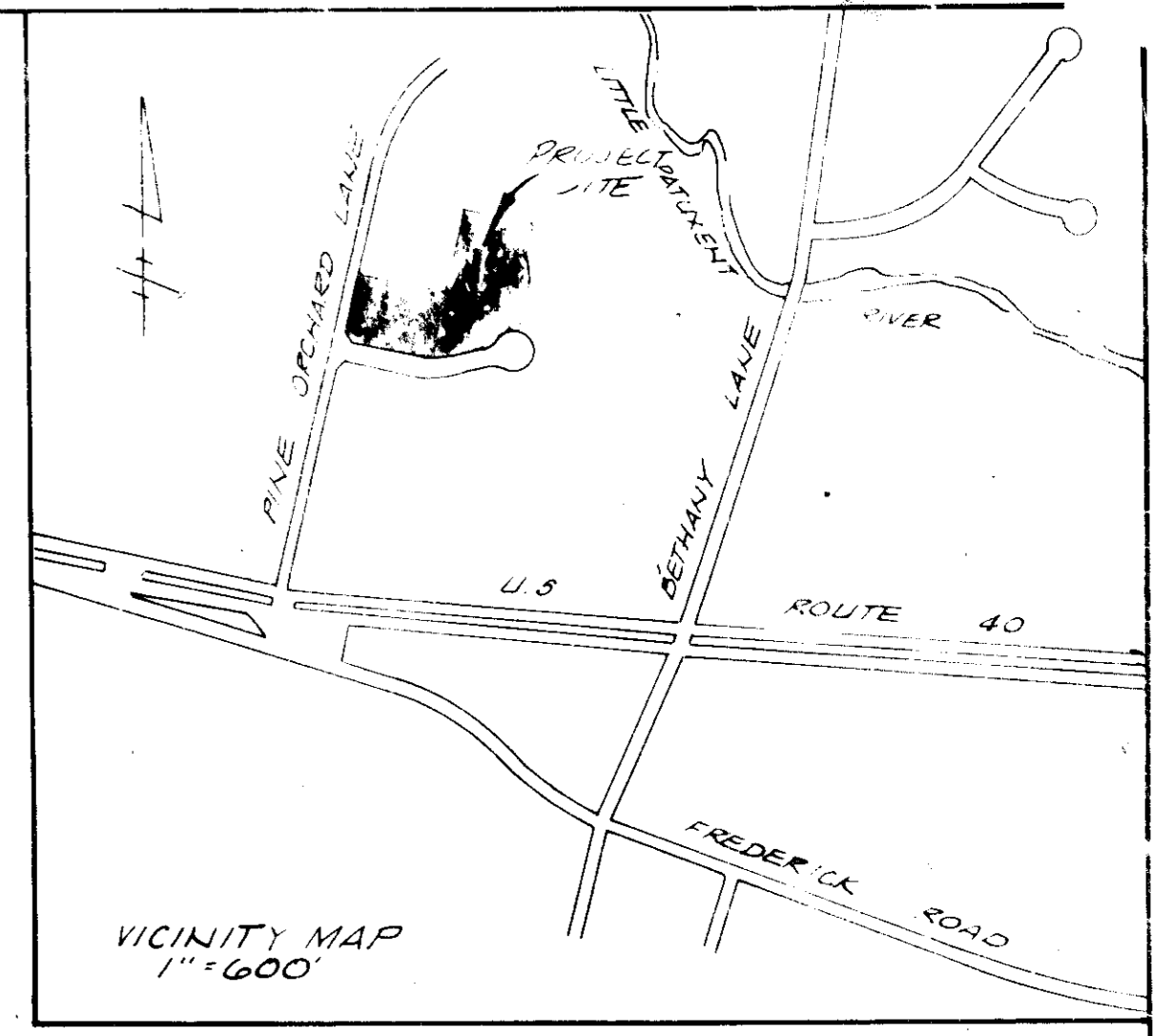
TITLE	STORM DRAINS PROFILES & STD. DETAILS				
PROJECT	PINE ORCHARD PARK - SECTION 2 - PARCEL "F-1"				
LOCATION	2ND ELECTION DISTRICT, TAX MAP 24, HOWARD COUNTY, MD				
DATE	JUN 85	SCALE	AS NOTE	DESIGN BY	RDM
				DRAWN BY	RDM
				CHECKED BY	RDM
				DRAWING NO.	3 OF 6
				JOB NO.	R 85-04

**RDM ENGINEERING, INC.**  
 11416 OLD FREDERICK ROAD  
 MARIOTTVILLE, MARYLAND 21044  
 TEL. (301) 442-1250

SEE GENERAL NOTES APPLICABLE TO ALL BRICK MANHOLES ON DETAILS 8-11.



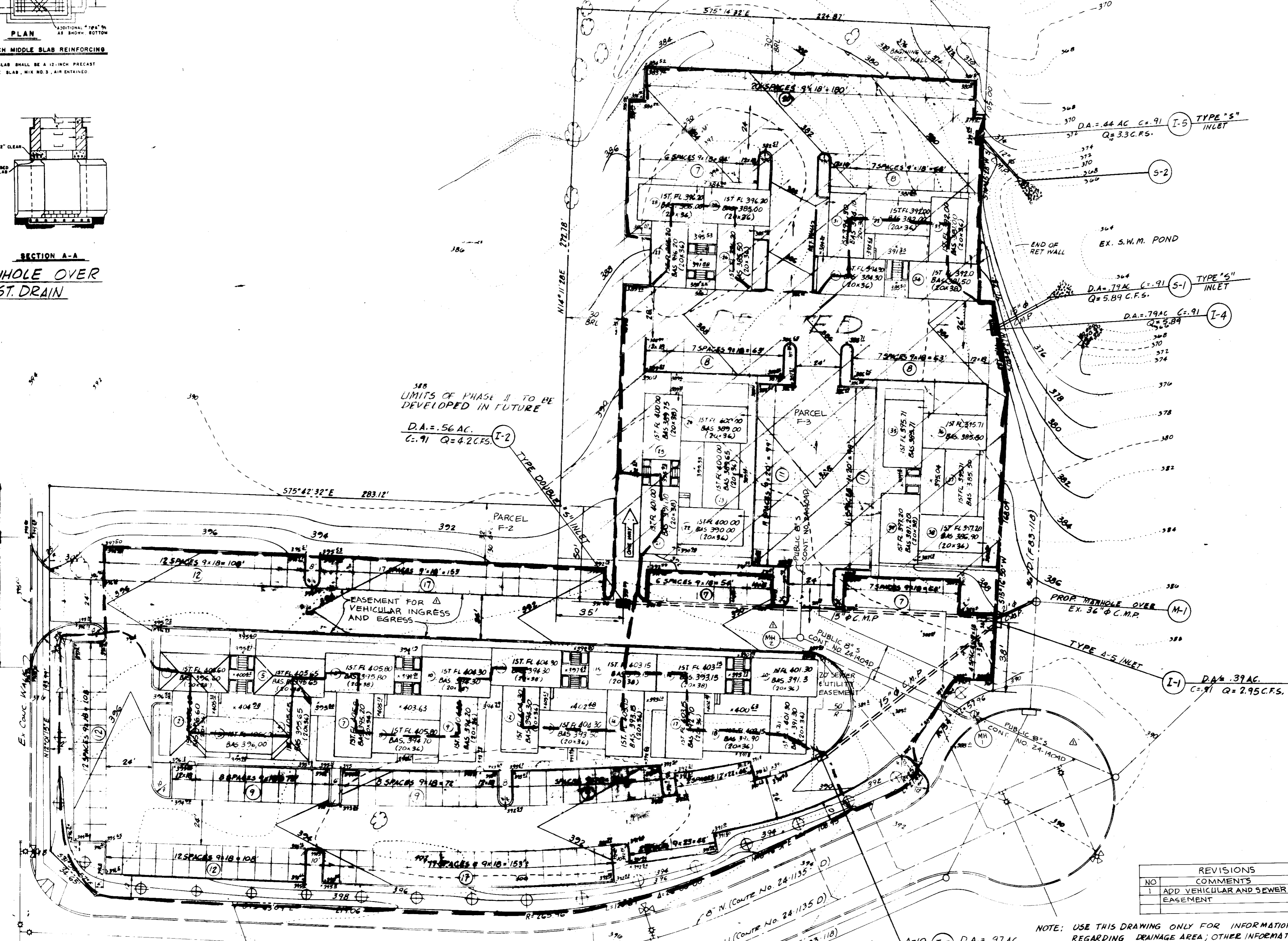
PROP. S.D. MANHOLE OVER EX. 36" Ø ST. DRAIN



VICINITY MAP 1"=600'

**GENERAL NOTES**

- TAX MAP: 24, PARCELS: F, G, H, I, J, K, L (TO BE CONSOLIDATED INTO ONE PARCEL)
- PLAT REFERENCE: P 571G OF 1, 17, 1984
- PRESENT ZONING: B-1
- TOTAL AREA: 3.81 AC ±
- PROPOSED USE: OFFICES & RETAIL WITH ONE APARTMENT UNIT ABOVE EACH COMMERCIAL UNIT.
- TOTAL NUMBER OF UNITS: 39  
 NUMBER OF RETAIL UNITS: 10  
 NUMBER OF OFFICE UNITS: 29  
 NUMBER OF APARTMENTS: 39
- TOTAL AREA: 7200 SF  
 TOTAL NUMBER OF EMPLOYEES TO MAX: 2 BEDROOMS/APART
- PARKING REQUIREMENTS:  
 RETAIL: 1 SPACE / 200 SF = 36 SPACES  
 OFFICE: 7 SPACES / 10 EMPLOYEES = 49 SPACES  
 APART: 1 1/2 SPACES / UNIT = 60 SPACES  
 TOTAL: 145 SPACES  
 PROVIDED 192 SPACES OF WHICH 7 SPACES ARE FOR HANDICAPPED
- AREA ANALYSIS:  
 TOTAL PAVED AREA: 1.75 AC  
 TOTAL PARKING AREA: 73 AC  
 TOTAL BUILDING AREA: 66 AC  
 TOTAL OPEN SPACE AREA: 80 AC  
 CORRESPONDS TO: 20% OF SITE AREA
- PINE ORCHARD LANE AND CORPORATE COURT ARE EXISTING PUBLIC ROADS.
- PUBLIC WATER AND PUBLIC SEWER ARE TO BE UTILIZED. EXISTING WATER & SEWER HOUSE CONNECTIONS WILL BE ABANDONED AT DEVELOPER'S EXPENSE.
- STORM WATER MANAGEMENT FACILITY IS EXISTING FROM PREVIOUS DEVELOPMENT & IT WAS DESIGNED FOR FULL SITE DEVELOPMENT.



NO.	COMMENTS	BY	DATE
1	ADD VEHICULAR AND SEWER & UTILITY EASEMENT	DGH	8/15/85

NOTE: USE THIS DRAWING ONLY FOR INFORMATION REGARDING DRAINAGE AREA; OTHER INFORMATION TO BE FOUND APPROPRIATELY IN DRAWING 1 TO 3 & 5 TO 6.



**DEVELOPER'S CERTIFICATE**  
 I 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 NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

DEVELOPER: ANGELO V. AMABILE  
 DATE: SEP 17, 1985

**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.

ENGINEER: ROSARIO DI MARCO  
 DATE: 9/11/85

**OWNER & DEVELOPER**

ANGELO V. AMABILE  
 VENUS CONSTRUCTION CO  
 3240 CORPORATE CT  
 ELLICOTT CITY, MD 21043  
 TEL (301) 445-0077

**DRAINAGE AREA PLAN**

PROJECT: PINE ORCHARD PARK - SECTION 2 - PARCEL 'F-1'  
 OFFICE: PHASE I  
 LOCATION: 2ND ELECTION DISTRICT TAX MAP: 24 HOWARD COUNTY, MD  
 DATE: APRIL, 1985 SCALE: 1"=30' DESIGN BY: R.D.M. DRAWN BY: A.A./R.D.M. CHECKED BY: R.D.M. DRAWING NO.: 4 OF 6 JOB NO.: R 8504

**RDM ENGINEERING, INC.**

11416 OLD FREDERICK ROAD  
 MARRIOTTSVILLE MARYLAND 21104  
 TEL (301) 442-1250

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 7-3-85  
 [Signature]

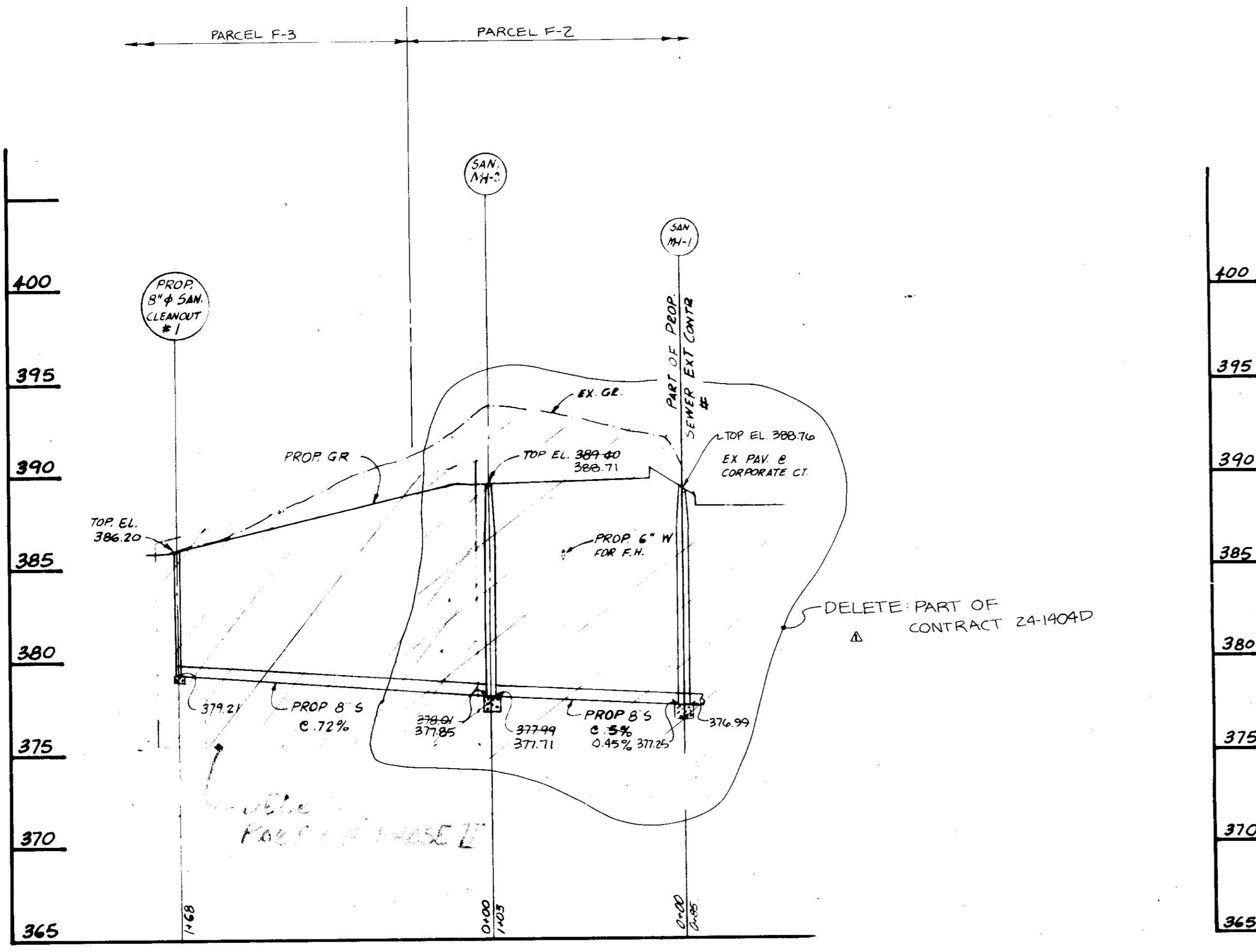
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR  
 [Signature]  
 DATE: 10-20-85

APPROVED FOR PUBLIC WATER PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR  
 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

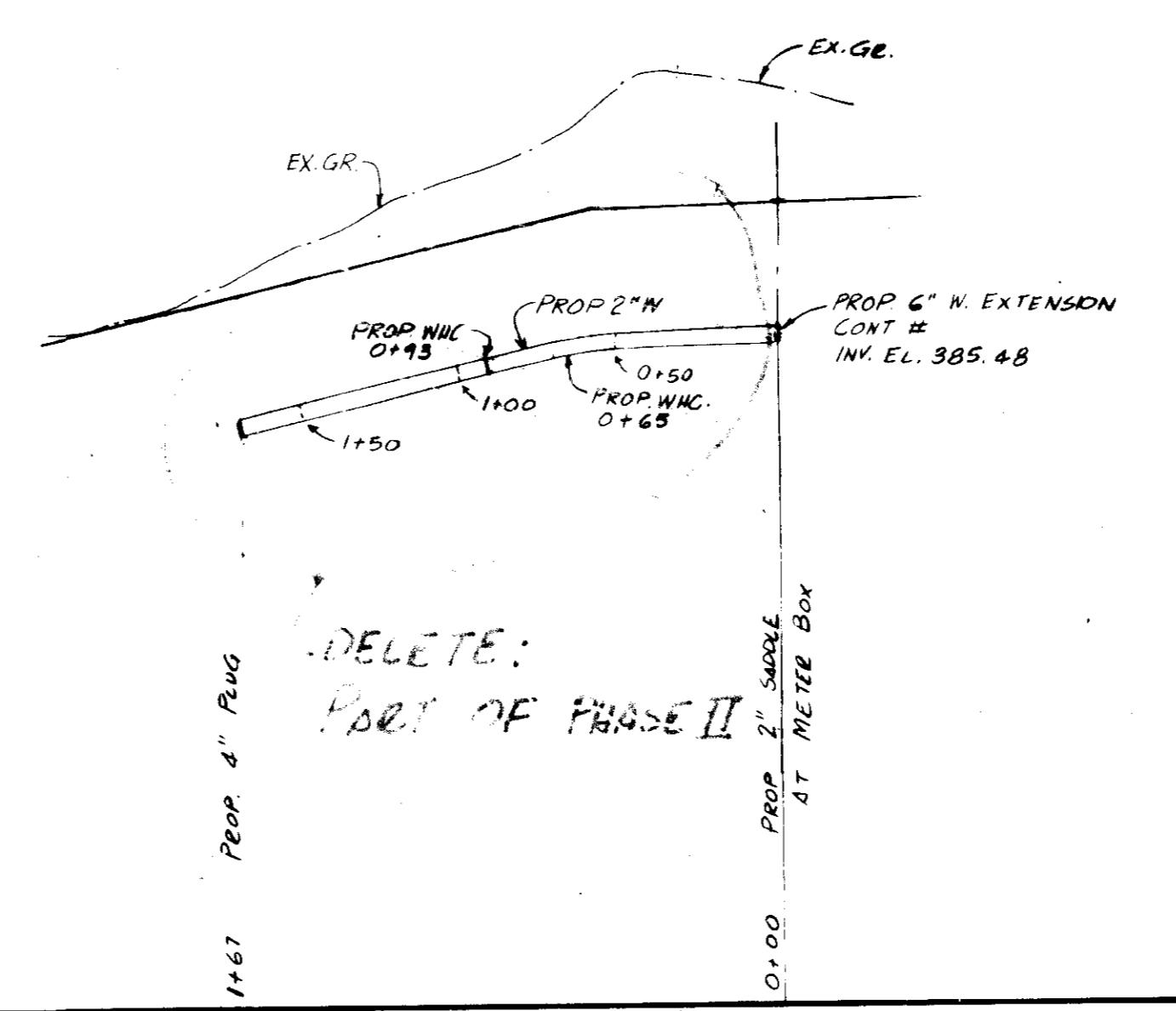
U.S. SOIL CONSERVATION SERVICE  
 THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT  
 HOWARD SOIL CONSERVATION DISTRICT  
 DATE





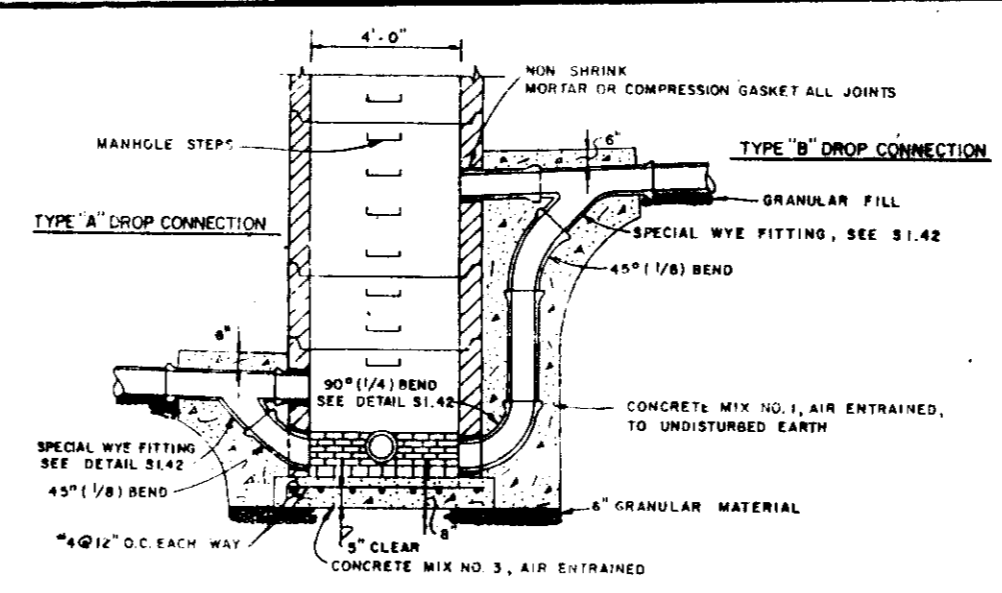
**SEWER PROFILE - NORTH MAIN**

SCALE: HORIZ: 1" = 50'  
VERT: 1" = 5'



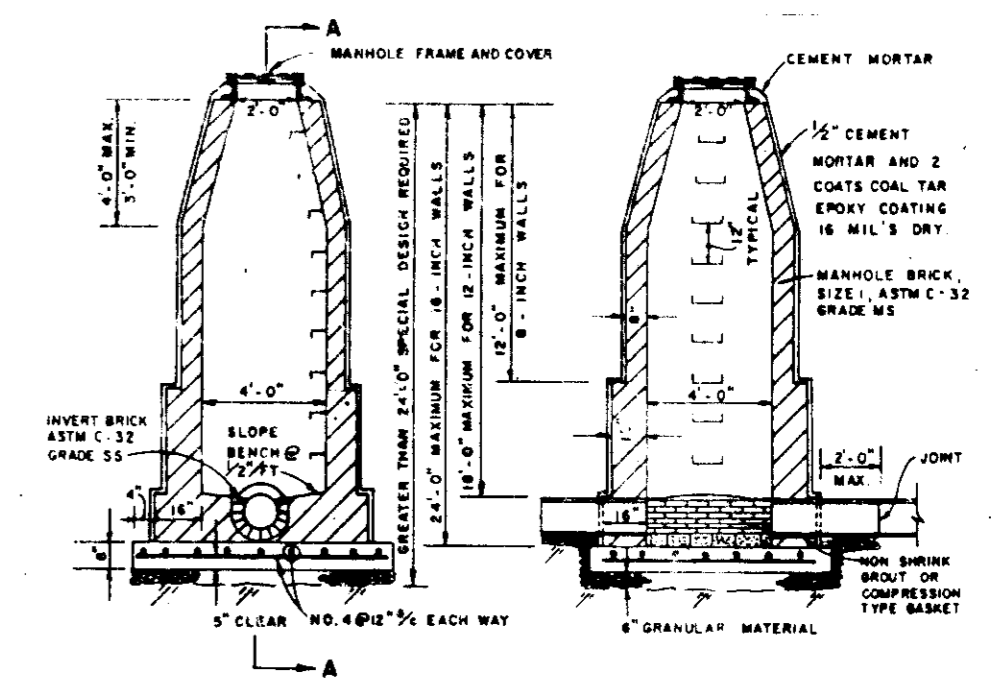
**WATER PROFILE - NORTH MAIN**

SCALE: HORIZ: 1" = 50'  
VERT: 1" = 5'



**DROP CONNECTION DETAIL**

HO. CO. STD. DET. 5-1-32 - N.T.S.



**ELEVATION**  
NO SCALE

**SECTION A-A**  
NO SCALE

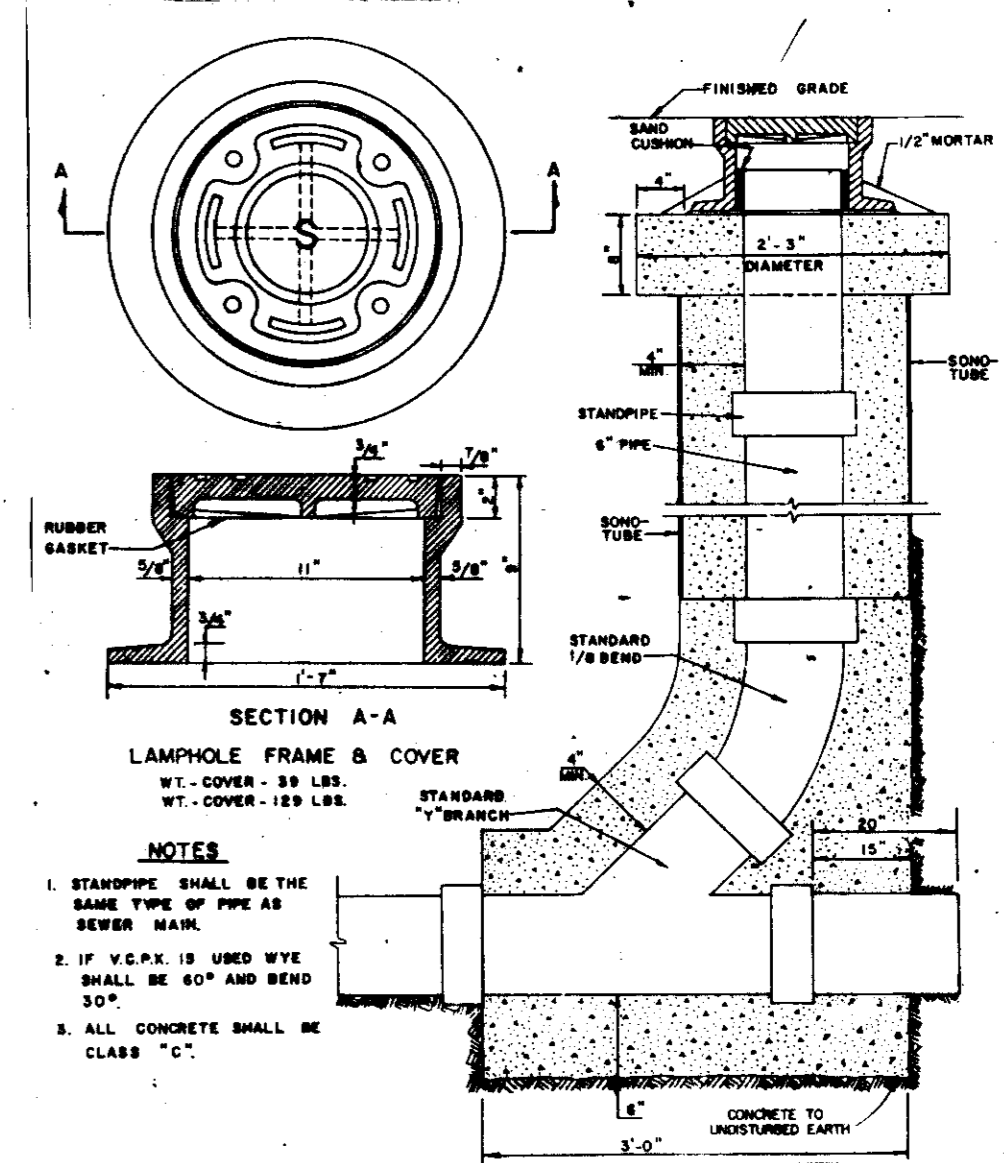
**GENERAL NOTES APPLICABLE TO ALL BRICK MANHOLES**

- MANHOLE BASE SHALL BE 8-INCH CAST IN PLACE CONCRETE SLAB, MIX NO. 3 AIR ENTRAINED ALL OTHER SLABS SHALL BE MIX NO. 3 AIR ENTRAINED.
- MANHOLE BASE SHALL BE RECORDED ON 8-INCH GRANULAR MATERIAL ON THE SUBGRADE.
- EXCAVATION BELOW PIPES SHALL BE BACKFILLED WITH GRANULAR MATERIAL 1/3 OF WAY TO TOP OF PIPE.
- CONNECTION BETWEEN MANHOLE WALL AND SEWER SHALL BE NON-SHIFTING JOINT OR NUMBER 40 WIRE WIRE JOINT.
- MANHOLE COVER SHALL BE AS SPECIFIED ON DETAIL S1-43.
- MANHOLE COVER SHALL BE AS SHOWN ON DETAIL S1-41.
- PIPE JOINTS SHALL BE PROVIDED WITHIN 2' MAX. FROM OUTSIDE OF MANHOLE WALL.
- MANHOLE CHANNELS SHALL BE FORMED TO PROVIDE A SMOOTH TRANSITION BETWEEN PIPES. EXTEND BENCH TO FULL HEIGHT OF PIPE OPENING, AND FORM USING GRADE 88 SEWER BRICK, ASTM C-33, SIZE NO. 4.
- MANHOLE WALL THICKNESS SHALL BE:
 

DEPTH BELOW MANHOLE COVER	WALL THICKNESS
TO 1'-0"	8"
1'-0" TO 1'-6"	12"
1'-6" TO 2'-0"	14"
GREATER THAN 2'-0"	SPECIAL DESIGN

**STANDARD SANITARY SEWER MANHOLE**

HO. CO. STD. DET. 65-01 - N.T.S.



**STANDARD SANITARY SEWER CLEANOUT**

HO. CO. STD. DET. 53-21 - N.T.S.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 7-3-85  
BY: [Signature]

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.  
PLANNING DIRECTOR: [Signature]  
DATE: 10-31-85  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: [Signature]  
DATE: [Blank]

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
U.S. SOIL CONSERVATION SERVICE  
DATE: [Blank]  
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT  
HOWARD SOIL CONSERVATION DISTRICT  
DATE: [Blank]

NO.	COMMENTS	BY	DATE
1	"AS-BUILT" INFORMATION	DGH	8/1/85

**DEVELOPER'S CERTIFICATE**  
I 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 NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.  
DEVELOPER: ANGELO AMABILE  
DATE: 17, 1985

**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.  
ENGINEER: ROSARIO DI MARCO, P.E.  
DATE: 11/1/85

**OWNER & DEVELOPER**

ANGELO AMABILE  
670 VENUS CONSTRUCTION CO.  
3240 CORPORATE COURT  
ELLCOTT CITY, MD 21043

TITLE: **PROFILES - PRIVATE WATER & SEWER MAINS**  
PROJECT: **PINE ORCHARD PARK - SECTION 2 - PARCEL 'F-1'**  
OFFICE: [Blank]

LOCATION: 2ND ELECTION DISTRICT, TAX MAP 24, HOWARD COUNTY, MD  
DATE: APR 1985  
SCALE: AS NOTED  
DESIGN BY: R.D.M.  
DRAWN BY: R.D.M.  
CHECKED BY: [Blank]  
DRAWING NO: 6 OF 6  
JOB NO: R 8504  
**RDM ENGINEERING, INC.**  
11416 OLD FREDERICK ROAD  
MARRIOTTSTOWN, MARYLAND 2104  
TEL (301) 442-1250