

SECTION 'C' - 'C'

NOT TO SCALE

INLET SCHEDULE

NO.	TYPE	INLET GRADE	INV. IN	INV. OUT	REMARKS
I-1	DPL 15" COMB	385.85	379.50	375.25	SEE HO. CO. STD. D-20
I-2	15" GRATE	384.75	380.43	380.23	SEE HO. CO. STD. D-28
I-3	15" GRATE	384.75	381.25	381.83	SEE HO. CO. STD. D-28
I-4	SINGLE 5" COMB	380.20	385.03	384.83	SEE DETAIL THIS SHEET
I-5	SINGLE 5" COMB	380.00	385.23	385.23	SEE DETAIL THIS SHEET
I-6	DPL 6" COMB	385.50	375.70	375.70	SEE HO. CO. STD. D-20
I-7	SINGLE 5" COMB	385.50	375.70	375.70	SEE DETAIL THIS SHEET

MANHOLE SCHEDULE

NO.	TYPE	TOP ELEV.	INV. IN	INV. OUT	REMARKS
M-1	SHALLOW MH	379.50	375.45	375.25	SEE DETAIL THIS SHEET
M-2	SHALLOW MH	380.00	384.82	384.22	SEE DETAIL THIS SHEET
M-3	SHALLOW MH	370.00	366.05	366.75	SEE DETAIL THIS SHEET
S-1	STD. LINE MH	387.25	375.70	375.60	SEE HO. CO. STD. S-2
S-2	TERMINAL MH	388.20	380.20	380.20	SEE HO. CO. STD. S-4

STRUCTURE SCHEDULE

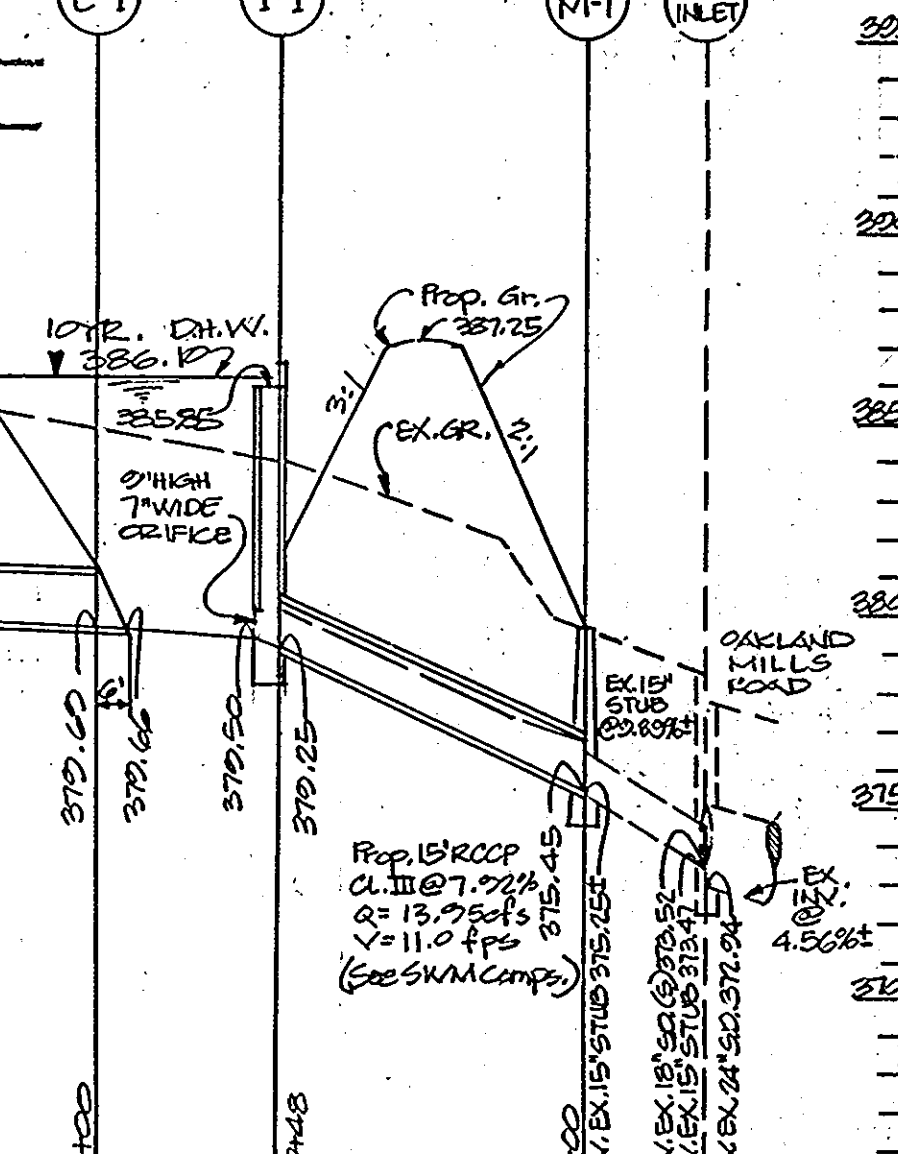
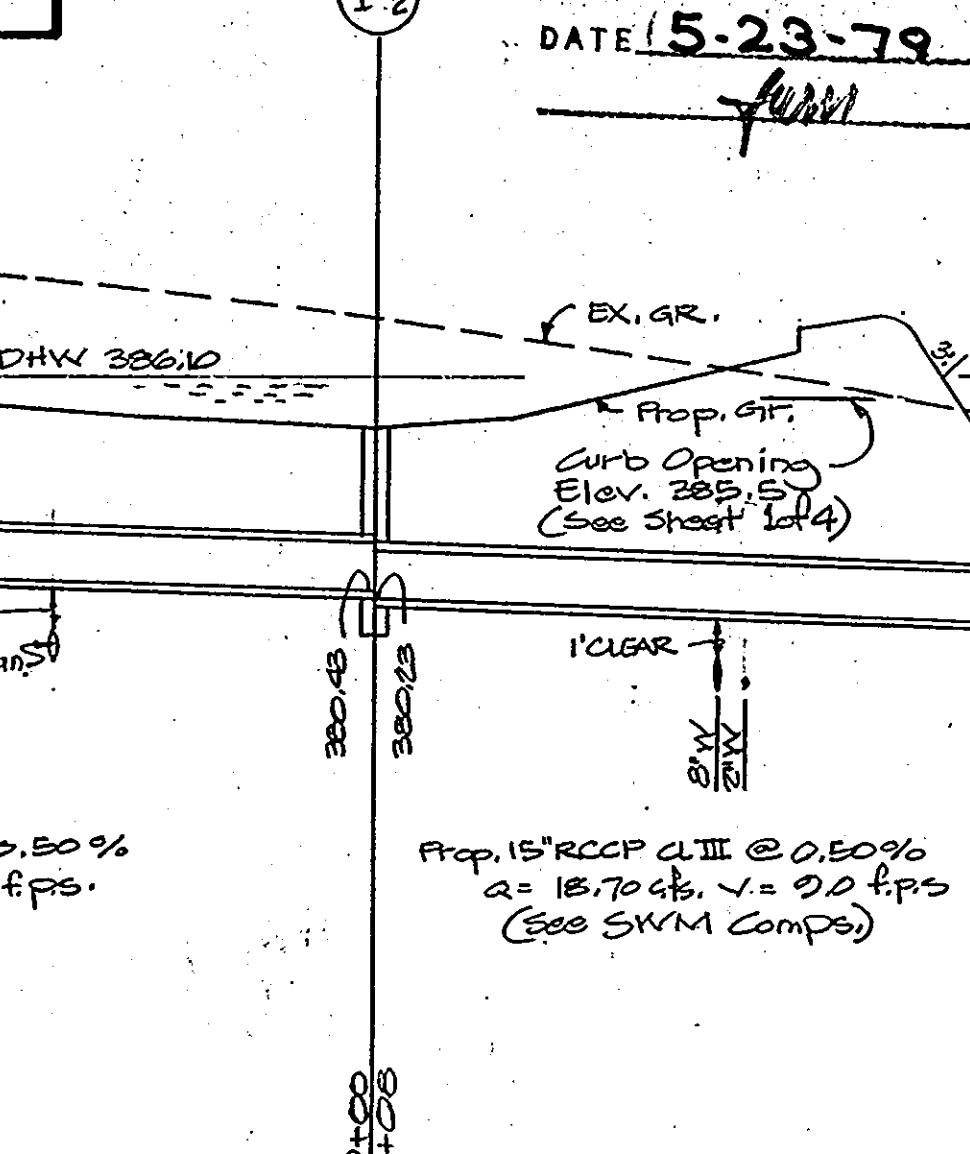
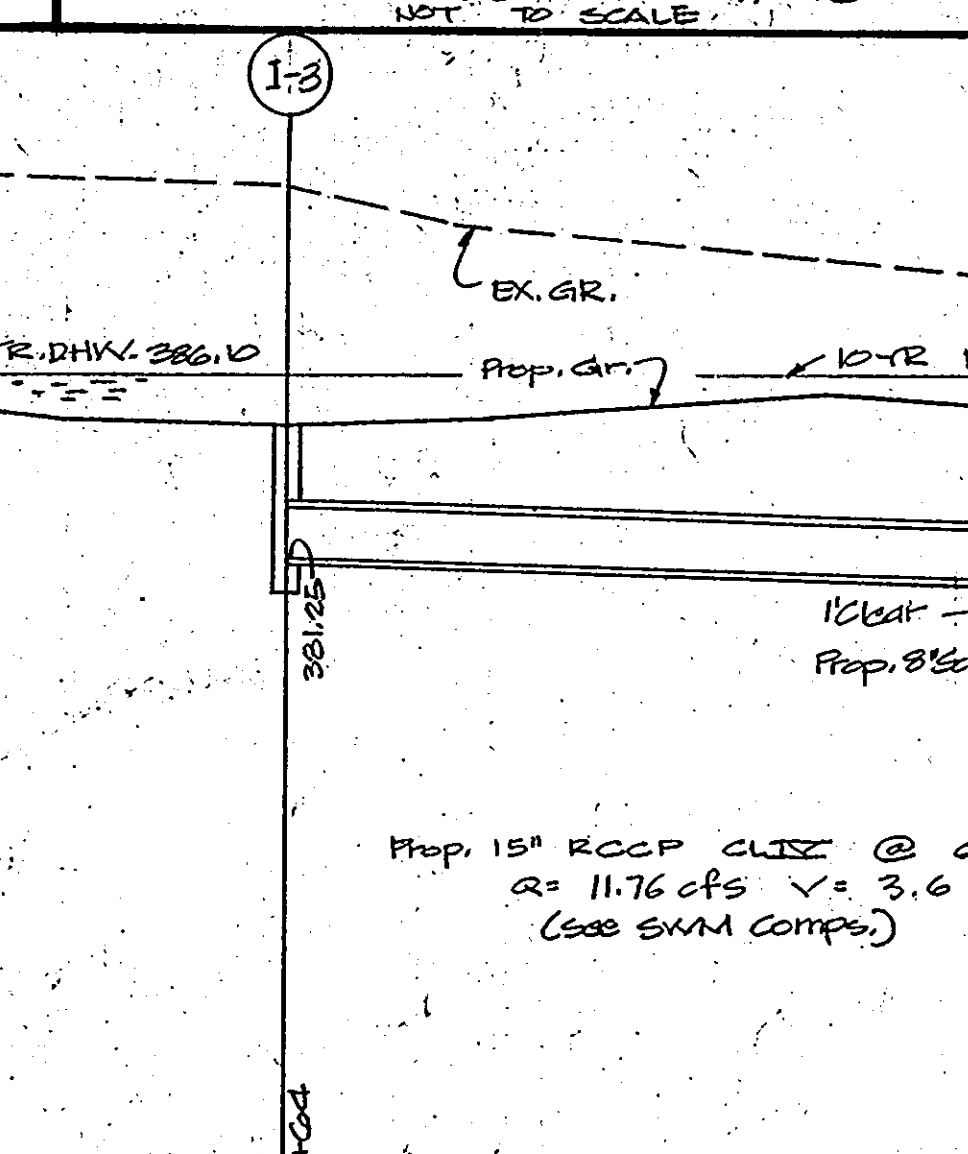
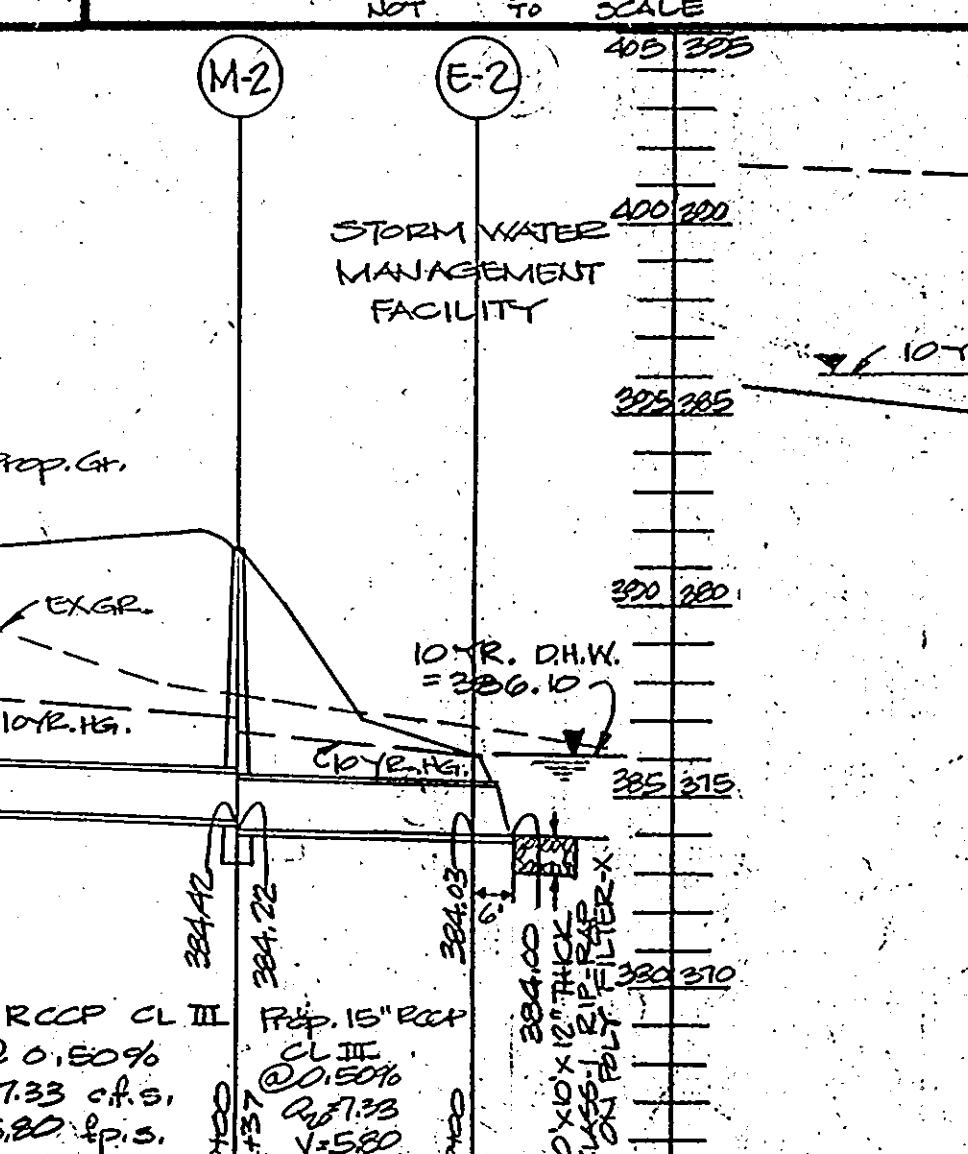
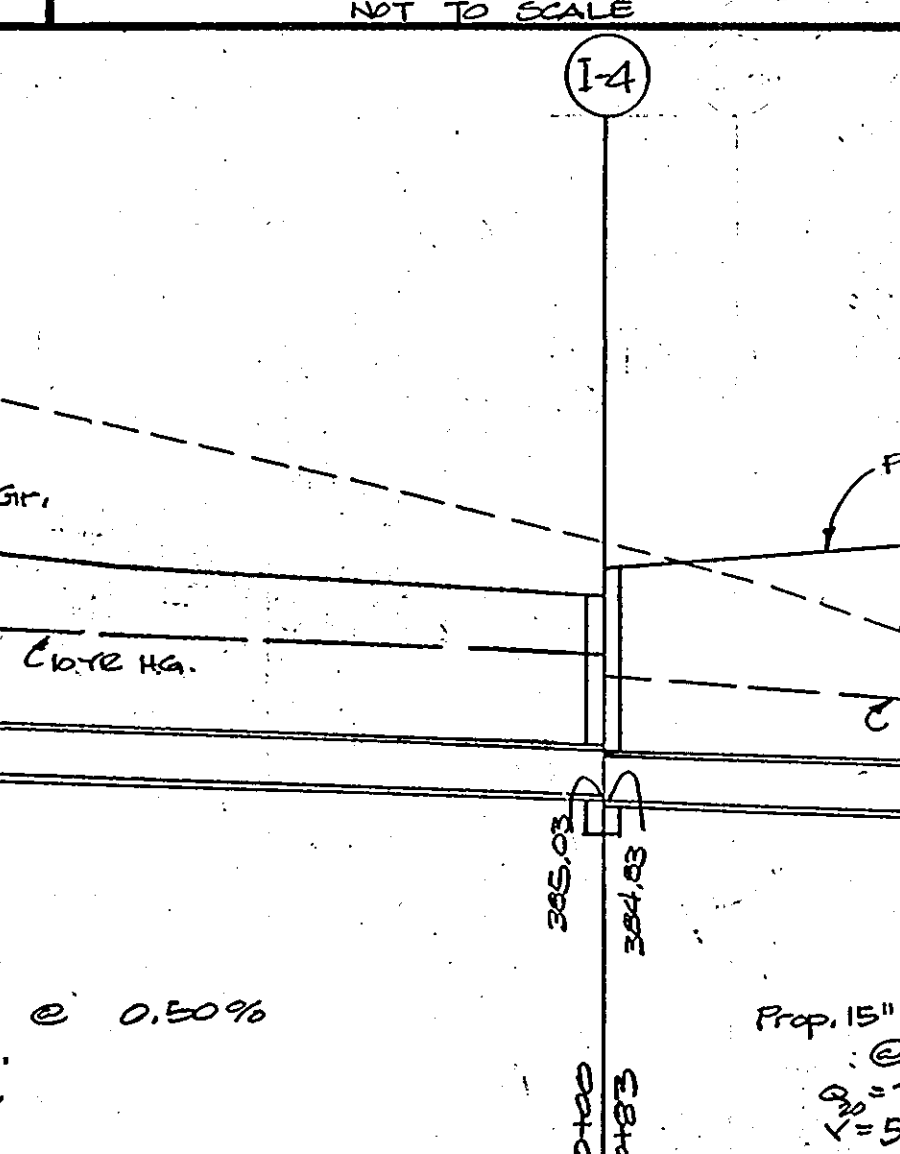
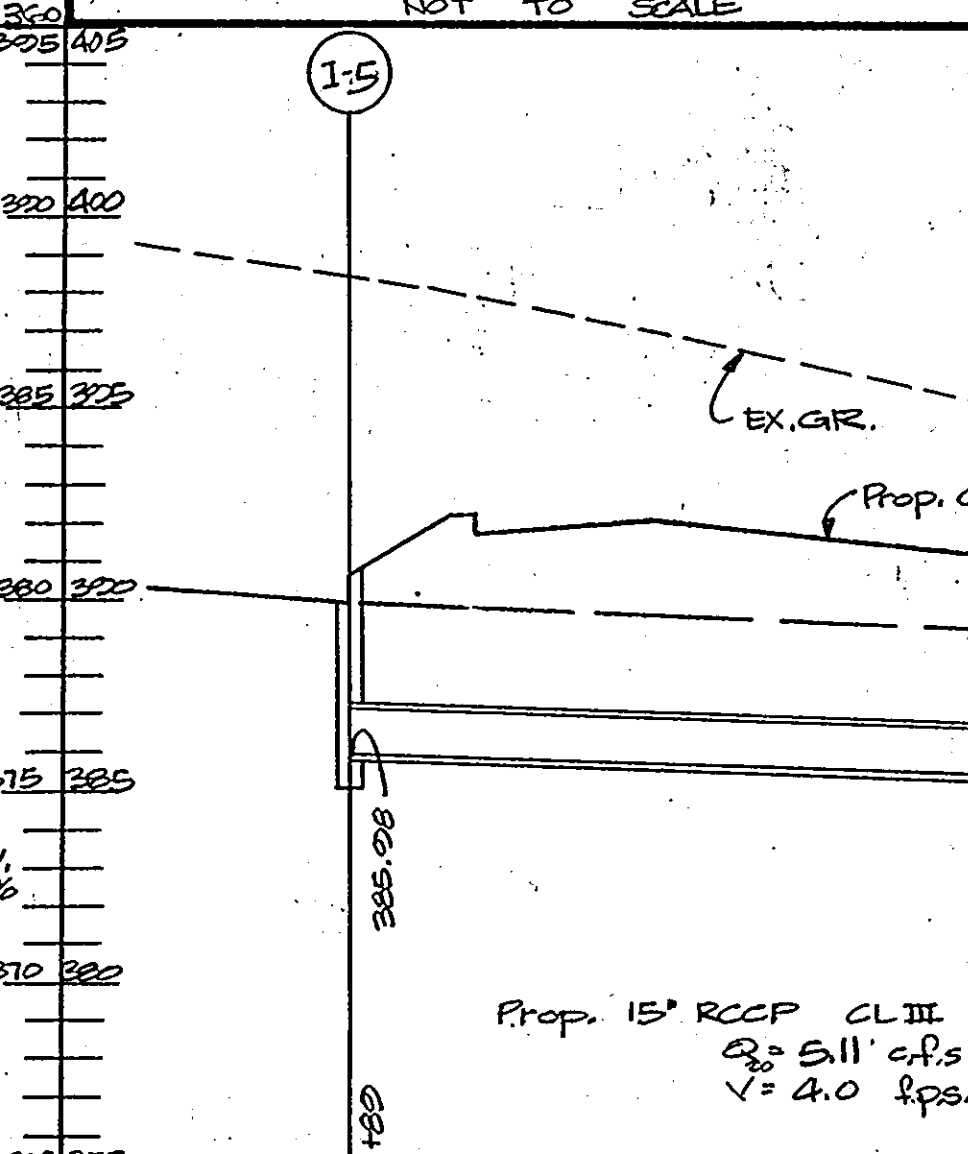
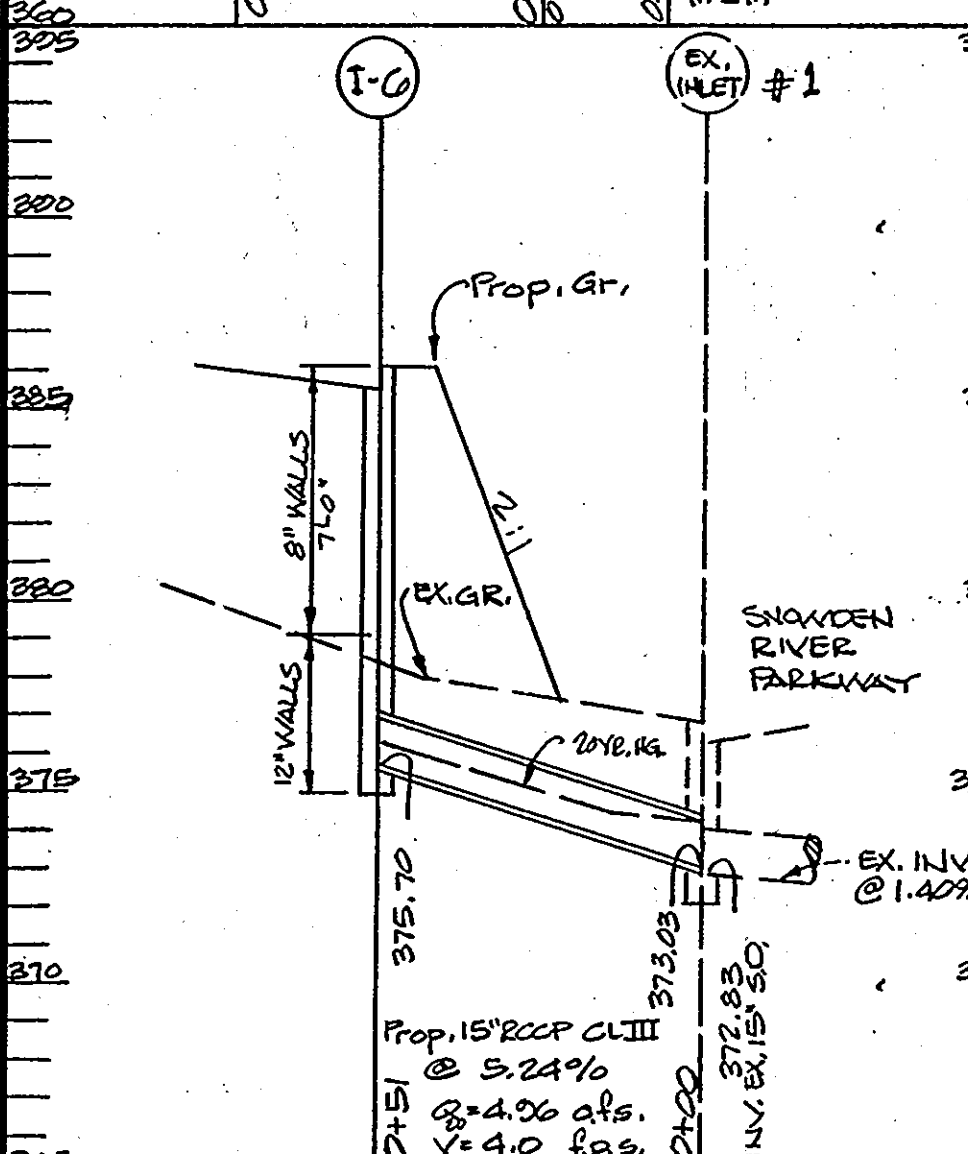
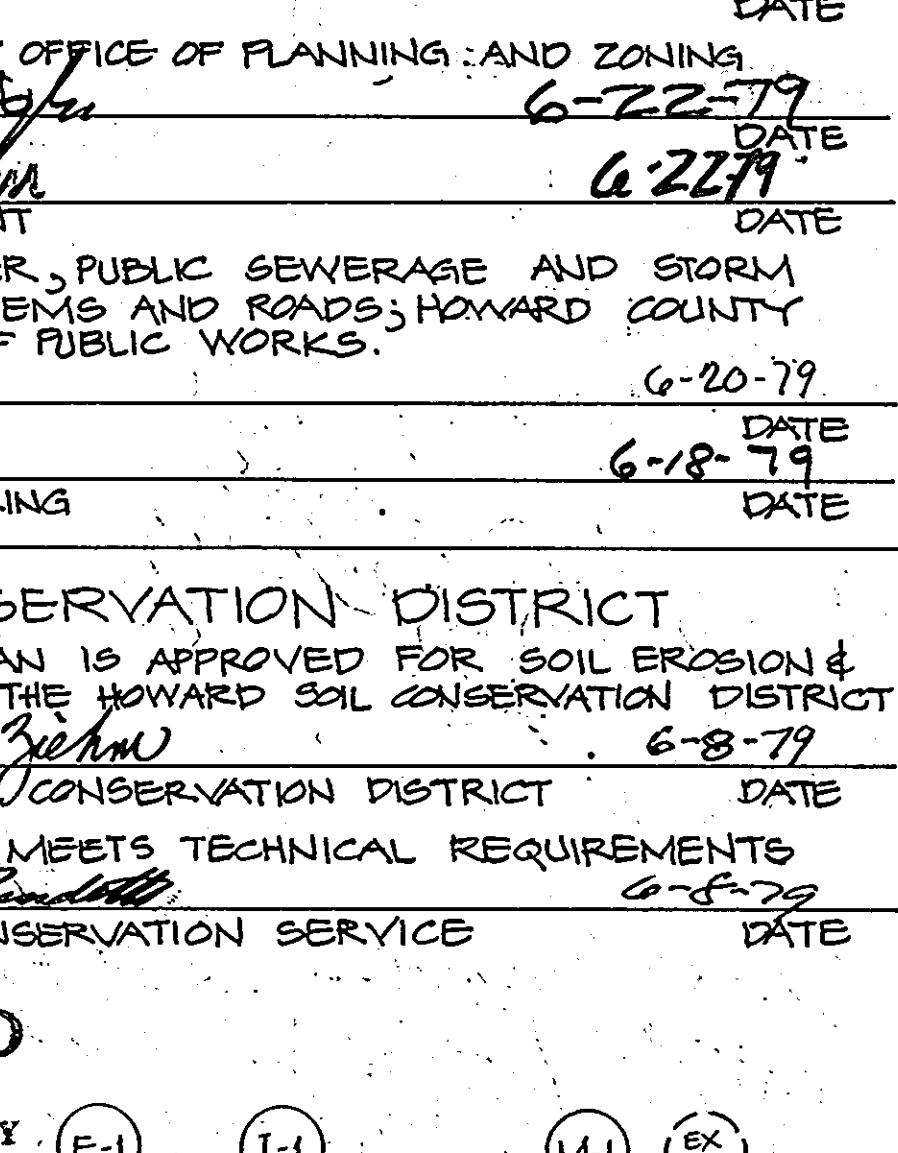
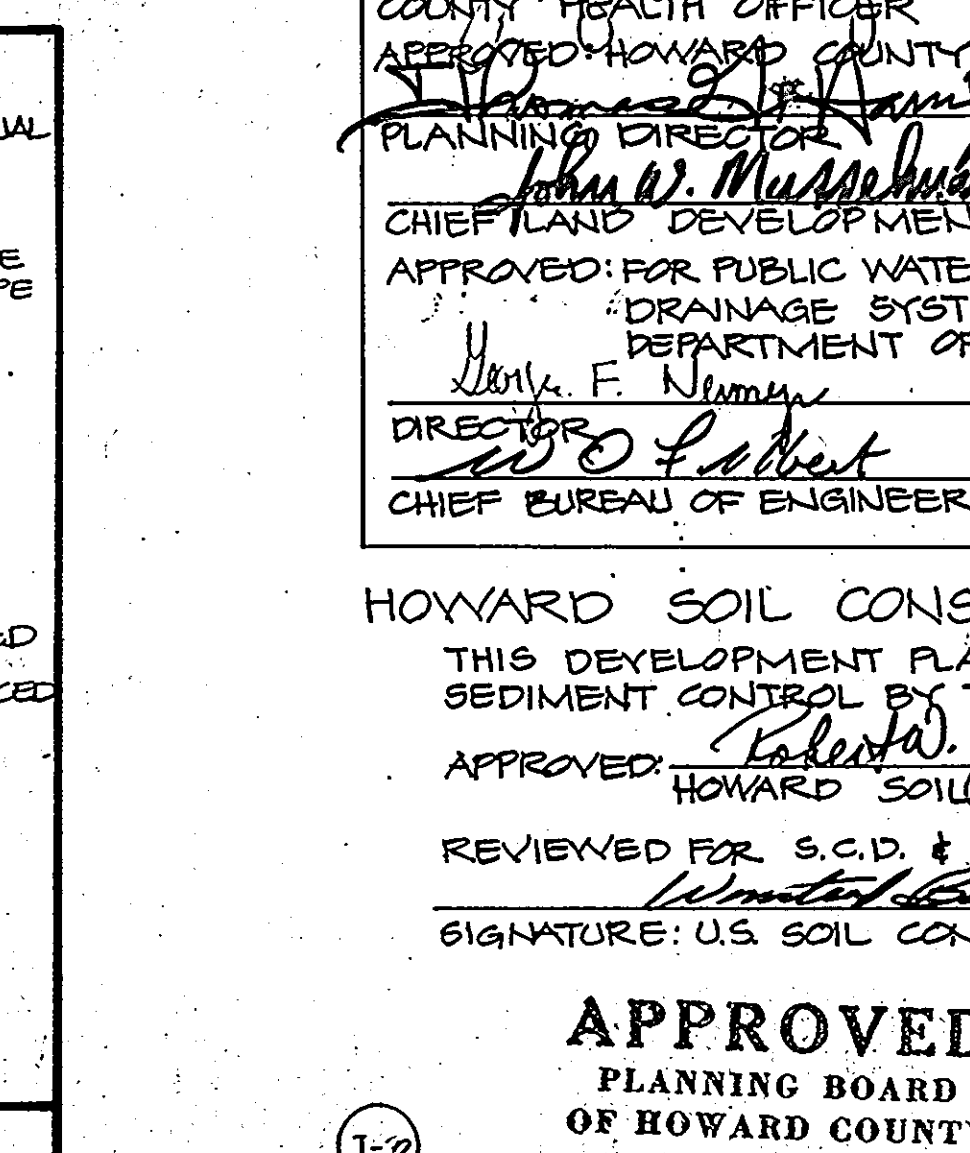
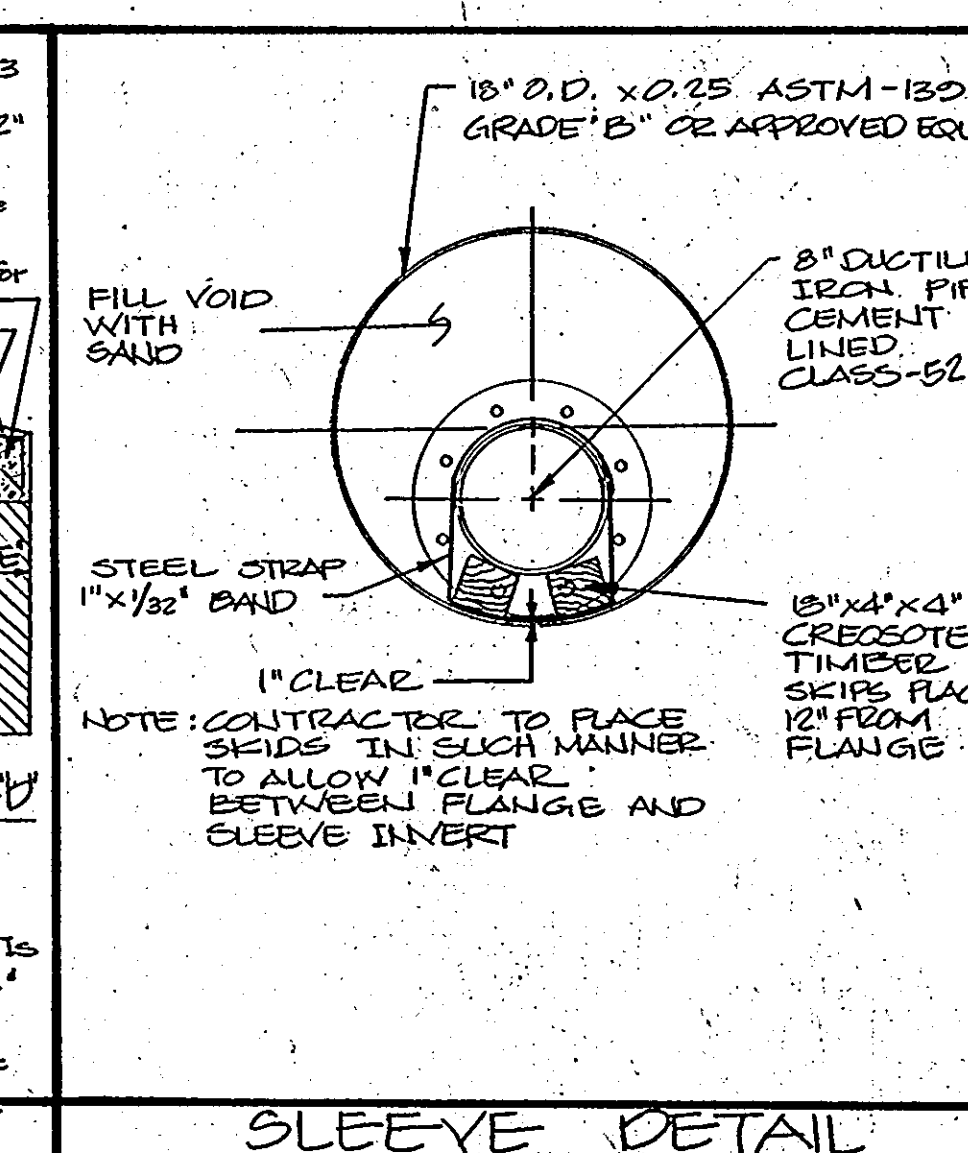
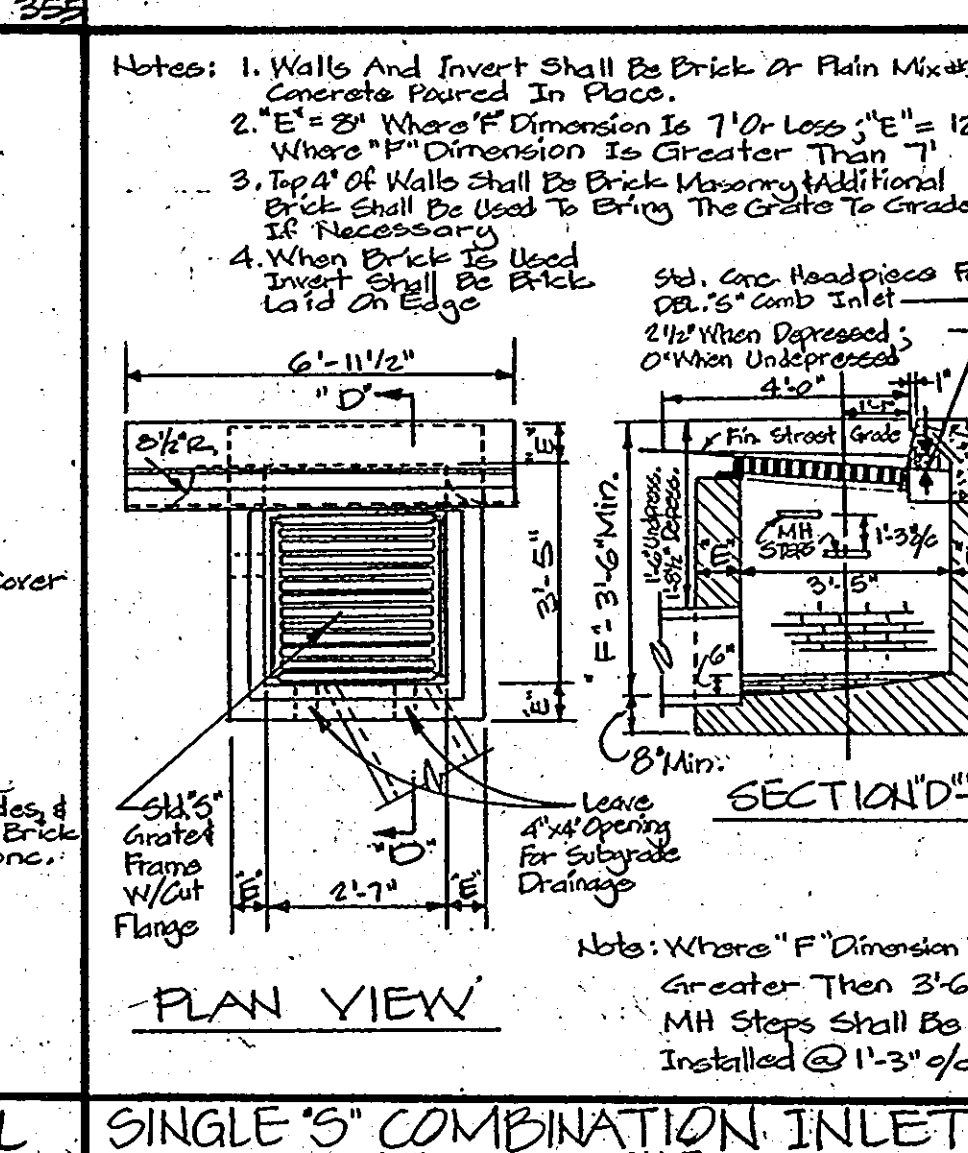
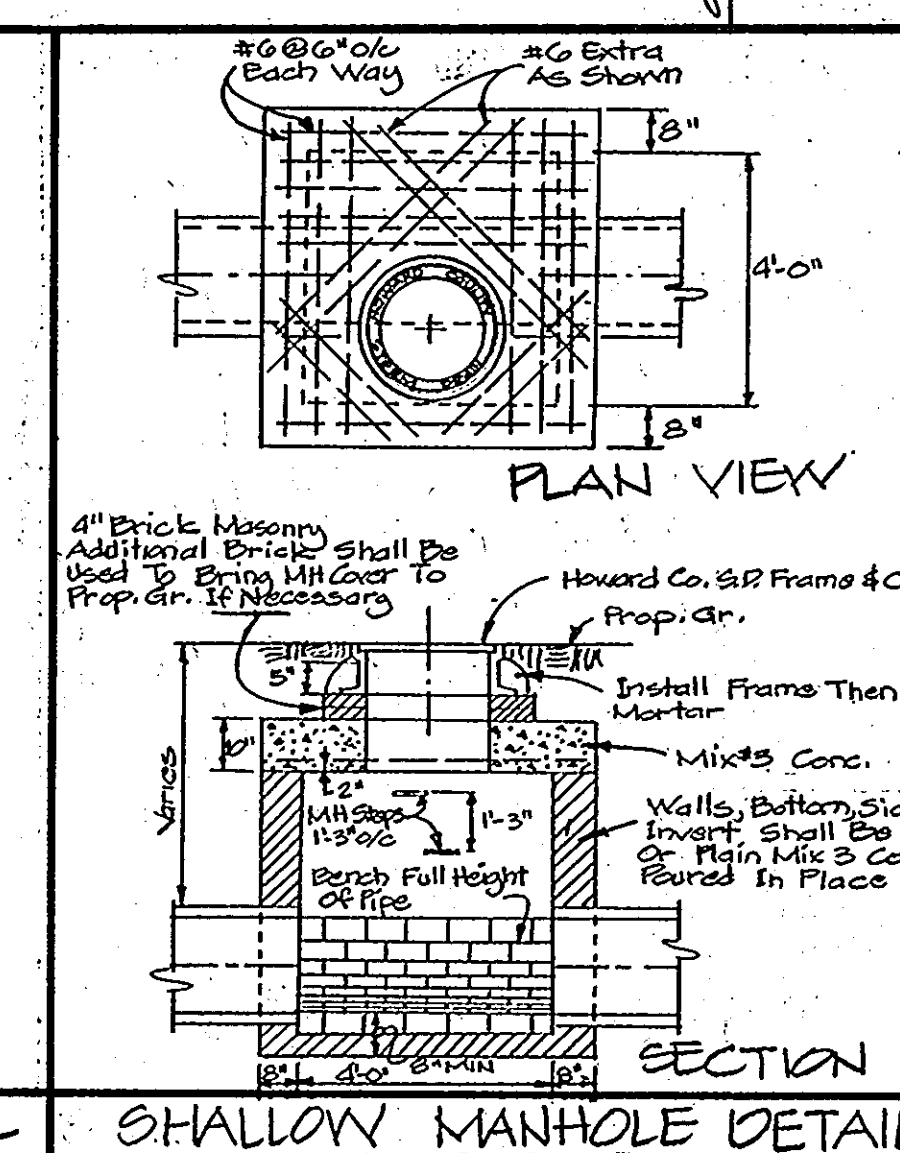
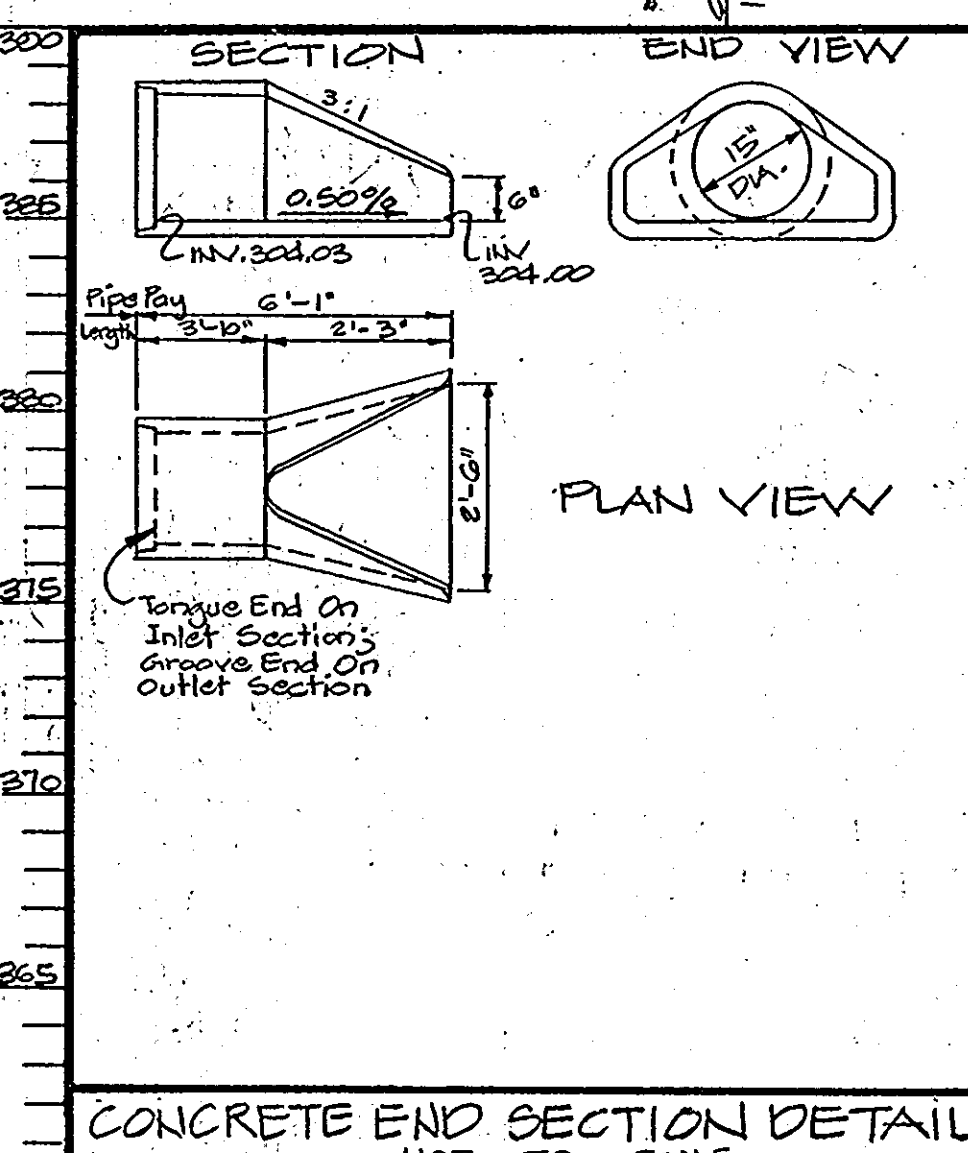
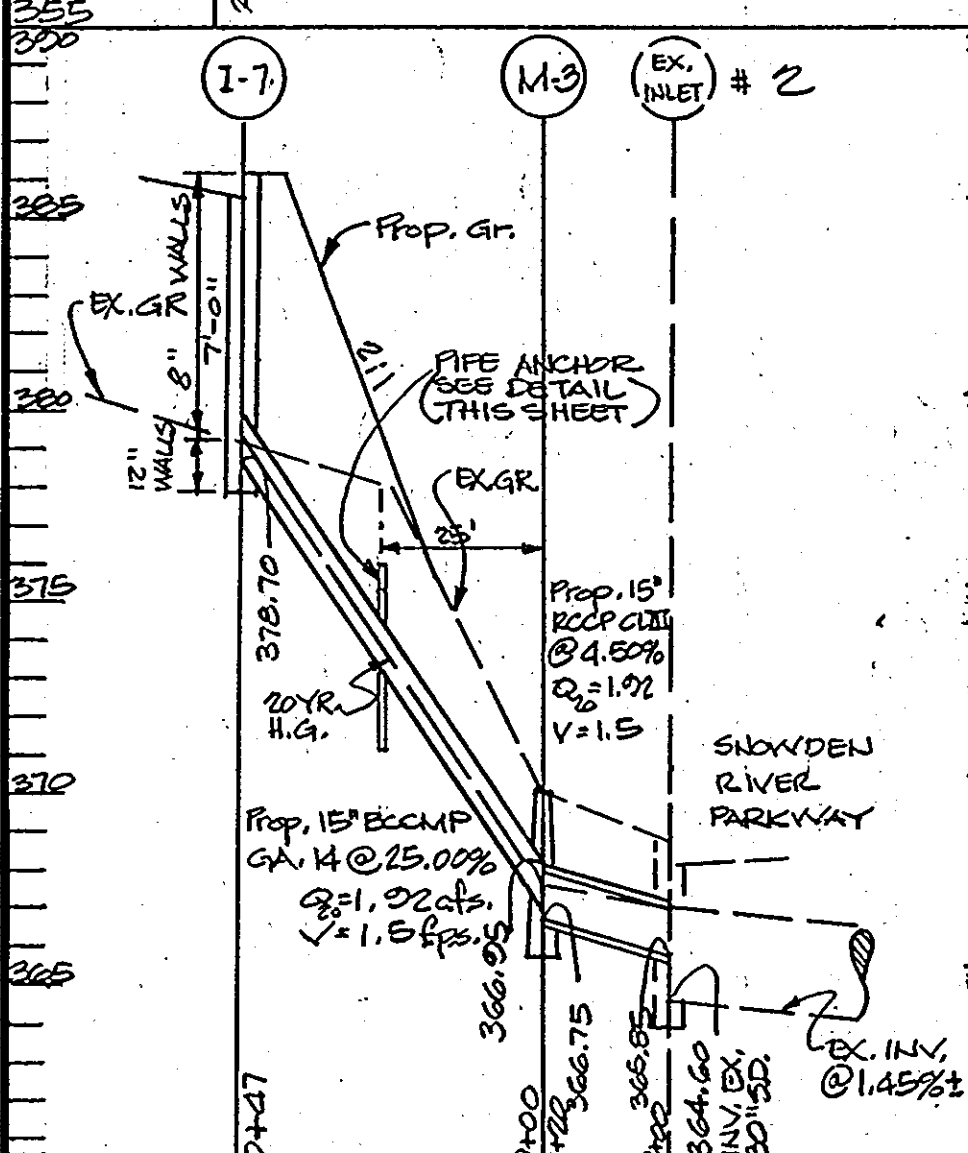
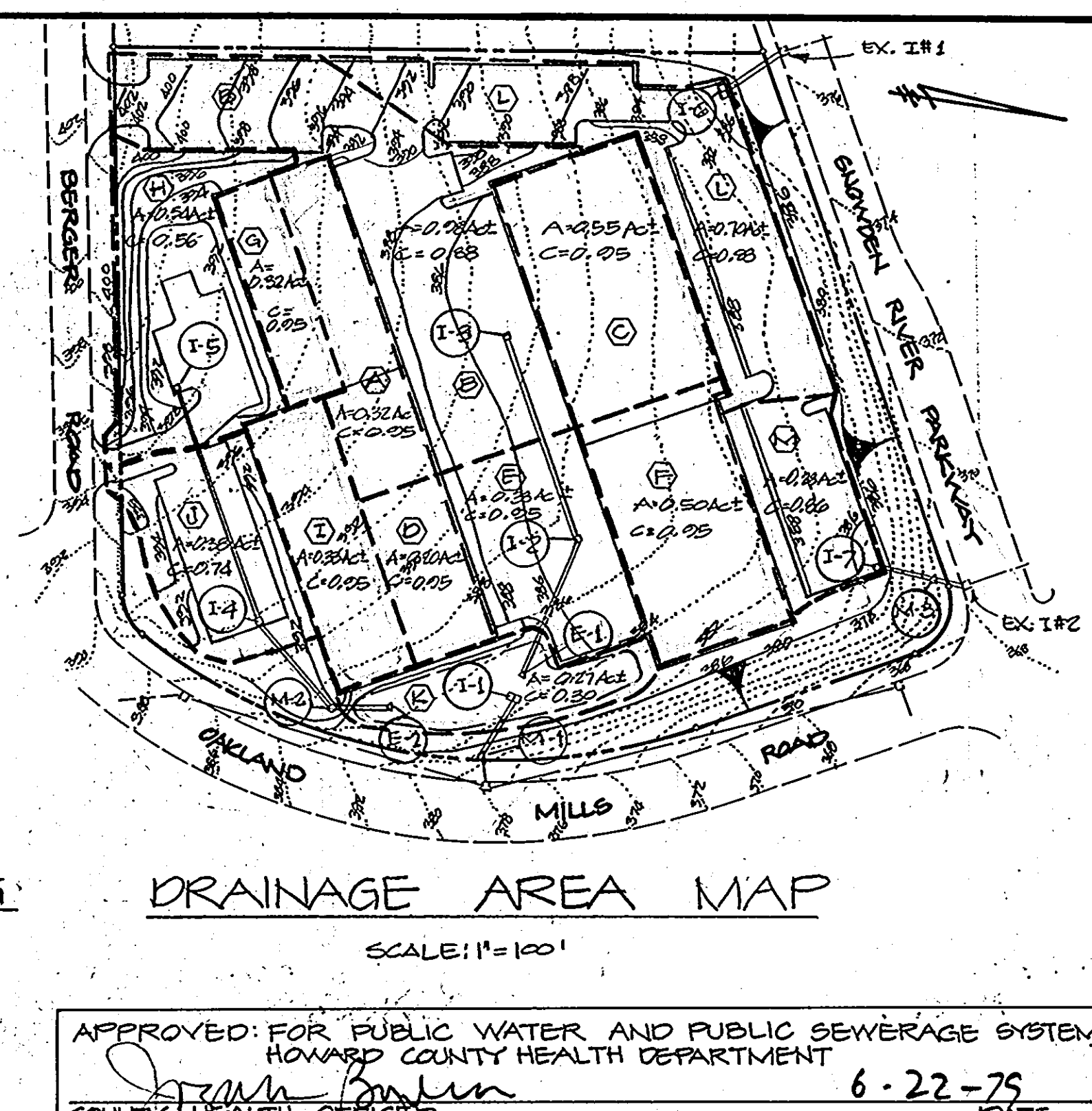
NO.	TYPE	INV. IN	INV. OUT	REMARKS
E-1	CONC. END SECT.	379.00	379.66	SEE DETAIL THIS SHEET
E-2	CONC. END SECT.	384.03	384.00	SEE DETAIL THIS SHEET

ANCHOR DETAIL

NOT TO SCALE

APPROXIMATE GRADING QUANTITIES

FILL 17,070
10% Shrinkage 1,705
TOTAL FILL 19,745
TOTAL CUT 19,750



STORM DRAIN PROFILES

SCALE: HORZ. 1"=20' VERT. 1"=5'

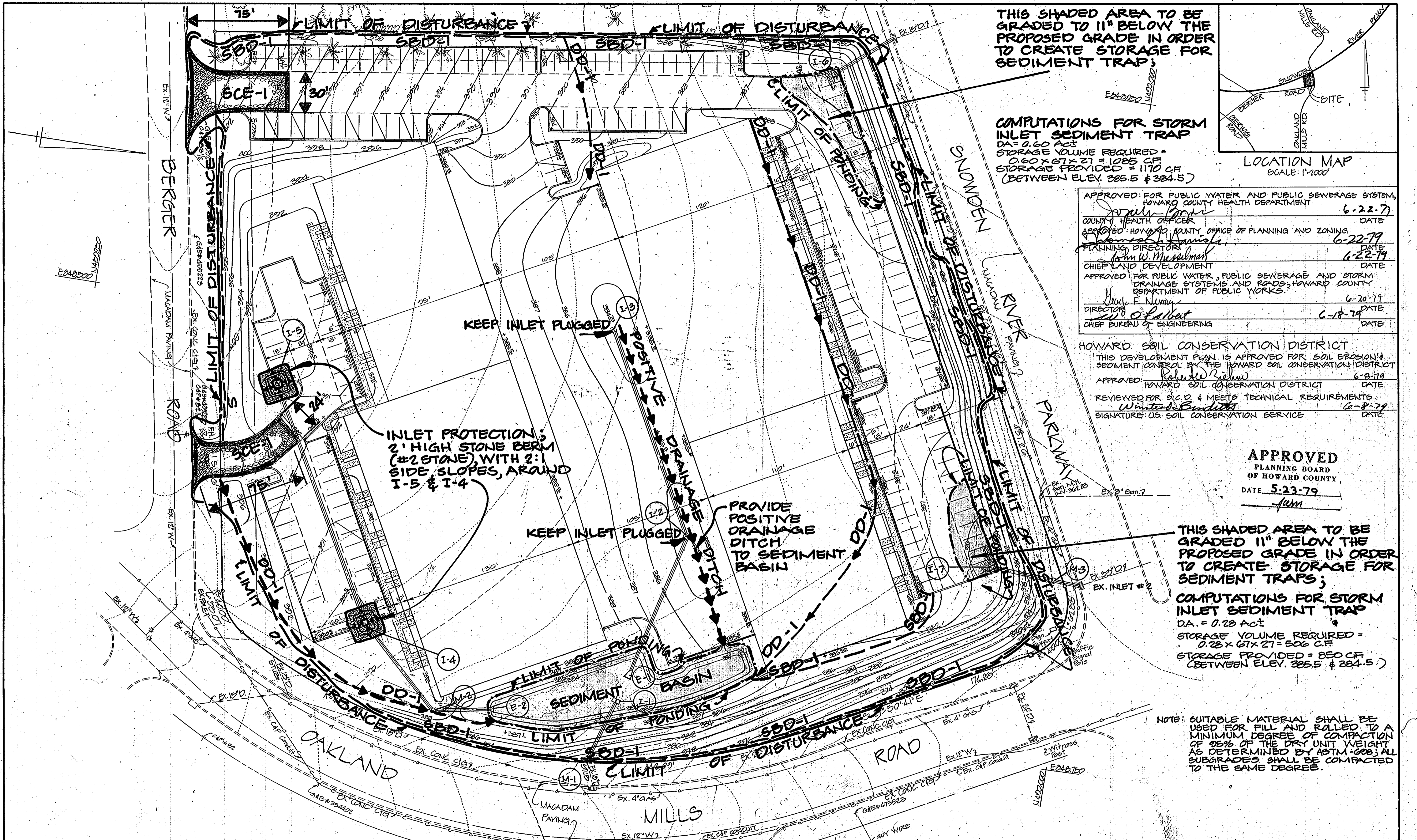
McCORMICK PROPERTIES, INC.

GEORGE WILLIAM STEPHENS, JR. & ASSOCIATES INC. ENGINEERS
303 ALLEGHENY AVENUE
TOWSON, MARYLAND, 21204

OWNER / DEVELOPER
Maryland Properties Inc.
HUNT VALLEY, MARYLAND 21041
DESIGN/BUILDERS

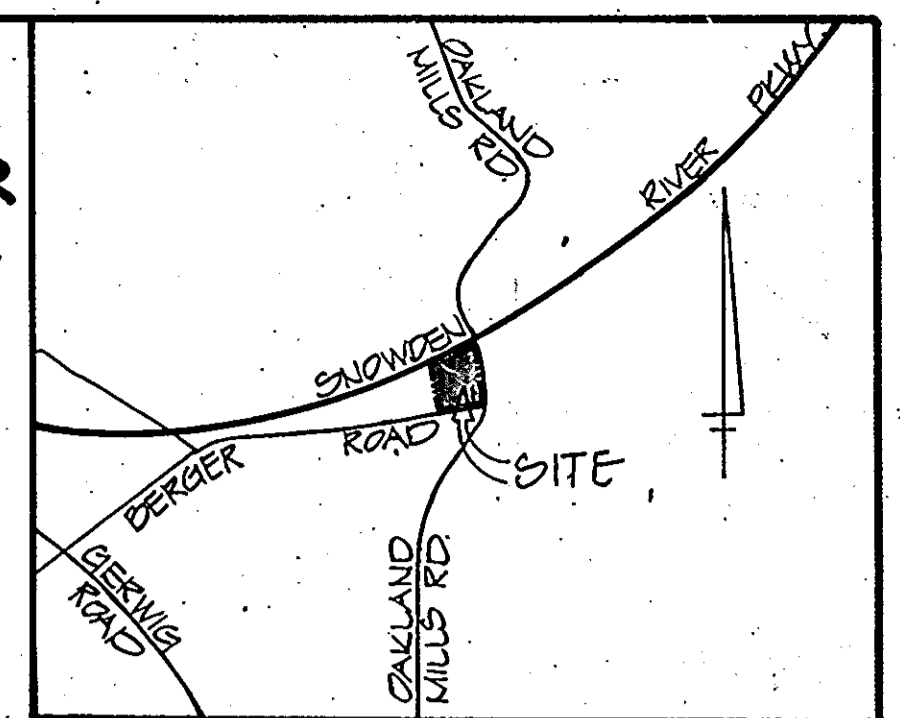
PROFILES & DETAILS
OWEN BROWN BUSINESS CENTER
GUILFORD INDUSTRIAL PARK
VILLAGE OF OWEN BROWN, 2/3 PARCEL A
COLUMBIA
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT #G
SCALE: AS SHOWN
DATE: MARCH 20, 1979

REVISION: S-1-79 (SEE SHT. 1074 FOR REVISIONS)
SHEET 2 OF 4
PN 4085
SDP # 70-116-C



THIS SHADED AREA TO BE GRADED TO 11" BELOW THE PROPOSED GRADE IN ORDER TO CREATE STORAGE FOR SEDIMENT TRAP;

COMPUTATIONS FOR STORM INLET SEDIMENT TRAP
 DA = 0.60 AC±
 STORAGE VOLUME REQUIRED = 0.60 x 67 x 27 = 1085 CF
 STORAGE PROVIDED = 1170 CF
 (BETWEEN ELEV. 385.5 & 384.5)



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-22-79
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: *[Signature]* DATE: 6-22-79
 CHIEF LAND DEVELOPMENT: *[Signature]* DATE: 6-22-79
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 DIRECTOR: *[Signature]* DATE: 6-20-79
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 6-18-79

HOWARD SOIL CONSERVATION DISTRICT
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 APPROVED: *[Signature]* DATE: 6-8-79
 REVIEWED FOR S.C.D. & MEETS TECHNICAL REQUIREMENTS: *[Signature]* DATE: 6-8-79
 SIGNATURE: US. SOIL CONSERVATION SERVICE

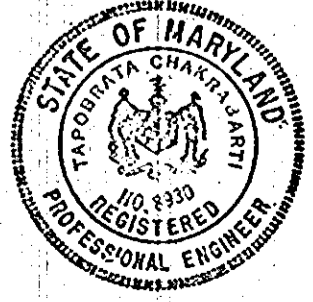
APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 5-23-79
[Signature]

THIS SHADED AREA TO BE GRADED 11" BELOW THE PROPOSED GRADE IN ORDER TO CREATE STORAGE FOR SEDIMENT TRAPS;

COMPUTATIONS FOR STORM INLET SEDIMENT TRAP
 DA = 0.28 AC±
 STORAGE VOLUME REQUIRED = 0.28 x 67 x 27 = 506 C.F.
 STORAGE PROVIDED = 850 C.F.
 (BETWEEN ELEV. 385.5 & 384.5)

NOTE: SUITABLE MATERIAL SHALL BE USED FOR FILL AND ROLLED TO A MINIMUM DEGREE OF COMPACTION OF 95% OF THE DRY UNIT WEIGHT AS DETERMINED BY ASTM-G93; ALL SUBGRADES SHALL BE COMPACTED TO THE SAME DEGREE.

GEORGE WILLIAM STEPHENS, JR.
 & ASSOCIATES INC.
 ENGINEERS
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND, 21204



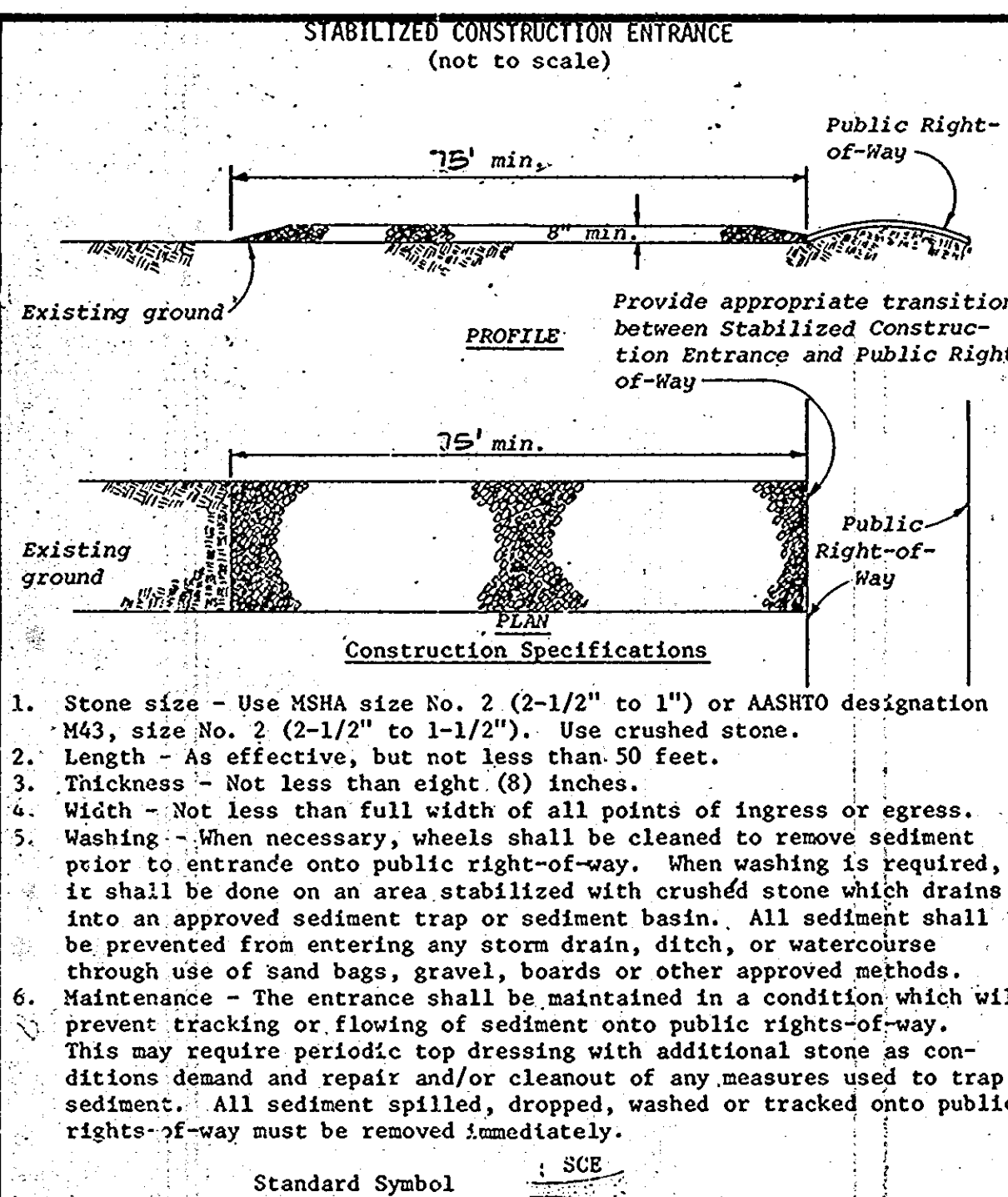
ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN, BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS, AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Yashvanta Chavandi 8930 9/20/79
 YASHVANTA CHAVANDI REG. NO. DATE

McCORMICK PROPERTIES, INC.
 OWNER / DEVELOPER
 Formerly Known As Maryland Properties Inc.
 HUNT VALLEY, MARYLAND 21031
 DESIGN/BUILDERS

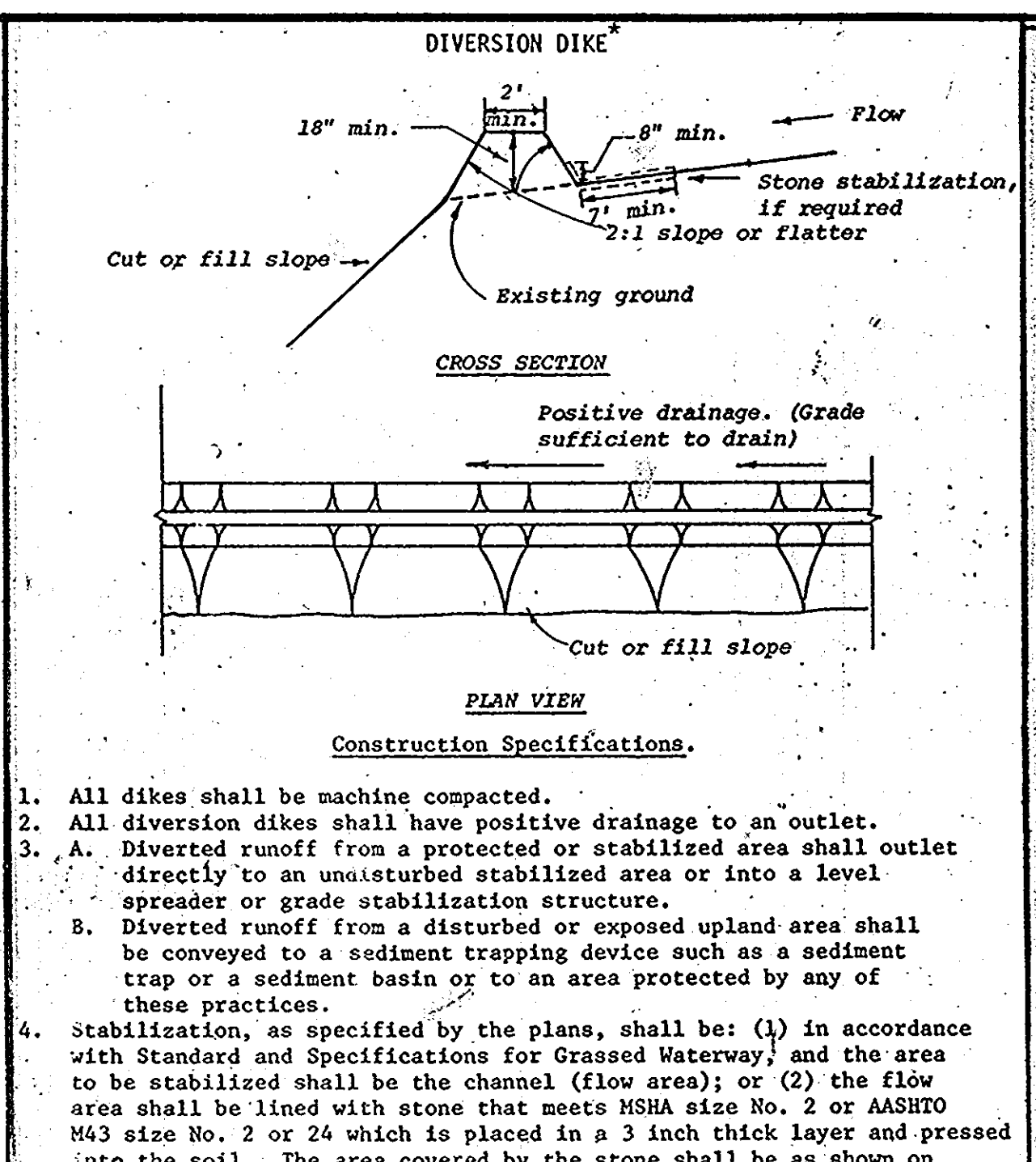


DEVELOPER'S CERTIFICATE
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION & SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.
 6/4/79
 DATE

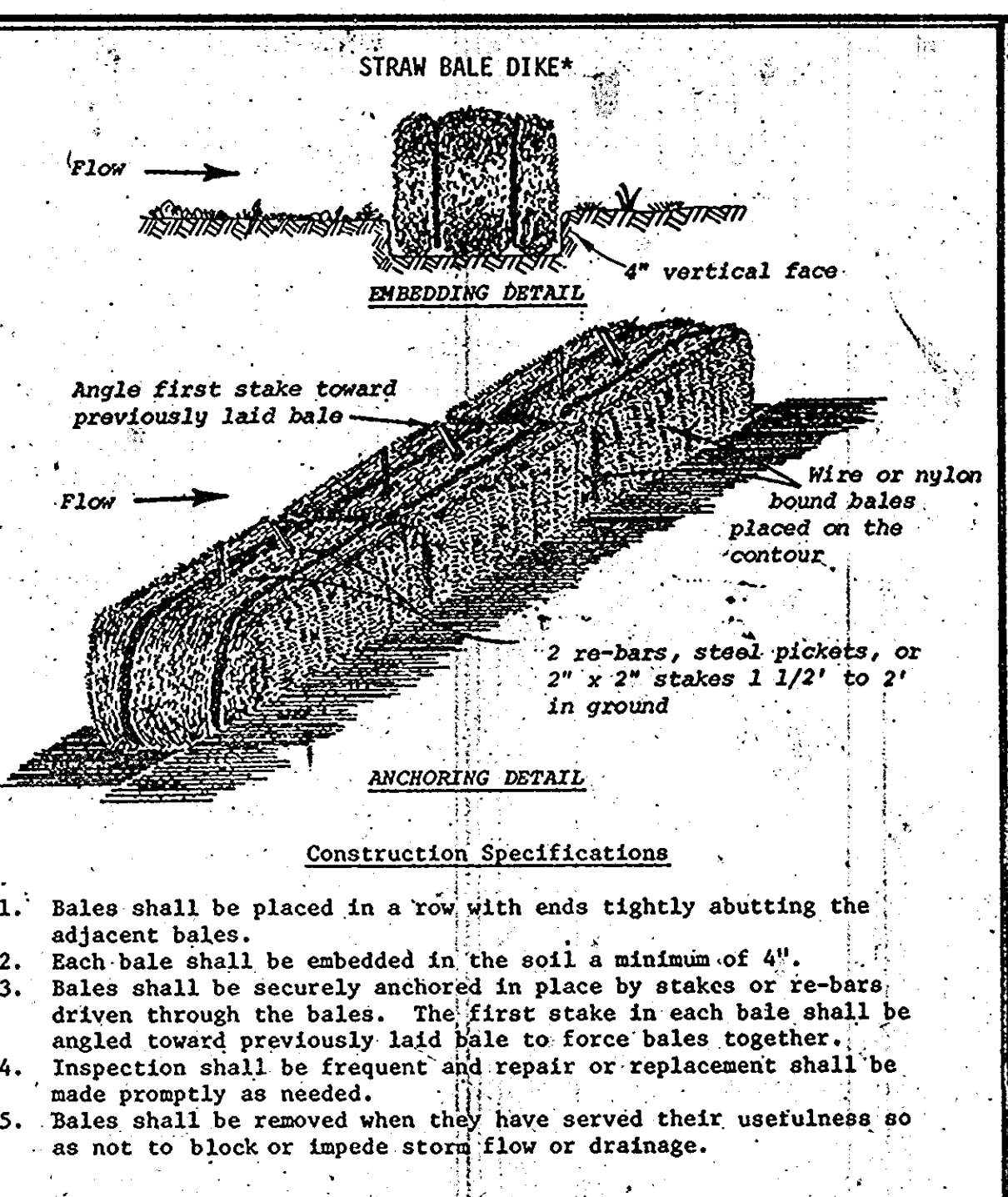
EROSION & SEDIMENT CONTROL PLAN
 OWEN BROWN BUSINESS CENTER
 GUILFORD INDUSTRIAL PARK
 VILLAGE OF OWEN BROWN, 2/3, PARCEL A
 COLUMBIA
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30'
 SHEET 3 OF 4
 ELECTION DISTRICT #6
 DATE: MARCH 20, 1979
 PN 4085 SDF#70-116-C



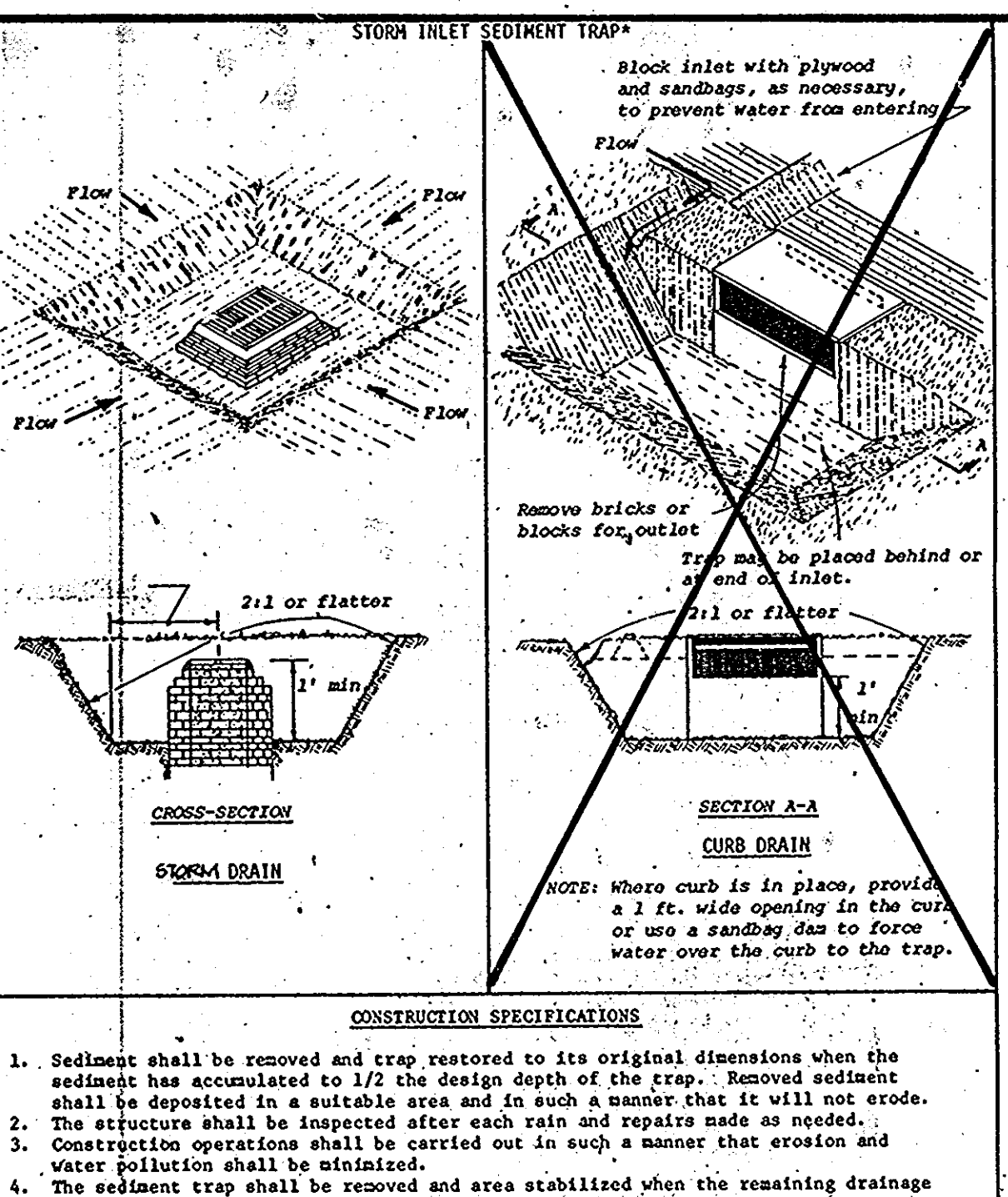
U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STABILIZED CONSTRUCTION ENTRANCE	Standard Drawing SCE-1
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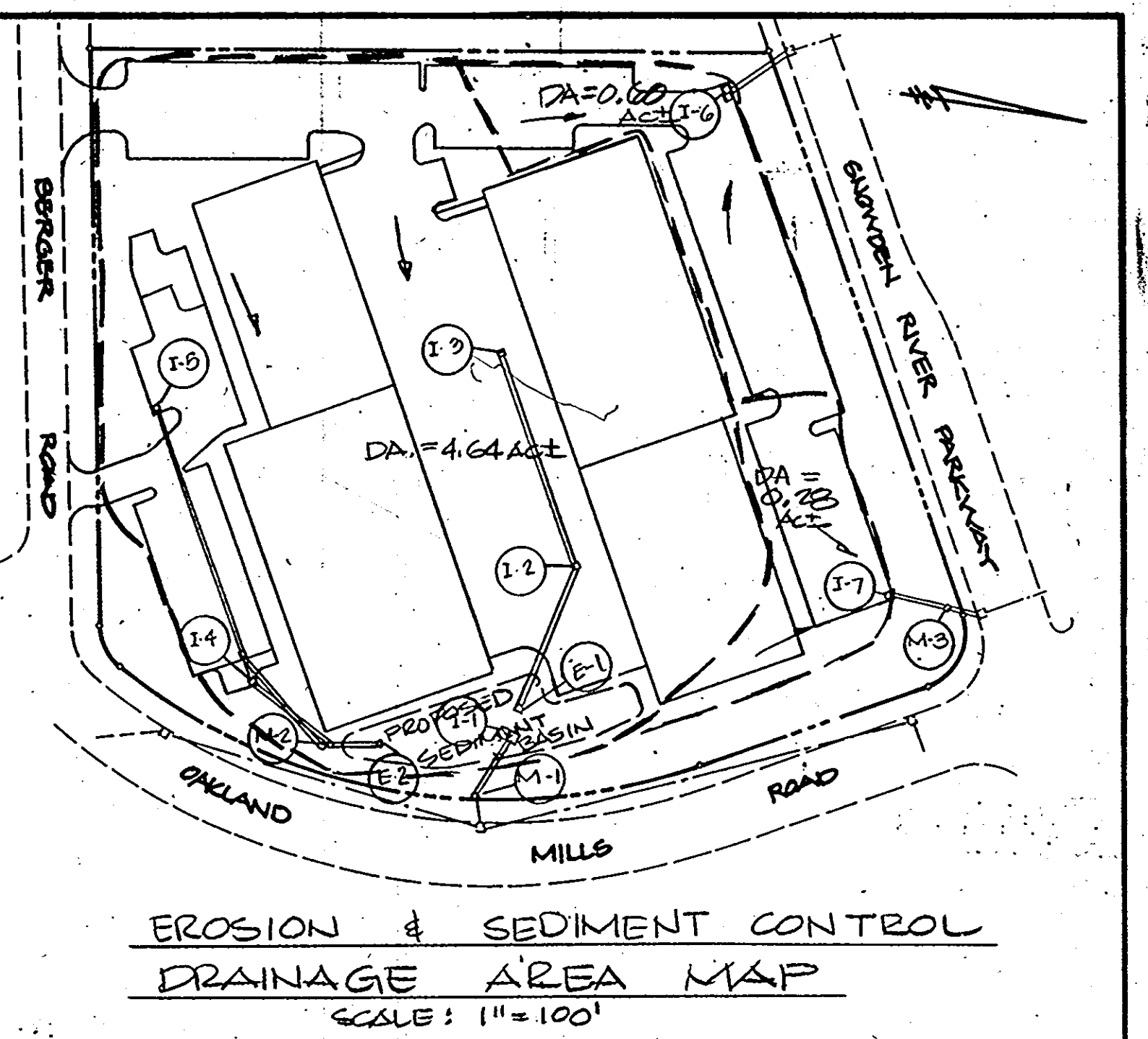
U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	DIVERSION DIKE	Standard Drawing DD-1
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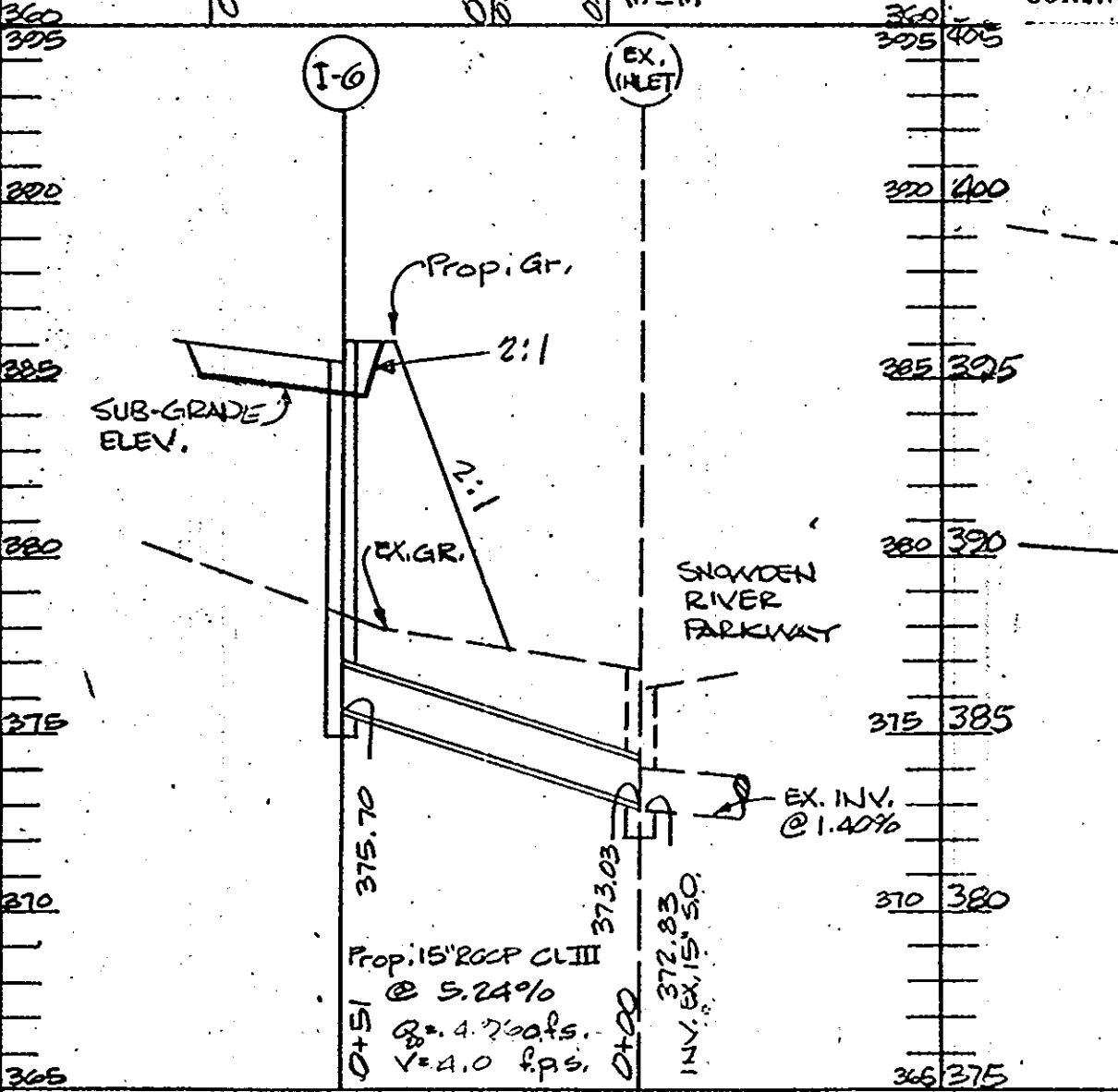
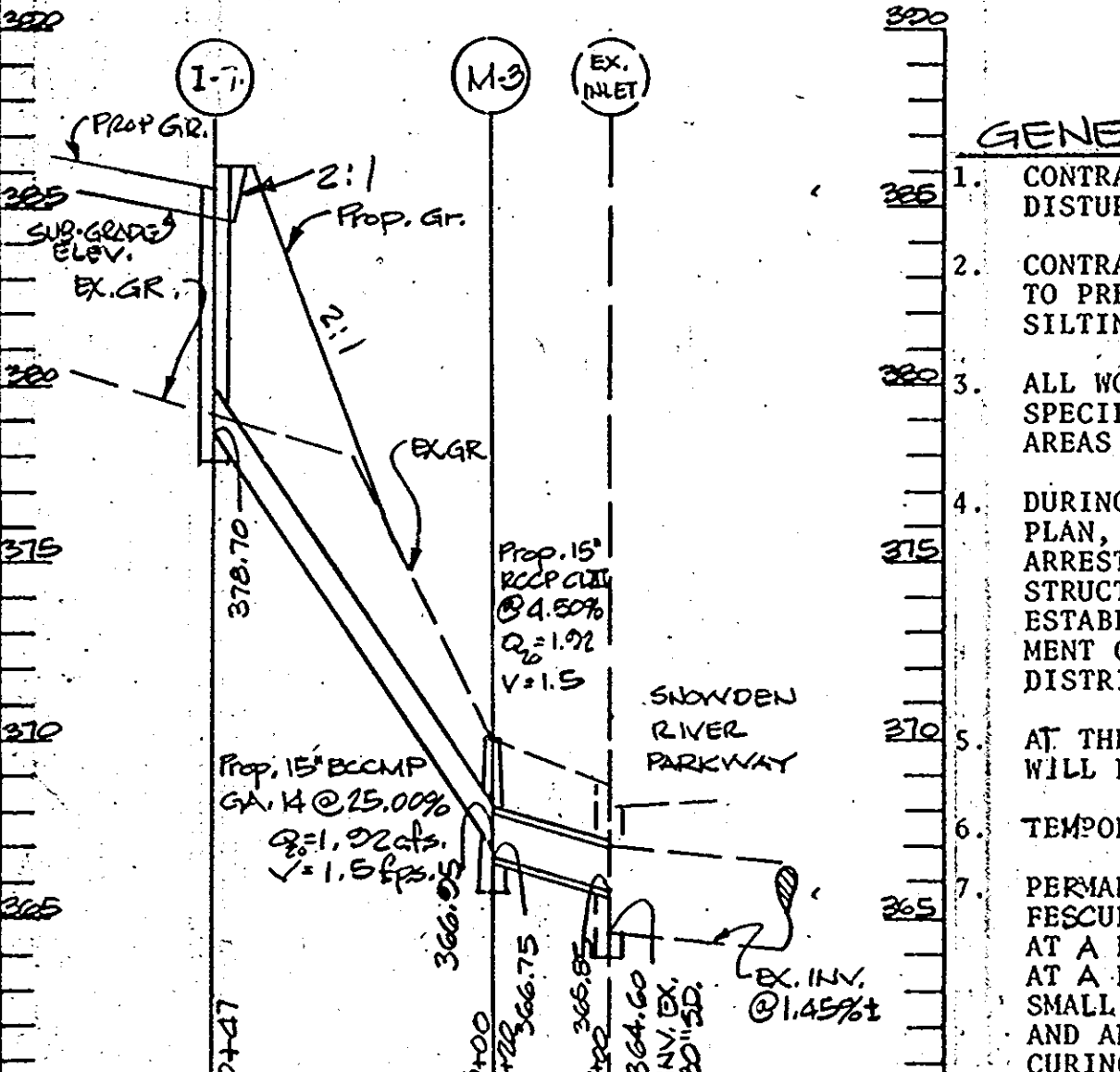
U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STRAW BALE DIKE	Standard Drawing SBD-1
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U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STORM INLET SEDIMENT TRAP	Standard Drawing ST-4
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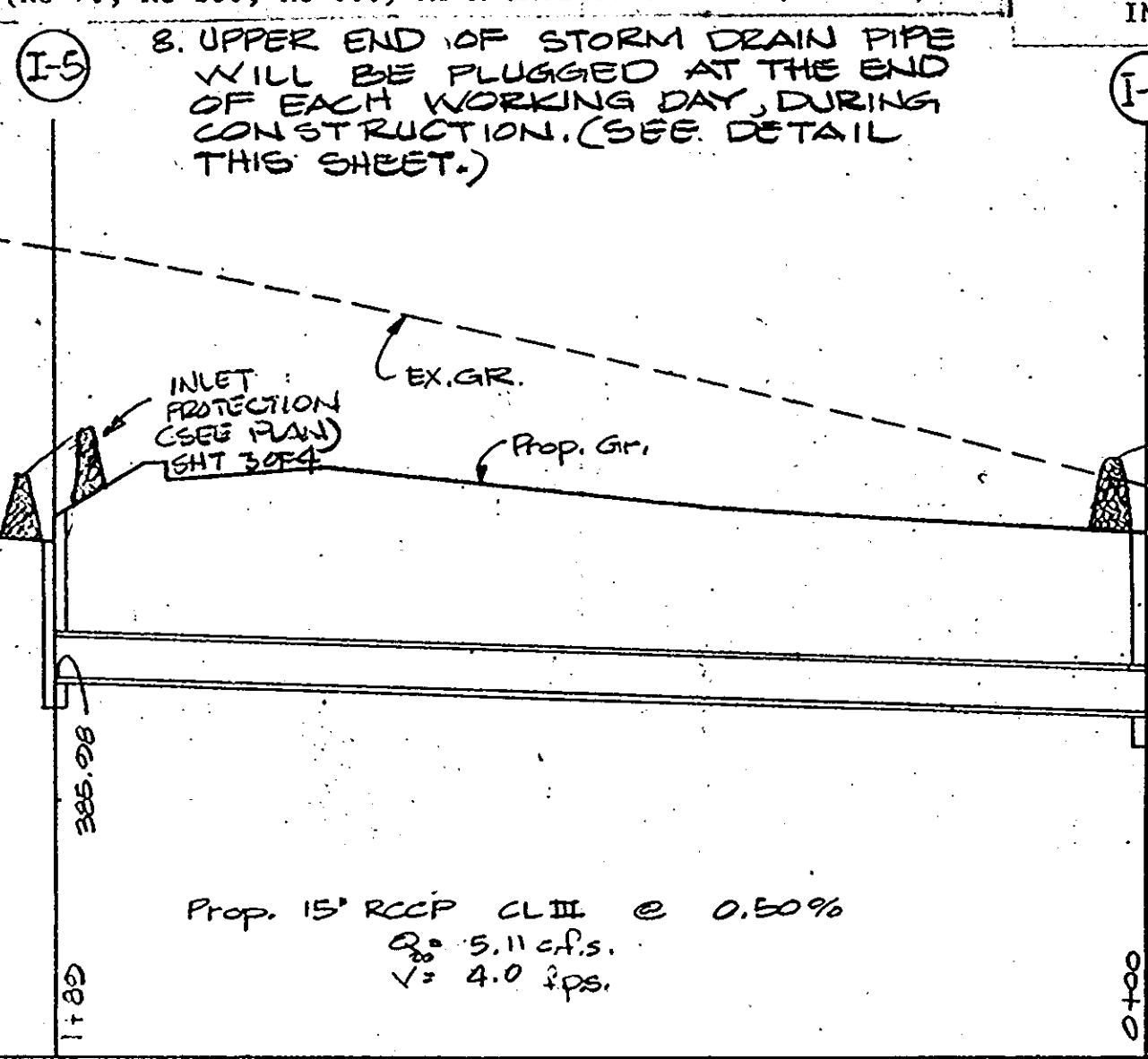


APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 6-22-79
COUNTY HEALTH OFFICER: [Signature]
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DATE: 6-22-79
PLANNING DIRECTOR: [Signature]
CHIEF LAND DEVELOPMENT: [Signature]
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS; HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DATE: 6-20-79
DIRECTOR: [Signature]
CHIEF BUREAU OF ENGINEERING: [Signature]



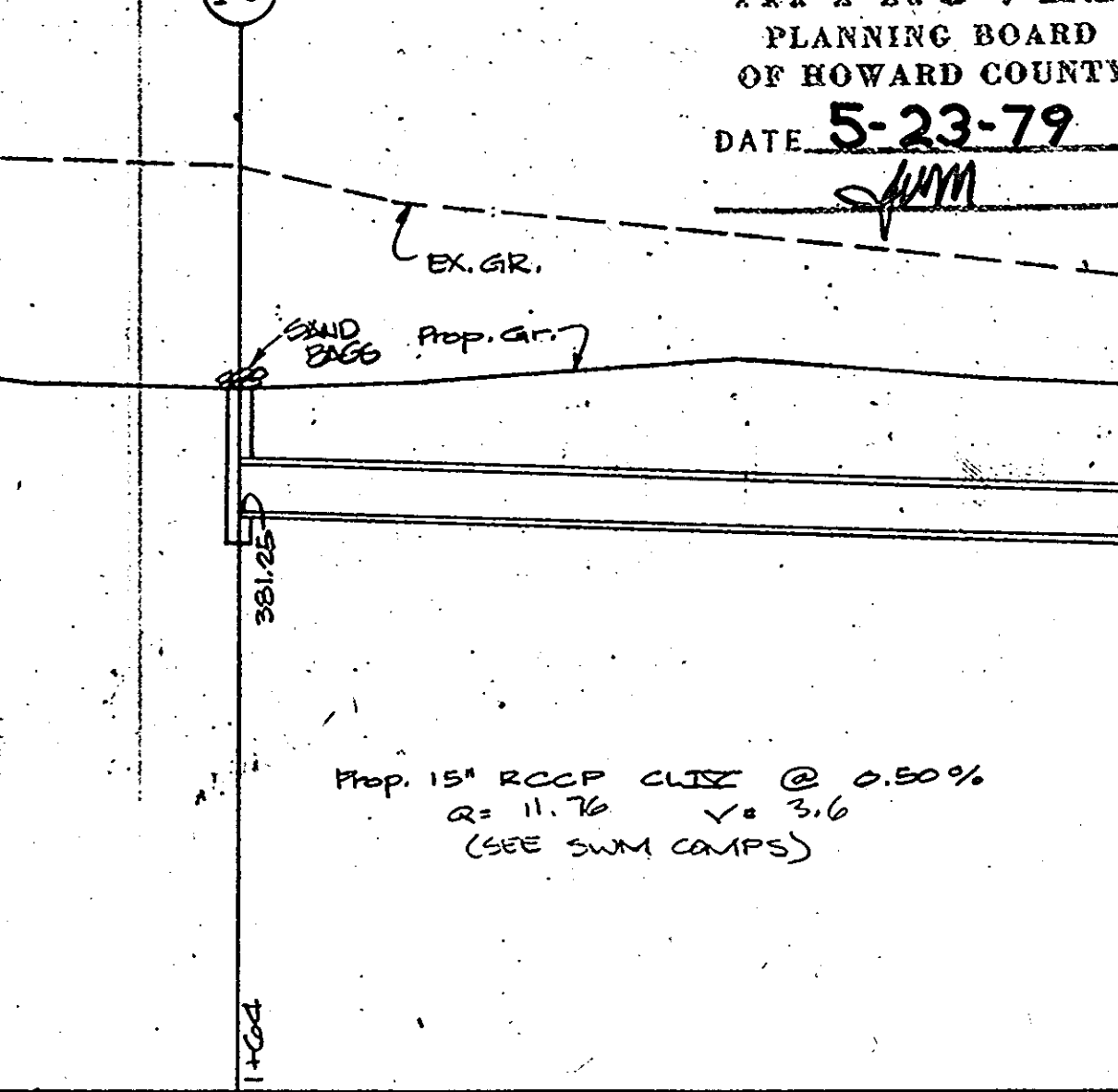
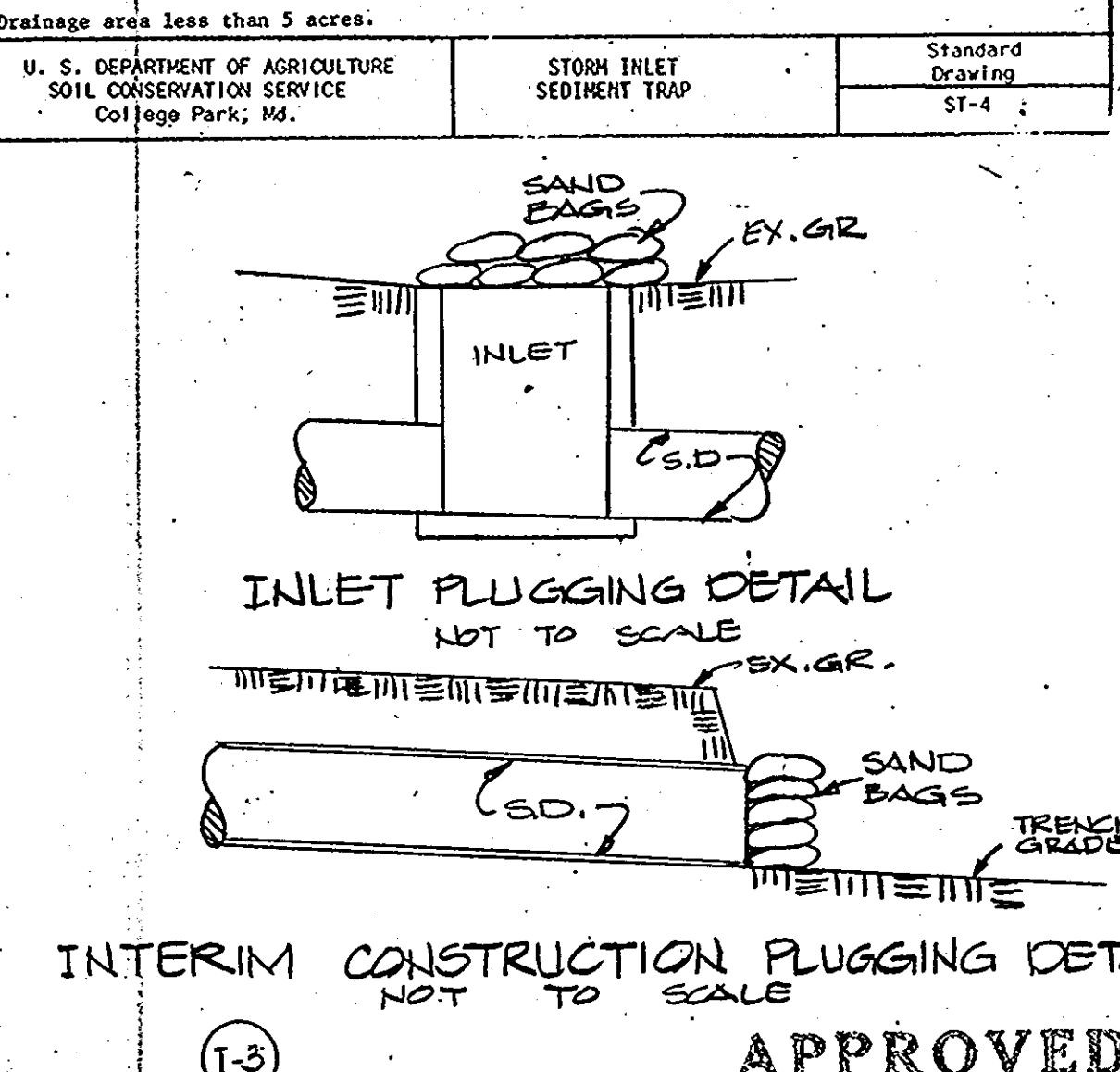
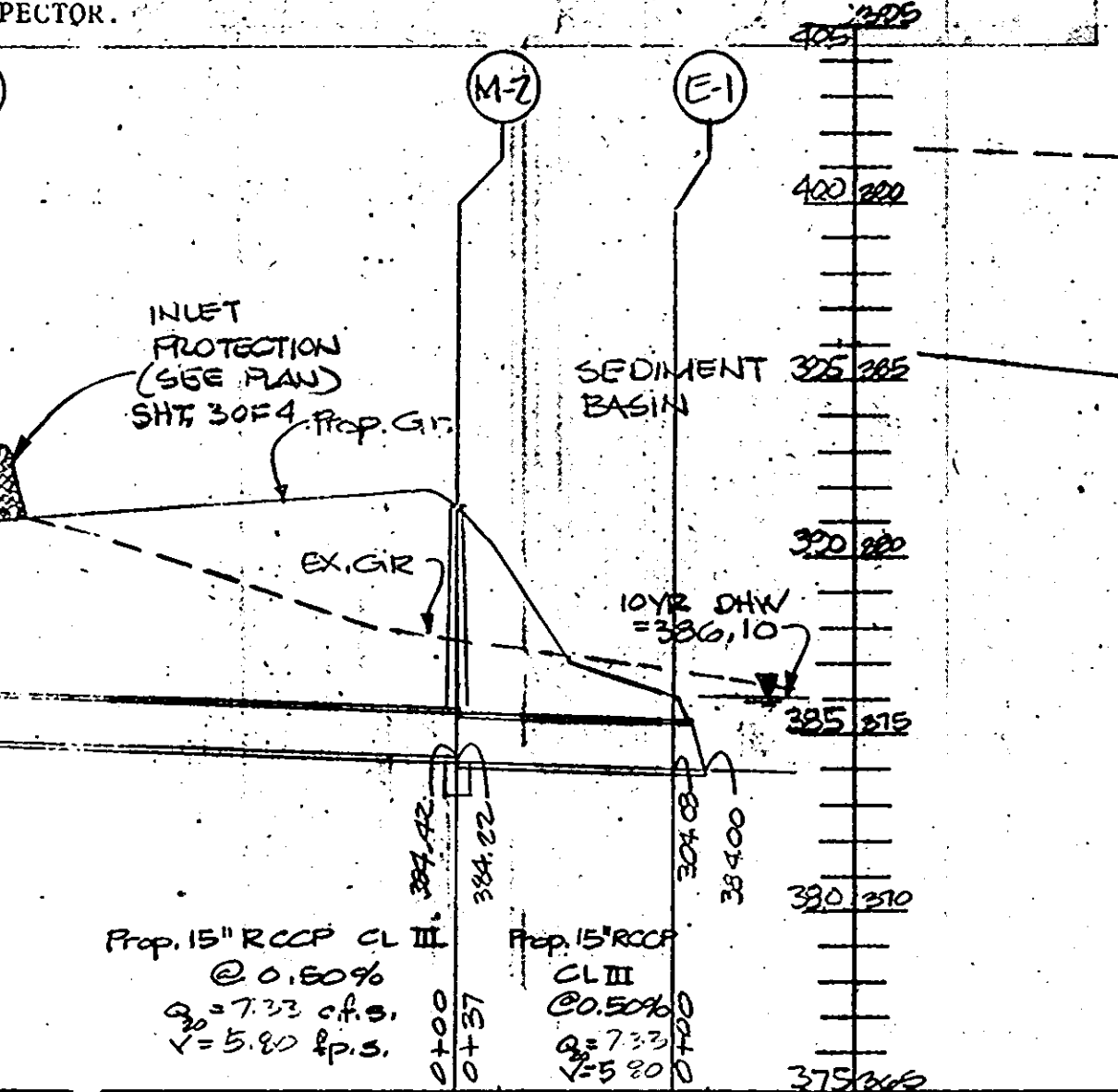
GENERAL NOTES

- CONTRACTOR TO PLACE 4" OF TOPSOIL THEN SEED AND MULCH ALL DISTURBED AREAS, AS SOON AS THE FINAL GRADING HAS BEEN COMPLETED.
- CONTRACTOR IS TO TAKE CARE AT ALL TIMES DURING CONSTRUCTION TO PREVENT SEDIMENT DAMAGE TO ADJACENT PROPERTIES AND/OR SILTING OF THE ROADWAYS.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE "STANDARDS AND SPECIFICATIONS FOR THE SOIL AND SEDIMENT CONTROL" IN DEVELOPING AREAS JULY 1975.
- DURING THE LAYOUT OF SEDIMENT CONTROL PRACTICES REQUIRED BY THIS PLAN, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO ASSURE THE ARREST AND CONTROL OF ANY SEDIMENT BEFORE IT LEAVES THE CONSTRUCTION SITE. CHANGES TO SEDIMENT CONTROL PRACTICES, AS ESTABLISHED BY THIS PLAN, REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
- AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN AN OPERATIONAL CONDITION.
- TEMPORARY DRAINAGE SHALL BE PROVIDED TO AVOID PONDING OF WATER.
- PERMANENT SEEDING SPECIFICATIONS: SEED SHALL BE KENTUCKY 31 TALL FESCUE APPLIED AT A RATE OF 5#/1000 S.F.; LIME SHALL BE APPLIED AT A RATE OF 50#/1000 S.F.; COMMERCIAL FERTILIZER (10-10-10) AT A RATE OF 3/4 T./AC; UNIFORM MULCH AREAS WITH UNWEATHERED SMALL GRAIN STRAW (PREFERABLY WHEAT) AT A RATE OF 1-1/2 T./AC. AND ANCHOR WITH ASPHALT TIE DOWN USING LIQUID ASPHALT RAPID CURING (RC-70, RC-250, RC-800) AT A RATE OF 0.1 GDL./S.Y.
- UPPER END OF STORM DRAIN PIPE WILL BE PLUGGED AT THE END OF EACH WORKING DAY, DURING CONSTRUCTION. (SEE DETAIL THIS SHEET.)

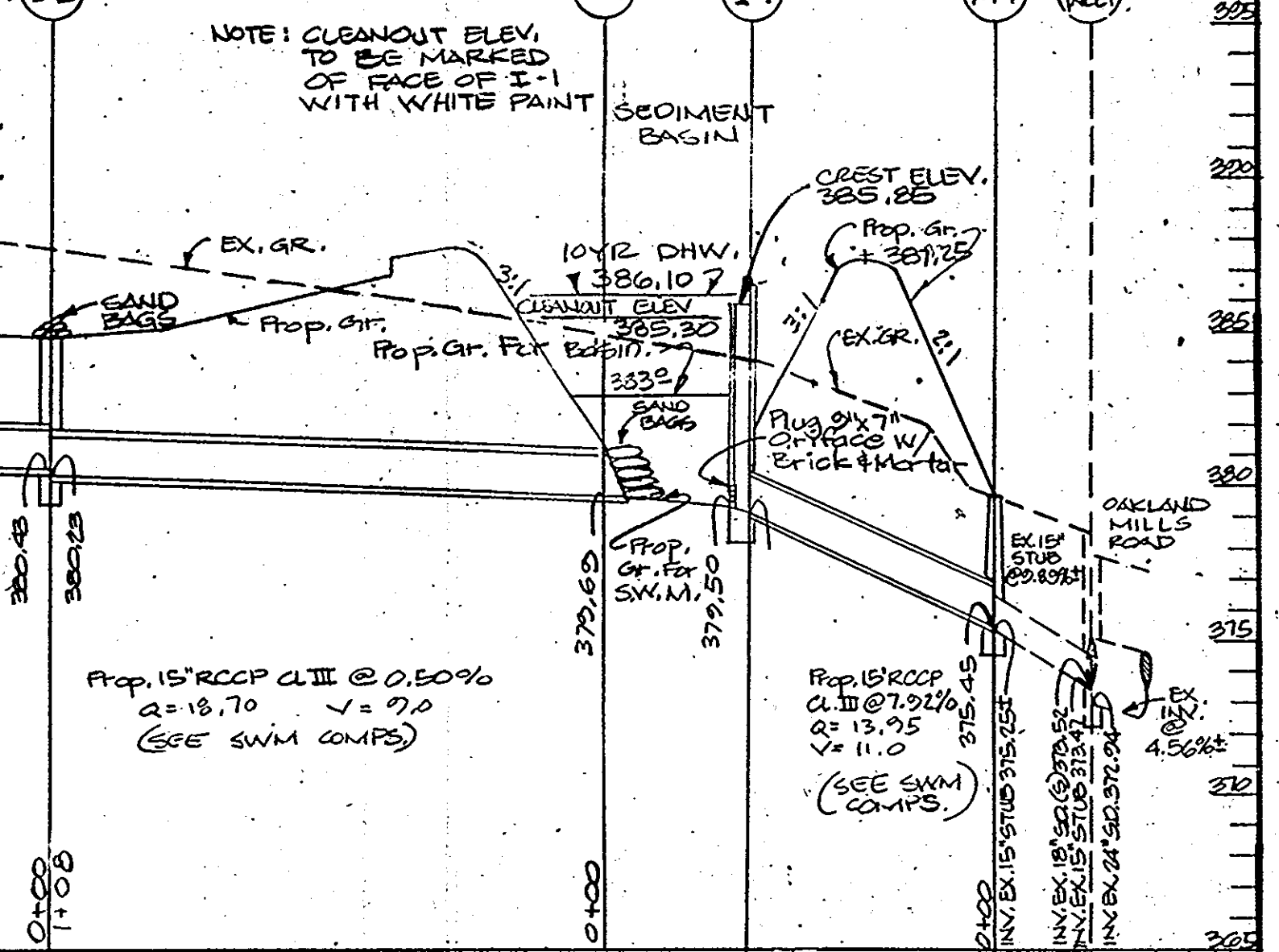


CONSTRUCTION SEQUENCE

- NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS INSPECTOR PRIOR TO STARTING ANY WORK.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL STRAW BALE DIKES AND STONE OUTLET STRUCTURE AS INDICATED ON PLAN SHEET 3 OF 4.
- INSTALL ALL DRAINAGE SYSTEMS.
- CONSTRUCT THE SEDIMENT BASIN & PLUG THE 2' x 7' ORIFICE IN THE SIDEWALL OF I-1 & PLUG INLET GRATES OF I-2 & I-3, & E-1
- CREATE INLET TRAPS AS INDICATED ON SHEET 3 OF 4.
- STATE MAJOR GRADING, MAINTAINING POSITIVE DRAINAGE TO SEDIMENT CONTROL FACILITIES.
- PLACE SUB-BASE MATERIALS ON THE PARKING, DRIVE, AND BUILDING AREAS AS SOON AS POSSIBLE.
- STABILIZE ALL DISTURBED SOIL OUTSIDE OF BUILDING & PAVING AREAS WITH 4" TOPSOIL, PERMANENT SEEDING, AND MULCH.
- CLEAN OUT SEDIMENT BASIN AND STABILIZE BEFORE CONVERTING IT TO STORM WATER MANAGEMENT, STABILIZE ACCORDING TO GEN. NOTE #7.
- REMOVE TEMPORARY PLUG FROM LOWER ORIFICE I-1.
- REMOVE TEMPORARY SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR.



HOWARD SOIL CONSERVATION DISTRICT
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
APPROVED: [Signature]
DATE: 6-22-79
REVIEWED FOR S.C.D. & MEETS TECHNICAL REQUIREMENTS
[Signature]
SIGNATURE: U.S. SOIL CONSERVATION SERVICE
DATE: 6/18/79



ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION & 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 HOWARD COUNTY SOIL CONSERVATION DISTRICT.
[Signature]
DATE: 3/20/79

DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION & SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.
[Signature]
DATE: 6/1/79

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION & 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 HOWARD COUNTY SOIL CONSERVATION DISTRICT.
[Signature]
DATE: 3/20/79

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[Signature]
DATE: 3/20/79

EROSION & SEDIMENT CONTROL PLAN
OWEN BROWN BUSINESS CENTER
GUILFORD INDUSTRIAL PARK
VILLAGE OF OWEN BROWN, 2/3, PARCEL A
COLUMBIA
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT #6
SCALE: AS SHOWN
DATE: MARCH 20, 1979
SHEET 4 OF 4
PN 4085
SDP# 79-116