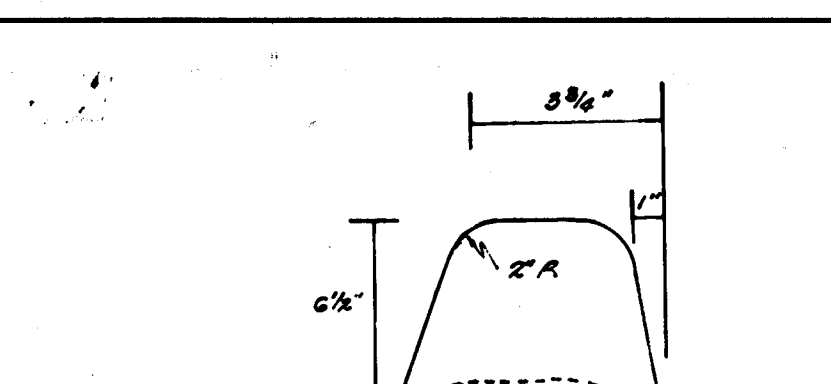
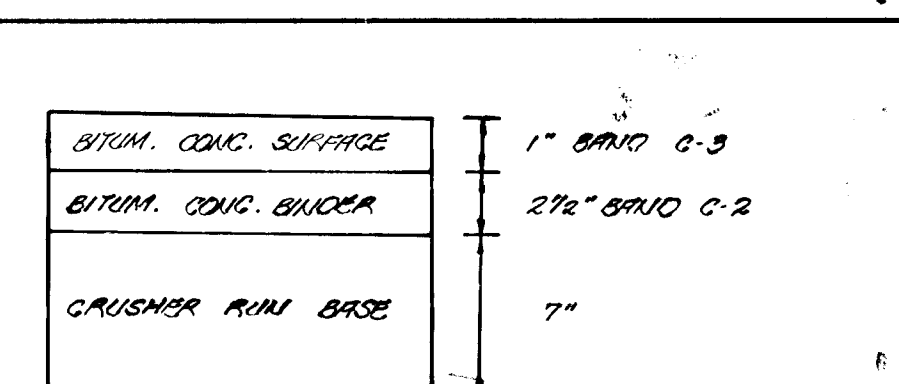


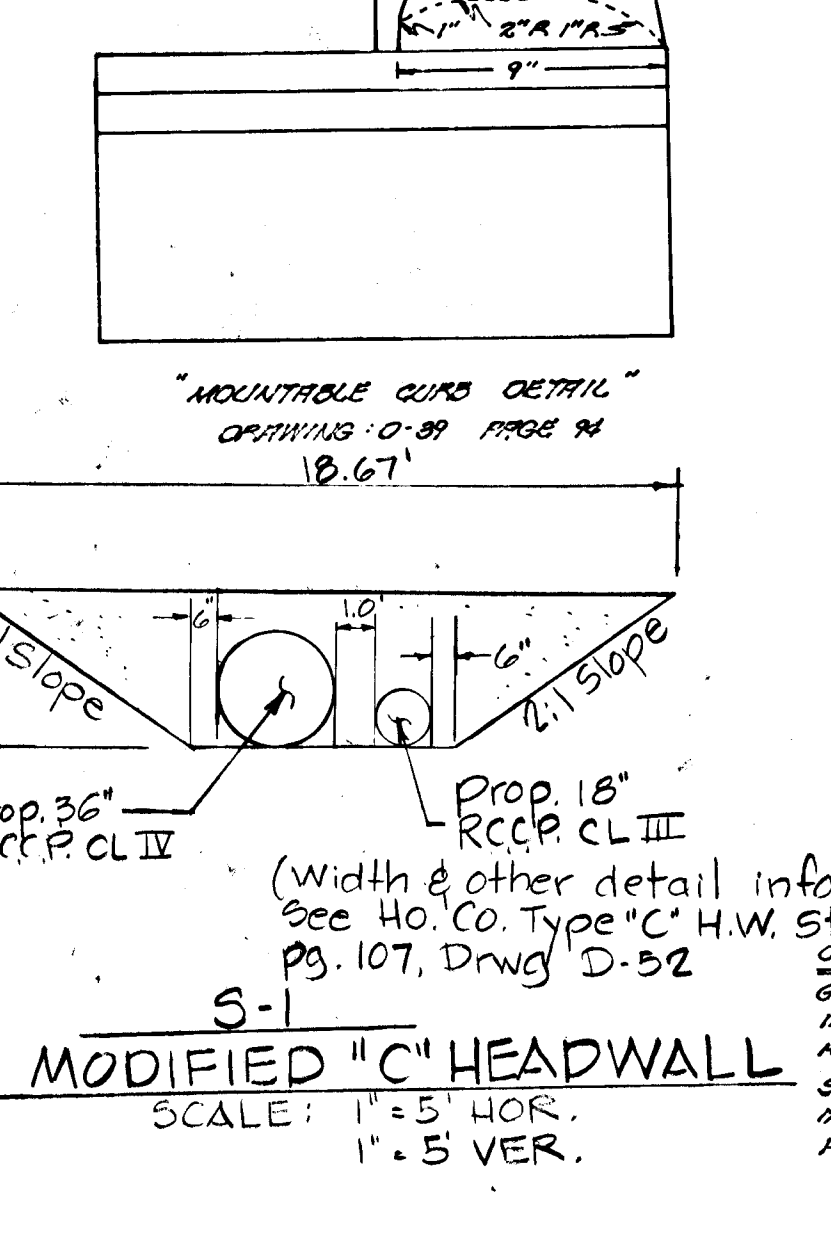
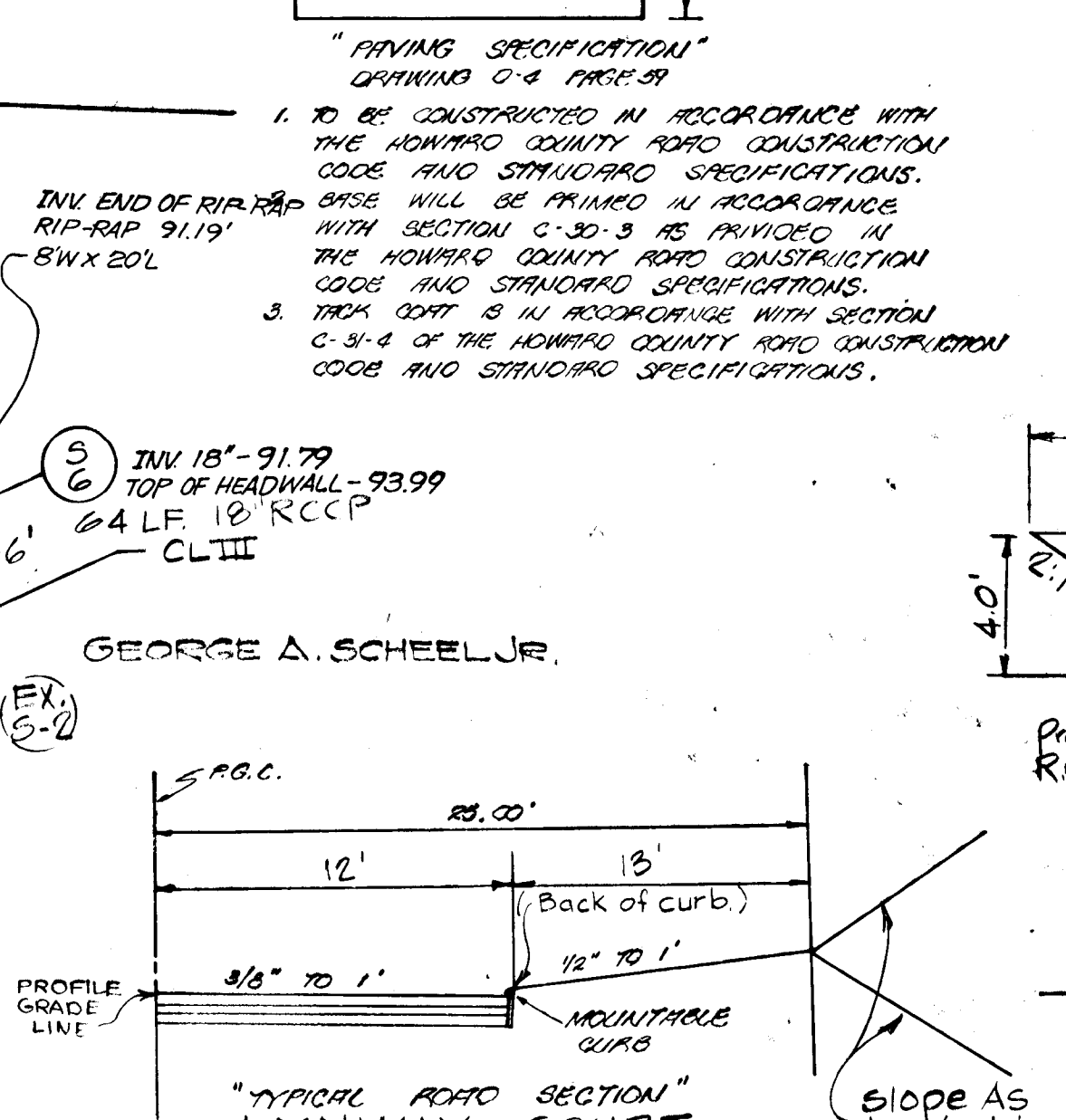
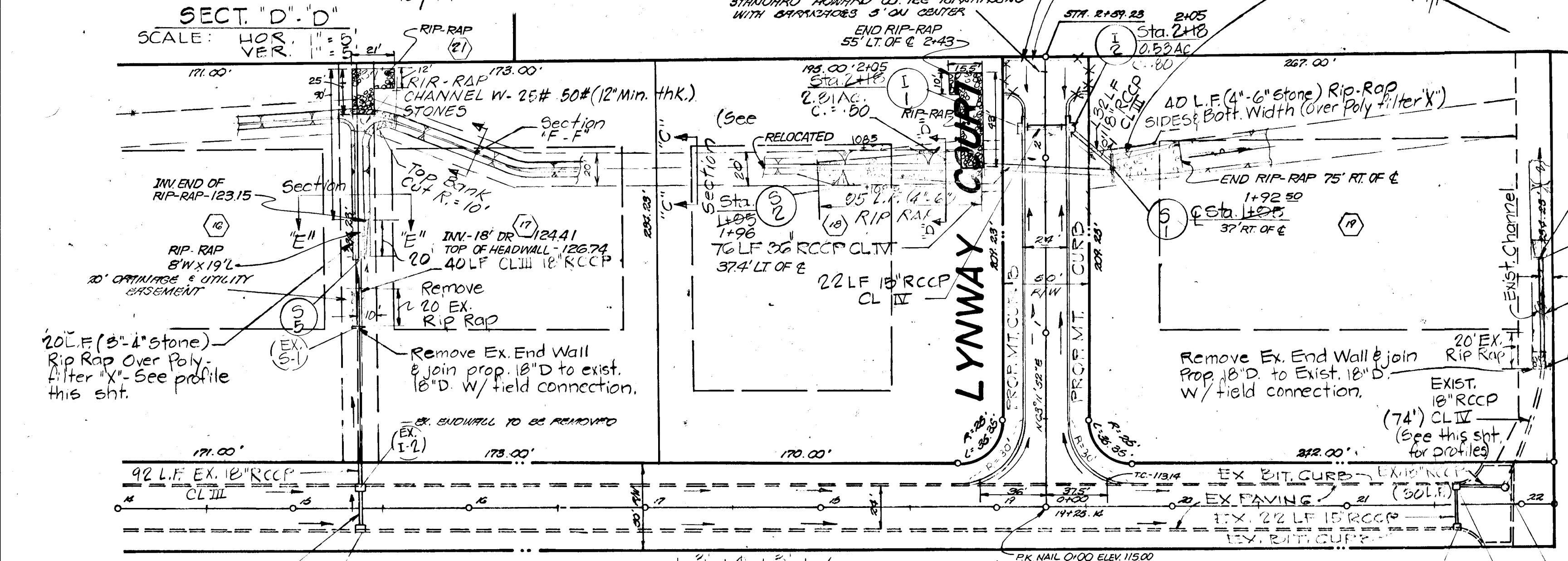
NOTE: ALL CHANNELS & DITCHES SHOWN ON PLAN, PROFILE & SECTIONS REFLECT THE MINIMUM REQ'TS TO MEET HO. CO. DESIGN CRITERIA. ACTUAL CUTS WILL BE DETERMINED BY EXISTING CONDITIONS AND SET BY THE ENGINEER IN THE FIELD TO MEET W/THE MIN. DIMEN'S SHOWN HEREIN.

NOTE: 25# to 50# Stones req'd., min. thk. = 1.0'



APPROVED: DEPARTMENT OF PUBLIC WORKS
Donald W. Hake 3/29/77
 CIVIL, BUREAU OF HIGHWAYS

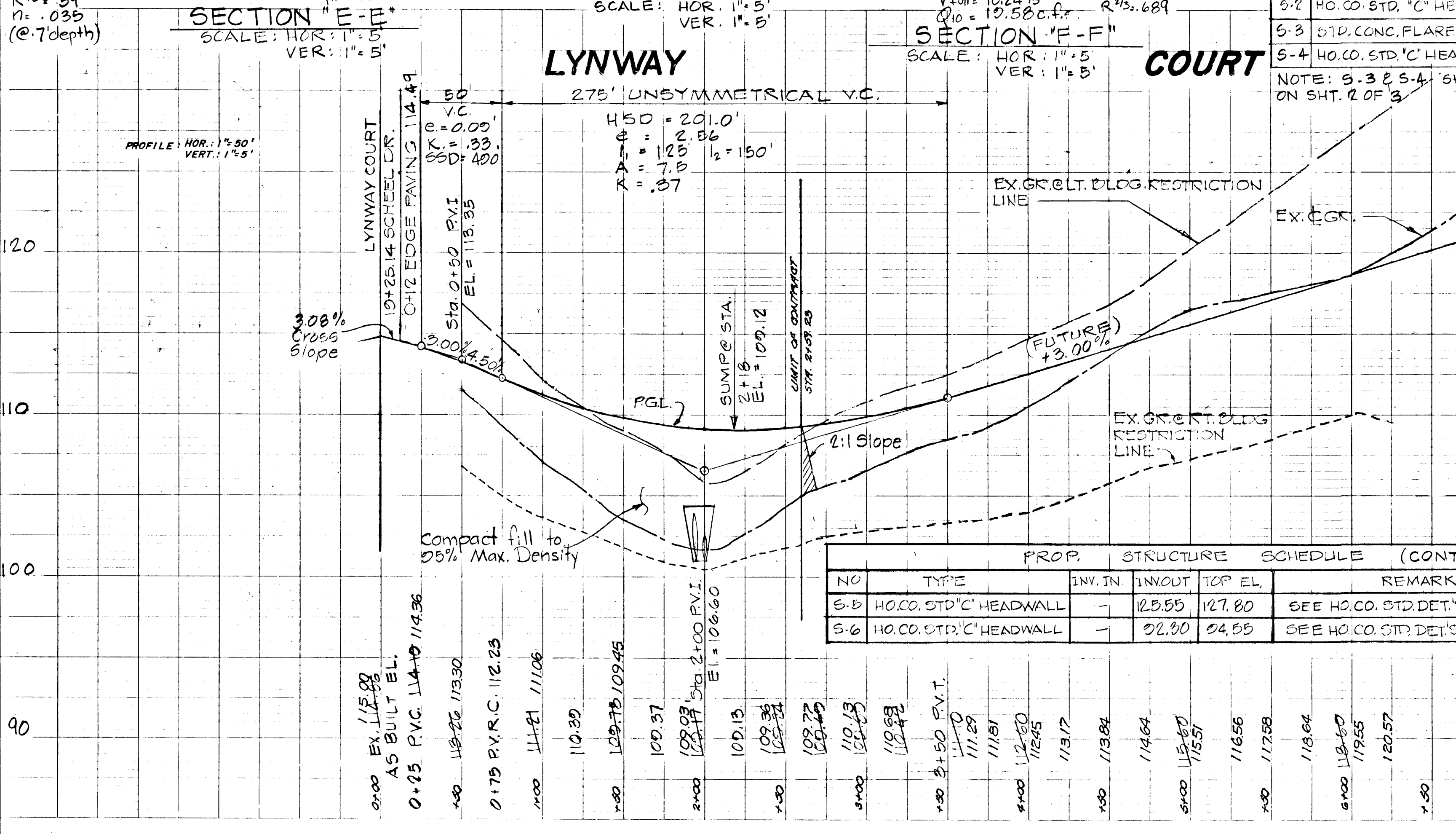
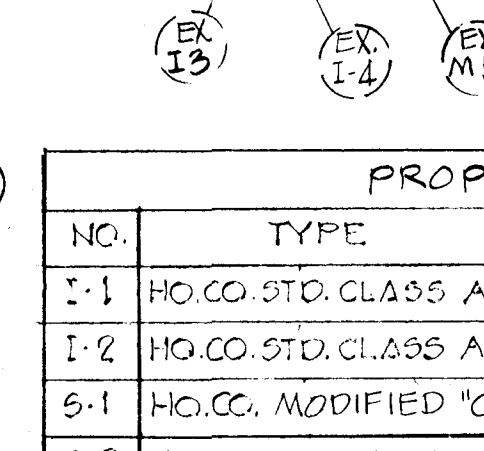
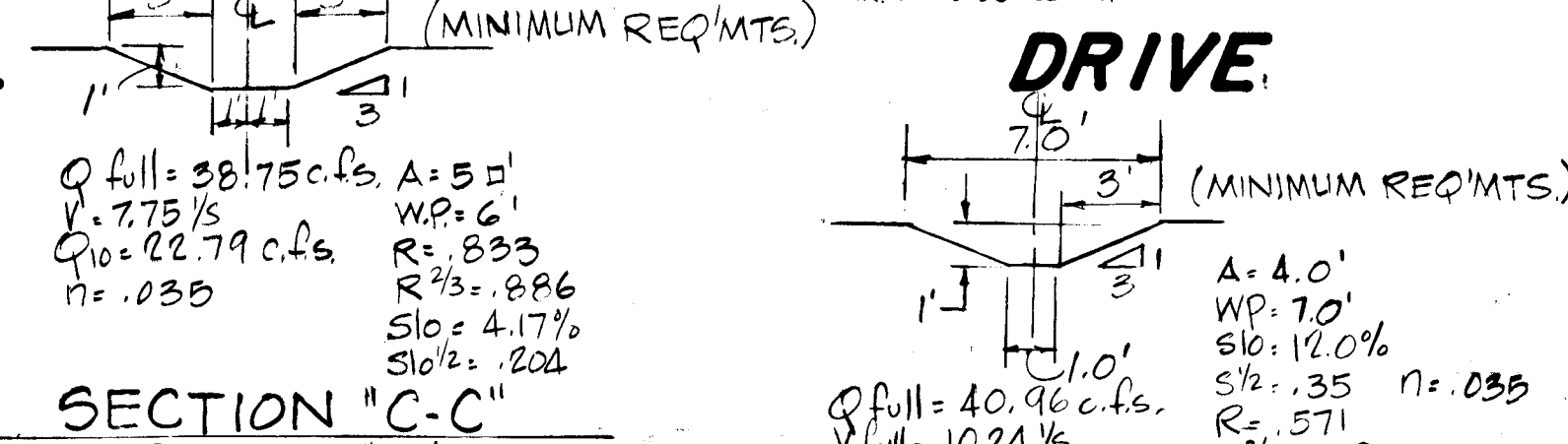
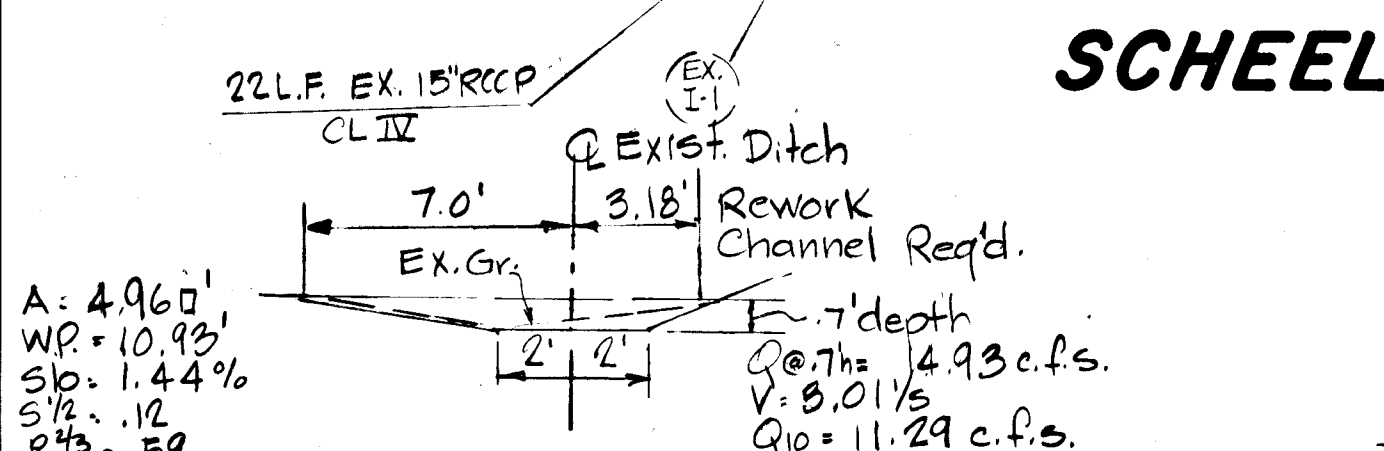
APPROVED: OFFICE OF PLANNING AND ZONING
M.W. Muller 4-7-77
 CIVIL, DIVISION OF LAND DEVELOPMENT
 PROFESSIONAL PLANNING



AS-BUILT 1/7/81
 AS-BUILT GRADES CERTIFIED BY WILLIAM G. HARTEL P.L.S. No. 9436

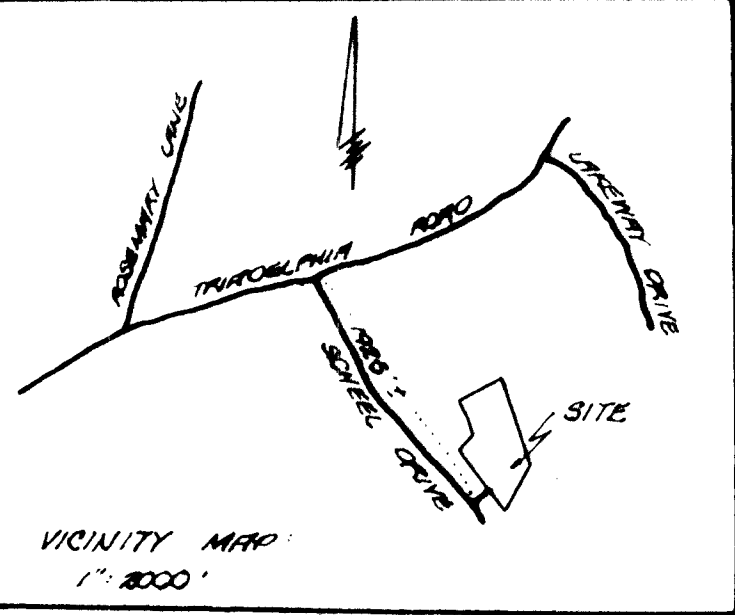
OWNER / DEVELOPER:
 GEORGE A. SCHEEL, JR.
 18,545 TRAVERBOPHIA RD.
 HOWARD COUNTY, MD.
 S. ELWOOD ANDERSON
 12,791 TRAVERBOPHIA RD.
 HOWARD COUNTY, MD.

Professional Engineer Seal for Robert Mayhew, No. 110,000, State of Maryland.

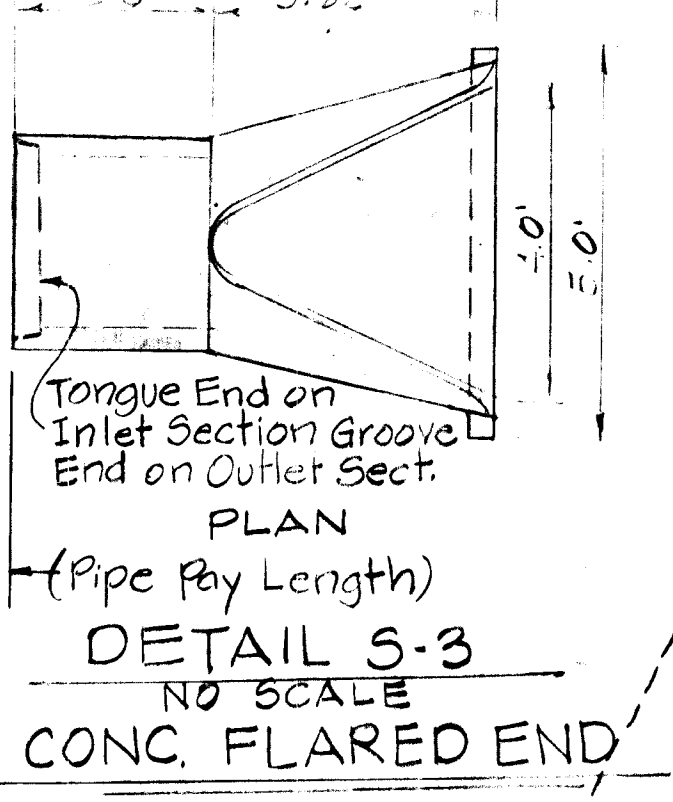
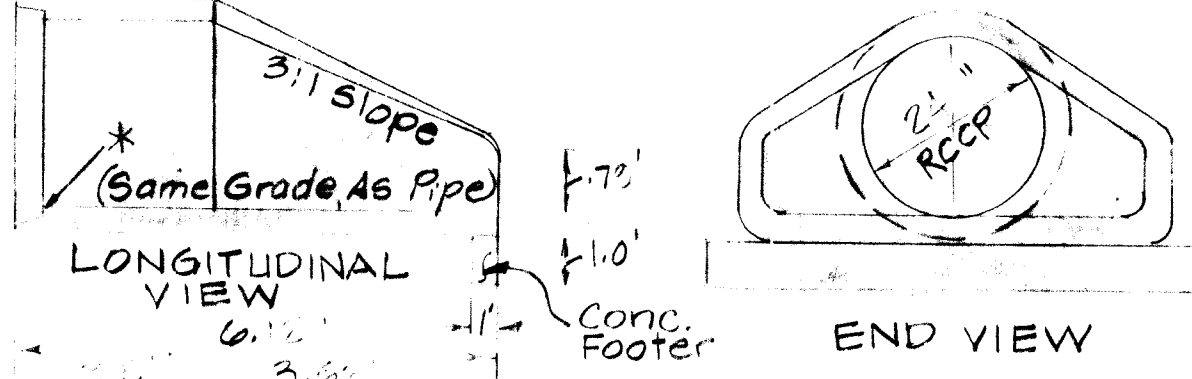


NO.	TYPE	INV. IN	INV. OUT	TOP EL.	REMARKS
1-1	HO. CO. STD. CLASS A10 INLET	108.52	108.52	108.52	SEE HO. CO. STD. DETAILS DRWG. 64-A PAGE 110-A DEPR.
1-2	HO. CO. STD. CLASS A-5 INLET	108.52	108.52	108.52	SEE HO. CO. STD. DETAILS DRWG. 64-A PAGE 110-A DEPR.
5-1	HO. CO. MODIFIED 'C' H.W.	108.52	108.52	108.52	SEE DETAIL THIS SHT.
5-2	HO. CO. STD. 'C' HEADWALL	108.52	108.52	108.52	SEE HO. CO. STD. DET'S DRWG. D-52, PG. 107
5-3	STD. CONC. FLARED END	130.00	130.00	130.00	SEE SHT. 2 OF 3 FOR DETAIL
5-4	HO. CO. STD. 'C' HEADWALL	130.00	130.00	130.00	SEE HO. CO. STD. DET'S DRWG. D-52, PG. 107

TITLE	FINAL ROAD CONSTRUCTION PLAN - SCHEEL COURT	ENGINEERING PLANNING SURVEYING BY
PROJECT	WAYSIDE ESTATES - SECTION 2 - STA. 0+00 TO 2+59.23	BOENDER ASSOCIATES INC.
LOCATION	3RD ELECTION DISTRICT - HOWARD COUNTY, MARYLAND	BALTIMORE, MD. 465-7777
DATE	DEC. 1976	SALISBURY, MD. 743-1286
DES. BY	W.H.N.	
DRAWN BY	W.N.	
CHKD. BY	R.M.	
SCALE	AS SHOWN	
JOB NO.	7491	
DRWG. NO.	1 OF 3	



* Invert Elev. to be at the pipe end of the std. end sect. elev. & grade shown herein on profile this ent.

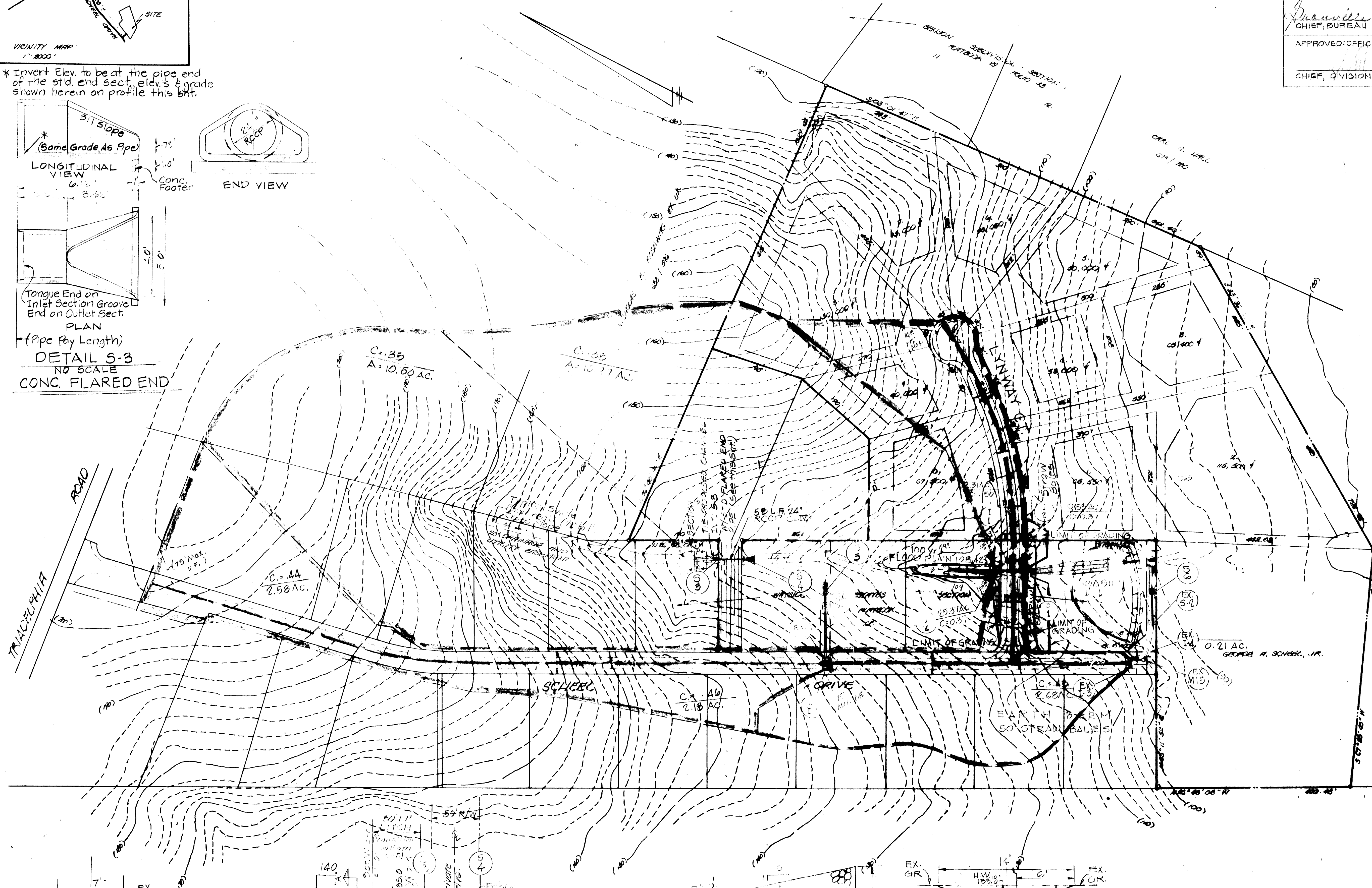


REVISIONS			
ISSUE	BY DATE	DESCRIPTION	CHG.

APPROVED: DEPARTMENT OF PUBLIC WORKS
Francis J. McLeod 3/24/77
 CHIEF, BUREAU OF HIGHWAYS DATE

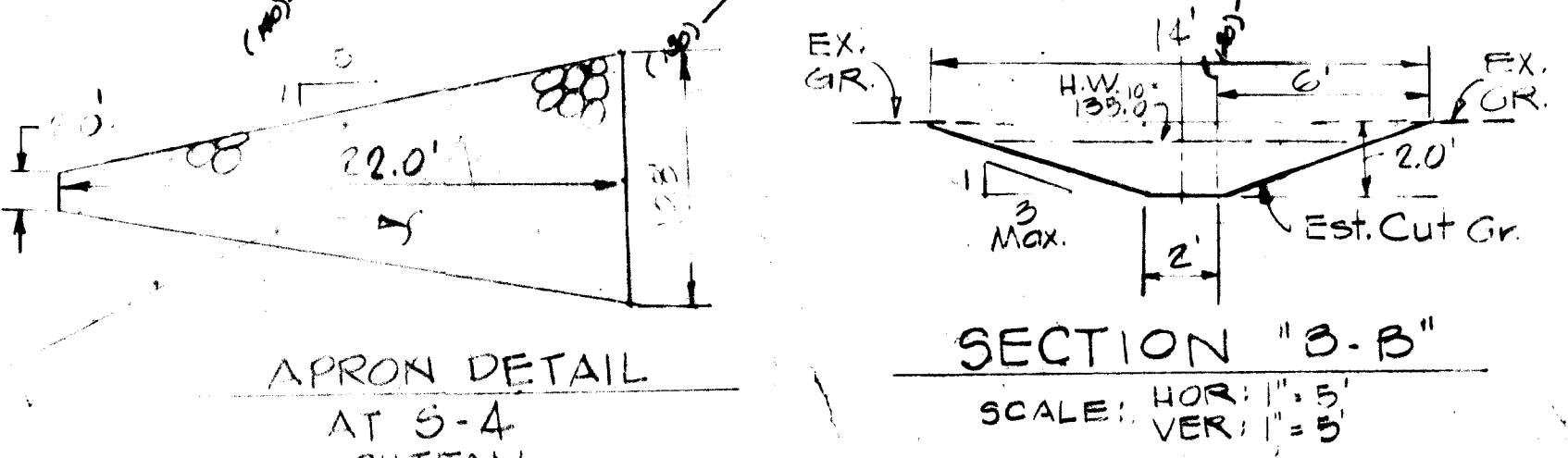
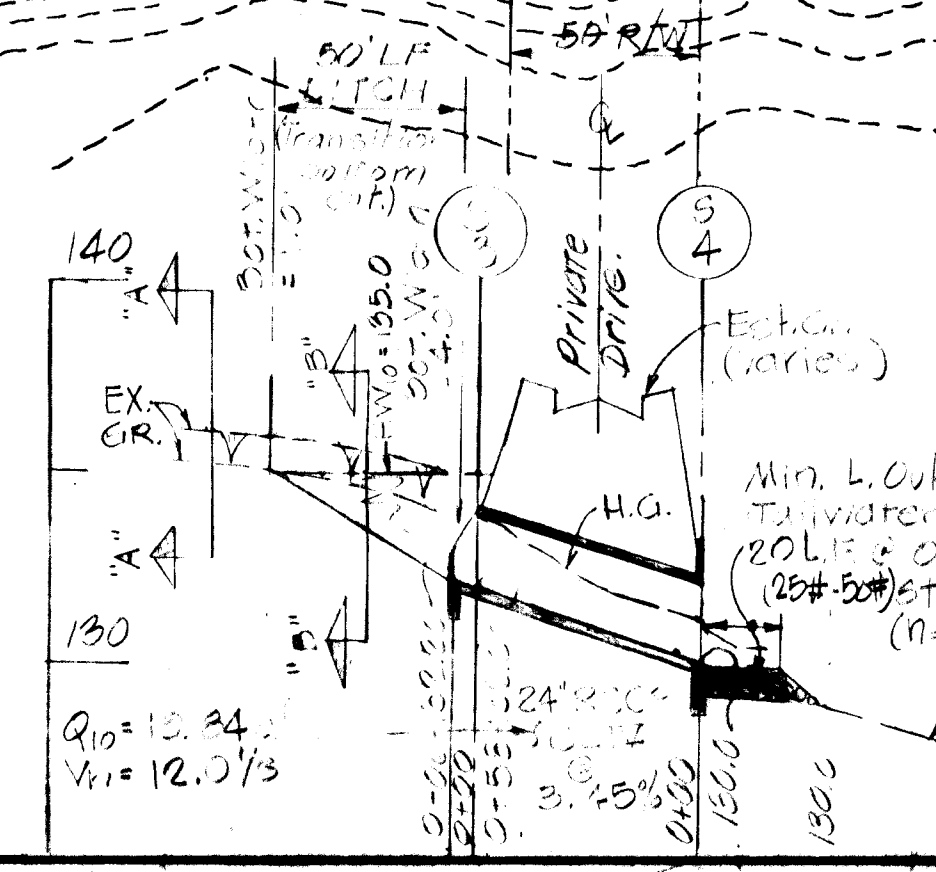
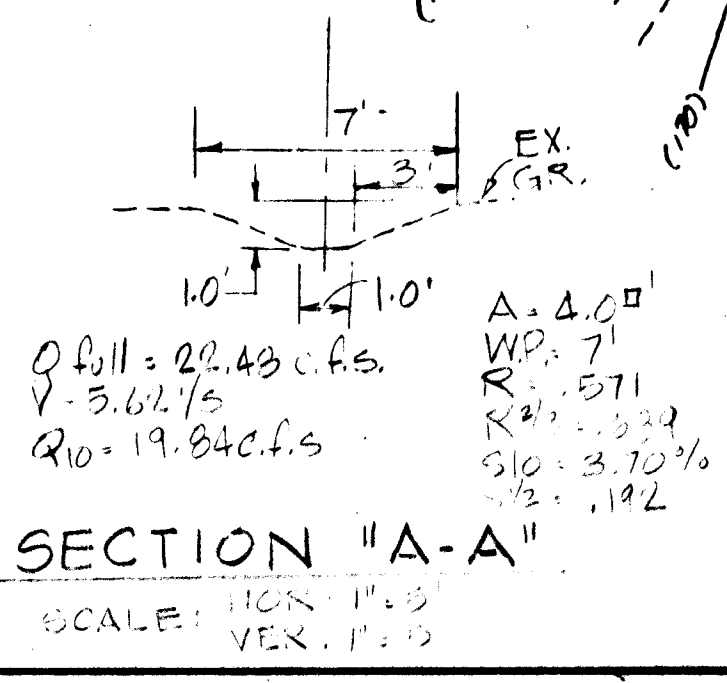
APPROVED: OFFICE OF PLANNING AND ZONING
[Signature] 1/1/77
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

- SITE ANALYSIS:
1. THE MAP: 22
 2. PARCEL NO.: 46
 3. TOTAL AREA OF SITE: 17.83 ACRES
 4. TOTAL NO. OF LOTS: 10
 5. TOTAL AREA OF LOTS: 6.89 ACRES
 6. TOTAL AREA OF PAV: 0.25 ACRES
 7. EXIST. IMPROVEMENTS: 20' DIA.
 8. PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS WILL BE UTILIZED.
 9. THERE ARE NO EXISTING OR PROPOSED RECREATION OR PARK AREAS IN THIS SUBDIVISION.
 10. EXISTING BUILDING: R-40



BASIN #1
AV'S AREA
120' x 120' x 5' = 1877 CU. YDS.

OWNER AND DEVELOPER:
S. ELWOOD RICHARDSON
1479 TRINIDAD AVENUE
MONROE COUNTY, MD.



PROFILES, SECTIONS, & DETAILS

TITLE	DRAINAGE AREA MAP & SEDIMENT CONTROL PLAN		
PROJECT	HAYWOOD ESTATES - SECTION 2		
LOCATION	370 ELECTION DRIVE, MONROE COUNTY, MD.		
DATE	DEC. 1976	W.N.	W.N.
DRAWN	1" = 40'	DATE	7/1/77

DATE: DEC. 1976
 SCALE: 1" = 40'
 DATE: 7/1/77

SEDIMENT CONTROL NOTES

1. THE H.S.C.D. AND BUREAU OF LICENSE INSPECTION AND PERMITS WILL BE GIVEN 24 HRS. NOTICE PRIOR TO ANY GRADING.
2. ALL SEDIMENT CONTROL STRUCTURES SHOWN ON THIS PLAN, UNLESS OTHERWISE SPECIFIED, WILL BE INSTALLED AND STABILIZED IN ACCORDANCE WITH NOTE #9 OR TO ANY GRADING OR EARTH DISTURBANCE ON THIS SITE.
3. AS SOON AS ROUGH GRADING IS COMPLETED, AREA TO BE PAVED WILL BE STABILIZED WITH SODS OR MATS.
4. ALL CUT AND FILL SLOPES WILL BE A MAXIMUM OF 2:1.
5. FOLLOWING THE STABILIZATION OF ALL AREAS, UPGRADE THE AREA OF THE SEDIMENT CONTROL MEASURES. MAY BE REMOVED AND GRADED TO THE FINAL GRADED PLAN AND STABILIZED IMMEDIATELY.
6. EXCESSIVE WASTE MATERIAL SHALL BE FINELY GRADED.
7. IN THE EVENT OF EXCESS OF MATERIAL, THE WASTE WILL BE STOCKPILED WITH A MAXIMUM 2:1 SLOPE ON AN AREA WHICH HAS BEEN CLEARED ON THE SITE. STOCKPILED MATERIAL WILL BE STABILIZED IN ACCORDANCE WITH NOTE #9.
8. SEDIMENT CONTROL MEASURES WILL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM THE H.S.C.D.
9. TEMPORARY STABILIZATION:
 - A) APPLY 2000 LBS./AC. OF 40-0-0 OR 40-0-20 / 1000 LB. FT. OF PULVERIZED DOLOMITIC LIMESTONE
 - B) APPLY 2000 LBS./AC. OF 10-10-10 FERTILIZER
 - C) APPLY 2000 LBS./AC. OF 10-10-10 FERTILIZER
10. PERMANENT STABILIZATION:
 - A) APPLY 10-10-10 FERTILIZER @ 1000 LBS./AC. (25#/1000)
 - B) APPLY GROUND AGRICULTURAL LIMESTONE @ 2000 LBS./AC. (50#/1000)
 - C) INCORPORATE INTO SOIL AND FERTILIZER INTO SOIL BY DISCING FIRM UP AFTER INCORPORATION.
 - D) LAY SOD TO A TIGHT FIT, SOIL TO ENSURE CONTACT WITH UNDERLYING SOIL. WATER AS NECESSARY FOR 1-2 WEEKS (IN SUMMER) TO ENSURE ESTABLISHMENT.

DEVELOPER'S CERTIFICATION:

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE ACCORDING TO THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

Ant Shl Ant Shl
 DEVELOPER DATE 1/10/77

ENGINEER'S CERTIFICATION:

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.

Radolph May Jr
 ENGINEER DATE 12-21-76

REVIEWED FOR H.S.C.D. AND MEETS TECHNICAL REQUIREMENTS

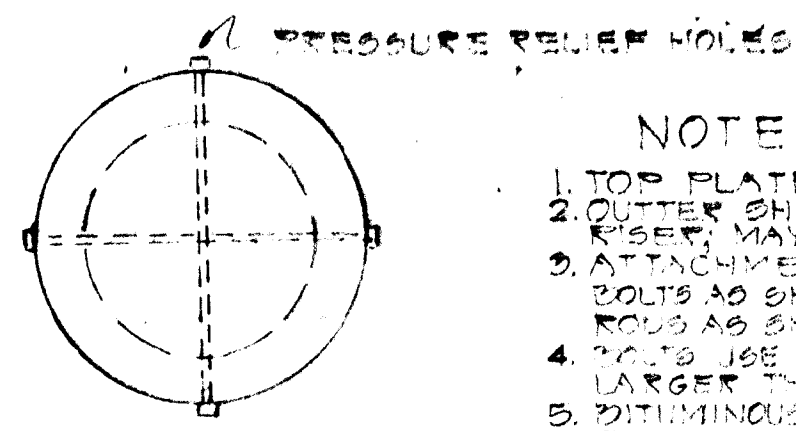
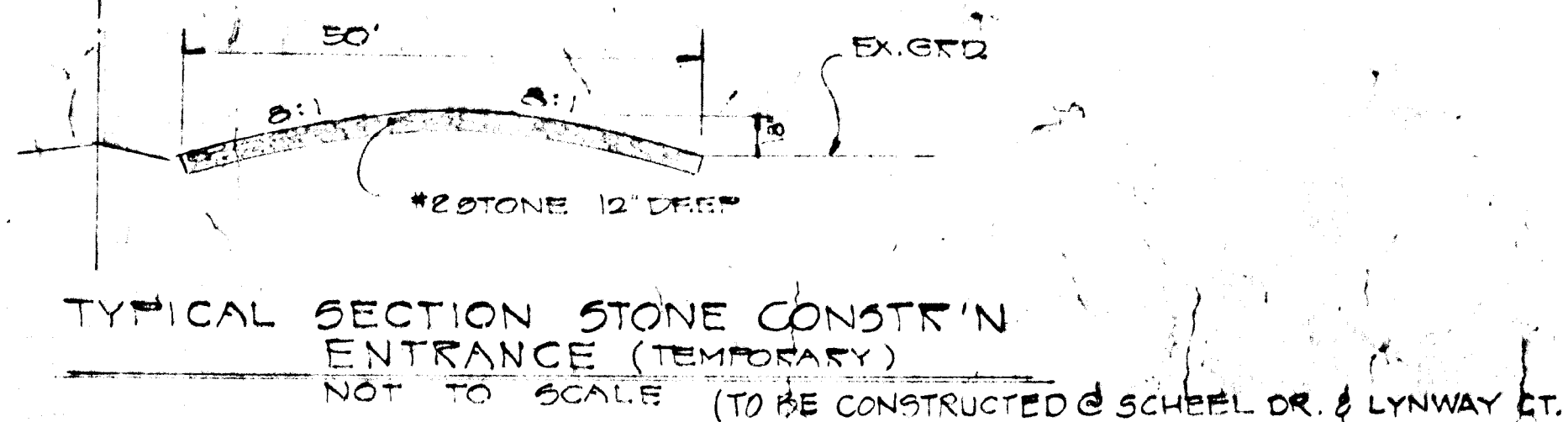
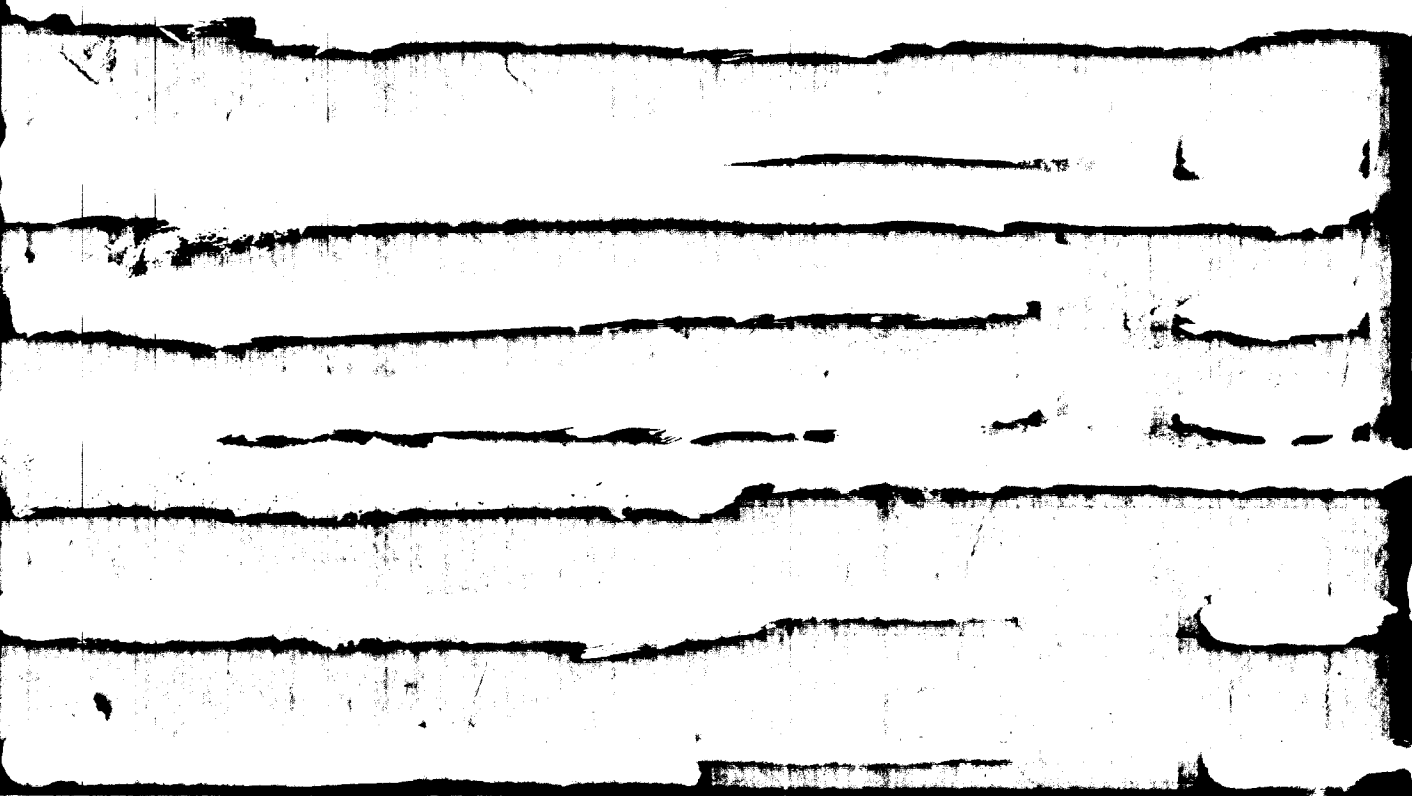
Eric V. Herman
 U.S. SOIL CONSERVATION SERVICE DATE 3/23/77

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

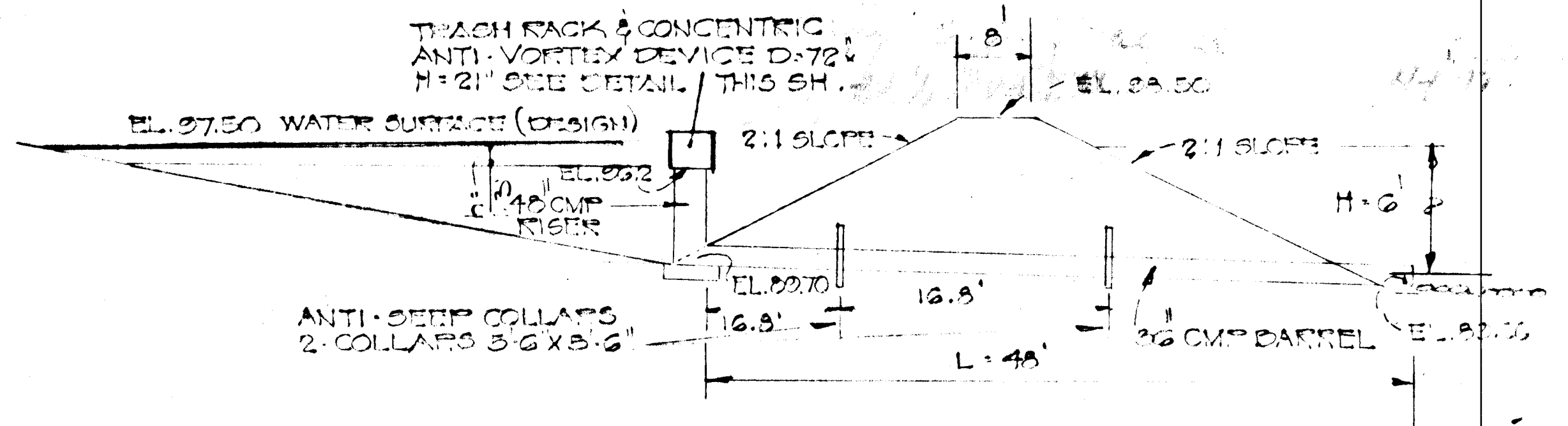
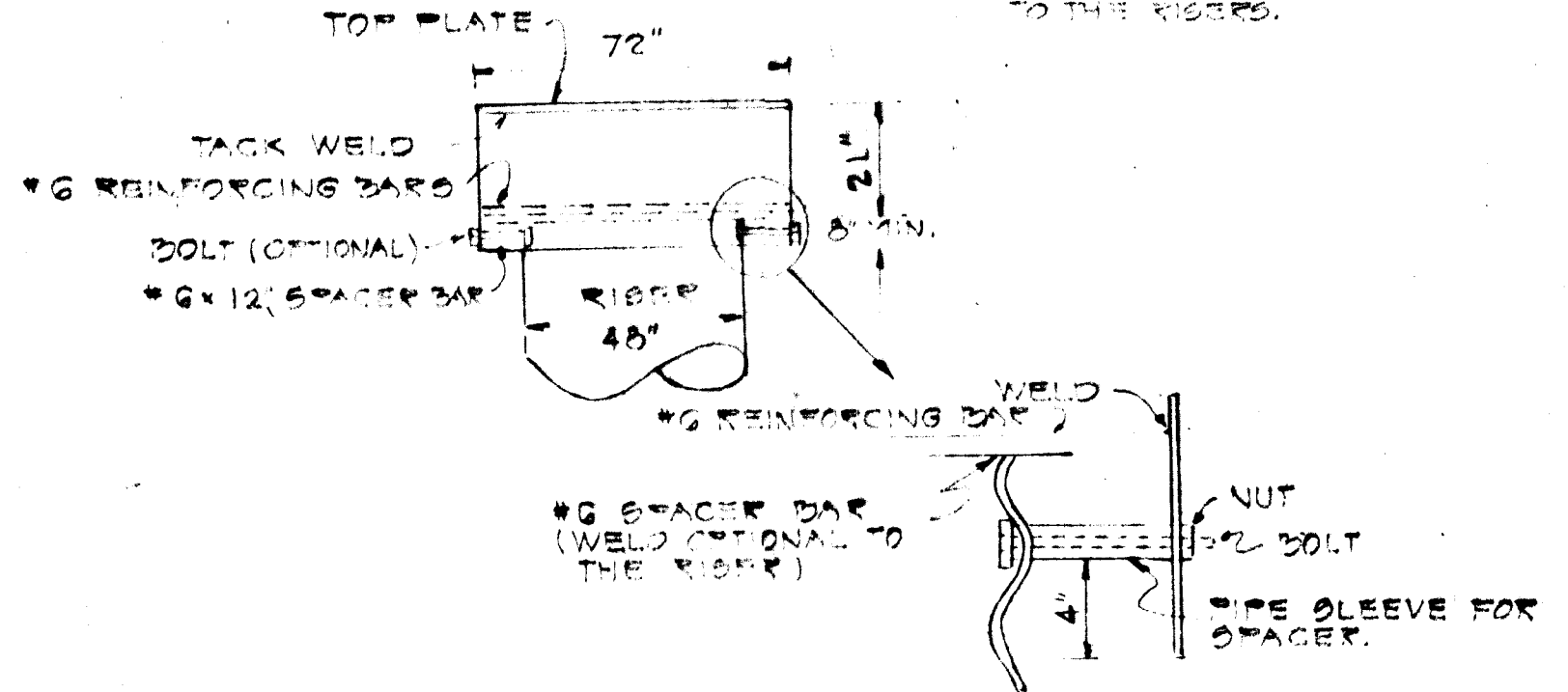
Robert W. Zieher
 HOWARD SOIL CONSERVATION DISTRICT DATE 3/23/77

APPROVED: DEPARTMENT OF PUBLIC WORKS.
Branville M. Wessell
 CHIEF, BUREAU OF HIGHWAYS DATE 3/29/77

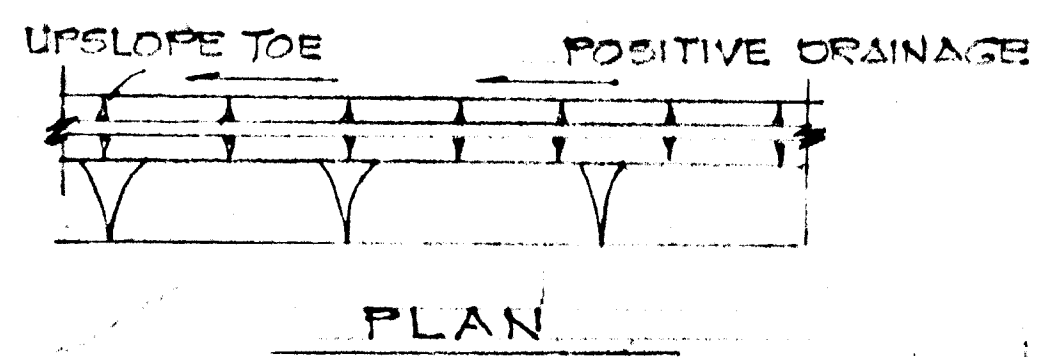
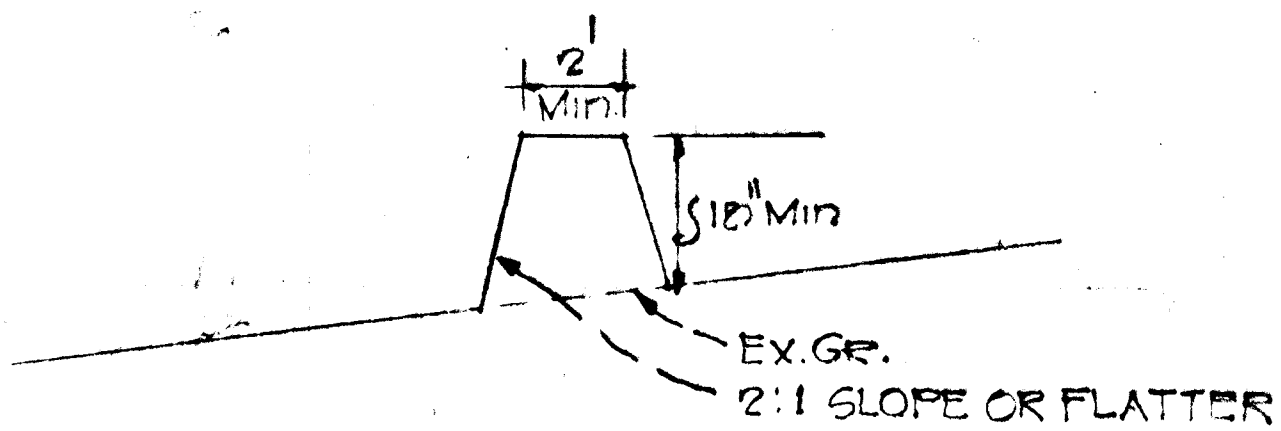
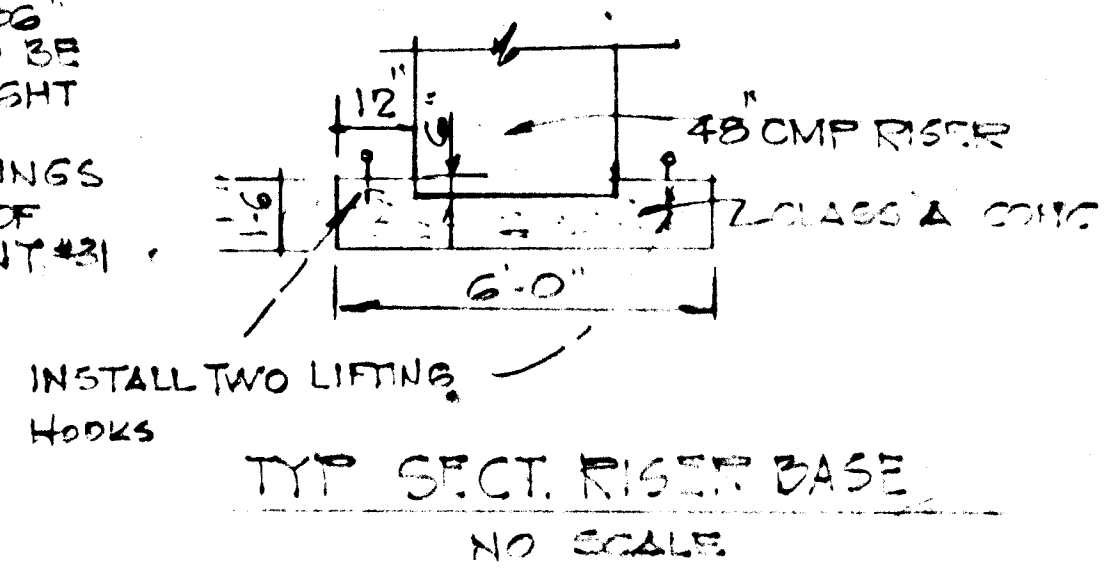
APPROVED: OFFICE OF PLANNING AND ZONING.
Arthur W. Mueselman
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE 4-1-77



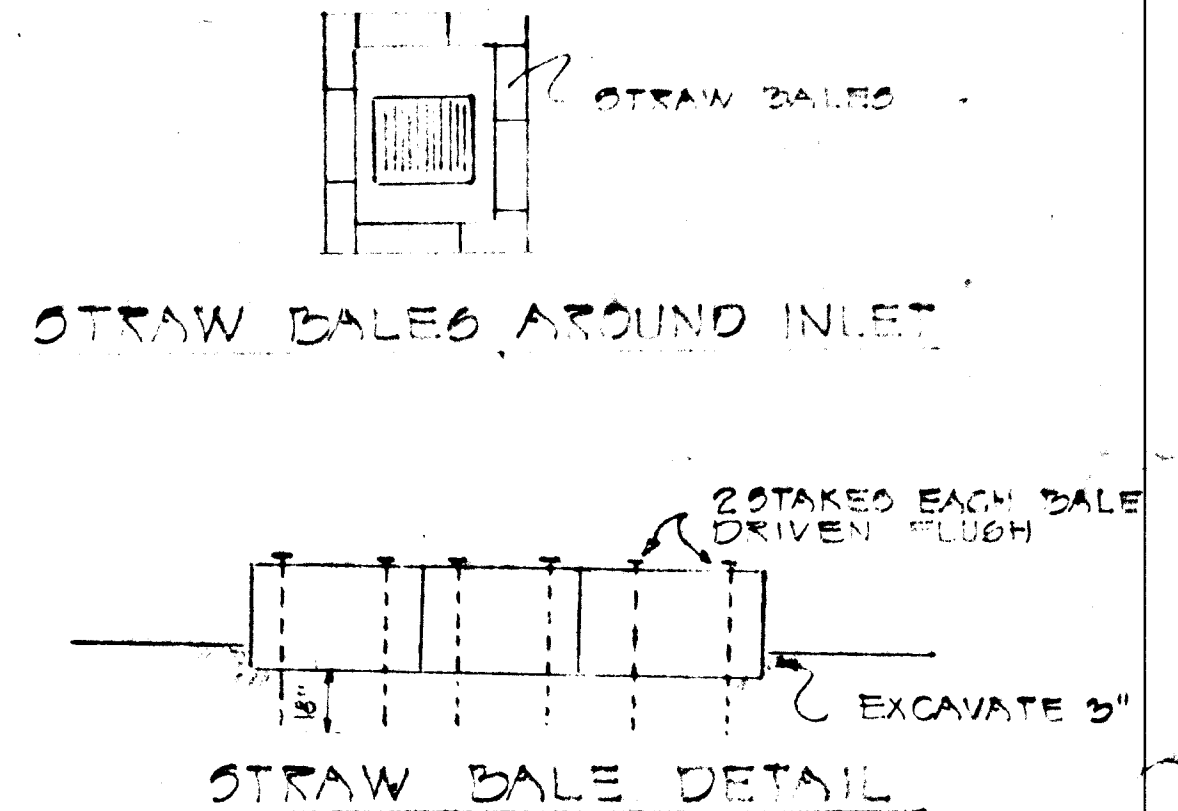
- NOTE**
1. TOP PLATE - TO BE 1/8" STEEL PLATE.
 2. OUTER SHELL - TO BE OF GALV. CHG. METAL AS THE RISER, MAY BE FORMED SHEET STEEL OR CORRUGATED STEEL.
 3. ATTACHMENT TO RISER MAY BE WELDED BUT RECOMMEND BOLTS AS SHOWN FOR MAINTENANCE REASONS.
 4. RIGERS USE 1/2" DIA. RIGERS UP TO 3/4" DIA, USE 3/4" DIA. FOR RIGERS LARGER THAN 3/4".
 5. DITCHING OUT ALL SURFACES AFTER FABRICATION AND ATTACHMENT TO THE RISER.



- NOTE:**
1. BASIN CLEANOUT EL. 88.25
 2. ALL BERTMS TO BE MACHINE IMPACTED
 3. ALL JOINTS ON 36 C.M.P. CONDUIT TO BE MADE WATER-TIGHT WITH APPROVED GASKETS & COUPLINGS
 4. TEMP. SEEDING OF BERM: 100# KENT #31 PER. AC.



EARTH BERM DETAIL
 NO SCALE



1. CONSTRUCT ALL SEDIMENT CONTROL DEVICES, SEDIMENT BASIN, BARREL AND RISER BERTMS.
2. STONE ENTRANCE, ETC. AND STABILIZE USING APPROVED SEDIMENT CONTROL MEASURES SHOWN ON THIS SHEET.
3. BEGIN STORM DRAIN CONSTRUCTION AND ROAD GRADING.
4. COMPLETE ROAD GRADING TO 6" GRADE.
5. COMPLETE STORM DRAIN CONSTRUCTION AND INSTALL CURBING.
6. REMOVE STONE ENTRANCE, ETC. TO FINISHED GRADE.
7. REMOVE ALL SEDIMENT CONTROL MEASURES AND STABILIZE ACCORDING TO NOTES ON THIS SHEET.
8. CLEANOUT BARREL TO EXISTING GRADE ELEVATIONS AND STABILIZE ACCORDING TO NOTE #10.
9. RECONSTRUCT, IF NECESSARY, 5' STORM DRAIN AFTER REMOVAL OF BASIN #1.

NOTE:
 A GRADING PERMIT MUST BE ISSUED TO BUILDER BEFORE SITE CAN BE GRADED.

SITE ANALYSIS

1. TOTAL AREA OF SITE: 17.24 ACRES
2. TOTAL AREA DISTURBED: 2.0 ACRES
3. TOTAL AREA PAVED: 0.22 ACRES

TITLE SEDIMENT CONTROL DETAILS			ENGINEERING PLANNING SURVEYING BY BOENDER ASSOCIATES INC. BALTIMORE, MD. 488-7777 WESTMINSTER, MD. 848-5598
PROJECT WAYSIDE ESTATES SEC 2			
LOCATION 3RD. DISTRICT HO.CO.MD.		DATE: 3/29/77 DES. BY: TRC. DRAWN BY: TC. CHKD. BY: Radolph May Jr. 12-21-76	
SCALE: AS SHOWN	JOB NO. 7612	DRWG. NO. 2 of 3	DATE