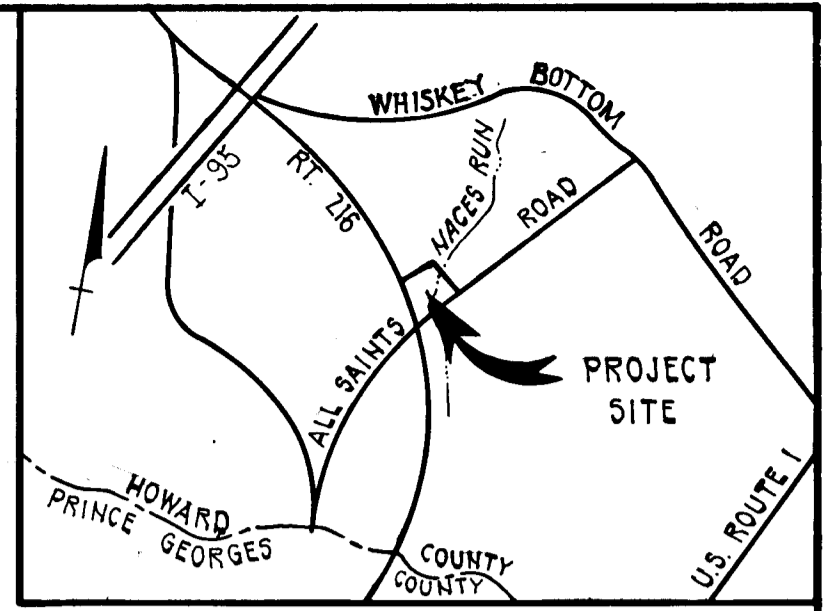


| | | | |
|-----|------|-------|-------|
| S-1 | H=2' | B=25' | T=12" |
| S-5 | H=4' | B=25' | T=22" |

NOTES:

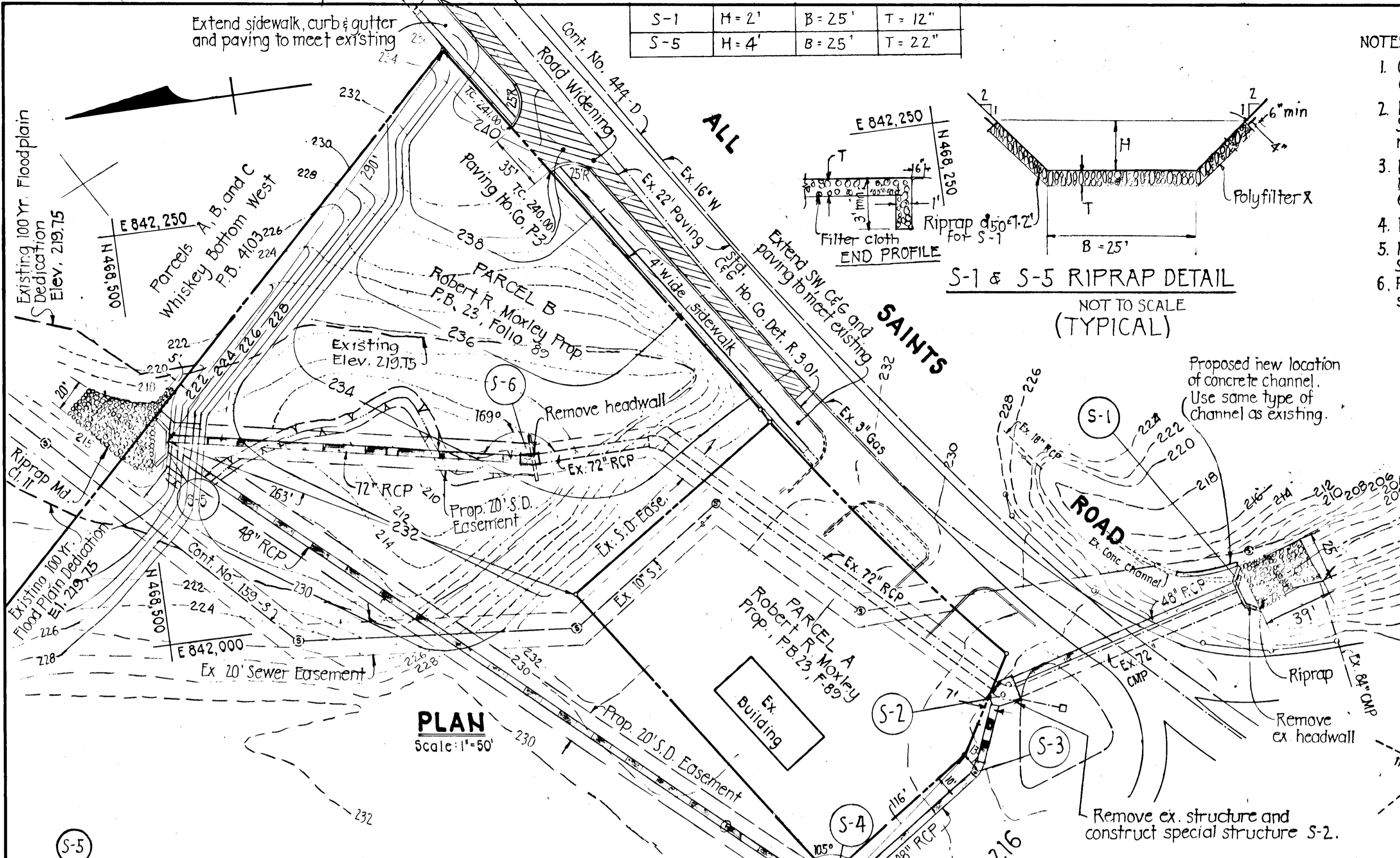
- Concrete for structures shall be Class A.
- For manhole stack, use Howard Co. Standard Detail 6.5.03 and any applicable notes on Ho. Co. Detail 6.5.01.
- Frame and cover for manhole shall be Howard Co. Standard Detail 6.5.51 and 6.5.53 for cover lettering.
- Inverts shall be brick as shown.
- Manhole steps shall be Type 2 Ho. Co. Std. Detail 6.5.21.
- Provide manhole stack to all bend structures.



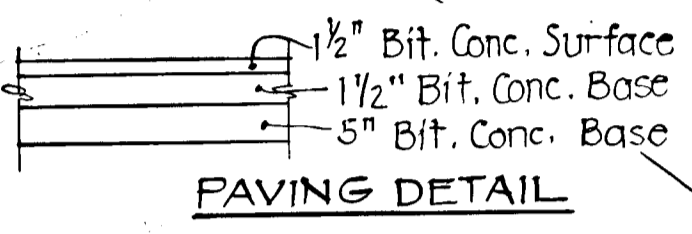
VICINITY MAP
Not to Scale

GENERAL NOTES

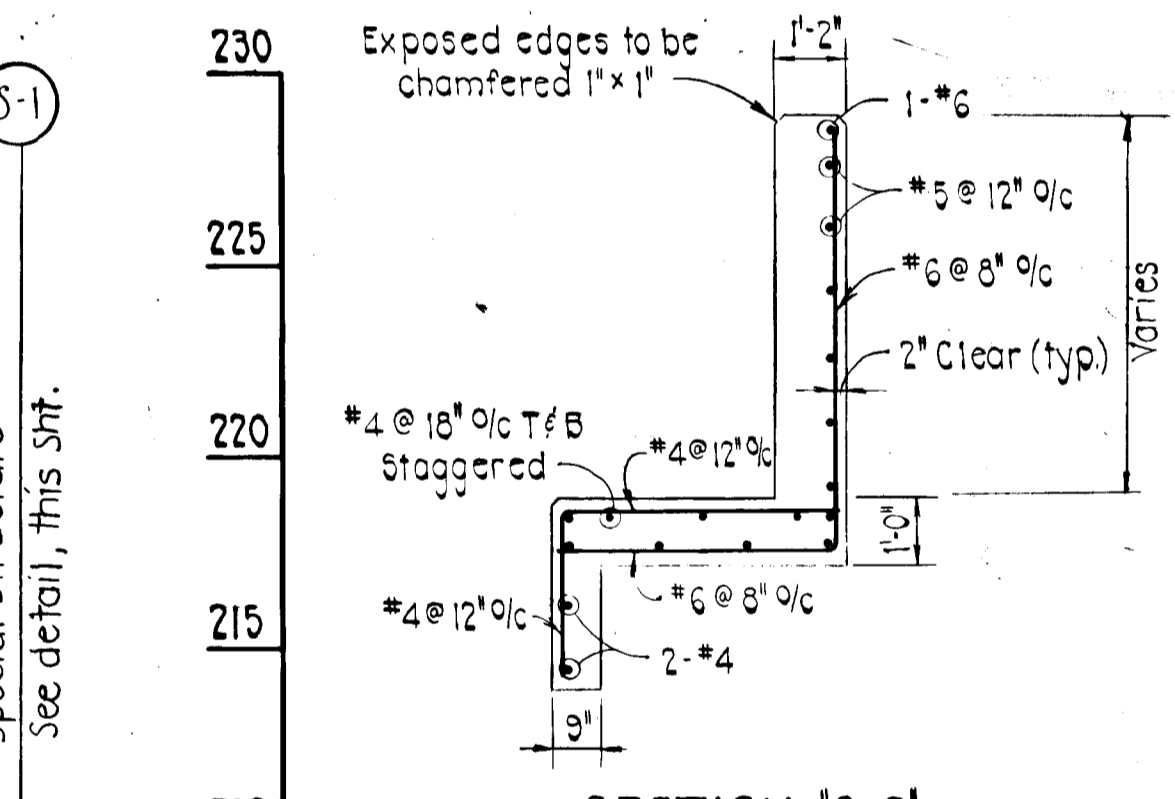
- All workmanship and materials shall be in accordance with the Howard County "Standard Specifications and Details" unless otherwise specified.
- The Contractor shall notify "Miss Utility" at three days prior to beginning any work shown hereon.
- The locations of existing utilities shown hereon are based on the latest available information. The Contractor, however, shall determine the exact location before construction.
- The Developer shall notify the Howard County Inspection and Survey Division before beginning construction.
- All R.C.P. shall be Class I and bedding shall be Class A.



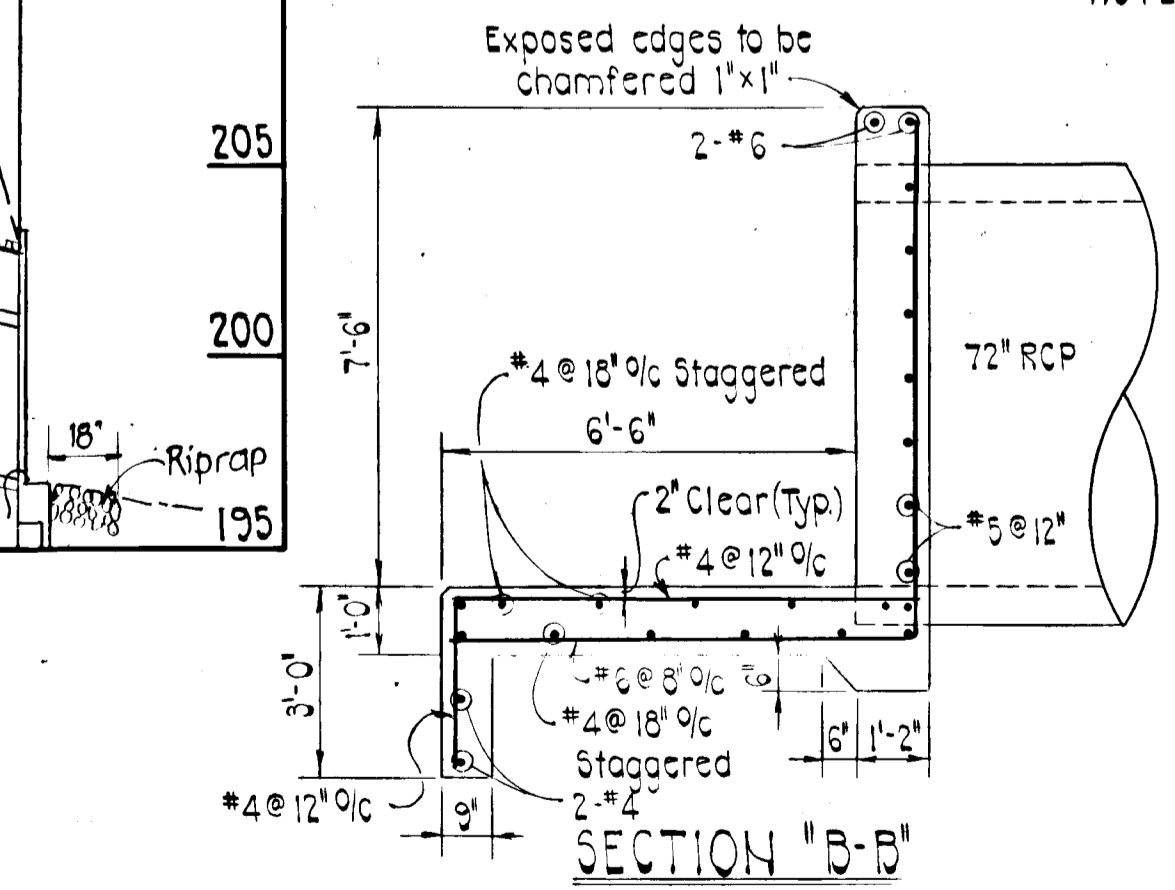
S-1 & S-5 RIPRAP DETAIL
NOT TO SCALE
(TYPICAL)



ALL SAINTS ROAD WIDENING SECTION
NO SCALE

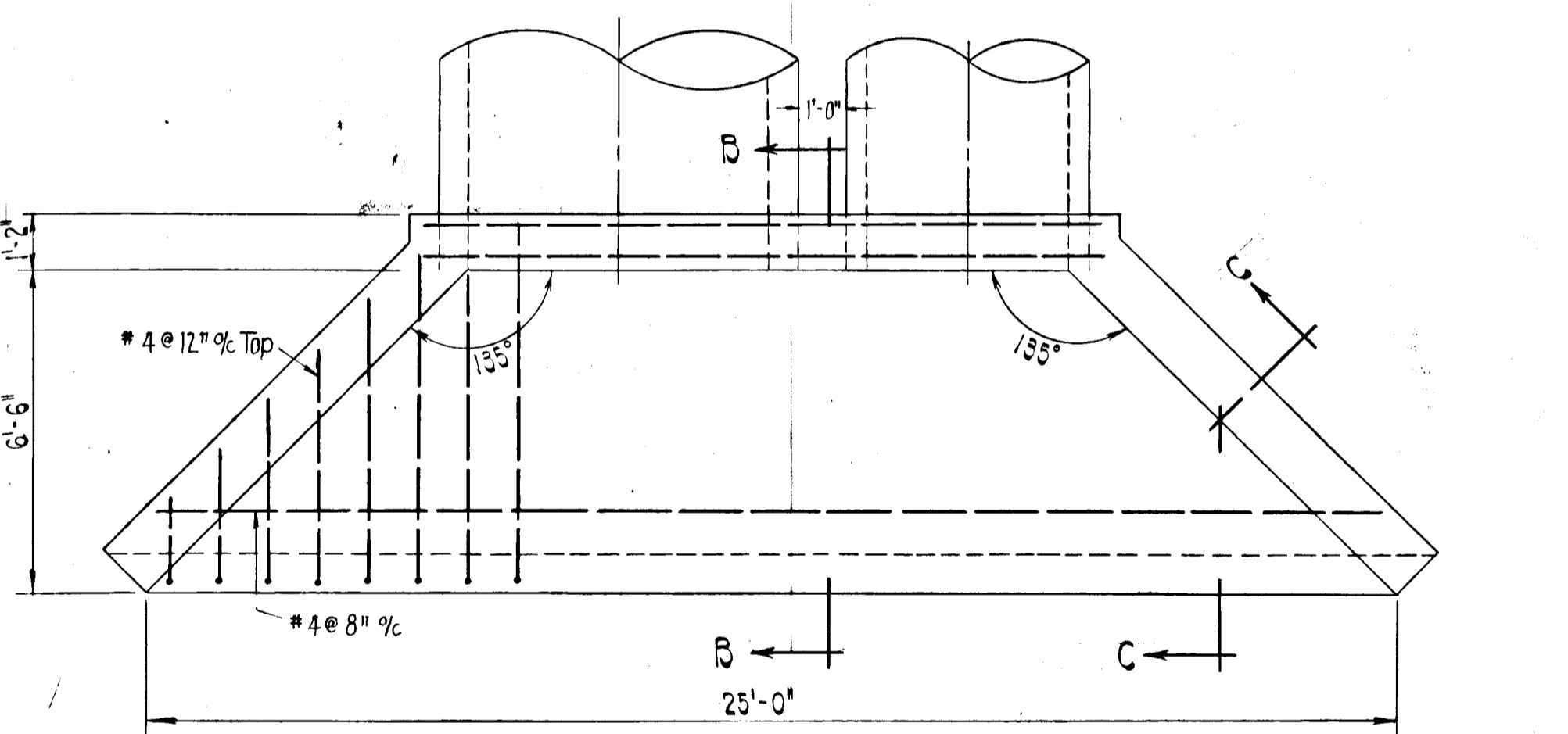


SECTION 'C-C'



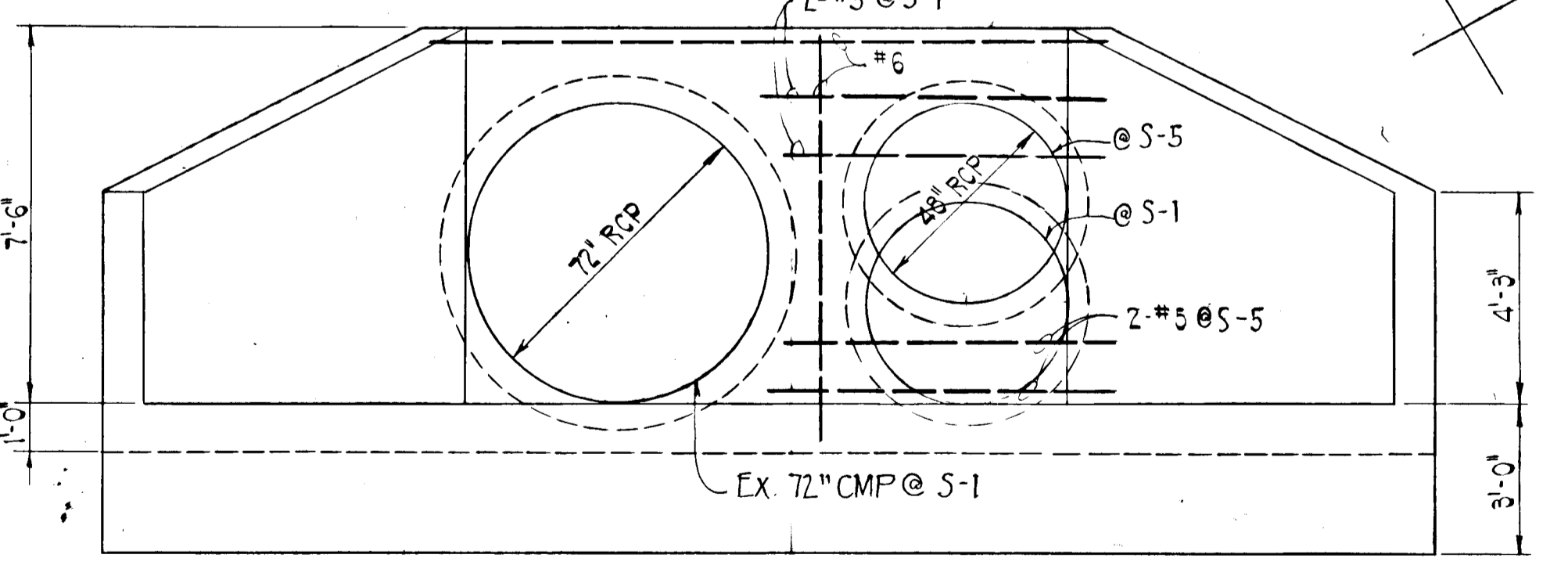
SECTION 'B-B'

STRUCTURE S-2
Scale: 1"=3'-0"



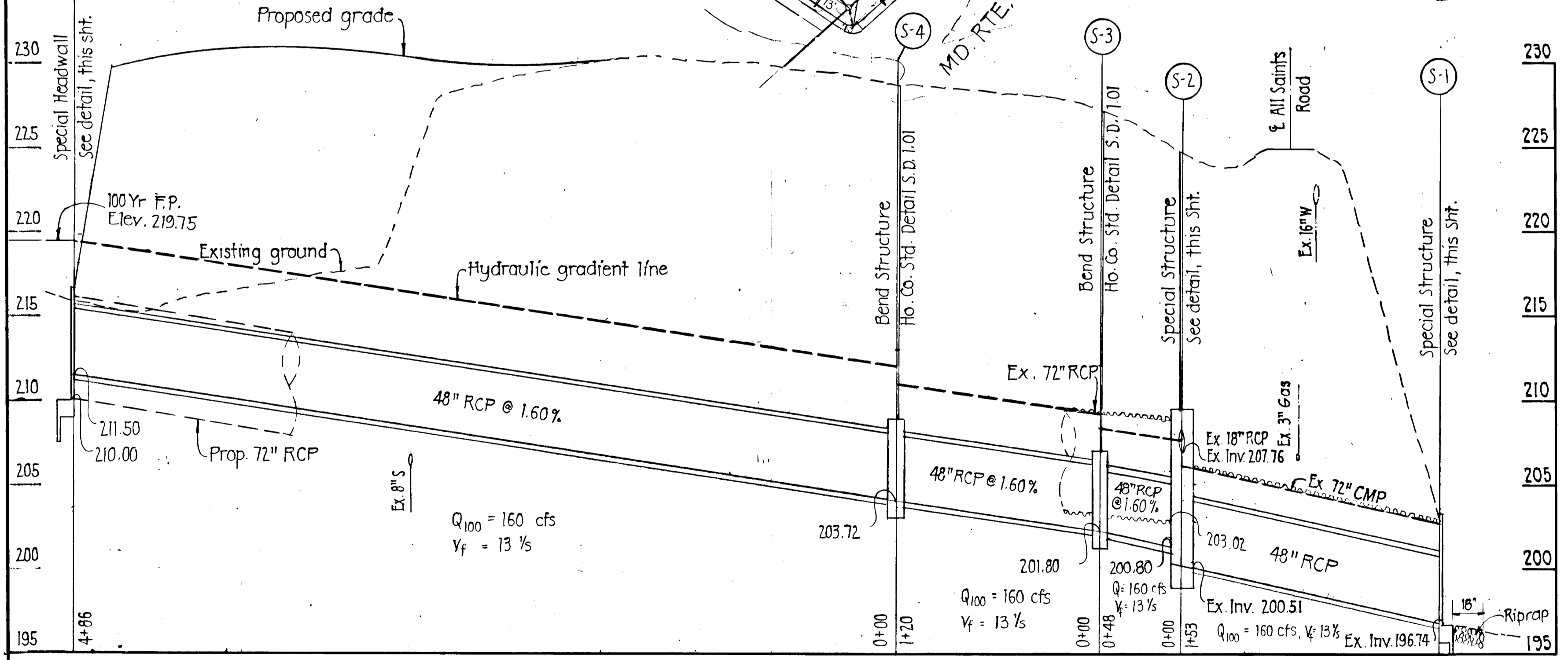
PLAN

NOTE: Contractor shall provide a 45° bevel around pipe openings on upstream headwall structure.



ELEVATION

STRUCTURES S-1 AND S-5
Scale: 1"=3'-0"



STORM DRAIN PROFILE
Scale: 1"=50' Horiz, 1"=5' Vert.

DEVELOPER

Weis Markets, Inc.
1000 S Second Street
Sunbury, Penna 17801

This development plan is approved for soil erosion and sediment control by the Howard County Soil Conservation District.

APPROVED: *Stephen L. Fisher* 9-26-84
HOWARD SOIL CONSERVATION DISTRICT DATE

Reviewed for Howard Soil Conservation District and meets technical requirements.

APPROVED: *James M. Vetter* 9-26-84
U.S. SOIL CONSERVATION DISTRICT DATE

PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS
1023 North Calvert Street
Baltimore, Maryland 21202 301/837-0194

APPROVED: Howard County Department of Public Works.
Kenneth R. Dwyer 10/12/84
CHIEF - BUREAU OF ENGINEERING DATE

APPROVED: Howard County Office of Planning and Zoning.
William M. ... 9-27-84
CHIEF - DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

DEVELOPER'S CERTIFICATION
I certify that all development and construction will be done according to this plan and any responsible personnel involved in the construction project will have a certificate of attendance at the Dept. of Natural Resources training program for the control of any sediment erosion before beginning the project.
James M. Vetter 3-22-84
DATE

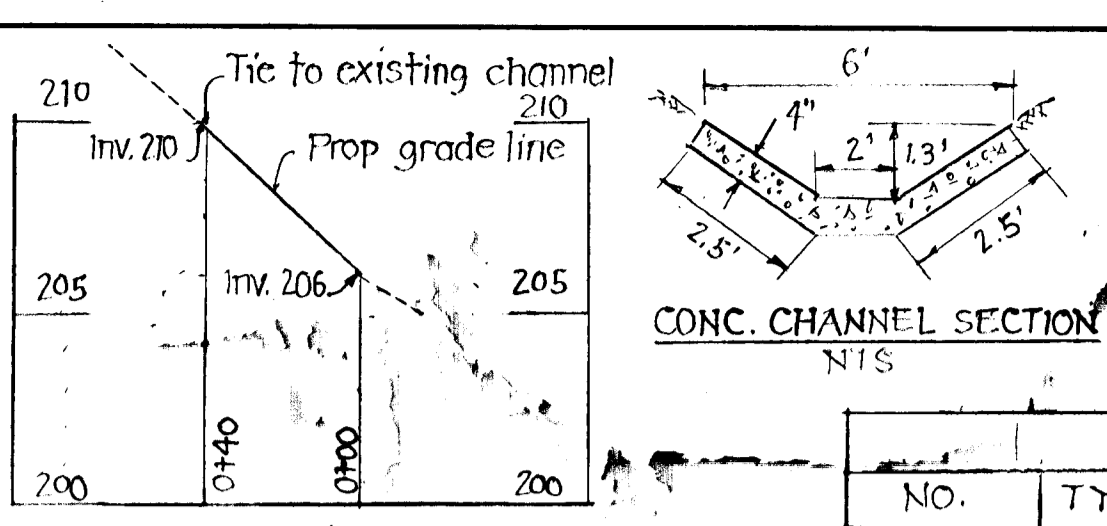
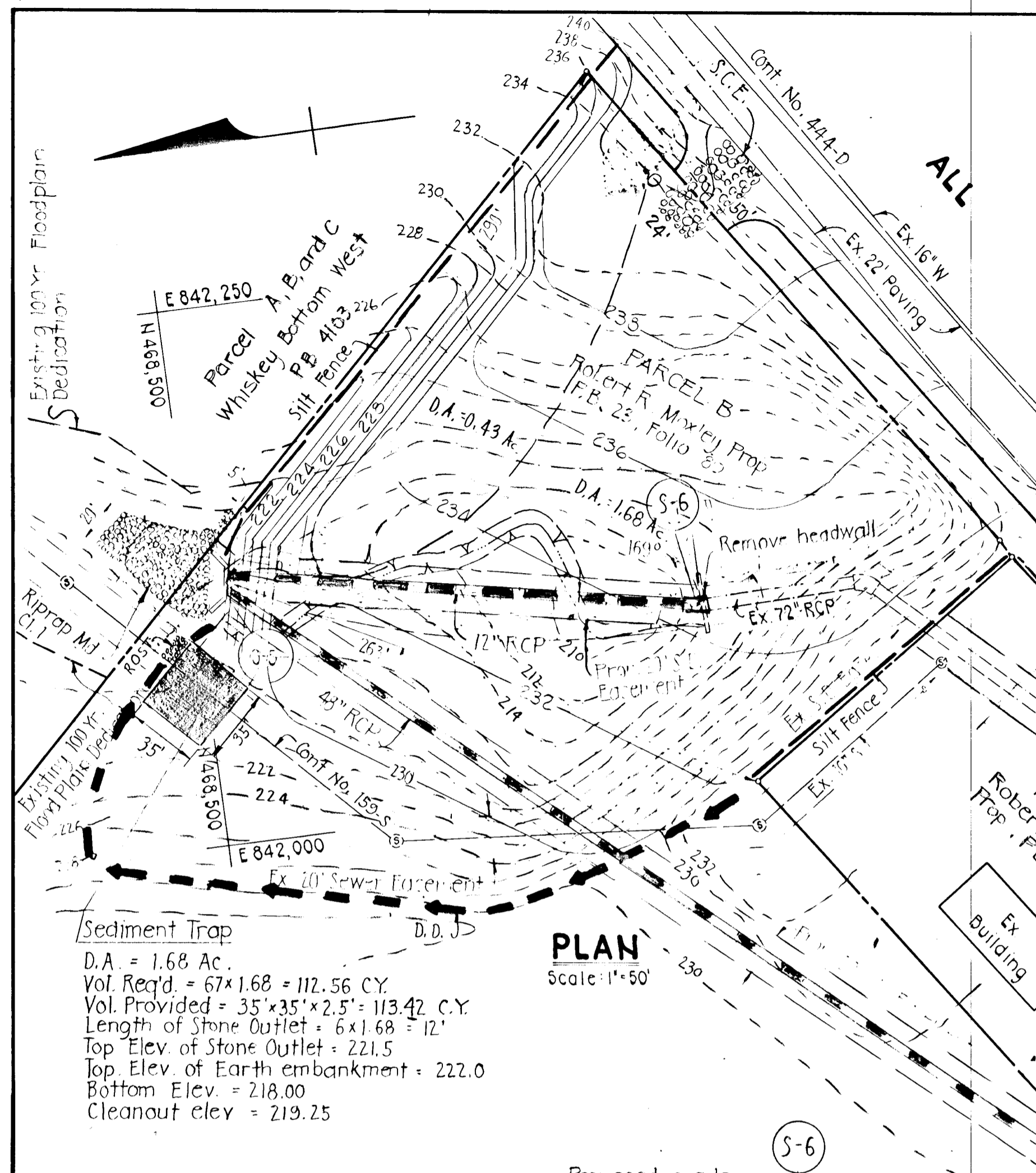
ENGINEER'S CERTIFICATION
I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
William G. Rasch II 12/29/83
WILLIAM G. RASCH II DATE

ROAD WIDENING AND STORM DRAIN PLAN, PROFILE AND DETAILS
ROBERT B. MOXLEY PROPERTY
PARCEL "I-B"
SIXTH ELECTION DISTRICT HOWARD CO., MARYLAND
SCALE: AS NOTED DEC. 29, 1983

SHEET 1 OF 2
Designed by: ATR
Drawn by: ARW
Checked by: DCE

F-84-145

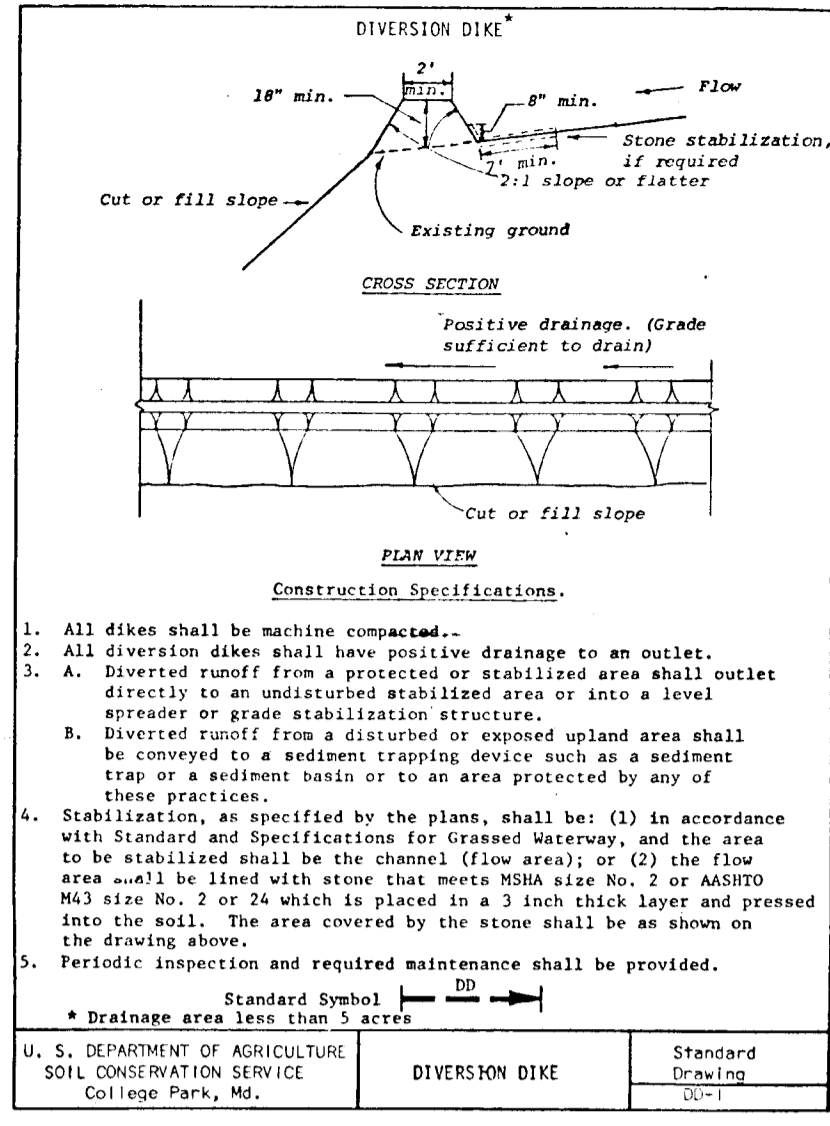
Rev. 5-18-84



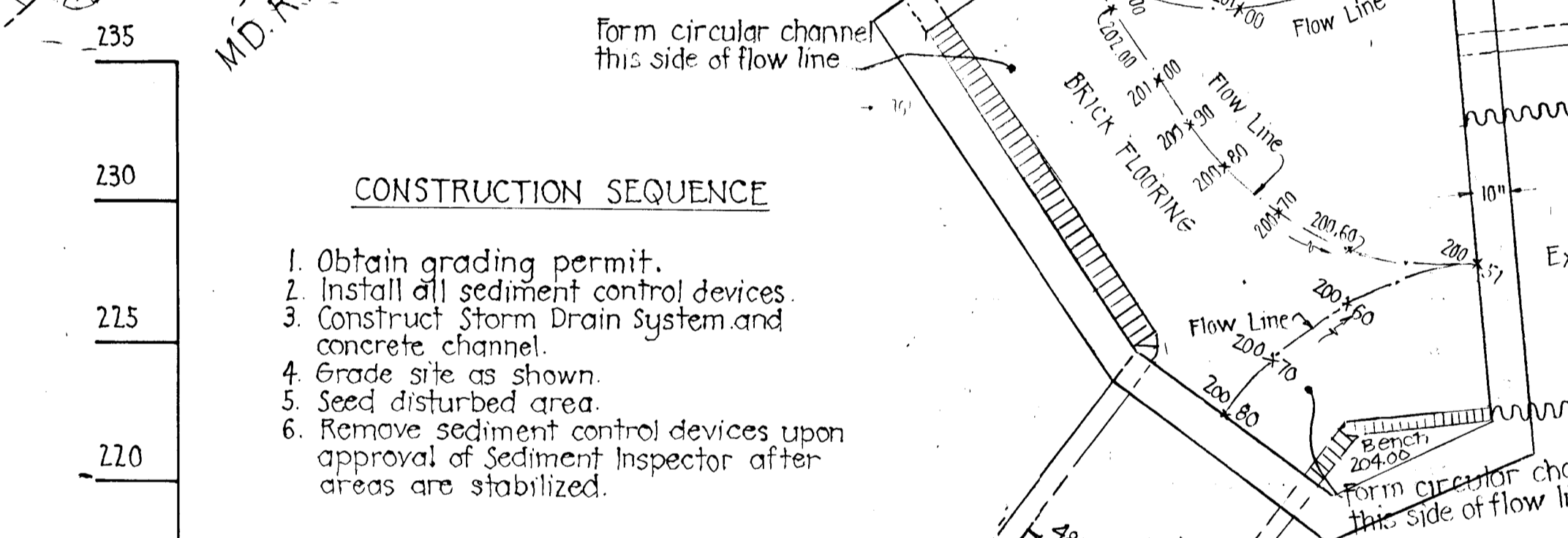
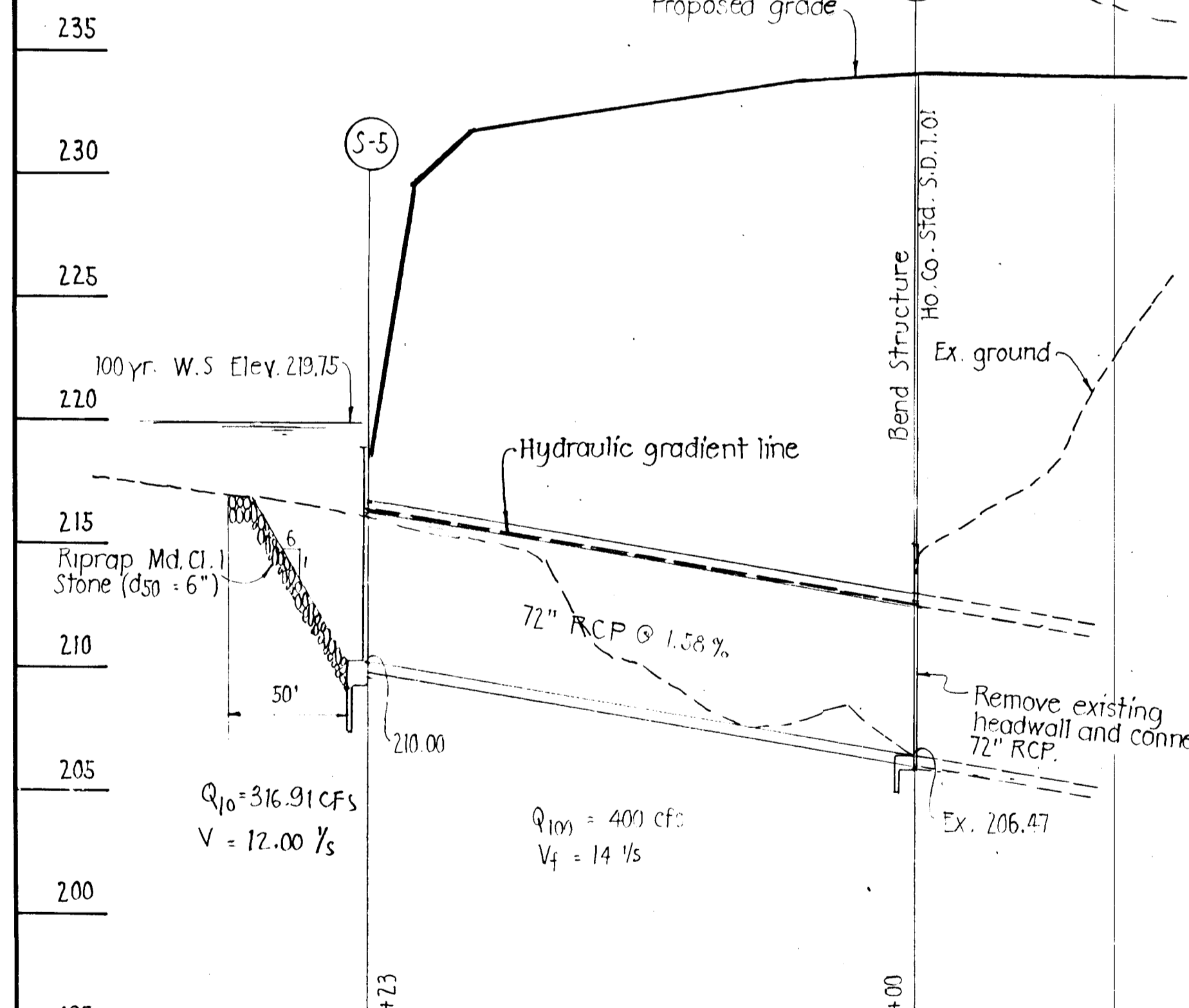
SITE ANALYSIS
 Total area to be disturbed - 3.17 Ac.
 Total area to be revegetated - 3.17 Ac.
 Total area of site - 5.48 Ac.

STRUCTURE SCHEDULE

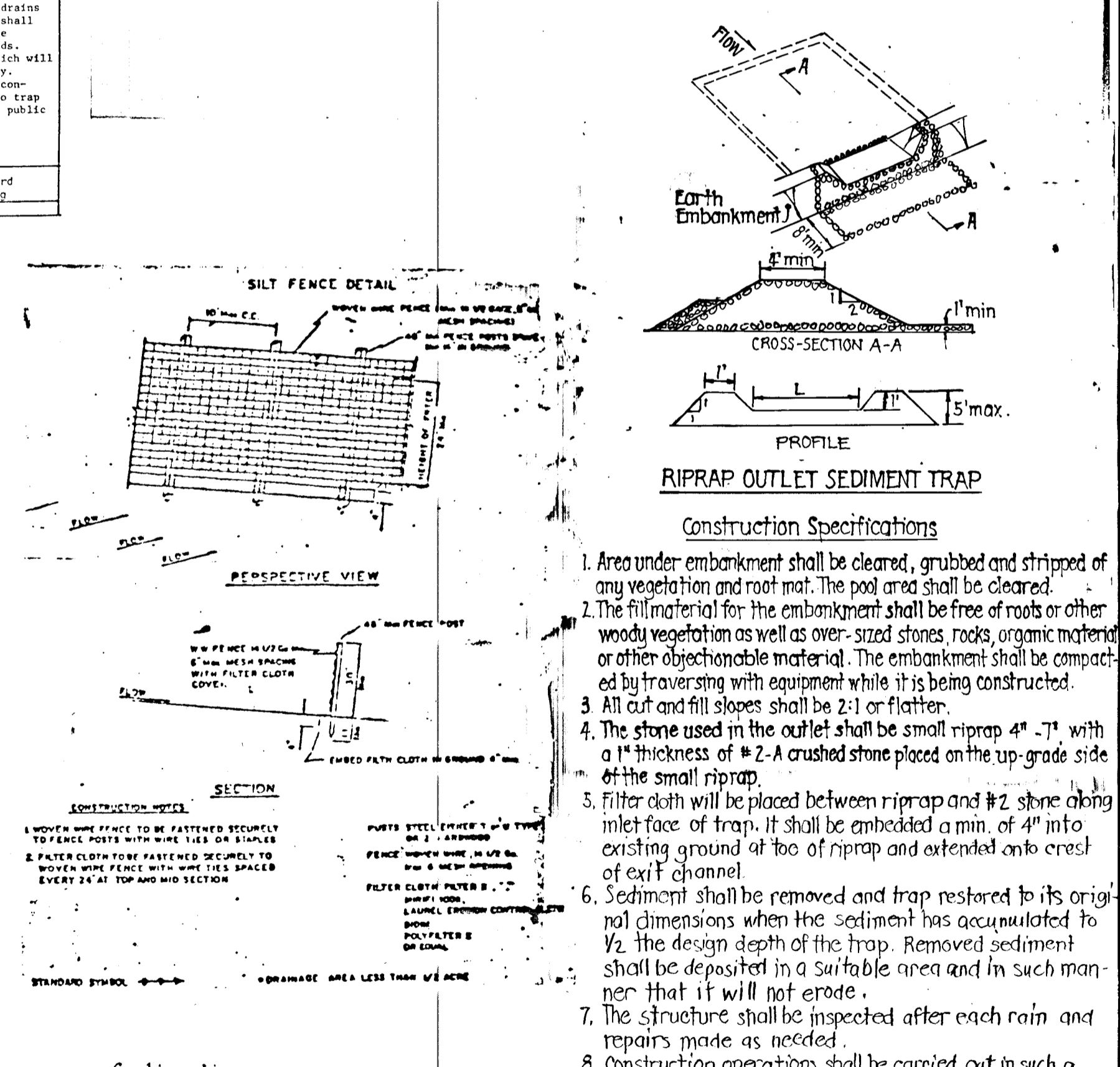
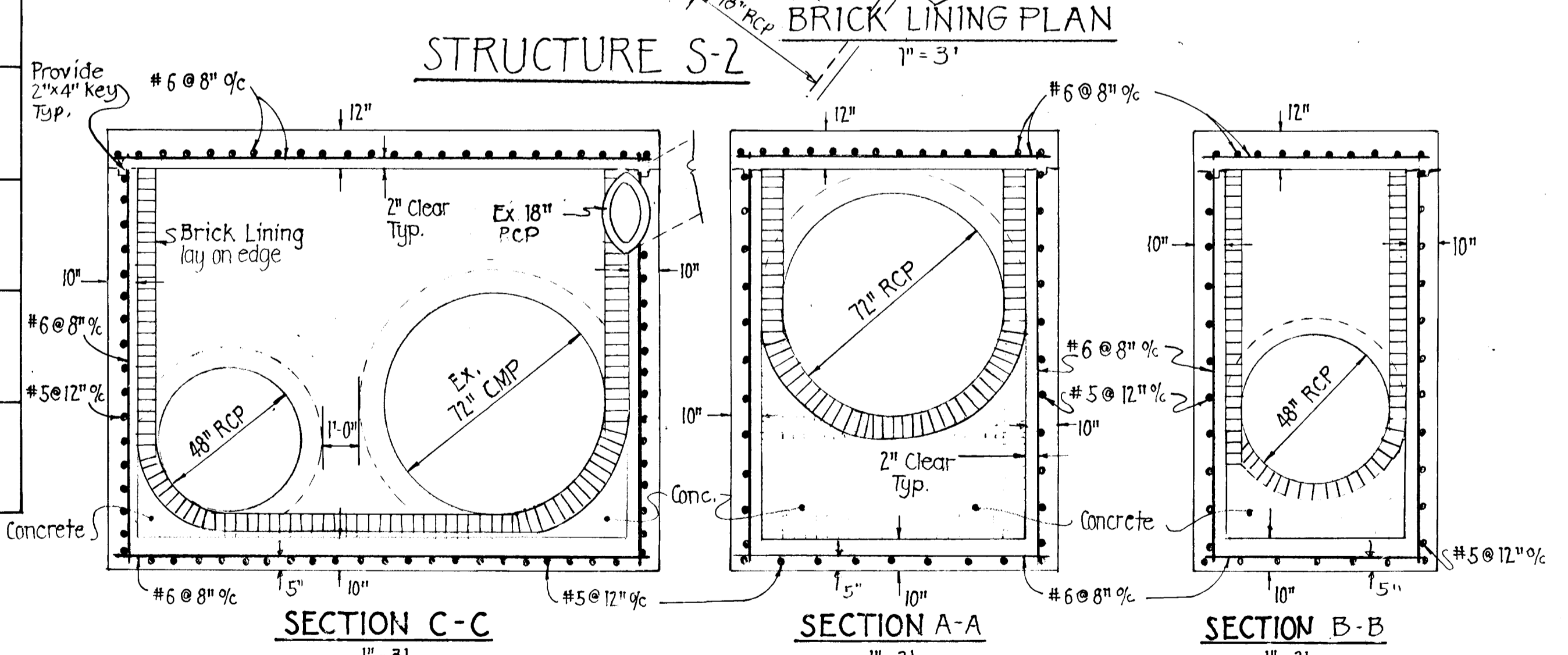
| NO. | TYPE | INV. IN | INV. OUT | TOP ELEV. | REMARKS |
|-----|----------|------------|------------|-----------|----------------------|
| S-1 | HEADWALL | EX. 196.74 | - | 204.24 | SEE PLAN |
| S-2 | BEND | 203.02 | EX. 200.51 | 226.00 | SEE PLAN |
| S-3 | BEND | 201.80 | 201.80 | 226.20 | HO. CO. DET. S.D.101 |
| S-4 | BEND | 203.72 | 203.72 | 229.00 | HO. CO. DET. S.D.101 |
| S-5 | HEADWALL | 210.00 | - | 217.50 | SEE PLAN |
| S-6 | BEND | 206.47 | 206.47 | 234.00 | HO. CO. DET. S.D.101 |



- SEDIMENT CONTROL NOTES**
- Specifications for the Sediment Control Details shown hereon are included in the U.S.D.A. Soil Conservation Service "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas."
 - The contractor or developer shall contact the Construction Inspection/Survey Division 24 hours in advance of commencement of work at 992-2417 or 992-2418.
 - All sediment control structures to remain in place until permission for their removal has been obtained from the Howard County Office of Inspection and Permits (992-2435 or 992-2436).
 - All graded areas shall be stabilized in accordance with the following requirements:
 - Site Preparation:
 - Harrow or disk the areas to be seeded with the following materials at the specified rate to a depth of 3":
 - Pulverized limestone at 1-1/2 tons/acre.
 - Commercial fertilizer 10-10-10 at 3/4 tons/acre.
 - Super phosphate at 600 lbs./acre.
 - Seeding:
 - Sow the following seed mixture at the specified rate with a mechanical spreader:
 - Temporary - Italian or Perennial Ryegrass (1 lb./1000 sq.ft.)
 - Permanent - (Slopes flatter than 3:1) - Common Kentucky Bluegrass 40%, Monon Bluegrass 40%, Red Fescue 20% (3 lb./1000 sq.ft.) (Slopes steeper than 3:1) - Ground Cover
 - The seeded area shall be raked with a York Rake (minimum of 2 passes), covered and compacted with a cultipacker or other approved method.
 - Mulching:
 - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1-1/4 to 2 tons/acre.
 - Tie mulch down with liquid asphalt at 0.1 gal./sq.yd. or emulsified asphalt at 0.06 gal./sq.yd.
 - Sodding:
 - Apply 10-10-10 fertilizer at 1000 lbs./acre (25 lbs./1000 sq.ft.).
 - Apply ground agricultural limestone at 2000 lbs./acre (50 lbs./1000 sq.ft.).
 - Incorporate both lime and fertilizer into soil by disking. Firm up after incorporation.
 - Lay sod to a tight fit. Roll to insure contact with underlying soil. Water as necessary for first two weeks (in summer) to ensure establishment.
 - Ground Cover:
 - Crown vetch (annoculated) at 15 lbs./acre, and Kentucky 31 Tall Fescue (certified) at 40 lbs./acre (2:1 maximum slope).
 - The contractor shall place plywood braced with sand bags at the inlet end of unfinished drain pipes at the end of each work day.
 - All stockpiles shall be protected with straw bale dikes, silt fences, or other approved sediment control devices.



- CONSTRUCTION SEQUENCE**
- Obtain grading permit.
 - Install all sediment control devices.
 - Construct Storm Drain System and concrete channel.
 - Grade site as shown.
 - Seed disturbed area.
 - Remove sediment control devices upon approval of Sediment Inspector after areas are stabilized.



DEVELOPER
 Weis Markets, Inc.
 1000 S. Second St.
 Sunbury, Penna. 17801

This development plan is approved for soil erosion and sediment control by the Howard County Soil Conservation District. Reviewed for Howard Soil Conservation District and meets technical requirements. APPROVED: Stephen L. Huhn, HOWARD SOIL CONSERVATION DISTRICT, DATE 9-26-84. APPROVED: Susan M. Nelson, U.S. SOIL CONSERVATION DISTRICT, DATE 9-26-84.

PURDUM & JESCHKE CONSULTING ENGINEERS LAND SURVEYORS
 1023 North Calvert Street, Baltimore, Maryland 21202, 301/837-0194

APPROVED: Howard County Department of Public Works, DATE 10/10/84. APPROVED: Howard County Office of Planning and Zoning, DATE 9/27/84. DEVELOPER'S CERTIFICATION: I certify that all development and construction will be done according to this plan and any responsible personnel involved in the construction project will have a certificate of attendance at the Dept. of Natural Resources training program for the control of any sediment erosion before beginning the project. DATE 3-22-84. 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 site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District. DATE 12/29/83.

EROSION AND SEDIMENT CONTROL PLAN AND STORM DRAIN PROFILE AND DETAIL
 ROBERT B. MOXLEY PROPERTY PARCEL "I-B"
 SIXTH ELECTION DISTRICT HOWARD CO., MARYLAND DFC. 29, 1983

SHEET 7 OF 2
 Designed by: ATR
 Drawn by: ARW
 Checked by: BCE