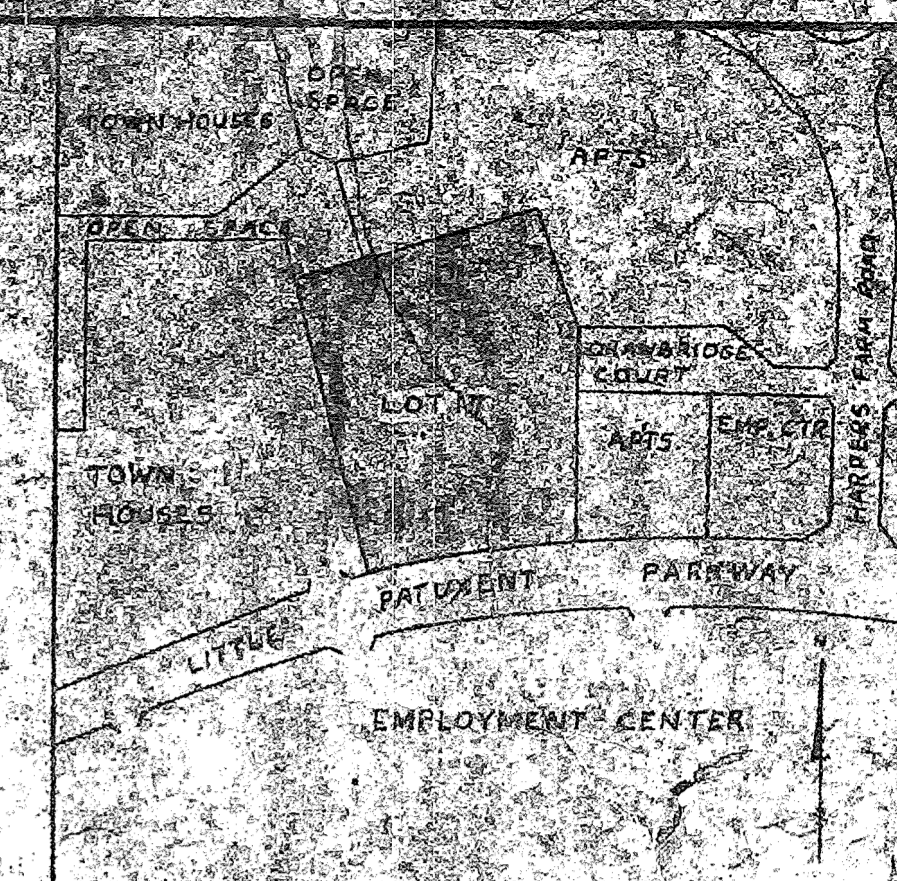
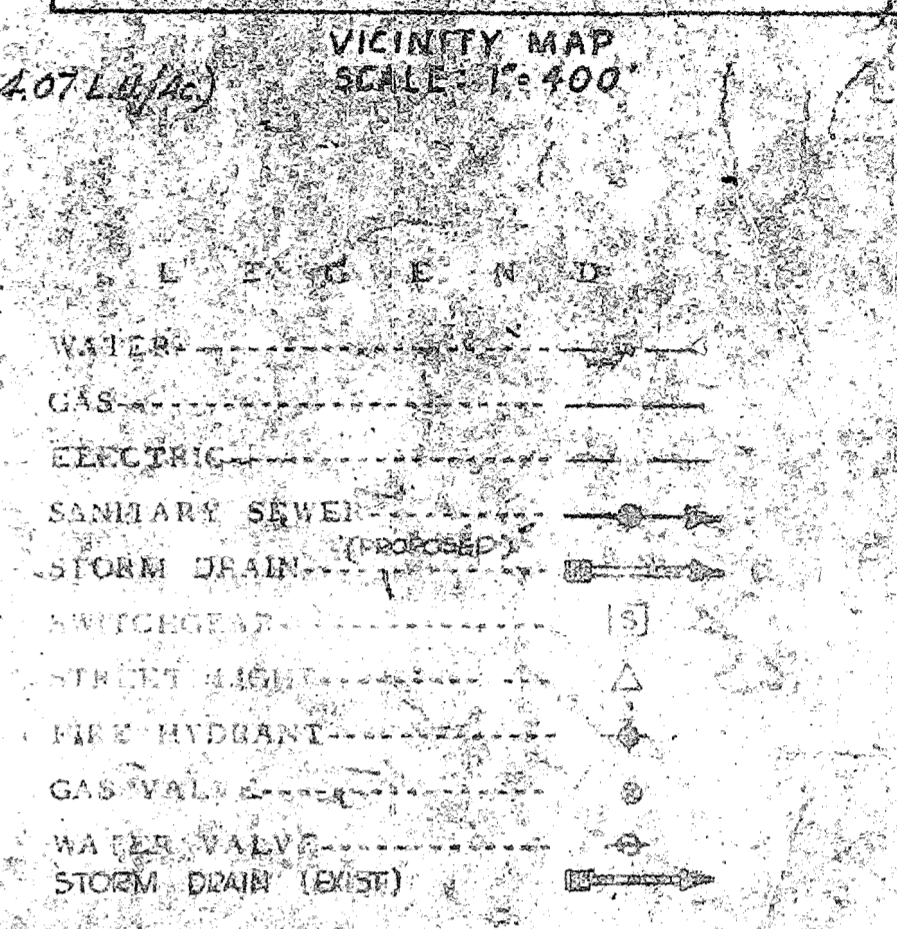


- GENERAL NOTES**
- SITE ANALYSIS**
1. AREA OF SITE 7334 AC.
 2. PRESENT ZONING APARTMENTS
 3. ALL SLOPES AND DISTURBED EARTH TO BE SODDED OR SEEDED.
 4. ALL DRIVES AND PARKING AREAS TO BE PRIVATELY OWNED, CONSTRUCTED, & MAINTAINED.
- UNIT COUNT**
5. NUMBER OF APARTMENTS PERMITTED 111
 6. NUMBER OF APARTMENTS PROPOSED 104 (407 LU/AC)
 - a. TYPE A- 2BR 44 (740 sf. net)
 - b. TYPE B- 1BR 42 (600 sf. net)
 - c. TYPE C- 2BR+D 3 (870 sf. net)
 - d. TYPE D- 1BR+D 5 (782 sf. net)



7. TOTAL BUILDING AREA 29,106 SF
8. BUILDING COVERAGE 3.94%
9. NUMBER OF PARKING SPACES REQD. 156
10. NUMBER OF PARKING SPACES PROPOSED 156
NOTE: 10,400 PARKING SPACE INCLUDING 5' BETWEEN SIDE WALKS
11. VEHICULAR INGRESS AND EGRESS TO L.P.P. IS 25'
- LEGEND**
- Mushroom Light
 - Trash Enclosure
 - Transformer (See detail below)



GENERAL NOTES

1. TOPO TAKEN FROM BASE MAPS PREPARED FEBRUARY, 1965 BY MAPS INC. AND 1" SCALE OF 40' FIELD VERIFICATION.
2. UTILITIES SHOWN ARE THOSE CLOSEST TO THE SITE AS OF THE DATE OF THIS SURVEY. IN CASES WHERE UTILITIES ARE NOT SHOWN NO PRELIMINARY OR FINAL PLANS HAVE BEEN PREPARED.
3. THIS SURVEY SUBJECT TO REVISION AS MORE UP-TO-DATE INFORMATION IS AVAILABLE.

Note: For Profile of Storm Drain See Dwg. No. C-1-a

APPROVED
 DIVISION CHIEF
 HOWARD COUNTY
 DATE JUN 17 1970

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE DATA SHOWN HEREON IS TAKEN FROM THE MOST UP-TO-DATE INFORMATION AVAILABLE AND, TO THE BEST OF MY KNOWLEDGE, IS CORRECT.

DATE 6-17-70

FOR REV #4 ONLY

DFI
 ENGINEERS SURVEYORS PLANNERS
 CONSTRUCTION MANAGERS
 157 BUSINESS PARK
 1127 BENFIELD BLVD. SUITE K
 MILLERSVILLE, MD 21108
 WWW.DFIENGINEERING.COM
 443-308-2100 FAX 443-308-2108



PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 12282, EXPIRATION DATE: 10-19-20

PURPOSE NOTE:
 THE PURPOSE OF THIS REVISION IS TO CONSTRUCT A NEW MAINTENANCE BUILDING.

NOTE:
 THE MAINTENANCE BUILDING IS 920SF & IS EXEMPT FROM PROVIDING STORMWATER MANAGEMENT ANY FUTURE INCREASE IN IMPERVIOUS AREA EXCEEDING A CUMULATIVE 6000SF SHALL MEET CURRENT STORMWATER MANAGEMENT REQUIREMENTS FOR THE CUMULATIVE INCREASE.

DATE	REVISION
2/2018	REV. #4 TO ADD MAINTENANCE BUILDING
11/2021	CHANGE OF DRIVEWAY

TYPICAL TRANSFORMER INSTALLATION
 No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER DATE

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

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
 PLANNING DIRECTOR DATE

THE ENGINEER, DIVISION OF LAND DEVELOPMENT, DATE

SITE DEVELOPMENT PLAN

1-23-70	3	Storm Drain Layout
12-5-69	2	Per County Comments
12-5-69	1	Original

Rev Date / Rev No / Revision Description

COLUMBIA
 REAL ESTATE LANDS

THE ROUSE COMPANY
 THE VILLAGE OF HARPER'S CHOICE, BALTIMORE, MARYLAND 21113

PROJECT AREA: VILLAGE OF HARPER'S CHOICE SECTION 3 AREA 2 LOT 17

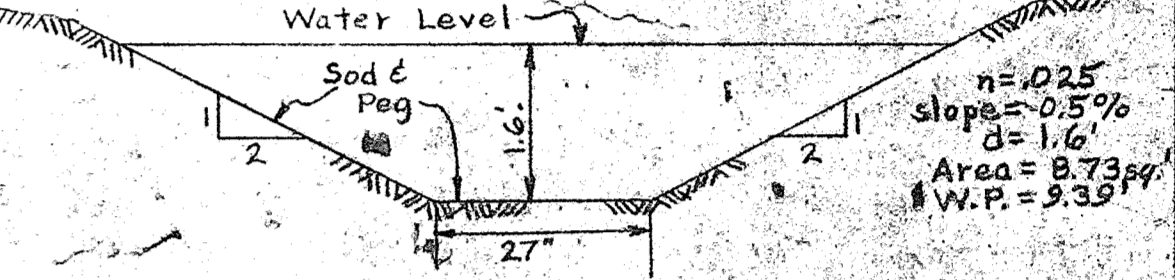
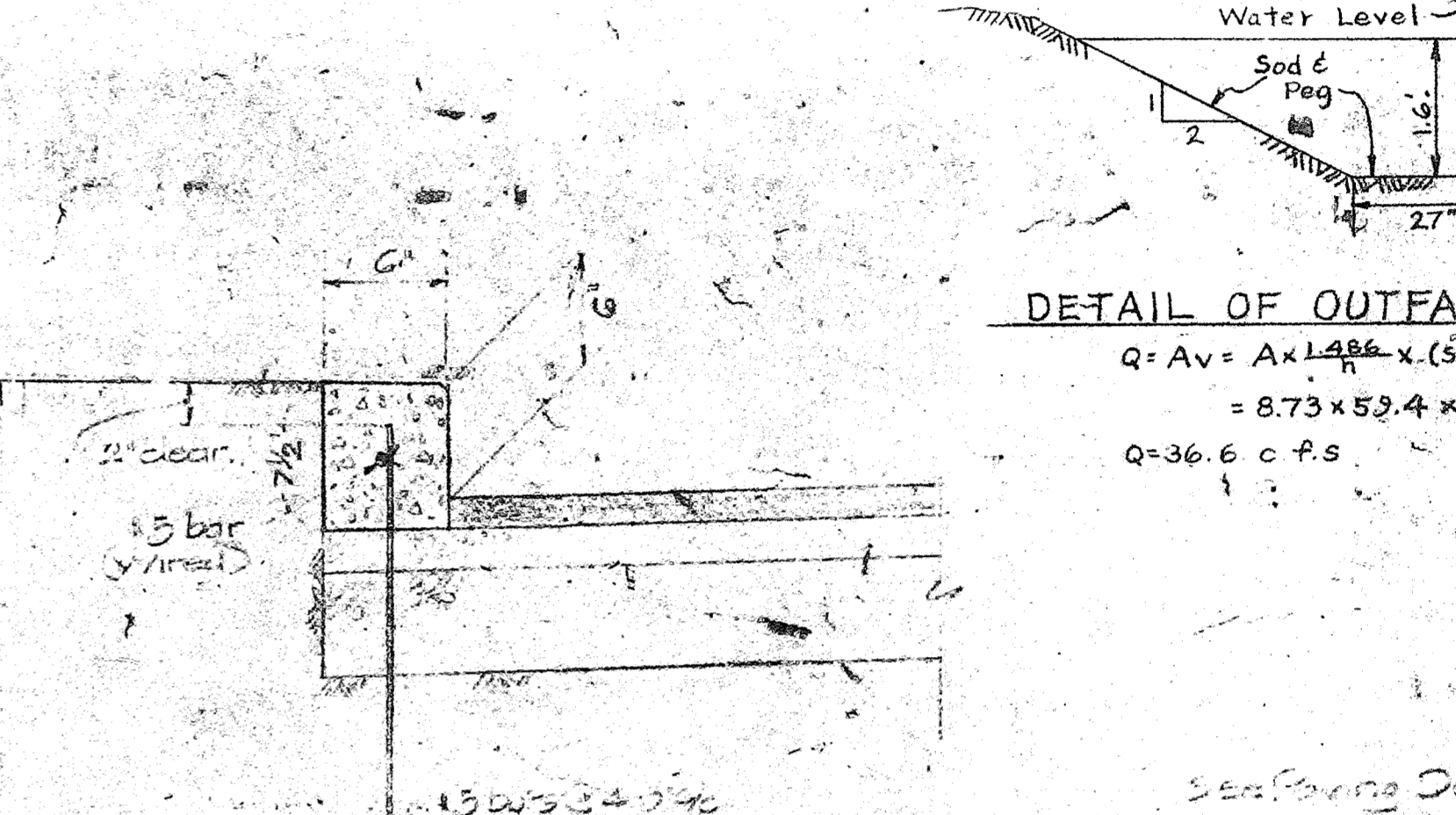
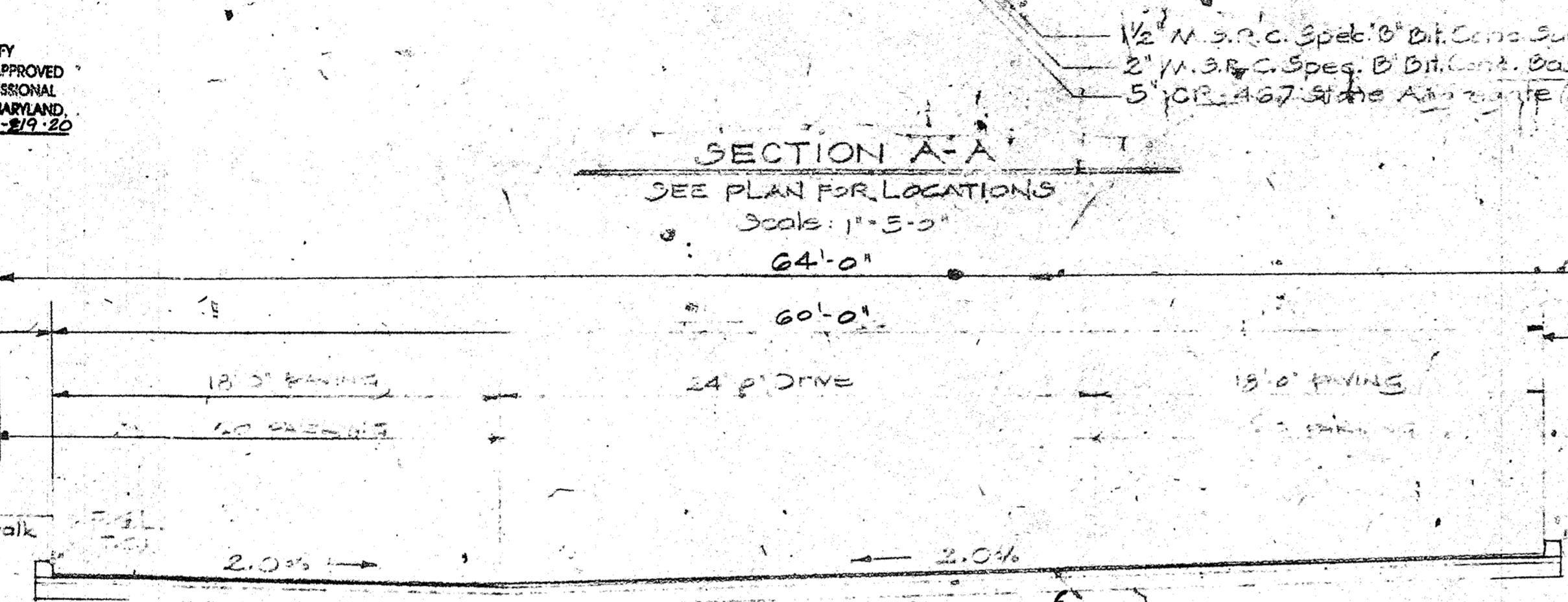
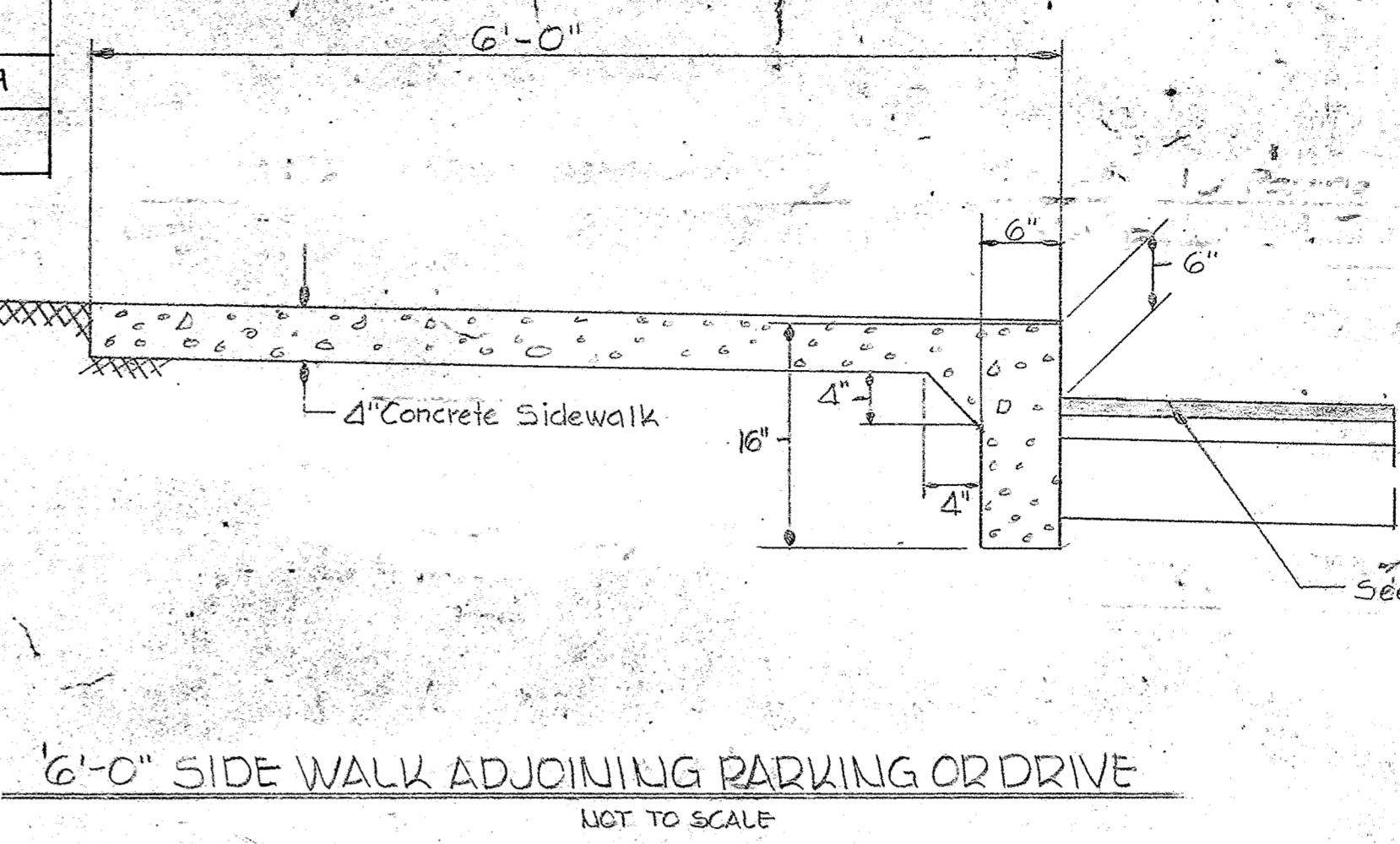
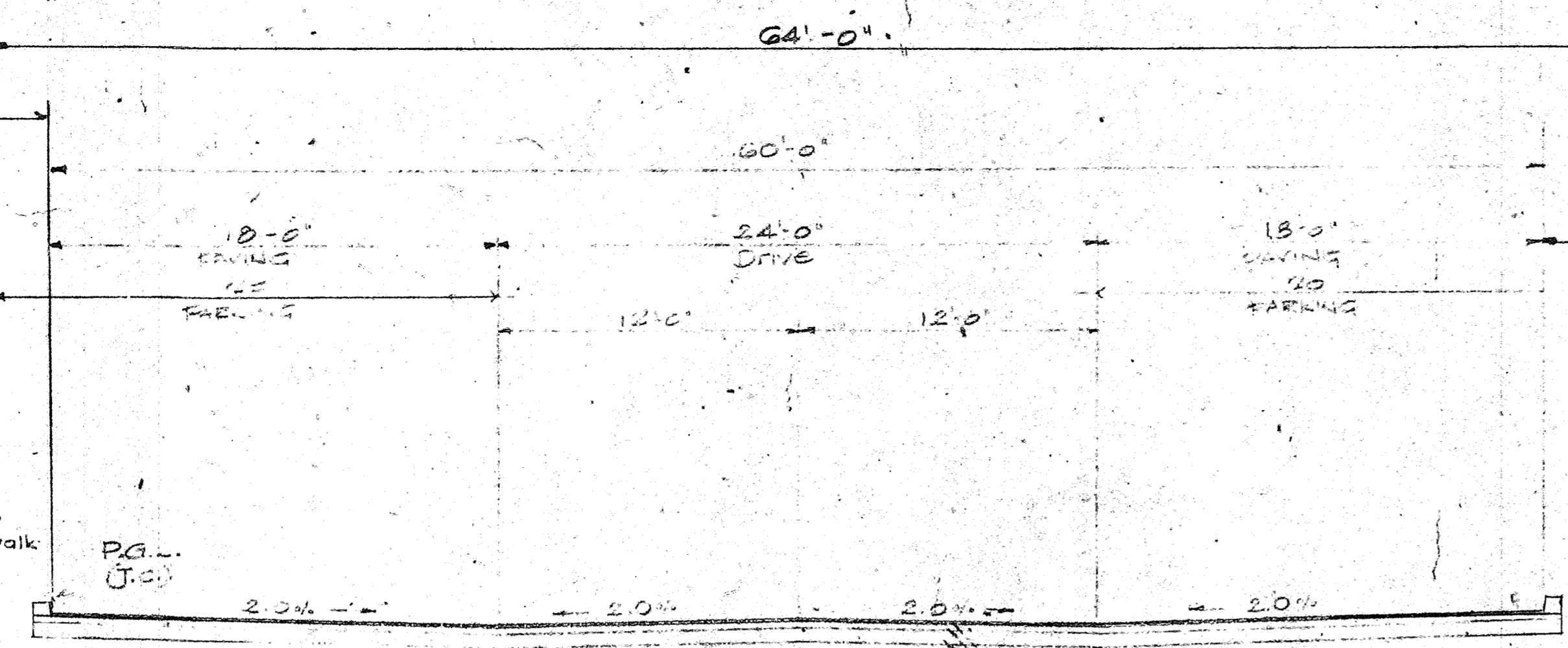
PROJECT TITLE: TILBURY - Phase I

Prep By: P.B.S. Date: 12-5-69
 Drawn By: J.V.P. Date: 12-5-69
 Check By: P.B.S. Date: 12-5-69

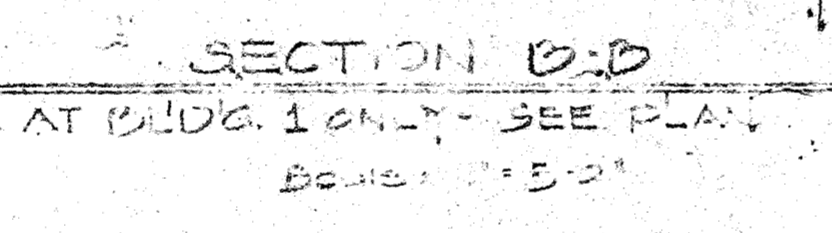
DATE	REVISION
2/2018	REV #4 TO ADD MAINTENANCE BUILDING

FOR RED LINE REV # 4 ONLY
DFI ENGINEERS-SURVEYORS-PLANNERS
 CONSTRUCTION MANAGERS
 147 BUSINESS PARK
 1127 BENFIELD BLVD, SUITE K
 MILLSVILLE, MD 21108
 WWW.DFIENGINEERING.COM
 443-308-2100 FAX 443-308-2108

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 18882, EXPIRATION DATE: 10-31-20

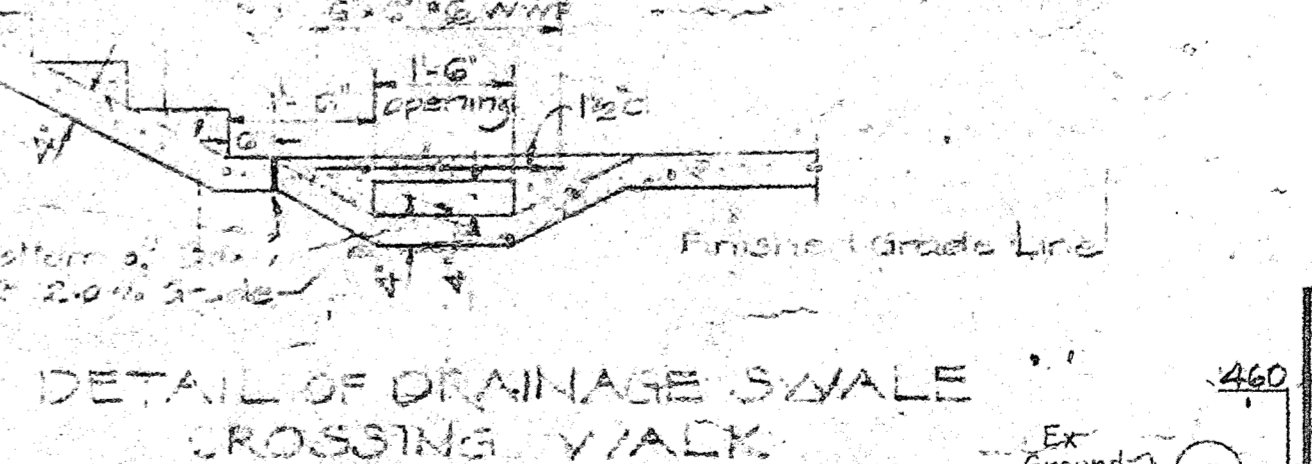
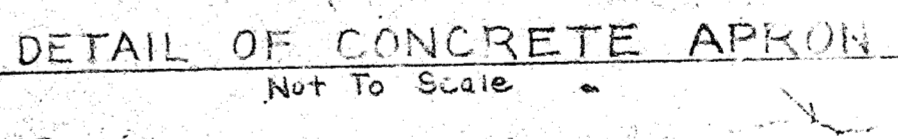
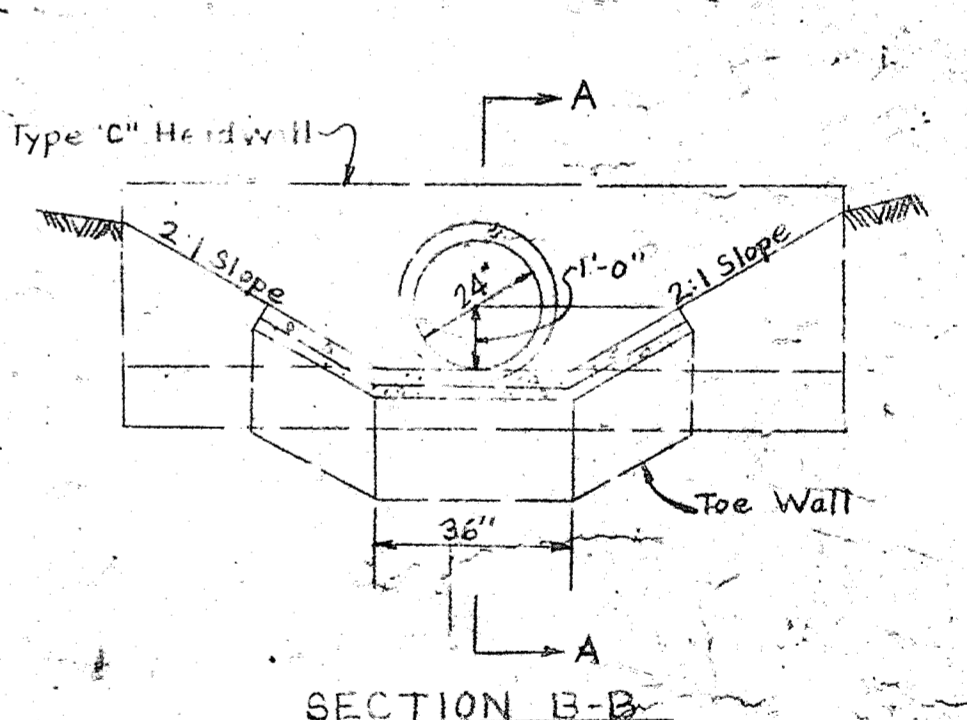
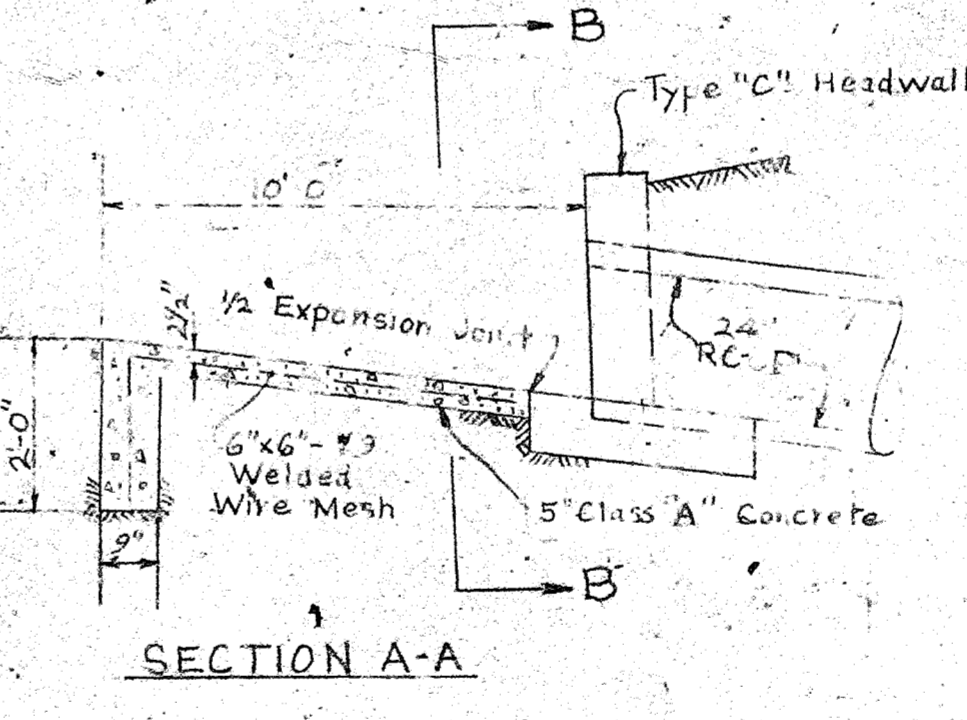


DETAIL OF OUTFALL CHANNEL
 $Q = Av = A \times L \times \frac{1.486}{n} \times (S)^{2/3} \times (A_p)^{2/3}$
 $= 8.73 \times 53.4 \times 0.074 \times 0.9528$
 $Q = 36.6 \text{ c.f.s.}$



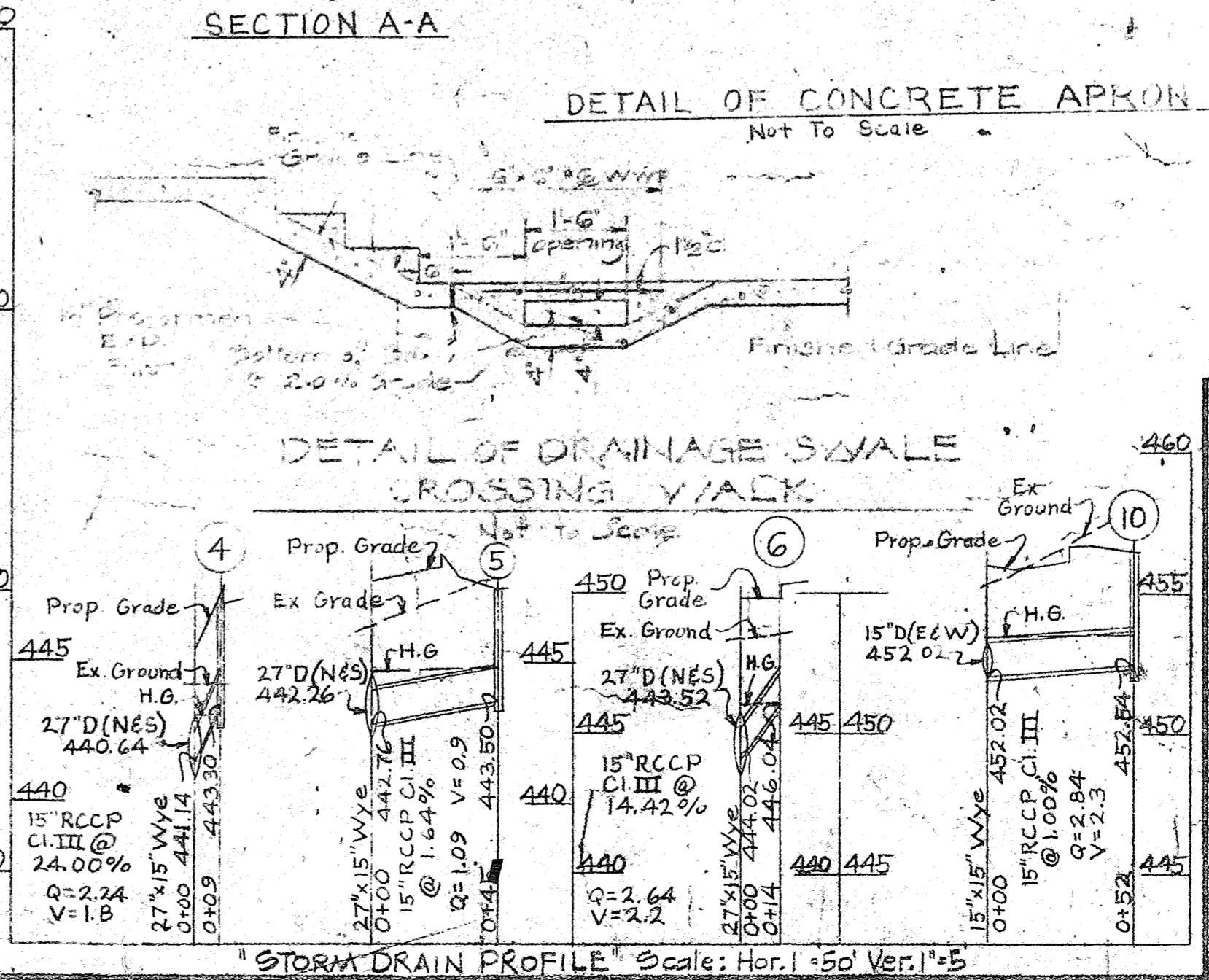
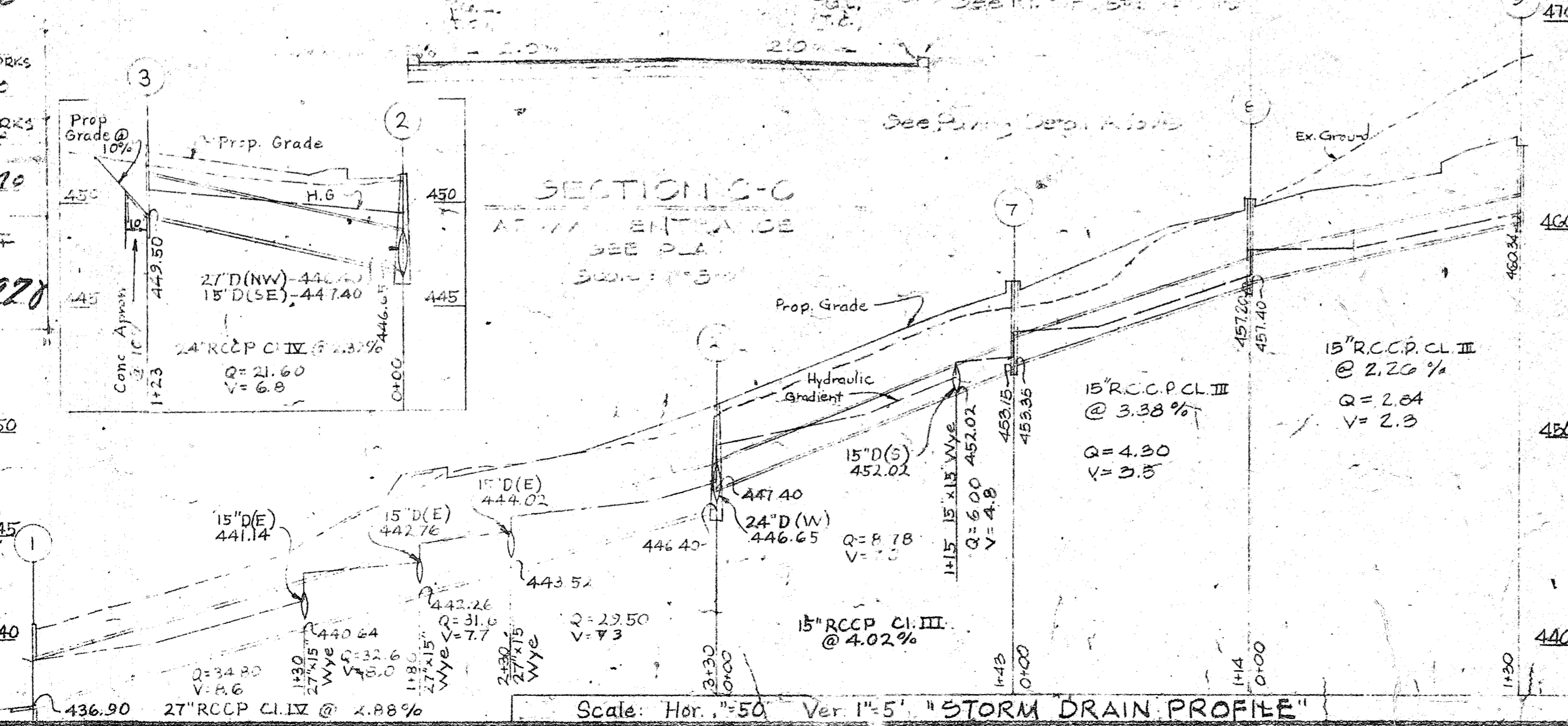
STRUCTURE SCHEDULE

No.	TYPE	TOPELEV.	REMARKS
1	Type 'C' Easwall		Std. Dwg. C-30
2	Manhole	431.4	Std. Dwg. D-103
3	Type 'C' Easwall		Std. Dwg. D-52
4	18" Inlet	417.50	Std. Dwg. D-79
5	6" Inlet	417.50	Std. Dwg. D-92
6	5" Comb	417.50	Std. Dwg. D-99
7	5" Comb	417.50	Std. Dwg. D-99
8	5" Comb	421.40	Std. Dwg. D-99
9	5" Comb	464.50	Std. Dwg. D-99
10	18" S' Grate	456.60	Std. Dwg. D-102



APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 11/17/2017
 THOMAS J. HARRIS

PROFILE OF OUTFALL CHANNEL
 SCALE: HORIZ. 1"=50' VERT. 1"=5'
 APPROVED: HOWARD COUNTY PLANNING BOARD
 THOMAS J. HARRIS 2-10-70
 APPROVED: HOWARD COUNTY PLANNING BOARD
 THOMAS J. HARRIS 2-9-70
 APPROVED: HOWARD COUNTY DEPT. OF PUBLIC WORKS
 THOMAS J. HARRIS 2-5-70
 APPROVED: HOWARD COUNTY DEPT. OF PUBLIC WORKS
 THOMAS J. HARRIS 2-5-70
 APPROVED: HOWARD COUNTY HEALTH DEPARTMENT
 THOMAS J. HARRIS 7/29/97



1-22-70 2 Storm Dr. Profiles & Apron Detail
 12-9-69 1 Per County Comments

Rev Date	Rev No	Revision Description
1-22-70	2	Storm Dr. Profiles & Apron Detail
12-9-69	1	Per County Comments

COLUMBIA
 MARYLAND
 OWNER AND DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT CORP.
 THE VILLAGE OF CROSS KEYS, BALTIMORE, MARYLAND, 21204

PROJECT AREA
 VILLAGE OF HARPER'S CHOICE
 SECTION 5 AREA 2 LOT 17

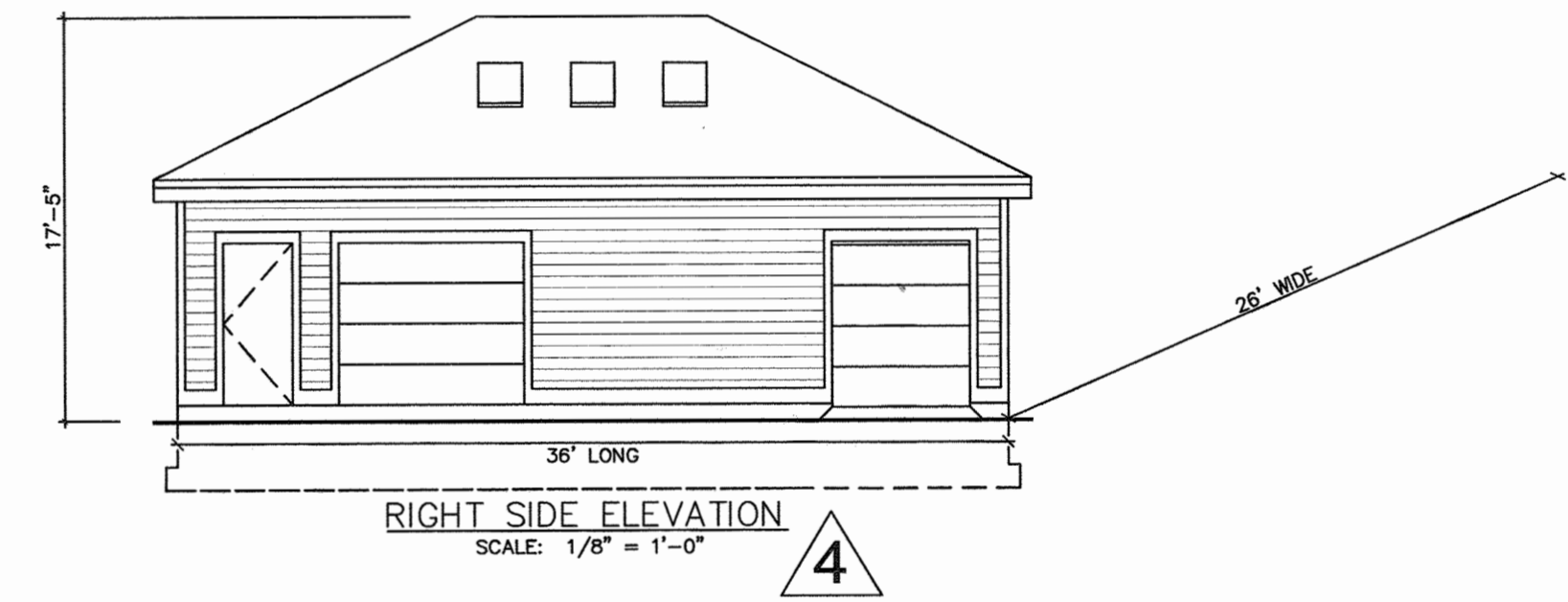
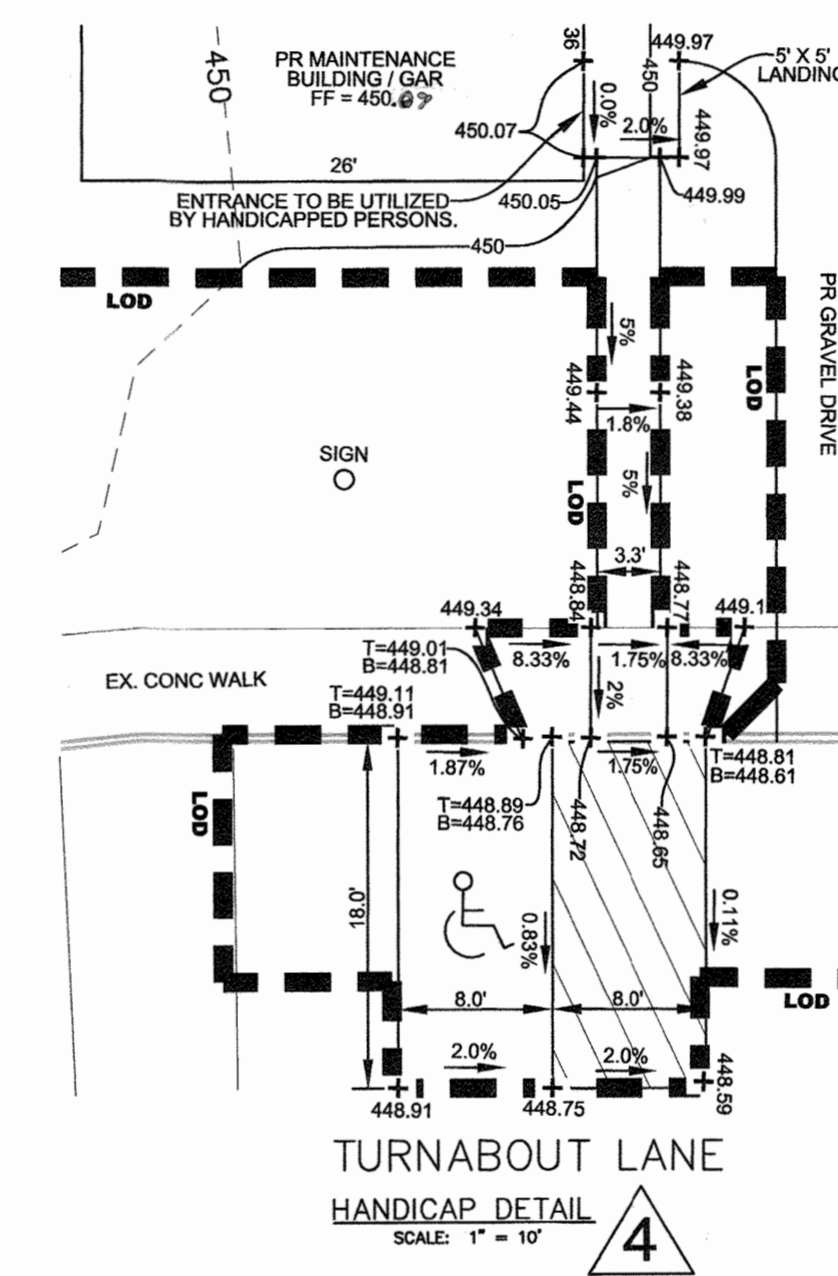
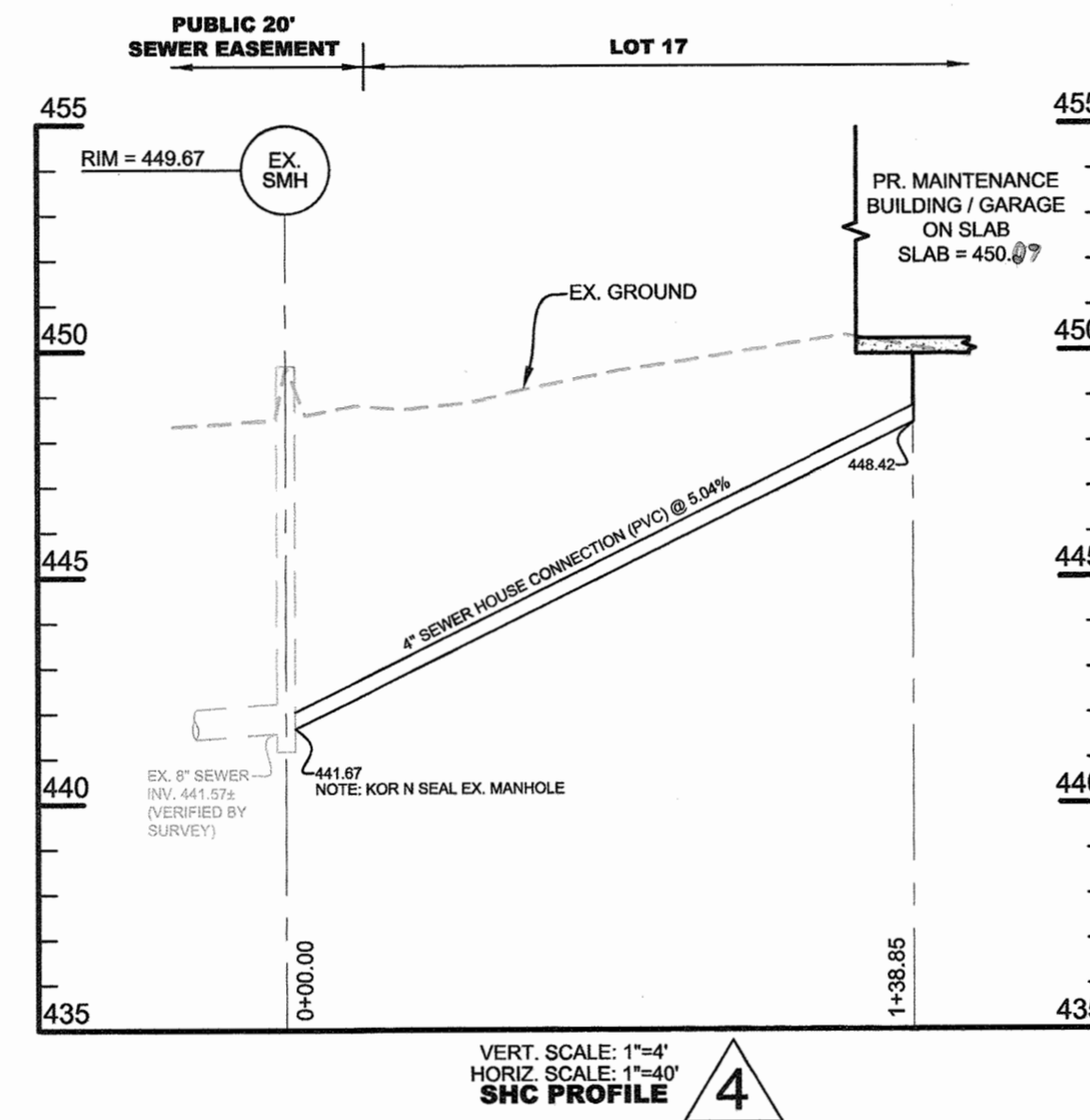
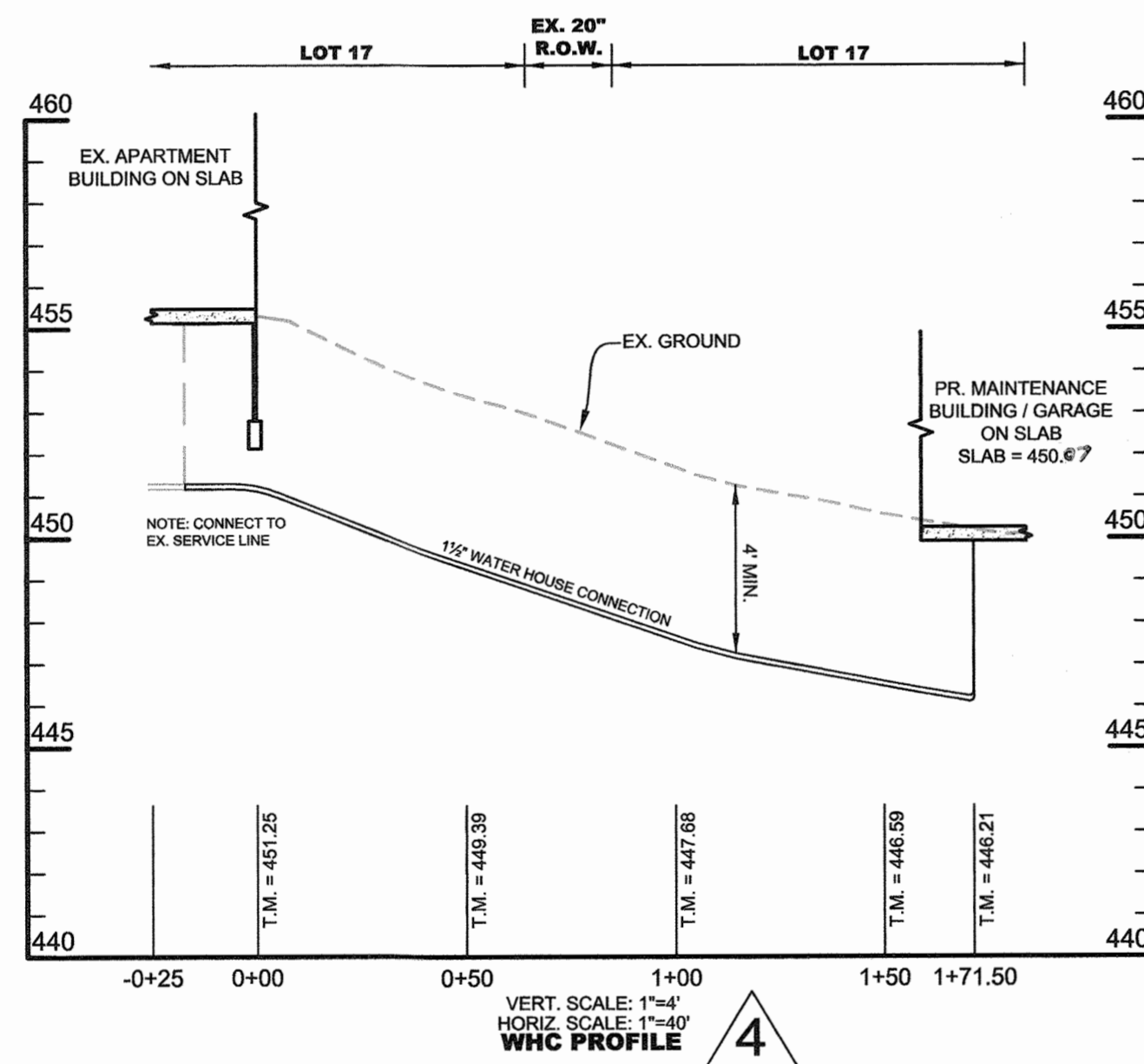
PROJECT TITLE
 STORM DRAIN PROFILE, TYPICAL
 CROSS SECTION & DETAILS

Des By: P.S.S. Scale: AS SHOWN Dwg. No.
 Dwn By: P.S.S. Date: 11/5/69 C.C.F. No.
 Chk By: P.S.S. Approved: [Signature]

MATZ CHILDS & ASSOCIATES
 1020 CROSSLAND BRIDGE ROAD
 BETHESDA, MARYLAND 20814
 703-414-1111
 703-414-1111
 703-414-1111

LEGEND

- EXISTING CONTOUR ——— 450 ———
- PROPOSED CONTOUR ——— 450 ———
- PROPOSED SPOT ELEVATION ——— 80+2 ———
- LIMIT OF DISTURBANCE ——— LOD ———



* The redline addition of the maintenance building did not require Planning Board approval per Section 11.125.0.9.3-b. NT District Site development plan minor projects not requiring Planning Board approval.

APPROVED:
PLANNING BOARD OF HOWARD COUNTY
DATE June 17, 1970

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chief, Development Engineering Division 1/10/19
Chief, Division of Land Development 1/17/19
Director 1-17-19

APPROVED: FOR PUBLIC OR PRIVATE [pick only one] WATER AND PUBLIC OR PRIVATE [pick only one] SEWERAGE SYSTEMS
County Health Officer _____ Date _____
Howard County Health Department

FOR REDLINE REVISION #4

DFI ENGINEERS-SURVEYORS-PLANNERS
CONSTRUCTION MANAGERS
1127 BENFIELD BLVD, SUITE K
MILLERSVILLE, MD 21108
WWW.DFIENGINEERING.COM
443-308-2100 FAX 443-308-2108



"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 11882, EXPIRATION DATE: 10-19-2018."

PURPOSE NOTE:
THE PURPOSE OF THIS REVISION IS TO
CONSTRUCT A NEW MAINTENANCE BUILDING.

REVISED SITE DEVELOPMENT PLAN

Rev Date	Rev No	Revision Description
10-4-18	4	Redline Rev. to Add Maintenance Building
1-23-70	3	Storm Drain Layout
12-3-69	2	Per County Comments
11-5-69	1	Storm Drainage Parking Spaces

COLUMBIA
M A R Y L A N D
OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
THE VILLAGE OF CROSS KEYS & BALTIMORE MARYLAND 21210
PROJECT AREA VILLAGE OF HARPER'S CHOICE SECTION 3 AREA 2 LOT 77
PROJECT TITLE **TILBURY WOODS II**
Des By P.S.S. Scale As Shown Dwg No
Dwn By W.W.B. Date Oct. 4 2018 C.C.F. No
Chk By P.S.S. Approved **D-1-a**