

DEPARTMENT OF PUBLIC WORKS
D. W. McLeod 4/23/73
 CHIEF, BUREAU OF HIGHWAYS DATE
 OFFICE OF PLANNING AND ZONING
D. W. McLeod 4/10/73
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
 LAND TRANSPORTATION PLANNING

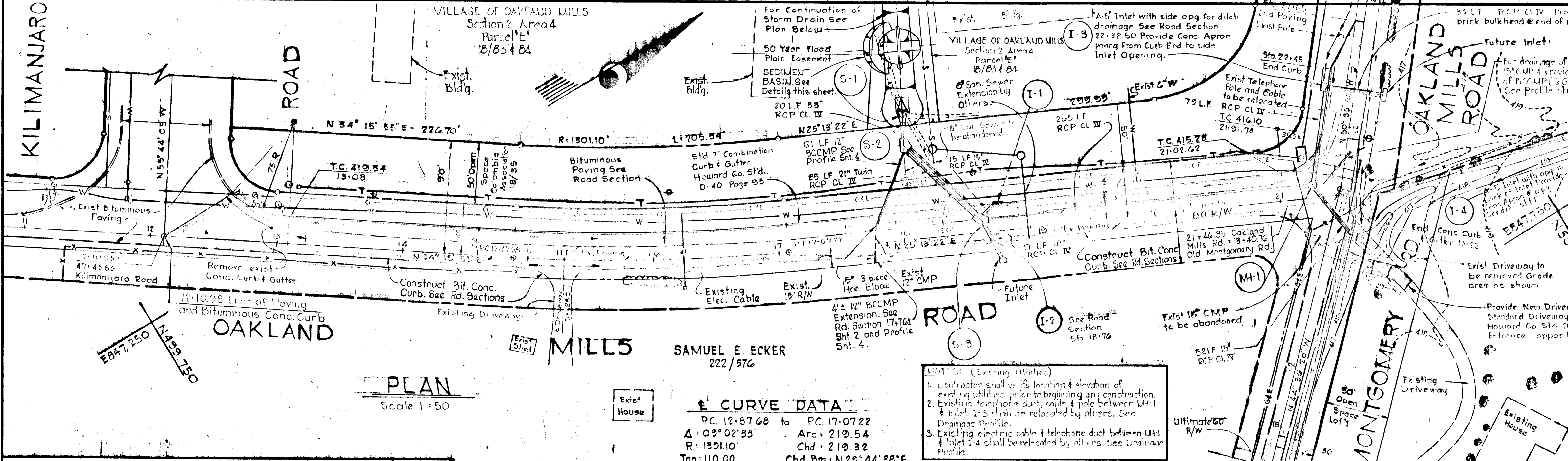
GENERAL NOTES
 1. Bench Mark M-109 Elev. 416.22, 21.2' south east of the centerline of Oakland Mills Road 17.0' west of the centerline of Old Montgomery Road, 3.0' south of a pole # 2414B, 2.0' north west of a metal utility pole, set in concrete post projecting 2'.
 2. All work shall be done in accordance with the Howard County Road Construction Code and Standard Specifications.
 3. All utility companies must be notified 24 hours in advance of any construction.
 4. All inlets are Howard Co. Standard, I-1 and I-2 shall be undepressed, I-3 and I-4 shall be depressed.
 5. Storm drain trenches within road right-of-way shall be backfilled and compacted in accordance with Howard County Road Code.

SEDIMENT CONTROL
 1. Sediment Controls must be constructed prior to any roadway excavation and grading.
 2. The sediment control structures may not be removed without approval of the Howard Soil Conservation District.
 3. Drainage Ditch, Sediment Basin, and Spillway shall be seeded and/or sodded where specified immediately upon completion of grading operation.

LEGEND
 Underground Gas and Electric — GFE —
 Underground Telephone — T —
 Exist. 12" Water Main — W —
 Exist. 8" San. Sewer — S —
 Exist. Roadway — — — — —
 Proposed Contour — 418 —
 Exist. Contour — 418 —
 Exist. Fence — X —
 Exist. Pole and Tree — ○ —

Rev. Date Rev. No. Revision Description
COLUMBIA
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 OWNER AND DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 PROJECT AREA SEDIMENT CONTROL PLAN
 OAKLAND MILLS ROAD AT
 OLD MONTGOMERY ROAD
 PROJECT TITLE
OAKLAND MILLS ROAD IMPROVEMENTS
 BETWEEN OLD MONTGOMERY RD AND KILIMANJARO ROAD
 SCALE: As Shown DATE:

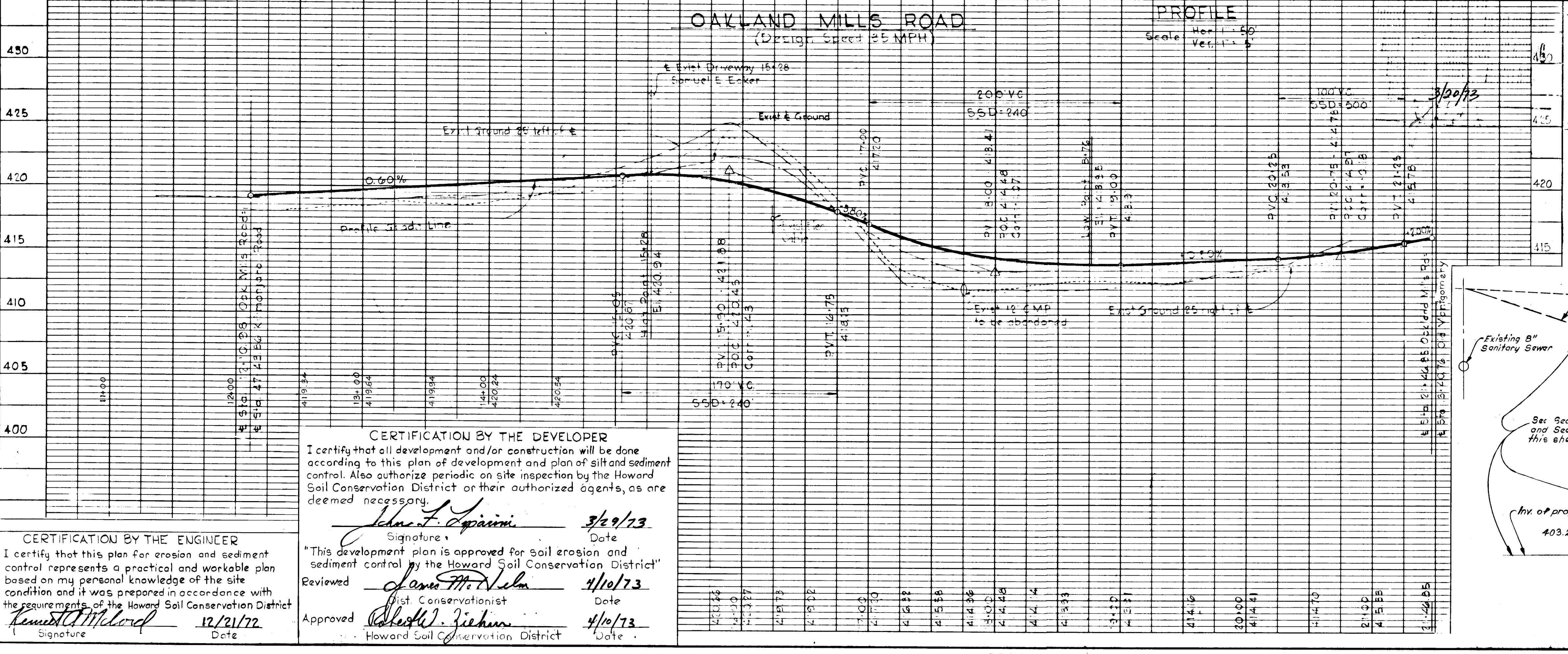
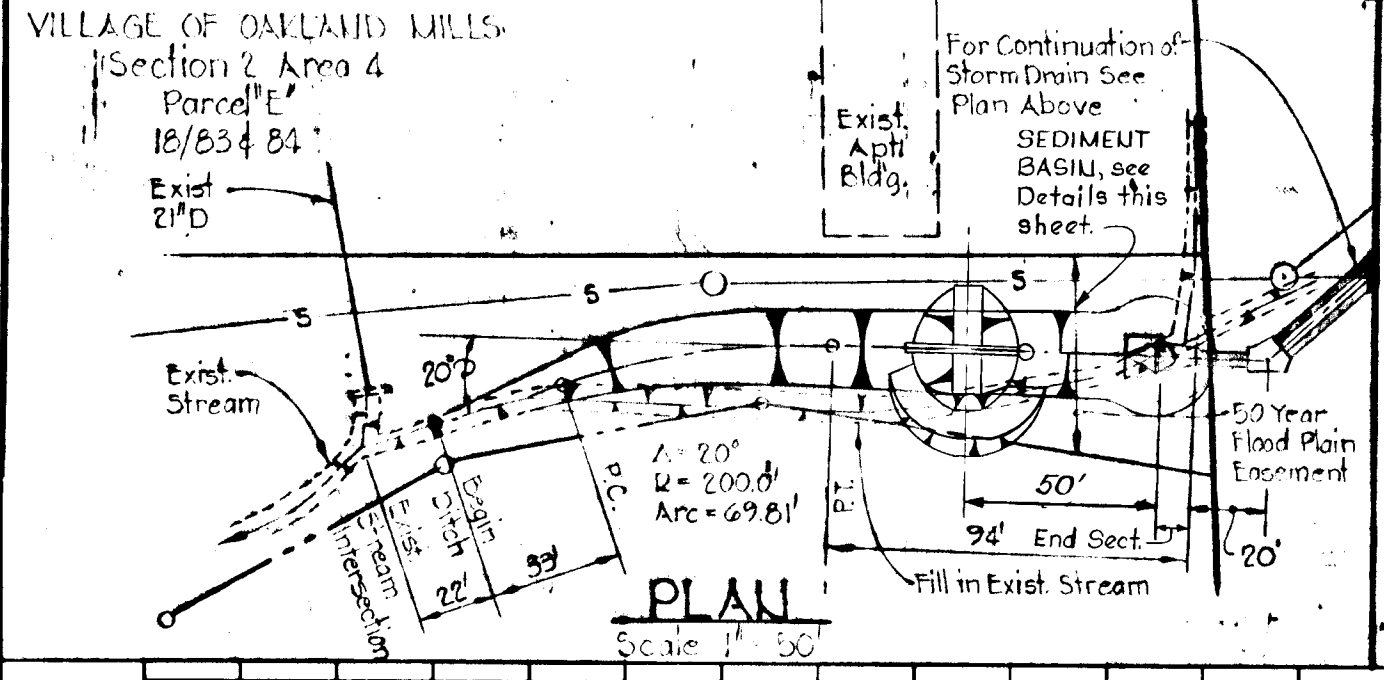
WHITMAN, REQUARD & ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND 21202
Kenneth A. McLeod
 KENNETH A. McLEOD
 Registered Engineer
 No. 1974



CURVE DATA
 PC 12+67.68 to PC 17+07.22
 Δ = 99°02'35" Arc = 219.54
 R = 132.110' Chd. = 219.32
 Tan = 110.00 Chd. Ang. = N 29°44'38"E

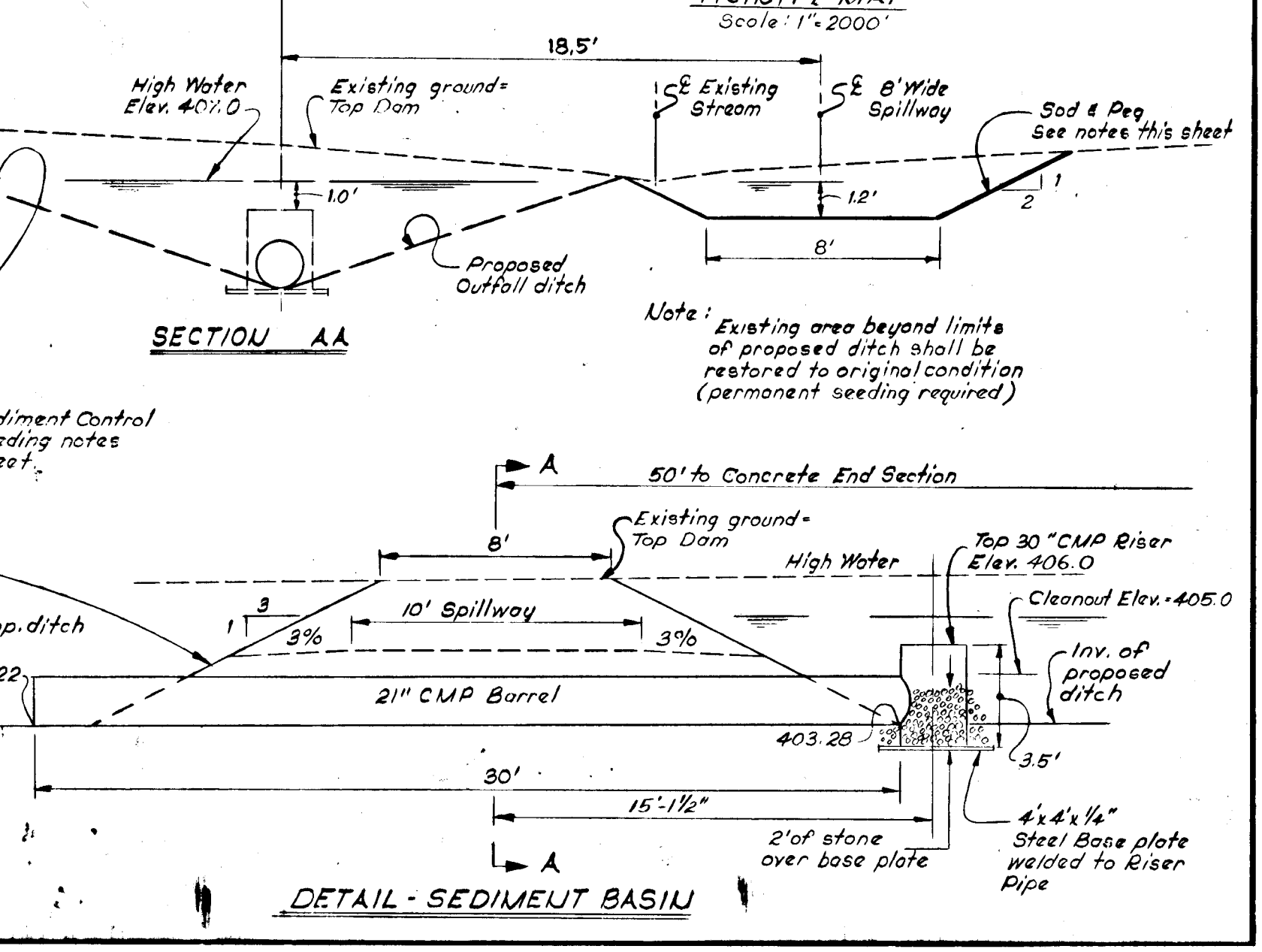
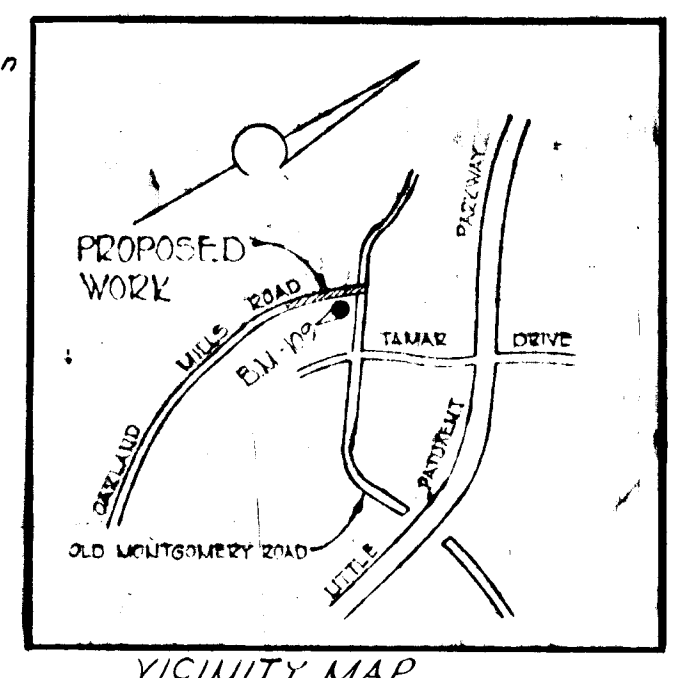
STORM DRAIN STRUCTURE SCHEDULE

No.	Type	Top Elev. (ft.)	Location
I-1	Std. Double "S" Comb. Inlet	413.75	± Inlet 20.25 left ± sta 18+76
I-2	Std. "S" Inlet, See Road Sect. Sta 18+76	413.60	± Inlet 5.0' right ± sta 18+76
I-3	Std. A-5 width 5'-0" (with side opp.)	415.31	± Inlet 24.50 left ± sta 22+30
I-4	Std. A-5 width 5'-0" (with back opp.)	412.24	± Inlet 20.50' right ± sta 13+12
S-1	Std. Conc. End Section See Sheet 4	417.72	See Plan & Profile
S-2	Junction Chamber See Detail SHT 2	413.80	PI of Structure 9'1" ± sta 18+23
S-3	Junction Chamber See Detail SHT 2	415.65	PI of Structure 10' left ± sta 21+27
MH-1	Type "B" Manhole See Detail SHT 2	415.65	PI Manhole 10' left ± sta 21+27



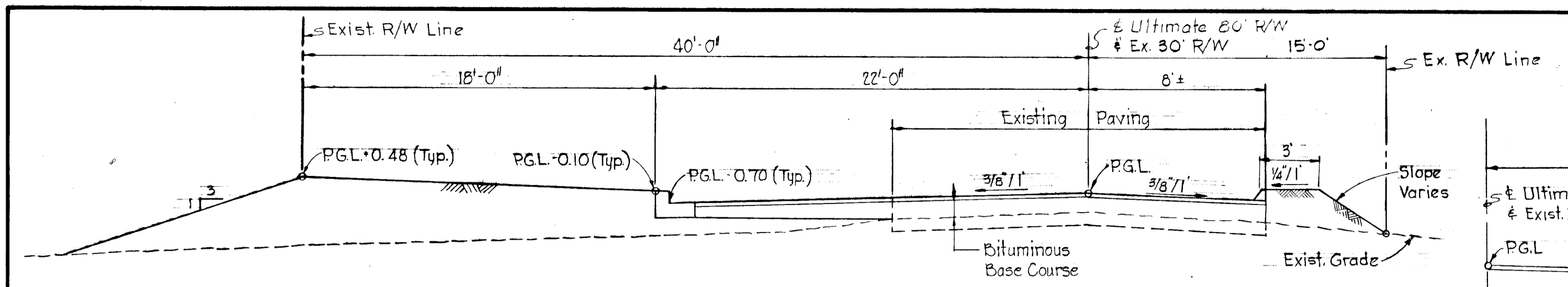
PERMANENT SEEDING
 a. Ground limestone - 92 #/1000 S.F.
 b. Seed shall be 20% Kentucky Bluegrass, 20% Marion Bluegrass, 55% Creeping Red Fescue & 5% Red Top
 c. Fertilizer (10-10-10) 115 #/1000 S.F.
 d. Topsoil to be spread a minimum 6 inches in depth, fertilizer and limestone to be disc'd into upper 3 inches then fine grade and seed. Straw mulch placed at rate of 115 lbs/1000 S.F. Hydroseed method for seeding is permissible.

SODDED AND PEGGED AREAS
 a. Ground limestone - 45 #/1000 S.F.
 b. Fertilizer (10-10-10) 45 #/1000 S.F.
 c. Sod - Kentucky 31 Fall Fescue.

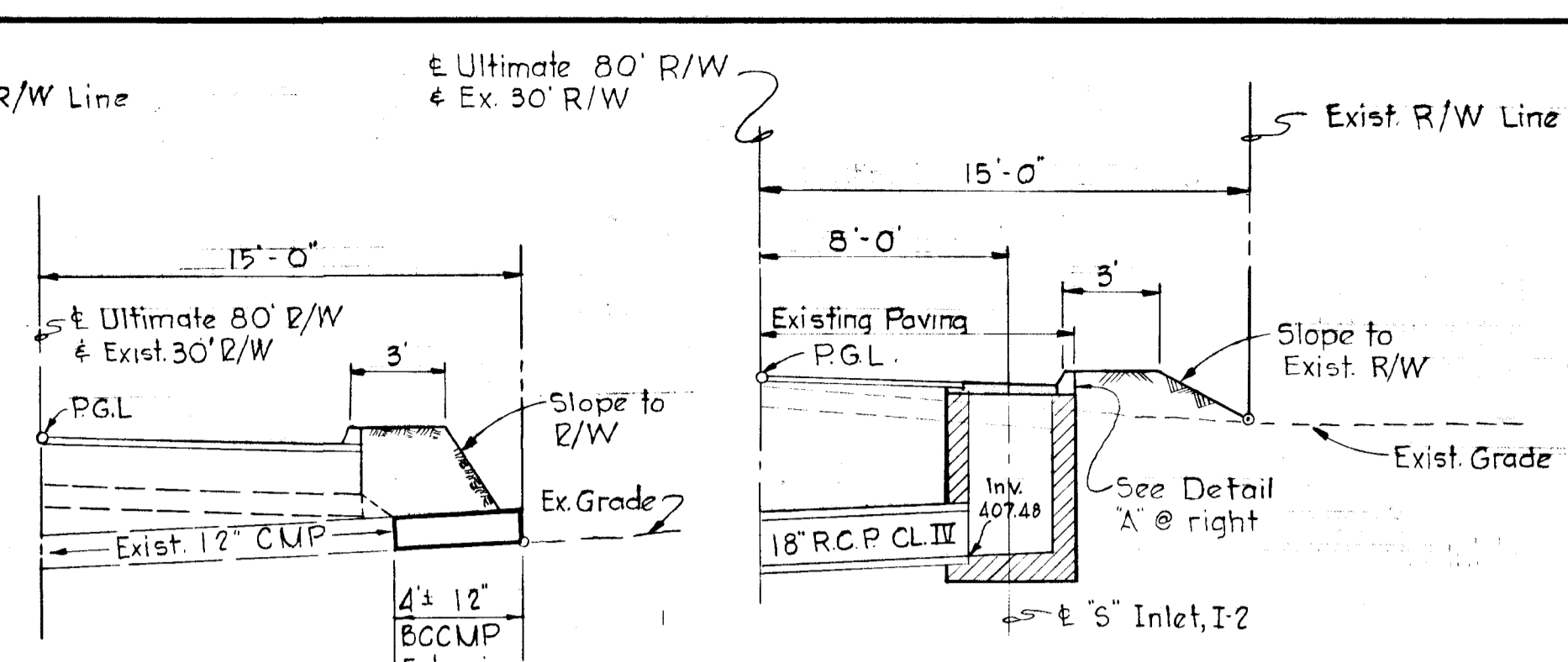


CERTIFICATION BY THE DEVELOPER
 I certify that all development and/or construction will be done according to this plan of development and plan of silt and sediment control. Also authorize periodic on site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.
 Signature: *James M. Nelson* 3/29/73 Date
 "This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District"
 Reviewed: *James M. Nelson* 4/10/73 Date
 District Conservationist
 Approved: *Robert W. Zickler* 4/10/73 Date
 Howard Soil Conservation District

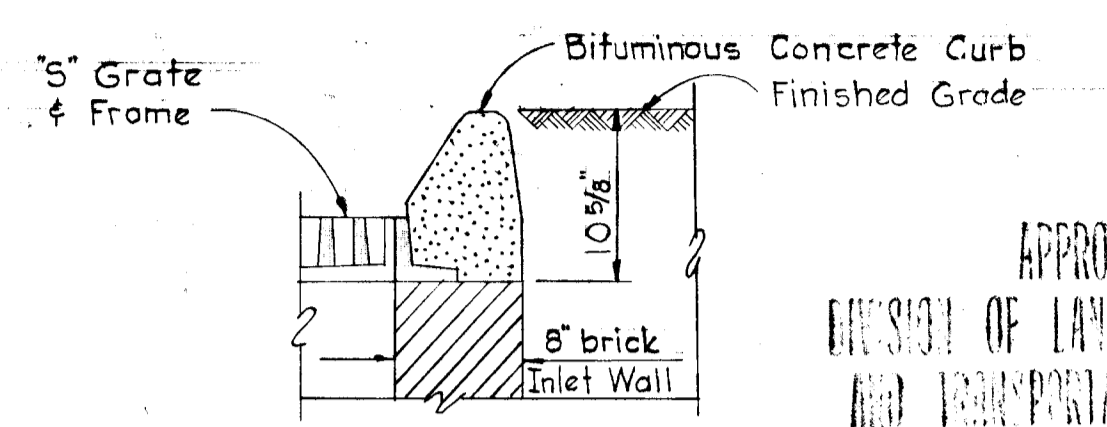
CERTIFICATION BY THE ENGINEER
 I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site condition and it was prepared in accordance with the requirements of the Howard Soil Conservation District
 Signature: *Kenneth A. McLeod* 4/10/73 Date



TYPICAL SECTION STA. 17+00 TO 20+50



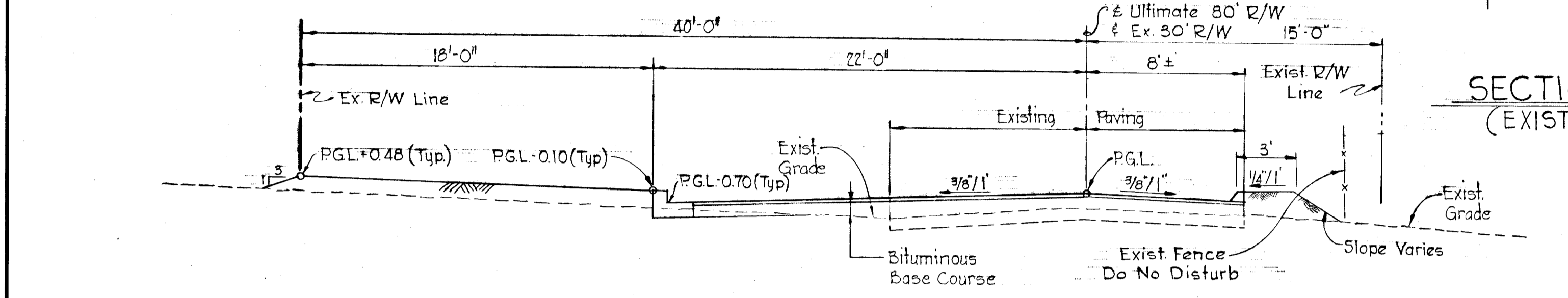
SECTION - STATION 18+70



DETAIL "A"

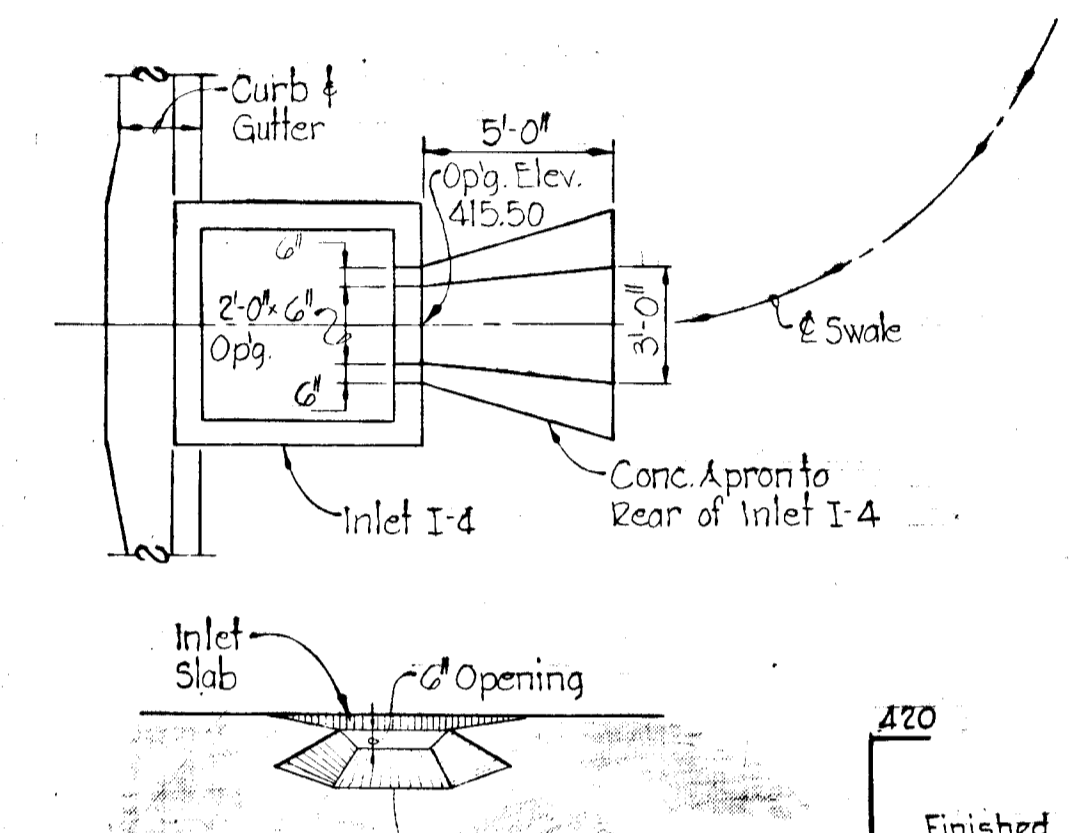
Scale: 1" = 1'-0"

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 3/30/73
[Signature]

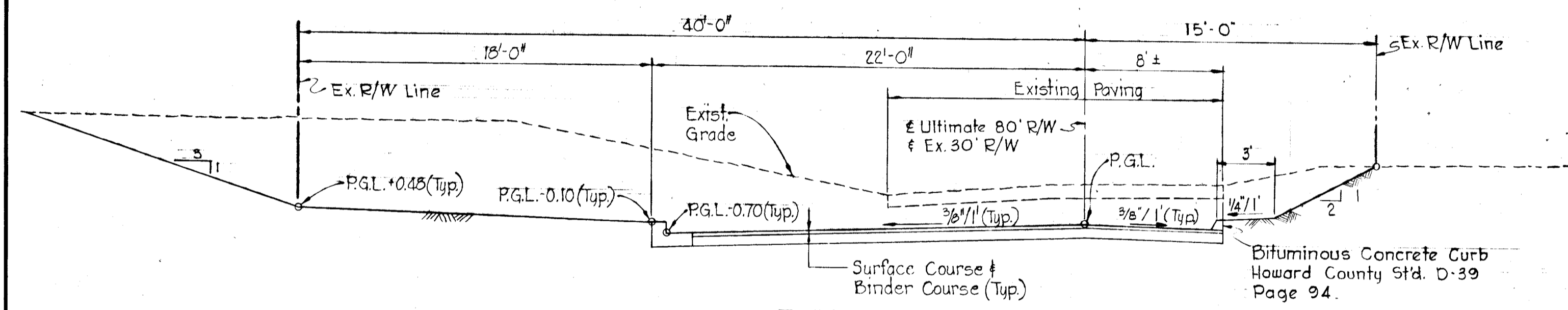


TYPICAL SECTION STA. 13+08 TO 14+50

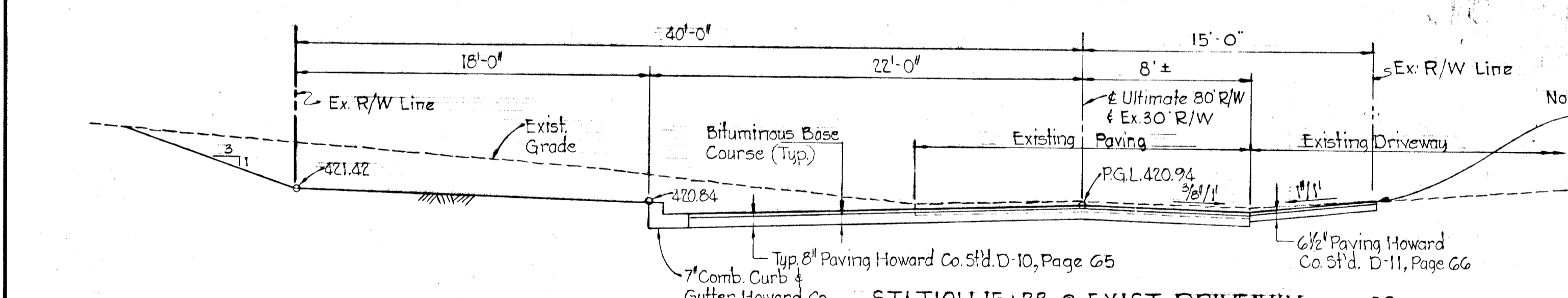
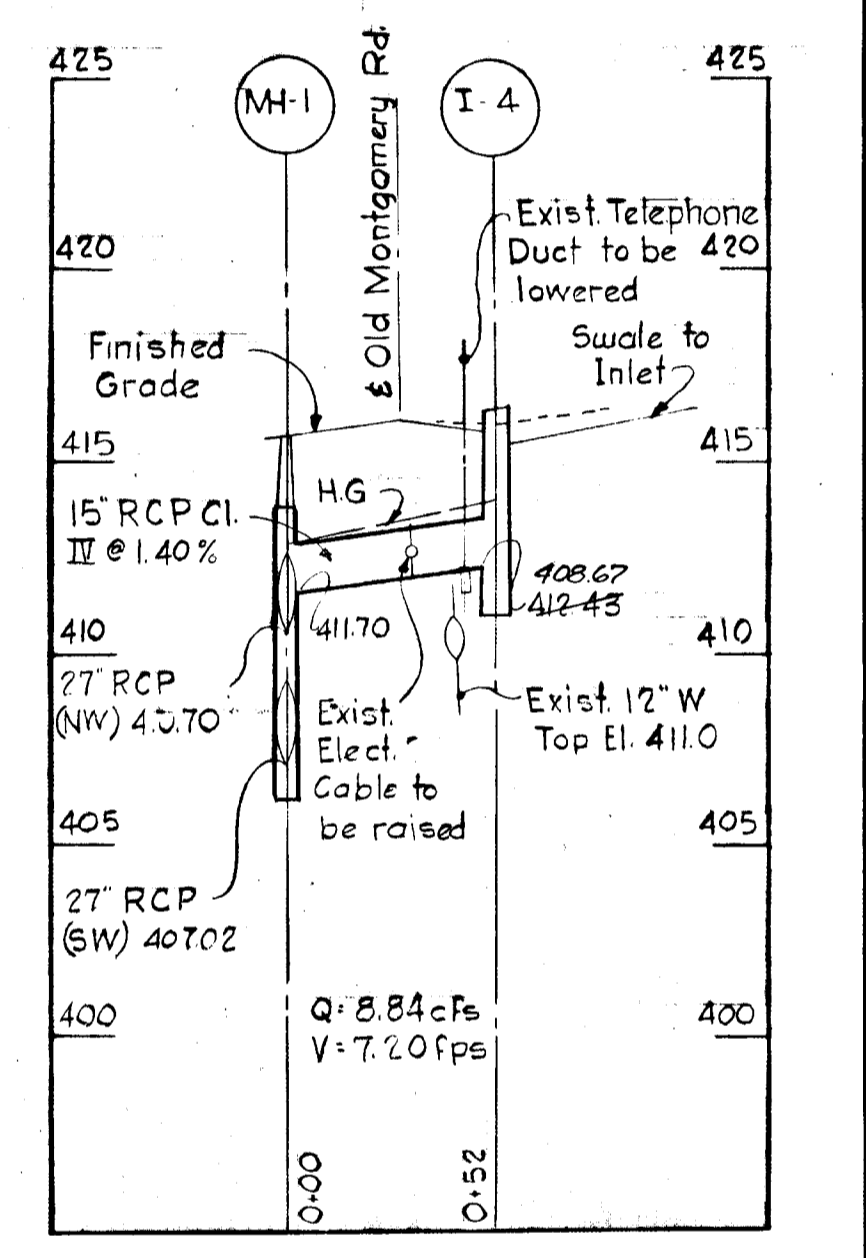
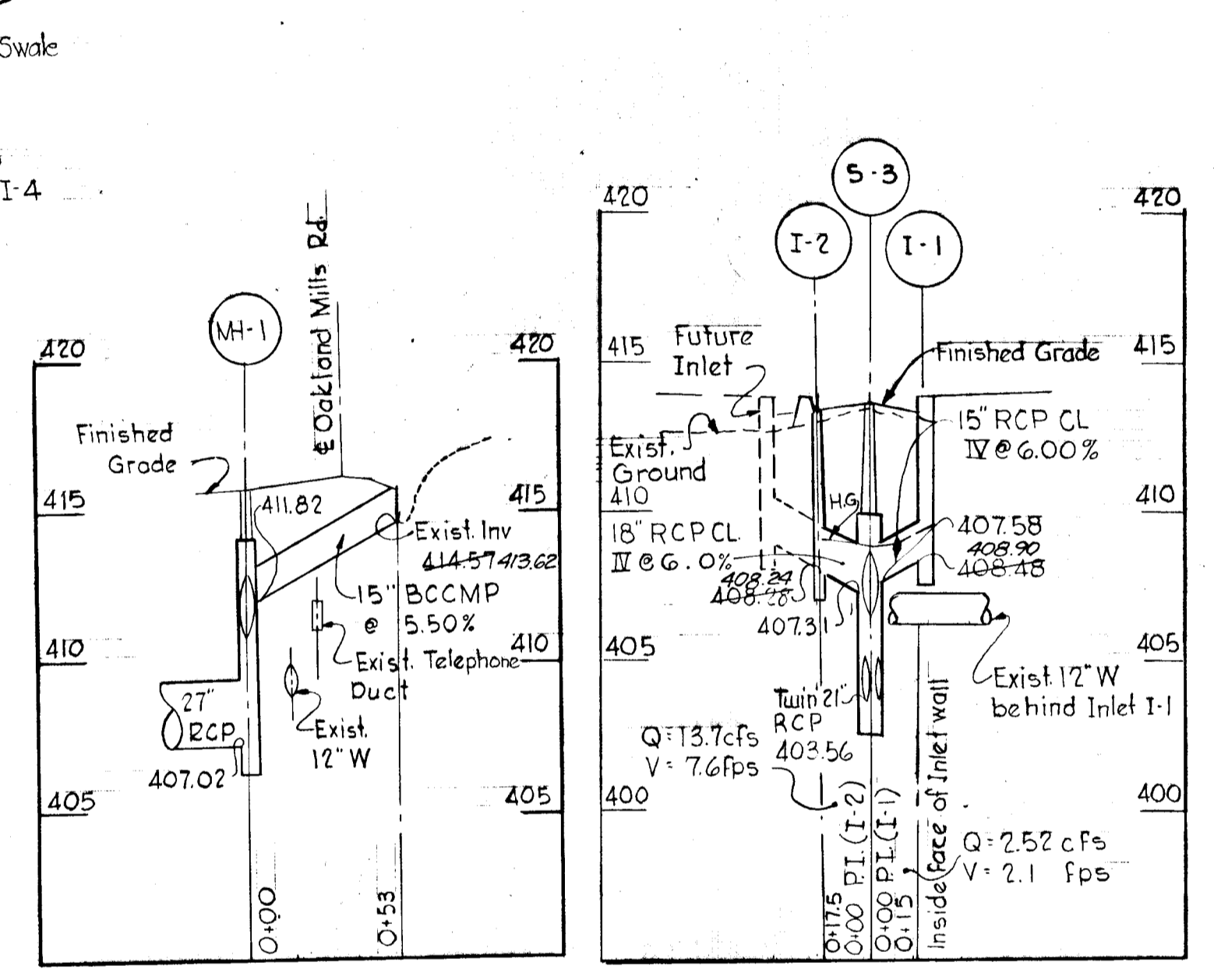
SECTION - STA. 17+76±
 (EXISTING 12" CMP)



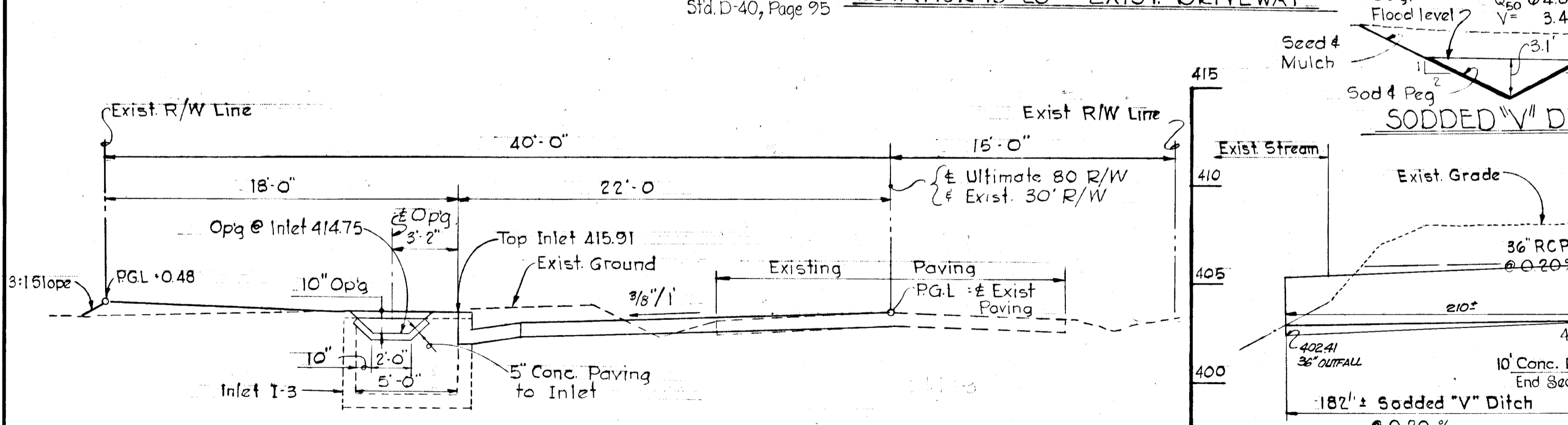
DETAIL - CONCRETE APRON TO INLET I-4



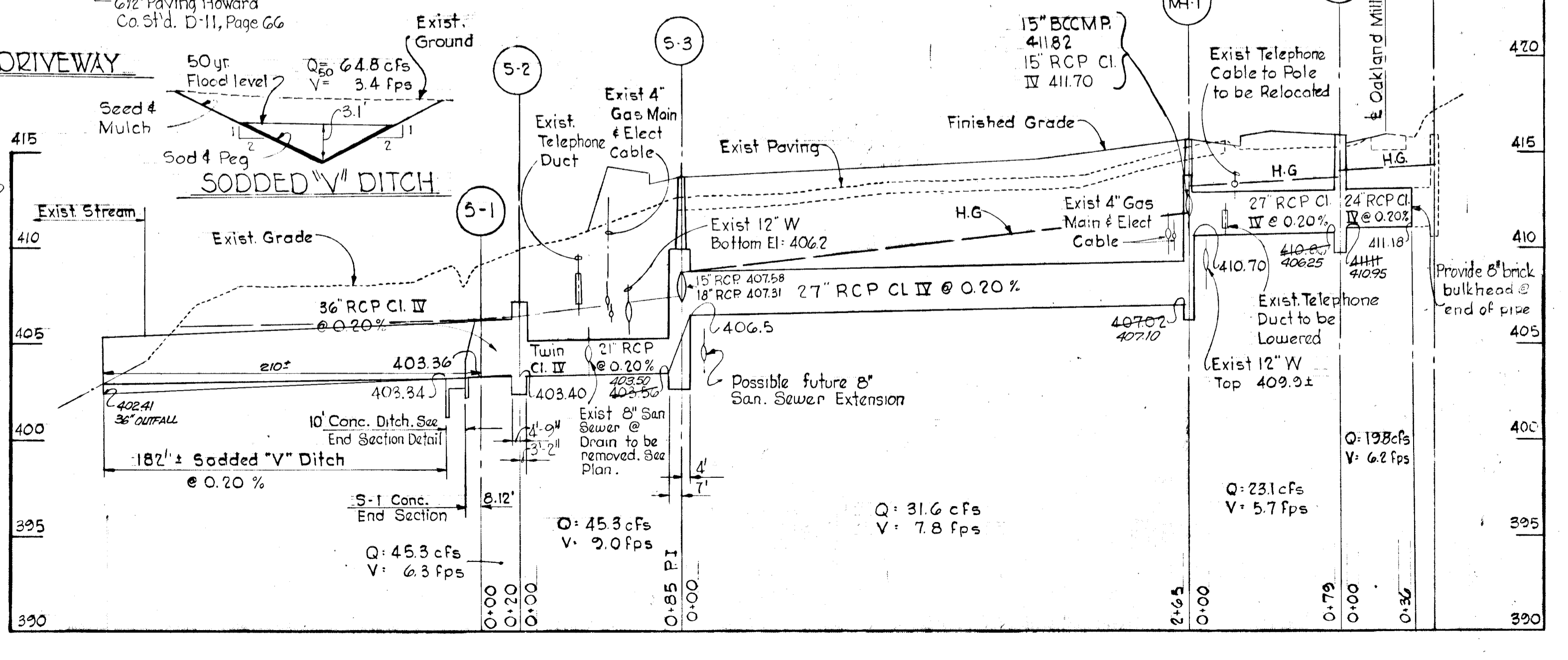
TYPICAL SECTION STA. 15+50 TO 16+75



STATION 15+28 @ EXIST. DRIVEWAY

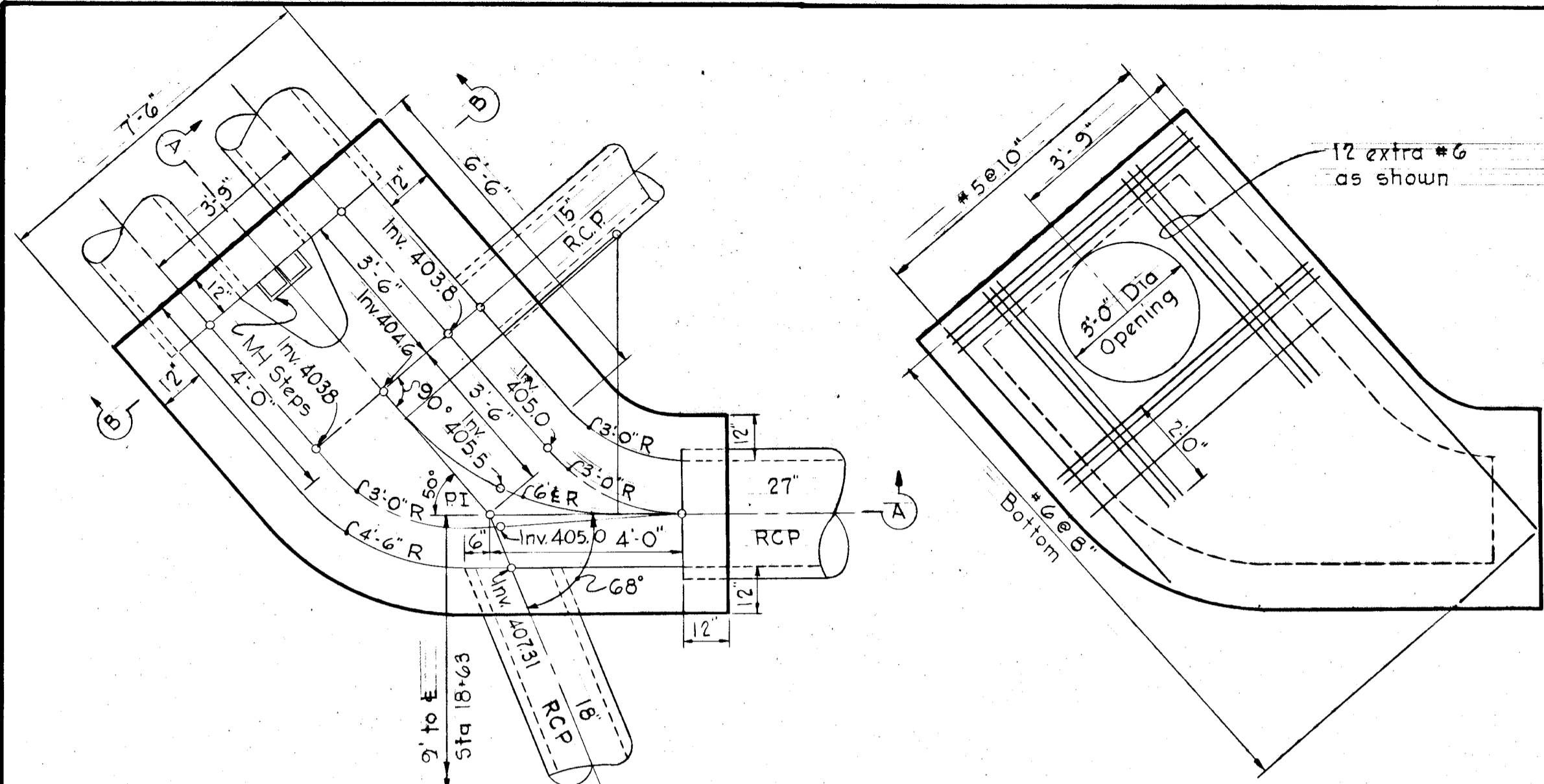


SECTION - STATION 22+32.50

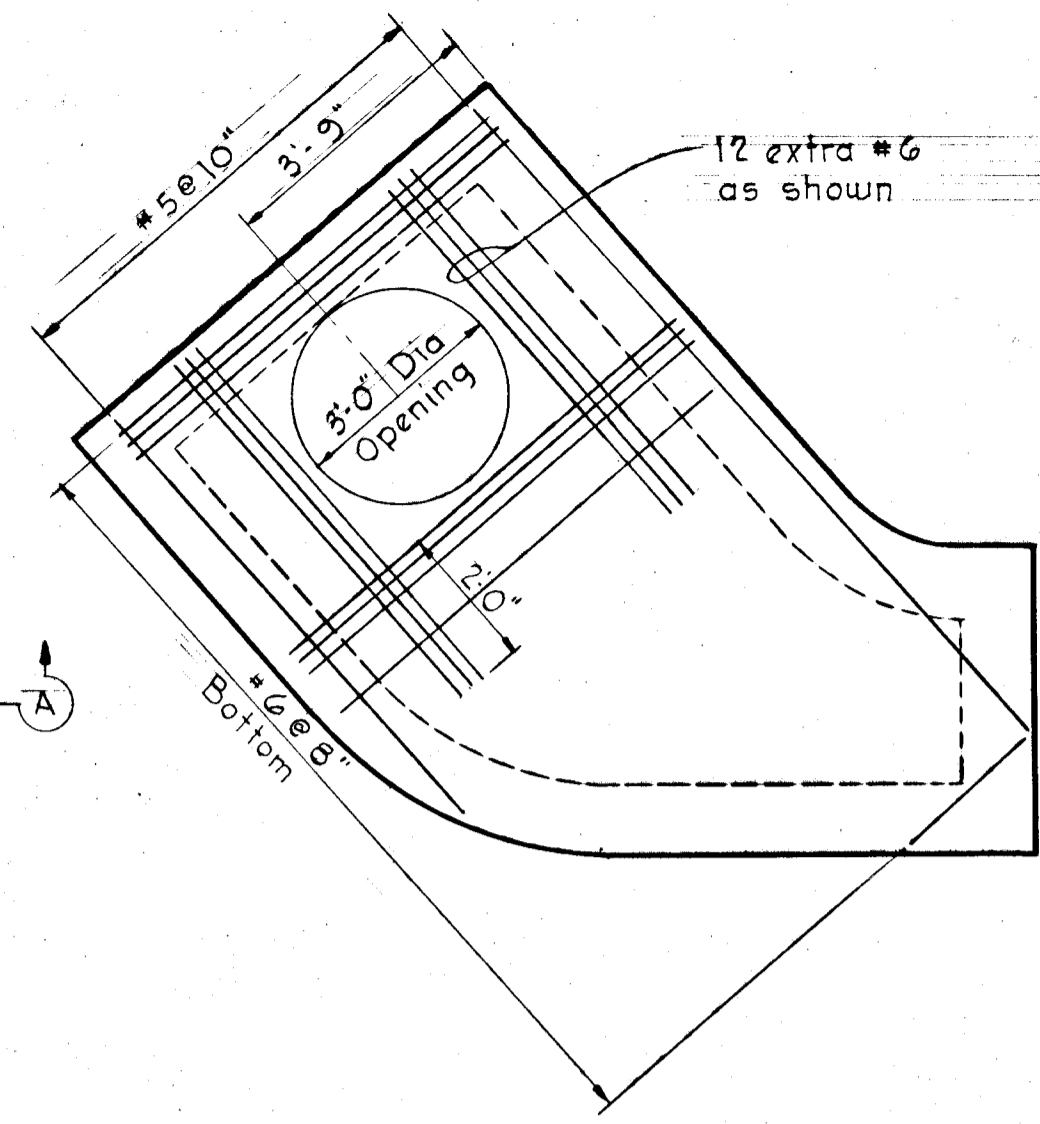


AS-BUILT 2-13-80
 AS-BUILT INFORMATION CERTIFIED BY
 WALTER PARK, MD. LAND SURVEYOR No. 5539

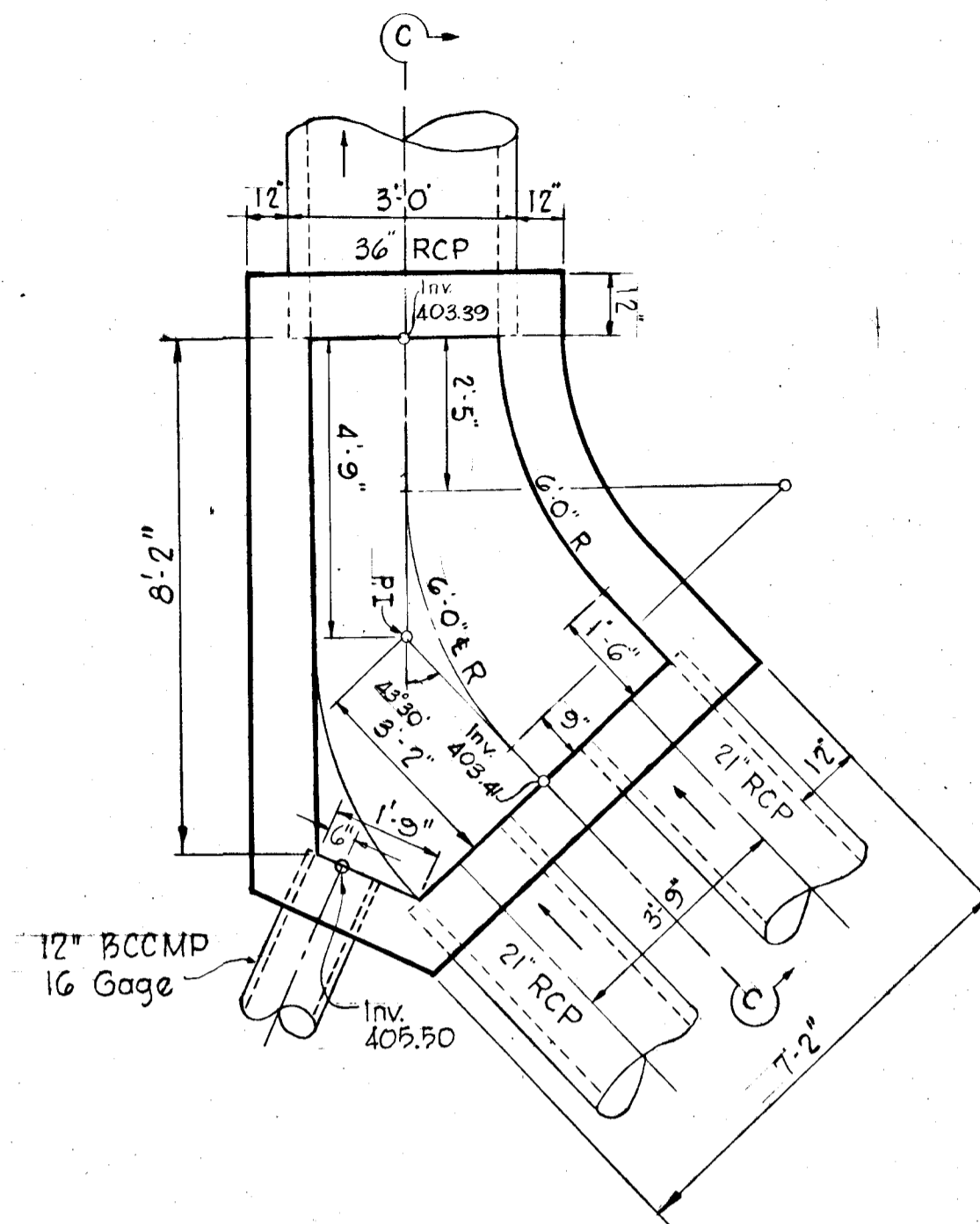
Rev Date	Rev No	Revision Description
COLUMBIA		
6 th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP		
PROJECT AREA OAKLAND MILLS ROAD AT OLD MONTGOMERY ROAD		
PROJECT TITLE OAKLAND MILLS ROAD IMPROVEMENTS BETWEEN OLD MONTGOMERY RD. AND KILIMANJARO ROAD		
SCALE:		DATE:
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202		
<i>Kenneth A. McCord</i>		
KENNETH A. MCCORD Registered Engineer No. 1974		



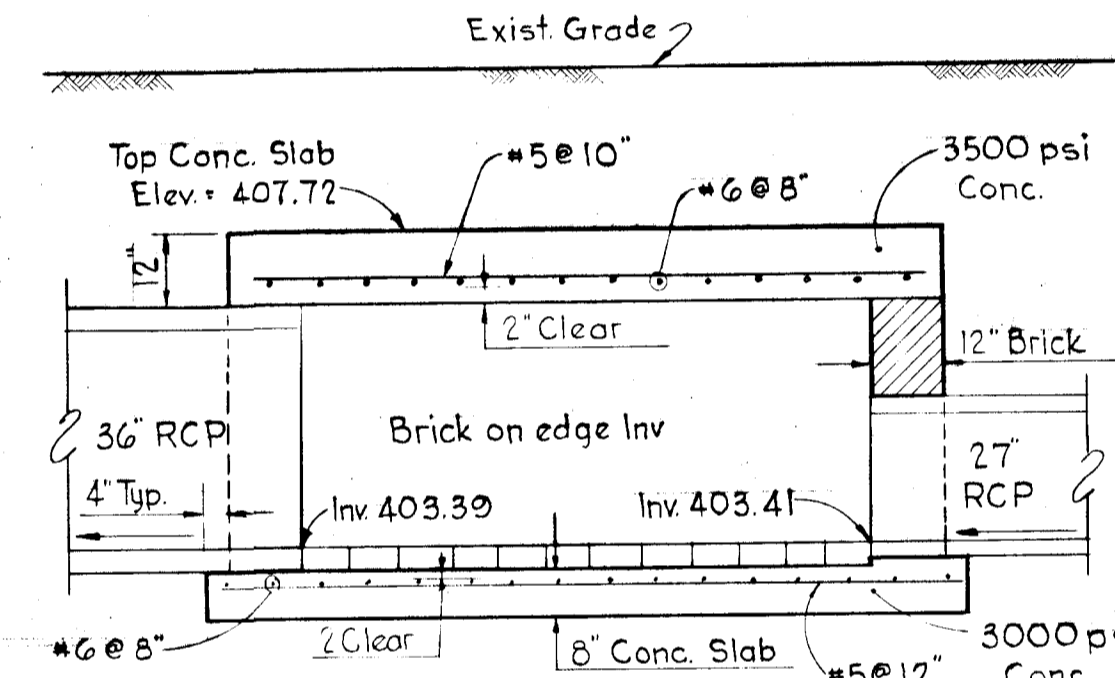
PLAN BELOW CONCRETE SLAB



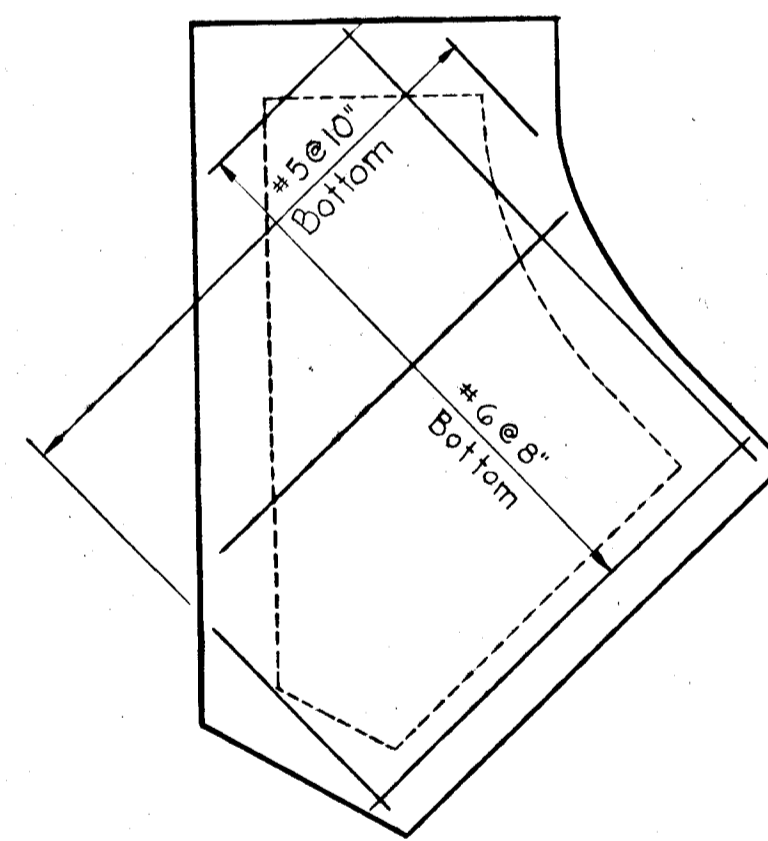
PLAN CONCRETE SLAB



PLAN BELOW CONCRETE SLAB

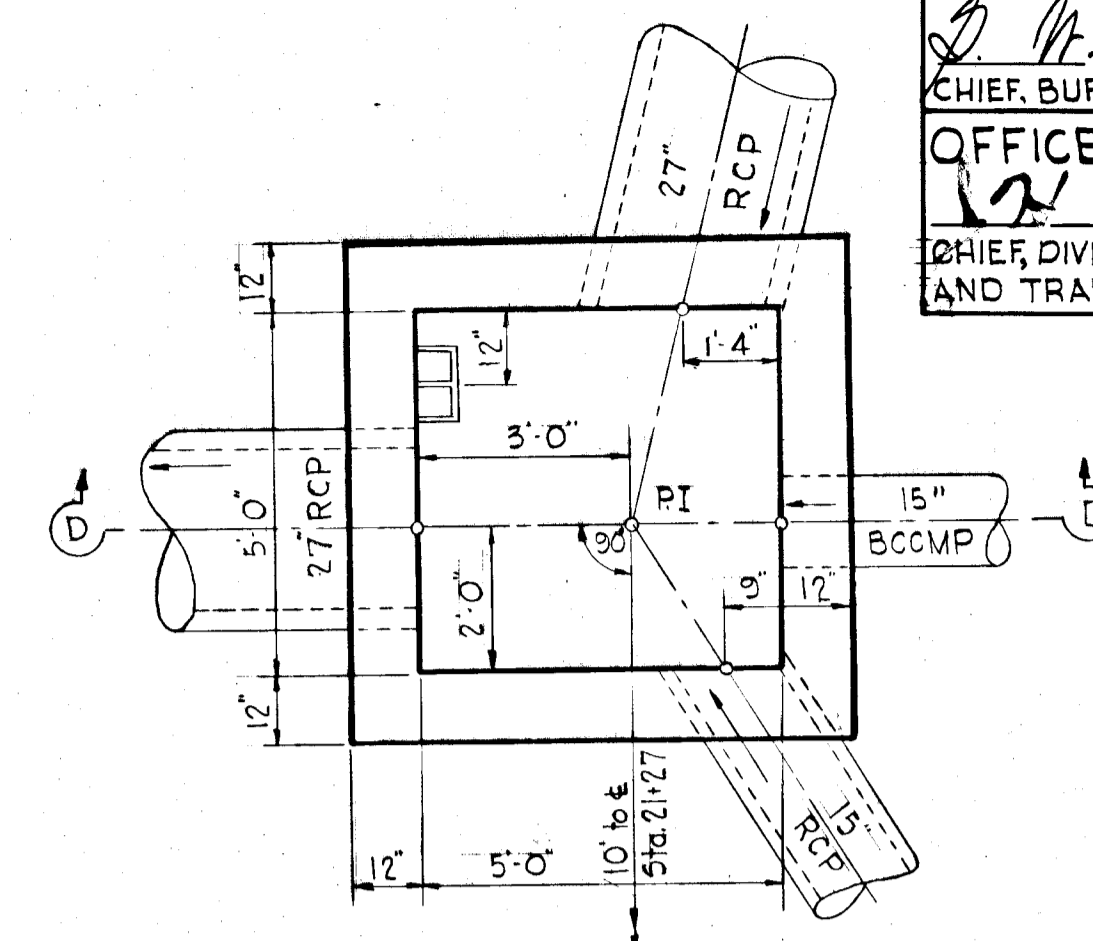


SECTION "C-C"

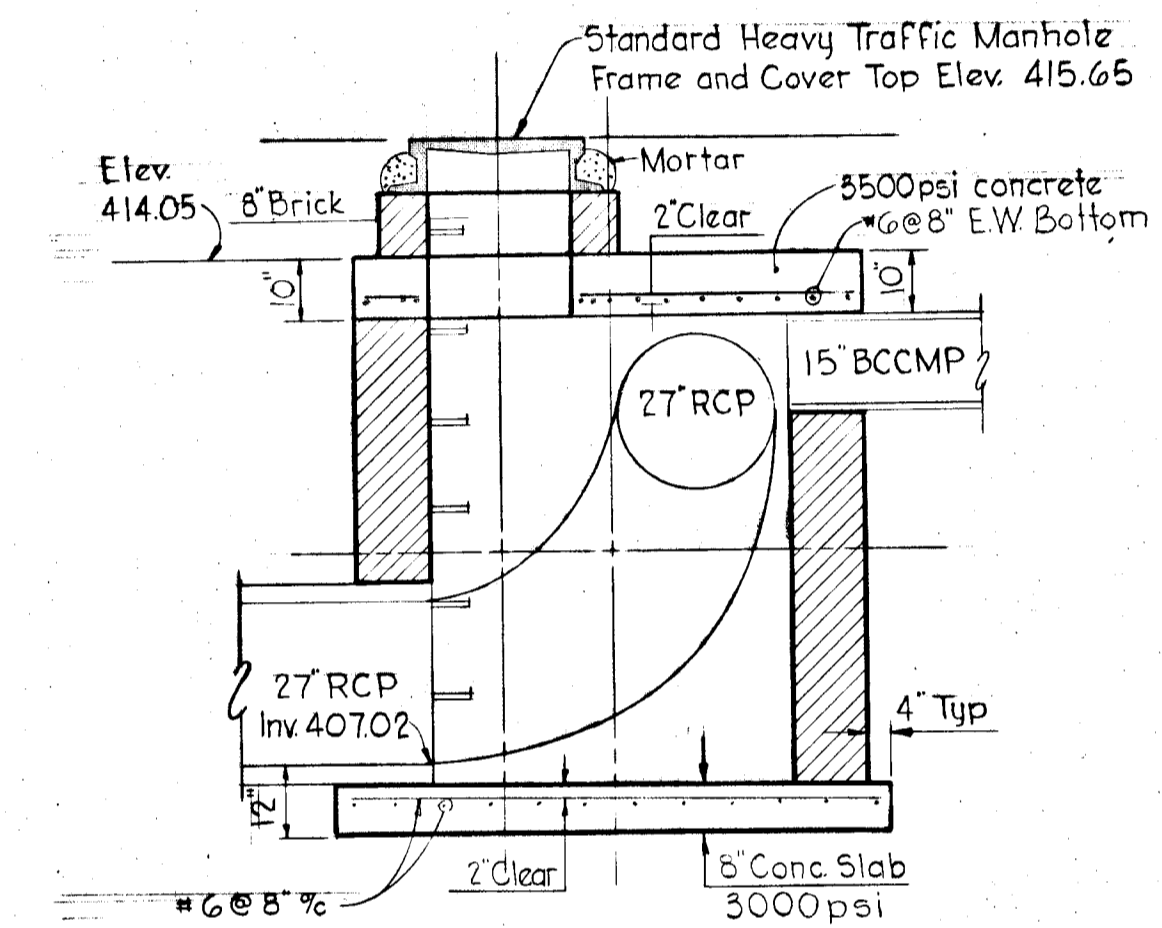


PLAN CONCRETE SLAB

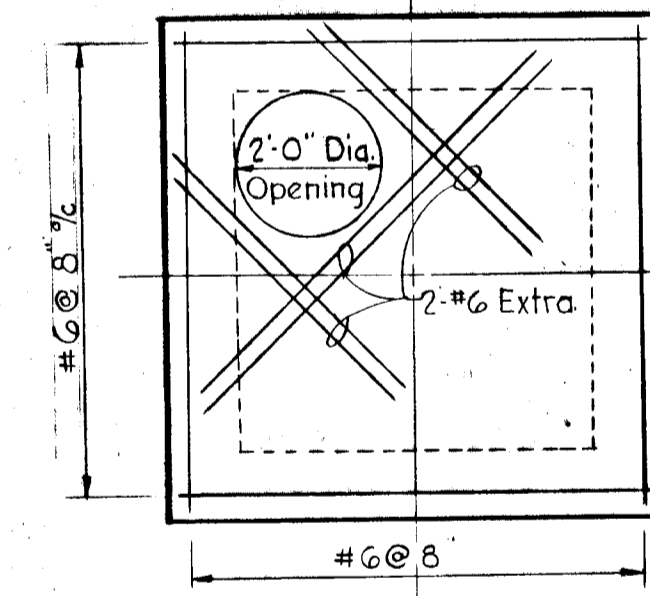
STRUCTURE 5-2



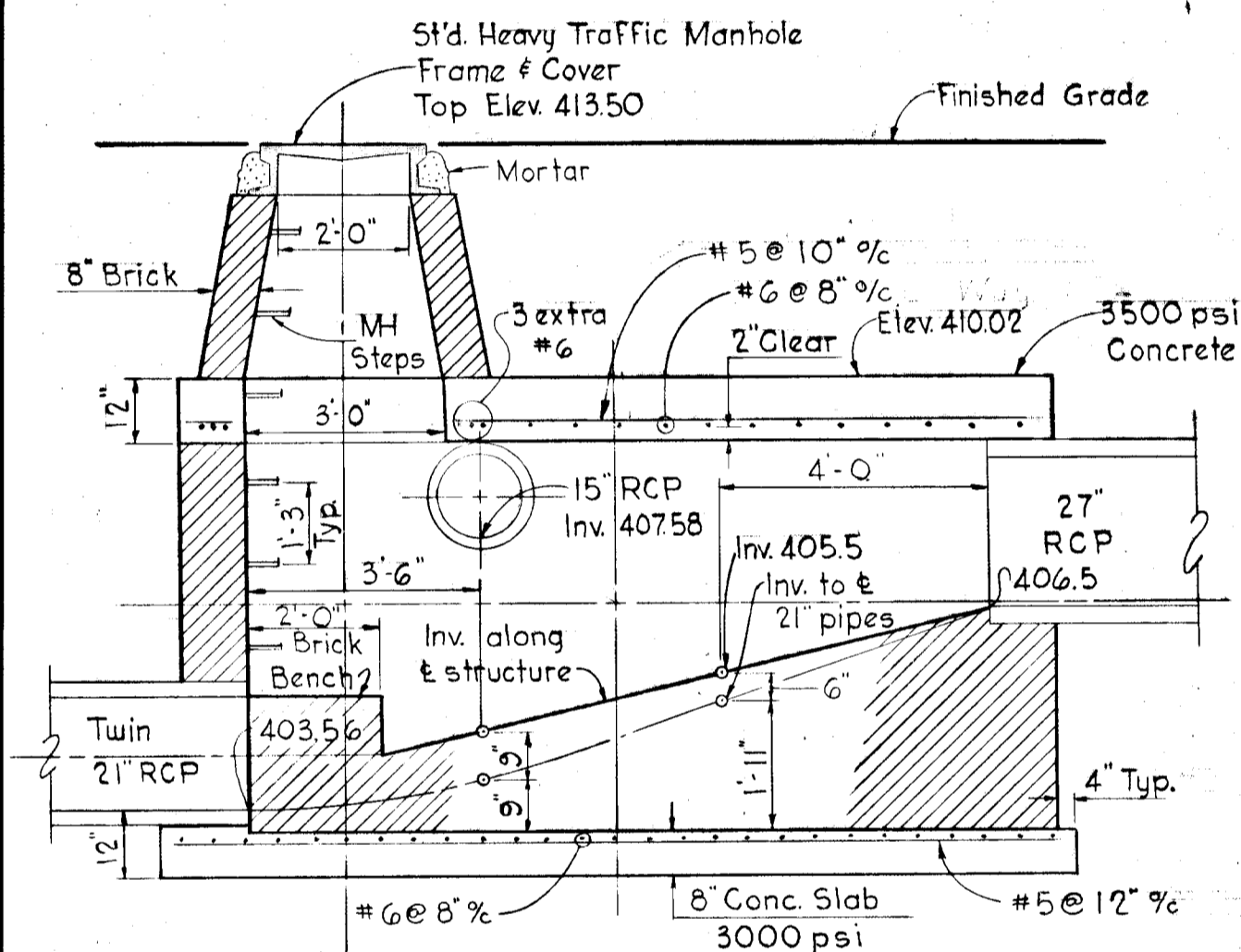
PLAN BELOW CONCRETE SLAB



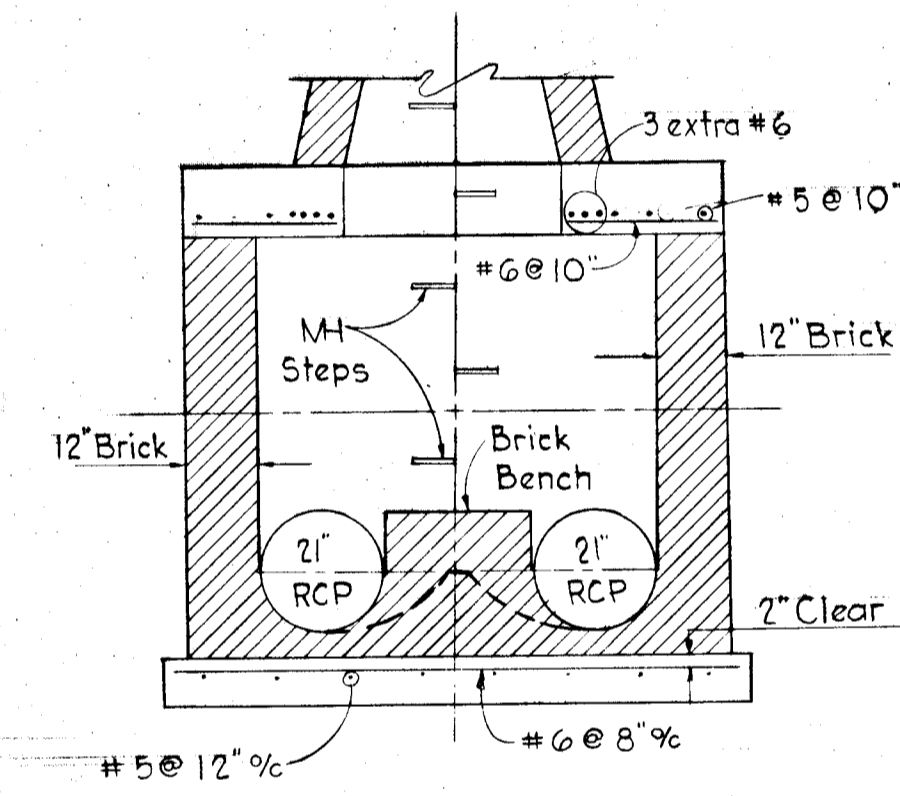
SECTION "D-D"



PLAN CONCRETE SLAB
 DETAIL MANHOLE MH-1



SECTION "A-A"



SECTION "B-B"

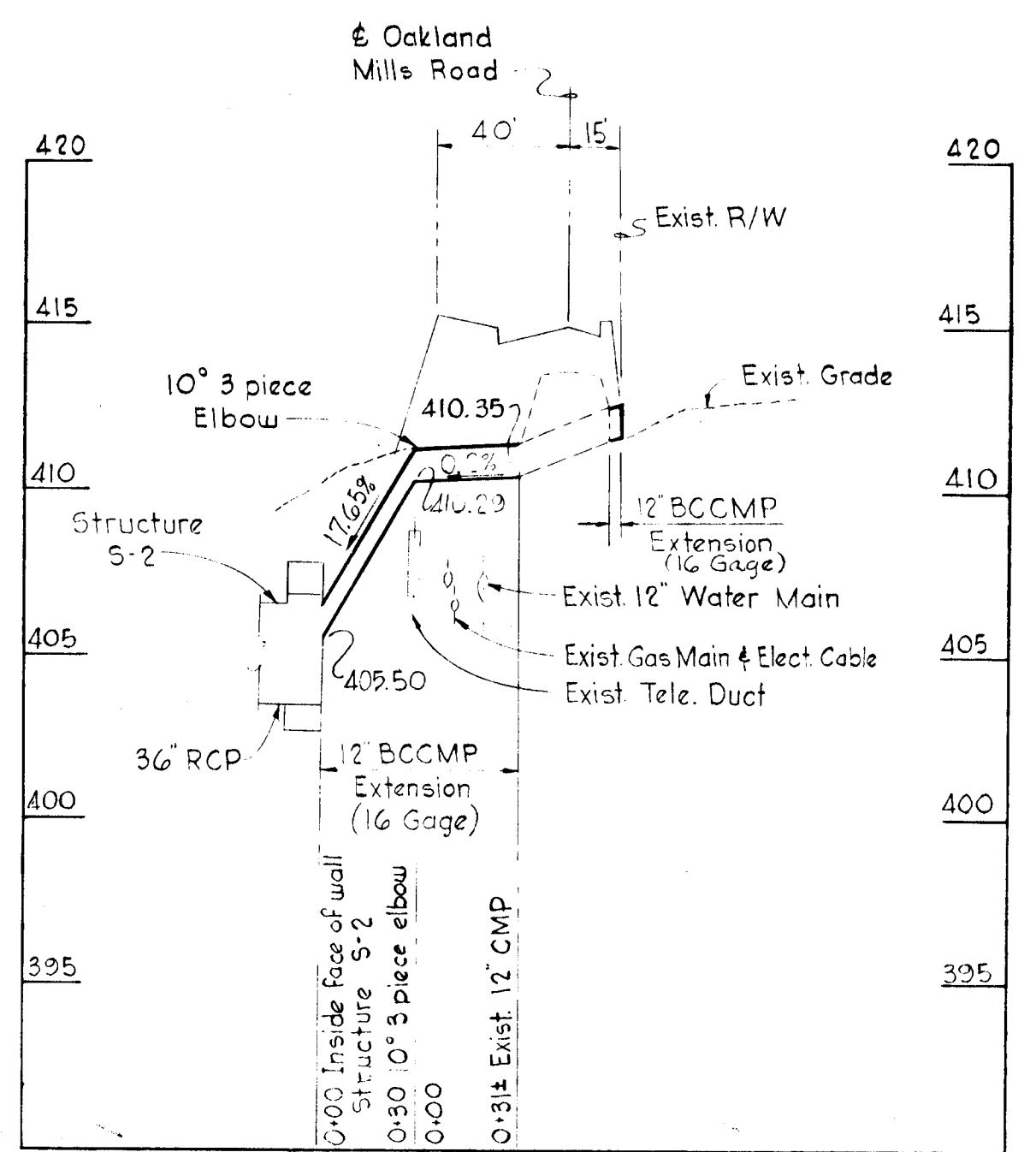
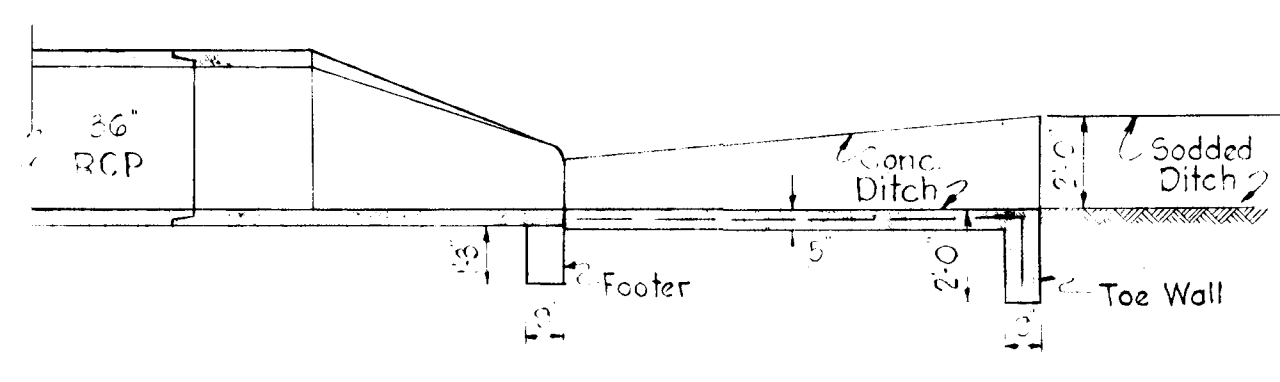
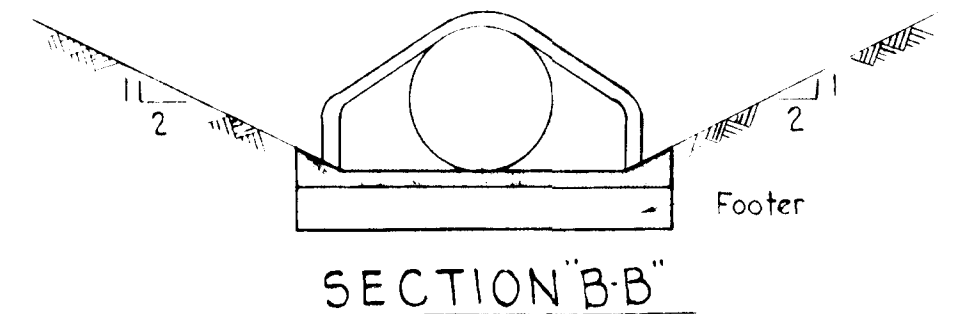
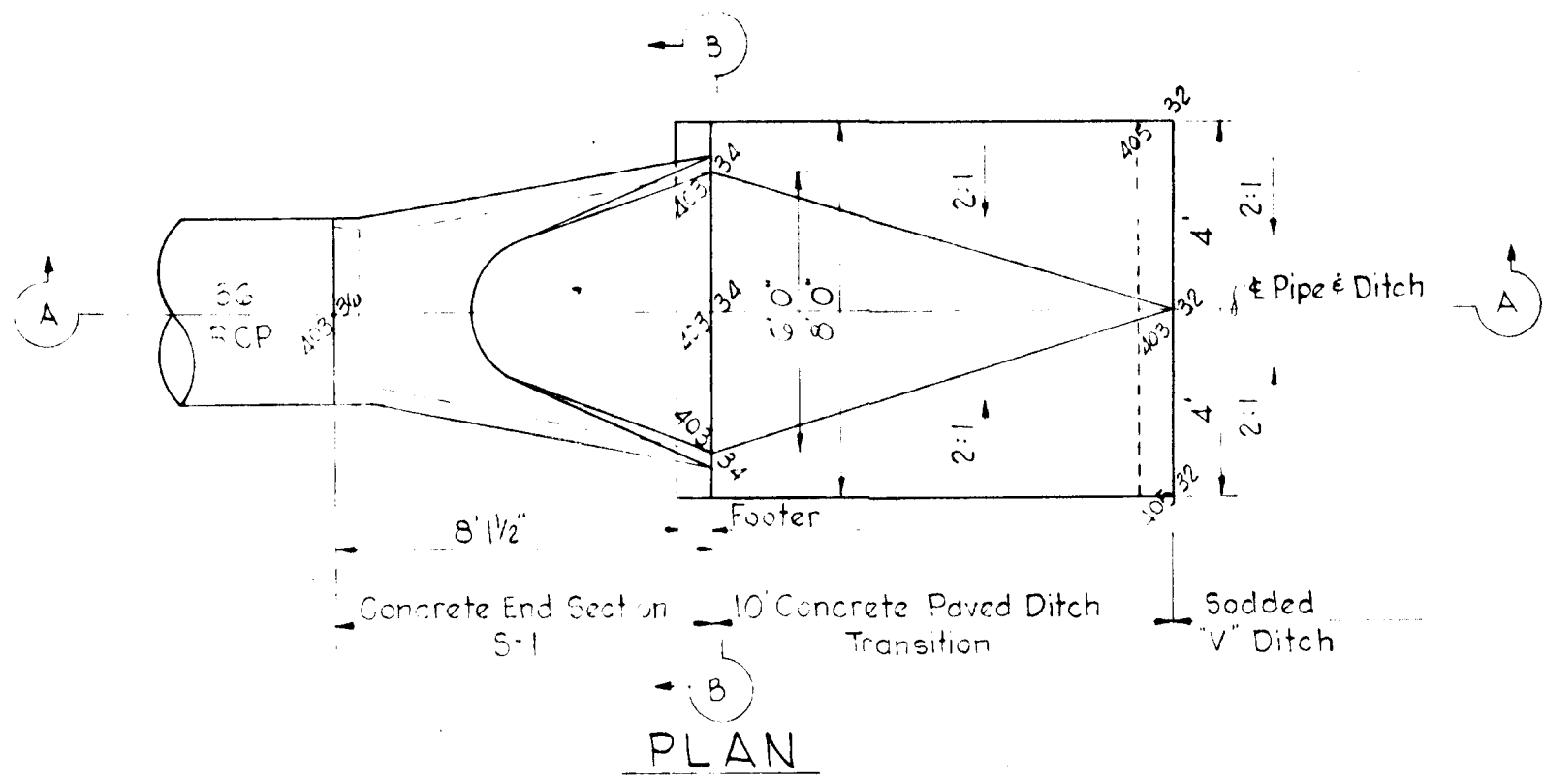
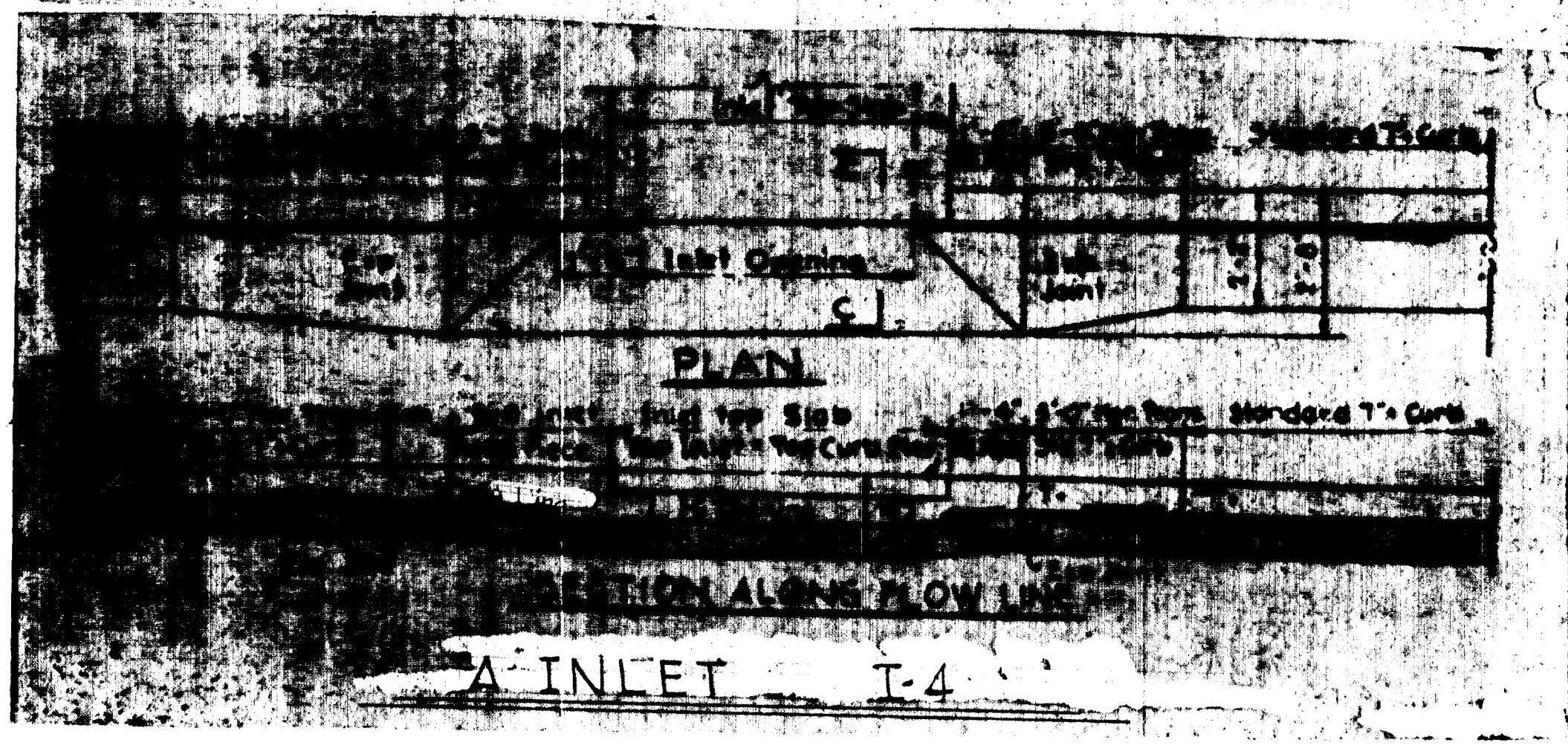
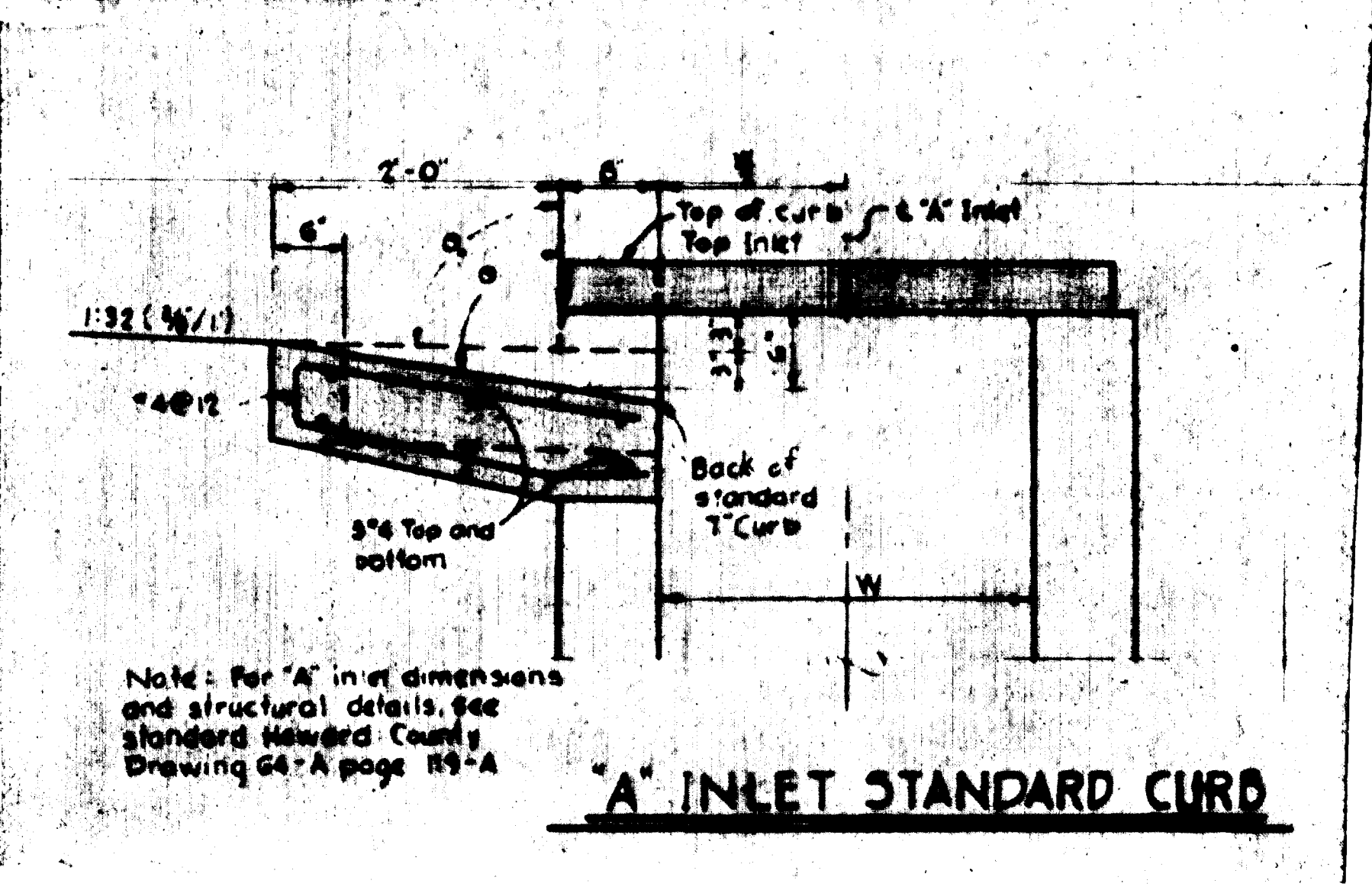
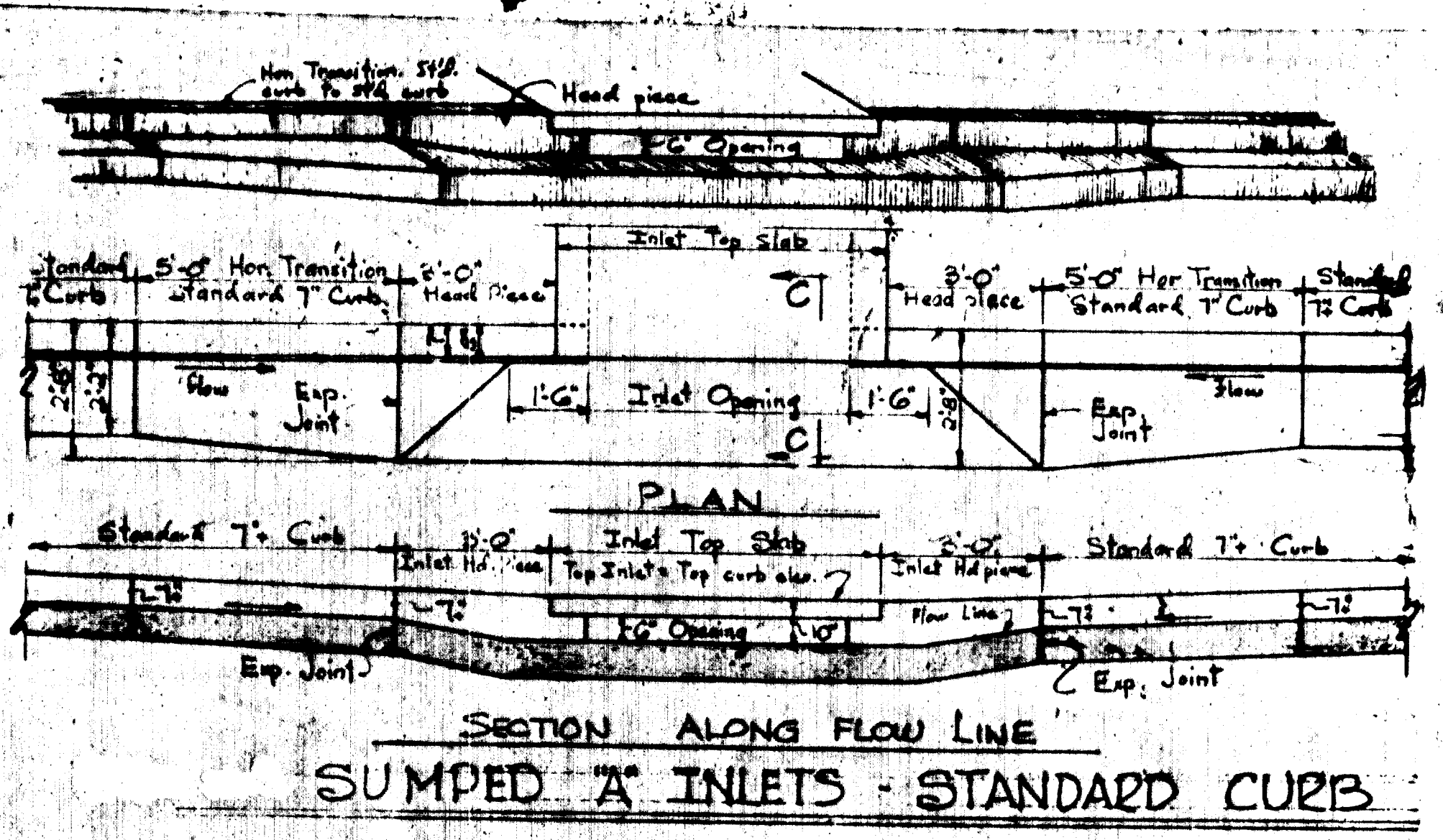
STRUCTURE 5-3

Scale: 3/8" = 1'-0"

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 3/20/73
[Signature]

Rev. Date	Rev. No.	Revision Description
		COLUMBIA 6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
		OWNERS AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP
		PROJECT AREA OAKLAND MILL'S ROAD AT OLD MONTGOMERY ROAD
		PROJECT TITLE OAKLAND MILL'S ROAD IMPROVEMENTS BETWEEN OLD MONTGOMERY RD. AND KILIMANJARO ROAD
		SCALE: As Shown DATE August 1972
		WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202
		<i>[Signature]</i> KENNETH A. McCORD Registered Engineer No. 1974

APPROVED
 DEPARTMENT OF PUBLIC WORKS
 CHIEF BUREAU OF HIGHWAYS
 DATE 3/20/73



Rev. Date	Rev. No.	Revision Description
COLUMBIA 6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND OWNER AND DEVELOPER THE HOWARD RESEARCH AND DEVELOPMENT CORP		
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 KENNETH A. McCORD Registered Engineer No. 1974		