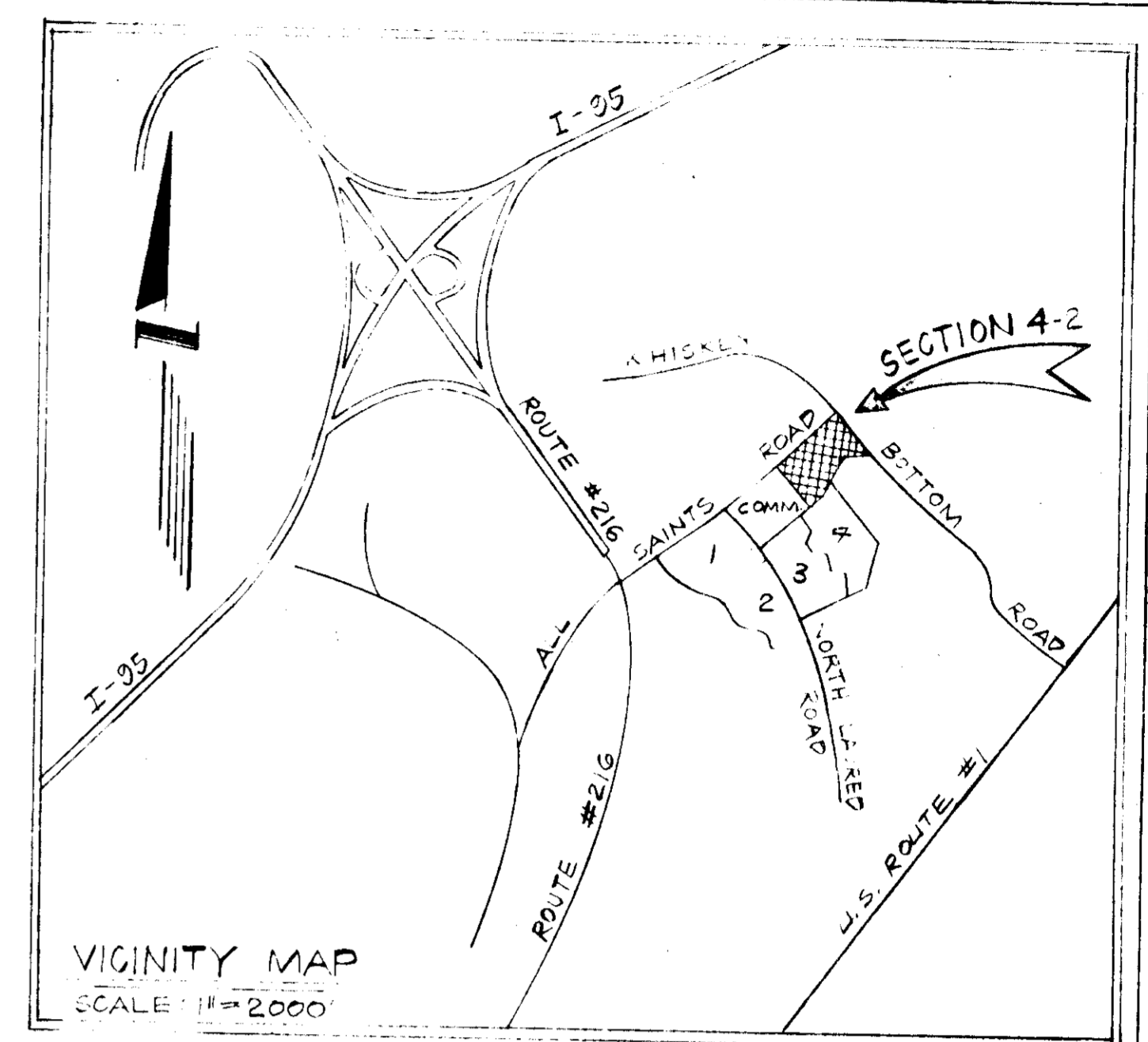
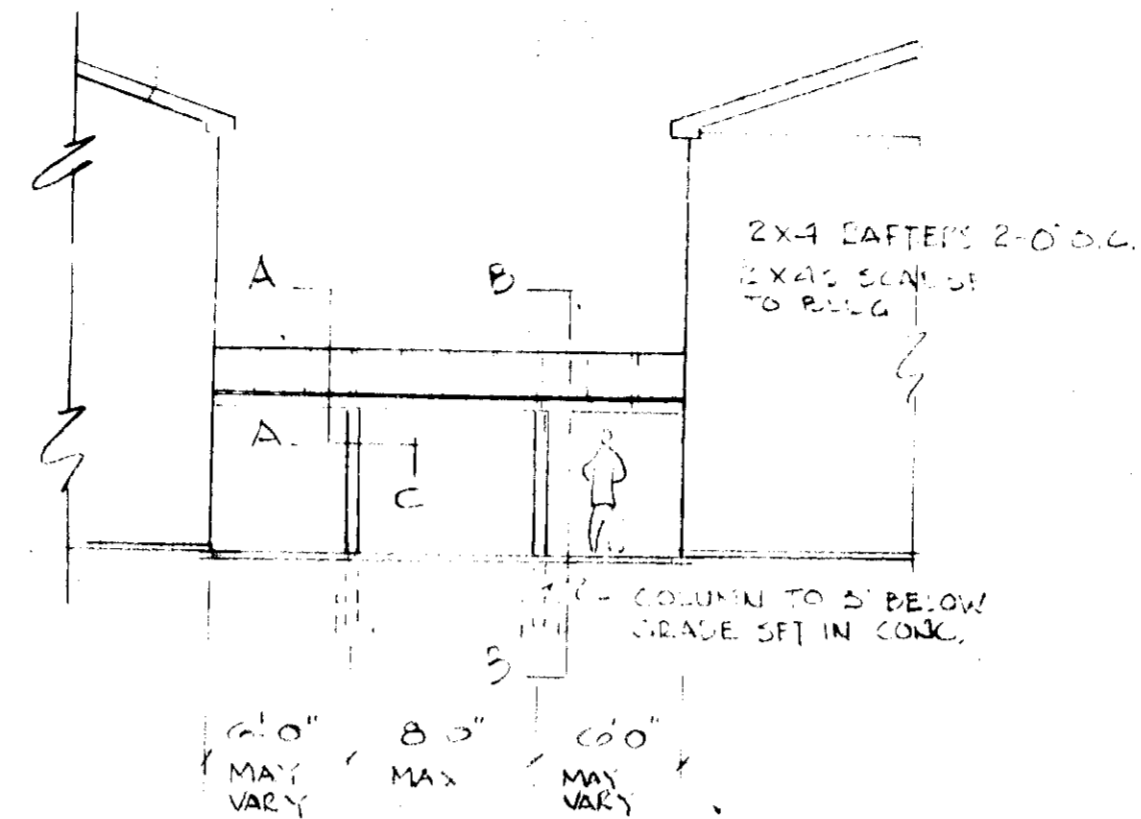
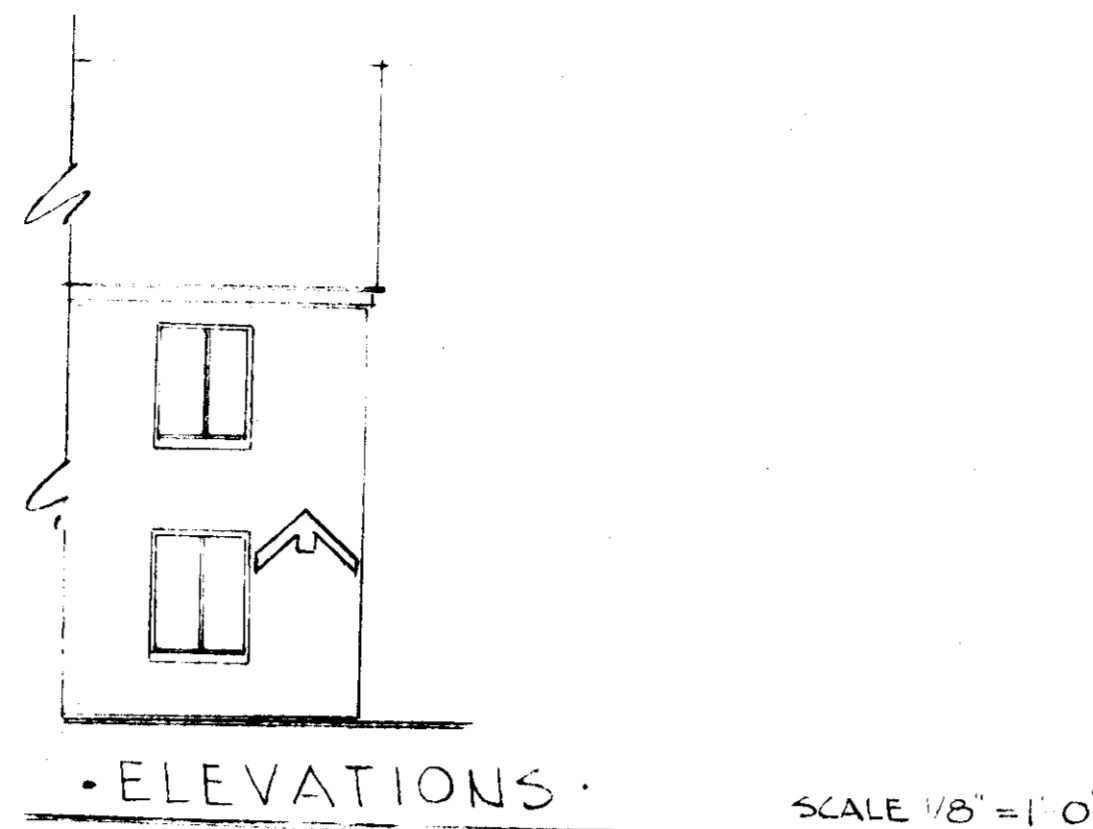


PLAN SCHEDULE

COVER SHEET	1
SITE AND GRADING PLAN	2
SITE AND GRADING PLAN	3
BUILDING LOCATION PLAN	4
BUILDING LOCATION PLAN	5
DRIVEWAY PROFILES AND SECTIONS	6 & 7
DRAINAGE AREA MAP	8
STORM DRAINAGE PLAN	9
STORM DRAINAGE PLAN	10
STORM DRAINAGE PROFILES	11
STORM DRAINAGE PROFILES	12
SEDIMENT AND EROSION CONTROL DETAILS	13
SEDIMENT AND EROSION CONTROL PLAN	14
SEDIMENT AND EROSION CONTROL PLAN	15
SEDIMENT AND EROSION CONTROL PLAN	16

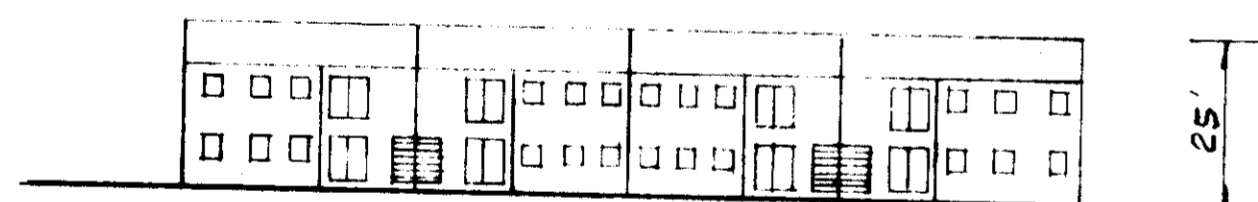
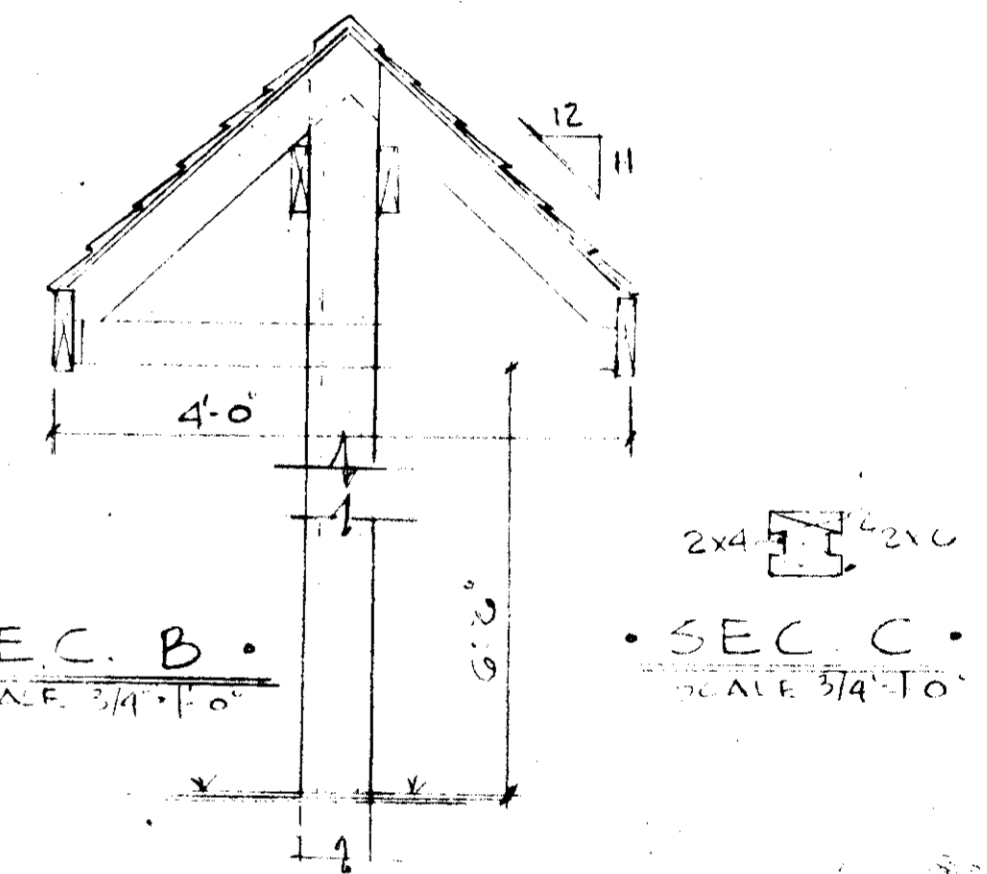


SECTION FOUR AREA 2
PARCEL A

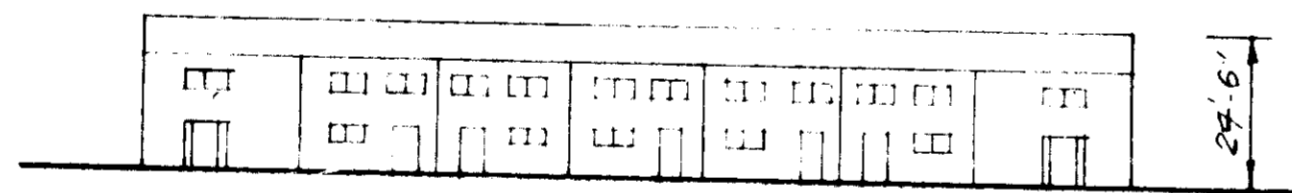
WHISKEY BOTTOM

APARTMENTS

SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.



TYPICAL ELEVATION
BUILDING 20 THRU 25 & 33 THRU 40
NO SCALE



TYPICAL ELEVATION
BUILDING 26 THRU 32
NO SCALE

SHEET 1 OF 16

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS, PUBLIC WATER, SEWER AND STORM DRAIN SYSTEMS AND ROADS

APPROVED: *P. J. Regan Jr.*
DATE: 4-23-76
DIRECTOR

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS - HOWARD COUNTY HEALTH DEPARTMENT.

APPROVED: *Palmer F. Wine*
DATE: 4-27-76
COUNTY HEALTH OFFICER

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

REVIEWED: *Eric Wolman*
DATE: 4/21/76
DISTRICT CONSERVATIONIST
SOIL

APPROVED: *Robert W. ...*
DATE: 4/21/76
HOWARD CO. SOIL CONSERVATION

HOWARD CO OFFICE OF PLANNING & ZONING

APPROVED: *Thomas A. Harris Jr.*
DATE: 4-28-76
PLANNING DIRECTOR

APPROVED: *J. H. Clewson*
DATE: 4/28/76
CHIEF, DIVISION OF LAND USE & TRANSPORTATION PLANNING

APPROVED - PUBLIC ROADS
DATE: 4/22/76
CHIEF, BUREAU OF HIGHWAYS



OWNER

THE HOLLADAY CONST. CORP.
1720 WISCONSIN AVE., N.W.
WASHINGTON, D.C. 20007
PHONE: 338-7735

IPDS

THE INTERPROFESSIONAL
PLANNING & DESIGN
PLANNERS LANDSCAPE ARCHITECTS

850 BLIGO AVENUE SUITE 301
SILVER SPRING, MARYLAND 20910
TELEPHONE: (301) 585-5445

APPROVED
PLANNING BOARD
OF HOWARD COUNTY

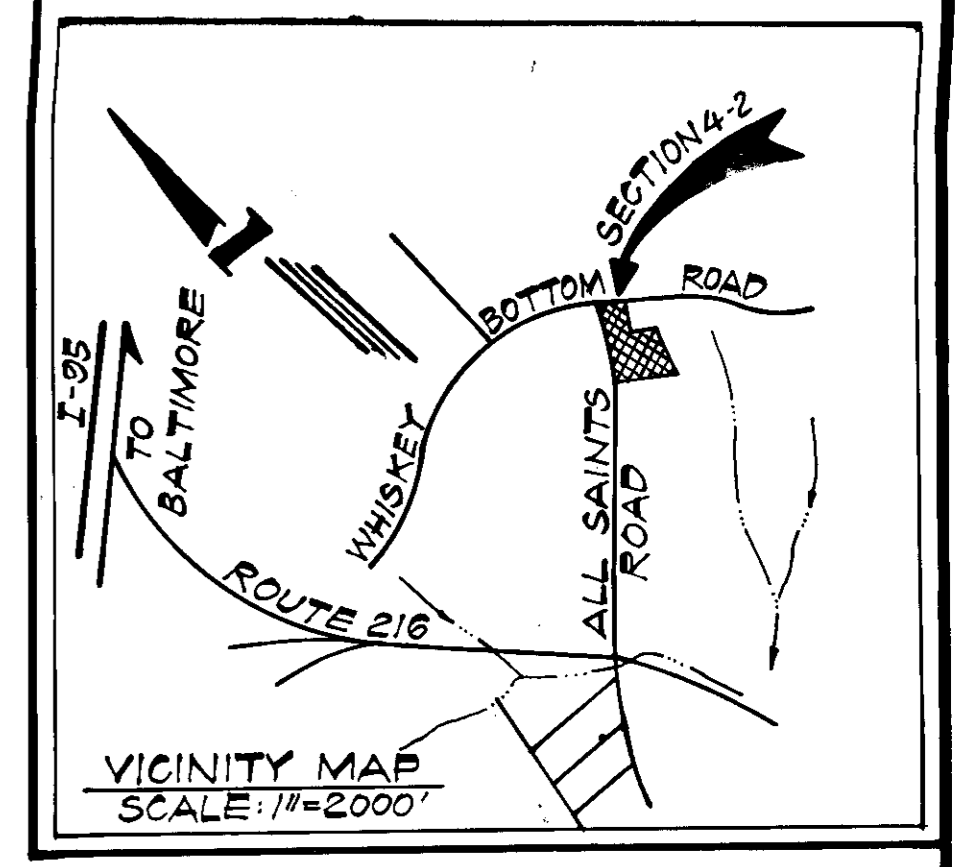
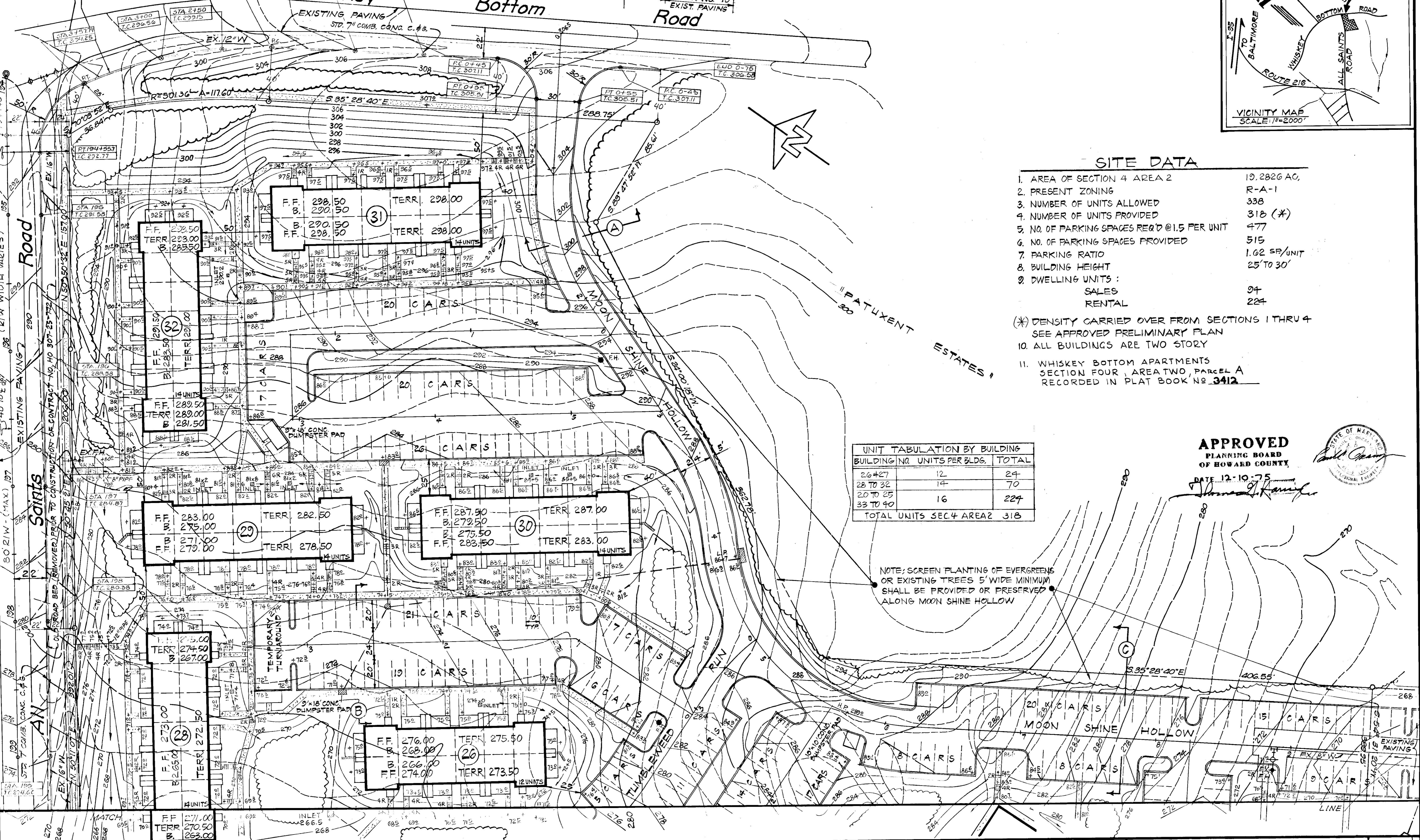
DATE: 12-10-75

Thomas A. Harris Jr.
STUDIO LTD.
ENGINEERS ARCHITECTS

SDP-76-06

CURVE DATA
 R=50', Δ=66°30'
 L=58.03', C=5483'

CURVE DATA
 R=275', Δ=27°30'
 L=143.97', C=142.61'



SITE DATA

1. AREA OF SECTION 4 AREA 2 10.2826 AC.
2. PRESENT ZONING R-A-1
3. NUMBER OF UNITS ALLOWED 338
4. NUMBER OF UNITS PROVIDED 318 (*)
5. NO. OF PARKING SPACES REQ'D @ 1.5 PER UNIT 477
6. NO. OF PARKING SPACES PROVIDED 515
7. PARKING RATIO 1.02 SP/UNIT
8. BUILDING HEIGHT 25' TO 30'
9. DWELLING UNITS :
 SALES 94
 RENTAL 224
- (*) DENSITY CARRIED OVER FROM SECTIONS 1 THRU 4
 SEE APPROVED PRELIMINARY PLAN
10. ALL BUILDINGS ARE TWO STORY
11. WHISKEY BOTTOM APARTMENTS
 SECTION FOUR, AREA TWO, PARCEL A
 RECORDED IN PLAT BOOK NO. 3412

UNIT TABULATION BY BUILDING

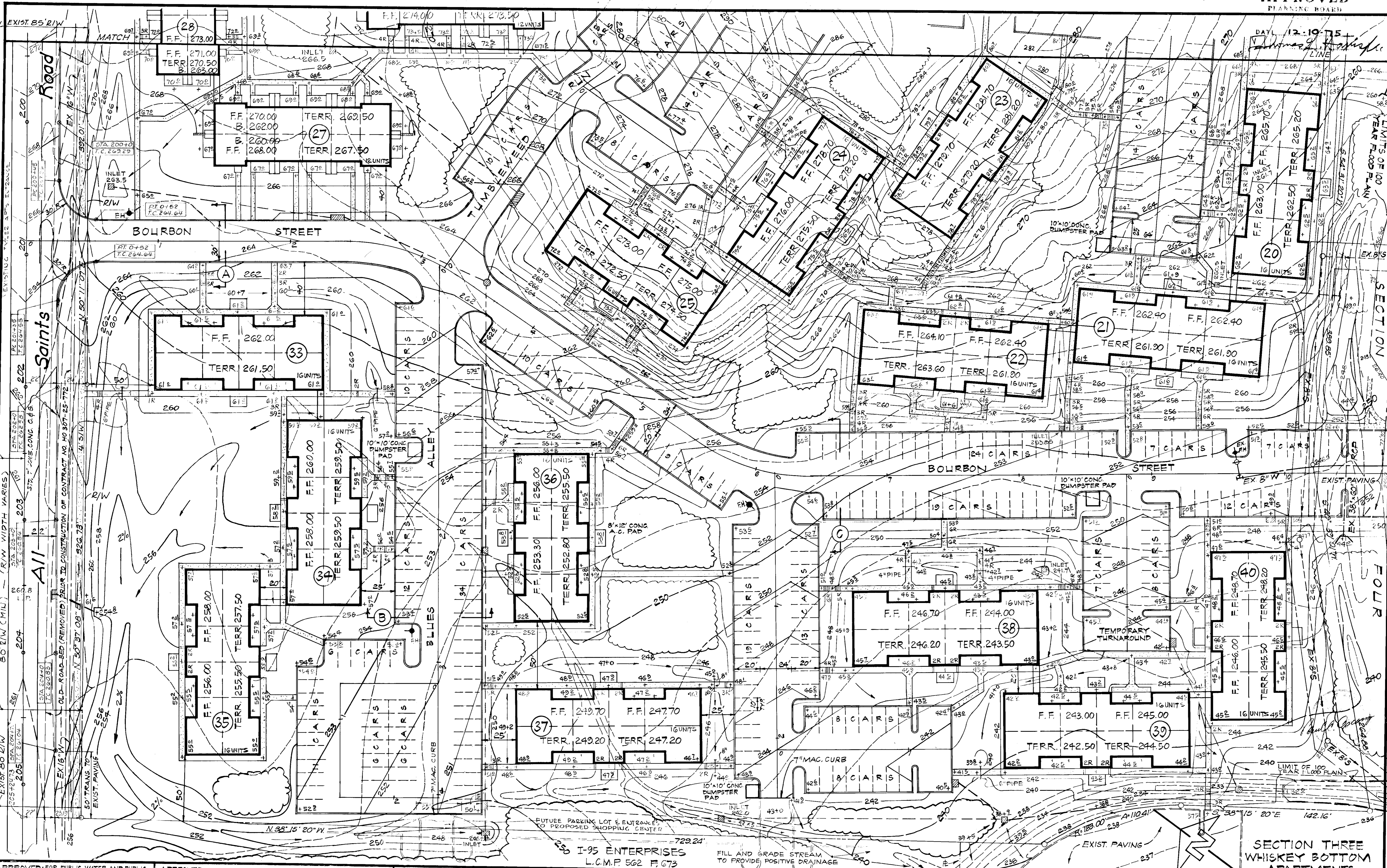
BUILDING NO.	UNITS PER BLDG.	TOTAL
26 & 27	12	24
28 TO 32	14	70
20 TO 25	16	224
TOTAL UNITS SEC. 4 AREA 2		318

NOTE: SCREEN PLANTING OF EVERGREENS OR EXISTING TREES 5' WIDE MINIMUM SHALL BE PROVIDED OR PRESERVED ALONG MOON SHINE HOLLOW

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 12-10-75
Thomas J. Ramirez

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT <i>Robert F. Wind</i> COUNTY HEALTH OFFICER DATE 4-27-76	APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING <i>Thomas J. Ramirez</i> PLANNING DIRECTOR DATE 4-28-76	APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>P. J. Beard</i> DIRECTOR DATE 4-23-76	APPROVED FOR HIGHWAYS HOWARD COUNTY DEPARTMENT OF HIGHWAYS <i>W. H. McKeown</i> CHIEF, BUREAU OF HIGHWAYS DATE 4-23-76	SECTION FOUR AREA 2 WHISKEY BOTTOM APARTMENTS SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.	SITE PLAN SCALE: 1"=30' C.I.=2' JUNE, 1975	REVISIONS 1-1-75	IPDS INCORPORATED 1800 BROAD AVENUE, SUITE 301 SILVER SPRING, MARYLAND 20910 TELEPHONE: (301) 565-5448	SHEET 2 OF 16
--	---	---	--	--	--	---------------------	---	------------------------

DATE: 12-10-75
Howard County



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Palmer J. Ware 4-23-76
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Davis 4-28-76
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
D. D. Reed 4-23-76
DIRECTOR DATE

SECTION FOUR, AREA 2, PARCEL A
WHISKEY BOTTOM APARTMENTS
SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

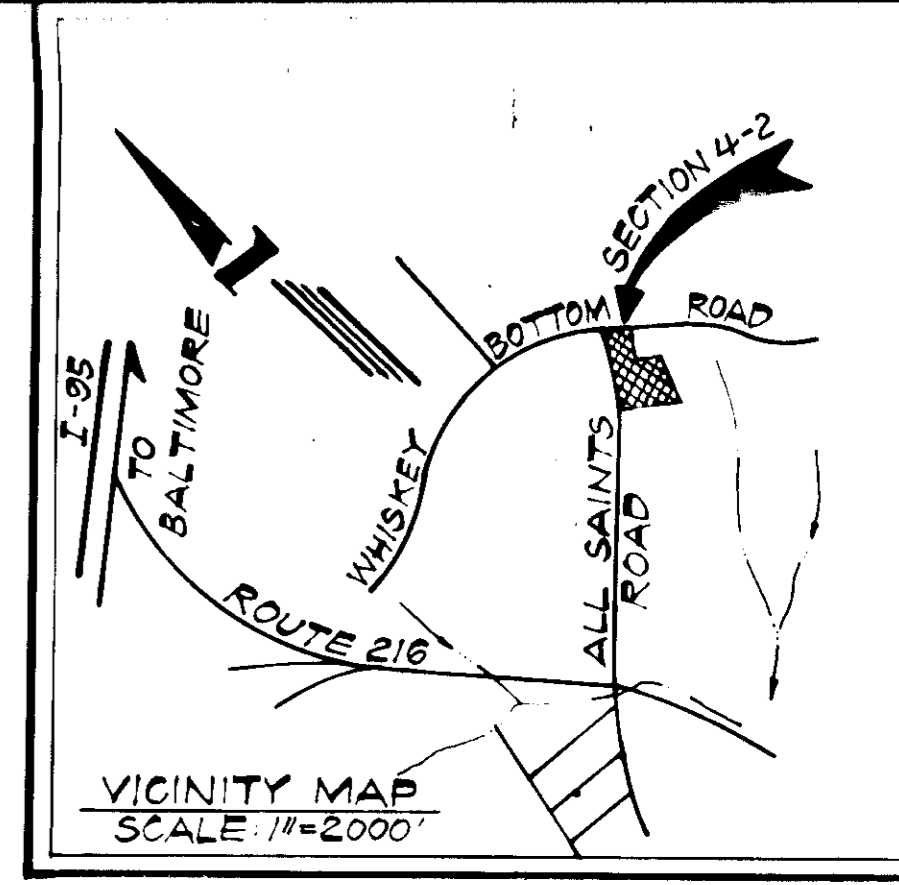
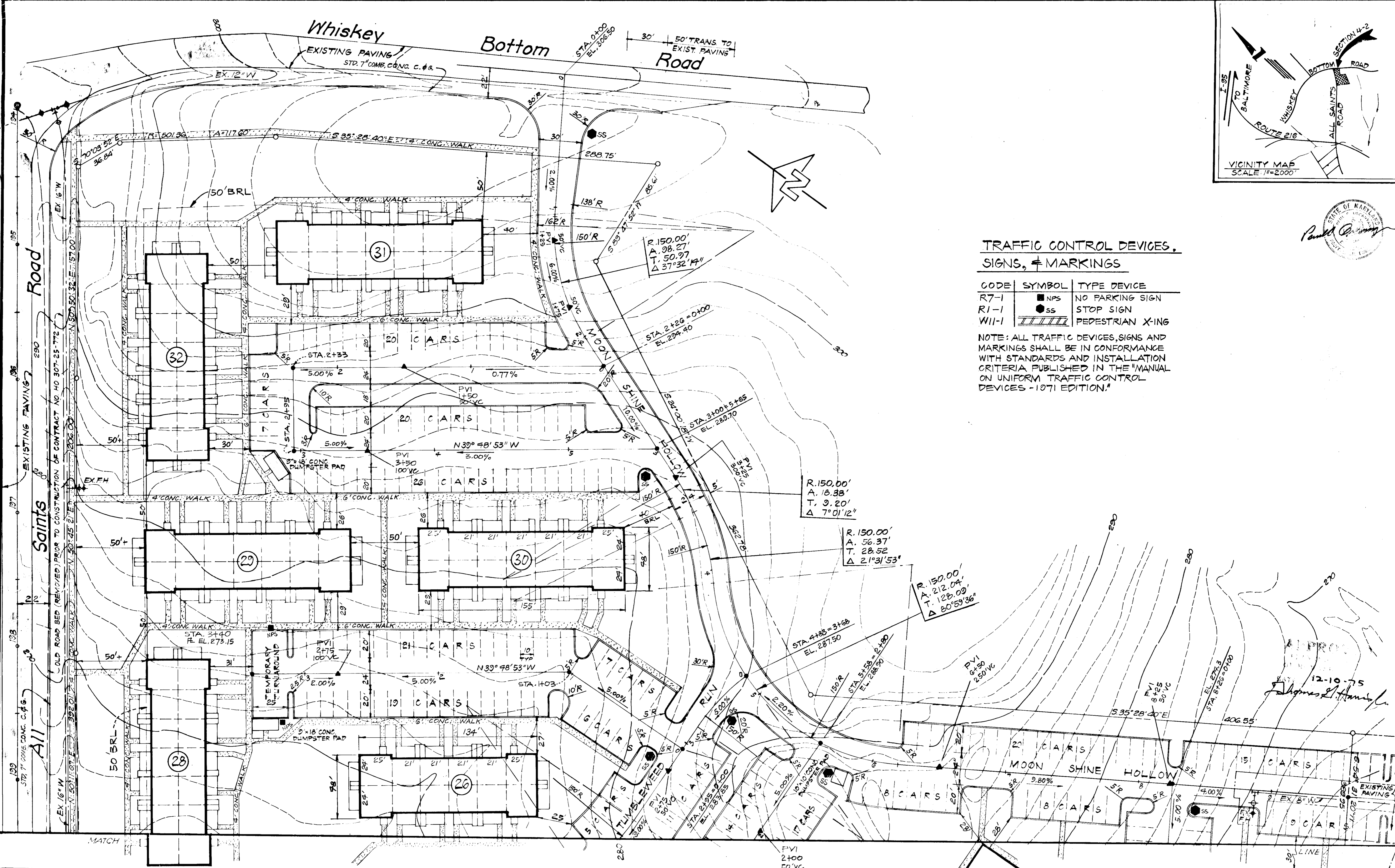
SITE PLAN
SCALE: 1"=30' 1/2"=2' JUNE, 1975

REVISIONS
7-1-75

IPDS
1100 PLANNING & DESIGN STUDIO, LTD.
1100 PLANNING & DESIGN STUDIO, LTD.

SHEET
3
OF
16

SJP 76-05



TRAFFIC CONTROL DEVICES, SIGNS, & MARKINGS

CODE	SYMBOL	TYPE DEVICE
R7-1	■ NPS	NO PARKING SIGN
R1-1	● SS	STOP SIGN
W11-1	▤	PEDESTRIAN X-ING

NOTE: ALL TRAFFIC DEVICES, SIGNS AND MARKINGS SHALL BE IN CONFORMANCE WITH STANDARDS AND INSTALLATION CRITERIA PUBLISHED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - 1971 EDITION."

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Palm F. Wise 4-27-76
 COUNTY HEALTH OFFICER DATE

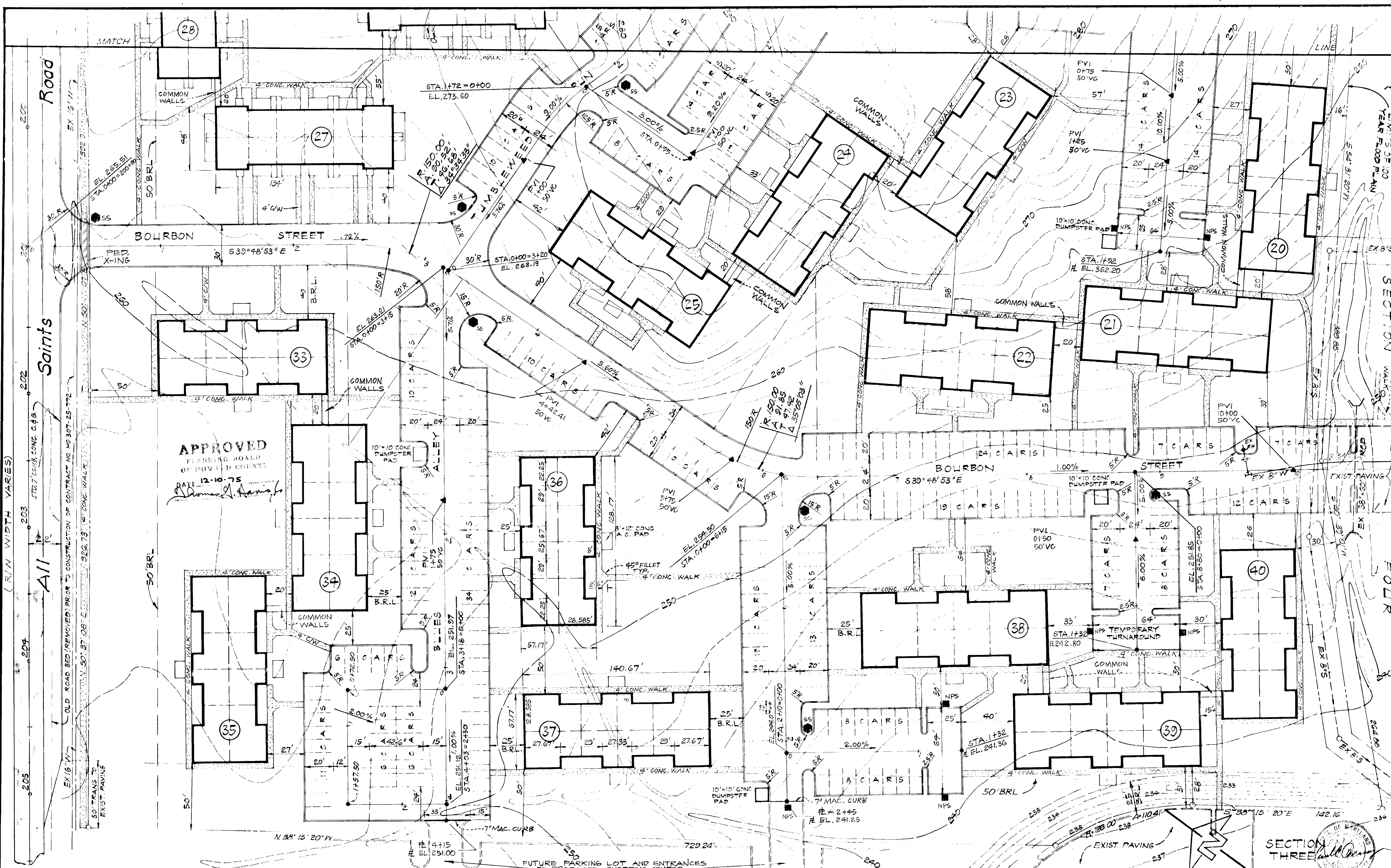
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Ronald L. Hinkle 4-28-76
 PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
P. J. [Signature] 4-25-76
 DIRECTOR DATE

SECTION FOUR AREA 2 PARCEL A
WHISKEY BOTTOM APARTMENTS
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

BUILDING LOCATION PLAN
 SCALE: 1" = 30' C.I. = 2' JUNE, 1975

IPDS
 PLANNING & DESIGN STUDIO, LTD.
 PLANNERS, LANDSCAPE ARCHITECTS, ENGINEERS, ARCHITECTS



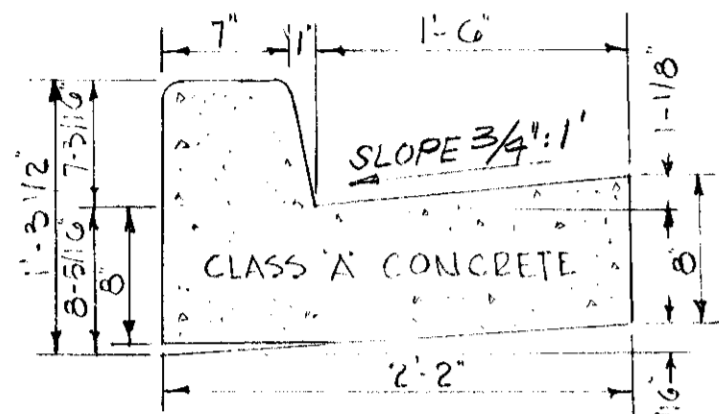
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 12-10-75
Thomas J. Davis

SECTION THREE
THREE

APPROVED FOR PUB. & WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT <i>Thomas J. Davis</i> 4-27-76 COUNTY HEALTH OFFICER DATE	APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING <i>Thomas J. Davis</i> 4-27-76 PLANNING DIRECTOR DATE	APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>P. J. ...</i> 4-23-76 DIRECTOR DATE	SECTION FOUR AREA 2 PHASE A WHISKEY BOTTOM APARTMENTS SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.	BUILDING LOCATION PLAN SCALE: 1" = 30' C.I. = 2" JUNE, 1975	REVISIONS IPDS PLANNING & DESIGN STUDIO, LTD. SHEET 5 OF 16 SDP 76-06
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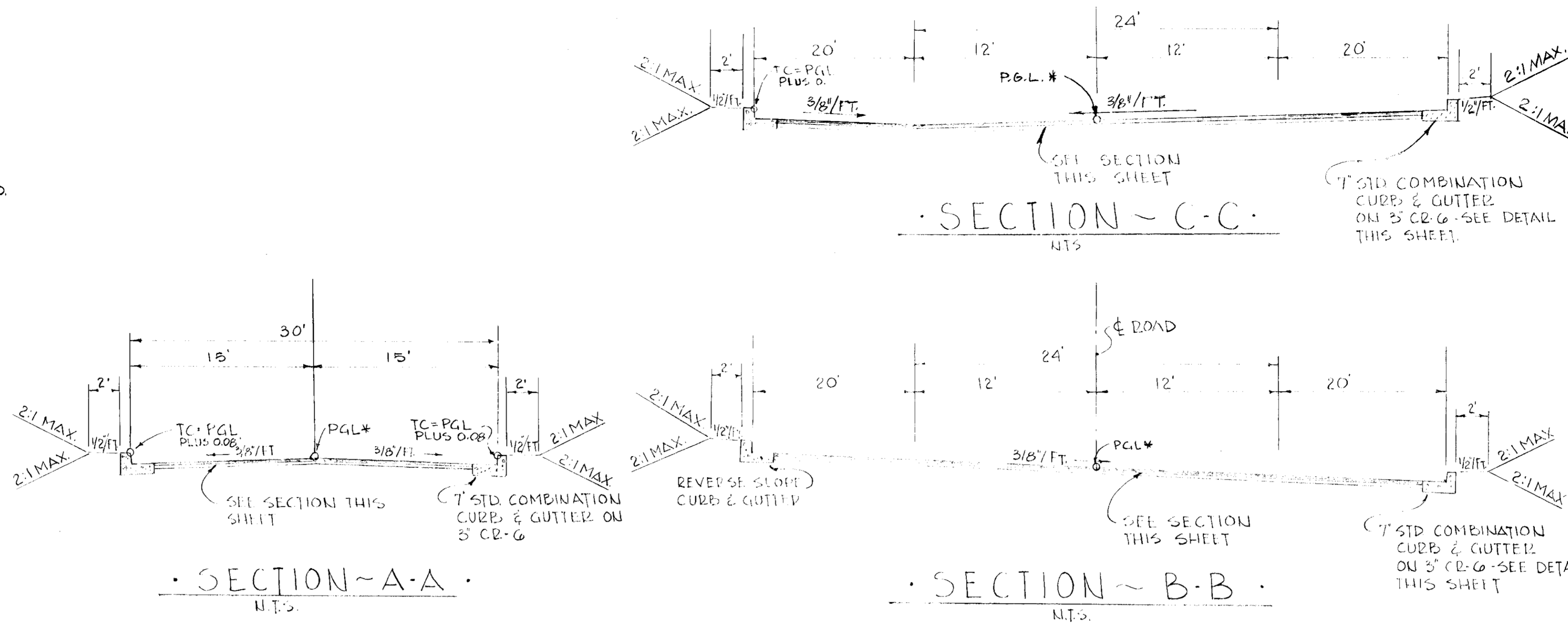
NOTES

- DESIGN SPEED = 25 M.P.H.
- CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS OF HOWARD COUNTY.
- ALL PARKING BAYS TO BE STRIPED IN 10' WIDE BY 20' LONG.
- ALL ROADWAY TO BE PRIVATELY MAINTAINED.



STANDARD 7" COMBINATION CURB & GUTTER

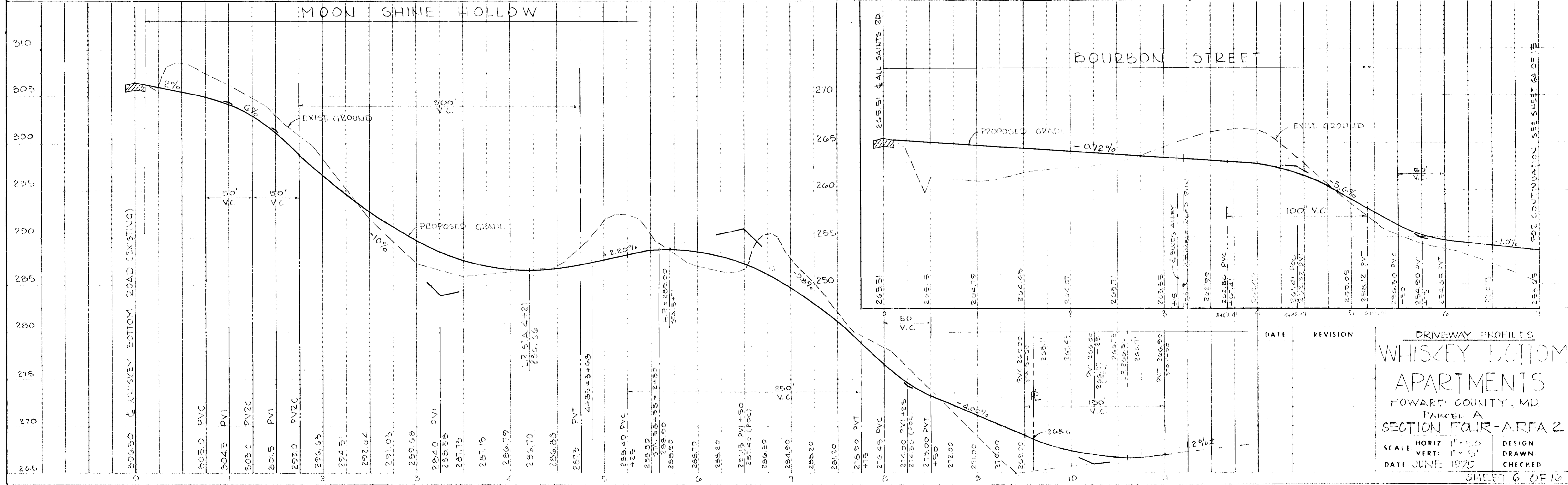
STD. DWG. NO. D-40, PG. 95
HOWARD COUNTY ROAD CONSTRUCTION CODE.



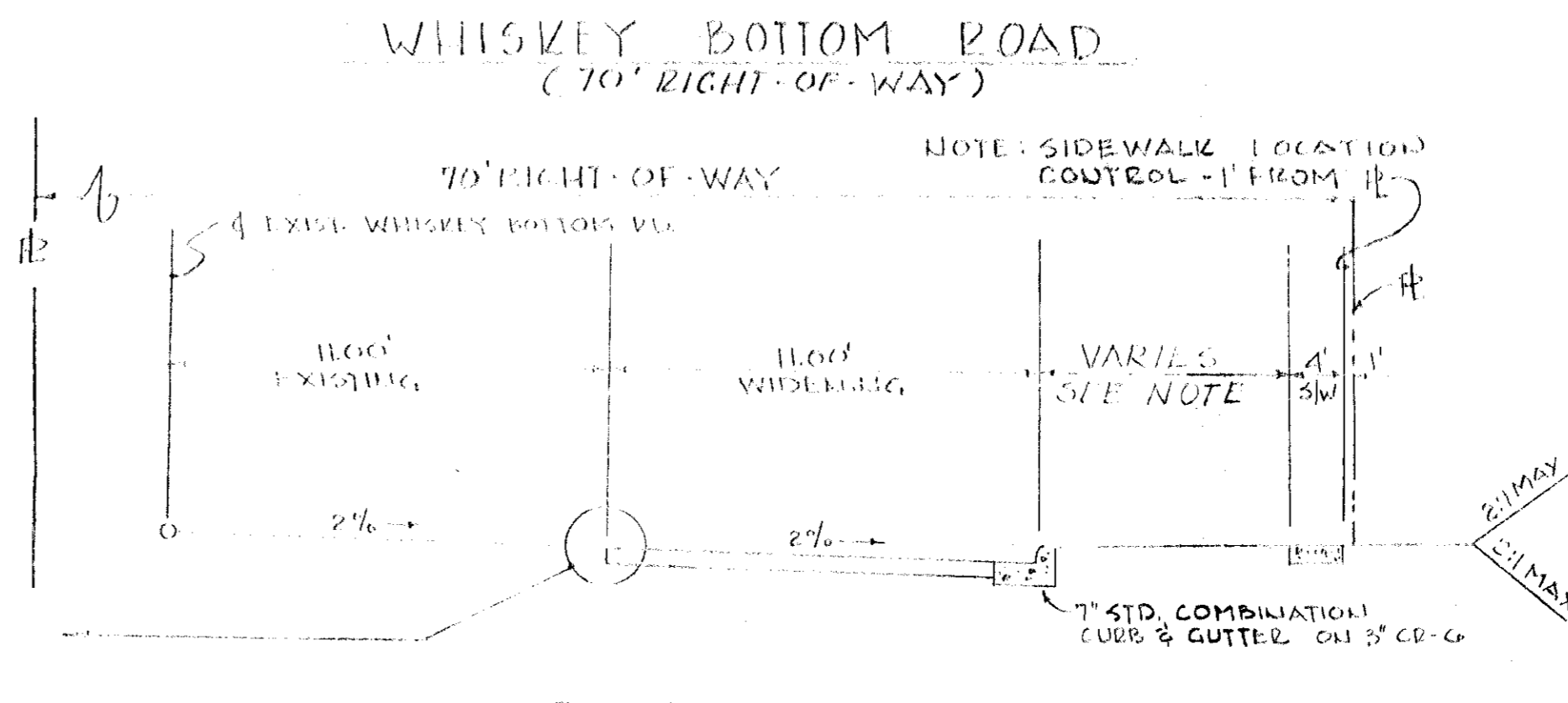
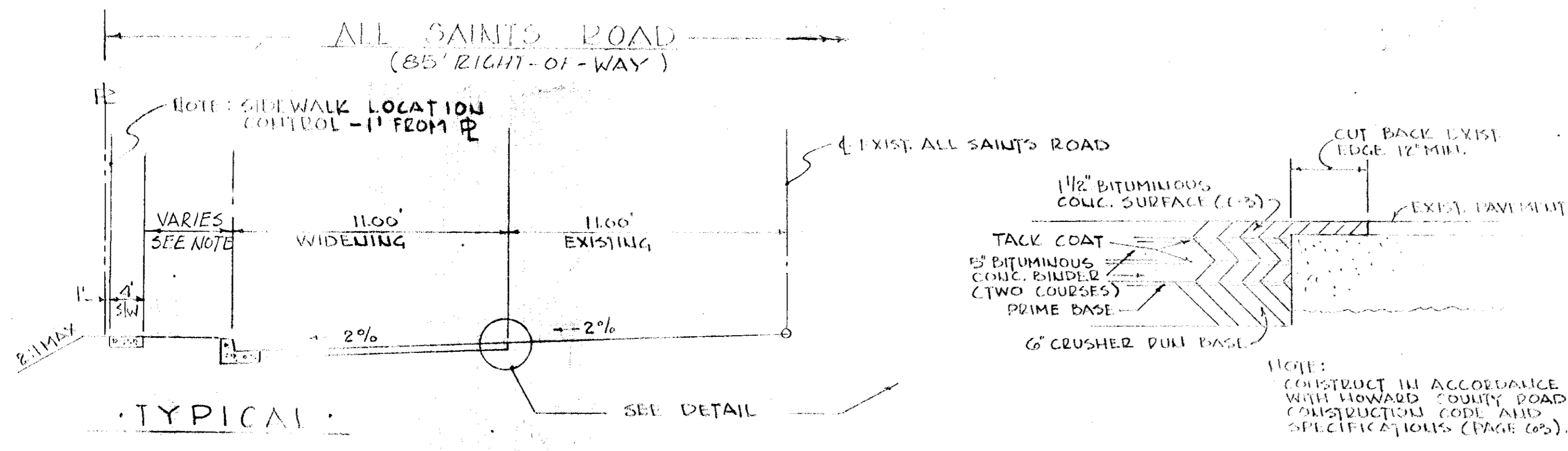
PAVING SECTION - PRIVATE ROAD ONLY

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 12-10-75
Thomas J. Starnigh

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Palmer F. Webb 4-27-76 DATE
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James J. Amis 4-27-76 DATE
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS, AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John J. Calver 4-27-76 DATE
John P. McKeand 4-27-76 DATE



DRIVEWAY PROFILES
WHISKEY BOTTOM APARTMENTS
HOWARD COUNTY, MD.
PARCEL A
SECTION FOUR-AREA 2
SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'
DATE: JUNE 1975
DESIGN: [Signature]
DRAWN: [Signature]
CHECKED: [Signature]



SECTION - ROAD WIDENING.

NOTE: VARIABLE DISTANCE BETWEEN F/C & S/W

ALL SAINTS RD STATION	FACE OF CURB TO EDGE OF SIDEWALK DISTANCE
194+143.00	17.00'
198+06.00	17.00'
201+98.00	19.00'
205+24.73	18.19'

SEE SHEET 2 & 3 OF 16 FOR ABOVE DATA

NOTE: VARIABLE DISTANCE BETWEEN F/C & S/W ALONG WHISKEY BOTTOM ROAD

DISTANCE FROM MOON SHINE HOLLOW ALONG F.C.	DISTANCE FROM FACE OF CURB TO EDGE OF SIDEWALK
STA. 0+75	35.11'
STA. 0+45	36.11'
STA. 0+45	35.11'
STA. 1+00	35.11'
STA. 1+50	35.11'
STA. 2+13.75	35.11'
STA. 2+50	32.11'
STA. 3+00	28.11'
STA. 3+57.74	22.51'

SEE SHEET 2 OF 16 FOR ABOVE DATA

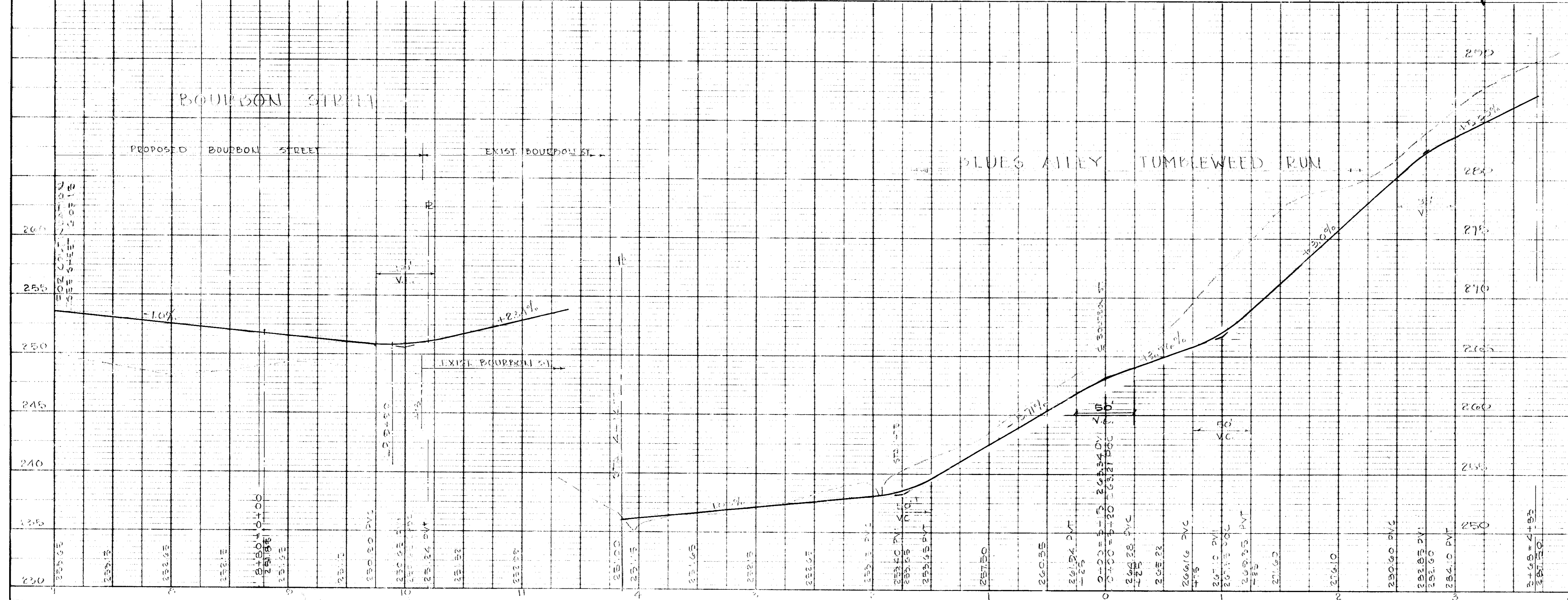
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 12-10-75
Sharon L. Harris



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Palmer F. Wine 4-17-76
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
4-28-76
Sharon L. Harris *James J. Harris*
PLANNING DIRECTOR DATE HEALTH DEPARTMENT PLANNING

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
4-23-76
John A. McKeon
DIRECTOR DATE



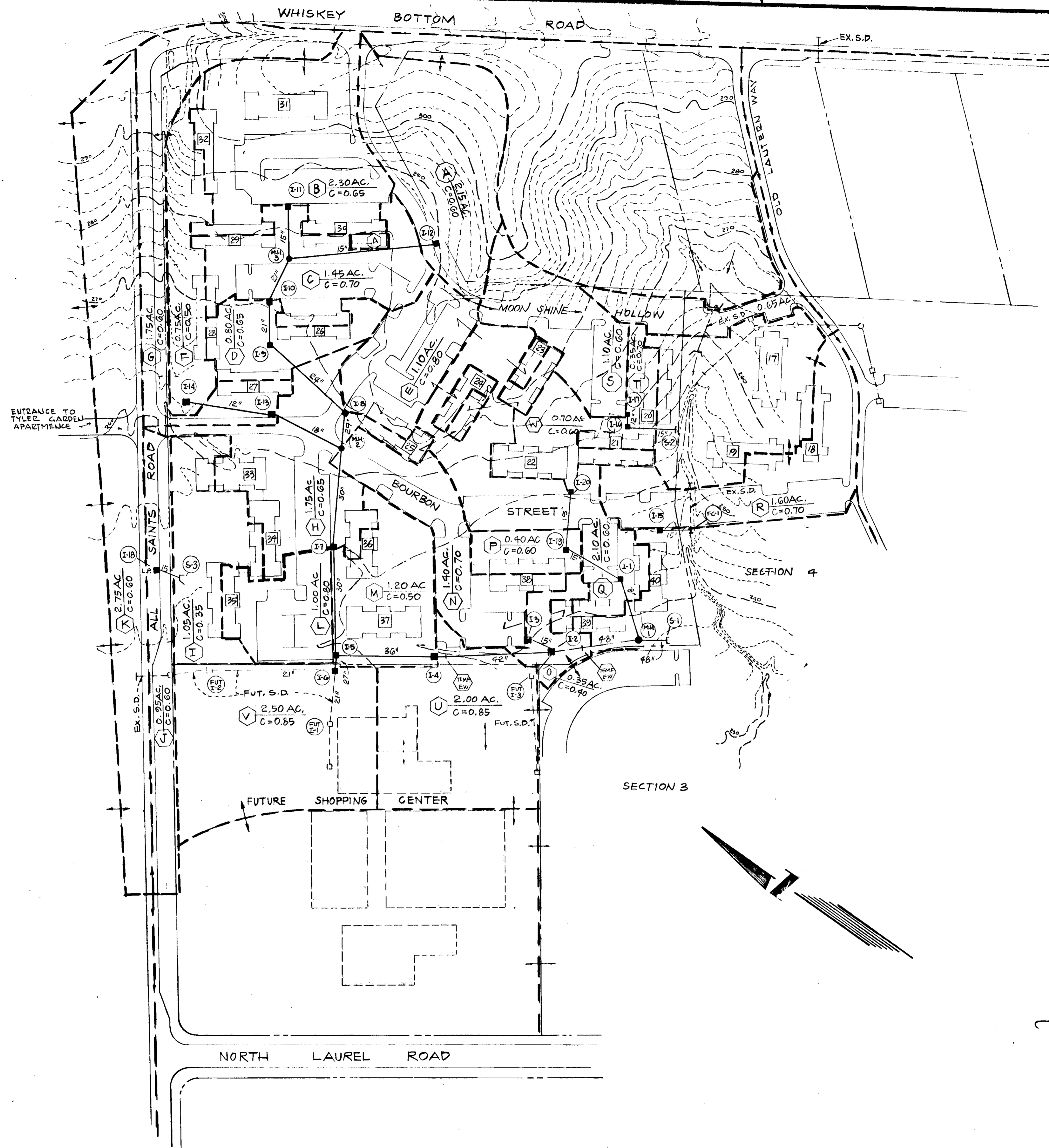
DATE	REVISION

DRIVEWAY PROFILES
WHISKEY BOTTOM APARTMENTS
HOWARD COUNTY, MD.
SECTION FOUR - AREA 2

SCALE: HORIZ: 1" = 50'
VERT: 1" = 5'
DATE: JUNE

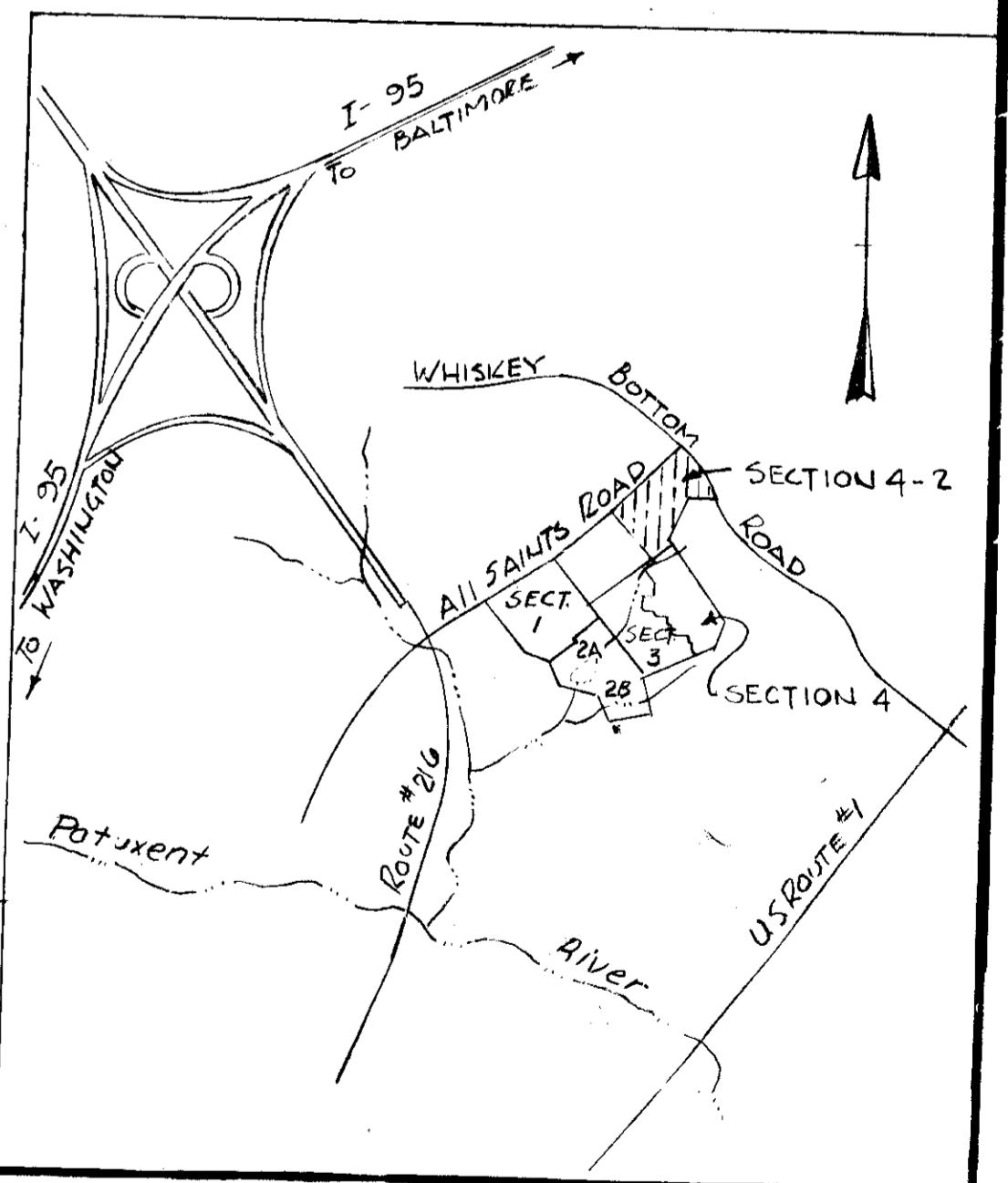
DESIGN:
DRAWN:
CHECKED:

SHEET 7 OF 16
SDP 76-06



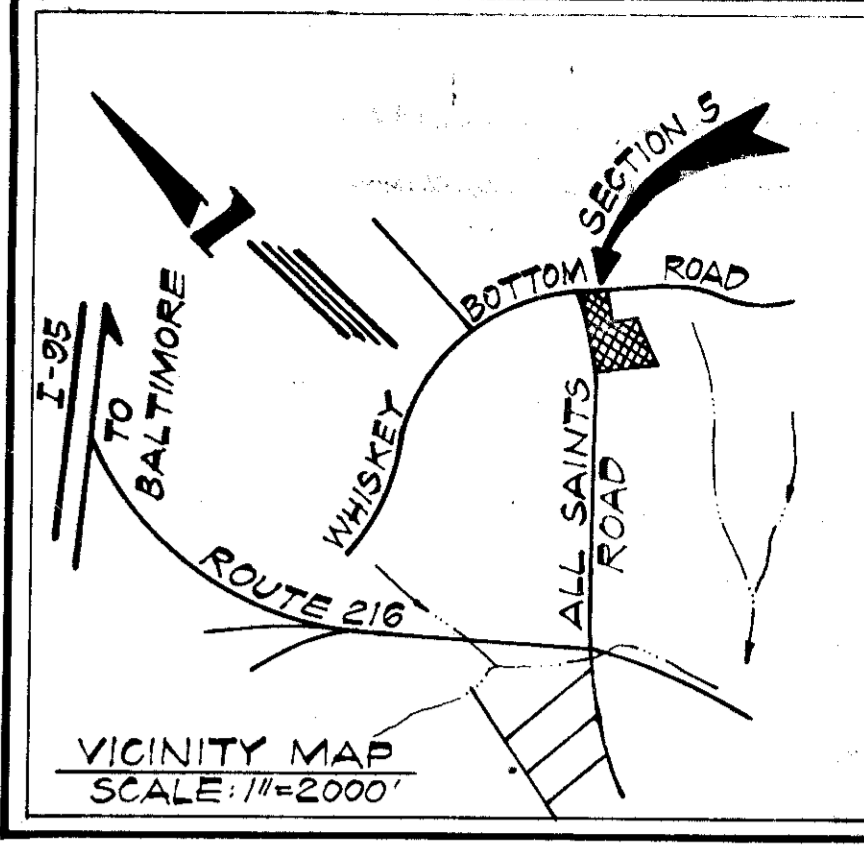
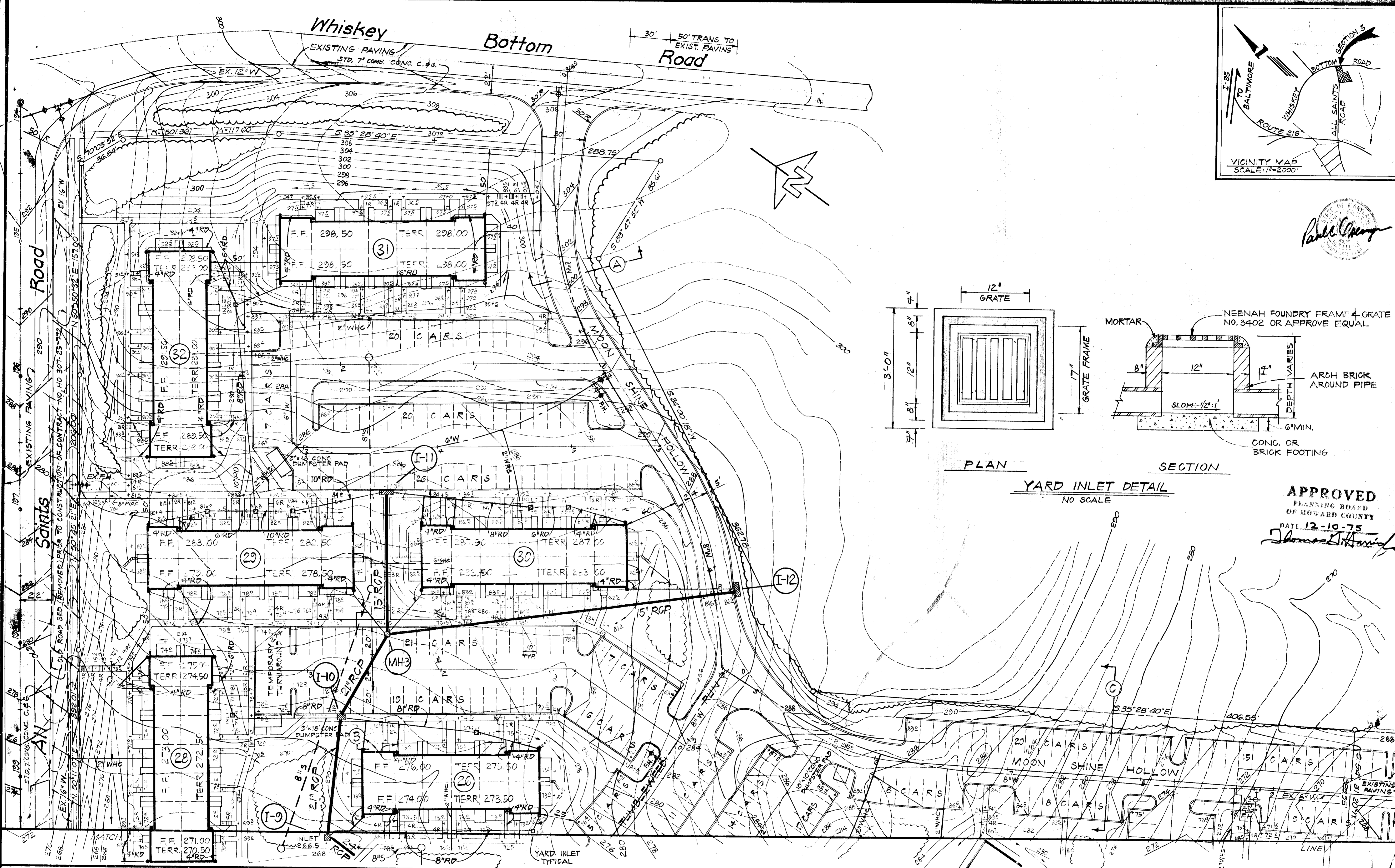
STRUCTURE SCHEDULE					
NO	TYPE	TOP ELEVATION	REMARKS	INJ. IN	INJ. OUT
S-1	B-EW		30 L.F. RIP RAP OUTLET, PG. 103	232.00	
S-2	C-EW		RIP RAP OUTLET, PG. 107	249.50	
S-3	F-EW		CASE NO. 4, PG. 114	256.80	
			SEE DETAIL ON SHEET II OF IS		
I-1	A-5	242.70	PG. 119-A	237.00	236.00
I-2	"5"	238.20	PG. 157	235.80	233.20
I-3	A-5	241.00	PG. 118-A		236.20
I-4	"5"	242.00	PG. 157		236.20
I-5	A-10	250.70	PG. 119-A	236.00	236.00
I-6	S-COMB	TC - 246.60	PG. 119-A	244.00	242.20
I-7	A-10	252.50	PG. 119-A	245.50	247.55
I-8	A-10	265.70	PG. 119-A	248.00	247.20
I-9	"5"	266.50	PG. 119-A	258.00	258.00
I-10	A-5	271.80	PG. 153	262.50	261.80
I-11	A-10	283.80	PG. 119-A	266.50	266.50
I-12	A-10	286.90	PG. 119-A	276.00	276.00
I-13	A-10	263.10	PG. 119-A	250.00	268.20
I-14	"5"	263.50	PG. 153		268.20
I-15	A-5	250.50	PG. 119-A		260.00
I-16	"5"	260.50	PG. 153		247.00
I-17	A-5	261.20	PG. 119-A	257.00	256.50
I-18	S-COMB	260.70	PG. 154		258.00
I-19	"5"	241.70	PG. 153		257.00
MH-1	MANHOLE	239.50	PG. 153		232.25
MH-2	MANHOLE	262.30			251.15
MH-3	MANHOLE	273.70			258.80
FC-1	FIELD CONNECTION	255.85			268.00
I-20	"5"			245.10	247.10

VICINITY MAP
SCALE: 1" = 2000'

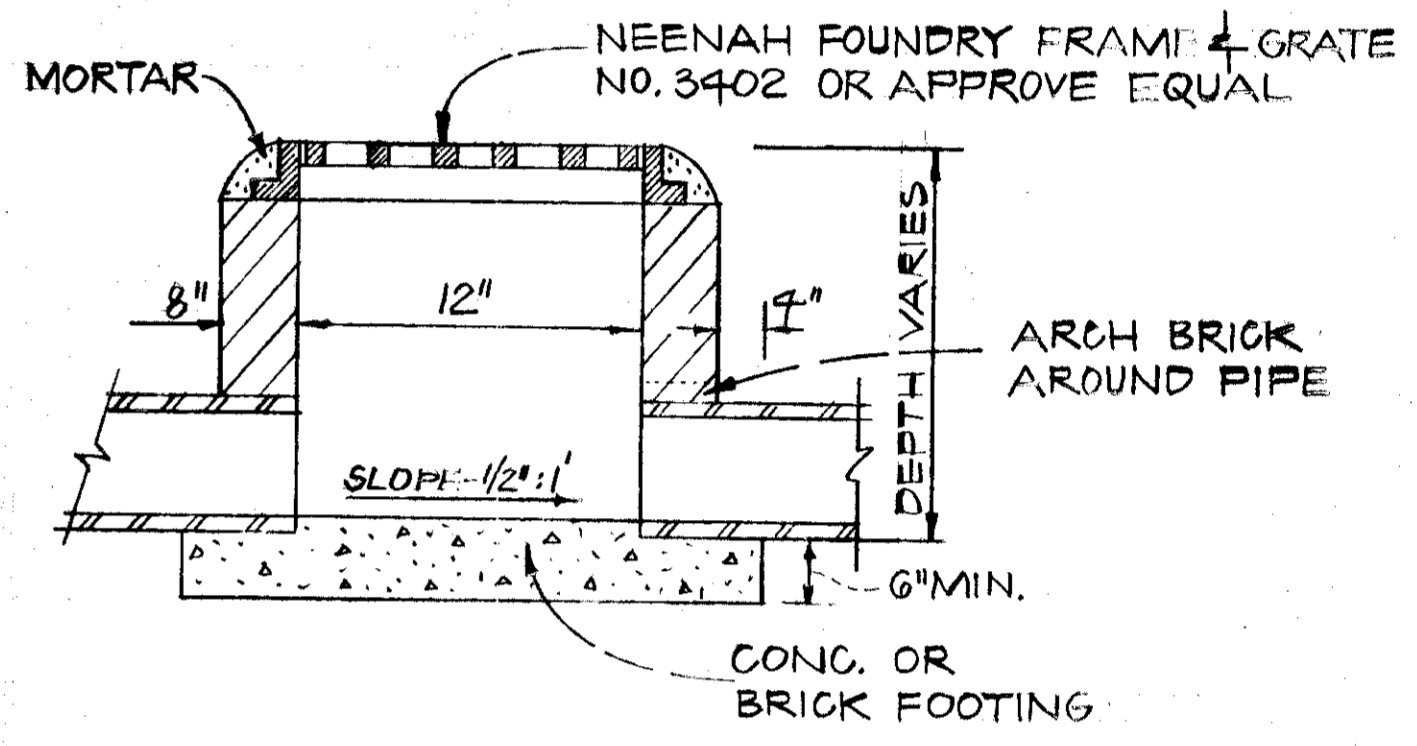
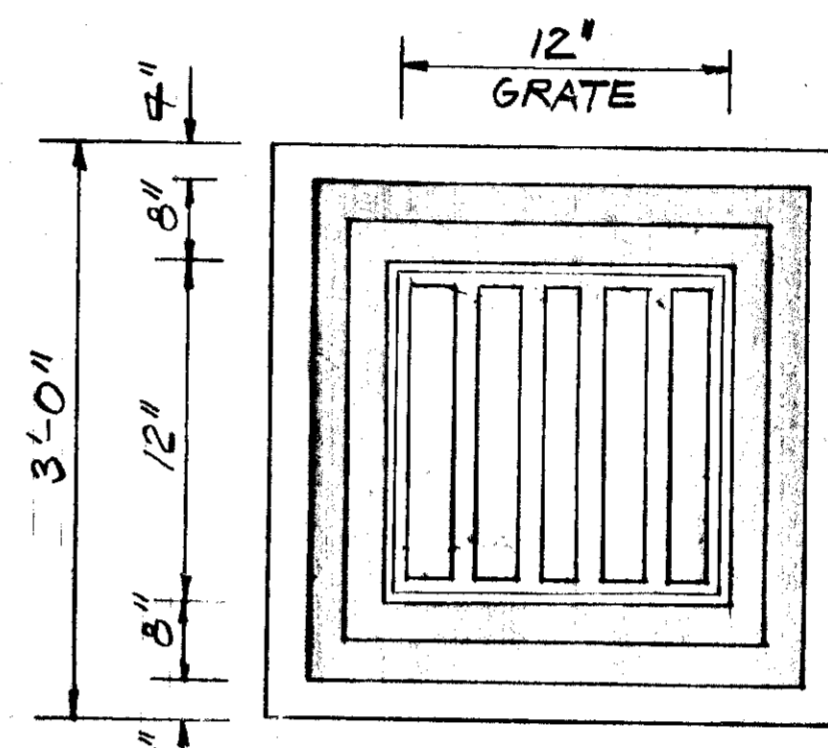


APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 12-19-75
Thomas A. Harris
Paul C. ...

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT <i>Robert J. Wine</i> 4-27-76 COUNTY HEALTH OFFICER DATE	APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING <i>Thomas A. Harris</i> 4-28-76 PLANNING DIRECTOR DATE	APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>Paul J. ...</i> 4-23-76 DIRECTOR DATE	APPROVED FOR HIGHWAYS <i>W. M. ...</i> CHIEF BUREAU OF HIGHWAYS DATE	SECTION FOUR AREA 2 PARCEL A WHISKEY BOTTOM APARTMENTS SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.	DRAINAGE AREA MAP SCALE: 1"=100' JUNE, 1975	REVISIONS	IPDS PLANNING & DESIGN STUDIO, LTD. 1100 ...	SHEET 8 OF 16
---	---	--	--	--	--	-----------	---	------------------------



Paul G. Gray
SEAL OF THE PROFESSIONAL ENGINEER



PLAN SECTION
YARD INLET DETAIL
NO SCALE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 12-10-75
James D. Smith

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Palmer F. Wines 4-27-76
COUNTY HEALTH OFFICER DATE

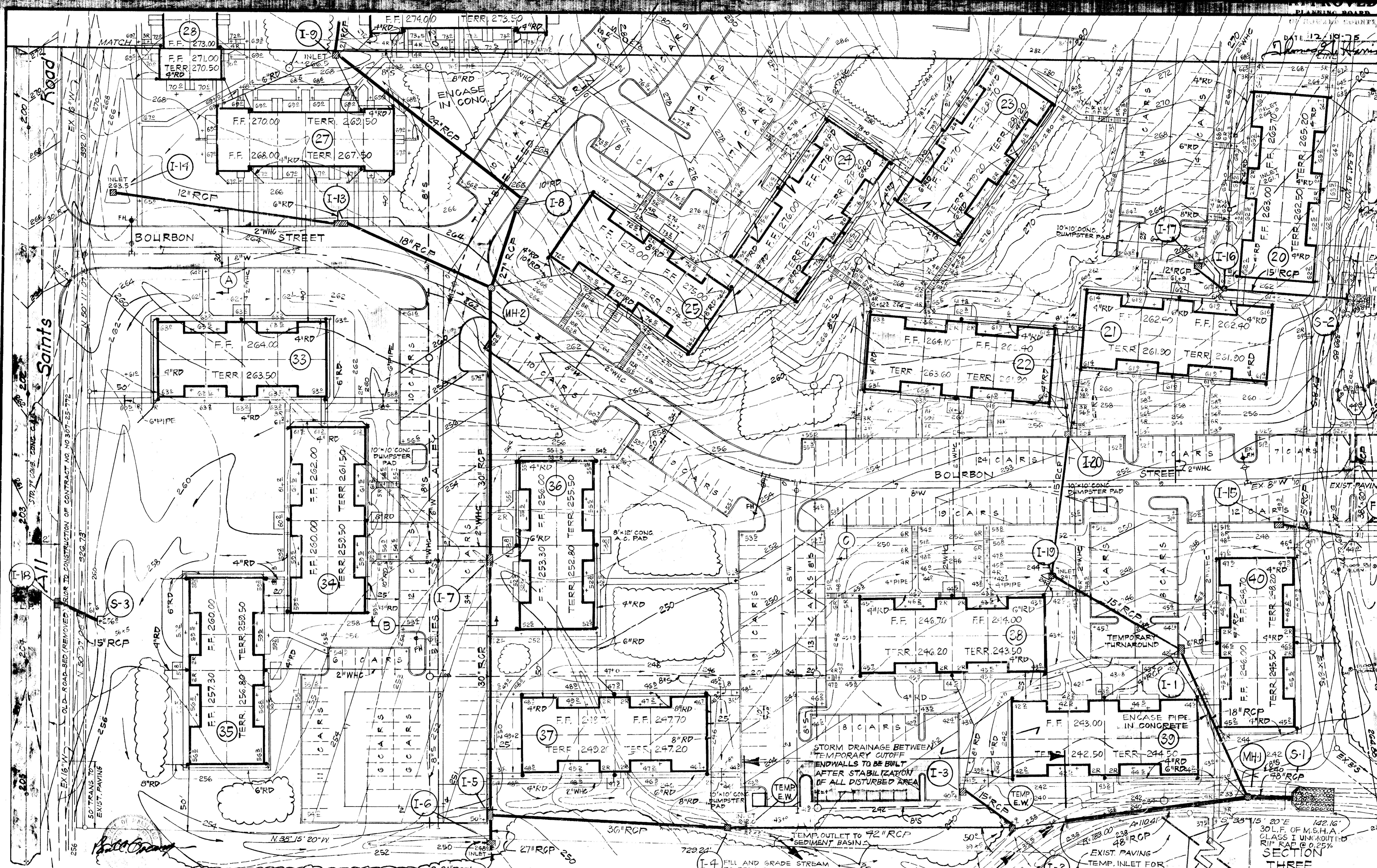
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James D. Smith 4-28-76
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. M. Neumann 4/28/76
DIRECTOR DATE

SECTION FOUR AREA 2 PARCEL A
WHISKEY BOTTOM APARTMENTS
SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

STORM DRAINAGE PLAN
SCALE: 1"=30' CI.=2" JUNE, 1975

REVISIONS
IPDS
850 SILVER SPRING AVENUE SUITE 300
SILVER SPRING, MARYLAND 20910
TELEPHONE: (301) 555-5448
PLANNING & DESIGN STUDIO LTD.
Planners-Landscape Architects-Engineers-Architects
SHEET 9 OF 16
SDP 76-06



DATE 12-18-75
 Approved: Howard County
 Planning Board

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Robert F. Wine 4-27-76
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Ronald J. Smith 4-28-76
 PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 R. D. [Signature] 4-23-76
 DIRECTOR DATE

SECTION FOUR AREA 2 PARCEL A
WHISKEY BOTTOM APARTMENTS
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

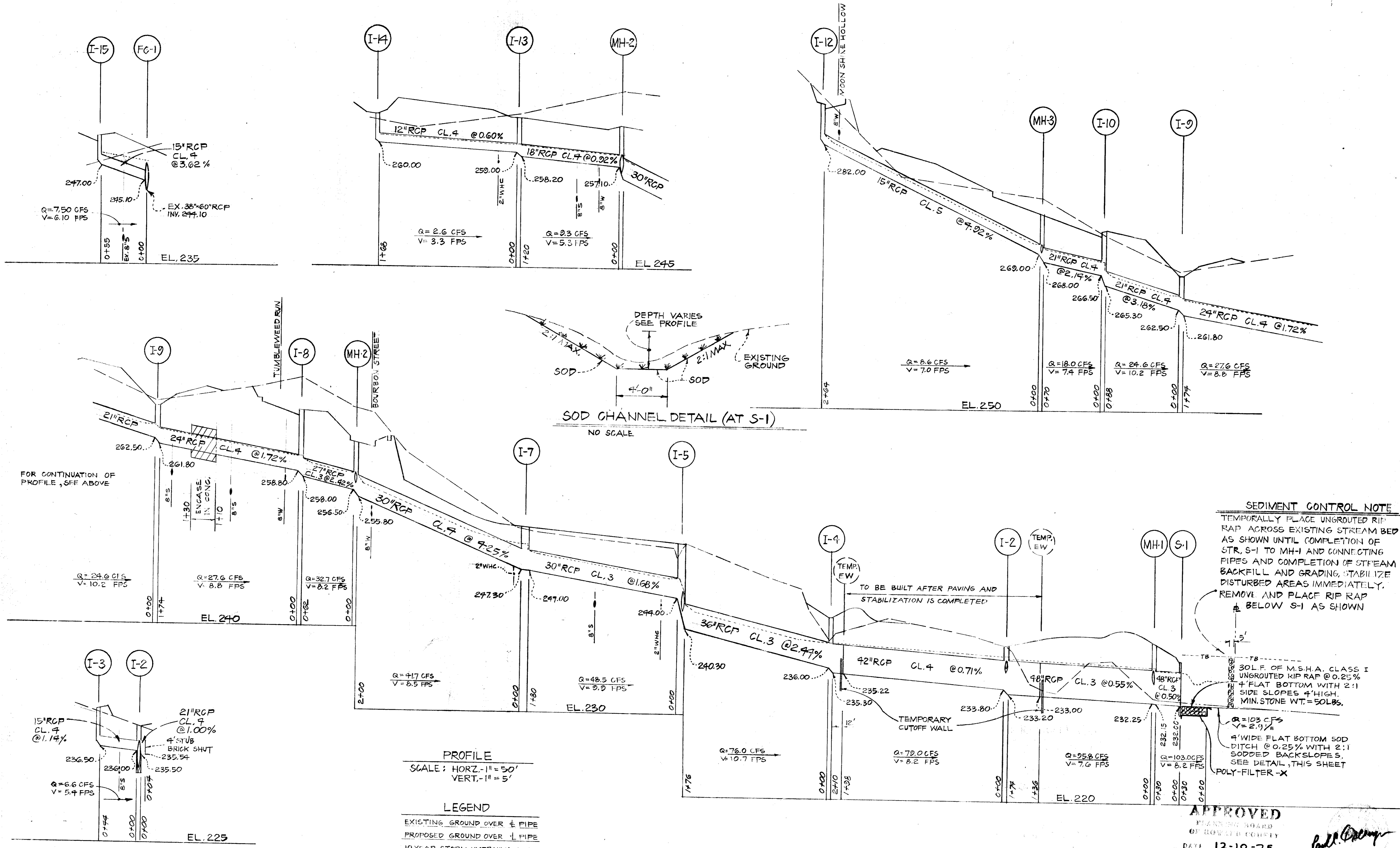
STORM DRAINAGE PLAN
 SCALE: 1"=30' @ 1:2" JUNE, 1975

REVISIONS

IPDS
 PLANNING & DESIGN STUDIO LTD.
 Planners, Landscape Architects, Engineers, Architects

SHEET 10 OF 16

SDP 76-06



SOD CHANNEL DETAIL (AT S-1)
NO SCALE

SEDIMENT CONTROL NOTE
TEMPORARILY PLACE UNGROUTED RIP RAP ACROSS EXISTING STREAM BED AS SHOWN UNTIL COMPLETION OF STR. S-1 TO MH-1 AND CONNECTING PIPES AND COMPLETION OF STREAM BACKFILL AND GRADING. STABILIZE DISTURBED AREAS IMMEDIATELY. REMOVE AND PLACE RIP RAP BELOW S-1 AS SHOWN

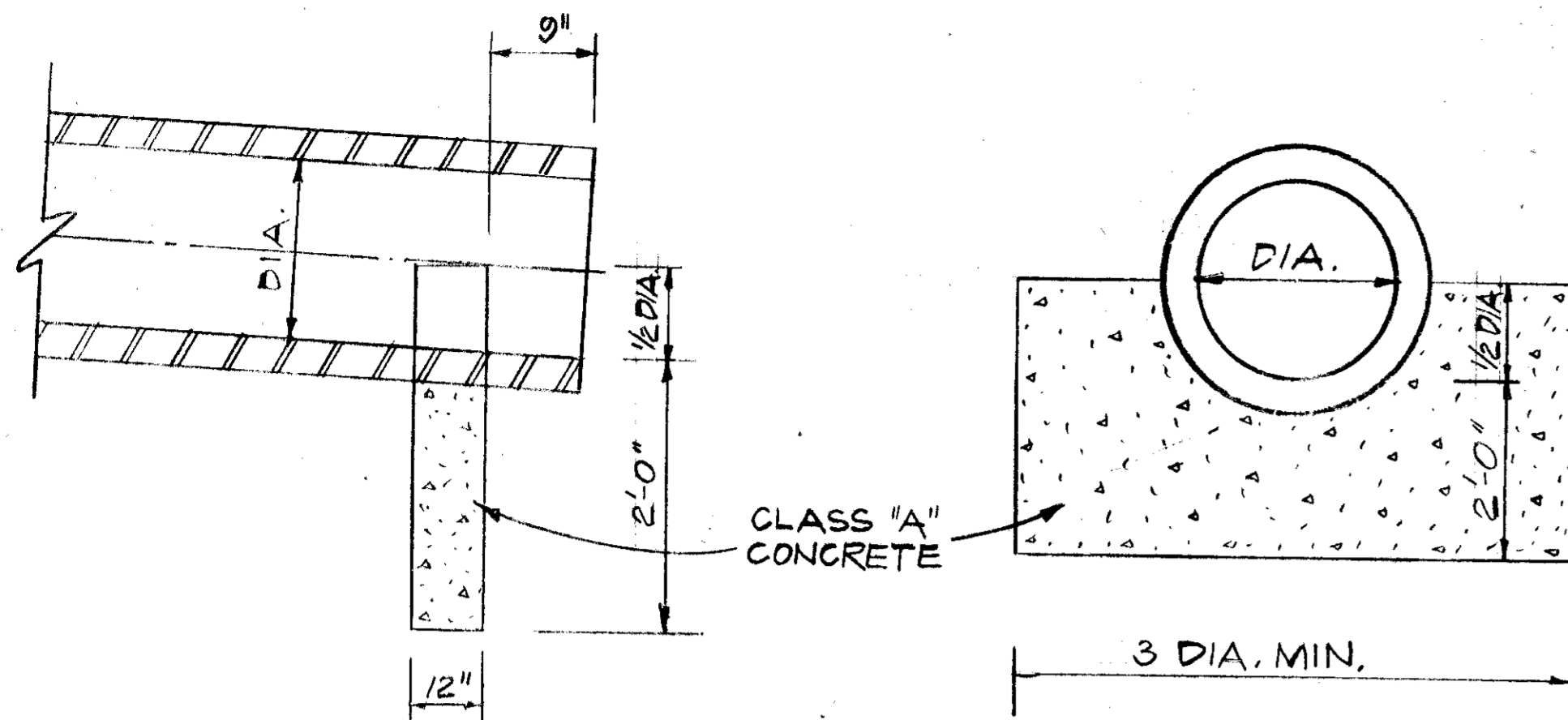
30' L.F. OF M.S.H.A. CLASS I UNGROUTED RIP RAP @ 0.25% 4' FLAT BOTTOM WITH 2:1 SIDE SLOPES 4' HIGH. MIN. STONE WT. = 50 LBS.
4' WIDE FLAT BOTTOM SOD DITCH @ 0.25% WITH 2:1 SODDED BACKSLOPES. SEE DETAIL, THIS SHEET
POLY-FILTER-X

PROFILE
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'

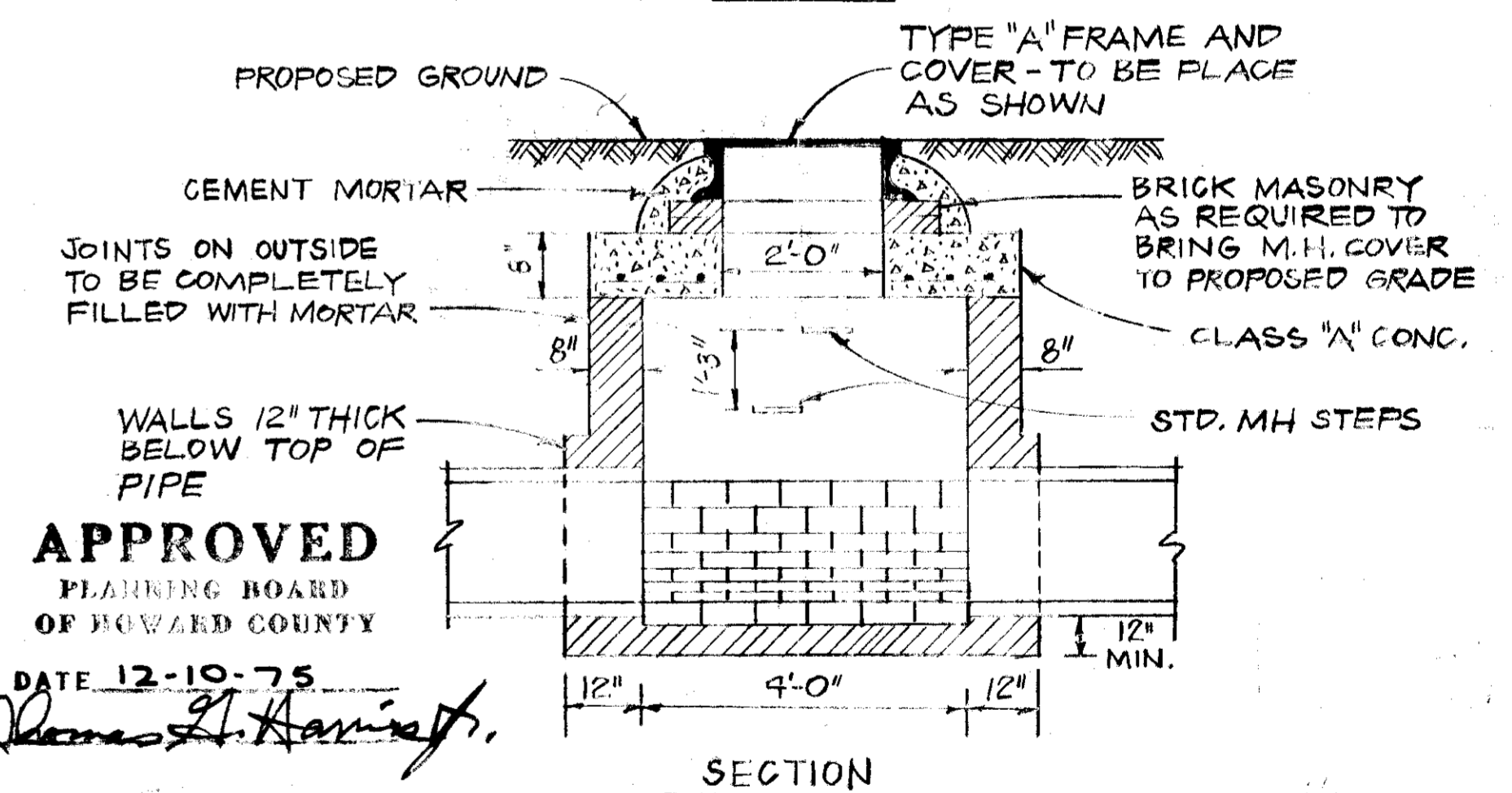
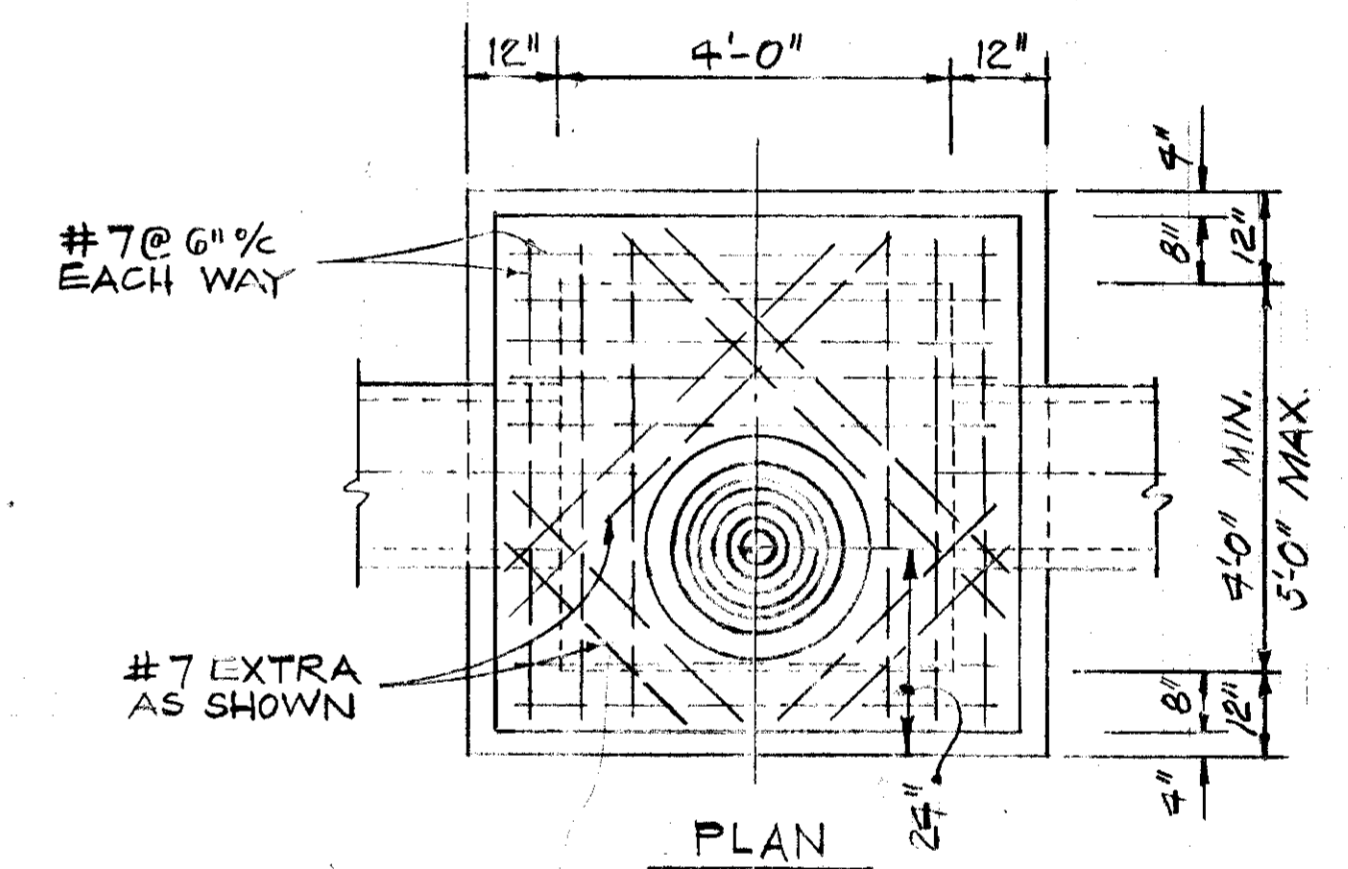
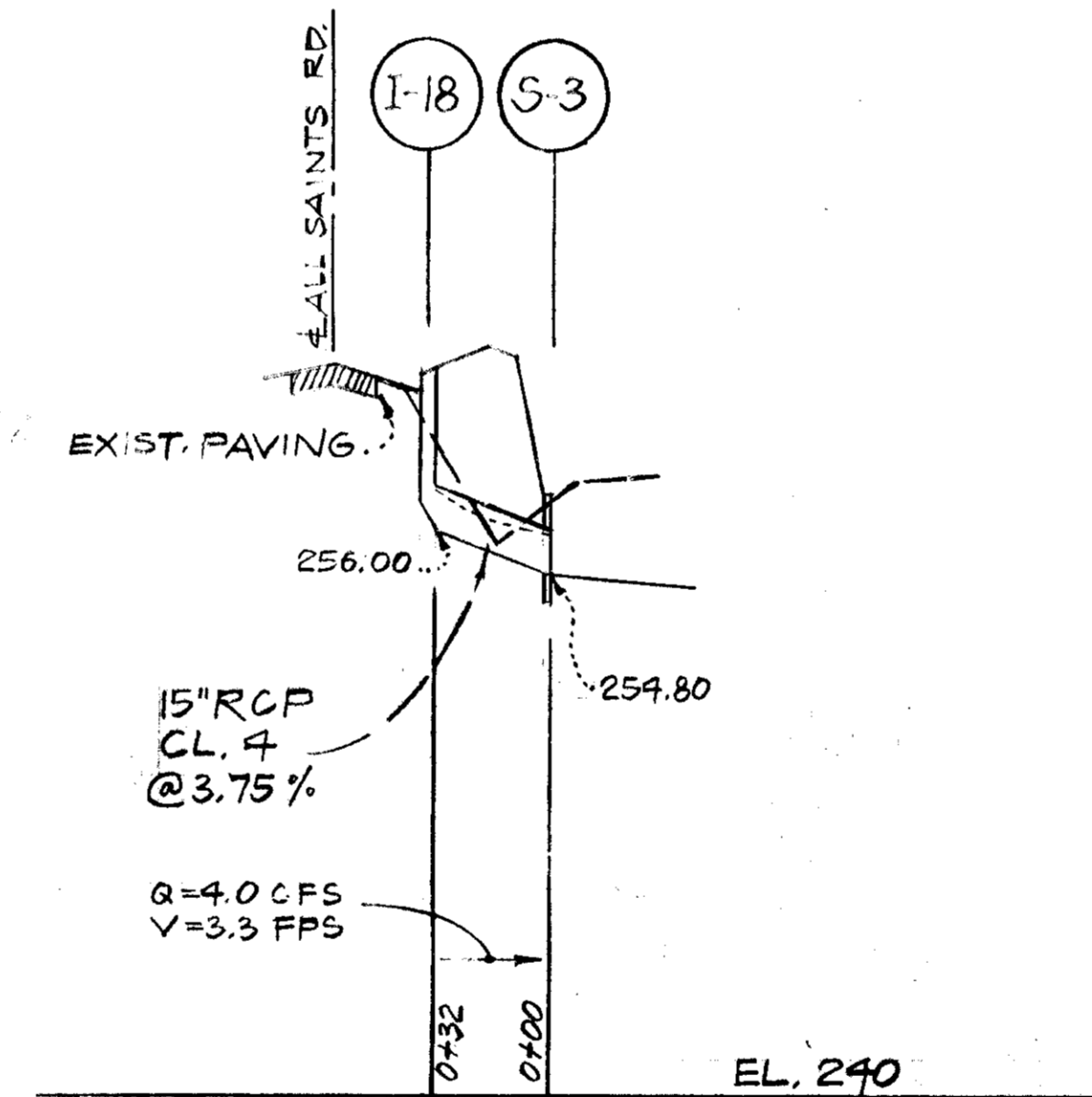
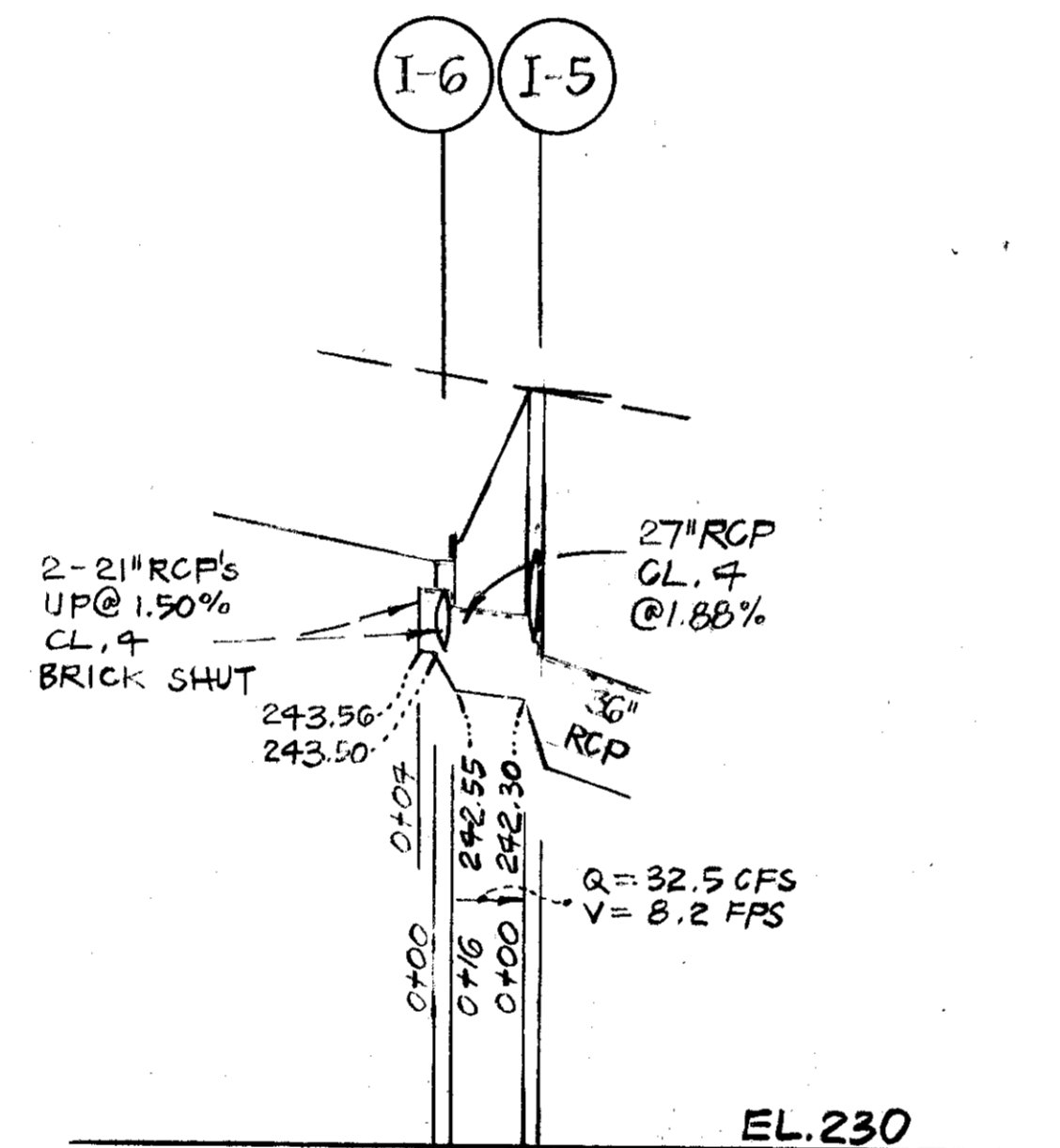
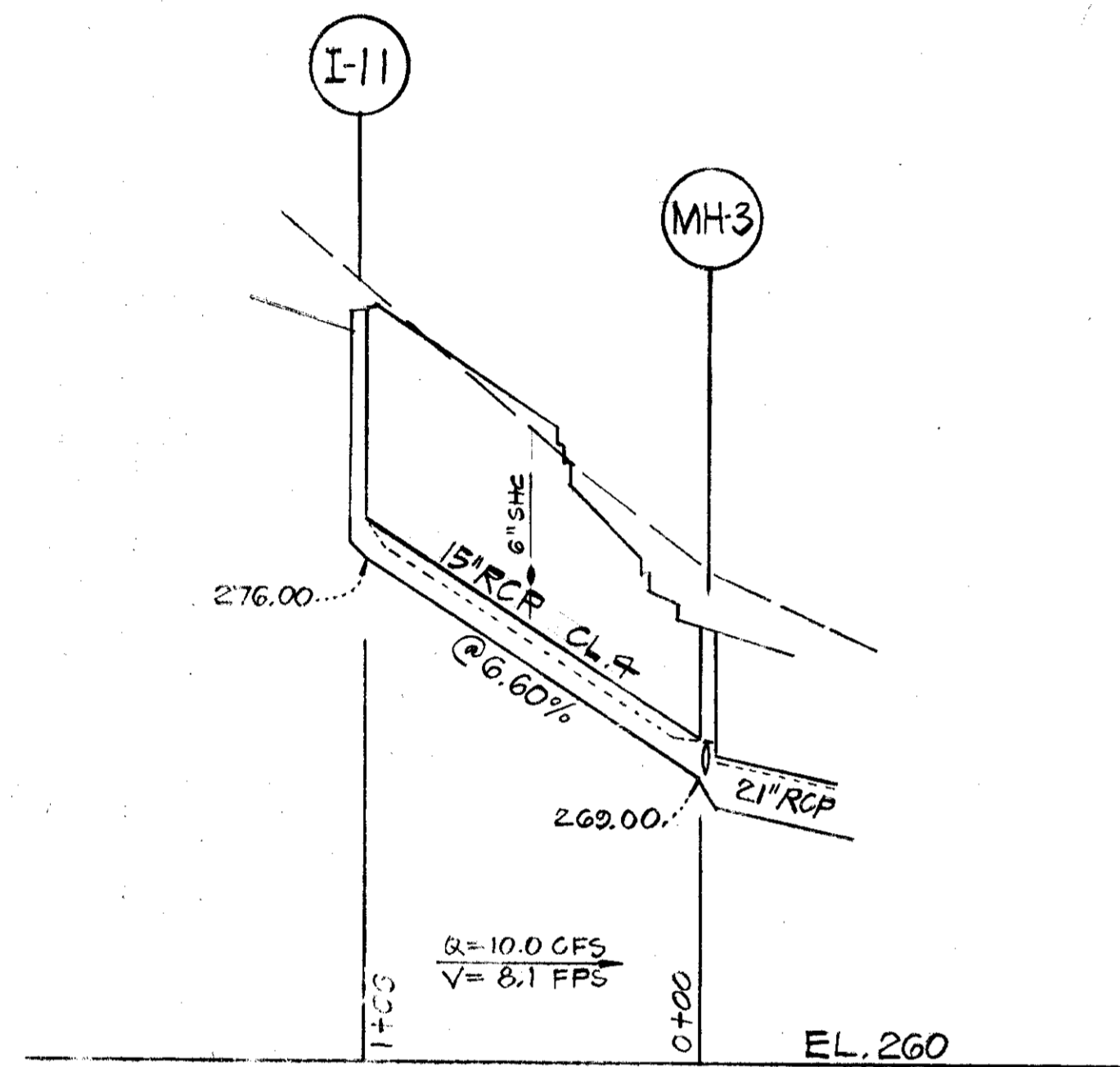
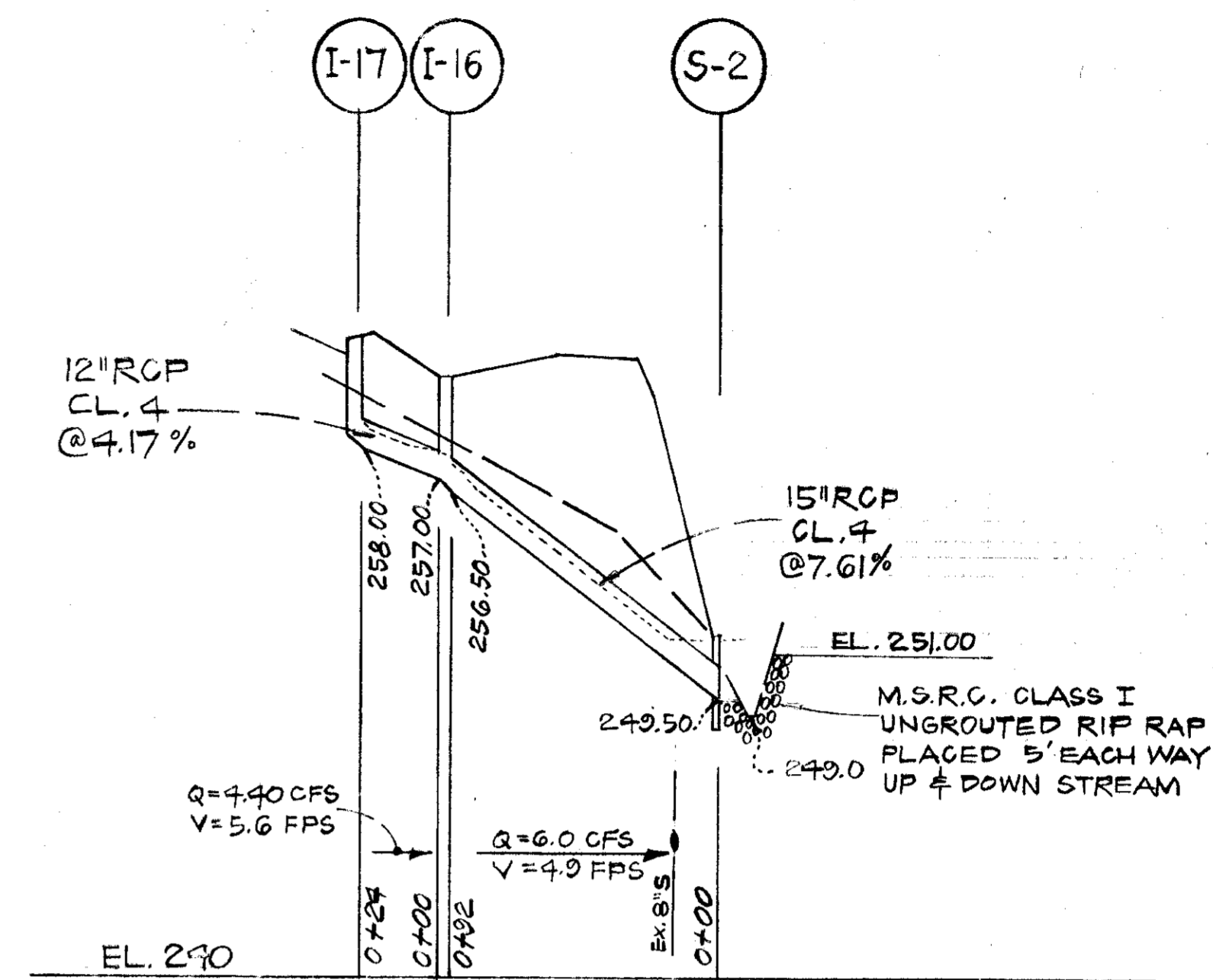
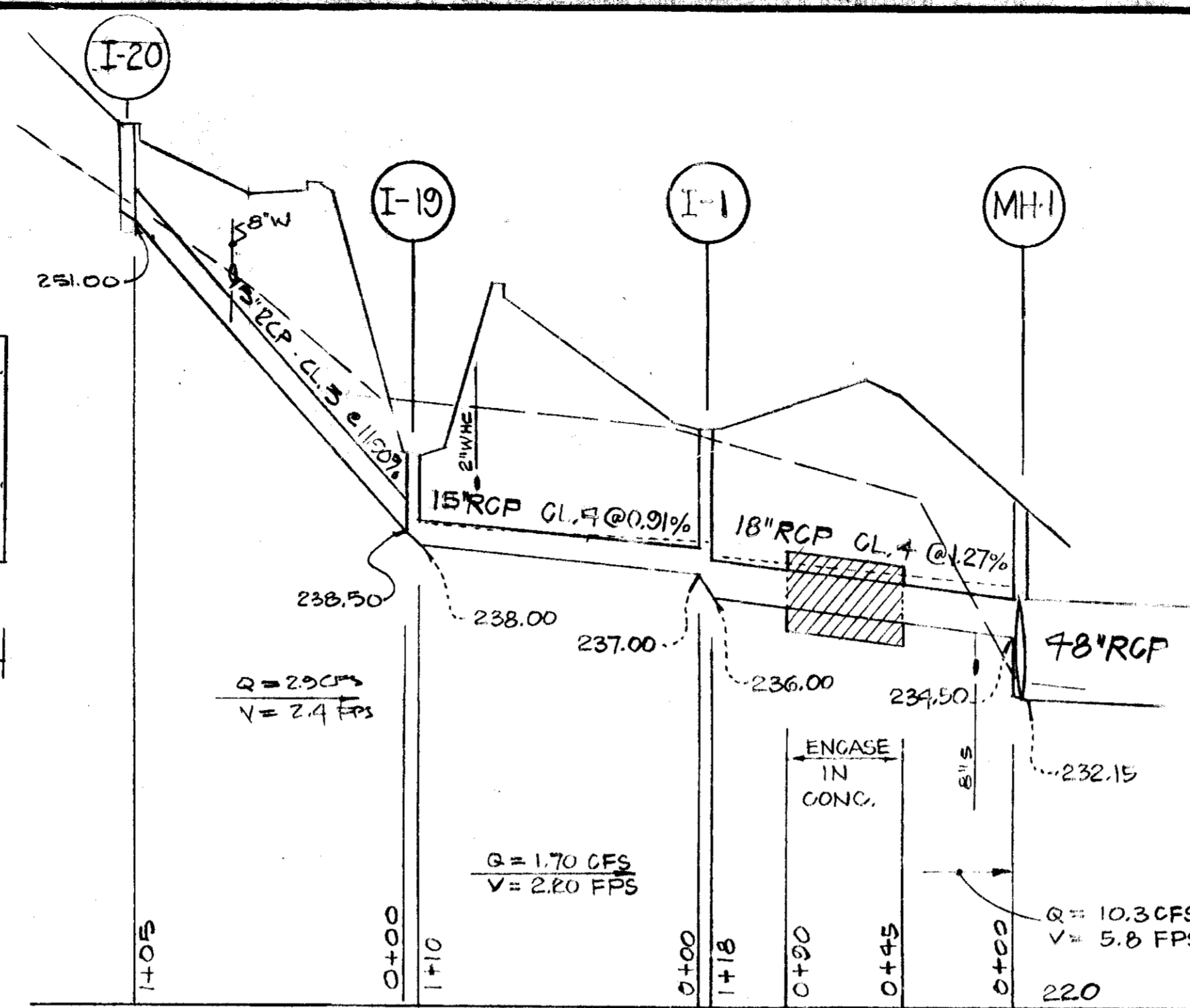
LEGEND
EXISTING GROUND OVER ± PIPE
PROPOSED GROUND OVER ↓ PIPE
10 YEAR STORM HYDRAULIC GRADIENT

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 12-10-75
James L. Harris

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT <i>Robert F. Wine</i> COUNTY HEALTH OFFICER DATE: 4-22-76	APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING <i>James L. Harris</i> PLANNING DIRECTOR DATE: 4-22-76	APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>John P. ...</i> DIRECTOR DATE: 4-23-76	APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>John P. ...</i> CHIEF, BUREAU OF HIGHWAYS DATE: 4-23-76	SECTION FOUR AREA 2 PARCELS A WHISKEY BOTTOM APARTMENTS SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.	STORM DRAINAGE PROFILES SCALE: AS SHOWN JUNE, 1975	REVISIONS 9-1-75	IPDS PLANNING & DESIGN STUDIO LTD. Planners-Landscape Architects-Engineers	SHEET 11 OF 16 SDP 76-06
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TEMPORARY CUTOFF WALL DETAIL
NO SCALE



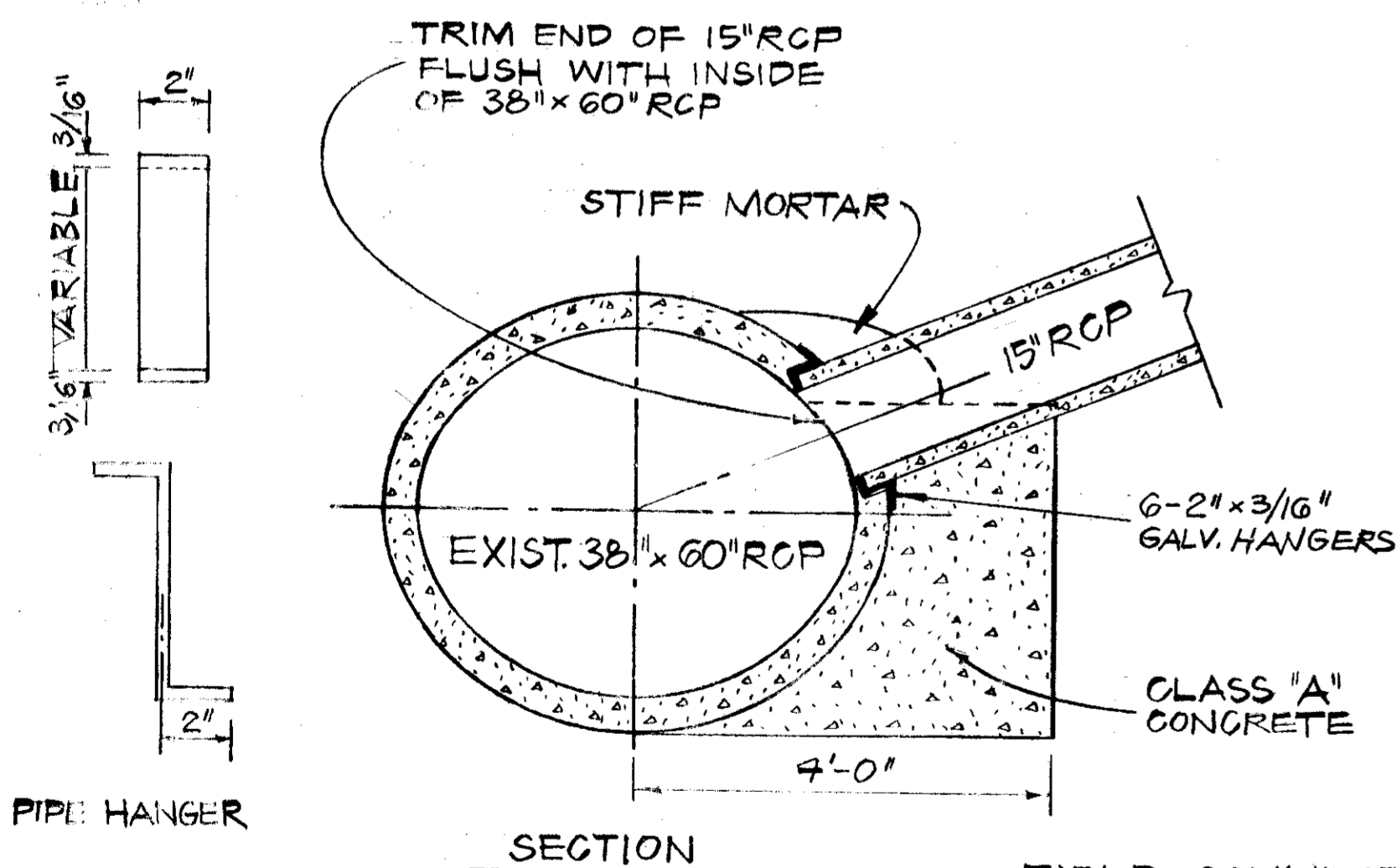
APPROVED
PLANNING BOARD
OF HOWARD COUNTY

DATE 12-19-75

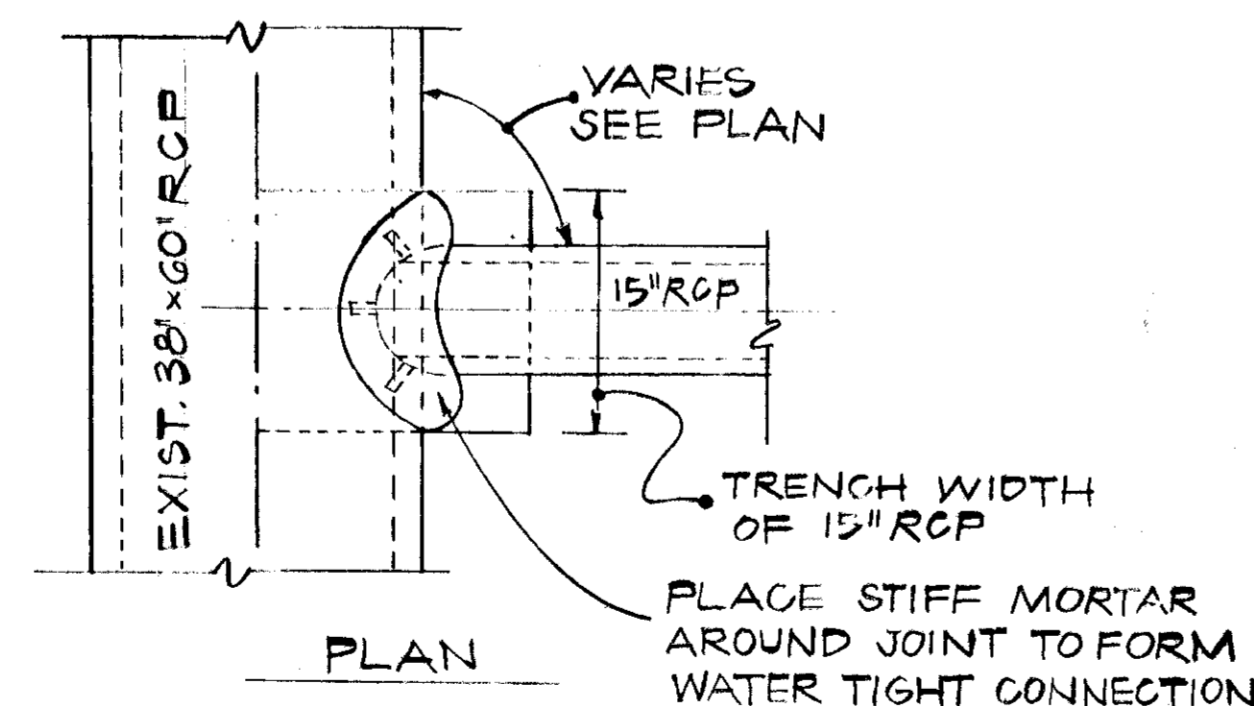
Thomas L. Harris

Paul C. Camp

SHALLOW MANHOLE DETAIL
NO SCALE



FIELD CONNECTION DETAIL
NO SCALE



FIELD CONNECTION DETAIL
NO SCALE

PROFILE

SCALE: HORIZ. - 1" = 50'
VERT. - 1" = 5'

LEGEND

EXISTING GROUND OVER PIPE
PROPOSED GROUND OVER PIPE
10 YEAR STORM HYDRAULIC GRADIENT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Edna F. Wine
COUNTY HEALTH OFFICER
DATE 4-27-76

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Harris
PLANNING DIRECTOR
DATE 4-27-76

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul C. Camp
DIRECTOR
DATE 4-23-76

SECTION FOUR AREA 2 PARCEL A
WHISKEY BOTTOM APARTMENTS
SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

STORM DRAINAGE
PROFILES & DETAILS
SCALE: AS SHOWN JUNE, 1975

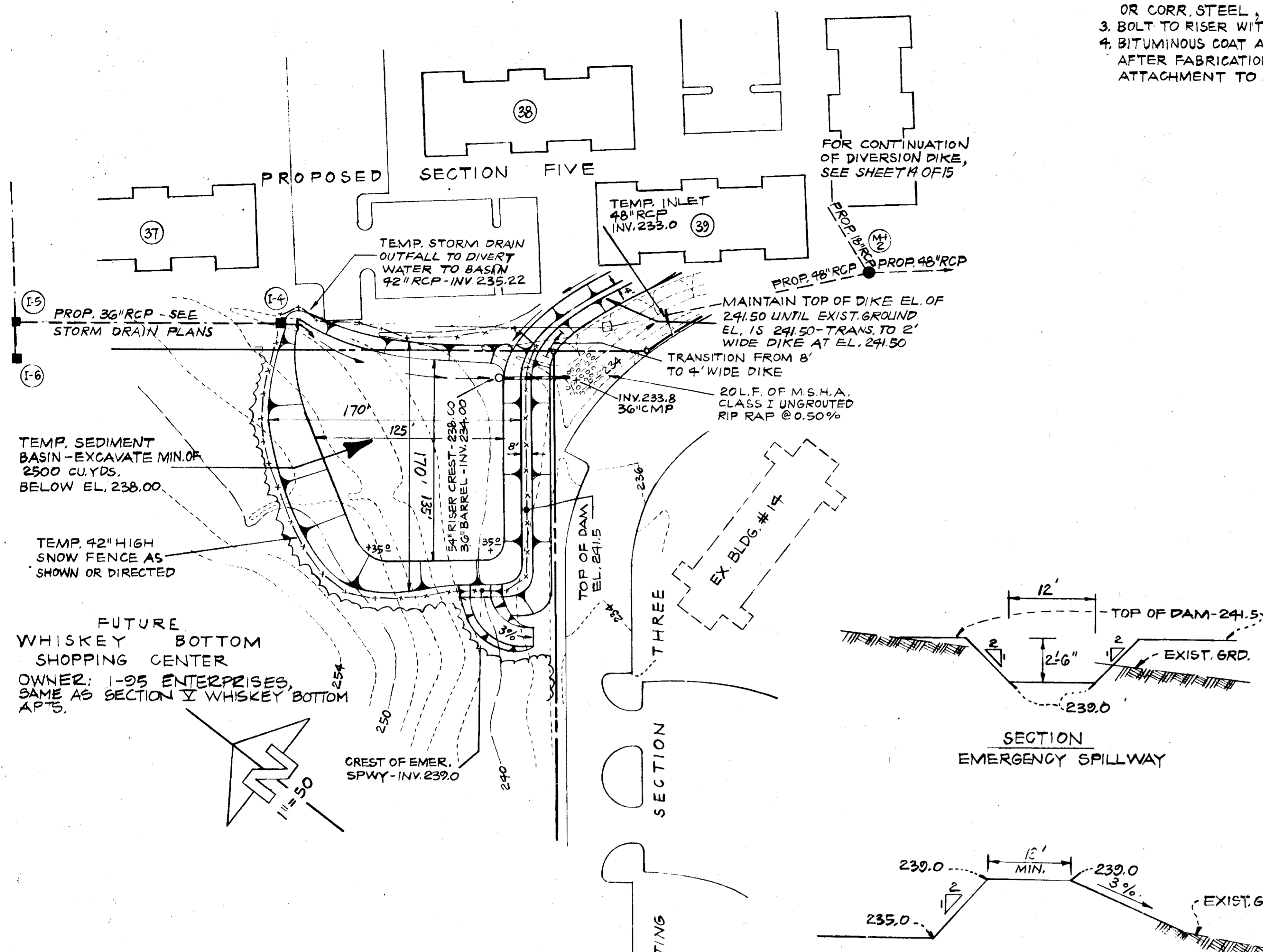
REVISIONS
9-1-75

IPDS
INTERNATIONAL PLANNING & DESIGN STUDIO, LTD.
Planners, Landscape Architects, Engineers, Architects
430 SLIGO AVENUE SUITE 201
SILVER SPRING, MARYLAND 20910
TELEPHONE: (301) 582-1448

SHEET
12
OF
16

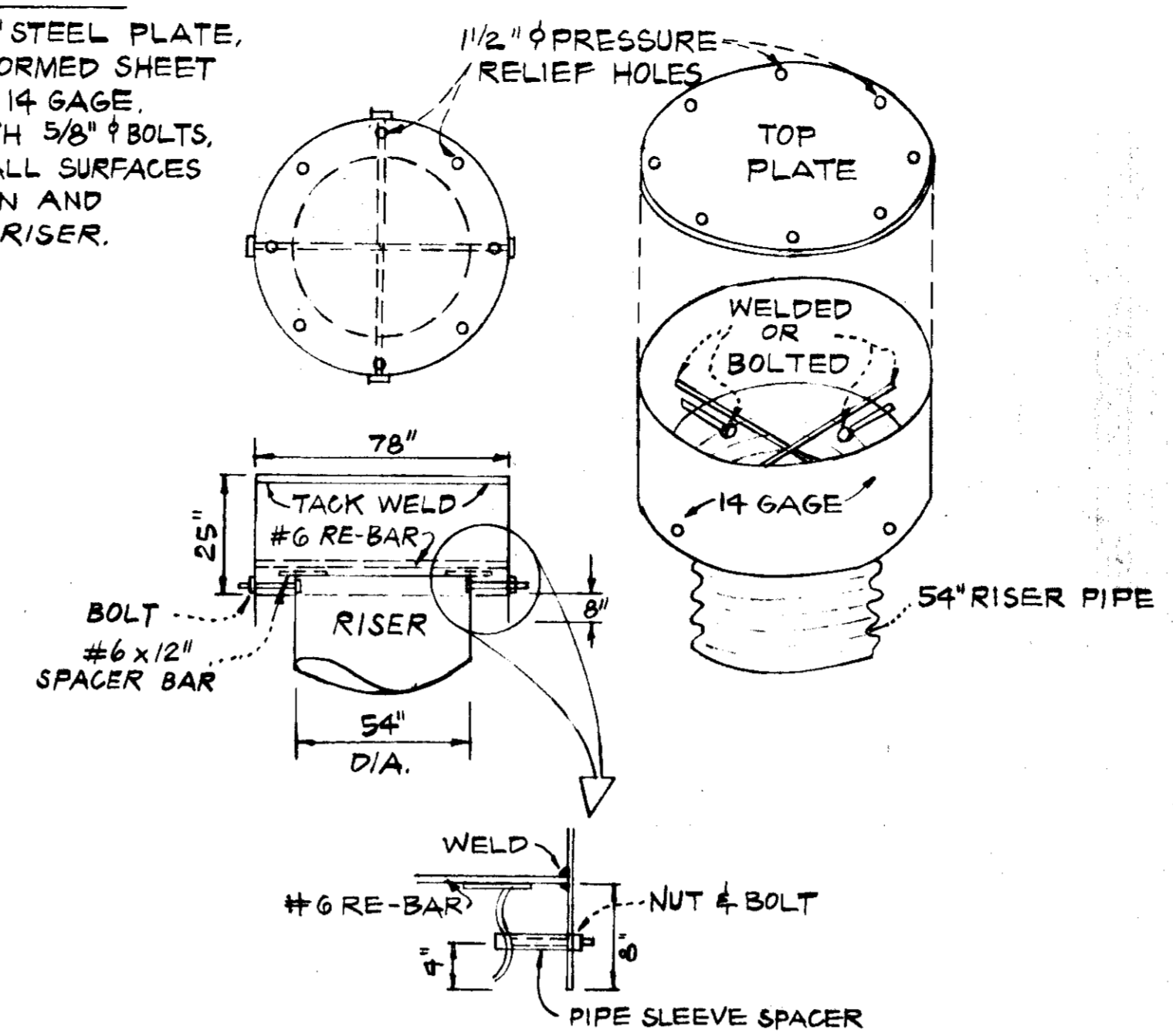
SDP 76-06

SEDIMENT BASIN
SCALE 1"=50'

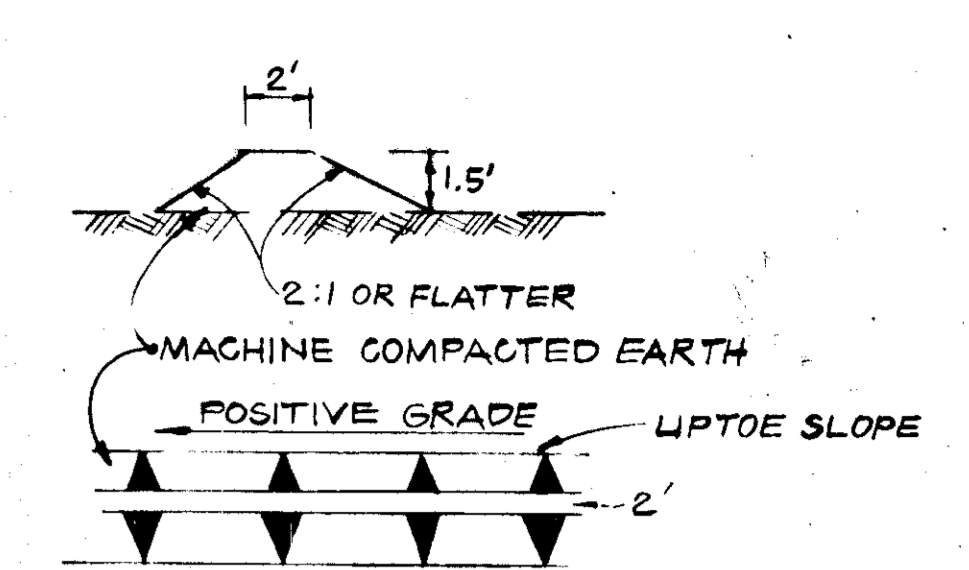


NOTES

1. TOP PLATE IS 1/8" STEEL PLATE.
2. OUTER SHELL IS FORMED SHEET OR CORR. STEEL, 14 GAGE.
3. BOLT TO RISER WITH 3/8" BOLTS.
4. BITUMINOUS COAT ALL SURFACES AFTER FABRICATION AND ATTACHMENT TO RISER.



ANTI-VORTEX DEVICE & TRASH RACK
NO SCALE



DIVERSION DIKE DETAIL
NO SCALE
NOTE: DIKE TO BE CONSTRUCTED OF #2 STONE IN ROADWAY

DEVELOPERS & ENGINEERS CERTIFICATIONS
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT & PLAN FOR EROSION AND 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. DEVIATIONS FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY S.C.D.

William J. Holladay July 22, 1973
SIGNATURE OF DEVELOPER DATE

Paul J. Morgan 12 April 1976
REGISTERED PROFESSIONAL ENGINEER DATE

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 COUNTY S.C.D.

Eric V. Herman 4/21/76
U.S. SOIL CONSERVATION SERVICE DATE

Robert W. Ziehn 4/21/76
APPROVED: HOWARD S.C.D. DATE

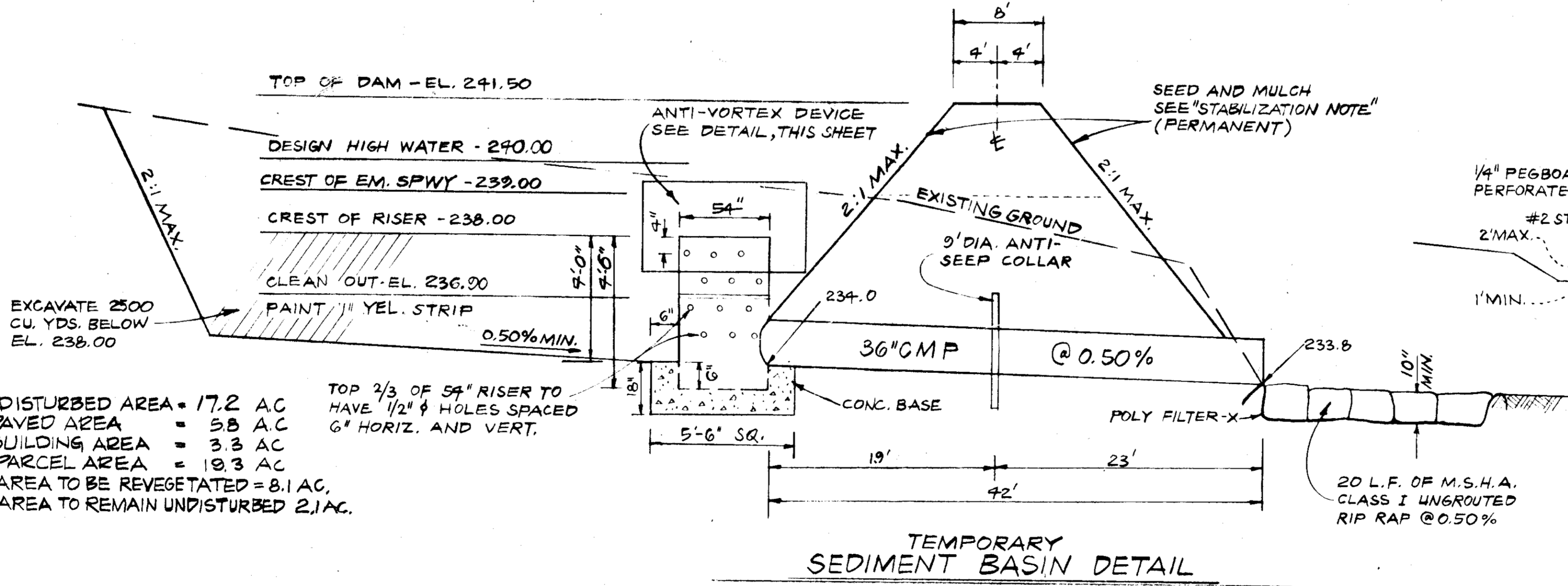
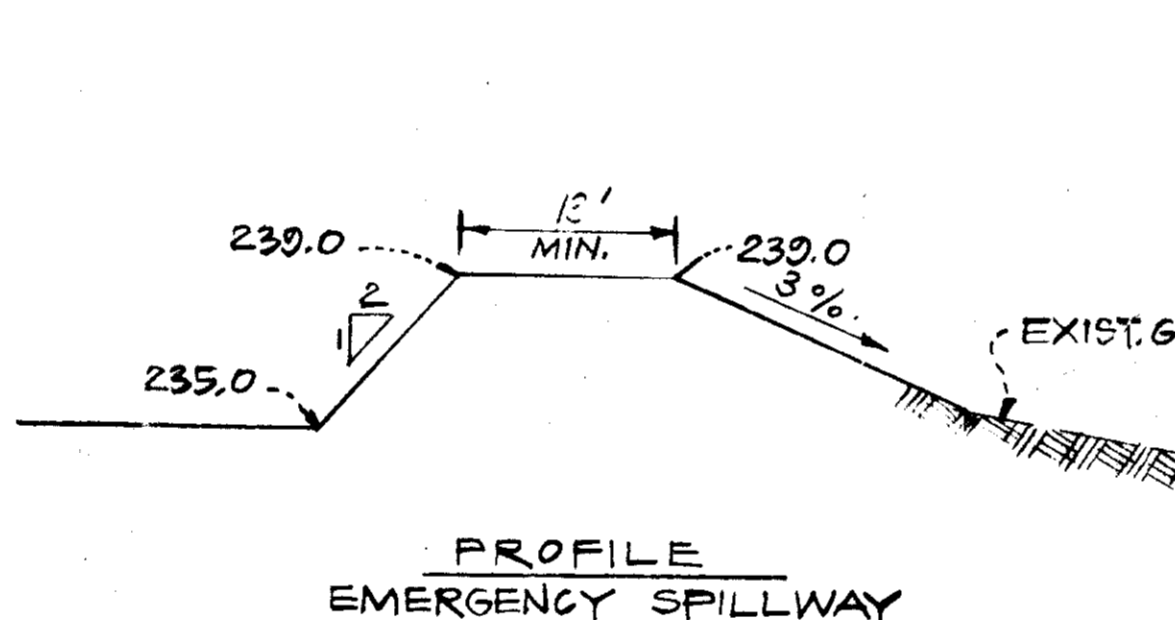
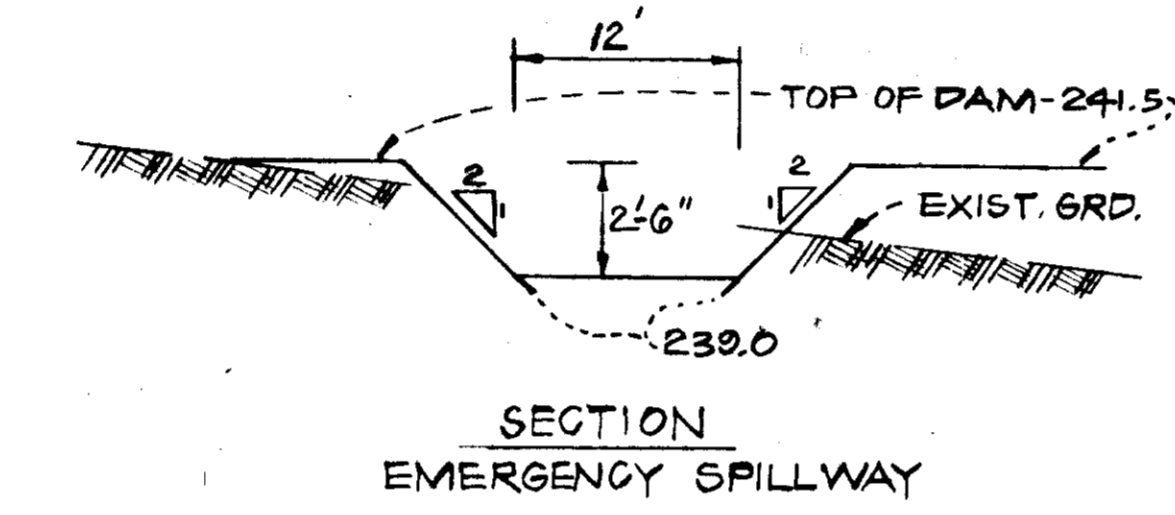
REVIEWED FOR HOWARD S.C.D. & MEETS TECHNICAL REQUIREMENTS

TOTAL DISTURBED AREA = 17.2 AC
TOTAL PAVED AREA = 5.8 AC
TOTAL BUILDING AREA = 3.3 AC
TOTAL PARCEL AREA = 19.3 AC
TOTAL AREA TO BE REVEGETATED = 8.1 AC
TOTAL AREA TO REMAIN UNDISTURBED 2.1 AC.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Robert F. Wine 4-27-76
COUNTY HEALTH OFFICER DATE

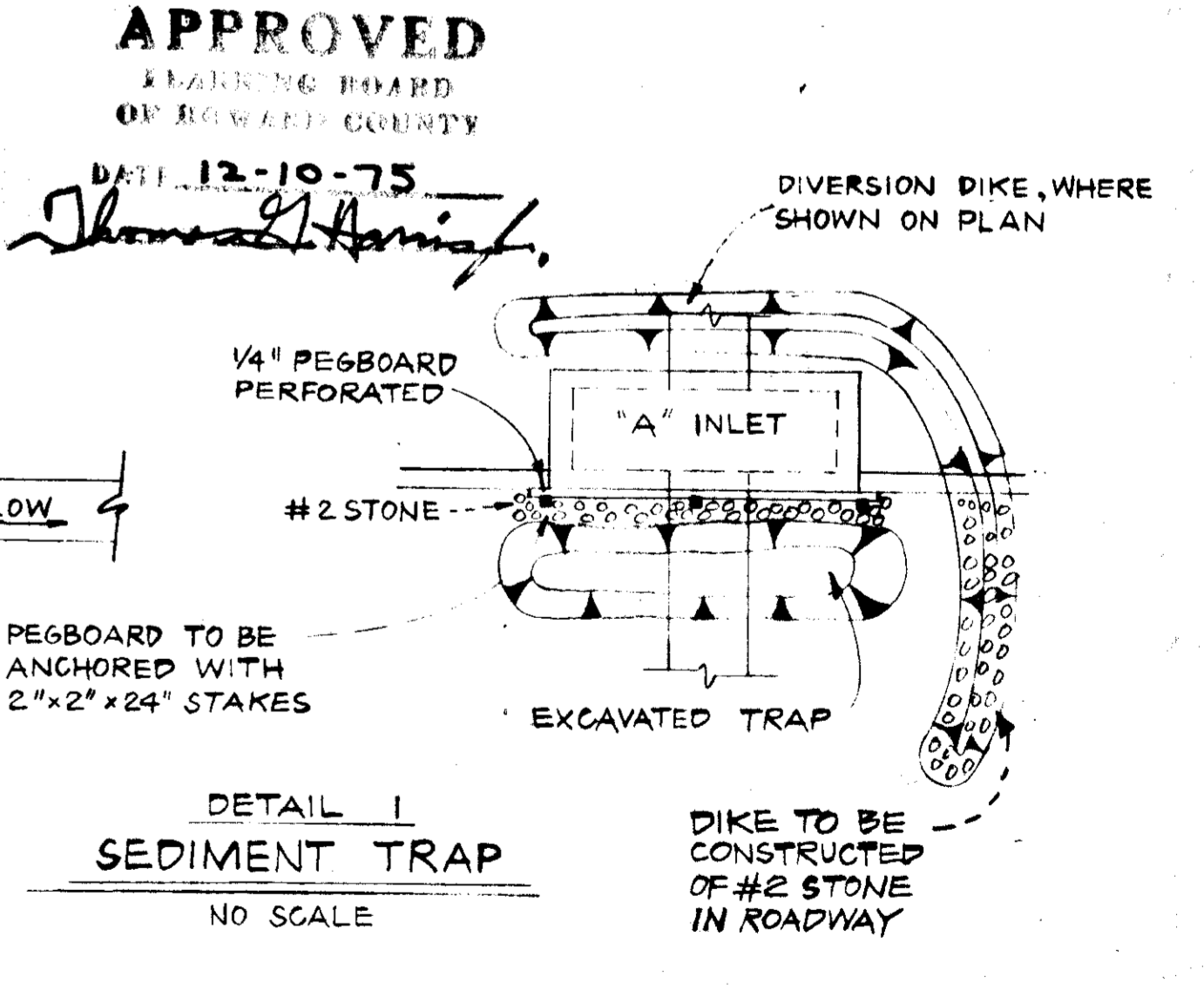
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Donald L. Harney 4-28-76
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
M. Clauson 4/27/76
DIRECTOR DATE



TEMPORARY SEDIMENT BASIN DETAIL
NO SCALE

- SEDIMENT CONTROL NOTES**
1. THE DEVELOPER SHALL NOTIFY THE HOWARD COUNTY SOIL CONSERVATION SERVICE AT LEAST 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HERON.
 2. SEDIMENT CONTROL MEASURE MUST BE INSTALLED PRIOR TO GRADING OPERATION AND STABILIZED ACCORDING TO NOTE "STABILIZATION"
 3. ALL DISTURBED AREAS ON THE BALANCE OF THE SITE SHALL BE STABILIZED AS STATED ABOVE IN NOTE "STABILIZATION"
 4. THE DEVELOPER SHALL INSTALL DEVICES, DETAILED ON THIS PLAN, TO PREVENT SEDIMENT FROM REACHING EXISTING STORM DRAINAGE SYSTEMS.
 5. THE CONTRACTOR SHALL NOT BEGIN ANY CONSTRUCTION SHOWN ON THESE PLANS UNTIL AN APPROVED GRADING AND SEDIMENT CONTROL PLAN HAS BEEN PLACED ON FILE WITH THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 6. ALL SEDIMENT CONTROL MEASURES SHALL BE TAKEN IN STRICT ACCORDANCE WITH THE APPROVED PLANS AND THE CRITERIA & SPECIFICATIONS APPROVED BY THE HOWARD COUNTY S.C.D.
 7. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD REQUIREMENTS & CONDITIONS AT THE TIME OF CONSTRUCTION & TO BE CONSTRUCTED & STABILIZED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL OF THE SITE.
 8. PERIODIC INSPECTION & MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES SHALL BE PROVIDED BY DEVELOPER TO INSURE THAT THE INTENDED PURPOSE IS BEING ACCOMPLISHED. THE DEVELOPER WILL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE PROPERTY AND FOR ANY DAMAGE CAUSED OFF SITE BY THE SAME.
 9. THE DEVELOPER SHALL CLEAN OUT SEDIMENT BASINS WHEN SILT LEVEL REACHES THE CLEAN OUT POINT AS DESIGNATED. A PAINTED YELLOW LINE SHALL BE PLACED IN THE BASIN RISER AT THE ELEVATION COMPUTED AT THE TIME OF CONSTRUCTION.
 10. DURING GRADING OPERATIONS THOSE AREAS WITHIN ± 1.0 FOOT OF FINISHED GRADE SHALL REMAIN UNDISTURBED AS WELL AS THOSE AREAS SHOWN ON THE SITE PLAN TO BE KEPT UNDISTURBED.
 11. CUT & FILL SLOPES SHALL BE PROTECTED AGAINST STORMWATER RUNOFF BY SLOPING THE GROUND ALONG THEIR UPPER SIDE AWAY FROM THE SLOPE. SLOPES SHALL BE STABILIZED BY SEEDING & MULCHING AS SOON AS PRACTICAL AFTER GRADING. STABILIZATION SHALL BE IN ACCORDANCE WITH NOTE "STABILIZATION" & SCS SPECIFICATIONS. PERMANENT OR TEMPORARY STABILIZATION IS AS FOLLOWS:
TEMPORARY- ALL BERMS, BASINS, INTERCEPTOR DIKES & OTHER REMOVABLE ELEMENTS UP TO ONE (1) YEAR.
PERMANENT- ALL OTHER DISTURBED AND/OR ERODIBLE AREAS.
POLYFILTER-X SHALL BE INSTALLED UNDER ALL RIP-RAP TO HOLD SOIL IN PLACE.
 12. ALL STORM DRAIN INLETS SHALL BE CLOSED DURING CONSTRUCTION OR STORM WATER SHALL BE DIVERTED INTO SEDIMENT BASINS.
 13. ALL ELEVATIONS ON SEDIMENT STRUCTURES SHOWN THUS.
 14. ALL STRUCTURAL SEDIMENT MEASURES ARE TO REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM HOWARD COUNTY S.C.D.



DETAIL 1 SEDIMENT TRAP
NO SCALE
DIKE TO BE CONSTRUCTED OF #2 STONE IN ROADWAY

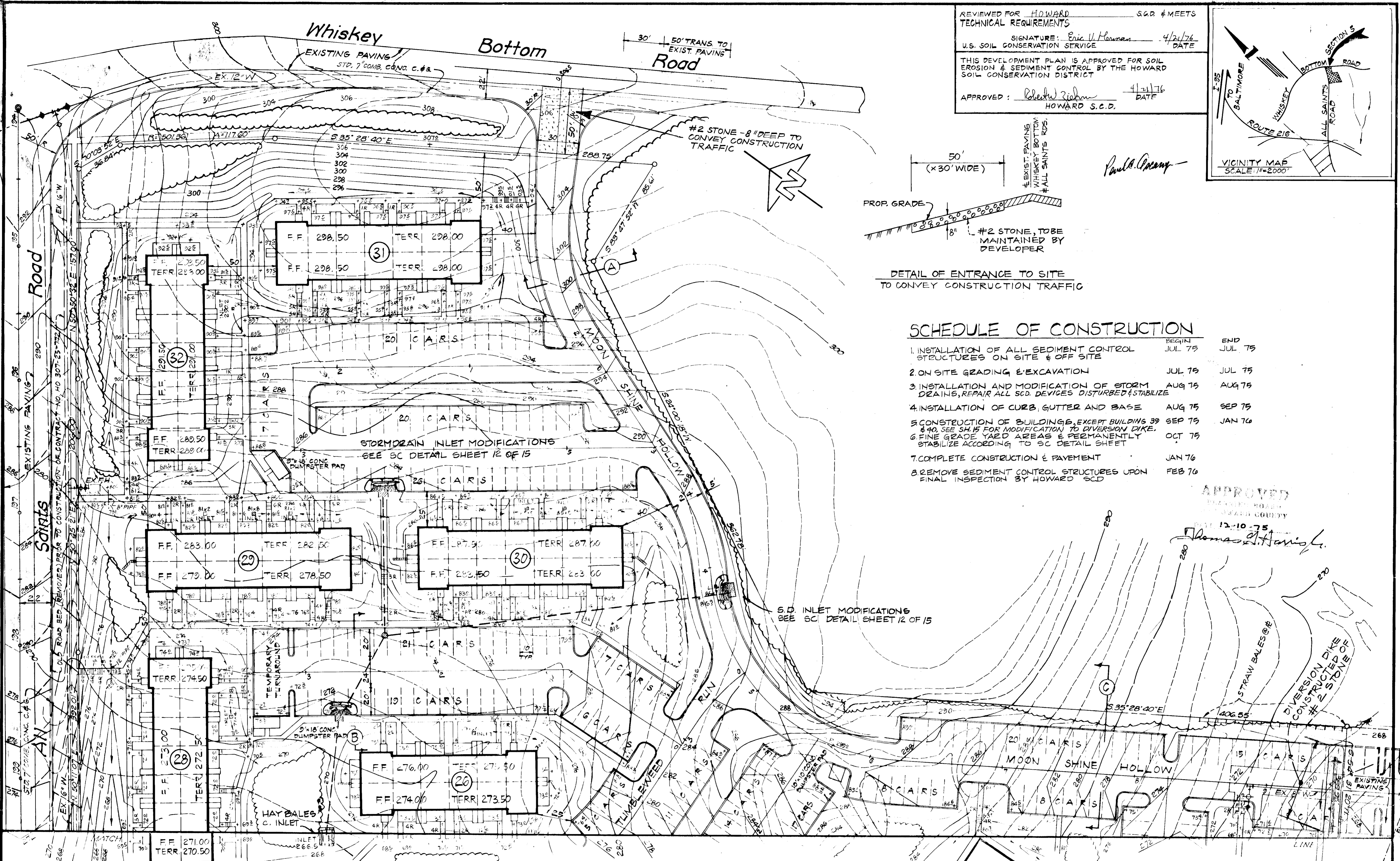
SECTION FOUR AREA 2 PARCEL A
WHISKEY BOTTOM APARTMENTS
SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

SEDIMENT AND EROSION CONTROL PLAN
SCALE: AS SHOWN JUNE, 1975

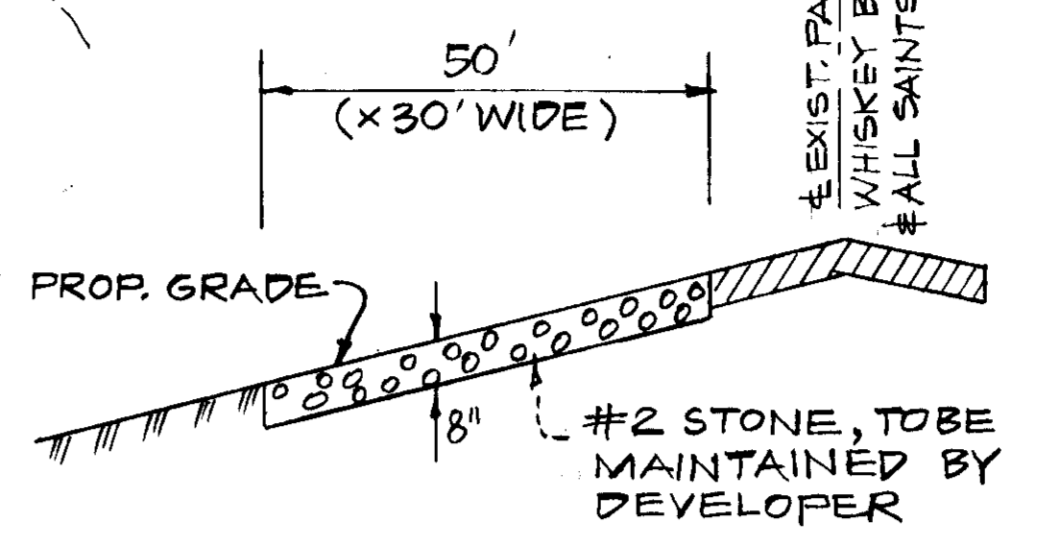
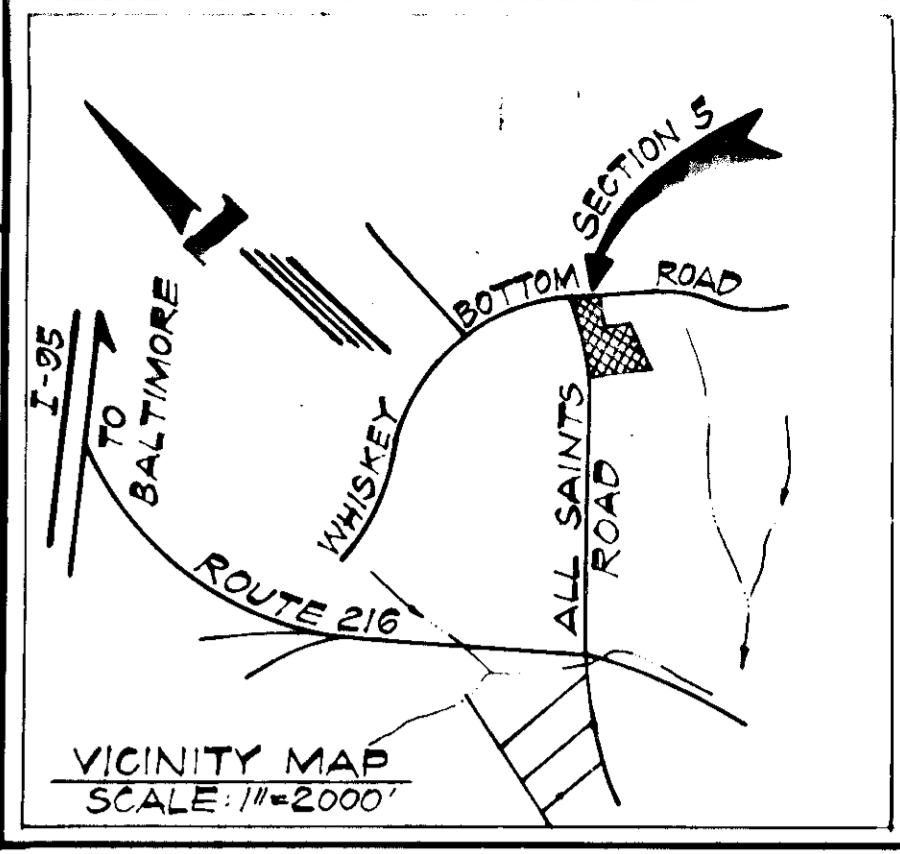
REVISIONS

IPDS 480 SILVER SPRING AVENUE, SUITE 201 SILVER SPRING, MARYLAND 20910 TELEPHONE: (301) 585-2445

SDP 76-06



REVIEWED FOR HOWARD COUNTY S.G.D. # MEETS TECHNICAL REQUIREMENTS
 SIGNATURE: Eric V. Harman 4/21/76 DATE
 U.S. SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT
 APPROVED: Robert Zohn 4-21-76 DATE
 HOWARD S.C.D.



DETAIL OF ENTRANCE TO SITE TO CONVEY CONSTRUCTION TRAFFIC

SCHEDULE OF CONSTRUCTION

	BEGIN	END
1. INSTALLATION OF ALL SEDIMENT CONTROL STRUCTURES ON SITE & OFF SITE	JUL 75	JUL 75
2. ON SITE GRADING & EXCAVATION	JUL 75	JUL 75
3. INSTALLATION AND MODIFICATION OF STORM DRAINS, REPAIR ALL S.C.D. DEVICES DISTURBED & STABILIZE	AUG 75	AUG 75
4. INSTALLATION OF CURB, GUTTER AND BASE	AUG 75	SEP 75
5. CONSTRUCTION OF BUILDINGS, EXCEPT BUILDING 39 & 40. SEE S.H. 15 FOR MODIFICATION TO DIVERSION DIKE.	SEP 75	JAN 76
6. FINE GRADE YARD AREAS & PERMANENTLY STABILIZE ACCORDING TO SC DETAIL SHEET	OCT 75	
7. COMPLETE CONSTRUCTION & PAYMENT	JAN 76	
8. REMOVE SEDIMENT CONTROL STRUCTURES UPON FINAL INSPECTION BY HOWARD S.C.D.	FEB 76	

APPROVED
 HOWARD COUNTY
 12-10-75
 Thomas J. Harris

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 4-27-76

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: [Signature] DATE: 4/21/76

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 4-22-76

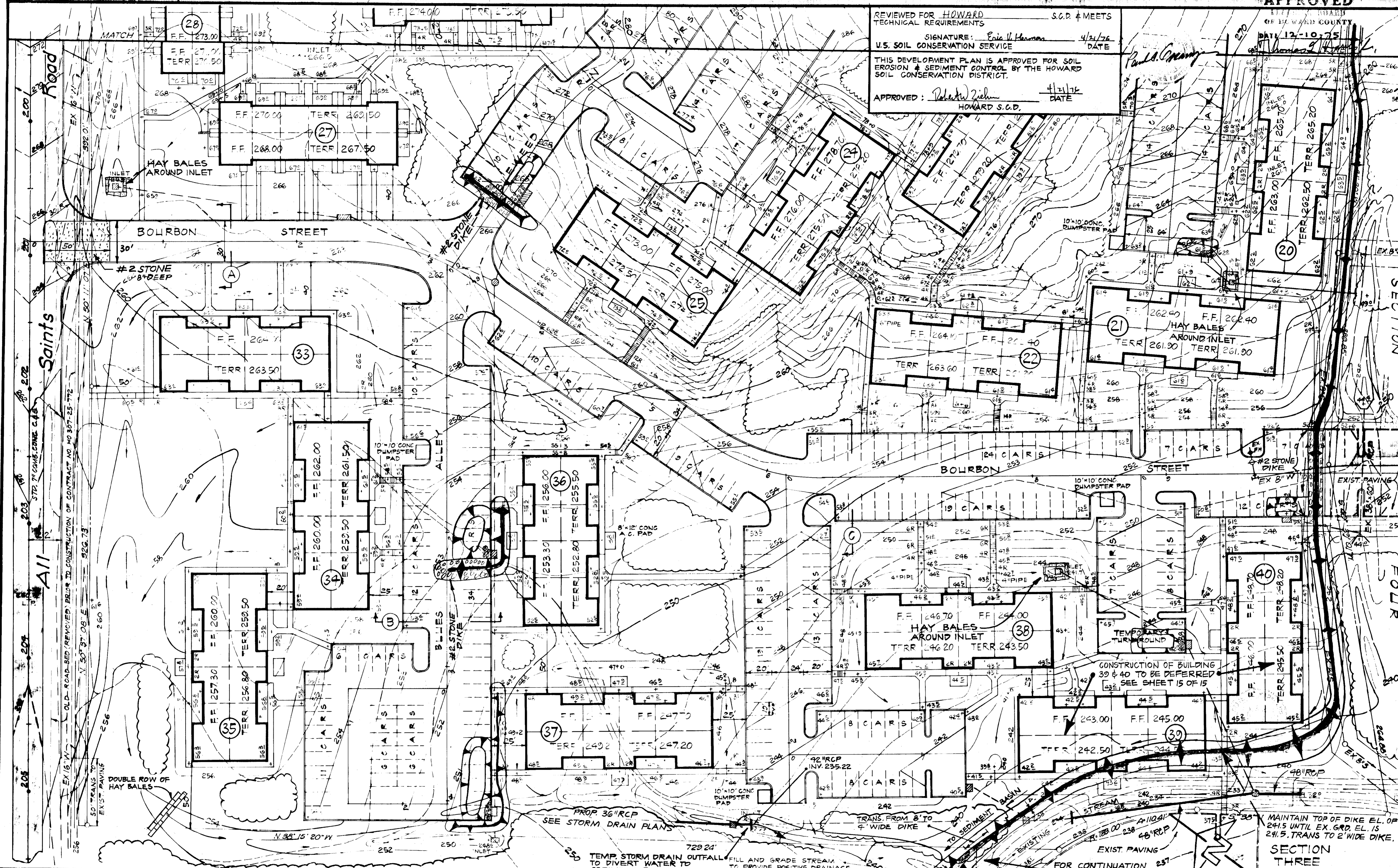
SECTION FOUR AREA 2 PARCEL A
WHISKEY BOTTOM APARTMENTS
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

SEDIMENT AND EROSION CONTROL PLAN
 SCALE: 1" = 30' C.I. = 2' JUNE, 1975

REVISIONS
IPDS
 THE PROFESSIONAL PLANNING & DESIGN STUDIO LTD.
 PLANNERS, LANDSCAPE ARCHITECTS, ENGINEERS, ARCHITECTS
 SHEET 14 OF 16
 SVI 16-06

REVIEWED FOR HOWARD COUNTY OFFICE OF PLANNING AND ZONING TECHNICAL REQUIREMENTS S.G.D. & MEETS SIGNATURE: *Eric H. Hansen* 4/21/76 DATE U.S. SOIL CONSERVATION SERVICE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. APPROVED: *Robert Zich* 4/21/76 DATE HOWARD S.G.D.

DATE 12-10-75
 HOWARD COUNTY
 DATE 4/21/76
 HOWARD S.G.D.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *Robert F. Givens* 4-27-76 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: *Donald L. Aring* 4-28-76 DATE
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING: *John C. Lawson* 4/28/76 DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *John J. Ryan* 4-27-76 DATE
 CHIEF, BUREAU OF HIGHWAYS: *John P. McNeill* 4/27/76 DATE

SECTION FOUR AREA 2 PARCEL A
WHISKEY BOTTOM APARTMENTS
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

SEDIMENT AND EROSION CONTROL PLAN
 SCALE: 1"=30' C.I.=2' JUNE, 1975

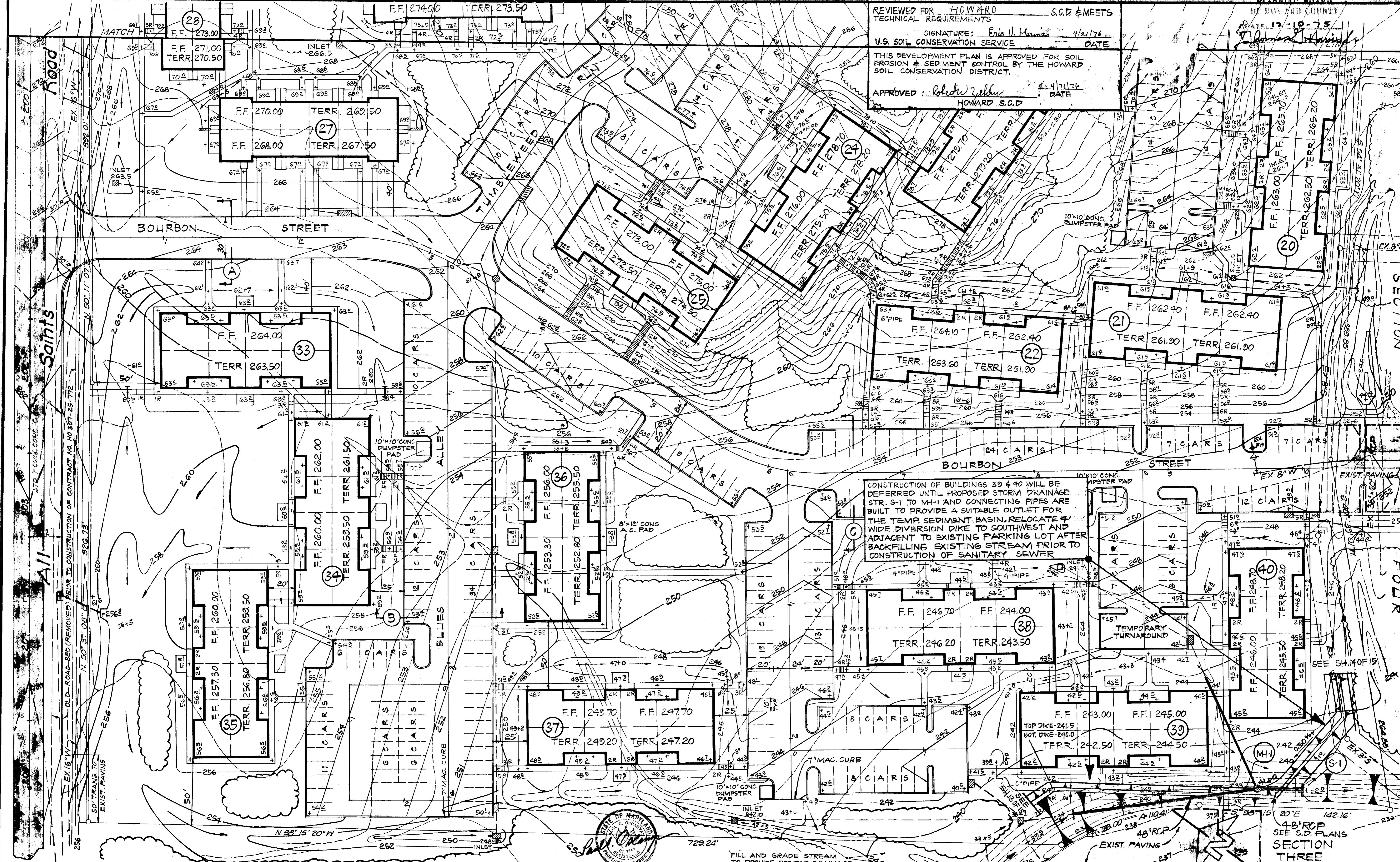
REVISIONS
IPDS
 PLANNING & DESIGN STUDIO, LTD.
 SHEET 15 OF 16
 SDP 76-06

REVIEWED FOR HOWARD COUNTY TECHNICAL REQUIREMENTS S.C.D. & MEETS

SIGNATURE: Eric V. Mennas 4/1/76 DATE

U.S. SOIL CONSERVATION SERVICE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: Robert Zebku 4/1/76 DATE HOWARD S.C.D.



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Palmer F. White 4-27-76
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James L. Hainigh 4-28-76
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
R. J. Bandy 4-22-76
DIRECTOR DATE

SECTION FOUR AREA 2 PARCEL A
WHISKEY BOTTOM APARTMENTS
SIXTH ELECTION DISTRICT HOWARD COUNTY, MD.

SEDIMENT AND EROSION CONTROL PLAN
SCALE: 1"=30' G.I.=2' JUNE, 1975

REVISIONS
IPDS
450 SILVER SPRING AVENUE SUITE 300
SILVER SPRING, MARYLAND 20910
TELEPHONE: (301) 253-8448
PLANNING & DESIGN STUDIO, LTD.
Planners-Landscape Architects-Engineers-Architects
SHEET 10 OF 10
SDP 70-06