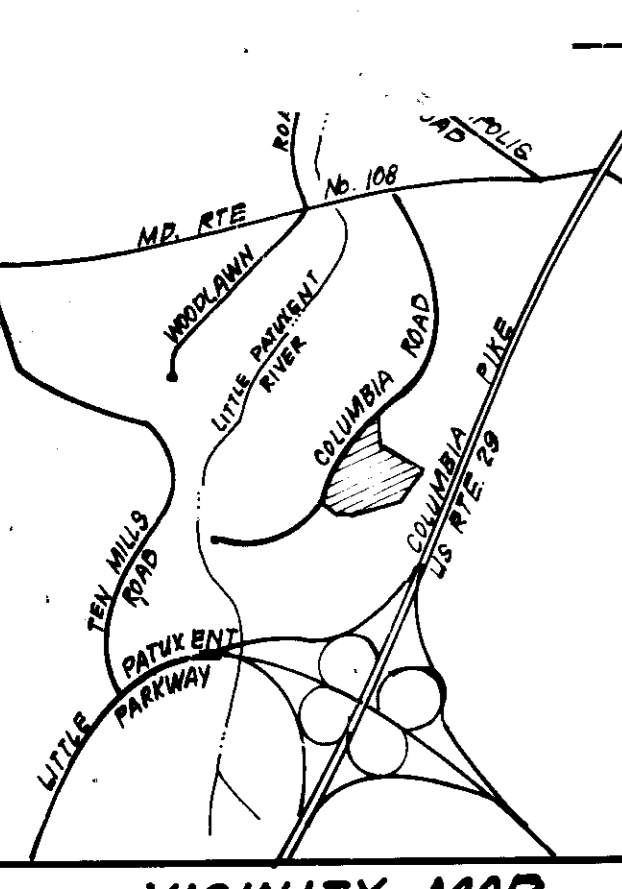
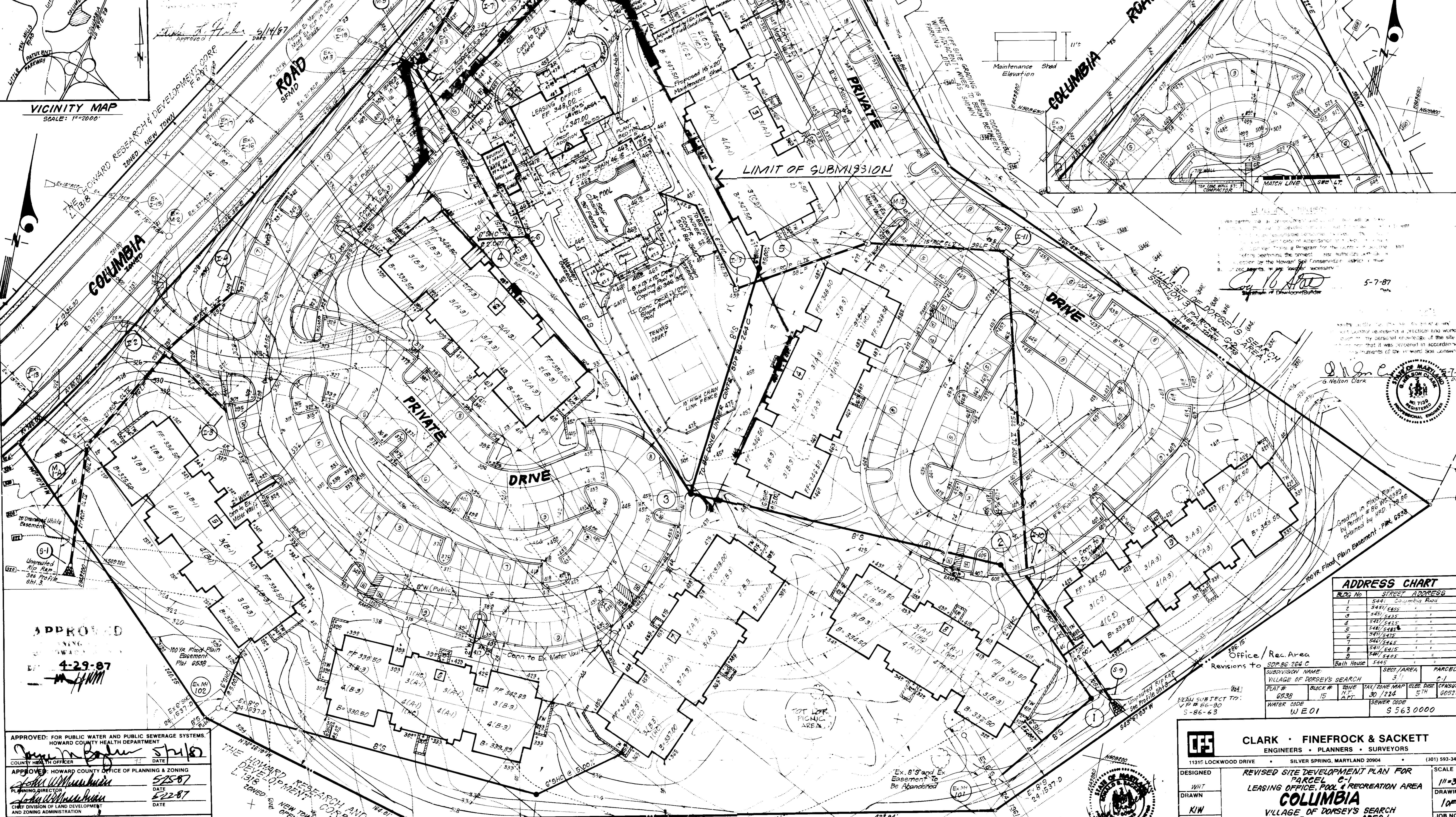


**LEGEND:**  
 1. Existing Contour  
 2. Proposed Contour  
 3. Spot Elevation  
 4. Direction of Drainage  
 5. Proposed Storm Drain  
 6. Proposed Sewer  
 7. Proposed Water (Public)  
 8. Indicates Area of Revision



Approved: *[Signature]* 5-11-87  
 U.S. Soil Conservation Service  
 APPROVED: *[Signature]* 5/14/87  
 DATE



5-7-87  
*[Signature]*  
 Signature of Developer/Builder

**ADDRESS CHART**

BLK. NO.	STREET ADDRESS
1	5441 Columbia Road
2	5451/5455
3	5451/5455
4	5471/5475
5	5471/5475
6	5471/5475
7	5471/5475
8	5471/5475
9	5471/5475
10	5471/5475

APPROVED  
 4-29-87  
*[Signature]*

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* 5/16/87  
 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: *[Signature]* 5/25/87  
 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* 5-11-87  
 DATE

THE HOWARD RESEARCH AND DEVELOPMENT CORP.  
 1918  
 ZONED NEW TOWN 1-307  
 OPEN SPACE

**SITE ANALYSIS:** see Sht. 2 for Unit Types & Areas.

NO.	REVISION	DATE
1	Add Maintenance Shed & Rev. Ex. Walks	12-12-82
2	REVISD	1/16/87
3	Revised Pool and Recreation Area per client	11-18-82

- Zoning: NEW TOWN APARTMENTAL P. Phase 191-A
- Area of Site: 10.857 Acres
- No. of Residential Units Permitted: 192 (Provided: 192)
- Building Coverage: 1.71 Ac. ± (1.7%)

**CLARK · FINEFROCK & SACKETT**  
 ENGINEERS · PLANNERS · SURVEYORS  
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: *[Signature]*  
 DRAWN: *[Signature]*  
 CHECKED: *[Signature]*  
 DATE: 6-6-86

**REVISED SITE DEVELOPMENT PLAN FOR**  
 PARCEL C-1  
 LEASING OFFICE, POOL & RECREATION AREA  
**COLUMBIA**  
 VILLAGE OF DORSEY'S SEARCH  
 SECTION 3  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

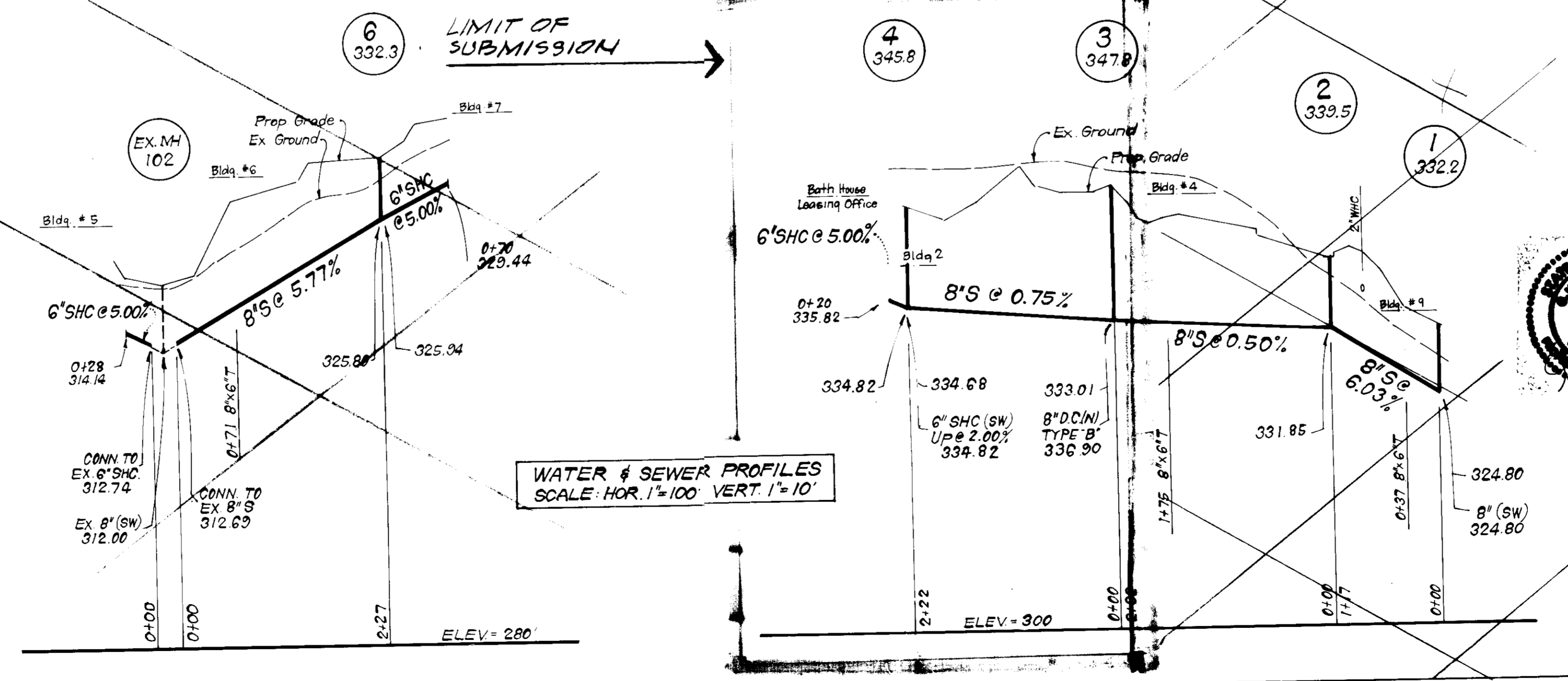
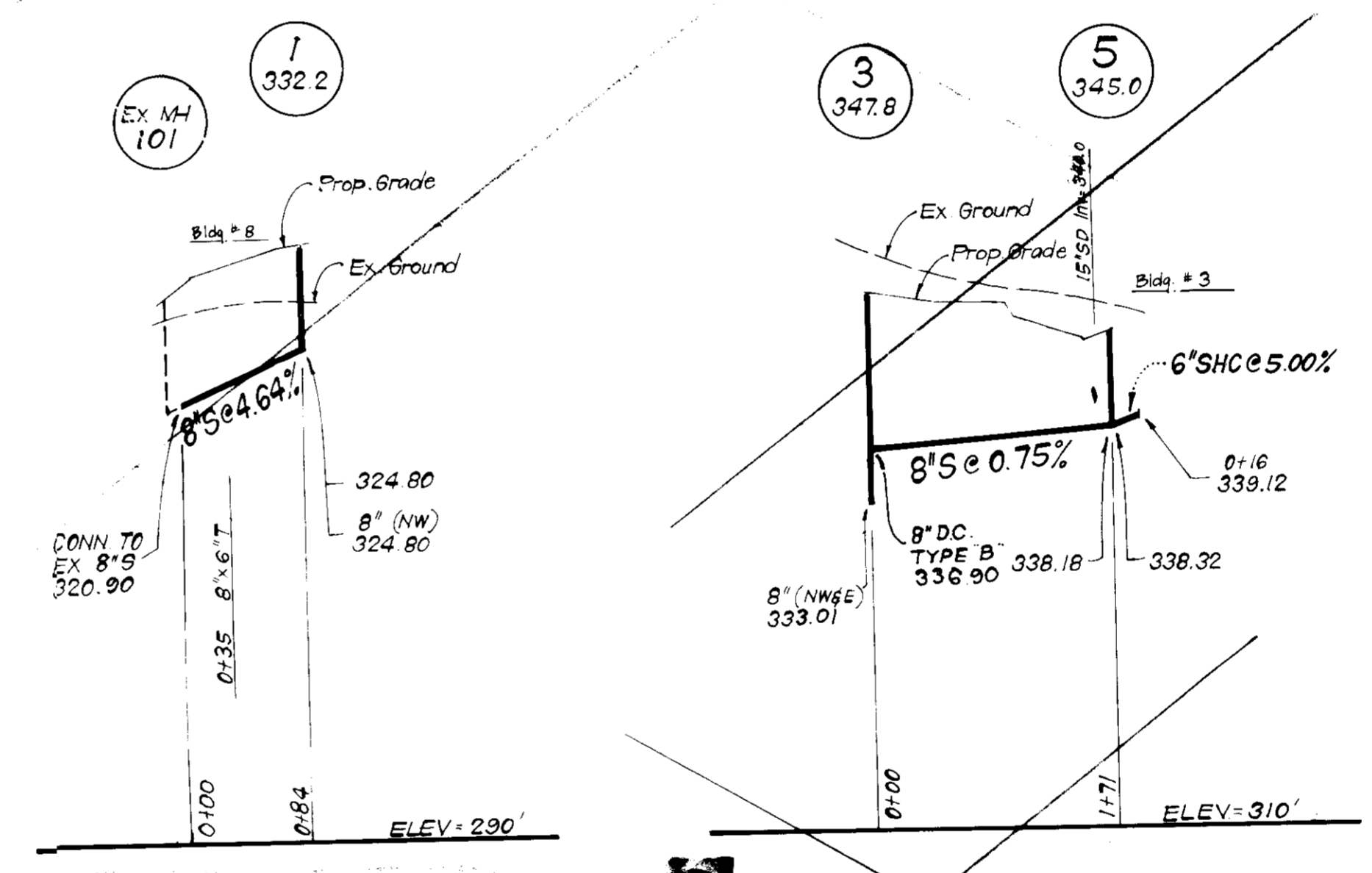
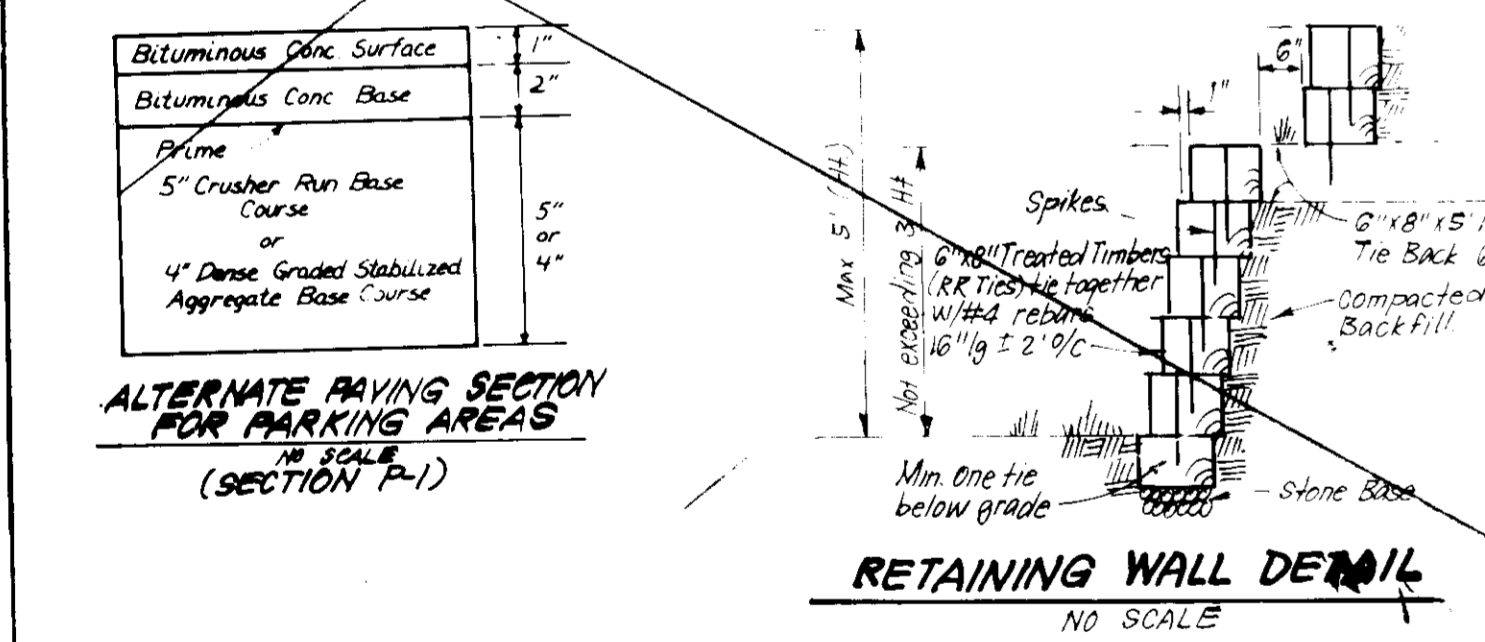
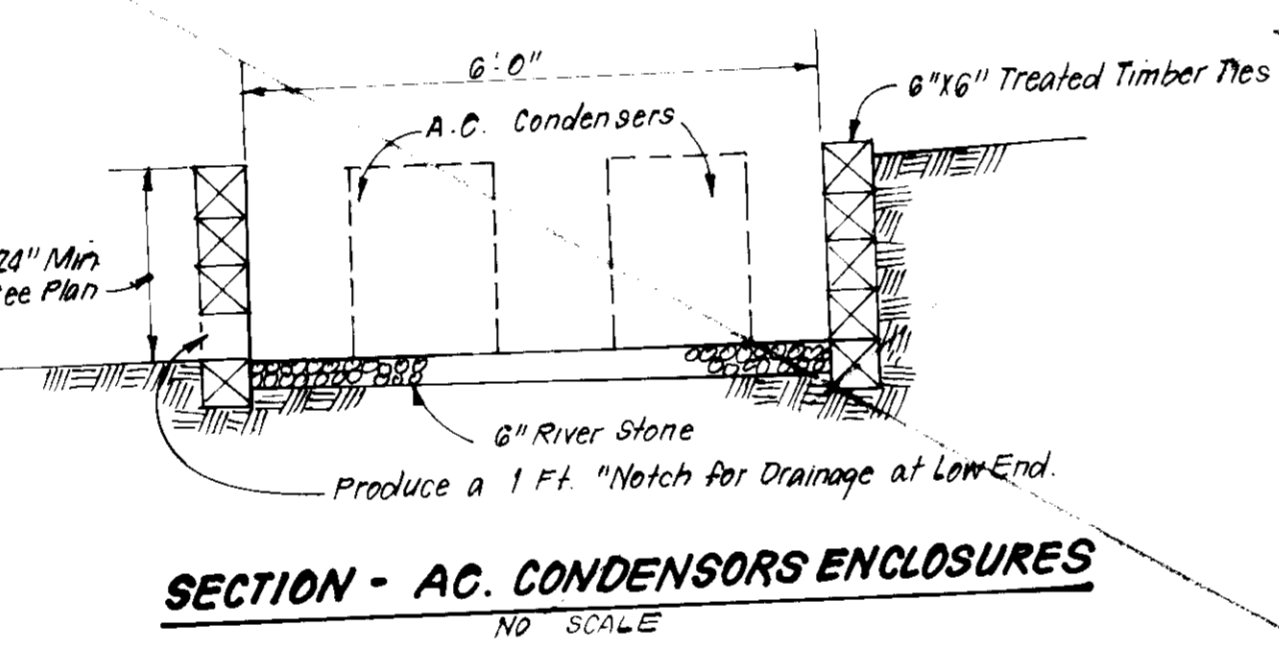
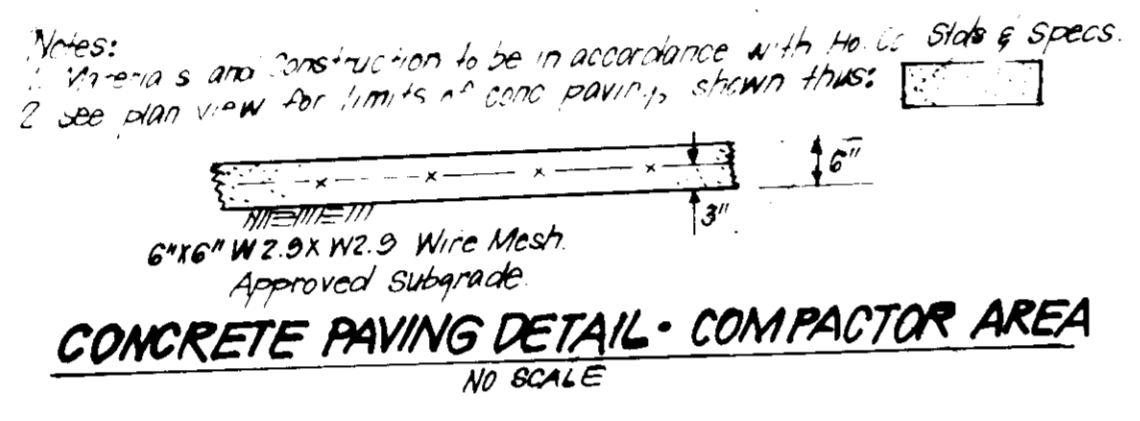
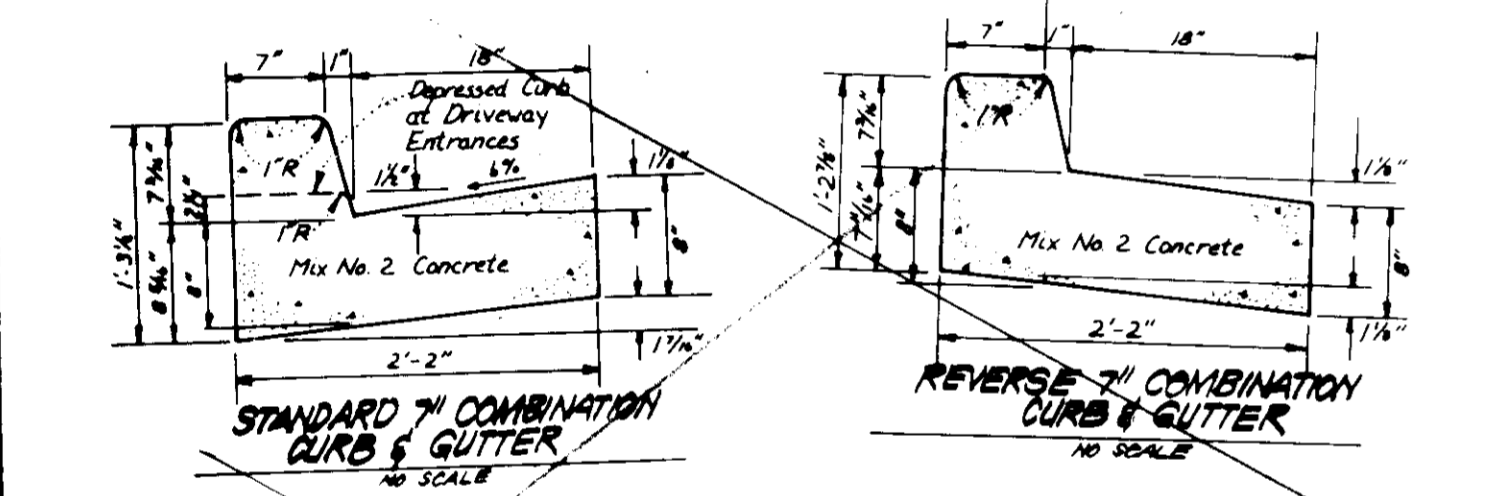
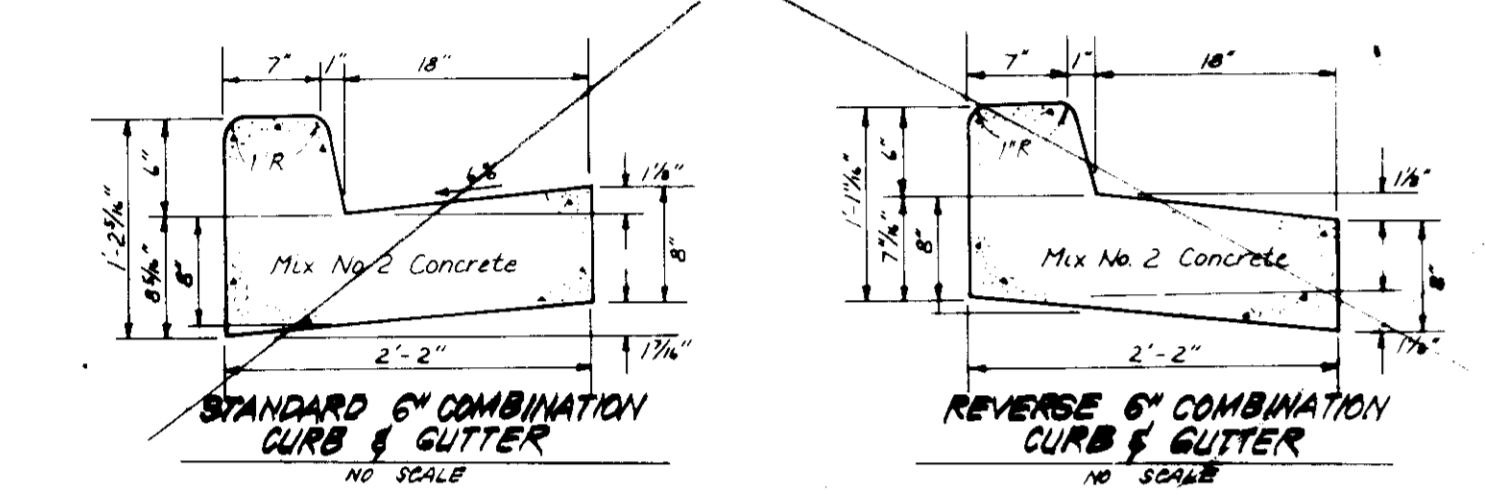
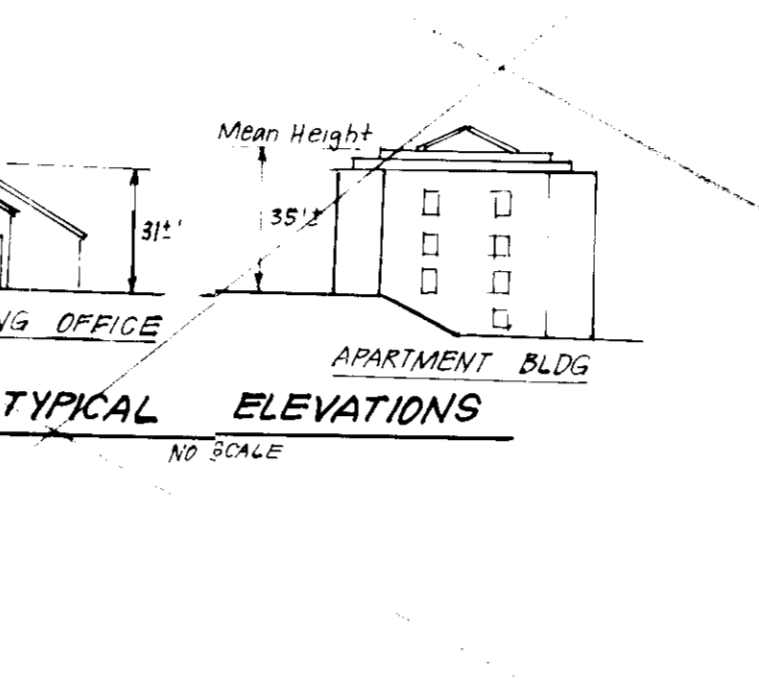
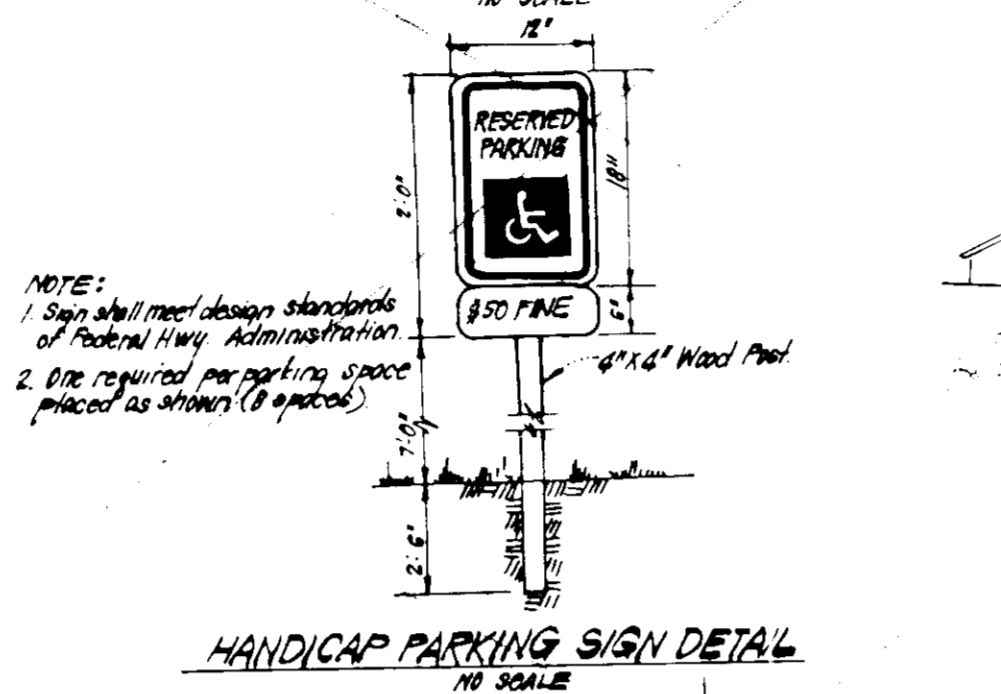
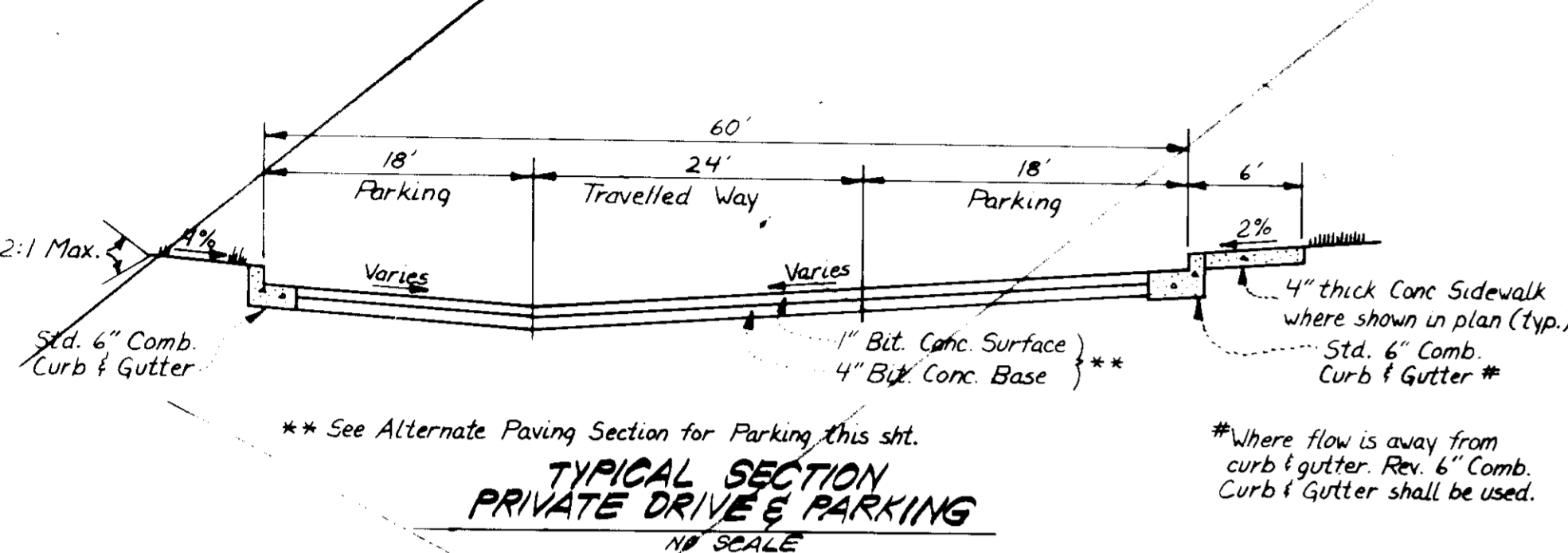
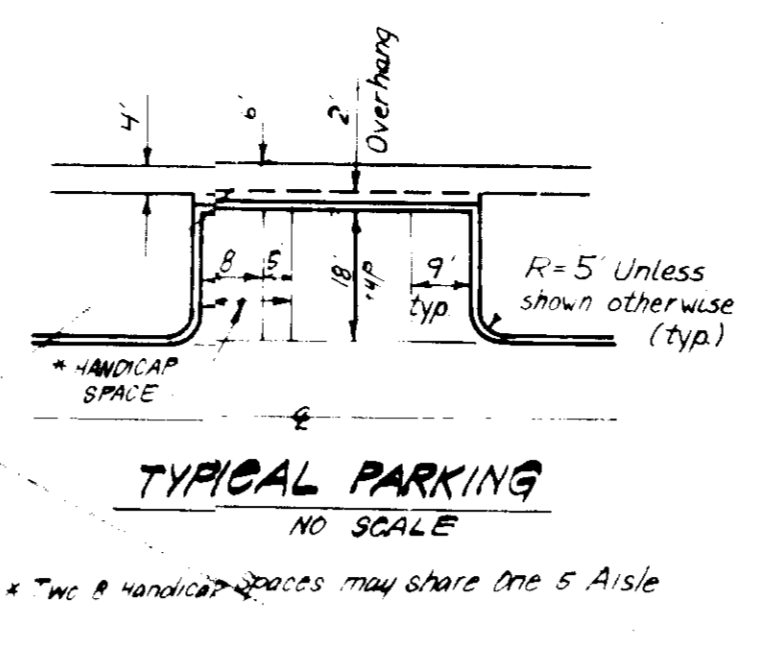
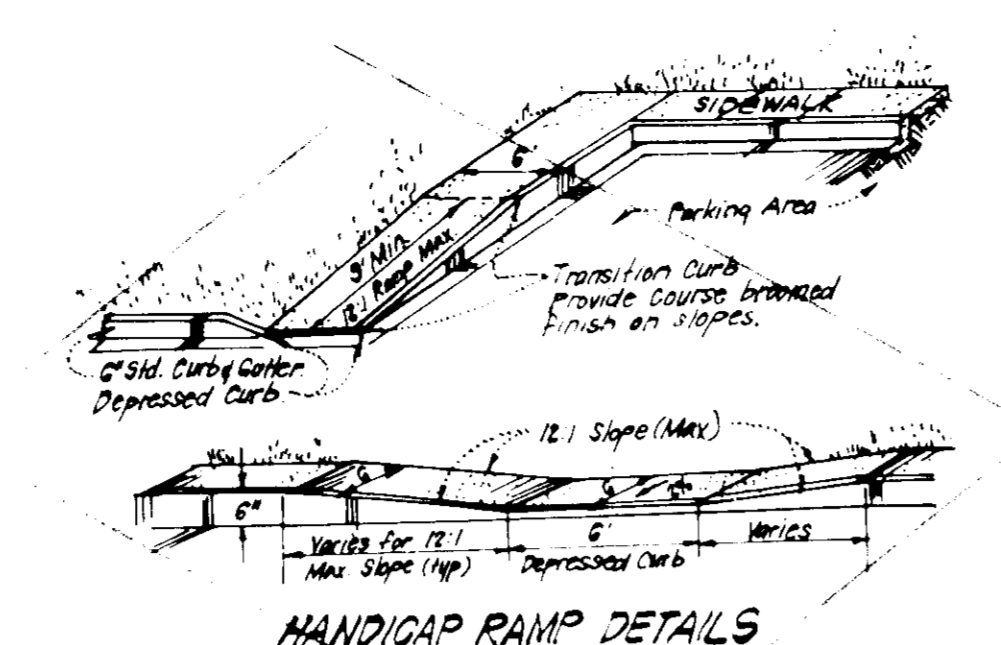
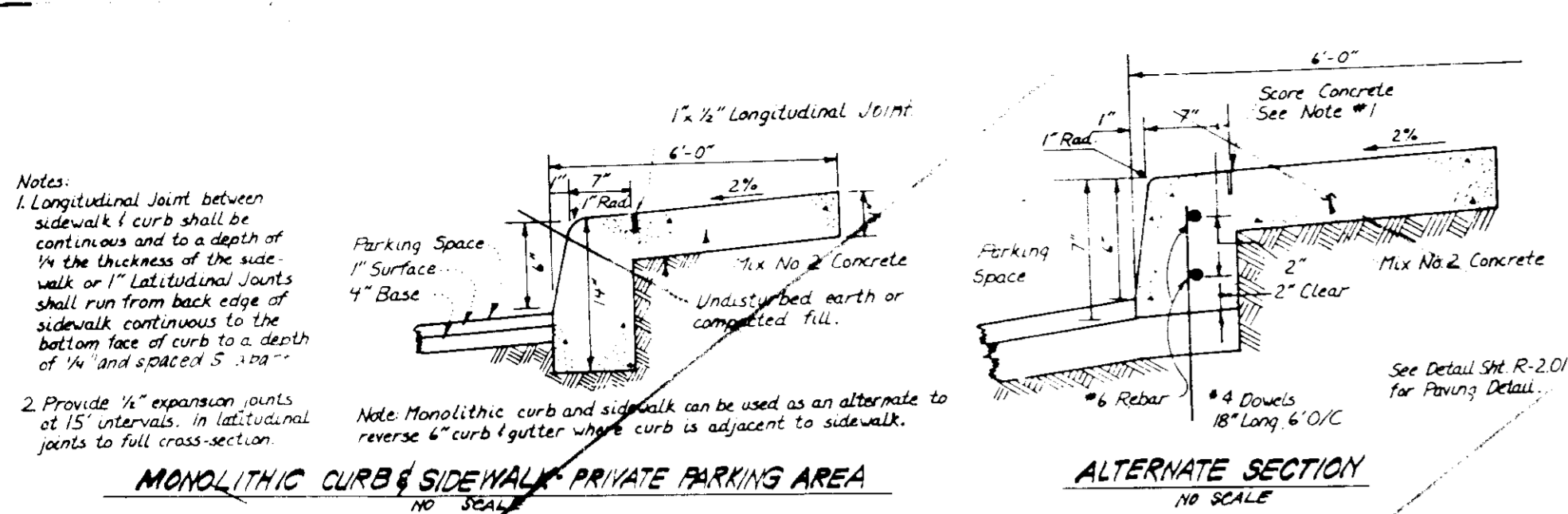
FOR: ROW, TERWILLIGER & MIDHAUX, INC.  
 10275 L. L. PARKWAY, P.O. BOX #201  
 Columbia, Md. 21044

SCALE: 1"=30'  
 DRAWING: 10P5  
 JOB NO: 05-117  
 FILE NO: 85-117-X

SDP-87-211c

**GENERAL NOTES**

- All materials and construction to be in accordance with Howard County Road Construction Code and Specifications.
- This plan is covered by Final Development Plan Phase 191-A.
- Any damage to county owned rights of way to be corrected at the developer's expense.
- Installation of traffic Control Devices shall be in accordance with the latest edition of the "Manual of Uniform Traffic Control."
- Topography was compiled from actual field survey.
- The area shown is located on Tax Map 30 Parcel 204.
- All drive ways and parking to be privately owned and maintained.
- All coordinates are based on Howard County Geodetic Control Survey traverse which is based on the Maryland State Plane Coordinate System.
- Trench by the Box Storm Drainage to be in accordance with H.C. Std G-2-01.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location by digging test pits, by hand, at all utility crossings, well in advance of construction.
- The contractor or developer shall contact the Construction Inspection, Survey Division 24 hrs in advance of work. 992-2417 or 792-7272.
- All downspout drains shall be handled by one of these methods:
  - Downspout to splash blocks and discharged to ground having good percolation.
  - Downspout in front of Units piped to curb.
  - Downspout connected to storm drain.
- The developer agrees to work with the Dept. of Licenses & Inspection to resolve any problems caused by roof water discharge.
- Handicap Parking Details shall be in accordance with the "Maryland Building Code for the Handicapped", Sect. 5.01-7.05 and details shd. 2.
- All setbacks requirements and criteria as shown in F.A.P. 191-A.
- Storm Water Management Provided in Central Facility, F 86-26.
- All parking islands shall be mounded at  $\pm 5:1$  slopes.



**WATER AND SEWER NOTES**

- All Sewer Mains shall be PVC, C.S.P.X., V.C.P.X. or A.C.P. class 2400 except where indicated.
- All construction methods and materials for on-site private water and sewer systems shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Std. Details and Specifications where necessary.
- All Water House Connections shall have a minimum of 3.5' of cover.
- Sewer House Connections shall be built to within 5 ft. of buildings at the slope shown.

BLDG NO	BLDG TYPE	UNIT TYPES					TOTAL
		A-1	A-3	B-1	B-3	C-2	
1	LEASING OFFICE						20
2	2-STORY W/BRASMT	10					20
3	2 1/2-STORY W/BRASMT	10 (1HC)				10 (1HC)	20
4	3-STORY W/BRASMT	12					24
5	3-STORY W/BRASMT			14 (1HC)		14	28
6	2 1/2-STORY W/BRASMT	14					24
7	2-STORY W/BRASMT	10					20
8	2 1/2-STORY W/BRASMT	14 (1HC)				10 (1HC)	24
9	3-STORY W/BRASMT	14				14	28
<b>TOTAL</b>		<b>42</b>	<b>46</b>	<b>14</b>	<b>66</b>	<b>24</b>	<b>198</b>

(BHC UNITS)

UNIT TYPE	AREA (SF)
A-1 (1 BR)	636 SF
A-3 (1 BR)	700 SF
B-1 (1 BR)	855 SF
B-3 (1 BR)	1,005 SF
C-2 (3 BR)	1,351 SF

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

DATE: 5-11-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

DATE: 5-25-87

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

DATE: 5-26-87

DATE: 5-19-87

**APPROVED**

PLANNING BOARD OF HOWARD COUNTY

DATE: 4-29-87



**CLARK • FINEFROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: [Signature]

WHT: [Signature]

DRAWN: [Signature]

CHECKED: [Signature]

DATE: 5-27-86

**REVISED SITE DEVELOPMENT PLAN PAVING DETAILS AND SEWER PROFILES FOR LEASING OFFICE, POOL & REC. AREA - PARCEL C-1**

**COLUMBIA**

VILLAGE OF DORSEY'S SEARCH SECTION 3 STW ELECTION DISTRICT 7 HOWARD COUNTY, MARYLAND

FOR: CRONK, TERWILLIGER & MICHAUX, INC. 5550 Stierrett Place # 201 Columbia, Md. 21044

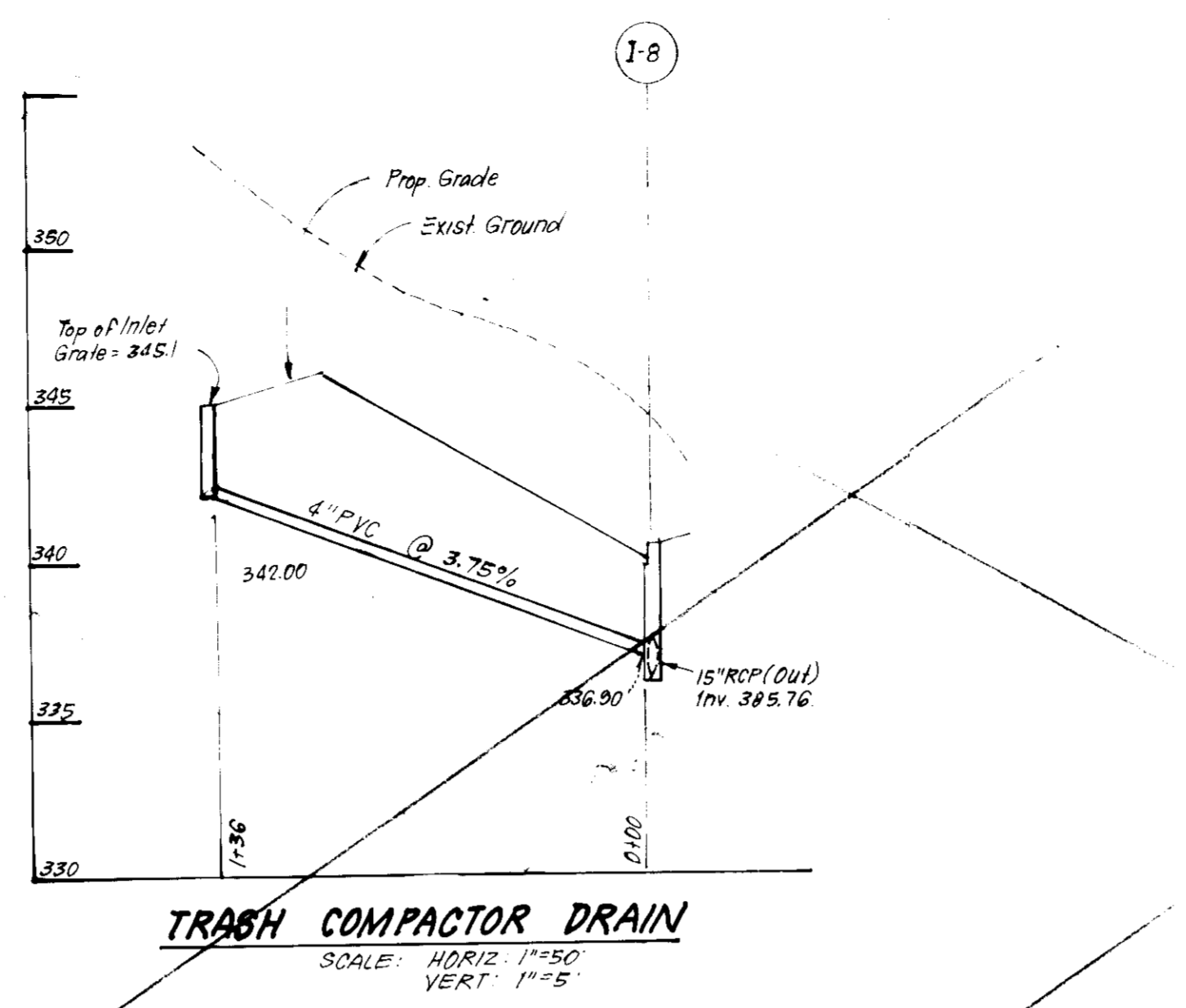
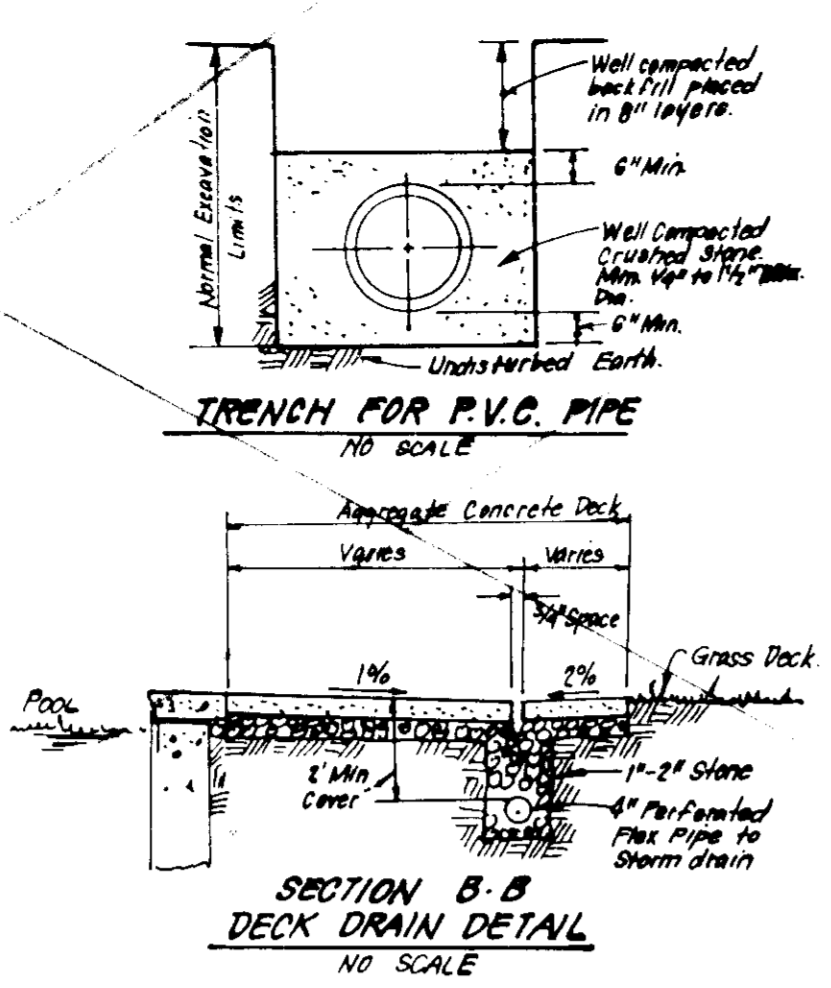
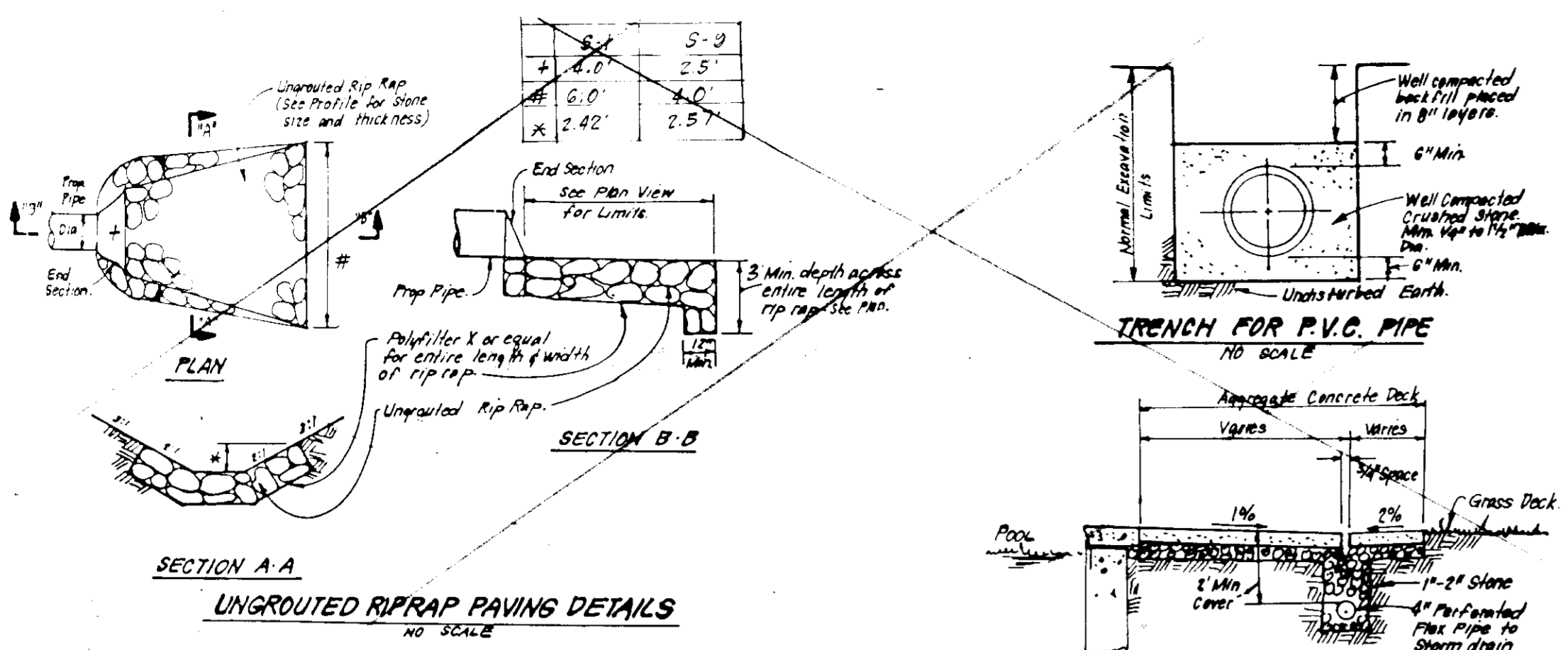
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JOB NO.: 88-117

FILE NO.: 88-117-X

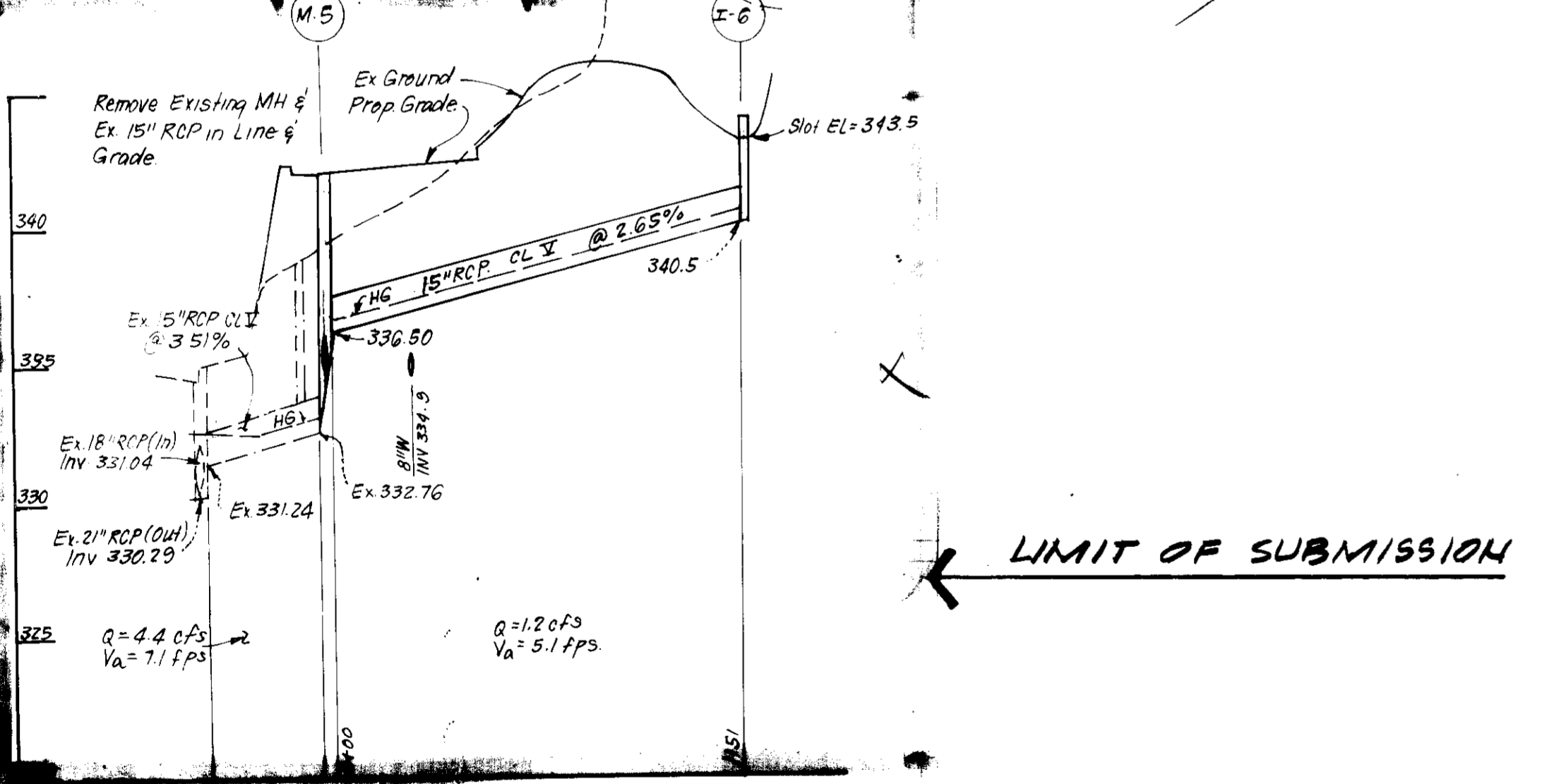
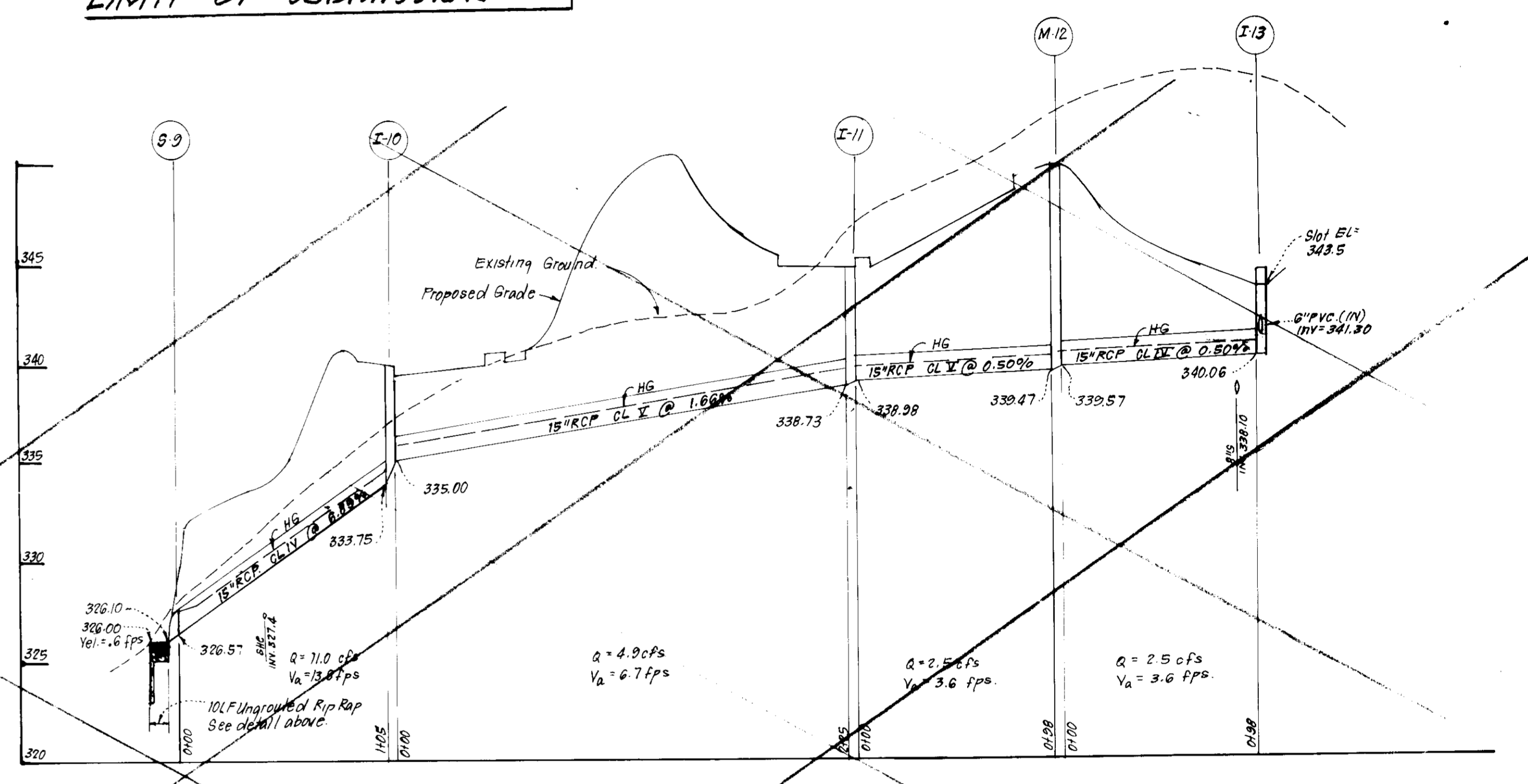
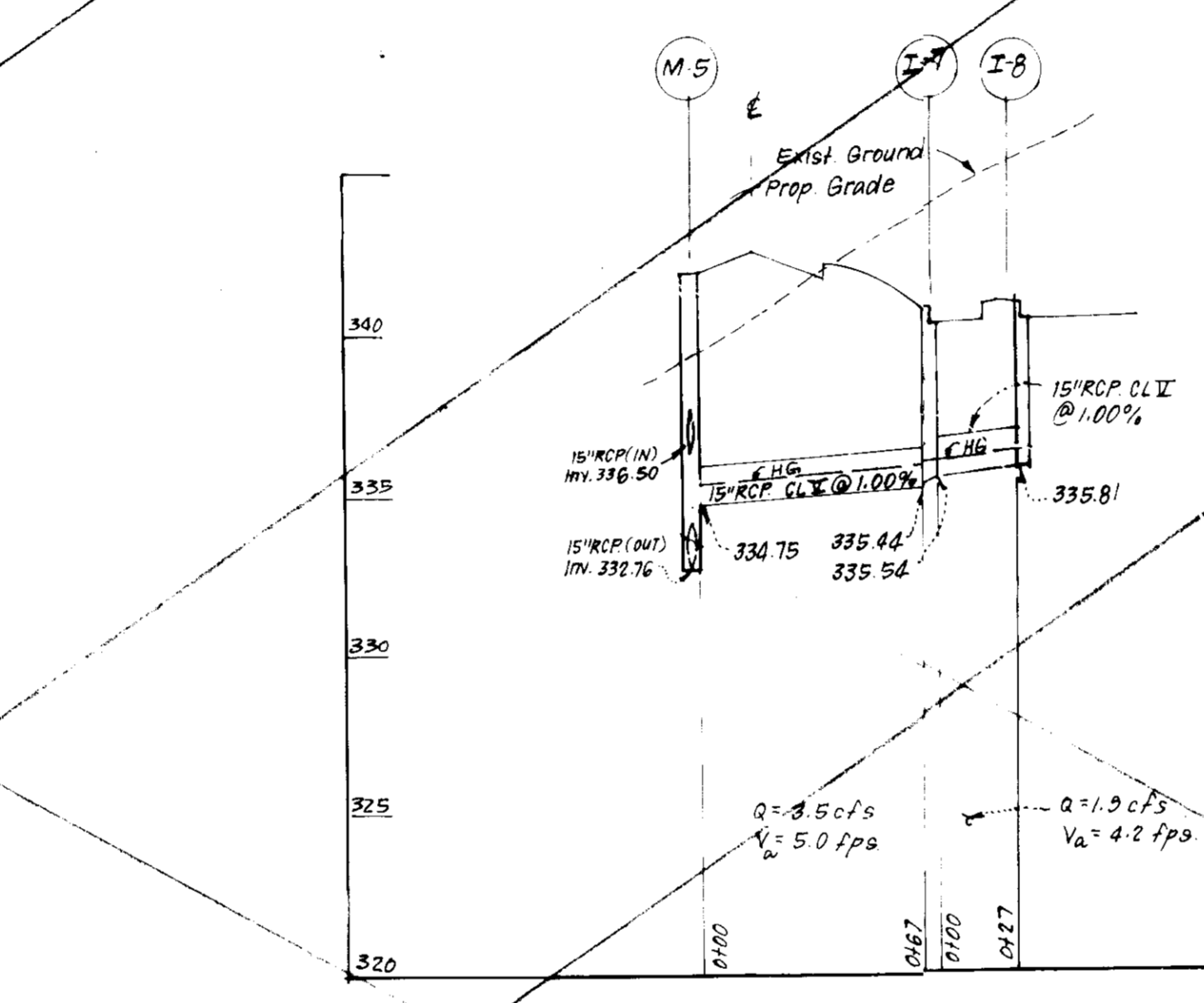
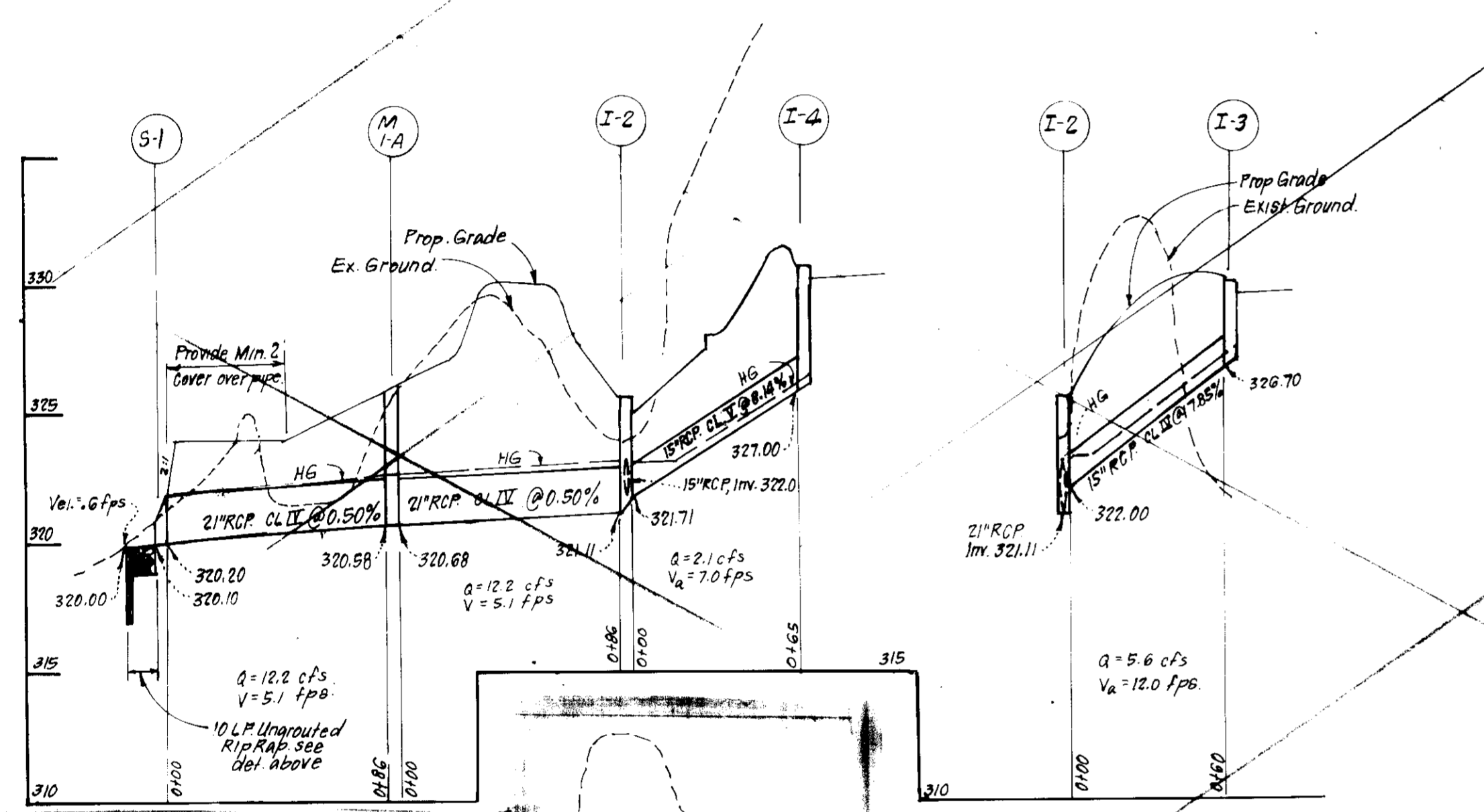
SDP-87-211c



SIZE	TYPE	LENGTH
15"	RCP CL IV	165 LF
15"	RCP CL V	731 LF
21"	RCP CL IV	172 LF
4"	PVC	136 LF
6"	PVC	74 LF

No.	TYPE	INV. IN	TOP ELEVATION		REMARKS	LOCATION
			UPPER	LOWER		
S-1	Concrete End Section	328.20	328.10	326.00	Ho. Co. Std. SD 5.51	21" Dia. See Plan
M-1A	Shallow Brick Manhole	320.68	320.58	325.30	G. 5.05	48" Sq.
I-2	A-10 Inlet w/Deflectors	321.71/322.00	321.11	325.74	SD 4.02	W-2'-6"
I-3	A-10 Inlet	-	322.50	330.28	SD 4.02	W-2'-6"
I-4	A-10 Inlet	-	322.00	330.92	SD 4.02	W-2'-6"
M-5	Brick Manhole	336.50/334.76	332.76	342.19	G. 5.01	48" Dia.
I-6	D Inlet	-	340.50	344.33	SD 4.11	2'-6" Sq.
I-7	A-5 Inlet w/Deflectors	335.54	335.44	340.88	SD 4.01	2'-6" Sq.
I-8	S Comb. Inlet	-	335.81	341.18	SD 4.32	2-7' x 3'-5"
I-9	S Comb. Inlet	-	335.81	340.94	SD 5.51	15" Dia.
I-10	A-10 Inlet	326.51	326.10	339.70	SD 4.02	W-2'-6"
I-11	A-5 Inlet w/Deflectors	338.08	338.73	345.24	SD 4.01	W-2'-6"
M-12	Brick Manhole	339.57	339.47	349.67	G. 5.01	48" Dia.
I-13	D Inlet	-	340.06	346.33	SD 4.11	2'-6" Sq.

Δ All Inverts to be fully developed.  
 \* See Ho. Co. Std. SD 4.83 for Inlet Deflectors.  
 \* Provide Slot in all 4 sides



APPROVED: FOR PUBLIC WATER AND SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT. DATE: 5/21/87.

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING. PLANNING DIRECTOR: DATE: 5-25-87. DATE: 6-22-87.

APPROVED: FOR PUBLIC WATER AND SEWERAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. DATE: 5-10-87. DATE: 5-12-87.

APPROVED: PLANNING BOARD OF HOWARD COUNTY. DATE: 4-29-87.

APPROVED: DEVELOPER'S REPRESENTATIVE. DATE: 5-7-87.

DESIGNED: MCB. DRAWN: KIW. CHECKED: MCB. DATE: 6-6-86.

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS. 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 (301) 593-3400.

REVISED 4/16/87.

DESIGNED: MCB. DATE: 5-7-87.

DRAWN: KIW. DATE: 5-7-87.

CHECKED: MCB. DATE: 5-7-87.

DATE: 6-6-86.

OWNER: The Howard Research & Develop. Corp. 10275 Little Patuxent Parkway Columbia, Md. 21044.

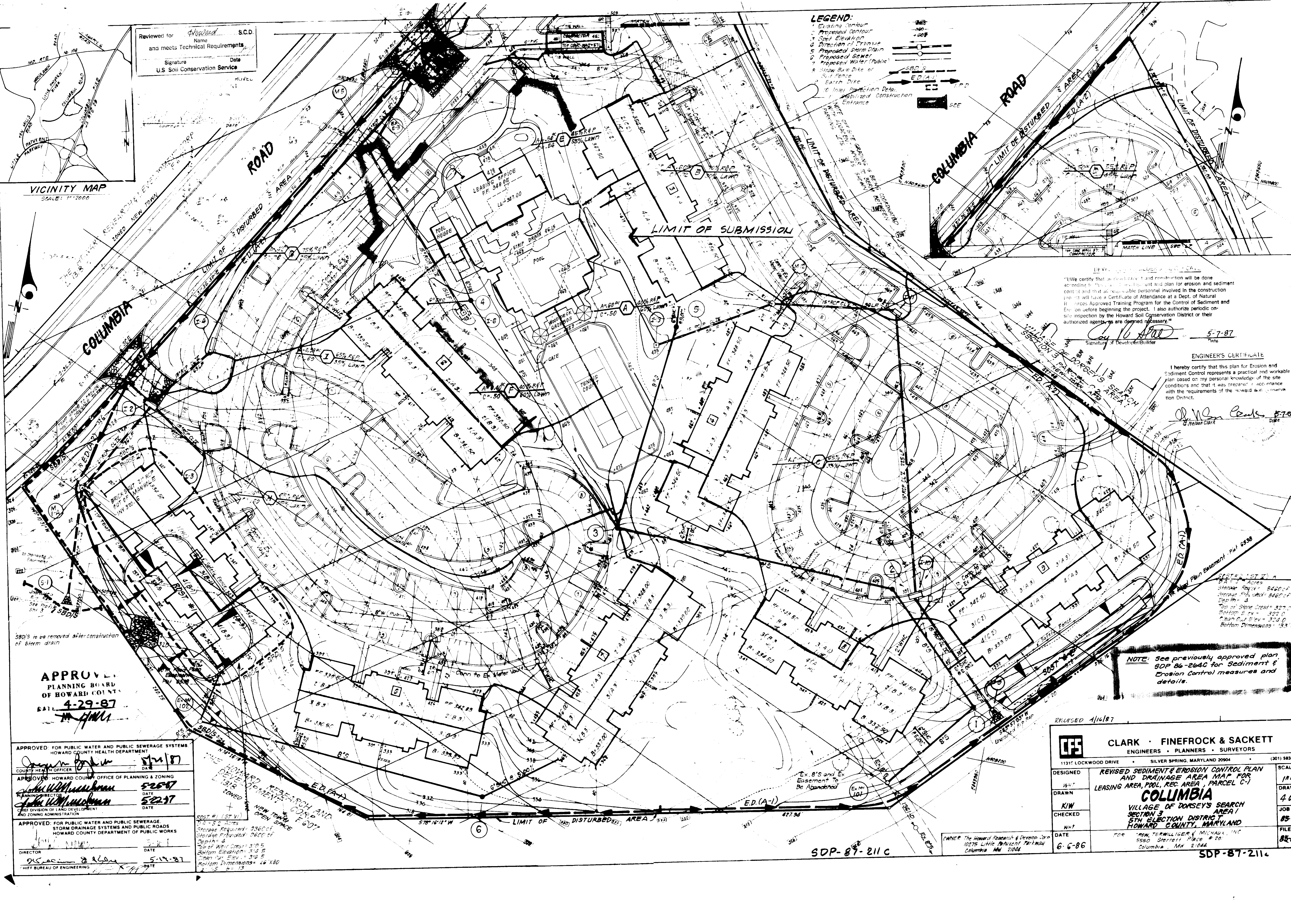
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SDP-87-211c

Reviewed for Howard S.C.D. Name  
and meets Technical Requirements  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
U.S. Soil Conservation Service

VICINITY MAP  
SCALE: 1"=2000'

**LEGEND:**  
 1 Existing Contour  
 2 Proposed Contour  
 3 Spot Elevation  
 4 Direction of Drainage  
 5 Proposed Storm Drain  
 6 Proposed Sewer (Public)  
 7 Proposed Water (Public)  
 8 Storm Sump Dike or Earth Dike  
 9 Inlet Protection Detail  
 10 Stabilized Construction Entrance



I, John W. Clark, certify that an evaluation and reconstruction will be done according to this plan and plan for erosion and sediment control and that all reasonable personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as deemed necessary.  
 Signature of Developer/Builder: John W. Clark Date: 5-7-87

**ENGINEER'S CERTIFICATE**  
 I hereby 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.  
 Signature: John W. Clark Date: 5-7-87  
 J. Nelson Clark

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: 4-29-87  
 M. H. HULL

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: \_\_\_\_\_ DATE: 5/11/87  
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: \_\_\_\_\_ DATE: 5-25-87  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: \_\_\_\_\_ DATE: 5-17-87  
 CHIEF BUREAU OF ENGINEERING

THE HOWARD RESEARCH AND DEVELOPMENT CORP.  
 10275 LITTLE PATENT PARKWAY  
 COLUMBIA, MD 21044  
 SUMP #1 (ST. VI)  
 1.2 - 5.2 Acres  
 Storage Required: 3360 cf  
 Storage Provided: 3600 cf  
 Dept. of Nat. Resources  
 Top of Sump Crest: 319.5  
 Bottom Elevation: 314.5  
 Clean Out Elev.: 314.5  
 Bottom Dimensions: 24' x 80'

NOTE: See previously approved plan SDP 86-264C for Sediment & Erosion Control measures and details.

REVISED 4/16/87

**CLARK · FINEFROCK & SACKETT**  
 ENGINEERS · PLANNERS · SURVEYORS  
 13131 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 583-3400

DESIGNED	WHT	REVISSED SEDIMENT & EROSION CONTROL PLAN AND DRAINAGE AREA MAP FOR LEASING AREA, POOL, REC. AREA, PARCEL C-1	SCALE	1"=30'
DRAWN	K/W		DRAWING	4 OF 5
CHECKED	WHT		JOB NO.	85-117
DATE	6-6-86		FILE NO.	85-117

**COLUMBIA**  
 VILLAGE OF DORSEY'S SEARCH SECTION 3 PARCEL C-1  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

OWNER: The Howard Research & Development Corp.  
 10275 Little Patent Parkway  
 Columbia, Md 21044

FOR: JOHN TERWILLIGER & MICHAEL, INC.  
 5550 Sherwin Place # 20  
 Columbia, Md 21044

SDP-87-211C

SDP-87-211C



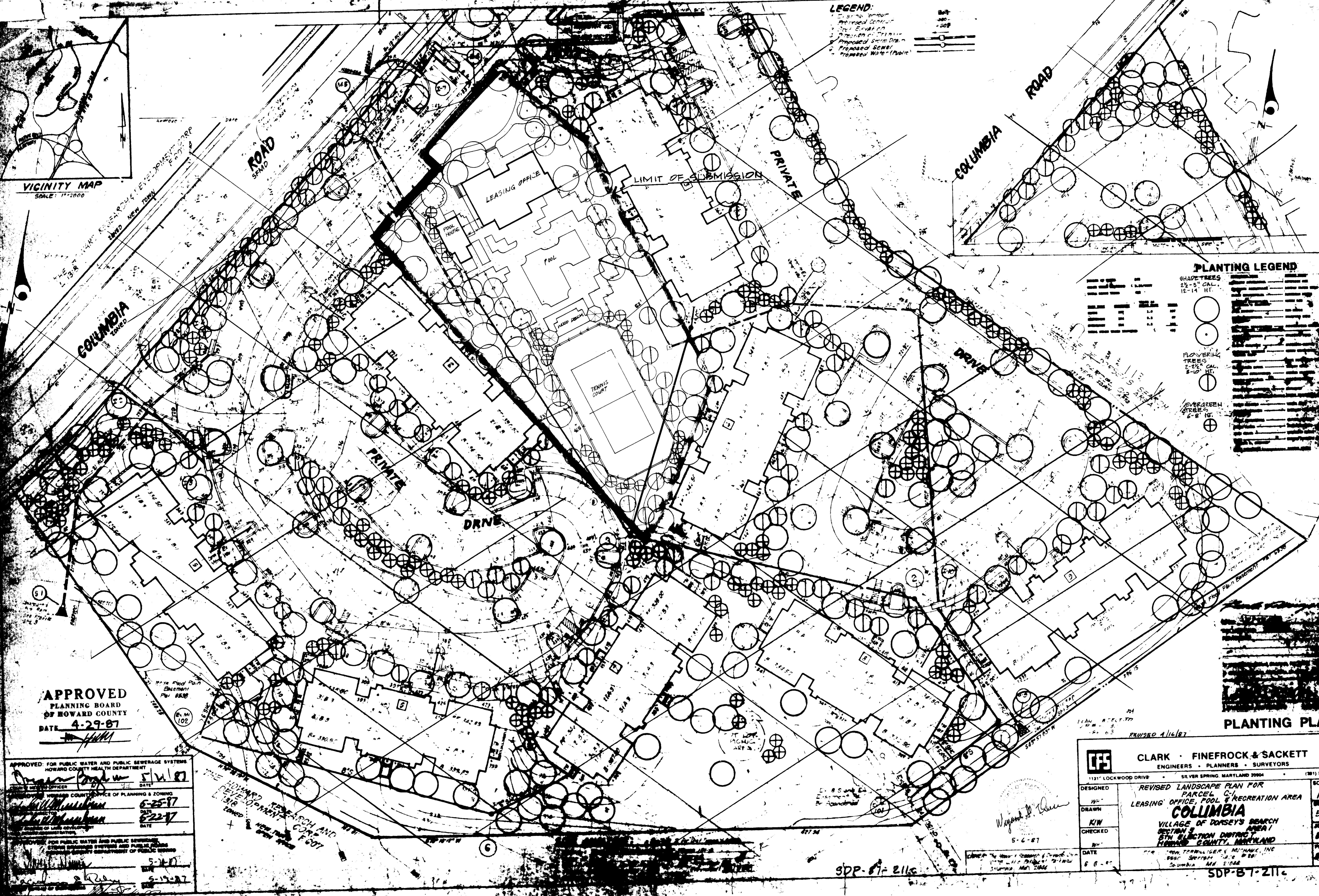
**LEGEND:**  
 1. Existing Structure  
 2. Proposed Contour  
 3. Street Elevation  
 4. Proposed Storm Drain  
 5. Proposed Sewer  
 6. Proposed Water (Furniture)

**PLANTING LEGEND**

SHADE TREES  
 2 1/2" - 3" CAL.  
 12-14 HT.

FLOWERING TREES  
 2 1/2" - 3" CAL.  
 8-10 HT.

EVERGREEN TREES  
 6-8 HT.



**APPROVED**  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: 4-29-87

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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

**CLARK · FINEROCK & SACKETT**  
 ENGINEERS · PLANNERS · SURVEYORS

1131 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 800-3000

DESIGNED: [Signature]  
 DRAWN: [Signature]  
 CHECKED: [Signature]  
 DATE: 6-6-87

REVISED LANDSCAPE PLAN FOR  
 PARCEL C-1  
 LEASING OFFICE, POOL & RECREATION AREA  
**COLUMBIA**  
 VILLAGE OF DORSEY'S SEARCH  
 SECTION 3  
 8TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: 1"=50'  
 5 OF 5  
 SDP-87-211c

**PLANTING PLAN**

SDP-87-211c

SDP-87-211c