

SHEET INDEX

NO	DESCRIPTION
1	SITE DEVELOPMENT PLAN
2	DETAILS AND PROFILES
3	DRAINAGE AREA MAP AND SEDIMENT CONTROL PLAN
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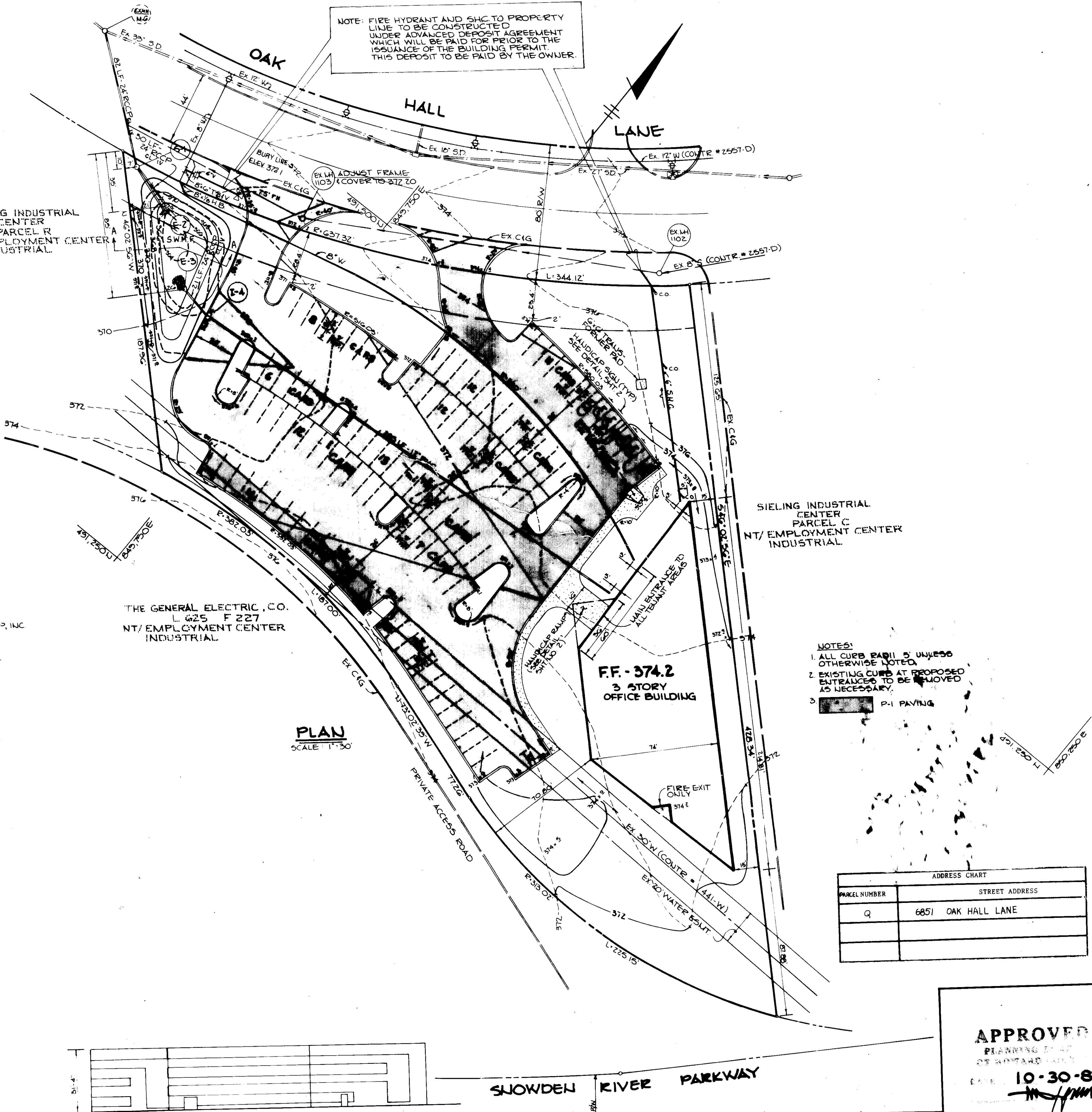
SIELING INDUSTRIAL CENTER
PARCEL R
NT/EMPLOYMENT CENTER INDUSTRIAL

GENERAL NOTES

- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- CORRUGATED STEEL PIPE SECTIONS WILL BE JOINED WITH A SINGLE OR TWO PIECE CORRUGATED BAND WITH A WATERTIGHT NEOPRENE GASKET. DIMPLE BAND CONNECTORS WILL NOT BE PERMITTED.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.C., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

MISS UTILITY	559-0100
C & P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS & ELECTRIC COMPANY	685-0123
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)	792-7272
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED AUGUST, 1985 BY THE RIEMER GROUP, INC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL G2.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.

NOTE: FIRE HYDRANT AND SHC TO PROPERTY LINE TO BE CONSTRUCTED UNDER ADVANCED DEPOSIT AGREEMENT WHICH WILL BE PAID FOR PRIOR TO THE ISSUANCE OF THE BUILDING PERMIT. THIS DEPOSIT TO BE PAID BY THE OWNER.



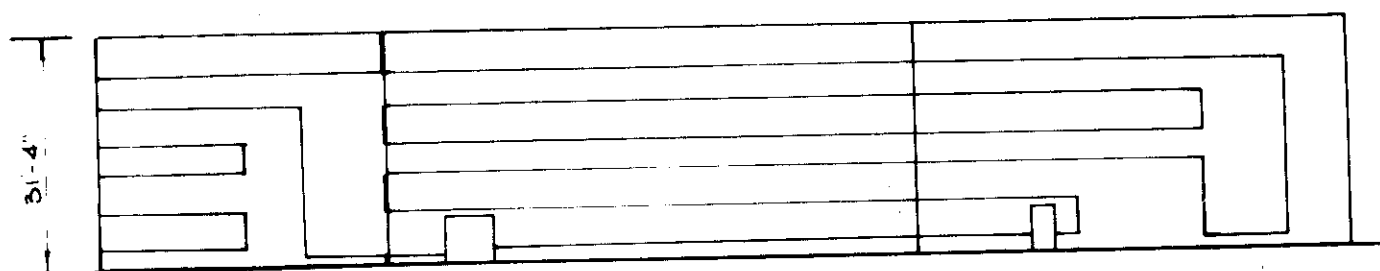
THE GENERAL ELECTRIC CO.
L. 625 F 227
NT/EMPLOYMENT CENTER INDUSTRIAL

F.F. - 374.2
3 STORY
OFFICE BUILDING

SIELING INDUSTRIAL CENTER
PARCEL C
NT/EMPLOYMENT CENTER INDUSTRIAL

- NOTES:**
- ALL CURB RADIUS UNLESS OTHERWISE NOTED.
 - EXISTING CURBS AT PROPOSED ENTRANCES TO BE REMOVED AS NECESSARY.
 - P-I PAVING

PLAN
SCALE 1"=30'



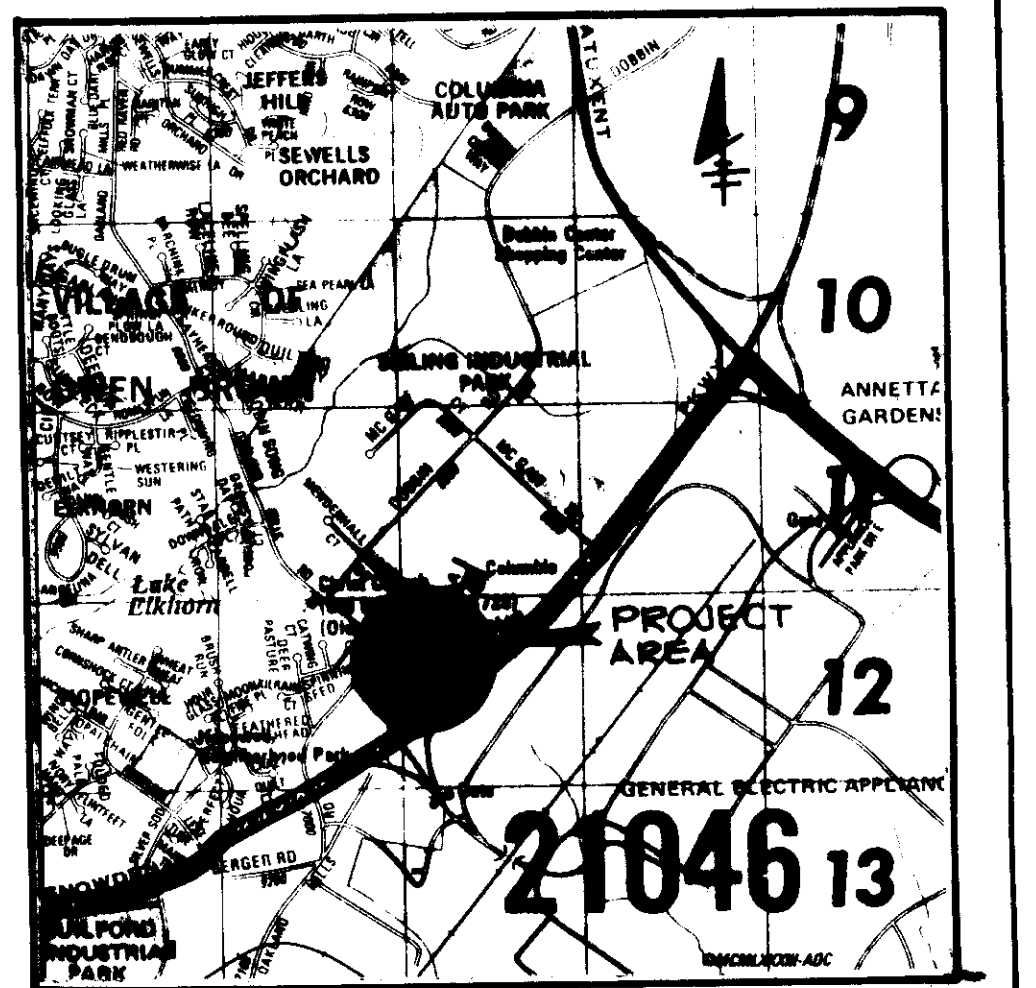
BUILDING ELEVATION
NO SCALE

SITE TABULATION - FDP-117-A	
EXISTING ZONING	NEW TOWN: EMPLOYMENT CENTER - INDUSTRIAL
PROPOSED USE	OFFICE
TOTAL AREA	2,256 ACRES (98,272 SF)
BUILDING COVERAGE PERMITTED (50%)	49,136 SF
BUILDING COVERAGE PROPOSED (10.7%)	10,534 SF
PROPOSED HEIGHT	51'-4"
OFFICE SPACE	26,505 SF GROSS 26,141 SF NET LEASABLE AREA
- 1ST FLOOR	10,222 SF GROSS
- 2ND FLOOR	10,147 SF GROSS
- 3RD FLOOR	10,136 SF GROSS
PARKING REQUIRED @ 2 SPACES PER 1000 SF NET LEASABLE AREA	53 SPACES
PARKING PROVIDED (INCLUDES 5 HANDICAPPED SPACES)	107 SPACES

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
Q	6851 OAK HALL LANE

SUBDIVISION NAME	SIELING INDUSTRIAL CENTER	SECT./AREA	SECT. 1, AREA 1	LOT/PARCEL #	PARCEL Q
PLAT # OR L/F	PE 24, F 95	BLOCK #	5	ELEC. DIST.	6065 02
WATER CODE		SEWER CODE			

APPROVED
PLANNING DEPT.
DATE 10-30-85
[Signature]



VICINITY MAP
SCALE 1"=2000'

AS-BUILT CERTIFICATE

[Signature]
ARTHUR E. MUEGGE 11/3/92
DATE

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

[Signature] 12-3-85
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
[Signature] 12-4-85
DATE

[Signature] 12-4-85
DATE

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

[Signature] 11-29-85
DATE

[Signature] 11-27-85
DATE

DATE	NO	REVISION

OWNER: HOWARD RESEARCH AND DEVELOPMENT CO.
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

DEVELOPER: TA, P.O. LIMITED PARTNERSHIP
5900 STERRETT PLACE
SUITE 102
COLUMBIA, MARYLAND 21044

PROJECT: **PARCEL Q**

AREA: SIELING INDUSTRIAL CENTER
6TH ELECTION DISTRICT, HOWARD COUNTY, MD
SECTION 1 AREA 1

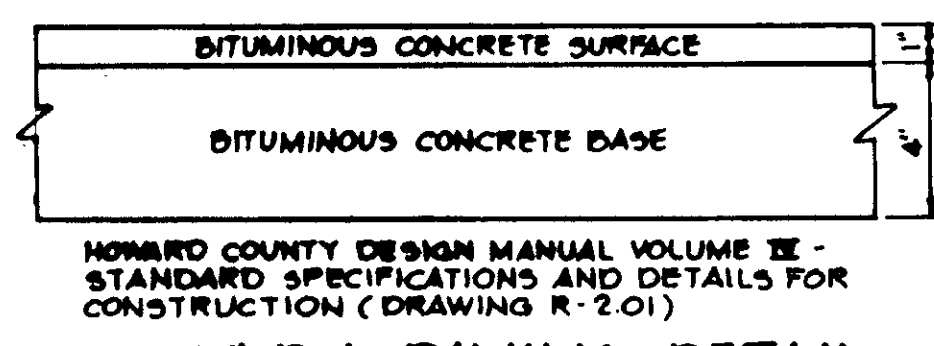
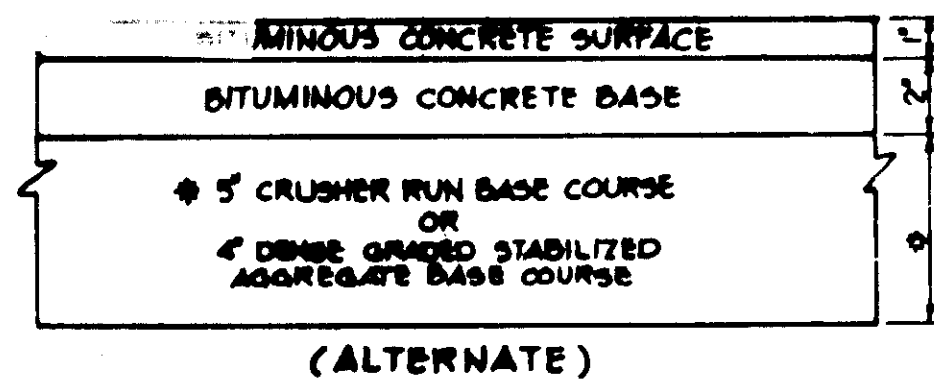
TITLE: **SITE DEVELOPMENT PLAN**

THE RIEMER GROUP, INC.
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
3106 Heath Park Drive, Ellicott City, Maryland 21043 (301) 461-2890

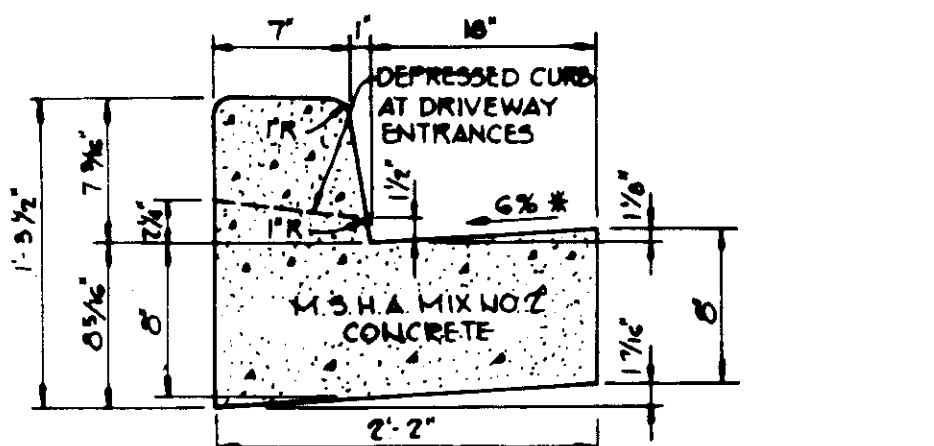
DESIGNED BY: JKB
DRAWN BY: WCV
PROJECT NO: 22900
DATE: 9/6/85
SCALE: AS SHOWN
DRAWING NO. 1 OF 4

AS-BUILT-1-15-02 SDP-86-58C

NOVEMBER 6, 1985

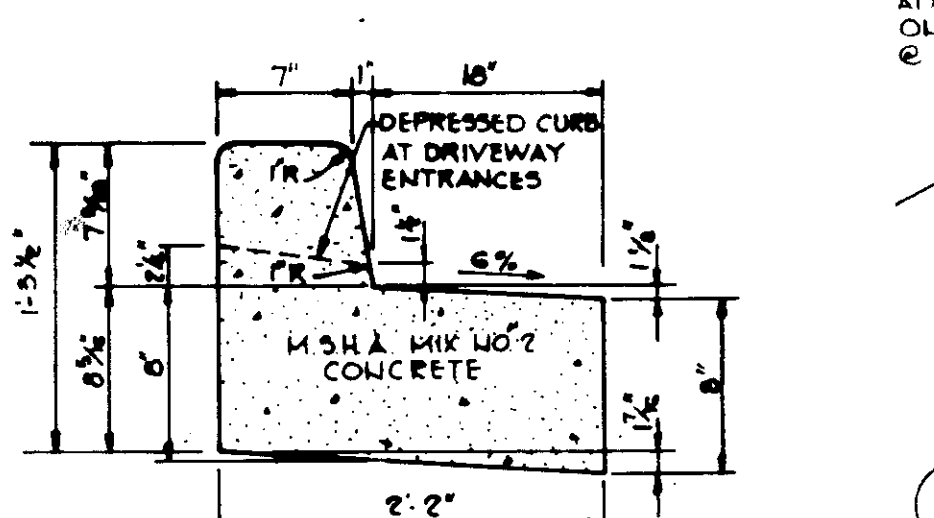


5" P-1 PAVING DETAIL
NO SCALE

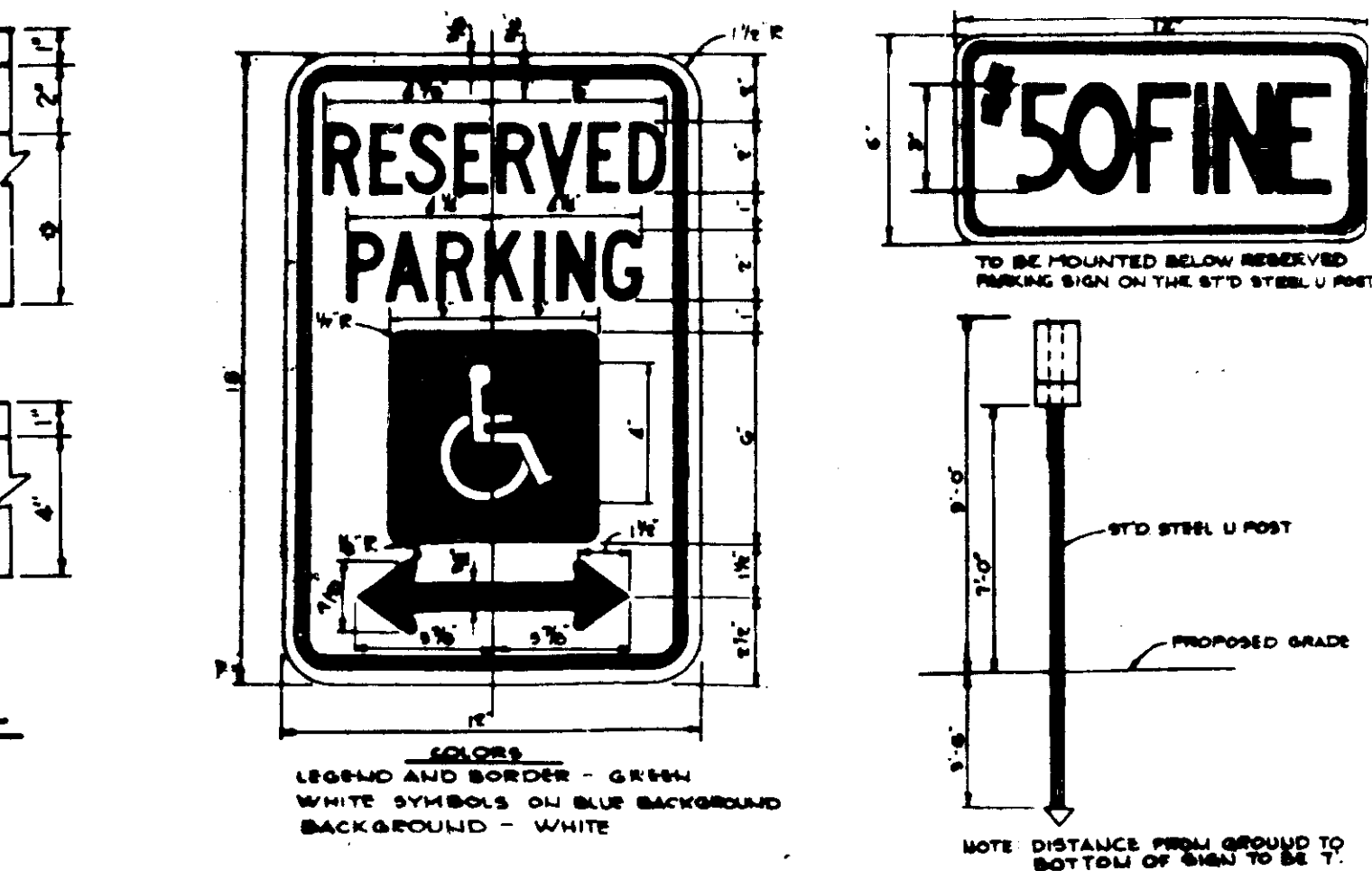


HOWARD COUNTY DESIGN MANUAL VOLUME IX - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-501)
* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

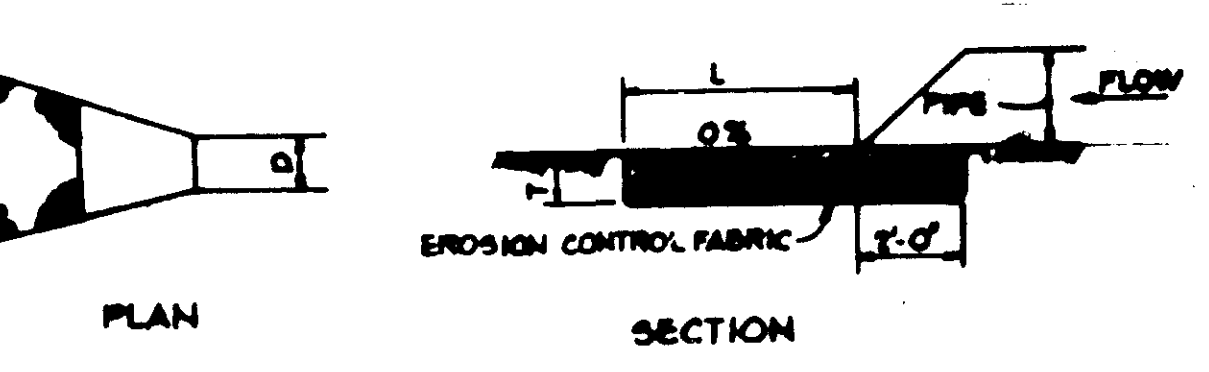
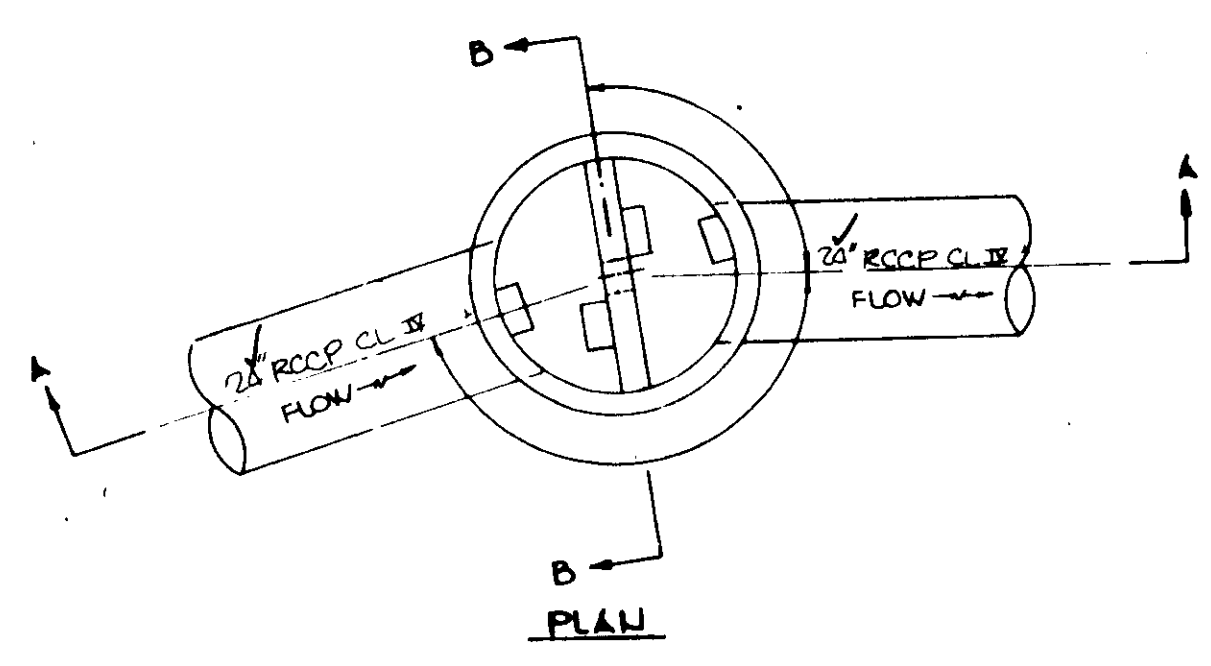
STANDARD 7" COMBINATION CURB AND GUTTER
NO SCALE



REVERSE 7" COMBINATION CURB AND GUTTER
NO SCALE

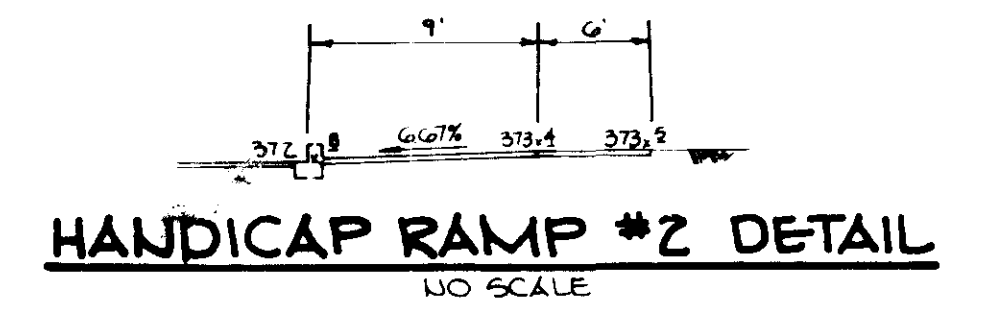


HANDICAP SIGN DETAIL
NO SCALE

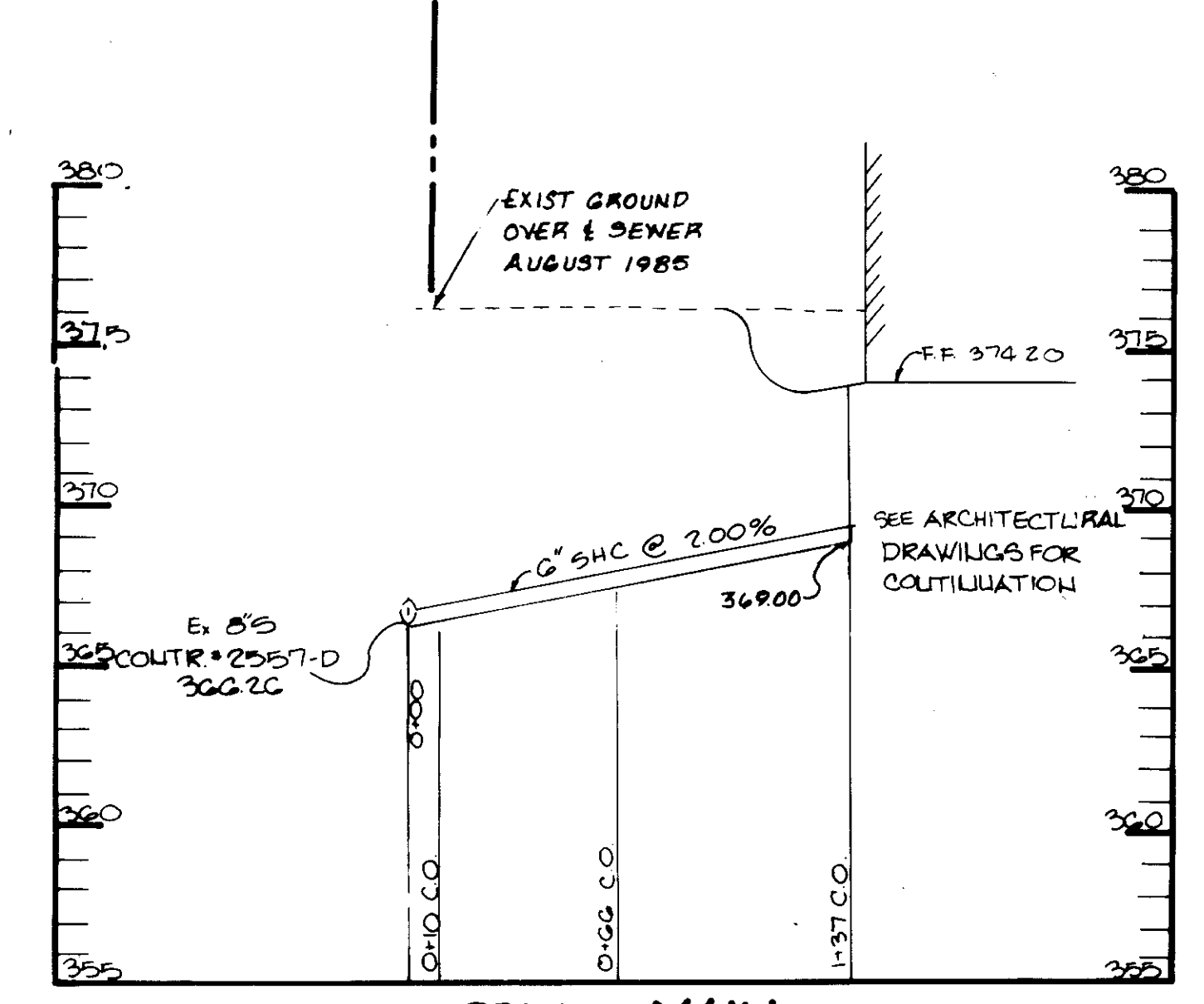


STRUCTURE	MEDIUM STONE DIA.	LENGTH (L)	WIDTH (W)	THICKNESS (T)
E-3	0.67	10' 11"	10' 11"	1.5'

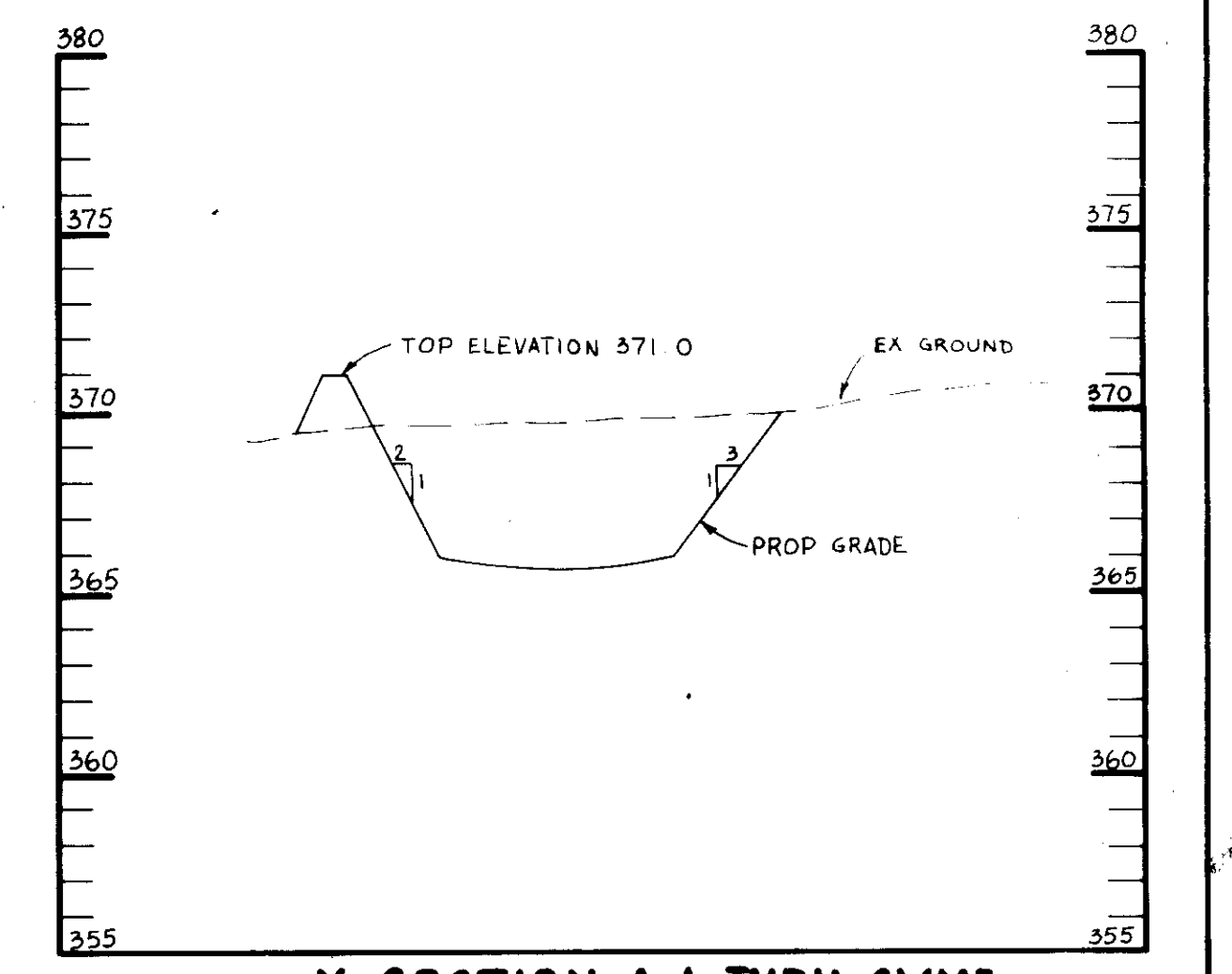
OUTLET PROTECTION DETAIL
NO SCALE



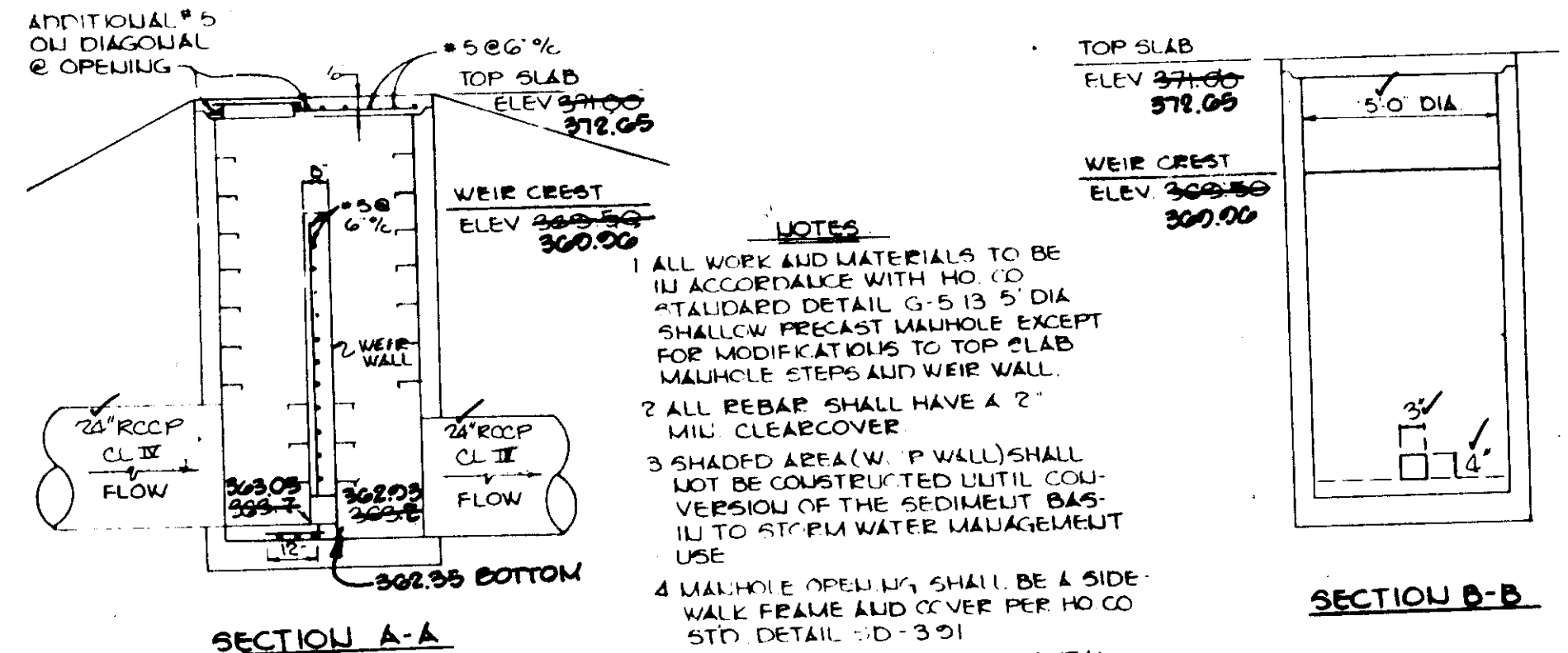
HANDICAP RAMP #2 DETAIL
NO SCALE



SEWER MAIN
SCALE: HORIZ 1"=50' VERT 1"=5'

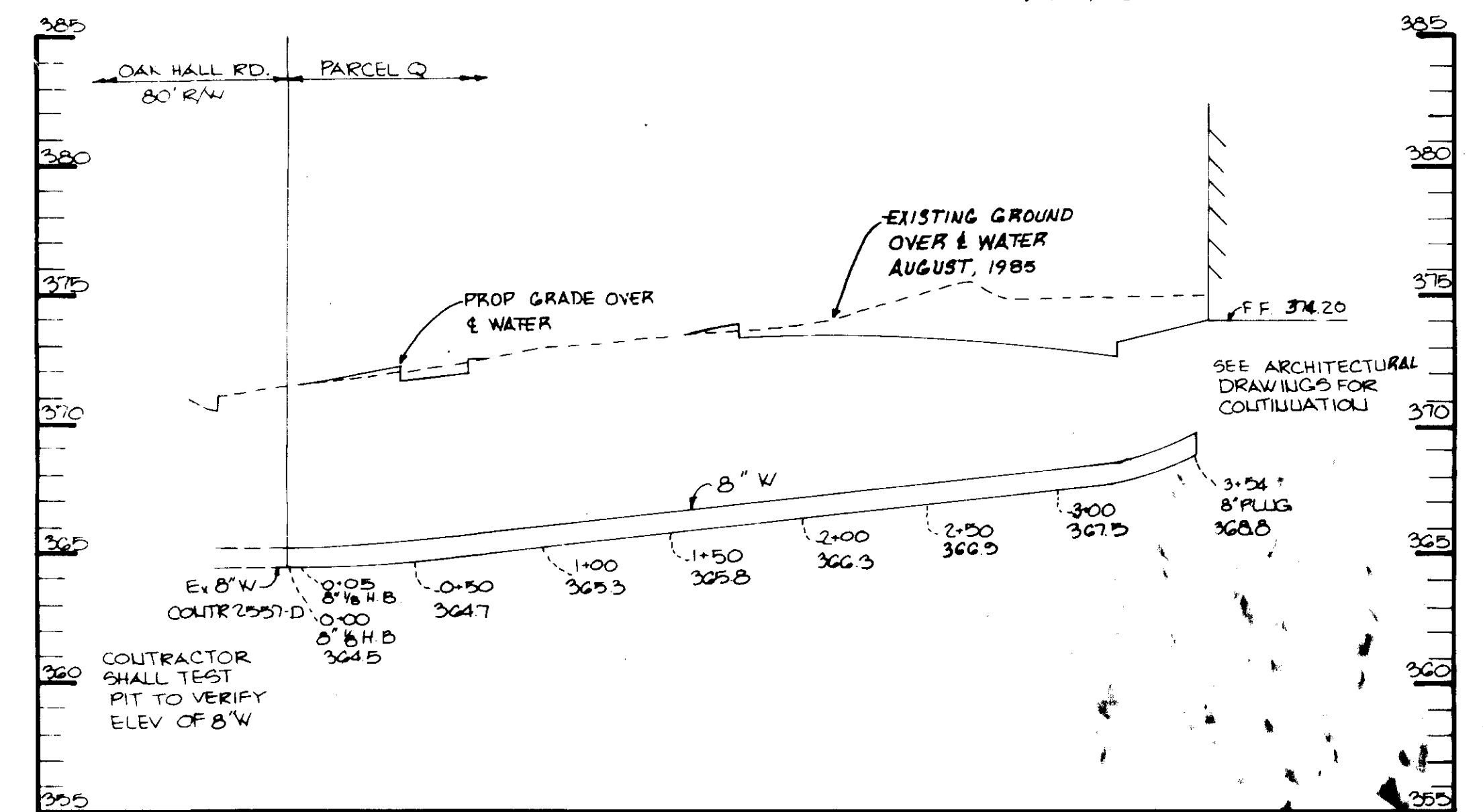


X-SECTION A-A THRU SWMF
SCALE: HORIZ 1"=20' VERT 1"=5'



CONTROL STRUCTURE S-1
NO SCALE

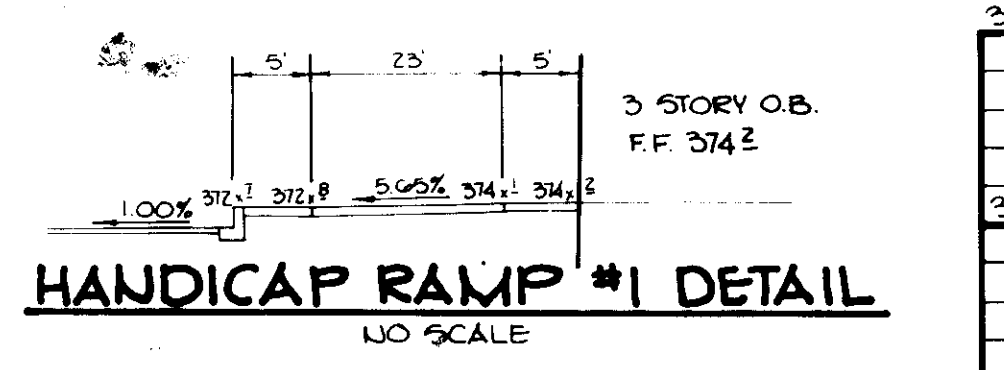
- NOTES
- 1 ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH HO CO STANDARD DETAIL G-5 IS 15" DIA SHALLOW PRECAST MANHOLE EXCEPT FOR MODIFICATIONS TO TOP SLAB MANHOLE STEPS AND WEIR WALL.
 - 2 ALL REBAR SHALL HAVE A 2" MIN CLEARCOVER
 - 3 SHADED AREA (W.P. WALL) SHALL NOT BE CONSTRUCTED UNTIL COMPLETION OF THE SEDIMENT BASIN TO STOP WATER MANAGEMENT USE
 - 4 MANHOLE OPENING SHALL BE A SIDE WALK FRAME AND COVER PER HO CO STD DETAIL S-D-3-21
 - 5 DO NOT EVERY OTHER HORIZONTAL REBAR IN WEIR WALL 4" INTO MANHOLE WALLS GROUT HOLES WITH NON-SHINKING GROUT PRIOR TO POURING WEIR WALL



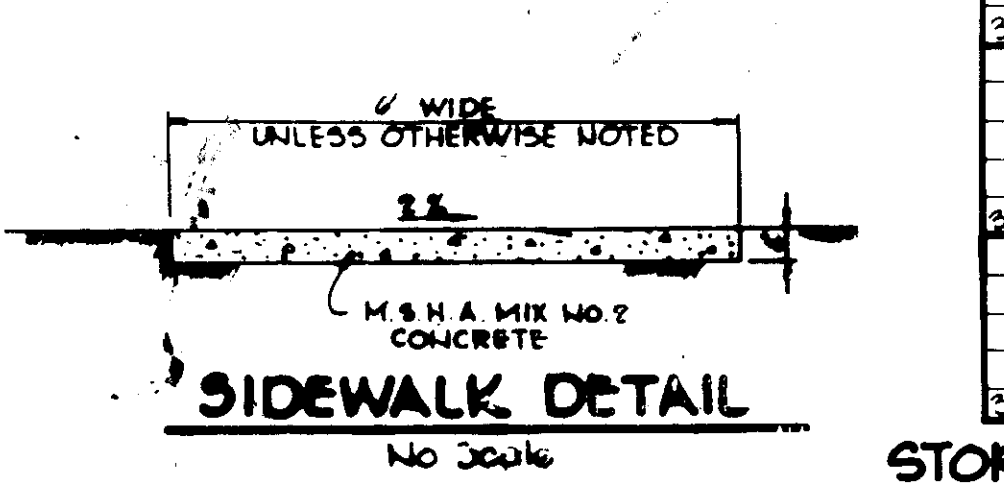
WATER MAIN
SCALE: HORIZ 1"=50' VERT 1"=5'

STRUCTURE SCHEDULE

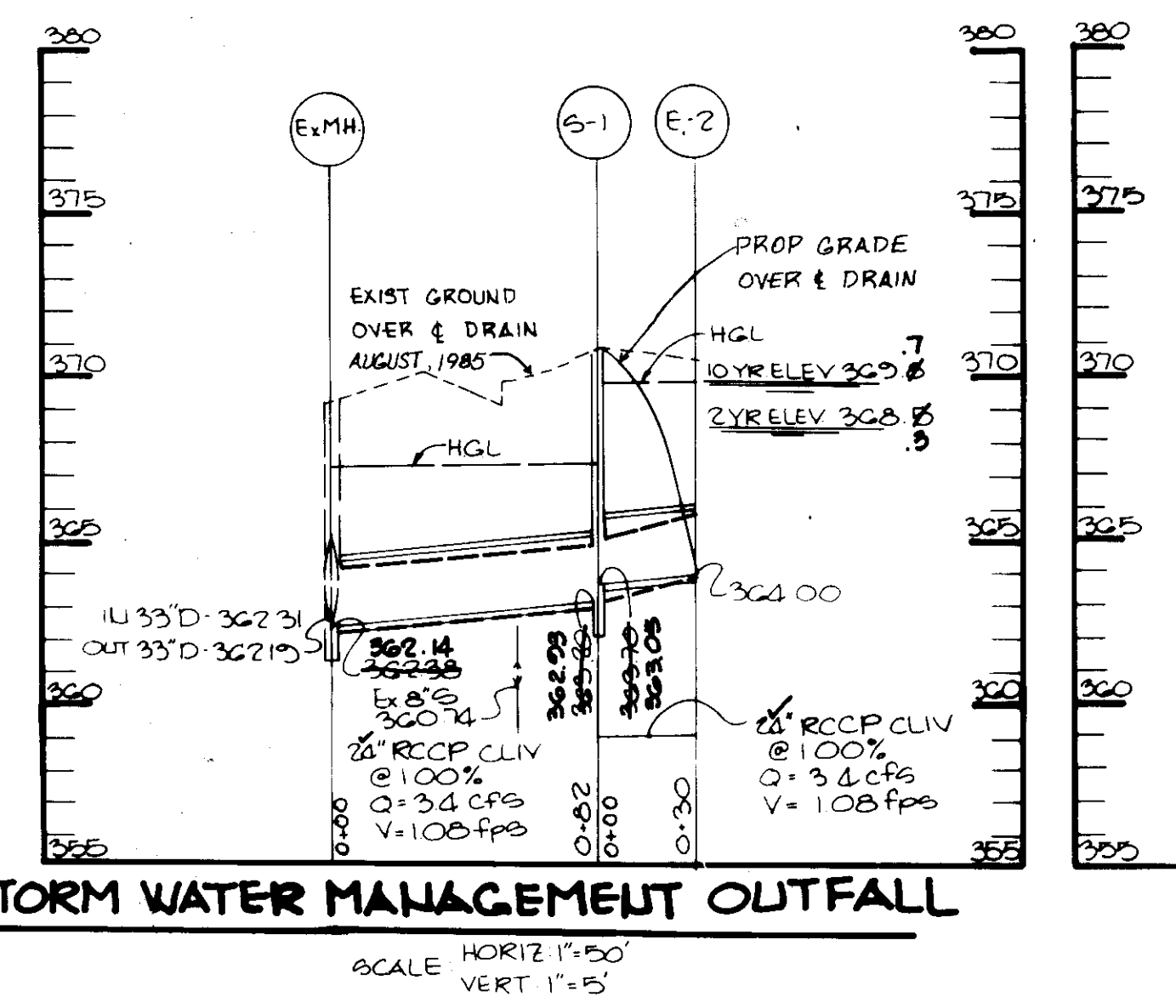
NO.	TYPE	LOCATION	INV/IN	INV/OUT	TO OR FROM ELEVATION	REMARKS
S-1	CONTROL STRUCTURE	SEE PLAN	362.05	362.05	371.0	SEE DETAIL SHEET NO 2
I-4	5" COMB INLET	SEE PLAN	365.21	365.21	370.0	HO CO STD 4.32
E-2	24" CONC END SECTION	SEE PLAN	362.05	---	---	HO CO STD 5.51
E-3	24" CONC END SECTION	SEE PLAN	362.05	364.04	---	HO CO STD 5.51



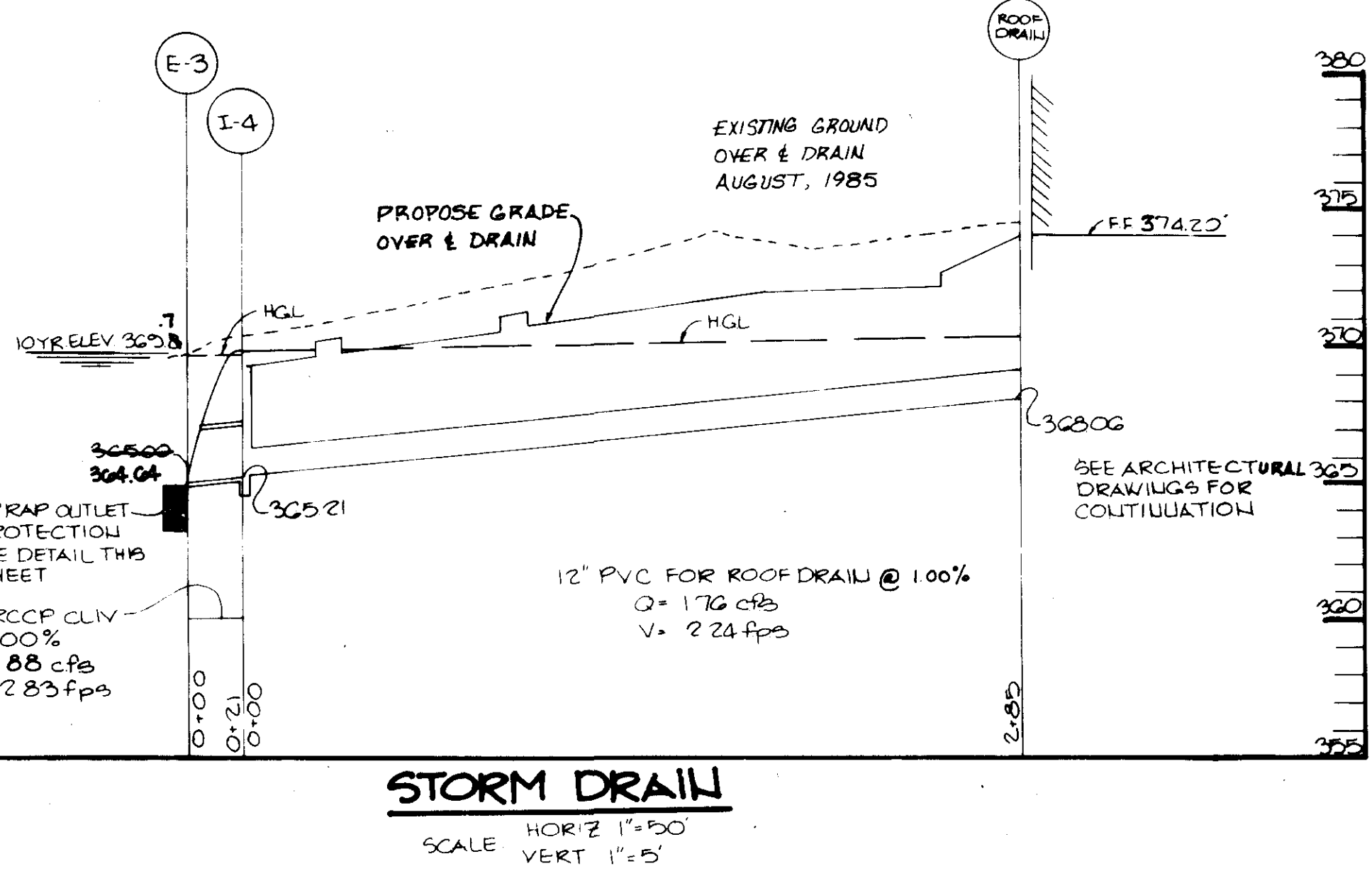
HANDICAP RAMP #1 DETAIL
NO SCALE



SIDEWALK DETAIL
NO SCALE



STORM WATER MANAGEMENT OUTFALL
SCALE: HORIZ 1"=50' VERT 1"=5'



STORM DRAIN
SCALE: HORIZ 1"=50' VERT 1"=5'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John P. Jones 12-3-85
COUNTY HEALTH DEPARTMENT
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas A. King 12-4-85
PLANNING DIRECTOR
DATE

John M. Mankin 12-4-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
John F. Nalley 11-24-85
DIRECTOR
DATE

William S. King 11-27-85
CHIEF, BUREAU OF ENGINEERING
DATE

OWNER HOWARD RESEARCH AND DEVELOPMENT CORP.
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

DEVELOPER: T.A.P.O. LIMITED PARTNERSHIP
5560 STERRETT PLACE
SUITE 105
COLUMBIA, MARYLAND 21044

PROJECT: PARCEL 'Q'

AREA: SIELING INDUSTRIAL CENTER
6TH ELECTION DISTRICT, HOWARD COUNTY, MD.
SECTION 1, AREA 1

TITLE: DETAILS AND PROFILES

THE RIEMER GROUP, INC.
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
3100 Health Park Drive, Ellicott City, Maryland 21043 (301) 461-2690

AS-BUILT CERTIFICATE
ARTHUR E. MUEGGEL #0107
1-13-92
DATE

APPROVED
PLANNING BOARD OF HOWARD COUNTY
DATE 10-30-85
John P. Jones

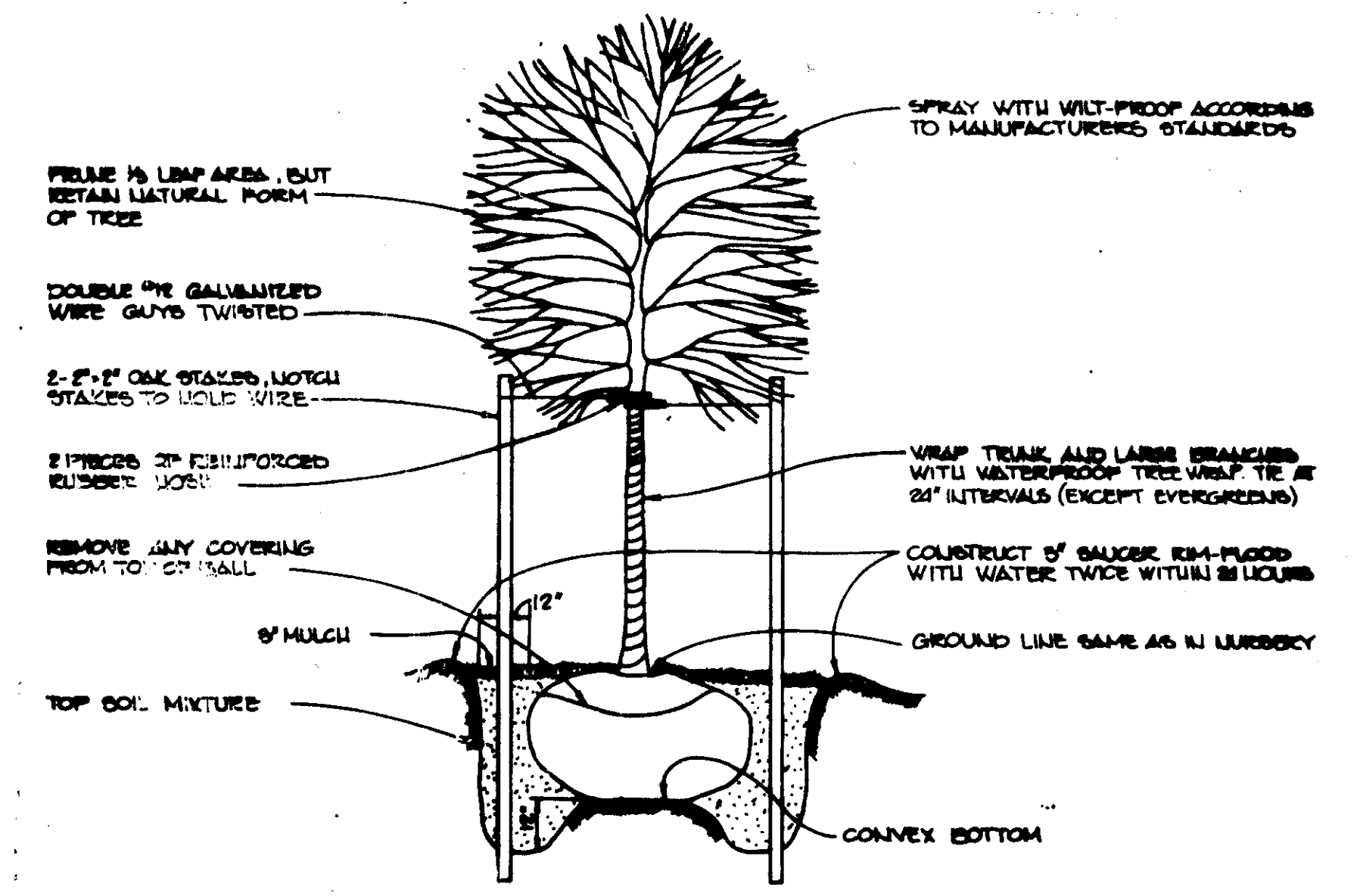
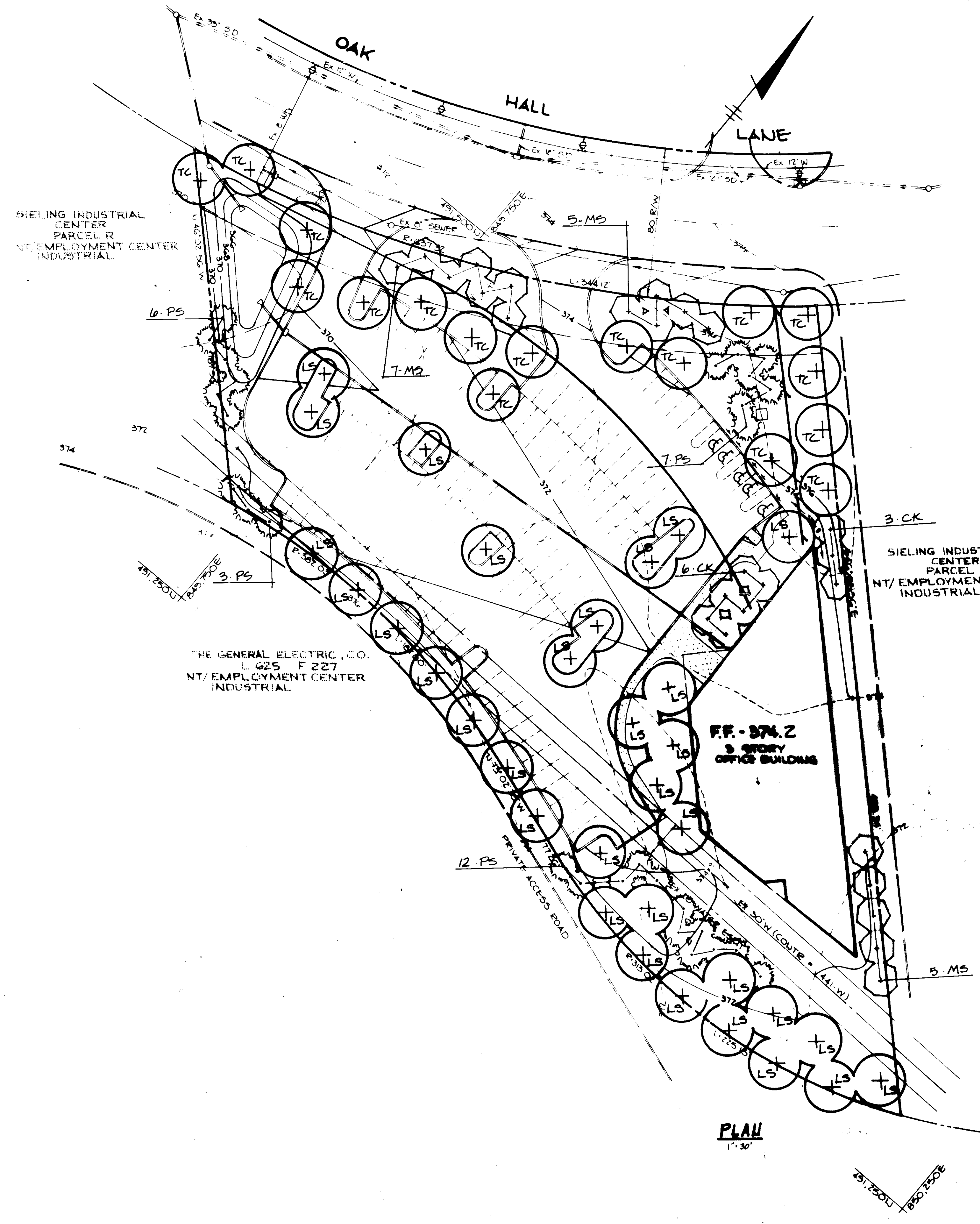
DESIGNED BY: J.K.B.
DRAWN BY: J.C.J.
PROJECT NO: 22500
DATE: 9-9-85
SCALE: AS SHOWN
DRAWING NO. 2 OF 4

PLANT LIST

SYM.	QUAN.	NAME	SIZE	REMARKS
SHADE TREES				
LS	33	LIQUIDAMBER STYRACIFLUA - Sweet Gum	2 1/2"-3" CAL. 12'-14" HT.	B&B, Full Head
TC	17	TILIA CORDATA - Little Leaf Linden	2 1/2"-3" CAL. 12'-14" HT.	B&B, Full Head
EVERGREEN TREES				
PS	28	PINUS STROBUS - Eastern White Pine	2"-2 1/2" CAL. 6'-8' HT.	B&B, Unsheared
FLOWERING TREES				
CK	9	CORNUS KOUSA - Kousa Dogwood	2"-2 1/2" CAL. 8'-10" HT.	B&B, Full Head
MS	17	MALUS SNOWCLOUD - Snowcloud Crabapple	2"-2 1/2" CAL. 8'-10" HT.	B&B, Full Head

TREE QUANTITY CALCULATION

2,256 AC. x 34 TREES (OFFICE USE - UNWOODED) = 77 TREES REQUIRED
 TREES PROVIDED: 50 SHADE TREES
 54 EVERGREEN & FLOWERING TREES
 (SUBSTITUTE FOR 27 SHADE TREES)
 77 TREES PROVIDED



TREE PLANTING DETAIL
 NO SCALE

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

[Signature] 12-3-85
 HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

[Signature] 12-4-85
 PLANNING DIRECTOR DATE

[Signature] 12-8-85
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 11-24-85
 DIRECTOR DATE

[Signature] 11-27-85
 CHIEF, BUREAU OF ENGINEERING

DATE NO REVISION

OWNER HOWARD RESEARCH AND DEVELOPMENT CO
 10775 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044
 DEVELOPER TAPO LIMITED PARTNERSHIP
 5900 STERRETT PLACE
 SUITE 100
 COLUMBIA, MARYLAND 21044

PROJECT **PARCEL Q**

AREA SIELING INDUSTRIAL CENTER
 6TH ELECTION DISTRICT, HOWARD COUNTY, MD
 SECTION 1 AREA 1

TITLE **PLANTING PLAN**

THE RIEMER GROUP, INC.
 The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
 3106 Health Park Drive, Ellicott City, Maryland 21043 (301) 481-2800

DATE 11-8-85	DESIGNED BY M.E.M.
	DRAWN BY M.E.P.
	PROJECT NO 22900
	DATE 9-6-85
	SCALE AS SHOWN
	DRAWING NO 4 OF 4

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 10-30-85
[Signature]