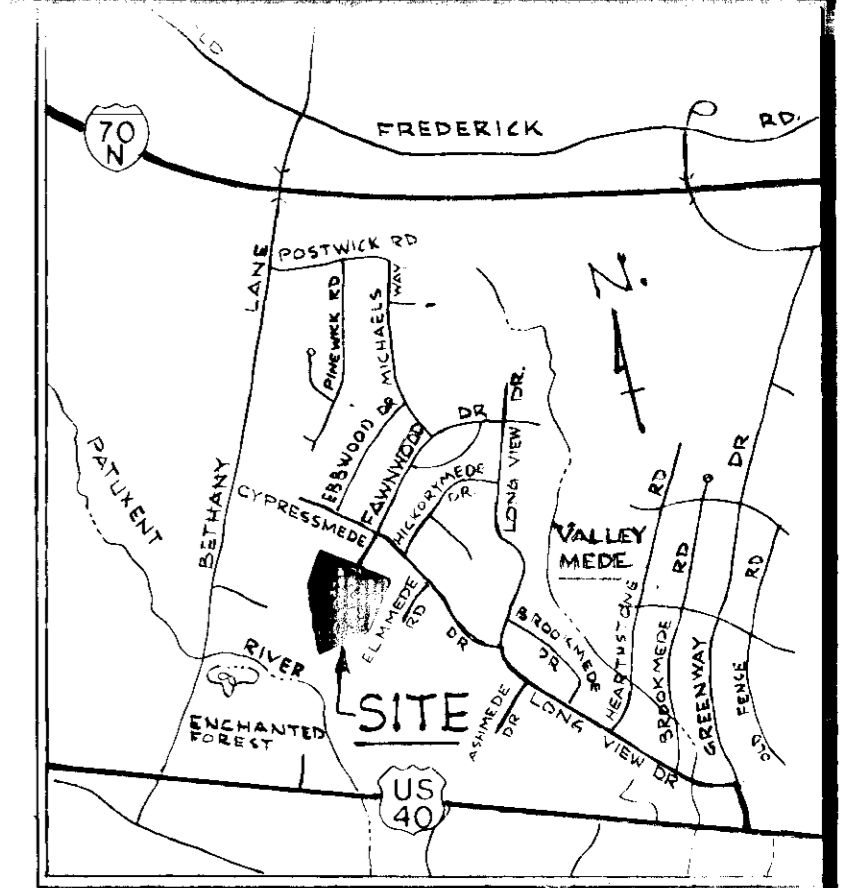


BRINKLEIGH PARK

CAPITAL PROJECT NO. N-5-3056

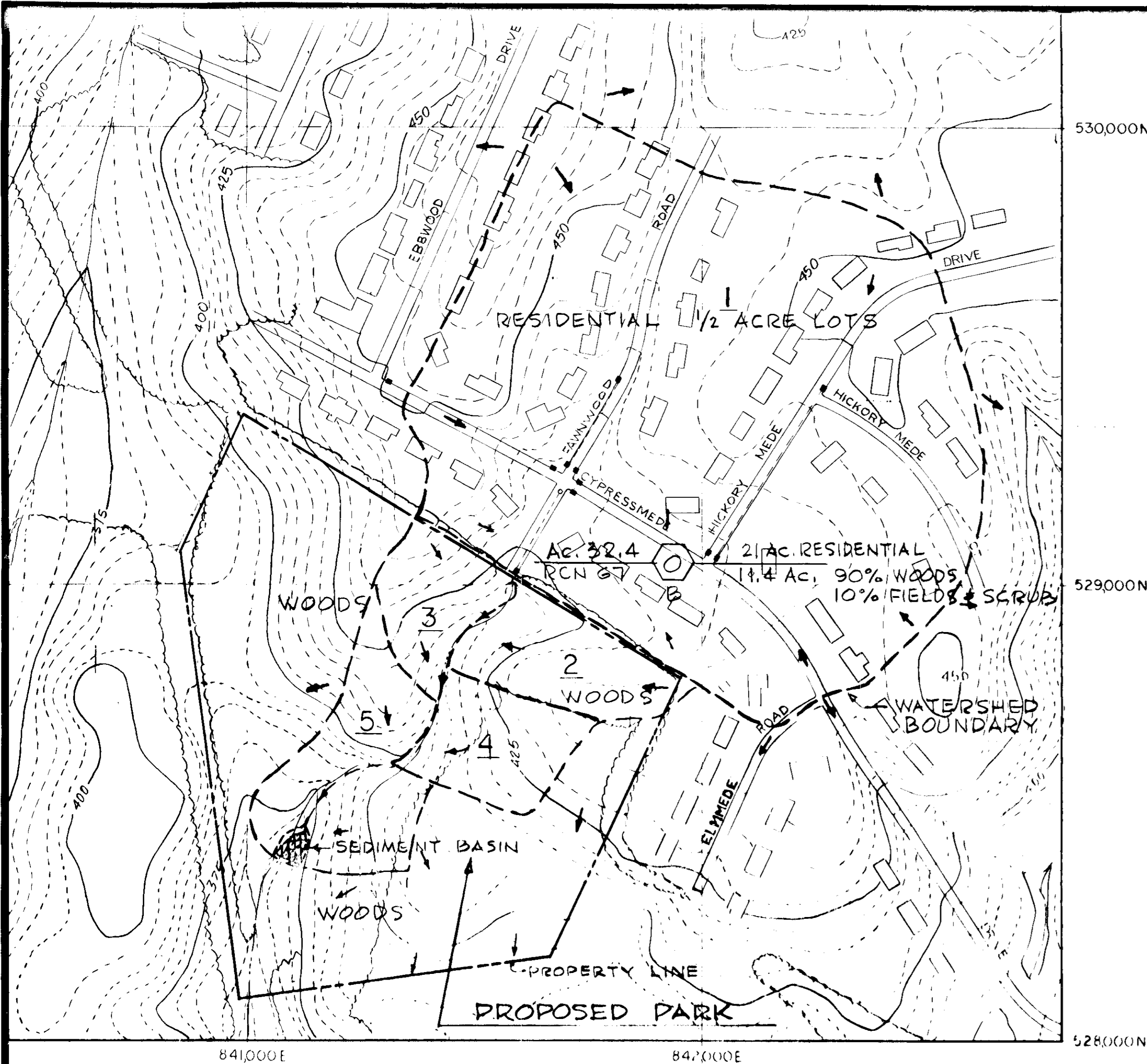
DEPT. OF PARKS AND RECREATION
HOWARD COUNTY, MARYLAND



LOCATION MAP
SCALE: 1" = 2000'

SITE ANALYSIS

ZONING	R-20
TOTAL AREA OF SITE	20 ACRES
TOTAL AREA TO BE DISTURBED	6.94 ACRES
TOTAL AREA TO BE REVEGETATED	5.92 ACRES
TOTAL AREA TO BE PAVED	1.02 ACRES



DRAINAGE AREA MAP
SCALE: 1" = 200'

ENGINEER'S CERTIFICATION

I CERTIFY THAT THE 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.

Frank D. French
SIGNATURE OF ENGINEER

MAY 1, 79.
DATE

DEVELOPER'S CERTIFICATION

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

William V. Rowe
SIGNATURE OF DEVELOPER

9-5-79
DATE

REVIEWED FOR HOWARD NAME SCD AND MEETS TECHNICAL REQUIREMENTS

James M. Hahn
SIGNATURE

10/24/79
DATE

U.S. SOIL CONSERVATION SERVICE

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED *William V. Rowe* 10-24-79
HOWARD SCD DATE

LIST OF DRAWINGS

- 1 - TITLE SHEET / DRAINAGE AREA MAP
- 2 - EXISTING CONDITIONS/DEMOLITION PLAN
- 3 - CONSTRUCTION LAYOUT PLAN
- 4 - GRADING PLAN
- 5 - SOIL EROSION AND SEDIMENTATION CONTROL
- 6 - SOIL EROSION AND SEDIMENTATION CONTROL DETAILS
- 7 - PLANTING PLAN
- 8 - CONSTRUCTION DETAILS
- 9 - CONSTRUCTION DETAILS
- 10 - CONSTRUCTION DETAILS
- 11 - CONSTRUCTION DETAILS
- 12 - SOIL EROSION AND SEDIMENTATION CONTROL DETAILS

APPROVED FOR PUBLIC WATER SYSTEMS/PUBLIC SEWER HOWARD COUNTY HEALTH DEPARTMENT	<i>William Boyd</i> COUNTY HEALTH OFFICER	10-31-79 DATE
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING	<i>Robert L. Vanecko</i> PLANNING DIRECTOR	11-1-79 DATE
	<i>John W. Haddock</i> CHIEF, DIVISION OF LAND DEVELOPMENT	11-1-79 DATE
APPROVED FOR PUBLIC WATER/STORM DRAINAGE SYSTEMS AND ROADS/PUBLIC SEWER HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>Clayton F. Nunn</i> DIRECTOR	10-30-79 DATE
	<i>John W. Haddock</i> CHIEF, BUREAU OF ENGINEERING	10-24-79 DATE

Howard County - Dept. of Rec. & Parks
3430 Court House Dr., Ellicott City, Md.

Turpin, Wachter Assoc., Inc. - Project Eng.
8 E. Pennsylvania Ave., Towson, Md.

Frank D. French

Election District No. 2, Howard Co., Md.
Liber 840, Folio 356; Tax Map No. 17

LD LAND DESIGN / RESEARCH, INC.
ONE MALL NORTH SUITE 400
COLUMBIA, MARYLAND

DRAINAGE AREA MAP
BRINKLEIGH PARK
HOWARD COUNTY MARYLAND

DATE	5-1-79	REVISIONS:	1
SCALE	N=4"=100'		
DRAWN	PF		
CHECKED	PF		

10-10-79

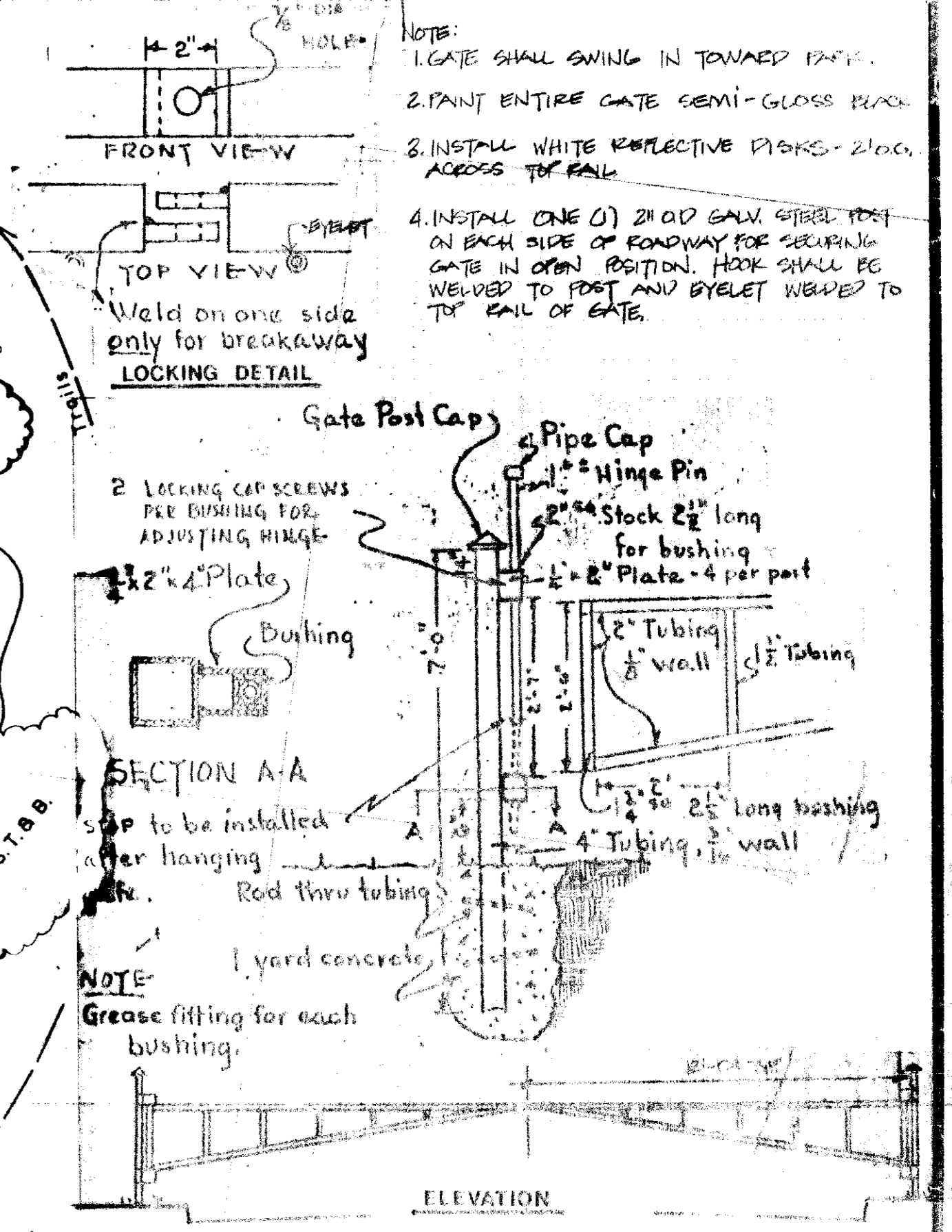
LEGEND

- EXT'G. SAN SEWER
- EXT'G. SAN MANHOLE
- EXT'G. WATER COURSE
- PROPERTY LINE
- EXT'G. TREE TO REMAIN
- EXT'G. TREE TO BE REMOVED
- EXT'G. TREE MASS TO REMAIN
- EXT'G. TREE MASS TO BE REMOVED

APPROVED: For public Water, Public Sewerage and Storm Drainage Systems and Roads
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: *Walter E. Newman* 10-30-79
 Chief, Bureau of Engineering

APPROVED: For public Water and Public Sewerage Systems
 HOWARD COUNTY HEALTH DEPARTMENT
 County Health Officer: *Joseph B. Glue* 10-31-79

APPROVED: Howard County Office of Planning and Zoning
 Planning Director: *Thomas A. ...* 11-1-79
 Chief, Division of Land Development: *Shelley ...* 11-7-79



A CENTRAL GATE

Howard County - Dept. of Gen. & Public Works
 3430 Court House Dr., Ellicott City, Md.
 Purch. Order: Joseph B. Glue, Inc. 10000 York Rd.
 P.O. Box 10000, Towson, Md.

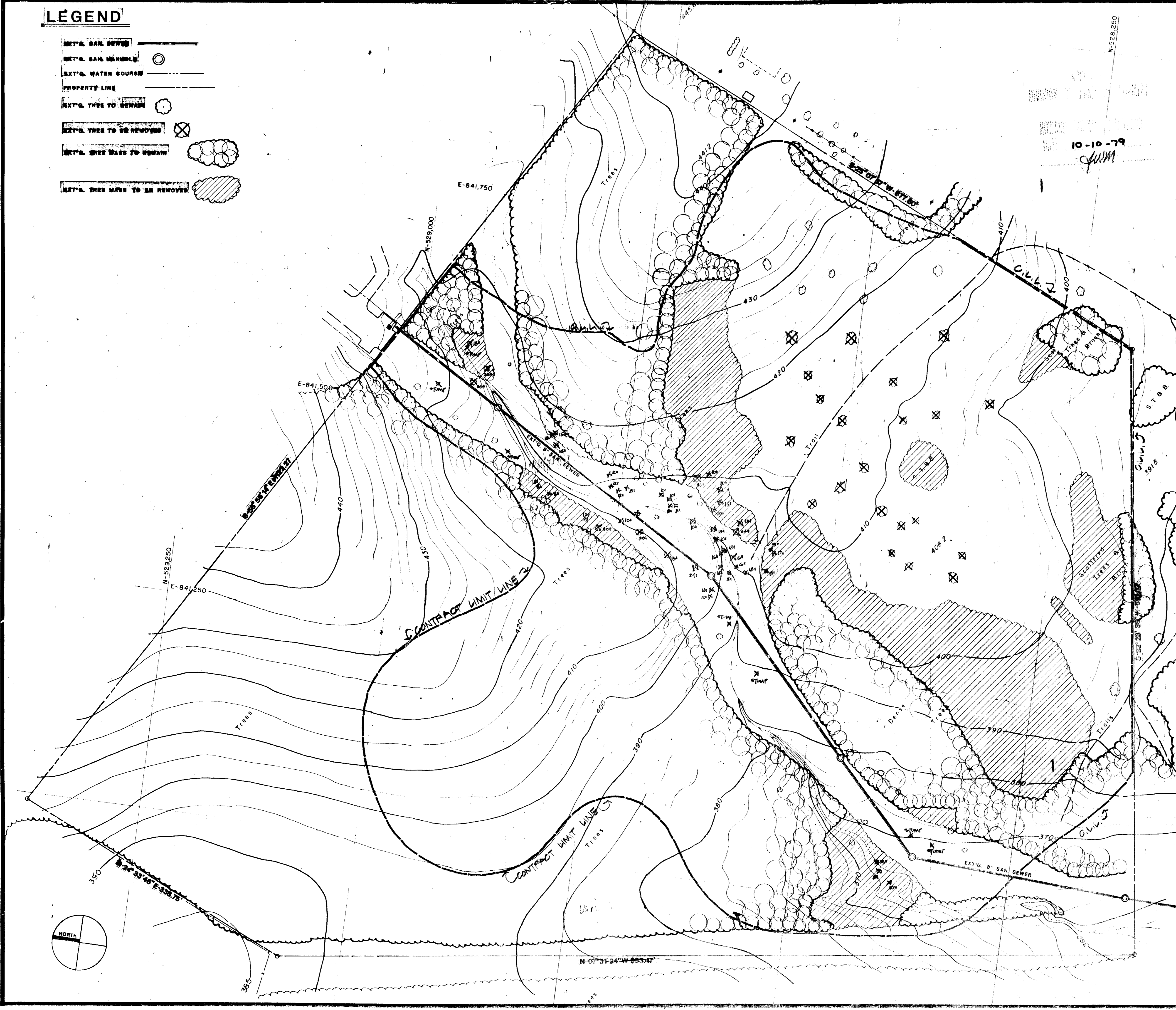
Election District No. 2, Howard Co., Md.
 Liber 840, Folio 3501 Tax Map No. 17

LAND DESIGN / RESEARCH, INC.
 ONE MALL NORTH SUITE 400
 COLUMBIA, MARYLAND

EXT'G. CONDITIONS / DEMO. PLAN
BRINKLEIGH PARK
 HOWARD COUNTY MARYLAND

DATE: 10-1-79
 SCALE: 1" = 60'-0"
 DRAWN: NHC
 CHECKED: NHC

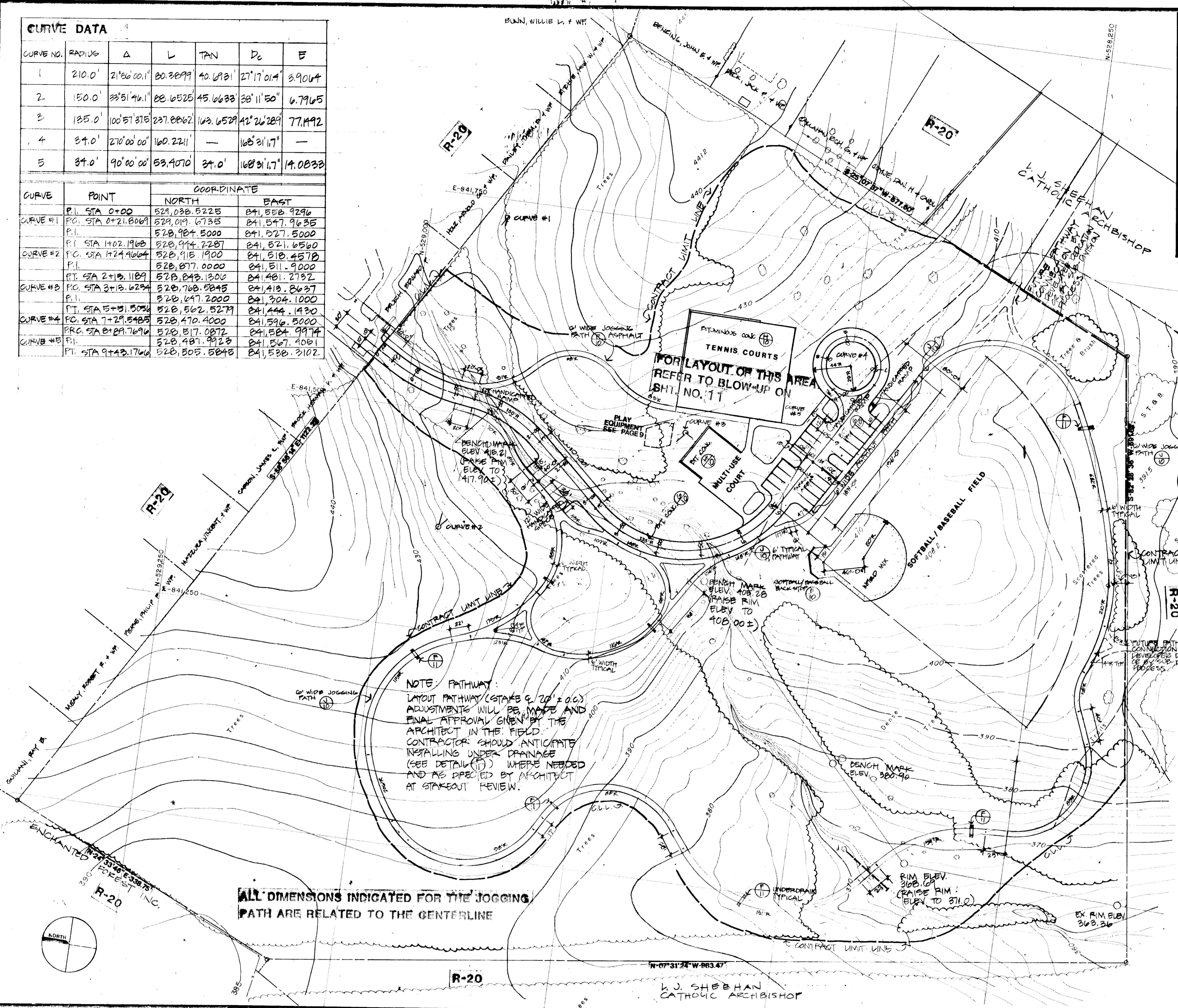
REVISIONS:
 2



CURVE DATA

CURVE NO.	RADIUS	Δ	L	TAN	D _c	E
1	210.0'	21°56'00.1"	80.3899	40.6931	27'17.014'	3.9064
2	150.0'	33°51'46.1"	88.6525	45.6633	38'11.50"	6.7965
3	135.0'	100°51'37.5"	237.8862	103.6529	42°26'28.9"	77.492
4	34.0'	270°00'00"	160.2211	—	168°31'17"	—
5	34.0'	90°00'00"	53.4070	34.0'	168°31'17"	14.0833

CURVE	POINT	COORDINATE	
		NORTH	EAST
CURVE #1	P.I. STA 0+00	529,038.5225	841,558.9296
	P.C. STA 0+21.8069	529,019.6735	841,547.9635
CURVE #2	P.I. STA 1+02.1968	528,984.5000	841,527.5000
	P.C. STA 1+24.4064	528,915.1900	841,518.4578
CURVE #3	P.I. STA 2+13.1189	528,843.1300	841,481.2732
	P.C. STA 2+13.6294	528,768.5845	841,418.8637
CURVE #4	P.I. STA 5+31.5054	528,562.5279	841,444.1430
	P.C. STA 7+29.5485	528,470.4000	841,396.5000
CURVE #5	P.I. STA 8+29.7696	528,487.9923	841,584.9974
	P.C. STA 9+43.1766	528,505.5845	841,538.3102



APPROVED: For public Water and Public Sewerage and Storm Drainage Systems and Roads
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR _____ DATE _____
 CHIEF, BUREAU OF ENGINEERING _____ DATE _____

APPROVED: For public Water and Public Sewerage Systems
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER _____ DATE 10-31-79

APPROVED: Howard County Office of Planning and Zoning
 PLANNING DIRECTOR _____ DATE 11/1/79
 CHIEF, DIVISION OF LAND DEVELOPMENT _____ DATE 11/1/79

- 10-10-79
- NOTES:
- BENCH MARKS LOCATED ON THIS SHEET. CONTRACTOR TO VERIFY ELEVATION PRIOR TO BEGINNING CONSTRUCTION.
 - THE CONTRACTOR SHALL STAKE THE JOGGING PATH FOR THE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.
 - TREE MASSES SHOWN ARE APPROXIMATE. THE EXISTING TREE CANOPY MAY VARY. THE CONTRACTOR SHALL ENDEAVOR TO SAVE AS MANY TREES AS POSSIBLE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL LINES AND GRADES IN THE FIELD.
 - SEE PLANTING PLAN FOR FURNITURE LOCATIONS.
 - ARCHITECT SHALL RETAIN THE RIGHT TO MAKE MINOR LAYOUT CHANGES IN THE FIELD TO RESPOND TO NATURAL FEATURES OR DESIGN ALTERNATIVES AT NO ADDITIONAL COST TO CONTRACTOR.

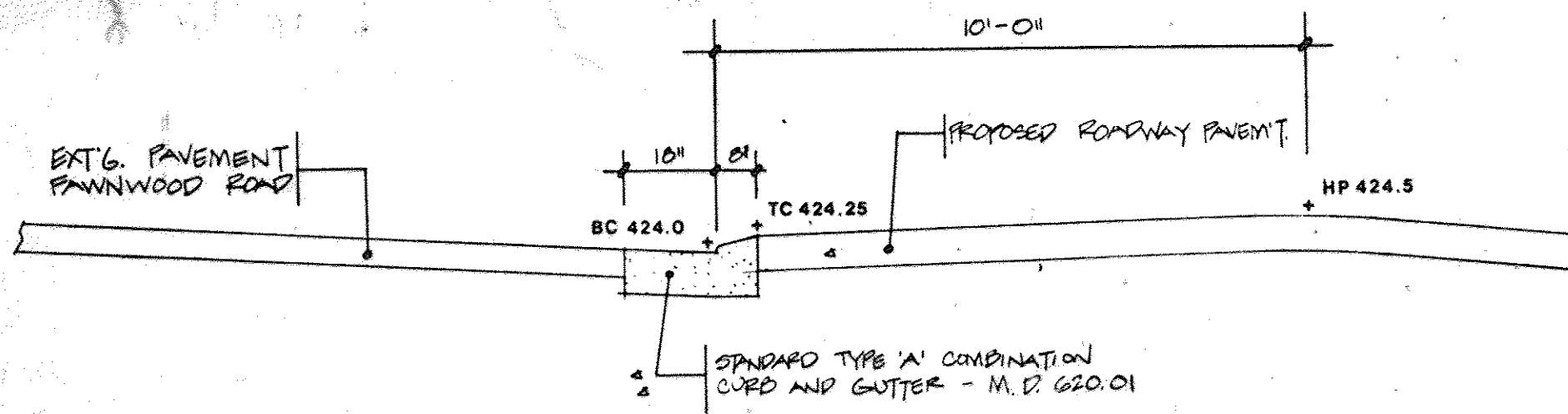
STATE OF MARYLAND
 ELECTION DISTRICT NO. 2, HOWARD COUNTY, MD.
 LIBER 840, FOLIO 356; TAX MAP NO. 37

LD LAND DESIGN / RESEARCH, INC.
 ONE MALL NORTH SUITE 400
 COLUMBIA, MARYLAND

**CONST. LAYOUT PLAN
 BRINKLEIGH PARK
 HOWARD COUNTY MARYLAND**

DATE	5-1-79	REVISIONS:	3
SCALE	1" = 50'-0"		
DRAWN	NHC		
CHECKED			

SDP-79-159



A PAVEM'T. SECTION AT PARK ENTRANCE
N.T.G.

APPROVED: For public Water, Public Sewerage and Storm Drainage Systems and Roads
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: *Walter J. ...* DATE: 10-30-79
 Chief, Bureau of Engineering: *...* DATE: 10/29/79

APPROVED: For public Water and Public Sewerage Systems
 HOWARD COUNTY HEALTH DEPARTMENT
 County Health Officer: *Joseph W. ...* DATE: 10-31-79

APPROVED: Howard County Office of Planning and Zoning
 Planning Director: *Thomas ...* DATE: 11-1-79
 Chief, Division of Land Development: *...* DATE: 11-1-79



FOR REVISION NO. 1 ONLY
3/12/14

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE: 10-10-79
 JMM

Howard County - Dept. of Rec. & Parks
 3430 Court House Dr., Ellicott City, Md.
 Turpin, Wachter Assoc., Inc. - Project Eng.
 8 E. Pennsylvania Ave., Towson, Md.

Election District No. 2, Howard Co., Md.
 Liber 840, Folio 356; Tax Map No. 17

LD R LAND DESIGN/ RESEARCH, INC.
 ONE MALL NORTH SUITE 400
 COLUMBIA, MARYLAND

GRADING PLAN		4 OF 12
DATE	5-1-79	
SCALE	1" = 20'-0"	
DRAWN	NHG	
CHECKED		
REVISIONS:		
8-21-13		

DRAINAGE STRUCTURE SCHEDULE

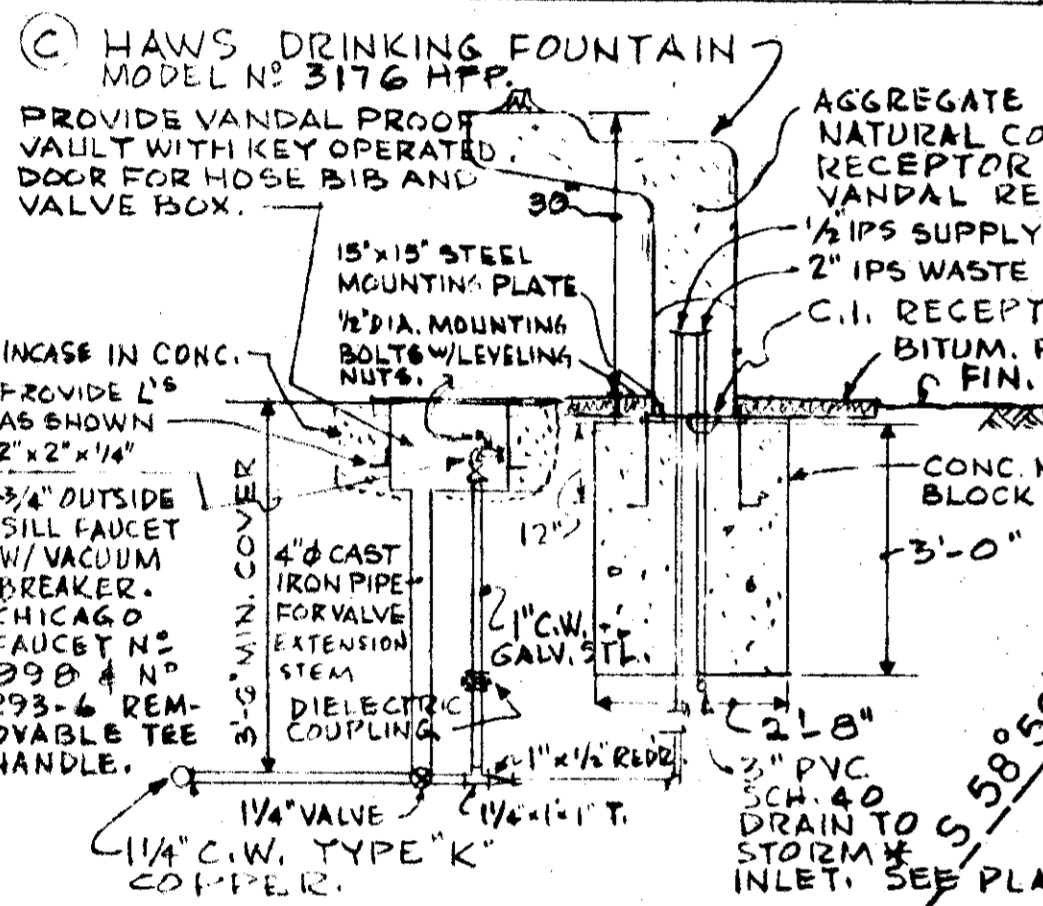
NO.	TYPE	STD. DWG.	INVELEV.	REMARKS
1	TYPE 'C' ENDWALL	H.C. DWG-52 PAGE 107	413.0	RIP-RAPAT WALL 2/3 WAY UP SIDES
2	STD. CONC. END SECTION CONC. PIPE	S.R.C. PLATE STD. 36802	411.0	
3	STD. MANHOLE	H.C. DWG-103 PAGE 158	410.0	15" RCP IN 36" RCP IN 36" RCP OUT
4	STD. CONC. END SECTION CONC. PIPE	S.R.C. PLATE STD. 36802	405.0	
5	TYPE 'S' INLET (SINGLE GRATE)	H.C. DWG-98 PAGE 153	407.0	S.R.C. TYPE 'S' INLET RETICULAR REPLACEMENT GRATE STD. 379.08
7	STD. MANHOLE	H.C. DWG-103 PAGE 158	402.0	15" RCP IN 36" RCP IN 36" RCP OUT
8	MODIFIED HEADWALL	S.R.C. PLATE STD. 35202	390.0	SEE SHEET 6 FOR DETAILS OF HEADWALL

COLD WATER SCHEDULE

NO.	TYPE	STD. DWG.	REMARKS
A	1" WATER METER INSTALLATION	HOWARD COUNTY STD. DETAIL W-25 D FOR 1" METER SETTING	
B	1" BACKFLOW PREVENTER	SET IN HOWARD COUNTY D.P.W. STD. WATER DETAIL W-19, SMALL CONC. VAULT, W/ 18" W/ C.I. MH FRAME & COVER.	WATTS NO. 300 SERIES 3'-6" MIN. COVER.
C	HAWS MODEL 3176 FROST PROOF DRINKING FOUNTAIN.	SEE DETAIL THIS SHEET.	1/2" C.W. SUPPLY 2" VERTICAL 4" HORIZ. WASTE.

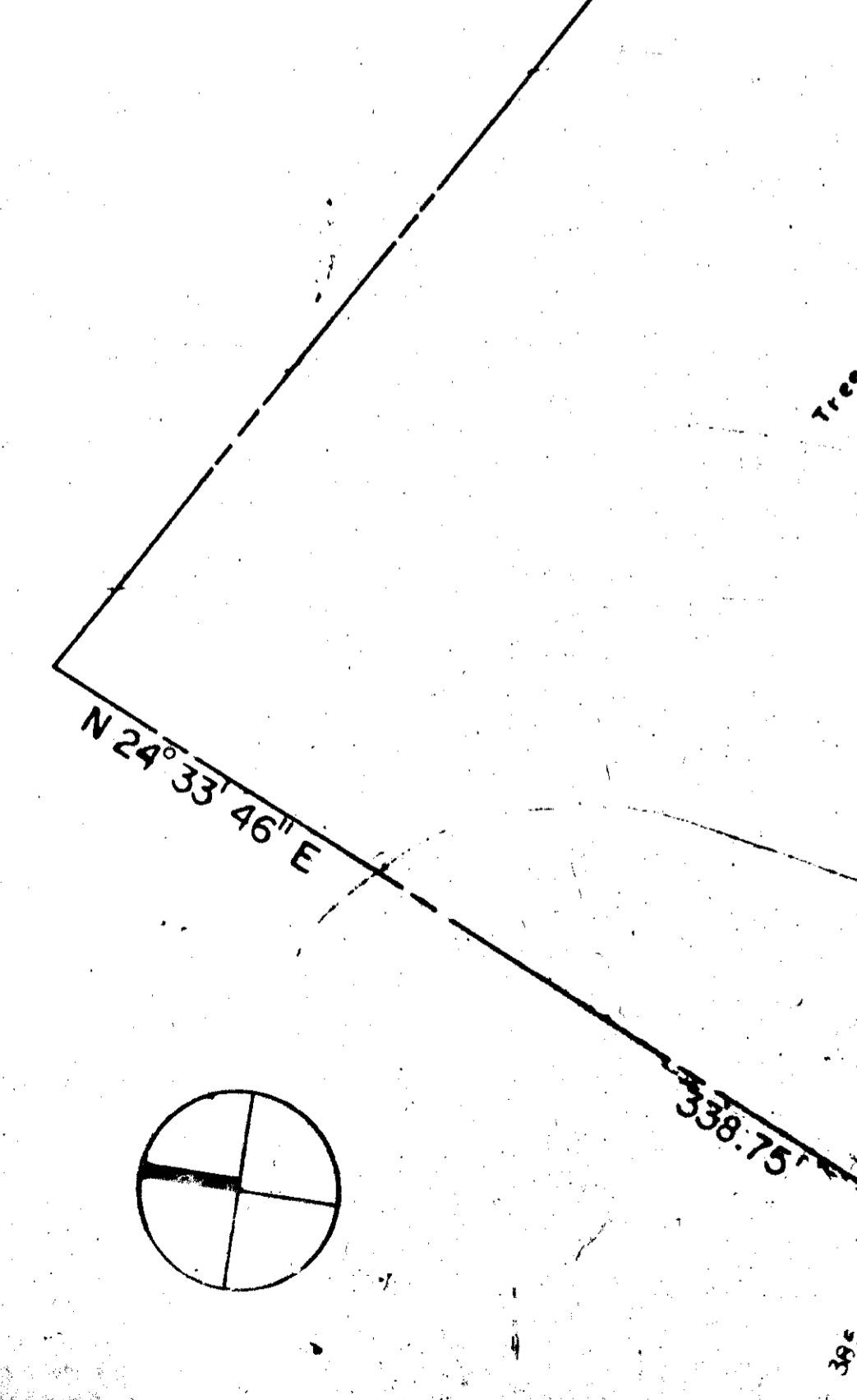
PIPE SCHEDULE

SIZE	TYPE	LENGTH	REMARKS
15"	RCP CL 3	150'	SEE THIS SHEET FOR LAYOUT
36"	RCP T 46 ASTM C-76 CL 4	430'	SEE SHEET 6 FOR PROFILE & DETAILS
36"	BCCMP 14 GAUGE AASHO M-190	60'	SEE SHEET 6 FOR PROFILE SPILLWAY

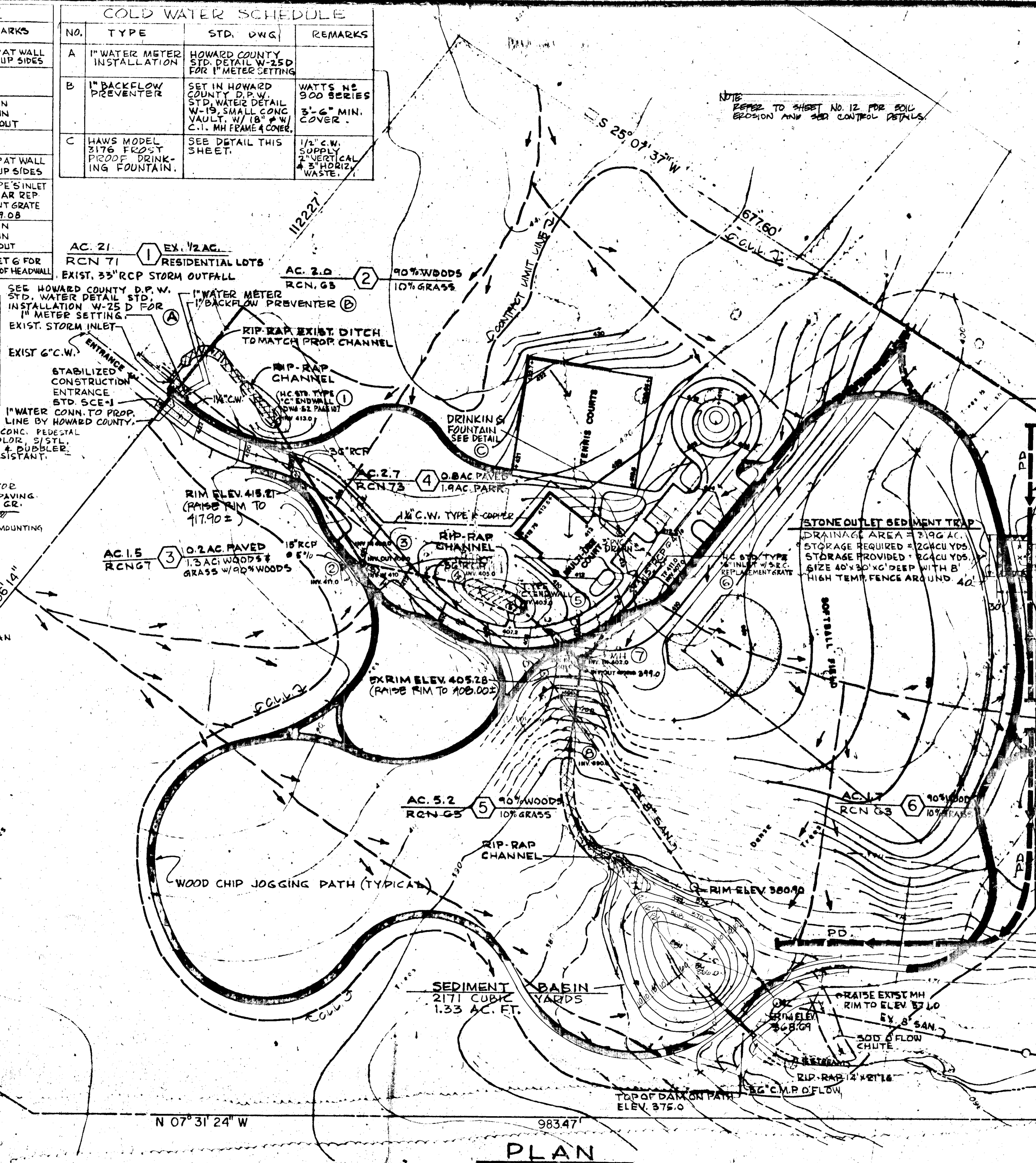


DRINKING FOUNTAIN (1-REQ'D) C NOT TO SCALE

* CONN. FREEZE PROOF VENTED BALL CHECK VALVE DISCHARGE INTO 3" FOUNTAIN DRAIN.



PLAN



ENGINEER'S CERTIFICATION
 I certify that the plan for erosion and sediment control represents a practical and suitable 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 of Engineer: *Frank H. French*
 DATE: 5-1-79

DEVELOPER'S CERTIFICATION
 I certify that all development and/or construction will be done in accordance with the plan of development and plan for erosion and sediment control, and I also authorize the periodic re-inspection by Howard Soil Conservation District of these authorized aspects, as so deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

Signature of Developer: *William M. Mitchell*
 DATE: 9-9-78

REVIEWED FOR: *Howard* S.C.D. AND MEETS TECHNICAL REQUIREMENTS
 Signature: *Janet Miller* DATE: 10/24/79
 U.S. SOIL CONSERVATION SERVICE

ONE DEVELOPMENT PLAN AS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *William J. Rowe* DATE: 10-27-79
 HOWARD S.C.D.

WOOD CHIP JOGGING PATH
 PERMETER DIKE-SEE SC 3 STD. DWG. PD-1 ON DWG. 6A.
 CLEANOUT ELEV. 388.0'
 24' LONG STONE OUTLET STRUCTURE SC 6 STD. DWG. ST-3 SEE DWG. 6A.
 BOTTOM ELEV. 386.7'
 TOP ELEV. 394.0'

APPROVED FOR PUBLIC WATER SYSTEMS/PUBLIC SEWER
 HOWARD COUNTY HEALTH DEPARTMENT
 Signature: *Joseph Boyles* DATE: 10-31-79
 COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Signature: *Thomas A. Harris* DATE: 11-1-79
 PLANNING DIRECTOR

CHIEF, DIVISION OF LAND DEVELOPMENT
 Signature: *William J. Rowe* DATE: 10-27-79

APPROVED FOR PUBLIC WATER/ STORM DRAINAGE SYSTEMS AND ROADS/PUBLIC SEWER
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature: *William J. Rowe* DATE: 10-27-79
 CHIEF, BUREAU OF ENGINEERING

STATE OF MARYLAND
 PROFESSIONAL ENGINEER

Howard County - Dept. of Rec. & Parks
 3430 Court House Dr., Ellicott City, Md.
 Turpin, Wachter, Assoc., Inc., Project Eng.
 8 E. Pennsylvania Ave., Towson, Md.

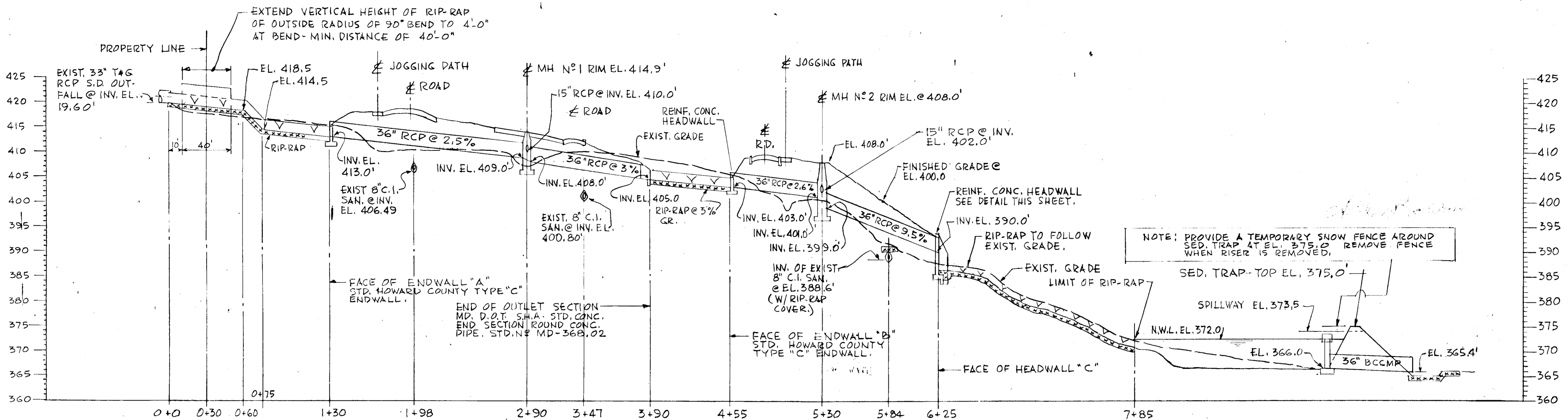
Election District No. 2, Howard Co., Md.
 Liber #10, Folio 356, Plan No. 17

LD LAND DESIGN / RESEARCH, INC.
 ONE MALL NORTH SUITE 400
 COLUMBIA, MARYLAND

SOIL EROSION AND SEDIMENT CONTROL
BRINKLEIGH PARK
 HOWARD COUNTY MARYLAND

DATE	5-1-79
SCALE	1" = 50'-0"
DRAWN	FZ
CHECKED	FF

5 OF 13
 SDP-79-159



STORM WATER PROFILE SCALE: HORIZ. 1" = 40' VERT. 1" = 10'

ENGINEER'S CERTIFICATION
 "I certify that the 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 County Soil Conservation District."

Signature: *Frank H. French* DATE: MAY 1, 79
 SIGNATURE OF ENGINEER, FRANK H. FRENCH

DEVELOPER'S CERTIFICATION
 "I certify that all development and/or construction will be done in accordance with the plan of development and plan for erosion and sediment control, and I also authorize periodic on-site inspection by Howard County Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard County Soil Conservation District."

Signature: *William M. Mitchell* DATE: 5-5-79
 SIGNATURE OF DEVELOPER, WILLIAM M. MITCHELL

REVIEWED FOR: HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

Signature: *James M. Nelson* DATE: 10/27/79
 SIGNATURE U.S. SOIL CONSERVATION SERVICE

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

APPROVED: *William F. Rowe* DATE: 10-24-79
 HOWARD S.C.D.

APPROVED FOR PUBLIC WATER SYSTEMS: *Public Health*
 HOWARD COUNTY HEALTH DEPARTMENT

Signature: *John J. ...* DATE: 10-31-79
 COUNTY HEALTH OFFICER

APPROVED: *Howard County Office of Planning and Zoning*
 HOWARD COUNTY OFFICE OF PLANNING AND ZONING

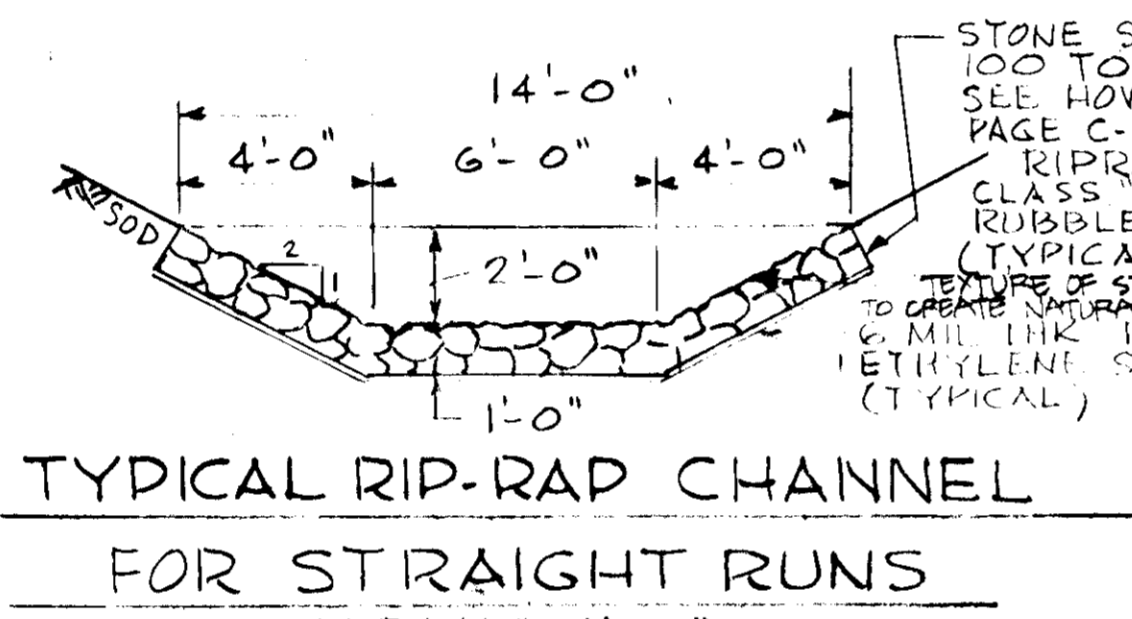
Signature: *...* DATE: ...
 PLANNING DIRECTOR

Signature: *...* DATE: ...
 CHIEF, DIVISION OF LAND DEVELOPMENT

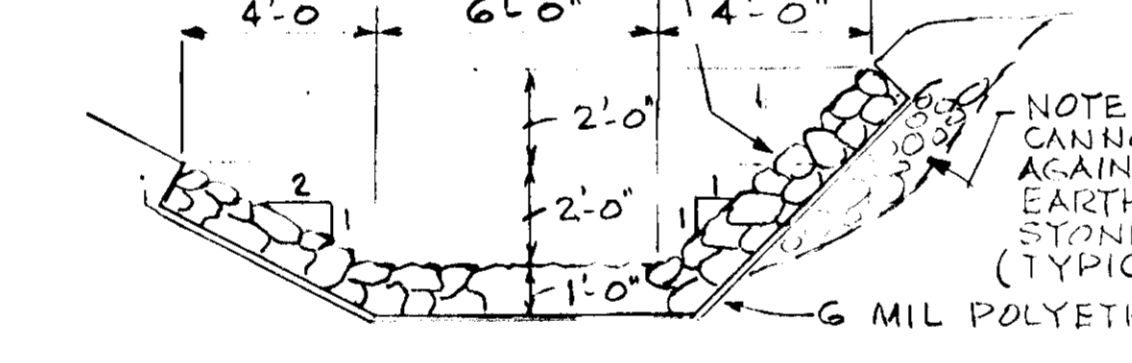
APPROVED FOR PUBLIC WATER STORM DRAINAGE SYSTEMS AND ROADS: *Public Sewer*
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Signature: *...* DATE: ...
 DIRECTOR

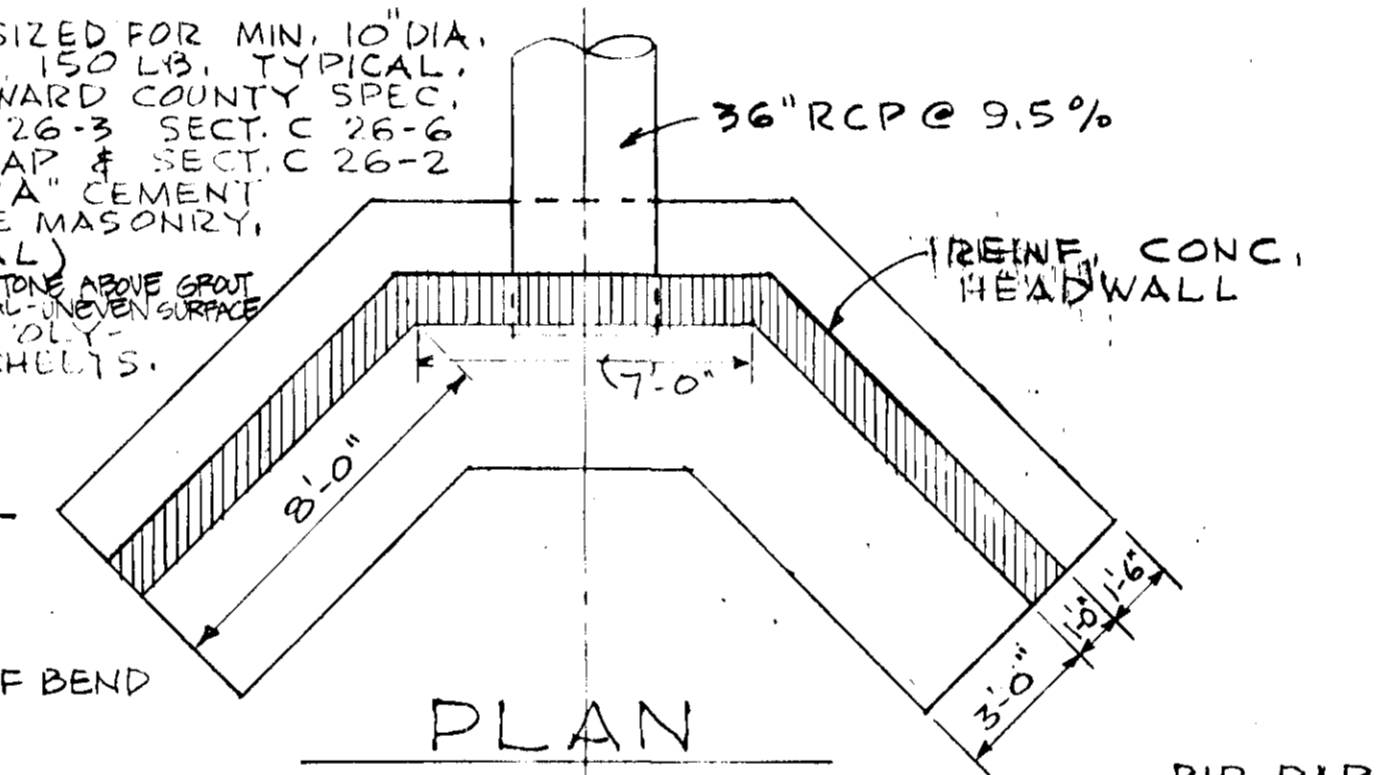
Signature: *...* DATE: ...
 CHIEF, BUREAU OF ENGINEERING



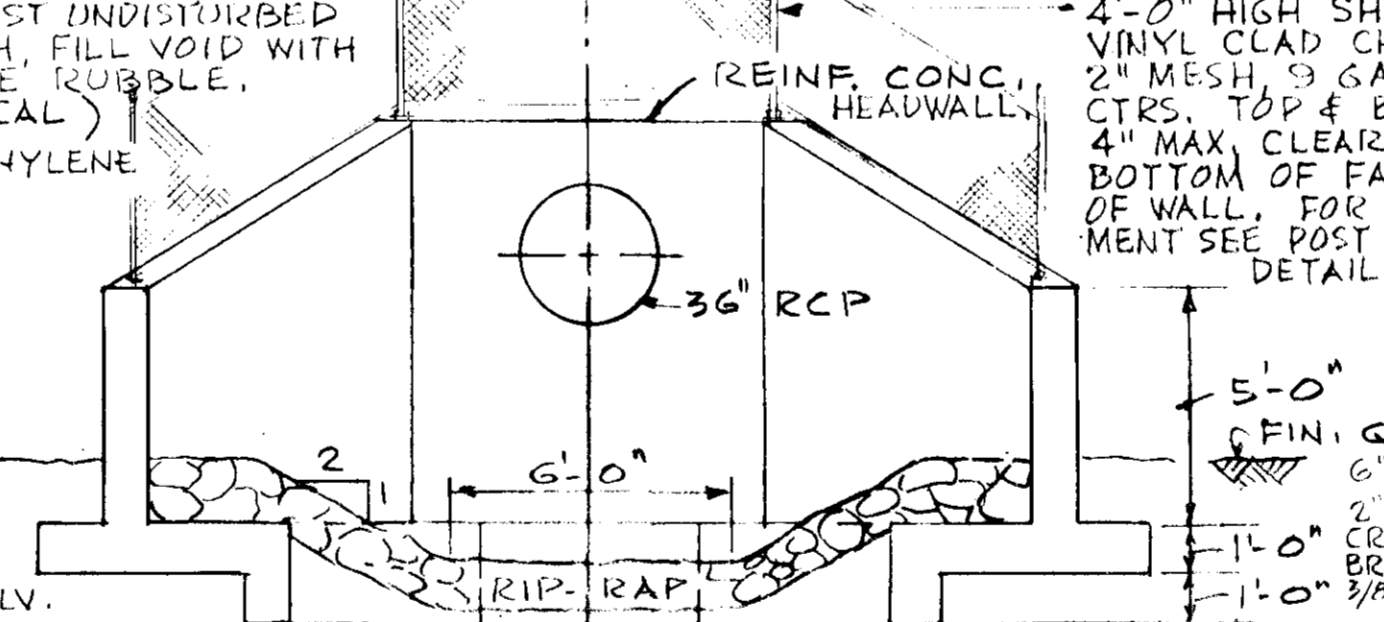
TYPICAL RIP-RAP CHANNEL FOR STRAIGHT RUNS SCALE: 1/4" = 1'-0"



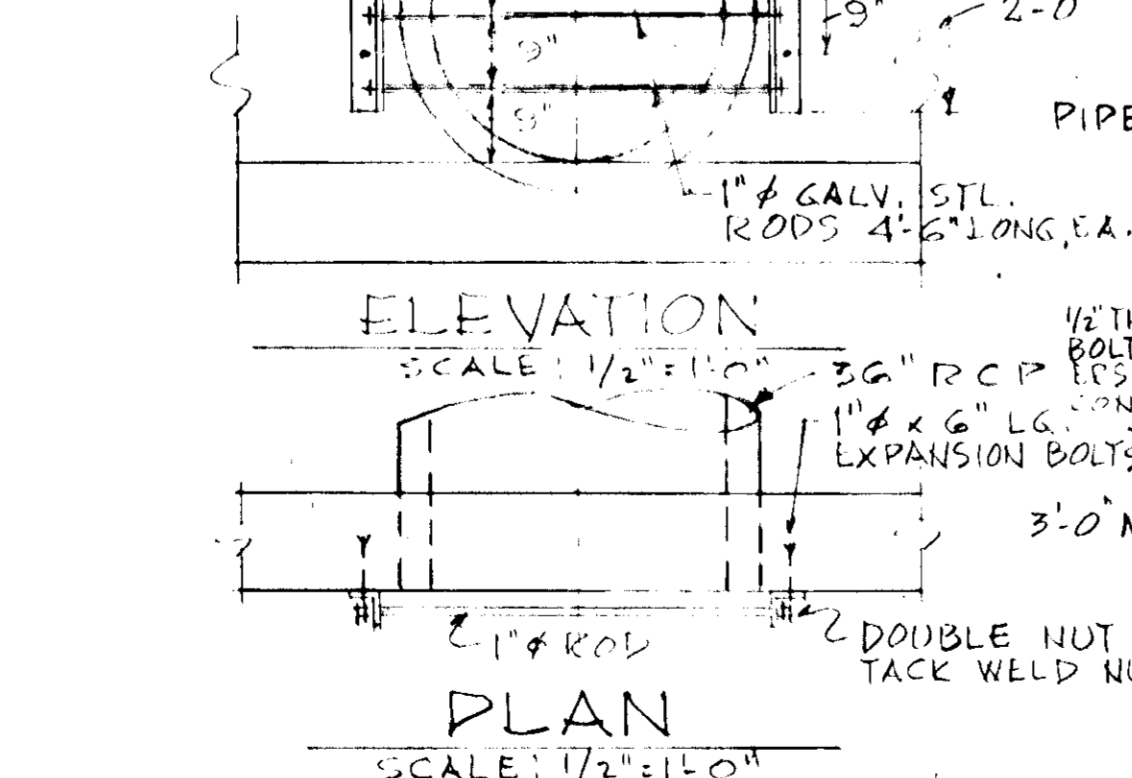
RIP-RAP CHANNEL AT BEND SCALE: 1/4" = 1'-0"



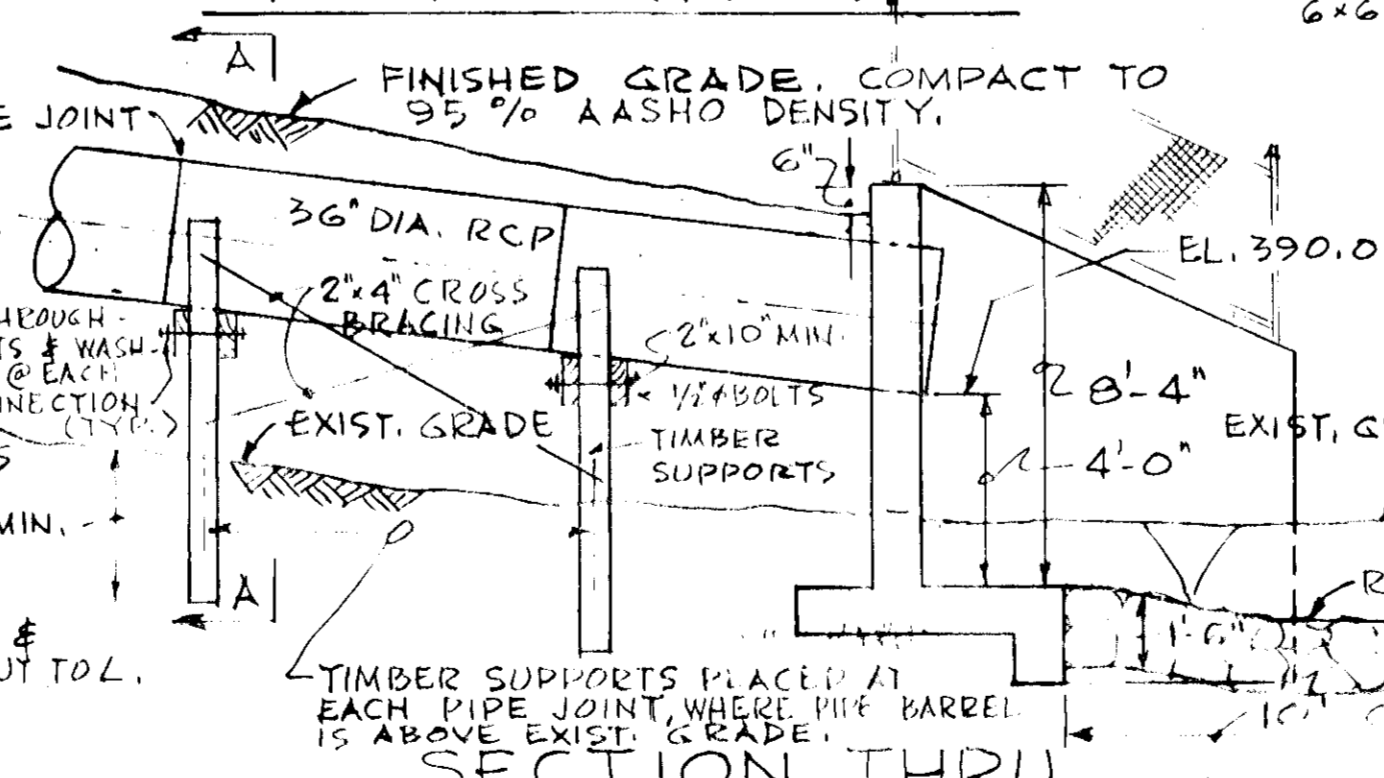
PLAN



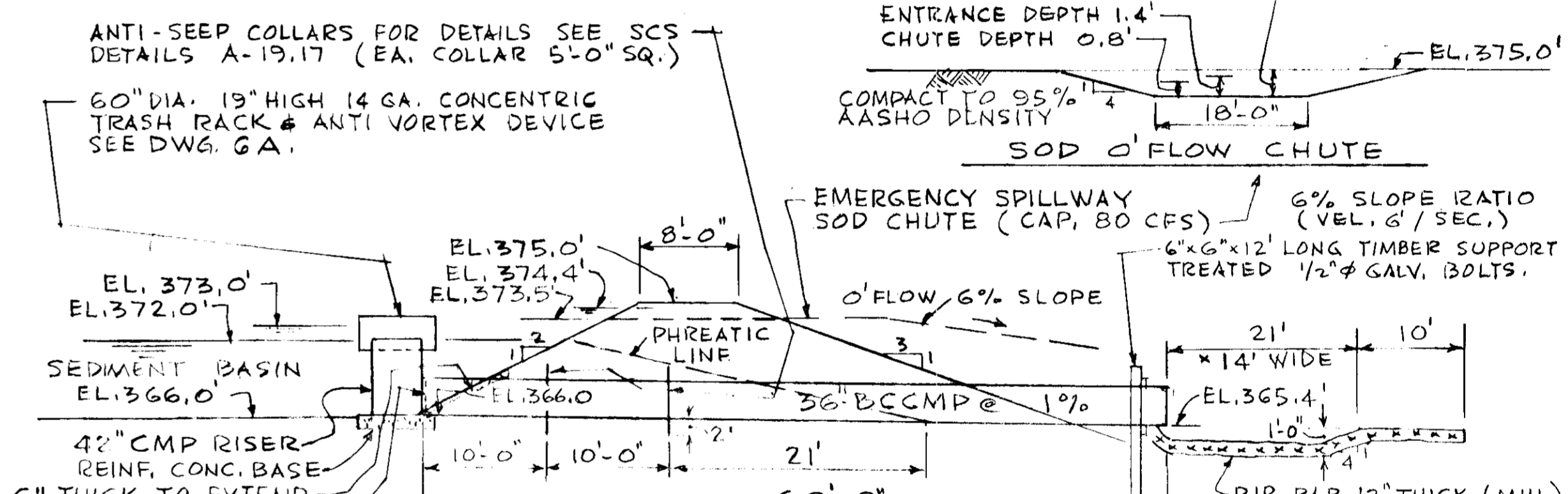
ELEVATION



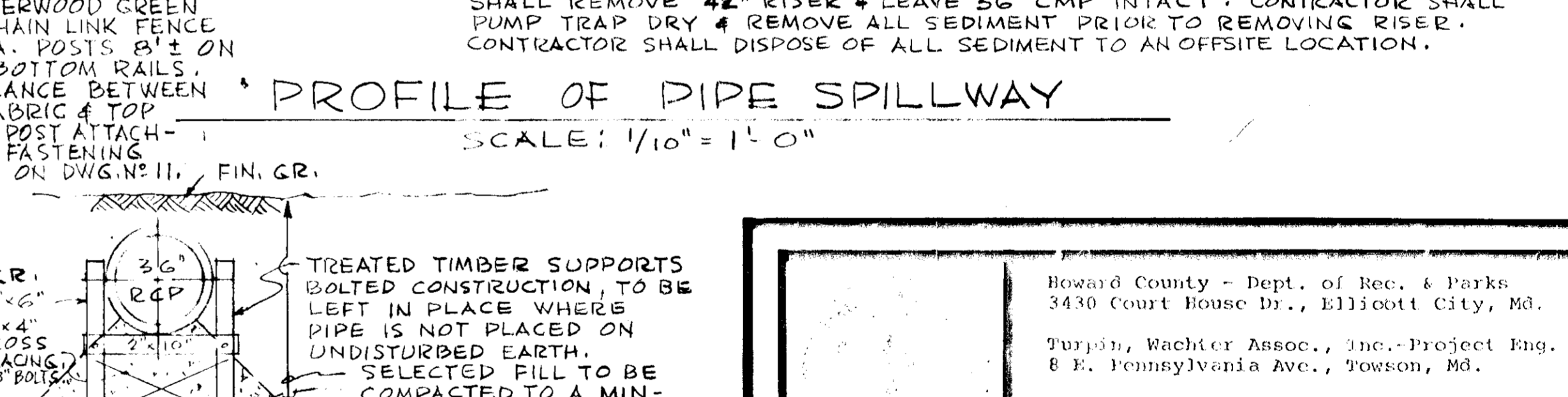
ELEVATION SCALE: 1/2" = 1'-0"



SECTION THRU REINFORCED CONCRETE HEADWALL 'C' SCALE: 1/4" = 1'-0"



PROFILE OF PIPE SPILLWAY SCALE: 1/10" = 1'-0"



SECTION A-A

PROTECTIVE BARS TO BE PLACED AT FACE OF ENDWALLS 'A' & 'B'

NOTE: PROVIDE A TEMPORARY SNOW FENCE AROUND SED. TRAP AT EL. 375.0 REMOVE FENCE WHEN RISER IS REMOVED.

NOTE: UPON COMPLETION OF SEEDING, SODDING, PAVING ETC., CONTRACTOR SHALL REMOVE 42" RISER & LEAVE 36" CMP INTACT. CONTRACTOR SHALL PUMP TRAP DRY & REMOVE ALL SEDIMENT PRIOR TO REMOVING RISER. CONTRACTOR SHALL DISPOSE OF ALL SEDIMENT TO AN OFFSITE LOCATION.

NOTE: FOR STRUCTURAL DETAILS OF REINF. CONC. HEADWALL - SEE STATE OF MD. DEPT. OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION STANDARD NO. MD-352.02 FOR A B-84 HEADWALL. THE B-84 SHALL BE ALTERED AS SHOWN TO RECEIVE A 36" PIPE; ALSO THE WING WALL HAVE BEEN SHORTENED TO 8'-0" AS SHOWN.

Howard County - Dept. of Rec. & Parks
 3430 Court House Dr., Ellicott City, Md.

Turpin, Wachter Assoc., Inc. - Project Eng.
 8 E. Pennsylvania Ave., Towson, Md.

Election District No. 2, Howard Co., Md.
 Liber 840, Folio 356; Tax Map No. 17

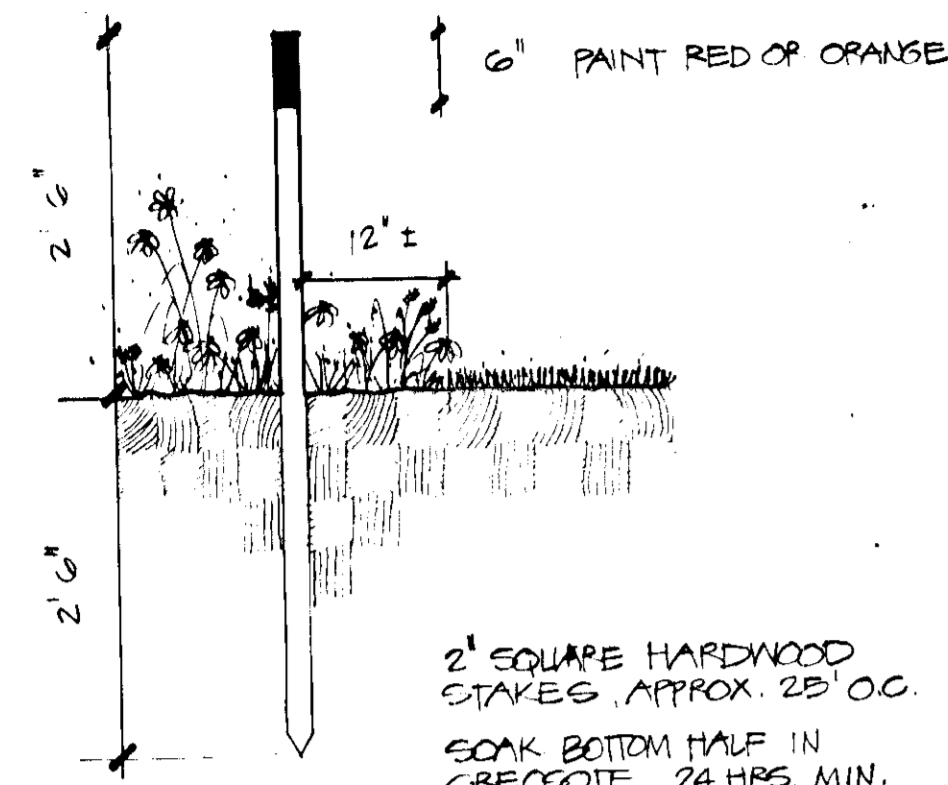
LD LAND DESIGN / RESEARCH, INC.
 ONE MALL NORTH SUITE 400
 COLUMBIA, MARYLAND

SOIL EROSION AND SED. CONTROL
BRINKLEIGH PARK
 HOWARD COUNTY MARYLAND

DATE: 5-1-79 REVISIONS: 6
 SCALE: AS SHOWN
 DRAWN: 17
 CHECKED: F 111

10-10-79

WILDFLOWER BED -
MOWED ONCE A YEAR
IN LATE FALL



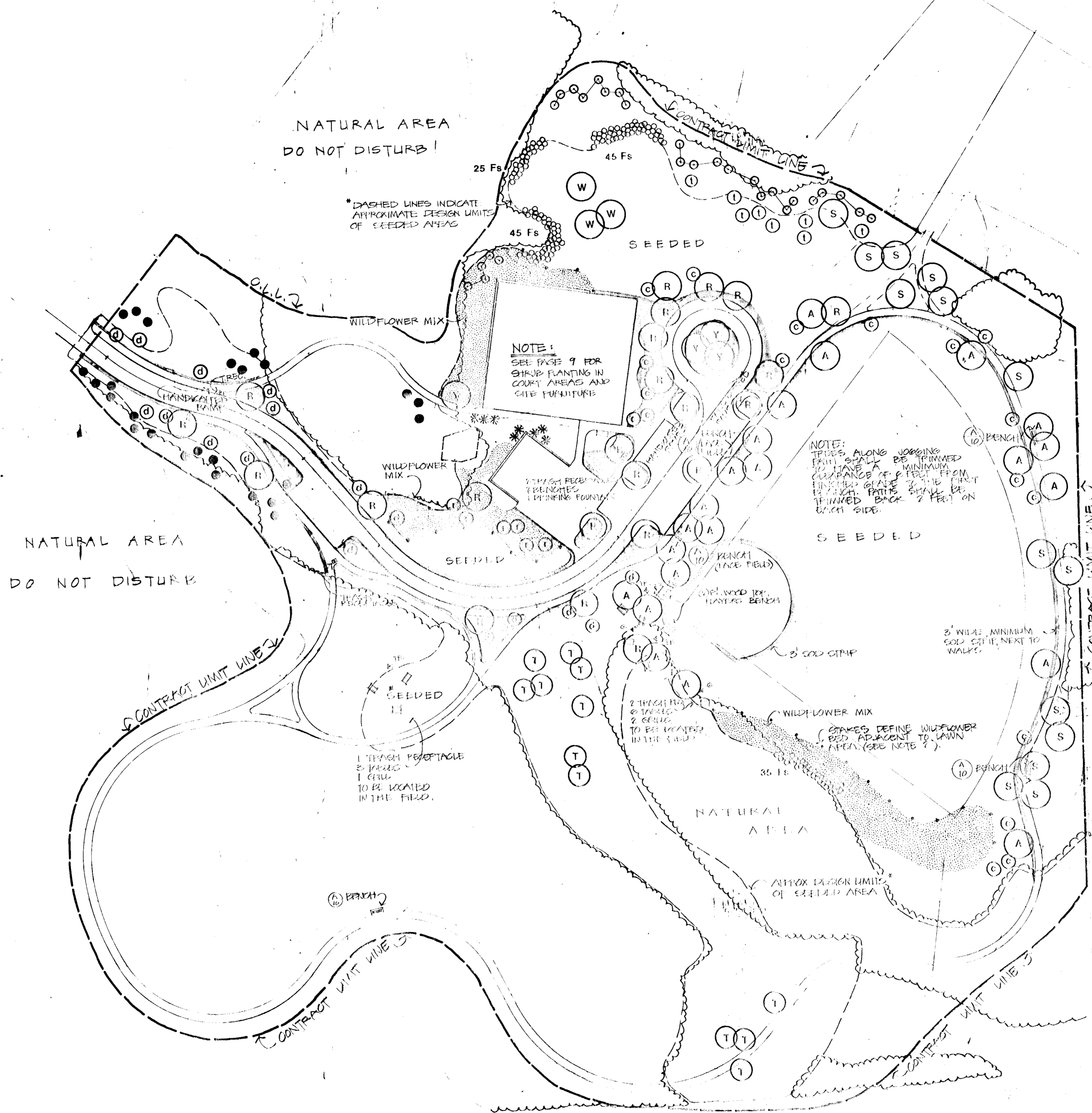
A Wildflower Bed Stakes
3/4" = 1' 0"

Wildflower Mix

Wild Flower seed mix shall consist of the following seed types and shall be supplied by Herbst Brothers Seedsmen, Inc. (914) 279-2971, as Wildflower Mixture 39906 or approved equal.

- | | |
|-------------------|-----------------------------|
| Rudbeckia Hirta | Rudbeckia Sgl. (coneflower) |
| Queen Ann's Lace | Chrysanthemum Alaska |
| Linum Perene Blue | Pyrethrum Gt. Fl. Mixed |
| Lunaria Mixed | Poppy orientals |
| Asclepias Syriaca | Hibiscus Gt. Fl. Mixed |
| Saponaria | Red Top |

Apply Wildflower seed with grass seed at the rate of 2 (two) lbs. wildflower seed per acre. Mulch shall be applied to wildflower beds at the same time as lawn areas. In these places designated on the plan to receive wildflower mix.



APPROVED: For public Water, Public Sewerage and Storm Drainage Systems and Roads
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR _____ DATE _____
 CHIEF, BUREAU OF ENGINEERING _____ DATE _____

APPROVED: For public Water and Public Sewerage Systems
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER _____ DATE 10-31-79

APPROVED: Howard County Office of Planning and Zoning
 PLANNING DIRECTOR _____ DATE _____
 CHIEF, DIVISION OF LAND DEVELOPMENT _____ DATE _____

- 1. WILDFLOWER MIX
- 2. SEEDING AREAS
- 3. 1" TYPICAL PERCEPTACLE, SEE DETAIL K-10
- 4. 2" WOOD TIPPED PLASTIC BENCH, CONTRACTOR TO FORM NAME'S OUT OF SHOP DRAWING.
- 5. 6" LONG WOOD TIPPED PLASTIC BENCH (SAME TIME #100 (CONCRETE) OR EQUAL.
- 6. GRILL # 16-10 BY TYPICAL OR EQUAL
- 7. WILDFLOWER BED STAKES (APPROX. 25' O.C.)

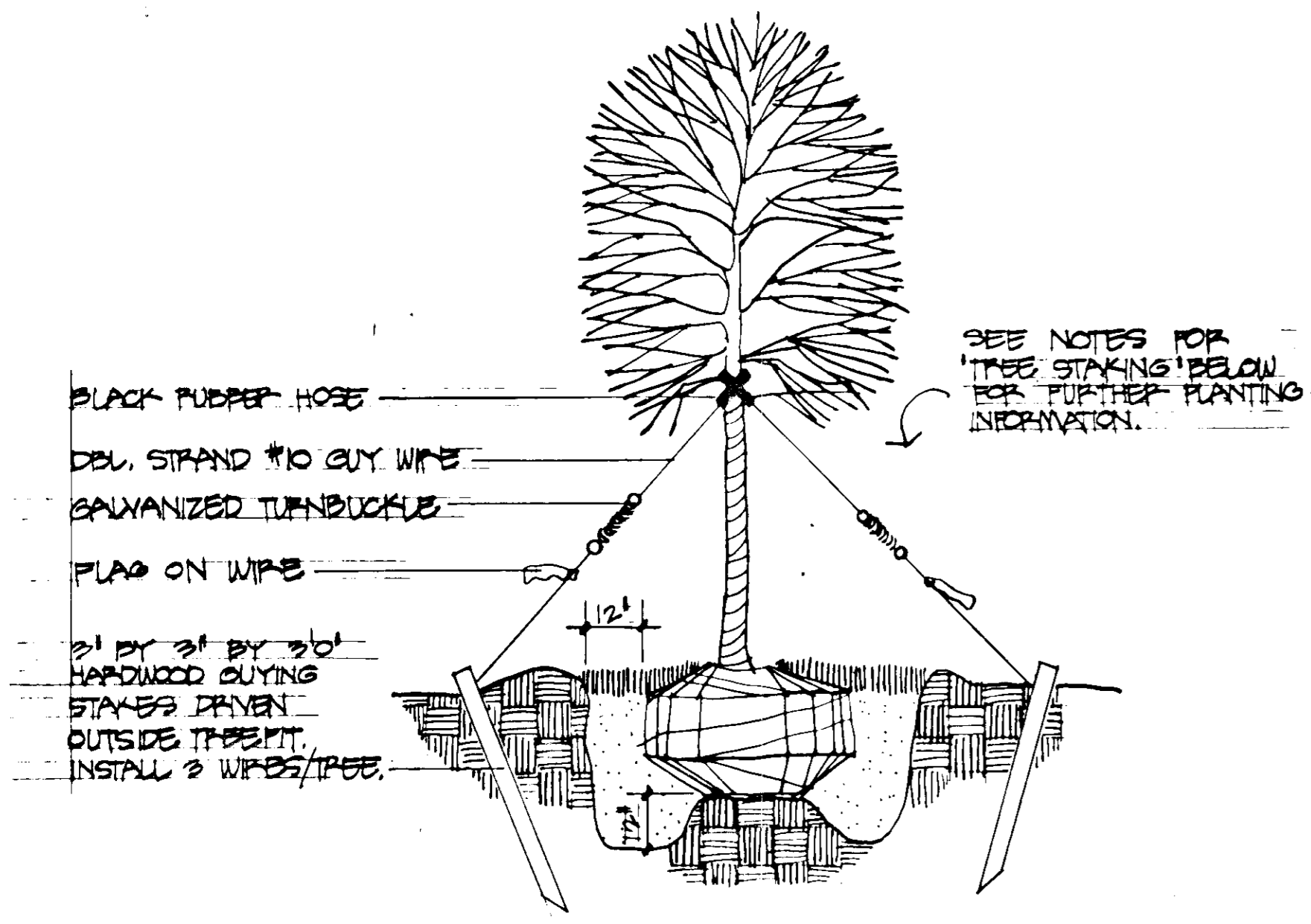
- NOTES**
1. CONTRACTOR SHALL MARK ALL TREE LOCATIONS WITH 2" BY 2" GRAPE (PLASTIC OR BRASS) WITH TREE NAME CLEARLY VISIBLE ON EACH GRAPE. NO PLANTING WILL BEGUN UNTIL ARCHITECT HAS APPROVED THE GRAPE OUT LOCATIONS, AND DAMAGE MAY OCCUR AT THIS TIME.
 2. CONTRACTOR SHALL MAKE PREPARATIONS OF WILDFLOWER AREAS (PRIOR TO SEEDING) ACCORDANT TO LAWN AREAS TO BE MOWED WITH PERMANENT 2" WILDFLOWER STAKES (SEE DETAIL) APPROX. 25' O.C.
 3. CONTRACTOR SHALL MINIMUMALLY SPREAD WILDFLOWER MIX IN DESIGNATED AREAS. PRIOR TO FIELD SEEDING OPERATIONS.
 4. ALL AREAS DISTURBED DURING CONSTRUCTION WILL BE FINE GRADED AND SEEDING LIMITED TO MINIMUM NOTED IN THE PLANS & SPEC'S.

Howard County - Dept. of Public Works
 2000 County Center Dr., 1st Floor, Gaithersburg, MD
 20878
 Attention: Director, Dept. of Public Works
 10-10-79

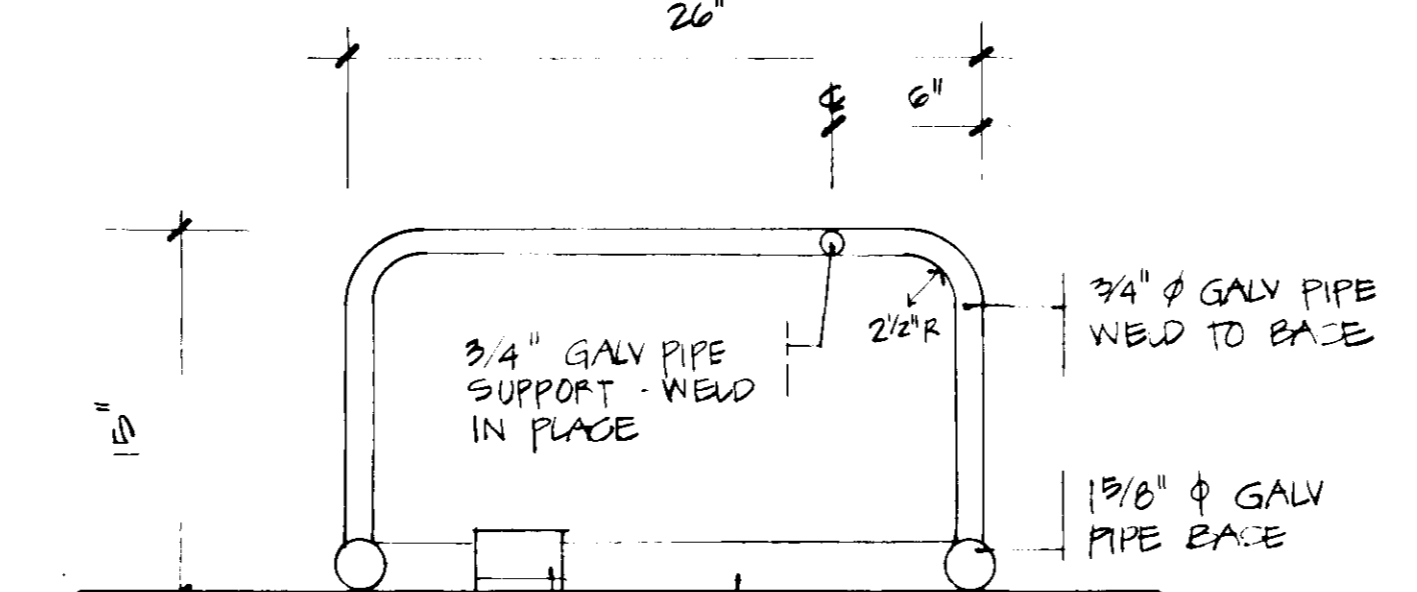
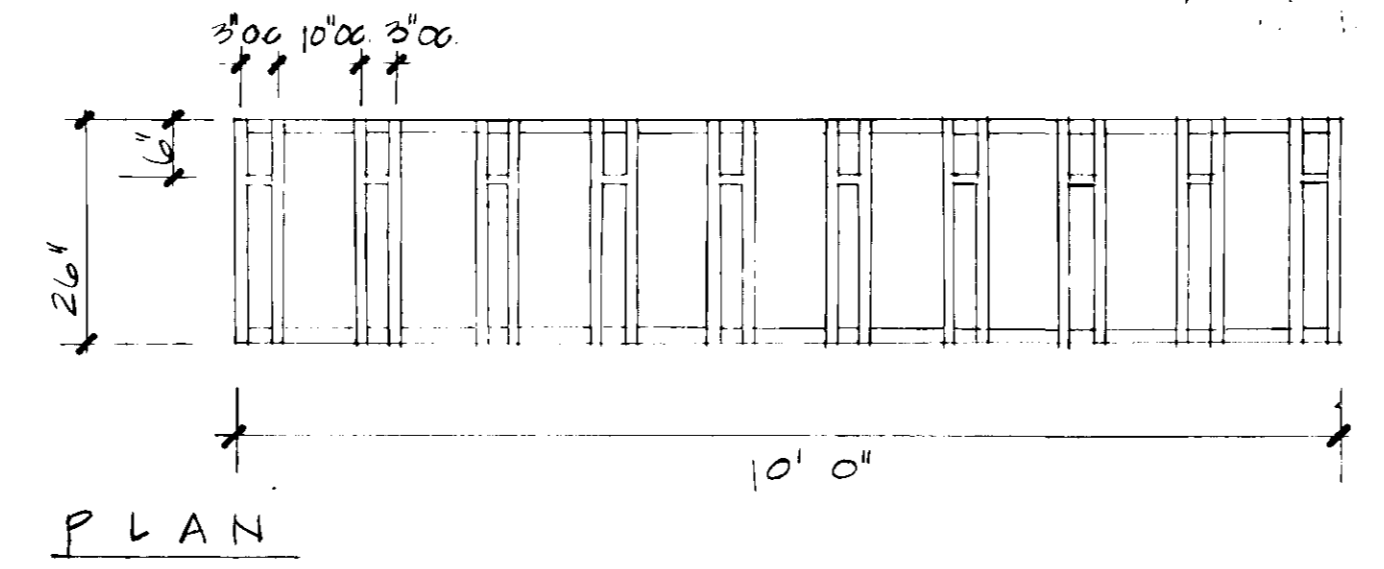
LAND DESIGN/RESEARCH, INC.
 ONE MALL NORTH SUITE 400
 COLUMBIA, MARYLAND

PLANTING PLAN
BRINKLEY PARK
HOWARD COUNTY MARYLAND

DATE	10-10-79	REVISIONS:	
SCALE	1" = 10' 0"		
DRAWN	RJG		
CHECKED	NHG		



A TREE GUYING (3" CAL. AND OVER)
SCALE: NONE

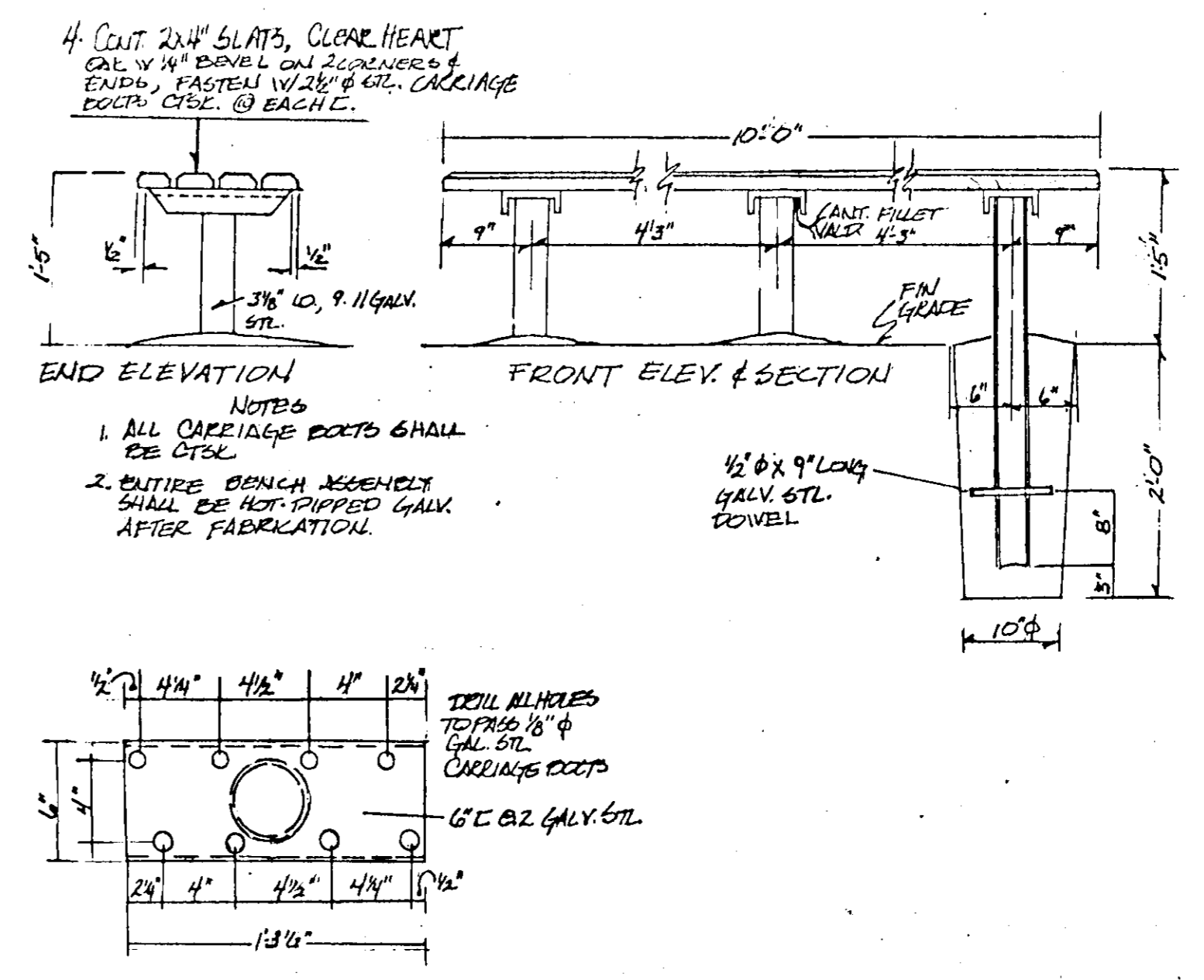


1. CLAMP BIKE RACK TO PAVEMENT, 1 EA END USE BOLT TO LEAD SHIELD

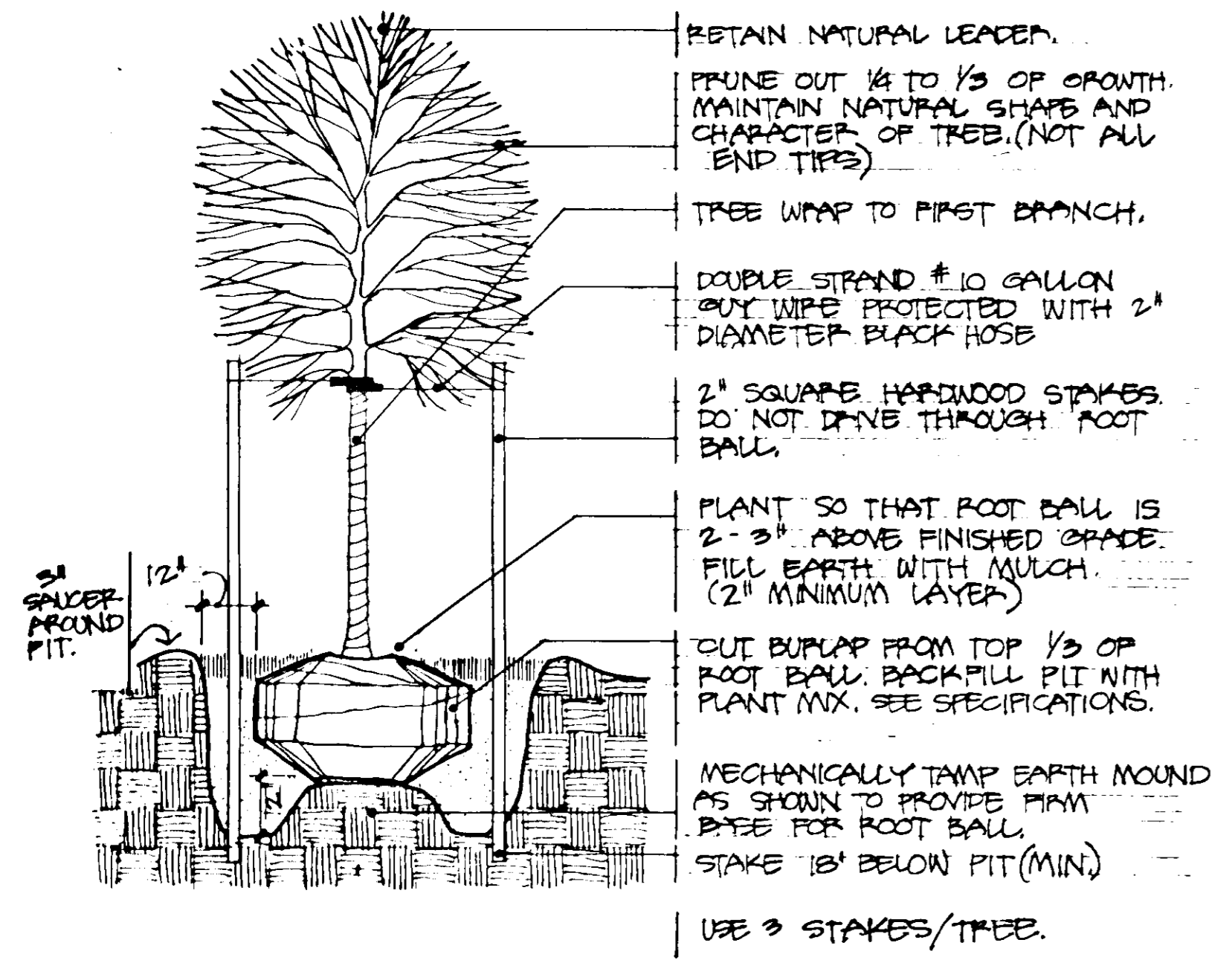
2. 1 1/8" Ø GALV BRACE EACH END
NOTE: ALL JOINTS SHOULD BE WELDED AND GALVANIZED BEFORE PRINTING

3. FINISH: SEMI-GLOSS BLACK, SEE SPECS.

D BIKE RACK
NO SCALE



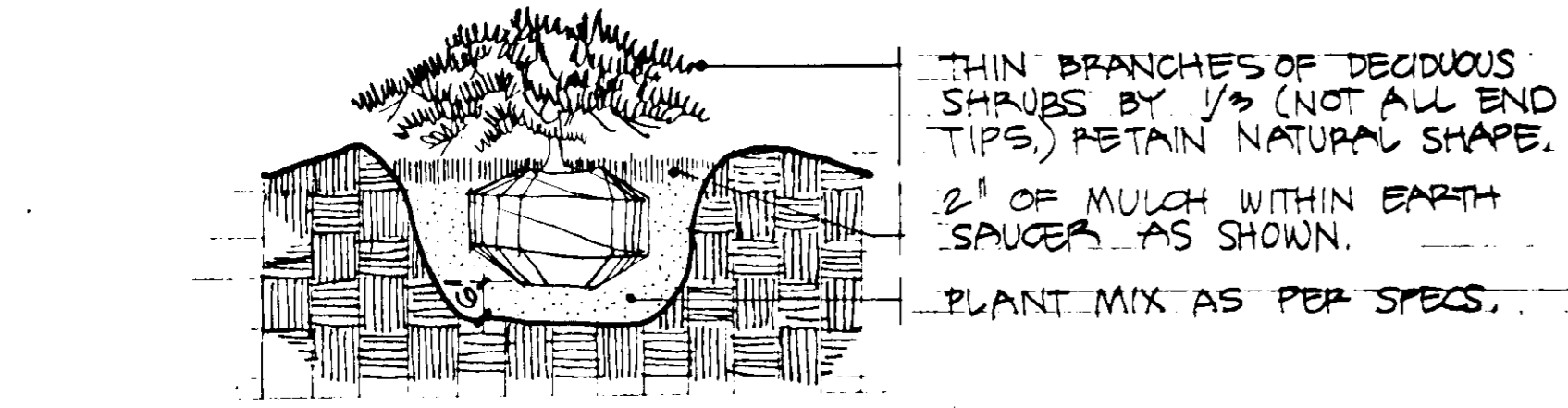
E WOODEN PLAYER'S BENCH



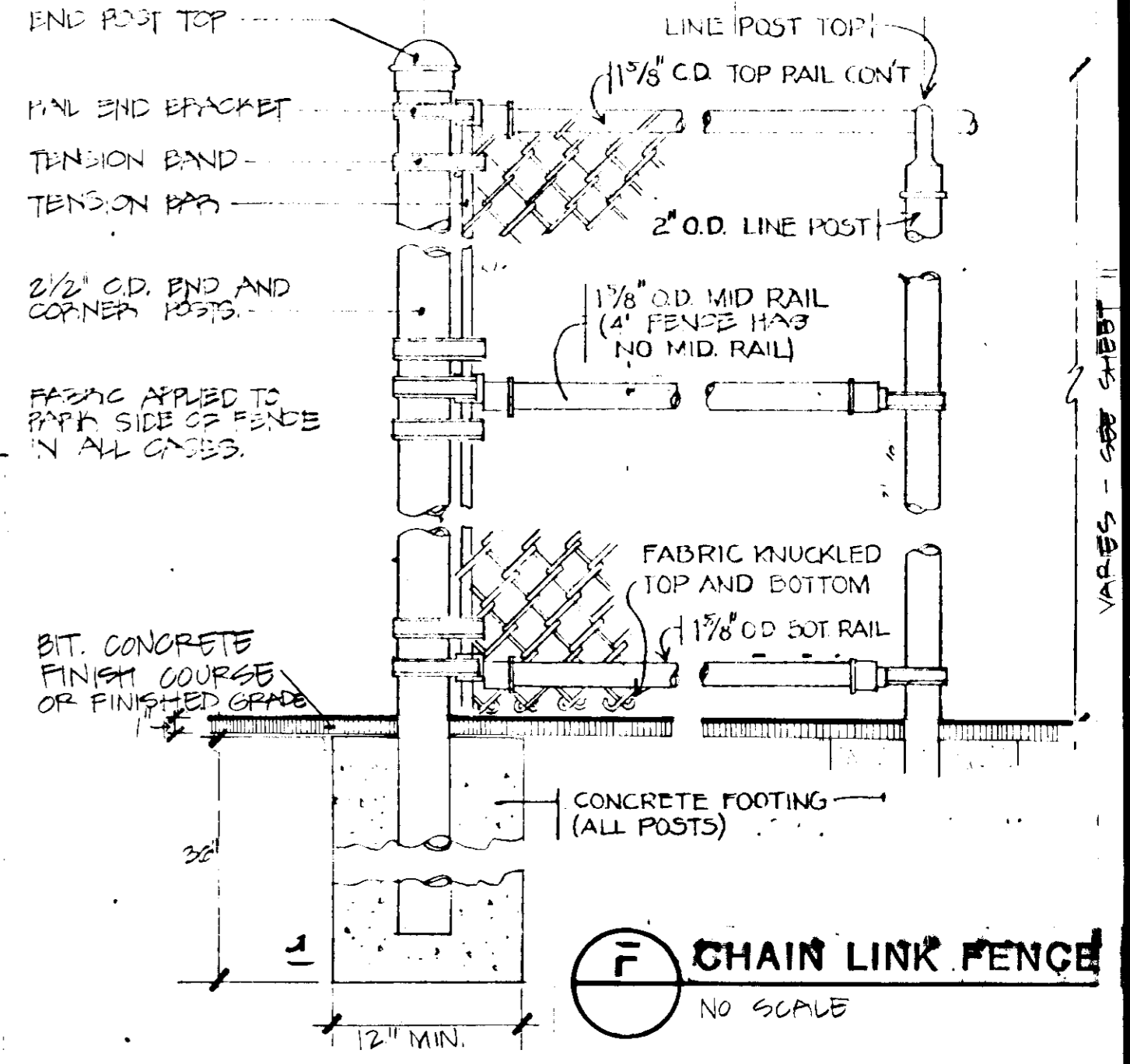
B TREE STAKING (LESS THAN 3" CAL)
SCALE: NONE

PLANT LIST

	BOTANICAL / COMMON NAME	QUAN	SIZE	ROOTS	REMARKS
A	ACER RUBRUM OCTOBER GLO™, 0.6 RED MAPLE	22	3-3 1/2" CAL, 14-16'	B#B	
S	ACER SACCHARUM GREEN MOUNTAIN™, 6.MT SUGAR MAPLE	14	2-2 1/2" CAL, 12-14'	B#B	
Y	QUADRASTIS LUTEA, AMERICAN YELLOW WOOD	5	3 1/2-4" CAL, 14-16'	B#B	MATCHED
T	NYSSA SYLVATICA, BLACK TUPELO	12	1 1/2-2" CAL, 6-8'	-	
W	QUERCUS ALBA, WHITE OAK	3	2 1/2-3" CAL, 14-16'	B#B	
R	QUERCUS BOREALIS, NORTHERN RED OAK	22	2 1/2-3" CAL 13-15'	B#B	
I	AMELANCHIER CANADENSIS, SHADBLOW SERVICEBERRY	6	6-8' HT	-	CLUMP
D	CORNUS FLORIDA, JAPANESE FLOWERING DOGWOOD	17	2-2 1/2" CAL 6-8'	B#B	FULL HEADS
I	MAHIA HUPEHENSIS, TEA CRABAPPLE	7	5-6' HT	B#B	
C	PRUNUS QUINQUEFIDA AUTUMNALIS, AUTUMN FLOWERING CHERRY	18	5-6' HT	B#B	FULL
*	PINUS NIGRA, AUSTRIAN PINE	3	6-7' HT	B#B	SPECIMEN
O	PINUS STROBUS, EASTERN WHITE PINE	20	3-4' HT	-	FULL
●	TEUGA CANADENSIS, HEMLOCK	25	4-5' HT	B#B	GOOD LEADER
rs	CORNUS STOLONIFERA, RED STEEL DOGWOOD	150	18-24"	-	
Ea	EUONYMUS ALATUS COMPACTA, DWAFF WINGED EUONYMUS	10	18-24" HT & SPR.	-	FULL
Fs	FORSYTHIA SUSPENSAS, WEEPING FORSYTHIA	150	2-3' HT & SPR.	-	
Vb	VIBURNUM BURKWOODI, BURKWOOD VIBURNUM	10	18-24"	6" CANE	
Vp	VIBURNUM PUGATUM TOMENTOSUM, MARSH VIBURNUM	5	2-3' HT & SPR.	-	



C SHRUB PLANTING
NO SCALE



F CHAIN LINK FENCE
NO SCALE

APPROVED: For public water, public sewerage and storm drainage systems and roads

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: [Signature] DATE: 10-30-79

CHIEF, BUREAU OF ENGINEERING: [Signature] DATE: 11-1-79

APPROVED: For public water and public sewerage systems

HOWARD COUNTY HEALTH DEPARTMENT

CHIEF HEALTH OFFICER: [Signature] DATE: 11-3-79

APPROVED: Howard County Office of Planning and Zoning

PLANNING DIRECTOR: [Signature] DATE: 11-1-79

CHIEF, DIVISION OF LAND DEVELOPMENT: [Signature] DATE: 11-1-79

10-10-79

SEE PLANS AND ELEVATIONS FOR POST SPACING

STATE OF MARYLAND
ROBERT J. GERMAN
REGISTERED PROFESSIONAL ENGINEER
NO. 2981

Howard County - Dept. of Rec. & Parks
3430 Court House Dr., Ellicott City, Md.

Turpin, Wachter Assoc., Inc. - Project Eng.
8 E. Pennsylvania Ave., Towson, Md.

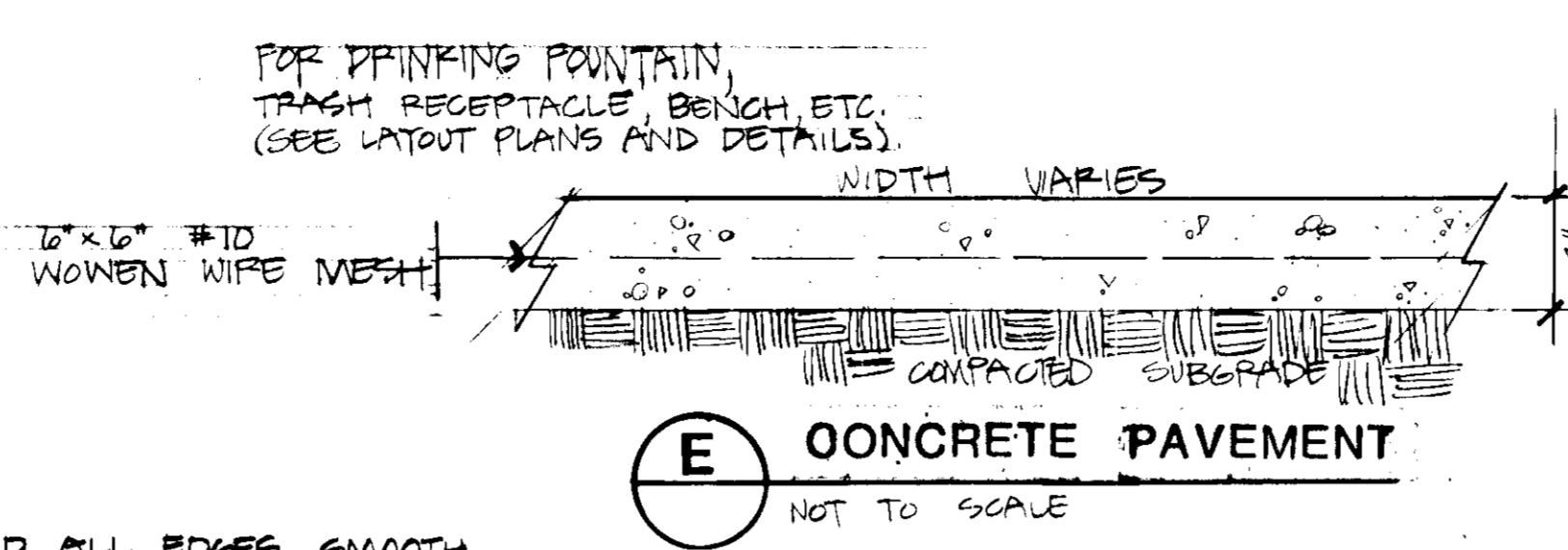
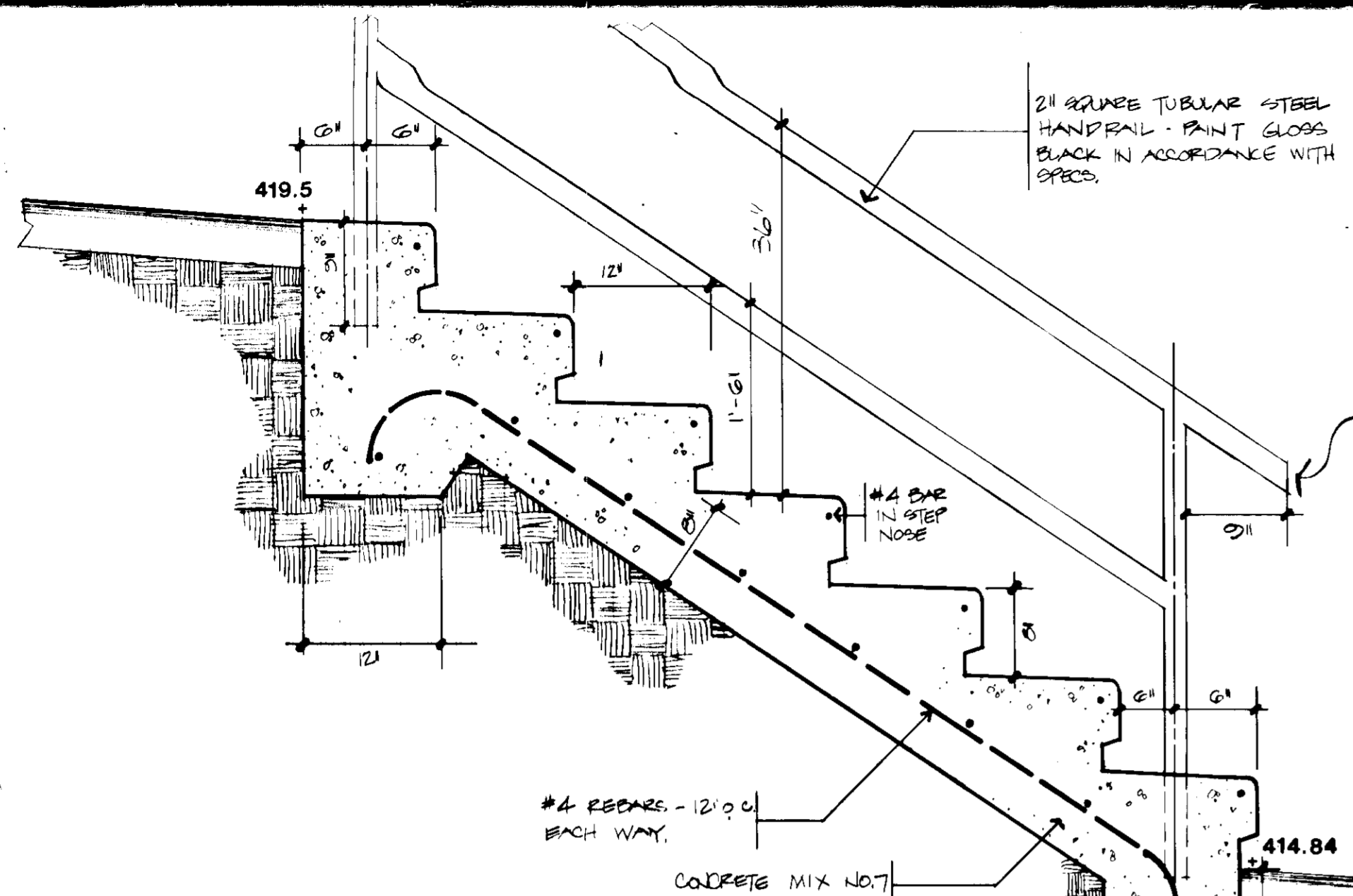
Election District No. 2, Howard Co., Md.
Liber 840, Folio 356; Tax Map No. 17

LD LAND DESIGN / RESEARCH, INC.
ONE MALL NORTH SUITE 400
COLUMBIA, MARYLAND

CONSTRUCTION DETAILS
BRINKLEIGH PARK
HOWARD COUNTY MARYLAND

DATE: 5-1-79 REVISIONS:
SCALE: AS NOTED
DRAWN:
CHECKED:

8

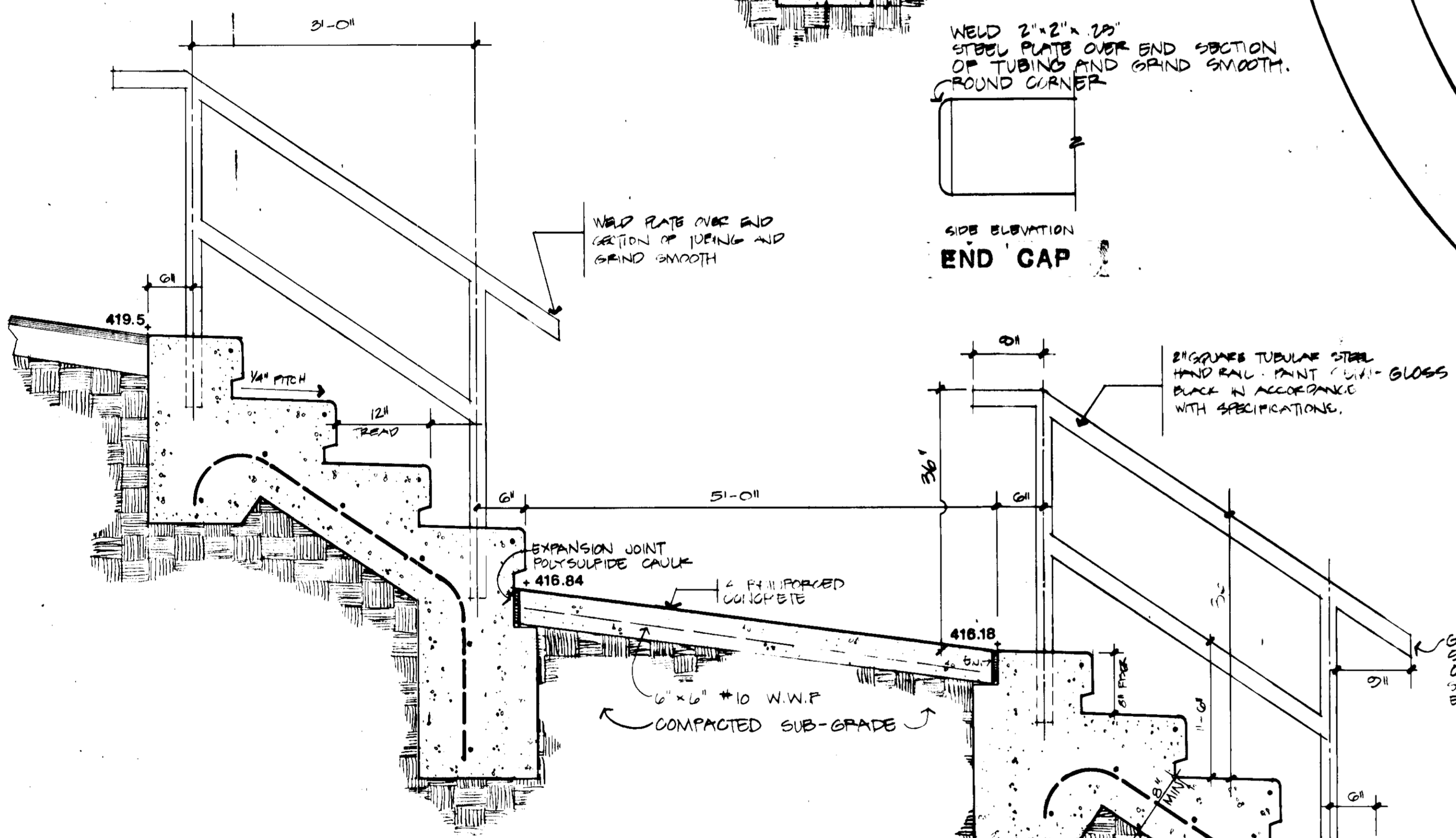


(E) CONCRETE PAVEMENT
NOT TO SCALE

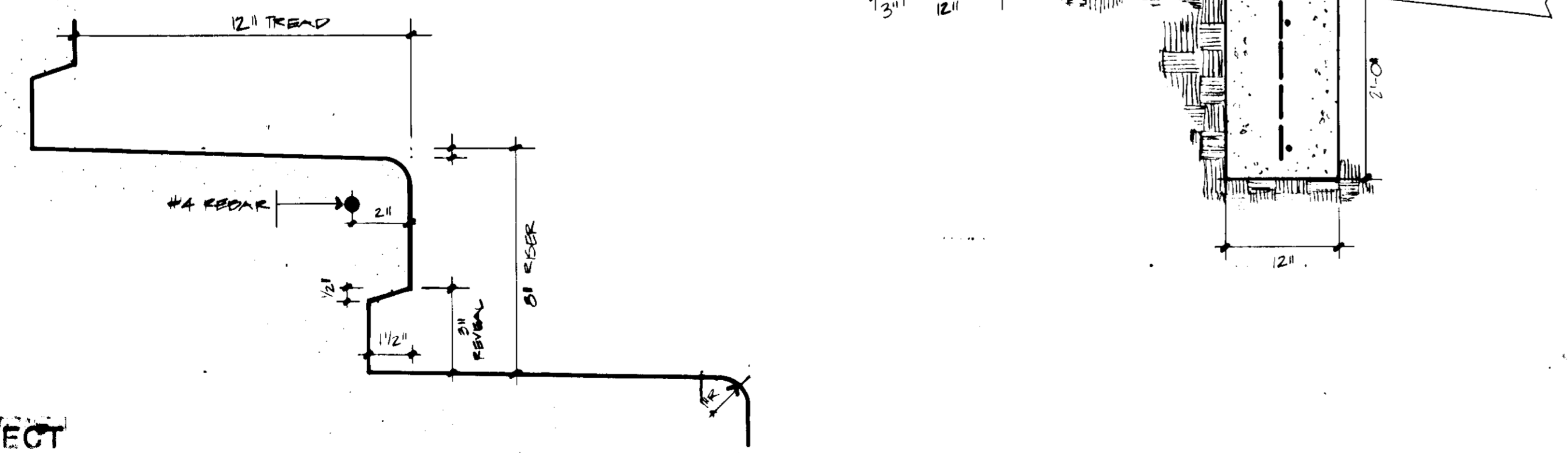
10-10-79
JWM

APPROVED: For public water, public sewerage and storm drainage systems and roads
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *John L. Womack* DATE: 10-28-79
 CHIEF, BUREAU OF ENGINEERING: *Allen S. Peterson* DATE: 10-28-79
 APPROVED: For public water and public sewerage systems
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *Joselyn G. Lee* DATE: 10-31-79
 APPROVED: Howard County Office of Planning and Zoning
 PLANNING DIRECTOR: *Thomas J. Hamish* DATE: 11-1-79
 CHIEF, DIVISION OF LAND DEVELOPMENT: *John W. Whelan* DATE: 11-1-79

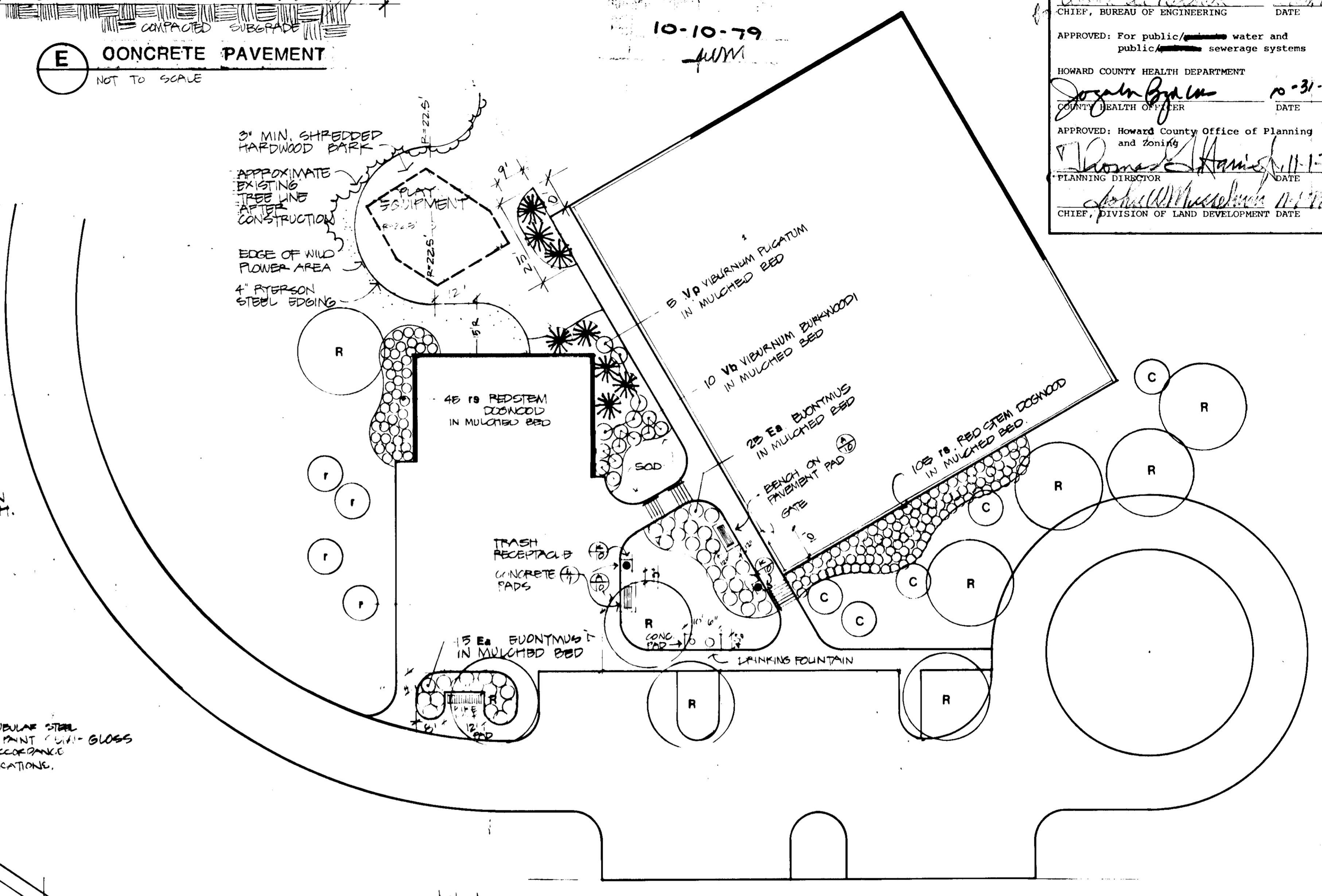
(A) CONCRETE STEPS - TENNIS COURT TO PARKING AREA
11-1-79



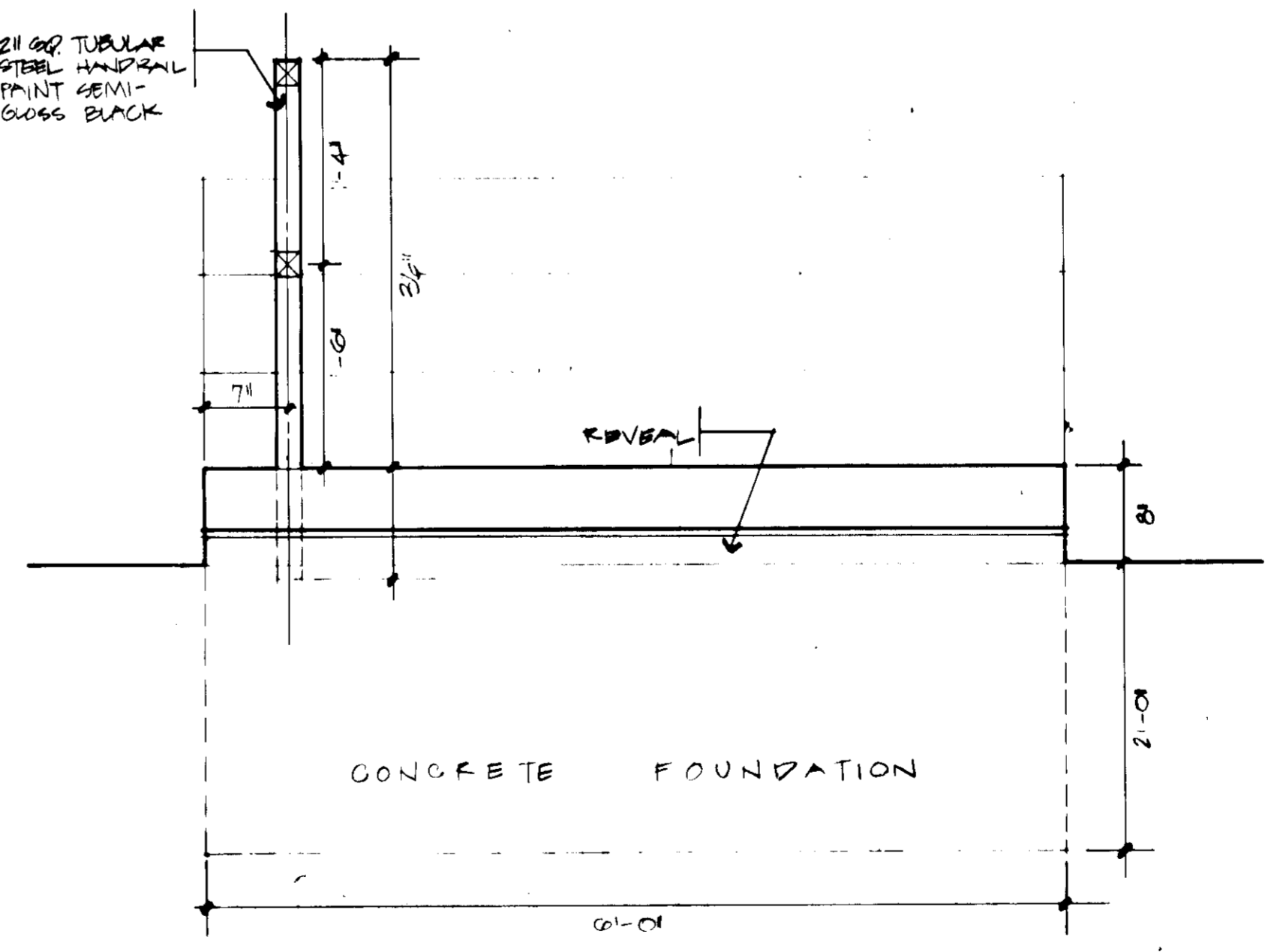
(B) CONCRETE STEPS - TENNIS COURT TO MULTI-USE COURT
11-1-79



(C) TYP. STEP SECT
11-1-79



PLAN
SCALE: 1" = 20'



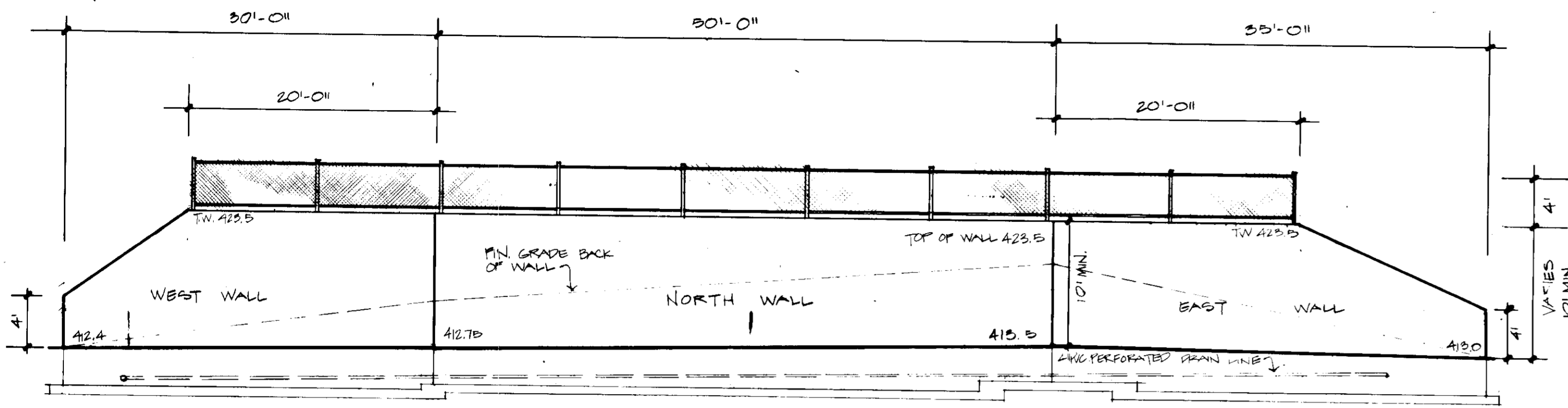
(D) TYP. STEP ELEVATION
10-1-79

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY - Dept. of Rec. & Parks
 3430 Court House Dr., Ellicott City, Md.
 Turpin, Wachter Assoc., Inc. - Project Eng.
 8 E. Pennsylvania Ave., Towson, Md.
 Election District No. 2, Howard Co., Md.
 Liber 840, Folio 356; Tax Map No. 17

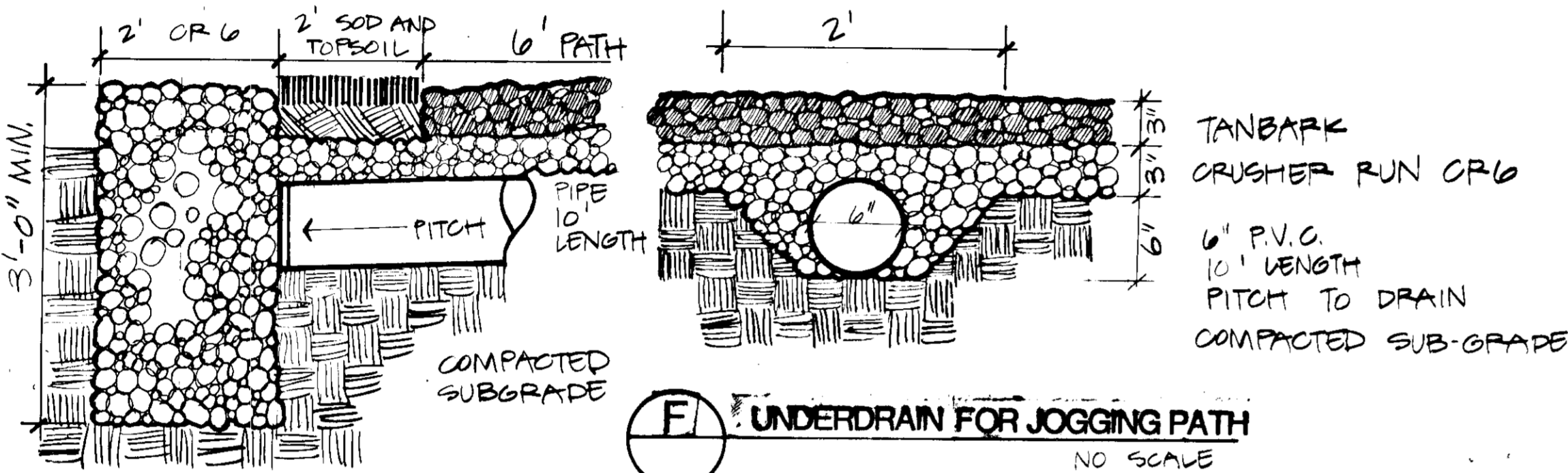
LD LAND DESIGN / RESEARCH, INC.
 ONE MALL NORTH SUITE 400
 COLUMBIA, MARYLAND

CONSTRUCTION DETAILS
BRINKLEIGH PARK
 HOWARD COUNTY MARYLAND

DATE	E. / 79	REVISIONS:	9
SCALE	N - 1/2" = 1'-0"		
DRAWN	NHC		
CHECKED			

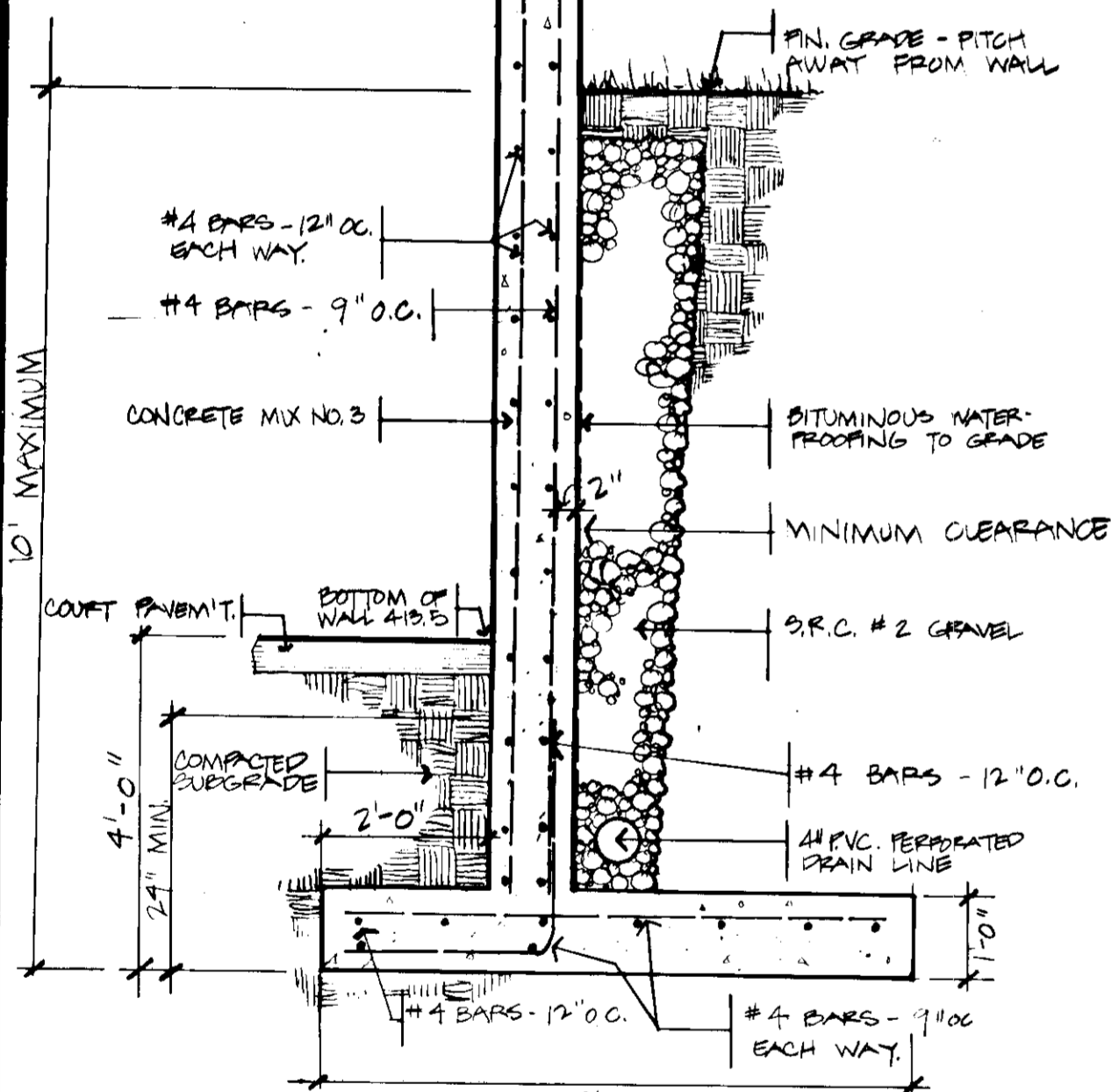


A ELEVATION - MULTI-USE COURT RETAINING WALL
1/8" = 1'-0"



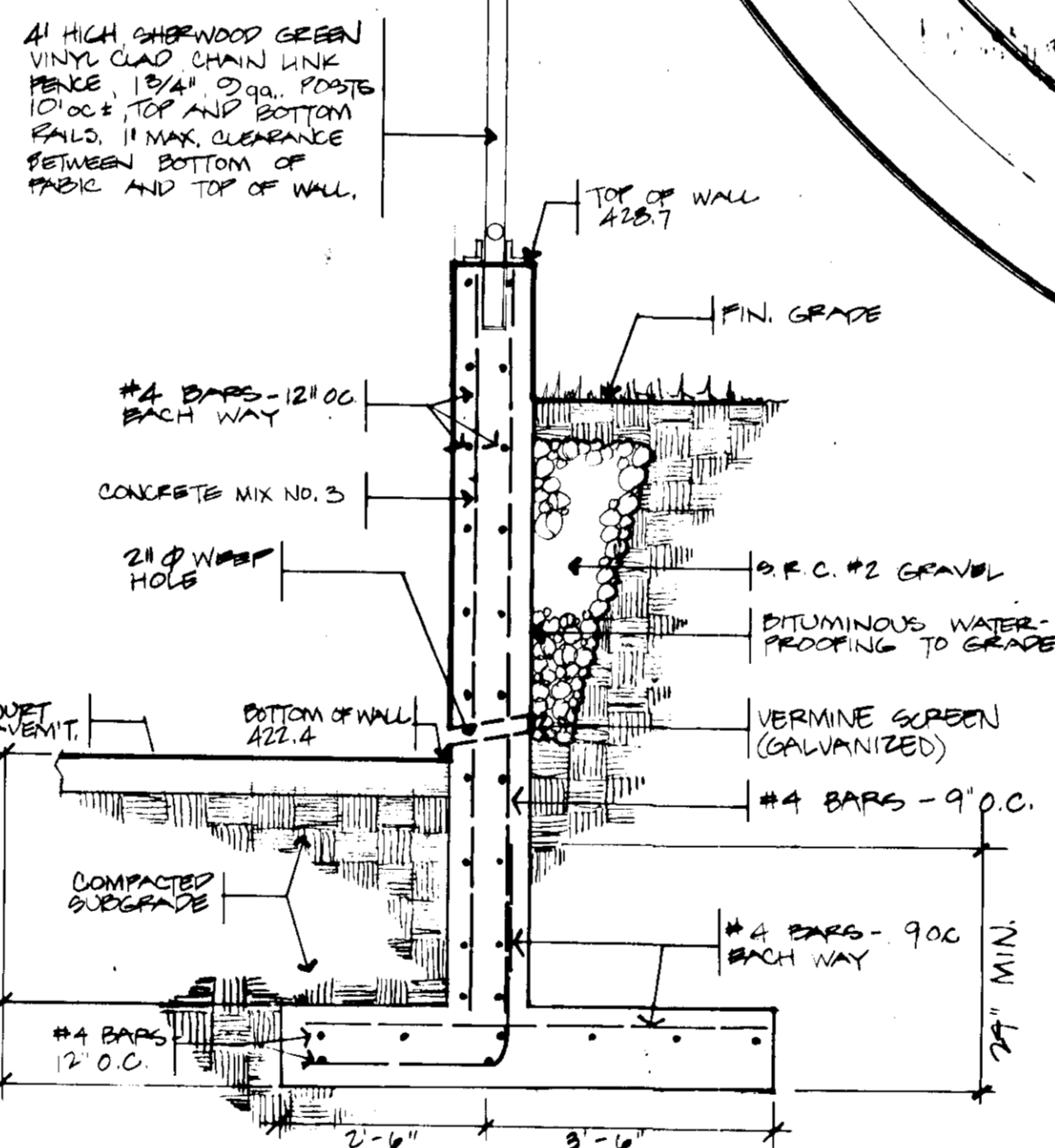
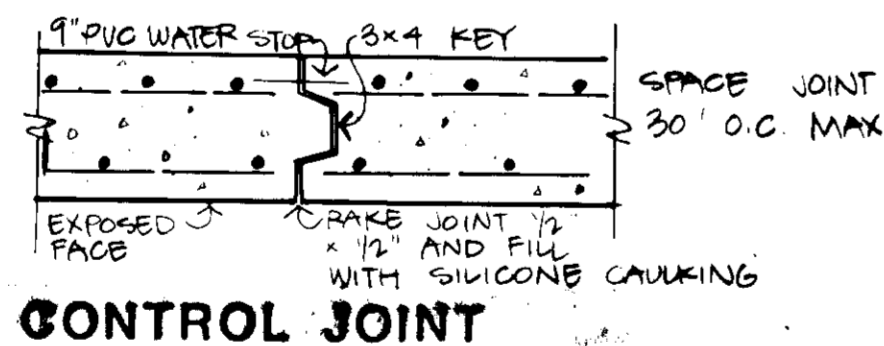
F UNDERDRAIN FOR JOGGING PATH
NO SCALE

4' HIGH, SHERWOOD GREEN VINYL CLAD CHAIN LINK FENCE 1 3/4" W/ 1 3/4" POSTS 10' O.C. TOP AND BOTTOM RAIL 1" MAX. CLEARANCE BETWEEN BOTTOM OF FABRIC AND CONC. WALL
TOP OF WALL 423.5

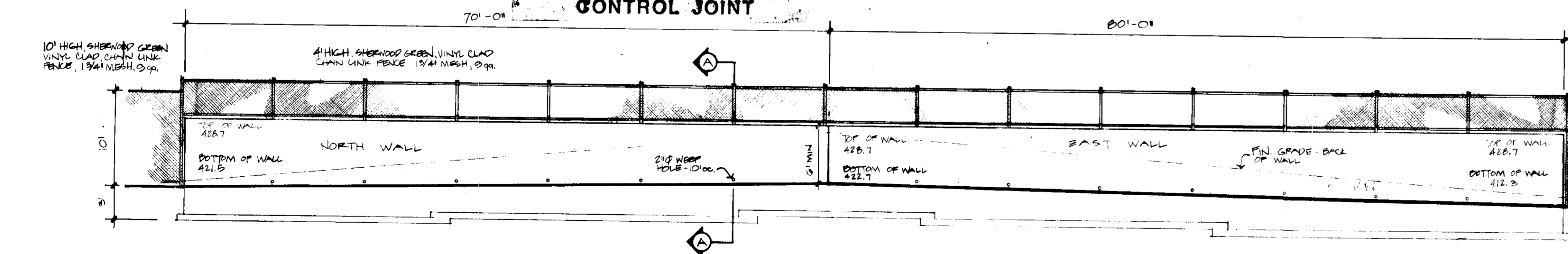


B MULTI-USE COURT RETAINING WALL
1/2" = 1'-0"

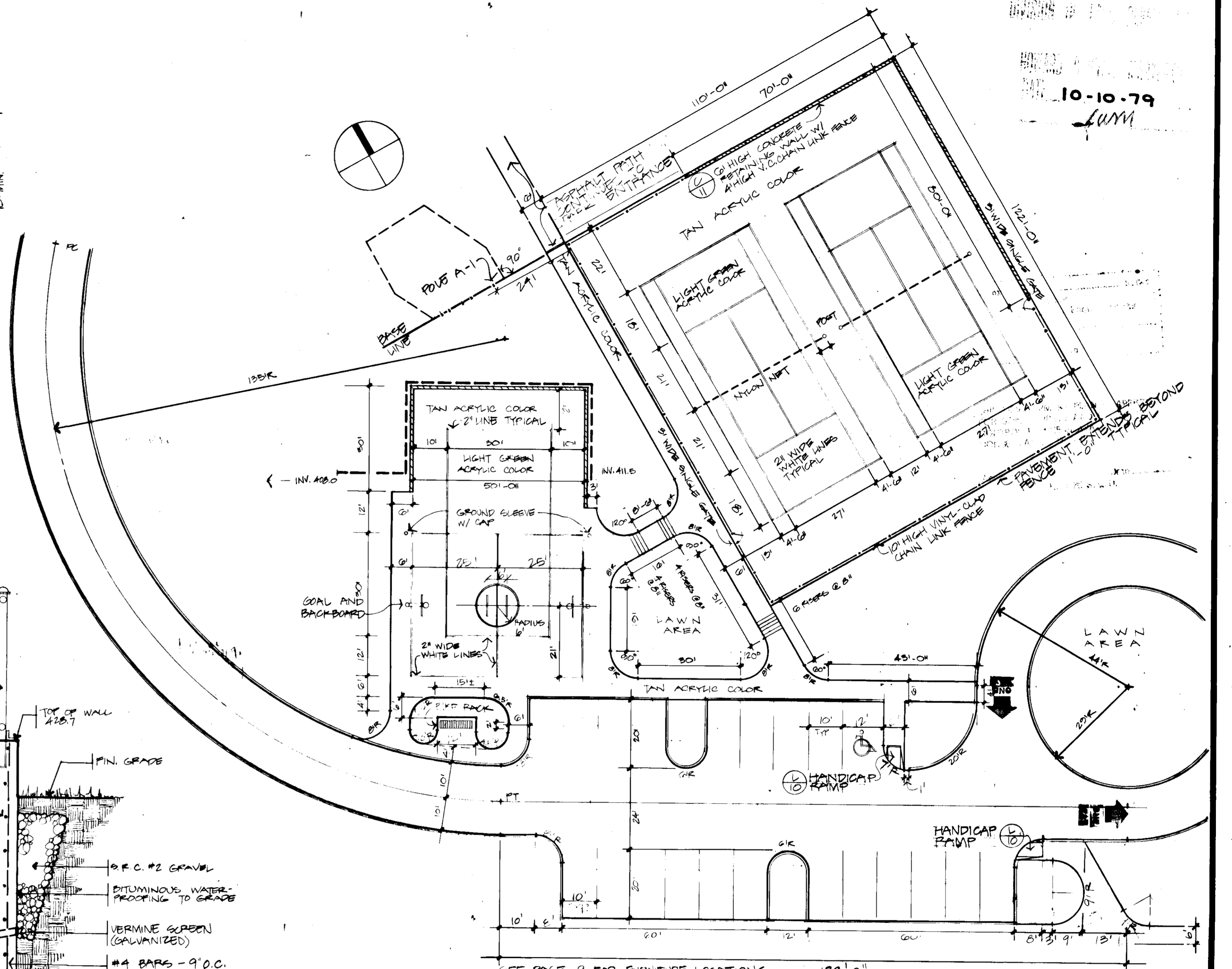
Fence Post Fastening on Top of Wall
N.T.S.



C TENNIS COURT RETAINING WALL
1/2" = 1'-0"



D ELEVATION - TENNIS COURT RETAINING WALL
1/8" = 1'-0"

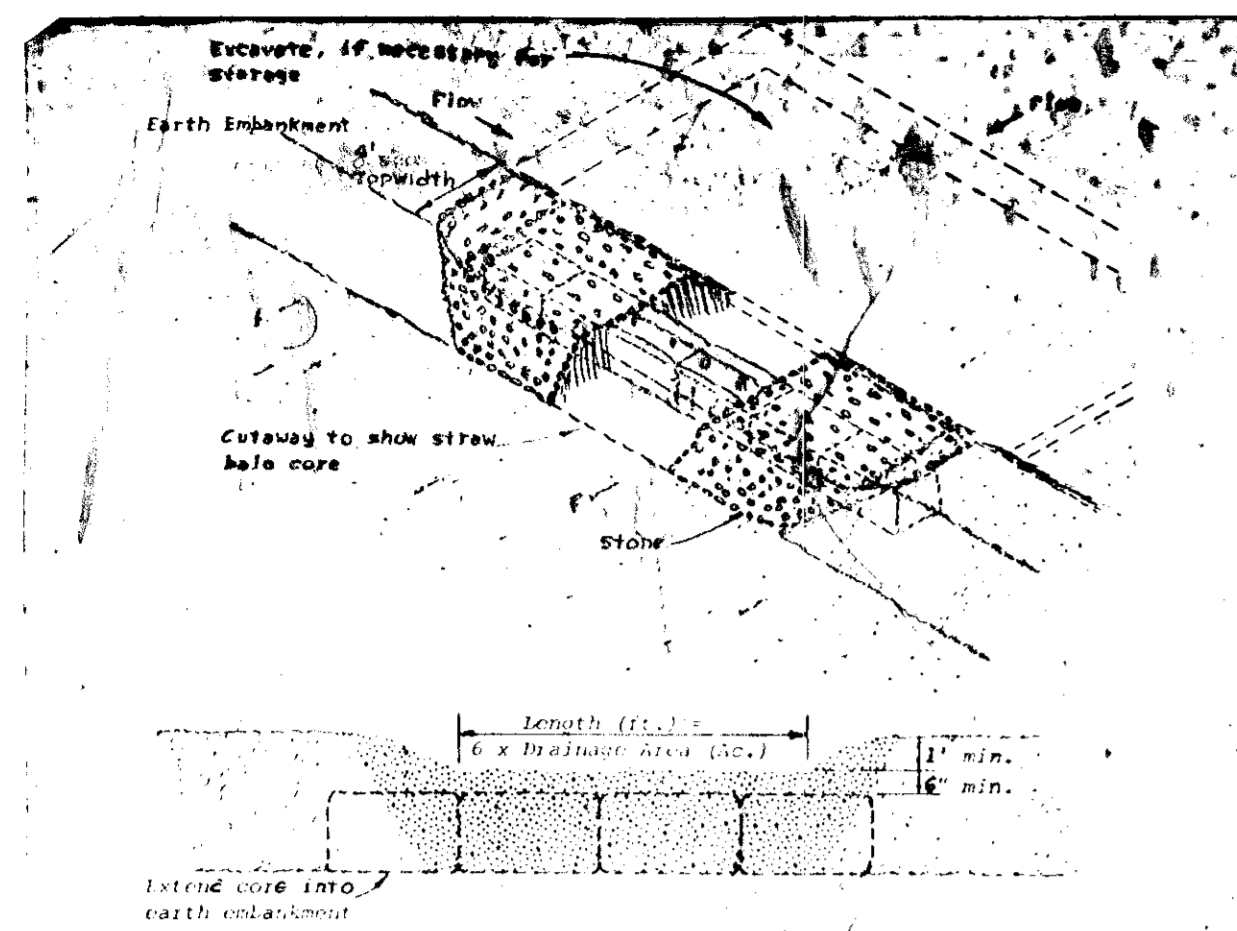


E BLOW-UP OF GAME COURTS AND PARKING
1" = 20'-0"

APPROVED: For public water, public sewerage and storm drainage systems and roads
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *[Signature]* DATE: 10-30-79
CHIEF, BUREAU OF ENGINEERING
APPROVED: For public water and sewerage systems
HOWARD COUNTY HEALTH DEPARTMENT
HEALTH OFFICER: *[Signature]* DATE: 10-31-79
APPROVED: Howard County Office of Planning and Zoning
PLANNING DIRECTOR: *[Signature]* DATE: 11-1-79
CHIEF, DIVISION OF LAND DEVELOPMENT DATE: 11-1-79

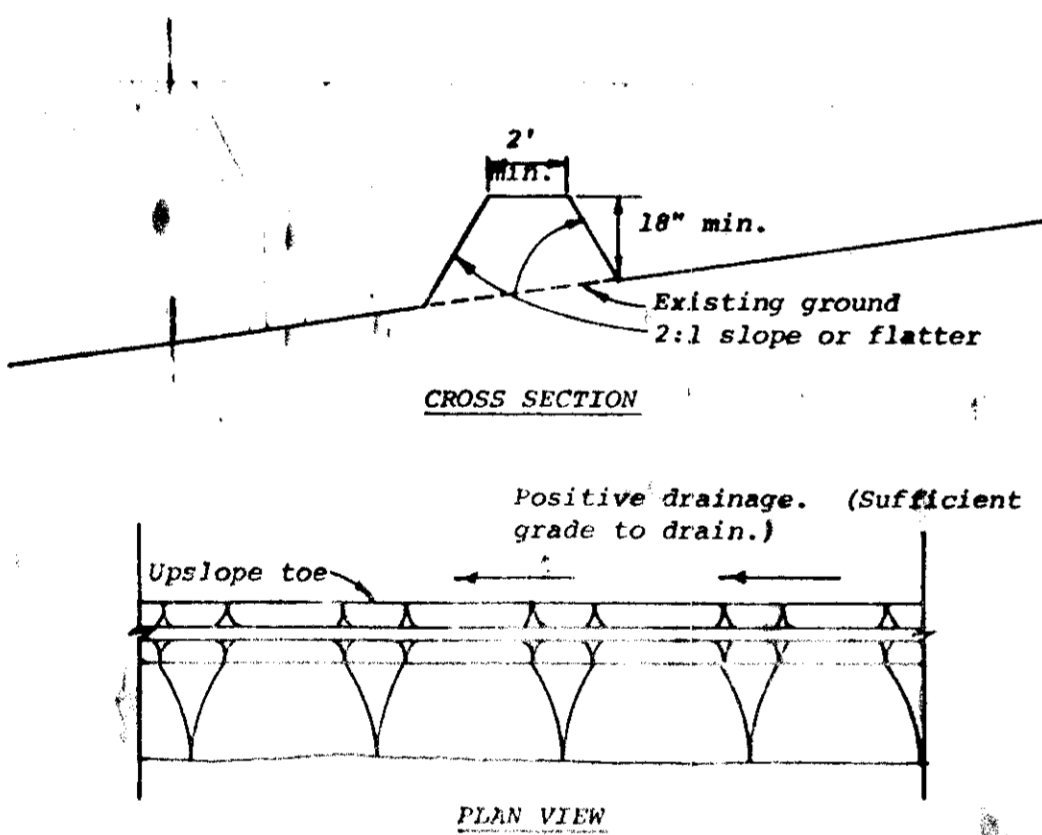
STATE OF MARYLAND
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY - Dept. of Rec. & Parks
3430 Court House Dr., Ellicott City, Md.
Turpin, Wachter Assoc., Inc. Project Eng.
8 E. Pennsylvania Ave., Towson, Md.
Election District No. 2, Howard Co., Md.
Liber 840, Folio 356; Tax Map No. 17

LD LAND DESIGN / RESEARCH, INC.
ONE MALL NORTH SUITE 400
COLUMBIA, MARYLAND
CONST. DETAILS
BRINKLEIGH PARK
HOWARD COUNTY MARYLAND
DATE: 5-1-79
SCALE: AS NOTED
DRAWN: *[Signature]*
CHECKED: *[Signature]*
REVISIONS:
11



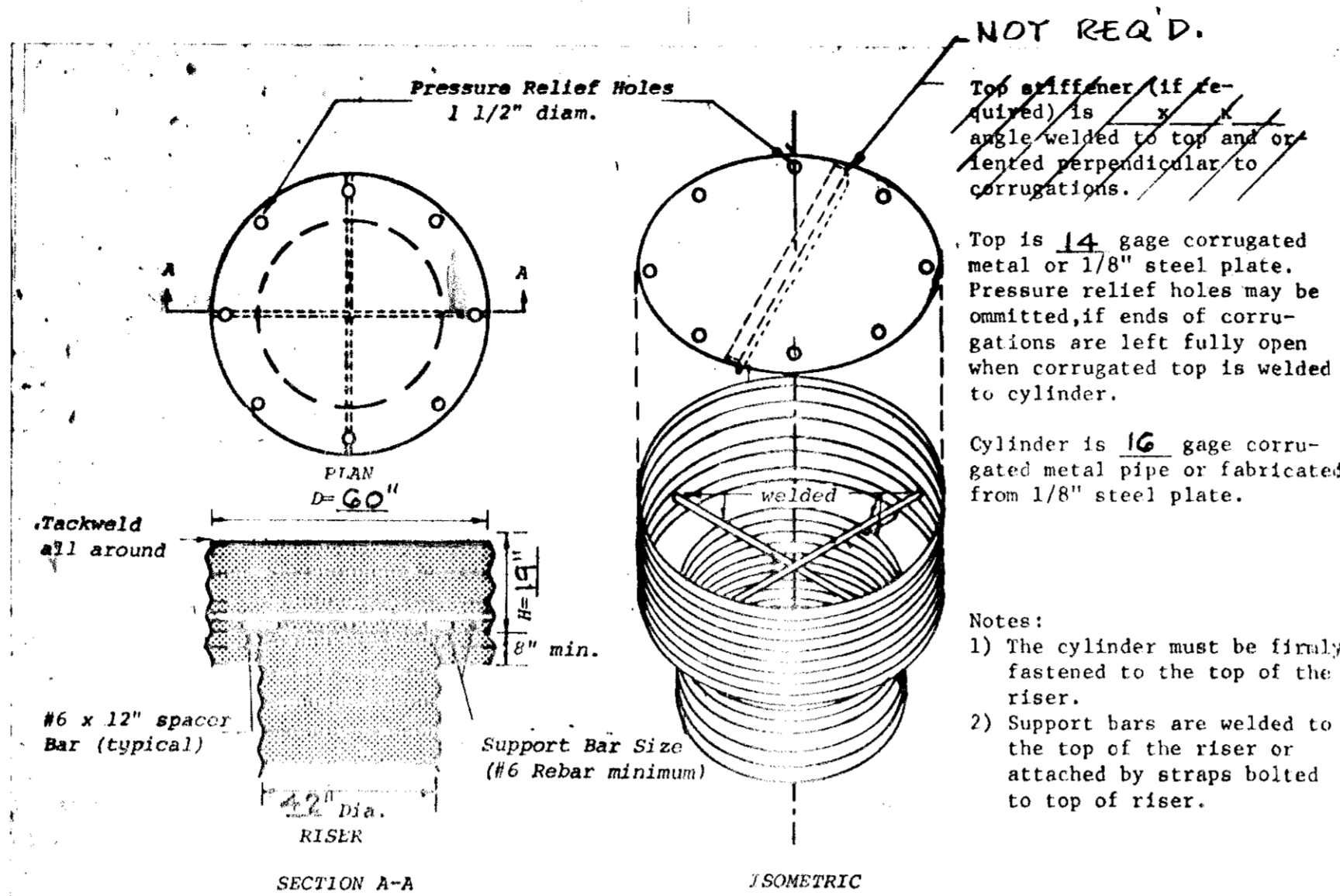
- NOTE** - Drawings show straw bales used for core. Bales are anchored as per Standard and Specifications for Stone Gate Dike. Other materials (e.g., timber or concrete block) may also be used for core. Firmly anchor all core material to ground.
- Construction Specifications**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 - The fill material for the embankment shall be free of roots or other woody vegetation as well as over sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
 - All cut and fill slopes shall be 2:1 or flatter.
 - The crushed stone used in the outlet shall meet AASHTO designation M63, Size No. 2 or 24 or its equivalent such as MSHA No. 2. Gravel, meeting the above gradation, may be used if crushed stone is not available. Crusher run is not acceptable.

STONE OUTLET SEDIMENT TRAP
NOT TO SCALE

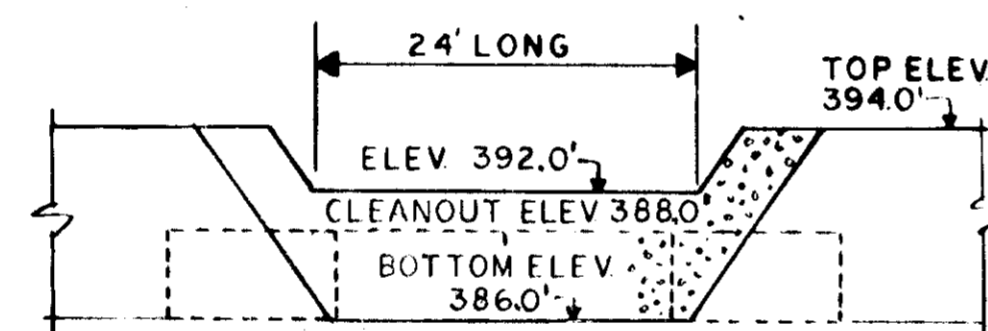


- Construction Specifications**
- All dikes shall be machine compacted.
 - All perimeter dikes shall have positive drainage to an outlet.
 - A. Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as sediment trap or a sediment basin or to an area protected by any of these practices.
 - Stabilization, when required, shall be done in accordance with Standard and Specifications for Grassed Waterway. The minimum area to be stabilized shall be the channel flow area.
 - Periodic inspection and required maintenance shall be provided.

PERIMETER DIKE
NOT TO SCALE



CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE
NOT TO SCALE



STONE OUTLET DETAIL
NOT TO SCALE

SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OF THE SITE.
- ALL SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS, PHONE 465-3180 OR 465-5000 EXT. 361.
- NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT LEAST 24 HOURS PRIOR TO BEGINNING OF ANY WORK.
- ALL SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS IN URBANIZING AREAS AND AS SHOWN AND DETAILED ON THESE PLANS.
- CONTINUED INSPECTION AND MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- SEED OR SOD ALL EXPOSED SOIL IN GRASSED AREAS WITHIN 72 HOURS OF GRADING TO FINISHED GRADE IN ACCORDANCE WITH H.S.C.D. STANDARDS AND SPECIFICATIONS. LAY BASE COURSE IN PAVED AREAS OR PROTECT WITH BITUMINOUS MULCH OR OTHER METHODS APPROVED BY THE ENGINEER WITHIN 72 HOURS OF FINE GRADING.
- TEMPORARY SEEDING :
 GROUND LIMESTONE - 3500 LBS./AC. WORKED INTO TOP 3" OF SOIL.
 FERTILIZER - 1300 LBS./AC. OF 10-0-4
 MULCH - 4000 LBS./AC. AT THE RATE OF 95 LBS. PER 1000 SQ. FT.
 SEED - 40 LBS./AC. RYE GRASS.
 BINDER - ASPHALT AT THE RATE OF 3 GAL./1000 SQ. FT. PER STATE ROADS COMMISSION SPECIFICATION, SECTION 36-05-3 PAGE 479.
 ALTERNATE - HYDROSEED-FERTILIZER SEED AND MULCH USING CONWED HYDROMULCH WITH TERRA TACK BINDER OR APPROVED EQUAL WITH APPLICABLE NOTES ACCORDING TO THE MANUFACTURERS SPECIFICATIONS.
- PERMANENT SEEDING MIXTURES, SEE SPECIFICATIONS, SECTION I-1.

SEQUENCE OF CONSTRUCTION

- THE CONTRACTOR SHALL OBTAIN GRADING PERMIT.
- THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES PRIOR TO ANY SITE GRADING.
- PROCEED WITH SITE GRADING AND CONSTRUCTION OF STORM WATER DRAIN PIPING, CHANNELS AND STRUCTURES AS SHOWN ON THE CONTRACT DRAWINGS.
- AS VARIOUS AREAS ARE BROUGHT TO FINAL GRADE, PLACE TOP SOIL, SOD/SEED GRASSED AREAS IN CONFORMITY WITH CONTRACT DRAWINGS AND SEDIMENT CONTROL NOTES.
- CONSTRUCT POTABLE WATER LINE AS SHOWN ON THE CONTRACT PLANS.
- CONSTRUCT TENNIS AND MULTI-USE COURTS.
- CONSTRUCT ROAD, PARKING AREAS AND JOGGING PATHS.
- UPON COMPLETION OF FINE GRADING AND STABILIZATION OF THE SITE, THE 40 FOOT BY 30 FOOT STONE OUTLET SEDIMENT TRAP SHALL BE FILLED FLUSH WITH FINISHED GRADE & PD DIKE AND FENCE REMOVED. THE 42 INCH DIAMETER RISER FOR THE SEDIMENT BASIN SHALL BE REMOVED FROM THE 36 INCH CORRUGATED METAL PIPE TO LEAVE A VERTICAL END ON THE 36 INCH DRAIN INLET. THE 36 INCH DRAIN SHALL REMAIN & BECOME PART OF THE CULVERT SUPPORTING THE JOGGING PATH.

Reviewed for: Howard S.C.D.
 Name
 and meets Technical Requirements
John M. DeLuca Date 10/24/79
 Signature
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
John R. Rouse 10-24-79
 Howard Co. S.C.D.

APPROVED FOR PUBLIC WATER SYSTEMS/PUBLIC SEWER
 HOWARD COUNTY HEALTH DEPARTMENT
Joseph B. Bynum 10-21-79
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John G. Rouse
 PLANNING DIRECTOR DATE

CHIEF, DIVISION OF LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER/STORM DRAINAGE SYSTEMS AND ROADS/PUBLIC SEWER
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING DATE

10-10-79

Howard County - Dept. of Rec. & Parks
 3430 Court House Dr., Piliott City, Md.
 Turpin, Wachter Assoc., Inc. - Project Eng.
 8 E. Pennsylvania Ave., Towson, Md.
 Election District No. 2, Howard Co., Md.
 Liber 840, Folio 356; Tax Map No. 17

LD LAND DESIGN / RESEARCH, INC.
 ONE MALL NORTH SUITE 400
 COLUMBIA, MARYLAND

SOIL EROSION & SED. CONTROL DETAILS
BRINKLEIGH PARK
HOWARD COUNTY MARYLAND

DATE	7-19-79	REVISIONS:	12 OF 12
SCALE	AS SHOWN		
DRAWN	FZ		
CHECKED	FHF		