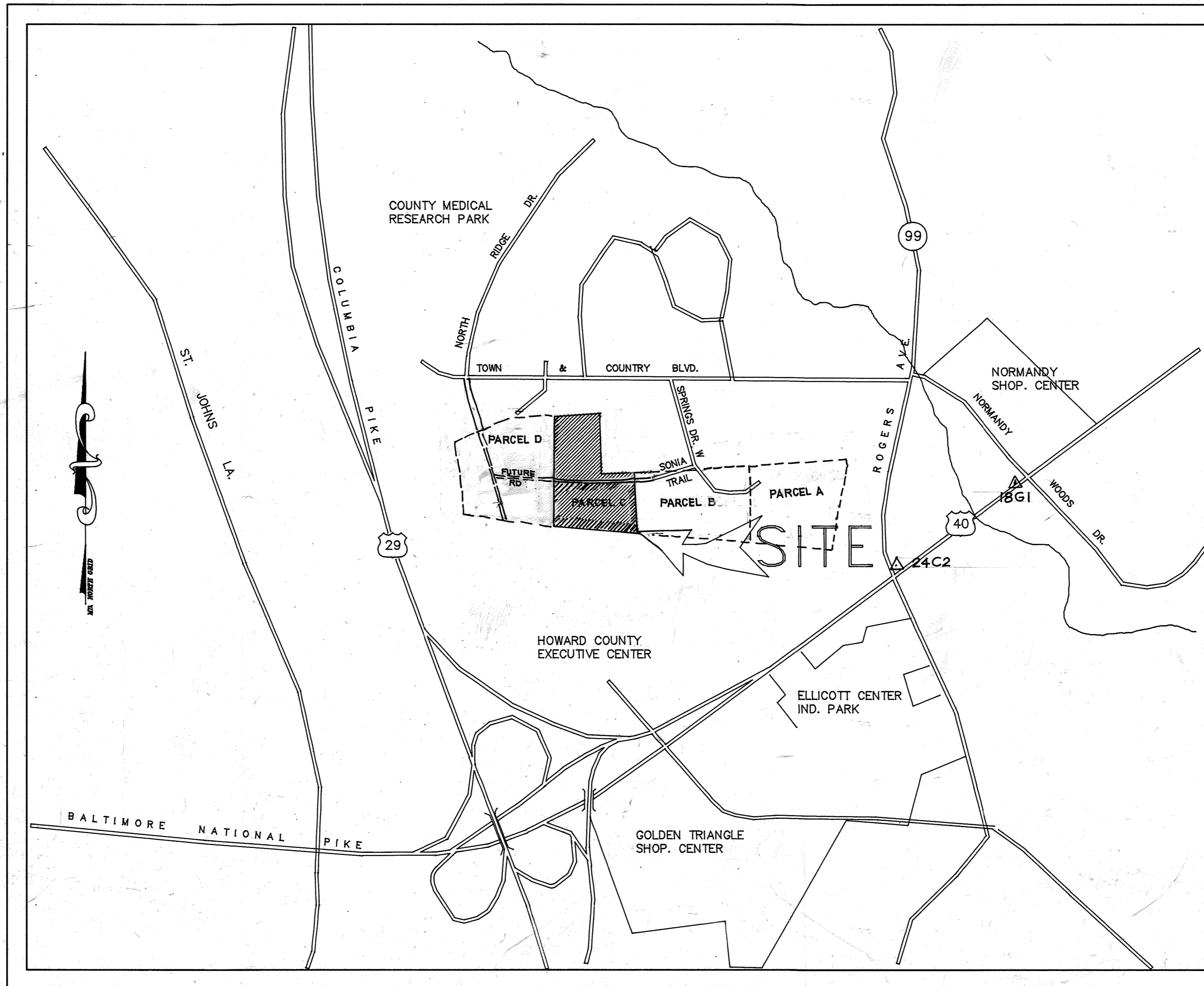


ADDRESS CHART		
BLDG. NO.	UNIT NO.	ADDRESS
1	1	3395 SONIA TRAIL
	2	3387 SONIA TRAIL
	3	3389 SONIA TRAIL
	4	3391 SONIA TRAIL
	5	3393 SONIA TRAIL
	6	3395 SONIA TRAIL
	7	3397 SONIA TRAIL
	8	3399 SONIA TRAIL
2	9	3501 SONIA TRAIL
	10	3303 SONIA TRAIL
	11	3305 SONIA TRAIL
	12	3307 SONIA TRAIL
	13	3309 SONIA TRAIL
	14	3311 SONIA TRAIL
	15	3313 SONIA TRAIL
3	16	3315 SONIA TRAIL
	17	3317 SONIA TRAIL
	18	3319 SONIA TRAIL
	19	3321 SONIA TRAIL
	20	3323 SONIA TRAIL
	21	3325 SONIA TRAIL
	22	3327 SONIA TRAIL
4	23	3329 SONIA TRAIL
	24	3331 SONIA TRAIL
	25	3333 SONIA TRAIL
	26	3335 SONIA TRAIL
5	27	3337 SONIA TRAIL
	28	3339 SONIA TRAIL
	29	3341 SONIA TRAIL
	30	3343 SONIA TRAIL
	31	3345 SONIA TRAIL
	32	3347 SONIA TRAIL
	33	3349 SONIA TRAIL
	34	3351 SONIA TRAIL
6	35	3353 SONIA TRAIL
	36	3355 SONIA TRAIL
	37	3357 SONIA TRAIL
	38	3359 SONIA TRAIL
	39	3361 SONIA TRAIL
	40	3363 SONIA TRAIL
	41	3365 SONIA TRAIL
7	42	3367 SONIA TRAIL
	43	3369 SONIA TRAIL
	44	3371 SONIA TRAIL
	45	3373 SONIA TRAIL
	46	3375 SONIA TRAIL
	47	3377 SONIA TRAIL
	48	3379 SONIA TRAIL
	49	3381 SONIA TRAIL
	50	3383 SONIA TRAIL
8	51-62	3385 SONIA TRAIL
9	63-76	3387 SONIA TRAIL
10	76-86	3389 SONIA TRAIL
11	87-96	3391 SONIA TRAIL

### INDEX

SHEET NO.

- 1/ COVER SHEET
- 2/ SITE DEVELOPMENT PLAN
- 3/ SITE DEVELOPMENT PLAN
- 4/ ROAD PROFILES, DETAILS
- 5/ DRAINAGE AREA MAP
- 6/ STORM WATER MANAGEMENT DETAILS
- 7/ DRAINAGE PROFILES
- 8/ PRIVATE WATER & SEWER PROFILE
- 9/ UTILITY LOCATION PLAN
- 10/ SEDIMENT CONTROL PLAN
- 11/ SEDIMENT CONTROL PLAN
- 12/ SEDIMENT CONTROL PLAN



LOCATION MAP  
SCALE: 1" = 600'

# WILDER SUBDIVISION PARCEL C-1, C-2 A RESUBDIVISION OF PARCEL C SITE DEVELOPMENT PLAN HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

### GENERAL NOTES:

1. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HRS. IN ADVANCE OF CONSTRUCTION AT 313-3380.
2. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HRS. PRIOR TO ANY EXCAVATION WORK.
3. PROJECT BACKGROUND.
  - a. TAX MAP 17, PARCEL 711, ZONING R-A-15
  - b. GROSS AREA = 8.404 ACRES
  - c. AREA OF BUILDABLE LOTS = 8,544 ACRES
  - d. AREA OF OPEN SPACE = 0
  - e. AREA OF PUBLIC ROAD RIGHT-OF-WAY = 0.85 ACRE
  - f. NO. OF PROPOSED UNITS = 97 UNITS
  - g. PARCEL C WAS RECORDED UNDER F-88-143 AS PLAT NO. 7847 ON 5/20/88.
  - h. SKETCH PLAN WAS APPROVED ON APRIL 9, 1992 UNDER S-92-14.
  - i. PRELIMINARY PLAN WAS APPROVED ON NOV. 2, 1992 UNDER P-93-08.
  - j. FINAL PLAT WAS RECORDED ON FEB. 3, 1994 UNDER PLAT NO. 1112 & T-93-112.
  - k. AREA FOR SINGLE FAMILY ATTACHED UNITS PARCEL C-1 = 5.281 ACRES
  - ROAD R/W = 0.86 ACRE
  - TOTAL = 6.251 ACRES
  - (a.) NO. OF UNITS ALLOWED = 50 PER P-93-08
  - (b.) NO. OF UNITS PROPOSED = 50
  - (c.) NO. OF PARKING SPACE REQUIRED = 100
  - (d.) NO. OF PARKING SPACE PROVIDED = 100
- △ I. AREA FOR APARTMENTS, PARCEL C-2 = 3.63 ACRES
  - (a.) NO. OF UNITS ALLOWED = 46 PER P-93-08 (SEE NOTE BELOW)
  - (b.) NO. OF UNITS PROPOSED = 46
  - (c.) NO. OF PARKING SPACE REQUIRED = 92
  - (d.) NO. OF PARKING SPACE PROVIDED = 92 INCLUDES 4 HANDICAPPED.
4. BOUNDARY AND TOPOGRAPHIC SURVEY WAS PERFORMED BY JOHN MELLEMA ON DEC. 1992.
5. HORIZONTAL AND VERTICAL CONTROLS BASED ON MD. STATE COORDINATE SYSTEM NAD 83 CONTROL STA. 24C2 AND 18G1
6. STORMWATER MANAGEMENT FACILITY WILL BE UNDERGROUND TRENCH.
7. EXISTING UTILITIES BASED ON HOWARD COUNTY AS BUILT PLANS AND THE SURVEY BY JOHN MELLEMA.
8. ALL APARTMENTS WILL BE SPRINKLERED.

### SITE ANALYSIS

PARCEL C-1 SINGLE FAMILY ATTACHED		
	AREA, S.F.	% COVERAGE
SITE	230,040 S.F.	
BUILDING	34,204 S.F.	14.9 %
PARKING LOT	50,215 S.F.	21.8 %
OPEN SPACE	145,621 S.F.	63.3 %

OPEN SPACE COMPOSITION		
	AREA, S.F.	
AREA	145,621 S.F.	
AREA OF FLOODPLAIN	0	
AREA OF SWM FACILITY	0 - SWM FACILITY IS UNDERGROUND TRENCH	
NET AREA	145,621 S.F.	

PARCEL C-2 APARTMENTS		
	AREA, S.F.	% COVERAGE
SITE	142,136 S.F.	
BUILDING	17,200 S.F.	12.1 %
PARKING LOT	33,234 S.F.	23.4 %
OPEN SPACE	86,780 S.F.	63.05 %

- NOTE: BUILDING #4 WILL BE GARAGE. UNITS ONE CAR WILL PARK IN GARAGE AND ONE CAR WILL PARK IN DRIVEWAY.
- △ NOTE: THE STANDARD PLAN REVISION DATED AUGUST 30, 2022 IS CORRECTING AN ERROR FOUND ON THE PLAN. HISTORICALLY, BUILDING NUMBER 11 HAS ALWAYS HAD 12 UNITS, THROUGH THE PLAN WAS NOTED TO ONLY HAVE 11. THIS REVISION MEETS THE EXEMPTION REQUIREMENTS IN THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER SECTION 17.110.

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

*James M. [Signature]* 3/15/94  
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

*James [Signature]* 3/25/94  
PLANNING DIRECTOR

*Olivia [Signature]* 3/23/94  
CHIEF DIVISION OF LAND DEVELOPMENT & RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEM AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James [Signature]* 3/16/94  
DIRECTOR

*John [Signature]* 3/10/94  
CHIEF, BUREAU OF ENGINEERING

STATE OF MARYLAND  
PROFESSIONAL ENGINEER  
No. 38925

9/17/92  
REV. #2

FOR REVISION #2 ONLY

DES : MLL			
DRN : AVG			
CHK : MLL	S.F.G.	2	REVISE NUMBER OF UNITS FOR PARCEL C-2. UNDER GENERAL NOTE #1 IN THE ADDRESS CHART. REVISE THE UNIT NO. IN THE ADDRESS CHART FOR BUILDING NO. 11. ADDED A LIST ABOUT THE STANDARD PLAN REVISION & EXEMPTION.
DATE : 7-1-93	J.A.W.	1	REVISE FOOTPRINTS FOR BLDG. NO. 1 AND BLDG. NO. 4
BY NO.			REVISION DATE

**Woria Engineering Inc.**  
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELICOTT CITY, MD.  
410-465-0400



OWNER :  
WILDER BUILDING CORPORATION  
1514 NEAR THICKET LANE  
STEVENSON, MD. 21153

DEVELOPER :  
WILDER BUILDING CORPORATION  
1514 NEAR THICKET LANE  
STEVENSON, MD. 21153

COVER SHEET  
WILDER SUBDIVISION PARCEL C-1&C-2  
A RESUBDIVISION OF PARCEL C  
TAX MAP 17 PARCEL 711  
2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 1 OF 2

58793-96

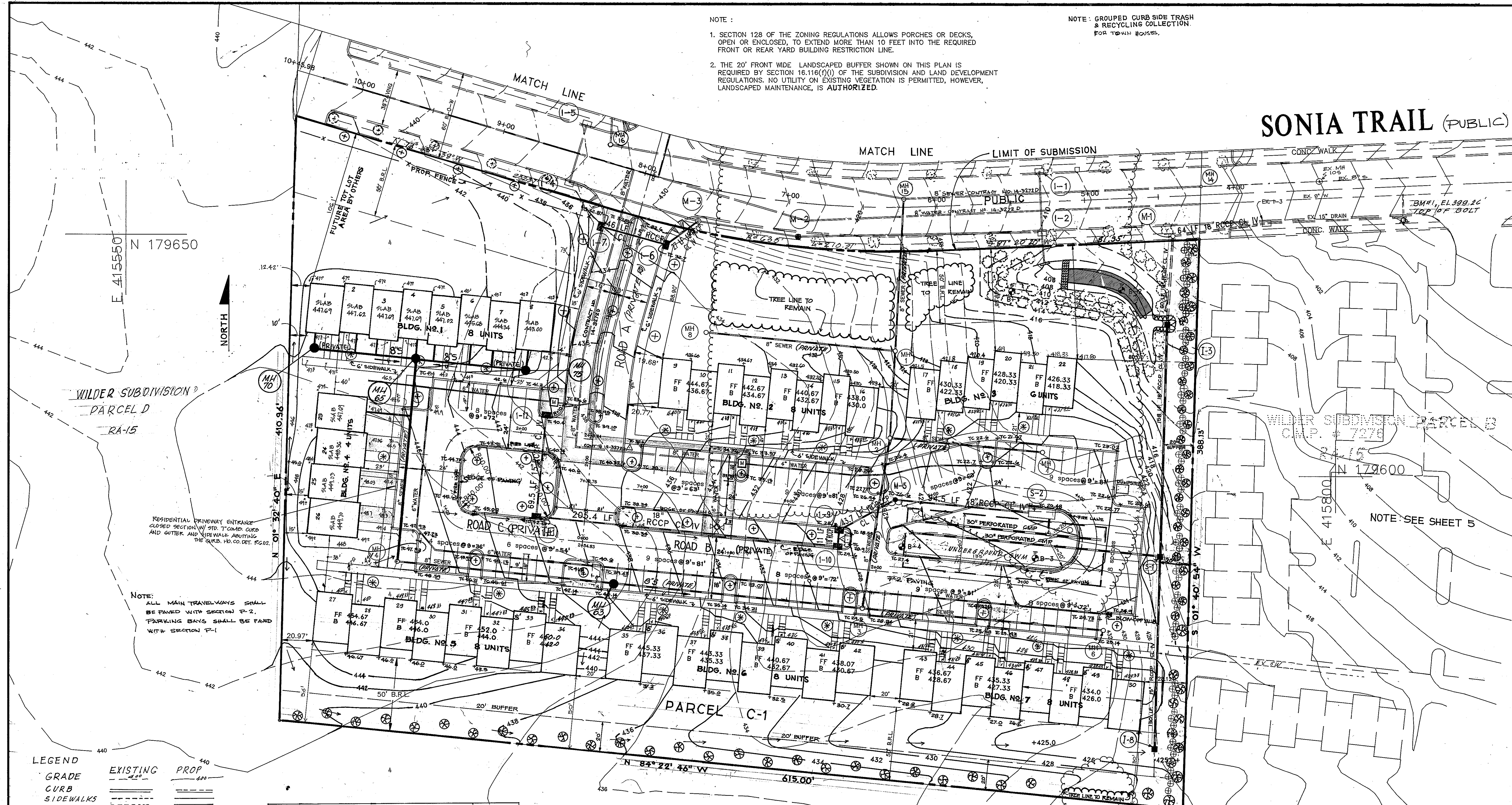


NOTE :

- SECTION 128 OF THE ZONING REGULATIONS ALLOWS PORCHES OR DECKS, OPEN OR ENCLOSED, TO EXTEND MORE THAN 10 FEET INTO THE REQUIRED FRONT OR REAR YARD BUILDING RESTRICTION LINE.
- THE 20' FRONT WIDE LANDSCAPED BUFFER SHOWN ON THIS PLAN IS REQUIRED BY SECTION 16.116(9)(1) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. NO UTILITY ON EXISTING VEGETATION IS PERMITTED, HOWEVER, LANDSCAPED MAINTENANCE, IS AUTHORIZED.

NOTE: GROUPED CURB SIDE TRASH & RECYCLING COLLECTION FOR TOWN HOUSES.

# SONIA TRAIL (PUBLIC)



NOTE:  
ALL MAIN TRAVELWAYS SHALL BE PAVED WITH SECTION P-2.  
PARKING BAYS SHALL BE PAVED WITH SECTION P-1

RESIDENTIAL DRIVEWAY ENTRANCE CLOSED SECTION W/ STD. 7" COMB CURB AND GUTTER AND SIDEWALK ADJOINING THE SUBS. HD. CO. DET. R&D.

LEGEND

GRADE	EXISTING	PROP.
CURB	EXISTING	PROP.
SIDEWALKS	EXISTING	PROP.
SPOT EL	422.00	422.00
△	PARKING LOT LIGHTING	

PLANT SCHEDULE

SYMBOLS	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
⊕	PYRUS CALLERYANA	RECIPIRE PEAR	48	2 1/2" CAL.
⊗	PINUS STROBUS	WHITE PINE	68	
⊕⊕	ILEX ALABRA 'COMACTA'	IN K. BERRY	57	2 1/2" - 3" CAL.
⊗⊗	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY MAPLE	73	2 1/2" CAL. 8 1/2"

LEONORA K. HORNES  
643/532 1197/X04  
PDR

NOTE: FOR BUILDING DIMENSIONS, SEE SHT 3 OF 12

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*Joyce M. [Signature]* 3/15/94  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 3/25/94  
PLANNING DIRECTOR DATE

APPROVED: DIVISION OF LAND DEVELOPMENT AND RESEARCH  
*Dina [Signature]* 3/23/94  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
*[Signature]* 3/11/94  
DIRECTOR DATE

*[Signature]* 3/10/94  
CHIEF, BUREAU OF ENGINEERING DATE

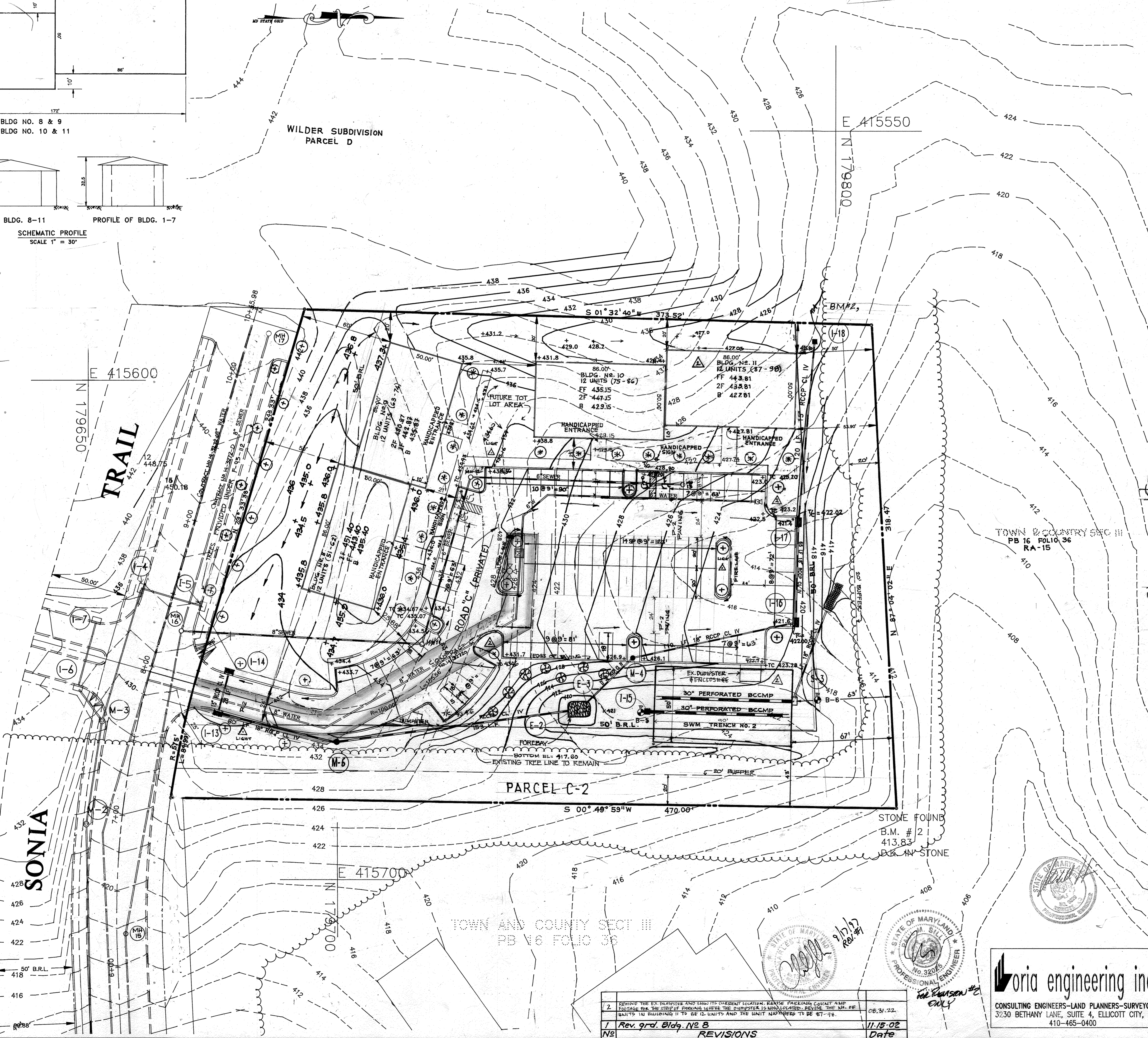
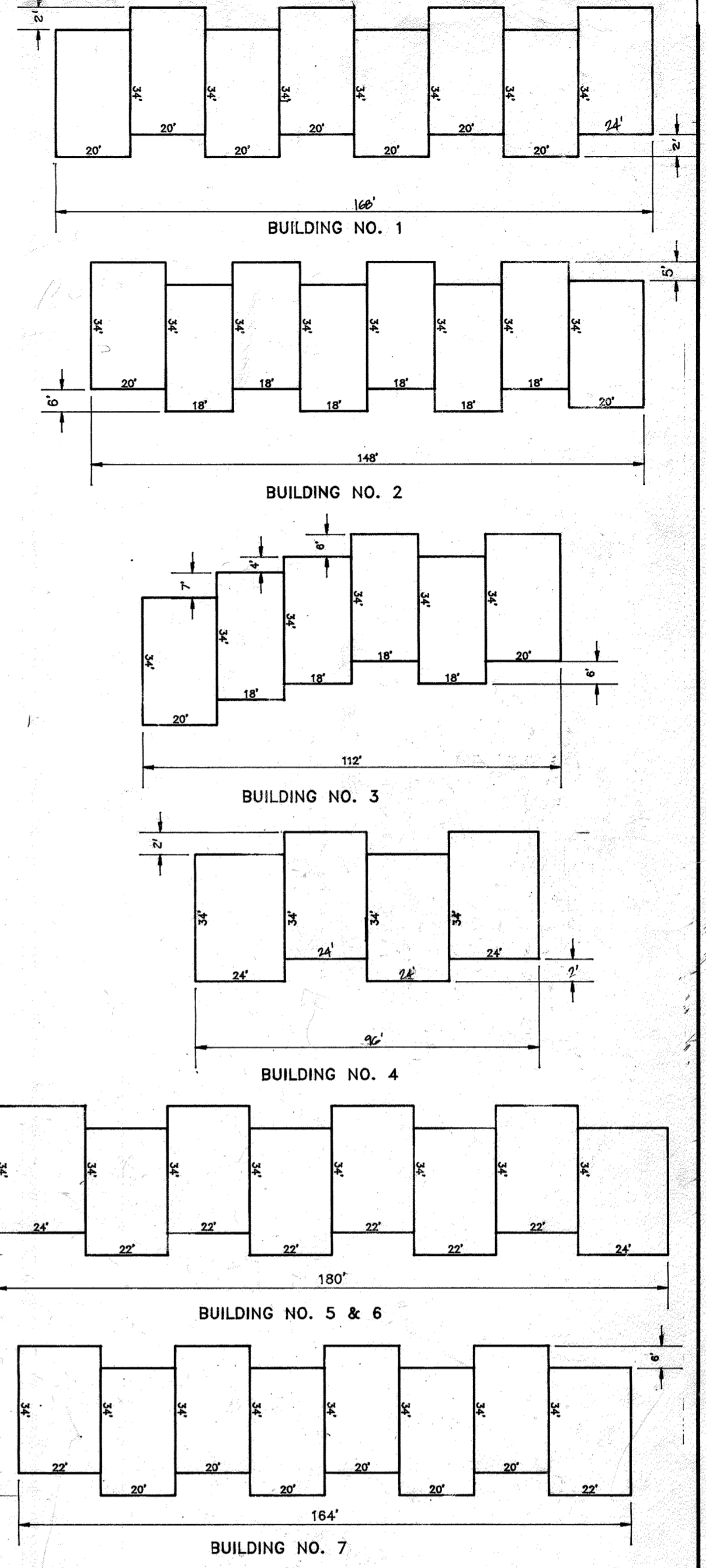
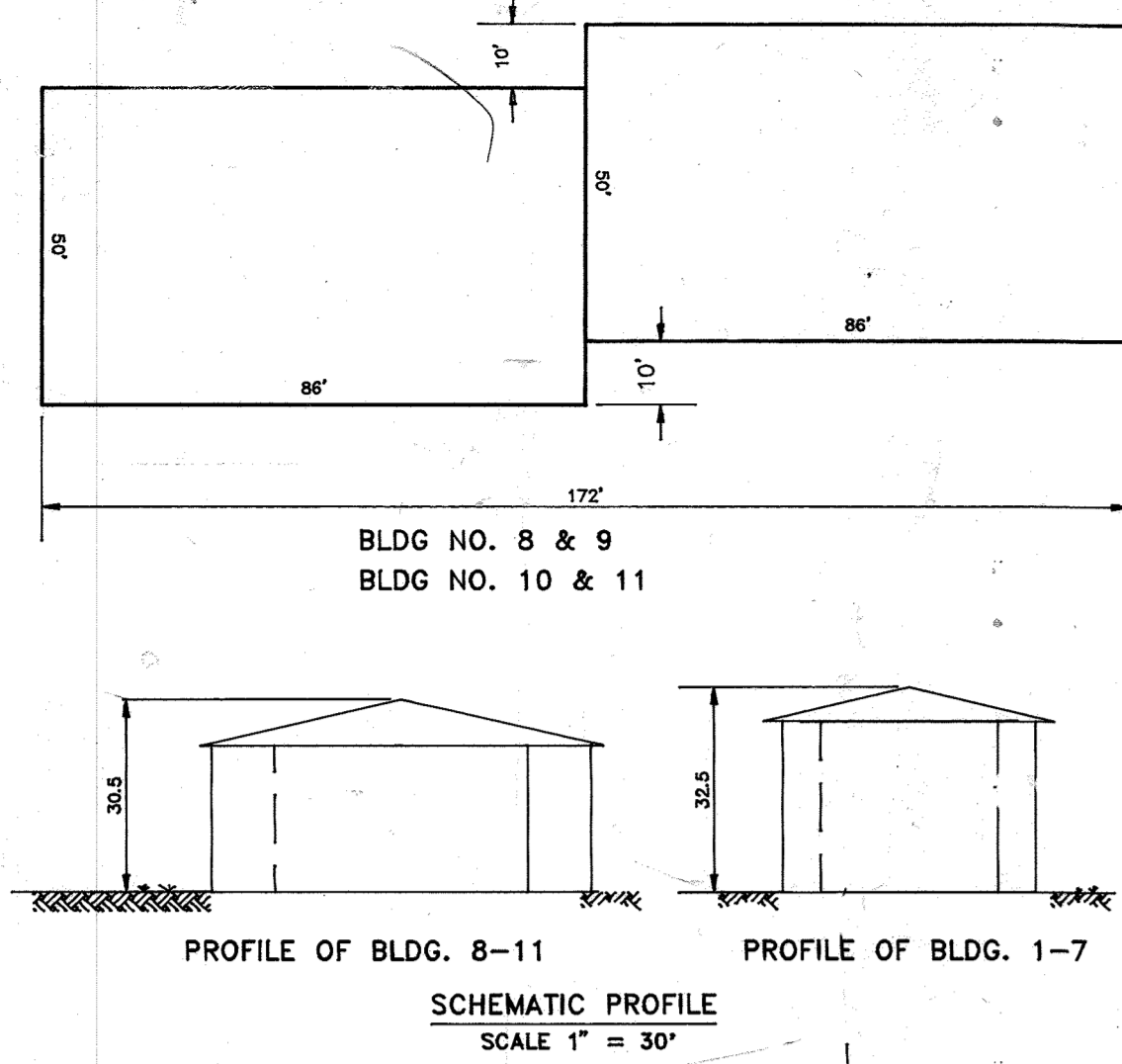


**loria engineering inc.**  
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.  
410-465-0400

J.A.L.	REVISE FOOTPRINT FOR BLDG. NO. 1 AND BLDG. NO. 4	9-11-97
BY	NO.	DESCRIPTION / REVISION
SUBDIVISION NAME: WILDER SUBDIVISION		
PARCEL C-1&C-2		
PLAT NO. BLOCK NO.	ZONE	TAX-ZONE ELECT. DIST. CENSUS TR.
11112	R-A-15	17 2nd. 6025
WATER CODE	SEWER CODE	
F05	M33600	
DESIGNED	SITE DEVELOPMENT PLAN	
MLL	WILDER SUBDIVISION PARCEL C-1&C-2, A RESUBDIVISION OF PARCEL C	
DRAWN	GUS	
CHECKED	MLL	
DATE	OWNER-DEVELOPER: WILDER BUILDING CORPORATION 1514 NEAR THickett LANE STEVENSON, MD. 21152	
3-30-93		
SCALE	1" = 30'	
DWG NO.	2 OF 12	
JOB NO.		
FILE		

NOTE: SEE SHEET 5





J.A.U. 1 REVISE FOOTPRINT BLDG. NO. 1 AND BLDG. NO. 4 9-17-97  
E.T. NO. REVISION DATE

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

*Joyce M. Anderson*  
COUNTY HEALTH OFFICER 3/15/94  
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*James M. Smith*  
PLANNING DIRECTOR 3/25/94  
DATE

*Olga Summery*  
CHIEF, DIVISION OF LAND DEVELOPMENT  
AND RESEARCH 3/23/94  
DATE

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

*James P. Lee*  
DIRECTOR 3/16/94  
DATE

*Paul D. Egan*  
CHIEF, BUREAU OF ENGINEERING 3/10/94  
DATE

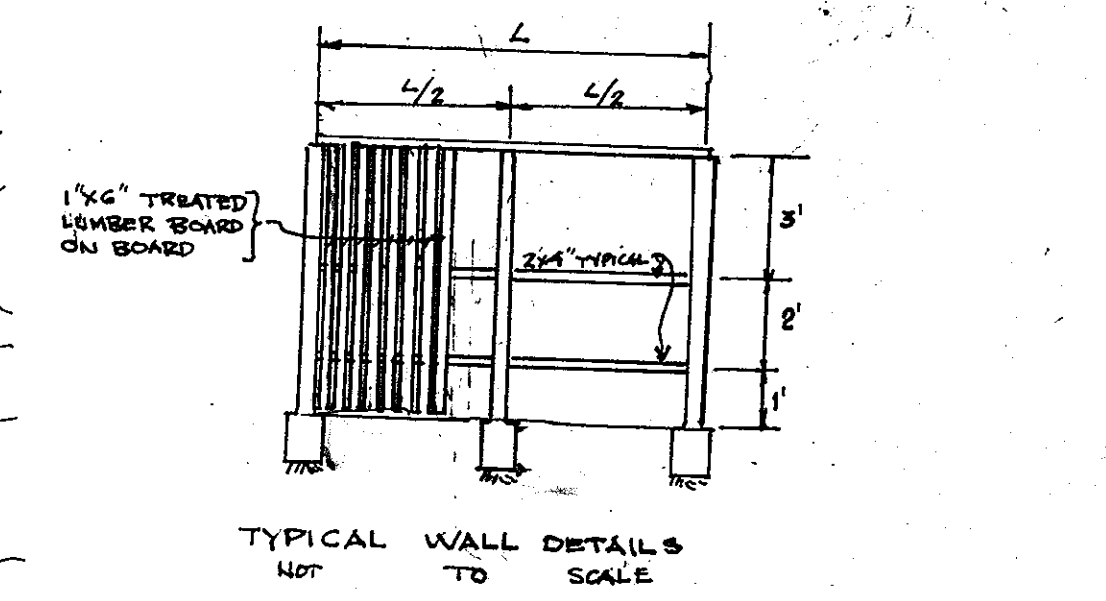
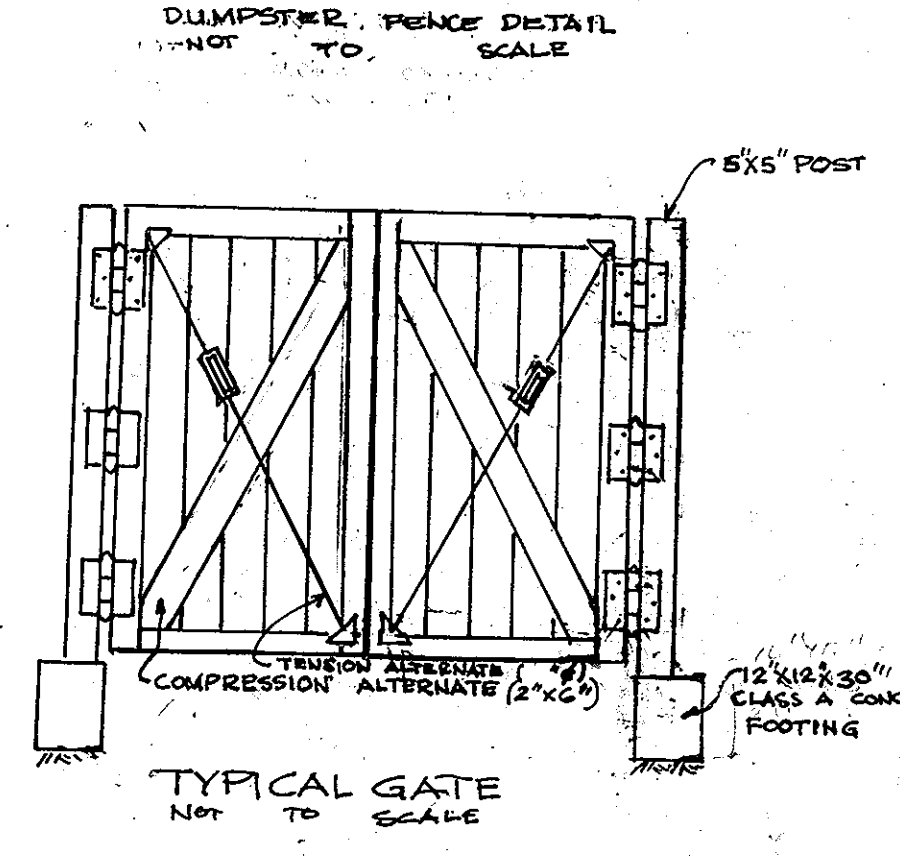
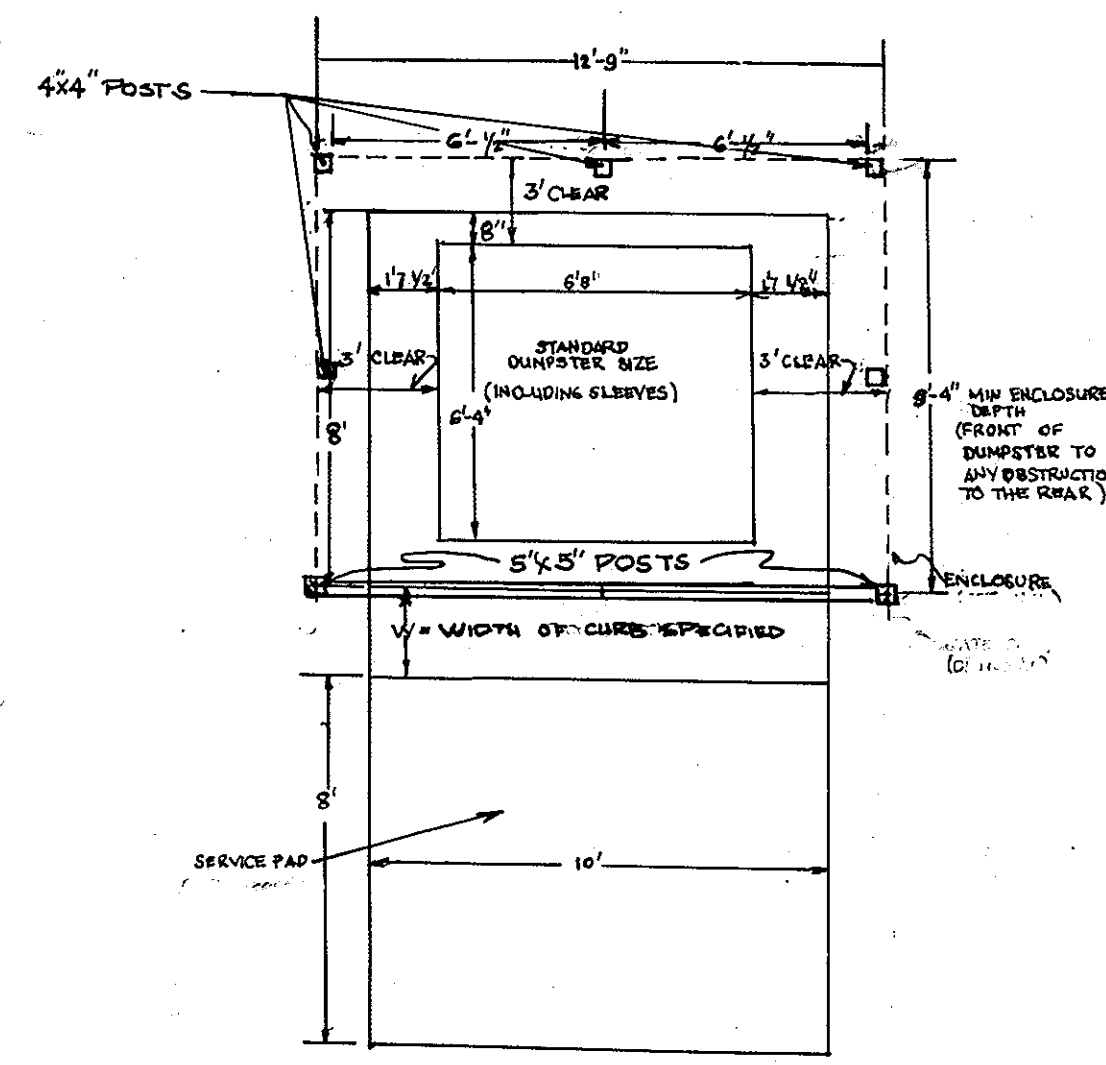
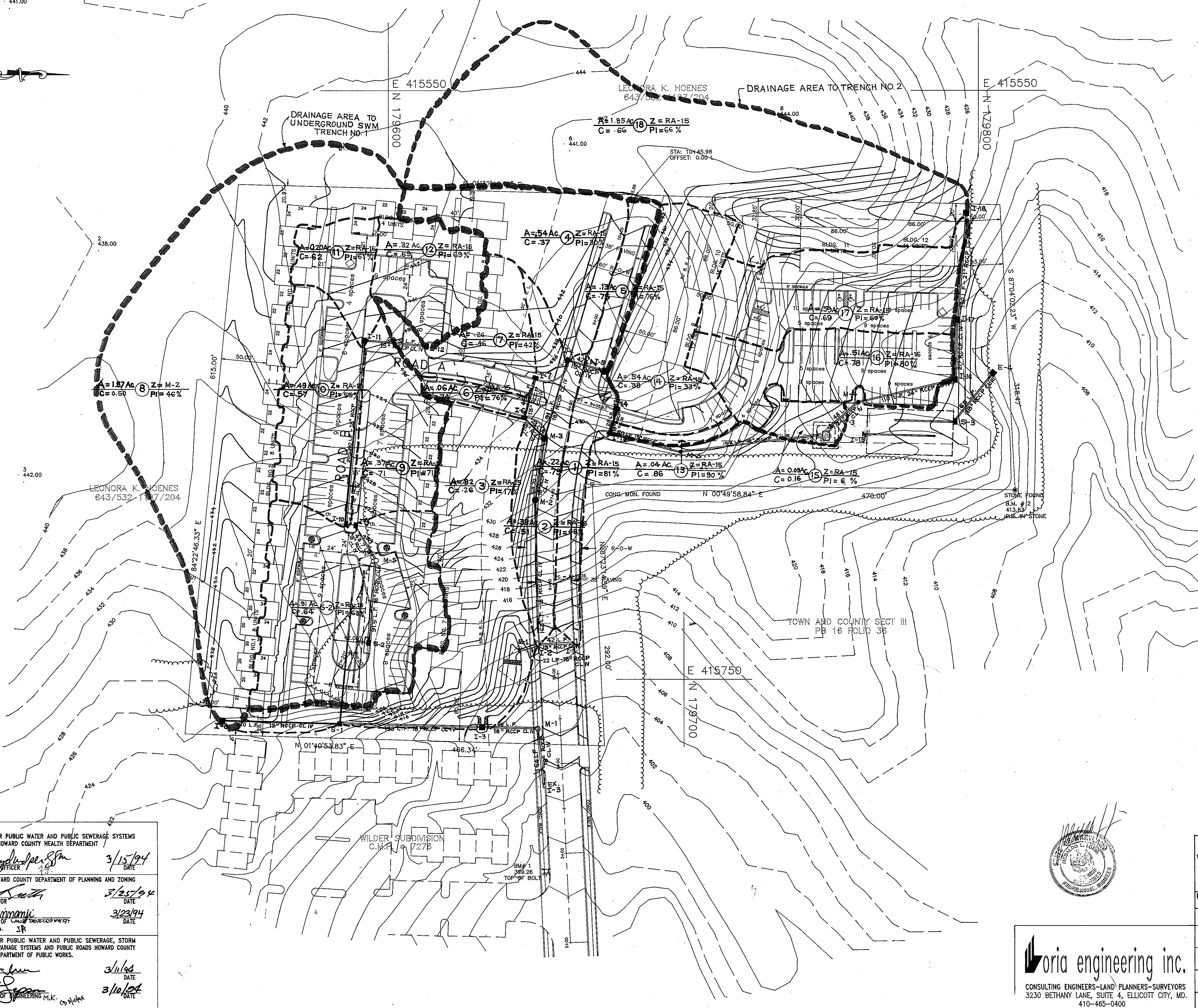
SUBDIVISION NAME		SECTION/AREA	LOT NO.
WILDER SUBDIVISION			
PARCEL C-1&C-2			
PLAT NO. BLOCK NO.	ZONE	TAX-ZONE	ELECT. DIST.
1112	R-A-15	17	2ND
WATER CODE		SEWER CODE	
F03		1453600	
DESIGNED	SITE DEVELOPMENT PLAN		SCALE
MLL	WILDER SUBDIVISION PARCEL C-1&C-2		1" = 30'
DRAWN	A RESUBDIVISION OF PARCEL C		DWG NO.
GUS			3 of 12
CHECKED	OWNER-DEVELOPER:		JOB NO.
MLL	WILDER BUILDING CORPORATION		FILE
DATE	1514 NEAR THICKET LANE		
7-1-93	STEVENSON, MD. 21152		

2	REMOVE THE EX. DUMPSTER AND SHOW ITS EXISTENT LOCATION. LEAVE PAVEMENT COUNT AND EXISTING FOR THE STOP OF PARKING WHERE THE DUMPSTER IS NOW LOCATED. REVISE THE NO. OF UNITS IN BUILDING 11 TO BE 12 UNITS AND THE UNIT NUMBERS TO BE 87-98.	08.31.22
1	Rev. 9rd. Bldg. No 8	11.15.02
N2	REVISIONS	Date

**loria engineering inc.**  
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.  
410-465-0400



441.00



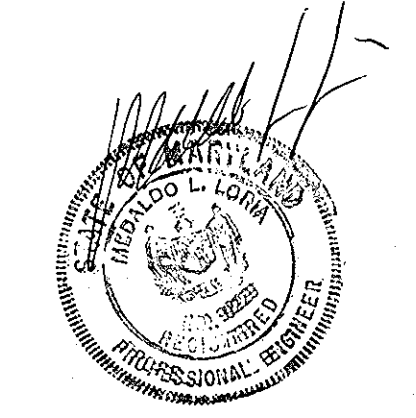
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*Joyce M. [Signature]* 3/15/94  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 3/25/94  
PLANNING DIRECTOR DATE

*[Signature]* 3/23/94  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM  
DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY  
DEPARTMENT OF PUBLIC WORKS.  
*[Signature]* 3/16/94  
DIRECTOR DATE

*[Signature]* 3/10/94  
CHIEF, BUREAU OF ENGINEERING M.K. DATE



SUBDIVISION NAME		SECTION/AREA	LOT NO.
WILDER SUBDIVISION			
PARCEL C-17C-2			
PLAT NO. BLOCK NO.	ZONE	TAX-ZONE	ELECT. DIST
11112	R-A-15	17	2ND
WATER CODE		SEWER CODE	
F03		1453600	
DESIGNED	DRAINAGE AREA MAP		SCALE
MLL	WILDER SUBDIVISION PARCEL C-17C-2		1" = 50'
DRAWN	A RESUBDIVISION OF PARCEL C		SHEET NO.
AVG			5 OF 12
CHECKED			
MLL			
DATE	WILDER BUILDING CORPORATION		
7.1.93	1514 NEAR THICKEY LANE		
	STEVENSON, MD. 21152		

**loria engineering inc.**  
CONSULTING ENGINEERS—LAND PLANNERS—SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.  
410-465-0400



Boring # B-3 Job # 92222A						
SAMPLER						
Datum Hammer Wt. 140 Lbs. Hole Diameter 6" Foreman W. Stephens						
Surf. Elev. 12-8-92 Hammer Drop 30 In. Rock Core Dia. Inspector						
Date Started 12-8-92 Pipe Size 2.0 In. Boring Method HSA Date Completed 12-8-92						
1	0.0	D	3-2-2	1	14"	Topsoil
	2.5					Brown moist soft fine sandy silt with trace of rock fragments and mica (ML - Loom)
	5	D	13-24-21	2	16"	
	7.5					Brown moist loose sand with some rock fragments, trace of mica (GM - Loomy Sand)
	10	D	51/2"	3	3"	Water on Tip Spoon
	15	D	39-51/8"	4	10"	
	20	D	18-29-51/2"	5	15"	
	21.5					Bottom of boring at 21.5'

Boring # B-4 Job # 92222A						
SAMPLER						
Datum Hammer Wt. 140 Lbs. Hole Diameter 6" Foreman W. Stephens						
Surf. Elev. 12-8-92 Hammer Drop 30 In. Rock Core Dia. Inspector						
Date Started 12-8-92 Pipe Size 2.0 In. Boring Method HSA Date Completed 12-8-92						
1	0.0	D	2-3-6	1	7"	Topsoil
	2.5					Brown moist medium stiff sandy silt with trace of mica, some roots, root nodules (ML - Loom)
	5	D	5-5-5	2	14"	
	7.5					Brown moist loose sand with some silt, trace of rock fragments (GM - Sand)
	10	D	9-11-13	3	16"	
	15	D	18-25-25	4	16"	Water encountered at 20.0' on Rod
	17.5					Brown moist very stiff micaceous sandy silt with trace of rock fragments (GM - Silty Sand)
	20	D	11-12-11	5	16"	
	21.5					Bottom of boring at 21.5'

Boring # B-5 Job # 92222A						
SAMPLER						
Datum Hammer Wt. 140 Lbs. Hole Diameter 6" Foreman W. Stephens						
Surf. Elev. 12-8-92 Hammer Drop 30 In. Rock Core Dia. Inspector						
Date Started 12-8-92 Pipe Size 2.0 In. Boring Method HSA Date Completed 12-8-92						
1	0.0	D	2-3-4	1	12"	Topsoil
	2.5					Brown moist medium stiff silt with trace of clay
	5	D	6-9-9	2	14"	
	7.5					Brown moist very stiff micaceous sandy silt (ML - Loom)
	10	D	5-5-7	3	16"	
	15	D	13-15-15	4	16"	No water
	20	D	10-12-16	5	16"	
	21.5					Bottom of boring at 21.5'

Boring # B-6 Job # 92222A						
SAMPLER						
Datum Hammer Wt. 140 Lbs. Hole Diameter 6" Foreman W. Stephens						
Surf. Elev. 12-8-92 Hammer Drop 30 In. Rock Core Dia. Inspector						
Date Started 12-8-92 Pipe Size 2.0 In. Boring Method HSA Date Completed 12-8-92						
1	0.0	D	2-3-3	1	17"	Topsoil
	2.5					Brown moist medium stiff silt with trace of fine sand, trace of mica
	5	D	11-9-11	2	16"	
	7.5					Brown moist very stiff micaceous sandy silt with some mica (ML - Loom)
	10	D	10-15-11	3	16"	
	15	D	13-16-23	4	15"	No water
	20	D	51/2"	5	1"	
	20.1					Bottom of boring at 20.1'

SAMPLER TYPE: DRIVEN SPLIT SPOON  
UNLESS OTHERWISE NOTED  
D-DISINTEGRATED  
I-INTACT  
U-UNDISTURBED  
L-LOST  
CONTINUOUS FLIGHT AUGER  
RO-ROCK CORE

SAMPLE CONDITIONS: D-DISINTEGRATED  
I-INTACT  
U-UNDISTURBED  
L-LOST

GROUND WATER DEPTH: AT COMPLETION 0.0 FT.  
AFTER 24 HRS. 0.0 FT.

BORING METHOD: HSA-HOLLOW STEM AUGERS  
CFA-CONTINUOUS FLIGHT AUGERS  
DC-DRIVING CASING  
MD-MUD DRILLING

STANDARD PENETRATION TEST-DRAWING 2" OD SAMPLER 1" WITH 140# HAMMER FALLING 30"; COUNT MADE AT 6" INTERVALS

SAMPLER TYPE: DRIVEN SPLIT SPOON  
UNLESS OTHERWISE NOTED  
D-DISINTEGRATED  
I-INTACT  
U-UNDISTURBED  
L-LOST  
CONTINUOUS FLIGHT AUGER  
RO-ROCK CORE

SAMPLE CONDITIONS: D-DISINTEGRATED  
I-INTACT  
U-UNDISTURBED  
L-LOST

GROUND WATER DEPTH: AT COMPLETION 15.0 FT.  
AFTER 24 HRS. 14.0 FT.

BORING METHOD: HSA-HOLLOW STEM AUGERS  
CFA-CONTINUOUS FLIGHT AUGERS  
DC-DRIVING CASING  
MD-MUD DRILLING

STANDARD PENETRATION TEST-DRAWING 2" OD SAMPLER 1" WITH 140# HAMMER FALLING 30"; COUNT MADE AT 6" INTERVALS

SAMPLER TYPE: DRIVEN SPLIT SPOON  
UNLESS OTHERWISE NOTED  
D-DISINTEGRATED  
I-INTACT  
U-UNDISTURBED  
L-LOST  
CONTINUOUS FLIGHT AUGER  
RO-ROCK CORE

SAMPLE CONDITIONS: D-DISINTEGRATED  
I-INTACT  
U-UNDISTURBED  
L-LOST

GROUND WATER DEPTH: AT COMPLETION 0.0 FT.  
AFTER 24 HRS. 0.0 FT.

BORING METHOD: HSA-HOLLOW STEM AUGERS  
CFA-CONTINUOUS FLIGHT AUGERS  
DC-DRIVING CASING  
MD-MUD DRILLING

STANDARD PENETRATION TEST-DRAWING 2" OD SAMPLER 1" WITH 140# HAMMER FALLING 30"; COUNT MADE AT 6" INTERVALS

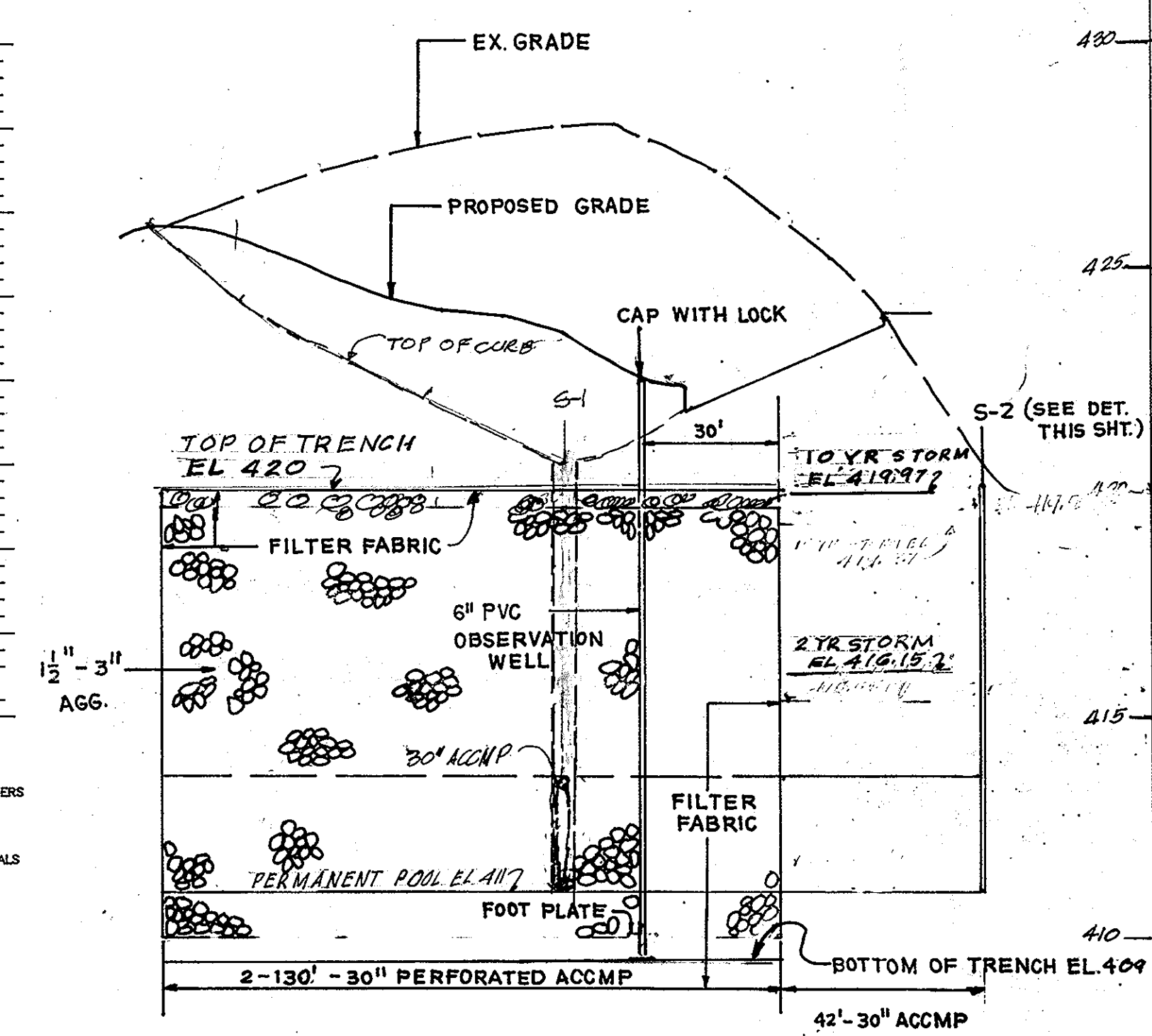
SAMPLER TYPE: DRIVEN SPLIT SPOON  
UNLESS OTHERWISE NOTED  
D-DISINTEGRATED  
I-INTACT  
U-UNDISTURBED  
L-LOST  
CONTINUOUS FLIGHT AUGER  
RO-ROCK CORE

SAMPLE CONDITIONS: D-DISINTEGRATED  
I-INTACT  
U-UNDISTURBED  
L-LOST

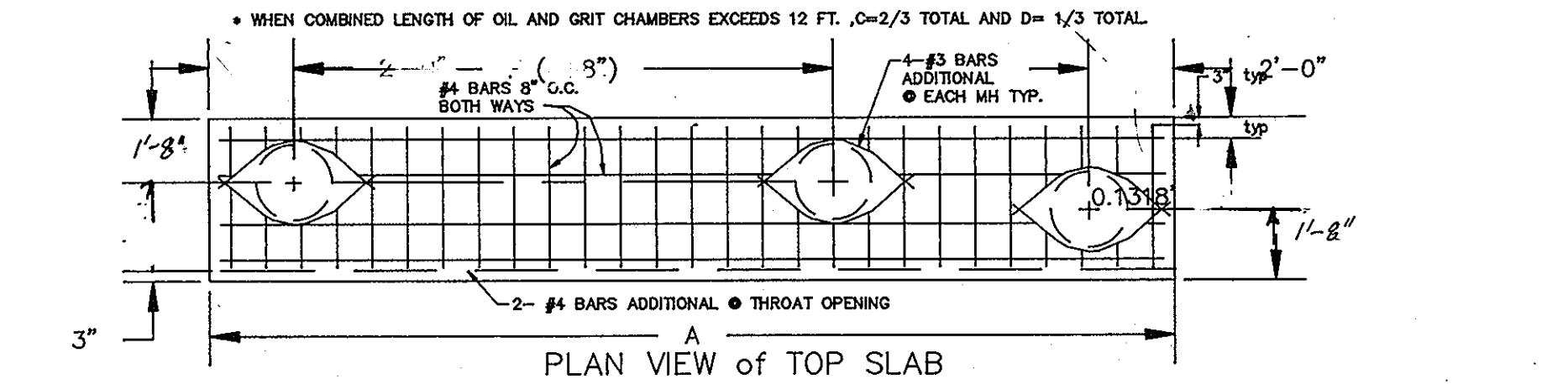
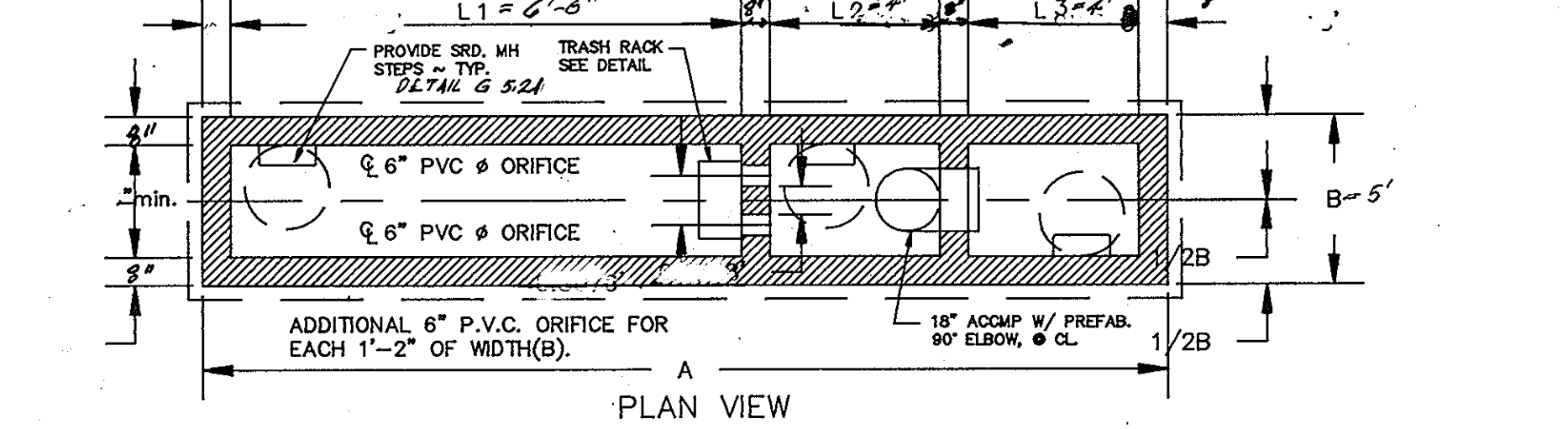
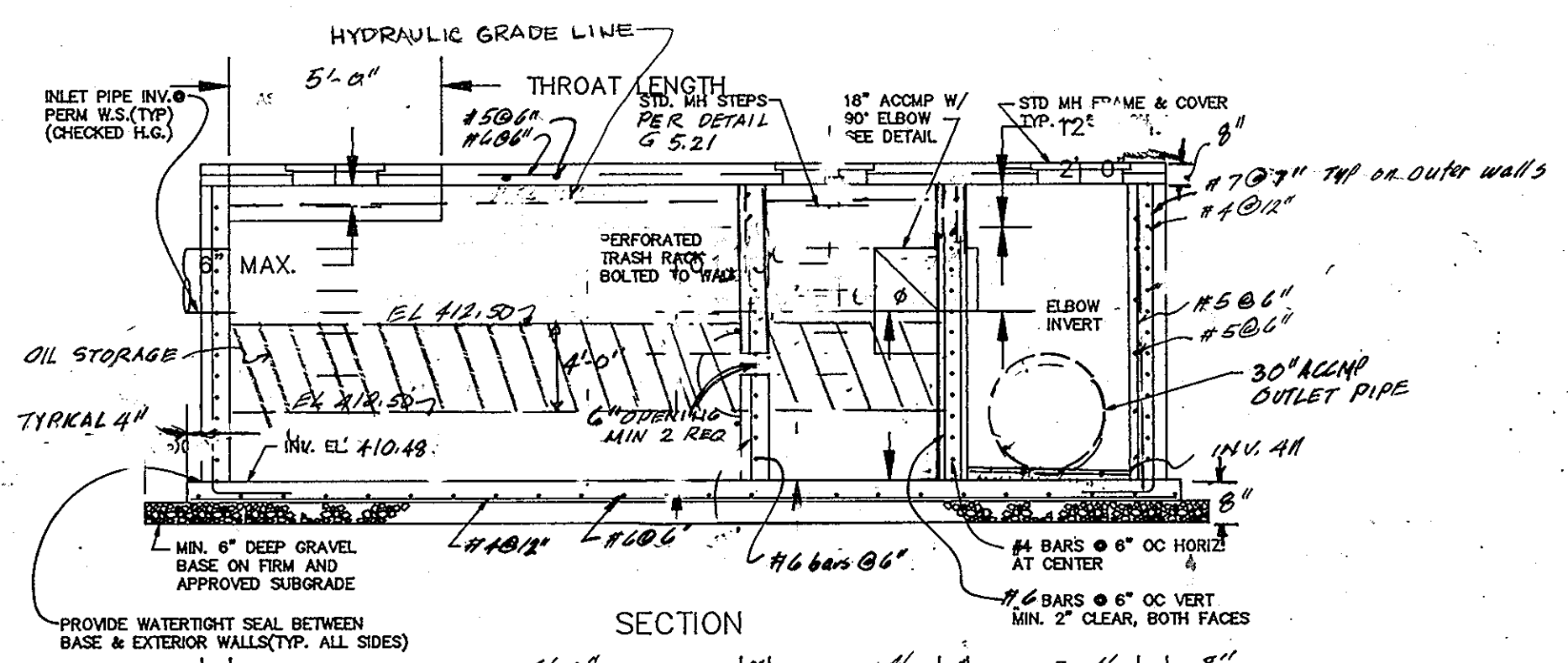
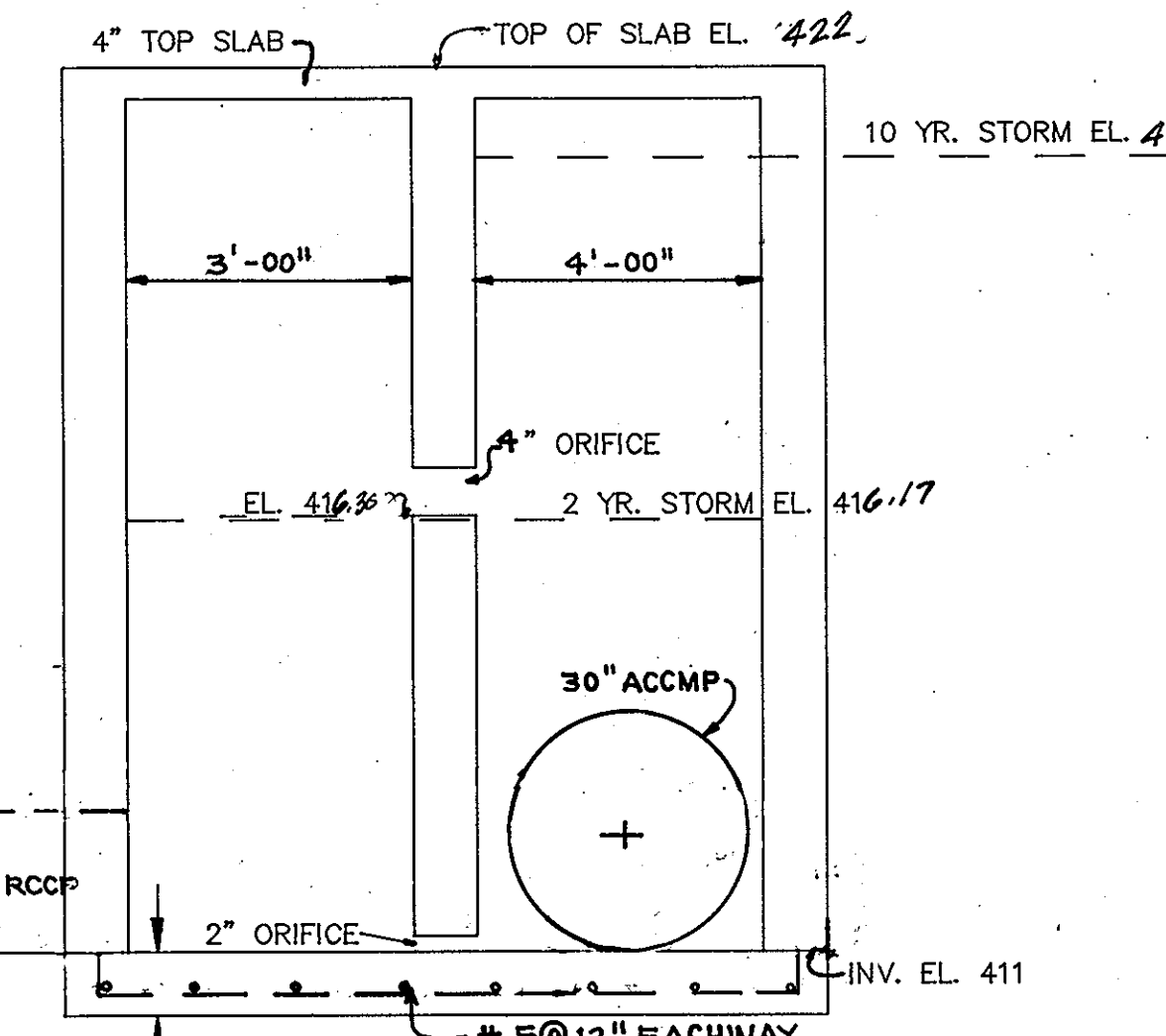
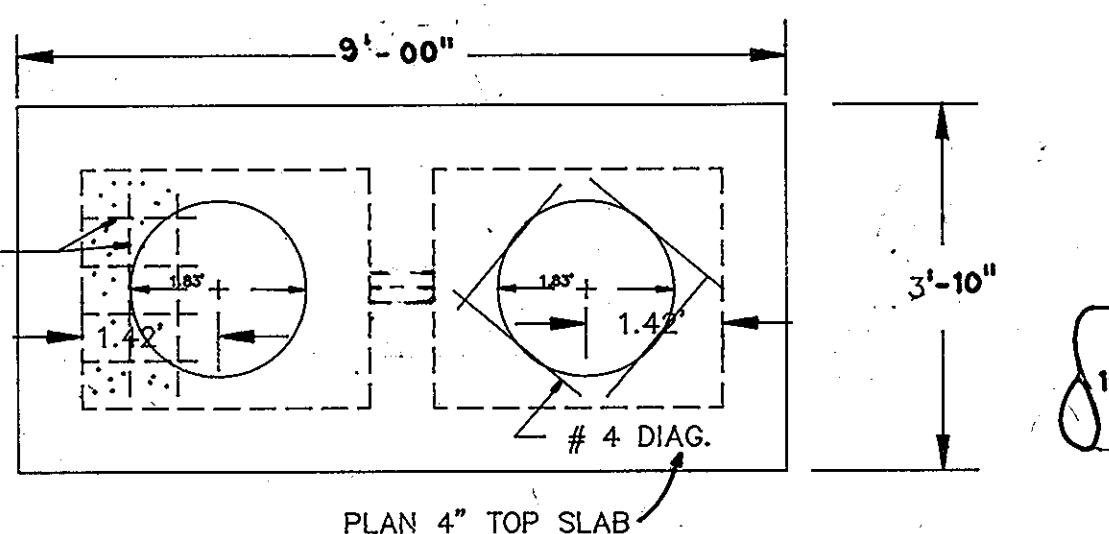
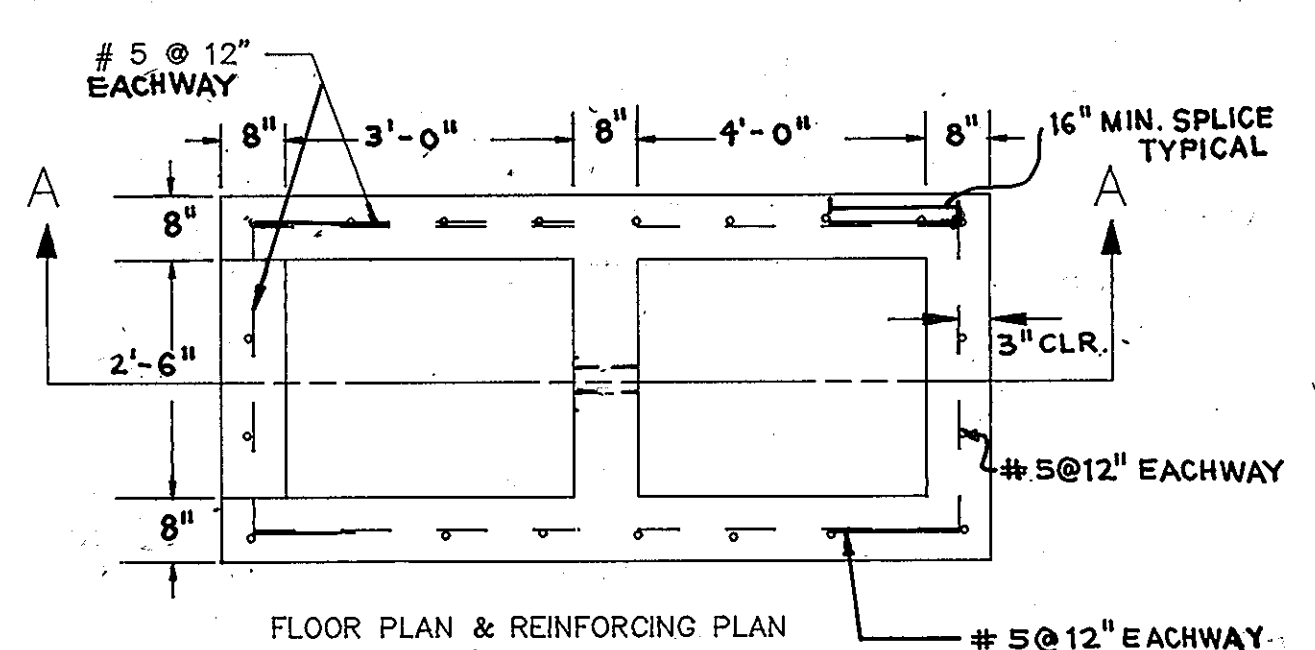
GROUND WATER DEPTH: AT COMPLETION 0.0 FT.  
AFTER 24 HRS. 0.0 FT.

BORING METHOD: HSA-HOLLOW STEM AUGERS  
CFA-CONTINUOUS FLIGHT AUGERS  
DC-DRIVING CASING  
MD-MUD DRILLING

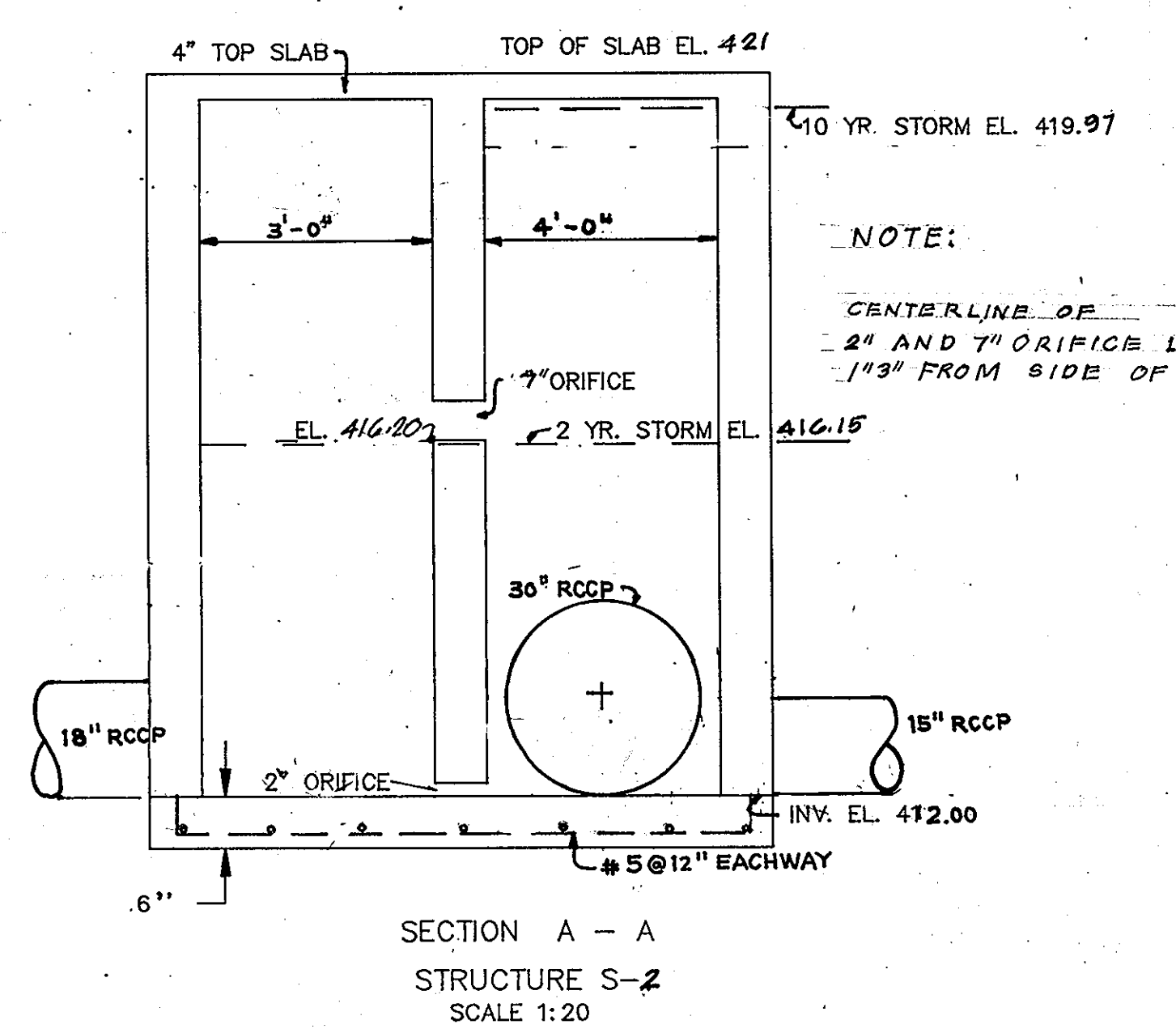
STANDARD PENETRATION TEST-DRAWING 2" OD SAMPLER 1" WITH 140# HAMMER FALLING 30"; COUNT MADE AT 6" INTERVALS



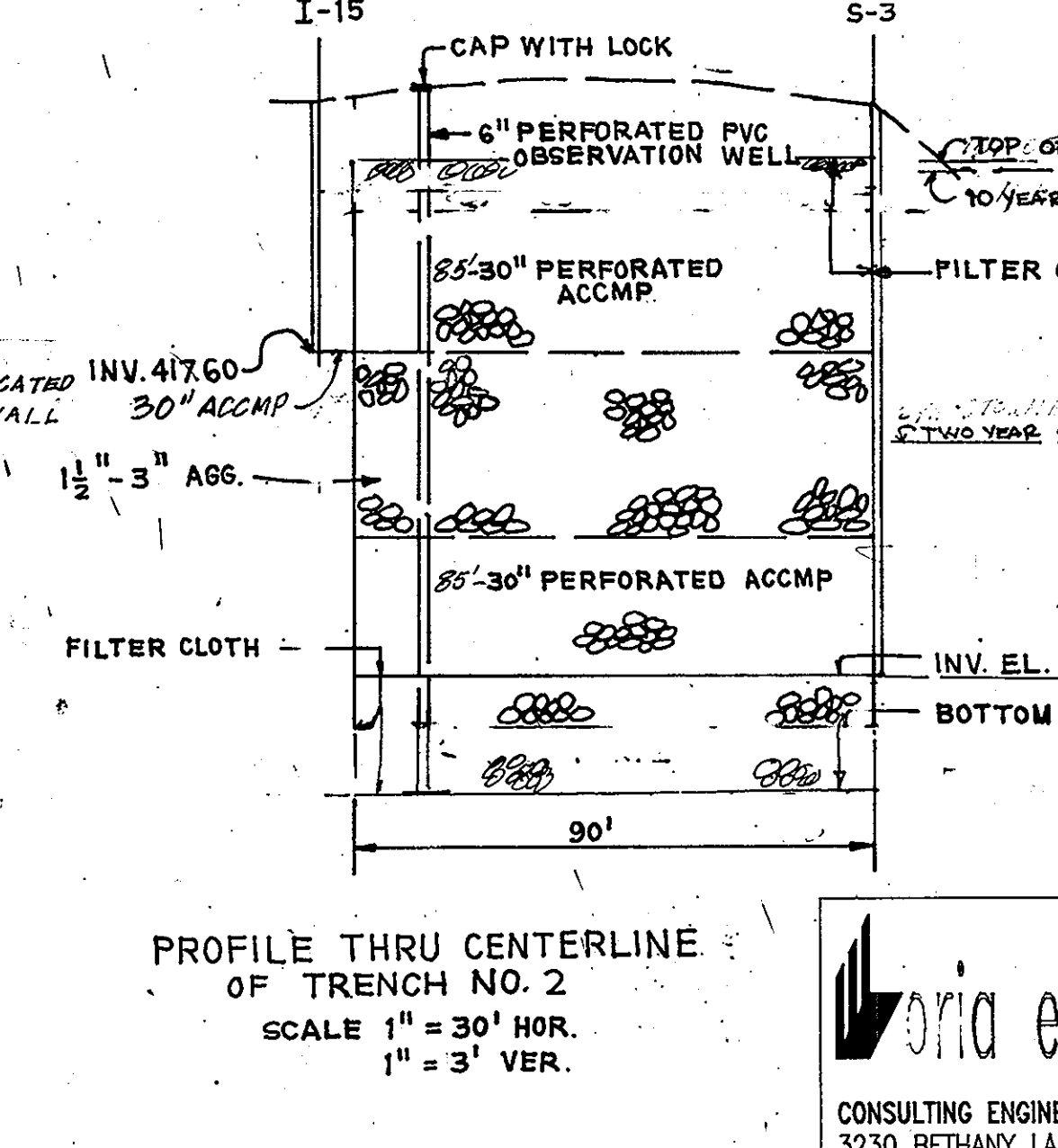
PROFILE THRU CENTERLINE OF TRENCH NO. 1  
SCALE 1" = 30' HOR.  
1" = 3' VER.



WATER QUALITY CONTROL STRUCTURE S-1  
SCALE: 1/4" = 1'-0"



SECTION A - A  
STRUCTURE S-2  
SCALE 1:20



PROFILE THRU CENTERLINE OF TRENCH NO. 2  
SCALE 1" = 30' HOR.  
1" = 3' VER.

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

*Joyce M. Boyd* COUNTY HEALTH OFFICER 3/15/94 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*James Smith* PLANNING DIRECTOR 3/25/94 DATE

*Uma Summery* CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH 3/23/94 DATE

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

*James P. Schum* DIRECTOR 3/16/94 DATE

*William S. Johnson* CHIEF, BUREAU OF ENGINEERING 3/10/94 DATE

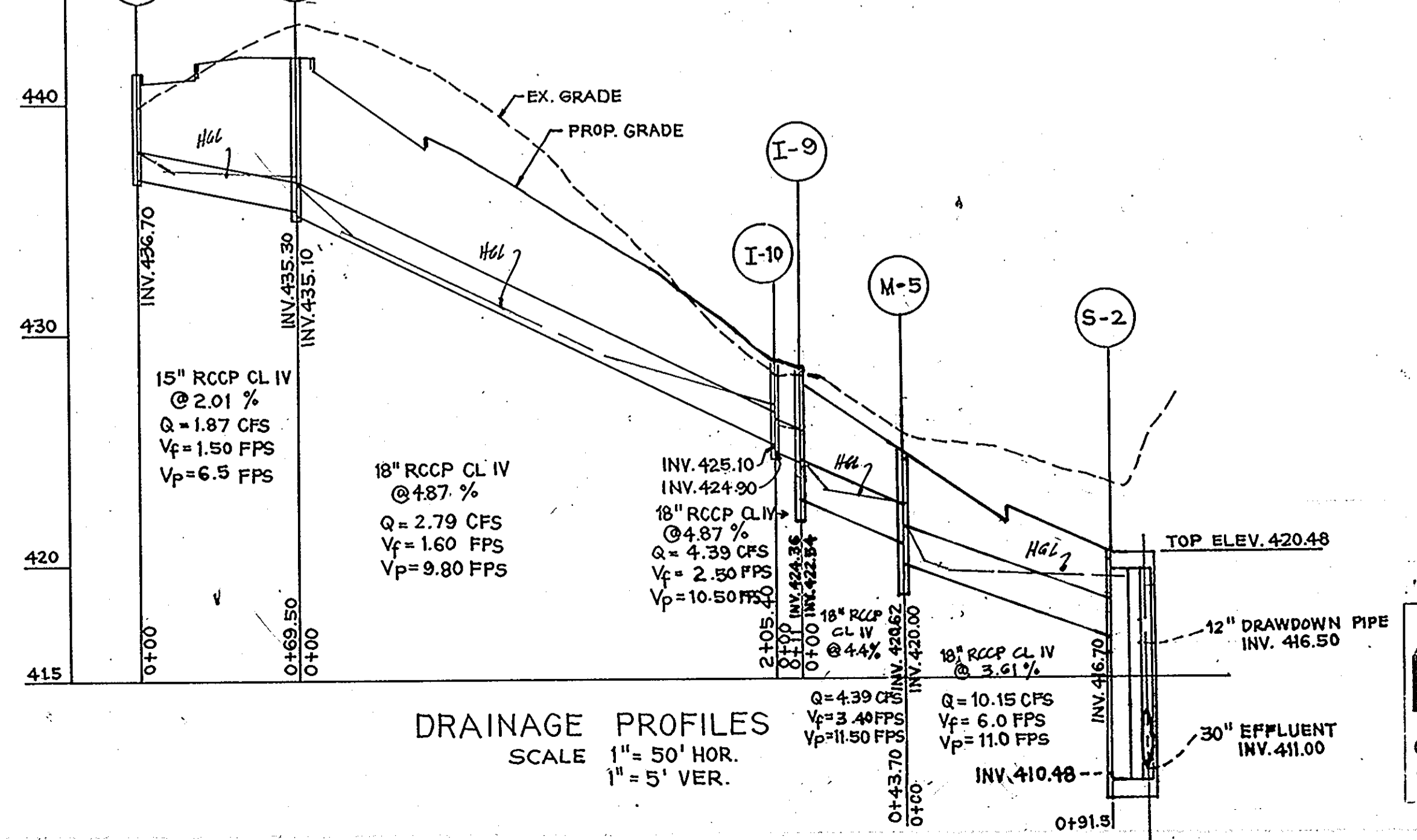
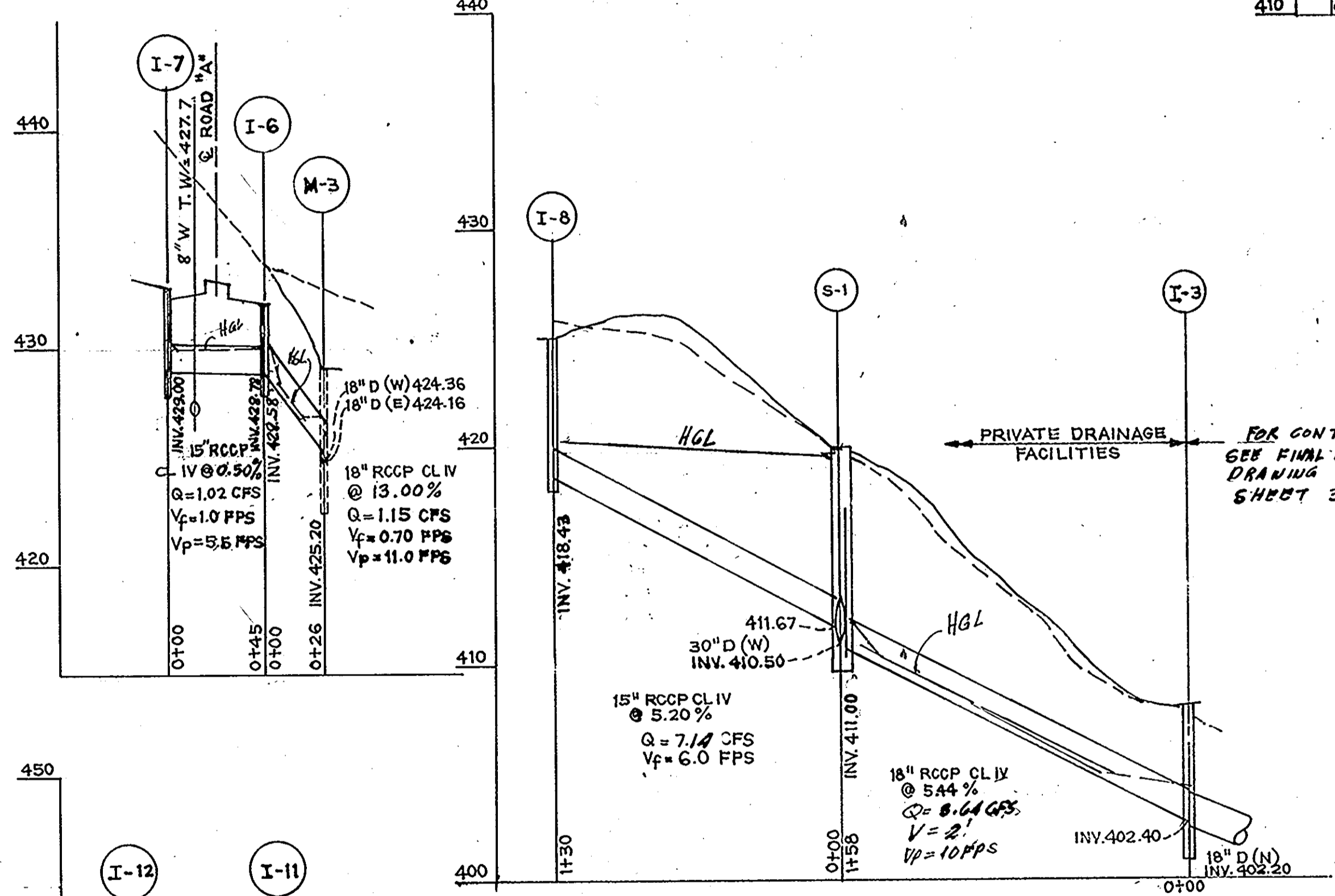
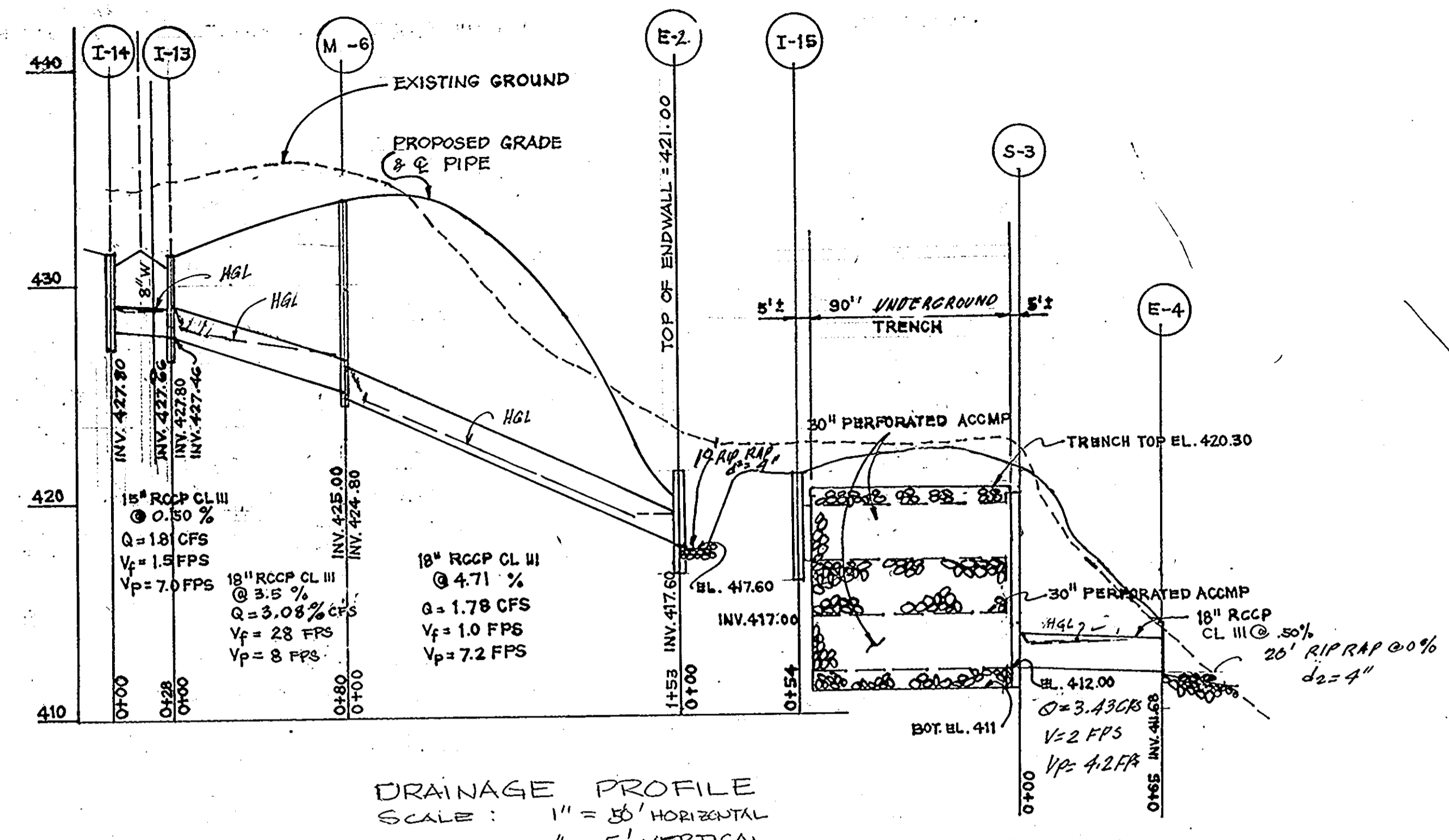
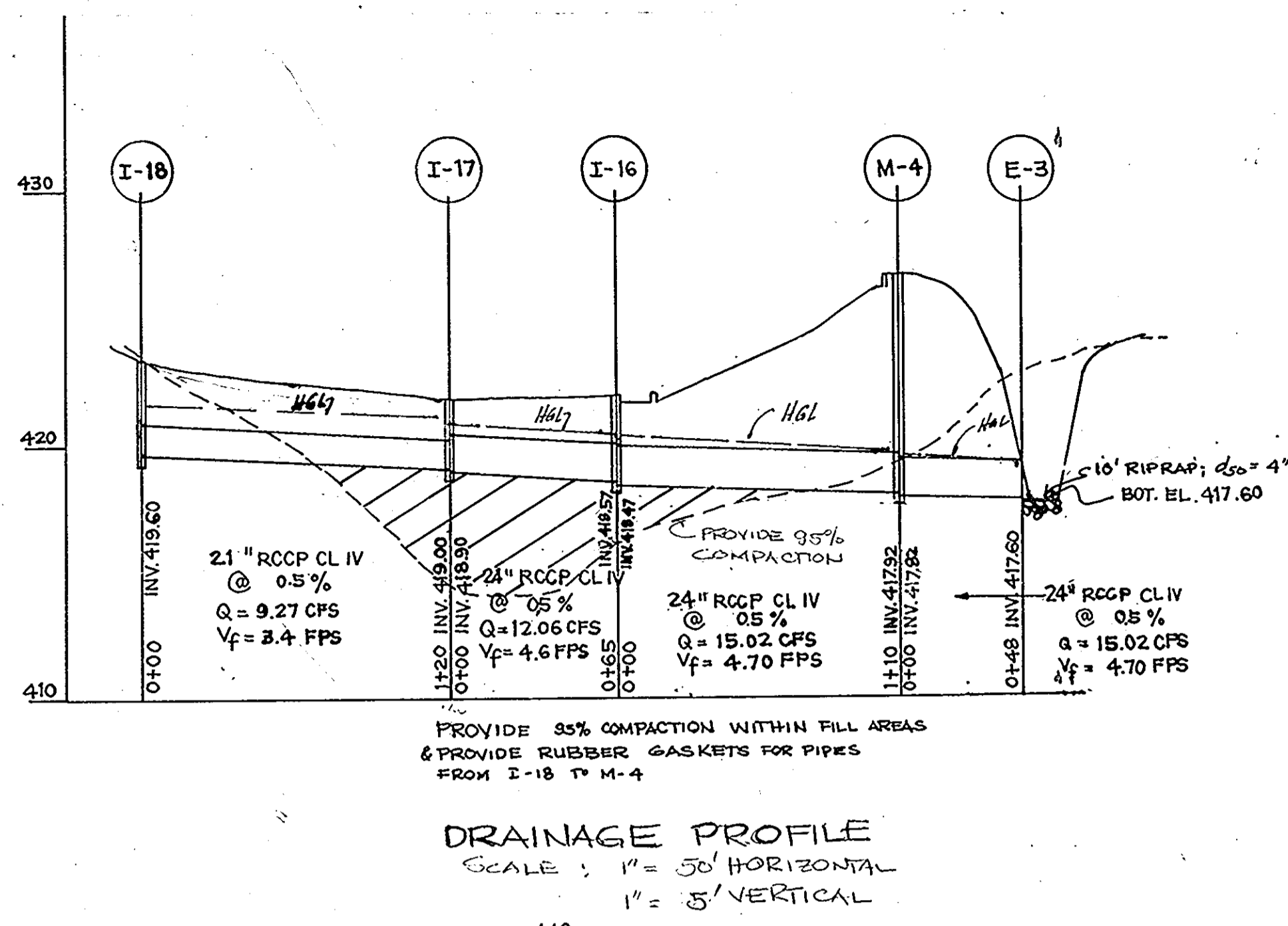
M.K. CD/10/94

SUBDIVISION NAME	SECTION/AREA	LOT NO.
WILDER SUBDIVISION	PARCEL C-1&C-2, C-3	
PLAT NO., BLOCK NO., ZONE	TAX-ZONE	ELECT. DIST
11112, R-A-15	17	2ND
CENSUS TR	6026	
WATER CODE	F03	
SEWER CODE	1453600	
DESIGNED	STORMWATER MANAGEMENT DETAILS	
MLL	AS SHOWN	
DRAWN	WILDER SUBDIVISION PARCEL C-1&C-2, A RESUBDIVISION OF PARCEL C	
CHECKED	6 OF 12	
MLL	JOB NO.	
DATE	OWNER-DEVELOPER:	
7-1-93	WILDER BUILDING CORPORATION 1514 NEAR THICKET LANE STEVENSON, MD. 21152	
	FILE	

**loria engineering inc.**  
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.  
410-465-0400

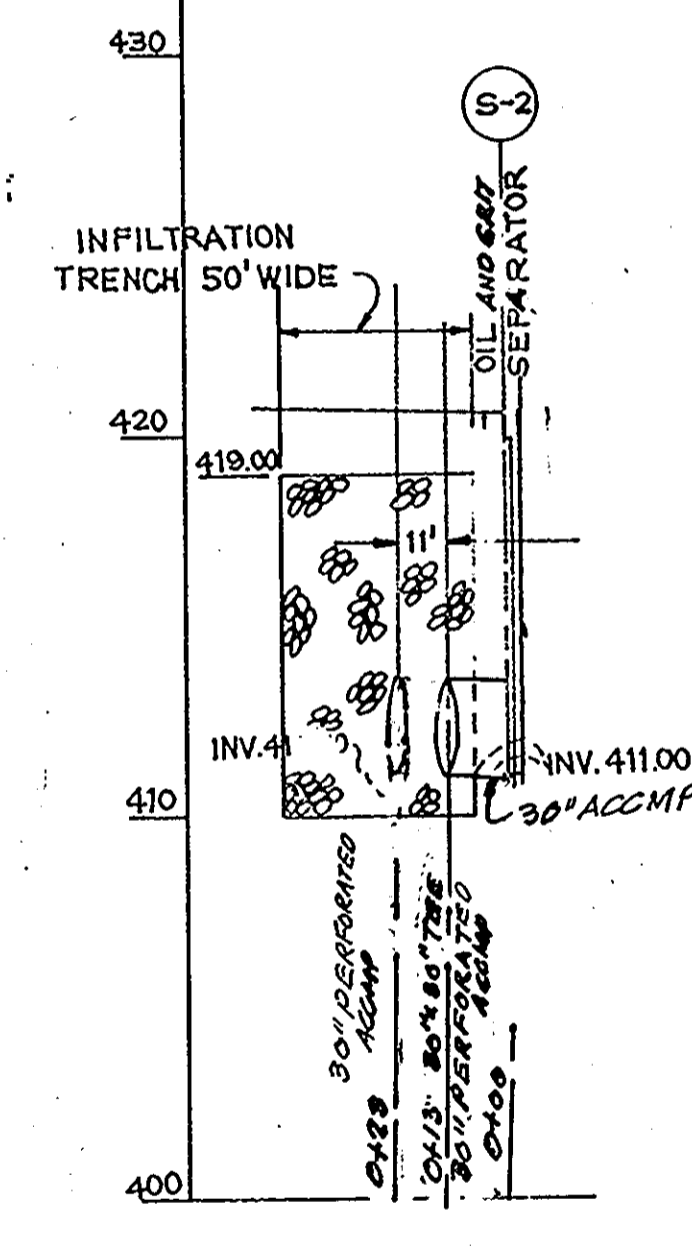
STRUCTURE SCHEDULE

NO.	TYPE	INVERT IN	INVERT OUT	TOP EL.	REMARKS	LOCATION
M-6	STD. MANHOLE	425.00	424.80	434.00	G. 5.01	SEE PLAN STA. 0+45
I-6	A-5	428.78	428.58	432.70	30" 4.01 W=2.6'	STA. 2+83
I-7	A-10		429.00	432.87	50" 4.02 W=2.6'	STA. 0+95
I-8	K-INLET		418.43	425.00	50" 4.13	SEE PLAN STA. 0+95
I-9	A-5 w/ DEFLECTOR	424.36	422.54	428.20	50" 4.01 W=2.6'	STA. 0+95
I-11	A-10	435.30	435.10	442.25	50" 4.02 W=2.6'	STA. 0+95
I-12	A-10		436.70	440.40	50" 4.02 W=2.6'	STA. 0+95
I-13	A-5	427.66	427.46	431.50	50" 4.01 W=2.6'	STA. 0+95
I-14	A-10		427.80	431.50	50" 4.02 W=2.6'	STA. 0+95
I-15	K-INLET		417.00	421.00	50" 4.13	SEE PLAN STA. 0+95
I-16	A-5	418.57	418.47	422.00	50" 4.01 W=2.6'	SEE PLAN STA. 0+95
I-17	A-5	419.00	418.90	422.00	50" 4.01 W=2.6'	SEE PLAN STA. 0+95
I-18	K-INLET		419.60	423.05	50" 4.13	SEE PLAN STA. 0+95
E-2	CONCRETE END SECTION	417.60		419.18	50" 5.51	SEE PLAN STA. 0+95
E-3	CONCRETE END SECTION	417.60		419.18	50" 5.51	SEE PLAN STA. 0+95
E-4	CONCRETE END SECTION	411.68		413.26	50" 5.51	SEE PLAN STA. 0+95
M-4	STD. MH	417.92	417.82	429.50	G. 5.01	SEE PLAN STA. 0+95
M-5	STD. MH	420.62	420.00	425.82	G. 5.01	SEE PLAN STA. 0+95
S-1	SPECIAL	410.48	411.0	420.48	SEE DETAIL	SEE PLAN STA. 0+95
S-2	SPECIAL	411.67	411	421.00	SEE DETAIL	SEE PLAN STA. 0+95
S-3	SPECIAL	412	412.00	422.6	SEE DETAIL	SEE PLAN STA. 0+95
I-10	A-5 w/ deflector	425.10	424.90	429.16	50" 4.01 W=2.6'	SEE PLAN STA. 0+95



OPERATION AND MAINTENANCE SCHEDULE PRIVATE STORMWATER MANAGEMENT TRENCHES

- I. ROUTINE MAINTENANCE
- A. INSPECTION  
The trench will be inspected several times in the first few months of operation, and then annually thereafter. The inspections will be conducted after large storms to check for surface ponding that might indicate local or widespread clogging. Water levels in the observation well will be recorded over several days to check trench drainage.
- B. BUFFER MAINTENANCE  
The condition of the grass buffer strip will be inspected annually. Growth shall be vigorous and dense. Bare spots, eroded areas or "burnt out areas" (from road salt or gasoline spills) will be re-seeded or resodded. Watering and/or fertilization will be provided during the first few months after the strip is established, and may be periodically needed in times of drought.
- C. SEDIMENT REMOVAL  
The pre-treatment inlets of underground trenches will be checked periodically and cleaned out when sediment depletes more than 10% of available capacity. This will be done manually or by a vacuum pump. Inlet and outlet pipes will be checked for vandalism.
- D. TREE PRUNING  
Adjacent trees will be trimmed if their drip line (i.e. the reach of the branches) extends over a surface trench so that tree leaves do not clog the trench. In addition, pioneer trees that start to grow in the vicinity of the trench will be removed immediately thereby avoiding root pucture of the filter fabric through which sediment might enter the structure.
- II. NON-ROUTINE MAINTENANCE
- In the event of a failure of the underground trench occurs, the following measures will be taken:
1. Remove the topsoil/vegetation layer.
  2. Remove the protective plastic layer.
  3. Remove the entire stone aggregate layer.
  4. Remove the bottom filter fabric.
- Then, the subsol layer must be tilled to promote better infiltration, and each layer must be replaced.



**loria engineering inc.**  
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.  
410-465-0400



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

Joyce M. Bowdler  
COUNTY HEALTH OFFICER  
DATE: 7/15/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

James Smith  
PLANNING DIRECTOR  
DATE: 3/25/94

Olga Surumony  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RECONSTRUCTION  
DATE: 3/23/94

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

Roman J. Chiu  
DIRECTOR  
DATE: 3/11/94

Charles J. ...  
CHIEF, BUREAU OF ENGINEERING  
DATE: 3/10/94

DESIGNED: MLL  
DRAWN: GUS  
CHECKED: MLL  
DATE: 7-1-93

WILDER SUBDIVISION  
PARCEL C-1&C-2, & C-3

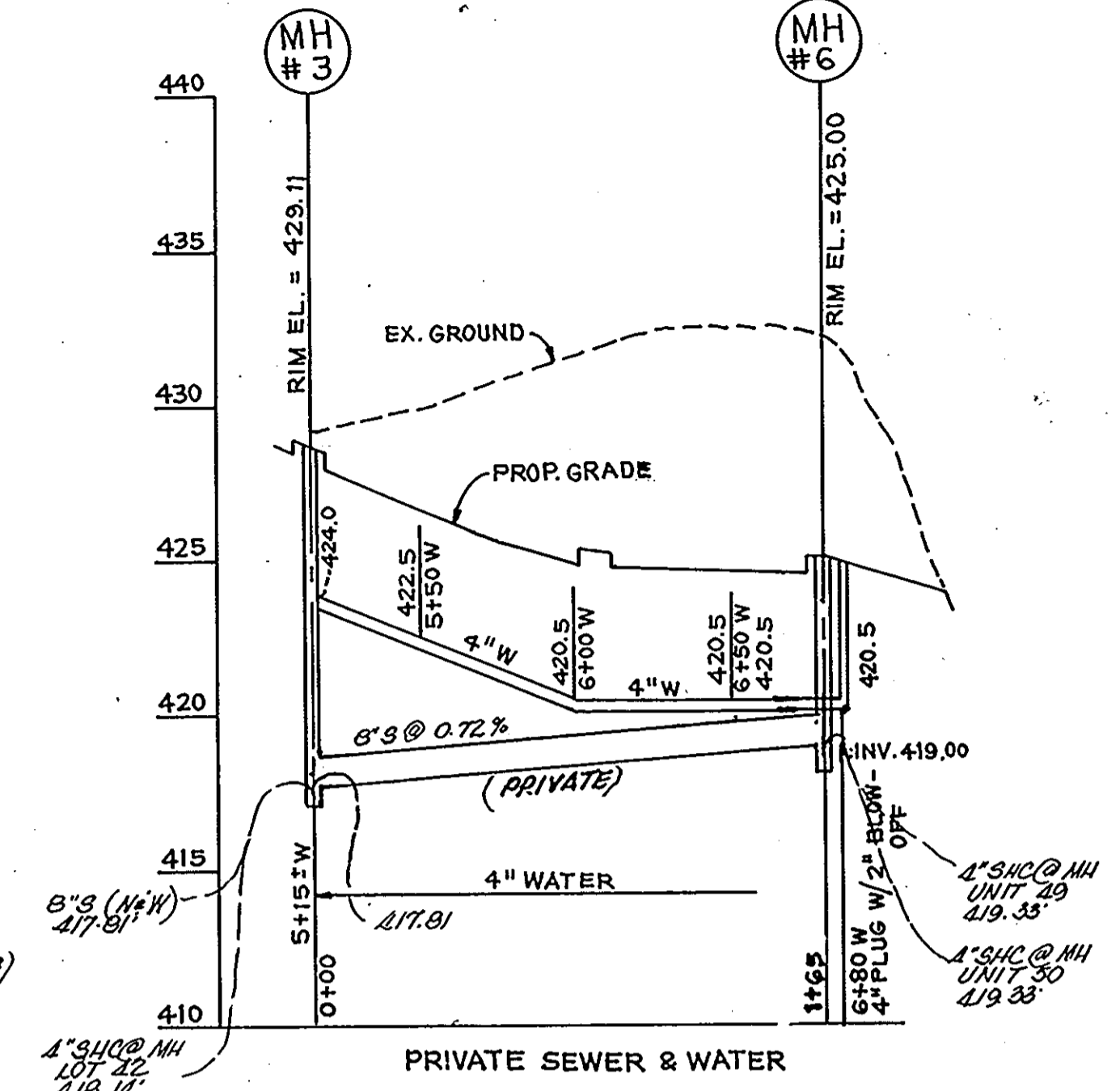
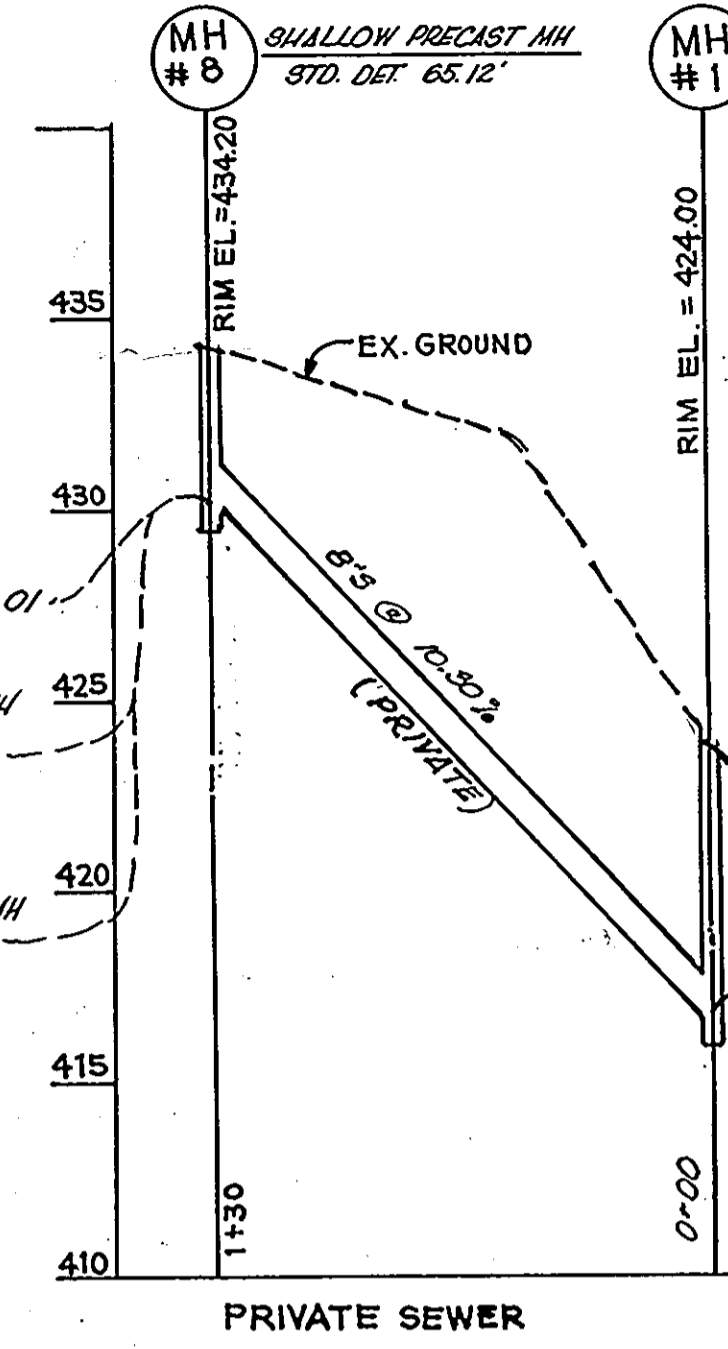
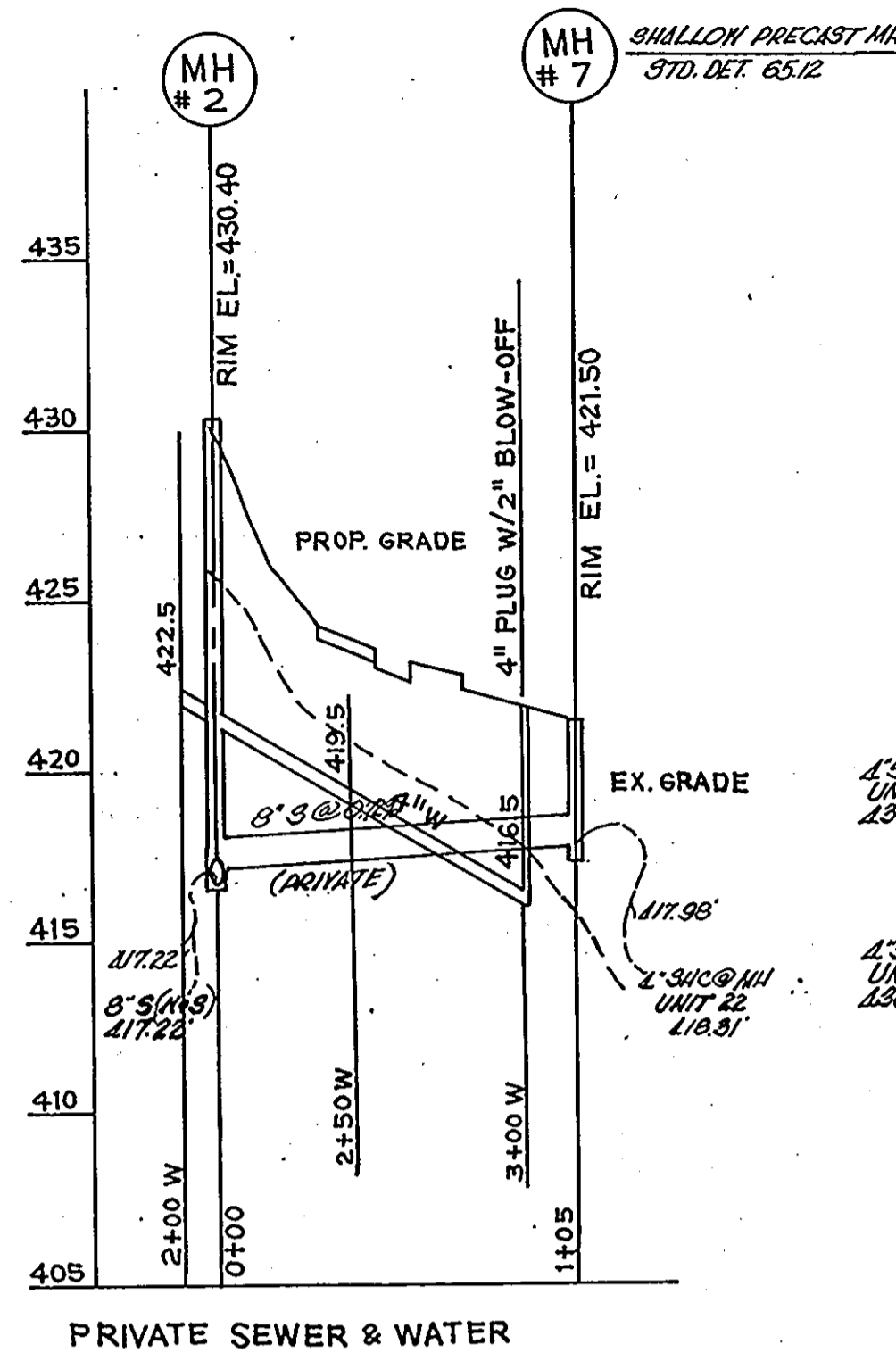
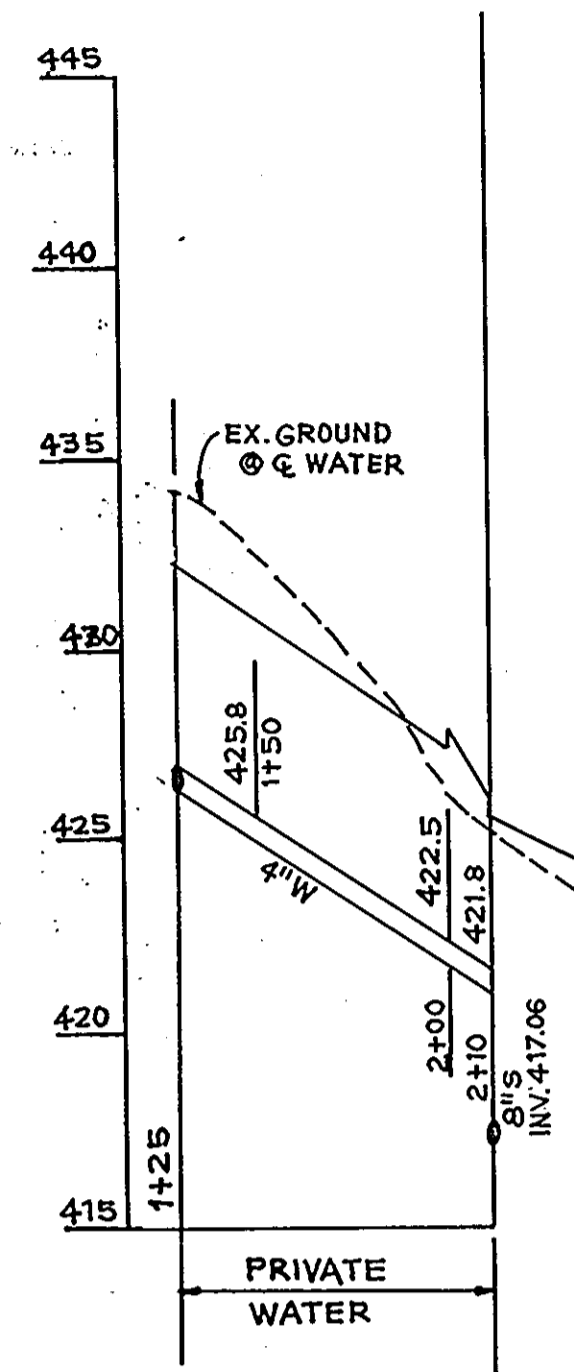
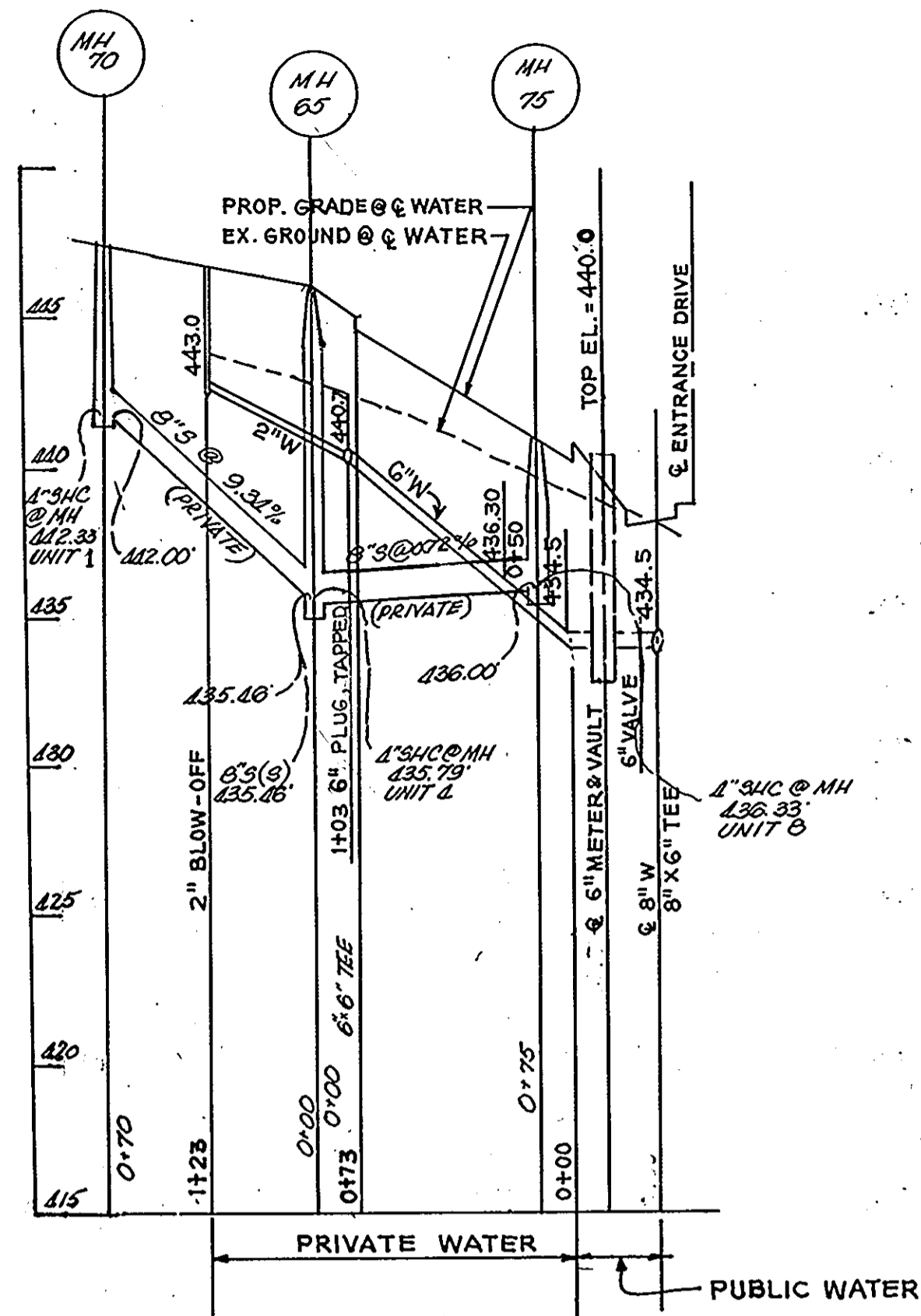
PLAT NO. BLOCK NO. ZONE TAX-ZONE ELEC. DIST. CENSUS TR.  
11112 RA-15 17 2ND 602G

WATER CODE: E03  
SEWER CODE: 1453600

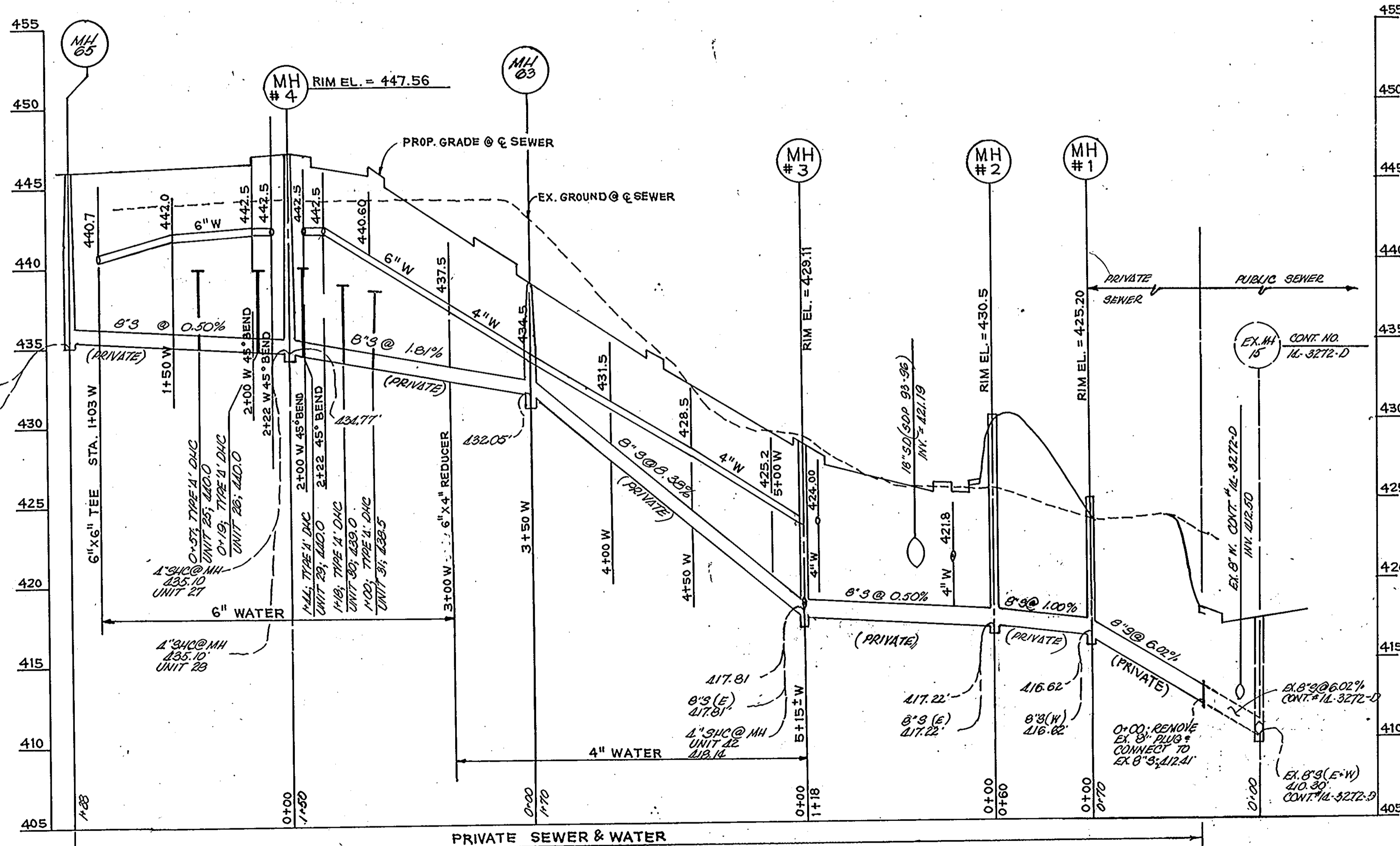
SCALE: 1" = 30'  
SHEET NO. 7 OF 12  
JOB NO.  
FILE

OWNER-DEVELOPER: WILDER BUILDING CORPORATION  
1514 NEAR THICKET LANE  
STEVENSON, MD. 21152





NOTE: UNLESS OTHERWISE NOTED  
ALL WATER MAIN ELEVATIONS  
SHOWN REFER TO OUTSIDE TOP  
OF PIPE.



PRIVATE WATER & SEWER PROFILES  
SCALE: 1" = 50' HOR.  
1" = 5' VER.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*James M. Bond* 3/15/94  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*Frank Smith* 3/25/94  
PLANNING DIRECTOR DATE

*Anna J. Jaramani* 3/23/94  
STAFF, DIVISION OF LEANS, SURVEILLANCE  
AND RECONSTRUCTION DATE

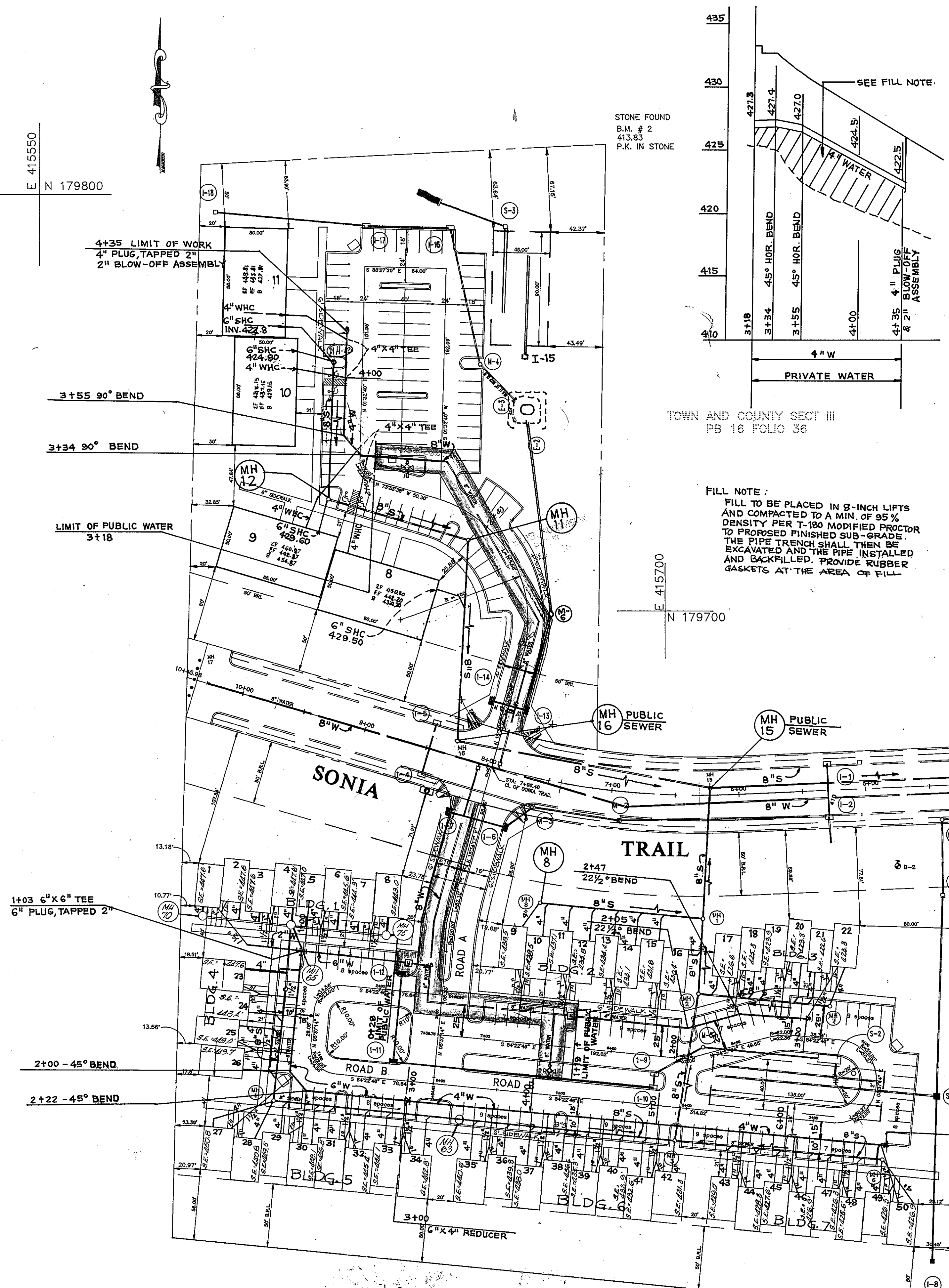
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM  
DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY  
DEPARTMENT OF PUBLIC WORKS.  
*James P. Lewis* 3/11/94  
DIRECTOR DATE

*Charles E. Jenson* 3/10/94  
CHIEF, BUREAU OF ENGINEERING M.L.K. DATE

**oria engineering inc.**  
CONSULTING ENGINEERS \* LAND PLANNERS \* SURVEYORS  
3230 BETHANY LANE, SUITE 4  
ELLICOTT CITY, MARYLAND 21043  
TEL. (301) 465-0400

SUBDIVISION NAME: WILDER SUBDIVISION PARCEL C-1&C-2, 3, 4		SECTION/AREA	LOT NO.	SHEET NO.
A RESUBDIVISION OF PARCEL - C				
PLAT NO. 11112	BLOCK NO. 17	ZONE R-A-15	TAX-ZONE 2ND	ELECT. DIST. 602G
WATER CODE F03		SEWER CODE 1453600		
DESIGNED M.L.L.	DRAWN A.V.G.	CHECKED M.L.L.		SCALE: AS SHOWN
DATE 7-1-93				OWNER: WIEDER BUILDING CORPORATION 1514 NEAR THICKET LANE STEVENSON, MD. 21153
				FILE

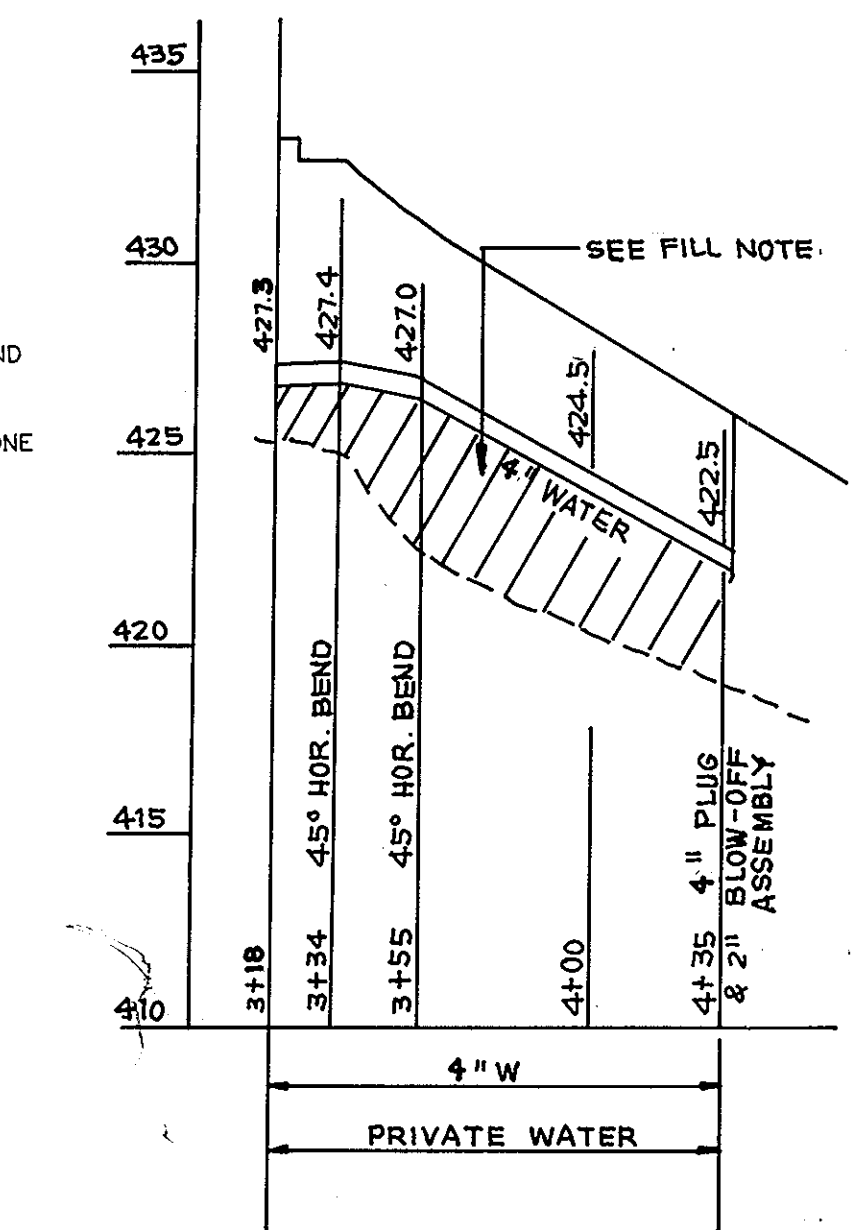
E 415550  
N 179800



PRIVATE WATER & SEWER PLANS  
SCALE 1" = 50'  
LEONORA K. HOENES  
643/532 1197/204

NOTE: 1. ALL WATER HOUSE CONNECTIONS TO TOWNHOUSE UNITS SHALL BE 1" FOR SINGLE WATER HOUSE CONNECTION, FOR WYE HOUSE CONNECTIONS USE 1 1/2" FOR THE STEM & 1" FOR THE WATER HOUSE CONNECTION.  
2. ALL SEWER HOUSE CONNECTIONS TO TOWNHOUSE UNITS SHALL BE 4".

STONE FOUND  
B.M. # 2  
413.83  
P.K. IN STONE



TOWN AND COUNTY SECT III  
PB 16 FOLIO 36

FILL NOTE:  
FILL TO BE PLACED IN 8-INCH LIFTS AND COMPACTED TO A MIN. OF 95% DENSITY PER T-100 MODIFIED PROCTOR TO PROPOSED FINISHED SUB-GRADE. THE PIPE TRENCH SHALL THEN BE EXCAVATED AND THE PIPE INSTALLED AND BACKFILLED. PROVIDE RUBBER GASKETS AT THE AREA OF FILL.

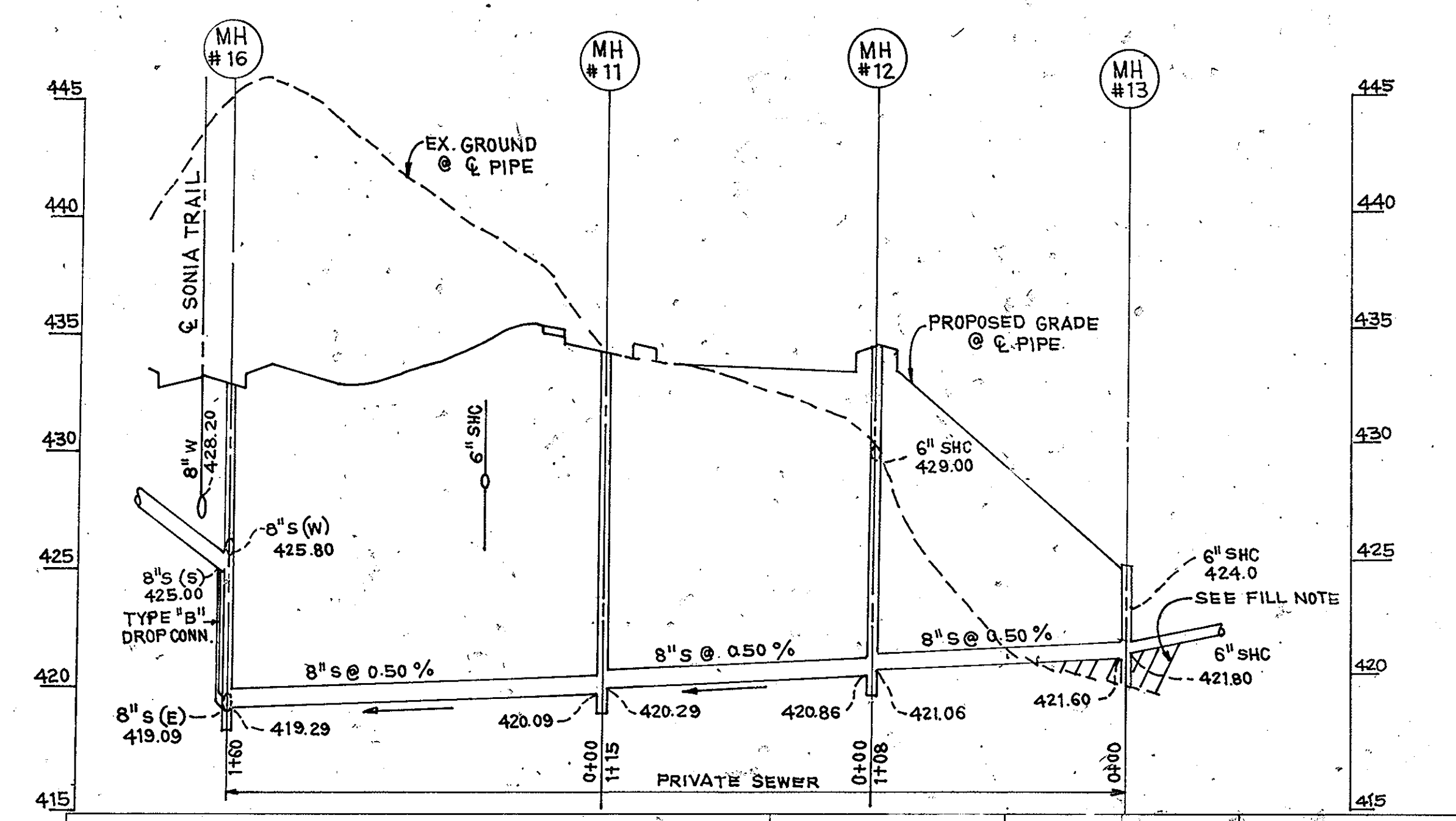
SEWER HOUSE CONNECTION ELEVATIONS

BLDG	UNIT	INV @ %*	BLDG	UNIT	INV @ %*
BLDG 1	1	412.43	BLDG 6	35	431.72
	2	439.75		36	429.53
	3	438.35		37	428.05
	4	435.99		38	425.75
	5	435.81		39	424.20
BLDG 2	6	436.08	BLDG 7	40	421.98
	7	436.10		41	420.68
	8	436.53		42	418.54
	9	430.80		43	418.68
	10	430.78		44	418.95
	11	428.01		45	418.97
	12	426.27		46	419.23
	13	424.20		47	419.29
	14	422.57		48	419.53
	15	420.59		49	419.73
BLDG 3	16	418.55	BLDG 8	50	420.07
	17	417.71		BLDG 8	429.50
	18	418.01		BLDG 9	429.60
	19	418.20		BLDG 10	424.80
	20	418.46		BLDG 11	422.80
	21	418.45			
	22	418.87			
	23	436.00			
	24	435.72			
	25	440.36			
BLDG 4	26	440.44			
	27	436.08			
	28	435.72			
	29	440.40			
	30	439.52			
	31	438.90			
	32	434.08			
	33	433.63			
	34	433.21			

\* CLEAN OUTS TO BE INSTALLED 5' FROM BUILDING WALL OF ALL UNITS

SEWER MANHOLE SCHEDULE

MH No.	ELEVATION	LOCATION
MH1	424	6+32 SONIA TRAIL, 92' L
MH2	430.40	5+13 ROAD A, 47' R
MH3	429.11	1+92 ROAD A, 26' R
MH4	447.56	6+95 ROAD D, 43' L
MH5	446	2+57 ROAD D, 30' L
MH6	425	3+13 ROAD A, 34' R
MH7	421.5	4+17 ROAD A, 26' R
MH8	434.20	7+40 SONIA TRAIL, 97' L
MH9	440.8	8+47 SONIA TRAIL, 80' L
MH10	444.30	9+73 SONIA TRAIL, 103' L
MH11	434.3	2+60 ROAD C, 18' L
MH12	435.2	SEE PLAN
MH13	420.20	SEE PLAN
MH 63	439.00	SEE PLAN
MH 65	446.00	SEE PLAN
MH 70	441.00	SEE PLAN
MH 75	441.00	SEE PLAN



**World engineering inc.**  
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.  
410-465-0400

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY  
JAYCE M. BOND  
COUNTY HEALTH OFFICER  
DATE: 3/15/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
PLANNING DIRECTOR  
DATE: 3/25/94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
DATE: 3/10/94

DESIGNED: MLL  
DRAWN: GUS  
CHECKED: MLL  
DATE: 7-1-93

SUBDIVISION NAME: WILDER SUBDIVISION  
SECTION/AREA: PARCEL C-1&C-2  
LOT NO.:  
PLAT NO./BLOCK NO./ZONE: 1111.2 / R-A-15  
TAX-ZONE: 17  
ELECT. DIST: 2ND  
CENSUS TR: 6026  
WATER CODE: F 03  
SEWER CODE: 1453600

WILDER SUBDIVISION PARCEL C-1&C-2  
A RESUBDIVISION OF PARCEL C-1  
PRIVATE WATER AND SEWER  
OWNER-DEVELOPER: WILDER BUILDING CORPORATION  
1514 NEAR THICKEET LANE  
STEVENSON, MD. 21152

SCALE: 1" = 50'  
SHEET NO.: 9 OF 12  
JOB NO.:  
FILE:



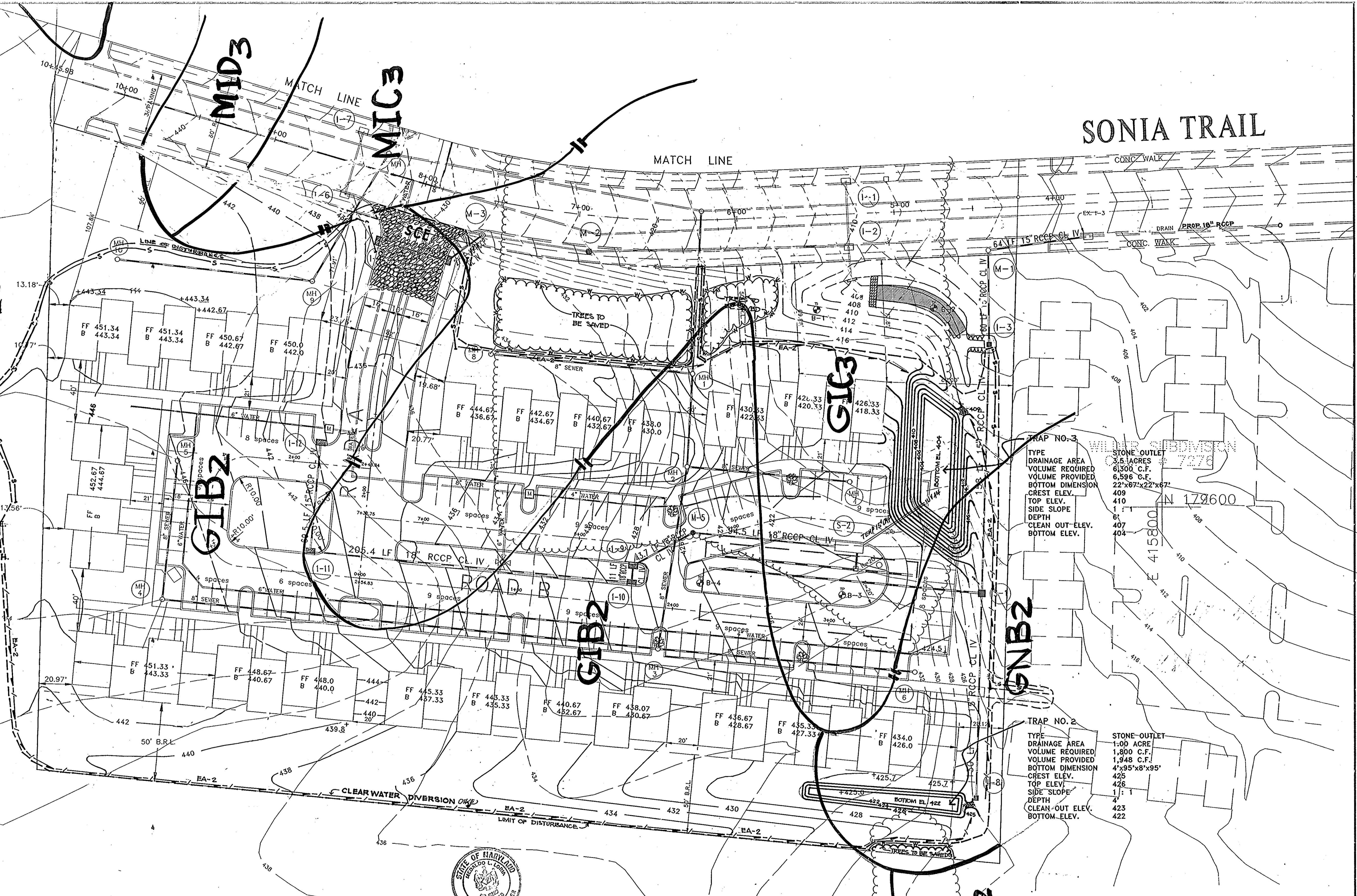
# SONIA TRAIL

LEONORA K. HOENES  
6/13/53 11/07/2014

### SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL ORANGE BLAZE WIRE MESH TREE PROTECTION.
3. INSTALL ALL SEDIMENT CONTROL STRUCTURES SHOWN ON THIS PLAN SUCH AS TRAP NO. 2 & TRAP NO. 3, CONSTRUCTION ENTRANCE, SILT FENCE AND EARTH DIKE.
4. GRADE AREA AS SHOWN AND CONSTRUCT UTILITIES SUCH AS DRAINAGE, WATER AND SEWER. CONSTRUCT TEMPORARY 18" CMP. DO NOT CONSTRUCT SWM TRENCH.
5. STABILIZE ALL DISTURBED AREAS.
6. CONSTRUCT STORM WATER MANAGEMENT TRENCH AND PERFORATED PIPES, PERMANENTLY BLOCK TEMPORARY 18" CMP WITH CONCRETE.
7. REMOVE ALL SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE HOWARD COUNTY SOIL CONSERVATION SERVICE REQUIREMENTS.

- LEGEND :**
- SILT FENCE S-S
  - DIKE EA-2
  - BLAZE ORANGE FENCE PROTECTION W-W
  - STONE CONSTRUCTION ENTRANCE
  - EX. GRADE 442
  - PROP. GRADE 442



TRAP NO. 3

TYPE	STONE-OUTLET
DRAINAGE AREA	3.5 ACRES
VOLUME REQUIRED	6,500 C.F.
VOLUME PROVIDED	6,586 C.F.
BOTTOM DIMENSION	22'x67'x22'x67'
CREST ELEV.	408
TOP ELEV.	410
SIDE SLOPE	1:1
DEPTH	6'
CLEAN-OUT ELEV.	407
BOTTOM ELEV.	404

TRAP NO. 2

TYPE	STONE-OUTLET
DRAINAGE AREA	1.00 ACRE
VOLUME REQUIRED	1,800 C.F.
VOLUME PROVIDED	1,948 C.F.
BOTTOM DIMENSION	4'x95'x8'x95'
CREST ELEV.	425
TOP ELEV.	426
SIDE SLOPE	1:1
DEPTH	4'
CLEAN-OUT ELEV.	423
BOTTOM ELEV.	422



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*James M. Boyd* 3/15/14  
PLANNING DIRECTOR DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*James M. Boyd* 3/15/14  
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
*James M. Boyd* 3/10/14  
PLANNING DIRECTOR DATE

These plans have been reviewed for the Howard Soil Conservation District and meet the requirements of the Howard County Soil Conservation District.  
*John R. Palmer* 2/24/14  
U.S. Soil Conservation Service DATE

These plans for Soil and Sediment Control meet the requirements of the Howard County Soil Conservation District.  
*John R. Palmer* 2/24/14  
U.S. Soil Conservation Service DATE

**DEVELOPER'S/BUILDER'S CERTIFICATE**

I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.

*Doyl Wilde* 4-2-14  
BUILD/DEVELOPER DATE

**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 and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District.

*Leonora K. Hoenes* 4-2-14  
SIGNATURE OF ENGINEER DATE

**loria engineering inc.**  
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.  
410-465-0400

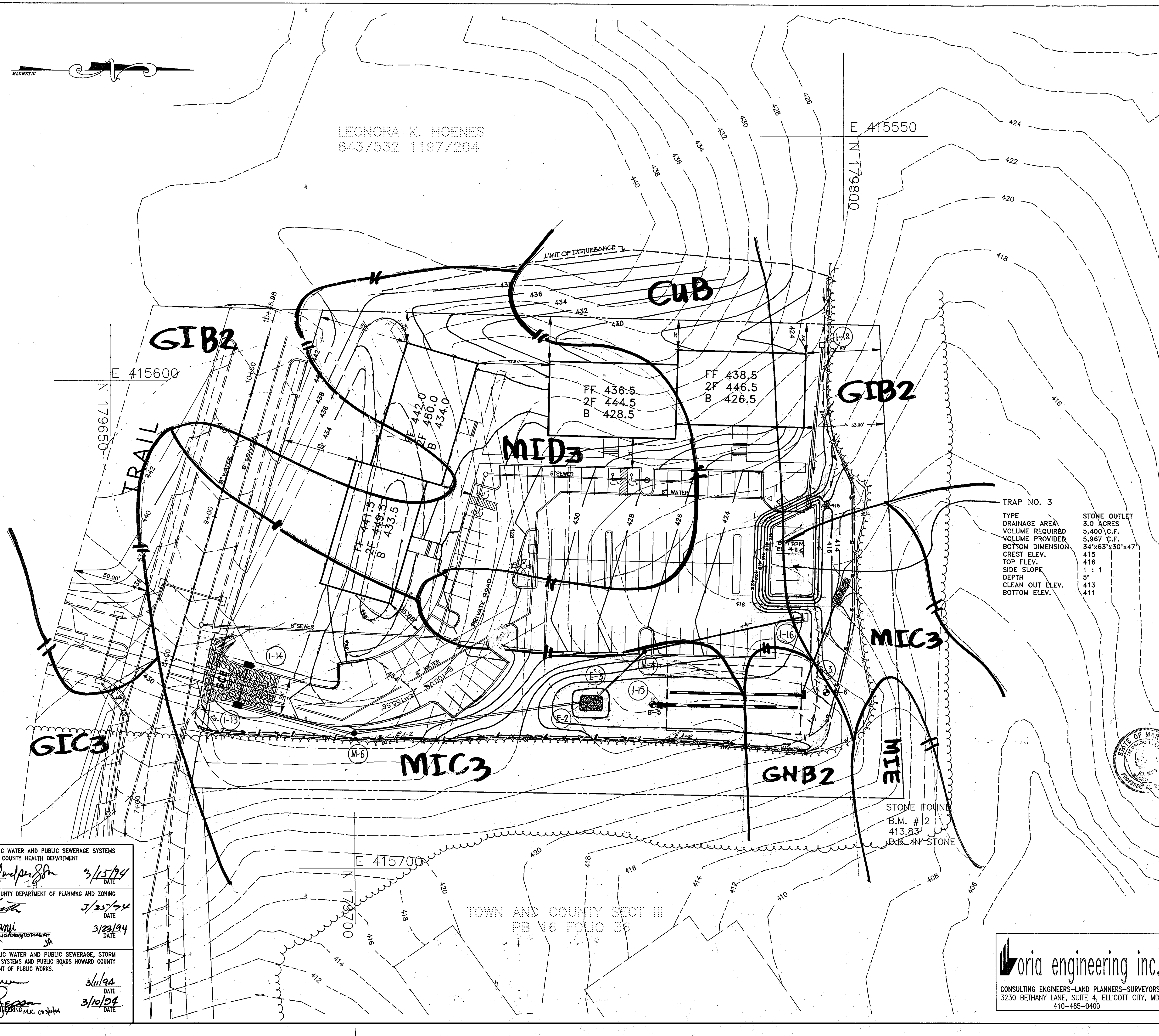
SUBDIVISION NAME		SECTION/AREA	LOT NO.
WILDER SUBDIVISION			
PARCEL C-1&C-2, C-3			
PLAT NO./BLOCK NO.	ZONE	TAX-ZONE	ELECT. DIST.
11112	R-A-15	17	2nd
CENSUS TR.		6026	
WATER CODE		SEWER CODE	
EQ3		1453600	
DESIGNED	M.L.L.		SCALE
DRAWN	M.L.L.		1" = 30'
CHECKED	GUS		SHEET NO.
DATE	DATE		100F-12
OWNER-DEVELOPER:			JOB NO.
WILDER BUILDING CORPORATION			FILE
1514 NEAR THICKET LANE			
STEVENSON, MD. 21152			





LEONORA K. HOENES  
643/532 1197/204

- SEQUENCE OF CONSTRUCTION
1. OBTAIN GRADING PERMIT.
  2. INSTALL ORANGE BLAZE WIRE MESH TREE PROTECTION.
  3. INSTALL ALL SEDIMENT CONTROL STRUCTURES SHOWN ON THIS PLAN SUCH AS TRAP NO. 3, STONE CONSTRUCTION ENTRANCE AND SILT FENCE.
  4. GRADE AREA AS SHOWN AND CONSTRUCT UTILITIES SUCH AS DRAINAGE, WATER AND SEWER. CONSTRUCT PIPE FROM I-18 TO I-17 TO THE LIMIT SHOWN. DO NOT CONSTRUCT PIPE FROM I-17 TO I-18.
  5. STABILIZE ALL DISTURBED AREAS.
  6. CONSTRUCT STORMWATER MANAGEMENT TRENCH AND FOREBAY.
  7. PAVING OF THE PARKING LOT AND REMOVAL OF TRAP NO. 3 SHALL BE DELAYED UNTIL APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.
  8. REMOVE ALL SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH HOWARD COUNTY SOIL CONSERVATION SERVICE REQUIREMENTS.



FF 436.5  
2F 444.5  
B 428.5

FF 438.5  
2F 446.5  
B 426.5

TRAP NO. 3

TYPE  
DRAINAGE AREA  
VOLUME REQUIRED  
VOLUME PROVIDED  
BOTTOM DIMENSION  
CREST ELEV.  
TOP ELEV.  
SIDE SLOPE  
DEPTH  
CLEAN OUT ELEV.  
BOTTOM ELEV.

STONE OUTLET  
3.0 ACRES  
5,400 C.F.  
5,967 C.F.  
34'x63'x30'x47'

415  
416  
1 : 1  
5'  
413  
411

STONE FOUND  
B.M. # 2  
413.83  
BACK IN STONE

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for the Soil and Sediment Control.

*Pattie Engle* Jan 2/24/94  
U.S. Soil Conservation Service Date

These plans for Soil and Sediment Control meet the requirements of the Howard County Soil Conservation District.

*John P. Romano* 8/24/94  
Howard Soil Conservation District Date

DEVELOPER'S/BUILDER'S CERTIFICATE

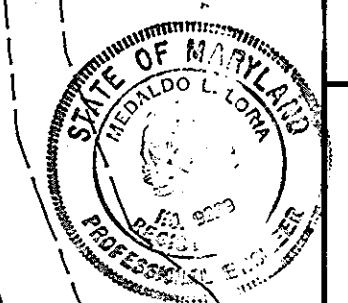
I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project.

*Joseph Wilde* 4-2/93  
BUILDER/DEVELOPER DATE

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 and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District.

*Walter H. ...* 4-2-93  
SIGNATURE OF ENGINEER DATE



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

*James M. ...* 3/15/94  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*James ...* 3/25/94  
PLANNING DIRECTOR DATE

*Olga ...* 3/23/94  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

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

*James ...* 3/11/94  
DIRECTOR DATE

*James ...* 3/10/94  
CHIEF, BUREAU OF ENGINEERING M.C. 03/10/94 DATE

TOWN AND COUNTY SECT III  
PB N6 FOLIO 36

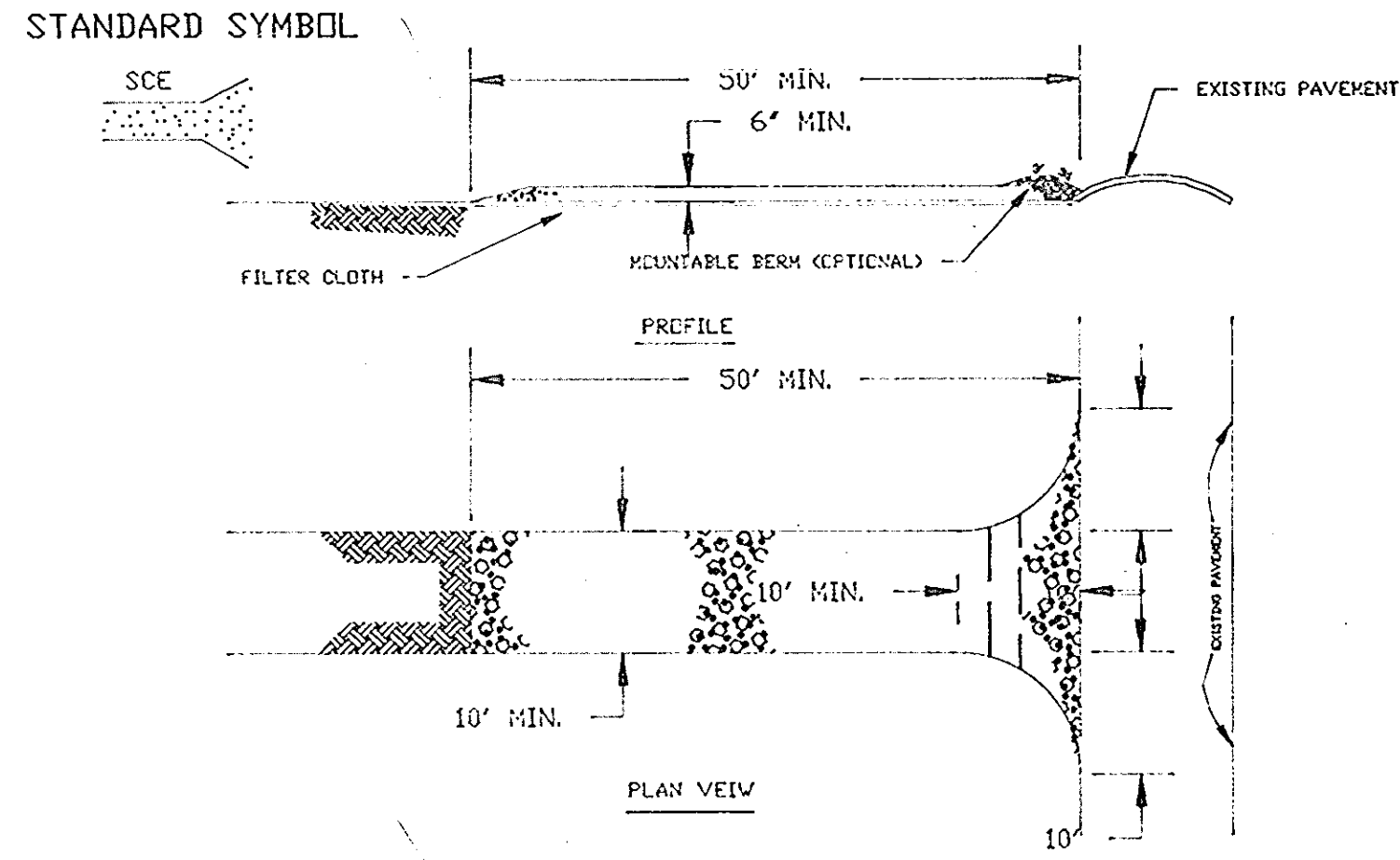
**loria engineering inc.**  
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.  
410-465-0400

SUBDIVISION NAME		SECTION/AREA	LOT NO.
WILDER SUBDIVISION			
PARCEL C-1&C-2, 200			
PLAT NO. BLOCK NO.	ZONE	TAX-ZONE	ELECT. DIST. CENSUS TR.
11112	R-A-15	17	2ND 60 26
WATER CODE		SEWER CODE	
F03		1453600	
DESIGNED	SEDIMENT AND EROSION CONTROL PLAN		SCALE
MLL			
DRAWN	WILDER SUBDIVISION PARCEL C-1&C-2.		SHEET NO.
GUS	A RESUBDIVISION OF PARCEL C		11/2/93
CHECKED	OWNER-DEVELOPER:		JOB NO.
MLL	WILDER BUILDING CORPORATION		
DATE	1514 NEAR THICKET LANE		FILE
3-30-93	STEVENSON, MD. 21152		

SDR-93-96



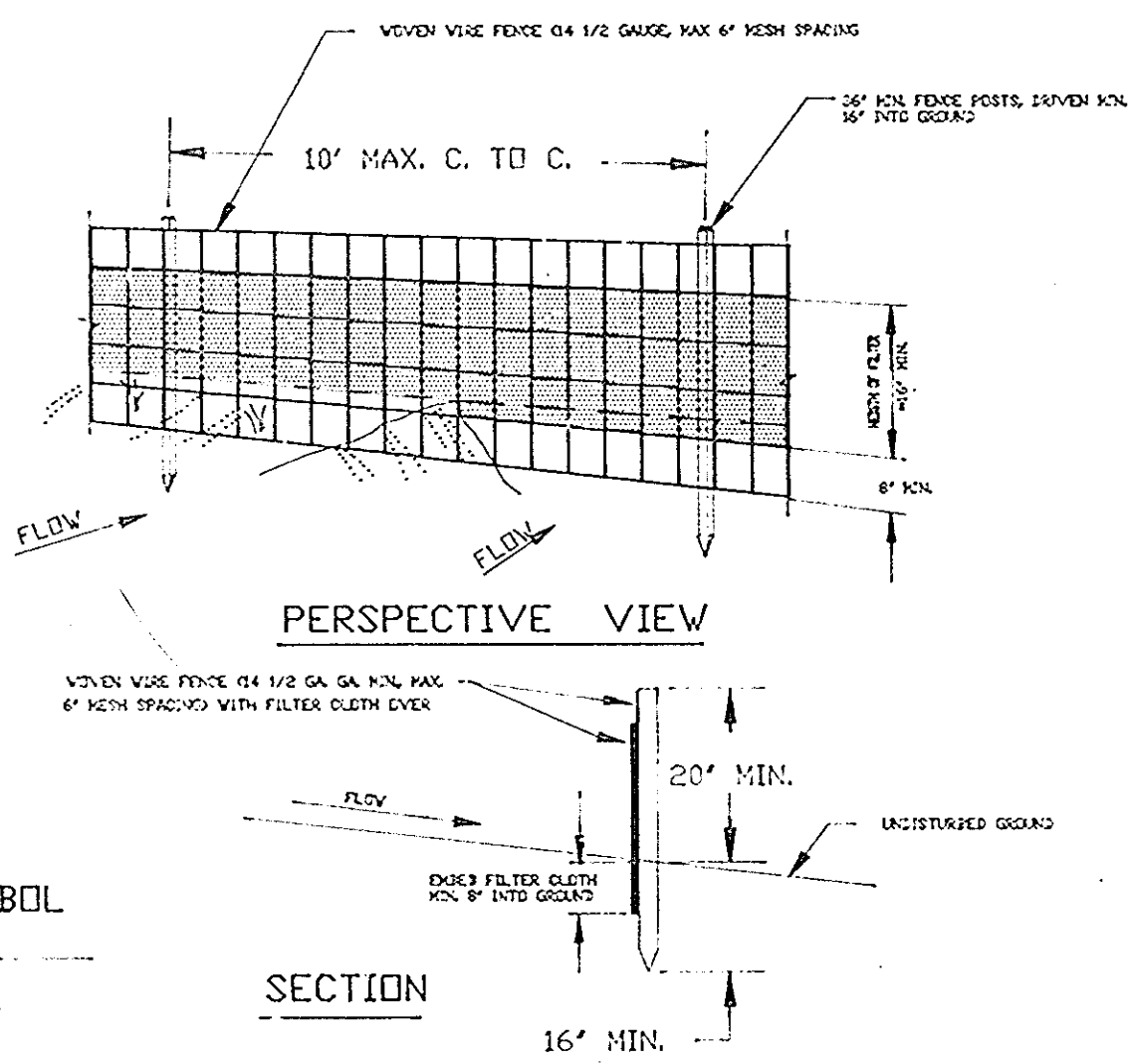
**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE



**CONSTRUCTION SPECIFICATION**

- STONE SIZE - USE 2" STONE OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - MINIMUM 60 FEET MINIMUM, BUT LESS THAN THE FULL WIDTH AT PUNTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED IN A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNDABLE BERM WITH 50% SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS - IF - WAY, THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN-UP OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS - IF - WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS - IF - WAY, WHEN IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**SILT FENCE**



**CONSTRUCTION NOTES FOR FABRICATION SILT FENCE**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FELDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**PERMANENT SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, UNLESS PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ FT).
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY OPTION (1) 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL-ANCHORED STRAW.

MULCHING - APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/100 SQ FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

**TEMPORARY SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, UNLESS PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT).

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (0.7 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING - APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**STANDARD AND SPECIFICATION FOR VEGETATIVE STABILIZATION WITH SOD**

- CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOD.
- SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH, PLUS OR MINUS 1/4 INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
- STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
- INDIVIDUAL PIECES OF SOD SHALL BE CUT TO THE SUPPLIERS WIDTH AND LENGTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 5 PERCENT. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
- SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
- SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO ITS INSTALLATION.

**SITE PREPARATION**

FERTILIZER AND LIME APPLICATION RATES SHALL BE DETERMINED BY SOIL TESTS. UNDER UNUSUAL CIRCUMSTANCES WHERE THERE IS UNSUFFICIENT TIME FOR A COMPLETE SOIL TEST, FERTILIZER AND LIME MATERIALS MAY BE APPLIED IN AMOUNTS SHOWN UNDER B, BELOW.

- PRIOR TO SODDING, THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS, AND OF ALL ROOTS, BRUSH, WIRE, GRADE, STAKES, AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.
- WHERE THE SOIL IS ACID OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHOULD BE APPLIED AT THE RATE OF 2 TONS/ACRE OR 100 POUNDS PER 1,000 SQUARE FEET. IN ALL SOILS 1,000 POUNDS PER ACRE OR 25 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 FERTILIZER OR EQUIVALENT SHALL BE UNIFORMLY APPLIED AND MIXED INTO THE TOP 3 INCHES OF SOIL WITH THE REQUIRED LIME.
- ALL AREAS RECEIVING SOD SHALL BE UNIFORMLY FINE GRADED. HARD-PACKED EARTH SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SOD.

1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (992-2437)

2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3% BY 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

7. SITE ANALYSIS:	
TOTAL AREA OF SITE	8.43 ACRES
AREA DISTURBED	7.93 ACRES
AREA TO BE ROOFED OR PAVED	3.10 ACRES
AREA TO BE VEGETATIVELY STABILIZED	4.83 ACRES
TOTAL CUT	2020 CU YDS
TOTAL FILL	7020 CU YDS
OFFSITE WASTE/BORROW AREA LOCATION	SOUTH TRAIL CONSTRUCTION

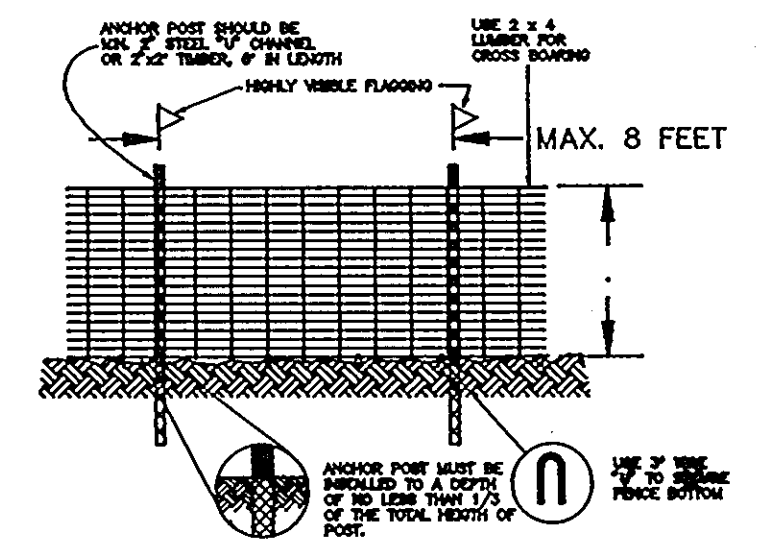
8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.

10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

**GENERAL NOTES**

- REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
  - WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE COUNTY SOIL CONSERVATION DISTRICT.
  - AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
  - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3%) AND (B) FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
  - DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PP 62.01 AND 62.02 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
  - ANY VARIATION FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
  - EXCESS CUT OR BORROW MATERIAL SHALL GO TO OR COME FROM, RESPECTIVELY, A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN.
- THE FOLLOWING ITEM MAY BE USED AS APPLICABLE:
- REFER TO 'MARYLAND'S GUIDELINES TO WATERWORKS CONSTRUCTION' BY THE WATER RESOURCES ADMINISTRATION (WRA), DATED JANUARY 1986 FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN FOR WATERWAY CONSTRUCTION.



- NOTES:
- PERIMETER FENCE ONLY
  - SECTION AREA WILL BE MADE PART OF THE REVIEW PROCESS
  - REVISIONS OF DETAILS AND SHOULD BE MADE AND PLANNED PRIOR TO PROCEEDING WITH CONSTRUCTION
  - POST SPACING SHALL BE 24" ON CENTER
  - PERIMETER FENCE MUST ALSO BE USED
  - DETAILS SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION

**BLAZE ORANGE PLASTIC MESH**

NOT TO SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*Joyce M. Boyd* 3/15/94  
HEALTH OFFICER

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
*James J. ...* 3/25/94  
PLANNING DIRECTOR

*Jim J...* 3/23/94  
DIVISION OF LAND DEVELOPMENT AND REVISIONS

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James J. ...* 3/10/94  
DIRECTOR

*...* 3/10/94  
ENGINEER

**oria engineering inc.**  
CONSULTING ENGINEERS • LAND PLANNERS • SURVEYORS  
3030 BETHANY LANE, SUITE 4  
ELLCOTT CITY, MARYLAND 21043  
TEL. (301) 465-0400

These plans have been reviewed for the  
Howard Soil Conservation District and meet  
the technical requirements for soil and  
sediment control  
*Patsy Engle* 2/24/94  
S. Soil Conservation Service

These plans for soil and sediment control  
meet the requirements of the Howard  
Soil Conservation District.  
*John C. ...* 2/24/94  
Howard Soil Conservation District

**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 and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District.

*...* 4/3/94  
SIGNATURE OF ENGINEER DATE

**DEVELOPER'S/BUILDER'S CERTIFICATE**

I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.

*Daryl Wilder*  
BUILDER/DEVELOPER DATE

WILDER SUBDIVISION PARCEL C-12 C-2  
A RESUBDIVISION OF PARCEL C

**SEDIMENT AND EROSION CONTROL NOTES**

owner:  
**WILDER BUILDING CORPORATION**  
1514 NEAR TICKET LANE  
STEVENSON, MD. 21152

SCALE: DATE: 7-1-93 SHEET 12 of 12  
DESIGNED: MLL DRAWN: GUS CHECKED:  
SDP-93-96