

SHEET INDEX	
NO	DESCRIPTION
1	TITLE SHEET
2	PRELIMINARY PLAN
3	PRELIMINARY DRAINAGE AREA MAP AND GRADING PLAN
4	PRELIMINARY ROAD PROFILE

PRELIMINARY PLANS

EMERSON

SECTION ONE AREA TWO

LOTS 40-96

A RESUBDIVISION OF PARCEL A

6th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

GENERAL NOTES

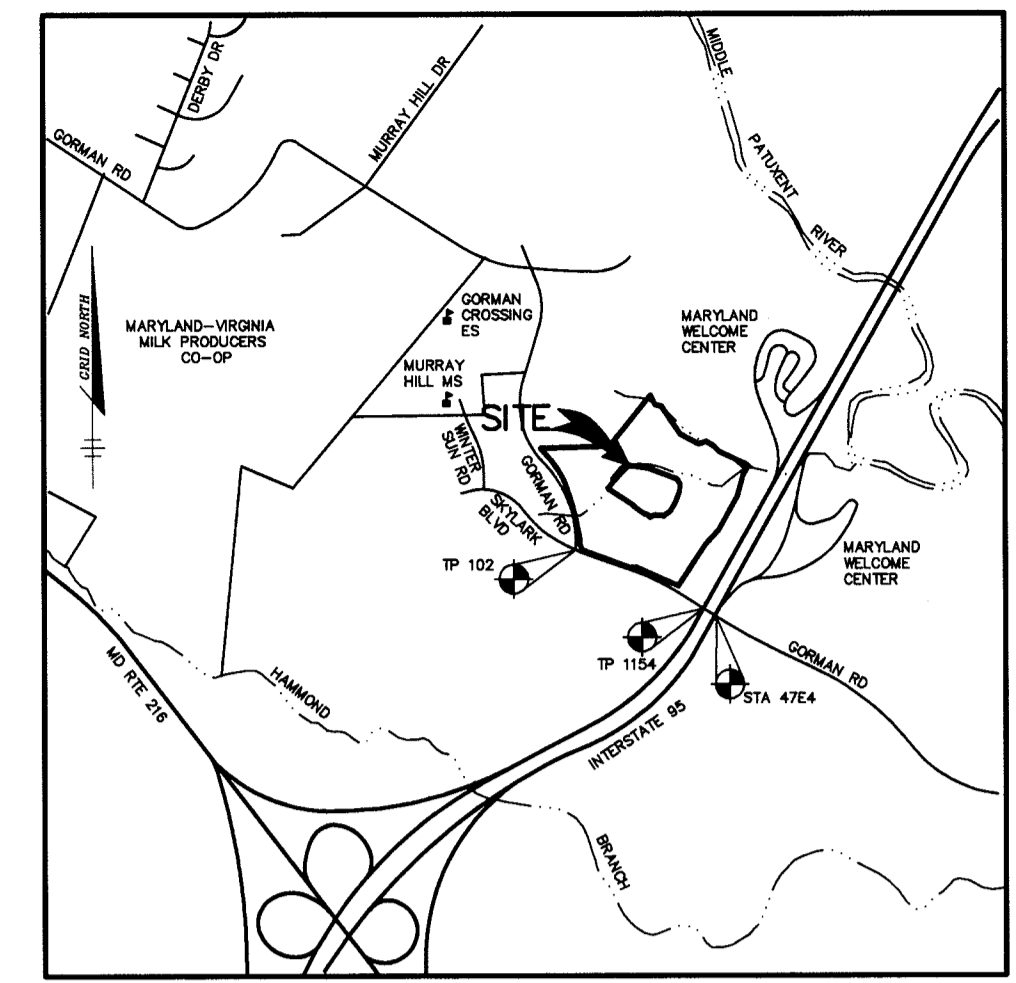
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. IV "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION" PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURE AND POLE SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME III (1993) AND AS MODIFIED BY "GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS, (JANUARY 1998)". A MINIMUM SPACING OF 20' SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM AERIAL SURVEY MAPS WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY AIR SURVEY CORP. FLOWN IN APRIL 1998.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 47 E4 ALONG WITH 2 TRAVERSE POINTS WERE USED FOR THIS PROJECT.
- WATER IS PUBLIC. CONTRACT NO. 34-3832-D AND 44-3833-D
- SEWER IS PUBLIC. SEWER DRAINAGE AREA: PATUXENT CONTRACT NO. 34-3832-D
- THE PUBLIC STORMWATER MANAGEMENT FOR THIS SITE WILL BE PROVIDED BY A PRIVATE WET POND UNDER F-01-140.
- 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. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.
- THE WETLANDS DELINEATION STUDY FOR THIS PROJECT WAS PREPARED BY DAFT McCUNE & WALKER, INC. DATED FEBRUARY 2000.
- THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY WELLS & ASSOCIATES DATED FEBRUARY 2000.
- THE NOISE STUDY FOR THIS PROJECT WAS PREPARED BY CENTURY ENGINEERING DATED MARCH 1999.
- THE BOUNDARY SURVEY FOR THIS PROJECT WAS PREPARED BY DAFT, McCUNE & WALKER, INC. JULY 2000.
- SUBJECT PROPERTY ZONED R-ED PER 10-18-93 COMPREHENSIVE ZONING PLAN, DATED JUNE 1999.
- ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- SEE DEPARTMENT OF PLANNING AND ZONING FILE NO.'S: S-00-12, WP-00-87, WP-01-39, P-01-16, F-01-140, WP-01-99, PB-346(DECISION AND ORDER SIGNED 10-4-00)
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOL. III, ALL 40' RIGHT OF WAYS 25 MPH.
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T180.
- ALL STREET CURB RETURNS SHALL HAVE 25' RADII UNLESS OTHERWISE NOTED.
- ALL STREET LIGHTS SHALL BE LOCATED BETWEEN 2'-0" AND 4'-0" BEHIND FACE OF CURB.
- STREET TREES (30) LOCATION, TYPE AND NUMBER OF TREES SHOWN ON THIS PLAN ARE TENTATIVE AND ARE USED FOR BOND PURPOSES ONLY. THE FINAL LOCATION AND VARIETY OF LOCATION AND VARIETY OF TREES MAY VARY TO ACCOMMODATE FIELD CONDITIONS INCLUDING 20' CLEARANCE OF ANY STREET LIGHT AND SHALL BE IN ACCORDANCE WITH THE SUBDIVISION REGULATIONS AND THE LANDSCAPE MANUAL. BOND RELEASE IS CONTINGENT UPON SECTION 16.124 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS, AS APPROVED BY THE DEPARTMENT OF PLANNING AND ZONING.
- WP-00-87 - A WAIVER OF SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.116(a)(2)(i), WHICH PROHIBITS GRADING, REMOVAL OF VEGETATION WITHIN 75 FEET OF A STREAM, DATED JULY 21, 2000. APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS (AS MODIFIED BY WP-01-99):
 - THE GRADING AND CLEARING ASSOCIATED WITH IMPACT AREA #1, FOR SUNBEAM PLACE TO CROSS THE STREAM, SHALL BE MINIMIZED AND COMPLY WITH THE FINAL ROAD PLANS, WHICH WILL BE REVIEWED AND APPROVED BY THE SRC, AS PROPOSED BY THE DEVELOPER WITH THIS WAIVER PETITION. THE UTILITY CROSSING OF THE STREAM MUST BE COINCIDENTAL WITH THE ROAD CROSSING. AS POSSIBLE, THE DEVELOPER SHALL COMPLY WITH COMMENT #1 OF THE JUNE 1, 2000, REVIEW COMMENTS FROM THE SOIL CONSERVATION DISTRICT (SCD) REGARDING ROAD DESIGN AND LOCATION, AND SHALL CONFIGURE THE ROAD SO THAT ANY REQUIRED CALMING FEATURE ALIGNS WITH THE STREAM CROSSING, AND THEREBY LESSENS THE ASSOCIATED GRADING/CLEARING.
 - AS INDICATED IN THE COMMENTS FROM THE SCD, THE OUTFALL ASSOCIATED WITH IMPACT AREA #2 IS TO OUTFALL AT GRADE ELEVATION 308, UNLESS THE PRESENCE OF ROCK IS FOUND DURING FIELD INVESTIGATION, IN WHICH CASE THE OUTFALL MAY BE SHIFTED TO OUTFALL AT GRADE ELEVATION 314.
 - THE L.O.D. FOR IMPACT AREAS #3 AND #4 SHALL BE IN ACCORDANCE WITH THEIR WAIVER EXHIBIT DATED MARCH 17, 2000. NEITHER THE WATER NOR THE SEWER LINES MAY BE EXTENDED BEHIND PROPOSED LOTS 34-40 (AS SHOWN IN THE EXHIBIT DATED MAY 8, 2000). DUE TO ADDITIONAL IMPACT TO THE STREAM BUFFER, FOR IMPACT AREAS #3 AND #4, LIMIT TREE CLEARING AS MUCH AS POSSIBLE ESPECIALLY SPECIMEN TREES, TO FURTHER DECREASE GRADING OR CLEARING, THE UTILITIES MUST BE CONSOLIDATED INTO A SINGLE EASEMENT, AS PROPOSED ON THE WAIVER EXHIBIT.
- WP-01-39 - A WAIVER OF SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.145, WHICH REQUIRES THE SUBMISSION OF A PRELIMINARY PLAN AFTER A SKETCH PLAN HAD BEEN SIGNED. THE WAIVER WAS DENIED, NOVEMBER 17, 2000.
- THERE WERE 55 TENTATIVE HOUSING UNIT ALLOCATIONS RESERVED FOR THE SFA UNITS ON BULK PARCEL A, AS SHOWN ON S-00-12, AND IN ACCORDANCE WITH SECTION 16.1106.h.2.(ii) OF THE SUBDIVISION REGULATIONS.
- THERE ARE NO EXISTING PERMANENT STRUCTURES ON-SITE.
- P-01-16 AND F-01-140 ADDRESSED FOREST STAND DELINEATION, FOREST CONSERVATION AND PERIMETER LANDSCAPING FOR EMERSON SECTION ONE INCLUDING PARCEL A. IN ADDITION, OPEN SPACE OBLIGATIONS WERE ALSO ADDRESSED UNDER EMERSON SECTION 1, AREA 1, F-01-140.
- WP-01-99 - A WAIVER OF SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.115.c.(2) TO ALLOW GRADING AND CLEARING IN A FLOODPLAIN AREA, AND SECTION 16.116.g.2.(ii) TO ALLOW GRADING AND CLEARING IN A STREAM BUFFER, FOR WORK ASSOCIATED WITH THE INSTALLATION OF THE WATER AND SEWER EXTENSIONS FROM THE ADJOINING SHA REST AREA PROPERTY. WAIVER WAS APPROVED ON APRIL 6, 2001, SUBJECT TO THE FOLLOWING CONDITIONS:
 - THE FINAL ROAD CONSTRUCTION PLANS SHALL REFLECT THE WATER AND SEWER EXTENSION LAYOUT SHOWN ON THE WAIVER EXHIBIT DATED JANUARY 2, 2001, SUBMITTED WITH THE WAIVER APPLICATION.
 - GRADING AND CLEARING SHALL BE MINIMIZED AND AS MANY SPECIMEN TREES AS POSSIBLE SHALL BE PRESERVED, IN ACCORDANCE WITH THE WAIVER EXHIBIT DATED JANUARY 2, 2001, SUBMITTED WITH THE WAIVER APPLICATION.
- RESIDENTIAL INTERNAL LANDSCAPING AND PARKING LOT INTERNAL LANDSCAPING WILL BE ADDRESSED ON THE FUTURE SITE DEVELOPMENT PLAN FOR EMERSON SECTION 1, AREA 2.
- MAIL AND TRASH SERVICE WILL BE PROVIDED AT THE PUBLIC RIGHT-OF-WAY FOR LOTS 46-53. MAIL WILL BE IN A CENTRAL KIOSK WHILE A TRASH PAD WILL BE PROVIDED AT EACH END OF THE PRIVATE ROAD/PUBLIC ROAD JUNCTION.

BENCHMARKS

TRAVERSE POINT 102
ELEVATION 346.19
N 536,499.165
E 1,353,974.017
LOCATED NEAR THE
INTERSECTION OF GORMAN
ROAD AND SKYLARK BLVD.

TRAVERSE POINT 1154
ELEVATION 347.45
N 536,018.069
E 1,355,129.333
LOCATED NEAR THE
I-95 BRIDGE ALONG
GORMAN ROAD

CONTROL STATION 47E4
ELEVATION 339.00
N 535,846.16
E 1,355,431.23
LOCATED NEAR THE
I-95 BRIDGE ALONG
GORMAN ROAD



SITE TABULATION

AREA TABULATION

EXISTING ZONING	R-ED
GROSS SITE AREA - PARCEL A	6.12 ACRES
LESS STEEP SLOPES	0 ACRES **
LESS 100 YEAR FLOODPLAIN	0 ACRES
NET SITE AREA	6.12 ACRES
SLOPES GREATER THAN 25%, OUTSIDE 100 YEAR FLOODPLAIN, SUSTAINED AT LEAST 10 VERTICAL FEET.	
AREA OF PROPOSED LOTS - ATTACHED	3.04 ACRES
AREA OF PROPOSED OPEN SPACE - CREDITED TO HOMEOWNERS ASSOCIATION	2.13 ACRES
AREA OF PROPOSED OPEN SPACE - NON-CREDITED	0.15 ACRES
AREA OF PUBLIC ROADS	0.87 ACRES
AREA OF PRIVATE ROADS	0 ACRES
TOTAL AREA	6.12 ACRES
LIMIT OF DISTURBANCE	6.2 ACRES

MAXIMUM DENSITY ALLOWED - EMERSON SECTION ONE

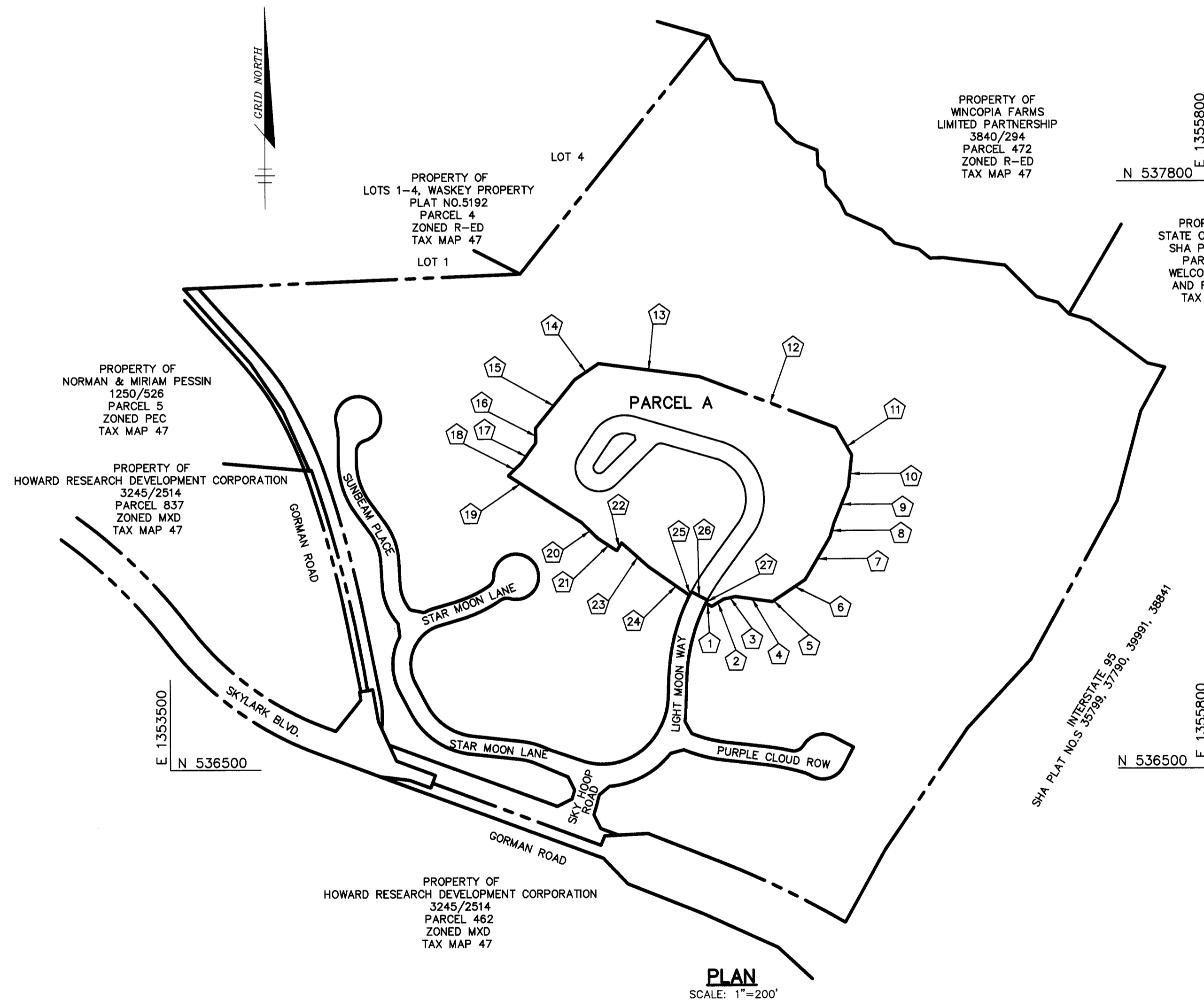
DENSITY: NO. OF UNITS ALLOWED AT 2 D.U./NET ACRE	90 D.U.
PROPOSED RESIDENTIAL LOTS/D.U. DETACHED (P-01-16)	34 D.U.
PARCEL A PROPOSED SFA UNITS (THIS PLAN)	54*
TOTAL PROPOSED RESIDENTIAL LOTS/D.U. EMERSON S/1	88 D.U.
OPEN SPACE LOTS - EMERSON PARCEL A	3 LOTS

* SEE NOTE 34

** THE AREA OF STEEP SLOPES AND FLOODPLAIN WAS NETTED OUT OF THE ACREAGE FOR DENSITY CALCULATIONS ON S-00-12 AND PB-346.

BOUNDARY CHART

1	S 63°21'59" E	15.00'
2	N 58°47'03" W	31.52'
3	N 78°34'42" E	26.08'
4	S 82°08'32" W	82.59'
5	S 56°37'58" W	7.70'
6	S 56°16'20" W	80.32'
7	S 30°33'58" W	109.08'
8	S 15°52'32" W	31.83'
9	S 21°46'05" W	86.22'
10	S 06°13'11" W	71.33'
11	S 29°37'55" E	70.32'
12	S 69°19'10" E	323.06'
13	S 82°35'36" E	225.01'
14	S 55°55'54" W	63.53'
15	S 39°04'11" W	137.70'
16	S 00°3'45" W	33.36'
17	N 35°41'13" W	54.97'
18	S 45°43'53" W	40.45'
19	S 57°14'52" E	193.04'
20	S 45°42'39" E	50.00'
21	S 57°14'52" E	50.14'
22	S 29°42'51" W	20.03'
23	S 48°37'15" E	80.00'
24	S 54°56'15" E	110.16'
25	R = 440.00' L = 9.00'	
26	S 62°13'14" E	40.00'
27	R = 400.00' L = 8.00'	



PLAN
SCALE: 1"=200'

OPEN SPACE TABULATION

OPEN SPACE REQUIRED (F-01-140)	12.96 ACRES (2.5% OF TOTAL SITE)
OPEN SPACE PROVIDED (F-01-140)	33.28 ACRES (64.2% OF TOTAL SITE)
OPEN SPACE - CREDITED	33.28 ACRES
OPEN SPACE - NON-CREDITED	0.00 ACRES
OPEN SPACE PROVIDED (P-01-21)	2.28 ACRES
OPEN SPACE - CREDITED	2.13 ACRES
OPEN SPACE - NON-CREDITED	0.15 ACRES
TOTAL OPEN SPACE PROVIDED	35.56 ACRES (68.6% OF TOTAL SITE)

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
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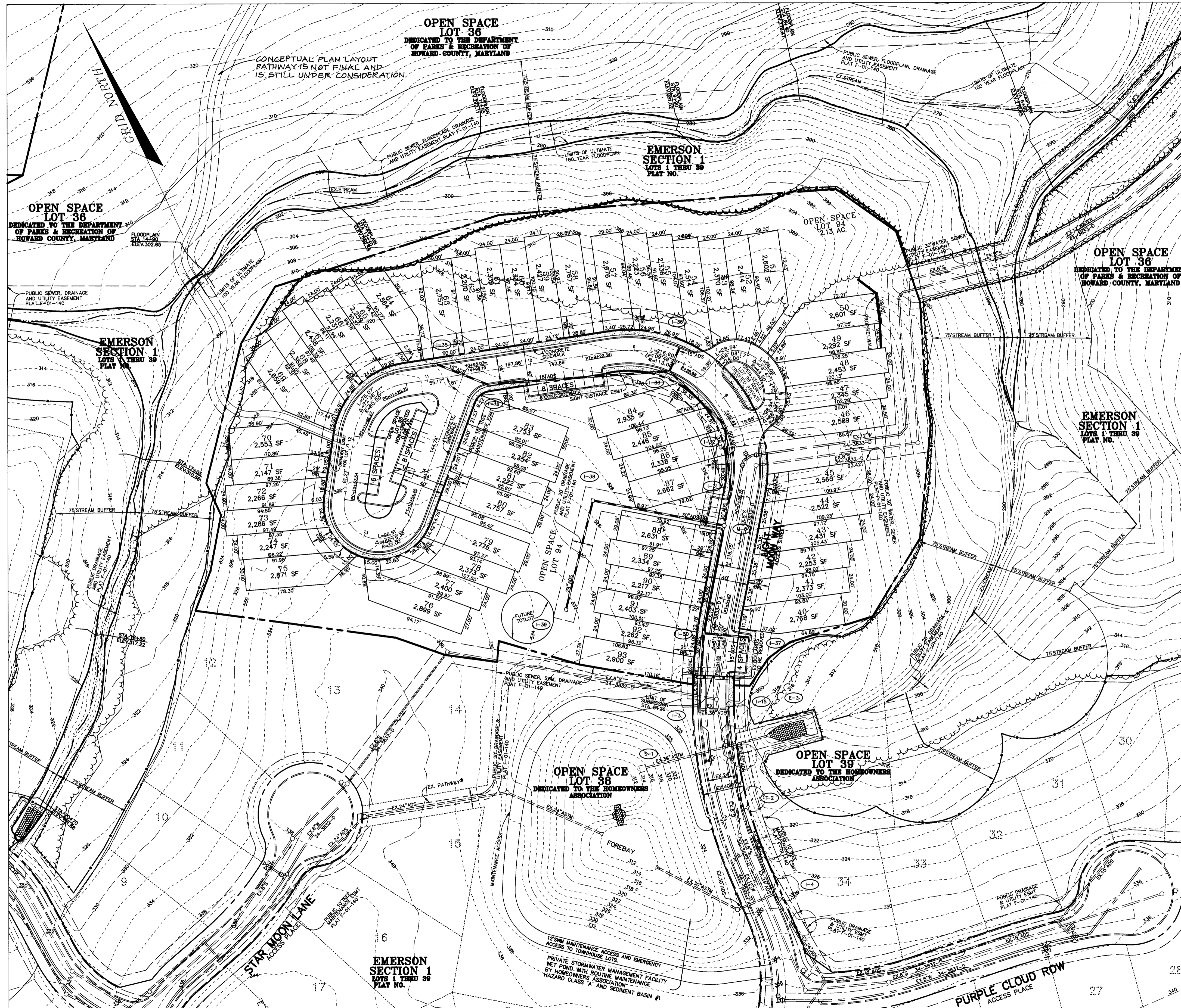
[Signature] DIRECTOR
DATE

DATE	NO.	REVISION
OWNER THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION THE ROUSE BUILDING 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044 410-992-6000		
DEVELOPER TROUTMAN COMPANY 9030 RED BRANCH ROAD SUITE 100 COLUMBIA, MARYLAND 21045 410-730-7065		
PROJECT EMERSON SECTION ONE AREA TWO LOTS 40-96 A RESUBDIVISION OF PARCEL A		
AREA TAX MAP 47 BLOCK 3, 8 & 9 ZONED: R-ED PARCEL: P/O 837 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE PRELIMINARY TITLE SHEET		

RIEMER MUEGGE
a division of
Patton Harris Rust & Associates, pc
ENGINEERS • SURVEYORS • PLANNERS
LANDSCAPE ARCHITECTS • ENVIRONMENTAL SPECIALISTS
8818 Centre Park Drive, Columbia, MD 21045 • tel 410.997.8900 fax 410.997.9282

DATE	DESIGNED BY :
	CJR
DRAWN BY :	DAM
PROJECT NO :	01058 PREL1.DWG
DATE :	JUNE 29, 2001
SCALE :	AS SHOWN
DRAWING NO. :	1 OF 4

ARTHUR E. MUEGGE #8707



*FURTHER CONSIDERATION OF A PATHWAY CONNECTION FROM STAR MOON LANE WITH LIGHT MOON WAY CUL-DE-SAC WILL BE RESOLVED WITH THE BOARD OF EDUCATION PRIOR TO FINAL PLAN APPROVAL.

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

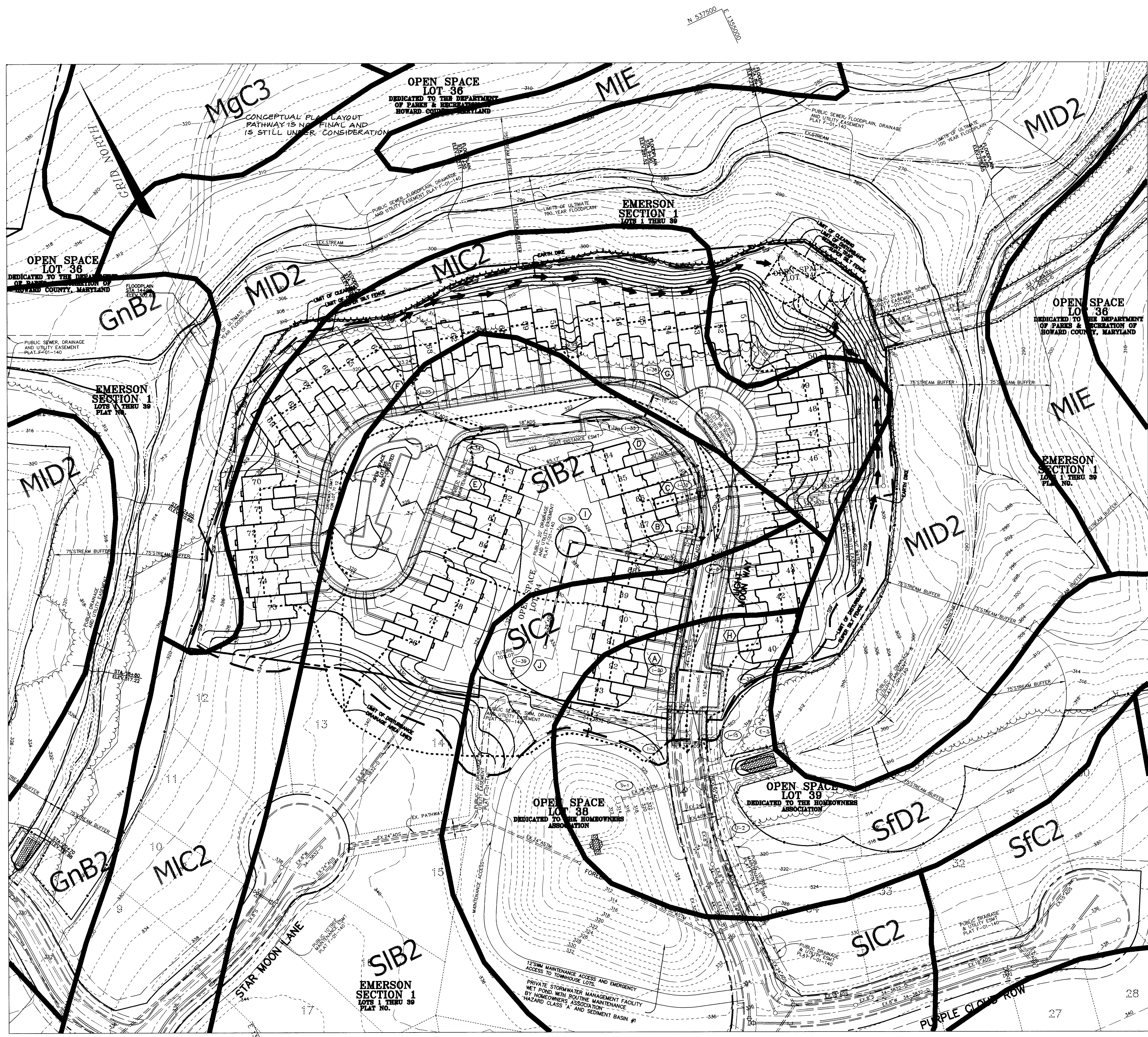
James R. ...
PLANNING DIRECTOR *7/1/01*
DATE

DATE NO.	REVISION
OWNER	THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION THE ROUSE BUILDING 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044 410-992-6000
DEVELOPER	TROUTMAN COMPANY 9030 RED BRANCH ROAD SUITE 100 COLUMBIA, MARYLAND 21045 410-730-7065
PROJECT	EMERSON SECTION ONE AREA TWO LOTS 40-96 A RESUBDIVISION OF PARCEL A
AREA	TAX MAP 47 BLOCK 3, B & 9 ZONED: R-ED PARCEL: P/O 837 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE
PRELIMINARY PLAN

RIEMER MUEGGE
Patton Harris Rust & Associates, pc
ENGINEERS • SURVEYORS • PLANNERS
LANDSCAPE ARCHITECTS • ENVIRONMENTAL SPECIALISTS
8818 Centre Park Drive, Columbia, MD 21045 • tel 410.997.8800 fax 410.997.8282

DATE	DESIGNED BY :
STATE OF MARYLAND ARTHUR E. MUEGGE #8707	CJR
	DRAWN BY: DAM
	PROJECT NO : 01058 PREL2.DWG
	DATE : JUNE 29, 2001
	SCALE : AS SHOWN
	DRAWING NO. 2 OF 4



PLAN
SCALE: 1" = 50'

SOILS CLASSIFICATION

SYMBOL	NAME	GROUP	DESCRIPTION
Gnb2	GLENVILLE	C	LOAM, 3% - 8% SLOPES, MODERATELY ERODED
MgC3	MANOR	B	GRAVELLY LOAM, 8% - 15% SLOPES, SEVERELY ERODED
MIC2	MANOR	B	LOAM, 8% - 15% SLOPES, MODERATELY ERODED
MID2	MANOR	B	LOAM, 15% - 25% SLOPES, MODERATELY ERODED
MIE	MANOR	B	LOAM, 25% - 45% SLOPES
SFC2	SASSAFRAS	B	GRAVELLY SANDY LOAM, 5% - 10% SLOPES, MODERATELY ERODED
SD2	SASSAFRAS	B	GRAVELLY SANDY LOAM, 10% - 15% SLOPES, MODERATELY ERODED
SIB2	SASSAFRAS	B	LOAM, 1% - 5% SLOPES, MODERATELY ERODED
SIC2	SASSAFRAS	B	LOAM, 5% - 10% SLOPES, MODERATELY ERODED

* HYDRIC SOILS
** MAY CONTAIN HYDRIC INCLUSIONS

LEGEND

SYMBOL	DESCRIPTION
---	LIMIT OF DISTURBANCE
~~~~~	EXISTING TREELINE
-----	DRAINAGE AREA LINES
---	SOIL LINES

**DRAINAGE CHART**

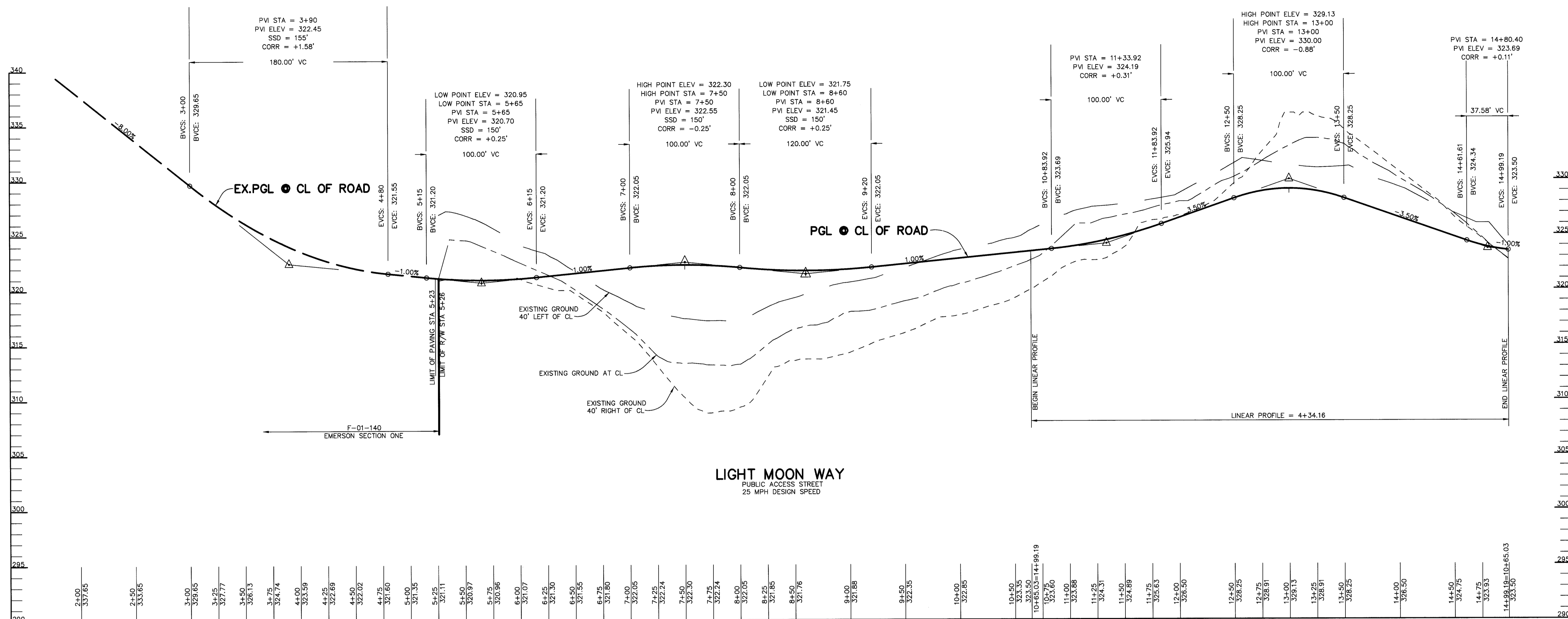
INLET NO.	INLET DESIGNATION	DRAINAGE AREA (AC)	'C' FACTOR	PERCENT IMPERVIOUS
I-30	A	0.41	0.60	41
I-31	B	0.06	0.65	33
I-32	C	0.04	0.54	50
I-33	D	0.32	0.62	63
I-34	E	0.66	0.64	65
I-35	F	0.51	0.65	67
I-36	G	0.80	0.67	70
I-37	H	0.34	0.71	76
I-38	I	0.62	0.34	19
I-39	J	0.58	0.26	7

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HOWARD COUNTY

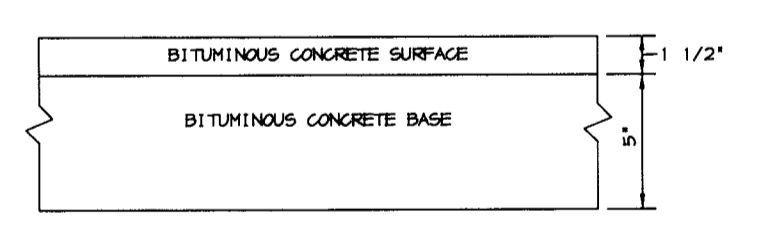
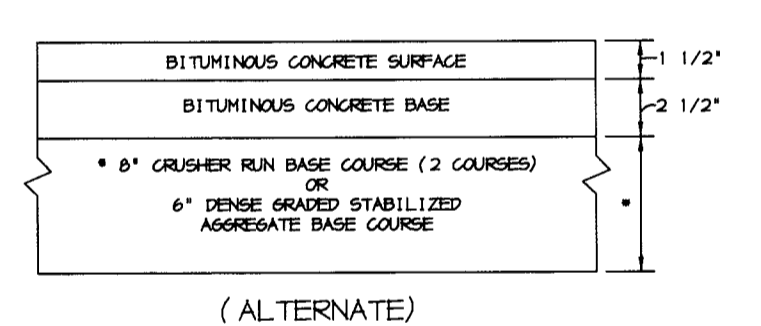
*James R. Rust* 7/11/01  
PLANNING DIRECTOR DATE

DATE NO.	REVISION
OWNER	THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION THE ROUSE BUILDING 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044 410-992-6000
DEVELOPER	TROUTMAN COMPANY 9030 RED BRANCH ROAD SUITE 100 COLUMBIA, MARYLAND 21045 410-730-7065
PROJECT	<b>EMERSON</b> SECTION ONE AREA TWO LOTS 40-96 A RESUBDIVISION OF PARCEL A
AREA	TAX MAP 47 BLOCK 3.8 & 9 ZONED: R-ED PARCEL: P/O 837 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	<b>PRELIMINARY DRAINAGE AREA MAP, GRADING PLAN AND SOILS MAP</b> RIEMER MUEGGE a division of Patton Harris Rust & Associates, pc ENGINEERS • SURVEYORS • PLANNERS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SPECIALISTS 8818 Centre Park Drive, Columbia, MD 21045 • tel 410.997.8900 fax 410.997.9282
DATE	DESIGNED BY : CJR
	DRAWN BY: DAM
	PROJECT NO : 01058 PREL3.DWG
	DATE : JUNE 29, 2001
	SCALE : AS SHOWN
ARTHUR E. MUEGGE #8707	DRAWING NO. 3 OF 4

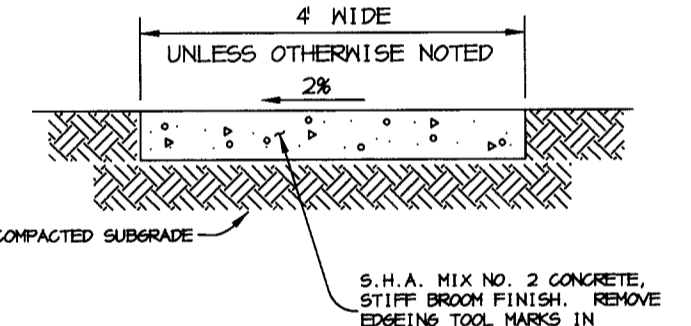
P:\project\01058\pre13.dwg Thu Jun 28 15:48:39 2001 RIEMER MUEGGE A DIVISION OF PARKA



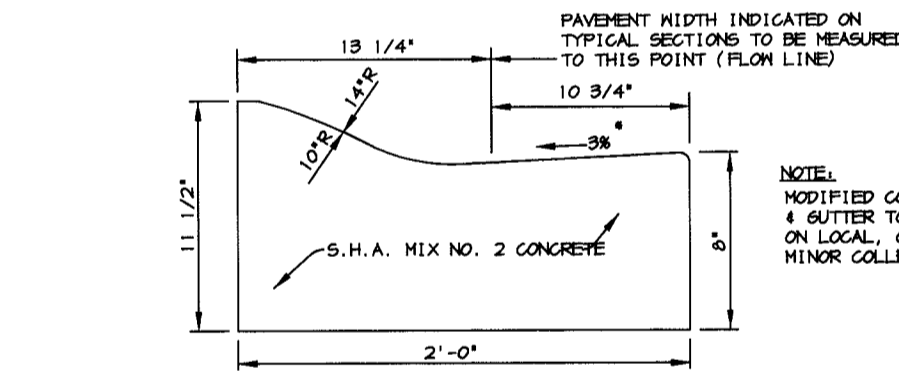
**PROFILE**  
SCALE:  
HOR. - 1" = 50'  
VERT. - 1" = 5'



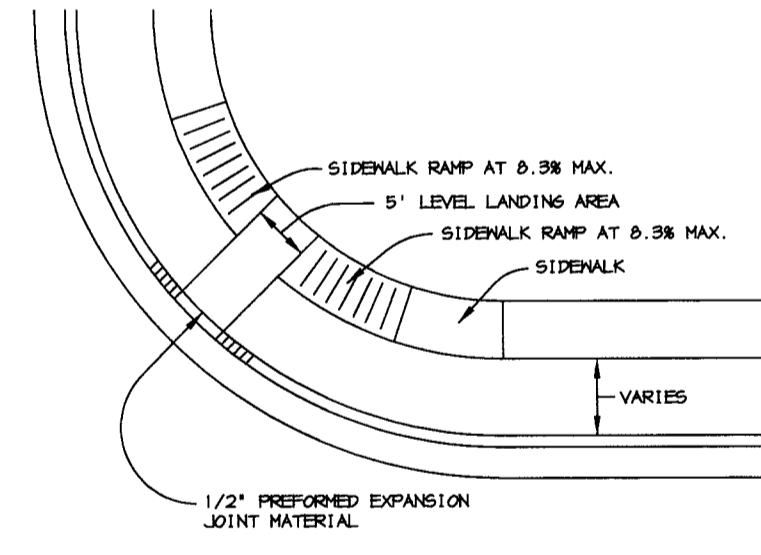
**P-2 PAVING**  
NO SCALE



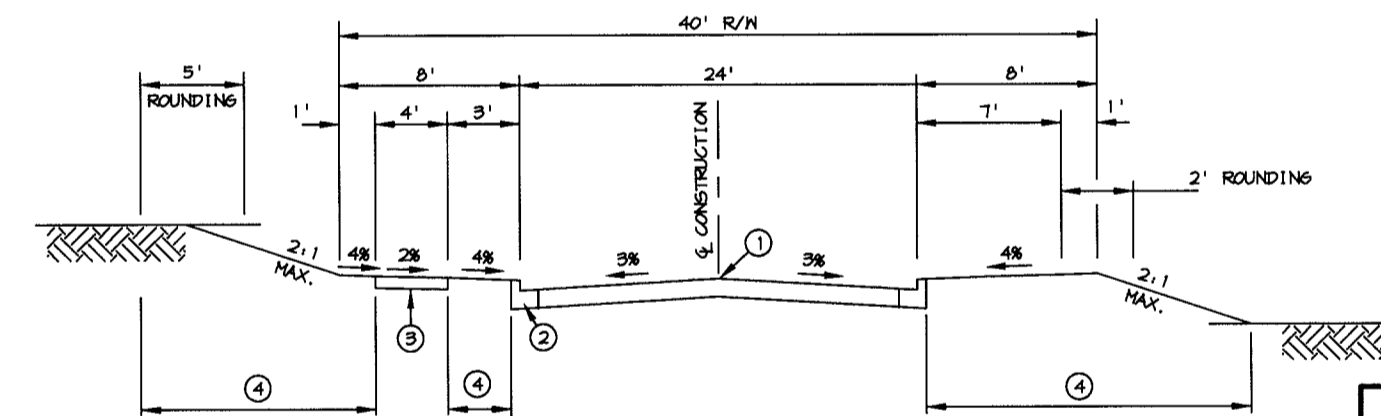
**SIDEWALK DETAIL**  
NO SCALE



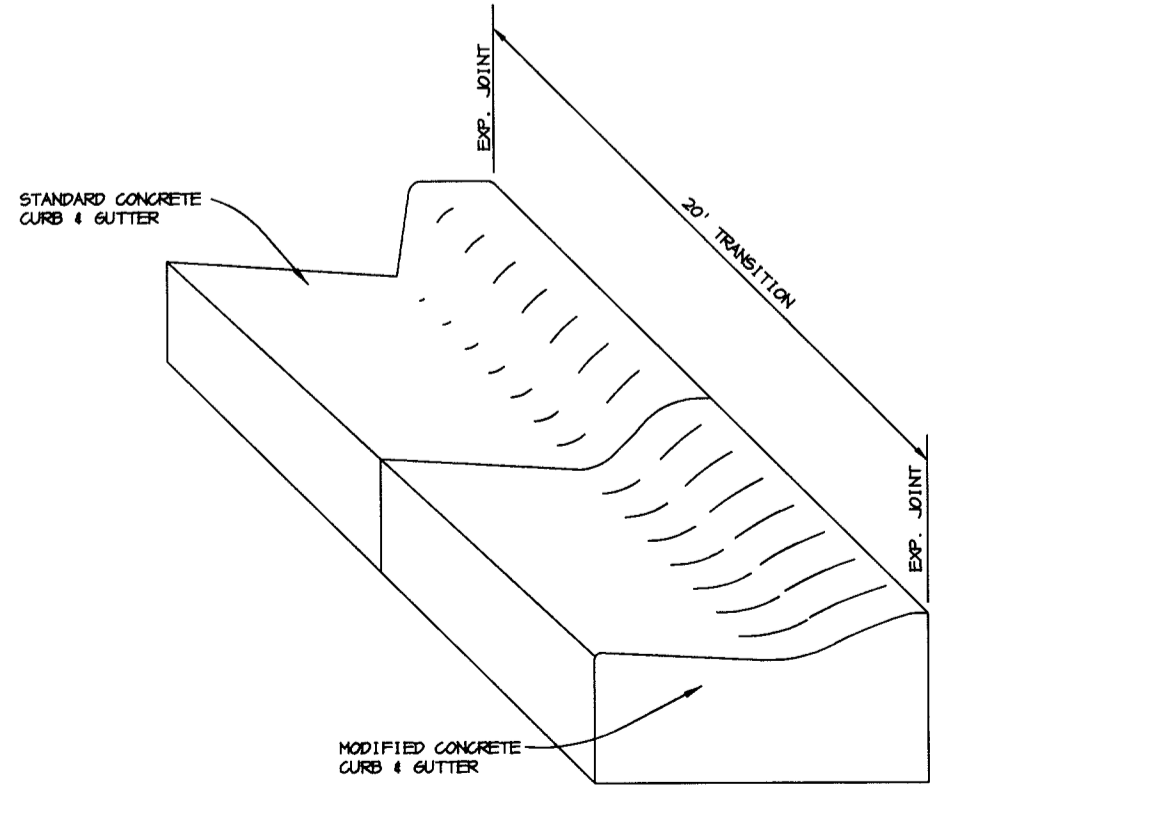
**MODIFIED COMBINATION CURB AND GUTTER**  
* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AND IN THE SAME DIRECTION AS THE PAVEMENT. MATCH PAVEMENT CROSS SLOPE WHEN CURB IS LOCATED ON THE LOW SIDE OF SUPERELEVATED SECTION AND THE RATE OF SUPERELEVATION IS GREATER THAN 3% FOR MODIFIED CURB AND GUTTER.



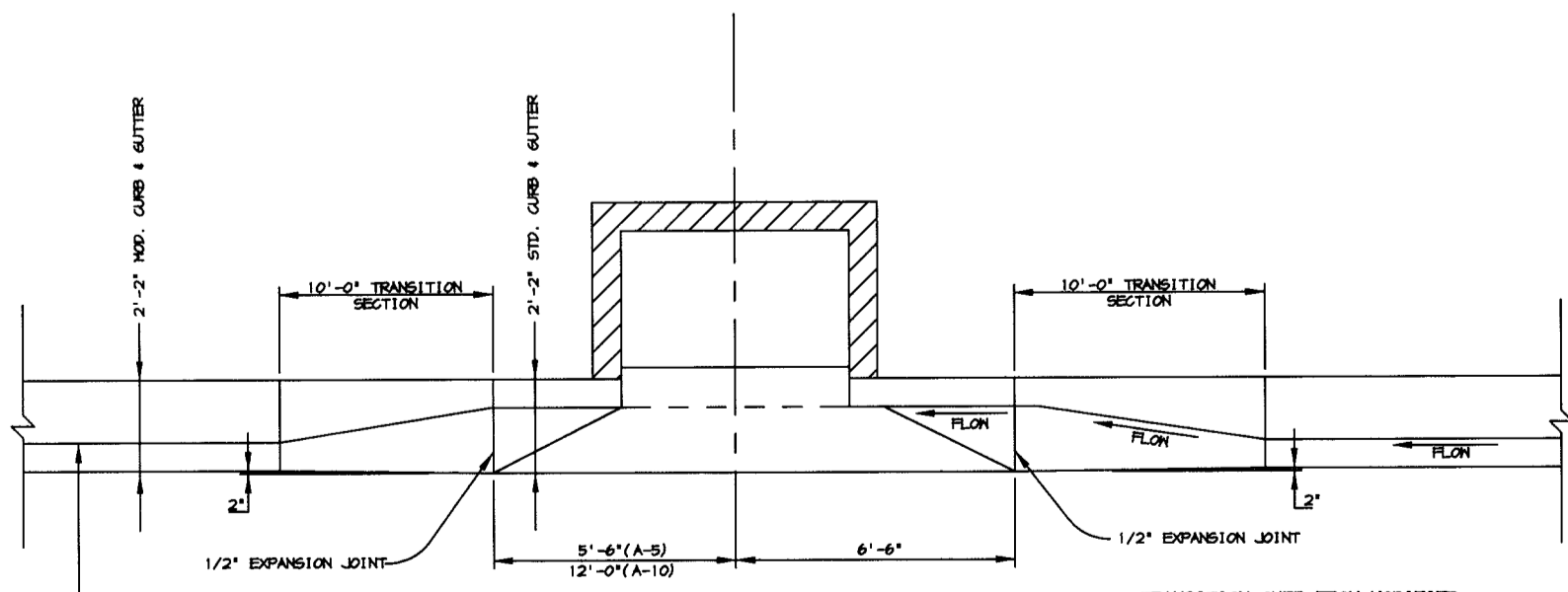
**HANDICAP RAMP DETAIL**  
NO SCALE



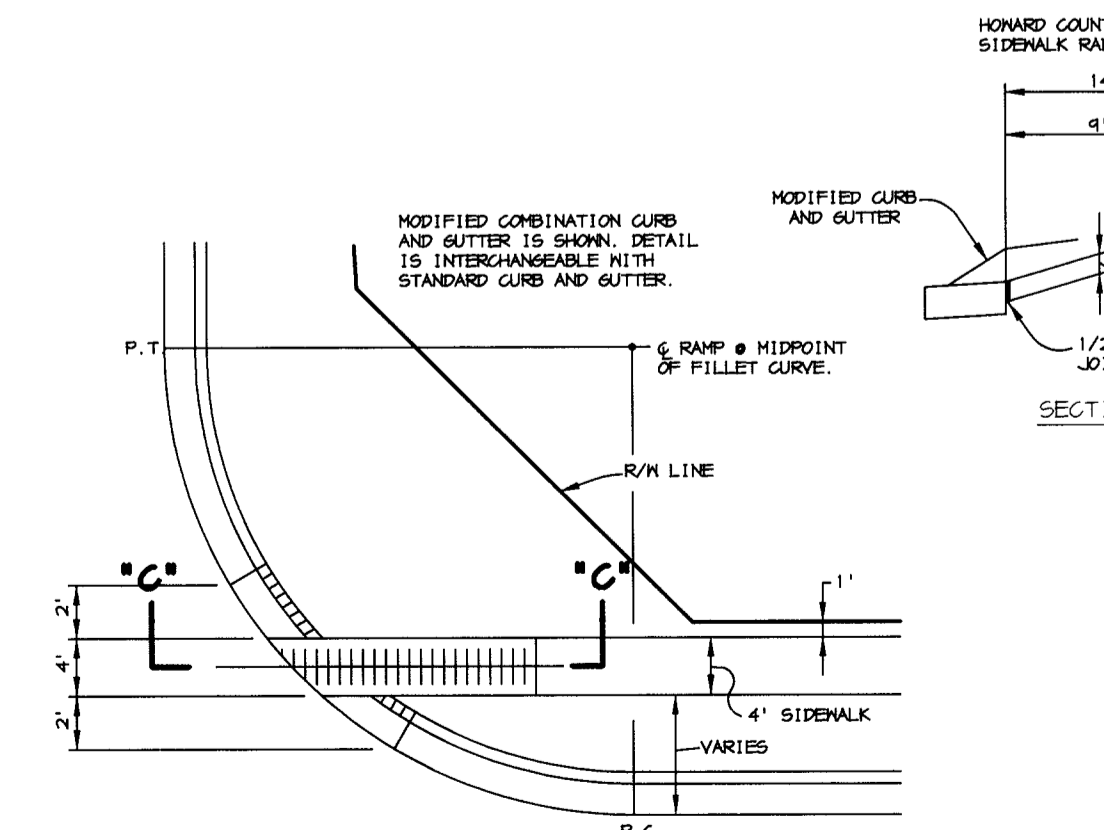
**TYPICAL SECTION ACCESS STREET**  
NO SCALE  
LIGHT MOON WAY FROM STA 5+26 TO STA 14+99 - 25 MPH DESIGN SPEED



**CONCRETE CURB AND GUTTER TRANSITION**  
NO SCALE



**MODIFIED COMBINATION CURB AND GUTTER TRANSITION CURB SECTION AT "A" TYPE INLETS**  
TRANSITION CURB FROM MODIFIED CURB & GUTTER TO STANDARD CURB & GUTTER AT A-9 & A-10 INLETS. CURB & GUTTER AT A-9 & A-10 INLETS IS INTERCHANGEABLE WITH STANDARD CURB AND GUTTER.  
NOTE: THIS DETAIL TO BE USED FOR MODIFIED CURB & GUTTER HAVING AN OVERALL HEIGHT OF 11 1/2" AT THE BACK OF CURB SECTION.



**HANDICAP RAMP DETAIL**  
NO SCALE

- ① PROFILE GRADE LINE (PGL). SEE DESIGN MANUAL.
- ② TYPE OF CURB (H.D. CONCR. CURB & GUTTER) SEE DESIGN MANUAL.
- ③ 4" CONCRETE SIDEWALK AS REQUIRED BY SUBDIVISION REGULATIONS.
- ④ INDICATES 2" TOPSOIL, SEED AND MULCH.

TENTATIVELY APPROVED  
DEPT. OF PLANNING AND ZONING OF  
HOWARD COUNTY  
*[Signature]*  
PLANNING DIRECTOR  
DATE: *[Signature]*

DATE	NO.	REVISION
<b>OWNER</b> THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION THE ROUSE BUILDING 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044 410-992-6000		
<b>DEVELOPER</b> TROUTMAN COMPANY 9030 RED BRANCH ROAD SUITE 100 COLUMBIA, MARYLAND 21045 410-730-7065		
<b>PROJECT</b> <b>EMERSON</b> SECTION ONE AREA TWO LOTS 40-96 A RESUBDIVISION OF PARCEL A		
<b>AREA</b> TAX MAP 47 BLOCK 3,8 & 9 ZONED: R-ED PARCEL: P/O 837 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
<b>TITLE</b> <b>PRELIMINARY ROAD PROFILES</b>		
<b>RIEMER MUEGGE</b> a division of: <b>Patton Harris Rust &amp; Associates, pc</b> ENGINEERS • SURVEYORS • PLANNERS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SPECIALISTS 8818 Centre Park Drive, Columbia, MD 21045 • tel 410.997.8900 fax 410.997.9282		
DATE	DESIGNED BY : CJR	
	DRAWN BY: DAM	
	PROJECT NO .01058 PREL4.DWG	
	DATE : JUNE 29, 2001	
	SCALE : AS SHOWN	
	DRAWING NO. 4 OF 4	