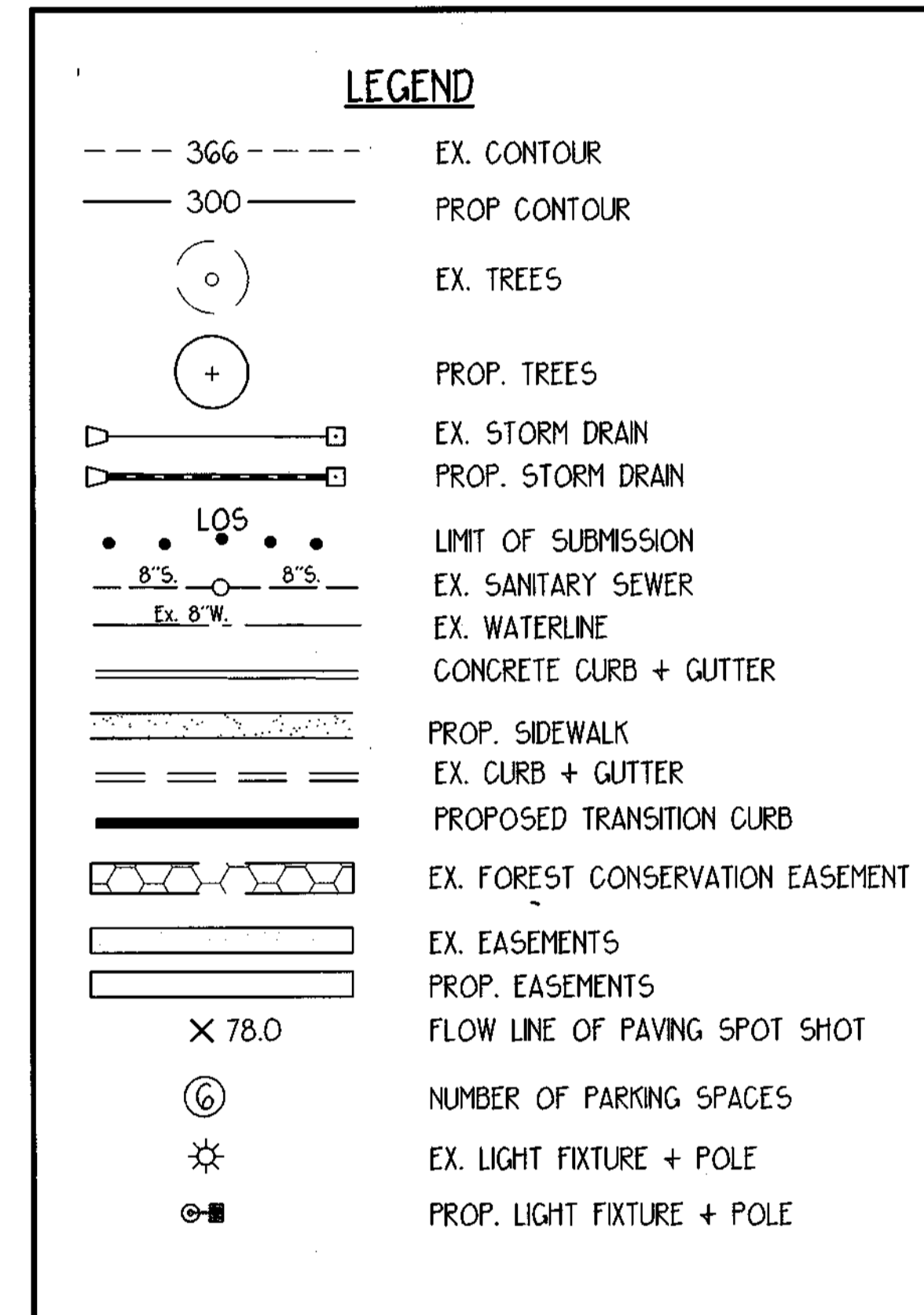
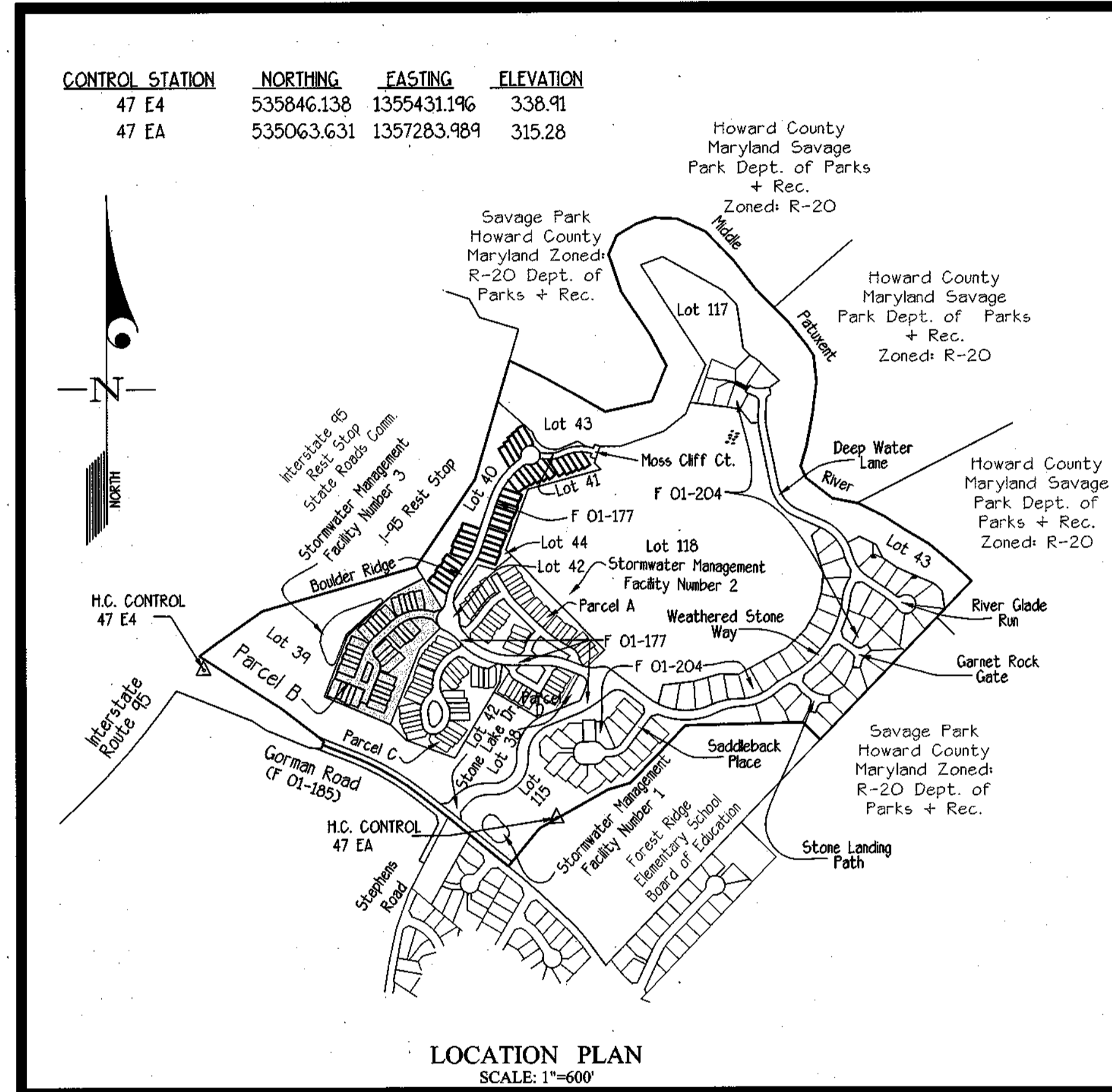
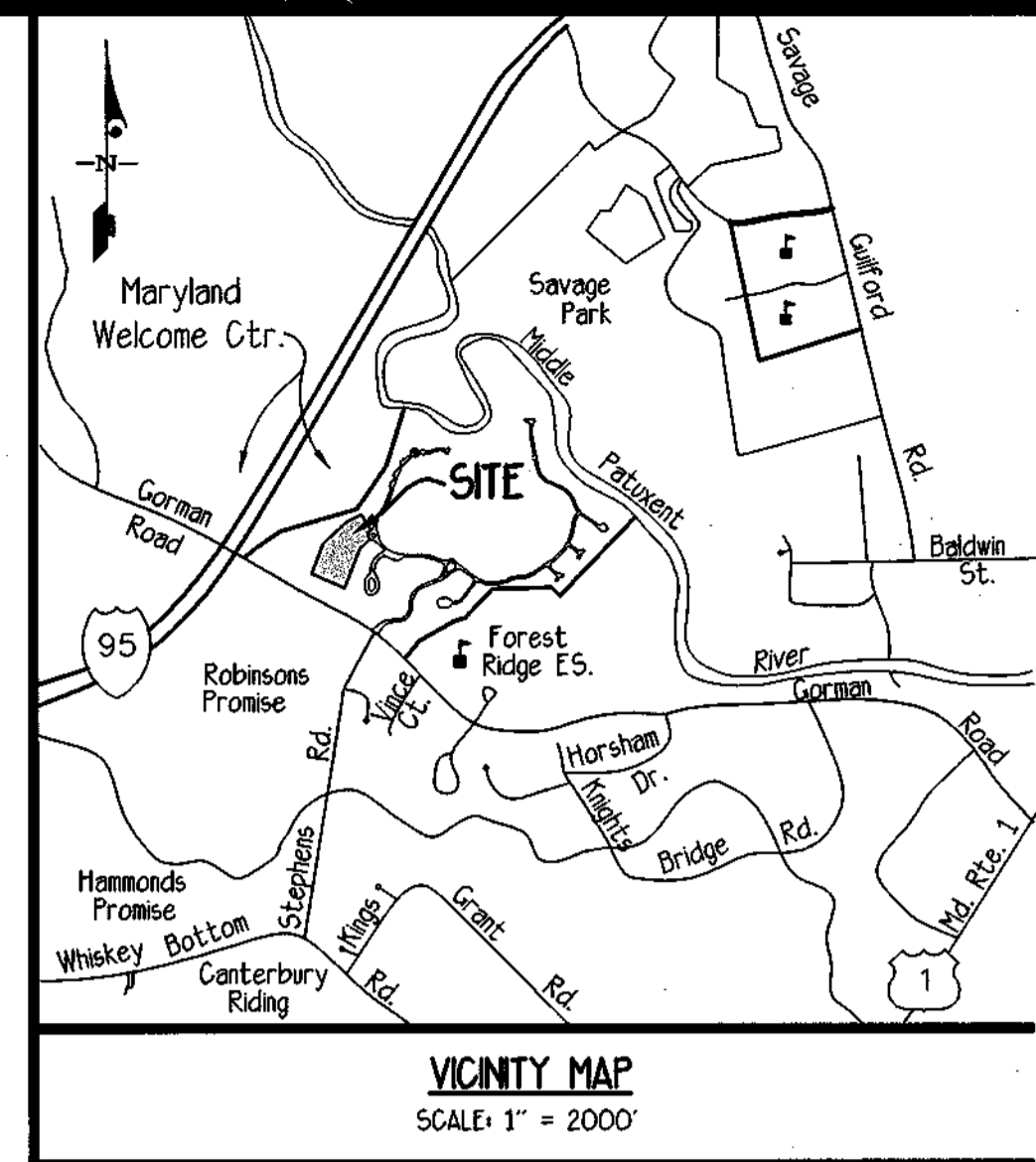


CONSTRUCTION PLAN FOR FOR STONE LAKE LOTS B-1 thru B-39 POLISHED PEBBLE WAY

GENERAL NOTES

- THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.
- PROJECT BACKGROUND:
LOCATION: GORMAN ROAD + STEPHENS ROAD
TAX MAP: 36-18, 37-13
ZONING: R-ED
ELECTION DISTRICT: G
GROSS AREA OF TRACT: 5.68 ACRES
- SEE DEPARTMENT OF PLANNING + ZONING FILE NUMBERS:
5 00-13, WP 01-60, PB 345, F 01-117, P 01-15, F 01-204, 5 02-20 + P 03-15.
- THE TOPOGRAPHY SHOWN HAS A 2' CONTOUR INTERVAL AND WAS DETERMINED BY AERIAL PHOTOGRAPHY BY DAFT, MCGUNE + WALKER, SUMMER 1998.
- PUBLIC WATER AND SEWER TO BE UTILIZED (CONTRACT NO. 24-4183-D). SITE IS IN METROPOLITAN DISTRICT.
- HORIZONTAL AND VERTICAL CONTROL BASED ON HOWARD COUNTY CONTROL STATIONS 47 EA + E4.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM BEST AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE MAINS BY DIGGING TEST PITS BY HAND AT ALL CROSSINGS WELL IN ADVANCE OF CONSTRUCTION. ANY DISCREPANCIES MUST BE COMMUNICATED TO THE ENGINEER AT ONCE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS /DIVISION OF CONSTRUCTION INSPECTION AT 1 (410) 313 - 1880 AT LEAST FIVE (5) DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THE PLANS.

MSU UTILITY	1-800-257-7777
VERIZON	1-800-446-5266
HOWARD COUNTY BUREAU OF UTILITIES	410-313-4900
AT+T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS + ELECTRIC CO.	410-850-4620 + 410-787-9068
- TYPES OF STORM DRAINS REFER TO THE STANDARD DETAILS OF HOWARD COUNTY AND MDSHA.
- TRENCH COMPACTION FOR STORM DRAINS WITHIN ROADS AND STREET RIGHT - OF - WAYS LIMITS SHALL BE IN ACCORDANCE WITH 'HOWARD COUNTY DESIGN MANUAL', VOL. IV, STANDARD G-2.01.
- SEDIMENT CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH '1994 MARYLAND STANDARDS AND SPECIFICATION FOR SOILS EROSION AND SEDIMENT CONTROL'.
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- STREET TREES SHALL BE PLANTED A MINIMUM OF FIVE (5) FEET FROM STORM DRAIN, WATERLINE OR SEWER PIPE MANHOLES; ALSO A MINIMUM OF TWENTY (20) FEET FROM STREET LIGHTS.
- COMPACTION IN FILL AREAS SHALL BE IN ACCORDANCE WITH AASHTO T-180 OR AS APPROVED IN THE DESIGN MANUAL VOLUME IV.
- WETLAND STREAM, STEEP SLOPE, AND FOREST COVER DELINEATION BY DAFT, MCGUNE AND WALKER.
- TRAFFIC STUDY WAS APPROVED AS PART OF THE SKETCH PLAN ON OCTOBER 10, 2000.
- ALL ROADS IN THIS DEVELOPMENT ARE PRIVATE.
- STREET TREE LOCATIONS SHOWN ARE TENTATIVE AND ARE TO BE USED FOR BOND PURPOSES ONLY. THE FINAL LOCATION AND VARIETY OF TREES MAY VARY TO ACCOMMODATE FIELD CONDITIONS AND BUILDERS LANDSCAPE PROGRAM.
- PARKING LOT INTERNAL LANDSCAPING FOR THIS PROJECT HAS BEEN PREPARED ACCORDING TO THE ALTERNATIVE COMPLIANCE PORTION OF THE LANDSCAPE MANUAL (CHAPTER VD).
- NOISE STUDY WAS APPROVED AS PART OF THE SKETCH PLAN OCTOBER 10, 2000.
- ON JANUARY 16, 2001, WP 01-60, WAIVER OF SECTION 16.120 c (2) WAS GRANTED WHICH REQUIRES ALL LOTS TO HAVE FRONTAGE ON A PUBLIC ROAD; AND SECTION 16.120 c (4) WHICH LIMITS THE LENGTH OF A PRIVATE ROAD FOR SFA UNITS TO 200'. SUBJECT TO ONE CONDITION IN THE APPROVAL LETTER.
- LANDSCAPE SCHEDULE A, PERIMETER LANDSCAPE EDGE, FOR LOTS B-17, B-22, B-32 + B-36 AND THE SCHEDULE C, RESIDENTIAL DEVELOPMENT INTERNAL LANDSCAPING WILL BE SUBMITTED AND APPROVED UNDER THE SITE DEVELOPMENT PLANS.



SHEET INDEX

- COVER SHEET
- POLISHED PEBBLE WAY-ROAD PLAN + PROFILES.
- SITE + LANDSCAPE DETAILS.
- GRADING PLAN.
- STORM DRAIN PROFILES.
- STORM DRAIN DRAINAGE AREA MAP.
- SEDIMENT AND EROSION CONTROL PLAN.
- SEDIMENT AND EROSION CONTROL DETAILS.

PRELIMINARY PARKING TABULATION

Total Parking Required 36 units x 2 spaces/unit = 72 Spaces

Parking Provided:
Garages: 72 Spaces (2 ea. SFA)
Driveways: 36 Spaces (1 ea. SFA)
Surface: Spaces: 21 Spaces
Total: 129 Spaces

OVERFLOW/GUEST PARKING REQUIREMENTS (PER DESIGN MANUAL VOLUME II 2.8.2)

OVERFLOW/GUEST PARKING REQUIRED = 36 UNITS X 0.5 SPACES PER UNIT = 18 SPACES
OVERFLOW/GUEST PARKING PROVIDED = 129 SPACES - 72 REQUIRED SPACES = 57 OVERFLOW/GUEST PARKING SPACES

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
PRIVATE ROADS, DRAINS + SWM
Chief, Bureau of Highways

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING
Chief, Division of Planning and Development
Chief, Development Engineering Division

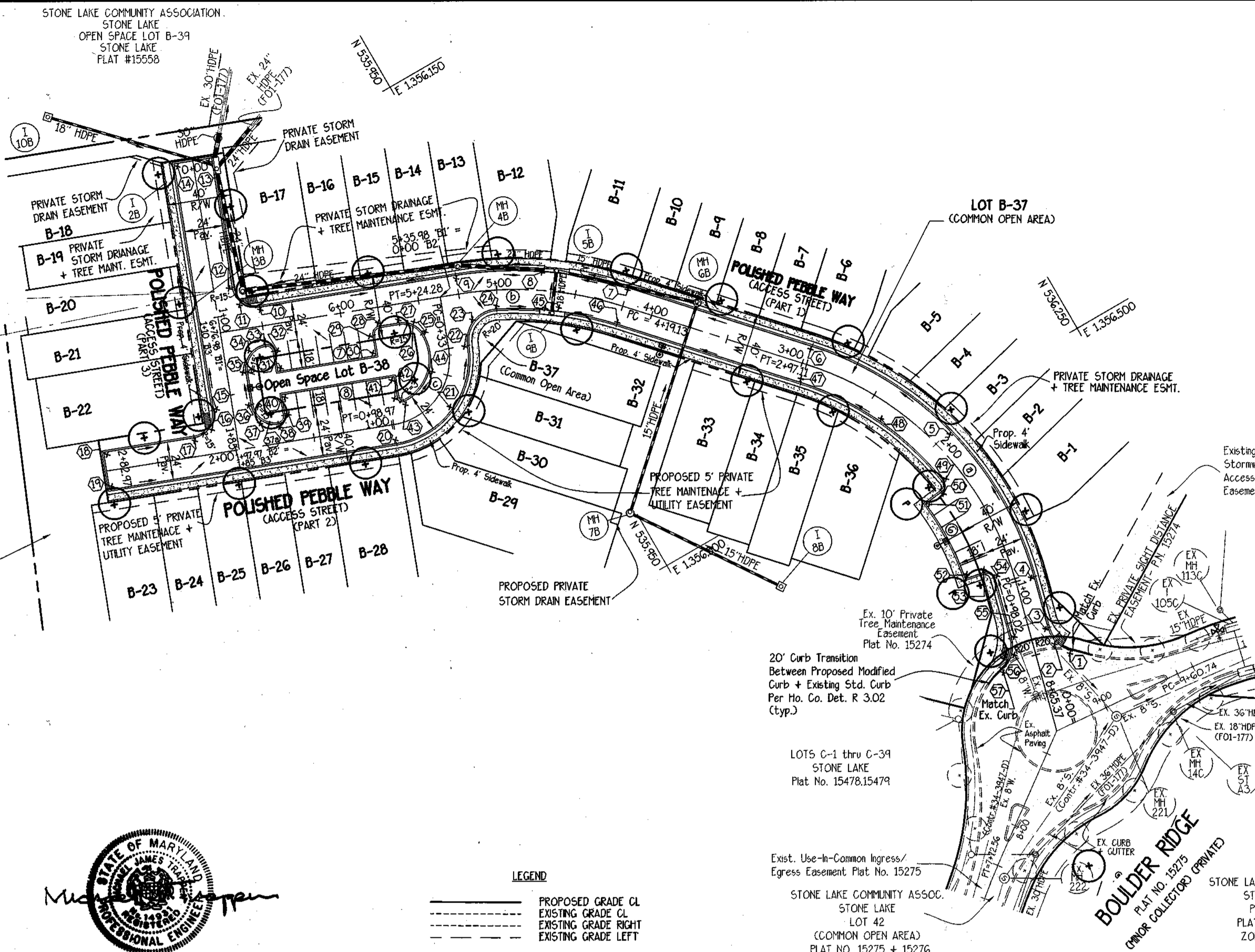


GLWGUTSCHICK LITTLE & WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186		OWNER & PREPARED FOR: STONE LAKE CORPORATION C/O THE HOWARD RESEARCH & DEVELOPMENT CORP. THE ROUSE BUILDING 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044 ATTN: JOE NECKER TELE: (410) 992-6084		COVER SHEET STONE LAKE LOTS B-1 thru B-39 A RESUBDIVISION OF PARCEL 'B'		SCALE AS SHOWN	ZONING R-ED	G. L. W. FILE No. 99140
DES. BJM DRN. BJM CHK. NJT		DATE		REVISION		DATE NOV., 2003	TAX MAP - GRID 47 - 7 P/O PARCEL 837	SHEET 1 OF 8

04-22

PT. No.	STATION	OFFSET	ELEV.
1	---	---	MATCH EX.
2	0+53.96	15.00' Rt.	308.85
3	0+64.50	12.00' Rt.	309.11
4	0+98.02	12.00' Rt.	309.37
5	1+97.56	12.00' Rt.	307.80
6	2+47.11	12.00' Rt.	304.53
7	4+19.13	12.00' Rt.	301.98
8	4+71.70	12.00' Rt.	301.78
9	5+24.28	12.00' Rt.	302.26
10	6+49.98	12.00' Rt.	304.38
11	6+60.59	16.39' Rt.	304.44
12	0+83.00	12.00' Lt.	304.02
13	0+00.00	12.00' Lt.	300.19
14	0+00.00	12.00' Lt.	300.19
15	1+58.00	12.00' Rt.	300.91
16	1+68.61	16.00' Rt.	306.77
17	2+24.47	12.00' Rt.	307.29
18	2+82.47	12.00' Rt.	308.45
19	2+82.47	12.00' Lt.	309.17
20	0+98.97	12.00' Lt.	304.77
21	0+65.99	12.00' Lt.	304.09
22	0+33.00	12.00' Lt.	303.30
23	0+18.20	18.62' Lt.	302.77
24	5+00.57	12.00' Lt.	302.32
25	5+50.49	21.00' Lt.	303.62
26	5+56.02	14.45' Lt.	303.62
27	5+64.24	12.00' Lt.	303.62
28	5+76.98	12.00' Lt.	303.48
29	5+81.98	17.00' Lt.	304.08
30	5+81.98	30.00' Lt.	304.47
31	6+44.98	30.00' Lt.	305.57
32	6+44.98	17.00' Lt.	305.18
33	6+49.98	12.00' Lt.	305.12
34	6+60.59	16.39' Lt.	305.41
35	1+37.00	12.00' Lt.	305.70
36	1+58.00	12.00' Lt.	306.23
37	1+68.61	16.39' Lt.	306.70
38	1+76.56	13.08' Rt.	306.80
39	1+70.97	12.00' Rt.	306.70
40	1+65.97	17.00' Rt.	306.98
41	1+65.97	30.00' Rt.	307.37
42	0+82.33	29.00' Rt.	305.36
43	0+90.93	15.73' Rt.	305.35
44	0+86.34	12.00' Rt.	305.24
45	0+51.03	12.00' Rt.	304.46

PT. No.	STATION	OFFSET	ELEV.
46	4+68.20	12.00' Lt.	301.81
47	4+19.13	12.00' Lt.	302.03
48	2+97.11	12.00' Lt.	304.84
49	2+38.06	12.00' Lt.	306.64
50	1+79.01	12.00' Lt.	308.44
51	1+73.55	17.07' Lt.	308.75
52	1+73.55	30.00' Lt.	309.14
53	1+10.02	30.00' Lt.	310.83
54	1+10.02	17.07' Lt.	310.44
55	1+04.55	12.00' Lt.	310.34
56	0+64.50	12.00' Lt.	309.78
57	0+53.96	15.00' Lt.	309.77
58	---	---	MATCH EX.



SYMBOL	NAME (BOTANICAL/COMMON)	SIZE	QUANTITY	REMARKS
Qr	Quercus Rubra / Red Oak	2'-3" Cal. 12'-14' Ht.	28	B, D FULL HEAD

LOCATION	LAMP TYPE	MOUNTING	POLE TYPE
C.L. STA. 1+41.59 - 38' L. B1	100-W HIGH PRESSURE SODIUM VAPOR	TRADITIONARE POST TOP	14' BLACK FIBERGLASS
C.L. STA. 3+87.76 - 23' L. B1	100-W HIGH PRESSURE SODIUM VAPOR	TRADITIONARE POST TOP	14' BLACK FIBERGLASS
C.L. STA. 1+47.59 - 18' L. B3	100-W HIGH PRESSURE SODIUM VAPOR	TRADITIONARE POST TOP	14' BLACK FIBERGLASS

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
a	199.04'	200.00'	108.67'	190.97'	N 76°10'24" E	57°02'05"
b	105.15'	225.00'	53.55'	104.91'	N 34°16'10" E	26°46'33"
c	65.97'	42.00'	42.00'	59.40'	S 24°07'06" E	90°00'00"

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 PRIVATE ROADS, DRAINS + SWM
 Chief, Bureau of Highways
 Date: 12/19/02

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING
 Chief, Division of Land Development
 Date: 12/19/02

Chief, Development Engineering Division
 Date: 12/19/02



LEGEND
 - - - - - PROPOSED GRADE CL
 - - - - - EXISTING GRADE CL
 - - - - - EXISTING GRADE RIGHT
 - - - - - EXISTING GRADE LEFT

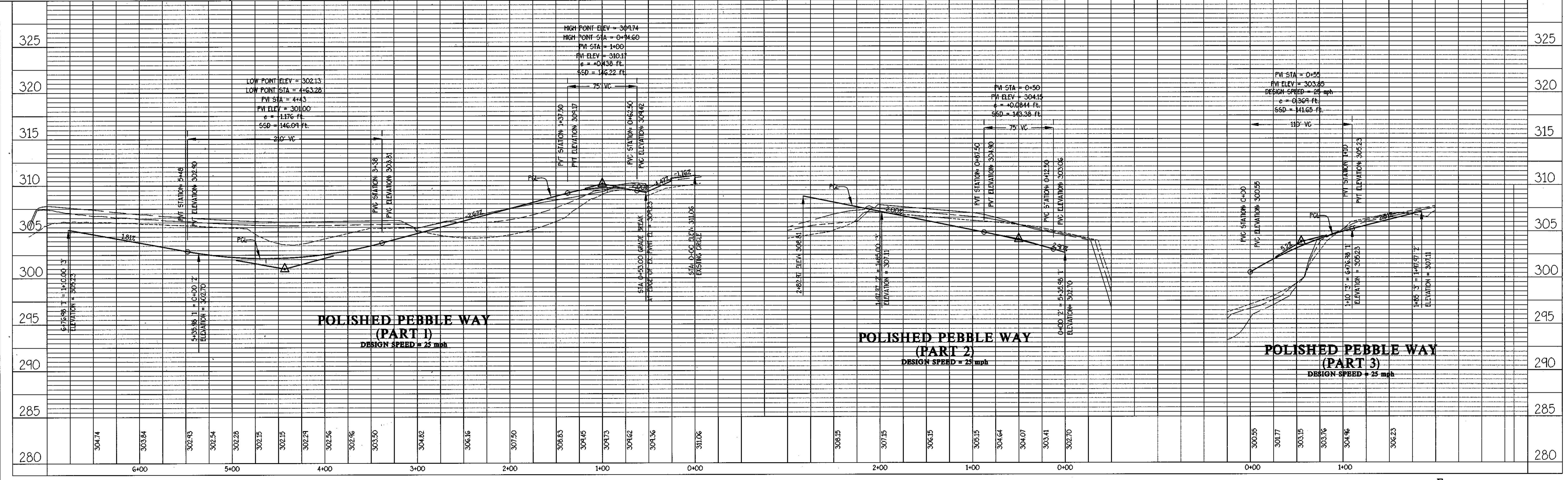
GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

CONSTRUCTION PLAN
STONE LAKE
POLISHED PEBBLE WAY
 PART 1 - STATION 0+00 TO STATION 6+76.98
 PART 2 - STATION 0+00 TO STATION 2+82.97
 PART 3 - STATION 0+00 TO STATION 1+85.00
 ELECTION DISTRICT No. 6 HOWARD COUNTY, MARYLAND

DESIGNED: BJM
 DRAWN: BJM
 CHECKED: MJT
 DATE: JULY, 2003

SCALE: 1"=50'
 DRAWING: 2 OF 8
 ZONING: R-ED
 JOB No.: 99140

PREPARED FOR:
 STONE LAKE CORPORATION
 C/O THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
 THE ROUSE BUILDING
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044
 ATTN: JOE NECKER
 PH: (410) 992-6084



PLANT MATERIALS AND PLANTING METHODS

A. Plant Materials

The landscape contractor shall furnish and install and/or dig, ball, burlap and transplant all of the plant materials called for on drawings and/or listed in the Plant Schedule.

1. Plant Names
Plant names used in the Plant Schedule shall conform with "Standardized Plant Names," latest edition.

2. Plant Standards
All plant material shall be equal to or better than the requirements of the "USA Standard for Nursery Stock" latest edition, as published by the American Association of Nurserymen (hereafter referred to as AAN Standards). All plants shall be typical of their species and variety, shall have a normal habit of growth and shall be first quality, sound, vigorous, well-branched and with healthy, well-furnished root systems. They shall be free of disease, insect pests and mechanical injuries.

All plants shall be nursery grown and shall have been grown under the same climate conditions as the location of this project for at least two years before planting. Neither heeled-in plants nor plants from cold storage will be accepted.

3. Plant Measurements
All plants shall conform to the measurements specified in the Plant Schedule as approved by the ARC.

a. Caliper measurements shall be taken six inches (6") above grade for trees under four-inch (4") caliper and twelve (12") above grade for trees four inches (4") in caliper and over.

b. Minimum branching height for all shade trees shall be six feet (6'), maximum eight feet (8').

c. Caliper, height, spread and size of ball shall be generally as follows:

CALIPER	HEIGHT	SPREAD	SIZE OF BALL
3" - 3.5"	14'-16'	6'-8'	32" diameter
3.5" - 4"	14'-16'	8'-10'	36" diameter
4" - 4.5"	16'-18'	8'-10'	40" diameter
4.5" - 5"	16'-17'	10'-12'	44" diameter
5" - 5.5"	16'-20'	10'-12'	48" diameter
5.5" - 6"	18'-20'	12'-14'	52" diameter

All plant material shall generally average the median for the size ranges indicated above as indicated in the "AAN Standards".

4. Plant Identification
Legible labels shall be attached to all shade trees, minor trees, specimen shrubs and bundles or boxes of other plant material giving the botanical and common names, size and quantity of each. Each shipment of plants shall bear certificates of inspection as required by Federal, State and County authorities.

5. Plant Inspection
The ARC may, upon request by the builder or developer, at least ten (10) days prior to the installation of any proposed plant material, inspect all proposed plant material at the source of origin.

B. Planting Methods
All proposed plant materials that meet the specifications in Section A are to be planted in accordance with the following methods during the proper planting seasons as described in the following:

1. Planting Seasons

The planting of deciduous trees, shrubs and vines shall be from March 1st to June 15th and from September 15th to December 15th. Planting of deciduous material may be continued during the winter months providing there is no frost in the ground and frost-free topsoil planting mixtures are used.

The planting of evergreen material shall be from March 15th to June 15th and from August 15th to December 1st. No planting shall be done when ground is frozen or excessively moist. No frozen or wet topsoil shall be used at any time.

3. Excavation of Plant Pits

The landscaping contractor shall excavate all plant pits via pits, back breaks and shrub beds in accordance with the following schedule:

- Locations of all proposed plant material shall be stated and approved in the field by the landscape architect before any of the proposed plant material is installed by the landscape contractor.
- All pits shall be generally circular in outline, vertical sides, depth shall not be less than 6" deeper than the root ball diameter shall not be less than two times the diameter of the root ball as set forth in the following schedule.
- If areas are designated as shrub beds or hedge trenches, they shall be excavated to at least 18" depth minimum. Areas designated for ground covers and vines shall be excavated to at least 12" in depth minimum.
- Diameter and depth of tree pits shall generally be as follows:

PLANT SIZE	ROOT BALL	PIT DIAMETER	PIT DEPTH
3" - 3.5" cal.	32"	48"	28"
3.5" - 4" cal.	36"	72"	32"
4" - 4.5" cal.	40"	80"	36"
4.5" - 5" cal.	44"	80"	40"
5" - 5.5" cal.	48"	96"	44"
5.5" - 6" cal.	52"	104"	48"

A 20% compaction figure of the soil to be removed is assumed and will be allowed in calculation of extra topsoil. The tabulated pit sizes are for purposes of uniform calculation and shall not override the specified depths below the bottoms of the root balls.

4. Staking, Guying and Wrapping

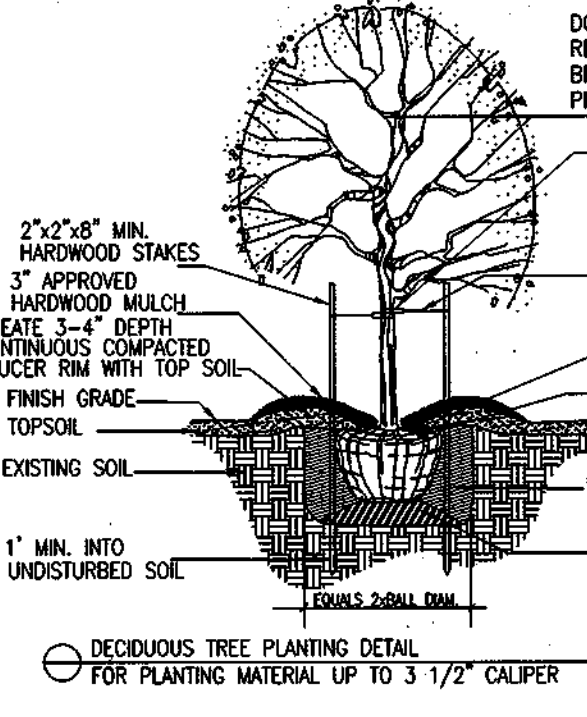
All plant material shall be staked or guyed, and wrapped in accordance with the following specifications:

- Stakes: Shall be sound wood 2" x 2" rough sawn oak or similar durable woods, or lengths, minimum 7'-0" for major trees and 5'-0" minimum for minor trees.
- Wire and Cable: Wire shall be #10 galvanized or hot-dipped galvanized steel wire. For trees over 3" caliper, provide 5/16" turn buckles, eye and eye with 4" take-up. For trees over 5" caliper, provide 3/16" 7 strand cable cadmium plated steel with galvanized "eye" thimbles of wire and hose on trees up to 3" in caliper.
- Hose: Shall be new, 2 ply reinforced rubber hose, minimum 1/2" I.D. "Plastic Lock Ties" or "Paul's Trees Braces" may be used in place of wire and hose on trees up to 3" in caliper.

d. All trees under 3" in caliper are to be planted and staked in accordance with the attached "Typical Tree Staking Detail".

5. Plant Pruning, Edging and Mulching

- Each tree, shrub or vine shall be pruned in an appropriate manner to its particular requirements, in accordance with accepted standard practice. Broken or bruised branches shall be removed with clean cuts flush with the adjacent trunk or branches. All cuts over 1" in diameter shall be painted with an approved antiseptic tree wound dressing.
- All trenches and shrub beds shall be edged and cultivated to the lines shown on the drawing. The areas around isolated plants shall be edged and cultivated to the full diameter of the pit. Sod which has been removed and stacked shall be used to trim the edges of all excavated areas to the neat lines of the plant pit saucers, the edges of shrub areas, hedge trenches and vine pockets.
- After cultivation, all plant materials shall be mulched with a 2" layer of fine, shredded pine bark, peat moss, or another approved material over the entire area of the bed or saucer.



G. Plant Inspection and Acceptance

The ARC shall be responsible for inspecting all planting projects on a periodic basis to assure that all work is proceeding in accordance with the approved plans and specifications.

7. Plant Guarantee

All plant material shall be guaranteed for the duration of one full growing season, after final inspection and acceptance of the work in the planting project. Plants shall be alive and in satisfactory growing condition at the end of the guarantee period.

- For this purpose, the "growing season" shall be that period between the end of the "Spring" planting season, and the commencement of the "Fall" planting season.
- Guarantee for planting performed after the specified end of the "Spring" planting season, shall be extended through the end of the next following "Spring" planting season.

Sodding

All sodding shall be in accordance to the "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Areas" latest edition, approved by the Landscape Contractors Association of Metropolitan Washington and the American Society of Landscape Architects.

LANDSCAPING NOTES

- This plan has been prepared in accordance with the New Town Alternative Compliance provisions of Section 16.124 of the Howard County Code and the Howard County Landscape Manual.
- Contractor shall notify all utilities at least (5) five days before starting work. All General Notes, especially those regarding utilities, on Sheet 1 shall apply.
- Field verify underground utility locations and existing conditions before starting planting work. Contact engineer / landscape architect if any relocations are required.
- Plant quantities shown on Plant List are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on the plan and those shown on the plant list, the quantities on the plan shall take precedence.
- All plant material shall be full heavy, well formed, and symmetrical, and conform to the A.A.N. Specifications, and be installed in accordance with project specifications.
- No substitution shall be made without written consent of the owner or his representative.
- All areas disturbed by construction activities but not otherwise planted, paved, or mulched shall be seeded or sodded in accordance with the project specifications.
- The contractor shall notify the owner in writing if he/she encounters soil drainage conditions which may be detrimental to the growth of the plants.
- All exposed earth within limits of planting beds shall be mulched with shredded hardwood mulch per Planting Details.
- Financial surety for the required landscaping per schedule A and B shall be posted with the Developer's Agreement in the amount of \$600,000.
- The owner, tenant, and/or their agents shall be responsible for maintenance of the required landscaping, including both plant materials and berms, fences and walls. All plant materials shall be maintained in good growing condition and when necessary, replaced with new materials to ensure continued compliance with applicable regulations. All other required landscaping shall be permanently maintained in good condition, and when necessary, repaired or replaced.

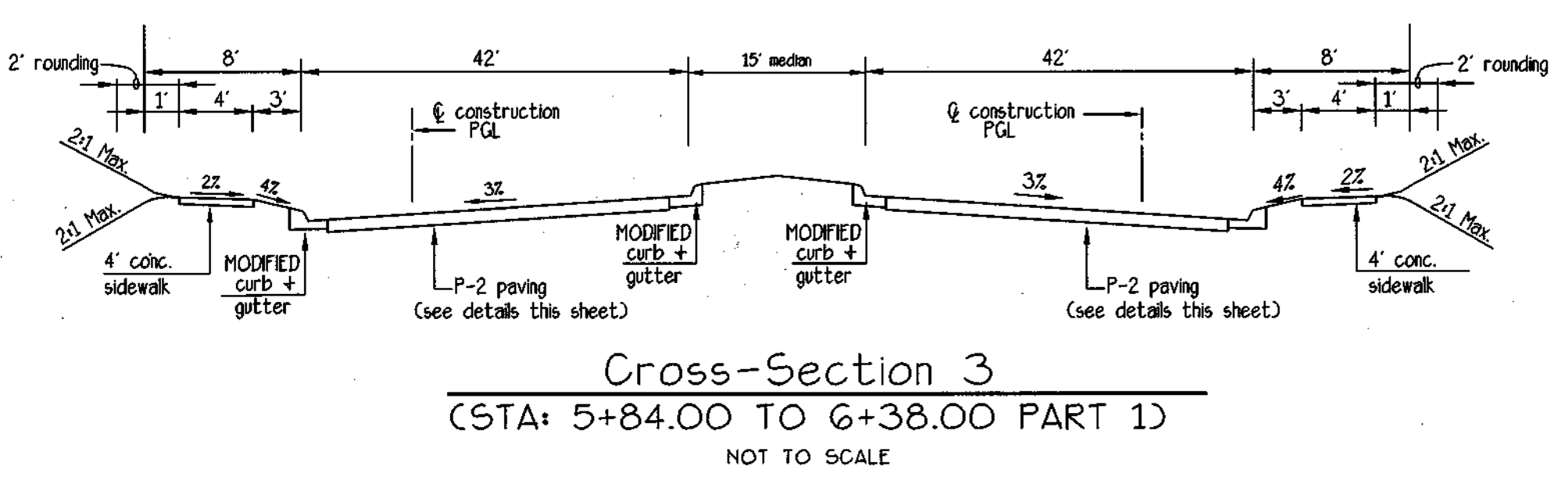
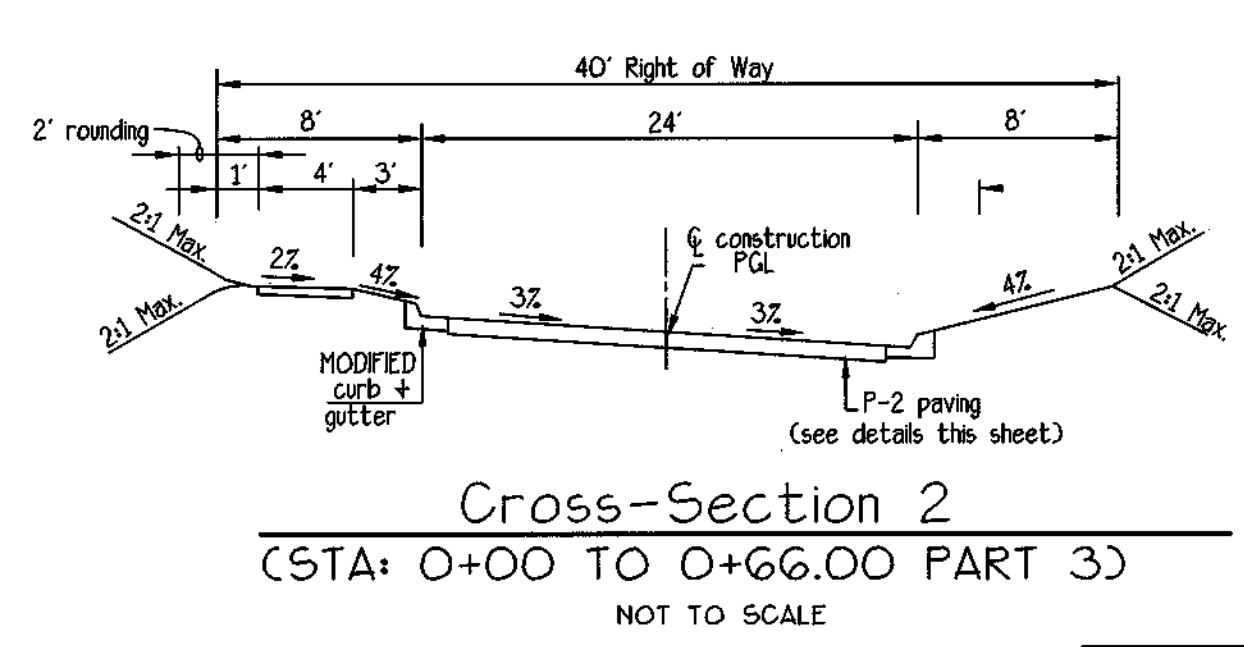
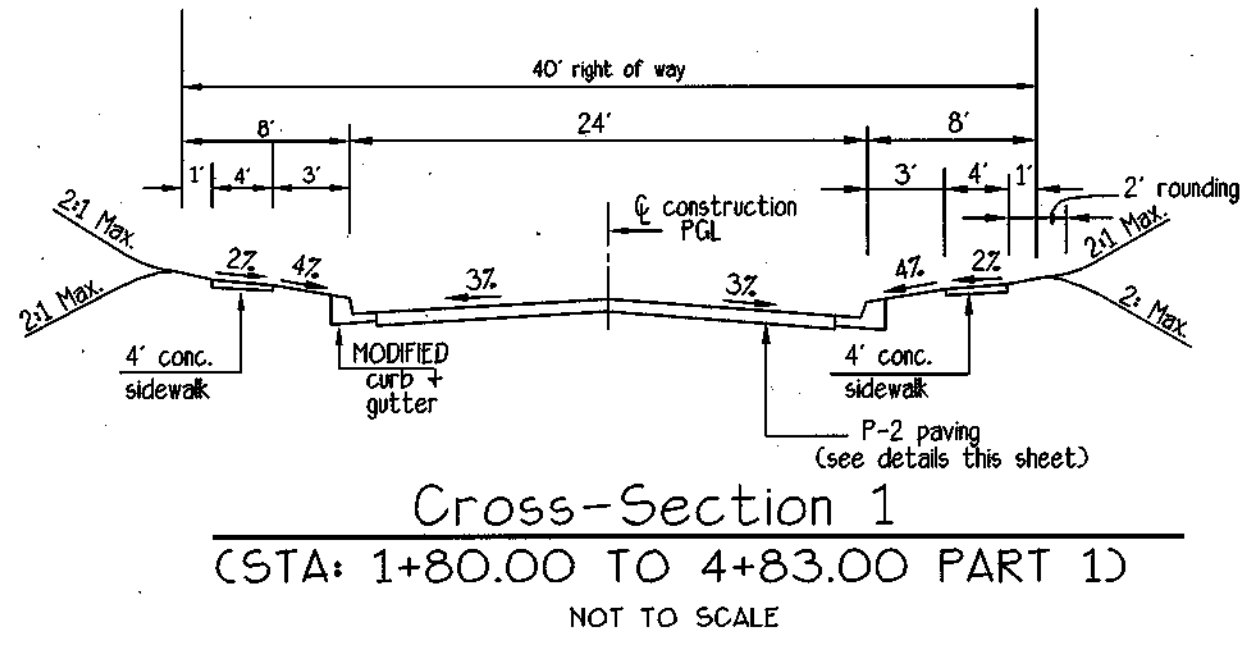
SCHEDULE B PARKING LOT INTERNAL LANDSCAPING			
Number of Parking Spaces =	21	Spaces (Provided)	
Number of Trees Required =	2	Trees * 1 per 10 spaces	
Number of Trees Provided	Shade Trees: 2 Other Trees: 0 (21 substitution)		
Schedule 'A' Number of required Shade Trees for bonding	2 x \$300 =	\$600.00	

PLANT LIST			
SYMBOL	QUANTITY	BOTANICAL NAME COMMON NAME	SIZE
①	2	QUERCUS PALMISTRA PIN OAK	2 1/2" - 3" Cal B&B 7 min. branching ht.

DEVELOPER'S / BUILDER'S CERTIFICATE
I/We certify that the landscaping shown on this plan will be done according to the plan, Section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion, a letter indicating that the landscaping has been installed in accordance with the above and will also request an inspection of the landscaping. This letter will be accompanied by an executed one-year guarantee of the installed plant materials. The letter and guarantee will be submitted to the Department of Planning and Zoning, Land Development Division.

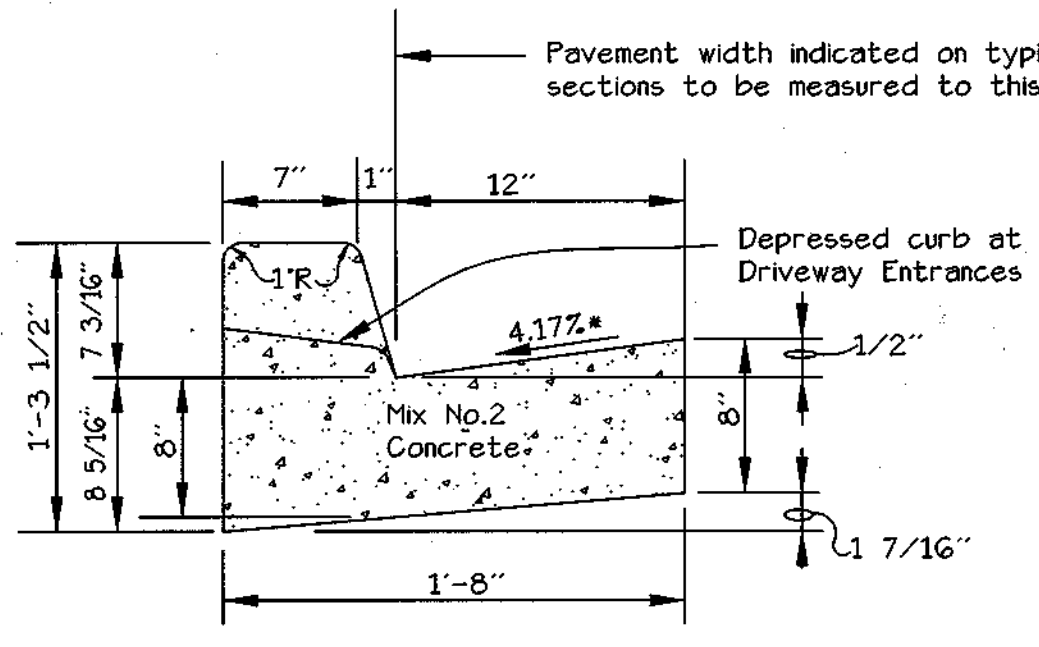
Nolt & Co. Date: *11/20/03*

Financial surety for the required landscaping will be posted with the Developer's Agreement in the amount of \$600,000.

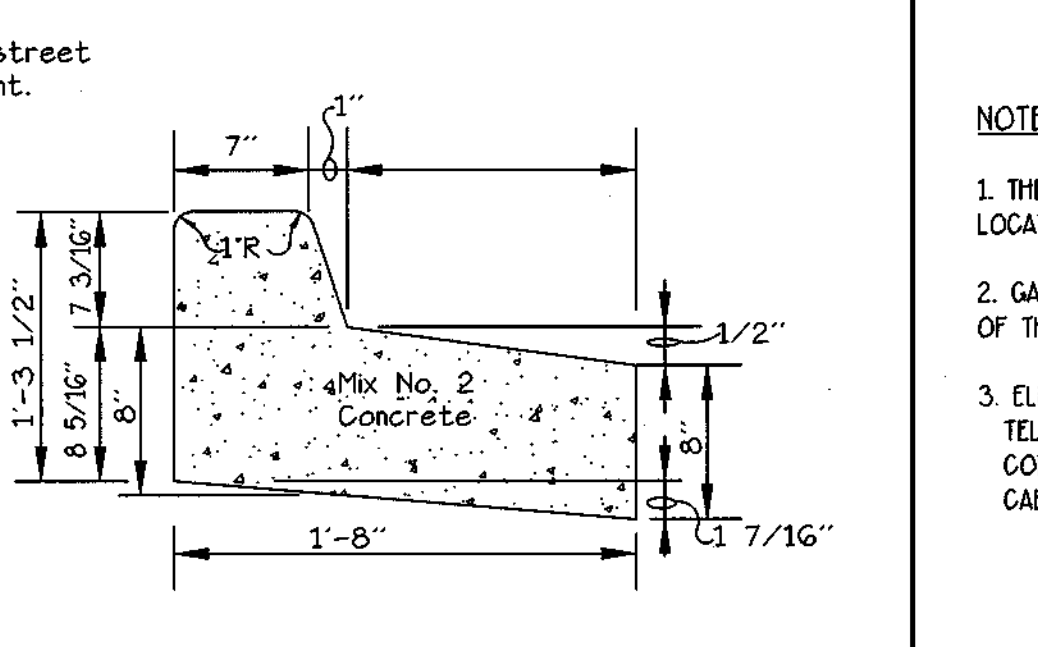


TYPICAL ROAD SECTIONS - ACCESS STREET (PRIVATE)

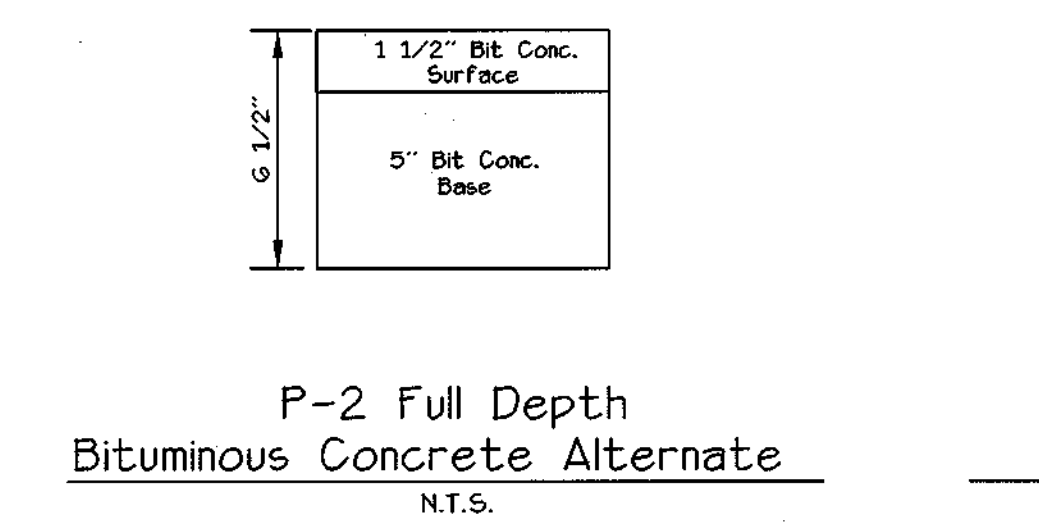
NOTE: ALL SIDEWALKS THAT ARE IMMEDIATELY ADJACENT TO CURBS SHALL BE 5-FOOT WIDE.



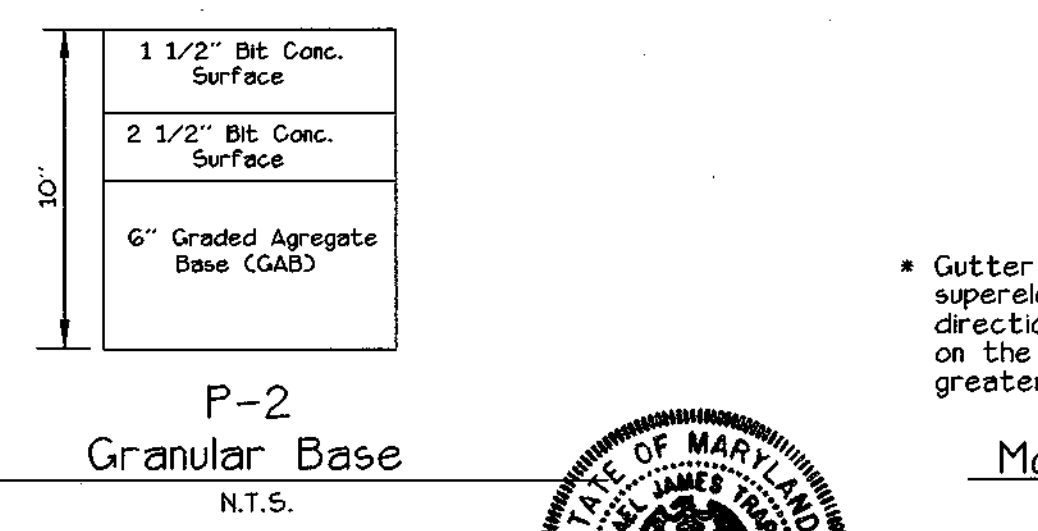
Standard 7' Combination Curb + Gutter
N.T.S.



Reverse 7' Combination Curb + Gutter
N.T.S.



P-2 Full Depth Bituminous Concrete Alternate
N.T.S.

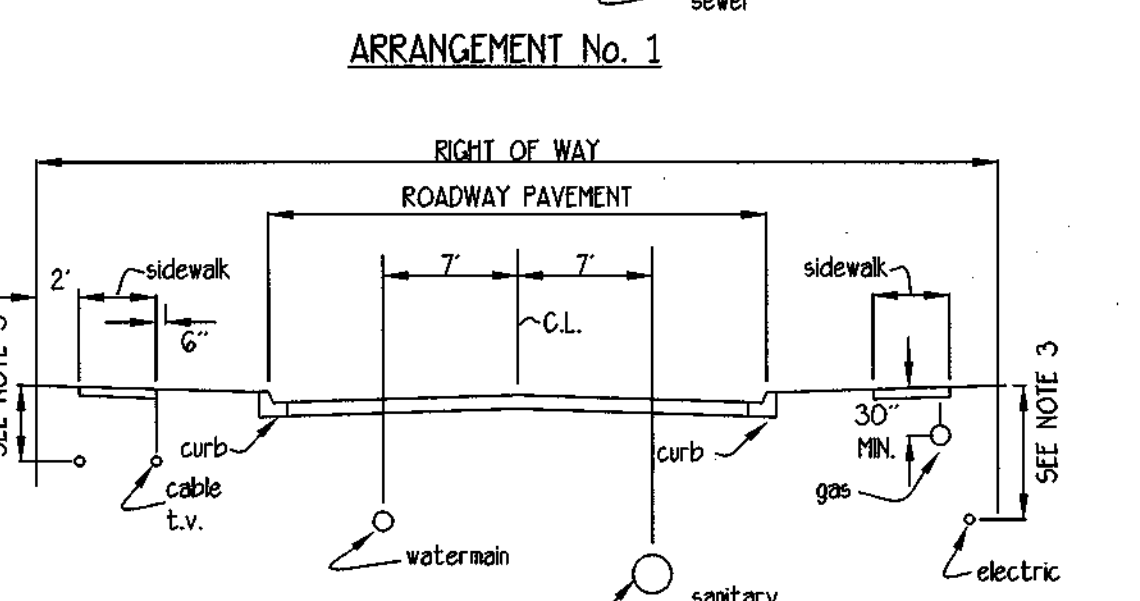
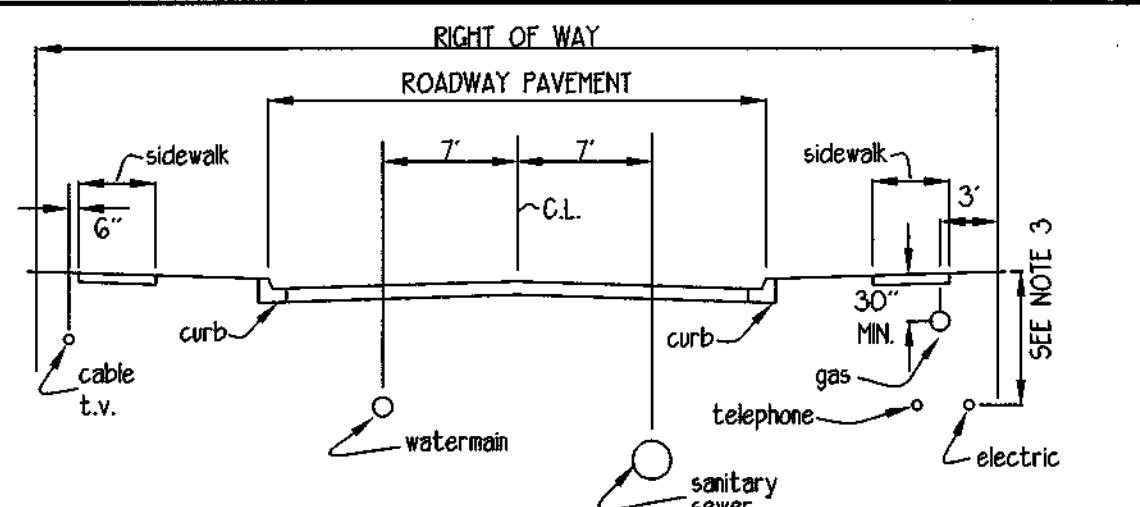


P-2 Granular Base
N.T.S.

Paving Sections

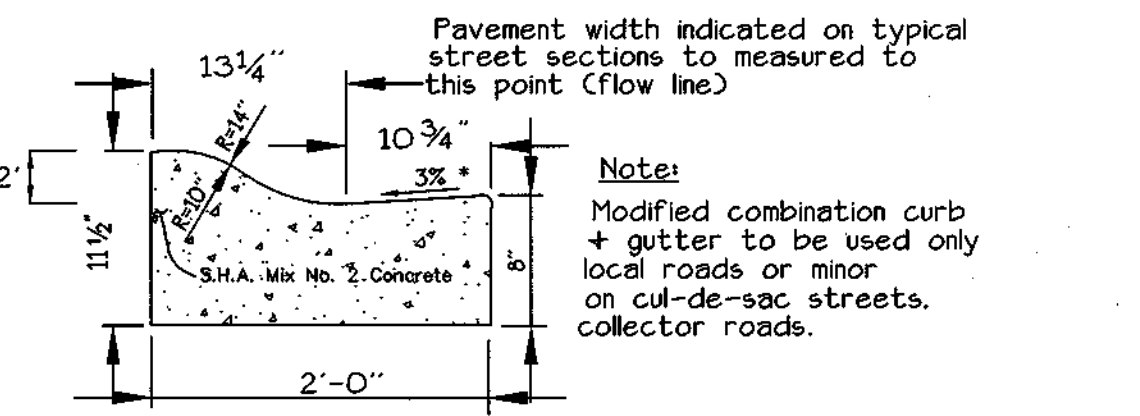
NOTE: OTHER EQUIVALENT PAVING SECTIONS MAY BE USED WHERE APPROVED BY A GEOTECHNICAL.

POLISHED PEBBLE WAY			
STATION	PAVING TYPE	ROAD CLASSIFICATION	DESIGN SPEED
PART 1 - 0+00 TO 6+76.98	P2	ACCESS STREET	25 MPH
PART 2 - 0+00 TO 2+82.97	P2	ACCESS STREET	25 MPH
PART 3 - 0+00 TO 1+85.00	P2	ACCESS STREET	25 MPH



- NOTES:
- THE DEPARTMENT OF PUBLIC WORKS SHALL BE CONSULTED CONCERNING THE UTILITY LOCATION/ARRANGEMENT FOR A GIVEN STREET PROJECT.
 - GAS, ELECTRIC AND TELEPHONE LINES MAY BE PLACED IN THE SAME TRENCH AT THE OPTION OF THE BALTIMORE, GAS, AND ELECTRIC CO. AND BELL ATLANTIC.
 - ELECTRIC: 0-600V 24" COVER, OVER 600V 36" COVER. TELEPHONE: MAIN SERVICE 24" COVER, RESIDENTIAL CONNECTION: 11" COVER. CABLE T.V.: 11" COVER.

NORMAL LOCATIONS OF PUBLIC UTILITIES CLOSED SECTION
Ho. Co. Maryland
Dept. of Public Works
Volume 111, Roads + Bridges
Figure 2.15



Modified Combination Curb and Gutter
N.T.S.

* Gutter pan at the median edge of intermediate arterials or the high side of super-elevated 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 super-elevated section and the rate of super-elevation is greater than 3% for modified curb and gutter.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
PRIVATE ROADS, DRAINS + SWM
Chief, Bureau of Highways
Date: *11/19/03*

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING
Chief, Division of Land Development
Date: *12/9/03*

Chief, Development Engineering Division
Date: *11/19/03*

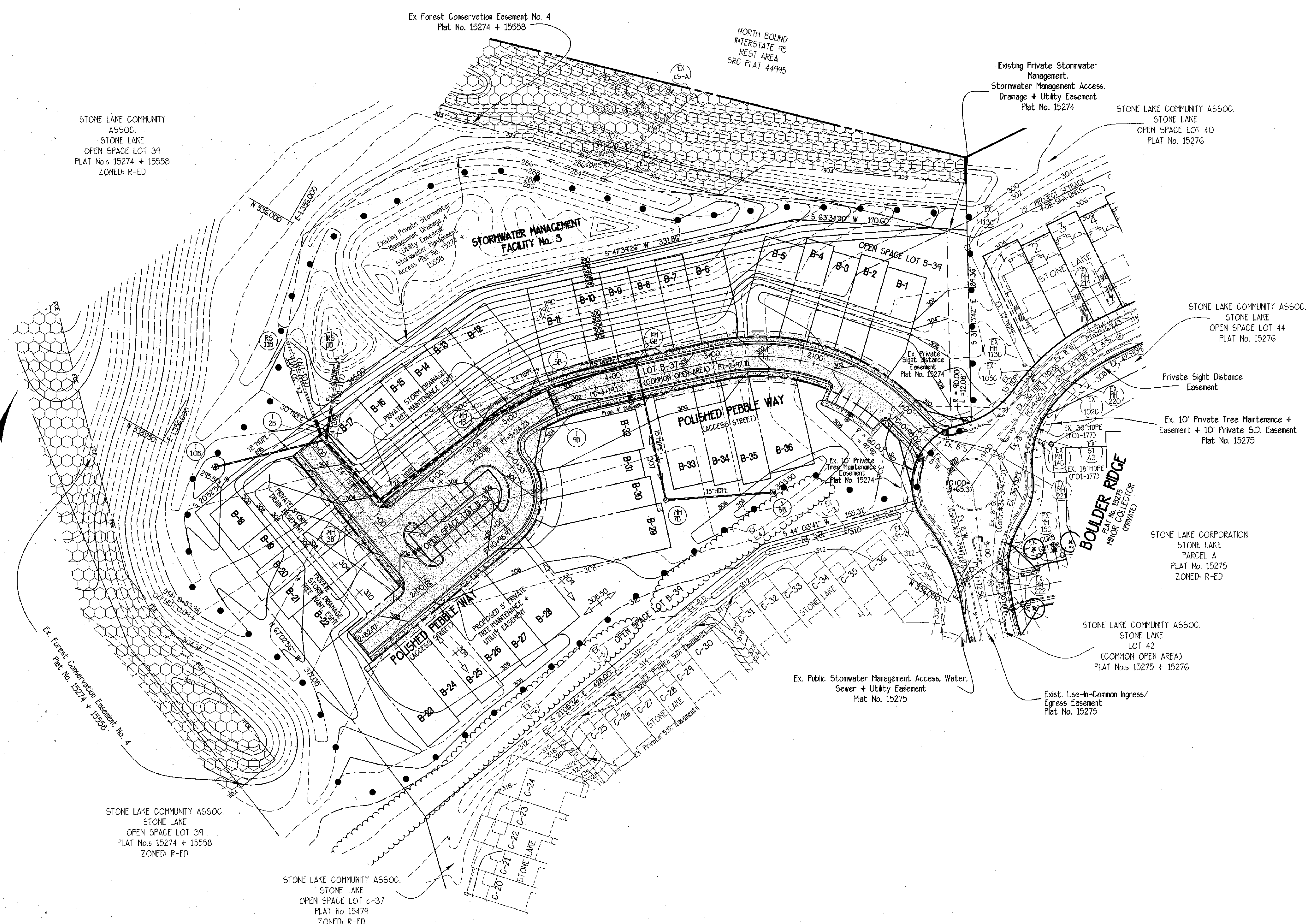
GLWGUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-880-1620 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APPR.

OWNER & PREPARED FOR:
STONE LAKE CORPORATION
C/O THE HOWARD RESEARCH & DEVELOPMENT CORP.
THE ROUSE BUILDING
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044
ATTN: JOE NECKER
TELE: (410) 992-6084

SITE AND LANDSCAPE DETAILS
STONE LAKE
LOTS B-1 thru B-39
A RESUBDIVISION OF PARCEL 'B'
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
AS SHOWN	R-ED	99140
DATE	TAX MAP - GRID	SHEET
NOV., 2003	47 - 7 P/O PARCEL 837	3 OF 8



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 PRIVATE ROADS, DRAINS + GWM
 Chief, Bureau of Highways _____ Date _____

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING
 _____ 12/16/03
 Chief, Division of Land Development Date
 _____ 12/19/03
 Chief, Development Engineering Division Date



GLWGUTSCHICK LITTLE & WEBER, P.A.
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DATE	REVISION	BY	APP'R.

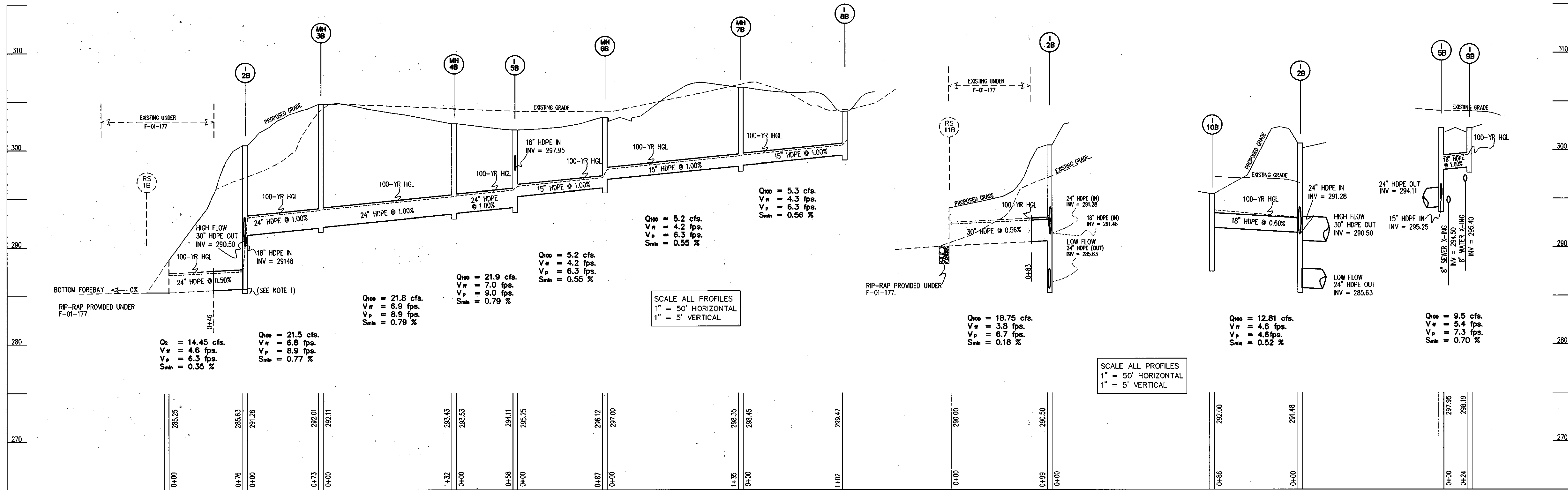
OWNER & PREPARED FOR:
 STONE LAKE CORPORATION
 C/O THE HOWARD RESEARCH & DEVELOPMENT CORP.
 THE ROUSE BUILDING
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044
 ATTN: JOE NECKER
 TELE: (410) 992-6084

GRADING PLAN
STONE LAKE
LOTS B-1 thru B-39
A RESUBDIVISION OF PARCEL 'B'

ELECTION DISTRICT No. 6

SCALE	ZONING	G. L. W. FILE No.
1" = 50'	R-ED	99140
DATE	TAX MAP - GRID	SHEET
NOV., 2003	P/O PARCEL 837	4 OF 8

F 04-22



SCALE ALL PROFILES
1" = 50' HORIZONTAL
1" = 5' VERTICAL

SCALE ALL PROFILES
1" = 50' HORIZONTAL
1" = 5' VERTICAL

NOTES:
1. 24" PIPE LENGTH FROM RS-1B TO I-2B IS TO PENETRATE FACE OF STRUCTURE AND BE CAPPED WITH A 24" HDPE ENDCAP. CAP TO HAVE A 16" HOLE CUT INTO IT. INVERT OF 16" ORIFICE = 285.63



STRUCTURE SCHEDULE

NO.	TYPE	WIDTH (INSIDE)	TOP ELEVATION		INVERT ELEVATION		STANDARD DETAIL	LOCATIONS & REMARKS
			UPPER	LOWER	UPPER	LOWER		
I-2B	A 10 Inlet	3'-6"	300.69	300.69	291.48	285.63	HO.CO. SD 4.41	0+00 12R PART 3
MH-3B	4 ft. Diameter Manhole	4'-0"	---	304.90	292.11	292.01	HO.CO. C-5.12	0+92.00 16.4R PART 3
MH-4B	4 ft. Diameter Manhole	4'-0"	---	302.90	293.53	293.43	HO.CO. C-5.12	4+73.98 18R PART 1
I-5B	COS 15 Inlet	4'-0"	302.63	302.63	297.95	294.11	MD-SHA 374.62	0+97.98 127.10L PART 2
MH-5B	4 ft. Diameter Manhole	4'-0"	---	303.86	297.00	295.87	HO.CO. C-5.12	0+97.98 127.10L PART 2
MH-7B	4 ft. Diameter Manhole	4'-0"	---	306.50	298.45	298.35	HO.CO. C-5.12	5+22.02 18R PART 1
I-8B	Type D Inlet	2'-7"	303.50	303.50	terminal	299.47	HO.CO. SD-4.39	4+63.27 12R PART 1
I-9B	COS 15 Inlet	4'-0"	302.63	302.63	terminal	298.19	MD SHA 374.62	4+63.27 12R PART 1
I-10B	Type D Precast Inlet	2'-7"	295.50	295.50	terminal	292.00	HO.CO. SD-4.39	6+79.89 201.98L PART 2

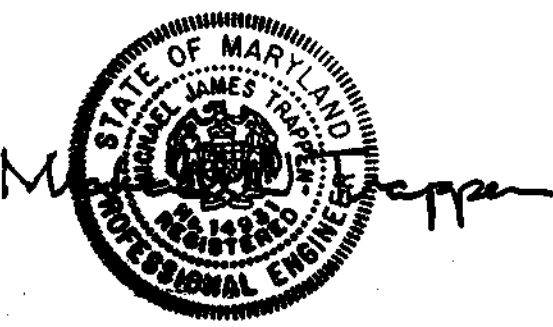
NOTE: ALL STRUCTURES TO BE PRECAST.

Pipe Summary Table

Size (in)	Type (-)	Quantity (LF)	Remarks (-)
15	HDPE	323	ADS N12 or equiv.
18	HDPE	111	ADS N12 or equiv.
24	HDPE	309	ADS N12 or equiv.
30	HDPE	16	ADS N12 or equiv.

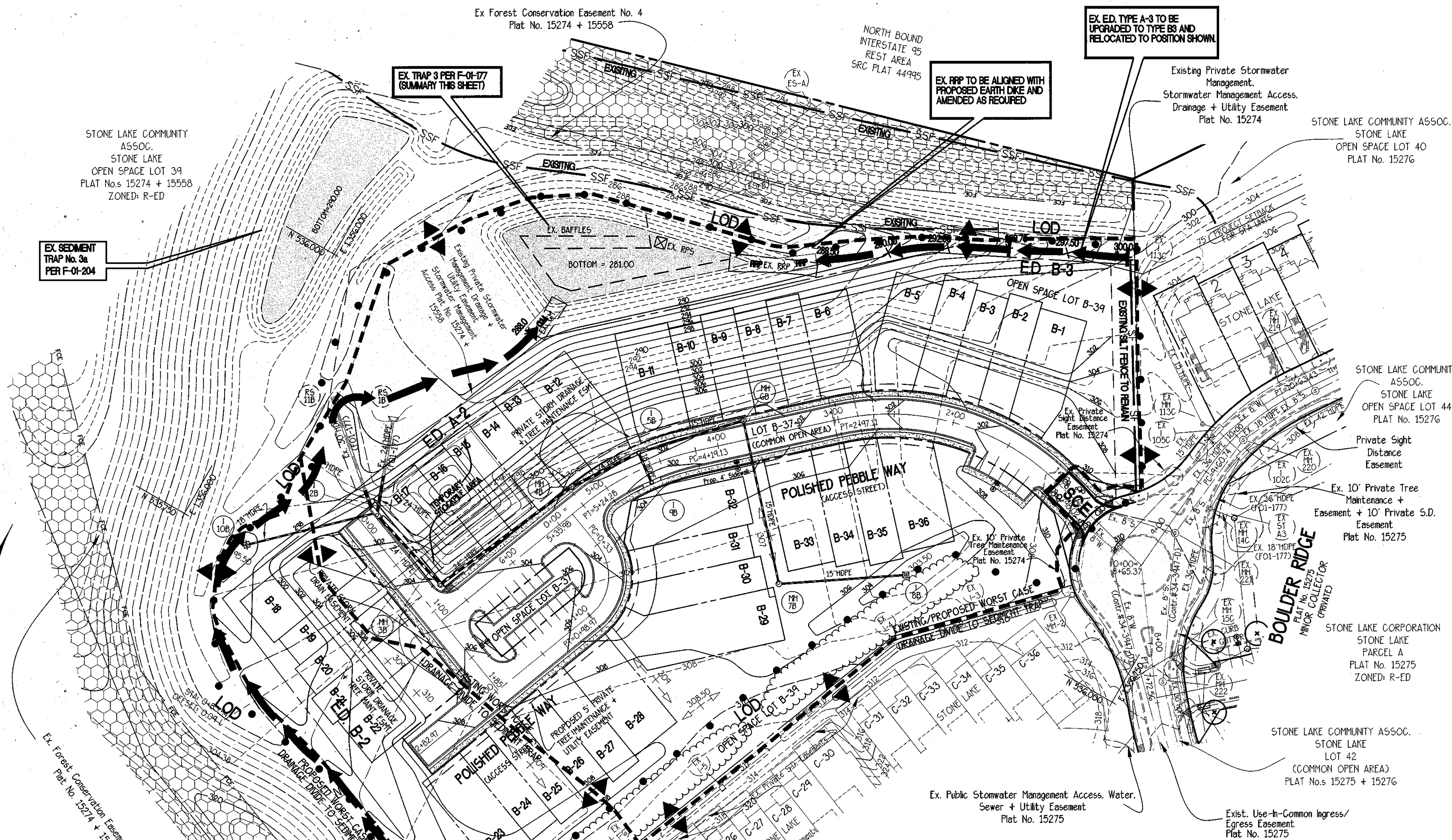
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
PRIVATE ROADS, DRAINS & SWM
Chief, Bureau of Highways

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING
Chief, Division of Land Development
Chief, Development Engineering Division



GLWGUTSCHICK LITTLE & WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BALT. 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186	DES. BJM	DRN. BJM	CHK. MJT	DATE	REVISION	BY	APP'R.	OWNER & PREPARED FOR: STONE LAKE CORPORATION C/O THE HOWARD RESEARCH & DEVELOPMENT CORP. THE ROUSE BUILDING 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044 ATTN.: JOE NECKER TELE.: (410) 992-6084	STORM DRAIN PROFILES STONE LAKE LOTS B-1 thru B-39 A RESUBDIVISION OF PARCEL 'B' ELECTION DISTRICT No. 6	SCALE AS SHOWN DATE NOV., 2003 HOWARD COUNTY, MARYLAND	ZONING R-ED TAX MAP - GRID 47 - 7 P/O PARCEL 837	G. L. W. FILE No. 99140 SHEET 5 OF 8
	APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS PRIVATE ROADS, DRAINS & SWM Chief, Bureau of Highways											

04-22



SEDIMENT TRAP #3

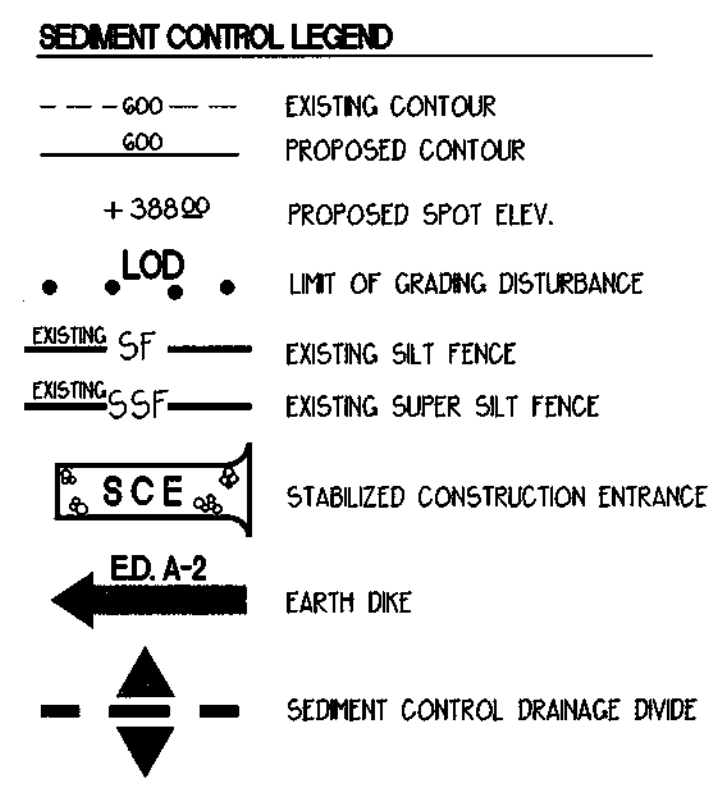
PRE-DEVELOPMENT D.A. = 10.1 Ac. (F-01-177)
 POST-DEVELOPMENT D.A. = 8.6 Ac. (F-01-177)

PRE-DEVELOPMENT D.A. = 5.75 Ac. (THIS PLAN)
 POST-DEVELOPMENT D.A. = 7.19 Ac. (THIS PLAN)

STORAGE REQUIREMENTS:

TEMP. SIMM = 33874 CF
 SEDIMENT CONTROL = 18180 CF
 STORAGE PROVIDED = 50054 CF

TOP OF DAM ELEVATION = 288.00
 BOTTOM ELEVATION = 283.00
 CLEANOUT ELEVATION = 283.84
 NET VOLUME ELEVATION = 285.00
 DRY VOLUME ELEVATION = 286.03
 TEMP. SIMM ELEV. = 286.30
 WEIR CREST ELEVATION = 287.00



This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

John K. Roberts 12/2/03
 Howard S.C.D. Date

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

Jim Meyer 12/2/03
 Natural Resources Conservation Service Date

STONE LAKE COMMUNITY ASSOC.
 STONE LAKE
 OPEN SPACE LOT 39
 PLAT No. 15274 + 15558
 ZONED: R-ED

STONE LAKE COMMUNITY ASSOC.
 STONE LAKE
 OPEN SPACE LOT C-37
 PLAT No 15479
 ZONED: R-ED

Michael J. Trappen
 PROFESSIONAL ENGINEER

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 PRIVATE ROADS, DRAINAGE & SWM
 Chief, Division of Highways

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 Chief, Development Engineering Division

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and/or construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Maryland Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the HSCD."

Robert J. ... 11/20/03
 Signature of Developer/Builder Date

ENGINEER'S CERTIFICATE

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Michael J. Trappen 11/20/03
 Signature Date

THIS PLAN IS FOR SEDIMENT CONTROL PURPOSES ONLY!

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SEDIMENT CONTROL PLAN
STONE LAKE
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FO4-22

