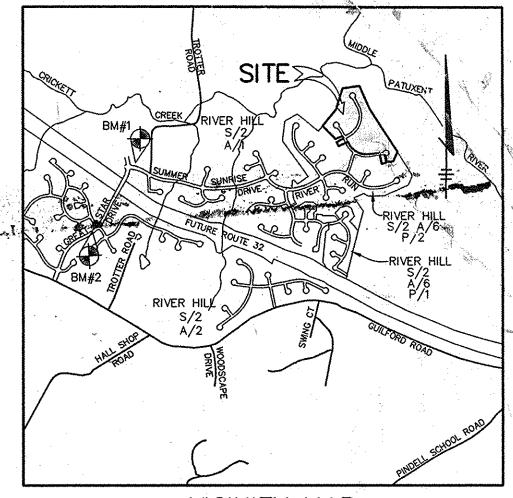
## ROADWAYS, STORM DRAINS AND STORMWATER MANAGEMENT

NO	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILE OF RISING WAVES WAY
3	PLAN AND PROFILE OF TOWERING OAK PATH
4	PLAN AND PROFILE OF OCEAN SHORE LANE AND DETAIL SHEET
5	DRAINAGE AREA MAP AND STRUCTURE SCHEDULE
6	GRADING AND SEDIMENT CONTROL PLAN
7	GRADING AND SEDIMENT CONTROL PLAN, DETAILS AND NOTES
8	STORM DRAIN PROFILES

## VILLAGE OF RIVER HII SECTION 2 AREA 6 PHASE 3

5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

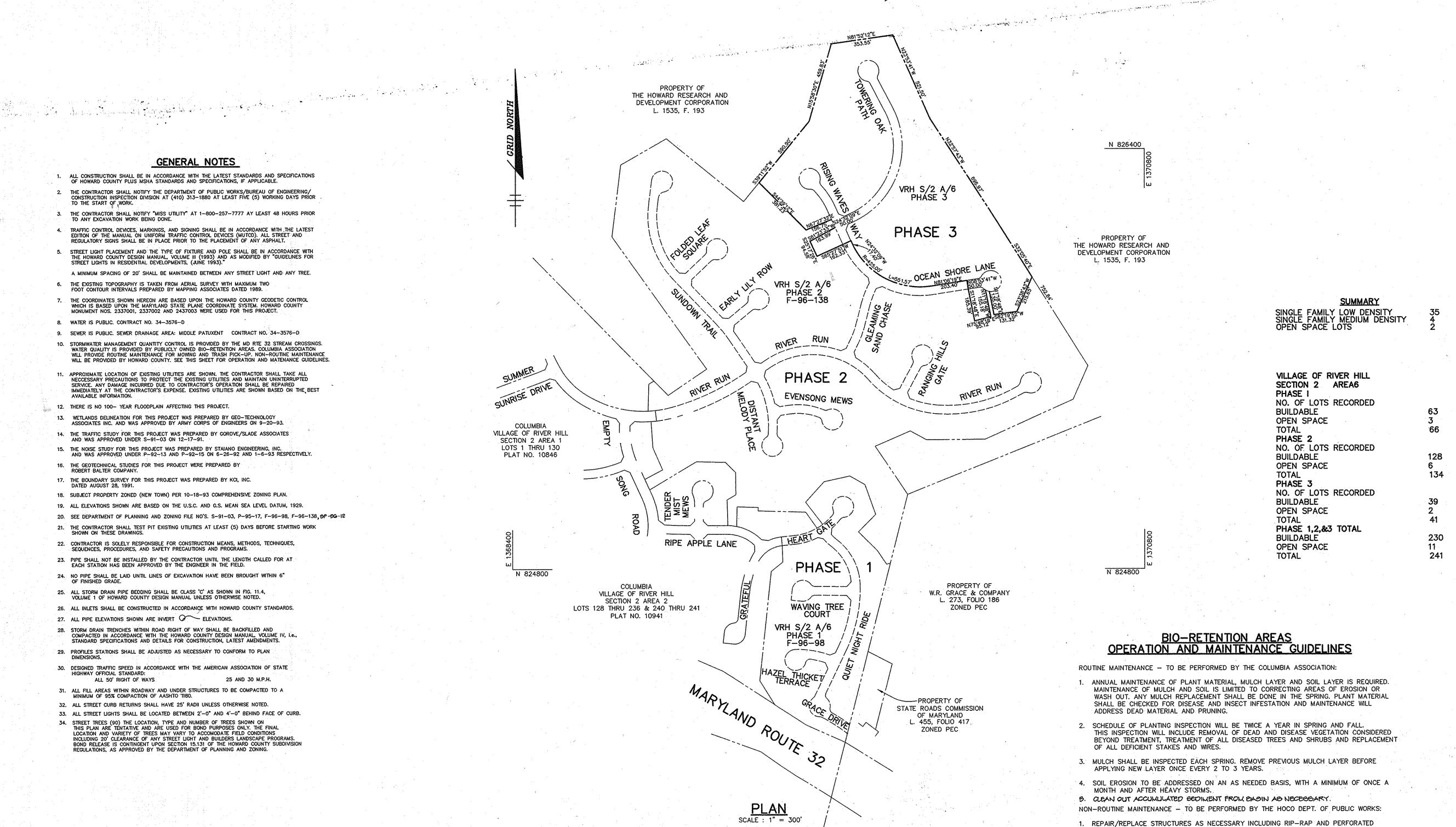


VICINITY MAP

- 4. 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.

- 6. THE EXISTING TOPOGRAPHY IS TAKEN FROM AERIAL SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY MAPPING ASSOCIATES DATED 1989.
- 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. 2337001, 2337002 AND 2437003 WERE USED FOR THIS PROJECT.
- 8. WATER IS PUBLIC. CONTRACT NO. 34-3576-D
- 9. SEWER IS PUBLIC. SEWER DRAINAGE AREA: MIDDLE PATUXENT CONTRACT NO. 34-3576-D 10. STORMWATER MANAGEMENT QUANTITY CONTROL IS PROVIDED BY THE MD RTE 32 STREAM CROSSINGS WATER QUALITY IS PROVIDED BY PUBLICLY OWNED BIO-RETENTION AREAS. COLUMBIA ASSOCIATION WILL PROVIDE ROUTINE MAINTENANCE FOR MOWING AND TRASH PICK-UP, NON-ROUTINE MAINTENANCE WILL BE PROVIDED BY HOWARD COUNTY. SEE THIS SHEET FOR OPERATION AND MATENANCE GUIDELINES.
- 11. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECCESSARY 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 AND ANALYSIS INFORMATION.
- 12. THERE IS NO 100- YEAR FLOODPLAIN AFFECTING THIS PROJECT.
- 13. WETLANDS DELINEATION FOR THIS PROJECT WAS PREPARED BY GEO-TECHNOLOGY ASSOCIATES INC. AND WAS APPROVED BY ARMY CORPS OF ENGINEERS ON 9-20-93.
- 14. THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY GOROVE/SLADE ASSOCIATES:
- 15. THE NOISE STUDY FOR THIS PROJECT WAS PREPARED BY STAIANO ENGINEERING, INC.
  AND WAS APPROVED UNDER P-92-13 AND P-92-15 ON 6-26-92 AND 1-6-93 RESPECTIVELY.
- 16. THE GEOTECHNICAL STUDIES FOR THIS PROJECT WERE PREPARED BY
- 17. THE BOUNDARY SURVEY FOR THIS PROJECT WAS PREPARED BY KCI, INC. DATED AUGUST 28, 1991.
- 18. SUBJECT PROPERTY ZONED (NEW TOWN) PER 10-18-93 COMPREHENSIVE ZONING PLAN.
- 19. ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929. 20. SEE DEPARTMENT OF PLANNING AND ZONING FILE NO'S. S-91-03, P-95-17, F-96-98, F-96-138, 6P-26-12
- 21. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK
- 22. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- 23. 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.
- 24. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6"
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11.4, VOLUME 1 OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED.
- 26. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS. 27. ALL PIPE ELEVATIONS SHOWN ARE INVERT OF ELEVATIONS.
- 28. 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.
- 29. PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN 30. DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARD:
- ALL 50' RIGHT OF WAYS. 31. ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A
- MINIMUM OF 95% COMPACTION OF AASHTO TIBO. 32. ALL STREET CURB RETURNS SHALL HAVE 25' RADII UNLESS OTHERWISE NOTED.

- 33. ALL STREET LIGHTS SHALL BE LOCATED BETWEEN 2'-0" AND 4'-0" BEHIND FACE OF CURB.
- 34. STREET TREES (90) THE 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 TREES MAY VARY TO ACCOMODATE FIELD CONDITIONS INCLUDING 20' CLEARANCE OF ANY STREET LIGHT AND BUILDERS LANDSCAPE PROGRAMS. BOND RELEASE IS CONTINGENT UPON SECTION 15.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS, AS APPROVED BY THE DEPARTMENT OF PLANNING AND ZONING.



PVC PIPING.

**BENCHMARKS** 

BM#1 RAILROAD SPIKE IN POLE #525680 TRÖTTER ROAD N 496697.02 E 822026.81

ELEV. 438.92

AS BUILT CERTIFICATE

CHIEF. BUREAU OF HIGHWAYS #5

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING

AND ZONING.

LAND DEVELOPMENT COST MX Jamunus

CHIEF. DEVELOPMENT ENGINEERING DIVISION

OWNER / DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION THE ROUSE BUILDING 10275 LITTLE PATUXENT PARKWAY

COLUMBIA, MARYLAND 21044

REVISION

VILLAGE OF RIVER HILL

SECTION 2 AREA 6 PHASE 3 LOTS 201 THRU 241

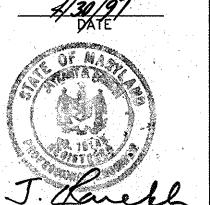
AREA TAX MAP 35 BLOCKS 15 & 21 ZONED NEW TOWN PART OF PARCEL 70

5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE SHEET

RIEMER MUEGGE & ASSOCIATES, INC ENGINEERING ● ENVIRONMENTAL SERVICES ● PLANNING ● SURVEYING

8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282

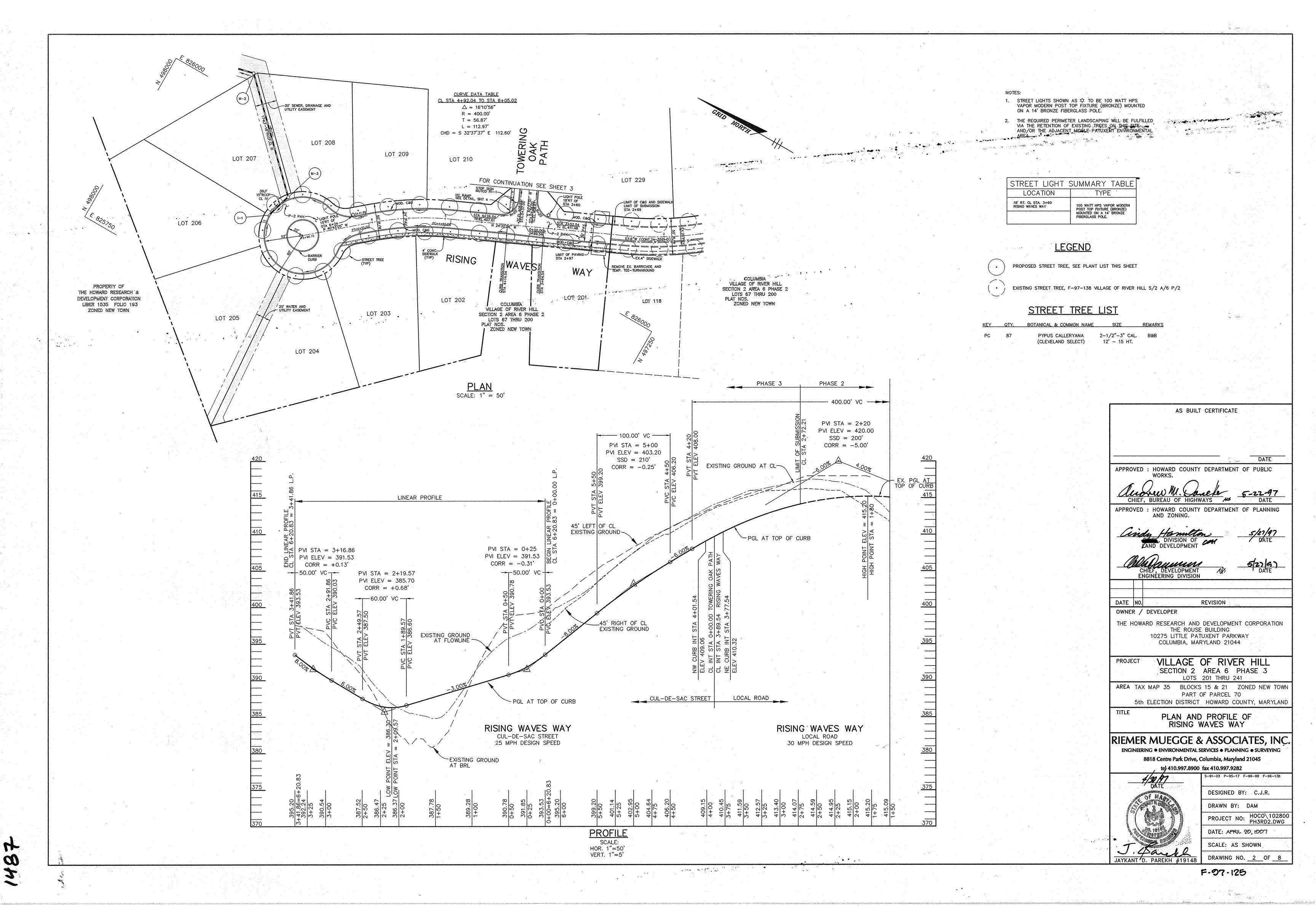


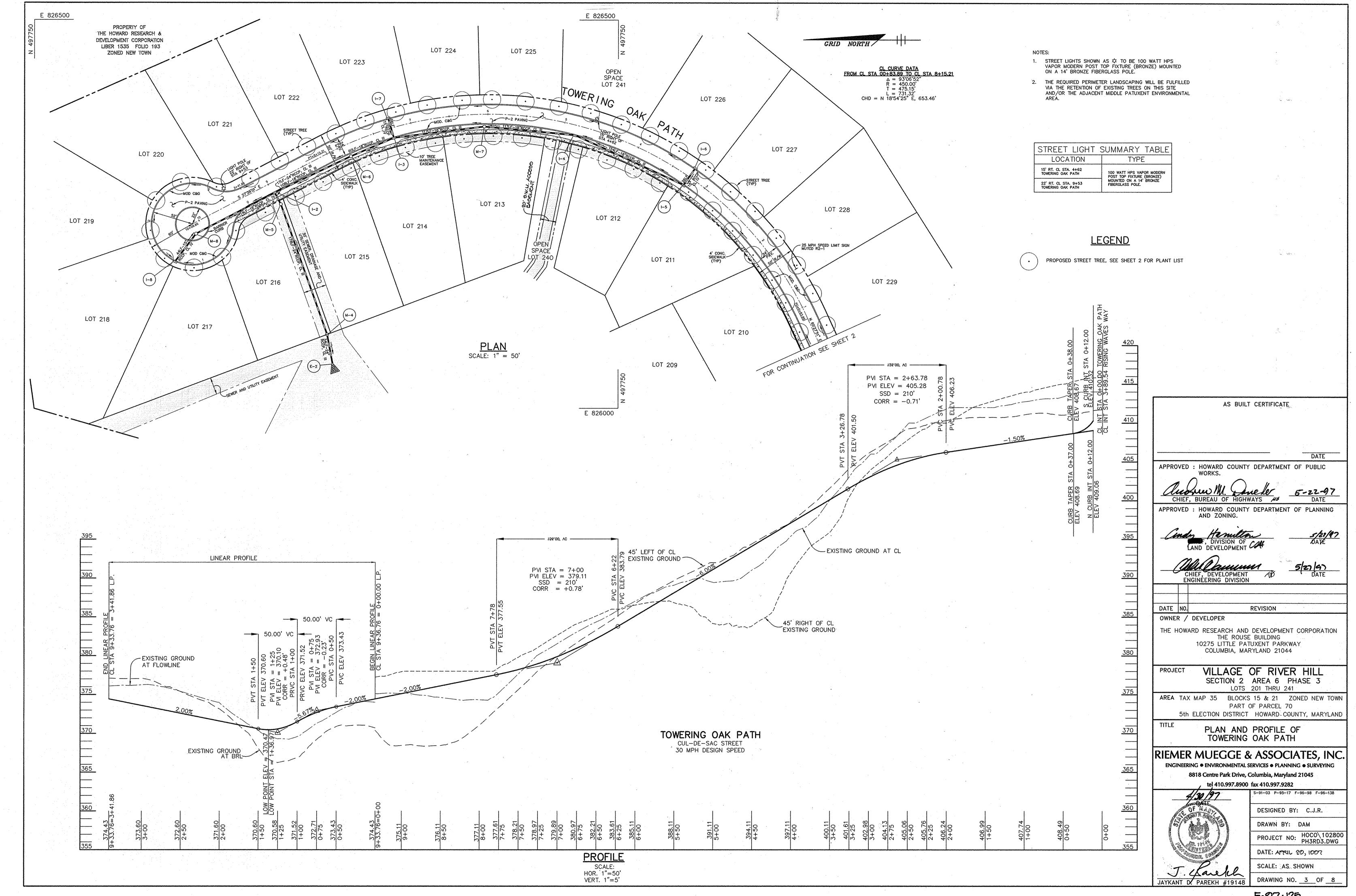
AYKANT O. PAREKH #19148

S-91-03 P-95-17 F-96-98 F-96-138 DESIGNED BY: C.J.R. DRAWN BY: DAM

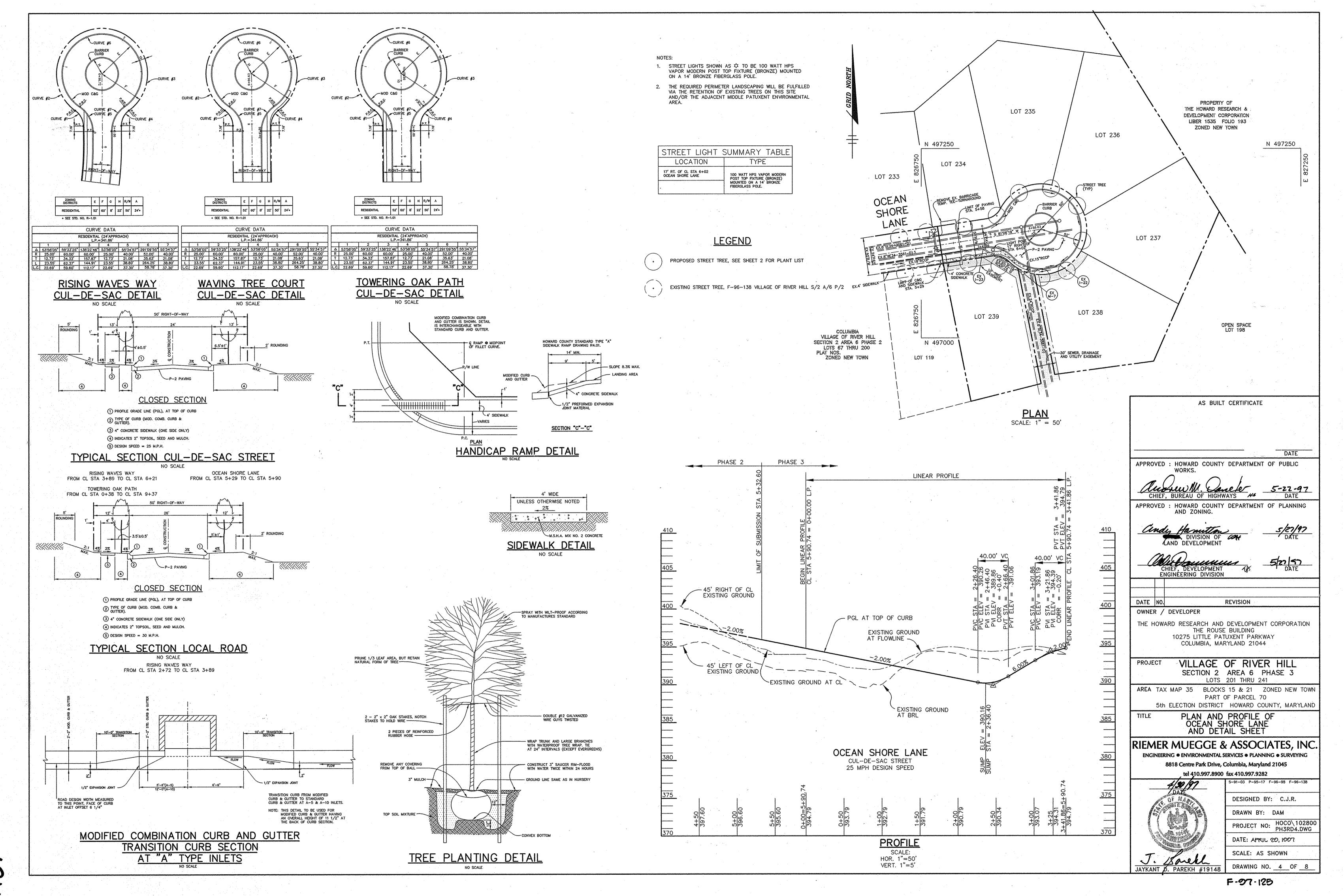
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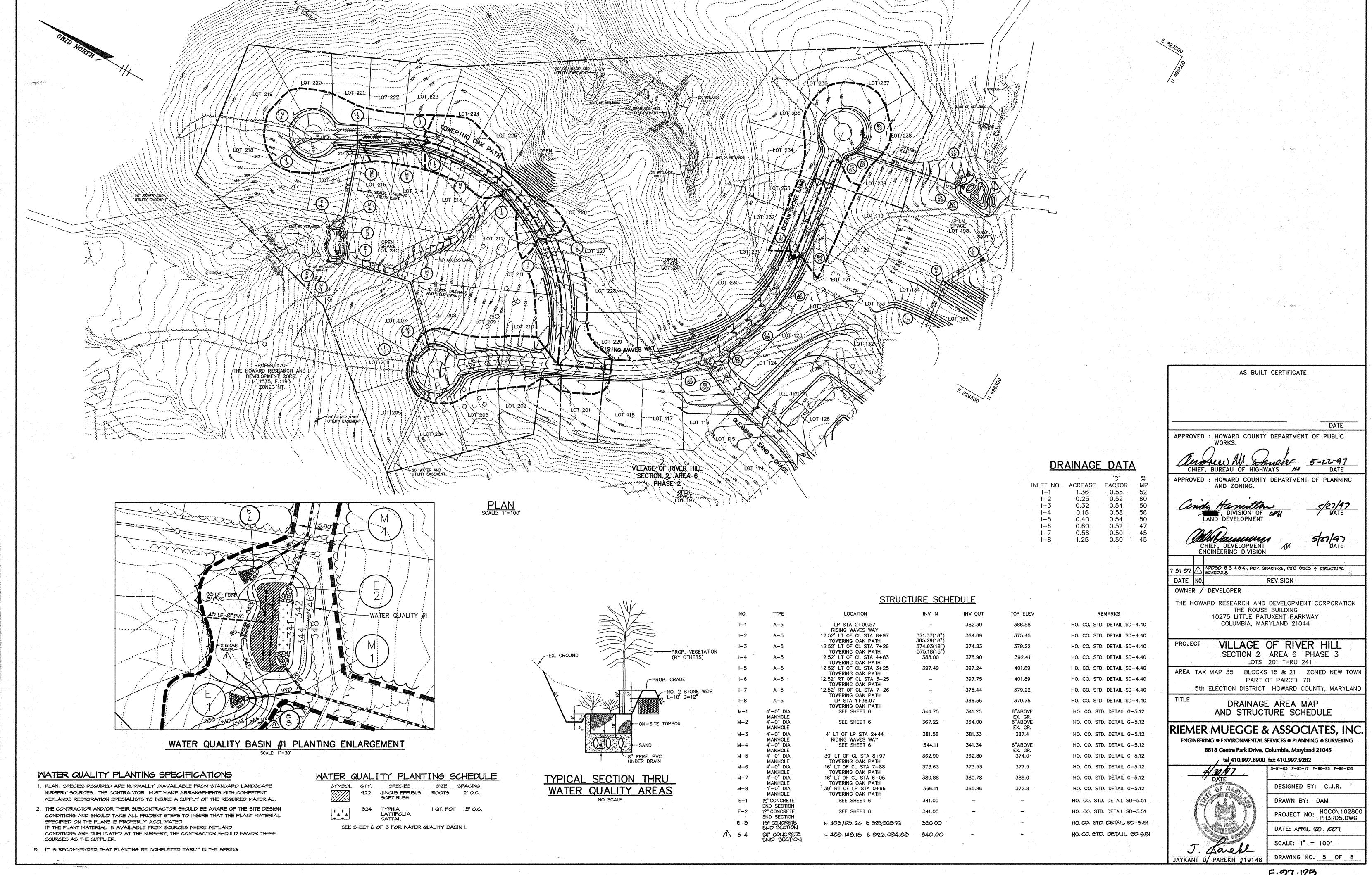
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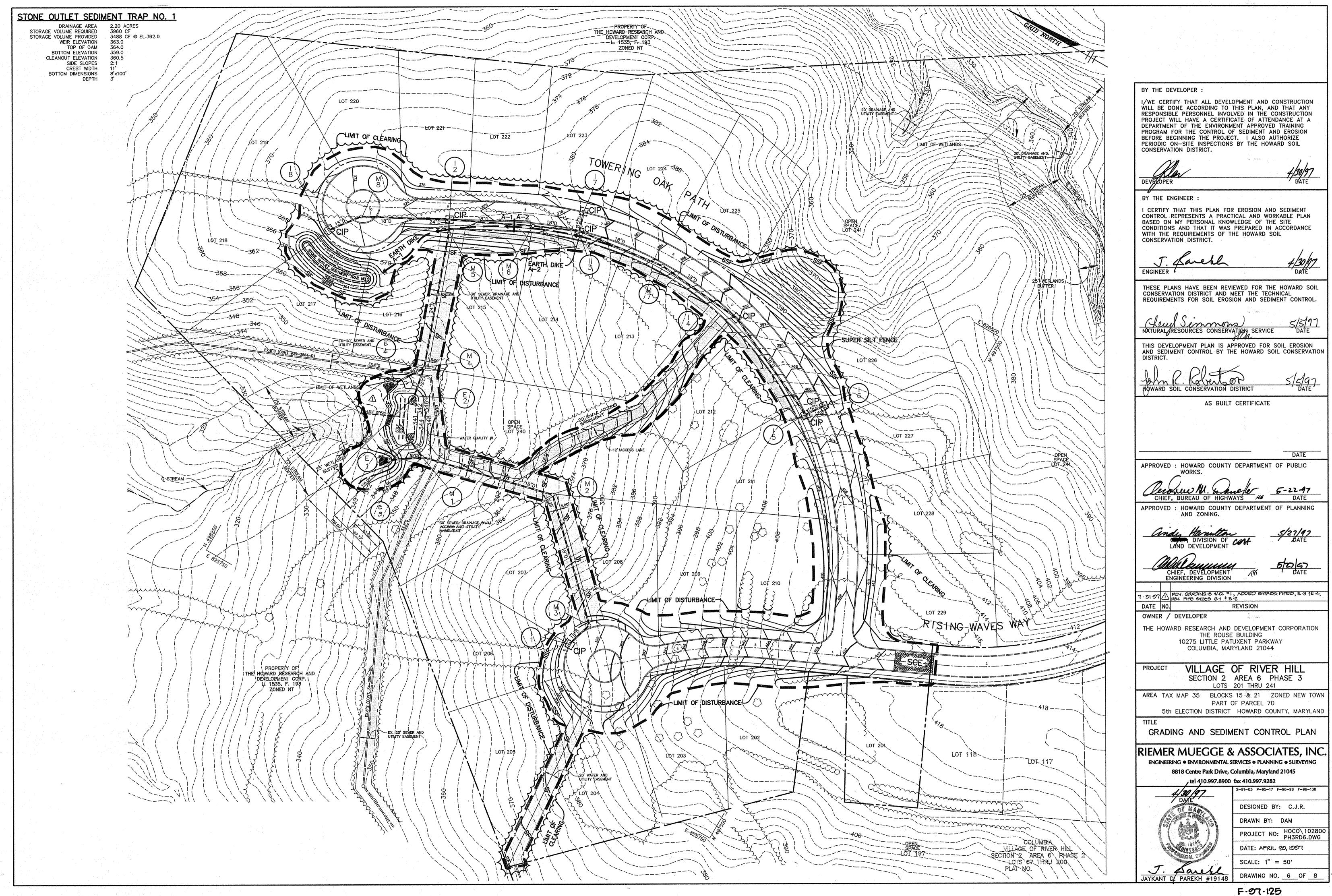




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