





3-4-1991  
DATE

**SEDGHI & ASSOCIATES, LTD.**  
Civil Engineers • Site Planners • Surveyors  
3217 Corporate Court  
Ellicott City, MD 21043  
(301) 780-9003

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*Amal Homat* 1/20/92  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Alan M. Ferguson* 1/23/92  
CHIEF, LAND DEVELOPMENT DIVISION DATE

*Granville W. Wallace* 9/16/91  
CHIEF, BUREAU OF HIGHWAYS DATE

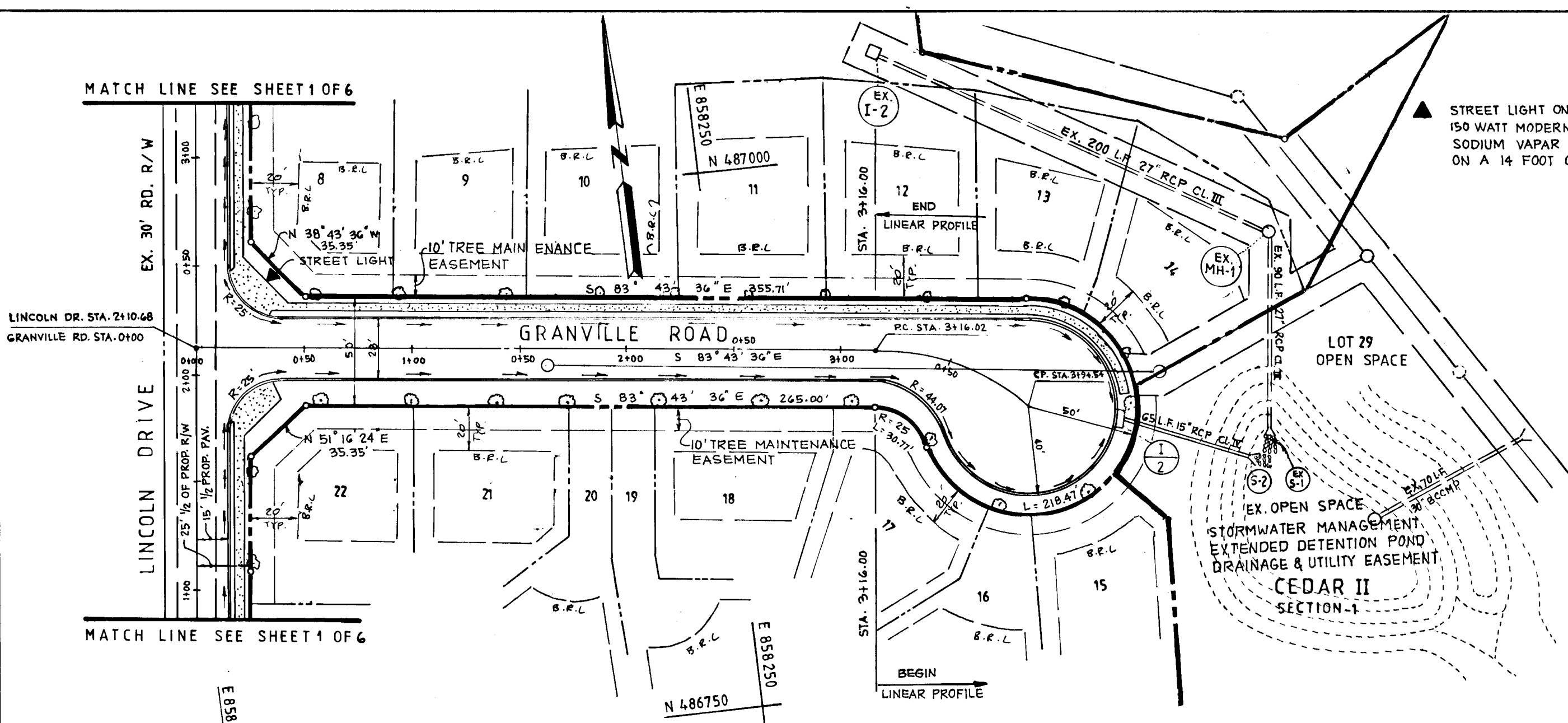
*James E. Ryan* 1-27-92  
CHIEF, BUREAU OF ENGINEERING DATE

CEDAR II  
SECTION-2  
6TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**GRANVILLE ROAD  
PLAN AND PROFILE**  
DEVELOPER  
THAMES INVESTMENT GROUP LTD.  
3701 COURT HOUSE DRIVE  
ELLICOTT CITY, MARYLAND 21043

SCALE: AS SHOWN DATE: 3-4-91 SHEET: 2 OF 6  
DESIGNED: M.S. DRAWN: V.S. CHECKED: M.S.

REVISION		



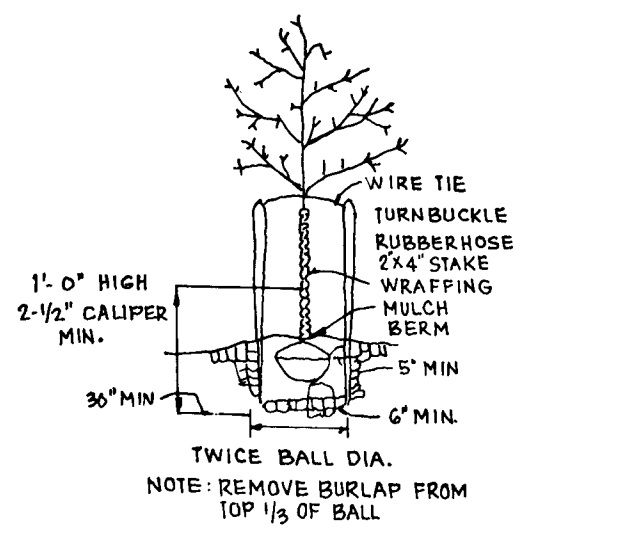
**PLAN**  
SCALE: 1"=50'

**TREE MAINTENANCE NOTE**  
TREE MAINTENANCE EASEMENT, 10' IN WIDTH, RUNNING ALONG THE EDGE OF THE PUBLIC ROAD R/W AS SHOWN ON THE PLAN IS RESERVED UPON ALL LOTS FRONTING ON THE PUBLIC R/W. THIS EASEMENT GRANTS HOWARD COUNTY THE RIGHTS TO ACCESS THE PROPERTY WHEN NECESSARY, FOR THE SPECIFIC PURPOSE OF INSTALLATION, REPAIR AND MAINTENANCE OF COUNTY OWNED TREES LOCATED WITHIN THE BOUNDARIES OF PRIVATE LOTS. NO BUILDING OR STRUCTURE OF ANY KIND SHALL BE LOCATED ON AND OVER THIS EASEMENT AREA.

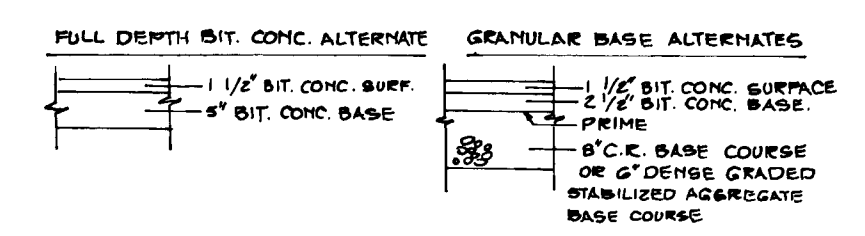
STREET LIGHT ON THIS PLAN SHALL BE 150 WATT MODERN HIGH PRESSURE SODIUM VAPOR LAMP POST TOP FIXTURE ON A 14 FOOT GRAY FIBERGLASS POLE.

NOTE: CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING. FINAL LOCATIONS OF TREES MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE FIELD CONDITIONS. PLANTING PROCEDURES SHALL COMPLY WITH LANDSCAPE SPECIFICATIONS FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS: SUBSTITUTION TO THE ABOVE SPECIES MAY BE PERMITTED, PROVIDED THAT THE PLANTING IS IN ACCORDANCE WITH THE STREET TREE AND LANDSCAPE REQUIREMENTS AS SPECIFIED IN SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS.

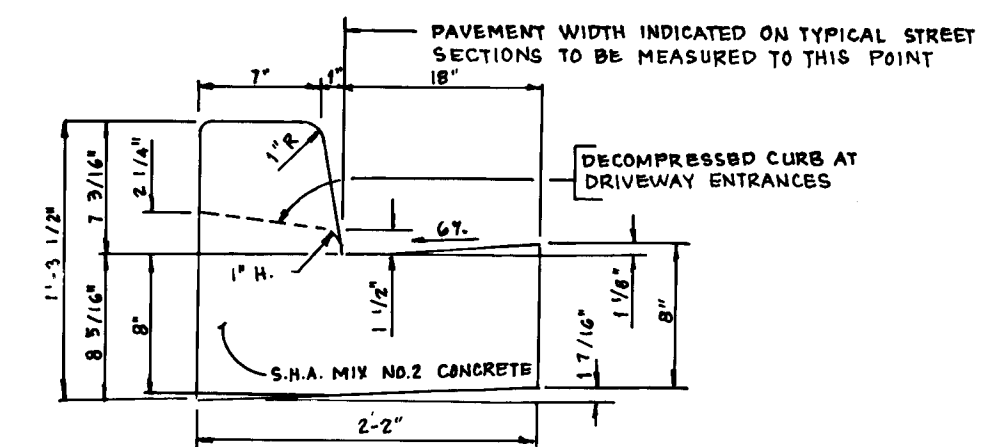
QUANTITIES  
40



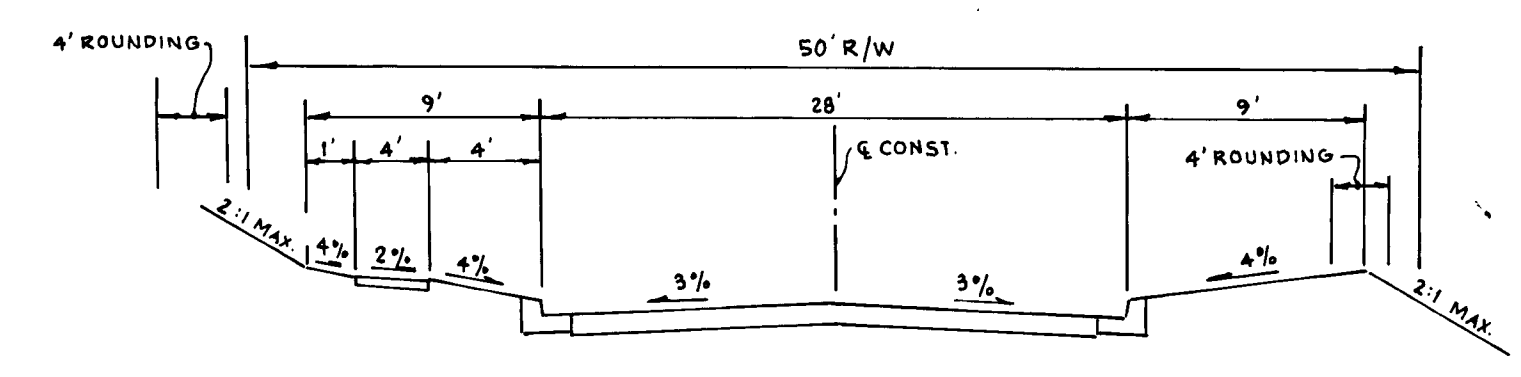
**TREE PLANTING**  
N.T.S.



**P-2 PAVING SECTION**  
GRANVILLE RD. & LINCOLN DR.  
N.T.S.



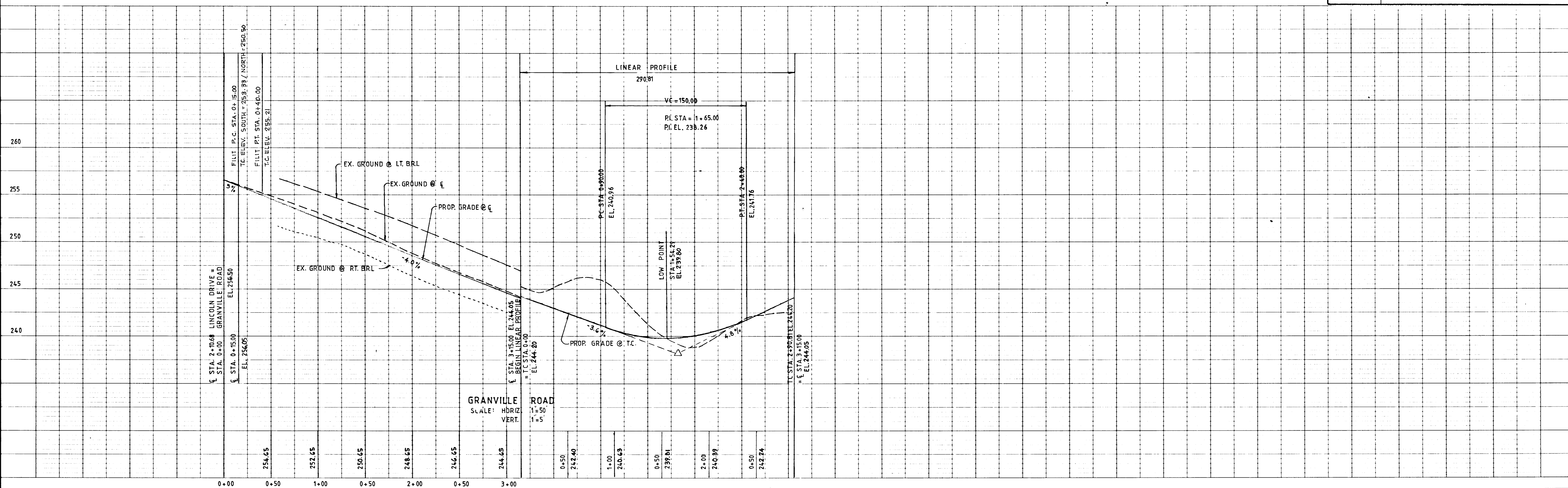
**STANDARD 7" COMBINATION CURB & GUTTER**  
N.T.S.



DESIGN SPEED - 25 MPH ZONING: RSC  
**TYPICAL SECTION - GRANVILLE ROAD**  
NOT TO SCALE

**PLAN**  
BURNED: \_\_\_\_\_  
NOTE BOOK: \_\_\_\_\_  
ALIGNMENT CHECKED: \_\_\_\_\_  
BY: \_\_\_\_\_  
NO. \_\_\_\_\_

**PROFILE**  
BURNED: \_\_\_\_\_  
NOTE BOOK: \_\_\_\_\_  
GRADES CHECKED: \_\_\_\_\_  
BY: \_\_\_\_\_  
STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_  
NO. \_\_\_\_\_



**GRANVILLE ROAD**  
SCALE: HORIZ. 1"=50'  
VERT. 1"=5'

1613

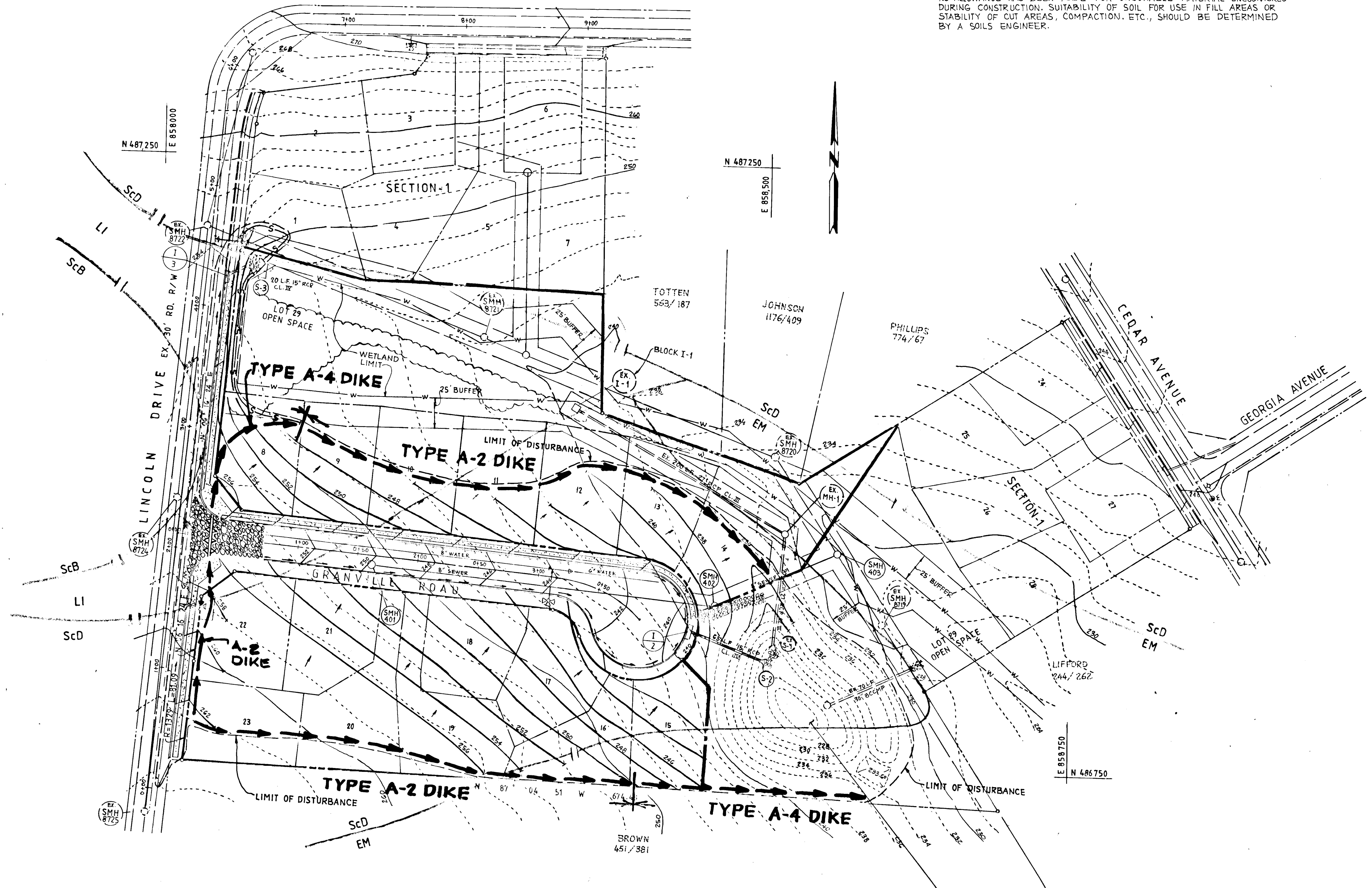




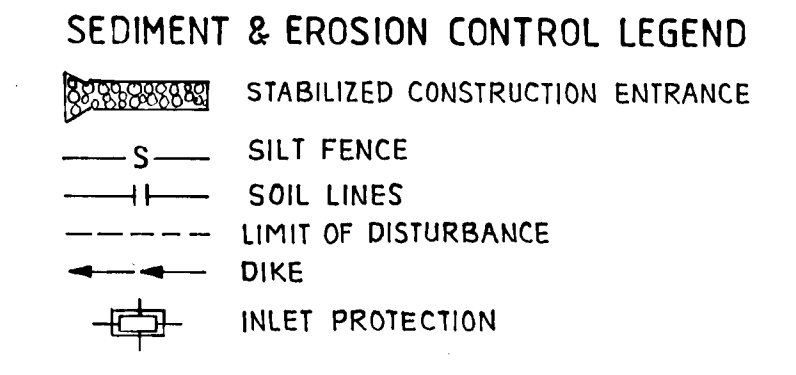




NOTE:  
 ALL GRADES, ELEVATIONS, EARTH QUANTITIES, ETC., ARE TO BE VERIFIED BY THE CONTRACTOR. ANY EARTH QUANTITIES SHOWN OR IMPLIED ARE MEASURED TO FINAL GRADE AND ARE APPROXIMATE. NO ALLOWANCE HAS BEEN MADE FOR UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION. SUITABILITY OF SOIL FOR USE IN FILL AREAS OR STABILITY OF CUT AREAS, COMPACTION, ETC., SHOULD BE DETERMINED BY A SOILS ENGINEER.



- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT.
  2. NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS AT 792-7272, A MINIMUM OF 24 HOURS PRIOR TO THE START OF ANY WORK.
  3. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
  4. CLEAN THE EXISTING SEDIMENT TRAP IN THE BOTTOM OF THE EXISTING STORMWATER MANAGEMENT POND, SEE F-90-111.
  5. INSTALL DIKES AND SILT FENCES.
  6. CLEAR AND GRADE THE SITE.
  7. CONSTRUCT STORM DRAINS AND UTILITIES.
  8. BLOCK I-1 ONLY AND PROVIDE INLET PROTECTION AT I-4.
  9. DURING THE CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT ANY PROVIDED NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, SEE F-90-171.
  10. DURING CONSTRUCTION, THE CONTRACTOR SHALL REMOVE THE SEDIMENT FROM THE SEDIMENT TRAP WHEN THE CLEANOUT ELEVATIONS HAVE BEEN REACHED.
  11. CONSTRUCT CURB AND GUTTER AND LAY BASE COURSE.
  12. CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE AND LAY SURFACE COURSE, STABILIZE ALL REMAINING OF DISTURBED AREAS.
  13. WHEN THE WHOLE SITE IS PERMANENTLY STABILIZED, CONVERT THE TEMPORARY STORMWATER MANAGEMENT POND AND SEDIMENT TRAP IN THE BOTTOM OF IT TO PERMANENT STORMWATER MANAGEMENT FACILITY AS SHOWN ON THE STORMWATER MANAGEMENT PLANS. THE GRADES IN THE BOTTOM OF THE POND WILL BE BROUGHT TO 228.
  14. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTORS, REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES ONCE ALL THE AREAS DRAINING TO THEM ARE PERMANENTLY STABILIZED.



**PLAN**  
 SCALE: 1"=50'

**EX. TRAP # 1**  
 DRAINAGE AREA = 2.70 Ac.  
 STORAGE REQUIRED = 4,860 C.F.  
 STORAGE PROVIDED = 5,750 C.F.  
 BOTTOM ELEVATION = 224 (S.W.M. POND ORIFICE)  
 CREST ELEVATION = 228  
 STORAGE ELEVATION = 227  
 CLEANOUT ELEVATION = 225.5  
 SIDE SLOPE = 2:1 MIN.

HOWARD COUNTY SOIL MAP # 30

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
*Amanda Helms* 1/30/99  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Alan M. Ferguson* 1/23/99  
 CHIEF, LAND DEVELOPMENT DIVISION  
*Granville W. Woodard* 9/16/91  
 CHIEF, BUREAU OF HIGHWAYS  
*William S. Ray* 1-27-92  
 CHIEF, BUREAU OF ENGINEERING

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*John M. Nelson* 9/1/91  
 U.S. SOIL CONSERVATION SERVICE  
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. Robertson* 7/6/91  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

NUMBER	REVISION	DATE	BY

**ENGINEER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENT 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 SOILS CONSERVATION DISTRICT.  
*[Signature]*  
 SIGNATURE OF ENGINEER  
 DATE: 3-4-91

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZED PERIODIC ONSITE INSPECTOR BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.  
*[Signature]*  
 SIGNATURE OF DEVELOPER  
 DATE

**SEDGHI & ASSOCIATES, LTD.**  
 Civil Engineers • Site Planners • Surveyors  
 3217 Corporate Court  
 Ellicott City, MD 21043  
 (301) 760-8003

**SEDIMENT CONTROL PLAN**  
 CEDAR II  
 SECTION - 2  
 LOTS 6 TO 23  
 TAX MAP 43 PARCEL 337 & 452  
 6TH ELECTION DISTRICT  
 HOWARD COUNTY MD  
 SCALE 1/50 SHEETS OF 6  
 DATE: 3-4-91

**DEVELOPER**  
 THAMES INVESTMENT GROUP LTD.  
 3701 COURT HOUSE DRIVE  
 ELICOTT CITY, MD, 21043

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