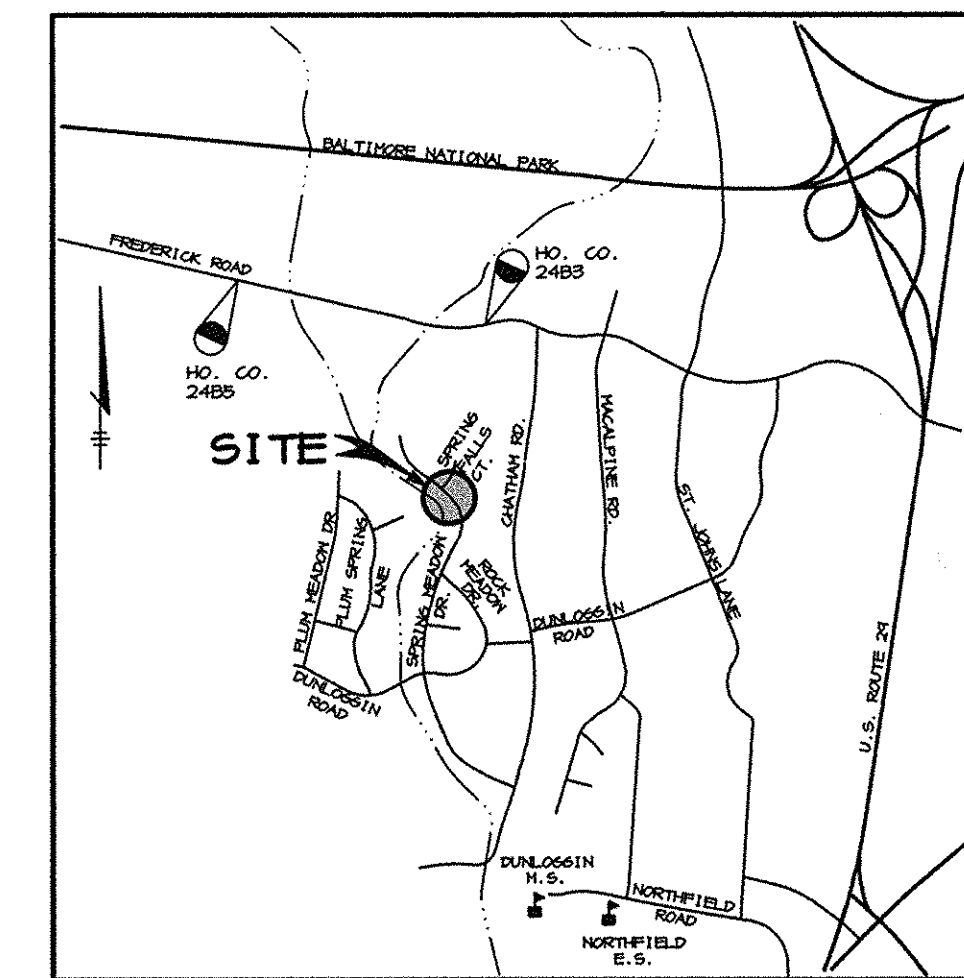


DRAINAGE IMPROVEMENTS SPRING MEADOW DRIVE



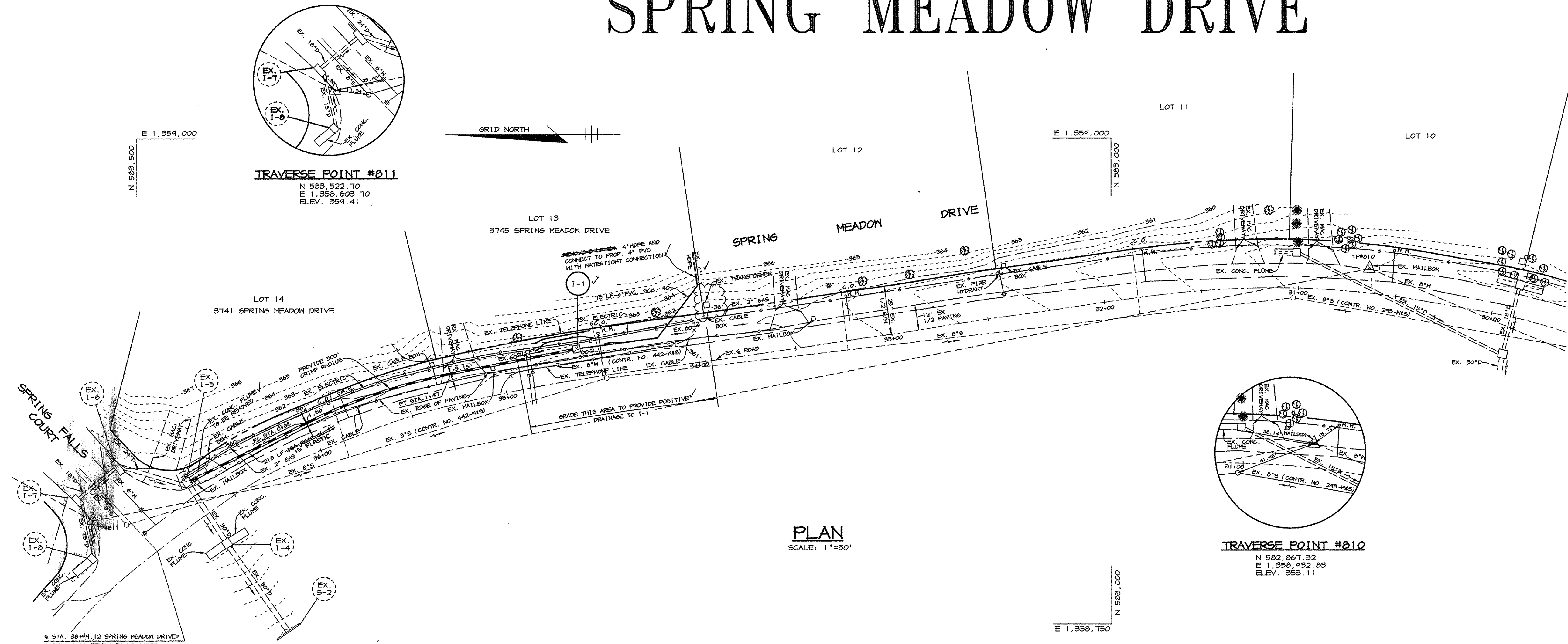
VICINITY MAP
SCALE: 1"=2000'

BENCH MARKS

| | |
|----------------------|---------------|
| HO. CO. STATION 2483 | ELEV. 305.245 |
| N 506,661.2006 | |
| E 1,354,226.305 | |
| HO. CO. STATION 2485 | ELEV. 340.465 |
| N 506,456.2006 | |
| E 1,356,570.804 | |

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
- 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.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM ONE FOOT CONTOUR INTERVALS PREPARED BY RIEMER MUEGGE & ASSOC. DATED MARCH, 1998.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM.
- THERE IS NO PROPOSED WATER FOR THIS PROJECT.
- THERE IS NO PROPOSED SEWER FOR THIS PROJECT.
- 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.
- THERE IS NO 100-YEAR FLOODPLAIN ON SITE.
- SUBJECT PROPERTY ZONED R-20 PER 10-18-93 COMPREHENSIVE ZONING PLAN.
- 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.
- 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.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT \odot 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.
- PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO 11B0.
- THE DISTURBED AREA AND DISTURBED EARTH WORK IS LESS THAN 5000 SF AND 100 CUBIC YARDS, RESPECTIVELY. THEREFORE, A SEDIMENT CONTROL PLAN IS NOT REQUIRED FOR THIS PROJECT.
- MAINTAIN POSITIVE DRAINAGE IN ALL DRIVEWAY REPAVEMENT AREAS.
- CONTRACTOR SHALL ONLY EXCAVATE THAT AMOUNT OF PIPE THAT CAN BE INSTALLED, BACKFILLED AND STABILIZED THE SAME DAY.
- 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 COMMENCEMENT OF ANY WORK.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENCES AT ALL TIMES EXCEPT TO INSTALL STORM DRAIN ACROSS DRIVEWAY. CONTRACTOR SHALL NOTIFY HOMEOWNER 3 DAYS PRIOR TO DRIVEWAY CLOSURE. THE DRIVEWAY CLOSURE SHALL BE AT A PREDETERMINED TIME ACCEPTABLE TO THE HOMEOWNER AND ONLY FOR 4 HOURS. DRIVEWAY SHALL BE REPLACED IN-KIND TO THE LIMITS DISTURBED.



PLAN
SCALE: 1"=30'

TRAVERSE POINT #210
N 582,867.32
E 1,358,482.03
ELEV. 353.11

STRUCTURE SCHEDULE

| STRUCTURE | TYPE | LOCATION | INV. IN | INV. OUT | TOP | REMARKS |
|-----------|-----------------|-----------------------------|---------|----------|-------|--------------------------|
| I-1 | SINGLE NR INLET | N 503,274.51 E 1,358,041.74 | 357.05 | 356.68 | 360.3 | HOCO STD. DETAIL SD 4.37 |

NOTE: TOP ELEVATION AND LOCATION ARE AT CENTER OF GRATE.

RESTORATION SCHEDULE

| LOCATION | LENGTH | TYPE* |
|------------------------------|---------|--------------|
| § STA. 35+84 TO § STA. 36+75 | 206 FT. | SEED & MULCH |

* USE PERMANENT SEEDING NOTES PER THIS SHEET

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, if not previously loosened.

Soil Amendments - In lieu of soil test recommendations, use one of the following schedules:

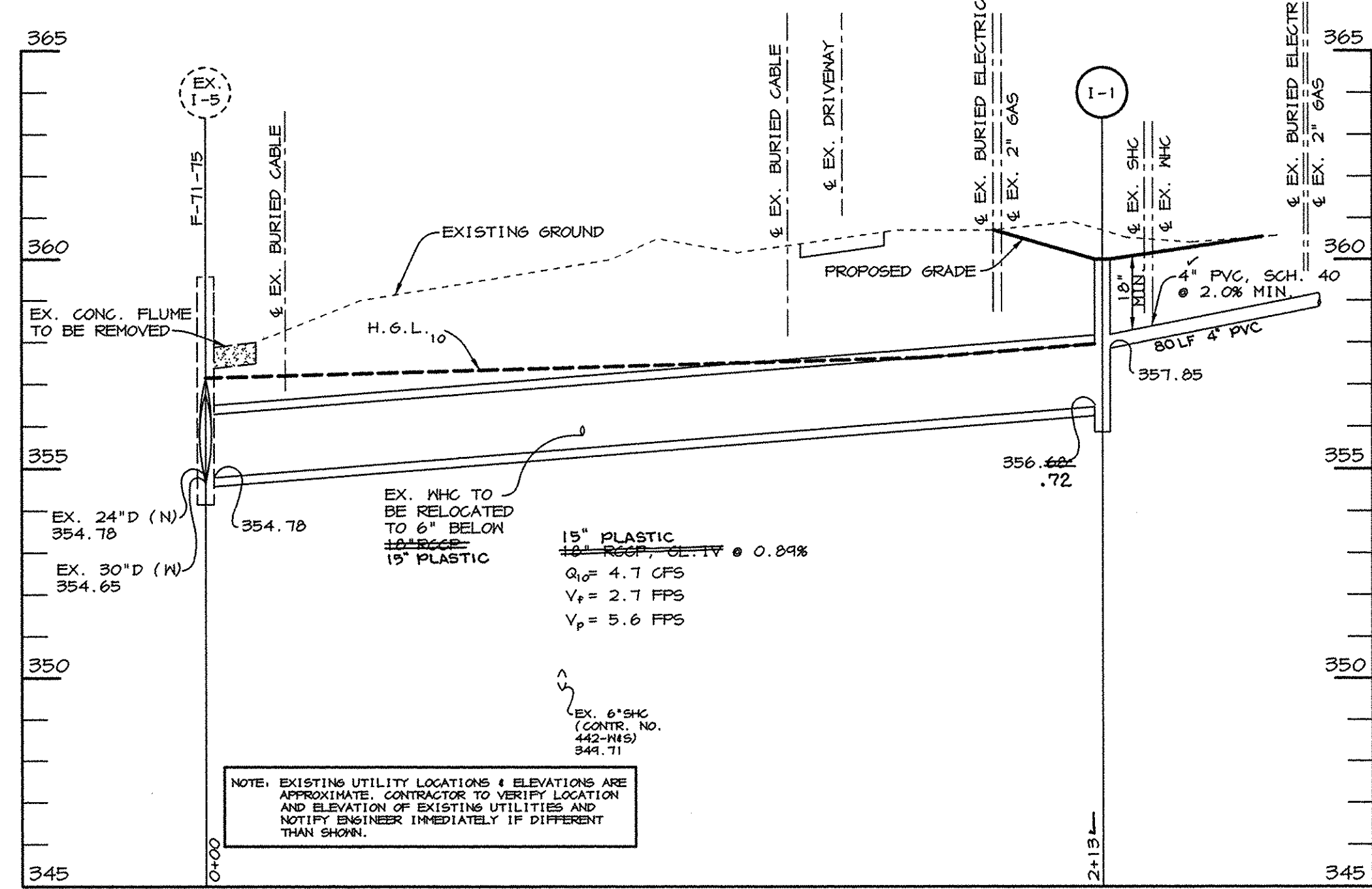
- Preferred - Apply 2 tons per acre dolomitic limestone (42 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureiform fertilizer (4 lbs. per 1000 sq.ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (42 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 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 (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 29, protect site by one of the following options:

- 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- Use sod.
- Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

Mulching - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseeding.



STORM DRAIN PROFILE
SCALE: HOR. 1"=30'
VERT. 1"=3'

| | | | | | | | | | | |
|---|--|---|--|---|--|--|--|--|--|--------------------------------|
| DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND James J. Oliver 5/19/98 DIRECTOR OF PUBLIC WORKS Robert J. Sporn 5/25/98 CHIEF, BUREAU OF ENGINEERING | | RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-9282 98074 SH1.DWG Arthur E. Muegge #8707 | | DES: AAP DRN: MAD CHK: AEM DATE: 5/22/98 | | PLAN AND PROFILE 600' SCALE MAP NO. 24 BLOCK NO. 10 | | DRAINAGE IMPROVEMENTS SPRING MEADOW DRIVE 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND CAPITAL PROJECT No. D-1078-TTT | | SCALE AS SHOWN SHEET 1 OF 1 |
|---|--|---|--|---|--|--|--|--|--|--------------------------------|

AS-BUILT - JULY 6, 1998