



BM#29 ELEV. 216.69  
 R.R. SPIKE IN BG & E POLE #142383  
 RIGHT OF STA. 29+MEADOWRIDGE ROAD

- NOTE:  
 1. PLACE SILT FENCE FOR SEDIMENT CONTROL BETWEEN PROPOSED TRENCH AND PROPERTY LINE TO CONTROL RUNOFF.  
 2. NOTIFY B.G. & E 3 DAYS BEFORE STARTING WORK NEAR POLES 271019 & 49630 SO POLE CAN BE BRACED.

- NOTE:  
 1. ALL GAS & ELECTRIC AND C&P CABLES ARE OVERHEAD  
 2. MEADOWRIDGE ROAD (MD ROUTE 103) HAS A 70' WIDE RIGHT OF WAY FROM I-95 TO BALTIMORE WASHINGTON BOULEVARD (U.S. ROUTE NO. 1).  
 3. FOR TRENCH BEDDING SEE STD. DET. 4.2.01

TENTATIVE SCHEDULE OF CONSTRUCTION

- 2 DAYS a.) OBTAIN PERMITS, MEED HCCI/SO INSPECTORS ON SITE, GIVE HCCI/SO INSPECTOR FINAL APPROVED PLAN AND SCHEDULE  
 1 WEEK b.) CLEAR AND GRUB FOR SEDIMENT CONTROL  
 12 WEEKS c.) CONSTRUCT SILT FENCE FOR SEDIMENT CONTROL ALONG WITH THE CONSTRUCTION OF THE 12" SAN SEWER PIPE AND MANHOLE. STABILIZE SLOPE AS WORK IS COMPLETED AND CLEAN AREA AFTER COMPLETION.

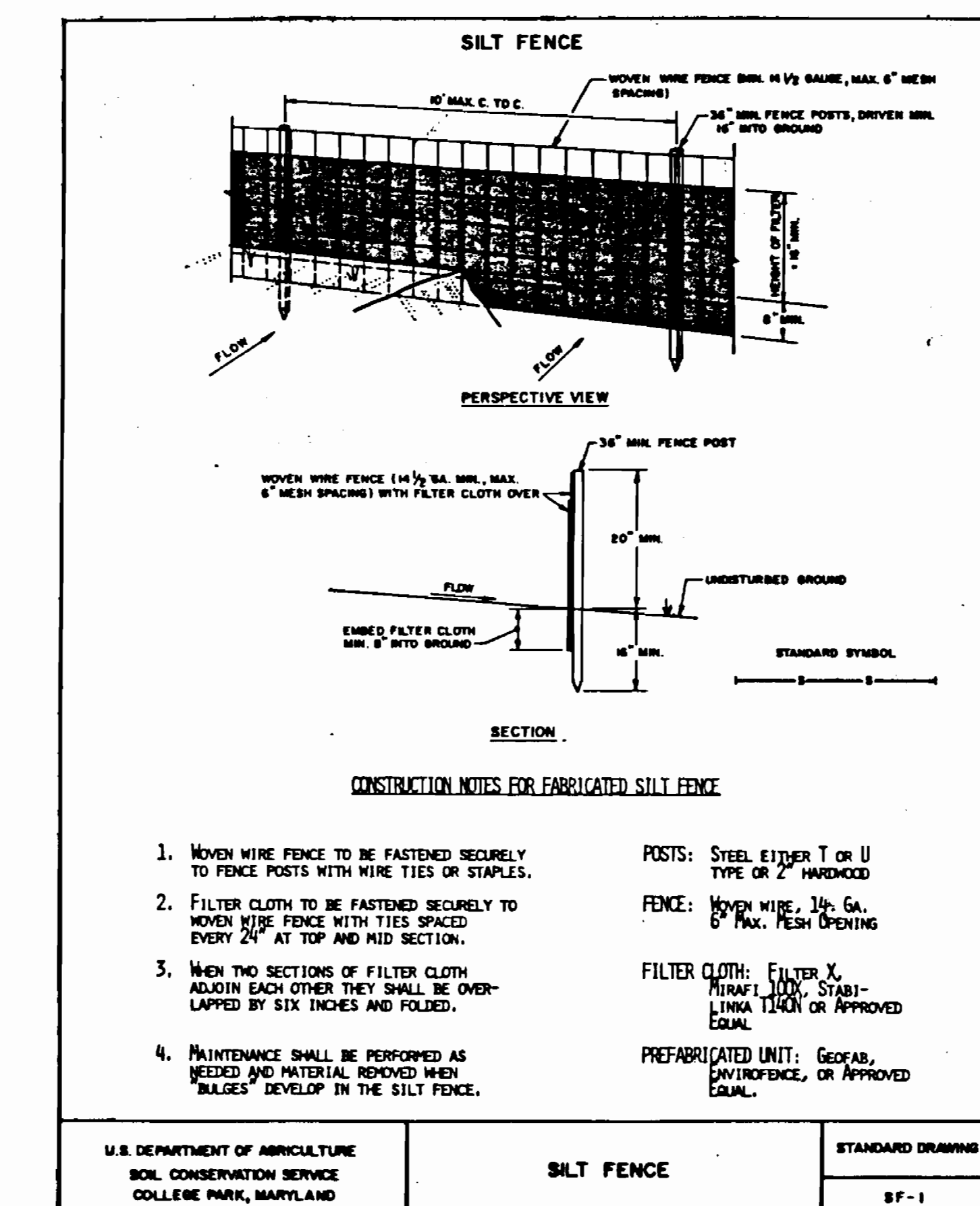
Note: Tunnel Detail & Schedule on Sheet No. 3 of 5

ENGINEERS CERTIFICATION

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.



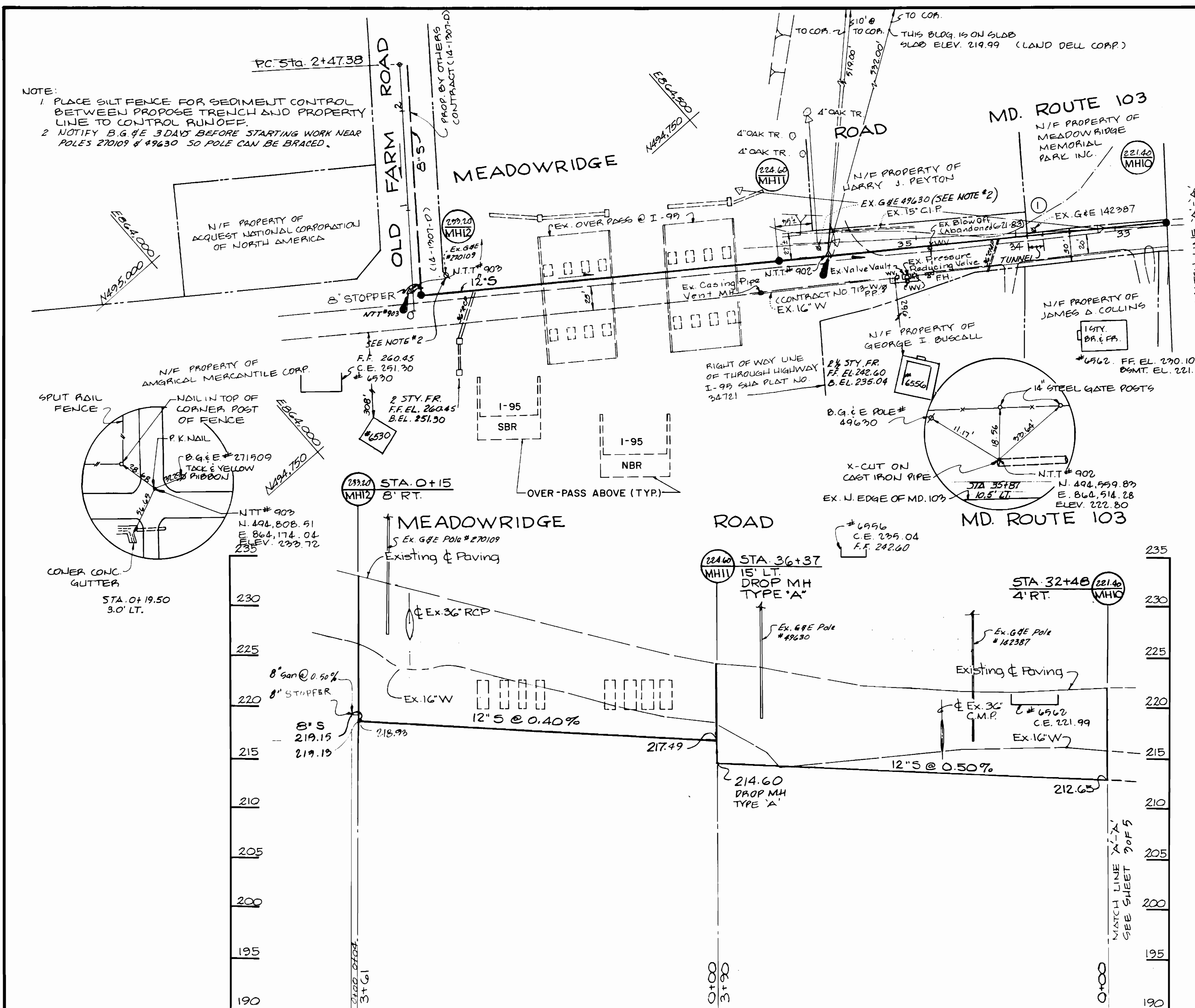
James P. Bealin 12-03-84  
 JAMES P. BEALIN #9954 DSTE



U.S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE  
 COLLEGE PARK, MARYLAND

SILT FENCE

STANDARD DRAWING  
 SF-1





**SEDIMENT AND EROSION CONTROL GENERAL NOTES**

- All work must comply with "1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control" distributed by the Howard County Soil Conservation District.
- The Contractor must filter run-off, and control sediment all within the site, and as noted. Control of Sediment will require the use of "located" type sediment control devices shown on the plan (e.g. Stabilized Construction Entrances, Stone Outlet Sediment Traps, etc.) as well as "unlocated" type devices (e.g. Temporary Seeding areas, Temporary Stockpile Sediment Control, Borrow Pit Sediment Control, etc.) which may not be specifically located on the Plan. All controls must be provided as required to filter sediment and control erosion. No disturbed areas are allowed to drain directly off-site.
- Tentative Plan and Schedule shown below have been approved. Contractor has an option to submit this plan, or his own plan and/or schedule for use as Final Approved Plan.
- The developer is responsible for the acquisition of any easement, rights-of-way, etc. required for any construction operation.
- Inspection by Howard County Department of Public Works, Construction Inspection/Survey Division (HCCI/SD). The contractor or developer shall contact HCCI/SD at least 24 hours in advance of commencement of work. (201) 992-7272.
- Before starting work give HCCI/SD Inspector a copy of Final Approved Plan and Schedule.
- Location adjustments shall be made as field conditions require. Provide temporary seeding and mulching immediately upon installation for all grading type sediment control measures (dikes, trap, etc.).
- The Contractor is responsible for assuring that all sediment control devices are functional on a day to day basis.
- As work progresses cut and fill slopes shall be bermed, or tracked with a cleared bulldozer to create serrations, to minimize erosion.
- Temporary stockpiles must be surrounded by straw bales, except if stockpile is over 500 cu. y. get separate plan approval from HCCI/SD.
- Get written approval from HCCI/SD of waste and borrow areas. Either use areas having current valid sediment control approvals, or submit separate sediment control plan and get approvals as required. Get approvals from HCCI/SD. Give copy of approval to HCCI/SD Inspector.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within:
  - 7 calendar days as to the surface of all perimeter controls, Dikes, Swales, Ditches, Perimeter slopes and all slopes greater than 3:1
  - 14 days as to all other disturbed or graded areas on the project site.
 then followed by permanent seeding and mulching. At Contractor's option, mulch stabilization may be omitted, if:
  - topsoil and permanent seeding and mulching is substituted, or
  - temporary seeding and mulching followed by later permanent seeding is substituted.
- Complete final surfaces (pavements, lawns, turf, etc.). Get HCCI/SD Inspector's approval of grass growth. After approval of Inspector, remove temporary Sediment Control measures.
- Topsoil, permanent seeding and mulching: Place when ground is thawed and air temperature exceeds 32°F.
  - Place topsoil, disc, rake and fine grade,
  - place lime, fertilizer and MSHA Seed Mix No. 1 at 110 to 130 lbs. per acre.
  - Place mulch at 2 tons per acre and secure with asphaltic tack or 2 1/2 tons per acre and secure with mulch anchoring tool.
- Temporary seeding and mulching: Place when ground is thawed.
  - Disc soil to 3 inch depth, and fine grade.
  - Place fertilizer and MSHA temporary seeding. Mix No. 1 130 ± lbs. per acre,
  - place mulch at 2 tons per acre and secure by peg and string or asphalt tack, or 2 1/2 tons per acre and secure with mulch anchoring tool.
  - Replace with topsoil, permanent seed and mulch, (14 above).
- Mulch Stabilization: Place at any time.
  - Place mulch at 2 tons per acre, secure by peg string or by asphalt tack or at 2 1/2 tons per acre and secure with mulch anchor tool.
  - Replace with topsoil, permanent seed and mulch (14 above).

**ENGINEERS CERTIFICATION**

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.

*James P. Beal* 12-03-84  
 JAMES P. BEAL #9754 DATE



#9754 12-03-84

**DEVELOPER'S CERTIFICATION**

"I/We certify that all development and 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 Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project."

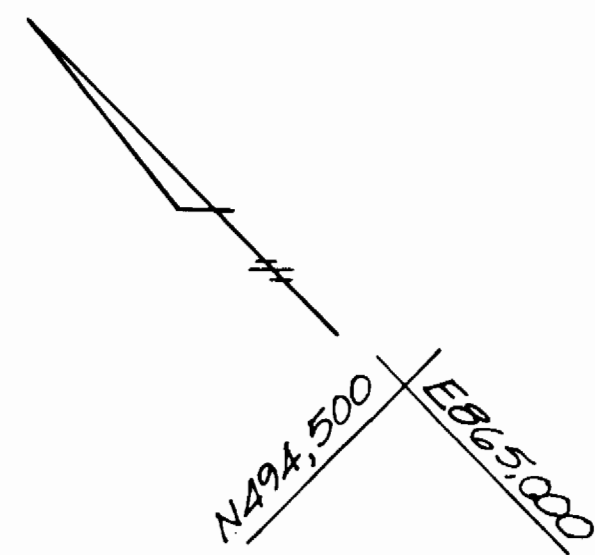
OWNER \_\_\_\_\_ DATE \_\_\_\_\_

Reviewed for \_\_\_\_\_ S.C.D. Name and meets Technical Requirements.

U.S. Soil Conservation Service Date \_\_\_\_\_

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

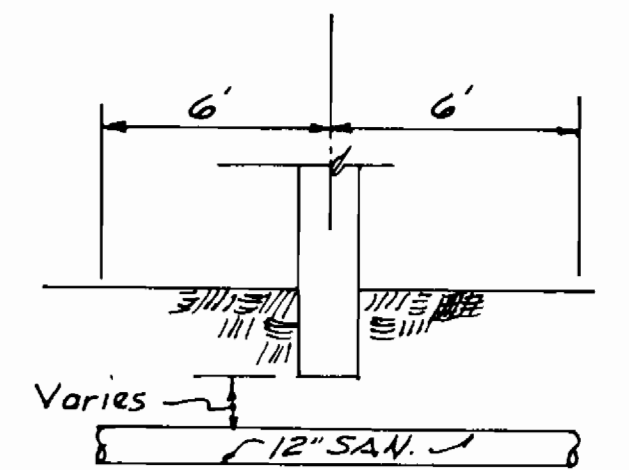
Howard S.C.D. Date \_\_\_\_\_



BM\*29 ELEV. 216.69  
 R.R. SPIKE IN BG & E POLE #142383  
 RIGHT OF STA. 29 + MEADOWRIDGE ROAD

NOTE: PLACE SILT FENCE FOR SEDIMENT CONTROL BETWEEN PROPOSED TRENCH AND PROPERTY LINE TO CONTROL RUN OFF.

Note: Tunneling must begin 6' either side of pole



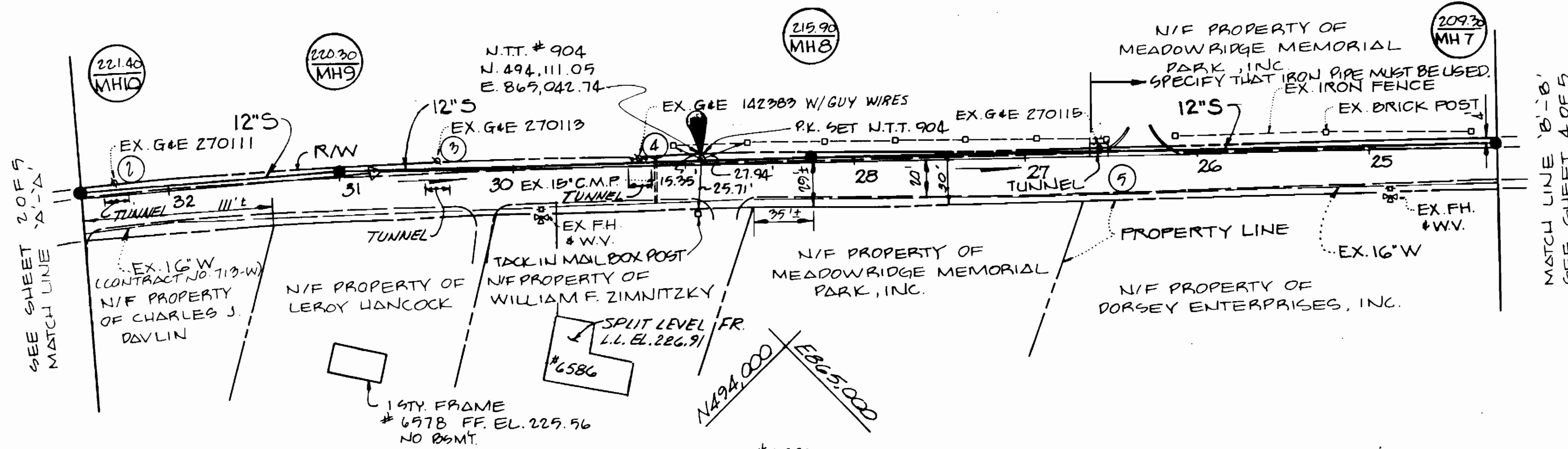
**TUNNEL DETAIL**

N.T.S.

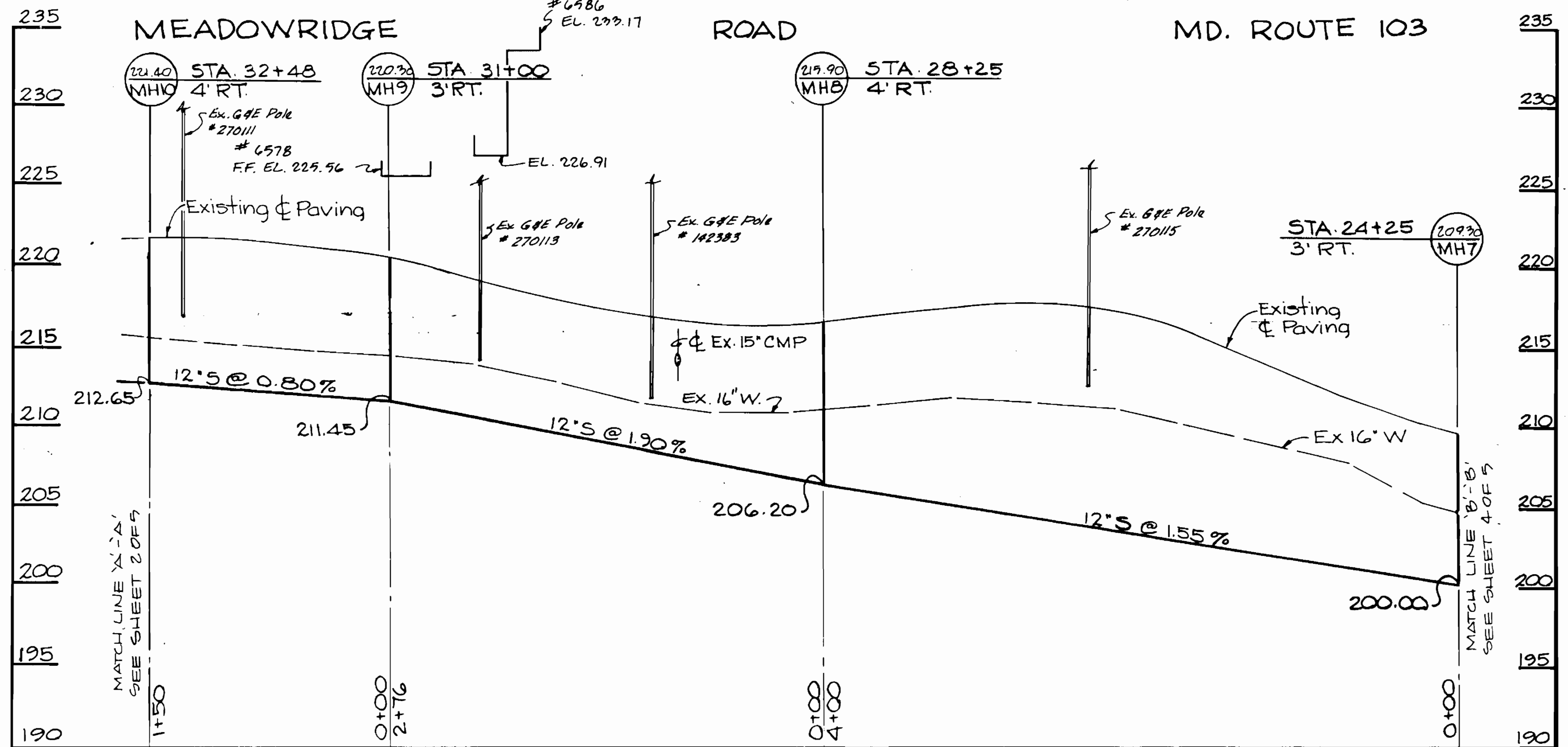
MEADOWRIDGE ROAD

ROAD

MD. ROUTE 103



Tunnel Location Schedule	
G&E Pole No.	Station
142387	33+81
27011	32+31
27013	30+44
142383	29+27
27015	26+56
334759	23+46
142378	22+13
271351	21+03
271360	19+98
334725	18+62
372550	17+50
142373	15+76
142372	14+36
135676	11+96
135675	11+36
135674	10+06
135673	8+68
21485	6+00
135670	4+36



CASSELL ENGINEERING, INC.  
 PLANNERS AND SURVEYORS.  
 KENNEDY, PORTER & ASSOC. INC.  
 CONSULTING ENGINEERS

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 DIRECTOR OF PUBLIC WORKS - DATE \_\_\_\_\_  
 CHIEF - BUREAU OF ENGINEERING - DATE \_\_\_\_\_  
 CHIEF - BUREAU OF UTILITIES - DATE \_\_\_\_\_  
 CHIEF - LAND DEVELOPMENT DIV - DATE \_\_\_\_\_

CONTRACT NO. 10-1306-D

PLANS AND PROFILES OF  
 SEWER MAINS  
 600 SCALE MAP NO.37 BLOCK NO. \_\_\_\_\_

GREEN MEADOW FARMS  
 OFFSITE SEWER  
 MEADOW RIDGE ROAD MD. ROUTE 103  
 1ST ELECTION DISTRICT-ELKRIDGE TAX MAP NO.37

DRAWING NO. 3 OF 5

SCALE 1" = 50' H 1" = 5' V

DES: J.K.D.  
 DRWN: A.D.  
 CH'D: J.P.B.

ENGINEERS CERTIFICATION

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*J.P. Beall* 12-03-84  
 JAMES P. BEALL #9754 DATE

*J.P. Beall*  
 #9754 12-03-84

MATCH LINE 'B'-'B'  
 SEE SHEET 2 OF 5

MATCH LINE 'C'-'C'  
 SEE SHEET 5 OF 5

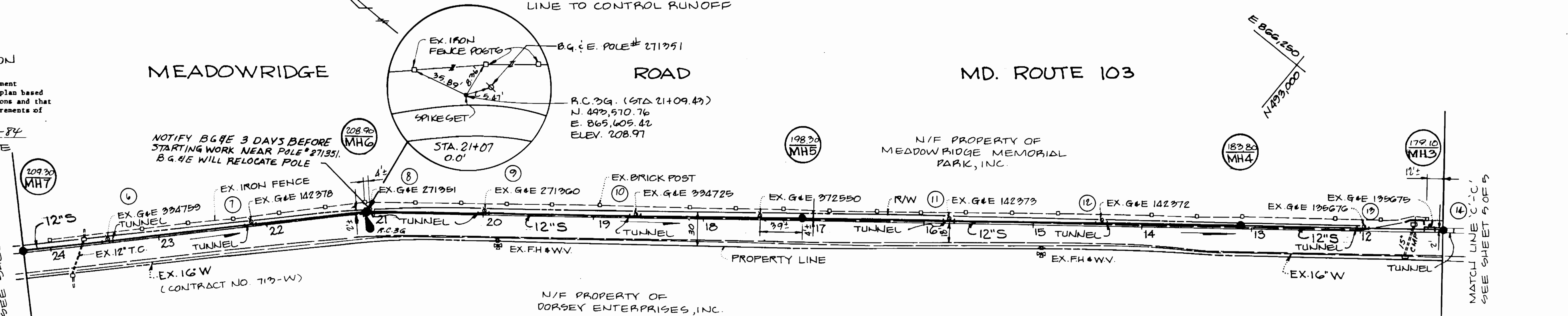
MEADOWRIDGE ROAD

MD. ROUTE 103

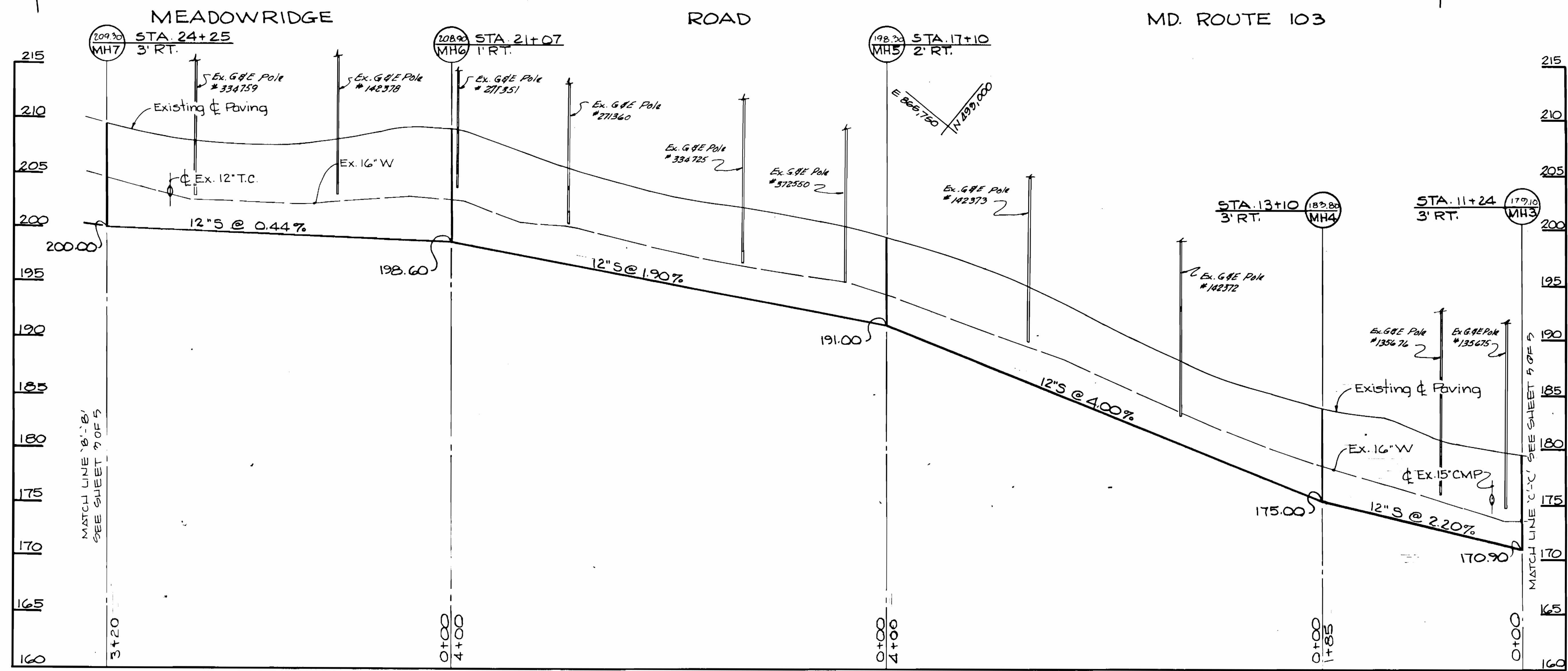
NOTE:  
 PLACE SILT FENCE FOR SEDIMENT CONTROL BETWEEN PROPOSED TRENCH AND PROPERTY LINE TO CONTROL RUNOFF

BM 15 ELEV. 195.52  
 R.R. SPIKE IN BG & E POLE #142373  
 RIGHT OF STA. 15 + MEADOWRIDGE ROAD

BM 29 ELEV. 216.69  
 R.R. SPIKE IN BG & E POLE #142383  
 RIGHT OF STA. 29 + MEADOWRIDGE ROAD



Note: Tunnel Detail of Schedule on Sheet No. 3 of 5



CASSELL ENGINEERING, INC.  
 PLANNERS AND SURVEYORS  
 KENNEDY, PORTER & ASSOC. INC.  
 CONSULTING ENGINEERS

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 CHIEF - BUREAU OF UTILITIES - DATE  
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CONTRACT NO. 10-1306-D  
 PROJECT NO.

PLANS AND PROFILES OF  
 SEWER MAINS  
 600 SCALE MAP NO. 37 BLOCK NO.

GREEN MEADOW FARMS  
 OFFSITE SEWER  
 MEADOWRIDGE ROAD MD. ROUTE 103  
 1ST ELECTION DISTRICT - ELKRIDGE TAX MAP NO. 37

DRAWING NO. 4 OF 5  
 SCALE 1" = 50' H  
 1" = 5' V

DES: J.K.D.  
 DRWN: A.D.  
 CH'D: J.P.B.

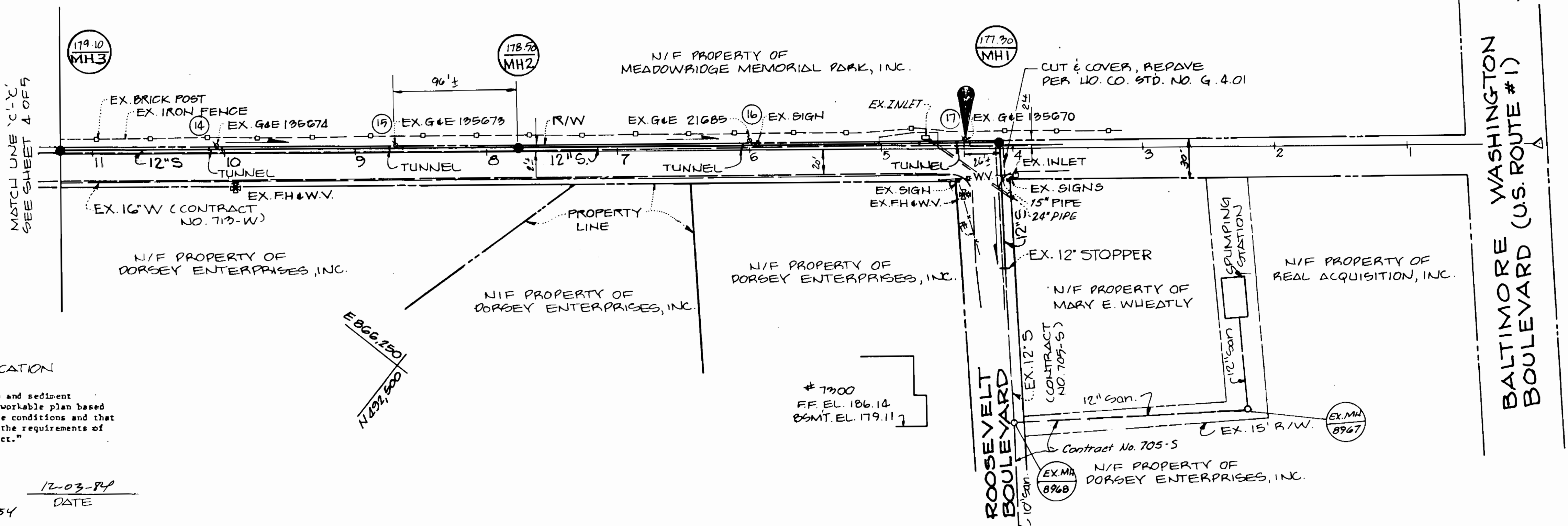


BM #4 ELEV. 177.74  
 R.R SPIKE IN BG & E POLE #135670  
 RIGHT OF STA. 4 + MEADOWRIDGE ROAD

Note Tunnel Detail & Schedule  
 on Sheet No. 3 of 5

NOTE:  
 PLACE SILT FENCE FOR SEDIMENT CONTROL  
 BETWEEN PROPOSED TRENCH AND PROPERTY  
 LINE TO CONTROL RUN-OFF

MEADOWRIDGE ROAD MD. ROUTE 103



BM HOWARD CO. ±2345001-R ELEV 191.46  
 TOP OF REINFORCING BAR 0.2 FT. BELOW THE  
 SURFACE, SOUTHEAST SIDE OF U.S. ROUTE 1,  
 OPPOSITE MEADOWRIDGE ROAD, 16 FT. EAST OF  
 CORNER OF STORM DRAIN INLET

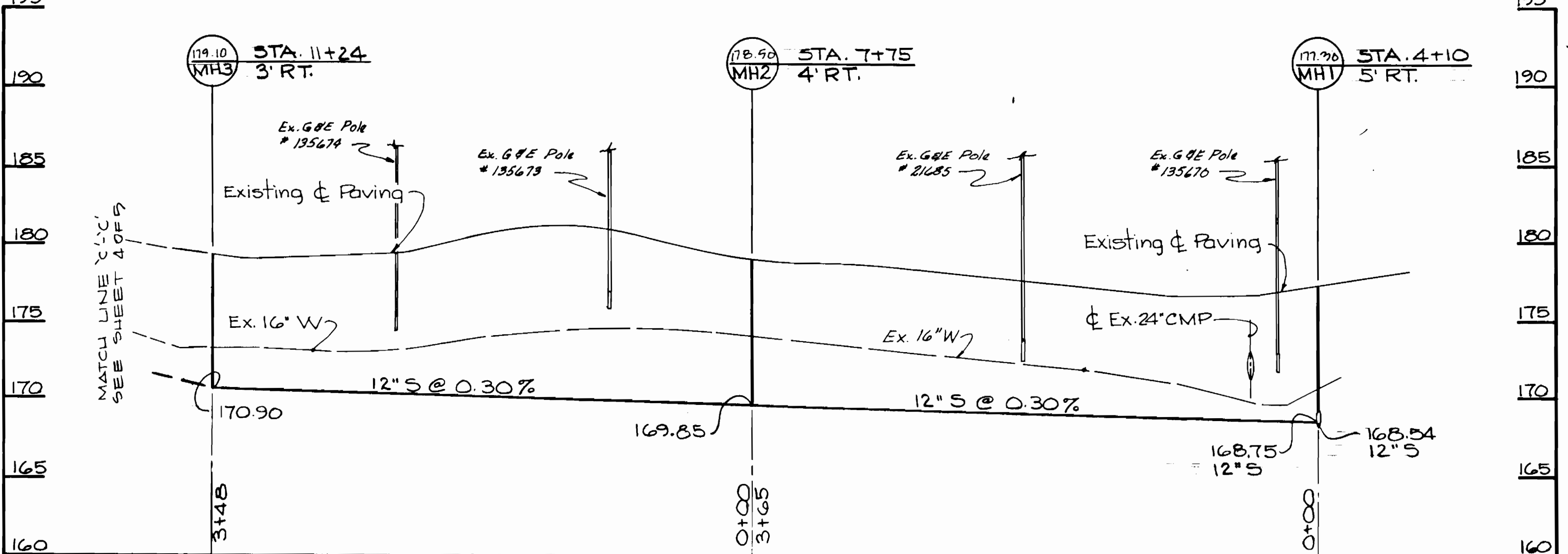
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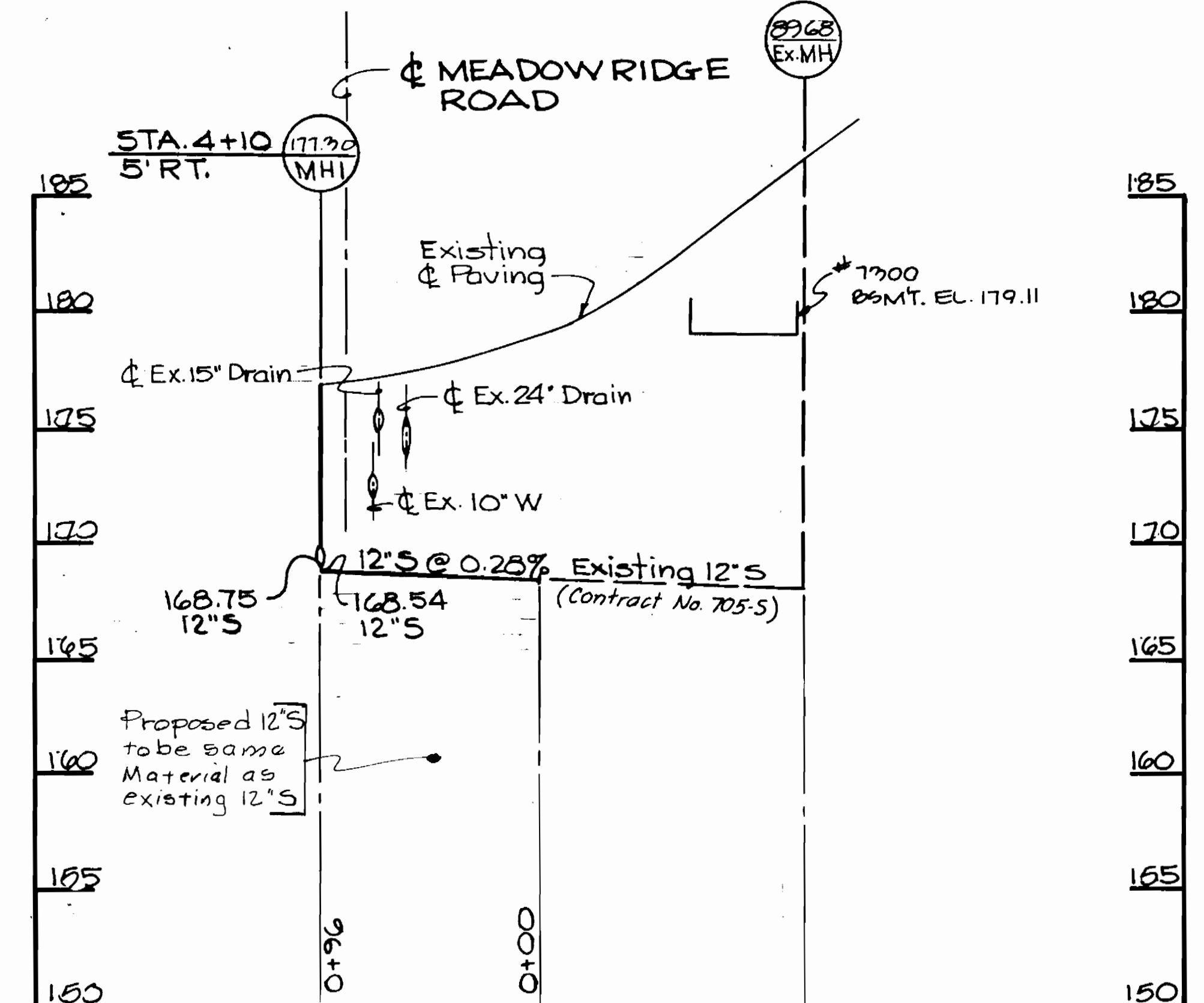
James P. Beall  
 JAMES P. BEALL #9954  
 12-03-84  
 DATE

James P. Beall  
 #9954 12-03-84

MEADOWRIDGE ROAD MD. ROUTE 103



ROOSEVELT BOULEVARD



CASELL ENGINEERING, INC.  
 PLANNERS AND SURVEYORS.  
 KENNEDY, PORTER & ASSOC. INC.  
 CONSULTING ENGINEERS

DEPARTMENT OF PUBLIC WORKS  
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CONTRACT NO. 10-1306-D

PLANS AND PROFILES OF  
 SEWER MAINS  
 600 SCALE MAP NO. 37 BLOCK NO. \_\_\_\_\_

GREEN MEADOW FARMS  
 OFFSITE SEWER  
 MEADOW RIDGE ROAD MD. ROUTE 103  
 1ST ELECTION DISTRICT - ELKRIDGE TAX MAP NO. 37

DRAWING NO. 5 OF 5  
 SCALE 1" = 50' H  
 1" = 5' V

DES: J.K.D.  
 DRWN: A.D.  
 CH'D: J.P.B.