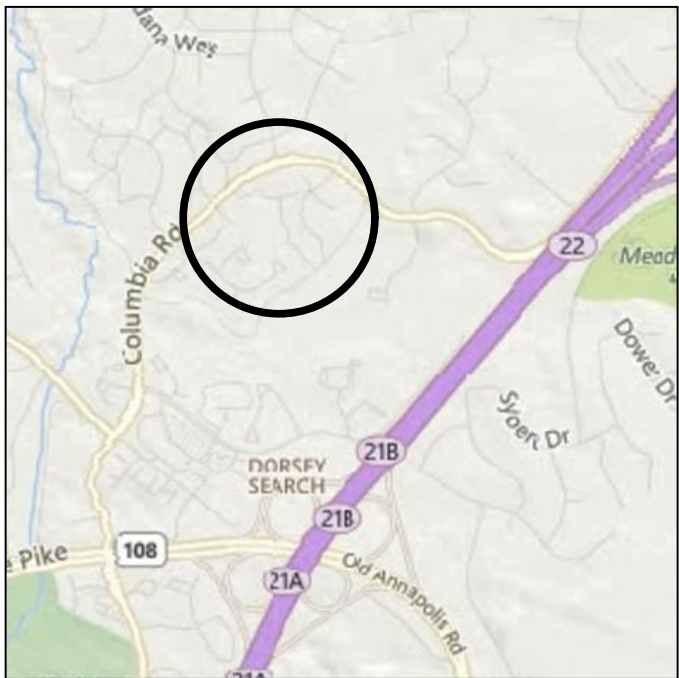


CONSTRUCTION NOTES

1. ALL MATERIALS SHALL MEET OR EXCEED CURRENT HOWARD COUNTY VOLUME IV DESIGN MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY WORK BEING PERFORMED.
3. SURVEY OF THIS SITE WAS PERFORMED BY OTHERS
4. STORMWATER MANAGEMENT IS NOT REQUIRED FOR THIS PROJECT SINCE THE PROJECT WILL NOT ADD IMPERVIOUS AREA AND DISTURBS LESS THAN 5000 S.F.
5. OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVEINENCE OF THE CONTRACTOR ONLY, AND STRAUGHAN ENVIRONMENTAL DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY SUCH INFORMATION AT HIS/HER OWN SATISFACTION.
6. THE EXISTING INFORMATION SHOWN ON THESE PLANS WAS TAKEN FROM THE BEST AVAILABLE SOURCES AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE STARTING CONSTRUCTION.
7. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY. ALL UTILITIES SHALL HAVE A CLEARANCE OF A LEAST 2 FEET VERTICALLY AND A MINIMUM 5 FEET HORIZONTALLY.
8. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY STRAUGHAN ENVIRONMENTAL IMMEDIATELY TO RESOLVE THE SITUATION.
9. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
10. THE CONTRACTOR IS SOLEY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, TESTING, VERIFICATIONS, AND SAFETY PERCAUTIONS AND PROGRAMS.
11. ALL BACKFILL AROUND STRUCTURES MUST BE HAND-COMPACTED IN 4 INCH LIFTS.
12. THERE WILL BE NO CHANGES IN SPECIFICATIONS, DIMENSIONS, OR MATERIALS UNLESS APPROVED BY THE ENGINEER RESPONSIBLE FOR THIS DRAWING.

SEQUENCE OF CONSTRUCTION

1. BEFORE BEGINING CONSTRUCTION NOTIFY ALL APPLICABLE AGENCIES.
2. PERFORM ALL WORK IN A TIMELY MANNER.
3. INSTALL SILT FENCE PRIOR TO GRUBBING.
4. AFTER ALL STORMWATER MATERIALS ARE ON-SITE AND DURING A 5-DAY CLEAR WEATHER FORECAST, REMOVE EXISTING 12" CMP PIPE AND ASPHALT PATH SECTION. INSTALL END SECTION, 12" HDPE OUTFALL PIPE, AND PROPOSED INLET. COMPLETE GRADING OVER OUTFALL PIPE AND REPAIR ASPHALT PATH.
6. INSTALL UNDERDRAIN AND SPECIFIED MEDIA FOR RAIN GARDEN. COMPLETE GRADING FOR RAIN GARDEN FACILITY.
7. SPREAD TOPSOIL AND STABILIZE ALL DISTURBED AREAS ACCORDING TO SEEDING RECOMMENDATIONS.
8. REMOVE EROSION AND SEDIMENT CONTROL MEASURES FOLLOWING APPROVAL BY INSPECTOR.

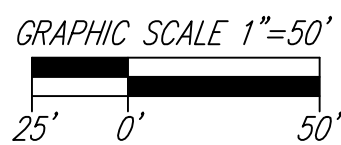


VICINITY MAP

SCALE: 1"=2000'

LEGEND

- DRAINAGE AREA TO PROPOSED FACILITY
- TIME OF CONCENTRATION PATH
- PROPOSED CONTOURS (SWM)
- EXISTING CONTOURS (GIS)
- LIMIT OF DISTURBANCE
- PROPERTY LINES
- PROPOSED STORM DRAIN PIPE
- EXISTING STORM DRAIN PIPE
- HYDROLOGIC SOIL GROUP BOUNDARY
- IMPERVIOUS AREA
- OPEN SPACE
- WOODS WITH GRASS



DATA SUMMARY:
LIMIT OF DISTURBANCE = 4535 SF

RAIN GARDEN 1
DRAINAGE AREA TO PROP. RAIN GARDEN 1 = 46,050 SF (1.06 AC)
IMPERVIOUS AREA TO PROP. RAIN GARDEN 1 = 9229 SF (0.21 AC)
PROVIDED WQ_v IN RAIN GARDEN 1 = 1003 CF
PROVIDED (P_e) IN PROP. RAIN GARDEN 1 = 1.13 IN



COLUMBIA ASSOCIATION	
DORSEY HALL COMMUNITY POOL DRAINAGE AND STORMWATER MANAGEMENT CONTROL	
REVISIONS	PROPOSED DRAINAGE AREA MAP
SCALE 1" = 50' ADVERTISED DATE _____ CONTRACT NO. _____	
DESIGNED BY: BW COUNTY: HOWARD	
DRAWN BY: BW LOGMILE: _____	
CHECKED BY: IAI HORIZONTAL SCALE 1" = 50'	
F.A.P. NO. _____ VERTICAL SCALE _____	
DRAWING NO. SW - 01 OF 03	SHEET NO. 1 OF 3

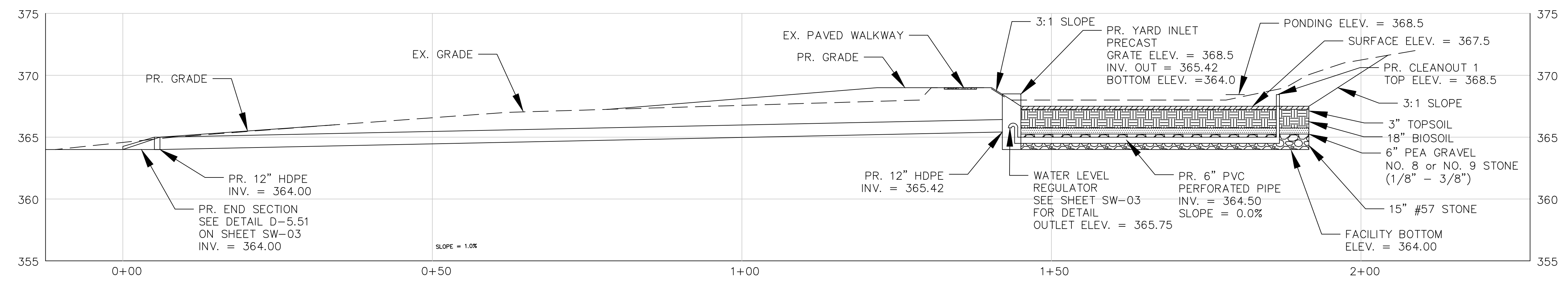
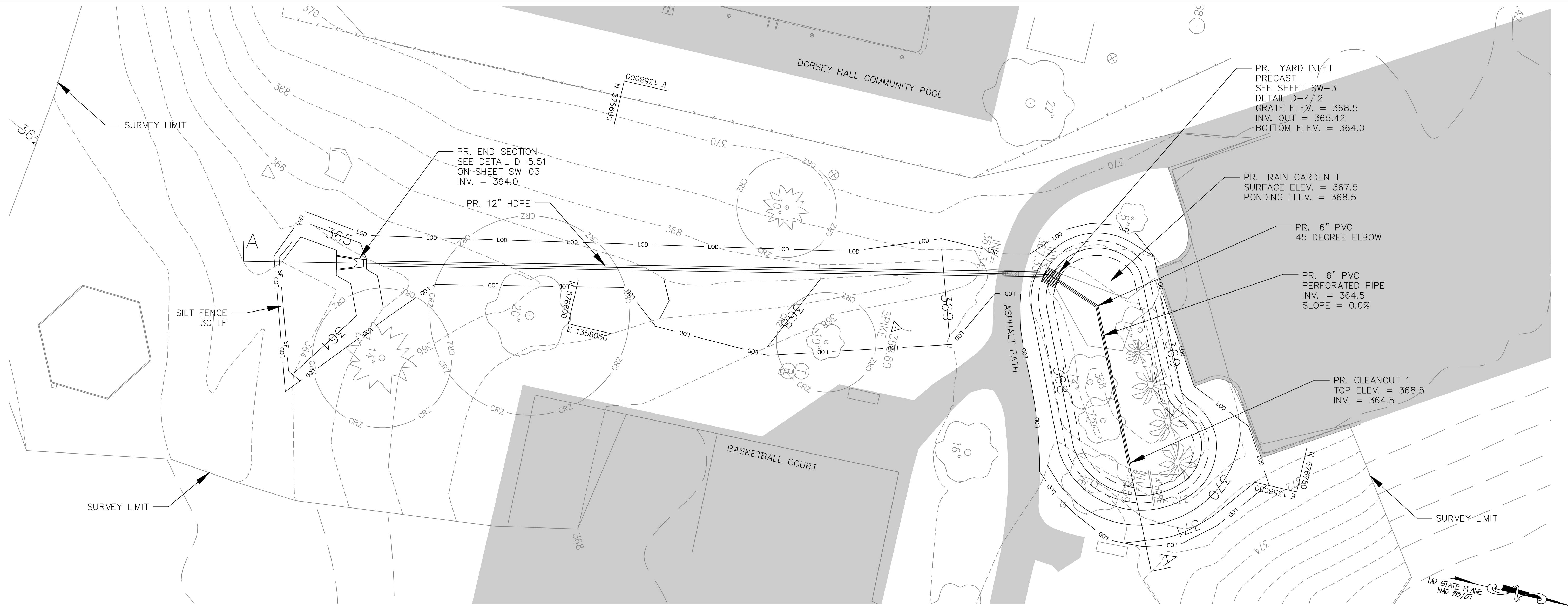
DRILL HOLES

DRILL HOLES

DRILL HOLES

BY: BWIEMERS

Border Rev. Date: March 27, 2007



SECTION A-A: RAIN GARDEN 1
HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



COLUMBIA ASSOCIATION	
DORSEY HALL COMMUNITY POOL DRAINAGE AND STORMWATER MANAGEMENT CONTROL	
REVISIONS	GRADING PLAN, SEDIMENT CONTROL & PROFILE
SCALE 1"= 10' ADVERTISED DATE _____ CONTRACT NO. _____	
DESIGNED BY BW	COUNTY HOWARD
DRAWN BY BW	LOGMILE
CHECKED BY IAI	HORIZONTAL SCALE 1" = 10'
F.A.P. NO. _____	VERTICAL SCALE 1" = 5'
DRAWING NO. SW - 02 OF 03	SHEET NO. 2 OF 3

PLOTTED: DECEMBER 24, 2020
FILE: PSD-P0001-7038_TASK 2

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RE-DISTURBED WHERE SHORT-TERM VEGETATION COVER IS NEEDED.
SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PERVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600LBS/ACRE 10-10-10 FERTILIZER (14LBS/1000S.F.).

SEEDING - FOR THE PERIODS MARCH 1 - APRIL 30, AND AUGUST 15 - OCTOBER 15, SEED WITH 2½ BUCHEL PER ACRE OF ANNUAL RYE (3.2LBS/1000S.F.). FOR THE PERIOD MAY 1 - AUGUST 14, SEED WITH 3LBS/ACRE OF WEEPING LOVEGRASS (0.07LBS/1000S.F.). FOR THE PERIOD NOVEMBER 16 - FEBRUARY 28, PROTECT SITE BY APPLYING 2TONS/ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90LBS/1000S.F.) OF UNROTTED, WEED-FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5GAL/1000S.F.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHTER, USE 348 GALLONS PER ACRE (8LBS/1000S.F.) FOR ANCHORING. REFER TO 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LOG-LIVED VEGETATIVE COVER IS NEEDED.
SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ON OF THE FOLLOWING SCHEDULES:

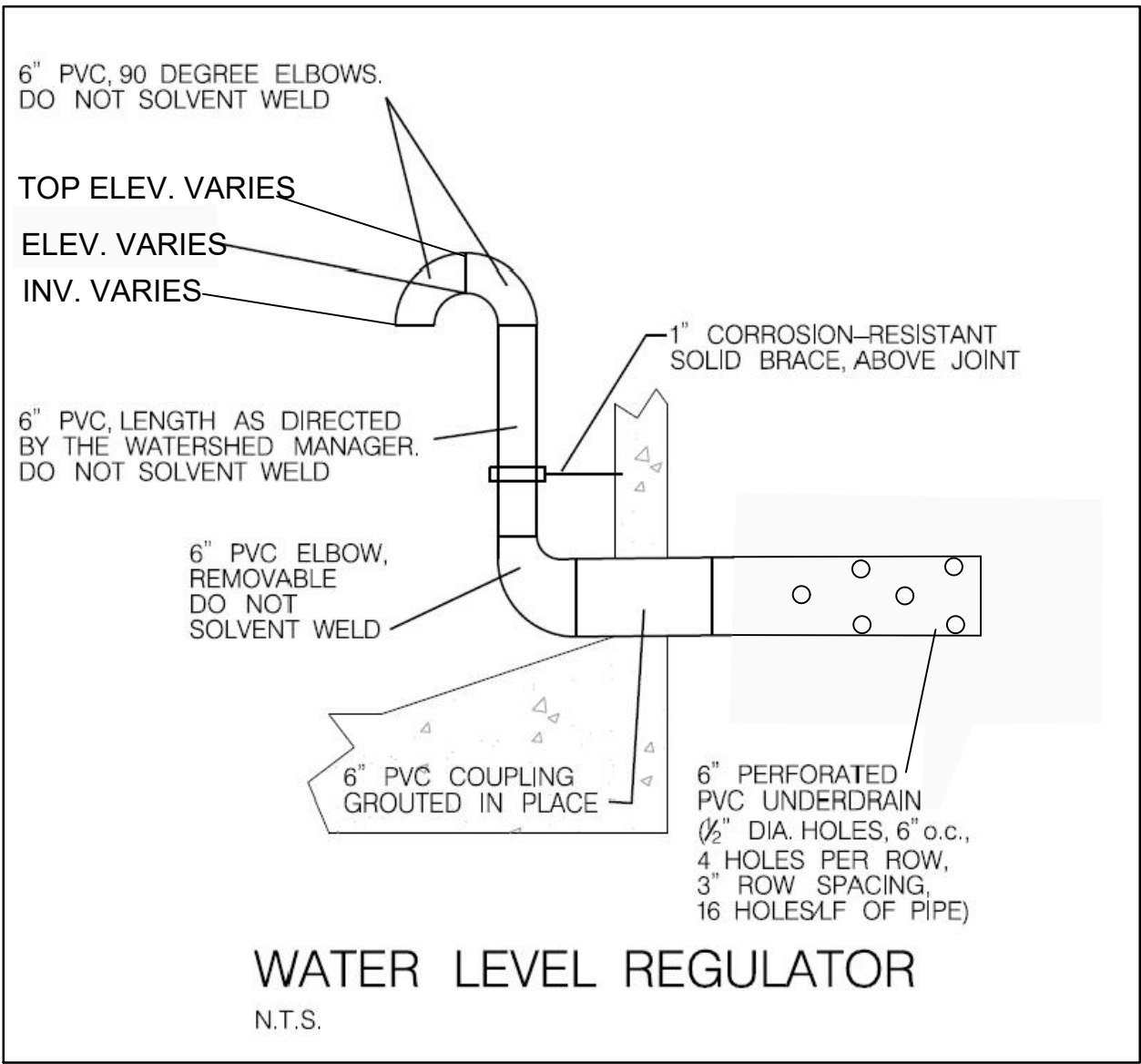
1. PREFERRED - APPLY 2 TONS/ACRE DOLOMITIC LIMESTONE (92LBS/1000S.F) AND 600 LBS/ACRE 10-10-10 FERTILIZER (14LBS/1000S.F.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400LBS/ACRE 30-0-0 UREAFORM FERTILIZER (9LBS/1000S.F.)

2. ACCEPTABLE - APPLY 2 TONS/ACRE DOLOMITIC LIMESTONE (92LBS/1000S.F) AND 1000 LBS/ACRE 10-10-10 FERTILIZER (23LBS/1000S.F.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

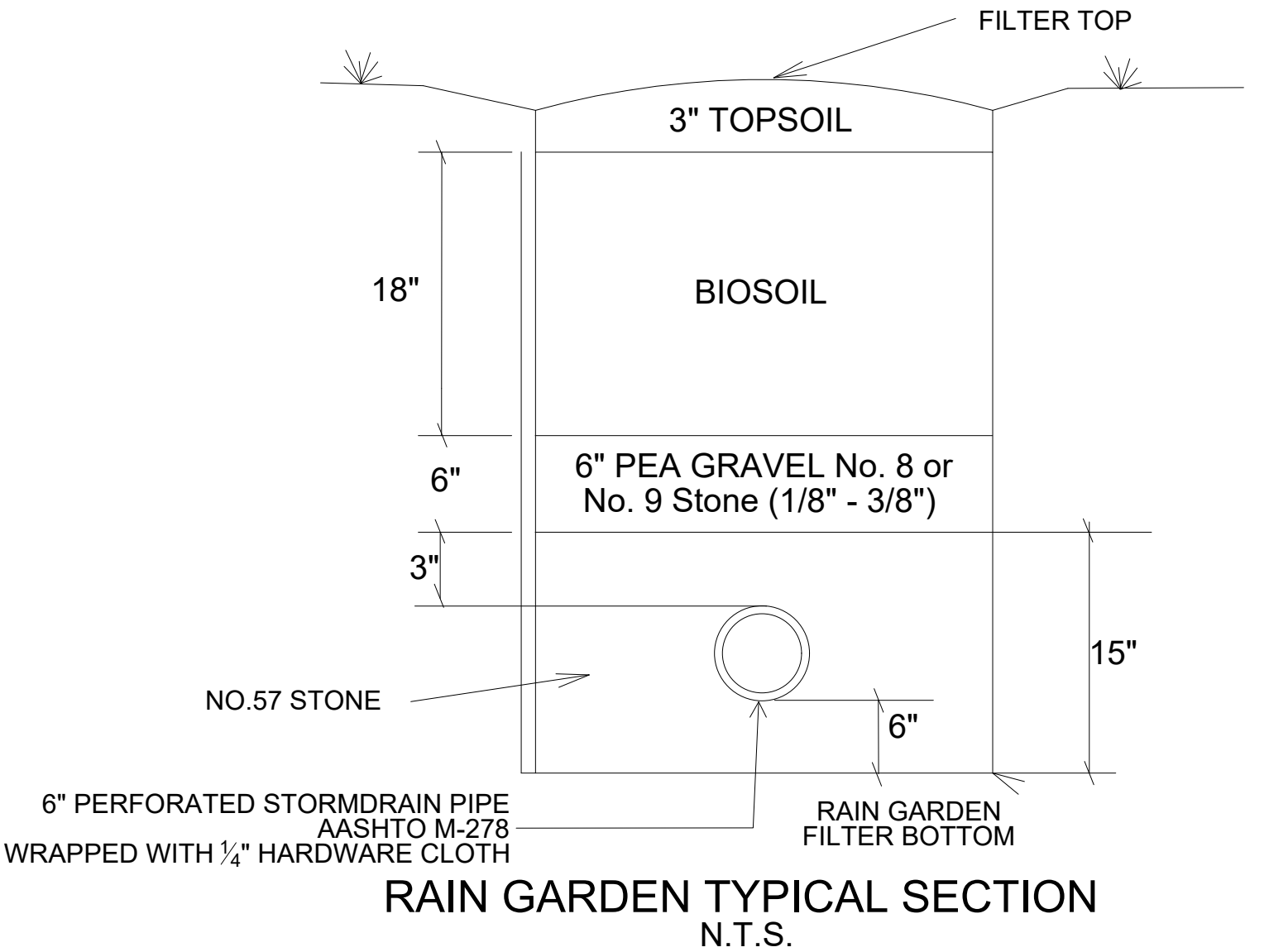
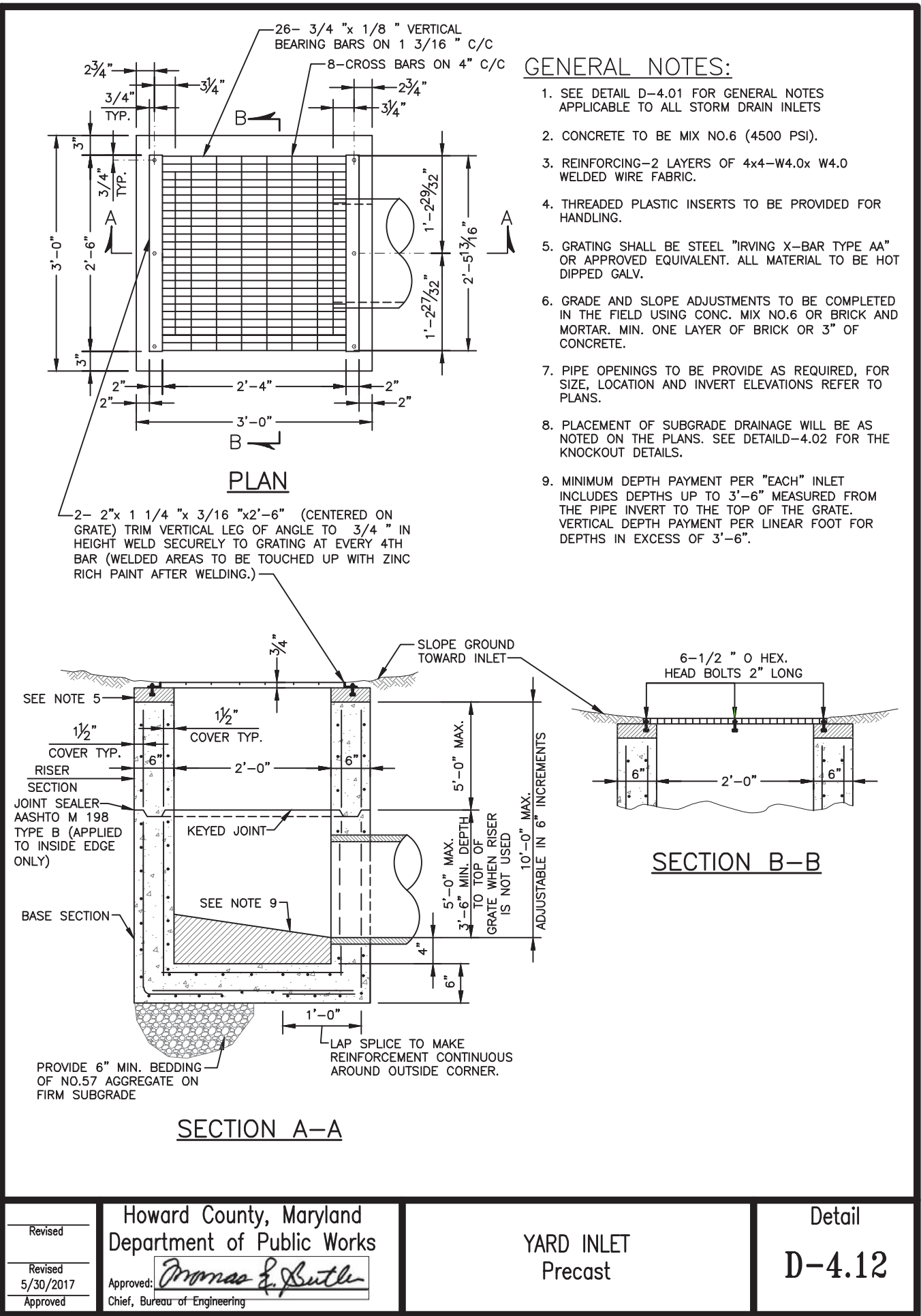
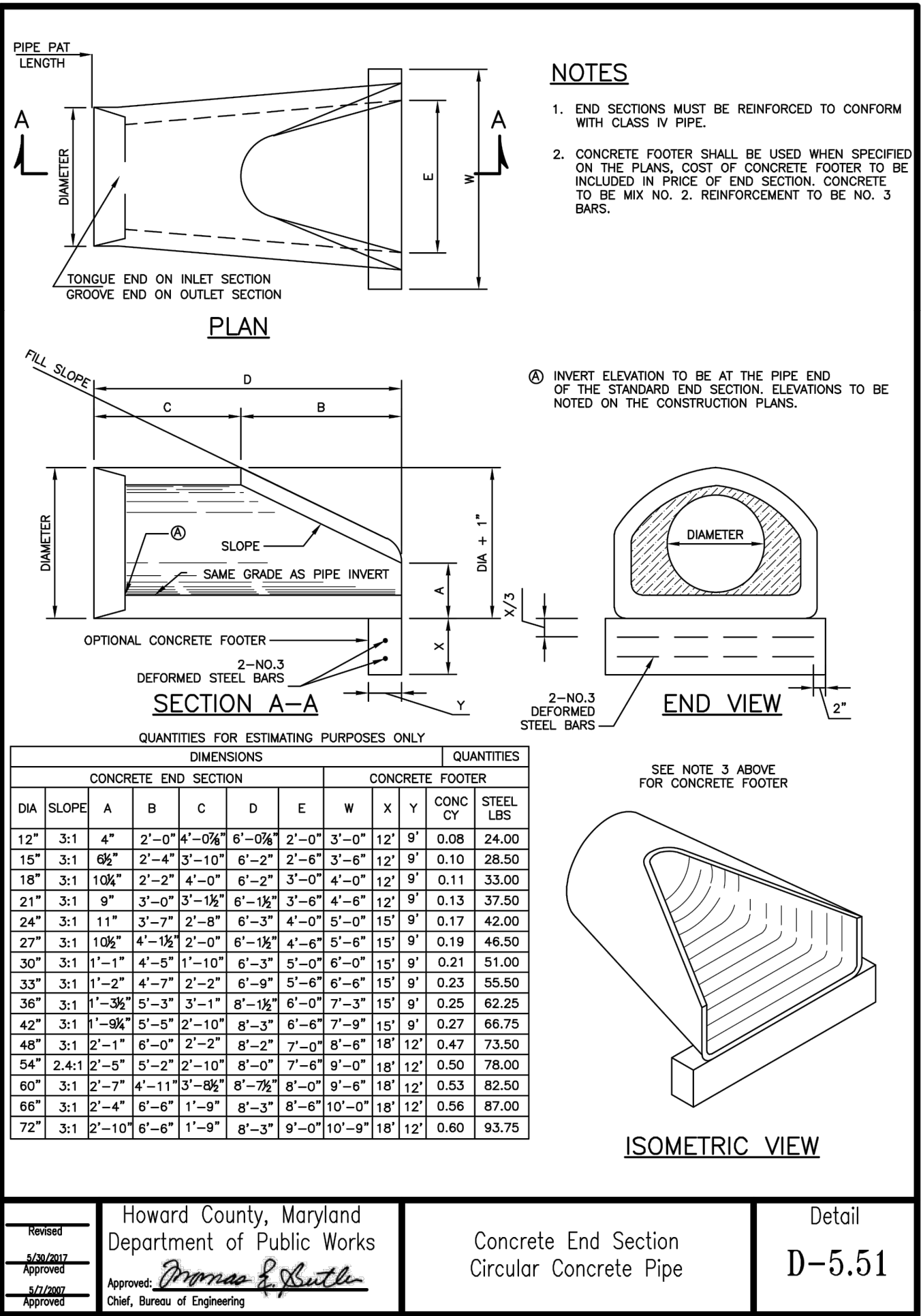
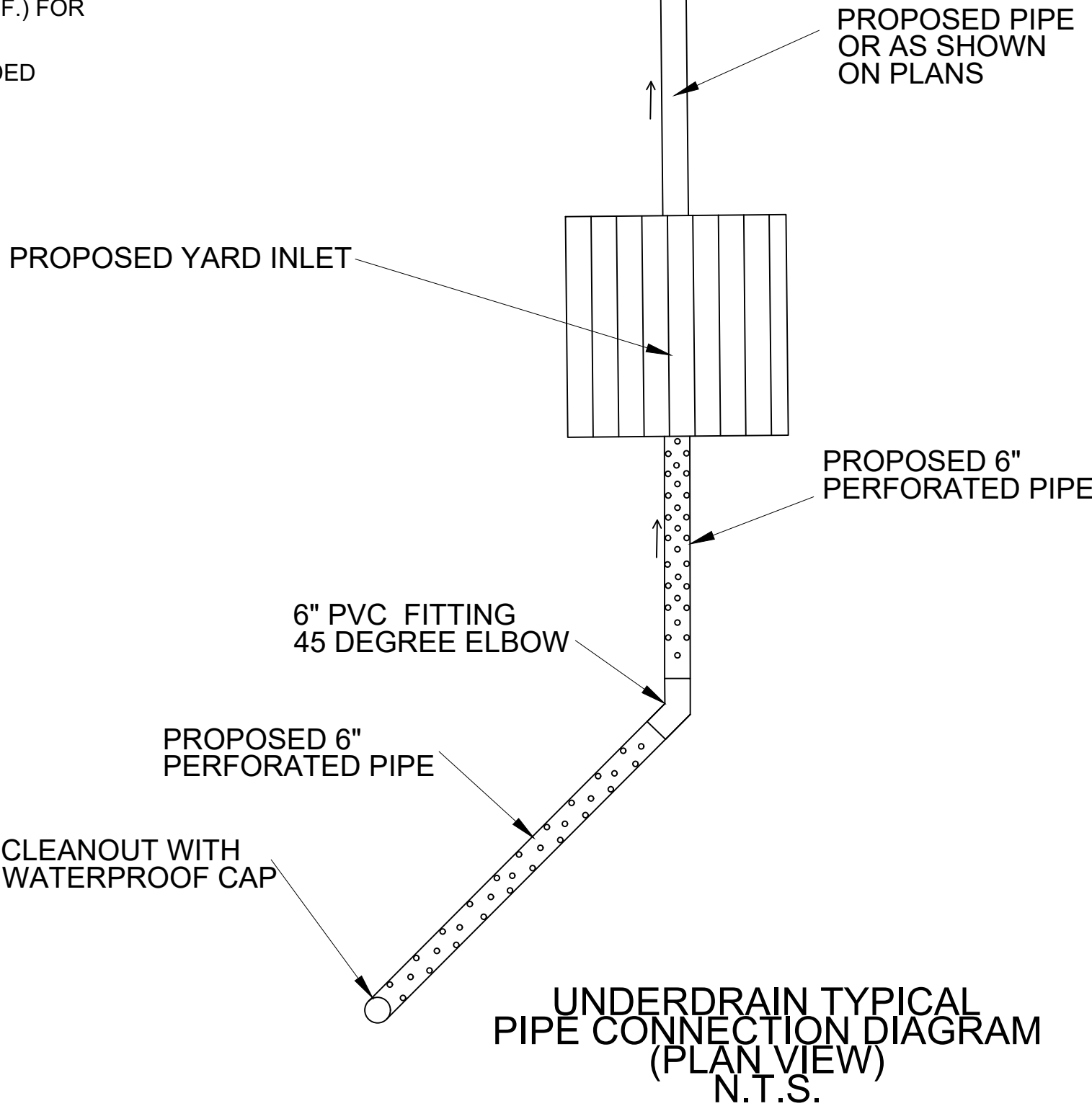
SEEDING - FOR THE PERIODS MARCH 1 - APRIL 30, AND AUGUST 1 - OCTOBER 15, SEED WITH 10LBS/ACRE (1.4LBS/1000S.F.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 - JULY 31, SEED WITH 60LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2LBS/ACRE (0.05LB/1000S.F.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16TH - FEBRUARY 28, PROTECT SITE BY:
OPTION 1 - TWO TONES PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING.
OPTION 2 - USE SOD.
OPTION 3 - SEER: WITH 60LBS/ACRE KENTUCKY 30 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90LBS/1000S.F.) OF UNROTTED, WEED-FREE, SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5GAL/1000S.F.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHTER, USE 348 GALLONS PER ACRE (8LBS/1000S.F.) FOR ANCHORING.

MAINTANENCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.



WATER LEVEL REGULATOR
(N.T.S.)



COLUMBIA ASSOCIATION	
DORSEY HALL COMMUNITY POOL	
DRAINAGE AND STORMWATER	
MANAGEMENT CONTROL	
REVISIONS	
DETAILS	
SCALE	N.T.S.
ADVERTISED DATE	CONTRACT NO.
DESIGNED BY	BW
COUNTY	HOWARD
DRAWN BY	BW
LOGMILE	
CHECKED BY	IAI
HORIZONTAL SCALE	N.T.S.
F.A.P. NO.	
VERTICAL SCALE	N.T.S.
DRAWING NO.	SW - 03 OF 03
SHEET NO.	3 OF 3