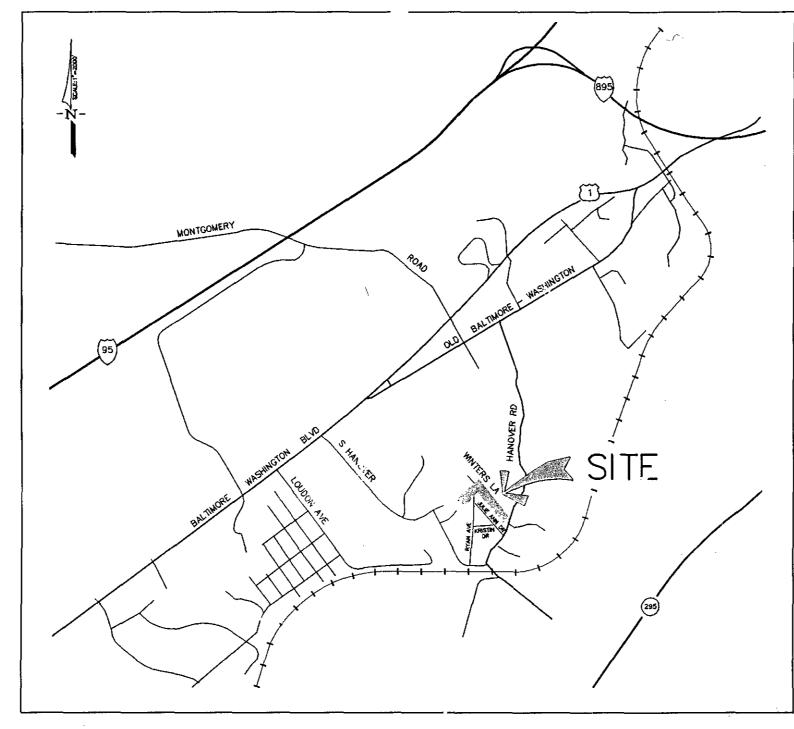
HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

CAPITAL PROJECT NO. J-4143 WINTERS LANE ROAD WIDENING FINAL SUBMISSION

- COVER SHEET
- ROADWAY PLAN
- ROADWAY PLAN
- **PROFILES**
- -ROADWAY PLAN-AND-PROFILE
- TYPICAL STREET CROSS SECTIONS
- WINTERS LANE-STREET CROSS SECTIONS (ROAD "A"- FROM STA. 1+00 TO STA. 4+50)
- WINTERS LANE-STREET CROSS SECTIONS (ROAD "A"- FROM STA. 5+00 TO STA. 8+50)
- WINTERS LANE-STREET CROSS SECTIONS (ROAD "A"- FROM STA. 9+00 TO STA. 11+00)
- WINTERS LANE-STREET CROSS SECTIONS (ROAD "B"- FROM STA. 0+00 TO STA. 3+00)
- 9A. WINTERS-LANE-STREET-CROSS-SECTIONS -(ROAD-"B"--FROM-STA. 3+50-TO-STA. 5+50)-
- GEOMETRIC LAYOUT PLAN
- TRAFFIC CONTROL PLAN
- TRAFFIC CONTROL DETAILS
- SEDIMENT AND EROSION CONTROL PLAN
- SEDIMENT AND EROSION CONTROL PLAN
- 44A.—SEDIMENT-AND-EROSION-CONTROL-PLAN-
- SEDIMENT AND EROSION CONTROL DETAILS



VICINITY MAP SCALE 1"=2000'

ROADWAY DATA

ROADWAY CLASSIFICATION DESIGN SPEED AVERAGE DAILY TRAFFIC

LOCAL 30 mph NOT AVAILABLE

- THE CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO OR ADJUSTMENTS TO ANY RESIDENTIAL DRIVEWAYS, APRONS, DOWN SPOUTS, ROOF DRAIN LEADERS, OR UNDERDRAINS WHILE RECONSTRUCTING PROPOSED CURB AND DRIVEWAY
- THE CONTRACTOR IS RESPONSIBLE FOR THE RELOCATION AND/OR REPLACEMENT OF ANY MAIL BOXES OR LETTER BOXES, FENCES, AND SIGNS REMOVED OR DAMAGED DURING THE COURSE
- THE CONTRACTOR SHALL REPLACE OR REPAIR ANY ROAD PAVEMENT DAMAGED DURING THE COURSE OF CONSTRUCTION AS DIRECTED BY THE HOWARD COUNTY INSPECTOR.
- 4. ALL RESIDENTIAL DRIVEWAYS, APRONS, AND PUBLIC ROADWAYS SHALL BE KEPT CLEAN AND FREE OF ALL CONSTRUCTION RELATED DEBRIS.
- AT NO TIME SHALL ANY RESIDENTIAL DRIVEWAYS BE BLOCKED BY CONSTRUCTION VEHICLES AND/OR MATERIALS.
- UNDER THE DIRECTION OF HOWARD COUNTY INSPECTORS, ONE TRAVEL LANE MAY BE CLOSED DURING NON-RUSH HOUR PERIODS. THIS TEMPORARY CLOSURE MUST NOT INHIBIT EMERGENCY VEHICLE
- AT NO TIME SHALL CONTRACTOR ENTER PRIVATE PROPERTY WITH CONSTRUCTION VEHICLES, EQUIPMENT, MATERIALS AND/OR WORK CREWS.
- BASE LINE OF CONSTRUCTION (B/L OF CONSTR.) REPRESENTS PROPOSED CROWN OF ROADWAY EXCEPT WHERE NOTED. THE ROADWAY STATIONING IS BASED ON CENTERLINE GEOMETRY AND DOES NOT RELATE TO ANY EXISTING
- CONTRACTOR SHALL ADJUST FINAL ELEVATIONS FOR MANHOLI AND WATERLINE APPURTENANCES TO FINISH GRADE AS NECESSARY.
- TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES NOT DESIGNATED TO BE REMOVED ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 11. CONTRACTOR TO ADJUST GRADES AS REQUIRED TO MEET FIELD CONDITIONS, TO ENSURE ADEQUATE DRAINAGE TO EXISTING AND PROPOSED STORM DRAIN STRUCTURES.
- 12. CONTRACTOR TO MATCH EXISTING GRADES AT LIMITS OF DISTURBANCE. CONTRACTOR TO MATCH EXISTING GRADES AT TIE-IN POINTS OF ALL PROPOSED DRIVEWAYS.
- 13. THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ON THE PLANS ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE STARTING CONSTRUCTION. NEITHER THE ENGINEER NOR THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS MARRANT OR GUARANTEE THE COMPLETENESS OR CORRECTME JO OF THE INFORMATION SHOWN.
- 14. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES. ANY DAMAGE DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. IF CLEARANCES OF UTILITY CROSSINGS ARE LESS THAN SPECIFIED ON THIS PLAN OR LESS THAN 12" WHEN NOT SPECIFIED, THE CONTRACTOR MUST CONTACT THE COUNTY'S INSPECTOR AND THE APPROPRIATE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION.
- TEST PITS SHALL BE DUG AT ALL UTILITY CROSSINGS TO DETERMINE EXISTING HORIZONTAL AND VERTICAL ALIGNMENT OF UTILITIES. TEST PITS SHALL BE DUG A SUFFICIENT AMOUNT OF TIME IN ADVANCE OF THE CONSTRUCTION OR TRENCHING OPERATION, IN ORDER TO ALLOW FOR FECESSARY ADJUSTMENTS.
- 16. LL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.

- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION AS DIRECTED BY THE COUNTY INSPECTOR. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR FURNISHING AND LAYING STORM DRAIN PIPE AND FOR HE ROADWAY GRADING
- PLACE REGULATION AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS, AND THE LATEST EDITION OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ALL SUBSEQUENT ADDENDUMS.
- EXISTING WATER HOUSE SERVICES THAT ARE IN CONFLICT WITH THE PROPOSED STORM DRAINAGE FACILITIES SHALL BE ADJUSTED BY THE
- FOR DETAILS NOT SHOWN WE THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, THE CONTRACTOR SHALL ABIDE BY THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV. "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION" AND THE SPECIAL PROVISIONS. IN THE EVENT OF ANY DISCREPANCY BETWEEN THESE TWO SOURCES, THE LATTER SHALL GOVERN.
- ALL SLOPES AND/OR DISTURBED AREAS SHALL RECEIVE 2-INCH DEPTH OF TOPSOIL BEFORE SEEDING AND MULCHING OR SODDING.
- THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN VICINITY OF UTILITIES. COST SHALL BE INCLUDED IN THE UNIT PRICES BID FOR STORM DRAIN ITEMS.

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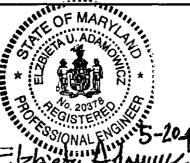
- STANDARD DETAILS MA STANDARD DETAILS ADMINISTRATION STANDARD :
- 24. THE CONTRACTOR SHALL NOTIFY THE FOREST AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN FRIREON MISS UTILITY 1-800-257-7777 BALTIMORE GAS & ELFCTRIC CO., UNDERGROUND ELECTRICAL DISTRIBUTION ENGINEERING DAMAGE CONTROL 234-6313 BALTIMORE GAS & ELECTRIC CO., UNDERGROUND GAS DISTRIBUTION ENGINEERING 234-5533 CHESAPEAKE AND POTOMAC TELEPHONE CO., 725-9976 COLONIAL PIPELINE COMPANY 781-4641 HOWARD COUNTY BUREAU OF UTILITIES 313-4900 HOWARD COUNTY TRAFFIC DIVISION 313-2430 HOWARD COUNTY SURVEYING AND DRAFTING DIVISION 313-2417 HOWARD COUNTY DIVISION OF CONSTRUCTION INSPECTION 313-1870
- THE CONTRACTOR SHALL REPLACE ALL STEPS AND LEAD ...ALI'S IN KIMI DISTURBED IN CONSTRUCTION. THE CONTRACTOR SHALL MAKE ADJUSTMENTS AS REQUIRED BY THE HOWARD
- 26. THE CONTRACTOR IS TO ADJUST ALL APPURTENANCES LC IN THE PAVEMENT TO MATCH FINAL PAVEMENT ELEVATION.
- COORDINATES ARE BASED ON THE HOWARD COUNTY G.P.S. GEODETIC CONTROL (NAD 83) DATUM.
- 28. ALL VERTICAL CONTROLS ARE BASED ON NAVD 88 DATUM. BENCHMARK INFORMATION IS GIVEN IN THE GEOMETRIC LAYOUT PLAN
- 29. ALL HORIZONTAL AND VERTICAL POSITIONS ESTABLISHED FROM HOWARD COUNTY CONTROL MONUMENTS 38A9 AND 38B6.

DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF HIGH NEYS 35-

"ARD COUNTY, MARYLAND 7/14/06 Steve Shanar MACHISPORTATION PROJECTS AND

ENGINEERING



DES: JCM

DRN: JCM CHK:MFM BY NO.

DATE! 600' SCALE MAP NO. . REVISION

BLOCK NO.

WINTERS LANE ROAD WIDENING CAPITAL PROJECT J-4143

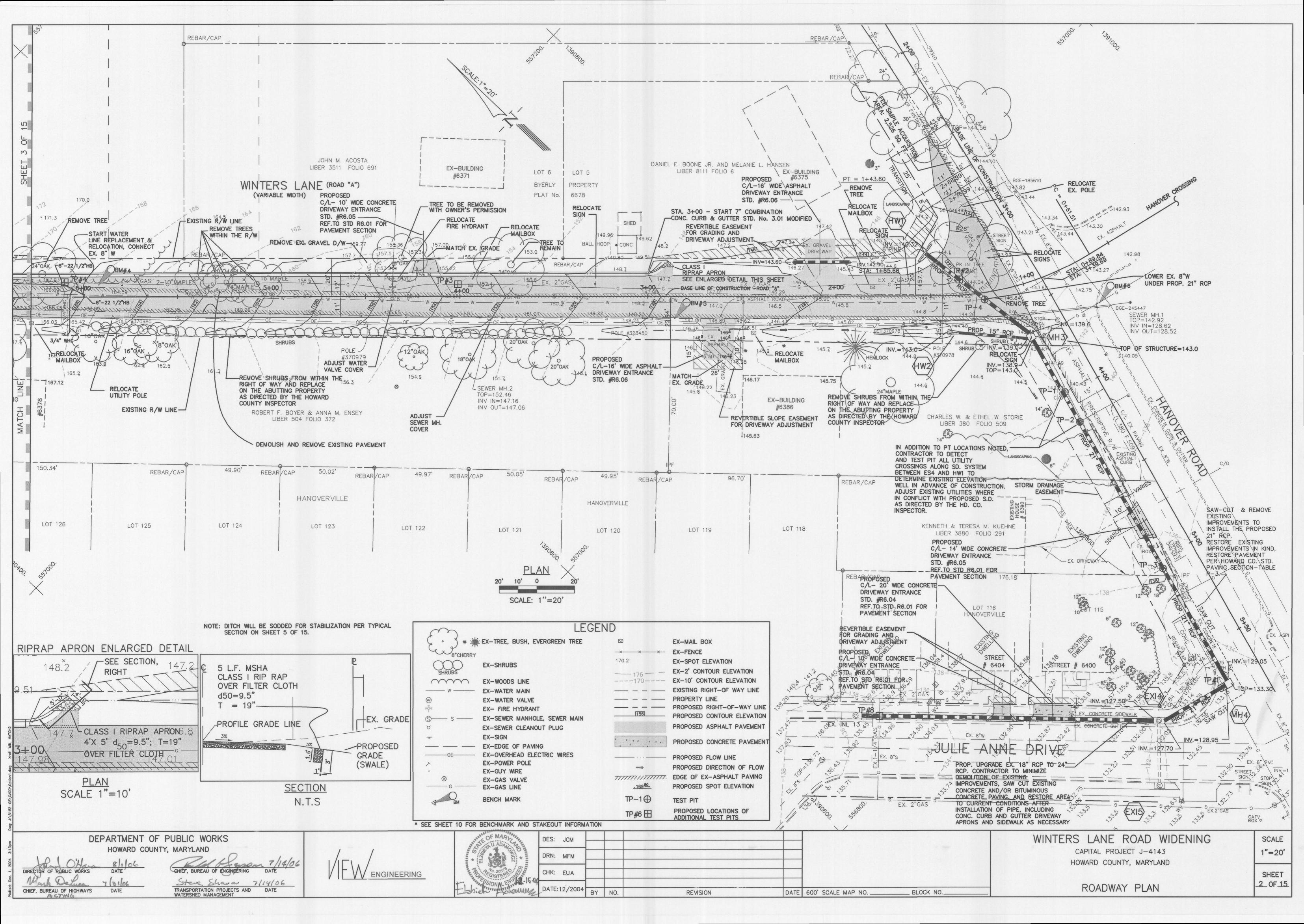
HOWARD COUNTY, MARYLAND

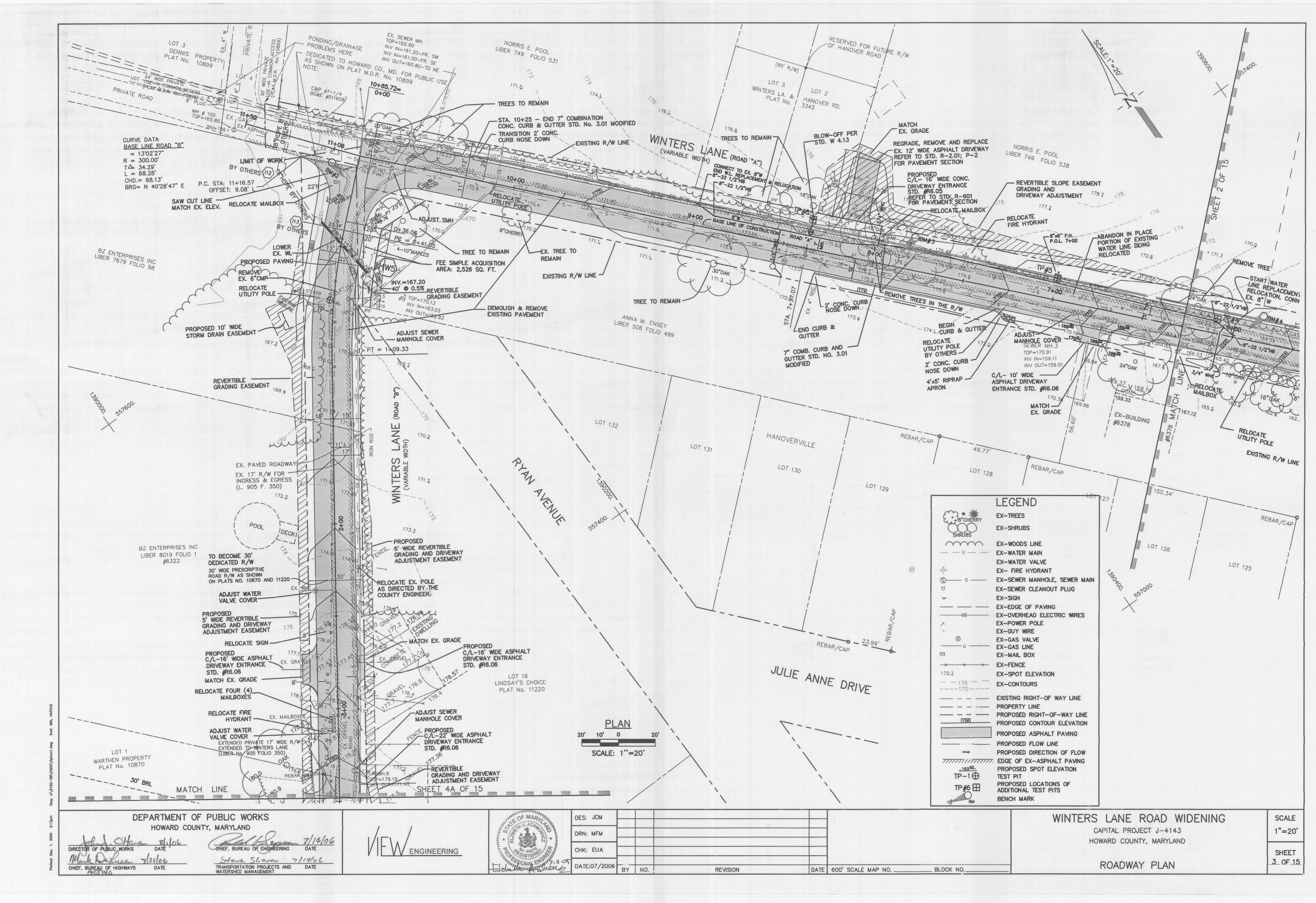
COVER SHEET

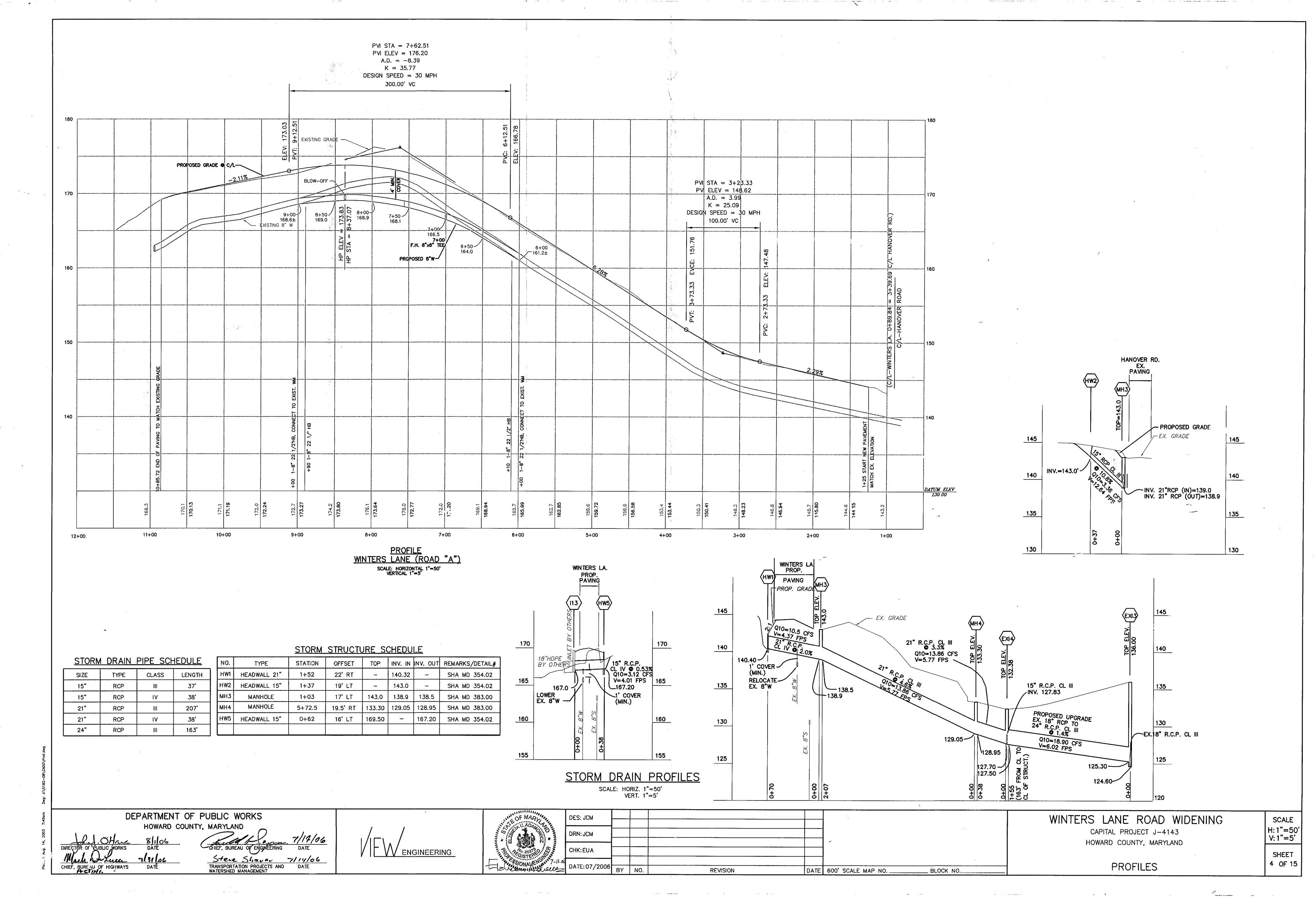
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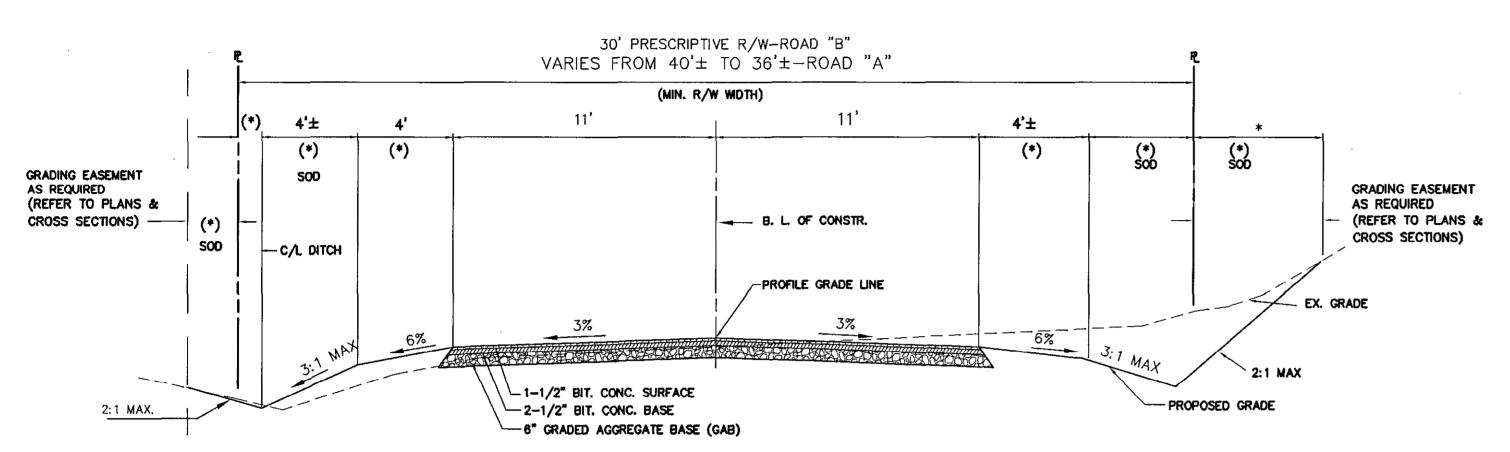
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SHEET _1_OF. 15





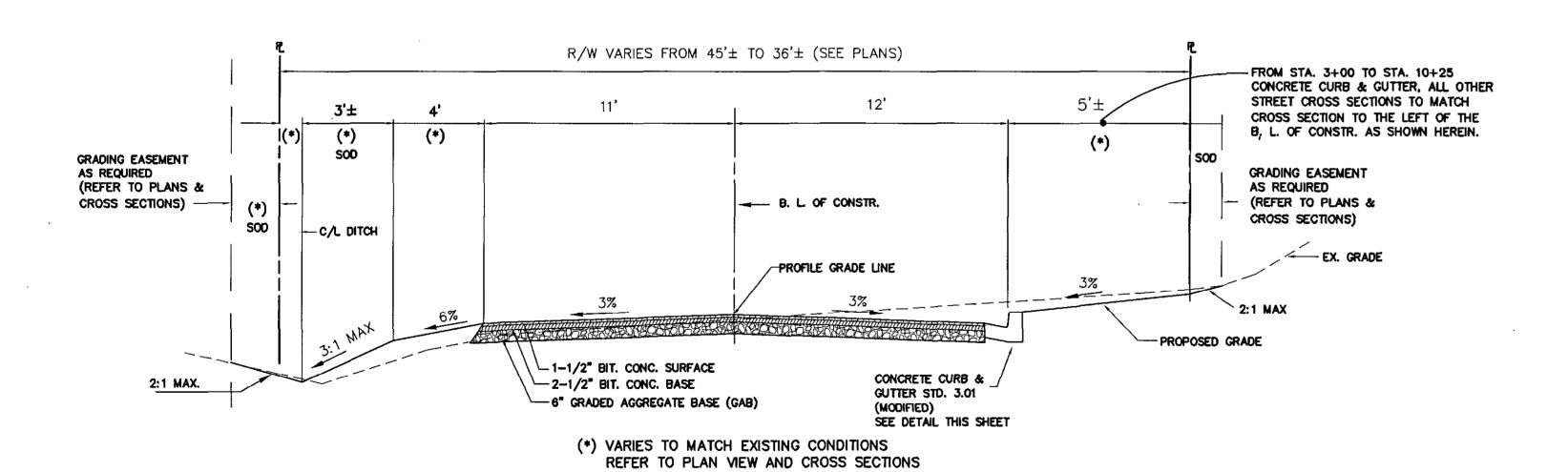




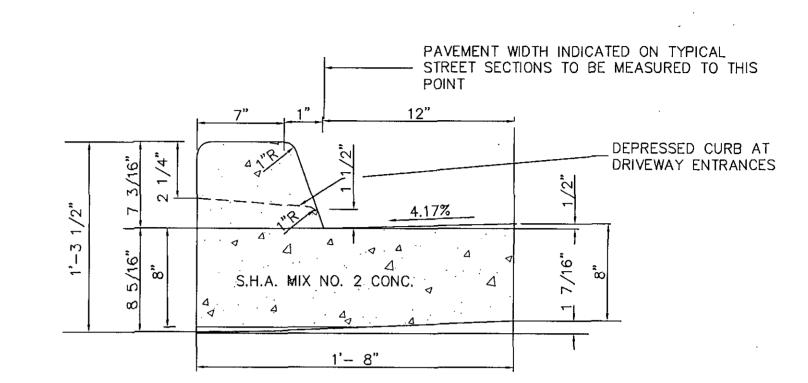
(*) VARIES TO MATCH EXISTING CONDITIONS REFER TO PLAN VIEW AND CROSS SECTIONS

TYPICAL OPEN STREET SECTION ROADS "A" AND "B"

(N.T.S.)

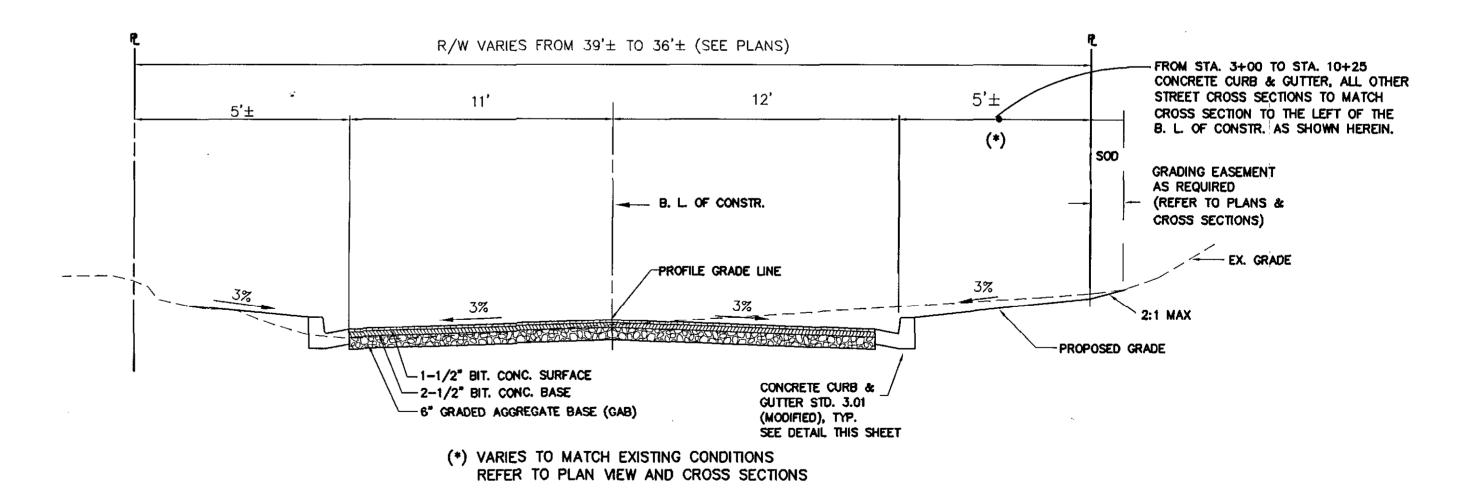


TYPICAL STREET SECTION STA. 3+00 TO STA. 10+25 EXCEPT STA. 7+30 TO STA. 8+30 (N.T.S.)



*GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE RATE AND IN THE SAME DIRECTION AS THE PAVEMENT. MATCH PAVEMENT CROSS SLOPE WHEN CURB IS LOCATED ON THE LOW SIDE OF SUPERELEVATED SECTION AND THE RATE OF SUPERELEVATION IS GREATER THAN 3% FOR MODIFIED CURB AND GUTTER.

STANDARD 7" COMBINATION CURB AND GUTTER STD. 3-01 (MODIFIED) (N.T.S.)



TYPICAL STREET SECTION ROAD 'A' BETWEEN STA.7+30 AND STA. 8+30 (N.T.S.)

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

Steve Sharan 7/11/06
TRANSPORTATION PROJECTS AND DATE WATERSHED MANAGEMENT

ENGINEERING



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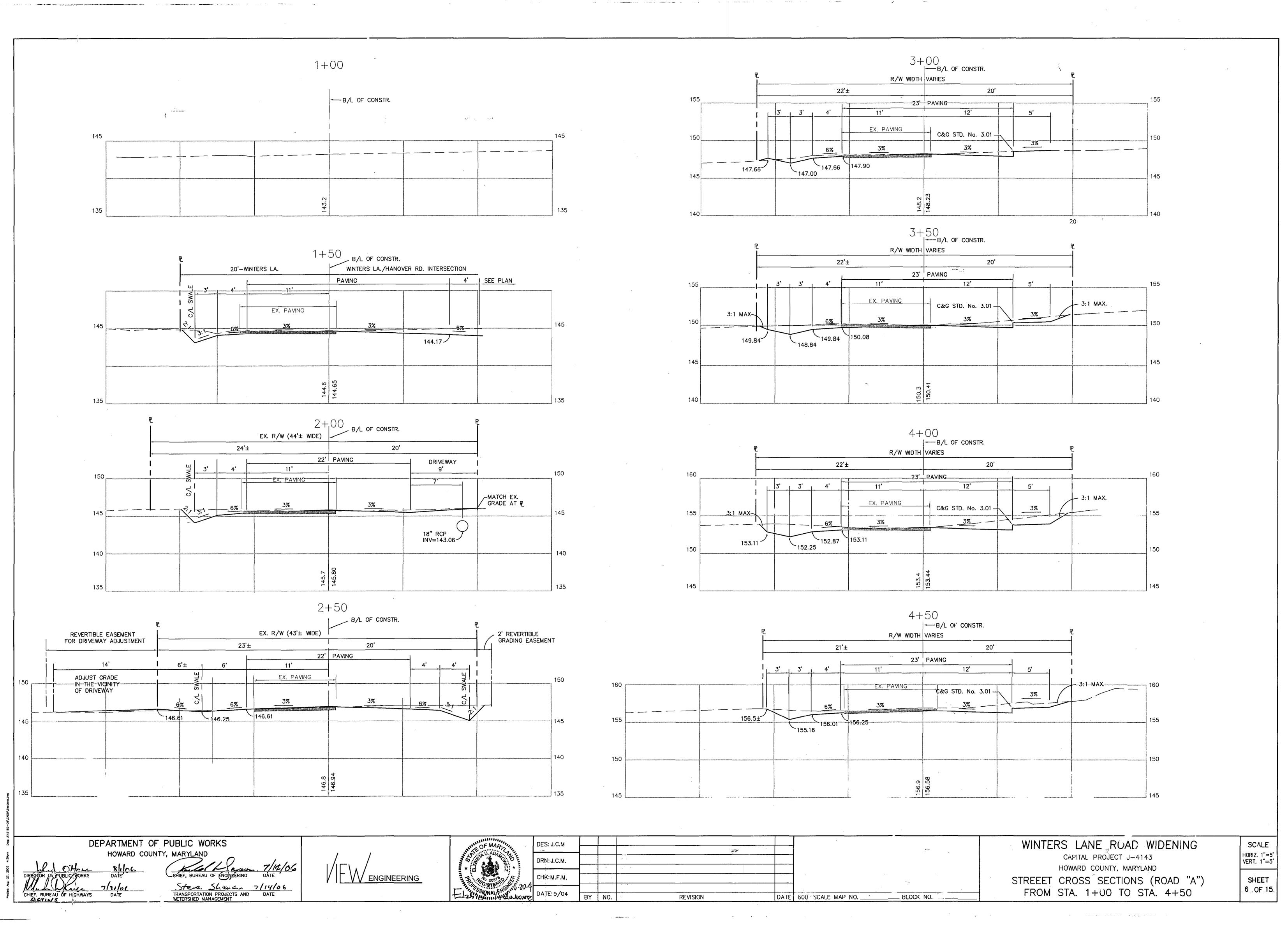
WINTERS LANE ROAD WIDENING

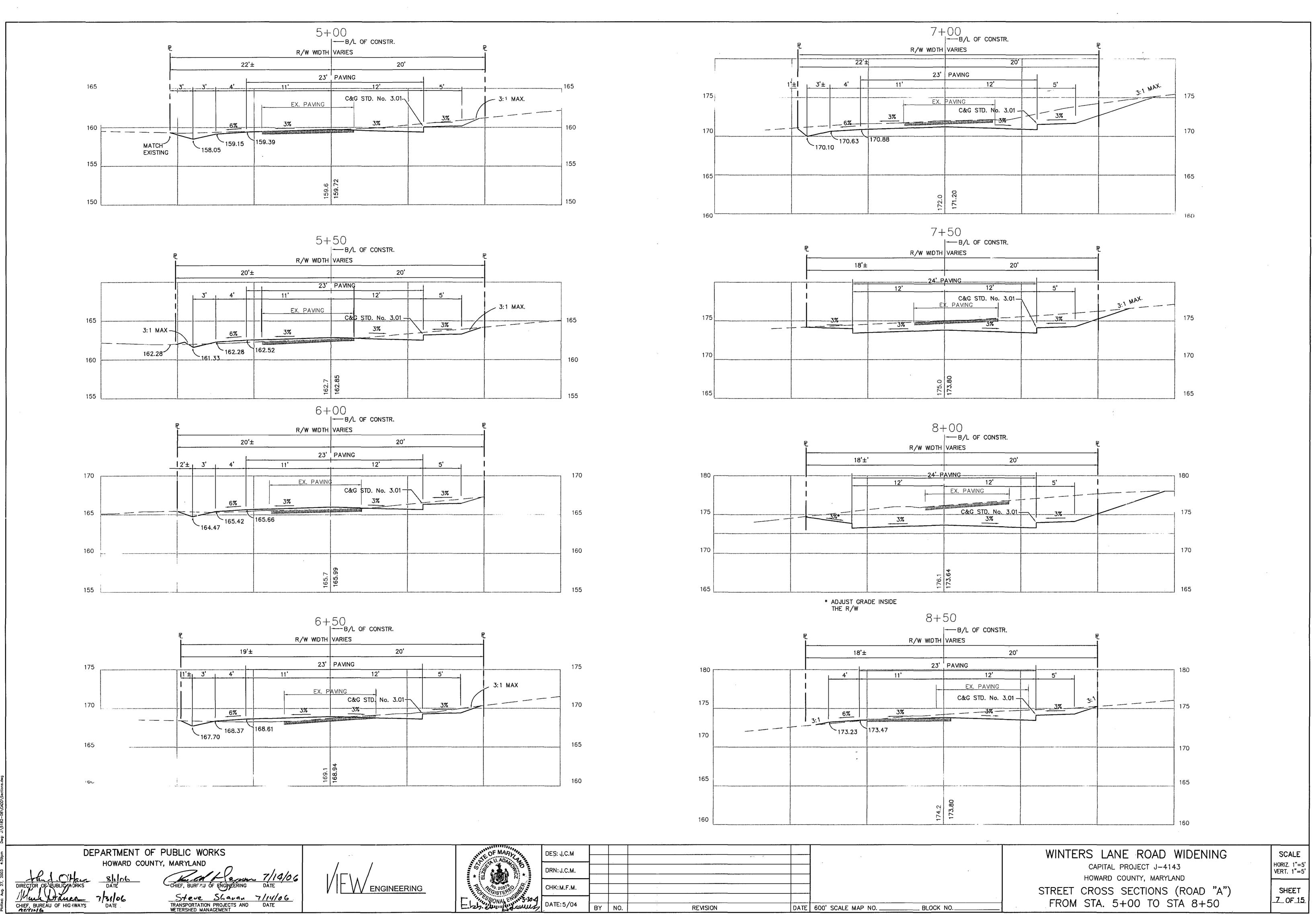
CAPITAL PROJECT J-4143 HOWARD COUNTY, MARYLAND

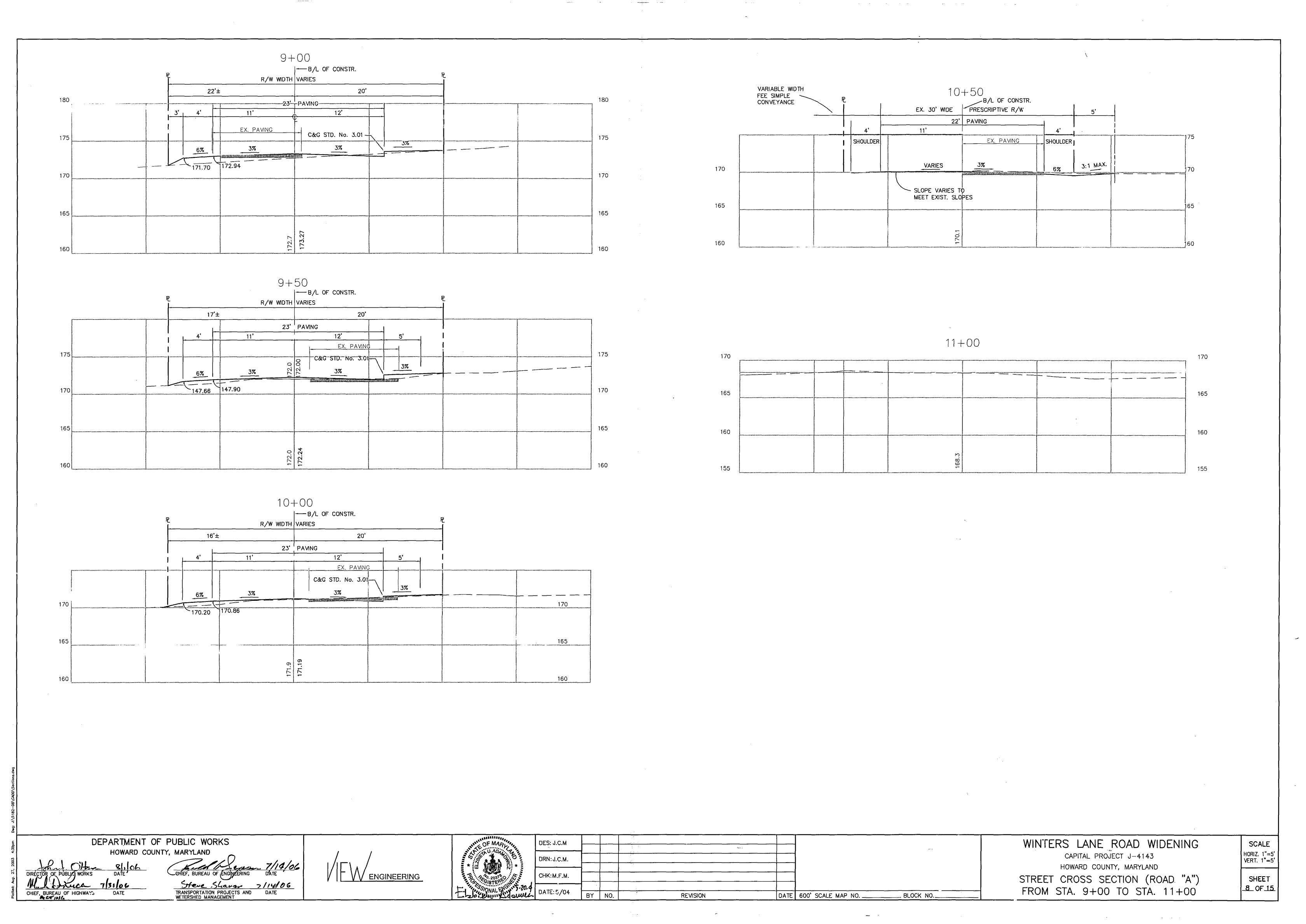
TYPICAL STREET CROSS SECTIONS

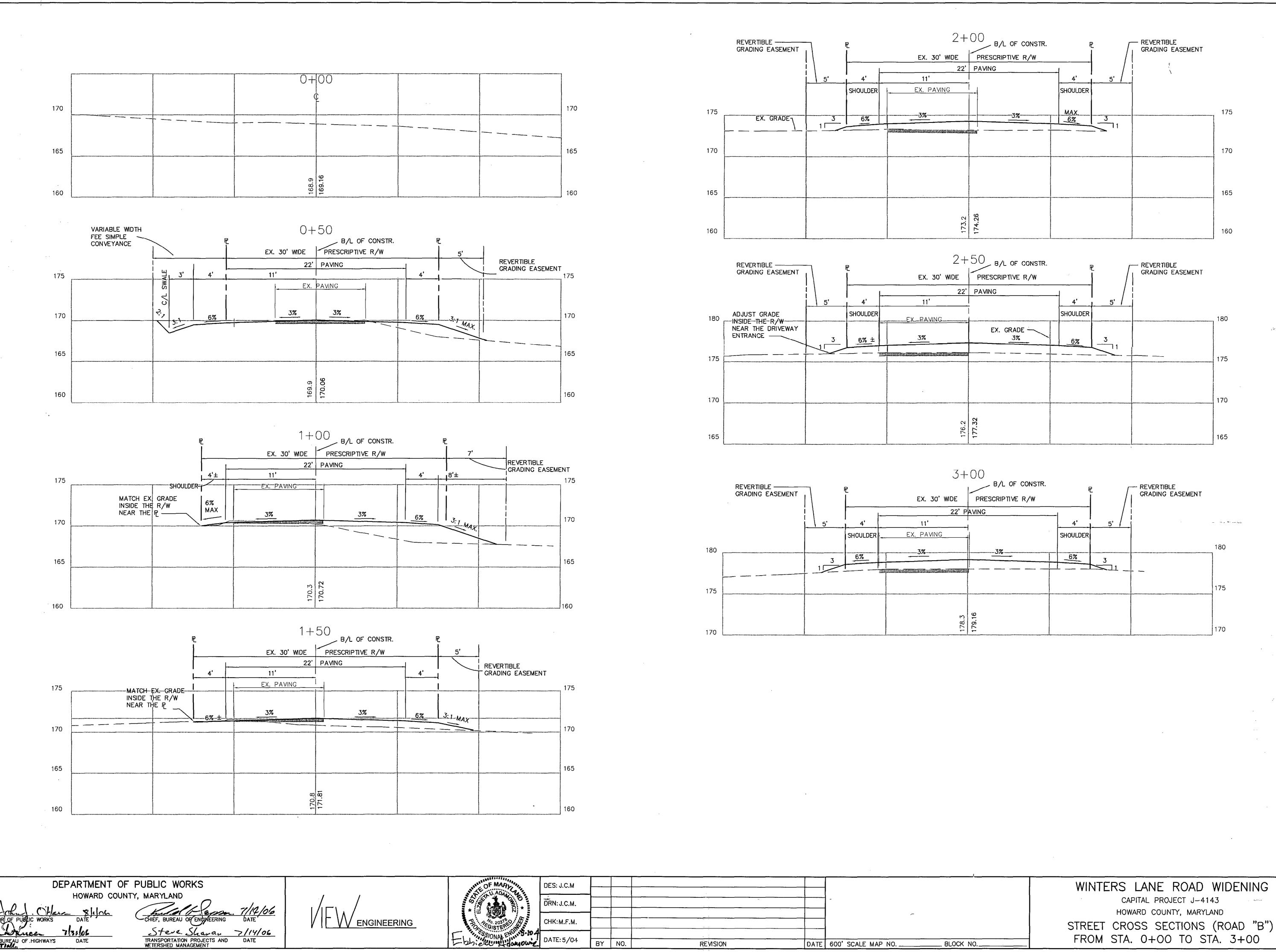
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SHEET <u>5</u> OF 15









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175

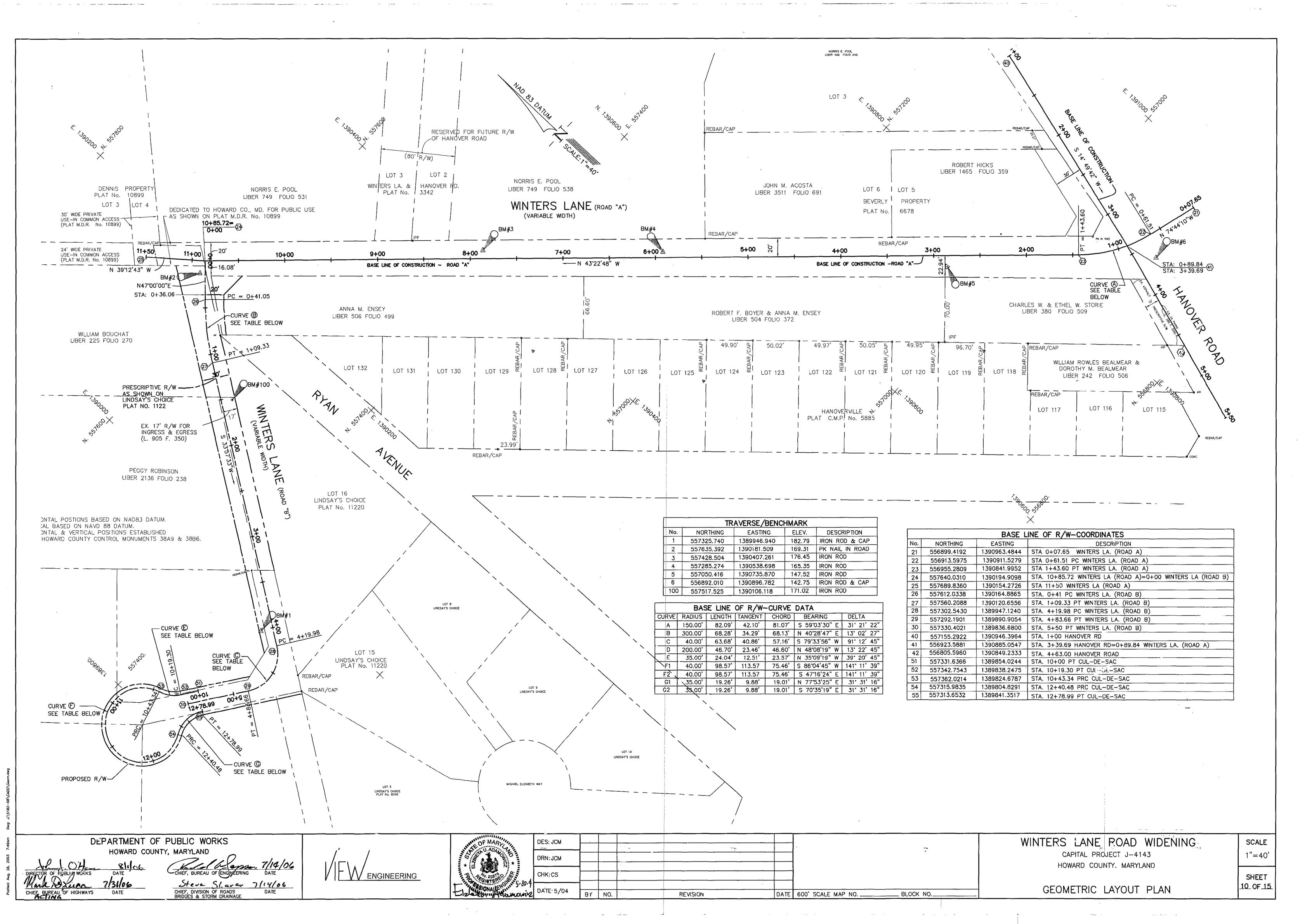
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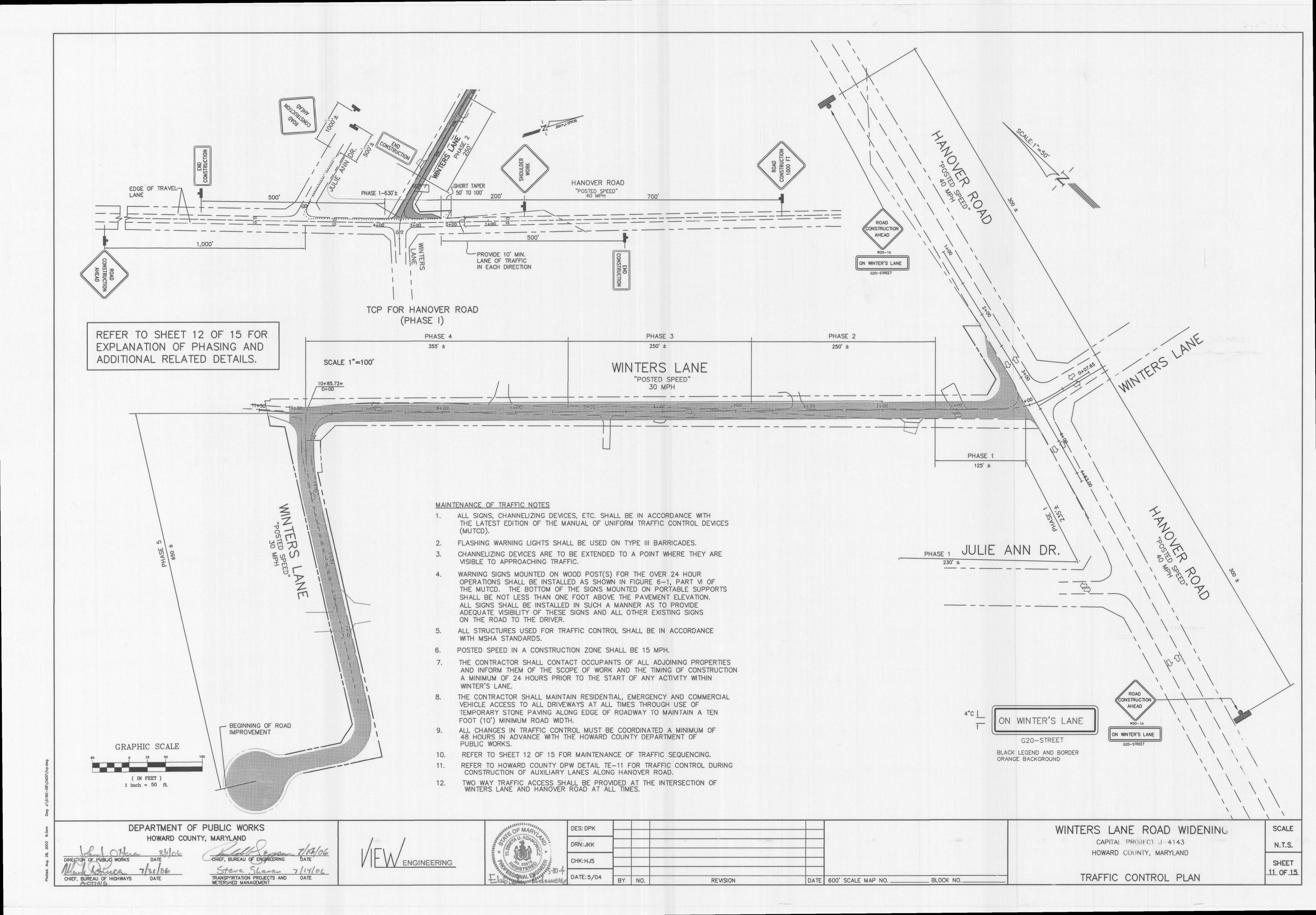
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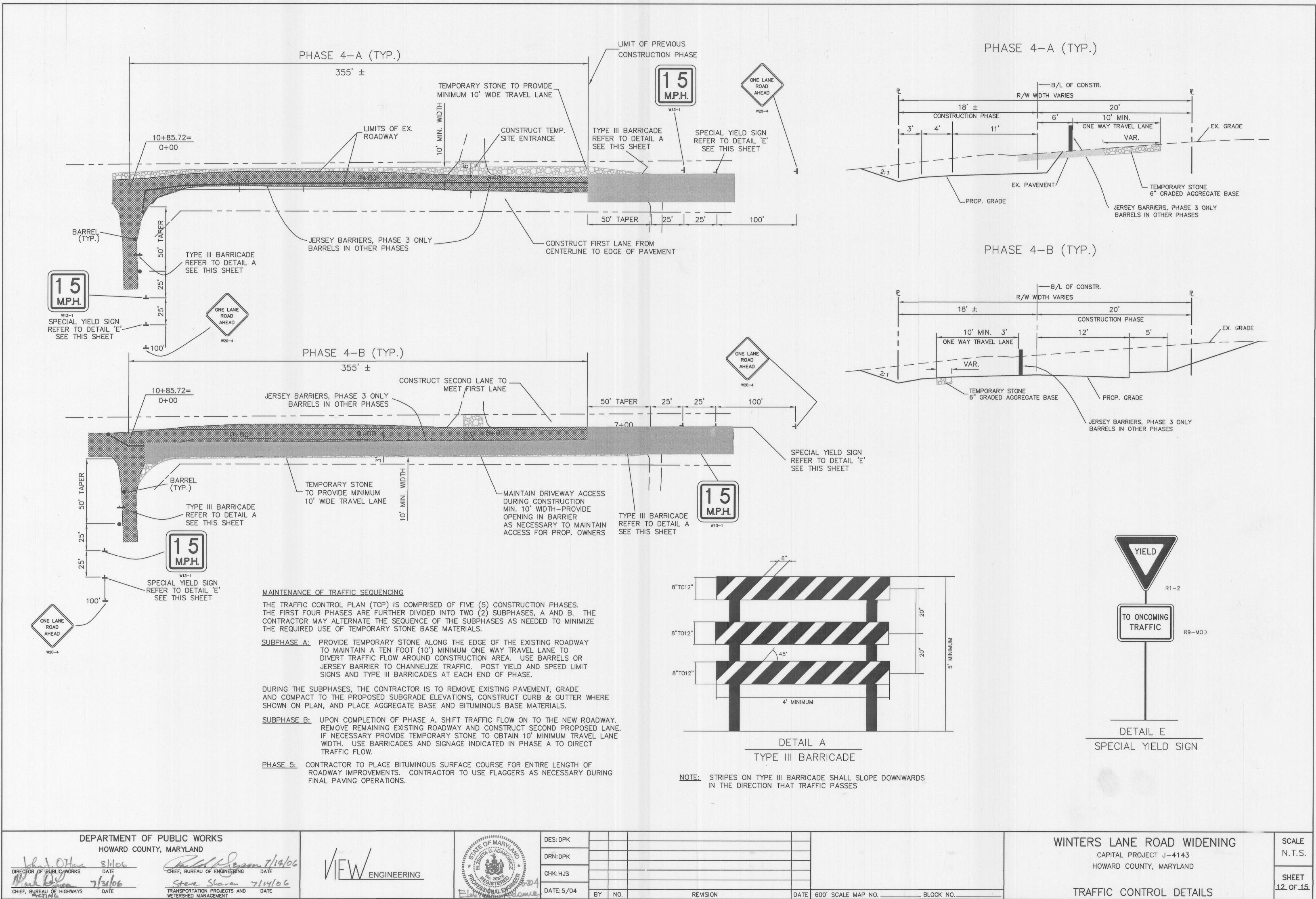
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SHEET 9 OF 15

FROM STA. 0+00 TO STA. 3+00

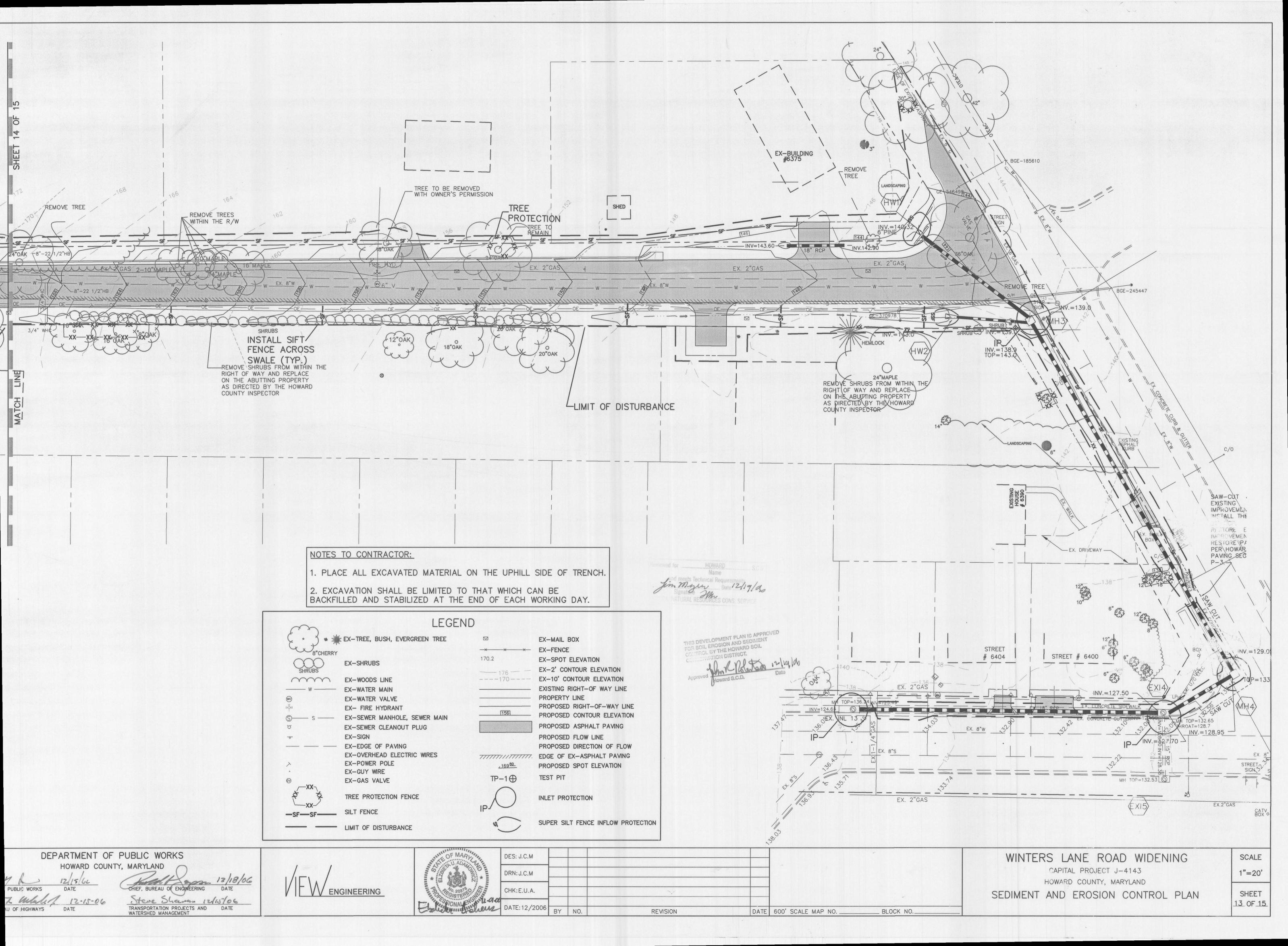


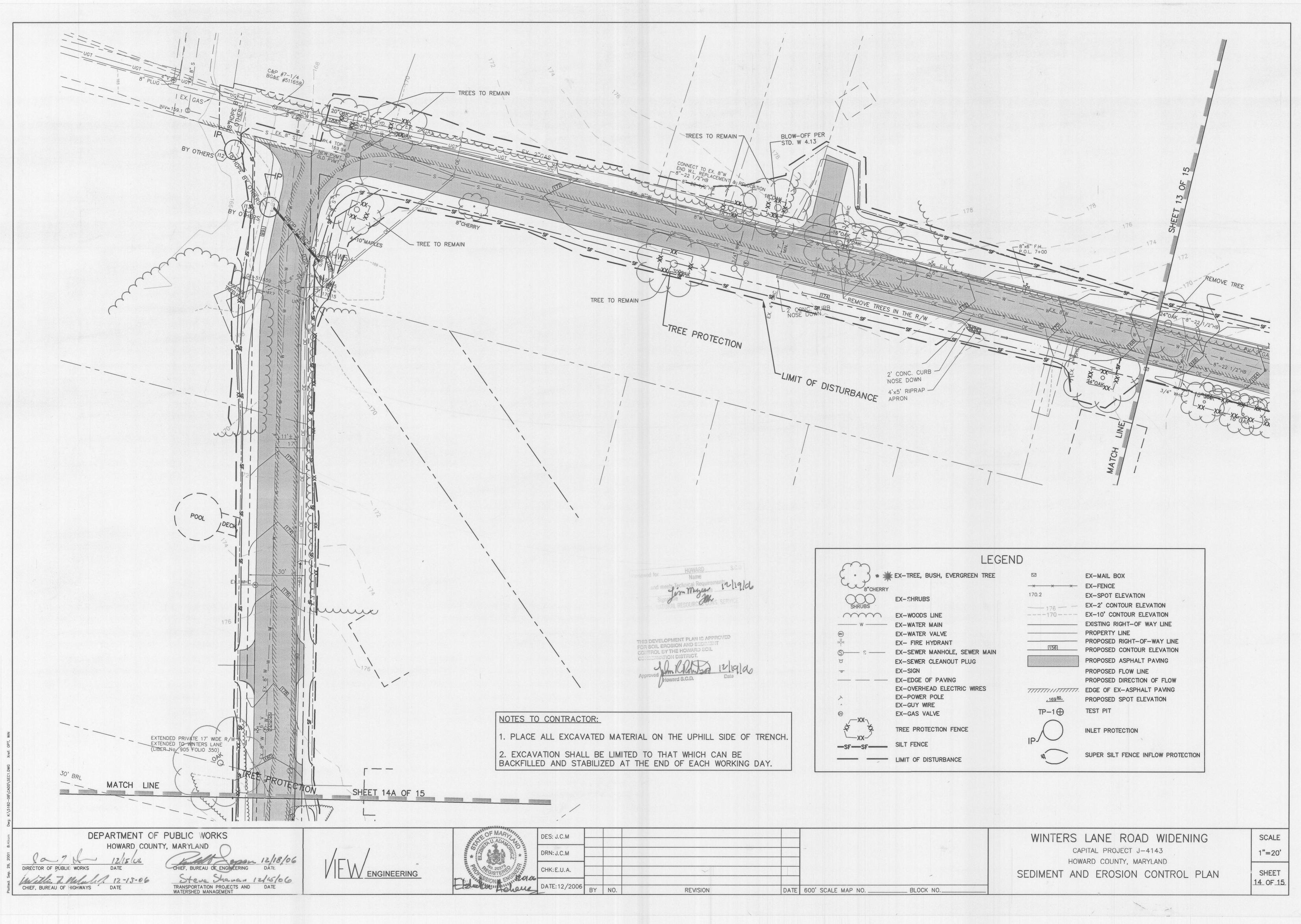


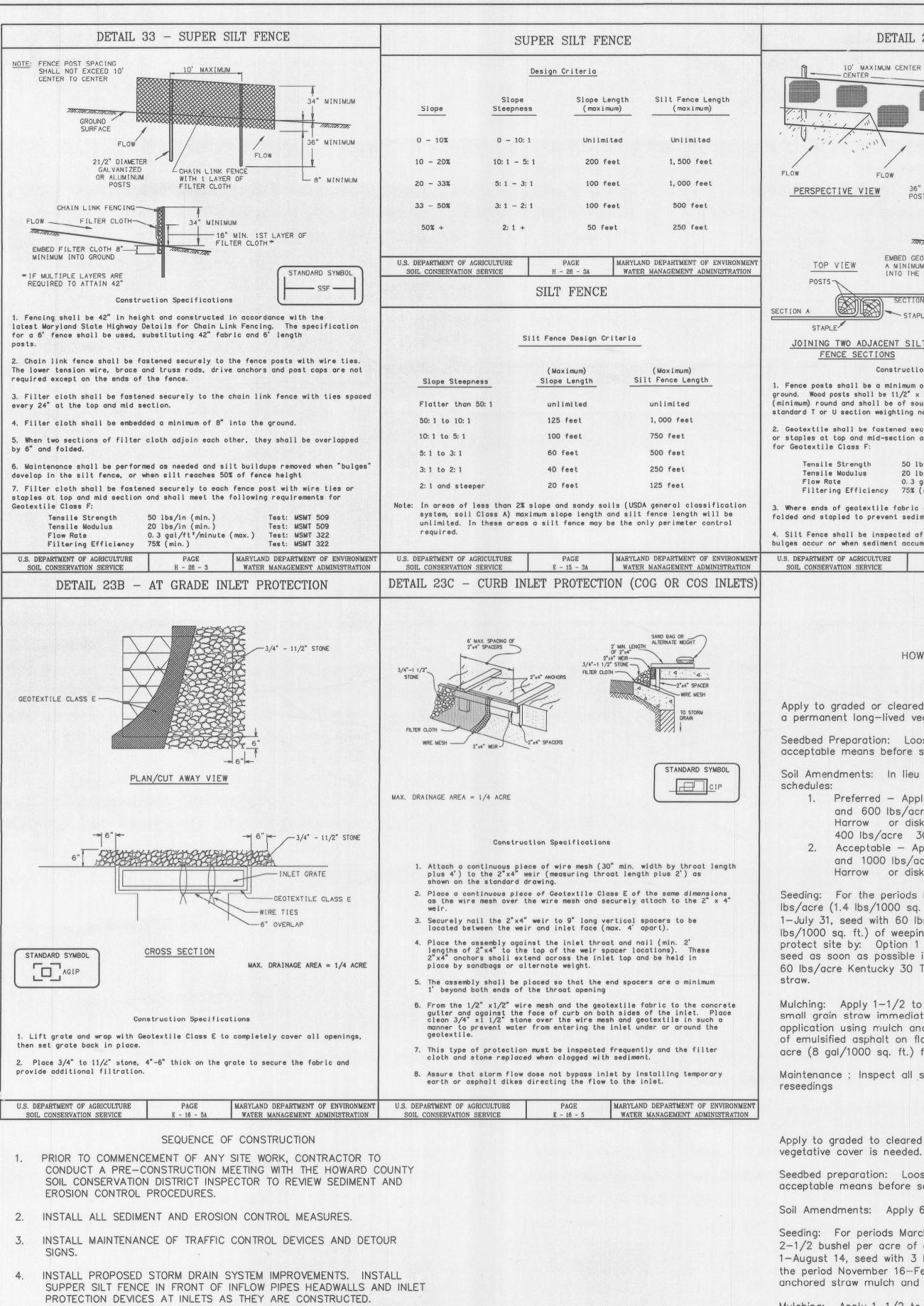


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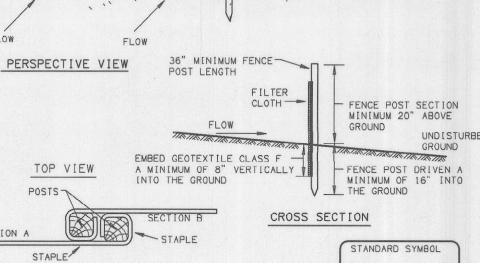




- INSTALL RIPRAP OUTLET PROTECTION AT OUTLETS AS PER PLANS.
- 5. INSTALL TEMPORARY STONE, PAVEMENT BASE, ASPHALT PAVEMENT, AND CURBS AND GUTTER AS DESCRIBED IN MAINTENANCE OF TRAFFIC SEQUENCING ON SHEET 12 OF 15.
- 6. INSTALL PAVEMENT MARKINGS.
- AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ALL REMAINING DISTURBED AREAS.

36" MINIMUM LENGTH FENCE POST RIVEN A MINIMUM OF 16" INTO - 16" MINIMUM HEIGHT OF GEOTEXTILE CLASS F 8" MINIMUM DEPTH IN

SF -



DETAIL 22 - SILT FENCE

Construction Specifications . Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 11/2" x 11/2" square (minimum) cut, or 13/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot. 2. Geotextile shall be fastened securely to each fence post with wire ties

FENCE SECTIONS

or staples at top and mid-section and shall meet the following requirements for Geotextile Class F: Tensile Strength 50 lbs/in (min.) Test: MSMT 509 Tensile Modulus 20 lbs/in (min.) Test: MSMT 509 Flow Rate 0.3 gal ft²/ minute (max.) Test: MSMT 322

Filtering Efficiency 75% (min.) Test: MSMT 322 . Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height. U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

CHARGE TO SEMI CONFINE CTION (MAXIMUM TAILWATE PLAN VIEW MINIMUM DEPTH = DISCHARGE OR TAILWATER DEPTH. WHICHEVER IS GREATER DEPTH DICTATED BY CHANNEL SECTION AT 包 1 3' MINIMUM MINIMUM ELEVATION NOTE: FILTER CLOTH MUST EXTEND A MENIMUM OF 6" BEYOND APRON AND SIDES CHANNEL CROSS SECTION WILL VARY FROM A-A TO B-B N = d + 0.4 La

-FILTER CLOTH LINING

SECTION B-B

U.S. DEPARTMENT OF AGRICULTURE

DETAIL 25 - ROCK OUTLET PROTECTION

ROCK OUTLET PROTECTION

Construction Specifications

1. The subgrade for the filter, rip-rap, or gabion shall be prepared to the required lines and grades. Any fill required in the subgrade shall be compacted to a density of approximately that of the surrounding undisturbed material.

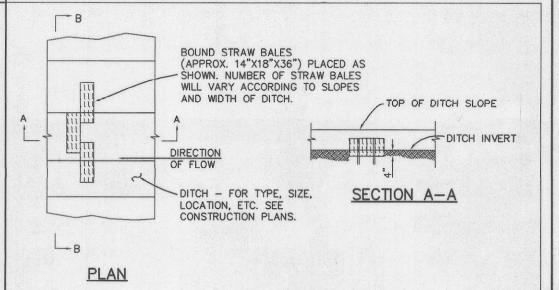
2. The rock or gravel shall conform to the specified grading limits when installed respectively in the rip-rap or filter.

3. Geotextile shall be protected from punching, cutting, or tearing. Any damage other than an occasional small hole shall be repaired by placing another piece of geotextile over the damaged part or by completely replacing the geotextile. All overlaps whether for repairs or for joining two pieces of geotextile shall be a minimum of one foot.

4. Stone for the rip-rap or gabion outlets may be placed by equipment. They shall be constructed to the full course thickness in one operation and in such a manner as to avoid displacement of underlying materials. The stone for rip-rap or gabion outlets shall be delivered and placed in a manner that will ensure that it is reasonably homogeneous with the smaller stones and spalls filling the voids between the larger stones. Rip-rap shall be placed in a manner to prevent damage to the filter blanket or geotextile. Hand placement will be required to the extent necessary to prevent damage to the permanent works.

5. The stone shall be placed so that it blends in with the existing ground. If the stone is placed too high then the flow will be forced out of the channel and scour adjacent to

MARYLAND DEPARTMENT OF ENVIRONMEN



PREVIOUSLY LAID BALE.

APPROX. THIRDS ALONG G NO. 4 REINFORCING BARS, STEEL FACH BALE PICKETS OR ROUGH OR FINISHED 2"X2" WOOD STAKES, 3'-0" LENGTH DRIVEN 1'-0" TO 1'-6" INTO GROUND ANGLE FIRST SECURING DEVICE TOWARD

SECTION B-B

FOR LOCATIONS OF STRAW BALES REFER TO CONSTRUCTION PLANS.

INTENDED FOR USE IN EXISTING, PROPOSED AND TEMPORARY DITCHES OF ALL TYPES WHERE THE CONSTRUCTION OF A SEDIMENT TRAP CREATE A TRAFFIC HAZARD OR WHERE DIRECTED

INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED "STRAW BALES" SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. FOR USE IN EMERGENCY SITUATIONS ONLY, FOR A TIME PERIOD NOT TO EXCEED 2 WEEKS.

STRAW BALE DITCH CHECK (S.B.D.C.)

HOWARD SOIL CONSERVATION DISTRICT

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, disking or other acceptable means before seeding, if not previously loosened.

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

- 1. Preferred Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs/acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.)
- 2. Acceptable Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs/acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) 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 60 5. lbs/acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1-July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs/acre (.05 lbs/1000 sq. ft.) of weeping lovegrass. During the period of October 16-February 28, protect site by: Option 1 — Two tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option 2 — Use sod. Option 3 — Seed with 60 lbs/acre Kentucky 30 Tall Fescue and mulch with 2 tons/acre well anchored

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slope 89 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.

Maintenance; Inspect all seeding areas and make needed repairs, replacements and reseedings

TEMPORARY SEEDING NOTES

Apply to graded to cleared areas likely to be re-disturbed where a short-term 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: Apply 60 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.)

Seeding: For periods March 1-April 30 and from August 15-October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq. ft.). For the period May 1-August 14, seed with 3 lbs/acre of weeping lovegrass (.07 lbs/1000 sq. ft.). For the period November 16—February 28, protect site by applying 2 tons/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/acre (70 to 90 lbs/1000 sq. ft.) of unrotted weed, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slope 8 ft. or higher, use 348 gal. per acre (8 gal/1000 sq. ft.) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

HOWARD SOIL CONSERVATION DISTRICT

STANDARD SEDIMENT CONTROL NOTES

U.S. DEPARTMENT OF AGRICULTURE

A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (313-1855).

EMBED FILTER

MINIMUM OF 4"

SECTION A-A

NOTE: FILTER CLOTH SHALL BE

GEOTEXTILE CLASS C

MARYLAND DEPARTMENT OF ENVIRONMENT

- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for revisions thereto.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes steeper than 3:1; b) 14 days as to all other disturbed or graded areas on the
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol 1, Chapter 7 of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch along shall only be done with recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.

Site Analysis: Total Area of Site Area Disturbed Acres Area to be roofed or paved Acres Area to be vegetatively stabilized _ Acres Total Cut _ Cu. Yds Total Fill __ Cu. Yds Offsite waste borrow area location:

Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

Additional sediment control must be provided, if deemed necessary, by the Howard County Sediment Control Inspector.

BLOCK NO ..

- 10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- 11. Trenches for the construction of utilities is limited to three pipe lengths or that which shall be backfilled and stabilized within one working day, whichever is shorter.

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 the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil

Conservation District". Signature of Developer Print name below signature

12/18/06

ENGINEER'S 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". ELZBIETA ADAMOWICZ

12-01-06 Signature of Engineer Print name below signature

Reviewed for HOWARD SCD and meets Technical Requirements

em Wyers USDA—Natural Resources Conservation Service

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION

Howard SCD

4/19/06

DEPARTMENT OF PUBLIC WORKS

DIRECTOR OF PUBLIC WORKS CHIEF, BUREAU OF HIGHWAYS DATE

HOWARD COUNTY, MARYLAND JULE 12/18/06 CHIEF, BUREAU OF ENGINEERING Steve Shavan 12/15/06 TRANSPORTATION PROJECTS AND DATE WETERSHED MANAGEMENT

ENGINEERING



ON STATE OF	DES: J.C.M.	
*	DRN: M.F.M.	
Hy	CHK: E.U.A.	
louz	DATE: 12/2006	BY

	DES: J.C.M.					
or or	DRN: M.F.M.					
	CHK: E.U.A.					
	DATE: 12/2006	BY	NO.	REVISION	DATE	600' SCALE MAP NO

WINTERS LANE ROAD WIDENING CAPITAL PROJECT J-4143

HOWARD COUNTY, MARYLAND

EROSION SEDIMENT CONTROL DETAILS

SCALE 1"=20'

SHEET 15 OF 15