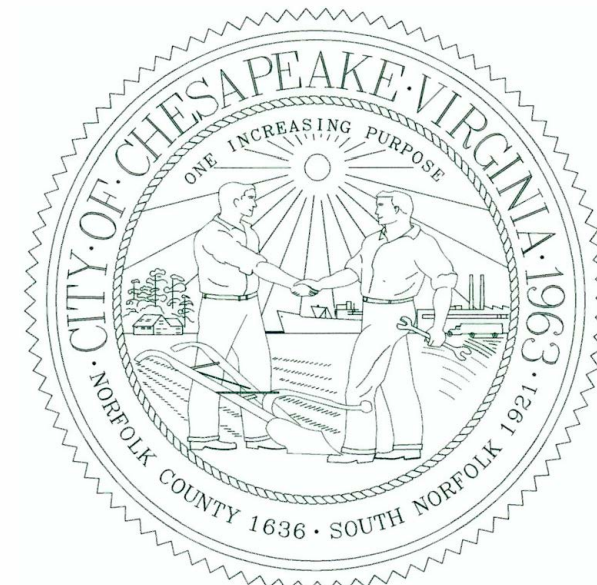
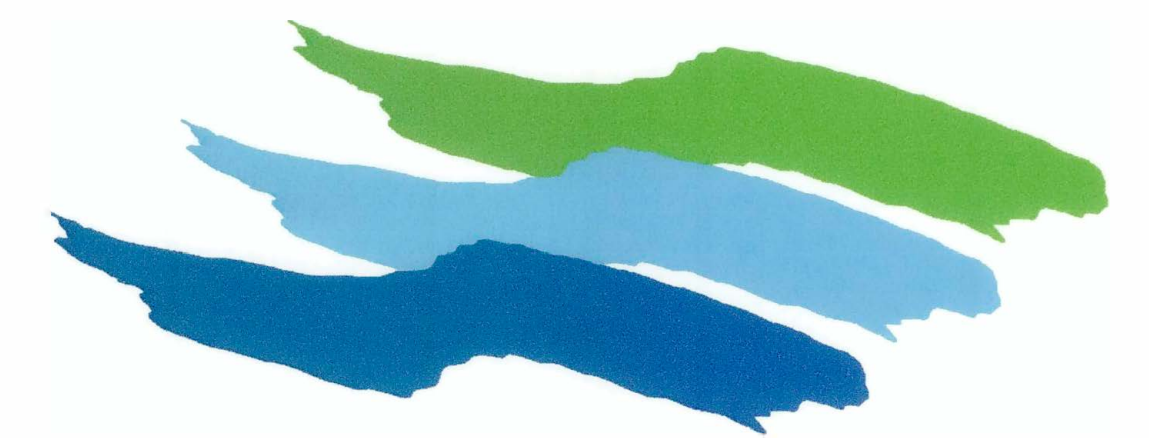


CITY OF CHESAPEAKE DEPARTMENT OF PUBLIC WORKS



HRT LIBERTY STREET BUS TRANSFER STATION AC # 16-6001-00



HAMPTON ROADS
TRANSIT

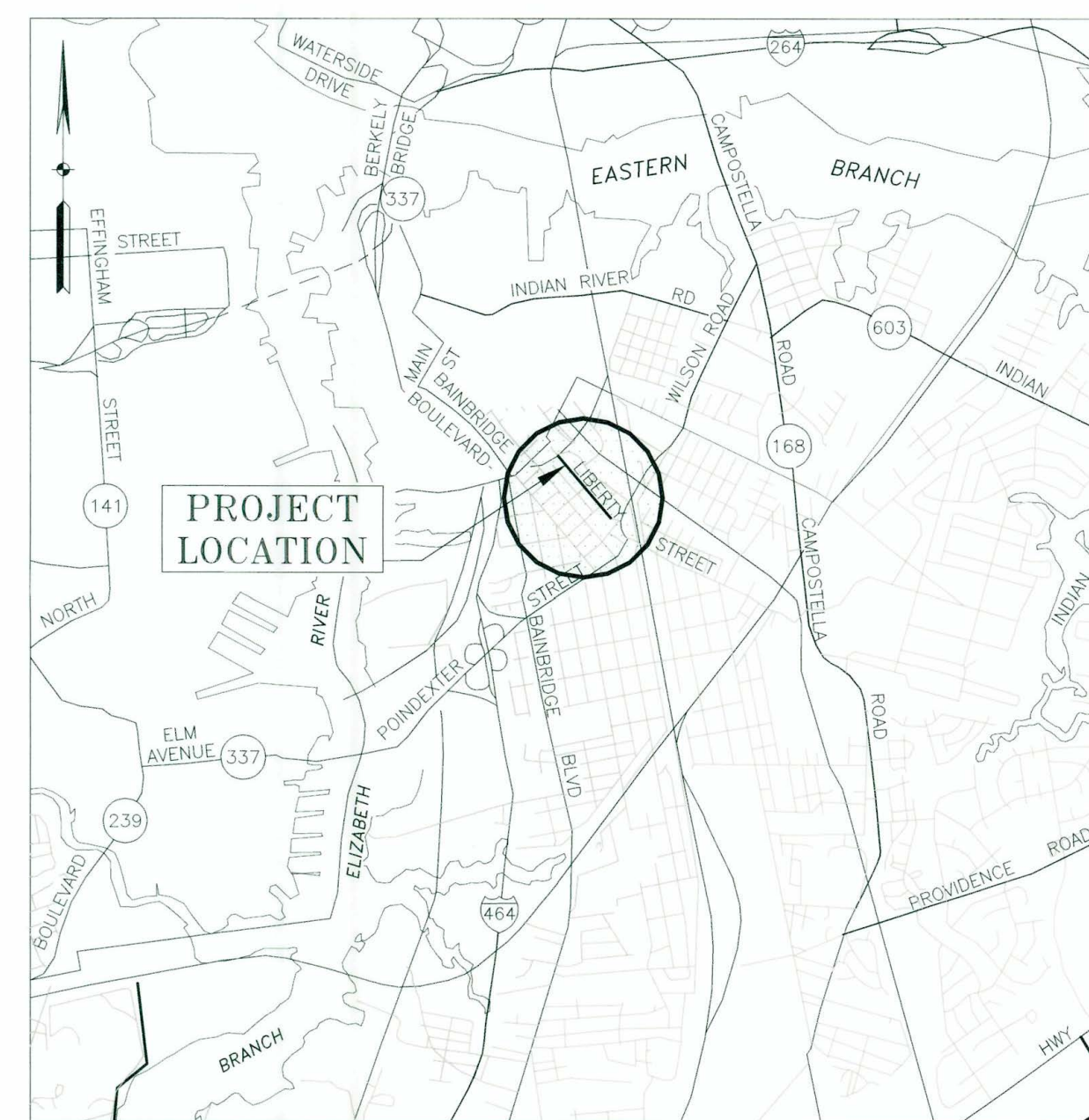
HRT LIBERTY STREET
BUS TRANSFER STATION
AC # 16-6001-00

PRIOR TO CONSTRUCTION CALL MISS UTILITIES
(TOLL FREE) AT 1-800-552-7001 OR 811 FOR
LOCATION OF UNDERGROUND UTILITIES.

THIS PROJECT TO BE CONSTRUCTED IN ACCORDANCE
WITH HAMPTON ROADS PLANNING DISTRICT COMMISSION
(HRPDC) REGIONAL CONSTRUCTION STANDARDS (DATED
JUNE 2016), THE CITY OF CHESAPEAKE PUBLIC
FACILITIES MANUAL, VOLUME III, TECHNICAL
SPECIFICATIONS (DATED JULY 2010 AND UPDATES), AND
THE VIRGINIA DEPARTMENT OF TRANSPORTATION
ROAD AND BRIDGE SPECIFICATIONS (DATED JUNE 2016).

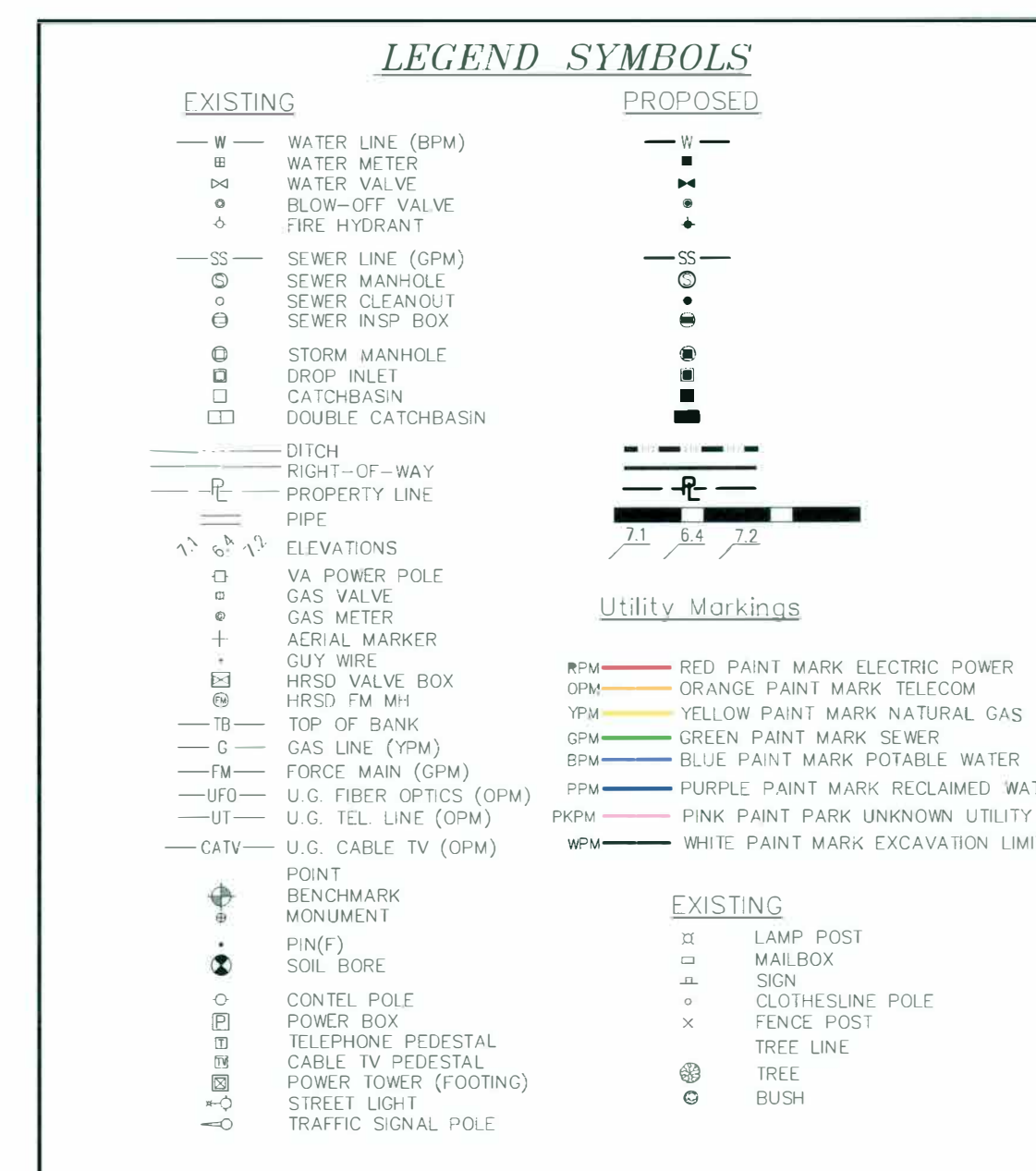
THIS PLAN DOES NOT GUARANTEE THE EXISTENCE
OF UNDERGROUND UTILITIES. PRIOR TO ANY
CONSTRUCTION, THE CONTRACTOR SHALL VERIFY
THE EXISTENCE AND LOCATION OF, OR THE
NON-EXISTENCE OF UNDERGROUND UTILITIES. WHERE
CONFLICTS OCCUR, CONTRACTOR SHALL CONTACT THE
ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

UTILITY CONTACTS:
CHESAPEAKE PUBLIC UTILITIES (757) 382-6411
CHESAPEAKE PUBLIC WORKS TRAFFIC (757) 382-6002
COX COMMUNICATIONS (757) 222-2027
DOMINION VIRGINIA POWER (757) 857-2870
HRSD-SOUTH SHORE (757) 460-7009
LEVEL 3 COMMUNICATIONS (804) 489-0789
LIGHTTOWER FIBER NETWORKS, SIDERA (801) 669-4175
QWEST, CENTURY LINK, NNC (336) 210-4404
VERIZON VIRGINIA, INC. (757) 855-6926
VERIZON NATURAL GAS (757) 449-0825



Copyright ADC The Map People

LOCATION MAP
SCALE: N.T.S.



SHEET INDEX	SHEET NO.
COVER	1
GENERAL NOTES & DETAILS	2
TRAFFIC NOTES & DETAILS	2A
HRT TYPICAL DETAILS	2B
HRT PAVEMENT DETAILS	2C
PLAN AND PROFILE	3-4

RECOMMENDED FOR APPROVAL OF CONSTRUCTION		
8-5-2017	Sam Sawan	ASSISTANT CITY ENGINEER
DATE		
DEPT. OF PUBLIC WORKS		
APPROVED FOR CONSTRUCTION		
8-14-17	Ed O'Neil	CITY ENGINEER
DATE		
DEPT. OF PUBLIC WORKS		

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PLOTTED ON August 3, 2017 USING PUBLIC WORKS.CTB

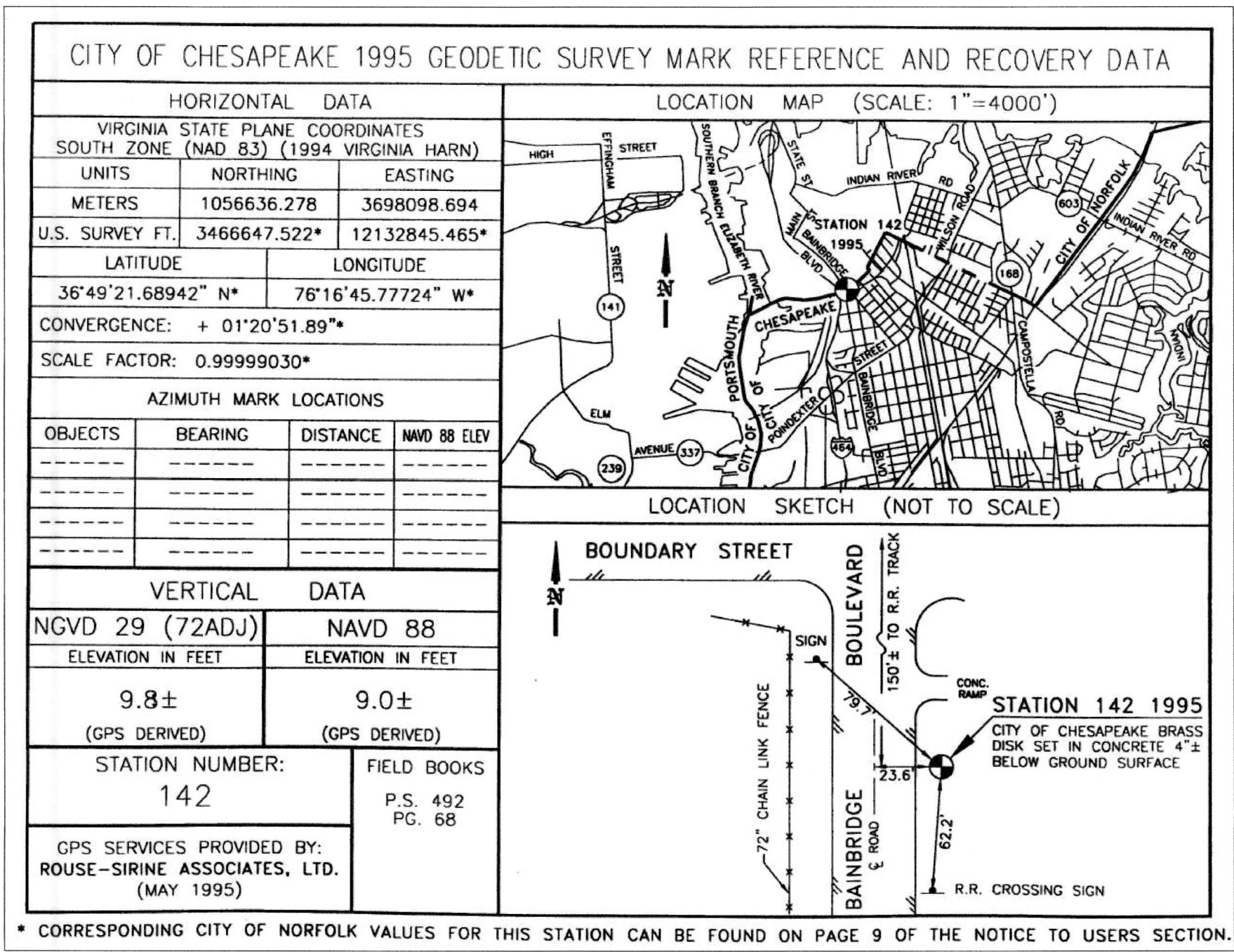
GENERAL NOTES:

- ALL ROADWAY DIMENSIONS ARE TO EDGE OF PAVEMENT.
- ALL CURVE DATA PERTAINS TO THE CONSTRUCTION BASELINE OF THE ROADWAY.
- ELEVATIONS ARE BASED ON NAVD 1988.
- THE CONTRACTOR IS REQUIRED TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES AND SHALL NOTIFY UTILITY COMPANIES 48 HOURS IN ADVANCE OF ANY EXCAVATION IN THE PROXIMITY OF THEIR UTILITIES BY CALLING 811 OR CONTACTING "MISS UTILITY" 1-800-552-7001
- BEFORE ANY WORK OF ANY NATURE IS STARTED WITHIN THE LIMITS OF CITY STREET RIGHT-OF-WAY, A PERMIT MUST BE OBTAINED FROM THE DEPARTMENT OF DEVELOPMENT AND PERMITS.
- THE PLANS DO NOT GUARANTEE THE EXISTENCE, THE LOCATION, THE TYPE, OR THE GRADES OF ALL EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES, ONLY AN APPROXIMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF SUCH ITEMS, WITH ASSISTANCE FROM THE APPROPRIATE UTILITY COMPANY OR AGENCY WHEN REQUIRED.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, INCLUDING THOSE NOT REQUIRED TO BE ADJUSTED, AND SHALL BE RESPONSIBLE FOR ANY DAMAGES DUE TO HIS FAILURE TO DO SO.
- WHEN MATERIALS WHICH ARE UNSUITABLE FOR SUBGRADE OR OTHER ROADWAY PURPOSES OCCUR WITHIN THE LIMITS OF STREET CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE SUCH MATERIAL BELOW THE TYPICAL SECTION SHOWN ON THE PLANS, AND THE AREAS SO EXCAVATED SHALL BE BACKFILLED WITH APPROVED SUITABLE MATERIALS. THE EXTEND OF UNDERCUTTING AND BACKFILLING SHALL BE DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS.
- TEMPORARY DRAINAGE DURING CONSTRUCTION TO BE PROVIDED BY THE CONTRACTOR TO RELIEVE AREAS THAT MAY CAUSE DAMAGE TO ROADWAY, OR PROTECT THE INTEGRITY OF THE SUBGRADE. THE CONTRACTOR IS RESPONSIBLE FOR DETERIORATION OF SUBGRADE CAUSED BY NEGLIGENT CONSTRUCTION METHODS AND INADEQUATE DRAINAGE. FAILURE TO PROVIDE TEMPORARY DRAINAGE WILL RESULT IN THE CONTRACTOR'S RESPONSIBILITY TO CORRECT DAMAGED SUBGRADE AT THE CONTRACTOR'S EXPENSE.
- PROVIDE TEMPORARY DRAINAGE OF PAVEMENT AND ADJACENT PROPERTY TO PREVENT STANDING WATER.
- ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS AND STANDARDS OF THE DEPARTMENT OF PUBLIC WORKS, EXCEPT WHERE OTHERWISE NOTED. THE DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATION ARE SET FORTH IN THE PUBLIC FACILITIES MANUAL, VOLUME II "CITY STANDARDS", AND VOLUME III, "TECHNICAL SPECIFICATIONS" JULY 2010 AND UPDATES. COPIES OF THESE MANUALS MUST BE PURCHASED FROM THE DEPARTMENT OF PUBLIC WORKS BY THE CONTRACTOR AND KEPT ON THE JOB SITE AT ALL TIMES. REFERENCES TO VDOT SHALL MEAN THE CURRENT STANDARDS AND/OR SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION.
- ALL DRAINAGE STRUCTURE INVERTS TO BE SHAPED IN ACCORDANCE WITH CHESAPEAKE STANDARD IS-1.
- ANY WELLS WITHIN RIGHT-OF-WAY DAMAGED BY CONSTRUCTION WILL BE TEMPORARILY RECONNECTED BY RESPONSIBLE CONTRACTOR UNTIL OWNER CAN MAKE PERMANENT CONNECTION. ANY WELLS OUTSIDE THE RIGHT-OF-WAY DAMAGED BY CONSTRUCTION WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- TREES THAT ARE CUT DURING THE CONSTRUCTION SHALL BE SET ASIDE FOR THE USE OF THE PROPERTY OWNER, IF OWNER DESIRES. OTHERWISE THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE TREES. TREE REMOVAL TO INCLUDE REMOVAL OF STUMPS AND BACKFILLING WITH SELECT BORROW II OR STUMPS MAY BE GROUND 6" BELOW GRADE.
- LIMITS OF CONSTRUCTION ARE DEFINED AS RIGHT-OF-WAY, TEMPORARY CONSTRUCTION EASEMENTS, DRAINAGE AND/OR UTILITY EASEMENTS, AND AS OTHERWISE SPECIFIED. DUE TO SPATIAL LIMITATIONS THE CONTRACTOR MUST CONTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THE RIGHT-OF-WAY AND EASEMENTS SHOWN.
- BITUMINIOUS AND HYDRAULIC CEMENT CONCRETE TO BE APPLIED AS PER VDOT SPECIFICATIONS.
- TOPSOIL, SEED, FERTILIZER, AND MULCH ARE TO BE PLACED IN ACCORDANCE WITH THE CITY OF CHESAPEAKE SPECIFICATIONS. A PERMANENT STAND OF GRASS ADEQUATE TO PREVENT EROSION MUST BE ESTABLISHED, PRIOR TO REMOVING EROSION CONTROL MEASURES.
- CONTRACTOR SHALL GIVE 30 DAYS NOTICE TO THE PROPERTY OWNERS PRIOR TO ANY WORK NEXT TO THE HOMEOWNER'S PROPERTY TO REMOVE ALL YARD ITEMS INCLUDING FENCES, FLOWER BEDS AND SHRUBBERY THAT ARE WITHIN THE RIGHT-OF-WAY. IF NOT REMOVED AFTER THE 30 DAY PERIOD, ITEMS MAY BE REMOVED BY THE CONTRACTOR AS NEEDED AND BE PLACED IMMEDIATELY OUTSIDE OF THE RIGHT-OF-WAY.
- ALL STORM DRAINAGE PIPE JOINTS TO BE SEALED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, SEE PUBLIC FACILITIES MANUAL VOLUME III, "TECHNICAL SPECIFICATIONS" DIVISION 10.
- WHEN NO CENTERLINE IS SHOWN FOR A PROPOSED ENTRANCE, THE ENTRANCE IS TO BE CONSTRUCTED AT THE SAME STATION AS THE EXISTING ENTRANCE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INGRESS/EGRESS IS MAINTAINED TO ALL ENTRANCES.
- ALL TREES SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES UNLESS DESIGNATED FOR REMOVAL.
- RELOCATE MAILBOXES TO ENSURE MAIL SERVICE IS MAINTAINED DURING CONSTRUCTION. RESET MAILBOXES TO ORIGINAL LOCATIONS AFTER CONSTRUCTION.
- WATER SERVICE LINES SHALL BE ADJUSTED TO MAINTAIN 24" COVER FROM FINISHED GRADE AND MINIMUM 4" CLEARANCE FROM THE STORM DRAINAGE PIPE.
- SHORING OF POWER POLES IS TO BE COORDINATED THROUGH VIRGINIA POWER.
- SWALES AND SWALES OVER PIPES TO BE PROVIDED DURING RESTORATION AS PART OF BID ITEM FOR TOPSOIL, SEEDING AND RESTORATION. QUANTITIES ARE PROVIDED AS REFERENCE FOR CONSTRUCTION DIMENSIONS. MEASUREMENT IS NOT CONSIDERED TOWARD PAYMENT. PAYMENT IS UNDER THE LUMP SUM PAYMENT FOR RESTORATION.
- ALL NEW AND EXISTING DRAINAGE SYSTEM INLETS ARE TO BE PROVIDED WITH INLET PROTECTION UNTIL VEGETATION IS ESTABLISHED IN ACCORDANCE WITH VIRGINIA EROSION & SEDIMENT CONTROL MANUAL. ALL STORM DRAINAGE PIPE AND DROP INLETS TO BE CLEARED OF DEBRIS AND ERODED MATERIAL AT LAST STATES OF CONSTRUCTION.

MAINTENANCE OF EROSION CONTROL MEASURES:

IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED IN ACCORDANCE WITH VE&SC STD. AND SHOULD BE CLEANED AND REPAIRED ACCORDING TO THE FOLLOWING SCHEDULE:

- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION AND BUILDUP OR CLOGGING WITH SEDIMENT. CORRECTIVE ACTION SHALL BE TAKEN IMMEDIATELY.
- THE SEDIMENT BASIN WILL BE CLEANED OUT WHEN THE LEVEL OF SEDIMENT BUILDUP REACHES THE CLEANOUT POINT INDICATED ON THE RISER PIPE.
- ALL SEEDED AREAS WILL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEEDED AS NEEDED.
- THE SEDIMENT TRAPS WILL BE CHECKED REGULARLY FOR SEDIMENT CLEANOUT.



PROJECT SPECIFIC GENERAL NOTES and DETAILS

WORK TIMES:

WORK MAY BE PERFORMED BETWEEN 8:00 A.M. AND 5:00 P.M. MONDAY THROUGH FRIDAY, EXCEPT FOR CITY HOLIDAYS. NO WORK SHALL BE PERFORMED ON SUNDAYS. SEE ALSO TRAFFIC CONTROL GENERAL NOTES 3 AND 8.

TRAFFIC CONTROL GENERAL NOTES:

- THE TRAFFIC CONTROL PLAN SHALL BE IN ACCORDANCE WITH THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL, INCLUDING ALL REVISIONS, AND REVISED GUIDELINES THROUGH 2015.
- THE CONTRACTOR SHALL SUBMIT DETAILED TRAFFIC CONTROL PLANS TO THE ENGINEER FOR REVIEW AND APPROVAL ONE (1) WEEK PRIOR TO THE CONSTRUCTION ACTIVITY. ANY PROPOSED DEVIATIONS FROM THESE PLANS MUST ALSO BE REVIEWED AND APPROVED BY THE ENGINEER.
- DURING NON-CONSTRUCTION HOURS, ALL EXCAVATED AREAS TO BE RAMPED UP PER CITY STANDARDS.
- THE CONTRACTOR MUST PROVIDE LOCAL ACCESS TO RESIDENTS, BUSINESSES, EMERGENCY VEHICLES, SCHOOL BUSES, AND OTHER DAILY SERVICES AT ALL TIMES.
- ALL FLAGGERS MUST BE STATE CERTIFIED AND HAVE THEIR CERTIFICATION CARD IN THEIR POSSESSION WHEN PERFORMING FLAGGING DUTIES.
- CARE SHOULD BE EXERCISED WHEN ESTABLISHING THE LIMITS OF THE WORK ZONE TO ENSURE MAXIMUM POSSIBLE SIGHT DISTANCE IN ADVANCE OF THE FLAGGER AND TRANSITION.
- ANY TRAFFIC CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO, PAVEMENT MARKINGS, SIGNAGE, AND TRAFFIC SIGNAL EQUIPMENT, DAMAGED, OR DESTROYED BY THE CONTRACTOR MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL CHECK ALL TRAFFIC CONTROL EQUIPMENT BEFORE, DURING, AND AFTER EACH WORK DAY TO ENSURE PROPER OPERATION. ON WEEKENDS, HOLIDAYS, AND ANY NON-WORKING DAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE TRAFFIC CONTROL DEVICES DAILY FOR PROPER OPERATION.
- NO CONSTRUCTION MATERIALS SHALL BE STOCKPILED WITHIN THE "CLEAR ZONE" AS DEFINED IN THE "AASHTO" "ROADSIDE DESIGN GUIDE". ALSO, NO EQUIPMENT OR MACHINERY SHALL BE LEFT PARKED OR UNATTENDED WITHIN THE CLEAR ZONE, WHILE WORK IS NOT BEING PERFORMED.
- ANY AND ALL DAMAGED OR REMOVED TRAFFIC SIGNAL SPURENANCES, TRAFFIC CONTROL DEVICES, AND/OR PAVEMENT MARKINGS SHALL BE RESTORED BY THE CONTRACTOR.
- LANES SHIFTS ARE PREFERED TO SHOULDER WORK WHEN POSSIBLE.

DETAIL NOTES:

- SIGN SPACING DISTANCE SHOULD BE 350' - 500'.
- WHERE RIGHT-OF-WAY OR GEOMETRIC CONDITIONS PREVENT THE USE OF 48" X 48" SIGNS, 36" X 36" SIGNS MAY BE USED.

SURVEY NOTES:

- ELEVATIONS ARE BASED ON NAVD 1988.
- HORIZONTAL REFERENCE DATUM IS VIRGINIA COORDINATE SYSTEM OF 1983, SOUTH ZONE (NAD 1983, 1994 HARN)
- UTILITY AS SHOWN ON SHEET 3 OF SN-RP 10W, LIBERTY STREET, PREPARED BY CITY OF CHESAPEAKE, DEPARTMENT OF PUBLIC UTILITIES, DATED MAY 17, 1978.
- UTILITY AS SHOWN ON SHEET 3 OF S.N.R.H.A. "A" STREET PROJECT PLAN - STA. 7+50 TO STA. 0+80 CL 20TH STREET, PREPARED BY R. KENNETH WEEKS, DATED NOVEMBER 15, 1965.
- UTILITY AS SHOWN ON SHEET 2 OF SITE PLAN FOR PRETLOW & SONS FUNERAL HOME, PREPARED BY AGARN ASSOCIATES, DATED NOVEMBER 1989.
- UTILITY AS SHOWN ON SHEET 2 OF S.N.R.H.A. "A" STREET PROJECT PLAN STA. 13+10.3 TO STA. 7+50 & TYPICAL DETAILS, PREPARED BY R. KENNETH WEEKS, DATED NOVEMBER 15, 1965.
- UTILITY AS SHOWN ON SHEET S-1 OF S.N.R.H.A. OF CHESAPEAKE, "A" STREET PROJECT, PLAN 16TH ST. SEWER, PREPARED BY R. KENNETH WEEKS, DATED MAY 22, 1967.

UTILITY NOTES:

-ALL MATERIALS USED IN THE CONSTRUCTION OF THE PUBLIC WATER SYSTEM SHALL BE IN COMPLIANCE WITH PUBLIC LAW 111-380, THE REDUCTION OF LEAD IN DRINKING WATER ACT. PRODUCTS SHALL BEAR THE NSF/ANSI STANDARD 61 ANNEX G NSF 61-G CERTIFICATION MARK WHERE SPECIFIED BY LAW.

-THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY WATER OR SEWER FACILITIES THAT ARE DAMAGED DURING CONSTRUCTION. IN ADDITION, PRIOR TO WORKING WITHIN THE VICINITY OF PUBLIC UTILITIES, KAREN HARRELL (757) 641-1194, IS TO BE CONTACTED 48 HOURS PRIOR TO CONSTRUCTION. PROVIDE NOTES ON THE PLANS TO THIS EFFECT.

-ANY PART OF THE EXISTING 10" CAST IRON WATER MAIN WILL NEED TO BE RELOCATED, OFFSET, ETC. WILL BE REQUIRED TO BE REPLACED WITH 10" DUCTILE IRON PIPE IN ACCORDANCE WITH THE PFM.

-IF ANY EXISTING WATER SERVICES, WATER METERS, SEWER LATERALS, AND CLEANOUTS IN THE VICINITY OF THE PROPOSED WORK ON THE PLANS ARE DAMAGED DURING CONSTRUCTION, THEY ARE TO BE REPLACED WITH CITY STANDARD STRUCTURES IN ACCORDANCE WITH THE PFM, VOLUME 2.

EROSION AND SEDIMENT CONTROL NOTES:

MANAGEMENT STRATEGIES AND SEQUENCE OF EROSION CONTROL MEASURES:

UNLESS OTHERWISE INDICATED, ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL LAW AND REGULATIONS AND THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. THE FOLLOWING SEQUENCE OF EVENTS AND EROSION CONTROL MEASURES SHALL BE INCORPORATED INTO THE CONSTRUCTION SCHEDULE FOR THIS PROJECT AND SHALL APPLY TO ALL CONSTRUCTION ACTIVITIES WITHIN PROJECT LIMITS:

- A. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED PUBLIC ROAD SURFACE, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING, SWEEPING AND TRANSPORTING TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL PARCEL LOTS AS WELL AS LARGER LAND DISTURBING ACTIVITIES.
B. CONSTRUCTION TRAFFIC SHALL BE LIMITED TO ACCESS ROADS. ALL TRAFFIC IS PROHIBITED FROM CROSSING DRAINAGE SWALES EXCEPT WHERE ABSOLUTELY NECESSARY.
C. TEMPORARY CONSTRUCTION ENTRANCE(S) SHALL BE PROVIDED AT LOCATION(S) SHOWN ON THE PLANS. WASHRACKS ARE TO BE PROVIDED WHERE WATER IS AVAILABLE.
- TEMPORARY SEDIMENT TRAPS, SEDIMENT BARRIERS, CONSTRUCTION ENTRANCE, AND EROSION CONTROL STONE ARE TO BE PLACED PRIOR TO CLEARING AND GRUBBING OR PRIOR TO THE FIRST PHASE OF CONSTRUCTION.
- ADD ALL PERMANENT STORM WATER MANAGEMENT FACILITIES INCLUDING EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND BE MADE OPERATIONAL AT THE START OF CLEARING OPERATIONS. THE CONTRACTOR SHALL COMPLETE DRAINAGE FACILITIES WITHIN THIRTY (30) DAYS FOLLOWING COMPLETION OF ROUGH GRADING AT ANY POINT WITHIN THE PROJECT.
- CONSTRUCTION SHALL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
- AREAS WHICH ARE NOT TO BE DISTURBED SHALL BE CLEARLY MARKED BY FENCING, FLAGS, SIGNS, ETC.
- A. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR UP TO THIRTY (30) DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN THIRTY (30) DAYS.
B. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
C. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT, IN THE OPINION OF THE LOCAL PROGRAM ADMINISTRATOR OR HIS DESIGNATED AGENT, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION. THE CONTRACTOR SHALL RESEED AREAS AS REQUIRED TO ACHIEVE THE ABOVE. HYDROSEEDING MAY BE USED IN PLACE OF MULCHING.
- STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIVERSIONS, AND DITCH OR WATERCOURSE BEDS AND BANKS IMMEDIATELY AFTER INSTALLATION.
- ALL STORM SEWER INLETS THAT ARE TO BE USED FOR DRAINAGE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
A. BEFORE NEWLY CONSTRUCTED CONVEYANCE CHANNELS ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.
B. WHENEVER SEDIMENT-LADEN WATER IS REMOVED FROM A CONSTRUCTION SITE BY MEANS OF PUMPING, A TEMPORARY SETTLING & FILTERING DEVICE SHALL BE USED TO FILTER THE SEDIMENT-LADEN WATER PRIOR TO THE WATER BEING DISCHARGED OF-SITE.
- CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE (1) YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZATION MEASURES UNTIL THE PROBLEM IS CORRECTED. A. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, OR SLOPE DRAIN STRUCTURE.
- PERIODIC INSPECTIONS AND REQUIRED MAINTENANCE SHALL BE PROVIDED, AFTER EACH RAINFALL OR WEEKLY WHICHEVER IS MORE FERQUENT. THE PROJECT CONSTRUCTION SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM ADMINISTRATOR. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

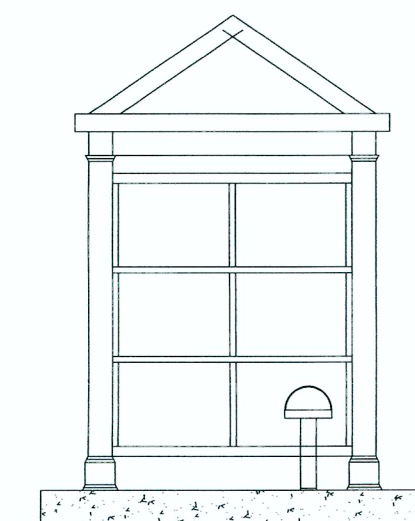
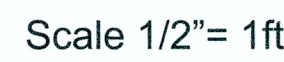
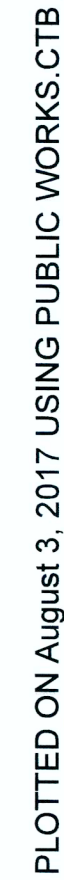
EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES:

VIRGINIA EROSION AND SEDIMENT CONTROL MINIMUM STANDARDS AND SPECIFICATIONS (VE&SC STD. & SPEC.):

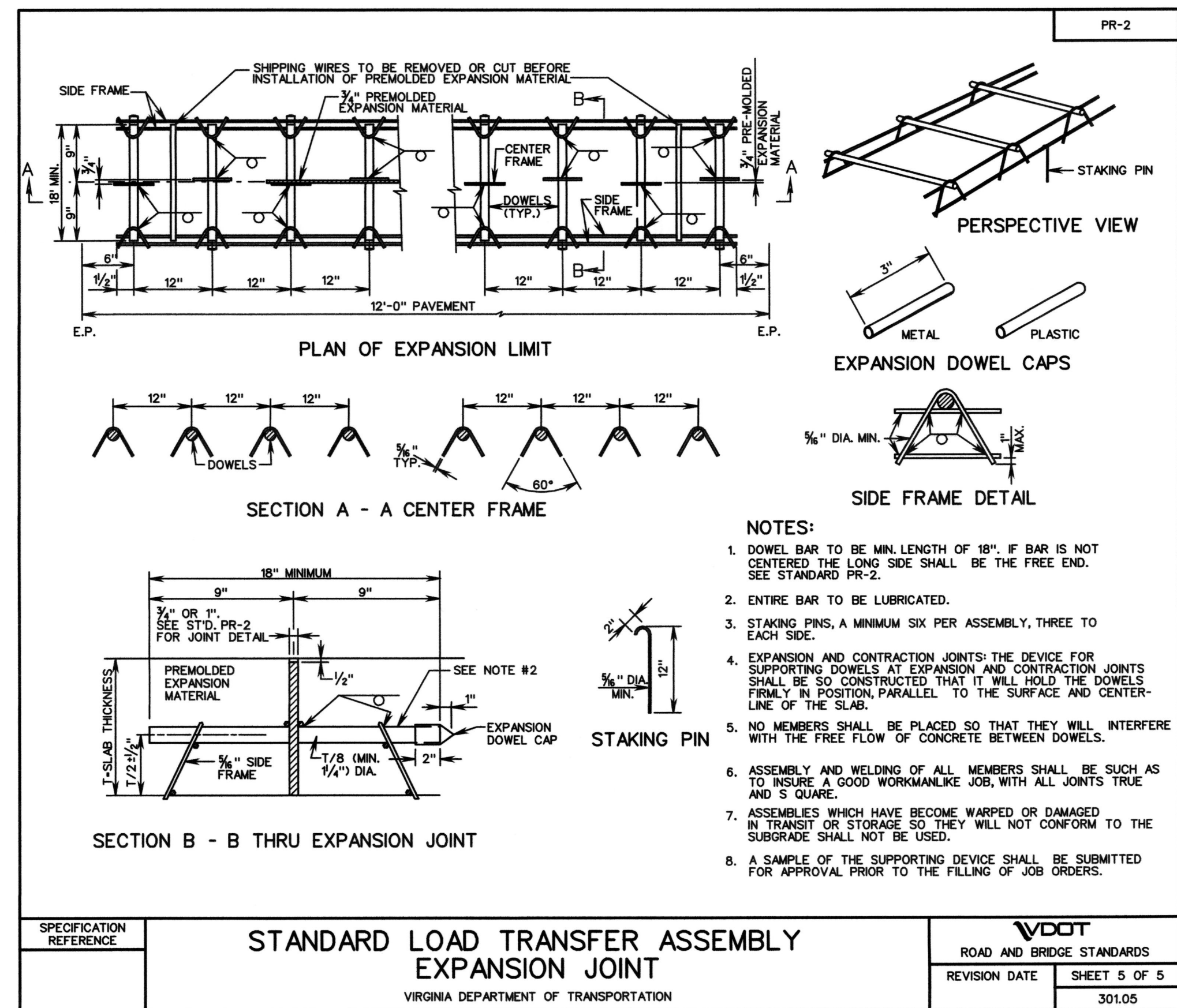
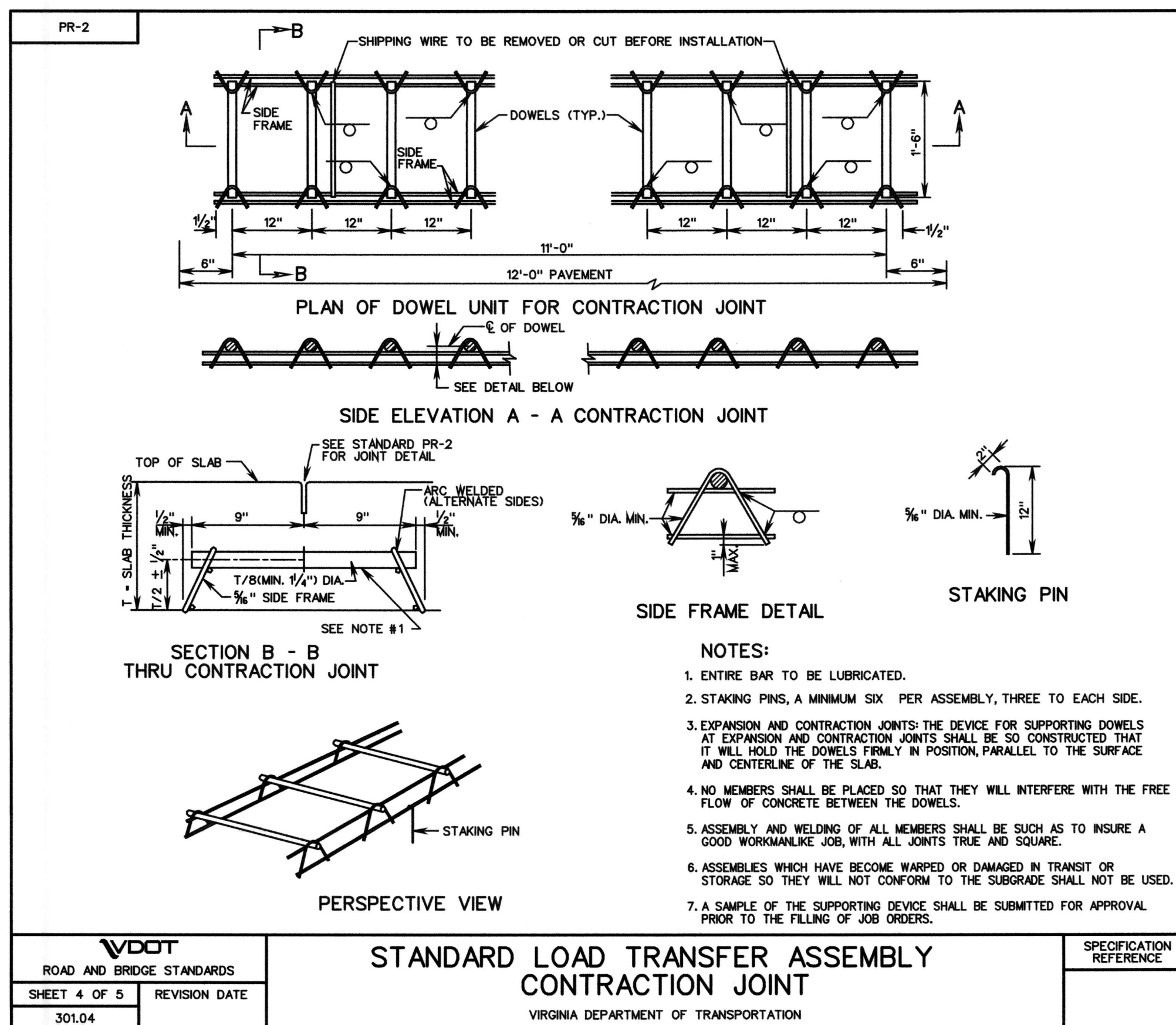
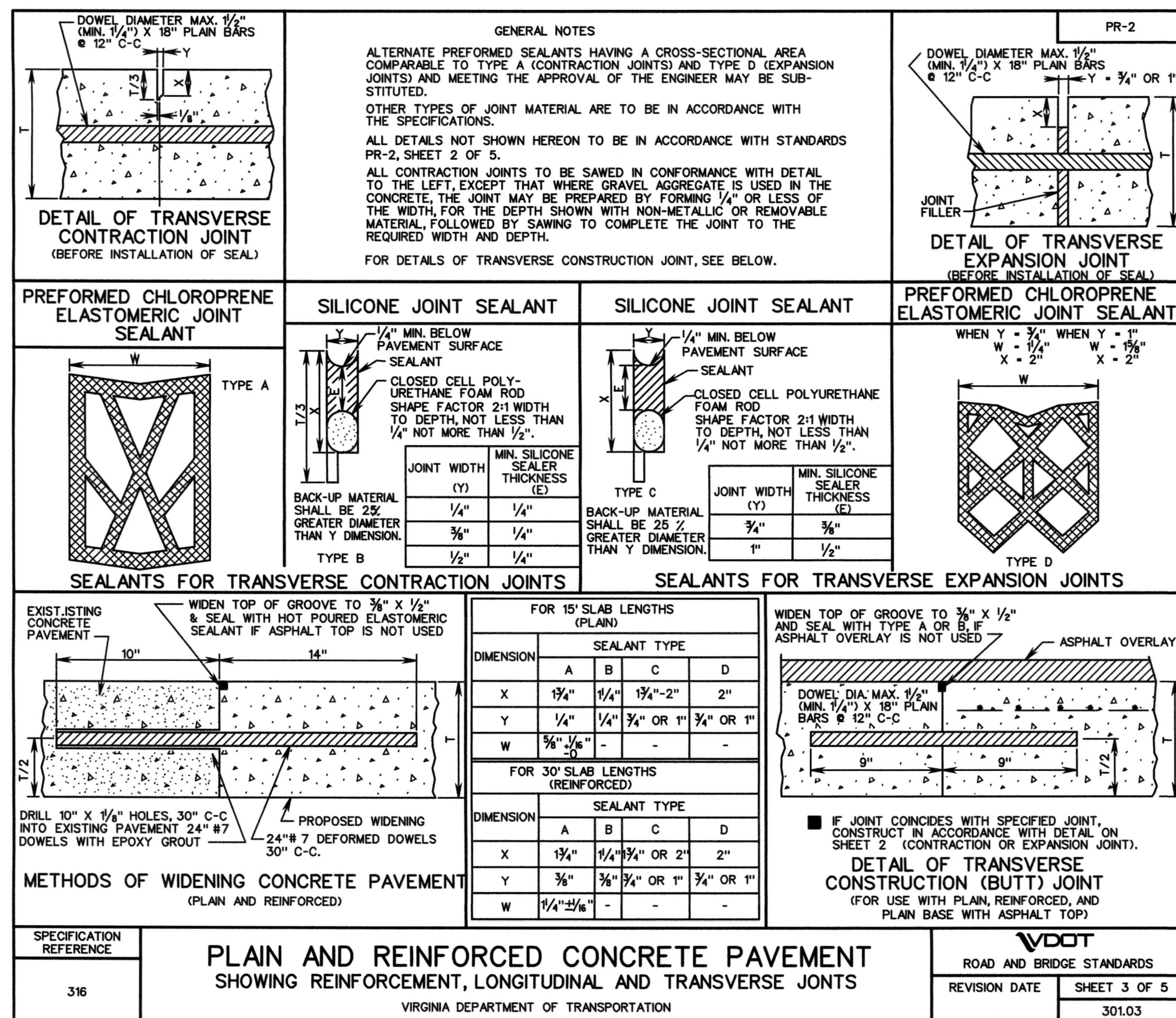
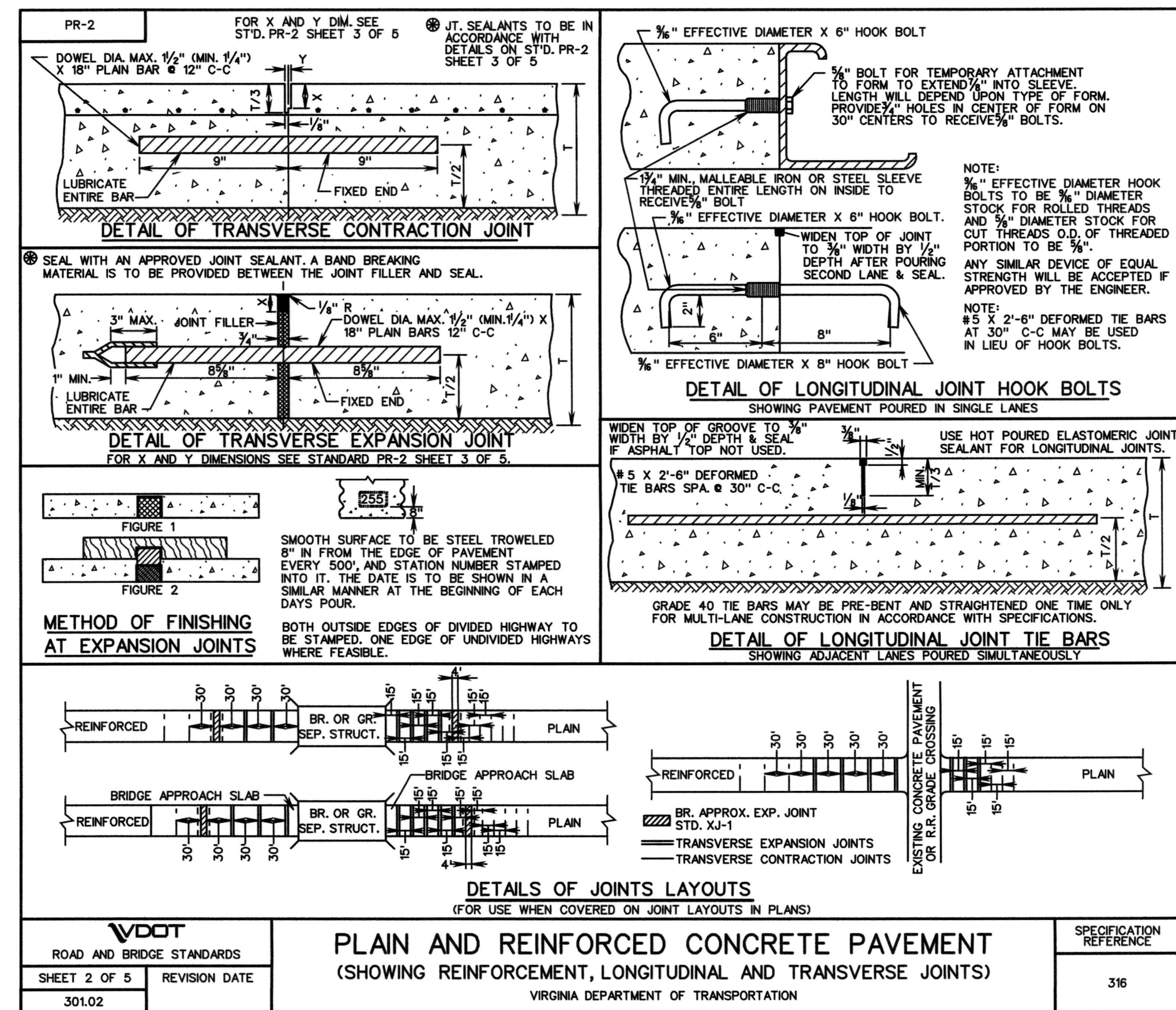
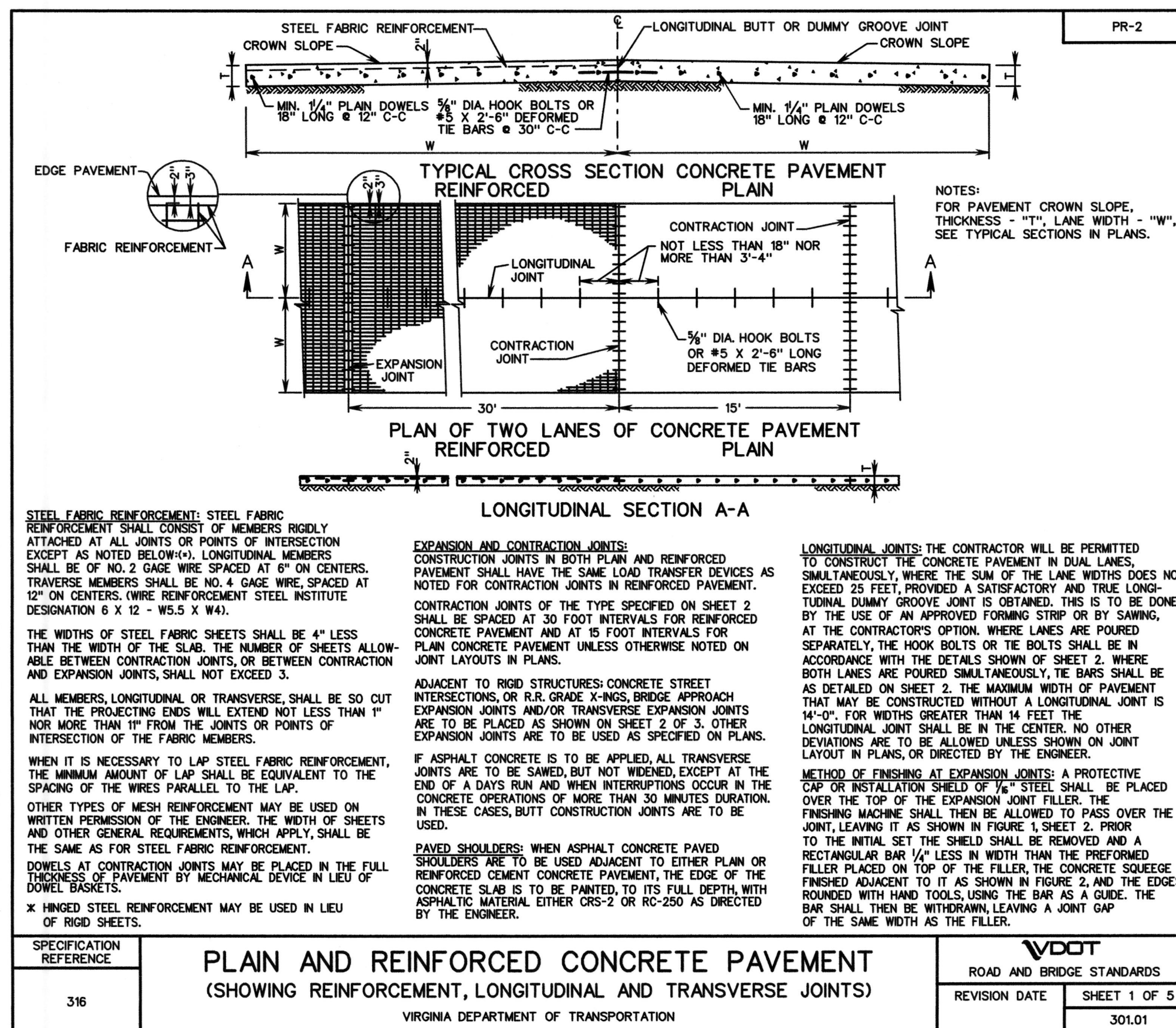
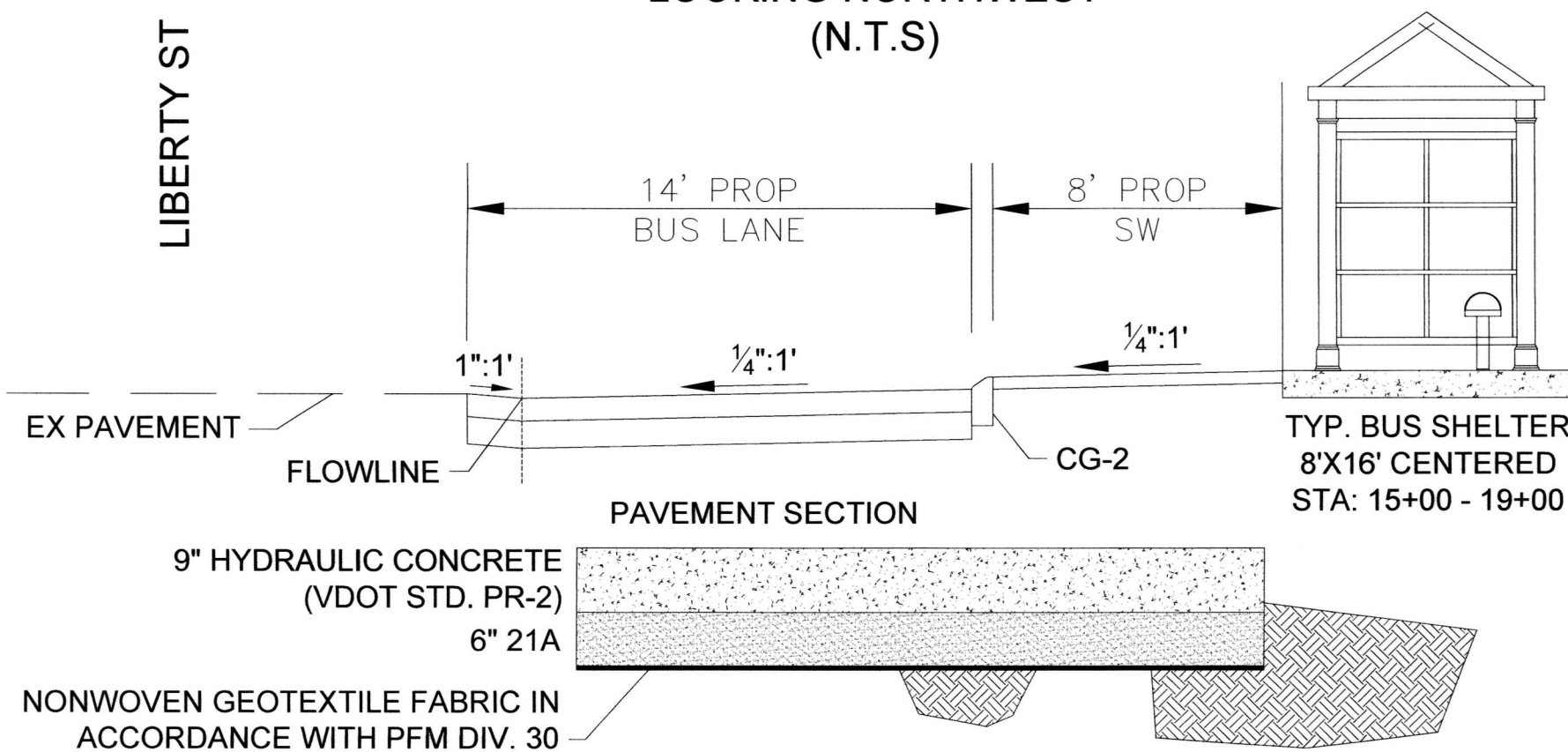
- DUST CONTROL - STD. & SPEC. 3.39
SEE PUBLIC FACILITIES MANUAL, VOLUME III, DIVISION 3, "ALLAYING DUST."
- SILT FENCE - STD. & SPEC. 3.05
SILT FENCES ARE TO BE INSTALLED DOWNSLOPE OF DISTURBED AREAS TO FILTER SEDIMENT-LADEN RUNOFF FROM SHEET FLOW. SEE VE&SC PLATE 3.05-2.
- STORM DRAIN INLET PROTECTION - STD. & SPEC. 3.07
ALL STORM SEWER INLETS SHALL BE PROTECTED DURING CONSTRUCTION. SEDIMENT-LADEN WATER SHALL BE FILTERED BEFORE ENTERING THE STORM SEWER INLETS. SEE VE&SC PLATE 3.07-1.
- OUTLET PROTECTION - STD. & SPEC. 3.18
ALL STORMWATER OUTLETS INTO DITCHES ARE TO BE PROTECTED TO PREVENT SCOUR. SEE ALSO PUBLIC FACILITIES MANUAL, VOLUME II, STD. EC-1 AND EC-2.
- TURBIDITY CURTAIN - STD. & SPEC. 3.27
PROPERLY INSTALL AND MAINTAIN TYPE II TURBIDITY CURTAINS WHENEVER WORK IS BEING PERFORMED IN TIDAL WATERS. THE TURBIDITY CURTAIN IS TO BE INSTALLED AT THE START OF ANY LAND DISTURBANCE WORK TO TRAP SEDIMENT.
- TOPSOILING - STD. & SPEC. 3.30. SEE ALSO CONTRACT SPECIAL TECHNICAL SPECIFICATIONS SECTION. SEE PUBLIC FACILITIES MANUAL, VOLUME III, DIVISION 20, "TOPSOIL AND SEEDING AND RESTORATION". ALL NEW TOPSOIL SHALL BE CLASS B, SCREENED TOPSOIL.
- PERMANENT SEEDING - STD. & SPEC. 3.32
SEE PUBLIC FACILITIES MANUAL, VOLUME III, DIVISION 20, "TOPSOIL AND SEEDING AND RESTORATION". ALL PERMANENT SEEDING SHALL BE HYDROSEEDED.
- MULCHING - STD. & SPEC. 3.35
MULCH (STRAW OR FIBER) WILL BE USED ON TOPSOIL AREAS WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED. THIS IS TO PROTECT THE SLOPES FROM EROSION AND TO RETAIN MOISTURE UNTIL THE NEW GRASS HAS BECOME FULLY ESTABLISHED.
- SOIL STABILIZATION BLANKET & MATTING - STD. & SPEC. 3.36
EXCAVATED AND REGRADED DITCH BOTTOMS TO BE PROTECTED WITH SOIL STABILIZATION MATERIAL AS PER VDOT STD. EC-2. UNLESS OTHERWISE INDICATED ON THE PLANS.

					DATE	BY
					REVISION	
					NO.	
HRT LIBERTY STREET BUS TRANSFER STATION						GENERAL NOTES & DETAILS
CITY OF CHESAPEAKE						
PUBLIC WORKS						
SCALE: AS NOTED						
DATE: 8/3/17						
ENGR: MCW						
TECH: JHL/CSS						
SUN: 16022/15009						
SHEET						
2						
FILE: 1623						

G:\Shared\AcadFiles\PROJECT\1623 HRT Transfer Station\Liberty St HRT Bus Transfer Station-100%.dwg

AC # 16-6001-00

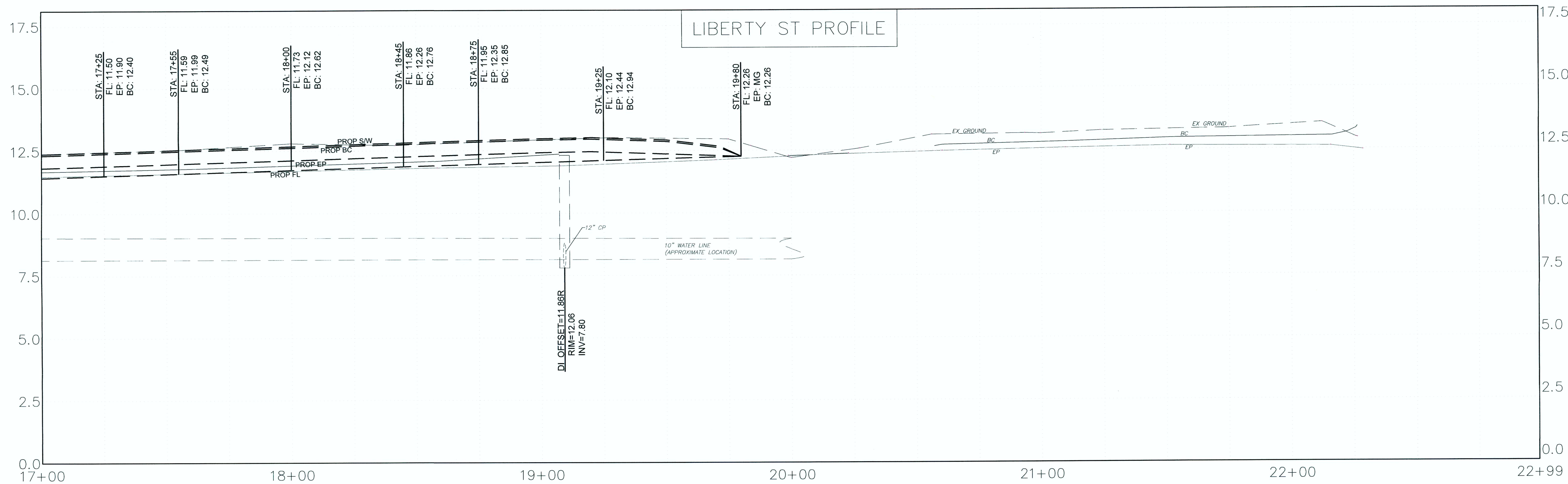
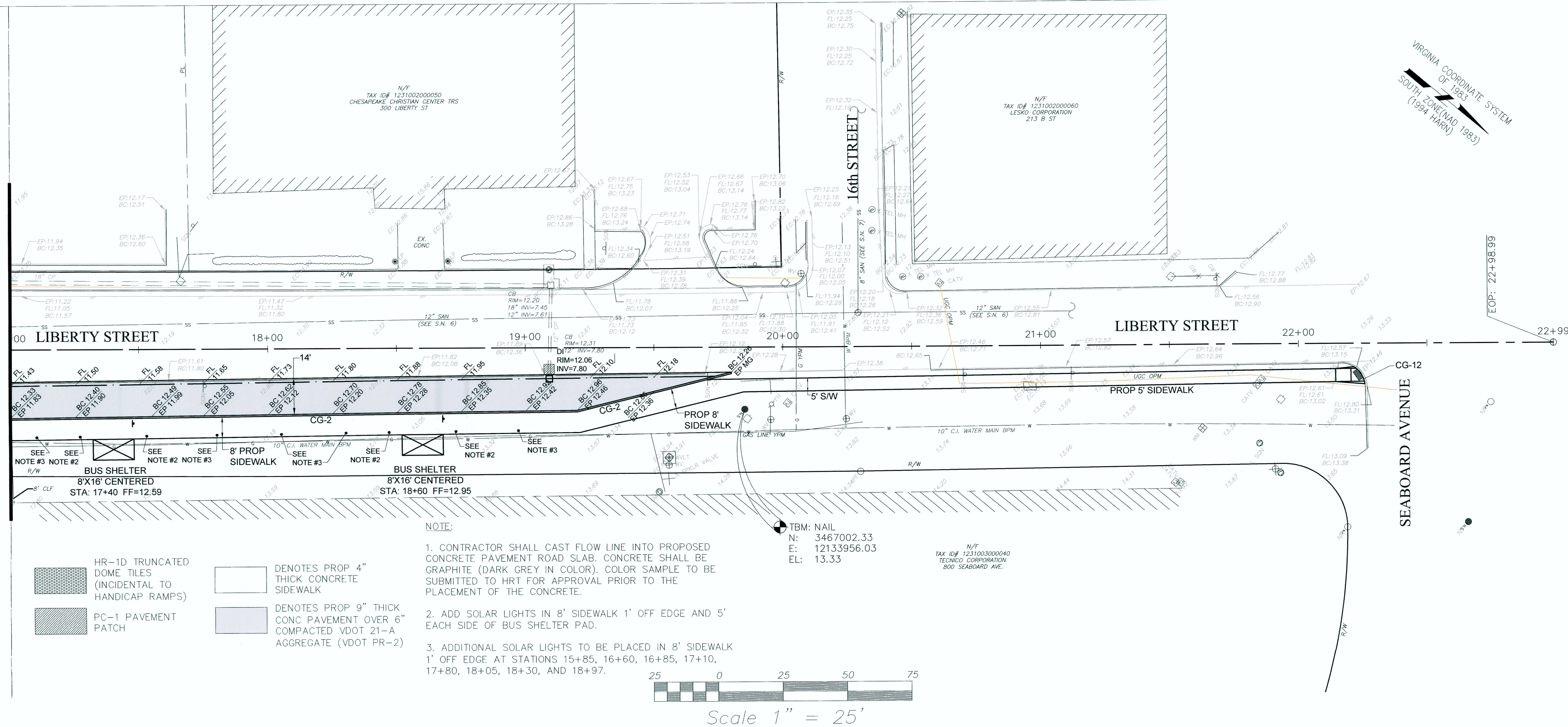
ROADWAY SECTION FOR BUS PICKUP LANE AT LIBERTY STREET -
LOOKING NORTHWEST
(N.T.S)




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PLOTTED ON August 3, 2017 USING PUBLIC WORKS.CTB

MATCHLINE 17+00
SEE SHEET 3



	CITY OF CHESAPEAKE	HRT LIBERTY STREET BUS TRANSFER STATION							
	PUBLIC WORKS	PLAN AND PROFILE							
SCALE: 1"=25'	DATE: 8/3/17								
ENGR: MCW	TECH: JHL/CS								
SJN: 16022/15009	SHEET								
	4								
FILE: 1623									
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AC #16-6001-00