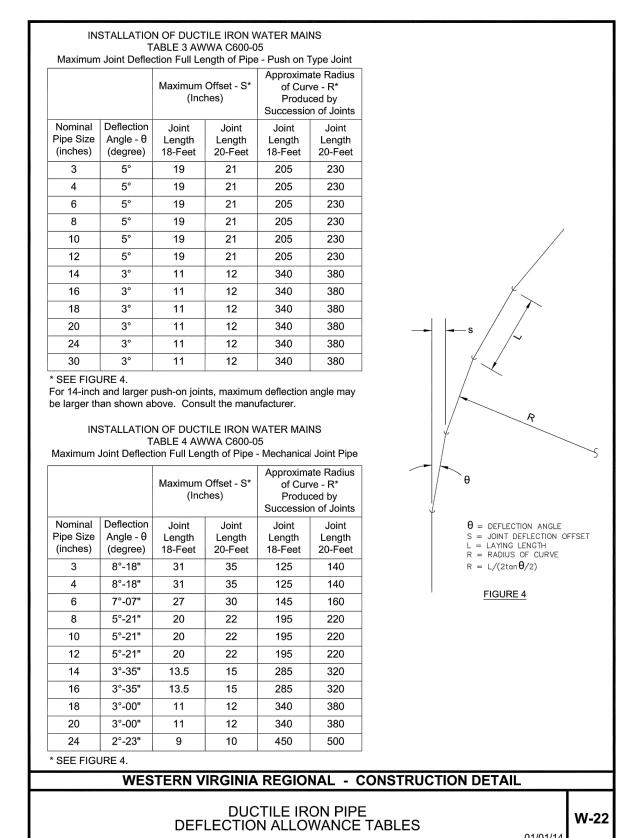
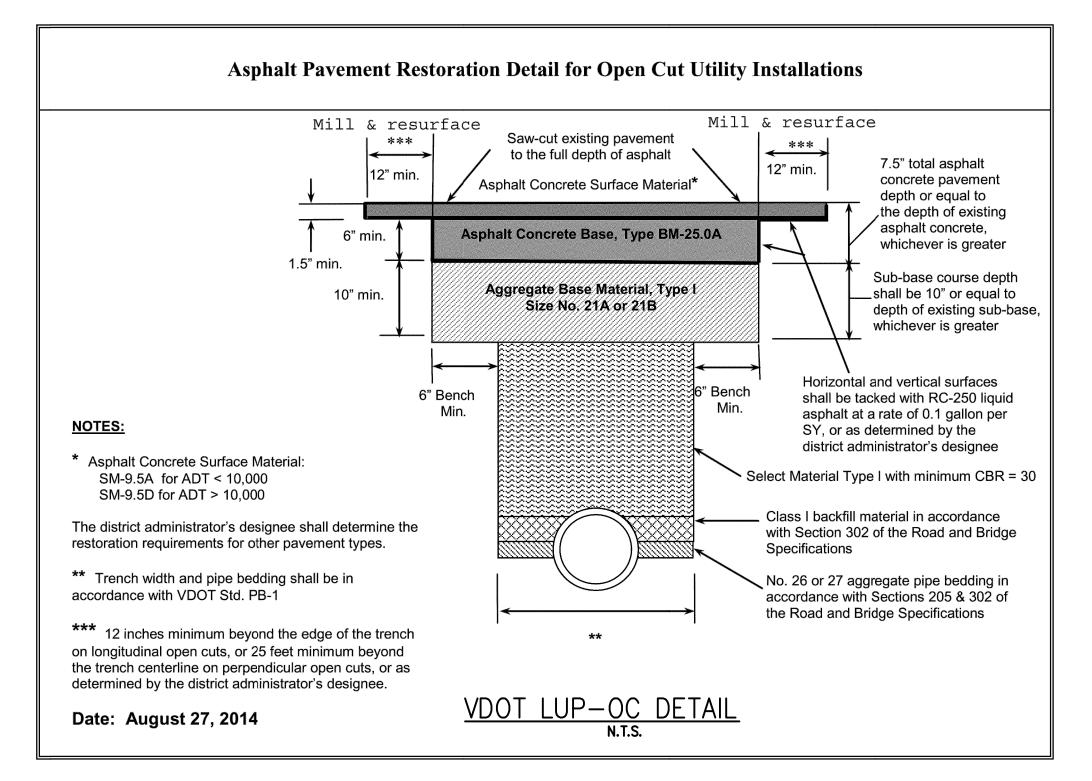


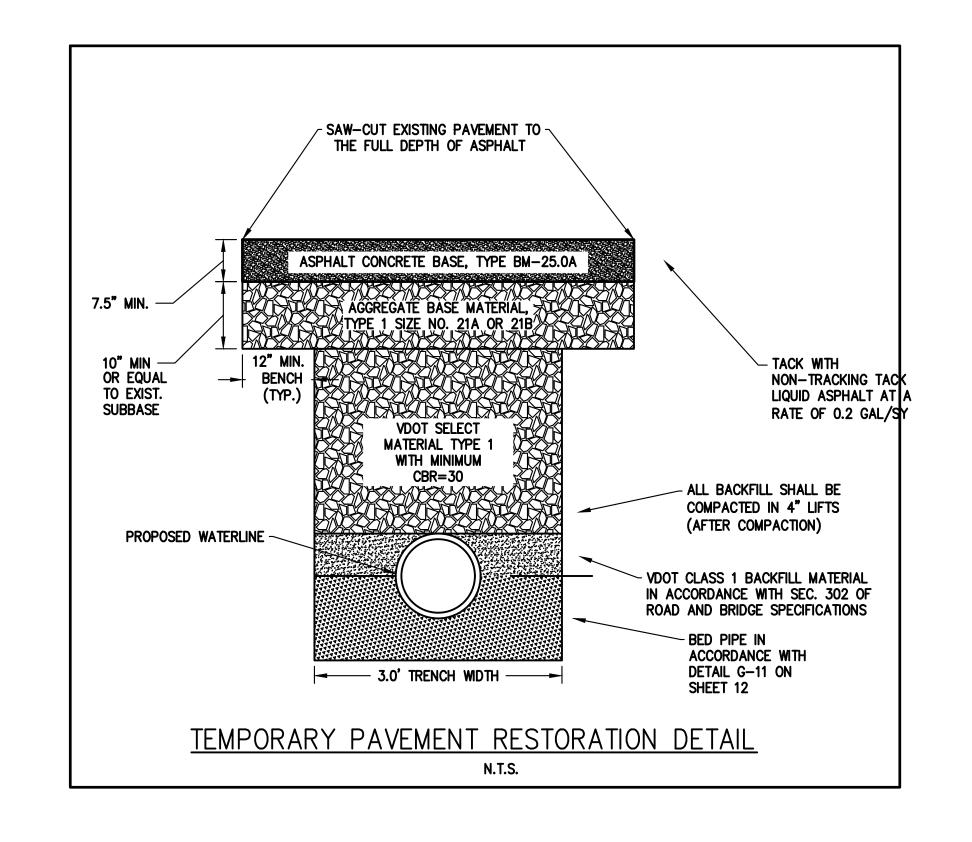
			ı	T	·			FACTOR C	OF SAFETY	/ = 1.5	
PIPE SIZE	PIPE MAT'L	90° BEND	45° BEND	22 ½° BEND	11 <sup>1</sup> / <sub>4</sub> ° BEND	VALVE/ PLUG (NOTE 2)	TEE BRANCH (NOTE 3)	REDUCER (NOTE 4)	45° VERT.	22 ½° VERT.	11 ½ VER
6"	D.I.	28'	21'	6'	3'	50'	26'	26'	21'	10'	5'
8"	D.I.	36'	21'	8'	4'	65'	41'	27'	27'	13'	7'
10"	D.I.	43'	21'	9'	5'	77'	53'	26'	32'	16'	8'
12"	D.I.	51'	21'	10'	5'	91'	67'	27'	38'	18'	9'
6"	PVC	29'	21'	6'	3'	78'	25'	40'	32'	16'	8'
8"	PVC	37'	21'	8'	4'	102'	49'	43'	42'	21'	10
10"	PVC	44'	21'	9'	5'	122'	68'	41'	51'	25'	12
12"	PVC	51'	21'	11'	6'	143'	89'	42'	60'	29'	15
2. RI G. 3. RI O	ATE VALVI ESTRAINE F THE MAI	R FOR THE D LENGTH ES. D LENGTH IN RUN SH	LENGTH H SHOWN H SHOWN HALL BE A	SHOWN ( REFERS MINIMUM	JNLESS ( TO ANY [ TO THE E	OTHERWIS DESIGNED BRANCH L DN EACH S	O OR POTI INE ONLY SIDE OF T	ENTIAL LINI '. THE CON HE TEE.	ITINUOUS	NCLUDIN	NGTH
2. RI G. 3. RI O 4. RI PI	ISPECTOR ESTRAINE ATE VALVI ESTRAINE F THE MAI ESTRAINE ESTRAINE	EFOR THE COLENGTH COLENGTH IN RUN SH COLENGTH COLENGTH COLENGTH COLENGTH	E LENGTH  H SHOWN  H SHOWN  HALL BE A  H SHOWN  THER DIAN	REFERS REFERS MINIMUM IS BASED METER RE	TO ANY I  TO THE E  OF 10' C  ON RED  DON RED	DTHERWIS DESIGNED BRANCH L DN EACH S DUCING PII N WILL RE	OR POTI INE ONLY BIDE OF T PE DIAME QUIRE AL	ENTIAL LINI	ITINUOUS IE SIZE S CALCULA	NCLUDIN S PIPE LEI MALLER <sup>-</sup> TIONS BE	NGTH THAN EFORE
2. RI G. 3. RI O 4. RI PI IN	ISPECTOR ESTRAINE ESTRAINE F THE MAI ESTRAINE PE LISTEL ISTALLATI	EFOR THE D LENGTH D LENGTH IN RUN SH D LENGTH D (ANY OT ON). RES	E LENGTH  H SHOWN  H SHOWN  HALL BE A  H SHOWN  HER DIAM  TRAINED I	REFERS REFERS REFERS MINIMUM IS BASEL METER RE LENGTH S IF UNDEF ARE TO E	TO ANY I  TO THE E  OF 10' C  ON RED  COUNTY	DESIGNED  BRANCH L  DN EACH S  DUCING PII  N WILL RE  B UPSTRE  WORKING  IF EQUAL	OR POTION  INE ONLY  BIDE OF T  PE DIAME  QUIRE AL  AM ON TH	ENTIAL LINI    THE CON HE TEE.  TER TO ON DITIONAL	ITINUOUS NE SIZE S CALCULA BIDE OF T RAINED JO SI WORK	NCLUDING S PIPE LEI MALLER TIONS BE HE REDU DINT(S) ING	NGTH THAN EFORE ICER.
2. Ri G. 3. Ri O 4. Ri Pi IN 5. 12	ISPECTOR ESTRAINE ESTRAINE F THE MAI ESTRAINE IPE LISTEE ISTALLATI	EFOR THE COLENGTH	E LENGTH  H SHOWN  H SHOWN  HALL BE A  H SHOWN  THER DIAN  TRAINED I  AMETER:	REFERS REFERS REFERS MINIMUM IS BASED METER RE LENGTH S IF UNDEF ARE TO E PRESSUR BE USED THRUST	TO THE END OF 10' CO ON REDUCTION SHOWN IS RE USED. RE, BOTH . R 100 PSI . IF EQU/BLOCK(S	DESIGNED BRANCH L DN EACH S DUCING PII N WILL RE S UPSTRE WORKING IF EQUAL THRUST WORKING AL TO OR ) AND RES	OR POTION OR POTION OR POTION OR POTION OR ONLY OR ONLY OR ONLY OR ONLY OR OR ONLY OR OR ONLY	ENTIAL LINI  T. THE CON HE TEE.  TER TO ON DDITIONAL OF HE LARGE STRE, RESTRE  EVER 150 P	ITINUOUS  NE SIZE S CALCULA SIDE OF T RAINED JO RAINED J	MALLER TIONS BETHE REDUCTIONS (S) ING JOINT(S) ASSURE, EST USED (U	NGTH THAN EFORE ICER. SHALL RE TO SOTH
1	ESTRAINE ATE VALVI ESTRAINE F THE MAI ESTRAINE PE LISTEL ISTALLATI "AND SM. ARGER TH. OR RESTR	EFOR THE COLUMN SHOP COLUMN SH	E LENGTH  H SHOWN  H SHOWN  HALL BE A  H SHOWN  HER DIAN  TRAINED I  AMETER:  AMETER:	REFERS REFERS REFERS REFERS MINIMUM IS BASED METER RE LENGTH S IF UNDEF ARE TO E PRESSUR BE USED THRUST OTHERW IG REQUIR	TO THE E TO THE THE THE THE THE TO THE THE THE THE THE TO THE THE THE THE TO THE THE TO T	DESIGNED BRANCH L DN EACH S DUCING PII N WILL RE S UPSTRE WORKING IF EQUAL THRUST WORKING AL TO OR ) AND RES ROVED BY	OR POTION OR POTION OR POTION OR POTION OR ONLY PE DIAME QUIRE AL AM ON THE OPERSON ONLY OVER 100 STRAINED THE PAR	ENTIAL LINI  T. THE CON HE TEE.  TER TO ON DITIONAL OF HE LARGE S HRE, RESTR DVER 150 P ON AND RESTR D PSI WORK D JOINT(S) S	ITINUOUS  JE SIZE S CALCULA BIDE OF T RAINED JO RAINED J	MALLER TIONS BE HE REDUDINT(S) ING JOINT(S) AI SSURE, E USED (U).	NGTH THAN EFORE CER. SHALL RE TO SOTH NLESS





PAVEMENT RESTORATION

ALL OPEN CUTS OF PAVEMENT WITHIN VDOT RIGHTS-OF WAY SHALL BE MAINTAINED FOR NORMAL VEHICULAR USE AT ALL TIMES. ALL PAVEMENT DISTURBANCE WITHIN VDOT RIGHTS-OF-WAY SHALL BE RESTORED IN ACCORDANCE WITH THE "VDOT LUP-OC DETAIL" AS SHOWN ON THIS SHEET. THE CONTRACTOR SHALL MILL & REPLACE PAVEMENT AS SHOWN ON PLAN SHEETS (4-7). MILL & REPLACE SHALL BE 8' WIDTHS WHERE POSSIBLE. THE YELLOW ROAD CENTERLINE PAVEMENT MARKING SHALL REMAIN UNDISTURBED. THE WHITE EDGELINE PAVEMENT MARKING SHALL REMAIN UNDISTURBED WHERE POSSIBLE. PRIOR TO FINAL PAVEMENT RESTORATION, ALL OPEN CUTS SHALL BE TEMPORARILY PATCHED IN ACCORDANCE WITH THE "TEMPORARY PAVEMENT RESTORATION DETAIL" AS SHOWN ON THIS SHEET. PRIOR TO TEMPORARY PAVEMENT RESTORATION OR FINAL PAVEMENT RESTORATION, THE CONTRACTOR SHALL PROVIDE AN ADEQUATELY COMPACTED STONE SURFACE IN ALL AREAS AT THE END OF EACH DAY OR PRIOR TO REMOVING TEMPORARY TRAFFIC CONTROL MEASURES DURING THE WORK DAY. THE CONTRACTOR SHALL MAINTAIN THE COMPACTED STONE SURFACE AS AN ADEQUATE DRIVING SURFACE (FREE OF POT HOLES, RILLS, DEPRESSIONS, HUMPS, ETC.) AT ALL TIMES. THE CONTRACTOR SHALL FOLLOW THE RESTORATION REQUIREMENTS OF VDOT LAND USE PERMIT LUP-OC DETAIL ON THIS SHEET.



Lic. No. 50119
8/28/23

Date				
Revisions				
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Drawn By: BAD
Designed By: RPK
Checked By: RPK
Date: 8/28/2023

Mattern & Craig

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DETAILS

Vertical Scale: N/A

Horizontal Scale

4230A

9