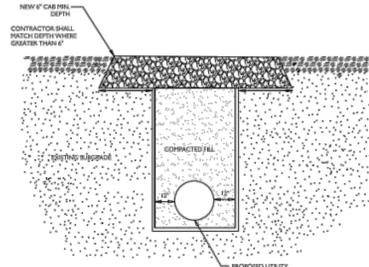


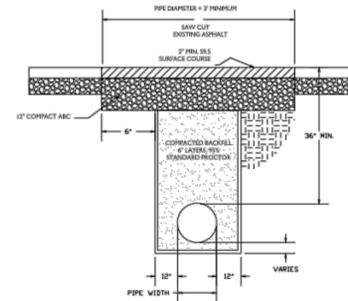
NOTES:
 1. MINIMUM BURY DEPTH FOR ALL FORCE MAINS AND GRAVITY LINES IS 36" UNLESS SPECIFICALLY ALLOWED BY THE ENGINEER. ALL LINES SHALLOWER THAN 36" MUST GIVE CONSIDERATION TO USING HIGHER PRESSURE AND THICKNESS CLASSES OF PIPE.
 2. ALL LINES TO BE BEDDED IN 6" OF 57 STONE MINIMUM. FOR LINES INSTALLED BELOW THE WATER TABLE 57 STONE SHOULD EXTEND TO THE SPRING LINE OF THE PIPE AT A MINIMUM.
 3. THE USE OF 57 STONE BEDDING AND BACKFILL SHOULD BE COMPENSATE WITH THE CONDITIONS IN THE TRENCH. THE CONTRACTOR IS RESPONSIBLE FOR PROPER BEDDING AND BACKFILLING TO INSURE PIPE STABILITY AND UNIFORM GRADE.

PSD NO. 9 - PIPE TRENCH AND BEDDING DETAIL
 NOT TO SCALE



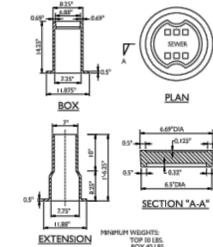
NOTES:
 1. THE REPAIRED STONE SHALL CONSIST OF ABC MATERIAL, COMPACTED TO A DENSITY EQUAL TO 100% OF THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH ASPROD 148 AS PROVED BY PROCTOR.

PSD NO. 10 - GRAVEL DRIVEWAY REPAIR DETAIL
 NOT TO SCALE



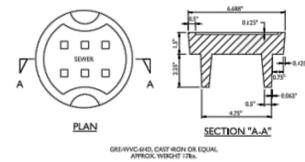
NOTES:
 1. THE PAVEMENT SHALL BE FINISHED BY A STRAIGHT EDGE, PREFERABLY A MACHINED SAW CUT.
 2. THE TRENCH SUBGRADE MATERIAL SHALL BE BACKFILLED WITH DRY SOIL OR ABC STONE USING MINIMUM 4" LAYS TO WITHIN 4" OF THE ROAD SURFACE. THE BACKFILL SHALL BE COMPACTED PER ASTM D698 TO A DENSITY OF 95% OF THE STANDARD PROCTOR DENSITY.
 3. WITHIN ROADWAY MAINTAINED BY NCDOT, THE TRENCH SHALL BE BACKFILLED AND COMPACTED USING ROADWELL FILL OR ABC STONE TO WITHIN 4" OF THE ROAD SURFACE. WHERE ABC STONE IS USED IT SHALL BE COMPACTED TO A DENSITY OF AT LEAST 90% OF THAT OBTAINED BY PROCTORING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH ASPROD 148 AS PROVED BY PROCTOR.
 4. THE FINAL 1" OF FILL SHALL CONSIST OF ABC MATERIAL, COMPACTED TO A DENSITY EQUAL TO THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH ASPROD 148 AS PROVED BY PROCTOR. UNIFORMITY AND OR OTHERS MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.
 5. THE ENTIRE THICKNESS/VERTICAL EDGE OF THE CUT SHALL BE TRACKED.
 6. THE SAME DEPTH OF PAVEMENT MATERIAL, WHICH EXISTS SHALL BE REINSTALLED, BUT IN NO CASE SHALL THE ASPHALT BE LESS THAN 2" THICK.
 7. THE ASPHALT PAVEMENT MATERIAL SHALL BE INSTALLED AND COMPACTED THOROUGHLY TO ACHIEVE A SMOOTH LEVEL PATCH.

PSD NO. 11 - ASPHALT PAVING REPAIR DETAIL
 NOT TO SCALE

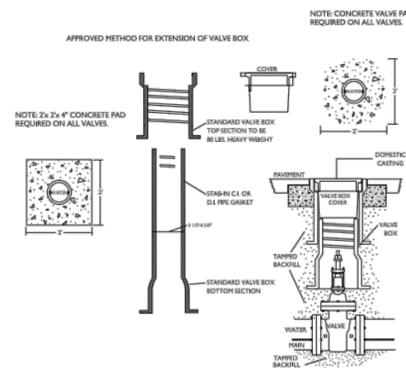


NOTE:
 VALVE BOX LID NOT FOR USE IN ROADWAY LOCATIONS. HEAVY DUTY LID REQUIRED. SEE SD 148E.

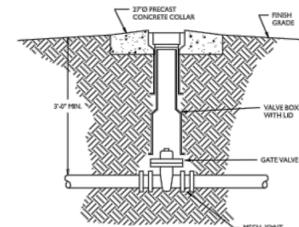
PSD NO. 12 - CAST IRON VALVE BOX DETAIL
 NOT TO SCALE



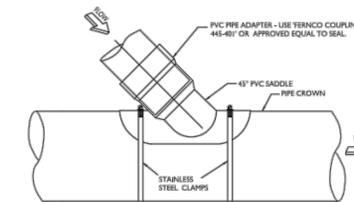
PSD NO. 13 - HEAVY DUTY CAST IRON VALVE BOX LID DETAIL
 NOT TO SCALE



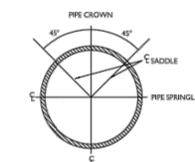
PSD NO. 14 - VALVE BOX INSTALLATION AND EXTENSION DETAIL
 NOT TO SCALE



PSD NO. 15 - GATE VALVE DETAIL
 NOT TO SCALE



BACKFILL UNDER PVC SADDLE, ADAPTOR, AND PIPE BEND WITH 57 STONE AS SHOWN ON PIPE EMBEDMENT DETAIL.



NOTE:
 USE AT DEPTHS FROM 3 TO 6 FEET

PSD NO. 16 - SADDLE INSTALLATION DETAIL
 NOT TO SCALE

STANDARD DETAILS SHEET B

PLURIS, LLC

REV. NO.	DESCRIPTIONS	DATE
1	BLAKE FARM SF-1 PHASE 1B, 2, and 3 LOTS SUBMITTAL TO PENDER TRC AND PERMITTING AGENCIES	05/13/2016
2	REVISIONS	

FINAL PLANS
 DO NOT USE FOR
 CONSTRUCTION

PLURIS, LLC
 05/13/2016

MCKIM & CREED
 243 North Front Street
 Wilmington, North Carolina 28401
 Phone: (910)343-1048, Fax: (910)251-8282
 NC LIC. No. F-1222
 www.mckimcreed.com

Trask Land
 CO INC
 1202 Eastwood Road
 Wilmington, NC 28403
 (910) 799-8755

BLAKE FARM SF-1 SUBDIVISION
 TOPSAIL TOWNSHIP
 PENDER COUNTY NORTH CAROLINA
UTILITY DETAILS

DATE:	13 MAY 2016
MCE PROJ. #	06525-0004
DRAWN	RMC, MAB, CDN
DESIGNED	RMC, MAB, CDN
CHECKED	RMC, RAM, NJL
PROJ. MGR.	RMC

SCALE	CUSTOMER NUMBER
HORIZONTAL:	CU504
VERTICAL:	DRAWING NUMBER
	60
STATUS:	REVISION
FINAL PLANS	A
NOT FOR CONSTRUCTION	

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