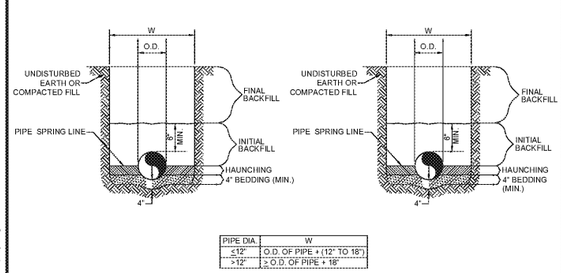


PIPE DIA.	W
≤12"	O.D. OF PIPE + (12" TO 18")
>12"	> O.D. OF PIPE + 18"

WATER LINE
N.T.S.

SANITARY SEWER
N.T.S.

GENERAL NOTES

1. BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR.
2. HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
3. INITIAL BACKFILL SHALL BE CLASS II WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
4. INITIAL BACKFILL UNDER PAVED AREAS SHALL BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
5. FINAL BACKFILL SHALL BE CLASS II OR III COMPACTED AS NOTED IN NOTES 3 & 4.
6. FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
7. SOIL MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM D 2487.
8. ALL MATERIAL SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED AT OPTIMUM MOISTURE CONTENT.
9. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
10. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

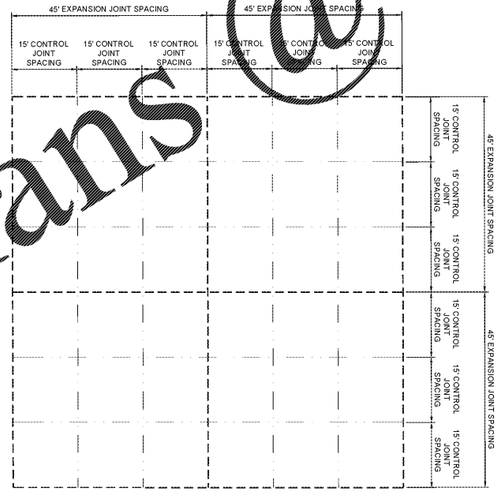
3 **UTILITY TRENCH AND BEDDING**
N.T.S.

PROPOSED

CONTROL JOINT

EXPANSION JOINT

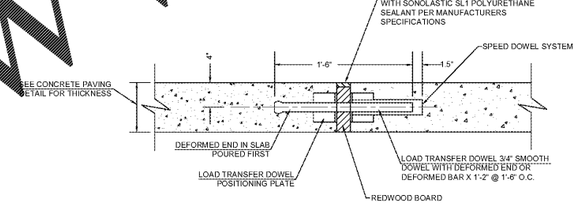
NOTE: CONTRACTOR TO FIELD ADJUST JOINTS BASED UPON SITE CONDITIONS



TYPICAL JOINT LAYOUT

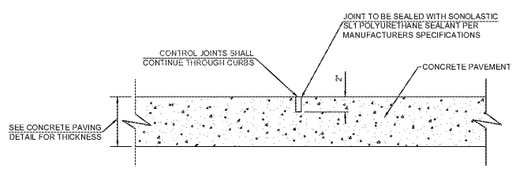
2 **TYPICAL PAVING JOINT DETAIL**
N.T.S.

ALL EXPANSION JOINTS TO BE SEALED WITH SONOLASTIC SL1 POLYURETHANE SEALANT PER MANUFACTURERS SPECIFICATIONS



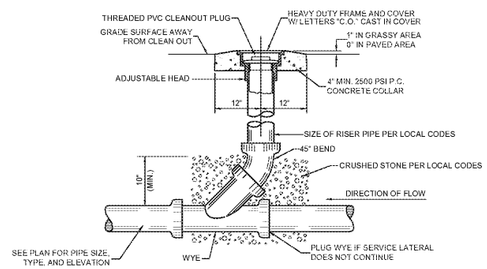
PAVEMENT EXPANSION JOINT

NOTE: CONTROL JOINTS SHALL BE SAW CUT WITHIN 24 HOURS OF CONCRETE PLACEMENT - REINFORCEMENT LAPS SHALL NOT BE LOCATED WITHIN 3 FEET OF CONTROL JOINTS

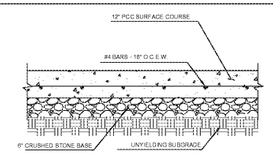


PAVEMENT CONTROL JOINT

NOTE: SEE UTILITY TRENCH AND BEDDING DETAIL FOR BACKFILL AND BEDDING INSTRUCTIONS.



4 **SANITARY SEWER CLEAN-OUT**
N.T.S.



HEAVY DUTY

NOTES:

1. NO GEOTECH REPORT WAS AVAILABLE AT THE TIME OF THIS DESIGN. THE ABOVE DETAIL IS FOR REFERENCE ONLY. CONTRACTOR TO MATCH EXISTING PAVEMENT SECTION AND TO NOTIFY THE ENGINEER OF RECORD IF THE EXISTING PAVEMENT SECTION DIFFERS FROM THE ABOVE DESIGN.
2. PAVEMENTS AND SUBGRADES INCLUDING MATERIALS & COMPACTION SHALL MEET STANDARDS & SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION.
3. CONCRETE IS TO BE 4000 PSI.

1 **CONCRETE PAVING DETAIL**
N.T.S.

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LIGHT MECHANICAL
SERVICE ADDITION

PROJECT NUMBER: 03-18-20613

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Travel Stop & Country Stores

COMMONWEALTH OF VIRGINIA
DANIEL RYAN GILL
Lic. No. 54699
PROFESSIONAL ENGINEER

Daniel Ryan Gill
Digitally signed by Daniel Ryan Gill
Date: 2018.10.24 10:02:58-05'00'

ISSUE BLOCK		
	OTP	10-25-18

STORE NO.	613
DOCUMENT DATE:	10/25/18
CHECKED BY:	DRG
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PROTO CYCLE:	

DETAIL SHEET

SHEET:
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Oct 24, 2018 - 9:03am - User: sarah.bryant
L:\03\03-18-20613 Loves - Meadowview, VA 613\CIVIL\Construction Documents Folder\2018-10-17 (OTP)\ 03-18-20613 proj.dwg