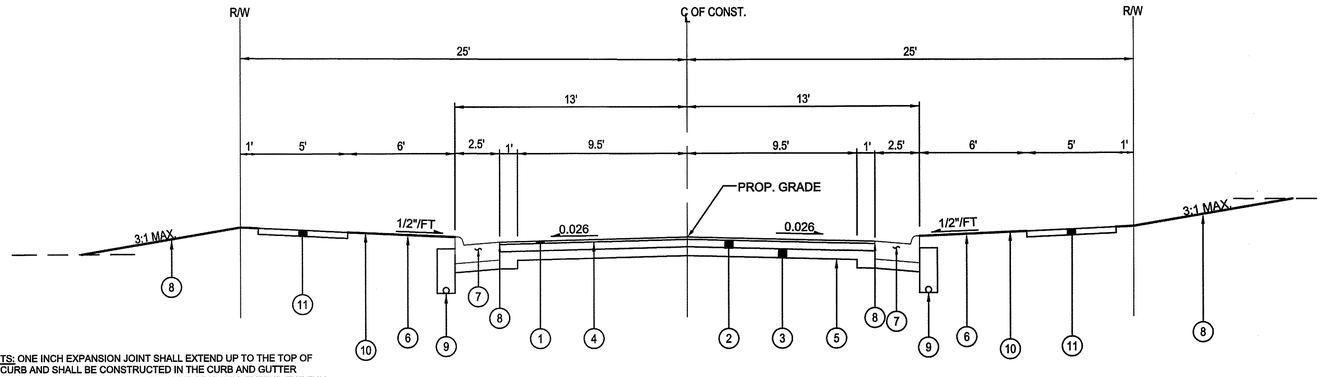


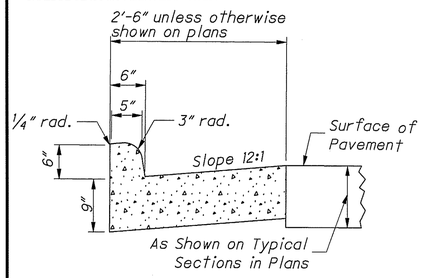
TYPICAL SECTION

WOOD FERN DR.

JOINTS: ONE INCH EXPANSION JOINT SHALL EXTEND UP TO THE TOP OF THE CURB AND SHALL BE CONSTRUCTED IN THE CURB AND GUTTER SECTION IN SUCH A MANNER THAT THE JOINT SEAL WILL EXTEND THE FULL WIDTH OF THE GUTTER AND INTO THE CURB FACE A SUFFICIENT DISTANCE TO SEAL THE JOINT TO AN ELEVATION OF AT LEAST 2" ABOVE THE FLOW LINE OF THE GUTTER. DOWEL BARS SHALL BE USED IN THE CURB AND GUTTER SECTION AT EXPANSION JOINTS.
ALL JOINTS SHALL BE CONSTRUCTED PERPENDICULAR TO THE EDGE OF THE CURB.
TRANSVERSE EXPANSION JOINT MATERIAL SHALL MEET THE REQUIREMENTS OF ITEM 705.03.

GUTTER PLATE THICKNESS: THICKNESS OF THE GUTTER PLATE "T" SHALL BE 9" UNLESS OTHERWISE SHOWN ON THE PLANS. TOLERANCES IN THE DIMENSIONS ARE AS FOLLOWS: CURBS: -1/32" TO +1/4", GUTTERS 0 TO +1/2".

CONCRETE: ALL CONCRETE USED FOR CURB AND/OR CURB AND GUTTERS SHALL BE CLASS MS FIBER REINFORCED.

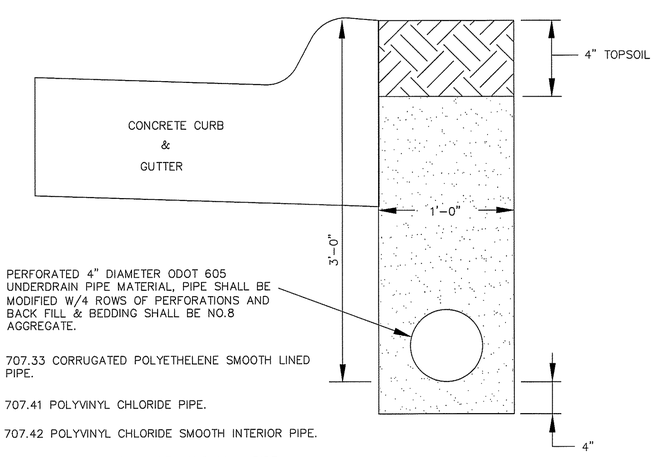


ITEM 609-CURB, TYPE 2 (O.D.O.T.)

SCALE: NONE

PROPOSED LEGEND

1. ITEM 441-1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22
2. ITEM 301-5" ASPHALT CONCRETE BASE
3. ITEM 304-6" AGGREGATE BASE
4. ITEM 407-TACK COAT (0.08 GAL./S.Y.)
5. ITEM 204-SUBGRADE COMPACTION AND PROOFROLLING*
6. ITEM 659-SEEDING AND MULCHING CLASS 1
7. ITEM 609-CURB, O.D.O.T. TYPE 2
8. ITEM 705-HOT APPLIED JOINT SEALER (REQUIRED)
9. ITEM 605-4" SHALLOW PIPE UNDERDRAINS
10. ITEM 653-3" TOPSOIL
11. 4" THICK SIDEWALK TO BE INSTALLED BY OTHERS



SUMMIT COUNTY ENGINEER UNDERDRAIN DETAIL

SCALE: NONE

*NOTES:

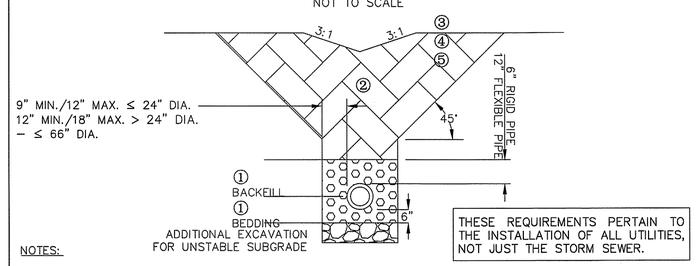
1. SHOULD ODOT ITEM 206 - CHEMICALLY STABILIZED SUBGRADE WANT TO BE CONSIDERED FOR USE ON THIS PROJECT, A MIX DESIGN IN CONFORMANCE WITH CURRENT ODOT SUPPLEMENT 1120 IS REQUIRED. NO CHEMICALLY STABILIZED SUBGRADE WORK SHALL COMMENCE ON-SITE UNTIL A MIX DESIGN HAS BEEN REVIEWED AND APPROVED BY THE SEC.

2. FOR ODOT ITEMS 301, 441, 451, AND 609, THE CONTRACTOR MUST SUBMIT AN ODOT APPROVED JMF TO THE SUMMIT COUNTY ENGINEER FOR REVIEW AND APPROVAL AT THE PRE-CONSTRUCTION MEETING. ALL PROPOSED MATERIALS MUST BE OBTAINED FROM A SOURCE APPROVED BY ODOT. FOR ODOT ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, THE COURSE AGGREGATE IN THE MIX SHALL BE CRUSHED LIMESTONE. THE SURFACE COURSE SHALL BE CONSTRUCTED NO LATER THAN ONE (1) YEAR AFTER ODOT ITEM - 301 HAS BEEN PLACED.

3. THE PROPOSED SIDEWALK PARALLEL TO BLOCK A (SWM EASEMENT) ON THE SOUTH SIDE OF WOOD FERN DRIVE IS REQUIRED TO BE CONSTRUCTED WITH THE SITE IMPROVEMENTS.

SCE TRENCH DETAIL
BACKFILL AND COMPACTION REQUIREMENTS

NOT TO SCALE



NOTES:

① CRUSHED STONE AGGREGATE No. 67, THROUGHLY COMPACTED (NO SLAG OR RECYCLED CONCRETE).

② TRENCH BACKFILL:

INSTALLATION UNDER PAVEMENT – SHALL BE INSTALLED IN ACCORDANCE WITH O.D.O.T. ITEM 304 AGGREGATE BASE. SLAG MATERIAL OR RECYCLED CONCRETE IS NOT PERMITTED.

INSTALLATION WITHIN A 45° (DEGREE) INFLUENCE LINE FROM THE PAVEMENT EDGE – SHALL BE INSTALLED IN ACCORDANCE WITH O.D.O.T. ITEM 304 AGGREGATE BASE. SLAG MATERIAL OR RECYCLED CONCRETE IS NOT PERMITTED.

THE COUNTY ENGINEER MAY CONSIDER THE USE OF OTHER MATERIALS UNDER SPECIAL CONDITIONS. A WRITTEN REQUEST, INCLUDING EVIDENCE THAT THE REPLACEMENT MATERIAL WILL BE SUITABLE FOR BACKFILL MUST BE SUBMITTED FOR APPROVAL.

COMPACTION REQUIREMENTS:

(a) UNDER PROPOSED PAVEMENT

BACKFILL MATERIAL SHALL BE O.D.O.T. ITEM 304 AGGREGATE BASE COMPACTED TO AT LEAST 98% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY WITH THE MATERIAL'S MOISTURE CONTENT ADJUSTED TO WITHIN ±1–2% OF THE OPTIMUM PRIOR TO COMPACTION.

(b) NOT UNDER PROPOSED PAVEMENT BUT WITHIN A 45° (DEGREE) INFLUENCE FROM THE EDGE OF PAVEMENT

BACKFILL MATERIAL SHALL BE O.D.O.T. ITEM 304 AGGREGATE BASE COMPACTED TO AT LEAST 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY WITH THE MATERIAL'S MOISTURE CONTENT ADJUSTED TO WITHIN ±1–2% OF THE OPTIMUM PRIOR TO COMPACTION.

(c) WITHIN THE R/W BUT NOT UNDER PAVEMENT OR WITHIN THE 45° (DEGREE) INFLUENCE LINE

BACKFILL OR FILL MATERIAL MUST BE COMPACTED TO AT LEAST 85% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY WITH THE MATERIAL'S MOISTURE CONTENT ADJUSTED TO WITHIN ±1–2% OF THE OPTIMUM PRIOR TO COMPACTION.

(d) IN DEPTHS OVER 8 FEET AND WHEN COMPACTING WITH A HOE–PAC OR EQUAL HYDRAULIC COMPACTOR, THE CONTRACTOR MAY INSTALL THE FIRST LIFT UP TO 3 FEET IN DEPTH BEFORE COMPACTING. SUBSEQUENT LIFTS SHALL BE COMPACTED AS PER THE ABOVE.

③ O.D.O.T. ITEM 653 – 2" TOPSOIL FURNISHED AND PLACED

④ O.D.O.T. ITEM 659 – SEEDING & MULCHING, CLASS 1

⑤ O.D.O.T. ITEM 659 – FERTILIZER

REVISED: FEBRUARY 20, 2015

NW NE SW SE N

VERTICAL IN FEET 0 2 4

HORIZONTAL SCALE IN FEET 0 2 4

CHECKED BY: KAD
DATE: Feb, 2021
DRAWN BY: BMH
DATE: Feb, 2021

REVISIONS: DESCRIPTION | DATE

Meadows of Wintergreen Phase 3
Typical Section
Township of Springfield
Summit County, Ohio

CIVPRO ENGINEERING
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1450 BOSTON ROAD, SUITE 1, AKRON, OHIO 44319
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DRAWING NAME: SHT5-Typ.DWG
PROJECT NUMBER: