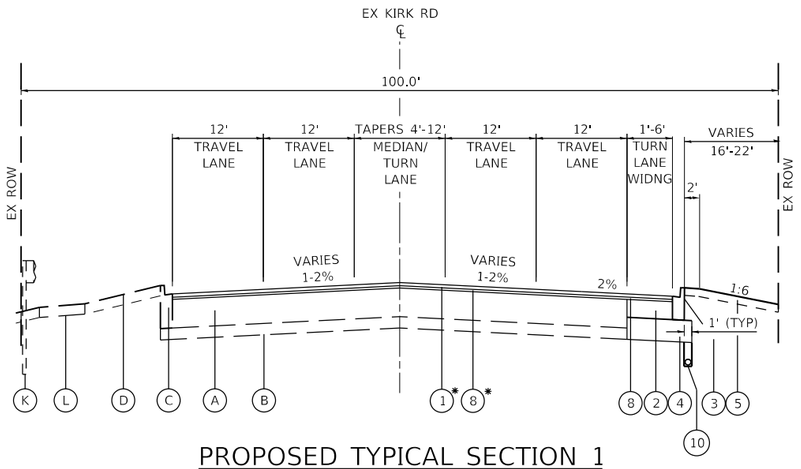
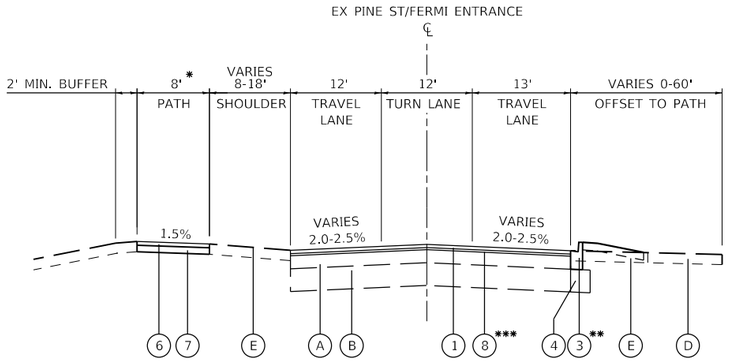


PROPOSED TYPICAL SECTION 1

KIRK ROAD
STA. 120+56.87 TO STA. 126+22.74
(SOUTH OF PINE STREET)

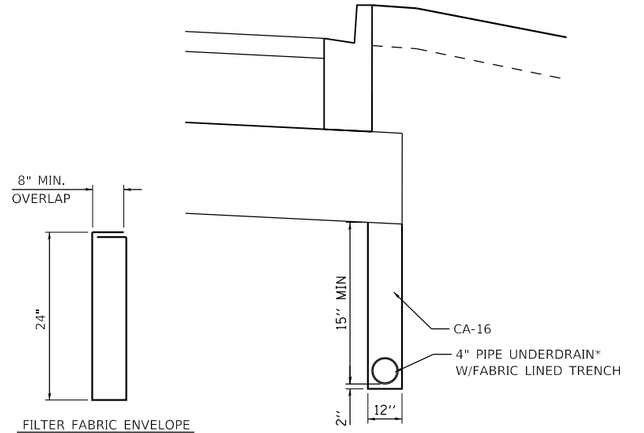
* THE ENTIRE SURFACE, EOP TO EOP, SHALL HAVE NEW SURFACE AND LEVELING COURSES LIMITS STA. 120+56.87 TO STA. 129+35.13



PROPOSED TYPICAL SECTION 3

PINE STREET/FERMILAB ENTRANCE ROAD
STA. 55+81.47 TO STA. 57+87.81

* PROPOSED PATH LIMITS STA. 57+30.00 TO 58+03.00 (PATH REALIGNMENT)
** PROPOSED COMB. CURB AND GUTTER STA. 57+62.00 TO 57+87.81
*** THE ENTIRE SURFACE, EOP TO EOP, SHALL HAVE NEW SURFACE AND LEVELING COURSES LIMITS STA. 55+87.47 TO STA. 57+87.81



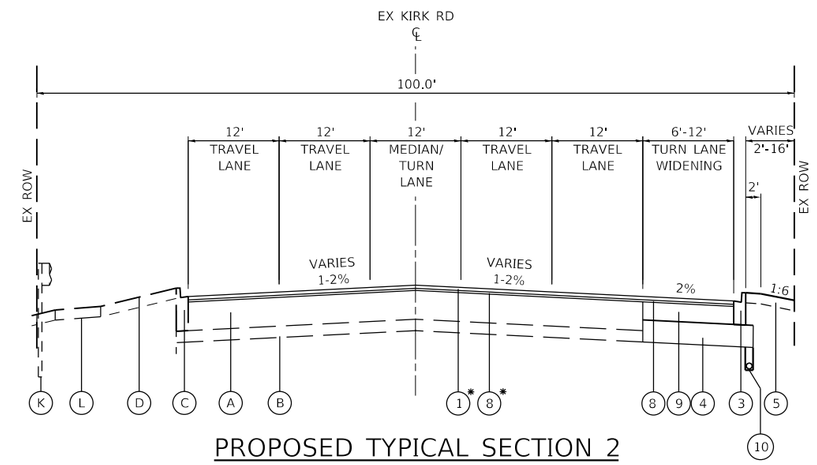
* PERFORATED CORRUGATED PE PIPE

PIPE UNDERDRAIN DETAIL

KIRK ROAD
STA. 122+00.00 TO STA. 128+29.40

EXISTING LEGEND

- (A) HMA PAVEMENT STRUCTURE
  - KIRK ROAD 18"
  - PINE STREET 9 3/4"
  - FERMILAB ENTR 12"
- (B) CRUSHED STONE SUBBASE
  - KIRK ROAD 6"
  - PINE STREET 12"
  - FERMILAB ENTR 6"
- (C) COMBINATION CURB AND GUTTER, TYPE B-6.12
- (D) EXISTING GROUND
- (E) AGG. SHOULDER
- (F) COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (G) PAVEMENT REMOVAL (44000100)
- (H) EARTH EXCAVATION (20200100)
- (I) BIKE PATH REMOVAL (X0327036)
- (J) HMA SURFACE REMOVAL 2 1/2" (44000159)
- (K) EXIST. GUARDRAIL (TO REMAIN)
- (L) HMA PATH (TO REMAIN)



PROPOSED TYPICAL SECTION 2

KIRK ROAD
STA. 126+22.74 TO STA. 128+61.60
(SOUTH OF PINE STREET)

* THE ENTIRE SURFACE, EOP TO EOP, SHALL HAVE NEW SURFACE AND LEVELING COURSES LIMITS STA. 120+56.87 TO STA. 129+35.13

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
KIRK ROAD - RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80, 1 3/4"	3.5% @ 80 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.
KIRK ROAD - PAVEMENT WIDENING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80, 1 3/4"	3.5% @ 80 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0 mm) 9 1/2" (2 1/4" MIN.)	4% @ 90 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING, (HMA BINDER IL-19.0 mm) 9 1/2" (2 1/4" MIN.)	4% @ 90 GYR.
HMA PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm), (2 1/4" MIN.)	4% @ 70 GYR.
HMA BIKE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 3"	4% @ 50 GYR.
TEMPORARY RAMP	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% @ 70 GYR.

⚠ THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

⚠ THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22".

THE AC TYPE FOR NON-POLYMERIZED HMA SHALL BE "PG64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

PROPOSED LEGEND

1. 1 3/4" - POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80 (X4060004) ⚠
2. HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/2" (35600714) (WIDTH ≤ 6 FT)
3. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
4. AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
5. TOPSOIL FURNISH AND PLACE, 4" (21101615)
6. 3" - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (40603335)
7. SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)
8. 3/4" - POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (40600827)
9. HOT-MIX ASPHALT BASE COURSE, 9 1/2" (35501322) (WIDTH > 6 FT)
10. PIPE UNDERDRAINS, TYPE 2, 4" (60108204)

WBK engineering
WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = rsikes	DESIGNED - RMS	REVISED - 10-17-2018 ⚠	
	DRAWN - RMS	REVISED -	
PLOT SCALE = 1:10	CHECKED - MNB	REVISED -	
PLOT DATE = 10/17/2018	DATE - 8/16/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KIRK AT PINE INTERSECTION IMPROVEMENTS
TYPICAL SECTIONS

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	15-00342-01-CH	KANE	42	8
		CONTRACT NO.61E75		
	ILLINOIS	FED. AID PROJECT X		

FILE NAME = W:\Projects\2017\170286 Kirk+PinePhII\cadd\CivilData\Shts\170286-TYP_02.dgn