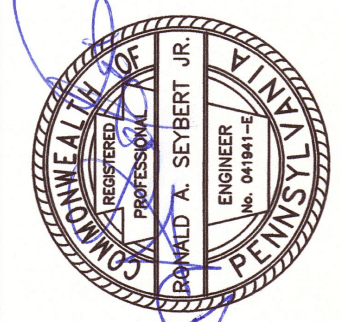


FERGUSON TOWNSHIP
DEPT. OF PUBLIC WORKS & ENGINEERING
3147 RESEARCH DRIVE
STATE COLLEGE, PA. 16801
PHONE: 814-238-4651
FAX: 814-238-3454
www.twp.ferguson.pa.us

[illegible]

ROAD IMPROVEMENT PROJECT
KANSAS AVENUE
CONTRACT 2017-C1

COVER

DESIGNED BY: RTS
DRAWN BY: RTS
CHECKED BY: RAS
DATE: 02-08-2019
PATH: v:\Public Works\PWStaff\Capital Projects\
2017 Projects\2017-C1 Kansa Avenue.dwg

5

1. OWNER: FERGUSON TOWNSHIP
3147 RESEARCH DRIVE
STATE COLLEGE, PA 16801
(814) 238-4651

- ### UTILITY NOTES

- CONSTRUCTION NOTES:

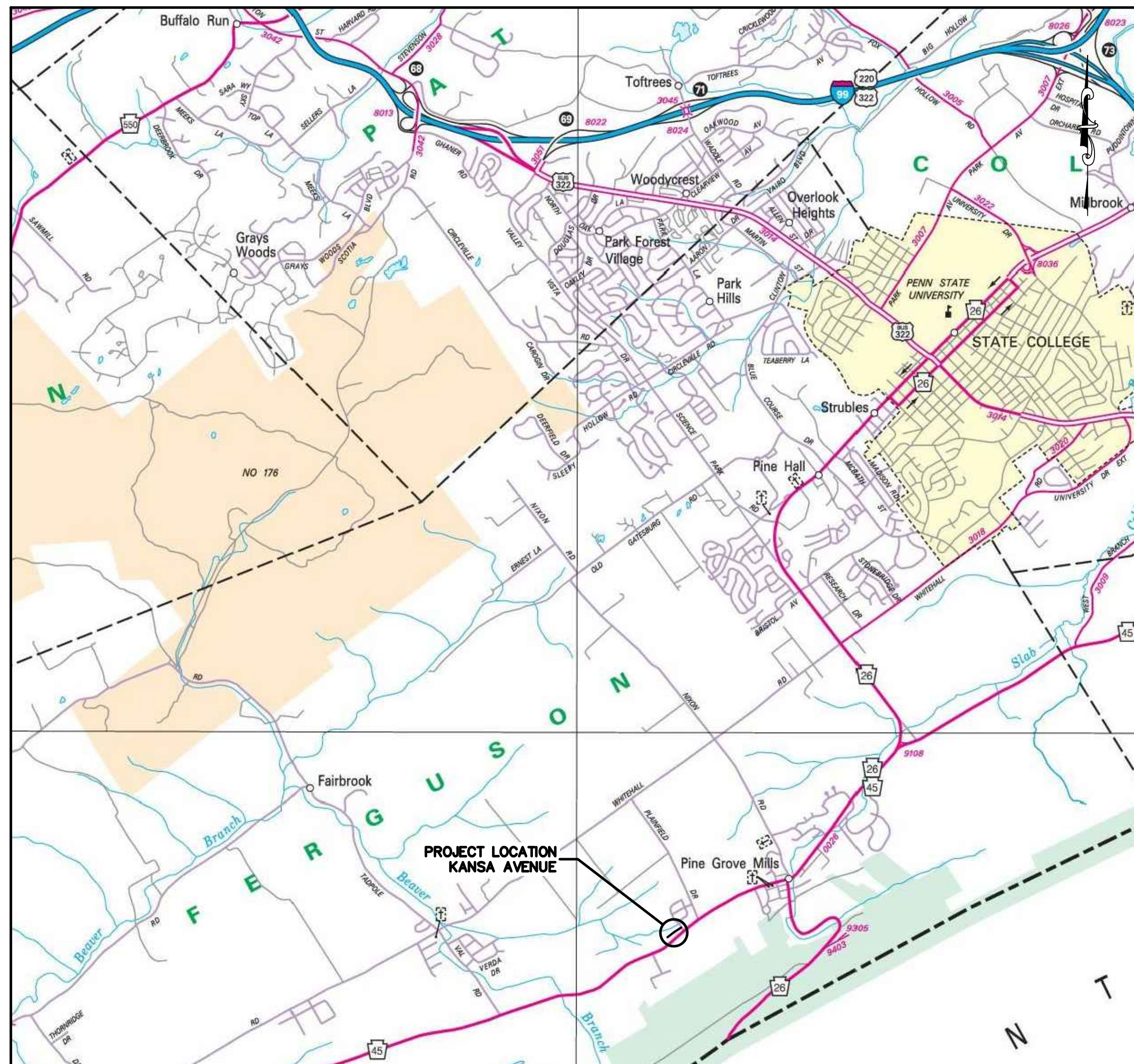
- TRAFFIC CONTROL NOTES:

1. MAINTAIN TRAFFIC IN ACCORDANCE WITH THE LATEST EDITION OF PENNDOT PUBLICATION 213M (67 PA CODE, CH. 212) WORK ZONE TRAFFIC CONTROL GUIDELINES.
2. PROVIDE FLAGGERS AT INTERSECTION DURING LANE CLOSURES.
3. ROAD CLOSURES SHALL NOT BE PERMITTED, ONE LANE SHALL BE ACCESSIBLE TO TRAFFIC AT ALL TIMES.
4. SHORT-TERM WORK ZONE TRAFFIC CONTROL SHALL BE REMOVED AT THE END OF EACH WORK DAY.
5. DO NOT HAVE TRAVEL LANE DROP-OFFS/OPEN EXCAVATIONS DURING NON-WORKING HOURS.
6. THE POSTED SPEED LIMIT ON KANSAS AVENUE AND WYOMING AVENUE IS 25 MPH.
7. PROVIDE REFLECTIVE FENCING WITH DELINEATION DEVICES AROUND AREAS OF OPEN EXCAVATION TO DELINEATE FOR PEDESTRIAN TRAFFIC.
8. PROVIDE CANALIZING DEVICES AS NEEDED TO CLEARLY DELINEATE TRAVEL LANE AND ACCESS TO DRIVEWAYS.
9. PROVIDE AN APPROPRIATE NUMBER OF FLAG PERSONS AS NEEDED BASED UPON LIMIT OF WORK AREA.

QTY	ITEM No. UNIT	DESCRIPTION
1	0201 0001 LS	CLEARING AND GRUBBING
128	0203 0001 CY	CLASS 1 EXCAVATION
27	0203 0004 CY	CLASS 1B EXCAVATION (BASE REPAIR)
255	0204 0150 CY	CLASS 4 EXCAVATION
87	0311 0324 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WM A BASE COURSE, PG 64-22, <0.3 M ESALS, 25.0 MM MIX, 5" DEPTH (BASE REPAIR)
87	0350 0106 SY	SUBBASE, 6" DEPTH (NO. 2A) (BASE REPAIR)
1747	0411 0385 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WM A WEARING COURSE, PG 64-22, <0.3 M ESALS, 9.5MM MIX, 1.5" DEPTH, SRL-L
49	0411 2395 TON	SUPERPAVE ASPHALT MIXTURE DESIGN, WM A WEARING COURSE (SCRATCH), PG 64-22, <0.3 M ESALS, 9.5MM MIX, SRL-L
3494	0460 0001 SY	BITUMINOUS TACK COAT
109	0601 0352 LF	15" THERMOPLASTIC PIPE, GROUP III, 8'-2" FILL

- | QTY | ITEM
No.
UNIT | DESCRIPTION |
|-----|---------------------|---|
| 491 | 4604
0352
LF | 15" PERFORATED THERMOPLASTIC PIPE, GROUP IIIIP, 8'-2" FILL (MODIFIED) |
| 92 | 4604
0353
LF | 18" PERFORATED THERMOPLASTIC PIPE, GROUP IIIIP, 8'-2" FILL (MODIFIED) |
| 7 | 0605
2781
EA | TYPE M FRAME AND BICYCLE SAFE GATE |
| 7 | 0605
2850
EA | STANDARD INLET BOX <=10' |
| 1 | 0608
0901
LS | MOBILIZATION |
| 1 | 0616
1251
EA | THERMOPLASTIC END SECTION FOR 15" PIPE |
| 64 | 0703
0025
CY | NO. 57 COARSE AGGREGATE |
| 129 | 0802
0001
CY | TOPSOIL FURNISHED AND PLACED |
| 596 | 0806
0100
SY | TEMPORARY ULTRA-SHORT-TERM, ROLLED EROSION CONTROL PRDUCT, TYPE 1A |
| 6 | 0808
3782
EA | NORWAY SPRUCE - (5HT, B&B) |

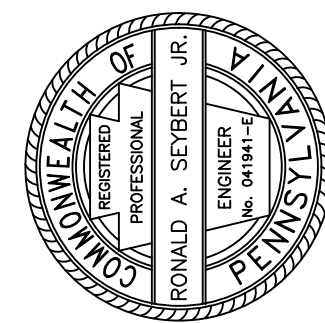
QTY	ITEM No. UNIT	DESCRIPTION
1	0810 0052 EA	SELECTIVE TREE REMOVAL
9	4851 0003 SY	ROCK APRON (MODIFIED)
8	0860 0000 EA	INLET FILTER BAG FOR TYPE M INLET
103	0867 0008 LF	COMPOST FILTER SOCK, 8" DIAMETER
1	0901 0001 LS	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION
667	9000 0001 SY	DRIVEWAY RESTORATION (2" DEPTH)
977	9000 0002 SY	SEEDING, SOIL SUPPLEMENTS AND MULCHING
10	9000 0003 EA	RESET MAILBOXES
596	9000 0004 SY	GRADING OF ROADSIDE SWALE



NOT TO SCALE

FERGUSON TOWNSHIP
DEPT. OF PUBLIC WORKS & ENGINEERING

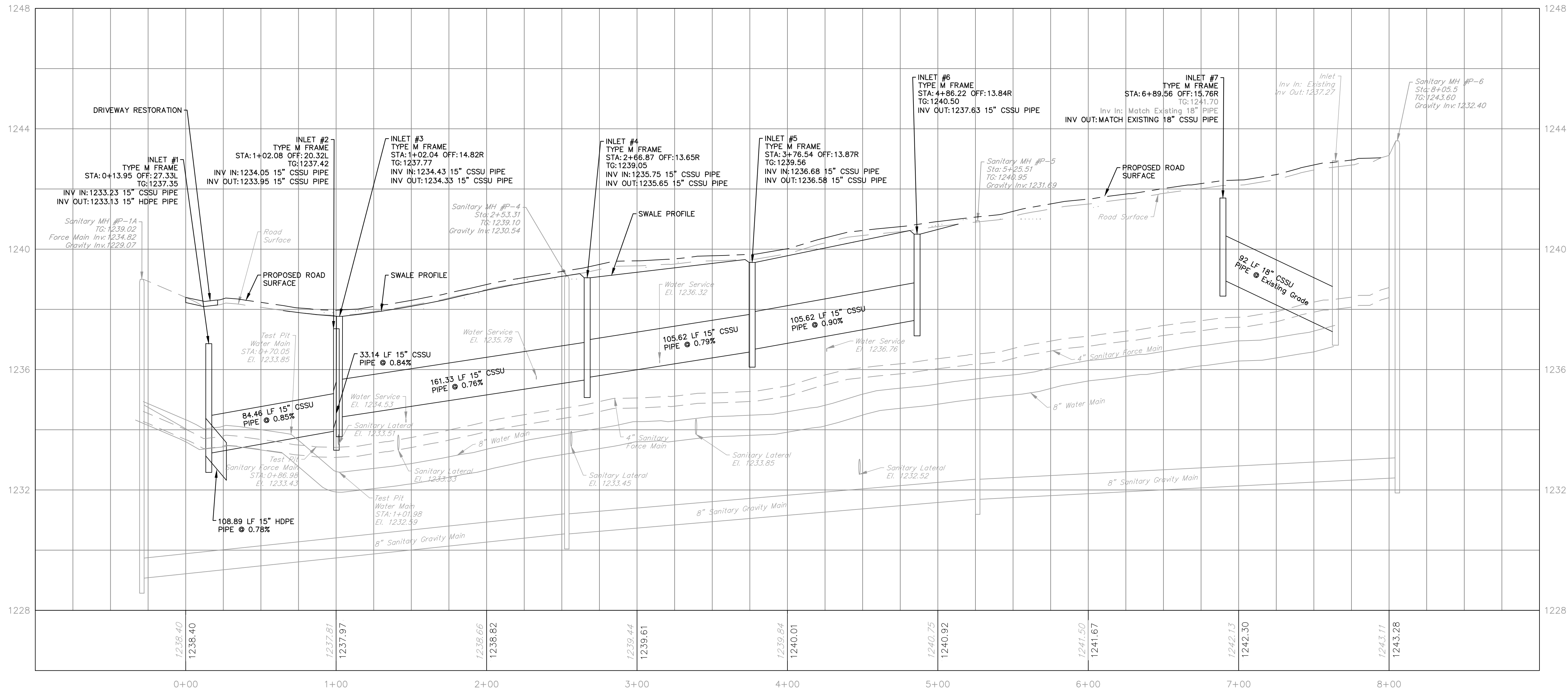
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ROAD IMPROVEMENT PROJECT
KANSAS AVENUE
CONTRACT 2017-C1

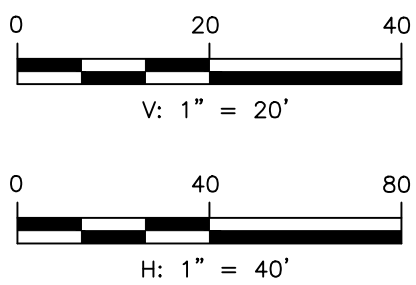
**GENERAL NOTES, PROJECT
LOCATION, SUMMARY OF
QUANTITIES**

DESIGNED BY: RTS
DRAWN BY: RTS
CHECKED BY: RAS
DATE: 02-08-2019
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KANSA AVENUE PROFILE

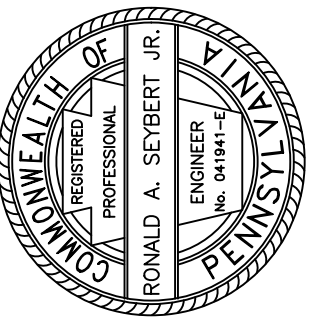
- NOTES:
- FERGUSON TOWNSHIP ASSUMES NO LIABILITY FOR LOCATION OF EXISTING UTILITIES SHOWN ON PLANS. AS LOCATIONS ARE APPROXIMATE, UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO STARTING WORK.
 - SEWER LATERALS ASSUMED TO BE 6 INCH.
 - SANITARY FORCE AND WATER MAINS ARE SHOWN ON THE PROFILE WITH THE DEPTH BELOW GROUND SURFACE FOUND DURING TEST PIT ACTIVITIES.
 - WATER SERVICE CONFLICTS TO BE RESOLVED BY UTILITY PRIOR TO NOTICE TO PROCEED.



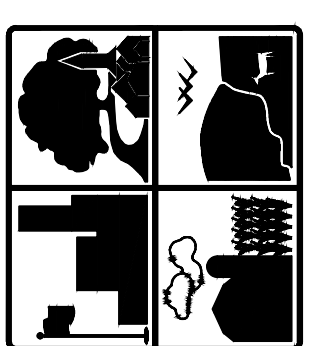
ROAD IMPROVEMENT PROJECT
KANSA AVENUE
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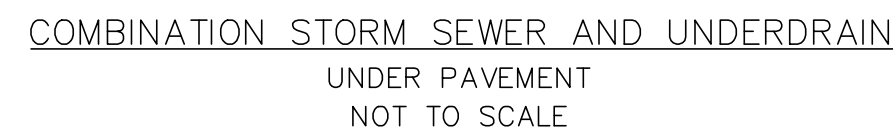
ROAD PROFILE

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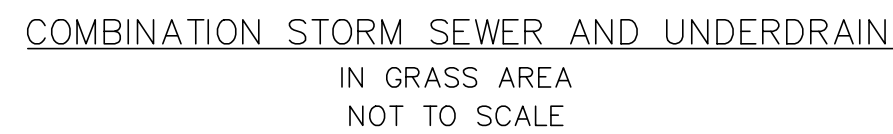


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- NOTE:
1. PLACE 2A STONE PIPE BEDDING MATERIAL
 2. PLACE PIPE WITH PERFORATIONS SYMMETRICALLY ABOUT THE VERTICAL CENTERLINE WITH PERFORATIONS FACING UP.
 3. PLACE 2A STONE IN 4" COMPACTED LIFTS TO ELEVATION OF PIPE PERFORATIONS.
 4. COMPLETE TRENCH BACKFILL WITH 2B STONE TO SUBBASE ELEVATION.



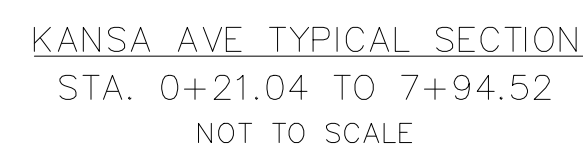
- NOTE:
1. PLACE 2A STONE PIPE BEDDING MATERIAL
 2. PLACE PIPE WITH PERFORATIONS SYMMETRICALLY ABOUT THE VERTICAL CENTERLINE WITH PERFORATIONS FACING UP.
 3. PLACE 2A STONE IN 4" COMPACTED LIFTS TO ELEVATION OF PIPE PERFORATIONS.
 4. COMPLETE TRENCH BACKFILL WITH EARTH MATERIAL OVER STONE FOR LAST 8 INCHES.



- NOTE:
1. LIMITS OF DRIVEWAY RESTORATION TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE TOWNSHIP.



- NOTE:
1. SAW CUT NEAT LINES DURING CONSTRUCTION.
 2. LIMITS OF BASE REPAIR TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE TOWNSHIP.
 3. TACK VERTICAL EDGES PRIOR TO PAVING.

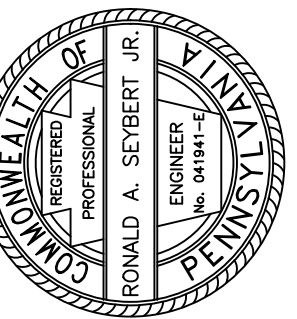


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ROAD IMPROVEMENT PROJECT
KANSAS AVENUE
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DETAILS & TYPICAL SECTION

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