

APPENDIX C9 - SAMPLE HOP CONSTRUCTION PLANS

The following pages offer sample construction plans. They have been included on their own sheets for ease of printing.

HIGHWAY OCCUPANCY PERMIT OPERATIONS MANUAL

Appendix C9 – Sample Construction Plans

PUB 282 (9-22) 04/2021

DISTRICT	COUNTY	TOWNSHIP	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
XX-0				XXXX	XXX	X

HIGHWAY OCCUPANCY PERMIT PLAN FOR (NAME OF PROJECT)

SR XXXX (LOCAL ROAD NAME)
(MUNICIPALITY), (COUNTY), PENNSYLVANIA

FROM STA. XXX+XX.XX TO STA. XXX+XX.XX LENGTH XXXX.XX FT. X.XXX MI.
FROM SEG. XXXX OFFSET XXXX TO SEG. XXXX OFFSET XXXX

EPS APPLICATION NUMBER XXXX
(NAME OF PROJECT)
STATE ROUTE XXXX (LOCAL ROAD NAME)
(MUNICIPALITY), PA (ZIP CODE)

SHOW A LOCATION MAP (PER PUB 14W, SECTION 2.3.C) AND PROVIDE THE FOLLOWING INFORMATION:

- LABEL ALL 2 & 3 DIGIT STATE ROUTES WITH "US" OR "PA" SHIELD AND "X" OR "XX"
- LABEL ALL 4 DIGIT STATE ROUTES AND LOCAL MUNICIPALITY ROADS WITH "SR XXXX" OR "Rt XXXX"
- LABEL NEARBY LOCAL ROADS WITHIN THE VICINITY OF THE PROJECT LOCATION
- LABEL ALL STREAMS, LAKES, RAILROADS, ETC. (IF APPLICABLE)
- LABEL ALL MUNICIPALITIES AND COUNTIES SHOWN
- LABEL LIMITS OF WORK AS FOLLOWS:
LIMIT OF WORK
STATION XXXX+XX.XX
SEG XXXX OFFSET XXXX
SR XXXX
(MUNICIPALITY)
(COUNTY)
- ADD NORTH ARROW

LOCATION MAP

APPROPRIATE SCALE BAR

LEGEND

- SHOW AT MINIMUM, THE FOLLOWING:
PROJECT LOCATION
STATE ROUTES
LOCAL ROADS
RIVERS/STREAMS
RAILROADS
DETOUR ROUTE (IF APPLICABLE)

DESIGN DESIGNATION - SR XXXX

HIGHWAY CLASSIFICATION - (CLASSIFICATION)
ROADWAY TYPOLOGY - (TYPOLOGY)
DESIGN SPEED - XX MPH
PAVEMENT WIDTH - XX'
SHOULDER WIDTH - XX'

TRAFFIC DATA

CURRENT A.D.T. - XXXX (ADD YEAR)
DESIGN YEAR A.D.T. - XXXX (ADD YEAR)
D.N.V. - XXX
D - XXX
T - XXX
TRUCK - XXX

DESIGNED BY: XXX DRAWN BY: XXX CHECKED BY: XXX

SHEET INDEX BLOCK	
DESCRIPTION	SHEET
TITLE SHEET	X
GENERAL NOTES	X
TYPICAL SECTIONS AND DETAILS	X
PLAN SHEET	X
PROFILE SHEET	X
SUPPLEMENTARY PLANS	
TRAFFIC CONTROL PLAN (AS NEEDED)	X TO X
SIGGING AND PAVEMENT MARKING PLAN (AS NEEDED)	X TO X
CROSS-SECTIONS	X TO X

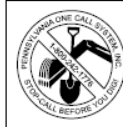
NOTE - INCLUDE ANY AND ALL SUPPLEMENTARY PLANS REQUIRED FOR PROJECT COMPLETION AND AS DISCUSSED DURING THE SCOPING PROCESS.

LIST OF PUBLIC UTILITIES

— X — (NAME OF UTILITY)
(ADDRESS)
(CONTACT NAME)
(PHONE NUMBER)
(EMAIL ADDRESS)

— X — (NAME OF UTILITY)
(ADDRESS)
(CONTACT NAME)
(PHONE NUMBER)
(EMAIL ADDRESS)

— X — (NAME OF UTILITY)
(ADDRESS)
(CONTACT NAME)
(PHONE NUMBER)
(EMAIL ADDRESS)



CALL BEFORE YOU DIG

PENNSYLVANIA LAW REQUIRES 3 TO 10 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE BASED ON PROJECT COMPLEXITY AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL 1-800-242-1176

THE PA ONE CALL NOTIFICATIONS PERFORMED DURING PROJECT DEVELOPMENT ARE AS FOLLOWS:

PRELIMINARY DESIGN SERIAL NO. (SERIAL NUMBER) ON (DATE) FOR (MUNICIPALITY)

FINAL DESIGN SERIAL NO. (SERIAL NUMBER) ON (DATE) FOR (MUNICIPALITY)

PREPARED BY:

(COMPANY NAME AND/OR LOGO)

(P.E. SEAL)

DATE:

HIGHWAY OCCUPANCY PERMIT OPERATIONS MANUAL

Appendix C9 – Sample Construction Plans

B-124-C-04
PLUTED-11/16/2022

GENERAL PERMIT NOTES:

1. THE EXISTING SPEED LIMIT ON S.R. XXXX IS XX M.P.H.
2. THE RIGHT-OF-WAY IS (LIMITED OR FREE) ACCESS.
3. ALL WORK ON PA STATE HIGHWAY RIGHT-OF-WAY IS TO BE PERFORMED CONSISTENT WITH THE FOLLOWING:
 1. PENNDOT PUBLICATION 13W, DESIGN MANUAL PART 2 - HIGHWAY DESIGN
 2. PENNDOT PUBLICATION NO. 14, APPROVED AGGREGATE PRODUCTION (BULLETIN 14)
 3. PENNDOT PUBLICATION NO. 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15)
 4. PENNDOT PUBLICATION NO. 41, PRODUCTION OF BITUMINOUS MATERIAL (BULLETIN 41)
 5. PENNDOT PUBLICATION NO. 42, PRODUCTION OF HEAVY-WEAR CONCRETE (BULLETIN 42)
 6. PENNDOT PUBLICATION NO. 43, TRAFFIC ENGINEERING MANUAL (BULLETIN 43)
 7. PENNDOT PUBLICATION NO. 72W, STANDARDS FOR ROADWAY CONSTRUCTION
 8. PENNDOT PUBLICATION NO. 111, PAVEMENT MARKINGS AND SIGNING STANDARDS
 9. PENNDOT PUBLICATION NO. 212, OFFICIAL TRAFFIC CONTROL DEVICES
 10. PENNDOT PUBLICATION NO. 213, TEMPORARY TRAFFIC CONTROL GUIDELINES
 11. PENNDOT PUBLICATION NO. 408, SPECIFICATIONS
4. THE DRIVEWAY HAS BEEN DESIGNED AND WILL BE CONSTRUCTED AND MAINTAINED CONSISTENT WITH TITLE 47, CHAPTER 641 REGULATIONS.
5. PA STATE HIGHWAY RIGHT-OF-WAY MAY NOT BE USED FOR PARKING.
6. PERMITTEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED STRUCTURES, FACILITIES, AND DRAINAGE.
7. PERMITTEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED SIGNS AND PAVEMENT MARKINGS.
8. THREE TO TEN WORKING DAYS PRIOR TO EXCAVATION BASED ON THE COMPLEXITY OF THE PROJECT, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INCLUDING PHONE 1-800-242-1774, SERIAL NO. LEAVE SLANG, FOR MUNICIPALITY. ADDITIONAL INFORMATION IS AVAILABLE AT <http://www.palocal1.org/PAS1/PAS110/>.
9. THE CONTRACTOR IS REQUIRED TO NOTIFY THE DEPARTMENT AND SUBMIT AN ALLEGED VIOLATION REPORT (AVR) TO THE PA PUBLIC UTILITY COMMISSION THROUGH THE PA ONE CALL SYSTEM, [WWW.PALOCAL1.ORG](http://www.palocal1.org), WITHIN TEN (10) BUSINESS DAYS AFTER A UTILITY LINE IS STRUCK, DAMAGED, OR PREVIOUS DAMAGE IS DISCOVERED AS REQUIRED BY PENNSYLVANIA'S UNDERGROUND UTILITY LINE PROTECTION LAW ACT 50 (P.L.L. 50), NO. 287 AMENDED OCT. 30, 2017).
10. DRIVEWAY IS CLASSIFIED AS (MINIMUM USE, LOW, MEDIUM, OR HIGH VOLUME).
 1. ANTICIPATED AVERAGE DAILY TRAFFIC (ADT) FOR THE PROPOSED ACCESS IS:
 - XXX CARS
 - XXX SINGLE UNIT TRUCKS AND COMBINATIONS
 12. ANTICIPATED DAILY TRIPS FOR THE PROPOSED ACCESS IS:
 - XXX CARS
 - XXX SINGLE UNIT TRUCKS AND COMBINATIONS
13. DISTANCE TO THE NEAREST INTERSECTION IS: RT. (DISTANCE) LT. (DISTANCE).
 DISTANCE TO THE NEAREST TRAFFIC SIGNAL IS: (DISTANCE) FEET.
 DISTANCE TO THE NEAREST OPPOSITE DRIVEWAY IS: RT. (DISTANCE) LT. (DISTANCE).
 DISTANCE TO THE NEAREST ADJACENT DRIVEWAY IS: RT. (DISTANCE) LT. (DISTANCE).
14. IF A TRAFFIC SIGNAL IS WITHIN 500 FEET OF THE SITE, CALL THE DISTRICT TRAFFIC ENGINEER AT (INSERT PHONE NUMBER) AT LEAST 3 DAYS PRIOR TO THE START OF WORK.
15. THIS PERMIT MAY BE RESTRICTED ON WORKING HOURS AND TIMES FOR HOLIDAYS, WEEKENDS, AND SPECIAL OR UNFORESEEN EVENTS AND WILL REQUIRE APPROVAL FROM THE COUNTY OFFICE PRIOR TO WORKING DURING THESE PERIODS.
16. THE PERMITTEE'S CONTRACTOR SHALL SAUCUT AND REMOVE SHOULDER MATERIAL AS NECESSARY TO ENSURE THE PAVEMENT REPLACEMENT IS ADJUNCT TO THE FULL-DEPTH PAVEMENT OF THE TRAVEL LANE.
17. FINAL APPROVAL OF THE PROPOSED SAUCUT LOCATION WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE AND WILL BE CONFIRMED AT THE PRE-CONSTRUCTION MEETING. IF THE SAUCUT MUST BE LOCATED WITHIN A TRAVEL LANE, IT WILL BE NECESSARY TO MILL AND OVERLAY THE TRAVEL LANE TO PREVENT A JOINT IN A WHEEL PATH.
18. THE PROPOSED PAVEMENT SECTION MUST BE AS INDICATED ON THE PLAN, OR MATCH THE EXISTING AS FOUND IN THE FIELD, WHICHEVER IS GREATER.
19. PRIOR TO AN OVERLAY, BITUMINOUS OR CONCRETE BASE REPAIR OR JOINT REPLACEMENT MAY BE REQUIRED. REPAIR/REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.
20. ALL EXISTING PAVEMENT MARKINGS WHICH ARE NO LONGER APPROPRIATE SHALL BE ERADICATED BY THE PERMITTEE. THE PERMITTEE SHALL PLACE ALL REQUIRED NEW PAVEMENT MARKINGS.
21. ALL PAVEMENT MARKINGS OTHER THAN LONGITUDINAL LINES TO BE HOT THERMOPLASTIC (PENNDOT PUBLICATION 111), TC-86000.
22. MATCH EXISTING PAVEMENT MARKINGS AT THE LIMITS OF WORK.
23. MATERIAL CERTIFICATION MUST BE PROVIDED, BY AN APPROVED MANUFACTURER LISTED IN THE DEPARTMENT'S PUBLICATION 35 (BULLETIN 15), FOR ALL MATERIALS AND STRUCTURES WITHIN PENNDOT RIGHT-OF-WAY.
24. THE PERMITTEE SHALL CONTACT THE COUNTY MAINTENANCE MANAGER AT THE TIME OF THE GUIDE RAIL REMOVAL. ALL EXISTING GUIDE RAIL TO BE REMOVED SHALL BE TRANSPORTED TO AND STORED AS PER THE DIRECTION FROM THE COUNTY MAINTENANCE MANAGER OR REPRESENTATIVE.
25. ALL PROPOSED PEDESTRIAN FACILITIES REFLECTED ON THESE PLANS, INCLUDING THOSE THAT ARE OUTSIDE OF PENNDOT LEGAL RIGHT-OF-WAY, SHALL BE CONSTRUCTED TO COMPLY WITH THE REQUIREMENTS OF THE U.S. ACCESS BOARD, PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES OF BUILDINGS (PROVIDE A COPY OF THE ACCESSIBILITY GUIDELINES OF BUILDINGS AND FACILITIES ADAAG). PENNDOT DESIGN MANUAL PART 2, CHAPTER 6, AND PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION (PENNDOT PUBLICATION 12W, RC-62)W PROVIDE GUIDANCE ON ADA ACCESSIBLE DESIGN FOR PEDESTRIAN FACILITIES AND CAN BE UTILIZED FOR REFERENCE.

DESIGNED BY XXX\DRAWN BY XXX CHECKED BY XXX

GENERAL PERMIT NOTES CONTINUED:

26. CONSTRUCT ALL PROPOSED PEDESTRIAN FACILITIES ON THESE PLANS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) AND THE 2010 ADA STANDARDS.
27. ALL SLOPE MEASUREMENTS WILL BE INSPECTED/VERIFIED WITH A 2-FOOT SMART LEVEL.
28. IT IS THE RESPONSIBILITY OF THE PERMITTEE TO REMOVE ANY DEBRIS AND PILING OUT ALL EXISTING AND NEW STORM DRAINAGE FACILITIES WITHIN THE PROJECT LIMITS AT THE COMPLETION OF THE CONSTRUCTION.
29. MODIFICATIONS TO EXISTING DRAINAGE STRUCTURES MAY RESULT IN THE NEED TO REPLACE THE STRUCTURE. REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.
30. STRUCTURAL STEEL BICYCLE SAFE GRATES MUST BE PROVIDED FOR ALL INLETS WITHIN THE ROADWAY PAVEMENT OR THOSE THAT MAY RECEIVE BICYCLE TRAFFIC (PENNDOT PUBLICATION 12W, RC-62)W.
31. THE RESPONSIBILITY FOR ENSURING THAT ALL UTILITY POLES WITHIN THE PROPOSED PAVING ARE ENCLOSED OUTSIDE OF PAVED AREAS AND SHOULDER SHALL BE THAT OF THE PERMITTEE. THE UTILITY POLES MUST BE RELOCATED BEFORE THE START OF ANY PAVING OPERATIONS.
32. THE PERMITTEE IS RESPONSIBLE FOR THE COORDINATION OF RELOCATING ANY CONFLICTING UTILITIES WHICH ARE A RESULT OF THESE IMPROVEMENTS.
33. ALL UTILITY RELOCATION PERMITS TAKE PRECEDENCE OVER THE UTILITY RELOCATION POSITIONS SHOWN ON THE SHOP PLANS.
34. (PROVIDE A LIST OF PUBLIC UTILITIES IN ACCORDANCE WITH ACT 287-1974. LIST THE NAME, ADDRESS WITH ZIP CODE, AND THE NAME, TITLE, AND TELEPHONE NUMBER OF THE APPROPRIATE UTILITY REPRESENTATIVE).
35. (A NOTE REFERENCING THE SPECIFIC PENNDOT PLAN OR RECORD, ROAD DOCKET, OR OTHER BASIS OF PENNDOT LEGAL RIGHT-OF-WAY WIDTH MUST BE PROVIDED ON THE PLANS. REFER TO PENNDOT PUBLICATION 14W, CHAPTER 2, 3.3.1.)
36. (ADD ANY APPLICABLE NOTES LISTED IN PENNDOT PUBLICATION 14W, CHAPTER 2, 3.3.1.)
37. CLEAN ALL EXISTING DRAINAGE FACILITIES (INCLUDING BUT NOT LIMITED TO INLETS, MANHOLES, AND PIPES) WITHIN THE PROJECT LIMITS.
38. VERIFY EXISTING AND PROPOSED DRAINAGE INVERT AND TO ELEVATIONS PRIOR TO FINAL PLACEMENT. ANY DISCREPANCIES BETWEEN THE PLAN INFORMATION AND ACTUAL FIELD MEASUREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR-IN-CHARGE IMMEDIATELY.

NOTE - ONLY INCLUDE APPLICABLE GENERAL NOTES ON THE PLANS.

MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) NOTES:

1. THIS WORK CONSISTS OF THE MAINTENANCE AND PROTECTION OF TRAFFIC AND THE PROTECTION OF THE PUBLIC WHEN APPROACHING AND DEPARTING THE CONSTRUCTION AREA AND WITHIN THE LIMITS OF CONSTRUCTION.
 1. PENNDOT PUBLICATION 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15)
 2. PENNDOT PUBLICATION 46, TRAFFIC ENGINEERING MANUAL
 3. PENNDOT PUBLICATION 72W, STANDARDS FOR ROADWAY CONSTRUCTION
 4. PENNDOT PUBLICATION 111, PAVEMENT MARKINGS AND SIGNING STANDARDS
 5. PENNDOT PUBLICATION 212, OFFICIAL TRAFFIC CONTROL DEVICES
 6. PENNDOT PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES
 7. PENNDOT PUBLICATION 236, HANDBOOK OF APPROVED SIGNS
 8. PENNDOT PUBLICATION 408, SPECIFICATIONS
 9. MUTCO, CURRENT EDITION
2. FURNISH, ERECT, PLACE, AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES, MAINTAIN TRAFFIC DURING HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES CONSISTENT WITH THE METHODS INDICATED ON THESE DRAWINGS AND THE FOLLOWING:
 1. PENNDOT PUBLICATION 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15)
 2. PENNDOT PUBLICATION 46, TRAFFIC ENGINEERING MANUAL
 3. PENNDOT PUBLICATION 72W, STANDARDS FOR ROADWAY CONSTRUCTION
 4. PENNDOT PUBLICATION 111, PAVEMENT MARKINGS AND SIGNING STANDARDS
 5. PENNDOT PUBLICATION 212, OFFICIAL TRAFFIC CONTROL DEVICES
 6. PENNDOT PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES
 7. PENNDOT PUBLICATION 236, HANDBOOK OF APPROVED SIGNS
 8. PENNDOT PUBLICATION 408, SPECIFICATIONS
 9. MUTCO, CURRENT EDITION
3. REMOVE THESE DEVICES IMMEDIATELY UPON COMPLETION OF THE WORK. PENNDOT WILL REMOVE ANY TRAFFIC CONTROL DEVICES ERRECTED BY DEPARTMENT FORCES.
4. PERMITTEE MUST ARRANGE FOR INSPECTION OF ALL TRAFFIC CONTROL DEVICES PRIOR TO START OF WORK.
5. COVER OR REMOVE ALL CONFLICTING SIGNS AND ERADICATE ALL CONFLICTING PAVEMENT MARKINGS.
6. MOUNT ALL LONG-TERM ADVANCE WARNING SIGNS ON TYPE 316 BARRICADES UNLESS OTHERWISE NOTED OR INSTRUCTED BY THE DISTRICT OFFICE.
7. ALL SIGNS AND DEVICES TO BE MAINTAINED IN NEW OR LIKE NEW CONDITION.
8. DRIVEWAYS WILL BE KEPT ACCESSIBLE AT ALL TIMES. LOCATE ALL SIGNS SO THAT SIGHT DISTANCES WILL NOT BE OBSTRUCTED AT DRIVEWAYS AND LOCAL ROADS.
9. ALL CHANNELIZING DEVICES, BARRICADES, AND SIGNS SHALL HAVE TYPE (1) OR BETTER PRISMATIC RETROREFLECTIVE SHEETING. SHEETING SHALL BE APPROVED AND LISTED IN PENNDOT PUBLICATION 35 (BULLETIN 15).
10. PERMITTEE SHALL NOTIFY LOCAL EMERGENCY AUTHORITIES (E.G., POLICE, FIRE, MEDICAL), AFFECTED BUSINESSES, SCHOOL DISTRICT(S), THE GENERAL PUBLIC, THE DISTRICT PERMIT MANAGER AND THE DISTRICT AREA COORDINATOR AT LEAST FOURTEEN (14) DAYS PRIOR TO ANY SIGNIFICANT TRAFFIC IMPACTS (E.G., LATERAL WIDTH RESTRICTIONS LESS THAN 16 FEET, DETOURS).
11. MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE PATA DRAWINGS (INSERT PATA DRAWING NUMBER) ON THE CURRENT PENNDOT PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES.
12. DRIVeways CREATED BY CONSTRUCTION OPERATIONS SHALL BE THEATED CONSISTENT WITH PUBLICATION 408, SECTION 901.31.J).

NOTE - ONLY INCLUDE APPLICABLE MPT NOTES ON THE PLANS. IF A SEPARATE MPT PLAN IS DEVELOPED, PLACE THE MPT NOTES WITHIN THAT PLAN SET.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
XX-0	(COUNTY NAME)	XXXX	XXX	X OF X	
(MUNICIPALITY NAME)					
REVISION NUMBER	REVISIONS			DATE	BY

MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) NOTES (CONT'D):

13. REMOVE ALL SHORT-TERM WORK ZONE TRAFFIC CONTROL SIGNING UPON COMPLETION OF THAT DAY'S WORK PERIOD.
14. RESTRICTING TRAFFIC FLOW WITHIN THE WORK AREA SHALL BE MINIMIZED TO PREVENT TRAFFIC CONGESTION AND UNSAFE TRAFFIC CONDITIONS.
15. NOTIFY THE LOCAL MUNICIPALITY WHERE SIGNALIZED INTERSECTIONS FALL WITHIN THE WORK ZONE. DO NOT FLAG A SIGNALIZED INTERSECTION WITHOUT THE MUNICIPALITY PLACING THE SIGNAL ON FLASH.
16. THE CONTRACTOR SHALL COMPLY WITH ACT 229 OF DECEMBER 2002 DURING CONSTRUCTION ACTIVITIES WITHIN PENNDOT'S RIGHT-OF-WAY.
17. UTILIZE PENNDOT PUBLICATION 213, WORK ZONE TRAFFIC CONTROL PATA (INSERT PATA DRAWING NUMBER) FOR SHORT-TERM TRAFFIC CONTROL OPERATIONS AND PATA (INSERT PATA DRAWING NUMBER) FOR LONG-TERM TRAFFIC CONTROL OPERATIONS.
18. UTILIZE PENNDOT PUBLICATION 213, WORK ZONE TRAFFIC CONTROL PATA (INSERT PATA DRAWING NUMBER) FOR SIGNAGE AND DEVICE SETUP/REMOVAL.
19. MAINTAIN EXISTING PEDESTRIAN FACILITIES ACCESS THROUGHOUT THE PROJECT DURATION. UTILIZE PENNDOT PUBLICATION 213, WORK ZONE TRAFFIC CONTROL PATA (INSERT PATA DRAWING NUMBER) FOR SHORT-TERM DURATIONS AND PATA (INSERT PATA DRAWING NUMBER) FOR LONG-TERM DURATIONS.
20. ALL FLAGGERS TO WEAR YELLOW/GREEN (ANSI Z39) APPAREL AND LEGGINGS, ANSI Z87 APPAREL IS REQUIRED DURING HOURS OF DARKNESS FOR ALL HIGHWAY WORKERS.

WORK RESTRICTIONS:

1. NO TRAFFIC RESTRICTIONS OR LANE CLOSURES ARE PERMITTED (ADD TIME FRAME) AND BETWEEN (ADD TIME FRAME) WEEKDAYS OR ON LEGAL HOLIDAYS AND WEEKENDS ASSOCIATED WITH LEGAL HOLIDAYS. ALL RESTRICTIONS AND CLOSURES ARE TO BE REMOVED BY NOON ON THE DAY PRIOR TO THE LEGAL HOLIDAY.
2. NO PAVING, LANE RESTRICTIONS, OR CLOSURES BETWEEN (DATE) AND (DATE) WITHOUT PENNDOT APPROVAL.
3. NO LANE RESTRICTIONS OR CLOSURES ALONG SR XXXX (LOCAL ROAD NAME) WILL BE PERMITTED ON THE FOLLOWING DATES:
 - (INSERT DATES)
4. THERE SHALL BE NO TRAFFIC RESTRICTIONS OR REDUCTION OF TRAVEL LANES ALONG SR XXXX (LOCAL ROAD NAME) BETWEEN (XX) AM AND (XX) PM.

SEQUENCE NOTES:

1. MOBILIZE FOR CONSTRUCTION.
2. INSTALL LONG-TERM SIGNING AND TEMPORARY TRAFFIC CONTROL DEVICES.
3. INSTALL EASPC MEASURES AS INDICATED AND IN ACCORDANCE WITH THE APPROVED EASPC PLAN.
4. (INSERT REMAINING CONSTRUCTION SEQUENCING NOTES).

NOTE - COORDINATE WITH THE LOCAL MUNICIPALITY FOR ANY UPCOMING LOCAL EVENTS AND ADD ADDITIONAL RESTRICTIONS AS NEEDED TO ACCOMMODATE.

DETAILS OTHER THAN THOSE INDICATED ARE ON THE FOLLOWING STANDARD DRAWINGS:

RC-XXX (X SHEETS) (DRAWING APPROVAL DATE)	SR XXXX (LOCAL STREET NAME)	LIMIT OF WORK	XX' OF X,XXX' (PAVEMENT TYPE)
RC-XXX (X SHEETS) (DRAWING APPROVAL DATE)	STA XXX+XX	ADJACENT TO	XX' OF X,XXX' (PAVEMENT TYPE)
TC-XXXX (X SHEETS) (DRAWING APPROVAL DATE)	STA XXX+XX	ADJACENT TO	XX' OF X,XXX' (PAVEMENT TYPE)
TC-XXXX (X SHEETS) (DRAWING APPROVAL DATE)		LIMIT OF WORK	XX' OF X,XXX' (PAVEMENT TYPE)

RECORD OF EXISTING ROAD TYPES

SR XXXX (LOCAL STREET NAME)	LIMIT OF WORK	XX' OF X,XXX' (PAVEMENT TYPE)
ADJACENT TO	XX' OF X,XXX' (PAVEMENT TYPE)	
ADJACENT TO	XX' OF X,XXX' (PAVEMENT TYPE)	
LIMIT OF WORK	XX' OF X,XXX' (PAVEMENT TYPE)	

NOTE: THE DEPTHS OF MATERIAL SHOWN ARE FOR DESIGN PURPOSES ONLY. ANY RISK OF UNANTICIPATED COSTS ASSOCIATED WITH DIFFERENCES BETWEEN THE LISTED DEPTHS AND THE ACTUAL DEPTHS SHALL BE ACCEPTED BY THE CONTRACTOR.

TABULATION OF SEGMENT EQUALITIES

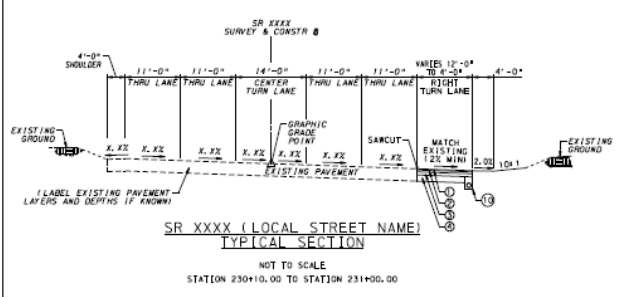
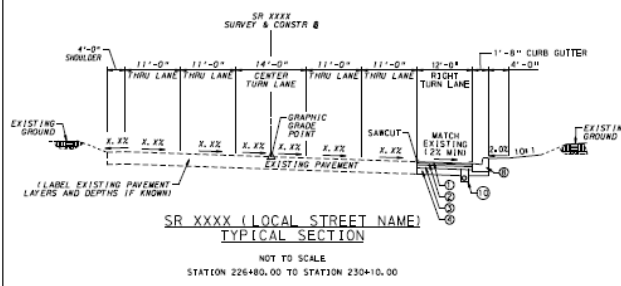
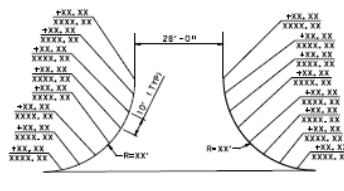
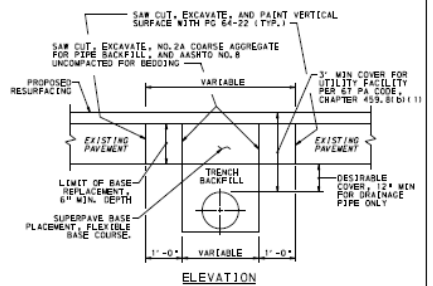
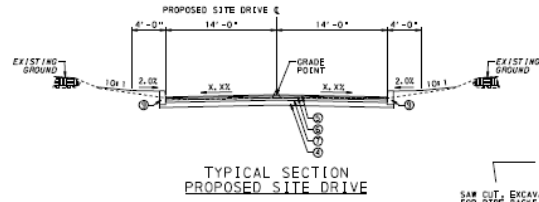
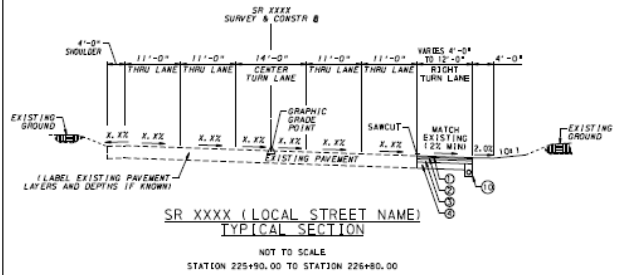
SR XXXX STATION XXX+XX.XX BK = SB SEG XXXX OFFSET XXXX	(I.P.E. SEAL)
SR XXXX STATION XXX+XX.XX BK = SB SEG XXXX OFFSET XXXX	
SR XXXX STATION XXX+XX.XX BK = NB SEG XXXX OFFSET XXXX	

HIGHWAY OCCUPANCY PERMIT OPERATIONS MANUAL

Appendix C9 – Sample Construction Plans

PLUMBING 2/16/2022 84

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
XX-D	(COUNTY NAME)	XXXX	XXX	X OF X
(MUNICIPALITY NAME)				
REVISION NUMBER	REVISIONS			DATE BY



RESTORATION OF PAVEMENT OVER PIPE
 NOTE: CONSTRUCT FLEXIBLE BASE REPLACEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF PUBLICATION 408, SECTION 316.
 PREPARE EXPOSED VERTICAL AND HORIZONTAL SURFACES AS PER PUBLICATION 408, SECTION 409.31.61.
 FOR NON-OVERLAY APPLICATIONS, THE TOP 1 1/2" OF BASE REPLACEMENT WILL BE SUPERPAVE HEARING COURSE.
 FOR RESTORATION OF HICID PAVEMENT, REFER TO PUBLICATION 408, SECTION 516 AND RC-26W.
 PERFORM AND COMPLETE PIPE RESTORATION WORK PRIOR TO THE FLEXIBLE SUPERPAVE BASE REPLACEMENT.

ADD RELEVANT DETAIL(S)

LEGEND

- ① SUPERPAVE ASPHALT MIXTURE DESIGN, HEARING COURSE, PG (ASPHALT BINDER CODE), (ESAL RANGE) MILLION ESALS, (XXX) MM MIX, (XX) " DEPTH, SRL-(DESIGNATION) LETTER
 - ② SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG (ASPHALT BINDER CODE), (ESAL RANGE) MILLION ESALS, (XXX) MM MIX, (XX) " DEPTH
 - ③ SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG (ASPHALT BINDER CODE), (ESAL RANGE) MILLION ESALS, (XXX) MM MIX, (XX) " DEPTH
 - ④ SUBBASE XX" DEPTH (NO. 2A) OR MATCH EXISTING, WHICHEVER IS GREATER
 - ⑤ SUPERPAVE ASPHALT MIXTURE DESIGN, HEARING COURSE, PG (ASPHALT BINDER CODE), (ESAL RANGE) MILLION ESALS, (XXX) MM MIX, (XX) " DEPTH, SRL-(DESIGNATION) LETTER
 - ⑥ SUPERPAVE ASPHALT MIXTURE DESIGN, ASPHALT LAYER COURSE, PG (ASPHALT BINDER CODE), (ESAL RANGE) MILLION ESALS, (XXX) MM MIX, (XX) " DEPTH
 - ⑦ SUPERPAVE ASPHALT MIXTURE DESIGN, ASPHALT LAYER COURSE, PG (ASPHALT BINDER CODE), (ESAL RANGE) MILLION ESALS, (XXX) MM MIX, (XX) " DEPTH
 - ⑧ PLAIN CEMENT CONCRETE CURB CUTTER
 - ⑨ PLAIN CEMENT CONCRETE CURB
 - ⑩ 6" PAVEMENT BASE DRAIN
- NOTE: APPLY A SEPARATE LAYER OF ASPHALT TACK COAT BETWEEN EACH PAVING COURSE.
 SEAL ALL PAVEMENT JOINTS WITH PG (ASPHALT BINDER CODE)

(P.E. SEAL)

DESIGNED BY: XXX DRAWN BY: XXX CHECKED BY: XXX

HIGHWAY OCCUPANCY PERMIT OPERATIONS MANUAL

Appendix C9 – Sample Construction Plans

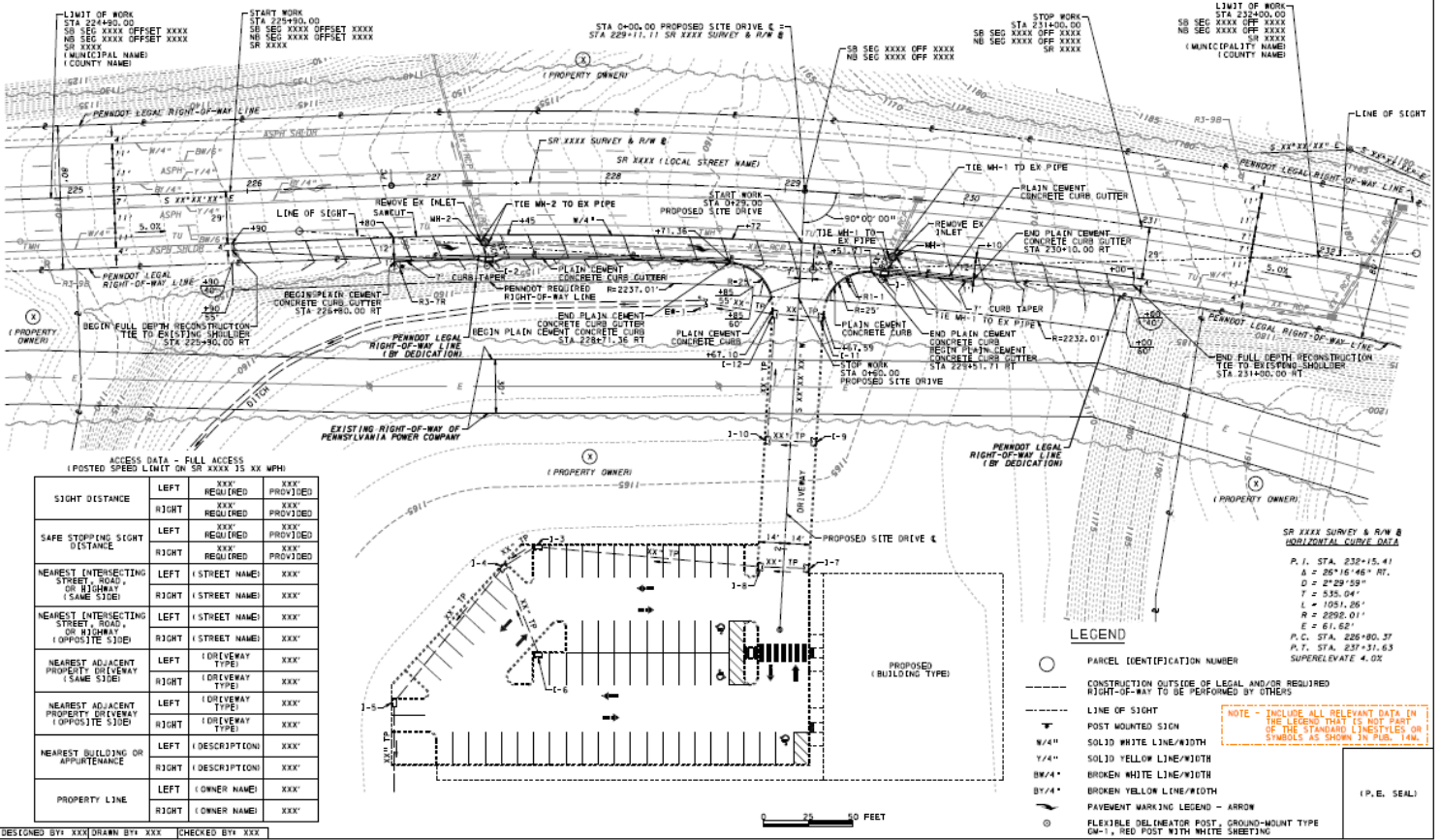
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NOTE - THE USE OF CURBING AND INLETS ALONG THE AUXILIARY LANE OR TRIP SAMPLE PLAN ARE SHOWN AS AN EXAMPLE ONLY. ACCORDING TO PUBLICATION 282 - CHAPTER 2-2, PENNDOT PREFERS OPEN DITCH/SCALE DESIGN FOR OPEN SURFACE STORM WATER SYSTEMS TO REDUCE THE COST OF HIGHWAY PROJECTS AND FUTURE MAINTENANCE.

NOTE - REQUIRED RIGHT-OF-WAY IS SHOWN FOR CLARIFICATION PURPOSES ONLY. FINAL ROP PLAN SUBMITTAL SHALL SHOW ALL REQUIRED RIGHT-OF-WAY AS NEW LEGAL.

NOTE - IF MULTIPLE HOP'S ARE TO BE ISSUED FOR THE SAME PROJECT, ADD LABELS TO THE PLANS TO INDICATE WHICH FEATURES ARE INCLUDED FOR EACH HOP SUBMITTAL.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
XX-0	(COUNTY NAME)	XXXX	XXX	X OF X	
(MUNICIPALITY NAME)					
REVISION NUMBER	REVISED			DATE	BY



ACCESS DATA - FULL ACCESS
(POSTED SPEED LIMIT ON SR XXXX IS XX MPH)

SIGHT DISTANCE	LEFT	XXX' REQUIRED	XXX' PROVIDED
SAFE STOPPING SIGHT DISTANCE	RIGHT	XXX' REQUIRED	XXX' PROVIDED
NEAREST INTERSECTING STREET, ROAD, OR HIGHWAY (SAME SIDE)	LEFT	(STREET NAME) XXX'	XXX'
NEAREST INTERSECTING STREET, ROAD, OR HIGHWAY (OPPOSITE SIDE)	RIGHT	(STREET NAME) XXX'	XXX'
NEAREST ADJACENT PROPERTY OR HIGHWAY (SAME SIDE)	LEFT	(DRIVEWAY TYPE) XXX'	XXX'
NEAREST ADJACENT PROPERTY OR HIGHWAY (OPPOSITE SIDE)	RIGHT	(DRIVEWAY TYPE) XXX'	XXX'
NEAREST BUILDING OR APPURTENANCE	LEFT	(DESCRIPTION) XXX'	XXX'
PROPERTY LINE	RIGHT	(OWNER NAME) XXX'	XXX'

NOTE - INCLUDE ALL RELEVANT DATA IN THE LEGEND THAT IS NOT PART OF THE STANDARD LINES/TIES OR SYMBOLS AS SHOWN IN PLAN, 14M.

(P. E. SEAL)

HIGHWAY OCCUPANCY PERMIT OPERATIONS MANUAL

Appendix C9 – Sample Construction Plans

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TABULATION OF SITE SIGNAGE

ROUTE <small>(OR HWY LOCAL STREET NAME)</small>	STATION	SIDE	SIGN DESIGNATION	SIGN SIZE WIDTH (IN.) X HEIGHT (IN.)	QUANTITY	SIGN TYPE/ DESCRIPTION	POST NUMBER SIGNS, TYPE B STEEL SQUARE POST	
							SF	EACH
	224+07	RT	R3-9B	36 X 36	1	CENTER LANE - LEFT TURN ONLY		1
	226+81	RT	R3-7R	24 X 36	1	RIGHT LANE MUST TURN RIGHT	6.00	
	229+39	RT	R1-1	30 X 30	1	STOP	6.25	
	231+50	LT	R3-9B	36 X 36	1	CENTER LANE - LEFT TURN ONLY		1

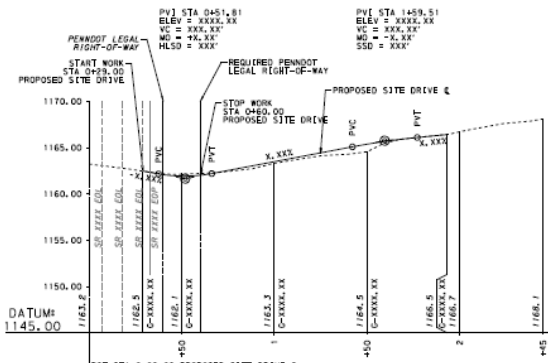
NOTE - ADD ALL EXISTING AND PROPOSED SIGNAGE TO THE TABLE.

DISTRICT XX-0	COUNTY (COUNTY NAME) XXXX	ROUTE XXX	SECTION XXX	SHEET X OF X	
(MUNICIPALITY NAME)					
REVISION NUMBER	REVISED BY			DATE	BY

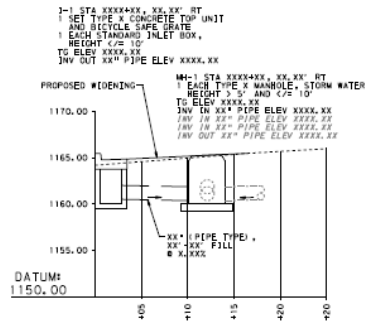
DRAINAGE INFORMATION

IDENTIFIER	STATION	OFFSET	DESCRIPTION	TO ELEV	INV IN	INV 2N	INV IN	INV OUT
I-1	XXXXXX.XX	XXXX.XX' RT	TYPE X CONCRETE TOP UNIT AND BICYCLE SAFE GRATE	XXXX.XX	---	---	---	XX" PIPE ELEV XXXX.XX
MH-1	XXXXXX.XX	XXXX.XX' RT	TYPE X MANHOLE STORM WATER, HEIGHT > 5' AND < 1/2 10'	XXXX.XX	XX" PIPE ELEV XXXX.XX	XX" PIPE ELEV XXXX.XX	XX" PIPE ELEV XXXX.XX	XX" PIPE ELEV XXXX.XX
I-2	XXXXXX.XX	XXXX.XX' RT	TYPE X CONCRETE TOP UNIT AND BICYCLE SAFE GRATE	XXXX.XX	---	---	---	XX" PIPE ELEV XXXX.XX
MH-2	XXXXXX.XX	XXXX.XX' RT	TYPE X MANHOLE STORM WATER, HEIGHT > 5' AND < 1/2 10'	XXXX.XX	XX" PIPE ELEV XXXX.XX	XX" PIPE ELEV XXXX.XX	---	XX" PIPE ELEV XXXX.XX

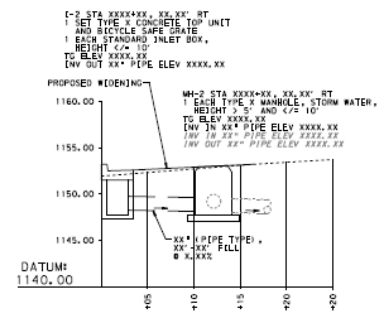
NOTE - ADD ALL APPLICABLE DRAINAGE INLET, MANHOLE, AND ENDWALL INFORMATION TO THE TABLE.



PROPOSED SITE DRIVE PROFILE



1-1 TO MH-1 PROFILE



I-2 TO MH-2 PROFILE



NOTE - PROVIDE PROFILES FOR ALL THE PROPOSED PIPES.

(P. E. SEAL)

DESIGNED BY: XXX DRAWN BY: XXX CHECKED BY: XXX

HIGHWAY OCCUPANCY PERMIT OPERATIONS MANUAL

Appendix C9 – Sample Construction Plans

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
CROSS SECTIONS

Elev.	Depth	Type	Slope	Profile No. No.	Final No. No.	Sheet No.
XX-01	XX-01	XXXX	XXX			X OF X

