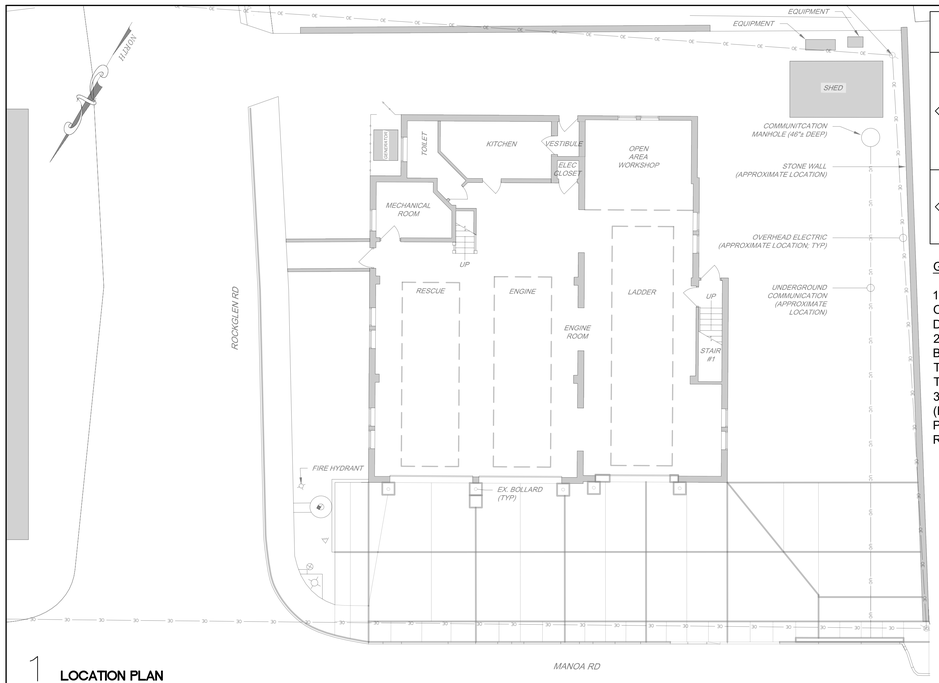


1 LOCATION PLAN

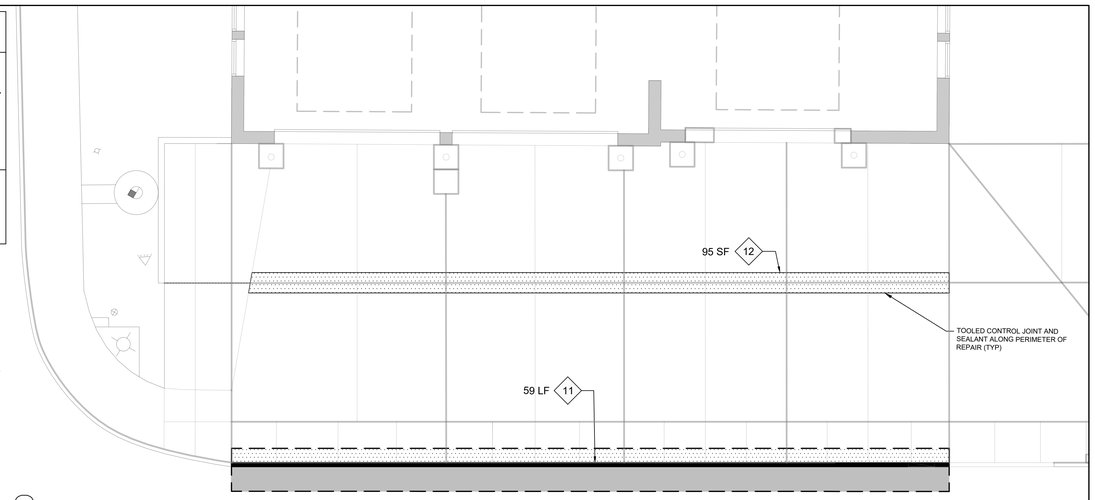
SCALE: 1"=10'

CONSTRUCTION KEY NOTES

11	SAWCUT BITUMINOUS ROADWAY AND CONCRETE APRON. REMOVE FULL DEPTH, INCLUDING DEPRESSED GRANITE CURB. INSTALL CONCRETE DEPRESSED CURB AND PERFORM ROADWAY RESTORATION PER DETAIL #3. REFER TO PROJECT MANUAL, EXHIBIT D, APPENDIX FOR HOP AND ADDITIONAL REQUIREMENTS ALONG ROADWAY INCLUDING TRAFFIC CONTROL AND MAINTENANCE
12	SAWCUT CONCRETE APRON, CHIP OUT, AND REMOVE UPPER 4" OF CONCRETE. PERFORM TOPSITE CONCRETE REPAIR PER DETAIL #4. INSTALL EXPANSION JOINT AND CONTROL JOINTS TO MATCH EXISTING AND WHERE INDICATED.

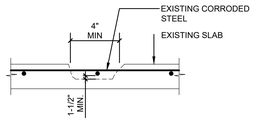
GENERAL NOTES:

1. WORK SHALL BE PERFORMED WHEN THERE IS CONSECUTIVE DAYS OF WEATHER AT LEAST 40° F TO ALLOW REPAIR WORK AND UP TO 7 DAYS OF CURING.
2. APPARATUS WILL BE TEMPORARILY PARKED AT DRIVEWAY AND BEYOND TO ALLOW TEMPORARY CLOSURE OF THE MAIN APRON AREA TO ALLOW CONTRACTOR TO PERFORM THEIR WORK, INCLUDING CURE TIME.
3. ONCE THE CONCRETE HAS REACHED AT LEAST 3,500 PSI (ESTIMATED IN APPROXIMATELY 4 TO 7 DAYS), CONTRACTOR SHALL PROMPTLY REMOVE TEMPORARY MEASURES AND RETURN APRON TO RESUME NORMAL OPERATIONS.



2 PROPOSED PLAN

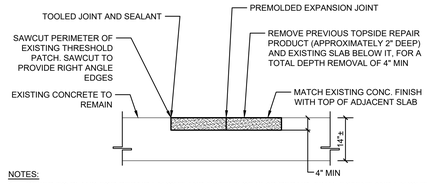
SCALE: 1"=5'



NOTES:
1. REMOVE CONCRETE ON CORRODED STEEL - UNTIL AT LEAST 4" OF CLEAN STEEL IS EXPOSED. WIRE BRUSH EXPOSED STEEL.
2. DO NOT CUT OR DAMAGE EXISTING SLAB REINFORCING DURING REPAIRS.
3. SEE DETAIL 3 IF REINFORCING REPAIR IS REQUIRED.

5 CLEANING OF REINFORCEMENT DETAIL (CONTINGENCY)

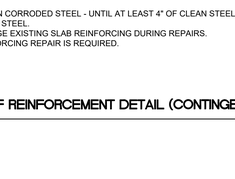
SCALE: N.T.S.



NOTES:
1. REFER TO PLANS FOR REPAIR LAYOUT AND EXTENT OF SLAB REPAIR. FINAL EXTENT AND LAYOUT OF REPAIR TO BE VERIFIED IN FIELD.
2. SAWCUT AND MAINTAIN RIGHT ANGLE OF CUT TO CONCRETE SURFACE. MAINTAIN A MINIMUM REPAIR DEPTH OF 4" AT THE PERIMETER OF THE REPAIR. REPAIR AREA SHOULD NOT BE LESS THAN 4" IN DEPTH.
3. REMOVE ALL LOOSE OR DELAMINATED CONCRETE. CHIP CONCRETE BACK TO SOUND CONCRETE SUBSTRATE. ROUGHEN SURFACE OF EXPOSED CONCRETE PER MANUFACTURER INSTRUCTION
4. CLEAN CONCRETE SURFACE. REMOVE ALL DELETERIOUS MATERIAL SUCH AS LAITANCE, DUST, DIRT, AND OIL.
5. AFTER REMOVAL AND CLEANING OF THE CONCRETE SURFACE, CONTACT THE ENGINEER FOR REVIEW OF THE CONCRETE SUBSTRATE.
6. PREPARE THE CONCRETE SUBSTRATE AS REQUIRED. BONDING AGENT TO BE SIKADUR-32 HI-MOD BY SIKA OR APPROVED EQUAL. APPLY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. INSTALL PREFORM MOLDED EXPANSION JOINT FILLER TO MATCH/EXTEND EXISTING LOCATIONS. THEN PLACE HIGH EARLY STRENGTH (HES), AIR ENTRAINED, OF 7,000 PSI (MIN) IN 28 DAYS, WHERE IS REACHES 3,500 PSI (MIN) IN 3 DAYS. WET TOOL CONTROL JOINTS ALONG PERIMETER WHERE IT ABUTS EXISTING CONCRETE AND TO MATCH/EXTEND EXISTING CONTROL JOINT LOCATIONS.

4 TYPICAL DETAIL PARTIAL DEPTH TOPSIDE CONCRETE SLAB ON GRADE REPAIR

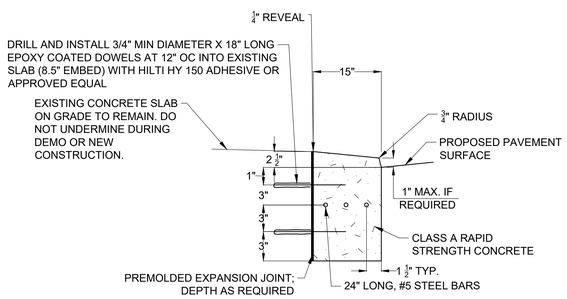
SCALE: N.T.S.



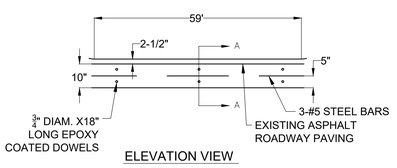
NOTES:
1. REMOVE CONCRETE ON CORRODED STEEL UNTIL AT LEAST 4" OF CLEAN STEEL IS EXPOSED. WIRE BRUSH EXPOSED STEEL.
   A. IF GREATER THAN 25% OF CIRCUMFERENTIAL AREA IS LOST IN ANY REINFORCING BAR, SPLICE SAME SIZE BAR IN PLACE W/MIN. OF 24" LAP LENGTH EACH SIDE. WHERE LAP LENGTH CANNOT BE ACHIEVED, WELD NEW REBAR TO EXISTING TO DEVELOP FULL TENSILE CAPACITY.

6 REINFORCEMENT REPAIR DETAIL (CONTINGENCY)

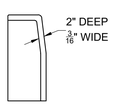
SCALE: N.T.S.



SECTION A-A



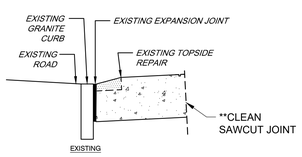
ELEVATION VIEW



CONTRACTION JOINT

NOTES

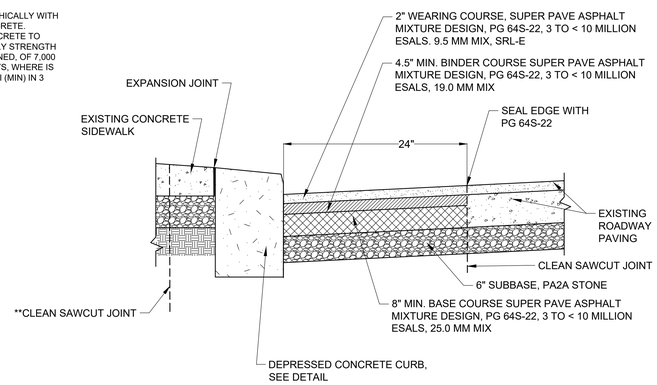
1. MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF PUBLICATION 408, SECTION 630 FOR PLAIN CEMENT CONCRETE CURB AND DEPRESSED CURB.
2. SPACE CONTRACTION JOINTS IN UNIFORM LENGTHS OR SECTIONS.
3. PLACE 3/4-INCH PREMOLDED EXPANSION JOINT FILLER MATERIALS AT STRUCTURES AND AT THE END OF THE WORK DAY. CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS SECTIONAL AREA OF CURB.
4. POURED MONOLITHICALLY WITH FULL DEPTH CONCRETE.
5. ALL POURED CONCRETE TO UTILIZE HIGH EARLY STRENGTH (HES), AIR ENTRAINED, OF 7,000 PSI (MIN) IN 28 DAYS, WHERE IS REACHES 3,500 PSI (MIN) IN 3 DAYS.



** THE FINAL APPROVAL OF THE CONCRETE SAWCUT LOCATION WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE AND WILL BE CONFIRMED AT THE PRE-CONSTRUCTION MEETING

3 REPLACE GRANITE CURB AND APRON EDGE WITH CONCRETE DEPRESSED CURB

SCALE: N.T.S.



NOTES

1. BITUMINOUS PAVEMENTS MUST CONFORM TO PENNDOT STANDARDS.
2. COMPACT ALL SUBGGRADE PRIOR TO PAVEMENT INSTALLATION. DO NOT INSTALL BELOW 40° OR ON WET SURFACES. OBTAIN MIXTURES FROM SOURCES ENSURING A UNIFORM FINISHED PRODUCT.
3. USE STEEL-WHEEL PNEUMATIC-TIRE ROLLERS UPON APPLICATION. SEALERS FOR CRACKS SEAMS AND PATCHES TO FOLLOW EMULSIFIED ASPHALT CLASS E-8 SEC 702.
4. THE SOIL SUBGRADE SHOULD BE INSPECTED AND PROOF ROLLED IN THE PRESENCE OF THE OWNER/ENGINEER AND ANY SOFT AREAS SHALL BE REMOVED AND REPAIRED PRIOR TO PAVING.
5. ALL SAWCUT LINES MUST BE SEALED AT EXISTING PAVEMENT IN NEAT LINES.
6. PROVIDE TACK COAT BETWEEN EACH LAYER OF ASPHALT INSTALLED.
7. ALL CONCRETE TO UTILIZE HIGH EARLY STRENGTH (HES), AIR ENTRAINED, OF 7,000 PSI (MIN) IN 28 DAYS, WHERE IS REACHES 3,500 PSI (MIN) IN 3 DAYS.

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL JOANN MA SWERK ENGINEER No. PE082285	APRON REPAIR PLAN AND DETAILS	
	PENN WYNNE - OVERBROOK HILLS FIRE COMPANY APRON REPAIRS 1440 MANOA ROAD PENN WYNNE, PENNSYLVANIA 19096	DATE: 07-22-2026 SCALE: AS NOTED DRAWN BY: BFP APPROVED BY: JM
	TOWNSHIP OF LOWER MERION OFFICE OF THE TOWNSHIP ENGINEER 75 EAST LANCASTER AVENUE ARDMORE, MONTGOMERY COUNTY, PENNSYLVANIA 19003	SHEET: 1 OF 1 DRAWING NO.: C-100

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