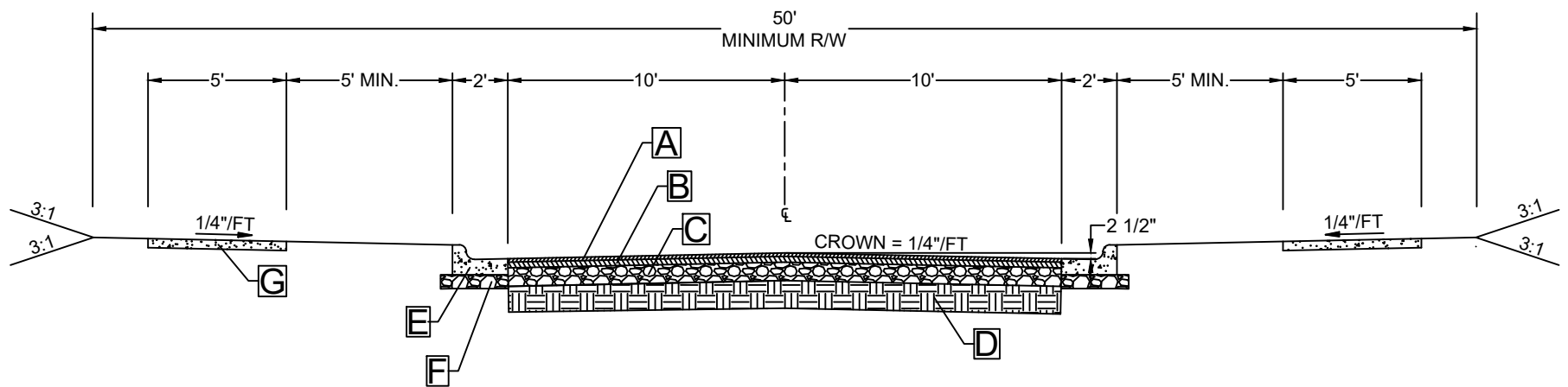


DIMENSIONS FOR LOCAL ALLEYS

TYPICAL CROSS SECTION AND MINIMUM PAVEMENT SECTION

- A. 1.5" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B
- B. 2.5" BITUMINOUS CONCRETE INTERMEDIATE COURSE, TYP I1.9B
- C. 6" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR
- D. SUBGRADE COMPACTED TO 100% STANDARD PROCTOR

PROJECT MANAGER:	MAH		TYPICAL ALLEY SECTION
DRAWN BY:	PMK		DRAWING NUMBER: 1 OF 15
DATE:	5/17/2022		



DIMENSIONS FOR RESIDENTIAL LANE

TYPICAL CROSS SECTION AND MINIMUM PAVEMENT SECTION

- A. 1.5" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B
- B. 2.5" BITUMINOUS CONCRETE INTERMEDIATE COURSE, TYP 11.9B
- C. 8" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR
- D. SUBGRADE COMPACTED TO 100% STANDARD PROCTOR
- E. 2.0' STANDARD CURB & GUTTER
- F. MINIMUM 5" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR BENEATH CURB
- G. 4.0" CONCRETE SIDEWALK, MAXIMUM 2.0% CROSS SLOPE

PROJECT MANAGER:

MAH

DRAWN BY:

PMK

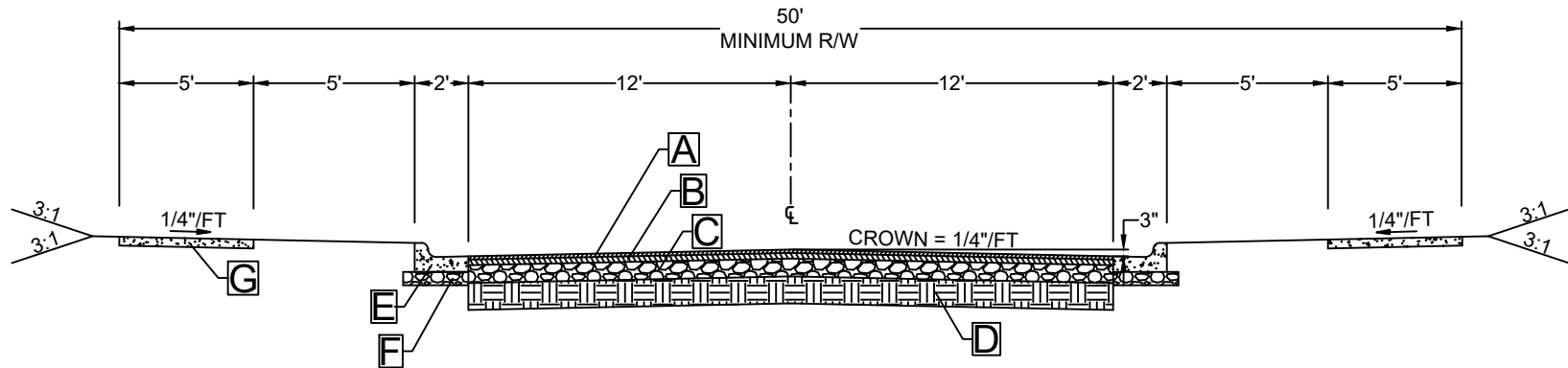
DATE:

5/17/2022



TYPICAL RESIDENTIAL
LANE SECTION

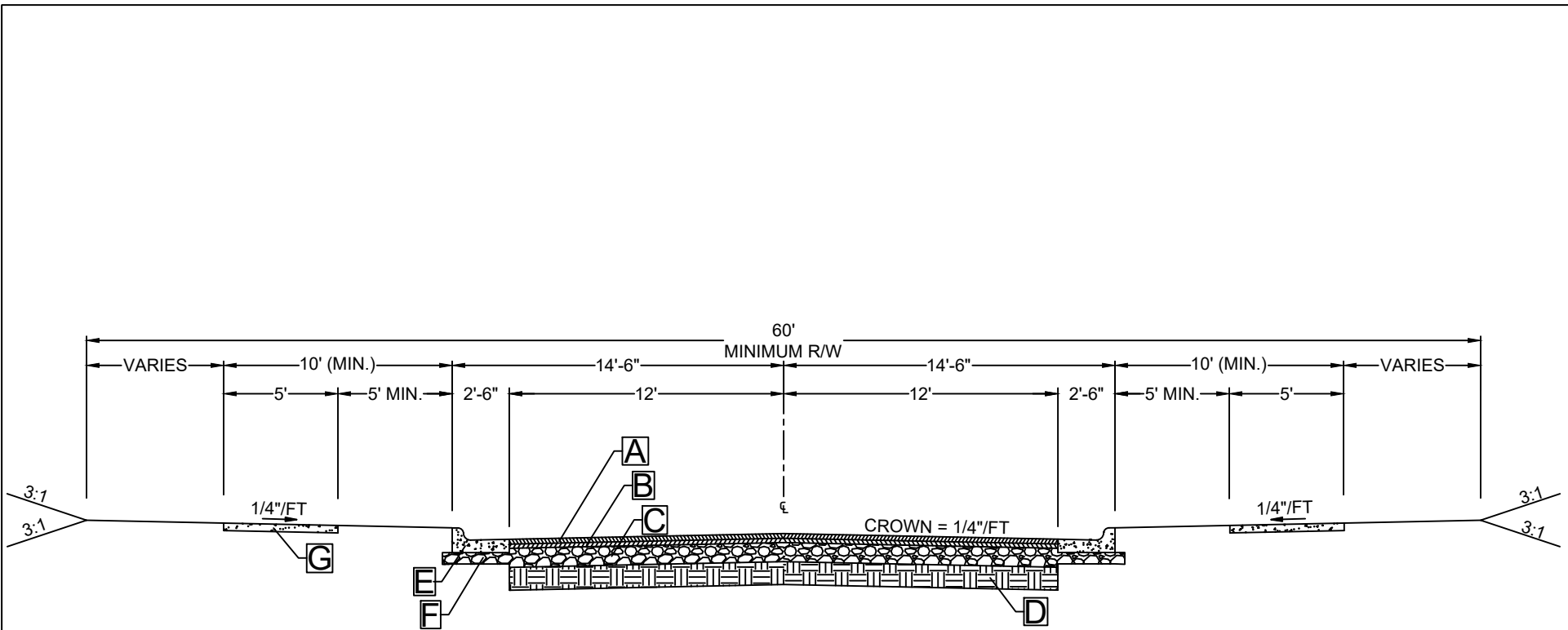
DRAWING NUMBER: 2 OF 15



DIMENSIONS FOR RESIDENTIAL STREET
 TYPICAL CROSS SECTION AND MINIMUM PAVEMENT SECTION

- A. 1.5" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B
- B. 2.5" BITUMINOUS CONCRETE INTERMEDIATE COURSE, TYP I1.9B
- C. 8" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR
- D. SUBGRADE COMPACTED TO 100% STANDARD PROCTOR
- E. 2.0' STANDARD CURB & GUTTER
- F. MINIMUM 5" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR BENEATH CURB
- G. 4.0" CONCRETE SIDEWALK, MAXIMUM 2.0% CROSS SLOPE

PROJECT MANAGER:	MAH	 Harrisburgnc <i>The right side of opportunity</i>	TYPICAL RESIDENTIAL STREET SECTION
DRAWN BY:	PMK		
DATE:	5/24/2022		DRAWING NUMBER: 3 OF 15

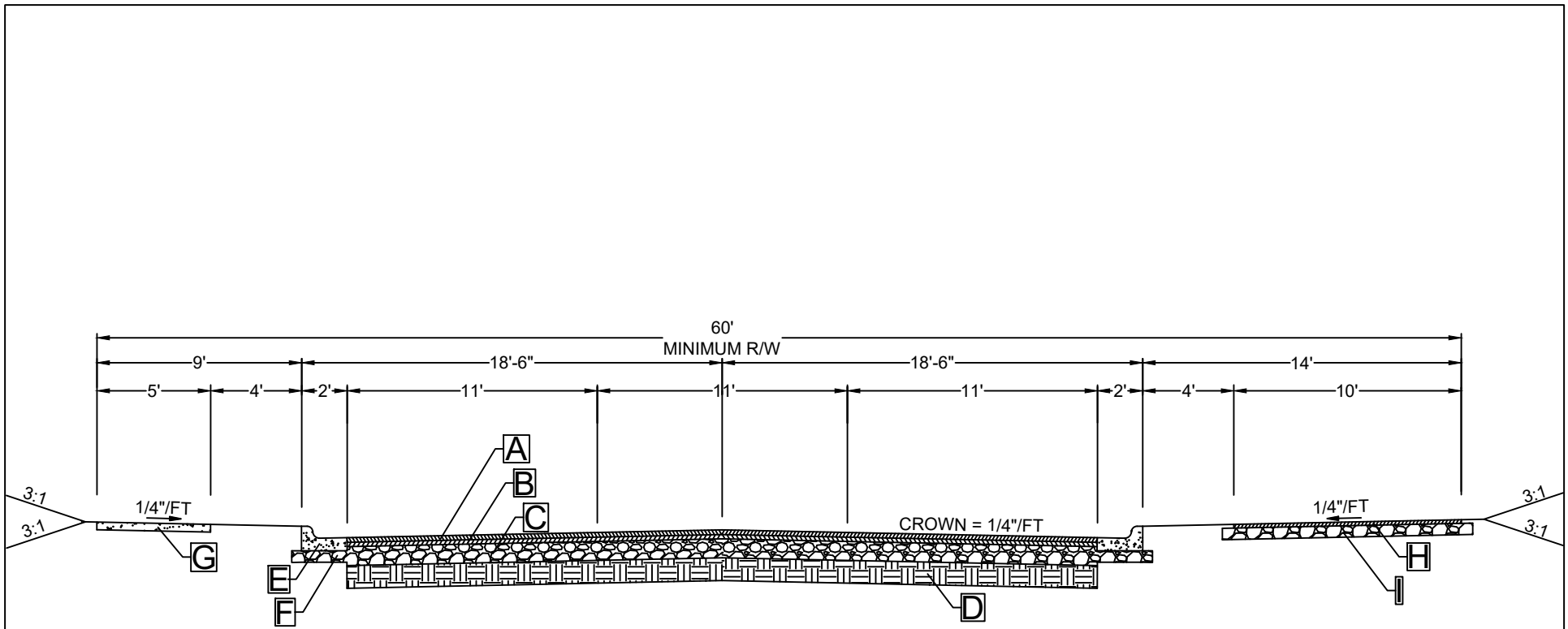


DIMENSIONS FOR COMMERCIAL STREET

TYPICAL CROSS SECTION AND MINIMUM PAVEMENT SECTION

- A. 2.5" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE PLACED IN TWO (2) 1.25" LIFTS
- B. 2.25" BITUMINOUS CONCRETE INTERMEDIATE COURSE, TYP I1.9B
- C. 10" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR
- D. SUBGRADE COMPACTED TO 100% STANDARD PROCTOR
- E. 2.5' STANDARD CURB & GUTTER
- F. MINIMUM 5" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR BENEATH CURB
- G. 4.0" CONCRETE SIDEWALK, MAXIMUM 2.0% CROSS SLOPE

PROJECT MANAGER:	MAH	 Harrisburgnc <i>The right side of opportunity</i>	TYPICAL COMMERCIAL STREET SECTION
DRAWN BY:	PMK		
DATE:	5/24/2022		DRAWING NUMBER: 4 OF 15

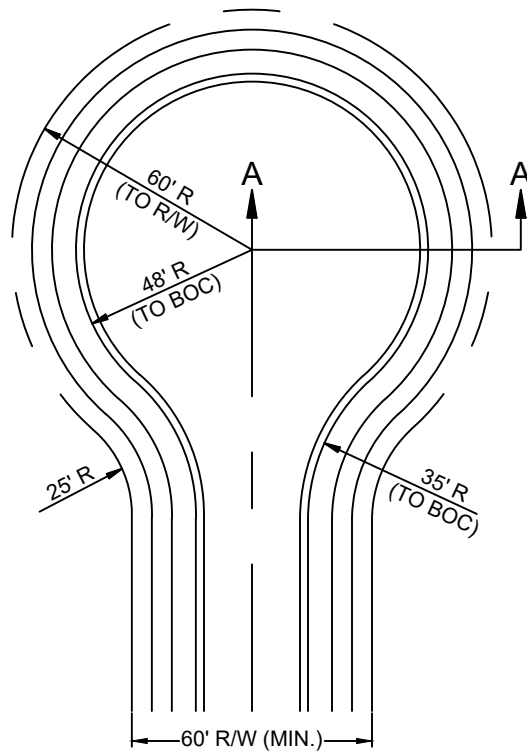


DIMENSIONS FOR TYPICAL TOWN CONNECTOR STREET

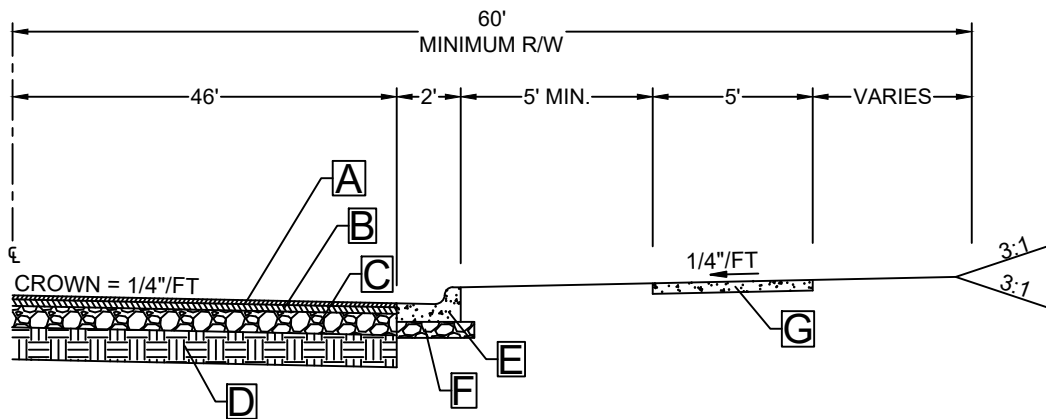
TYPICAL CROSS SECTION AND MINIMUM PAVEMENT SECTION

- A. 2.5" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE PLACED IN TWO (2) 1.25" LIFTS
- B. 2.25" BITUMINOUS CONCRETE INTERMEDIATE COURSE, TYP I1.9B
- C. 10" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR
- D. SUBGRADE COMPACTED TO 100% STANDARD PROCTOR
- E. 2.0' STANDARD CURB & GUTTER
- F. MINIMUM 5" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR BENEATH CURB
- G. 4.0" CONCRETE SIDEWALK, MAXIMUM 2.0% CROSS SLOPE
- H. 1.5" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B, TO HAVE A MAXIMUM CROSS SLOPE OF 2.0%
- I. 8" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR

PROJECT MANAGER:	MAH	 Harrisburgnc <i>The right side of opportunity</i>	TYPICAL TOWN CONNECTOR STREET
DRAWN BY:	PMK		
DATE:	5/24/2022		DRAWING NUMBER: 5 OF 15



PLAN



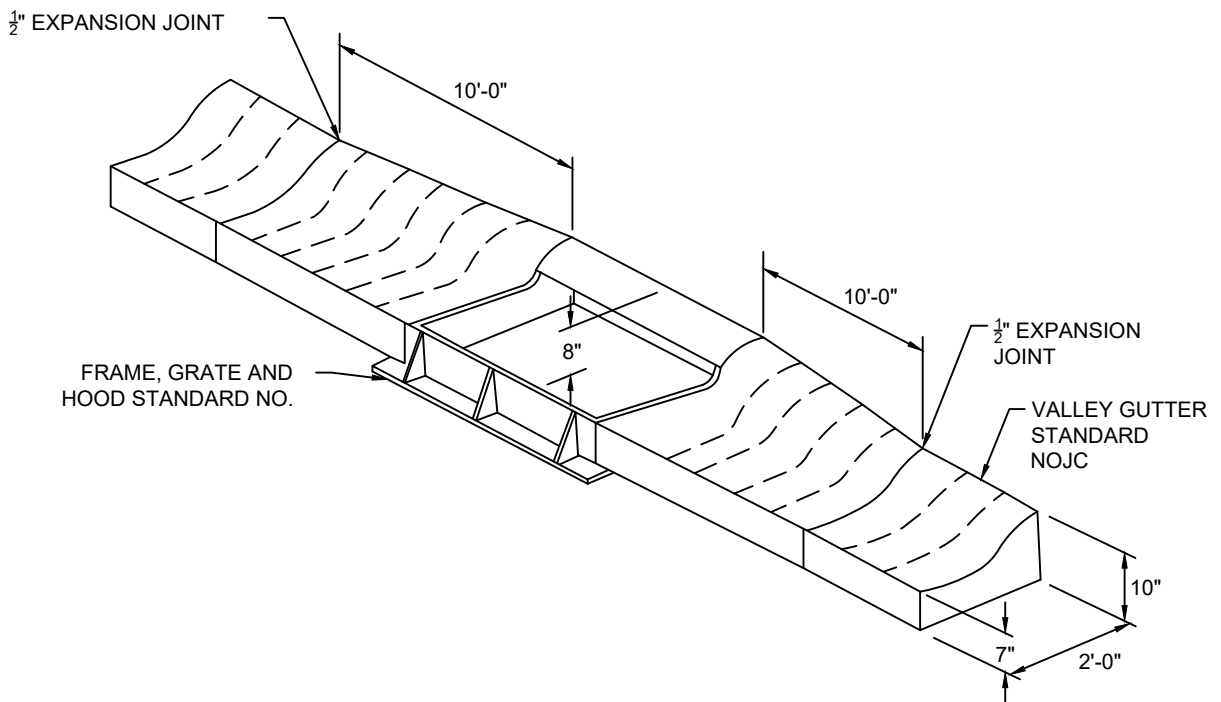
SECTION A-A

DIMENSIONS FOR RESIDENTIAL CUL-DE-SAC

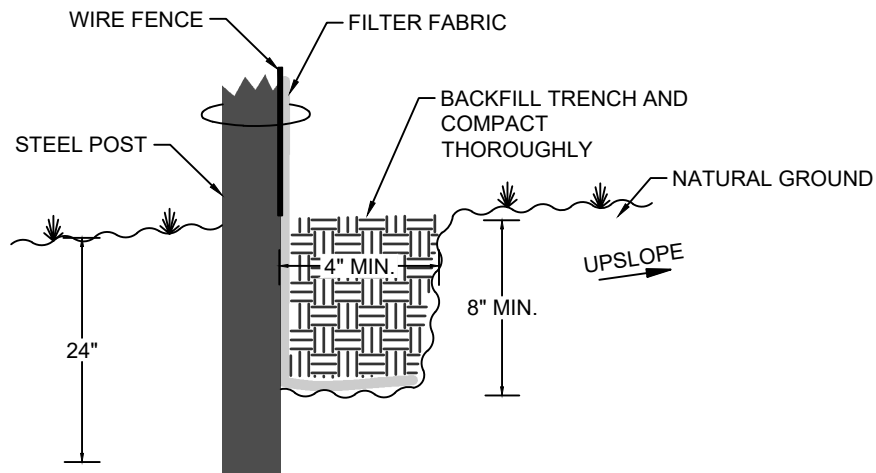
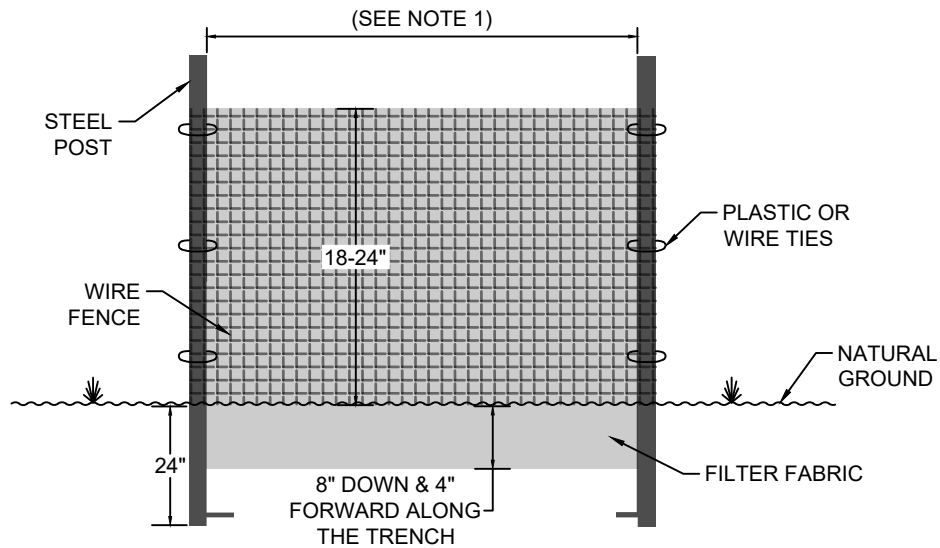
TYPICAL CROSS SECTION AND MINIMUM PAVEMENT SECTION

- A. 1.5" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B
- B. 2.5" BITUMINOUS CONCRETE INTERMEDIATE COURSE, TYP I1.9B
- C. 8" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR
- D. SUBGRADE COMPACTED TO 100% STANDARD PROCTOR
- E. 2.0' STANDARD CURB & GUTTER
- F. MINIMUM 5" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR BENEATH CURB
- G. 4.0" CONCRETE SIDEWALK, MAXIMUM 2.0% CROSS SLOPE

PROJECT MANAGER:	MAH	 <p>Harrisburgnc <i>The right side of opportunity</i></p>	TYPICAL RESIDENTIAL CUL-DE-SAC SECTION
DRAWN BY:	PMK		DRAWING NUMBER: 6 OF 15
DATE:	5/17/2022		



PROJECT MANAGER:	MAH	 Harrisburgnc <i>The right side of opportunity</i>	CATCH BASIN IN STANDARD CURB & GUTTER
DRAWN BY:	PMK		
DATE:	5/17/2022		DRAWING NUMBER: 7 OF 15

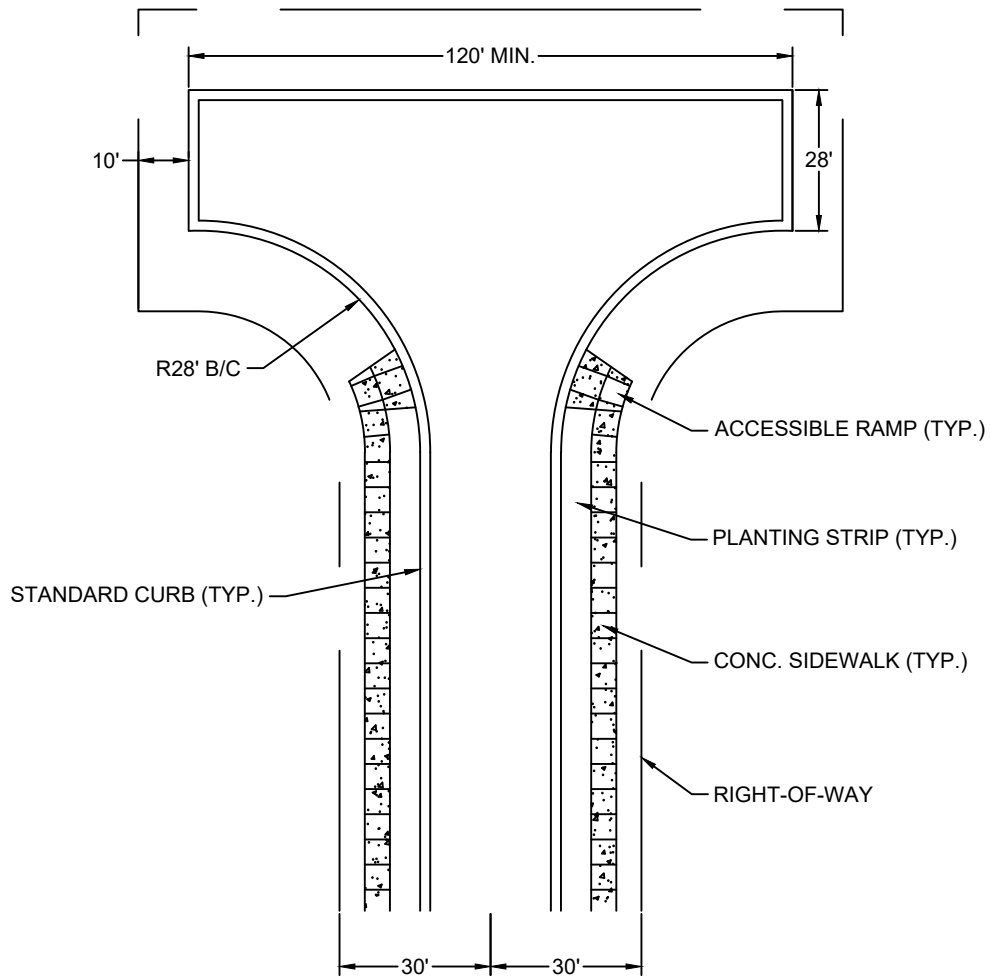


CROSS-SECTION

NOTES:

1. SPACING 8' MAX. WITH STANDARD STRENGTH FABRIC WITH WIRE FENCE. SPACING 6' MAX. WITH EXTRA STRENGTH FABRIC WITHOUT WIRE FENCE.
2. EROSION CONTROL STRUCTURES INDICATED ON PLANS ARE TO BE INSTALLED PRIOR TO ANY DIGGING OR DISRUPTION OF VEGETATION. CONTRACTOR SHALL MAINTAIN ALL ROADSIDE DRAINAGE DITCHES FREE OF SEDIMENT.
3. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN A SATISFACTORY MANNER BY REMOVING SEDIMENT OR REPLACING STRUCTURE IF REQUIRED BY RESIDENT INSPECTOR OR STATE AUTHORITIES. OTHER MEASURES MAY BE REQUIRED DEPENDING ON LOCAL WEATHER OR GROUNDWATER CONDITIONS.
4. CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL AND EROSION CONTROL STRUCTURES FROM PROJECT AFTER COMPLETION OF PROJECT.
5. USE RIP-RAP WHERE REQUIRED ON ANY DISTURBED STREAM BANKS. CONTRACTOR SHALL PLAN WORK SO THAT STOCKPILES OF EARTH ARE NOT SUBJECT TO WASHING INTO ANY STREAM OR DRAINAGE STRUCTURE BY EITHER NORMAL SURFACE DRAINAGE OR FLOODING OF THE STREAM.
6. ALL AREAS NOT TO BE PAVED OR GRAVELED ARE TO BE GRASSED WITHIN 30 DAYS OF BACKFILL AS REQUIRED BY EROSION CONTROL REGULATIONS.

PROJECT MANAGER:	MAH		SEDIMENT FENCE
DRAWN BY:	PMK		
DATE:	5/17/2022		DRAWING NUMBER: 8 OF 15



NOTES:

1. VARIATIONS ON THIS DESIGN CAN BE SUBMITTED TO THE TOWN FOR REVIEW AND APPROVAL ON A CASE BY CASE BASIS.
2. SIDEWALK MAY BE REQUIRED TO EXTEND AROUND THE HAMMERHEAD WHERE PARKS OR SCHOOLS HAVE FRONTAGE TO THE END OF THE HAMMERHEAD.

PROJECT MANAGER:	MAH	 <p>Harrisburgnc <i>The right side of opportunity</i></p>	RESIDENTIAL HAMMERHEAD INTERSECTION
DRAWN BY:	PMK		DRAWING NUMBER: 9 OF 15
DATE:	5/17/2022		

NOTE:

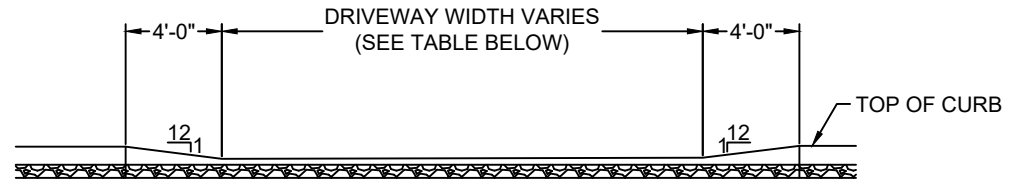
- 1/2" EXPANSION JOINTS REQUIRE INSTALLATION OF ONE 1/2" THICK PIECE OF BITUMINOUS FIBER THROUGH THE ENTIRE SLAB.
- PAY LIMITS FOR WORK DONE UNDER TOWN OF HARRISBURG CONTRACTS ARE FROM EXPANSION JOINT TO EXPANSION JOINT.

GENERAL NOTES:

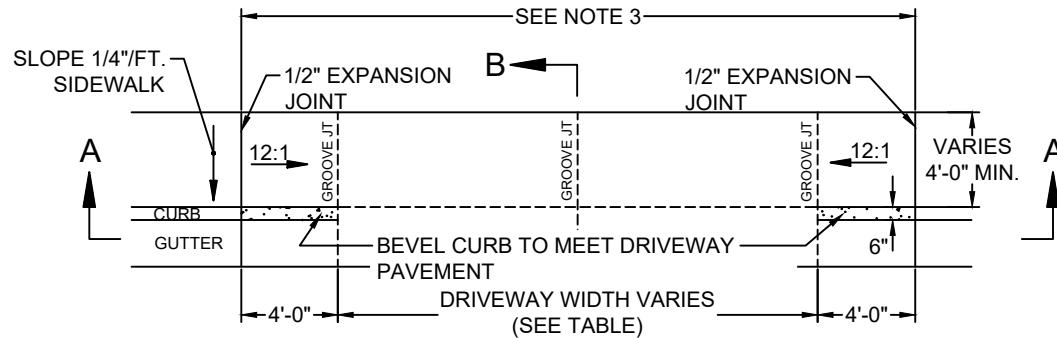
ALL CONCRETE TO BE 3000 P.S.I. COMPRESSIVE STRENGTH

ALL CURB OR CURB AND GUTTER AND SIDEWALKS ARE TO BE REMOVED TO THE NEAREST JOINT BEYOND NEW CONSTRUCTION, OR CUT WITH A SAW AND REMOVED. SAW CUT OR JOINT TO BE PERPENDICULAR TO EDGE OF EXISTING PAVEMENT.

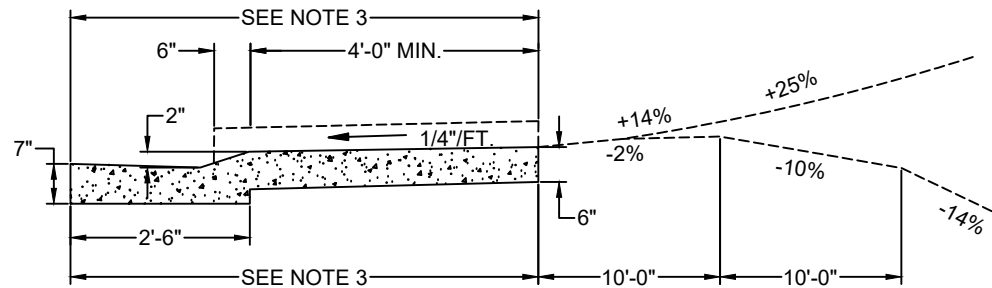
DRIVEWAY CLASSIFICATION		
TYPE DRIVEWAY	MINIMUM	MAXIMUM
TYPE I-RESIDENTIAL	15'	20'
ONE-WAY TYPE II COMMERCIAL	20'	30'
TWO-WAY TYPE II COMMERCIAL	26'	50'



SECTION A-A



PLAN

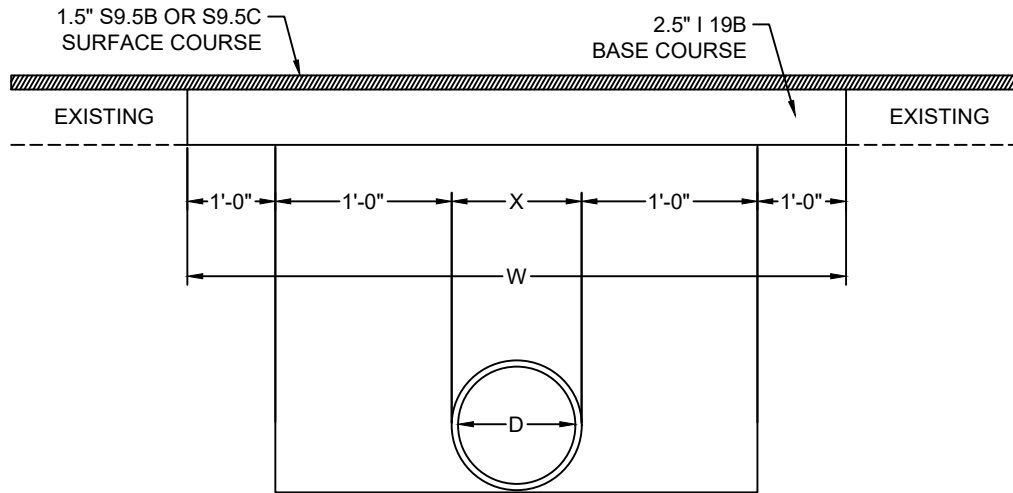


SECTION B-B

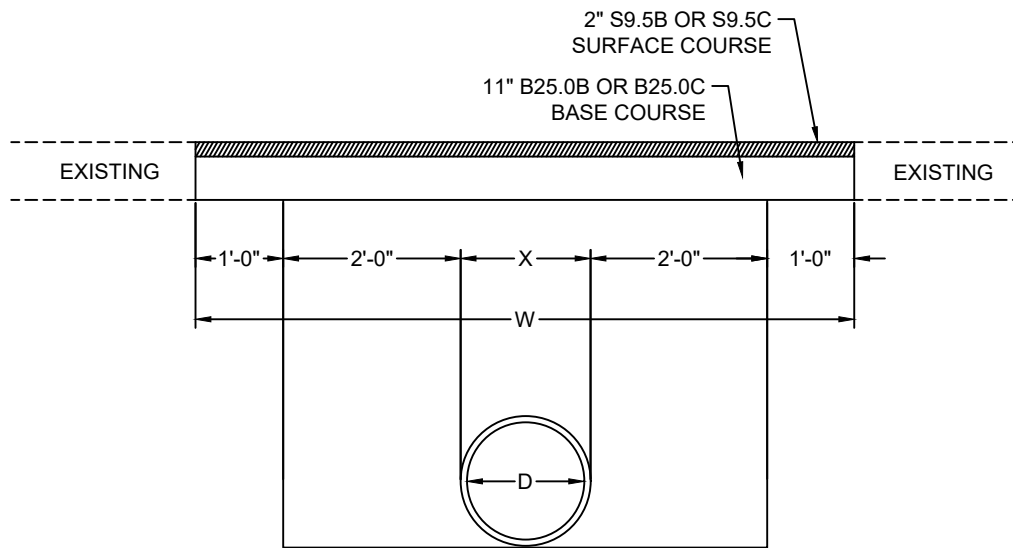
PROJECT MANAGER:	MAH
DRAWN BY:	PMK
DATE:	5/17/2022



COMMERCIAL & RESIDENTIAL DROP CURB
DRAWING NUMBER: 10 OF 15

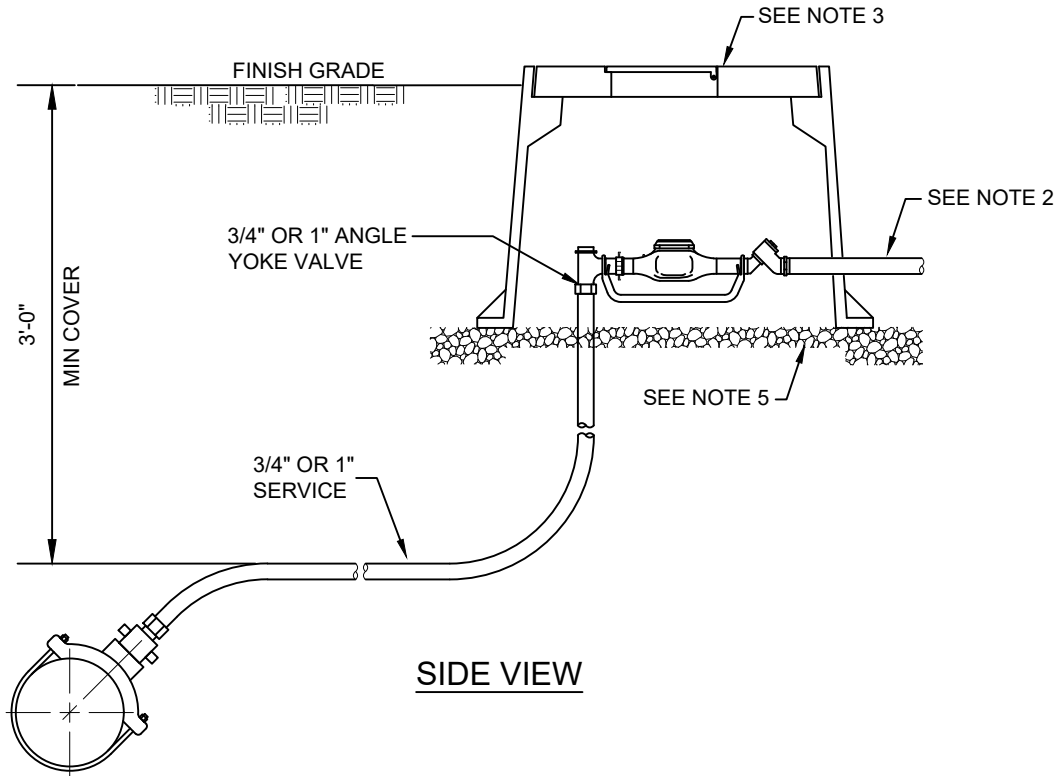


PAVEMENT REPAIRS ON ROADS
(PIPE IS PLACED UNDER EXISTING PAVEMENT)



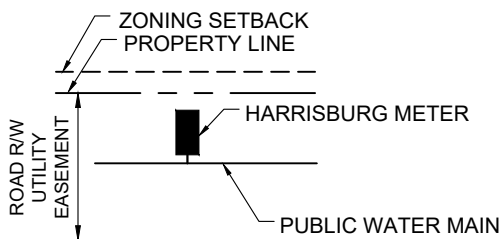
PAVEMENT REPAIRS ON ROADS NOT TO BE SURFACED
(PIPE IS PLACED UNDER EXISTING PAVEMENT)

PROJECT MANAGER:	MAH	 Harrisburgnc <i>The right side of opportunity</i>	PAVEMENT REPAIR SECTION
DRAWN BY:	PMK		DRAWING NUMBER: 11 OF 15
DATE:	5/17/2022		



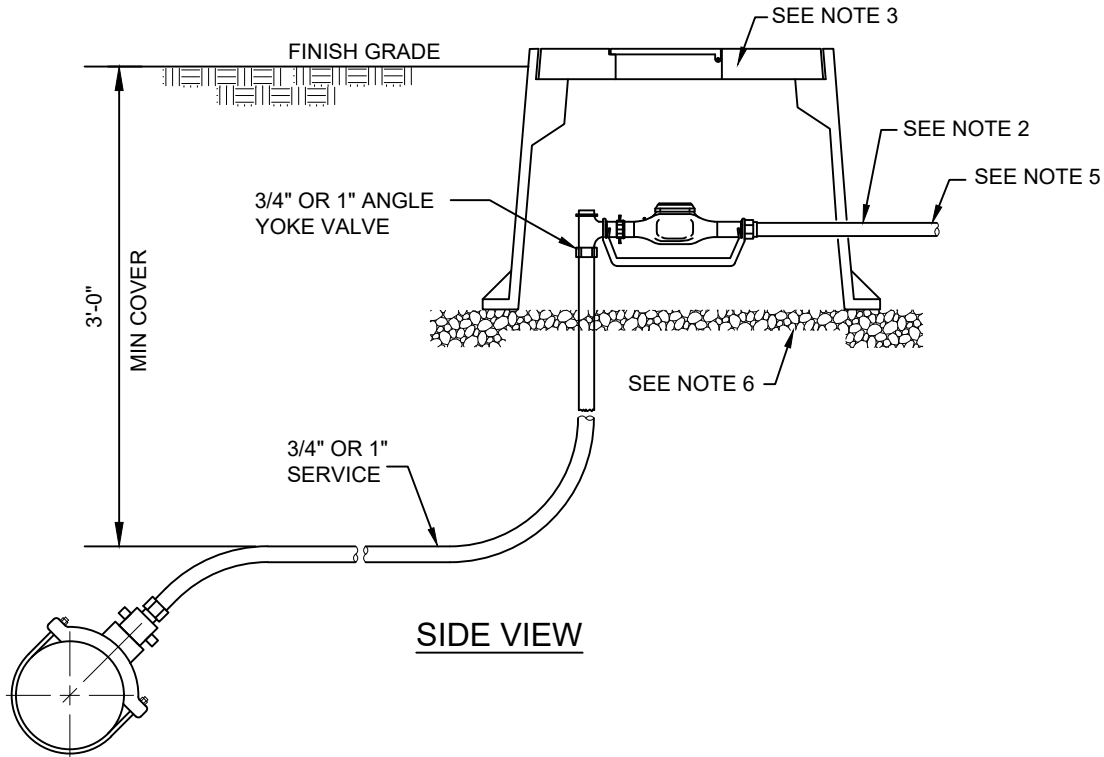
NOTES:

1. REHAU MUNICIPEX WATER SERVICE LINE. AWWAC904, ASTM F876 PEXa WITH A 200 PSI WORKING PRESSURE. MANUFACTURER WILL CO-EXTRUDE, BLUE-COLORED ULTRAVIOLET (UV) SHIELD ON EXTERIOR AND ISSUE A 1-YEAR WARRANTY FOR UV PROTECTION.
2. PROVIDE 12" BRASS NIPPLE PAST BOX.
3. THE METER HOUSING SHALL BE MID STATE PLASTICS OR EQUAL; 3/4-INCH BOX MSBCF - 1118-12XL AND LID MSCBC-1118- RTR; AND 1-INCH BOX MSBCF - 1324-12XL AND LID MSCBC-1324- RTR. METER BOX RIM SHALL BE SET 2" ABOVE FINAL GRADE. THE WATER METER BOX ASSEMBLY SHALL NOT BE LOCATED WITHIN A ROAD, STREET, DRIVEWAY, SIDEWALK OR DRAINAGE FEATURE.
4. ALL APPURTENANCES FOR THE INSTALLATION OF THE WATER METER; THE METER, BRASS GROUND LOCKABLE METER CUTOFF, GASKETS, AND EXPANSION CONNECTION; SHALL BE INSTALLED BY THE UTILITY OWNER, UNLESS OTHERWISE SPECIFIED.
5. THE BASE OF THE METER BOX MUST HAVE AT LEAST 6-INCHES TO 8-INCHES OF #57 WASHED STONE.



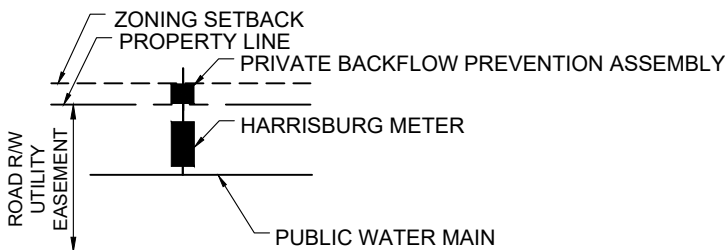
TYPICAL LOCATION REQUIREMENT

PROJECT MANAGER:	MAH	 Harrisburgnc <i>The right side of opportunity</i>	3/4" AND 1" RESIDENTIAL WATER SERVICE METER
DRAWN BY:	PMK		
DATE:	5/17/2022		DRAWING NUMBER: 12 OF 15



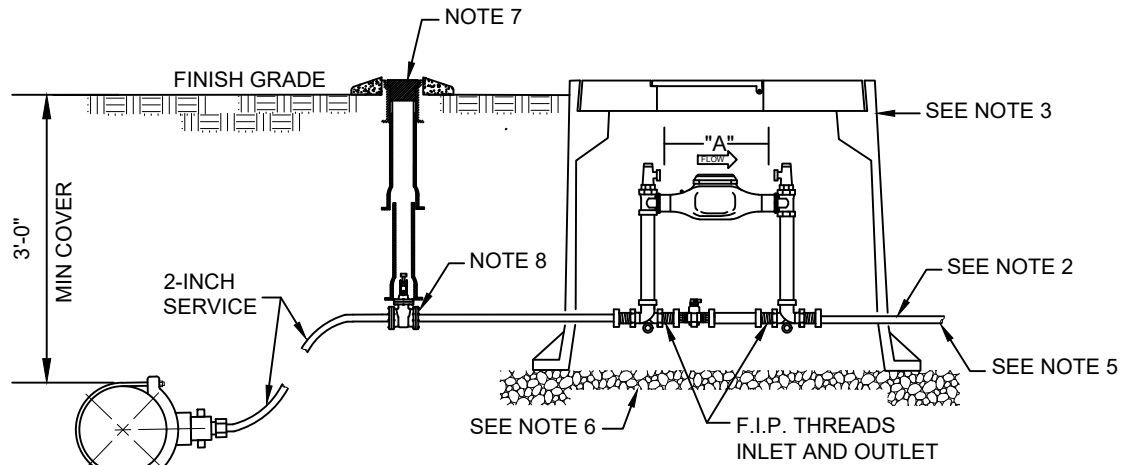
NOTES:

1. REHAU MUNICIPEX WATER SERVICE LINE. AWWAC904, ASTM F876 PEXa WITH A 200 PSI WORKING PRESSURE. MANUFACTURER WILL CO-EXTRUDE, BLUE-COLORED ULTRAVIOLET (UV) SHIELD ON EXTERIOR AND ISSUE A 1-YEAR WARRANTY FOR UV PROTECTION.
2. PROVIDE 12" BRASS NIPPLE PAST BOX.
3. METER BOXES SHALL BE PLASTIC BODY AND LID. THE METER HOUSING SHALL BE MID STATE PLASTICS OR EQUAL: 3/4-INCH BOX MSBCF - 1118-12XL AND LID MSCBC-1118-RTR; AND 1-INCH BOX MSBCF - 1324-12XL AND LID MSCBC-1324-RTR. METER BOX RIM SHALL BE SET 2" ABOVE FINAL GRADE. THE WATER METER BOX ASSEMBLY SHALL NOT BE LOCATED WITHIN A ROAD, STREET, DRIVEWAY, SIDEWALK OR DRAINAGE FEATURE.
4. ALL APPURTENANCES FOR THE INSTALLATION OF THE WATER METER: THE METER, BRASS GROUND LOCKABLE METER CUTOFF, GASKETS, AND EXPANSION CONNECTION: SHALL BE INSTALLED BY THE UTILITY OWNER, UNLESS OTHERWISE SPECIFIED.
5. BACKFLOW PREVENTION ASSEMBLY SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CROSS-CONNECTION CONTROL ORDINANCES OR REQUIREMENTS.
6. THE BASE OF THE METER BOX MUST HAVE AT LEAST 6 INCHES TO 8 INCHES OF #57 WASHED STONE.



TYPICAL LOCATION REQUIREMENT

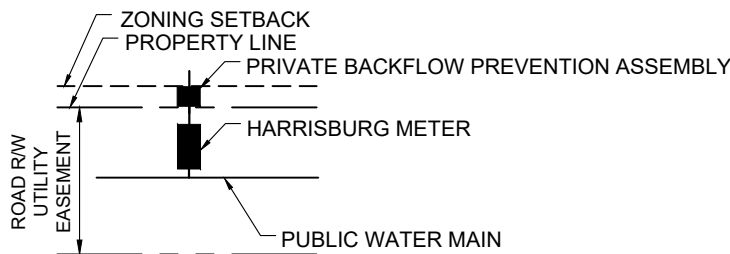
PROJECT MANAGER:	MAH		3/4" AND 1"
DRAWN BY:	PMK		IRRIGATION AND COMMERCIAL WATER SERVICE METER
DATE:	5/17/2022		DRAWING NUMBER: 13 OF 15



SIDE VIEW

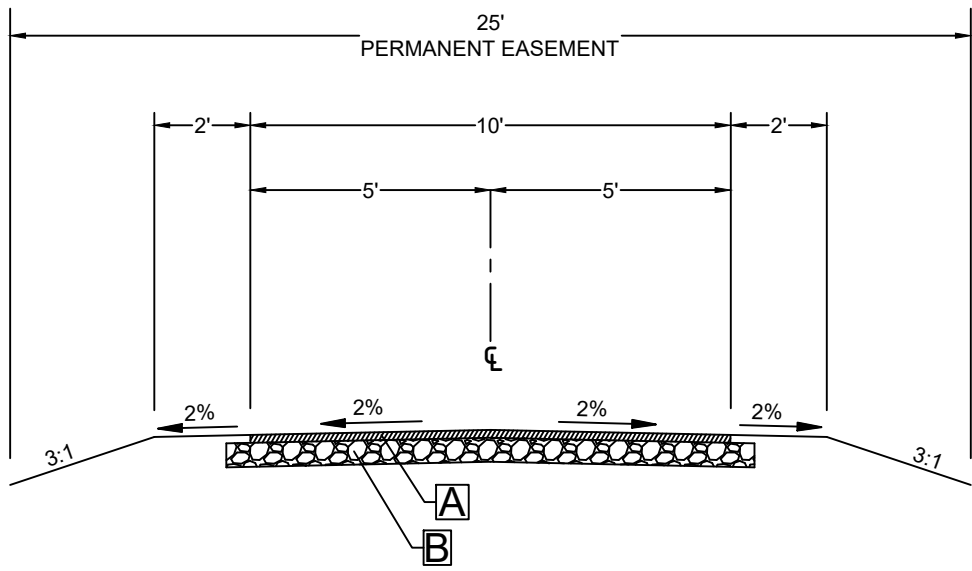
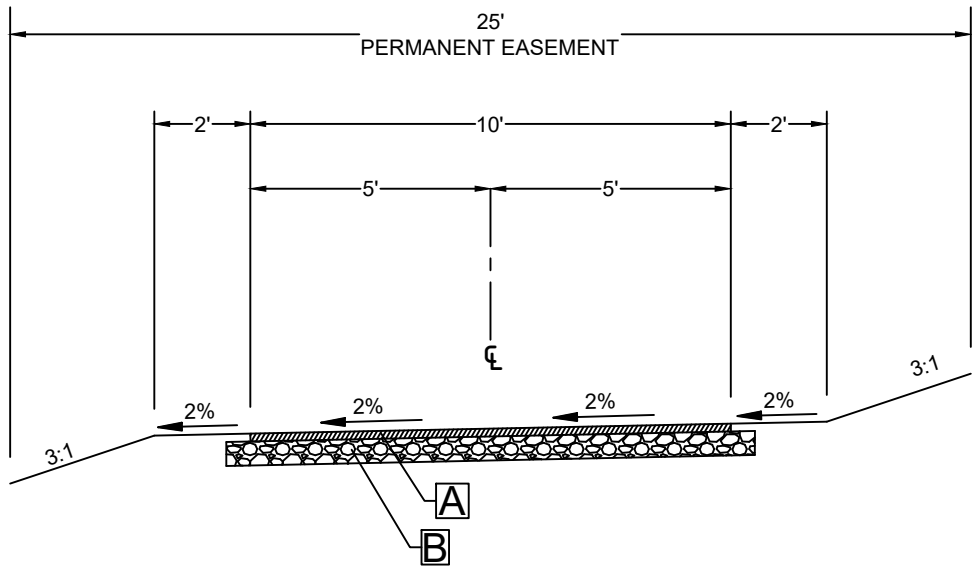
NOTES:

1. REHAU MUNICIPEX WATER SERVICE LINE. AWWAC904, ASTM F876 PEXa WITH A 200 PSI WORKING PRESSURE. MANUFACTURER WILL CO-EXTRUDE, BLUE-COLORED ULTRAVIOLET (UV) SHIELD ON EXTERIOR AND ISSUE A 1-YEAR WARRANTY FOR UV PROTECTION.
2. PROVIDE 12" BRASS NIPPLE PAST BOX.
3. METER BOXES SHALL BE PLASTIC BODY AND LID. THE METER HOUSING SHALL BE MID STATE PLASTICS OR EQUAL: 2-INCH BOX MSBCF-1730-18XL AND LID MSCBC-1730-RTR. METER BOX RIM SHALL BE SET 2" ABOVE FINAL GRADE. THE WATER METER BOX ASSEMBLY SHALL NOT BE LOCATED WITHIN A ROAD, STREET, DRIVEWAY, SIDEWALK OR DRAINAGE FEATURE.
4. ALL APPURTENANCES FOR THE INSTALLATION OF THE WATER METER; THE METER, BRASS GROUND LOCKABLE METER CUTOFF, GASKETS, AND EXPANSION CONNECTION; SHALL BE INSTALLED BY THE UTILITY OWNER, UNLESS OTHERWISE SPECIFIED.
5. BACKFLOW PREVENTION ASSEMBLY SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CROSS-CONNECTION CONTROL ORDINANCES OR REQUIREMENTS.
6. THE BASE OF THE METER BOX MUST HAVE AT LEAST 6-INCHES TO 8-INCHES OF #57 WASHED STONE.
7. VALVE BOX PROTECTION WITH CONCRETE PROTECTOR RING, CAST IRON 2-PIECE SLIDE TYPE VALVE BOX WITH TRACER WIRE FOR WATER SERVICE LOCATION. VALVE BOX SHALL NOT BE LOCATED WITHIN ANY FEATURE CONVEYING OR POOLING STORMWATER.
8. 2-INCH RESILIENT-SEATED GATE VALVE.
9. NO CONNECTIONS, FITTINGS, VALVES OR OTHER APPURTENANCES TO BE INSTALLED WITHIN THE RIGHT-OF-WAY.



TYPICAL LOCATION REQUIREMENT

PROJECT MANAGER:	MAH	 <i>The right side of opportunity</i>	2" COMMERCIAL WATER SERVICE METER
DRAWN BY:	PMK		
DATE:	5/17/2022		DRAWING NUMBER: 14 OF 15



DIMENSIONS FOR GREENWAY

TYPICAL CROSS SECTION AND MINIMUM PAVEMENT SECTION

- A. 1.5" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B
- B. 8" AGGREGATE BASE COURSE COMPACTED TO 100% STANDARD PROCTOR

NOTES:

1. GREENWAY TRAILS SHALL MEET ADA STANDARDS. LONGITUDINAL SLOPES UP TO 8% WITH LANDINGS ARE ACCEPTABLE FOR SHORT DISTANCES WHERE 5% GRADES ARE NOT POSSIBLE.
2. SUBGRADE SHALL BE PROOF-ROLLED AND APPROVED BY THE TOWN CONSTRUCTION INSPECTOR PRIOR TO PAVING.
3. THE EDGES OF THE TRAIL SHALL BE A MINIMUM DISTANCE OF 5 FEET FROM TREES, RAISED MANHOLES, AND OTHER RAISED UTILITIES.
4. THE MINIMUM CENTERLINE RADIUS SHALL BE 50 FEET.
5. TREE LIMBS SHALL BE TRIMMED UP TO 10 FEET ABOVE THE FINISHED TRAIL GRADE AND WITHIN 10 FEET HORIZONTALLY FROM THE TRAIL EDGES. DANGEROUS TREE LIMBS OVER THE TRAIL AND DEAD TREES NEAR THE TRAIL SHALL BE REMOVED AS DETERMINED BY THE TOWN.

PROJECT MANAGER:	MAH		TYPICAL GREENWAY SECTION
DRAWN BY:	PMK		
DATE:	5/24/2022		DRAWING NUMBER: 15 OF 15