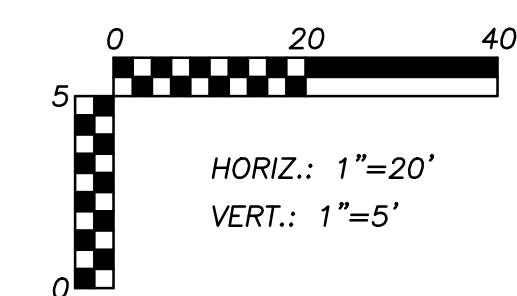


NOTE:  
ENGINEER SHALL APPROVE SHOP DRAWINGS PRIOR TO  
FABRICATION OF ALL STORM STRUCTURES.

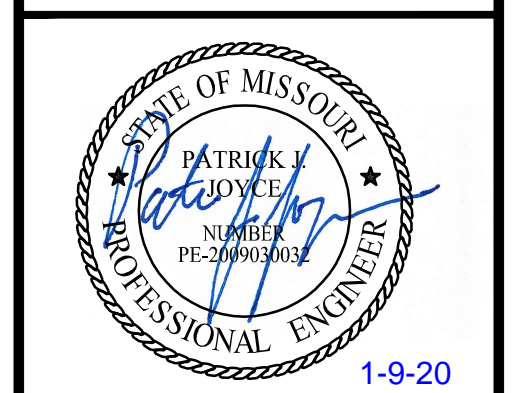


REVISONS			DRAWING INFO.		
NO.	DESCRIPTION	BY	DATE	DRAWN BY:	GC
1.	REVISED PER CITY COMMENTS	GC	2/18/19	CHECK BY:	PJ
2.	REVISED PER CITY COMMENTS	GC	1/9/2020	LICENSE NO.	PE-20069030032
				DATE:	12/18/2019
				FIELD BOOK:	
				JOB NUMBER:	18CO10004
© COPYRIGHT ANDERSON ENGINEERING, INC. 2017					

PL2019145 SUMMIT ORCHARD LOT 4  
INFRASTRUCTURE IMPROVEMENTS

STORM PLAN AND PROFILE

LEE'S SUMMIT - JACKSON COUNTY - MISSOURI





1. ALL CONCRETE SHALL BE 4000 psi.
2. JUNCTION BOX CONSTRUCTION NOTES SHALL LIST THE "L" DIMENSION FIRST, THE "W" DIMENSION SECOND, AND THE "H" DIMENSION THIRD.
3. FLOOR OF JUNCTION BOX SHALL HAVE A SHAPED CONCRETE INVERT TO PROVIDE FOR SMOOTH FLOW.
4. THE MINIMUM DIMENSION BETWEEN TOP OF PIPE AND TOP OF BOX SHALL BE 1'-6" (TYPICAL ALL WALLS)
5. STEPS SHALL COMPLY WITH THE CITY OF LEE'S SUMMIT PUBLIC WORKS APPROVED PRODUCT LIST. THE TOP STEP SHALL BE NO MORE THAN 30" BELOW THE RIM ELEVATION AS SHOWN ON THE PLANS. THE REMAINING STEPS SHALL BE SPACED NO MORE THAN 1'-9" APART.



Not to Scale



NOTES

1. ALL CONCRETE SHALL BE 4000 PSI.
2. THE FIRST DIMENSION LISTED IN THE CONSTRUCTION NOTES IS THE "L" DIMENSION. THE SECOND DIMENSION IS THE "W" DIMENSION.
3. FLOOR OF INLET SHALL BE SHAPED WITH NON-REINFORCED CONCRETE INVERT TO PROVIDE SMOOTH FLOW.
4. EXPANSION JOINTS SHALL BE EITHER HOT OR COLD POURED JOINT SEALING COMPOUND, OR PREMOLDED EXPANSION JOINT FILLER.
5. STEEL INLET FRAME SPACERS SHALL BE PLACED AT EQUAL SPACINGS NOT TO EXCEED 4'-0".
6. BEVEL ALL EXPOSED EDGES WITH TRIANGULAR MOLDING.
7. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BARS. 2" CLEARANCE SHALL BE PROVIDED THROUGHOUT UNLESS NOTED OTHERWISE. TOLERANCE OF  $\pm 1/8"$  SHALL BE PERMITTED.
8. ALL LAP SPLICES NOT SHOWN SHALL BE A MINIMUM OF 40 BAR DIAMETERS IN LENGTH.
9. ALL DOWELS SHALL BE ACCURATELY PLACED AND SECURELY TIED IN PLACE PRIOR TO PLACEMENT OF BOTTOM SLAB CONCRETE. STICKING OF DOWELS INTO FRESH OR PARTIALLY HARDENED CONCRETE WILL NOT BE ACCEPTABLE.
10. ALL REINFORCING STEEL SHALL BE SUPPORTED ON FABRICATED STEEL BAR SUPPORTS @ 3'-0" MAXIMUM SPACING.
11. DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS OR CLEARANCES. ANY QUESTIONS REGARDING DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
12. THE BOTTOM SLAB SHALL BE AT LEAST 24 HOURS OLD BEFORE PLACING SIDEWALK CONCRETE. ALL SIDEWALK FORMS SHALL REMAIN IN PLACE A MINIMUM OF 24 HOURS AFTER SIDEWALKS ARE POURED BEFORE REMOVAL, AND AFTER REMOVAL SHALL BE IMMEDIATELY TREATED WITH MEMBRANE CURING COMPOUND.
13. RCP CONNECTIONS TO PRECAST STRUCTURES SHALL HAVE A MINIMUM OF 6" OF CONCRETE AROUND THE ENTIRE PIPE WITHIN 2' OF THE STRUCTURE.
14. THE CONCRETE THICKNESS AND REINFORCEMENT SHOWN IS FOR BOXES WITH ("L"+"H") AND ("W"+"H") LESS THAN OR EQUAL TO 20. FOR BOXES WITH EITHER OF THESE CALCULATIONS GREATER THAN 20, A SPECIAL DESIGN IS REQUIRED.
15. STEPS SHALL COMPLY WITH THE CITY OF LEE'S SUMMIT PUBLIC WORKS APPROVED PRODUCTS LIST. THE TOP STEP SHALL BE NO MORE THAN 30" BELOW THE RIM ELEVATION AS SHOWN ON THE PLANS. THE REMAINING STEPS SHALL BE SPACED NO MORE THAN 1'-9" APART.



\*\*NOTE: WALL THICKNESS (TW) SHALL BE 6" FOR STRUCTURES 0'-8' DEEP, AND 8" FOR STRUCTURES OVER 8' DEEP.

Not to Scale

PL2019145 SUMMIT ORCHARD LOT 4  
INFRASTRUCTURE IMPROVEMENTS

## DETAILS

1-9-20

SHEET NUMBER  
C2.0  
OF 2