

PLAN OF RECORD

This record drawing is a compilation of the sealed engineering drawing for permit and construction, by others, modified based on a field observation by BIG RED DGS. The information shown on the record drawings that was provided for permit and construction, by others not associated with the record drawing engineer, cannot be verified for accuracy or completeness. Review is for general conformance with construction documents and on-site improvements. The original approved sealed drawings are on file at the offices of the City of Rockwall.

Therefore, with the exceptions noted and clouded, this "Plan of Record" is true and correct to the best of my knowledge and was prepared under my supervision.

[Signature]

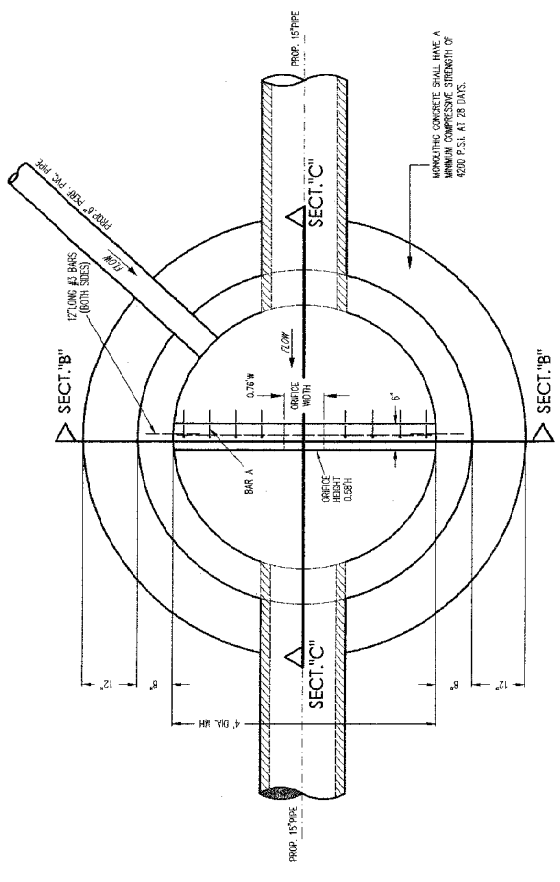


September 28, 2018

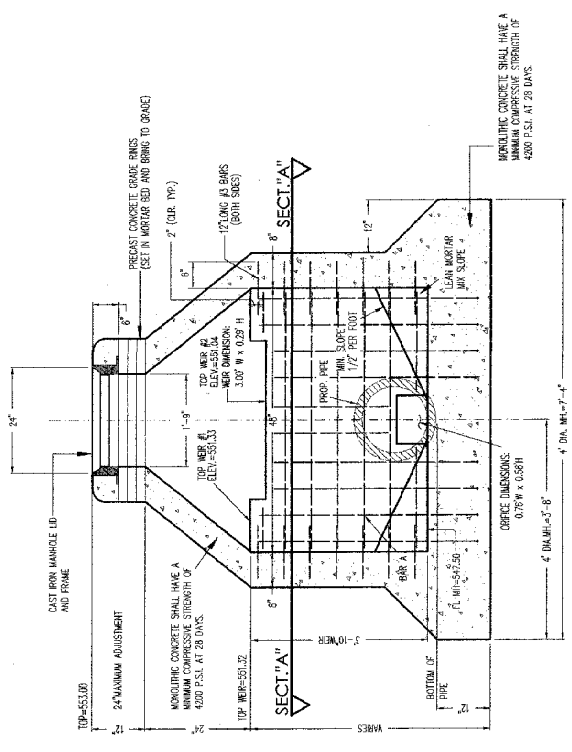
Deliverable System	Alternate 5 10 YR Rate (cfs)	Peak Storage (cfs)	Peak Elevation (ft)	Calculated Release Rate (cfs)	Alternate 20 YR Rate (cfs)	Peak Storage (cfs)	Peak Elevation (ft)	Calculated Release Rate (cfs)	Alternate 100 YR Rate (cfs)	Peak Storage (cfs)	Peak Elevation (ft)	Calculated Release Rate (cfs)																				
C	2.88	2102.64	549.80	2.88	3.58	2424.36	549.85	3.08	4.00	2887.40	550.24	3.33																				
<p>Larsen Retail Site Basin C</p> <p>5 YR Peak Flow Rate = 2.88 Top of MH = 543.00 FL = 547.50 Top of Weir = 551.04 Office = 549.85 Cover = 3.00</p> <p>Office Flow $Q = CVA\sqrt{2gh}$</p> <table border="1"> <thead> <tr> <th>W (ft)</th> <th>H (ft)</th> <th>Area (sq ft)</th> <th>Centroid Elevation</th> </tr> </thead> <tbody> <tr> <td>0.78</td> <td>0.48</td> <td>0.37</td> <td>547.76</td> </tr> <tr> <td>1.5</td> <td>1.80</td> <td>2.70</td> <td>545.24</td> </tr> </tbody> </table> <p>Weir Flow $Q = CLA^{3/2}$</p> <table border="1"> <thead> <tr> <th>W (ft)</th> <th>L (ft)</th> <th>Q (cfs)</th> <th>Q (cfs)</th> </tr> </thead> <tbody> <tr> <td>0.28</td> <td>3.00</td> <td>0.50</td> <td>10.27</td> </tr> </tbody> </table>													W (ft)	H (ft)	Area (sq ft)	Centroid Elevation	0.78	0.48	0.37	547.76	1.5	1.80	2.70	545.24	W (ft)	L (ft)	Q (cfs)	Q (cfs)	0.28	3.00	0.50	10.27
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THE ENGINEER'S SEAL APPEARING IN THIS BOX APPLIES ONLY TO THE WEIR AND OFFICE HYDRAULIC CALCULATIONS FOR THE CONCRETE WEIR ON THIS SHEET.

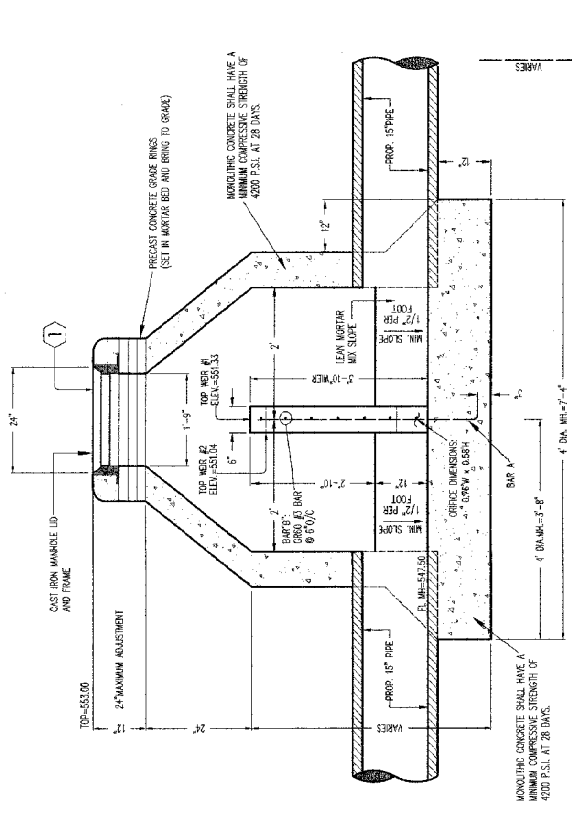
- NOTES:
- WHERE PIPES ENTER A MANHOLE THERE SHALL BE MINIMUM OF TWO-TENTHS OF A FOOT (0.2') DROP BETWEEN INVERTS.
 - WHERE UNEQUAL PIPE ENTER A MANHOLE, THE CROWN OF THE PIPES SHALL BE SET AT THE SAME ELEVATION.
 - CONCRETE SHALL BE A MONOLITHIC POUR.
 - ADDITIONAL MANHOLE REINFORCING OTHER THAN SHOWN IN DETAIL BELOW SHALL BE BY MANUFACTURER'S RECOMMENDATIONS.
 - ALL REINFORCING STEEL SHALL HAVE A MINIMUM OF 2" CLEAR COVER.



SECTION DETAIL "A"
N15



SECTION DETAIL "B"
N15

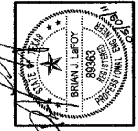


SECTION DETAIL "C"
N15

NOTE: ALL REINFORCING STEEL FOR WEIR SHALL BE EPOXY COATED.

OUTLET CONTROL STRUCTURE "C"

THE ENGINEER'S SEAL APPEARING IN THIS BOX APPLIES ONLY TO THE STRUCTURAL DETAILS FOR THE CONCRETE WEIR ON THIS SHEET.



SITE BENCHMARK: CUT "X" ON TOP OF NORTH CURBLINE OF EXISTING CONCRETE DRIVE APPROX. 45 FEET SOUTH OF SOUTH BUILDING WALL OF GALAXY RANCH PRIVATE SCHOOL AND 148 FEET +/- EAST OF EXISTING EAST CURBLINE OF T.L. TOWNSEND LANE. ELEVATION = 554.56

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REVISIONS	DATE	BY	CHKD

DESIGN	DRAWN	SCALE	DATE	NO.

SHEET NO.	TOTAL SHEETS	CONTROLLER
11	16	852-0884