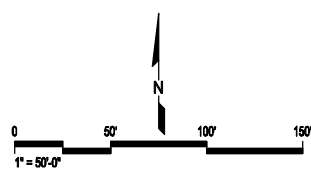


Existing Floodplain Limits prior to replacing culverts

Proposed Floodplain Limits after replacing culverts

- LEGEND:**
- PROFILE BASELINE
  - PROPOSED 1% Annual Chance Floodplain Boundary (LOMR)
  - PROPOSED SPECIAL FLOOD HAZARD - Subject to Inundation by the 1% Annual Chance Flood (LOMR)
  - 1000 — CROSS SECTION LINE - LOMR Study
  - MINOR CONTOUR INTERVAL (LIDAR)
  - 470 — MAJOR CONTOUR INTERVAL (LIDAR)
  - MINOR CONTOUR INTERVAL (FIELD SURVEY)
  - 470 — MAJOR CONTOUR INTERVAL (FIELD SURVEY)
  - EXISTING BUILDING
  - PL — PROPERTY LINE
  - ROW — RIGHT-OF-WAY LINE
  - 1% Annual Chance Floodplain Boundary (FIRM)



**CRYSTAL SPRINGS CREEK - PROPOSED FLOODPLAIN**  
 SCALE ON 22x34: 1" = 50'  
 SCALE ON 11x17: 1" = 100'

- GENERAL NOTES:**
- LIMITS OF THE FLOODPLAIN SHOWN ON THIS DRAWING WERE DEVELOPED USING GeoHECRAS SURFACE WATER ELEVATION DATA FROM TOPOGRAPHIC CONTOURS AND THE MODEL OUTPUT RESULTS.
  - SURVEY DATA WAS DEVELOPED FROM A COMBINATION OF LIDAR DATA CONTOURS AND TOPOGRAPHIC FIELD SURVEY DATA OBTAINED IN JANUARY 2019 BY CDG ENGINEERS OF THE CRYSTAL SPRINGS CREEK FROM UPSTREAM OF SOUTH 5th STREET CULVERT TO DOWNSTREAM OF RIO VISTA DRIVE CULVERT.
  - HYDRAULIC ANALYSIS BEGAN AT THE FEMA FIS REPORT 'LIMITS OF DETAIL STUDY' AT A KNOWN WATER SURFACE ELEVATION OBTAINED FROM THE FIS REPORT FLOOD PROFILE OF CRYSTAL SPRINGS CREEK.
  - HYDRAULIC ANALYSIS ENDED APPROXIMATELY 500 FEET ABOVE THE SOUTH 5th STREET CULVERT.

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV.	DATE	DESCRIPTION	APPROVED
A	03/14/19	ISSUED FOR LOMR REVIEW	SGH

T:\Working\18116 - St. Charles - LOMR- Rio Vista & S 5th St\Drawings\FP-101 - Certified Topographic Map.dwg Printed by: MVOSS Plot scale = 0.368683