



- 1 AGRICULTURAL CHANNEL - drainage transecting pastures and fields
- 2 BACKWATER WETLAND - expanded areas of drainage above obstructions
- 3 ENGINEERED FLOODWAY - concrete lined channels
- 4 HERBACEOUS WETLAND - marshes, pondmargins and protected places along channels
- 5 MODIFIED CHANNEL - channelized, eroded (earth bottom)
- 6 OPEN WATER - ponds, reservoirs (excludes flowing channel)
- 7 RIPARIAN FOREST - cottonwood and conifers along channel
- 8 SHRUB WETLAND - willow in and along channel (no tree overstory)
- 9 PRAIRIE SWALE - low lying grassy and weedy depressions along drainages

EXIST. 36" RCP PROP. 30" RCP PARALLEL	
EXIST. 60" RCP PROP. 60" RCP PARALLEL	
EXIST. 7'-12" x 6' CBC's PROP. 10'-12" x 9' CBC's OR BRIDGE WITH EQUIV. OPEN- ING. INV. UPSTREAM = 6488±	

REACH	HEC-1 FLOW W/40% (CFS)	CHANNEL LENGTH (FT)	EXISTING IMPROVEMENT	TOTAL BOTTOM WIDTH (FT)	TOTAL DEPTH (FT)	RECOMMENDED IMPROVEMENT
15 TO DESIGN POINT 15	8,416	2,500	P-LINED	150	8.0	CONCRETE CHANNEL WITH PALISADES, BUILT-UP EARTH BANKS & GRADE CONTROL
15 TO DESIGN POINT 14	8,790	1,400	P-LINED	150	7.5	INCREASE DEPTH OF EXISTING RIPRAP, LAYING ON NORTH SIDE & GRADE CONTROL
14 TO DESIGN POINT 14.1	8,598	1,300	P-LINED	200	8.0	
14.1 TO DESIGN POINT 13	8,508	1,900	P-LINED	200	8.5	INCREASE DEPTH OF EXISTING RIPRAP, LAYING ON NORTH SIDE
Q1 TO DESIGN POINT 19A	390	2,200	72" PIPE	36" RCP	N/A	PARALLEL PIPE (16250)
Q2 TO DESIGN POINT 16C	368	2,300	48" PIPE	N/A	N/A	NO IMPROVEMENT REQUIRED

REACH	HEC-1 FLOW W/40% (CFS)	CHANNEL LENGTH (FT)	EXISTING IMPROVEMENT	TOTAL BOTTOM WIDTH (FT)	TOTAL DEPTH (FT)	RECOMMENDED IMPROVEMENT
HE TO DESIGN POINT 16B	492	2,400	P-LINED	N/A	N/A	NO IMPROVEMENT REQUIRED
H3 TO DESIGN POINT 16	293	1,400	36" PIPE	30" RCP	N/A	PARALLEL PIPE (12,297)
H1 TO DESIGN POINT 14C	513	3,000	48" PIPE	48" RCP	N/A	PARALLEL PIPE (12,297)
Q1 TO DESIGN POINT 14B	426	3,700	48" PIPE	48" RCP	N/A	PARALLEL PIPE (12,297)
Q1 TO DESIGN POINT 14A	371	1,700	42" PIPE	36" RCP	N/A	PARALLEL PIPE (12,297)

LOCATION	HEC-1 FLOW W/40% (CFS)	BRIDGE LENGTH (FT)	EXISTING IMPROVEMENT	TOTAL BOTTOM WIDTH (FT)	TOTAL DEPTH (FT)	RECOMMENDED IMPROVEMENT
UNION BLVD. (DP 16B)	359	200	RCP - 60"	60" RCP	N/A	PARALLEL PIPE

LEGEND:

BASIN DESIGNATION

SUB-BASIN BOUNDARY

CITY LIMITS

EXIST. CROSS CULVERT OR BRIDGE

PROP. CROSS CULVERT OR BRIDGE

EXIST. BANK LINING

PROP. BANK LINING

PROPOSED DROP STRUCTURE

SHEET INDEX

MAPPING: LANDMARK MAPPING!

ENGINEER: URS

PROJECT:
COTTONWOOD CREEK DRAINAGE BASIN PLANNING STUDY
DRAINAGE PLAN