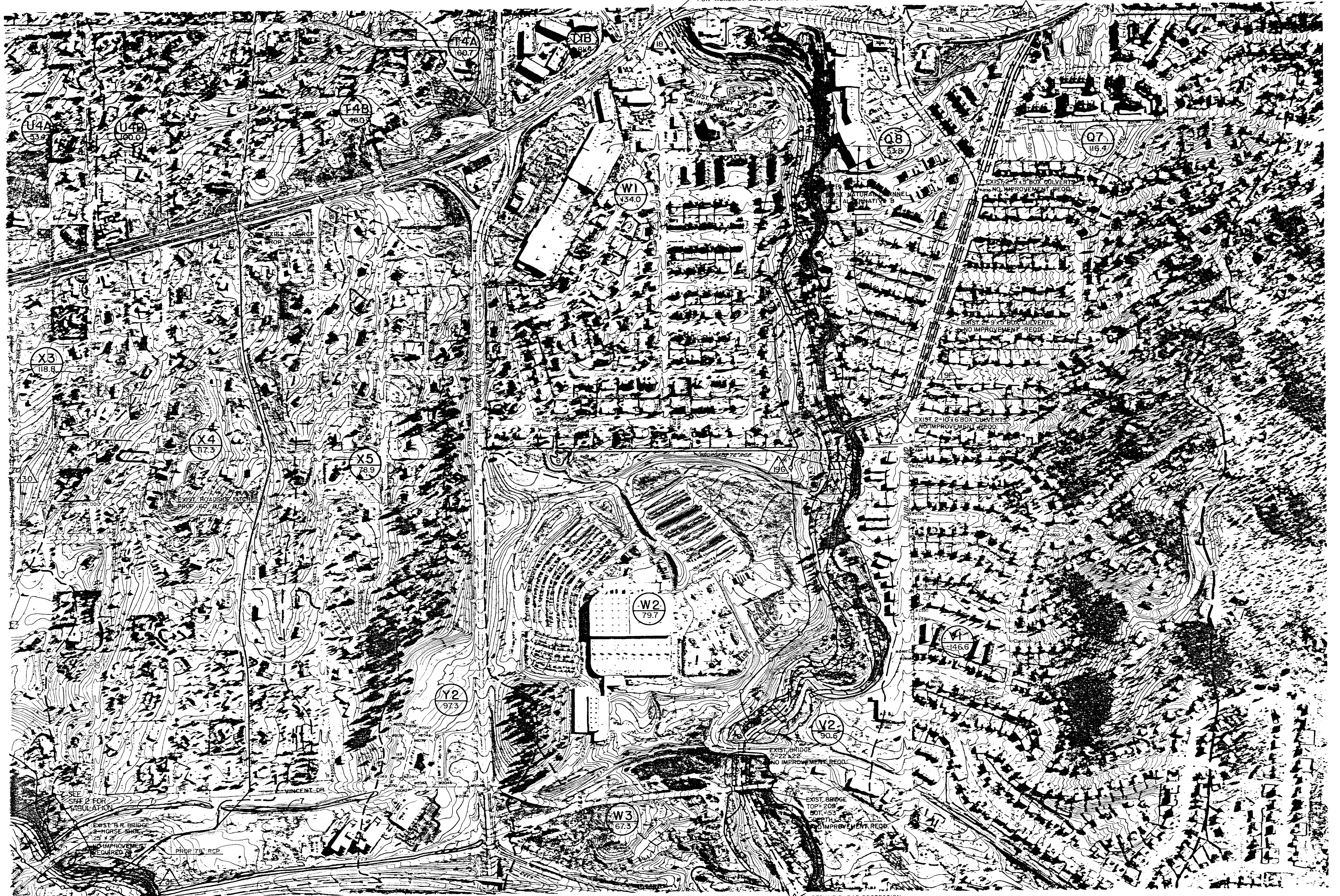


- 1 AGRICULTURAL CHANNEL - drainage transecting pastures and fields
2 BACKWATER WETLAND - expanded areas of drainage above obstructions
3 ENGINEERED FLOODWAY - concrete lined channels
4 HERBACEOUS WETLAND - marshes, pondmargins and protected places along channels
5 MODIFIED CHANNEL - channelized, eroded (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

REACH	HEC-1 FLOW W/DATE (CFS)	CHANNEL LENGTH (FT)	EXISTING IMPROVEMENT	TOTAL WIDTH (FT)	TOTAL DEPTH (FT)	TOTAL WIDTH (FT)	TOTAL DEPTH (FT)	RECOMMENDED IMPROVEMENT
21 TO DESIGN POINT 20	11,173	1,800	NATURAL	50	14.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
20 TO DESIGN POINT 19	11,172	2,400	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
19 TO DESIGN POINT 18	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
18 TO DESIGN POINT 17	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
17 TO DESIGN POINT 16	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
16 TO DESIGN POINT 15	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
15 TO DESIGN POINT 14	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
14 TO DESIGN POINT 13	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
13 TO DESIGN POINT 12	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
12 TO DESIGN POINT 11	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
11 TO DESIGN POINT 10	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
10 TO DESIGN POINT 9	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
9 TO DESIGN POINT 8	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
8 TO DESIGN POINT 7	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
7 TO DESIGN POINT 6	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
6 TO DESIGN POINT 5	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
5 TO DESIGN POINT 4	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
4 TO DESIGN POINT 3	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
3 TO DESIGN POINT 2	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
2 TO DESIGN POINT 1	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)
1 TO DESIGN POINT 0	11,127	1,500	NATURAL	40	15.0			NATURAL EXISTING PROPOSED BRIDGE & GRADE CULVERT AT 1.25 (HORIZONTAL) 1.00 (VERT) & 1.00 (HORIZONTAL)

LOCATION	HEC-1 FLOW W/DATE (CFS)	BRIDGE LENGTH (FT)	EXISTING IMPROVEMENT	TOTAL WIDTH (FT)	TOTAL DEPTH (FT)	TOTAL WIDTH (FT)	TOTAL DEPTH (FT)	RECOMMENDED IMPROVEMENT
ACADEMY BLVD (DP 198)	1,560	55	NO IMPROVEMENT REQUIRED	N/A	N/A	N/A	N/A	NO IMPROVEMENT REQUIRED
DUBLIN BLVD (DP 197)	1,560	55	NO IMPROVEMENT REQUIRED	N/A	N/A	N/A	N/A	NO IMPROVEMENT REQUIRED
DUBLIN/TURKEY (DP 197/198)	1,492	50	NO IMPROVEMENT REQUIRED	N/A	N/A	N/A	N/A	NO IMPROVEMENT REQUIRED
DUBLIN/LENNONWOOD (DP 197/198)	1,423	111	NO IMPROVEMENT REQUIRED	N/A	N/A	N/A	N/A	NO IMPROVEMENT REQUIRED
ACADEMY BLVD (DP 198)	1,285	300	NO IMPROVEMENT REQUIRED	N/A	N/A	N/A	N/A	NO IMPROVEMENT REQUIRED

LOCATION	HEC-1 FLOW W/DATE (CFS)	EXISTING IMPROVEMENT	PROPOSED IMPROVEMENT
CITY BRIDGES			
VINCENT BLVD (DP 201)	11,112	BRIDGE: 7-20' B-31 D-31.5	REPLACE BRIDGE FOR 6 LANE ARTERIAL 107' x 210'
CURRENT ACCESS RD (DP 201)	11,112	BRIDGE: 2-22' x 22'	NO IMPROVEMENT REQUIRED
ACADEMY BLVD (DP 197)	10,000	CHC: 5-24' x 24'	NO IMPROVEMENT REQUIRED
OLD RAILROAD GRADE (DP 311)	5,413	HORSESHOE: 2-25' x 21'	NO IMPROVEMENT REQUIRED



BASED ON THE REACHES/CULVERTS LISTED ON THIS SHEET, APPROXIMATELY 3.5 ACRES OF ENVIRONMENTALLY CLASSIFIED AREAS WILL BE DISTURBED OR DESTROYED AND REQUIRE MITIGATION

TO BEGIN RIP-RAP PROTECTION SEE SHEET 1

LEGEND:

- 100 YR. FLOODWAY LIMITS (PROPOSED)
- SUB-BASIN BOUNDARY
- CITY LIMITS
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- BASIN DESIGNATION
- BASIN AREA (AC.)
- DESIGN POINT
- MAJOR BASIN BOUNDARY
- EXIST. CROSS CULVERT OR BRIDGE
- PROP. CROSS CULVERT OR BRIDGE
- EXIST. BANK Lining WITH NO CHANGE
- EXIST. BANK Lining INCREASE DEPTH
- PROPOSED BANK Lining
- PROPOSED DROP STRUCTURE
- ENVIRONMENTAL CLASSIFICATION DRAINAGE R.O.W.

SHEET INDEX

ENGINEER: URS CONSULTANTS

PROJECT: COTTONWOOD CREEK DRAINAGE BASIN PLANNING STUDY DRAINAGE PLAN SCALE 1" = 200' CONTOUR INTERVAL = 2' FIGURE 10 SHEET 3 OF 11