PROJECT REFERENCE NO.	SHEET NO.
EB-5923	EC-5/CONST.4

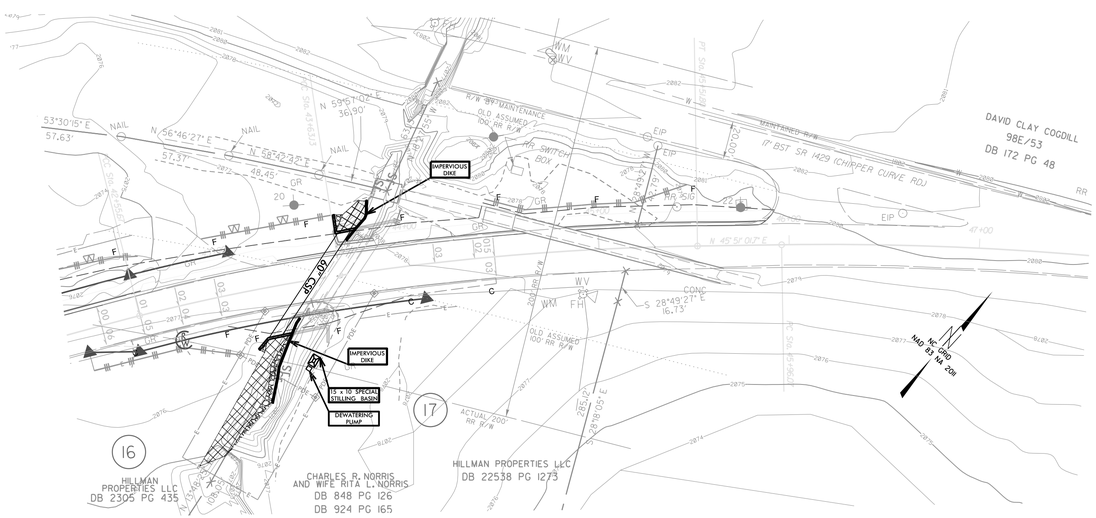
CULVERT CONSTRUCTION SEQUENCE STA. 43 + 61 –L–

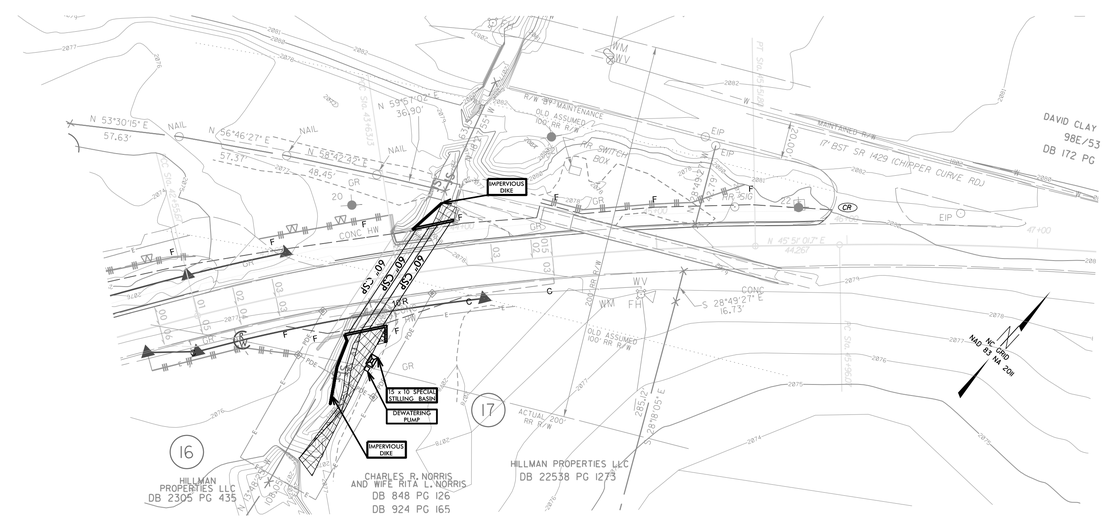
Mattern & Craig
ENGINEERS • SURVEYORS

PHASE I

1. INSTALL PERIMETER EROSION CONTROL DEVICES PRIOR TO CONSTRUCTION AS SHOWN IN THE CLEAR AND GRUBBING PHASE
2. INSTALL IMPERVIOUS DIKES ALONG STREAM CHANNEL EDGE TO DIVERT WATER INTO EXISTING 2 @ 48" CMP. TOP OF DIKE SHOULD BE 1' ABOVE SOFFIT.
3. INSTALL DEWATERING PUMP AND SPECIAL STILLING BASIN AS DIRECTED BY THE ENGINEER.
4. INSTALL PROPOSED 1 @ 60" CSP APPROX. STA. 43 + 50.
5. REPAIR STREAM BED UPSTREAM AND DOWNSTREAM AS DESCRIBED IN THE CSR. ENSURE EXCAVATION ALLOWS INSTALLED 1 @ 60" CSP TO FLOW IN DOWNSTREAM CHANNEL.

NOTES:
1. CULVERT CONSTRUCTION SHALL BE PERFORMED IN ONLY DRY OR ISOLATED SECTIONS OF CHANNEL.
2. REMOVE EMBANKMENT AND ROADWAY BEHIND THE WINGWALLS OF THE EXISTING CULVERTS PRIOR TO REMOVAL OF THE CULVERTS THEMSELVES. THIS WILL PREVENT SEDIMENT FROM BEING DEPOSITED IN THE STREAM BED.
3. IMPERVIOUS DIKES ARE TO BE USED TO ISOLATE WORK FROM STREAM FLOW AS NECESSARY.
4. IMPERVIOUS DIKE SHALL BE INSTALLED PRIOR TO CULVERT REMOVAL UPSTREAM AND DOWNSTREAM OF CONSTRUCTION TO CONTAIN THE WORK SITE AND SHALL BE DE–WATERED WITH TEMPORARY 36" PIPE. PLACEMENT SHALL BE APPROVED BY THE ENGINEER.
5. ALL GRADED AREAS SHALL BE STABILIZED WITHIN 24 HOURS.
6. MAINTENANCE OF STREAM FLOW OPERATIONS SHALL BE INCIDENTAL TO THE WORK. THIS INCLUDES POLETHYLENE SHEETING, DIVERSION PIPES, PUMPS AND HOSES.
7. PUMPS AND HOSES SHALL BE SUFFICIENT SIZE TO DEWATER THE WORK AREA.
8. THE CONTRACTOR SHALL NOT PUMP SEDIMENT–LADEN WATER DIRECTLY INTO STREAM. FOR DE–WATERING OF CULVERT SITES, THE CONTRACTOR SHALL FILTER SEDIMENT–LADEN WATER THROUGH SPECIAL STILLING BASIN.



PHASE II

1. INSTALL FINAL GRADE EROSION CONTROL DEVICES AS REMOVAL OF THE EXISTING ROADWAY AND CULVERTS MAKE THEM NECESSARY.
2. RELOCATE IMPERVIOUS DIKES TO ALLOW FLOW IN THE INSTALLED 1 @ 60" CSP.
3. INSTALL ADDITONAL 2 @ 60" CSP.
4. CONSTRUCT THE REMAINDER OF THE PROPOSED ROADWAY.
5. ENSURE DISTURBED LAND IS STABILIZED.
6. REMOVE TEMPORARY EROSION CONTROL DEVICES