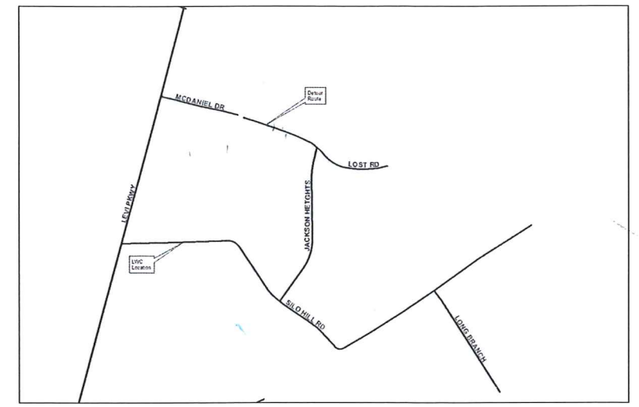
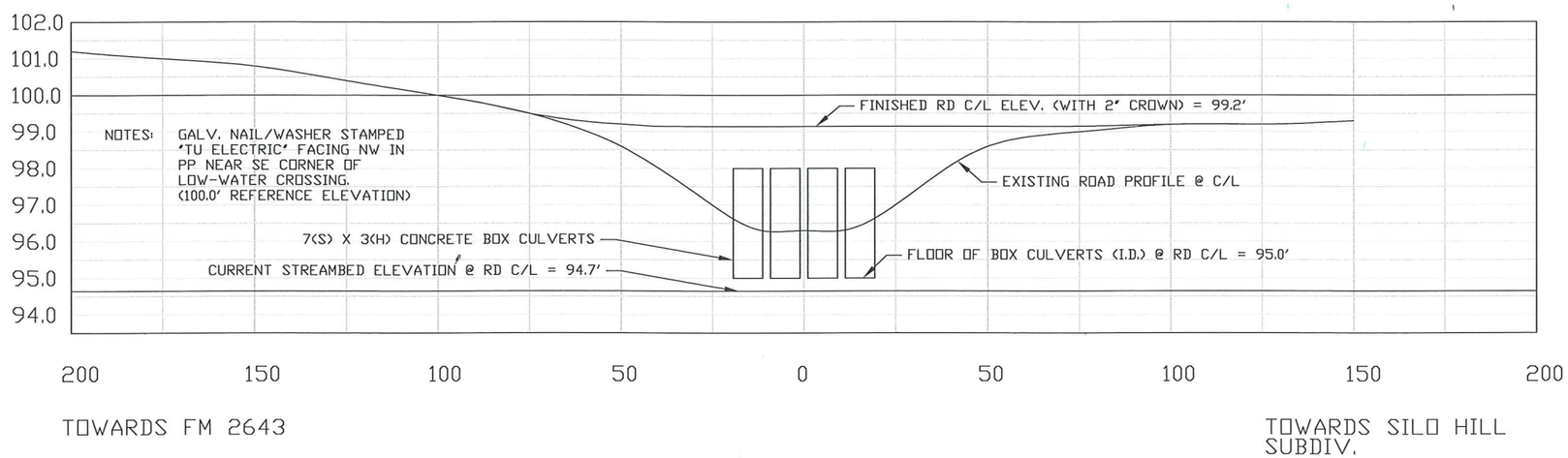
NOTES:

1. SILO HILL ROAD WILL BE CLOSED DURING DEMOLITION OF LOW-WATER CROSSING AND CONSTRUCTION/INSTALLATION OF CONCRETE BOX CULVERTS. CONTRACTOR IS RESPONSIBLE FOR BARRICADES (TYPE III) AT EACH END OF CONSTRUCTION ZONE. BARRICADES SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. REQUIRED DETOUR SIGNS AND BARRICADES TO BE PLACED PER SHEET MC-3. CONTRACTOR SHALL KEEP AND MAINTAIN SIGNS AND BARRICADES IN PLACE FOR DURATION OF PROJECT.
2. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION AND REMOVAL OF EXISTING REINFORCED CONCRETE LOW-WATER CROSSING AND CULVERTS.
3. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY DRAINAGE BYPASS (INCLUDING ANY NECESSARY CMP'S) DURING CONSTRUCTION. OWNER IS NOT RESPONSIBLE FOR DAMAGES AS A RESULT OF STORM EVENTS WHICH EXCEED CONTRACTOR'S DRAINAGE BYPASS STRUCTURE CAPACITY. DRAINAGE BYPASS FACILITIES/STRUCTURES SHALL NOT IMPEDE FLOW IN A MANNER THAT RESULTS IN INCREASED BASE FLOOD ELEVATIONS UPSTREAM.
4. SEE SHEET MC-1 FOR RELATIVE ELEVATIONS. ALL ELEVATIONS FOR EXISTING AND NEW STRUCTURES ARE TAKEN AT ROAD CENTERLINE. REFERENCE ELEVATION MARKER IS THE GALVANIZED NAIL/WASHER STAMPED "TU ELECTRIC" FACING NW IN THE POWER POLE NEAR THE SE CORNER OF THE EXISTING LOW-WATER CROSSING AND ESTABLISHED AS 100.0'.
5. CONTRACTOR IS RESPONSIBLE FOR ALL SURVEYING AND DETERMING ROAD CENTERLINE. SURVEY PINS BY RPLS TO BE SET IN CENTERLINE OF ROAD A DISTANCE OF 100' IN EACH DIRECTION FROM FLOWLINE CENTER OF STRUCTURE.
6. PRE-CAST STRUCTURES (HS-93 LOAD RATING), REINFORCEMENT DETAILS, WINGWALLS AND APRONS, C-I-P SECTIONS, ETC., ALL TO BE IN ACCORDANCE WITH DWGS MC-1, MC-2, AND TXDOT STDS (DWGS SCP-7, FW-SM SCP-MD) AS SPECIFIED FOR 7 X 3 PRE-CAST BOX CULVERTS.
7. CENTERLINE ON PRE-CAST AND CIP STRUCTURE AND NEW ROADWAY TO COINCIDE WITH ROADWAY CENTERLINE (AS SURVEYED BY CONTRACTOR) WITHIN SIX (6) INCHES.
8. NO PERMANENT IMPROVEMENT TO BE PLACED OUTSIDE THE 60' RIGHT-OF-WAY, AND NO CONSTRUCTION OPERATIONS OUTSIDE 60' RIGHT-OF-WAY.
9. SUPPORT BASE (AREA UNDER BOX CULVERTS, WINGWALLS, AND APRONS) TO BE OVEREXCAVATED AND REPLACED WITH 12" CRUSHED LIMESTONE FLEXIBLE BASE (TXDOT ITEM 247 TYPE A) COMPACTED TO MINIMUM 95% STD. PROCTOR DENSITY IN TWO EACH SIX (6) INCH LIFTS. OWNER'S REPRESENTATIVE MAY TEST MATERIALS BETWEEN LIFTS TO CONFIRM COMPACTION REQUIREMENTS AND MATERIAL TYPE.
10. BACKFILL APPROACHES WITH NATURAL FILL COMPACTED IN 6" LIFTS TO NO MORE THAN 18" FROM FINAL ROAD ELEVATION. BACKFILL LAST 15" FROM FINAL ROAD ELEVATION WITH FLEXIBLE BASE (TXDOT ITEM 247 TYPE A) IN 6" LIFTS COMPACTED TO MINIMUM 95% STD. PROCTOR DENSITY. OWNER'S REPRESENTATIVE MAY TEST MATERIALS BETWEEN LIFTS TO CONFIRM COMPACTION REQUIREMENTS AND MATERIAL TYPE.
11. APPLY TYPE D HMAC OVER SURFACE OF BOX CULVERTS (CURB-TO-CURB) AND APPROACHES. FLOAT HMAC OVERLAY INTO EXISTING BITUMINOUS PAVEMENT. MINIMUM HMAC THICKNESS IS 2" (ADJACENT TO UPSTREAM CURB). LEVEL ROADWAY WITH 2" CROWN.
12. STREAM GRADE AND BOX CULVERT FLOOR GRADE PERPENDICULAR TO ROADWAY IS 1%.



VICINITY MAP



ELEVATION VIEW
(SECTION A-A)

VERTICAL
0 1 2 4
SCALE IN FEET
VERT. SCALE: 1" = 4'

HORIZONTAL
0 10 20 40
SCALE IN FEET
HORIZ. SCALE: 1" = 40'

STATE OF TEXAS
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LICENSED
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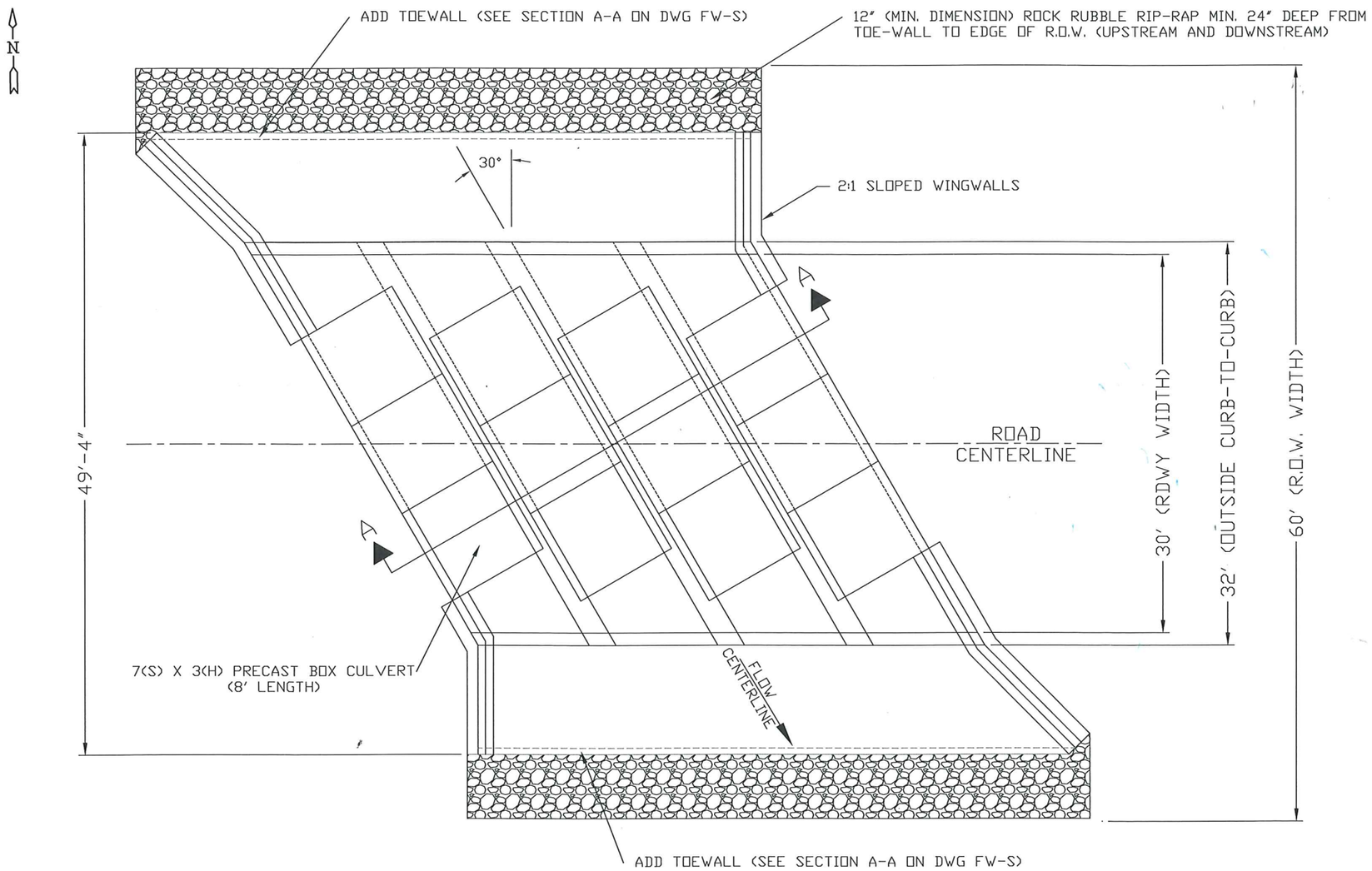
BRIDGE CONSTRUCTION
SILO HILL ROAD AT TRIBUTARY TO LONG BRANCH CREEK
COMMISSIONER KELLY SNELL, PRECINCT 1

McLennan County Engineer

Date 11/07/16
Drawn By RLL
Scale as noted

Sheet MC-1



PLAN VIEW

0 2.5 5 10
SCALE IN FEET

SCALE: 1" = 10'

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Date 11/07/16
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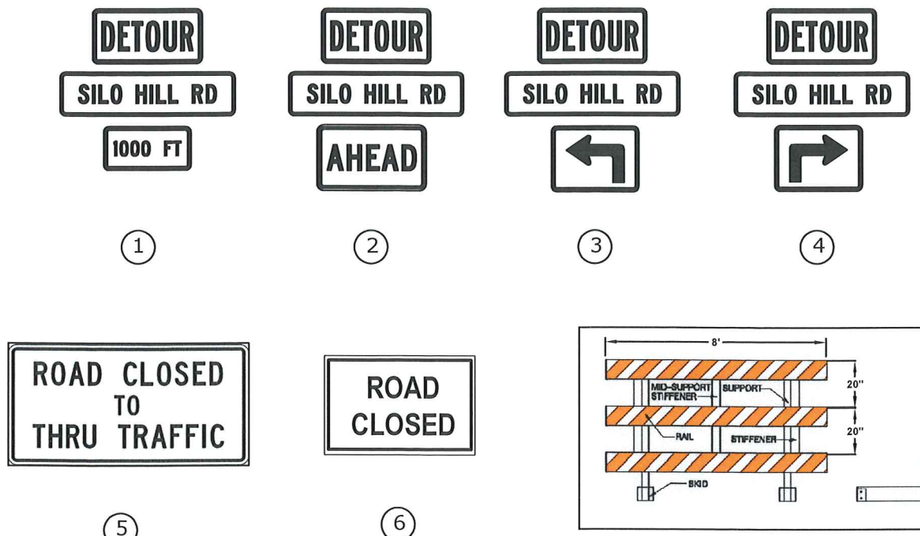
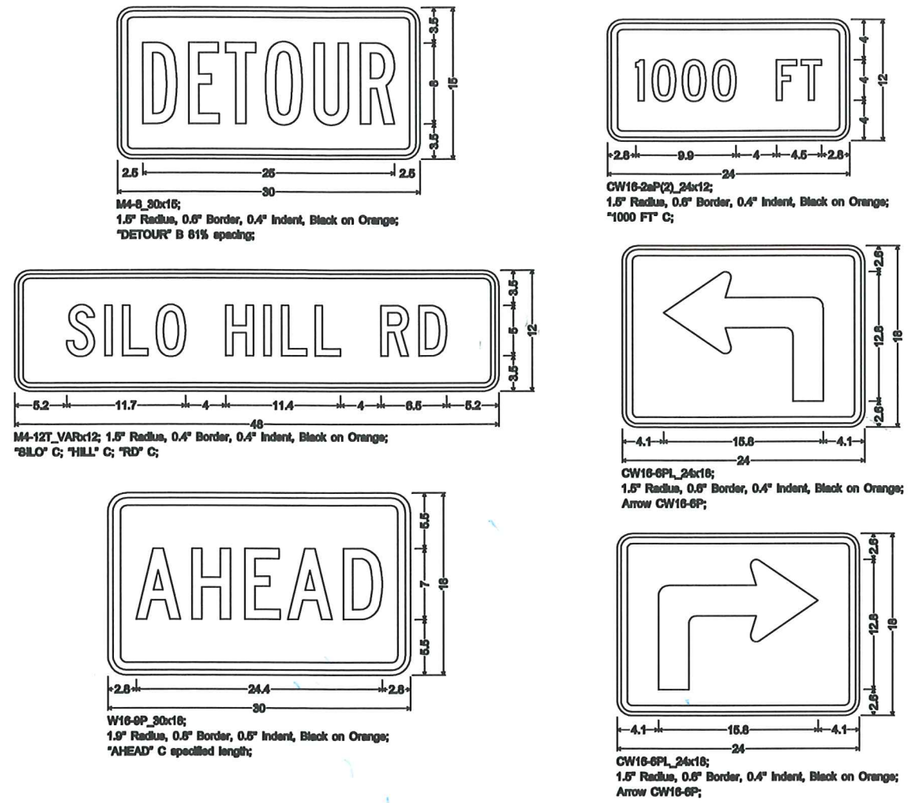
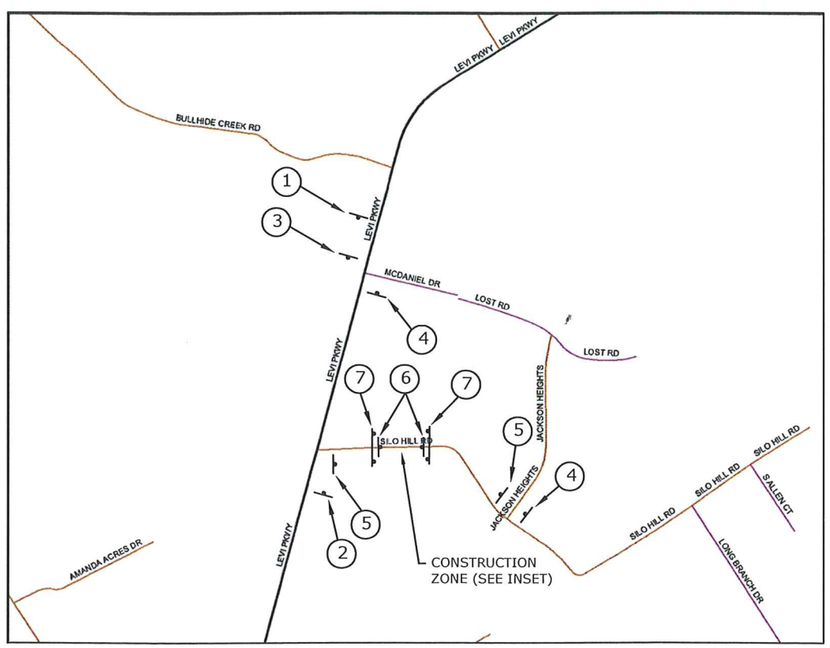
Sheet MC-2



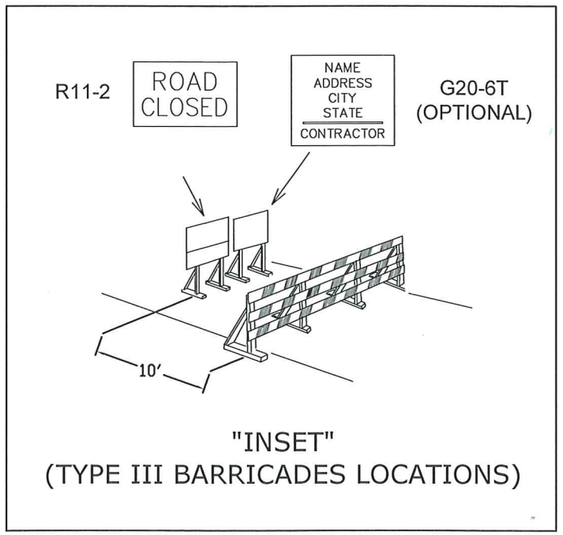
SIGN TYPES AND LOCATION LEGEND



SIGN DIMENSIONS AND SPECIFICATIONS



REQ'D SIGN LOCATIONS



NOTE: ALL SIGN FABRICATION AND PLACEMENTS TO BE IN ACCORDANCE WITH TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST REV. TMUTCD) STANDARDS AND GUIDELINES.

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Sheet	MC-3