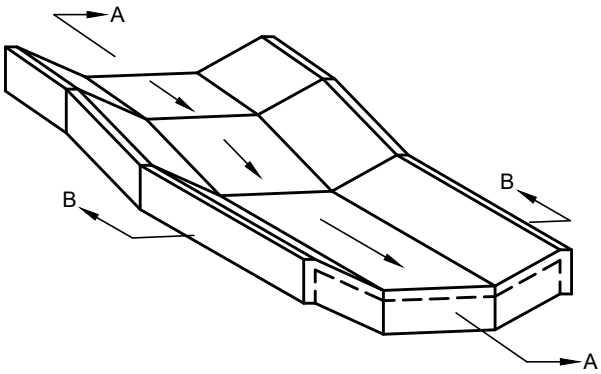
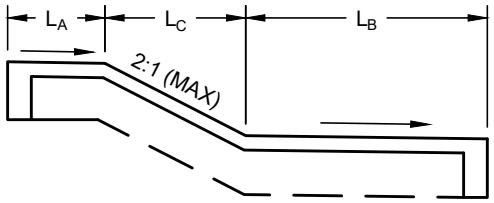
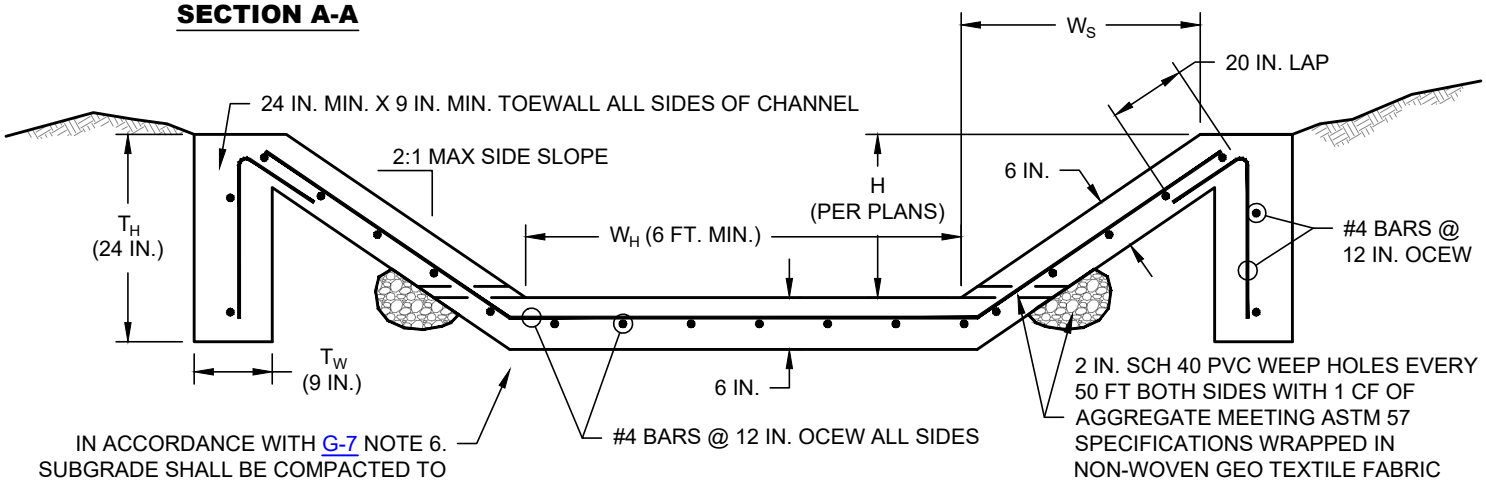


CONFIGURATION SUMMARY TABLE								
LOCATION IDENTIFICATION	T_W IN.	T_H IN.	H FT.	W_H FT.	W_S FT.	L_A & S_A FT. %	L_C & S_C FT. %	L_B & S_B FT. %



SECTION A-A



SECTION B-B

NOTES:

1. CONCRETE SLOPING CHANNEL DROP STRUCTURE SHALL BE DESIGNED TO SUIT PROJECT SPECIFIC SITE.
2. CONCRETE SLOPING CHANNEL DROP STRUCTURE CONFIGURATION IN PLANS TO BE CONSISTENT WITH HYDROLOGIC AND HYDRAULIC COMPUTATIONS IN ACCORDANCE WITH CURRENT CITY OF WACO STORMWATER DESIGN CRITERIA.
3. CHANNEL SIZES FOR HEIGHT OF CHANNEL GREATER THAN 5 FT. TO BE DESIGNED AND DETAILS INCLUDED IN PLANS.
4. PLEASE REFER TO DETAIL G-7 FOR GENERAL CONCRETE NOTES.
5. WORK SHALL BEGIN AT DOWNSTREAM END OF CHANNEL AND PROGRESS UPSTREAM.
6. CONCRETE MUST BE PLACED TO ENSURE POSITIVE DRAINAGE SLOPE.
7. CONCRETE SHALL BE PLACED MONOLITHICALLY ACROSS CHANNEL.
8. TRANSVERSE EXPANSION JOINTS SHALL BE PLACED EVERY 600 FT. AT A MINIMUM, AND NO CLOSER THAN 200 FT.
9. THE FOLLOWING STRUCTURAL DIMENSIONS SHALL BE DESIGNED IN ACCORDANCE WITH NOTE 2 AND SHOWN IN THE TABLE WITH SEAL, SIGNATURE, AND DATE BY THE RESPONSIBLE PROFESSIONAL ENGINEER:
    - TOE WALL WIDTH - TW
    - TOE WALL HEIGHT - TH
    - CHANNEL HEIGHT - H
    - CHANNEL FLAT WIDTH - WH
    - CHANNEL SLOPE WIDTH - WS
    - APPROACH APRON LENGTH (MIN. 10 FT.) - L_A & SLOPE - S_A
    - CHUTE LENGTH (MIN. 10 FT.) - L_C & SLOPE S_C
    - DOWNSTREAM APPROACH LENGTH - L_B & SLOPE S_B

CONCRETE SLOPING CHANNEL DROP STRUCTURE

(NO SCALE)

CITY OF WACO

ENGINEERING DIVISION

REVISIONS

NO.	COMMENTS	BY	DATE
##	DESCRIPTION	FL	MM/DD/YYYY

DATE 01/01/2024

SD-16