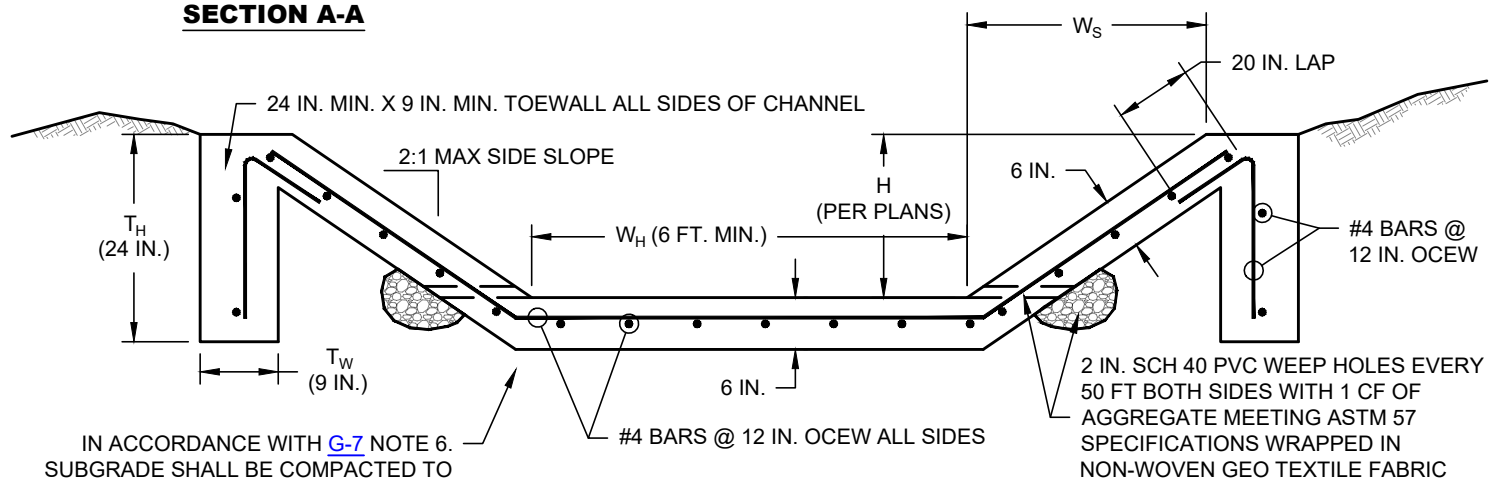


SECTION A-A

| 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. % |
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SECTION B-B

IN ACCORDANCE WITH [G-7](#) NOTE 6, SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY AT $\pm 2\%$ OPTIMAL MOISTURE CONTENT.

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 - T_W
 - TOE WALL HEIGHT - T_H
 - CHANNEL HEIGHT - H
 - CHANNEL FLAT WIDTH - W_H
 - CHANNEL SLOPE WIDTH - W_S
 - 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)



ENGINEERING DIVISION

DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF WACO FOR ANY PURPOSE WHATSOEVER. THE CITY OF WACO ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

| REVISIONS | | | |
|-----------|-------------|----|------------|
| NO. | COMMENTS | BY | DATE |
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DATE
01/01/2024

SD-16