

PLAN - JUNCTION STRUCTURE #2 - TOP SLAB

N.T.S.

NOTES:

1. FOR JUNCTION STRUCTURE LOCATION SEE CIVIL SHEET 21

MIN. BAR LAPS:
 #4 TO #4 BARS 20" LAP
 #5 TO #5 BARS 24" LAP
 #6 TO #6 BARS 30" LAP

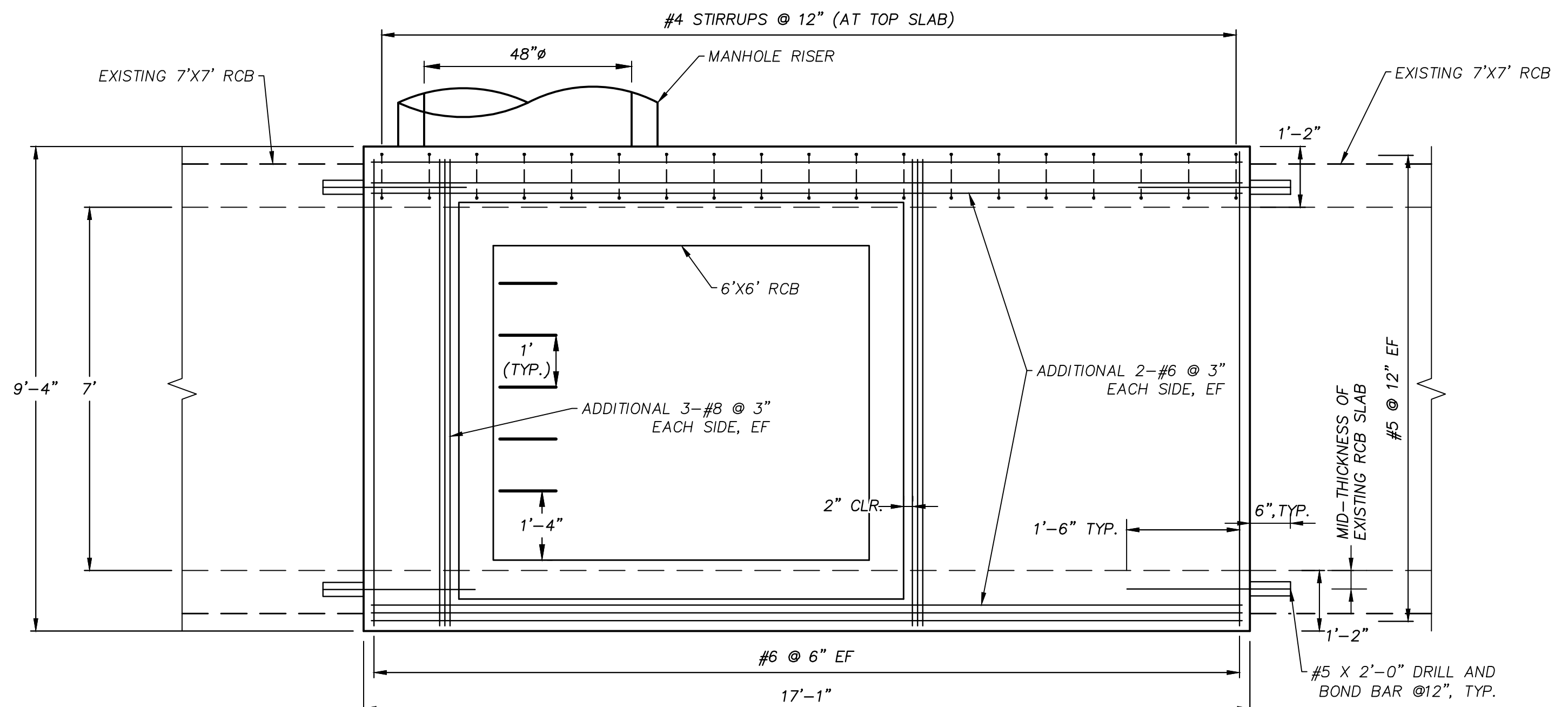
STRUCTURAL NOTES:

1. ALL STRUCTURAL CONCRETE SHALL BE MODIFIED MINIMUM COMPRESSIVE STRENGTH OF 4,500 psi IN 28 DAYS, TYPE V CEMENT.
2. REINFORCEMENT STEEL SHALL BE DEFORMED BARS CONFORMING IN QUALITY TO THE REQUIREMENTS OF ASTM A-615 "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT" GRADE 60.
3. STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE FINISHED STRUCTURES. THE STRUCTURES SHALL BE PROTECTED BY BRACING AND BALANCING WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR DURING CONSTRUCTION.
4. UNLESS OTHERWISE SHOWN ON THE DRAWINGS CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS:
 FOR CONCRETE PLACED AGAINST EARTH: 3", OTHERS: 2".
5. ALL DETAILING, FABRICATION AND PLACING OF REINFORCING BARS, UNLESS OTHERWISE INDICATED, SHALL BE IN ACCORDANCE WITH ACI-315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" LATEST EDITION.
6. DOWELS HOLES SHALL BE DRILLED 12" INTO THE EXISTING CONCRETE. DIAMETER OF HOLE SHALL BE 1/4" LARGER THAN DIAMETER OF THE BAR. HOLE MAY BE INCLUDED NO MORE THAN OFF HORIZONTAL DOWELS SHALL BE EPOXIED INTO CLEAN HOLES. DOWELS SHALL BE EPOXIED USING SIMPSON SET HIGH STRENGTH EPOXY OR APPROVED EQUAL.
7. DESIGN CODE: AASHTO LRFD 9TH EDITION, 2020
8. GEOTECHNICAL REPORT REFERENCE: VILLAGE 25 ROADWAYS & WATERLINES NORTH OF FAR HILLS AVENUE AND WEST OF DESERT FOOTHILLS DRIVE, SUMMERLIN VILLAGE 25, LAS VEGAS, NEVADA, NOVA PROJECT NO.: G-19-026

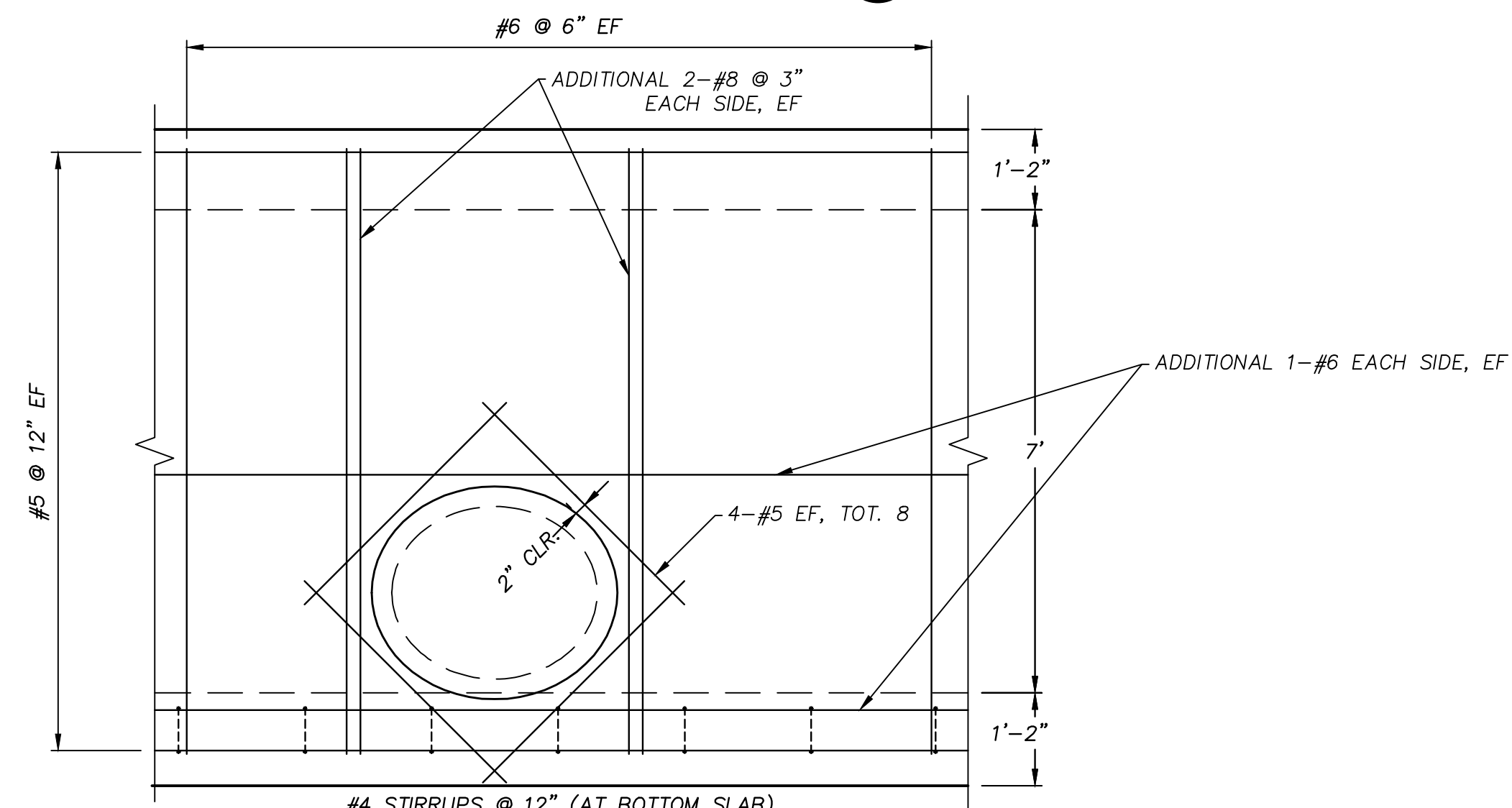
SPECIAL INSPECTION REQUIRED

PERFORM THIRD PARTY INSPECTION FOR RCB, JUNCTION STRUCTURES, AND STORM DRAIN STRUCTURES

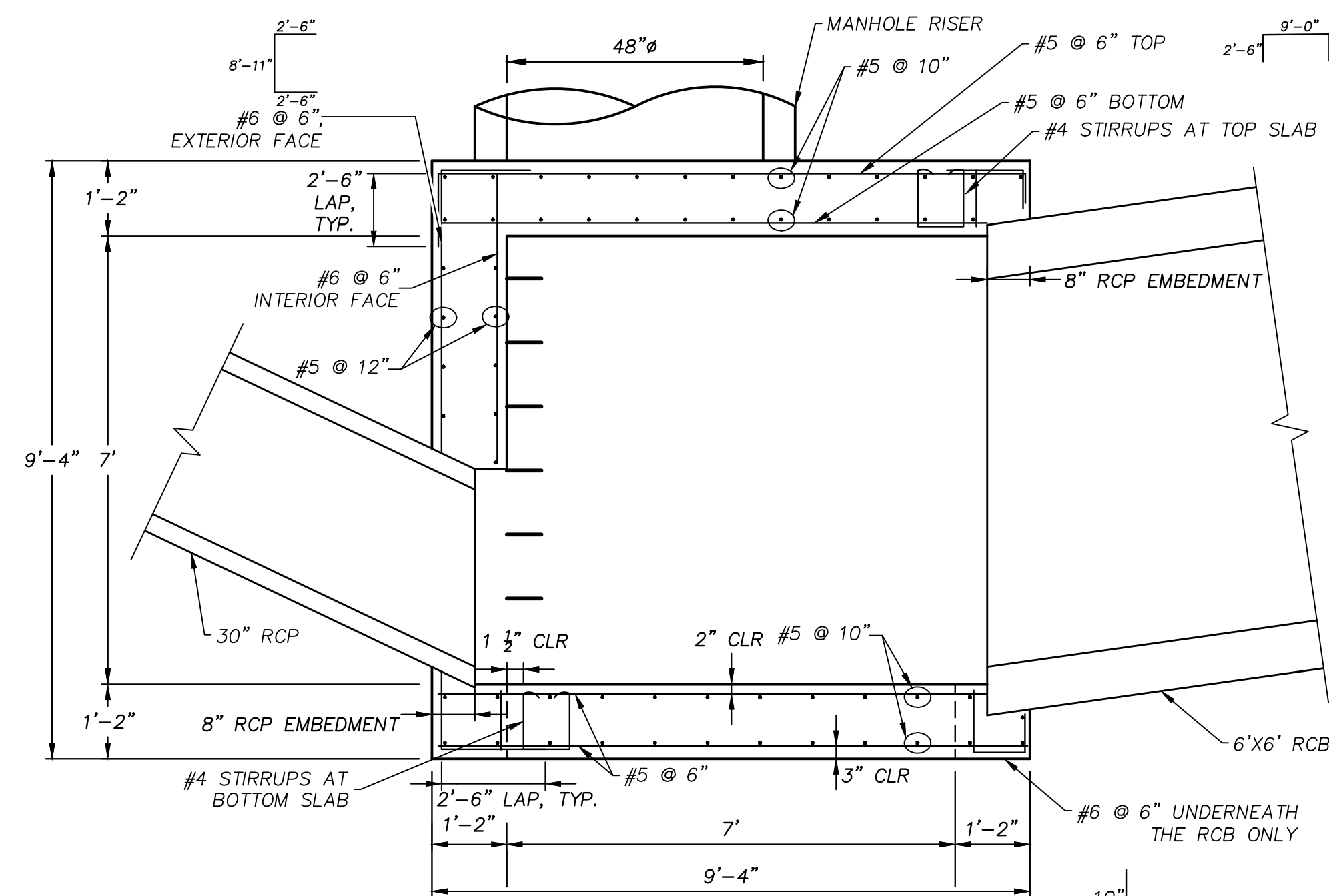
1. INSPECTIONS SHALL BE PERFORMED BY AN ICC CERTIFIED INSPECTOR APPROVED BY CLARK COUNTY, EMPLOYED BY THE OWNER/DEVELOPER.
2. PROVIDE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE FOR THE ITEMS LISTED BELOW.
 - A. REINFORCING STEEL PLACEMENT - PERIODIC
 - B. GROUT - CONTINUOUS
 - C. CONCRETE PLACEMENT - CONTINUOUS
 - D. CONCRETE STRENGTH - CONTINUOUS
3. THE INSPECTOR SHALL SUBMIT A STATEMENT TO THE OWNER/DEVELOPER, AND STRUCTURAL ENGINEER INDICATING COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
4. SPECIAL INSPECTION OF THE FILL AROUND THE (RCB, JUNCTION STRUCTURES, AND STORM DRAIN STRUCTURES) SHALL BE PROVIDED AT A FREQUENCY AS NECESSARY TO ENSURE THAT PROPER FILL AND COMPACTION IS ACHIEVED. COMPACTION TEST FOR EACH LIFT SHALL BE TAKEN PER CCAUSD 203.05.02. THE SPECIAL INSPECTOR SHALL SUBMIT A COMPLIANCE REPORT TO THE OWNER/DEVELOPER AND STRUCTURAL ENGINEER DOCUMENTING FILL TYPE AND PROCEDURES OF PLACEMENT.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.



SECTION C-C
N.T.S.

- NOTES:
1. ADDITIONAL BARS AROUND OPENING ARE NOT SHOWN FOR CLARITY.

REV.	DESCRIPTION	DATE	APPROVAL

ATKINS
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 Henderson, Nevada 89074
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SUMMERLIN

SUMMERLIN VILLAGE 25
 PARK DRIFT TRAIL
 SANDSTONE RISE DRIVE TO LAKE MEAD BOULEVARD
JUNCTION STRUCTURE DETAIL #1

DESIGNED BY: N. GAO
 DRAWN BY: H. HERRERA
 CHECKED BY: H. HERRERA
 DATE: SEPTEMBER, 2023
 DRAWING NO. 54/56
 HORIZ.: NONE
 VERT.: NONE

