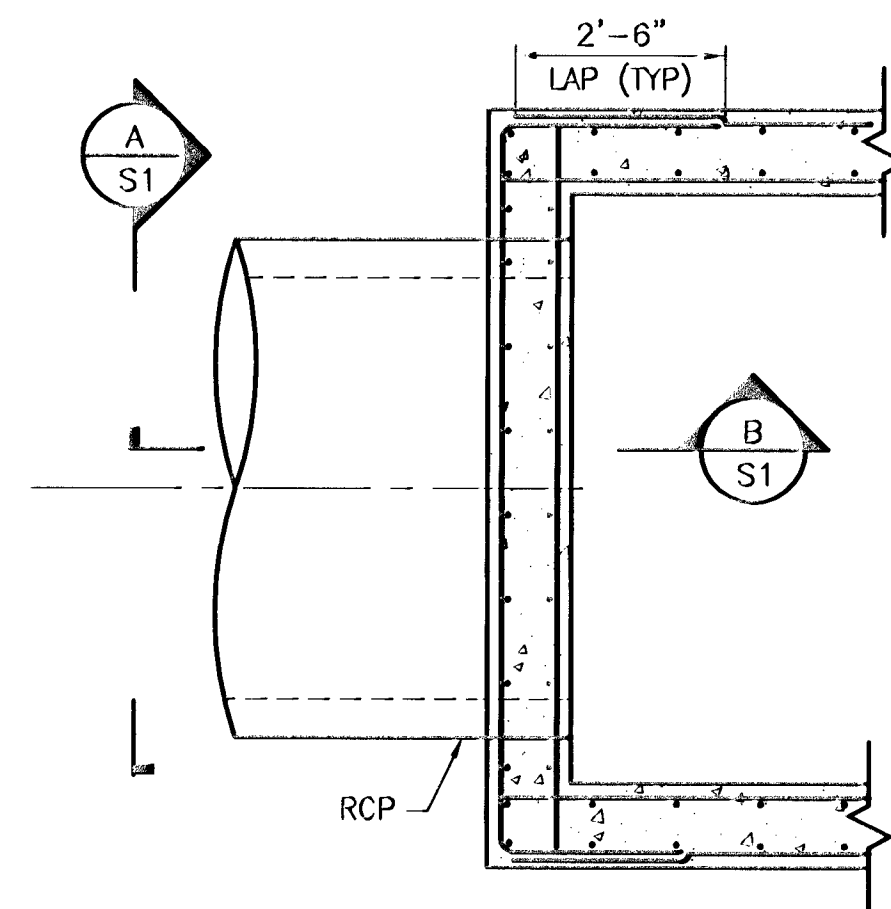
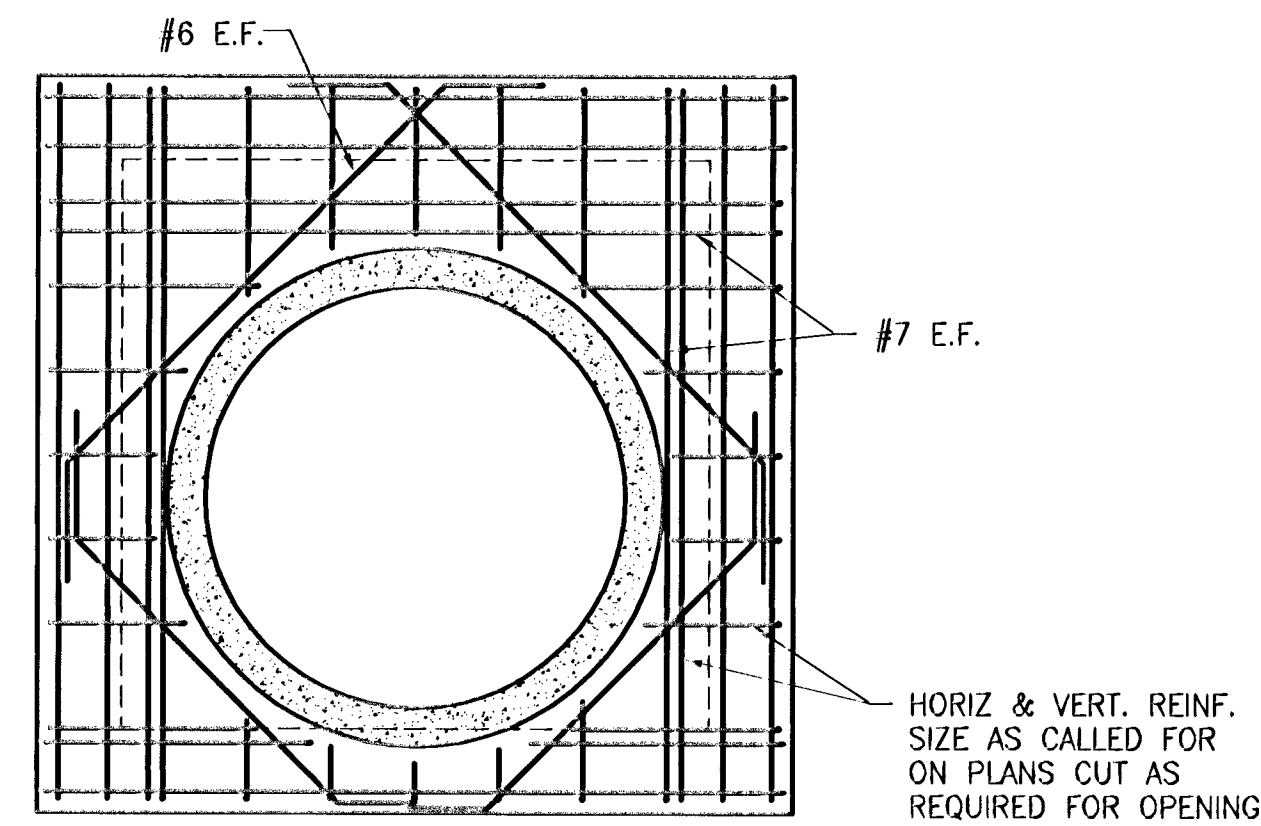


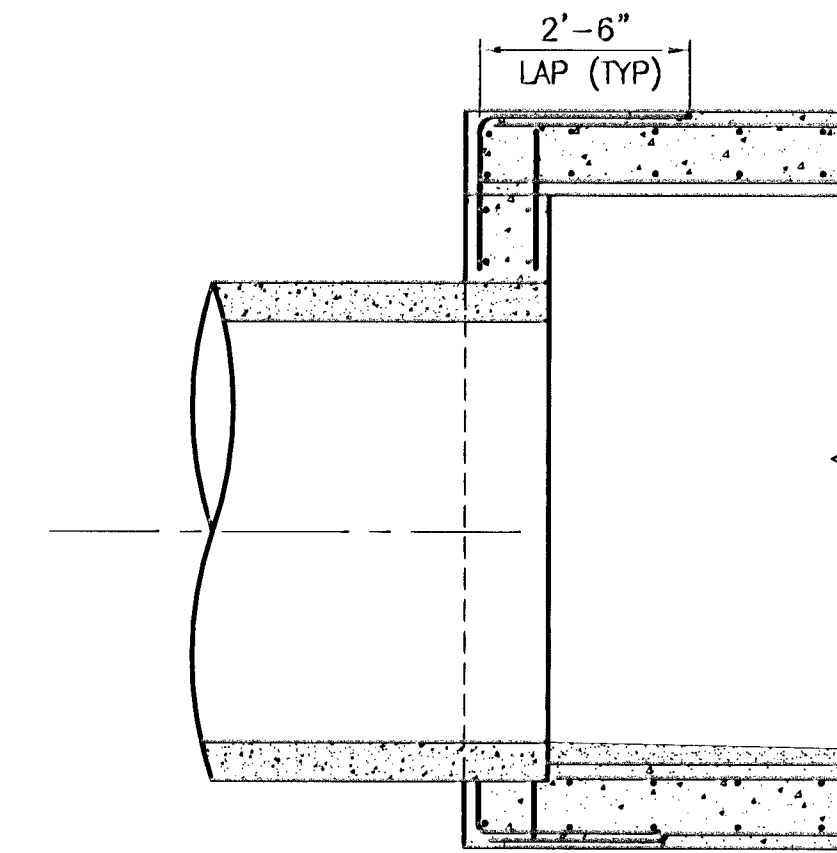


PLAN VIEW



SECTION

A
S1



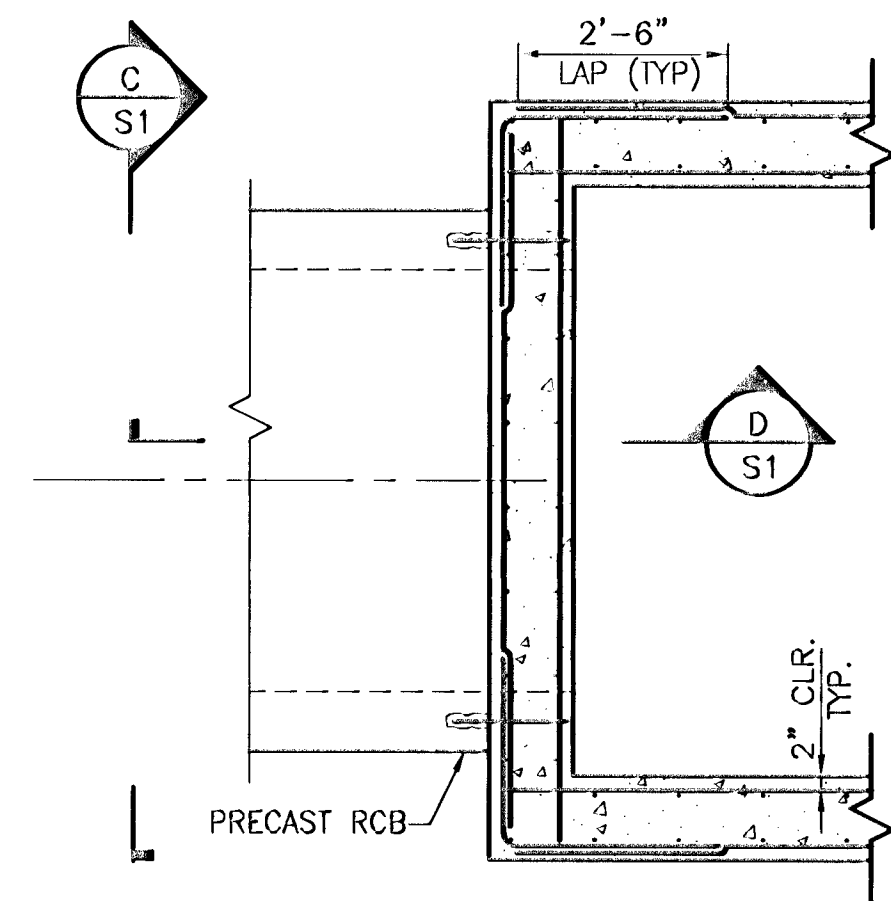
SECTION

B
S1

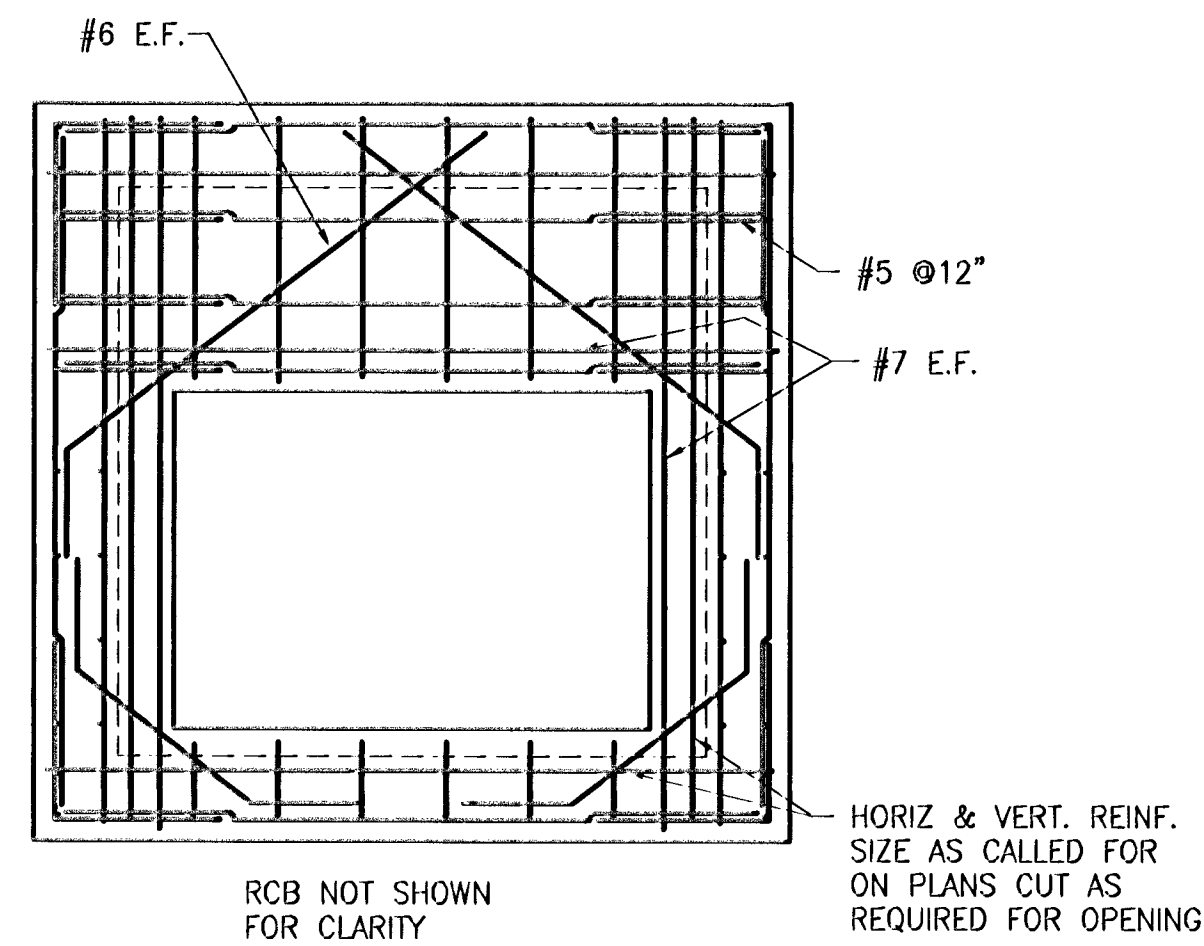
RCP CONNECTION TO JUNCTION STRUCTURE

SCALE: NTS

1
S1

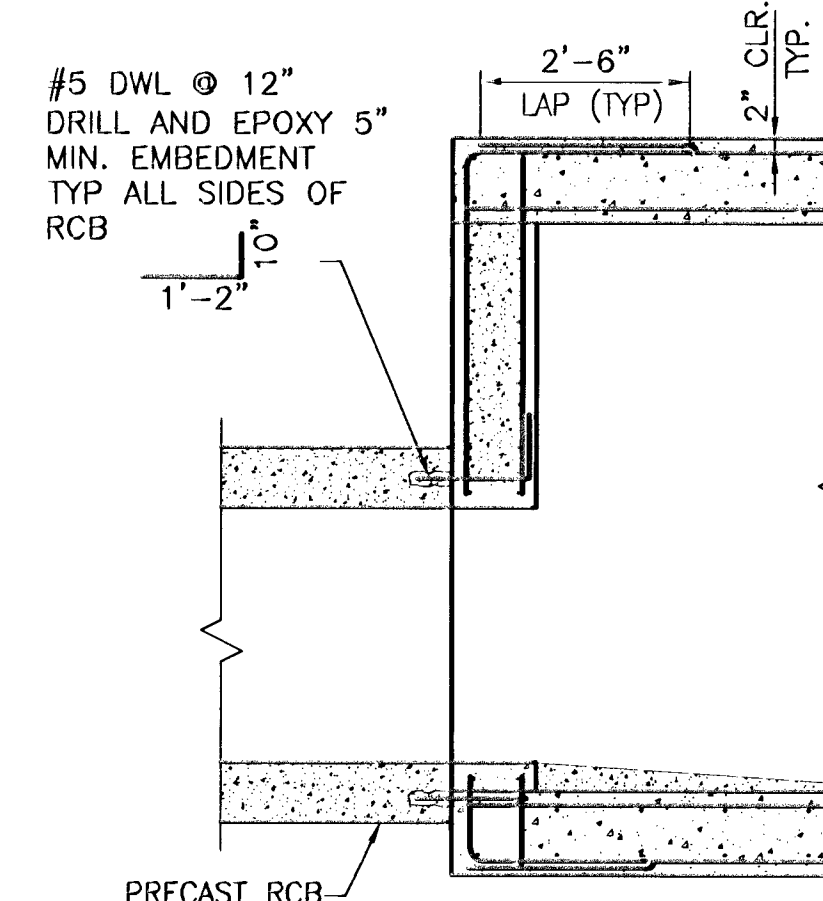


PLAN VIEW



SECTION

C
S1



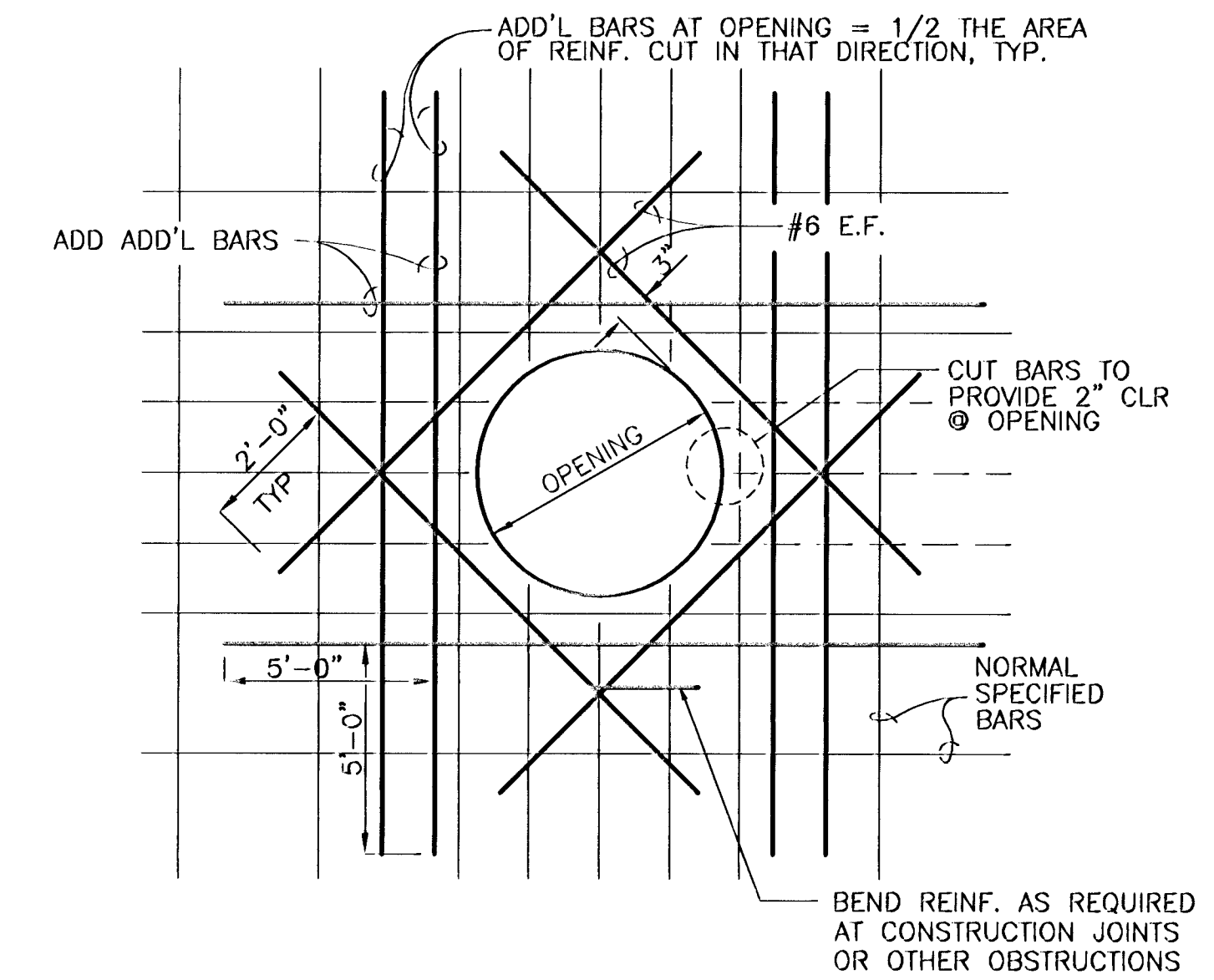
SECTION

D
S1

RCB CONNECTION TO JUNCTION STRUCTURE

SCALE: NTS

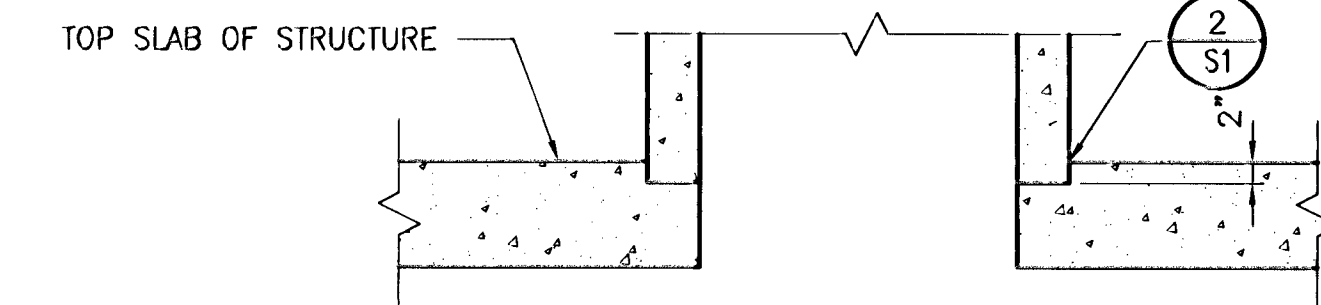
4
S1



WALL OR SLAB OPENING DETAIL

SCALE: NTS

2
S1



MANHOLE RISER DETAIL

SCALE: NTS

3
S1

GENERAL NOTES:

- DESIGN CRITERIA: ACI 318-05, AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION"
- DESIGN LIVELOAD IS AASHTO HS20-44 TRACK LOADING.
- PORTLAND CEMENT SHALL CONFORM TO A.S.T.M. C-150, TYPE V. AGGREGATE SHALL CONFORM TO A.S.T.M. C-33. USE A 3/4" AGGREGATE MIX FOR WALLS AND A 1 1/2" AGGREGATE MIX FOR SLABS.
- ALL STRUCTURAL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS.
- ALL REINFORCEMENT STEEL SHALL BE A.S.T.M. DESIGNATION A615, GRADE 60.
- COVERAGE FOR REINFORCING BARS, EXCEPT WHERE OTHERWISE SHOWN, SHALL BE: 3" FOR CONCRETE PLACED AGAINST EARTH; 2" FOR OTHERS.
- USE 3/4" CHAMFER ON ALL EXPOSED CORNERS.
- ALL REINFORCING BAR LAP SPLICES SHALL CONFORM TO ACI 318-05.

AVOID OVERHEAD POWER LINE CONTACT. IT'S COSTLY

Call before you Dig

Call before you Overhead

1-702-227-2929

NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

1-800-227-2600

CLARK COUNTY POWER OPERATIONS

1-702-455-7544

DAVID W. SEELEY

PROFESSIONAL ENGINEER-STATE OF NEVADA

EXP. 8/25/2012

8/5/08

PROFESSIONAL ENGINEER-STATE OF NEVADA

DAVID W. SEELEY

EXP. 8/25/2012

8/5/08

SHEET

S1

20 OF 26 SHEETS

DRAWING NO.

731-87-1

PUBLIC WORKS DEPARTMENT

400 E. STEWART AVE.

LAS VEGAS, NV 89101

702-227-1272



STRUCTURAL NOTES AND DETAILS

LAS VEGAS WASH MIDDLE BRANCH

DECATUR BOULEVARD

ELKHORN ROAD TO WHISPERING SANDS DRIVE

DRAWN BY: 8/08/08

DESIGNED BY: DWS 8/08/08

CHECKED BY: 8/08/08

PROJECT NO: SCALE: HORIZ. VERT.

PROFESSIONAL ENGINEER-STATE OF NEVADA

DAVID W. SEELEY

EXP. 8/25/2012

8/5/08

SHEET

S1

20 OF 26 SHEETS

DRAWING NO.

731-87-1