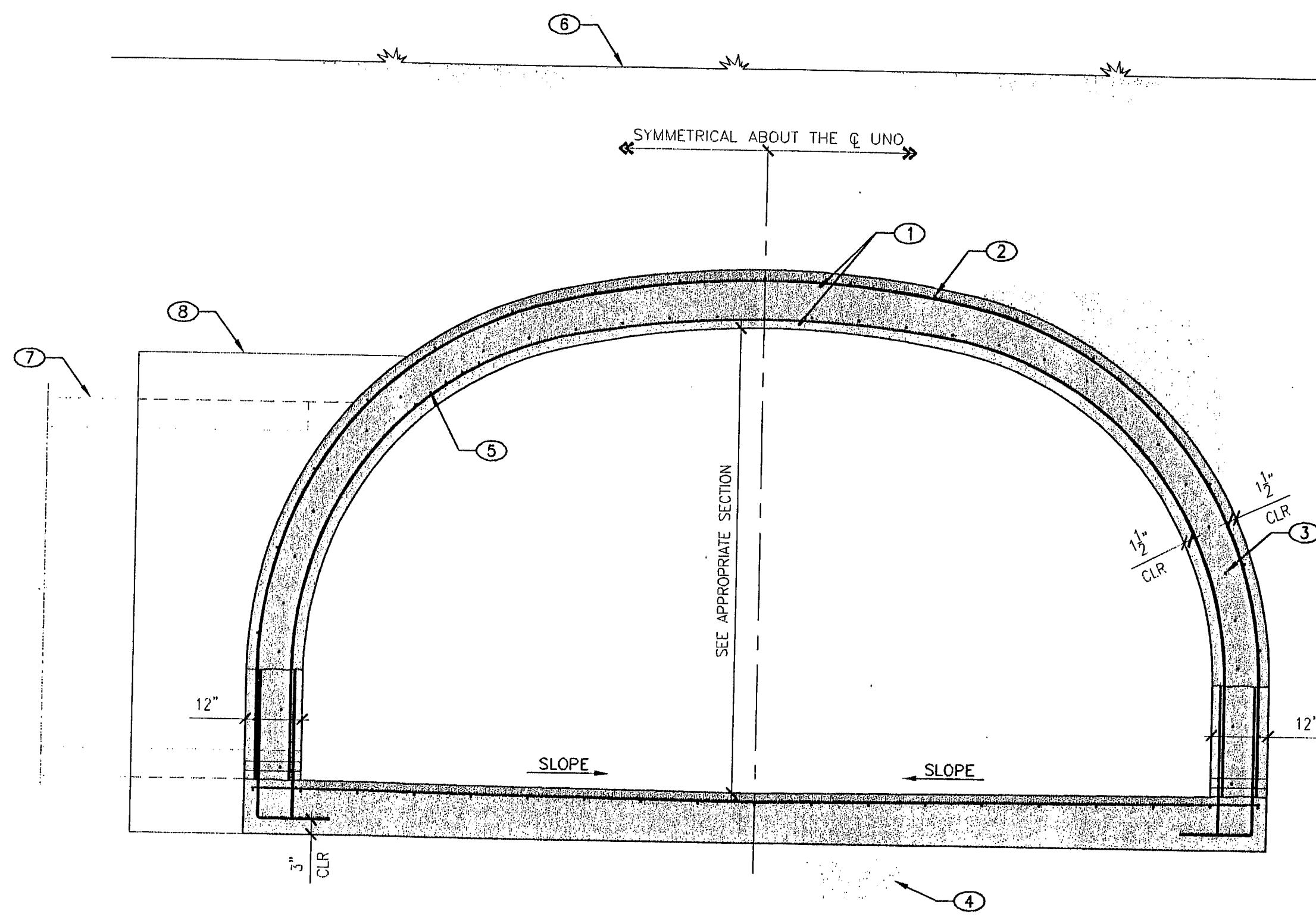


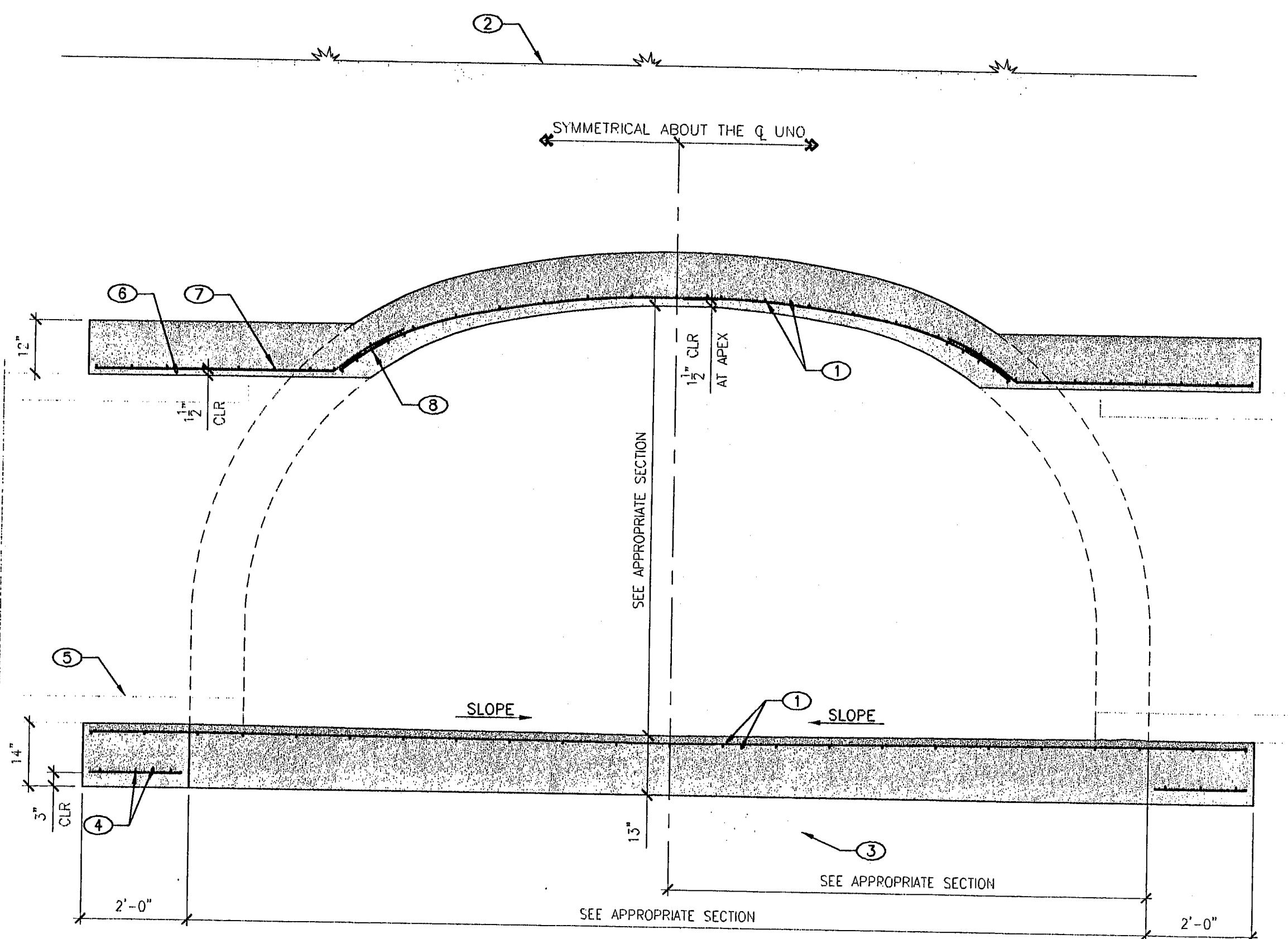
- KEYNOTES:
1. TYPICAL REINF SEE APPROPRIATE SECTION PER PLAN
 2. (5) #5x15'-0" LONG AT 4" O.C. LONGITUDINAL. SEE SECTION 2 THIS SHEET
 3. (10) #5 AT 4" O.C. EA FACE TO REPLACE TYP TRANSVERSE REINF W/ DOWEL TO MATCH AND LAP AT BASE
 4. 12" THICK CONCRETE COLLAR
 5. FINAL GRADE
 6. SEE SECTION 2 THIS SHEET FOR REINF REQUIREMENTS
 7. RCP SIZE VARIES, 54" MAX



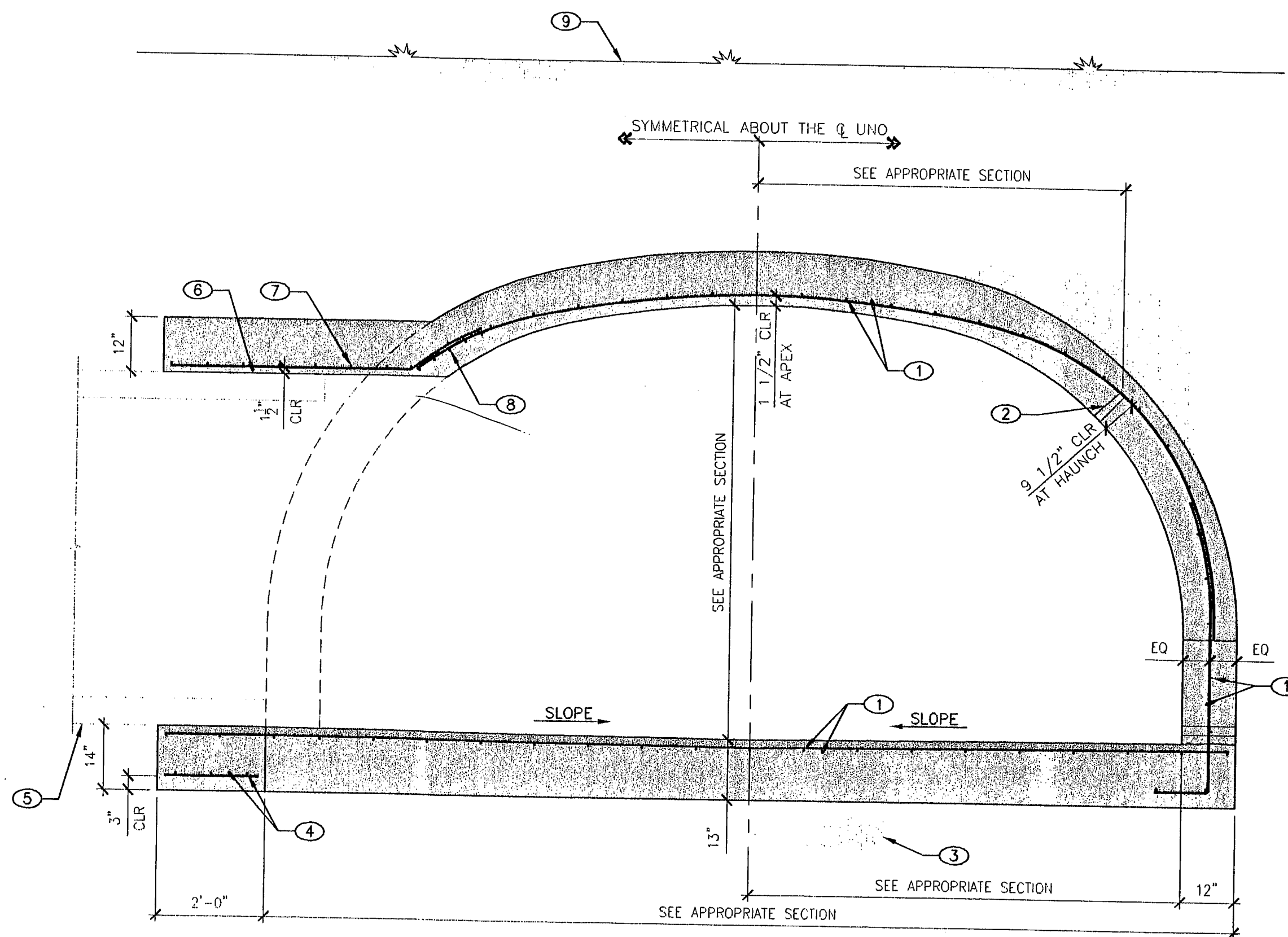
- KEYNOTES:
1. (10) #5 AT 4" O.C. EA FACE TO REPLACE TYP TRANSVERSE REINF W/ DOWEL TO MATCH AND LAP AT BASE
 2. #4x15'-0" LONG AT 18" O.C.
 3. TYPICAL REINF SEE APPROPRIATE SECTION PER PLAN
 4. CULVERT BEDDING PER GSN
 5. (5) #5x15'-0" LONG AT 4" O.C. LONGITUDINAL
 6. FINAL GRADE
 7. RCP BEYOND, SEE PLAN
 8. COLLAR BEYOND, SEE PLAN
- NOTES:
- A. FOR ITEMS SHOWN BUT NOT NOTED SEE APPROPRIATE SECTION PER PLAN

3 SECTION AT THICKENED ARCH CULVERT AND RCP
NO SCALE

1 THICKENED SECTION AT RCP
NO SCALE



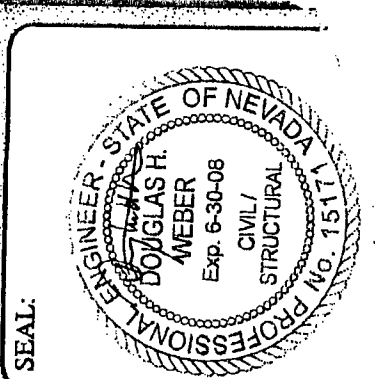
- KEYNOTES:
1. TYPICAL REINF SEE APPROPRIATE SECTION PER PLAN
 2. FINAL GRADE
 3. CULVERT BEDDING PER GSN
 4. #4 AT 8" O.C. EA WAY
 5. RCP BY OTHERS
 6. #4 AT 8" O.C. PLACE RADIALLY AROUND COLLAR
 7. #4 AT 8" O.C.
 8. (5) #5x15'-0" LONG AT 4" O.C.
- NOTE:
- A. FOR ITEMS SHOWN BUT NOT NOTED SEE APPROPRIATE SECTION PER PLAN



- KEYNOTES:
1. TYPICAL REINF SEE APPROPRIATE SECTION PER PLAN
 2. REBAR CHAIR POINT (TYP)
 3. CULVERT BEDDING PER GSN
 4. #4 AT 8" O.C. EA WAY
 5. RCP BY OTHERS
 6. #4 AT 8" O.C. PLACE RADIALLY AROUND COLLAR
 7. #4 AT 8" O.C.
 8. (5) #5x15'-0" LONG AT 4" O.C.
 9. FINAL GRADE
- NOTES:
- A. FOR ITEMS SHOWN BUT NOT NOTED SEE APPROPRIATE SECTION PER PLAN

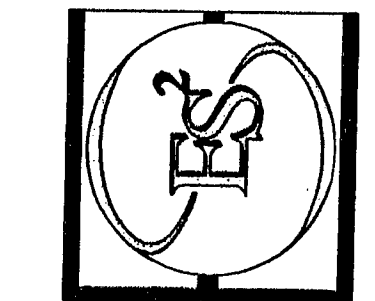
4 SECTION THROUGH RCP
NO SCALE

2 SECTION THROUGH RCP
NO SCALE



DESIGNED: J.W.
DRAWN: S.P.
CHECKED: J.W.
APPROVED: J.W.

ENGINEERING SYSTEM SOLUTIONS
4945 NORTH 29TH EAST, STE A
IDAHO FALLS, IDAHO 83401
Phone: (208) 552-9874
Fax: (208) 552-9302



HYDRO-ARCH
980 MARY CREST ROAD, UNIT B
HENDERSON, NV 89014

PROJECT: LA MADRE LAS VEGAS, NV FOR HYDRO-ARCH
SHEET TITLE: DETAILS

DATE: December 13, 2007
PROJECT NUMBER: 3/07455
SHEET NUMBER: 3

NO.	DATE	DESCRIPTION
1	12/21/07	DATE
2		DATE
3		DATE
4		DATE
5		DATE
6		DATE
7		DATE
8		DATE
9		DATE
10		DATE

DATE: December 13, 2007
PROJECT NUMBER: 3/07455
SHEET NUMBER: 3

S2.3