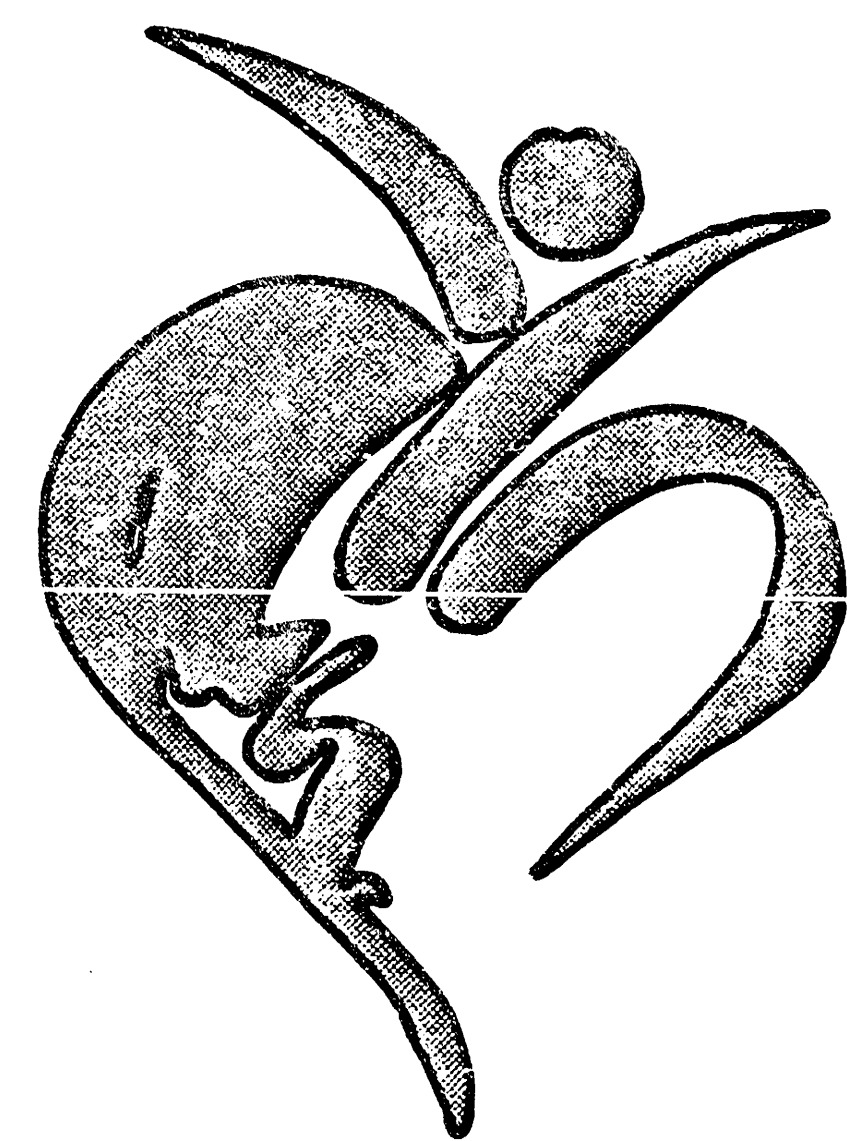




New Campus for HEARTSPRING

Architectural

- A0.1 COVER SHEET
- C0.1 SITE SURVEY
- C1.1 ROUGH GRADING PLAN
- C1.2 ENLARGED SITE PLAN

Structural

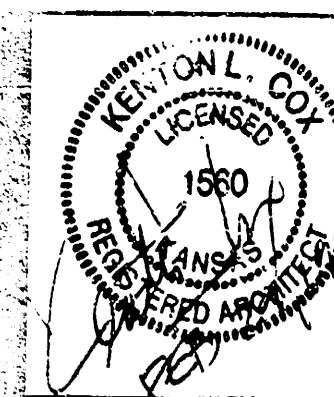
- SC1 STRUCTURAL DRAWINGS

City of Wichita
private project: 621PPS (607861)
City Engineer: Michael E. Lindebak P.E.

AS-BUILTS
2-11-97

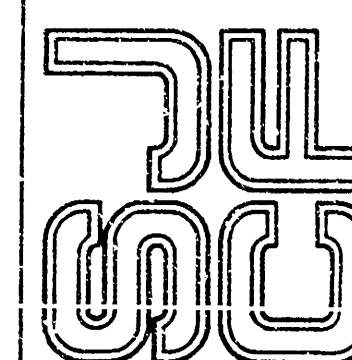
APPROVED AS NOTED BY CITY ENGINEER OF WICHITA	
Sanitary Sewers	
Storm Sewers	U.R.H. 4/4/96
Driveway Approaches	
Water Mains	
Paving	
NOTE TO CONTRACTORS Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer.	

BOX CULVERT PACKAGE



SCHAEFER JOHNSON COX FREY & ASSOCIATES P.A.

ARCHITECTURE ENGINEERING PLANNING & INTERIOR DESIGN
200 SOUTH HILLBIE
WICHITA, KANSAS 67211-5187
EST. 1964-0171 FAX 316 854-0171



KANSAS

New Campus for
HEARTSPRING
WICHITA

HEARTSPRING

REVISION DATE

PROJECT NO.
2580.20

DATE
1 MARCH, 1996

A0.1

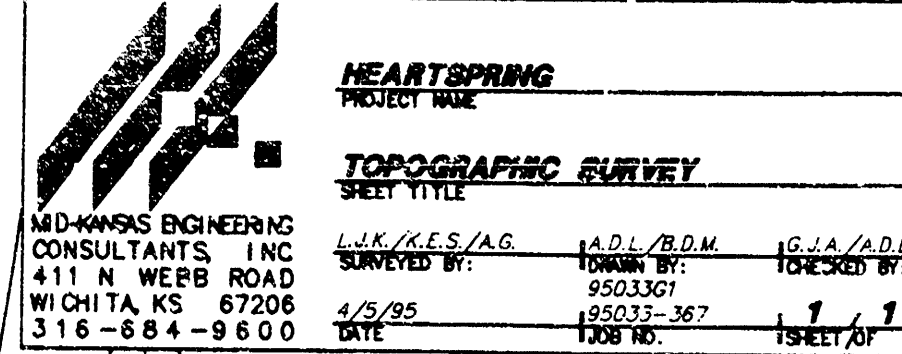
FINAL

CREATED: 11/07/95
PLOTED: 02/19/96

DWG: M:\2580.00\SHARED\2580.20\COVER-BC
DWGSCALE: 1"=0' = 1"=0'

DWG: M:\2580.00\SHARED\DWG\2580C0-1
DWGSCALE: 1" = 60'

CREATED: 10/06/95
PLOTTED: 02/19/96



1. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE LOCATION MAP/PLAN; THE BEST INFORMATION OBTAINABLE FOR DESIGN LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORDS DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
2. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

2. CONTRACTOR MUST NOTIFY TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-FOUR (48) HOURS TO ALL COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
- KANSAS ONE-CALL 1-800-344-7233
OR 847-2700 (LOCAL TOLFREE)
- THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF ANY EMERGENCY:
- SUBSTANTIATION BELL TELEPHONE COMPANY 1-571-2515
CABLEVISION 282-0097
KANSAS GAS & ELECTRIC (ELECTRIC) 286-1144
KANSAS GAS & ELECTRIC (GAS) 832-3880 CR 286-1144
CITY OF WICHITA SEWER MAINTENANCE 292-0003
FARMLAND INDUSTRIES (HIS) 333-3311
CITY OF WICHITA WATER DEPARTMENT 288-4008

- S-S- SANITARY SENER
- U- UNDER GROUND ELECTRIC
- O- OVER HEAD ELECTRIC
- C-W- CATCH WATER SENER
- G- GAS
- S-W- SANITARY SENER MANHOLE
- S-W- STORM WATER SENER MANHOLE
- T- EDGE OF TREES
- T- DECIDUOUS TREE
- P- PINE TREE
- H- HUB
- P- POWER POLE
- P- PIPE LINE MARKER
- R- RICH PIPE
- S- SPRINKLER HEAD
- T- TELEPHONE RISER
- T- TRANSFORMER
- B- BENCH MARK

BM 1 " CUT ON S.T.C. 29TH ST. N. +530' W. OF THE CL. OF CYPRSS
ELEV. = 219.70

BM 2 CITY DISC IN NW CORNER OF RCB ON 29TH ST. N. +100' E. OF THE S. 1/4
ELEV. = 216.65

BM 3 CITY DISC IN NE CORNER OF RCB ON 29TH ST. N. +550' W. OF THE S. 1/4
CORNER SEC. 32-265-2E
ELEV. = 216.83

BM 4 " POST 5' S. & 30' E. OF THE NW COR. OF LOT 5-1 MEDITERRANEAN
PLAZA
ELEV. = 222.78

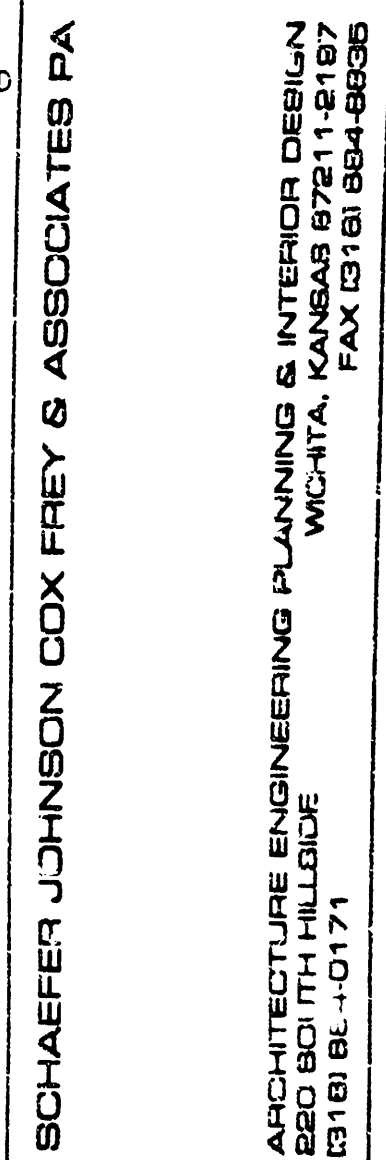
BM 5 " CUT 1.0' S. SE CORNER LOT B BLOCK 1 ON CYPRSS
ELEV. = 223.64

BM 6 " CUT TOP HUB/ARD ON NE CORNER RCB CROSSING CYPRESS ●
NW CORNER LOT 9 BLOCK 2
ELEV. = 226.43

BM 7 " CUT TOP HUB/ARD ON NW CORNER RCB CROSSING CYPRESS ●
N. CORNER LOT 12 BLOCK 1
ELEV. = 223.96

SITE SURVEY
SCALE: 1" = 80'

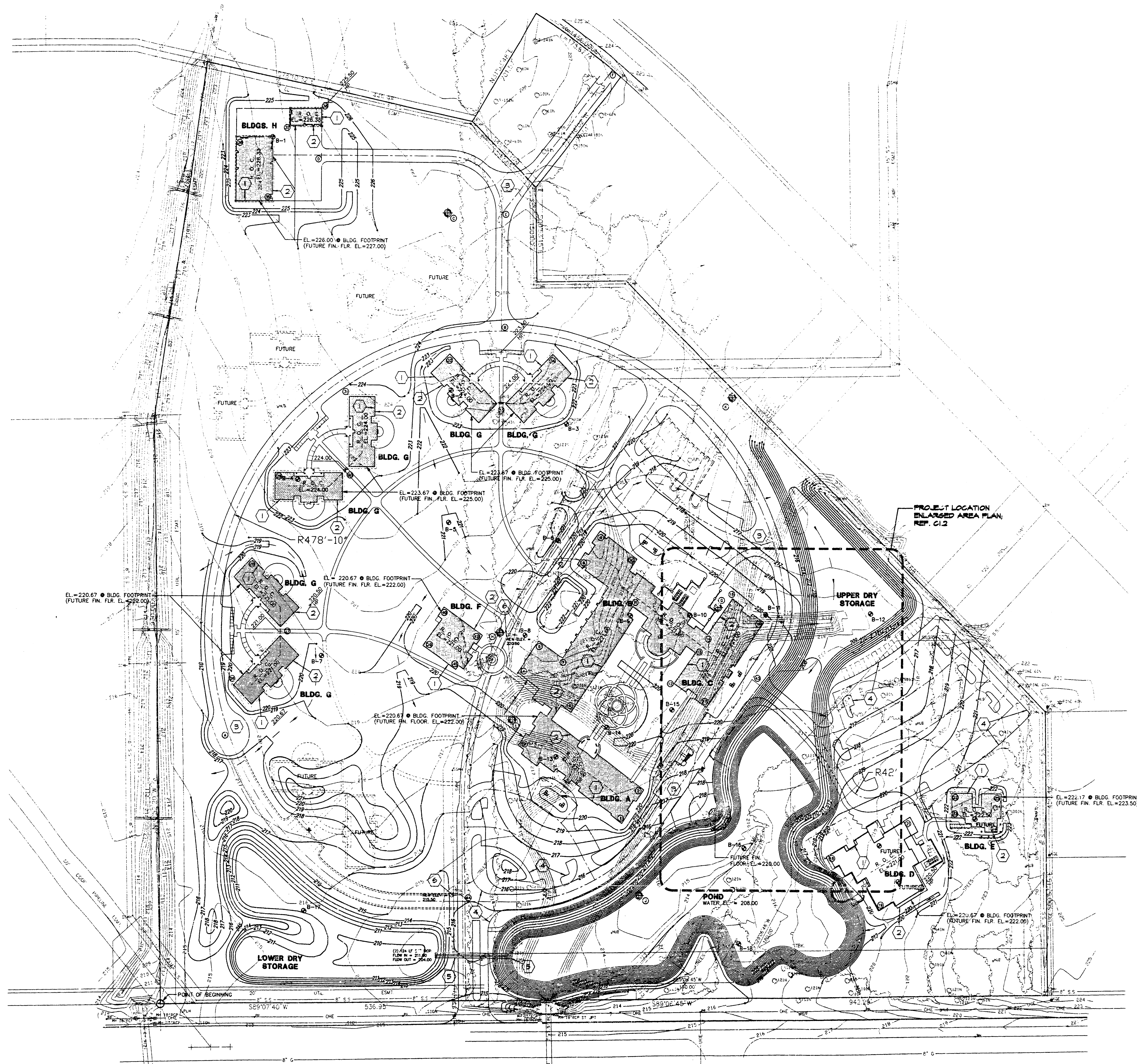
THIS LAND SURVEY WAS PREPARED BY MID-KANSAS ENGINEERING CONSULTANTS, INC., AN INDEPENDANT CONTRACTOR TO AND FOR HEARTSPRING. THE LAND SURVEY WAS PROVIDED TO SCHAEFER JOHNSON COX FREY & ASSOCIATES, P.A., WHO PLACED, ON SHEETS CO.1, C1.0, C1.1, C1.2, & C1.3, THE BUILDING OUTLINE AND POSITIONING DIMENSIONS ON THAT DRAWING. SCHAEFER JOHNSON COX FREY & ASSOCIATES, P.A. ASSUMES NO LIABILITY FOR THE ACCURACY AND COMPLETENESS OF THE LAND SURVEY.


HEARTSPRING

C0.1

DWG: M:\2580.DWG SHARED 2580.DWG 2580C1-1
CREATED: 10/06/95
PLOTTED: 02/20/96
DWGSCALE: 1" = 60'

FINAL



GENERAL NOTES

SHEET C1.1

- REFER TO SITE SURVEY, SHEET C0.1 FOR ALL UTILITY DESCRIPTIONS, NOTES AND LEGAL DESCRIPTION.
- THIS CONTRACT DOES NOT INCLUDE ANY CONCRETE FOOTINGS, BUILDINGS, CONCRETE CURBS OR ASPHALT PAVING. REFERENCES TO THESE ITEMS ARE FOR INFORMATION ONLY.
- ALL PROPOSED CONTOURS AND NEW SPOT ELEVATIONS SHOWN ON DRAWINGS ARE FINAL GRADES UNLESS NOTED OTHERWISE AND GRADING CONTRACTOR TO PREPARE GRADES TO ROUGH GRADE ELEVATIONS. ALLOW FOR 4" TOPSOIL TO BE ADDED AT A LATER DATE.
- BUILDING CORNERS ARE LOCATED BY COORDINATE DIMENSIONS STARTING FROM THE SW PROPERTY CORNER (0.0.0.0). NUMBERS ARE IN FEET WITH THE FIRST NUMBER BEING "X" DIRECTION AND THE SECOND BEING "Y" DIRECTION.
- REMOVE 4" OF TOPSOIL IN ALL AREAS TO BE DISTURBED AND STOCKPILE. COORDINATE LOCATIONS WITH ARCHITECT. DO NOT USE STOCKPILE UNTIL END OF PROJECT.
- REFER TO C1.0 FOR TREE REMOVAL PLAN.
- MINIMUM POND ELEVATION 202.00, MAY BE UTILIZED AS REQUIRED FOR ADDITIONAL BORROW AREA.
- CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION. CALL KANSAS ONE CALL (687-2470) 48 HOURS IN ADVANCE.
- ALL DISTURBED AREAS ARE TO BE SEED WITH ANNUAL RYEGRASS.
- MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
- PROVIDE AN EARTH-LAKE LINER OF NATIVE SOILS 12" THICK PER GEOTECHNICAL ENGINEERING REPORT AT POND AS NOTED ON PLAN. LINER TO BEGIN AT NORMAL POOL ELEVATION (208.00) AND PROCEED DOWNWARD TO COVER ENTIRE POND SIDE AND BOTTOM.
- ELEVATION GIVEN AT BLDG. FOOTPRINT REPRESENTS TOP OF 6" COVER OVER ZONE OF LIGHTLY SWEET SUSCEPTIBLE MATERIAL AS PER GEOTECHNICAL ENGINEERING REPORT.

KEYED NOTES

SHEET C1.1

- FUTURE HEARTSPRING BUILDING FOOTPRINT, (N.I.C.)
- EXTENT OF STABILIZED BUILDING PAD MATERIAL, (REF. SOILS REPORT & SPEC.)
- FUTURE ASPHALT DRIVES & STREETS (N.I.C.)
- FUTURE CONCRETE CURBS & GUTTER (N.I.C.)
- REINFORCED CONCRETE PIPE WITH END SECTIONS BY ROUGH GRADING CONTRACTOR
- RAISE EXISTING MANHOLE F.W. AS NOTED
- FUTURE REINFORCED BOX CULVERT & TRAFFICWAY, (N.I.C.)

CONSTRUCTION COORDINATES

- | | |
|----------------------|-----------------------|
| ① 765'-1", 291'-4" | ⑩ 559'-10", 949'-6" |
| ② 802'-8", 344'-9" | ⑪ 645'-7", 1035'-3" |
| ③ 590'-8", 414'-3" | ⑫ 179'-5", 1276'-3" |
| ④ 489'-6", 529'-10" | ⑬ 117'-10", 1377'-11" |
| ⑤ 678'-10", 466'-10" | ⑭ 207'-10", 1396'-2" |
| ⑥ 625'-0", 580'-3" | ⑮ 259'-6", 1422'-10" |
| ⑦ 664'-2", 553'-4" | ⑯ 433'-0", 572'-0" |
| ⑧ 688'-9", 702'-4" | ⑰ 486'-11", 533'-4" |
| ⑨ 728'-4", 755'-9" | ⑱ 486'-5", 533'-10" |
| ⑩ 789'-7", 711'-2" | ⑲ 530'-2", 588'-3" |
| ⑪ 782'-9", 635'-11" | ⑳ 981'-2", 521'-3" |
| ⑫ 852'-0", 513'-11" | ㉑ 503'-8", 165'-7" |
| ⑬ 688'-6", 562'-10" | |
| ⑭ 906'-11", 591'-10" | |
| ⑮ 947'-3", 649'-1" | |
| ⑯ 1000'-8", 611'-5" | |
| ⑰ 905'-5", 478'-3" | |
| ⑱ 1055'-8", 240'-7" | |
| ㉑ 1196'-2", 155'-10" | |
| ㉒ 1277'-2", 188'-9" | |
| ㉓ 1247'-7", 304'-1" | |
| ㉔ 316'-8", 342'-5" | |
| ㉕ 1316'-8", 303'-1" | |
| ㉖ 1392'-0", 281'-2" | |
| ㉗ 1398'-0", 342'-6" | |
| ㉘ 117'-6", 507'-4" | |
| ㉙ 1033'-4", 593'-1" | |
| ㉚ 117'-6", 678'-10" | |
| ㉛ 186'-5", 845'-2" | |
| ㉜ 307'-9", 845'-2" | |
| ㉝ 307'-9", 986'-6" | |
| ㉞ 474'-1", 1035'-3" | |
- | |
|--------------------------------------|
| ① 109'-10", 429'-3", 35' R. |
| ② 559'-9", 1071'-10" |
| ③ 469'-9", 1246'-10", 90' R. ● CL |
| ④ 259'-6", 1348'-10" |
| ⑤ 559'-9", 1250'-10" |
| ⑥ 742'-9", 1486'-9" |
| ⑦ 923'-8", 635'-0", 112'-6" R. ● CL |
| ⑧ 550'-0", 563'-0", 478'-10" R. ● CL |
| ⑨ 795'-6", 177'-7", 388'-0" R. ● CL |
| ⑩ 945'-2", 968'-5" |
| ⑪ 580'-8", 454'-9", 289'-1.78" R. |

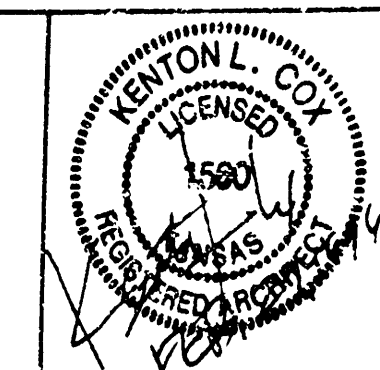
LEGEND

SHEET C1.1

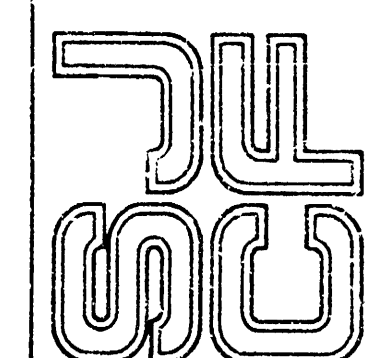
- | | |
|------------|---|
| — 215 — | EXISTING CONTOUR |
| — 219 — | NEW CONTOUR |
| — R.O.C. — | RIDGE OF CROWN |
| — — | DRAINAGE SWALE |
| HP | HIGH POINT |
| ● B-14 | BORING LOCATION |
| ● | CENTER POINT OF ARC |
| ⑤ | BUILDING CORNER NUMBER AND CONSTRUCTION COORDINATES |

FOR INFORMATION ONLY

**ROUGH GRADING
SITE PLAN**
SCALE: 1" = 60'



SCHAEFER JOHNSON COX FREY & ASSOCIATES, P.A.
ARCHITECTURE ENGINEERING PLANNING & INTERIOR DESIGN
250 SOUTH HILLBIE
WICHITA, KANSAS 67211-1817
TEL: 687-8840 FAX: 687-8836



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WICHITA

HEARTSPRING

REVISION DATE

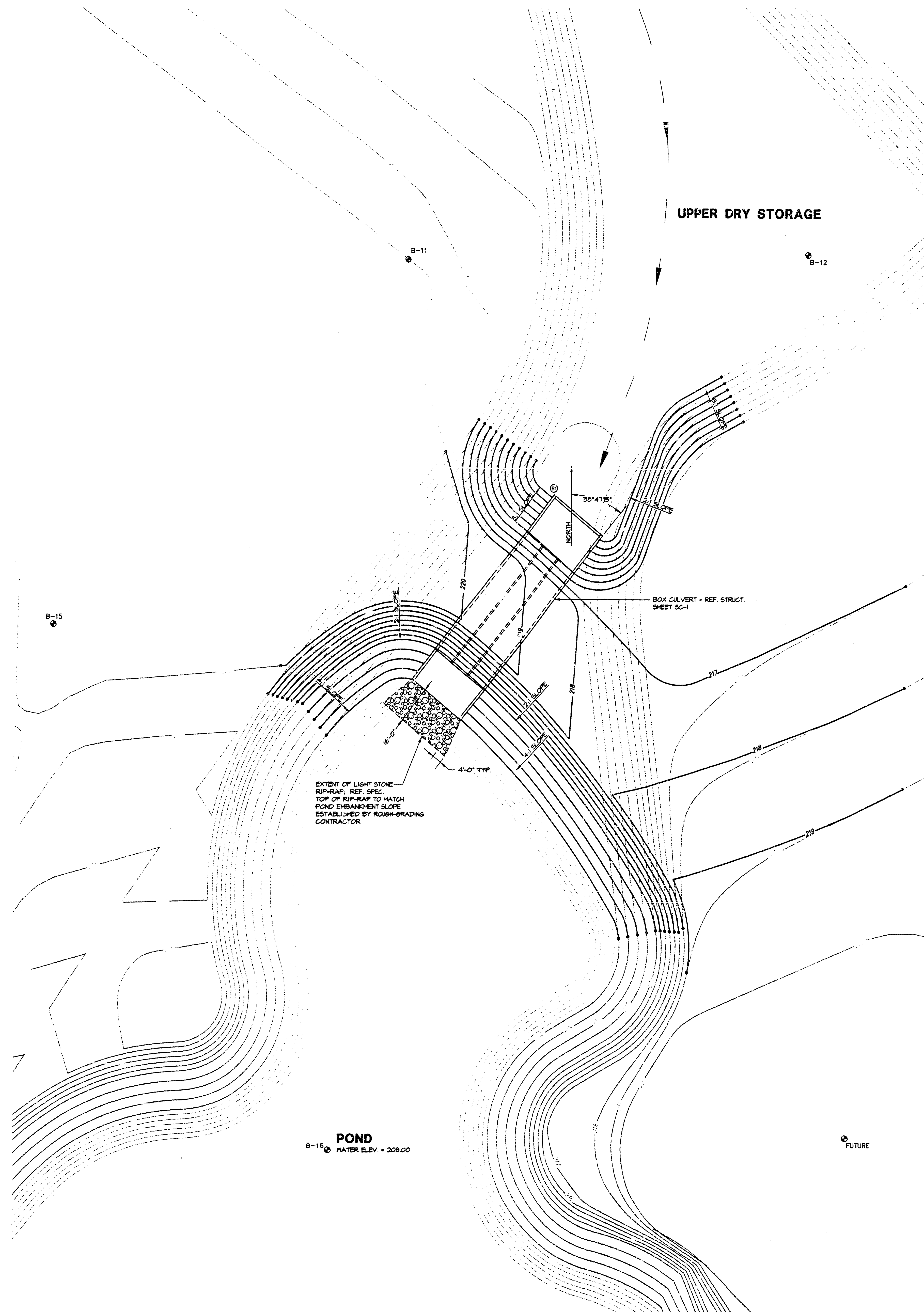
PROJECT NO.

2580.20

DATE

1 MARCH 1996

C1.1



GENERAL NOTES

SHEET C1.2

- REFER TO SITE SURVEY, SHEET CO.1 FOR ALL UTILITY DESCRIPTIONS, NOTES AND LEGAL DESCRIPTION PERTAINING TO SITE SURVEY.
- THIS CONTRACT DOES NOT INCLUDE ANY BUILDINGS, CONCRETE CURBS OR ASPHALT PAVEMENT. REFERENCES TO THESE ITEMS ARE FOR INFORMATION ONLY.
- ALL PROPOSED CONTOURS AND NEW SPOT ELEVATIONS SHOWN ON DRAWINGS ARE FINAL GRADES UNLESS NOTED OTHERWISE AND BOX CULVERT CONTRACTOR TO PREPARE GRADES TO ROUGH GRADE ELEVATIONS ALLOW FOR 4" TOPSOIL TO BE ADDED AT A LATER DATE.
- BUILDING CORNERS ARE LOCATED BY COORDINATE DIMENSIONS STARTING FROM THE SW PROPERTY CORNER (0.0,0.0). NUMBERS ARE IN FEET WITH THE FIRST NUMBER BEING "X" DIRECTION AND THE SECOND BEING "Y" DIRECTION.
- CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION. CALL KANSAS ONE CALL (887-2470) 48 HOURS IN ADVANCE.
- ALL DISTURBED AREAS ARE TO BE SEEDED W/ANNUAL RYEGRASS.
- MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
- WHERE POND-SIDE OF BOX CULVERT GRADES HAVE BEEN DISTURBED FROM CONSTRUCTION OF CULVERT & GRADING, REPAIR EARTHEN LAKE LINER WITH NATIVE SOILS 12" THICK PER GEOTECHNICAL ENGINEERING REPORT AT POND AS NOTED ON PLAN. LINER TO BEGIN AT NORMAL POOL ELEVATION (208.00) AND PROCEED DOWNWARD TO COVER ENTIRE POND SIDE AND BOTTOM.
- ALL CONTOURS SHOWN SCREENED, REPRESENT WORK COMPLETED BY ROUGH GRADING PACKAGE. ALL CONTOURS SHOWN SOLID, REPRESENT WORK TO BE COMPLETED DURING THIS BOX CULVERT PACKAGE, BY THE BOX CULVERT CONTRACTOR.

CONSTRUCTION COORDINATES

① 1067'-7.5", 526'-3"

LEGEND

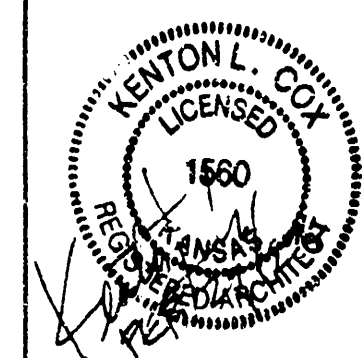
SHEET C1.2

- EXISTING CONTOUR (BY ROUGH GRADING CONTRACTOR)
- NEW CONTOUR (BY BOX CULVERT CONTRACTOR)
- R.O.C. RIDGE OF CROWN
- DRAINAGE SWALE
- HP HIGH POINT
- B-14 BORING LOCATION
- CENTER POINT OF ARC
- BOX CULVERT CONSTRUCTION COORDINATE



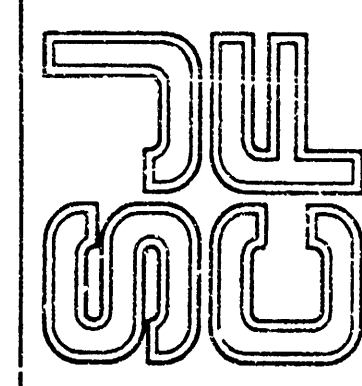
ENLARGED AREA SITE PLAN

SITE GRADING & BOX CULVERT PLAN
SCALE: 1" = 20'-0"



SCHAEFER JOHNSON COX FREY & ASSOCIATES PA

ARCHITECTURE ENGINEERING PLANNING & INTERIOR DESIGN
850 SOUTH HILLSIDE WICHITA, KANSAS 67211-5187
3161 884-0171 FAX 316 884-5555



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WICHITA

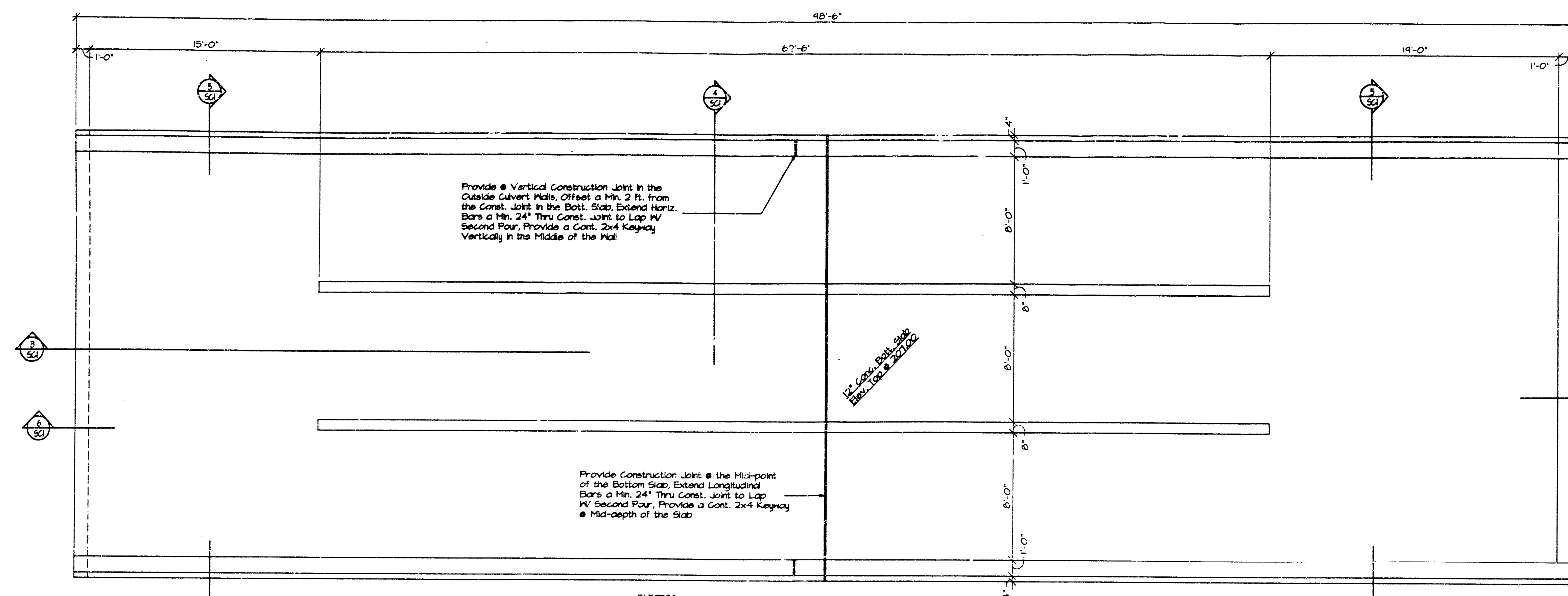
HEARTSPRING

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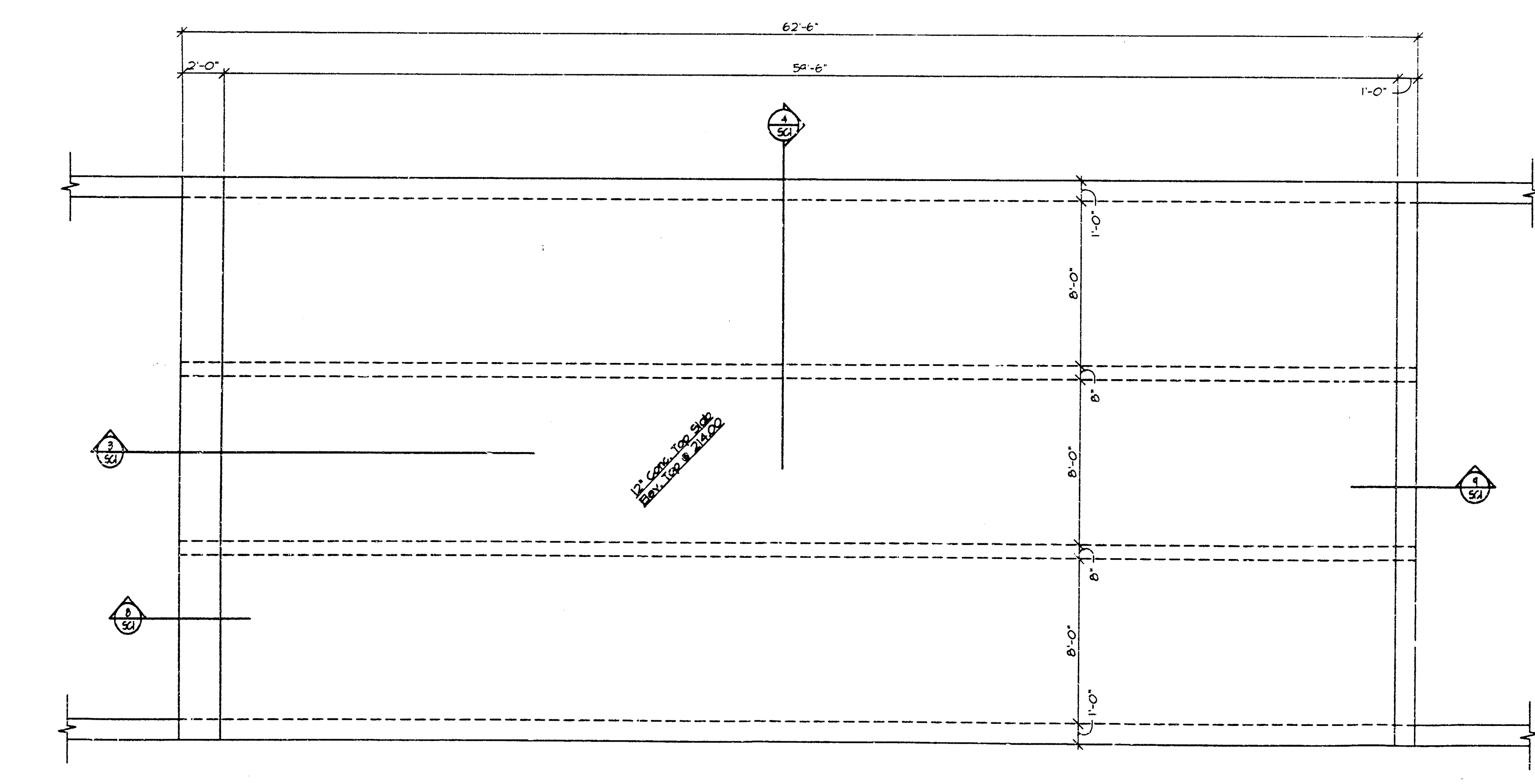
PROJECT NO.
2580.20

DATE
1 MARCH, 1996

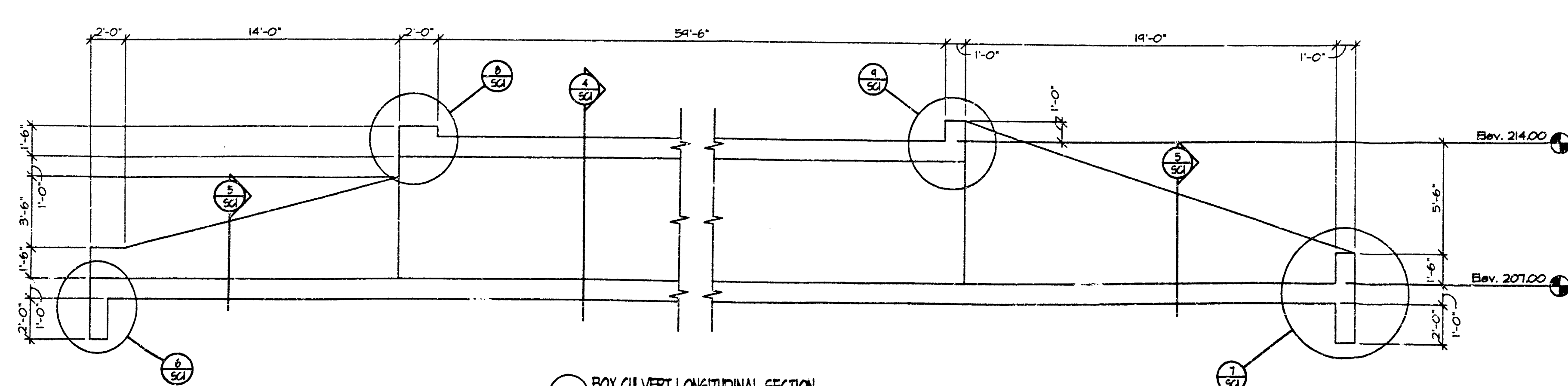
C1.2



1 BOX CULVERT BOTTOM SLAB PLAN
1/4" = 1'-0"



2 BOX CULVERT TOP SLAB PLAN
1/4" = 1'-0"



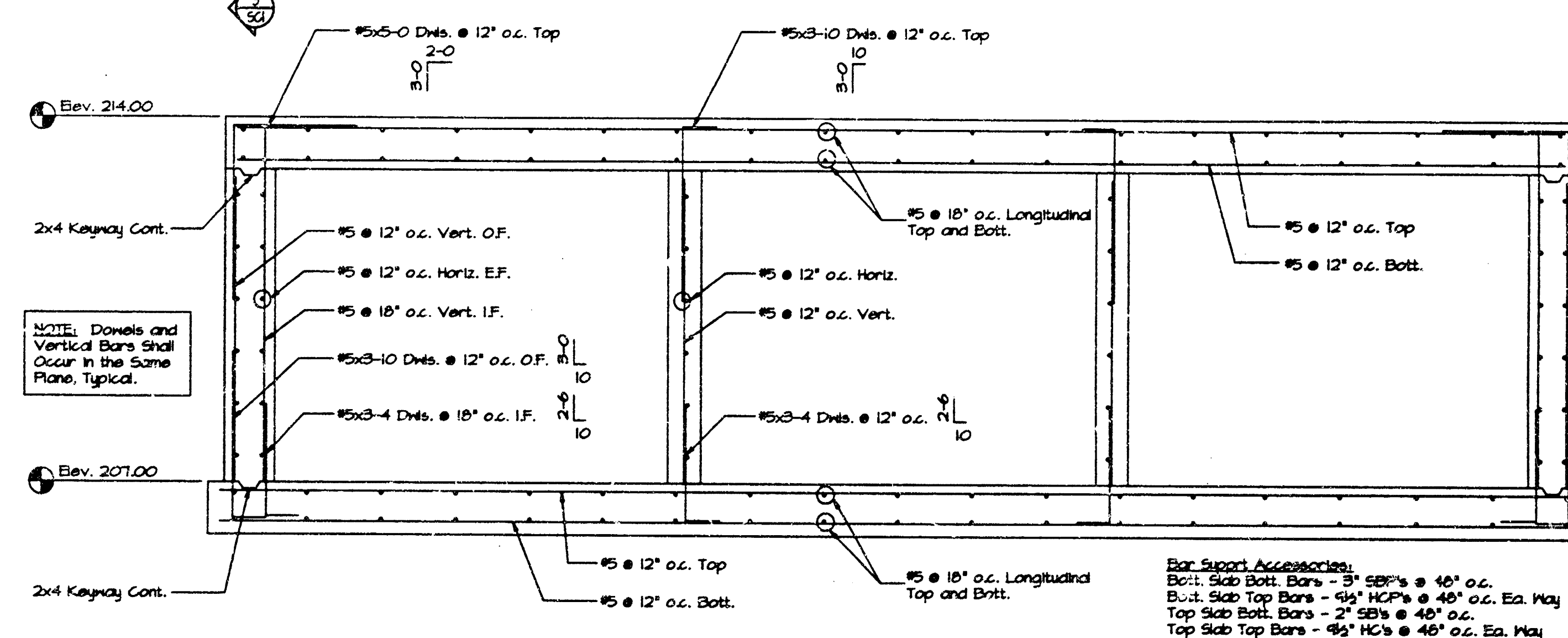
3 BOX CULVERT LONGITUDINAL SECTION
1/4" = 1'-0"

GENERAL STRUCTURAL NOTES
Structure is designed for 100-44 and 1520-44 loading per AASHTO specifications. General contractor shall develop, provide, and maintain forms, including bracing and other methods as required to support the construction loads and stabilize the structure during the construction process.
All corners and slabs shall be constructed to support the top slab and remain intact for a minimum of 14 days after the slab has been placed and until the concrete has attained the specified compressive strength.
No settlement, cracking, or other movement shall be allowed on or adjacent to the structure until the concrete has cured for a minimum of 21 days and the concrete has attained the specified compressive strength.

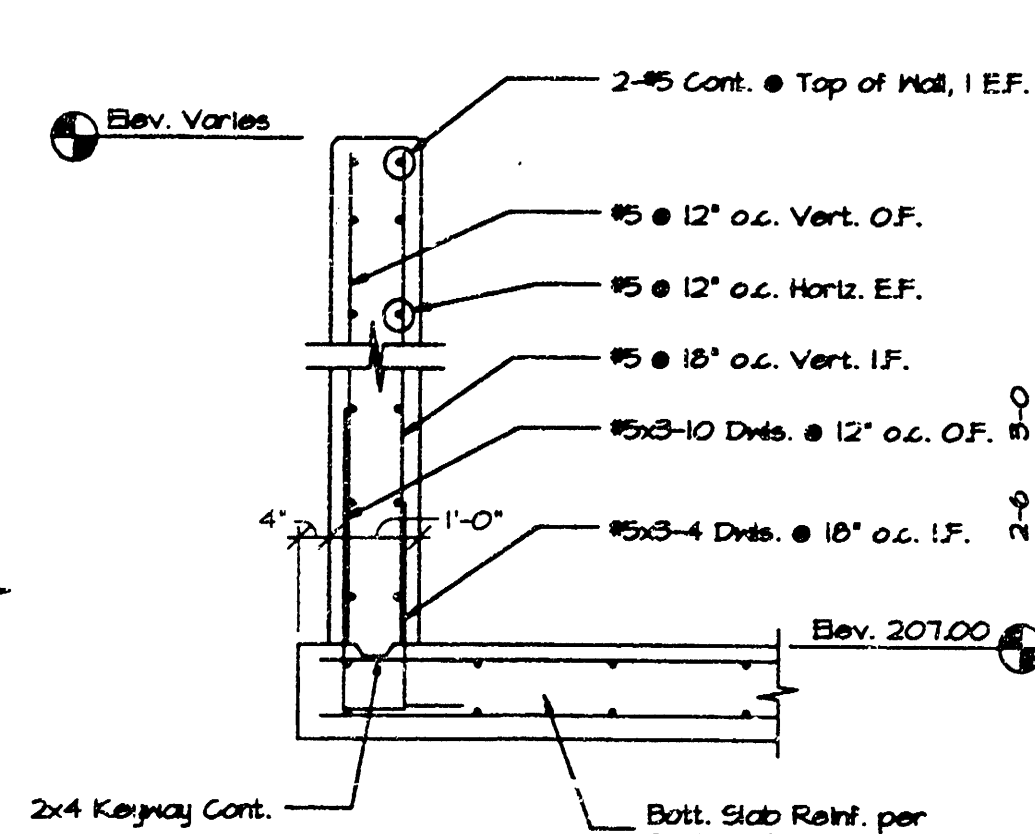
CAST-IN-PLACE CONCRETE
All concrete shall have a minimum compressive strength of 4000 psi at 28 days.
All aggregate for normal weight concrete shall meet ASTM C33. Aggregates shall be proportioned such that the design shall contain a minimum of 50% coarse aggregate by mass requirements set forth in ASTM C33. Coarse aggregate shall meet No. 67 grading requirements.
All concrete shall be proportioned with a maximum water to cement ratio of 0.40.
All concrete shall have from 4% to 7% entrained air.
Concrete shall be in strict accordance with the current "ACI Manual of Concrete Practice".
No rebar shall be placed in concrete.
Chamfer all exposed edges of concrete 1/4".

REINFORCING STEEL
All reinforcing steel shall meet ASTM A615-60/65 including supplementary requirements S1.
Reinforcing steel shall be continuous and lapped a minimum of 24" or 30 bar diameters whichever is greater, unless otherwise noted.
Locations of lap splices shall only occur at locations shown and approved on the reinforcing steel shop drawings.
Reinforcing steel shall be detailed according to the ACI Detailing Manual under the supervision of a structural engineer licensed in the state where the project is located.
All reinforcing steel shall be placed and supported by plastic coated bar supports at a maximum spacing of 48" except for the bottom slab bars which shall be supported by non-protected bar supports with bottom plates.
Provide corner lap bars to match in size and spacing of all horizontal bars.
Provide 3" steel mesh with continuous bottom plate at 4'-0" maximum centers for positioning all bottom slab bottom bars.
Mark each bundle of reinforcing with weatherproof L.

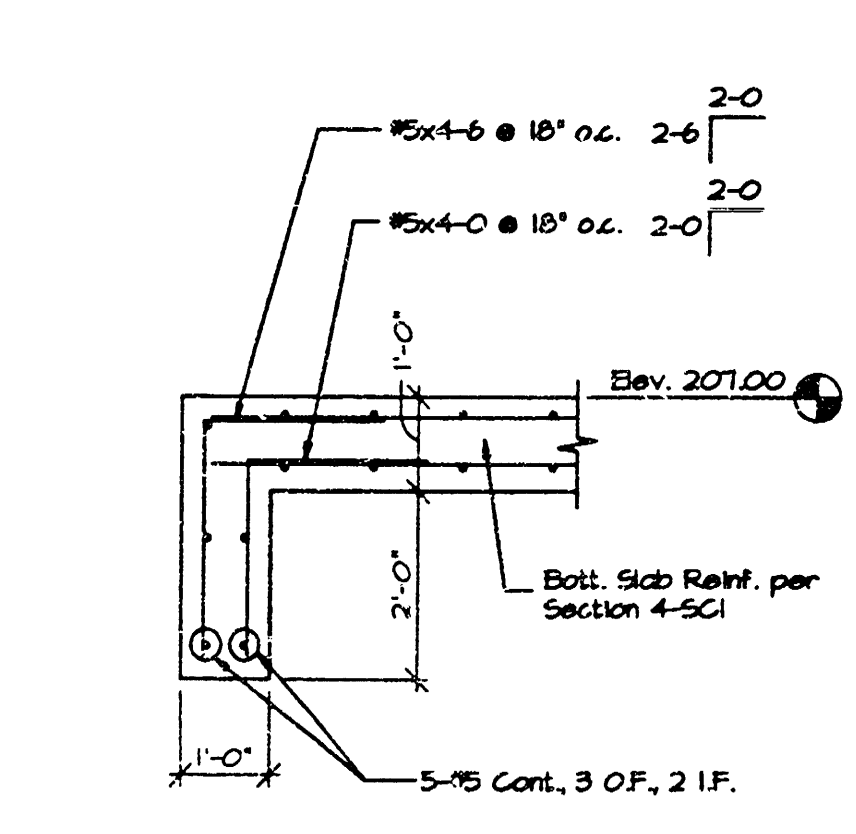
CONCRETE COVERAGE
Place and support all reinforcing steel to provide the following concrete coverages prior to and during concrete placement:
Bottom bars of bottom slab - 3 in.
Top bars of bottom slab - 2 in.
Bottom bars of top slab - 2 in.
Top bars of top slab - 2 in.
All vertical bars - 2 in.



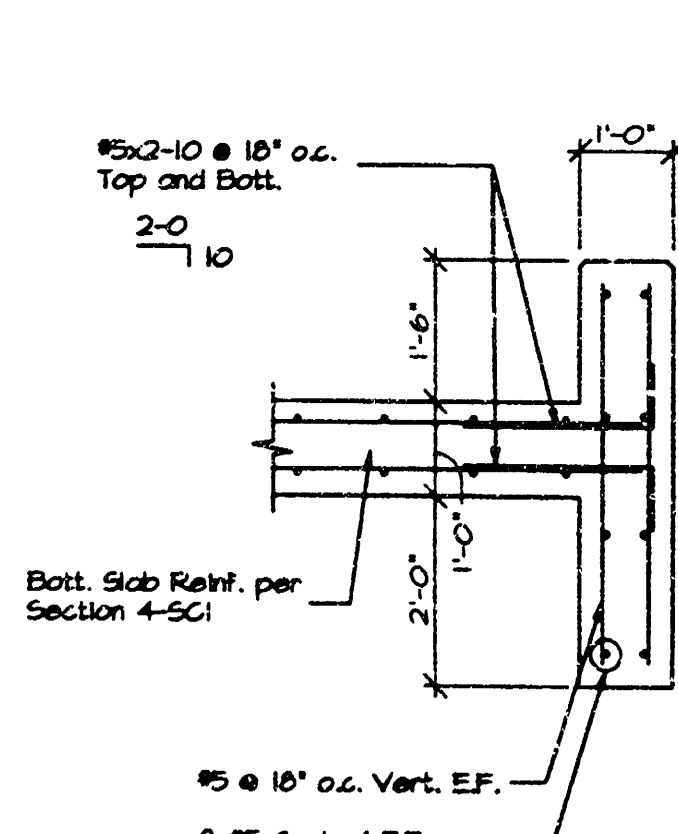
4 BOX CULVERT CROSS SECTION
1/4" = 1'-0"



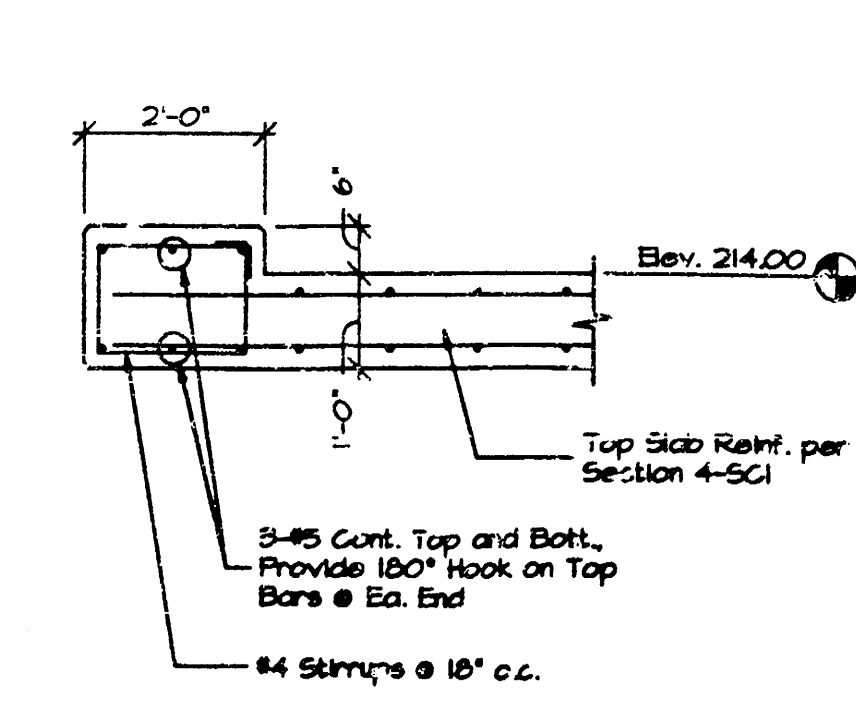
5 SECTION
1/4" = 1'-0"



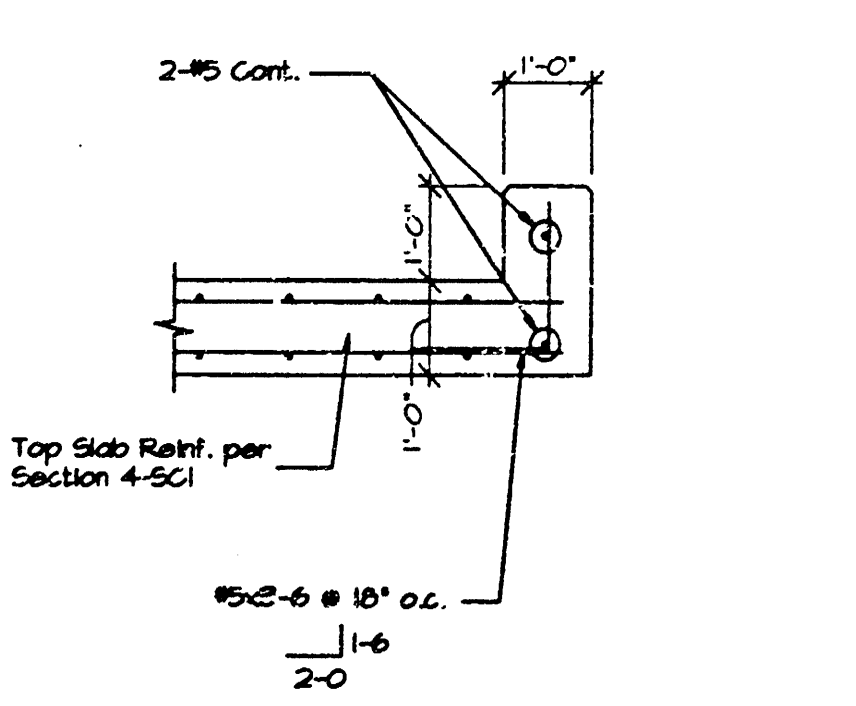
6 SECTION
1/4" = 1'-0"



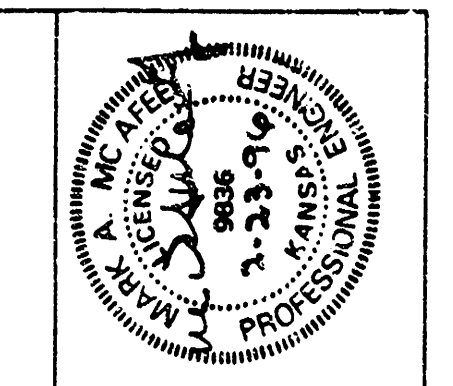
7 SECTION
1/4" = 1'-0"



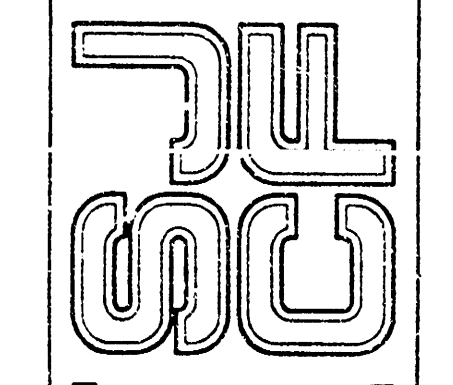
8 SECTION
1/4" = 1'-0"



9 SECTION
1/4" = 1'-0"



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TEL: 620-624-0171 FAX: 620-624-0171



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WICHITA

HEARTSPRING
WICHITA

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DATE
1 MARCH 1996

SC1

02/23/96 [MAM]
1/46-COC6C1 [1/4]
Dunbar Williams & Associates, P.A.
Structural Engineers
230 Laurel, Wichita, Kansas 67211