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.

BOOKED 5-13-97 MLG D-339

AS-BUILTS
2-11-97

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers URH 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

FINAL

DWG: M:\2580.00\SHARED\2580.20\COVER-BC
DWGSCALE: 1'-0" = 1'-0"
CREATED: 11/07/95
PLOTTED: 02/19/96

SCHAEFER JOHNSON COX FREY & ASSOCIATES PA
ARCHITECTURE ENGINEERING PLANNING & INTERIOR DESIGN
220 SOUTH HILLSIDE WICHITA, KANSAS 67211-2197
(316) 364-0171 FAX (316) 684-8635

KANSAS

HEARTSPRING New Campus for HEARTSPRING WICHITA

REVISION DATE

PROJECT NO. 2580.20

DATE 1 MARCH, 1996

A0.1

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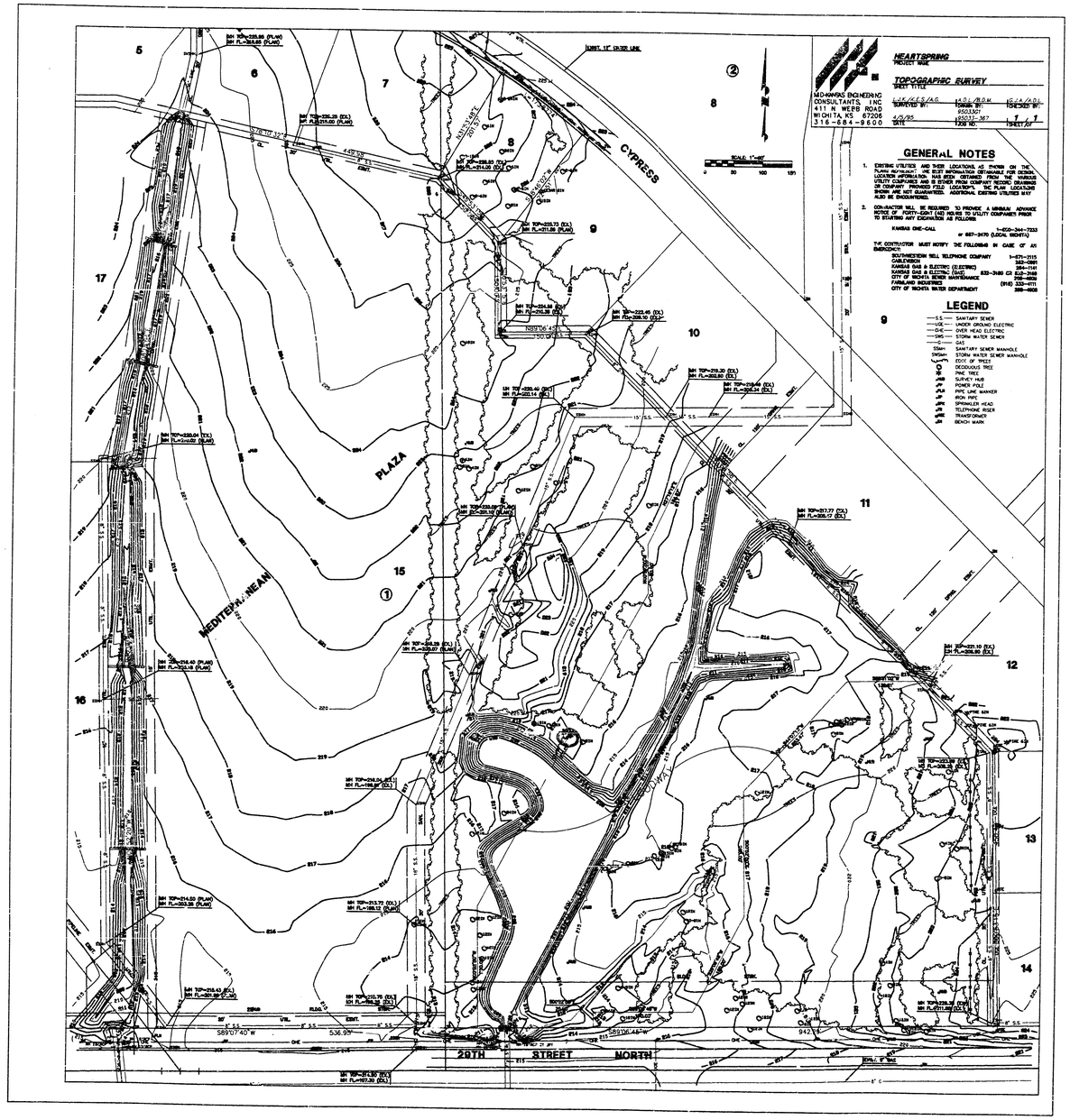

GENERAL NOTES

FOR INFORMATION ONLY

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 C0.1, 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.

MID-KANSAS ENGINEERING CONSULTANTS, INC
411 N WEBB ROAD
WICHITA, KS 67206
316-684-9600

HEARTSPRING
PROJECT NAME

TOPOGRAPHIC SURVEY
SHEET TITLE

L.F./E.F./A.G.	A.D.J./B.D.M.	C.J.A./D.D.L.
SURVEYED BY:	10/06/95	DRAWN BY:
A.D.J./B.D.M.	950330T	CHECKED BY:
DATE	950912-367	
	FIELD BK.:	SHEET NO. 1 OF 1 SHEETS

GENERAL NOTES

1. EXISTING UTILITIES AND THEIR LOCATIONS AS SHOWN ON THIS PLANS ARE APPROXIMATE. THE BEST INFORMATION OBTAINABLE FOR DESIGN LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS BASED FROM COMPANY RECORD DRAWINGS AND/OR FIELD LOCATIONS. THE LOCATIONS SHOWN ARE NOT CHANGED 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:

KANSAS ONE-CALL 1-800-344-7233
or 687-2470 (LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

SOUTHWESTERN BELL TELEPHONE COMPANY	1-671-2515
CABLEVISION	264-7141
KANSAS GAS & ELECTRIC (ELECTRIC)	264-7141
KANSAS GAS & ELECTRIC (GAS)	832-2680 OR 832-2681
CITY OF WICHITA SEWER MAINTENANCE	268-4554
FARMLAND INDUSTRIES	(918) 333-4111
CITY OF WICHITA WATER DEPARTMENT	268-4600

LEGEND

- SS — SANITARY SEWER
- UGE — UNDER GROUND ELECTRIC
- OHE — OVER HEAD ELECTRIC
- SWS — STORM WATER SEWER
- G — GAS
- SSMH: SANITARY SEWER MANHOLE
- SWSMH: STORM WATER SEWER MANHOLE
- EDGE OF TREES
- DECIDUOUS TREE
- PINE TREE
- SURVEY HUB
- POWER POLE
- PIPE LINE MARKER
- IRON PIPE
- SPRINKLER HEAD
- TELEPHONE RISER
- TRANSFORMER
- BENCH MARK

BENCHMARKS

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

BM 2 CITY DISC IN NW CORNER OF RCB ON 29TH ST. N. +100' E. OF THE S. 1/4 CORNER SEC. 32-26S-2E
ELEV. = 215.65

BM 3 CITY DISC IN NE CORNER OF RCB ON 29TH ST. N. +550' W. OF THE S. 1/4 CORNER SEC. 32-26S-2E
ELEV. = 215.83

BM 4 "T" POST 5' S. & 30' E. OF THE NW COR. OF LOT 5-1 MEDITERRANEAN PLAZA
ELEV. = 229.75

BM 5 " " CUT T.C. ● SE CORNER LOT 8 BLOCK 1 ON CYPRESS
ELEV. = 223.64

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

BM 7 " " CUT TOP HUBGUARD ON NW CORNER RCB CROSSING CYPRESS ●
N. CORNER LOT 12 BLOCK 1.
ELEV. = 223.98

PROVIDED FOR INFORMATION ONLY

SITE SURVEY
SCALE: 1" = 80'

NEWTON L. COX LICENSED 1850 LAND SURVEYOR KANSAS

SCHAEFER JOHNSON COX FREY & ASSOCIATES PA
ARCHITECTURE ENGINEERING PLANNING & INTERIOR DESIGN
155 NORTH MARKET SUITE 400 WICHITA, KANSAS 67202-2187
(316) 264-8291 FAX (316) 264-8925

KANSAS

HEARTSPRING
New Campus for HEARTSPRING WICHITA

REVISION DATE
PROJECT NO. 2580.20
DATE 1 MARCH 1996
C0.1

FINAL

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

DWG: M:\2580.00\SHARED\DWG\2580C0-1
DWGSCALE: 1" = 80'

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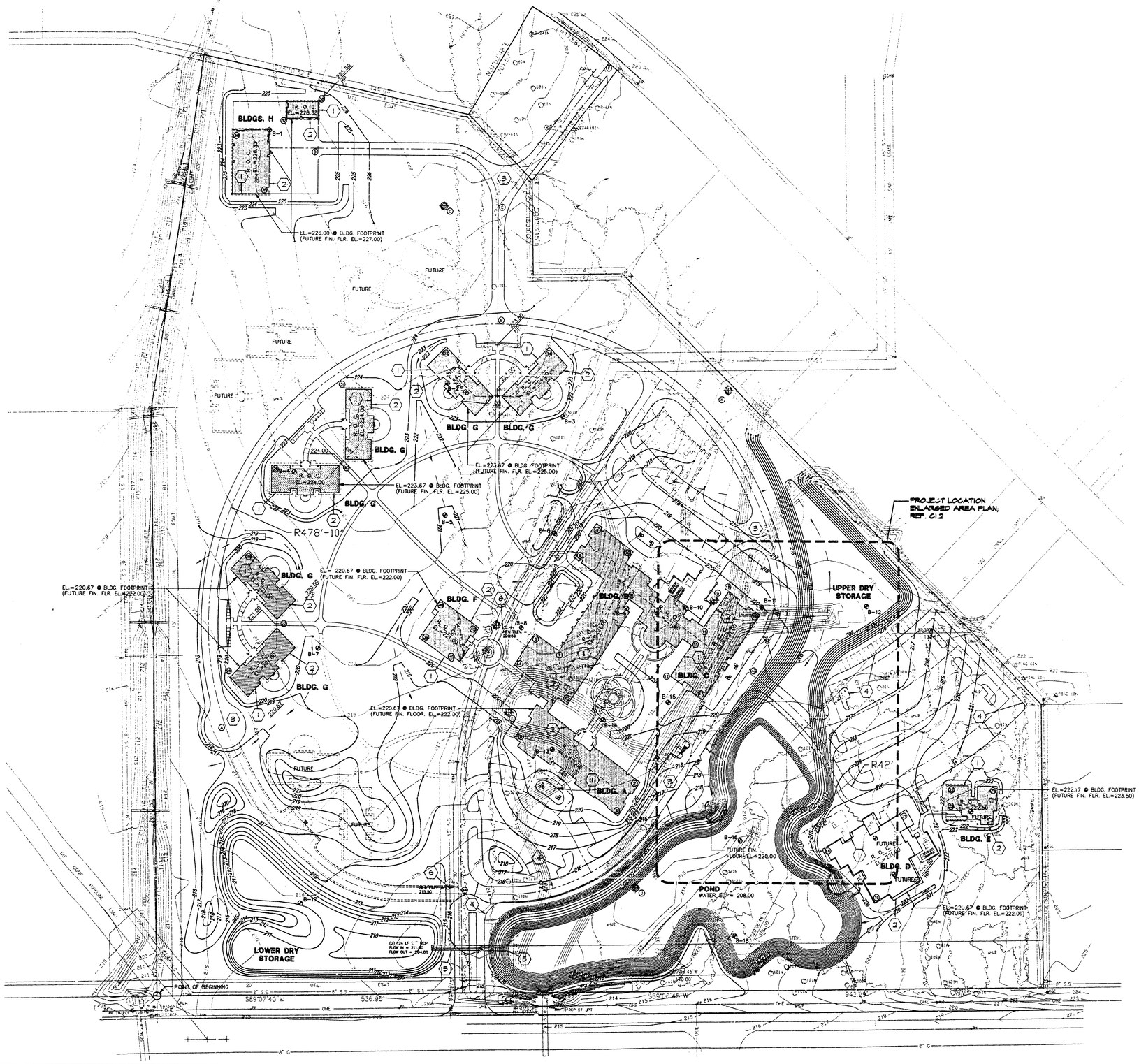

GENERAL NOTES

SHEET C1.1

A. REFER TO SITE SURVEY, SHEET C0.1 FOR ALL UTILITY DESCRIPTIONS, NOTES AND LEGAL DESCRIPTION PERTAINING TO SITE SURVEY.
B. THIS CONTRACT DOES NOT INCLUDE ANY CONCRETE FOOTINGS, BUILDINGS, CONCRETE CURBS OR ASPHALT PAVING. REFERENCES TO THESE ITEMS ARE FOR INFORMATION ONLY.
C. 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.
D. 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.
E. REMOVE 4" OF TOPSOIL IN ALL AREAS TO BE DISTURBED AND STOCKPILE. COORDINATE LOCATION(S) WITH ARCHITECT. DO NOT USE STOCKPILE UNTIL END OF OF THE PROJECT.
F. REFER TO C1.0 FOR TREE REMOVAL PLAN.
G. MINIMUM POND ELEVATION 202.00, MAY BE UTILIZED AS REQUIRED FOR ADDITIONAL BORROW AREA.
H. CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION. CALL "KANSAS ONE CALL" (687-2470) 48 HOURS IN ADVANCE.
I. ALL DISTURBED AREAS ARE TO BE SEEDED W/ANNUAL RYEGRASS.
J. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
K. 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.
L. ELEVATION GIVEN AT BLDG. FOOTPRINT REPRESENTS TOP OF 6" COVER ZONE OF SLIGHTLY SWELL SUSCEPTIBLE MATERIAL AS PER GEOTECHNICAL ENGINEERING REPORT.

KEYED NOTES ⬡

SHEET C1.1

1. FUTURE HEARTSPRING BUILDING FOOTPRINT, (N.I.C.)
2. EXTENT OF STABILIZED BUILDING PAD MATERIAL (REF. SOILS REPORT & SPEC.)
3. FUTURE ASPHALT DRIVES & STREETS (N.I.L.)
4. FUTURE CONCRETE CURB & GUTTER (N.I.C.)
5. REINFORCED CONCRETE PIPE WITH END SECTIONS BY ROUGH GRADING CONTRACTOR
6. RAISE EXISTING MANHOLE RIM AS NOTED.
7. FUTURE REINF. BOX CULVERT & TRAFFICWAY, (N.I.C.)

CONSTRUCTION COORDINATES

①	765'-1", 291'-4"	⑧	559'-10", 949'-6"
②	802'-8", 344'-9"	⑨	845'-7", 1035'-3"
③	590'-8", 414'-3"	⑩	179'-5", 1276'-3"
④	489'-6", 529'-10"	⑪	117'-10", 1377'-11"
⑤	678'-10", 466'-10"	⑫	207'-10", 1396'-2"
⑥	625'-0", 580'-3"	⑬	259'-6", 1422'-10"
⑦	664'-2", 553'-4"	⑭	433'-0", 572'-0"
⑧	688'-9", 702'-4"	⑮	466'-11", 633'-4"
⑨	726'-4", 755'-9"	⑯	486'-6", 533'-10"
⑩	789'-7", 711'-2"	⑰	530'-2", 588'-3"
⑪	782'-9", 635'-11"	⑱	981'-2", 521'-3"
⑫	852'-0", 513'-11"	⑲	503'-8", 165'-7"
⑬	886'-6", 562'-10"		
⑭	906'-11", 591'-10"		
⑮	947'-3", 649'-1"		
⑯	1000'-8", 611'-3"	Ⓐ	109'-10", 429'-3", 35' R.
⑰	905'-5", 476'-3"	Ⓑ	559'-9", 1071'-10"
⑱	1105'-8", 240'-7"	Ⓒ	469'-9", 1248'-10", 90° R. ● CL
⑲	1196'-2", 155'-10"	Ⓓ	259'-6", 1348'-10"
⑳	1277'-2", 188'-9"	Ⓔ	559'-9", 1258'-10"
㉑	1247'-7", 304'-1"	Ⓕ	742'-9", 1486'-9"
㉒	1316'-8", 342'-5"	Ⓖ	923'-8", 635'-0", 112'-6" R. ● CL
㉓	1316'-8", 303'-1"	Ⓗ	559'-9", 593'-0", 478'10" R. ● CL
㉔	1392'-0", 281'-2"	Ⓘ	795'-6", 177'-7", 388'-0" R. ● CL
㉕	1398'-0", 342'-6"	Ⓙ	945'-2", 968'-5"
㉖	117'-6", 507'-4"	Ⓚ	580'-8", 454'-9"; 289'-1.78" R.
㉗	203'-4", 593'-1"		
㉘	117'-6", 678'-10"		
㉙	186'-5", 845'-2"		
㉚	307'-9", 845'-2"		
㉛	307'-9", 966'-6"		
㉜	474'-1", 1035'-3"		

LEGEND

SHEET C1.1

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

FOR INFORMATION ONLY

ROUGH GRADING SITE PLAN

SCALE: 1" = 60'

FINAL

CREATED: 10/06/95
PLOTTED: 02/20/96

DWG: M:\2580.00\SHARED\2580.20\2580C1-1
DWGSCALE: 1" = 60'

KENTON L. COX
LICENSED
1500
KANSAS
REGISTERED LAND SURVEYOR

SCHAEFER JOHNSON COX FREY & ASSOCIATES PA.
ARCHITECTURE ENGINEERING PLANNING & INTERIOR DESIGN
250 SOUTH HILLSIDE WICHITA, KANSAS 67211
(316) 684-0171 FAX (316) 684-8235

New Campus for
HEARTSPRING
WICHITA, KANSAS

HEARTSPRING

REVISION DATE

PROJECT NO. 2580.20
DATE 1 MARCH 1996
C1.1

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GENERAL NOTES

SHEET C1.2

A. REFER TO SITE SURVEY, SHEET C0.1 FOR ALL UTILITY DESCRIPTIONS, NOTES AND LEGAL DESCRIPTION
B. THIS CONTRACT DOES NOT INCLUDE ANY BUILDING, CONCRETE, CURB AND GUTTER, ASPHALT PAVING, REFERENCES TO THESE ITEMS ARE FOR INFORMATION ONLY.
C. ALL PROPOSED CONTOURS AND NEW SPOT ELEVATIONS REFER TO FINISHED GRADE UNLESS OTHERWISE NOTED. PROPOSED CONTOURS AND BOX CULVERT CONTRACTOR TO PROVIDE ALL TOPSOIL REQUIRED. ALLOW FOR 4" TOPSOIL TO BE ADDED AT A LATER DATE.
D. BUILDING CORNERS ARE LOCATED BY COORDINATE PROVIDED. REFER TO SHEET C1.1 FOR COORDINATE CORNER (0,0,0.0). NUMBERS ARE IN FEET WITH THE FIRST NUMBER BEING "X" DIRECTION AND THE SECOND BEING "Y" DIRECTION
E. CONTRACTOR TO VERIFY LOCATION OF UTILITIES FROM CONSTRUCTION PLANS AND CALL OKIE CALL (800-344-7233) 48 HOURS IN ADVANCE.
F. ALL DISTURBED AREAS ARE TO BE SEEDED W/ANNUAL RYEGRASS.
G. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
H. AREAS AND SLOPES TO BE SEEDED THAT HAVE BEEN DISTURBED FROM CONSTRUCTION OF CULVERT & GRADING, REPAIR EARTHEN LAKE LINER WITH NATIVE SOILS 12" COMPACTED MINIMUM. LINER TO BEGIN AT NORMAL POND AS NOTED ON PLAN. LINER TO BEGIN AT NORMAL POOL ELEVATION AND EXTEND DOWNWARD TO COVER ENTIRE POND SIDE AND BOTTOM.
J. ALL CONTOURS SHOWN SCREENED, REPRESENT WORK CHANGED FROM ORIGINAL CONSTRUCTION. ALL CONTOURS SHOWN SOLID REPRESENT WORK TO BE CONSTRUCTED UNDER THIS CULVERT PACKAGE.
BY THE BOX CULVERT CONTRACTOR.

CONSTRUCTION COORDINATES

Ⓒ 1067'-7.5", 526'-3"

LEGEND

SHEET C1.2

- EXISTING CONTOUR (BY ROUGH GRADING CONTRACTOR)
- 219 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

NORTH

ENLARGED AREA SITE PLAN

SITE GRADING & BOX CULVERT PLAN

SCALE: 1" = 20'-0"

REVISION DATE

PROJECT NO. 2580.20

DATE 1 MARCH, 1996

C1.2

HEARTSPRING
New Campus for HEARTSPRING
WICHITA
KANSAS

SCHAEFER JOHNSON COX FREY & ASSOCIATES PA
ARCHITECTURE ENGINEERING PLANNING & INTERIOR DESIGN
220 SOUTH HILLSIDE WICHITA, KANSAS 67211-5197
(316) 684-0171 FAX (316) 684-8336

KENTON L. COX REGISTERED 1920 PROFESSIONAL ENGINEER STATE OF KANSAS

UPPER DRY STORAGE

B-12

B-11

B-15

BOX CULVERT - REF STRUCT. SHEET SC-1

36'-4"TYP

NORTH

6"

6"

218

220

217

219

4'-0" TYP

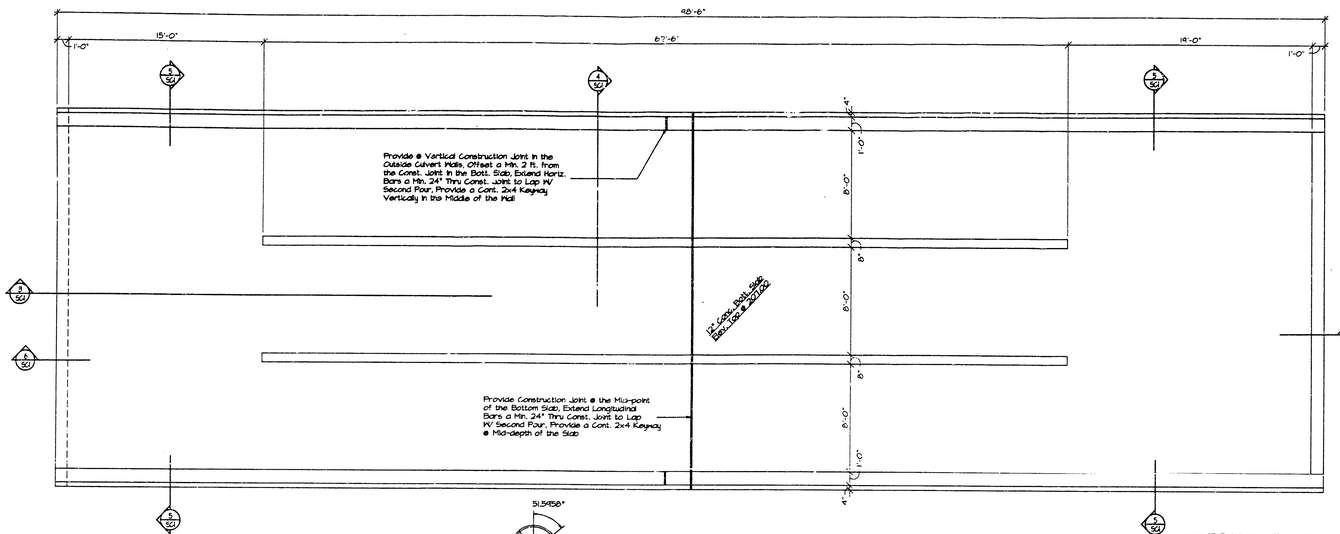
EXTENT OF LIGHT STONE RIP-RAP, REF SPEC TO BE PLACED ON INSIDE POND EMBANKMENT SLOPE BEHIND LINER BY FLOOR-GRADING CONTRACTOR

FUTURE

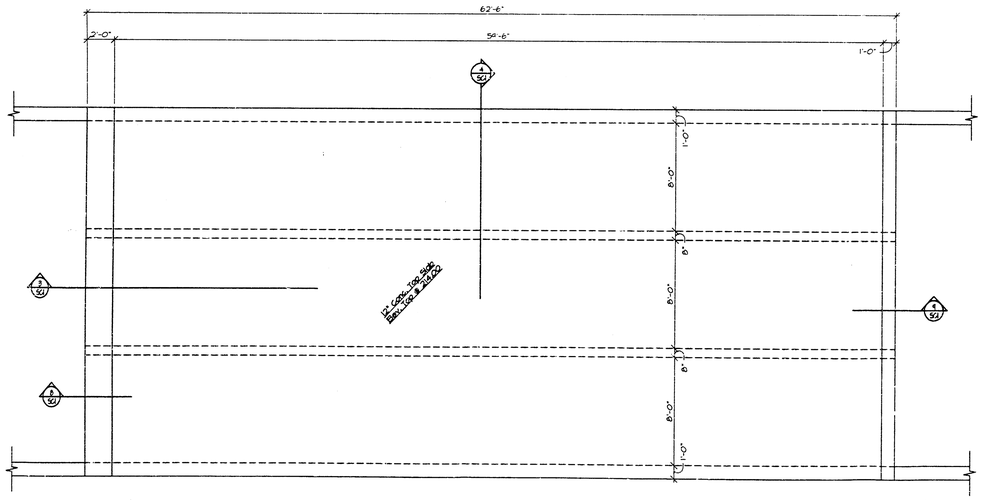
POND
B-16 WATER ELEV. = 208.00

DWG: M:\2580.00\SHARED\2580.20\2580C1-2 CREATED: 02/19/96
DWGSCALE: 1" = 20' PLOTTED: 02/20/96

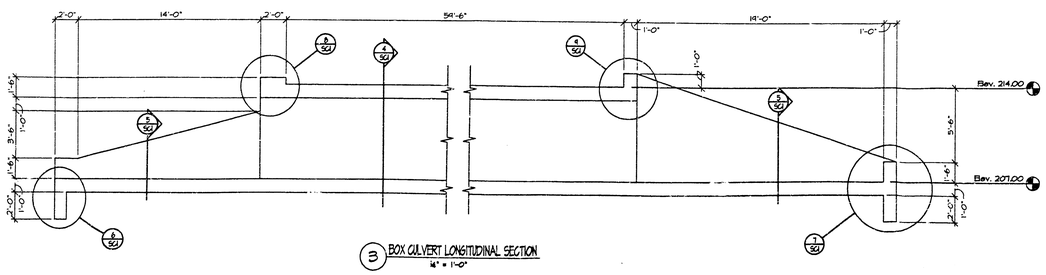
FINAL



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



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



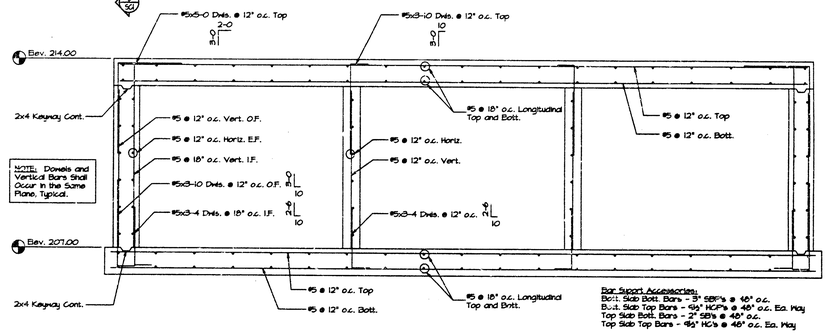
3 BOX CULVERT LONGITUDINAL SECTION
1/4" = 1'-0"

GENERAL STRUCTURAL NOTES
Structure is designed for H20-44 and HS20-44 loading per A-3710 specifications.
General contractor shall design, provide, and maintain forming, shoring, bracing and other methods as required to support the construction loads and sustain the structure during the construction process.
All formwork and shoring constructed to support the top slab shall remain in place for a minimum of 14 days after the slab has been placed and until the concrete has attained the specified compressive strength.
No earthwork, backfill, or fill placement adjacent to the structure or on top of the structure shall take place until all elements of the structure have 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 mix design shall contain a minimum of 50% coarse aggregates by gradation 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 conformance with the current "ACI Manual of Concrete Practice".
No admixture shall be placed in concrete.
Chamfer all exposed edges of concrete ¾".

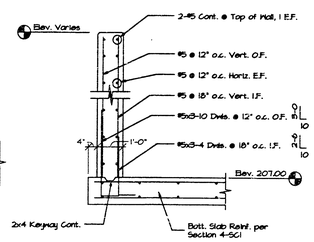
REINFORCING STEEL
All reinforcing shall meet ASTM A615-60,000, including supplementary requirements S1.
Reinforcing shall be continuous and lapped a minimum of 24" or 30 bar diameters whichever is greater, unless otherwise noted.
Locations of lap splices shall only occur at locations shown and approved on the reinforcing steel shop drawings.
Reinforcing 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 in. except for the bottom slab bars which should 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" slab bolster with continuous bottom plate at 4'-0" maximum centers for positioning all bottom slab bottom bars.
Mark each bundle of reinforcing with weatherproof t...

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.
Hat vertical bars - 2 in.

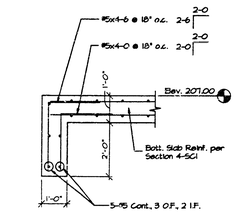


Bar Support Accessories:
Bott. Slab Bott. Bars - 3" SBPs @ 48" o.c.
Bott. Slab Top Bars - 4½" HCPs @ 48" o.c. Ea. Way
Top Slab Bott. Bars - 2" SBPs @ 48" o.c.
Top Slab Top Bars - 4½" HCPs @ 48" o.c. Ea. Way

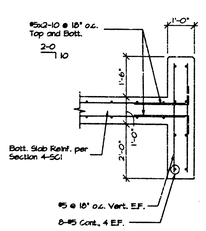
4 BOX CULVERT CROSS SECTION
½" = 1'-0"



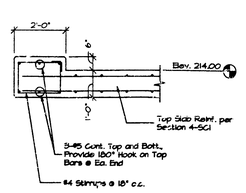
5 SECTION
½" = 1'-0"



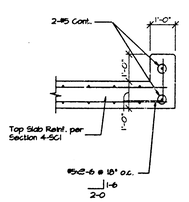
6 SECTION
½" = 1'-0"



7 SECTION
½" = 1'-0"



8 SECTION
½" = 1'-0"



9 SECTION
½" = 1'-0"

02/23/96 [MAM]
1:96-0066 [1/4]

Dudley Williams & Associates, P.A.
Structural Engineers
230 Laura Wichita, Kansas 67211

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SCHAEFER JOHNSON COX FREY & ASSOCIATES PA
ARCHITECTURE ENGINEERING PLANNING & INTERIOR DESIGN
220 SOUTH HILLROAD
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316 684-0171
FAX (316 684-0828

SJE

HEARTSPRING
New Campus for HEARTSPRING
WICHITA
KANSAS

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SC1