

# FOX RIDGE ADDITION

AN ADDITION TO THE CITY OF WICHITA  
SEDGWICK COUNTY, KANSAS

PROJECT NO. 472-83814

NEIL D. CABLE, P.E. - CITY ENGINEER

OCA 765812

WESTLAKES PARKWAY: FROM 80 FEET WEST OF THE WEST LINE OF LOT 33,  
BLOCK 5 TO THE WEST LINE OF LOT 146, BLOCK 1.

Center, Sec. 32,  
T26S, R1W, 6th P.M.  
Fnd. 1/2" Bar w/  
Baughman id cap

BENEFIT DISTRICT  
BOUNDARY

## GENERAL NOTES

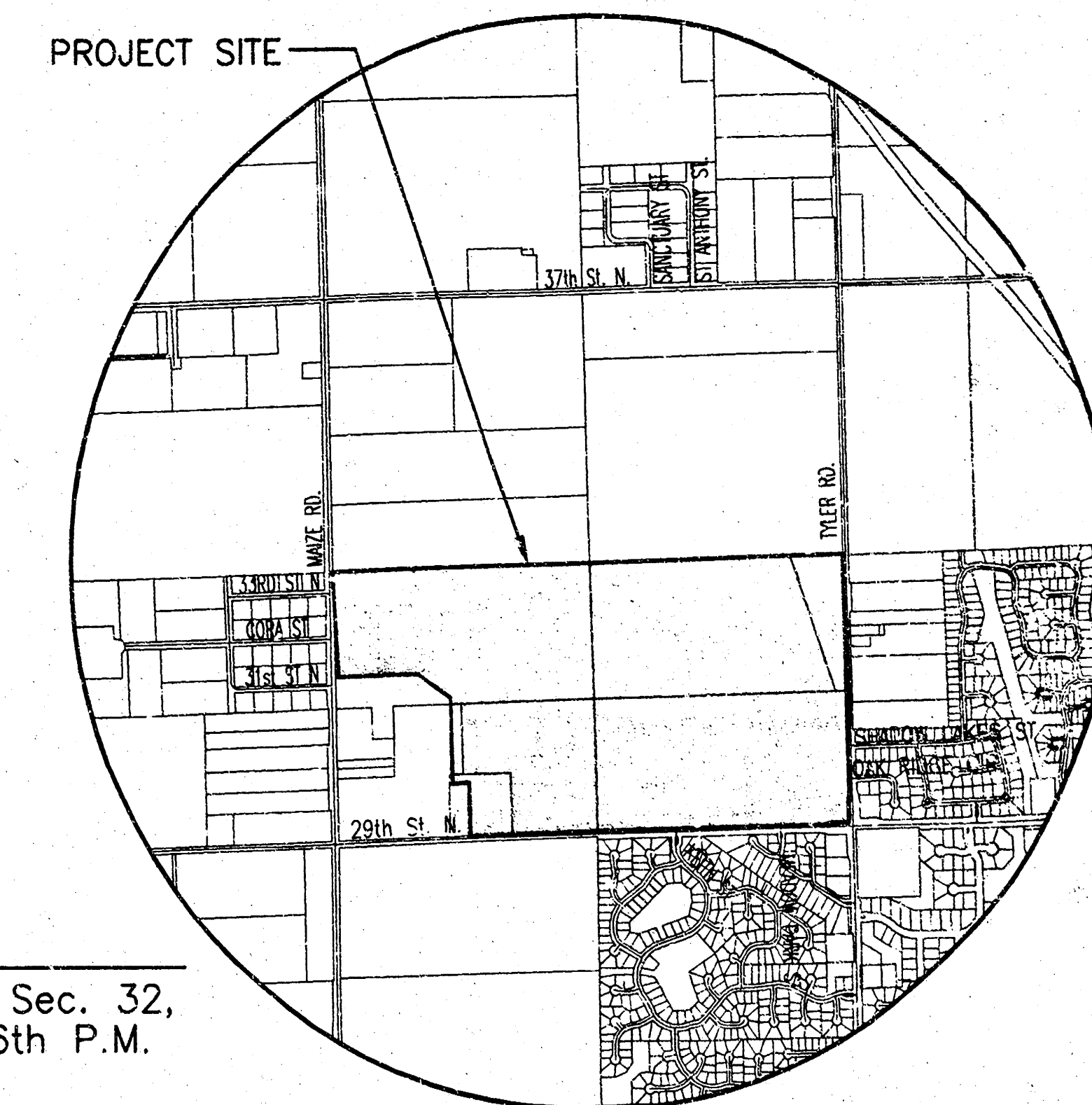
- UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA CONCRETE PAVEMENT AND ASPHALTIC CONCRETE PAVEMENT SPECIFICATIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES 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:  
SBC (TELEPHONE) 800-870-8390  
COX COMMUNICATIONS (CABLE) 262-0661  
WESTAR (ELECTRIC) 363-3600  
KANSAS GAS SERVICE (GAS) 832-3101  
CITY OF WICHITA WATER & SEWER MAINT. 262-6000  
AQUILA (GAS) 946-0096
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLANS LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY BE ENCOUNTERED.
- REMOVE FROM THE REMOVAL OF ALL STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THE SITES SHALL BE APPROVED BY THE ENGINEER AS TO APPEARANCE AND SITE LOCATION. LOCATIONS THAT IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF THE EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ADJUTS AN EXISTING SURFACE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAW JOINT TO FACILITATE REMOVAL WITHIN THREE (3) FEET OF EXISTING JOINTS WILL NOT BE PERMITTED AND FOR SUCH INSTANCES THE LIMITS OF REMOVAL SHALL EXTEND TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE REMOVAL OF SURFACE OR PAVEMENT.
- CONTRACTOR SHALL SEED AND MULCH ALL DISBURBED AREAS WITH RYE GRASS AT A RATE OF 200 LBS. PER ACRE. GROUND SHALL BE PREPARED IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS.

### EARTHWORK SUMMARY

|                |          |
|----------------|----------|
| EXCAVATION     | 920 C.Y. |
| LOOSE FILL     | 530 C.Y. |
| COMPACTED FILL | 40 C.Y.  |



BENEFIT DISTRICT BOUNDARY



VICINITY MAP

E. 1/4 Corner, Sec. 32,  
T26S, R1W, 6th P.M.  
Fnd. 3/4" Pipe



SCALE: 1" = 200'

## INDEX TO DRAWINGS

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| 5         | WHEELCHAIR RAMP DETAILS     |
| 6         | SIGNING DETAILS             |
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| 9         | RCB PLAN & PROFILE          |
| 10-12     | RCB DETAILS                 |
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| 23-25     | FINAL PLAN                  |

## BENCHMARKS

- BM#1 Square cut top curb W. end of island at Shadow Lakes, East side of Tyler Rd. Elev. = 175.81
- BM#2 RR spike in W. face of South H-pole East of Tyler Rd., 3320 N. Tyler Rd. Elev. = 175.53
- BM#3 RR Spike in South face of South H-pole 3rd H-poles West of Tyler Rd. and 1/2 Mile N. of 29th St. N. Elev. = 169.24

E. 1/4 Corner, Sec. 32,  
T26S, R1W, 6th P.M.  
Fnd. 3/4" Pipe

AS-BUILT: AUGUST 2004



MKEC  
ENGINEERING CONSULTANTS  
411 N. WEST ROAD  
WICHITA, KS. 67206  
316-624-9600

FOX RIDGE ADDITION  
PROJECT NAME

TITLE SHEET  
SHEET TITLE

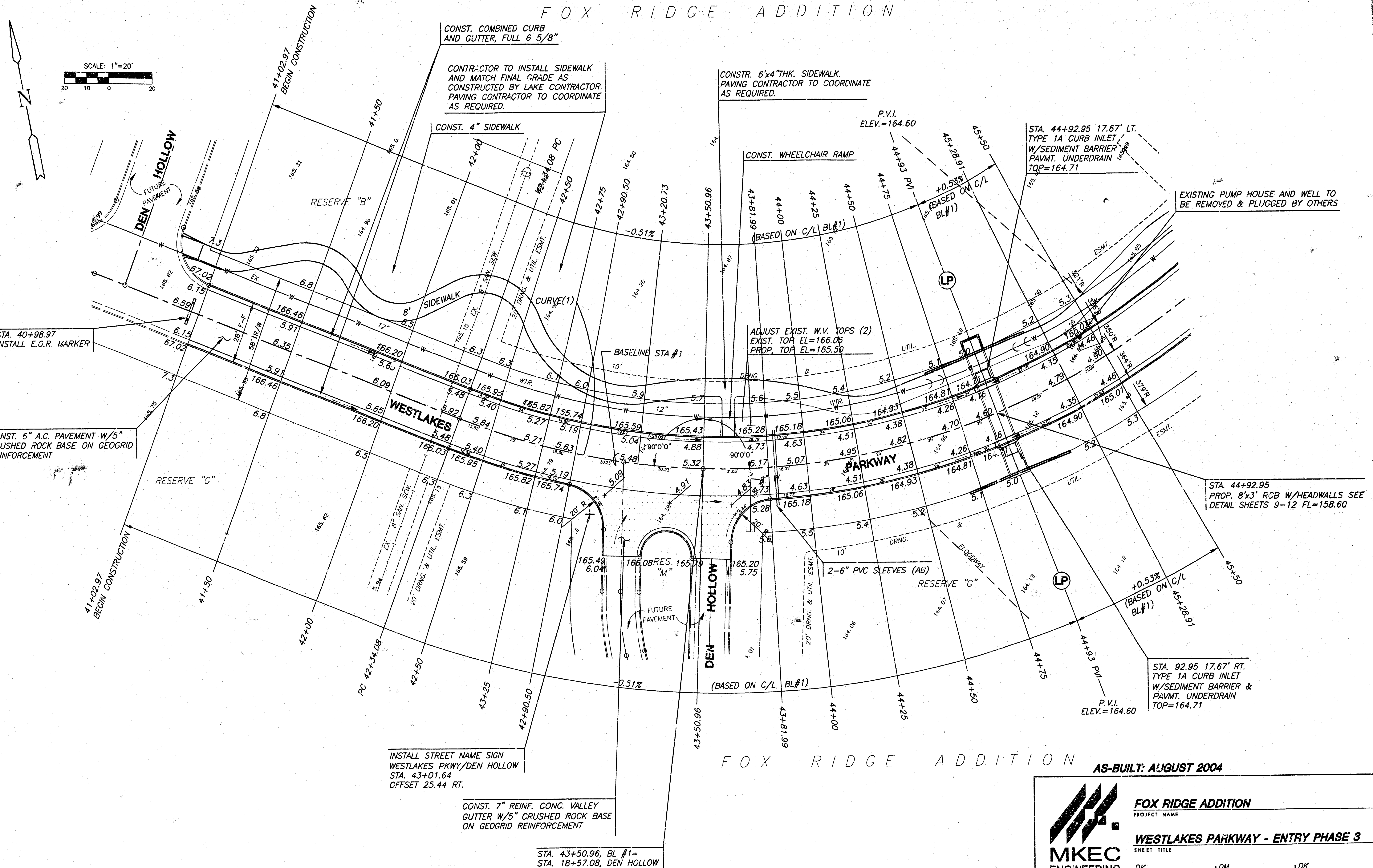
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| JULY 2003        | 99118ET         | 1 / 25            |
| DATE             | JOB NO.         | SHEET/OF          |

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# FOX RIDGE ADDITION

SCALE: 1"=20'



## FOX RIDGE ADDITION

AS-BUILT: AUGUST 2004



**MKEC**  
ENGINEERING  
CONSULTANTS  
411 N. WEBB ROAD  
WICHITA, KS. 67208  
316-684-9000

**FOX RIDGE ADDITION**

PROJECT NAME

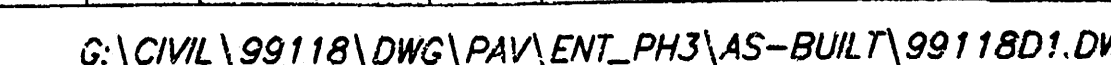
**WESTLAKES PARKWAY - ENTRY PHASE 3**

SHEET TITLE

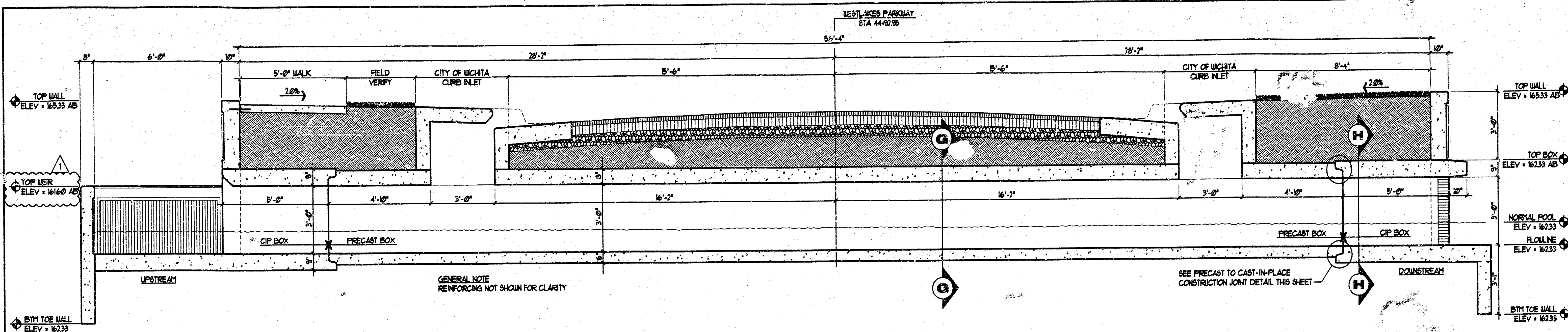
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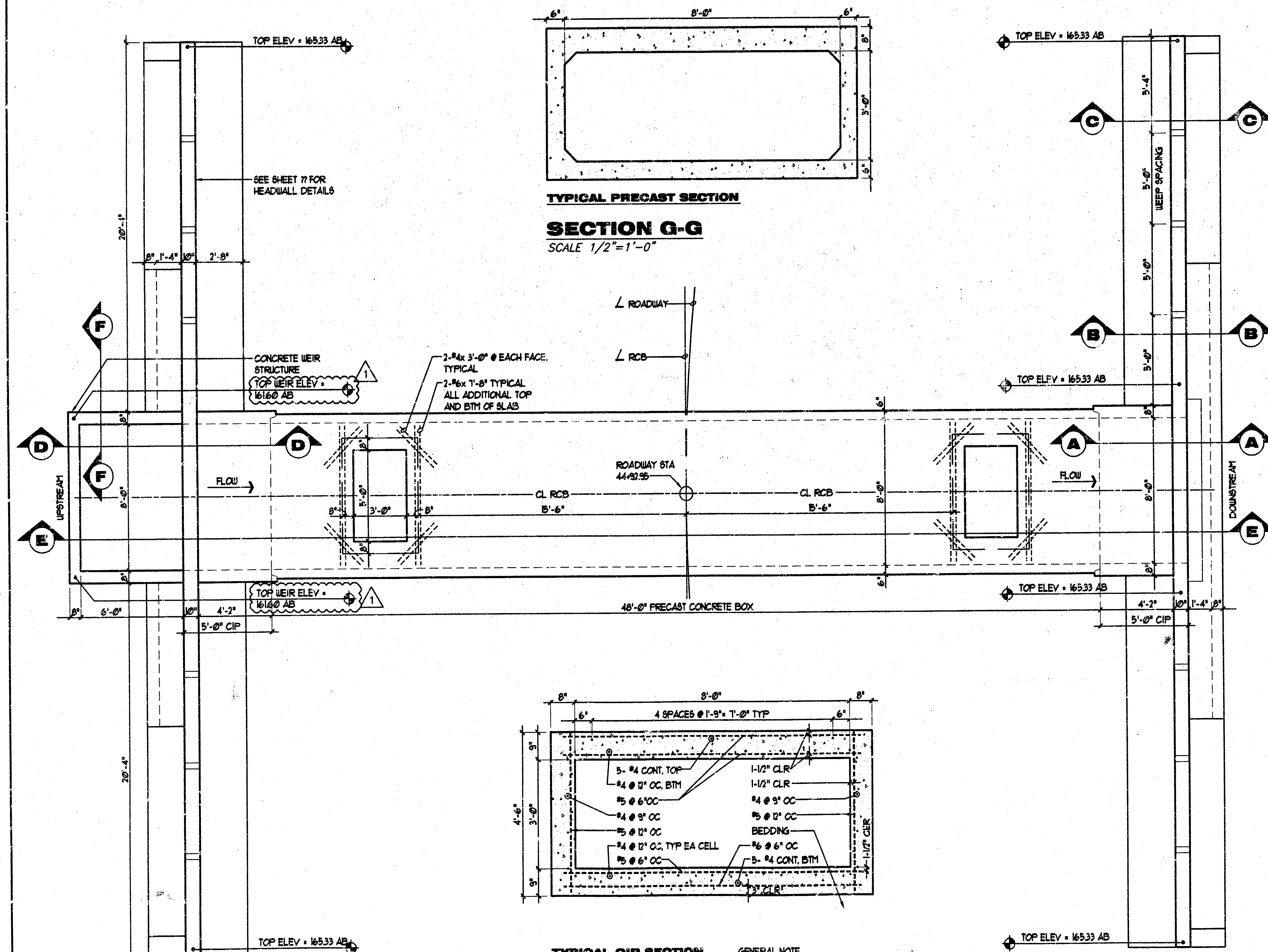




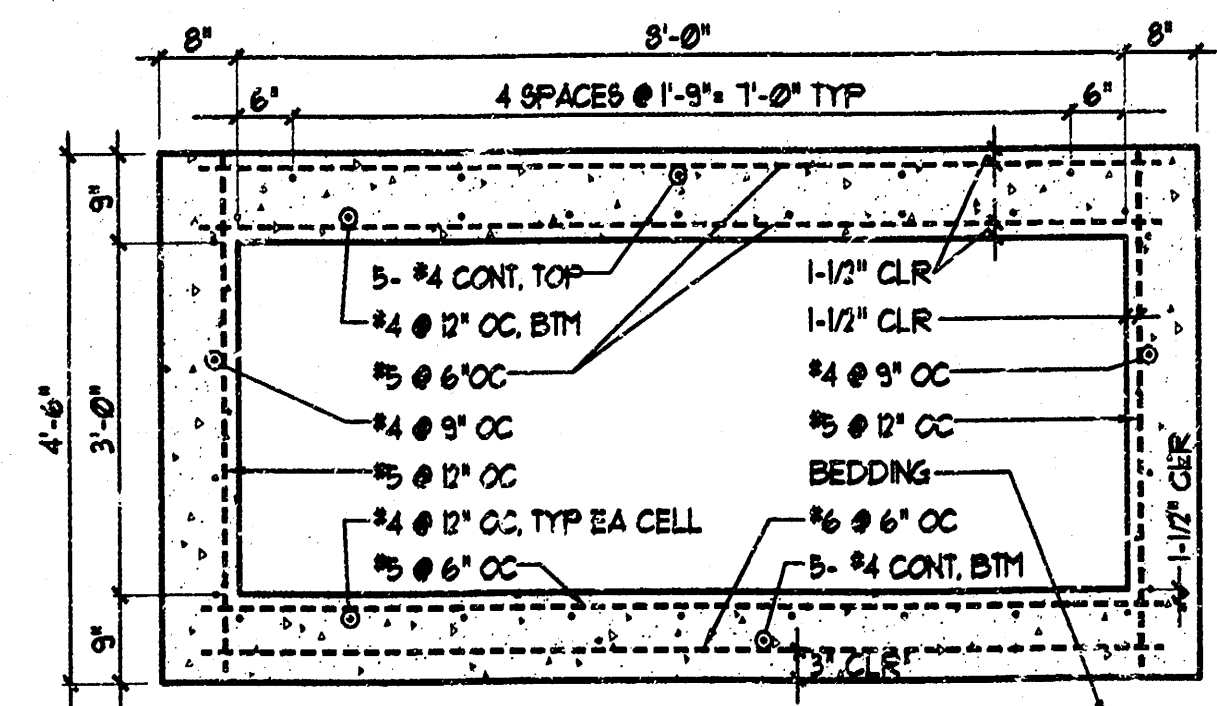




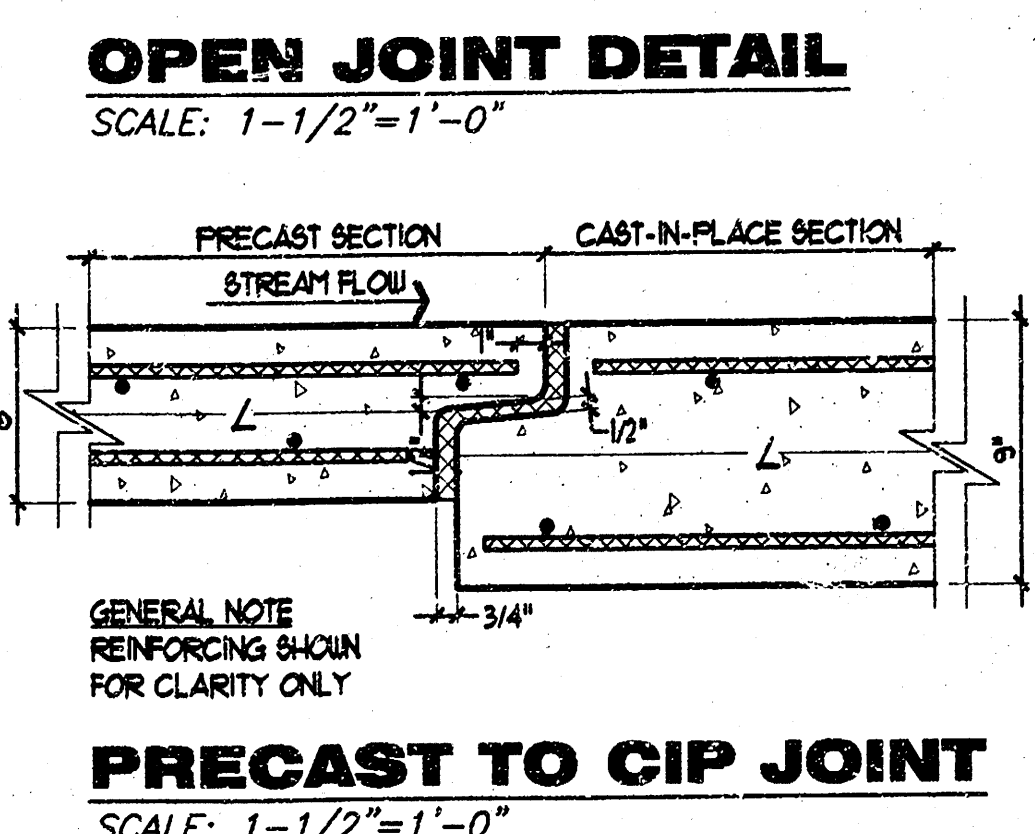
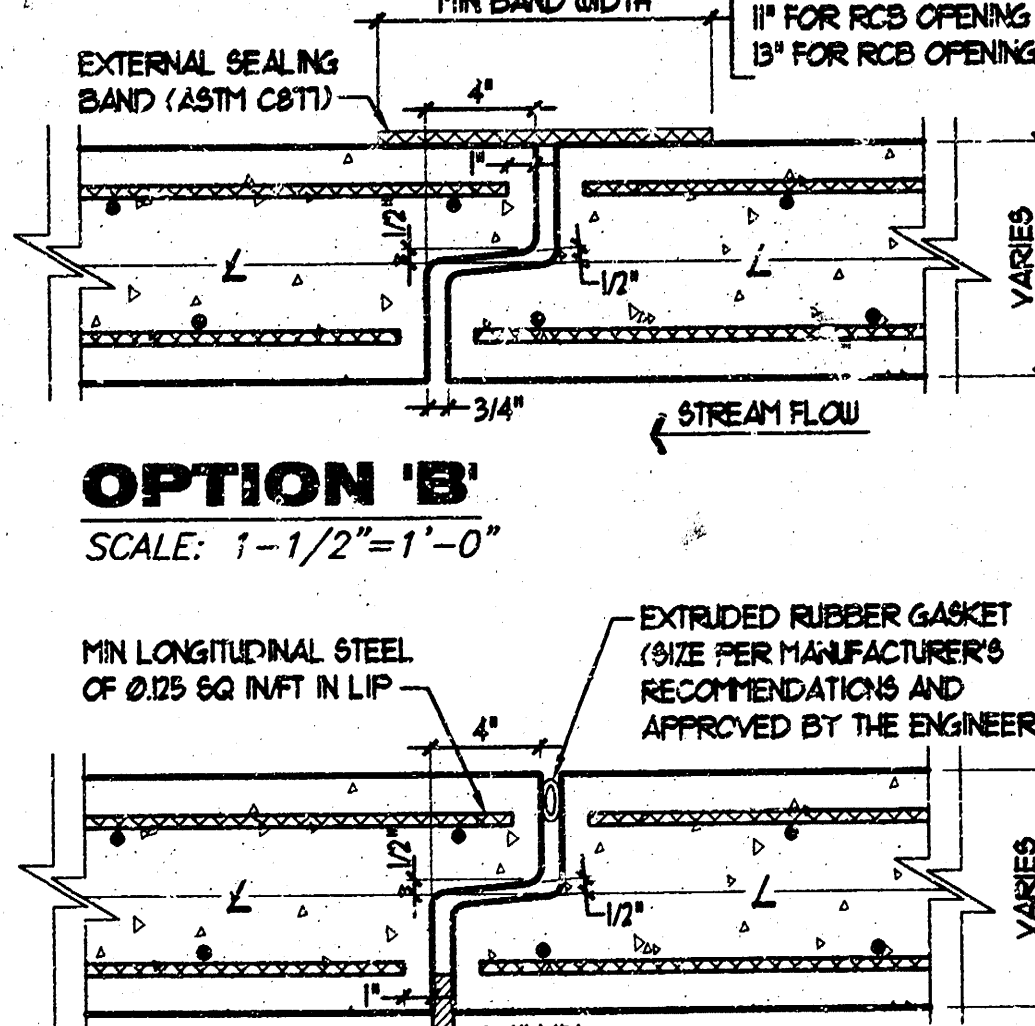
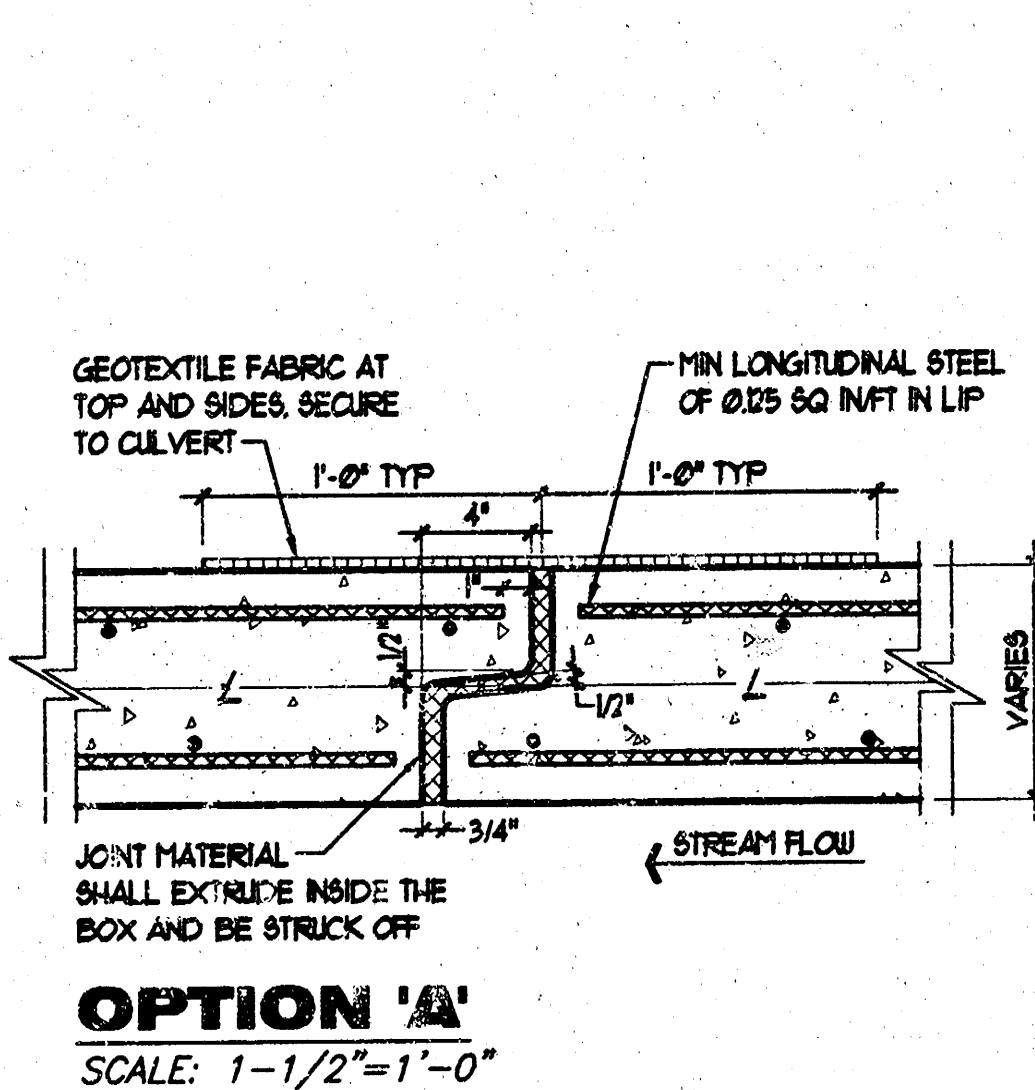
**SECTION E-E: HEADWALL / RCB**  
SCALE: 3/8"=1'-0"



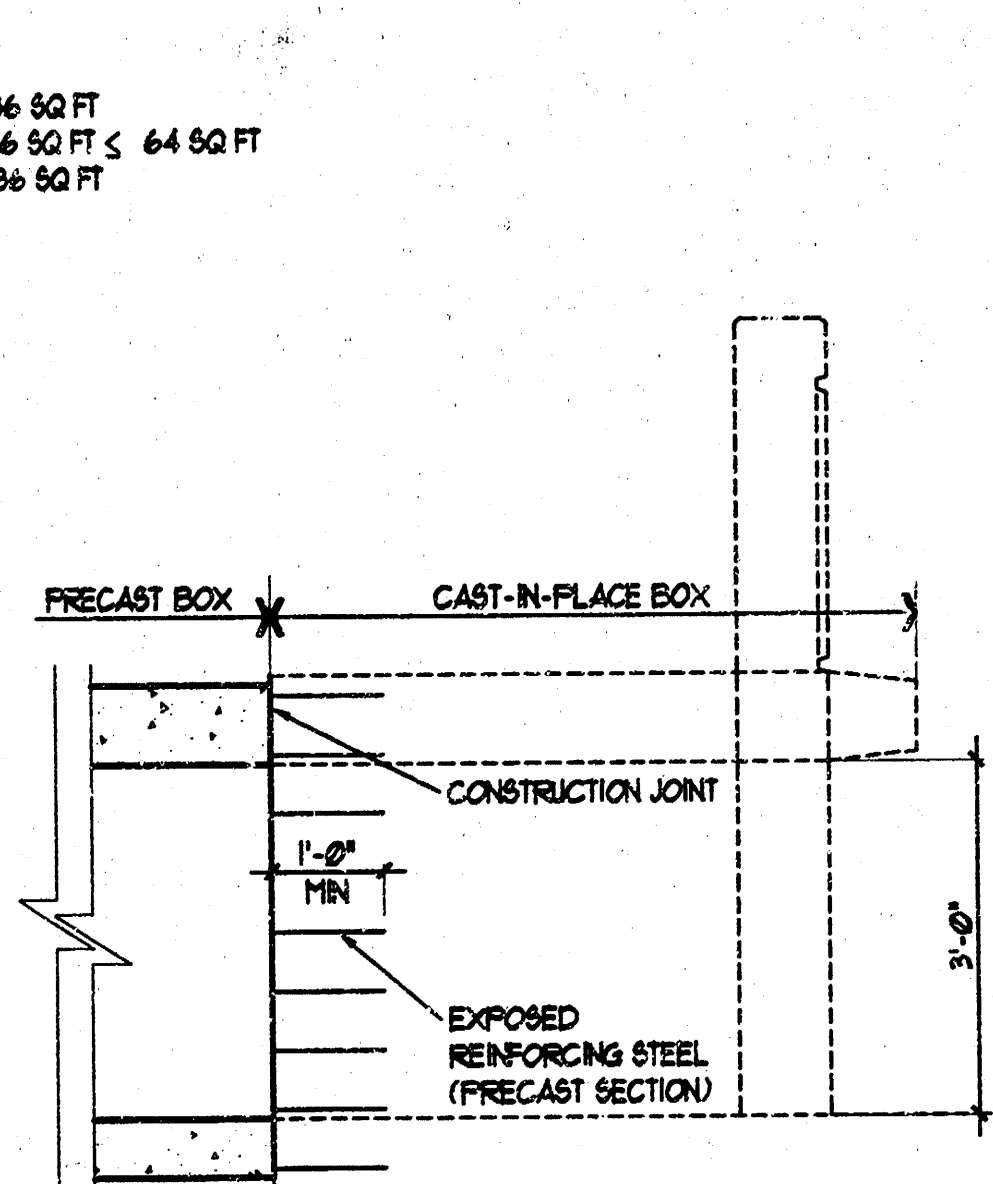
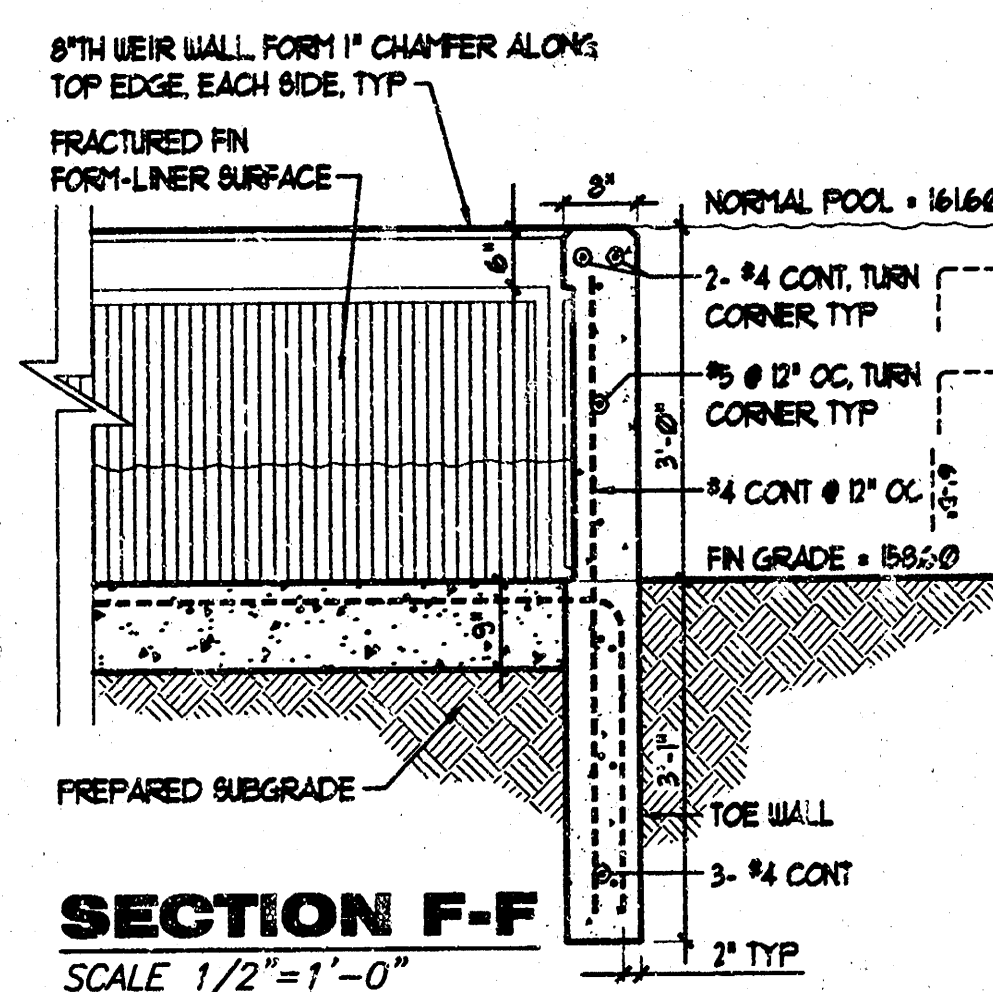
**PLAN: HEADWALL / RCB**  
SCALE: 1/4"=1'-0"



**SECTION H-H**  
SCALE: 1/2"=1'-0"



**PRECAST TO CIP JOINT**  
SCALE: 1-1/2"=1'-0"



**GENERAL NOTES**

PRECAST BOX CULVERTS  
IF PRECAST BOX CULVERTS ARE SPECIFIED, THEY SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN IN THE PLANS ACCORDING TO THE REQUIREMENTS SHOWN ON THIS SHEET. WHEN APPROVED BY THE ENGINEER, PRECAST BOX CULVERTS MAY BE CONSTRUCTED IN LIEU OF CAST-IN-PLACE BOX CULVERTS. UNLESS THE PRECAST OPTION IS CHOSEN BY THE CONTRACTOR, THE CAST-IN-PLACE QUANTITIES SHALL BE USED AS THE BASIS OF PAYMENT WHICH SHALL INCLUDE LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE INSTALLATION.

UNLESS OTHERWISE APPROVED BY THE ENGINEER, CAST-IN-PLACE COLLARS SHALL BE REQUIRED AT HORIZONTAL AND VERTICAL CHANGES IN BOX ALIGNMENT. CAST-IN-PLACE BOX SECTIONS AND UNGUALS ARE REQUIRED EXCEPT AS NOTED ON THIS SHEET. CAST-IN-PLACE SECTIONS MAY BE REQUIRED AT THE DIRECTION OF THE ENGINEER AT JOINTS OF DRAINAGE STRUCTURES.

CAST-IN-PLACE CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH THE KDOT SPECIFICATIONS AND KDOT'S GUIDELINES FOR STRUCTURAL DESIGN AND DETAIL OF REINFORCED CONCRETE BOX CULVERTS. CLASS AAA (AE) CONCRETE AND GRADE 60 REINFORCING STEEL SHALL BE USED FOR THE CAST-IN-PLACE CONSTRUCTION.

SPECIFICATIONS  
SINGLE-CELL PRECAST CONCRETE BOX CULVERTS SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS EXCEPT AS NOTED IN THE KDOT SPECIFICATIONS. MULTIPLE-CELL PRECAST BOXES SHALL BE DESIGNED IN ACCORDANCE WITH THE CRITERIA USED TO DEVELOP THE SINGLE-CELL PRECAST BOXES (SEE THE LATEST AASHTO SPECIFICATIONS).

| CONDITION           | MIN. FILL | MIN. FILL | AASHTO       | EQUIV. ASTM   |
|---------------------|-----------|-----------|--------------|---------------|
| 2 FT OR MORE FILL   | 1-FT      | 0-FT      | MSA, TABLE 2 | CT99, TABLE 2 |
| LESS THAN 2-FT FILL | 0-FT      | 0-FT      | MSA, TABLE 2 | CT99, TABLE 2 |

FABRICATIONS  
PRIOR TO FABRICATION, THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS SHALL DETAIL ALL PHASES OF CONSTRUCTION INCLUDING LAYOUT, JOINT DETAILS, LIFTING DEVICES, CASTING METHODS, CONSTRUCTION PLACEMENT AND DETAIL OF ANY CAST-IN-PLACE SECTIONS OR TRANSITIONS THAT MAY BE REQUIRED. COPIES OF OVERSIGHT AND OVERLOAD PERMITS, WHEN REQUIRED, SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.

PRECAST CONCRETE BOX CULVERT SHALL BE LAID WITH THE GROOVE END OF EACH SECTION UPSTREAM AND THE SECTIONS SHALL BE TIGHTLY JOINED. JOINT SHALL BE SEALED WITH AN APPROVED BITUMINOUS MASTIC MATERIAL AND GEOTEXTILE OR SEALING BOND OR AN EXTRUDED RUBBER GASKET, INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER. LIFTING HOLES SHALL BE PLUGGED WITH A PRECAST PLUG, SEALED AND COVERED WITH MASTIC OR MORTAR.

THE FOLLOWING INFORMATION SHALL BE LEGIBLY MARKED ON AN INSIDE FACE OF EACH BOX SECTION BY WATERPROOF PAINT OR OTHER APPROVED MEANS:

- DATE OF MANUFACTURE
- NAME OR TRADEMARK AND LOCATION OF THE MANUFACTURER
- WEIGHT OF BOX SECTION IN TONS
- PRICE MARK
- THE TOP OF THE BOX

CONSTRUCTION REQUIREMENTS  
FOUNDATION PREPARATION SHALL BE IN ACCORDANCE WITH KDOT SPECIFICATIONS EXCEPT THAT A MINIMUM 6 INCH THICKNESS OF CRUSHED STONE FOR BACKFILL OR 3 INCH SEAL COURSE SHALL BE PROVIDED. CHOICE OF BEDDING SHALL BE AT THE CONTRACTOR'S OPTION AND APPROVED BY THE ENGINEER.

LOADING  
MSA-44 AASHTO SPECIFICATIONS, 1996 EDITION  
UNIT EXTERIOR  
CLASS AAA (AE) CONCRETE: 10 + 4000 PSI  
REINFORCING STEEL: 60,000 PSI

CONCRETE  
CLASS AAA (AE) CONCRETE SHALL BE USED THROUGHOUT.  
BEVEL ALL EXPOSED EDGES WITH A 3/4" TRIANGULAR MOLDING.

REINFORCING  
ALL REINFORCING SHALL CONFORM TO ASTM A631, GRADE 60.  
ALL DIMENSIONS RELATIVE TO REINFORCING STEEL SHALL BE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED.

EXCAVATION  
EXCAVATION FOR CULVERT SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE SUBSIDIARY TO BOX CONSTRUCTION.

STRIKE LINE  
UNGUALS AND THAT PORTION OF THE RCB OUTSIDE THE STRIKE LINE SHALL BE CONSTRUCTED LEVEL. FOOTINGS FOR UNGUALS SHALL BE CONSTRUCTED WITH THE CULVERT FLOOR.

**FOX RIDGE ADDITION**  
**ENTRY PAVING - PHASE 1**  
PROJECT NAME

**RCB DETAILS**  
SHEET TITLE

**MKEC**  
ENGINEERING CONSULTANTS  
411 N. WEBB ROAD  
WICHITA, KS 67208  
316-684-9000

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| DESIGN BY: MKEC  | DRAWN BY: KLK | CHECKED BY: MKEC |
| DATE: JULY, 2003 | 9901011118    | 12 / 25          |
|                  | ISSUE NO.     | SHEET/OF         |