DRAINAGE IMPROVEMENTS
In Connection With
COWSKIN INTERCEPTOR SEWER
PROJECT NO.
468·76·245·81944·000·000·001

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, CITY ENGINEER

OCT. , 1989

Index Code 630558

N

SCALE: 1" = 400'



INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE PAGE
2	CHANNEL PLAN
3	CHANNEL PROFILE
4-6	CROSS-SECTIONS
P.E.C. 27 A	COWSKIN CREEK INTERCEPTOR SEWER 54" INTERCEPTOR PLAN & PROFILE

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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.
2. TREES TO BE REMOVED HAVE NOT BEEN INDIVIDUALLY MARKED. ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
3. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, 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 CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

NOTE: NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY EXCAVATION:

BELL TELEPHONE COMPANY	1-316-571-2115
CABLEVISION	262-4270 or 263-2061
KP&L GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
KANSAS ONE-CALL	1-800-344-7233
CITY OF WICHITA WATER DEPT.	268-4908
CITY OF WICHITA SEWER MAINT.	268-4071

BENCH MARKS

# 1 Chiseled "□" on concrete abutment at Southeast corner railroad bridge over Cowskin Creek, Northwest of lift station at North side of Harry Street
Elev. = 128.60

# 2 Railroad Spike in 10" Cottonwood Tree Approximately 20' West and 20' South of North 1/4 corner, Section 32
Elev. = 121.42

NOTE:
CONTRACTOR SHALL INSURE THAT ADEQUATE SUPPORT IS MAINTAINED FOR RAILWAY AND HIGHWAY ROADBEDS DURING INSTALLATION OF 54" PLRCP SANITARY SEWER.

COORDINATE SYSTEM AS USED BY M.K.E.C. DURING PRELIMINARY SURVEY

Point #	North Coordinate	East Coordinate	Comments
1	65077.3263	10491.7008	Northwest Corner, Sec. 32
2	65159.9998	13136.7134	North ¼ Corner, Sec. 32
3	65258.7162	15784.2393	Northeast Corner, Sec. 32

Section 32, T27S, R1W, 6th P.M.

JNEIL JEDNORUSKI LICENSED 7497 KANSAS PROFESSIONAL ENGINEER

DRAINAGE IMPROVEMENTS FOR COWSKIN CREEK PHASE II AT AT&SF

Design JNJ
Drawn by KSM
Checked by
Date Oct. ,1989
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
636-5566

Sheet 25 of 29

MKEC Proj.# 88-60-113-D

See Rip-Rap Protection Detail On Sheet # 3

End City Of Wichita Project

K.D.O.T. PROJECT

Scale: 1" = 20'

N

CONTOURS EVERY FOOT

POINT #	NORTH COORDINATE	EAST COORDINATE	COMMENTS
60	65155.3000	11869.0000	STA 74 + 00.1
65	65202.8000	11883.2000	STA 74 + 50.1
66	65251.9000	11839.4000	STA 75 + 01.1

COORDINATE SYSTEM AS USED BY MKEC DURING PRELIMINARY SURVEY

DRAINAGE IMPROVEMENTS FOR COWSKIN CREEK PHASE II @ AT & SF

PROJ. NO. 468-76-245-81888000-000-001

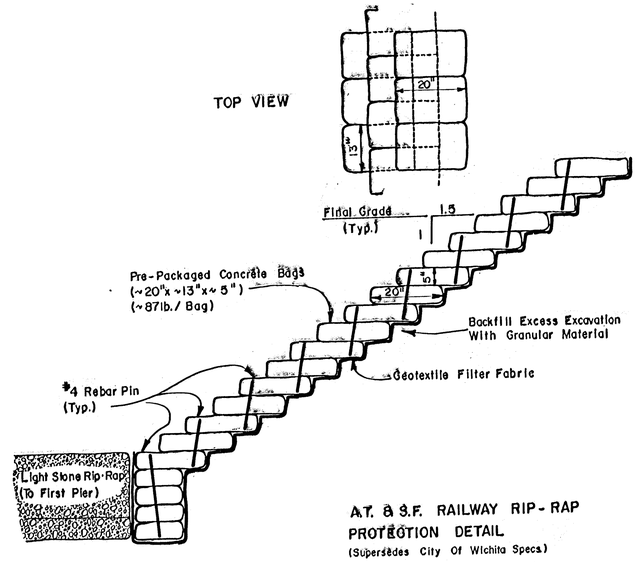
Design JNJ
Drawn by KSM
Checked by
Date Oct. 1989
Job no.

Sheet 26 of 29

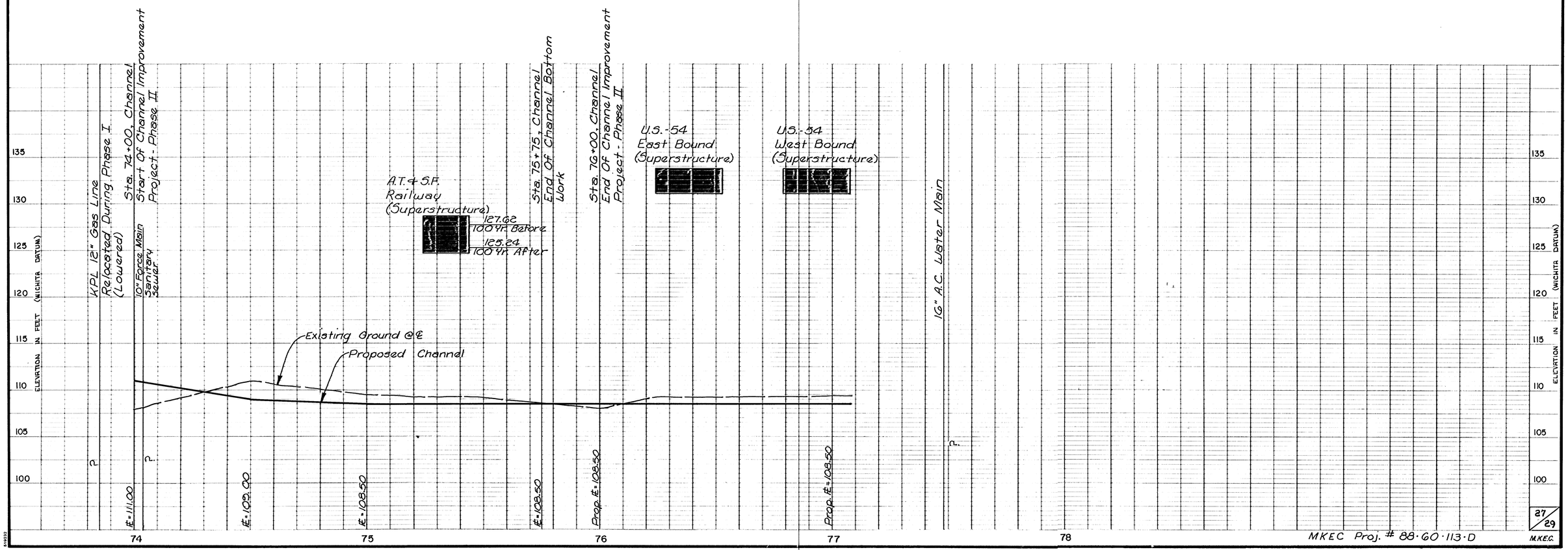
MID-KANSAS ENGINEERING CONSULTANTS PA.
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
636-5666

MKEC Proj. #88-60-113

DRAINAGE IMPROVEMENTS FOR
COWSKIN CREEK-PHASE II @ A.T.&S.F
PROJ. NO. 468-76-245-81888-000-000-001



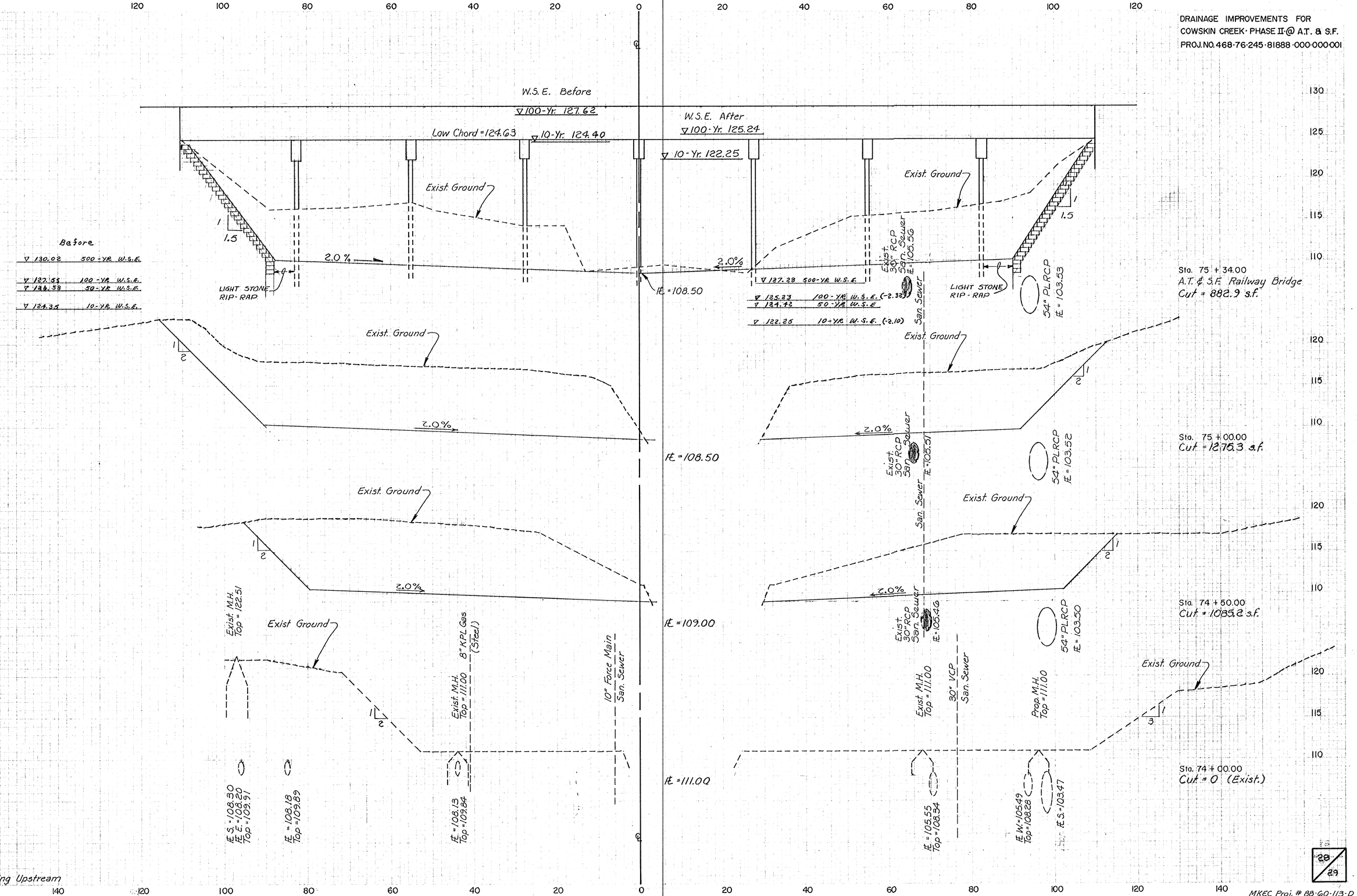
A.T. & S.F. RAILWAY RIP-RAP
PROTECTION DETAIL
(Supersedes City Of Wichita Specs.)



MKEC Proj. # 88-60-113-D

M.K.E.C.

DRAINAGE IMPROVEMENTS FOR
COWSKIN CREEK · PHASE II @ A.T. & S.F.
PROJ. NO. 468·76·245·81888·000·000·001



Sta. 75 + 34.00
A.T. & S.F. Railway Bridge
Cut = 882.9 s.f.

Sta. 75 + 00.00
Cut = 1276.3 s.f.

Sta. 74 + 50.00
Cut = 1085.2 s.f.

Sta. 74 + 00.00
Cut = 0 (Exist.)

28
29

MKEC Proj. # 88·60·113·D

DRAINAGE IMPROVEMENTS FOR
COWSKIN CREEK PHASE II @ A.T. & S.F.
PROJ. NO. 468-76-245-8188 8-000-000-001

Low Chord = 131.10

Before
▽ 128.38 100-Yr. W.S.E.
▽ 124.49 10-Yr. W.S.E.

W.S.E. After
▽ 100-Yr. 125.48
▽ 10-Yr. 122.30

Exist. Ground
2.0%
1.5
2:1
℄ = 108.50
82.5°
Exist. 30" RCP San. Sewer
℄ = 105.68
54" PLRCP
℄ = 103.59

Future
To Be Excavated As Part Of U.S.-54 Bridge Work

Sta. 76+38.5
℄ East Bound U.S. 54 (Kellogg)
Cut = 1118.5 s.f.
867.3 s.f.

+38.5 Cut = 1316 C.Y.

Exist. Ground
2.0%
2:1
1.5
Exist. 30" RCP San. Sewer
℄ = 105.64
54" PLRCP
℄ = 103.57

Sta. 76+00.00
Cut = 1029.7 s.f.
978.7 s.f.

+50 Cut = 906 C.Y.

Exist. Ground
2.0%
1
1.5
Exist. 30" RCP San. Sewer
℄ = 105.57
54" PLRCP
℄ = 103.54

Disregard Cut Section
At This Station.
Assume Zero Cut.

Sta. 75+50
Cut = 1060.5 s.f.

Looking Upstream

27
29
29