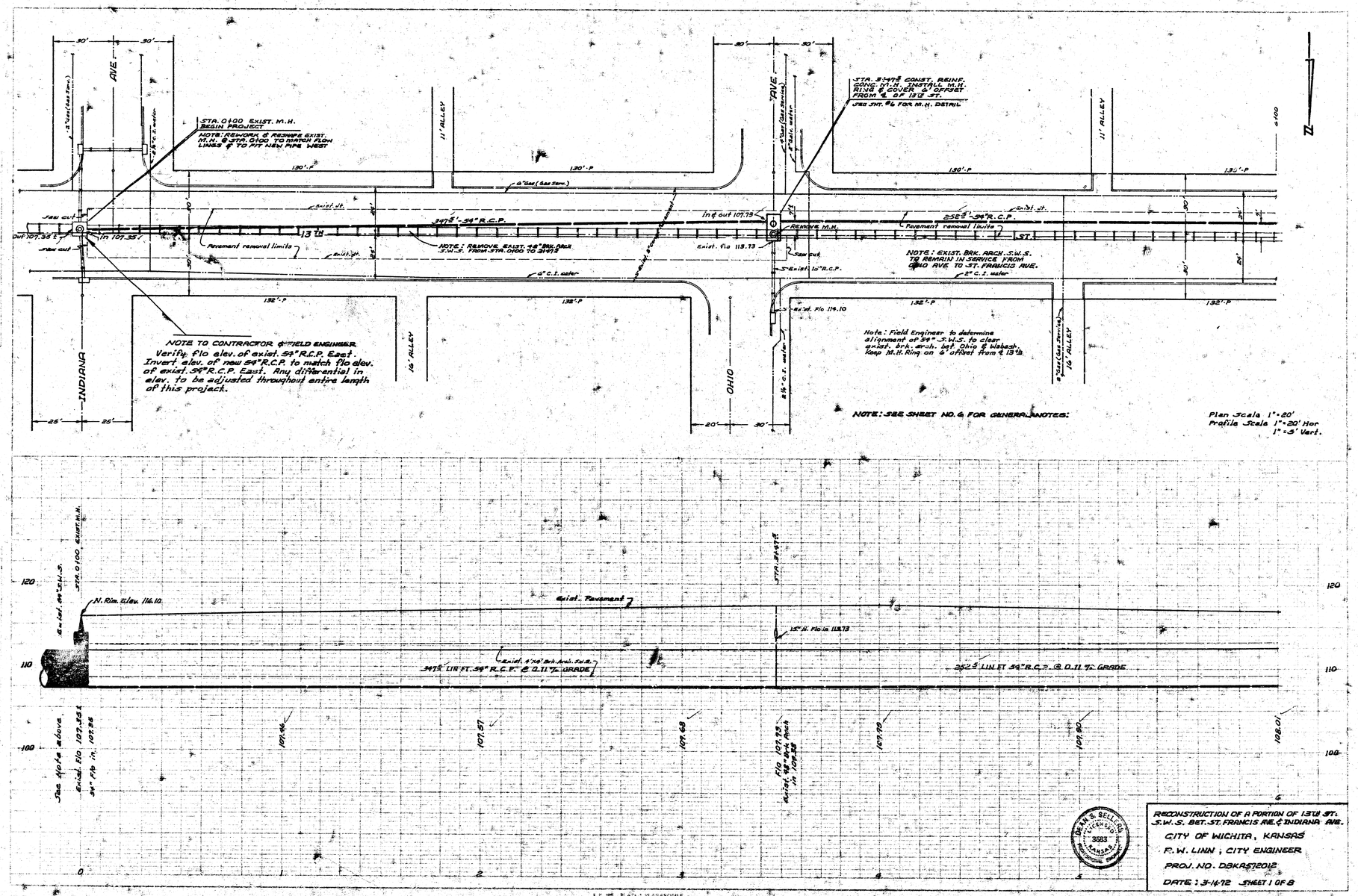


RECONSTRUCTION OF A PORTION OF 13TH ST. S.W.S. BET. ST. FRANCIS AVE. & INDIANA AVE.

CITY OF WICHITA, KANSAS

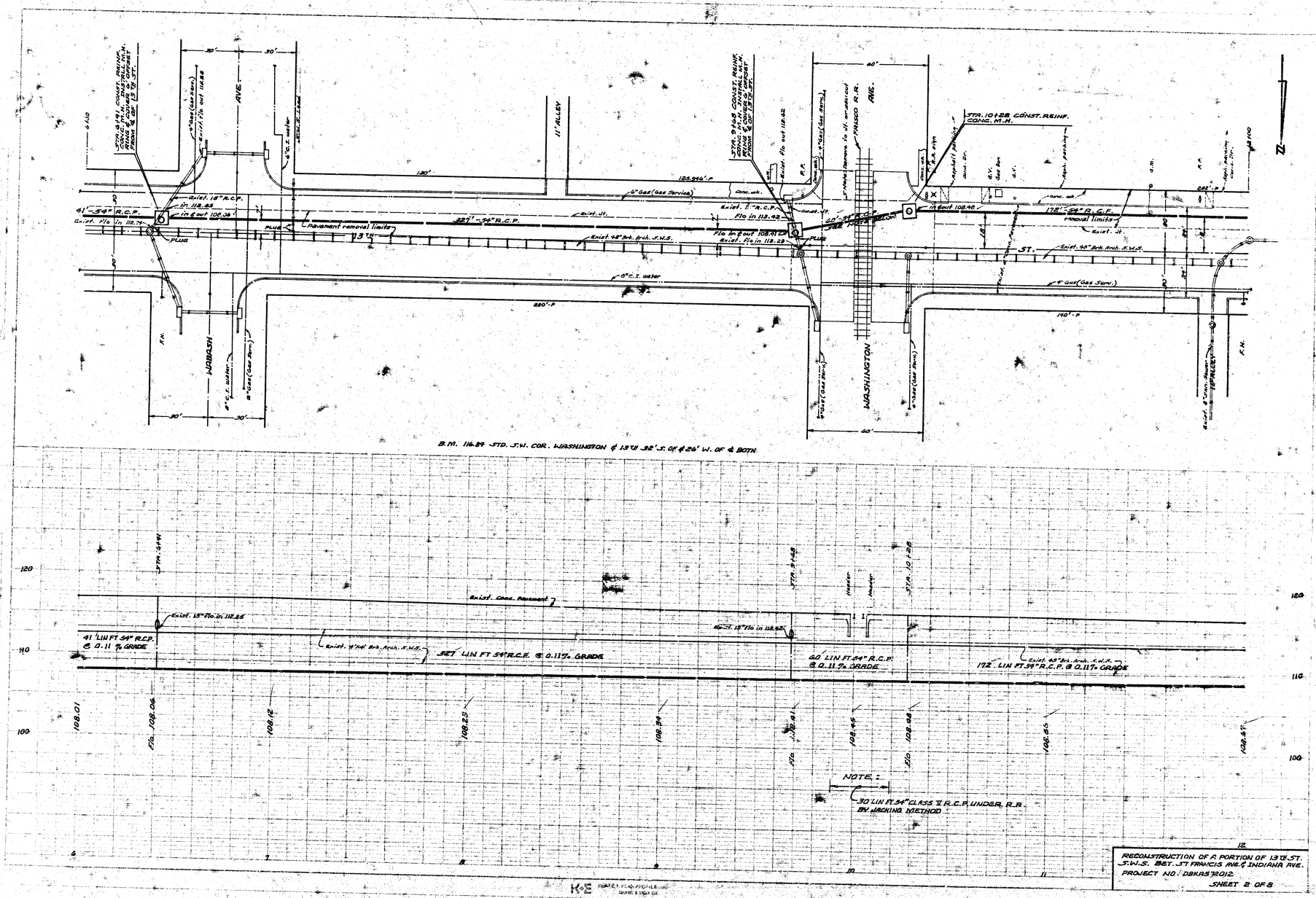
R.W. LINN ; CITY ENGINEER

PROJ. NO. DBKA572012

DATE : 3-14-72 SHEET 1 OF 8

DEAN S. SELLERS LICENSED 3683 KANSAS

Engr. - 75 sets
Water - 7 set


STA. 9+141, CONST. REINF. CONC. M.H. INSTALL M.H. AND 4-30" R.C.P. OUTLETS FROM 4-30" R.C.P. IN 13 TH ST.
STA. 9+68 CONST. REINF. CONC. M.H. INSTALL M.H. AND 4-30" R.C.P. OUTLETS FROM 4-30" R.C.P.
STA. 10+28 CONST. REINF. CONC. M.H.
AVE.
11' ALLEY
WABASH
WASHINGTON
ST.
FRISCO R.R.
Pavement removal limits
Existing 15" R.C.P.
Existing 18" R.C.P.
41' -54" R.C.P.
327' -54" R.C.P.
60'-54" R.C.P.
112'-54" R.C.P.
6" C.I. water
8" Gas (Gas Serv.)
6" Gas (Gas Service)
4" Gas (Gas Serv.)
Existing 48" Brk. Arch. S.W.S.
Existing 42" Brk. Arch. S.W.S.
Existing Conc. pavement
Existing Conc. walk
Existing Asphalt pavement
Asphalt pavement
Asphalt parking
Asphalt driveway
Concrete parking
Concrete driveway
Concrete walk
Existing Gas Box
Existing G.V.
Existing Water Valve
Existing Hydrant
Existing Manhole
Existing Telephone Manhole
Existing Telephone Pedestal
Existing Power Pole
Existing Guy Anchor
Existing Light Standard
Existing Sign
Existing Fence
Existing Tree
Existing Shrubbery
Existing Bldg.
Existing Steps
Existing Curb
Existing Curb & Gutter
Existing Retaining Wall
Existing Flower Bed
Existing Grass Plot
Existing Gravel
Existing Brick Pavement
Existing Concrete Pavement
Existing Concrete Base
Existing Brick Base
Existing Gravel Base
Existing Sidewalk
Existing Driveway
Existing Parking
Existing Entrance
Existing Exit
Existing Island
Existing Traffic Island
Existing Pedestrian Island
Existing Traffic Signal
Existing Traffic Light
Existing Traffic Sign
Existing Traffic Control
Existing Traffic Lane
Existing Traffic Direction
Existing Traffic Flow
Existing Traffic Volume
Existing Traffic Count
Existing Traffic Survey
Existing Traffic Study
Existing Traffic Report
Existing Traffic Plan
Existing Traffic Map
Existing Traffic Chart
Existing Traffic Graph
Existing Traffic Table
Existing Traffic Data
Existing Traffic Information
Existing Traffic Analysis
Existing Traffic Evaluation
Existing Traffic Recommendation
Existing Traffic Conclusion
Existing Traffic Summary
Existing Traffic Abstract
Existing Traffic Index
Existing Traffic Bibliography
Existing Traffic Appendix
Existing Traffic Glossary
Existing Traffic Notation
Existing Traffic Symbol
Existing Traffic Abbreviation
Existing Traffic Definition
Existing Traffic Term
Existing Traffic Concept
Existing Traffic Principle
Existing Traffic Theory
Existing Traffic Practice
Existing Traffic Standard
Existing Traffic Specification
Existing Traffic Requirement
Existing Traffic Regulation
Existing Traffic Ordinance
Existing Traffic Law
Existing Traffic Code
Existing Traffic Rule
Existing Traffic Procedure
Existing Traffic Method
Existing Traffic Technique
Existing Traffic Process
Existing Traffic Operation
Existing Traffic Maintenance
Existing Traffic Repair
Existing Traffic Replacement
Existing Traffic Removal
Existing Traffic Disposal
Existing Traffic Salvage
Existing Traffic Reuse
Existing Traffic Recycling
Existing Traffic Conservation
Existing Traffic Preservation
Existing Traffic Protection
Existing Traffic Safety
Existing Traffic Security
Existing Traffic Emergency
Existing Traffic Accident
Existing Traffic Incident
Existing Traffic Hazard
Existing Traffic Risk
Existing Traffic Danger
Existing Traffic Warning
Existing Traffic Caution
Existing Traffic Notice
Existing Traffic Alert
Existing Traffic Alarm
Existing Traffic Signal
Existing Traffic Light
Existing Traffic Sign
Existing Traffic Control
Existing Traffic Lane
Existing Traffic Direction
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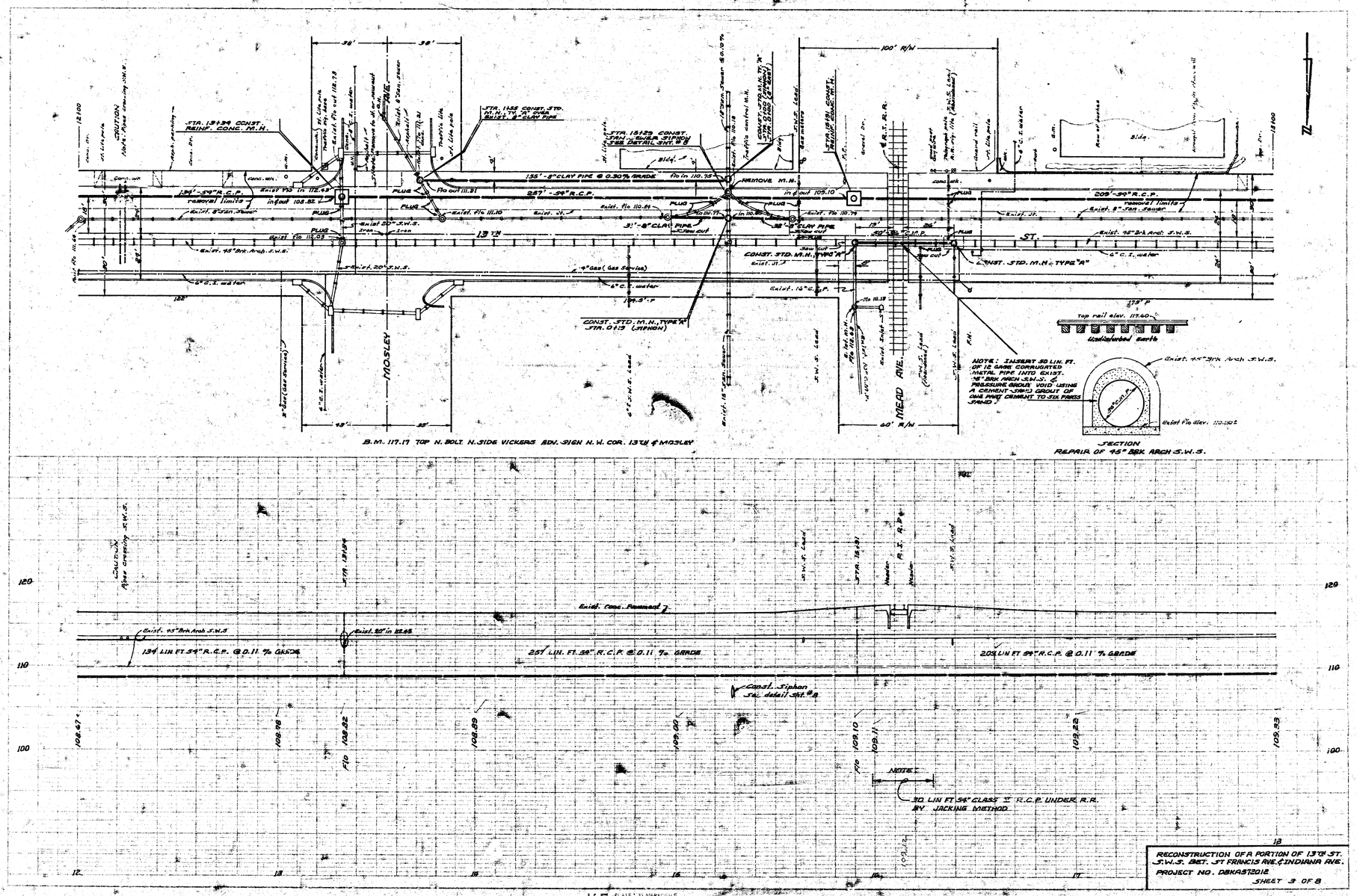
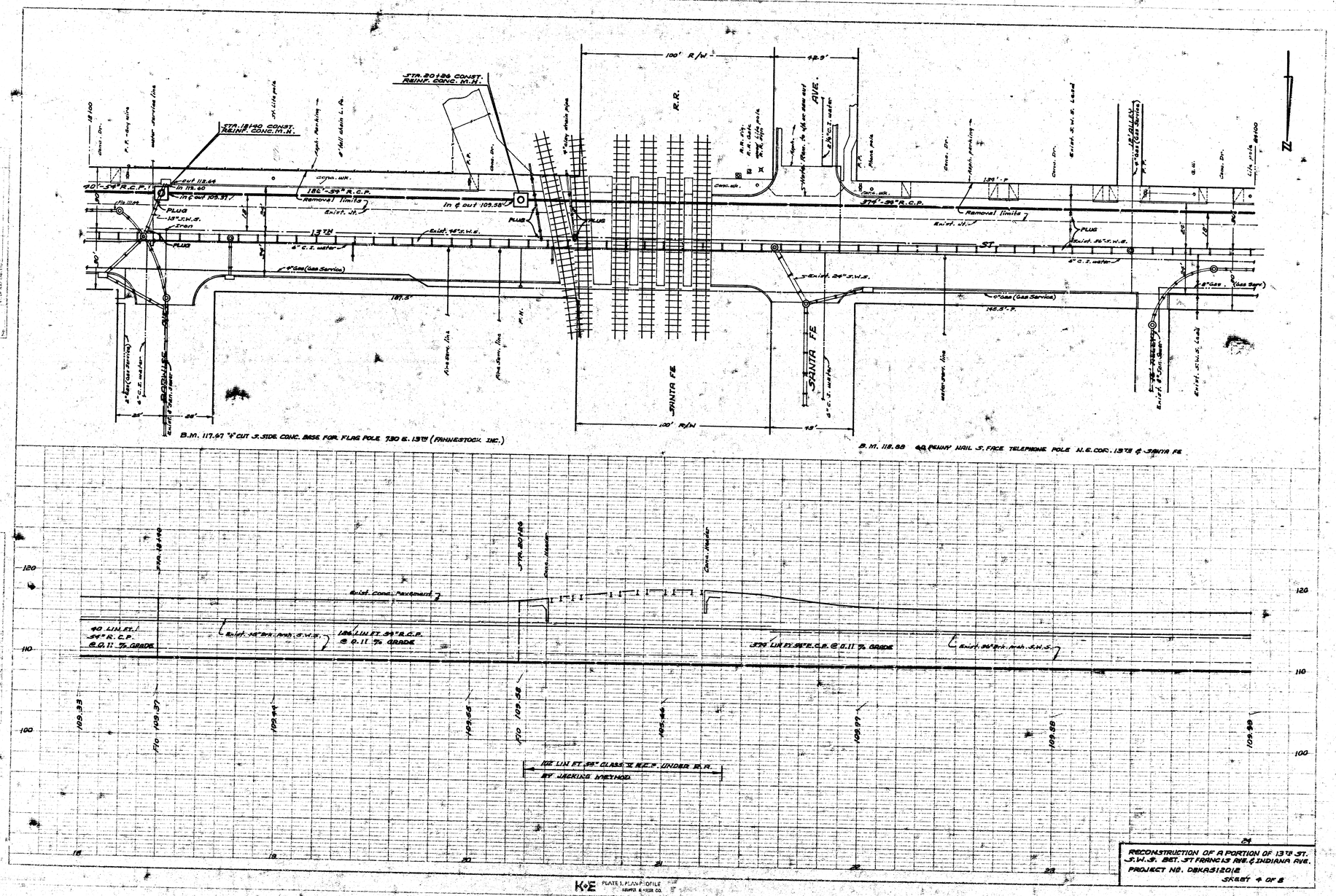
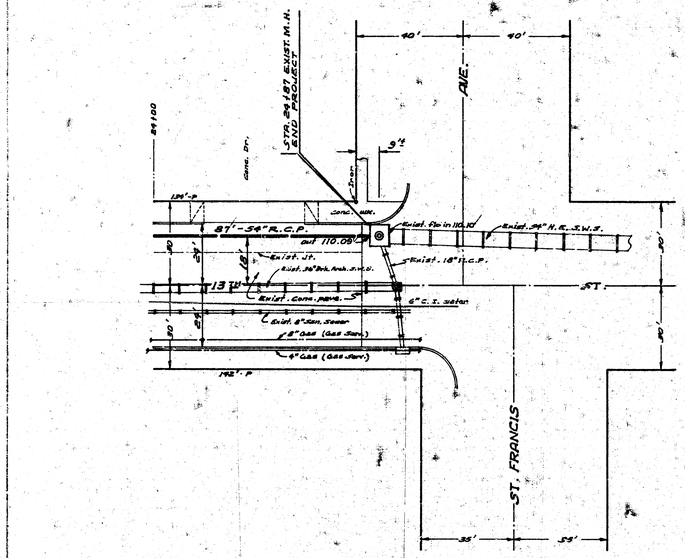
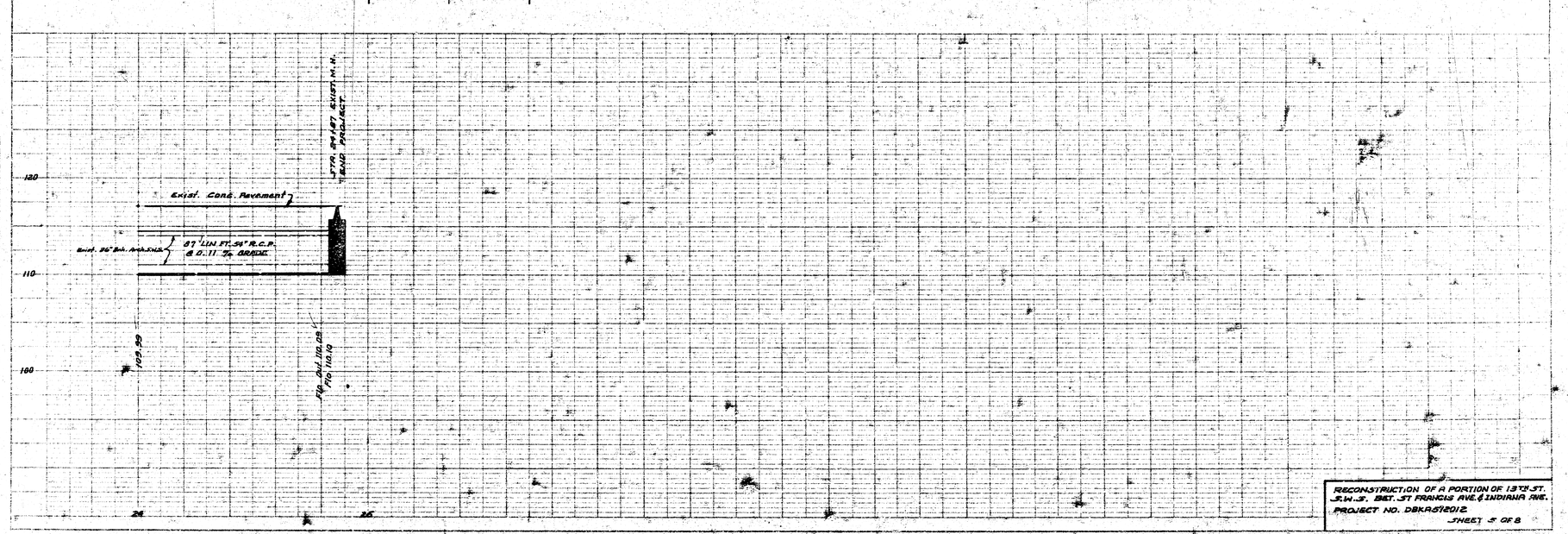
Existing Traffic Conservation
Existing Traffic Preservation
Existing Traffic Protection
Existing Traffic Safety
Existing Traffic Security
Existing Traffic Emergency
Existing Traffic Accident
Existing Traffic Incident
Existing Traffic Hazard
Existing Traffic Risk
Existing Traffic Danger
Existing Traffic Warning
Existing Traffic Caution
Existing Traffic Notice
Existing Traffic Alert
Existing Traffic Alarm
B.M. 116.89 STD. S.W. COR. WASHINGTON & 13TH 32' S. OF & 26' W. OF & BOTH
STA. 9+41
STA. 9+68
STA. 10+28
41' LIN FT 54" R.C.P. @ 0.11 % GRADE
327' LIN FT 54" R.C.E. @ 0.11% GRADE
60' LIN FT 54" R.C.P. @ 0.11 % GRADE
112' LIN FT 54" R.C.P. @ 0.11% GRADE
NOTE:
30' LIN FT 54" CLASS V R.C.P. UNDER R.R. BY JACKING METHOD
RECONSTRUCTION OF A PORTION OF 13TH ST. S.W.S. BET. ST FRANCIS AVE. & INDIANA AVE.
PROJECT NO. DBKA572012.
SHEET 2 OF 8


STA. 13+24 CONST. REINF. CONC. M.H.
STA. 14+55 CONST. STD. M.H. TYPE "A" OVER EXIST. 4'-6" CLAY PIPE
STA. 15+79 CONST. TAU - SIPHON SEE DETAIL SHT. # 8
STA. 15+91 CONST. REINF. CONC. M.H.
CONST. STD. M.H. TYPE "A" STA. 15+88 (4'-0" DIAM.)
CONST. STD. M.H. TYPE "A" STA. 0+13 (39" DIAM.)
CONST. STD. M.H. TYPE "A"
CONST. STD. M.H. TYPE "A"
CONST. STD. M.H. TYPE "A"
REMOVE M.H.
155'-8" CLAY PIPE @ 0.30% GRADE
134'-54" R.C.P.
227'-36" R.C.P.
209'-30" R.C.P.
31'-8" CLAY PIPE
PLUG
Exist. 8" San. Sewer
Exist. 45" Brk. Arch. S.W.S.
Exist. 20" S.W.S.
Exist. 16" C.I. water
Exist. 4" Gas (Gas Service)
Exist. 15" C.I.P.
MOSLEY
MEAD AVE.
ST.
S.W.S. Lead
Exist. 18" San. Sewer
Exist. 8" San. Sewer
Exist. 16" Brk. Arch. S.W.S.
Exist. 45" Brk. Arch. S.W.S.
Top rail elev. 117.60
Undisturbed earth
NOTE: CULVERT 50 LIN. FT. OF 12 GAGE CORRUGATED METAL PIPE INTO EXIST. 45" BRK ARCH S.W.S. PRESSURE GROUT VOID USING A CEMENT-SAND GROUT OF ONE PART CEMENT TO SIX PARTS SAND.
SECTION
REPAIR OF 45" BRK ARCH S.W.S.
B.M. 117.17 TOP N. BOLT N. SIDE VICKERS ADV. SIGN N.W. COR. 13TH & MOSLEY
Exist. Conc. Pavement
134 LIN. FT. 54" R.C.P. @ 0.11 % GRADE
257 LIN. FT. 54" R.C.P. @ 0.11 % GRADE
203 LIN. FT. 54" R.C.P. @ 0.11 % GRADE
Const. Siphon
STA. detail Sht. # 8
NOTE:
30 LIN. FT. 54" CLASS "C" R.C.P. UNDER R.R. BY JACKING METHOD
RECONSTRUCTION OF A PORTION OF 13TH ST. S.W.S. BET. ST FRANCIS AVE. & INDIANA AVE.
PROJECT NO. DBKA512012
SHEET 3 OF 8

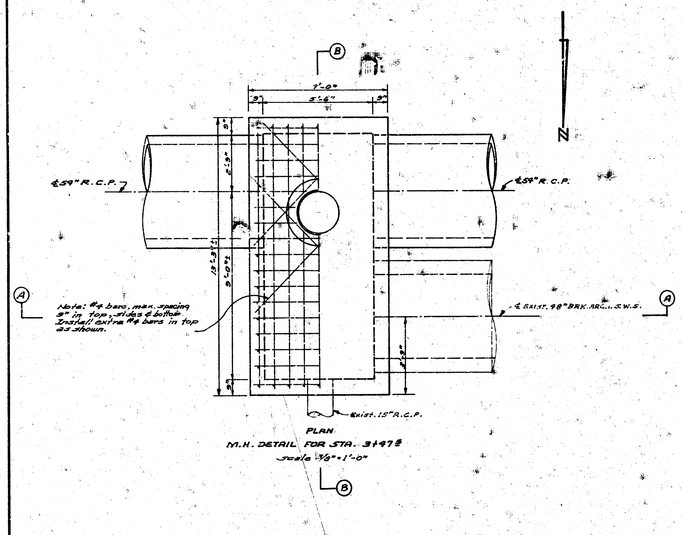

PLAN
DLK-105 & 106
3TH. 20136 CONST. REINF. CONC. M.H.
13TH
ST
INDIANA AVE.
ALLEY
SANTA FE
R.R.
100' R/W
42.9'
43'
40'-24" R.C.P.
18L'-24" R.C.P.
Removal limits
Exist. conc. pavement
Exist. 24" Brk. arch. S.W.S.
Exist. 36" S.W.S.
Exist. 24" S.W.S.
4" C.I. water
6" Gas (Gas Service)
8" Gas (Gas Main)
PLUG
Exist. S.W.S. Lead
Exist. S.W.S. (Lead)
Exist. Poles
Exist. Fire Alarm Box
Exist. Telephone Booth
Exist. Telephone Pedestal
Exist. Fire Hydrant
Exist. Gas Valve
Exist. Water Valve
Exist. Gas Meter
Exist. Gas Line Marker
Exist. Water Meter
Exist. Sewer Manhole
Exist. Catch Basin
Exist. Curb Inlet
Exist. Gas Manhole
Exist. Water Manhole
Exist. Electric Manhole
Exist. Telephone Manhole
Exist. Electric Meter
Exist. Telephone Manhole
Exist. Gas Meter



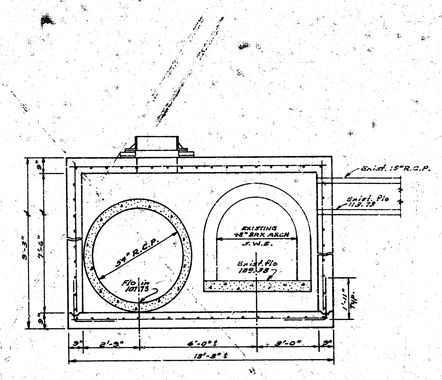


K·E PLATE 1, PLAN PROFILE
KEUFFEL & ESSER CO.
66 7029 MADE IN U.S.A.

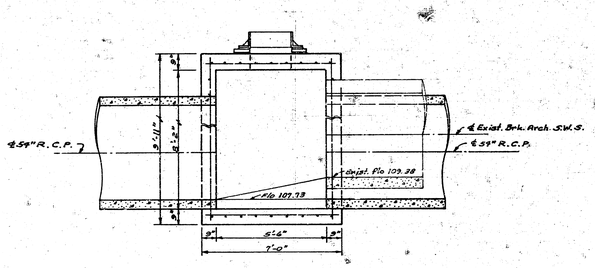
RECONSTRUCTION OF A PORTION OF 13TH ST. S.W.S. BET. ST FRANCIS AVE. & INDIANA AVE.
PROJECT NO. DBKR-312012
SHEET 5 OF 8



M.H. DETAIL FOR STA. 31+75
Scale 3/8"=1'-0"



SECTION "B"
Scale 3/8"=1'-0"



SECTION "A"
Scale 3/8"=1'-0"

GENERAL NOTES:

#1 All pipes abandoned in place shall be filled with sand & cost incurred shall be considered incidental to the project.

#2 The removal of exist. 48" brick arch S.W.S. from Indiana Ave. to Ohio Ave. shall be bid as lin. Ft. 48" brick arch rem. Cost incurred removing other size pipes shall be considered incidental to the proj.

#3 "Service Connections" The bid item service connections shall be for the connection of service leads to the new sewer system. The price bid shall include replacing the service leads that are broken or damaged & shall be replaced as far back as necessary to make a good connection as determined by the Field Engineer. Also shall include any other incidental that may occur. The Contractor shall determine the location of service leads by careful inspection when installing new system. *(within Street R/W).

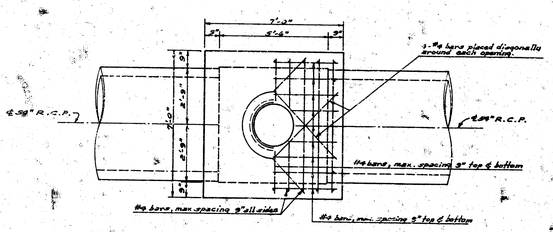
#4 The repair of exist. 48" brick arch S.W.S. under the R.R. @ Mead Ave. shall be bid as a lump sum item "48" brick arch repair" & shall include 36" C.M.P., filling void with grout, cost of jacking pipe into place & any other incidental necessary to complete the repair. Manholes constructed @ ea. end of repair section shall be bid as type "A" Manholes.

#5 The lump sum bid item "siphon" shall include: pipe, bends, fittings, reinf. conc. encasement & any other incidental necessary to complete the siphon. Manholes constructed @ ea. end of siphon shall be bid as type "A" Manholes.

#6 All pipe plugs shall be considered incidental to the project.

#7 "Underground Services" Water, gas, sewer, telephone, electricity and any other installation in the vicinity of the work to be done are shown on the plans. The accuracy of this information is not guaranteed. The contractor shall make every effort to locate all underground utilities and service connections by contacting owners thereof and by prospecting in advance of the excavation. Any delay or extra cost to the contractor from underground installations or service connections not shown on the plans or found in different locations as indicated shall not constitute a claim for additional payment, extra work or damages.

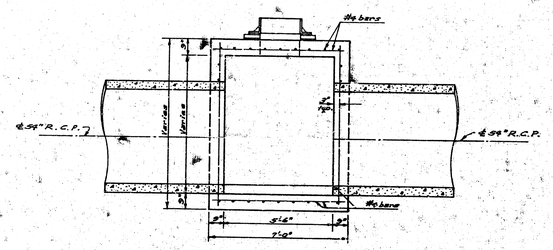
RECONSTRUCTION OF A PORTION OF 13TH ST. S.W.S. BET. ST FRANCIS AVE. & INDIANA AVE.
PROJECT NO. DBKA512012
SHEET 16 OF 8



PLAN

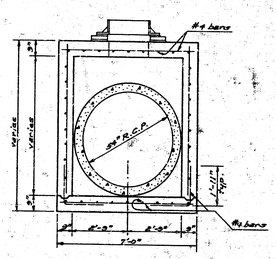
DETAIL REINF. CONC. M.H. FOR STA. 6+41, 9+68
10+28, 13+94, 15+91, 18+40 & 20+26

Scale 3/8"=1'-0"



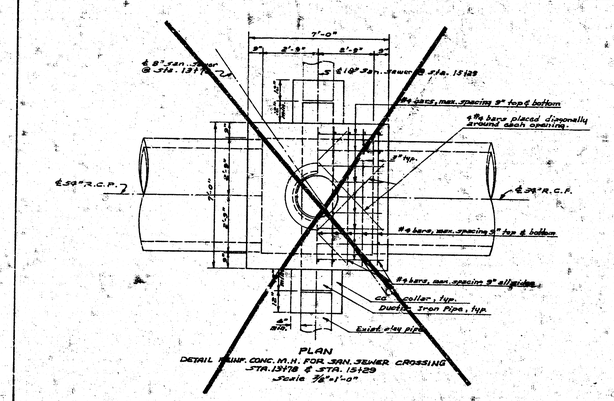
SECTION

Scale 3/8"=1'-0"



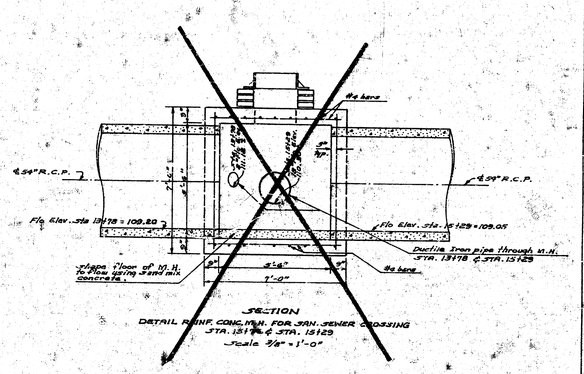
SECTION

Scale 3/8"=1'-0"



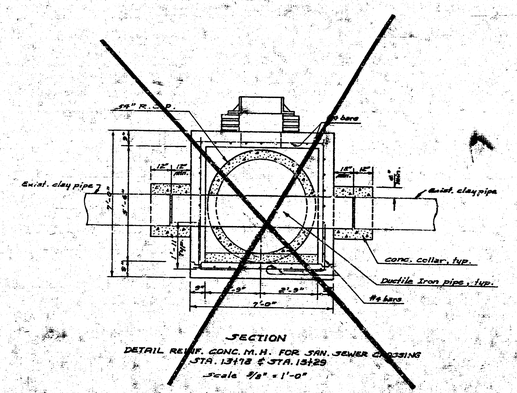
PLAN

DETAIL REINF. CONC. M.H. FOR SAN. SEWER CROSSING
STA. 13+78 & STA. 15+29
Scale 3/8"=1'-0"



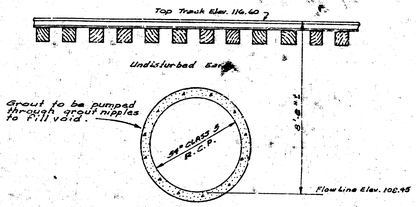
SECTION

DETAIL REINF. CONC. M.H. FOR SAN. SEWER CROSSING
STA. 13+78 & STA. 15+29
Scale 3/8" = 1'-0"



SECTION

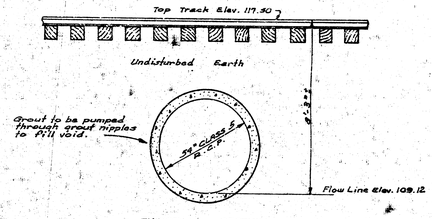
DETAIL REINF. CONC. M.H. FOR SAN. SEWER CROSSING
STA. 13+78 & STA. 15+29
Scale 3/8" = 1'-0"



TYPICAL SECTION

FRISCO R.R. CROSSING STA. 9+89± TO 10+19±

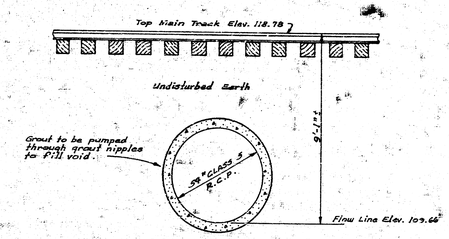
Note: Pipe to be installed by jacking method



TYPICAL SECTION

ROCK ISLAND R.R. CROSSING STA. 15+99± TO 16+29±

Note: Pipe to be installed by jacking method



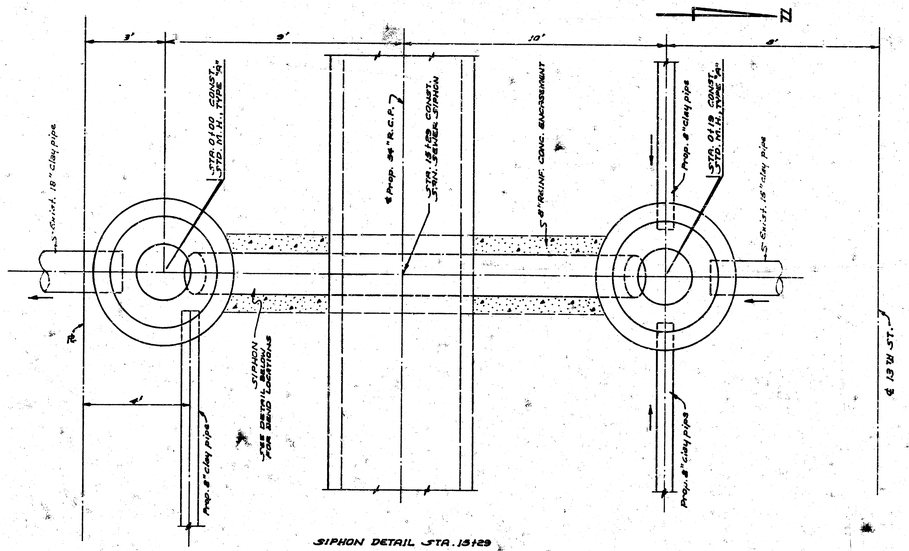
TYPICAL SECTION

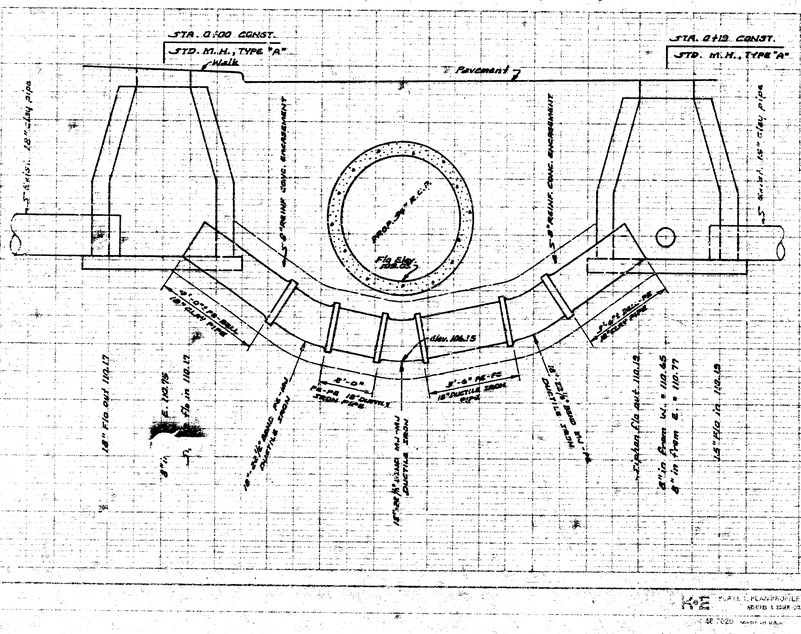
SANTA FE R.R. CROSSING STA. 20+29± TO 21+31±

Note: Pipe to be installed by jacking method

RECONSTRUCTION OF A PORTION OF 13TH ST.
S.W.S. BET. ST FRANCIS AVE. & INDIANA AVE.
PROJECT NO. LBKA-5(2012)

SHEET 7 OF 8





PLAN & PROFILE

RECONSTRUCTION OF A PORTION OF 13TH ST. S.W.S. BET. ST FRANCIS AVE. & INDIANA AVE.
PROJECT NO. DBK-ST2012
SHEET 8 OF 8

4 3 2 1