**ADDENDUM #1**

**FRANKLIN STREET DRAINAGE STRUCTURE REPLACEMENT**

ADDENDUM #1
2 MARCH 2017
NUMBER OF PAGES: 1

**NOTICE:**

This addendum is issued to modify, explain or correct the original drawings, specifications and/or previous addenda and is hereby made part of the Contract Documents. **Please attach this Addendum to the specifications in your possession and note receipt of the Addendum on the first page of your bid.**

1. **DRAWING S2.3 NOTE 6 - indicates the steel beams and column brackets are to be removed and remain the property of the contractor. ADD: This includes the timber stringers.**
2. **ADD – Drawing 'Drainage Structure Temporary Shoring' (attached below). Shoring installed in 2016. To be used as additional information to help determine maximum load limits of the installed system.**

**End of Addendum**

# FRANKLIN STREET
# DRAINAGE STRUCTURE TEMPORARY SHORING
# GALENA, ILLINOIS

| SPECIFICATIONS |
|---|
| DESIGN: 2012 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION |

| DESIGN LIVE LOAD |
|---|
| DESIGN VEHICLE H15–44<br>GROSS VEHICLE WEIGHT: 30,000 LB<br>AXLE WEIGHTS: 6,000 LB / 24,000 LB<br>MINIMUM AXLE SPACING: 14'–0" |

**PRODUCTS**

1. LUMBER: DOUGLAS FIR–LARCH, SELECT STRUCTURAL GRADE OR BETTER, Fb=1,500 PSI.
   1.1 PRESERVATIVE TREATMENTS ARE NOT REQUIRED.
2. STEEL:
   2.1 W–SHAPES: ASTM A 992, Fy=50 KSI
   2.2 FABRICATIONS, CHANNELS, ANGLES, PLATES & BARS: ASTM A 36, Fy=36 KSI
   2.3 BOLTS: ASTM A325, Fu=105 KSI – 120 KSI
   2.4 THREADED RODS: ASTM A193, GRADE B7, Fu=125 KSI
3. WELD ELECTRODES: E70XX

**CONTACTS**


IIW, P.C.
C/O NATHAN MILLER
4155 PENNSYLVANIA AVENUE
DUBUQUE, IOWA 52002
V. (563)556–2464
F. (563)556–7811
E. n.miller@iiwengr.com

CITY OF GALENA ENGINEERING DEPARTMENT
C/O ANDY LEWIS
101 GREEN STREET
GALENA, ILLINOIS 61036
V. (815)777–1050
F. (815)777–3083
E. alewis@cityofgalena.org


**SHOP DRAWINGS AND SUBMITTALS**

1. SHOP DRAWING REVIEW SHALL BE PERFORMED BY IIW, P.C. WHICH WILL REVIEW FABRICATION DRAWINGS IN RELATION TO THE DESIGN INTENT. FIELD VERIFICATION OF EXISTING DETAILS AND DIMENSIONS IS THE RESPONSIBILITY OF THE CONTRACTOR AND WILL NOT BE ADDRESSED DURING THE REVIEW OF SHOP DRAWINGS.
2. THE FOLLOWING ITEMS REQUIRE APPROVED SUBMITTALS:
   2.1. STEEL FRAMING AND FABRICATIONS

UTILITY NOTE:

THE LOCATIONS OF THE EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE RESPONSIBILITY OF ANYONE USING THIS DOCUMENT TO ASCERTAIN THE EXACT LOCATION, SIZE, TYPE, MATERIAL, AND ELEVATION OF ALL UTILITIES THAT MAY BE PRESENT.

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**GENERAL NOTES**

1. PLAN SET IS LIMITED TO THE TEMPORARY SHORING OF THE FRANKLIN STREET DRAINAGE STRUCTURE. DETAILS FOR THE REMOVAL OF THE ROOF SLAB ARE NOT INCLUDED WITH THESE DRAWINGS. ADDITIONAL DETAILS ARE REQUIRED TO FACILITATE THE REMOVAL OF THE ROOF SLAB.
2. THE GENERAL PURPOSE OF THIS PROJECT IS TO INSTALL TEMPORARY SHORING TO SUPPORT THE ROOF SLAB OF THE DRAINAGE STRUCTURE LOCATED UNDER FRANKLIN STREET NORTH OF THE INTERSECTION WITH NORTH BENCH STREET.
3. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NORMAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION PRIOR TO COMPONENT FABRICATION AND CONSTRUCTION. NOMINAL DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS SHALL NOT BE USED AS A BASIS FOR ADDITIONAL COMPENSATION.
4. FAINT LINES ON PLANS INDICATE THE EXISTING STRUCTURE.

**UTILITIES**

1. LOCATIONS OF EXISTING UTILITIES ARE NOT SHOWN ON THESE PLANS. OVERHEAD AND UNDERGROUND UTILITIES ARE KNOWN TO BE PRESENT THROUGHOUT THE CONSTRUCTION AREA, INCLUDING EXPOSED UNDERGROUND UTILITIES IN THE INTERIOR OF THE DRAINAGE STRUCTURE. EXPOSED UTILITIES INCLUDE A GAS MAIN, SANITARY SEWER, AND WATER MAIN. CONTRACTOR SHALL FIELD VERIFY SIZES AND LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. ALL EXISTING UTILITIES SHALL BE MAINTAINED IN–PLACE BY THE CONTRACTOR. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION TO THE CITY ENGINEER.

**CONSTRUCTION STAGING AND ACCESS**

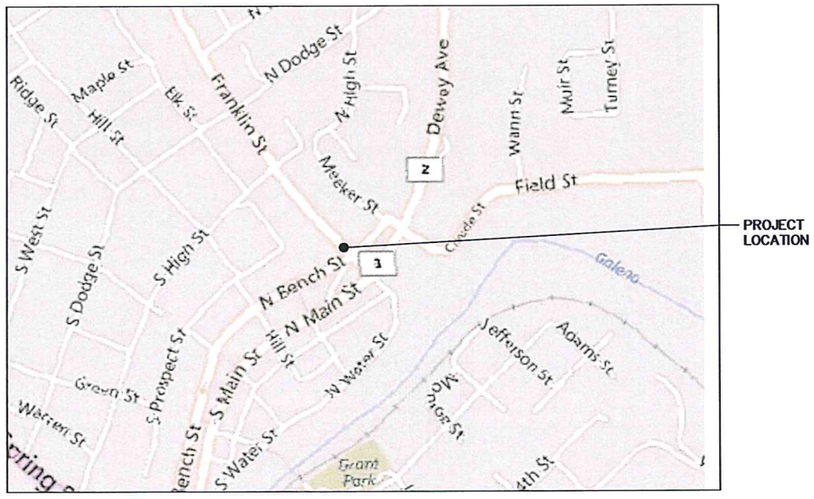
1. CONTRACTOR SHALL COORDINATE SITE ACCESS, STAGING WORK, MATERIAL AND EQUIPMENT STORAGE, AND ELECTRICAL ACCESS WITH THE CITY OF GALENA.
2. CONTRACTOR SHALL PROTECT EXISTING VEGETATION, GRADING, EQUIPMENT, STRUCTURES, PAVING, UTILITIES, AND OTHER IMPROVEMENTS IN AND AROUND THE CONSTRUCTION AREA.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE CONSTRUCTION AREA TO THE PRE–CONSTRUCTION CONDITIONS UPON COMPLETION OF THE PROJECT.
4. CONTRACTOR SHALL PROVIDE ENVIRONMENTAL PROTECTIONS DURING ALL CONSTRUCTION ACTIVITIES AS REQUIRED TO COMPLY WITH ENVIRONMENTAL REGULATIONS AND TO MINIMIZE POSSIBLE AIR, WATERWAY, AND SUBSOIL CONTAMINATION OR POLLUTION OR OTHER UNDESIRABLE EFFECTS. THIS SHALL INCLUDE COLLECTION AND REMOVAL OF ALL CONSTRUCTION DEBRIS FROM THE DRAINAGE STRUCTURE.
5. AFFECTED PORTIONS OF FRANKLIN STREET SHALL BE CLOSED DURING CONSTRUCTION.
   5.1. TRAFFIC CONTROL AND SIGNAGE WILL BE PROVIDED BY THE CITY. CONTRACTOR SHALL COORDINATE WITH THE CITY FOR SCHEDULING OF SPECIFIC CLOSURE TIMES.
   5.2. ACCESS TO ALL DRIVEWAYS AND ACCESS POINTS MUST BE MAINTAINED BY STAGING CONSTRUCTION WORK AROUND CRITICAL AREAS.
6. INTERIOR OF DRAINAGE STRUCTURE IS CLASSIFIED AS A CONFINED SPACE.
   6.1. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A CONFINED SPACE ENTRY PERMIT TO THE CITY FOR WORK TO BE PERFORMED IN THIS AREA.
   6.2 CONTRACTOR SHALL COORDINATE DIRECTLY WITH LOCAL EMERGENCY SERVICES CREWS TO ESTABLISH CONFINED SPACE RESCUE PROTOCOLS AND RESPONSIBILITIES PRIOR TO COMMENCING WORK WITHIN THE CONFINED SPACE.
   6.3 CONTRACTOR SHALL MAINTAIN AN "ATTENDANT" OUTSIDE THE CONFINED SPACE DURING THE DURATION OF ALL CONFINED SPACE ENTRIES.
   6.4 CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE REGULATIONS RELATING TO CONFINED SPACE ENTRY AND MAINTAINING A SAFE WORKING ENVIRONMENT DURING ALL CONSTRUCTION ACTIVITIES.
   6.5 ALL PERSONNEL MUST WEAR PROTECTIVE HEADGEAR AT ALL TIMES FOR PROJECT DURATION.
7. THE BOTTOM OF THE ROOF SLAB ON THE INTERIOR OF THE DRAINAGE STRUCTURE IS SEVERELY SPALLED AND DELAMINATED THROUGHOUT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND DISPOSE OF ALL LOOSE AND DELAMINATED CONCRETE, AND READILY DEBONDED STEEL REINFORCING FROM THE ROOF SLAB PRIOR TO INSTALLATION OF THE TEMPORARY SHORING.
   7.1 CONTRACTOR SHALL PROVIDE A TEMPORARY BARRIER TO COLLECT DEBRIS AT BOTTOM OF DRAINAGE STRUCTURE.
   7.2 CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS DURING SELECTIVE REMOVAL OF DETERIORATED ROOF SLAB MATERIALS.

**Sheet List Table**


| Sheet Number | Sheet Title |
|---|---|
| G1.1 | COVER SHEET |
| G1.2 | ABBREVIATIONS |
| S1.1 | PLAN AND SECTION |
| S1.2 | DETAILS |
| S1.3 | DETAILS |
| E1.1 | EXISTING PLAN SHEET |
| E1.2 | EXISTING PLAN SHEET |
| E1.3 | EXISTING PLAN SHEET |


## PROJECT LOCATION

NORTH




## PROFESSIONAL SEALS

DENNIS F. WAUGH
81–4329
LICENSED STRUCTURAL ENGINEER
EXP. 11/2016
ILLINOIS

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL STRUCTURAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS

FOR IIW, P.C.
PROFESSIONAL DESIGN FIRM LICENSE #184–000951

DENNIS F. WAUGH — DATE 9/7/16

81–4329 — REG. # — 11/30/2016 — EXP. DATE

PAGES OR SHEETS COVERED BY THIS CERTIFICATION:
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Project Description: COVER SHEET
FRANKLIN STREET
DRAINAGE STRUCTURE TEMPORARY SHORING
GALENA, ILLINOIS
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Drawing Issue Information
Drawn By: .
Issued For Construction: .
Project Mgr: .
Issued For Bidding: .

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Sheet No: G1.1
Project No: 16178

# ABBREVIATIONS

| | |
|---|---|
| ∠ | ANGLE |
| Δ | CENTRAL ANGLE |
| AB | ANCHOR BOLT |
| A/C | AIR CONDITIONING(ER) |
| AC | ACRES |
| AD | ALGEBRAIC DIFFERENCE |
| ADD'L | ADDITIONAL |
| A.F.F. | ABOVE FINISHED FLOOR |
| AGG | AGGREGATE |
| ALT | ALTERNATING |
| ALUM | ALUMINUM |
| ANCH | ANCHOR |
| AOH | ARROW ON HYDRANT |
| ARCH | ARCHITECTURAL |
| ASPH | ASPHALT |
| AVG | AVERAGE |
| | |
| B–B | BACK OF CURB TO BACK OF CURB |
| B.B. | BOND BEAM |
| B/C | BACK OF CURB |
| BD | BOARD |
| B/Ditch | BOTTOM OF DITCH |
| BFP | BACKFLOW PREVENTOR |
| B/L | BASE LINE |
| B.L. | BRICK LEDGE |
| B/S | BOTTOM OF SLOPE |
| BLDG | BUILDING |
| BLK | BLOCK |
| BLKG | BLOCKING |
| BNT | BENT |
| BM | BEAM |
| B.M. | BENCH MARK |
| BOP | BEGINNING OF PROJECT |
| BOT | BOTTOM |
| BRG | BEARING |
| BRKT | BRACKET |
| BSMT | BASEMENT |
| BTWN | BETWEEN |
| BV | BUTTERFLY VALVE |
| | |
| C&G | CURB AND GUTTER |
| CANT | CANTILEVER |
| CATV | CABLE TELEVISION |
| CB | CATCH BASIN |
| C–C | CENTER TO CENTER |
| CF | CUBIC FEET |
| CH | CHORD |
| CH BRG | CHORD BEARING |
| CIP | CAST IRON PIPE |
| C–I–P | CAST–IN–PLACE |
| CISP | CAST IRON SOIL PIPE |
| CJ | CONTROL JOINT |
| ℄ CL | CENTERLINE |
| CLG | CEILING |
| CLR | CLEAR |
| CMP | CORRUGATED METAL PIPE |
| CMU | CONCRETE MASONRY UNIT |
| CO | CLEAN OUT |
| COL | COLUMN |
| COMP | COMPACTED |
| CONC | CONCRETE |
| COND | CONDITION |
| CONN | CONNECTION |
| CONST | CONSTRUCTION |
| CONT | CONTINUOUS |
| CONTR | CONTRACTOR |
| COORD | COORDINATE |
| COR | CORNER |
| CP | CONTROL POINT |
| CPE | CORRUGATED POLYETHELENE PIPE |
| CRST | CRUSHED STONE |
| CSP | CORRUGATED STEEL PIPE |
| CTRD | CENTERED |
| CTR | CENTER |
| CU | CUBIC |
| CULT | CULTIVATED |
| CV | CHECK VALVE |
| CY | CUBIC YARD |

| | |
|---|---|
| D | DEGREE OF CURVE |
| DEFL | DEFLECTION |
| DIA (ø) | DIAMETER |
| DIAG | DIAGONAL |
| DIM | DIMENSION |
| DIP | DUCTILE IRON PIPE |
| DIST | DISTANCE |
| DL | DEAD LOAD |
| DN | DOWN |
| DRWY | DRIVEWAY |
| DS | DOWNSPOUT |
| DWG(S) | DRAWING(S) |
| DWL(S) | DOWEL(S) |
| | |
| E | EAST |
| E'LY | EASTERLY |
| EA | EACH |
| E.E. | EACH END |
| E.F. | EACH FACE |
| EFF | EFFECTIVE |
| EJ | EXPANSION JOINT |
| EL | ELEVATION |
| ELEC | ELECTRICAL |
| ELEV | ELEVATOR |
| EMBED | EMBEDMENT |
| ENGR | ENGINEER |
| ENTR | ENTRANCE |
| EOP | END OF PROJECT |
| EOR | END OF RADIUS |
| E/P | EDGE OF PAVEMENT |
| EQ | EQUAL |
| E/S | EDGE OF SHOULDER |
| ESMT | EASEMENT |
| EST | ESTIMATE |
| EX | EXISTING |
| EXC | EXCAVATE/EXCAVATION |
| EXP | EXPANSION |
| EXT | EXTERIOR |
| EXTD | EXTEND |
| EW | EACH WAY |
| | |
| FD | FLOOR DRAIN |
| FDN | FOUNDATION |
| FE | FIRE EXTINGUISHER |
| F.E. | FIELD ENTRANCE |
| FES | FLARED END SECTION |
| F–F | FACE TO FACE |
| F&I | FURNISH & INSTALL |
| F.F. | FAR FACE |
| FFE | FINISH FLOOR ELEVATION |
| FG | FORM GRADE |
| FIN GR | FINISHED GRADE |
| FL | FLOWLINE |
| FLG | FLANGE |
| FLR | FLOOR |
| FM | FORCE MAIN |
| FND | FOUND |
| FRM | FRAME |
| F.S. | FAR SIDE |
| FT | FOOT/FEET |
| FTG | FOOTING |
| FUT | FUTURE |
| FV | FIELD VERIFY |
| | |
| G | GUTTER |
| GA | GAGE |
| GC | GENERAL CONTRACTOR |
| GALV | GALVANIZED |
| GL | GLUE LAMINATED WOOD |
| GND | GROUND |
| GRAN | GRANULAR |
| GRD | GRADE |
| GV | GATE VALVE |
| GYP | GYPSUM |

| | |
|---|---|
| HD | HEAD |
| H.E.F. | HORIZONTAL EACH FACE |
| H.I.F. | HORIZONTAL INSIDE FACE |
| HK | HOOK |
| H.M. | HOLLOW METAL |
| HMA | HOT MIX ASPHALT |
| H.O.F. | HORIZONTAL OUTSIDE FACE |
| HORIZ | HORIZONTAL |
| HP | HORSEPOWER |
| HPT | HIGH POINT |
| H.S.A. | HEADED STUD ANCHOR |
| H.S.S. | HOLLOW STRUCTURAL SECTION |
| HT | HEIGHT |
| HYD | HYDRANT |
| | |
| ID | INSIDE DIAMETER/INSIDE DIMENSION |
| IE | INVERT ELEVATION |
| I.F. | INSIDE FACE |
| I.J. | ISOLATION JOINT |
| IMP | IMPROVEMENTS |
| IN | INCHES |
| INFO | INFORMATION |
| INSP | INSPECTION |
| INST | INSTALLATION |
| INSUL | INSULATION |
| INT | INTERIOR |
| INTR | INTERSECTION |
| INV | INVERT |
| IP | IRON PIPE |
| | |
| JB | JUNCTION BOX |
| JT | JOINT/JOINT LENGTH |
| JST(S) | JOIST(S) |
| | |
| K | RATE OF VERTICAL CURVATURE |
| K | KIPS |
| K/FT | KIPS PER FOOT |
| KIP | 1 KIP = 1,000 LBS |
| KSF | KIPS PER SQUARE FOOT |
| | |
| L | LENGTH OF CURVE |
| LAT | LATERAL |
| LB/# | POUND |
| LF | LINEAL FOOT |
| LL | LIVE LOAD |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LONG | LONGITUDINAL |
| LP | LIGHT POLE |
| LPT | LOW POINT |
| LT | LEFT |
| LTL | LINTEL |
| LW | LIGHT WEIGHT |
| | |
| MAS | MASONRY |
| MAX | MAXIMUM |
| MBR | MEMBER |
| ME | MATCH EXISTING |
| MECH | MECHANICAL |
| MEZZ | MEZZANINE |
| MFR | MANUFACTURER |
| MH | MANHOLE |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| ML | MICRO LAMINATED WOOD |
| MO | MOISTURE RESISTANT |
| MOD | MODIFY |
| MON | MONUMENT |
| MTD | MOUNTED |

| | |
|---|---|
| N | NORTH |
| N/A | NOT APPLICABLE, NOT AVAILABLE |
| NE'LY | NORTHEASTERLY |
| N.F. | NEAR FACE |
| N'LY | NORTHERLY |
| NO/# | NUMBER |
| N.S. | NEAR SIDE |
| NIC | NOT IN CONTRACT |
| NOM | NOMINAL |
| NTS | NOT TO SCALE |
| NW'LY | NORTHWESTERLY |
| | |
| OC | ON CENTER |
| OD | OUTSIDE DIAMETER |
| O.F. | OUTSIDE FACE |
| O.H. | OVER HEAD |
| OP'G | OPENING |
| OPP | OPPOSITE |
| | |
| PC | POINT OF CURVE |
| P.C. | PRECAST/PRESTRESSED CONCRETE |
| PCF | POUNDS PER CUBIC FOOT |
| PCC | PORTLAND CEMENT CONCRETE |
| PED | PEDESTAL/PEDESTRIAN |
| PERF | PERFORATED |
| PERIM | PERIMETER |
| PERP | PERPENDICULAR |
| PI | POINT OF INTERSECTION |
| P/L | PROPERTY LINE |
| PL | PLATE |
| PLF | POUNDS PER LINEAL FOOT |
| PLK | PLANK |
| PM | PRINCIPAL MERIDIAN |
| POB | POINT OF BEGINNING |
| POC | POINT OF CURVE |
| POT | POINT OF TANGENT |
| PRC | POINT OF REVERSE CURVE |
| PRELIM | PRELIMINARY |
| PROJ | PROJECTION |
| PROP | PROPOSED |
| PRV | PRESSURE REDUCING VALVE |
| PS | PRESTRESSED CONCRETE |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| P.T. | PAINTED |
| PT | POINT OF TANGENCY |
| PVC | POLYVINYL CHLORIDE |
| PVMT | PAVEMENT |
| | |
| QTY | QUANTITY |
| | |
| R | RADIUS |
| R.D. | ROOF DRAIN |
| R&R | REMOVE & REPLACE |
| R&S | REMOVE & SALVAGE |
| RCB | REINFORCED CONCRETE BOX |
| RCP | REINFORCED CONCRETE PIPE |
| RD | ROAD |
| REBAR | REINFORCING BAR |
| REF | REFERENCE |
| REINF | REINFORCING/REINFORCED |
| REM | REMAINDER |
| REQ | REQUIRED |
| REV | REVISION |
| RIM | RIM ELEVATION |
| R.O. | ROUGH OPENING |
| ROW | RIGHT OF WAY |
| RP | RADIUS POINT |
| RR | RAILROAD |
| RS | RESILIENT SEAT |
| RT | RIGHT |

| | |
|---|---|
| S | SOUTH |
| S= | SUPERELEVATION |
| SAN | SANITARY |
| SANS | SANITARY SEWER |
| SB | SOIL BORING |
| SCH | SCHEDULE |
| SD | SUB DRAIN |
| SDL | SUPERIMPOSED DEAD LOAD |
| SEC | SECTION |
| SE'LY | SOUTHEASTERLY |
| SF | SQUARE FOOT |
| S.F. | SPLIT FACE |
| S.F.D. | STEP FOOTING DOWN |
| SHT | SHEET |
| SIG. | SIGNAL |
| SIM. | SIMILAR |
| S'LY | SOUTHERLY |
| SLL | SUPERIMPOSED LIVE LOAD |
| SOG | SLAB ON GRADE |
| SPC | SPACE |
| SPEC | SPECIFICATION |
| SQ | SQUARE |
| SS | STAINLESS STEEL |
| ST | STREET |
| STA | STATION |
| STAG | STAGGERED |
| STD | STANDARD |
| STIFF | STIFFENER |
| STL | STEEL |
| STM | STORM |
| STMS | STORM SEWER |
| STR | STRUCTURE/STRUCTURAL |
| SUPP | SUPPORT |
| SW'LY | SOUTHWESTERLY |
| SY | SQUARE YARD |
| SYM | SYMBOL |
| SYMM | SYMMETRICAL |
| | |
| T | TANGENT LENGTH |
| T/B | TOP OF BANKL |
| T/DITCH | TOP OF DITCH |
| T/C | TOP OF CURB |
| T/GRAV | TOP OF GRAVEL |
| T/WALL | TOP OF WALL |
| T/P | TOP OF PAVEMENT |
| T/S | TOP OF SLOPE |
| T/SUB | TOP OF SUBGRADE |
| T/W | TOP OF WALK |
| T & B | TOP AND BOTTOM |
| T.O.B. | TOP OF BEAM |
| T.O.B.L. | TOP OF BRICK LEDGE |
| T.O.C. | TOP OF CONCRETE |
| T.O.E.F. | TOP OF EXISTING FOOTING |
| T.O.F. | TOP OF FOOTING |
| T.O.M. | TOP OF MASONRY |
| T.O.P. | TOP OF PIER |
| T.O.S. | TOP OF STEEL |
| TCE | TEMPORARY CONSTRUCTION EASEMENT |
| TEL | TELEPHONE |
| TEMP | TEMPORARY |
| TERM | TERMINATE |
| TGB | TOP OF GRADE BEAM |
| THD | THREAD |
| THK | THICK / THICKNESS |
| TPD | TEMPERED |
| TPG | TOPPINGS |
| TRANS | TRANSVERSE |
| TS | TUBE STEEL |
| TWP | TOWNSHIP |
| TYP | TYPICAL |
| | |
| U | UTILITY |
| UAC | USE AS CONSTRUCTED |
| UE | UTILITY EASEMENT |
| UL | UNDERWRITERS LABRATORIES, INC. |
| ULFM | UNDERWRITERS LABRATORIES FACTORY MUTUAL |
| UNO | UNLESS NOTED OTHERWISE |

| | |
|---|---|
| VAR | VARIES |
| VC | VERTICAL CURVE |
| VCP | VITRIFIED CLAY PIPE |
| V.E.F. | VERTICAL EACH FACE |
| VER | VERIFY |
| VERT | VERTICAL |
| V.I.F. | VERTICAL INSIDE FACE |
| V.O.F. | VERTICAL OUTSIDE FACE |
| VOL | VOLUME |
| VPC | VERTICAL POINT OF CURVE |
| VPI | VERTICAL POINT OF INTERSECTION |
| VPT | VERTICAL POINT OF TANGENCY |
| | |
| W | WEST |
| W/ | WITH |
| W'LY | WESTERLY |
| WM | WATER MAIN |
| W/O | WITHOUT |
| W.P. | WORKING POINT |
| WD | WOOD |
| WND | WINDOW |
| WSO | WATER SHUT OFF |
| WT | WEIGHT |
| WV | WATER VALVE |
| WWF | WELDED WIRE FABRIC |
| | |
| X | CROSS |
| XSTG | EXTRA STRONG |
| XXSTG | DOUBLE EXTRA STRONG |
| | |
| YD | YARD |


IIW, P.C.

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CONSTRUCTION SERVICES
ENVIRONMENTAL ENGINEERING
LAND SURVEYING
MUNICIPAL ENGINEERING
STRUCTURAL ENGINEERING
TRANSPORTATION ENGINEERING

INTEGRITY.EXPERTISE.SOLUTIONS




Project Description

ABBREVIATIONS

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SHEET TITLE 3
FRANKLIN STREET
DRAINAGE STRUCTURE TEMPORARY SHORING
GALENA, ILLINOIS

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Drawing Issue Information

Project Mgr: .
Issued For Bidding: .

Drawn By: .
Issued For Construction: .

| Rev | Description | Date | By |
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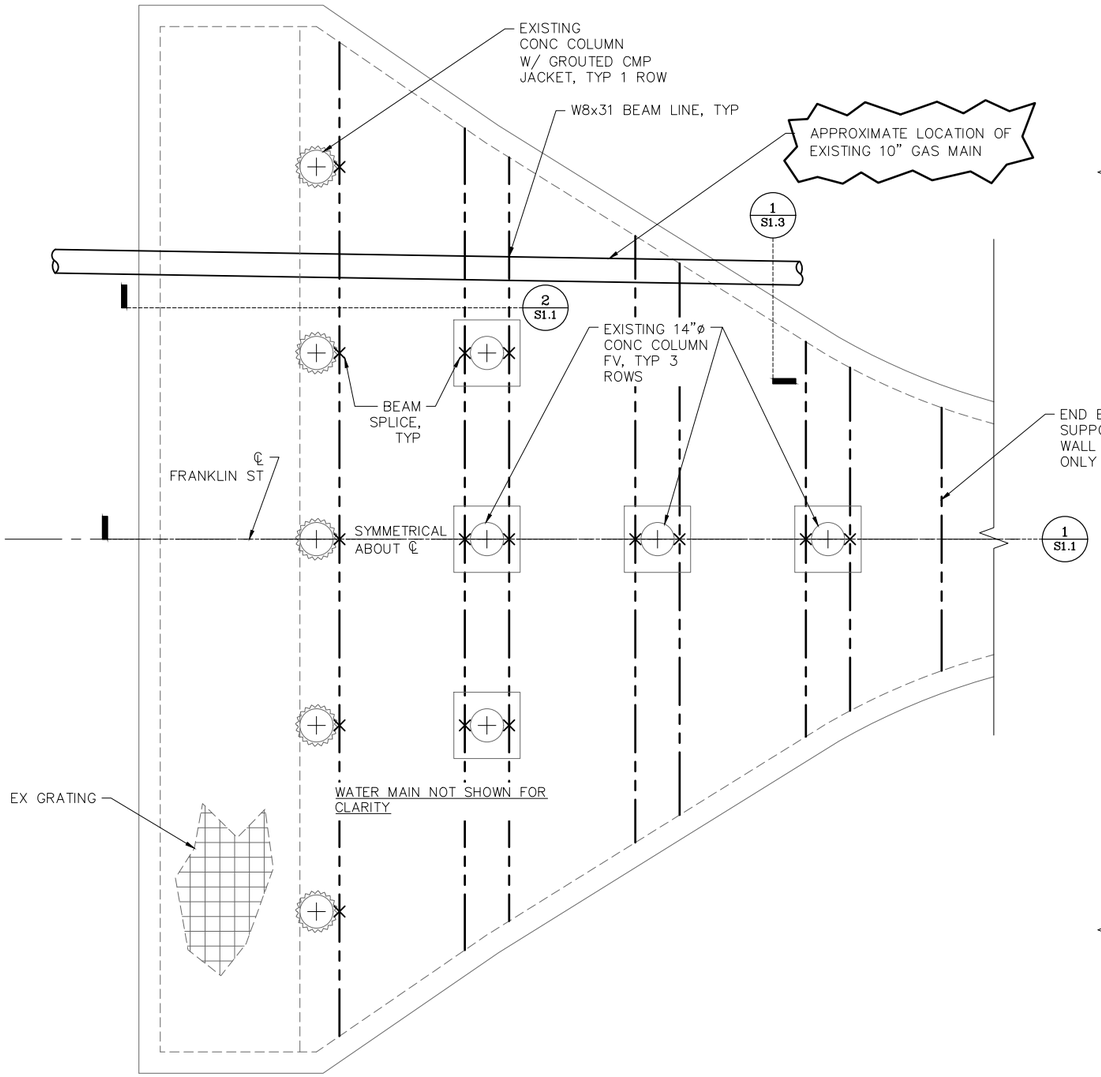
Sheet No:

G1.2

Project No: 16178




NORTH

STEEL BEAM FRAMING PLAN

11x17 SCALE: 3/16" = 1'-0"
22x34 SCALE: 3/8" = 1'-0"

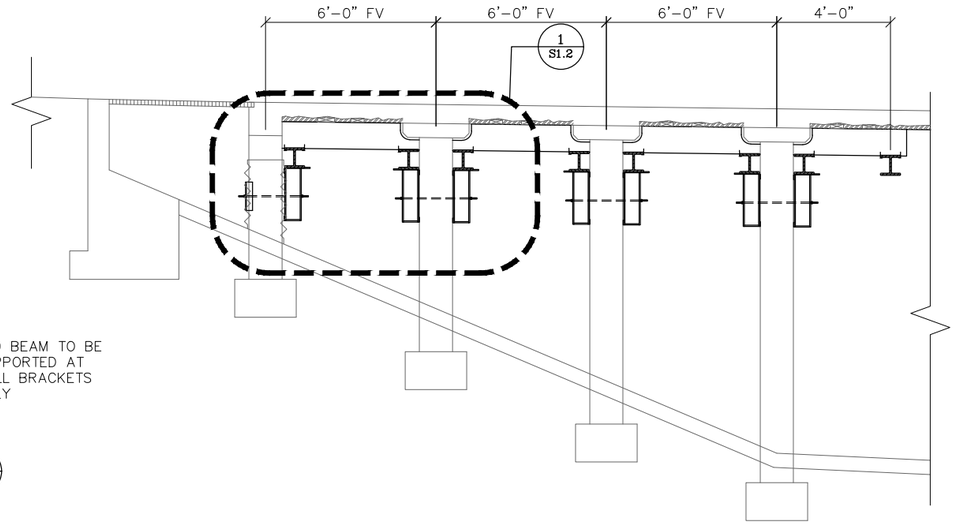
BEAM SPLICING NOTES:

X – INDICATES OPTIONAL
BEAM SPLICE LOCATIONS

ALL SPLICES MUST BE CENTERED ON COLUMNS.

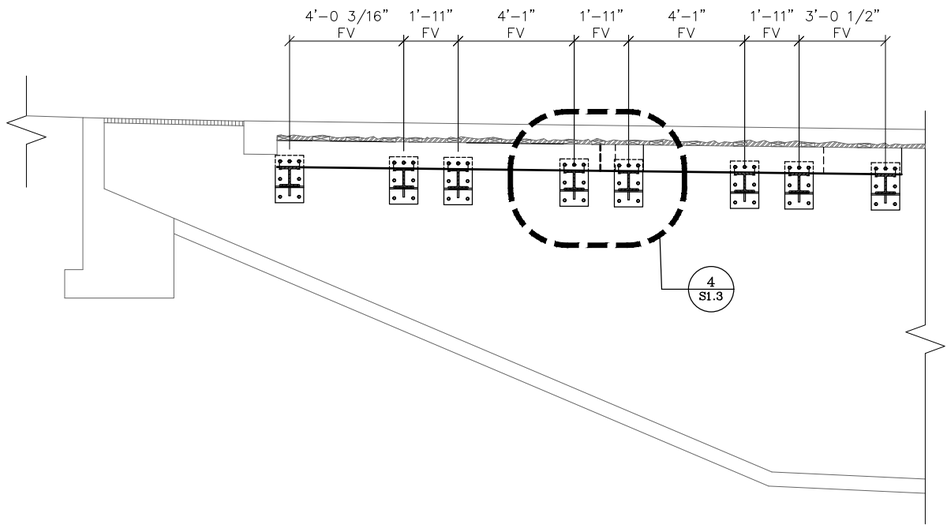
SITE ACCESS LIMITS BEAMS TO A MAXIMUM LENGTH OF 12' TO 15'.

SEE SHEET S1.3 FOR SPLICE DETAILS.




1 S1.1 SECTION @ COLUMNS

11x17 SCALE: 3/16" = 1'-0"
22x34 SCALE: 3/8" = 1'-0"




2 S1.1 SECTION @ ENDS

11x17 SCALE: 3/16" = 1'-0"
22x34 SCALE: 3/8" = 1'-0"

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Project Description

PLAN AND SECTION

FRANKLIN STREET
DRAINAGE STRUCTURE TEMPORARY SHORING
GALENA, ILLINOIS

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Drawing Issue Information

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Issued For Bidding: .

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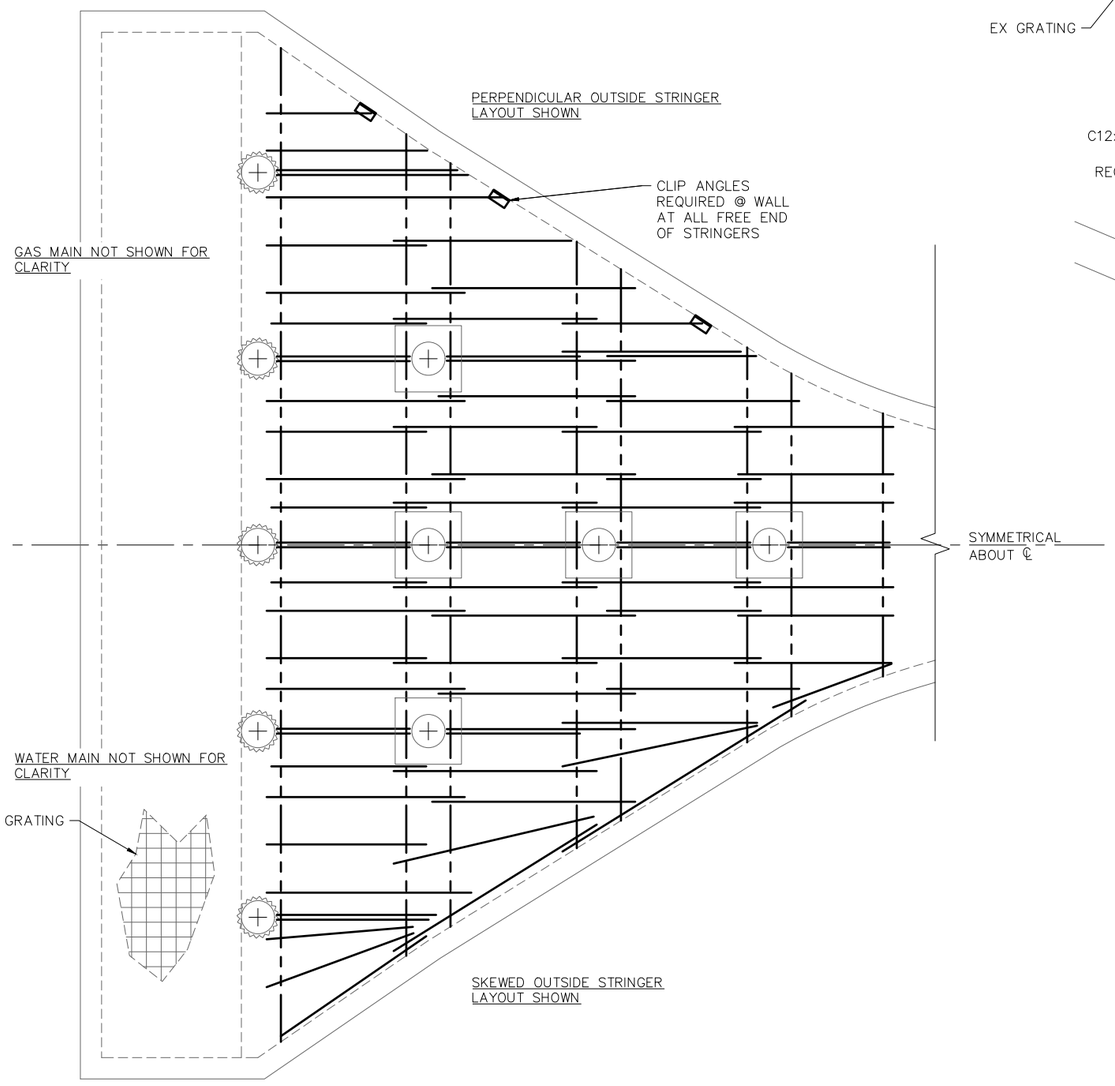
Sheet No:

S1.1

Project No: 16178




NORTH

## TIMBER STRINGER FRAMING PLAN

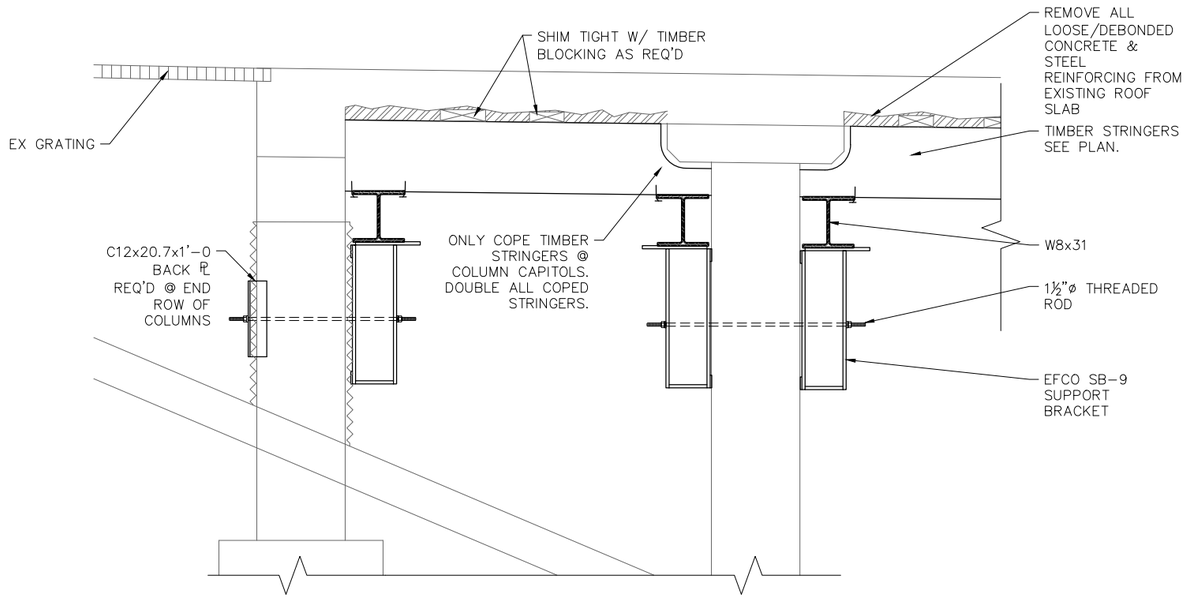
11x17 SCALE: 3/16" = 1'-0"
22x34 SCALE: 3/8" = 1'-0"

TIMBER STRINGER NOTES:

1. STRINGER LAYOUT SHOWN FOR 3X10 STRINGERS @ 2'-0" NOMINAL SPACING. STRINGERS MAY BE CONSTRUCTED USING PROPERLY FASTENED (2) PLY 2X10 DIMENSIONAL LUMBER.
2. TIMBER STRINGERS MAY BE LAP SPLICED OVER ANY BEAM LINE. EVERY OTHER STRINGER SHALL BE CONTINUOUS ACROSS ADJACENT BEAMS ON THE SAME COLUMN.
3. SET STRINGER LINES ON EITHER SIDE OF ALL COLUMN CAPITALS.
4. SET DOUBLED COPED STRINGER LINE AT CENTERLINE OF EACH COLUMN LINE.
5. OUTSIDE LINE OF STRINGERS MAY RUN PERPENDICULAR TO BEAM LINES AND TERMINATE WITH CLIP ANGLES ANCHORS TO STRUCTURE WALLS,
   OR
   OUTSIDE STRINGERS MAY BE SKEWED TO ACCOMMODATE WALL FLARE. SKEWED STRINGERS MUST NOT EXCEED NOMINAL SPACING SHOWN.

ALTERNATE STRINGER MATERIALS AND LAYOUTS TO BE APPROVED BY THE ENGINEER:

1. W8x31 @ 3'-0 NOM.




1 / S1.2 DETAIL @ COLUMNS

11x17 SCALE: 1/2" = 1'-0"
22x34 SCALE: 1" = 1'-0"

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Project Description

DETAILS

FRANKLIN STREET
DRAINAGE STRUCTURE TEMPORARY SHORING
GALENA, ILLINOIS

P:\16\178\DRAWINGS\STRUCTURAL\16178_STR_SHEETS_NATE.DWG 9/7/2016 1:03 PM DAVE SCHWARZ

Drawing Issue Information

Project Mgr: .
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Issued For Construction: .

| Rev | Description | Date | By |
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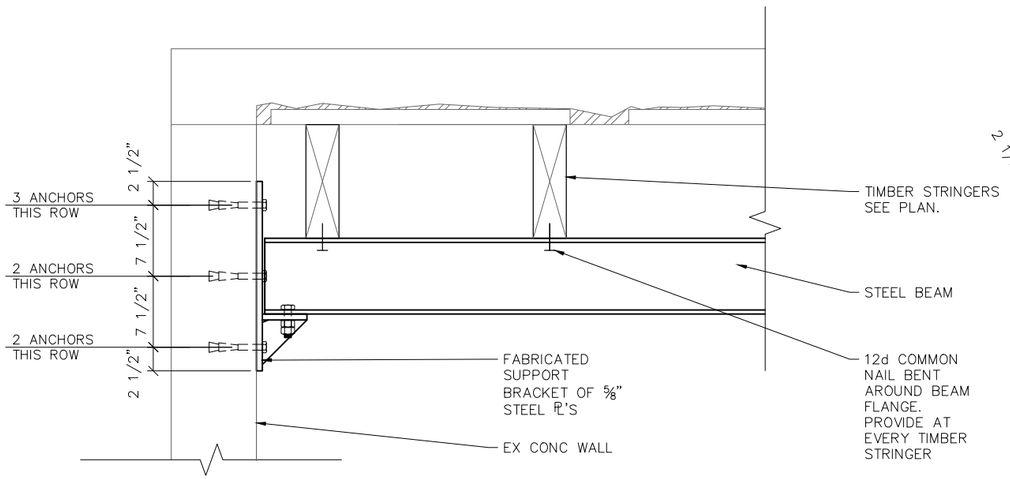
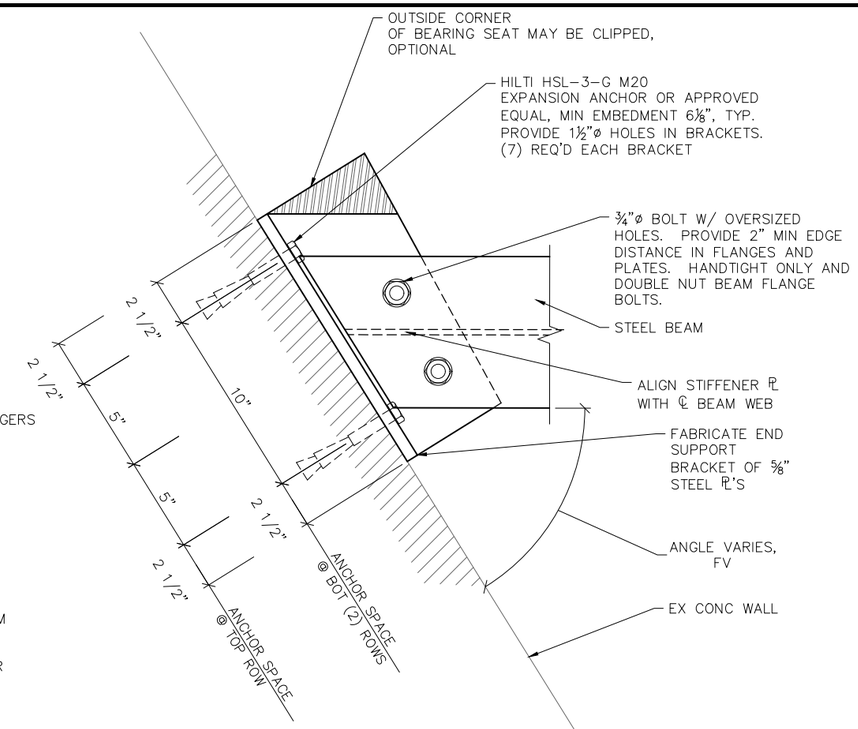
Sheet No:

S1.2

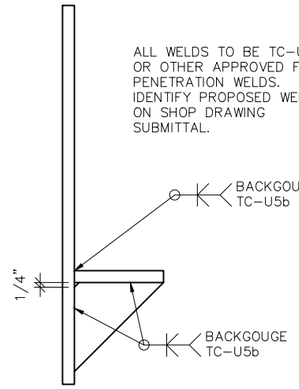
Project No: 16178



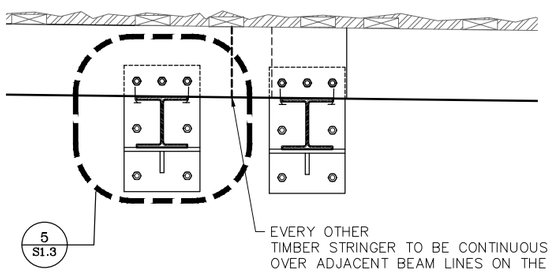

1 S1.3 SECTION
11x17 SCALE: 3/4" = 1'-0"
22x34 SCALE: 1 1/2" = 1'-0"



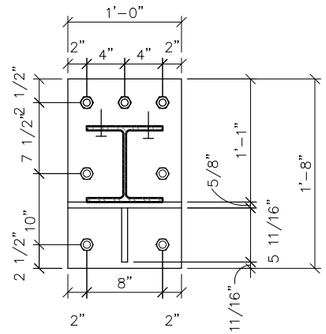

2 S1.3 BEAM END BRACKET @ EX WALLS
11x17 SCALE: 1 1/2" = 1'-0"
22x34 SCALE: 3" = 1'-0"



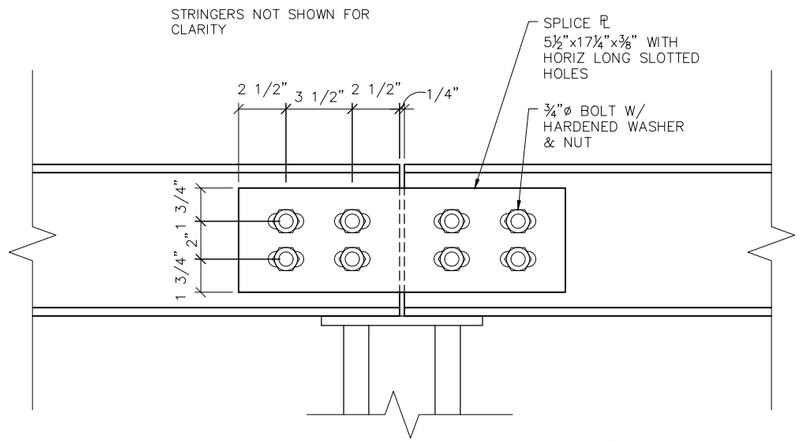

3 S1.3 BRACKET WELD DETAIL
11x17 SCALE: 1 1/2" = 1'-0"
22x34 SCALE: 3" = 1'-0"




4 S1.3 DETAIL @ ENDS
11x17 SCALE: 1/2" = 1'-0"
22x34 SCALE: 1" = 1'-0"




5 S1.3 DETAIL @ ENDS
BEAM END BRACKET DETAIL
11x17 SCALE: 1/2" = 1'-0"
22x34 SCALE: 1" = 1'-0"




6 S1.3 BEAM SPLICE DETAIL
11x17 SCALE: 1 1/2" = 1'-0"
22x34 SCALE: 3" = 1'-0"

NOTE:

SPLICES MUST BE CENTERED OVER SUPPORT BRACKETS.

ONE SIDE OF SPLICE PLATES MAY ALTERNATELY BE WELDED TO BEAM WEB WITH 3/16" FILLET WELDS AROUND PERIMETER OF PLATE.

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Project Description

DETAILS

FRANKLIN STREET
DRAINAGE STRUCTURE TEMPORARY SHORING
GALENA, ILLINOIS

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Sheet No:

S1.3

Project No: 16178

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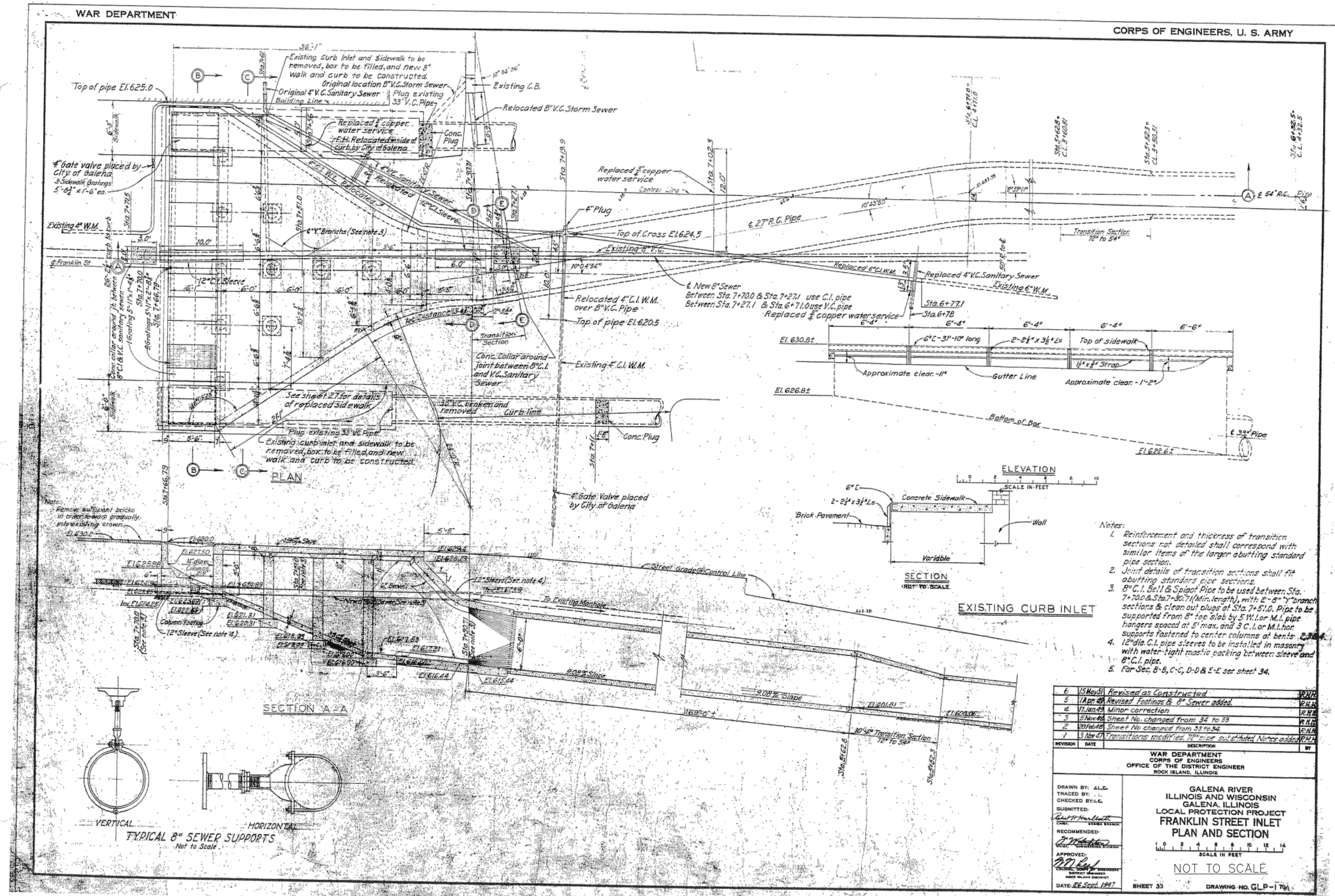


| REVISION | DATE | DESCRIPTION | BY |
|---|---|---|---|
| 6 | 15 May 51 | Revised as Constructed | R.H.H. |
| 5 | 11 Apr 49 | Revised Footings & 8" Sewer added. | R.H.H. |
| 4 | 17 Jan 49 | Minor correction | R.H.H. |
| 3 | 5 Nov 48 | Sheet No. changed from 34 to 33 | R.H.H. |
| 2 | 20 Feb 48 | Sheet No changed from 33 to 34 | R.H.H. |
| 1 | 3 Nov 47 | Transitions modified, 72" pipe substituted Notes added | R.H.H. |

WAR DEPARTMENT
CORPS OF ENGINEERS
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ROCK ISLAND, ILLINOIS

DRAWN BY: A.L.E.
TRACED BY:
CHECKED BY: L.C.
SUBMITTED:
CHIEF, DESIGN BRANCH
RECOMMENDED:
CHIEF, ENGINEERING DIVISION
APPROVED:
COLONEL, CORPS OF ENGINEERS
DISTRICT ENGINEER
ROCK ISLAND DISTRICT
DATE: 26 Sept. 1947

GALENA RIVER
ILLINOIS AND WISCONSIN
GALENA, ILLINOIS
LOCAL PROTECTION PROJECT
FRANKLIN STREET INLET
PLAN AND SECTION

SCALE IN FEET

NOT TO SCALE

SHEET 33 DRAWING NO. GLP-1704


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Project Description

# EXISTING PLAN SHEET

FRANKLIN STREET
DRAINAGE STRUCTURE TEMPORARY SHORING
GALENA, ILLINOIS

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Drawn By:
Issued For Construction:

| Rev | Description | Date | By |
|---|---|---|---|

Sheet No:

E1.1

Project No: 16178

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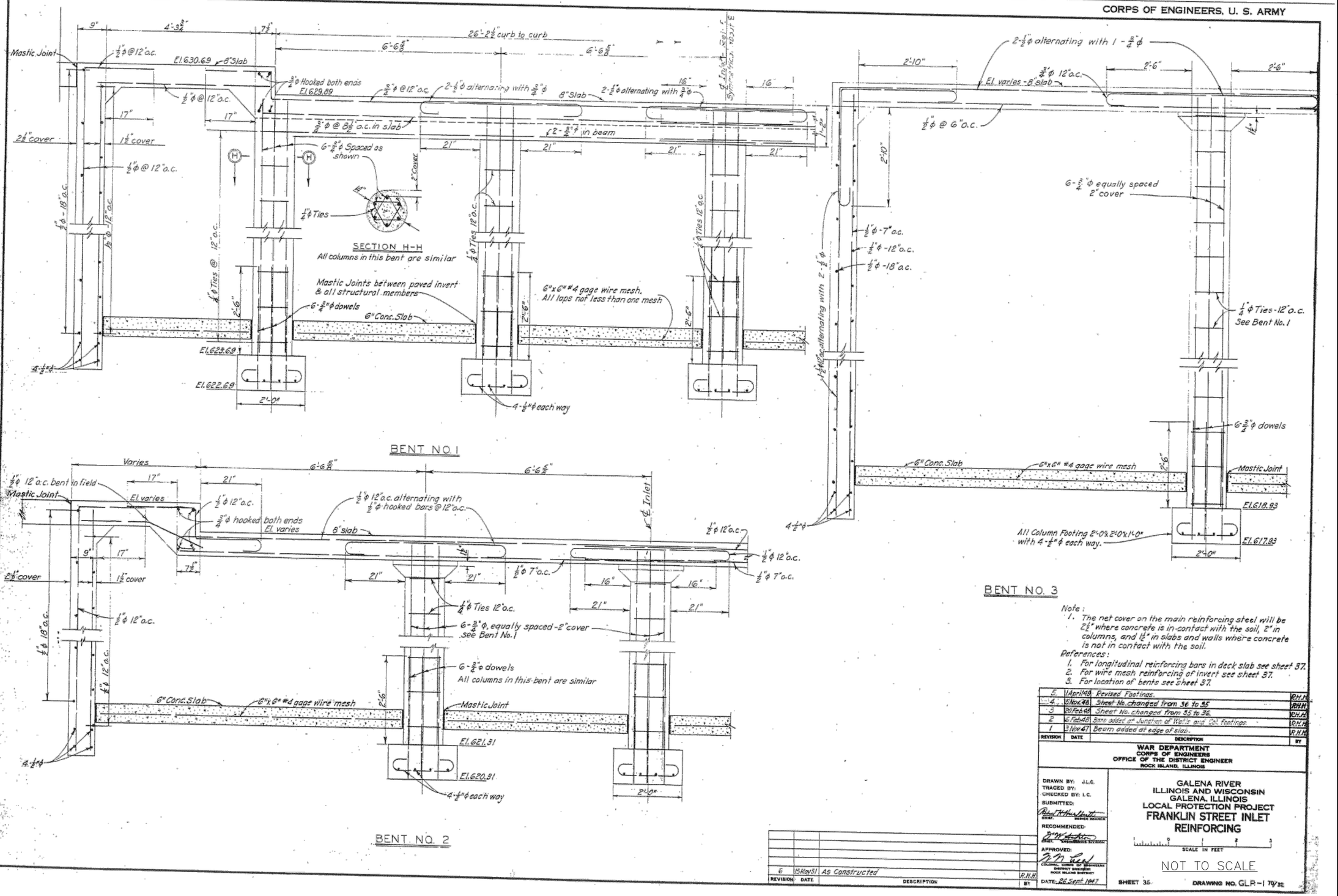


Note :
1. The net cover on the main reinforcing steel will be 2½" where concrete is in contact with the soil, 2" in columns, and 1½" in slabs and walls where concrete is not in contact with the soil.

References :
1. For longitudinal reinforcing bars in deck slab see sheet 37.
2. For wire mesh reinforcing of invert see sheet 37.
3. For location of bents see sheet 37.

| REVISION | DATE | DESCRIPTION | BY |
|---|---|---|---|
| 5 | 1 April 48 | Revised Footings. | P.H.H. |
| 4 | 5 Nov 48 | Sheet No. changed from 36 to 35 | P.H.H. |
| 3 | 20 Feb 48 | Sheet No. changed from 35 to 36. | P.H.H. |
| 2 | 6 Feb 48 | Sand added at Junction of Walls and Col. footings | P.H.H. |
| 1 | 3 Nov 47 | Beam added at edge of slab. | P.H.H. |
| 6 | 15 May 51 | As Constructed | P.H.H. |

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ROCK ISLAND, ILLINOIS

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TRACED BY:
CHECKED BY: I.C.
SUBMITTED:
CHIEF, DESIGN BRANCH
RECOMMENDED:
CHIEF, ENGINEERING DIVISION
APPROVED:
COLONEL, CORPS OF ENGINEERS
DISTRICT ENGINEER
ROCK ISLAND DISTRICT
DATE: 26 Sept 1947

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REINFORCING

SCALE IN FEET 0 1 2 3

NOT TO SCALE

SHEET 35 DRAWING NO. GLP-1 70/22


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EXISTING PLAN SHEET

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FRANKLIN STREET
DRAINAGE STRUCTURE TEMPORARY SHORING
GALENA, ILLINOIS

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Sheet No:

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Project No: 16178

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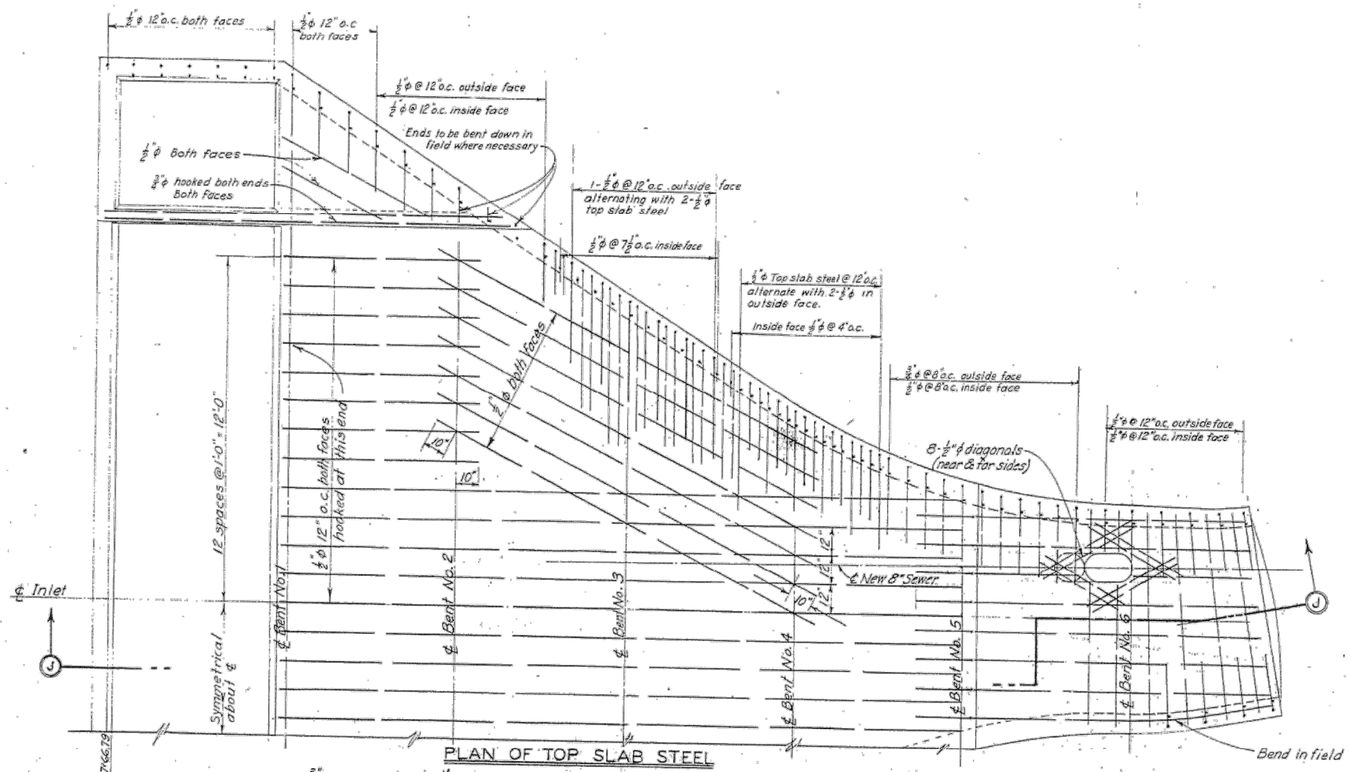


Notes:

1. The net cover on the main reinforcing steel will be 2½" where concrete is in contact with the soil, 2" in columns, and 1½" in slab and walls where concrete is not in contact with the soil.
2. Reinforcing of walls, footings, and columns not shown.

| REVISION | DATE | DESCRIPTION | BY |
|---|---|---|---|
| 5 | 15 May 51 | As Constructed. | R.H.H. |
| 4 | 1 April 49 | Revised footings & Bents No. 5 & 6. | R.H.H. |
| 3 | 5 Nov 48 | Sheet No. changed from 36 to 37. | R.H.H. |
| 2 | 20 Feb 48 | Sheet No. changed from 37 to 36. | R.H.H. |
| 1 | 3 Nov 47 | Section deleted; Transition modified; Slab beam added. | R.H.H. |

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ROCK ISLAND, ILLINOIS

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TRACED BY: J. ..
CHECKED BY: I.C.
SUBMITTED:
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RECOMMENDED:
CHIEF, CONSTRUCTION DIVISION
APPROVED:
COLONEL, CORPS OF ENGINEERS
DISTRICT ENGINEER
ROCK ISLAND DISTRICT
DATE: 26 Sept 1947

GALENA RIVER
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FRANKLIN STREET INLET
REINFORCING

SCALE IN FEET
NOT TO SCALE

SHEET 37 DRAWING NO. GLP-1 70/16


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Project Description

# EXISTING PLAN SHEET

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FRANKLIN STREET
DRAINAGE STRUCTURE TEMPORARY SHORING
GALENA, ILLINOIS

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Sheet No:

**E1.3**

Project No: 16178