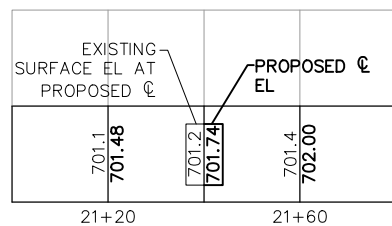


ABBREVIATIONS





























Δ	CENTRAL ANGLE	FD	FLOOR DRAIN	R	RADIUS
A/C	AIR CONDITIONING(ER)	FDN	FOUNDATION	R&R	REMOVE & REPLACE
AC	ACRES	F.E.	FIELD ENTRANCE	R&S	REMOVE & SALVAGE
A.F.F.	ABOVE FINISHED FLOOR	FES	FLARED END SECTION	RCB	REINFORCED CONCRETE BOX
AGG	AGGREGATE	F-F	FACE TO FACE	RCAP	REINFORCED CONCRETE ARCH PIPE
AOH	ARROW ON HYDRANT	FFE	FINISH FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE
ARCH	ARCHITECTURAL	FG	FORM GRADE	RD	ROAD
ASPH	ASPHALT	FIN GR	FINISHED GRADE	REBAR	REINFORCING BAR
AVG	AVERAGE	FL	FLOWLINE	REF	REFERENCE
		FLG	FLANGE	REINF	REINFORCING/REINFORCED
		FLR	FLOOR	REV	REVISION
B-B	B/C - B/C	FM	FORCE MAIN	RIM	RIM ELEVATION
B/C, BOC	BACK OF CURB	FND	FOUND	ROW	RIGHT OF WAY
B/DITCH	BOTTOM OF DITCH	FT	FOOT/FEET	RP	RADIUS POINT
BFP	BACKFLOW PREVENTOR	FTG	FOOTING	RS	RESILIENT SEAT
B/L	BASE LINE	FUT	FUTURE	RT	RIGHT
B/S	BOTTOM OF SLOPE	FV	FIELD VERIFY		
BLDG	BUILDING			S	SOUTH
B.M.	BENCH MARK	G	GUTTER	S=	SUPERELEVATION
BOB	BEGINNING OF PROJECT	GC	GENERAL CONTRACTOR	SAN	SANITARY
BOT	BOTTOM	GALV	GALVANIZED	SANS	SANITARY SEWER
BSMT	BASEMENT	GND	GROUND	SB	SOIL BORING
BV	BUTTERFLY VALVE	GRAN	GRANULAR	SCH	SCHEDULE
		GRD	GRADE	SD	SUB DRAIN
		GV	GATE VALVE	SEC	SECTION
C&G	CURB AND GUTTER			SE'LY	SOUTHEASTERLY
CATV	CABLE TELEVISION	HMA	HOT MIX ASPHALT	SF	SQUARE FOOT
CB	CATCH BASIN	HORIZ	HORIZONTAL	S.F.D.	STEP FOOTING DOWN
C-C	CENTER TO CENTER	HPT	HIGH POINT	SHT	SHEET
CF	CUBIC FEET	HSD	HEADLIGHT STOPPING DISTANCE	SIG.	SIGNAL
CH	CHORD	HYD	HYDRANT	SIM.	SIMILAR
CH BRG	CHORD BEARING			S'LY	SOUTHERLY
CIP	CAST IRON PIPE	ID	INSIDE DIA/INSIDE DIM	SOG	SLAB ON GRADE
C-I-P	CAST-IN-PLACE	IE	INVERT ELEVATION	SPEC	SPECIFICATION
CISP	CAST IRON SOIL PIPE	IMP	IMPROVEMENTS	SS	STAINLESS STEEL
CJ	CONTROL JOINT	IN	INCHES	SSD	STOPPING SIGHT DISTANCE
CL OR CL	CENTERLINE	INV	INVERT	ST	STREET
CLR	CLEAR	IP	IRON PIPE	STA	STATION
CMP	CORRUGATED METAL PIPE			STD	STANDARD
CMU	CONCRETE MASONRY UNIT	JB	JUNCTION BOX	STL	STEEL
CO	CLEAN OUT	JT	JOINT/JOINT LENGTH	STM	STORM
COL	COLUMN			STMS	STORM SEWER
COMP	COMPACTED	K	RATE OF VERT CURVATURE	SWLY	SOUTHWESTERLY
CONC	CONCRETE				SQUARE YARD
CONN	CONNECTION				
CONST	CONSTRUCTION	L	LENGTH OF CURVE	T	TANGENT LENGTH
CONT	CONTINUOUS	LAT	LATERAL	T/B	TOP OF BANK
COR	CORNER	LF	LINEAL FOOT	T/DITCH	TOP OF DITCH
CP	CONTROL POINT	LONG	LONGITUDINAL	T/C, TC	TOP OF CURB
CPE	CORRUGATED POLYETHYLENE PIPE	LP	LIGHT POLE	T/GRAV	TOP OF GRAVEL
CRST	CRUSHED STONE	LPT	LOW POINT	T/WALL	TOP OF WALL
CSP	CORRUGATED STEEL PIPE	LT	LEFT	T/P, TP	TOP OF PAVEMENT
CTRD	CENTERED			T/S	TOP OF SLOPE
CTR	CENTER	MAX	MAXIMUM	T/SUB	TOP OF SUBGRADE
CULT	CULTIVATED	ME	MATCH EXISTING	T/W, TW	TOP OF WALK
CV	CHECK VALVE	MH	MANHOLE	T'WM	TOP OF WATER MAIN
CY	CUBIC YARD	MIN	MINIMUM	T & B	TOP AND BOTTOM
		MISC	MISCELLANEOUS	T.O.B.	TOP OF BEAM
D	DEGREE OF CURVE	MON	MONUMENT	T.O.B.L.	TOP OF BRICK LEDGE
DIA (ø)	DIAMETER	MP	MILE POST	T.O.C.	TOP OF CONCRETE
DIP	DUCTILE IRON PIPE			T.O.E.F.	TOP OF EXISTING FOOTING
DN	DOWN	N	NORTH	T.O.F.	TOP OF FOOTING
DRWY	DRIVEWAY	N/A	NOT APPLICABLE	T.O.M.	TOP OF MASONRY
DS	DOWNSPOUT	NE'LY	NORTHEASTERLY	T.O.P.	TOP OF PIER
DWG(S)	DRAWING(S)	N'LY	NORTHERLY	T.O.S.	TOP OF STEEL
DWL(S)	DOWEL(S)	NO/#	NUMBER	TCE	TEMP CONSTRUCTION EASEMENT
		NIC	NOT IN CONTRACT	TEL	TELEPHONE
E	EAST	NTS	NOT TO SCALE	TEMP	TEMPORARY
E'LY	EASTERLY	NW'LY	NORTHWESTERLY	THK	THICK / THICKNESS
EA	EACH			TWP	TOWNSHIP
EJ	EXPANSION JOINT			TYP	TYPICAL
EL	ELEVATION	OC	ON CENTER		
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER		
ELEV	ELEVATOR			U	UTILITY
EMBED	EMBEDMENT	PC	POINT OF CURVE	UAC	USE AS CONSTRUCTED
ENGR	ENGINEER	PERF	PERFORATED	UE	UTILITY EASEMENT
ENTR	ENTRANCE	PI	POINT OF INTERSECTION	UL	UNDERWRITERS LABORATORIES, INC.
EOP	END OF PROJECT	P/L	PROPERTY LINE	ULFM	UNDERWRITERS LABORATORIES FACTORY MUTUAL
EOR	END OF RADIUS	PM	PRINCIPAL MERIDIAN	UNO	UNLESS NOTED OTHERWISE
E/P	EDGE OF PAVEMENT	POB	POINT OF BEGINNING		
EQ	EQUAL	POC	POINT OF CURVE		
E/S	EDGE OF SHOULDER	POT	POINT OF TANGENT	VAR	VARIES
ESMT	EASEMENT	PRC	POINT OF REVERSE CURVE	VC	VERTICAL CURVE
EST	ESTIMATE	PRELIM	PRELIMINARY	VCP	VITRIFIED CLAY PIPE
EX	EXISTING	PROP	PROPOSED	VER	VERIFY
EXC	EXCAVATE/EXCAVATION	PRV	PRESSURE REDUCING VALVE	VERT	VERTICAL
EXP	EXPANSION	PT	POINT OF TANGENCY	VOL	VOLUME
EXT	EXTERIOR	PVC	POLYVINYL CHLORIDE	VPC	VERT POINT OF CURVE
EXTD	EXTEND	PVMT	PAVEMENT	VPI	VERT POINT OF INTERSECTION
EW	EACH WAY			VPT	VERT POINT OF TANGENCY
		QTY	QUANTITY		



LEGEND

EXISTING		PROPOSED		EXISTING		PROPOSED	
	PROPERTY LINE				CATCH BASIN		
	EASEMENT				AREA INTAKE		
	SECTION LINE				STORM MANHOLE		
	QUARTER SECTION LINE				SANITARY MANHOLE		
	QUARTER QUARTER SECTION LINE				UTILITY MANHOLE		
	CENTERLINE				WATER VALVE MANHOLE		
	STORM SEWER				FIRE HYDRANT		
	SUB DRAIN				WATER SHUT OFF		
	SANITARY SEWER				WATER VALVE		
	FORCE MAIN				YARD HYDRANT		
	WATER LINE				GAS VALVE		
	GAS LINE				SIGN		
	OVERHEAD ELECTRIC				UTILITY POLE		
	UNDERGROUND ELECTRIC				UTILITY POLE WITH LIGHT		
	OVERHEAD TELEPHONE				TRAFFIC SIGNAL POLE		
	UNDERGROUND TELEPHONE				GUY ANCHOR		
	OVERHEAD TELEVISION				LIGHT POLE		
	UNDERGROUND TELEVISION				UTILITY PEDESTAL		
	FIBER OPTIC				WELL		
	WIRE FENCE				MAILBOX		
	CHAINLINK FENCE				WATER LEVEL		
	WOOD FENCE				BOLLARD		
	CONTOUR LINE				SOIL BORING		
	RAILROAD TRACKS				POST INDICATOR VALVE		
	GUARD RAIL				DECIDUOUS TREE W/ TRUNK DIA.		
	SPOT ELEVATION				CONIFEROUS TREE W/ TRUNK DIA.		
	DIRECTION OF FLOW				SHRUB OR BUSH		
	TREE LINE						

EROSION CONTROL LEGEND

TEMPORARY		TEMPORARY		PERMANENT		PERMANENT	
— SF —	PERIMETER CONTROL (STRAW WATTLES, FILTER SOCKS & SILT FENCE ARE GENERALLY INTERCHANGEABLE)		ROLLED EROSION CONTROL PRODUCT (RECP) PER PLAN		SEEDING		VEGETATIVE STREAMBANK STABILIZATION
	CONCRETE WASHOUT		STREAM CROSSING		SODDING		STRUCTURAL STREAMBANK STABILIZATION
	CONSTRUCTION ENTRANCE	— CRS —	CONSTRUCTION ROAD STABILIZATION		SEED, FERTILIZER & MULCH	— RR — 	RIP RAP LINED CHANNEL
	MULCHING	→ TD —	TEMPORARY DIVERSION		OUTLET PROTECTION	— GL — 	GRASS LINED CHANNEL (_____) MATERIAL REQUIRED
	SEEDING		LEVEL SPREADER		REVETMENT SLOPE PROTECTION		
	COMPOST BLANKET				SOD DROP INLET PROTECTION		
	DITCH CHECK (ROCK DAM)			— CD — 	CHECK DAM		
	SEDIMENT TRAP			— SC — 	STONE CHECK		
	INLET PROTECTION				SEDIMENT BASIN		
	DUST CONTROL				SURFACE ROUGHENING		
					TRM REINFORCEMENT MAT (TRM)		
				— SD — 	SLOPE DRAIN		
				→ PD —	PERMANENT DIVERSION		
				— T —	LEVEL SPREADER		

SURVEY

■ FOUND REBAR

SURVEY

- FOUND REBAR
- FOUND IRON PIPE
- SET REBAR

ALL CONSTRUCTION SHALL BE PER APPLICABLE SECTIONS OF THE LATEST EDITION OF ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATIONS AND STANDARD PLANS, STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, AND ILLINOIS DOT UTILITY ACCOMMODATION REQUIREMENTS, EXCEPT AS MODIFIED OR SUPERCEDED BY THESE PLANS. THE SECTIONS APPLICABLE TO THESE PLANS INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK WITH THE OWNER.
2. THE CONTRACTOR AGREES THAT IT AND ITS REPRESENTATIVES HAVE VISITED THE SITE AND ARE FAMILIAR WITH THE EXISTING CONDITIONS, AND THE CONTRACTOR AGREES THAT THE EXISTING CONDITIONS ARE ACCURATELY REPRESENTED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE CONDITIONS REPRESENTED.
3. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR ENSURING THAT THE LATEST REVISION OF THE APPROVED PLANS AND CONTRACT DOCUMENTS INCLUDING ADDENDAS ARE AT THE PROJECT SITE AT ALL TIMES AND BEING USED APPROPRIATELY.
4. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH CURRENT IDOT AND MUTCD STANDARDS.
5. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION FROM RECORD INFORMATION OBTAINED FROM SOURCES OF VARYING RELIABILITY AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. EXISTENCE, LOCATION, DEPTH, SIZE OR MATERIAL MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND ENGINEER DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF ALL EXISTING UTILITIES AND SHALL CONTACT ONE CALL PRIOR TO COMMENCING WORK. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL EXISTENCE, LOCATION, DEPTH, SIZE AND MATERIAL OF UNDERGROUND UTILITIES OR OTHER FACILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED AS A RESULT OF THEIR FAILURE TO LOCATE EXISTING UTILITIES AND FACILITIES PRIOR TO COMMENCING WORK. THE ENGINEER MAKES NO GUARANTEE, AND NO WARRANTY IS IMPLIED, REGARDING THE ACCURACY OR COMPLETENESS OF INFORMATION SHOWN FOR EXISTING UTILITIES AND IMPROVEMENTS.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF ANY FIELD CONFLICTS OR CHANGES IN CONDITIONS. FAILURE TO DO SO UPON DISCOVERY WILL VOID CLAIMS FOR COMPENSATION AS EXTRA WORK FOR THAT WHICH COULD HAVE BEEN MITIGATED HAD THE ENGINEER BEEN NOTIFIED AT TIME OF DISCOVERY.
7. ANY PROPOSED REVISIONS TO THESE PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER, PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT AUTHORIZATION FROM THE ENGINEER OR CITY, WHERE APPLICABLE. ANY DEVIATIONS OR CHANGES IN THESE PLANS WITHOUT OFFICIAL APPROVAL OF THE DESIGN ENGINEER SHALL ABSOLVE THE DESIGN ENGINEER OR CITY OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION OR CHANGE.
8. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.

EROSION CONTROL

1. PROVIDE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS. INSPECT, REPAIR, AND MAINTAIN EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.
2. THE CONTRACTOR SHALL TAKE PREVENTATIVE MEASURES TO CONTROL AIRBORNE DUST AND SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM A FAILURE TO DO SO.
3. THE CONTRACTOR SHALL KEEP ADJACENT STREETS CLEAN AND FREE OF DIRT OR DEBRIS AT ALL TIMES AND REMOVE ANY TRACKED MUD FROM THE STREET IMMEDIATELY. ALL COSTS FOR SUCH SHALL BE INCLUDED IN THE CONTRACT PRICE AND ANY ADDITIONAL COSTS, FEES OR FINES RESULTING FROM FAILURE TO DO SO SHALL BE PAID BY THE CONTRACTOR.
4. CLEARING AND GRUBBING: REMOVE OBSTRUCTIONS, TREES, SHRUBS, GRASS, AND OTHER VEGETATION AS INDICATED OR AS NECESSARY TO COMPLETE THE WORK. GRIND STUMPS AND REMOVE ROOTS AND OBSTRUCTIONS TO A MINIMUM DEPTH OF 18 INCHES BELOW THE SURFACE.
5. TOPSOIL STRIPPING: REMOVE SOD AND GRASS BEFORE STRIPPING. STRIP TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED AND STOCKPILE AWAY FROM EDGE OF EXCAVATION.
6. TOPSOIL REPLACEMENT: REPLACE TOPSOIL TO A MINIMUM DEPTH OF 4" OVER ALL DISTURBED AREAS.

EARTHWORK AND TRENCHING

1. COMPLY WITH APPLICABLE PROVISIONS OF IDOT SPECIFICATIONS AND DOCUMENTS, DIVISION 200 – EARTHWORK, LANDSCAPING, AND EROSION CONTROL.
2. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND/OR SHEETED SO THAT THE EARTH WILL NOT SLIDE NOR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE TO ADJACENT IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NECESSARY REPAIRS OR REPLACEMENTS SHALL BE A THE CONTRACTOR'S OWN EXPENSE.
3. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, EROSION AND SEDIMENTATION CONTROL, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT UNDERMINING, WASHOUT, AND OTHER HAZARDS CAUSED BY EARTHWORK/TRENCHING OPERATIONS. CONTRACTOR RESPONSIBLE FOR REPAIRS TO DAMAGED SURFACES.
4. EXCAVATIONS SHALL COMPLY WITH THE FOLLOWING:
 - A. ALL EXCAVATIONS SHOULD COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART P, "EXCAVATIONS AND TRENCHES" AND OTHER APPLICABLE CODES.
 - B. EXCAVATE TO DIMENSIONS AND ELEVATIONS INDICATED OR AS NECESSARY TO MAKE THE PROPOSED IMPROVEMENTS.
 - C. UTILITY TRENCHES: TRENCHES SHALL FOLLOW THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS AND THE SPECIAL PROJECT REQUIREMENTS.
5. PLACE BACKFILL ON SUBGRADES FREE OF MUD, FROST, SNOW OR ICE. PLACE AND COMPACT BACKFILL IN EXCAVATIONS PROMPTLY.
6. PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
7. SUBBASE AND BASE COURSE: SHAPE SUBBASE AND BASE COURSE TO REQUIRED CROWN ELEVATIONS AND CROSS-SLOPE GRADES. FOR SUBBASE OR BASE COURSES LESS THAN 6

INCHES, PLACE IN COMPACTED THICKNESS IN A SINGLE LAYER; FOR SUBBASE OR BASE COURSES GREATER THAN 6 INCHES IN COMPACTED THICKNESS, PLACE IN MULTIPLE LAYERS OF EQUAL THICKNESSES, WITH NO COMPACTED LAYER LESS THAN 3 INCHES OR GREATER THAN 6 INCHES.

8. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER TO OBTAIN SAMPLES AND PERFORM LABORATORY DENSITY TESTING AND TO CONDUCT TESTS AS REQUIRED. COMPACTION REQUIREMENTS ARE SUBJECT TO ADJUSTMENT DEPENDING UPON THE MATERIAL DENSITY.
9. LEGALLY DISPOSE OF SURPLUS MATERIAL AND WASTE MATERIALS OFF OWNER'S PROPERTY UNLESS OTHERWISE APPROVED BY THE CITY AND ENGINEER.

GRANULAR SURFACING

1. GRANULAR SURFACING INCLUDING GRANULAR SHOULDER AND GRANULAR DRIVEWAYS SHALL BE PLACED IN ACCORDANCE WITH ILLINOIS DOT SECTION 402 TYPE A OR TYPE B PLACEMENT.
2. GRANULAR SURFACING MATERIAL SHALL BE ILLINOIS DOT COARSE AGGREGATE GRADATION CA10, OR ENGINEER APPROVED EQUIVALENT.
3. GRANULAR SURFACING SHALL BE PLACED AT A MINIMUM THICKNESS OF 8 INCHES AND MATCH EXISTING ELEVATIONS UNLESS OTHERWISE NOTED.

WATER MAIN

THE FOLLOWING ARE SPECIAL PROJECT REQUIREMENTS FOR THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS RELATIVE TO THIS PROJECT.

UTILITIES TO BE INSTALLED FOR THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TECHNICAL PROVISIONS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (7TH EDITION, JUNE 2014), EXCEPT AS MODIFIED BY THE FOLLOWING SPECIAL PROJECT REQUIREMENTS. A COPY OF THE CURRENT STANDARD SPECIFICATIONS MAY BE OBTAINED FROM THE ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS (217-544-7424).

ADDITIONAL REQUIREMENTS, MEASUREMENT AND PAYMENT INFORMATION FOR THE PROJECT SHALL BE IDENTIFIED IN THE BID ITEM NOTES FOR THE PROJECT INCLUDED ON PLAN SHEET G0.04 AND G0.05.

SPECIAL PROJECT REQUIREMENTS

SECTION 20. EXCAVATION AND BACKFILL FOR PIPES

- | | |
|-------------------|--|
| 20-3.01
& 3.02 | BEDDING, HAUNCHING AND INITIAL BACKFILL FOR THE WATER MAIN CONSTRUCTION SHALL CONSIST OF SELECT GRANULAR MATERIAL STONE GRADATION CA-6, CA-7, CA-9, CA-10, CA-18, OR ENGINEER APPROVED EQUIVALENT AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY, IF UNDER OR WITHIN 5 FT OF EXISTING OR PROPOSED PAVEMENT OR GRANULAR SURFACING. ALL PVC GRAVITY SEWER SHALL BE INSTALLED ON A MINIMUM OF 6 INCHES OF IMPORTED EMBEDMENT MATERIAL BELOW THE PIPE (BEDDING). HAUNCHING AND INITIAL BACKFILL SHALL BE IMPORTED EMBEDMENT MATERIAL, CONSISTING OF SCREEN CRUSHED STONE IN ACCORDANCE WITH IDOT STONE GRADATION CA-7, OR ENGINEER APPROVED EQUIPMENT. FOUNDATION STONE: FOUNDATION STONE, IF NEEDED, FOR GRAVITY SEWER OR WATER MAIN SHALL BE CRUSHED STONE ONLY, OF AN APPROPRIATE SIZE. FOUNDATION STONE PAYMENT WILL ONLY BE MADE IF THE CONTRACTOR OBTAINS PRIOR AUTHORIZATION FROM THE ENGINEER FOR THE USE OF FOUNDATION STONE. FOUNDATION STONE SHALL BE ILLINOIS DOT GRADATION CA2 OR CA4 OR ALTERNATE GRADATION (3 INCH MAXIMUM AS APPROVED BY THE ENGINEER. |
| 20-3.03 | FINAL BACKFILL MATERIAL SHALL BE SELECT GRANULAR MATERIAL. SELECT GRANULAR MATERIAL SHALL BE IN ACCORDANCE WITH IDOT CA-6, CA-7, CA-9, CA-10 OR CA-18 OR ENGINEER APPROVED EQUIVALENT. |
| 20-4.01 | SURFACE REMOVAL WORK SHALL BE NECESSARY FOR SAFE TRENCHING AND SHALL BE INCIDENTAL TO OTHER WORK, UNLESS NOTED ELSEWHERE. THE CONTRACTOR SHALL SALVAGE, STORE AND REPLACE TOPSOIL IN ALL EXISTING AREAS. |
| 20-4.04 | THE CONTRACTOR SHALL PROVIDE ADEQUATE DEWATERING OF THE TRENCHES TO ALLOW FOR PROPER INSTALLATION OF THE PROPOSED IMPROVEMENTS. DEWATERED WATER SHALL NOT BE DISPOSED OF IN ANY SANITARY SEWER LINES. |
| 20-4.05 | ALL BEDDING AND HAUNCHING MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY. IN LOCATIONS WHERE ROCK IS ENCOUNTERED THE ROCK SHALL BE REMOVED TO THE DEPTHS INDICATED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL UTILIZE SELECT GRANULAR MATERIAL TO REPLACE FOUNDATION, BEDDING, HAUNCHING, INITIAL AND FINAL BACKFILL TO THE EXTENT OF WHERE ROCK EXCAVATION OCCURS. |
| 20-4.06 | INITIAL AND FINAL BACKFILL MATERIAL FOR THE PROPOSED UTILITIES SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY. FINAL BACKFILL SHALL BE COMPACTED PER METHOD 1. IN LOCATIONS WHERE ROCK IS ENCOUNTERED THE ROCK SHALL BE REMOVED TO THE DEPTHS INDICATED IN THE SPECIFICATIONS OR PLANS. THE CONTRACTOR SHALL UTILIZE SELECT GRANULAR MATERIAL TO REPLACE FOUNDATION, BEDDING, HAUNCHING, INITIAL AND FINAL BACKFILL TO THE EXTENT OF WHERE ROCK EXCAVATION OCCURS. |

SECTION 21. RESTORATION OF SURFACES

- 21-2.03B THE BASE REPLACEMENT SHALL BE A MINIMUM TEN (10) INCH COMPACTED THICKNESS OR MATCH EXISTING COMPACTED THICKNESS, WHICHEVER IS GREATER. BASE REPLACEMENT SHALL CONFORM TO C6 OR C10 AS DESCRIBED IN THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
- 21-2.03D THE BASE REPLACEMENT SHALL CONSIST OF A MINIMUM TEN (10) INCHES OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER. BASE REPLACEMENT SHALL CONFORM TO C6 OR C10 AS DESCRIBED IN THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
- HMA LEVELING BINDER COURSE SHALL BE N50 PER ILLINOIS DOT REQUIREMENTS. HMA SURFACE COURSE SHALL BE MIX C, N50 PER ILLINOIS DOT REQUIREMENTS.
- CONTRACTOR SHALL CLEAN AND PRIME VERTICAL SURFACES TO ABUT HMA PRIOR TO PAVING.
- PRIMER TO BE PLACED ON SUBBASE PRIOR TO PLACEMENT OF HMA BINDER COURSE.
- TACK BETWEEN LIFTS ONLY IF SUBSEQUENT LIFTS DO NOT IMMEDIATELY FOLLOW THE LOWER LIFT AND/OR THE SURFACE OF THE LOWER LIFT BECOMES DIRTY.

21-2.03F THE BASE REPLACEMENT SHALL BE A MINIMUM SIX (6) INCH OF COMPACTED THICKNESS FOR DRIVEWAYS, CURB, AND CURB AND GUTTER. THE BASE REPLACEMENT SHALL BE A MINIMUM OF FOUR (4) INCH OF COMPACTED THICKNESS FOR SIDEWALK. THE BASE REPLACEMENT SHALL CONFORM TO CA6 OR CA10 AS DESCRIBED IN THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."

- 21-2.05 NO SODDING REQUIRED. USE CLASS 1A SEED MIX FOR LAWNS AND HIGHWAY DITCHES. SPRING SEEDING SHALL BE APRIL 1 TO JUNE 15. FALL SEEDING SHALL BE AUGUST 1 TO OCTOBER 30, UNLESS OTHERWISE APPROVED. ALTERNATE SEED MIXTURES WILL BE CONSIDERED BY THE ENGINEER. ALL SEEDED AREAS SHALL BE MULCHED WITH CEREAL GRAIN MULCH FREE FROM NOXIOUS WEEDS. MULCH SHALL BE APPLIED AT A RATE OF 70 TO 90 POUNDS PER 1,000 SF. MULCH SHALL BE ANCHORED INTO THE SOIL USING MULCH ANCHORING EQUIPMENT DESIGNED TO ANCHOR THE MULCH INTO THE SOIL BY MEANS OF DULL BLADES OR DISKS WITH A MINIMUM OF TWO PASSES. MULCH SHALL NOT BE PLACED WITH WINDS IN EXCESS OF 15 MPH UNLESS OTHERWISE APPROVED.

SECTION 30. PIPE MATERIALS FOR SANITARY SEWER MAINS

30-4.04A PVC GRAVITY SEWER MAIN SHALL BE SDR 35, UNLESS ENGINEER APPROVED. JOINTS IN THE PVC GRAVITY SEWER SHALL BE FLEXIBLE ELASTOMERIC SEAL TYPE, SOLVENT WELDED JOINTS WILL NOT BE ACCEPTABLE FOR USE ON THIS PROJECT.

SECTION 31. PIPE LAYING, JOINTING, AND TESTING

31-1 PVC SANITARY SEWER SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIAL PROVISIONS AND DETAILS INCLUDED IN THE PLAN SET.

CONSTRUCTION RECORDS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONSTRUCTION RECORDS INCLUDING MEASUREMENTS BETWEEN FITTINGS, BETWEEN FITTINGS AND VALVES, BETWEEN FITTINGS AND STRUCTURES AND CURB STOPS AND EXISTING CONDITIONS. COPIES OF CONSTRUCTION RECORDS SHALL BE PROVIDED TO THE ENGINEER.

SECTION 32. MANHOLES AND STRUCTURES FOR SANITARY SEWERS

32-4 GRAVITY SEWER MANHOLES SHALL HAVE ECCENTRIC CONE TOPS. MANHOLES SHALL HAVE INTEGRALLY PRECAST BASES WITH THE BOTTOM SIDEWALL SECTION AND THE MANHOLES SHALL HAVE INTERNAL CHIMNEY SEALS INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

32-8 PIPE CONNECTIONS TO THE MANHOLES SHALL CONSIST OF APPROPRIATELY SIZED A-LOK OR ENGINEER APPROVED EQUIVALENT.

SECTION 33. SEWER SERVICES

- 33-2 THE PVC GRAVITY SEWER LATERALS SHALL BE 4 INCH IN SIZE.
- 33-4 THE PVC GRAVITY SEWER LATERAL TO CONNECT THE BUILDING SEWER TO THE PROPOSED GRAVITY SEWER SERVICE SHALL BE 4 INCH SDR 26, UNLESS ENGINEER APPROVED. JOINTS IN THE PVC GRAVITY SEWER SERVICE SHALL BE FLEXIBLE ELASTOMERIC SEAL TYPE, SOLVENT WELDED JOINTS WILL NOT BE ACCEPTABLE FOR USE ON THIS PROJECT. CONNECTIONS TO EXISTING GRAVITY SEWER LATERAL SHALL CONSIST OF APPROPRIATELY SIZED FLEXIBLE COUPLINGS SECURELY CONNECTED TO THE EXISTING AND PROPOSED SEWER LATERALS.
- 33-5.04 ANY FITTINGS FOR GRAVITY SEWER SHALL CONSIST OF SDR 26 WITH FLEXIBLE ELASTOMERIC JOINTS.

SECTION 40. PIPE FOR WATER MAINS AND SERVICE CONNECTIONS

40-2.01B ALL FIRE HYDRANT LEADS SHALL BE THICKNESS CLASS 52 DUCTILE IRON PIPE. HYDRANT LEADS SHALL BE FROM WATER MAIN TEE TO VALVE TO HYDRANT. ALL JOINTS BETWEEN THE TEE AND HYDRANT SHALL BE RESTRAINED.

JOINTS SHALL CONFORM TO AWWA C111 (MECHANICAL OR PUSH-ON). MECHANICAL JOINT RESTRAINTS SHALL BE AMERICAN MADE AND SHALL BE MANUFACTURED BY EBAA TYLER OR APPROVED ALTERNATE.

ALL DUCTILE IRON PIPE SHALL BE WRAPPED IN POLYETHYLENE ENCASEMENT ACCORDING TO AWWA C104.

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|------------|--|
| 40-2.01C | ALL PVC WATER MAIN SHALL BE PRESSURE CLASS 235 DR18 PVC PER AWWA C900. JOINTS SHALL BE ELASTOMERIC GASKET. MECHANICAL JOINT RESTRAINTS SHALL BE AMERICAN MADE AND SHALL BE MANUFACTURED BY EBAA, TYLER OR APPROVED ALTERNATE. RESTRAINED PUSH-ON JOINTS SHALL BE ACCOMPLISHED WITH AMERICAN MADE PUSH-ON JOINT RESTRAINTS WITH A STAINLESS STEEL SPLIT RING ASSEMBLY BOLT AND NUT. |
| 40-2.02 | ALL JOINTS IN WATER MAIN AND HYDRANT LEADS SHALL BE RUBBER GASKET TYPE UNLESS INDICATED OTHERWISE ON INDIVIDUAL PLAN SHEETS. |
| 40-2.05A/B | ALL WATER MAIN FITTINGS SHALL BE COMPACT DUCTILE IRON PER AWWA C153 WITH MECHANICAL JOINTS PER AWWA C111 AND MORTAR LINED. FITTINGS SHALL BE MADE IN THE USA. |

40-2.06A/B WATER SERVICES SHALL BE MADE OF POLYETHYLENE. POLYETHYLENE WATER SERVICE LINES SHALL BE CTS AND SHALL HAVE A WORKING PRESSURE RATING OF 200 PSI.

- 40-2.06C ALL SERVICES SHALL HAVE TAPPING SADDLES INSTALLED FOR C900 PVC PIPE. TAPPING SADDLES SHALL HAVE AWWA (CC) OUTLETS.
- ALL CORPORATION STOPS SHALL COMPLY WITH AWWA C800 AND BE BALL TYPE RATED FOR 300 PSI. CORPORATION STOPS FOR POLYETHYLENE PIPE SHALL HAVE AWWA BY GRIP RING COMPRESSION CONNECTIONS WITH STAINLESS STEEL INSERT STIFFENER. CORPORATION STOPS SHALL BE A.Y. MCDONALD 747013Q OR ENGINEER APPROVED ALTERNATE WITH THE PROPER COMPRESSION CONNECTION STYLE FOR THE PROPOSED SERVICE LINE.
- ALL CURB STOPS SHALL COMPLY WITH AWWA C800 AND BE BALL TYPE RATED FOR 300 PSI AND HAVE MINNEAPOLIS PATTERN. CONNECTIONS WITH STAINLESS STEEL INSERT STIFFENER. CURB STOP SHALL BE A.Y. MCDONALD 761043Q OR ENGINEER APPROVED ALTERNATE WITH PROPER COMPRESSION STYLE CONNECTION FOR THE PROPOSED SERVICE LINE MATERIAL.
- THE CURB BOXES SHALL BE MINNEAPOLIS PATTERN A.Y. MCDONALD MODEL 5614A OR

ENGINEER APPROVED ALTERNATE.

CONNECTIONS BETWEEN THE PROPOSED WATER SERVICES AND THE EXISTING SERVICES SHALL BE MADE WITH APPROPRIATELY SIZED COMPRESSION TYPE LOW LEAD BRASS COUPLINGS. THE CONTRACTOR WILL BE REQUIRED TO DETERMINE THE SIZE AND MATERIAL TYPE OF THE EXISTING WATER PIPING EXITING EACH BUILDING TO DETERMINE THE APPROPRIATE CONNECTION TYPE AND SIZE COUPLING REQUIRED.



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GENERAL SPECIAL PROVISIONS

CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
P-1221117 DRAWINGS (DWG) 22111 77 00 G.DWG 7/19/2022 2:44 PM REYSON, WINSKY

Drawing Issue Information					
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Issued For Bidding: 07-15-22 Issued For Construction: ..					
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Rev	Description	Date	By		

Sheet No:

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Project No: 22112

30	SANITARY MANHOLE FRAME & COVER	1	EA	UNIT PRICE INCLUDES, BUT IS NOT LIMITED TO, FURNISHING AND INSTALLING THE FRAME AND COVER INCLUDING CHIMNEY SEAL.
31	SANITARY SEWER MANHOLE SIDEWALL, 48" ID	7.5	VF	MEASUREMENT FOR SANITARY SEWER MANHOLE SIDEWALL WILL BE MEASURED BY THE VERTICAL FOOT OF MANHOLE INSTALLED MEASURED FROM THE DEEPEST FLOWLINE TO THE FINAL RIM ELEVATION. UNIT PRICE INCLUDES, BUT IS NOT LIMITED TO, FURNISHING AND INSTALLING MANHOLE SIDEWALL, INCLUDING REQUIRED JOINT GASKETS AND ACCESSORIES AS REQUIRED, EXCAVATION AND BACKFILLING.
32	SELECT TRENCH BACKFILL, SANITARY SEWER	260	LF	MEASUREMENT FOR THE SELECT TRENCH BACKFILL WILL BE ALONG THE CENTERLINE OF THE SANITARY SEWER MAIN AND SANITARY SEWER SERVICES WHERE SELECT TRENCH BACKFILL IS REQUIRED. UNIT PRICE INCLUDES, BUT IS NOT LIMITED TO, FURNISHING, HAULING, AND PLACING BACKFILL MATERIAL.
33	15" RCP STORM SEWER	45	LF	STORM SEWER REINFORCED CONCRETE PIPE SHALL BE CONFORMING TO ASTM C76 WITH ASTM C443 FLAT GASKET JOINTS OR ASTM C361 "O-RING" JOINTS. MEASUREMENT: MEASUREMENT OF STORM SEWER SHALL BE FROM END OF PIPE OR TO FRONT FACE OF STRUCTURE, EXCLUSIVE OF APRONS. UNIT PRICE INCLUDES, BUT NOT LIMITED TO, TRENCH EXCAVATION, DEWATERING, FURNISHING AND INSTALLING PIPE, FURNISHING AND PLACING, COMPACTING BEDDING AND BACKFILL MATERIAL, JOINT WRAPPING, PIPE JOINTS.
34	15" RCP FES	2	EA	UNIT PRICE INCLUDES, BUT NOT LIMITED TO, TRENCH EXCAVATION, DEWATERING, FURNISHING AND INSTALLING PIPE, FURNISHING, PLACING AND COMPACTING BEDDING AND BACKFILL MATERIAL, JOINTS.
35	STORM SEWER INTAKE - MEDIAN STYLE 54256-01	1	EA	UNIT PRICE INCLUDES, BUT IS NOT LIMITED TO, EXCAVATION, FURNISHING AND INSTALLING STRUCTURE, FURNISHING, PLACING AND COMPACTING BEDDING AND BACKFILL MATERIAL, CONCRETE FILLETS, PIPE CONNECTIONS, CASTINGS AND ADJUSTING RINGS.
36	STORM INTAKE - 101-B STYLE	1	EA	UNIT PRICE INCLUDES, BUT NOT LIMITED TO, EXCAVATION, FURNISHING, PLACING, AND COMPACTING BEDDING AND BACKFILL MATERIAL, BASE, STRUCTURAL CONCRETE, REFORCING STEEL, PRECAST UNITS (IF USED), CONCRETE FILLETS, PIPE CONNECTIONS, CASTINGS AND ADJUSTMENT RINGS.
37	RIP RAP	30	TON	RIP RAP TO BE RR-4 PER THE ILLINOIS DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. UNIT PRICE INCLUDES, BUT IS NOT LIMITED TO, EXCAVATION, FURNISHING AND INSTALLING RIP RAP MATERIAL, FURNISHING AND INSTALLING NON-WOVEN ENGINEERING FABRIC.
38	ROCK EXCAVATION, INC. BACKFILL	100	CY	THIS BID ITEM COST SHALL BE INCLUDE, BUT NOT LIMITED TO, REMOVAL AND DISPOSAL OF ROCK FROM UTILIY TRENCH EXCAVATION, PRV INSTALLATION, INSTALLING SELECT GRANULAR MATERIAL. ROCK IS DEFINED AS BOULDERS OR SEDIMENTARY DEPOSITS THAT CANNOT BE REMOVED IN TRENCHES WITHOUT CONTINUOUS USE OF PNEUMATIC OR HYDRAULIC TOOLS. BOULDERS SHALL NOT BE CLASSIFIED AS ROCK UNLESS LARGER THAN ONE-HALF CUBIC YARDS.
39	PCC CURB & GUTTER	1,390	LF	THIS BID ITEM IS FOR USE FOR THE PROPOSED PCC CURB AND GUTTER ON WEST STREET. THIS BID ITEM UNIT COST SHALL INCLUDE, BUT NOT LIMITED TO, FURNISHING AND PLACING PCC, BARS AND REINFORCEMENT, JOINTS AND SEALING, SURFACE CURING AND PAVEMENT PROTECTION, AND BOXOUTS FOR FIXTURES.
40	PCC CURB & GUTTER, REMOVE & REPLACE	30	LF	THIS BID ITEM IS FOR USE FOR THE PROPOSED PCC CURB AND GUTTER REMOVAL AND REPLACEMENT ON DODGE AND HILL STREETS NECESSARY TO MAKE THE PROPOSED WATER MAIN AND SERVICE IMPROVEMENTS. THIS BID ITEM UNIT COST SHALL INCLUDE, BUT NOT LIMITED TO, SAWING AND REMOVING AND DISPOSING OF EXISTING PAVEMENT BARS AND REINFORCEMENT, PROVIDING AND PLACING PCC, JOINTS AND SEALING, SURFACE CURING AND PAVEMETN PROTECTION.
41	STONE BASE	2,700	TON	STONE BASE SHALL BE PAID FOR UNDER HMA PAVEMENT WHERE FULL DEPTH REMOVALS ARE PROPOSED, PROFILE ADJUSTMENT AREAS, PCC CURB AND GUTTER, AND PCC DRIVEWAY. UNIT PRICE INCLUDES, BUT NOT LIMITED TO, FURNISHING, PLACING, COMPACTING OF SUBBASE INCLUDING TRIMMING TO THE PROPER GRADE. PLACEMENT SHALL BE COMPLETED IN ACCORDANCE WITH PLAN NOTES AND ILLINOIS DOT STANDARD SPECIFICATIONS FOR STONE BASE.
42	GRANULAR SURFACING	50	TON	THIS BID ITEM SHALL INCLUDE THE GRANULAR SURFACING REQUIRED FOR THE GRANULAR DRIVEWAYS IN THE LOCATIONS IDENTIFIED ON THE PLANS. ADDITIONAL, LOCATIONS AND LIMITS OF GRANULAR SURFACING PLACEMENT SHALL RECEIVE APPROVAL FROM THE ENGINEER.THE BID ITEM SHALL INCLUDES, BUT NOT LIMITED TO, EXCAVATION, SUBGRADE PREPARATION, FURNISHING AND PLACING AND COMPACTING THE GRANULAR SURFACING.
43	GRANULAR SURFACING, CA 1	70	TON	THIS BID ITEM SHALL INCLUDE THE GRANULAR SURFACING REQUIRED FOR THE GRANULAR SHOULDER (WEST STREET) IN THE LOCATIONS IDENTIFIED ON THE PLANS. THE GRANULAR SHOULDER ON WEST STREET SHALL CONSIST OF CA 1 IN ACCORDANCE WITH THE ILLINOIS DOT STANDARD SPECIFICATIONS. ADDITIONAL, LOCATIONS AND LIMITS OF GRANULAR SURFACING PLACEMENT SHALL RECEIVE APPROVAL FROM THE ENGINEER.THE BID ITEM SHALL INCLUDES, BUT NOT LIMITED TO, EXCAVATION, SUBGRADE PREPARATION, FURNISHING AND PLACING AND COMPACTING THE GRANULAR SURFACING.
44	PCC COLLAR AROUND WATER VALVE BOXES	8	EA	PCC CONCRETE COLLARS AROUND WATER VALVE BOXES SHALL BE INSTALLED IN PROPOSED PAVING OR PAVEMENT REHABILITATION AREAS. UNIT PRICE SHALL INCLUDE THE FOLLOWING, BUT NOT LIMITED TO, EXCAVATION, CONCRETE, BARS AND REINFORCEMENT, JOINTS AND SEALING, SURFACE CURING AND PAVEMENT PROTECTION.
45	PCC COLLAR AROUND SANITARY SEWER MANHOLES	7	EA	PCC CONCRETE COLLARS AROUND SANITARY SEWER MANHOLES SHALL BE INSTALLED PROPOSED PAVING OR PAVEMENT REHABILITATION AREAS. UNIT PRICE SHALL INCLUDE THE FOLLOWING, BUT NOT LIMITED TO, EXCAVATION, CONCRETE, BARS AND REINFORCEMENT, JOINTS AND SEALING, SURFACE CURING AND PAVEMENT PROTECTION.

46	MANHOLE ADJUSTMENT	6	EA	THIS BID ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, FURNISHING AND INSTALLING ADJUSTING RINGS AND REINSTALLING THE EXISTING FRAME AND COVER TO THE PROPER GRADES FOR THE PROPOSED PAVEMENT REPLACEMENT AND REHABILITATION.
47	HMA SURFACE REMOVAL	300	SY	THIS BID ITEM IS TO BE USED FOR WHERE MILLING OR GRINDING IS IDENTIFIED ON THE PLANS. THE BID ITEM SHALL INCLUDE, BUT NOT LIMITED TO, MILLING OR GRINDING OF THE EXISTING HMA TO A DEPTH OF 2" BELOW THE EXISTING SURFACE UNLESS OTHERWISE APPROVED BY THE OWNER, DISPOSING OF THE HMA MILLINGS OR GRINDINGS. THE CITY SHALL HAVE RIGHT TO FIRST REFUSAL OF THE MATERIAL. IF THE CITY ELECTS TO KEEP THE MATERIAL THE CONTRACTOR SHALL DELIVER IT TO A LOCATION IDENTIFIED BY THE CITY.
48	HMA LEVELING BINDER COURSE, N50, 0-2"	350	TON	THIS BID ITEM SHALL INCLUDE, BUT NOT LIMITED TO, FURNISHING AND PLACING ASPHALT MIX WITH ASPHALT BINDER, PRIME COAT ON EXISTING SURFACE/STONE BASE AND CONSTRUCTION ZONE PROTECTION.
49	HMA SURFACE COURSE MIX C, N50, 2"	540	TON	THIS BID ITEM SHALL INCLUDE, BUT NOT LIMITED TO, FURISHING AND PLACING ASPHALT MIX WITH ASPHALT BINDER, AND CONSTRUCTION ZONE PROTECTION.
50	TACK COAT CSS-1H	325	GAL	THIS BID ITEM SHALL INCLUDE, BUT NOT LIMITED TO, FURNISHING AND PLACING TACK COAT.
51	PCC DRIVEWAY	180	SY	THIS BID ITEM INCLUDES, BUT IS NOT LIMITED TO EXCAVATION, SUBGRADE PREPARATION, FURNISHING AND PLACING PCC, JOINTING INCLUDING EXPANSION JOINTS AS REQUIRED.
52	HMA DRIVEWAY, REMOVE AND REPLACE	40	SY	THIS BID ITEM SHALL BE UTILIZED WHERE HMA DRIVEWAYS ARE REMOVED TO MAKE THE PROPOSED IMPROVEMENTS AND ARE TO BE REPLACED WITH HMA. HMA DRIVEWAYS SHALL BE REPLACED TO A DEPTH OF 4" IN A MINIMUM OF TWO LIFTS. THIS BID ITEM SHALL INCLUDE, BUT NOT LIMITED TO, FURNISHING AND PLACING ASPHALT MIX WITH ASPHALT BINDER, PRIME COAT ON SUBBASE AND CONSTRUCTION ZONE PROTECTION.
53	PCC SIDEWALK, REMOVE AND REPLACE	24	SY	THIS BID ITEM INCLUDES, BUT IS NOT LIMITED TO, SAWING, HAULING AND DISPOSAL OF MATERIALS REMOVED, EXCAVATION, SUBGRADE PREPARATION, FURNISHING AND PLACING PCC, JOINTING INCLUDING EXPANSION JOINTS AS REQUIRED.



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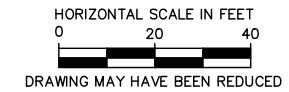
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GENERAL
BID ITEM NOTES

CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET

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Drawing Issue Information			Project Description		
Project Mgr: CAB Issued For Bidding: 07-15-22	Drawn By: KER Issued For Construction: .	Date	Rev	Description	By



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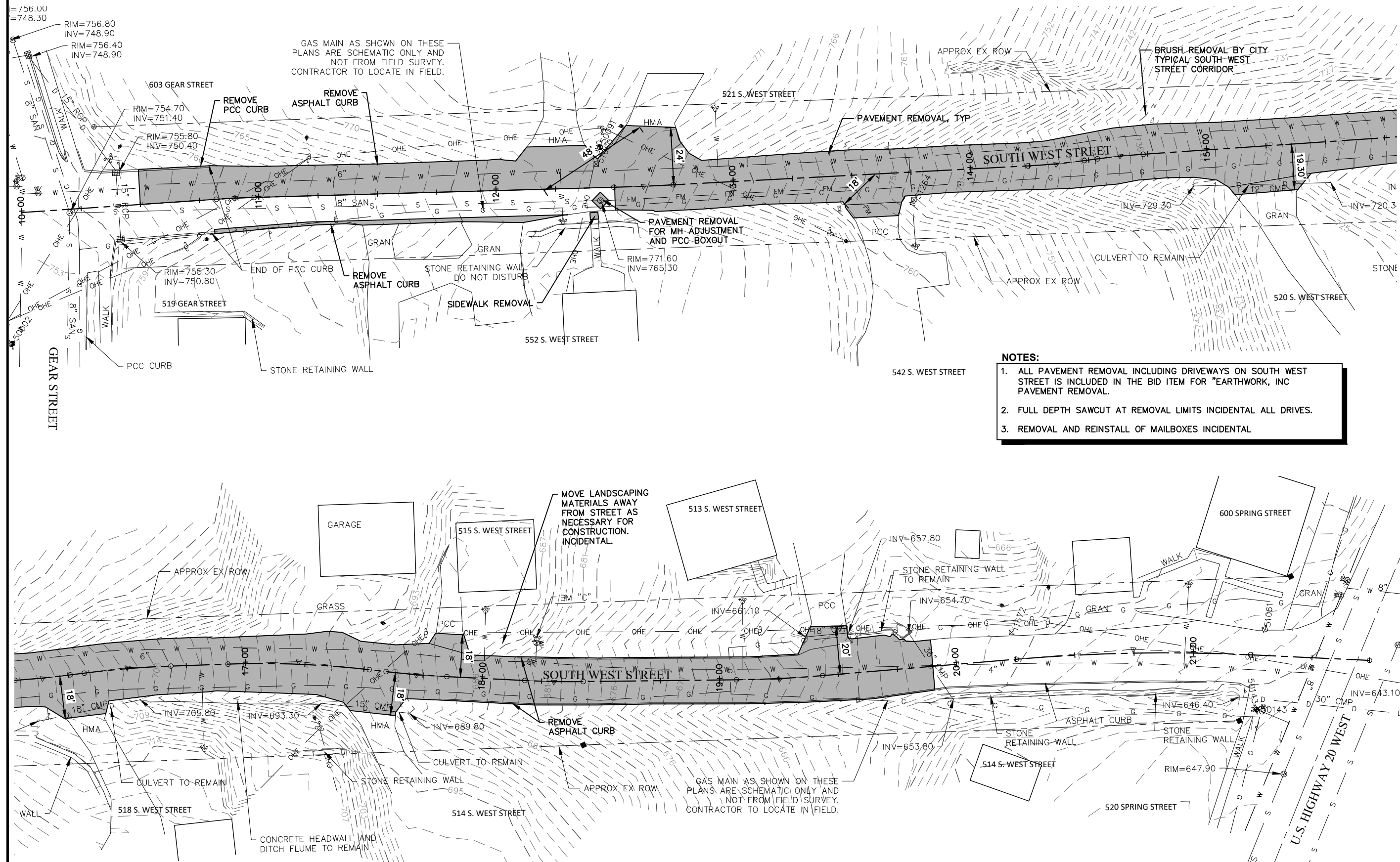
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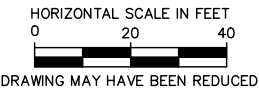
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WEST STREET, DODGE STREET, AND HIGH STREET
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EXISTING CONDITIONS
PLAN

SOUTH DODGE STREET
CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET

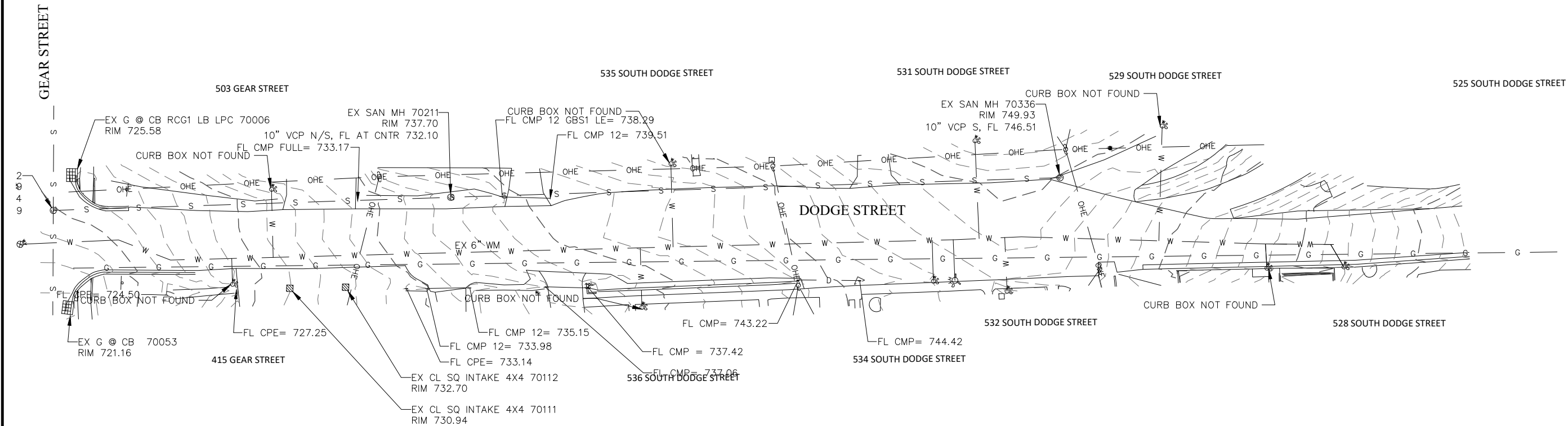
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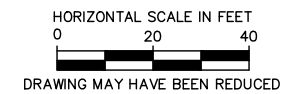
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CITY OF GALENA, ILLINOIS

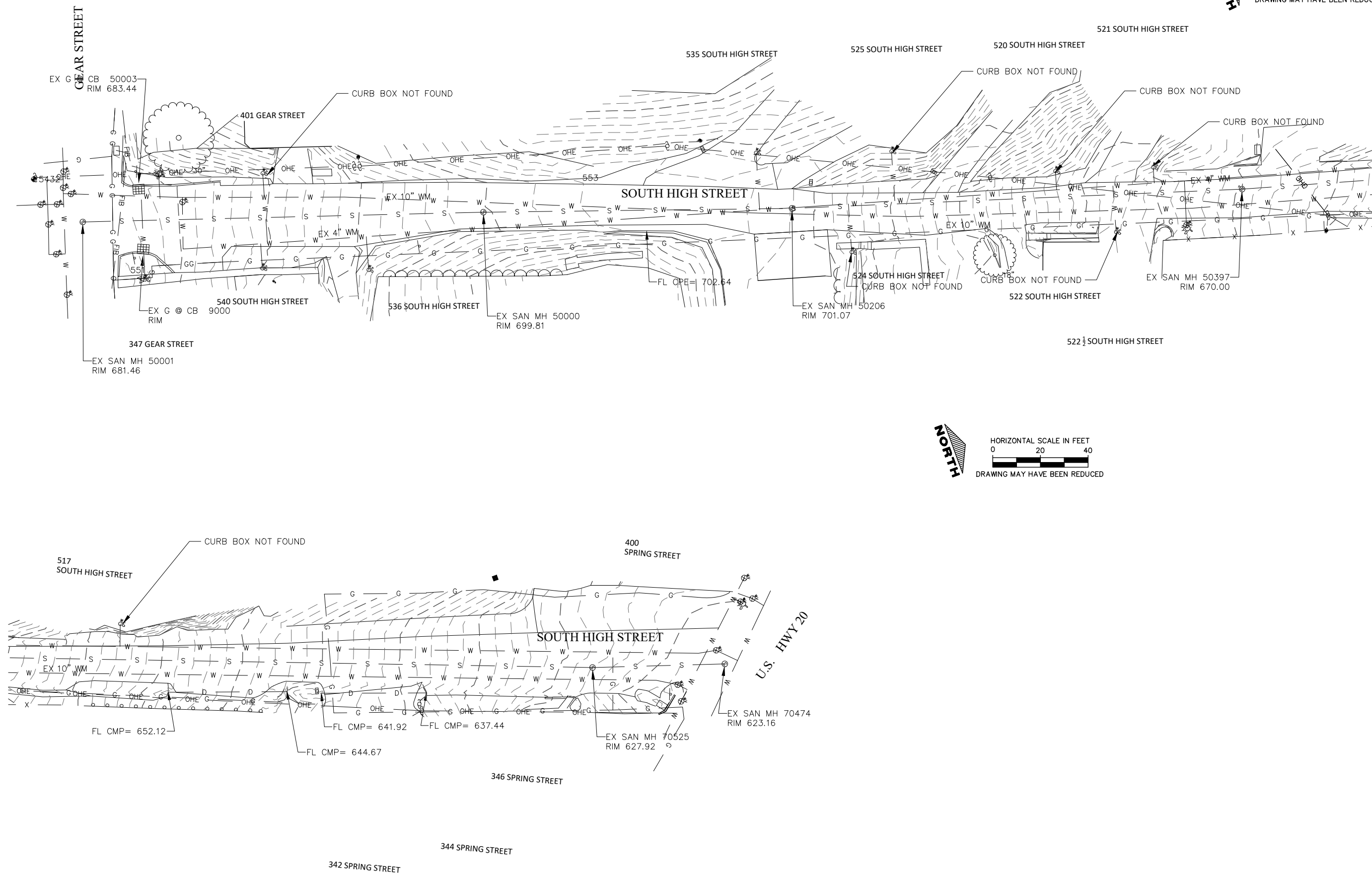
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UTILITY SYSTEMS IMPROVEMENTS 2022
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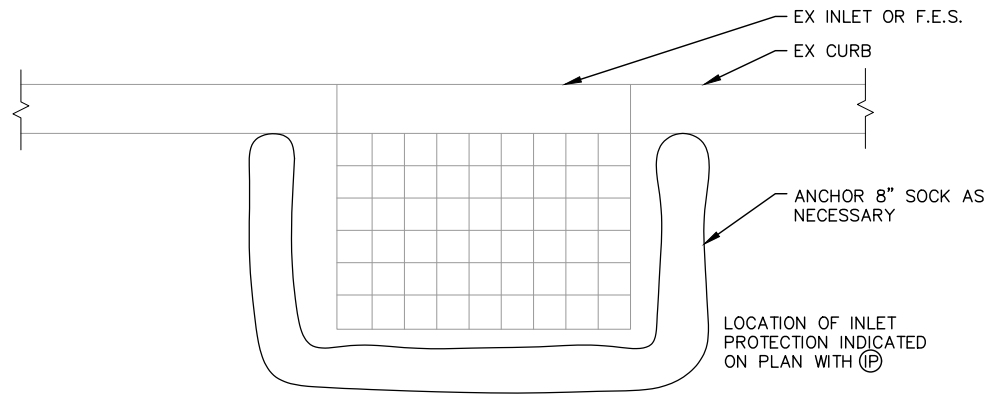
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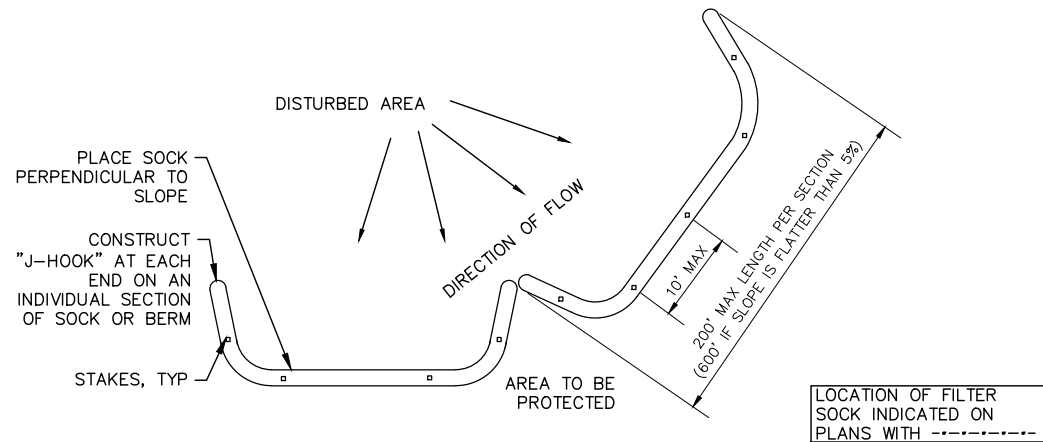
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Project No: 22112



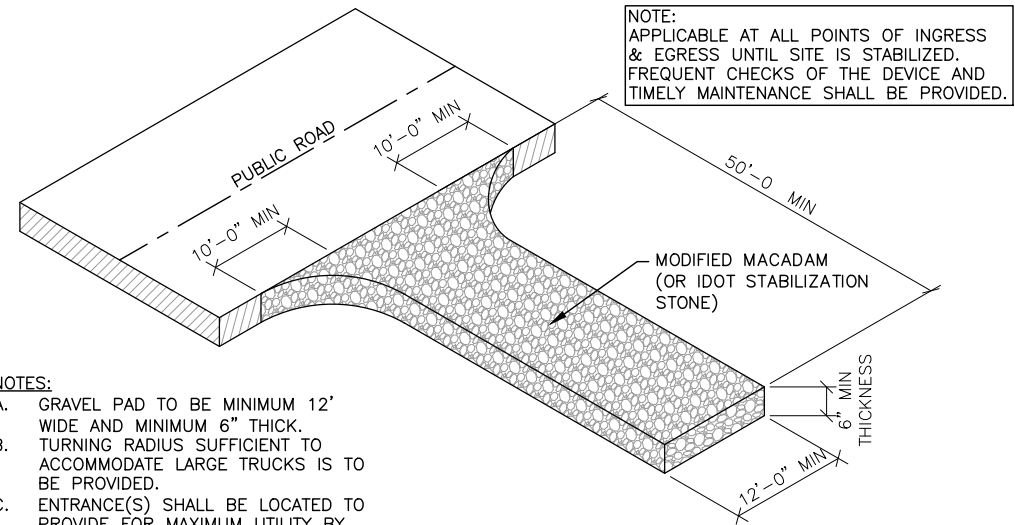


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C2.01 **INLET PROTECTION**
NOT TO SCALE



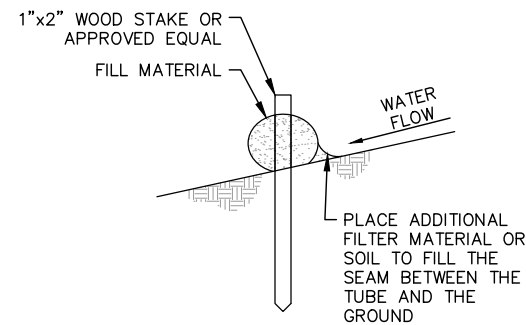
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C2.01 **TEMPORAR SEDIMENT AND SLOPE CONTROL**
NOT TO SCALE

- GENERAL NOTES:
- PROTECTION SHOWN IS TYPICAL FOR SLOPES FLATTER THAN 3:1. FOR STEEPER SLOPES INCREASE SIZE AS DIRECTED BY THE ENGINEER.
 - FILTER SOCKS SHALL BE CONTINUOUS, TUBULAR, KNITTED MESH NETTING WITH $\frac{3}{8}$ INCH OPENINGS, CONSTRUCTED OF A 5 MIL THICKNESS PHOTODEGRADEABLE 8" MINIMUM DIAMETER HDPE.
 - FOR INLET PROTECTION USE A CONTINUOUS TUBULAR KNITTED MESH NETTING WITH $\frac{3}{8}$ INCH OPENINGS, CONSTRUCTED OF 500 DENIER POLYPROPYLENE.
 - FILTER MATERIAL FOR USE IN SOCK AS SPECIFIED:
 - USE MATERIAL DERIVED FROM WOOD, BARK, OR OTHER NON-TOXIC VEGETATIVE FEEDSTOCKS.
 - USE MATERIALS WITH NO VISIBLE ADMIXTURE OF REFUSE OR OTHER PHYSICAL CONTAMINANTS, NOR ANY MATERIAL TOXIC TO PLANT GROWTH.
 - USE MATERIALS MEETING THE FOLLOWING PARTICLE SIZES: 100% PASSING THE 2" SIEVE SIZE, 90-100% PASSING THE 1" SIEVE SIZE, AND 0-30% PASSING THE $\frac{3}{8}$ " SIEVE SIZE.
 - THE TARGET FLOW RATE OF IN-PLACE MATERIAL IS 10 GAL/MIN/LF.



- NOTES:
- GRAVEL PAD TO BE MINIMUM 12' WIDE AND MINIMUM 6" THICK.
 - TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS IS TO BE PROVIDED.
 - ENTRANCE(S) SHALL BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.
 - MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOP DRESSING WITH STONE IS REQUIRED.
 - ANY TRACKED MATERIAL ON THE PUBLIC ROAD MUST BE CLEANED UP DAILY.

5
C2.01 **CONSTRUCTION ENTRANCE**
NOT TO SCALE



14
C2.01 **FILTER SOCK DETAIL**
NOT TO SCALE

**EROSION CONTROL
DETAILS**

CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
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Project Description

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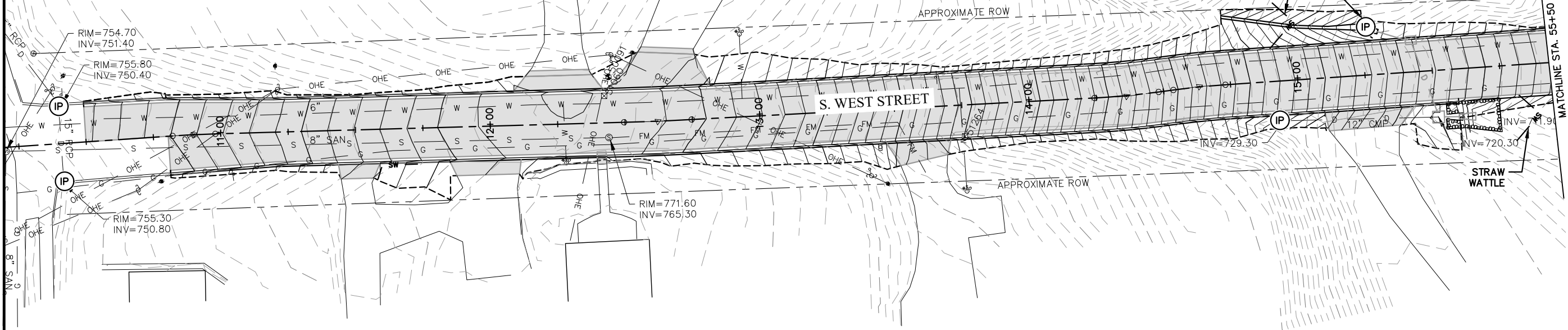
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Project No: 22112

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IV=748.90
RIM=756.40
INV=748.90



NOTES

1. CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCES, STRAW WATTLES, AND INLET PROTECTION DURING CONSTRUCTION.
2. AS SOON AS FEASIBLE FOLLOWING CONSTRUCTION, CITY OF GALENA SHALL INSTALL TOPSOIL, TRECP & PERMANENT SEEDING, AND MULCHING FOR EROSION CONTROL.



HORIZONTAL SCALE IN FEET
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EROSION CONTROL
PLAN

SOUTH WEST STREET
CITY OF GALENA, ILLINOIS

UTILITY SYSTEMS IMPROVEMENTS 2022

WEST STREET, DODGE STREET, AND HIGH STREET
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Project Description

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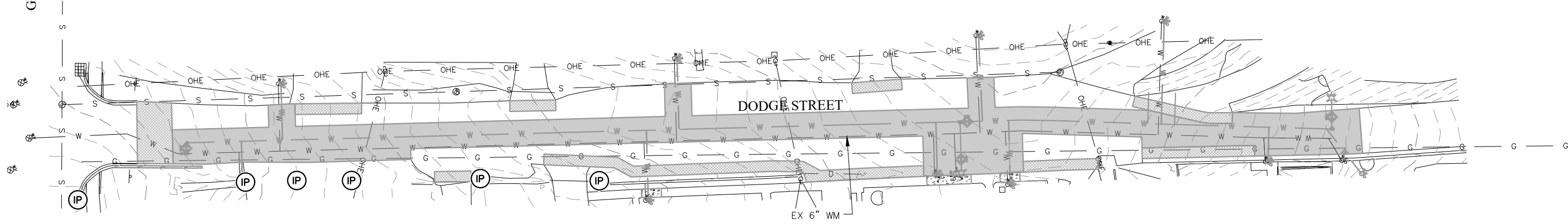
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Project No: 22112

GEAR STREET



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**EROSION CONTROL
PLAN**
DODGE STREET
CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
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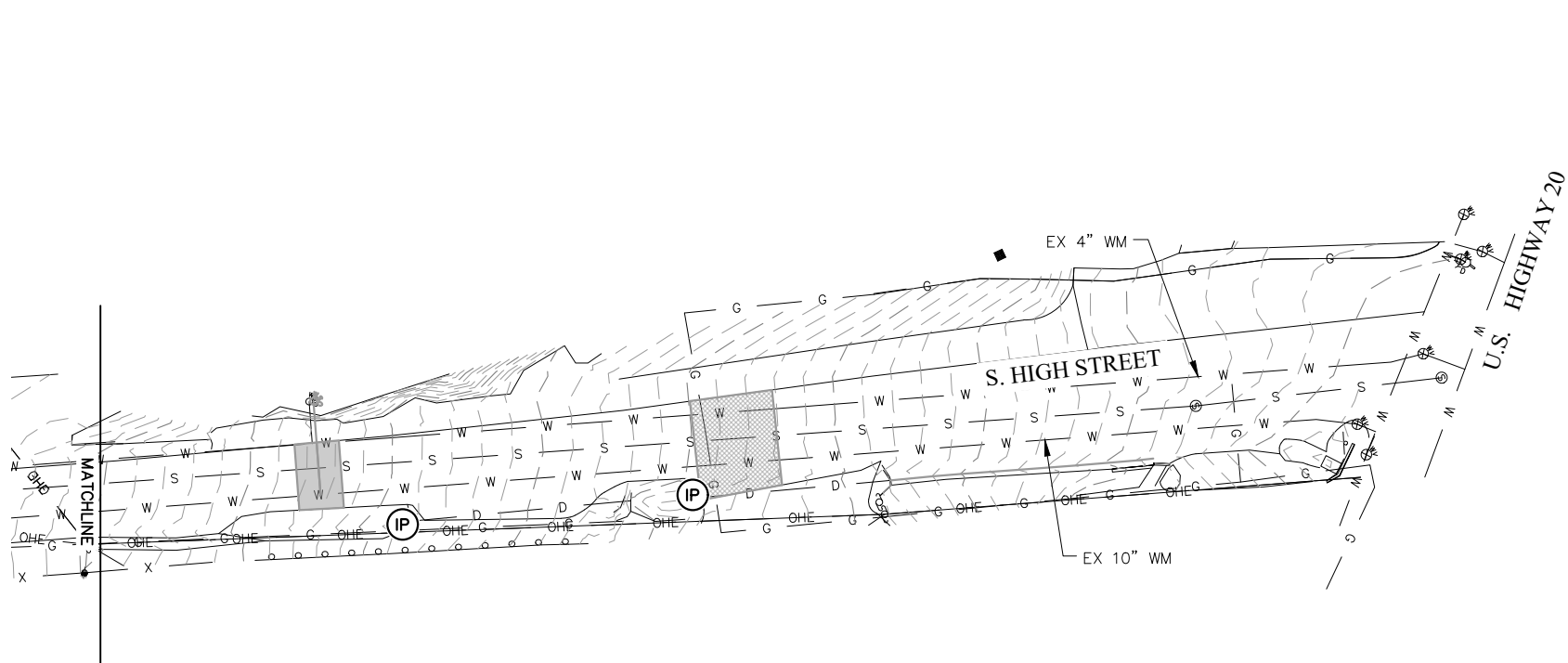
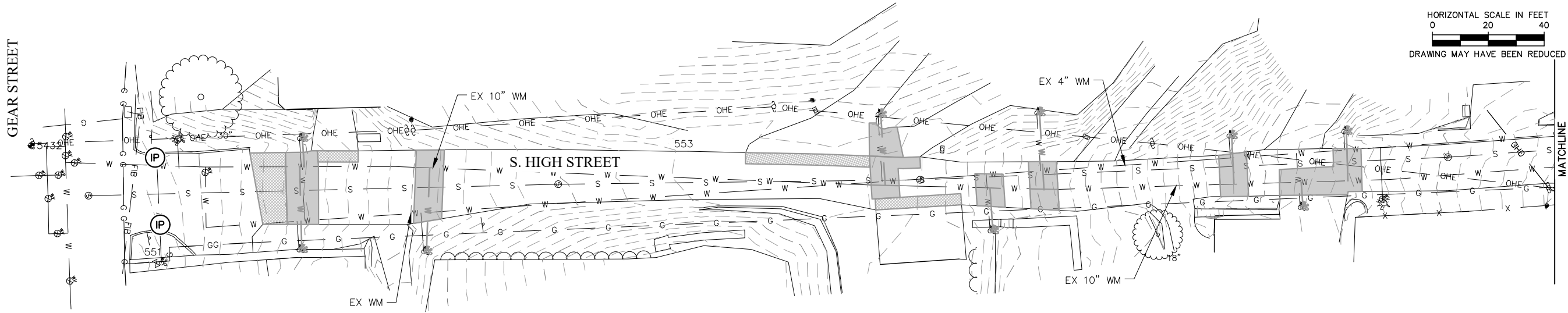
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Project Mgr: CAB Issued For Bidding: 07-15-22			Drawn By: KER Issued For Construction: .	
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Project No: 22112

GEAR STREET



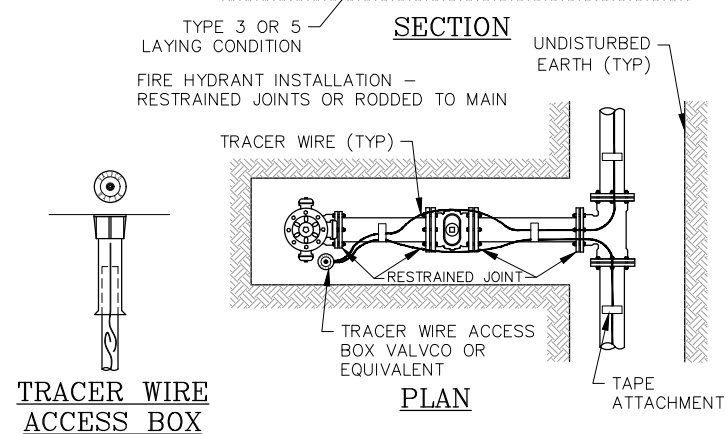
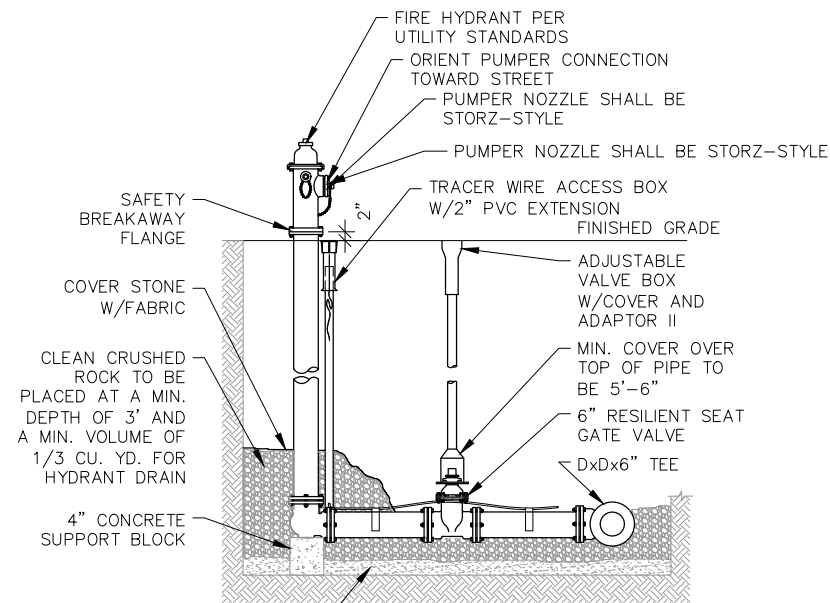
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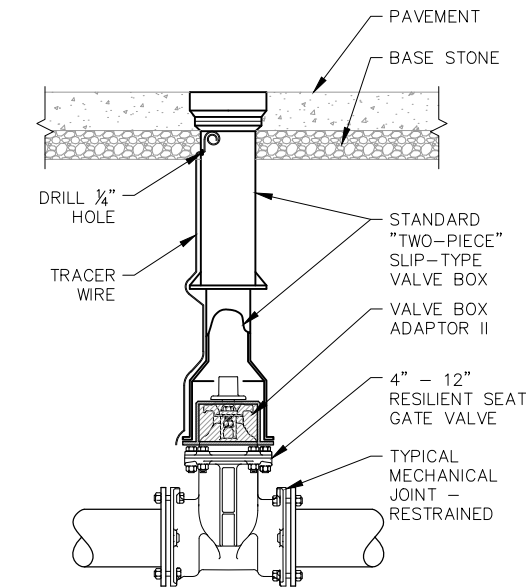
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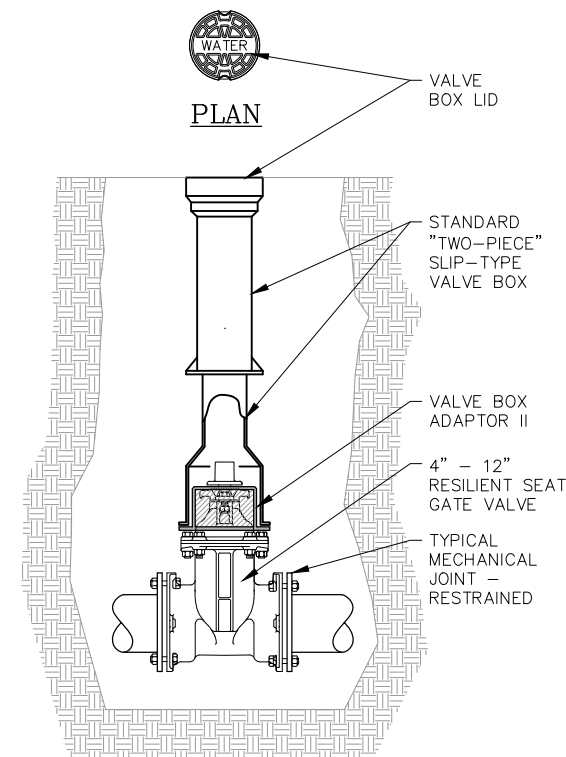
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6 FIRE HYDRANT DETAIL
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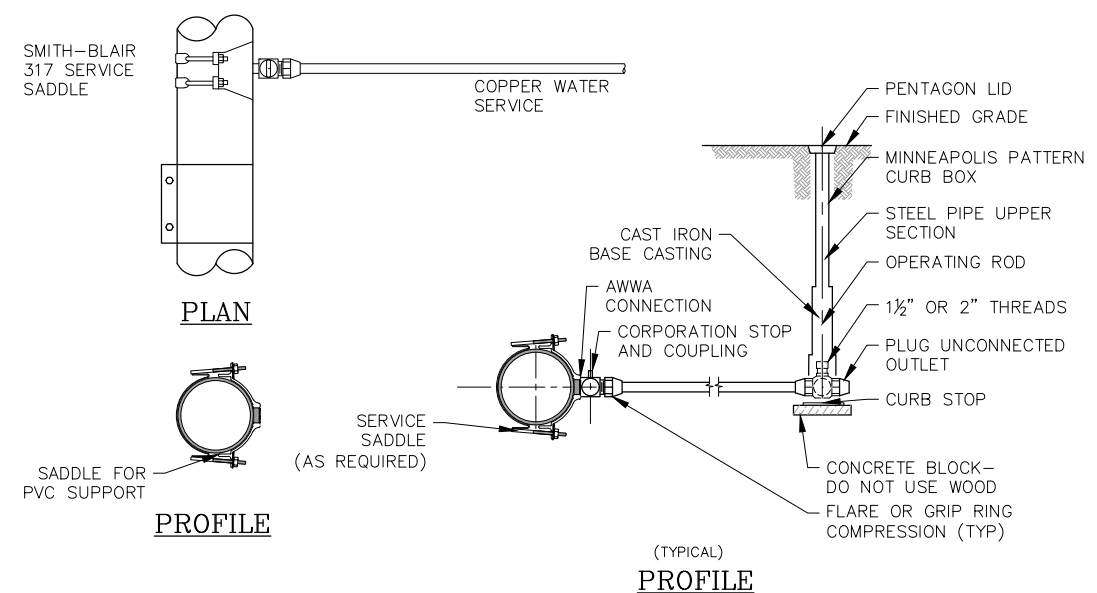
3 GATE VALVE IN PAVEMENT
C5.01 NOT TO SCALE



13 GATE VALVE WITH BOX
C5.01 NOT TO SCALE

WATER MAIN NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS", 7TH EDITION, 2014 EXCEPT AS MODIFIED BY THE SPECIAL PROJECT REQUIREMENTS.
2. MJ AND PUSH-ON JOINT GASKETS SHALL BE SBR RUBBER FOR ALL WATER MAIN.
3. ALL DUCTILE IRON PIPE, INCLUDING FITTINGS AND VALVES, SHALL BE POLYETHYLENE ENCASED PER AWWA C105.
4. THE INSTALLED WATER MAIN SHALL BE DISINFECTED AND TESTED PER SPECIFICATIONS.
5. NO INTERMITTENT HIGH SPOTS BETWEEN CONNECTION POINTS SHALL BE CREATED UNLESS AT A FIRE HYDRANT OR NOTED OTHERWISE.
6. SEPARATION OF WATER MAINS FROM SANITARY SEWERS AND STORM SEWERS SHALL BE IN ACCORDANCE WITH ILLINOIS STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS, 7TH EDITION, 2014.
7. WATER MAIN HORIZONTAL SEPARATION: WATER MAINS SHALL BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION. REFER TO STANDARD DRAWING NO. 18 IN THE ILLINOIS STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS, 7TH ADDITION, 2014.
8. WATER MAIN VERTICAL SEPARATION: A WATER MAIN SHALL BE SEPARATED FROM A SEWER SO THAT ITS INVERT IS A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS OVER STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN (10) FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.
9. THE LOCATION OF UTILITIES INDICATED ON THE PLAN ARE TAKEN FROM FIELD MEASUREMENTS & EXISTING PUBLIC RECORDS. ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN MAY BE PRESENT. THE UTILITIES PRESENT MAY NOT EXIST. AS SHOWN. IT SHALL BE THE DUTY OF ANYONE MAKING USE OF THESE PLANS TO ASCERTAIN THE EXACT LOCATION, SIZE AND ELEVATION OF ALL UTILITIES PRESENT.
10. ALL CROSSING OF EXISTING UTILITIES SHALL BE FIELD VERIFIED FOR LOCATION & ELEVATION.
11. DEFLECTION OF THE WATER MAIN SHALL NOT EXCEED MANUFACTURER RECOMMENDATIONS FOR PIPE MATERIAL AND JOINTS.
12. WHERE FITTINGS ARE NOT SPECIFIED, DEFLECTIONS IN THE WATER MAIN SHALL BE ACHIEVED IN THE PIPE (PVC) AND JOINTS (DIP).
13. ALL REMOVE AND REPLACE ITEMS CALLED OUT ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO WATER MAIN CONSTRUCTION UNLESS SPECIFICALLY IDENTIFIED IN THE SPECIAL PROVISIONS.
14. MINIMUM BURY DEPTH OF WATER MAIN SHALL BE 5.5'. THE WATER MAIN SHALL BE INSTALLED AT THE ELEVATIONS SHOWN ON THE PROFILE UNLESS: THE COVER ON THE WATER MAIN IS LESS THAN 5.5' OR IS ENGINEER APPROVED TO MODIFY THE PROPOSED ELEVATION OF THE WATER MAIN.
15. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EX UTILITIES AT CROSSING LOCATIONS, INCLUDING ANY UTILITIES THAT MAY NOT BE SHOWN ON THE PLANS. IF THE CONTRACTOR DETERMINES THAT THEY NEED TO REMOVE AND REINSTALL THE EX UTILITIES TO INSTALL THE PROPOSED IMPROVEMENTS, THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE WATER MAIN AND PRESSURE CONTROL STRUCTURE INSTALLATION.
16. THRUST RESTRAINT: THE MAXIMUM WORKING PRESSURE ON THE SOUTH PORTION OF WEST STREET IS 95 PSI, TEST PRESSURE FOR THE WATER MAIN SHALL BE 145 PSI. THE MAXIMUM WORKING PRESSURE ON THE NORTH PORTION OF WEST STREET IS 95 PSI, TEST PRESSURE FOR THIS WATER MAIN SHALL BE 145 PSI. THE MAXIMUM WORKING PRESSURE ON THE PROPOSED DODGE STREET WATER MAIN SHALL BE 75 PSI, TEST PRESSURE FOR THIS WATER MAIN SHALL BE 115 PSI.



14 SERVICE LINE INSTALLATION
C5.01 NOT TO SCALE

WATER AND SANITARY SEWER DETAILS AND NOTES

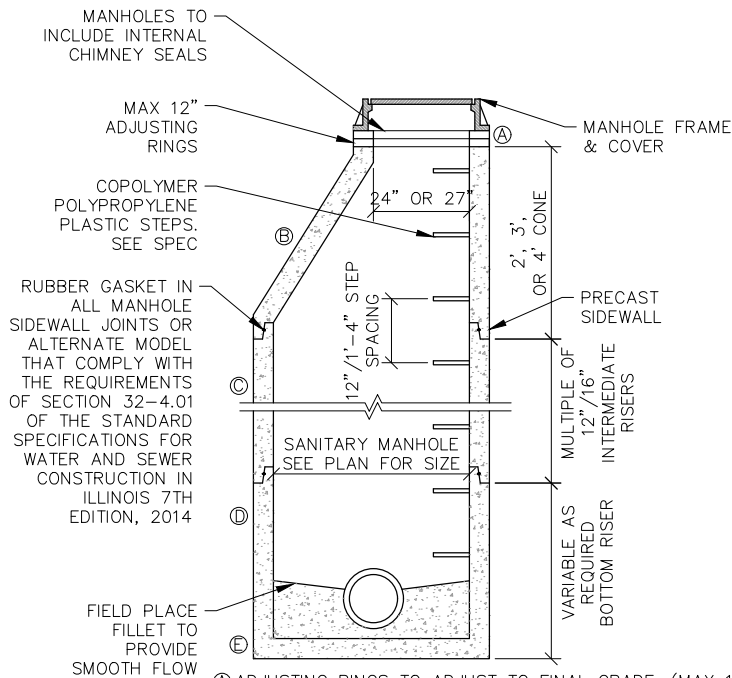
CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
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AVERAGE GRADE	MINIMUM DROP THROUGH MANHOLE
0.00 - 2.5%	0.10'
2.51 - 5.0%	0.20'
5.01 - 7.5%	0.30'
7.51 - 10.0%	0.40'
10.01 - 12.5%	0.50'
12.51 - 15.0%	0.60'
15.01 - 17.5%	0.70'
17.51 - 20.0%	0.80'

FRAMES WITH BOLT-DOWN LIDS SHALL BE NEENAH R-1642A

NOTE: MANHOLES ARE MANUFACTURED IN ACCORDANCE WITH ASTM SPECIFICATION C478.

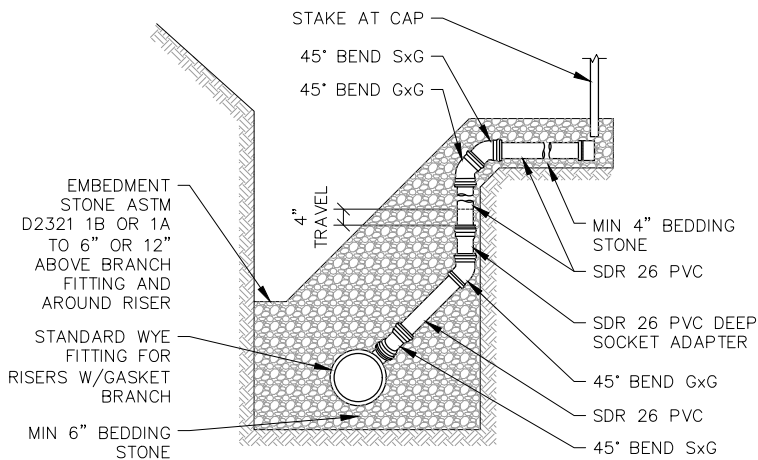
MANHOLES FURNISHED WITH OR WITHOUT STEPS AS REQUIRED.

- Ⓐ ADJUSTING RINGS TO ADJUST TO FINAL GRADE. (MAX 12")
- Ⓑ ECCENTRIC MANHOLE CONE SECTION
- Ⓒ INTERMEDIATE SECTIONS ARE USED IN MULTIPLES OF 12" OR 16" INCREMENTS AS REQUIRED.
- Ⓓ BOTTOM SECTION IS CAST TO A LENGTH REQUIRED TO MAKE THE PROPER MANHOLE HEIGHT AND HAS PIPE CONNECTIONS AS NEEDED.
- Ⓔ INTEGRALLY PRECAST BASE SECTION.

6 SANITARY MANHOLE - CAST IN FRAME

C5.02

NOT TO SCALE



NOTES:

INSTALL VERTICAL SECTION AGAINST UNDISTURBED SOIL.

ENCASE RISER PIPE IN FITTINGS IN CRUSHED STONE

RISERS TO BE CONSTRUCTED WHERE SEWER DEPTH EXCEEDS 12' OR AS REQUIRED

SxG IS SPIGOT BY GASKET

GxG IS GASKET BY GASKET

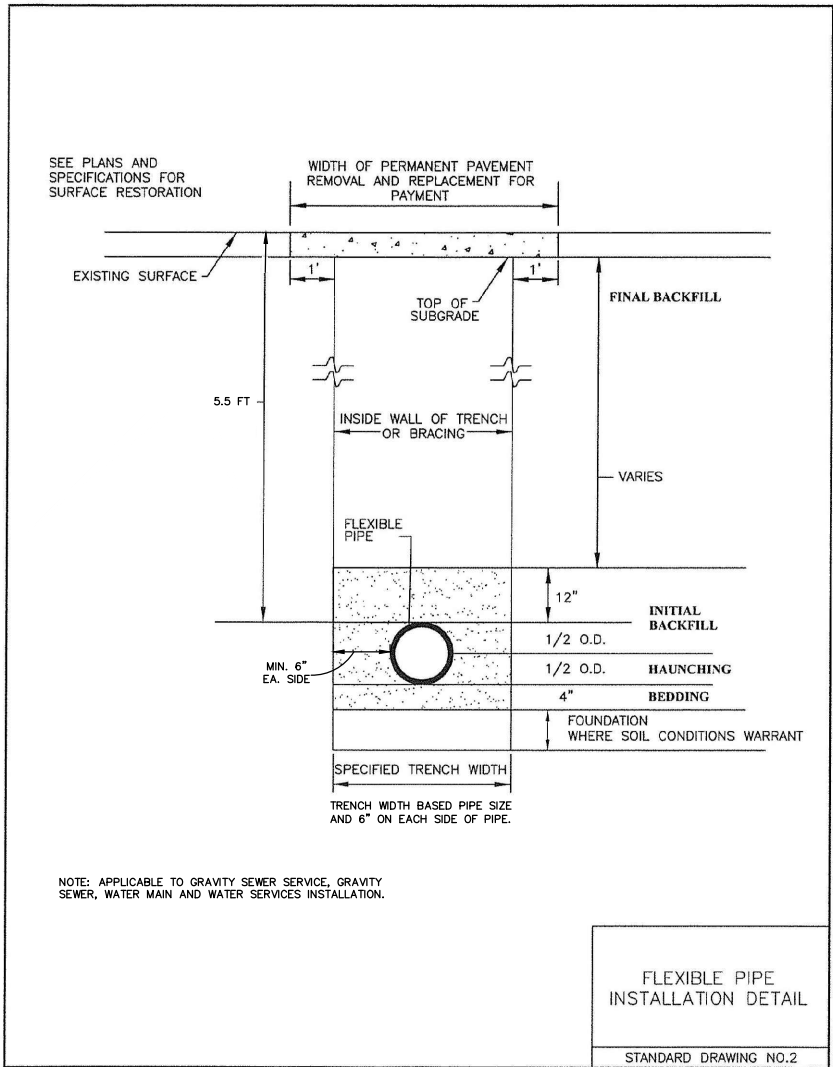
BRACE OR BLOCK CAP TO WITHSTAND AIR TEST

CONSULT ENGINEER FOR DIP RISER

12 SERVICE DETAIL WITH TRENCH BOX 1-2

C5.02

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WATER AND SANITARY SEWER DETAILS

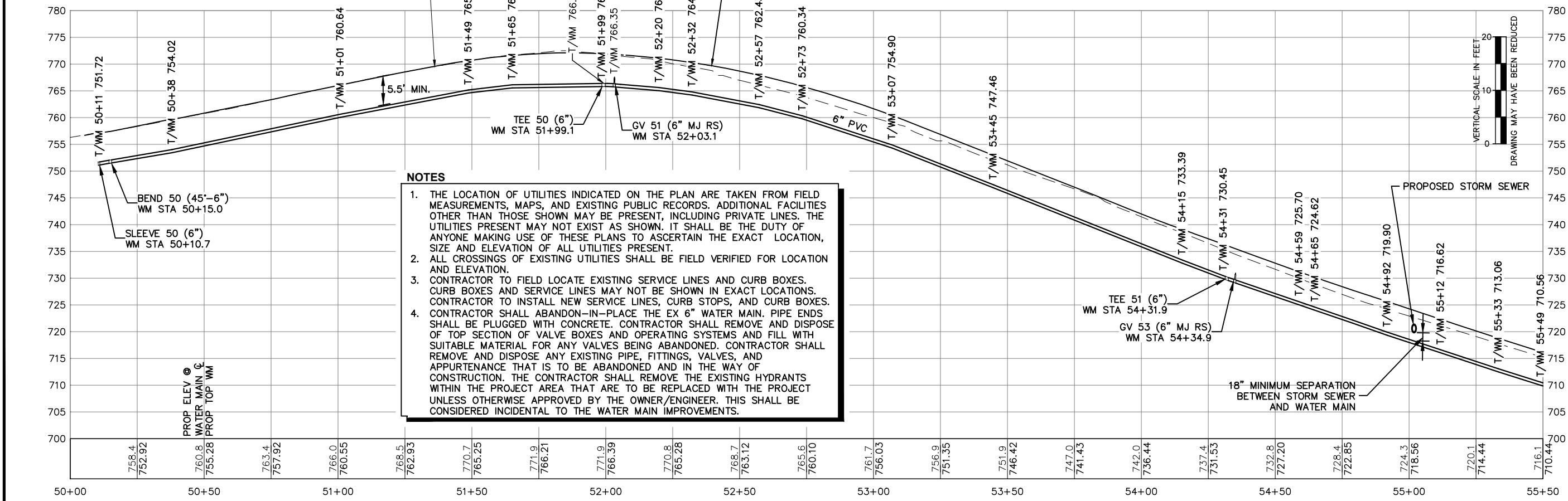
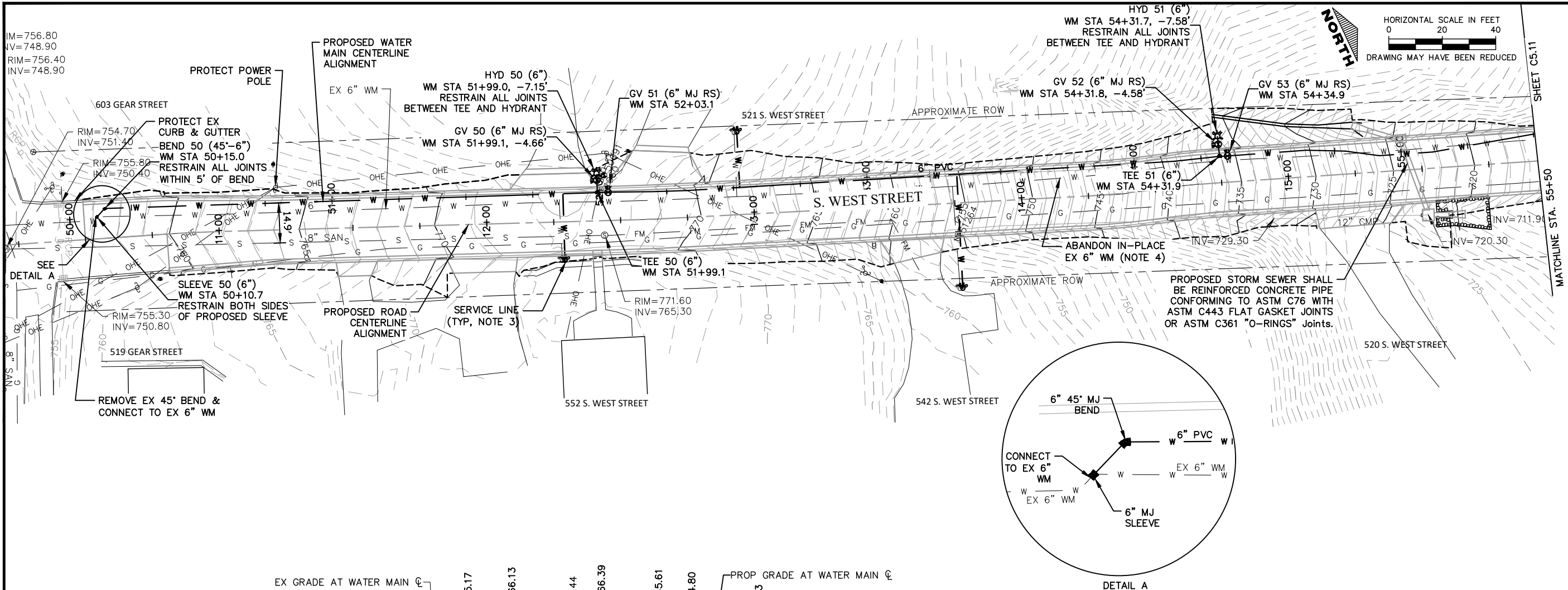
CITY OF GALENA, ILLINOIS
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Sheet No:

C5.02

Project No: 22112



- NOTES**
1. THE LOCATION OF UTILITIES INDICATED ON THE PLAN ARE TAKEN FROM FIELD MEASUREMENTS, MAPS, AND EXISTING PUBLIC RECORDS. ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN MAY BE PRESENT, INCLUDING PRIVATE LINES. THE UTILITIES PRESENT MAY NOT EXIST AS SHOWN. IT SHALL BE THE DUTY OF ANYONE MAKING USE OF THESE PLANS TO ASCERTAIN THE EXACT LOCATION, SIZE AND ELEVATION OF ALL UTILITIES PRESENT.
 2. ALL CROSSINGS OF EXISTING UTILITIES SHALL BE FIELD VERIFIED FOR LOCATION AND ELEVATION.
 3. CONTRACTOR TO FIELD LOCATE EXISTING SERVICE LINES AND CURB BOXES. CURB BOXES AND SERVICE LINES MAY NOT BE SHOWN IN EXACT LOCATIONS. CONTRACTOR TO INSTALL NEW SERVICE LINES, CURB STOPS, AND CURB BOXES.
 4. CONTRACTOR SHALL ABANDON-IN-PLACE THE EX 6\"/>

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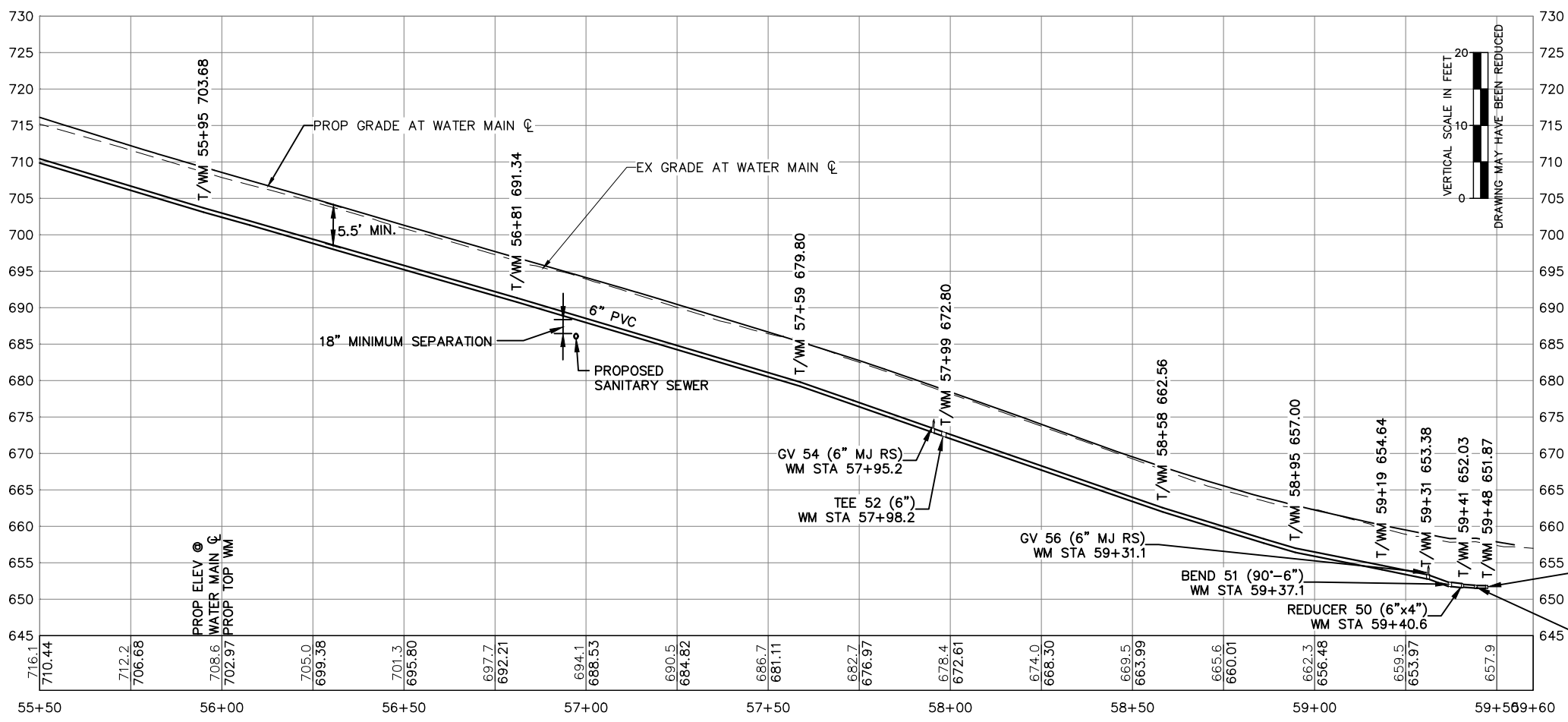
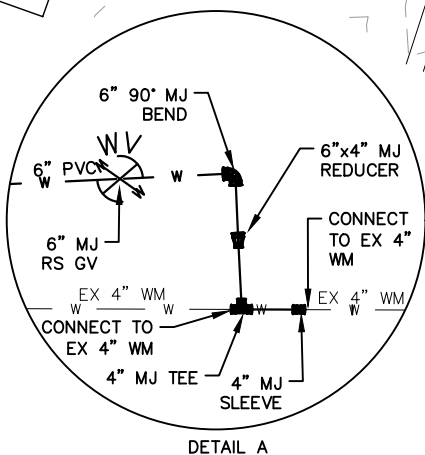
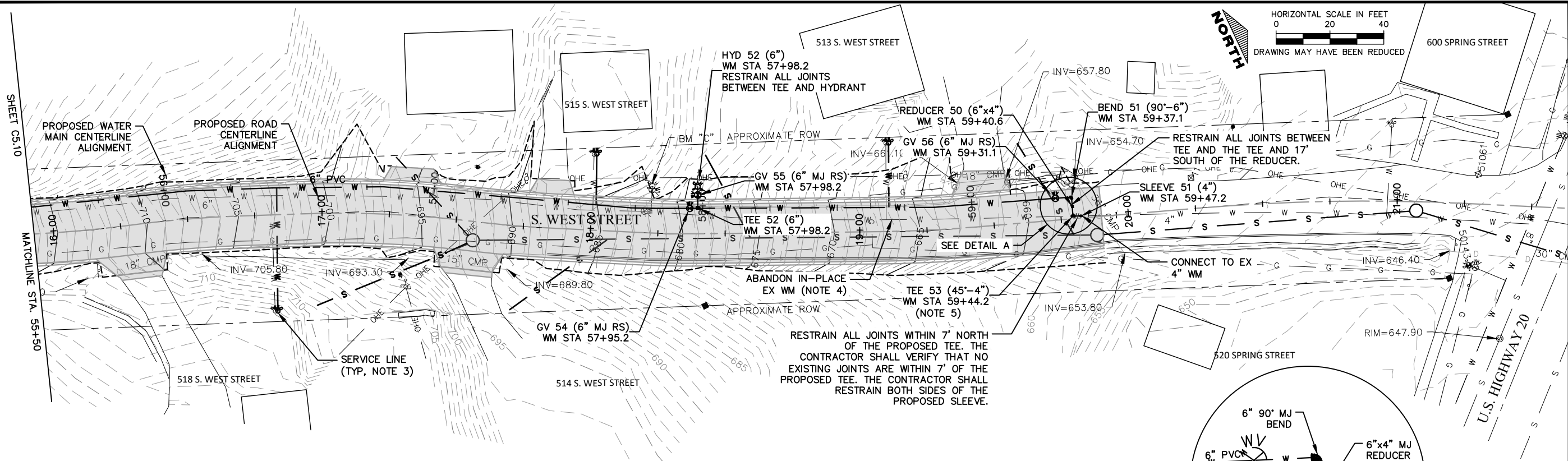
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**WATER AND SANITARY SEWER
WATER PLAN AND PROFILE**
SOUTH WEST STREET
CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
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Issued For Construction: .
Drawn By: KER

Sheet No: **C5.10**
Project No: 22112



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 2. ALL CROSSINGS OF EXISTING UTILITIES SHALL BE FIELD VERIFIED FOR LOCATION AND ELEVATION.
 3. CONTRACTOR TO FIELD LOCATE EXISTING SERVICE LINES AND CURB BOXES. CURB BOXES AND SERVICE LINES MAY NOT BE SHOWN IN EXACT LOCATIONS. CONTRACTOR TO INSTALL NEW SERVICE LINES, CURB STOPS, AND CURB BOXES.
 4. CONTRACTOR SHALL ABANDON-IN-PLACE THE EX 6\"/>
 5. CONTRACTOR SHALL REMOVE EX 4\"/>

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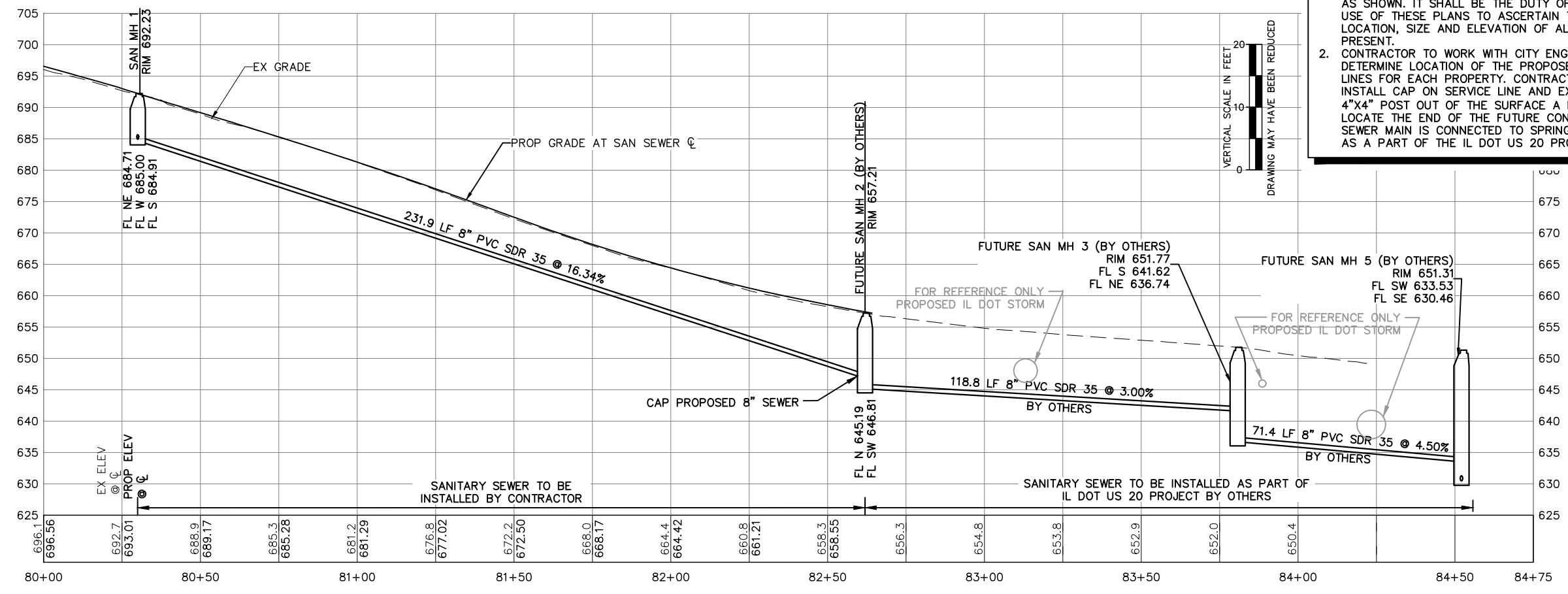
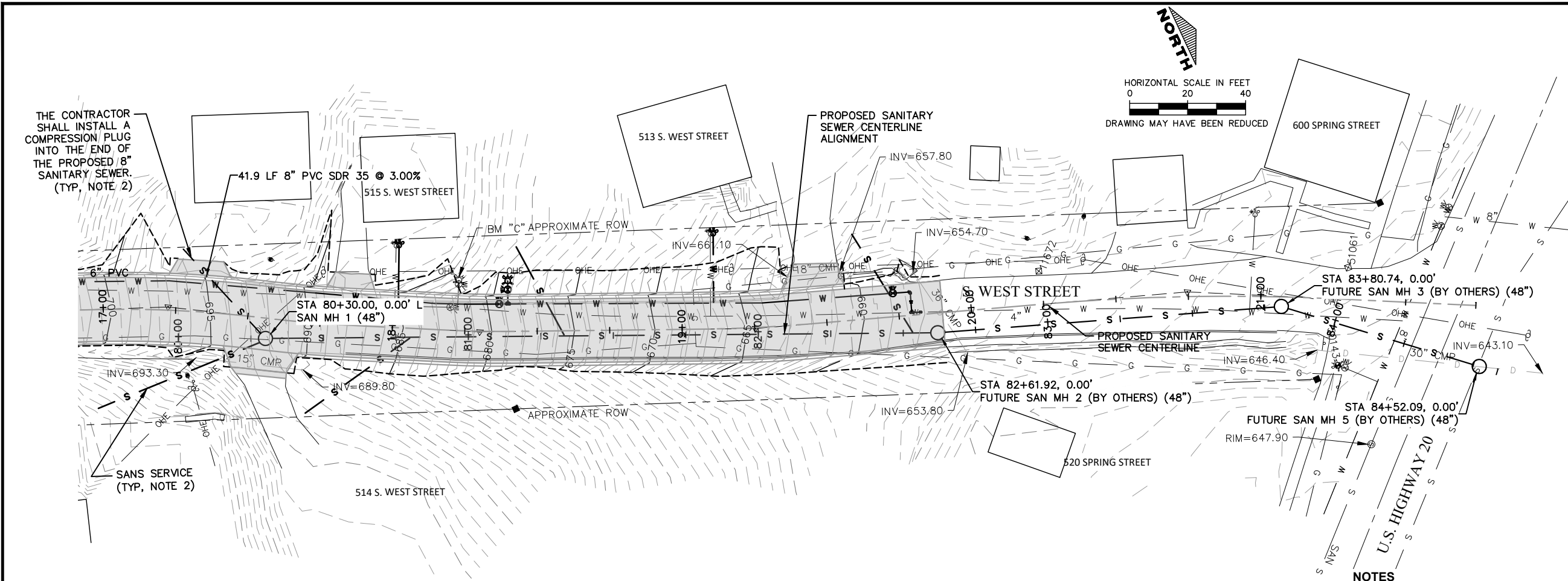
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 2. CONTRACTOR TO WORK WITH CITY ENGINEER TO DETERMINE LOCATION OF THE PROPOSED SEWER SERVICE LINES FOR EACH PROPERTY. CONTRACTOR SHALL INSTALL CAP ON SERVICE LINE AND EXTEND A TREATED 4"x4" POST OUT OF THE SURFACE A MINIMUM OF 3' TO LOCATE THE END OF THE FUTURE CONNECTION ONCE SEWER MAIN IS CONNECTED TO SPRING STREET SEWER AS A PART OF THE IL DOT US 20 PROJECT.

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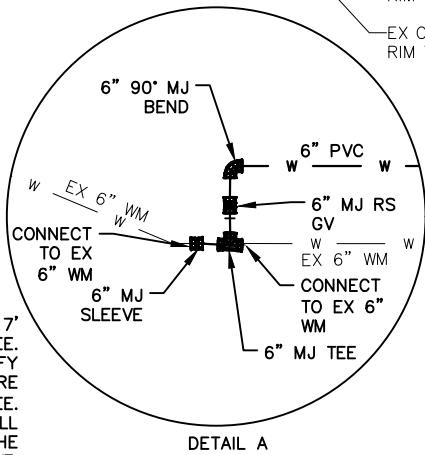
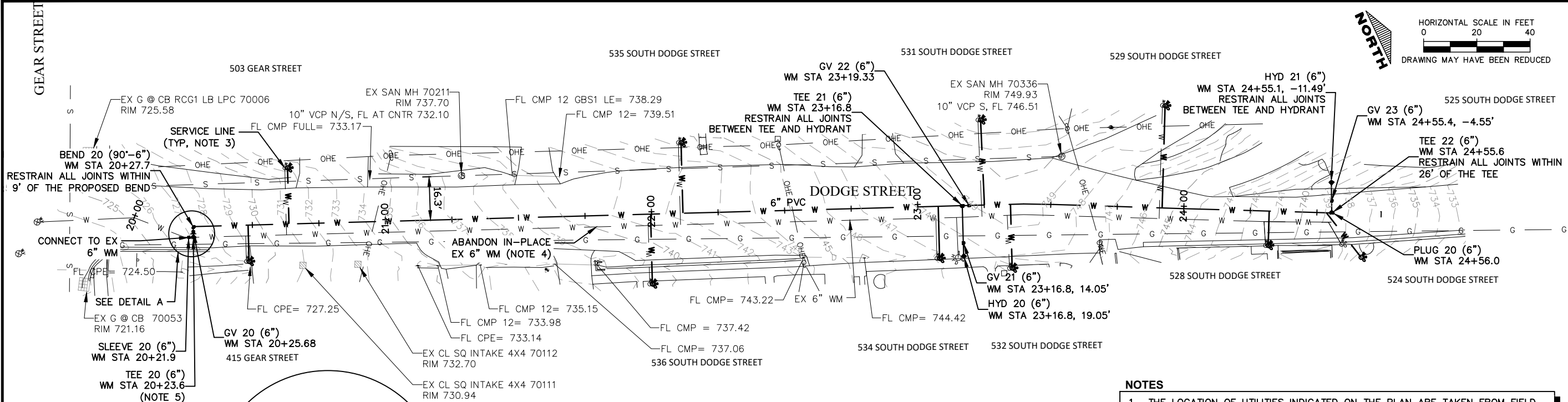
**WATER AND SANITARY SEWER
SANITARY PLAN AND PROFILE**
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UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
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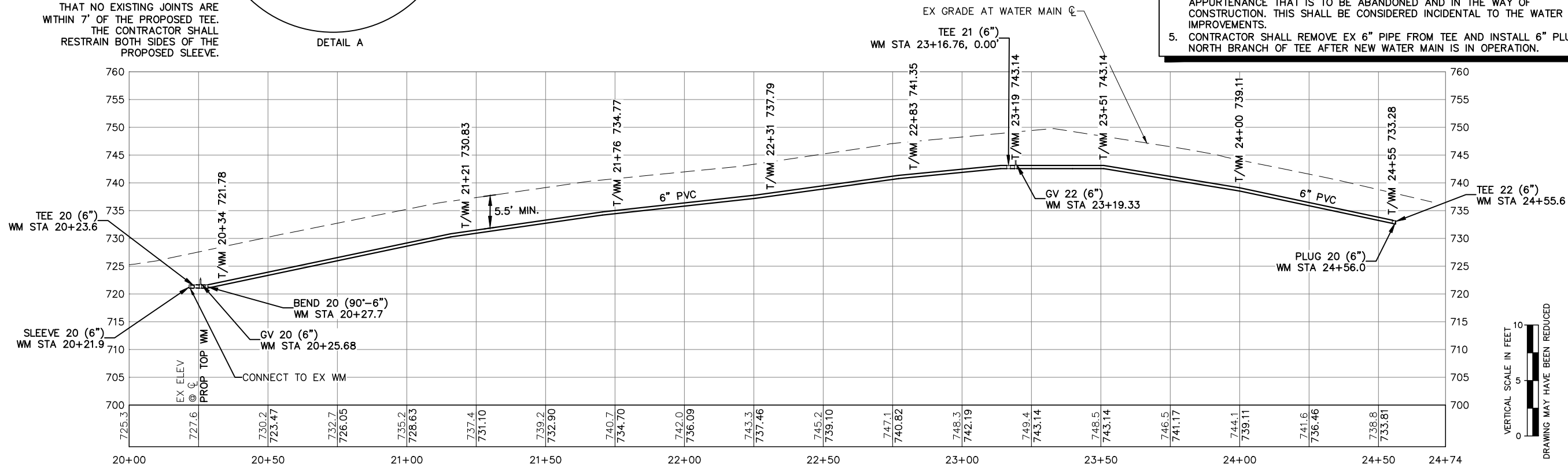
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Project No: 22112

GEAR STREET



RESTRAIN ALL JOINTS WITHIN 7' SOUTH OF THE PROPOSED TEE. THE CONTRACTOR SHALL VERIFY THAT NO EXISTING JOINTS ARE WITHIN 7' OF THE PROPOSED TEE. THE CONTRACTOR SHALL RESTRAIN BOTH SIDES OF THE PROPOSED SLEEVE.

- NOTES**
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 4. CONTRACTOR SHALL ABANDON-IN-PLACE THE EX 6" WATER MAIN. PIPE ENDS SHALL BE PLUGGED WITH CONCRETE. CONTRACTOR SHALL REMOVE AND DISPOSE OF TOP SECTION OF VALVE BOXES AND OPERATING SYSTEMS AND FILL WITH SUITABLE MATERIAL FOR ANY VALVES BEING ABANDONED. CONTRACTOR SHALL REMOVE AND DISPOSE ANY EXISTING PIPE, FITTINGS, VALVES, AND APPURTENANCE THAT IS TO BE ABANDONED AND IN THE WAY OF CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO THE WATER MAIN IMPROVEMENTS.
 5. CONTRACTOR SHALL REMOVE EX 6" PIPE FROM TEE AND INSTALL 6" PLUG ON NORTH BRANCH OF TEE AFTER NEW WATER MAIN IS IN OPERATION.



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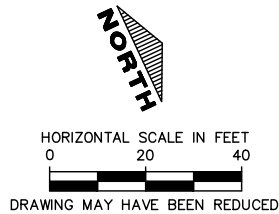
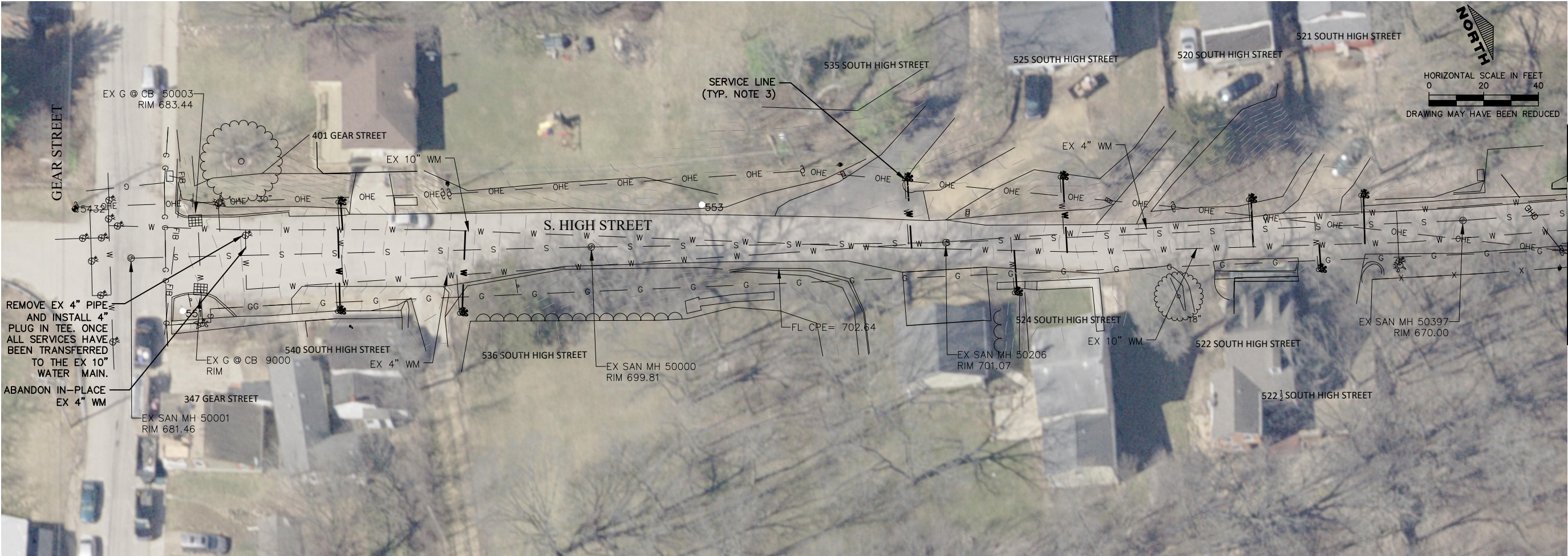
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Drawn By: KER

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Project No: 22112



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4. CONTRACTOR SHALL ABANDON-IN-PLACE THE EX 4" WATER MAIN. PIPE ENDS SHALL BE PLUGGED WITH CONCRETE. CONTRACTOR SHALL REMOVE AND DISPOSE OF TOP SECTION OF VALVE BOXES AND OPERATING SYSTEMS AND FILL WITH SUITABLE MATERIAL FOR ANY VALVES BEING ABANDONED. CONTRACTOR SHALL REMOVE AND DISPOSE ANY EXISTING PIPE, FITTINGS, VALVES, AND APPURTENANCE THAT IS TO BE ABANDONED AND IN THE WAY OF CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO THE WATER MAIN IMPROVEMENTS.

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**WATER AND SANITARY SEWER
WATER PLAN**

SOUTH HIGH STREET
CITY OF GALENA, ILLINOIS

UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET

P:\22\12\DRAWINGS\CIVIL\2212_ZZ -05 PP HIGH ST WATER.DWG 7/15/2022 2:01 PM BRYSON WINSKY

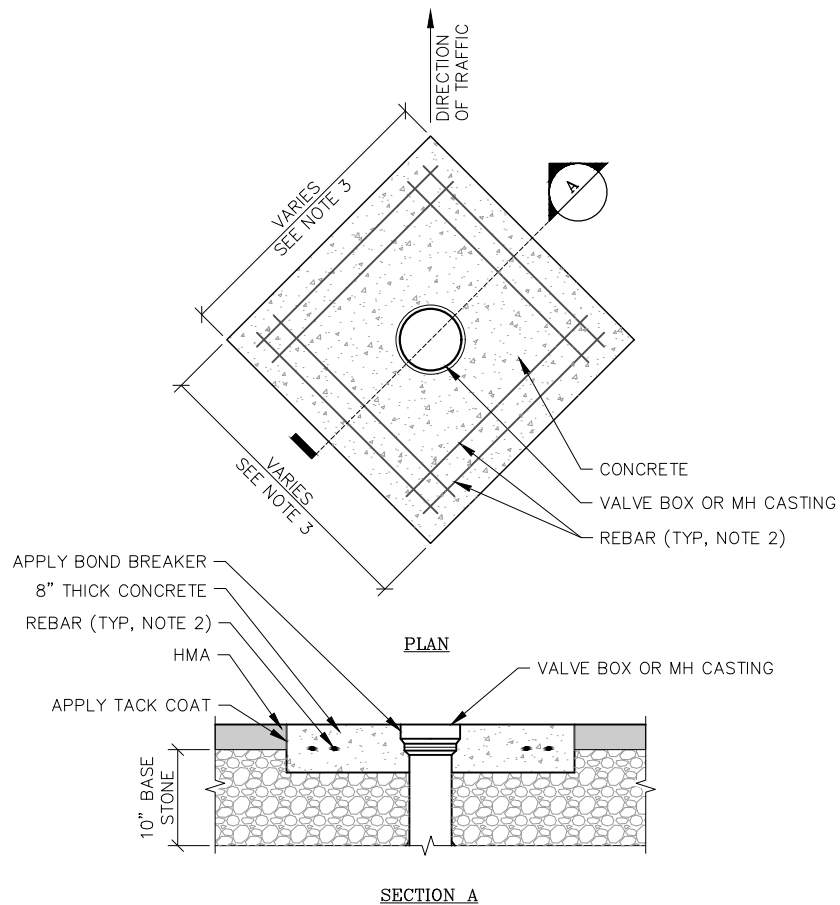
Project Description

Drawing Issue Information		Project Information		Revision	
Project Mgr: CAB	Drawn By: KER	Project No: 22112	Issue For Construction: 07-15-22	Rev	Date
Issue For Bidding: 07-15-22	Issue For Construction: 07-15-22				

Sheet No:

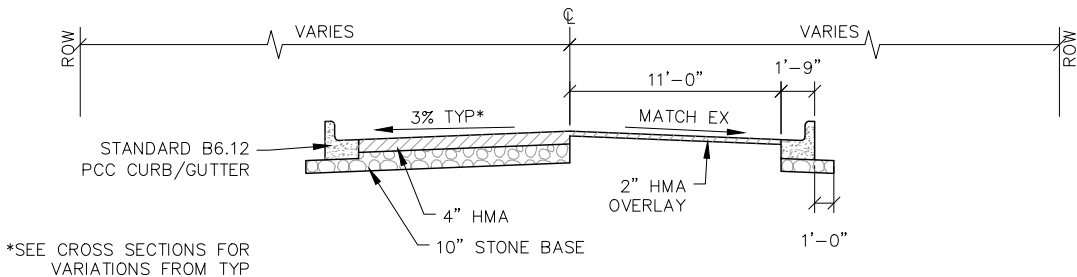
C5.30

Project No: 22112

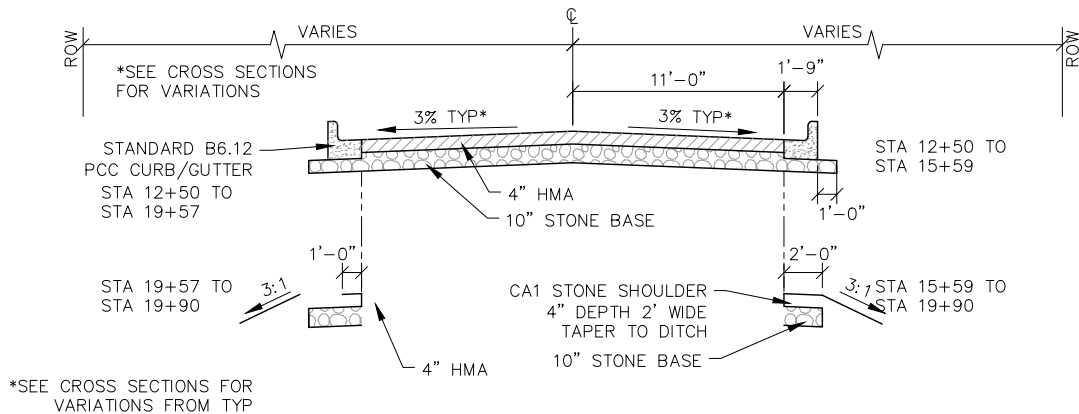


- NOTES:
1. CONSTRUCT COLLAR WITH CLASS PV CONCRETE PER IL DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. MINIMUM 2 INCHES CLEAR ON REINFORCEMENT. CENTER VALVE BOX WITHIN COLLAR AREA.
 2. #4 EPOXY COATED REBAR. PLACE AT MID SLAB. 2'-8" TYP FOR VALVE BOX. 4'-8" TYP FOR MH CASTING.
 3. CONCRETE COLLAR FOR VALVE BOX SHALL BE 3'X3'. CONCRETE COLLAR FOR MH CASTING SHALL BE 5'X5'.

2
C6.01 **PCC VALVE BOX AND MH CASTING COLLAR**
NOT TO SCALE

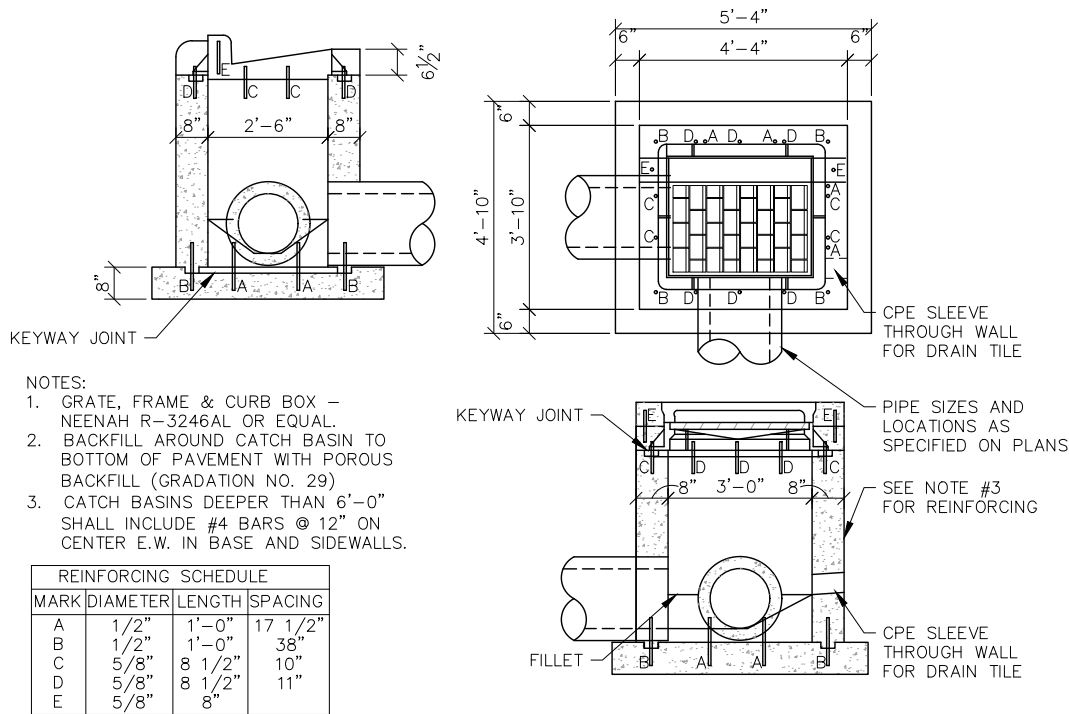


4
C6.01 **TYPICAL SECTION - PARTIAL RECONSTRUCTION**
STA 10+80.51 TO STA 12+50
NOT TO SCALE



14
C6.01 **TYPICAL SECTION - FULL RECONSTRUCTION**
STA 12+50 TO STA 19+90
NOT TO SCALE

Drawing Issue Information		Project Description	
Project Mgr: CAB	Drawn By: KER	Paving and Storm Sewer Details	By
Issued For Bidding: 07-15-22	Issued For Construction: .		Date
Rev			Description



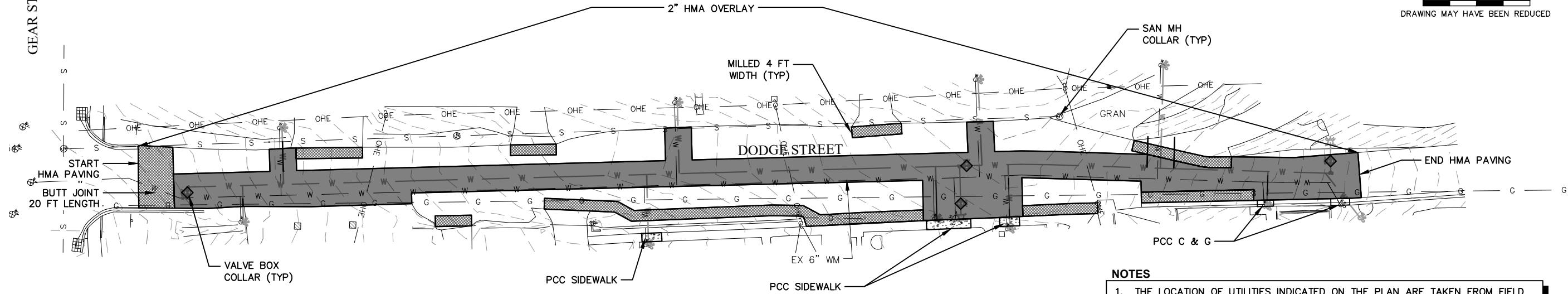
- NOTES:
1. GRATE, FRAME & CURB BOX – NEENAH R-3246AL OR EQUAL.
 2. BACKFILL AROUND CATCH BASIN TO BOTTOM OF PAVEMENT WITH POROUS BACKFILL (GRADATION NO. 29)
 3. CATCH BASINS DEEPER THAN 6'-0" SHALL INCLUDE #4 BARS @ 12" ON CENTER E.W. IN BASE AND SIDEWALLS.

REINFORCING SCHEDULE			
MARK	DIAMETER	LENGTH	SPACING
A	1/2"	1'-0"	17 1/2"
B	1/2"	1'-0"	38"
C	5/8"	8 1/2"	10"
D	5/8"	8 1/2"	11"
E	5/8"	8"	

6 CATCH BASIN 101-B
C6.02 NOT TO SCALE

Drawing Issue Information		Project Description	
Project Mgr: CAB	Drawn By: KER	Paving and Storm Sewer Details	By
Issued For Bidding: 07-15-22	Issued For Construction: .		
Rev	Description		
			Date

GEAR STREET



- NOTES**
1. THE LOCATION OF UTILITIES INDICATED ON THE PLAN ARE TAKEN FROM FIELD MEASUREMENTS, MAPS, AND EXISTING PUBLIC RECORDS. ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN MAY BE PRESENT, INCLUDING PRIVATE LINES. THE UTILITIES PRESENT MAY NOT EXIST AS SHOWN. IT SHALL BE THE DUTY OF ANYONE MAKING USE OF THESE PLANS TO ASCERTAIN THE EXACT LOCATION, SIZE AND ELEVATION OF ALL UTILITIES PRESENT.
 2. COORDINATE EXACT MILLING AND HMA OVERLAY EXTENTS WITH CITY ENGINEER.

LEGEND

- 4" HMA OVERLAY WATER MAIN & SERVICE TRENCHES
- MILLED 2" DEPTH WITH 2" HMA OVERLAY



HORIZONTAL SCALE IN FEET
0 20 40
DRAWING MAY HAVE BEEN REDUCED

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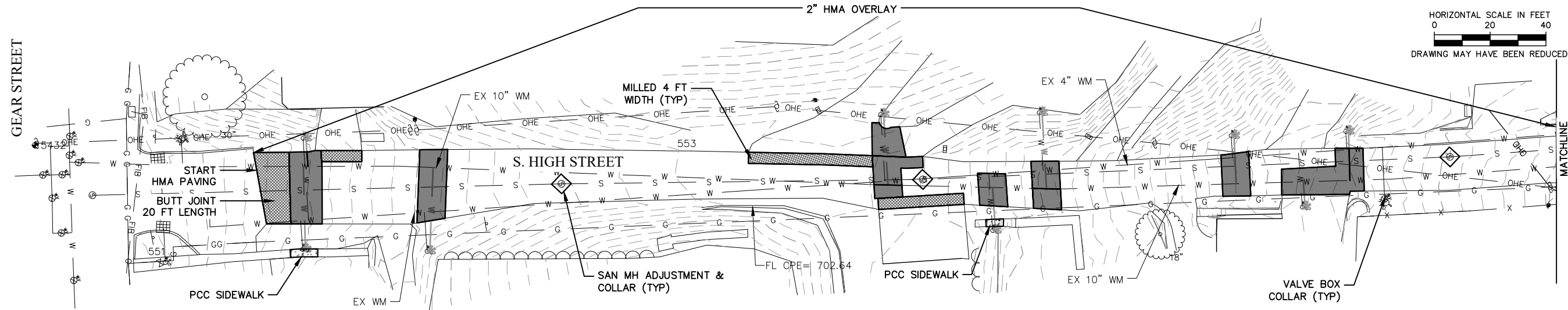
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**PAVING AND STORM SEWER
PLAN**
DODGE STREET
CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
P:\22112\DRAWINGS\CIVIL\22112_ZZ_06_PP-DODGE_ST_HIGL STDWG 7/15/2022 2:02 PM BRYSON WINSKY

Drawing Issue Information		Project Description	
Project Mgr: CAB	Drawn By: KER	PAVING AND STORM SEWER PLAN DODGE STREET CITY OF GALENA, ILLINOIS UTILITY SYSTEMS IMPROVEMENTS 2022 WEST STREET, DODGE STREET, AND HIGH STREET	By
Issued For Bidding: 07-15-22	Issued For Construction: .		
Rev	Description		

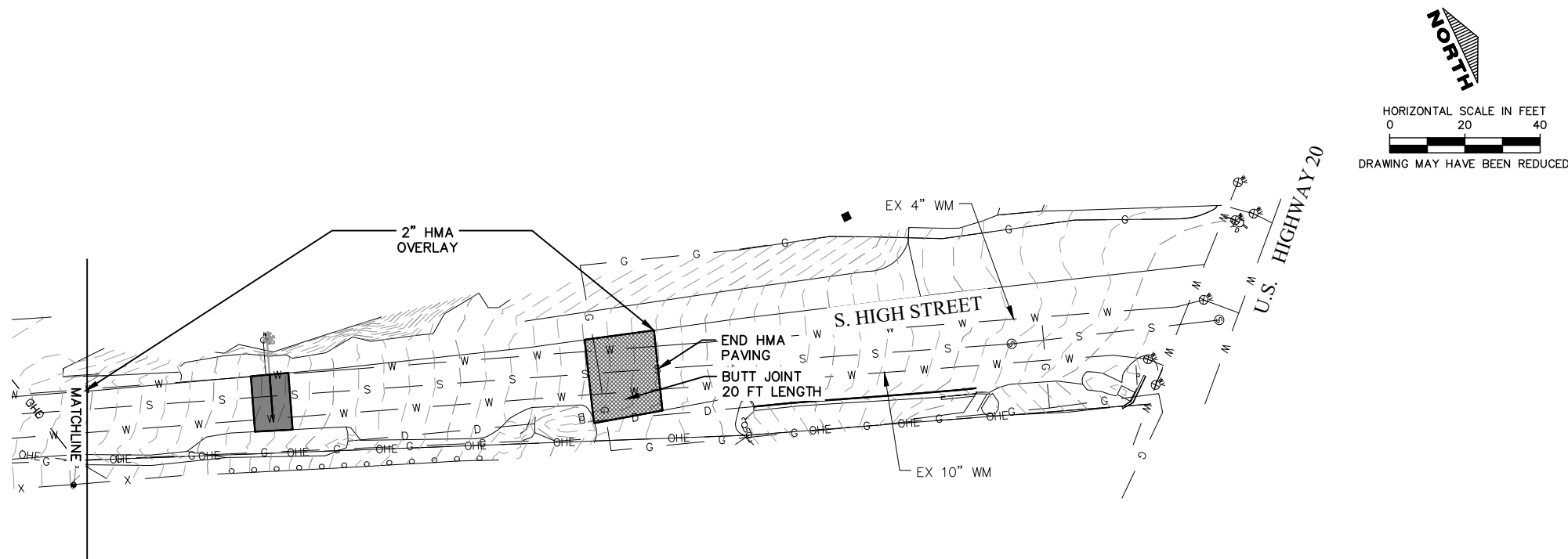
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Project No: 22112



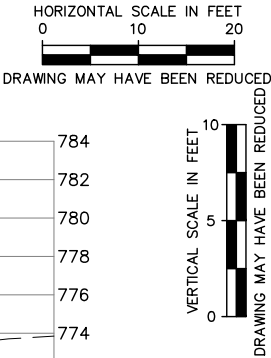
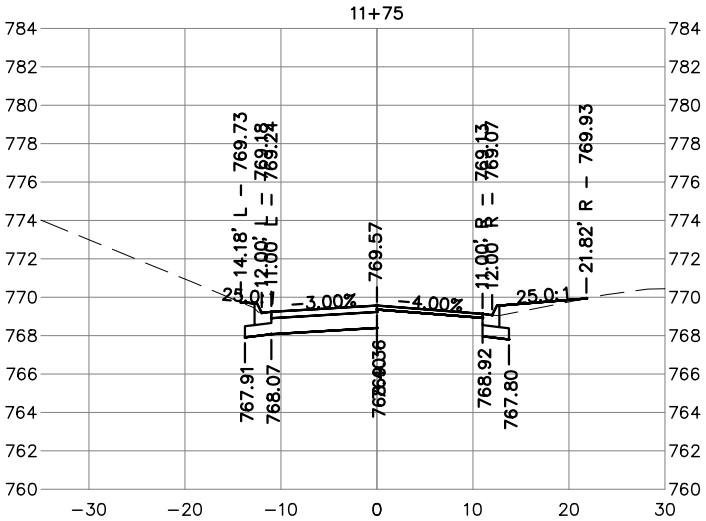
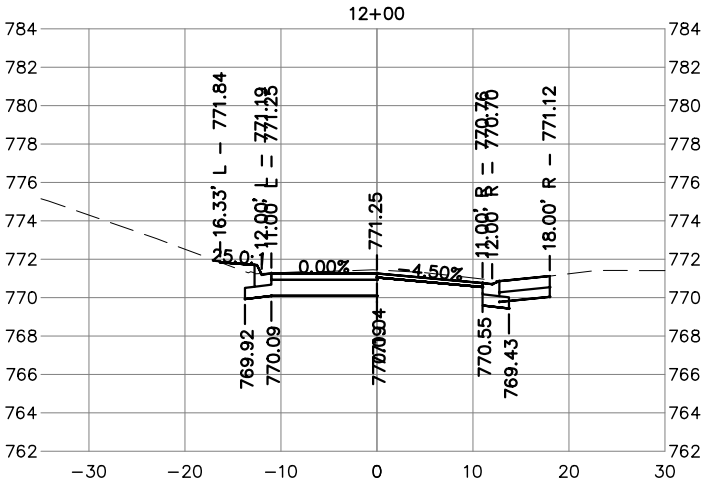
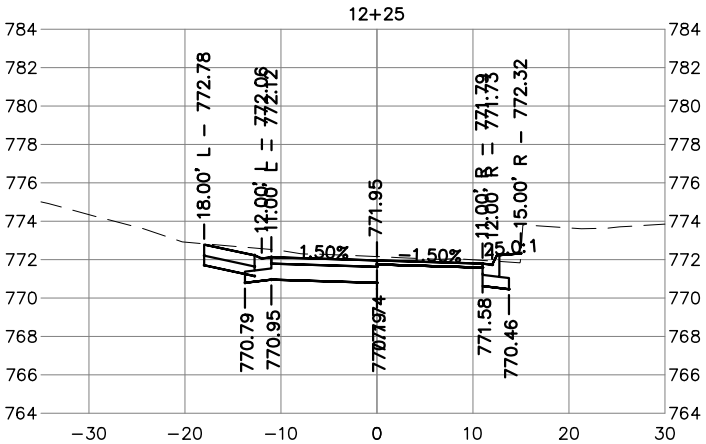
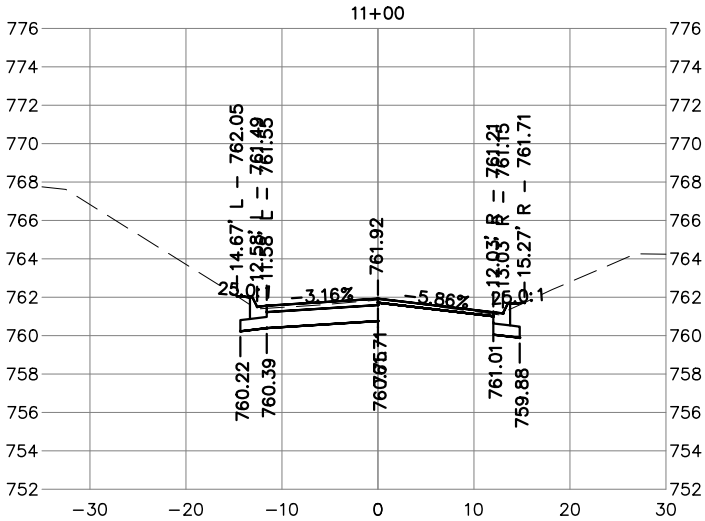
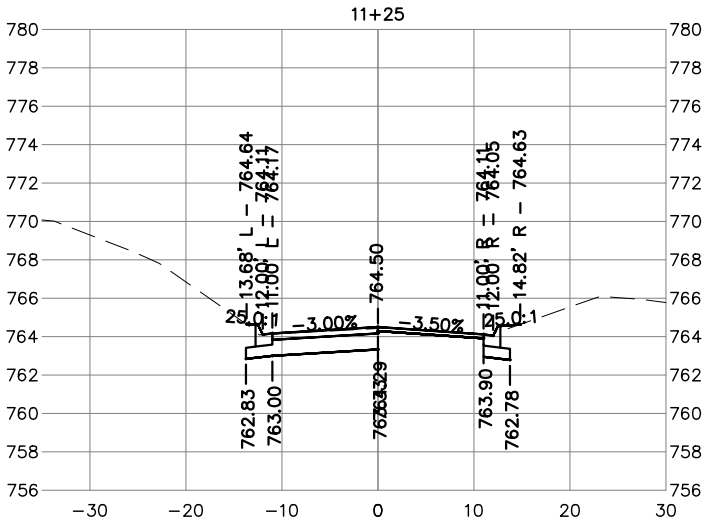
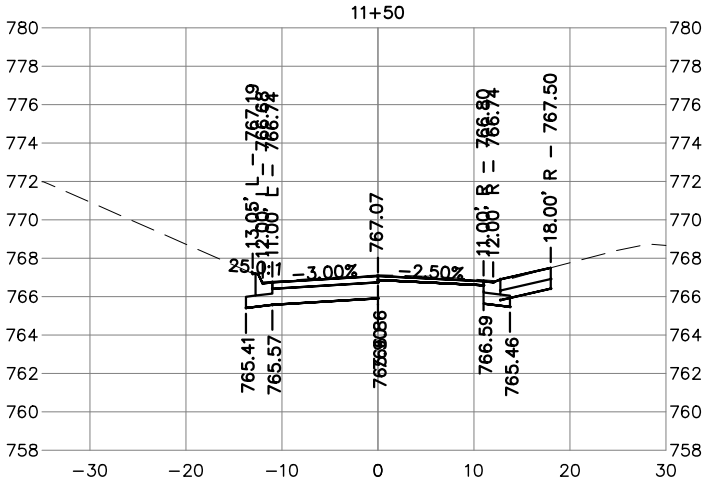
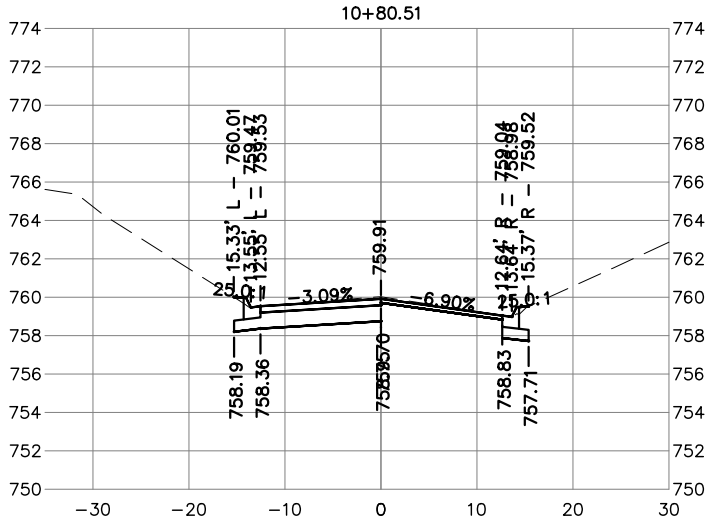
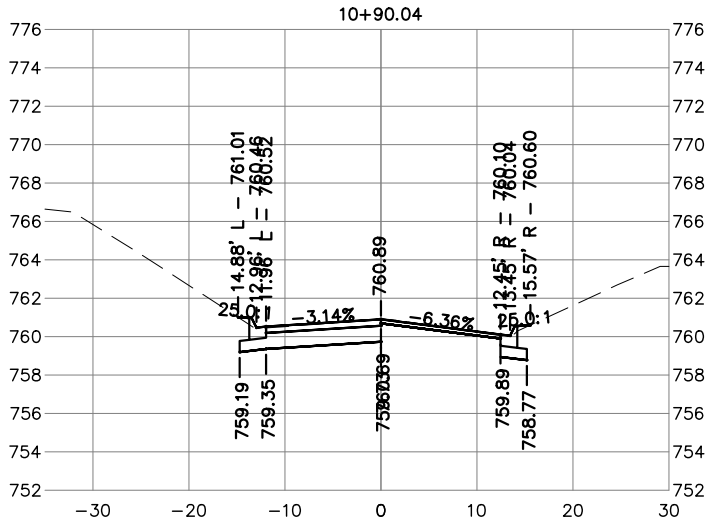
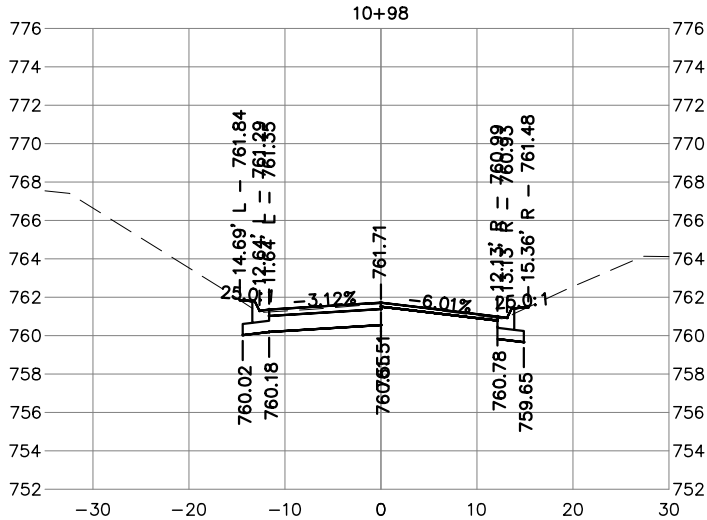
LEGEND

- 4" HMA OVERLAY WATER MAIN & SERVICE TRENCHES
- MILLED 2" DEPTH WITH 2" HMA OVERLAY

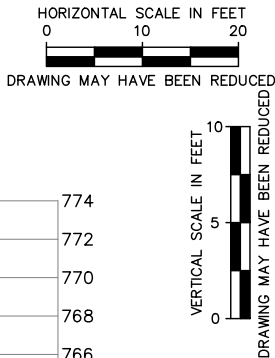
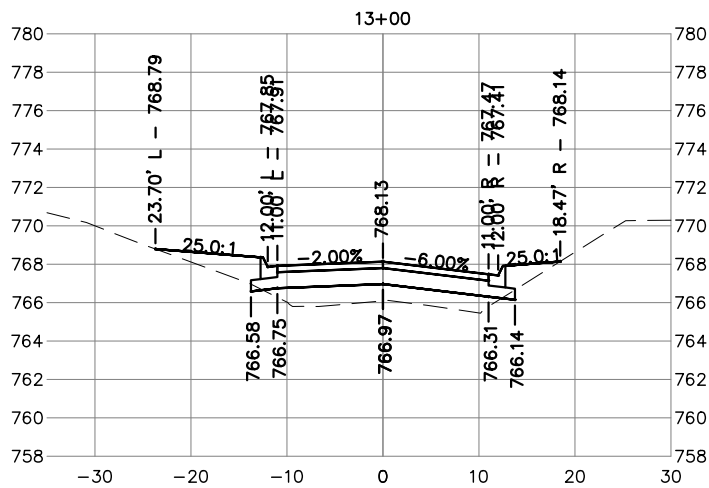
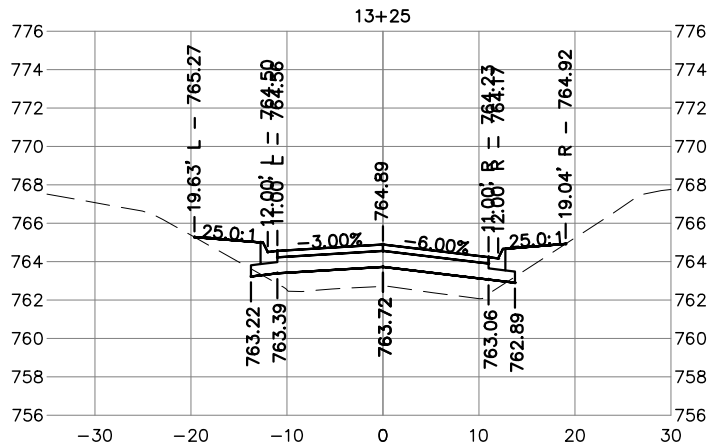
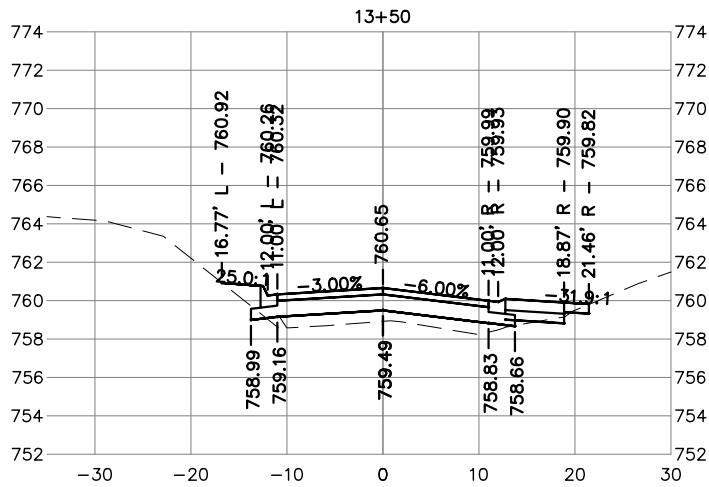
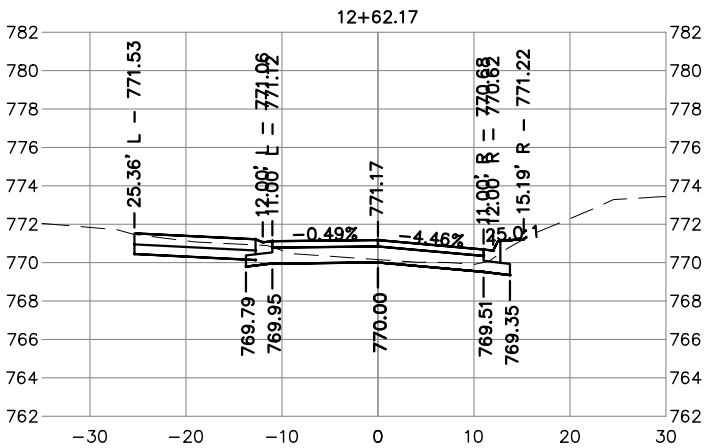
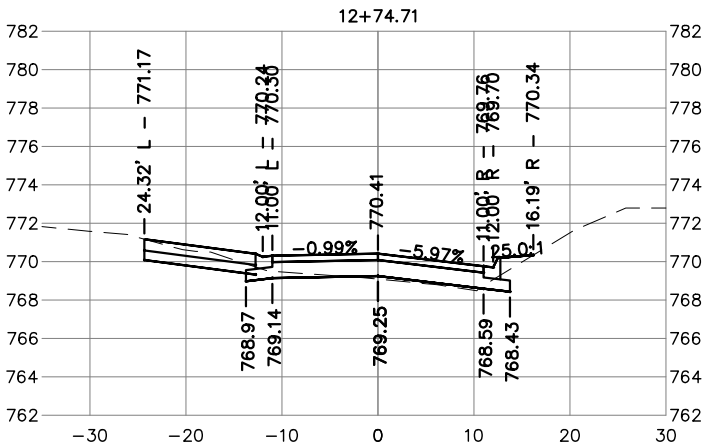
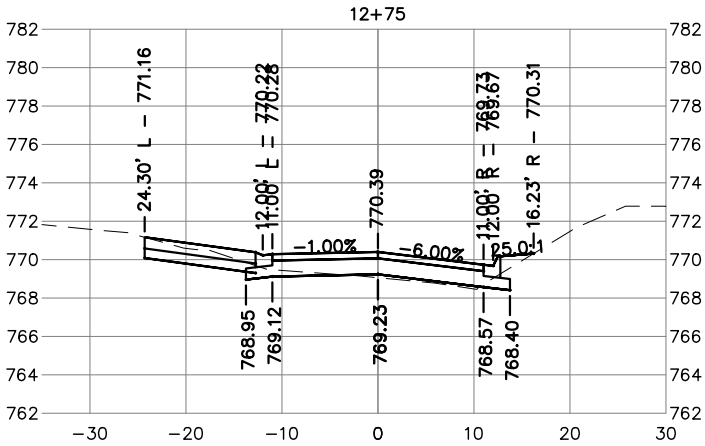
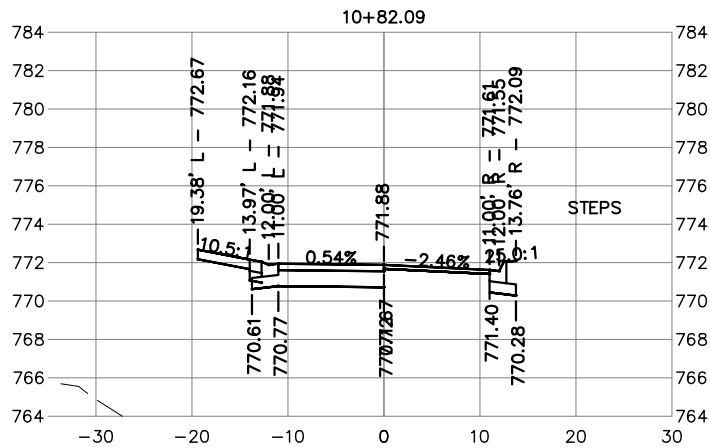
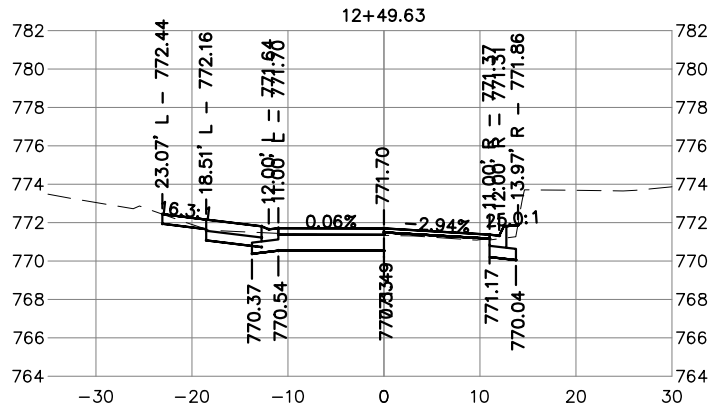
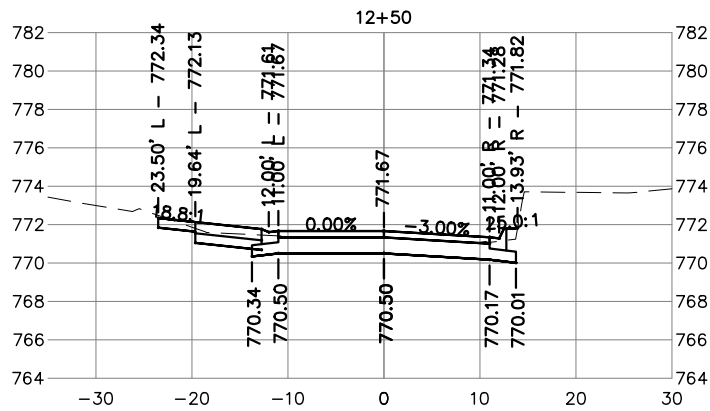


- NOTES**
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Drawing Issue Information		Project Description	
Project Mgr: CAB	Drawn By: KER	SOUTH HIGH STREET CITY OF GALENA, ILLINOIS UTILITY SYSTEMS IMPROVEMENTS 2022 WEST STREET, DODGE STREET, AND HIGH STREET	By
Issued For Bidding: 07-15-22	Issued For Construction:		
Rev	Description		



Drawing Issue Information		Project Mgr: CAB		Drawn By: KER	
		Issued For Bidding: 07-15-22		Issued For Construction: .	
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Rev		Description		Date	By



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CROSS SECTIONS
SOUTH WEST STREET

CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET

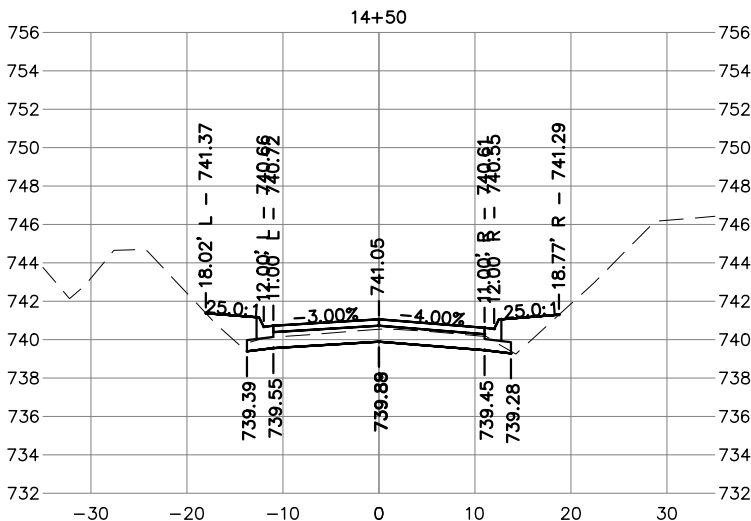
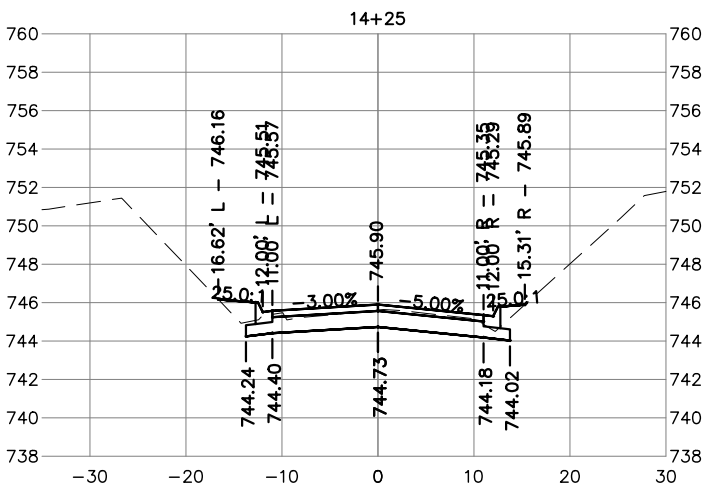
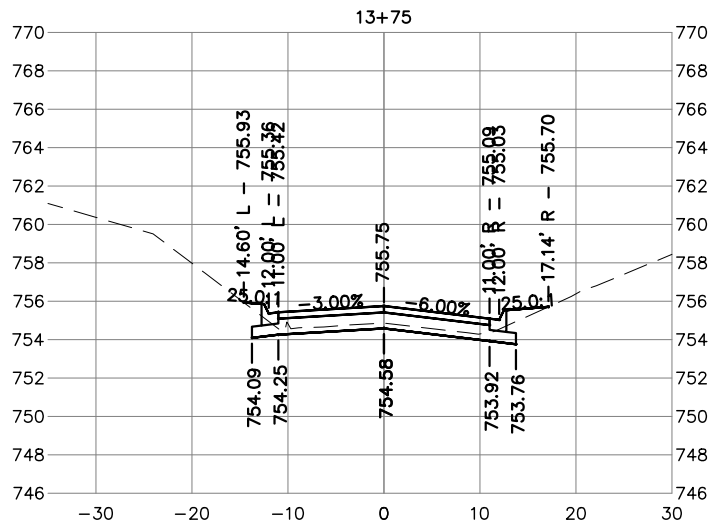
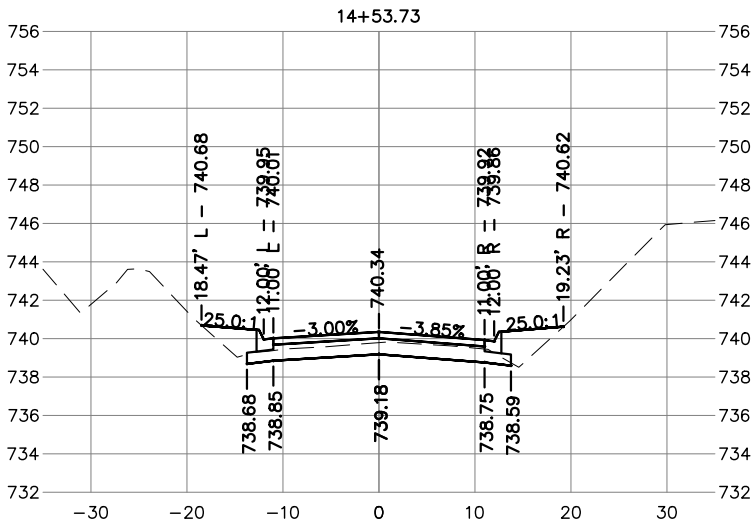
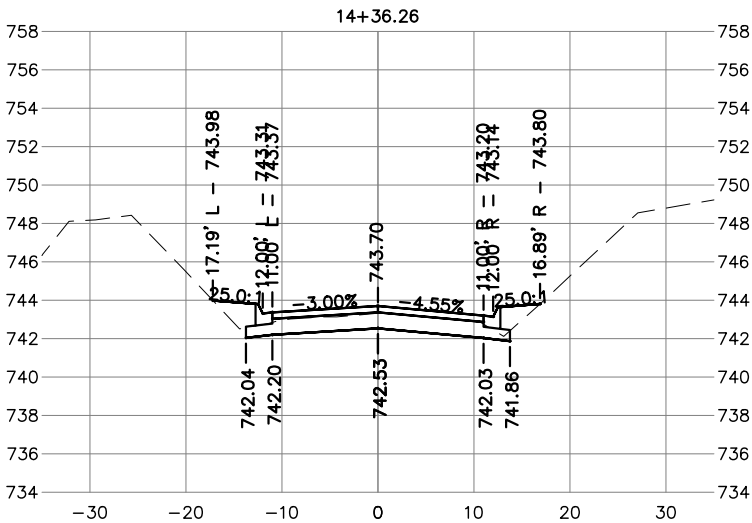
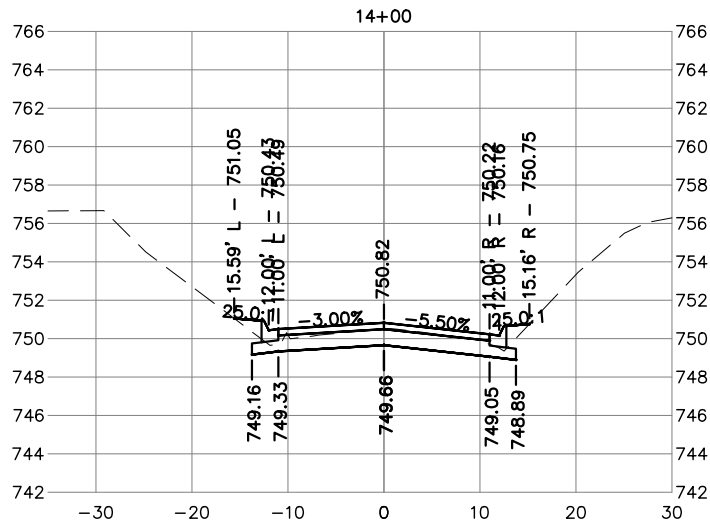
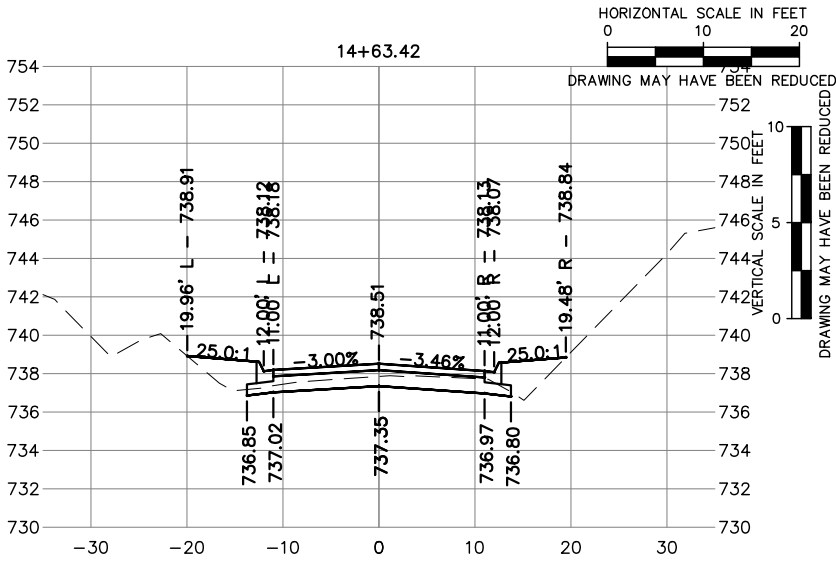
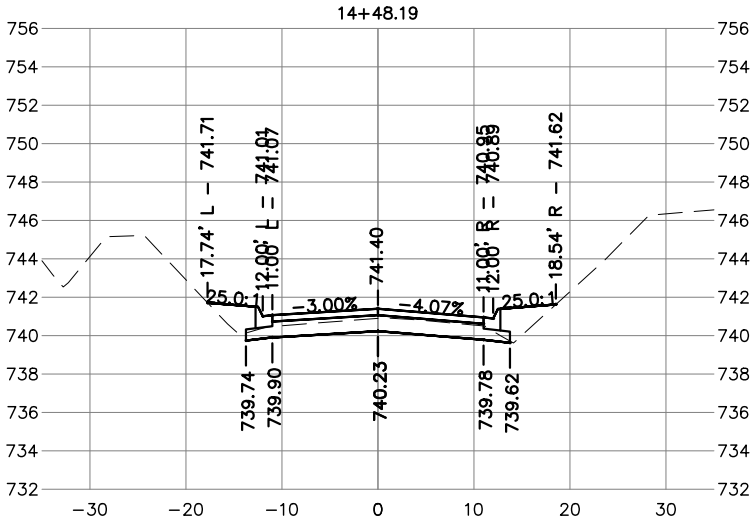
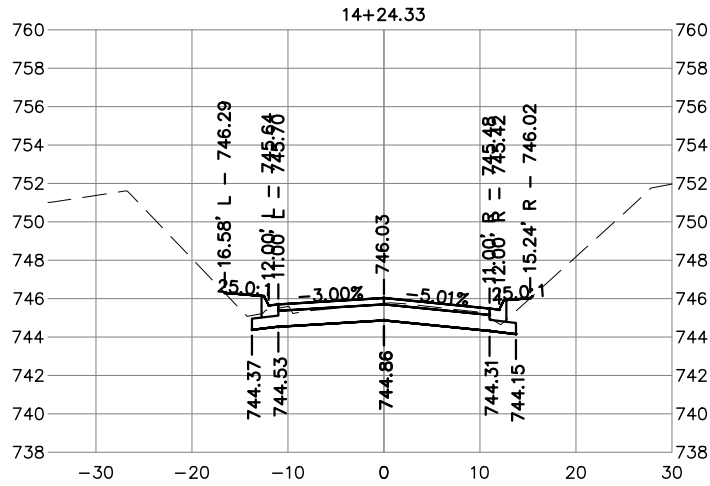
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Drawing Issue Information		Project Description	
Project Mgr: CAB	Drawn By: KER	Project Description	By
Issued For Bidding: 07-15-22	Issued For Construction: .		
Rev	Description	Date	By

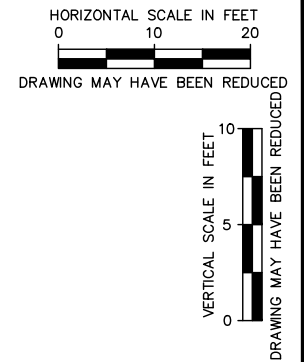
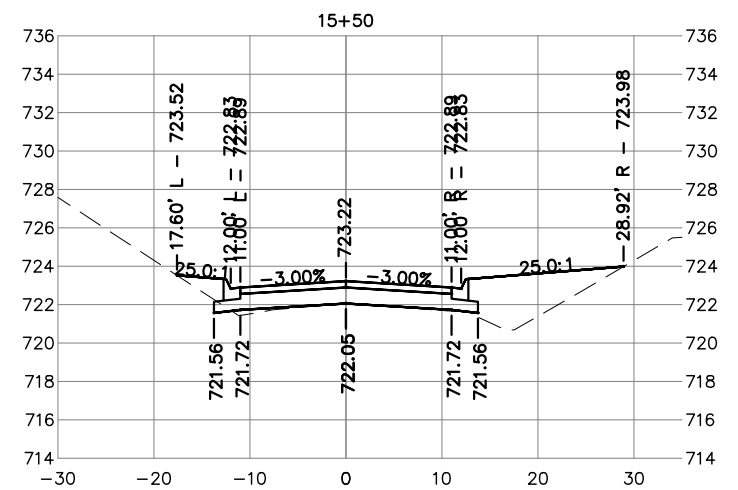
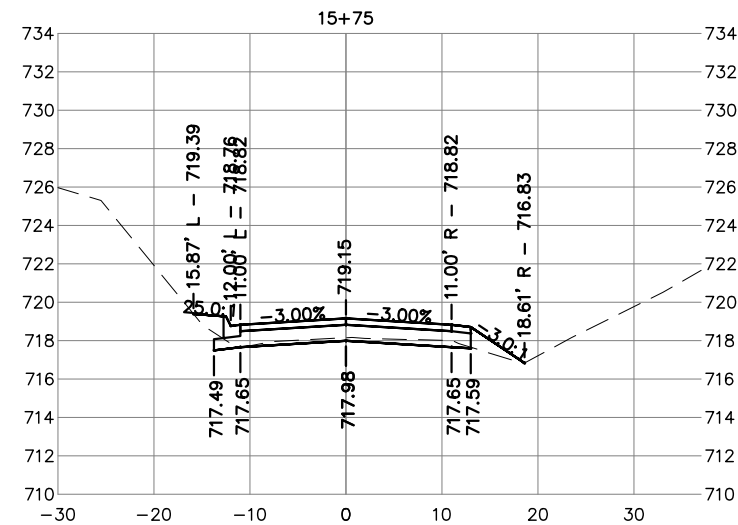
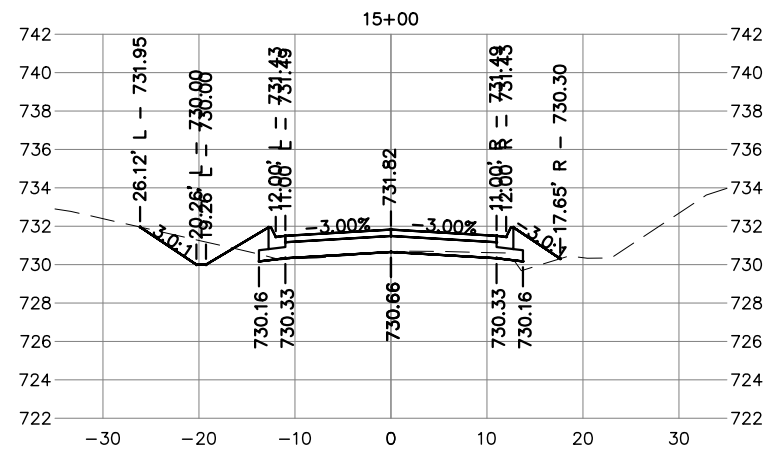
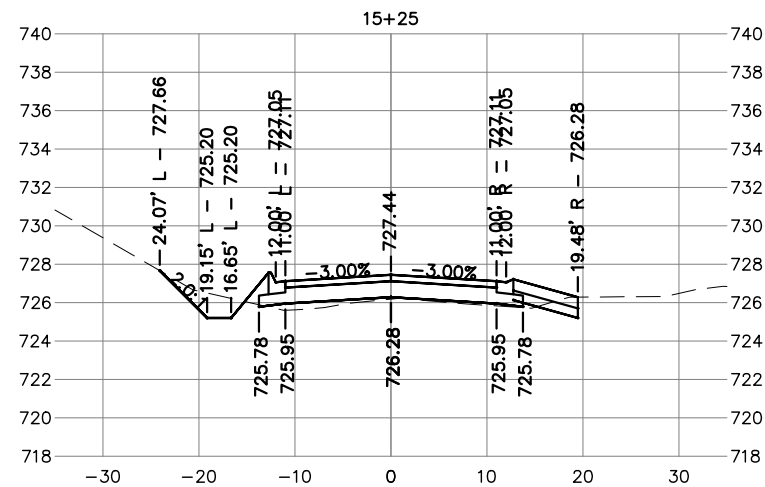
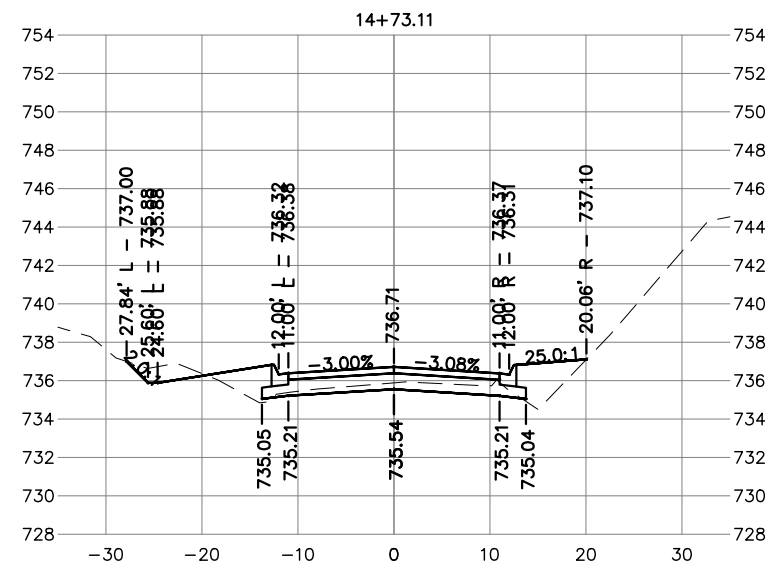
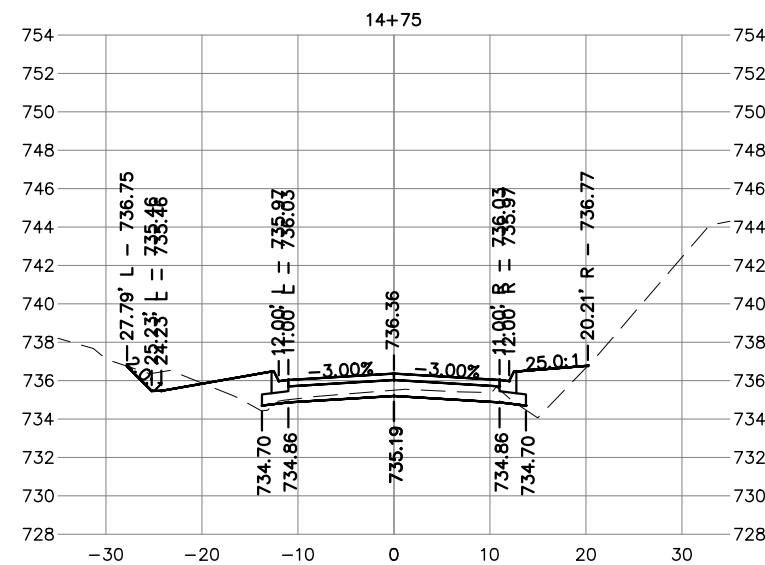
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Project No: 22112



Drawing Issue Information		Project Description	
Project Mgr: CAB	Drawn By: KER	Description	Date
Issued For Bidding: 07-15-22	Issued For Construction: .		
Rev			



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CROSS SECTIONS SOUTH WEST STREET

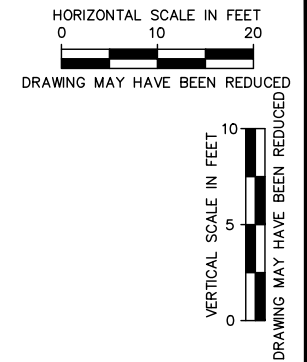
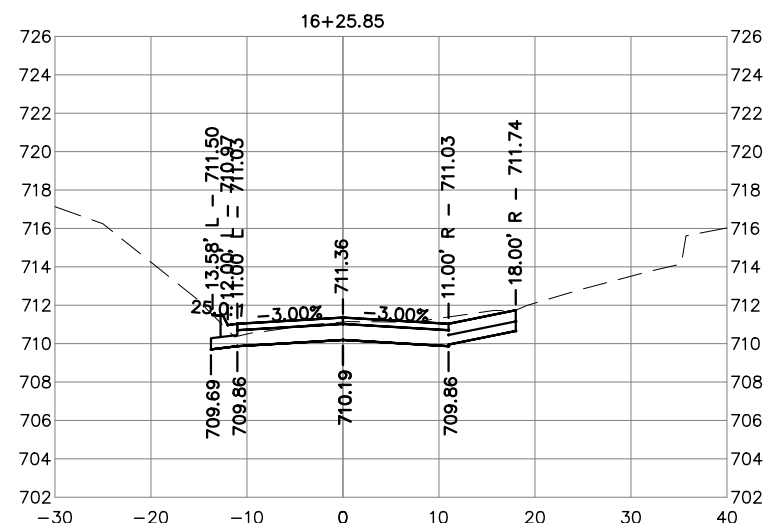
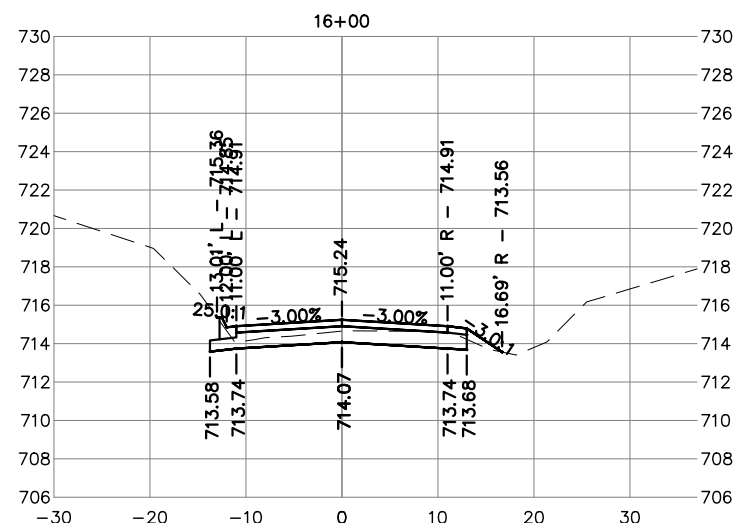
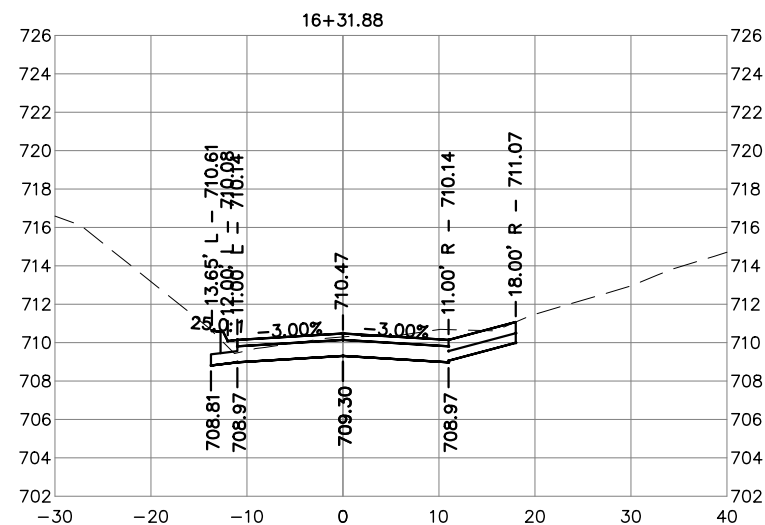
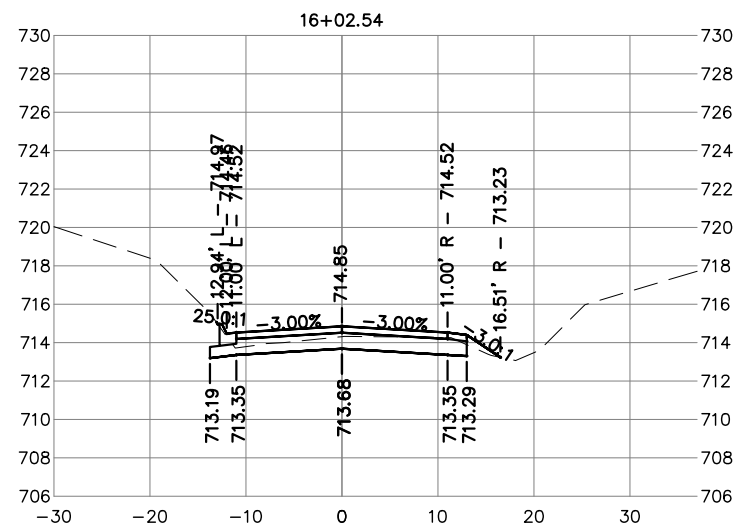
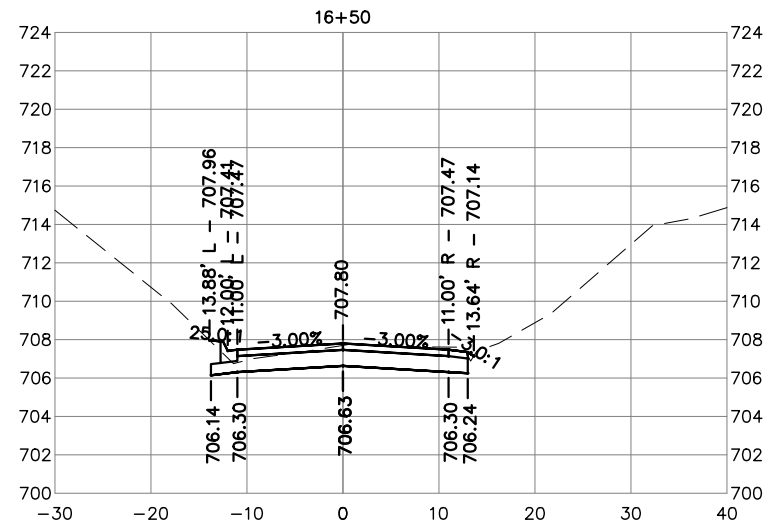
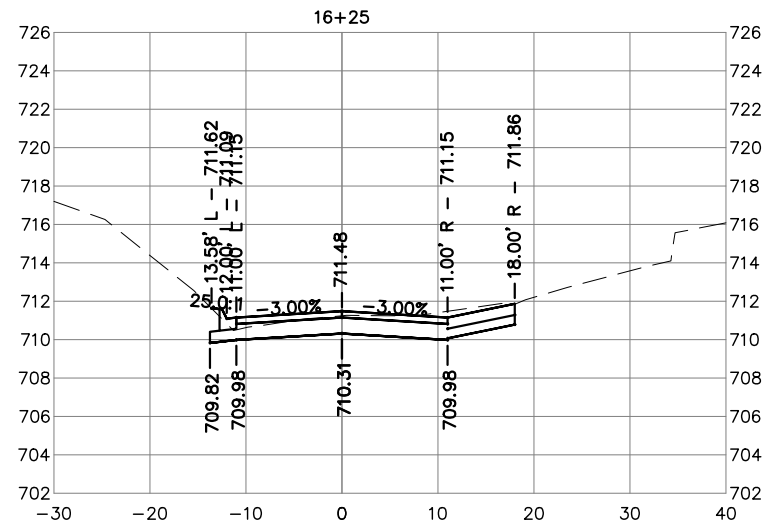
CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
P. 22-112 DRAWINGS 09/12/21 22-11-35-WEST/SDWG 7/15/2022 2:02 PM BRYSON, WINSTON

Drawing Issue Information		Drawn By: KER	
Project Mgr: CAB		Issued For Bidding: 07-15-22	
Issued For Construction: .			
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Rev	Description	Date	By

Sheet No:

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Project No: 22112



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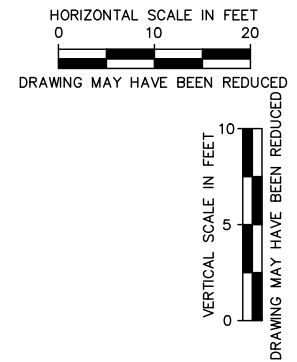
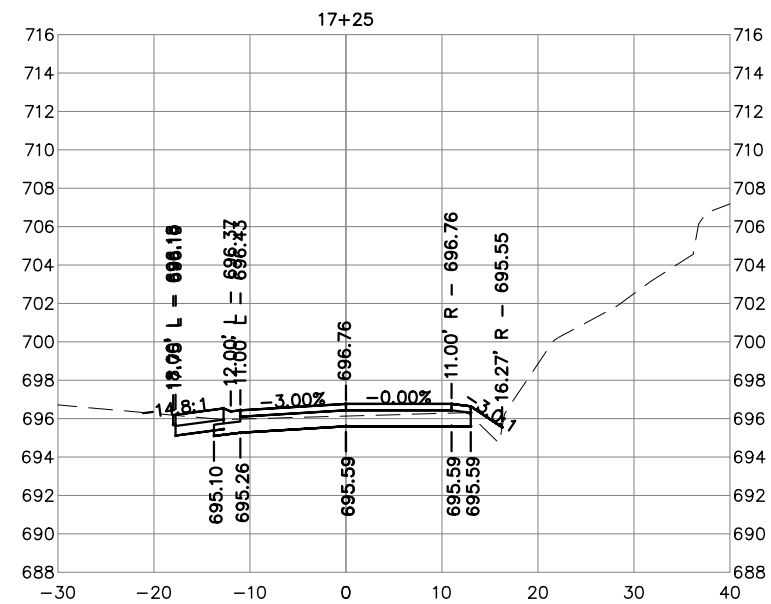
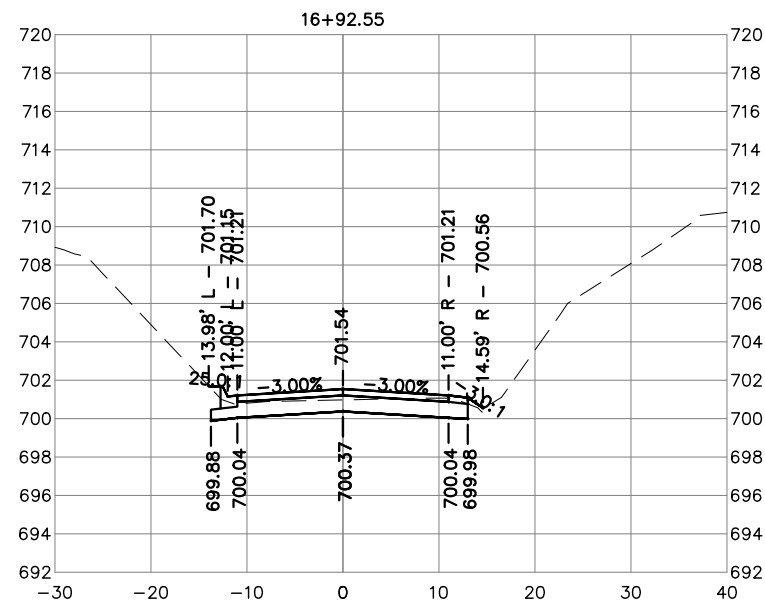
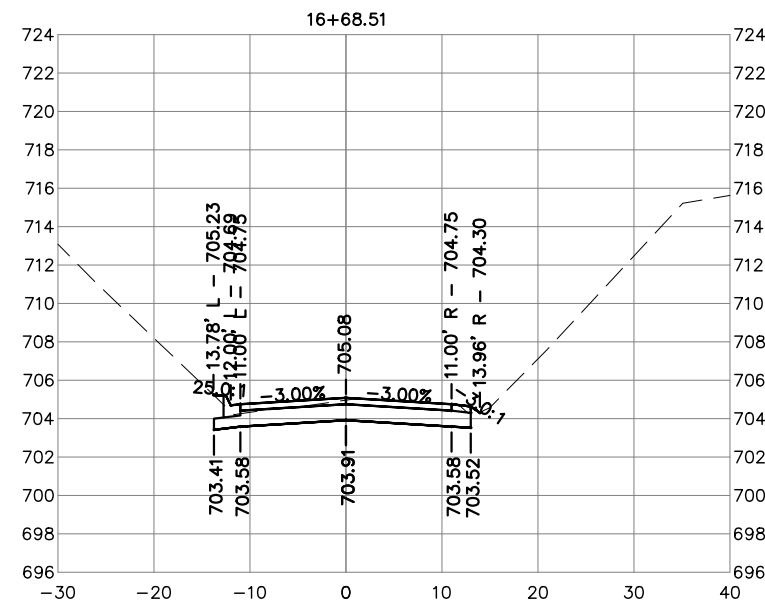
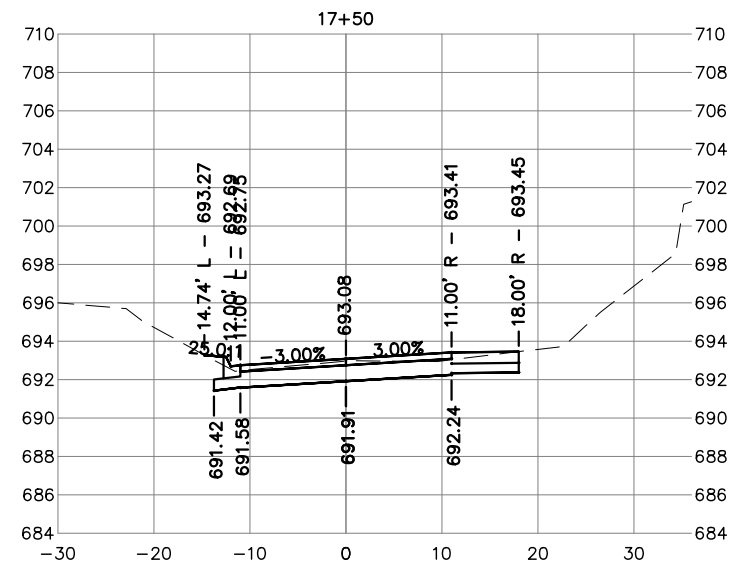
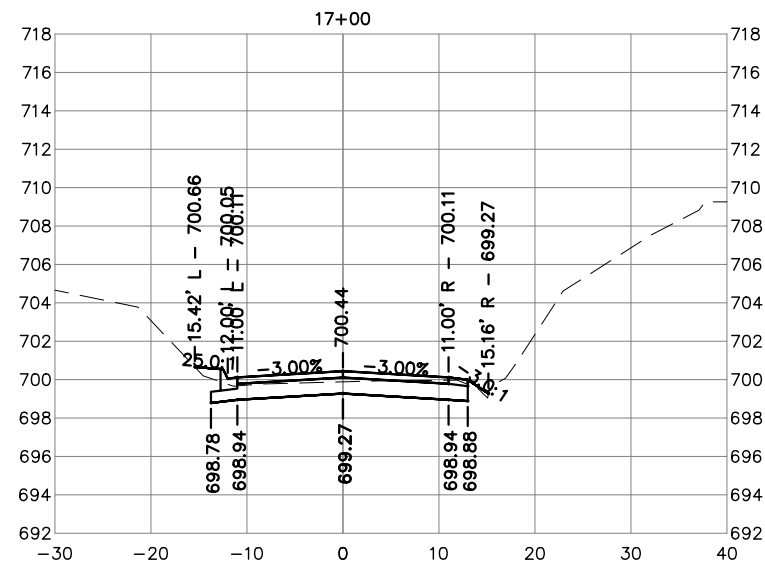
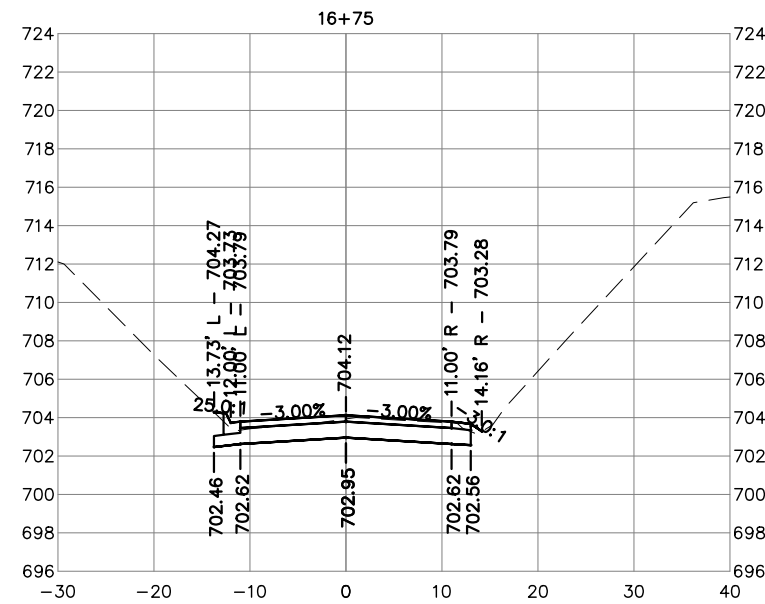
CROSS SECTIONS SOUTH WEST STREET

CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
P. 22(112) DRAWINGS 001L2212.ZZ -11 JS--WEST.DWG 7/15/2022 2:02 PM BRYSON, MINNSKY

Drawing Issue Information		Drawn By: KER
Project Mgr: CAB		
Issued For Bidding: 07-15-22		Issued For Construction: .
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Rev	Description	Date By

C11.05

Project No: 22112



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CROSS SECTIONS
SOUTH WEST STREET

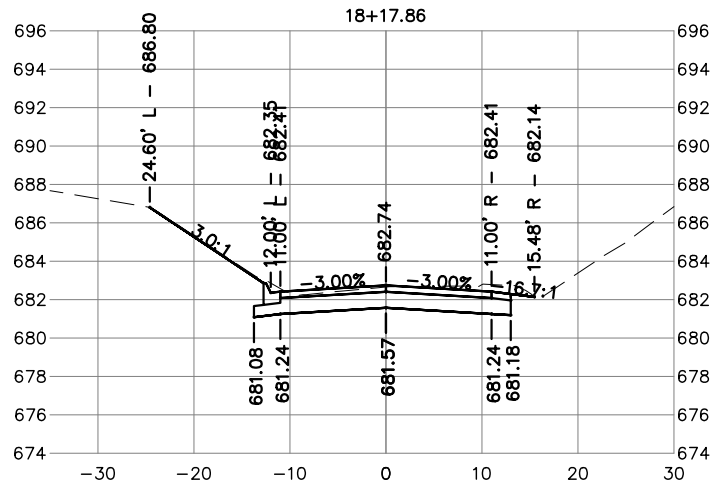
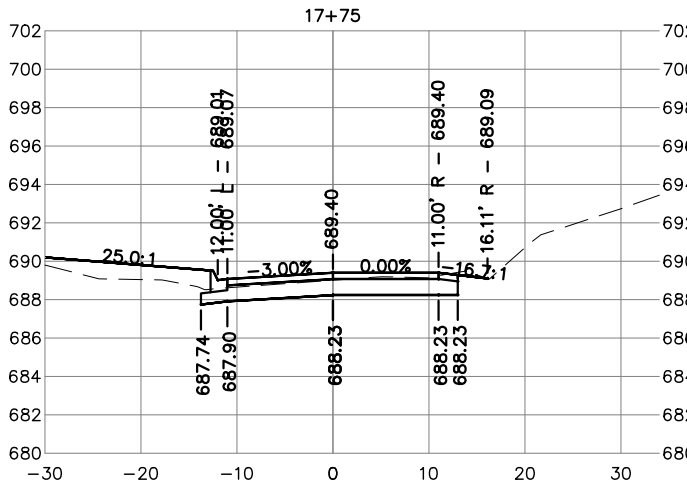
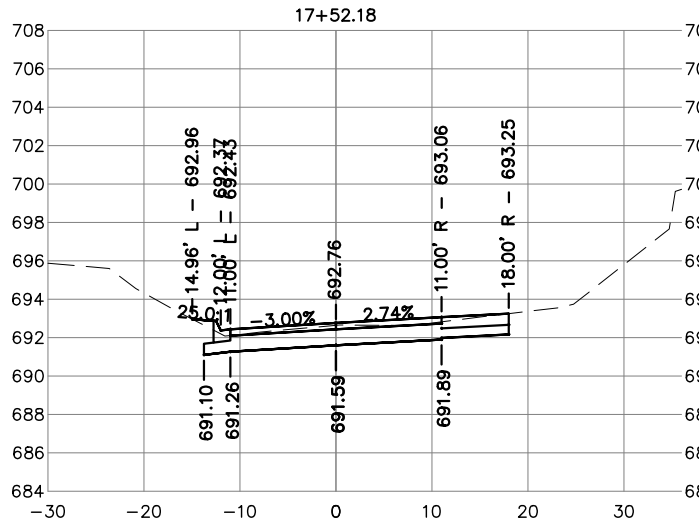
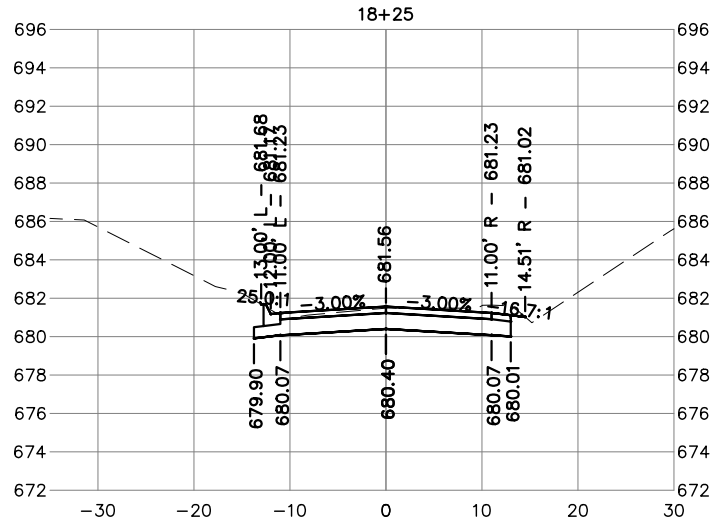
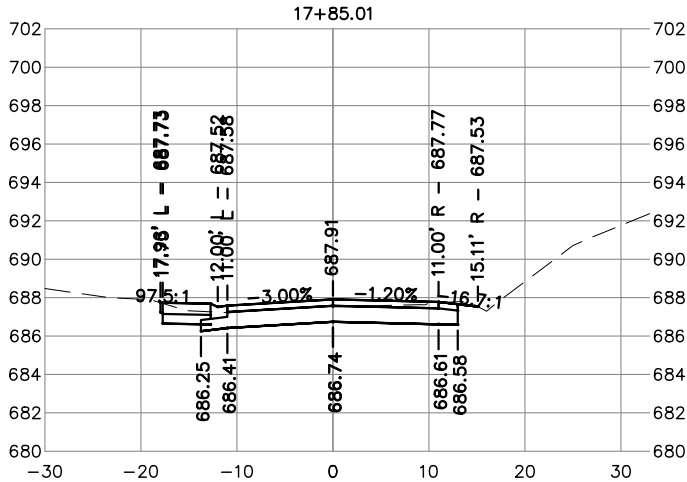
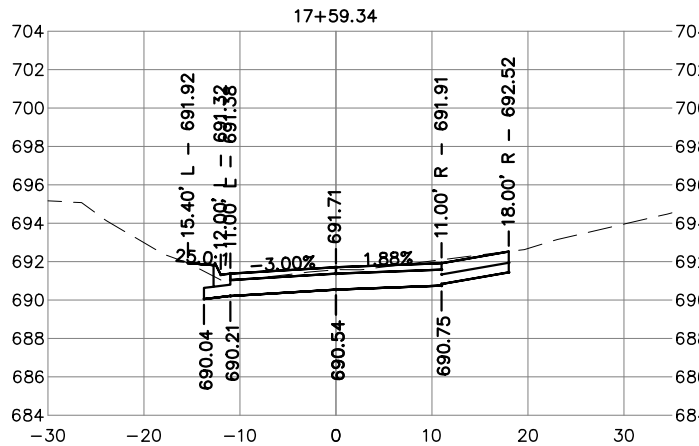
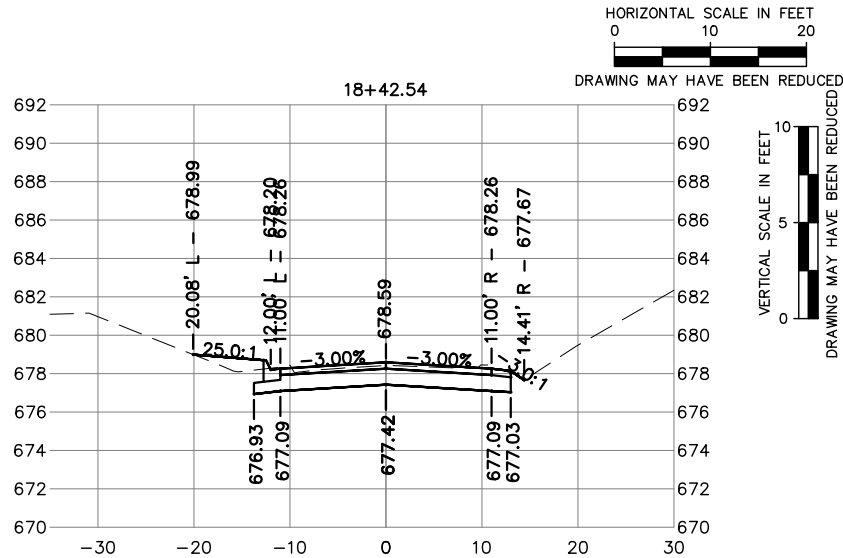
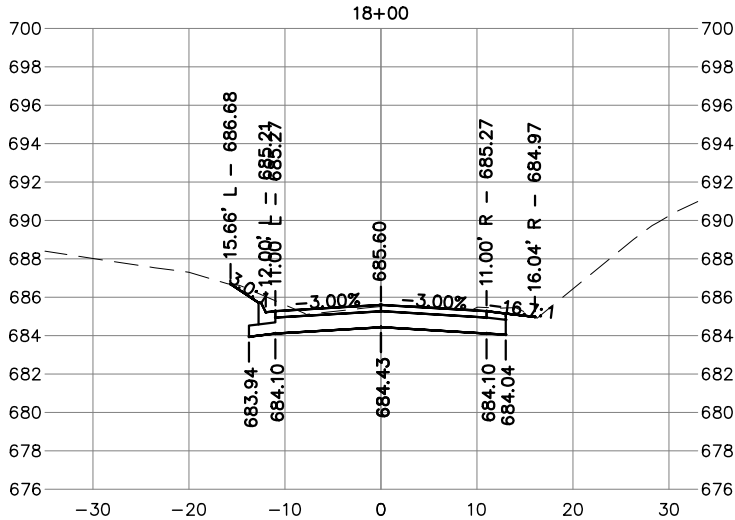
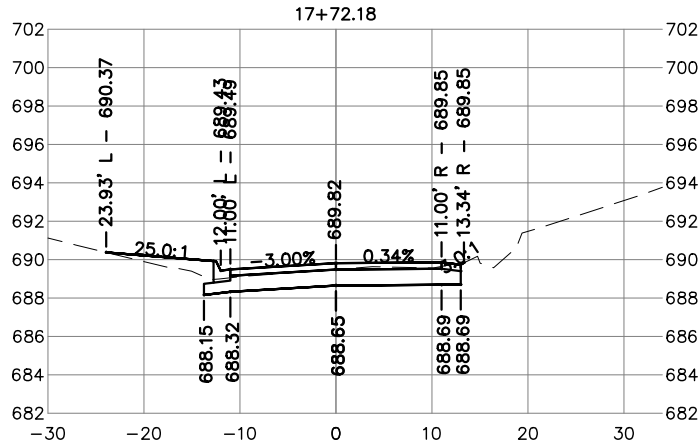
CITY OF GALENA, ILLINOIS
UTILITY SYSTEMS IMPROVEMENTS 2022
WEST STREET, DODGE STREET, AND HIGH STREET
P:\22\112\DRAWINGS\04112212.ZW -112 US-WEST STREET 7/15/2022 2:03 PM BRYSON WINSKY

Drawing Issue Information		Drawn By: KER	
Project Mgr: CAB		Issued For Bidding: 07-15-22	
Issued For Construction: .			
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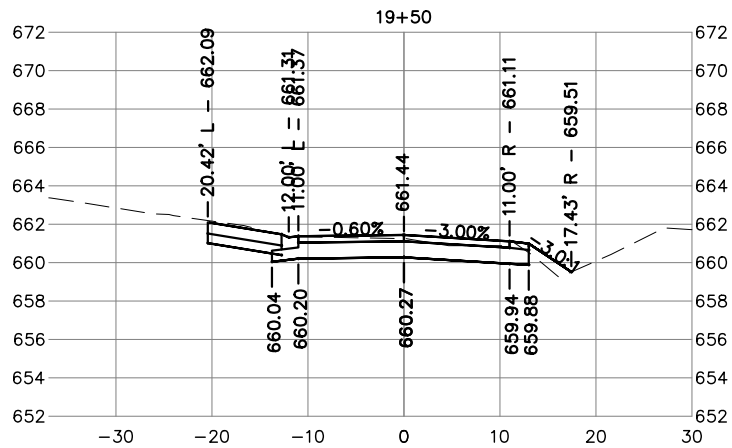
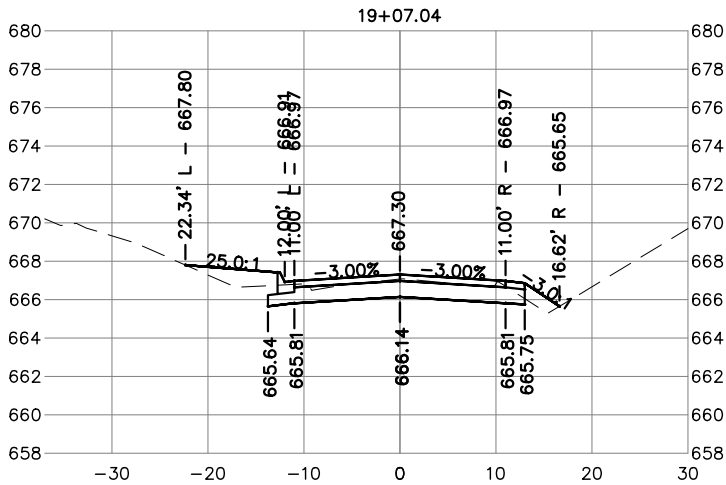
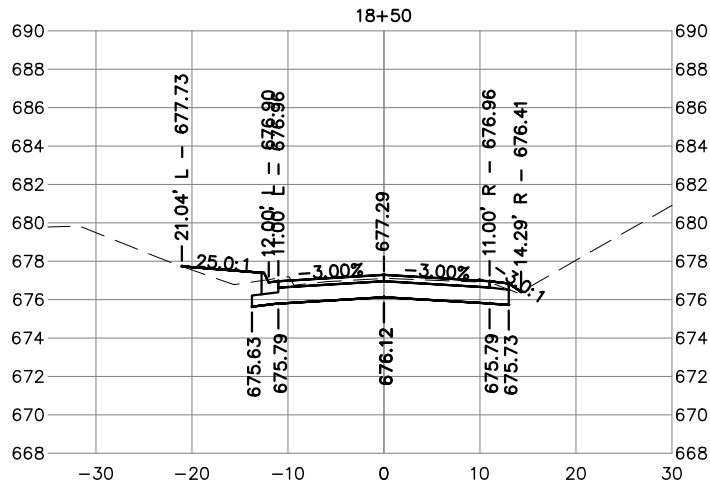
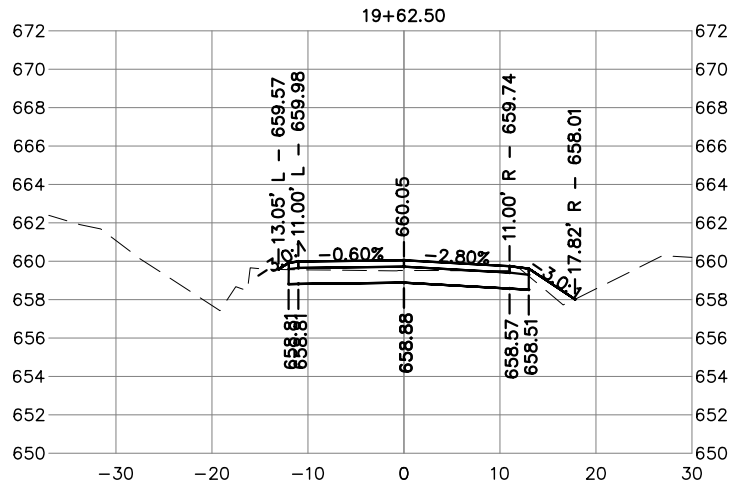
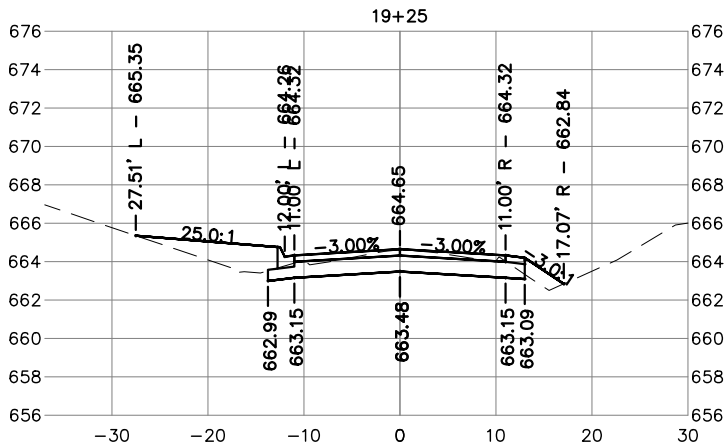
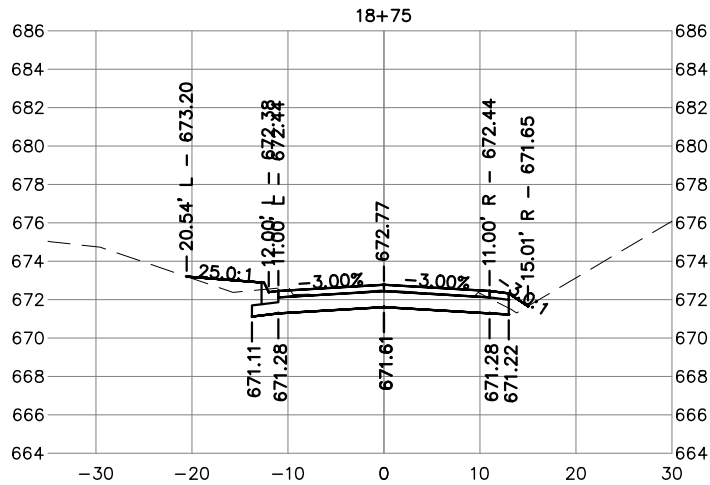
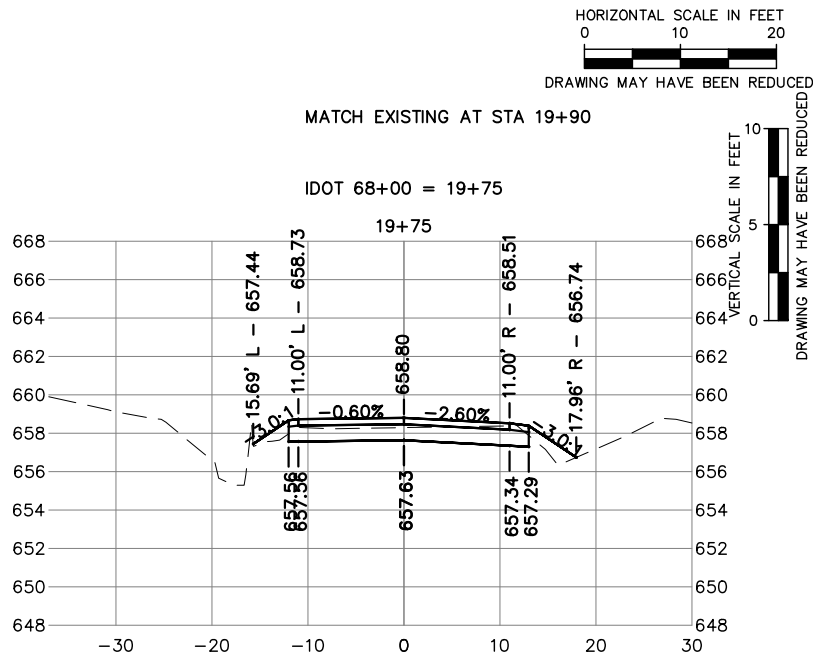
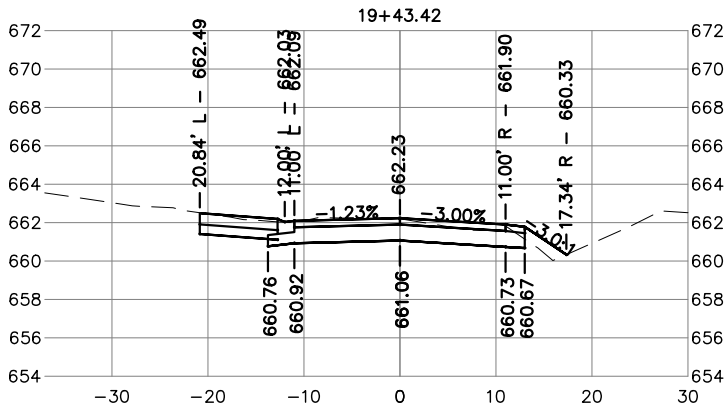
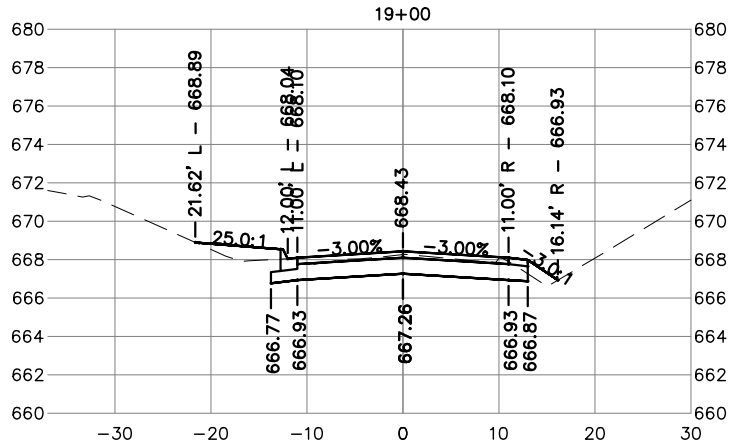
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Project No: 22112



Drawing Issue Information		Project Description	
Project Mgr: CAB	Drawn By: KER	Project Description	By
Issued For Bidding: 07-15-22	Issued For Construction: .		
Rev	Description	Date	By



Drawing Issue Information		Project Description	
Project Mgr: CAB	Drawn By: KER	Project Description	By
Issued For Bidding: 07-15-22	Issued For Construction: .		
Sheet No:		Description	Date