

C:\Users\jw\OneDrive - CJW Transportation\Documents - CJW PROJ\JCT\2024\1423 Jackson Street Sidewalk Project\Design.dwg - COVER.dwg - LAST SAVED: 3/22/2025 2:02:08 PM - PLOTTED: 3/22/2025 11:44:27 AM

UTILITY COMPANIES

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CONSTRUCTION & ENGINEERING
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RANDY BROWN
CITY OF WILLARD
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GAS
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MONETT, MO 65708
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KYLE KELLER
1535 S. ENTERPRISE AVE.
SPRINGFIELD, MO 65804
TEL. (417) 496-8577

GENERAL NOTES:

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO BEGINNING OF CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CORRECT ANY DAMAGE TO UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS DUE TO HIS OPERATIONS.
- ALL IMPROVEMENTS TO PEDESTRIAN AREAS SHALL MEET ALL A.D.A. REQUIREMENTS ACCORDING TO LATEST APPLICABLE GUIDELINES.
- ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

UTILITY NOTES

- EXISTING UTILITIES SHOWN ARE BASED ON ENGINEER'S CONTACT WITH UTILITY AGENCIES AND TOPOGRAPHIC SURVEY, AND ARE BELIEVED TO REASONABLY REPRESENT EXISTING LOCATIONS. HOWEVER, THE ENGINEER AND OWNER MAKE NO GUARANTEE AS TO ACCURACY OR COMPLETENESS OF INFORMATION SHOWN. THE CONTRACTOR SHALL NOTIFY ALL UTILITY AGENCIES PRIOR TO BEGINNING WORK AND SHALL COOPERATE WITH THEM IN LOCATING AND PROTECTING THEIR FACILITIES.
- PUBLIC AND PRIVATE UTILITY FACILITIES SHALL BE MOVED OR ADJUSTED PRIOR TO CONSTRUCTION AS NECESSARY BY THE CONTRACTOR TO FIT THE CONSTRUCTION UNLESS NOTED ON THE PLANS OR IN THE PROPOSAL. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

DISCLAIMER:

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF HE OBSERVES CONDITIONS IN THE FIELD THAT APPEAR TO BE UNFORESEEN OR ARE MATERIALLY DIFFERENT THAN SHOWN ON THE PLANS OR WOULD CAUSE THE DESIGN, AS SHOWN ON THE PLANS OR THE SPECIFICATIONS, TO BE IMPRACTICAL OR INAPPROPRIATE BASED ON CUSTOMARY STANDARDS OF THE INDUSTRY. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER AND RECEIVE WRITTEN DIRECTION BEFORE MAKING ANY MODIFICATION TO THE PLANS OR SPECIFICATIONS.

THE ENGINEER DISCLAIMS THE RESPONSIBILITY FOR ANY ACTIONS TAKEN BY THE CONTRACTOR NOT IN COMPLIANCE WITH THE ABOVE.

COUNTY LOCATION MAP



GREENE CO.

PUBLIC IMPROVEMENTS FOR
JACKSON STREET SIDEWALK
CITY OF WILLARD
GREENE COUNTY, MISSOURI
SEC. 25 T30N, R23W



LOCATION MAP

BENCHMARK NOTES:

HORIZONTAL CONTROL IS BASED UPON A MODIFIED STATE PLANE COORDINATE SYSTEM. THE COORDINATE VALUES SHOWN ON THIS SURVEY WERE DERIVED BY USING PUBLISHED VALUES ON MISSOURI DEPARTMENT OF NATURAL RESOURCES HORIZONTAL CONTROL MONUMENT NAME GR-56, SCALING THE PUBLISHED VALUES UP FROM A GRID POSITION TO A GROUND POSITION USING A COMBINED GRID FACTOR OF 1.000042002, AND THEN CONVERTING THE VALUES FROM METRIC UNITS TO ENGLISH UNITS. MO DNR MONUMENT GR-56 IS IN THE MISSOURI STATE PLANE COORDINATE SYSTEM 1983, CENTRAL ZONE. (1 METER = 3.28083333 FEET)

THE PUBLISHED VALUES FOR STATION NAME GR-90 ARE NORTH (Y) = 162,074.202M AND EAST (X) = 420,124.923M WITH A PUBLISHED GRID FACTOR OF 0.9999580 (INVERSE=1.000042002).

THE MODIFIED GROUND VALUES FOR STATION NAME GR-56 USED FOR THE PURPOSE OF THIS SURVEY ARE NORTH (Y) = 531,738.4444 FT AND EAST (X) = 1,278,359.8515 FT.

BENCHMARK LOCATIONS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
9	536436.85	1371156.48	1222.77	EIP STRIBLING LC000373
15	536144.53	1371686.00	1228.20	EIP AUSTIN PLS 2000147872

PREPARED AND SUBMITTED BY:

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GARRETT EVANS, P.E.,

APPROVED BY:
CITY OF WILLARD, MISSOURI

CITY ADMINISTRATOR

No.:	Description:	Date:
SHEET LIST TABLE		
SHEET TITLE	SHEET NUMBER	
COVER SHEET	01	
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PRELIMINARY
Not For Construction

JACKSON STREET SIDEWALK IMPROVEMENTS
THE CITY OF WILLARD, MISSOURI
WILLARD, MISSOURI

DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	1" = 100'
SCALE VERT.	N/A

COVER SHEET

SHEET NO. 01

CJW NO. 24123 OF xx

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TEMP. TRAFFIC CONTROL NOTES:

- THE CONTRACTOR SHALL MAINTAIN ACCESS FOR RESIDENTIAL AND COMMERCIAL DRIVEWAYS AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN ALL SIGNALIZED INTERSECTIONS LOCATED WITHIN THE WORK ZONE AT ALL TIMES.
- ALL EXISTING SIGNS SHALL BE MAINTAINED AND RELOCATED WHEN NECESSARY. SIGNING SHALL BE INSTALLED PRIOR TO OPENING ANY SECTION OF THE ROADWAY FOR TRAFFIC.
- DISTANCES MAY BE SHORTENED BETWEEN ADVANCE WARNING SIGNS AS APPROVED BY THE CITY OR ENGINEER.
- PAVEMENT MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED OR OBLITERATED. TEMPORARY MARKINGS SHALL BE USED AS NECESSARY.
- LOCATION AND SPACING OF SIGNS, AND BUFFER SPACE MAY BE ADJUSTED IN THE FIELD TO MORE ACCURATELY REFLECT ACTUAL CONDITIONS WITH APPROVAL OF THE ENGINEER.
- CHANNELIZERS SHALL BE PLACED OFF OF THE PAVEMENT WHEN WORK IS NOT IN PROGRESS UNLESS LANE CLOSURE IS IN EFFECT.
- THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. CHANNELIZING DEVICES SHOULD BE 5-10 FEET APART AROUND SHORT RADI.
- THE CONTRACTOR SHALL MAINTAIN MINIMUM 10' WIDE LANES AT ALL TIMES.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- SUPPLEMENTAL WARNING METHODS MAY BE USED TO CALL ATTENTION TO THE WORK ZONE.
- CONES MAY BE USED FOR DAYLIGHT OPERATION ONLY.
- BARRICADES REQUIRE LIGHTS IF USED OVERNIGHT.
- IF APPLICABLE, OTHER APPROPRIATE SIGNS MAY BE USED IN LIEU OF THE "ROAD WORK AHEAD" SIGN.
- SUPPLEMENTAL WARNING METHODS MAY BE USED TO CALL ATTENTION TO THE WORK ZONE.
- FOR MOBILE OPERATIONS WHERE WORKERS ARE ON FOOT AND MOVE WITH THE OPERATION, CHANNELIZERS MAY BE REDUCED OR ELIMINATED.
- ALL CONSTRUCTION SIGNS, BARRICADES, DRUMS, MARKINGS AND OTHER TRAFFIC CONTROL DEVICES MUST BE UTILIZED AND MAINTAINED IN COMPLIANCE WITH PART VI OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES"; 2023 EDITION REVISION 1, OR LATEST REVISION THEREOF (MUTCD).
- WHERE FLAGGERS ARE REQUIRED, ADVANCED SIGNING SHALL BE AS PERMITTED BY MUTCD. THE FLAGGER SHALL MEET THE REQUIREMENTS OF MUTCD WITH REGARD TO CHARACTER, ATTIRE, BEHAVIOR, AND MUST BE CERTIFIED AS A FLAGGER WITHIN A WORK AREA BY A NATIONALLY RECOGNIZED ORGANIZATION SUCH AS ATSSA OR IMSA OR AN APPROVED EQUAL.
- WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE MINOR STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD. AT THE SAME TIME, ALL TURNS FROM THE MAJOR STREET SHOULD BE PROHIBITED. THE CONTRACTOR WOULD APPLY THE TRAFFIC CONTROL FOR THE LEFT TURN LANE CLOSURE AND INSTALL RIGHT TURN PROHIBITION SIGNS AS DESCRIBED ABOVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING IN POSITION, CLEANING AND REPLACING, DAMAGED TRAFFIC CONTROL DEVICES, STREET LIGHTS, AND OR OTHER UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL TRAFFIC LANES CLEAR OF MUD AND DEBRIS.
- ADEQUATE CLEARANCE AT INTERSECTIONS SHALL BE MAINTAINED TO PROVIDE PROPER SIGHT DISTANCE FOR THE SAFE OPERATION OF VEHICLES, SIGNALS, AND PROVIDE SAFETY FOR PEDESTRIAN TRAFFIC.
- CONTRACTOR IS RESPONSIBLE FOR AVOIDING ANY AND ALL UTILITIES WHEN SETTING SIGN POSTS AND WILL BE REQUIRED TO COORDINATE HIS ACTIVITIES WITH ANY AND ALL UTILITY COMPANIES, WHETHER THEIR FACILITY IS INDICATED ON THE PLAN OR NOT.
- PAYMENT WILL BE MADE FOR "TEMPORARY TRAFFIC CONTROL" AS LISTED IN THE BID PROPOSAL. SUCH PAYMENT SHALL CONSTITUTE FULL COMPENSATION FOR ALL WORK NECESSARY TO COMPLETE THE ITEM.
- THE TRAFFIC CONTROL REQUIREMENTS SHOWN ON THESE PLANS ARE MINIMUM REQUIREMENTS ONLY AND DO NOT ATTEMPT TO ADDRESS IN DEPTH THE VARIETY OF SITUATIONS THAT MAY OCCUR ONCE CONSTRUCTION HAS STARTED. IN NO WAY DO THE REQUIREMENTS SHOWN ON THESE PLANS RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR SELECTION OF THE PROPER TRAFFIC CONTROL DEVICES AND IMPLEMENTATION PROCEDURES THAT WILL ASSURE THE SAFETY OF MOTORISTS, PEDESTRIANS, AND WORKERS AT ALL TIMES. ANY ADDITIONAL QUANTITIES OF TRAFFIC CONTROL DEVICES NECESSARY TO COMPLETE CONTRACT, REQUIRED AS PART OF CONTRACTORS MEANS & METHODS, OR AS ORDERED BY THE ENGINEER SHALL BE INCLUDED IN THE BID PROPOSAL.

TEMP. EROSION CONTROL NOTES:

- THIS PLAN SHOWS THE LOCATION AND DETAILS FOR PRIMARY SEDIMENT CONTROL TO BE CONSTRUCTED. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING EROSION AND DISCHARGE OF SEDIMENT FROM THE SITE AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE NECESSARY MEASURES DURING ALL PHASES OF OPERATIONS REGARDLESS OF WHETHER THEY ARE SPECIFICALLY NOTED ON THIS PLAN AND SHALL MAINTAIN AND REPLACE CONTROLS AS NECESSARY DURING THE COURSE OF HIS OPERATIONS.
- GRAVEL BAGS AND FIBER ROLLS OR OTHER INITIAL SEDIMENT CONTROLS SHOWN ON THIS PLAN MUST BE INSTALLED PRIOR TO ANY OTHER WORK. GRAVEL BAGS AND FIBER ROLLS OR OTHER CONTROLS SHALL BE INSPECTED AND MAINTAINED ONCE A WEEK AND AT THE HALF WAY POINT OF CONSTRUCTION.
- THE CONTRACTOR SHALL CLEAN SWEEP AND VACUUM STREETS BOTH INTERIOR AND ADJACENT TO THE SITE DAILY, AND AS NEEDED FOR THE ON SITE INSPECTOR; AFTER EACH RAINFALL, AFTER COMPLETION OF EACH CONSTRUCTION PHASE, AND AT THE END OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST DURING CONSTRUCTION AND SHALL WATER CONSTRUCTION AREAS WHENEVER CONDITIONS WARRANT.
- THE CONTRACTOR SHALL PREVENT STORM PIPES FROM ACCUMULATING SEDIMENT AS THEY ARE INSTALLED.
- THE CONTRACTOR IS RESPONSIBLE FOR DEWATERING AS NEEDED. DURING DEWATERING, WATER SHOULD NOT BE RETURNED DIRECTLY TO WATERWAY BUT SHALL BE PUMPED UPLAND AND FILTERED THROUGH AN APPROPRIATE TREATMENT DEVICE SUCH AS A DE-WATERING BAG.
- THE CONTRACTOR SHALL MAINTAIN AND INSPECT EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH THE CONDITIONS OF THE LAND DISTURBANCE PERMIT. COPIES OF THE LAND DISTURBANCE PERMIT AND STORM WATER POLLUTION PREVENTION PLAN SHALL REMAIN ON SITE THROUGHOUT CONSTRUCTION.
- PHASING AND SEQUENCING IS ONE OF THE BEST BMPS. WORK IN THE ACTIVE CHANNELS AND/OR ON SLOPES SHALL TO BE KEPT TO AS SHORT OF A DURATION AS POSSIBLE. AREAS NOT INSIDE A COFFER DAM SHALL BE STABILIZED IN 2 DAYS.
- UTILITY WORK CANNOT OCCUR UNTIL BMPS ARE INSTALLED AND A PERMIT HAS BEEN ISSUED.
- NO STOCKPILES ARE TO BE PLACED IN FRONT OF INLETS OR IN A DRAINAGE CHANNEL.
- CONTRACTOR SELECTED STAGING AREA SHALL PROVIDE PROTECTION FROM ALLOWING SEDIMENT, DEBRIS OR RESIDUE FROM ENTERING OR LEAVING THE PROJECT SITE. ALL STOCKPILES SHALL BE PROTECTED WITH THE APPROPRIATE BMPS. ANY AND ALL BMPS, REQUESTED BY OWNER, TO COMPLY WITH THE ABOVE SHALL BE INSTALLED AND MAINTAINED IMMEDIATELY BY CONTRACTOR AT THEIR EXPENSE. LOCATION SHALL BE DISCUSSED AT PRE PERMIT MEETING.
- CONSTRUCTION EXIT SHALL BE INSTALLED AS NECESSARY TO PREVENT TRACK-OUT. LOCATIONS MAY VARY DEPENDING ON CONTRACTORS SELECTED MEANS & METHODS. OWNER MAY AT ANY TIME OR FROM TIME TO TIME REQUEST ADDITIONAL EXITS, DEPENDING ON SITE CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL DEVICES DURING THE ENTIRE CONSTRUCTION PERIOD. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES UNLESS OTHERWISE NOTED.
- EROSION CONTROL BLANKET SHOULD BE ONE WITH ALL NATURAL MATERIALS INSTEAD OF PLASTIC NETTING SUCH AS NORTH AMERICAN GREEN BIONET OR CURLEX FIBERNET.
- THE CONTRACTOR SHALL CONTAIN SAWCUT SLURRY AND PREVENT SLURRY FROM ENTERING STORM DRAINS.
- THE CONTRACTOR SHALL PLACE EROSION AND SEDIMENT CONTROL BARRIERS AROUND ANY STORM INLET THAT RECEIVE STORM WATER FROM THE CONSTRUCTION AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ANY ADDITIONAL BMP'S NEEDED TO KEEP SEDIMENT AND OR POLLUTANTS FROM LEAVING THE SITE.
- ALL AREAS DISTURBED, CUT, GRATED OR LEFT WITHOUT GRASS WILL NEED PERMANENT STABILIZATION WITHIN 14 DAYS.
- IF STABILIZATION CANNOT BE ACHIEVED WITHIN 14 DAYS, TEMP BMPS WILL BE REQUIRED. THESE ADDITIONAL BMPS AS REQUESTED BY OWNER ARE CONSIDERED INCIDENTAL TO CONTRACT.
- REFER TO STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- ALL CHANGES TO ESC PLAN AND PHASES NEED TO BE APPROVED BY THE CITY'S WATER QUALITY INSPECTOR.
- ALL TYPE II ROCK BLANKETS SHALL BE CONSTRUCTED OF WELL GRADED GRANULAR BACKFILL AS PER DETAIL STANDARDS.

REMOVAL NOTES:

- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM CURRENT DEMOLITION OPERATIONS.
- DISPOSAL OF REMOVALS SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS GOVERNING SUCH OPERATIONS.
- SAWCUT EXISTING PAVEMENT AND SIDEWALKS AS NEEDED FOR REMOVAL AND CONSTRUCTION OF IMPROVEMENTS.
- CONTRACTOR SHALL CONTAIN SAW CUT SLURRY AND PREVENT SLURRY FROM ENTERING STORM DRAINS.
- ALL EXISTING ASPHALT AND CONCRETE PAVEMENT BEING REMOVED SHALL BE REMOVED TO ITS FULL DEPTH INCLUDING THE AGGREGATE BASE BELOW THE PAVEMENT.
- THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF EXISTING UTILITIES WITH THE UTILITY PROVIDER.
- CONTRACTOR SHALL PROTECT EXISTING BUILDING WALLS / DOORS / WINDOWS AND SPECIAL ENTRY PAVEMENT ADJACENT TO SIDEWALK REMOVAL. CONTACT THE ENGINEER PRIOR TO DISTURBING AREAS OF SPECIALTY PAVING AT ENTRIES WHEN GRADES NEED TO BE ADJUSTED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UNDERGROUND FACILITIES PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL IDENTIFY AND RELOCATE ALL IRRIGATION HEADS AND LINES TO BEYOND THE NEW RIGHT-OF-WAY LINE. CONTRACTOR SHALL NOTIFY ENGINEER WHEN IRRIGATION HEADS OR LINES ARE ENCOUNTERED WITHIN TEMPORARY CONSTRUCTION EASEMENTS THAT ARE IN CONFLICT WITH CONSTRUCTION OPERATIONS. IN SUCH CASE THE FACILITIES SHALL BE RELOCATED TO BEYOND THE CONSTRUCTION LIMITS. THE CONTRACTOR IS OTHERWISE RESPONSIBLE FOR ANY DAMAGE TO EXISTING IRRIGATION FACILITIES AND WILL BE CHARGED FOR REPAIRS INCURRED BY THE OWNER.
- WHEN REQUIRED THE CONTRACTOR SHALL INSTALL TREE PROTECTION AROUND ALL TREES WITHIN CONSTRUCTION LIMITS NOT DESIGNATED TO BE REMOVED. SEE TREE PROTECTION PLAN.

DISCLAIMER:

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF HE OBSERVES CONDITIONS IN THE FIELD THAT APPEAR TO BE UNFORESEEN OR ARE MATERIALLY DIFFERENT THAN SHOWN ON THE PLANS OR WOULD CAUSE THE DESIGN, AS SHOWN ON THE PLANS OR THE SPECIFICATIONS, TO BE IMPRACTICAL OR INAPPROPRIATE BASED ON CUSTOMARY STANDARDS OF THE INDUSTRY. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER AND RECEIVE WRITTEN DIRECTION BEFORE MAKING ANY MODIFICATION TO THE PLANS OR SPECIFICATIONS.

THE ENGINEER DISCLAIMS THE RESPONSIBILITY FOR ANY ACTIONS TAKEN BY THE CONTRACTOR NOT IN COMPLIANCE WITH THE ABOVE.

GENERAL NOTE:

THESE APPROXIMATE QUANTITIES ARE PROVIDED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE LIST OF MATERIAL DOES NOT CONSTITUTE ALL ITEMS REQUIRED FOR THE COMPLETION OF THIS WORK.

UTILITY NOTES:

EXISTING UTILITIES SHOWN ARE BASED ON ENGINEER'S CONTACT WITH UTILITY AGENCIES AND TOPOGRAPHIC SURVEY, AND ARE BELIEVED TO REASONABLY REPRESENT EXISTING LOCATIONS. HOWEVER, THE ENGINEER AND OWNER MAKE NO GUARANTEE AS TO ACCURACY OR COMPLETENESS OF INFORMATION SHOWN. THE CONTRACTOR SHALL NOTIFY ALL UTILITY AGENCIES PRIOR TO BEGINNING WORK AND SHALL COOPERATE WITH THEM IN LOCATING AND PROTECTING THEIR FACILITIES.

PUBLIC AND PRIVATE UTILITY FACILITIES SHALL BE MOVED OR ADJUSTED PRIOR TO CONSTRUCTION AS NECESSARY BY THE OWNERS TO FIT THE CONSTRUCTION UNLESS NOTED ON THE PLANS OR IN THE PROPOSAL. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

GENERAL NOTE:

- CONSTRUCTION SHALL CONFORM TO (WHAT STANDARDS?).
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO BEGINNING OF CONSTRUCTION.
- CONTRACTOR IS TO USE EXTREME CAUTION WHEN MAKING ADJUSTMENTS TO AND/OR WORKING ABOVE OR NEAR UNDERGROUND ELECTRICAL VAULTS, COMMUNICATION VAULTS, & VENT SHAFTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CORRECT ANY DAMAGE TO UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS DUE TO HIS OPERATIONS.
- ALL IMPROVEMENTS TO PEDESTRIAN AREAS SHALL MEET ALL A.D.A. REQUIREMENTS ACCORDING TO LATEST APPLICABLE GUIDELINES.

No.:	Description:	Date:

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PRELIMINARY
Not For Construction

JACKSON STREET SIDEWALK IMPROVEMENTS
THE CITY OF WILLARD, MISSOURI
WILLARD, MISSOURI

DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	N/A
SCALE VERT.	N/A

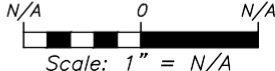
GENERAL
NOTES

SHEET NO.

02

CJW NO. 24123

OF xx



[illegible]

GENERAL LEGEND:

FULL DEPTH ASPHALT PAVEMENT

MILL & OVERLAY ASPHALT PAVEMENT

FULL DEPTH CONCRETE PAVEMENT

CONCRETE SIDEWALK

CONCRETE APPROACH

FULL DEPTH STAMPED PAVEMENT

COLORED, STAMPED CONCRETE

SPILL CURB AND GUTTER

GRAVEL SURFACE

ROCK LINING

TYPE 2 ROCK BLANKET

REMOVALS LEGEND:

ASPHALT PAVEMENT REMOVAL

CONCRETE PAVEMENT REMOVAL

CONCRETE REMOVAL

SAWCUT

DND DO NOT DISTURB

R REMOVE

EROSION CONTROL LEGEND:

PROPOSED CONSTRUCTION ENTRANCE

PROPOSED SEEDING

PROPOSED SODDING

EROSION CONTROL BLANKET / TURF REINFORCEMENT MAT

SILT FENCE / FIBER ROLLS

DITCH CHECKS

INLET PROTECTION


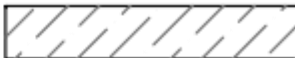






TREE PROTECTION

LIMITS OF DISTURBANCE (PLAN)























LINE TYPE LEGEND:

	EXISTING BARBED WIRE FENCE
	EXISTING BRICK FENCE
	EXISTING CHAIN LINK FENCE
	EXISTING VEGETATION/BRUSH LINE
	EXISTING COMMUNICATION LINE
	EXISTING FIBER OPTIC LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING SANITARY SEWER LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING WATER LINE
	EXISTING MAJOR CONTOUR LINE
	EXISTING MINOR CONTOUR LINE
	PROPOSED MAJOR CONTOUR LINE
	PROPOSED MINOR CONTOUR LINE
	EASEMENT
	LOT LINE
	PROPERTY LINE
	RANGE LINE
	EXISTING RIGHT OF WAY
	SECTION LINE
	TOWNSHIP LINE
	PROPOSED RIGHT OF WAY
	LIMITS OF DISTURBANCE (PLAN)
	SAWCUT
	SILT FENCE / FIBER ROLLS
	DITCH CHECKS
	INLET PROTECTION
	TREE PROTECTION

TRAFFIC CONTROL LEGEND:

	<i>WORK AREA - PHASE 1</i>
	<i>WORK AREA - PHASE 2</i>
	<i>WORK AREA - PHASE 3</i>
	<i>LANE USAGE</i>
	<i>CHANNELIZER</i>
	<i>SIGN</i>
	<i>TYPE III BARRICADE</i>
	<i>TRUCK OR TRAILER MOUNTED ARROW PANEL</i>

SYMBOLOLOGY LEGEND:

	IRON PIN SET CAPPED "LC 2007008003"
	EXISTING IRON PIN
	EXISTING RIGHT-OF-WAY MARKER
	ELECTRIC TRANSFORMER
	SANITARY SEWER MANHOLE
	STORM SEWER MANHOLE
	WATER MANHOLE
	TELEPHONE PEDESTAL
	FIRE HYDRANT
	WATER VALVE
	GAS VALVE
	GAS METER
	POWER POLE
	ELECTRIC METER
	GUY ANCHOR
	PULL BOX
	2 PED
	WATER METER
	GAS METER
	AIR CONDITIONER
	SIGN
	LIGHT POLE
	POST
	MAIL BOX
	TREE DECIDUOUS
	TREE EVERGREEN
	LANE USAGE
	CHANNELIZER
	SIGN
	TYPE III BARRICADE
	TRUCK OR TRAILER MOUNTED ARROW PANEL

ABBREVIATION LEGEND:

BOC	BACK OF CURB
DND	DO NOT DISTURB
ELV	ELEVATION
EOS	EDGE OF SHOULDER
EX	EXISTING
ESMT	EASEMENT
GLN	GUTTER LINE
GFL	GUTTER FLAG
OFF	OFFSET
PAV	PAVEMENT
PERT	PERPETUAL
R	REMOVE
ROW	RIGHT OF WAY
RPT	RADIUS POINT
SAN	SANITARY SEWER
STA	STATION
SWK	SIDEWALK
TCE	TEMPORARY CONSTRUCTION EASEMENT
TOW	TOP OF WALL

RIGHT OF WAY LEGEND:

The diagram illustrates a plat map with the following components from top to bottom:

- PROPOSED RIGHT OF WAY**: A rectangular area with diagonal hatching.
- PROPOSED PERPETUAL EASEMENT**: A rectangular area with diagonal hatching.
- PROPOSED TEMPORARY EASEMENT**: A rectangular area with diagonal hatching.
- EXISTING EASEMENT**: A horizontal dashed line.
- LOT LINE**: A horizontal dashed line.
- PROPERTY LINE**: A horizontal solid line labeled P_L on the left.
- RANGE LINE**: A horizontal dashed line.
- EXISTING RIGHT OF WAY**: A horizontal dashed line.
- SECTION LINE**: A horizontal solid line.
- TOWNSHIP LINE**: A horizontal solid line.
- PROPOSED RIGHT OF WAY**: A horizontal dashed line.
- PROPOSED PERPETUAL EASEMENT**: A horizontal dashed line.
- PROPOSED TEMPORARY EASEMENT**: A horizontal dashed line.

Produced by:

CJW

CJW Transportation Consultants, L.P.C.

CJW Transportation
Consultants, L.P.C., Highway
Division • 3750 West 95th
Suite 200 • Overland Park, KS 66204
Tel. 482-2001 FAX
482-2002
E-Mail: cjw@cjw.com

PRELIMINARY
Not For Construction

JACKSON STREET SIDEWALK IMPROVEMENTS
THE CITY OF WILLARD, MISSOURI
WILLARD, MISSOURI

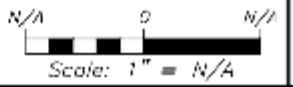
DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	N/A
SCALE VERT.	N/A

GENERAL LEGEND

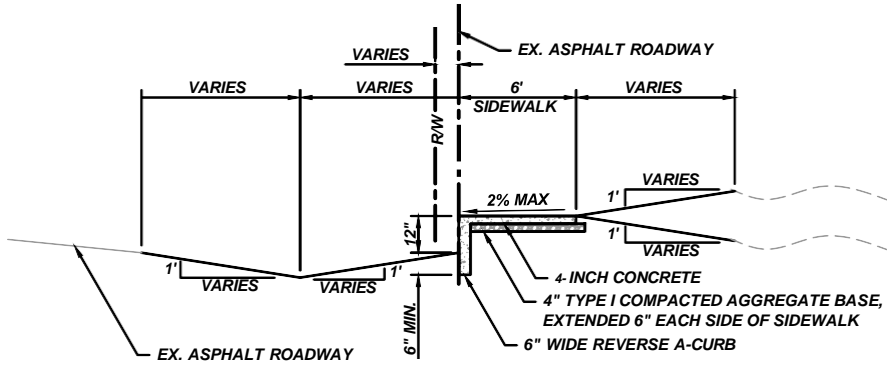
SHEET NO.

03

CJW NO. 24123 OF xx

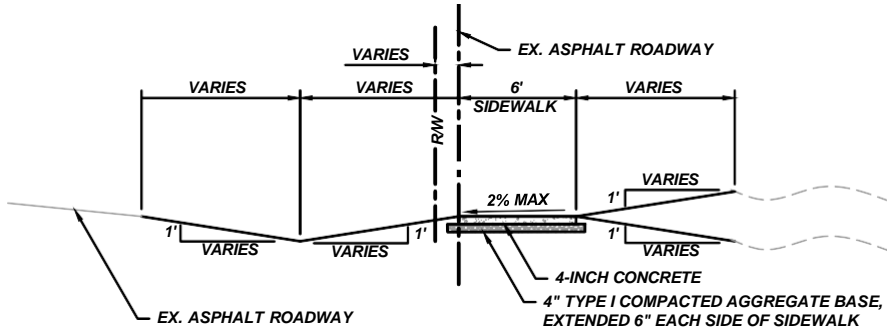


C:\Users\jwong\OneDrive - CJW Transportation\Documents - CJW PROJECTS\2024\1423 Jackson Street Sidewalk Project\Design.dwg[Plan-Sections]2423 - COVER.dwg - LAST SAVED: 3/3/2025 2:02:08 PM - PLOTTED: 3/3/2025 11:44:38 AM



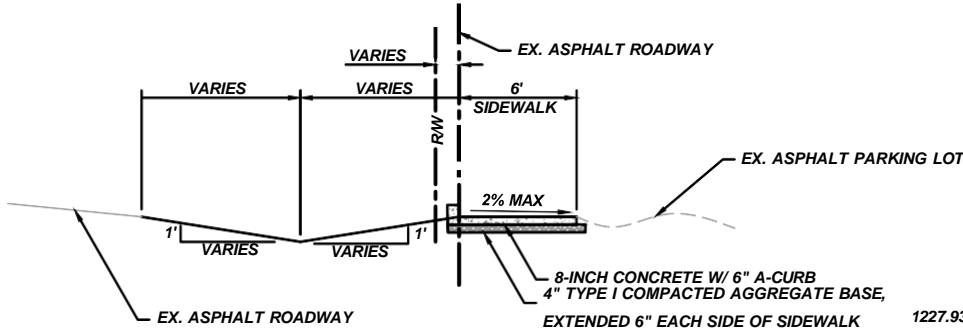
TYPICAL SECTION - JACKSON STREET SIDEWALK

STA. 17+24.66 TO STA. 17+55.00
(NOT TO SCALE)



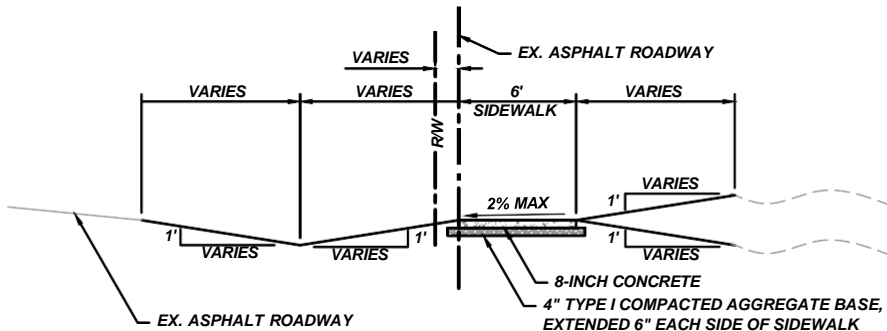
TYPICAL SECTION - JACKSON STREET SIDEWALK

STA. 16+91.05 TO 17+24.66
STA. 18+43.00 TO 18+65.00
(NOT TO SCALE)



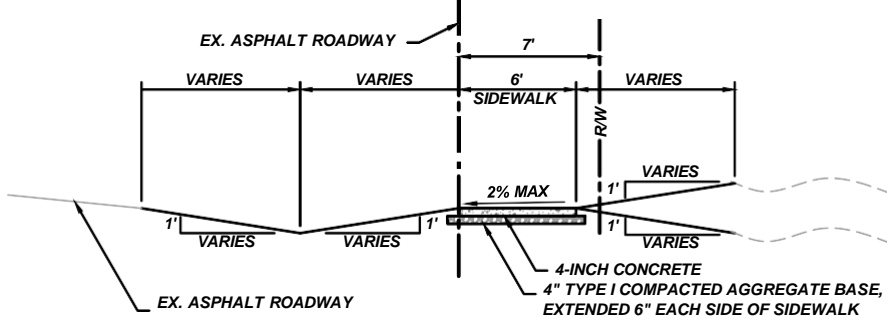
TYPICAL SECTION - JACKSON STREET SIDEWALK

STA. 15+00.00 TO STA. 16+50.00
(NOT TO SCALE)



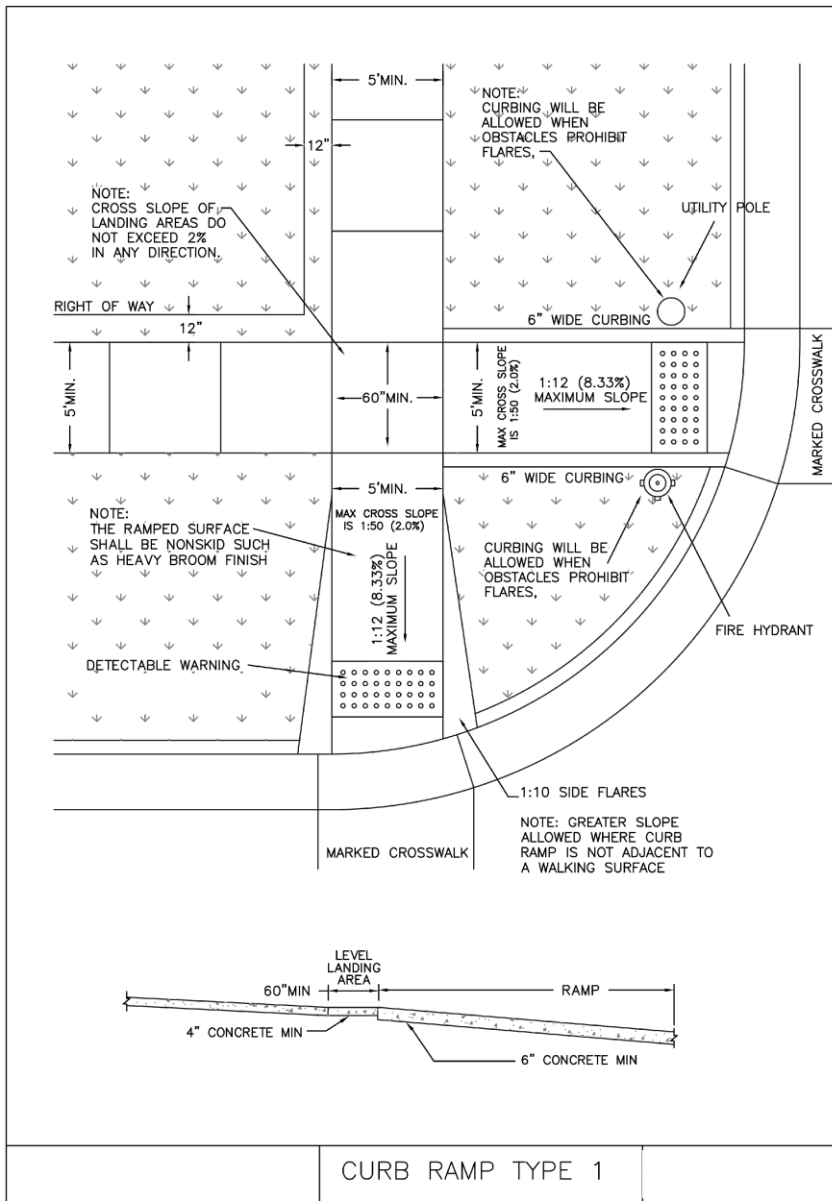
TYPICAL SECTION - JACKSON STREET SIDEWALK

STA. 12+12.67 TO STA. 14+50.00
STA. 16+50.00 TO 16+91.05
(NOT TO SCALE)

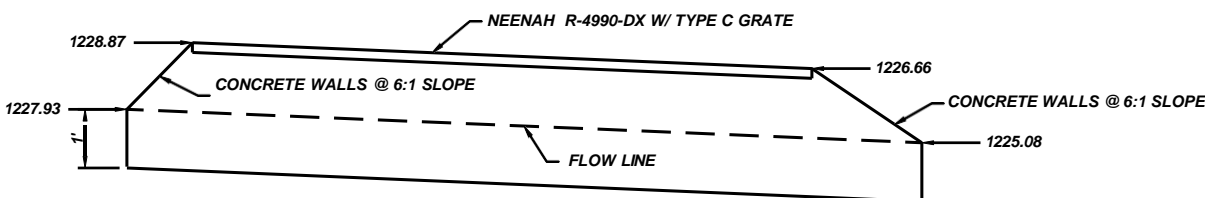


TYPICAL SECTION - JACKSON STREET SIDEWALK

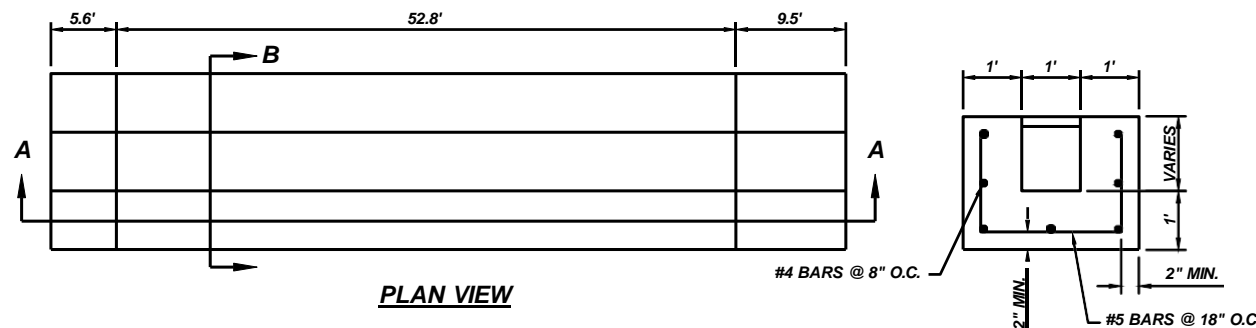
STA. 10+13.19 TO STA. 12+12.67
(NOT TO SCALE)



CURB RAMP TYPE 1



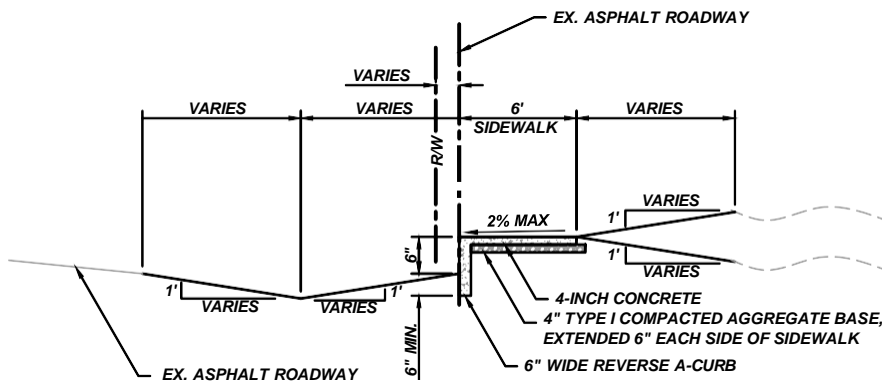
A-A



PLAN VIEW

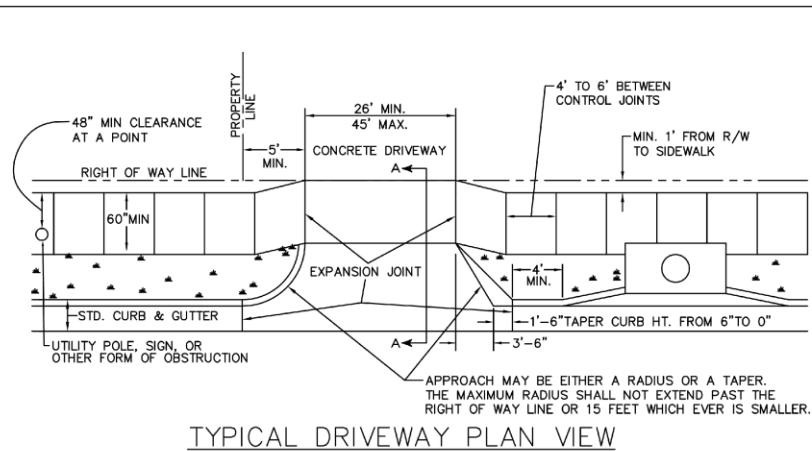
B-B

TRENCH DRAIN W/ 6:1 SAFETY ENDS
(NOT TO SCALE)



TYPICAL SECTION - JACKSON STREET SIDEWALK

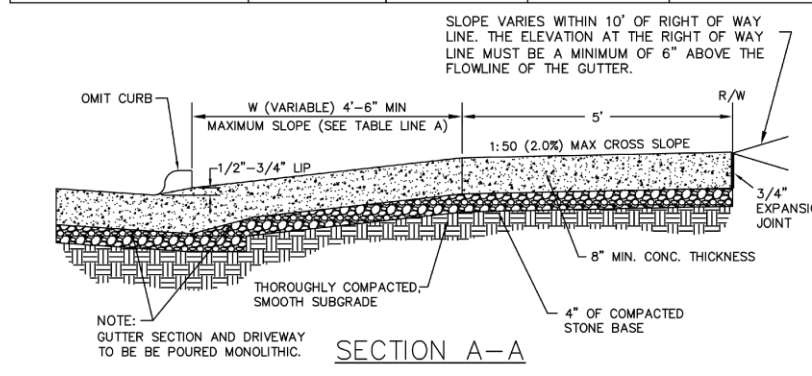
STA. 17+55.00 TO STA. 18+43.00
(NOT TO SCALE)



TYPICAL DRIVEWAY PLAN VIEW

NOTE:
ANY PART OF AN ACCESSIBLE
ROUTE WITH A RUNNING SLOPE
GREATER THAN 1:20 SHALL BE
CONSIDERED A RAMP AND SHALL
COMPLY WITH THOSE REGULATIONS.

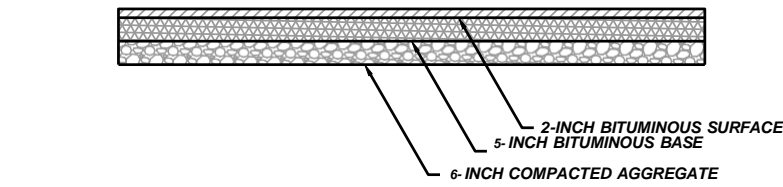
REQUIRED DRIVEWAY GRADES				
	MAJOR ARTERIAL	SECONDARY ARTERIAL	COLLECTOR	NON-RESIDENTIAL LOCAL
A. DRIVEWAY APPROACH GRADE	1/4in/ft to 1/2in/ft	1/4in/ft to 5/8in/ft	1/4in/ft to 3/4in/ft	1/4in/ft to 1in/ft
B. MAXIMUM CHANGE OF GRADE AT BACK OF SIDEWALK	4%	5%	6%	8%
C. SLOPE WITHIN 10 FEET OF RIGHT-OF-WAY LINE	-2% to 6% 1/4in/ft to 3/4in/ft	-3% to 7% -3/8in/ft to 7/8in/ft	-4% to 8% -1/2in/ft to 1in/ft	-6% to 10% -3/4in/ft to 1-1/4in/ft



SECTION A-A

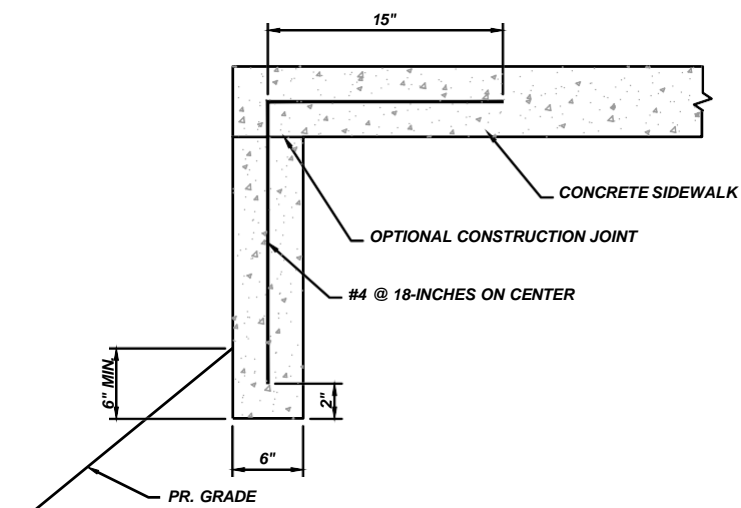
REVISED: 10-17-05; REMOVED REINFORCEMENT REQUIREMENTS.

TYPICAL COMMERCIAL DRIVEWAY & SIDEWALK



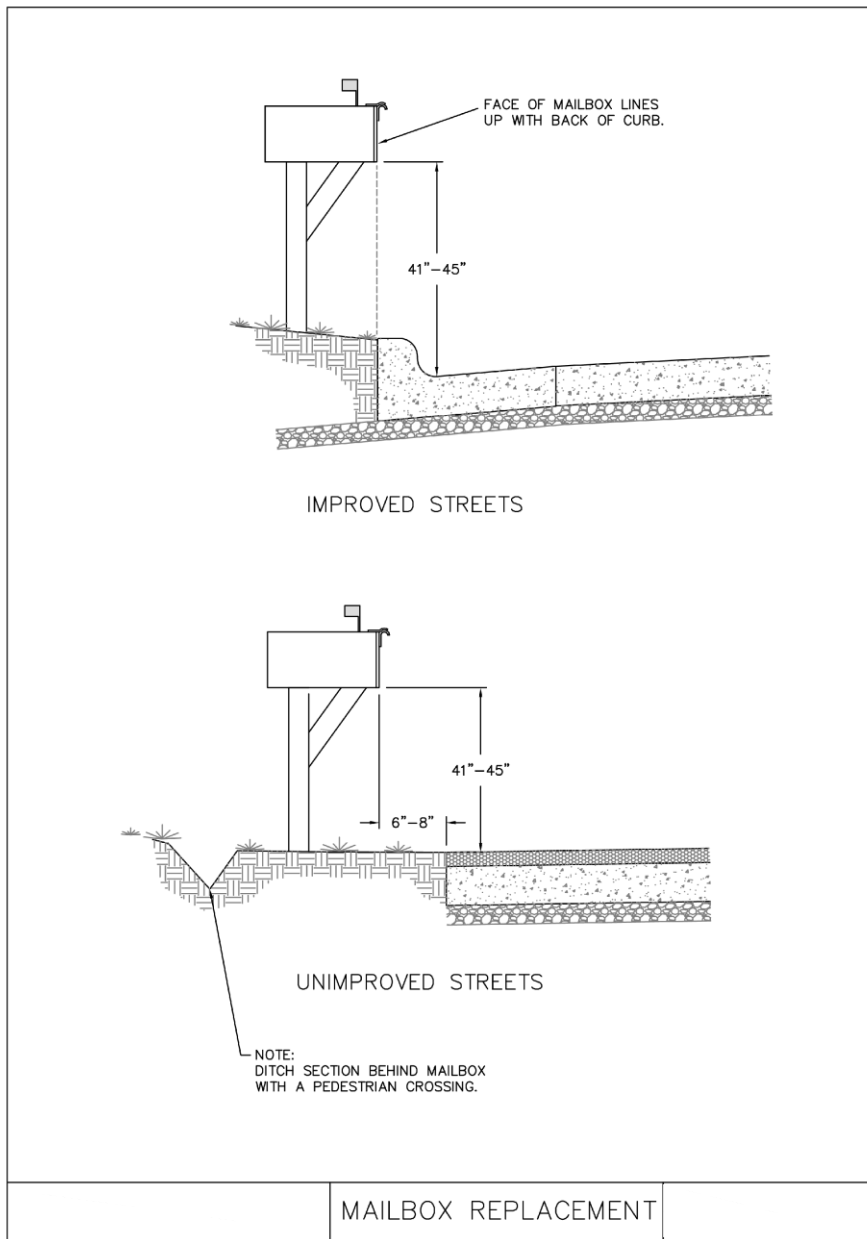
TYPICAL SECTION - S. PERRYMAN STREET

(NOT TO SCALE)



6-INCH WIDE REVERSE A-CURB

(NOT TO SCALE)



MAILBOX REPLACEMENT

No.:	Description:	Date:

Prepared by:

CJW

CJW Transportation
Consultants, L.L.C.
5051 S. National
Suite 7A
Springfield, MO 65810
Tel: 417.889.3400
Fax: 417.889.3402
www.GeoCJW.com

PRELIMINARY
Not For Construction

JACKSON STREET SIDEWALK IMPROVEMENTS
THE CITY OF WILLARD, MISSOURI
WILLARD, MISSOURI

DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	N/A
SCALE VERT.	N/A

TYPICAL SECTIONS & DETAILS

SHEET NO.

04

CJW NO. 24123 OF xx

1-800-DIG-RITE-811
www.missouri11.com

Scale: 1" = N/A

NOTES:

No.	Description	Date

LEGEND

	ASPHALT PAVEMENT REMOVAL
	MILL ASPHALT PAVEMENT
	CONCRETE PAVEMENT REMOVAL
	CONCRETE REMOVAL
	SAWCUT
	DO NOT DISTURB
	REMOVE

Prepared by:
CJW

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5881 S. National
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Springfield, MO 65810
Tel: 417.889.1400
Fax: 417.889.1407
www.cjw.com

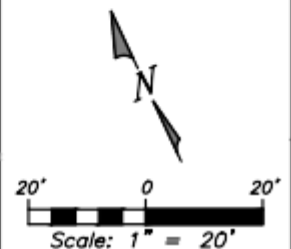
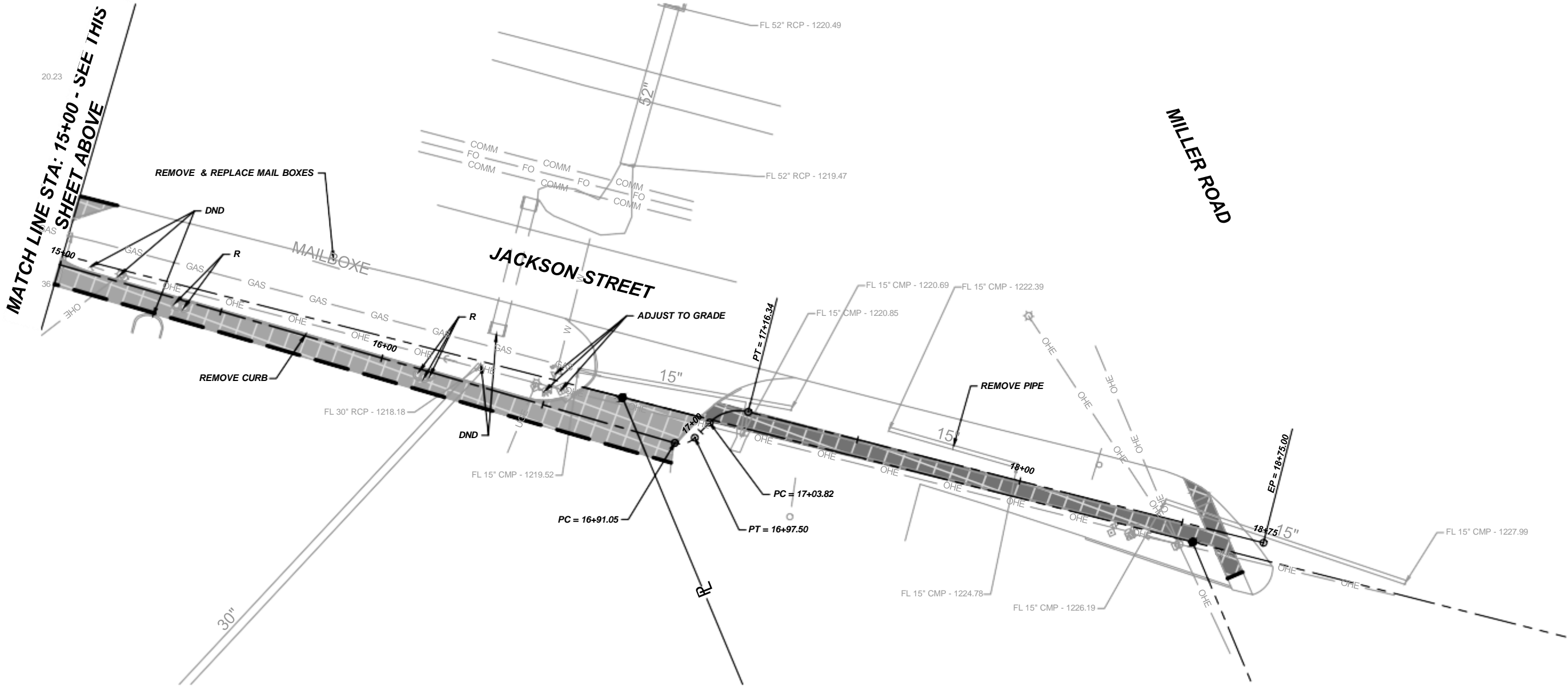
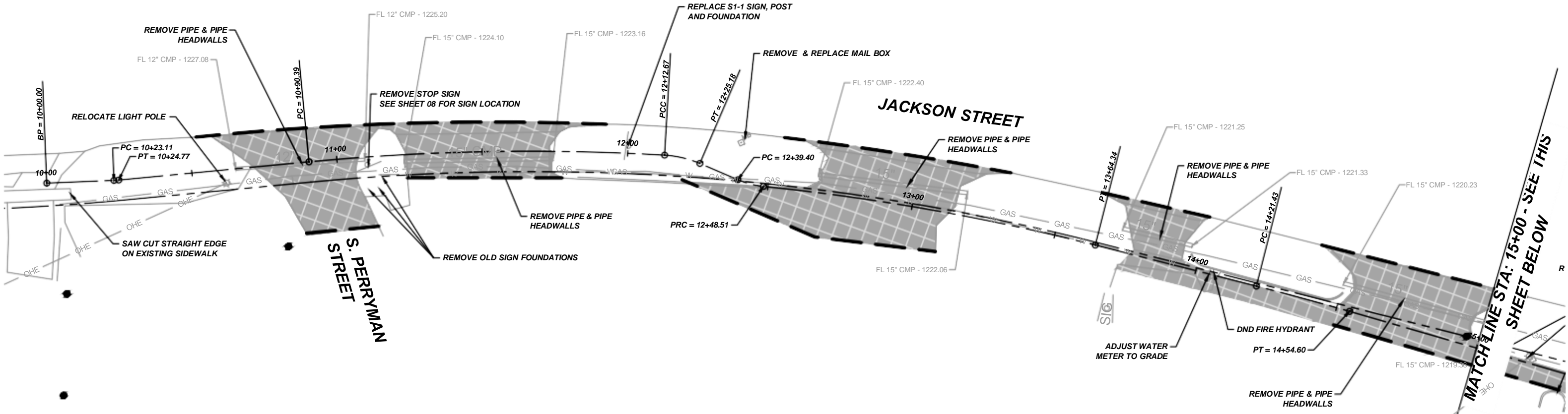
PRELIMINARY
Not For Construction

JACKSON STREET SIDEWALK IMPROVEMENTS
THE CITY OF WILLARD, MISSOURI
WILLARD, MISSOURI

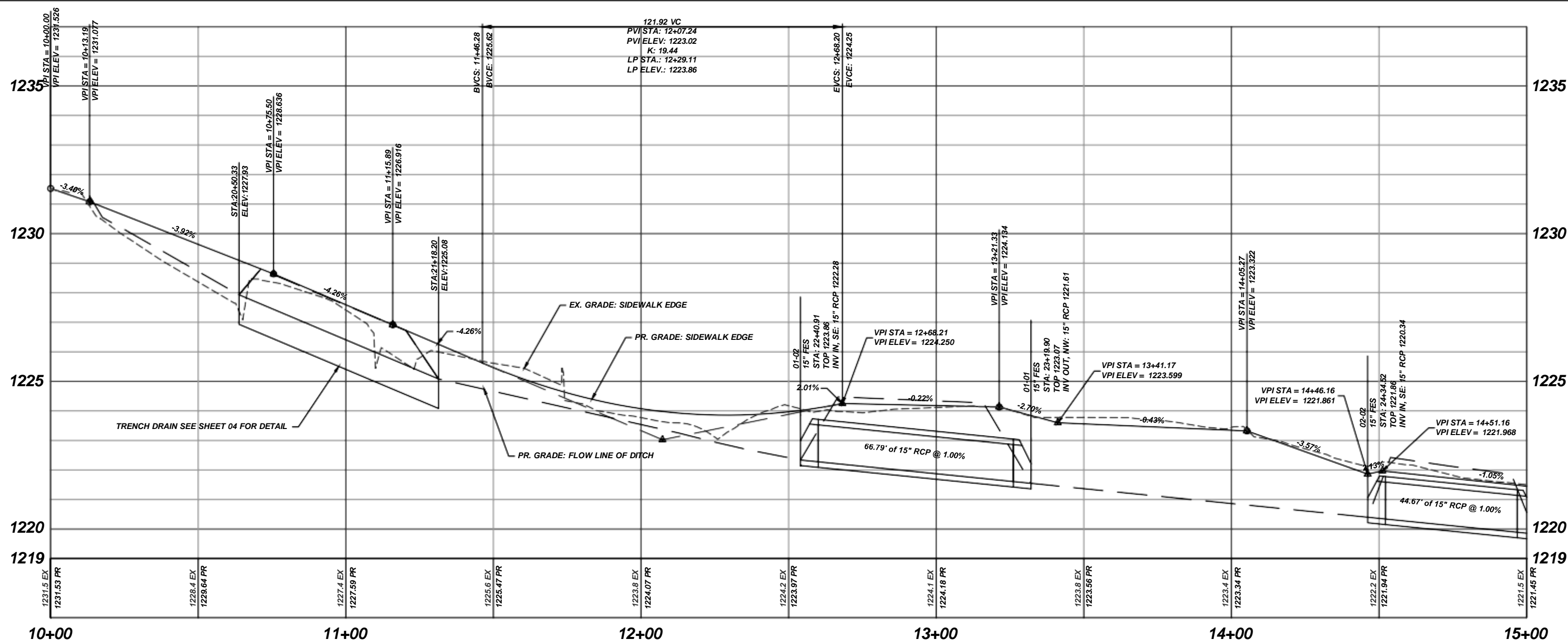
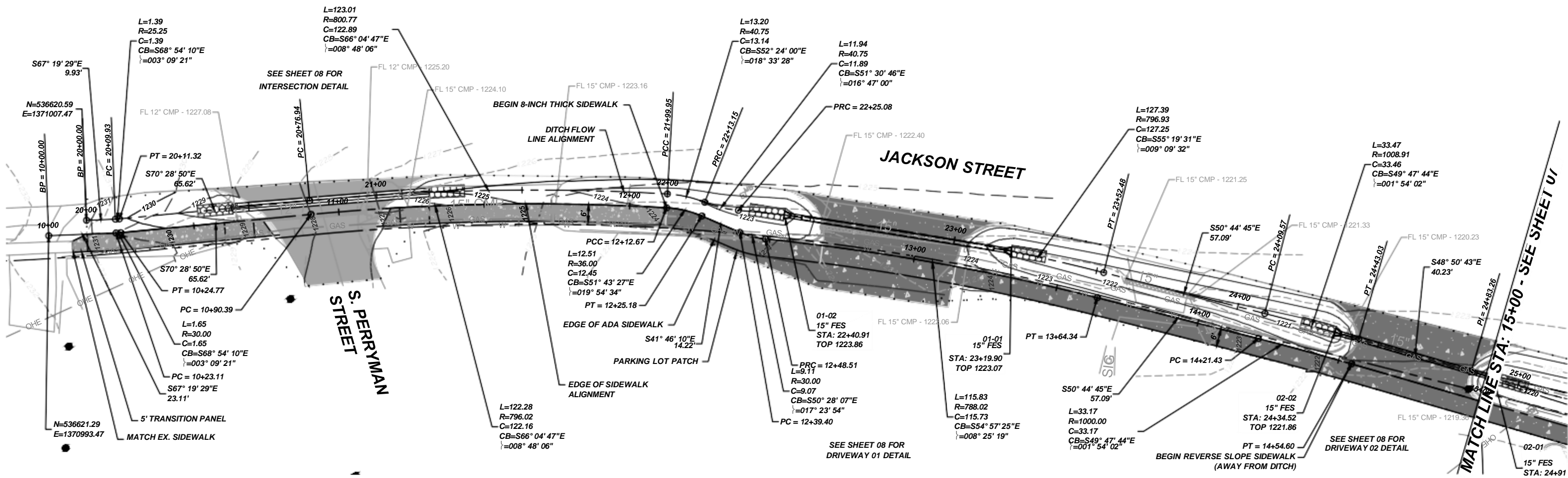
DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	1" = 20'
SCALE VERT.	N/A

REMOVALS
PLAN

SHEET NO.
05
CJW NO. 24123 OF xx



NOTES:
SEE SHEET 05 FOR EROSION CONTROL BLANKET / TURF REINFORCEMENT MAT LOCATION



No.	Description	Date

LEGEND	
	FULL DEPTH ASPHALT PAVEMENT
	MILL & OVERLAY ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	CONCRETE APPROACH
	FULL DEPTH STAMPED PAVEMENT
	SPILL CURB AND GUTTER
	ROCK LINING

Prepared by: **CJW**
CJW Transportation Consultants, L.L.C.
5081 S. National
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Springfield, MO 65810
Tel: 417.889.1400
Fax: 417.889.1402
www.cjw.com

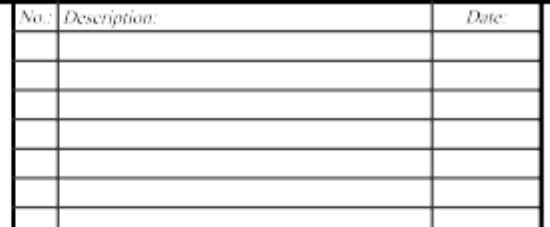
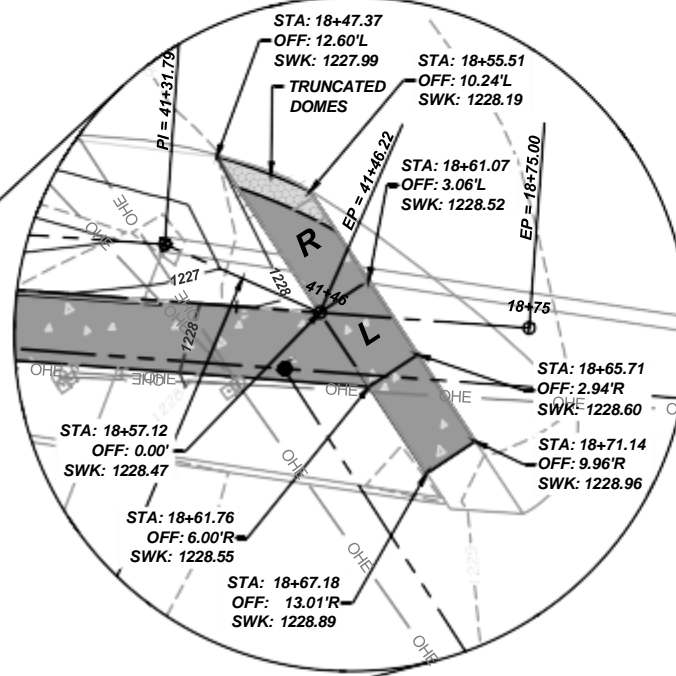
PRELIMINARY
Not For Construction








JACKSON STREET SIDEWALK IMPROVEMENTS
THE CITY OF WILLARD, MISSOURI
WILLARD, MISSOURI

DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	1" = 20'
SCALE VERT.	1" = 2'

SIDEWALK
PLAN &
PROFILE

SHEET NO.
06
CJW NO. 24123 OF xx

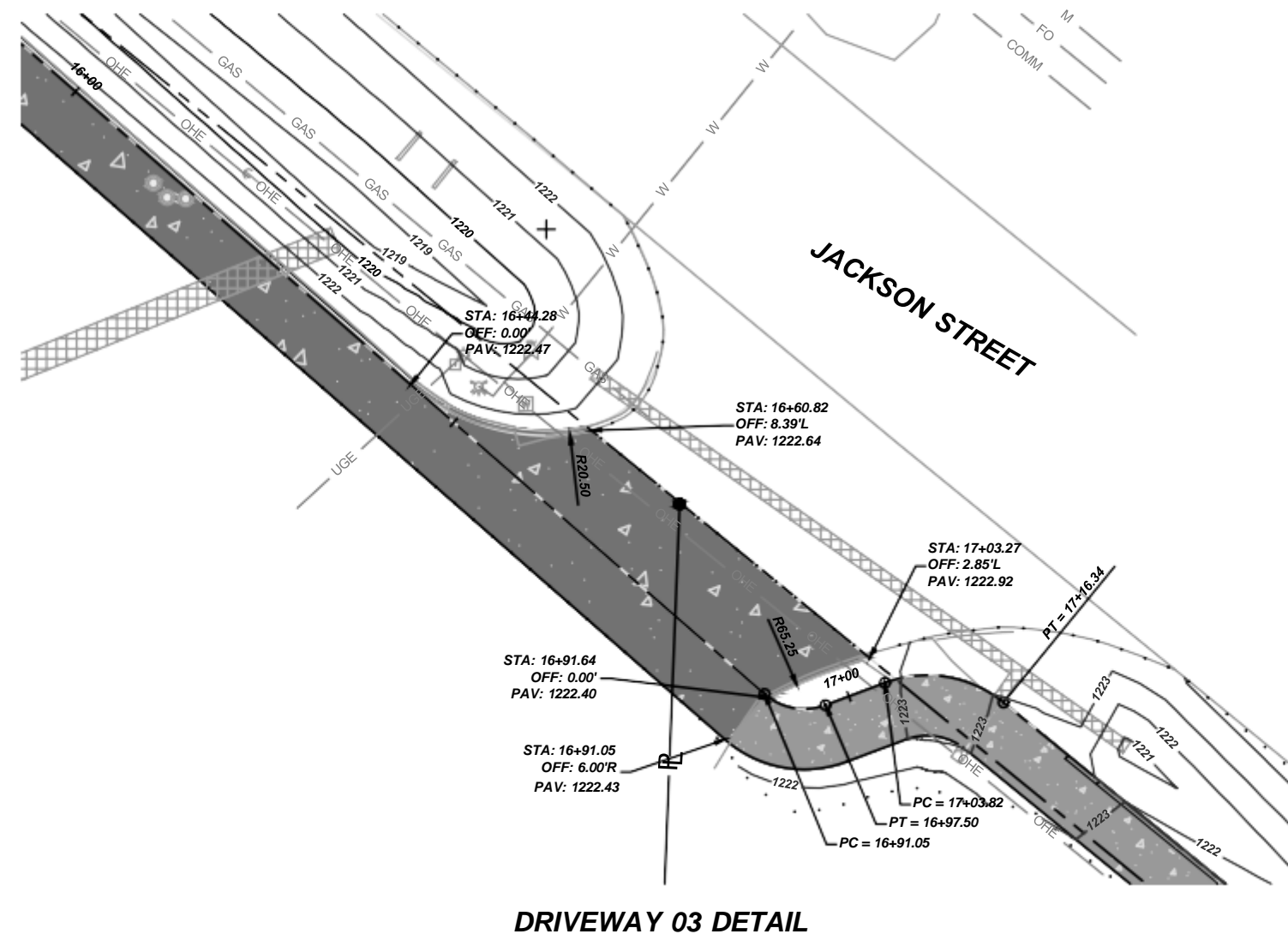
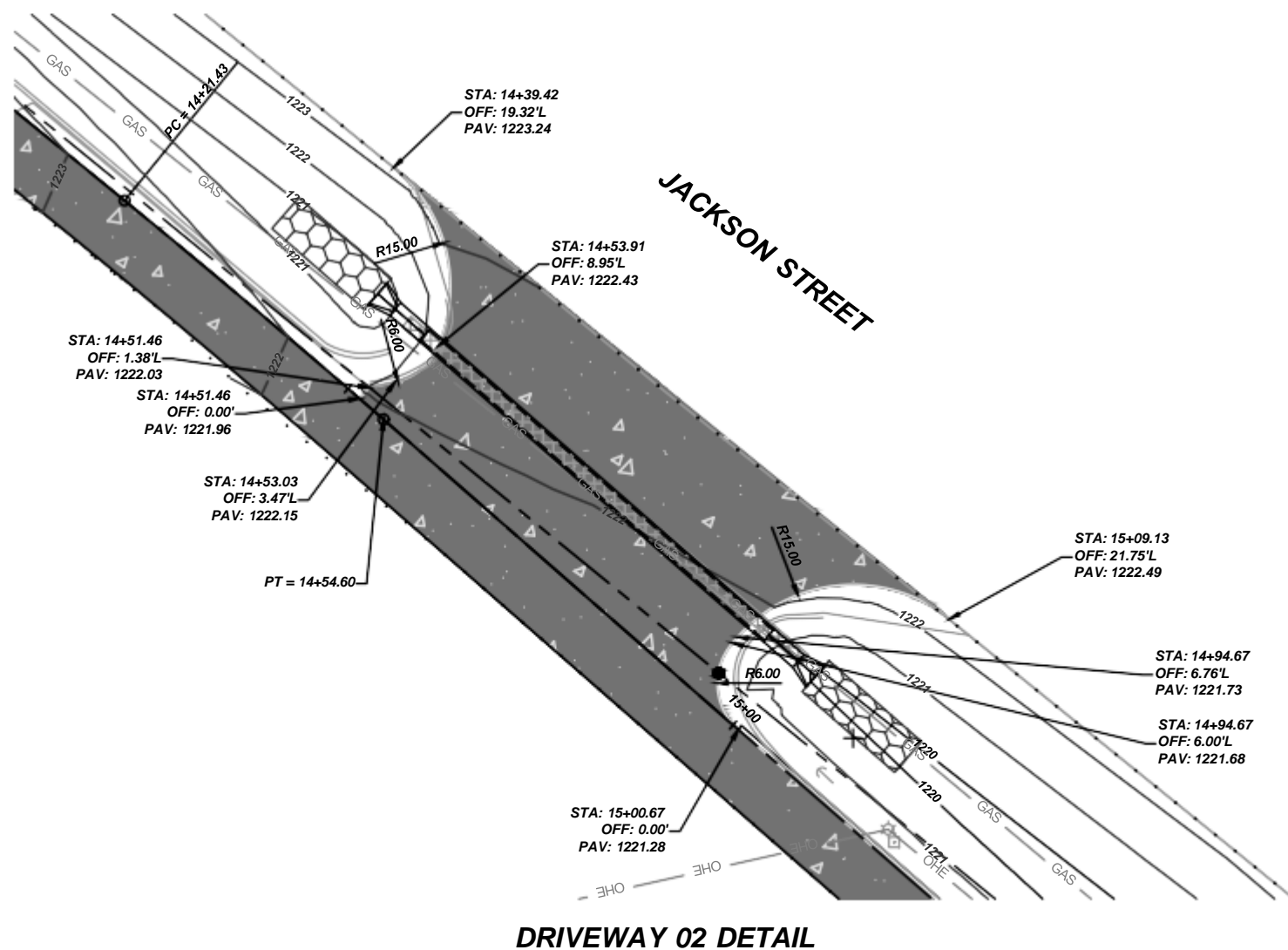
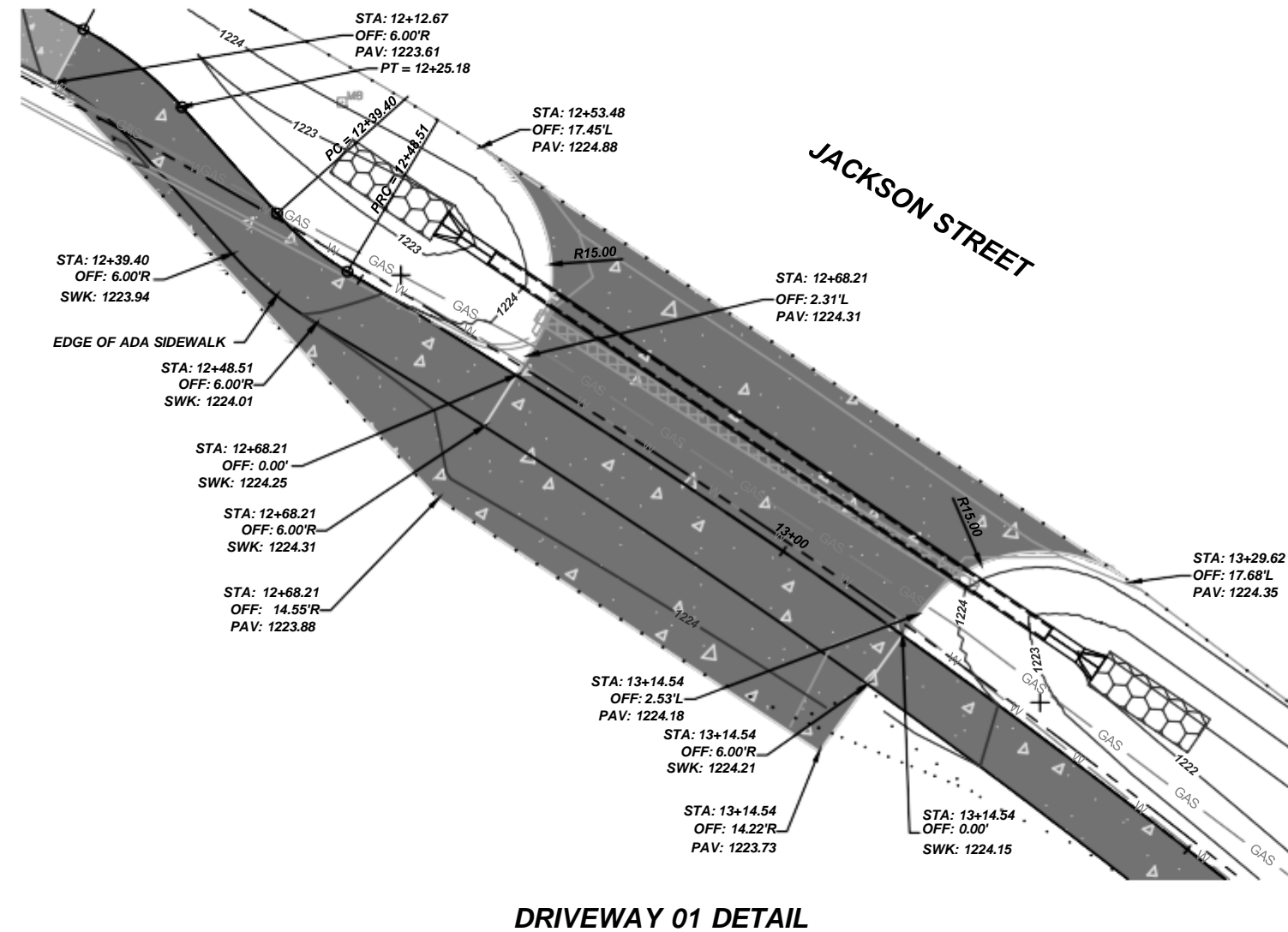
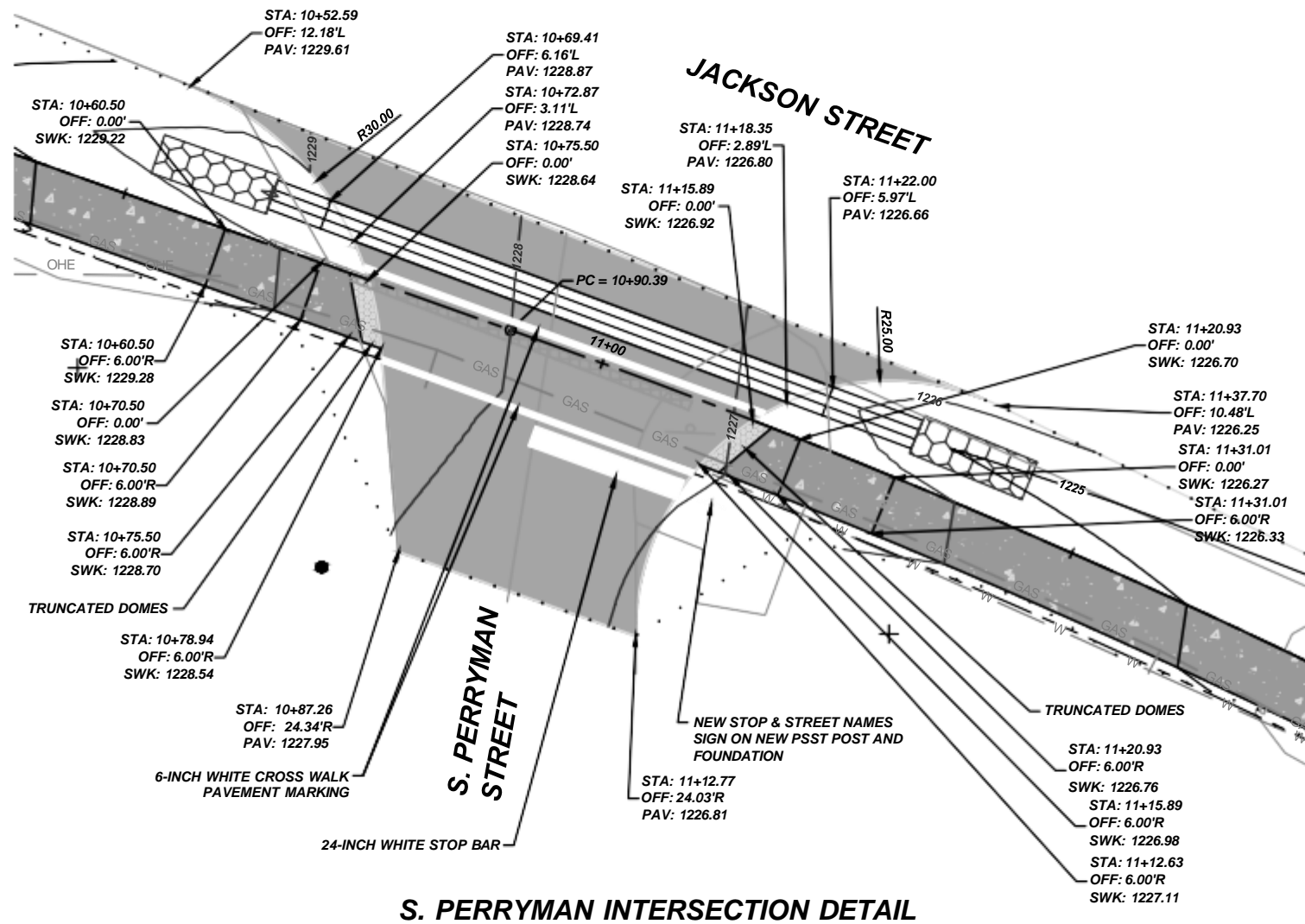


	FULL DEPTH ASPHALT PAVEMENT
	MILL & OVERLAY ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	CONCRETE APPROACH
	FULL DEPTH STAMPED PAVEMENT
	SPILL CURB AND GUTTER
	ROCK LINING








CJW Transportation Consultants, L.L.C.
CJW Transportation
Consultants, L.L.C. Engineering
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JACKSON STREET SIDEWALK IMPROVEMENTS
THE CITY OF WILLARD, MISSOURI
WILLARD, MISSOURI

SIDEWALK PLAN & PROFILE

[illegible]

LEGEND

	FULL DEPTH ASPHALT PAVEMENT
	MILL & OVERLAY ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	CONCRETE APPROACH
	FULL DEPTH STAMPED PAVEMENT
	SPILL CURB AND GUTTER
	ROCK LINING

Prepared by:



CJW Transportation Consultants, L.L.C.
CJW Transportation
Consultants, L.L.C. Engineering
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JACKSON STREET SIDEWALK IMPROVEMENTS

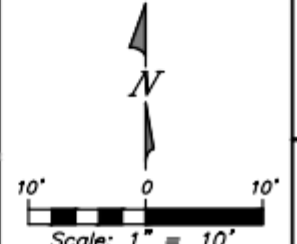
THE CITY OF WILLARD, MISSOURI

WILLARD, MISSOURI

DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	1" = 10'
SCALE VERT.	N/A

INTERSECTION & DRIVEWAY DETAILS

HEET NO.
08
JW NO. 24123 OF xx

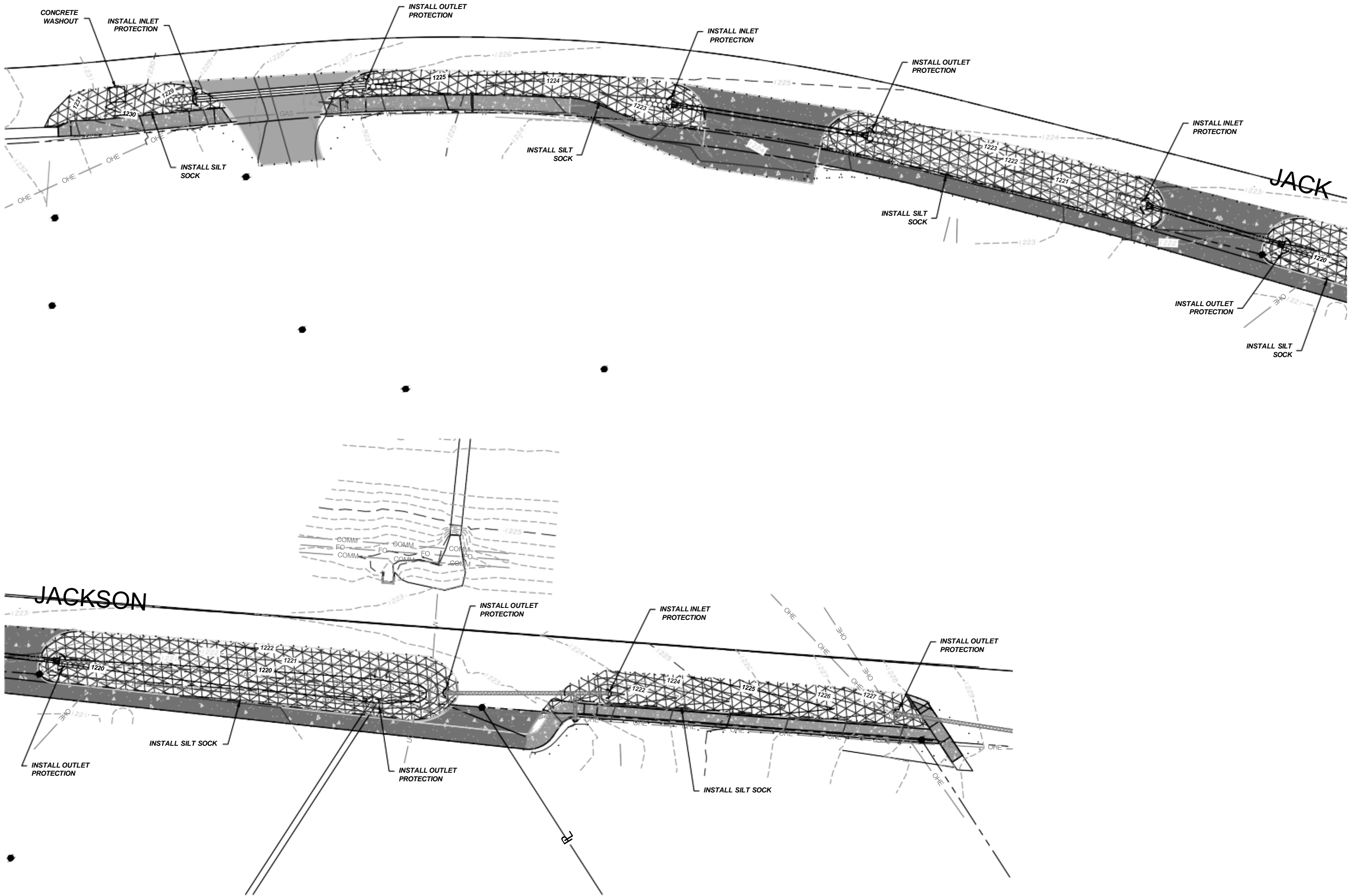


NOTES:

No.	Description	Date

LEGEND

- PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED SEEDING
- PROPOSED SODDING
- EROSION CONTROL BLANKET / TURF REINFORCEMENT MAT
- SILT FENCE / FIBER ROLLS
- DITCH CHECKS
- INLET PROTECTION
- TREE PROTECTION
- LIMITS OF DISTURBANCE (PLAN)



Prepared by:
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CJW Transportation Consultants, L.L.C.
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Springfield, MO 65810
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Fax: 417-889-1407
www.cjw.com

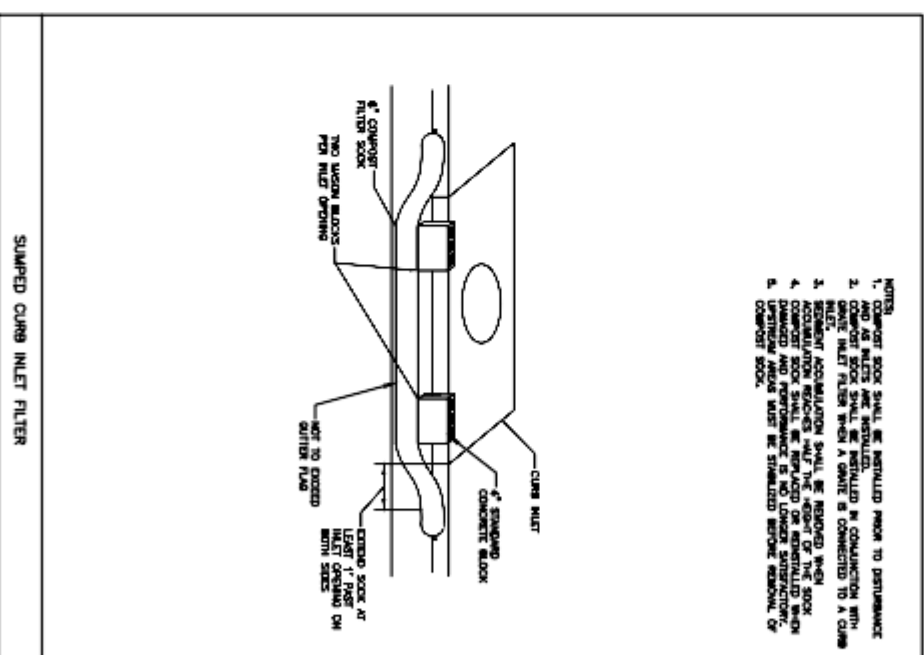
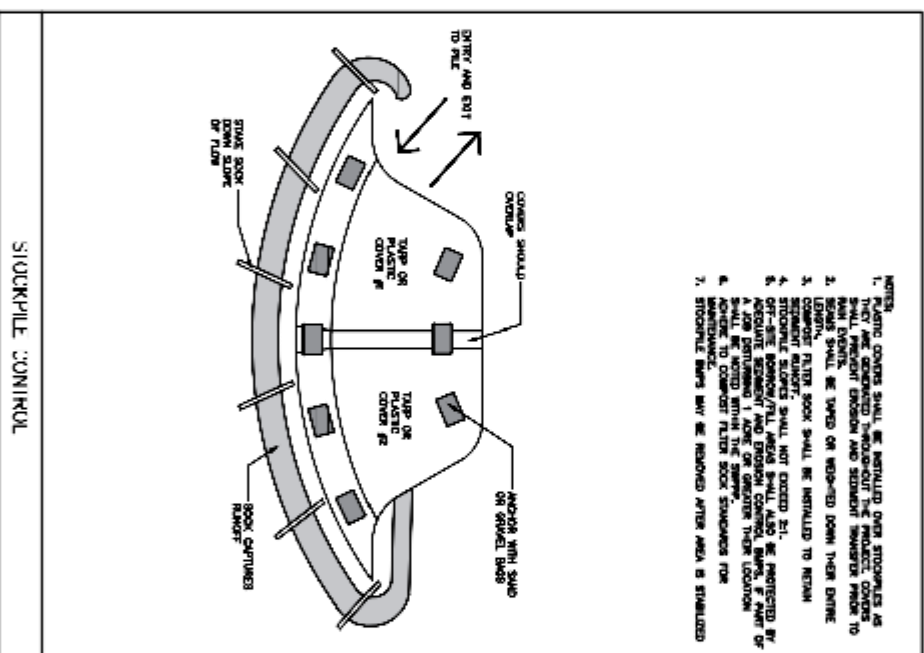
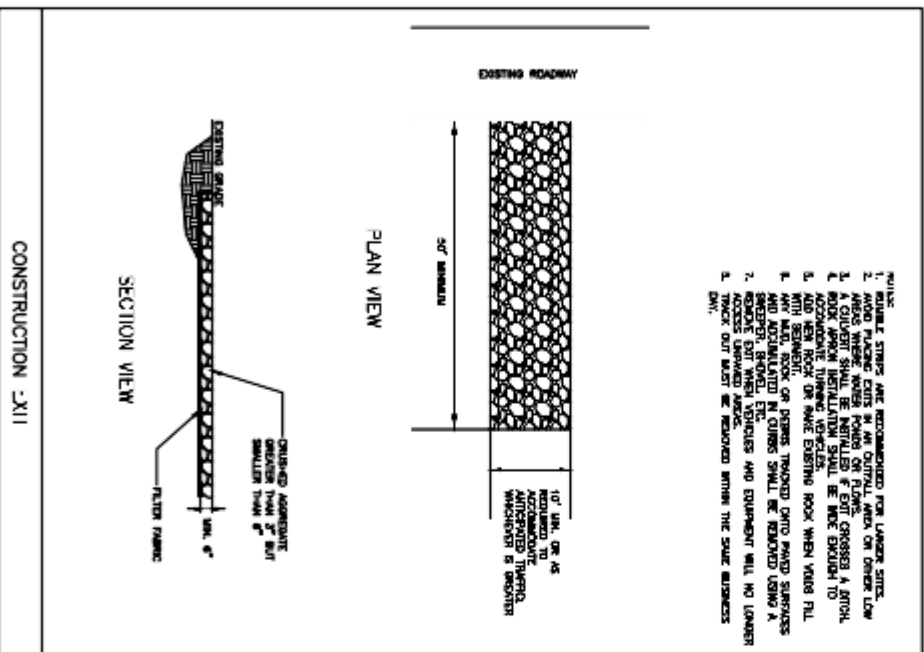
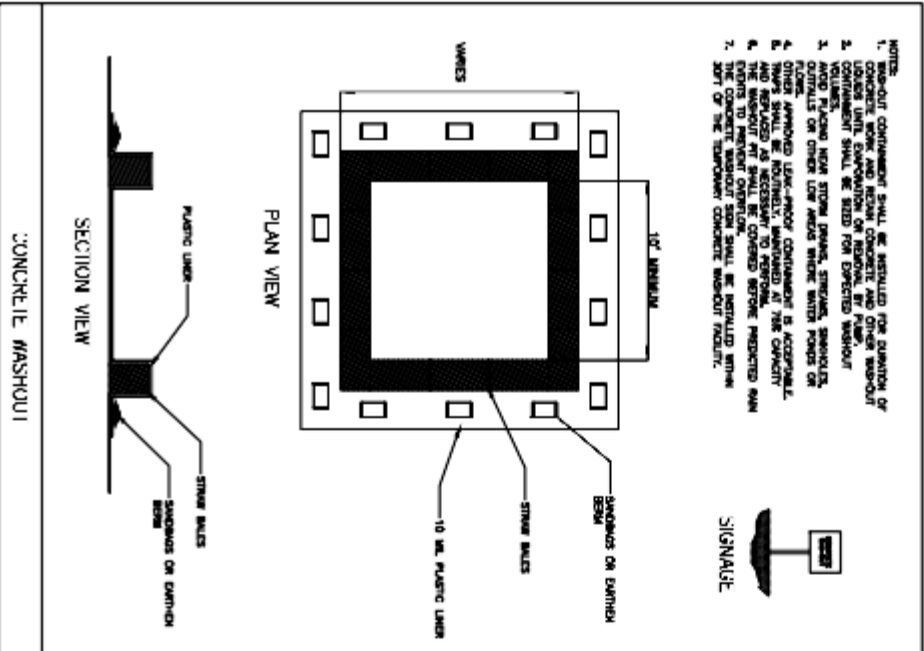
PRELIMINARY
Not For Construction

JACKSON STREET SIDEWALK IMPROVEMENTS
THE CITY OF WILLARD, MISSOURI
WILLARD, MISSOURI

DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	1" = 20'
SCALE VERT.	N/A

EROSION CONTROL PLAN

SHEET NO.
09
CJW NO. 24123 OF xx



LEGEND

COE Transportation	5851 E. National	Tel. 417.889.6488
Chemicals, C. I. C. Company	Suite 7A	fax. 417.882.046
MOCCA 42666912385	Springfield, MO 65811	www.CoeT.Mc.com

PRELIMINARY
Not For Construction

DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	N/A
SCALE VERT.	N/A

JACKSON STREET SIDEWALK IMPROVEMENTS

THE CITY OF WILLARD, MISSOURI

WILLARD, MISSOURI

MOSS & SONS

1-800-816-5116 ext. 811

WWW.MOSSANDSONS.COM

EROSION CONTROL DETAILS

SHEET NO.

10

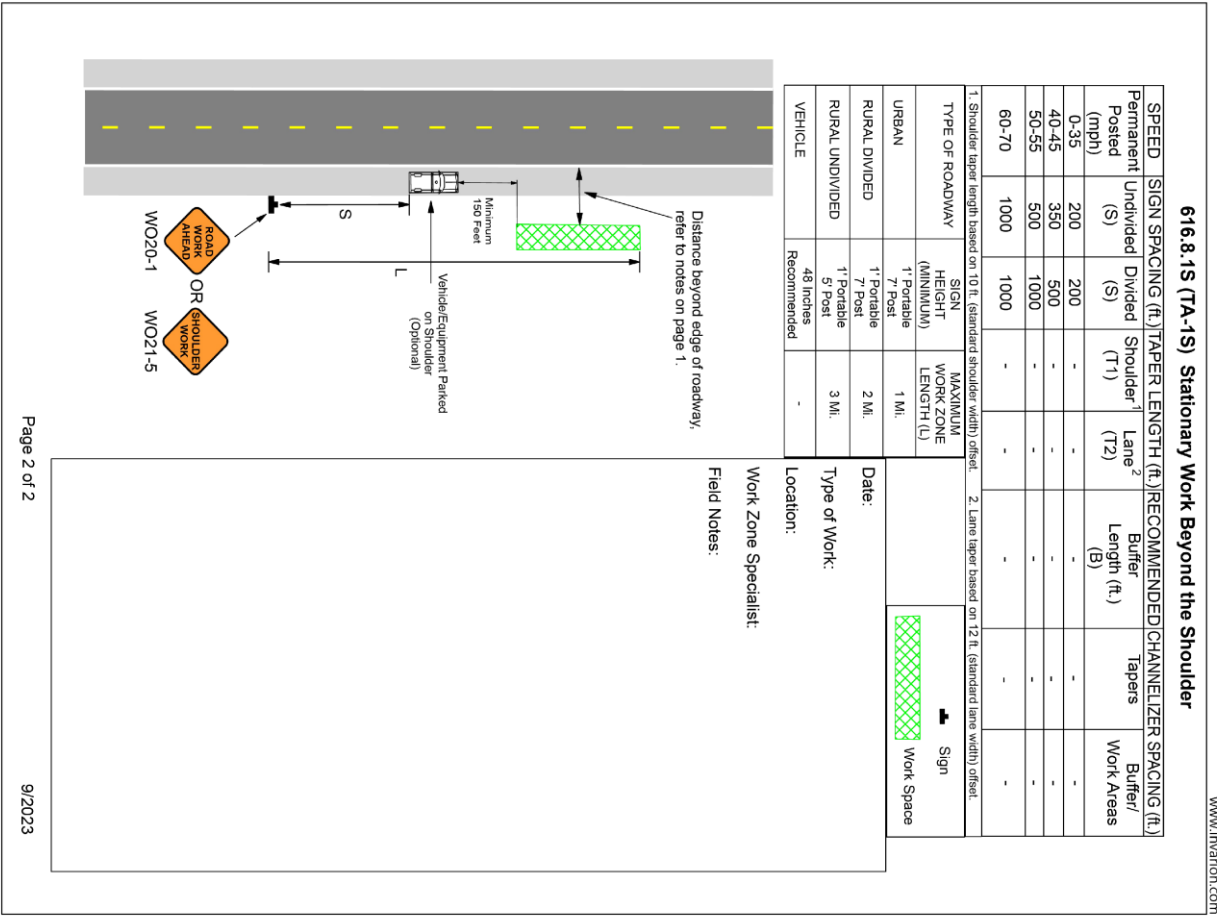
C&M NO. 24723 OF XX

616.8.1S (TA-1S) Stationary Work Beyond the Shoulder

- Advance warning signs may be eliminated if at least one of the following conditions are met:
 1. Work space is 15 feet or more from the edge of any roadway.
 2. Work space is behind the curb.
 3. Work space is behind barrier or guardrail.
 4. High-intensity rotating, flashing, oscillating, or strobe lights are activated.
- When vehicles or equipment are parked on the shoulder:
 1. Activate high-intensity rotating, flashing, oscillating, or strobe lights.
 2. Position the protective vehicle/TVA a minimum of 150 feet in advance of the work space, if possible.
 3. Once you exit the work vehicle, return only when adjusting position or ready to leave the work location.

For other operations, refer to:

- Mobile:
 1. EPG 616.8.1M (TA-1M) Mobile Operation Work Beyond the Shoulder.
- Short Duration (60 minutes or less):
 1. EPG 616.8.1SD (TA-1SD) Short Duration Work Beyond the Shoulder.
- Long-Term Stationary Operations:
 2. EPG 616.6.2.2 Flags and Advance Warning Rail System.
 3. EPG 617.1 Temporary Traffic Barriers.



LEGEND

No.	Description	Date

Prepared by:



CJW Transportation Consultants, L.L.C.

CJW Transportation Consultants, L.L.C. Engineering MO C.A. #2006012385

5051 S. National Suite 7A Springfield, MO 65810

Tel: 417.889.3400 Fax: 417.889.3402 www.GoCJW.com

PRELIMINARY
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JACKSON STREET SIDEWALK IMPROVEMENTS
THE CITY OF WILLARD, MISSOURI
WILLARD, MISSOURI

DATE	DATE
SURVEY BY	CJW
DESIGN	CJW
DRAWN	CJW
CHECKED	CJW
SCALE HOR.	N/A
SCALE VERT.	N/A

TRAFFIC CONTROL PLAN

SHEET NO.	11
CJW NO. 24123	OF xx

