

FLOOD STATEMENT:
 THE ACCURACY OF ANY FLOOD HAZARD DATA SHOWN HEREON IS SUBJECT TO MAP SCALE UNCERTAINTY AND TO ANY OTHER UNCERTAINTY IN LOCATION OR ELEVATION ON THE REFERENCED FLOOD INSURANCE RATE MAP. THE SURVEYED PROPERTY LIES WITHIN "OTHER AREAS ZONE X" AS SAID PROPERTY PLOTS BY SCALE ON THE FLOOD INSURANCE RATE MAP NUMBER 29095C04190) EFFECTIVE DATE JANUARY 20, 2017.

NOTES:
 1. EXISTING CONDITIONS ARE SHOWN PER OLDHAM VILLAGE PHASE I PLANS.
 2. THERE IS NO VISIBLE EVIDENCE OF ABANDONED OIL OR GAS WELLS LOCATED WITHIN THE LOT 7 BOUNDARIES, AS IDENTIFIED IN "ENVIRONMENTAL IMPACT STUDY OF ABANDONED OIL AND GAS WELLS IN LEE'S SUMMIT, MISSOURI," EDWARD ALTON MAY JR., P.E., 1995.
 3. THIS SMALLS SLIDERS PROJECT SHALL UTILIZE THE DETENTION BASIN FOR THE OLDHAM VILLAGE PHASE I DEVELOPMENT LOCATED OFF-SITE.

PROJ. NO.	A25D2009
DESIGNER	RCP
DRAWN BY	JP
CFN	2009EC
SHEET	C-2
REV	1

REV	DATE	DESCRIPTION
1	11-17-25	REVISED PER CITY COMMENTS
0	10-16-25	PERMIT SET

STATE OF MISSOURI
 RANDALL C. PURDIE
 PROFESSIONAL ENGINEER
 NUMBER PE-2022026740
 11/17/20

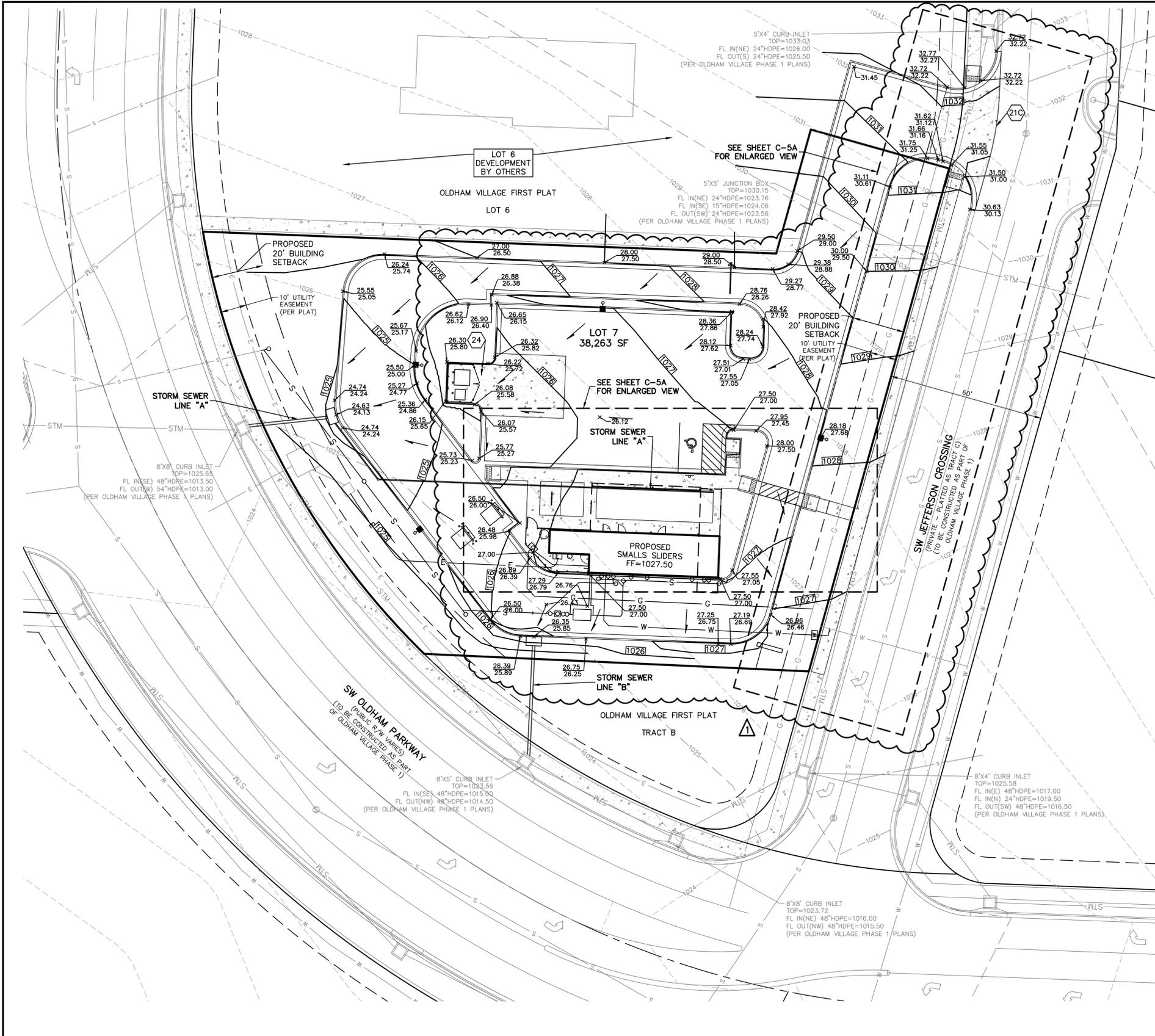
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KAW VALLEY ENGINEERING

SMALLS SLIDERS
SW JEFFERSON CROSSING
LEE'S SUMMIT, MISSOURI

CIVIL CONSTRUCTION PLANS
EXISTING CONDITIONS PLAN

THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF K&W VALLEY ENGINEERING, INC.



LEGEND (PROPOSED)

- 29.95 SPOT ELEVATION (ADD 1000), TOP OF PAVEMENT
- 31.50 TOP OF CURB (ADD 1000)
- 31.00 FLOWLINE OF CURB (ADD 1000)
- FLOW DIRECTION
- 1027 FINISHED 1' CONTOUR INTERVALS, TOP OF PAVEMENT
- 1027 1' CONTOUR INTERVALS PER OLDHAM VILLAGE PHASE I PLANS

NOTES:

- 21C MATCH PAVEMENT ELEVATIONS CONSTRUCTED W/ OLDHAM VILLAGE DEVELOPMENT PHASE I
- 24 GRADE TRASH ENCLOSURE TO DRAIN

- GRADING NOTES:**
- THE CONSTRUCTION AREA SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL AND ORGANIC MATTER FROM ALL AREAS TO BE OCCUPIED BY BUILDING AND PAVING. TOPSOIL FOR REPLACEMENT ON SLOPES MAY BE STOCKPILED ON SITE. EXCESS TOPSOIL MAY BE WASTED IN FILL SLOPES PROVIDED THAT NO TOPSOIL WILL BE WASTED WITHIN 10 FEET OF THE EDGE OF THE BUILDING OR PARKING AREA. BURNING OF TIMBER WILL NOT BE PERMITTED UNLESS APPROVAL IS OBTAINED FROM GOVERNING OFFICIALS. STRIPPING EXISTING TOPSOIL AND ORGANIC MATTER SHALL BE TO A MINIMUM DEPTH OF 6 INCHES.
 - AREAS TO RECEIVE FILL SHALL BE SCARIFIED AND THE TOP 8-INCH DEPTH COMPACTED TO 95% STANDARD PROCTOR DENSITY. ANY UNSUITABLE AREAS SHALL BE UNDERCUT AND REPLACED WITH SUITABLE MATERIAL BEFORE ANY FILL MATERIAL CAN BE APPLIED.
 - OFF-SITE FILL MATERIAL SHALL HAVE A PLASTICITY INDEX BETWEEN 10 AND 25, A LIQUID LIMIT OF 45 OR LESS AND CONTAIN NO ROCK LARGER THAN THREE INCHES. OFF-SITE FILL MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO BRINGING ON SITE.
 - EARTHWORK UNDER THE BUILDING SHALL COMPLY WITH THE PROJECT ARCHITECTURAL PLANS AND THE GEOTECHNICAL REPORT DATED MAY 30, 2025 BY KAW VALLEY ENGINEERING. LVC SHALL BE PLACED 12" BELOW THE BUILDING SLAB AND 8" BELOW PAVEMENT. A MAJORITY OF THE ON-SITE SOILS DO NOT MEET THE REQUIREMENTS OF LVC. FILL MATERIAL SHALL BE MADE IN LIFTS NOT TO EXCEED EIGHT INCHES DEPTH COMPACTED TO 95% STANDARD PROCTOR DENSITY. FILL MATERIAL MAY INCLUDE ROCK FROM ON-SITE EXCAVATION IF CAREFULLY PLACED SO THAT LARGE STONES ARE WELL DISTRIBUTED AND VOIDS ARE COMPLETELY FILLED WITH SMALLER STONES, EARTH, SAND OR GRAVEL TO FURNISH A SOLID EMBANKMENT. NO ROCK LARGER THAN THREE INCHES IN ANY DIMENSION NOR ANY SHALE SHALL BE PLACED IN THE TOP 12 INCHES OF EMBANKMENT.
 - AREAS THAT ARE TO BE CUT TO SUBGRADE LEVELS SHALL BE PROOF ROLLED WITH A MODERATELY HEAVY LOADED DUMP TRUCK OR SIMILAR APPROVED CONSTRUCTION EQUIPMENT TO DETECT UNSUITABLE SOIL CONDITIONS.
 - IN ALL AREAS OF EXCAVATION, IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED, A QUALIFIED GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE ENGINEER THE METHODS OF UNDERCUTTING AND REPLACEMENT OF PROPERLY COMPACTED, APPROVED FILL MATERIAL. ALL PROOFROLLING AND UNDERCUTTING SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
 - ALL SLOPES ARE TO BE 3:1 OR FLATTER UNLESS OTHERWISE INDICATED.
 - ALL SLOPES EXCEEDING 3:1 SHALL BE PROTECTED BY RIP RAP, CONCRETE PAVING, OR OTHER METHODS INDICATED ON THESE PLANS, THAT WILL PREVENT EROSION AND PLACED SUCH THAT THE SURFACE IS FLUSH WITH SURROUNDING GROUND AND SHAPED TO CHANNEL WATER IN DIRECTIONS INDICATED.
 - ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON-SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
 - CONTRACTOR SHALL USE SILT FENCE, STRAW WATTLES OR OTHER MEANS OF CONTROLLING EROSION ALONG THE EDGE OF THE PROPERTY OR OTHER BOTTOM OF SLOPE LOCATIONS.
 - CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS.
 - THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
 - IT IS NOT THE DUTY OF THE ENGINEER OR THE OWNER TO REVIEW THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE AT ANY TIME DURING CONSTRUCTION.
 - THE SITENETWORK FOR THIS PROJECT SHALL MEET OR EXCEED STANDARD SITENETWORK SPECIFICATIONS.
 - PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE OR TO END OF END SECTIONS.
 - HANDICAP STALLS SHALL MEET ADA REQUIREMENTS AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION AT THE BUILDING ENTRY AND ACCESSIBLE PARKING STALLS. SLOPES EXCEEDING 2.0% WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

NOTE:

- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE, SLOPED PAVING, EXIT PORCHES, RAMPS, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
- THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND CONTRACT DOCUMENTS.

SEE SHEET C-6 FOR STORM SEWER PLAN & PROFILES

IF DISCREPANCIES EXIST BETWEEN THE GRADING NOTES HEREON AND THE RECOMMENDATIONS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT SHALL GOVERN.

PROJ. NO.	A25D2009	DESIGNER	RCP	DRAWN BY	JP
SHEET	C-5	REV	1	DATE	11-17-25
REV	0	DATE	10-16-25	PERMIT SET	RCP
REV	1	DATE	11-17-25	REVISED PER CITY COMMENTS	RCP
DESCRIPTION	DSN	CHK	DWN	CHK	CHK



RANDALL C PURDUE
ENGINEER
MO # PE-2022026740

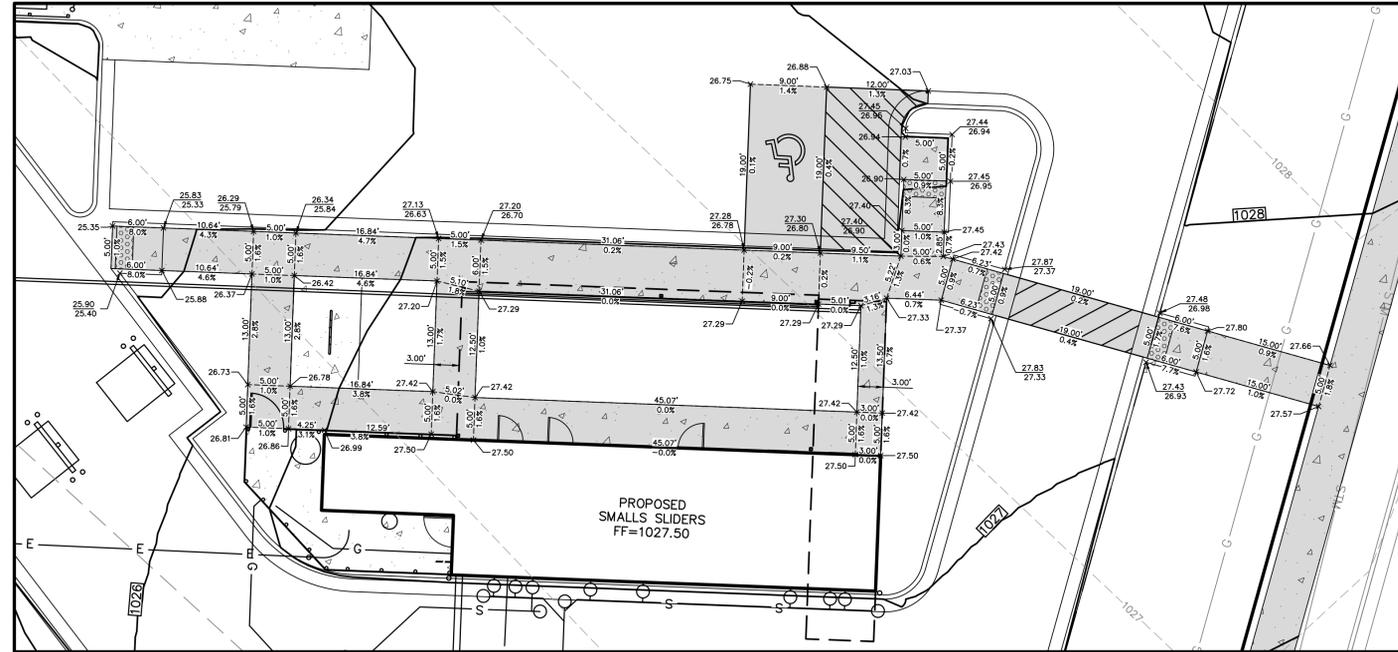
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KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/25

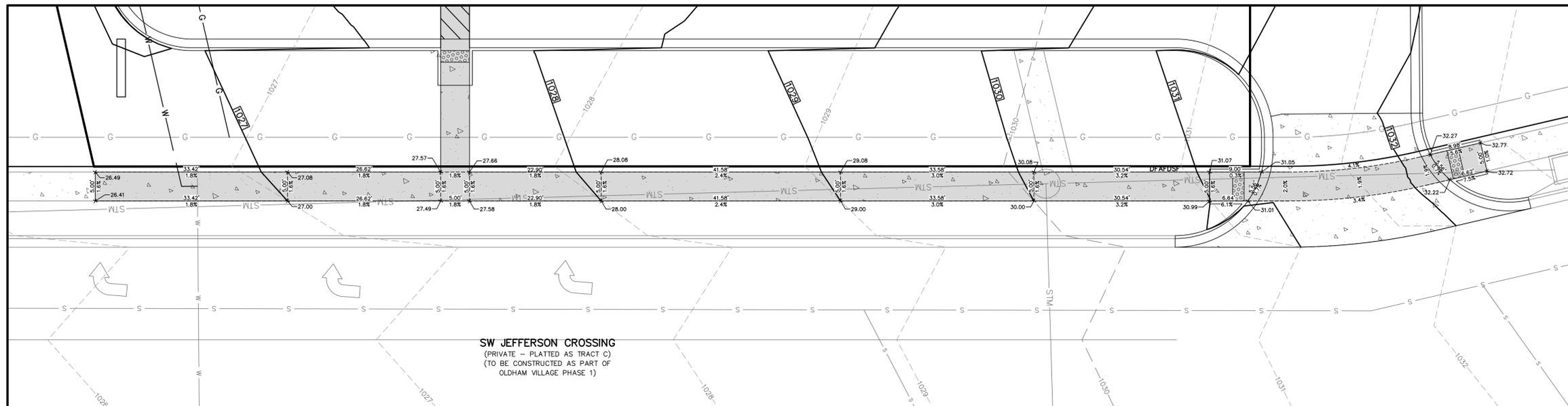
**SMALLS SLIDERS
SW JEFFERSON CROSSING
LEE'S SUMMIT, MISSOURI**

**CIVIL CONSTRUCTION PLANS
GRADING PLAN**



ENLARGED VIEW 2 - ADA ROUTE

- LEGEND (PROPOSED)
- 29.95 SPOT ELEVATION (ADD 1000), TOP OF PAVEMENT
 - X TOP OF CURB (ADD 1000)
 - 31.50 FLOWLINE OF CURB (ADD 1000)
 - ← FLOW DIRECTION
 - 1027 FINISHED 1' CONTOUR INTERVALS, TOP OF PAVEMENT
 - 1027 1' CONTOUR INTERVALS PER OLDHAM VILLAGE PHASE I PLANS
 - ADA PATH



ENLARGED VIEW 1 - ADA ROUTE

SHEET ADDED

REV	DATE	DESCRIPTION
1	11-17-25	REVISED PER CLIENT COMMENTS
		DSN
		DWN
		CHK

STATE OF MISSOURI
RANDALL C PURDUE
Randall C Purdue
 NUMBER
 PE-2022026740
 11/17/20
 PROFESSIONAL ENGINEER

RANDALL C PURDUE
 ENGINEER
 MO # PE-2022026740

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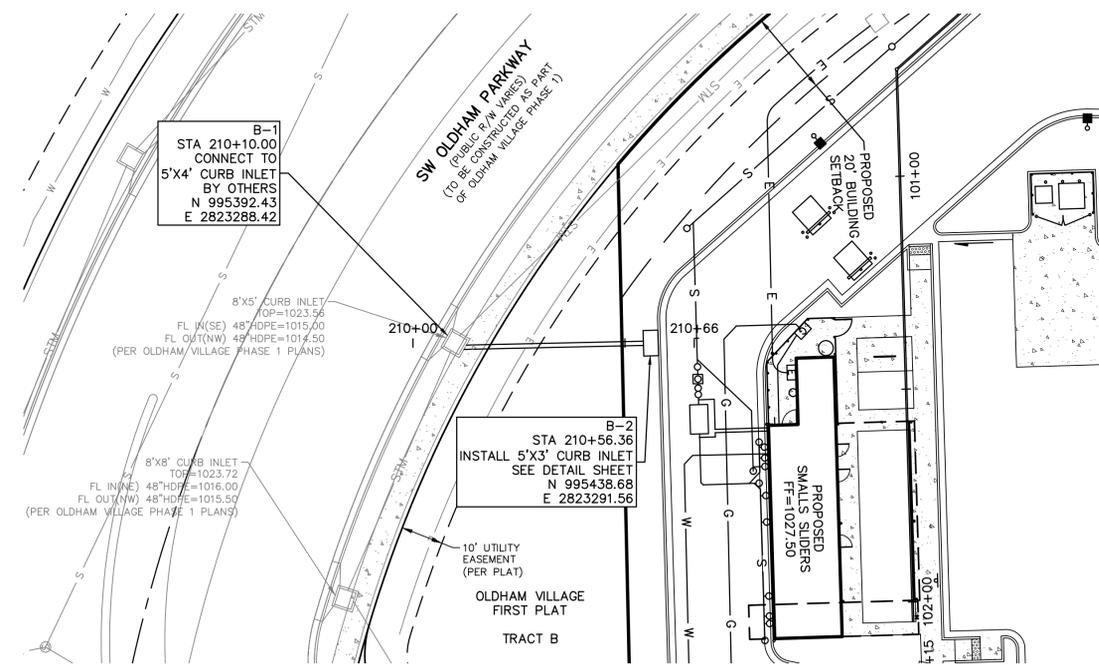
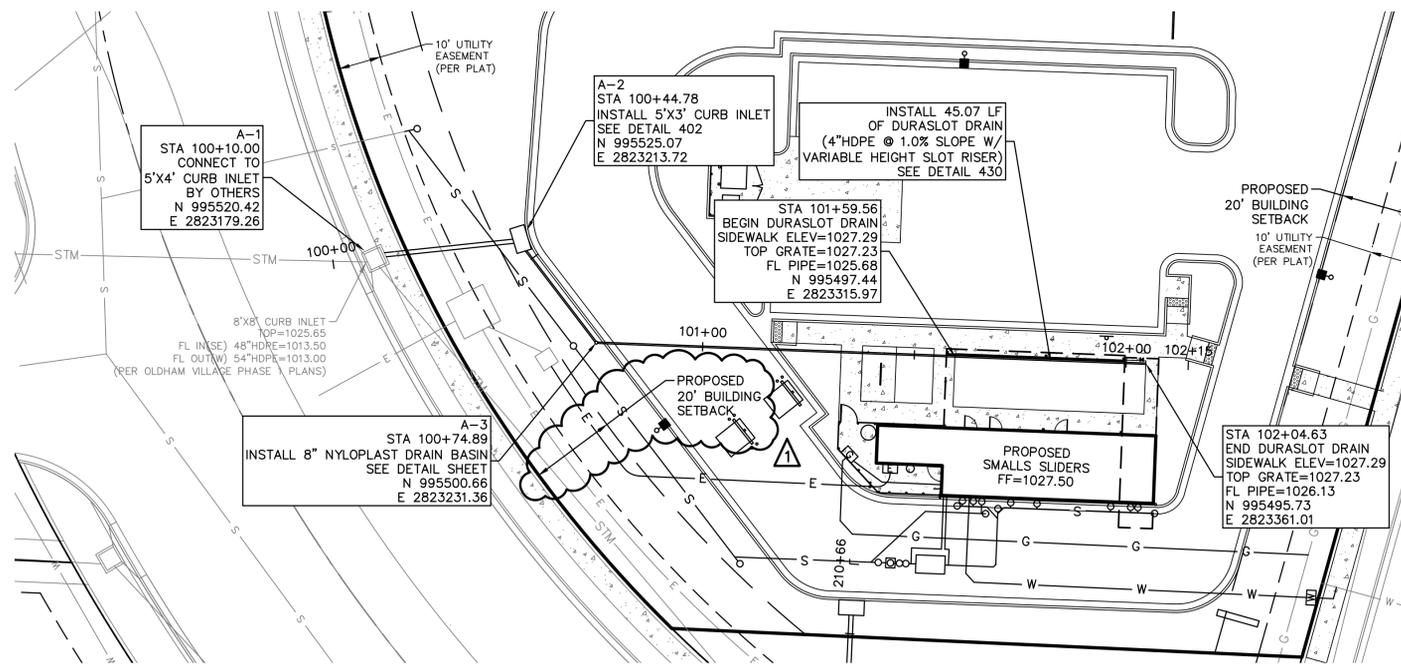
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SMALLS SLIDERS
SW JEFFERSON CROSSING
LEE'S SUMMIT, MISSOURI

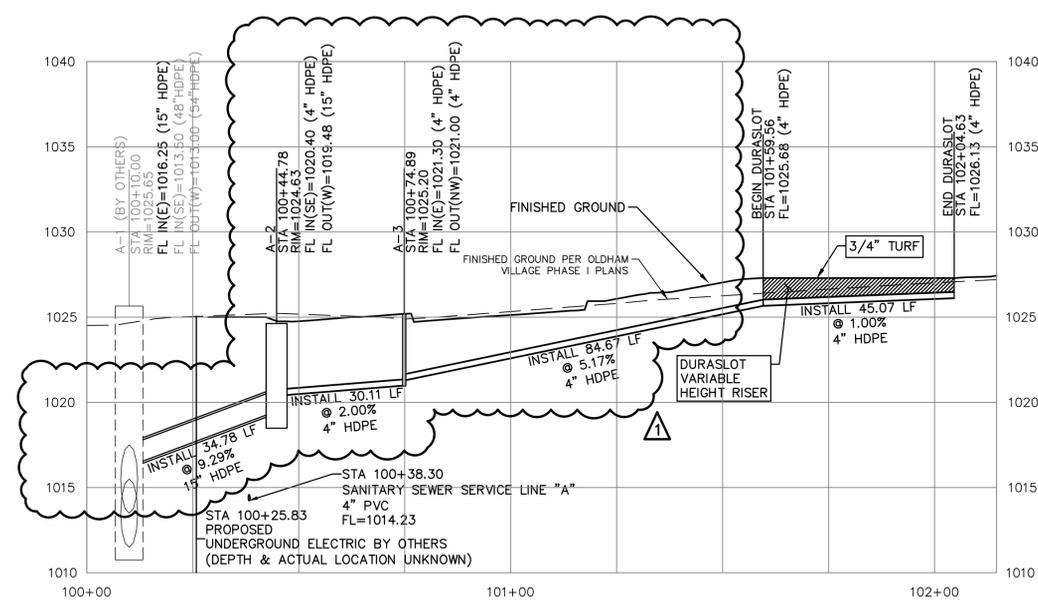
CIVIL CONSTRUCTION PLANS
GRADING PLAN

PROJ. NO.	A2502009
DESIGNER	RCP
DRAWN BY	JP
CFN	
SHEET	2009GP
	REV
C-5A	1

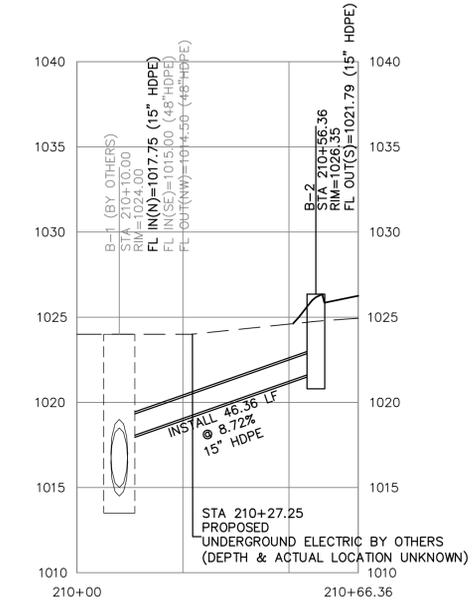


SCALE:
 PLAN: 1" = 20'
 PROFILE: 1" = 20' HORIZ.
 1" = 5' VERT.

SCALE:
 PLAN: 1" = 20'
 PROFILE: 1" = 20' HORIZ.
 1" = 5' VERT.



STORM SEWER LINE "A"



STORM SEWER LINE "B"

REV	DATE	DESCRIPTION
1	11-17-25	REVISED PER CITY COMMENTS
0	10-16-25	PERMIT SET

STATE OF MISSOURI	RANDALL C PURDUE
Professional Engineer	PE-2022026740
11/17/20	

RANDALL C PURDUE
 ENGINEER
 MO # PE-2022026740

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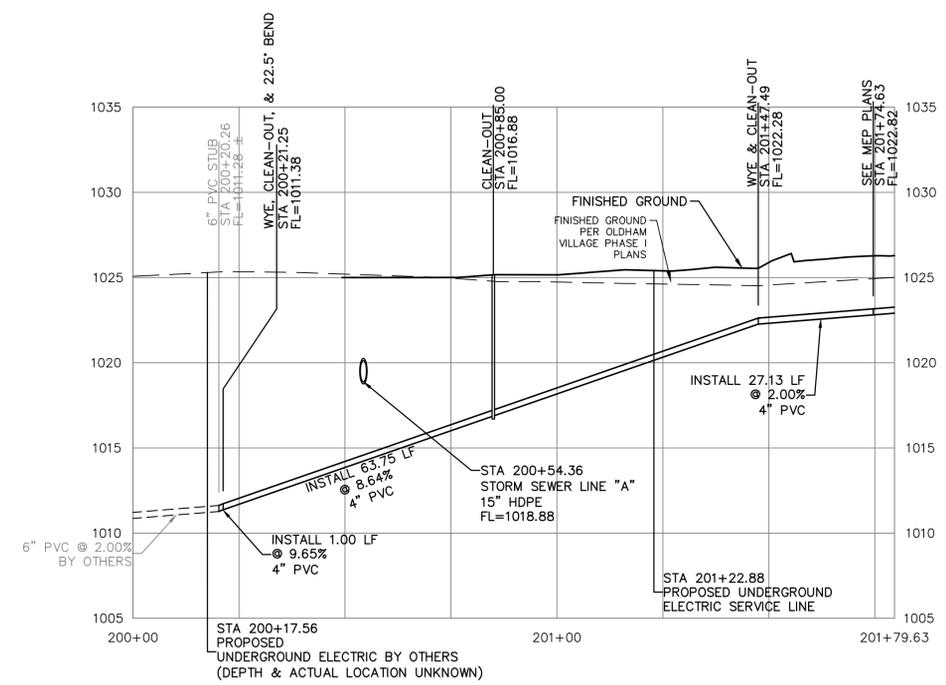
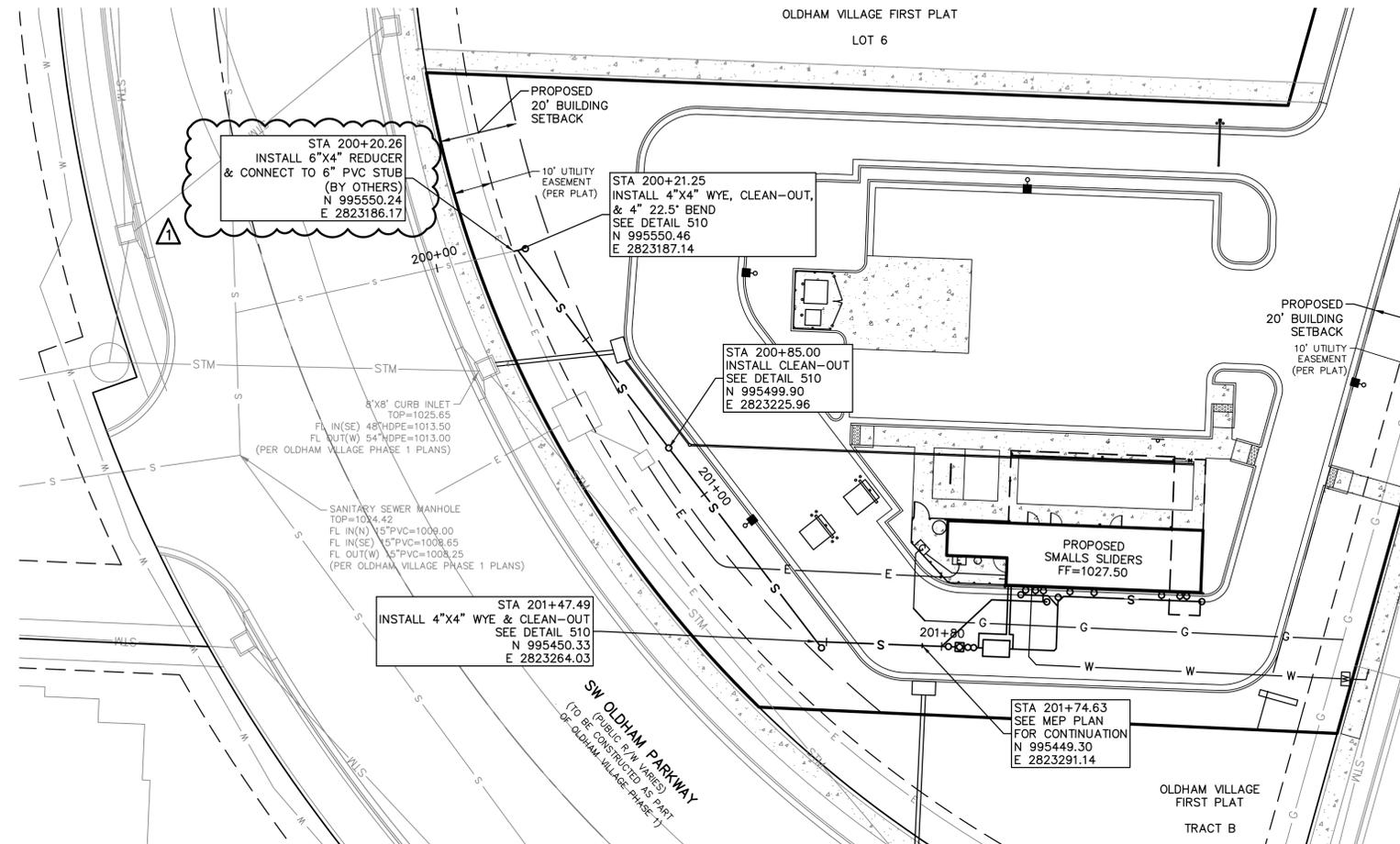
KAW VALLEY ENGINEERING
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SMALLS SLIDERS
 SW JEFFERSON CROSSING
 LEE'S SUMMIT, MISSOURI

CIVIL CONSTRUCTION PLANS
 STORM SEWER LINE A & B PLAN & PROFILE

PROJ. NO.	A25D2009
DESIGNER	RCP
DRAWN BY	JP
CFN	2009DPP
SHEET	C-6
REV	1

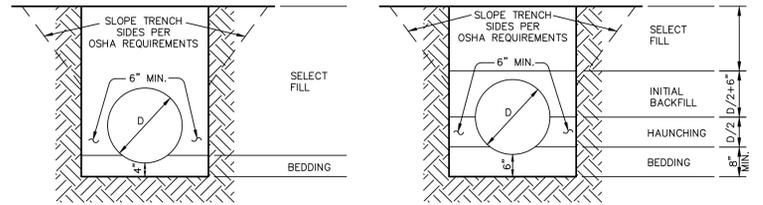
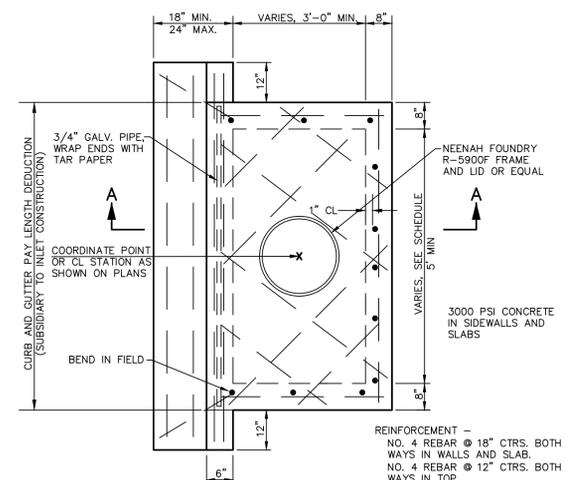
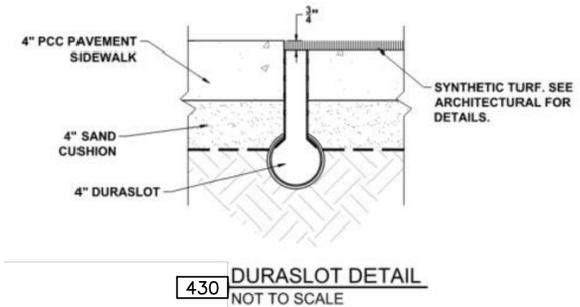
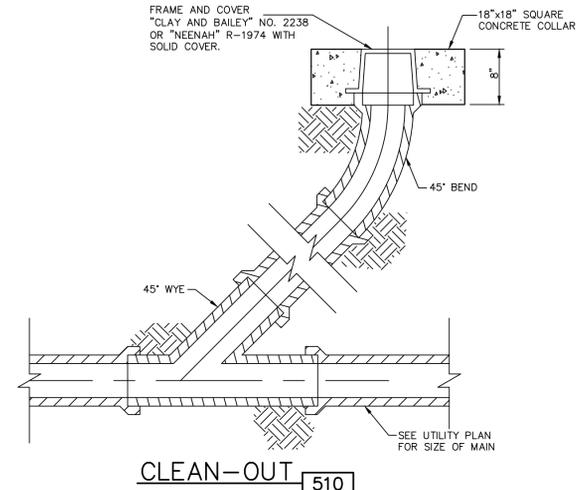
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SANITARY SEWER SERVICE LINE

NOTES:
 1. A MINIMUM HORIZONTAL DISTANCE OF 10 FEET SHALL BE MAINTAINED BETWEEN PARALLEL WATER AND SANITARY SEWER LINES. WHEN IT IS NECESSARY FOR ANY WATER LINE TO CROSS A SANITARY SEWER LINE, THE SEWER LINE SHALL BE ENCASED IN CONCRETE OR CONSTRUCTED OF DUCTILE IRON PIPE OR PVC PIPE WITH NO JOINTS WITHIN 10 FEET OF THE CROSSING UNLESS THE WATER LINE IS AT LEAST 2 FEET CLEAR DISTANCE ABOVE THE SANITARY SEWER LINE.

STATE OF MISSOURI PROFESSIONAL ENGINEER RANDALL C. PURDUE NUMBER PE-2022026740 11/17/20	REV	DATE	DESCRIPTION
1	11-17-25	REVISED PER CITY COMMENTS	
0	10-16-25	PERMIT SET	
			DSN
			DWN
			CHK
RANDALL C. PURDUE ENGINEER MO # PE-2022026740			
2319 N. JACKSON P.O. BOX 1304 JUNCTION CITY, KANSAS 66441 TEL: (785) 762-5040 jcp@kvweng.com www.kvweng.com			
KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/25.			
SMALLS SLIDERS SW JEFFERSON STREET LEE'S SUMMIT, MISSOURI			
PROJ. NO. A25D2009 DESIGNER RCP DRAWN BY JP CFN 2009SPP SHEET C-9 REV 1			
CIVIL CONSTRUCTION PLANS SANITARY SEWER SERVICE LINE PLAN & PROFILE			



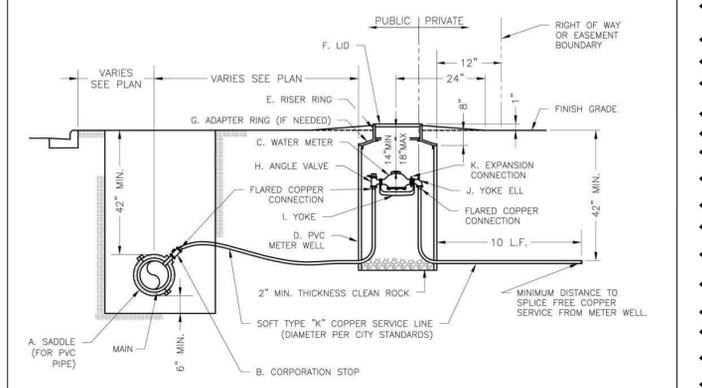
RIGID PIPE: INCLUDES REINFORCED CONCRETE, DUCTILE IRON, & CAST IRON

- BEDDING SHALL BE COMPACTED SAND AND SHALL BE SHAPED TO THE BOTTOM OF THE PIPE.
- SELECT FILL SHALL BE NATIVE MATERIAL FREE OF LARGE ROCKS, DEBRIS, AND ORGANICS (3"+) AND SHALL BE PLACED IN 8" MAX. LOOSE LIFTS AND COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.
- SELECT FILL PLACEMENT AND COMPACTION SAME AS FOR RIGID PIPE.

FLEXIBLE PIPE: INCLUDES CORRUGATED METAL PIPE, CORRUGATED POLYETHYLENE PIPE AND/OR POLYVINYL CHLORIDE PIPE.

- BEDDING AND HAUNCHING MATERIAL SHALL BE COMPACTED SAND, UNLESS NOTED OTHERWISE ON PLANS AND SHALL BE SHAPED TO THE BOTTOM OF THE PIPE.
- INITIAL BACKFILL MATERIAL OR SELECT MATERIAL (INCLUDING SAND) COMPACTED IN ACCORDANCE TO SPECIFICATIONS.
- SELECT FILL PLACEMENT AND COMPACTION SAME AS FOR RIGID PIPE.

TRENCH AND BEDDING DETAILS 206

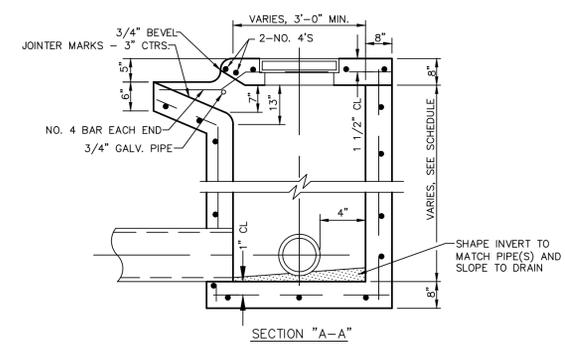


- NOTES:
- METER INSTALLATION SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC OR IN CONCRETE PAVEMENT WITHOUT CITY APPROVAL.
 - IF METER IS TO BE LOCATED OTHER THAN IN FRONT OF PROPERTY LINE, CITY APPROVAL SHALL BE OBTAINED.
 - CITY TO FURNISH ITEMS A-K.
 - NO OTHER EQUIPMENT SHALL BE INSTALLED IN THIS PIT.
 - 42" MINIMUM BURY DEPTH FOR ALL SERVICE LINES.
 - EXCAVATION FOR TAP TO EXPOSE 4 LINEAR FEET OF MAIN.
 - NO SPLICES ALLOWED BETWEEN METER AND MAIN.
 - SERVICE CONNECTION TAP AT APPROXIMATELY 45 DEGREES.
 - LID AND RISER RING SHALL BE SET SO THAT GROUND WATER WILL DRAIN AWAY FROM THE WELL.
 - CONTACT WATER UTILITIES, 816-969-1900, FOR REQUIREMENTS OF A METER LARGER THAN 2".

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

DATE: 08/2023
DRAWN BY: MTF
CHECKED BY: KLY

WAT-11



- NOTES:
- USE 3000 P.S.I. CONCRETE IN SIDE WALL AND SLAB.
 - PROVIDE 3/4" ROUNDED EDGE ON ALL EXPOSED CORNERS.
 - WHERE INLETS ARE SET IN CURVES, FORM FRONT WALL TO CONFORM TO CURVE.
 - PRE-CAST UNITS MAY BE SUBSTITUTED WITH THE ENGINEER'S APPROVAL. SHOP DRAWINGS AND DESIGN CALCULATIONS MUST BE SUBMITTED.
 - THE TOP OF THE INLET SHALL BE SLOPED TO FIT STREET, SIDEWALK, OR FINISHED GROUND ELEVATIONS.

CURB INLET 402

NYLOPLAST 8" DRAIN BASIN: 2808AG __ X

(1) DUCTILE IRON GRATE
CONCRETE WALKWAY OR DECK

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

(4) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE:
4" - 8" FOR CORRUGATED HDPE (ADS IN-2/HANCOCK DUAL WALL, ADS/HANCOCK SINGLE WALL), PVC SEWER (EX. SCH. 40), PVC DWV (EX. SCH. 40), PVC D900/C905, CORRUGATED & RIBBED PVC

WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

GRATE OPTIONS	LOAD RATING	PART #
STANDARD	LIGHT DUTY	0898CGSF
SOLID COVER	LIGHT DUTY	0898CGCF
BRONZE	N/A	0898CGBF
DOME	N/A	0898CGDF
DROP IN GRATE	LIGHT DUTY	0801DI

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.

2 - CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 700-110-060.

3 - STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°. CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360° TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS (SEE DRAWING NO. 700-110-012).

4 - DRAINAGE CONNECTION SUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D2222 FOR CORRUGATED HDPE (ADS IN-2/HANCOCK DUAL WALL & PVC SEWER (4" - 24").

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ADSS Nyloplast

8 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

DATE: 6-25-18
APP'D BY: MWH
PROJECT NO./NAME: [REDACTED]
DATE: 6-25-18
DWG NO.: 7001-110-072
SCALE: 1:12 SHEET: 1 OF 1
REV: F

REV	DATE	DESCRIPTION
1	11-17-25	REVISED PER CITY COMMENTS
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RANDALL C. PURDUE
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**SMALL SLIDERS
SW JEFFERSON CROSSING
LEES SUMMIT, MISSOURI**

**CIVIL CONSTRUCTION PLANS
DETAIL SHEET**

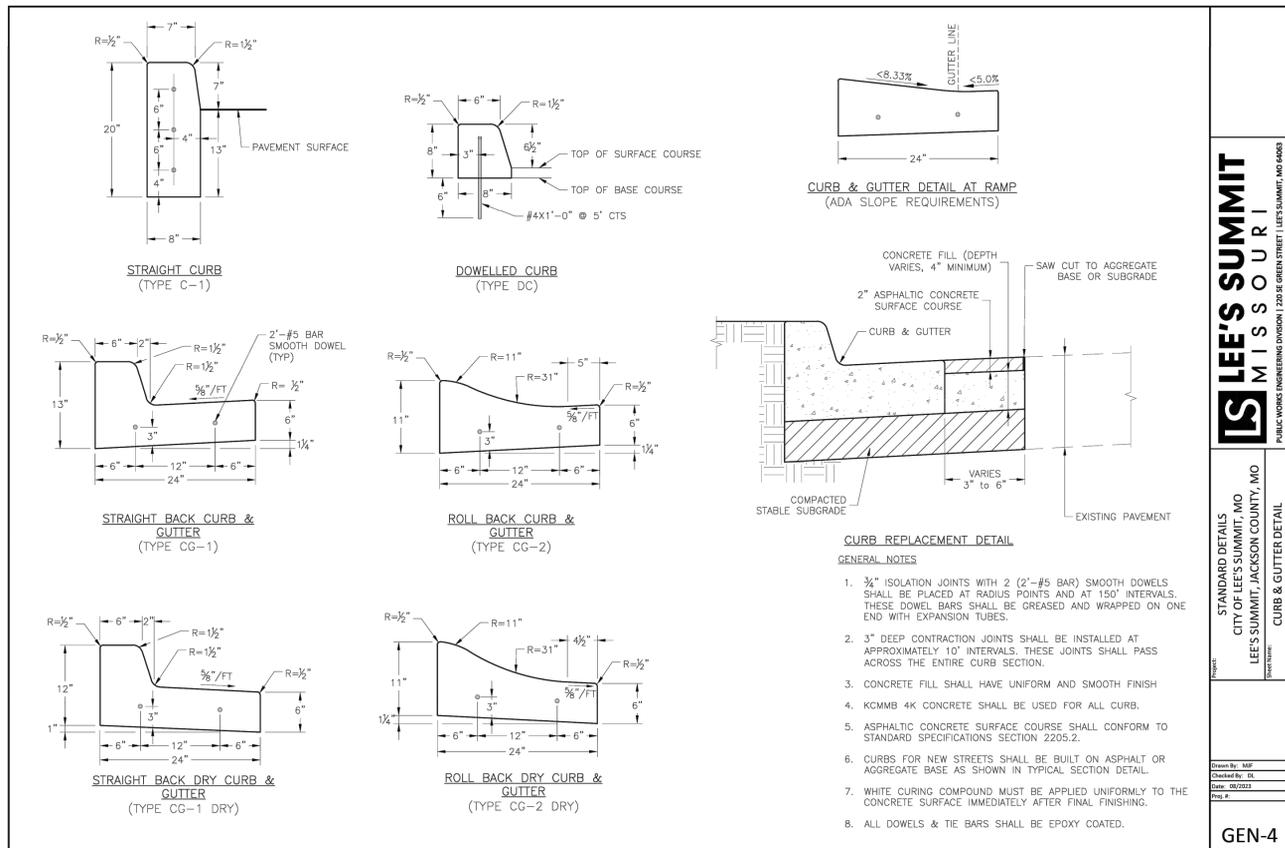
PROJ. NO. **A2502009**

DESIGNER **RCP** DRAWN BY **JP**

CFN

2009DET

SHEET **C-11** REV **1**

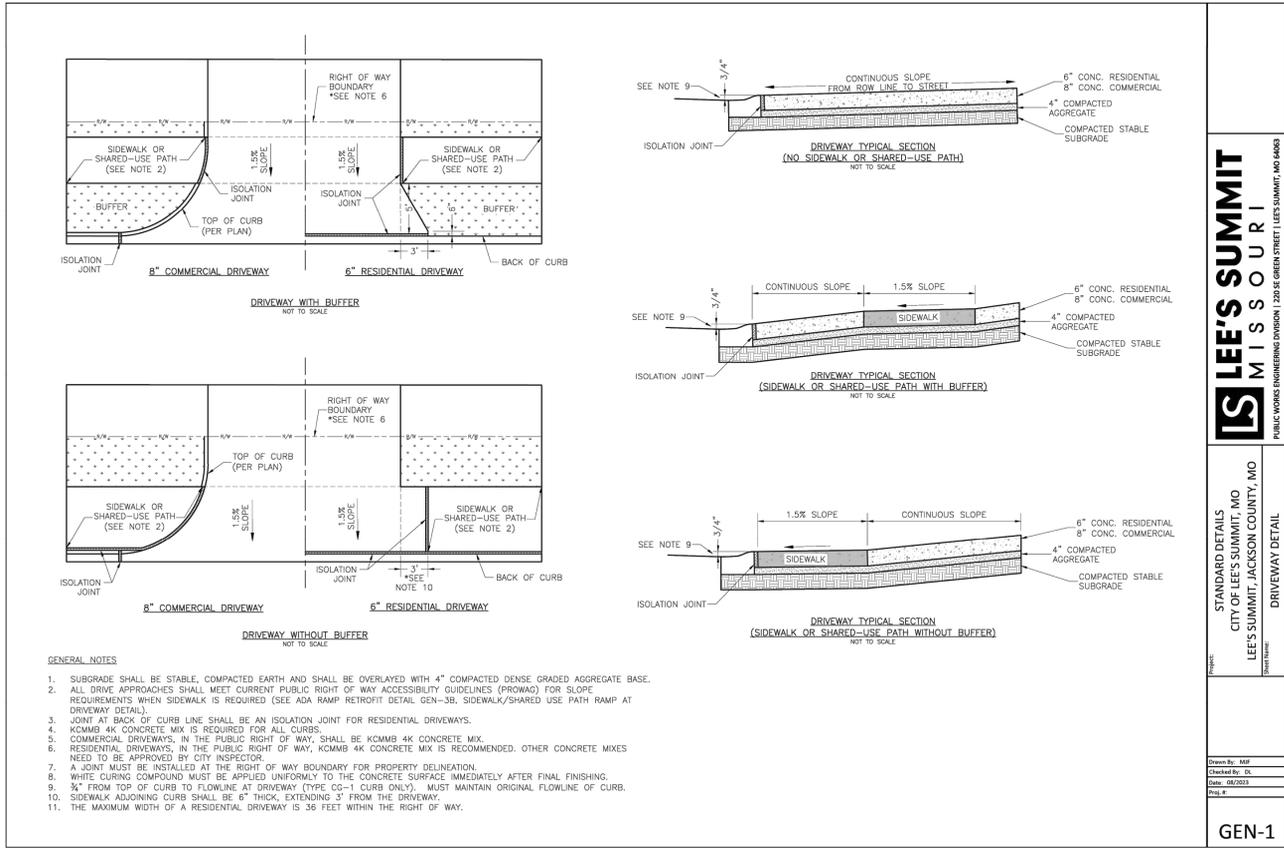


LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEES SUMMIT, MO 64043

STANDARD DETAILS
 CITY OF LEES SUMMIT, MO
 LEES SUMMIT, JACKSON COUNTY, MO

CURB & GUTTER DETAIL

GEN-4

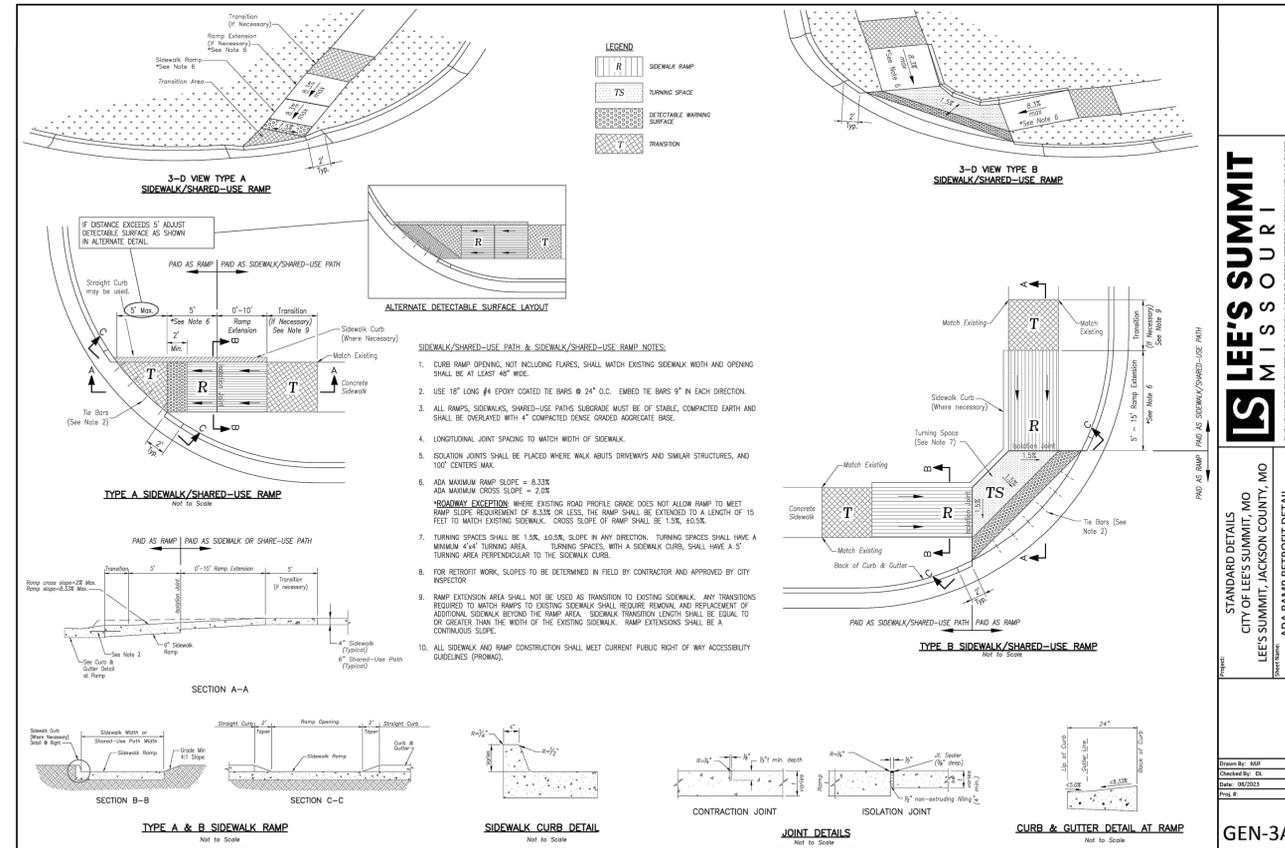


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 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEES SUMMIT, MO 64043

STANDARD DETAILS
 CITY OF LEES SUMMIT, MO
 LEES SUMMIT, JACKSON COUNTY, MO

DRIVEWAY DETAIL

GEN-1



LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEES SUMMIT, MO 64043

STANDARD DETAILS
 CITY OF LEES SUMMIT, MO
 LEES SUMMIT, JACKSON COUNTY, MO

ADA RAMP RETROFIT DETAIL

GEN-3A

PROJ. NO.	A2502009	
DESIGNER	RCP	
DRAWN BY	JP	
CFN		
SHEET	2009DET	
C-12	1	
REV	DATE	DESCRIPTION
0	10-16-25	PERMIT SET
1	11-17-25	REVISED PER CITY COMMENTS
RCP	JP	RCP
JP	JP	JP
DSN	DWN	CHK

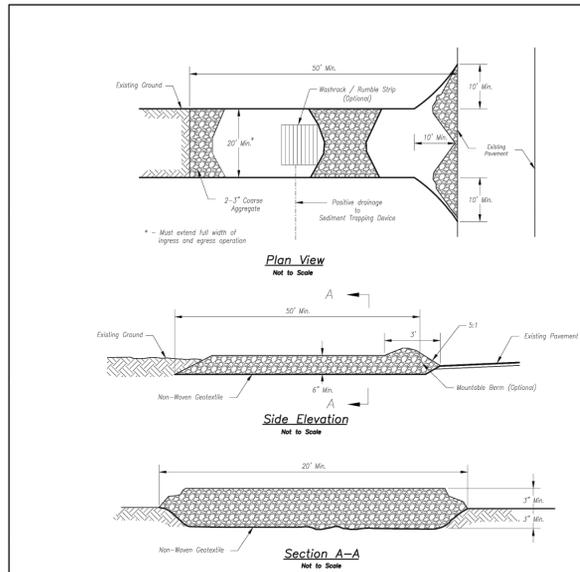
KAW VALLEY ENGINEERING
 KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842.
 EXPIRES 12/31/25

RANDALL C PURDUE
 ENGINEER
 MO # PE-2022026740

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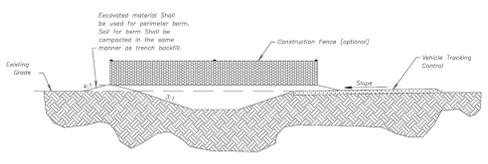
SMALLS SLIDERS
SW JEFFERSON CROSSING
LEE'S SUMMIT, MISSOURI

CIVIL CONSTRUCTION PLANS
DETAIL SHEET



- Notes for Concrete Washout:**
- Concrete washout areas shall be installed prior to any concrete placement on site.
 - Concrete washout area shall include a flat subsurface pit sized relative to the amount of concrete to be placed on site. The slope leading out of the subsurface pit shall be 3:1. The vehicle tracking pit shall be sloped towards the concrete washout area.
 - Vehicle tracking control is required at the access point to all concrete washout areas.
 - Signs shall be placed at the construction site entrance, washout area and elsewhere as necessary to clearly indicate the location(s) of the concrete washout area(s) to operators of concrete truck and pump rigs.
 - A one-piece impervious liner may be required along the bottom and sides of the subsurface pit in sandy or gravelly soils.

- Maintenance for Concrete Washout:**
- Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
 - Concrete washout areas shall be enlarged as necessary to maintain capacity for washed concrete.
 - Concrete washout water washed pieces of concrete and all other debris in the subsurface pit shall be transported from the job site in a water-tight container and disposed of properly.
 - Concrete washout areas shall remain in place until all concrete for the project is placed.
 - When concrete washout areas are removed, excavations shall be filled with suitable compacted backfill and topped, any disturbed area associated with the installation, maintenance, and/or removal of the concrete washout areas shall be stabilized.



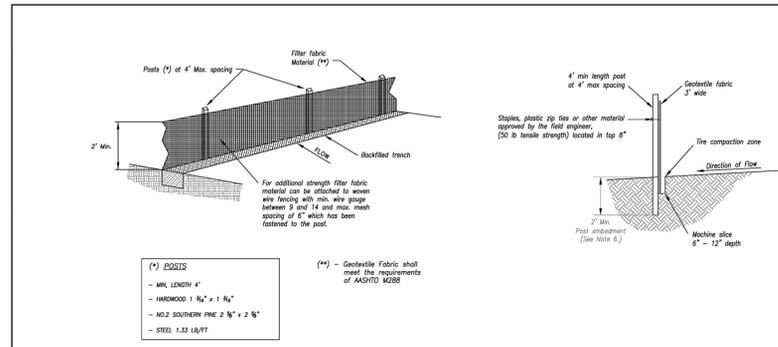
CONCRETE WASHOUT

AMERICAN PUBLIC WORKS ASSOCIATION
 KANSAS CITY METRO CHAPTER
 CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT
 STANDARD DRAWING NUMBER ESC-01
 ADOPTED: 10/24/2016

- Notes for Construction Entrance:**
- Avoid loading on steep slopes, or curves on public roads, or downhill of disturbed area.
 - Remove all vegetation and other unsuitable material from the foundation area, grade, and cover for positive drainage.
 - If slope towards the public road exceeds 2%, construct a 6- to 8-inch high ridge with 3/4" IV side slopes across the foundation approximately 15 feet from the edge of the public road to divert runoff from it.
 - Install pipe under the entrance if needed to maintain drainage ditches along public roads.
 - Place stone to dimensions and grade as shown on plans. Leave surface slopes for drainage.
 - Divert all surface runoff and drainage from the entrance to a sediment control device.
 - If conditions warrant, place geotextile fabric on the graded foundation to improve stability.
- Maintenance for Construction Entrance:**
- Reshape entrance as needed to maintain function and integrity of installation. Top dress with clean aggregate as needed.

CONSTRUCTION ENTRANCE

Construction Entrance modified from 2015 Overland Park Standard Details for Erosion and Sediment Control; Concrete Washout modified from 2009 City of Great Bend Standard Drawings.



- (*) PG515**
- MIN. LENGTH 4'
 - HARDWOOD 1 1/2" x 1 1/4"
 - #2 SOUTHERN PINE 2 1/2" x 2 1/2"
 - STEEL 1.33 LB/FT

- (**) - Geotextile fabric shall meet the requirements of AASHTO M288**

SILT FENCE DETAILS

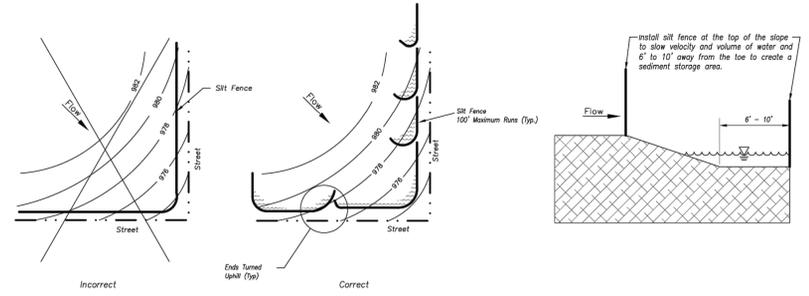


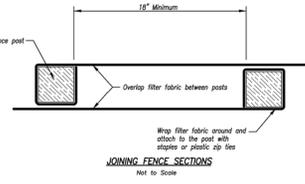
Figure A

SILT FENCE LAYOUT

- Notes:**
- In order to contain water, the ends of the silt fence must be turned uphill (Figure A).
 - Long perimeter runs of silt fence must be limited to 100'. Runs should be broken up into several smaller segments to minimize water concentrations (Figure A).
 - Long slopes should be broken up with intermediate rows of silt fence to slow runoff velocities.
 - Attach fabric to upstream side of post.
 - Install posts a minimum of 2' into the ground.
 - Trenching will only be allowed for small or difficult installation, where slicing machine cannot be reasonably used.

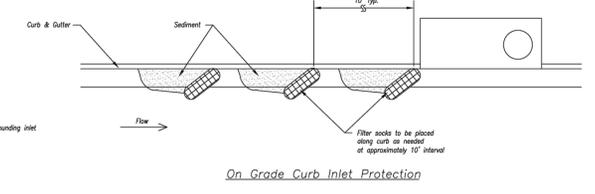
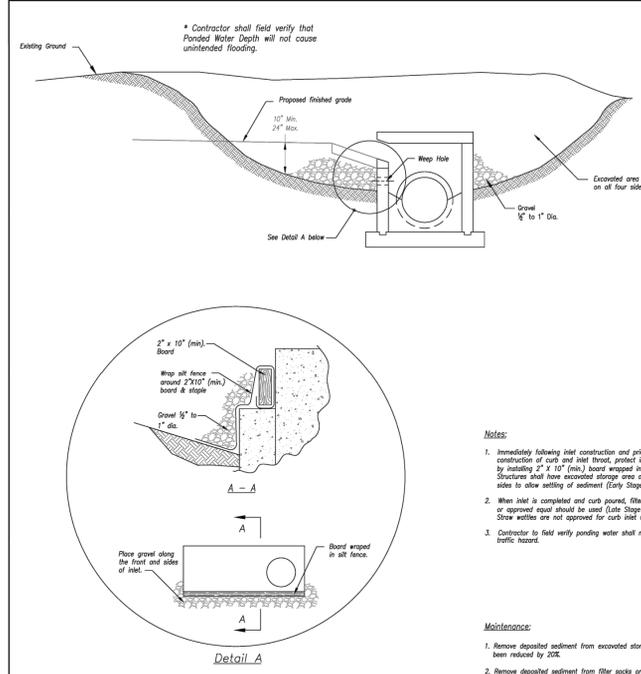
Maintenance:

- Remove and dispose of sediment deposits when the deposit approaches 1/2 the height of silt fence.
- Repair as necessary to maintain function and structure.

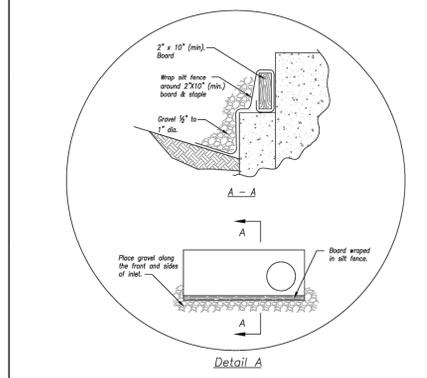


AMERICAN PUBLIC WORKS ASSOCIATION
 KANSAS CITY METRO CHAPTER
 SILT FENCE
 STANDARD DRAWING NUMBER ESC-03
 ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

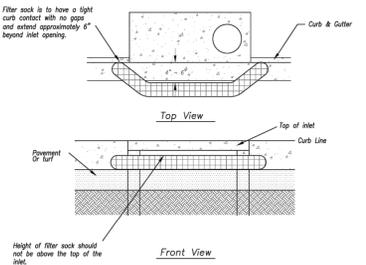


On Grade Curb Inlet Protection



- Notes:**
- Immediately following inlet construction and prior to construction of curb and inlet throat, protect inlet opening by installing 2' x 10' (min.) board wrapped in silt fence. Structures shall have excavated storage area on all four sides to allow settling of sediment (Early Stage Curb Inlet).
 - When inlet is completed and curb poured, filter socks or approved equal should be used (Late Stage Curb Inlet). Stone weirs are not approved for curb inlet use.
 - Contractor to field verify ponding water shall not create a traffic hazard.

- Maintenance:**
- Remove deposited sediment from excavated storage areas when available storage has been reduced by 20%.
 - Remove deposited sediment from filter socks or similar when any accumulation of sediment is visible.
 - Repair or replace as necessary to maintain function and integrity of installation.



Sump Inlet Sediment Filter

LATE STAGE CURB INLET (After Pouring Curb and Inlet Throat)

AMERICAN PUBLIC WORKS ASSOCIATION
 KANSAS CITY METRO CHAPTER
 CURB INLET PROTECTION
 STANDARD DRAWING NUMBER ESC-06
 ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

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DESIGNER	RCP	DRAWN BY JP
CFN	2009DET	
SHEET	C-13	REV 1

