

Utility Contacts

Cable - Spectrum

Sanitary - City of Lee's Summit Water - City of Lee's Summit Storm Sewer - City of Lee's Summit Electric - Evergy Gas — Spire Telephone - AT&T

(816) 969-1900 (816) 969-1900 (816) 969-1800 (888) 471-5275 (816) 756-5252 (800) 464-7928 (816) 358-8833

<u>BM-1:</u> (Sanitary Sewer Manhole, Center of Lid)

Local Benchmarks:

Elevation: 1006.88' N: 1013449.78

E: 2826933.88

<u>BM-2:</u> (Storm Sewer Curb Inlet, Center of Lid) Elevation: 994.34'

N: 1013518.71

E: 2826136.03

Floodplain Note:

The site lies entirely with "Zone X", areas determined to be outside the 0.2% annual chance floodplain as depicted on the FEMA Flood Insurance Rate Map (FIRM) no. 29095C0430G, Revision Date: January 20, 2017.

<u>Property Legend</u>

— — gass — — — gass — — —

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right of way
property lines
easements
setbacks
existing minor contour
existing major contour
proposed minor contour
proposed major contour
existing proposed
sanitary main sanitary service storm sewer (existing) storm sewer (solid wall, prop

water service (domestic)

water service (irrigation)

natural gas service schematic

underground primary electric

underground secondary electric

underground cable/phone/data

underground cable/phone/data service

natural gas main

overhead electric

fence-chainlink

fence-barbed wire

fence-wood

proposed major contour	\otimes^{WV}	water valve
	M	water meter
existing proposed	BFP	backflow preventer
	$\boxtimes g$	natural gas meter
sanitary main	T	service transformer (pad
sanitary service storm sewer (existing)	S	primary switch gear
storm sewer (solid wall, proposed) storm sewer (solid wall, proposed)	\	light pole
storm sewer (perforated, proposed)	C	cable/phone/data junctio

0-⊕	pedestrian street
Ø	electric pole
\longrightarrow	guy wire
\triangleright	end section

<u>Symbols</u>

oco	service cleanout
⊗ ^{fmv}	force main release valve
	rectangular structure
\bigcirc	circular structure
Д	fire hydrant
⊗ ^{w∨}	water valve
M	water meter
BFP	backflow preventer
$\boxtimes^{\mathcal{G}}$	natural gas meter
T	service transformer (pad mo
S	primary switch gear
\(\phi\)	light pole
C	cable/phone/data junction bo
O——	street light

sanitary manhole

<u>General Notes</u>

co	service cleanout
fmv	force main release valve
	rectangular structure
\supset	circular structure
7	fire hydrant
₀ wv	water valve
W	water meter
3FP	backflow preventer
3 9	natural gas meter
T	service transformer (pad me

🖍 • All construction, including the work done in the right of way, shall follow the City of Lee's Summit Design & Construction Manual. • Erosion Control shall be per the Erosion and Sediment Control Program Manual of the City of Lee's Summit, MIssouri. All work and materials shall be subject to inspection and approval by the owner or the owner's representative. Any change or deviation from these plans must be authorized by the owner or the owner's representative. • All traffic control in connection with construction in the right—of—way shall be in conformance with the Manual of Uniform Traffic Control

A New Development for

D-Bat - Town Centre Lot 1

Section 29, Township 48 North, Range 31 West

City of Lee's Summit, Jackson County, MIssouri

FFE=1008.50

• The contractor shall be required to provide a stabilized construction entrance to prevent mud from being deposited onto adjacent roads.

• The contractor shall be responsible for obtaining all required permits, paying all fees, and otherwise complying with all applicable regulations

• The contractor shall protect from damage or injury all property including survey monuments, property markers, benchmarks, etc. Items damaged shall be reset by a professional land surveyor licensed in the state of Missouri, at the contractor's expense.

• The contractor shall be responsible for the restoration of the right-of-way and for damaged improvements such as curbs, sidewalks, street light and traffic signal junction boxes, traffic signal loop lead—ins, signal poles, etc. Damaged improvements shall be repaired in conformance with the latest city standards and to the city's satisfaction.

The contractor shall sod all disturbed areas within the public street right—of—way.

and/or gas wells on the property.

Paving shall conform to the soils report, and these drawings, any identified discrepancies shall be brought to the attention of the engineer.

The contractor shall contact the City's Development Services Engineering Inspection to schedule a pre-construction meeting with a field engineering inspector prior to any land disturbance work at (816) 969-1200.

• All concrete for public improvements shall comply with the Standards and Specifications of the Kansas City Metropolitan Materials Board (KCMMB). Structural concrete shall be 5,000 psi and nonstructural concrete shall be 4,000 psi.

• A right-of-way work permit and/or street excavations permit shall be obtained by the contractor to complete all utility work within the public

According to the MDNR Record Database and Field Survey, there is no evidence suggesting presence of any active, inactive or capped oil

PRCOM20222242



Sheet Index

C1.0 – Cover C1.1 - Notes C1.2 — Site Plan C1.3 – Utility Plan C2.1 – Grading Plan C2.2 — Erosion Control Plan — Phase I C2.3 - Erosion Control Plan - Phase II C2.4 — Spot Elevation Plan C3.1 — Existing Drainage Map C3.2 - Proposed Drainage Map C3.3 — Storm Calculations C3.4 - Private Storm Line 3 Plan & Profile C4.2 — Details C4.3 — Details C4.4 — Details

<u>Civil Engineer:</u>

Davidson Architecture & Engineering, LLC Mr. Paul A. Miller, P.E. 4301 Indian Creek Pkwy. Overland Park, KS 66207 Phone: (913) 451-9390 Email: Paul@davidsonae.com

Owner Information

WHD Management, LLC Mr. Josh Wilson PO Box 1059 Lee's Summit. MO 64063 Phone: (816) 935-5019 Email: jjwilson801213@gmail.com

Utility Notes

- Boundary information, existing utilities and topographic features shown are based on information supplied by owner, surveyor, and others.
- The existing utility locations shown on these plans are approximate and may not include all utility lines present. The contractor shall be responsible to make One Call and coordinate field location of all existing underground utilities prior to beginning excavation/construction activities.
- The contractor shall be responsible for any damage to any utilities or their structures during excavation/construction activities.
- The contractor shall coordinate and be responsible for connection fees, system development fees, taxes, etc. for all main connections and/or extensions with and from the city and/or respective utility unless otherwise coordinated with the Owner. All utility services for this project shall be coordinated with respective utility company by
- The contractor shall be responsible for adjusting all at-grade utilities such as manhole covers, valve box covers, etc. to finish grade, whether specifically indicated in these plans or not.
- Utilities shown on the plan with specific elevations and/or structure locations are SUE quality level "B", ie: storm sewer, sanitary sewer, water hydrants & valves, utility poles, etc. All other existing utility information shown is SUE quality level "D", primarily retracement of one—call and city records.

Americans with Disabilities Act (ADA) Notes:

 The running and cross slopes for all sidewalks, accessible paths, ramps, designated parking stalls, etc., shall be in compliance with latest Federal ADA guidelines, in addition to any accessibility standards adopted by the governing municipality. Prior to installation/construction, if any discrepancies are found within the plans, the Engineer All ADA parking areas shall have NO slopes greater than 2% in any direction.

<u>Legal description</u>

Lot 1, Lee's Summit Town Centre, Lot 1 & Lot 2, A Subdivision In Lee's Summit, Jackson County, Missouri. Containing 505,722.67 sq. ft. or 11.61 acres more or less.

Sidewalk construction must not exceed a 2% cross—slope and an 8.33% running

4301 Indian Creek Parkway Overland Park, KS 66207 phone: 913.451.9390 fax: 913.451.9391 www.davidsonae.com

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date 02.28.2022 drawn by JMP checked by PAM

elo

revisions 05.09.2022 05.19.2022 06.06.2022



sheet number

General Notes:

- The Contractor shall be responsible for obtaining all required permits, paying all fees, and otherwise complying with all applicable regulations governing the project.
- All materials, workmanship, and construction shall meet or exceed the city standards. Where there is conflict between these plans and standards, the higher quality standard as determined by the engineer shall apply. All work shall be inspected and approved by contractor.
- All work and materials shall be subject to inspection and approval by the owner or the owner's representative. Any change or deviation from these plans must be authorized in writing by the owner or the owner's representative prior to work being completed.

• All construction shall follow the City of Lee's Summit Design & Construction Manual.

- Lineal foot measurements shown on the plans are horizontal measurements, not slope measurements. All payments shall be made on horizontal measurements.
- No aeological information is shown in these plans.
- Prior to commencement of work, the contractor shall notify all utility companies which have facilities in the near vicinity of the construction to be performed.
- All waste material resulting from the project shall be disposed of off—site in an approved landfill. All excavation shall be unclassified. No separate payment will be made for rock excavation. Contractor is responsible for all haul off
- The Contractor shall be required to provide a stabilized construction entrance to prevent mud from being deposited onto adjacent roads.
- All mud, dirt, and debris tracked onto the parking lot or any roadway shall be removed immediately by the contractor.
- The Contractor shall be responsible for keeping the public streets in the vicinity of the job site clean and free of rocks, soil and debris. Streets and/or parking areas will be scraped and swept on a daily basis by the general
- The Contractor shall protect from damage all survey monuments, property markers, benchmarks, etc. Items damaged shall be reset by a professional land surveyor licensed in the state of Missouri, at the contractor's expense.
- Paving shall conform to the minimum design standards as required by the city and these drawings. If a geotechnical report is provided for the project, the greater pavement requirement between the city's minimum design standards and the aeotechnical report shall be used.



lack lack lack lack lack The contractor shall contact the City's Development Services Engineering Inspection to schedule a pre-construction meeting with a field engineering inspector prior to any land disturbance work at (816) 969-1200.

- All concrete for public improvements shall comply with the city standards and specifications. If no city standards and specifications are provided, then the contractor shall comply with the standards and specifications of the Kansas City Metropolitan Materials Board (KCMMB) unless otherwise noted. Structural concrete shall be 5,000 psi and nonstructural concrete shall be 4,000 psi.
- The contractor shall be responsible for the restoration of the right-of-way and for damaged improvements such as curbs, sidewalks, street light and traffic signal junction boxes, traffic signal loop lead—ins, signal poles, etc (offsite and onsite). Damaged improvements shall be repaired in conformance with the latest city standards and to the city's satisfaction.
- All work within the road right-of-way shall conform to the technical specifications and design criteria for public improvement projects of the city of Lee's Summit, MIssouri A right—of—way work permit and/or street excavations permit shall be obtained by the contractor if required to complete all work within the public right—of—way.
- All traffic control in connection with construction in the right—of—way shall be in conformance with the Manual of Uniform Traffic Control Devices and/or the jurisdictional authority. It is the contractor's responsibility to obtain a traffic control permit if required.
- All waste materials, trash and construction debris shall be collected and stored in dumpsters. No construction waste shall be buried on site. All hazardous waste materials will be disposed of in the manner specified by local, state and federal regulations. Site personnel shall be instructed in these practices, and the construction manager shall be responsible for seeing that these practices are followed.
- Recommendations made by the geotechnical engineer, to be retained by the owner, and contained in the geotechnical report shall govern project conditions unless noted otherwise. Paving shall conform to the the greater pavement requirement between the city's minimum design standards and the recommendations made in the geotechnical report.
- The Contractor shall grade areas to provide positive drainage.
- The contractor shall be responsible for the coordination of work between suppliers and subcontractors involved in the project, including staging of construction details.
- All disturbed areas shall be maintained for dust control. Sprinkling tank trucks shall be available at all times & used on on—site disturbed areas, and other areas where dust becomes a problem as a result of construction activity.
- Nothing indicated on these drawings shall relieve the contractor from complying with appropriate safety regulations.

Utility Notes:

- Boundary information, existing utilities and topographic features shown are based on information supplied by owner, surveyor, and others.
- The existing utility locations shown on these plans are approximate and may not include all utility lines present. The contractor shall be responsible to contract "One Call" and coordinate field location of all existing underground utilities prior to beginning excavation/construction activities.
- The contractor shall be responsible for any damage to any utilities or their structures during excavation/construction activities. Utilities include but are not limited to a service such as electricity, communication, water, public transportation (including traffic signals), storm systems, and items provided by a public utility.
- The contractor shall coordinate and be responsible for connection fees, system development fees, taxes, etc. for all main connections and/or extensions with and from the city and/or respective utility unless otherwise coordinated with the Owner. All utility services for this project shall be coordinated with respective utility company by contractor.
- The contractor shall be responsible for adjusting all at-grade utilities such as manhole covers, valve box covers, etc. to finish grade, whether specifically indicated in these plans or not.
- Utilities shown on the plan with specific elevations and/or structure locations are SUE quality level "B", ie: storm sewer, sanitary sewer, water hydrants & valves, utility poles, etc. All other existing utility information shown is SUE quality level "D", primarily retracement of one—call and city records.
- Refer to mechanical, electrical, and plumbing (MEP) plans for utility service sizes and exact locations. Refer to site electric plans for electric construction details.
- Provide temporary support for existing utility lines that are encountered during construction until backfilling is complete.
- Backfill all utility trenches according to the most recent edition of the jurisdictional standards.
- All utilities shall be brought within 5' of the building to connect to plumbing contractors work unless otherwise specified.
- The Contractor shall adjust all utility fixtures, manholes and inlets to finished grade as required.
- The Contractor shall maintain 18" minimum vertical clearance between storm sewer and sanitary sewer pipes and 18" minimum vertical clearance between sanitary sewer and water main unless otherwise specified.
- Contractor shall prevent entry of mud, dirt, debris, and other material into new and existing storm sewer systems. Should any contamination occur during construction, the contractor shall clean at contractor's expense. Upon completition of all storm sewer improvements, all new and existing pipe and structures shall be cleaned out.
- Electrical, liahtina, and data conduit layout shown is for graphical purposes only. See MEP plans for more detail.

• The Contractor shall provide all temporary power, process, and utility service bypasses and connections as required.

Erosion Control Notes:

- The construction of the sediment basin, installation of the silt fencing, the maintenance of the drainage swales, and the construction of the stabilized entrance shall be completed first, prior to any clearing and grading of any portions of the site. The Disturbed portions of the site where construction activities have permanently ceased shall be stabilized with permanent seeding no later than 14 days after the last construction activity, refer to SWPPP. Roadway swales shall be stabilized with Erosion Control Devices. Once construction activity ceases permanently in an area, that area shall be stabilized with permanent seed and mulch. Only after the entire site has been stabilized, the silt fencing shall be removed.
- The general contractor, or designated Erosion Control Contractor, shall be responsible for construction and maintenance of erosion control devices and practices. The contractor shall be responsible for implementation of, and ensuring compliance of, the project Storm Water Pollution Prevention Plan (SWPPP), a copy of which shall be obtained from the Design Engineer. The SWPPP shall be maintained on site per NPDES requirements and shall be available for review at any time, by any authorized Federal. State, or local review official, as well as the Desian Engineer. The general contractor, or designated Erosion Control Contractor, shall also be responsible for ensuring compliance with, and paying any fees associated with, the State of Missouri General Permit for Stormwater Runoff associated with construction activities, a copy of which shall be maintained in the aforementioned SWPPP.
- This project shall be constructed in compliance with the land disturbance permit, and conform to the standards and specifications of the city of Lee's Summit, MIssouri, prior to any land disturbance changes.
- Erosion and any sedimentation from work on this site shall be contained on the site and not allowed to collect on any offsite areas or in waterways. Waterways include both natural and man-made open ditches, streams, storm drains, lakes and ponds. Refer to erosion control plans for more information.
- The contractor shall be responsible to control downstream erosion and siltation during all phases of construction. Erosion Control work and procedures shall be in place prior to beginning excavation/construction activities. To ensure progressive stabilization of disturbed earth, Erosion control devices shall be staged, installed and maintained throughout land disturbance activities as directed in the drawings, project manual and in accordance with all federal, state and local standards until the site is stabilized.
- The contractor shall implement and maintain Erosion Control Devices as shown in the drawings and project manual before, and at all times during the construction of this project. Any modifications to the devices due to construction or changed conditions shall be complied with as required or as directed by the city of Lee's Summit, MIssouri.
- The contractor shall be responsible for installation and maintenance of all Erosion Control Devices. This includes providing berms, silt fence, or other means to prevent erosion from reaching the right of way and offsite boundaries. In the event the prevention measures are not effective, the contractor shall remove any debris and erosion, restoring the right of way to original or better condition.
- Contractor is to provide erosion protection for all storm sewer inlets.
- If any of the Erosion Control Devices on the site are deemed inadequate or ineffective, the city of Lee's Summit, MIssouri has the right to require additional Erosion Control measures at the expense of the general contractor.
- If any pump-driven dewatering is needed, it shall be discharged though a filter bag over a well-vegetated area. The pump must discharge at a non-erosive velocity. If necessary, an approved energy dissipater may be used.
- Permanent BMP's for any disturbed land area shall be completed by the general contractor within 5 calendar days after final grading or the final earth change has been completed. When it is not possible to permanently stabilize a disturbed area after land disturbance activity ceases, temporary Erosion control devices shall be implemented immediately. All temporary Erosion Control Devices shall be maintained until permanent BMP devices are implemented. All permanent BMP's will be implemented and established before a certificate of compliance is
- Strip topsoil only from those areas that will be disturbed by excavation, filling, road building, or compaction by equipment. Refer to the geotechnical report for depths of stripping. Put sediment basins, diversions, and other controls into place before stripping.
- When topsoiling, maintain needed erosion control practices such as diversions, grade stabilization structures, berm, dikes, level spreaders, waterways and sediment basins.
- Grades on the areas to be topsoiled which have been previously established shall be maintained.
- Bonding Immediately prior to dumping and spreading of topsoil, loosen the subgrade by discing or scarifying to a depth of at least 4", to permit bonding of the topsoil and subsoil.
- The general contractor shall inspect the Erosion Control Devices once every 14 days under any circumstances, within 24 hours of rainfall, and daily during a prolonged rain event unless otherwise noted in the SWPPP or by the jurisdictional authority. A log of inspection report shall be maintained and accessible in accordance with National Pollution Discharge Elimination System (NPDES) requirements. Any required maintenance shall be provided within 72 hours.
- Install silt fence, inlet filters, and other Erosion Control Devices as indicated in the drawings, per APWA and authority regulations, and at additional affected areas as necessary. Build-up of sediment shall be removed promptly per authorities regulations. If silt fence decomposes or becomes ineffective prior to the end of expected usable life and the barrier is still required, the silt fence shall be replaced promptly. Sediment shall be removed from sediment traps or basins when design capacity has been reduced to 50%. Contractor shall flare the ends of the silt fence uphill in order to temporarily impound runoff.
- Earthen berms shall be regularly inspected, and inspected after each rainfall event. Repairs to earthen berms shall be made immediately. If the earthen berm shows signs of erosion, and it is determined that material must be added to fix the berm, the material shall be properly placed, compacted and reseeded. The berm shall be reseeded and stabilized, as needed, to maintain its soundness whether or not there has been any rainfall.
- Drainage swales shall be inspected regularly and after every rainfall event. Repairs to drainage swales shall be made immediately. If the flow channel and/or outlets show signs of deficiency, the damaged area(s) shall be restabilized and reseeded, as needed, to prevent further damage. If additional measures are needed to eliminate issues, contractor shall notify the engineer for possible modifications.
- Refer to the jurisdictional authority for temporary gravel construction entrance details. If not specified, refer to APWA standards. The entrance and exit areas of the project shall be cleared of all vegetation, roots, and other objectionable material. The gravel shall be placed to the proper dimensions and graded to a smooth and even slope. Construction entrance drainage shall be provided to carry water to a sediment trap or other suitable outlet.

Stockpiling Notes:

- Select stockpile location to avoid slopes and natural drainageways, avoiding traffic routes. On large sites, re-spreading is easier and more economical where topsoil is stockpiled in small piles located near areas where they will be used.
- Sediment Barriers Use sediment fences or other barriers where necessary to retain sediment.
- Temporary Seeding Protect topsoil stockpiles by temporarily seeding as soon as possible, not to exceed 14 days, weather permitting, after the formation of the stockpile.
- Permanent Vegetation If stockpiles will not be used within 12 months, they must be stabilized with permanent vegetation to control erosion and weed growth.
- All stockpiled soils shall be maintained in such a way as to prevent erosion from leaving the site. Silt fence must be installed around the perimeter of the stockpile.

Seeding Notes:

operations.

for proper installation.

Verification Forms, SWPPP Etc.

Demolition Notes:

respective utility.

shown on the plans.

existing fill.

Retaining Wall Notes:

spot elevations.

hours prior to placement of structural fill.

demolition, should hazardous materials be encountered.

shall be undercut and replaced with structural fill.

specified by local, state and federal regulations.

any interactions with the proposed improvements.

are provided on the site grading plan.

or oats at 100lbs. per acre.

seeding. Apply the mixture at 2lbs. per 1000ft²

re—seedings within the same season, if possible.

Seeding shall be as follows unless otherwise stated in the landscape plans.

more than 1" deep, and grasses and legumes no more than $\frac{1}{2}$ ".

• Annual rye grass, wheat, or oats should be used for temporary seeding. Apply rye grass at 120lbs. per acre, wheat

• A mixture of 65% kentucky bluegrass and 35% chewing fescue or creeping red fescue should be used for permanent

complete grading according to the approved plan. Lime and fertilizer needs should be determined by soil test. Apply

seasons when satisfactory growing conditions exist. The planting operations shall not be performed during times of

• Seed should be labeled in accordance with U.S. Department of Agriculture rules and regulations under the federal seed

act and comply with the requirements of the Missouri seed law. Labels contain important information on seed purity,

• Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder, or hydroseeder. Small grains should be planted no

• Generally, a permanent stand of vegetation cannot be determined to be fully established until soil cover has been

The Contractor shall seed all disturbed areas unless otherwise noted by landscape plans. Immediately after seeding,

• The Contractor shall sod all disturbed areas within the public street right-of-way. Refer to city and state standards

At the site, the Contractor shall maintain the required documents for immediate review, included but not limited

• The Contractor shall notify all utility companies for field verification and disconnection of utilities prior to any

but not limited to: water lines, power, telephone, cable, storm sewer, sanitary sewer with the city and/or

to: Site Safety Plan, Demolition Permits, Street Closure Permits, Contract Documents, Demolition Plans, Salvage

work. Coordination is required for both temporary and permanent utility services that serve the site including,

• The Contractor is specifically cautioned that the locations and/or elevation of existing utilities as shown on these

plans are based on records of the various utility companies, and where possible, measurements taken in the

information service for utility locates. The Contractor must call the appropriate utility companies at least 72

responsibility of the Contractor to relocate all existing utilities which conflict with the proposed improvements

• Remaining building structures and remaining utility services shall be protected from damage. Damage to any

• Areas disturbed during demolition shall be thoroughly evaluated by the geotechnical engineer responsible for site

preparation prior to placement of structural fill. All disturbed soils shall be undercut prior to placement of

• Excavations created by the removal of any existing utility lines that extend below design grades shall be cut

thoroughly evaluated by the geotechnical engineer prior to placement of fill. If existing utilities are to be left

in-place, existing trench backfill shall be evaluated in accordance with the recommendations of evaluation of

• The Contractor shall be responsible for obtaining all Federal, State, and local permits, obtaining all inspections,

and shall conform to all governing codes and regulations required to perform necessary abatement during

• Contractor is responsible for legally disposing of all materials and associated cost of interim storage facilities.

• For tree & stump removal, the Contractor shall remove all root systems from the site not designated to be

saved. Materials disturbed during removal of stumps shall be undercut and replaced with structural fill. A zone

• No construction waste shall be buried on site. All hazardous waste materials will be disposed of in the manner

• Site retaining wall improvements shall be designed by a licensed professional engineer retained by the contractor.

• Retaining wall design drawings and specifications shall be provided to the owner and owner's representative for

• Refer to Retaining Wall drawings for wall information. Civil plan set shall only be used for general location and

• The Contractor is responsible for coordinating all inspections, certifications, permits, fees and close out of the

• Any wall shown is a schematic representation of the proposed walls. The spot elevations denoting retaining walls

include in construction cost for all of the above items related to the installation of the retaining wall.

wall unless otherwise determined. Contractor shall notify wall design engineer for final inspection. Contractor shall

licensed in the state of Missouri. Design services shall be included in retaining wall pricing.

The wall engineer and contractor shall satisfy themselves of the conditions of the surrounding site features and

review and approval. All retaining wall designs shall be signed and sealed by a registered Professional Engineer

of desiccated soils may exist in the vicinity of the trees. The desiccated soils have a higher swell potential and

structural fill, per the geotechnical recommendations. Contractor shall notify the geotechnical engineer at least 72

allow access for utility companies to perform any disconnection or relocation activities. It shall be the

existing features to remain will be replaced at the Contractor's expense.

field. The information is not to be relied on as being exact or complete. Contractor shall contact One Call utility

hours before any excavation to request exact field location of utilities. The Contractor shall also coordinate and

mulch all seeded areas with unweathered small grain straw, spread uniformly at the rate of 1-2 tons per acre or

100lbs (2-3) bales) per 1000ft². The mulch should be anchored with disc type mulch anchoring tool or other means

maintained for one full year from planting. Inspect seeded areas for failure and make necessary repairs and

approved by owner's representative. The contractor assumes full and complete responsibility for all such plantings and

extreme drought, when ground is frozen or during times of other unfavorable climatic conditions unless otherwise

• Seedbed preparation—Install necessary mechanical erosion and sedimentation control practices before seeding, and

the lime and fertilizer evenly and incorporate into the top 4"-6" of soil by discing or other suitable means.

germination, and presence of weeds. Weed seed should not exceed 1.0% by weight of the mixture.

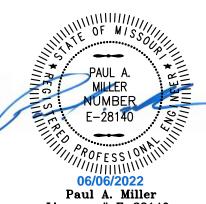
as approved by the jurisdictional authority. Mulch matting may be used in lieu of loose mulch.

All seeding shall be performed during favorable weather conditions and only during normal and accepted planting



4301 Indian Creek Parkway Overland Park, KS 66207 phone: 913.451.9390 fex: 913.451.9391 www.devidsonee.com

> Davidson Architecture & Engineering, LLC



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revisions 05.09.2022

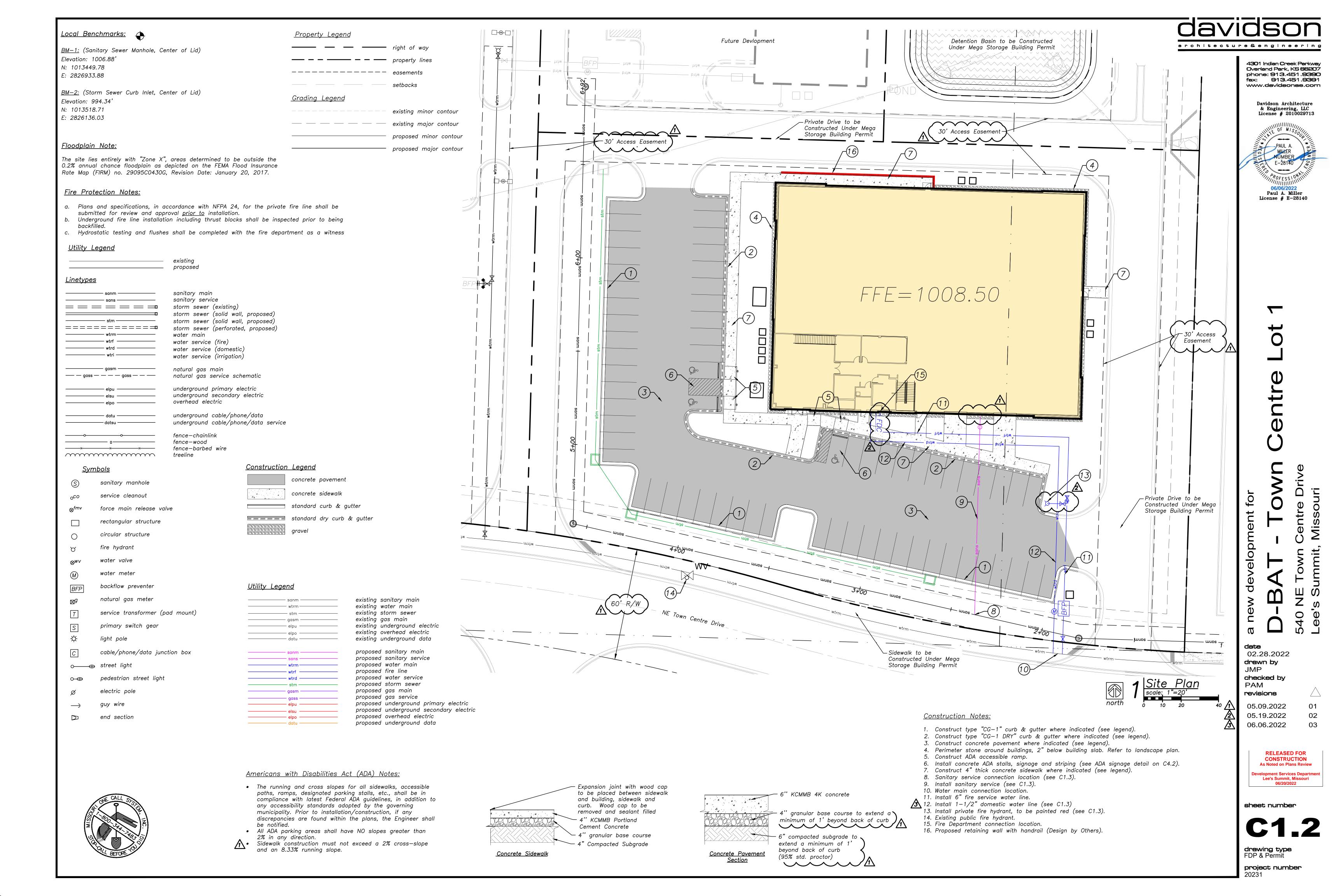
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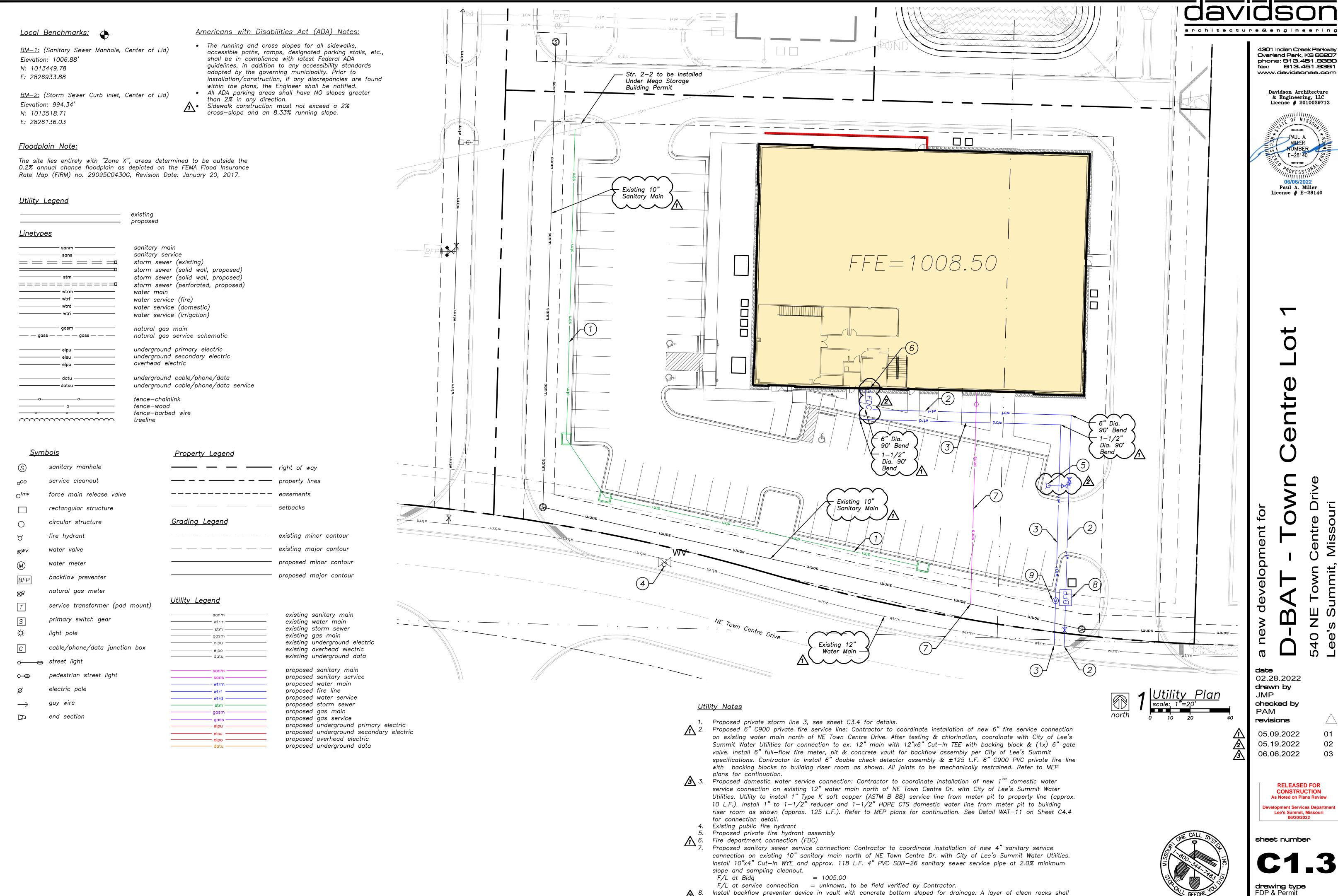
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sheet number

drawing type FDP & Permit project number

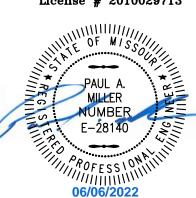
• If the wall is greater than 30" and is in an accessible area, guard rails are required per code.





be placed below the sump to promote infiltration for drainage (See detail WAT-12 on sheet C4.4). 9. Install 1" water meter as shown in meter pit with gravel bottom for drainage (see detail on sheet C4.4). 4301 Indian Creek Parkway Overland Park, KS 66207 phone: 813.451.8390 fax: 913.451.9391 www.devidsonee.com

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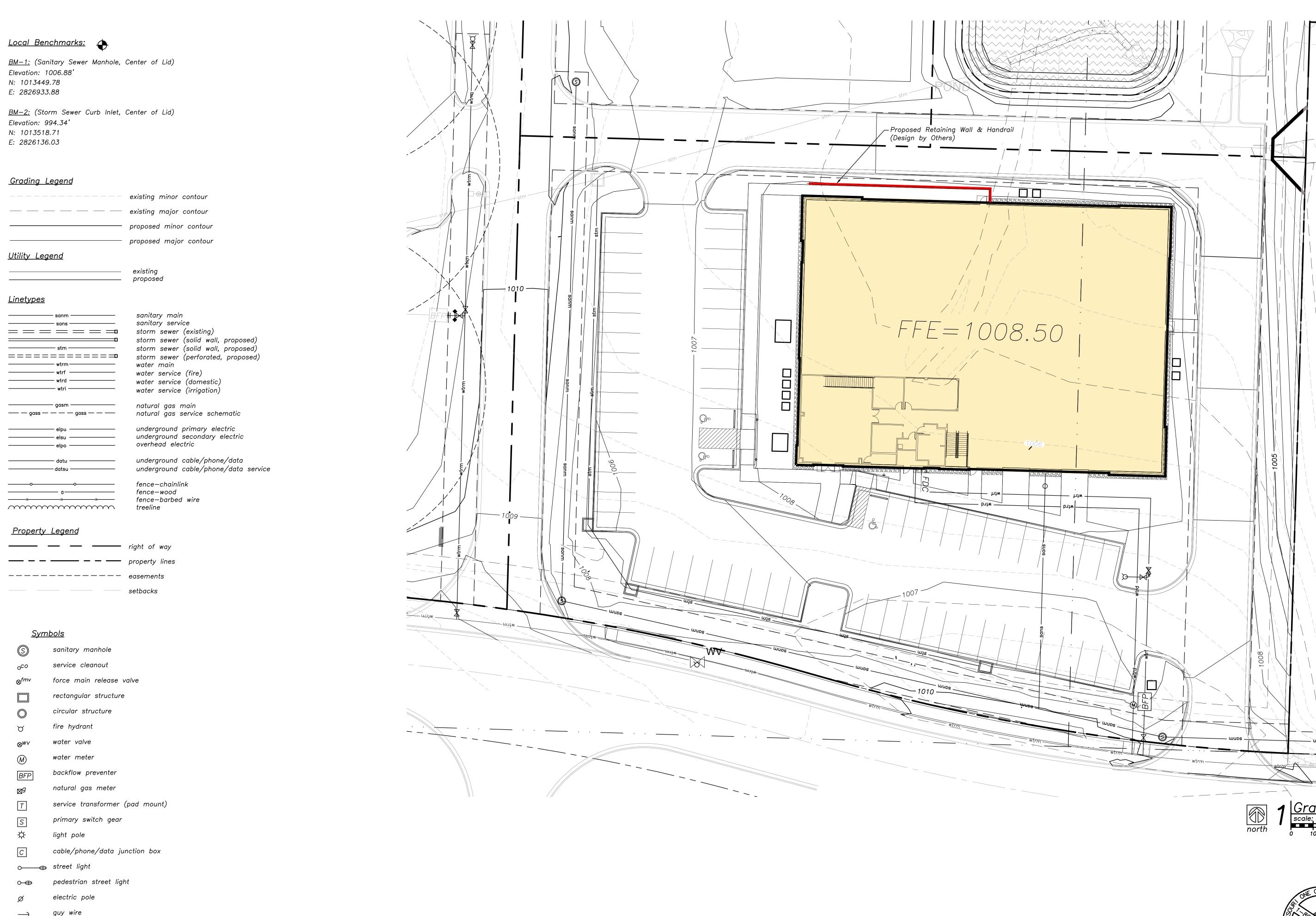
02

CONSTRUCTION As Noted on Plans Review

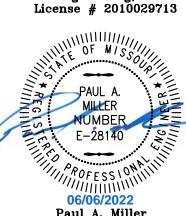
Lee's Summit, Missouri 06/20/2022

sheet number

drewing type FDP & Permit



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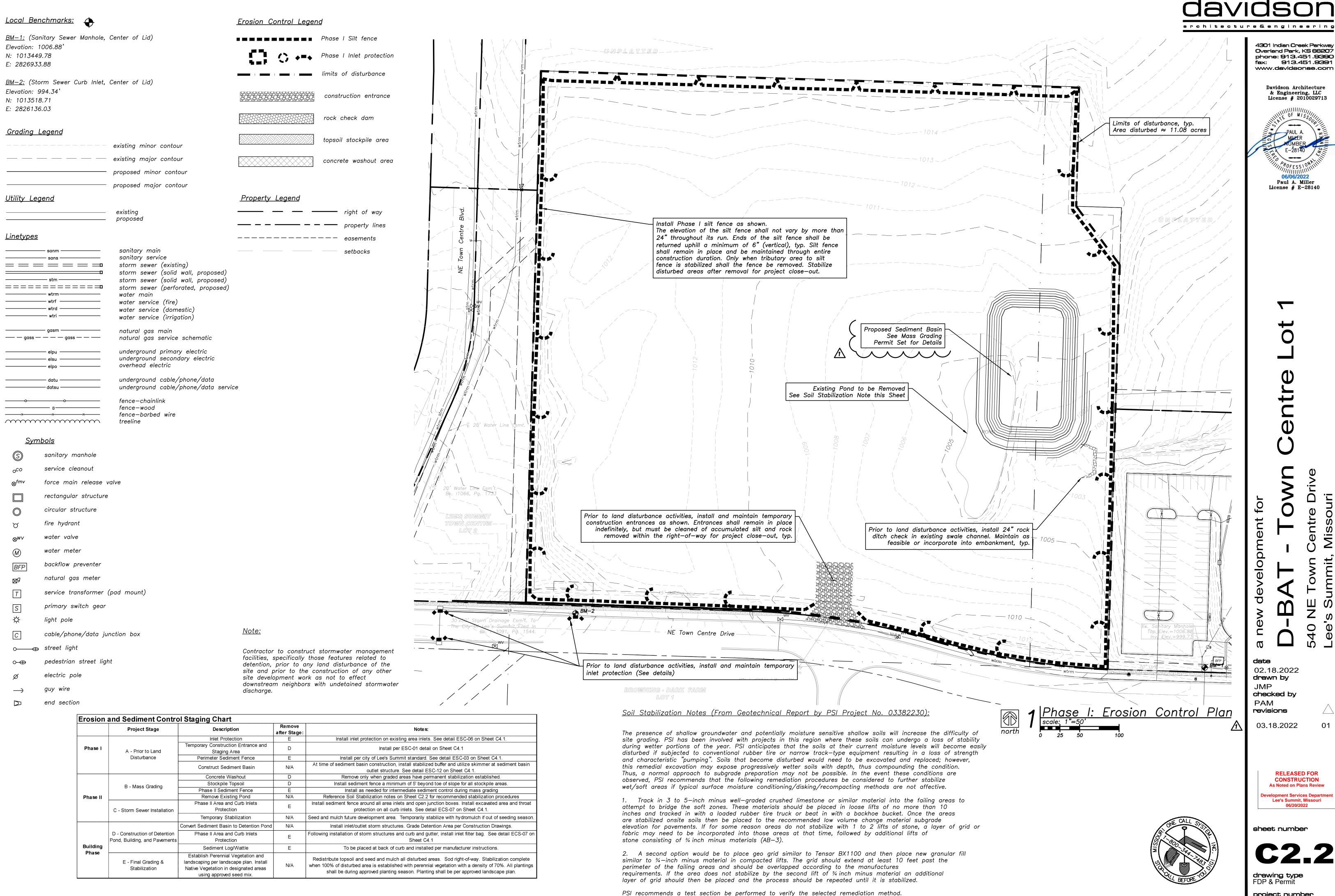
Paul A. Miller License # E-28140

date 02.18.2022 drawn by JMP checked by PAM

revisions



sheet number



architecture&engineering

4301 Indian Creek Parkway Overland Park, KS 66207 phone: 913.451.9390 fex: 913.451.9391

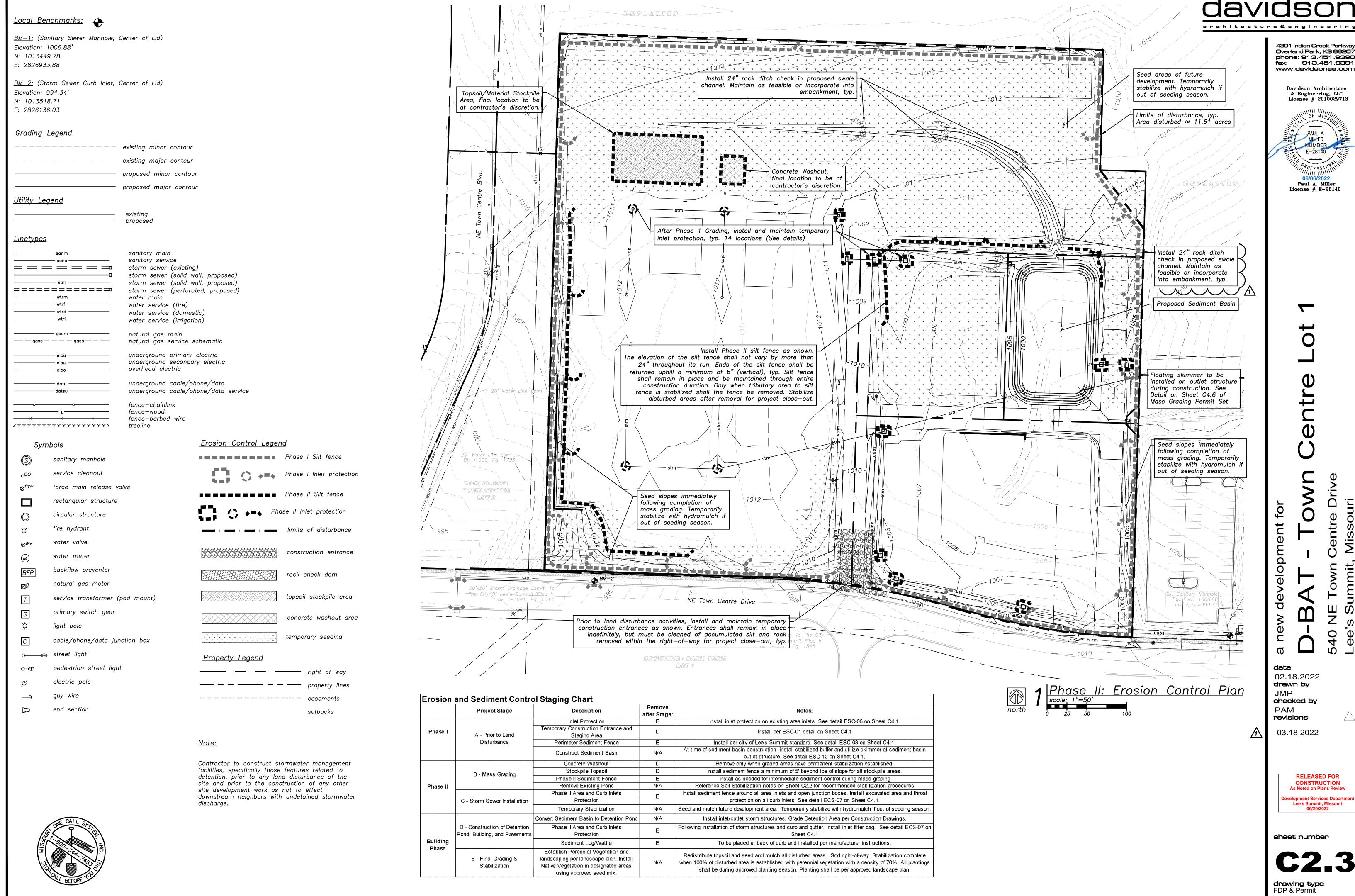
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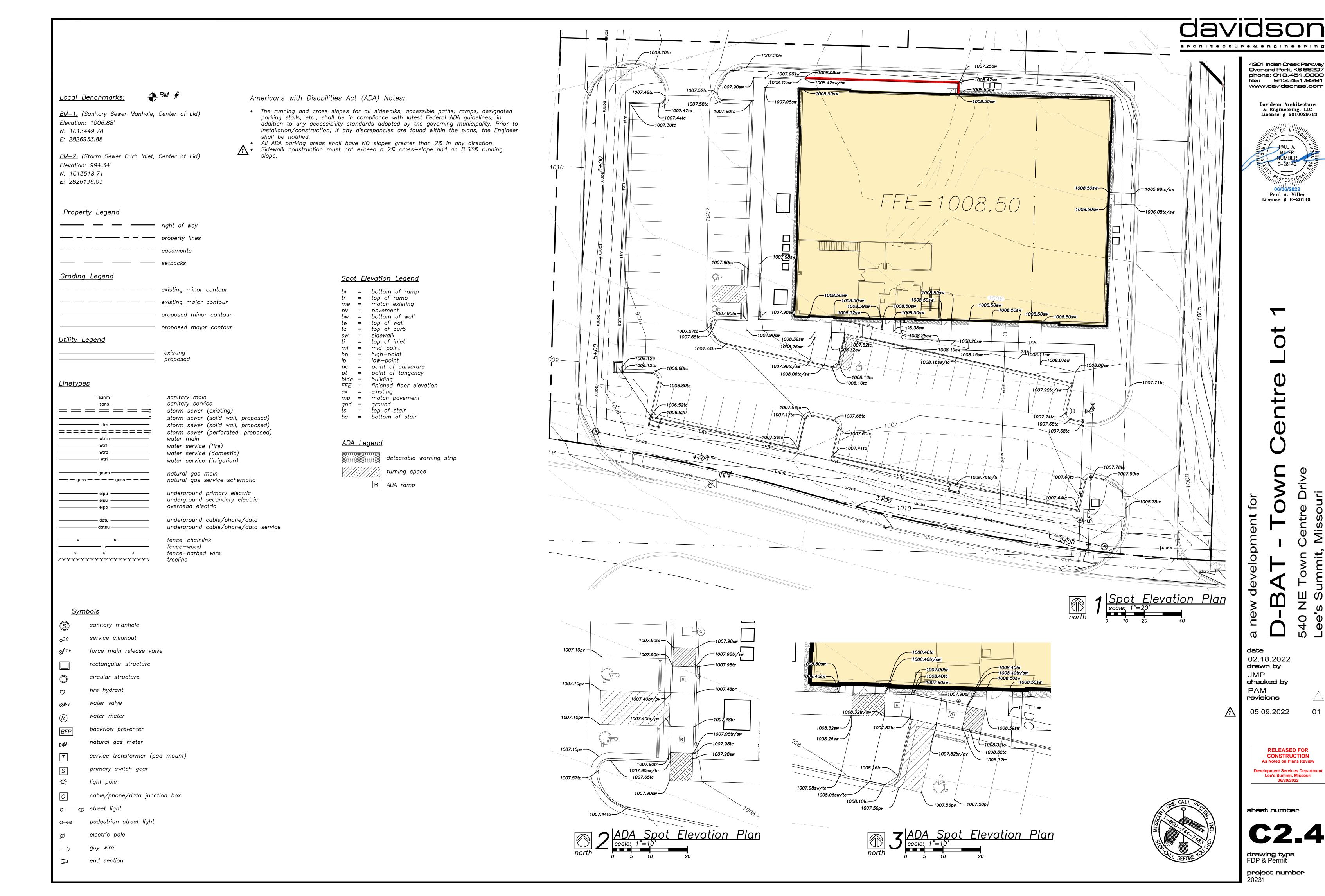
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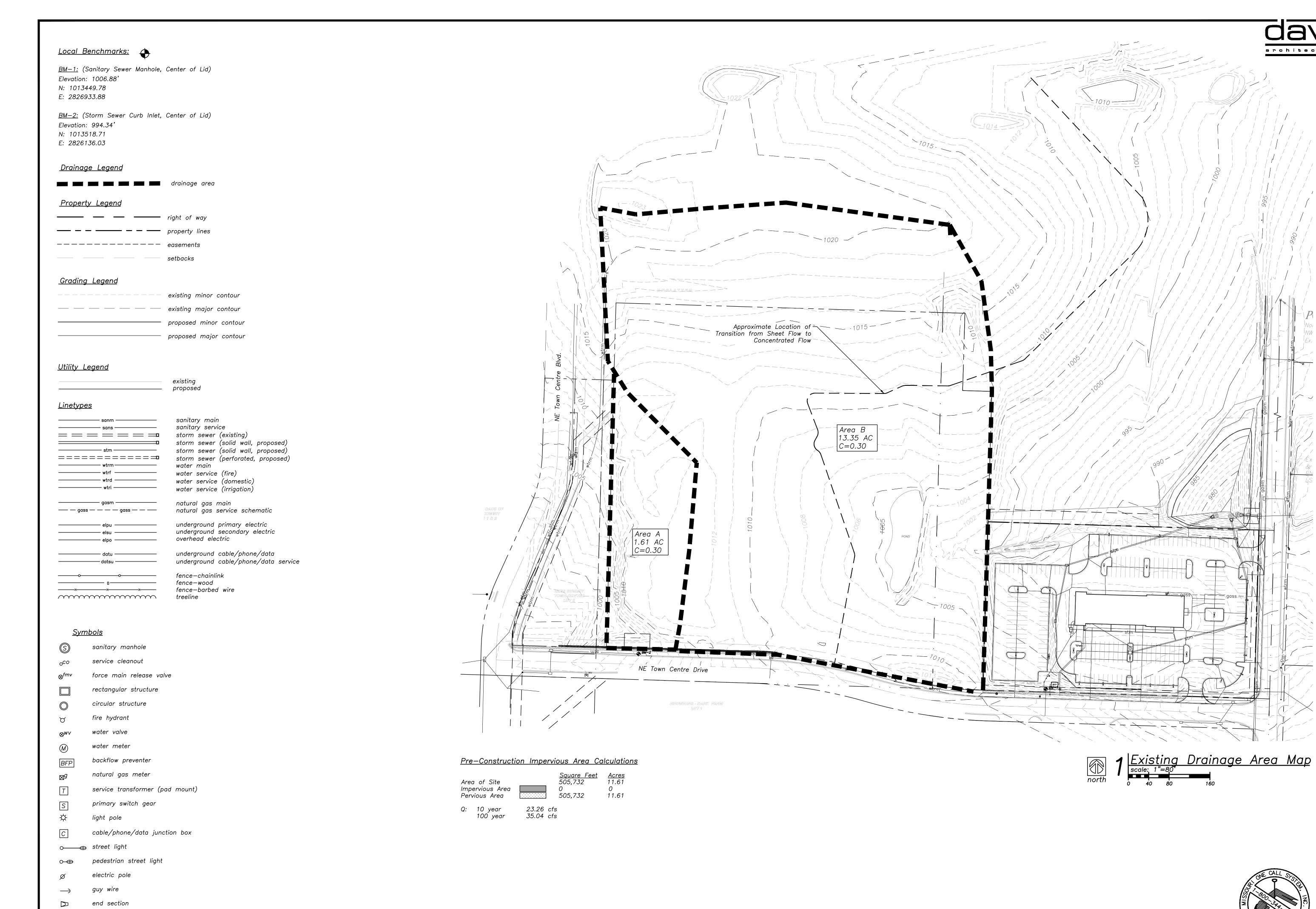
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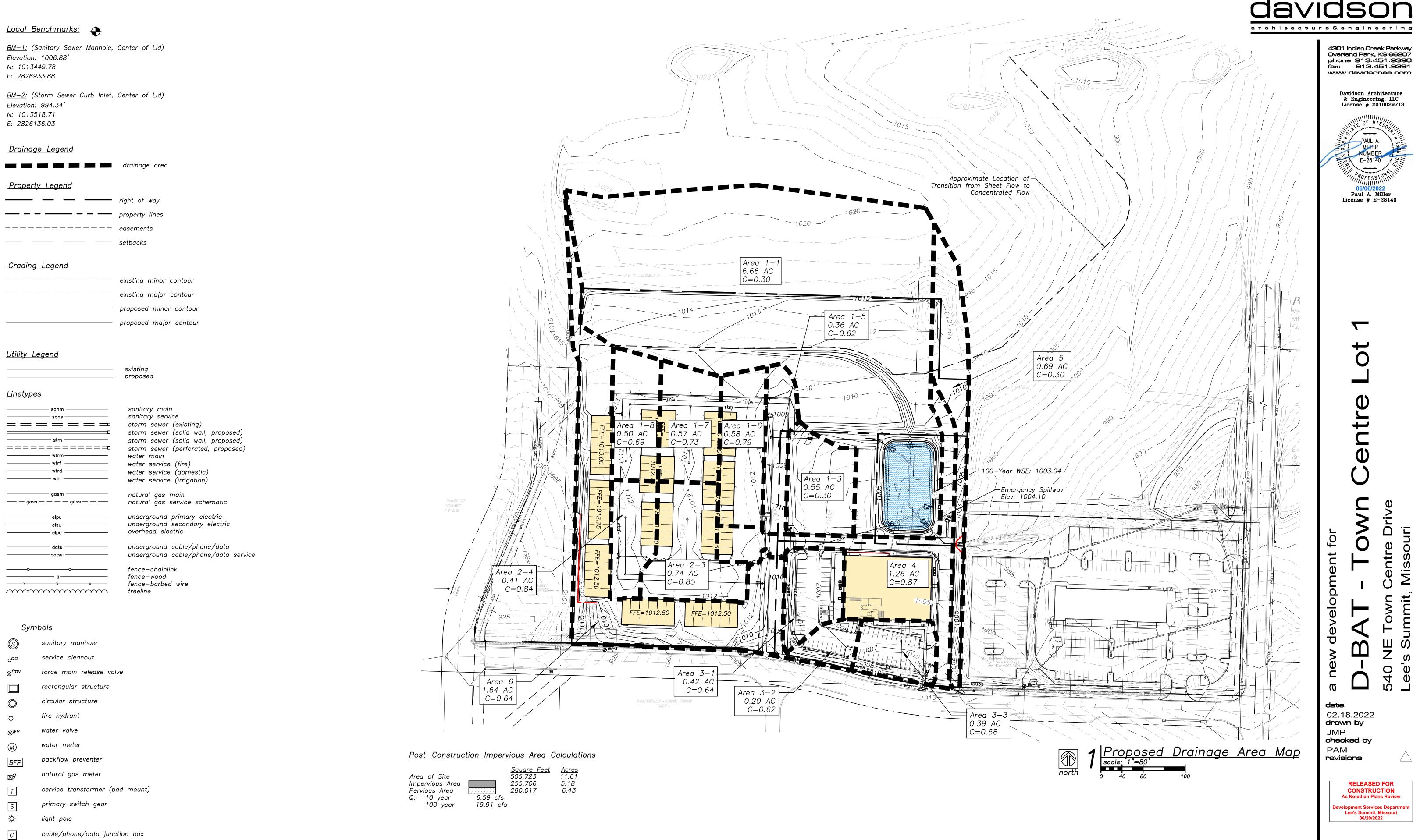
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guy wire

end section

C3.2

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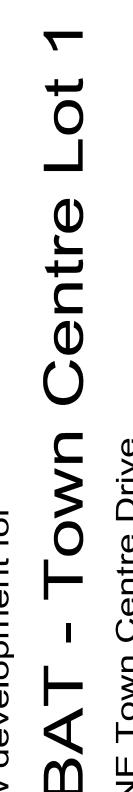
Γ	LineNo.	InletID	LineID	DrainageArea	RunoffCoeff	TotalRunoff	CapacityFull	DepthDn	DepthUp	CriticalDepth	EGLDn	EGLUp	HGLDn	HGLUp	InvertDn	InvertUp	LineLength	LineSlope	TotalArea	TotalCxA	VelAve	FlowRate
				(ac)	(C)	(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(%)	(ac)		(ft/s)	(cfs)
	1	1-2	1-2 to 1-1	0	0	7.26	17.24	1.14	0.96**	0.96	1002.52	1002.45	1002.15	1002.08	1001.01	1001.12	22.228	0.49	2.56	1.61	4.41	7.26
	2	1-3	1-3 to 1-2	0.55	0.3	7.41	17.4	0.91	0.97**	0.97	1002.61	1003.32	1002.23	1002.95	1001.32	1001.98	130.857	0.5	2.56	1.61	5.12	7.41
\triangle	3	1-4	1-4 to 1-5	0	0	6.7	22.06	0.77	0.92**	0.92	1003.3	1003.77	1002.95	1003.42	1002.18	1002.5	39.492	0.81	2.01	1.44	5.41	6.7
	4	1-5	1-5 to 1-4	0.36	0.62	6.74	22.23	0.76	0.92**	0.92	1003.8	1004.24	1003.45	1003.89	1002.69	1002.97	34.004	0.82	2.01	1.44	5.49	6.74
\triangle	5	1-6	1-6 to 1-5	0.58	0.79	5.76	22.57	0.69	0.85**	0.85	1004.47	1005.11	1004.15	1004.79	1003.46	1003.94	56.578	0.85	1.65	1.22	5.28	5.76
	6	1-7	1-7 to 1-6	0	0	3.7	11.16	0.59	0.73**	0.73	1005.31	1006.84	1005.03	1006.55	1004.43	1005.82	144.508	0.96	1.07	0.76	4.98	3.7
	7	1-8	1-8 to 1-7	0	0	1.76	10.06	0.53	0.50**	0.5	1006.74	1007.6	1006.55	1007.42 j	1006.02	1006.92	114.98	0.78	0.5	0.35	3.27	1.76
	8	8-1	8-1 to 1-8	0.5	0.69	1.8	2.7	0.6	0.6	0.57	1008.23	1008.76	1008.02	1008.55	1007.42	1007.95	108.116	0.49	0.5	0.35	3.68	1.8
	9	9-1	9-1 to 1-7	0.57	0.73	2.17	3.68	0.55	0.63**	0.63	1007.34	1008.4	1007.07	1008.13	1006.52	1007.5	107.912	0.91	0.57	0.42	4.52	2.17
2\	10	2-2	2-2 to 2-1	0	0	7.64	7.19	1.27	1.32	1.07	1002.63	1003.38	1002.27	1003.04	1001	1001.72	180.275	0.4	2.16	1.63	4.71	7.64
	11	2-3	2-3 to 2-2	0	0	4.8	7.89	1.25	0.89**	0.89	1003.65	1006	1003.42	1005.59 j	1001.97	1004.7	214.634	1.27	1.15	0.97	4.53	4.8
	12	2-4	2-4 to 2-3	0	0	1.76	8.25	0.64	0.53**	0.53	1005.79	1007.28	1005.59	1007.08 j	1004.95	1006.55	114.996	1.39	0.41	0.34	3.19	1.76
	13	10-1	10-1 to 2-4	0.41	0.84	1.79	2.73	0.59	0.59	0.57	1007.61	1008.15	1007.39	1007.93	1006.8	1007.34	108.098	0.5	0.41	0.34	3.71	1.79
	14	11-1	11-1 to 2-3	0.74	0.85	3.28	5.45	0.56	0.77**	0.77	1006.15	1008.53	1005.76	1008.13	1005.2	1007.36	108.051	2	0.74	0.63	6.14	3.28
2\	15	3-1	3-1 to 2-2	0.42	0.64	3.19	8.05	1.39	0.68**	0.68	1003.63	1003.69	1003.36	1003.43 j	1001.97	1002.75	155.694	0.5	1.01	0.66	2.98	3.19
2\	16	3-2	3-2 to 3-1	0.2	0.62	1.9	4.86	0.54	0.55**	0.55	1003.75	1003.93	1003.54	1003.72	1003	1003.17	35.163	0.48	0.59	0.39	3.7	1.9
2	17	3-3	3-3 to 3-2	0.39	0.68	1.38	4.92	0.45	0.46**	0.46	1004	1004.82	1003.82	1004.64	1003.37	1004.18	163.499	0.5	0.39	0.27	3.39	1.38
	18	4-2	4-2 to 4-1	0	0	5.69	4.7	0.97	1.1	0.97	1001.83	1001.94	1001.35	1001.55	1000.38	1000.45	15.493	0.45	1.26	1.1	5.28	5.69
	19	4-3	4-3 to 4-2	1.26	0.87	5.71	4.95	1.25	1.25	0.97	1002.24	1002.45	1001.9	1002.11	1000.65	1000.81	32.013	0.5	1.26	1.1	4.65	5.71
,	20	7-2	7-2 to 7-1	0	0	0	15.13	2	2	0.16					999.74	999.82	20.988	0.38	0	0	0.07	0.21
\triangle	21	7-3	7-3 to 7-2	0	0	0	15.46	2	2	0.16	1002.85	1002.85	1002.85	1002.85	999.82	1000	45.234	0.4	0	0	0.07	0.21

10—Year Storm Calculations

	LineNo.	InletID	LineID	DrainageArea	RunoffCoeff	TotalRunoff	apacityFu	DepthDn	DepthUp	CriticalDepth	EGLDn	EGLUp	HGLDn	HGLUp	InvertDn	InvertUp	LineLength	LineSlope	TotalArea	TotalCxA	VelAve	FlowRate
				(ac)	(C)	(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(%)	(ac)		(ft/s)	(cfs)
	1	1-2	1-2 to 1-1	0	0	10.66	17.24	1.14	1.17**	1.17	1002.64	1002.78	1002.15	1002.29	1001.01	1001.12	22.228	0.49	2.56	1.61	5.68	10.66
	2	1-3	1-3 to 1-2	0.55	0.3	10.81	17.4	1.14	1.18**	1.18	1002.95	1003.65	1002.46	1003.16	1001.32	1001.98	130.857	0.5	2.56	1.61	5.73	10.81
Λ	3	1-4	1-4 to 1-5	0	0	9.75	22.06	0.98	1.12**	1.12	1003.61	1004.07	1003.16	1003.62	1002.18	1002.5	39.492	0.81	2.01	1.44	5.9	9.75
Λ	4	1-5	1-5 to 1-4	0.36	0.62	9.79	22.23	0.93	1.12**	1.12	1004.08	1004.55	1003.62	1004.09	1002.69	1002.97	34.004	0.82	2.01	1.44	6.13	9.79
\triangle	5	1-6	1-6 to 1-5	0.58	0.79	8.34	22.57	0.84	1.03**	1.03	1004.71	1005.38	1004.3	1004.97	1003.46	1003.94	56.578	0.85	1.65	1.22	5.88	8.34
	6	1-7	1-7 to 1-6	0	0	5.3	11.16	0.73	0.89**	0.89	1005.53	1007.08	1005.16	1006.71	1004.43	1005.82	144.508	0.96	1.07	0.76	5.56	5.3
	7	1-8	1-8 to 1-7	0	0	2.48	10.06	0.69	0.60**	0.6	1006.93	1007.74	1006.71	1007.52 j	1006.02	1006.92	114.98	0.78	0.5	0.35	3.47	2.48
	8	8-1	8-1 to 1-8	0.5	0.69	2.52	2.7	0.77	0.76	0.68	1008.42	1008.95	1008.19	1008.71	1007.42	1007.95	108.116	0.49	0.5	0.35	3.91	2.52
	9	9-1	9-1 to 1-7	0.57	0.73	3.04	3.68	0.69	0.75**	0.75	1007.58	1008.61	1007.21	1008.25	1006.52	1007.5	107.912	0.91	0.57	0.42	5.03	3.04
<u> </u>	10	2-2	2-2 to 2-1	0	0	11.1	7.19	1.27	1.5	1.27	1003.02	1004.69	1002.27	1004.08	1001	1001.72	180.275	0.4	2.16	1.63	6.61	11.1
	11	2-3	2-3 to 2-2	0	0	6.85	7.89	1.25	1.25	1.05	1005.23	1007.29	1004.75	1006.8	1001.97	1004.7	214.634	1.27	1.15	0.97	5.58	6.85
	12	2-4	2-4 to 2-3	0	0	2.48	8.25	1.25	0.86	0.63	1007.35	1007.53	1007.29	1007.41	1004.95	1006.55	114.996	1.39	0.41	0.34	2.38	2.48
	13	10-1	10-1 to 2-4	0.41	0.84	2.51	2.73	0.76	0.76	0.68	1007.8	1008.34	1007.56	1008.1	1006.8	1007.34	108.098	0.5	0.41	0.34	3.94	2.51
	14	11-1	11-1 to 2-3	0.74	0.85	4.59	5.45	1	1	0.89	1007.82	1009.35	1007.29	1008.82	1005.2	1007.36	108.051	2	0.74	0.63	5.85	4.59
A	15	3-1	3-1 to 2-2	0.42	0.64	4.58	8.05	1.5	1.5	0.82	1004.77	1005.02	1004.66	1004.92	1001.97	1002.75	155.694	0.5	1.01	0.66	2.59	4.58
A	16	3-2	3-2 to 3-1	0.2	0.62	2.72	4.86	1.25	1.25	0.66	1005.06	1005.11	1004.98	1005.04	1003	1003.17	35.163	0.48	0.59	0.39	2.22	2.72
A	17	3-3	3-3 to 3-2	0.39	0.68	1.94	4.92	1.25	1.03	0.55	1005.13	1005.26	1005.09	1005.21	1003.37	1004.18	163.499	0.5	0.39	0.27	1.69	1.94
	18	4-2	4-2 to 4-1	0	0	7.99	4.7	1.11	1.25	1.11	1002.24	1002.43	1001.49	1001.77	1000.38	1000.45	15.493	0.45	1.26	1.1	6.71	7.99
	19	4-3	4-3 to 4-2	1.26	0.87	8	4.95	1.25	1.25	1.11	1002.56	1002.98	1001.9	1002.32	1000.65	1000.81	32.013	0.5	1.26	1.1	6.52	8
	20	7-2	7-2 to 7-1	0	0	0	15.13	2	2	0.28	1002.85	1002.85	1002.85	1002.85	999.74	999.82	20.988	0.38	0	0	0.21	0.66
Λ	21	7-3	7-3 to 7-2	0	0	0	15.46	2	2	0.28	1002.85	1002.85	1002.85	1002.85	999.82	1000	45.234	0.4	0	0	0.21	0.66

100-Year Storm Calculations





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<u>Utility Notes</u>

- Boundary information, existing utilities and topographic features shown are based on information supplied by owner, surveyor, and others.
- The existing utility locations shown on these plans are approximate and may not include all utility lines present. The contractor shall be responsible to make One Call and coordinate field location of all existing underground utilities prior to beginning excavation/construction activities.
- The contractor shall be responsible for any damage to any utilities or their structures during excavation/construction activities.
- The contractor shall coordinate and be responsible for connection fees, system development fees, taxes, etc. for all main connections and/or extensions with and from the city and/or respective utility unless otherwise coordinated with the Owner. All utility services for this project shall be coordinated with respective utility company by contractor.
- The contractor shall be responsible for adjusting all at-grade utilities such as manhole covers, valve box covers, etc. to finish grade, whether specifically indicated in these plans or not.
- Utilities shown on the plan with specific elevations and/or structure locations are SUE quality level "B", ie: storm sewer, sanitary sewer, water hydrants & valves, utility poles, etc. All other existing utility information shown is SUE quality level "D", primarily retracement of one—call and city records.

proposed major contour

Property Legend

---- easements setbacks

<u>Grading Legend</u>

existing minor contour — — — — existing major contour proposed minor contour

<u>Utility Legend</u>

existing
proposed
 proposed

<u>Linetypes</u>

sanmsans	======================================	sanitary main sanitary service storm sewer (existing) storm sewer (solid wall, propose storm sewer (solid wall, propose storm sewer (perforated, propose water main water service (fire) water service (domestic) water service (irrigation)
gasm gasm gass		natural gas main natural gas service schematic
		underground primary electric underground secondary electric overhead electric
datu		underground cable/phone/data

<u>Symbols</u>

 \sim

sanitary manhole <u>BM-1:</u> (Sanitary Sewer Manhole, Center of Lid) Elevation: 1006.88' service cleanout N: 1013449.78

force main release valve E: 2826933.88 rectangular structure

<u>BM-2:</u> (Storm Sewer Curb Inlet, Center of Lid)

Local Benchmarks:

underground cable/phone/data service

fence-chainlink

fence-barbed wire

fence-wood

circular structure Elevation: 994.34' N: 1013518.71 fire hydrant E: 2826136.03

water valve

water meter

natural gas meter

service transformer (pad mount)

backflow preventer

primary switch gear

✡ light pole

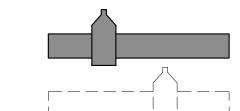
cable/phone/data junction box

pedestrian street light

electric pole

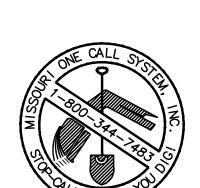
Curb Inlet Coordinates are for Center Back of Curb

Grate Inlet, Junction Boxes, & Manhole Coordinates are to Center of Structure



Proposed Pipe and Structures

Existing Pipe and Structures





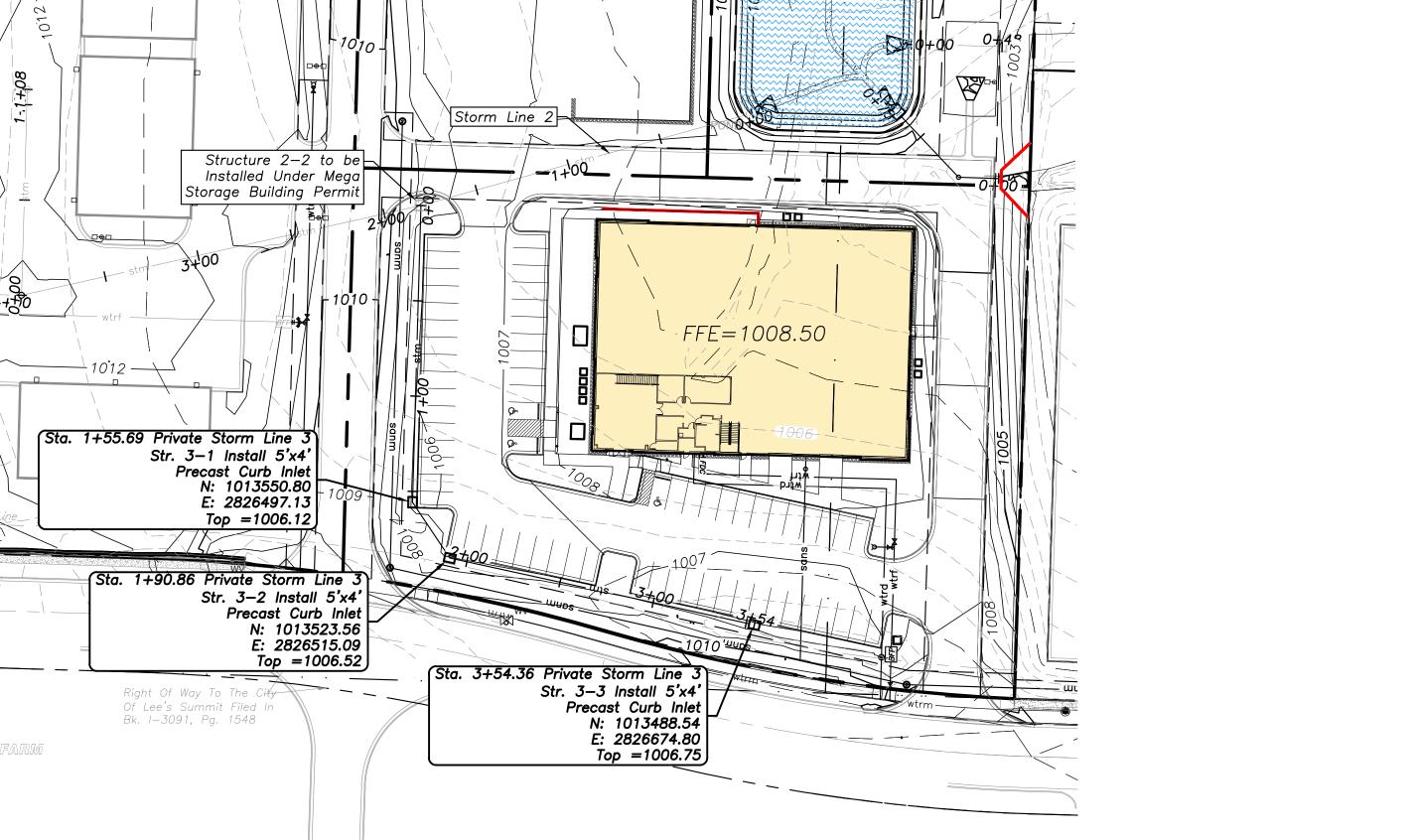
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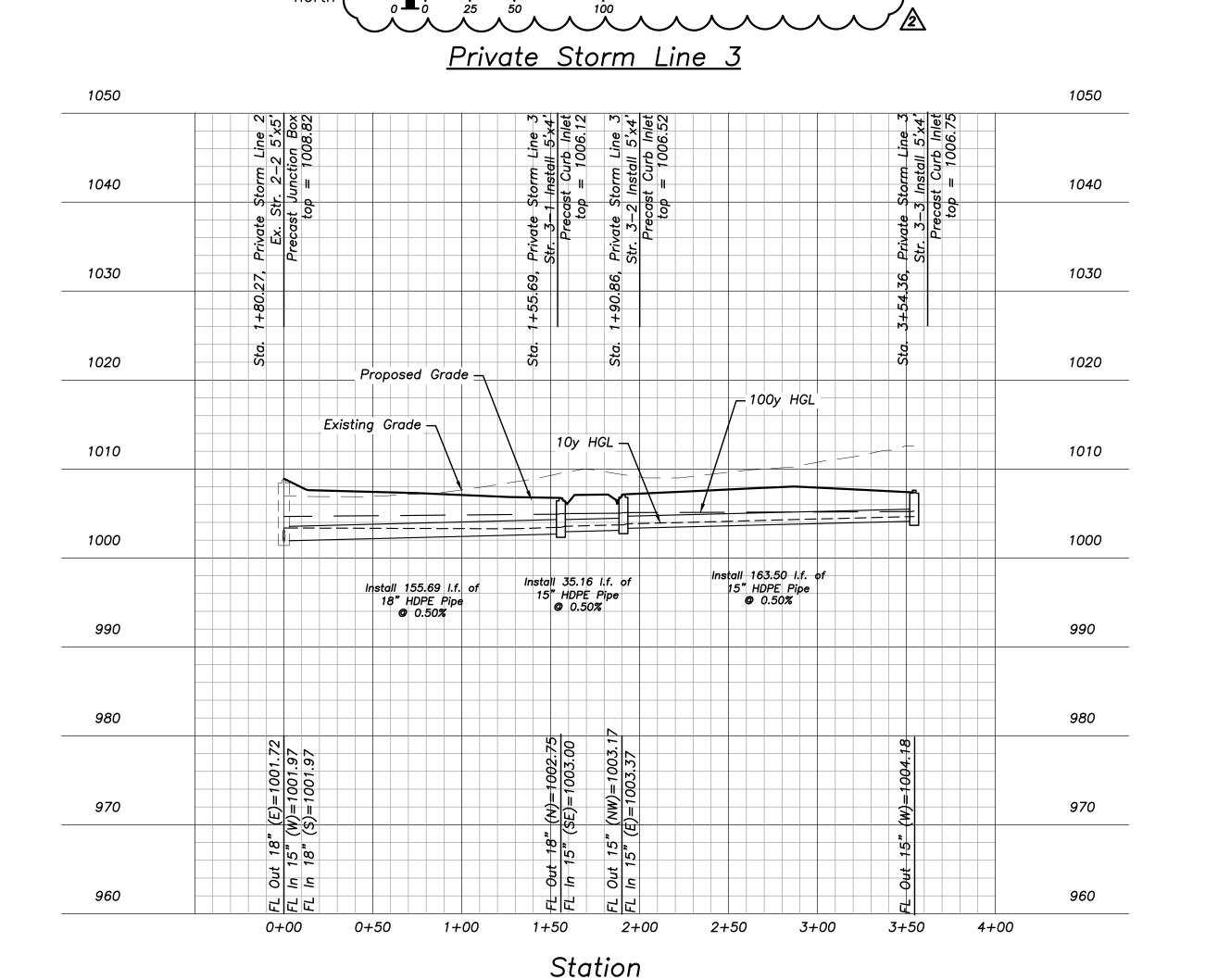
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V: 1"=10' H: 1"=50'

Storm Line 3 Plan and Profile

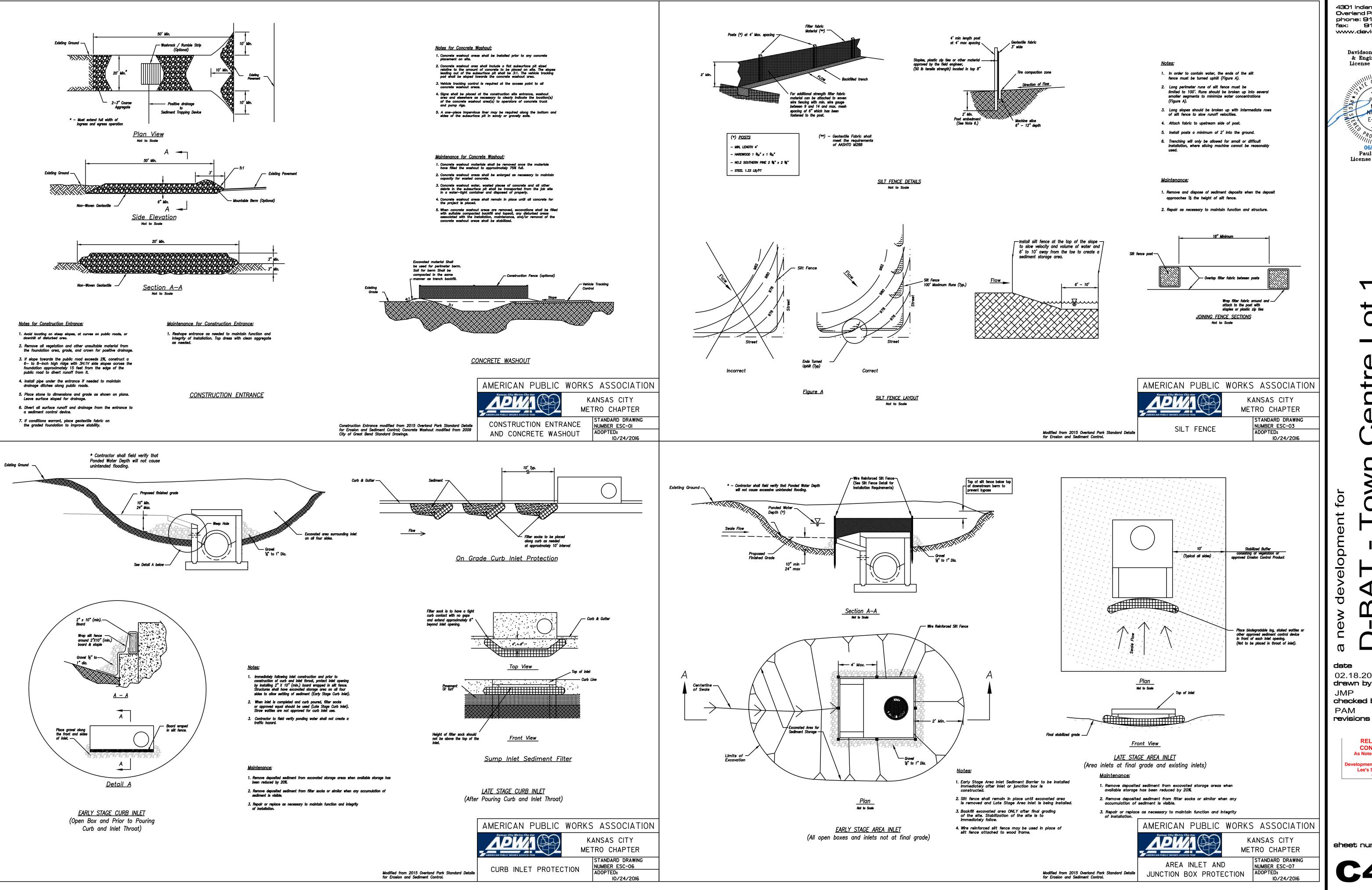
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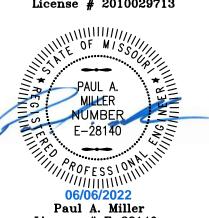
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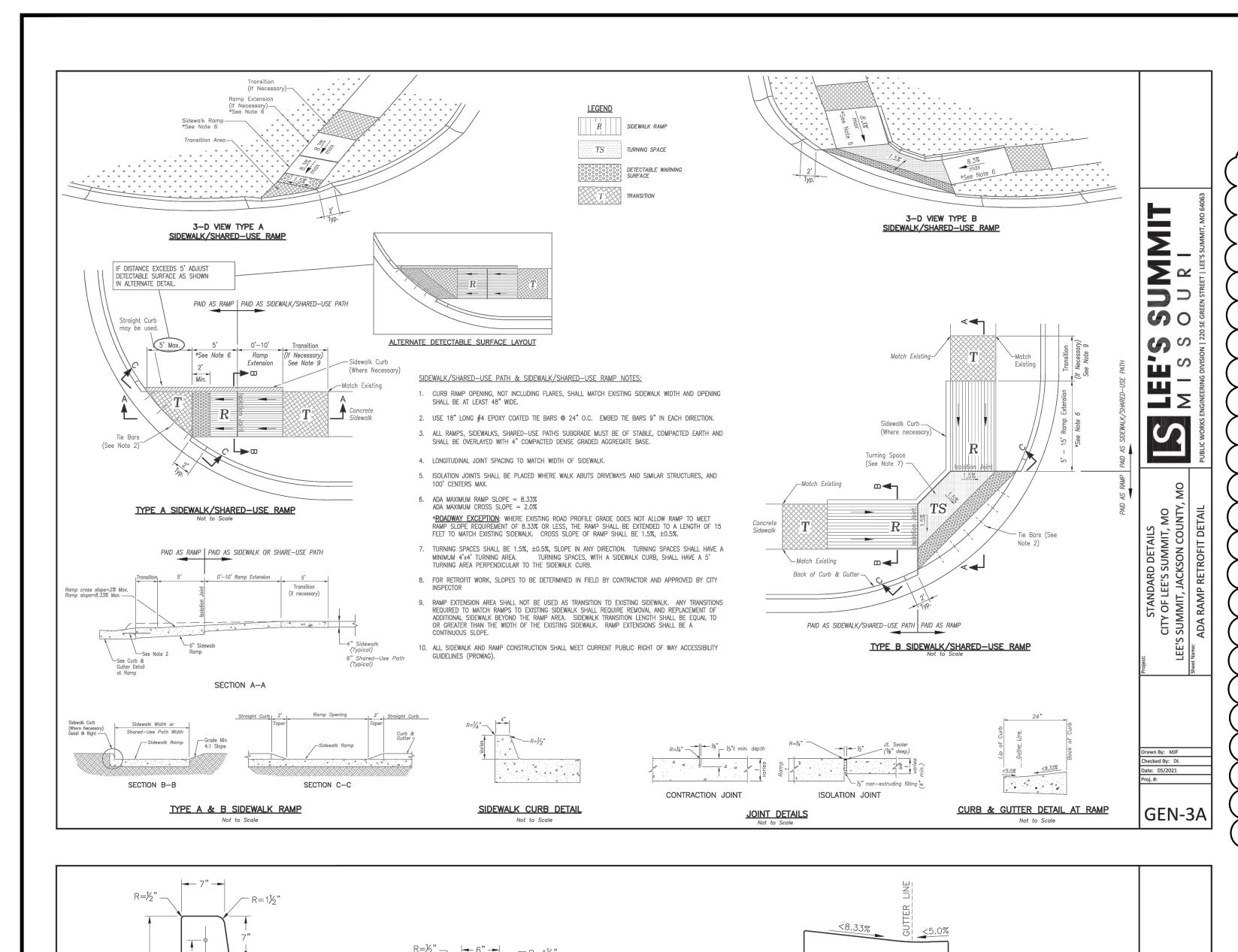
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TOP OF SURFACE COURSE

TOP OF BASE COURSE

5"

DOWELLED CURB

(TYPE DC)

(TYPE CG-2)

24"

ROLL BACK DRY CURB &

<u>GUTTER</u>

(TYPE CG-2 DRY)

CURB & GUTTER DETAIL AT RAMP

(ADA SLOPE REQUIREMENTS)

2" ASPHALTIC CONCRETE SURFACE COURSE

CURB REPLACEMENT DETAIL

END WITH EXPANSION TUBES.

ACROSS THE ENTIRE CURB SECTION.

GENERAL NOTES

- CURB & GUTTER

COMPACTED

STABLE SUBGRADE

CONCRETE FILL (DEPTH

VARIES, 4" MINIMUM)

VARIES 3" to 6"

1. $\frac{3}{4}$ " ISOLATION JOINTS WITH 3 (2'-#5 BAR) SMOOTH DOWELS

APPROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS

5. ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM TO

6. CURBS FOR NEW STREETS SHALL BE BUILT ON ASPHALT OR AGGREGATE BASE AS SHOWN IN TYPICAL SECTION DETAIL.

CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.

8. ALL DOWELS & TIE BARS SHALL BE EPOXY COATED.

7. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE

2. 3" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT

3. CONCRETE FILL SHALL HAVE UNIFORM AND SMOOTH FINISH

4. KCMMB 4K CONCRETE SHALL BE USED FOR ALL CURB.

STANDARD SPECIFICATIONS SECTION 2205.2.

SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS.

THESE DOWEL BARS SHALL BE GREASED AND WRAPPED ON ONE

SAW CUT TO AGGREGATE

BASE OR SUBGRADE

- EXISTING PAVEMENT

GEN-4

- PAVEMENT SURFACE

SMOOTH DOWEL

STRAIGHT CURB

(TYPE C-1)

STRAIGHT BACK CURB &

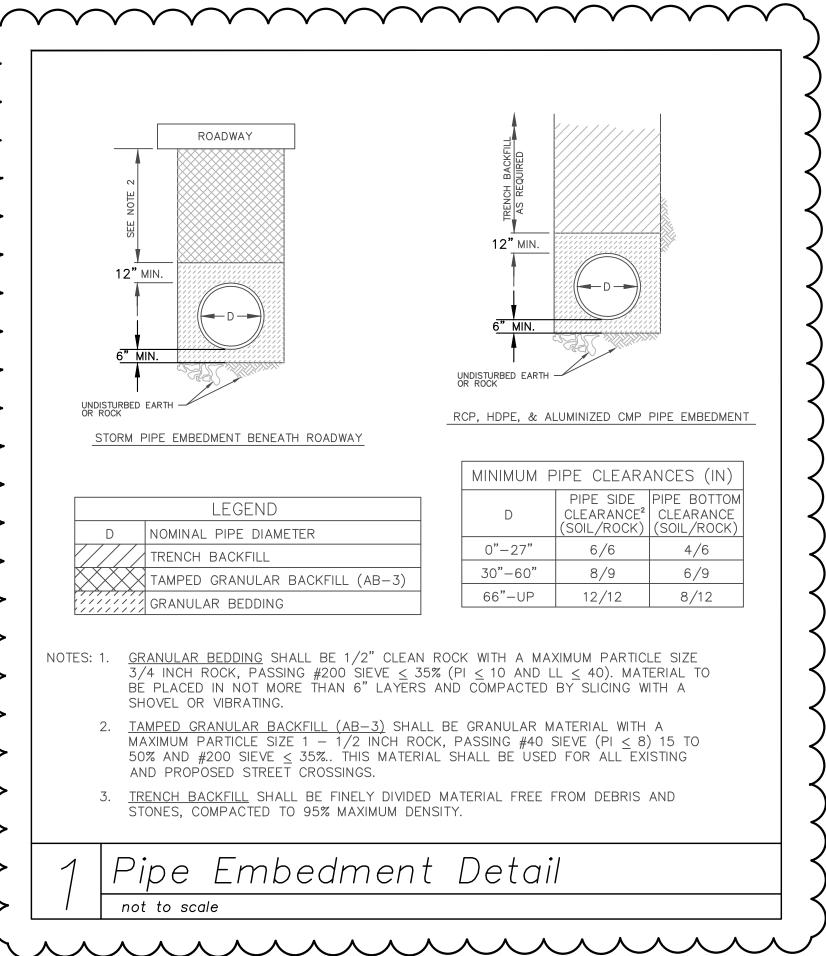
(TYPE CG-1)

4" + 8" - 8" - 4" +

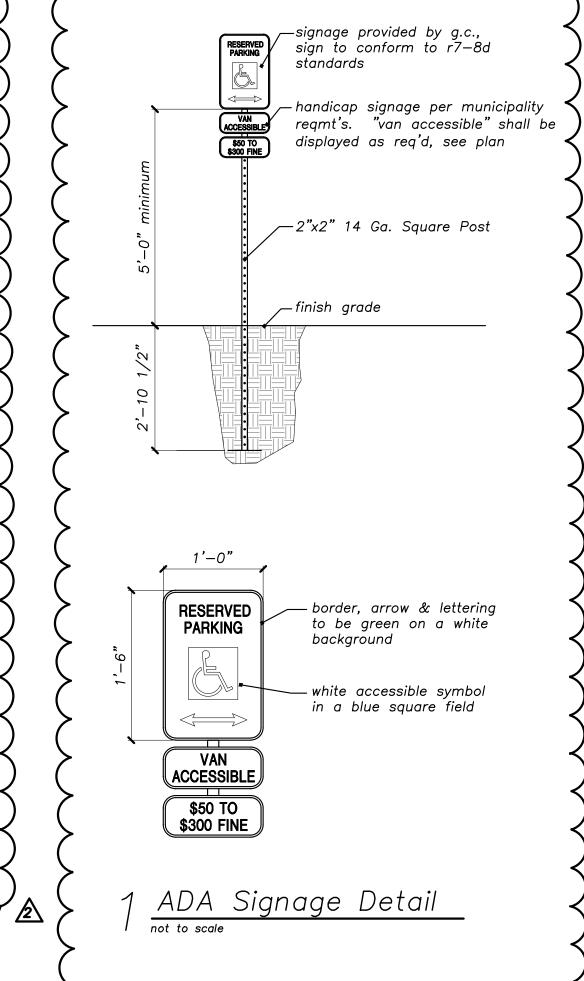
STRAIGHT BACK DRY CURB &

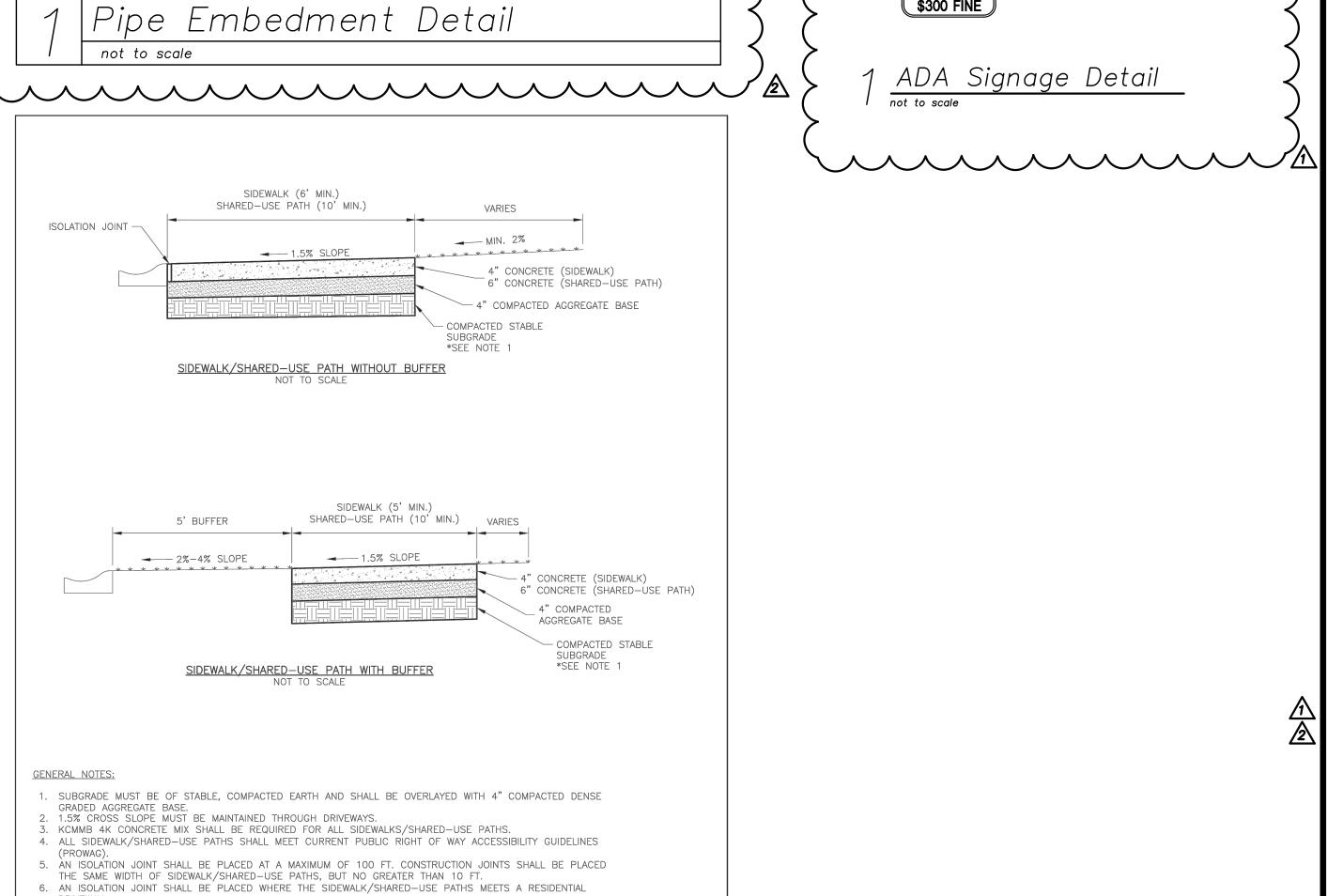
(TYPE CG-1 DRY)

24"



ISOLATION JOINT -







elo

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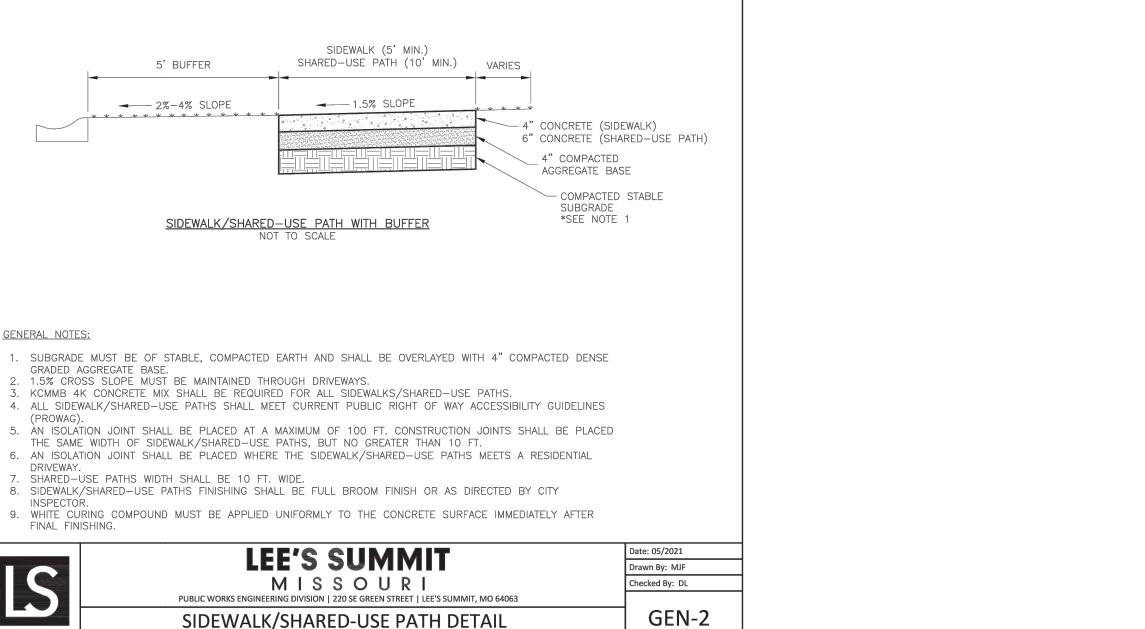
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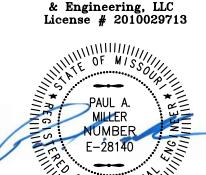
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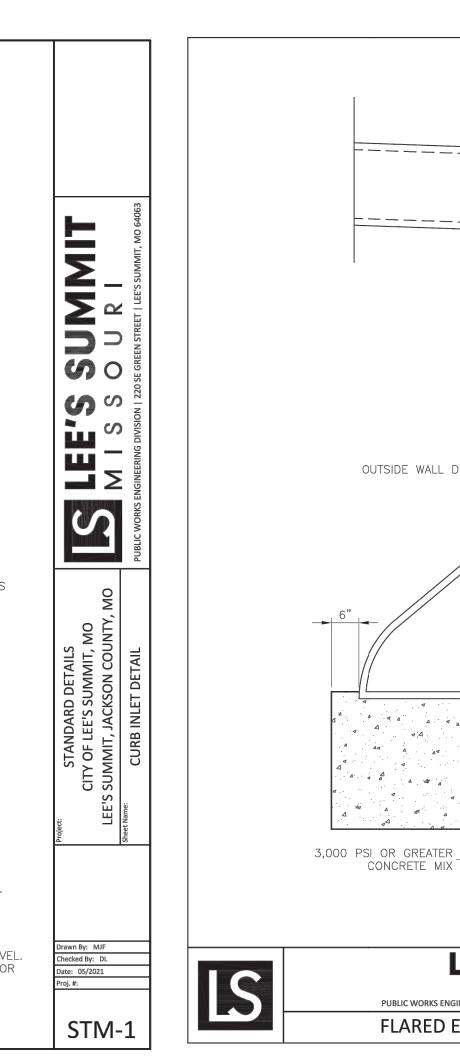
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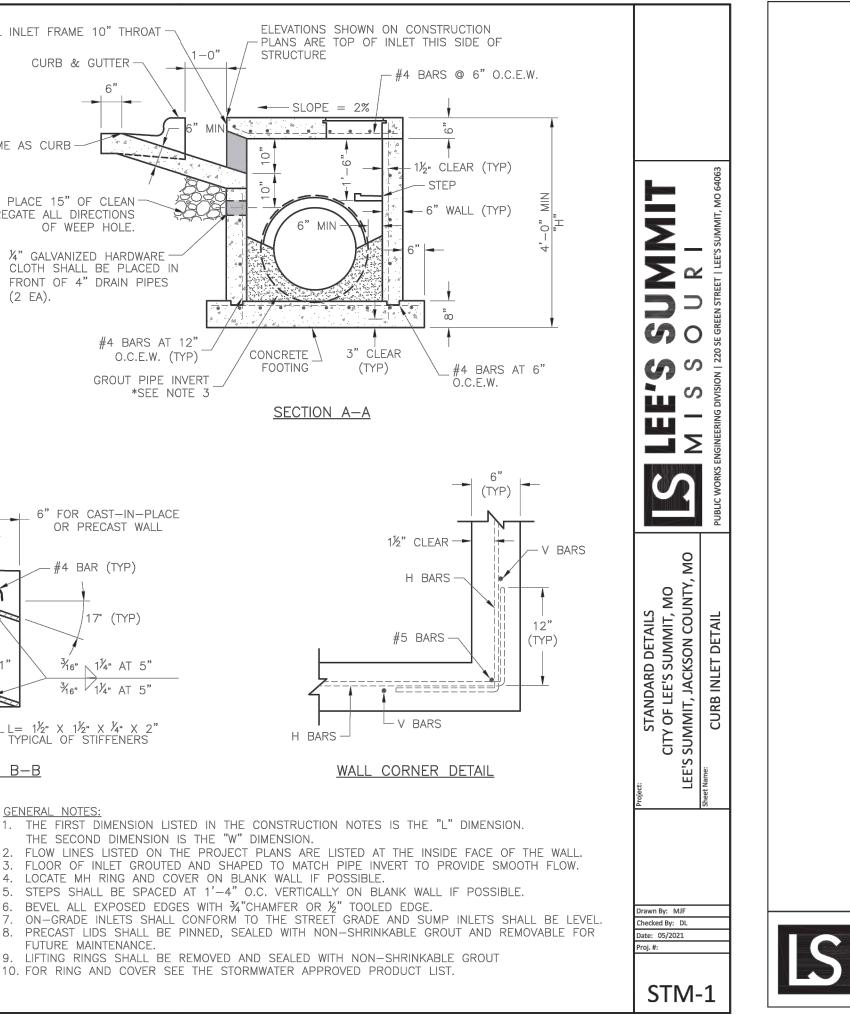
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ELEVATIONS SHOWN ON CONSTRUCTION

STRUCTURE

→ SLOPE = 2% /

CONCRETE \ 3" CLEAR

SECTION A-A

H BARS ─

1. THE FIRST DIMENSION LISTED IN THE CONSTRUCTION NOTES IS THE "L" DIMENSION.

5. STEPS SHALL BE SPACED AT 1'-4" O.C. VERTICALLY ON BLANK WALL IF POSSIBLE.

9. LIFTING RINGS SHALL BE REMOVED AND SEALED WITH NON-SHRINKABLE GROUT 10. FOR RING AND COVER SEE THE STORMWATER APPROVED PRODUCT LIST.

(TYP)

1½" CLEAR —

H BARS -

#5 BARS —

└ V BARS

WALL CORNER DETAIL

• =======

- PLANS ARE TOP OF INLET THIS SIDE OF

1½" CLEAR (TYP)

Ö.C.E.W.

— STEP

STEEL INLET FRAME 10" THROAT

SLOPE SAME AS CURB -

OUTSIDE EDGE OF

CONCRETE FOOTING

-+---+

<u>PLAN VIEW</u>

B ~¬

1. ALL WELDS SHALL BE PERFORMED IN ACCORDANCE WITH APPROPRIATE AWS SPECIFICATIONS AND

2. ALL WELDS ON EXPOSED SURFACES SHALL BE DRESSED SO AS TO PROVIDE A PLEASING FINISHED

3. THE ENTIRE FRAME SHALL BE PAINTED A SINGLE COAT OF CHEM-PRIME #37H-78 PRIMER (GRAY) OR

----- VARIABLE L ----

√¼" STEEL ¬

FRONT ELEVATION

AT 1'-0" CENTERS MAX

<u>PLAN VIEW</u>

CONCRETE CURB DOWELS (#4 BARS) SHALL BE CENTERED VERTICALLY AND HORIZONTALLY

CONCRETE TOP SLAB (#4 BARS)

EXPANSION

5' TRANSITION

DOWNSTREAM SIDE

¾"ø SMOOTH ROUND BAR -

STEEL FRAME NOTES

PROCEDURES

APPEARANCE.

LIFTING SLOT (TYP)

#4 BARS PLACED AT

45° ANGLE

- INSIDE WALL

LOCATING POINT

-STIFFENERS AT 3'-0" CTR. MAX

- (INSIDE FACE OF FRONT

10' TRANSITION UPSTREAM SIDE -

SIDES FOR SUMP INLET

-#4 BAR (TYP)

10' TRANSITION BOTH

WALL (OF BOX)

1" X 1" X 18" RECESSED

- STEEL INLET FRAME (10" THROAT)

EXPANSION JOINT

CURB AND GUTTER

(3) 2'-#5 BARS

¾6" STEEL —

^{_}1'−¹¼_{6"}

SECTION B-B

1'-3¹¼6"

CURB & GUTTER -

PLACE 15" OF CLEAN -

6" FOR CAST-IN-PLACE

OR PRECAST WALL

OF WEEP HOLE.

¼" GALVANIZED HARDWARE —

CLOTH SHALL BE PLACED IN FRONT OF 4" DRAIN PIPES

#4 BARS AT 12"

GROUT PIPE INVERT

O.C.E.W. (TYP)

*SEE NOTE 3

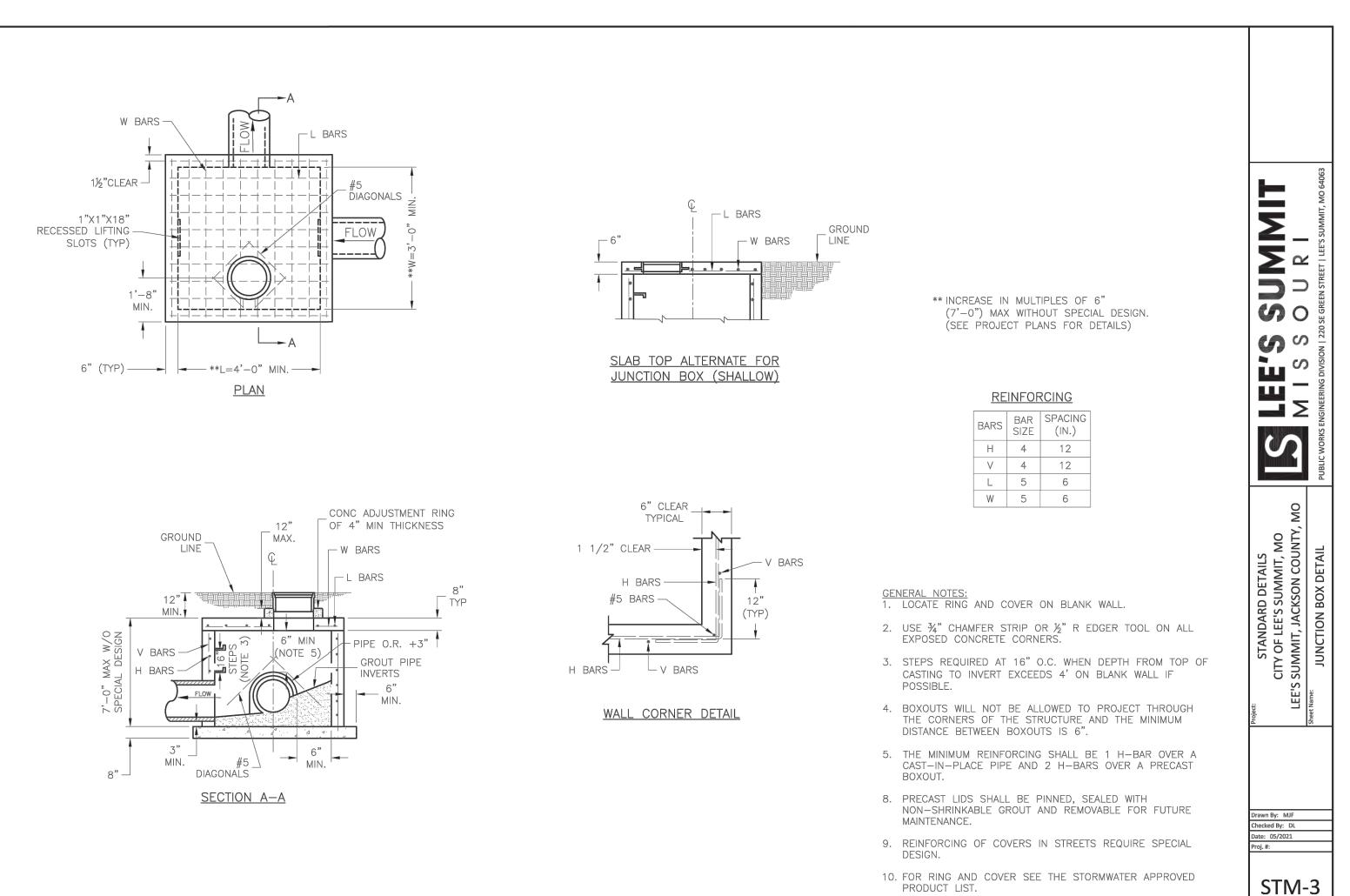
THE SECOND DIMENSION IS THE "W" DIMENSION.

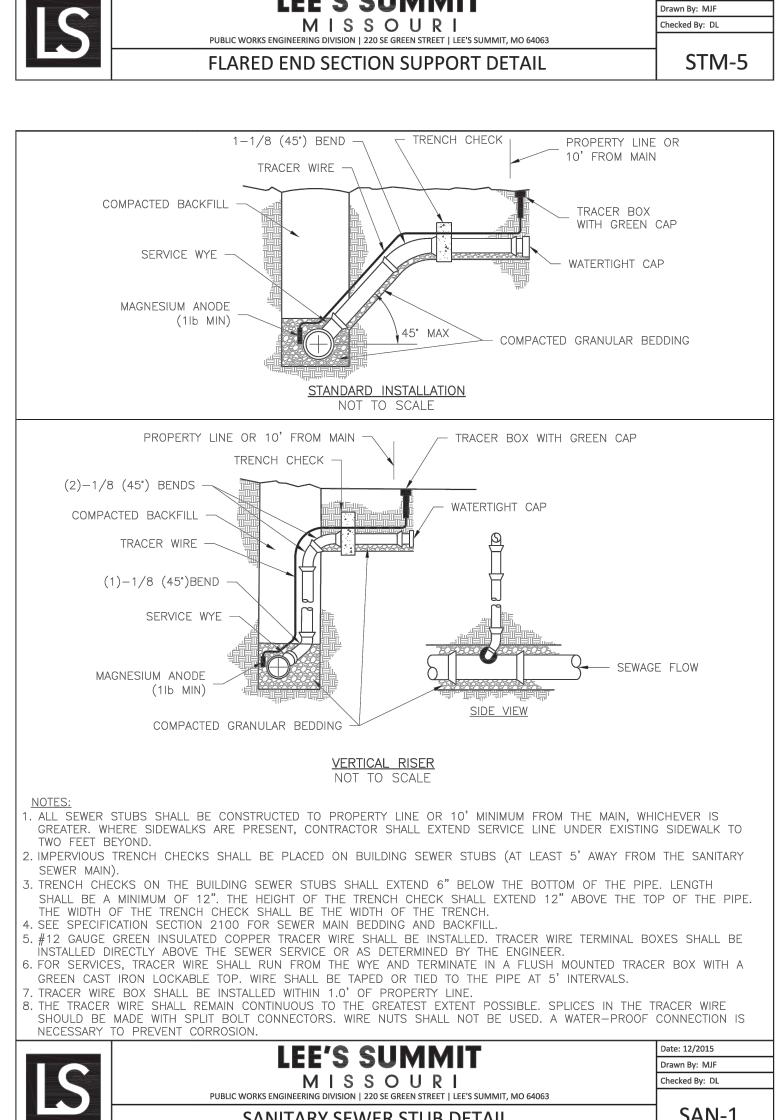
4. LOCATE MH RING AND COVER ON BLANK WALL IF POSSIBLE.

. BEVEL ALL EXPOSED EDGES WITH $\frac{3}{4}$ "CHAMFER OR $\frac{1}{2}$ " TOOLED EDGE.

AGGREGATE ALL DIRECTIONS

(2 EA).





FLARED END SECTION -

<u>PLAN VIEW</u>

<u>END VIEW</u> NOT TO SCALE

2' MIN. OR TO BEDROCK

WHICHEVER IS SHALLOWER

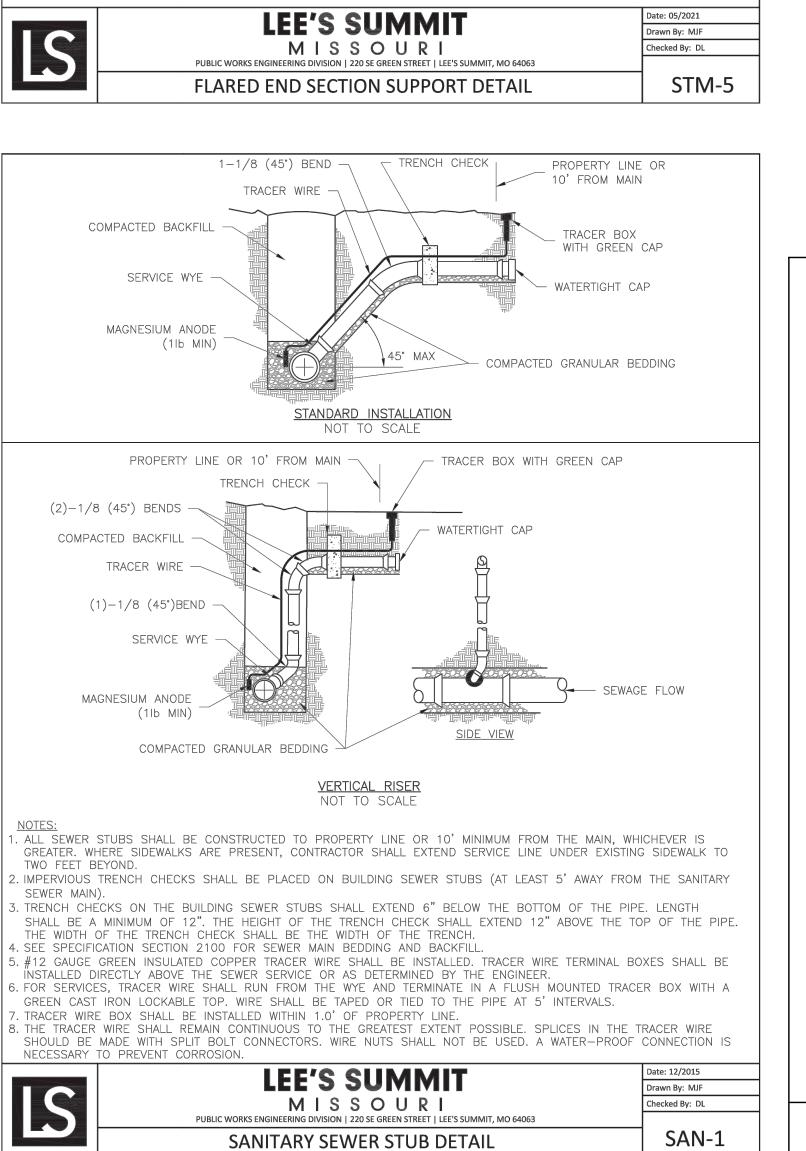
FLOOR THICKNESS

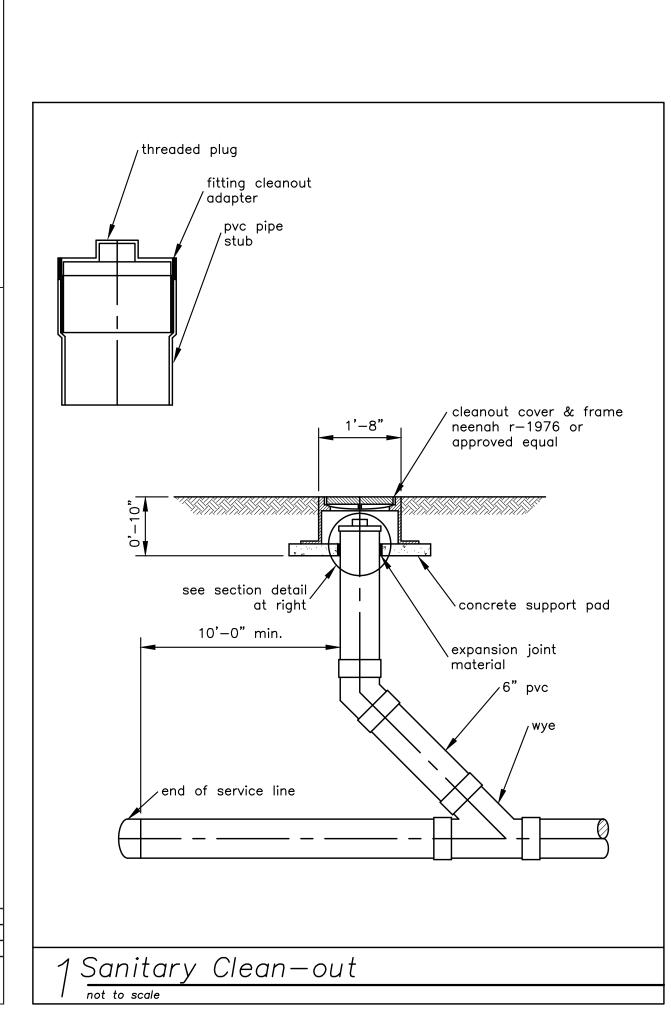
- WING WALL

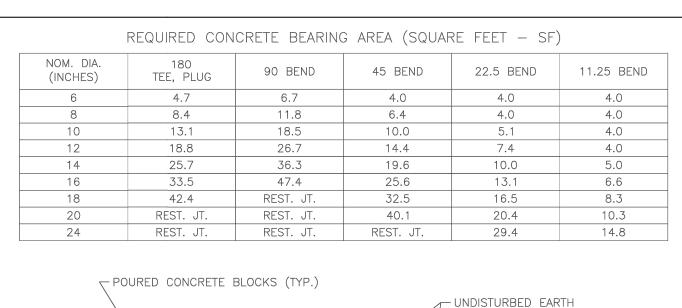
– FLOOR

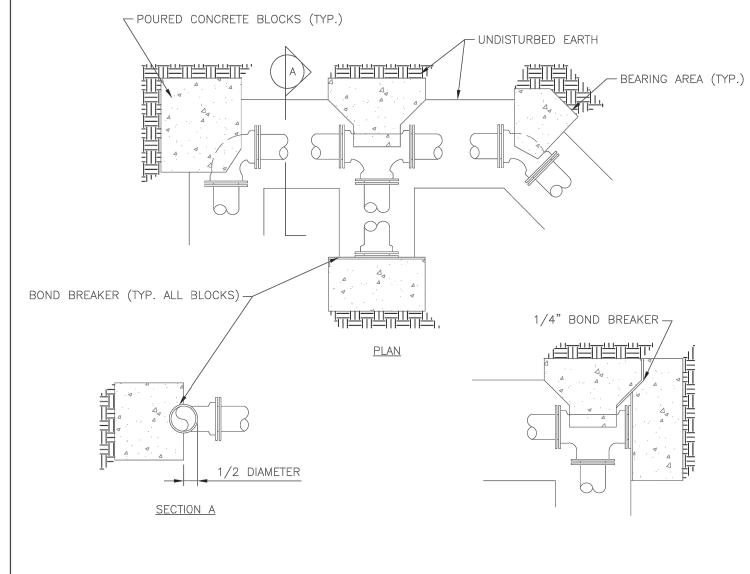
OUTSIDE WALL DIMENSION -

CONCRETE MIX









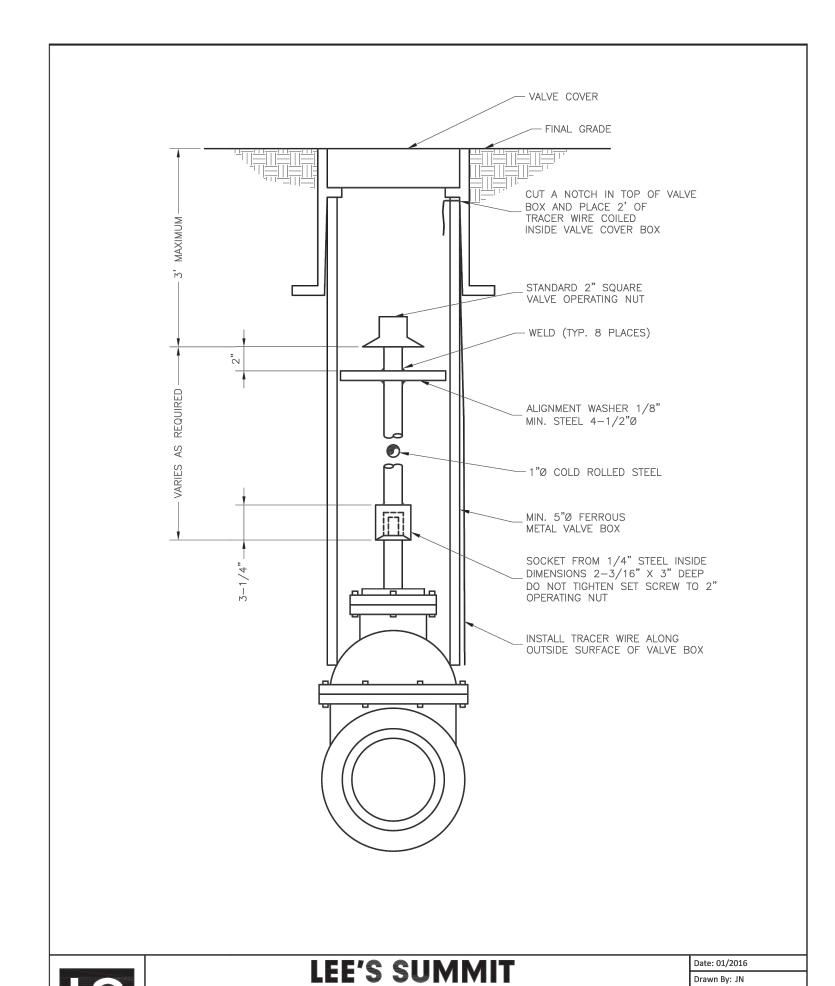
LEE'S SUMMIT	Date: 01/2016
LEE 3 30 WINTI	Drawn By: JN
MISSOURI	Checked By: DL
PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063]
HORIZONTAL THRUST BLOCK	WAT-1

1. ALL BENDS WITHOUT RESTRAINED JOINTS SHALL HAVE CONCRETE THRUST BLOCKS INSTALLED FOR RESTRAINT.

2. MEGA LUGS MAY BE USED ONLY IN CONJUNCTION WITH CONCRETE THRUST BLOCKING.

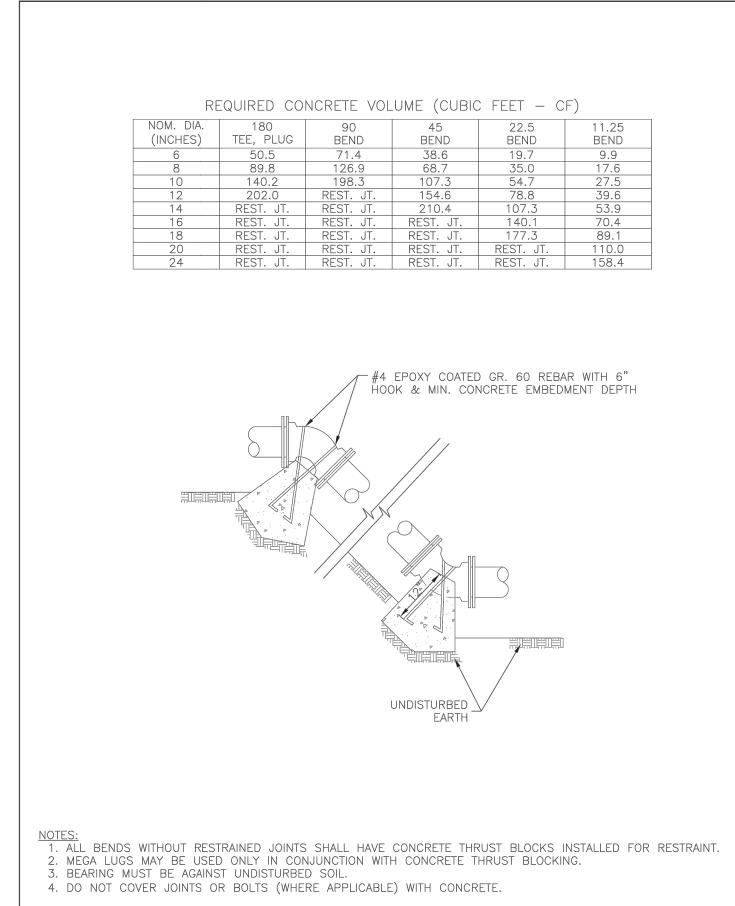
4. DO NOT COVER JOINTS OR BOLTS (WHERE APPLICABLE) WITH CONCRETE.

3. BEARING AREA MUST BE AGAINST UNDISTURBED SOIL.

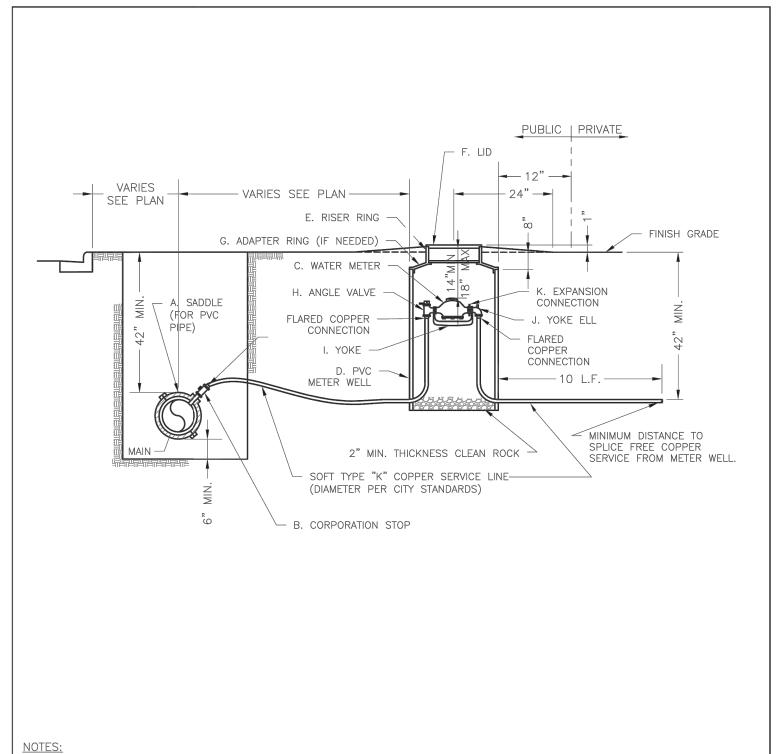


MISSOURI

VALVE STEM EXTENSION AND VALVE BOX



LEE'S SUMMIT	Date: WAT-2
LEE 3 30 IVIIVII I	Drawn By: JN
MISSOURI	Checked By: DL
PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063	
VERTICAL THRUST BLOCK	WAT-2



RISER RING SHALL BE SET SO THAT GROUND WATER WILL DRAIN AWAY FROM THE WELL. WATER UTILITIES, 816-969-1900, FOR REQUIREMENTS OF A METER LARGER THAN 2"	
LEE'S SUMMIT	Date: 06/2015
LEE 3 30 MINIT	Drawn By: JN
MISSOURI	Checked By: DL
PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063	
SERVICE CONNECTION WITH METER WELL	WAT-11

. METER INSTALLATION SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC OR IN CONCRETE

CITY TO FURNISH ITEMS A-K.

Checked By: DL

WAT-9

I. NO OTHER EQUIPMENT SHALL BE INSTALLED IN THIS PIT.

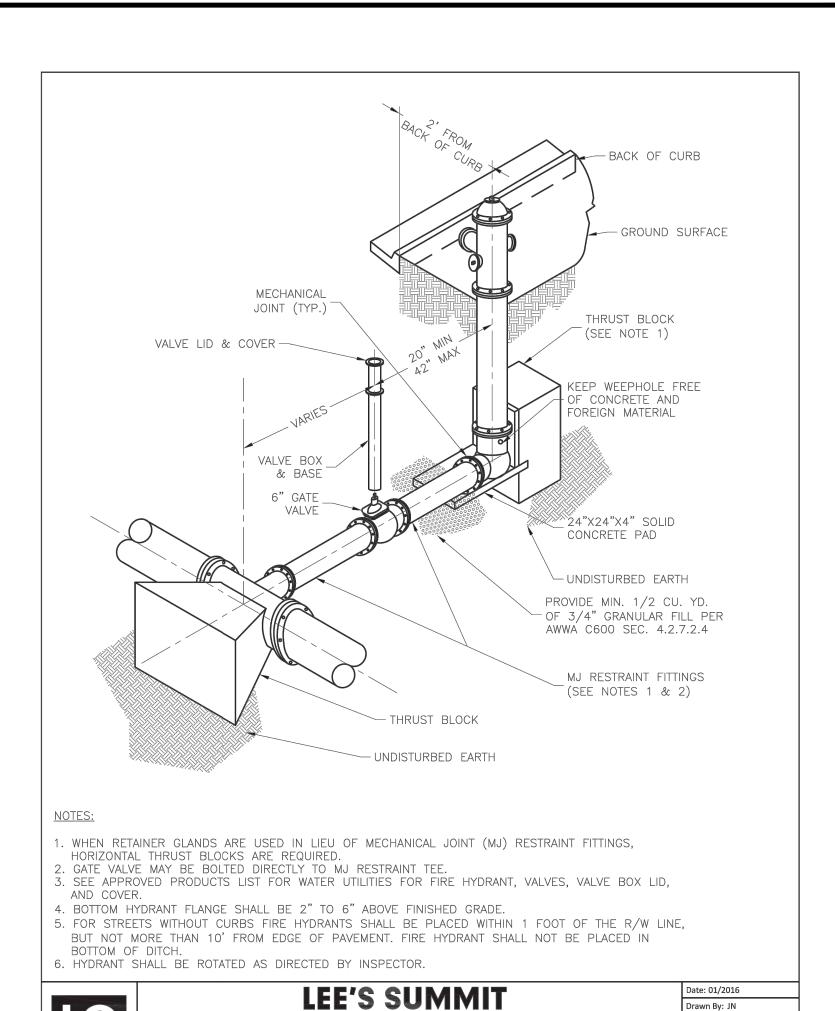
EXCAVATION FOR TAP TO EXPOSE 4 LINEAR FEET OF MAIN.

8. SERVICE CONNECTION TAP AT APPROXIMATELY 45 DEGREES.

. 42" MINIMUM BURY DEPTH FOR ALL SERVICE LINES.

NO SPLICES ALLOWED BETWEEN METER AND MAIN.

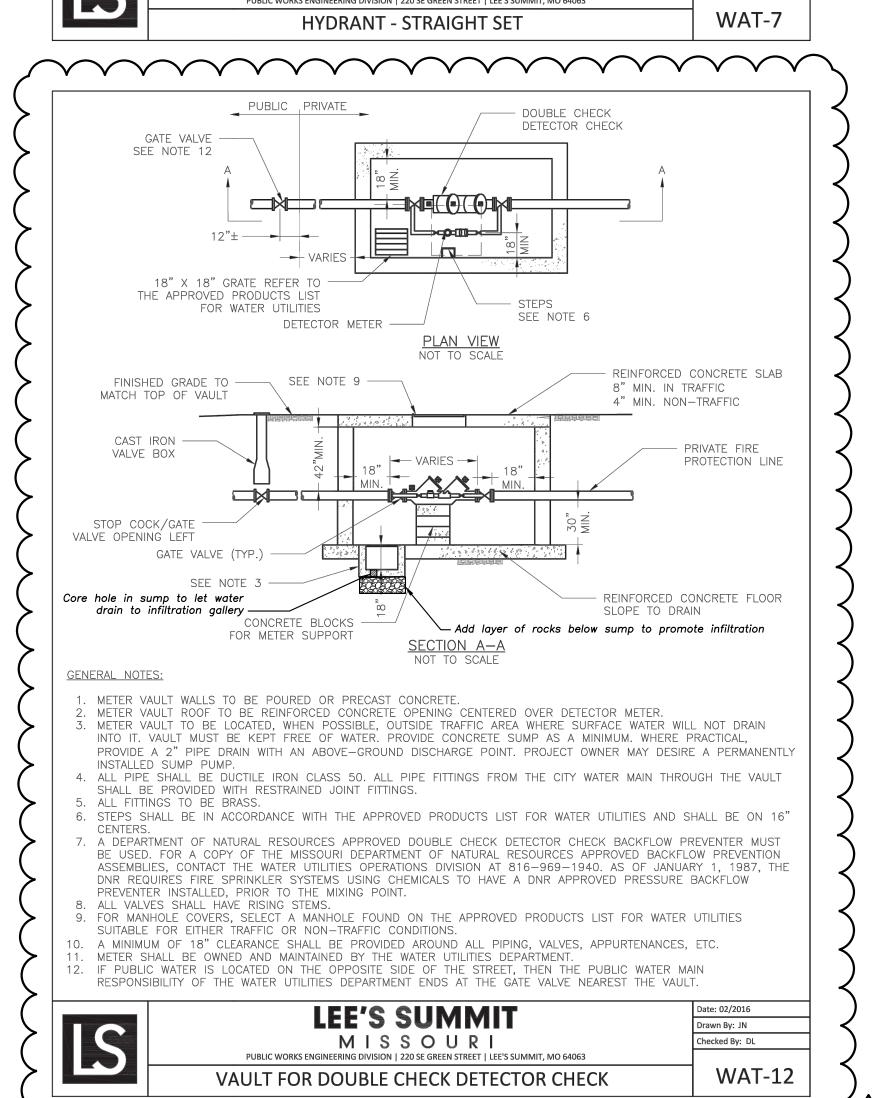
IF METER IS TO BE LOCATED OTHER THAN IN FRONT OF PROPERTY LINE, CITY APPROVAL SHALL BE OBTAINED.



MISSOURI

Drawn By: JN

hecked By: DL





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> Davidson Architecture & Engineering, LLC

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date 02.18.2022 drawn by JMP checked by revisions

elo

06.06.2022 CONSTRUCTION As Noted on Plans Review Lee's Summit, Missouri

06/20/2022

sheet number