K-1 SPEED FINAL DEVELOPMENT PLAN

LEE'S SUMMIT, MISSOURI 64064

2911 NORTHEAST INDEPENDENCE AVE

UTILITY CONTACTS CITY OF LEE'S SUMMIT, MO

PLANNING AND DEVELOPMENT

CITY HALL 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 TEL: (816) 969-1600 FAX: (816) 969-1619

PUBLIC WORKS
CITY HALL
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1800
FAX: (816) 969-1809

LEE'S SUMMIT FIRE DEPARTMENT 207 SE DOUGLAS ROAD LEE'S SUMMIT, MO 64063 TEL: (816) 969-1300

TELEPHONE COMPANY AT&T

TEL: (800) 464-7928

CODES ADMINISTRATION
CITY HALL
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1200
FAX: (816) 969-1201

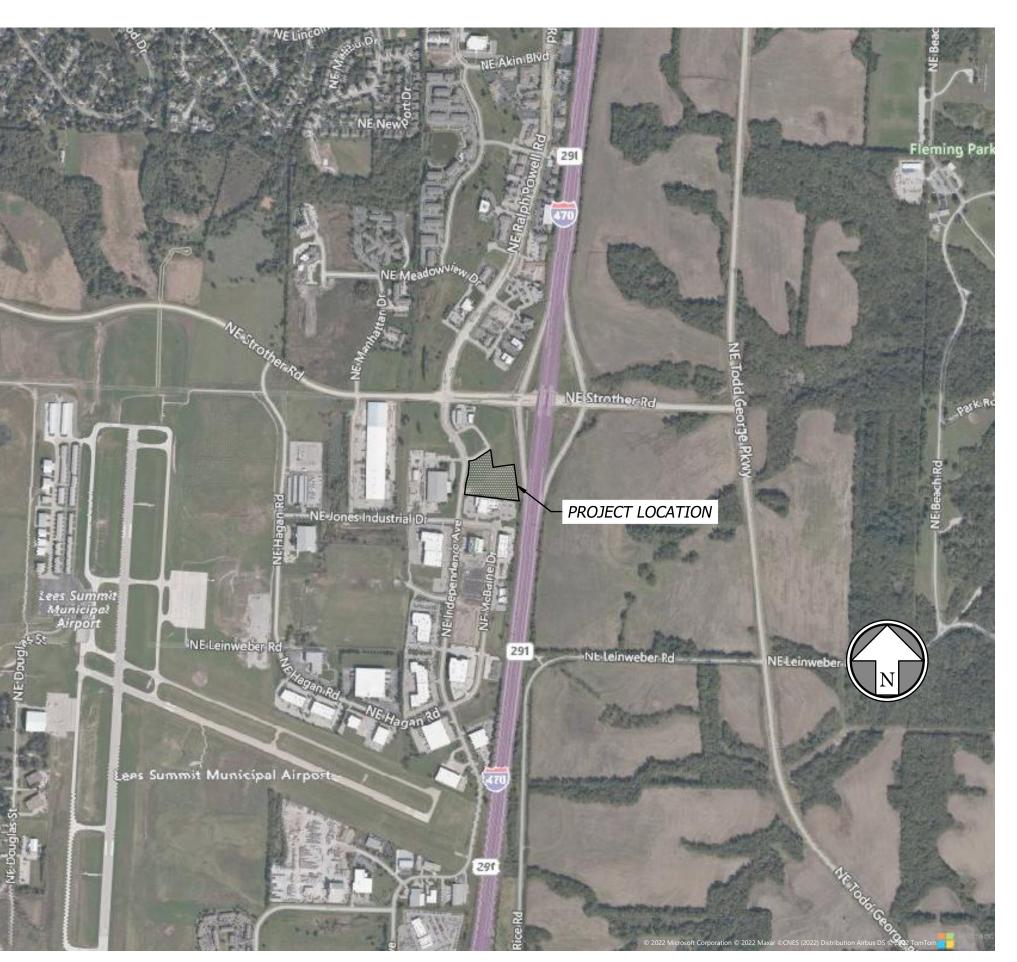
WATER UTILITIES
CITY HALL
1200 SE HAMBLEN RD
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1900
FAX: (816) 969-1935

ELECTRIC COMPANY EVERGY TEL: (888) 471-5275

GAS COMPANY MISSOURI GAS ENERGY TEL: (816) 756-5252

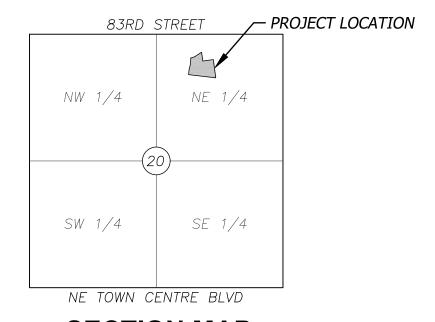
All existing utility locations shown are approximate only and are not guaranteed to be accurate or all inclusive. Contractor shall be responsible for contacting all utility companies and verifying the actual field locations of all utilities prior to any construction activity. Contractor shall keep all utility locations current. Utilities damaged through the negligence of the contractor to obtain the proper field locations shall be the responsibility of the contractor to repair or replace at their expense and at the direction of the utility company. The contractor shall pothole and survey all utility crossings prior to construction of any portion of storm sewer, sanitary sewer laterals, underdrains, conduit and any other subsurface element of the project. The survey information shall be forwarded to the project engineer for review. The contractor shall not begin construction on any subsurface element on the project without the approval of the project engineer. Utility coordination, potholing/surveying shall be subsidiary to other bid items.





VICINITY MAP

SCALE: 1" = 1000'



SECTION MAP

SCALE: 1" = 2000'
SECTION 20-T48N-R31W

LEE'S SUMMIT, MISSOURI

SHEET INDEX

COVER SHEET ARCHITECTURAL A100 PRELIMINARY FLOORPLAN GENERAL INFORMATION SURVEY TRASH ENCLOSURE DETAILS DEMOLITION PLAN EXTERIOR RENDERINGS SITE PLAN **GRADING PLAN** L100 LANDSCAPE PLAN LANDSCAPE DETAILS LAYOUT PLAN HARDSCAPE DETAILS ME201P SITE PLAN - PHOTOMETRIC ME202P LIGHTING - CUTSHEETS SANITARY PLAN PROPOSED DRAINAGE MAP PIPE PLAN ME207P LIGHTING - CUTSHEETS PROPOSED PIPE CALCS STORM LINE 100 STORM LINE 100 (CONT. STORM LINE 200 VSTORM LINE 300 V

SURVEYOR OF RECORD

CURB INLET PROTECTION

C7.8 AREA INLET & JUNCTION BOX PROTECTION

SILT FENCE

CONCRETE ENTRANCE & CONCRETE WASHOUT

OLSSON 1301 BURLINGTON ST. NORTH KANSAS CITY, KANSAS 64116 P (816) 361-1177 F (816) 361-1888

F (816) 361-1888 CONTACT: JASON S. ROUDEBUSH EMAIL: JROUDEBUSH@OLSSON.COM

ASON S. ROUDEBUSH EMAIL: DAVID.HILL@DH4L.COM

CIVIL ENGINEER

BHC
7101 COLLEGE BOULEVARD, SUITE 400
OVERLAND PARK, KANSAS 66210
P (913) 663-1900
F (913) 663-1633
CONTACT: AUSTIN LAGE
EMAIL: AUSTIN.LAGE@IBHC.COM

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review

Development Services Departm
Lee's Summit, Missouri
09/07/2022

DEVELOPER/OWNER

10624 S EASTERN AVE, SUITE A-975

HENDERSON, NEVADA 89052

CONTACT: DAVID HILL

DH4 HOLDINGS

P (816) 853.8323

APPROVED BY:

Administrator, Engineering Services Division Date

SUBMITTED BY:

BHC

OVERLAND PARK, KANSAS

Austin Lage , P.E. Date MO P.E. No. 2021029127

BHCR Project #: 033050





lex

intertainment Complex

Revisions:

1 CITY COMMENTS 07/22/3
3 CITY COMMENTS 08/25/3

Project #: 211

June 21, 2022

Final

Development Plans

CVR

Proposed Line Types and Symbols shown. Existing Line Types and Symbols shall be the same, but screened, unless designated otherwise by the inclusion of a survey by others.

	-	se by the inclusion of a survey by c	
•	Set Survey Monument Set Survey Monument (in concrete)		Storm Sewer Line Storm Sewer Manhole
	Set Survey Monument (III concrete)		Curb Inlet
0	Found Survey Monument		Field Inlet
(O.U.)	Found Survey Monument in Box Origin Unknown		Junction Box Grate Inlet
(J.J.)	Found Right-of-Way Marker	•	Grate Inlet (Round/Domed)
◬	Control Point		End Section
�	Benchmark Set Hub	8	Headwall Down Spout
_	Section	——— RD ———	Roof Drain
—— — OHC —	Overhead Utility Line(s) Use described Starting Management	CMP	Corrugated Metal Pipe
UGE	Underground Electric Line Marker — Underground Electric Line	CMAP CPP	Corrugated Metal Arch Pipe Corrugated Plastic Pipe
KCP&L	 Underground KCP&L Line (e.g.) 	HDPE	High Density Polyethylene Pipe
-	Utility Pole	RCP	Reinforced Concrete Pipe
<u>-</u> ←	Utility Pole with Transformer Guy Anchor	RCAP RCB	Reinforced Concrete Arch Pipe Reinforced Concrete Box
\$	Utility Pole w/Light & arm	FES	Flared End Section
○	Street Light Pole w/ arm	~	Pipe Continues-Outlet or Source Not Found or Not Surveyed
O EP	Street Light Pole (14') Electric Pedestal (above ground)		Not round of Not Surveyed
EM	Electric Meter	-000	Wood Fence
EV	Electric Access Vault (underground)	-000	Chain Link Fence
EB ©	Electric Access Box (mounted) Electric Manhole	× × ×	Wire Fence (with or without barb) Barbed Wire Fence
©	Electric Pull Box (underground)	-H-H-H-	Plastic Fence
	Transformer (pad mounted) Yard Light	→→→	Iron or Metal Fence
★ (AC)	Air Conditioner Unit	•	Gate Post Retaining Wall
			-
	— Water Line — Water Service Line		Single Pole Sign
	 Water Service Line Underground Water Line Marker 	v	Single Pole Sign Double Pole Sign
٥	Water Valve	84 3	-
ಹ ಹರ	Fire Hydrant Fire Hydrant Assembly	*	Railroad Crossing Gate
	Water Meter	000	Railroad Switch Machine
W	Water Manhole	+++++++++	Railroad Tracks
WV SC	Water Vault (underground) Sprinkler Control Box		Wheel Stop
⊗	Sprinkler Control Box Sprinkler Head	گ	ADA Parking Stall
<u></u>	Yard Hydrant		ADA Detection Warning Pad
BFV BFP	Backflow Valve (BFV) Backflow Preventer (BFP)	8	Bush
BO	Blow-Off Assembly	EVEN S	Desidueus Tree and Cite
	,	Zalaszz"	Deciduous Tree and Size (Scaled for Size)
——— GAS ————————————————————————————————	Gas LineGas Service Line		,
SPIRE	- Underground Spire Line (e.g.)		Coniferous Tree and Size (Scaled for Size)
6	Underground Gas Line Marker	₩\\XX" ₽\XX"	,
©	Gas Manhole or Access Lid Gas Valve	.~~~.	Tree Stump Foliage Drip Line/Edge of Timber
RG	Regulator Unit		Hedge
<u>GM</u>	Gas Meter		
₽ ——	Casing Vent — Underground Pipe Line (High Capacity)	€ PL	Center Line Property Line
∇	Underground Pipe Line Marker	R/W	Right-of-Way Line
	Hadanasa d Talanhana Lina	R=	Radius
———— UGT ———————————————————————————————	Underground Telephone LineUnderground AT&T Line (e.g)	L= CB	Arc Length Chord Bearing
$\overline{\bigvee}$	Underground Telephone Line Marker	CD	Chord Distance
	Telephone Pedestal (above ground)	Δ	Interior Angle (Delta)
(TA)	Telephone Manhole Telephone Access Vault (underground)	I.T.B. R/W	Initial Tangent Bearing Right-of-Way
TB	Telephone Access Box (mounted)	(M)	Monumented
FO	 Underground Fiber Optic Line Underground Fiber Optic Line Marker 	(m) (D)	Measured Deeded
F	Fiber Optic Pedestal	(D) (P)	Platted
Ē	Fiber Optic Manhole	(C)	Calculated
(F)V	Fiber Optic Vault (underground) Fiber Optic Pedestal on top of Vault	(CR) (CM)	Calculated from Record Dimensions Calculated from Found Monuments
	. i.sc. optic i caestal on top of vault	(CM) (PR)	Proportioned
[36']	Traffic Signal Post w/ Mast Arm	BK.	Book
•	Pedestrian Signal Pole Traffic Control Manhole	PG. DOC.	Page Document Number
TC	Traffic Control Cabinet	INS.	Instrument Number
CV	Traffic Control Vault (underground)	VOL.	Volume
UGTV	Underground Cable TV Line	ESMT. B/L	Easement Building Setback Line
SPC	- Underground Spectrum Line (e.g.)	U/E	Utility Easement
	Underground Cable TV Marker	D/E	Drainage Easement
<u>/TV\</u>	Cable TV Pedestal (above ground)	ST/E S/E	Storm Sewer Easement Sanitary Sewer Easement
(Manhole-Unknown Purpose	IE/E	Ingress/Egress Easement
	Grease Trap Access Lid	TC/E	Temporary Construction Easement
_ _{мw О_{вн}}	Monitoring Well Bore Hole	SQ. FT. AC	Square Feet Acres
⊗	Fill Lid (for Underground Tank)	CY	Cubic Yard
SAN ————————————————————————————————————	Sanitary Sewer Line Sanitary Sewer Service Line	LF CO	Linear Feet
ss ⑤	 Sanitary Sewer Service Line Sanitary Sewer Manhole 	CO. L/S	Company Landscaping (Bushes, Trees, Flowers,
•	Clean-out		Border, Mulch, any or all of them)
VCP	Vitrified Clay Pipe	ASPH CONC	Asphalt Concrete
DIP PVC	Ductile Iron Pipe Polyvinyl Chloride Pipe	COR	Concrete
CIP	Cast Iron Pipe	R.WALL	Retaining Wall
\117	Underground Utility Line Marker	STA.	Station Left
<u> </u>	Underground Utility Line Marker — Metal Guard Rail or Handrail	Lt Rt	Left Right
~	Flag Pole	PI	Point of Intersection
⊘ ⊕	Satellite Dish Mailbox	PC PT	Point of Curve Point of Tangent
•	Malibox Concrete or Metal Bollard	-√-	Not To Scale
0	Wood Bollard or Wood Post	NTS	Not To Scale

LEGAL DESCRIPTION

LOT 4C, STROTHER CROSSING, LOTS 4A-4C, A SUBDIVISION IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, ACCORDING TO THE RECORDED PLAT THEREOF.

OIL/GAS WELL LOCATION NOTE

PER MO DNR ARC GIS SYSTEM NO OIL/GAS WELLS ARE ON THE SUBJECT PROPERTY.

GRADING NOTES

- 1. Contractor shall obtain a copy of the <u>Geotechnical Services Report</u> for the project and be familiar with the existing conditions and recommendations contained in the report if such a report has been prepared.
- 2. Contractor is responsible for any over excavation of existing unsuitable soils that will be required under building and pavement areas. Contractor shall perform over excavation of unsuitable soils as a part of this work.
- Contractor shall obtain soils suitable as structural fill from off-site sources. All borrow materials
 must be tested and approved by the Geotechnical Engineer prior to importing the soils to the
 project site.
- 4. Contractor shall operate under the terms and permits included in the Stormwater Pollution Prevention Plan (SWPPP) prepared for this project and permitted through the State of Missouri. Contractor shall employ a qualified person to conduct regular inspections of the site erosion control measures and document such inspections in the SWPPP document maintained by the Contractor.
- 5. All topsoil, vegetation, root structures, and deleterious materials shall be stripped from the ground surface prior to the placement of embankments. Contractor shall obtain the on-site geotechnical representative's acceptance of the existing ground surface materials and the proposed fill material prior to the placement of fill.
- 6. All proposed contour lines and spot elevations shown are finish ground elevations. Contractor shall account for pavement depths, building pads, topsoil, etc when grading the site.
- 7. All disturbed areas that are not to be paved (green spaces) shall be finish graded with a minimum of six inches of topsoil.
- 8. All excavation and embankments shall comply with the recommendations provided by the geotechnical engineer.
- 9. Prior to placing any concrete or asphalt pavement the contractor shall perform a proof roll of the pavement sub-grade with a fully loaded tandem axle dump truck. The proof roll shall be conducted in the presence of the on-site geotechnical representative. Areas that display rutting or pumping that are unsatisfactory to the geotechnical representative shall be re-worked and a follow-up proof roll shall be conducted prior to acceptance of the sub-grade for paving. The contractor may, at its own expense, stabilize the sub-grade using Class C fly ash or quicklime, as approved by the geotechnical engineer.
- 10. Finished grades shall not be steeper than 3:1.
- 11. All grading work shall be considered unclassified. No additional payments shall be made for rock excavation. Contractor shall satisfy himself as to any rock excavation required to accomplish the improvements shown hereon.
- 12. A 2.0% maximum cross slope shall be maintained on all pedestrian sidewalks and paths.

FLOOD STATEMENT

The subject property lies within Flood Zone "X" (unshaded) (Areas determined to be outside the 0.2% annual chance floodplain.), as shown on the Jackson County, Kansas and Incorporated Areas Flood Insurance Rate Map (F.I.R.M.).

Map Number: 29095C0430G Panel No: 417 of 625

Map Revised Date: January 20, 2017

NOTE: This statement is provided for informational purposes only and shall in no way constitute a basis for a flood certificate. No field work was performed to establish the boundaries of this zone. The information was derived by scaling the subject property on the above referenced map.

GENERAL NOTES

- All work in public easement and Right-of-Way shall be installed per the requirements and specifications of the City of Lee's Summit, Misouri.
- 2. All existing topographic, survey, and utility information shown was provided to BHC in the form of an Topographic Survey prepared by Olsson and dated January 31, 2022. BHC makes no guaranties as to the accuracy of the existing information shown hereon. Contractors shall satisfy themselves as to the existing conditions of the site and have all utilities located prior to commencing construction.
- 3. The Contractor shall be required to obtain all Federal, State, and Local permits required for this project prior to commencing construction.
- 4. Any work adjacent to or crossing existing streets requires proper traffic control devices. Traffic control devices shall be placed in accordance with the Manual of Uniform Traffic Control Devices (MUTCD).
- 5. The contractor shall be required to demolish, remove and dispose of all existing structures, pavements, and features as shown on the demolition plan to construct the improvements shown hereon. Any waste materials generated during construction shall be removed from the site by the Contractor and disposed of in accordance with all local, State, and Federal regulations governing such disposal.
- 6. The contractor shall prevent any trash, debris, or liquid wastes from being disposed of in sanitary sewers, storm sewers, or open drainage systems.
- 7. The Contractor shall be solely responsible to protect adjacent property, structures, and other improvements from damage during construction. In the event of damage to adjacent property, structures, or improvements, the contractor shall repair or replace such damage to the Owners's satisfaction at the Contractor's expense.
- 8. Contractors at the site shall be solely responsible for jobsite safety for all aspects of work shown hereon.
- 9. All work and materials used in the construction of the improvements shown hereon shall comply with all referenced standards, specifications, and plan notes.
- 10. All buildings are shown as a reference only. All buildings shall be located and constructed per the Architectural drawings prepared by others.
- 11. Contractor shall be responsible for contacting all utility companies for field locations of underground utilities affected by the contract. All existing utilities indicated on these plans are according to the best information available to the engineer; however, all utilities actually existing may not be shown. Utilities damaged through the negligence of the contractor to obtain the location of same shall be repaired or replaced at the expense of the contractor.
- 12. Coordinate with facility representative as to when construction activities may be performed to work with the operations of the facility.
- 13. Any and all hazards shall be properly identified and barricaded from access during all non-construction periods.
 - 14. All construction shall follow City of Lee's Summit's Design and Construction Manual.
 - 15. Third party inspection of the storm sewer is required, after inspection, provide documentation to the City of Lee's Summit, Missouri.
 - 16. Private Erosion & Sediment Control inspections are required in accordance with NPDES schedule and requirements.

 After inspections, provide the City of Lee's Summit, Missouri with reports and documentation.
 - 17. A Right-of-Way permit is required from the City of Lee's Summit, Missouri Public Works Department for any work within the public right-of-way.
 - 18. The contractor shall contract the City's Development Services Engineering Inspection to schedule a pre-construction meeting with an inspector prior to any land disturbance work at (816) 969-1200.

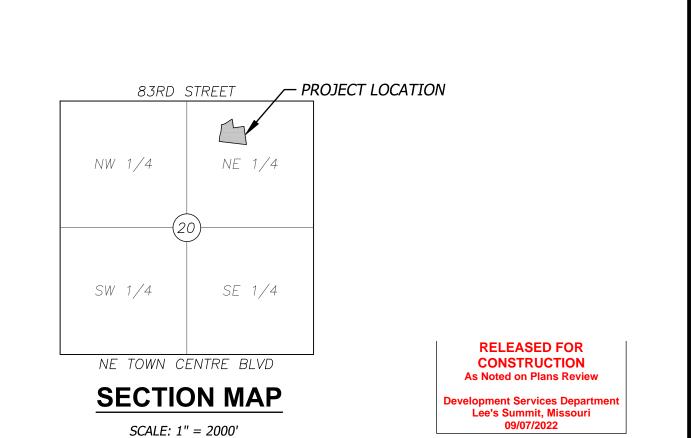
SECTION 20-T48N-R31W

LEE'S SUMMIT, MISSOURI

BENCHMARKS

OLSSON BENCHMARK
BENCHMARK NUMBER: 1536
ELEVATION= 979.78

LOCATED ON THE CURB INLET ON THE SOUTH SIDE OF THE STUB ROAD JUST NORTH OF THE NE INDEPENDENCE AVE & NE JONES INDUSTRIAL DRIVE INTERSECTION. BENCHMARK IS A SQUARE CUT IN THE SOUTH WEST CORNER OF THE BOX.



BHCR Project #: 033050

SLAGGIE ARCHITECTS, INC. © 2022

Kansas City, Missouri • Omaha, Nebraska
888-756-1958
slaggie.com

CIVIL ENGINEERING / SURVEYING / UTILITIES



tertainment Complex
D4 Holdings

ed

be

Revisions:

1 CITY COMMENTS 07/22/2022

Project #: 211107

Final
Development Plans

June 21, 2022

GENERAL INFORMATION

CO.

DH4 HOLDINGS, LLC 10624 EASTERN AVE, STE A-975 HENDERSON, NV 89052

OLSSON, MO CLS 366 JASON S. ROUDEBUSH, MO PLS 2002014092 JANUARY 13, 2022 JROUDEBUSH@OLSSON.COM

SHEET

1 of 2

GENERAL NOTES

- 1. Contractor shall verify the location, size, material and depth of all utilities prior to any excavation or construction activity.
- All materials shall be removed and disposed of off-site. It is the contractors responsibility to meet all applicable laws and regulations pertaining to the disposal of construction/demolition material.
- 3. The Contractor shall ensure that any structures to remain which are damaged during demolition operations shall be repaired to meet current code, at no additional cost to the owner.
- 4. The Contractor shall remove any and all existing debris which is encountered from the existing site. This shall include, but shall not be limited to, footings, concrete slabs, conduits, granular subgrade, utility services, and/or unsuitable structural fill material as determined by the owner's engineer. The cost for these removals shall be considered incidental to the project. Said debris shall become property of the contractor and it shall be the responsibility of the contractor to dispose of properly off-site.
- 5. It shall be the Contractor's responsibility to meet all applicable laws and regulations pertaining to the disposal of construction/demolition material.
- 6. The Contractor shall be responsible for obtaining and payment of any permits for demolition that pertain to this project.
- 7. All protection fencing shall be installed prior to demolition/construction activity. The Contractor shall provide a 6-foot security fence around the entire job site with locked gated access points, if required by the owner or the city.
- 8. All existing utilities removed during construction shall have their trenches backfilled with structural fill and be compacted to the requirements for structural fill.
- 9. All removals required to properly perform the work (whether shown on the plans or not) shall be performed by the Contractor at no additional cost to the owner.

DEMOLITION NOTES

- 01 REMOVE & DISPOSE OF EXISTING CONCRETE PAVEMENT.
- 02 REMOVE & DISPOSE OF EXISTING CURB.
- 03 REMOVE AND DISPOSE OF CONCRETE SIDEWALK.
- 04 SAW CUT EXISTING PAVEMENT TO FULL DEPTH AND CLEAN EDGE.
- 05 EXISTING CONCRETE STORM STRUCTURE; DO NOT DISTURB.

DEMOLITION LEGEND

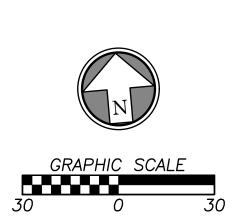
SAW CUT LINE

CONCRETE PAVEMENT TO BE REMOVED

CONCRETE SIDEWALK TO BE REMOVED

000		Points	
	PNT#	NORTHING	EASTING
	001	1019363.8084	2828634.4277
	002	1019338.7761	2828448.6746
	003	1019352.6509	2828446.8048
	004	1019350.6860	2828432.0359
	005	1019322.0598	2828435.9341
	006	1019349.0793	2828636.2455
	007	1019113.1829	2828164.4788
	008	1019106.8341	2828157.9213
	009	1019050.2132	2828150.5795
	010	1019050.8230	2828145.7202

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review
evelopment Services Department
Lee's Summit, Missouri
09/07/2022



BHCR Project #: 033050

SLAGGIE ARCHITECTS, INC. © 2022

Kansas City, Missouri • Omaha, Nebraska
888-756-1958
slaggie.com



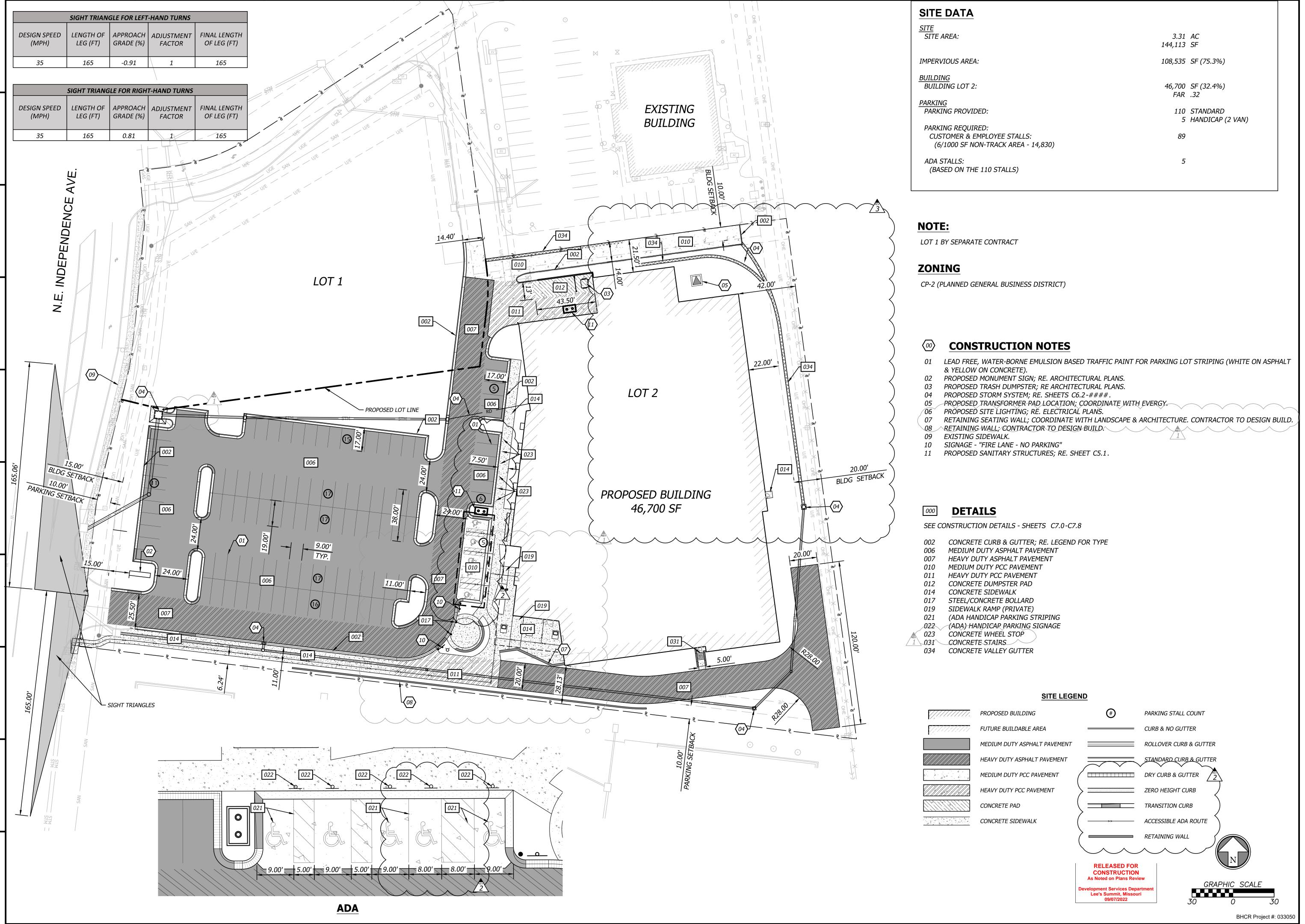


Entertainment Comple

#	Revisions:	
		07/22/202
Project #	<u>:</u>	21110
·	Final	

Final
Development Plans
June 21, 2022

DEMOLITION PLAN







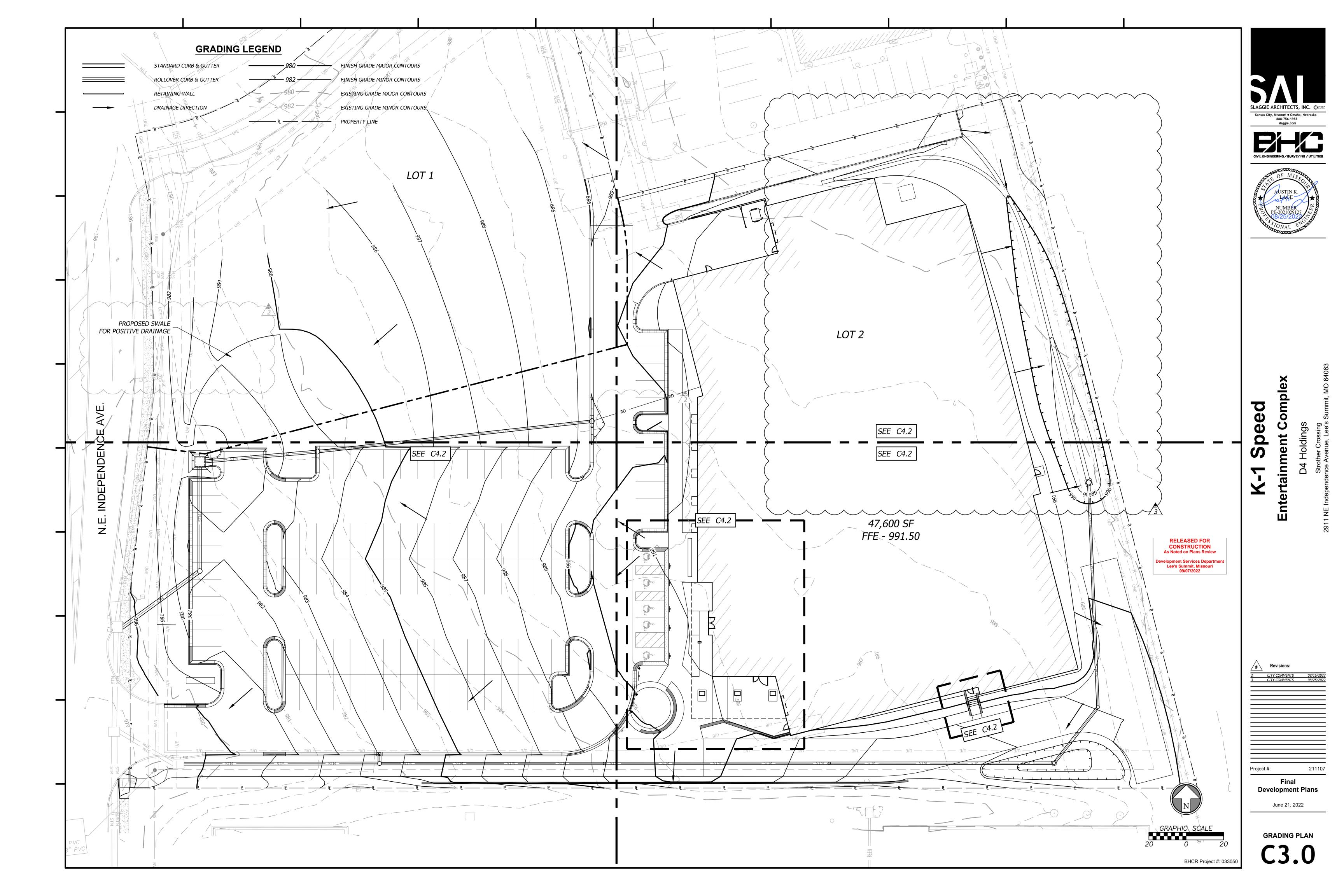


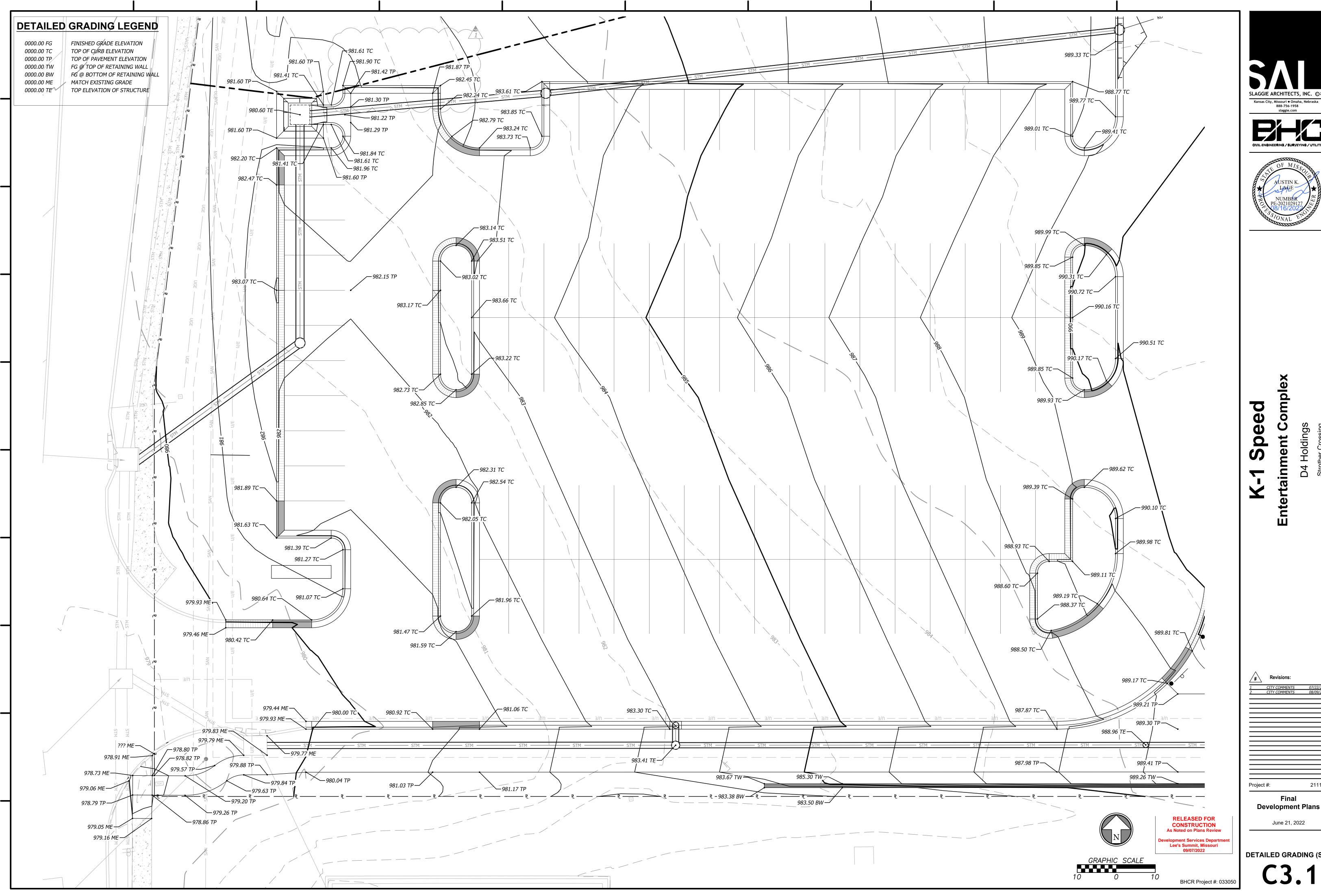
Project #:

Final **Development Plans**

June 21, 2022

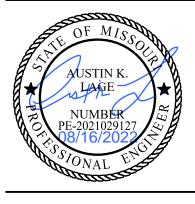
SITE PLAN









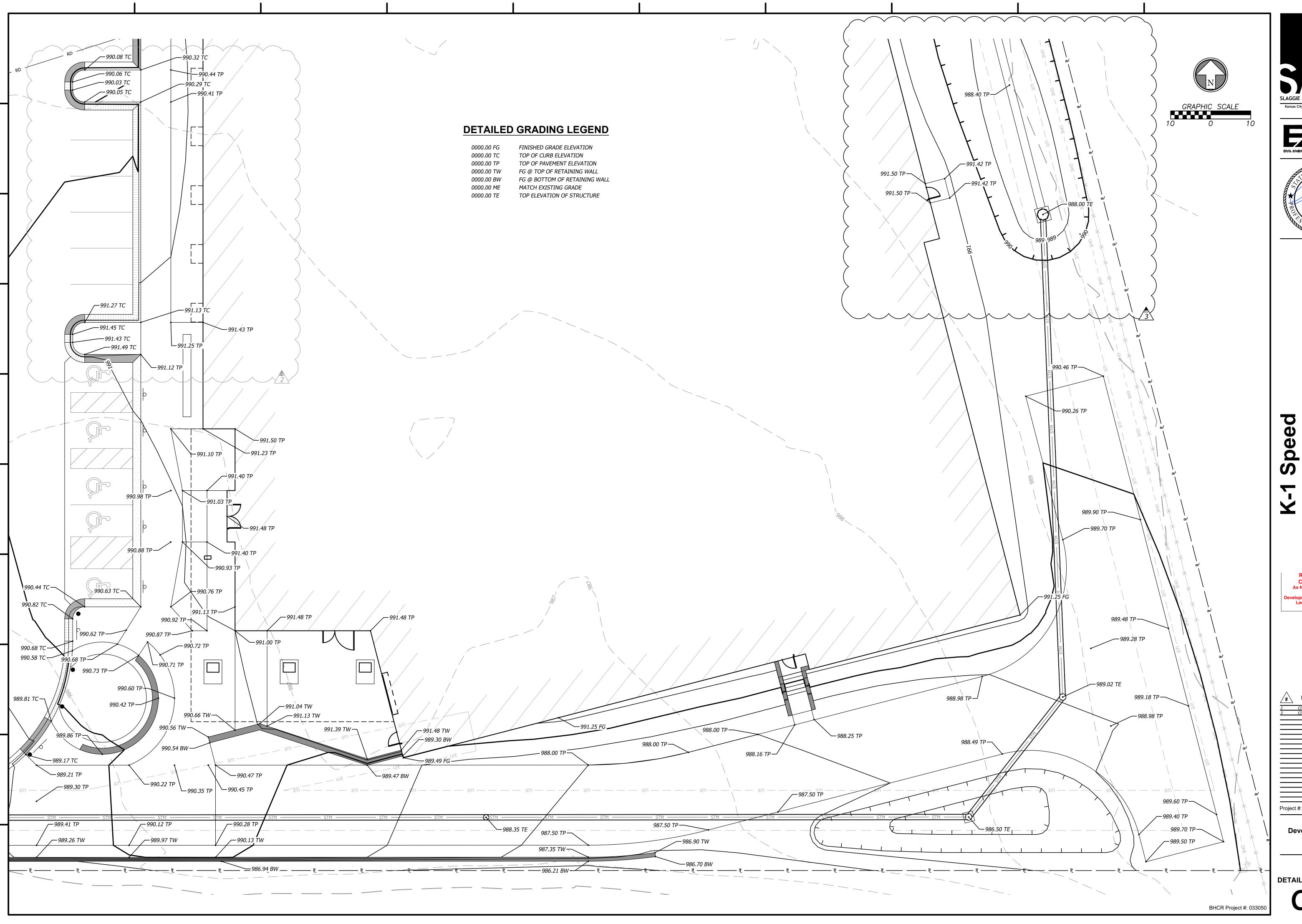




Project #: Final

DETAILED GRADING (SW)

June 21, 2022









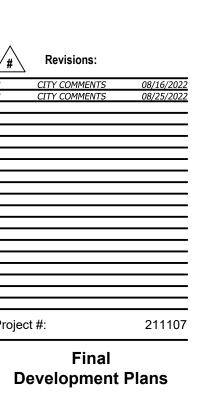


Entertainment Complex

D4 Holdings

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review

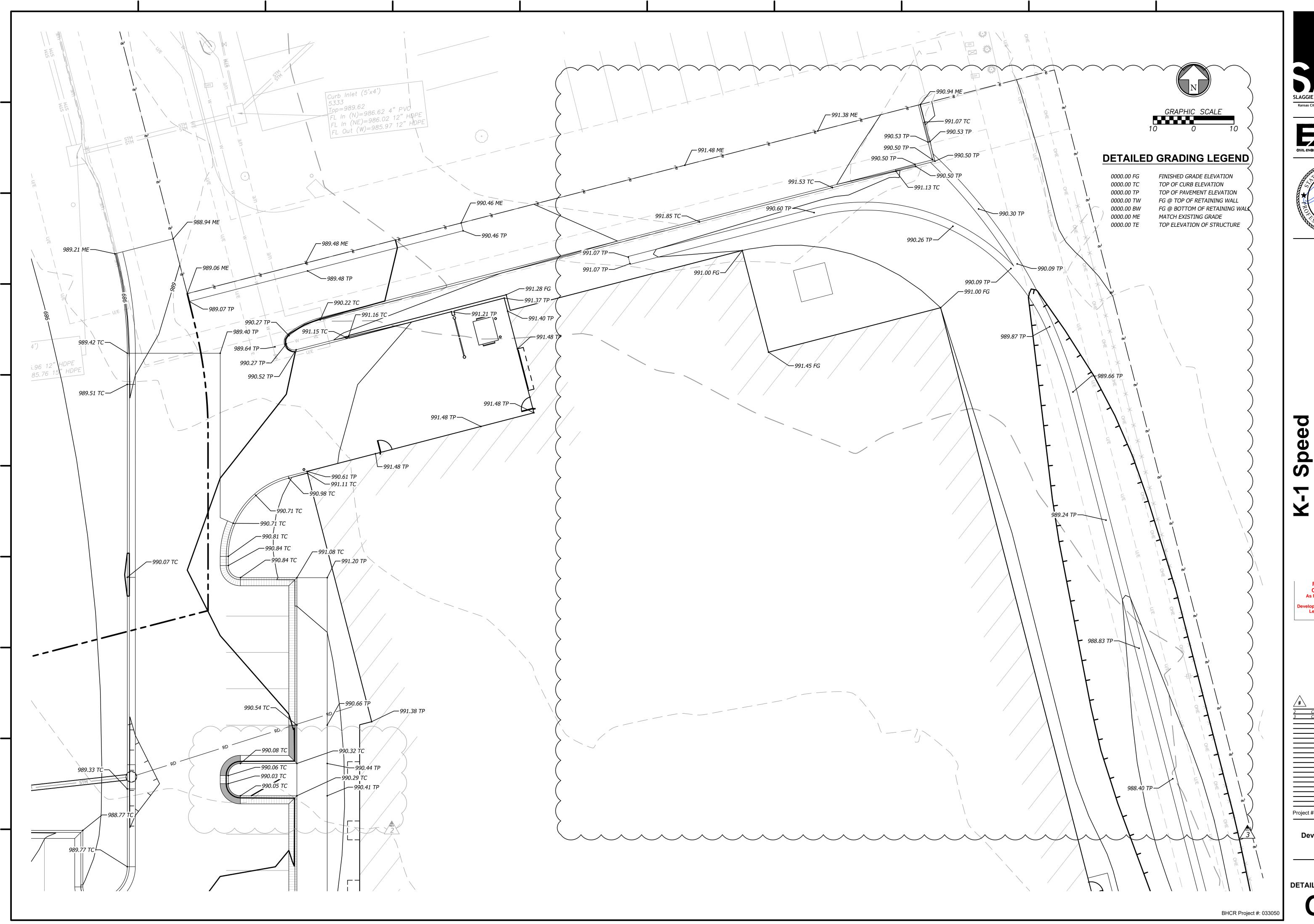
Development Services Department
Lee's Summit, Missouri
09/07/2022



DETAILED GRADING (SE)

June 21, 2022

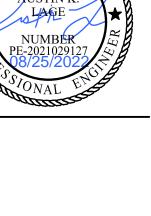
C3.2





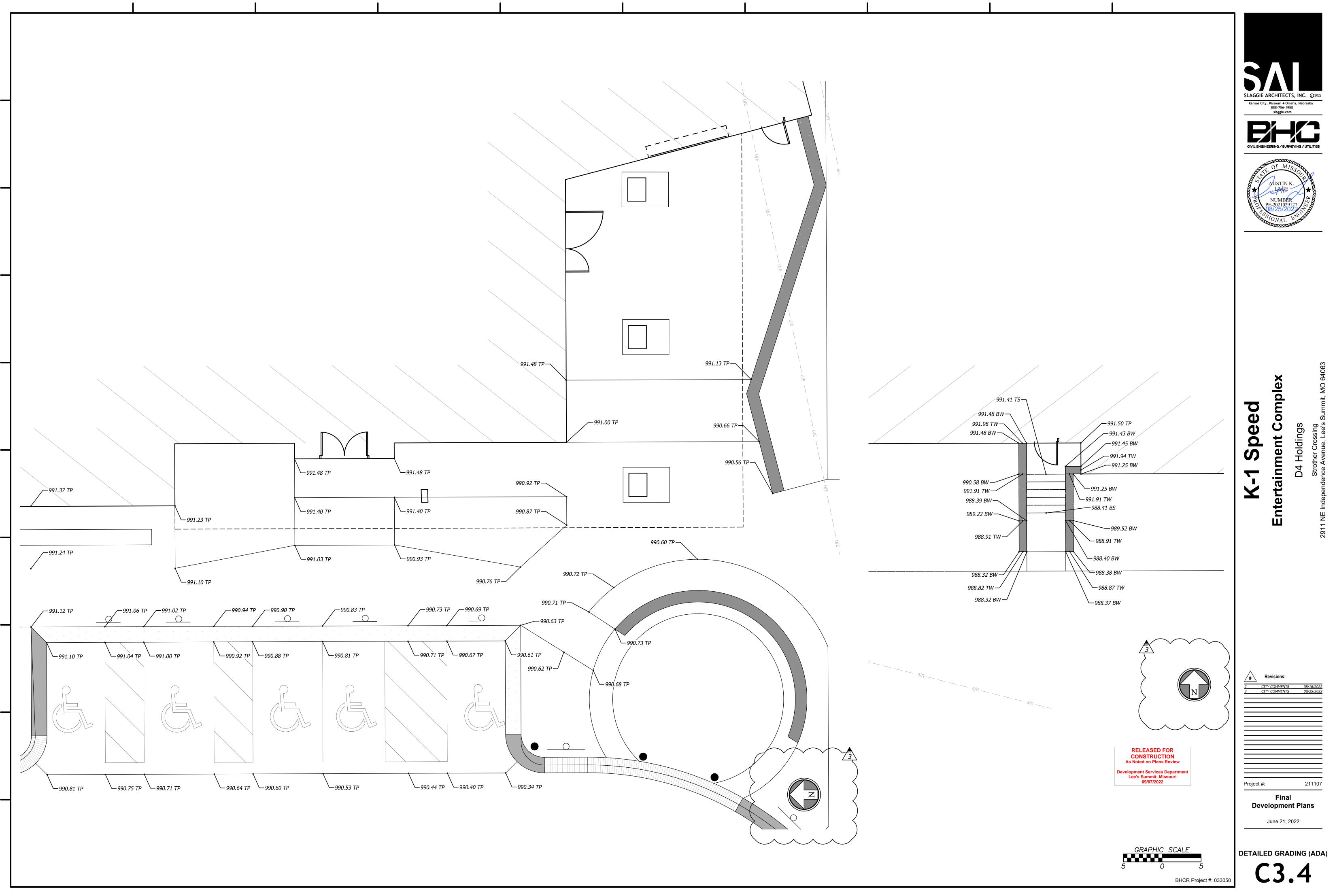






RELEASED FOR CONSTRUCTION As Noted on Plans Review

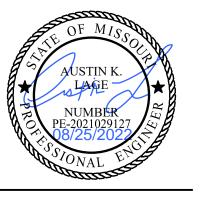
Revisions:	
	08/16/2022
CITY COMMENTS	08/25/2022
et #:	211107
Final	
evelopment P	lans
June 21, 2022	



SLAGGIE ARCHITECTS, INC. ©2022

Kansas City, Missouri ● Omaha, Nebraska
888-756-1958
slaggie.com





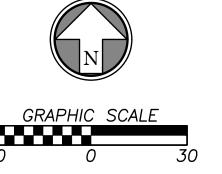
DETAILED GRADING (ADA)

EROSION AND SEDIMENT CONTROL GENERAL NOTES

- 1. Prior to Land Disturbance activities, the contractor shall:
 - Delineate the outer limits of any natural stream corridor designated with construction fencing.
- Install perimeter controls and request the inspection of the pre-construction erosion and sediment control measures designated on the approved erosion and sediment control plan. Land disturbance work shall not proceed until there is a satisfactory inspection.
- Identify the limits of construction on the ground with easily recognizable indications such as construction staking, construction fencing, and placement of physical barriers or other means acceptable to the City inspector and in conformance with the erosion and sediment control plan.
- 2. The contractor shall comply with all requirements of the Storm Water Pollution Prevention Plan, including but not limited to:The contractor shall seed, mulch, or otherwise stabilize any disturbed area where the land disturbance activity has
 - The contractor shall perform inspections of erosion and sediment control measures at the following minimum intervals: o During active construction phases at least once per week
 - o During periods of inactivity at least once per 14 days
 - o After each rainfall event of ½ inch or more within 24 hours of the rain event
 - The contractor shall maintain an inspection log including the inspector's name, date of inspection, observations as to the effectiveness of the erosion and sediment control measures, actions necessary to correct deficiencies, when the deficiencies were corrected, and the signature of the person performing the inspection. The inspection log shall be available for review by the regulatory authority.
 - The contractor shall have the erosion and sediment control plan routinely updated to show all changes and amendments to the plan. A copy of the erosion and sediment control plan shall be kept on site and made available for review by the regulatory authority.
- 3. Unless otherwise noted in the plans, all seeding must conform to Division Il-Construction and Materials Specification-Section 2150 published by the Kansas City Metropolitan Chapter of the American Public Works Association dated May 21, 2008. Permanent seeding shall be installed after completion of final grading except when seeding will occur outside of the acceptable seeding season as specified in Section 2150. When temporary seeding is installed, permanent seeding shall be installed at the next seeding season. Temporary seeding shall not be used as a stabilization measure for a period exceeding 12 months. The Permit will not be closed until permanent seeding has been established to a minimum of 70% density over the entire disturbed area.
- 4. The contractor shall maintain installed erosion and sediment control devices in a manner that preserves their effectiveness for preventing sediment from leaving the site or entering a sensitive area such as a natural stream corridor, areas of the site intended to be left undisturbed, a storm sewer, or an on-site drainage channel.
- 5. The contractor is responsible for providing erosion and sediment control for the duration of a project. If the City determines that the BMPs in place do not provide adequate erosion and sediment control at any time during the project, the contractor shall install additional or alternate measures that provide effective control.
- 6. Concrete wash or rinse water from concrete mixing equipment, tools and/or ready-mix trucks, tools, etc. may not be discharged into or be allowed to run directly into any existing water body or storm inlet. One or more locations for concrete wash out will be designated on site, such that discharges during concrete washout will be contained in a small area where waste concrete can solidify in place.
- 7. Chemicals or materials capable of causing pollution may only be stored onsite in their original container. Materials stored outside must be in closed and sealed water-proof containers and located outside of drainage ways or areas subject to flooding. Locks and other means to prevent or reduce vandalism shall be used. Spills will be reported as required by law and immediate actions taken to contain them.
- 8. Silt fences and erosion control BMPs which are shown along the back of curb must be installed within two weeks of curb backfill and prior to placement of base asphalt. Exact locations of these erosion control methods may be field adjusted to minimize conflicts with utility construction; however, anticipated disturbance by utility construction shall not delay installation.
- 9. Interior Silt Fence as necessary during construction. Portions may be limited as vegetation is established and hardscape is installed. Entire length may be installed at the contractor's option to aid in stabilizing slopes.
- 10. Private Erosion & Sediment Control inspections are required in accordance with NPDES schedule and requirements. After inspections, provide the City of Leewith reports and documentation.

EROS	ION & SEDIMEN	IT CONT	ROL STAGING (CHART
Phase	Project Stage	BMP Plan Ref. No.	BMP Description	Remove After Stage:
Phase I (PRE-CON)	A — Place BMP's Prior to Land Disturbance	01)	Perimeter Silt Fence	D
		02)	Construction Entrance & Staging Area	D
		03	Concrete Wash—Out	D
		04)	Existing Inlet Protection	D
Phase II (MID-CON)	B — After Utility Storm Sewer Construction	05)	Storm Inlet Protection	D
Phase III (POST–CON)	D — Final Grading, Paving & Landscaping	06)	Final Seeding, Sod, and Landscaping	N/A

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review
Development Services Departme
Lee's Summit, Missouri
09/07/2022









Entertainment Complex

D4 Holdings

Revisions:

1 CITY COMMENTS 07/22/202.

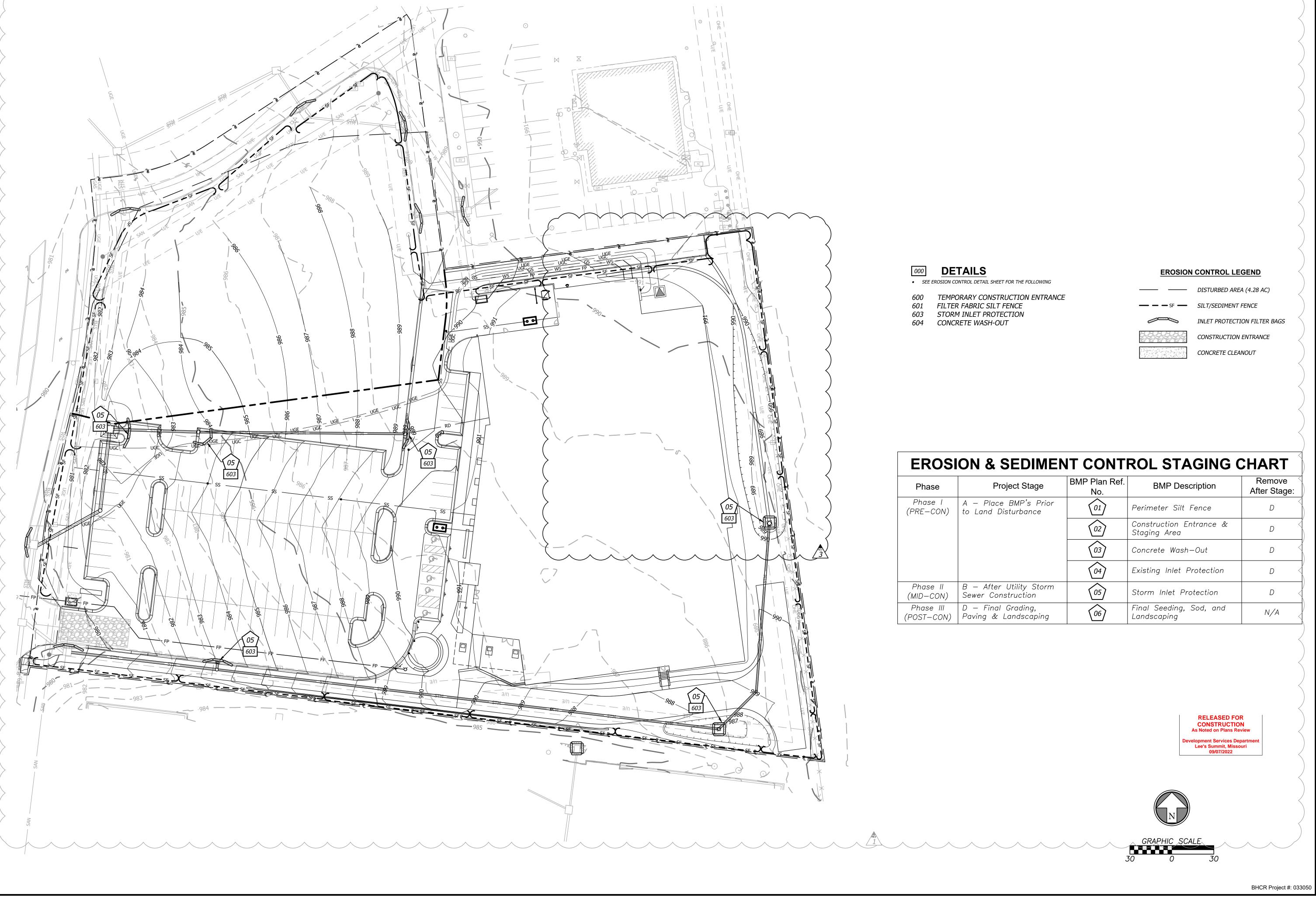
Project #: 21110

Final Development Plans

June 21, 2022

PRE-CONSTRUCTION EROSION CONTROL PLAN

C4.0



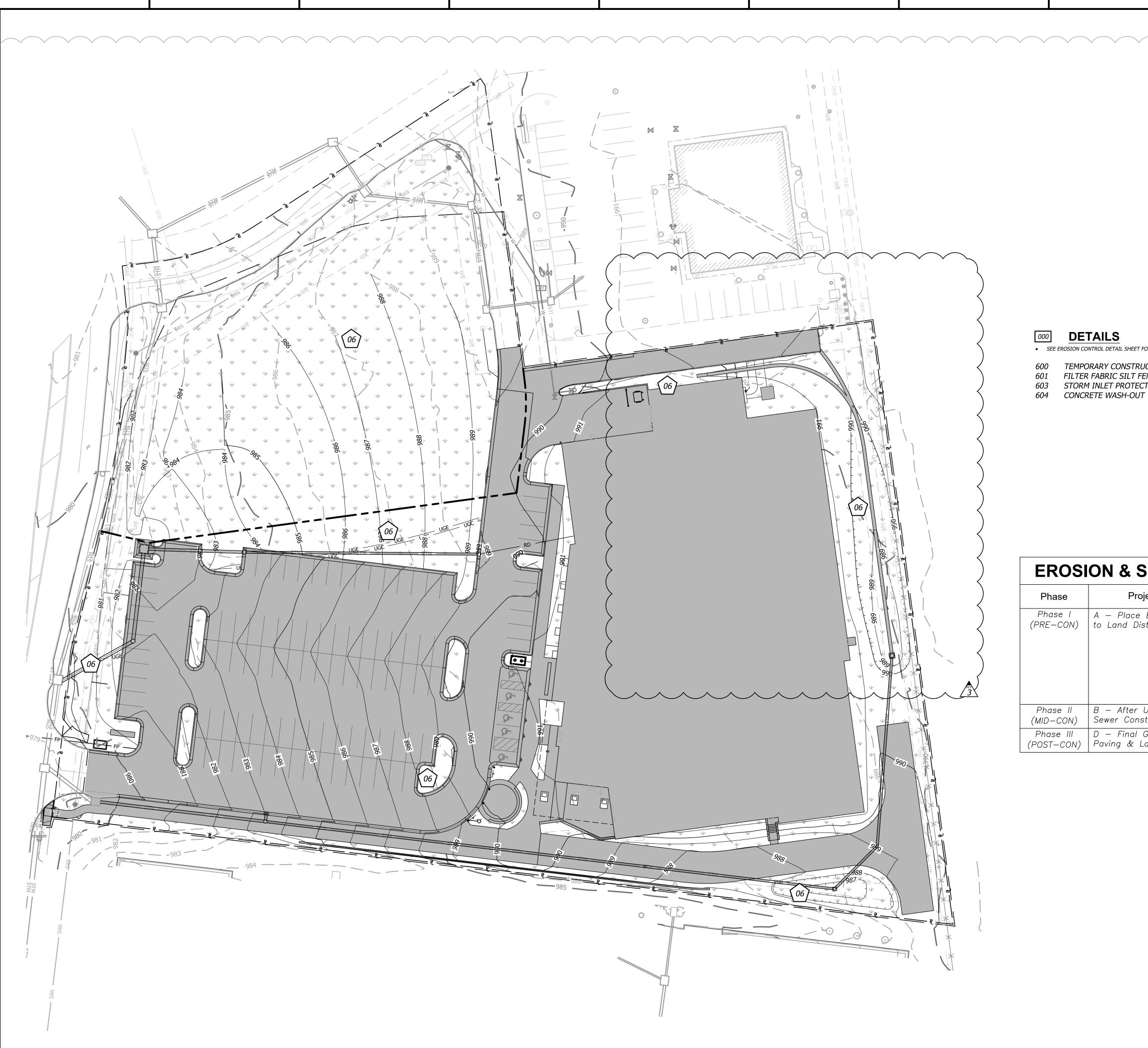






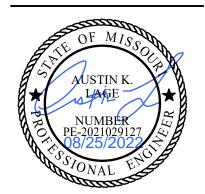
Project #: **Development Plans** June 21, 2022

MID-CONSTRUCTION **EROSION CONTROL PLAN**









DETAILS

SEE EROSION CONTROL DETAIL SHEET FOR THE FOLLOWING

600 TEMPORARY CONSTRUCTION ENTRANCE 601 FILTER FABRIC SILT FENCE 603 STORM INLET PROTECTION

—— DISTURBED AREA (4.28 AC) FINAL SEEDING (SOD &/OR LANDSCAPING)

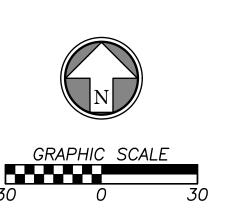
EROSION CONTROL LEGEND

PROP. IMPERVIOUS AREA (2.53 AC)

EROSION & SEDIMENT CONTROL STAGING CHART

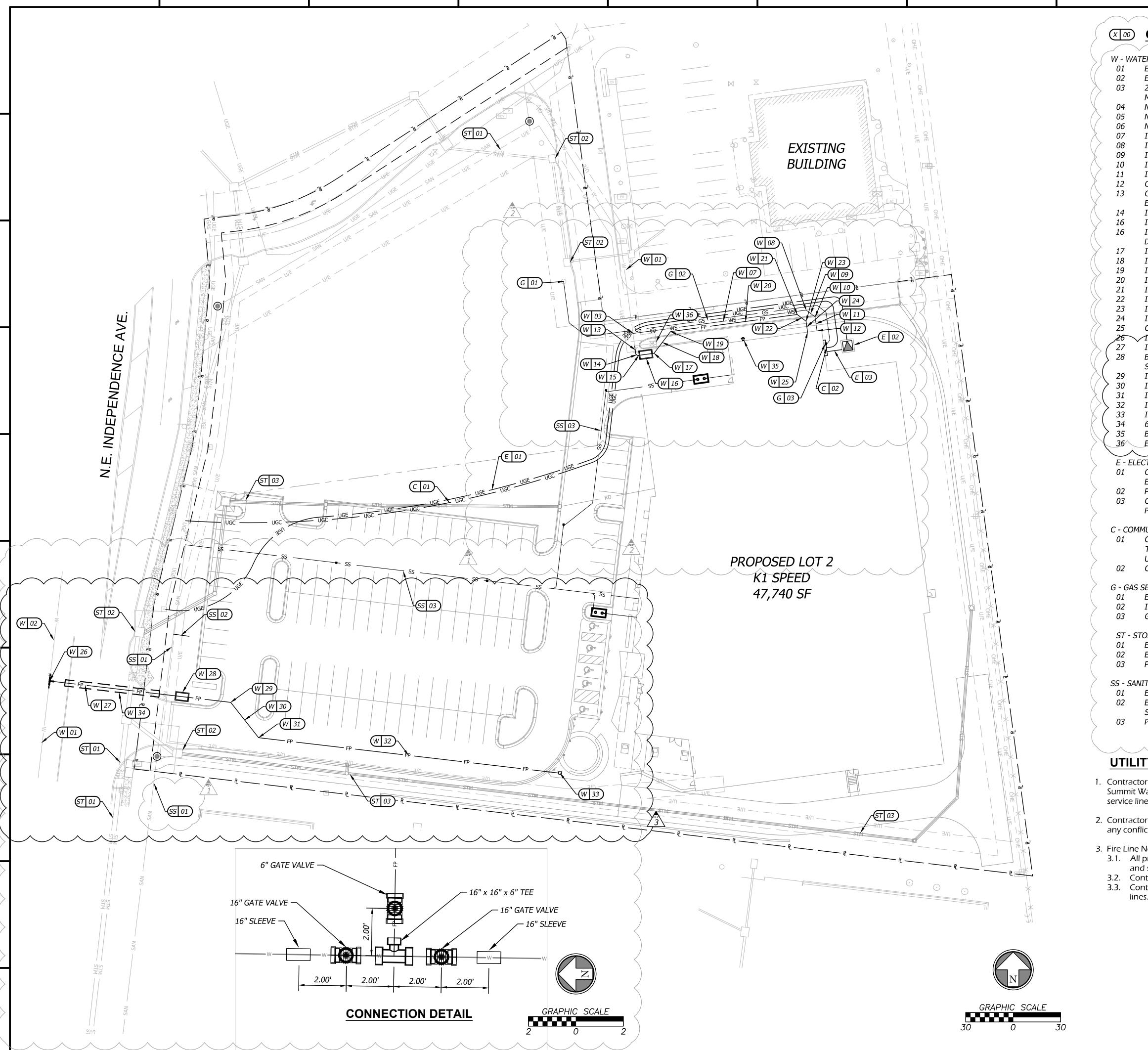
Phase	Project Stage	BMP Plan Ref. No.	BMP Description	Remove After Stage:
Phase I (PRE-CON)	A — Place BMP's Prior to Land Disturbance	01)	Perimeter Silt Fence	D
		02)	Construction Entrance & Staging Area	D
		03)	Concrete Wash—Out	D
		04)	Existing Inlet Protection	D
Phase II (MID-CON)	B — After Utility Storm Sewer Construction	05)	Storm Inlet Protection	D
Phase III (POST-CON)	D — Final Grading, Paving & Landscaping	06)	Final Seeding, Sod, and Landscaping	N/A

RELEASED FOR CONSTRUCTION As Noted on Plans Review evelopment Services Departm Lee's Summit, Missouri 09/07/2022



Project #: Final **Development Plans** June 21, 2022

POST-CONSTRUCTION EROSION CONTROL PLAN





W - WATER SERVICE INFORMATION - CITY OF LEE'S SUMMIT

- EXISTING 6" WATER MAIN LINE, CONTRACTOR TO VERIFY LOCATION AND DEPTH.
- EXISTING 16" WATER MAIN LINE, CONTRACTOR TO VERIFY LOCATION AND DEPTH.
- 2" TAPPING SLEEVE AND 2" TAPPING VALVE TO BE INSTALLED ON EXISTING 6" WATER
- MAIN. CONTRACTOR TO EXCAVATE TAP HOLE.
- NOT USED.
- NOT USED.
- NOT USED.
- INSTALL 110.5 LF OF 2.5" DOMESTIC WATER LINE. INSTALL 2.5" 45° BEND.
- INSTALL 7.0 LF OF 2.5" DOMESTIC WATER LINE.
- INSTALL 2.5" 45° BEND.
- INSTALL 9.0 LF OF 2.5" DOMESTIC WATER LINE.
- CONNECT DOMESTIC SERVICE LINE TO BUILDING PLUMBING; RE. PLUMBING PLANS. CONNECT 6" FIRE PROTECTION LINE & INSTALL 5.5 LF OF 6" FIRE PROTECTION LINE AT
- EXISTING WATER VALVE; COORDINATE WITH CITY OF LEE'S SUMMIT WATER DIVISION.
- INSTALL 2 x 6" 45° BEND WITH 1.0 LF SEPARATION BETWEEN BENDS.
- INSTALL 1.0 LF OF 6" FIRE PROTECTION LINE. INSTALL 8.5 LF OF 6" FIRE PROTECTION LINE & ONE BACKFLOW PREVENTION DEVICE; SEE
- DETAIL WAT-12 IN LEE'S SUMMIT WATER MAIN STANDARD DETAILS.
- INSTALL 6" 45° BEND.
- INSTALL 17.0 LF OF 6" FIRE PROTECTION LINE.
- INSTALL 6" 45° BEND. INSTALL 81.0 LF OF 6" FIRE PROTECTION LINE.
- INSTALL 6" 45° BEND.
- INSTALL 7.0 LF OF 6" FIRE PROTECTION LINE.
- INSTALL 6" 45° BEND. INSTALL 7.0 LF OF 6" FIRE PROTECTION LINE.
- CONNECT FIRE PROTECTION LINE TO BUILDING PLUMBING; RE. PLUMBING PLANS.
- 26 INSTALL 16"X16"X6" TEE, SEE CONNECTION DETAIL INSTALL 115.5 LF OF 6" FIRE PROTECTION LINE.
- BACKFLOW PREVENTION DEVICE; SEE DETAIL WAT-12 IN LEE'S SUMMIT WATER MAIN STANDARD DETAILS.
- INSTALL 6" 45° BEND.
- INSTALL 28.5 LF OF 6" FIRE PROTECTION LINE.
- INSTALL 6" 45° BEND.
- INSTALL 189.5 LF OF 6" FIRE PROTECTION LINE.
- INSTALL FIRE HYDRANT.
- 60.0 LF BORING FOR PROPOSED 6" LINE.
- BUILDING MOUNTED FDC.
- 36 EXISTING FIRE HYDRANT; DO NOT DISTURB

E - ELECTRIC SERVICE INFORMATION - EVERGY

- CONTRACTOR TO INSTALL PRIMARY UNDERGROUND ELECTRIC SERVICE FROM EXISTING ELECTRIC STRUCTURE TO TRANSFORMER PAD.
- PROPOSED TRANSFORMER PAD.
- CONTRACTOR TO INSTALL SECONDARY UNDERGROUND ELECTRIC SERVICE LINE FROM
 - PROPOSED TRANSFORMER TO BUILDING

C - COMMUNICATION SERVICE INFORMATION - AT&T

- CONTRACTOR TO INSTALL COMMUNICATION CONDUIT W/ PULL WIRE FROM THE BUILDING TO THE CONNECTION AT COMMUNICATION BOX; COORDINATE W/ COMMUNICATION UTILITY PROVIDER.
- CONNECT COMMUNICATIONS CONDUITS TO BUILDING; REFER TO: ELECTRICAL PLAN.

G - GAS SERVICE INFORMATION - MISSOURI GAS ENERGY

- 01 EXISTING GAS STRUCTURE.
- INSTALL 215 LF GAS SERVICE LINE.
- GAS CONNECTION TO BLDG.
- ST STORM SEWER INFORMATION CITY OF LEE'S SUMMIT
- 01 EXISTING STORM SEWER LINE.
- EXISTING CURB INLET.
- PROPOSED STORM SEWER; RE. SHEETS C6.1-####.

SS - SANITARY SEWER INFORMATION - CITY OF LEE'S SUMMIT

- EXISTING SANITARY SEWER MAIN.
- EXISTING SANITARY SEWER SERVICE STUB TO BE ABANDONED BACK TO MAIN PER LEE'S SUMMIT SANITARY STANDARDS.

03 PROPOSED SANITARY SERVICE; RE. SHEET C5.1.

UTILITY NOTES

- 1. Contractor shall refer to all specifications, guidelines, and installation drawings from City of Lee's Summit Water, Stormwater, Sanitary; Missouri Gas Energy, AT&T, & Evergy for the installation of all service lines.
- 2. Contractor to ensure 6" minimum separation between utilities at crossings. Contractor to call civil if any conflicts between utilities are found.

3. Fire Line Notes:

- 3.1. All private fire lines shall be installed in accordance with NFPA 24, and other applicable codes
- 3.2. Contact the fire department to schedule inspections prior to private fire lines being backfilled.
- 3.3. Contact the fire department to witness scheduled hydrostatic tests and flushes of private fire

RELEASED FOR CONSTRUCTION As Noted on Plans Review

Lee's Summit, Missouri 09/07/2022

BHCR Project #: 033050

Kansas City, Missouri ● Omaha, Nebraska 888-756-1958 slaggie.com



Project #:

Final **Development Plans**

June 21, 2022

UTILITY PLAN

CONSTRUCTION NOTES

- W WATER SERVICE INFORMATION CITY OF LEE'S SUMMIT
- WATER SERVICE LINE; RE. C5.0. FIRE PROTECTION LINE; RE. C5.0.
- E ELECTRIC SERVICE INFORMATION EVERGY
- 01 ELECTRICAL SERVICE LINE; RE. C5.0.
- C COMMUNICATION SERVICE INFORMATION AT&T 01 COMMUNICATION SERVICE LINE; RE. C5.0.
- G GAS SERVICE INFORMATION MISSOURI GAS ENERGY
- 01 GAS SERVICE LINE; RE. C5.0.
- ST STORM SEWER INFORMATION CITY OF LEE'S SUMMIT 01 PROPOSED STORM SEWER; RE. SHEETS C6.1-C6.7.
- SS SANITARY SEWER INFORMATION CITY OF LEE'S SUMMIT
- VEXISTING 12" SDR√26 SAMITARY/SEWER MAIN.
- CONNECT SANITARY SERVICE TO EXISTING MAIN WITH A 12"x6" CUT-IN WYE PER LEE'S SUMMIT

 - INSTALL 7.0 LF 6" SDR-26 SANITARY PIPE RISER @ 100.00% SLOP
- INSTALL 6" VERTICAL 45° BEND.
- FL 977.02
- INSTALL 229.3 LF 6" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- INSTALL 6"x6"x4" 45° WYE.
- INSTALL 10.0 LF LF 6" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- INSTALL 6" VERTICAL 45° BEND.
- INSTALL 4.2 LF 6" SDR-26 SANITARY PIPE RISER @ 100.00% SLOPE.
- INSTALL 6" VERTICAL 45° BEND.
- FL 984.81
- INSTALL 11.9 LF 6" SDR-26 SANITARY PIPE @ 2.90% SLOPE.
- INSTALL 6"x6"x4" 45° WYE.
- INSTALL 29.4 LF 6" SDR-26 SANITARY PIPE @ 2.90% SLOPE.
- CONNECT TO BUILDING; RE. PLUMBING PLANS.
- INSTALL 2.1 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- INSTALL 4" 45° BEND.
- INSTALL 38.5 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- INSTALL 4"x4"x4" 45° WYE.
- FL 982.42
- INSTALL 22.6 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- INSTALL 4" 45° BEND.
- FL 982.87
- INSTALL 72.1 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- INSTALL ONE 4"x4"x4" 60° WYE & ONE 4" 15° BEND WITH 1.0 LF BETWEEN BENDS.
 - INSTALL 56.4 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- INSTALL 1,500 GALLON SAND/OIL INTERCEPTOR; RE. PLUMBING PLANS.
- TOP OF STRUCTURE=991.44 FL IN (E)=985.69
- 25 INSTALL 15.5 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- CONNECT TO BUILDING; RE. PLUMBING PLANS.
- INSTALL 2.1 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- INSTALL 4" 45° BEND.
- FL 985.19
- INSTALL 8.0 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- INSTALL 1,500 GALLON GREASE INTERCEPTOR; RE. PLUMBING PLANS.
- TOP OF STRUCTURE=991.33
- FL OUT (N)=985.35
- INSTALL 19.8 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE.
- CONNECT TO BUILDING; RE. PLUMBING PLANS. FL 986.00
- INSTALL CLEANOUT; RE. DETAIL ON SHEET C7.3.
- FL 978.84
- FG 988.07
- INSTALL MINIMUM 1.0 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE & CLEANOUT; RE. DETAIL ON SHEET C7.3.
- INSTALL MINIMUM 1.0 LF 4" SDR-26 SANITARY PIPE @ 2.00% SLOPE & CLEANOUT; RE. DETAIL ON SHEET C7.3.
- FG 989.91
- EXISTING SANITARY SEWER SERVICE STUB TO BE ABANDONED BACK TO MAIN PER LEE'S SUMMIT SANITARY STANDARDS.

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

BHCR Project #: 033050

Kansas City, Missouri ● Omaha, Nebraska 888-756-1958 slaggie.com





<u>۵</u>

Project #:

Final **Development Plans**

June 21, 2022

SANITARY PLAN







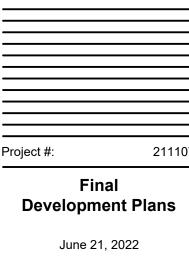


mplex

Entertainment Compl

Revisions:

2 CITY COMMENTS 08/16/202



EXISTING DRAINAGE MAP

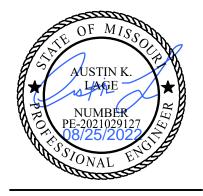
C6.0



SLAGGIE ARCHITECTS, INC. © 2022

Kansas City, Missouri • Omaha, Nebraska
888-756-1958



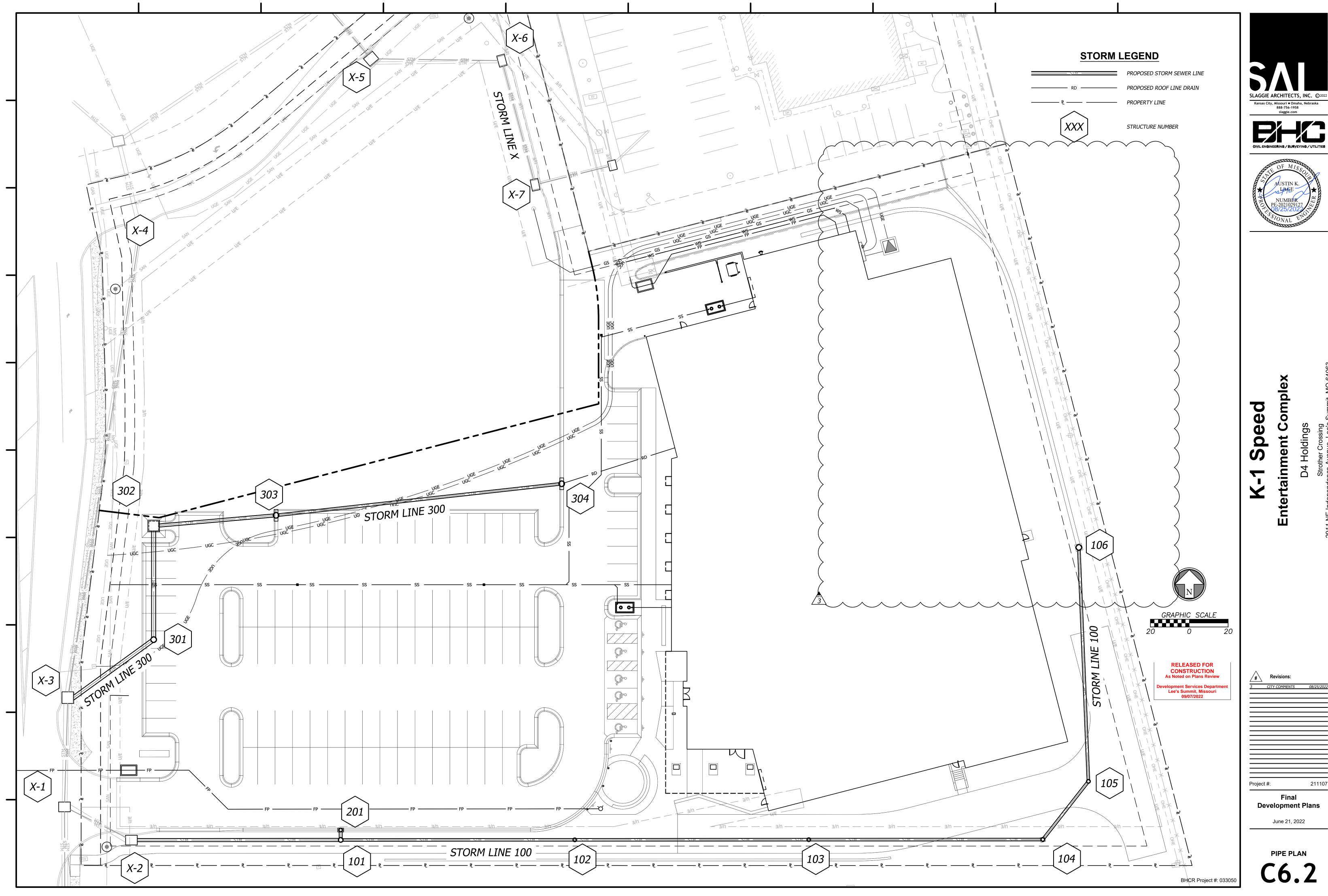


Entertainment Complex

June 21, 2022

Final Development Plans

PROPOSED DRAINAGE MAP



lunoff Calculations -	10	- Year	Storm E	vent											Pipe Properties											
			Cumul.				Runoff				Up	Up	Up									Drop				
Inlet	Area	"C"	Area	Cumul.			То	Cumul.	Pipe	Pipe	Piped	Piped	Area	Up	Up	Down	Pipe	"n"	Pipe		Slope	In			Inlet	HGL
#	(acres)	Value	(acres)	CxA	Тс	Intensity	Inlet	Runoff	Сар.	Vel.	Inlets	Inlets	(acres)	CxA	Inlet	Inlet	Туре	Value	Size	Length	%	Inlet	FL Up	FL Down	Тор	Elev.
INE 100																									DS TAILWATER @ STR #X-1	FREE
X-2	0.40	0.87	1.10	0.74	7.1	6.83	2.38	5.08	35.09	11.17			0.00	0.00	X-2	X-1	HDPE	0.012	24	38.47	2.05	0.50	975.61	974.82	979.76	976.55
101	0.00	0.00	0.70	0.40	6.8	6.90	0.00	2.73	11.38	6.44	201		0.22	0.18	101	X-2	HDPE	0.012	18	107.71	1.00	0.50	977.19	976.11	983.42	977.93
102	0.00	0.00	0.48	0.21	6.5	6.98	0.00	1.47	7.82	6.38			0.00	0.00	102	101	HDPE	0.012	15	120.46	1.25	0.20	979.19	977.69	988.96	979.76
103	0.00	0.00	0.48	0.21	6.2	7.05	0.00	1.49	7.82	6.38			0.00	0.00	103	102	HDPE	0.012	15	120.46	1.25	0.20	980.90	979.39	988.39	981.4
104	0.20	0.58	0.48	0.21	5.8	7.13	0.83	1.51	7.82	6.38			0.00	0.00	104	103	HDPE	0.012	15	120.46	1.25	0.50	982.60	981.10	986.50	983.1
105	0.00	0.00	0.28	0.10	5.7	7.15	0.00	0.68	7.86	6.40			0.00	0.00	105	104	HDPE	0.012	15	38.06	1.26	0.50	983.58	983.10	989.03	983.9
106	0.28	0.34	0.28	0.10	5.4	7.24	0.69	0.69	7.03	5.73			0.00	0.00	106	105	HDPE	0.012	15	120.53	1.01	0.50	985.30	984.08	988.00	985.6
INE 200																			I	Drop in In	let 101	0.50				
201	0.22	0.84	0.22	0.18	5.0	6.83	1.26	1.26	15.89	8.99			0.00	0.00	201	101	HDPE	0.012	18	5.12	1.95	N/A	977.79	977.69	983.01	978.2
INE 300																									DS TAILWATER @ STR #X-3	FREE
301	0.00	0.00	1.94	1.62	5.5	6.83	0.00	11.09	29.10	9.26			0.00	0.00		X-3	HDPE	0.012	24	53.34	1.41	0.50	975.95	975.20	982.12	977.4
302	0.51	0.81	1.94	1.62	5.4	6.90	2.85	11.20	28.16	8.96			0.00	0.00		301	HDPE	0.012	24	58.50	1.32	0.50	977.22	976.45	980.60	978.6
303	0.24	0.63	1.43	1.21	5.3	6.98	1.05	8.44	18.38	10.40			0.00	0.00		302	HDPE	0.012	18	63.24	2.61	0.25	979.37	977.72	983.11	980.7
304	1.19	0.89	1.19	1.06	5.0	7.05	7.47	7.47	12.04	9.81			0.00	0.00	304	303	HDPE	0.012	15	147.90	2.96	N/A	984.00	979.62	988.79	985.4
INE X																									DS TAILWATER @ STR #X-5	FREE
X-6	0.05	0.77	0.89	0.69	5.2	6.83	0.26	4.74	6.89	5.62			0.00	0.00		X-5	HDPE	0.012	15	67.31	0.97	0.20	985.01	984.36	988.51	986.1
X-7	0.84	0.78	0.84	0.66	5.0	6.90	4.52	4.52	6.38	5.20			0.00	0.00	X-7	X-6	HDPE	0.012	15	66.15	0.83	N/A	985.76	985.21	989.06	986.82

D	0.5		01 5									I			In: n c										T.	
Runoff Calculations -	25	- Year	Storm E Cumul.	vent			Runoff				Lln	Lln	Lln		Pipe Properties							Dron				
Inlot	Aroo	"C"		Cumu	ı			Cumul	Pipe	Dino	Up	Up	Up	l le	Lin	Down	Dino	"n"	Pipe		Clana	Drop			Inlet	ЦСІ
Inlet	Area		Area			lete esite	To	Cumul.	1	Pipe	Piped	Piped	Area	Up	Up	Down	Pipe			l amarth	Slope	ln Indet	El IIa	El Daves		HGL
#	(acres)	Value	(acres)	CxA	Тс	Intensity	Inlet	Runoff	Сар.	Vel.	Inlets	Inlets	(acres)	CxA	Inlet	Inlet	Туре	Value	Size	Length	%	Inlet	FL Up	FL Down	Тор	Elev.
LINE 100																									DS TAILWATER @ STR #X-1	FREE
X-2	0.40	0.87	1.10	0.74	7.1	7.92	3.03	6.49	35.09	11.17			0.00	0.00	X-2	X-1	HDPE	0.012	24	38.47	2.05	0.50	975.61	974.82	979.76	976.68
101	0.00	0.00	0.70	0.40	6.8	8.00	0.00	3.48	11.38	6.44	201		0.22	0.18	101	X-2	HDPE	0.012	18	107.71	1.00	0.50	977.19	976.11	983.42	978.04
102	0.00	0.00	0.48	0.21	6.5	8.08	0.00	1.88	7.82	6.38			0.00	0.00	102	101	HDPE	0.012	15	120.46	1.25	0.20	979.19	977.69	988.96	979.84
103	0.00	0.00	0.48	0.21	6.2	8.16	0.00	1.90	7.82	6.38			0.00	0.00	103	102	HDPE	0.012	15	120.46	1.25	0.20	980.90	979.39	988.39	981.55
104	0.20	0.58	0.48	0.21	5.8	8.24	1.05	1.91	7.82	6.38			0.00	0.00	104	103	HDPE	0.012	15	120.46	1.25	0.50	982.60	981.10	986.50	983.25
105	0.00	0.00	0.28	0.10	5.7	8.27	0.00	0.87	7.86	6.40			0.00	0.00	105	104	HDPE	0.012	15	38.06	1.26	0.50	983.58	983.10	989.03	984.01
106	0.28	0.34	0.28	0.10	5.4	8.36	0.88	0.88	7.03	5.73			0.00	0.00	106	105	HDPE	0.012	15	120.53	1.01	0.50	985.30	984.08	988.00	985.73
LINE 200																				Drop in In	let 101	0.50				
201	0.22	0.84	0.22	0.18	5.0	7.92	1.61	1.61	15.89	8.99			0.00	0.00	201	101	HDPE	0.012	18	5.12	1.95	N/A	977.79	977.69	983.01	978.35
LINE 300																									DS TAILWATER @ STR #X-3	FREE
301	0.00	0.00	1.94	1.62	5.5	7.92	0.00	14.15	29.10	9.26			0.00	0.00	301	X-3	HDPE	0.012	24	53.34	1.41	0.50	975.95	975.20	982.12	977.61
302	0.51	0.81	1.94	1.62	5.4	8.00	3.63	14.28	28.16	8.96			0.00	0.00	302	301	HDPE	0.012	24	58.50	1.32	0.50	977.22	976.45	980.60	978.89
303	0.24	0.63	1.43	1.21	5.3	8.08	1.34	10.76	18.38	10.40			0.00	0.00	303	302	HDPE	0.012	18	63.24	2.61	0.25	979.37	977.72	983.11	980.99
304	1.19	0.89	1.19	1.06	5.0	8.16	9.51	9.51	12.04	9.81			0.00	0.00	304	303	HDPE	0.012	15	147.90	2.96	N/A	984.00	979.62	988.79	985.67
LINE X																							,	, 	DS TAILWATER @ STR #X-5	FREE
X-6	0.05	0.77	0.89	0.69	5.2	7.92	0.34	6.05	6.89	5.62			0.00	0.00	X-6	X-5	HDPE	0.012	15	67.31	0.97	0.20	985.01	984.36	988.51	986.27
X-7	0.84	0.78	0.84	0.66	5.0	8.00	5.76	5.76	6.38	5.20			0.00	0.00	X-7	X-6	HDPE	0.012	15	66.15	0.83	N/A	985.76	985.21	989.06	986.98

																											\langle
noff Calculations -	100	- Year	Storm E	vent											Pipe Properties												1))
			Cumul.				Runoff				Up	Up	Up									Drop					
Inlet	Area	"C"	Area	Cumul.			То	Cumul.	Pipe	Pipe	Piped	Piped	Area	Up	Up	Down	Pipe	"n"	Pipe		Slope	ln			Inlet	HGL	
#	(acres)	Value	(acres)	CxA	Tc	Intensity	Inlet	Runoff	Cap.	Vel.	Inlets	Inlets	(acres)	CxA	Inlet	Inlet	Туре	Value	Size	Length	%	Inlet	FL Up	FL Down	Тор	Elev.	
																											1 / /
				•	7.1																						/ / /
					6.8						201									107.71							
	202.5	E 6 E E		0.21	6.5													0.012	- 20	154114	(M. A. C.						11
	0.000		0.48	0.21	6.2		0.00											0.012	15	120110							
104	0.20	0.58	0.48	0.21	5.8	9.94	1.44	2.62	7.82	6.38			0.00	0.00	104	103	HDPE	0.012	15	120.46	1.25	0.50	982.60	981.10	986.50	983.38	
105	0.00	0.00	0.28	0.10	5.7	9.96	0.00	1.19	7.86	6.40			0.00	0.00	105	104	HDPE	0.012	15	38.06	1.26	0.50	983.58	983.10	989.03	984.09	
106	0.28	0.34	0.28	0.10	5.4	10.07	1.20	1.20	7.03	5.73			0.00	0.00	106	105	HDPE	0.012	15	120.53	1.01	0.50	985.30	984.08	988.00	985.80	
IE 200																				Orop in In	et 101	0.50					
201	0.22	0.84	0.22	0.18	5.0	9.58	2.21	2.21	15.89	8.99			0.00	0.00	201	101	HDPE	0.012	18	5.12	1.95	N/A	977.79	977.69	983.01	978.45	
IE 300																									DS TAILWATER @ STR #X-3	FREE	
301	0.00	0.00	1.94	1.62	5.5	9.58	0.00	19.44	29.10	9.26			0.00	0.00	301	X-3	HDPE	0.012	24	53.34	1.41	0.50	975.95	975.20	982.12	977.95	
302	0.51	0.81	1.94	1.62	5.4	9.66	4.99	19.60	28.16	8.96			0.00	0.00	302	301	HDPE	0.012	24	58.50	1.32	0.50	977.22	976.45	980.60	979.23	
303	0.24	0.63	1.43	1.21	5.3	9.75	1.84	14.75	18.38	10.40			0.00	0.00	303	302	HDPE	0.012	18	63.24	2.61	0.25	979.37	977.72	983.11	981.42	
304	1.19	0.89	1.19	1.06	5.0	9.84	13.03	13.03	12.04	9.81			0.00	0.00	304	303	HDPE	0.012	15	147.90	2.96	N/A	984.00	979.62	988.79	987.42	< <
IE X																									DS TAILWATER @ STR #X-5	FREE	RED
X-6	0.05	0.77	0.89	0.69	5.2	9.58	0.46	8.31	6.89	5.62			0.00	0.00	X-6	X-5	HDPE	0.012	15	67.31	0.97	0.20	985.01	984.36	988.51	986.86	/ 2
X-7	0.84	0.78	0.84	0.66	5.0	9.66	7.91	7.91	6.38				0.00			X-6	HDPE	0.012	15	66.15	0.83	N/A	985.76	985.21	989.06		< <
	Inlet # IE 100 X-2 101 102 103 104 105 106 IE 200 201 IE 300 301 302 303 304 IE X X-6	Inlet # (acres) IE 100 X-2	Inlet Area "C" # (acres) Value IE 100 X-2	Cumul. Area "C" Area # (acres) Value (acres) E 100	Cumul. Area "C" Area Cumul. # (acres) Value (acres) CxA	Cumul. Area "C" Area Cumul. # (acres) Value (acres) CxA Tc	Cumul.	Inlet	Inlet	Inlet	Cumul. Runoff To Cumul. Pipe Pipe Fipe Fip	Cumul. Runoff Runoff Cumul. Pipe Pipe Pipe Piped Pipe Pipe Piped Pipe Pipe Piped Pipe Piped Piped	Cumul. Cumul. Runoff Cumul. To Cumul. Pipe Pipe Piped Pipe	Cumul. Cumul. Runoff Cumul. To Cumul. Pipe Pipe Piped Piped Area Runoff Cap. Vel. Inlets Inlets	Cumul. Area "C" Area Cumul. To Cumul. Pipe Pipe Pipe Pipe Area Up Up Up Pipe Pipe Pipe Area Up Pipe Pipe Pipe Pipe Pipe Pipe Pipe Pipe Pipe Area Up Pipe Pipe	Name	Inlet	Runoff R	Inlet	Runoff Area Cumul. Area Cumul. Area Cumul. Area Cumul. Area Cumul. Fipe Fi	New Year New Year	Cumul Area "C" Area Cumul Area "C" Area Cumul To Cumul Pipe Pipe Pipe Piped Area Up Up Up Up Up Up Up U	Inlet Area Cumul Area Cumul Figure Cumul Figure Figure	Inlet	Inlet Area C C C Area C C C Area C C C C Area C C C C Area C C C C C C C C C	Inject Area C Cumul. File File	Inject Area Count File File

SLAGGIE ARCHITECTS, INC. ©2022

Kansas City, Missouri ● Omaha, Nebraska
888-756-1958
slaggie.com





K-1 Speed Entertainment Complex D4 Holdings Strother Crossing Strother Avenue, Lee's Summit, MO 64063

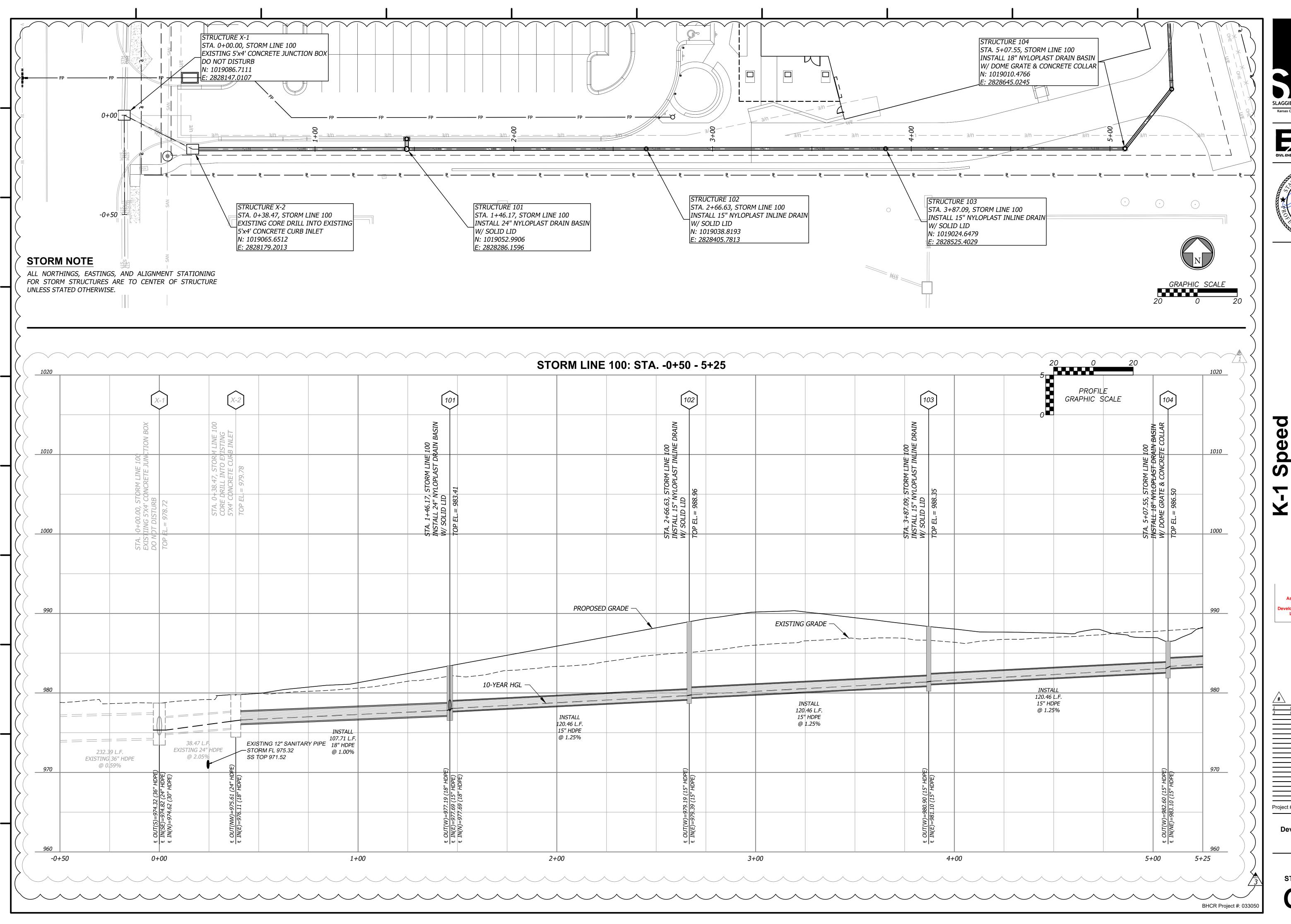
RELEASED FOR
CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
09/07/2022

<u>*</u>	Revisions:	
CI	TY COMMENTS	07/22/2022
CI	TY COMMENTS	08/16/2022
CI	TY COMMENTS	08/25/2022
		
oject #:		211107
Dov	Final	f Dlane
Dev	elopment	l Fiails
	June 21, 20)22

PROPOSED PIPE CALCS

BHCR Project #: 033050

C6.3









tainment Complex

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review

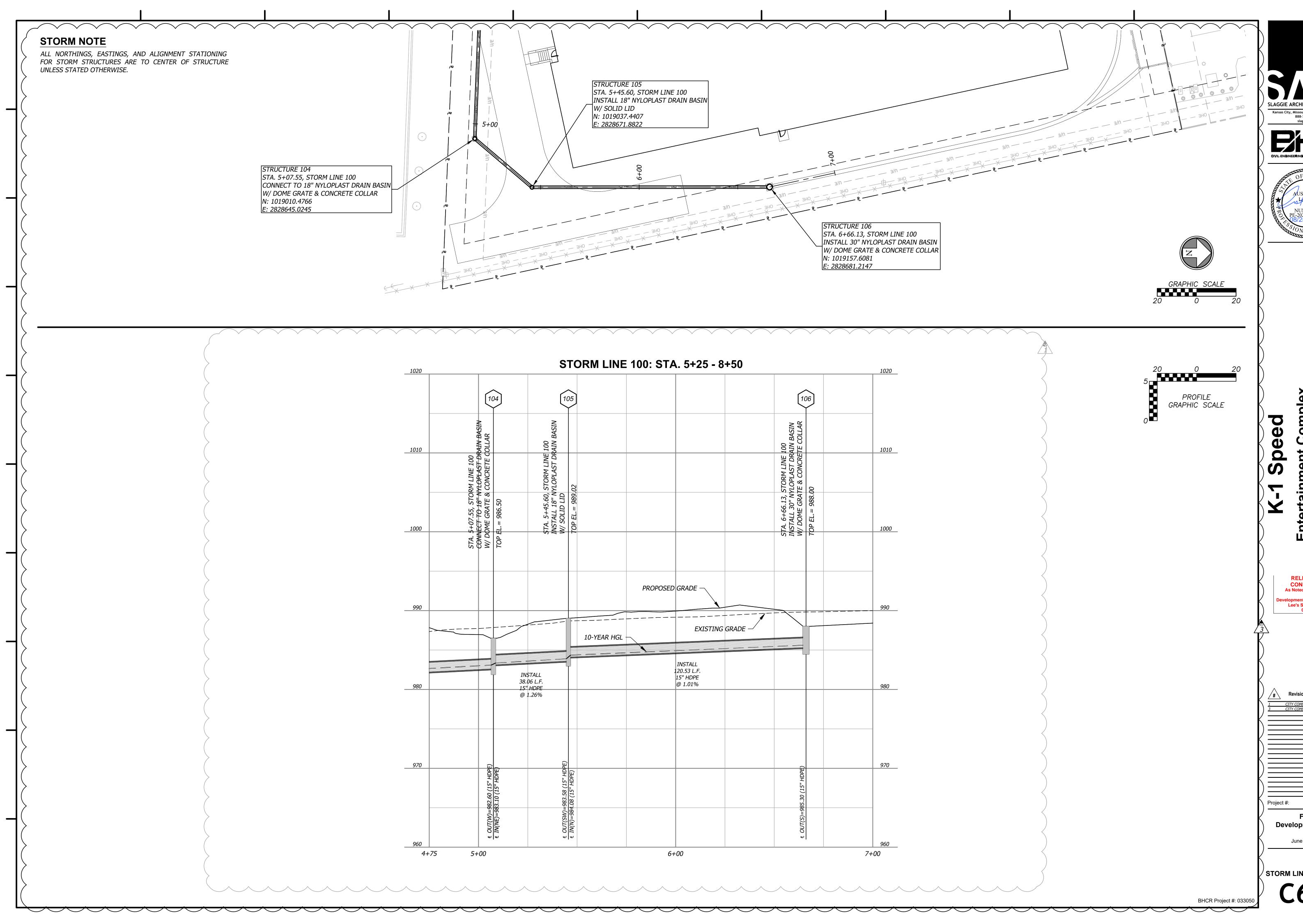
Development Services Department
Lee's Summit, Missouri
09/07/2022

Project #: 21110

Final Development Plans

June 21, 2022

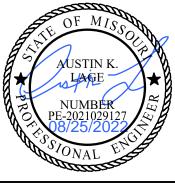
6 4









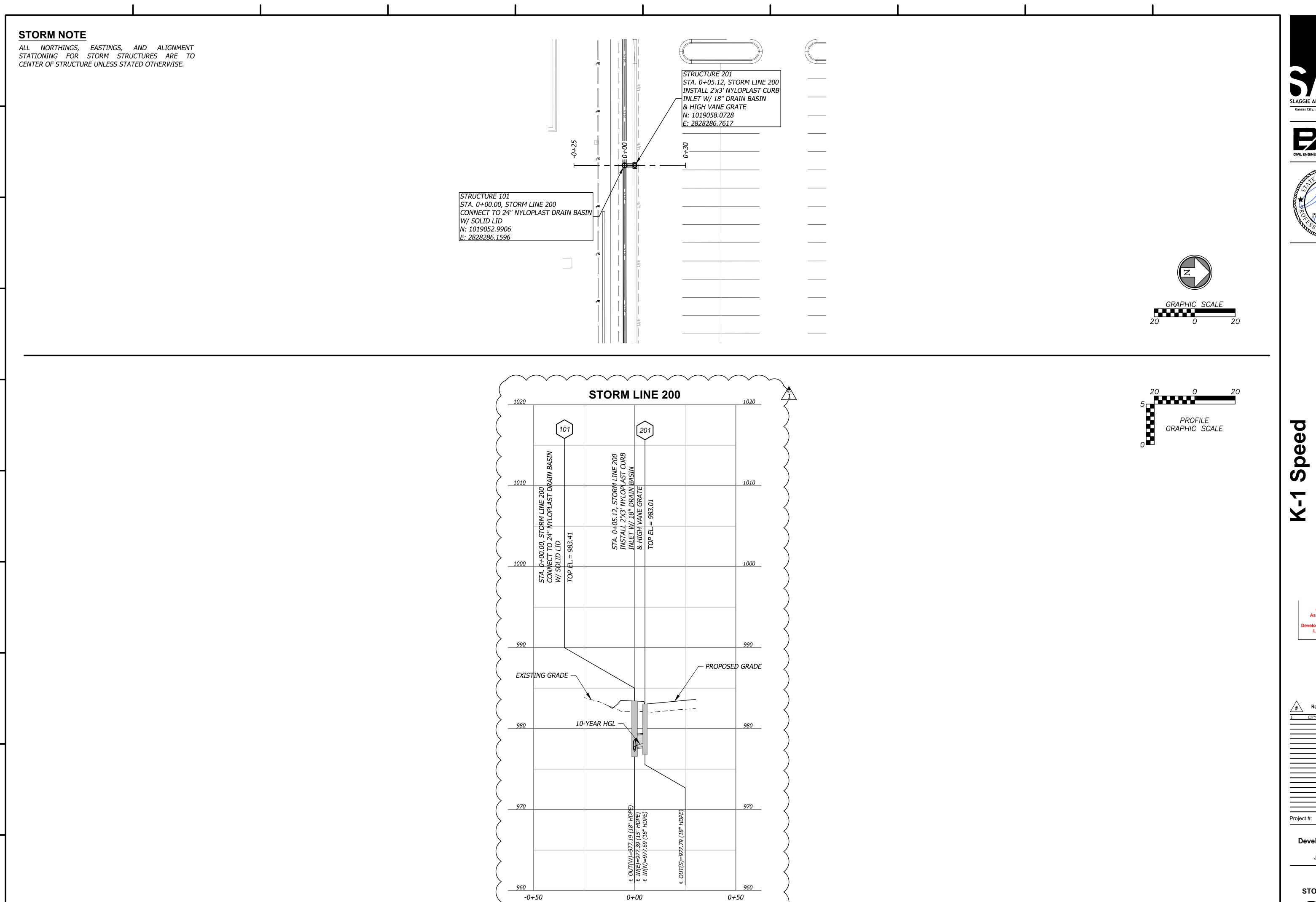


RELEASED FOR CONSTRUCTION As Noted on Plans Review Lee's Summit, Missouri 09/07/2022

Final **Development Plans**

June 21, 2022

STORM LINE 100 (CONT.)











RELEASED FOR
CONSTRUCTION
As Noted on Plans Review
levelopment Services Department
Lee's Summit, Missouri
09/07/2022

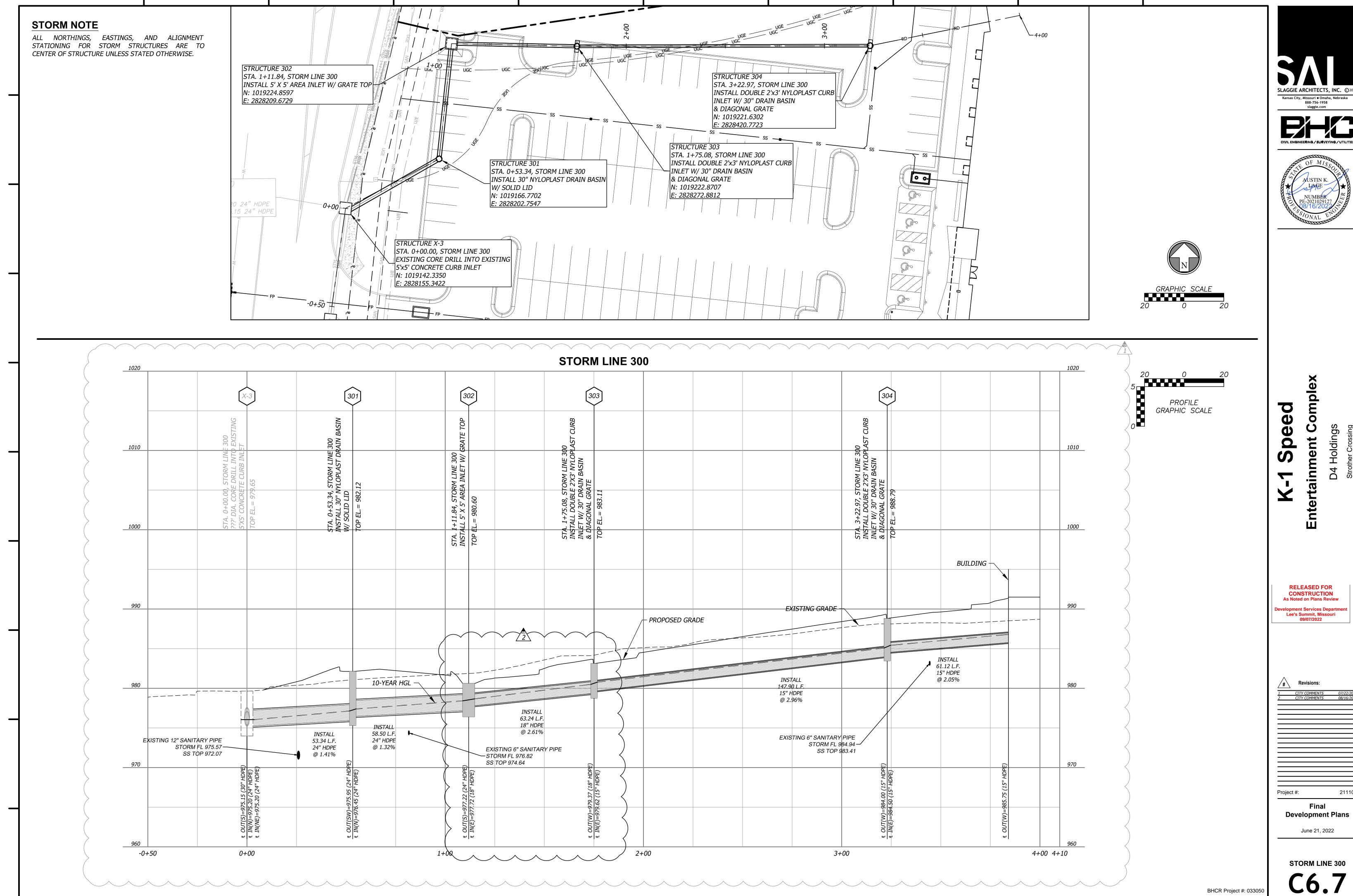
Revisions:

1 CITY COMMENTS 07/22/2022

Final
Development Plans

June 21, 2022

STORM LINE 200 **C6.6**



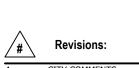






D4 Holdings

RELEASED FOR CONSTRUCTION
As Noted on Plans Review



Final

Development Plans June 21, 2022

STORM LINE 300



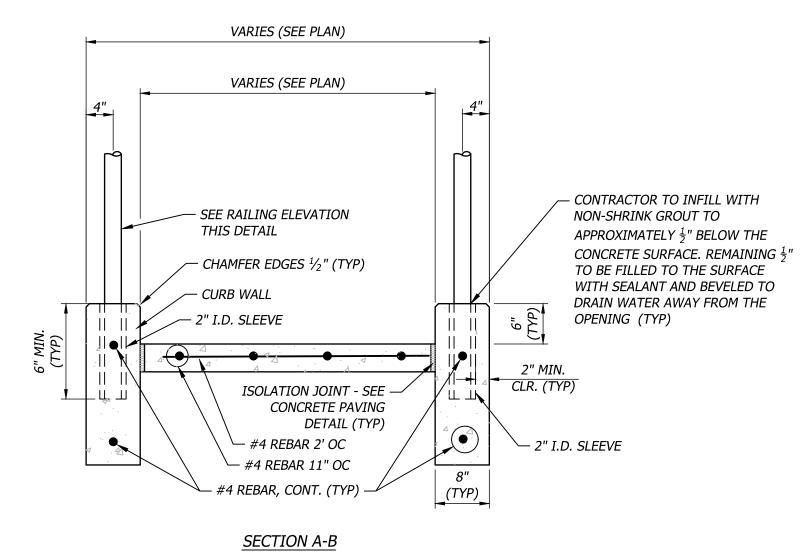
SLAGGIE ARCHITECTS, INC. ©2022 Kansas City, Missouri ● Omaha, Nebraska 888-756-1958 slaggie.com

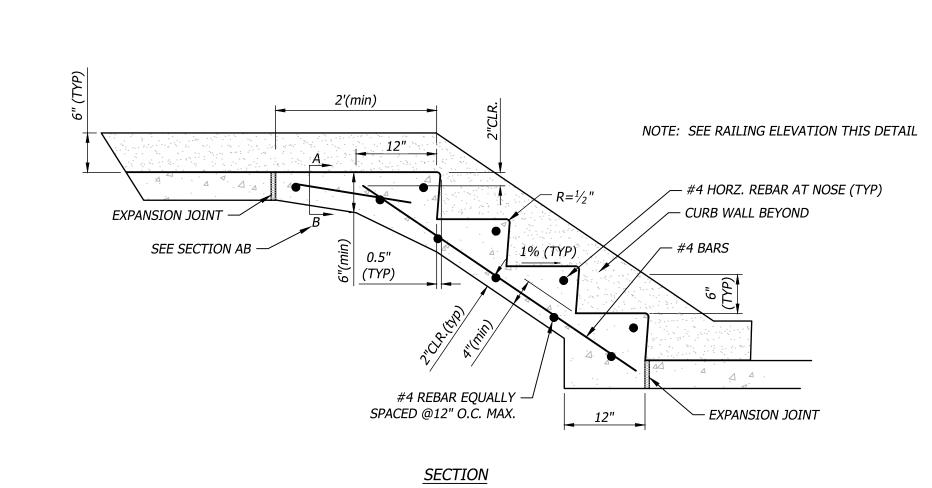
Project #:

Final **Development Plans**

June 21, 2022

CONSTRUCTION DETAILS





Concrete Stair & Stairs Not to Scale

BHCR Project #: 033050

RELEASED FOR

CONSTRUCTION As Noted on Plans Review

Lee's Summit, Missouri 09/07/2022

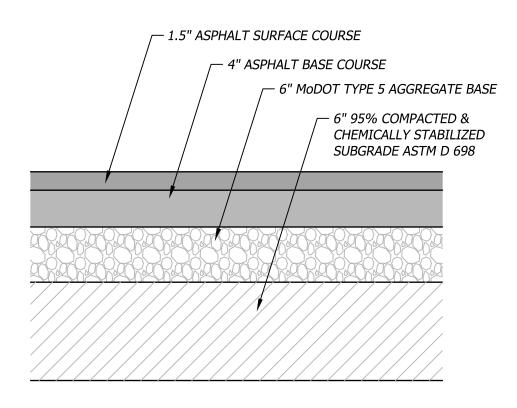
PAVEMENT SECTION NOTES

<u>GENERAL:</u> 1. AGGREGATE BASE + SUBGRADE OF BOTH ASPHALT AND CONCRETE PAVEMENTS MUST EXTEND 1' BEYOND BACK OF CURB.

- <u>CONCRETE:</u>
 1. CONTROL JOINT SPACING SHALL MATCH WIDTH OF SIDEWALK/DRIVE.
- 2. ISOLATION JOINTS SHALL BE PLACED @ 250' CENTERS OR WHERE WALKS ABUT CURBS, BUILDINGS, ETC....
- 3. ALL EXTERIOR CONCRETE SHALL HAVE A BROOM FINISH.
- 4. MoDOT 3500 PSI AT 28 DAYS, 4-INCH MAXIMUM SLUMP AND 5%-7% AIR ENTRAINED, MIX.

- ASPHALT:

 1. SHOP DRAWINGS FOR ASPHALT SHALL BE SUBMITTED PRIOR TO BATCHING. DENSITY TESTING FOR ASPHALT SHALL BE AT A MINIMUM OF 3 PER LIFT PER DAY DURING THE ASPHALT LAYING OPERATION. FINAL THICKNESS OF ASPHALT SHALL BE MEASURED AT 3 RANDOM LOCATIONS WITHIN THE SITE BY CORING THE PAVEMENT. THE AVERAGE OF THESE 3 CORES MUST BE GREATER THAN THE MINIMUM THICKNESS SPECIFIED IN THE PLANS.
- 2. ASPHALT PAVEMENT CONSTRUCTION SHALL ONLY COMMENCE WHEN AMBIENT TEMPERATURE IS 32 DEGREES FAHRENHEIT AND RISING.

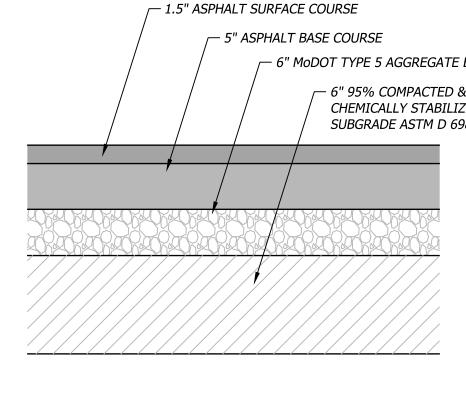


Medium Duty Asphalt Section

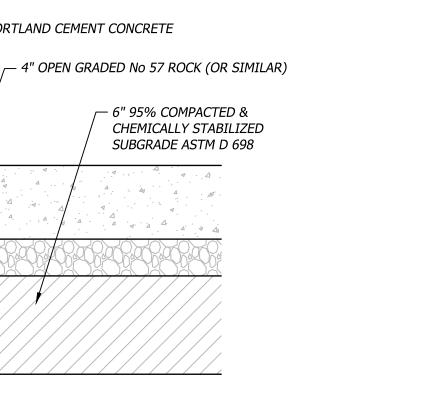
Not to Scale

— 6" PORTLAND CEMENT CONCRETE

_— 6" 95% COMPACTED &

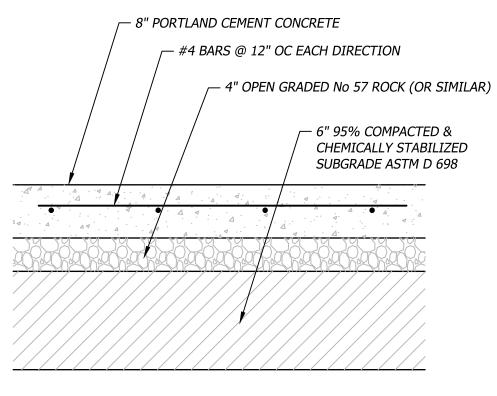


Heavy Duty Asphalt Section □ Not to Scale



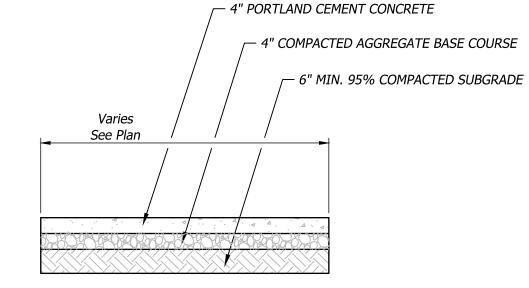
Medium Duty Concrete Section

Not to Scale



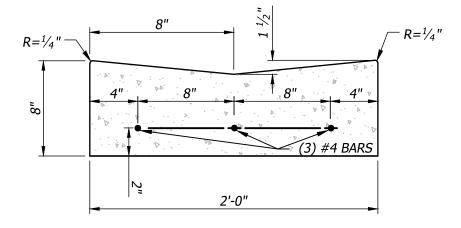
Concrete Dumpster Pad Section

Not to Scale



Concrete Sidewalk Section

Not to Scale



O34 Concrete Valley Gutter
Not to Scale

RELEASED FOR CONSTRUCTION As Noted on Plans Review Lee's Summit, Missouri 09/07/2022

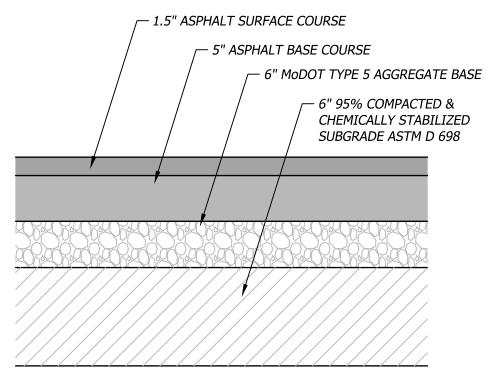
Project #: Final **Development Plans**

Kansas City, Missouri ● Omaha, Nebraska 888-756-1958

slaggie.com

PAVEMENT DETAILS

BHCR Project #: 033050

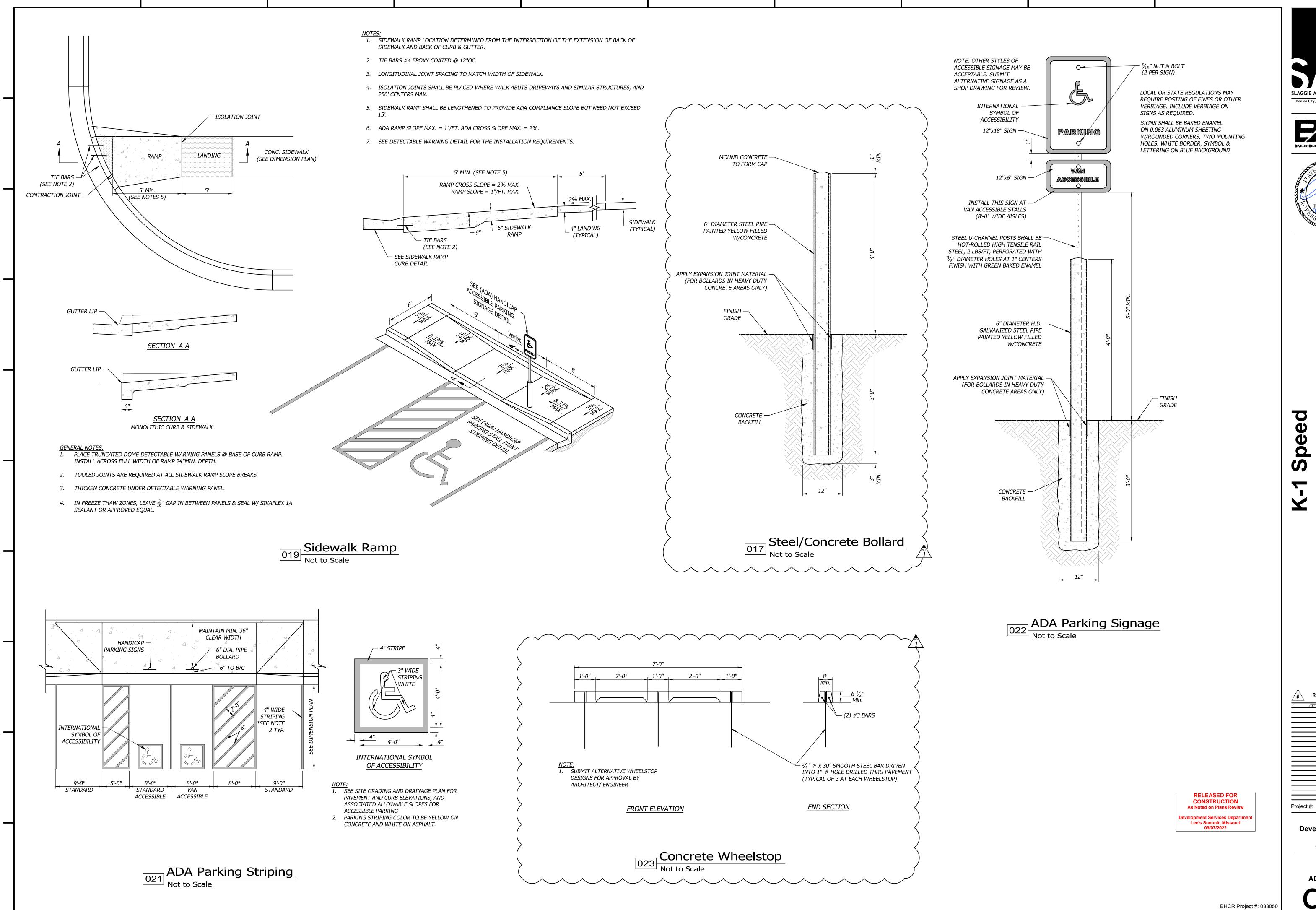


June 21, 2022

Speed

Entertain

Ot Str



SLAGGIE ARCHITECTS, INC. ©2022 Kansas City, Missouri ● Omaha, Nebraska 888-756-1958

slaggie.com

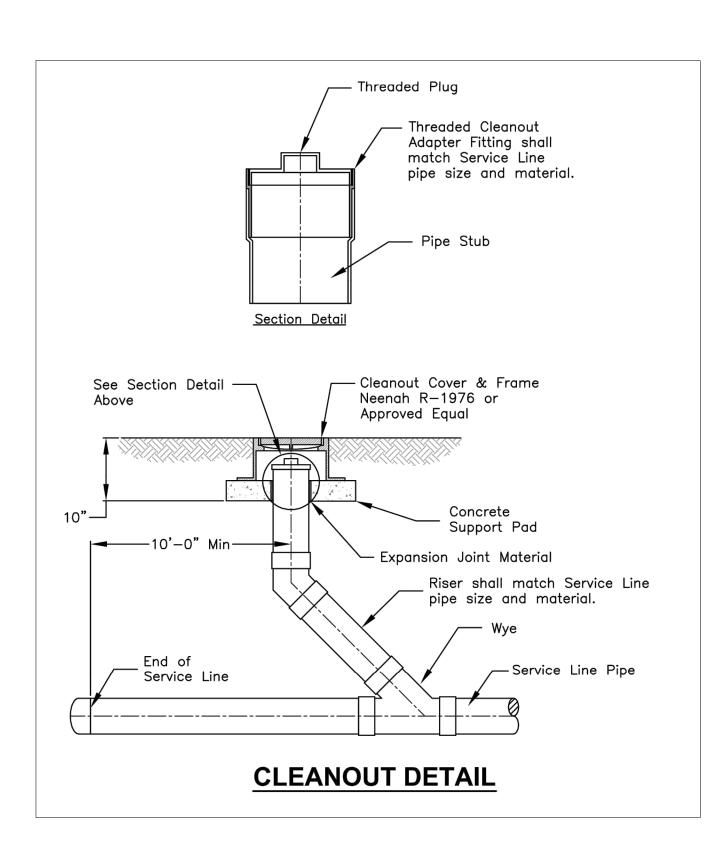


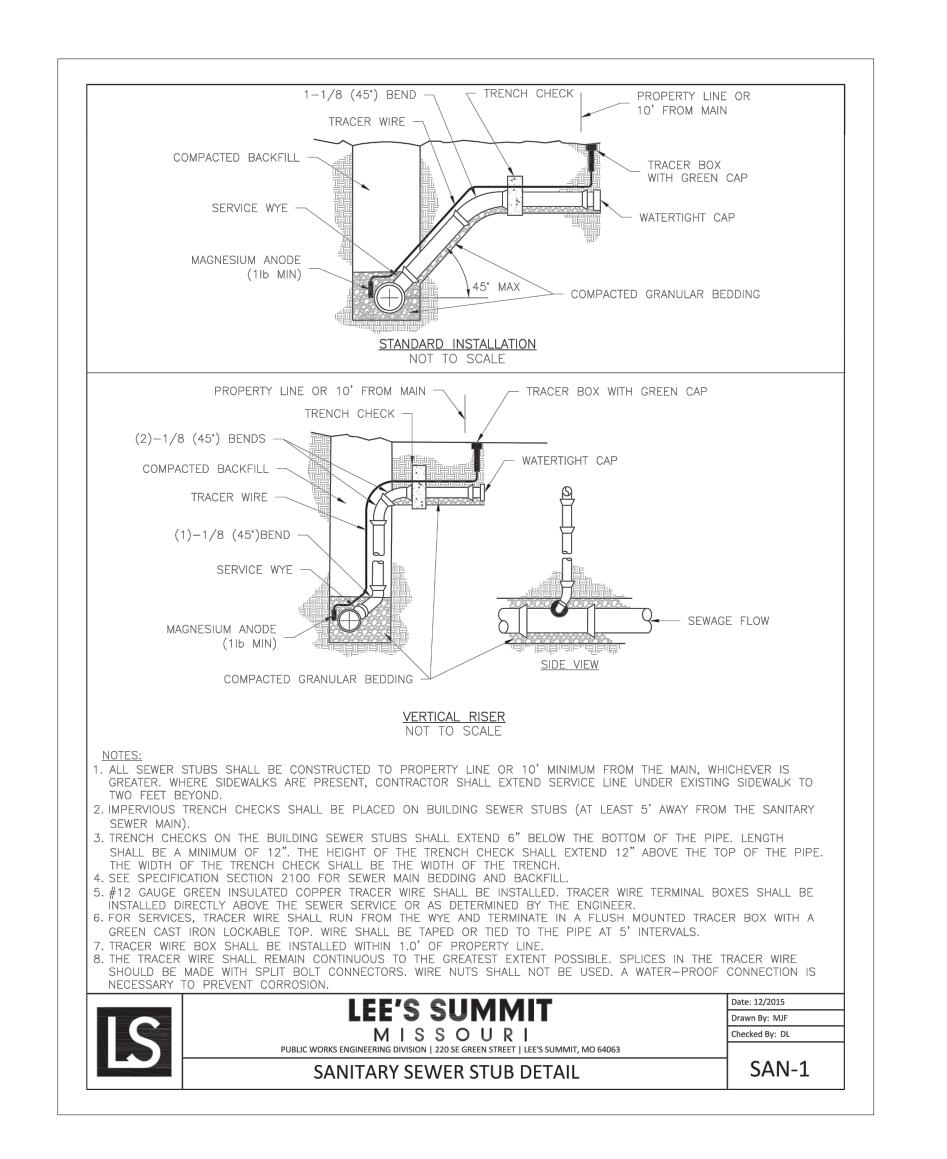
Ğ

Final **Development Plans**

June 21, 2022

ADA DETAILS









K-1 Speed
Entertainment Complex

Revisions:

07/22/2022

07/22/2022

Project #: 211107

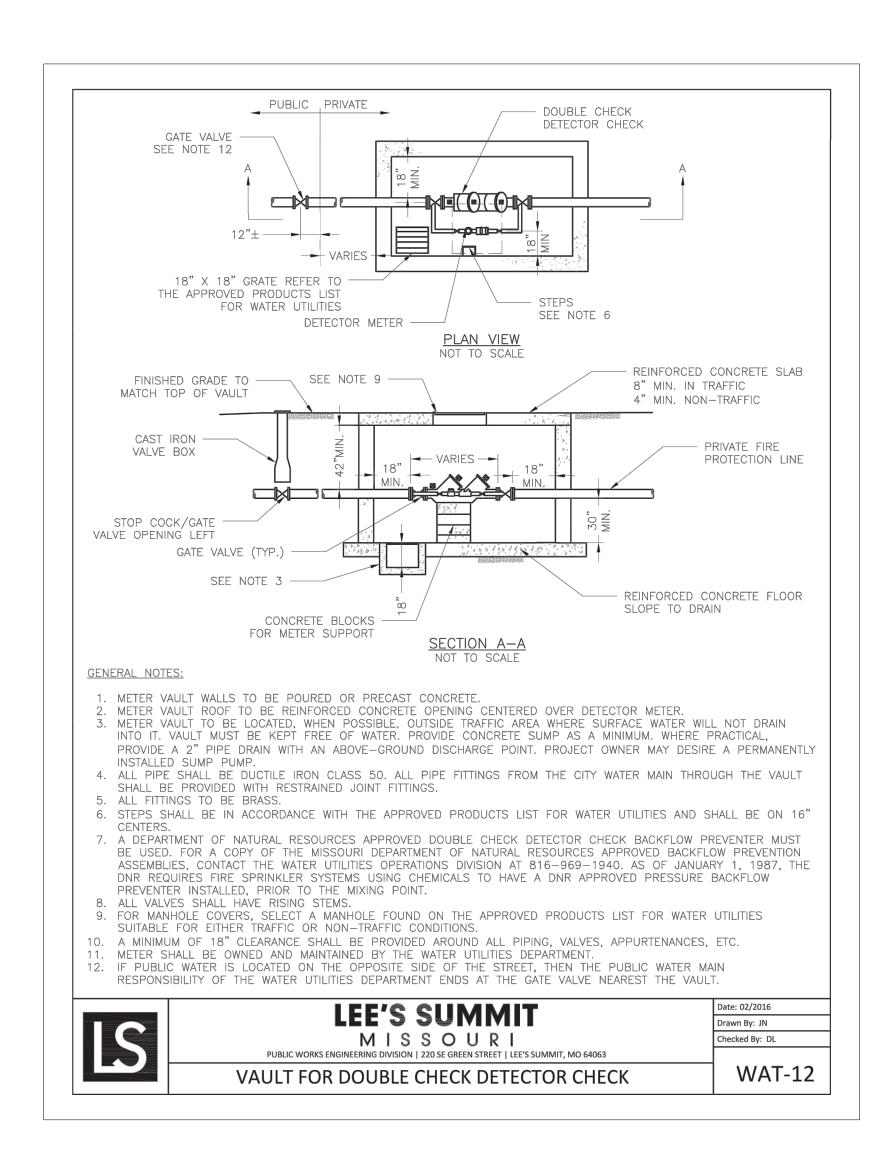
Final Development Plans

SANITARY DETAILS

June 21, 2022

RELEASED FOR CONSTRUCTION As Noted on Plans Review

evelopment Services Departm Lee's Summit, Missouri 09/07/2022





omple

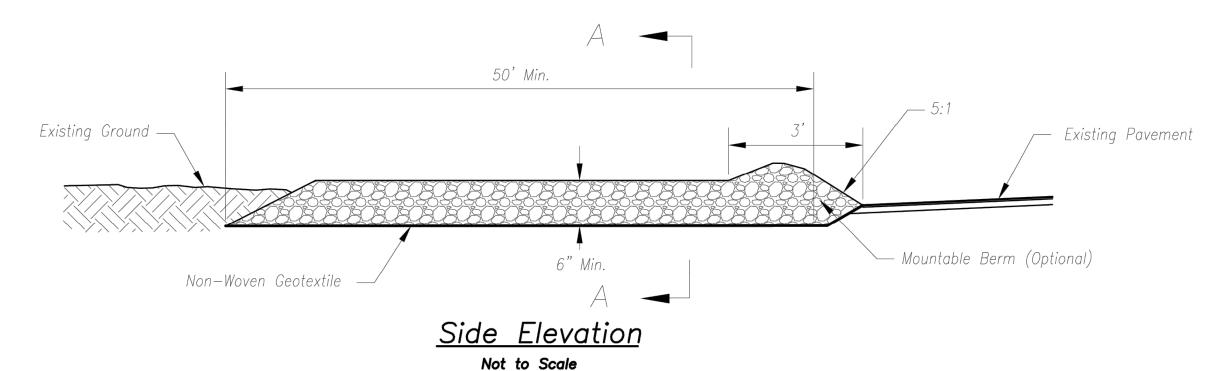
Speed ment

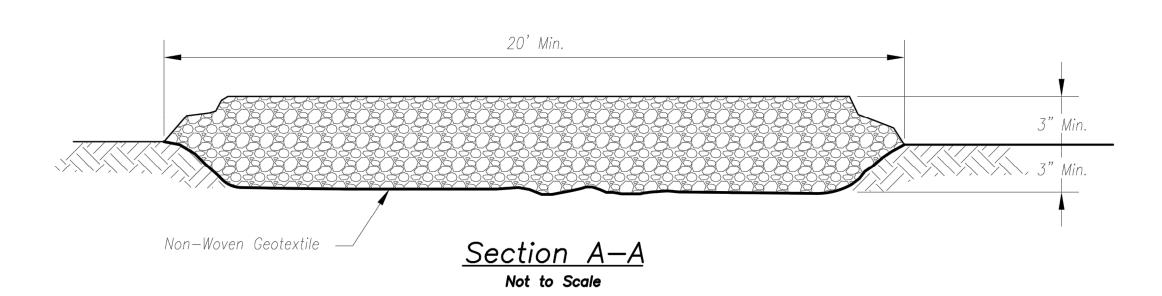
RELEASED FOR CONSTRUCTION As Noted on Plans Review Development Services Departmen Lee's Summit, Missouri 09/07/2022 Project #: Final Development Plans

WATER DETAILS

June 21, 2022

Plan View Not to Scale





Notes for Construction Entrance:

- Avoid locating on steep slopes, at curves on public roads, or downhill of disturbed area.
- 2. Remove all vegetation and other unsuitable material from the foundation area, grade, and crown for positive drainage.
- 3. If slope towards the public road exceeds 2%, construct a 6— to 8—inch high ridge with 3H:1V 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 sloped for drainage.
- 6. Divert all surface runoff and drainage from the entrance to a sediment control device.
- 7. 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.

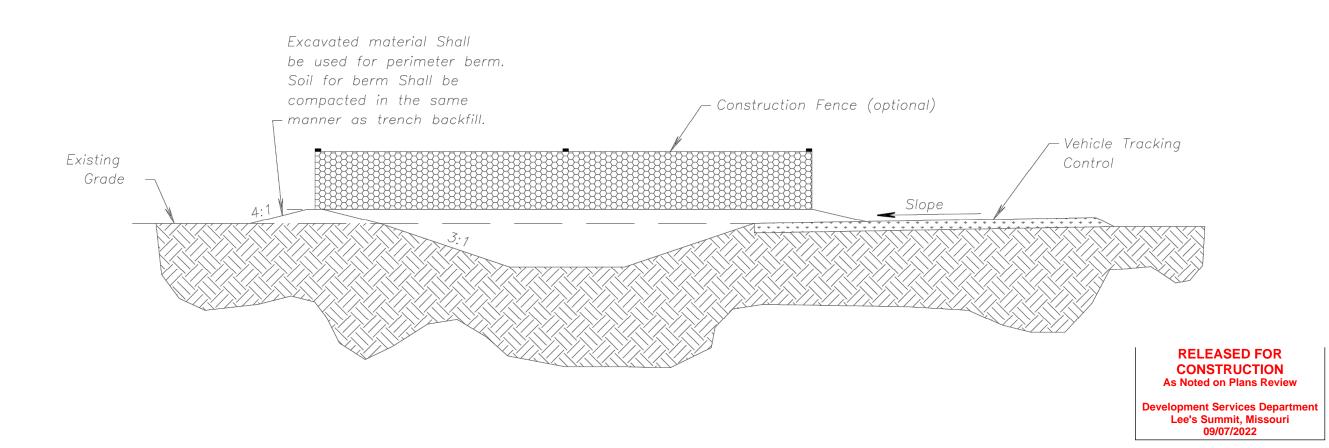
600 <u>CONSTRUCTION ENTRANCE</u>

Notes for Concrete Washout:

- Concrete washout areas shall be installed prior to any concrete placement on site.
- 2. Concrete washout area shall include a flat subsurface pit sized relative to the amount of concrete to be placed on site. The slopes leading out of the subsurface pit shall be 3:1. The vehicle tracking pad shall be sloped towards the concrete washout area.
- 3. Vehicle tracking control is required at the access point to all concrete washout areas.
- 4. 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 wasted concrete.
- 3. Concrete washout water, wasted 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.
- 5. When concrete washout areas are removed, excavations shall be filled with suitable compacted backfill and topsoil, any disturbed areas associated with the installation, maintenance, and/or removal of the concrete washout areas shall be stabilized.



604 CONCRETE WASHOUT

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.

AMERICAN PUBLIC WORKS ASSOCIATION



KANSAS CITY METRO CHAPTER

CONSTRUCTION ENTRANCE
AND CONCRETE WASHOUT

STANDARD DRAWING
NUMBER ESC-01
ADOPTED:
10/24/2016

SLAGGIE ARCHITECTS, INC. ©2022

Kansas City, Missouri • Omaha, Nebraska
888-756-1958
slaggie.com

K-1 Speed
Entertainment Complex
D4 Holdings

Revisions:

CITY COMMENTS 07/22/20

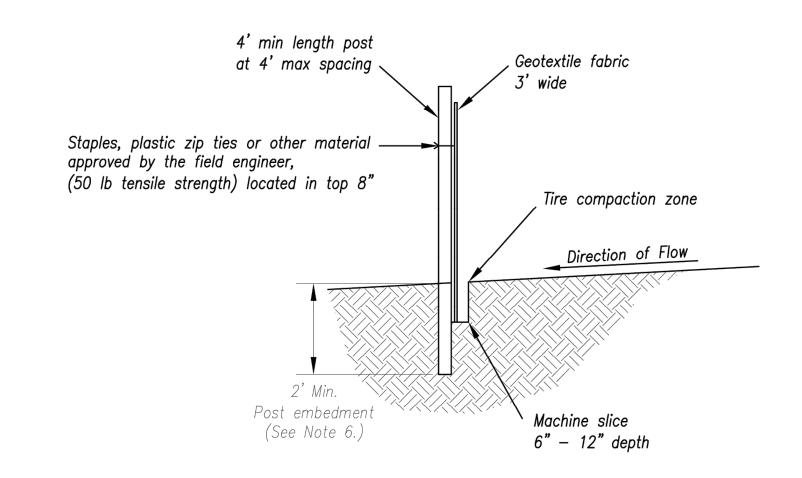
Project #: 2111

Final

Development Plans

June 21, 2022

CONCRETE ENTRANCE & CONCRETE WASHOUT



(*) <u>POSTS</u>

- MIN, LENGTH 4'

- HARDWOOD 1 3/6" x 1 3/6"

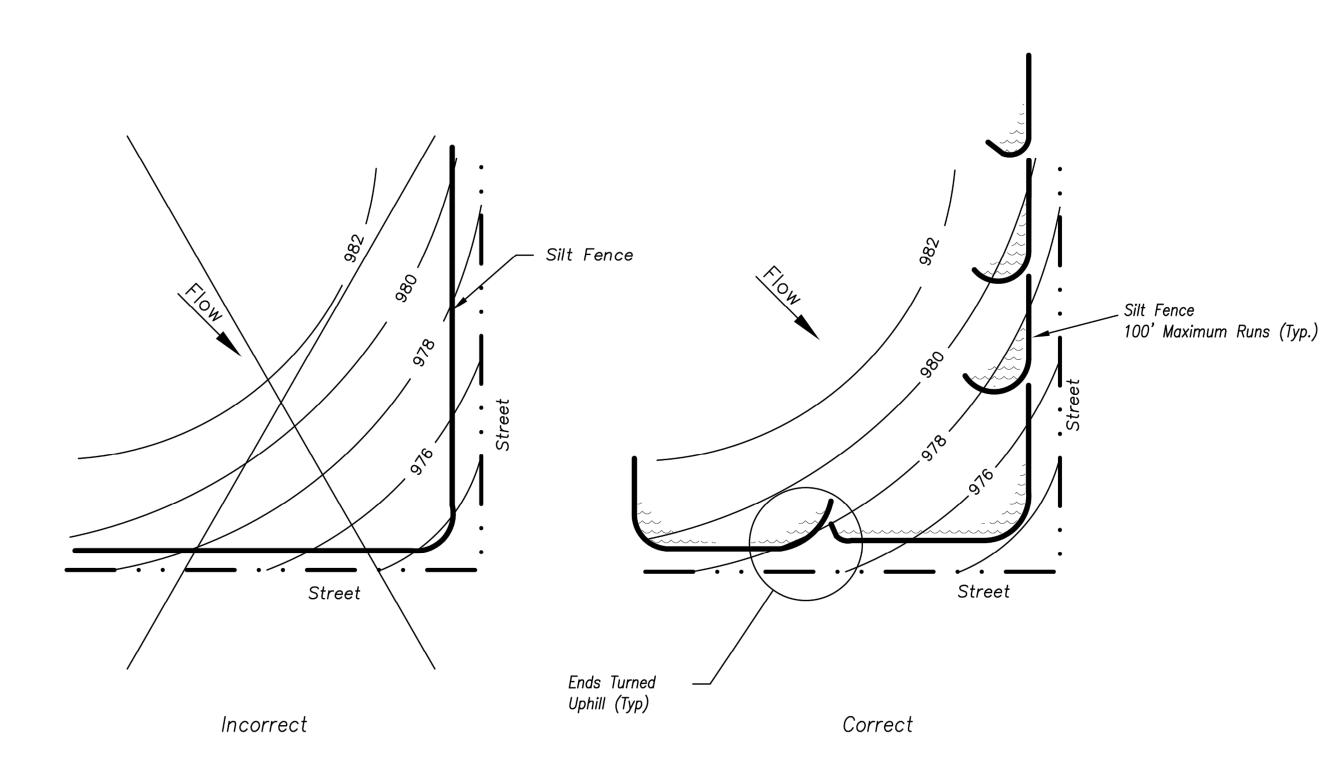
- NO.2 SOUTHERN PINE 2 %" x 2 %"

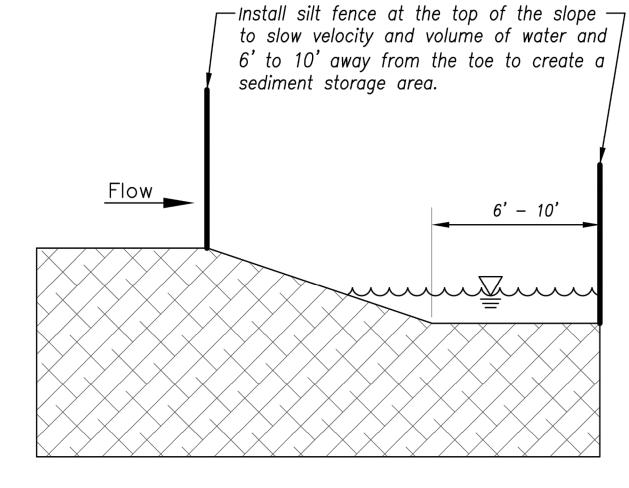
– STEEL 1.33 LB/FT

(**) — Geotextile Fabric shall meet the requirements of AASHTO M288

SILT FENCE DETAILS

Not to Scale





<u>Figure A</u>

SILT FENCE LAYOUT Not to Scale

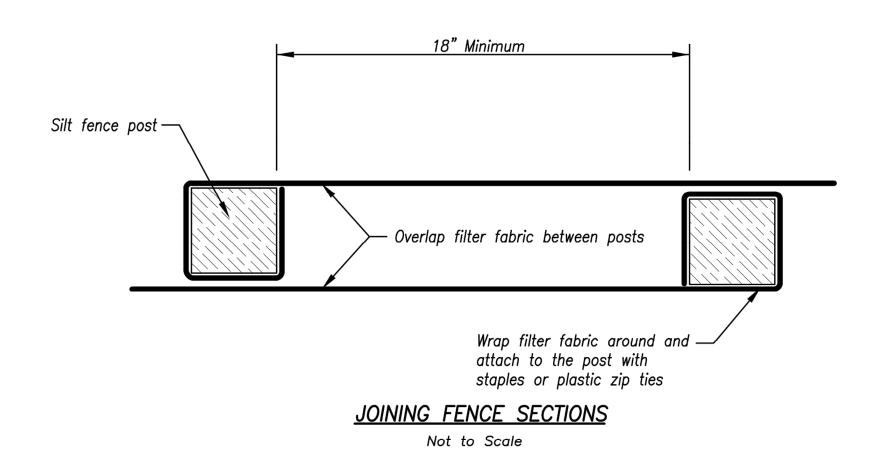
> Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

<u>Notes:</u>

- 1. In order to contain water, the ends of the silt fence must be turned uphill (Figure A).
- 2. 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).
- 3. Long slopes should be broken up with intermediate rows of silt fence to slow runoff velocities.
- 4. Attach fabric to upstream side of post.
- 5. Install posts a minimum of 2' into the ground.
- 6. Trenching will only be allowed for small or difficult installation, where slicing machine cannot be reasonably

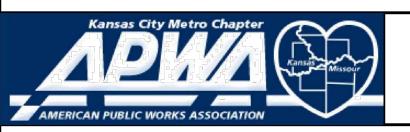
<u>Maintenance:</u>

- 1. Remove and dispose of sediment deposits when the deposit approaches 1/3 the height of silt fence.
- 2. Repair as necessary to maintain function and structure.



RELEASED FOR CONSTRUCTION As Noted on Plans Review

AMERICAN PUBLIC WORKS ASSOCIATION



KANSAS CITY METRO CHAPTER

601

SILT FENCE

STANDARD DRAWING NUMBER ESC-03 ADOPTED: 10/24/2016

evelopment Services Departm Lee's Summit, Missouri 09/07/2022

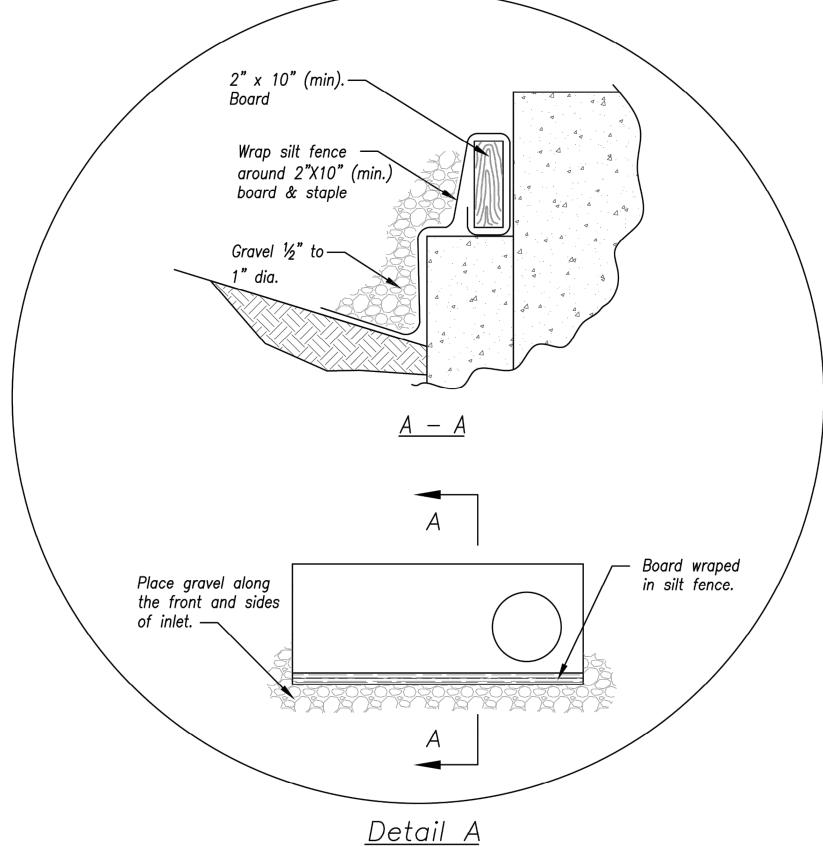
Kansas City, Missouri ● Omaha, Nebraska 888-756-1958 slaggie.com

omplex Speed D4 Holdings
Strother Crossing
Jence Avenue, Lee's \$ Entertainment

Project #: Final **Development Plans**

June 21, 2022

SILT FENCE



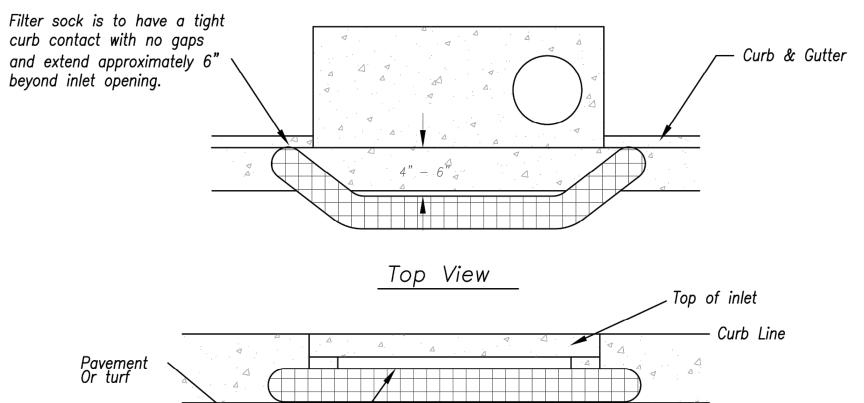
EARLY STAGE CURB INLET
(Open Box and Prior to Pouring
Curb and Inlet Throat)

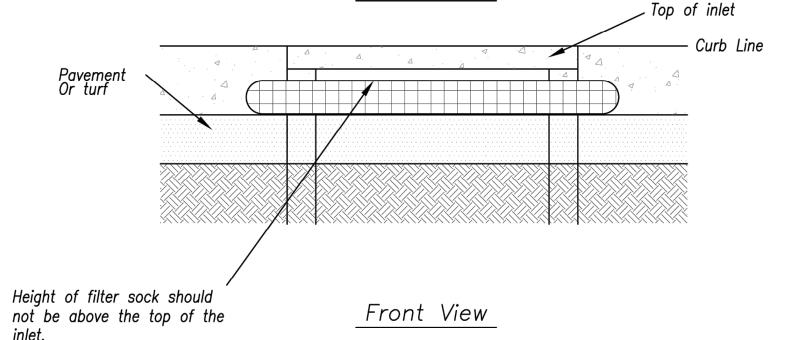
<u>Notes:</u>

- 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). Straw wattles are not approved for curb inlet use.
- Contractor to field verify ponding water shall not create a traffic hazard.

<u>Maintenance:</u>

- 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.
- 3. Repair or replace as necessary to maintain function and integrity of installation.





Sump Inlet Sediment Filter

<u>LATE STAGE CURB INLET</u> (After Pouring Curb and Inlet Throat)



AMERICAN PUBLIC WORKS ASSOCIATION



603

Modified from 2015 Overland Park Standard Details

for Erosion and Sediment Control.

KANSAS CITY METRO CHAPTER

CURB INLET PROTECTION

STANDARD DRAWING
NUMBER ESC-06
ADOPTED:
10/24/2016

Project #: 21110

Final

Development Plans

Kansas City, Missouri ● Omaha, Nebraska 888-756-1958 slaggie.com

Complex

Entertainment

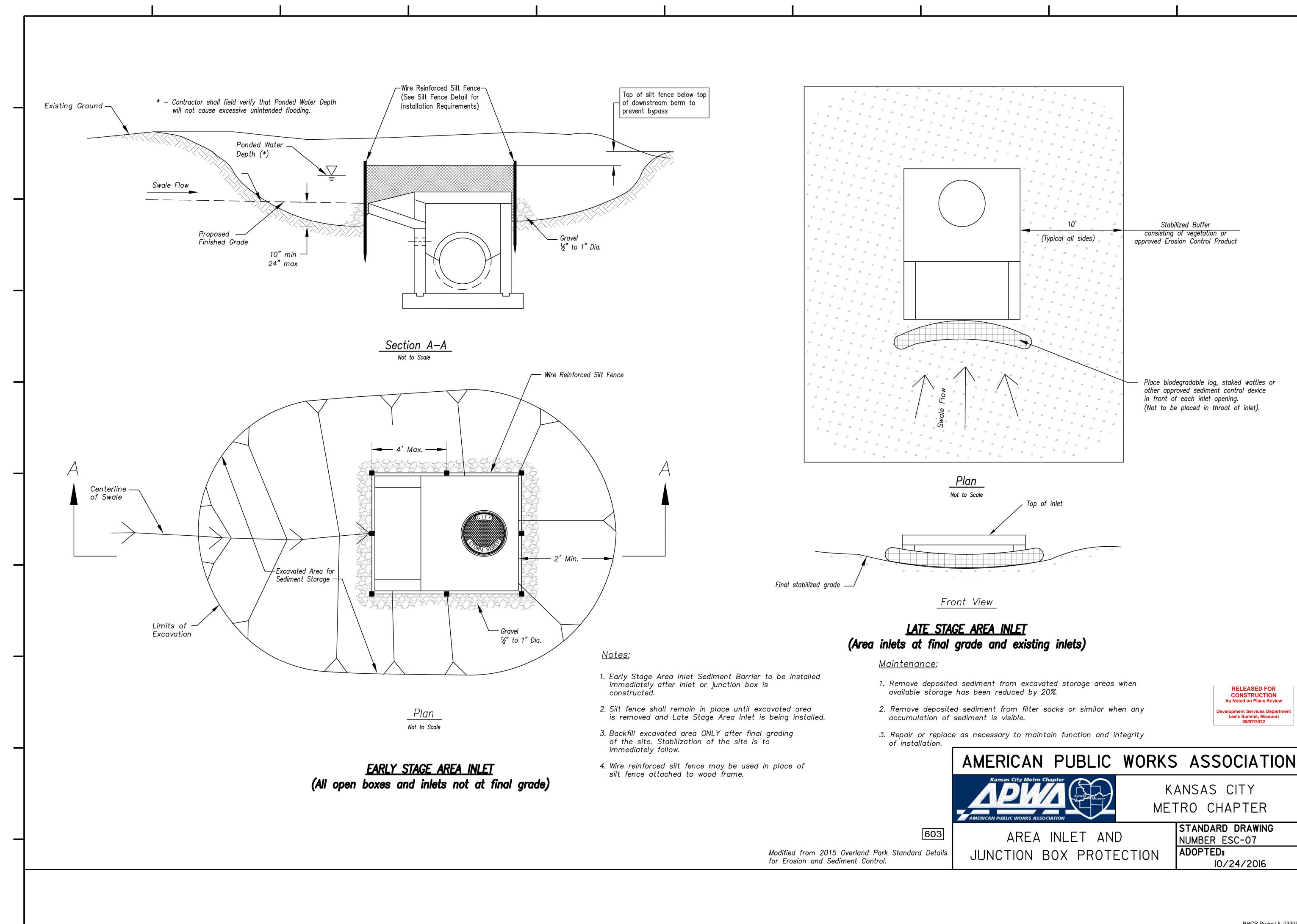
D4 Holdings
Strother Crossing

Speed

CURB INLET PROTECTION

June 21, 2022

C7.7



Speed 6

Project #:

Final **Development Plans** June 21, 2022

AREA INLET & JUNCTION BOX PROTECTION