

# LONGVIEW MANSION PARKING ADDITION FINAL DEVELOPMENT PLANS

SECTION 09, TOWNSHIP 47N, RANGE 32W  
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

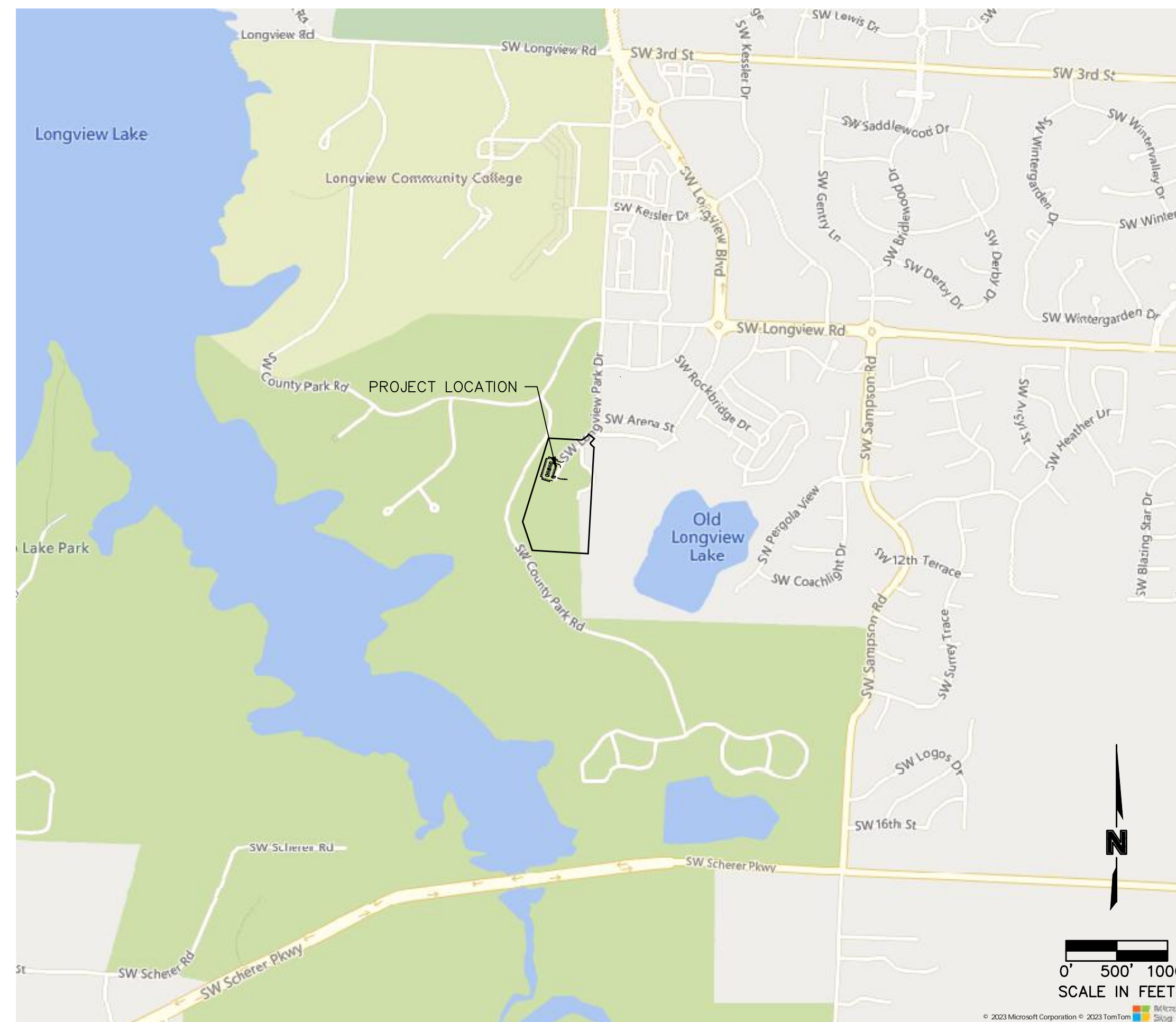
PROJECT TEAM & UTILITY CONTACT LIST	
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<p><u>ENGINEER</u>  OLSSON  1301 BURLINGTON, SUITE 100  NORTH KANSAS CITY, MO 64116  CONTACT: STEPHEN SAYLOR, PE  PHONE: 816.361.1177  EMAIL: SSAYLOR@OLSSON.COM</p>	<p>NAME: SPECTRUM (TWC)  PHONE: 816-358-5350</p> <p>NAME: GOOGLE FIBER  PHONE: 877-454-6959</p>
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☒ NOT FOR CONSTRUCTION

☐ REVIEWED FOR CONSTRUCTION



THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL NUMBER 583, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT- OF-WAY DO SO ONLY AFTER GIVING NOTICE TO, & OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. CALL 1-800-DIG-RIE.




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ACCEPTED:

CITY OF LEE'S SUMMIT

DATE \_\_\_\_\_

CIVIL ENGINEER:  
I HEREBY CERTIFY THAT THIS PROJECT HAS BEEN DESIGNED, AND THESE  
PLANS PREPARED, TO MEET OR EXCEED THE DESIGN CRITERIA OF LEE'S  
SUMMIT, MISSOURI, IN CURRENT USAGE, EXCEPT AS INDICATED BELOW.

  
STEPHEN SAYLOR, P.E.  
CIVIL ENGINEER  
MO# 2018021248

3/1/2024

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DATE

[illegible]

TITLE SHEET

LONGVIEW MANSION PARKING ADDITION  
FINAL DEVELOPMENT PLANS

LEE'S SUMMIT, MO

drawn by: \_\_\_\_\_ CH  
checked by: \_\_\_\_\_ DP  
approved by: \_\_\_\_\_ SS  
QA/QC by: \_\_\_\_\_ CH  
project no.: \_\_\_\_\_ 022-06318  
drawing no.: C\_TTL01\_02206318  
date: \_\_\_\_\_ 2024.03.01

SHEET  
C01



DWG: F:\2023\06001-06500\022-06318\_MO-Design\AutoCAD\Final Plans\Sheets\CMC\ C\_TTL01\_02206318.dwg  
DATE: Mar 01, 2024 11:15am  
USER: ssoyfor

GENERAL NOTES:

1. ALL PAVING DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

2. REFER TO DETAIL SHEET FOR INSTALLATION OF SIGNS.

3. CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT TO PROVIDE SMOOTH SURFACE TRANSITIONS BETWEEN NEW ENTRANCE DRIVES AND EXISTING STREETS.

4. CONTRACTOR SHALL MATCH EXISTING CURB & GUTTER IN GRADE, SIZE, TYPE, AND ALIGNMENT AT CONNECTIONS TO EXISTING STREETS.

5. ALL WORK ON THIS PLAN SHALL BE DONE IN STRICT ACCORDANCE WITH THE OWNER'S SITE WORK SPECIFICATIONS.

6. ALL TRAFFIC CONTROL SIGNS SHALL BE FABRICATED AS SHOWN IN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS.

7. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULE, SLOPED PAVING, EXIT PORCHES, RAMPS, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS, SIDEWALK AND SPECIFIC BUILDING AREA TREATMENTS AND IMPROVEMENTS. FOR EXACT BUILDING DIMENSIONS, SEE ARCHITECTURAL PLANS. CONTRACTOR TO STAKE AND CONSTRUCT FOUNDATIONS AND FOOTINGS FROM STRUCTURAL PLAN. BUILDING DIMENSIONS ON THIS PLAN ARE FOR REFERENCE ONLY.

8. ALL DIMENSIONS SHOWN ON BUILDING ARE TO OUTSIDE FACE OF BUILDING.

9. CONTRACTOR SHALL COORDINATE PROTECTION OF BUILDING CORNERS, TRANSFORMERS, AND ALL OTHER APPLICABLE STRUCTURES WITH GUARD POST BOLLARDS WITHIN 5' OF THE BUILDINGS TO BE INSTALLED BY GENERAL CONTRACTOR.

10. PARKING LOT STRIPING SHALL BE INCLUDED IN PAVING CONTRACTOR'S SCOPE OF WORK. ALL STRIPING IS TO BE TWO LAYERS, 4" STROKE, REFLECTIVE PAINT, INCLUDING ADA SYMBOL AND HATCHING. PAINT COLOR TO BE WHITE ON ASPHALT AND YELLOW ON CONCRETE.

11. ALL ACCESSIBLE PARKING SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS.

12. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH A LIST OF ALL SUBCONTRACTORS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.

13. ALL ASPHALT PAVING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF LEES SUMMIT DESIGN AND CONSTRUCTION MANUAL SECTION 2200.

14. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR, AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO, AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO: DRAINAGE UTILITIES, PAVEMENT, STRIPING, CURB, ETC. ANY WORK IN CITY R.O.W. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS AND SURVEY MONUMENTS AND IS RESPONSIBLE FOR RE-ESTABLISHMENT OF ANY PROPERTY CORNERS OR SURVEY MONUMENTS IF DISTURBED BY CONSTRUCTION ACTIVITIES.

15. SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.

16. ALL CONSTRUCTION IN STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HIGHWAY DEPARTMENT RESIDENT MAINTENANCE ENGINEER PRIOR TO START OF CONSTRUCTION. LATEST SPECIFICATIONS ADOPTED BY US DEPARTMENT OF TRANSPORTATION AND STATE HIGHWAY DEPARTMENT SHALL GOVERN ON THIS PROJECT.

17. ALL SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE RELEVANT UTILITY COMPANY OR REGULATORY AUTHORITY, AND THE SPECIFICATIONS FOR THE CONSTRUCTION OF THE EXISTING IMPROVEMENTS WHICH ARE BEING ALTERED OR REPLACED. CONTRACTOR SHALL CONTACT THE ENGINEER FOR SPECIFICATION SECTIONS FOR ITEMS SUCH AS LANDSCAPING AND IRRIGATION THAT ARE AFFECTED BY THE WORK BUT NOT COMPLETELY DETAILED OR SPECIFIED ON THESE PLANS.

18. ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF LEE'S SUMMIT, MISSOURI STANDARDS AND SPECIFICATIONS.

WETLANDS NOTICE:

1. ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION, OR FILLING IN A U.S. CORPS OF ENGINEERS DESIGNATED WETLAND IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/DEVELOPER, THE ENGINEER AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.

WARRANTY/DISCLAIMER:

1. THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A TEMPORARY BASIS AT THE SITE.

FLOOD CERTIFICATION:

1. THE ENTIRE SITE IS LOCATED WITHIN ZONE X, "AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN" AS DEPICTED ON THE FEMA FLOOD INSURANCE RATE MAP (FIRM) MAP NUMBER 29095C 0416G, REVISION DATE JANUARY 20, 2017

OIL/GAS WELLS:

NO OIL OR GAS WELLS LOCATED WITHIN THE PROJECT LIMITS.

INFORMATION OBTAINED FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES, GEOLOGICAL SURVEY GEOSCIENCES TECHNICAL RESOURCE ASSESSMENT TOOL (GEOSTRAT).

DEMOLITION NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR RAISING AND REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.

2. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

3. ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE OWNER'S SITE WORK SPECIFICATIONS.

4. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE AND ADJUSTMENTS DUE TO CONFLICTS OR GRADING TO ANY EXISTING STRUCTURES OR UNDERGROUND UTILITIES THAT ARE TO REMAIN IN PLACE.

5. ALL ITEMS DESIGNATED TO BE DEMOLISHED AND REMOVED FROM THE SITE SHALL BE DISPOSED OF IN AN APPROPRIATE LOCATION IN ACCORDANCE WITH STATE OR LOCAL GUIDELINES.

6. PUBLIC STREETS AND SIDEWALKS SHALL BE KEPT CLEAN AND CLEAR OF TRASH AND DEBRIS FROM DEMOLITION OPERATIONS AT ALL TIMES.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST AND EROSION CONTROL DURING DEMOLITION OPERATIONS.

8. THE CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE UTILITY COMPANIES PRIOR TO REMOVAL OR RELOCATION OF ANY UTILITIES AND TO SAFELY STOP SERVICES AND DISMANTLE SERVICE LINES PRIOR TO BEGINNING DEMOLITION OPERATIONS.

9. CONTRACTOR IS TO REMOVE AND RE-USE SEWER PIPES, POWER POLES AND GUY WIRES, WATER LINES AND METERS, VEGETATION, ASPHALT, AND OTHER UNSUITABLE DEBRIS OR MATERIAL SHOWN OR NOT SHOWN WITHIN CONSTRUCTION LIMITS AND WHERE NECESSARY TO ALLOW FOR CONSTRUCTION ACTIVITY. ALL MATERIAL TO BE REMOVED AS UNCLASSIFIED EXCAVATION.

10. ALL CAVITIES CREATED BY REMOVAL OF EXISTING FACILITIES IN THE AREA OF PROPOSED CONSTRUCTION SHALL BE FILLED AND COMPACTED IN ACCORDANCE WITH THE SITE WORK SPECIFICATIONS TO SUBGRADE ELEVATION.

11. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN THE VICINITY OF EXISTING OVERHEAD ELECTRICAL POWER LINES.

12. EXISTING UTILITIES ARE SHOWN AS LOCATED AND IDENTIFIED IN THE FIELD BY UTILITY COMPANY REPRESENTATIVE. THE OWNER AND THE ENGINEER MAKE NO ASSURANCE OF THE ACTUAL LOCATION, DEPTH, SIZE OR TYPE OF UTILITY LINES SHOWN. THE OWNER AND THE ENGINEER MAKES NO ASSURANCE THAT ALL OF THE EXISTING UTILITY LINES ON THE SITE ARE SHOWN.

GRADING AND CLEARING NOTES:

1. EXISTING UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION WORK. ANY DAMAGE TO EXISTING STRUCTURES, UTILITIES, FENCES AND/OR INCIDENTALS NOT DESIGNATED FOR REMOVAL SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

2. CONTRACTOR SHALL ADHERE TO THE "DESIGN AND CONSTRUCTION MANUAL" SECTION 2100 AS ADOPTED BY THE CITY OF LEES SUMMIT, MISSOURI (LATEST EDITION), FOR EXCAVATION AND EMBANKMENT WORK WITHIN THE PROPOSED DRIVE LANES.

3. CONTRACTOR SHALL PROVIDE A LEVEL BUILDING PAD BASED UPON PROPOSED FINISHED FLOOR ELEVATION TO ± 0.10' OR AS ESTABLISHED THROUGH ALTERNATIVE BID DOCUMENTS.

4. PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH A MINIMUM OF FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

5. AREAS OF CONSTRUCTION SHALL BE STRIPPED OF ALL VEGETATION, ORGANIC MATTER AND TOPSOIL TO A DEPTH AS RECOMMENDED BY GEOTECHNICAL ENGINEER AND/ OR TESTING AGENCY. SOILS REMOVED DURING SITE STRIPPING SHOULD BE EVALUATED TO DETERMINE IF PORTIONS OF THE TOPSOIL STRATUM MAY BE UTILIZED AS STRUCTURAL FILL WITHIN PAVEMENT AREAS. ANY MATERIAL NOT DEEMED AS SUITABLE FILL MATERIAL BY THE GEOTECHNICAL ENGINEER AND/ OR TESTING AGENCY SHALL BE REMOVED FROM THE JOB SITE BY THE CONTRACTOR AT HIS EXPENSE.

6. ALL EMBANKMENT SHOULD BE PLACED IN CONTROLLED LIFTS HAVING A MAXIMUM LOOSE LIFT THICKNESS OF 9". EMBANKMENT PLACED WITHIN THE PAVEMENT AREAS SHOULD BE COMPACTED TO A MINIMUM OF 95% OF THE MATERIALS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698 (STANDARD PROCTOR COMPACTION). EMBANKMENT PLACED WITHIN THE BUILDING AREAS SHOULD BE COMPACTED TO A MINIMUM OF 95% OF THE MATERIALS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698 (STANDARD PROCTOR COMPACTION). MOISTURE CONTENT OF THE FILL AT THE TIME OF COMPACTION SHALL BE WITHIN A RANGE OF 0 TO 4 PERCENT ABOVE OPTIMUM MOISTURE CONTENT AS DEFINED BY THE STANDARD PROCTOR COMPACTION PROCEDURE. ALL EMBANKMENT PLACED WITHIN 18" OF THE BUILDING SUBGRADE SHOULD HAVE A LIQUID LIMIT LESS THAN 60. THE GEOTECHNICAL REPORT SHALL SUPERSEDE RECOMMENDATIONS AS STATED IN THIS PLAN SET.

UTILITY CONSTRUCTION NOTES:

1. PRIOR TO INSTALLATION OF ANY PROPOSED UTILITY THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL CROSSINGS WITH EXISTING UTILITIES AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF CONFLICTS WITH EXISTING UTILITIES.

2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO RELOCATE AND/OR ADJUST ALL EXISTING UTILITIES THAT CONFLICT WITH PROPOSED SITE IMPROVEMENTS.

3. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS: ALL STORM DRAIN PIPE BEDDING SHALL BE INSTALLED PER CITY STANDARD DETAILS. ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND ENDS OF FLARED END SECTIONS.

4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION.

5. TELEPHONE CONDUIT SHALL HAVE A MINIMUM COVER OF 30". CONDUIT SHALL BE DUAL 4" SCHEDULE 40 PVC. CONTRACTOR SHALL COORDINATE LOCATION WITH THE UTILITY REPRESENTATIVE AND LOCATE PVC CROSSINGS AS NECESSARY. SEE ELEC. PLANS FOR ENTRANCE LOCATIONS.

6. FOR ALL SERVICE LINE ENTRANCE LOCATIONS WITHIN THE BUILDING, INCLUDING ROOF DRAIN CONNECTIONS, SEE ARCHITECTURAL PLANS AND DETAILS.

7. ALL WATER SERVICE LINES SHALL BE A MINIMUM OF 48" BELOW FINISHED GRADE.

8. ALL SANITARY SEWER LINES SHALL BE SDR-26 WITH 42" MIN. COVER.

9. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS A MINIMUM OF 48 HOURS PRIOR TO DISRUPTION.

10. ALL ELECTRIC AND TELEPHONE, INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTION'S SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.

11. PRIOR TO ORDERING PRECAST STRUCTURES, SHOP DRAWINGS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL.

12. ALL PRIVATE INSTALLATIONS SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS AS ADOPTED BY THE CITY OF LEE'S SUMMIT, MISSOURI.

13. EXTENSION OF BOTH DOMESTIC WATER SERVICE AND FIRE PROTECTION LINE MAY NOT BE PROVIDED UNTIL PUBLIC MAIN HAS BEEN TESTED AND ACCEPTED BY WRITTEN AUTHORIZATION FROM LEE'S SUMMIT WATER DEPARTMENT.

14. CONTRACTOR TO CONTACT LEE'S SUMMIT WATER SERVICES DEPARTMENT FOR MAIN LINE TAP AND METER SET A MINIMUM OF 48 HOURS PRIOR TO CONNECTION.

17. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL THE APPROPRIATE PERMITS HAVE BEEN PULLED FROM THE CITY OF LEE'S SUMMIT AND/OR JACKSON COUNTY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.

18. ALL ELECTRICAL CONDUIT SHALL BE SCHEDULE 40 ELECTRICAL PVC, AS CALLED OUT AND HAVE AN AVERAGE OF 36" TO 42" COVER WITH A MINIMUM OF 30" CONFORMING TO THE CURRENT REGULATIONS SET FORTH BY MISSOURI PUBLIC SERVICE. SEE MECH. PLANS FOR ENTRANCE LOCATIONS.

19. CONTRACTOR SHALL MAKE APPLICATION WITH SPIRE ENERGY FOR PROPOSED METER.

SITE DISTURBANCE NOTES:

1. THE INTENT OF THIS EROSION CONTROL PLAN IS TO ASSIST THE CONTRACTOR IN THEIR RESPONSIBILITY TO PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND LABOR NECESSARY TO CONTROL EROSION, SILTATION AND DISCHARGES OF SOIL MATERIAL (SEDIMENT) INTO DOWNSTREAM SYSTEMS OR RECEIVING CHANNELS. THIS SHALL BE REQUIRED DURING ALL PHASES OF CONSTRUCTION AND UNTIL SUITABLE GROUND COVER IS ESTABLISHED FOR ALL DISTURBED AREAS. IF ANY METHOD OF CONTROL FAILS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY, SO THAT THE OWNER OR THEIR AGENT CAN REVIEW THE CONTRACTOR'S PROPOSED METHOD OF REPAIR.

THIS PLAN INDICATES THE CRITICAL AREA(S) OF CONCERN TO BE CONTROLLED AS A MINIMUM. THE CONTROL MAY CONSIST OF TEMPORARY CONTROL MEASURES AS SHOWN ON THE PLANS OR ORDERED BY THE OWNER DURING THE LIFE OF THE CONTRACT TO CONTROL EROSION OR WATER POLLUTION, THROUGH THE USE OF BERMS, DIKES, DAMS, SEDIMENT BASINS, FIBER MATS, NETTING, GRAVEL, MULCHES, GRASSES, SLOPE DRAINS, DIVERSION SWALES OR OTHER EROSION CONTROL DEVICES OR METHODS. THE OWNER HAS THE AUTHORITY TO LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY THE CONSTRUCTION OPERATIONS AND TO DIRECT THE CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT STREAMS OR OTHER WATER COURSES, LAKES, PONDS, OR OTHER AREAS OF WATER IMPOUNDMENT OR CONVEYANCES.

THE TEMPORARY POLLUTION CONTROL PROVISIONS CONTAINED HEREIN SHALL BE COORDINATED WITH ANY PERMANENT EROSION CONTROL FEATURES SPECIFIED ELSEWHERE IN THE CONTRACT TO THE EXTENT PRACTICAL TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS EROSION CONTROL THROUGHOUT THE CONSTRUCTION AND POST CONSTRUCTION PERIOD.

2. THIS SEDIMENTATION CONTROL PLAN MAKES USE OF THE FOLLOWING APPLICATIONS:

— x — PRESERVATION OF EXISTING VEGETATION

— x — SEDIMENT BARRIERS

— x — SEDIMENT TRAPS

— x — INLET PROTECTION

— — — OUTLET PROTECTION

— — — SOIL RETAINING SYSTEMS

— — — SLOPE DRAINS

— — — SUBSURFACE DRAINS

PHYSICAL DESCRIPTION OF EACH SPECIFIC SEDIMENT CONTROL DEVICE TO BE UTILIZED IS CALLED OUT ON THE PLANS WITH INSTALLATION PROCEDURES, CONSTRUCTION SPECIFICATIONS AND MAINTENANCE ARRANGEMENT AS CALLED FOR ON THE DETAIL SHEET. IN ADDITION TO THE MEASURES SPECIFIED, THE FOLLOWING GENERAL PRACTICES SHALL BE ADHERED TO WHEN APPLICABLE.

A) CLEARING AND GRUBBING WITHIN 50' OF A DEFINED DRAINAGE COURSE SHOULD BE AVOIDED WHEN POSSIBLE. WHERE CHANGES TO A DEFINED DRAINAGE COURSE OCCUR, WORK SHOULD BE DELAYED UNTIL ALL MATERIALS AND EQUIPMENT NECESSARY TO PROTECT AND COMPLETE THE DRAINAGE CHANGE ARE ON SITE. CHANGES SHALL BE COMPLETED AS QUICKLY AS POSSIBLE ONCE THE WORK HAS BEEN INITIATED. THE AREA IMPACTED BY THE CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED OR PROTECTED FROM EROSION AS SOON AS POSSIBLE, AREAS WITHIN 50' OF A DEFINED DRAINAGE WAY SHOULD BE RECONTOURED AS NEEDED OR OTHERWISE PROTECTED WITHIN FIVE (5) WORKING DAYS AFTER GRADING HAS CEASED.

B) WHERE SOIL DISTURBING ACTIVITIES CEASE IN AN AREA FOR MORE THAN 14 DAYS, THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE EROSION CONTROL MEASURES. IF THE SLOPE OF THE AREA IS GREATER THAN 3:1 OR IF THE SLOPE IS GREATER THAN 3% AND GREATER THAN 150 FEET IN LENGTH, THEN THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE EROSION CONTROL MEASURES IF ACTIVITIES CEASE FOR MORE THAN SEVEN (7) DAYS.

C) EXISTING VEGETATION SHALL BE PRESERVED TO THE EXTENT AND WHERE PRACTICAL. IN NO CASE SHALL DISTURBED AREAS REMAIN WITHOUT VEGETATIVE GROUND COVER FOR A PERIOD IN EXCESS OF 60 DAYS.

D) ADDITIONAL SITE MANAGEMENT PRACTICES WHICH SHALL BE ADHERED TO DURING THE CONSTRUCTION PROCESS SHALL INCLUDE:

SOLID AND HAZARDOUS WASTE MANAGEMENT INCLUDING PROVIDING TRASH CONTAINERS AND REGULAR SITE CLEAN UP FOR PROPER DISPOSAL OF SOLID WASTE SUCH AS BUILDING MATERIAL, PRODUCT/MATERIAL SHIPPING WASTE, FOOD CONTAINERS AND CUPS, AND PROVIDING CONTAINERS FOR THE PROPER DISPOSAL OF WASTE PAINTS SOLVENTS, AND CLEANING COMPOUNDS.

PROVISIONS OF PORTABLE TOILETS FOR PROPER DISPOSAL OF SANITARY SEWAGE.

STORAGE OF CONSTRUCTION MATERIALS AWAY FROM DRAINAGE COURSES AND LOW AREAS.

INSTALLATION OF CONTAINMENT BERMS AND USE OF DRIP PANS AT PETROLEUM PRODUCT AND LIQUID STORAGE TANKS AND CONTAINERS.

3. ALL DISTURBED AREAS SHALL BE SEEDED, FERTILIZED AND MULCHED, OR SODDED, IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS ADOPTED BY THE REVIEWING GOVERNING AGENCY AND GOOD ENGINEERING PRACTICES. THIS SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER COMPLETING THE WORK, IN ANY AREA. IF THIS IS OUTSIDE OF THE SEEDING PERIOD, SILT BARRIERS OR OTHER SIMILARLY EFFECTIVE MEASURES SHALL BE PROVIDED UNTIL SUCH TIME THAT THE AREAS CAN BE SEEDED.

4. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL CURRENT STANDARDS AND SPECIFICATIONS ADOPTED BY THE REVIEWING GOVERNING AGENCY. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING ALL ADDITIONAL STANDARDS, SPECIFICATIONS OR REQUIREMENTS WHICH ARE REQUIRED BY GOVERNING AGENCIES (INCLUDING LOCAL, STATE AND FEDERAL AUTHORITIES) HAVING JURISDICTION OVER THE WORK PROPOSED BY THESE CONSTRUCTION DRAWINGS.

5. ALL EROSION CONTROL MEASURES, TEMPORARY OR PERMANENT, REQUIRE MAINTENANCE TO PRESERVE THEIR EFFECTIVENESS. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE OCCURRENCE OF A 2-YR, 24-HR STORM EVENT, OR ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE OCCURRENCE OF A STORM EVENT OF 0.25-INCHES OF PRECIPITATION OR GREATER. ANY REQUIRED REPAIRS SHOULD BE MADE IMMEDIATELY. ALL COSTS ASSOCIATED WITH THE REPAIR WORK, INCLUDING RELATED INCIDENTALS ASSOCIATED WITH THE REPAIR WORK, WILL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID FOR THE PROPOSED WORK.

LEGEND	
GENERAL	
	ACU AIR CONDITIONING UNIT
	AST ARROW STRAIGHT
	ATL ARROW TURN LEFT
	ATR ARROW TURN RIGHT
	BLB BILLBOARD
	BOV BLOW OFF VALVE
	BSH BUSH
	COL COLUMN
	CTR CONIFEROUS TREE
	DRN DRAIN GRATE
	DTR DECIDUOUS TREE
	FLP FLAG POLE
	GPD GUARD POST
	GUY GUY POLE
	GRE GREASE TRAP
	GUY GUY WIRE
	HCP ACCESSABLE PARKING MARKER
	LST LIFT STATION
	MLB MAILBOX
	MP MILE POST MARKER
	MWL MONITORING WELL
	PIV POST INDICATOR VALVE
	PPT PROPANE TANK
	RAT RADIO TOWER
	SAD SATELLITE
	SCV SPRINKLER CONTROL VALVE
	SGN SIGN
	SLB STREET LIGHT BOX
	SLC STREET LIGHT CABINET
	SPB SPRINKLER BOX
	SPH SPRINKLER HEAD
	STP STUMP
	SV SEWER VALVE
	TCB TRAFFIC CONTROL BOX
	TSA TRAFFIC SIGNAL WITH MAST ARM
	TSC TRAFFIC SIGNAL CABINET
	TSMH TRAFFIC SIGNAL MANHOLE
	TSP TRAFFIC SIGNAL POLE
	TRE EXISTING TREELINE
	GMT PROPOSED TREELINE
	SIW EXISTING SIDEWALK
	SDS PROPOSED SIDEWALK
	FSW FUTURE SIDEWALK
	EBL EXISTING BUILDINGS
	PBL PROPOSED BUILDINGS
	FBL FUTURE BUILDINGS
	EEP EXISTING EDGE OF PAVEMENT
	PEP PROPOSED EDGE OF PAVEMENT
	FEP FUTURE EDGE OF PAVEMENT
	ERL EXISTING ROADWAY CENTER LINE
	PRL PROPOSED ROADWAY CENTER LINE
	FRL FUTURE ROADWAY CENTER LINE
	ECR EXISTING CURB & GUTTER
	PCR PROPOSED CURB & GUTTER
	FCR FUTURE CURB & GUTTER
	R RADIUS
	L ARC DISTANCE
	D DELTA / CENTRAL ANGLE
EASEMENTS & SETBACKS	
	A.E. ACCESS EASEMENT
	B.M.P. BEST MANAGEMENT PRACTICE EASEMENT
	B.L. BUILDING SETBACK
	C.T.V.E. CABLE TV EASEMENT
	C.E. CONSERVATION EASEMENT
	C.G.E. CONSTRUCTION GRADING EASEMENT
	F.P.E. FLOOD PLAIN EASEMENT
	F.O.E. FIBER OPTIC EASEMENT
	F.P.S.E. FIRE PROTECTION SYSTEM EASEMENT
	F.L.E. FUEL LINE EASEMENT
	L.S.E. LANDSCAPE EASEMENT
	G.E. NATURAL GAS EASEMENT
	T.E. TELEPHONE EASEMENT
	E.E. POWER/ELECTRIC EASEMENT
	P.S. PARKING SETBACK
	S.B. STREAM BUFFER
	S.D.E. SURFACE DRAINAGE EASEMENT
	SIGHT DIST. ESM. SIGHT DISTANCE EASEMENT
	S.E. SANITARY SEWER EASEMENT
	S.L.E. STEAM LINE EASEMENT
	D.E. STORM DRAINAGE EASEMENT
	S.W.M.E. STORM WATER MANAGEMENT EASEMENT
	T.C.D.S.E. TEMPORARY CUL-DE-SAC EASEMENT
	TEMP. ESM.T. TEMPORARY EASEMENT
	TRAIL ESM.T. TRAIL PATH EASEMENT
	U.E. UTILITY EASEMENT
	W.E. WATER EASEMENT
	F.Y.S. FRONT YARD SETBACK
	R.Y.S. REAR YARD SETBACK
	S.Y.S. SIDE YARD SETBACK
CONTOURS	
	-100- EXISTING INDEX CONTOURS
	-100- EXISTING INTERMEDIATE CONTOURS
	-100- PROPOSED INDEX CONTOURS
	-100- PROPOSED INTERMEDIATE CONTOURS
SURVEY MARKERS	
	BMK BENCHMARK
	CPT CONTROL POINT
	FND FOUND MONUMENT
	ROW ROW MARKER
	SCR SECTION CORNER
	SET SET MONUMENT
BOUNDARIES	
	--- SECTION LINE
	EFP EXISTING PROPERTY BOUNDARY
	PFP PROPOSED PROPERTY BOUNDARY
	--- EXISTING LOT LINE
	--- PROPOSED LOT LINE
	EFW EXISTING RIGHT-OF-WAY
	PFW PROPOSED RIGHT-OF-WAY
UTILITIES	
	CAB CABLE BOX
	CAV CABLE VAULT
	TPE TELEVISION PEDESTAL
	TVR TELEVISION RISER
	ETOVH EXISTING CABLE TV, OVERHEAD
	ECTV EXISTING CABLE TV, UNDERGROUND
	PTOVH PROPOSED CABLE TV, OVERHEAD
	PCTV PROPOSED CABLE TV, UNDERGROUND
	FOM FIBER OPTIC BOX
	FOMH FIBER OPTIC MANHOLE
	FOP FIBER OPTIC PEDESTAL
	FOPV FIBER OPTIC VAULT
	EFOH EXISTING FIBER OPTIC, OVERHEAD
	EFOU EXISTING FIBER OPTIC, UNDERGROUND
	PFOH PROPOSED FIBER OPTIC, OVERHEAD
	PFOU PROPOSED FIBER OPTIC, UNDERGROUND
	FDC FIRE DEPT. CONNECTION
	EFP EXISTING FIRE PROTECTION SYSTEM LINE
	PFP PROPOSED FIRE PROTECTION SYSTEM LINE
	EFL EXISTING FUEL LINE
	PFL PROPOSED FUEL LINE
	GAR GAS RISER
	GMH GAS MANHOLE
	GMR GAS MARKER
	GME GAS METER
	GRG GAS REGULATOR
	GVL GAS VALVE
	EGN EXISTING NATURAL GAS LINE
	PGN PROPOSED NATURAL GAS LINE
	TEC TELEPHONE CABINET
	TER TELEPHONE RISER
	TEV TELEPHONE VAULT
	TMH TELEPHONE MANHOLE
	ETELH EXISTING TELEPHONE LINE, OVERHEAD
	ETEL EXISTING TELEPHONE LINE, UNDERGROUND
	PTELH PROPOSED TELEPHONE LINE, OVERHEAD
	PTEL PROPOSED TELEPHONE LINE, UNDERGROUND
	GLT GROUND LIGHT
	LTP LIGHT POLE
	PWP POWER POLE
	TRF ELECTRICAL TRANSFORMER
	EBL ELECTRIC BOX
	ELC ELECTRIC CABINET
	ELR ELECTRIC RISER
	EMH ELECTRIC MANHOLE
	EMT ELECTRIC METER
	ESC ELECTRIC SECTIONALIZER
	EVT ELECTRIC VAULT
	YDL YARD LIGHT
	EEOH EXISTING POWER/ELECTRIC LINE, OVERHEAD
	EEU EXISTING POWER/ELECTRIC LINE, UNDERGROUND
	SCO SEWER CLEANOUT
	SSMH SANITARY MANHOLE
	ESS EXISTING SANITARY SEWER
	PSS PROPOSED SANITARY SEWER
	FSS FUTURE SANITARY SEWER
	ESL EXISTING STEAM LINE
	STL PROPOSED STEAM LINE
	SDMH STORM SEWER MANHOLE
	FESD FLARED END SECTION
	RDN ROOF DRAIN
	EEST EXISTING STORM SEWER
	PST PROPOSED STORM SEWER
	FH FIRE HYDRANT
	WMH WATER MANHOLE
	WMK WATER MARKER
	WMT WATER METER
	W



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- EXISTING CONDITIONS LEGEND**  
THIS LEGEND APPLIES TO ALL SHEETS IN THIS PLAN SET
- PROPERTY & ROW LINES
  - EASEMENT & SETBACK LINES
  - G— EXISTING GAS MAIN
  - SS— EXISTING SANITARY SEWER
  - P-OH— EXISTING OVERHEAD POWER
  - SD— EXISTING STORM SEWER
  - W— EXISTING WATER MAIN
  - 999- EXISTING MAJOR GRADE CONTOUR
  - 999- EXISTING MINOR GRADE CONTOUR

- DEMOLITION LEGEND**
- REMOVE EXISTING PAVEMENT
  - TREE REMOVAL

- SYMBOLS FOR EXISTING FEATURES**
- CABLE/TELEVISION BOX
  - POWER STRUCTURES/PEDESTALS
  - POWER POLE
  - STREET LIGHTING
  - TELEPHONE STRUCTURES/PEDESTALS
  - SANITARY SEWER MANHOLE
  - WATER VALVE
  - SIGN

**EXISTING INSTALLATION PROTECTION NOTE**

UNLESS EXPLICITLY INDICATED FOR DEMOLITION/REMOVAL IN THIS PLAN, ALL EXISTING IMPROVEMENTS, UTILITY INSTALLATIONS, ROW IMPROVEMENTS, ETCETERA, ARE TO BE PROTECTED AND REMAIN UNDISTURBED. CONTRACTOR SHALL CONTACT CIVIL ENGINEER WITH ANY CONFLICTS OR CONCERNS.

**TREE REMOVAL NOTE**

TREE REMOVAL TO HAVE BEEN COMPLETED WITH PREVIOUSLY PERMITTED MASS GRADING PLANS. NO EXISTING TREES ARE TO BE REMOVED AS PART OF THIS PROJECT.

**PROPERTY BOUNDARY NOTE**

PROPERTY BOUNDARY INCLUDING ALL RECORDED EASEMENTS ARE SHOWN AS CURRENTLY RECORDED. BOUNDARIES MAY BE UPDATED TO ALIGN WITH NEWLY RECORDED DOCUMENTS IF RECORDED PRIOR TO PERMIT BEING ISSUED.

**EASEMENT LEGEND**

- BL ZONED BUILD LINE
- RAW RIGHT-OF-WAY
- UE UTILITY EASEMENT
- WE WATER EASEMENT

**DEMOLITION PLAN NOTES**

- PRIOR TO ANY DEMOLITION EROSION CONTROL MEASURES AND CONSTRUCTION FENCING SHALL BE INSTALLED.
- THE CONTRACTOR SHALL COORDINATE ALL ITEMS TO BE SALVAGED AND/OR PROTECTED WITH SITE OWNER AND UTILITY OWNERS.
- THE CONTRACTOR SHALL NOT INTERRUPT ANY UTILITY SERVICES TO ANY ADJACENT PROPERTIES. SHOULD ANY INTERRUPTIONS BECOME NECESSARY, THE CONTRACTOR SHALL COORDINATE WITH THE ADJACENT PROPERTY AND UTILITY OWNER AND MINIMIZE THE LENGTH OF TIME THE UTILITY IS INTERRUPTED TO THE GREATEST EXTENT POSSIBLE.
- SECONDARY WIRING, SERVICES, IRRIGATION AND OTHER MINOR SITE IMPROVEMENTS THAT ARE NOT TO REMAIN IN SERVICE ARE TO BE DEMOLISHED AND REMOVED.
- ALL PAVEMENT SAWCUTS ARE TO BE MADE IN STRAIGHT, CLEAN LINES LEAVING A CLEAN AND STABLE EDGE AT FULL PAVEMENT DEPTH.
- ALL PCC PAVEMENT AND ALL CURB SHALL BE REMOVED TO NEAREST JOINT.
- ALL MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN STRICT CONFORMANCE WITH LOCAL CODES AND ORDINANCES.
- ALL TREE REMOVAL SHALL INCLUDE STUMPS AND ROOTS. DEPRESSIONS CREATED SHALL BE FILLED TO PROVIDE DRAINAGE.

NOTE: NO EXISTING OIL & GAS WELLS ARE LOCATED WITHIN THE PROJECT SITE PER MISSOURI DNR WEB SEARCH PERFORMED DECEMBER 2023.

MATCH LINE - SEE PLAN AT TOP RIGHT



**OFFSITE CULVERT**



MATCH LINE - SEE PLAN AT LEFT

EXISTING CONDITIONS

LONGVIEW MANSION PARKING ADDITION  
FINAL DEVELOPMENT PLANS

LEE'S SUMMIT, MO

2024

REVISIONS

BY



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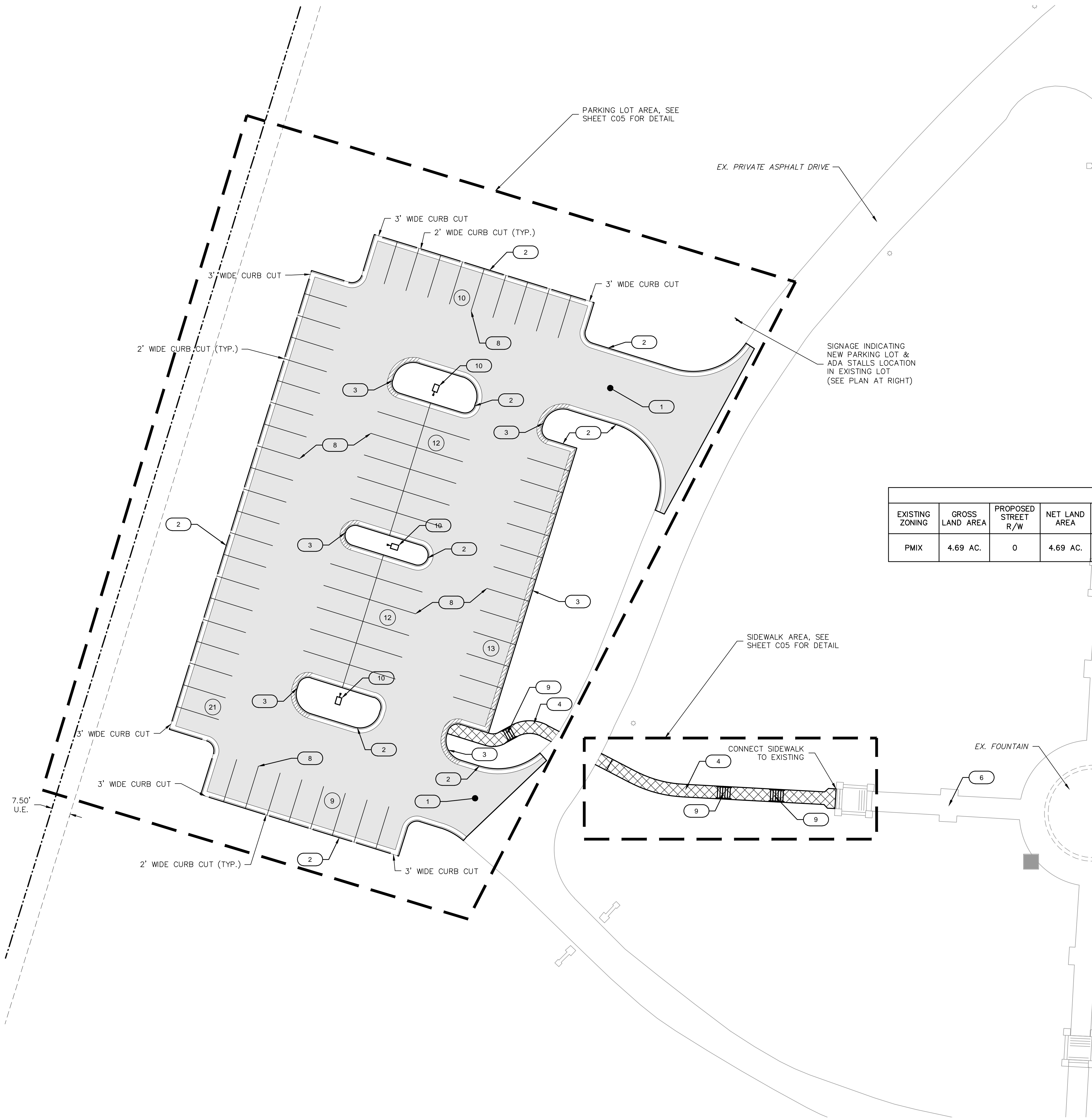
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checked by: \_\_\_\_\_  
approved by: \_\_\_\_\_  
QA/QC by: \_\_\_\_\_  
project no.: 022-06318  
drawing no.: C\_EXC01\_02206318  
date: 2024.03.01

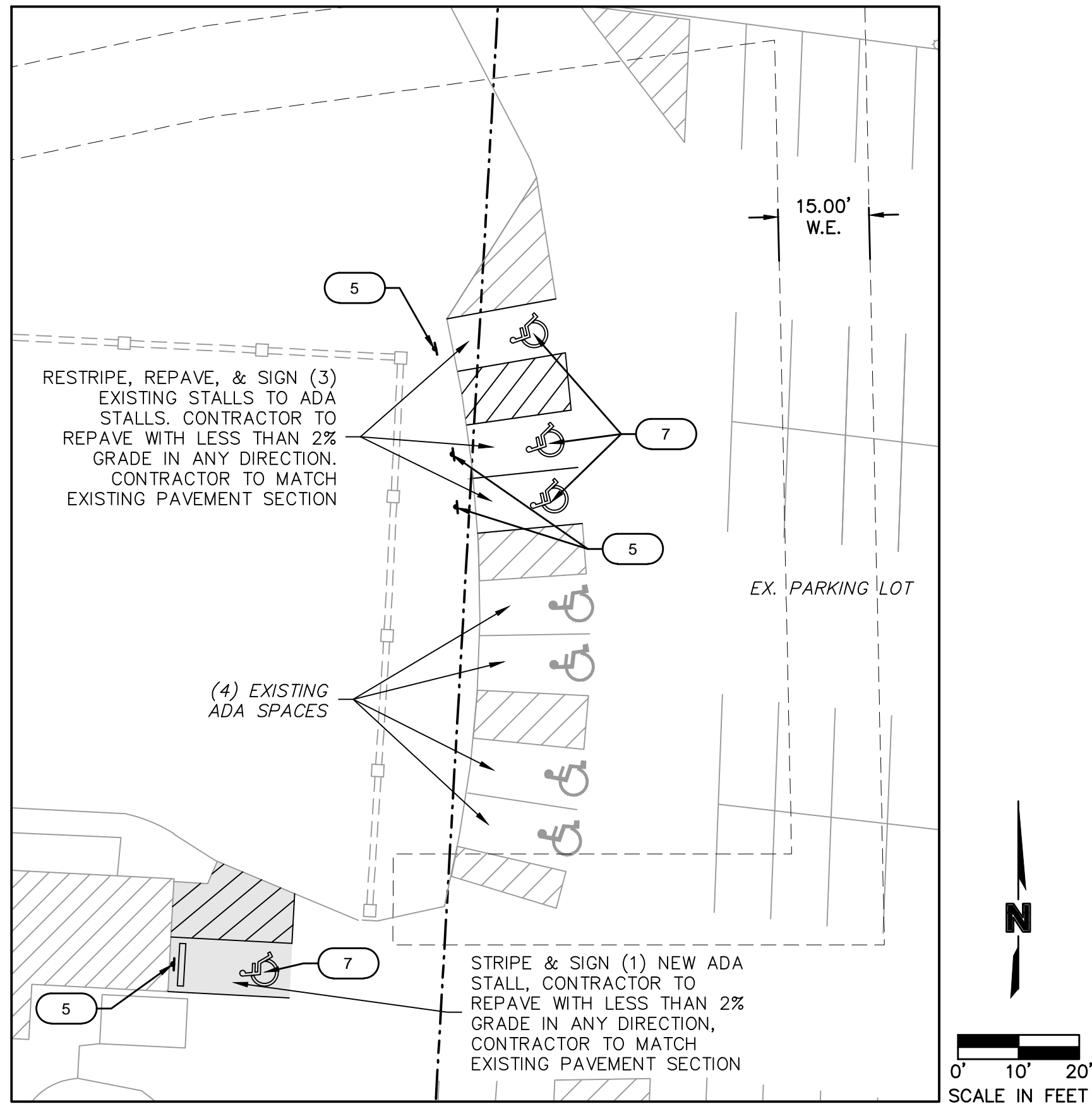
SHEET  
C03



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USER: ssaylor



ADA STALL LOCATION MAP

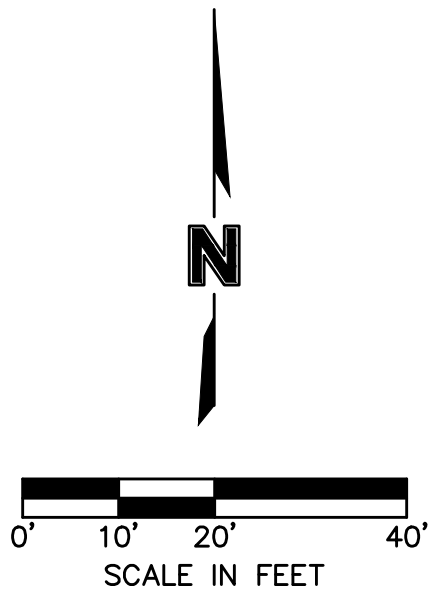


SITE DEVELOPMENT DATA												
EXISTING ZONING	GROSS LAND AREA	PROPOSED STREET R/W	NET LAND AREA	LAND USE	BUILDING FLOORS	BUILDING FLOOR AREA	BUILDING COVERAGE	F.A.R.	PARKING STALLS REQUIRED	PARKING STALLS PROVIDED	IMPERV. AREA (EX.)	IMPERV. AREA (PROP.)
PMIX	4.69 AC.	0	4.69 AC.	EVENT SPACE PARKING	N/A	N/A	N/A	N/A	75	77	8.25%	20.98%

LEGEND			
	CONCRETE SIDEWALK (See Detail Sheet)		CG-1 CURB & GUTTER (See Detail Sheet)
	STANDARD DUTY ASPHALT PAVEMENT (See Detail Sheet)		CG-1 CURB & GUTTER (DRY) (See Detail Sheet)
			NUMBER OF PARKING STALLS

CONSTRUCTION NOTES

- CONSTRUCT STANDARD DUTY ASPHALT PAVEMENT (SEE LEGEND AND DETAIL SHEET C11)
- TYPE CG-1 CONCRETE CURB AND GUTTER (SEE LEGEND AND DETAIL SHEET C11)
- TYPE CG-1 DRY CONCRETE CURB AND GUTTER (SEE LEGEND AND DETAIL SHEET C11)
- CONSTRUCT PRIVATE SIDEWALK (SEE DETAIL ON SHEET C11)
- PROPOSED ACCESSIBLE PARKING SIGN (SEE DETAIL SHEET C11)
- EXISTING PRIVATE SIDEWALK
- PROPOSED ACCESSIBLE STRIPING (TYP.) (SEE DETAIL SHEET C11)
- PROPOSED 4" WHITE THERMOPLASTIC PAVEMENT STRIPING (TYP.) (SEE DETAIL SHEET C11)
- PROPOSED CONCRETE STAIRS WITH HANDRAIL (SEE DETAIL SHEET C12)
- PROPOSED LIGHT POLES (SEE SITE LIGHTING PLANS FOR DETAILS)



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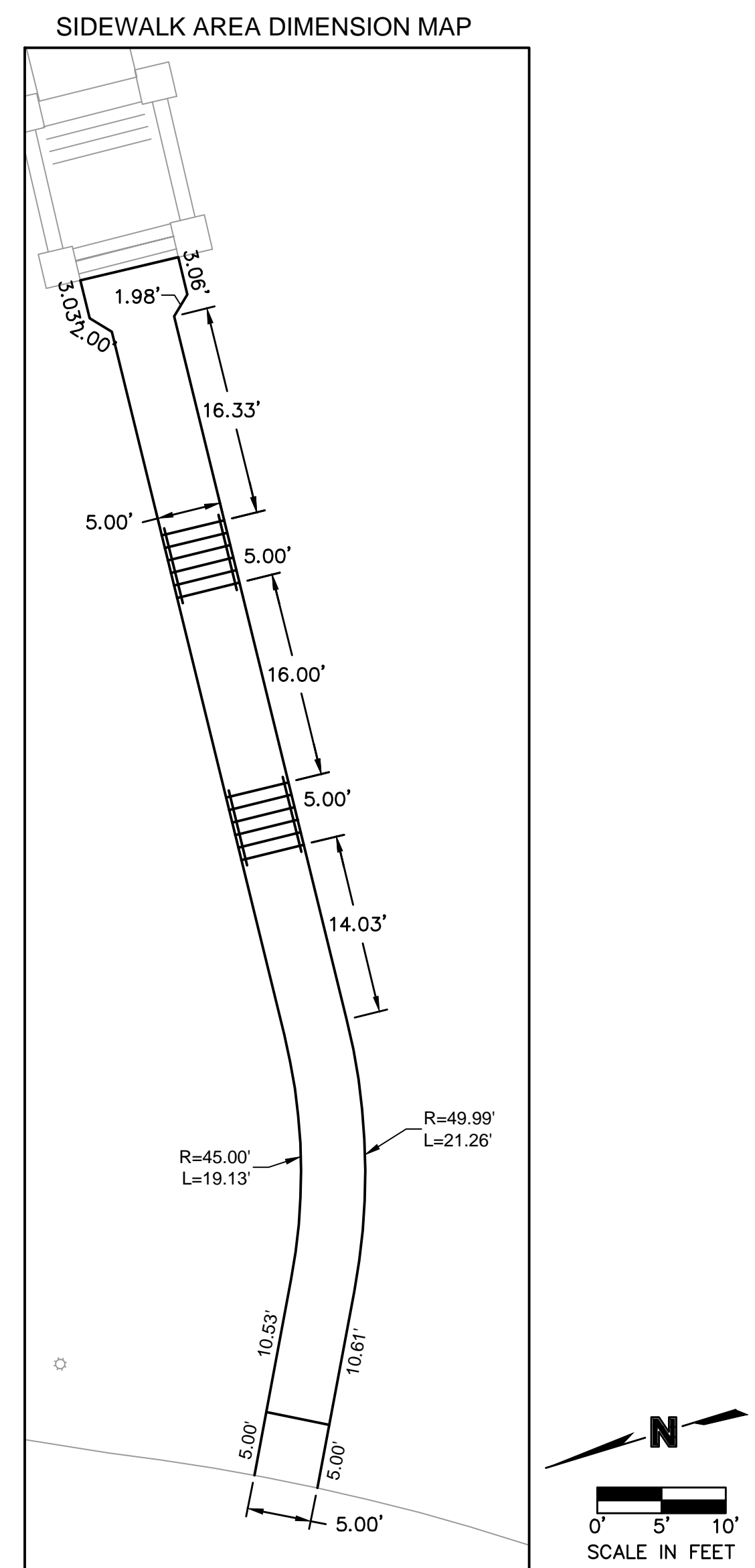
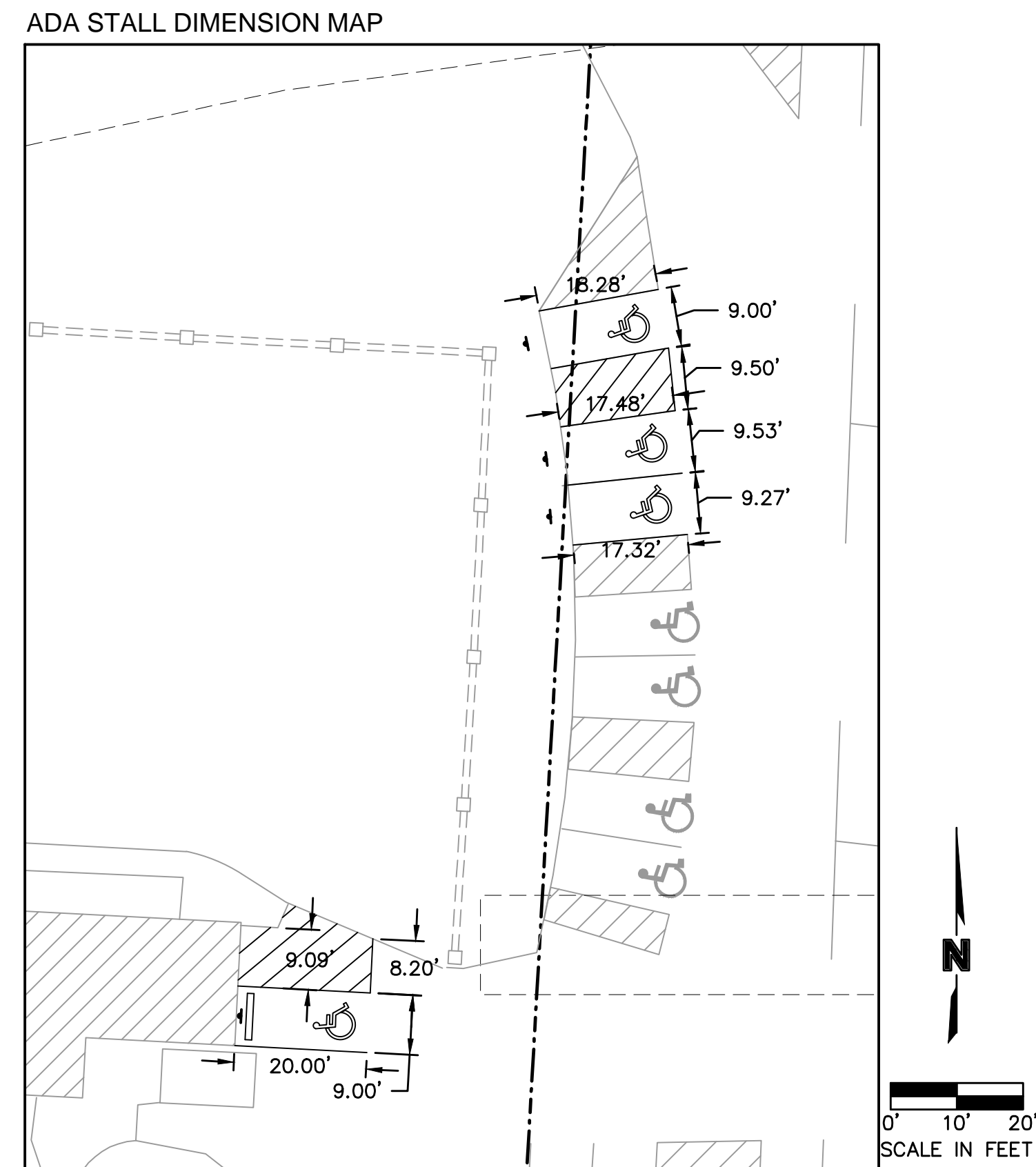
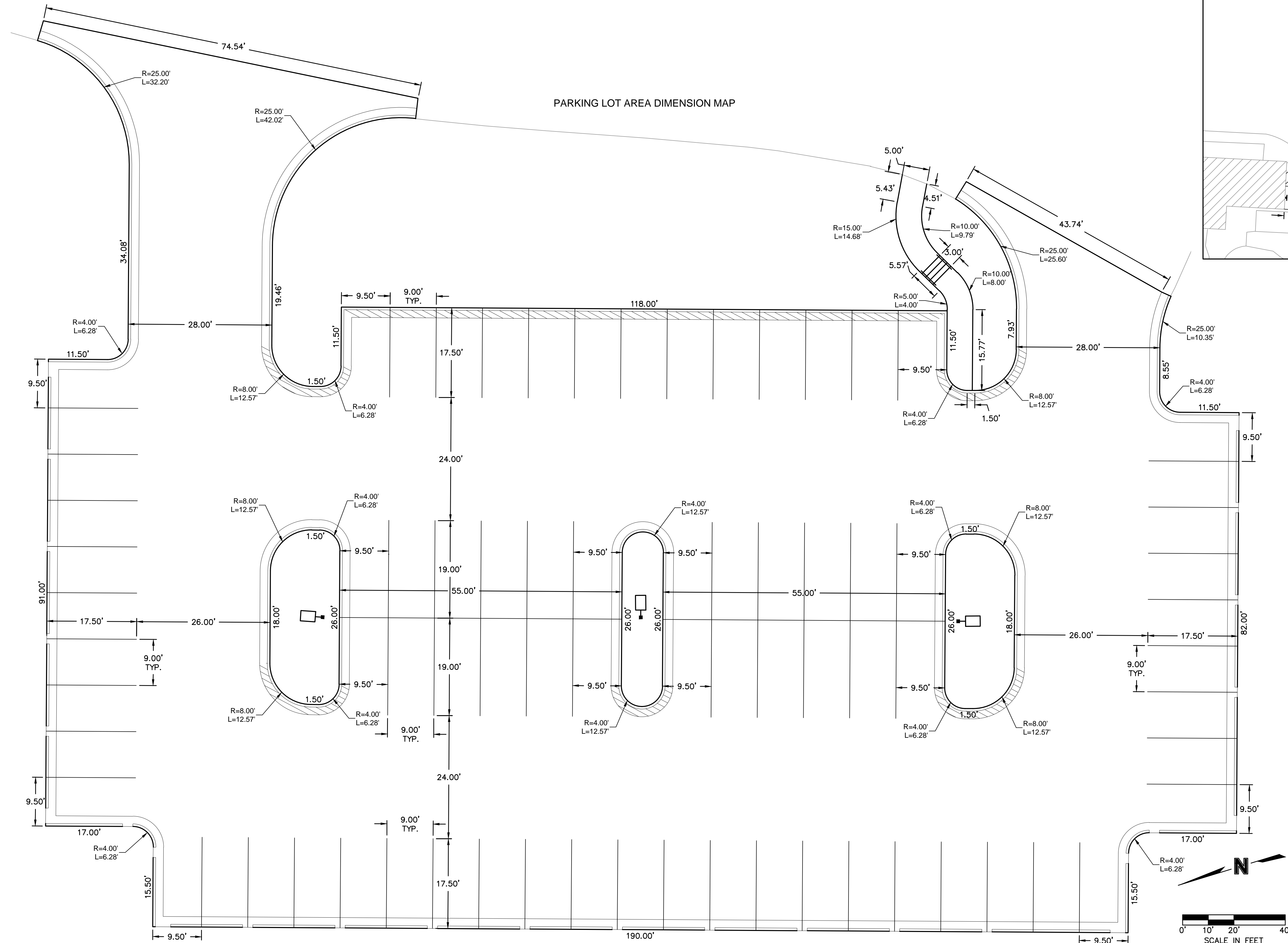
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REVISIONS DESCRIPTION	
DATE	
REV. NO.	

OVERALL SITE PLAN	2024
LONGVIEW MANSION PARKING ADDITION FINAL DEVELOPMENT PLANS	
LEE'S SUMMIT, MO	

drawn by:	CH
checked by:	DP
approved by:	SS
QA/QC by:	CH
project no.:	022-06318
drawing no.:	C_SIT01_02206318
date:	2024.03.01

SHEET
C04

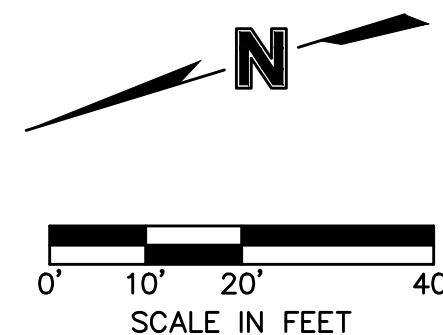
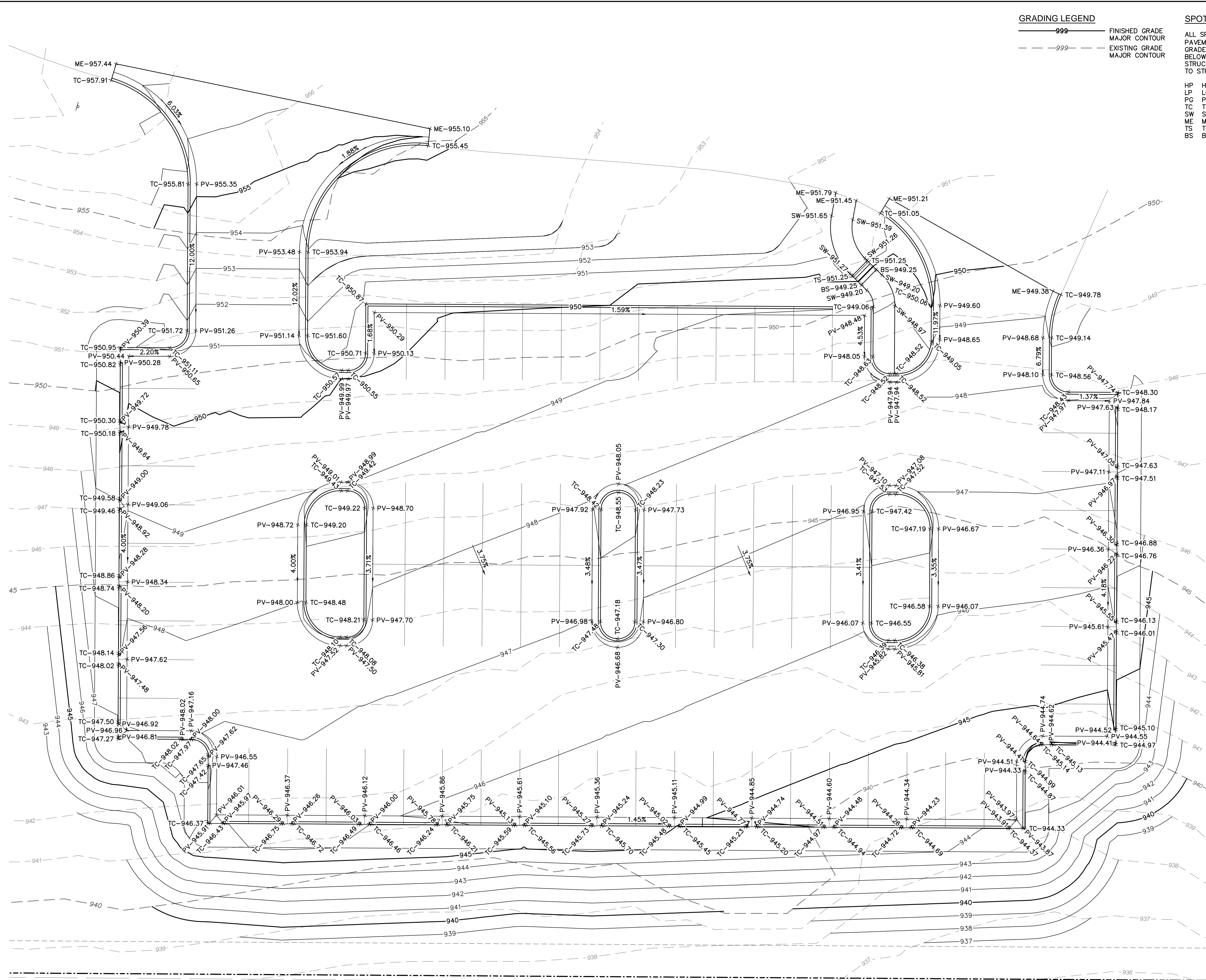
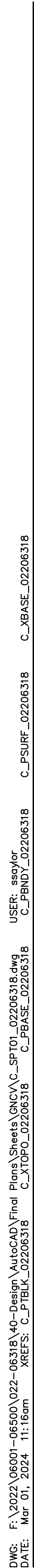


[illegible]









### GRADING LEGEND

— 999 — FINISHED GRADE  
— — — 999 — — — EXISTING GRADE

### SPOT ELEVATION LEGEND

ALL SPOT ELEVATIONS ARE TO EDGE OF PAVEMENT, LIP OF CURB, AND/OR FINISHED GRADE UNLESS OTHERWISE SPECIFIED AS BELOW. SPOT ELEVATIONS AT FACE OF STRUCTURES INDICATE FEATURES ADJACENT TO STRUCTURE, NOT THE STRUCTURE ITSELF.

HP	HIGH POINT
LP	LOW POINT
PG	PROPOSED GRADE
TC	TOP OF CURB AT BACK
SW	SIDEWALK
ME	MATCH EXISTING
TS	TOP OF STEP
BS	BOTTOM OF STEP

## SPOT ELEVATIONS

LONGVIEW MANSION PARKING ADDITION  
FINAL DEVELOPMENT PLANS

LEE'S SUMMIT, MO

SHEET  
C07

[illegible]

REVISIONS

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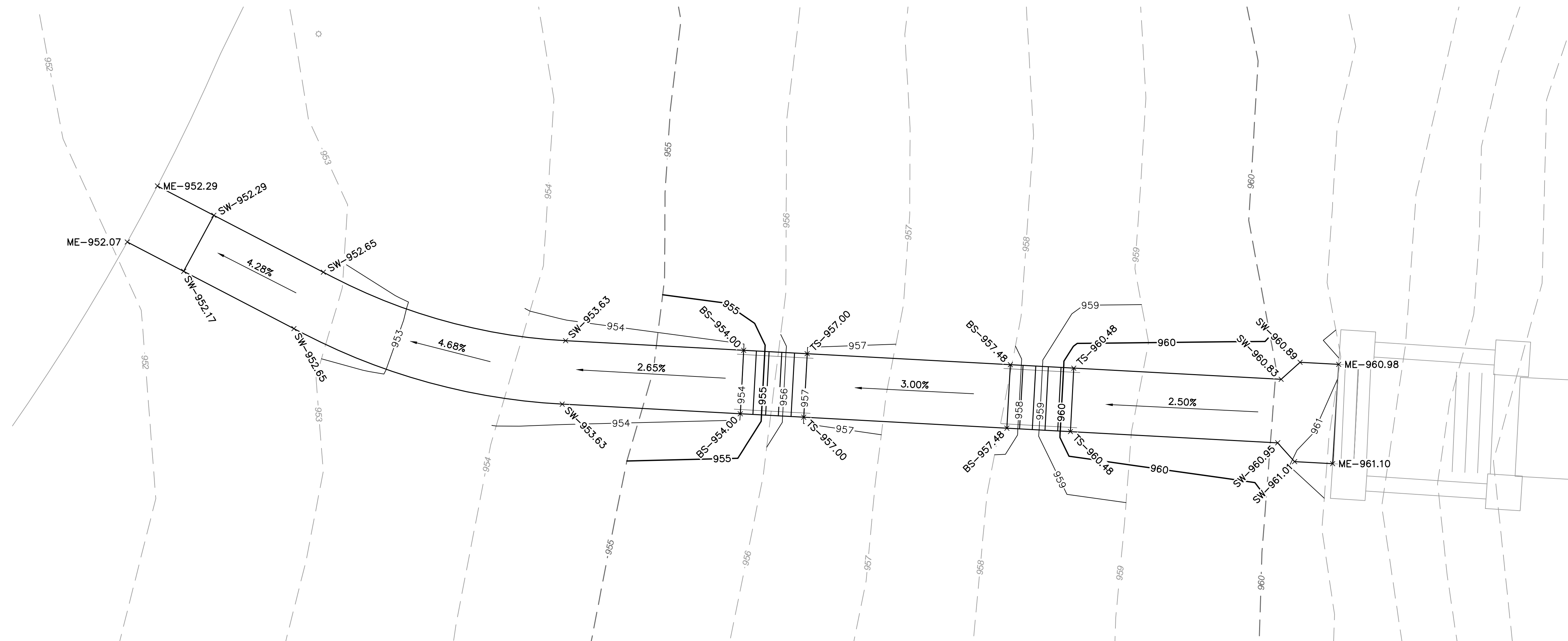
2024

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USER: ssaylor



A north arrow pointing upwards with the letter 'N' in the center. Below it is a scale bar marked from 0 to 10 feet, with intermediate markings at 2.5 and 5 feet.

### GRADING LEGEND

—————999————— FINISHED GRADE  
MAJOR CONTOUR

- - - - -999- - - - - EXISTING GRADE  
MAJOR CONTOUR

### SPOT ELEVATION LEGEND

ALL SPOT ELEVATIONS ARE TO EDGE OF PAVEMENT, LIP OF CURB, AND/OR FINISHED GRADE UNLESS OTHERWISE SPECIFIED AS BELOW. SPOT ELEVATIONS AT FACE OF STRUCTURES INDICATE FEATURES ADJACENT TO STRUCTURE, NOT THE STRUCTURE ITSELF.

HP HIGH POINT  
LP LOW POINT  
PG PROPOSED GRADE  
TC TOP OF CURB AT BACK  
SW SIDEWALK  
ME MATCH EXISTING  
TS TOP OF STEP  
BS BOTTOM OF STEP

[illegible]

## SPOT ELEVATIONS

LONGVIEW MANSION PARKING ADDITION  
FINAL DEVELOPMENT PLANS

LEE'S SUMMIT. MO

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checked by: \_\_\_\_\_ DP  
approved by: \_\_\_\_\_ SS  
QA/QC by: \_\_\_\_\_ CH  
project no.: \_\_\_\_\_ 022-06318  
drawing no.: C\_SPT01\_02206318  
date: \_\_\_\_\_ 2024.03.01

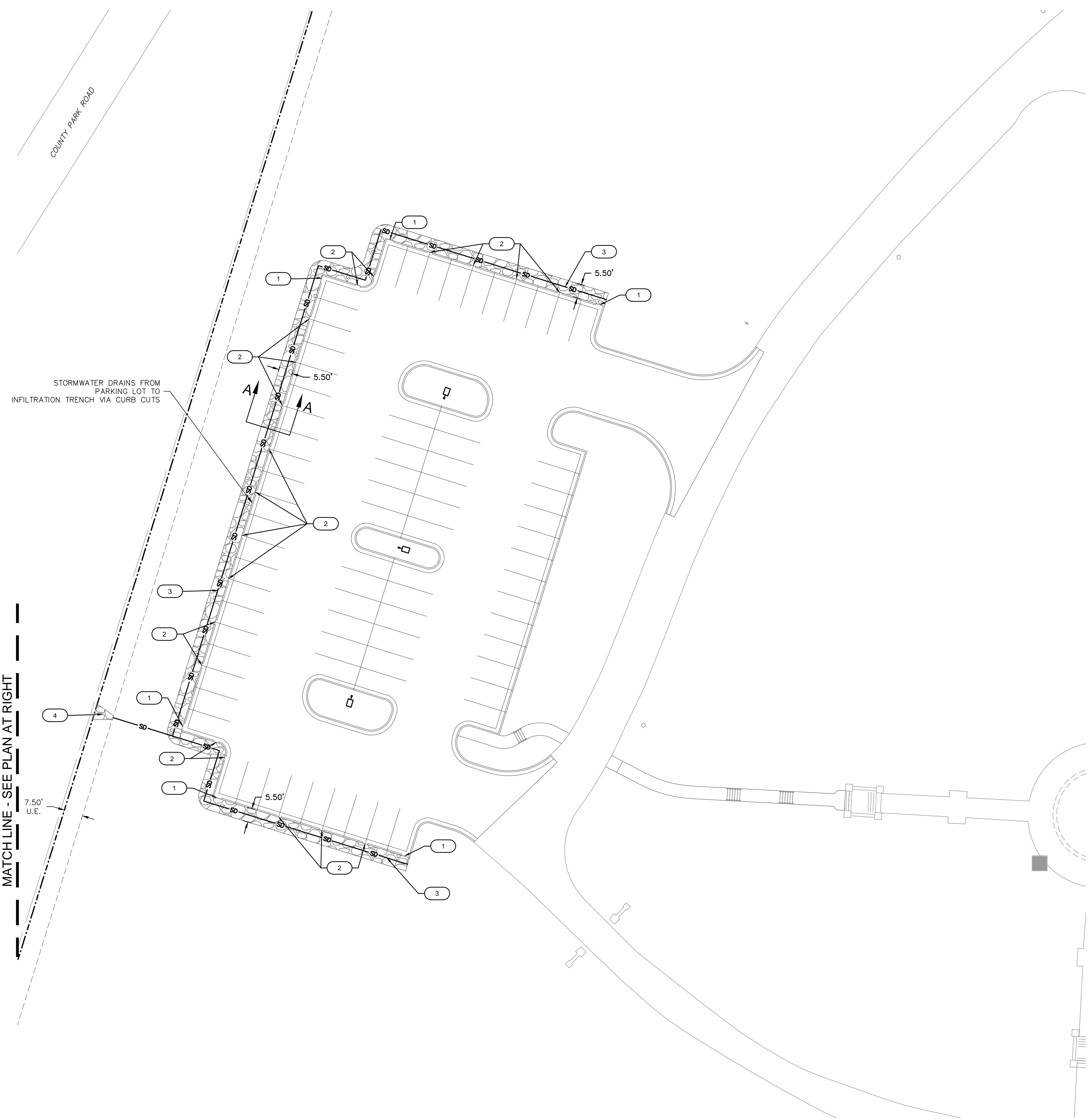
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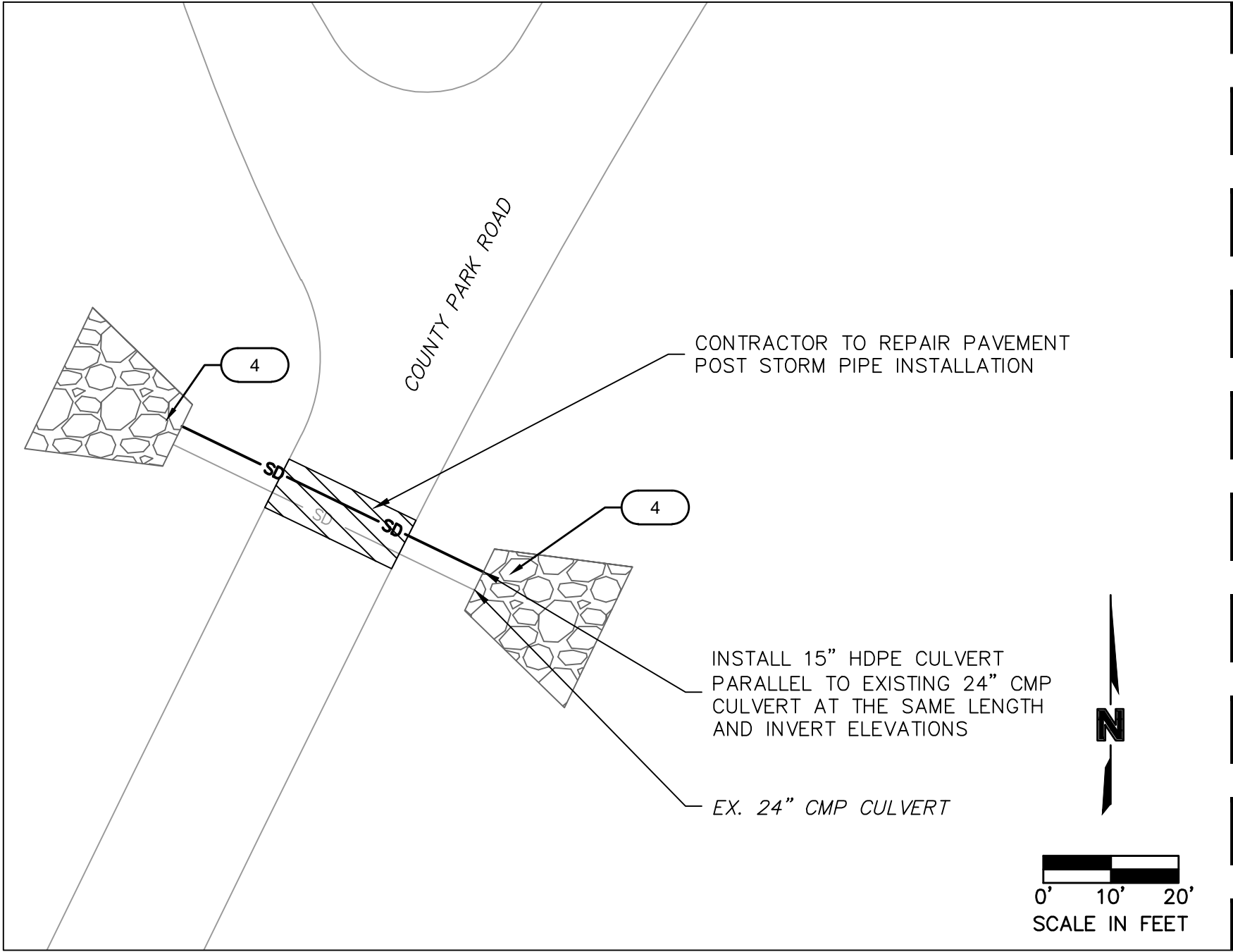
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USER: essaylor C\_XBASE\_02206318



OFFSITE CULVERT PLAN



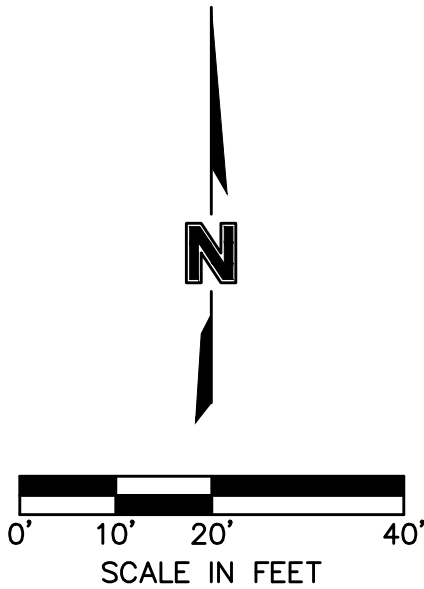
CONSTRUCTION NOTES

- 1 3' CURB CUT
- 2 2' CURB CUT
- 3 PROPOSED 6" INFILTRATION TRENCH, SEE SHEET C12 FOR DETAILS
- 4 PROPOSED CLASS 4 RIP RAP, SEE SHEET C12 FOR DETAILS

Riprap Calculations							
End Section	Q <sub>100</sub> (cfs)	Pipe Diameter (ft)	Class*	D50* (in)	Apron Length (ft)	Apron Depth (ft)	Area (SY)
E.S. 1-1	66	3.25	4	14	19.5	2.57	35.2
E.S. 2-1	66	3.25	4	14	19.5	2.57	35.2

\*Per Table 10.1 HEC 14-FHWA-Energy Dissipators Pg. 10-18

NOTE: NO PUBLIC OR PRIVATE WATER, SANITARY SEWER, OR STORM SEWER PROPOSED OTHER THAN 6" PERFORATED PIPE FOR INFILTRATION TRENCH & 15" CULVERT ACROSS OFFSITE COUNTY PARK ROAD.



MATCH LINE - SEE PLAN AT LEFT

drawn by: CH  
checked by: DP  
approved by: SS  
QA/QC by: CH  
project no.: 022-06318  
drawing no.: C\_UTL01\_02206318  
date: 2024.03.01

SHEET  
C09

BMP PLAN

LONGVIEW MANSION PARKING ADDITION  
FINAL DEVELOPMENT PLANS

LEE'S SUMMIT, MO

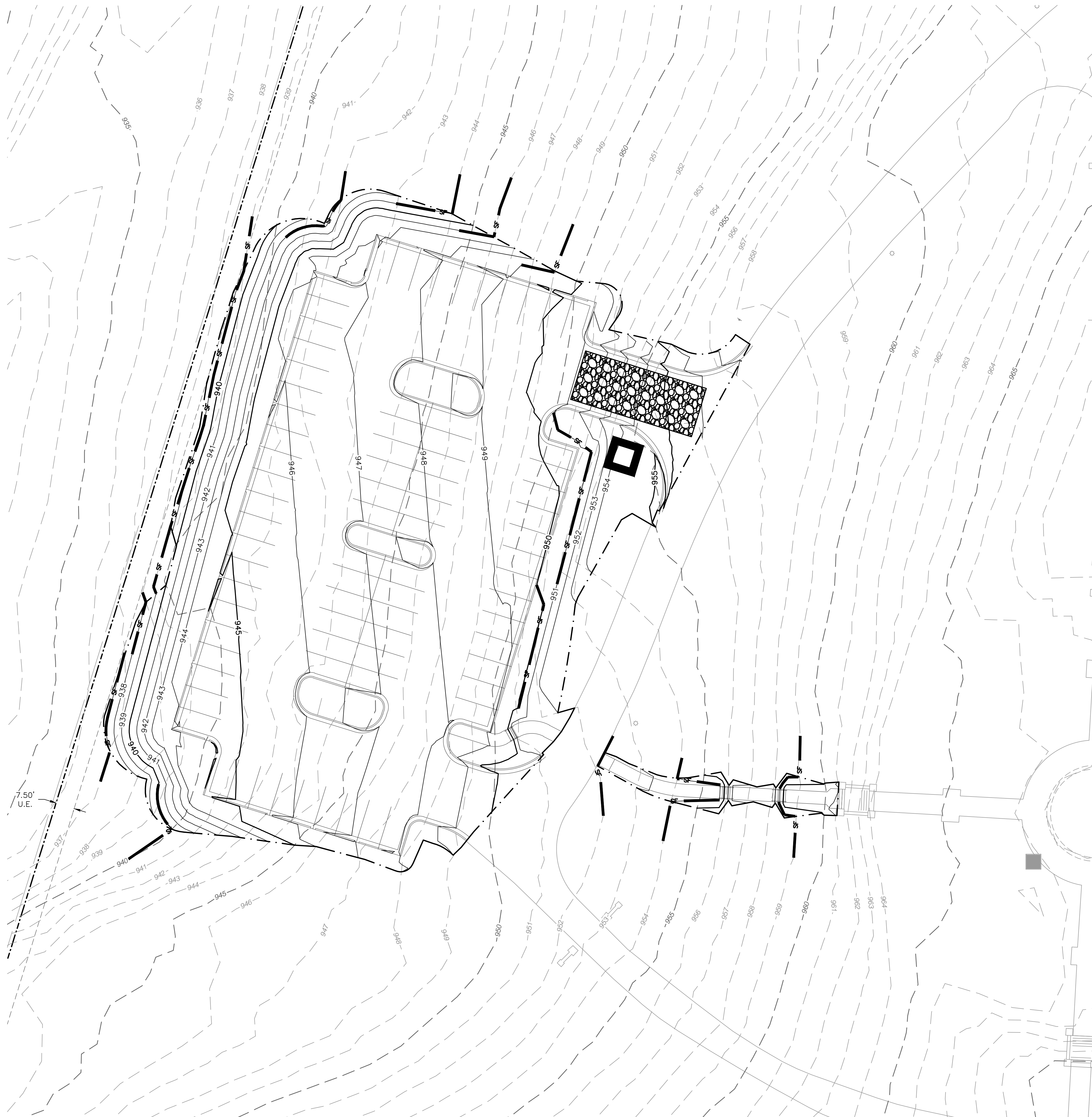
2024


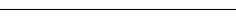


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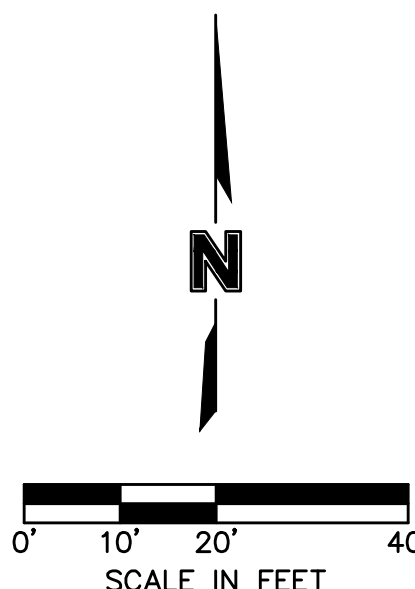


LEGEND	
	LIMITS OF DISTURBANCE
	SILT FENCE
	TEMPORARY STONE CONSTRUCTION ENTRANCE
	CONCRETE WASHOUT AREA

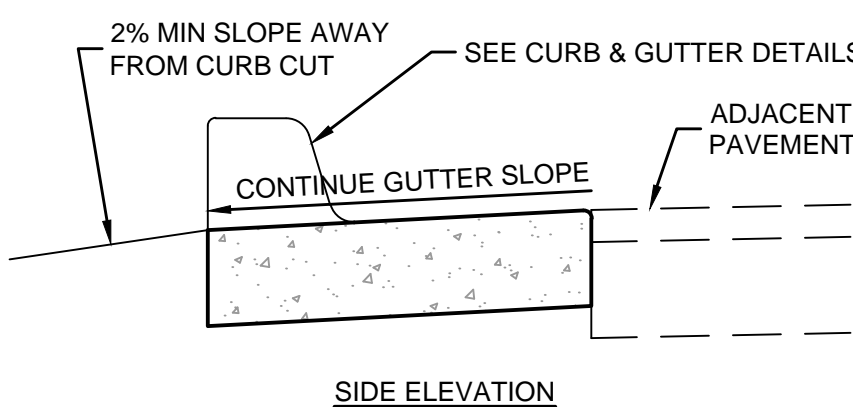
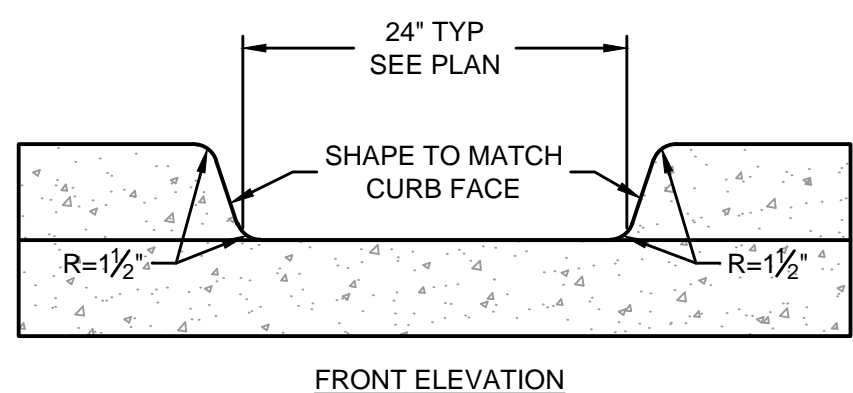
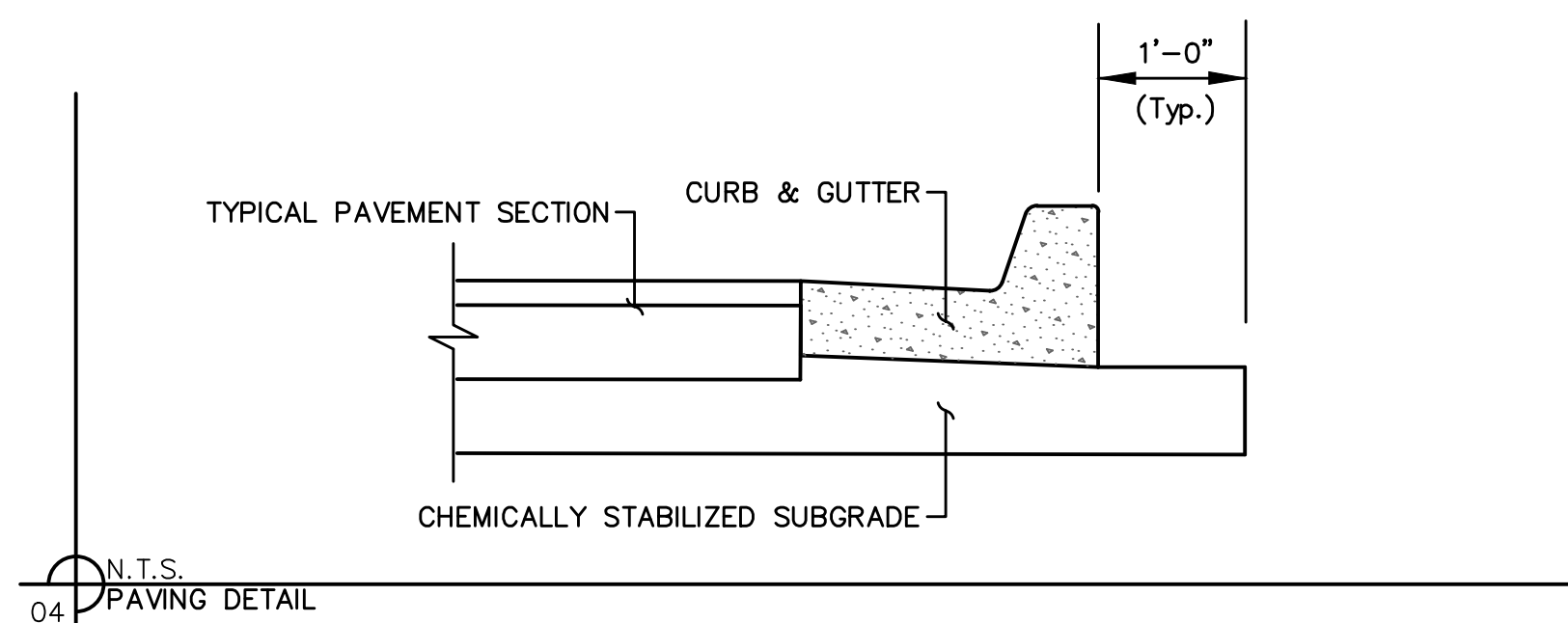
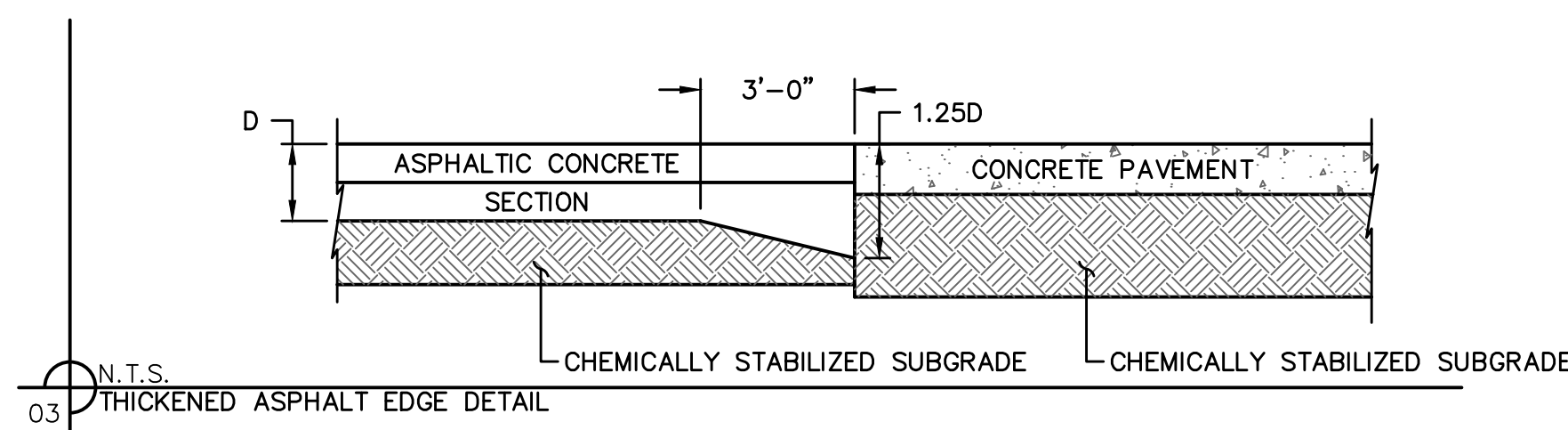
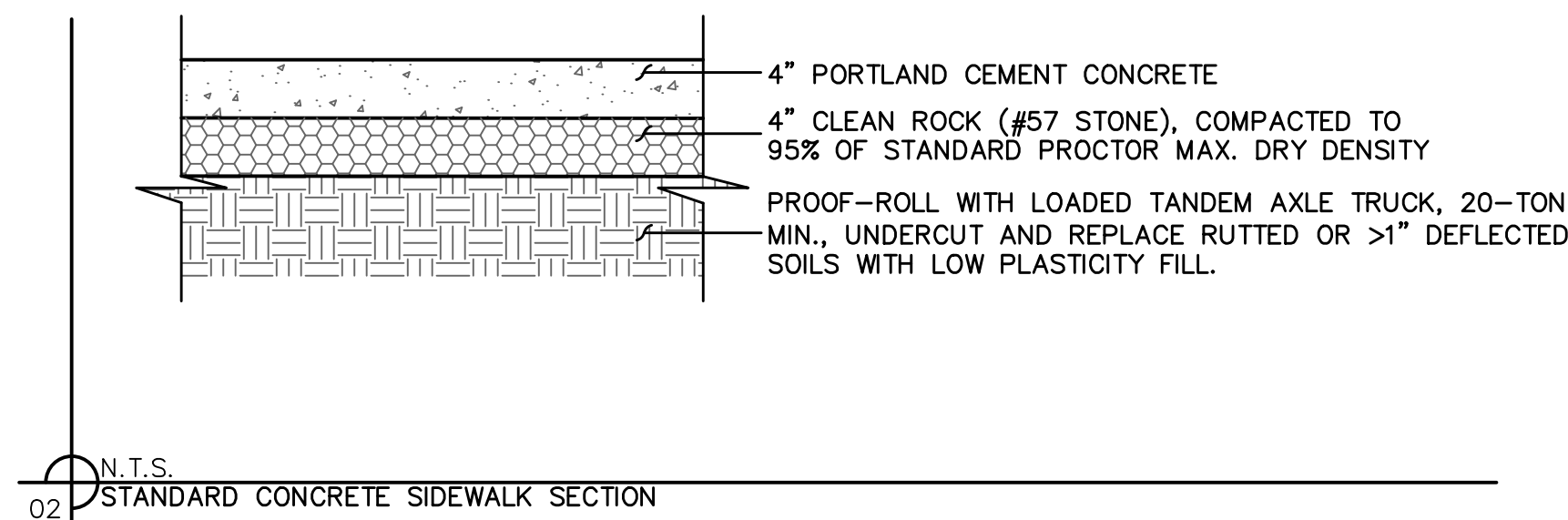
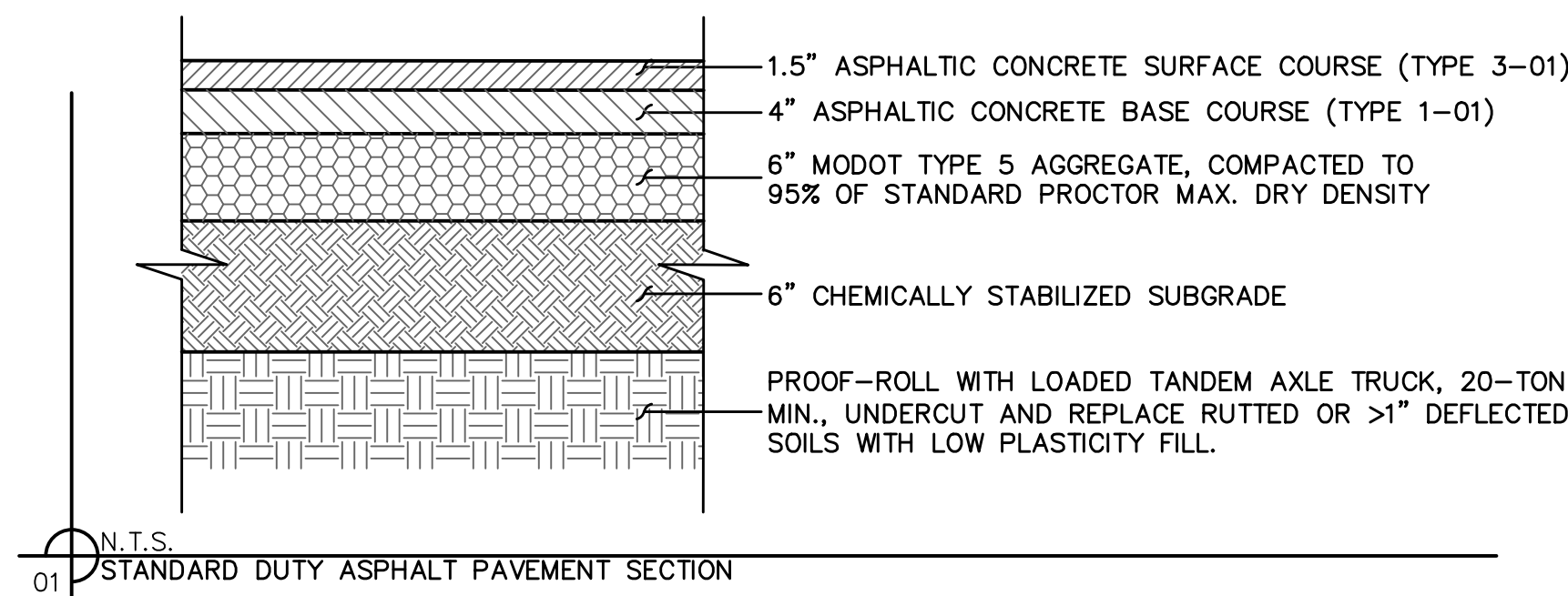
DISTURBED AREA = 0.99 AC.

## EROSION CONTROL PLAN NOTES

1. CONTRACTOR SHALL CONSIDER ANY EROSION AND/OR SEDIMENT CONTROL SHOWN IN THIS PLAN SET, THE SWPPP, OR ANY RELATED PLAN SET AS A MINIMUM REQUIREMENT. CONTRACTOR IS RESPONSIBLE FOR EVALUATING SITE CONDITIONS AND INSTALLING ANY ADDITIONAL CONTROLS AS NECESSARY.
2. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES THROUGHOUT THE PROJECT. ANY AND ALL FINES ASSOCIATED WITH EROSION CONTROL VIOLATIONS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
3. AT ANY TIME DURING CONSTRUCTION THE CITY MAY REQUIRE ADDITIONAL EROSION/SILTATION CONTROL MEASURES TO BE INSTALLED. WHEN REQUIRED SUCH MEASURES SHALL BE INSTALLED WITHIN 48 HOURS OF HOURS OF NOTICE (VERBAL OR WRITTEN).
4. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SCHEDULE. ALL COSTS ASSOCIATED WITH REPAIR OR RE-INSTALLATION, INCLUDING RELATED INCIDENTALS, WILL BE THE CONTRACTOR'S RESPONSIBILITY.
5. ALL DISTURBED AREAS SHALL BE LANDSCAPED, SEEDED OR SODDED, AS SHOWN ON THE LANDSCAPE PLAN.
6. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED WITH A HEALTHY STAND OF PERMANENT VEGETATION. AREAS DISTURBED BY DEVICE REMOVAL SHALL BE IMMEDIATELY STABILIZED. SEED BLENDS OR SOD SHALL MATCH WHAT WAS USED IN AREAS SURROUNDING DISTURBANCE.
7. PRIOR TO LEAVING THE SITE THE CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES, FLUMES, PIPES, GUTTERS, ETC. ARE CLEANED OUT AND WORKING PROPERLY.
8. THE EROSION CONTROL PLAN INDICATES THE FINAL PLACEMENT OF EROSION CONTROL DEVICES. THE CONTRACTOR(S) MAY PROCEED WITH THE CONSTRUCTION PRIOR TO THE FINAL PLACEMENT OF THESE DEVICES BY PROVIDING ADDITIONAL DEVICES TO CONTROL EROSION ON THEIR ITEMS OF WORK. THESE DEVICES SHALL BE MAINTAINED UNTIL THE FINAL DEVICES ARE IN PLACE.
9. SEE SHEET C12 FOR DETAILS.

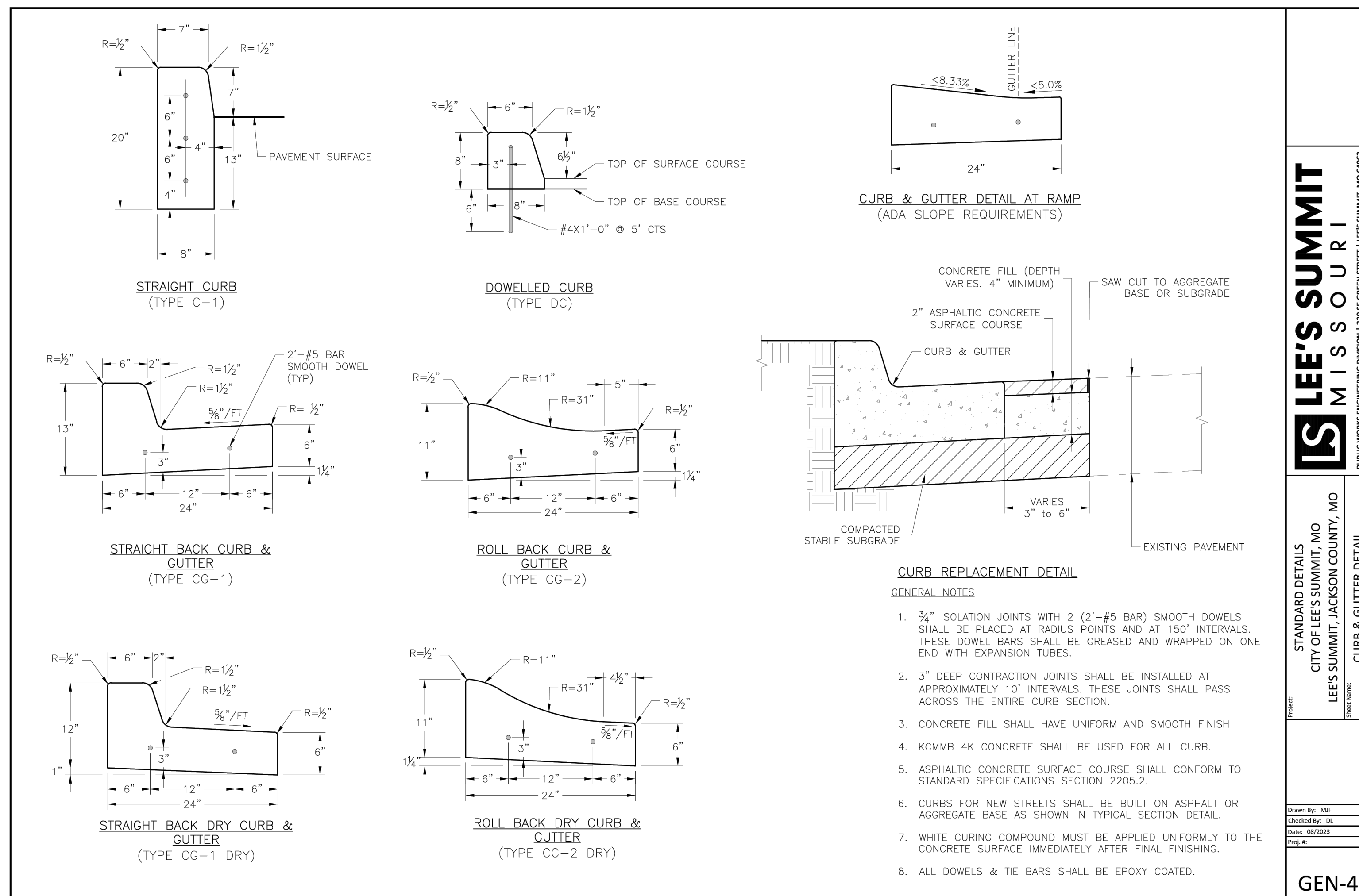
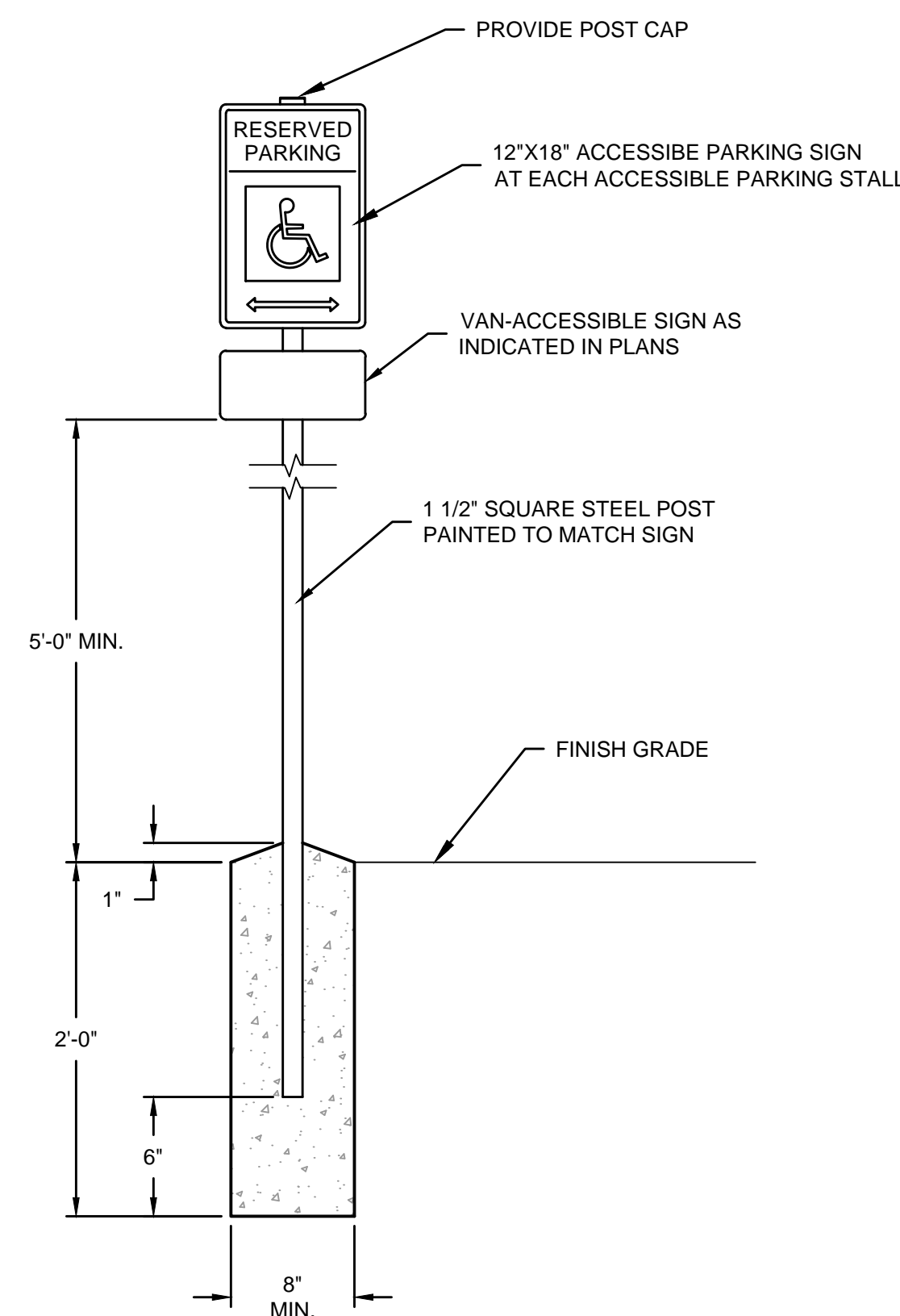
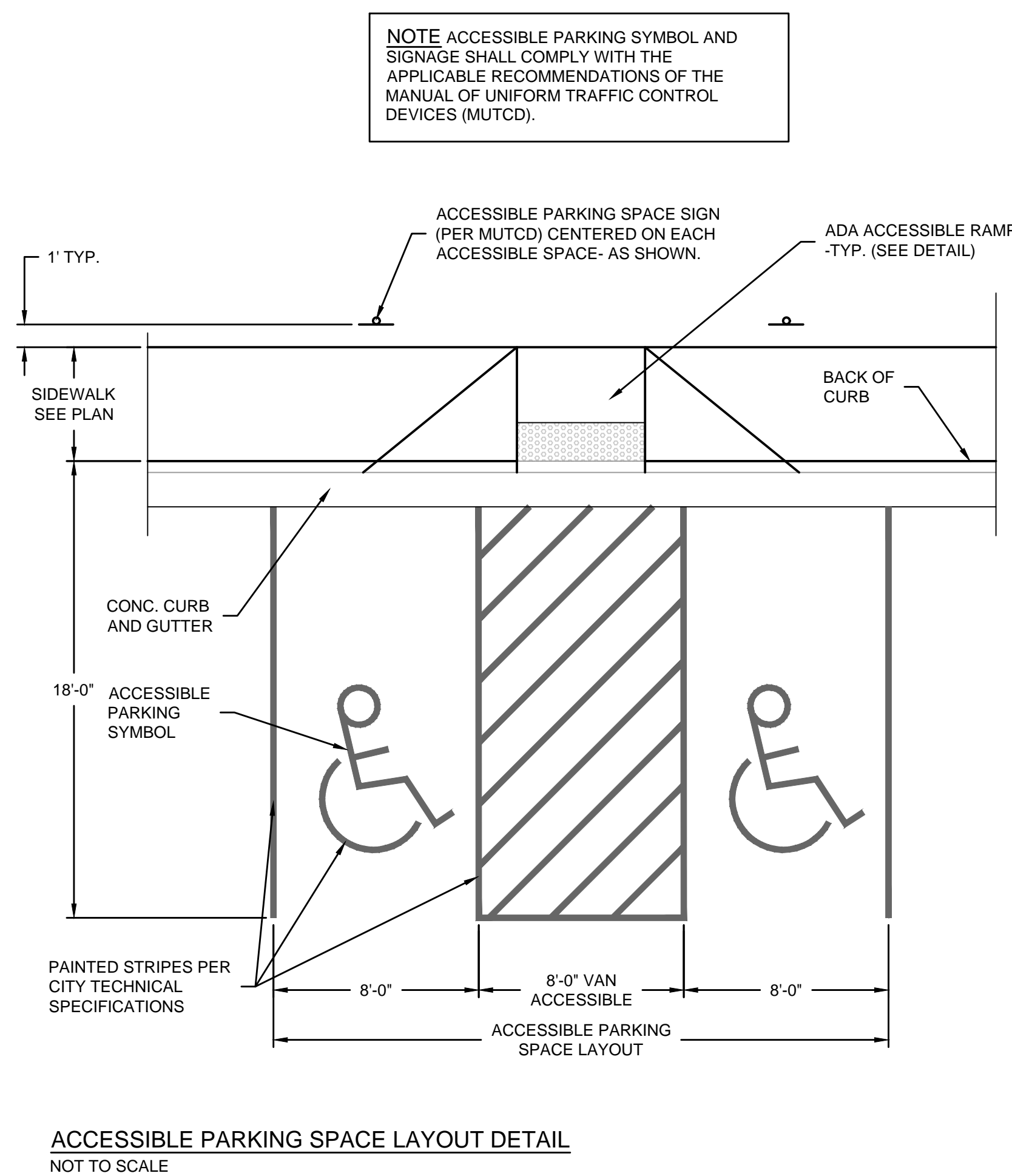
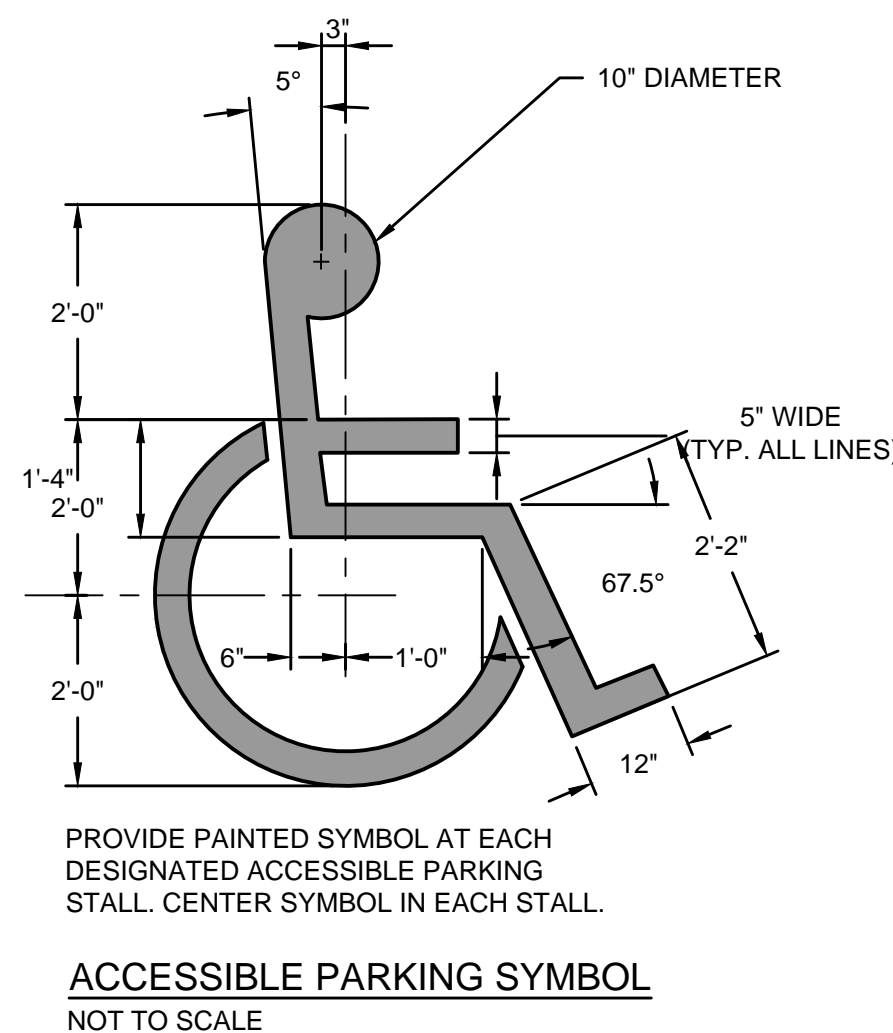
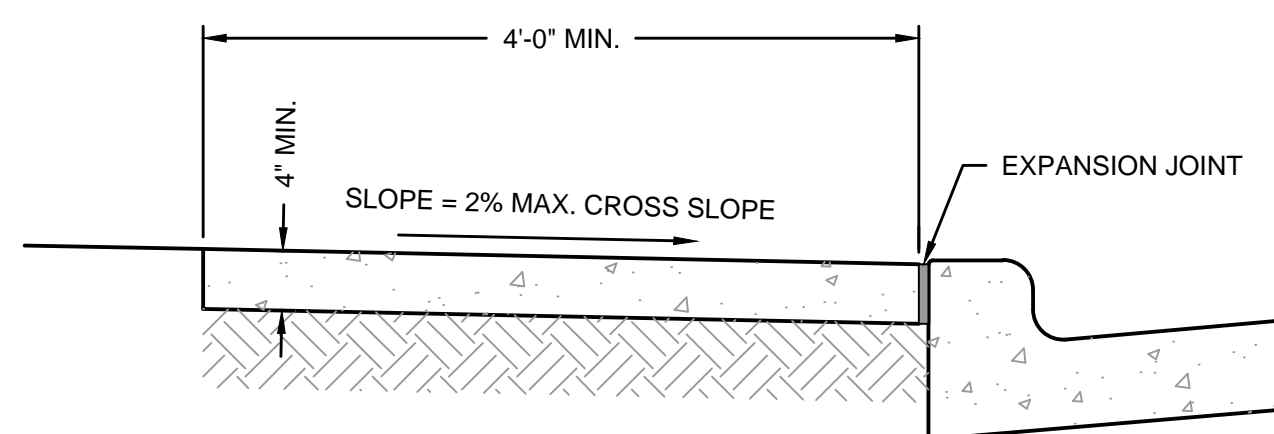




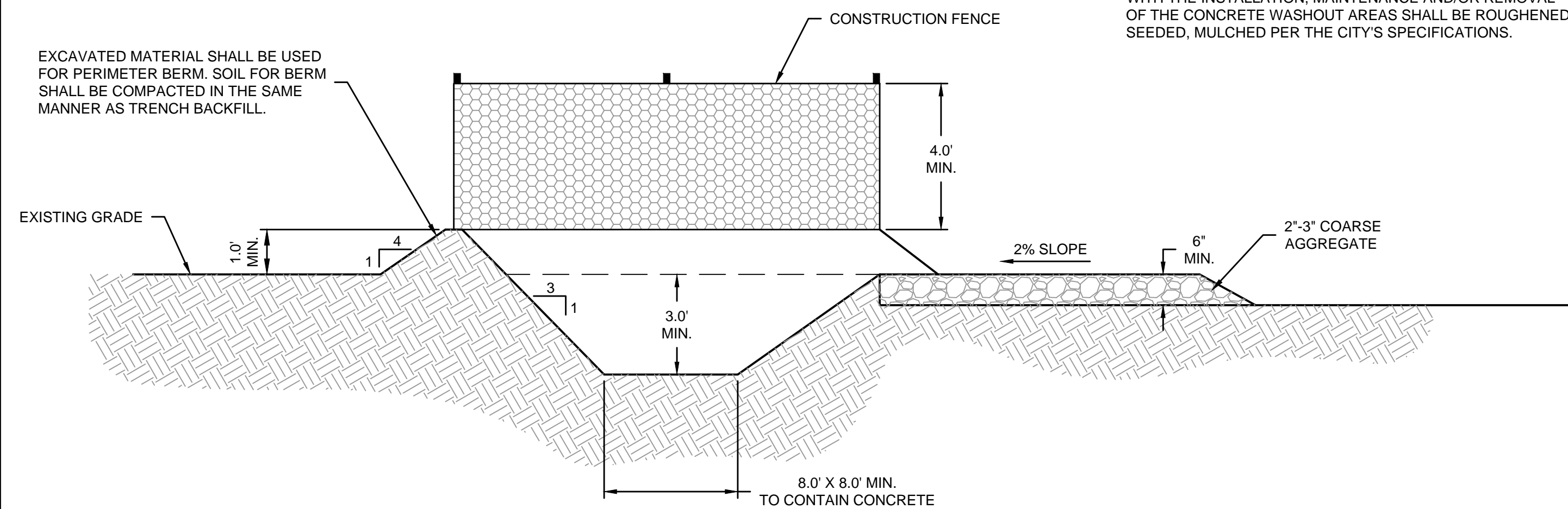


### CONCRETE CURB CUT DETAIL

NOT TO SCALE







1. CONCRETE WASHOUT AREAS SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE. PLACEMENT SHALL BE A MINIMUM OF 100' FROM DRAINAGEWAYS, BODIES OF WATER, AND INLETS.
2. CONCRETE WASHOUT AREA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8" X 8" X 0.8'. THE SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1. THE DEPTH OF THE PIT SHALL BE AT LEAST 3.0'. THE BERM SURROUNDING THE SIDES AND BACK OF THE CONCRETE WASHOUT AREA SHALL HAVE A HEIGHT OF 1.0'. THE VEHICLE AGGREGATE PAD SHALL BE SLOPED 2% TOWARDS THE CONCRETE WASHOUT AREA. A CONSTRUCTION FENCE SHALL BE INSTALLED ALONG THE TOP OF THE PERIMETER BERM PER THE DETAIL.
3. HIGHLY VISIBLE SIGNS SHALL BE PLACED AT THE CONSTRUCTION SITE ENTRANCE, WASHOUT AREA AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA(S) TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
4. A ONE-PIECE IMPERVIOUS LINER MAY BE REQUIRED ALONG THE BOTTOM AND SIDES OF THE SUBSURFACE PIT AT THE DISCRETION OF THE CITY INSPECTOR.

1. THE EROSION CONTROL SUPERVISOR SHALL INSPECT THE CONCRETE WASHOUT AREA AT THE FOLLOWING INTERVALS:
  - a. AFTER INITIAL INSTALLATION.
  - b. DURING THE DAILY WHILE THE CONCRETE WASHOUT AREA IS PRESENT ON SITE.
  - c. DURING AND AFTER AN STORM EVENT.
2. CONCRETE WASHOUT MATERIALS SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2.0'.
3. CONCRETE WASHOUT AREAS SHALL BE ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
4. 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 AT AN APPROVED WASHOUT AREA.
5. CONCRETE WASHOUT AREAS SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
6. WHEN CONCRETE WASHOUT AREAS ARE REMOVED, EXCAVATIONS SHALL BE FILLED WITH SUITABLE COMPACTED BACKFILL AND TOPSOIL, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION OF WASHOUT AREAS AND/OR REMOVAL OF THE CONCRETE WASHOUT AREA SHALL BE ROUGHENED, SEEDED, MULCHED PER THE CITY'S SPECIFICATIONS.

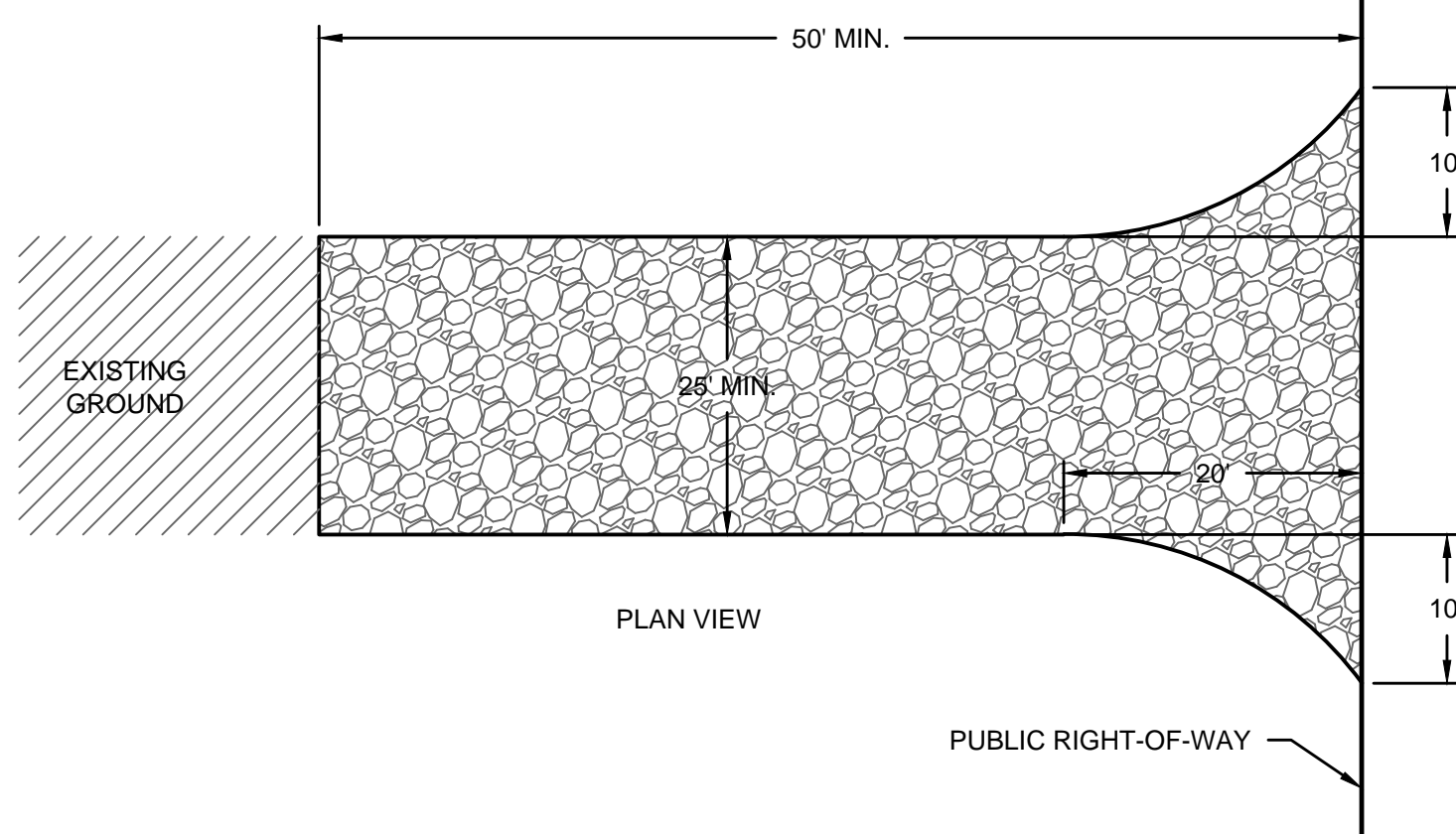
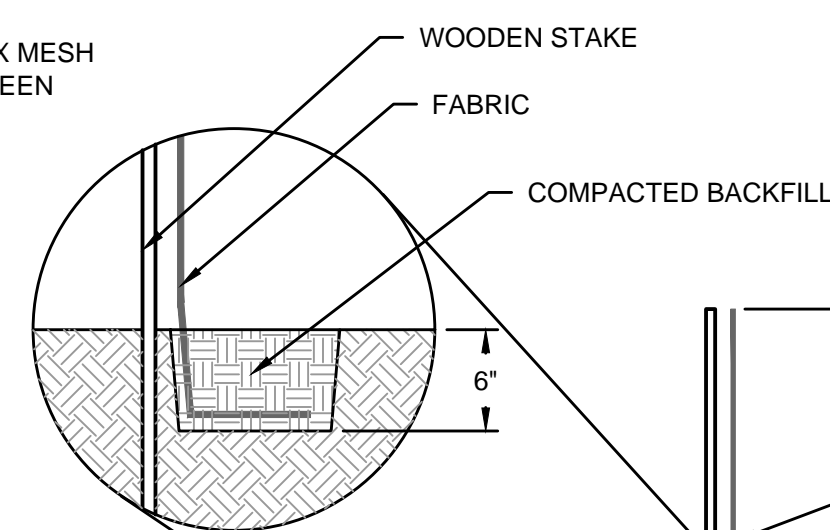
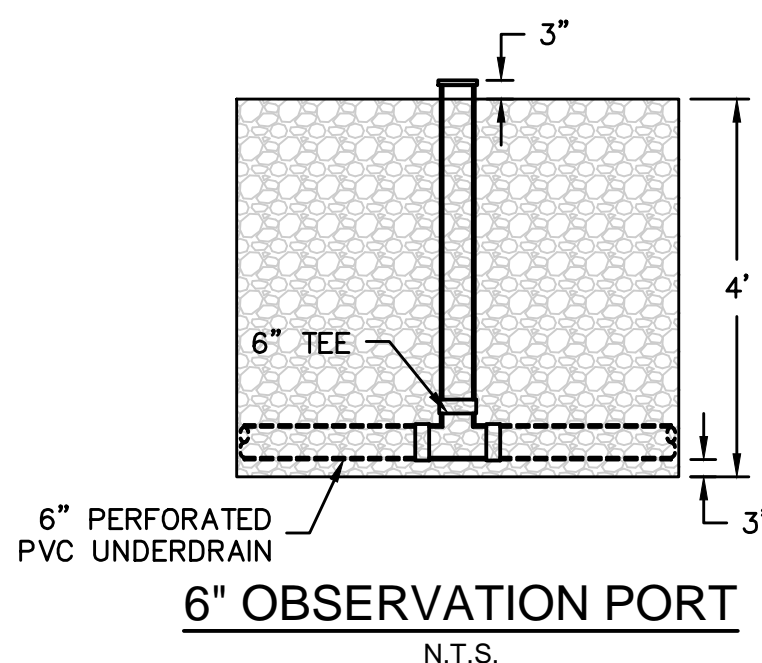
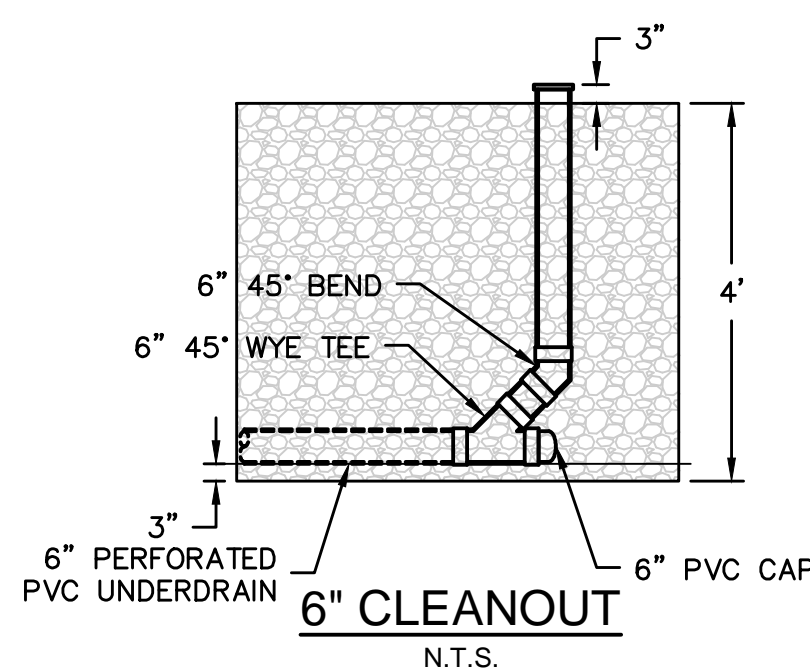


Diagram illustrating the installation of filter fabric material in a trench. The diagram shows a cross-section of a trench with filter fabric material lining the bottom and sides. Vertical posts are installed to support the fabric. Labels include:

- SPACING OF POSTS\*  
10 FEET APART WITHOUT WIRE REINFORCEMENT  
5 FEET APART WITH WIRE REINFORCEMENT
- FILTER FABRIC MATERIAL
- 2 FEET MIN.
- FLOW
- BACKFILLED TRENCH
- FOR ADDITIONAL STRENGTH FILTER FABRIC MATERIAL CAN BE ATTACHED TO A 6-INCH (MAX MESH) WIRE SCREEN WHICH HAS BEEN FASTENED TO THE POST

1. FILTERING EFFICIENCY SHALL BE A MINIMUM OF 85%.
2. TENSILE STRENGTH AT 20% ELONGATION FOR TYPICAL APPLICATIONS SHALL BE A MINIMUM OF 30 LB PER LINEAR INCH. FOR HIGH STRENGTH APPLICATIONS, (SUPER-SILT FENCE), THE MINIMUM STRENGTH SHALL BE 50 LB PER LINEAR INCH.

1. TYPICAL POSTS SHALL DEFER TO MANUFACTURER RECOMMENDATIONS AND SPECIFICATIONS. THE FOLLOWING ARE TO BE CONSIDERED MINIMUMS WHERE SUCH RECOMMENDATIONS ARE NOT AVAILABLE.
2. WITH WIRE REINFORCEMENT, WOOD POSTS SHALL BE HAVE A 4" NOMINAL DIAMETER, OR 1.33 LB PER LINEAR FOOT STEEL.
3. WITHOUT WIRE REINFORCEMENT, WOOD POSTS SHALL BE 2"x2". OR 1.00 LB PER LINEAR FOOT STEEL.



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DETAILS

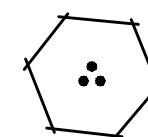
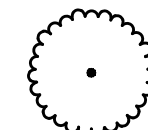



# LONGVIEW MANSION PARKING ADDITION FINAL DEVELOPMENT PLANS

SHEET  
C12

drawn by:	CH
checked by:	DP
approved by:	SS
QA/QC by:	CH
project no.:	022-06318
drawing no.:	C_DTL01_02206318
date:	2024.03.01

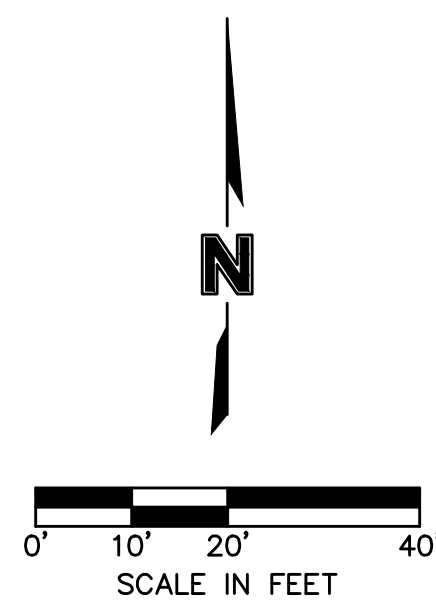




PLANT SCHEDULE					
<u>SYMBOL</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>	<u>CONDITION</u>	<u>GALPER</u>	<u>QTY</u>
<u>TREES</u>					
	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE APPLE SERVICEBERRY	N/A	B & B	3"	5
	GYMNOCLADUS DIOICA 'ESPRESSO' / KENTUCKY COFFEETREE	N/A	B & B	3"	7
<u>SYMBOL</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>			<u>QTY</u>
<u>SHRUBS</u>					
	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	5 GAL			32
<u>SYMBOL</u>	<u>BOTANICAL / COMMON NAME</u>				<u>QTY</u>
<u>GROUND COVERS</u>					
	TURF SOD / DROUGHT TOLERANT FESCUE BLEND				15,927 SF
	HARDWOOD MULCH 2"-4" SHREDDED BROWN	705 SF			

LANDSCAPE DATA										
BUILDING AREA	PARKING STALLS PROVIDED	LANDSCAPE ISLAND % OF PARKING AREA	R/W LENGTH	LANDSCAPE STRIP BETWEEN PARKING AND R/W	STREET FRONTAGE TREES	STREET FRONTAGE SHRUBS	OPEN YARD AREA TREES	OPEN YARD AREA SHRUBS	PARKING LOT SCREENING SHRUBS	BUFFER
0	77	9.12%	N/A	N/A	N/A	N/A	12 PROPOSED PLUS EXISTING VEGETATION TO REMAIN	26 PROPOSED PLUS EXISTING VEGETATION TO REMAIN	N/A	N/A

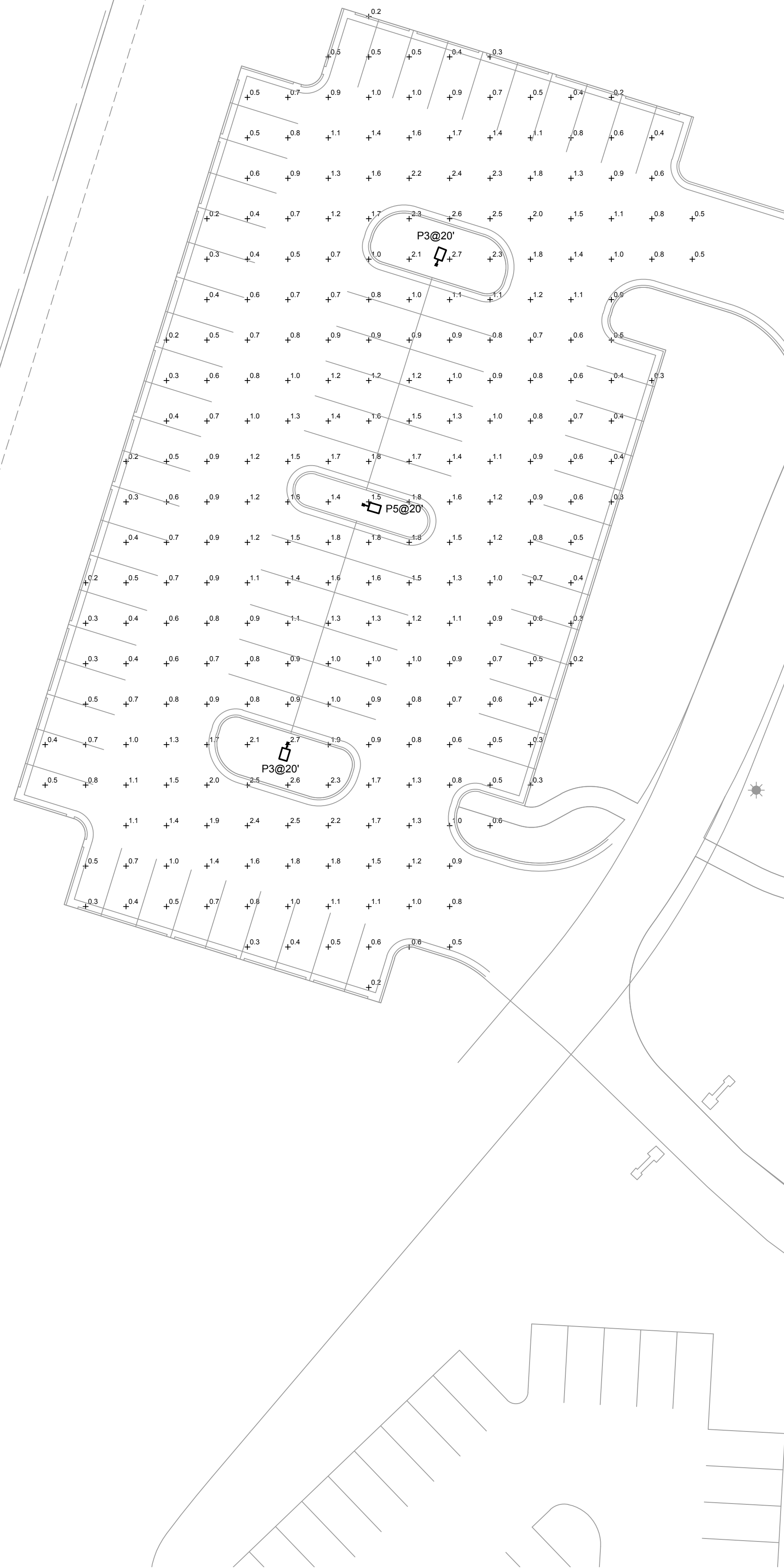
- GENERAL NOTES:
1. QUANTITIES LISTED IN THE PLANT LIST SCHEDULE ARE FOR ESTIMATES ONLY. TREES, SHRUBS, AND GROUND COVER OF CONTRACT QUANTITIES SHALL BE THE NUMBER OF ITEMS SHOWN ON THE DRAWINGS.
  2. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK. ANY DIFFERENCE IN QUANTITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION.
  3. ALL DISTURBED AREAS NOT OTHERWISE SPECIFIED WITH GROUND COVER ARE TO BE PLANTED WITH TALL FESCUE TURF SOD.
  4. TREE RINGS AND PLANTING BEDS SHALL BE SURFACED WITH 3" SHREDDED HARDWOOD MULCH AND SHALL RECEIVE SHOVEL-CUT EDGE.
  5. THE LANDSCAPE CONTRACTOR SHALL REFER TO ENGINEERING DRAWINGS FOR ANY AND ALL EXISTING AND/OR PROPOSED UTILITIES. THERE ARE ANY DISCREPANCIES, CONFLICTS, AND/OR DEVIATIONS BETWEEN THE LANDSCAPE DRAWINGS AND THE EXISTING OR PROPOSED CONDITIONS, THE LANDSCAPE CONTRACTOR IS TO CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY.
  6. ALL UNDERGROUND UTILITIES ARE TO BE FIELD-VERIFIED PRIOR TO COMMENCEMENT OF WORK.











# **SITE LIGHTING PHOTOMETRICS PLAN** SCALE: 1" = 20'-0"



## D-Series Size 0

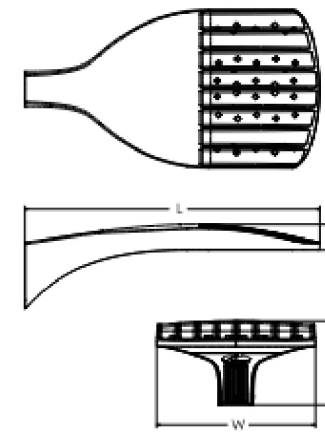
### LED Area Luminaire

Grading Number	
Notes	
Type	

## Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The solar version is compatible with Sol By Sunna Design's Solar Lighting Engine. The performance will be based on the project location and the available solar energy output. Contact Sol by Sunna Design Sales Team for a quote for your Lithonia Solar Lighting Solution: email: [sales@solarlighting.com](mailto:sales@solarlighting.com) or call: 1-800-959-1329



### Ordering Information

EXAMPLE: DSX0 LED P4 40K 70CRI T3M SOLAR RPA DDBXD

DSX0 LED					
Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage
DSX0 LED	<b>Forward optics</b> (this section 70CRI only)				
P1	P3	30K 3000K	70CRI	Automotive front row	T5M Type V medium
P2	P4	40K 4000K	70CRI	AFR Type I short 11S	T5LG Type V low
		50K 5000K	70CRI	T2M Type II medium	glare T5M Type V wide
				T3M Type III medium	wide BL3C Type III
				T3LG Type III low	backlight
				glare 2 T4M Type IV	BLC4 Type IV
				medium T4LG Type IV	backlight LCCO Left
				low glare 2 T1FM	corner cutoff 2
				Forward	RCCO Right corner
				medium	cutoff 2
		27K 2700K	80CRI		
		30K 3000K	80CRI		
		35K 3500K	80CRI		
		40K 4000K	80CRI		
		50K 5000K	80CRI		

Mounting	Other options	Finish required
<b>Shipped included</b> Square pole mounting SPA (RPA drilling, 3.5" x 1" SG pole) RPA Round pole mounting (R6 drilling, 3" min. RNP pole) MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)	<b>Shipped installed</b> HS Houseless shield (black finish standard) 4 (BAX, Buy American) Act Compliant <b>Shipped separately</b> EGS® External Glare Shield (reversible, field install required, BSB® Bird Spikes (field install required)	DBDXDark Bronze DBLXBlack DNAXNatural Aluminum DVH+X White matches housing finish)

## Accessories

House-side shield (enter package number)

P# place of #) 4 DSXRPA (FINISH) Round  
drilling, specify finish) DSX0EGSR (FINISH)  
shield (specify finish) DSX0BSDB (FINISH)  
deterrent bracket (specify finish)

**NOTE**  
1. 30K

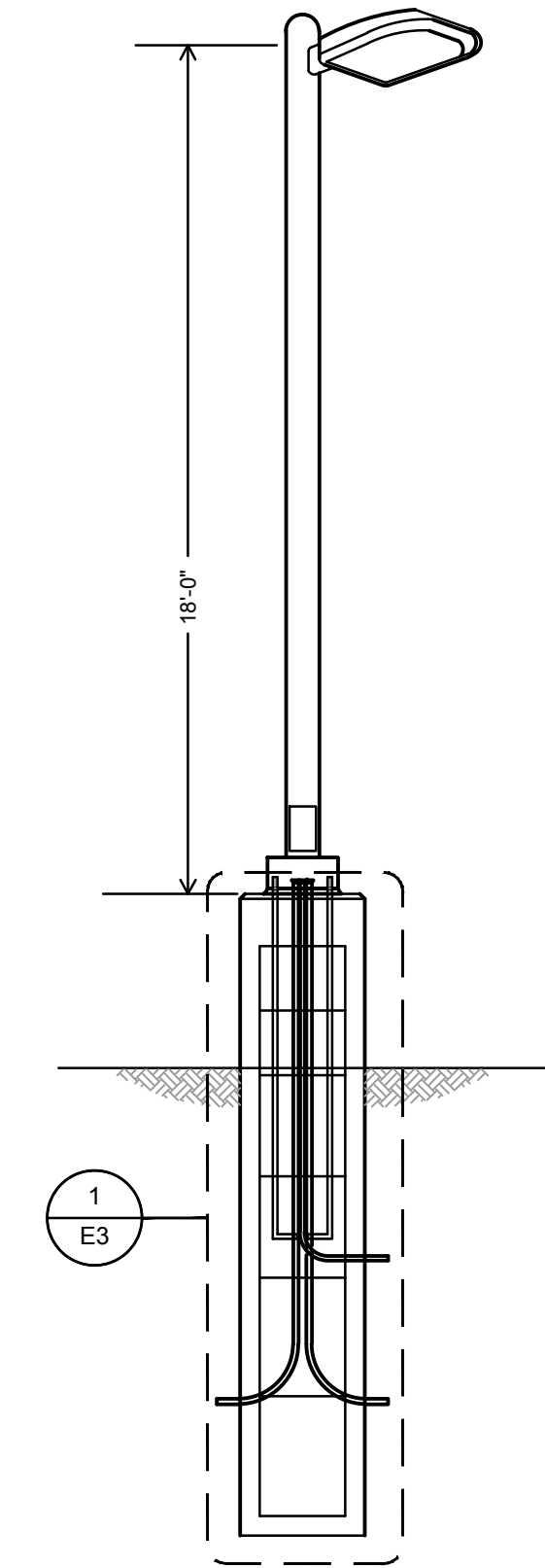
- 3 No Driver included, input power managed via Sol By Sunna's EverGen Solar Lighting Engine. Wattage depends on project location and Solar Engine size.  
For technical support, contact Sol by Sunna Design sales team at 1-800-959-1329.



One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
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DSX0-LED Solar  
Rev. 10/05/23  
Page 1 of 8

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING	+	1.1 fc	3.0 fc	0.2 fc	15.0:1	5.5:1



2 LIGHT POLE DETAIL  
SCALE: NOT TO SCALE

OVERALL SITE PLAN

LONGVIEW MANSION PARKING ADDITION  
PRELIMINARY DEVELOPMENT PLAN

EE'S SUMMIT: MO

2024

DEVISIONS

BY

[illegible]

Olsson - Civil Engineering  
Missouri Certificate of Authority #001592  
1301 Burlington Street  
North Kansas City, MO 64116

TEL 816.361.1177

www.olsson.com

**olsson**



USER: shastert

## GENERAL NOTES

- A. TO FEDERAL, STATE, AND LOCAL STATUTES, NOTIFY MISSOURI ONE-CALL SYSTEM, INC. AT LEAST 48 HOURS PRIOR TO ANY DIGGING, TRENCHING, EXCAVATION, ETC.
- B. INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING DETERMINATION OF TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
- C. FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK. ANY INTERFERENCE SHALL BE BROUGHT TO ATTENTION OF THE ARCHITECT AND ENGINEER FOR DIRECTION.

## SHEET KEYNOTES

1. SOLAR LIGHT FIXTURE ON POLE. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. SOLAR PANEL SHALL FACE THE SOUTH.



1

# SITE LIGHTING POWER PLAN

SCALE: 1" = 20'-0"



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BY

REVISIONS DESCRIPTION

DATE \_\_\_\_\_

REV  
A/C

## SITE LIGHTING POWER PLAN

LONGVIEW MANSION PARKING ADDITION  
PRELIMINARY DEVELOPMENT PLAN

LEE'S SUMMIT, MO

2024



## DEVISIONS

drawn by: \_\_\_\_\_ SH  
checked by: \_\_\_\_\_ TD  
approved by: \_\_\_\_\_ TD  
QA/QC by: \_\_\_\_\_ TD  
project no.: \_\_\_\_\_ 022-06318  
drawing no.: **E\_NSITE** 022-06318  
date: \_\_\_\_\_ 2024.03.01

SHEET  
E2



## LIGHTING FIXTURE SCHEDULE

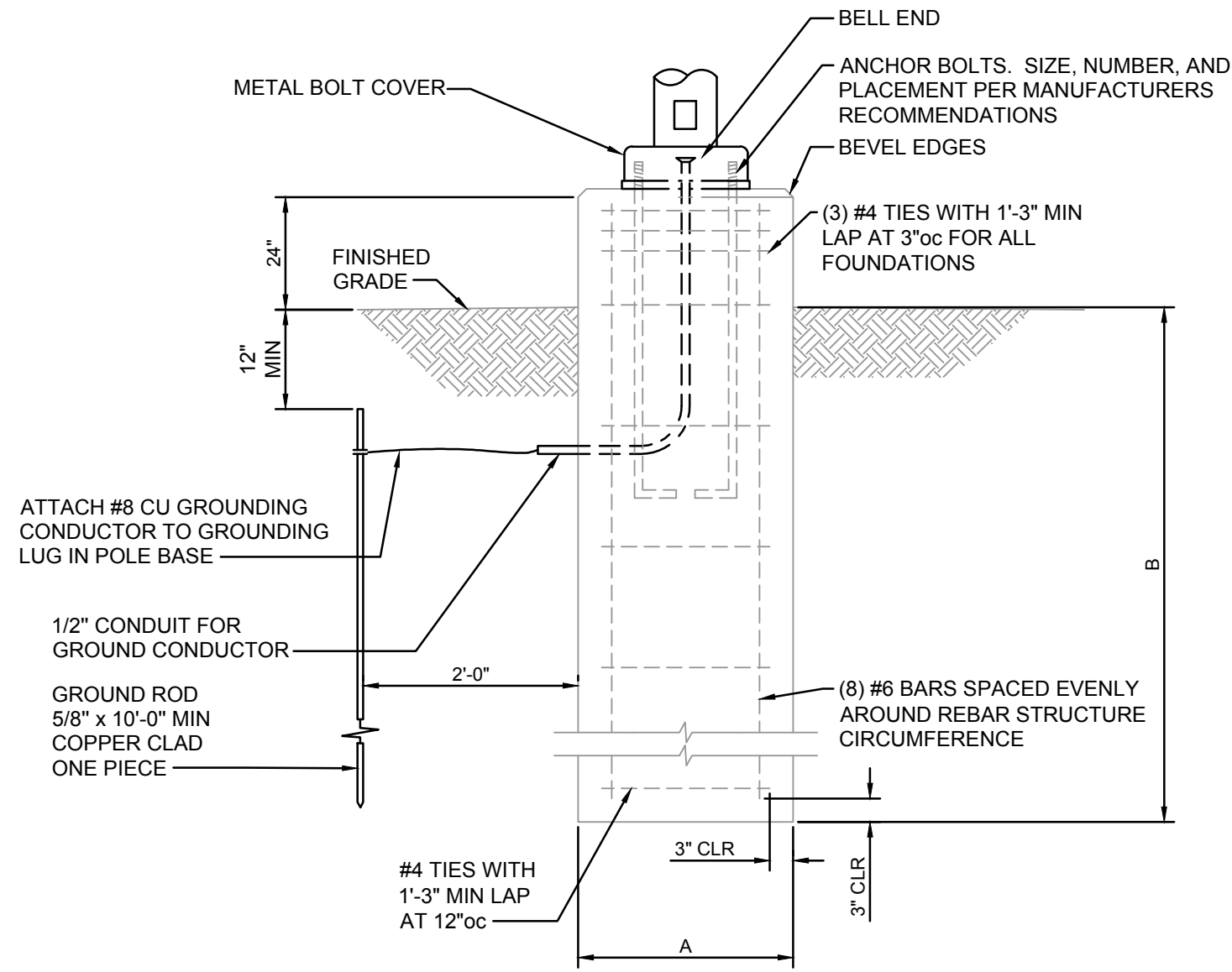
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER AND MODEL	LAMPS	LUMENS	COLOR TEMP / CRI	DRIVER / BALLAST	VOLTAGE / WATTAGE	LOCATION
	P3	SOLAR AREA LED LIGHT FIXTURE WITH18"0 SQUARE POLE AND CONCRETE BASE. BLACK FINISH.  SEE NOTES A, B, & C BELOW.	LITHONIA DSX0-LED-P4-40K-T3M-SOLAR-SPA-DBLXD  POLE:SSS-18-4C-DM19AS-DBLXD	LED	11,130	4000K / 70	N/A	SOLAR 82W	PARKING LOT
	P5	SOLAR AREA LED LIGHT FIXTURE WITH18"0 SQUARE POLE AND CONCRETE BASE. BLACK FINISH.  SEE NOTES A, B, & C BELOW.	LITHONIA DSX0-LED-P4-40K-T5M-SOLAR-SPA-DBLXD-PIR  POLE:SSS-18-4C-DM19AS-DBLXD	LED	11,622	4000K / 70	N/A	SOLAR 82W	PARKING LOT

NOTES:

A. PROVIDE ALL COMPONENTS TO MAKE A COMPLETE ASSEMBLY. THIS WOULD INCLUDE, BUT NOT BE LIMITED TO, ARM, MOUNTING BRACKETS, POLE BASE COVER, ANCHOR BOLTS, TEMPLATE, BASE, HAND HOLE., ETC.

B. PROVIDE CONCRETE BASE, PER DETAIL.

C. LIGHT FIXTURE IS CONTROLLED BY INTERNAL BATTERY CONTROLLER WITH PHOTOCELL TO TURN LIGHTS ON WHEN NO DAYLIGHT IS PRESENT.



## CONCRETE LIGHT POLE BASE

SCALE: NOT TO SCALE

## FOUNDATION DESIGN LIMITATIONS

- L1. THIS FOUNDATION WAS DESIGNED FOR A MINIMUM LATERAL SOIL DEFORMATION MODULUS OF 0.50 KSI
- L2. THIS FOUNDATION WAS DESIGNED FOR A MINIMUM LATERAL SOIL UNDRAINED SHEAR STRENGTH OF 0.50 KSF
- L3. THIS FOUNDATION WAS DESIGNED FOR A MAXIMUM ALLOWABLE LATERAL DEFLECTION OF 1/2 INCH OVERALL AT GRADE ELEVATION
- L4. THIS FOUNDATION WAS DESIGNED WITH AN ASSUMED DEPTH TO ROCK GREATER THAN TWENTY FEET FROM FINISHED GRADE
- L5. THIS FOUNDATION WAS DESIGNED WITH AN ASSUMED WATER TABLE LOCATED AT THE SOIL SURFACE.
- L6. THIS FOUNDATION WAS NOT DESIGNED TO WITHSTAND THE EFFECTS OF SCOURING.
- L7. IF CONDITIONS OTHER THAN THOSE SPECIFIED HEREIN ARE PRESENT AT THE SITE, INCLUDING NON-COHESIVE SOILS FOUND IN BORINGS, PLEASE CONTACT THE ENGINEER OF RECORD.

## STRUCTURAL CONCRETE

CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF:

- ACI 301 - "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
- ACI 308 - "RECOMMENDED PRACTICE FOR HIGH STRENGTH CONCRETE FLOOR AND SLAB CONSTRUCTION"
- ACI 304 - "ACI MANUAL OF CONCRETE INSPECTION"
- ACI 311 - "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE"
- ACI 318 - "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
- ACI 315 - "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
- ACI 307 - "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK"

ALL HOOKS SHALL BE "STANDARD" PER ACI SPECIFICATIONS.

## EARTHWORK

- E1. THE CONTRACTOR MUST PROVIDE SURFACE DRAINAGE AND PUMPS TO PROTECT ALL EXCAVATION FROM FLOODING. FLOODING OF ANY EXCAVATION AFTER APPROVAL OF THE SUBGRADE WILL BE CAUSE FOR RE-PREPARATION OF THE SUBGRADE.
- E2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER, FROST, OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE AND UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT STRUCTURE.
- E3. REFER TO THE GEOTECH REPORT FOR SUBSURFACE CONDITIONS AND CONSTRUCTION CONSIDERATIONS.

LIGHT FOUNDATION DATA		
MOUNTING HEIGHT	A	B
UP TO 30'	2'-0"	5'-0"

CONCRETE CLASS "KCMMB 4000"

HEAVY HEX GALVANIZED NUTS: (AASHTO M291, GR A)  
FLAT WASHERS GALVANIZED: (AASHTO M293)

### GENERAL NOTES

- G1. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UNDERGROUND STRUCTURES AND UTILITIES BEFORE CONSTRUCTING NEW FOUNDATIONS.
- G2. THE CONTRACTOR SHALL FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT SCALE DRAWINGS.
- G3. EXCAVATE SHAFTS FOR DRILLED FOUNDATIONS TO INDICATED ELEVATIONS. REMOVE LOOSE DEBRIS, MATERIALS AND/OR MUCK TO MAKE BOTTOM SURFACES LEVEL WITHIN ACI 336.1 TOLERANCES.
- G4. CONSTRUCTION TOLERANCES:
  - A. BOTTOM DIAMETER: MINUS ZERO, PLUS 6 INCHES, MEASURED IN ANY DIRECTION.
  - B. MAXIMUM VARIATION FROM PLUMB: 1/40.
  - C. MAXIMUM BOTTOM LEVEL: PLUS OR MINUS 2 INCHES.
- G5. AT NO ADDITIONAL COST, CASE PIER SHAFTS AS NECESSARY. PROTECT EXCAVATED WALLS WITH TEMPORARY WATERPROOF STEEL CASINGS OF SUFFICIENT LENGTH TO PREVENT WATER INTRUSION, CAVE-INS, DISPLACEMENT OF SURROUNDING EARTH, INJURY TO PERSONNEL AND DAMAGE TO CONSTRUCTION OPERATIONS. MAINTAIN EXCAVATIONS IN ESSENTIALLY DRY CONDITION, USING PUMPS WHERE NECESSARY. REMOVE WATER TO A MAXIMUM DEPTH OF 6 INCHES FROM EXCAVATED SHAFT PRIOR TO CONCRETE PLACEMENT.
- G6. CONVEY CONCRETE FROM THE MIXER TO PLACE OF DEPOSIT BY BEST INDUSTRY METHODS THAT WILL PREVENT SEGREGATION AND LOSS OF MATERIAL. SIZE AND DESIGN THE EQUIPMENT FOR CONVEYING CONCRETE TO ENSURE UNIFORM, CONTINUOUS PLACEMENT OF CONCRETE. PLACE CONCRETE IN ACCORDANCE WITH ACI 318. PLACE CONCRETE IN A CONTINUOUS OPERATION AND WITHOUT SEGREGATION INTO DRY EXCAVATIONS WHENEVER POSSIBLE. USE ALL PRACTICABLE MEANS TO OBTAIN A DRY EXCAVATION BEFORE AND DURING CONCRETE PLACEMENT.
- G7. WHEN PULLING CASING, MAINTAIN LEVEL OF CONCRETE ABOVE BOTTOM OF CASING GREATER OR EQUAL TO LEVEL OF GROUND KEEP BOTTOM OF CASING AT LEAST 10 FEET BELOW TOP OF CONCRETE. PREVENT IN-SITU MATERIALS FROM FALLING INTO AND MIXING WITH CONCRETE. PULL CASING IN SHORT SLOE VERTICAL LIFTS (ESSENTIALLY CONTINUOUS), MAINTAINING PLUMB ALIGNMENT AND SUFFICIENT HEAD OF CONCRETE.
- G8. ALL CONCRETE SHALL BE CLASS KCMMB 4000
- G9. ALL REINFORCING SHALL BE STRUCTURAL GRADE 60 PER ASTM-A615 AND HAVE AT LEAST 3" OF CONCRETE COVER.
- G10. ANCHOR BOLTS ARE TO BE FURNISHED BY THE FOUNDATION CONTRACTOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PLACE ALL REBAR SO AS TO NOT INTERFERE WITH ANCHOR BOLTS.
- G11. ALL ABOVE GRADE FOUNDATION SURFACES SHALL BE STEEL TROWEL FINISHED UNLESS OTHERWISE NOTED.
- G12. EACH PIER FOUNDATION SHALL BE CONSTRUCTED IN A SINGLE CONTINUOUS POUR.
- G13. NO EXCAVATION OR VIBRATION-INDUCING ACTIVITIES ARE ALLOWED WITHIN 3 PIER DIAMETERS OF A SUBJECT PIER UNTIL AT LEAST 24 HOURS HAVE ELAPSED SINCE THE TIME OF CONCRETE PLACEMENT. COVER ALL EXCAVATIONS BETWEEN OPERATIONS. REMOVE FOREIGN AND LOOSE MATERIAL FROM APPROVED EXCAVATION.
- G14. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO PREVENT DAMAGE AND/OR SETTLEMENT OF EXISTING OR NEW CONSTRUCTION INSIDE OR OUTSIDE THE PROJECT LIMITS DURING EXCAVATION AND FOUNDATION CONSTRUCTION. ANY DAMAGE TO NEW OR EXISTING CONSTRUCTION INSIDE OR OUTSIDE OF THE PROJECT LIMITS CAUSED BY CONSTRUCTION TECHNIQUES IS THE RESPONSIBILITY OF THE CONTRACTOR.

## SITE LIGHTING DETAILS

# LONGVIEW MANSION PARKING ADDITION PRELIMINARY DEVELOPMENT PLAN

LEE'S SUMMIT. MO

drawn by: \_\_\_\_\_ SH  
checked by: \_\_\_\_\_ TD  
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QA/QC by: \_\_\_\_\_ TD  
project no.: \_\_\_\_\_ 022-06318  
drawing no.: **E NDET 022-06318**  
date: \_\_\_\_\_ 2024.03.01

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DATE: Feb 28, 2024 4:40pm USER: shostert

SECTION 260000 ELECTRICAL

1. GENERAL CONDITIONS:
- A. THIS CONTRACTOR SHALL INSPECT THE SITE WHERE THIS WORK IS TO BE PERFORMED AND FULLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS RELATED TO THIS PROJECT.

B. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMANENT AND TEMPORARY PERMITS AND LICENSES AND SHALL MAKE ALL DEPOSITS AND PAY ALL FEES REQUIRED FOR THE PERFORMANCE OF WORK UNDER THIS SECTION OTHER THAN THOSE DEPOSITS OR FEES WHICH ARE FULLY REFUNDABLE TO THE OWNER.

C. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL SYSTEMS AND COMPONENTS COVERED UNDER THIS SECTION. WHERE LOCAL CONDITIONS NECESSITATE A REARRANGEMENT, THE CONTRACTOR SHALL PREPARE, AND SUBMIT FOR APPROVAL, DRAWINGS OF THE PROPOSED REARRANGEMENT. THIS CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING ALL OF HIS WORK AND SHALL ARRANGE SUCH WORK ACCORDINGLY, FURNISHING SUCH FITTINGS AND ACCESSORIES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.

D. THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWINGS SHALL NOT BE SCALED TO DETERMINE DIMENSIONS.

E. SPECIFICATIONS AND DRAWINGS ARE COMPLEMENTARY AND WHAT IS CALLED FOR IN ONE SHALL BE AS BINDING AS IF CALLED FOR BY BOTH.

F. FURNISH LABOR, MATERIALS, EQUIPMENT AND SERVICES REQUIRED AS SHOWN ON THE DRAWINGS AND SPECIFIED IN DIVISION 15.

G. ALL WORK SHALL BE COMPLETE AND SHALL BE LEFT IN OPERATING CONDITION.

H. INCLUDE ALL PARTS AND LABOR WHICH ARE INCIDENTAL AND NECESSARY FOR A COMPLETE AND OPERABLE INSTALLATION EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS. .

I. REQUEST INSPECTIONS AS REQUIRED BY REGULATING AGENCIES AND/OR REGULATIONS. PAY ALL CHARGES FOR INSPECTIONS BY REGULATING AGENCIES OF INSTALLATIONS OF PLANS SPECIFICATIONS.

J. PROVIDE THE OWNER WITH A CERTIFICATE OF FINAL INSPECTION AND APPROVAL BY ENFORCEMENT AUTHORITIES.

K. FURNISH: TO OBTAIN, COORDINATE, SUBMIT THE NECESSARY DRAWINGS, DELIVER TO THE JOB SITE IN NEW CONDITION READY FOR INSTALLATION, UNLOAD AND UNPACK, AND GUARANTEE.

L. INSTALL: TO RECEIVE AT THE JOB SITE, STORE, ASSEMBLE, ERECT, SET IN PLACE, ANCHOR, APPLY, FINISH, PROTECT, CLEAN, TEST, START-UP, AND MAKE READY FOR OWNER'S USE.

M. PROVIDE: TO FURNISH AND INSTALL.

N. PROVIDE NEW MATERIAL AND EQUIPMENT, UNLESS NOTED OTHERWISE. PROTECT EQUIPMENT AND MATERIAL FROM DAMAGE, DIRT AND THE WEATHER.

O. THE ENGINEER RESERVES THE RIGHT TO REJECT MATERIAL OR WORKMANSHIP NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, BEFORE OR AFTER INSTALLATION, AT NO ADDITIONAL COST TO THE OWNER.

P. REFINISH ALL ELECTRICAL EQUIPMENT DAMAGED DURING SHIPPING, INSTALLATION AND/OR PRIOR TO FINAL ACCEPTANCE TO ITS ORIGINAL CONDITION. REMOVE ALL RUST, PRIME, AND PAINT PER MANUFACTURER'S RECOMMENDATIONS FOR FINISH EQUAL TO ORIGINAL.

Q. PROTECT OPENINGS AND EQUIPMENT FROM OBSTRUCTION, BREAKAGE, MISUSE, DAMAGE OR BLEMISHES. PROTECT MATERIALS AND EQUIPMENT IMMEDIATELY UPON RECEIPT AT THE JOB SITE OR IMMEDIATELY AFTER THEY HAVE BEEN REMOVED FROM THEIR SHIPPING CONTAINERS. UNLESS NOTED OTHERWISE, KEEP THEM CLEAN AND UNDAMAGED UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE OWNER. WHEN A PORTION OF THE BUILDING IS OCCUPIED BY THE OWNER BEFORE SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT, MAKE ARRANGEMENTS TO TRANSFER RESPONSIBILITY FOR PROTECTION AND HOUSEKEEPING FOR THE OCCUPIED PORTION.

R. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ELECTRICAL EQUIPMENT, MATERIALS OR WORK UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE OWNER.

S. KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH, CAUSED BY HIS EMPLOYEES OR WORK, AT ALL TIMES. REMOVE RUBBISH, TOOLS, SCAFFOLDING, AND SURPLUS MATERIALS FROM AND ABOUT THE BUILDING, AND LEAVE WORK AREAS "BROOM CLEAN" OR ITS EQUIVALENT DAILY. CLEAN ELECTRICAL EQUIPMENT AND REMOVE TEMPORARY IDENTIFICATION.

T. OPERATE EQUIPMENT AND SYSTEMS IN ALL THEIR OPERATING MODES, TO VERIFY PROPER OPERATION, PRIOR TO FINAL FIELD OBSERVATION AND OWNER INSTRUCTIONS. PREPARE A PRE-INSPECTION REPORT AND SUBMIT TO THE ENGINEER AND OWNER FOR REVIEW.

U. TEST ALL INSTALLED ELECTRICAL EQUIPMENT AND CABLES REQUIRED BY CONSTRUCTION DOCUMENTS ACCORDING TO THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE INTERNATIONAL ELECTRICAL TESTING ASSOCIATION, INC. (NETA). IF ACCEPTABLE PERFORMANCE OF ANY TEST IS NOT ACHIEVED, MAKE THE NECESSARY CORRECTIONS AND THE TEST SHALL BE REPEATED UNTIL ACCEPTABLE PERFORMANCE IS ACHIEVED. PROVIDE WRITTEN REPORTS OF ALL TESTS, WITH FAILURES IDENTIFIED, TO ENGINEER.

V. FULLY INSTRUCT THE OWNER'S DESIGNATED PERSONNEL IN THE OPERATION OF EACH ELECTRICAL SYSTEM AT THE TIME IT IS PUT INTO SERVICE. PROVIDE INSTRUCTION USING COMPETENT INSTRUCTORS AND FACTORY TRAINED PERSONNEL.

W. CONTRACTOR SHALL INSTALL ALL MATERIALS AND EQUIPMENT AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND/OR RECOMMENDATIONS.

X. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL EQUIPMENT INDICATED AND/OR REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. A FORM INDICATING ALL SHOP DRAWINGS TO BE PROVIDED AS PART OF THE PROJECT SHALL BE SUBMITTED FOR REVIEW BY THE ENGINEER PRIOR TO ANY SHOP DRAWING SUBMITTAL REVIEW.

Y. THIS SPECIFICATION SHALL INCORPORATE ALL PROJECT REQUIREMENTS AND RESPONSIBILITIES INDICATED WITHIN THE FRONT-END OF THE PROJECT MANUAL.
2. LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES:
- A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION CODES, THE NATIONAL ELECTRICAL SAFETY CODE, LOCAL BUILDING CODE, AND ALL APPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES. SHOULD ANY WORK SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN BE OF LOWER STANDARD, THE CONTRACTOR SHALL REFER THE POINTS IN QUESTION TO THE ENGINEER FOR APPROVAL.
3. SCOPE OF WORK:
- A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL AND ASSOCIATED SERVICES REQUIRED TO COMPLETELY CONSTRUCT AND LEAVE ALL SYSTEMS OPERATIONAL AS SHOWN ON THE

- DRAWINGS AND HEREIN DESCRIBED.
4. MATERIALS AND EQUIPMENT REVIEW:
- A. AS SOON AS POSSIBLE AFTER THE AWARD OF THE CONTRACT, THIS CONTRACTOR SHALL SUBMIT FOR REVIEW SHOP DRAWINGS FOR ALL EQUIPMENT TO BE FURNISHED FOR THIS PROJECT. SUBMITTALS SHALL HIGHLIGHT THE MANUFACTURER'S NAME, MODEL NUMBER, DESCRIPTIVE ENGINEERING DATA AND ALL NECESSARY INFORMATION AS TO FINISH, MATERIAL GAUGES AND ACCESSORIES.

B. ALL PORTIONS OF THE SHOP DRAWINGS THAT ARE INTENDED TO BE REVIEWED SHALL BE HIGHLIGHTED. ANY PORTION NOT CALLED OUT SHALL BE ASSUMED TO BE EXCLUDED FROM THE JOB.
5. GUARANTEE:
- A. THIS CONTRACTOR SHALL GUARANTEE COMPLETE SYSTEM OPERATION AND THAT THE APPARATUS FURNISHED AND INSTALLED WILL BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS AND WILL GIVE SATISFACTORY SERVICE. THE CONTRACTOR AGREES TO REPLACE, WITHOUT EXPENSE TO THE OWNER, ANY PART OF THE INSTALLATION WHICH PROVES OR BECOMES DEFECTIVE WITHIN ONE YEAR AFTER THE SYSTEM IS ACCEPTED.
6. COORDINATION:
- A. THIS CONTRACTOR SHALL EXAMINE ALL ARCHITECTURAL, MECHANICAL, STRUCTURAL AND OTHER DRAWINGS RELATED TO THIS PROJECT, AND IT SHALL BE HIS RESPONSIBILITY TO COORDINATE THE ELECTRICAL WORK WITH OTHER TRADES.
7. AS-BUILT DRAWINGS:
- A. THIS CONTRACTOR SHALL PREPARE COMPLETE AS-BUILT DRAWINGS OF ALL ELECTRICAL SYSTEMS AND TURN OVER TO THE ENGINEER REVISED ELECTRONIC CAD FILES.

B. THIS CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNER'S REPRESENTATIVE FIVE BOUND SETS OF MANUFACTURER'S LITERATURE FOR ALL EQUIPMENT TO BE INSTALLED ON THIS PROJECT SHOWING ALL DETAILS OF EQUIPMENT, REPLACEMENT PART DATA AND MAINTENANCE INSTRUCTIONS.
8. EXCAVATION:
- A. ALL EXCAVATION AND BACKFILL REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK SHALL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LAYOUT AND THE ESTABLISHMENT OF ALL LINES AND LEVELS REQUIRED FOR THE EXECUTION OF THE WORK.

C. WHEN SERVICES ARE TO BE RUN SIDE-BY- SIDE, A COMMON TRENCH MAY BE USED PROVIDING THE REQUIRED VERTICAL AND HORIZONTAL SEPARATION BETWEEN THE VARIOUS SERVICES ARE MAINTAINED AND PROVIDING THE METHODS OF BEDDING AND BACKFILL MEET THE APPROVAL OF THE ENGINEER. CONTRACTORS INVOLVED SHALL MAKE THEIR OWN AGREEMENT AS TO THE SHARING OF THE COST OF THE COMMON TRENCHING AND BACKFILL WORK.

D. LOCATE EXISTING UNDERGROUND UTILITIES IN AREAS OF EXCAVATION WORK. SHOULD UNCHARTED, OR INCORRECTLY CHARTED, PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT UTILITY ENGINEER IMMEDIATELY FOR DIRECTIONS. COOPERATE WITH OWNER AND UTILITY COMPANIES IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION. REPAIR DAMAGED UTILITIES TO SATISFACTION OF UTILITY OWNER.
- 13.IDENTIFICATION OF SWITCHES AND APPARATUS:
- A. ALL CABINETS, SAFETY SWITCHES, AND OTHER APPARATUS USED FOR OPERATION AND CONTROL OF CIRCUITS, APPLIANCES, AND EQUIPMENT UNDER THIS CONTRACT SHALL BE PROPERLY IDENTIFIED BY MEANS OF ENGRAVED PLASTIC PLATES BLACK WITH WHITE LETTERS.
- 14.GROUNDING:
- A. ALL FEEDERS AND BRANCH CIRCUITS SHALL CONTAIN GROUND WIRES.

B. ALL CONDUCTORS, MOTOR FRAMES, RACEWAYS, CABINETS, ETC., THAT REQUIRE GROUNDING SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, THOSE OF THE SERVING UTILITY AND LOCAL AUTHORITIES HAVING JURISDICTION.
- 15.CONDUIT:
- A. ALL ELECTRICAL POWER WIRING, INCLUDING LOW VOLTAGE WIRING, SHALL BE INSTALLED IN CONDUIT AS HEREIN SPECIFIED. NO CONDUIT OR TUBING OF LESS THAN 3/4 INCH NOMINAL SIZE SHALL BE USED.

B. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 AS MANUFACTURED BY CARLON OR APPROVED EQUAL. ALL CONDUITS SHALL BE INSTALLED WITH MINIMUM 36" INCH COVER.

C. CONDUIT INSTALLED ABOVE GROUND EXTERIOR SHALL BE GALVANIZED RIGID STEEL AS MANUFACTURED BY THE ALLIED TUBE AND CONDUIT CORPORATION OR APPROVED EQUAL. CONDUIT SHALL BE SHERARDIZED OR HOT-DIP GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION TO GALVANIZING.

D. WHEN PVC CONDUITS PENETRATE CONCRETE FLOOR CONSTRUCTION, CONTRACTOR SHALL USE RIGID STEEL ELBOWS AND EXTENSION. PVC CONDUIT/FITTINGS SHALL NOT BE PERMITTED TO BE EXPOSED ABOVE THE FLOOR.

E. THIN WALL TUBING SHALL BE REPUBLIC "ELECTRUNITE E.M.T." OR APPROVED EQUAL. SHALL BE INSTALLED INDOORS.

F. ALL FITTINGS SHALL BE OF THE COMPRESSION TYPE AND SHALL BE WATERTIGHT.

G. CONDUIT FOR INTERIOR WIRING, IN GENERAL, SHALL BE THINWALL TUBING UNLESS OTHERWISE NOTED.

H. RACEWAYS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND FITTING TO FITTING. A RUN OF CONDUIT BETWEEN OUTLETS OR FITTINGS SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR QUARTER-BENDS INCLUDING THOSE BENDS LOCATED IMMEDIATELY AT THE OUTLET OR FITTING. THE RADIUS OF BENDS SHALL NEVER BE SHORTER THAN THAT OF THE CORRESPONDING TRADE ELBOW. THE SYSTEM SHALL BE COMPLETE WITH OUTLETS, DISTRIBUTION BOXES, ETC. SMOOTH INSIDE AND MECHANICALLY SECURE IN PLACE. APPROVED STRAPS, HANGERS, OR SUPPORTS SHALL BE USED TO SECURE CONDUITS IN PLACE. CONDUITS SHALL, IN GENERAL, BE SUPPORTED AT INTERVALS NOT EXCEEDING 10'-0" AND WITHIN 3'-0" OF EACH OUTLET BOX, JUNCTION BOX, CABINET OR FITTING.

I. CONDUITS SHALL BE PROTECTED DURING CONSTRUCTION; PLUG AND KEEP CLEAN AND DRY. CONDUIT ENDS SHALL BE BUTTED IN CENTERS OF COUPLINGS. NO CRACKS OR FLATTENED SECTIONS WILL BE PERMITTED AT BENDS OR ELSEWHERE. ALL ENDS OF CONDUIT SHALL BE REAMED TO REMOVE ROUGH EDGES. RUNNING THREADS WILL NOT BE PERMITTED.

- J. CONDUITS SHALL BE CONCEALED WITHIN THE WALLS, CEILINGS, AND FLOORS WHERE POSSIBLE AND UNLESS OTHERWISE NOTED. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES WITH THE BUILD- ING LINES.
- 18.WIRE AND CABLE:
- A. WIRE AND CABLE SHALL BE AMERICAN INSULATED WIRE CORP., GENERAL CABLE CORP., SENATOR WIRE AND CABLE CORP. SOUTHWIRE OR APPROVED EQUAL OF SIZES AS SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED.

B. ALL CONDUCTORS SHALL BE COPPER.

C. NO. 10 AWG AND SMALLER CONDUCTORS SHALL BE SOLID WITH INSULATION AND NO. 8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED WITH TYPE THHN/THWN INSULATION EXCEPT THAT CONDUCTORS WITHIN 3 INCHES OF LIGHT FIXTURE BALLASTS SHALL HAVE RHH, THHN, OR EQUAL INSULATION RATED FOR 90 DEGREES C. APPLICATION.

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STATE OF MISSOURI

KATLYN COLLIER

NUMBER

PE-2021046167

03/01/2024

PROFESSIONAL ENGINEER

REV. NO.	DATE	REVISIONS DESCRIPTION	BY

SITE LIGHTING SPECIFICATIONS

LONGVIEW MANSION PARKING ADDITION

PRELIMINARY DEVELOPMENT PLAN

2024

LEE'S SUMMIT, MO

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