PROJECT DIRECTORY

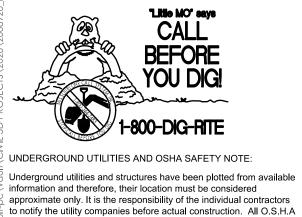
OWNER / DEVELOPER TM CROWLEY 501 PENNSYLVANIA PARKWAY SUITE 160 INDIANAPOLIS, IN 46280 (317) 705-8800

CIVIL ENGINEER PREMIER DESIGN GROUP 100 MIDLAND PARK DRIVE WENTZVILLE, MO 63385 314-925-7444 CONTACT: MATT FOGARTY

MUNICIPALITY

CITY OF LEE'S SUMMIT 200 SE GREEN LEE'S SUMMIT, MO 64063 (816) 969-1239 CONTACT: JENNIFER THOMPSON

E	EXIS	STING LEGEND
\bigcirc	FOL	JND IRON PIPE
0	SE1	IRON PIPE
•	FOL	JND STONE MONUMENT
Ķ	FIR	E HYDRANT
×	WA	TER VALVE
$\langle w \rangle$	WA	TER METER VAULT
ICV	IRR	IGATION CONTROL VALVE
Z ^s	GAS	S VALVE
$\langle G \rangle$	GAS	S METER
¢	LIG	HT STANDARD
eo •	CLE	AN OUT
\bigcirc	SAN	NITARY SEWER MANHOLE
•	STO	ORM SEWER MANHOLE
▤	STC	DRM SEWER INLET
BLRD	PIP	E BOLLARD
4	SIG	N
9	BUS	бН
*	TRE	E
TSB	TRA	AFFIC SIGNAL BOX
MW O	МО	
ð	TES	ST HOLE
PS D		DESTRIAN SIGNAL
(E)	ELE	CTRIC METER
<u> </u>		DRM CURB INLET
<u>न</u>		DRM DOUBLE CURB INLET
AC	AIR	CONDITIONER
DS 0		WN SPOUT
TEL O	TEL	EPHONE PEDESTAL
	BAC	CK OF CURB
F	PRC	POSED LEGEND
-	Ь	UTILITY POLE
		FIRE HYDRANT
	•	WATER VALVE
		WATER METER VAULT
c	 e	GAS METER
<u>-</u>		LIGHT STANDARD
•		CLEAN OUT
٥		MONITORING WELL
		SANITARY SEWER MANHOLE
		STORM SEWER MANHOLE
		GRATE INLET
		DOUBLE CURB INLET
٠		PIPE BOLLARD
-0	-	SIGN
		ELECTRIC METER
—Ug	Е —	UNDERGROUND ELECTRIC
— Ug	т —	UNDERGROUND TELEPHONE
—он	IE —	OVERHEAD ELECTRIC/PHONE
—2"\	N—	2" WATER MAIN
— 6"\	N —	6" WATER MAIN
— 8"\	N —	8" WATER MAIN
-X" G	iAS-	GAS LINE
	7	



rules and regulations established for the type of construction required by these plans shall be strictly followed (ie. trenching, blasting, etc.)

—507— CONTOUR LINE

UTILITY PROVIDERS

WATER

CITY OF LEE'S SUMMIT WATER 1200 SE HAMBLEN RD LEE'S SUMMIT, MO 64081 (816) 969 1900 CONTACT: T.B.D.

ELECTRIC EVERGY ELECTRIC 1351 NW WARD RD LEE'S SUMMIT, MO 64086 (888) 471-5275 CONTACT: T.B.D.

GAS

SPIRE GAS 1117 S. PLEASANT ST INDEPENDENCE, MO 64050 (800) 582-1234 CONTACT: T.B.D.

TELEPHONE

AT&T BUSINESS COMMUNICATION SERVICES (618) 346-6400 CONTACT: T.B.D.

FIRE DEPARTMENT

CITY OF LEE'S SUMMIT FIRE PROTECTION 207 E. DOUGLAS BLVD LEE'S SUMMIT, MO 64063 (816) 969-1313 CONTACT: MIKE SNIDER - FIRE CHIEF

SANITARY SEWER

CITY OF LEE'S SUMMIT SEWER 1200 SE HAMBLEN ROAD LEE'S SUMMIT, MO 64081 (816) 969 1900 CONTACT: T.B.D.

CABLE

SPECTRUM 188 NW OLDHAM PKWY LEE'S SUMMIT, MO 64081 (874) 874 2389 CONTACT: T.B.D.

CONSTRUCTION PLANS FOR



250 NW MCNARY CT.

ALL OF LOT 3B, SUMMIT TEC ANNEX-LOTS 3A, 3B, AND 3C, A SUBDIVISION IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, ACCORDING TO THE RECORDED PLAT THEREOF, BEING A REPLAT OF LOT I AND TRACT A OF BLOCK 3 OF SUMMIT TEC INDUSTRIAL PARK, A SUBDIVISION IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI.



LOCATION MAP 1" = 250'

DISTURBED AREA = 1.63 ACRES

DATUM BENCHMARK

JA-43: KC METRO ALUM GRS DISK SET IN CONCRETE : KC METRO ALUM GRS DISK SET IN CONCRETE ABOUT 0.5 MILES SOUTH OF THE I-470 INTERSECTION WITH DOUGLAS ROAD AND NEAR THE INTERSECTION WITH NW VICTORIA STREET. ELEV:934.77

SITE BENCHMARKS

BM#1 CHISELED SQUARE CUT INTO THE MIDDLE FRONT OF THE : CHISELED SQUARE CUT INTO THE MIDDLE FRONT OF THE WEST CURB INLET AT THE END OF CUL-DE-SAC ELEV= 999.04

BM#2 - CHISELED CROSS AT THE NORTHERN END OF INLET AT END OF CUL-DE-SAC ELEV:999.16

BM#3 - CHISELED CROSS AT THE SOUTHEAST CORNER OF THE

SOUTHWESTERN CURB INLET LOCATED PRIOR TO THE CUL-DE-SAC ROUNDING. ELEV: 1006.12

MBOE - (MINIMUM BUILDING OPENING ELEVATION) ELEV = 1001.00



SHEET INDEX

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C-801	UTILITY DETAILS
L-100	LANDSCAPE PLAN

PROPERTY DATA

OVERALL SITE ACREAGE	±2.11 ACRES - 92,014 S.F.
ADDRESS	250 NW MCNARY CT.
PARCEL ID#	52-900-03-42-00-0-00-000
EXISTING ZONING	CP-2
CURRENT LAND USE	VACANT COMMERCIAL PROPERTY
PROPOSED LAND USE	PET SERVICES AND VETERINARY CLINIC

LEGAL DESCRIPTION:

ALL OF LOT 3B, SUMMIT TEC ANNEX-LOTS 3A, 3B, AND 3C, A SUBDIVISION IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, ACCORDING TO THE RECORDED PLAT THEREOF, BEING A REPLAT OF LOT I AND TRACT A OF BLOCK 3 OF SUMMIT TEC INDUSTRIAL PARK, A SUBDIVISION IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI.

SITE COVERAGE CALCULATIONS

SITE AREA = 2.11 ACRES FLOOR TO AREA RATIO 14,100/92,014 = 0.15 FAR

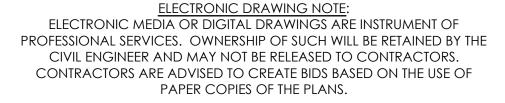
EXISTING IMPERVIOUS AREA PARKING LOT AND BUILDING 0.00 ACRES OF PAVEMENT 0.00 ACRES OF BUILDING

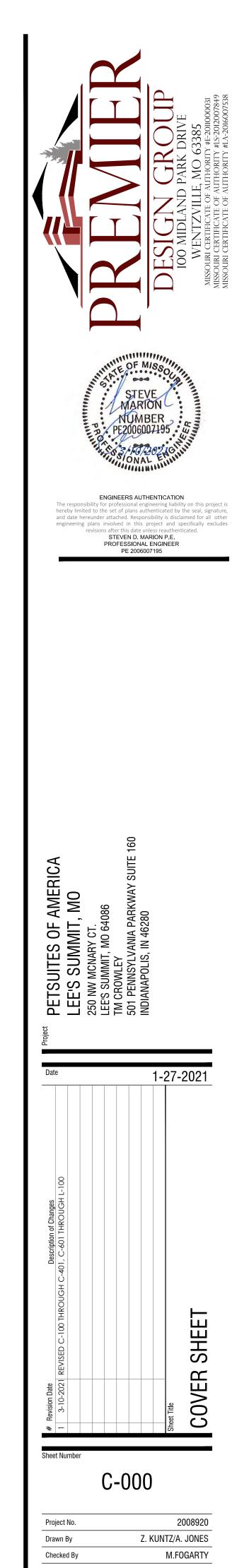
EXISTING GREEN SPACE 2.11 ACRES

EXISTING PERCENT OF IMPERVIOUS AREA COVERAGE = 0% PROPOSED IMPERVIOUS AREA PARKING LOT AND BUILDING 0.67 ACRES OF PAVEMENT 0.32 ACRES OF BUILDING

PROPOSED GREEN SPACE 1.12 ACRES OF GREEN SPACE

PROPOSED PERCENT OF IMPERVIOUS AREA COVERAGE = 46.9%





NOT RELEASED FOR CONSTRUCTION

- TRAFFIC CONTROL ON ALL STATE, CITY AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE

- TO EXISTING CONCRETE PAVEMENT

- 10. FIELD DENSITY TESTS SHALL BE TAKEN AT A FREQUENCY AS REQUIRED IN THE PROJECT SPECIFICATIONS.

- CURB ELEVATIONS.
- DTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- OFF-SITE DISCHARGE WHICH VIOLATES LOCAL. STATE, OR FEDERAL WATER QUALITY STANDARDS

- 22. ALL BENDS LESS THAN 42" DIAMETER MUST BE FACTORY MANUFACTURED BENDS.

- ARE NOTED AS FOLLOWS: TP=TOP OF PAVEMEN TC=TOP OF CURB TW=TOP OF WALL BW=FINISHED GROUND AT FACE OF WALL

GRADING PLAN NOTES:

- 2. ALL GRADES SHALL BE WITHIN 0.1 FEET MORE OR LESS OF THOSE SHOWN ON THE GRADING PLAN.

- AND DETAILS.

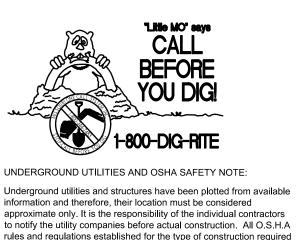
- FREEZE

ADA COMPLIANCE NOTES:

- SLOPES ARE NOT EXCEEDED.

ABBREVIATIONS:

/	
DAI	DOUBLE AREA INLET (OPEN 6
MH	MANHOLE
Cl	CURB INLET
DCI	DOUBLE CURB INLET
GSI	GRATE INLET WITH SIDE INTAK
2GSI	2 GRATE INLET WITH SIDE INTA
DME	ADS DOME
EP	END OF PIPE
FES	FLARED END SECTION
IMH	INTERCEPTOR MANHOLE
TD	TRENCH DRAIN
ATG	ADJUST TO GRADE
*	DENOTES HYDRAULIC GRADE
TBR T	O BE REMOVED
TBR&R T	O BE REMOVED & REPLACED



by these plans shall be strictly followed (ie. trenching, blasting, etc.)

PAVING, GRADING, AND DRAINAGE NOTES

1. ALL PAVING, CONSTRUCTION MATERIALS, AND WORKMANSHIP WITHIN CITY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT.

ALL AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY SITE CONSTRUCTION SHALL BE RE-GRADED AND LANDSCAPED OR PAVED, (WHATEVER WAS THERE BEFORE DISTURBANCE). ALL DISTURBED AREAS SHALL BE REPAIRED TO THE PREVIOUS CONDITION OR BETTER THAN BEFORE AREA WAS DISTURBED.

REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL RE-GRADE ANY WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL EVENT UNTIL SOIL IS STABILIZED.

ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS AND THE PROJECT SPECIFICATIONS. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT TO FULL DEPTH OF EXISTING PAVEMENT. CONTRACTOR SHALL PREPARE A SMOOTH, SOUND, VERTICAL FACE AND MATCH THE EXISTING PAVEMENT ELEVATION UNLESS OTHERWISE NOTED. CONTRACTOR SHALL INSTALL LONGITUDINAL BUTT JOINTS WHEN CONNECTING

7. THE CONTRACTOR SHALL ENSURE THAT ALL PLANTING AREAS ARE NOT OVERLY COMPACTED AND DO NOT CONTAIN LIMEROCK. THE CONTRACTOR SHALL EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED.

8. ALL DRAINAGE STRUCTURES SHALL BE DE-SILTED AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

9. STRIP TOPSOIL AND ORGANIC MATTER AND PAVING MATERIAL FROM ALL AREAS UNDER BUILDING. TOPSOIL MAY BE STOCKPILED ON SITE FOR REPLACEMENT IN GREEN AREAS

11. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE HANDICAPPED ROUTES (PER A.D.A. REQUIREMENTS) EXIST TO AND FROM EVERY ACCESSIBLE DOOR. IN NO CASE SHALL HANDICAP RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5.0 PERCENT. CONTRACTOR SHALL CONTACT ARCHITECT AND CIVIL ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR A.D.A. COMPLIANCE ISSUES.

12. CONTRACTOR ADJUSTMENT TO SPOT GRADES TO MAINTAIN POSITIVE DRAINAGE IS ALLOWED, ONLY WITH THE PRIOR APPROVAL OF THE CIVIL ENGINEER. CONTRACTOR SHALL CONTACT THE CIVIL ENGINEER PRIOR TO PAVING IF ANY AREAS OF POOR DRAINAGE ARE ENCOUNTERED.

13. SPOT ELEVATIONS SHOWN ARE TO TOP OF PAVING SURFACE OR FINISHED EARTH GRADE UNLESS NOTED OTHERWISE. WHERE APPLICABLE, ADD 0.50 FEET TO SPOT GRADES SHOWN FOR TOP OF

14. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH. THE AREAS SHALL THEN BE STABILIZED AS SPECIFIED IN THE PLANS AND MAINTAINED UNTIL SOIL IS STABILIZED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR

16. THE CONTRACTOR TAKE ALL MEASURES NECESSARY TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO, THE INSTALLATION OF BMP'S AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. BMP'S MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE TEMPORARY BARRIERS, AT NO TIME SHALL THERE BE ANY

17. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE STORM WATER PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS, IN GOOD CONDITION, AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY JURISDICTIONAL AGENCIES

18. IF ANY EXISTING STRUCTURES, FACILITIES, OR IMPROVEMENTS (PUBLIC OR PRIVATE) TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE, FACILITY, OR IMPROVEMENT AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.

19. REFERENCE THE SWPPP INCLUDED IN THIS PLAN SET AND IN THE PROJECT SPECIFICATIONS FOR THIS PROJECT.

20. CONTRACTOR SHALL REFERENCE ARCHITECT AND ELECTRICAL PLANS AND PROVIDE CONDUIT NEEDED FOR LOT LIGHTING AND SIGNAGE PRIOR TO SITE PAVING.

21. PAVING LINE AND GRADE SHALL "FLUSHOUT" ALONG ALL CONNECTIONS TO EXISTING PAVING.

23. ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE PROJECT GEOTECHNICAL SERVICE REPORT FOR THIS SITE.

24. PAVING CONTRACTOR IS RESPONSIBLE FOR ALL LAY DOWN CURBS AT INTERSECTIONS WHERE BARRIER FREE RAMPS ARE TO BE CONSTRUCTED.

25. REFERENCE DETAIL SHEETS FOR PAVEMENT JOINT SPACING AND REQUIREMENTS. ALL SAWCUT AND JOINT LOCATIONS WILL BE AS REQUIRED BY THE CITY OF WENTZVILLE INSPECTOR.

26. PRIVATE STORM PIPE MATERIAL SHALL BE PER CITY OF LEE'S SUMMIT SPECIFICATIONS.

27. ALL ELEVATIONS SHOWN ON THE GRADING PLAN ARE TO TOP OF PAVEMENT OR FINISHED GROUND UNLESS NOTED OTHERWISE. ELEVATIONS TO POINTS OTHER THAN THE TOP OF PAVEMENT

GRND=FINISHED GROUND AT YARD DRAINS, TOP OF FINISHED GRADE IN NON-PAVEMENT AREAS

1. THE CONTRACTOR SHALL RESTORE OFFSITE CONSTRUCTION AREAS TO AN EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

3. NO SLOPE SHALL BE GREATER THAN 3:1 AND SHALL BE EITHER SODDED OR SEEDED AND MULCHED UNLESS OTHERWISE NOTED OR DETAILED.

4. THE CONTRACTOR SHALL FIELD INVESTIGATE THE ENTIRE SITE PRIOR TO HIS BID SUBMITTAL NOTING THE EXISTING VEGETATION. PAVEMENT AREAS, BUILDING MATERIALS, BUILDING MATERIAL TYPES, PARKING LIGHTING, UTILITIES AND TREES. THE REMOVAL AND DISPOSAL OF ALL ITEMS SHALL BE INCLUDED IN THE BID.

5. NO AREA SHALL BE CLEARED WITHOUT PERMISSION OF THE OWNER/DEVELOPER. SILTATION CONTROL WILL BE PROVIDED AS REQUIRED TO PREVENT RUN-OFF. REFER TO THE EROSION CONTROL PLAN(S)

6. ALL TRASH, DEBRIS, ORGANIC MATERIAL, REFUSE, FROZEN EARTH, ETC., SHALL BE REMOVED FROM FILL AREAS PRIOR TO THE PLACEMENT OF CONTROLLED FILL. ALL FILLS AND BACKFILLS SHALL BE MADE of selected earth materials, free from broken masonry, rock, frozen earth, rubbish, organic material and debris.

THE CONTRACTOR SHALL PROVIDE EROSION CONTROL PER THE EROSION CONTROL PLAN(S) AND MAY BE REQUIRED TO PROVIDE ADDITIONAL MEASURES AS REQUESTED BY THE CITY OF LEE'S SUMMIT, SHOULD THE EROSION CONTROL PLAN AND DETAILS PROVE TO BE INSUFFICIENT DUE TO UNFORESEEN CIRCUMSTANCES.

8. CARE SHALL BE EXERCISED IN COMPACTION OF BACKFILL MATERIALS OVER THE TOP OF STRUCTURES OR PIPES IN ORDER TO PREVENT DAMAGE TO THE WATERPROOFING MEMBRANES, JOINTS, SEALS AND/OR THE PIPES AND STRUCTURES THEMSELVES, COMPACTION AND PLACING OF BACKFILL AND FILL MATERIALS SHALL BE PERFORMED UNDER THE CONTINUOUS SUPERVISION OF AN APPROVED TESTING LABORATORY. FILL SHALL NOT BE PLACED ON FROZEN GROUND, NOR SHALL FILLING OPERATIONS CONTINUE WHEN THE TEMPERATURE IS SUCH AS TO PERMIT THE LAYER UNDER PLACEMENT TO

9. ALL CITY, COUNTY, AND STATE ROADS SHALL BE KEPT FREE OF DIRT DAILY.

10. FINAL GRADES SHALL MATCH EXISTING ELEVATIONS AT THE LAND DISTURBANCE LIMITS UNLESS OTHERWISE SHOWN.

11. THE DEVELOPER IS REQUIRED TO PROVIDE ADEQUATE STORM WATER SYSTEMS IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT AND EPA STANDARDS.

12. ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE CITY OF LEE'S SUMMIT AND EPA STANDARDS.

13. INTERIM STORM WATER DRAINAGE CONTROL IN THE FORM OF SILTATION CONTROL MEASURES ARE REQUIRED

14. ANY LAND DISTURBANCE ACTIVITY INVOLVING ONE (1) ACRE OR MORE OF LAND IS A MAJOR LAND DISTURBANCE (MLD) AND A LAND DISTURBANCE FOR THE MLD MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS. ANY LAND DISTURBANCE ACTIVITY INVOLVING LESS THAN ONE (1) ACRE IS AN ORDINARY LAND DISTURBANCE AND THE APPROPRIATE PERMIT(S) MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS. 15. G.C. TO BE AWARE THAT A LAND DISTURBANCE PERMIT WILL BE REQUIRED. SITE PLAN/PLAT APPROVAL IS NOT TO BE CONSTRUED AS APPROVAL OF A LAND DISTURBANCE PERMIT.

16. ALL WORK SHALL BE IN COMPLIANCE WITH THE PROJECT GEOTECHNICAL SERVICES REPORT FOR THIS PROJECT

17. ANY DISTURBED SIDEWALK OR CONCRETE PAVEMENT AREAS SHALL BE REPAIRED BY FULL SLAB REPLACEMENT UNLESS SPECIFICALLY AUTHORIZED BY THE DEVELOPER OR MUNICIPALITY HAVING JURISDICTION.

18. ALL UTILITY SPOILS SHALL BE INCLUDED IN THE GENERAL CONTRACTOR'S BID. GENERAL CONTRACTOR SHALL COORDINATE WITH THE EXCAVATOR AND UTILITY INSTALLER

1. CONTRACTOR SHALL CONFIRM ALL EXISTING SLOPES FOR ACCESSIBLE ROUTES AS WELL AS THE ACCESSIBLE PARKING STALLS AND ACCESSIBLE AISLES WITH A SLOPE METER TO CONFIRM MAXIMUM

2. CONTRACTOR IS REQUIRED TO PROVIDE AS-BUILT SPOT ELEVATIONS ALONG THE ACCESSIBLE ROUTES SHOWN ON THIS PLAN EVERY 10 FEET IN ORDER TO CONFIRM MAXIMUM (2%) CROSS-SLOPE AND MAXIMUM (5%) SLOPES IN THE DIRECTION OF TRAVEL. IN ADDITION, SPOT ELEVATIONS ARE REQUIRED ON ALL CORNERS AND MIDPOINTS OF ACCESSIBLE PARKING STALLS AND ACCESSIBLE AISLES TO CONFIRM MAXIMUM 2% SLOPES ARE NOT EXCEEDED IN ALL DIRECTIONS. THIS INFORMATION SHALL BE PROVIDED, A MINIMUM OF 2 WEEKS BEFORE STORE TURNOVER

3. THE GENERAL AND CONCRETE CONTRACTOR SHALL FIELD VERIFY ADA SLOPES DURING CONCRETE POUR. A 2' SMART LEVEL WITH AN ACCURACY TO .029 PERCENT SHALL BE USED FOR VERIFYING SLOPES. ANY SLOPES IN THE ADA AREAS THAT EXCEED A 2% CROSS SLOPE ALONG THE BUILDING, ADA STALLS AND/OR SIDEWALK, 5% RUNNING SLOPE FOR SIDEWALKS AWAY FROM THE PROPOSED CVS BUILDING, AND EXCEED 8.3% ON RAMPS SHALL BE REMOVED AND REPLACED AT THE CONCRETE CONTRACTOR'S EXPENSE. THE SURVEYOR FOR STAKING CAN PROVIDE A REFERENCE FOR ELEVATION HOWEVER CONFIRMATION IS REQUIRED BY SLOPE LEVEL DURING CONSTRUCTION.

AREA INLET (OPEN 4 SIDES UNLESS NOTED OTHERWISE JBLE AREA INLET (OPEN 6 SIDES UNLESS NOTED OTHERWISE.)

TE INLET WITH SIDE INTAKE. (ELEVATION OF INLET TOP IS TO THE TOP OF GRATE, ADD 0.50' FOR TOP OF SIDE INTAKE.) ATE INLET WITH SIDE INTAKE. (ELEVATION OF INLET TOP IS TO THE TOP OF GRATE, ADD 0.50' FOR TOP OF SIDE INTAKE.)

CH DRAIN JST TO GRADE DTES HYDRAULIC GRADE JUMF general notes

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE BOOK, AND THESE CONSTRUCTION PLANS. IN CASE OF CO MOST STRINGENT SPECIFICATION SHALL APPLY.
DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, AI APPROVED BY THE CITY OF LEE'S SUMMIT ENGINEERING DIV BE WHICH ARE MADE DURING THE BIDDING PHASE WILL HA
THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ACCORDANCE WITH THE APPROPRIATE APPROVING AUTH CONDITIONS.

4. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ACCURATE. THE LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK (INCLUDING ORDERING OF MATERIALS) IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR CEC WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.

THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS. SPECIFICATIONS AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND EROSION CONTROL PLANS AND INSPECTION REPORTS (SWPPP).

ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER & CIVIL ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL TO THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND CIVIL ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.

DIRECTLY FROM THE TESTING AGENCY.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE CIVIL ENGINEER AND TO CITY A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.

ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.

12. CONTRACTORS SHALL VERIFY BENCHMARKS AND DATUMS PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS.

13. CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER AND CIVIL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.

CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.

15. ALL DIMENSIONS GIVEN ARE TO FACE OF CURB AND/OR BUILDING. DIMENSIONS FOR PIPES AND STRUCTURES ARE TO THE CENTERLINE, UNLESS OTHERWISE NOTED ON PLANS. 16. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RELOCATIONS AND INSTALLATIONS OF FRANCHISE UTILITIES NECESSARY FOR ON- AND OFF-SITE CONSTRUCTION.

17. ON-SITE AND PERIMETER TRUCK ROUTE AND OTHER DIRECTIONAL SIGNAGE SHALL BE LOCATED OUT OF THE PEDESTRIAN, AUTOMOBILE, AND TRUCK ROUTES AND SHALL BE LOCATED BETWEEN THREE TO FIVE FEET BEHIND THE NEAREST BACK OF CURB UNLESS INDICATED OTHERWISE ON PLANS. SIGN HEIGHT, LOCATION, AND STRUCTURE SHALL BE SUCH THAT THE SIGNS POSE NO THREAT TO PUBLIC SAFETY

18. ON-SITE AND PERIMETER TRUCK ROUTE AND OTHER DIRECTIONAL SIGNS SHALL BE ORIENTED SO THEY ARE READILY VISIBLE TO THE ONCOMING TRAFFIC FOR WHICH THEY ARE INTENDED. FIELD ADJUSTMENTS OF LOCATION AND ORIENTATION OF THE SIGNS ARE TO BE MADE TO ACCOMPLISH THIS

19. CONTRACTOR SHALL REPLACE ANY FENCING, CURBING, ETC. THAT IS DESTROYED OR DAMAGED DUE TO THE CONSTRUCTION ACTIVITIES.

20. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DEVICES AND PLANS FOR ANY STREET WORK

21. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS ONTO DEVELOPED OR UNDEVELOPED AREAS WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S RESPONSIBILITY TO REPAIR.

24. TO THE MAXIMUM EXTENT PRACTICAL, CONSTRUCTION STAGING, WORKER PARKING, AND ANY OTHER POTENTIALLY NOISY OR OFFENSIVE CONSTRUCTION ACTIVITY SHOULD BE LOCATED AS FAR FROM THE RESIDENTIAL NEIGHBORS AS POSSIBLE.

25. CONTRACTOR SHALL KEEP THE CONSTRUCTION SITE SECURE FROM TRESPASSERS AT ALL TIMES.

CONTRACTOR SHALL CONTACT CITY BUILDING OFFICIAL TO LEARN OF ANY UNUSUAL CONSTRUCTION SEQUENCING REQUIREMENTS THAT THE CITY MAY REQUIRE. THE CONTRACTOR IS CAUTIONED THAT THIS AND PERHAPS OTHER SUCH REQUIREMENTS MAY EXIST AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND COMPLY WITH THEM.

27. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY FENCE OR WALL PERMITS FROM THE CITY

WILL REQUIRE DEVELOPER APPROVAL FOR EACH ITEM.

UTILITY PLAN NOTES:

2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE 3. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-6' COVER ON ALL WATERLINES AND 3'-6' ON ALL SANITARY SEWER LINES. 4. CONNECTION FROM THE METER TO SITE UTILITY LINES SHALL BE MADE BY BUILDING CONTRACTOR 5. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES. REFER TO MECHANICAL, ELECTRIC AND PLUMBING DRAWINGS FOR ACTUAL TIE-IN LOCATIONS FOR UTILITIES. 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 COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. 8. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO THE FINAL CONNECTION OF SERVICE. 9. ALL UTILITY SEWER TRENCH BACKFILL SHALL HAVE GRANULAR BACKFILL AND BE MECHANICALLY COMPACTED. 10. THE CONTRACTOR SHALL VERIFY THE LOCATION, CONDITION AND ELEVATION OF ALL PROPOSED SEWER CONNECTION POINTS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT WOULD INTERFERE WITH THE PROPOSED SEWER DESIGN SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER. 11. ALL PERMIT FEES AND COSTS ASSOCIATED WITH BRINGING UTILITY, SEWER AND WATER SERVICES TO THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FEES AND COSTS SHALL BE INCLUDED IN THE CONTRACTORS BID. 12. G.C. IS TO PROVIDE TRENCH, WIRE, AND CONDUIT FOR TELEPHONE AND ELECTRICAL SERVICES, BACKFILL AND GRADE SMOOTH FOR A COMPLETE TELEPHONE AND ELECTRIC INSTALLATION. 13. G.C. SHALL BE RESPONSIBLE FOR ANY TAPS TO BE MADE UNDER THE SUPERVISION OF THE CITY WATER DIVISION. 14. ANY DISTURBED SIDEWALK SHALL BE FULL SLAB REPLACEMENT. 15. EXISTING SANITARY SEWER AND WATER SERVICE SHALL NOT BE INTERRUPTED 16. THE CONTRACTOR SHALL INCLUDE THE COST ESTIMATE PROVIDED BY EVERGY IN HIS/HER BID FOR THE RELOCATION/REMOVAL OF ANY OVERHEAD ELECTRIC OR GUY WIRES. 17. THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE(\$) WILL BE DETERMINED BY THE CITY OF LEE'S SUMMIT FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED. 18. ALL STORM SEWER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT STANDARD SPECIFICATIONS AND CONSTRUCTION DETAILS. 19. ALL LATERAL SEWER CONSTRUCTION METHODS TO CONFORM TO LATEST STANDARDS AND SPECIFICATIONS FOR THE CITY OF LEE'S SUMMIT SEWER STANDARD SPECIFICATIONS AND CONSTRUCTION DETAILS. 20. ALL CONNECTIONS TO PUBLIC WATER SHALL BE AS REQUIRED BY THE CITY OF LEE'S SUMMIT WATER WATER DIVISION. 21. CONNECTION TO PUBLIC SEWER MAINS SHALL BE AS REQUIRED BY THE CITY OF LEE'S SUMMIT SEWER SANITARY. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PROVIDER PRIOR TO CONNECTION TO PUBLIC SEWERS 22. ALL TRENCHES UNDER AREAS TO BE PAVED AND UNDER EXISTING PAVING SHALL BE GRANULARLY FILLED WITH 3/4" MINUS CRUSHED LIMESTONE ONLY. BACKFILL SHALL BE PLACED IN ACCORDANCE WITH CITY OF LEE'S SUMMIT STANDARDS. 23. TYPE "C" BEDDING PER CITY OF LEE'S SUMMIT STANDARDS REQUIRED FOR PIPES IN ROCK. 24. ALL TRENCH BACKFILLS UNDER PAVEMENT WITHIN PUBLIC RIGHT-OF-WAY SHALL BE GRANULAR BACKFILLED. TRENCH BACKFILLS UNDER PAVED AREAS. OUTSIDE OF PUBLIC RIGHT-OF-WAY SHALL BE GRANULAR BACKFILL IN LIEU OF THE EARTH BACKFILL COMPACTED TO 90 PERCENT OF THE STANDARD AASHTO T-180 COMPACTION TEST A.S.T.M. D-1557. 25. ALL CONCRETE PIPE SHALL BE REINFORCED, AND CONFORM TO A.S.T.M. DESIGNATION C76-80 CLASS III UNLESS OTHERWISE NOTED. 26. ALL DIMENSIONS ARE TO THE CENTERLINE OF STRUCTURE EXCEPT FOR END OF PIPES OR FLARED ENDS. FLARED END DIMENSIONS VARY. CONTRACTOR SHALL VERIFY LENGTHS FOR FLARED END SECTIONS PER PROPOSED TYPE OF FLARED END SUBMITTED. REFER TO THE CORRESPONDING SEWER PROFILE SHEET FOR EXACT DIMENSIONS IF APPLICABLE. 27. PLUMBING CONTRACTOR AND SURVEYOR SHALL CONFIRM STRUCTURES PROPOSED ON THESE PLANS MATCH THE PROPOSED STRUCTURES THAT ARE ONSITE. DUE TO CHANGE OF ELEVATIONS, AND LOCATIONS DEPENDING ON THE STRUCTURE AND TYPE, THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ISSUES FOR PROPOSING A DIFFERENT TYPE OF STRUCTURE OR PIPE THAN WHAT IS ON THESE PLANS. GENERAL CONTRACTOR SHALL REIMBURSE CIVIL ENGINEER FOR ANY TIME AND MATERIALS TO ADDRESS CHANGES TO STRUCTURES OR DESIGN FROM WHAT HAS BEEN APPROVED TO REDUCE OVERALL CONSTRUCTION COSTS. 28. STANDARDS AND DETAILS FROMCITY OF LEE'S SUMMIT STANDARDS PLANS SHALL SUPERCEDE THESE REQUIREMENTS

CITY OF LEE'S SUMMIT SPECIFICATIONS, CITY OF LEE'S SUMMIT "STANDARD DETAILS", LATEST EDITION, THE PROJECT SPECIFICATIONS DNFLICTING SPECIFICATIONS FOR DETAILS, THE CIVIL ENGINEER SHALL BE CONTACTED PRIOR TO CONSTRUCTION, GENERALLY, THE

ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE VISION BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT IAVE NO BEARING ON THE DECISION.

NG ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN THORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, 3-WAY CONTRACTS, AND BONDS PRIOR TO CONSTRUCTIONS.

ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE CIVIL ENGINEER OF RECORD AND THE CITY OF LEE'S SUMMIT ENGINEERING DIVISION

REGISTERED IN THE STATE OF MISSOURI DEPICTING THE ACTUAL FILED LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE

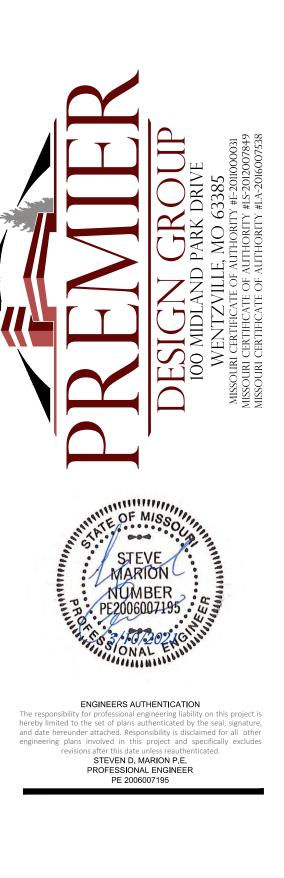
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A TRENCH SAFETY PLAN TO THE DEVELOPER AT THE TIME OF THE PRE-CONSTRUCTION MEETING, OR PRIOR TO BEGINNING CONSTRUCTION OF THESE IMPROVEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH MISSOURI STATE LAW AND O.S.H.A. STANDARDS FOR ALL EXCAVATION IN EXCESS OF FIVE FEET IN DEPTH. NO OPEN TRENCHES WILL BE ALLOWED OVERNIGHT. ONSITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

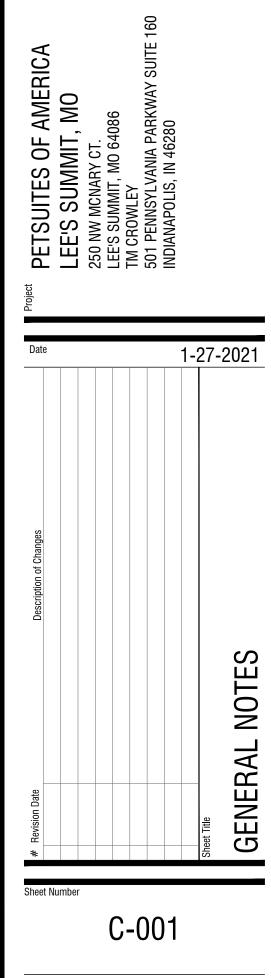
23. LIGHT POLES AND SIGNS SHALL NOT BE PLACED IN ADA ACCESSIBLE ROUTES, ACCESSIBLE ACCESS AISLES, AND/OR REINFORCED ZONES BEHIND RETAINING WALLS.

28. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE TRAFFIC CONTROL PER CITY OF LEE'S SUMMIT STANDARDS.

29. CONTRACTOR SHALL INCLUDE ALL ITEMS THAT ARE LISTED FROM THE EXHIBIT B WORK LETTER BETWEEN THE DEVELOPER AND STARBUCKS IN THEIR BID. ANY DEVIATIONS FROM THE WORK LETTER

1. ALL FILL MATERIAL SHALL BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.





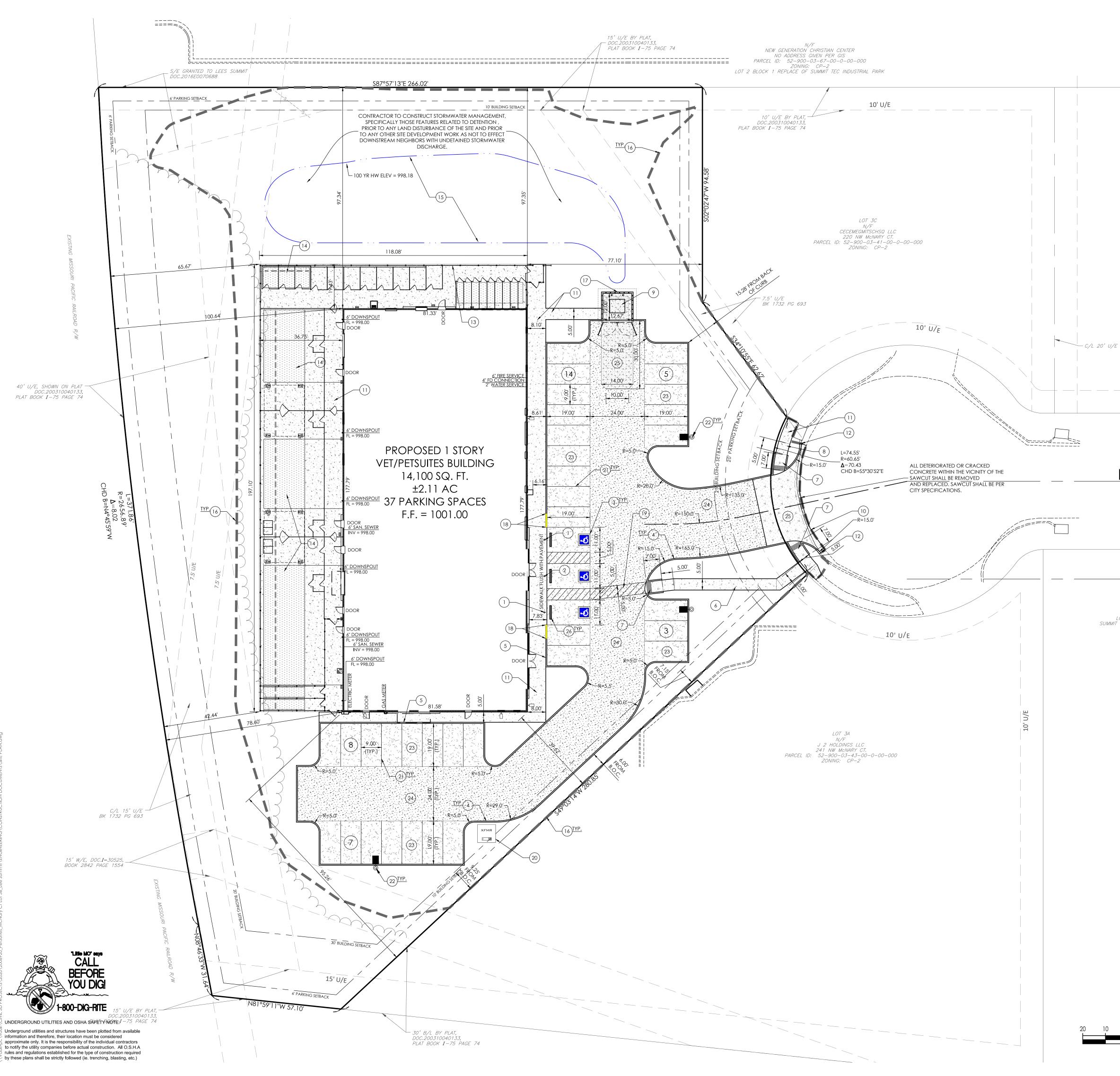
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Z. KUNTZ/A. JONES

Project N

Drawn B



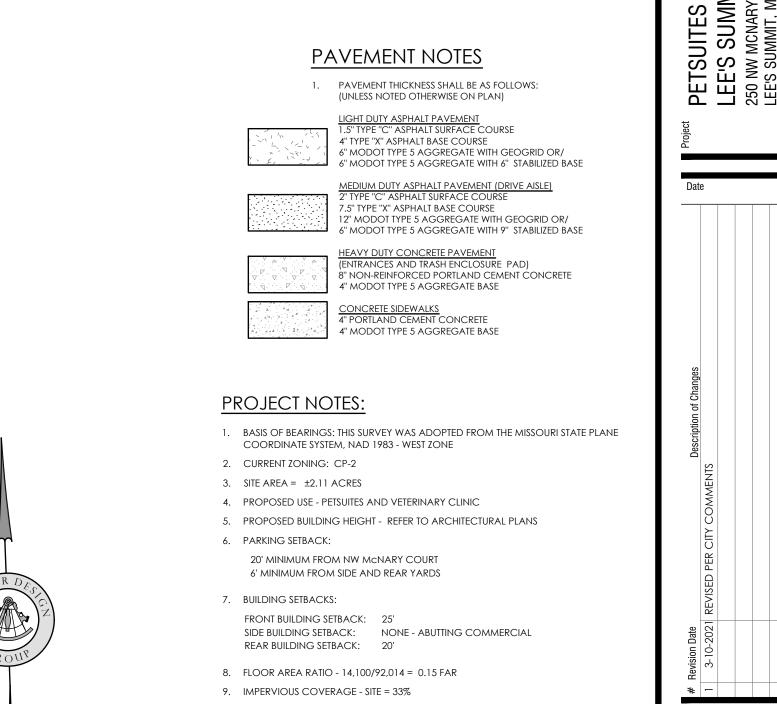
CODE	DESCRIPTION
1	PROPOSED ACCESSIBLE PARKING SIGN, REFERENCE DETAIL 13 ON SHEET C-700
2	PROPOSED VAN ACCESSIBLE PARKING SIGN, REFERENCE DETAIL 14 ON SHEET C-700
3	PROPOSED INTERNATIONAL SYMBOL OF ACCESSIBILITY, REFERENCE DETAIL 16 ON SHEET C-700
4	PROPOSED 6" VERTICAL CURB (CG-1), REFERENCE DETAIL 18 ON SHEET C-700
5	PROPOSED INTEGRAL CONCRETE CURB AND SIDEWALK, REFERENCE DETAIL 10 ON SHEET C-700
6	PROPOSED SIDEWALK CONNECTION TO RIGHT OF WAY. PROPOSED WALK SHALL NOT EXCEED 2% CROSS SLOPE AND 5% LONGITUDAL SLOPE.
7	PROPOSED ADA ACCESSIBLE RAMP. RAMP SHALL NOT EXCEED 2% CROSS SLOPE AND 8.33% LONGITUDAL SLOPE.
8	PROPOSED ACCESSIBLE LANDING. LANDING SHALL BE 5`X5` AT THE TOP OF THE RAMP.
9	PROPOSED TRASH ENCLOSURE - REFER TO ARCHITECTURAL PLANS FOR DESIGN AND DETAILS.
10	PROPOSED STREET SAWCUT PER JURISDICTIONAL REQUIREMENTS
11	PROPOSED CONCRETE SIDEWALK, REFERENCE DETAIL 07 ON SHEET C-700
12	SAWCUT AND MATCH EXISTING CURB AND/OR PAVEMENT ELEVATION AT NEAREST JOINT.
13	PROPOSED 6` TALL VINYL PLAY YARD FENCE - REFER TO ARCHITECTURAL PLANS FOR DESIGN, DETAILS, DIMENSIONS AND MANUFACTURER
14	PROPOSED TURF AREAS WITH UNDERDRAIN, REFERENCE ARCHITECTURAL PLANS FOR DETAIL OF TURF AREA, SHEET C-300 FOR UNDERDRAIN DETAIL
15	PROPOSED DETENTION BASIN 100 YEAR HW LIMITS
16	LAND DISTURBANCE LIMITS
17	4` WIDE OPENING AT THE FIRST COURSE OF THE TRASH ENCLOSURE FOR DRAINAGE
18	TRANSITION CURB FROM 6" TALL TO FLUSH CURB, REFERENCE DETAIL 08 ON SHEET C-700
19	PROPOSED CROSS STRIPING, REFERENCE DETAIL 15 ON SHEET C-700
20	TRANSFORMER PAD AND BOLLARDS SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR PER EVERGY SPECIFICATIONS
21	PARKING STALL STRIPING SHALL BE WHITE 4" ROLLED STRIPE DOUBLE PAINTED
22	PROPOSED LIGHT STANDARD. REFERENCE SHEET C-700 FOR LIGHTING BASE DETAILS. VERIFY BASE CENTER AND DIAMTER TO BACK OF CURB LOCATION. LIGHT STANDARD/POLE SHALL BE PLACED 3.0` THE BACK OF CURB TO THE EDGE OF SONOTUBE.
23	LIGHT DUTY ASPHALT PAVEMENT, REFERENCE DETAIL 06 ON SHEET C-700
24	MEDIUM DUTY ASPHALT PAVEMENT, REFERENCE DETAIL 05 ON SHEET C-700
25	HEAVY DUTY CONCRETE PAVEMENT, REFERENCE DETAIL 04 ON SHEET C-700
26	PRECAST WHEEL STOP, REFERENCE DETAIL 09 ON SHEET C-700

NW_MCNARY_COUR 60' ROW

LOT 2 SUMMIT TEC ANNEX

1'' = 20'

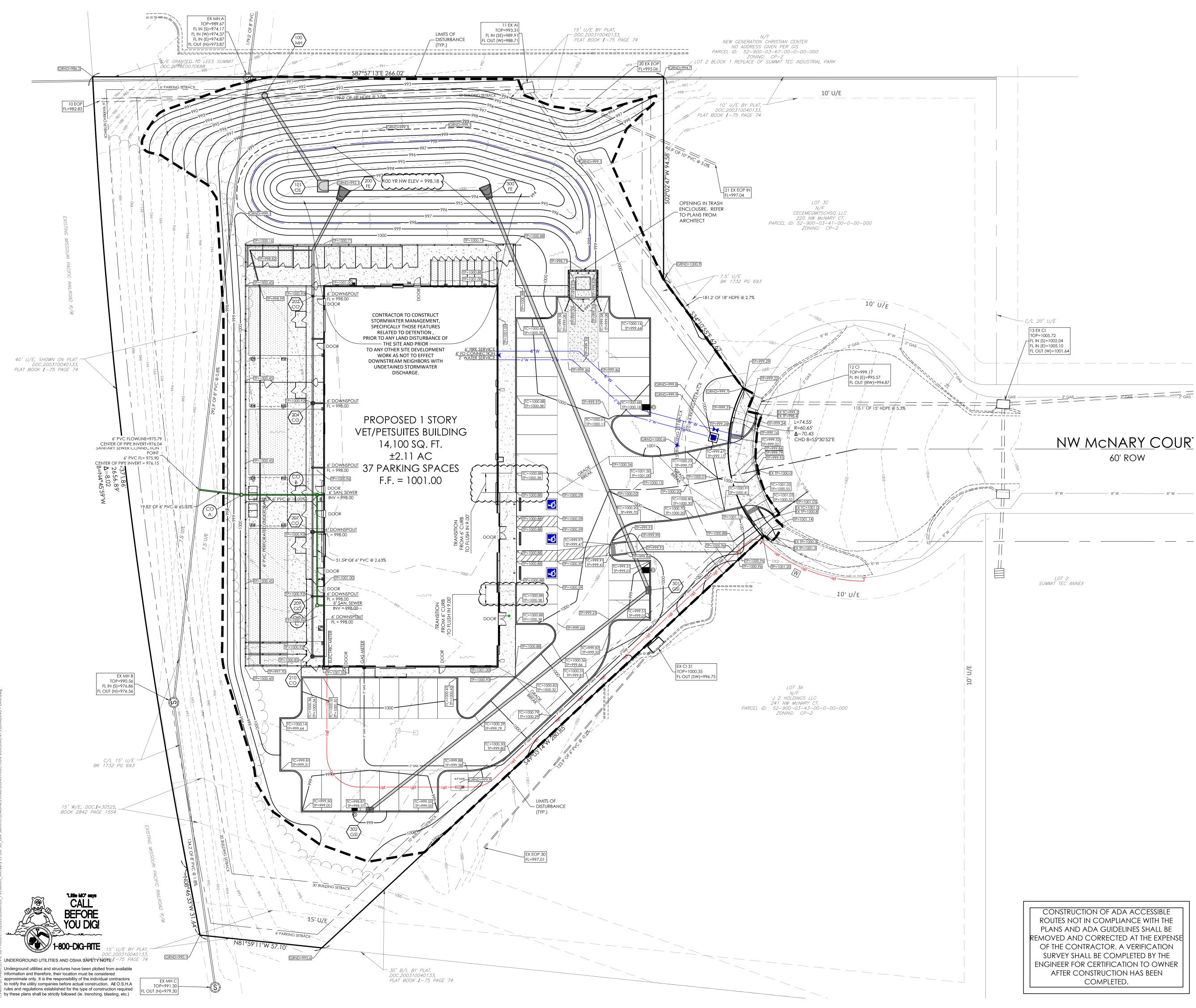
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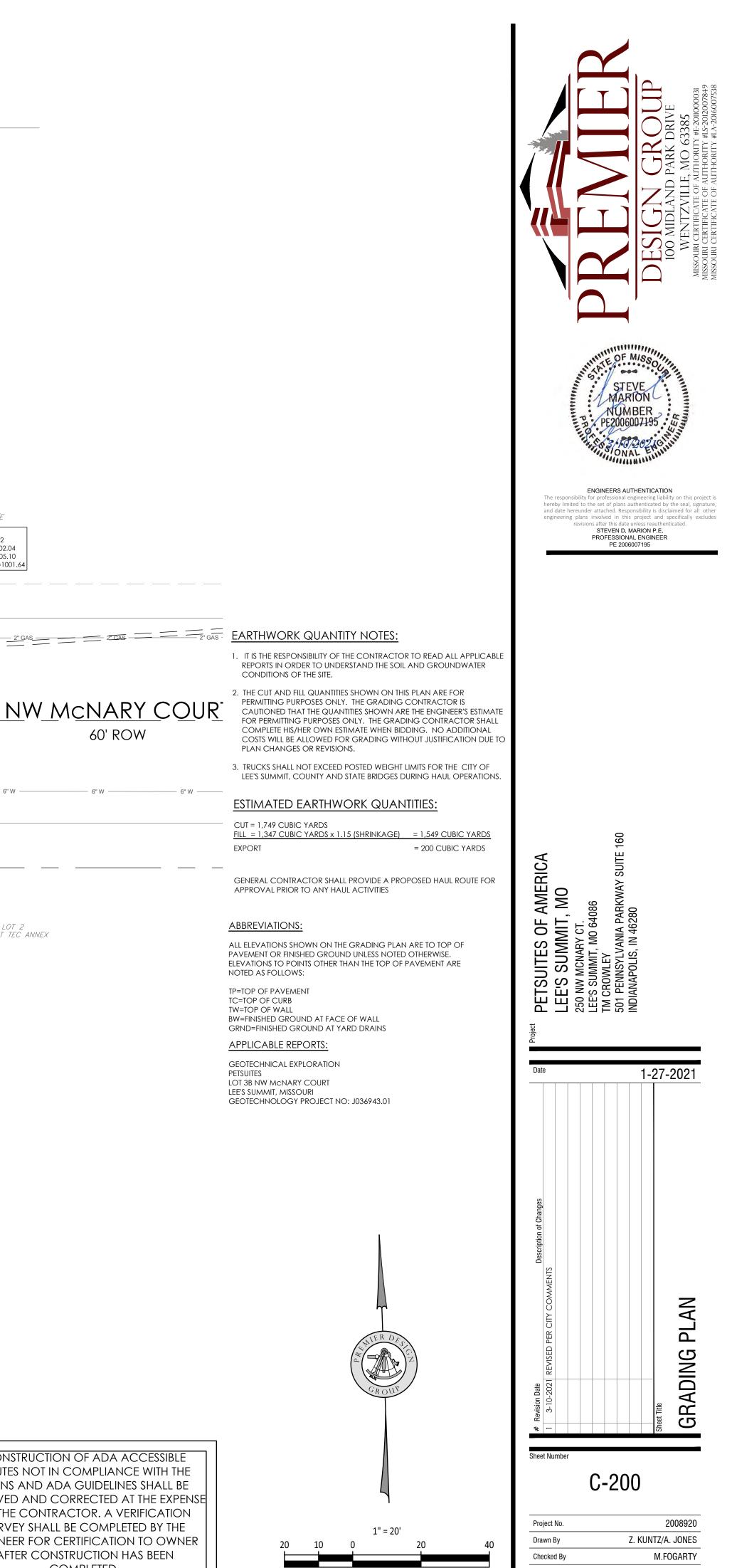


- <u>PARKING AND LOADING REQUIREMENTS</u>
 REQUIRED PARKING: TWO AND A HALF (2.5) SPACES PER 1,000 SQ. FT. OF BUILDING AREA
 14,100 / 1,000 = 14.1 x 2.5 = 35.25 OR 36 PARKING SPACE REQUIRED
- PROVIDED PARKING= 37 PARKING SPACES
 PER FEMA FIRM PANEL #29095C0417G, EFFECTIVE ON 01/20/2017 THE PROPERTY IS ZONE X (UNSHADED), AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
- THIS PROPERTY IS LOCATED WITHIN THE LITTLE CEDAR CREEK WATERSHED.
 OIL AND GAS WELL LOCATIONS: BASED ON MIODNR STATE OIL AND GAS
- 13. OIL AND GAS WELL LOCATIONS: BASED ON MIODNR STATE OIL AND GAS COUNCIL, THERE ARE NO ACTIVE WELLS AS OF JUNE 2, 2020. ALL EXISTING OIL AND GAS WELLS FOR THIS SECTION-TOWNSHIP-RANGE HAVE BEEN ABANDONED OR PLUGGED.

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- Polot Testing and the service of th

Project No.	2008920
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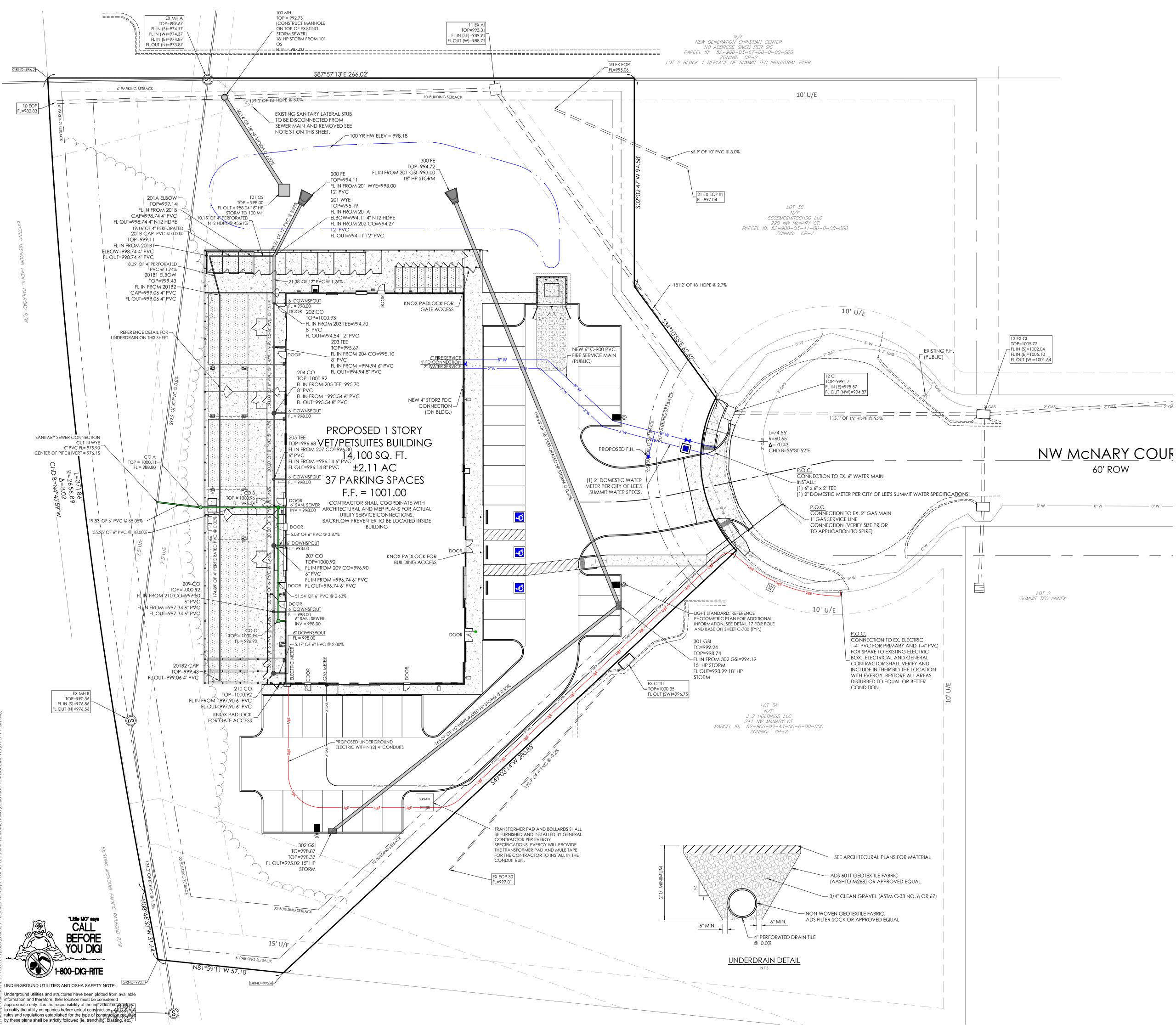


CONSTRUCTION OF ADA ACCESSIBLE ROUTES NOT IN COMPLIANCE WITH THE PLANS AND ADA GUIDELINES SHALL BE REMOVED AND CORRECTED AT THE EXPENS OF THE CONTRACTOR. A VERIFICATION SURVEY SHALL BE COMPLETED BY THE ENGINEER FOR CERTIFICATION TO OWNER AFTER CONSTRUCTION HAS BEEN COMPLETED.

60' ROW



SCALE IN FEET



UTILITY PLAN NOTES

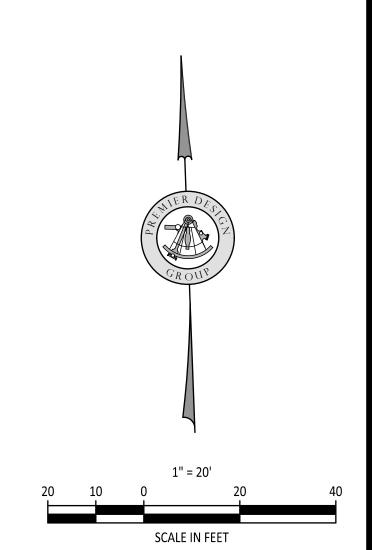
- 1. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- 2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- 3. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-6' COVER ON ALL WATERLINES AND 3'-6' ON ALL SANITARY SEWER LINES.
- 4. CONTRACTOR SHALL COORDINATE WITH BUILDING ARCHITECT AND TELEPHONE COMPANY FOR EXACT LOCATIONS OF TELEPHONE ENTRY TO THE BUILDING. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONDUITS, PULL WIRES, TRENCHING, BACKFILL, ETC. REQUIRED BY TELEPHONE COMPANY.
- 5. CONNECTION FROM THE METER TO SITE UTILITY LINES SHALL BE MADE BY BUILDING CONTRACTOR.
- 6. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- 7. REFER TO INTERIOR MECHANICAL, ELECTRIC AND PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- 8. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS O 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 COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- 9. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
- 10. CONTRACTOR SHALL COORDINATE WITH BUILDING ARCHITECT AND SPIRE FOR EXACT LOCATION OF GAS ENTRY. G.C. TO INCLUDE IN BID FOR CONTRACTOR ANY GAS PIPING, CONDUITS, TRENCHING, BACKFILLING, ETC. REQUIRED BY SPIRE .
- 11. CONTRACTOR SHALL COORDINATE WITH BUILDING ARCHITECT AND EVERGY FOR EXACT LOCATION OF ELECTRIC ENTRY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONDUITS, TRENCHING, BACKFILLING, CABLES, ETC. REQUIRED BY ELECTRIC COMPANY
- 12. REFER TO MEP PLANS FOR GAS SERVICE SIZING.
- 13. ALL UTILITY SEWER TRENCH BACKFILL SHALL HAVE GRANULAR BACKFILL AND BE MECHANICALLY COMPACTED.
- 14. THE CONTRACTOR SHALL VERIFY THE LOCATION, CONDITION AND ELEVATION OF ALL PROPOSED SEWER CONNECTION POINTS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT WOULD INTERFERE WITH THE PROPOSED SEWER DESIGN SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 15. ALL PERMIT FEES AND COSTS ASSOCIATED WITH BRINGING UTILITY, SEWER AND WATER SERVICES TO THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FEES AND COSTS SHALL BE INCLUDED IN THE CONTRACTORS BID.
- 16. ALL CONSTRUCTION MATERIALS USED SHALL CONFORM TO THE CURRENT VERSION OF THE CITY OF LEE'S SUMMIT AND STATE OF MISSOURI SPECIFICATIONS. 17. G.C. IS TO PROVIDE TRENCH PULL WIRE AND CONDUIT FOR TELEPHONE AND
- ELECTRICAL SERVICES, BACKFILL AND GRADE SMOOTH FOR A COMPLETE TELEPHONE AND ELECTRIC INSTALLATION SHALL BE BY THE GENERAL CONTRACTOR. 18. GENERAL CONTRACTOR IS TO PROVIDE TRENCH, BACKFILL AND GRADE SMOOTH FOR
- A COMPLETE WATER LINE INSTALLATION. 19. ANY DISTURBED SIDEWALK OR CONCRETE PAVEMENT SHALL BE FULL SLAB
- REPLACEMENT. 20. EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.

60' ROW

- 21. ALL WATER LINES GREATER THAN 3" SHALL BE C-900 PVC PIPE. WATER LINES SMALLER THAN 3" SHALL BE TYPE "K" COPPER.
- 22. ALL CONNECTIONS TO PUBLIC WATER SHALL BE AS REQUIRED BY CITY OF LEE'S SUMMIT WATER CODES. WATER TAP AND METERS UNDER 2" SHALL BE INSTALLED BY CITY OF LEE'S SUMMIT WATER UP TO THE RIGHT-OF-WAY LINES. WATER TAP AND METERS OVER 2" SHALL BE INSTALLED BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING CITY OF LEE'S SUMMIT TO SCHEDULE CONNECTION TO PUBLIC WATER.
- 23. SANITARY LINES SHALL BE PVC MEETING ASTM D-3034 SDR 26 EXCEPT FOR PIPES THAT CROSS ABOVE WATER MAINS, THIS PIPE SHALL BE AWA C900 UNLESS WATER MAIN IS CASED. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING CITY OF LEE'S SUMMIT
- 24. CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNERS FOR ANY DISRUPTIONS TO EXISTING UTILITY SERVICES.
- 25. CONTRACTOR IS RESPONSIBLE FOR PAVEMENT REPAIR AND REPLACEMENT REQUIRED FOR ALL UTILITY CONNECTIONS AND INSTALLATIONS. 26. THE OWNER/DEVELOPER WILL BE RESPONSIBLE FOR ANY AND ALL
- APPLICABLE TAP AND SERVICE FEES AS LISTED IN THE MOST CURRENT EDITION OF CITY OF LEE'S SUMMIT RULES AND REGULATIONS FOR CUSTOMER SERVICE.
- 27. COORDINATION WITH THE ELECTRIC, TELEPHONE AND CATV COMPANIES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND SHALL BE CONDUCTED IN A MANNER THAT RESULTS IN AN EFFICIENT AND TIMELY RELOCATION AND REMOVAL OF THE EXISTING FACILITIES.

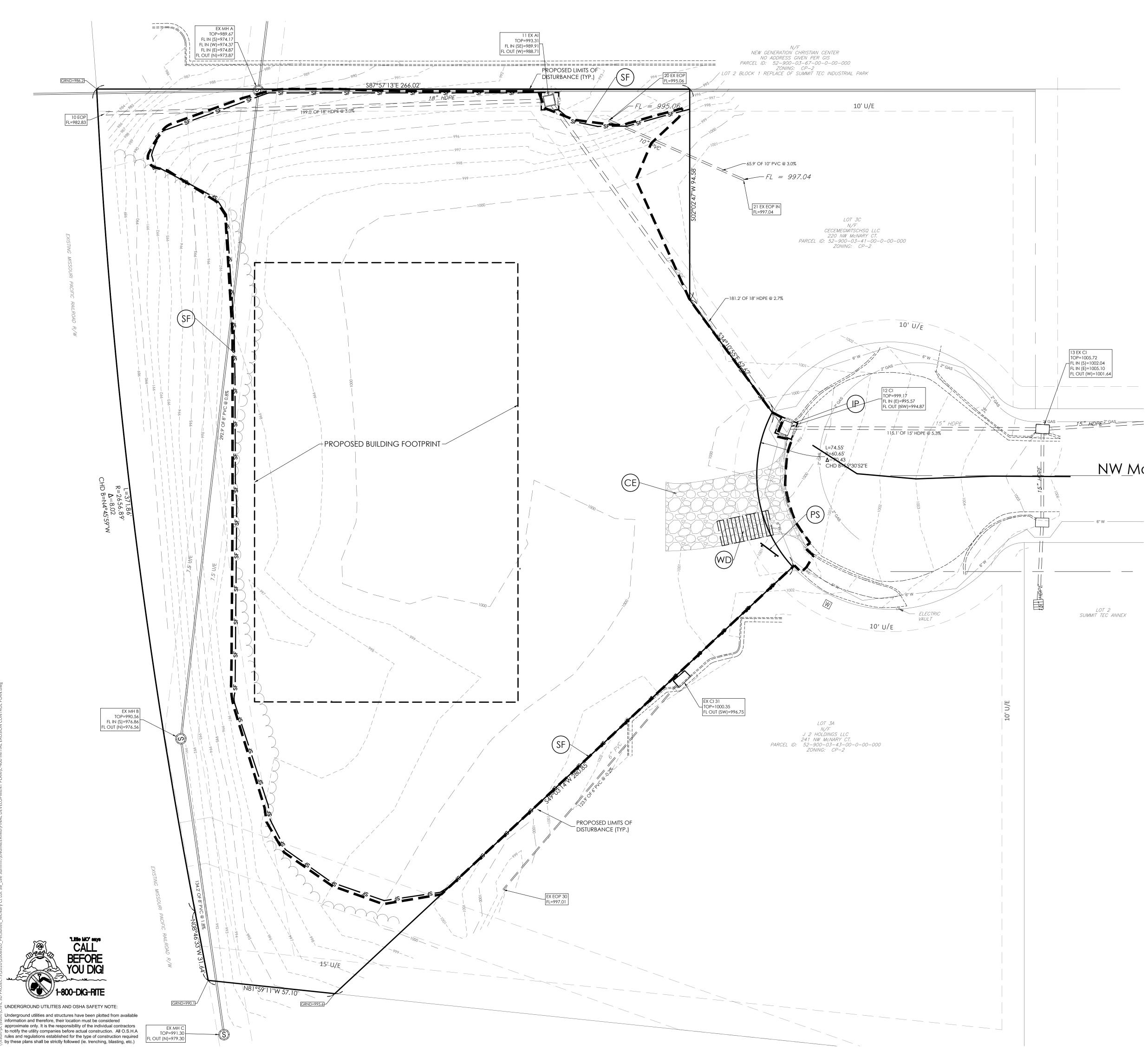
"PRIVATE".

- 28. GROUND ELEVATIONS SHALL BE WITHIN 6" OF THE FINAL PROPOSED ELEVATIONS PRIOR THE START OF ELECTRIC, TELEPHONE AND CATV RELOCATIONS OR INSTALLATIONS OF NEW SERVICE.
- 29. CONTRACTOR SHALL REFERENCE ELECTRICAL PLANS FOR FURTHER INFORMATION AND FOR CONDUIT ROUTING TO LIGHT STANDARDS AND ANY GROUND MOUNTED SIGNS. 30. ALL UTILITY IMPROVEMENTS (SERVICES, EXTENSIONS, CONNECTIONS, ETC.) TO BE
- 31. BUILDING SEWER STUBS BEING DISCONNECTED FROM THE SEWER MAIN SHALL BE DISCONNECTED BY THE WATER UTILITIES DEPARTMENT, AFTER THE CONTRACTOR HAS PROVIDED ACCESS TO THE SEWER MAIN VIA AN OSHA COMPLIANT EXCAVATION WITH PROPER SHORING AS NECESSARY. WATER UTILITIES STAFF RESERVE THE RIGHT TO NOT ENTER ANY TRENCH DETERMINED TO BE UNSAFE.

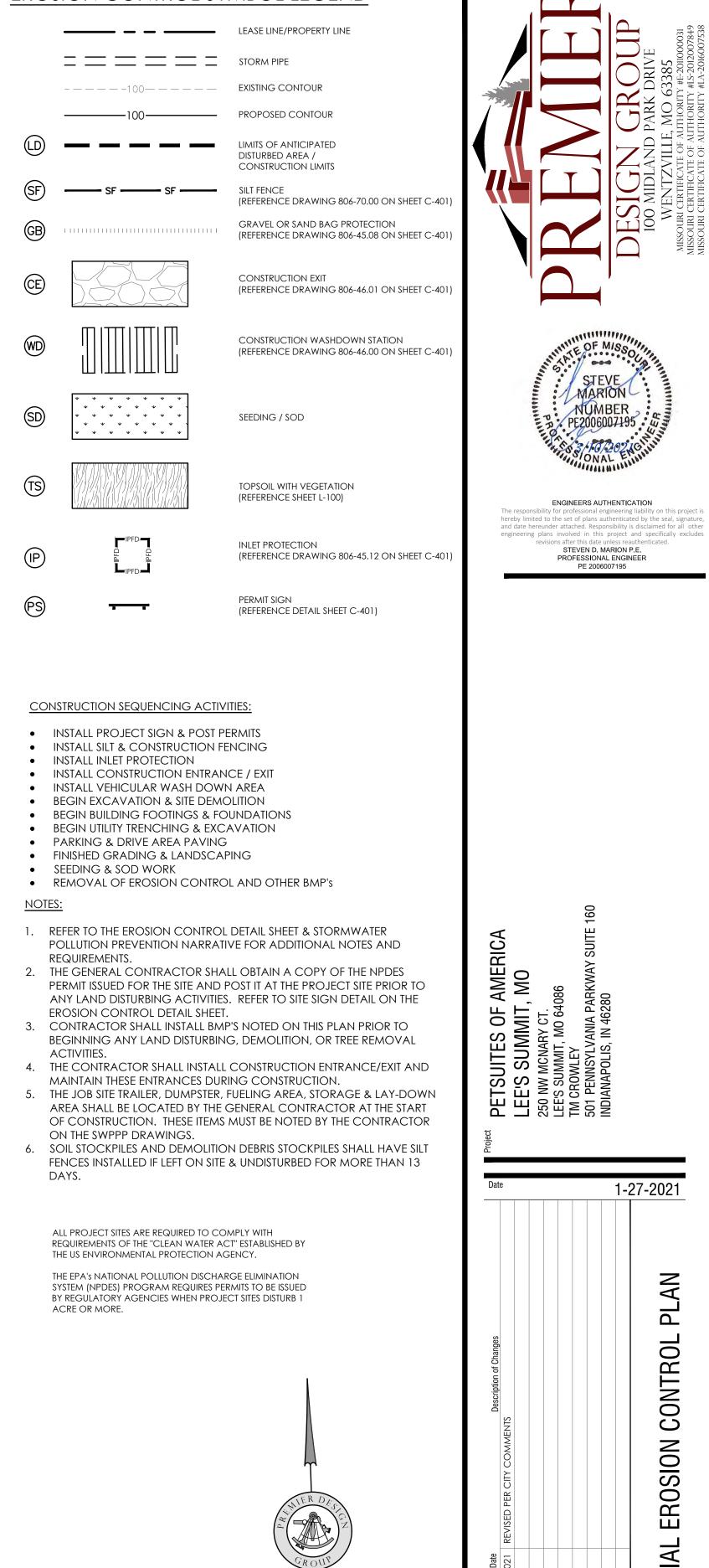




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EROSION CONTROL SYMBOL LEGEND



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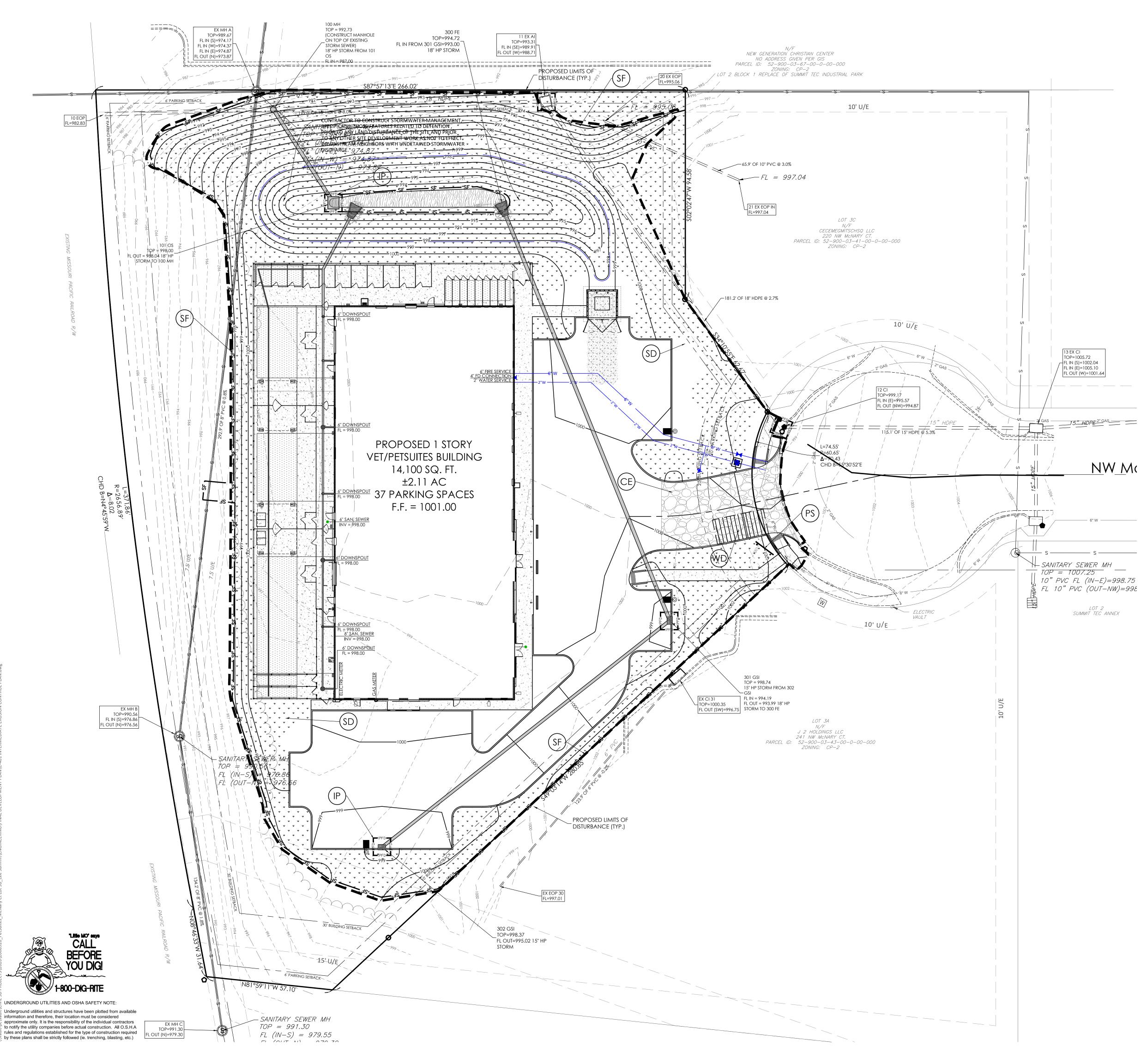
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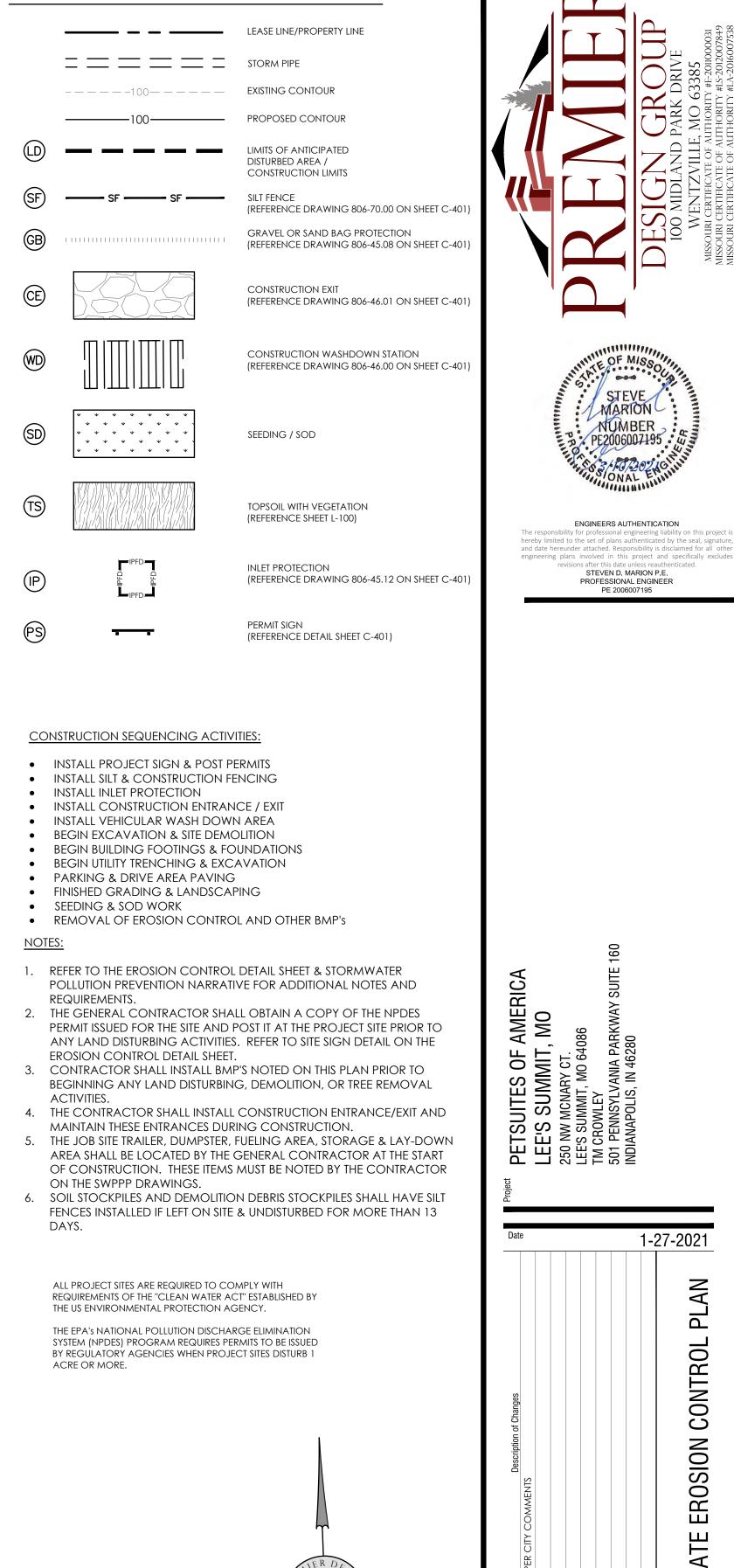
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Drawn By	Z. KUNTZ/A. JONES
Checked By	M.FOGARTY
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EROSION CONTROL SYMBOL LEGEND



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C-401

Sheet Number

Project No.

Drawn By

Checked By

1" = 20'

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MARION NUMBER

STEVEN D. MARION P.E.

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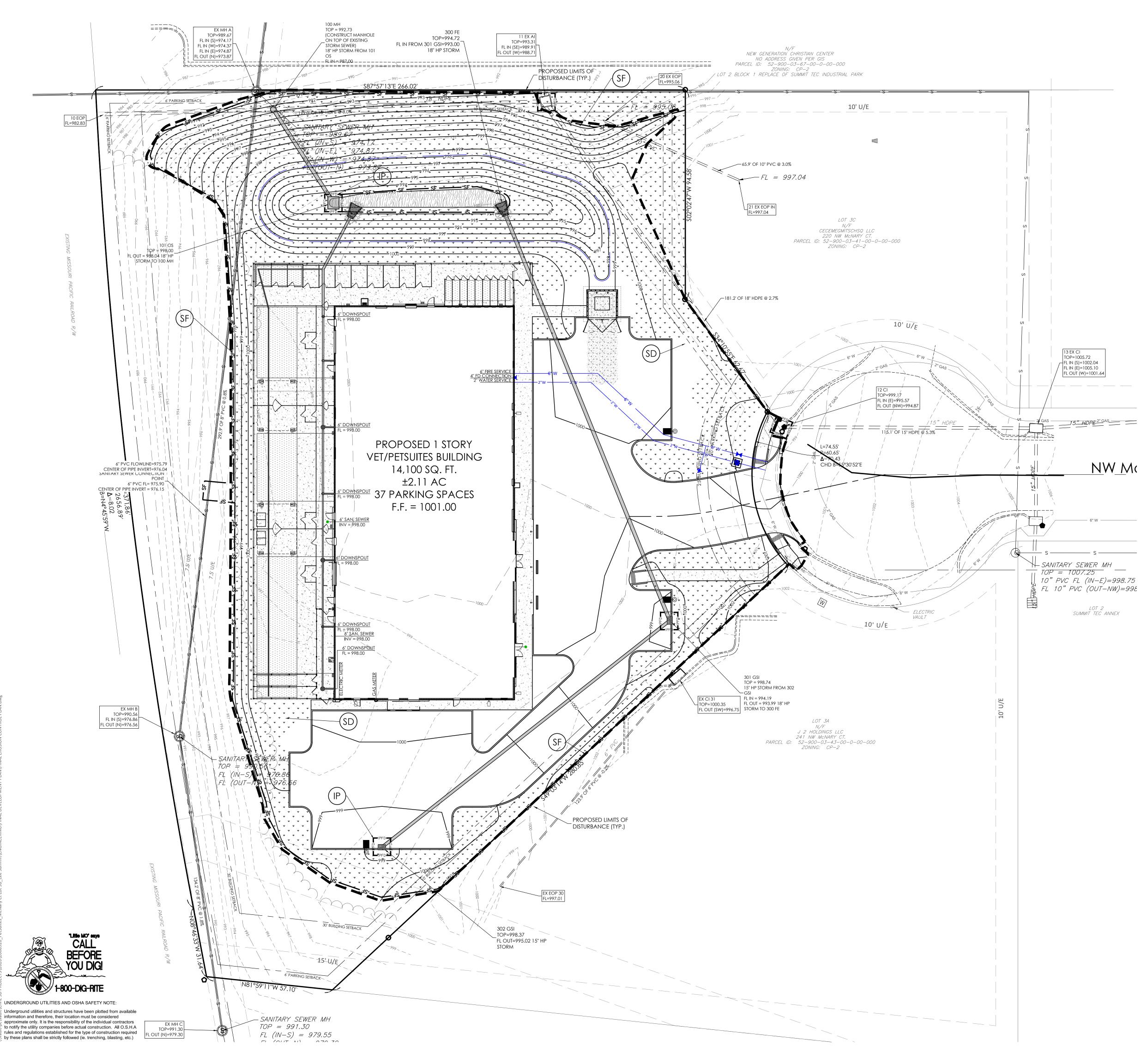
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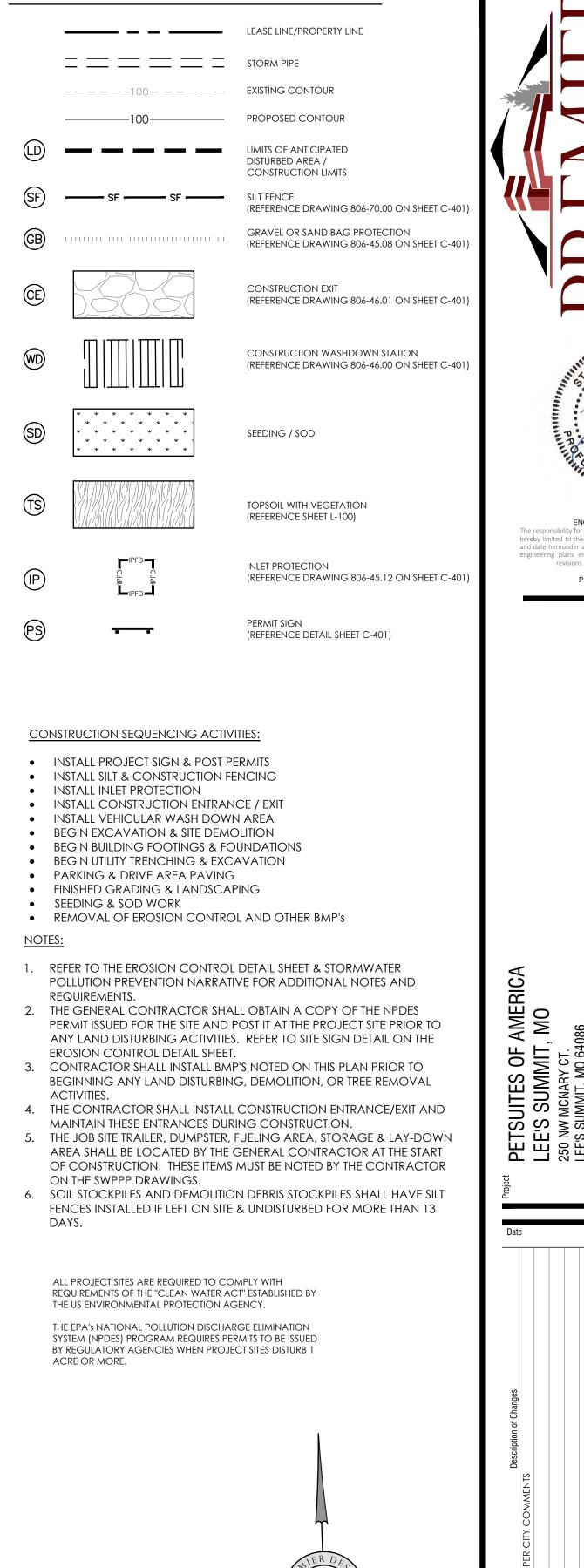
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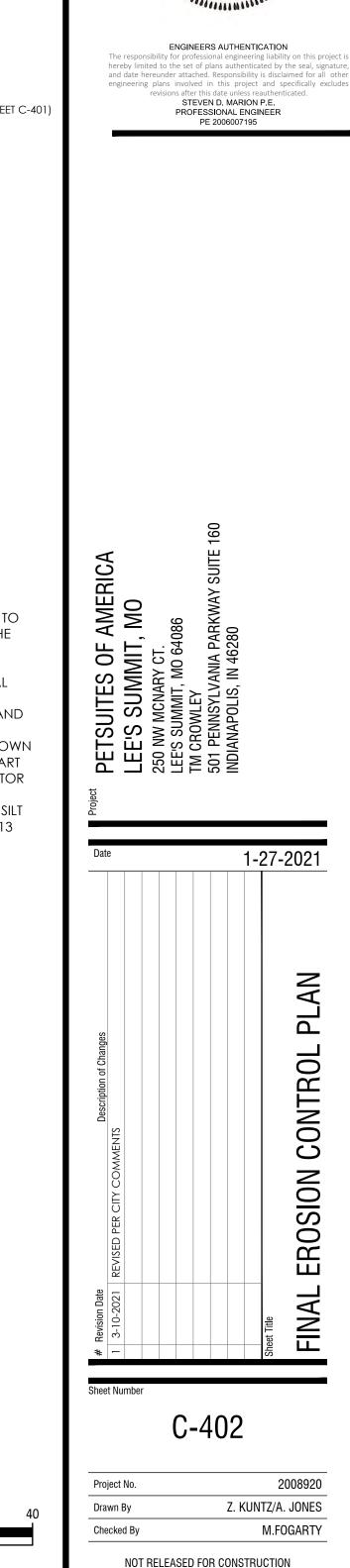
M.FOGARTY

Z. KUNTZ/A. JONES



EROSION CONTROL SYMBOL LEGEND





MARION

SCALE IN FEET

1" = 20'

GENERAL EROSION AND SEDIMENTATION CONTROL NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE LAND DISTURBANCE PERMIT FOR THIS SITE PRIOR TO THE START OF CONSTRUCTION. A LAND DISTURBANCE PERMIT FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES WILL BE REQUIRED. A GRADING PERMIT FROM THE CITY OF CITY OF LEE'S SUMMIT WILL BE REQUIRED
- 2. THE CONTRACTOR SHALL KEEP & MAINTAIN A COPY OF THE LAND DISTURBANCE PERMIT(S), EROSION CONTROL PLANS, AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AT THE PROJECT SITE DURING CONSTRUCTION.
- 3. ALL EROSION CONTROL MEASURES MUST MEET LOCAL REQUIREMENTS AND THE "PROTECTING WATER QUALITY, A FIELD GUIDE TO EROSION, SEDIMENT AND STORM WATER BEST MANAGEMENT PRACTICES FOR DEVELOPMENT SITES IN MISSOURI AND KANSAS". THE DOCUMENT IS AVAILABLE FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES AND CAN BE DOWNLOADED FROM THE DNR WEBSITE AT HTTP://WWW.DNR.MO.GOV/ENV/WPP/WPCP-GUIDE.HTM.
- 4. PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITIES, EROSION AND SEDIMENT CONTROL MEASURES AND APPLICABLE BMPS SHALL BE INSTALLED.
- 5. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER A MINIMUM OF 48 HOURS PRIOR TO THE START OF GRADING SO THAT SITE BMPS CAN BE VERIFIED.
- 6. THE GENERAL CONTRACTOR SHALL HAVE ULTIMATE CONTROL OF THE SITE AND REQUIRE THAT ALL SUBCONTRACTORS, UTILITY COMPANIES, AND ANY PERSON PERFORMING LAND DISTURBING ACTIVITIES CONFORM TO THE REQUIREMENTS OF THE PERMITS ISSUED FOR THE SITE. THIS INCLUDES CONFORMANCE TO THE STORM WATER POLLUTION PLAN PREPARED & MAINTAINED FOR THE SITE.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR MANAGING STORM WATER RUNOFF AND EROSION THROUGHOUT CONSTRUCTION.
- 8. THIS EROSION CONTROL PLAN HAS BEEN PREPARED AS A BEGINNING POINT AND SHOULD EVOLVE AS SITE CONDITIONS WARRANT. THE GENERAL CONTRACTOR SHALL IMPLEMENT ADDITIONAL BMPS AS DEEMED NECESSARY TO ADEQUATELY RETAIN SEDIMENT ON-SITE.
- 9. THE CONTRACTOR SHALL MAINTAIN AND PROTECT EXISTING TREES AND VEGETATION.
- 10. CONSTRUCTION MATERIAL STORAGE AND LAY-DOWN AREAS ARE TO BE AWAY FROM DRAINAGE COURSES AND LOW AREAS. 11. PROVIDE CONTAINERS FOR THE DISPOSAL OF WASTE PAINTS, SOLVENTS, CLEANING COMPOUNDS, ETC.
- 12. PROVIDE TRASH CONTAINERS ONSITE AND PERFORM REGULAR SITE CLEAN UP FOR PROPER DISPOSAL OF SOLID WASTE. SOLID WASTE SHALL INCLUDE, BUT NOT BE LIMITED TO, SCRAP BUILDING MATERIALS, PRODUCT/MATERIAL PACKAGING, FOOD AND DRINK CONTAINERS.
- 13. THE CONTRACTOR SHALL INSTALL CONTAINMENT BERMS & DRIP PANS AT PETROLEUM PRODUCT & LIQUID STORAGE TANK AREAS.
- 14. THE CONTRACTOR SHALL PROVIDE CONCRETE WASH OUT AREAS. CONCRETE TRUCKS SHALL NOT DISCHARGE SURPLUS CONCRETE OR WASH WATER ON THE GROUND OR INTO DITCHES. CONCRETE WASH-OUT AREAS SHALL BE DESIGNED TO ENSURE CONCRETE PARTICLES WILL NOT BE RELEASED FROM THE CONSTRUCTION SITE.
- 15. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES IF CONDITIONS WARRANT. DUST CONTROL MAY INCLUDE WATERING/IRRIGATION, WIND BARRIERS, SPRAY ON ADHESIVES, THUNG, OR CHEMICAL TREATMENT. ANY CLEANUP TO ADJACENT PROPERTIES DUE TO INADEQUATE DUST CONTROL WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- 16. THE CONTRACTOR SHALL PROVIDE FOR SOLID WASTE/TRASH COLLECTION. THE CONSTRUCTION SITE SHALL BE KEPT CLEAN AND ORDERLY.
- 17. THE CONTRACTOR SHALL PROVIDE FOR SANITARY WASTE COLLECTION DURING CONSTRUCTION. PORTA POTTIES SHALL BE LOCATED BY THE CONTRACTOR AND NOTED ON THE DRAWINGS. CONSTRUCTION SWPPP LOG
- 1. THE CONTRACTOR SHALL DEVELOP A CONSTRUCTION SWPPP LOG AT THE START OF CONSTRUCTION. THE CONSTRUCTION SWPPP LOG SHALL INCLUDE INSTALLATION DATES OF BMP'S, MAINTENANCE RECORDS, RAINFALL RECORDS, AND ANY ITEM THAT ADDRESSES THE MANAGEMENT OF STORM WATER POLLUTION PREVENTION MEASURES AT THE PROJECT SITE.
- 2. REFER TO THE SWPPP DOCUMENT/NARRATIVE FOR FORMS AND OTHER DETAILED INFORMATION REGARDING STORM WATER POLLUTION PREVENTION PRACTICES.
- 3. THE SWPPP LOG SHALL BE KEPT ON THE JOB SITE AND SHALL BE MADE AVAILABLE FOR REVIEW AT THE REQUEST OF APPLICABLE GOVERNING AUTHORITIES.
- 4. BMP'S SHALL BE INSPECTED ONCE A WEEK AND WITHIN 24 HRS OF RAIN EVENTS OF 1/2" OR GREATER. INSPECTIONS ARE TO BE DOCUMENTED IN THE SWPPP LOG. REPAIR AND MAINTENANCE TO BMP'S SHALL BE DONE IMMEDIATEL
- 5. THE CONTRACTOR SHALL SUBMIT AN INSPECTION REPORT WITHIN 72 HOURS AFTER EVERY STORM EVENT TO THE CITY ENGINEER.
- 6. THE CONTRACTOR SHALL ENSURE THE SITE CONFORMS TO THE REQUIREMENTS OF THE LAND DISTURBANCE PERMIT AND INSTALL ADDITIONAL BMP'S SHOULD SITE CONDITIONS WARRANT.
- 7. AFTER CONSTRUCTION, THE CONSTRUCTION SWPPP LOG SHALL BE RETAINED BY THE CONTRACTOR FOR A MINIMUM OF 3 YEARS.

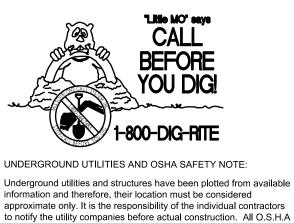
FINAL SITE STABILIZATION

- 1. ONCE GRADED AREAS ARE CONSTRUCTED TO FINAL GRADES, PERMANENT STABILIZATION SHALL BE ESTABLISHED.
- 2. THE CONTRACTOR SHALL RESTORE OFF-SITE AREAS DAMAGED BY CONSTRUCTION TO A CONDITION, EQUAL TO, OR BETTER THAN THE CONDITION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 3. ALL EROSION CONTROL BMP'S SHALL REMAIN IN PLACE UNTIL THE SITE HAS BEEN PERMANENTLY STABILIZED.
- 4. ONCE THE SITE HAS REACH FINAL STABILIZATION, THE CONTRACTOR IS TO CLEAN AND REMOVE DEBRIS FROM BMP'S AND STORM WATER COLLECTION AREAS. BMP'S ARE THEN TO BE REMOVED. POTENTIAL POLLUTANTS THAT MAY BE FOUND ON SITE DURING CONSTRUCTION:

Material Trade Name	Chemical/Physical Description	Storm Water Pollutants
Erosion	Solid Particles	Soil, sediment
Fertilizer	Liquid or solid grains	Nitrogen, phosphorus
Pesticides (insecticides, fungicides, herbicides, rodenticides)	Various colored to colorless liquid, powder, pellets, or grains	Chlorinated hydrocarbons, organophosphates, carbonates, arsenic
Asphalt	Black solid	Oil, petroleum distillates
Concrete	White solid	Limestone, sand
Plaster	White granules or powder	Calcium Sulphate, calcium carbonate, sulfuric acid
Glue, adhesives	White or yellow liquid	Polymers, epoxies
Paints	Various colored liquid	Metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic
Curing compounds	Creamy white liquid	Naphtha
Wood preservatives	Clear amber or dark brown liquid	Stoddard solvent, petroleum distillates, arsenic, copper, chromium.
Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil
Gasoline	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE
Diesel Fuel	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes
Antifreeze/coolant	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)

MATERIALS STORED ON SITE:

- 1. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS. IF POSSIBLE, MATERIALS SHALL BE STORED UNDER A ROOF OR OTHER ENCLOSURE.
- 2. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE MANUFACTURER'S LABEL. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF THE PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER. THE MANUFACTURER'S RECOMMENDATIONS FOR THE PROPER USE AND DISPOSAL OF THEIR PRODUCTS SHALL BE FOLLOWED. THE CONSTRUCTION MANGER SHALL INSPECT THE ON-SITE MATERIALS DAILY TO ENSURE THE PROPER USE AND DISPOSAL.
- 3. HAZARDOUS PRODUCTS SHALL BE KEPT IN RESEALABLE CONTAINERS. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED. ALL FEDERAL, STATE AND CITY REGULATIONS SHALL BE FOLLOWED WHEN DISPOSING OF ANY HAZARDOUS WASTE.



rules and regulations established for the type of construction required

by these plans shall be strictly followed (ie. trenching, blasting, etc.)

MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS:

- 1. SILT FENCING SHALL BE INSPECTED DAILY DURING PERIODS OF RAINFALL, IMMEDIATELY AFTER EACH SIGNIFICANT RAINFALL EVENT, AND WEEKLY DURING PERIODS OF NO RAINFALL, REPAIRS TO SILT FENCES SHALL BE DONE IMMEDIATELY, SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN THE SEDIMENT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- 2. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSPECTED REGULARLY, AFTER EVERY RAINFALL EVENT, AND DURING HIGH VOLUMES OF TRAFFIC. REPAIRS TO THE CONSTRUCTION ENTRANCE SHALL BE MADE IMMEDIATELY. ALL SEDIMENTS, AND ALL OTHER MATERIALS, TRACKED ONTO PUBLIC ROADWAYS SHALL BE REMOVED IMMEDIATELY.
- 3. SELECT STOCKPILE LOCATION TO AVOID SLOPES AND NATURAL DRAINAGE WAYS, AVOIDING TRAFFIC ROUTES. ON LARGE SITES, RE-SPREADING IS EASIER AND MORE ECONOMICAL WHERE TOPSOIL IS STOCKPILED IN SMALL PILES LOCATED NEAR AREAS WHERE THEY WILL BE USED.
- 4. INSPECT AND MAINTAIN ALL BMPS LOCATED DOWN HILL OF AREA BEING GRADED, AS INDICATED. ADDITIONAL BMPS SHOULD BE CONSTRUCTED IF IT IS OBSERVED THAT THE PROPOSED BMPS ARE NOT EFFECTIVELY LIMITING SEDIMENT TRANSPORT FROM THE SITE. TYPICAL BMPS THAT MIGHT BE UTILIZED INCLUDE, BUT ARE NOT LIMITED TO:
- SEDIMENT BARRIERS USE SILT FENCES, STRAW BALE SEDIMENT TRAPS OR OTHER BARRIERS WHERE NECESSARY TO RETAIN SEDIMENT • TEMPORARY SEEDING - PROTECT TOPSOIL STOCKPILES BY TEMPORARILY SEEDING AS SOON AS POSSIBLE, NO MORE THAN 14 CALENDAR DAYS AFTER THE FORMATION OF
- THE STOCKPILE PERMANENT VEGETATION - IF STOCKPILES WILL NOT BE USED WITHIN 12 MONTHS, THEY MUST BE STABILIZED WITH PERMANENT VEGETATION TO CONTROL EROSION AND WEED GROWTH

SPILL CONTROL OF POLLUTANTS:

- 1. ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND SHALL RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.
- 2. CONCRETE TRUCKS SHALL ONLY WASH-OUT OR DISCHARGE SURPLUS CONCRETE, OR DRUM-WASH WATER, AT DEDICATED CONCRETE TRUCK WASH-OUT AREAS. NO EXCESS CONCRETE OR DRUM WASH WATER SHALL BE RELEASED FROM THE SITE.
- 3. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.
- 4. ALL ASPHALTIC SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.
- 5. FERTILIZERS SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC CONTAINER TO AVOID SPILLS.
- 6. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE RELAYED TO SITE PERSONNEL AND THEY SHALL BE MADE AWARE OF THE LOCATION OF THE CLEANUP SUPPLIES. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE STORED ON-SITE IN CASE OF A SPILL. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND CLEANUP PERSONNEL SHALL WEAR THE APPROPRIATE CLOTHING TO PREVENT INJURY FROM CONTACT WITH THE HAZARDOUS SUBSTANCE. SPILLS OF TOXIC AND HAZARDOUS MATERIAL, REGARDLESS OF THE SIZE OF THE SPILL, SHALL BE REPORTED TO THE APPROPRIATE STATE AND LOCAL GOVERNMENT AGENCIES IMMEDIATELY AFTER DISCOVERY.

CONSTRUCTION ENTRANCE (CE)

- 1 THE LOCATION OF A CONSTRUCTION ENTRANCE/EXIT HAS BEEN SHOWN ON THE EROSION CONTROL PLAN(S). THE CONTRACTOR SHALL INSTALL OR ESTABLISH A DESIGNATED CONSTRUCTION ENTRANCE/EXIT AT THE START OF CONSTRUCTION. IN THE EVENT THE ENTRANCE IS LOCATED IN A DIFFERENT LOCATION, THE CONTRACTOR SHALL UPDATE THE EROSION CONTROL PLAN.
- 2. A PERMIT SIGN SHALL BE INSTALLED AT OR NEAR THE CONSTRUCTION ENTRANCE FOR POSTING RELEVANT CONSTRUCTION PERMITS FOR THE PROJECT.
- 3. AS PART OF THE CONSTRUCTION ENTRANCE, THE CONTRACTOR SHALL INSTALL A VEHICLE WASH DOWN AREA. THE WASH DOWN AREA IS TO PREVENT THE TRACKING OF MUD AND DEBRIS FROM THE PROJECT SITE.
- 4. TRACKING IS NOT PERMISSIBLE. ANY TRACKING OF MUD AND/OR DEBRIS ONTO OFF-SITE ROADS SHALL BE CLEANED IMMEDIATELY.
- 5. LOCATION AND FINAL DIMENSIONS OF THE CONSTRUCTION ENTRANCE, WASH DOWN AREA AND STAGING AREAS SHALL BE ESTABLISHED BY THE GENERAL CONTRACTOR.
- 6. ALL CONSTRUCTION TRAFFIC LEAVING THE PROJECT SITE SHALL UTILIZE THE CONSTRUCTION ENTRANCE/EXIT

SILT FENCE (SF)

- 7. SILT FENCE TO BE ADJUSTED AS NECESSARY FOR CONSTRUCTION ACTIVITY.
- 8. UNLESS NOTED OTHERWISE, SILT FENCE SHALL BE A WOVEN GEOTEXTILE FABRIC SUCH AS MIRAFI 100X OR EQUAL.
- 9. REFER TO THE SILT FENCE DETAIL FOR INSTALLATION REQUIREMENTS.
- 10. SILT FENCES SHALL ONLY BE USED FOR STORM WATER SHEET FLOW CONDITIONS.
- 11. SILT FENCES SHALL FOLLOW CONTOURS AND UTILIZE "J" HOOKS TO HELP TRAP SEDIMENT.
- 12. SILT FENCES SHALL BE INSPECTED REGULARLY FOR RIPS, TEARS, OR DETERIORATION. DAMAGED FENCE SHALL BE REPLACED.
- 13. WHEN SEDIMENT BUILDS UP TO ONE HALF THE HEIGHT OF THE FENCE, IT SHALL BE CLEANED AND REINSTALLED.

INLET PROTECTION (IP)

 \checkmark \checkmark

- 1. REFER TO THE INLET PROTECTION DETAILS FOR VARIOUS TYPES OF INLET PROTECTION. THE CONTRACTOR SHALL HAVE THE OPTION OF UTILIZING ANY TYPES SHOWN OR ACCEPTABLE ALTERNATE.
- 2. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY AROUND EACH INLET ONCE INLET CONSTRUCTION IS COMPLETED. INLET PROTECTION SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE SITE HAS BEEN CONSIDERED STABLE.
- SOD OR SEEDING, MULCHING AND FERTILIZING (SD) (SM)
- 1. ALL DISTURBED AREAS WHICH REMAIN UNWORKED FOR 14 DAYS, SHALL BE TEMPORARILY STABILIZED. 2. ALL TEMPORARY DIVERSION BERMS, DIVERSION DITCHES AND SOIL STOCKPILE AREAS SHALL BE
- SEEDED AND MULCHED IMMEDIATELY AFTER GRADING.
- 3. ALL AREAS DISTURBED DURING CONSTRUCTION, WHICH WILL NOT BE PAVED, SHALL HAVE A MINIMUM OF 4" OF TOPSOIL INSTALLED.
- 4. GRASSED AREAS SHALL BE EITHER SODDED OR SEEDED AND MULCHED. REFER TO THE SITE AND LANDSCAPING PLANS FOR LOCATIONS OF EACH.
- 5. ALL RIGHT-OF-WAYS SHALL HAVE SOD INSTALLED. SOD SHALL MEET THE REQUIREMENTS OF THE LOCAL JURISDICTION AND/OR THE DEPARTMENT OF TRANSPORTATION.
- 6. SOD SHALL BE DROUGHT RESISTANT FESCUE.
- 7. TEMPORARY IRRIGATION MAY BE REQUIRED TO HELP ESTABLISH SODDED/SEEDED AREAS.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SODDED AND SEEDED AREAS UNTIL A HEALTHY
- STAND OF GRASS IS ESTABLISHED. 9. FINAL STABILIZATION MUST MEET THE LAND DISTURBANCE PERMIT REQUIREMENTS.
- NOTES: 4' (MINIMUM) 1. THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH PERMIT SIGN ~ RAIN GAUGE TO CAUSE A SAFETY HAZARD. NARRAT CONTACT SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PERMIT HAS BEEN TERMINATED. PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.). DETAILED DESCRIPTION OF THE LOCATIO UOCUMENTATION (BINDER AND FOR THE SITE. GOVERNING AGENCY. 4. SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC
 - BY THE GOVERNING AGENCY.

PERMIT SIGN DETAIL

(NOT TO SCALE)

SEEDING REQUIREMENTS

Permanent Seeding					Da	ates for	Seedi	ng				
	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Tall Fescue			0	0	0			0	0			
Smooth Brome			0	0	0			0	0			
Fescue & Brome			0	0	0	0		0	0			
Fescue, Rye & Bluegrass	A	A	0	0	0	Р	Р	0	0	Р	Р	A
Rye or Sudan	Jan	А	Iviarcn	Aprii O	<i>iviay</i> O	June	July	Aug	Sep O	Oct	A	Dec
Temporary Seeding	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	De
Oats		A	0	0	0	0	0	0	0		56 . 13	

Permanent Seeding*	Pounds per acre	Pounds Per 1000 sq. ft.
Tall Fescue	300	7.0
Smooth Brome	200	4.6
Mixture # 1	250	5.7
Mixture # 2	210	4.8
t - Cooding r	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
	ate for slopes in excess of 20% (5:1), shall be 1	
Temporary Seeding	Pounds per acre	0 pounds per 1000 sq. ft. Pounds Per 1000 sq. ft. 3.5
	Pounds per acre	Pounds Per 1000 sq. ft.
Temporary Seeding Rye or Sudan	Pounds per acre	Pounds Per 1000 sq. ft. 3.5
Temporary Seeding Rye or Sudan Oats	Pounds per acre 150 200 Permanent Seeding	Pounds Per 1000 sq. ft. 3.5 2.5 Temporary Seeding
Temporary Seeding Rye or Sudan Oats Fertilizer	Pounds per acre 150 200 Permanent Seeding (pounds per acre)	Pounds Per 1000 sq. ft. 3.5 2.5 Temporary Seeding (pounds per acre)
Temporary Seeding Rye or Sudan Oats Fertilizer Nitrogen	Pounds per acre 150 200 Permanent Seeding (pounds per acre) 45	Pounds Per 1000 sq. ft. 3.5 2.5 Temporary Seeding (pounds per acre) 30

THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS

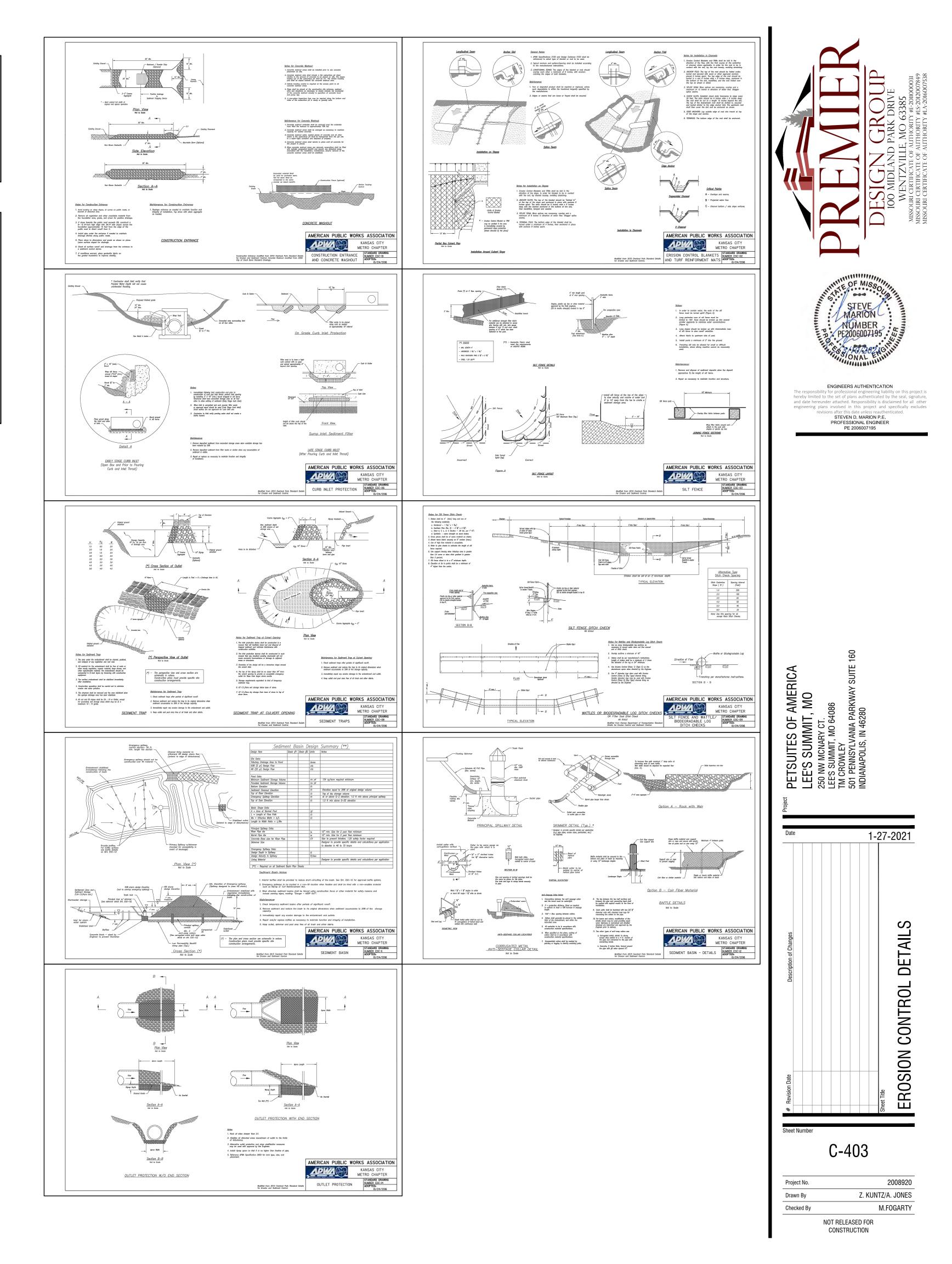
ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE

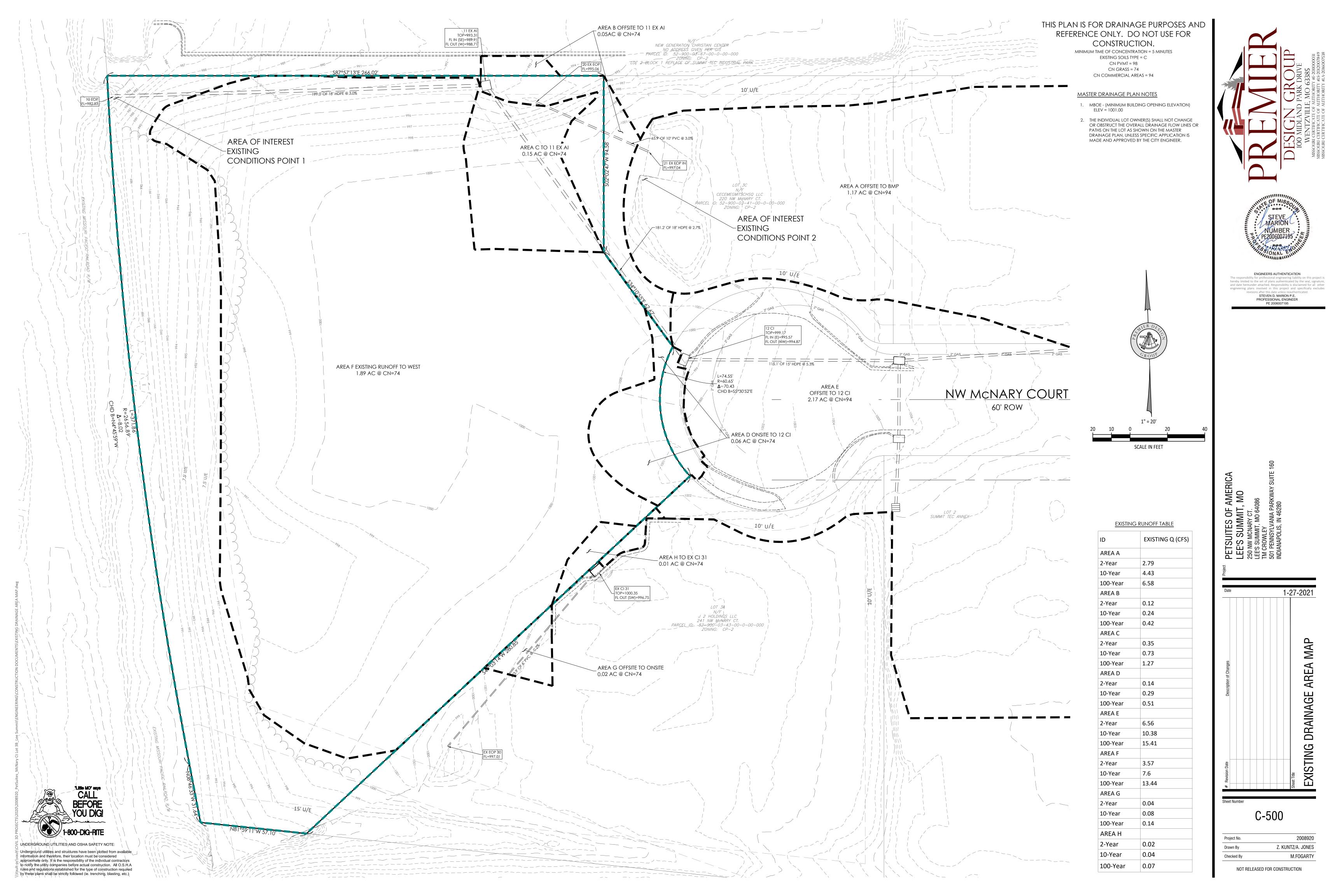
CONTRACTOR SHALL POST OTHER STORMWATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE

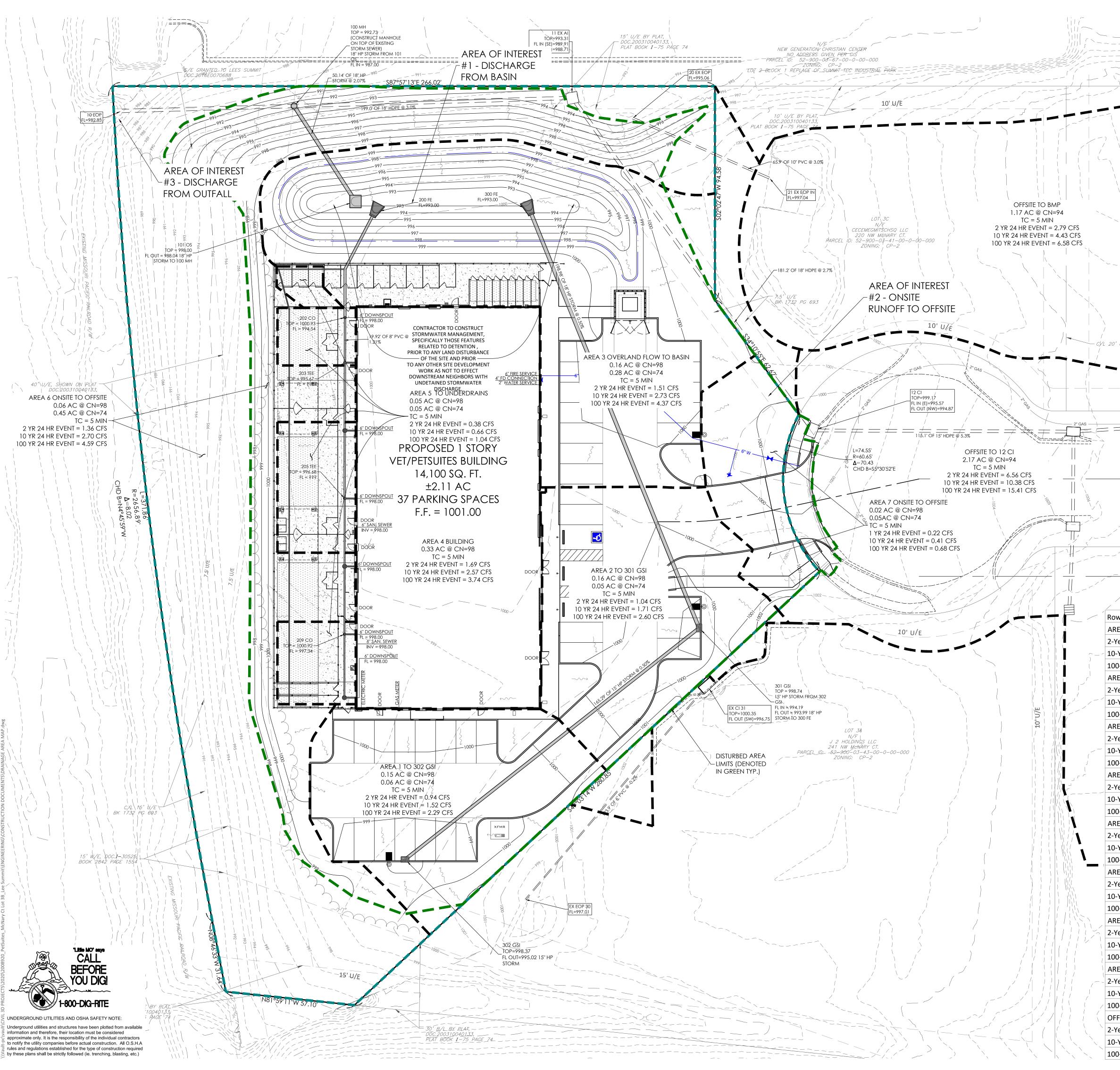
RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED

5. CONTRACTOR IS RESPONSIBLE FOR ENSURING

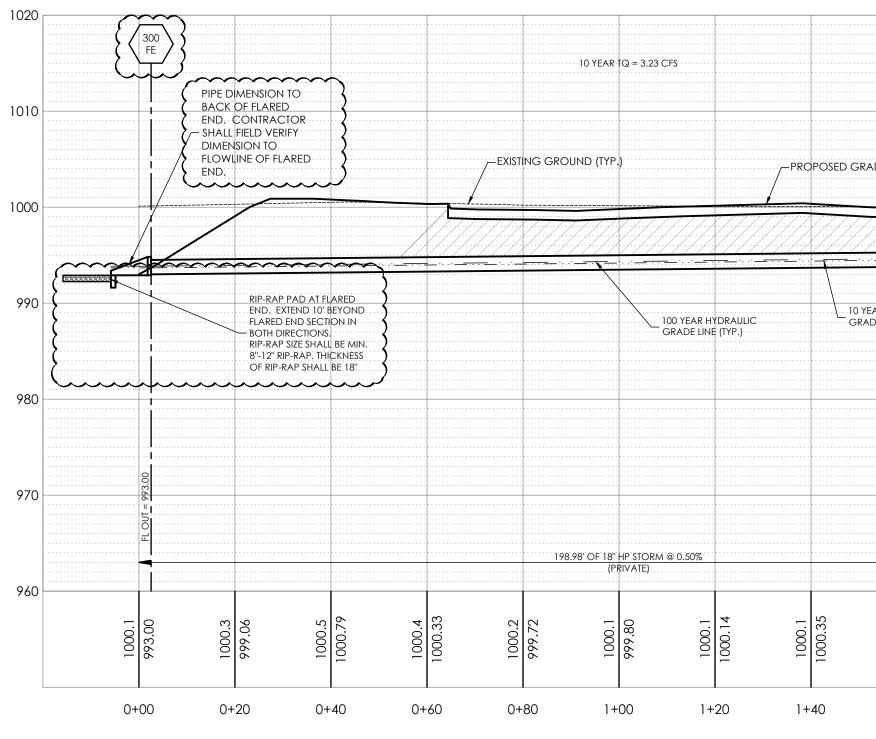
STABILITY OF THE SWPPP INFORMATION SIGN.





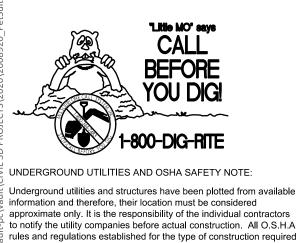


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ow Labels REA 1 -Year 0-Year 00-Year REA 2 -Year 0-Year 0-Year 00-Year REA 3 -Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	60' ROW 60' ROW 9eak Runoff (cfs) 0.94 1.52 2.29 1.04 1.71 2.6 1.51	Impervious Area 0.15 0.15 0.15 0.16 0.16 0.16 0.16	Pervious Area 0.06 0.06 0.06 0.06 0.08 0.08 0.08 0.08	0 SCALE IN SCALE IN 7 0.21 0.21 0.21 0.21 0.21 0.21 0.24 0.24 0.24 0.24 0.24 0.24	20 FEET Composite CN 91 91 91 91 91 91 91 91 91 91 91 91 91	TC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Project	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	1-27-2021 NA
ow Labels REA 1 -Year 0-Year 0-Year 00-Year REA 2 -Year 0-Year 0-Year 00-Year 00-Year REA 3 -Year 0-Year 0-Year 00-Year REA 3 -Year	<ul> <li>60' ROW</li> <li>60' ROW</li> <li>9</li> <li>9</li> <li>9</li> <li>0.94</li> <li>1.52</li> <li>2.29</li> <li>1.04</li> <li>1.71</li> <li>2.6</li> <li>1.51</li> <li>2.73</li> <li>4.37</li> </ul>	Impervious Area         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16	Pervious Area 0.06 0.06 0.06 0.06 0.08 0.08 0.08 0.08	0         SCALE IN         SCALE IN         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.24         0.44         0.44         0.44	20 FUET Composite CN 91 91 91 91 91 91 91 91 91 91	TC         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5          5          5          5 </td <td>Project</td> <td>250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280</td> <td>1-27-2021 NA</td>	Project	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	1-27-2021 NA
ow Labels REA 1 -Year 0-Year 00-Year REA 2 -Year 0-Year 0-Year 00-Year REA 3 -Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	60' ROW 60' ROW 9 Peak Runoff (cfs) 0.94 1.52 2.29 1.04 1.71 2.6 1.51 2.73	Impervious Area 0.15 0.15 0.15 0.16 0.16 0.16 0.16 0.16 0.16	Pervious Area 0.06 0.06 0.06 0.06 0.06 0.08 0.08 0.08	0 SCALE IN SCALE IN 70tal Area 0.21 0.21 0.21 0.21 0.21 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24	20 FUET FUET Composite CN 91 91 91 91 91 91 91 91 91 91	TC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Date	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	1-27-2021 NA
ow Labels REA 1 -Year 0-Year 00-Year REA 2 -Year 00-Year 00-Year REA 3 -Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	<ul> <li>60' ROW</li> <li>60' ROW</li> <li>9</li> <li>9</li> <li>9</li> <li>9</li> <li>9</li> <li>1.52</li> <li>2.29</li> <li>1.52</li> <li>2.29</li> <li>1.04</li> <li>1.52</li> <li>2.29</li> <li>1.04</li> <li>1.71</li> <li>2.6</li> <li>1.51</li> <li>2.73</li> <li>4.37</li> <li>1.69</li> </ul>	Impervious Area 0.15 0.15 0.15 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	Pervious Area 0.06 0.06 0.06 0.06 0.08 0.08 0.08 0.08	0         SCALE IN         SCALE IN         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.24         0.24         0.24         0.33	20 FUET FUET Composite CN 91 91 91 91 91 91 91 91 91 91	TC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Date	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	1-27-2021 NA
ow Labels REA 1 -Year 0-Year 0-Year 00-Year REA 2 -Year 00-Year 00-Year REA 3 -Year 00-Year 00-Year REA 3 -Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year REA 4 -Year 00-Year 00-Year REA 5	60' ROW 60'	Impervious Area 0.15 0.15 0.15 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.13 0.33 0.33 0.33	Pervious Area 0.06 0.06 0.06 0.06 0.06 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.028 0.28 0.28 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0.028 0	0 SCALE IN SCALE IN 70tal Area 0.21 0.21 0.21 0.21 0.21 0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24	20 20 20 20 20 20 20 20 20 20	TC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Date	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	1-27-2021 NA
ow Labels REA 1 -Year 0-Year 00-Year REA 2 -Year 00-Year 00-Year REA 3 -Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	<ul> <li>60' ROW</li> <li>60' ROW</li> <li>9</li> <li>9</li> <li>9</li> <li>9</li> <li>9</li> <li>9</li> <li>9</li> <li>1.52</li> <li>2.29</li> <li>1.52</li> <li>2.29</li> <li>1.04</li> <li>1.52</li> <li>2.29</li> <li>1.04</li> <li>1.71</li> <li>2.6</li> <li>1.51</li> <li>2.73</li> <li>4.37</li> <li>1.69</li> <li>2.57</li> </ul>	Impervious Area 0.15 0.15 0.15 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16	Pervious Area         0.06         0.06         0.06         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28 <td>0         SCALE IN         SCALE IN         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.24         0.33         0.33</td> <td>20 FEET FUI Composite CN 91 91 91 91 91 91 91 91 91 91</td> <td>TC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5</td> <td>Project</td> <td>250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280</td> <td>1-27-2021 NA</td>	0         SCALE IN         SCALE IN         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.24         0.33         0.33	20 FEET FUI Composite CN 91 91 91 91 91 91 91 91 91 91	TC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Project	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	1-27-2021 NA
ow Labels REA 1 -Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 00-Year 00-Year 00-Year 00-Year REA 3 -Year 00-Year 00-Year REA 5 -Year 00-Year 00-Year	60' ROW 60'	Impervious Area 0.15 0.15 0.15 0.15 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.13 0.33 0.33 0.33 0.33	Pervious Area         0.06         0.06         0.06         0.08         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.028         0.05	0         SCALE IN         SCALE IN         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.24         0.33         0.33         0.33         0.33         0.33         0.33         0.33         0.33         0.33	20 20 20 20 20 20 20 20 20 20	TC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Date	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	MANAGEMENT PLAN
ow Labels REA 1 -Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	60' ROW 60'	Impervious Area 0.15 0.15 0.15 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.16 0.16 0.16 0.16 0.16 0.33 0.33 0.33 0.05 0.05 0.05 0.05 0.05	Pervious Area         0.06         0.06         0.06         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.05	0         SCALE IN         SCALE IN         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.44         0.44         0.43         0.33         0.33         0.33         0.33         0.1         0.1	20 EVENT Composite CN 91 91 91 91 91 91 91 9	TC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Date	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	MANAGEMENT PLAN
ow Labels REA 1 -Year 0-Year 0-Year 00-Year REA 2 -Year 00-Year 00-Year REA 3 -Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	<ul> <li>60' ROW</li> &lt;</ul>	Impervious Area         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.033         0.33         0.05         0.05         0.05         0.06	Pervious Area         0.06         0.06         0.06         0.08         0.08         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.05         0.05         0.05         0.05         0.05         0.05         0.45	0         SCALE IN         SCALE IN         Total Area         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.44         0.44         0.44         0.43         0.33         0.33         0.33         0.33         0.1         0.1         0.1         0.51	EET Composite CN 91 91 91 91 91 91 91 91 91 91	TCC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Date	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	MANAGEMENT PLAN
ow Labels REA 1 -Year 0-Year 0-Year 00-Year REA 2 -Year 00-Year 00-Year REA 3 -Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	60' ROW 60'	Impervious Area         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.016         0.033         0.33         0.05         0.05         0.05         0.06	Pervious Area         0.06         0.06         0.06         0.08         0.08         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.05         0.05         0.05         0.05         0.05         0.45	0         SCALE IN         SCALE IN         SCALE IN         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.24         0.33         0.33         0.33         0.33         0.33         0.1         0.1         0.1         0.51	20 EVENT FUET Composite CN 91 91 91 91 91 91 91 91 91 91	TCC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Project	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	MANAGEMENT PLAN
ow Labels REA 1 -Year 0-Year 0-Year 00-Year REA 2 -Year 00-Year 00-Year REA 3 -Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	<ul> <li>60' ROW</li> &lt;</ul>	Impervious Area         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.033         0.33         0.05         0.05         0.05         0.06	Pervious Area         0.06         0.06         0.06         0.08         0.08         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.05         0.05         0.05         0.05         0.05         0.05         0.45	0         SCALE IN         SCALE IN         Total Area         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.44         0.44         0.44         0.43         0.33         0.33         0.33         0.33         0.1         0.1         0.1         0.51	EET Composite CN 91 91 91 91 91 91 91 91 91 91	TCC       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	Project	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	DRMWATER MANAGEMENT PLAN
ow Labels REA 1 -Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 00-Year 00-Year REA 3 -Year 0-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	<ul> <li>60' ROW</li> <li>60' ROW</li> <li>60' ROW</li> <li>60' ROW</li> <li>60' ROW</li> <li>94</li> <li>1.52</li> <li>2.29</li> <li>1.52</li> <li>2.29</li> <li>1.04</li> <li>1.71</li> <li>2.6</li> <li>1.71</li> <li>2.6</li> <li>1.51</li> <li>2.73</li> <li>4.37</li> <li>1.69</li> <li>2.57</li> <li>3.74</li> <li>0.38</li> <li>0.66</li> <li>1.04</li> <li>1.36</li> <li>2.7</li> <li>4.59</li> <li>0.22</li> <li>0.41</li> </ul>	Impervious Area         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.016         0.02         0.05         0.06         0.02         0.02	Pervious Area         0.06         0.06         0.06         0.06         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.105         0.45         0.45         0.45         0.05         0.05         0.05	0         SCALE IN         SCALE IN         SCALE IN         Total Area         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.44         0.44         0.44         0.44         0.44         0.44         0.1         0.33         0.33         0.33         0.1         0.1         0.11         0.1         0.1         0.1         0.1         0.51         0.51         0.51         0.07	20 EET Composite CN 91 91 91 91 91 91 91 91 91 91	TC           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5 <t< td=""><td>Date</td><td>250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280</td><td>1-27-2021 NA</td></t<>	Date	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	1-27-2021 NA
ow Labels REA 1 -Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year	<ul> <li>60' ROW</li> <li>60' ROW</li> <li>60' ROW</li> <li>60' ROW</li> <li>60' ROW</li> <li>94</li> <li>1.51</li> <li>2.29</li> <li>1.04</li> <li>1.52</li> <li>2.29</li> <li>1.04</li> <li>1.71</li> <li>2.6</li> <li>1.51</li> <li>2.73</li> <li>4.37</li> <li>1.69</li> <li>2.57</li> <li>3.74</li> <li>0.38</li> <li>0.66</li> <li>1.04</li> <li>1.36</li> <li>2.7</li> <li>4.59</li> <li>0.22</li> </ul>	Impervious Area         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.016         0.02	Pervious Area         0.06         0.06         0.06         0.06         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.105         0.05         0.05         0.45         0.45         0.05         0.05	0         SCALE IN         SCALE IN         SCALE IN         Total Area         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.44         0.44         0.44         0.44         0.44         0.44         0.1         0.33         0.33         0.33         0.11         0.1         0.11         0.1         0.51         0.51         0.51         0.51         0.007	EET Composite CN Gamma G	TC         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5 <t< td=""><td>Revision Date     Description of Changes</td><td>250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280</td><td>DRMWATER MANAGEMENT PLAN</td></t<>	Revision Date     Description of Changes	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	DRMWATER MANAGEMENT PLAN
ow Labels REA 1 -Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 00-Year 00-Year REA 3 -Year 0-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	<ul> <li>60' ROW</li> <li>60' ROW</li> <li>60' ROW</li> <li>60' ROW</li> <li>60' ROW</li> <li>94</li> <li>1.52</li> <li>2.29</li> <li>1.52</li> <li>2.29</li> <li>1.04</li> <li>1.71</li> <li>2.6</li> <li>1.71</li> <li>2.6</li> <li>1.51</li> <li>2.73</li> <li>4.37</li> <li>1.69</li> <li>2.57</li> <li>3.74</li> <li>0.38</li> <li>0.66</li> <li>1.04</li> <li>1.36</li> <li>2.7</li> <li>4.59</li> <li>0.22</li> <li>0.41</li> </ul>	Impervious Area         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.016         0.02         0.05         0.06         0.02         0.02	Pervious Area         0.06         0.06         0.06         0.06         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.105         0.45         0.45         0.45         0.05         0.05         0.05	0         SCALE IN         SCALE IN         SCALE IN         Total Area         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.44         0.44         0.44         0.44         0.44         0.44         0.1         0.33         0.33         0.33         0.1         0.1         0.11         0.1         0.1         0.1         0.1         0.51         0.51         0.51         0.07	20 EET Composite CN 91 91 91 91 91 91 91 91 91 91	TC           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5 <t< td=""><td>#     Description of Changes</td><td>250 NW MCNARY CT.           250 NW MCNARY CUIT           250 NW MCNARY CUIT           250 NW MCNARY CUIT           250 NM MCNARY CUIT           250 NM MCNARY CUIT           250 NM MCNARY CUIT           250 NM MCNARY CUIT           260 NM MCNARY CUIT</td><td>DRMWATER MANAGEMENT PLAN</td></t<>	#     Description of Changes	250 NW MCNARY CT.           250 NW MCNARY CUIT           250 NW MCNARY CUIT           250 NW MCNARY CUIT           250 NM MCNARY CUIT           250 NM MCNARY CUIT           250 NM MCNARY CUIT           250 NM MCNARY CUIT           260 NM MCNARY CUIT	DRMWATER MANAGEMENT PLAN
ow Labels REA 1 -Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year	60' ROW 60'	Impervious Area         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.02         0.05         0.05         0.06         0.02         0.02         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	Pervious Area         0.06         0.06         0.06         0.08         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.128         0.28         0.28         0.28         0.28         0.28         0.128         0.128         0.128         0.128         0.05         0.05         0.05         0.145         0.45         0.45         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.02         0.02	0         SCALE IN         SCALE IN         SCALE IN         Total Area         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.24         0.44         0.44         0.44         0.44         0.33         0.33         0.33         0.33         0.33         0.11         0.1         0.11         0.1         0.1         0.51         0.51         0.07         0.07         0.07         0.007         0.02         0.02	20         Kernel         Value         Composite CN         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         92         93         98         98         98         98         98         98         98         98         98         98         98         91         77         77         77	TC           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5 <t< td=""><td>#     Description of Changes</td><td>250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280</td><td>DRMWATER MANAGEMENT PLAN</td></t<>	#     Description of Changes	250 NW MCNARY CT. Lee's Summit, mo 64086 TM Crowley 501 Pennsylvania Parkway Suit INDIANAPOLIS, IN 46280	DRMWATER MANAGEMENT PLAN
ow Labels REA 1 -Year 0-Year 0-Year 00-Year REA 2 -Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	60' ROW 60' ROW 60' ROW 60' ROW 60' ROW	Impervious Area         0.15         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.02         0.05         0.02         0.02         0.02         0         0	Pervious Area         0.06         0.06         0.06         0.08         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.145         0.05         0.05         0.05         0.05         0.05         0.45         0.45         0.45         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05 </td <td>0         SCALE IN         SCALE IN         Total Area         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.44         0.44         0.44         0.44         0.33         0.33         0.33         0.33         0.1         0.1         0.1         0.1         0.51         0.51         0.51         0.51         0.07         0.07         0.07         0.02</td> <td>20         Image: Project of the strength of the strengt of the strengt of the strengend of the stren</td> <td>TCC           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           &lt;</td> <td>Date         Bate         Description of Changes         #         Beneration         Beneration</td> <td>250 NW MCNARY CT. 250 NW MCNARY CT. LEE'S SUMMIT, M0 64086 TM CROWLEY 501 PENNSYLVANIA PARKWAY SUIT INDIANAPOLIS, IN 46280</td> <td>1-27-2021 STORMWATER MANGEMENT PLAN STORMWATER MANGEMENT PLAN S108920</td>	0         SCALE IN         SCALE IN         Total Area         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.44         0.44         0.44         0.44         0.33         0.33         0.33         0.33         0.1         0.1         0.1         0.1         0.51         0.51         0.51         0.51         0.07         0.07         0.07         0.02	20         Image: Project of the strength of the strengt of the strengt of the strengend of the stren	TCC           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           <	Date         Bate         Description of Changes         #         Beneration	250 NW MCNARY CT. 250 NW MCNARY CT. LEE'S SUMMIT, M0 64086 TM CROWLEY 501 PENNSYLVANIA PARKWAY SUIT INDIANAPOLIS, IN 46280	1-27-2021 STORMWATER MANGEMENT PLAN STORMWATER MANGEMENT PLAN S108920
ow Labels NEA 1 -Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 0-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year 00-Year	60' ROW 60'	Impervious Area         0.15         0.15         0.15         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.16         0.02         0.05         0.05         0.06         0.02         0.02         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	Pervious Area         0.06         0.06         0.06         0.08         0.08         0.08         0.08         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.28         0.128         0.28         0.28         0.28         0.28         0.28         0.128         0.128         0.128         0.128         0.05         0.05         0.05         0.145         0.45         0.45         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.02         0.02	0         SCALE IN         SCALE IN         SCALE IN         Total Area         0.21         0.21         0.21         0.21         0.24         0.24         0.24         0.24         0.24         0.44         0.44         0.44         0.44         0.33         0.33         0.33         0.33         0.33         0.11         0.1         0.11         0.1         0.1         0.51         0.51         0.07         0.07         0.07         0.02         0.02	20         Kernel         Value         Composite CN         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         91         92         93         98         98         98         98         98         98         98         98         98         98         98         91         77         77         77	TC           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5           5 <t< td=""><td>Image: state state</td><td>250 NW MCNARY CT. 250 NW MCNARY CT. LEE'S SUMMIT, M0 64086 TM CROWLEY 501 PENNSYLVANIA PARKWAY SUIT INDIANAPOLIS, IN 46280</td><td>STORMWATER MANAGEMENT PLAN</td></t<>	Image: state	250 NW MCNARY CT. 250 NW MCNARY CT. LEE'S SUMMIT, M0 64086 TM CROWLEY 501 PENNSYLVANIA PARKWAY SUIT INDIANAPOLIS, IN 46280	STORMWATER MANAGEMENT PLAN



**10 YEAR STORM HYDRAULICS** InvertUp LineSlope Grnd/RimElev Up LineLength n-valuePipe LineNo. LineID InletID LineSize InvertDn (ft) (ft) (ft) (ft) (in) (%) 302-301 302 GSI 165.286 0.012 994.11 0.50 998.37 15 994.94 2 301-300 301 GSI 201.508 0.012 994.01 993.00 0.50 998.74 18 1

	100 YEAR ST	ORM HYDRA	ULICS																		
LineNo.	LineID	InletID	LineLength	n-valuePipe	LineSize	InvertUp	InvertDn	LineSlope	Grnd/RimElev Up	Grnd/RimElev Dn	DepthUp	HGLUp	HGLDn	Rim-Hw	Defl.Angle	VelDn	VelHd Dn	J-LossCoeff	EnergyLoss	MinorLoss	FlowRate
			(ft)		(in)	(ft)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(Deg)	(ft/s)	(ft)		(ft)	(ft)	(cfs)
2	302-301	302 GSI	165.000	0.012	15	995.02	994.19	0.50	998.37	998.74	0.60**	995.62	994.84	2.75	73.821	3.55	0.24	1.00 z	0.000	0.24	2.29
1	301-300	301 GSI	198.980	0.012	18	993.99	993.00	0.50	998.74	994.43	0.85**	994.84	993.85	3.90	69.997	4.73	0.35	1.45 z	0.000	0.51	4.89



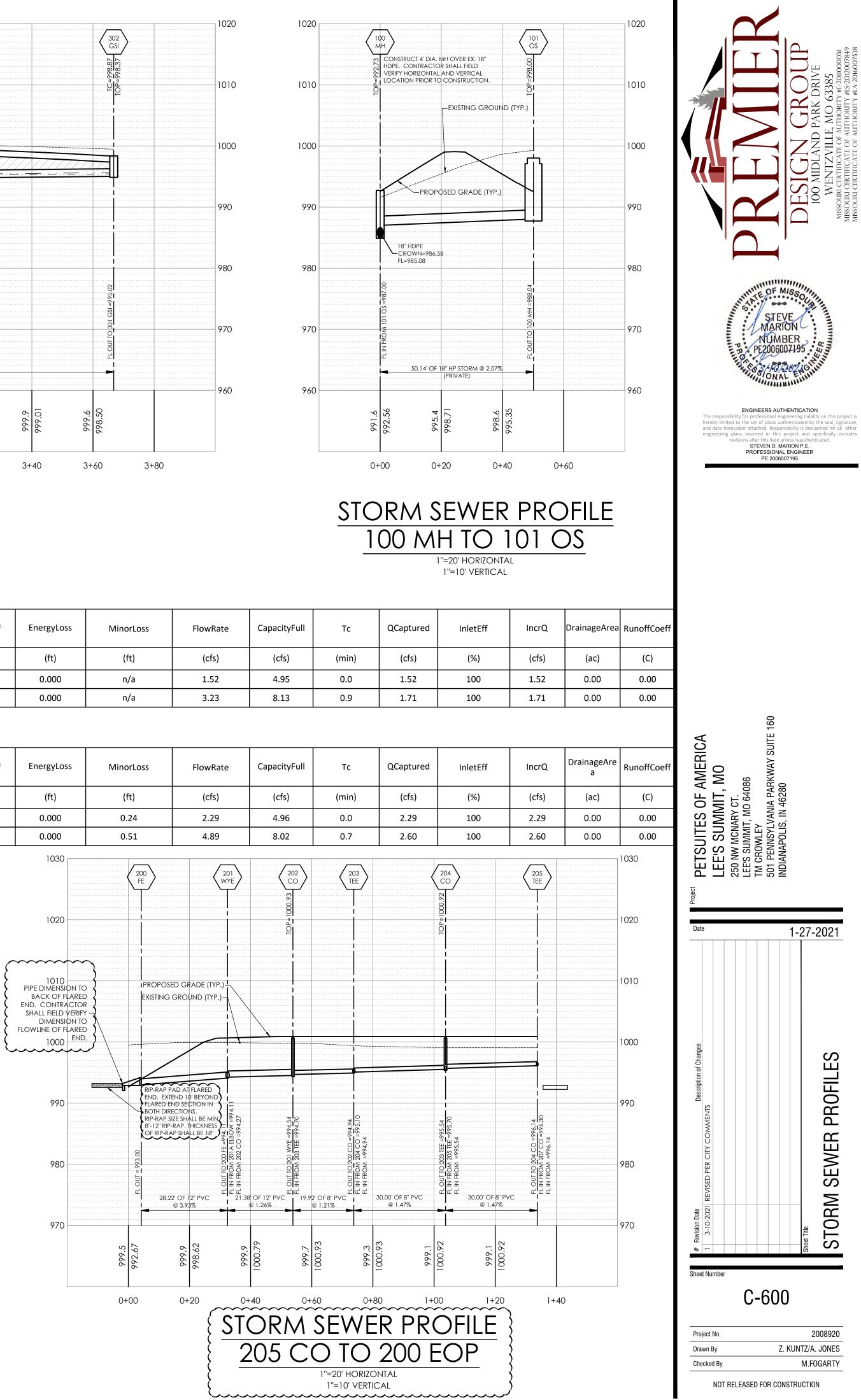
by these plans shall be strictly followed (ie. trenching, blasting, etc.)

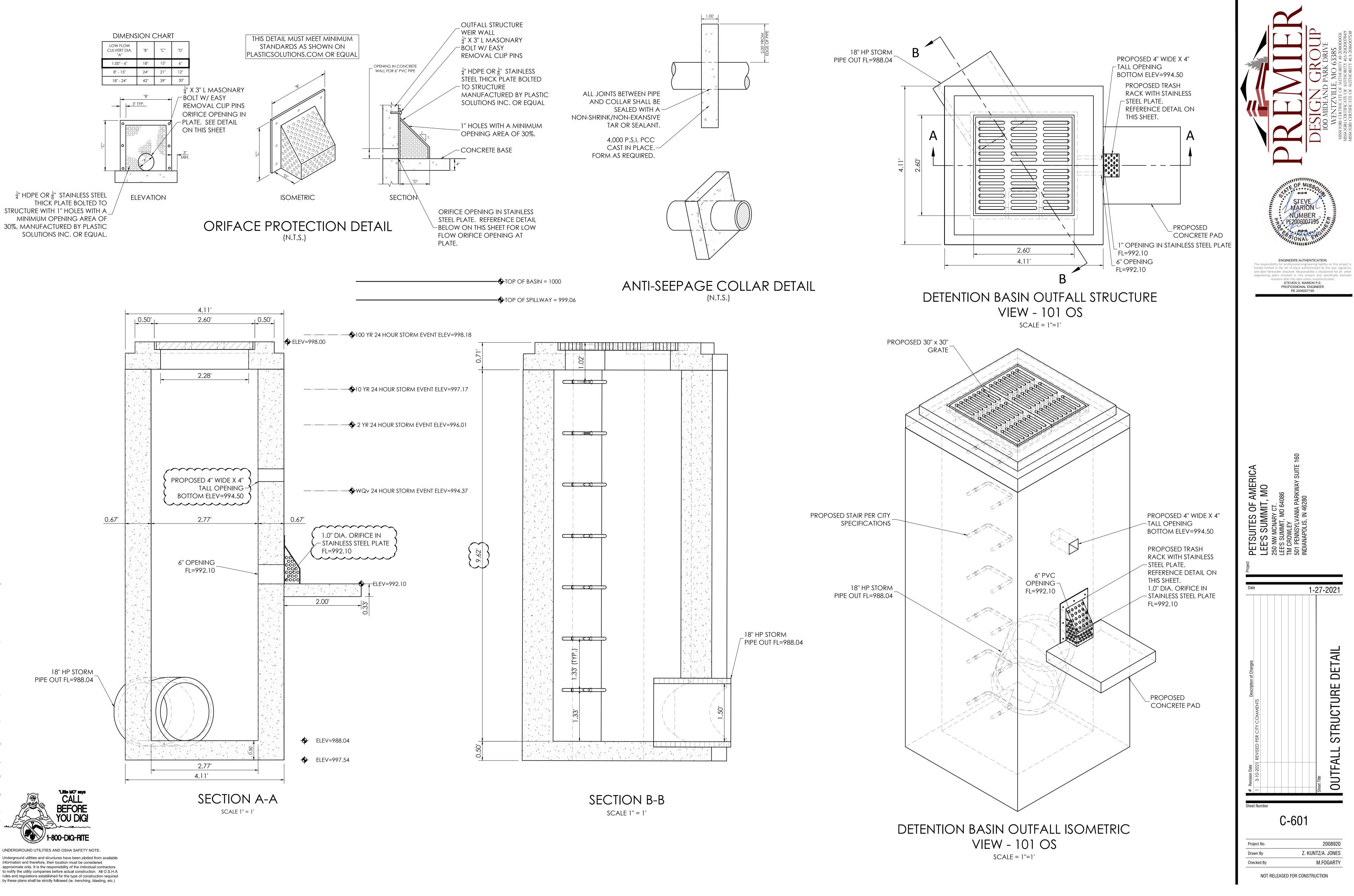
			301 GSI 40 80 80 10 80 10 10 10 10 10 10 10 10 10 10 10 10 10			10 \	EAR TQ = 1.52 CFS				$\begin{array}{c c} 302\\\hline 1C = 998.87\\\hline 000 \\\hline 000 \hline\hline 000 \\\hline 000 \\\hline 000 \\\hline 000 \hline\hline 000 \\\hline 000 \hline\hline 000 \\\hline 000 \hline\hline 0$	
ADE (TYP.	)											
EAR HYDRA	AULIC YP.)					FILL P	OSED GRANULAR R CITY OF LEE'S IIT SPECIFICATIONS					
			FL OUT TO 300 FE = 993.99 FL IN FROM 302 GSI = 994.19 994.19								<u>FL OUT TO 301 GS1 =995.02</u>	
						165.29' O	F 15" HP STORM @ 0.50 (PRIVATE)	%				
1000.1	999.87 1000.5	19.999.1	998.74 1000.6	999.13 1000.4	999.64	1000.02	1000.21 5.0001	999.81 10001	999.36 999.9	9.99.6	998.50	
1+6	0 1+	80 2+	-00 2-	+20 2+	+40 2+	-60	2+80 3	3+00 3-	+20 3+	-40 3+	60 3+8	80

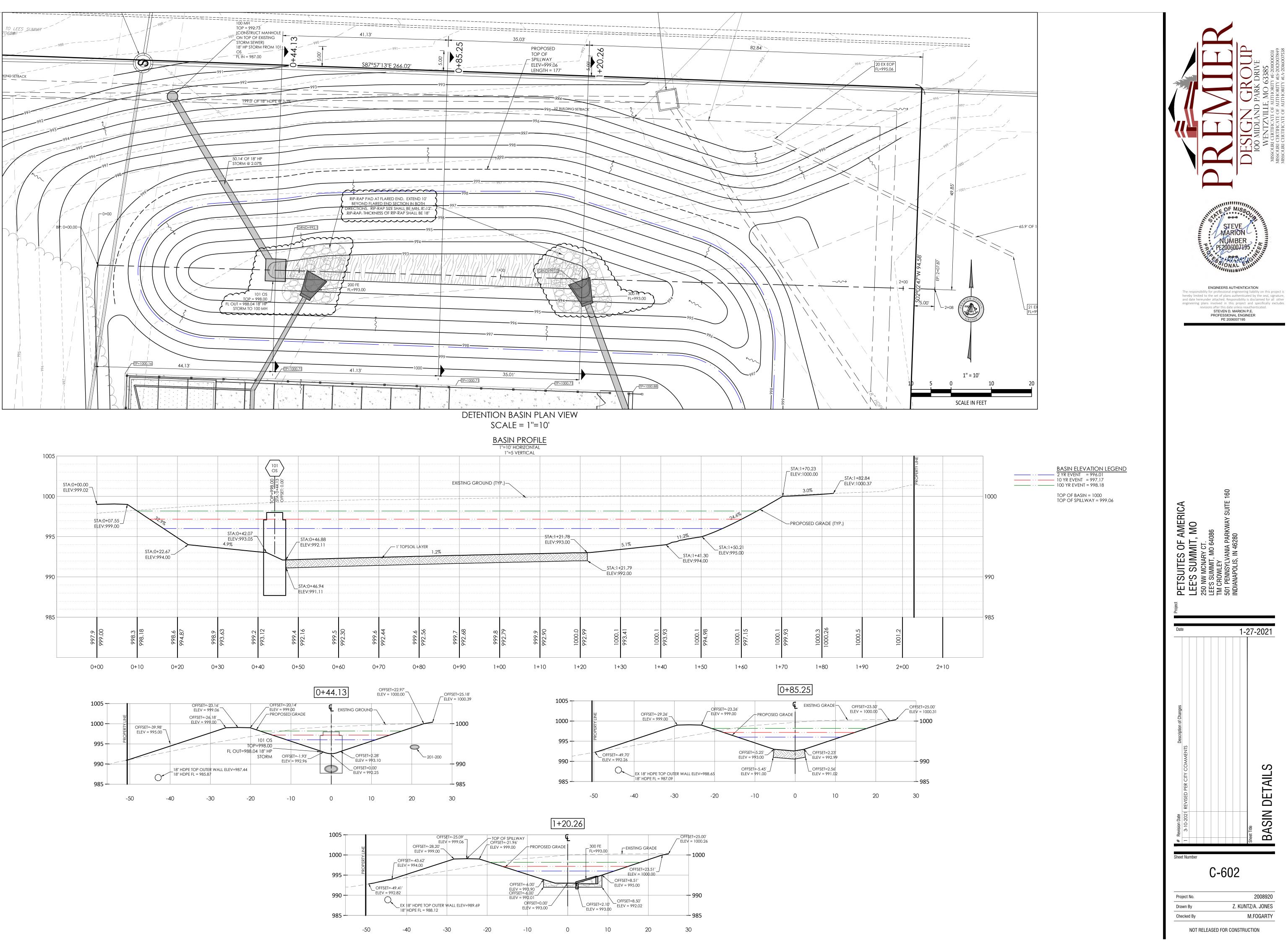
# STORM SEWER PROFILE 300 EOP TO 302 GSI

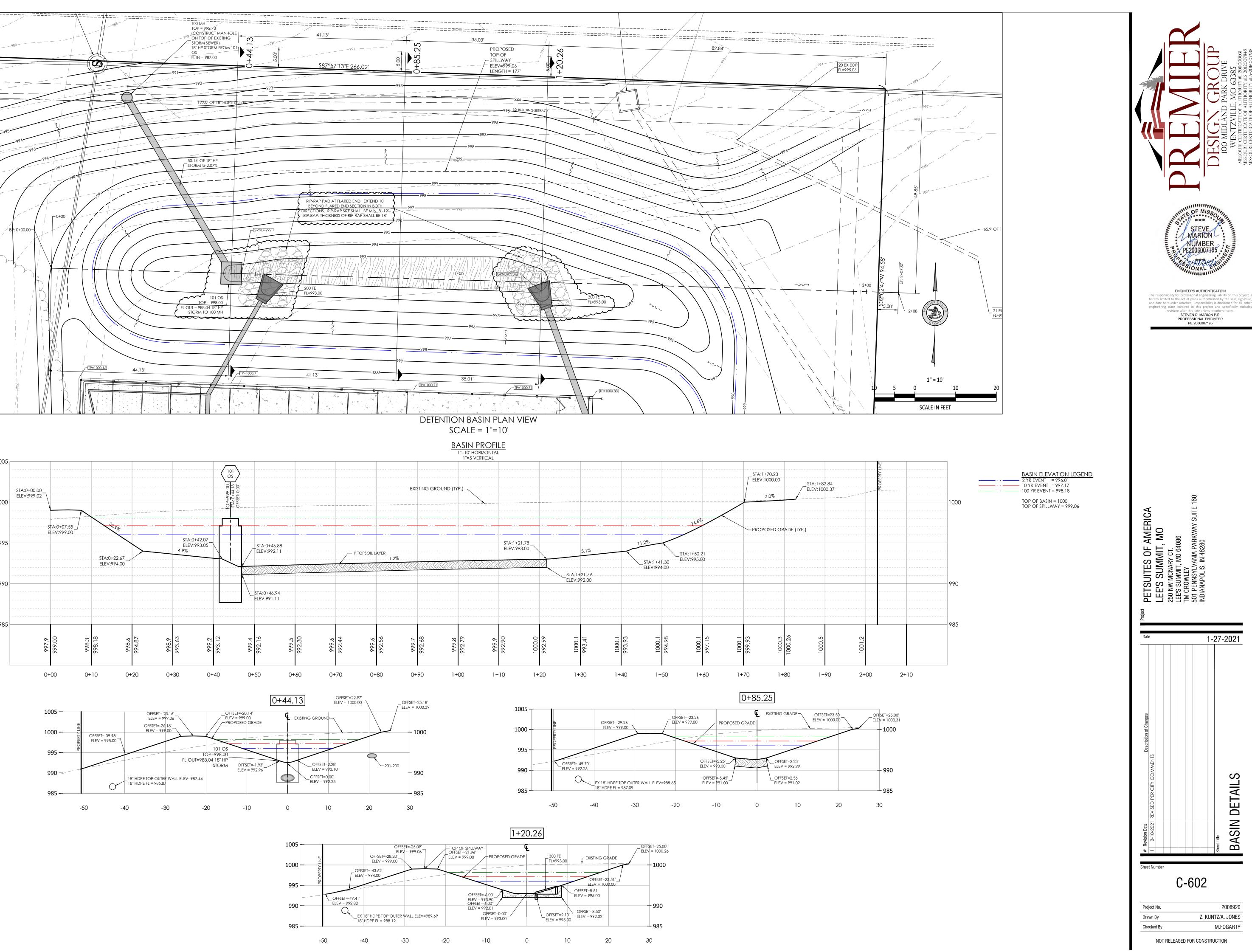
20	
1"=10' VERTICAL	

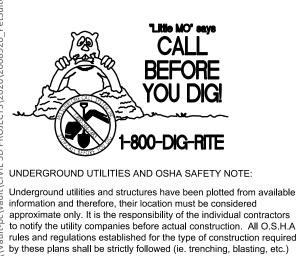
Grnd/RimElev Dn	DepthUp	HGLUp	HGLDn	Rim-Hw	Defl.Angle	VelDn	VelHd Dn	J-LossCoeff	EnergyLoss	MinorLoss	FlowRat
(ft)	(ft)	(ft)	(ft)	(ft)	(Deg)	(ft/s)	(ft)		(ft)	(ft)	(cfs)
998.74	0.49**	995.43 j	994.69	2.94	73.821	2.71	0.18	1.00 z	0.000	n/a	1.52
994.43	0.68**	994.69	993.68	4.05	69.997	4.11	0.26	1.45 z	0.000	n/a	3.23

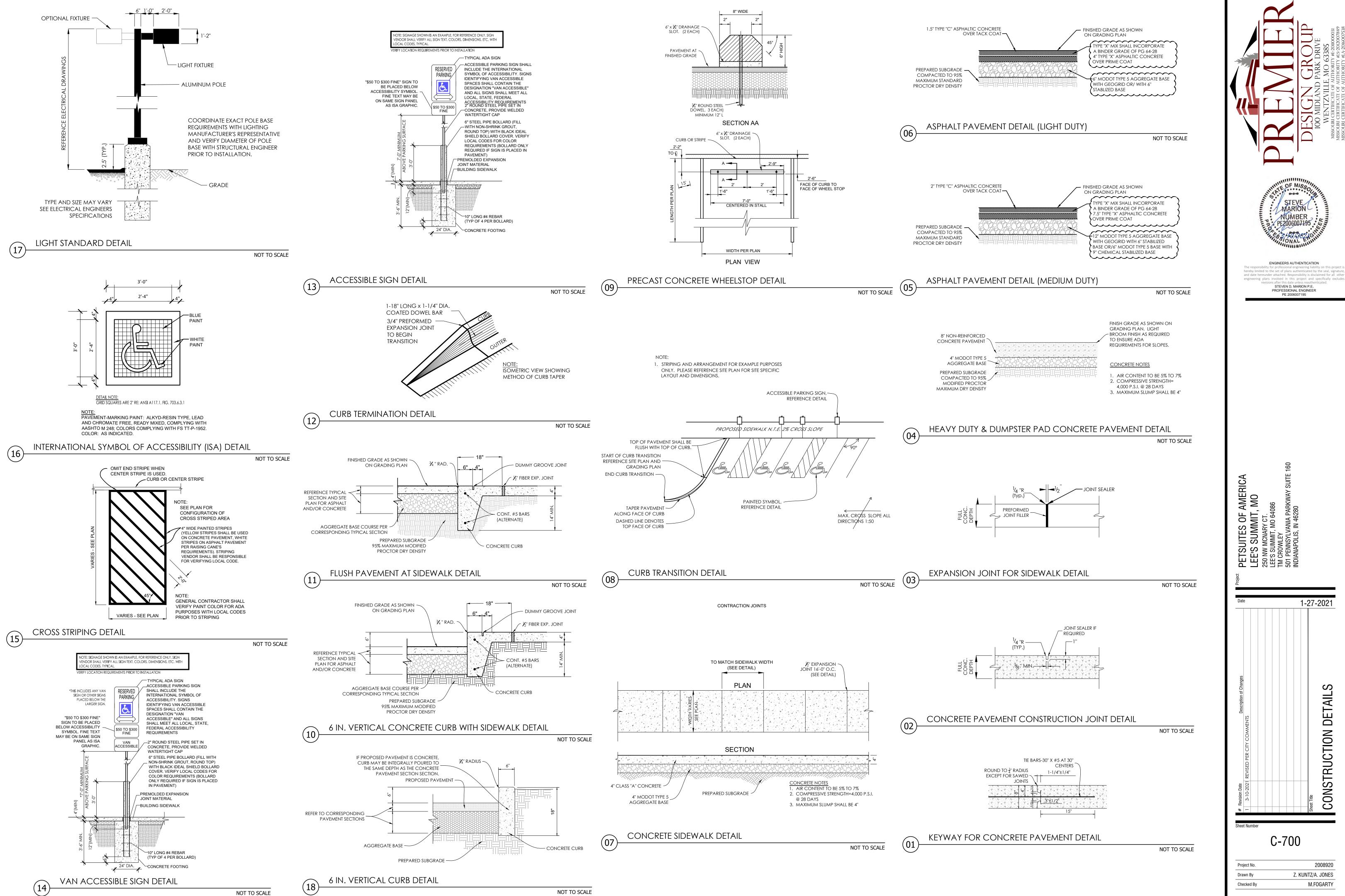




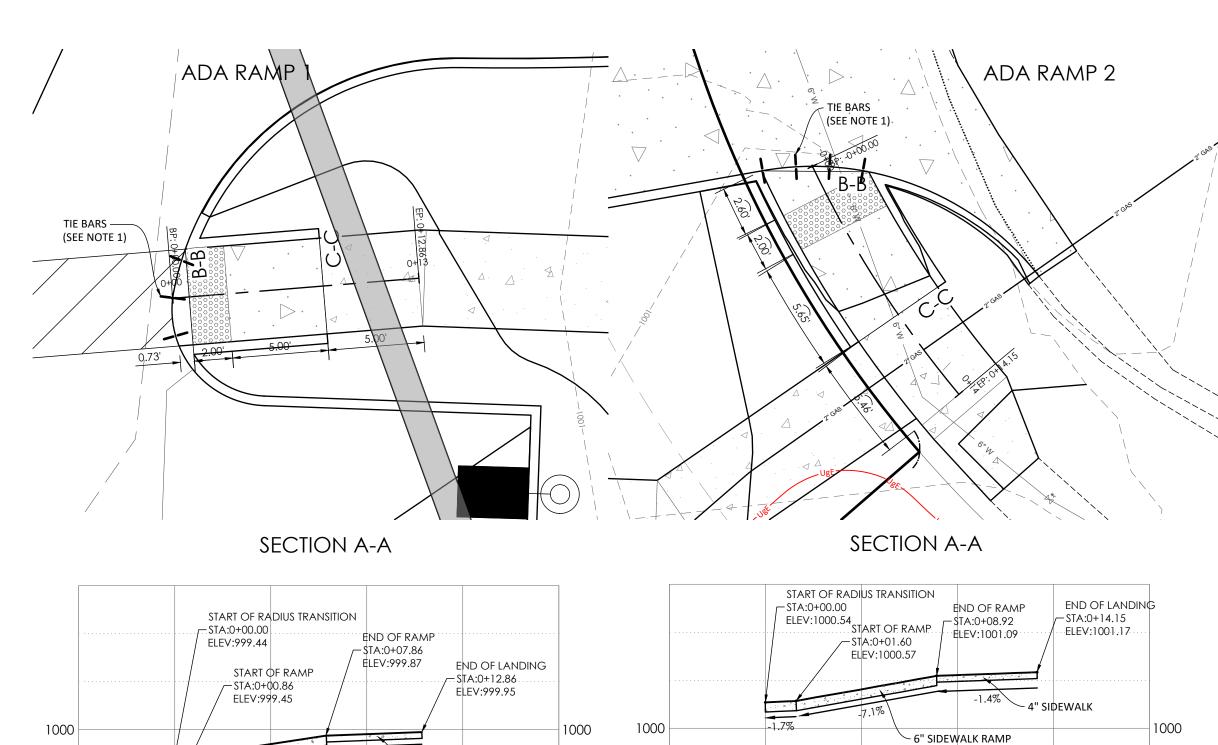








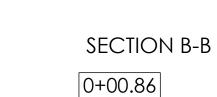
NOT RELEASED FOR CONSTRUCTION





999.

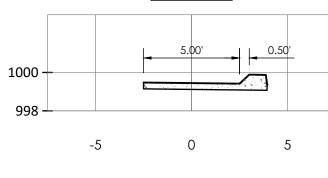
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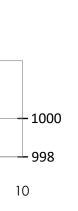


0+05

6" SIDEWALK RAMP

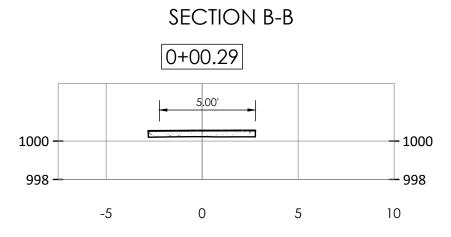
0+10





-1.5% 4" SIDEWALK

0+15



0+10

0+15

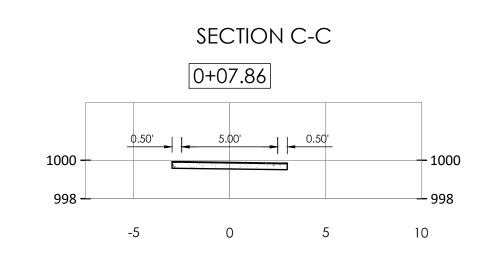
000.54

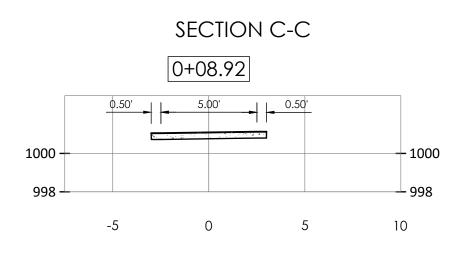
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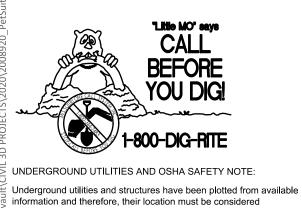
<u></u>. 00 8

0+05

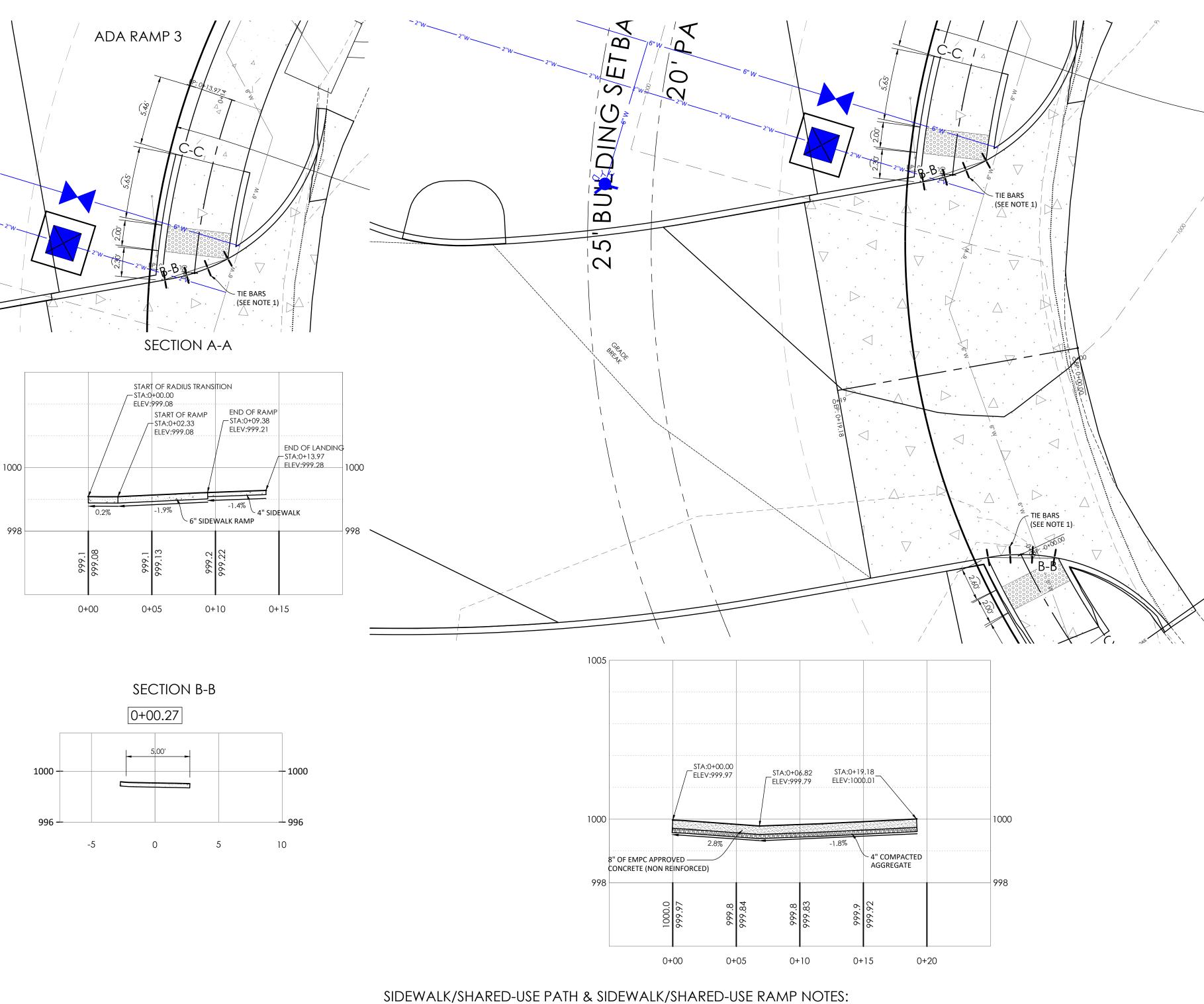
998





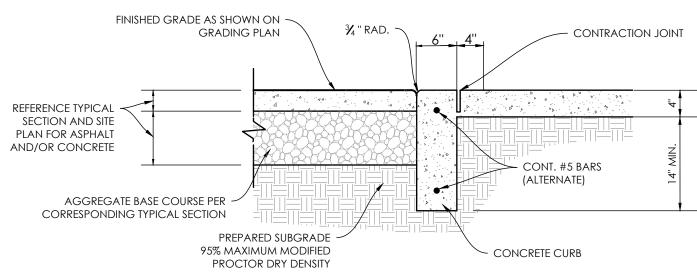


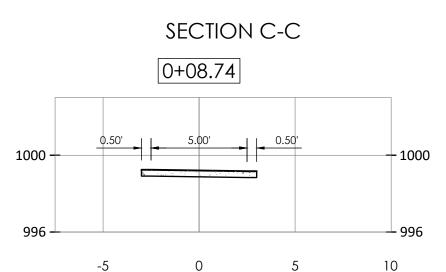
approximate only. It is the responsibility of the individual contractors to notify the utility companies before actual construction. All O.S.H.A rules and regulations established for the type of construction required by these plans shall be strictly followed (ie. trenching, blasting, etc.)

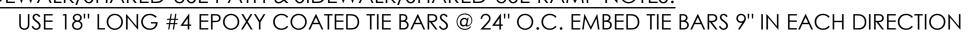


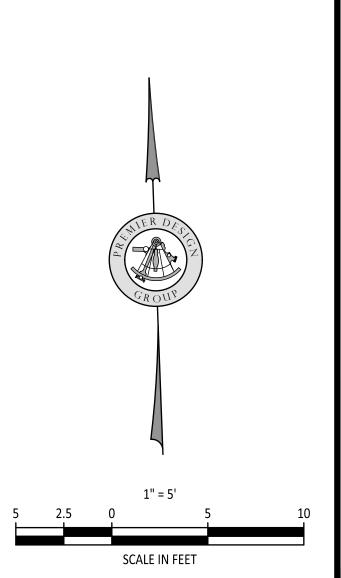
2. ADA MAXIMUM RAMP SLOPE = 8.33%

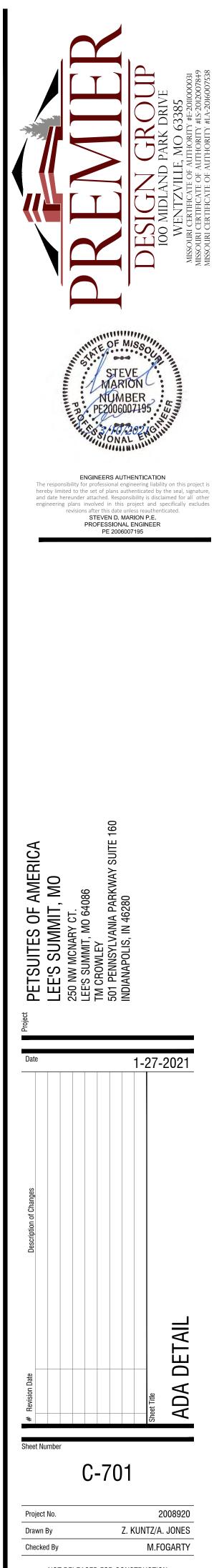
3. ADA MAXIMUM CROSS SLOPE = 2.0%

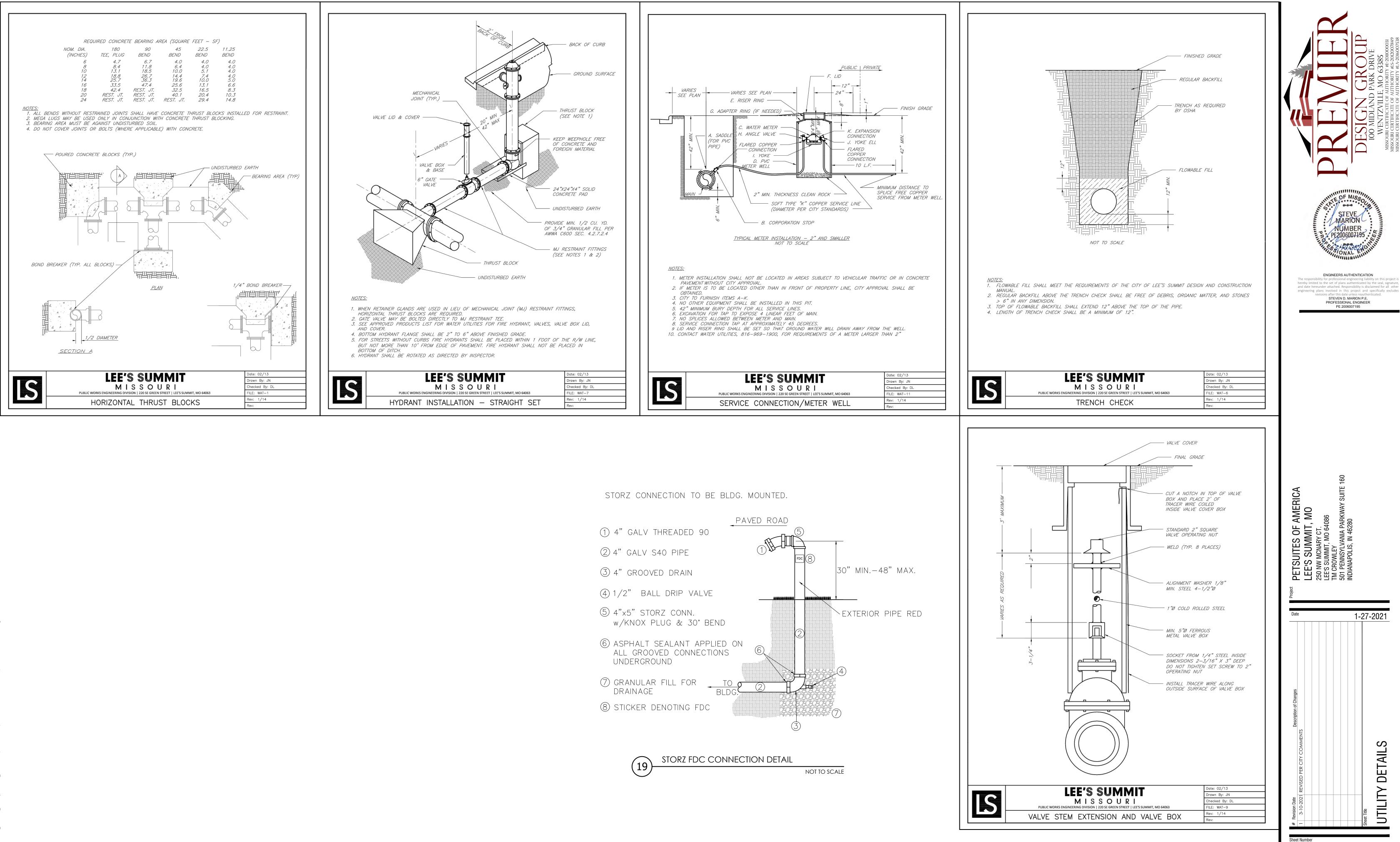


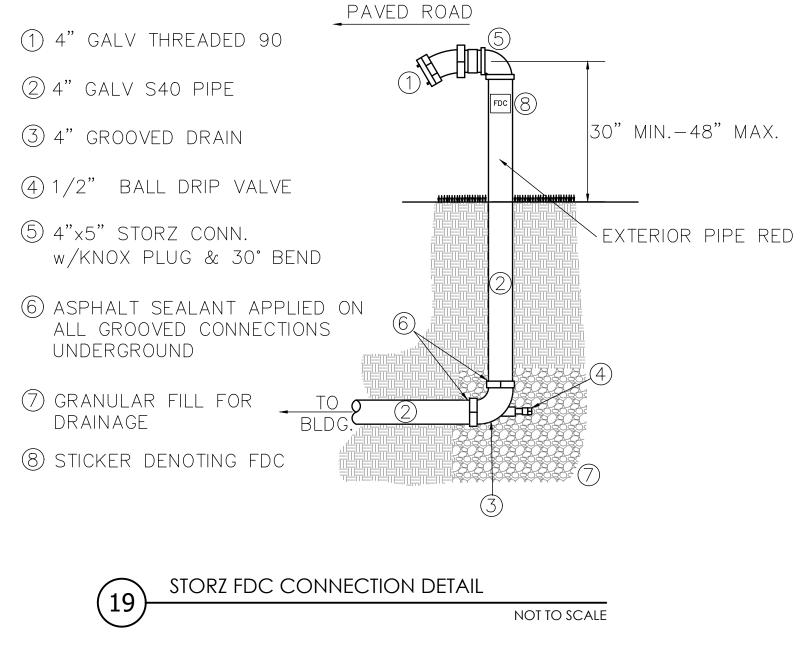












C-800

DETAILS

TILITY

Project No.	2008920
Drawn By	Z. KUNTZ/A. JONES
Checked By	M.FOGARTY
NOT RELEASED FO	R CONSTRUCTION

### Section 2723

#### GENERAL

PVC surface drainage inlets shall be of the curb inlet structure type as indicated on the contract drawings and referenced within the contract specifications. The ductile iron frame, grate and hood for each of these structures are to be considered an integral part of the surface drainage inlet and shall be furnished by the same manufacturer. The curb inlet structure shall be as manufactured by Nyloplast a division of Advanced Drainage Systems, Inc. or prior approved equal.

#### MATERIALS

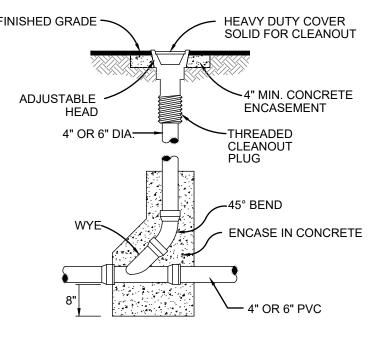
stock to the specified configuration. The drainage pipe connection stubs shall be manufactured form PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals. The flexible elastomeric seals shall conform to ASTM F477. The pipe bell spigot shall be joined to the main body of the structure. The raw material used to manufacture the pipe stock that is used to manufacture the main body and pipe stubs of the surface drainage inlets shall conform to ASTM D1784 cell class 12454.

The grate, frame and hood for all curb inlet structures shall be ductile iron and shall be made specifically for each so as to provide a round bottom flange that closely matches the diameter of the PVC structure body. The grate, frame and hood shall be capable of supporting H-20 wheel loading for traffic areas. The hood section will have a solid back and be adjustable by use of three (3) locking hex head bolts. The metal used in the manufacture of the castings shall conform to ASTM A536 grade 70-50-05 for ductile iron.

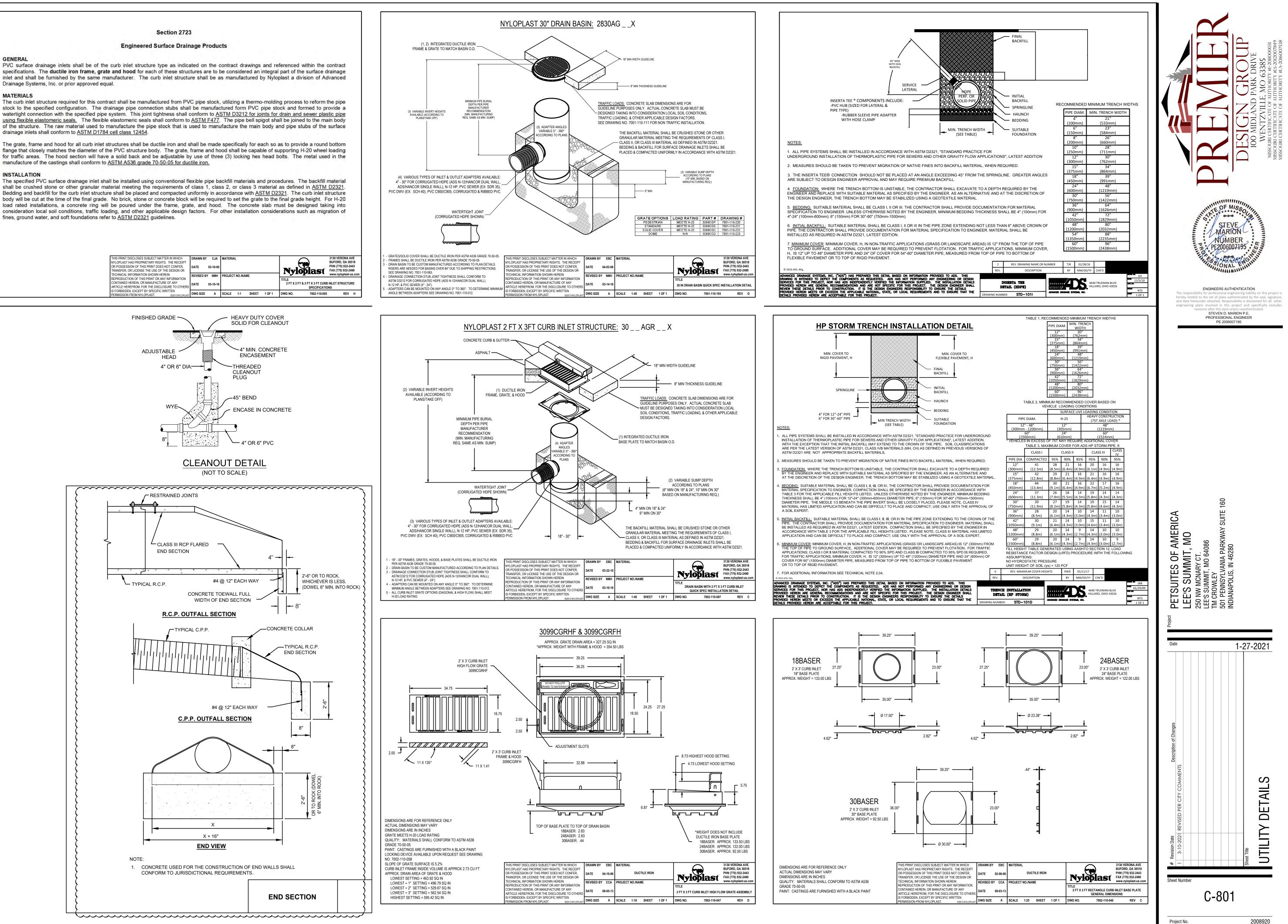
#### INSTALLATION

shall be crushed stone or other granular material meeting the requirements of class 1, class 2, or class 3 material as defined in ASTM D2321. Bedding and backfill for the curb inlet structure shall be placed and compacted uniformly in accordance with ASTM D2321. The curb inlet structure body will be cut at the time of the final grade. No brick, stone or concrete block will be required to set the grate to the final grade height. For H-20 load rated installations, a concrete ring will be poured under the frame, grate, and hood. The concrete slab must be designed taking into consideration local soil conditions, traffic loading, and other applicable design factors. For other installation considerations such as migration of fines, ground water, and soft foundations refer to ASTM D2321 guidelines.

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(NOT TO SCALE)



Z. KUNTZ/A. JONES

M.FOGARTY

Project No.

Checked By

Drawn B



	ERAL:
	ALL LANDSCAPE MATERIAL SHALL CONFORM TO THE CITY OF LEE'S SUMMIT STANDARDS.
2.	
	THE PERMANENT PLAN OF OPERATION. EVERY EFFORT POSSIBLE SHALL BE MADE TO PROTECT EXISTING
	VEGETATION OR STRUCTURES FROM DAMAGE DUE TO EQUIPMENT USAGE. CONTRACTOR SHALL AT ALL TIMES
0	PROTECT ALL MATERIALS AND WORK AGAINST INJURY TO THE PUBLIC.
3.	THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH OTHER SITE RELATED
	WORK BEING PERFORMED BY OTHER CONTRACTORS. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER COORDINATION OF WORK TO BE DONE.
4.	UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES MUST BE CONSIDERED APPROXIMATE ONLY. THERE
	MAY BE OTHERS NOT PRESENTLY SHOWN OR KNOWN. IT SHALL BE THE LANDSCAPE CONTRACTOR'S
	RESPONSIBILITY TO DETERMINE OR VERIFY THE EXISTENCE OF AND EXACT LOCATION OF ALL UTILITIES. (CALL
	MISSOURI ONE CALL, 1-800-DIG-RITE)
5.	PLANT MATERIAL ARE TO BE PLANTED IN THE SAME RELATIONSHIP TO GRADE AS WAS GROWN IN NURSERY
	CONDITIONS. ALL PLANTING BEDS SHALL BE CULTIVATED TO A DEPTH OF 6" MINIMUM AND GRADED SMOOTH
	IMMEDIATELY BEFORE PLANTING OF PLANTS. PLANT GROUNDCOVER TO WITHIN 12" OF TRUNK OF TREES OR SHRUBS PLANTED WITHIN THE AREA.
6.	IT SHALL BE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO:
0.	A. VERIFY ALL EXISTING AND PROPOSED FEATURES SHOWN ON THE DRAWINGS PRIOR TO COMMENCEMENT.
	B. REPORT ALL DISCREPANCIES FOUND WITH REGARD TO EXISTING CONDITIONS OR PROPOSED DESIGN TO
	THE ENGINEER OF RECORD IMMEDIATELY FOR A DECISION.
	C. STAKE THE LOCATIONS OF ALL PROPOSED PLANT MATERIAL AND OBTAIN THE APPROVAL OF THE OWNER'S
_	REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7.	ITEMS SHOWN ON THIS DRAWING TAKE PRECEDENCE OVER THE MATERIAL LIST. IT SHALL BE THE LANDSCAPE
	CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES AND CONDITIONS PRIOR TO IMPLEMENTATION OF THIS PLAN. NO SUBSTITUTIONS OF TYPES OR SIZE OF PLANT MATERIALS WILL BE ACCEPTED WITHOUT WRITTEN
	APPROVAL FROM THE LANDSCAPE ARCHITECT.
8.	PROVIDE SINGLE-STEM TREES UNLESS OTHERWISE NOTED IN PLANT SCHEDULE.
9.	ALL PLANT MATERIAL SHALL COMPLY WITH THE RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1
	"AMERICAN STANDARDS FOR NURSERY STOCK".
10.	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FOR INSPECTION OF THE PLANT MATERIAL BY THE
	LANDSCAPE ARCHITECT PRIOR TO ACCEPTANCE. PLANTS NOT CONFORMING EXACTLY TO THE PLANT LIST
11	WILL NOT BE ACCEPTED AND SHALL BE REPLACED AT THE LANDSCAPE CONTRACTOR'S EXPENSE. ALL BIDS ARE TO HAVE UNIT PRICES LISTED. THE OWNER HAS THE OPTION TO DELETE ANY PORTION OF THE
	CONTRACT PRIOR TO SIGNING THE CONTRACT OR BEGINNING WORK. THIS WILL BE A UNIT PRICE CONTRACT.
12.	ALL PLANT MATERIAL TO BE TRANSPLANTED SHALL BE IN ACCORDANCE TO GUIDELINES SET BY AAN
	STANDARDS. TRANSPLANTED MATERIAL WILL NOT BE GUARANTEED BY THE LANDSCAPE CONTRACTOR.
INSU	RANCE:
1.	THE LANDSCAPE CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSURANCE FOR WORKMAN'S
	COMPENSATION AND GENERAL LIABILITY.
MUL	
١.	ALL MULCH TO BE SHREDDED OAK BARK MULCH AT 3" DEPTH AFTER COMPACTION (UNLESS OTHERWISE
	NOTED). MULCH SHALL BE CLEAN AND FREE OF ALL FOREIGN MATERIALS, INCLUDING WEEDS, MOLD, DELETERIOUS MATERIALS, ETC. PROVIDE 4' DIAMETER MULCH RING AROUND ALL NEW TREES WITH MIN. 3"
	DEPTH OF SHREDDED OAK BARK MULCH.
2.	MIRAFI FABRIC SHALL BE USED BENEATH ALL GRAVEL MULCH BEDS.
3.	LANDSCAPE BEDS NOT BORDERED BY CONCRETE CURBING OR WALKS SHALL BE SPADE CUT EDGE.
MAIN	NTENANCE:
1.	LANDSCAPE CONTRACTOR SHALL PROVIDE A SEPARATE PROPOSAL TO MAINTAIN ALL PLANTS, SHRUBS,
~	GROUNDCOVER, PERENNIALS AND ANNUALS FOR A PERIOD OF 12 MONTHS AFTER ACCEPTANCE.
2.	CONTRACTOR SHALL ENSURE THAT ONLY COMPETENT AND TRAINED PERSONNEL SHALL PROVIDE SUCH SERVICES AND THAT SUCH SERVICES BE PROVIDED IN A TIMELY MANNER.
TOPS	
1.	TOPSOIL MIX FOR ALL PROPOSED LANDSCAPE PLANTINGS SHALL BE FIVE (5) PARTS WELL-DRAINED SCREENED
	ORGANIC TOPSOIL TO ONE (1) PART CANADIAN SPHAGNUM PEAT MOSS AS PER PLANTING DETAILS.
	ROTO-TILL TOPSOIL MIX TO A DEPTH OF 6" MINIMUM AND GRADE SMOOTH.
2.	PROVIDE A SOIL ANALYSIS, AS REQUESTED, MADE BY AN INDEPENDENT SOIL-TESTING AGENCY OUTLINING THE
	PERCENTAGE (%) OF ORGANIC MATTER, INORGANIC MATTER, DELETERIOUS MATERIAL, PH AND MINERAL
~	
3.	
4.	LITTER OR ANY OTHER EXTRANEOUS OR TOXIC MATERIAL. LANDSCAPE CONTRACTOR TO APPLY PRE-EMERGENT HERBICIDE TO ALL PLANTING BEDS UPON COMPLETION
4.	OF PLANTING OPERATIONS AND BEFORE APPLICATION OF SHREDDED OAK BARK MULCH.
	MISC. MATERIAL:
PRO	VIDE STAKES AND DEADMAN OF SOUND, NEW HARDWOOD, FREE OF KNOTHOLES AND DEFECTS.
1.	TREE WRAP TAPE SHALL BE 4" MINIMUM, DESIGNED TO PREVENT BORER DAMAGE AND WINTER FREEZING.
	ADDITIONALLY, ONLY 3-PLY TYING MATERIAL SHALL BE USED.
TURF	
1.	
	GRASS-FESCUE MIX. LAWN AREAS SHALL BE UNCONDITIONALLY WARRANTED FOR A PERIOD OF 90 DAYS FROM DATE OF FINAL ACCEPTANCE.
2	ANY POINTS CARRYING CONCENTRATED WATER LOADS AND ALL SLOPES OF 4:1 OR GREATER SHALL BE
۷.	SODDED AND THE SOD SHALL HAVE STAKES PLACED.
3.	ALL SOD SHALL BE PLACED A MAXIMUM OF 24 HOURS AFTER HARVESTING.
4.	RECONDITION EXISTING LAWN AREAS DAMAGED BY CONTRACTOR'S OPERATIONS INCLUDING EQUIPMENT/
	MATERIAL STORAGE AND MOVEMENT OF VEHICLES.
5.	SOD CONTRACTOR TO ENSURE SOD IS PLACED BELOW SIDEWALK AND ALL PAVED AREA ELEVATIONS TO
,	ALLOW FOR PROPER DRAINAGE.
6. SIGH	OFF-SITE LAND DISTURBED SHALL BE SODDED AND RESTORED TO A CONDITION BETTER THAN EXISTING. IT TRIANGLES:
ыGп 1.	NO LANDSCAPE MATERIAL OR OTHER OBSTRUCTIONS SHALL BE PLACED OR BE MAINTAINED WITHIN THE
••	SIGHT DISTANCE AREA SO AS NOT TO IMPEDE THE VISION BETWEEN A HEIGHT OF THIRTY INCHES (30") AND TEN
	FEET (10') ABOVE THE ADJACENT STREET OR PAVING SURFACES.
2.	THE TRIANGLE ADJACENT TO STREET INTERSECTIONS SHALL BE FORMED BY MEASURING FROM THE POINT OF
	INTERSECTION OF THE FRONT AND SIDE LOT LINES A DISTANCE OF 20' MINIMUM ALONG SAID FRONT AND
-	SIDE LOT LINES AND CONNECTING THE POINTS SO ESTABLISHED TO FORM THE SIGHT TRIANGLE AREA.
3.	SIGHT TRIANGLES AT THE INTERSECTION OF A PUBLIC STREET AND A PRIVATE ACCESS WAY (EXCEPT FOR
\./	SINGLE FAMILY RESIDENCES) SHALL ALSO BE FORMED AS OUTLINED IN NOTE #2 ABOVE.
WAR 1.	RANTY: ALL PLANT MATERIAL (EXCLUDING GROUND COVER, PERENNIALS AND ANNUALS) ARE TO BE WARRANTED
- L -	FOR A PERIOD OF 12 MONTHS AFTER INSTALLATION AT 100% OF THE INSTALLED PRICE.
	ANY PLANT MATERIAL FOUND TO BE DEFECTIVE SHALL BE REMOVED AND REPLACED WITHIN 30 DAYS OF
	NOTIFICATION OR IN GROWTH SEASON DETERMINED TO BE BEST FOR THE PLANT.
2. 3.	ONLY ONE REPLACEMENT PER TREE OR SHRUB SHALL BE REQUIRED AT THE END OF THE WARRANTY PERIOD, UNLESS LOSS IS DUE TO FAILURE TO COMPLY WITH WARRANTY.
2. 3.	ONLY ONE REPLACEMENT PER TREE OR SHRUB SHALL BE REQUIRED AT THE END OF THE WARRANTY PERIOD,

- LANDSCAPE PLAN REQUIREMENTS
- 1. REQUIRED FRONT YARD LANDSCAPING A. ONE TREE SHALL BE PLANTED FOR EACH 30 FEET OF STREET FRONTAGE B. ONE SHRUB REQUIRED FOR EACH 20 FEET OF STREET FRONTAGE
- 2. REQUIRED OPEN YARD LANDSCAPING
- A. ONE TREE FOR EVERY 5,000 SQ. FT. OF LOT AREA NOT COVERED BY BUILDINGS/STRUCTURES B. TWO SHRUBS PER 5,000 SQ. FT. OF TOTAL LOT AREA
- 3. REQUIRED TRASH STORAGE CONTAINER LANDSCAPING A. REFER TO LANDSCAPE PLAN FOR SCREENING OF TRASH ENCLOSURE.
- 1. PROVIDED FRONT YARD LANDSCAPING
- A. TREES PROVIDED 74.55' OF STREET FRONTAGE / 30 FEET = 3 TREES PROVIDED B. SHRUBS PROVIDED- 74.55' OF STREET FRONTAGE / 20 FEET = 4 SHRUBS PROVIDED
- 2. PROVIDED OPEN YARD LANDSCAPING A. TREES PROVIDED- 92,014 SQ. FT. - 14,100 BLDG SQ. FT. = 77,917 SQ. FT. / 5,000 SQ. FT. = 17 EX TREES B. SHRUBS PROVIDED- 92,014 SQ. FT. / 5,000 SQ. FT = 18.4 x 2 = 37 SHRUBS PROVIDED
- 3. REQUIRED TRASH STORAGE CONTAINER LANDSCAPING A. REFER TO LANDSCAPE PLAN - 10 EMERALD ARBORVITAE PROVIDED



SEED AND MULCH WITH GUARANTEE FOR ESTABLISHMENT OF GRASS WTIHIN 3-6 MONTHS.

NARIS` PALD` DW`	<u>COMMON NAME</u> COLUMNAR EUROPEAN HORNBE EMERALD ARBORVITAE LITTLELEAF LINDEN
	COMMON NAME EXISTING TREE
	COMMON NAME

GREEN MOUND BOXWOOD FEATHER REED GRASS COMPACT BURNING BUSH DIABLO NINEBARK GRO-LOW FRAGRANT SUMAC DWARF KOREAN LILAC KOREAN SPICE VIBURNUM

BUFFALO GRASS

COMMON NAME

SOFT RUSH

BEAM B & B 15 GAL 3"CAL B & B 3"CAL  $\sim$ <u>CONT</u> EXISTING <u>Cal.</u> Varies

<u>SIZE</u> 3 GAL

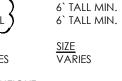
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3 GAL

CONT

SOD

4"POT



MIN. HEIGHT

<u>SIZE</u> VARIES

<u>SIZE</u> 6` TALL MIN.

Sheet Number L-100

Project No.	2008920
Drawn By	Z. KUNTZ/A. JONES
Checked By	M.FOGARTY
NOT RELEASED FOR	R CONSTRUCTION

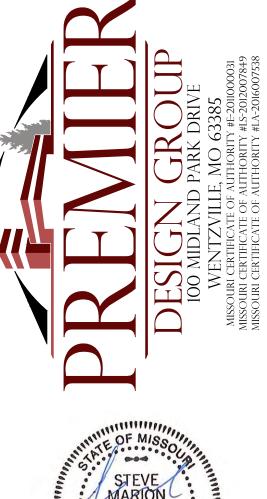
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STEVEN D. MARION P.E. PROFESSIONAL ENGINEER PE 2006007195

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