



MBI COMPANIES INC.
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KNOXVILLE, TN 37919

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SEAL

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CONSTRUCTION OR
CONSTRUCTION

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PROJECT:

NEW MARKET FOR KENJO MARKET -RUTLEDGE PIKE

PROJECT ADDRESS:

4315 RUTLEDGE PIKE KNOXVILLE, TN

AS-BUILT RECORD SET

PROJECT NO.: 200558

ACTIVE DESIGN PHASE

FOR REVIEW ONLY

FOR PERMITTING ONLY

SCHEMATIC DESIGN

DESIGN DEVELOPMENT

CONSTRUCTION BIDDING

CONSTRUCTION DOCUMENTS

REVISION INFORMATION

KEY PLAN

SHEET INFORMATION
SHEET ISSUED:

9-B-21-SU

8/23/2021

DESIGNED BY:

Designer

DRAWN BY:

REVIEWED BY:

Checker

SHEET TITLE:

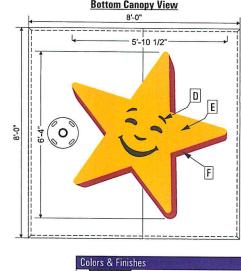
EXTERIOR ELEVATIONS

A401

Breakaway Canopy

Stock Code HAR-V2-DTC135-B





		F	
	Colors & Finis	shes	Ĭ
	A	Paint SW Tricorn Black	
	В	PMS 123C Yellow	_
£	C	Paint SW Tricorn Black	
	D	Opaque Black Vinyl	
_	E	3M #3630-125 Golden Yellow Vinyl	
-			ı

Rev # 1 - MBJ 12-4-19 Changed Canopy Color Rev # 2 - MBJ 12-9-19 Changed Clearance Bar Color Rev # 3 - MBJ 12-10-19 Added New Speaker Box Rev # 4 - LR 1-21-20 updated colors Rev # 5 - MBJ 02-25-20 Updated Speaker Box **Dimensions**

3M 3630-73 Red Vinyl

9-B-21-SU 8/23/2021





27"

16.5"

5.75"

- 9" +

Designer: CM	Date: 4/2/20	Option # 1 - CM
Client: Hardee's		
File Path: 7/restar	rant/Hardoos/	

9'8" To Bottom Of Bar

Fabricated aluminum canopy painted SW Tricorn Black

- 2" dia. round clearance bar painted "red" with surface applied "yellow" vinyl - Copy weeded out of "yellow" vinyl to show

☐ Proof Is Approved. Proceed With Production Of Order

.177 clear polycarbonate face w/2nd surface vinyl graphics

27"

16.5"

 $\ \square$ Proof Is Approved With Corrections. Make Corrections As Indicated And Proceed With Production Of Order

Signature: have reviewed this proof in regard to: Sign type; order quantity; and accuracy of icons, symbols, and text (e.g. spelling capitalization, punctuation). Print Name: Date:





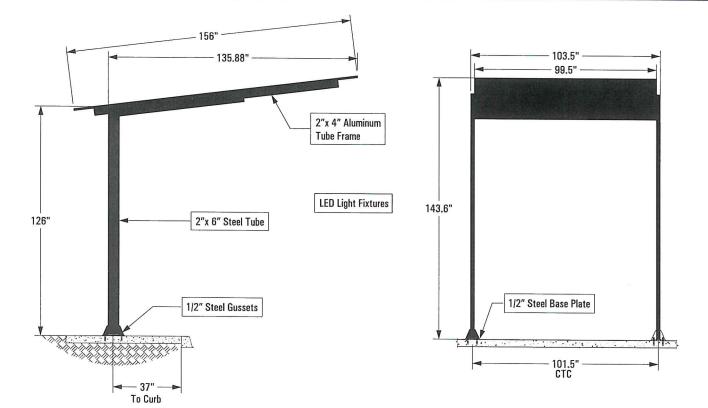




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Drive Thru Canopy

Stock Code HAR-V2-DTC126-DP



SW Tricorn Black

Colors & Finishes

Notes

19-10-00 P	Rev 1- LR 11-14-19 updated to match eng.	
Rev 3	Rev 2 - JH 12-4-19 Removed callout for Solarspace, updated materials	
Rev 4	Rev 3	
ITCV T	Rev 4	

9-B-21-SU 8/23/2021



Designer: CM	Date: 7-22-19	Option # 1 - CM	
Client: Hardee's			
File Path: 7/restar	rant/Hardoos/		

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 $\hfill\Box$ Proof Is Approved With Corrections. Make Corrections As Indicated And Proceed With Production Of Order



Date:_

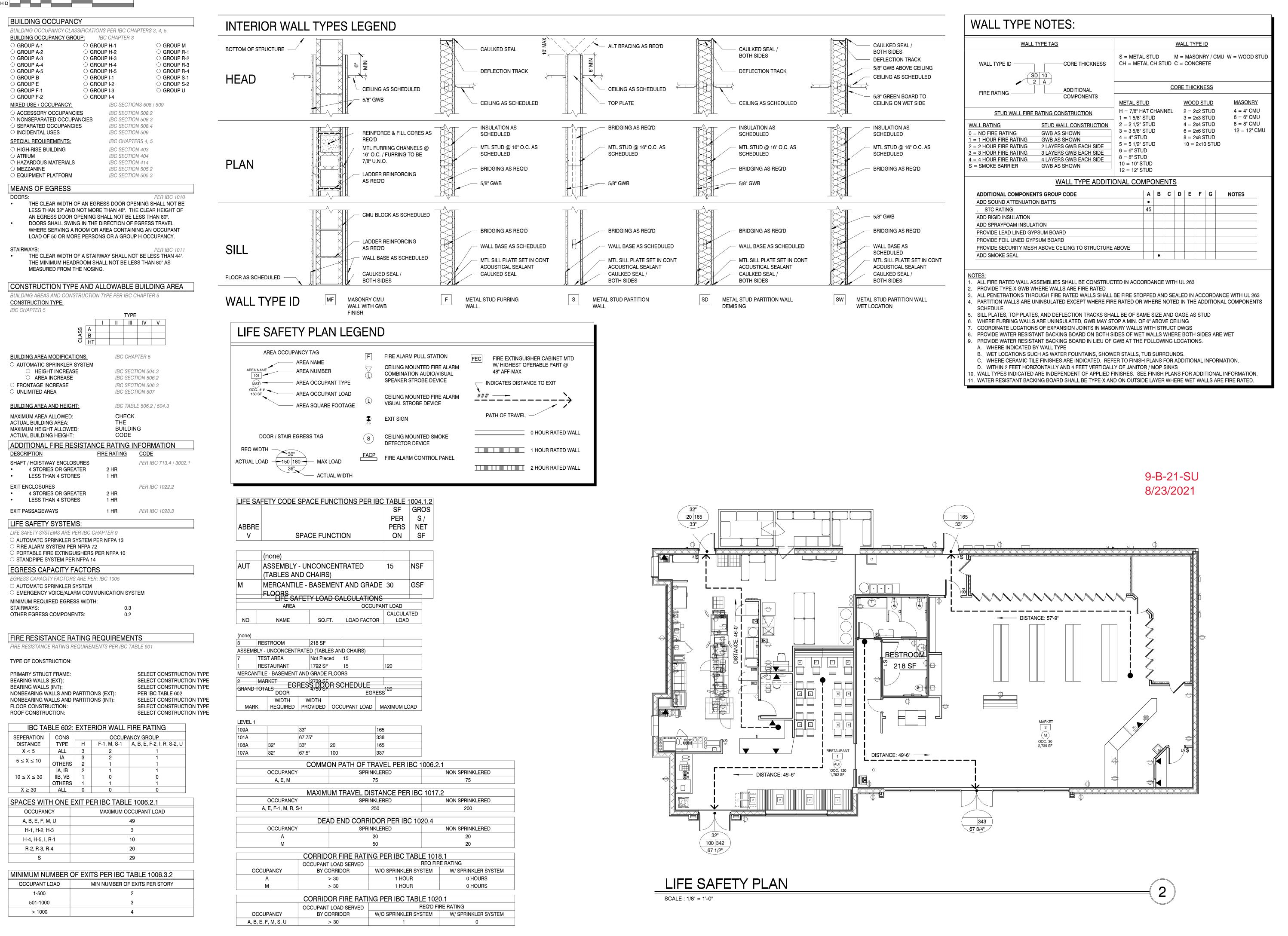








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CONSULTANT

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PROJECT:

NEW MARKET FOR KENJO MARKET -RUTLEDGE PIKE

PROJECT ADDRESS:

4315 RUTLEDGE PIK KNOXVII I F. TI

KNOXVILLE, T
PROJECT NO.: 20055

ACTIVE DESIGN PHASE

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AS-BUILT RECORD SE
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KEY PLAN

SHEET NO.:

SHEET INFORMATION

SHEET ISSUED: 4/15/2021

DESIGNED BY: Designer

DRAWN BY: Author

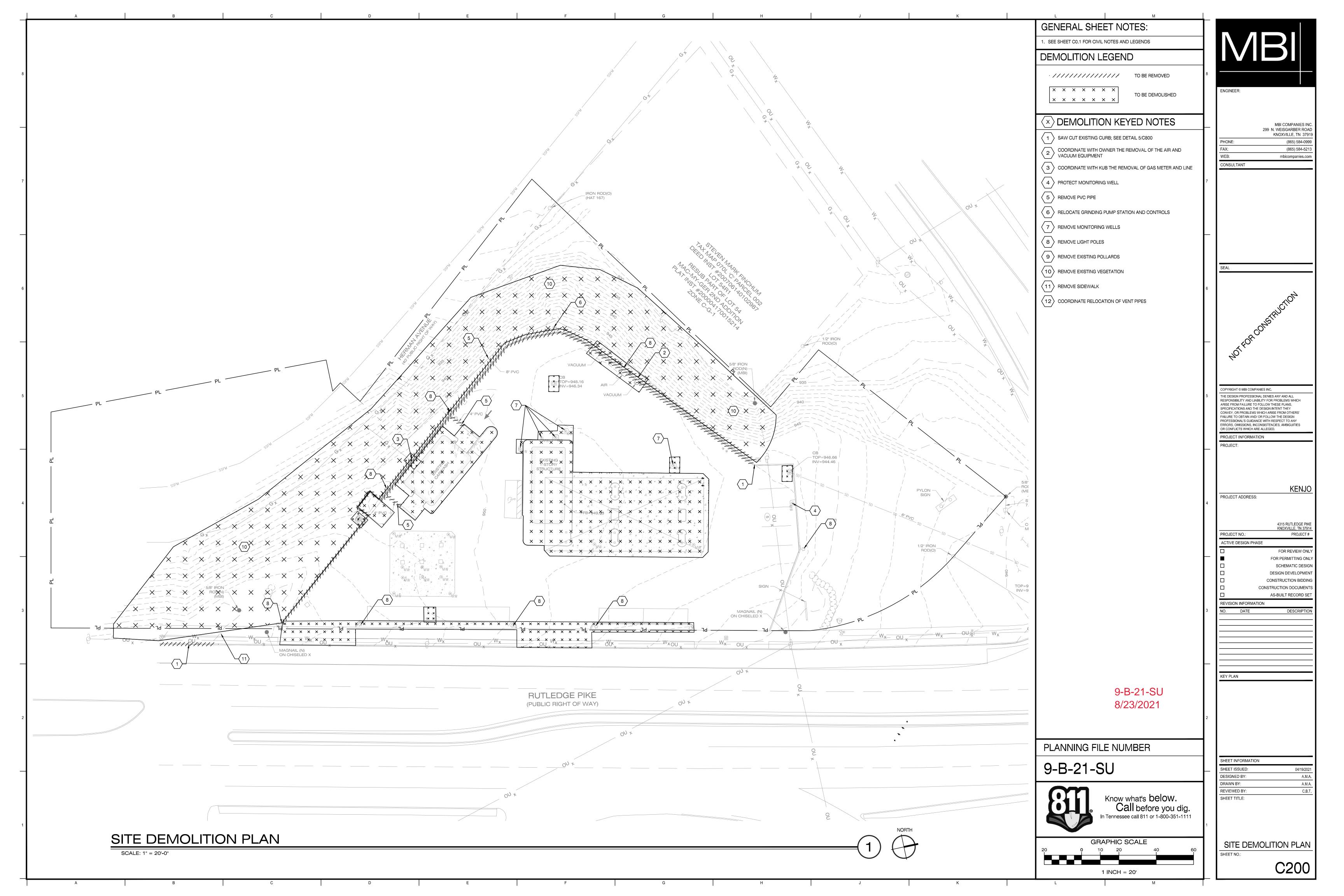
REVIEWED BY: Checker

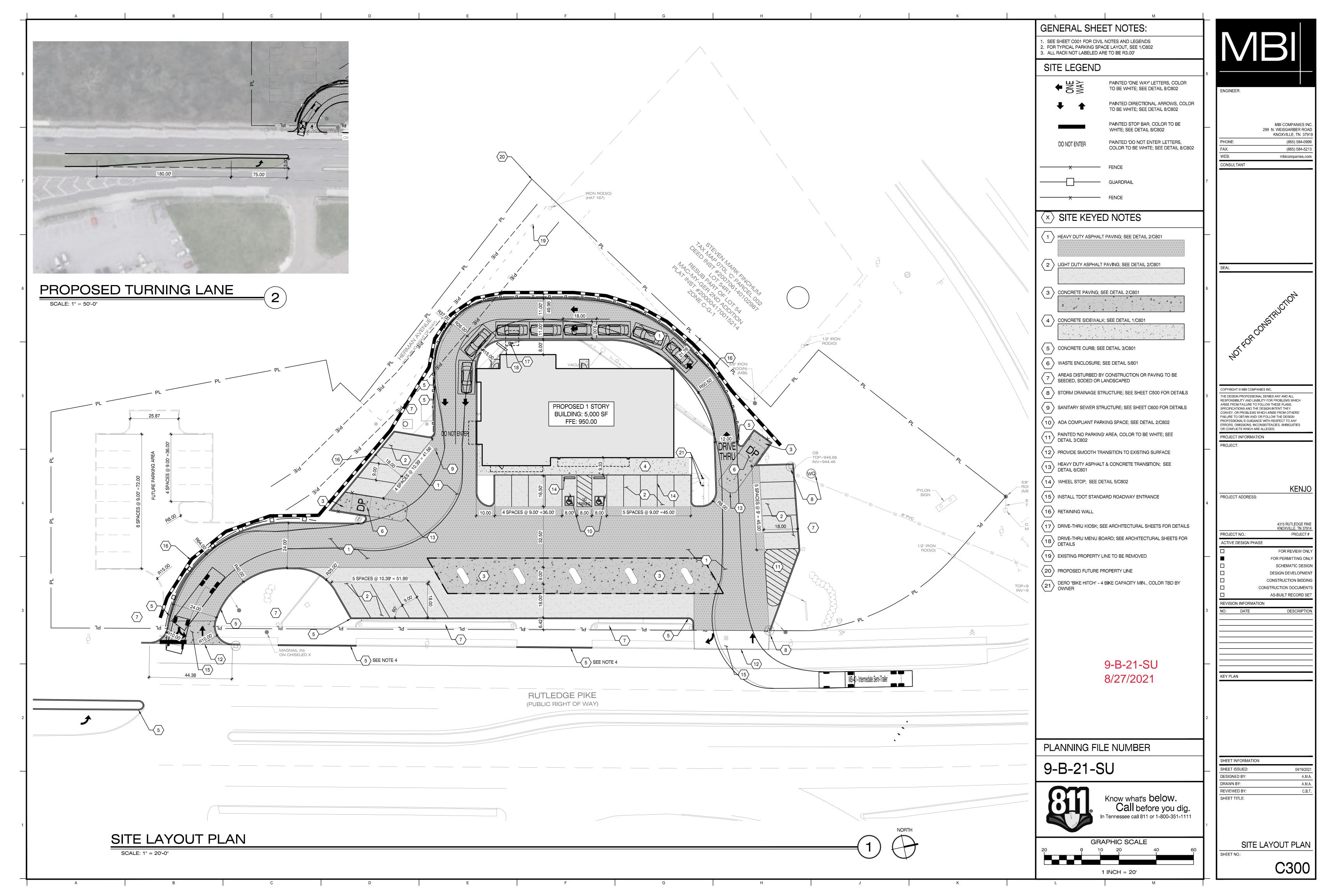
SHEET TITLE:

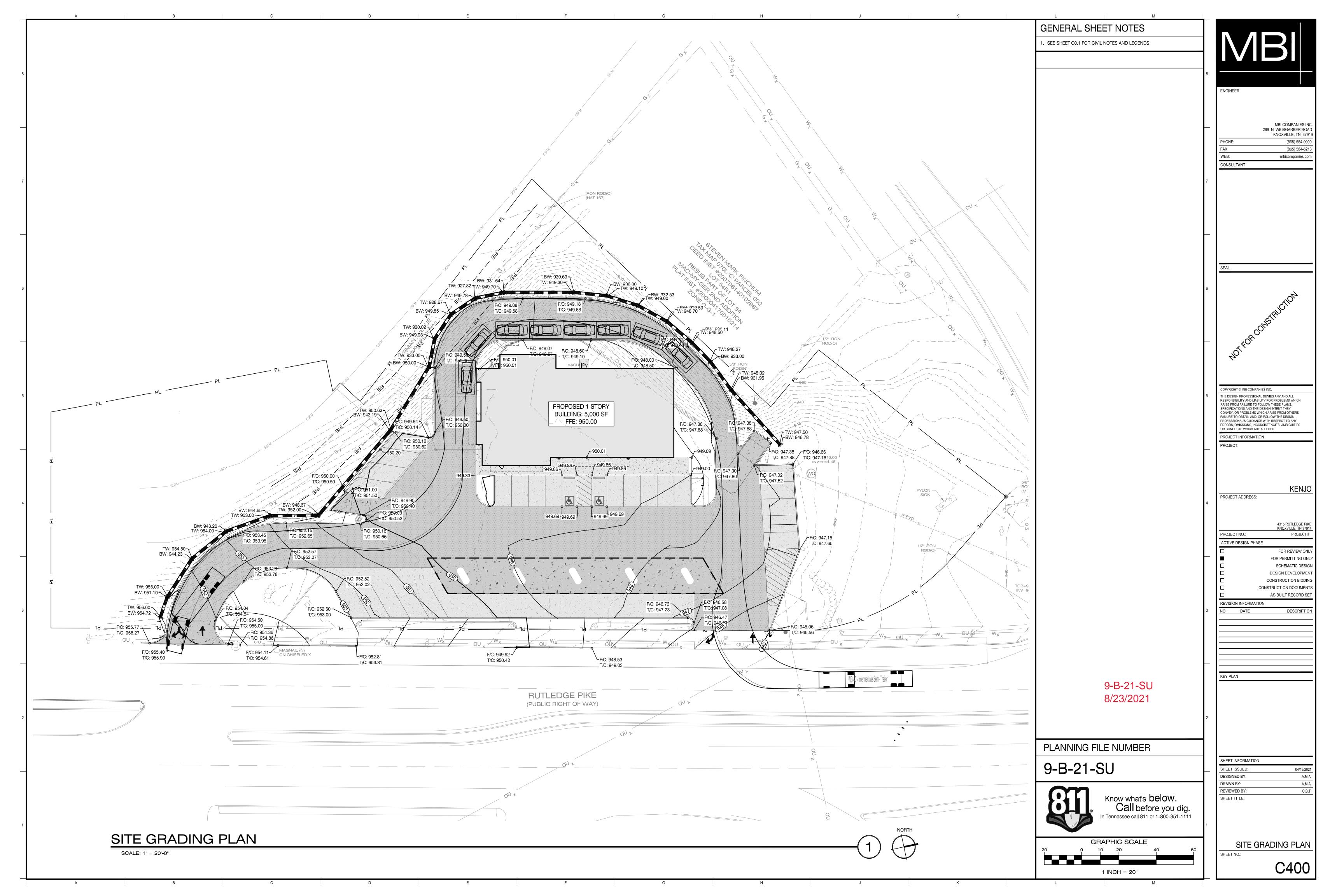
LIFE SAFETY INFORMATION

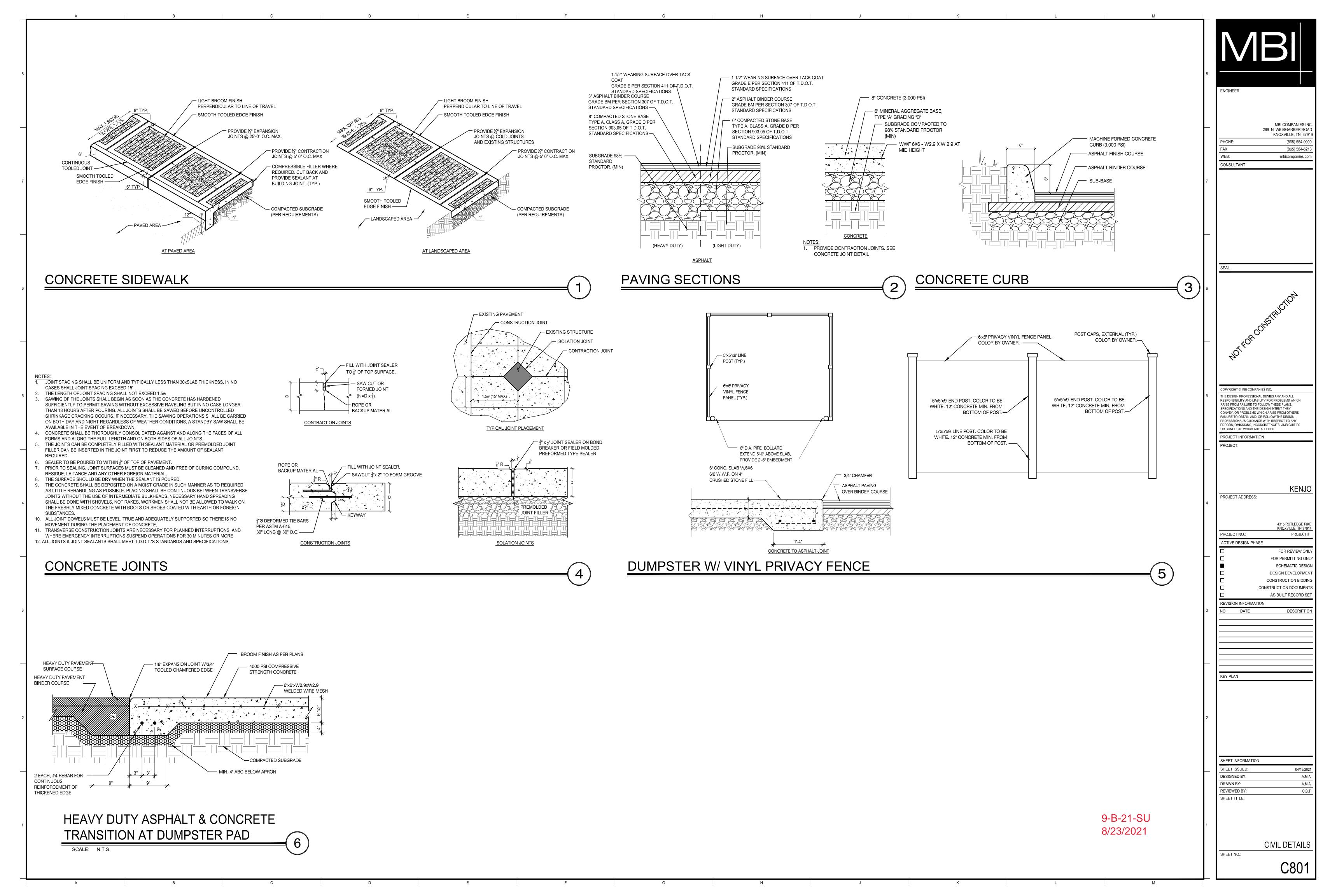
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A001









A B C		F G H		
	EROSION CONTROL NOTES	ABBREVIATIONS	EXISTING LEGEND PROPOSED	AREAS & CALCULATIONS
COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY A.G.C. OF AMERICA, INC. AND THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION ISSUED BY THE U.S.	UNLESS SHOWN OTHERWISE, ALL DISTURBED AREAS NOT ULTIMATELY RECEIVING A HARD SURFACE SHALL HAVE A MINIMUM DEPTH OF 5" OF TOPSOIL AND BE STABILIZED WITH GRASS. THE CONTRACTOR IS DESCRIPTING AND APPLICABLE PERMITS AND COMPLYING WITH ALL APPLICABLE.	NOTE: ALL ABBREVIATIONS MAY NOT APPLY TO THIS PROJECT		IMPERVIOUS AREA
DEPARTMENT OF LABOR, 29 CFR 1926 OSHA. THE APPROPRIATE TRAFFIC CONTROL SIGNS AS DEFINED BY THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES,	2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS AND COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS RELATED TO SITE GRADING, EROSION AND SEDIMENTATION CONTROL, AND	& AND AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS	— — — P/E — EASEMENT — — — C/E —	EXISTING PROPOSED TOTAL INCREASE 0.49 Acres 0.98 Acres 0.49 Acres
F.H.W.A., 2003", SHALL BE INSTALLED AT THE INCEPTION OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND/OR OPERATED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS	STORMWATER RUNOFF. 3. FURNISH, ERECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES IN CONFORMITY WITH THE	AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS ADA AMERICANS WITH DISABILITIES ACT APP'D APPROVED	——————————————————————————————————————	21230.00 sqft 42891.00 sqft 21661.00 sqft
LONG AS THEY ARE NEEDED AND SHALL BE REMOVED IMMEDIATELY AFTER NEED. NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM THEIR	TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK, FOURTH EDITION, AS PREPARED BY TDEC. SEE PLAN AND DETAILS FOR SPECIFIC EROSION AND SEDIMENTATION CONTROL MEASURES.	APPROVED APPROX. OR ~ APPROXIMATE ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS	——————————————————————————————————————	TOTAL SITE AREA DISTURBED AREA 8
RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC. VERIFY THE LOCATIONS OF ALL PROPOSED ITEMS PRIOR TO COMMENCING CONSTRUCTION. NOTIFY A/E IMMEDIATELY	4. EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THIS PLAN ARE A MINIMUM REQUIREMENT. MAINTAIN, MODIFY AND ADD EROSION AND SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION AS NECESSARY TO	ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS ASPH. ASPHALT ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS		1.68 Acres 0.98 Acres 73305 saft 42658.00 saft
OF ANY DISCREPANCIES BEFORE STARTING WORK. COMMENCEMENT OF CONSTRUCTION AFTER SUCH DISCOVERY SHALL BE AT THE CONTRACTOR'S RISK.	PREVENT SEDIMENT FROM LEAVING THE SITE. 5. EROSION AND SEDIMENTATION CONTROL IMPLEMENTATION:	AWWA AMERICAN WATER WORKS ASSOCIATION	SS x — SANITARY SEWER — SS — SS	73305 sqft 42658.00 sqft ENGINEER:
ANY AREA THAT IS DISTURBED OUTSIDE THE LIMITS OF CONSTRUCTION DURING THE LIFE OF THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE.	A. TEMPORARY EROSION AND SEDIMENTATION CONTROL: PROVIDE MEASURES TO PREVENT SOIL EROSION AND	B/C BACK OF CURB BLDG. BUILDING	G _X GAS PIPING G	RESTAURANTS;
EMOLITION NOTES	DISCHARGE OF SOIL-BEARING WATER RUNOFF AND AIRBORNE DUST TO UNDISTURBED AREAS AND TO ADJACENT PROPERTIES AND WALKWAYS, ACCORDING TO THE SITE EROSION AND SEDIMENTATION CONTROL DRAWINGS	BLVD. BOULEVARD BM BENCHMARK	W _X WATER LINE W OU OVERHEAD UTILITIES OU OU	MIN 4 SPACES PER 1000 GFA MAX 8 SPACES PER 1000 GFA
DO ALL DEMOLITION WORK REQUIRED TO REMOVE EXISTING MASONRY WALLS, PAVING, FOUNDATIONS, CONCRETE SLABS, EXISTING UNDERGROUND PIPING, CONDUIT, BUILDING FINISHES, DOORS, WINDOWS AS SHOWN ON THE	B. BEGIN SITE GRADING C. VERIFY THAT FLOWS OF WATER REDIRECTED FROM CONSTRUCTION AREAS OR GENERATED BY CONSTRUCTION ACTIVITY OF NOTE OF STREET, OR SHANT, PROTECTION TONICS.	B/W BOTTOM OF WALL	UE UE UE	(1792 GFA /1000)*4 = 7.16 ~ 8 SPACES REQUIRED MBI COMPANIES 299 N. WEISGARBER ROOM
DRAWINGS AND ANY OTHER NECESSARY ITEMS TO INSTALL THE PROPOSED WORK. CONTRACTORS SUBMITTING PROPOSALS SHALL DETERMINE THE QUANTITIES OF DEMOLITION WORK REQUIRED BY	CONSTRUCTION ACTIVITY DO NOT ENTER OR CROSS TREE- OR PLANT- PROTECTION ZONES. D. INSPECT, REPAIR, AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION UNITED REPAIR OF TAXION LIAS BEEN ESTABLISHED.	Δ CURVE DELTA ANGLE CB CATCH BASIN	TELEPHONE/COMM.	CONVENIENCE STORE WITH GAS; MIN 6 SPACES PER 1000 GFA MAY 10 SPACES PER 1000 GFA PHONE: (865) 584-1
FIELD INVESTIGATION OF THE BUILDING AND SITE. SUBMIT A DEMOLITION SCHEDULE TO THE PROJECT MANAGER PRIOR TO EXECUTION OF THE WORK, INDICATE	CONSTRUCTION UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. E. CLEAN, REPAIR, AND RESTORE ADJOINING PROPERTIES AND ROADS AFFECTED BY EROSION AND SERVICE OF THE PROPERTY O	CFS CUBIC FEET PER SECOND CGP CONSTRUCTION GENERAL PERMIT	SD X STORM SEWER SD SD	MAX 12 SPACES PER 1000 GFA (2739 GFA /1000)*6 = 16.6 ~ 17 SPACES REQUIRED FAX: (865) 584-
PROPOSED METHODS AND SEQUENCE OF OPERATIONS. INCLUDE PROPOSAL FOR CONTROL OF DUST AND NOISE, AND COORDINATION FOR SHUT-OFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.	SEDIMENTATION FROM THE PROJECT SITE DURING THE COURSE OF THE PROJECT. OBTAIN PERMISSION AND APPROPRIATE PERMITS TO ACCESS AREAS OUTSIDE THIS SITE.	CI CURB INLET C CENTERLINE	ROOF DRAINS — RD — F — F — F — F — F — RD — F — RD — F — RD — RD	REQUIRED PROVIDED WEB: mbicompanies.
MAINTAIN TEMPORARY BARRICADES FOR PROTECTION OF JOB PERSONNEL AND THE PUBLIC. REMOVE BARRICADES WHEN NO LONGER REQUIRED.	F. AFTER FINAL STABILIZATION OF THE SITE, REMOVE EROSION AND SEDIMENTATION CONTROLS AND RESTORE AND STABILIZE AREAS DISTURBED DURING REMOVAL.	C CENTERLINE CMP CORRUGATED METAL PIPE CMU CONCRETE MASONRY UNIT	FIRE SUPPRESSION LINE — F— SSFM— SSF	REGULAR 23 REGULAR 23
CONDUCT OPERATIONS IN SUCH A MANNER AS TO MINIMIZE INTERFERENCE WITH USE OF PUBLIC WAYS AND	G. STORMWATER CONTROL: COMPLY WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. PROVIDE BARRIERS IN AND AROUND EXCAVATIONS AND SUBGRADE CONSTRUCTION TO PREVENT FLOODING BY RUNOFF OF	CMU CONCRETE MASONRY UNIT C.O. CLEANOUT COK CITY OF KNOXVILLE	SILT FENCE ———————————————————————————————————	ACCESSIBLE 02 ACCESSIBLE 02 7 TOTAL 25 TOTAL 25
ADJACENT USED FACILITIES. DO NOT CLOSE, BLOCK OR OTHERWISE OBSTRUCT USE OF PUBLIC WAYS OR FACILITIES WITHOUT WRITTEN CONSENT OF AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATIVE ROUTES TO CLOSED OR OBSTRUCTED FACILITIES AS REQUIRED BY LOCAL REGULATIONS	STORMWATER FROM HEAVY RAINS. H. PROJECT MANAGER OR ENGINEER MAY DIRECT CONTRACTOR TO LIMIT SURFACE AREA OF ERODIBLE EARTH	COR CITY OF KNOXVILLE CONC. CONCRETE CONT. CONTINUOUS	REINFORCED SILT FENCE ———————————————————————————————————	BICYCLE PARKING CALCULATION
OBSTRUCTED FACILITIES AS REQUIRED BY LOCAL REGULATIONS. EXISTING UTILITIES INDICATED TO REMAIN SHALL BE KEPT IN SERVICE AND PROTECTED FROM DAMAGE DURING	MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, BORROW AND EMBANKMENT OPERATIONS AND MAY DIRECT CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY POLLUTION	° DEGREES	CONSTRUCTION LIMITS — — — — —	<50 VEHICLE PARKING SPACES = 4 REQUIRED BICYCLE PARKING SPACES REQUIRED PROVIDED
DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES USED OR OCCUPIED FACILITIES UNLESS AUTHORIZED IN WRITING BY AUTHORIZIES HAVING IURISPICTION IS INTERPRINTION IS ALLOWED, PROVIDE AUTERNATIVE TEMPORARY SERVICES	CONTROL MEASURES. I. PROVIDE PERMANENT EROSION CONTROL MEASURES AT EARLIEST PRACTICAL TIME TO MINIMIZE	DCB DOUBLE CATCH BASIN DIA. OR Ø DIAMETER DIB DICTILE IDON PIRE	SETBACK — — — —	TOTAL 4 TOTAL 4
AUTHORITIES HAVING JURISDICTION IF INTERRUPTION IS ALLOWED, PROVIDE ALTERNATIVE TEMPORARY SERVICES ACCEPTABLE TO GOVERNING AUTHORITIES.	REQUIREMENT FOR TEMPORARY EROSION CONTROLS. PERMANENTLY SEED AND MULCH CUT SLOPES AS EXCAVATION PROCEEDS.	DIP DUCTILE IRON PIPE DWG. DRAWING	EXISTING TO BE REMOVED ://///// DRAINAGE SWALE — - •• — - • • —	PROPERTY INFORMATION
LOCATE, IDENTIFY, SHUT OFF, CAP AND DISCONNECT UTILITIES AT PROPERTY LINE OR VALVE AS REQUIRED. PROVIDE BY-PASS CONNECTIONS AS REQUIRED TO MAINTAIN SERVICES TO ADJACENT PROPERTIES AND FACILITIES. PROVIDE A	J. MAINTAIN TEMPORARY EROSION CONTROL SYSTEMS INSTALLED BY CONTRACTOR AS DIRECTED BY PROJECT MANAGER OR ENGINEER TO CONTROL SILTATION AT ALL TIMES THROUGHOUT WORK. PROVIDE	E EAST	CHECK DAM — → → → → →	OWNER
MINIMUM OF 72 HOURS ADVANCE NOTICE TO PROPERTY OWNERS IF SHUT-DOWN OF SERVICES IS REQUIRED DURING THE CHANGE-OVER.	MAINTENANCE OR ADDITIONAL WORK DIRECTED BY ENGINEER WITHIN 48 HOURS OF NOTIFICATION BY ENGINEER.	EA. EACH E.F. EACH FACE	DIVERSION DITCH ————————————————————————————————————	NAME: DOWNEY OIL COMPANY INC
COORDINATE WITH ALL UTILITY COMPANIES 48 HOURS PRIOR TO ANY DEMOLITION WORK. REMOVE DEBRIS, RUBBISH, AND OTHER SUBSTANCES FROM SITE. LEGALLY TRANSPORT AND DISPOSE OF SUCH	7. EROSION CONTROL SHALL BE MAINTAINED UNTIL PAVING IS COMPLETED AND LAWNS HAVE BEEN ESTABLISHED. PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM EROSION AND SEDIMENT DAMAGE THROUGHOUT T	EIP EXISTING IRON PIPE EL. OR ELEV. ELEVATION	TUBES AND WATTLES —) —) —)	CONTACT: WES CARRUTHERS, OWNER ADDRESS: PO BOX 4848
MATERIALS OFF-SITE. BURYING OR BURNING OF MATERIALS ON THE PROJECT SITE IS FORBIDDEN.	HE LIFE OF THE PROJECT	EOP EDGE OF PAVEMENT EPA ENVIRONMENTAL PROTECTION AGENCY	CURBLINE	MARYVILLE, TN 37802
AVAILABILITY FOR DEMOLITION MUST BE CONFIRMED BY OWNER JUST PRIOR TO DEMOLITION. THE USE OF EXPLOSIVES IS STRICTLY PROHIBITED.	8. STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT SOIL STABILIZATION AT	ETC. ET CETERA E.W. EACH WAY	CURBLINE	PROPERTY DATA
HISTORIC ARTIFACTS, INCLUDING CORNERSTONES, THEIR CONTENTS, COMMEMORATIVE PLAQUES AND TABLETS, ANTIQUES, AND OTHER ITEMS OF SIGNIFICANCE SHALL REMAIN THE PROPERTY OF THE OWNER. NOTIFY OWNERS	THE CONSTRUCTION SITE (OR PHASE OF THE PROJECT) MUST BE COMPLETED NO LATER THAN 14 DAYS AFTER THE	EX. OR EXIST. EXISTING	BUILDING	ADDRESS: 4315 RUTLEDGE PIKE
REPRESENTATIVE IF SUCH ARTICLES ARE ENCOUNTERED. OBTAIN APPROVAL REGARDING METHOD OF REMOVAL. SALVAGE SUCH ARTICLES AND TURN OVER TO OWNER.	CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED NOT LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE AS	F/C FACE OF CURB FFE FINISHED FLOOR ELEVATION	TENCE X VEGETATION	KNOXVILLE - 37914
F HAZARDOUS MATERIALS ARE ENCOUNTERED, COMPLY WITH APPLICABLE REGULATIONS IN HANDLING, REMOVING,	TEMPORARILY OR PERMANENTLY CEASED. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE, NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS	FIN. FINISHED FLOOR ELEVATION FIN. FINE PROTECTION		MAP: 70 PARCEL ID: 070LC001
IND PROTECTING AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION. EGRADE ALL AREAS WHERE DEMOLITION HAS OCCURRED. PROVIDE SMOOTH TRANSITION BETWEEN EXISTING AND	PRACTICABLE. UNPACKED GRAVEL CONTAINING FINES OR CRUSHER RUNS WILL NOT BE CONSIDERED A NON-ERODING SURFACE.	FT. FEET	SEWER MANHOLE (S)	ZONING: C-N
EW GRADING, THERE SHALL NOT BE ANY VOIDS, PITS, OR MOUNDING OF EARTHWORK.	 ALL WATER DISCHARGED FROM EXCAVATIONS SHALL BE FILTERED USING SEDIMENT CONTROLS ACCEPTABLE TO TDEC AS WELL AS LENOIR CITY. 	GC GENERAL CONTRACTOR	GT GREASE TRAP (GT)	VERTICAL DATUM: NAVD 88
E NOTES	10. UNLESS OTHERWISE NOTED, RIP-RAP SHALL BE T.D.O.T. MACHINED CLASS A-1 WITH A MEDIAN RIP-RAP SIZE D50 OF 6", 9" THICK AND SHALL BE UNDERLAIN WITH A NON-WOVEN GEOTEXTILE FABRIC.	GI GRATE INLET GPM GALLONS PER MINUTE GV GAS VALVE	STORM MANHOLE (ST)	SETBACKS: 15' FRONT 20' REAR
WHERE PROPOSED PAVEMENT ABUTS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE CUT IN A NEAT STRAIGHT LINE THROUGH PAVEMENT AND BASE. PROVIDE A SMOOTH TRANSITION.	 CONCRETE WASHOUT AREA SHALL BE IN CONFORMANCE WITH STANDARDS OF TDEC. AT THE END OF THE PROJECT, DURING FINAL SITE STABILIZATION, DEWATER TEMPORARY SEDIMENT PONDS AND TRAPS 	GV GAS VALVE	JB) JUNCTION BOX JB)	00' SIDE
NSTALL EXPANSION JOINT MATERIAL BETWEEN NEW AND EXISTING CONCRETE AND/OR ASPHALT. MAINTAIN AND PROTECT EXISTING PAVEMENT OR GRAVEL SURFACES WHICH ARE TO REMAIN. CONTRACTOR SHALL	IN CONFORMANCE WITH STANDARDS OF TDEC, REMOVE ALL TEMPORARY EROSION CONTROLS AT THE END OF THE PROJECT	H HORIZONTAL HDPE HIGH DENSITY POLYETHYLENE	CATCH BASIN	
REPLACE DAMAGED AREAS, MATCHING DEPTH, MATERIAL AND GRADE OF EXISTING SURFACES. DIMENSIONS SHOWN ARE TO FACE OF CURB, CENTER OF COLUMN, EDGE OF BUILDING EXTERIOR OR CENTER OF		HP HIGH POINT HP HDPE HIGH PERFORMANCE HIGH DENSITY POLYETHYLENE	CURB INLET	
PAINTED STRIPES	UTILITY NOTES	HWY. HIGHWAY	THROATED INLET	COPYRIGHT © MBI COMPANIES INC. THE DESIGN PROFESSIONAL DENIES ANY AND ALL
SPECIFICATIONS AND DETAILS BEFORE POURING CONCRETE.	1. COORDINATE WITH EXISTING UTILITIES AND STORM SEWER INSTALLATION TO AVOID CONFLICTS . UTILITY	ID INSIDE DIAMETER OR INLINE DRAIN IN. INCH(ES)	© CLEAN OUT ©	THE DESIGN PROFESSIONAL DENIES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, DESIGNATIONAL AND THE PERSON WITCH THESE PLANS.
	INSTALLATION AND MATERIAL SHALL MEET THE REQUIREMENTS OF KNOXVILLE UTILITIES BOARD AND ALL APPLICABLE CODES. COORDINATE WITH KNOXVILLE UTILITIES BOARD PRIOR TO CONSTRUCTION TO DETERMINE	INV. INVERT IPF IRON PIN FOUND	HEADWALL 🛫	SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/ OR FOLLOW THE DESIGN
BOUNDARY AND TOPOGRAPHIC INFORMATION WAS PREPARED BY MBI COMPANIES, 299 N. WEISGARBER ROAD, KNOXVILLE TN 37919. SURVEY PERFORMED 05/12/2021.	MATERIAL, INSTALLATION TESTING AND INSPECTION REQUIREMENTS. VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.	JB JUNCTION BOX	XXX.XX × SPOT GRADE XXX.XX -	FAILURE TO OBTAIN AND/OR FULLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
COORDINATES ARE IN FEET AND REFERENCE TO TENNESSEE STATE PLANE SYSTEM OF 1983 . BEARINGS SHOWN ARE BASED ON MAGNETIC NORTH.	 PAVEMENT REPAIR AND TRAFFIC CONTROL SHALL MEET THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION. 	KUB KNOXVILLE UTILITIES BOARD	OUTFALL	OR CONFLICTS WHICH ARE ALLEGED. PROJECT INFORMATION
THE VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) . FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ON	3. COORDINATE LOCATION OF GAS LINE TO AVOID CONFLICTS WITH OTHER UTILITIES. CONNECTION TO EXISTING GAS SERVICE SHALL MEET THE REQUIREMENTS OF KNOXVILLE UTILITIES BOARD . CONTACT KNOXVILLE UTILITIES	L LENGTH	RIPRAP OUTLET PROTECTION	PROJECT:
DRAWINGS ARE APPROXIMATE IN DEPTH AND LOCATION. REPAIR EXISTING UTILITIES DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.	BOARD AND COORDINATE INSTALLATION. 4. GAS METER AND SUPPLY LINE SHALL BE SIZED AND INSTALLED BY KNOXVILLE UTILITIES BOARD FOR THE LOADS	LBS. POUNDS LF LINEAR FEET	TEMP. CONSTRUCTION EXIT	
ADING NOTES	SHOWN ON THE PLUMBING DRAWINGS. PROVIDE 4" SLEEVE UNDER PAVED AREAS. 5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY AND ALL PERMITS AND LICENSES REQUIRED TO	MAX. MAXIMUM	INLET PROTECTION	
	WORK IN THE PUBLIC R.O.W. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TAP FEES AND COORDINATION WITH KNOXVILLE UTILITIES BOARD TO ESTABLISH WATER AND SEWER SERVICE.	MAX. MAXIMUM MH MANHOLE MIN. MINIMUM	THRUST BLOCK 111	
	6. PROVIDE 10' MIN. HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES. WHERE CROSSINGS OCCUR, PROVIDE 18" MIN SEPARATION BETWEEN WATER AND SEWER LINES. PROVIDE 6" MIN. CLEARANCE BETWEEN STORM	MUTCD MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES MW MONITORING WELL	₩ WATER VALVE	KEN
	SEWERS AND OTHER UTILITIES. UNLESS OTHERWISE NOTED PROVIDE 3' MINIMUM COVER FOR ALL UTILITIES. PROVIDE #57 STONE BEDDING AND BACKFILL TO SUBGRADE FOR ALL UTILITIES LOCATED IN PAVED AREAS.	N NORTH	₩ WATER METER ₩	PROJECT ADDRESS:
	7. ADJUST ALL EXISTING UTILITY STRUCTURES, WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT, TO MATCH FINAL GRADES. ADJUSTMENTS SHALL MEET THE REQUIREMENTS OF KNOXVILLE UTILITIES BOARD.	N/A NOT APPLICABLE NFPA NATIONAL FIRE PROTECTION AGENCY	POST INDICATOR VALVE	
	8. COORDINATE WITH KNOXVILLE UTILITIES BOARD TO REMOVE OR ABANDON EXISTING UTILITIES, WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT, THAT ARE LOCATED WITHIN THE PROJECT LIMITS AND NO	NIC NOT IN CONTRACT NIP NEW IRON PIN	FIRE HYDRANT	4315 RUTLEDGE
	LONGER IN USE. 9. UNLESS OTHERWISE NOTED, ALL SANITARY SEWER PIPE AND FITTINGS SHALL BE PVC MEETING THE REQUIREMENTS	NO. OR # NUMBER NOI NOTICE OF INTENT	FIRE DEPARTMENT CONNECTION A	RNOXVILLE, TN PROJECT NO.: PROJE
	9. UNLESS OTHERWISE NOTED, ALL SANITARY SEWER PIPE AND FITTINGS SHALL BE PVC MEETING THE REQUIREMENTS OF ASTM D 3034. USE SDR 35 UNLESS OTHERWISE SPECIFIED. FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D 3311 AND ASTM D 2665. PIPE SHALL HAVE AN INTEGRAL BELL END WITH GASKET SEAL WHICH HAS BEEN	NPDES NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM N.T.E. NOT TO SCALE	IRRIGATION VALVE	ACTIVE DESIGN PHASE
	REINFORCED WITH A STEEL RING, BAND, OR OTHER RIGID MATERIAL THAT PERMANENTLY LOCKS THE GASKET IN	O.C. ON CENTER	GAS VALVE	FOR REVIEW ☐ FOR PERMITTING
	PLACE. THE JOINT SHALL MEET THE REQUIREMENTS OF ASTM D 3212. GASKETS SHALL BE OF A LOCK-IN TYPE GASKET, REIBER TYPE OR APPROVED SUBSTITUTE, MEETING THE REQUIREMENTS OF ASTM F-477. UNLESS	OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	GM GAS METER G	SCHEMATIC D
	OTHERWISE NOTED, MINIMUM SLOPE SHALL BE 2.0% FOR 4" LINE AND 1.0% FOR 6" LINES. 10. UNLESS OTHERWISE NOTED, ALL WATER LINES SHALL BE AWWA C900 PVC (CLASS 200) WITH BELL END FOR	PIV POST INDICATOR VALVE POB POINT OF BEGINNING (ALIGNMENT)		☐ DESIGN DEVELOP ☐ CONSTRUCTION BIG
	PUSH-ON TYPE JOINTS. JOINTS SHALL CONSIST OF COMPACT PATTERN DUCTILE IRON FITTINGS MEETING THE REQUIREMENTS OF AWWA C 153 WITH RUBBER GASKETS MEETING THE REQUIREMENTS OF AWWA C 111.	POE POINT OF ENDING (ALIGNMENT) PP POWER/UTILITY POLE	EV ELECTRICAL VAULT	CONSTRUCTION DOCUM
	INSTALLATION SHALL COMPLY WITH UL 1285. 11. ALL FIRE WATER LINES SHALL BE CLASS 350 DUCTILE IRON WITH PUSH-ON TYPE JOINTS. PIPE SHALL COMPLY WITH	PSI POUNDS PER SQUARE INCH PVC POLYVINYL CHLORIDE	EM ELECTRIC METER	REVISION INFORMATION
	AWWA C151 AND CEMENT - MORTAR LINING SHALL COMPLY WITH AWWA C104. INSTALLATION SHALL COMPLY WITH AWWA C600.	PVMT PAVEMENT	E ELECTRICAL BOX	3 NO. DATE DESCRI
	12. FIRE LINE SIZE SHALL BE VERIFIED BY SPRINKLER CONTRACTOR. CERTIFIED CALCULATIONS SHALL BE SUBMITTED TO THE OWNER. SEE THE FIRE PROTECTION PLAN FOR FURTHER REQUIREMENTS. ALL FIRE PROTECTION PIPING	Q1 1 YEAR STORM PEAK FLOW Q10 10 YEAR STORM PEAK FLOW	> GW GUY WIRE	
	STARTING FROM THE POINT OF SERVICE MUST BE INSTALLED BY A TENNESSEE REGISTERED SPRINKLER CONTRACTOR.	QLP QUALIFYING LOCAL PROGRAM		
	13. ALL WATER LINE MATERIALS SHALL BE LEAD FREE.	R RADIUS RCP REINFORCED CONCRETE PIPE	T TELEPHONE PEDESTAL	
		RD ROAD	∘ BOLLARD ●	
		REF. REFERENCE REQUID REQUIRED REVISION	SLOPE DRAIN	-
		REV. REVISION R.O.W. RIGHT-OF-WAY	SLOPE MATTING	KEY PLAN
		s south	TEMPORARY STABILIZATION TS	
		SAN. SANITARY SCH. SCHEDULE	PERMANENT STABILIZATION PS	
		SD STORM DRAIN SDR STANDARD DIMENSION RATIO	CONCRETE WASHOUT CW	
		SF SQUARE FEET SPAP SPECIAL POLLUTION ABATEMENT PERMIT	FILTER RING	2
		SQ. SQUARE ST. STREET	⊕ BENCHMARK	
AINAGE NOTES		STA. STATION SS SANITARY SEWER	△ CONTROL POINT	
ELD VERIFY CRITICAL GRADES AT CONNECTION POINTS PRIOR TO CONSTRUCTION OR FABRICATION OF PRECAST		SSFM SANITARY SEWER FORCE MAIN SWPPP STORM WATER POLLUTION PREVENTION PLAN	MAILBOX	
TRUCTURES. NLESS OTHERWISE NOTED, HDPE SHALL BE HANCOR, LANE HDPE, OR ADS N-12 SMOOTH INTERIOR WALL HDPE PIPE.		TBM TEMPORARY BENCH MARK		9-B-21-SU SHEET INFORMATION SHEET ISSUED: 04/1
ROVIDE #57 STONE BEDDING AND BACKFILL TO PAVEMENT SUBGRADE OR 12" ABOVE PIPE IN GRASS AREAS. ALL PIPE ND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M252, TYPE S (4"-10") OR AASHTO M294, TYPE S (12"-48").		TDEC TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION T.D.O.T. TENNESSEE DEPARTMENT OF TRANSPORTATION		8/23/2021 SHEET ISSUED: 04/1 DESIGNED BY:
ASKET SHALL MEET THE REQUIREMENTS OF ASTM F477. INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321. DINTS SHALL BE SILT TIGHT AND NON-RATED WATERTIGHT GASKETS SHALL BE COVERED WITH A REMOVABLE WRAP		THK. THICK TC TOP OF CASTING		DRAWN BY:
Y THE MANUFACTURER TO ENSURE THAT THE GASKET IS FREE FROM DEBRIS.		T/C TOP OF CURB ELEVATION		REVIEWED BY: SHEET TITLE:
		TP TOP OF PAVEMENT ELEVATION T/W TOP OF WALL T/O		
NLESS OTHERWISE NOTED, RCP SHALL BE CLASS III CONFORMING TO ASTM C-76 (LATEST REVISION): STANDARD SPECIFICATION FOR REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE".		TYP. TYPICAL		<u> </u>
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NLESS OTHERWISE NOTED, RCP SHALL BE CLASS III CONFORMING TO ASTM C-76 (LATEST REVISION): STANDARD SPECIFICATION FOR REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE". OOF LEADERS SHALL BE ASTM D3034 SDR 35 PVC WITH GASKET JOINTS. UNLESS OTHERWISE NOTED ON THE PLANS, 'SHALL BE LAID AT A 2% MINIMUM SLOPE AND 6" SHALL BE LAID AT 1% MINIMUM SLOPE.		V VERTICAL W WEST W/ WITH WS WATER SURFACE		Call before you dig. In Tennessee call 811 or 1-800-351-1111 & LEGEN SHEET NO.:
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