



LOCUS PLAN
SCALE: 1"=1,000'±

SITE PLAN SET

FOR

PROPOSED RESTAURANT & RETAIL DEVELOPMENT

1621 MAIN STREET (RTE-9)
LEICESTER, MA 01524

APPROVED BY THE
TOWN OF LEICESTER
PLANNING BOARD
DATE SITE PLAN ENDORSED: _____

PREPARED BY:

**CIVIL DESIGN
GROUP, LLC**

21 HIGH STREET SUITE 207
NORTH ANDOVER, MA 01845
www.cdengineering.com
p: 978-794-5400
f: 978-965-3971
CONTACT: PHILIP HENRY, P.E.

PREPARED FOR:

HY VENTURES LEICESTER, LLC
313 BOSTON POST ROAD WEST
MARLBOROUGH, MA 01752

PROPERTY:

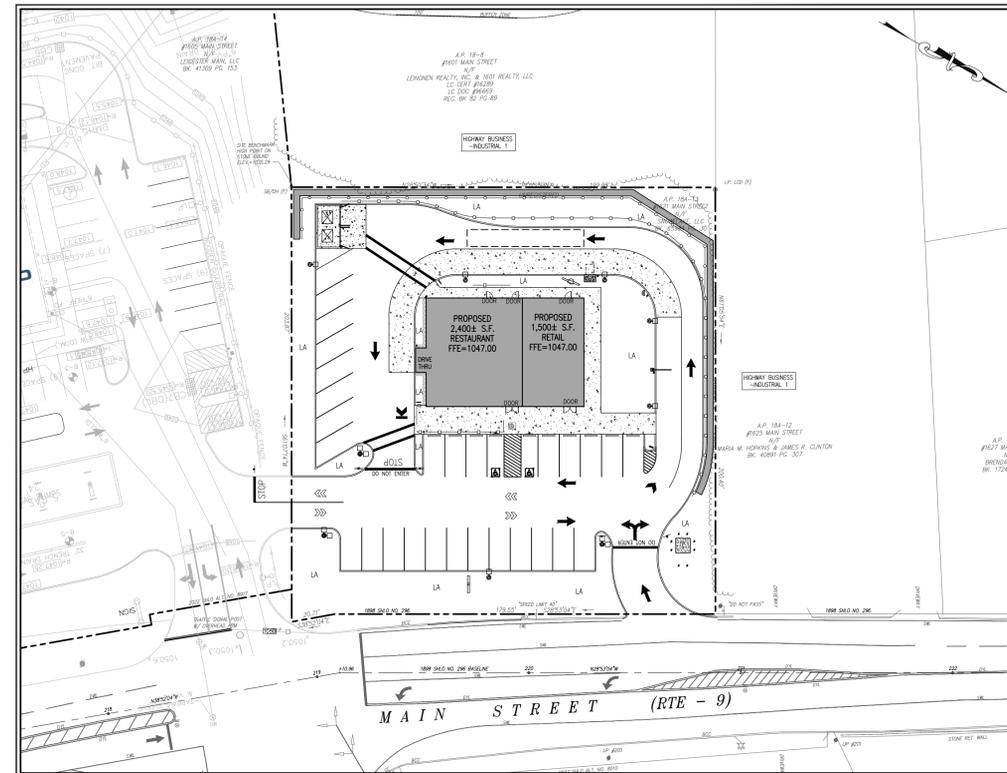
1621 MAIN STREET (RTE-9)
LEICESTER, MA 01524

ASSESSORS MAP 18A, LOT 13

OWNER OF RECORD:

HY VENTURES LEICESTER, LLC
313 BOSTON POST ROAD WEST
MARLBOROUGH, MA 01752

DATE	DATE REVISED	SHEET NUMBER	SHEET DESCRIPTION
09/08/2023	-	1	COVER SHEET
06/01/2023	-	2	EXISTING CONDITIONS PLAN
09/08/2023	-	3	DEMOLITION & EROSION CONTROL PLAN
09/08/2023	-	4	SITE PLAN
09/08/2023	-	5	GRADING & DRAINAGE PLAN
09/08/2023	-	6	UTILITY PLAN
09/08/2023	-	7	LANDSCAPE PLAN
09/08/2023	-	8	FIRE APPARATUS CIRCULATION PLAN
09/08/2023	-	9	CONSTRUCTION DETAILS
09/08/2023	-	10	CONSTRUCTION DETAILS
09/08/2023	-	11	CONSTRUCTION DETAILS
09/08/2023	-	12	CONSTRUCTION DETAILS
09/08/2023	-	13	CONSTRUCTION DETAILS
08/18/2023	-	RL-9076-SI	PHOTOMETRIC PLAN
08/18/2023	-	RL-9076-S1	LIGHT DETAILS
09/11/2023	-	1R2-4R2	SIGNAGE PLANS
9/11/2023	-	1	FLOOR PLAN
9/11/2023	-	2	EXTERIOR ELEVATIONS
9/11/2023	-	3	EXTERIOR ELEVATIONS



OVERALL LAYOUT PLAN
SCALE: 1"=40'

MUNICIPALITY CONTACTS:

DEPARTMENT	CONTACT	PHONE NUMBER	ADDRESS
TOWN ADMINISTRATOR	DAVID GENEREUX	508-892-7077	3 WASHBURN SQUARE, LEICESTER, MA 01524
CODE ENFORCEMENT	MICHAEL SILVA	508-892-7003	3 WASHBURN SQUARE, LEICESTER, MA 01524
ASSESSOR	LINDA BERISHA	508-892-7001	3 WASHBURN SQUARE, LEICESTER, MA 01524
FIRE CHIEF	MICHAEL WILSON	508-892-7022	3 PAXTON STREET, LEICESTER, MA 01524
PUBLIC WORKS	ROBERT PROVOST	508-892-7021	3 WASHBURN SQUARE, LEICESTER, MA 01524
PLANNING	JOHN CHARBONNEAU	508-892-7007	3 WASHBURN SQUARE, LEICESTER, MA 01524
POLICE	KENNETH ANTANAVICA	508-892-7009	90 SOUTH MAIN STREET, LEICESTER, MA 01524
CITY CLERK	LISA JOHNSON	508-892-7011	3 WASHBURN SQUARE, LEICESTER, MA 01524
BOARD OF HEALTH	FRANCIS DAGLE	508-892-7008	3 WASHBURN SQUARE, LEICESTER, MA 01524

NOT FOR CONSTRUCTION

ISSUED TO:
TOWN OF LEICESTER

SEAL:

 PHILIP R. HENRY, P.E.

SHEET:
COVER SHEET
 1

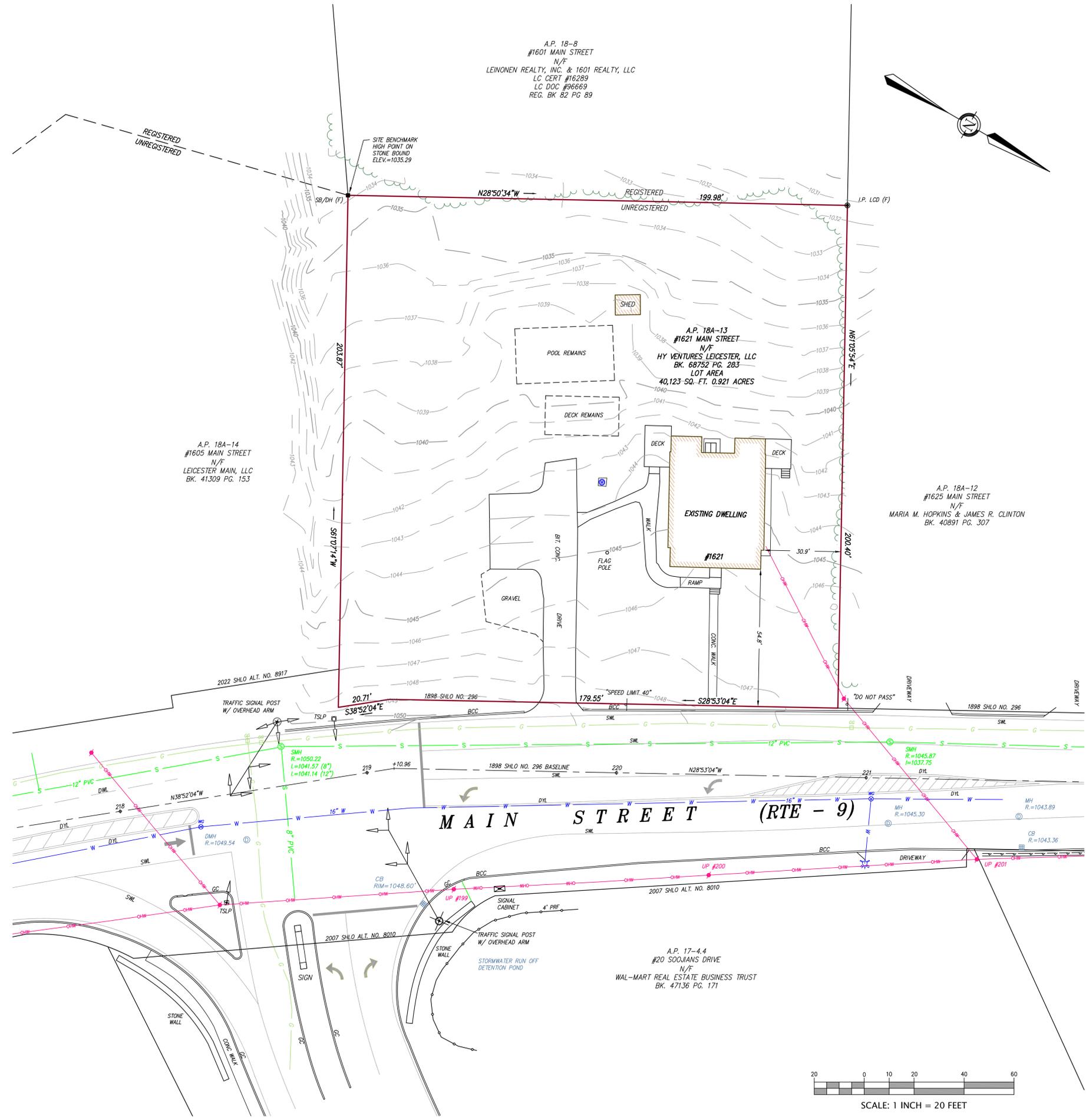
CDG PROJECT #: 23028

PROPERTY INFORMATION:

CURRENT OWNER OF RECORD: HY VENTURES LEICESTER, LLC
 SITE ADDRESS: 1621 MAIN STREET, LEICESTER, MA (WORCESTER COUNTY)
 ASSESSORS PARCEL: MAP 18A LOT 13
 DEED REFERENCE: BOOK 68752 PAGE 283
 ZONING DISTRICT: HIGHWAY BUSINESS-INDUSTRIAL DISTRICT 1 (HB-1)
 TOTAL LAND AREA = 40,123 SQ. FT. 0.921 ACRES

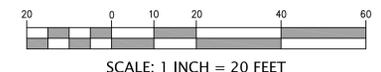
GENERAL NOTES:

- THIS PLAN IS THE RESULT OF AN ON-THE-GROUND SURVEY PERFORMED BY ODONE SURVEY & MAPPING ON MAY 10, 2023. SURVEY BY TRIMBLE S6 TOTAL STATION.
- BASIS OF BEARINGS: 1898 SHLO NO. 296
- THE VERTICAL POSITIONS SHOWN ON THIS PLAN ARE BASED ON KEYNET RTK GPS NETWORK AND IS SUBJECT TO FURTHER ADJUSTMENT TO ANY LOCAL NGS BENCHMARKS. THE VERTICAL DATUM IS RELATIVE TO NAVD 1988.
- PROPERTY HAS DIRECT ACCESS TO MAIN STREET, A DESIGNATED PUBLIC WAY. THERE ARE NO PROPERTY LINES LOCATED WITHIN THE BOUNDS OF SAID STREETS.
- UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN COMPILED FROM AVAILABLE RECORDS AND THEREFORE, THE RELATIONSHIP BETWEEN ACTUAL FIELD LOCATION AND LOCATION SHOWN HEREON MUST BE CONSIDERED APPROXIMATE. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES AND FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION AS INDICATED ON THIS PLAN. BEFORE CONSTRUCTION CALL "DIG SAFE" 1-888-344-7233
- FLOOD NOTE: BASED ON MAPS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) AVAILABLE ONLINE AT WWW.MSC.FEMA.GOV, AND BY GRAPHIC PLOTTING ONLY. THIS PROPERTY IS LOCATED IN ZONE X ON FLOOD INSURANCE RATE MAP NUMBER 250270700E, WHICH BEARS AN EFFECTIVE DATE OF 07/04/2011 AND IS NOT IN A SPECIAL FLOOD HAZARD AREA.



LEGEND

- EXISTING BUILDING
- GAS LINE/GAS VALVE
- OVERHEAD WIRES
- DRAIN LINE/DRAIN MANHOLE
- WATER LINE/WATER GATE
- SEWER LINE/SEWER MANHOLE
- TREE LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- UTILITY POLE
- GUY WIRE
- SIGN
- A.P. ASSESSORS PARCEL
- BK. PG. DEED BOOK/PAGE
- BIT. CONC. BITUMINOUS CONCRETE
- BCC. BITUM. CONCRETE CURB
- CONC. CONCRETE SURFACE
- CC. CONCRETE CURB
- DYL. DOUBLE YELLOW LINE
- GC. GRANITE CURB
- CL.F. CHAIN LINK FENCE
- EOP. EDGE OF PAVEMENT
- (F) FOUND
- (M.) MEASURED
- (N/F) NOW OR FORMERLY
- (REC.) RECORD
- SWL. SOLID WHITE LINE
- TSLP. TRAFFIC SIGNAL LIGHT POLE



REVISIONS:

REV.	DATE	COMMENT
1	6/1/2023	DRAFT ISSUE
2		
3		
4		
5		

SURVEYOR'S CERTIFICATION

THIS PLAN AND THE SURVEY ON WHICH IT WAS BASED WAS PREPARED IN ACCORDANCE WITH PROCEDURAL AND TECHNICAL STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN THE COMMONWEALTH OF MASSACHUSETTS (250 CMR SEC. 6.00).

GLENN D. ODONE JR.
 REGISTERED LAND SURVEYOR NO. 45068
 COMMONWEALTH OF MASSACHUSETTS

SURVEYED BY:

OSM **ODONE SURVEY & MAPPING**

SURVEYING - MAPPING - PLANNING & CONSULTING

291 Main Street, Suite 5
 Northborough, MA 01532
 Tel.: 508-351-6022 Fax: 508-351-6633

CONTACT: Glenn D. Odone, P.L.S.
 email: glenn.odone@osm-pc.com
 web: www.osm-pc.com

CIVIL ENGINEER:

CIVIL DESIGN GROUP, LLC

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PREPARED FOR:

HY VENTURES LEICESTER, LLC

313 BOSTON POST ROAD WEST
 MARLBOROUGH, MA 01752

PROJECT:

PROPOSED RETAIL DEVELOPMENT

1621 MAIN STREET (RT 9)
 LEICESTER, MA 01524

SHEET:

EXISTING CONDITIONS
PLAN OF LAND

2

DATE: JUNE 1, 2023
 REV.:
 DWG FILE: 1660-01A
 PROJECT NO. 20231660

SITE DEMOLITION & EROSION CONTROL NOTES

- THE LOCATION AND ELEVATION OF EXISTING UTILITIES AND STRUCTURES SHOWN ON THESE PLANS ARE BASED ON MEASUREMENTS TAKEN IN THE FIELD AND DISCOVERED RECORDS FROM VARIOUS UTILITY COMPANIES AND/OR FROM THE MUNICIPALITY. THIS INFORMATION SHALL NOT BE CONSIDERED EXACT AND THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITY LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL NOTIFY "DIG SAFE" (811) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXISTING UTILITY MARK OUT LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF EXISTING UTILITY LOCATIONS CONFLICT WITH THE PROPOSED DEVELOPMENT PROGRAM SO THAT A REMEDIAL ACTION CAN TAKE PLACE PRIOR TO ANY WORK. THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING ALL EXISTING UTILITIES AS A RESULT OF THE PROPOSED DEVELOPMENT.
- THIS PROJECT SITE IS CURRENTLY AN ABANDONED SINGLE FAMILY HOME LOT.
- EXISTING BASE INFORMATION INCLUDING STRUCTURES, UTILITIES AND TOPOGRAPHY ARE TAKEN FROM PLAN ENTITLED "EXISTING CONDITIONS PLAN OF LAND" PREPARED BY ODDNE SURVEY & MAPPING, DATED 06/01/2023.
- WATER, SEWER AND GAS SERVICES TO BE CUT & CAPPED AT MAIN AND SERVICE LINES SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ALL CONSTRUCTION RELATED CONDITIONS OUTLINED IN THE APPROVALS IN ADDITION TO THE ITEMS OUTLINED IN THESE CONSTRUCTION DOCUMENTS.
- CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
- REFUELING AND ANY WORK ASSOCIATED WITH THE MAINTENANCE OF CONSTRUCTION EQUIPMENT TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE REGULATIONS.
- THE AREAS OF CONSTRUCTION SHALL REMAIN IN A STABLE CONDITION AT THE CLOSE OF EACH CONSTRUCTION DAY. EROSION CONTROLS SHALL BE CHECKED AT THIS TIME AND MAINTAINED OR REINFORCED IF NECESSARY.
- THE LIMIT OF WORK FOR THIS PROJECT SHALL BE SHOWN ON THE PLANS AS SAWCUT LINES, WATTLE LINES, AND/OR CONSTRUCTION FENCE LINES. EXISTING FEATURES OUTSIDE LIMIT OF WORK LINE ARE TO REMAIN UNLESS OTHERWISE SPECIFIED AND THE EXISTING FEATURES WITHIN LIMIT OF WORK LINE SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL NOTIFY ALL APPLICABLE MUNICIPAL DEPARTMENTS INCLUDING THE BUILDING DEPARTMENT AT LEAST 48 HOURS PRIOR TO START OF WORK.
- THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH THE ENGINEER PRIOR TO THE START OF CONSTRUCTION. ALL WORK MUST BE INSPECTED BY THE MUNICIPALITY/STATE.
- ALL DISTURBED OFF-SITE AREAS SHALL BE RESTORED TO PRE CONSTRUCTION CONDITION.
- A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED PER THE DETAIL WHEREVER CONSTRUCTION ACCESS EXISTS. PAVED AREAS SHALL BE KEPT CLEAN AT ALL TIMES. TRACKED MUD OR SEDIMENT SHALL BE REMOVED (VACUUM SWEEPING) PRIOR TO THE NEXT STORM EVENT.
- PEDESTRIAN AND VEHICULAR ACCESS WITHIN ANDOVER STREET AND THE MALL DRIVEWAY SHALL BE KEPT IN GOOD CONDITION AND SHALL BE PASSABLE THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND UTILITY CONNECTION/DISCONNECTION FEES RELATED TO THE PROJECT. CONTRACTOR SHALL NOTIFY AND COORDINATE ALL UTILITY WORK WITH THE APPLICABLE UTILITY COMPANIES AND/OR LOCAL DEPARTMENTS. ALL PERMITS SHALL BE KEPT WITHIN THE TRAILER AND CLEARLY VISIBLE.
- THE OFFSITE DISPOSAL OF ALL DEMOLISHED MATERIALS SHALL COMPLY WITH THE APPLICABLE LOCAL, STATE AND FEDERAL GUIDELINES.
- EXISTING ONSITE BITUMINOUS PAVEMENT SHALL BE STRIPPED, PULVERIZED AND STOCKPILED ONSITE TO BE USED AS RECLAIMED ASPHALT PAVEMENT BORROW/COMMON FILL MATERIAL IF DEEMED SUITABLE BY THE GEOTECHNICAL RECOMMENDATIONS. IF EXISTING PAVEMENT IS NOT SUITABLE FOR REUSE, IT SHALL BE REMOVED OFFSITE IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- CONSTRUCTION DUMPSTERS SHALL BE LOCATED ON A STABLE SURFACE AND SHALL BE PROPERLY MAINTAINED AND EMPTIED ON A REGULAR BASIS.
- CONTRACTOR SHALL NOT STOCKPILE OR LOCATE DUMPSTERS WITHIN WETLAND RESOURCE AREA BUFFER ZONES IF PRESENT ON SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE GENERAL UPKEEP OF THE SITE DURING THE CONSTRUCTION PROCESS.
- MEANS OF PROTECTING EXISTING MONITORING WELLS, IF APPLICABLE, SHALL BE COORDINATED WITH THE OWNER'S ENVIRONMENTAL CONSULTANT PRIOR TO CONSTRUCTION.
- THIS PROJECT IS INTENDED TO BE A SINGLE PHASE PROJECT WITH AN ESTIMATED OPEN AREA OF LESS THAN 1 ACRE.
- PERMANENT BEST MANAGEMENT PRACTICES ARE NOT INTENDED TO BE USED AS TEMPORARY SEDIMENT BASINS AND UPSTREAM AREAS SHALL NOT CONNECT TO THE PERMANENT BMP'S UNTIL THE SITE IS STABILIZED. HOWEVER, IF A PERMANENT BMP IS UTILIZED DURING CONSTRUCTION FOR UNFORESEEN SITE CONDITIONS, THE BMP(S) SHALL BE CLEANED AND/OR RESTORED PRIOR TO END OF CONSTRUCTION.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PER THE PLANS AND IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS. THESE MEASURES SHALL BE FUNCTIONING AT THE START OF THE CONSTRUCTION PRIOR TO ANY EARTH DISTURBANCE INCLUDING DEMOLITION AND SHALL REMAIN IN PLACE UNTIL UPSTREAM SITE WORK IS COMPLETE AND THE GROUND COVER IS STABILIZED. PERMANENT STABILIZATION IS DEFINED AS 90% SEEDED COVERAGE.
- CONSTRUCTION DURING THE WINTER SHALL INCLUDE INSPECTIONS AFTER EACH 1" RAINFALL/SNOWFALL EVENT AND NO LESS THAN ONCE PER WEEK. ALL AREAS WITHIN 75 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A DOUBLE ROW OF SEDIMENT BARRIERS.
- THE CONTRACTOR SHALL PERFORM ALL WORK, AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
- CONTRACTOR SHALL IMPLEMENT TEMPORARY AND PERMANENT STABILIZATION METHODS IN ACCORDANCE WITH THESE PLANS AND IN ACCORDANCE WITH STABILIZATION REQUIREMENTS IN THE LATEST GENERAL NPDES PERMIT FOR DISCHARGES FROM CONSTRUCTION ACTIVITIES.
- ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT BASIN TO ALLOW FOR SUFFICIENT SETTLING PRIOR TO DISCHARGE.
- PROVIDE AND STORE AUXILIARY DEWATERING EQUIPMENT ON THE SITE IN THE EVENT OF BREAKDOWN. PROVIDE NON-WOVEN FILTER FABRIC SHALL BE SPECIFICALLY DESIGNED FOR SUBSURFACE DRAINAGE APPLICATIONS.

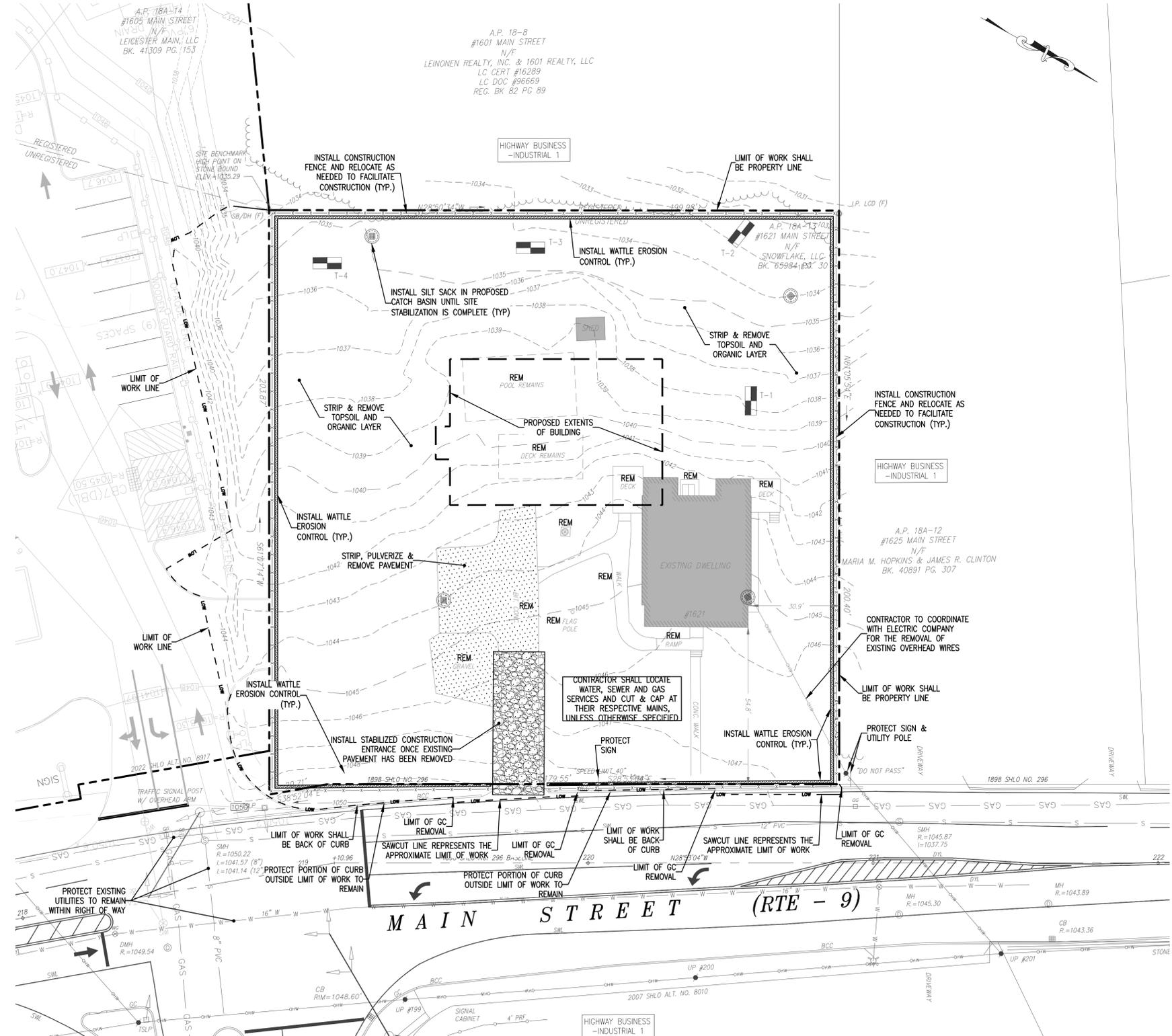
- WATER FROM THE TRENCHES AND EXCAVATIONS SHALL BE DISPOSED OF IN SUCH A MANNER AS TO AVOID PUBLIC NUISANCE, INJURY TO PUBLIC HEALTH OR THE ENVIRONMENT, OR DAMAGE TO PUBLIC OR PRIVATE PROPERTY, OR DAMAGE TO THE WORK COMPLETED OR IN PROGRESS. DO NOT DISCHARGE WATER INTO ANY SANITARY SEWER SYSTEM. SILTATION BARRIERS SHALL BE UTILIZED IF NECESSARY.
- WATER FROM TRENCHES AND EXCAVATIONS SHALL NOT BE DISCHARGED DIRECTLY TO STORM DRAIN SYSTEMS. PROPER TREATMENT TO A SEDIMENTATION AREA IS TO TAKE PLACE PRIOR TO DISCHARGE TO ANY DRAINAGE SYSTEMS.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE RESULTING FROM THE FAILURE OF THE DEWATERING OPERATIONS OR FROM FAILURE TO MAINTAIN ALL AREAS OF WORK IN SUITABLE DRY CONDITION.
- DO NOT EXCAVATE UNTIL THE DEWATERING SYSTEM IS OPERATIONAL AND THE EXCAVATION MAY PROCEED WITHOUT DISTURBANCE TO THE FINAL SUBGRADE.
- UNLESS OTHERWISE SPECIFIED, CONTINUE DEWATERING UNINTERRUPTED UNTIL THE STRUCTURES, PIPES, AND APPURTENANCES TO BE BUILT HAVE BEEN PROPERLY INSTALLED. WHERE SUBGRADE MATERIALS ARE UNABLE TO MEET SUBGRADE DENSITY REQUIREMENTS DUE TO IMPROPER DEWATERING TECHNIQUES, REMOVE AND REPLACE THE MATERIALS AS DIRECTED BY THE ENGINEER.
- THE PROPOSED ONSITE DRAINAGE SYSTEM SHALL BE INSTALLED AS SOON AS PRACTICABLE. ALL EXISTING AND PROPOSED CATCH BASIN INLETS SHALL BE PROTECTED WITH A SILT SACK (SEE DETAIL).
- DUST IS TO BE CONTROLLED BY AN APPROVED METHOD ACCORDING TO LOCAL, STATE AND FEDERAL STANDARDS AND MAY INCLUDE WATERING WITH A SOLUTION OF CALCIUM CHLORIDE AND WATER.
- ABUTTING PROPERTIES SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS FROM THIS PROJECT AT ALL TIMES. WORK ON ABUTTING PROPERTY SHALL REQUIRE WRITTEN AUTHORIZATION FROM THE OWNER PRIOR TO ANY LAND DISTURBANCE.
- THE EROSION CONTROL MEASURES ILLUSTRATED IN THIS PLAN SET SHALL BE THE MINIMUM REQUIRED CONTROLS IMPLEMENTED. THE CONTRACTOR SHALL KEEP ADDITIONAL EROSION CONTROL MEASURES SUCH AS WATTLES ONSITE AT ALL TIMES TO RELOCATE OR ADD SUCH MEASURES AS THE PROJECT EVOLVES OR AN UNFORESEEN CONDITION OCCURS.

- EROSION CONTROL MIX SHOULD CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX SHOULD BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH SUCH AS FLY ASH OR YARD SCRAPING. LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX. THE MIX COMPOSITION SHOULD MEET THE FOLLOWING STANDARDS:
 - THE ORGANIC MATTER CONTENT SHOULD BE BETWEEN 80% AND 100% DRY WEIGHT BASIS.
 - PARTICLE SIZE BY WEIGHT SHOULD BE 100% PASSING A 6" SCREEN AND 70% TO 85% PASSING A 0.75" SCREEN.
 - THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
 - SOLUBLE SALTS CONTENT SHALL BE < 4.0 MMHOS/CM.
 - THE PH SHOULD BE BETWEEN 5.0 AND 8.0.
 - PROHIBITED AT THE BASE OF AN SLOPE STEEPER THAN 8% OR WHERE RUNOFF IS FLOWING WITHOUT THE SUPPORT OF ADDITIONAL MEASURES, SUCH AS SILT FENCE.
- STOCKPILES SHALL BE LOCATED ONSITE OUTSIDE OF ALL WETLAND RESOURCE AREA BUFFER ZONES IF PRESENT ON SITE. EROSION CONTROL MEASURES SHALL BE INSTALLED AT THE FOOT OF THE STOCKPILE AND SHALL BE COVERED TO PREVENT WASHOUT.
- ALL PROPOSED SLOPES 3:1 AND STEEPER SHALL BE STABILIZED WITH AN EROSION CONTROL MATTING AND SHALL BE HYDROSEEDDED.
- ALL PIPELINES OR STRUCTURES NOT STABLE AGAINST UPLIFT DURING CONSTRUCTION OR PRIOR TO COMPLETION SHALL BE THOROUGHLY BRACED OR OTHERWISE PROTECTED.
- ALL SITE DRAINAGE, WATER, AND SEWER WORK OUTSIDE THE BUILDING FOOTPRINT SHALL BE PERFORMED BY A LICENSED DRAIN LAYER.
- ANY PROPOSED SURFACE OPENINGS AND EXCAVATION WORK WITHIN THE CITY RIGHT-OF-WAY LIMITS WILL REQUIRE A STREET OPENING PERMIT (SOP).
- A TRENCH OPENING PERMIT (TOP) SHALL BE OBTAINED PRIOR TO THE EXCAVATION OF ANY TRENCH.

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
---	---	PROPERTY LINE
⊙	⊙	DRAIN MANHOLE
□	□	CATCH BASIN
⊙	⊙	SEWER MANHOLE
D	D	DRAIN PIPE
G	G	GAS LINE
OHW	OHW	OVERHEAD WIRES
W	W	WATER LINE
S	S	SEWER LINE
CONC	CONC	CONCRETE SURFACE
DH (F)	DH (F)	DRILL HOLE FOUND
DMH	DMH	DOUBLE WALL FIBER GLASS
DWF	DWF	DASHED WHITE LINE
DYCL	DYCL	DOUBLE YELLOW CENTERLINE
EOP	EOP	EDGE OF PAVEMENT
ECC	ECC	EXTRUDED CONCRETE CURB
EHH	EHH	ELECTRIC HANDHOLE
FF=	FF=	FINISHED FLOOR ELEVATION
FY	FY	FRONT YARD
GC	GC	VERTICAL GRANITE CURB
GM	GM	GAS METER
HDPE	HDPE	HIGH DENSITY POLYETHYLENE PIPE
I	I	INVERT ELEVATION
LF	LF	LINEAL FEET
LA	LA	LANDSCAPED AREA
MCC	MCC	MONOLITHIC CONCRETE CURB
ME	ME	MATCH EXISTING
N/A	N/A	INVERT NOT AVAILABLE
N/F	N/F	NOW OR FORMERLY
OC	OC	ON CENTER
R	R	RIM ELEVATION
RD	RD	ROOF DRAIN REMOVE
REM	REM	REAR YARD
RFM	RFM	SEWER FORCE MAIN
SWEL	SWEL	SOLID WHITE EDGE LINE
SWL	SWL	SOLID WHITE LINE
SY	SY	SIDE YARD
TC	TC	TOP OF CURB
UP	UP	UTILITY POLE
VC	VC	VITRIFIED CLAY
WG	WG	WATER GATE
WSO	WSO	WATER SHUT-OFF

GENERAL ABBREVIATIONS

A.P.	ASSESSOR'S PARCEL
BC	BOTTOM OF CURB
BCC	BITUMINOUS CONCRETE CURB
BIT. CONC	BITUMINOUS CONCRETE
BW	BOTTOM OF WALL
CB	CATCH BASIN
C.L.F.	CHAIN LINK FENCE
CO	CLEANOUT
CONC	CONCRETE SURFACE
DH (F)	DRILL HOLE FOUND
DMH	DOUBLE WALL FIBER GLASS
DWF	DASHED WHITE LINE
DYCL	DOUBLE YELLOW CENTERLINE
EOP	EDGE OF PAVEMENT
ECC	EXTRUDED CONCRETE CURB
EHH	ELECTRIC HANDHOLE
FF=	FINISHED FLOOR ELEVATION
FY	FRONT YARD
GC	VERTICAL GRANITE CURB
GM	GAS METER
HDPE	HIGH DENSITY POLYETHYLENE PIPE
I	INVERT ELEVATION
LF	LINEAL FEET
LA	LANDSCAPED AREA
MCC	MONOLITHIC CONCRETE CURB
ME	MATCH EXISTING
N/A	INVERT NOT AVAILABLE
N/F	NOW OR FORMERLY
OC	ON CENTER
R	RIM ELEVATION
RD	ROOF DRAIN REMOVE
REM	REAR YARD
RFM	SEWER FORCE MAIN
SWEL	SOLID WHITE EDGE LINE
SWL	SOLID WHITE LINE
SY	SIDE YARD
TC	TOP OF CURB
UP	UTILITY POLE
VC	VITRIFIED CLAY
WG	WATER GATE
WSO	WATER SHUT-OFF



NOT FOR CONSTRUCTION

CDG PROJECT #: 23028

REVISIONS:

REV	DATE	COMMENT
1		
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SEAL:

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PROJECT:

PROPOSED RETAIL DEVELOPMENT

1621 MAIN STREET (RT-9)
LEICESTER, MA 01524

SCALE:

GRAPHIC SCALE IN FEET

SHEET:

DEMOLITION & EROSION CONTROL PLAN

3

DATE: 08/21/2023

GENERAL NOTES

- ZONING INFORMATION OBTAINED FROM THE TOWN OF LEICESTER ZONING ORDINANCE AS AMENDED THROUGH JUNE 2020.
- THE PROJECT SITE IS LOCATED ON ASSESSOR LOT 13 ON MAP 18A AND TOTALS APPROXIMATELY 0.92 ACRES.
- THE PROJECT LIES WITHIN THE HIGHWAY BUSINESS 1 (HB-1) DISTRICT AND DOES NOT LIE WITHIN AN OVERLAY DISTRICT.
- MODIFICATIONS TO THIS PLAN MAY OCCUR AS UNFORESEEN CONDITIONS ARISE. ALL CHANGES SHALL BE APPROVED BY THE ENGINEER & MUNICIPALITY.
- ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, SITE ENGINEER, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS, AND PLANT SPECIFICATIONS TO THE OWNER AND SITE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF THE CONSTRUCTION.
- THE PROPERTY IS LOCATED WITHIN THE ZONE X FLOOD ZONE, AS SHOWN ON THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 25027c0780c WHICH BEARS AN EFFECTIVE DATE OF JULY 4, 2011.

SITE LAYOUT NOTES

- THE BUILDING OUTLINE SHOWN ON THIS PLAN DEPICTS THE FINISH TO FINISH EXTENTS OF THE BUILDING. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR FOUNDATION PLANS FOR THE PURPOSE OF STAKING OUT THE BUILDING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND EXTERIOR FEATURES INCLUDING UTILITY METERS, BOLLARDS, DOORS, PILASTER, RAMPS, ETC.
- BUILDING SIDEWALK DIMENSIONS ARE MEASURED FROM EXTERIOR FINISH MATERIAL OF STRUCTURE.
- ALL LIMITS OF PAVEMENT SHALL BE CURBED, UNLESS OTHERWISE NOTED.
- ALL ON-SITE CURB SHALL BE EXTRUDED CONCRETE AND MONOLITHIC CONCRETE, UNLESS OTHERWISE SPECIFIED. OFF-SITE CURB SHALL BE VERTICAL GRANITE.
- NON-ACCESSIBLE PARKING SPACE DIMENSIONS AS SHOWN ON THE PLAN ARE 10' WIDE x 20' LONG, UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENT MARKINGS SHALL BE ACCOMPLISHED WITH USE OF PAINTING MACHINES AND/OR STENCILS. ALL PAINT FOR PAVEMENT MARKING SHALL MEET THE REQUIREMENTS OF SOLVENTBORNE APPLICATION RECOMMENDATIONS (LATEX TRAFFIC PAINT BY BENJAMIN MOORE #1D58 LOW VOC). PARKING STALL AND ISLAND STRIPING SHALL BE 4" WIDE AND SHALL BE STRAIGHT WITH A CLEAN EDGE. ALL DIRECTIONAL ARROWS, STOP BARS, ETC. SHALL CONFORM WITH MUTCD. ALL PAVEMENT MARKINGS SHALL HAVE TWO COATS OF PAINT WITH AT LEAST 14 DAYS IN BETWEEN APPLICATIONS.
- PAVEMENT LETTERS SHALL BE 2" WIDE x 2" LONG.
- STOP BARS SHALL BE 12" WIDE AND SOLID LINES SHALL BE 4" IN WIDTH (SEE SITE PLAN FOR LENGTH & COLOR).
- ACCESSIBLE PARKING SPACES SHALL CONFORM TO THE LATEST EDITION OF THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE ARCHITECTURAL ACCESS BOARD (AAB) AS SHOWN ON THE SITE LAYOUT PLAN.
- ACCESSIBLE PARKING AISLE STRIPING SHALL CONSIST OF 4" SOLID LINES OF LATEX TRAFFIC PAINT BY BENJAMIN MOORE #1D58 LOW VOC ADA BLUE COLOR ORIENTED AT A 45 DEGREE ANGLE AND SPACED 3' ON CENTER.
- DIRECTIONAL AND ACCESSIBLE SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR COLOR AND SIZE.
- ALL FLAT WORK WITHIN THE RIGHT OF WAY SHALL CONFORM TO MUNICIPAL/STATE STANDARDS.
- REPLACEMENT PAVEMENT AS A RESULT OF UTILITY AND DRAINAGE TRENCHING WITHIN THE RIGHT-OF-WAY SHALL MATCH EXISTING PAVEMENT THICKNESS.
- SNOW SHALL NOT BE STORED IN ANY LANDSCAPED AREAS, EXCEPT FOR DESIGNATED SNOW STORAGE AREAS, AND SHALL NOT BE STORED IN ANY MANNER WHICH AFFECTS VISIBILITY FOR PEDESTRIANS AND VEHICLES. THE CLEARING OF SNOW MUST COMMENCE WHEN STOCKPILED SNOW EITHER IMPEDES THE SIDEWALK OR PARKING SPACE ACCESS. AT WHICH TIME, THE APPLICANT WOULD BE EXPECTED TO REMOVE THE SNOW WITHIN 24 HOURS.
- SITE LIGHTS TO BE INSTALLED PER DETAIL. CONTRACTOR SHALL NOTIFY THE ENGINEER IF THIS DISTANCE CANNOT BE ACHIEVED DUE TO DRAINAGE OR UTILITY CONFLICTS. REFER TO DETAILS FOR SITE LIGHT POLE BASE DETAILS AND SPECIFICATIONS.

ZONING INFORMATION			
ZONING DISTRICT: HIGHWAY BUSINESS-1 (HB-1)			
REGULATION	REQUIRED	EXISTING	PROPOSED LOW
MIN. LOT AREA	60,000 SF	40,123 SF±	NO CHANGE
MIN. LOT FRONTAGE	200 FT	200.2 FT±	NO CHANGE
MIN. FY SETBACK	50 FT	54.8 FT±	97.5 FT±
MIN. SY SETBACK	50 FT	30.9 FT±	58.5 FT±
MIN. RY SETBACK	50 FT	93.7 FT±	51.9 FT±
MAX. BUILDING HEIGHT	55 FT/5.5 STORIES	23 FT±	<55 FT
MAX. BUILDING COVERAGE	40%	5%±	10%±

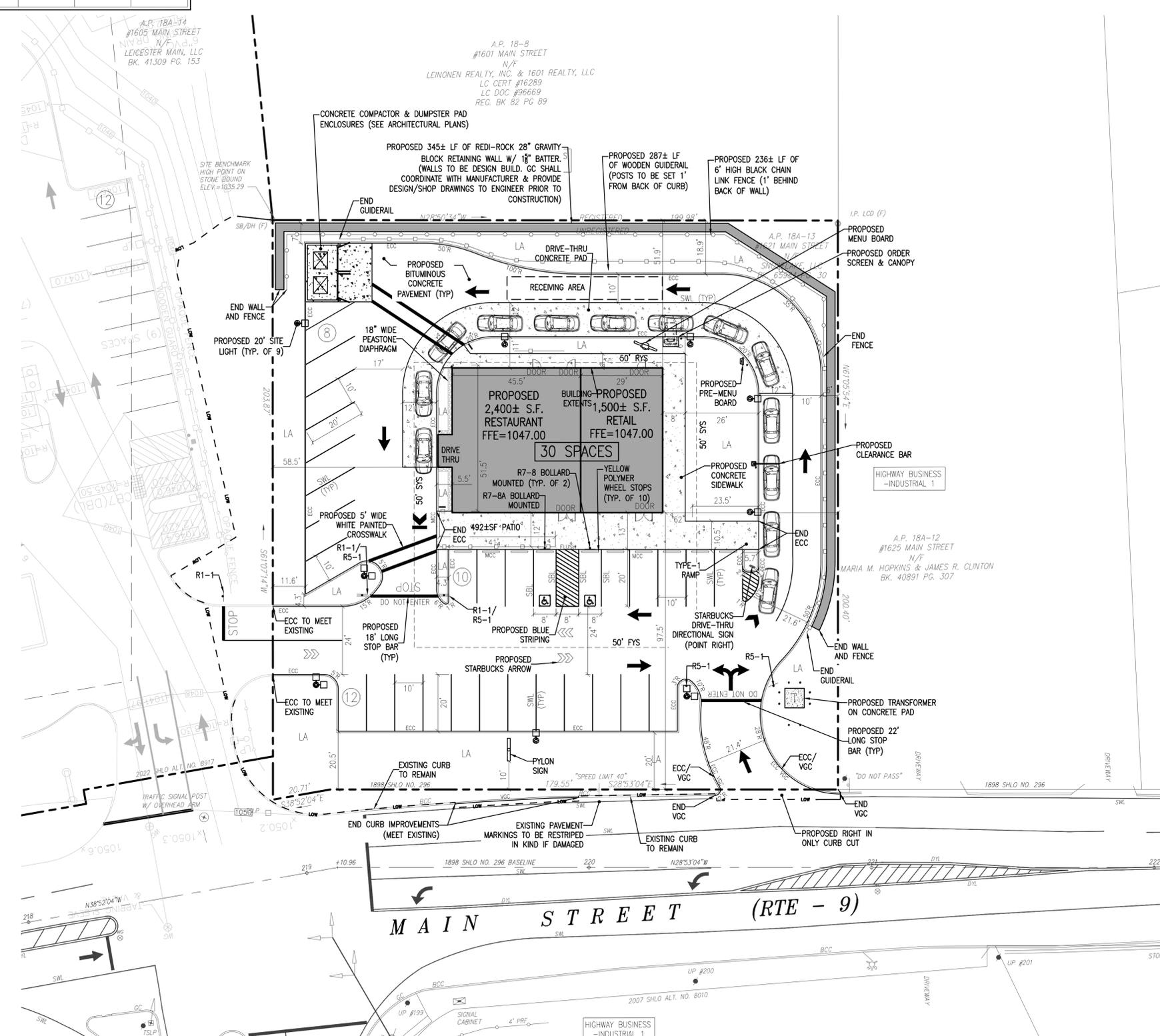
PARKING & LOADING INFORMATION		
USE	REQUIRED	PROVIDED
PARKING: RETAIL: 1 SPACE/200 GROSS FLOOR AREA 1,500 SF/200 = 7.5 SPACES	30 SPACES	30 SPACES
RESTAURANTS: 1 SPACE/EMPLOYEE + 1 SPACE/3 SEATS ASSUME 50 SEATS/6 EMPLOYEES = 22.6 SPACES		
LOADING: ADEQUATE OFF-STREET LOADING FACILITIES AND SPACE MUST BE PROVIDED TO SERVICE ALL NEEDS CREATED BY NEW CONSTRUCTION. FACILITIES SHALL BE SO SIZED AND ARRANGED THAT NO TRUCKS NEED TO BACK ONTO OR OFF A PUBLIC WAY, OR BE PARKED ON A PUBLIC WAY WHILE LOADING OR UNLOADING.		PROVIDED

LAND COVERAGE CALCULATIONS		
TOTAL DISTURBED AREA: 0.92± ACRES		
COVER	EXISTING	PROPOSED
BUILDING	0.04± AC	0.09± AC
PAVEMENT/CONCRETE	0.08± AC	0.59± AC
OPEN SPACE	0.80± AC	0.24± AC
TOTAL	0.92± AC	0.92± AC

MUTCD REFERENCE	SIGN (METAL)
R1-1 30"x30"	
R7-8 12"x18"	
R7-8a 12"x18"	
R3-5 30"x30"	

GENERAL ABBREVIATIONS	
A.P.	ASSESSORS PARCEL
BC	BOTTOM OF CURB
BCC	BITUMINOUS CONCRETE
BIT.	BITUMINOUS CONCRETE
BW	BOTTOM OF WALL
CB	CATCH BASIN
CCB	CAPE COD BERM
C.L.F.	CHAIN LINK FENCE
CO	CLEANOUT
CONC	CONCRETE SURFACE
DMH	DRAIN MANHOLE
DWFG	DOUBLE WALL FIBER GLASS
DWL	DASHED WHITE LINE
DYCL	DOUBLE YELLOW CENTERLINE
ECC	EDGE OF CONCRETE
EOP	EDGE OF PAVEMENT
ECC	EXTRUDED CONCRETE CURB
FF	FINISHED FLOOR ELEVATION
FY	FRONT YARD
OC	VERTICAL GRANITE CURB
SGC	SLOPED GRANITE CURB
GM	GAS METER
HDPE	HIGH DENSITY POLYETHYLENE PIPE
I	INVERT ELEVATION
LF	LINEAL FEET
LA	LANDSCAPED AREA
MCC	MONOLITHIC CONCRETE CURB
ME	MATCH EXISTING
N/A	INVERT NOT AVAILABLE
N/F	NOW OR FORMERLY
OC	ON CENTER
PCC	PRECAST CONCRETE CURB
R	RM ELEVATION
RD	ROOF DRAIN
REM	REMOVE
RY	REAR YARD
SWEL	SOLID WHITE EDGE LINE
SWL	SOLID WHITE LINE
SY	SIDE YARD
SYL	SOLID YELLOW LINE
TC	TOP OF CURB
TW	TOP OF WALL
UP	UTILITY POLE

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE
		BUILDING SETBACK/BUFFER
		PARKING SPACES
		CURB RADIUS
		ACCESSIBLE PAVEMENT MARKINGS
		RAMP UPSLOPE DIRECTION
		SIGN
		LIGHT
		UTILITY POLE
		WOODEN GUIDE RAIL
		PAINTED ARROW
		DIRECTIONAL ARROW
		CONCRETE PAD/SIDEWALK
		ACCESSIBLE RAMP
		IRON PIPE/IRON PIN



NOT FOR CONSTRUCTION

CDG PROJECT #: 23028

REVISIONS:

REV	DATE	COMMENT
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SEAL:

PHILIP R. HENRY, P.E.

PLANNING BOARD:

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PREPARED FOR:

HY VENTURES LEICESTER, LLC

313 BOSTON POST ROAD WEST
MARLOROUGH, MA 01752

PROJECT:

PROPOSED RETAIL DEVELOPMENT

1621 MAIN STREET (RT-9)
LEICESTER, MA 01524

SCALE:

GRAPHIC SCALE IN FEET

SHEET:

SITE PLAN

4

DATE: 08/21/2023

REVISIONS:

REV	DATE	COMMENT
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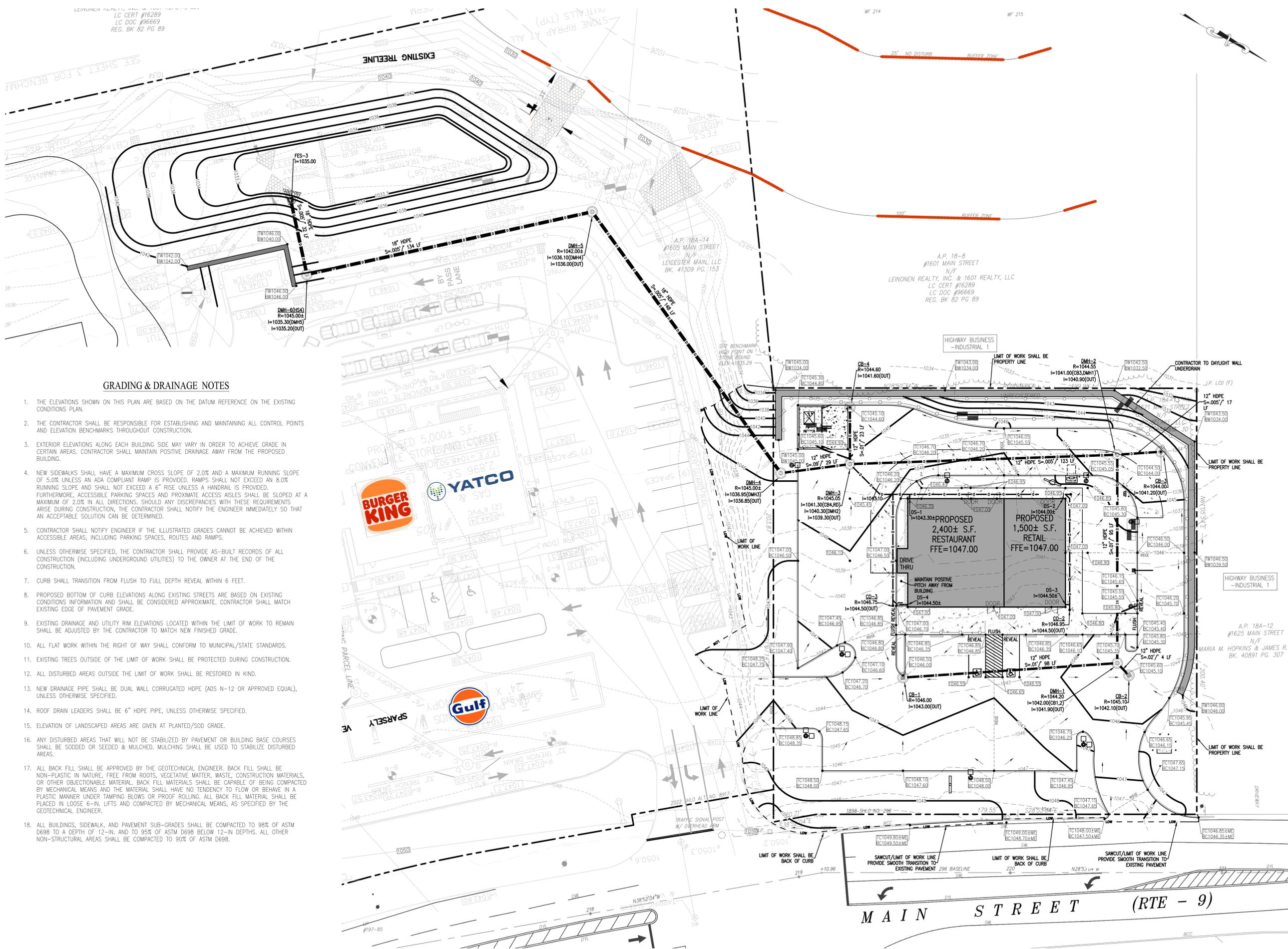


GRAPHIC SCALE IN FEET

SHEET:

GRADING & DRAINAGE PLAN

5

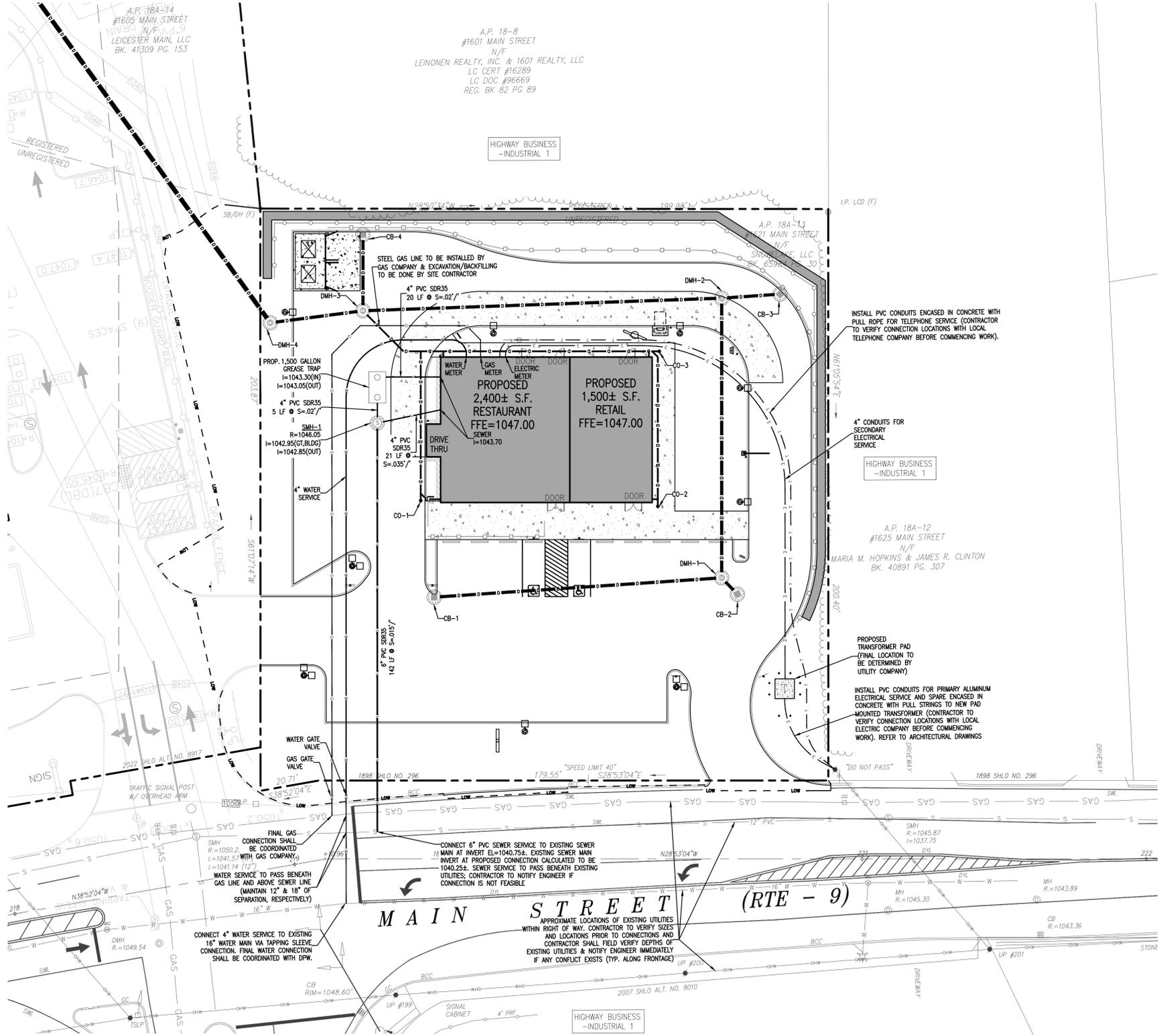


GRADING & DRAINAGE NOTES

1. THE ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON THE DATUM REFERENCE ON THE EXISTING CONDITIONS PLAN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND ELEVATION BENCHMARKS THROUGHOUT CONSTRUCTION.
3. EXTERIOR ELEVATIONS ALONG EACH BUILDING SIDE MAY VARY IN ORDER TO ACHIEVE GRADE IN CERTAIN AREAS. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM THE PROPOSED BUILDING.
4. NEW SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0% AND A MAXIMUM RUNNING SLOPE OF 5.0% UNLESS AN ADA COMPLIANT RAMP IS PROVIDED. RAMPS SHALL NOT EXCEED AN 8.0% RUNNING SLOPE AND SHALL NOT EXCEED A 6" RISE UNLESS A HANDRAIL IS PROVIDED. FURTHERMORE, ACCESSIBLE PARKING SPACES AND PROXIMATE ACCESS AISLES SHALL BE SLOPED AT A MAXIMUM OF 2.0% IN ALL DIRECTIONS. SHOULD ANY DISCREPANCIES WITH THESE REQUIREMENTS ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED.
5. CONTRACTOR SHALL NOTIFY ENGINEER IF THE ILLUSTRATED GRADES CANNOT BE ACHIEVED WITHIN ACCESSIBLE AREAS, INCLUDING PARKING SPACES, ROUTES AND RAMPS.
6. UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF THE CONSTRUCTION.
7. CURB SHALL TRANSITION FROM FLUSH TO FULL DEPTH REVEAL WITHIN 6 FEET.
8. PROPOSED BOTTOM OF CURB ELEVATIONS ALONG EXISTING STREETS ARE BASED ON EXISTING CONDITIONS INFORMATION AND SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL MATCH EXISTING EDGE OF PAVEMENT GRADE.
9. EXISTING DRAINAGE AND UTILITY RIM ELEVATIONS LOCATED WITHIN THE LIMIT OF WORK SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH NEW FINISHED GRADE.
10. ALL FLAT WORK WITHIN THE RIGHT OF WAY SHALL CONFORM TO MUNICIPAL/STATE STANDARDS.
11. EXISTING TREES OUTSIDE OF THE LIMIT OF WORK SHALL BE PROTECTED DURING CONSTRUCTION.
12. ALL DISTURBED AREAS OUTSIDE THE LIMIT OF WORK SHALL BE RESTORED IN KIND.
13. NEW DRAINAGE PIPE SHALL BE DUAL WALL CORRUGATED HDPE (ADS N-12 OR APPROVED EQUAL), UNLESS OTHERWISE SPECIFIED.
14. ROOF DRAIN LEADERS SHALL BE 6" HDPE PIPE, UNLESS OTHERWISE SPECIFIED.
15. ELEVATION OF LANDSCAPED AREAS ARE GIVEN AT PLANTED/SOD GRADE.
16. ANY DISTURBED AREAS THAT WILL NOT BE STABILIZED BY PAVEMENT OR BUILDING BASE COURSES SHALL BE SODDED OR SEEDED & MULCHED. MULCHING SHALL BE USED TO STABILIZE DISTURBED AREAS.
17. ALL BACK FILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER. BACK FILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, CONSTRUCTION MATERIALS, OR OTHER OBJECTIONABLE MATERIAL. BACK FILL MATERIALS SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND THE MATERIAL SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER TAMPING BLOWS OR PROOF ROLLING. ALL BACK FILL MATERIAL SHALL BE PLACED IN LOOSE 6-IN. LIFTS AND COMPACTED BY MECHANICAL MEANS, AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
18. ALL BUILDINGS, SIDEWALK, AND PAVEMENT SUB-GRADES SHALL BE COMPACTED TO 98% OF ASTM D698 TO A DEPTH OF 12-IN. AND TO 95% OF ASTM D698 BELOW 12-IN DEPTHS. ALL OTHER NON-STRUCTURAL AREAS SHALL BE COMPACTED TO 90% OF ASTM D698.

UTILITY NOTES

- ALL WATER SERVICES SHALL BE INSTALLED WITH A MINIMUM 6"-6" AND A MAXIMUM OF 6' OF COVER EXCEPT AS NOTED OR DETAIL OTHERWISE. GREATER DEPTHS ARE PERMITTED WHERE REQUIRED TO AVOID CONFLICTS WITH OTHER UTILITIES.
- ALL WATER SERVICE INSTALLATION METHODS AND TESTING REQUIREMENTS SHALL MEET OR EXCEED ALL LOCAL MUNICIPAL REQUIREMENTS.
- EXISTING WATER, SEWER, ELECTRICAL, TELEPHONE AND GAS LINES DEPICTED ON THIS PLAN ARE BASED ON RECORD DRAWINGS. CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL UTILITIES PRIOR TO CONNECTION.
- PROPOSED GAS SERVICE LOCATION IS APPROXIMATE ONLY. THE CONTRACTOR SHALL CONFIRM WITH THE GAS COMPANY THAT GAS LINE INSTALLATION SHALL BE BY THE LOCAL GAS COMPANY. THE CONTRACTOR SHALL GIVE THE GAS COMPANY ADVANCE NOTICE OF WHEN THE GAS LINE CAN BE INSTALLED. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, BACKFILL AND COMPACTION FOR THE GAS LINE.
- DUE TO THE SCALE OF THE SITEWORK DRAWINGS, THE EXACT LOCATION OF UTILITY SERVICES TO THE BUILDING SHALL BE VERIFIED WITH THE BUILDING DRAWINGS.
- ALL UTILITIES, PIPE MATERIALS, STRUCTURES, AND INSTALLATION METHODS SHALL CONFORM TO MUNICIPALITY STANDARDS AND REQUIREMENTS.
- SUITABLE, TEMPORARY PLUGS SHALL BE INSTALLED IN THE OPEN ENDS OF UTILITY SERVICES TO THE BUILDING PRIOR TO BACKFILLING. STUB LOCATIONS SHALL BE MARKED IN THE FIELD SO THAT THEY MAY BE EASILY LOCATED.
- WATER & SEWER SERVICE CONNECTIONS SHALL BE INSPECTED BY THE MUNICIPAL WATER & SEWER DEPARTMENT.
- ALL SITE DRAINAGE, WATER, AND SEWER WORK OUTSIDE THE BUILDING FOOTPRINT SHALL BE PERFORMED BY A LICENSED DRAIN LAYER.
- EXISTING DRAINAGE AND UTILITY RIM ELEVATIONS LOCATED WITHIN THE LIMIT OF WORK TO REMAIN SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH NEW FINISHED GRADE.
- CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITIES ALONG THE PATH OF THE PROPOSED UTILITY CONNECTIONS AND NOTIFY ENGINEER IMMEDIATELY IF A CONFLICT EXISTS.
- EXCAVATION, CONDUIT INSTALLATION AND BACKFILLING FOR ELECTRICAL AND TELEPHONE SERVICES TO BE PERFORMED BY SITE CONTRACTOR.
- EXISTING WATER, SEWER AND GAS SERVICES SHOULD BE EVALUATED TO DETERMINE IF SUITABLE FOR REUSE BY THE CONTRACTOR AND SHALL NOTIFY THE ENGINEER OF THE SAME. IF EXISTING UTILITIES ARE DEEMED TO NOT BE SUITABLE, THEY ARE TO BE CUT & CAPPED AT THE MAIN AND SERVICE LINES UNLESS OTHERWISE SPECIFIED BY THE MUNICIPALITY AND/OR UTILITY COMPANY. AS SUCH, THE SAWCUT LINES SHOWN ON THESE PLANS DO NOT ACCOUNT FOR THE REMOVAL OF THE EXISTING UTILITIES BUT THE CONTRACTOR SHALL ASSUME REMOVAL FOR THE PURPOSES OF BIDDING THE PROJECT.



LEGEND		GENERAL ABBREVIATIONS	
EXISTING	PROPOSED	DESCRIPTION	
⊙	⊙	PROPERTY LINE	A.P.
⊙	⊙	DRAIN MANHOLE	BC
⊙	⊙	CATCH BASIN	BCC
⊙	⊙	SEWER MANHOLE	BIT. CONC
⊙	⊙	TELEPHONE MANHOLE	DMH
⊙	⊙	DRAIN PIPE	CONC
⊙	⊙	GAS LINE	DH (F)
⊙	⊙	OVERHEAD WIRES	DMH
⊙	⊙	UNDERGROUND WIRES	DWFG
⊙	⊙	TELEPHONE LINE	DYCL
⊙	⊙	WATER LINE	ECC
⊙	⊙	SEWER LINE	EHH
⊙	⊙	ACCESSIBLE PAVEMENT MARKINGS	FF=
⊙	⊙	SIGN	FC
⊙	⊙	LIGHT	GY
⊙	⊙	UTILITY POLE	GM
⊙	⊙	CONCRETE SIDEWALK/PAD	HDPE
⊙	⊙	BIT. CONC. SIDEWALK	LF
⊙	⊙	IRON PIPE/IRON PIN	LA
			MCC
			ME
			N/A
			N/F
			OC
			R=
			RD
			RY
			STM
			SWL
			SWL
			SY
			SGC
			TC
			TW
			UP
			VC
			WG
			WSO

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CDG PROJECT #: 23028

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PREPARED FOR:

HY VENTURES LEICESTER, LLC

313 BOSTON POST ROAD WEST
MARLOROUGH, MA 01752

PROJECT:

PROPOSED RETAIL DEVELOPMENT

1621 MAIN STREET (RT-9)
LEICESTER, MA 01524

SCALE:

GRAPHIC SCALE IN FEET

SHEET:

UTILITY PLAN

6

DATE: 09/08/2023

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
DECIDUOUS AND ORNAMENTAL TREES				
LS	3	LIQUIDAMBAR STRYACIFLUA	AMERICAN SWEETGUM	2-2 1/2"
TC	3	TSUGA CANADENSIS	CANADIAN HEMLOCK	2-2 1/2"
TCG	3	TILIA CORDATA GREENSPIRE	GREENSPIRE LITTLE LEAF LINDEN	2-2 1/2"
SHRUBS				
AZ	4	AZALEA DELAWARE VALLEY WHITE	AZALEA DELAWARE VALLEY WHITE	#5
IL	3	ILIX OPACA	AMERICAN HOLLY	#5
VIB	2	VIBURNUM CARLES	MAYFLOWER VIBURNUM	#5
PERENNIALS AND GRASSES				
CA	46	CALAMAGROSTIS X ACUTIFLORA	FEATHER REED GRASS	1 GAL.
FE	44	FESTUCA c. 'ELIJAH BLUE'	ELIJAH BLUE FESCUE	1 GAL.
HH	46	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILLIES	1 GAL.
IS	46	IRIS SIBERICA 'CAESAR'S BROTHER'	CAESAR'S BROTHER'S IRIS	1 GAL.

GENERAL NOTES

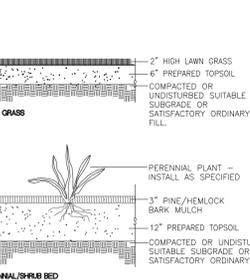
- CONTRACTOR SHALL MAKE A SITE VISIT PRIOR TO BIDDING TO EXAMINE EXISTING CONDITIONS FOR THEMSELVES. CONTRACTOR TO FAMILIARIZE THEMSELVES WITH DESIGN DOCUMENTS, NOTES & DETAILS AND THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, CURRENT EDITION.
- CONTRACTOR SHALL NOTIFY/COORDINATE WITH THE MUNICIPALITY PRIOR TO PLANT MATERIAL INSTALLATION.
- PRIOR TO THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL CONTACT DIG SAFE @ 1-888-344-7233 TO HAVE THE EXISTING UTILITIES MARKED.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS. SEE SPECIFICATION.
- ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY "THE AMERICAN STANDARD FOR NURSERY STOCK," PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. ANSI Z60.1-CURRENT EDITION.
- ALL PLANTS TO BE BALLED IN BURLAP OR CONTAINER GROWN. NO PLASTIC BURLAP.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE (1) FULL YEAR FROM DATE OF ACCEPTANCE.
- HEAL ALL CONSTRUCTION SCARS WITH NATURALIZED GRASS, LAWN OR MULCH AS INDICATED ON PLAN.
- "DRY ROOTS" SHALL BE ADDED TO ALL NEW TREE PLANTING PITS. ALL NEW LOAM SHALL BE TESTED AND AMENDED AS STATED IN THE LOAM REPORT PROVIDED BY LOAM SUPPLIER.
- LANDSCAPE CONTRACTOR SHALL SUBMIT A WATERING SCHEDULE PROGRAM FOR THE 60 DAY MAINTENANCE PERIOD TO OWNER FOR ALL PROPOSED PLANT MATERIAL.
- PROTECT EXISTING PLANT MATERIAL WITHIN CONSTRUCTION LIMITS. PROVIDE WATERING PROGRAM FOR ALL PROPOSED PLANT MATERIAL DURING CONSTRUCTION.

IRRIGATION NOTES

- THE DESIGN/BUILD IRRIGATION SUB-CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM FOR THE IRRIGATION AREAS SHOWN ON THE PLAN, WHICH INCLUDES NEW AND EXISTING TRANSPLANTED PLANT MATERIALS. SHOP DRAWINGS SHALL BE PROVIDED AT A SUITABLE SCALE TO ILLUSTRATE THAT THE DESIGNATED PLANT MATERIALS WILL BE IRRIGATED BY EITHER SPRAY HEADS, MIST HEADS OR DRIP IRRIGATION TUBING.
- IRRIGATION TO BE COORDINATED WITH GENERAL CONTRACTOR TO LOCATE THE NECESSARY PVC SLEEVING TO COMPLETE IRRIGATION PROGRAM.
- ALL LAWN AREAS SHALL BE SPRAY HEAD IRRIGATED. THE HEADS SHALL BE LOCATED FOR HEAD TO HEAD COVERAGE WITH ABSOLUTELY NO OVER-SPRAY ONTO THE PAVEMENT.
- ALL TREES, SHRUBS AND GROUND COVER SHALL BE DRIP IRRIGATED/IRRIGATED WITH SHRUB MIST HEADS. CONTRACTOR SHALL BE AWARE THAT THE IRRIGATION SYSTEM SHALL BE ROUTED TO THE PYLON SIGN PLANTINGS AND PLANTERS AROUND THE BUILDING.
- THE IRRIGATION LAYOUT AND ALL OF THE COMPONENTS SHALL CONFORM TO THE SPECIFICATIONS. THE SPECIFICATIONS CALL FOR SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL, AS WELL AS CONFORMANCE TO THE MATERIALS SPECIFIED.
- THE CONTRACTOR SHALL BE EXTREMELY CAREFUL DURING THE INSTALLATION PROCESS NOT TO DISTURB NEW OR EXISTING PLANT MATERIALS. THE CONTRACTOR IS TO COORDINATE HIS WORK WITH OTHER SUB-CONTRACTORS.
- SLEEVING UNDER PAVEMENTS MUST BE AVAILABLE AND IN THE PROPER LOCATION PRIOR TO PAVING.
- THE IRRIGATION CONTRACTOR SHALL CONFORM TO ANY LOCAL CODES OR ORDINANCES THAT MAY BE REQUIRED TO COMPLETE THE WORK.
- THE IRRIGATION ALTERNATE SHALL INCLUDE THE COST OF CONNECTING TO THE BUILDING WATER SERVICE DOWN STREAM OF THE BACK FLOW PREVENTER OF THE IRRIGATION WELL.
- THE IRRIGATION CONTRACTOR SHALL TEST WATER SOURCE FOR WATER QUALITY INCLUDING MINERALS THAT MAY CAUSE STAINING OF CONCRETE, GRANITE, PAVEMENT & CURBS.

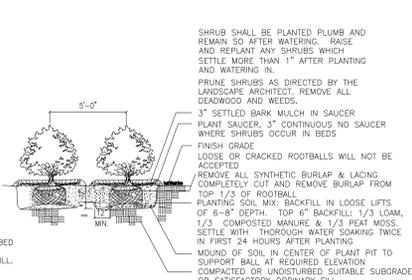
LEGEND

- PROTECT EXISTING TREES TO REMAIN, TYP.
- ORNAMENTAL & FLOWERING TREES (DRIP OR MIST HEAD IRRIGATION)
- PERENNIALS (DRIP OR MIST HEAD IRRIGATION)
- SEEDED LAWN (SPRAY-HEAD IRRIGATION)
- IRRIGATION SLEEVES

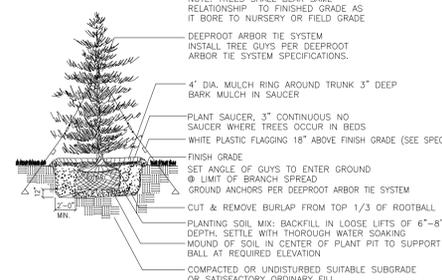


1 PERENNIAL LAWN + NATURALIZED GRASS
SCALE: N.T.S.

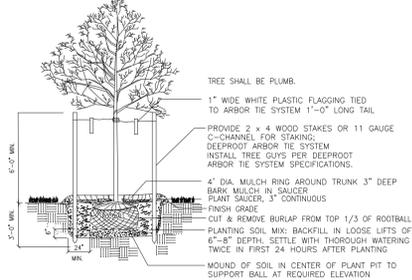
NOTES: SHRUB SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.



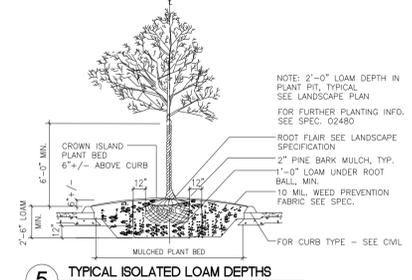
2 TYPICAL SHRUB PLANTING
SCALE: N.T.S.



3 EVERGREEN TREE PLANTING
SCALE: N.T.S.



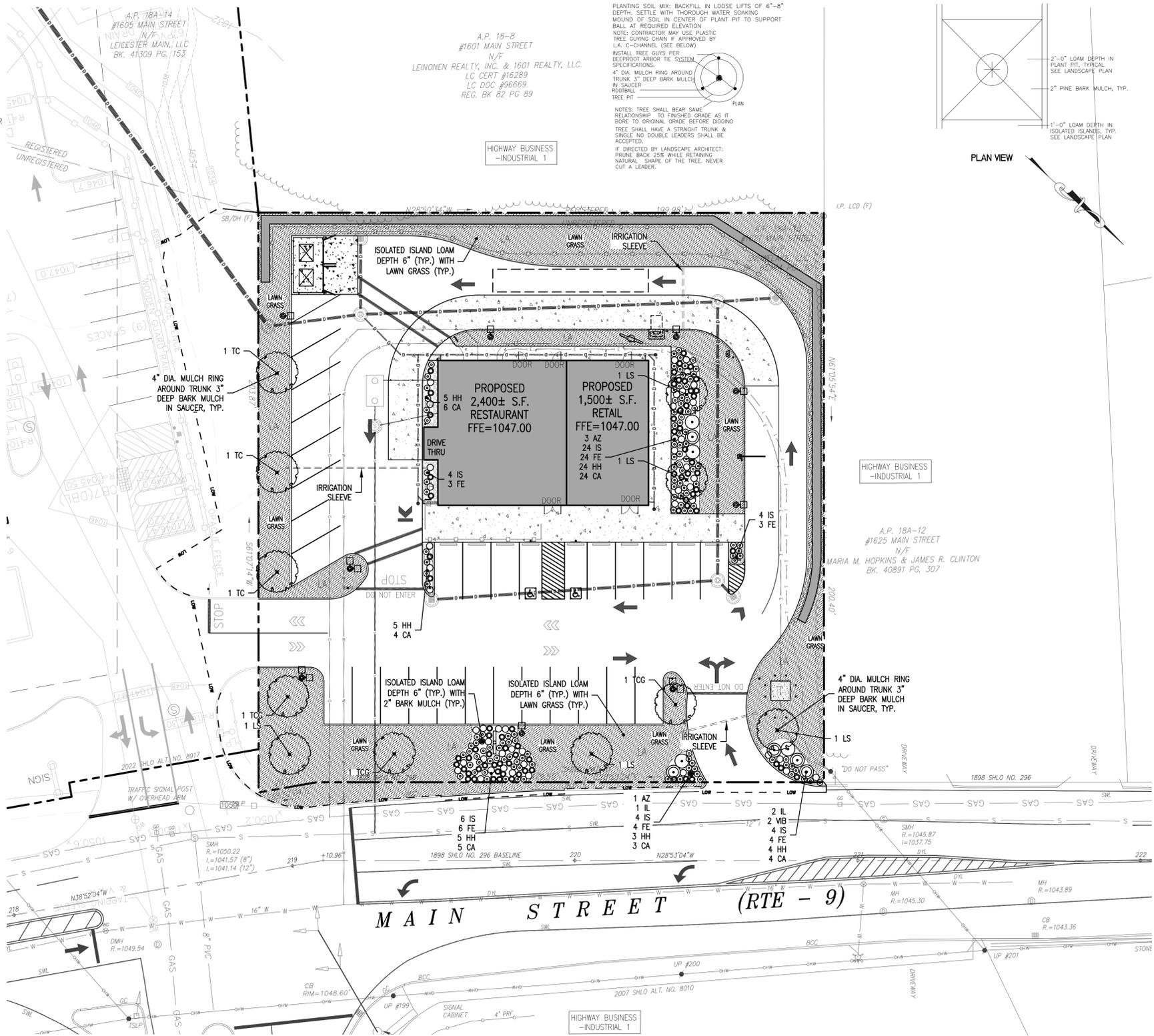
4 DECIDUOUS TREE PLANTING AND STAKING
SCALE: N.T.S.



5 TYPICAL ISOLATED LOAM DEPTHS
SCALE: N.T.S.

LANDSCAPE NOTES

- LOAM DEPTHS SHALL BE AS FOLLOWS:
 - LAWN AREAS: 6" ROLLED THICKNESS
 - PLANT BEDS: 1"-0" LOAM DEPTH IN THE PLANTED AREA WITH 2" MULCH
 - ISOLATED PLANTED ISLANDS: 1"-0" LOAM DEPTH
- LAWN GRASS SHALL BE LANDSCAPE/UTILITY MIXTURE FOR SUN/SHADE AND MAY INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING SPECIES:
 - ENCHANTED PERENNIAL RYEGRASS
 - CREeping RED FESCUE
 - GOLDRUSH KENTUCKY BLUEGRASS



NOT FOR CONSTRUCTION

CDG PROJECT #: 23028

REVISIONS:

REV	DATE	COMMENT
1		
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SEAL:

PHILIP R. HENRY, P.E.

PLANNING BOARD:

CIVIL ENGINEER:

CIVIL DESIGN GROUP, LLC

21 HIGH STREET, SUITE 207
NORTH ANDOVER, MA 01845
www.cdengineering.com
p: 978-794-5400 f: 978-965-3971

PREPARED FOR:

HY VENTURES LEICESTER, LLC

313 BOSTON POST ROAD WEST
MARLOROUGH, MA 01752

PROJECT:

PROPOSED RETAIL DEVELOPMENT

1621 MAIN STREET (RT-9)
LEICESTER, MA 01524

SCALE:

GRAPHIC SCALE IN FEET

SHEET: **LANDSCAPE PLAN**

7

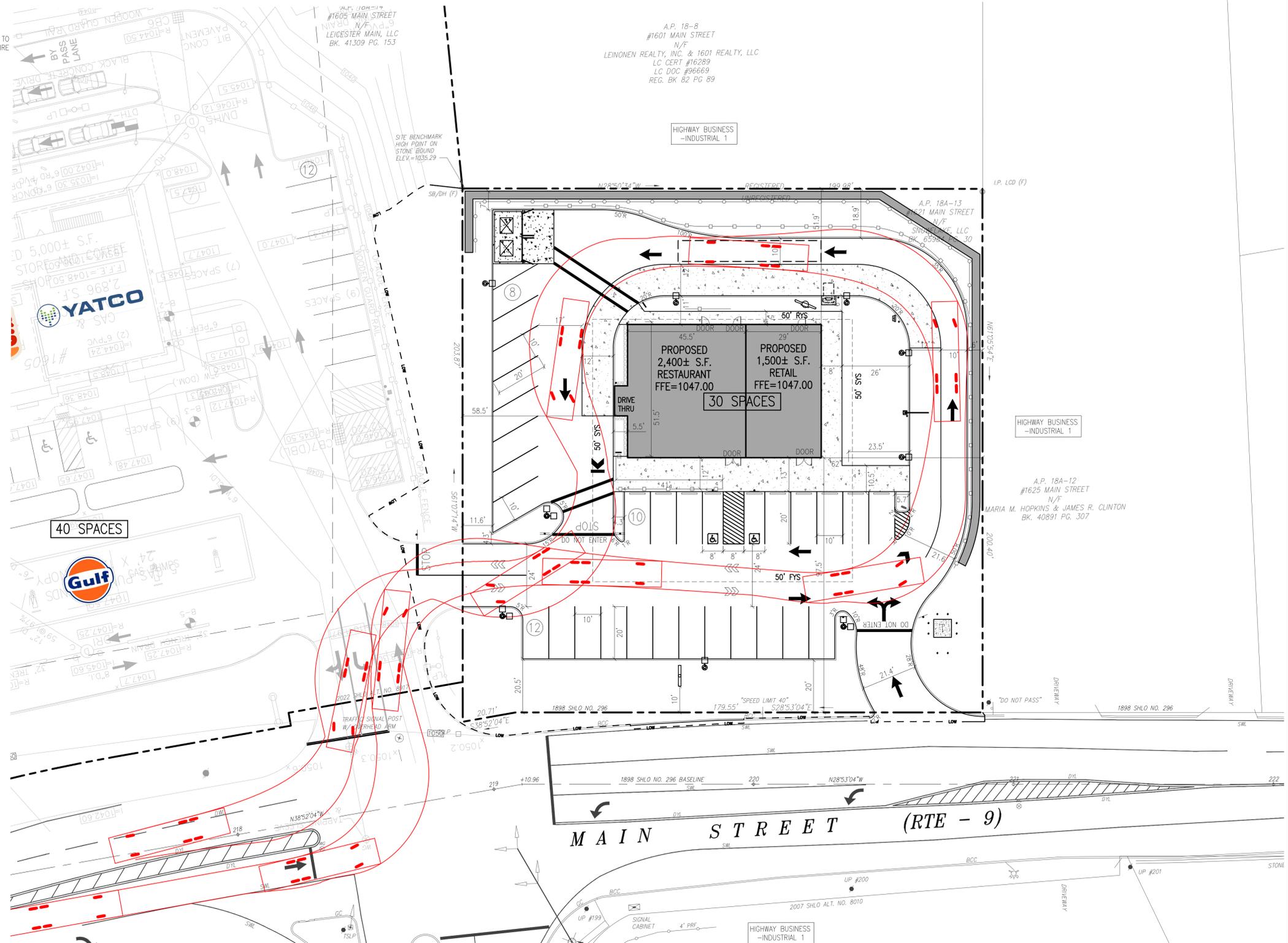
DATE: 08/21/2023

BOARD OF FIRE PREVENTION REGULATION COMPLIANCE

1. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.1.1.4, FIRE APPARATUS MANEUVERS / VEHICLE SWEEP PATHS HAVE BEEN PROVIDED.
2. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.1.1.5, THIS PLAN BEARS THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER.
3. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.2.3.2.1.1, ACCESS ROADS EXTEND TO WITHIN 150' OF AT LEAST ONE EXTERIOR DOOR THAT CAN BE OPENED FROM THE OUTSIDE.
4. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.2.3.2.2.1, ANY PORTION OF THE EXTERIOR WALL OF THE FIRST STORY OF EACH BUILDING IS WITHIN 250' OF AN ACCESS ROAD.
5. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.2.3.4.1.1, ACCESS ROADS HAVE BEEN PROVIDED WITH UNOBSTRUCTED WIDTHS OF NOT LESS THAN 20'.
6. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.2.3.4.1.2, ACCESS ROADS HAVE BEEN PROVIDED WITH UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13'-6".
7. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.2.3.4.3.1, INSIDE TURNING RADII HAVE BEEN PROVIDED EQUAL TO OR GREATER THAN THE EQUIVALENT OF 25' RADII FOR A 20' WIDE ACCESS ROAD.
8. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.2.3.4.2, ACCESS ROADS HAVE BEEN DESIGNED TO SUPPORT FIRE APPARATUS AND ARE PROVIDED WITH AN ALL-WEATHER DRIVING SURFACE.
9. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.2.3.4.4, TURNAROUND PROVISIONS HAVE BEEN MADE FOR DEAD-END ACCESS ROADS.
10. IN ACCORDANCE WITH 527 CMR 1 SECTION 18.2.3.4.6.1, ACCESS ROAD GRADES DO NOT EXCEED 10%.
11. CIVIL DESIGN GROUP RECOMMENDS THAT THE FIRE TRUCK MANEUVERING BE FIELD VERIFIED AS SOON AS PRACTICABLE WITH THE AMHERST FIRE DEPARTMENT PRESENT TO WITNESS THE SAME. CDG SHALL NOT BE HELD LIABLE FOR THE INABILITY OF THE FIRE TRUCK TO ACCESS AND EXIT THE SITE.



LEICESTER TOWN LADDER 53 TRUCK DIMENSIONS



NOT FOR CONSTRUCTION

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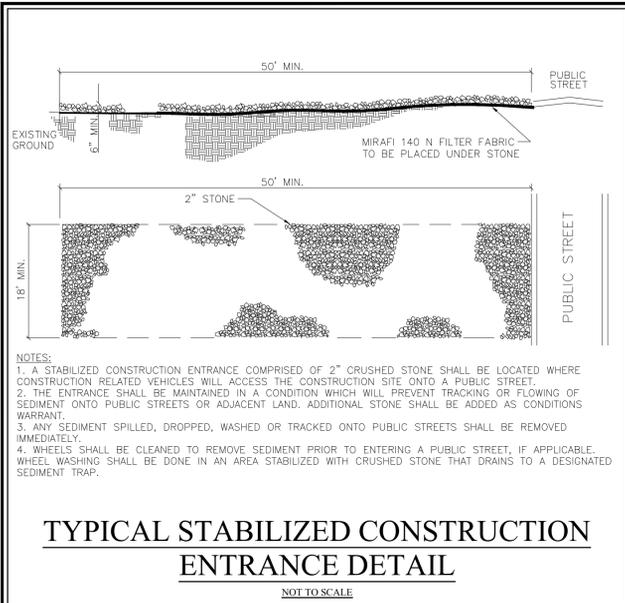
GRAPHIC SCALE IN FEET

SHEET:

FIRE APPARATUS CIRCULATION PLAN

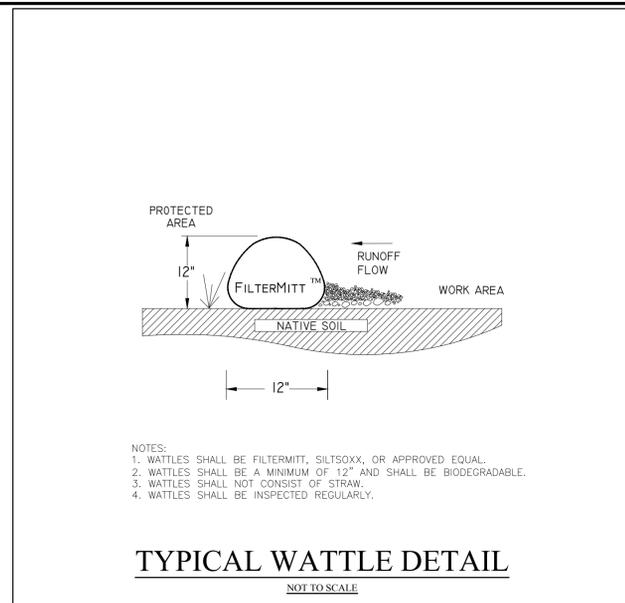
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DATE: 08/21/2023



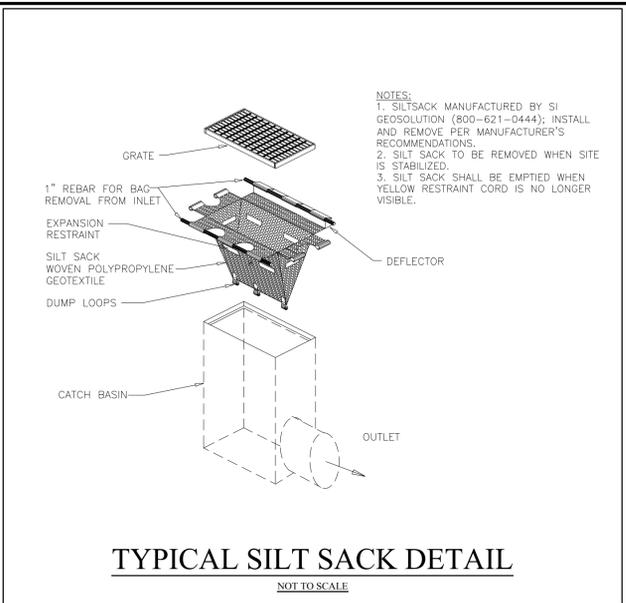
TYPICAL STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



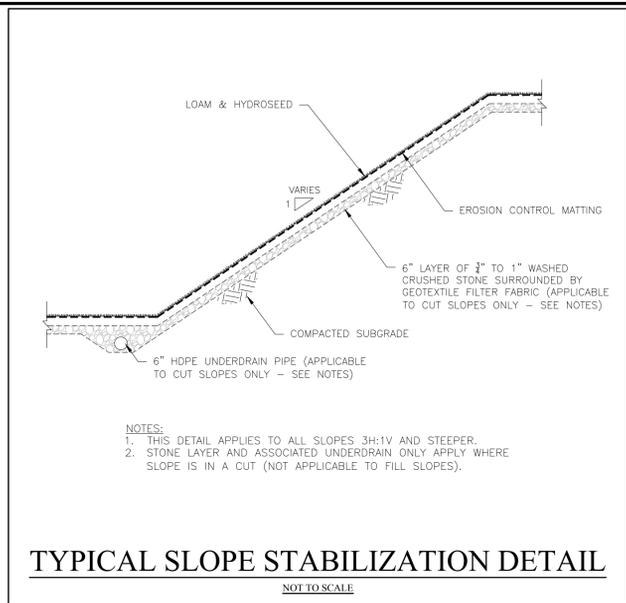
TYPICAL WATTLE DETAIL

NOT TO SCALE



TYPICAL SILT SACK DETAIL

NOT TO SCALE



TYPICAL SLOPE STABILIZATION DETAIL

NOT TO SCALE

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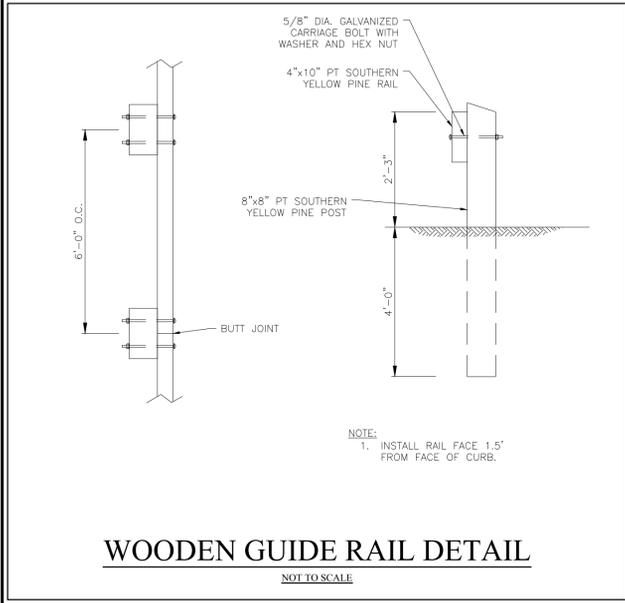
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CONSTRUCTION DETAILS

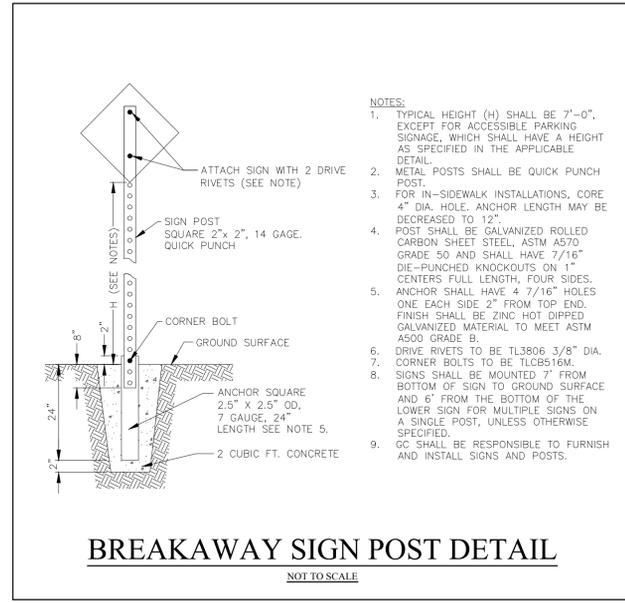
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DATE: 09/08/2023



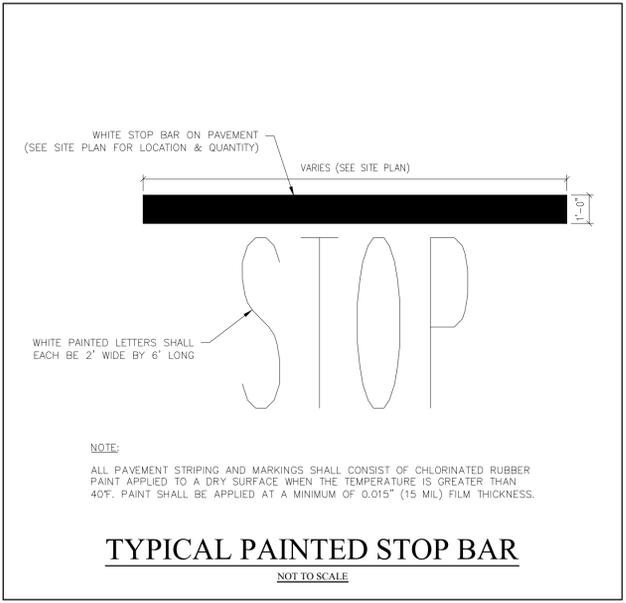
WOODEN GUIDE RAIL DETAIL

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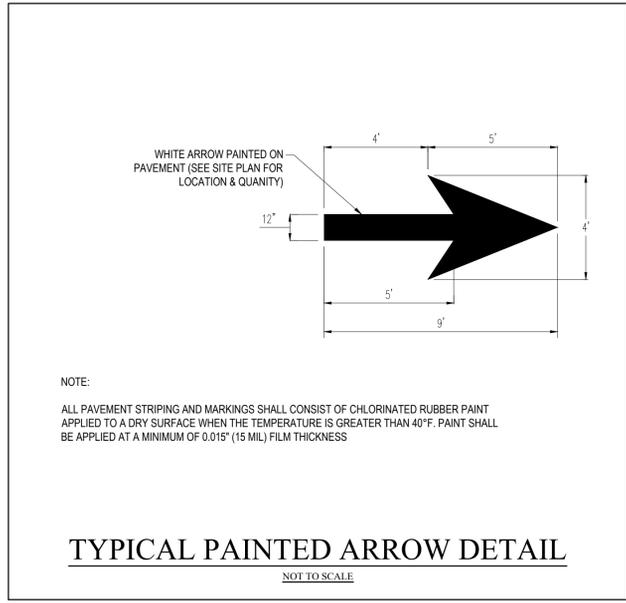
BREAKAWAY SIGN POST DETAIL

NOT TO SCALE



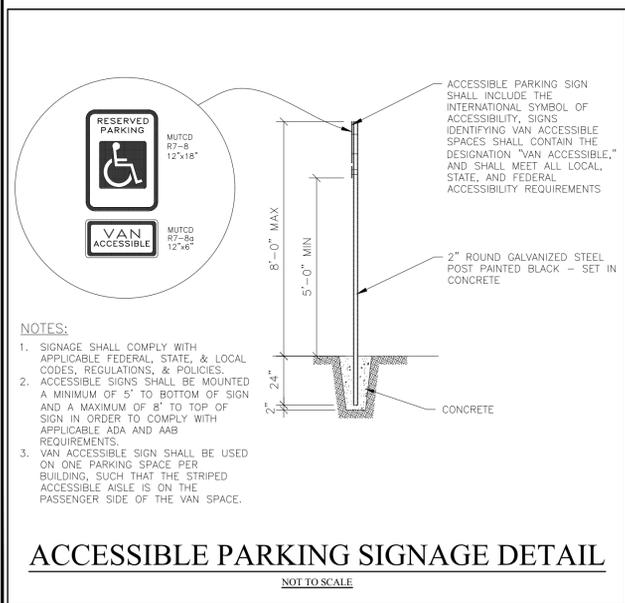
TYPICAL PAINTED STOP BAR

NOT TO SCALE



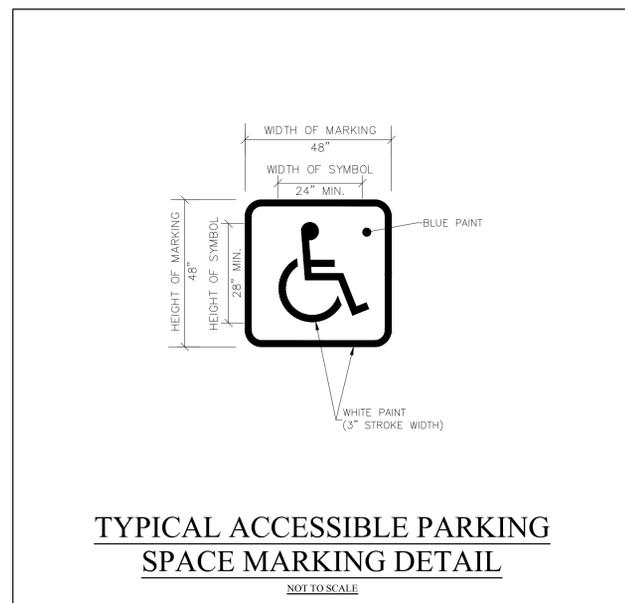
TYPICAL PAINTED ARROW DETAIL

NOT TO SCALE

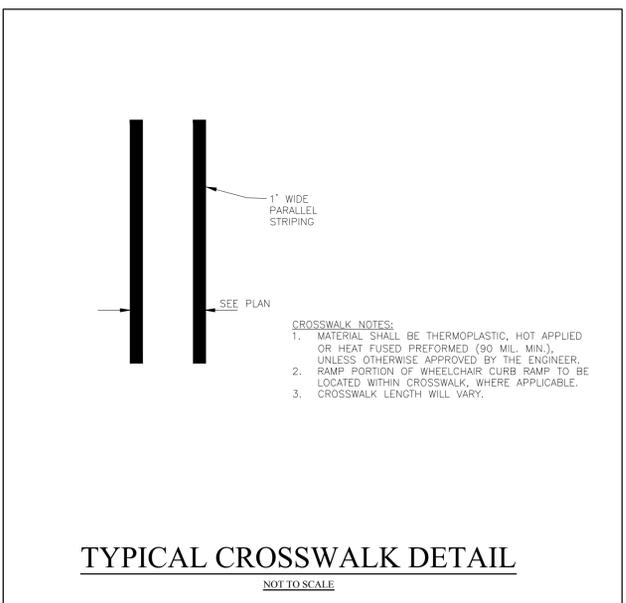


ACCESSIBLE PARKING SIGNAGE DETAIL

NOT TO SCALE

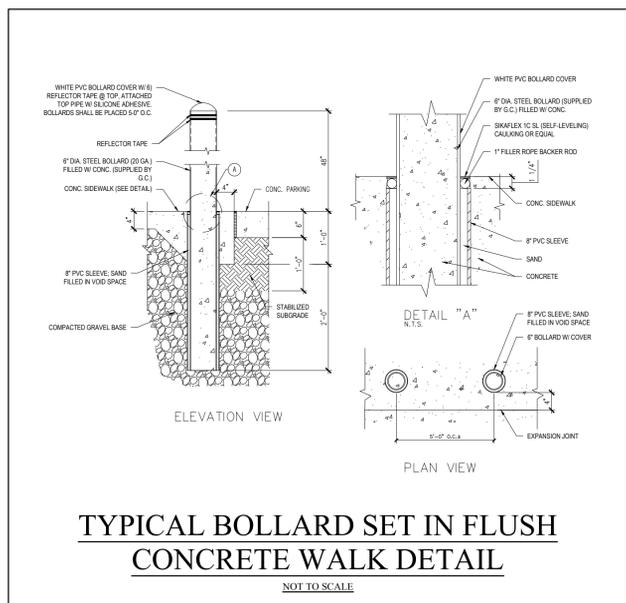


NOT TO SCALE

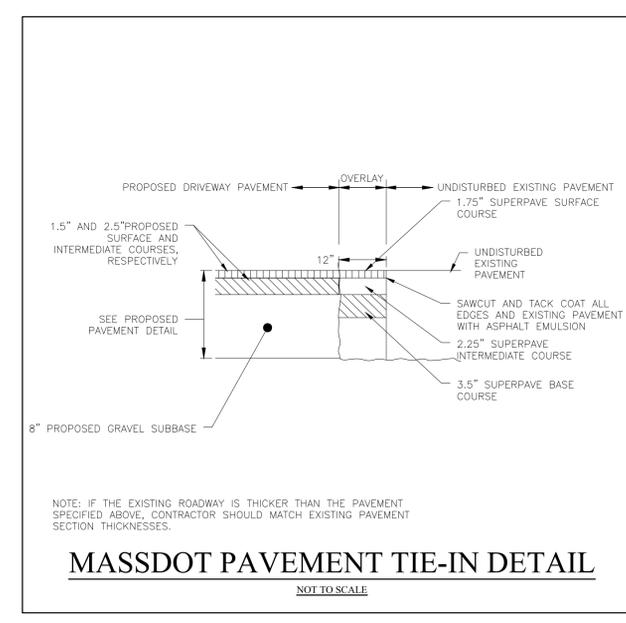
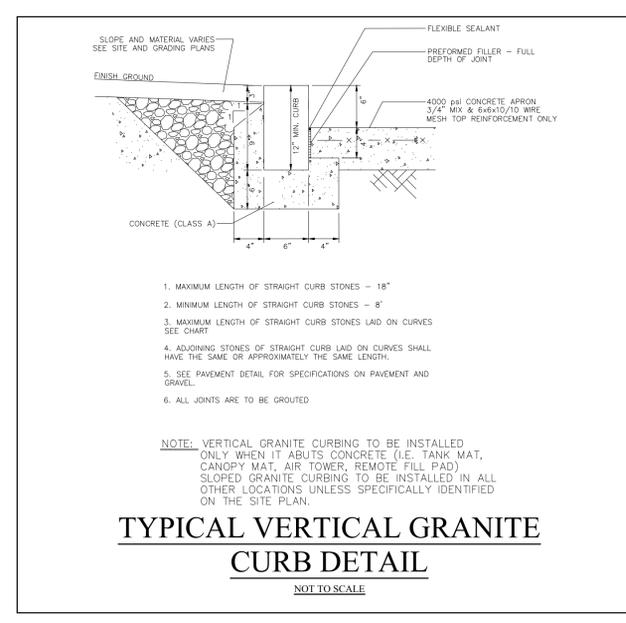
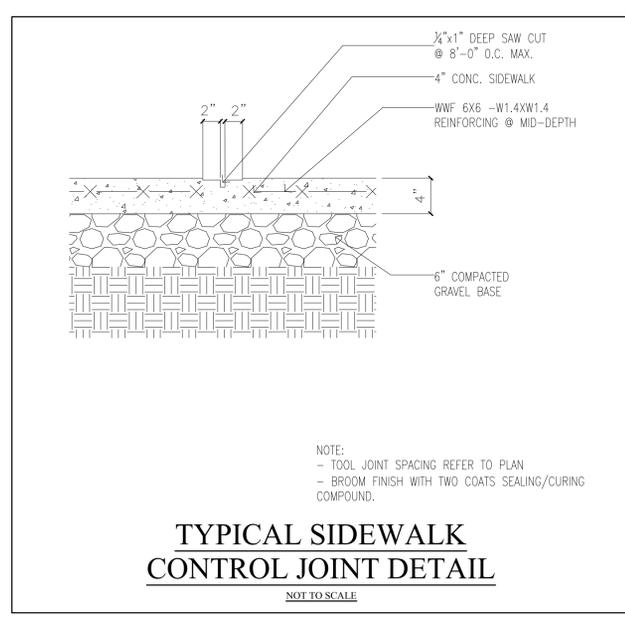
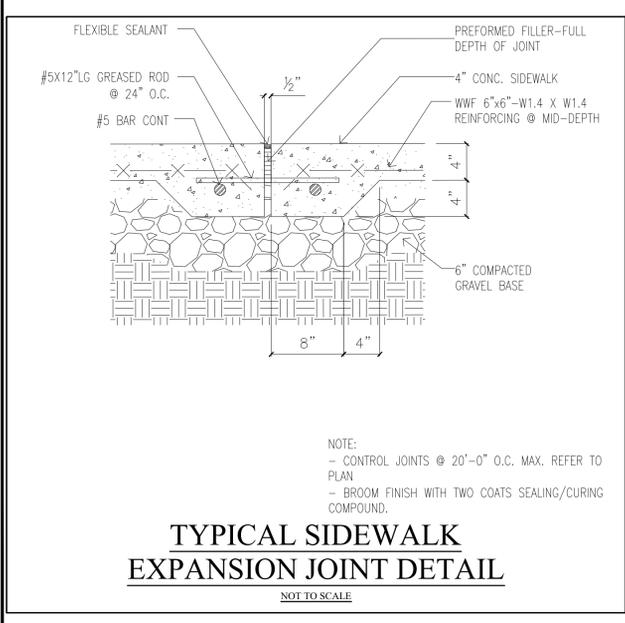
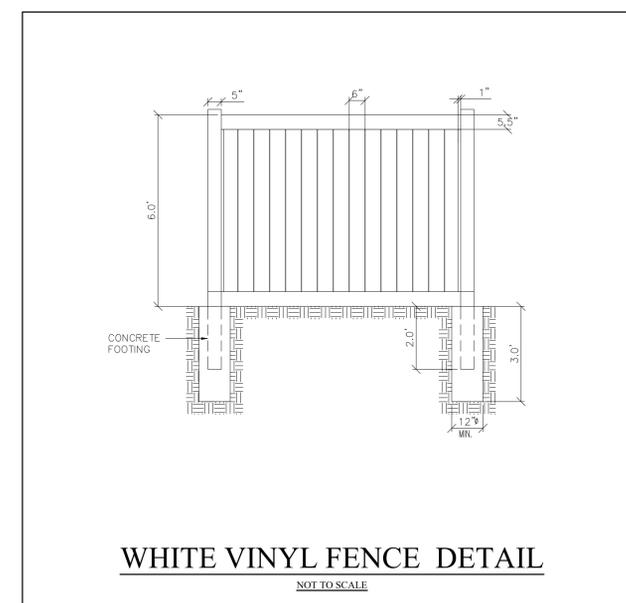
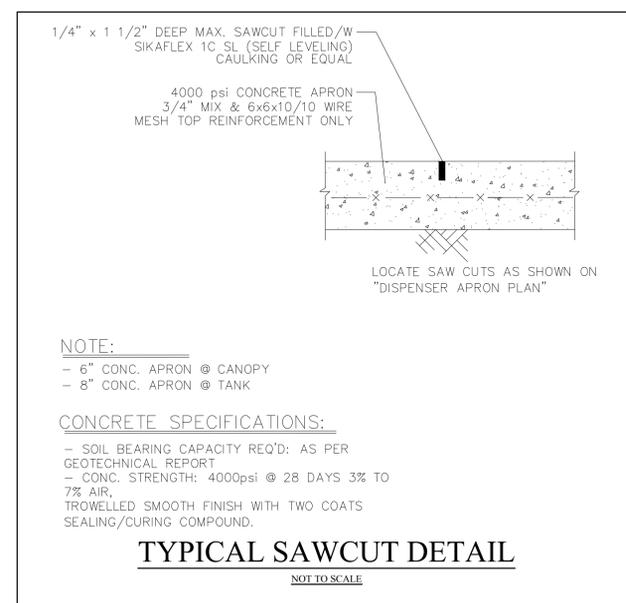
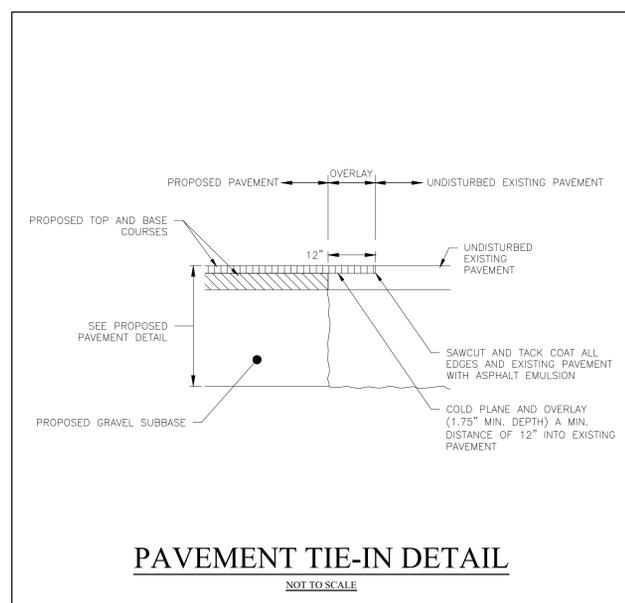
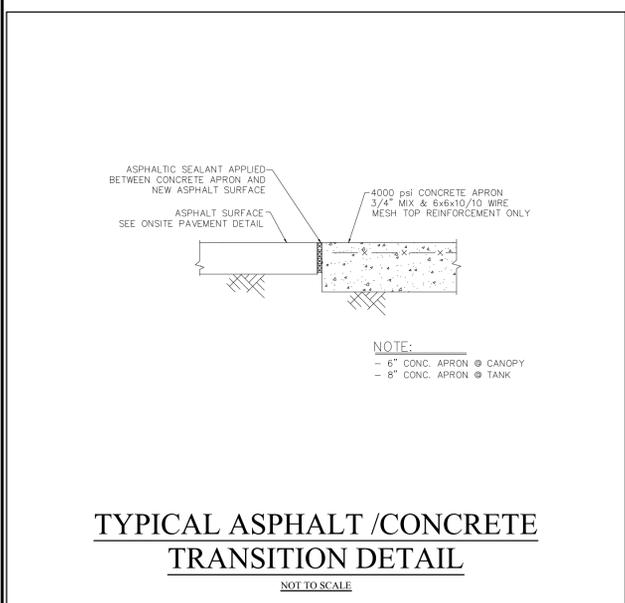
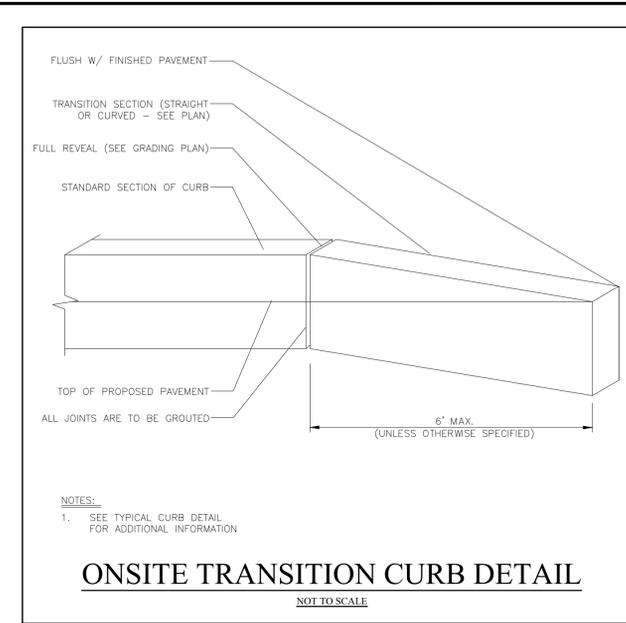
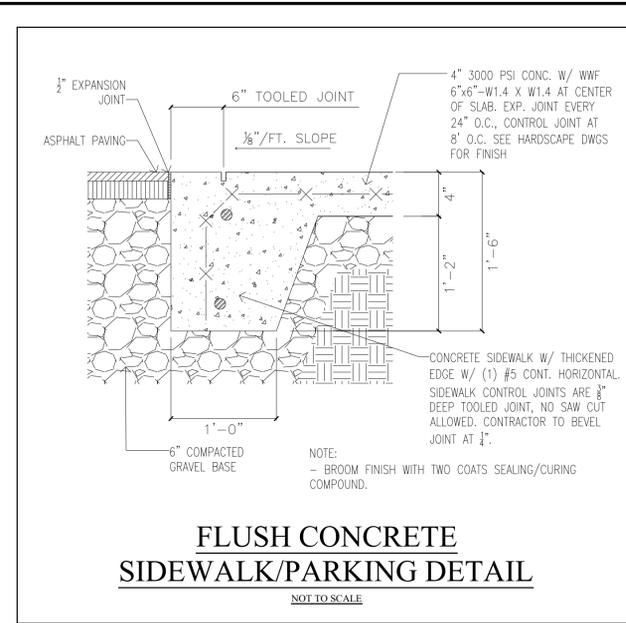
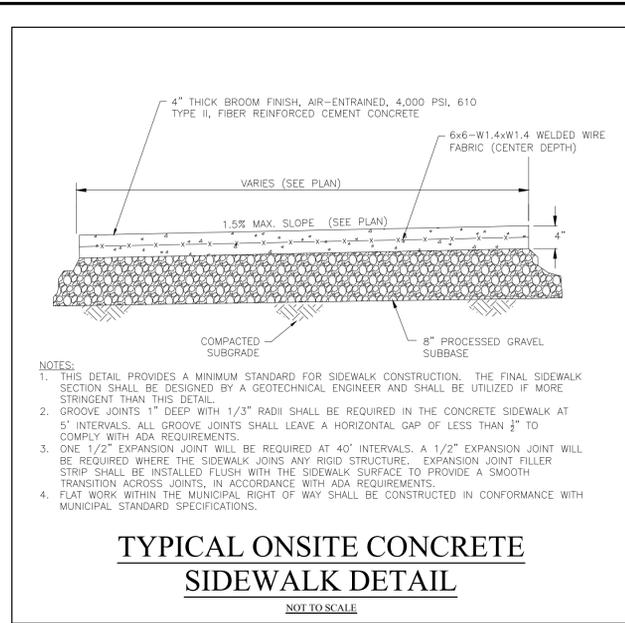
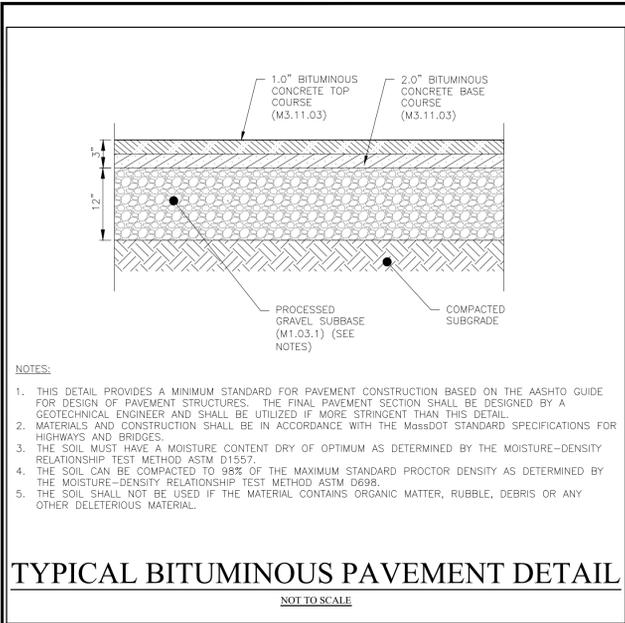


TYPICAL CROSSWALK DETAIL

NOT TO SCALE



NOT TO SCALE



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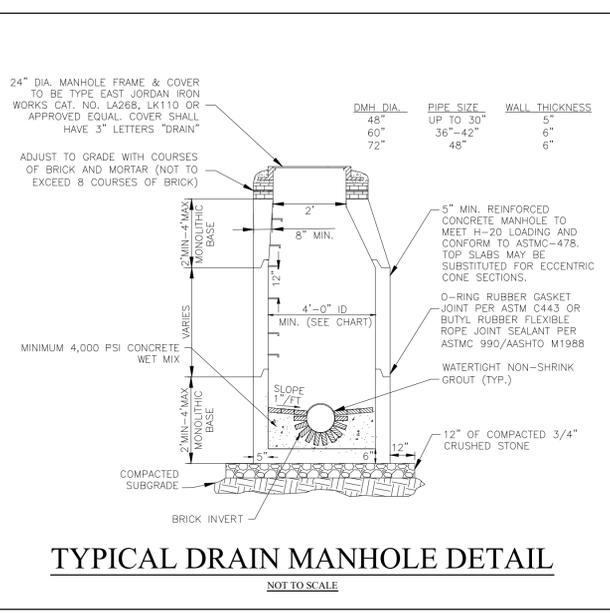
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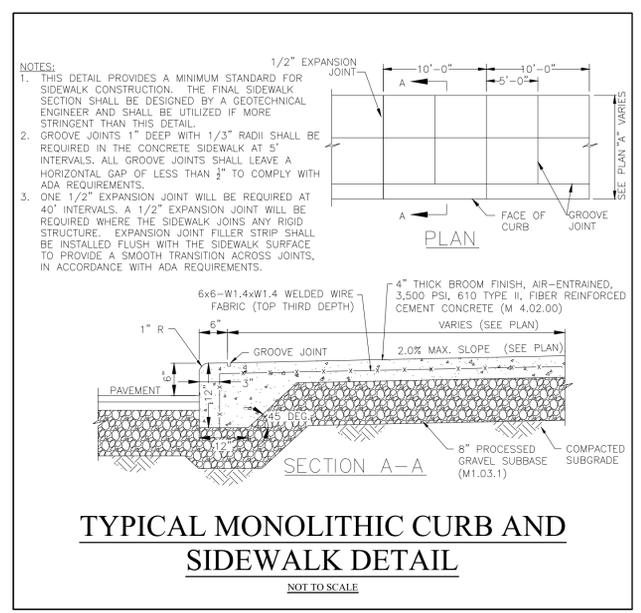
CONSTRUCTION DETAILS

10

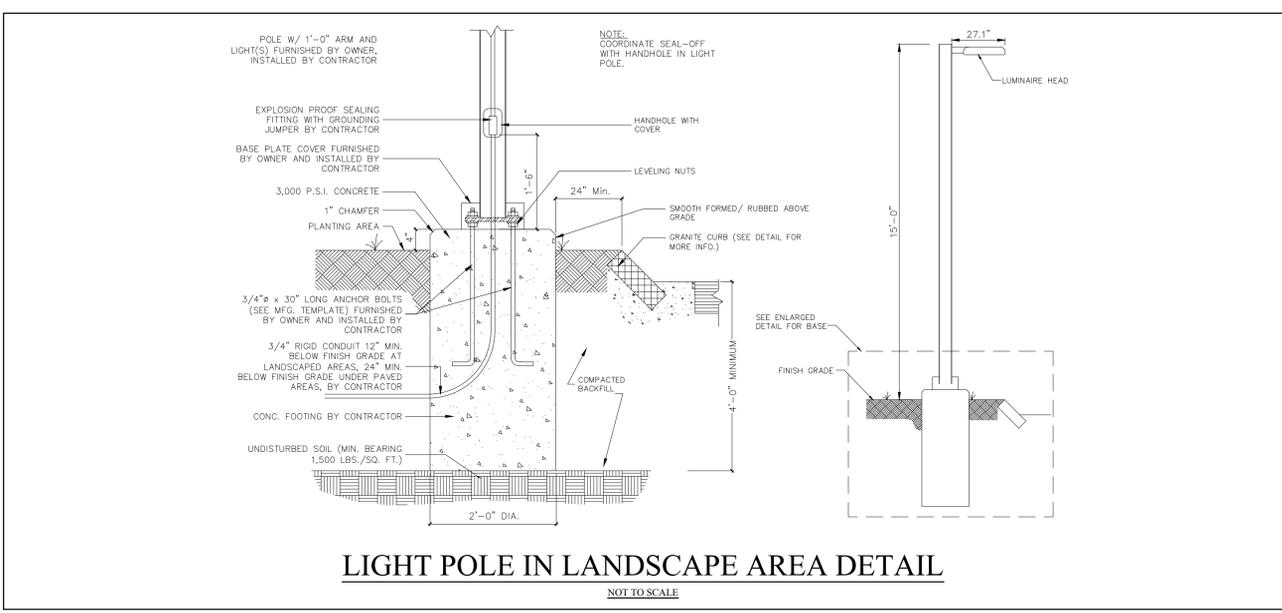
DATE: 09/08/2023



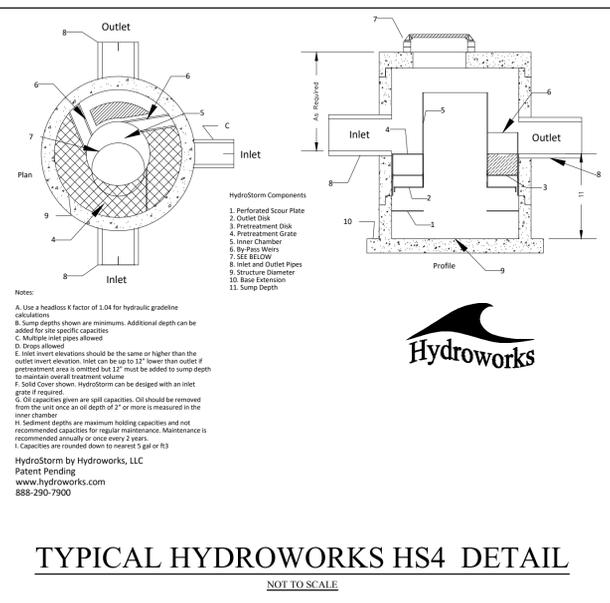
TYPICAL DRAIN MANHOLE DETAIL
NOT TO SCALE



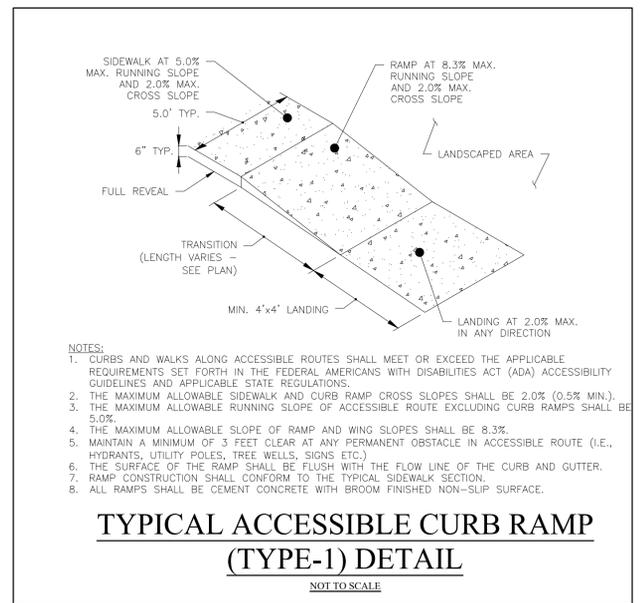
TYPICAL MONOLITHIC CURB AND SIDEWALK DETAIL
NOT TO SCALE



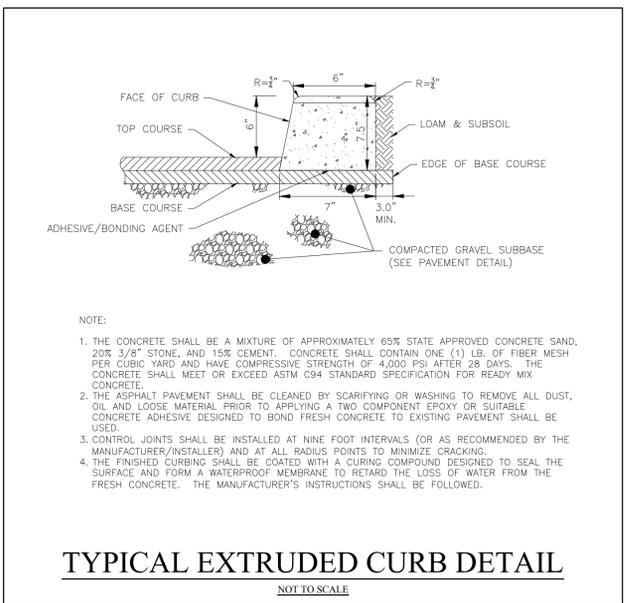
LIGHT POLE IN LANDSCAPE AREA DETAIL
NOT TO SCALE



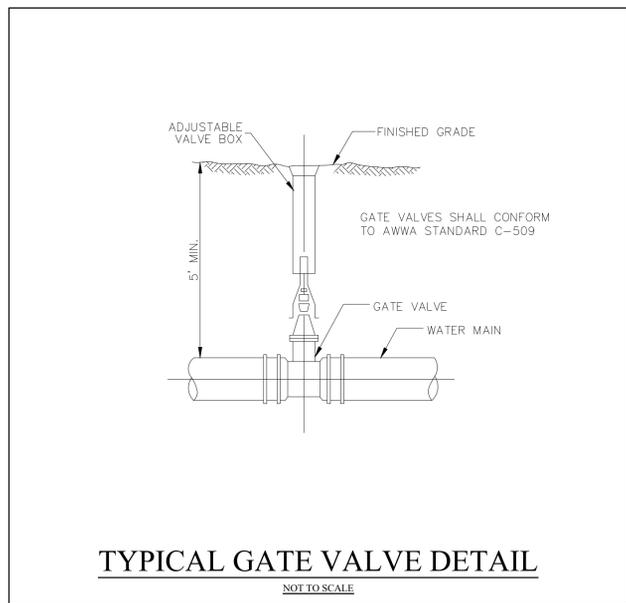
TYPICAL HYDROWORKS HS4 DETAIL
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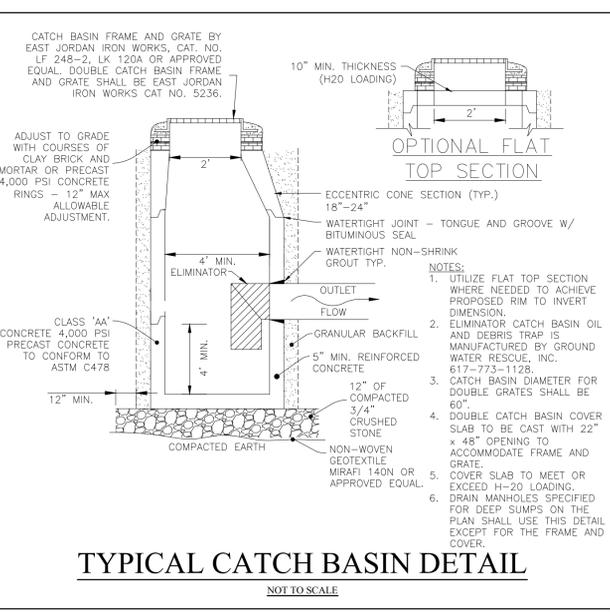
TYPICAL ACCESSIBLE CURB RAMP (TYPE-1) DETAIL
NOT TO SCALE



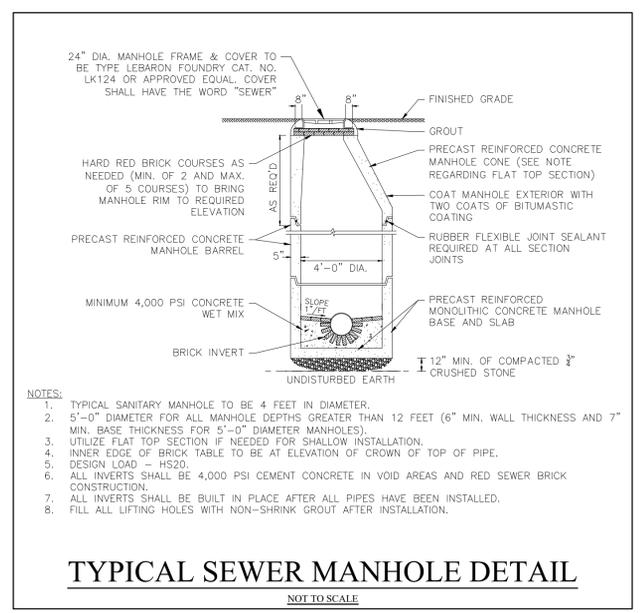
TYPICAL EXTRUDED CURB DETAIL
NOT TO SCALE



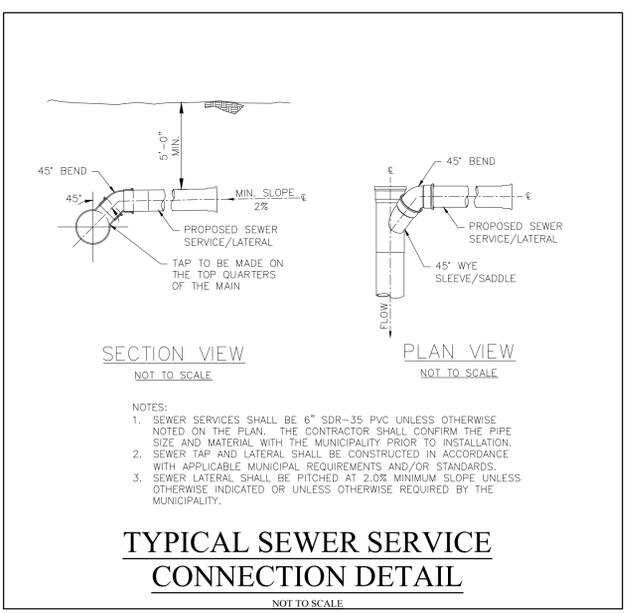
TYPICAL GATE VALVE DETAIL
NOT TO SCALE



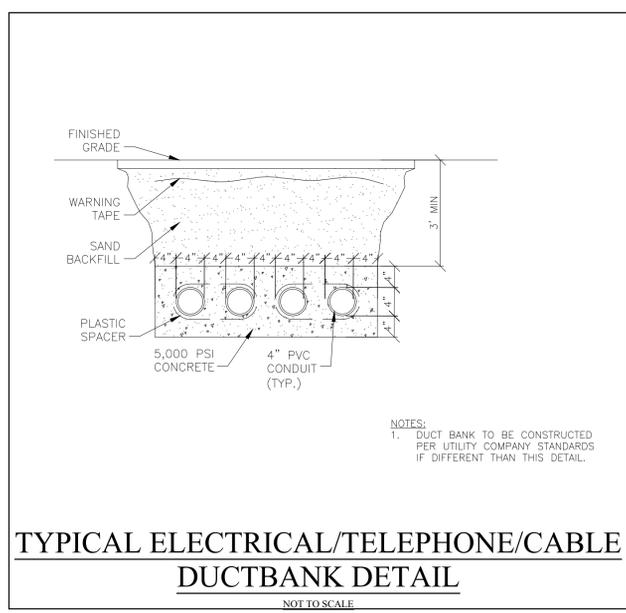
TYPICAL CATCH BASIN DETAIL
NOT TO SCALE



TYPICAL SEWER MANHOLE DETAIL
NOT TO SCALE



TYPICAL SEWER SERVICE CONNECTION DETAIL
NOT TO SCALE



TYPICAL ELECTRICAL/TELEPHONE/CABLE DUCTBANK DETAIL
NOT TO SCALE

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1621 MAIN STREET (RT-9)
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SCALE:

AS NOTED

SHEET:

CONSTRUCTION DETAILS

11

DATE: 09/08/2023

SPECIFICATIONS

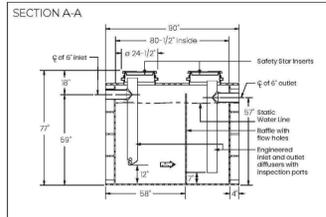
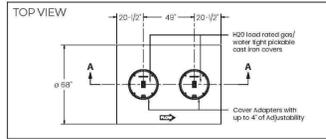
- NOTES**
1. 6" plain end 500-40 Interceptor
 2. 3/4" weight / micron size covers: 1400 lbs; without iron covers: 150 lbs.
 3. Maximum operating temperature: 50° F continuous
 4. Capacities - Liquid: 100 gal; Grease: 6,547 lbs. (694 gal); Solids: 83 gal.
 5. Built-in flow control for series installations; only install flow control on the first unit in the series if necessary.
 6. For gravity drainage applications only.
 7. Do not use for pressure applications.
 8. Cover placement allows full access to tank for proper maintenance.
 9. Vent not required unless per local code.
 10. Engineered inlet and outlet diffusers with inspection ports are removable for inspect / clean piping. For series installations, the top of the next diffuser on the first unit in the series must be spaced.
 11. Integral oil rail / Anti-siphon / Sampling access.

ENGINEER SPECIFICATION GUIDE

Schier Great Basin™ grease interceptor model # GB-1000 shall be field installed and made in USA of seamless, molded polyethylene with minimum 1/4" uniform wall thickness. Interceptor shall be furnished for below grade installation with field adjustable riser system. Interceptor floor shall be 100 GPM. Interceptor grease capacity shall be 6,547 lbs. Cover shall provide rubber gasket seal and have minimum 10,000 lbs. load capacity.

CERTIFIED PERFORMANCE

Great Basin™ system mechanical grease interceptors are third party performance tested and listed by IAPMO ESB to NSF 12.1 and CSA B481.1 grease interceptor standards and gravity septic requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.



Rated Grease Capacities for Units Piped in Series

No. of Units in Series	100 GPM Removal Efficiency
1	88.8% 99%
2	3,094 lbs. 12,614 lbs.
3	10,941 lbs. 18,711 lbs.
4	20,888 lbs. 24,948 lbs.

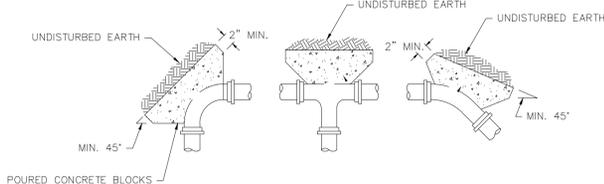
SCHIER MODEL NUMBER: **GB-1000** DESCRIPTION: 100 GPM Polyethylene Grease Interceptor - 1000 gallon capacity

PART # 4080-002-01 | DRAWN BY: B. Kemer | DATE: 1/10/2020 | REV: 141/12019 | F00

1600 Woodland Road | Lewiston, ME 04240 | Tel: 82-958-3300 | www.schierproducts.com | © Copyright 2020 Schier. All rights reserved. | page 4 of 4

GREASE TRAP DETAIL

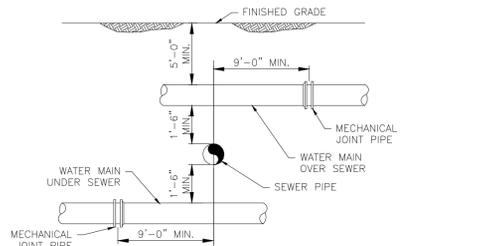
NOT TO SCALE



- NOTES:**
1. SPECIFIC THRUST BLOCK DESIGN SHALL CONFORM TO AWWA GUIDELINES.
 2. PLACE 4 mil. POLYETHYLENE BETWEEN CONCRETE AND FITTING (CONCRETE SHALL NOT INTERFERE WITH JOINT).
 3. MINIMUM CONCRETE THICKNESS SHALL BE 12 INCHES.
 4. THRUST BLOCK ORIENTATION SHALL BE SUCH THAT THE CENTER OF THE FITTING CORRESPONDS WITH THE CENTER OF THE THRUST BLOCK.
 5. THE MINIMUM ALLOWABLE ANGLE (EITHER VERTICAL OR HORIZONTAL) SHALL BE 45 DEGREES.

TYPICAL THRUST BLOCK DETAIL

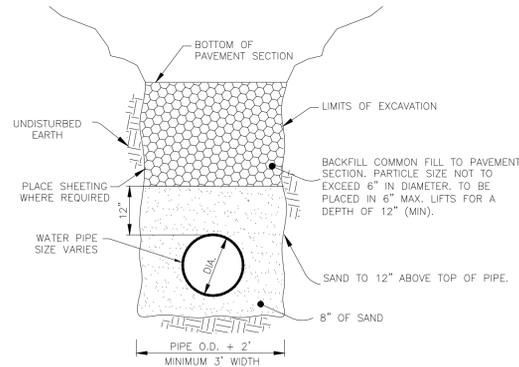
NOT TO SCALE



- NOTES:**
1. SEWERS SHALL BE KEPT REMOTE FROM WATER SUPPLY PIPING AND STRUCTURES, WHEREVER FEASIBLE. SEWERS SHOULD BE LAID AT A MINIMUM HORIZONTAL DISTANCE OF 10 FEET FROM WATER MAINS. IF LOCAL CONDITIONS PREVENT THIS, THE WATER MAIN SHOULD BE LAID IN A SEPARATE TRENCH, AND THE ELEVATIONS OF THE CROWN OF THE SEWER PLACED AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER MAIN.
 2. WHENEVER SEWERS MUST CROSS UNDER WATER MAINS, THE CROWN OF THE SEWER SHOULD BE PLACED A MINIMUM OF 18 INCHES BELOW THE INVERT OF THE WATER MAIN. IN ADDITION, THE WATER MAIN MUST BE CONSTRUCTED WITH ONE FULL LENGTH OF PIPE CENTERED ABOVE THE CROSSING. THE WATER PIPE SHALL HAVE MECHANICAL JOINTS FOR A MINIMUM DISTANCE OF 10 FEET ON EACH SIDE OF THE CROSSING.
 3. WHEN IT IS IMPOSSIBLE TO OBTAIN HORIZONTAL OR VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER AND THE SEWER PIPING SHALL BE CONSTRUCTED SUCH THAT THE PIPE JOINTS ARE PLACED AS FAR AWAY FROM THE CROSSING AS POSSIBLE AND THE PIPE CROSSING SHALL BE SLEEVED A DISTANCE OF 10 FEET ON ALL SIDES OF THE CROSSING.

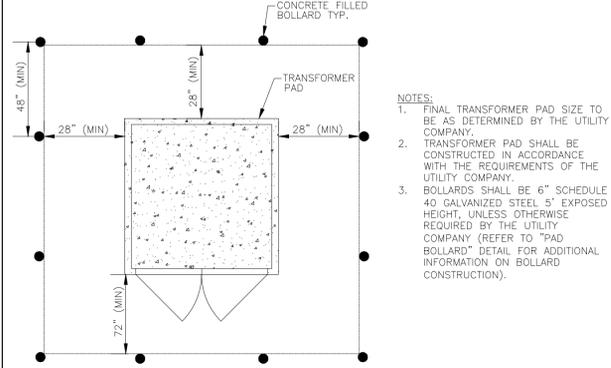
WATER/SEWER CROSSING DETAIL

NOT TO SCALE



TYPICAL WATER TRENCH DETAIL

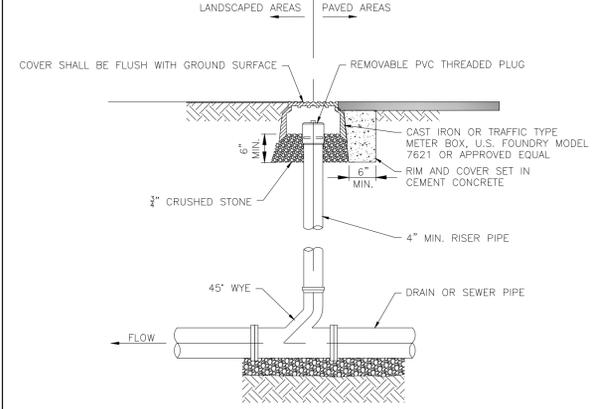
NOT TO SCALE



- NOTES:**
1. FINAL TRANSFORMER PAD SIZE TO BE AS DETERMINED BY THE UTILITY COMPANY.
 2. TRANSFORMER PAD SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY.
 3. BOLLARDS SHALL BE 6" SCHEDULE 40 GALVANIZED STEEL 5' EXPOSED HEIGHT, UNLESS OTHERWISE REQUIRED BY THE UTILITY COMPANY (REFER TO "PAD BOLLARD" DETAIL FOR ADDITIONAL INFORMATION ON BOLLARD CONSTRUCTION).

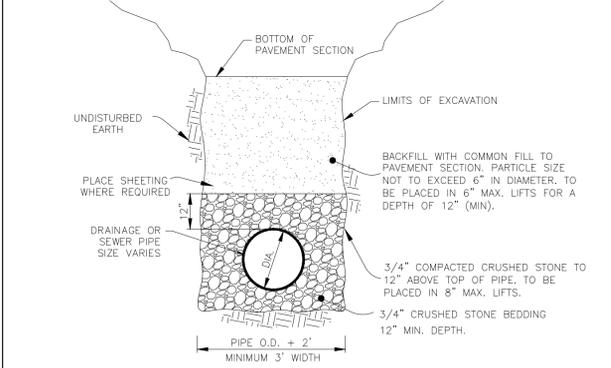
TYPICAL TRANSFORMER PAD DETAIL

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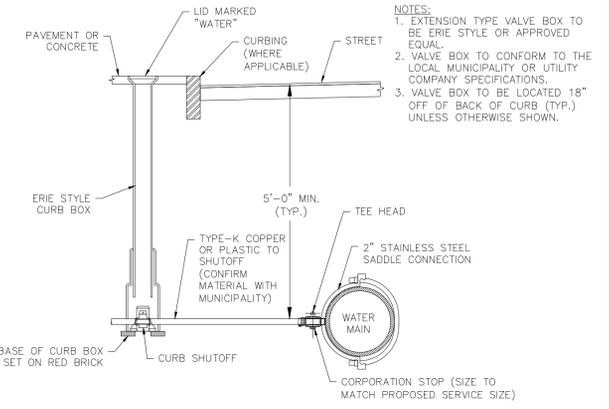
TYPICAL CLEANOUT DETAIL

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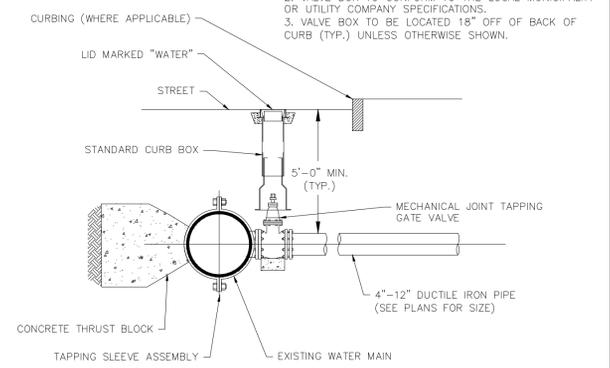
TYPICAL DRAIN & SEWER TRENCH DETAIL

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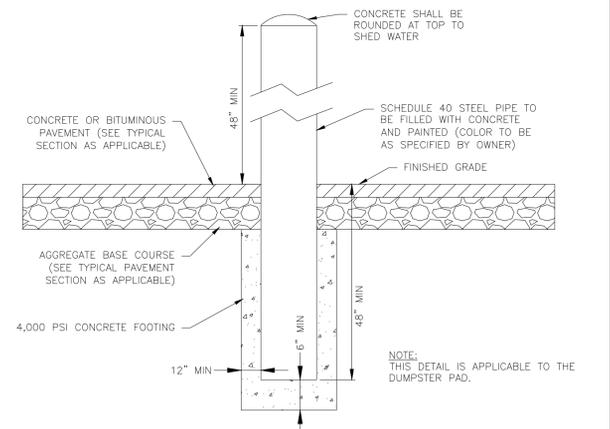
TYPICAL WATER SERVICE CONNECTION DETAIL

NOT TO SCALE



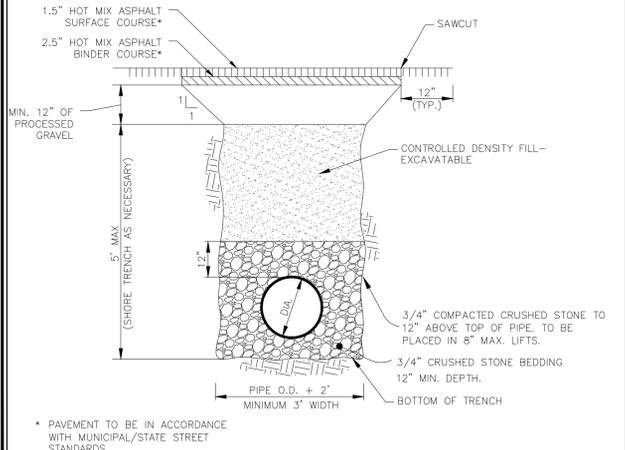
TAPPING SLEEVE CONNECTION DETAIL

NOT TO SCALE



TYPICAL PAD BOLLARD DETAIL

NOT TO SCALE



UTILITY TRENCH DETAIL IN EXISTING PAVEMENT TO REMAIN

NOT TO SCALE

* PAVEMENT TO BE IN ACCORDANCE WITH MUNICIPAL/STATE STREET STANDARDS

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LEICESTER, MA 01524

SCALE:

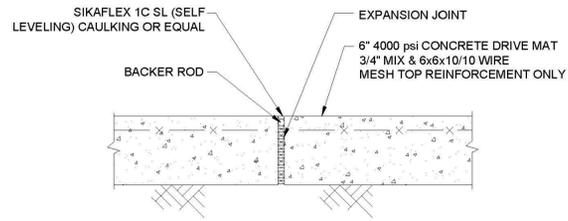
AS NOTED

SHEET:

CONSTRUCTION DETAILS

12

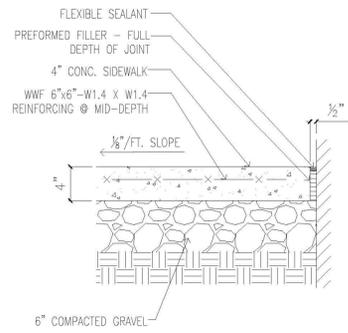
DATE: 09/08/2023



CONCRETE SPECIFICATIONS:
 -SOIL BEARING CAPACITY REQ'D: AS PER GEOTECHNICAL REPORT
 -CONC. STRENGTH: 4000psi @ 28 DAYS 3% TO 7% AIR, TROWELLED SMOOTH FINISH WITH TWO COATS SEALING/CURING COMPOUND.

TYPICAL EXPANSION JOINT DETAIL

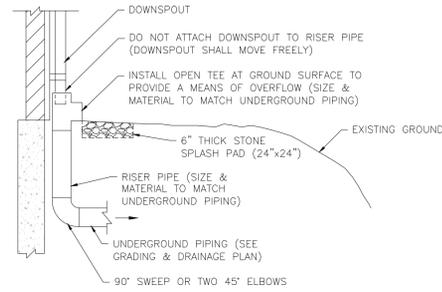
NOT TO SCALE



NOTE:
 - BROOM FINISH WITH TWO COATS SEALING/CURING COMPOUND.

TYPICAL SIDEWALK AT BUILDING WALL DETAIL

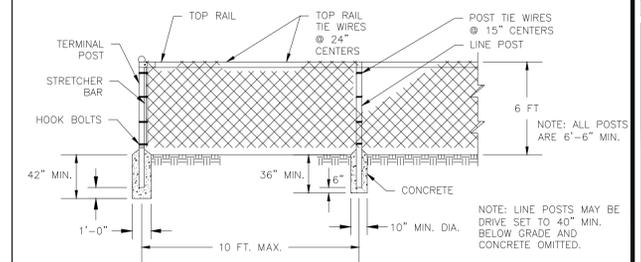
NOT TO SCALE



NOTES:
 1. EACH BUILDING OR UNIT SHALL HAVE A MINIMUM OF ONE GUTTER DOWNSPOUT OVERFLOW ON EACH INDEPENDENT PIPE NETWORK. THE OVERFLOW SHALL BE INSTALLED ON THE DOWNSPOUT LOCATED AT THE LOWEST GROUND ELEVATION ALONG THE BUILDING WITHIN EACH PIPE NETWORK.
 2. FOR GUTTER SYSTEMS THAT TIE INTO DRYWELLS, EACH DOWNSPOUT SHALL INCLUDE AN OVERFLOW.

GUTTER DOWNSPOUT DETAIL

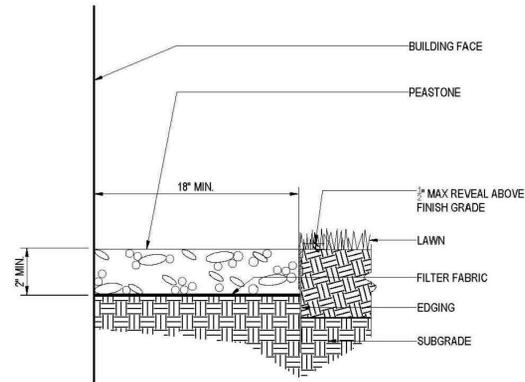
NOT TO SCALE



NOTES:
 1. MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.
 2. FENCE SHALL BE VINYL COATED BLACK.
 3. ALL POSTS SHALL BE INSTALLED VERTICALLY, WHERE POSTS ARE INSTALLED ON AN INCLINED SURFACE, THE ANGLE OF THE POST SHALL BE ADJUSTED SO THAT THE POST WILL BE VERTICAL.
 4. THE FENCING SHALL BE #9 GAGE FENCE FABRIC, STANDARD 2-INCH CHAIN LINK DIAMOND MESH.

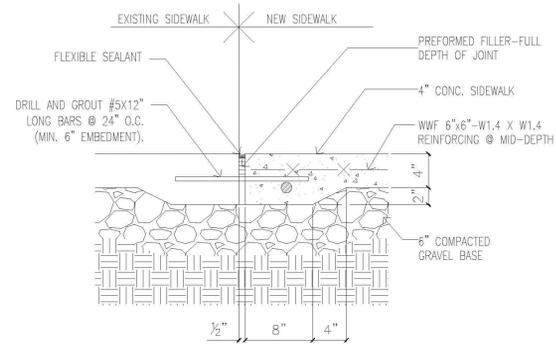
BLACK CHAIN LINK FENCE DETAIL

NOT TO SCALE



PEASTONE FOUNDATION STRIP DETAIL

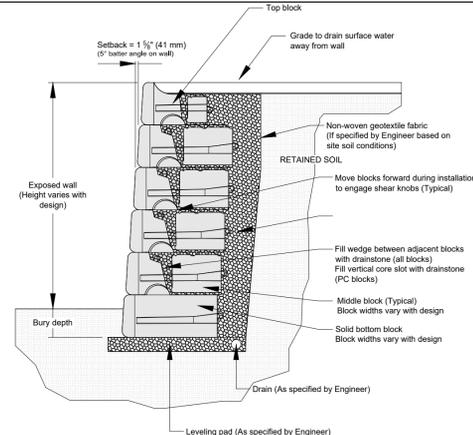
NOT TO SCALE



NOTE:
 - BROOM FINISH WITH TWO COATS SEALING/CURING COMPOUND.

TYPICAL SIDEWALK EXPANSION JOINT (NEW TO EXISTING) DETAIL

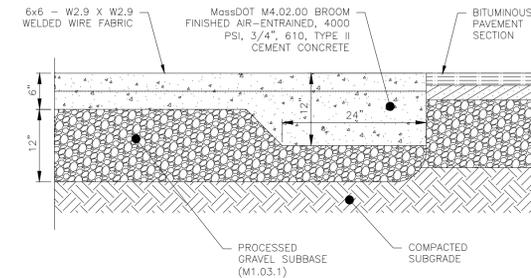
NOT TO SCALE



NOTES:
 1. TOP AND BOTTOM OF WALL ELEVATIONS SHOWN ON GRADING & DRAINAGE PLANS REPRESENT THE EXPOSED PORTION OF THE WALL.
 2. ALL WALLS WITH GREATER THAN 4 FEET EXPOSED HEIGHT SHALL BE DESIGNED BY A STRUCTURAL ENGINEER.

TYPICAL GRAVITY WALL DETAIL

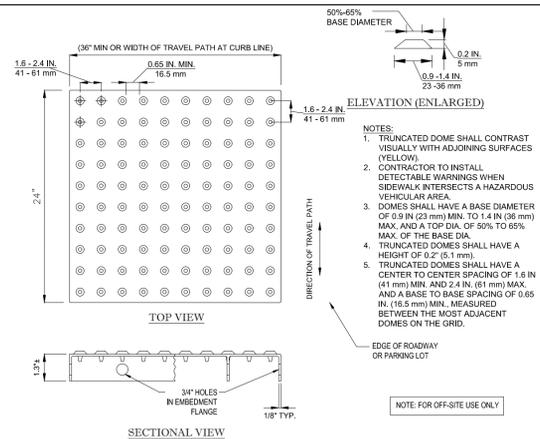
NOT TO SCALE



NOTES:
 1. THIS DETAIL PROVIDES A MINIMUM STANDARD FOR PAVEMENT CONSTRUCTION. THE FINAL PAVEMENT SECTION SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER AND SHALL BE UTILIZED IF MORE STRINGENT THAN THIS DETAIL.
 2. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MassDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
 3. RIGID PAVEMENT THAT ABUTS FLEXIBLE PAVEMENT SHALL MAINTAIN A 12\"/>

TYPICAL CONCRETE PAD DETAIL

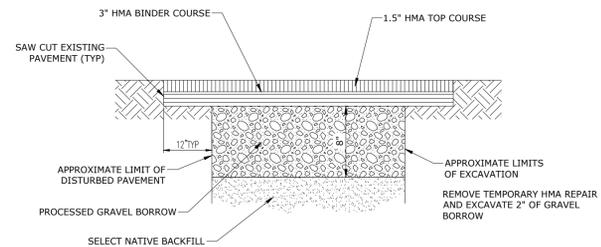
NOT TO SCALE



NOTE TO DESIGNER:
 IF A WALK CROSSES OR ADJACENT TO A VEHICULAR WAY WHERE THE WALKING SURFACE AND PAVEMENT ARE NOT SEPARATED BY CURBS, RAILING OR OTHER ELEMENTS, THE BOUNDARY BETWEEN THE AREA SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS MIN. 36\"/>

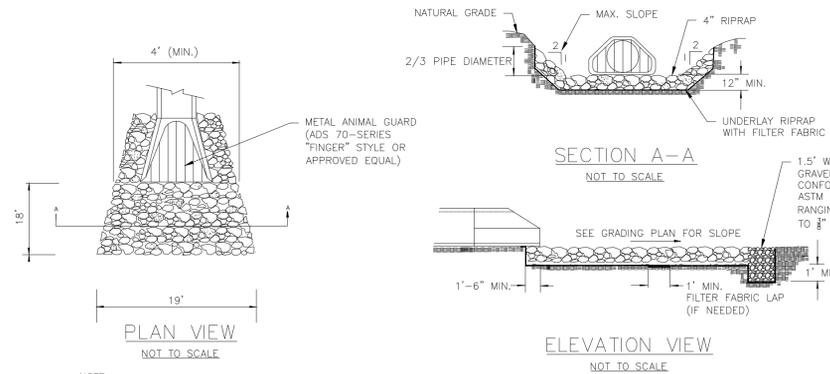
TYPICAL DETECTABLE WARNING AREA DETAIL

NOT TO SCALE



TYPICAL PERMANENT ROADWAY TRENCH REPAIR DETAIL

NOT TO SCALE



NOTE:
 1. 450 RIP RAP STONE SIZE = 6 INCHES.

RIP RAP APRON DETAIL

NOT TO SCALE

NOT FOR CONSTRUCTION

CDG PROJECT #: 23028

REVISIONS:

REV	DATE	COMMENT
1		
2		
3		
4		
5		
6		
7		
8		
9		

SEAL:



PHILIP R. HENRY, P.E.

PLANNING BOARD:

CIVIL ENGINEER:

CIVIL DESIGN GROUP, LLC

21 HIGH STREET, SUITE 207
 NORTH ANDOVER, MA 01845
 www.cdgeengineering.com
 p: 978-794-5400 f: 978-965-3971

PREPARED FOR:

HY VENTURES LEICESTER, LLC

313 BOSTON POST ROAD WEST
 MARLOROUGH, MA 01752

PROJECT:

PROPOSED RETAIL DEVELOPMENT

1621 MAIN STREET (RT-9)
 LEICESTER, MA 01524

SCALE:

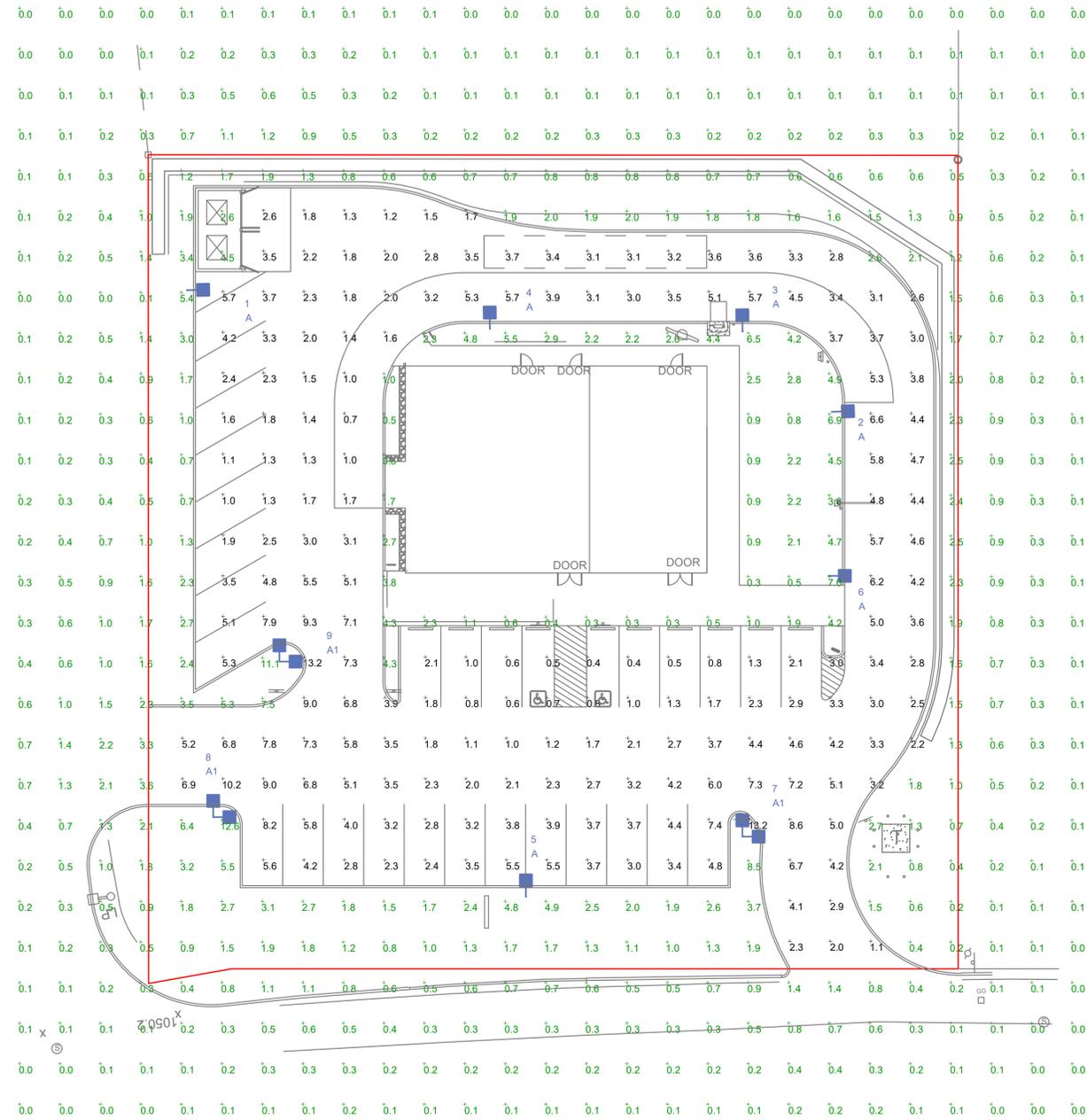
AS NOTED

SHEET:

CONSTRUCTION DETAILS

13

DATE: 09/08/2023



MAIN STREET

- POLE MOUNTED FIXTURES ARE MOUNTED ON A 17FT POLE ATOP A 36 INCH HIGH CONCRETE BASE.

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A	20
2	A	20
3	A	20
4	A	20
5	A	20
6	A	20
7	A1	20
8	A1	20
9	A1	20

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVEDAREA	3.61	13.2	0.5	7.22	26.40
UNDEFIND AREA	0.93	12.6	0.0	N.A.	N.A.

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURE	DESCRIPTION
	6	A	Single	10450	1.000	B2-U0-G2	68	408	Cree Lighting	OSQ-ML-C-DA-XX + OSQM-C-11L-57K7-3M-UL-NM-XX-Q9
	3	A1	2 @ 90 DEG	10450	1.000	B2-U0-G2	68	408	Cree Lighting	OSQ-ML-C-DA-XX + OSQM-C-11L-57K7-3M-UL-NM-XX-Q9

REV.	BY	DATE	DESCRIPTION

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DOUBLE SIDED MID:

SCALE 1/2"=1'-0": 29.3 SQ. FT.

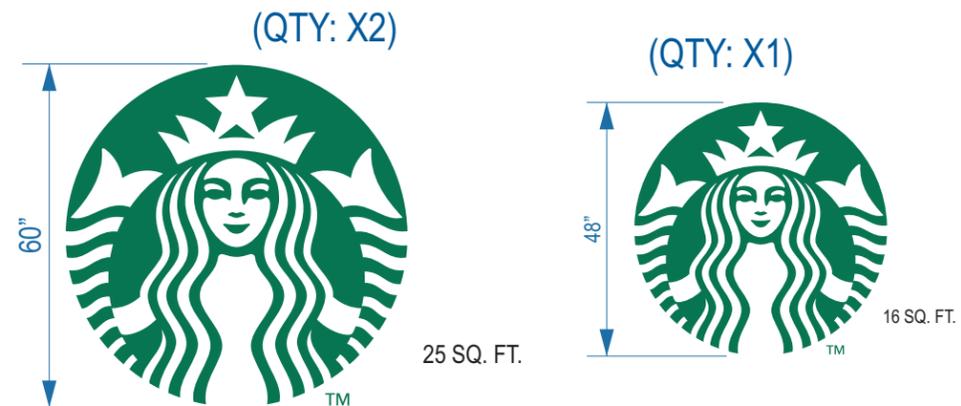
(1) D/F LED CABINET _WHITE LEXAN FACES AND TRANSLUCENT VINYL GRAPHICS.
TWO TENANTS
(SPECS TBD)



BUILDING SIGNAGE:

- (3) STARBUCK LOGO CHANNEL CANS (SPECS. TBD)
- (3) SETS "DRIVE THRU" CHANNEL LETTERS (SPECS. TBD)
- (3) SETS "MAJESTIC NAILS" CHANNEL LETTERS (SPECS. TBD)

APPROX SCALE" 3/8"=1'-0"



ARTWORK REQUIRED BY CLIENT ; APPROX AREA: 36" X 96"
(QTY: X3)



SEE PAGE 2 FOR BLDG LOCATION



66 Gold Ledge Avenue,
Auburn, NH 03032

603.437.1200
FAX 603.437.1222
www.nhsigns.com

- DESIGN
- MANUFACTURE
- INSTALL
- SERVICE

CLIENT:

YATCO STARBUCKS
LEICESTER, MA MID

LOCATION:

1621 MAIN ST
LEICESTER, MA

DATE:

09/7/23

ACCT. REP:

FP

DESIGNER:

KAREN DAVIS

Rev# Date:

1. new fasica	9/7/23
2. new archit. dwg	9/11/23
3. spelling + more	9/13/23

FILE NAME LOC:

YATCO STARBUCKS (1621)
LEICESTER, MA MID & CL

Please Note: it is the customers responsibility to
provide primary electrical service (including ground wiring)
directly from panel box, to within six ft. of sign(s).
Installation to comply with N.E.C. 600

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- DESIGN
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YATCO STARBUCKS
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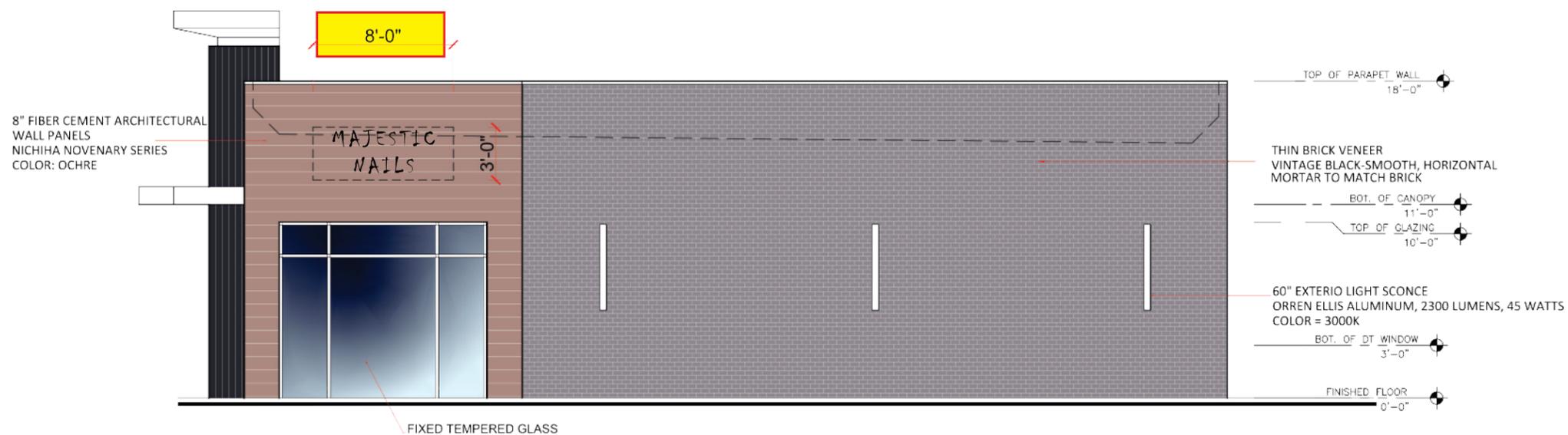
SCALE: NTS

PAGE: 2-r3



NORTH-EAST FACADE

74.5' FRONTAGE



NORTH-WEST FACADE

- DESIGN
- MANUFACTURE
- INSTALL
- SERVICE

CLIENT:

YATCO STARBUCKS
LEICESTER, MA MID

LOCATION:

1621 MAIN ST
LEICESTER, MA

DATE:

09/7/23

ACCT. REP:

FP

DESIGNER:

KAREN DAVIS

Rev# Date:

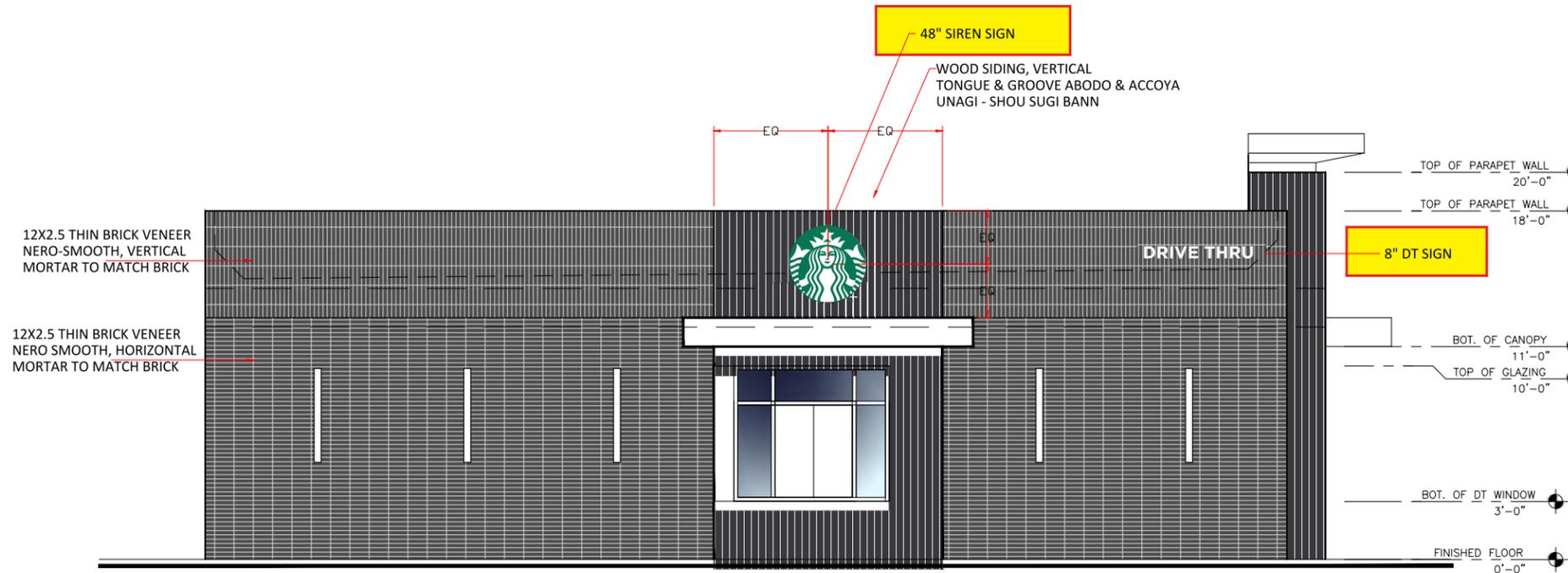
1. new fasica	9/7/23
2. new archit. dwg	9/11/23
3. spelling + more	9/13/23

FILE NAME LOC:

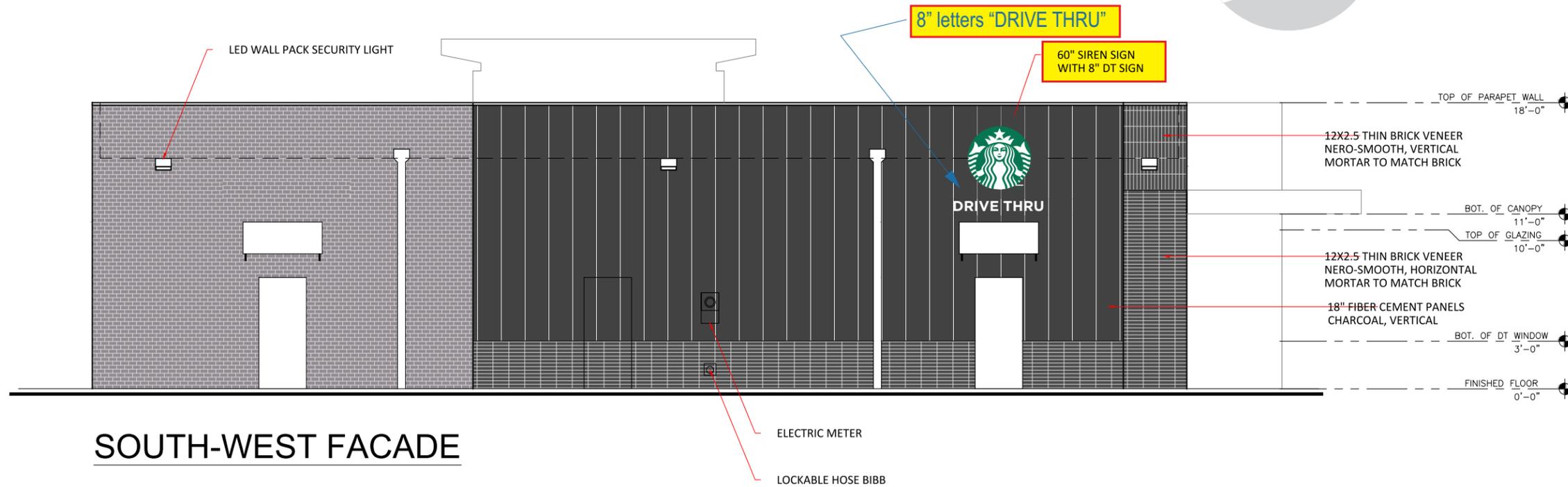
YATCO STARBUCKS (1621)
LEICESTER, MA MID & CL

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SOUTH EAST FACADE

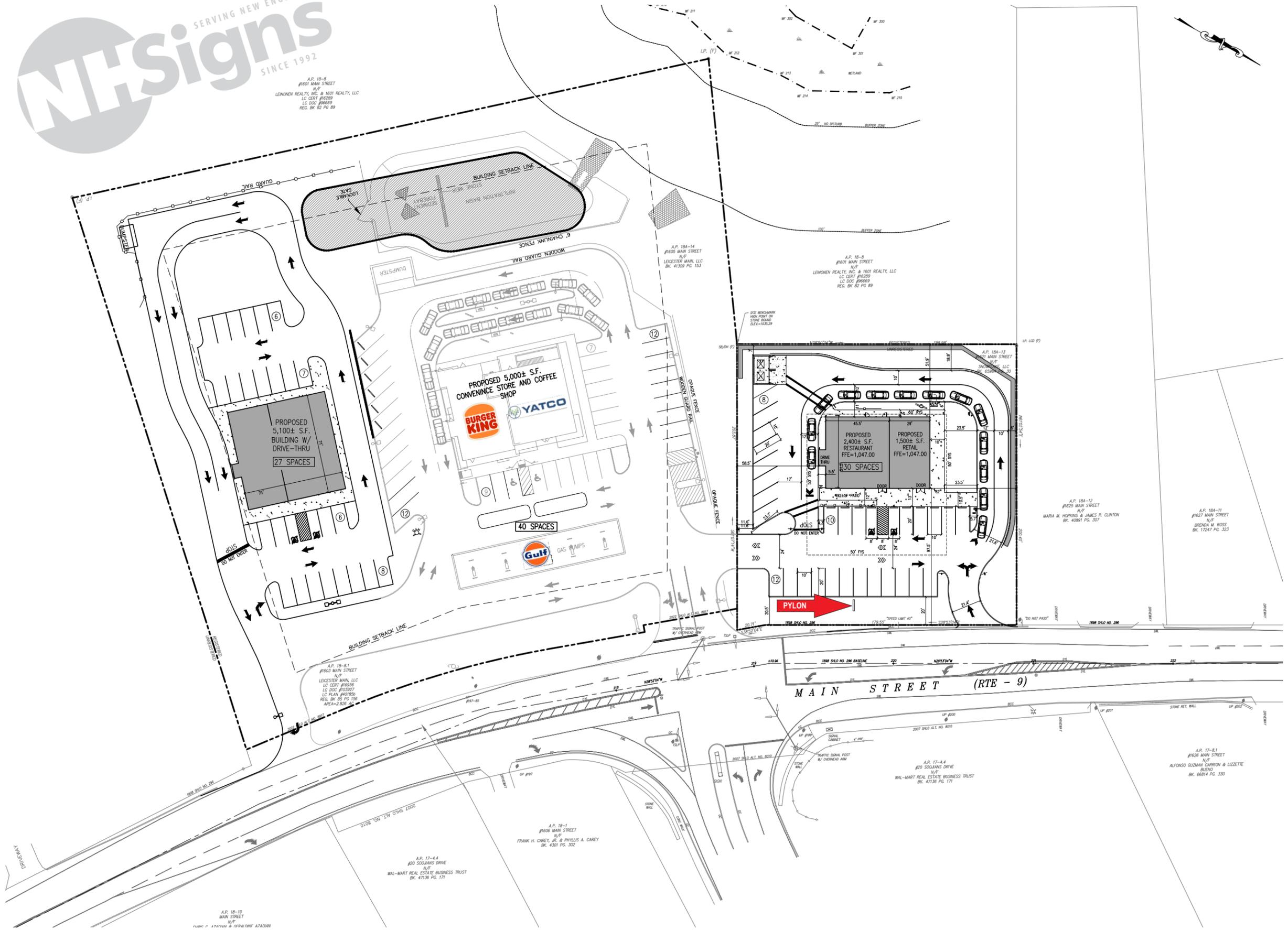


SOUTH-WEST FACADE

SCALE: NTS

PAGE: 3-r3

A.P. 18-8
#1601 MAIN STREET
N/E/F
LENONEN REALTY, INC. & 1601 REALTY, LLC
LC 0207 #16089
LC 0200 #16669
REG. BK 82 PG 89



66 Gold Ledge Avenue,
Auburn, NH 03032

603.437.1200
FAX 603.437.1222
www.nhsigns.com

- DESIGN
- MANUFACTURE
- INSTALL
- SERVICE

CLIENT:
YATCO STARBUCKS
LEICESTER, MA MID

LOCATION:
1621 MAIN ST
LEICESTER, MA

DATE:
09/7/23

ACCT. REP:
FP

DESIGNER:
KAREN DAVIS

Rev#	Date:
1. new fascia	9/7/23
2. new archit. dwg	9/11/23
3. spelling + more	9/13/23

FILE NAME LOC:
YATCO STARBUCKS (1621
LEICESTER, MA MID & CL

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ARCHITECTURE . PLANNING . DESIGN

AAD DESIGN SERVICES L.L.C.
43 MONROE AVE, WORCESTER, MA 01602
TEL: 508-769-0579 . FAX: 508-754-5415

OWNER:

PROJECT NAME:

**MIXED USE
BUILDING**

PROJECT NO: C2348

PROJECT ADDRESS:

1621
MAIN STREET
LEICESTER, MA

SHEET TITLE:

FLOOR PLAN

STAMP:

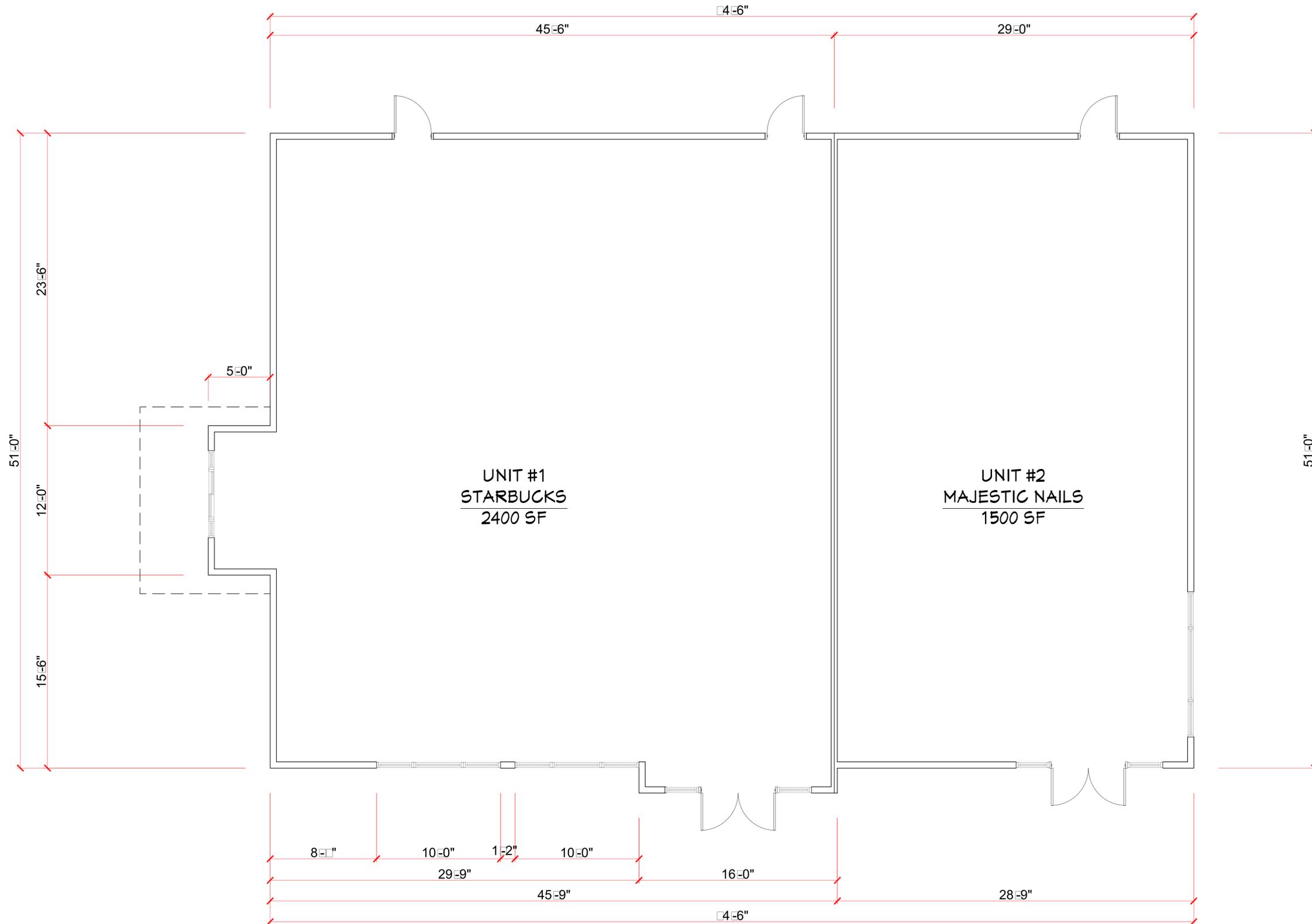
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DATE: 9-12-2023

REVISIONS:

SHEET NO:

1



FLOOR PLAN

OWNER:

PROJECT NAME:

**MIXED USE
BUILDING**

PROJECT NO: C2348

PROJECT ADDRESS:

1621
MAIN STREET
LEICESTER, MA

SHEET TITLE:

**EXTERIOR
ELEVATIONS**

STAMP:

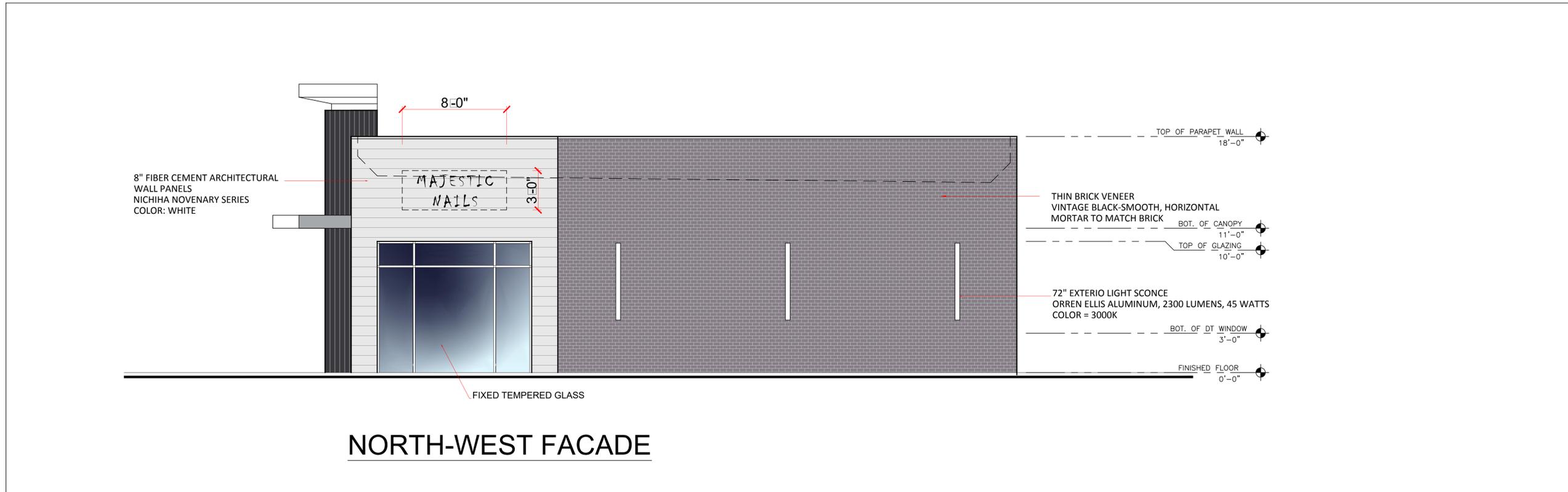
SCALE: AS SHOWN

DATE: 9-12-2023

REVISIONS:

SHEET NO:

2



OWNER:

PROJECT NAME:

MIXED USE BUILDING

PROJECT NO: C2348

PROJECT ADDRESS:

1621
MAIN STREET
LEICESTER, MA

SHEET TITLE:

EXTERIOR ELEVATIONS

STAMP:

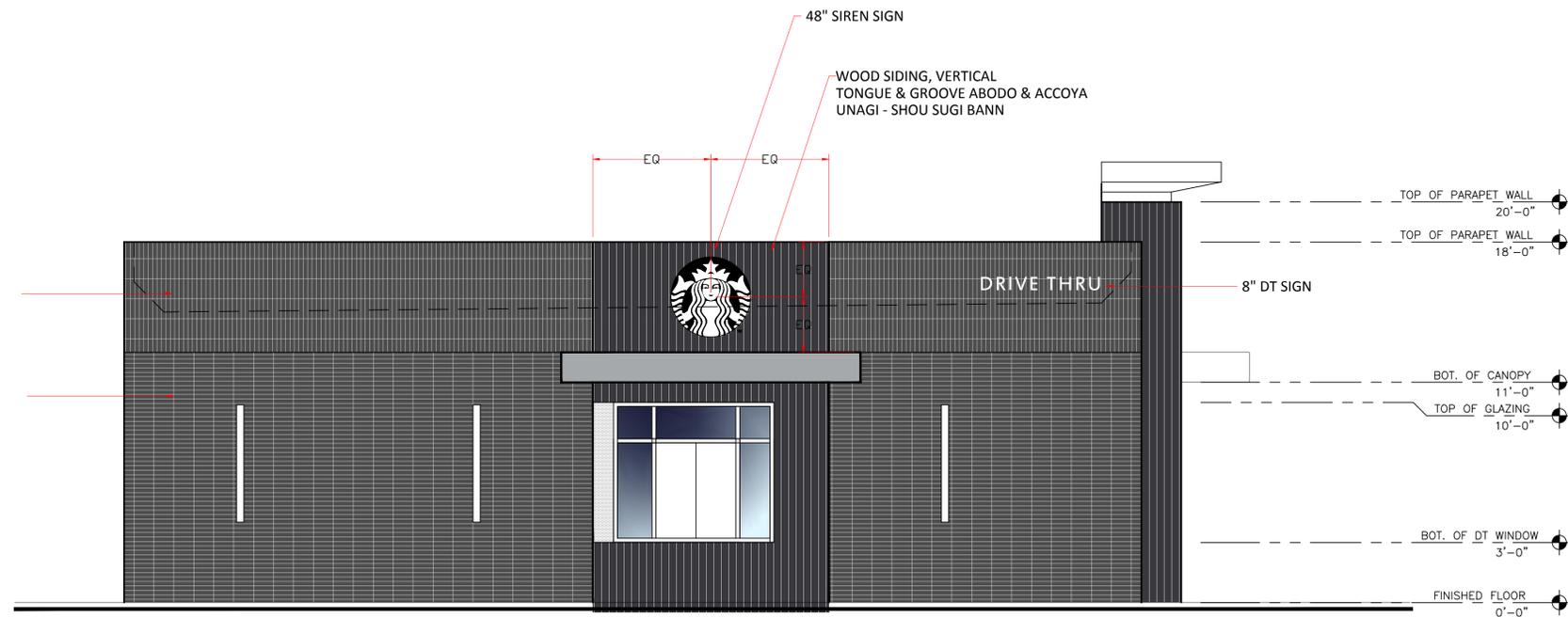
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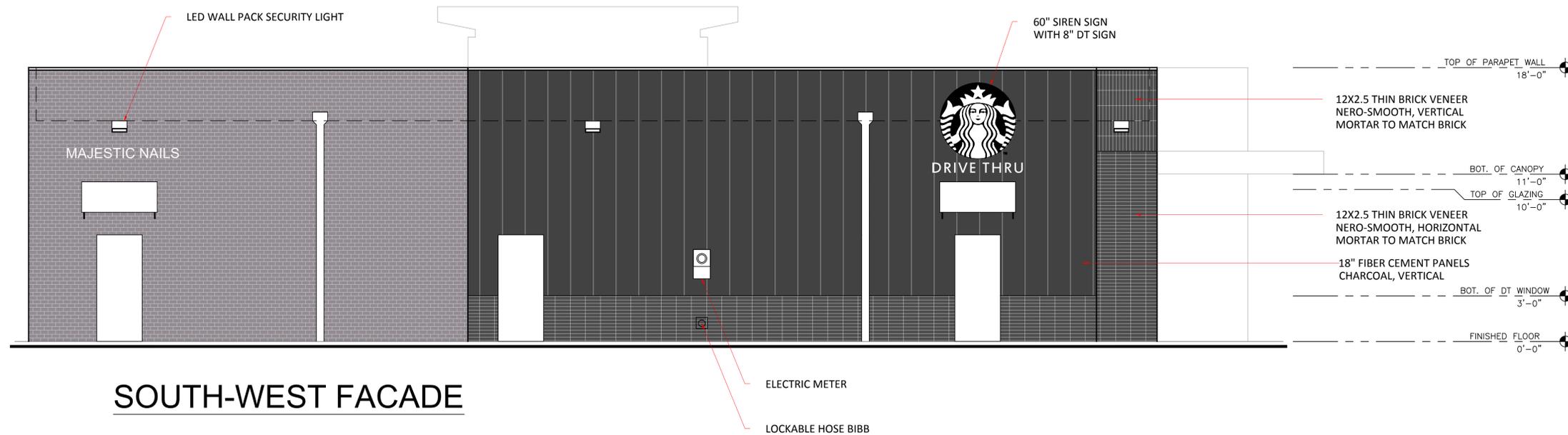
REVISIONS:

SHEET NO:

3



SOUTH EAST FACADE



SOUTH-WEST FACADE