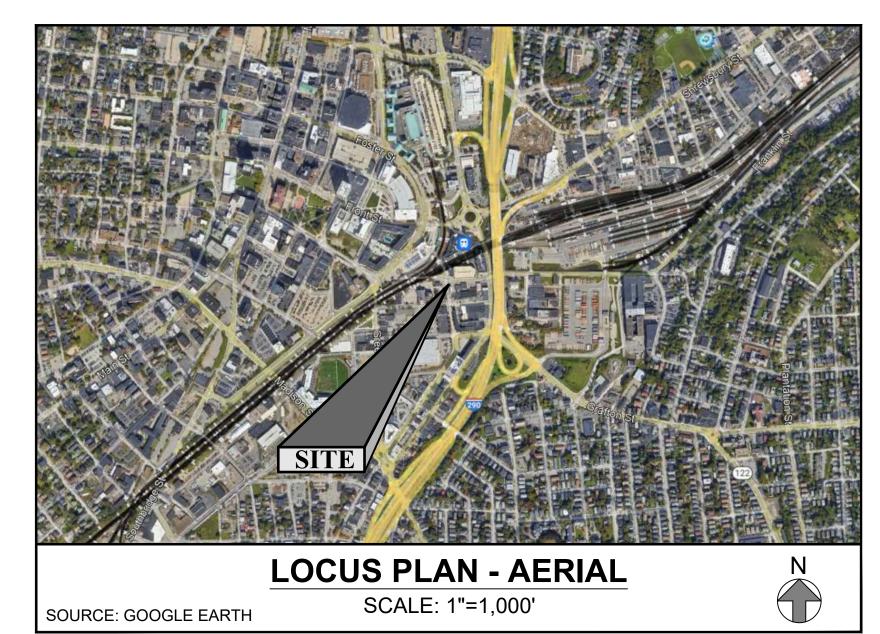
# MIXED-USE REDEVELOPMENT

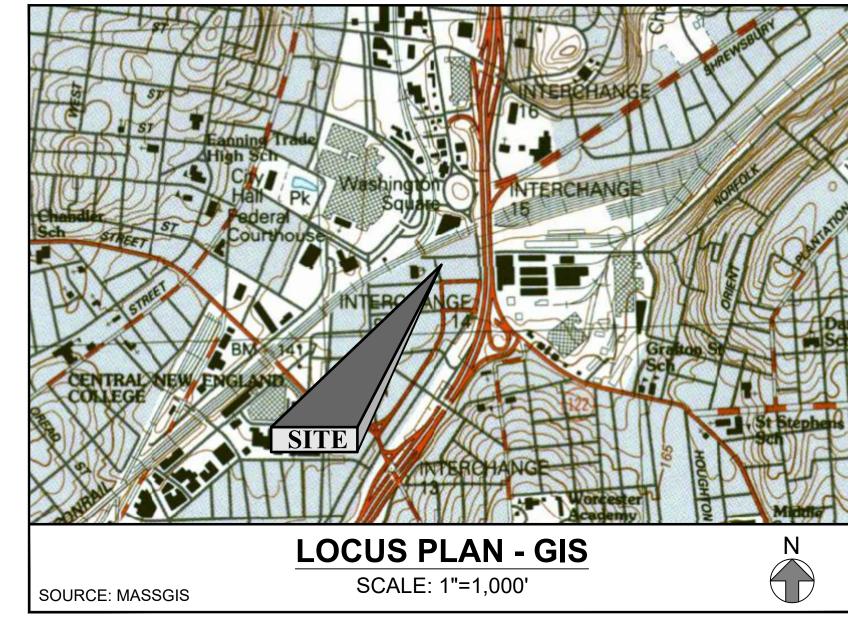
51 HARDING STREET WORCESTER, MA 01610

SHEE	SHEET INDEX					
No.	Title	Issue Date				
C001	Cover Sheet	January 24, 2024				
C101	Site Demo, Sediment and Erosion Control Plan	January 24, 2024				
C102	Layout Plan	January 24, 2024				
C103	Grading & Drainage Plan	January 24, 2024				
C104	Site Utilities Plan	January 24, 2024				
C105	Landscape Plan	January 24, 2024				
C501	Site Details - 1	January 24, 2024				
C502	Site Details - 2	January 24, 2024				

REF	REFERENCE PLAN INDEX				
No.	Title	Issue Date			
E1	Existing Conditions Plan (B&R Survey, Inc.)	August 2, 2023			
A1.0	Floor Plan (Architect)	Not Dated			

REVISIONS/ISSUES					
No.	Note	Date			
1	Issued for Permitting	January 24, 2024			





#### **OWNER**

Williston Development, LLC 33 Southgate Street Worcester, MA 01610

# LAND SURVEYOR

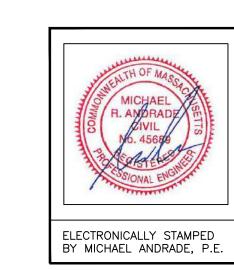
B&R Survey, Inc. 100 Grove Street Worcester, MA 01605

#### **APPLICANT**

Williston Development, LLC 33 Southgate Street Worcester, MA 01610



100 GROVE STREET | WORCESTER MA 01605 T 508-856-0321 | F 508-856-0357 gravesengineering.com



# **GENERAL NOTES**

STREET ADDRESS: 51 HARDING STREET, WORCESTER, MA 01604

AREA: 5,064 SQ. FT. (0.116 AC.)

1) THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ANY FINDINGS SUCH A REPORT MIGHT DISCLOSE.

- 2) LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON THE FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER GATES, ETC. IN ACCORDANCE WITH CHAPTER 82 SECTION 40 INCLUDING AMENDMENTS, ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG-SAFE AT 811. THE CITY OF WORCESTER SHALL ALSO BE CONTACTED FOR UTILITY MARKOUTS.
- 3) PROPERTY LINE DATA AND TOPOGRAPHIC FEATURES ON THIS PLAN ARE BASED ON PLAN PREPARED BY B&R SURVEY, INC., DATED AUGUST 2, 2023.
- 4) THE SITE PROPERTY IS NOT LOCATED WITHIN ANY DESIGNATION FLOOD ZONES AS SHOWN ON FIRM MAP 25027C0618E, DATED JULY 4, 2011.
- 5) SITE SOILS PER USDA-NRCS WEB SOIL SURVEY ARE URBAN LAND (MAP UNIT 602). ON-SITE SOIL TESTING HAS NOT BEEN CONDUCTED.

DEED BOOK/PAGE: 58931/180 (WORCESTER REGISTRY OF DEEDS) ASSESSORS REFERENCE: 04-016-00003

#### **SHEET NOTES**

- 1) ALL EXISTING PAVEMENT ABUTTING NEW PAVEMENT SHALL BE NEATLY SAWCUT.
- 2) ALL ITEMS NOTED TO BE REMOVED AND DISPOSED SHALL BE PROPERLY DISPOSED OF OFFSITE.
- 3) STOCKPILE LOCATIONS (FILL MATERIALS, ETC.) SHALL BE COORDINATED WITH THE OWNER AND THE ENGINEER AND SHALL BE RINGED WITH SILT FENCE. ALL DISTURBED AREAS INCLUDING STOCKPILES, THAT WILL NOT BE RE-DISTURBED WITHIN 14 DAYS SHALL BE STABILIZED BY THE 14TH DAY AFTER THE LAST DISTURBANCE.
- 4) THE CONTRACTOR SHALL EMPLOY ANY AND ALL EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT A RELEASE OF SEDIMENT FROM THE SITE.
- 5) SEDIMENT AND EROSION CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE WORK.
- 6) SEDIMENT TRACKED ONTO ROADWAYS ADJACENT TO THE SITE SHALL BE SWEPT CLEAN AND REMOVED EACH DAY.

#### SHEET KEY

FEATURES MARKED AS P SHALL BE PROTECTED FEATURES MARKED AS SHALL BE R&D R&D = REMOVE AND DISPOSE (OFFSITE)

////// = R&D FEATURE



\_\_\_\_ w \_\_\_ WATER

CATCH BASIN (CB) WATER GATE VALVE

SIGN

CONCRETE (CONC.) TREE, SIZE, DECIDUOUS (DEC.), CONIFEROUS (CON.)

SPOT ELEVATION

VERTICAL GRANITE CURB

BITUMINOUS CURB BITUMINOUS

EDGE OF PAVEMENT CAPE COD BERM

CONC. CONCRETE

GUY WIRE/POLE HYDRANT



\_\_\_ G \_\_\_ GAS MARKED

SEWER MANHOLE (SMH) DRAIN MANHOLE (DMH)

UTILITY POLE LIGHT POLE

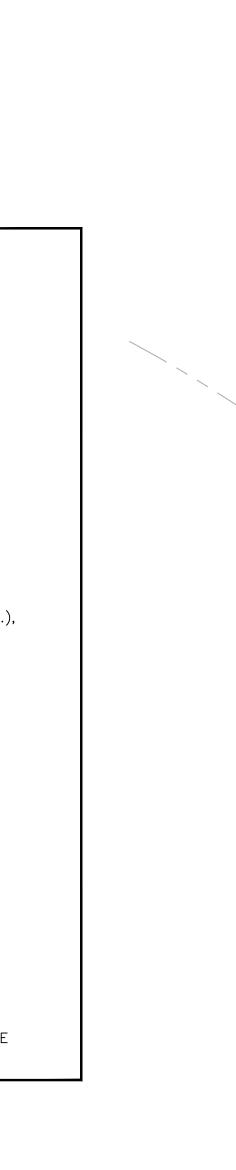
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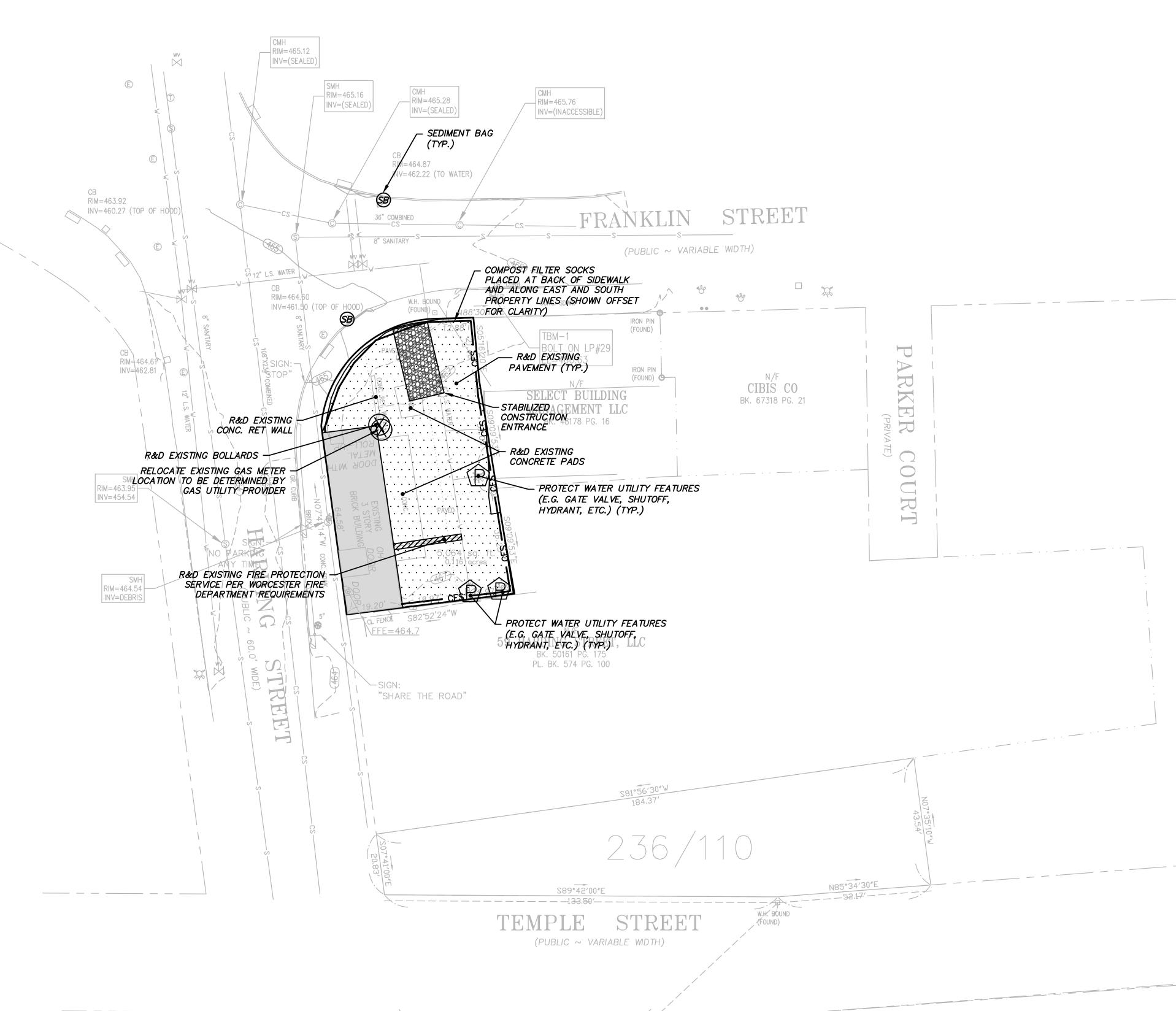
DROP INLET

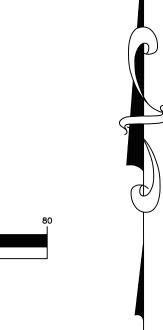
STOCKADE FENCE 

FLAG POLE

BOUND (MONUMENT), GRANITE







GRAPHIC SCALE

( IN FEET ) 1 inch = 20 ft.

C101

EDIMENT A
MIXED-USE F
51 HARDING STREE

ONTROL

#### PROJECT ZONING INFORMATION

<u>CRITERIA</u>	REQUIRED	<u>EXISTING</u>	<u>PROPOSED</u>
USE	TABLE 4.1	VACANT	MIXED USE (SEE PARKING) (1)
ZONING DISTRICT	BG-3.0	BG-3.0	BG-3.0
OVERLAY DISTRICT	CCOD-C,CSSA,DSOD,CARD,USOD	SAME	SAME
MINIMUM LOT AREA	5,000 SQ. FT.	5,064 SQ. FT.	5,064 SQ. FT.
MINIMUM FRONTAGE	80 FT.	64.58 FT. (2)	64.58 FT.
FRONT SETBACK	N/A	O FT.	O FT.
SIDE SETBACK	N/A	0.2 FT	0.2 FT.
REAR SETBACK	10 FT.	37.1 FT.	21.3 FT.
MAXIMUM BLDG. STORIES	N/A	3	3
MAXIMUM BLDG. HEIGHT	100 FT.	<100 FT.	35.1 FT. FROM ARCH.
BLDG. LOT COVERAGE	N/A	22.7%	27.2%
MAXIMUM F.A.R.	3:1	0.7:1	1:1
LANDSCAPE PARKING BUFFER	3 FT.	O FT	3.3 FT.
LOT IMPERVIOUS COVERAGE	N/A	100%	68%
RECREATION AREA	10% OF LOT AREA	0%	±1,150 (22.7%) (ROOF DECK)

ZONING INFORMATION SOURCE: THE ABOVE INFORMATION WAS OBTAINED FROM THE CITY OF WORCESTER ZONING ORDINANCE, AS AMENDED THROUGH MAY 9, 2023.

- (1) TWO-FAMILY DETACHED DWELLING IS ALLOWABLE BY SPECIAL PERMIT (ART. IX, §5.B)
- (2) VARIANCE TO BE SOUGHT FOR A REDUCTION IN MINIMUM FRONTAGE BY 15.42 FT.

#### SHEET NOTES

- 1) PROPOSED WALKWAYS SHALL MEET FLUSH WITH FINISH GRADES OF EXISTING AND PROPOSED BIT. WALKS, CONCRETE PADS, ETC.
- 2) ADJUST ALL EXISTING MANHOLES, WATER GATE VALVES, SHUTOFFS, ETC. TO PROPOSED FINISH GRADES WITHIN THE LIMIT OF WORK.
- 3) ALL JOINTS OF EXISTING & PROPOSED BITUMINOUS PAVEMENT SHALL BE SEALED WITH HOT RUBBERIZED ASPHALT JOINT SEALANT AND SANDED.
- 4) PAVEMENT MARKINGS SHALL BE PAINTED WITH WHITE TRAFFIC PAINT CONFORMING TO SECTION M7.01.08 OF THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION. LINE WIDTH SHALL BE 4 INCHES. HANDICAP SYMBOL MARKINGS SHALL COMPLY WITH 521 CMR WITH WHITE SYMBOL ON BLUE BACKGROUND.
- 5) THE PROPOSED RECONFIGURATION OF THE PARKING, DRIVEWAY, AND WALKWAYS AS SHOWN ON THESE DRAWINGS RESULTS IN A NET DECREASE OF IMPERVIOUS SURFACES OF ±1,420 SQUARE FEET.

#### **SNOW STORAGE NOTES**

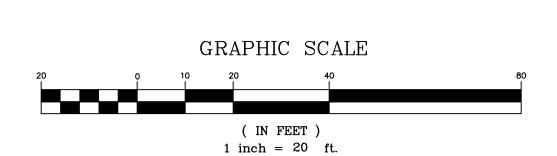
SNOW SHALL BE STORED WITHIN AREAS AS SHOWN ON THIS SHEET DESIGNATED BY THIS HATCHING

SNOW STORAGE LOCATIONS SHOWN REPRESENT THE MINIMUM NECESSARY AND THE OWNER SHALL EXPAND SUCH AREAS AS NEEDED. SNOW SHALL NOT BE PLACED SO AS TO INHIBIT VEHICLE SIGHT LINES FOR ENTERING AND EXITING THE SITE AND INTERNAL SITE CIRCULATION NOR PLACED TO INHIBIT SITE DRAINAGE. EXCESS SNOW SHALL BE HAULED OFF-SITE AS NECESSARY.

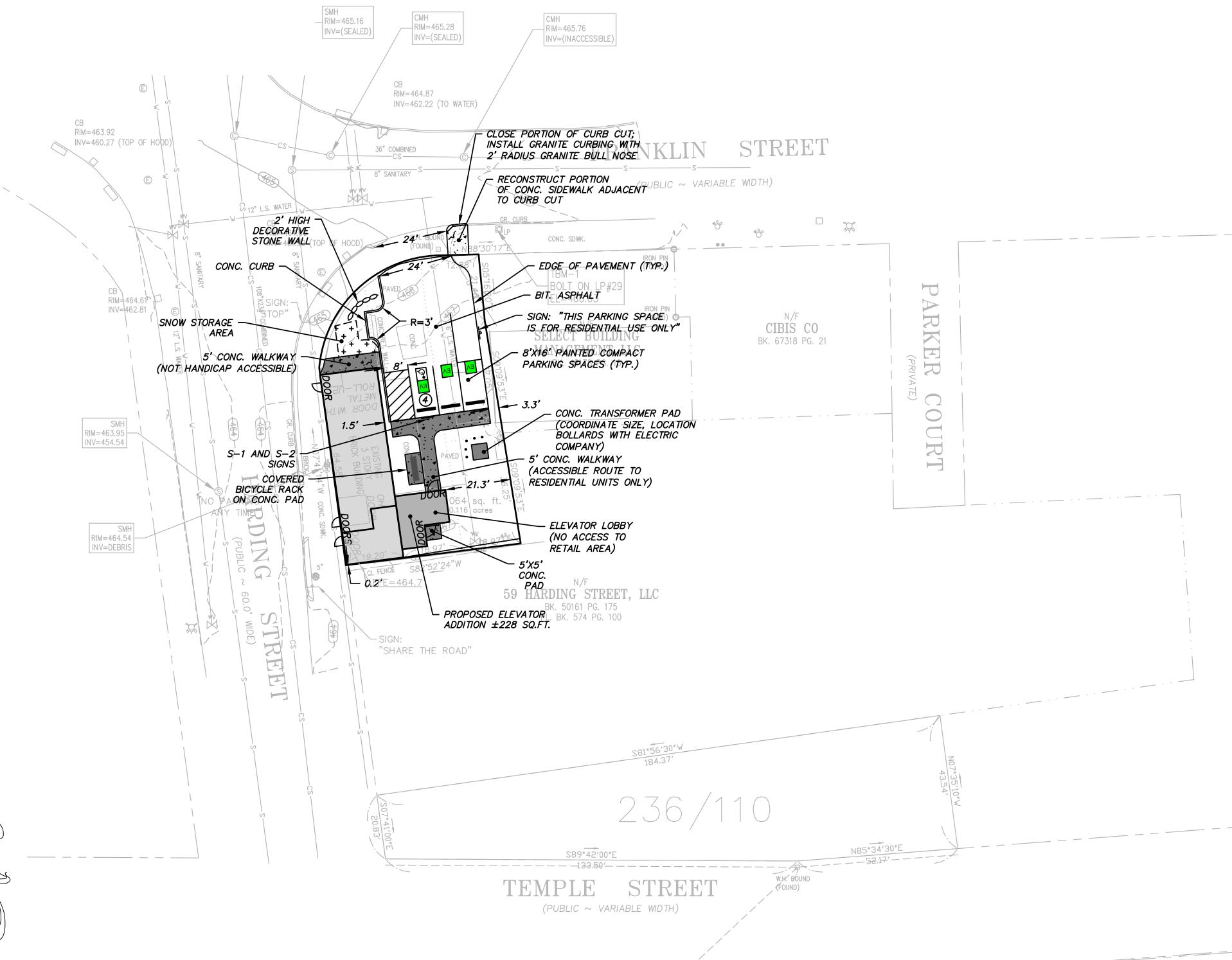
P	ARKING SCHEDU	LE	
	RESIDENTIAL (CCOD-C) 1 SPACE/DWELLING UNIT	RETAIL (CCOD-C) (SPACE/500 SQ.FT.)	TOTALS
DWELLING UNITS (2ND AND 3RD FLOOR)	2	0	
RETAIL SPACE (1ST FLOOR)	0	905 SQ.FT.	
PARKING REQUIRED	2	2	4 SPACES
PARKING PROVIDED			4 SPACES

100% OF THE PARKING SPACES PROPOSED ARE COMPACT SPACES (8'X16').

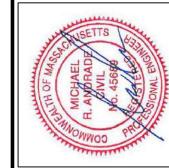
CONFORMANCE TO DIMENSIONAL REQUIREMENTS NOT NEEDED FOR <16 SPACES, MUST PROVIDE SAFE CIRCULATION. (ART IX §7.D)



SIGNAGE KEY							
05. 15		SIGN	SIZE	SIGN LAYOUT	QUANTITY		
GEI ID	FEDERAL ID	WIDTH	HEIGHT	SIGN LATOUT	QOANTITI		
S-1	R7-8	12"	18"	RESERVED PARKING	1		
S-2	R7-8a	12"	6"	VAN ACCESSIBLE	1		







#### **SHEET NOTES**

- 1) PROVIDE POSITIVE DRAINAGE IN ALL FINISH GRADED WORK AREAS INCLUDING AWAY FROM ALL BUILDINGS.
- 2) ADJUST ALL STRUCTURES (MANHOLES, WATER GATE VALVES, SHUTOFFS, ETC.) TO PROPOSED FINISH GRADES WITHIN THE LIMIT OF WORK.
- 3) ALL FINISHED GRASSED SLOPES EQUAL TO OR GREATER THAN A 3:1 SLOPE SHALL BE STABILIZED WITH AN EROSION CONTROL MATTING SUCH AS SC-150 BY NORTH AMERICAN GREEN, CURLEX II BY AMERICAN EXCELSIOR, OR ENGINEER APPROVED EQUAL. COORDINATE MATTING LOCATIONS WITH THE LANDSCAPE PLANS AND GROUND COVER MATERIALS.
- 4) ALL NEW PAVEMENT AND CONCRETE SURFACES SHALL BE CONSTRUCTED TO PROPOSED GRADES AS SHOWN AND SHALL BE SMOOTH AND UNIFORM ELIMINATING DEFORMITIES, DEPRESSIONS, PUDDLES, AND TRIP HAZARDS. PROVIDE POSITIVE DRAINAGE ON ON ALL NEW PAVEMENT AND CONCRETE SURFACES, AWAY FROM BUILDINGS, AND TO EXISTING CATCH BASINS, OUTFALLS OR OTHER COLLECTION POINTS.
- 5) UNLESS OTHERWISE NOTED, PROPOSED WALKWAYS ARE DESIGNED FOR COMPLIANCE WITH 521 CMR ARCHITECTURAL ACCESS BOARD REGULATIONS AND SHALL HAVE RUNNING (LONGITUDINAL) SLOPES NO GREATER THAN 4.5%. CROSS SLOPES OF WALKWAYS SHALL BE PITCHED TO DRAIN BUT NO MORE THAN 1.5%. NEW WALKWAYS SHALL MATCH (BE FLUSH WITH) EXISTING ELEVATIONS WHERE SHOWN OR NOTED WITH CHANGES IN LEVELS (ELEVATIONS) NO GREATER THAN 1/4-INCH.
- 6) PROPOSED GRADES AS SHOWN SHALL BE CARRIED TO ALL PAVEMENT CORNERS HOWEVER GRADE ADJUSTMENTS SHALL BE MADE BY THE CONTRACTOR AS NECESSARY TO PROVIDE POSITIVE DRAINAGE FROM ALL CORNERS.
- 7) SPOT GRADE KEY:
- (E) = EXISTING GRADE TO BE MAINTAINED

  CB = CATCH BASIN

  TC = TOP OF CURB FINISH GRADE

  BC = BOTTOM OF CURB FINISH GRADF

  LP = LOW POINT
- BC = BOTTOM OF CURB FINISH GRADE

  FFE = BUILDING FINISH FLOOR ELEVATION

  VIF = VERIFY IN FIELD (CONTRACTOR)

  LP = LOW POINT

  ME = MATCH EXISTING
- 8) SITE SOILS PER USDA-NRCS WEB SOIL SURVEY ARE URBAN LAND (MAP UNIT 602). NO ON-SITE SOIL TESTING HAS BEEN CONDUCTED.

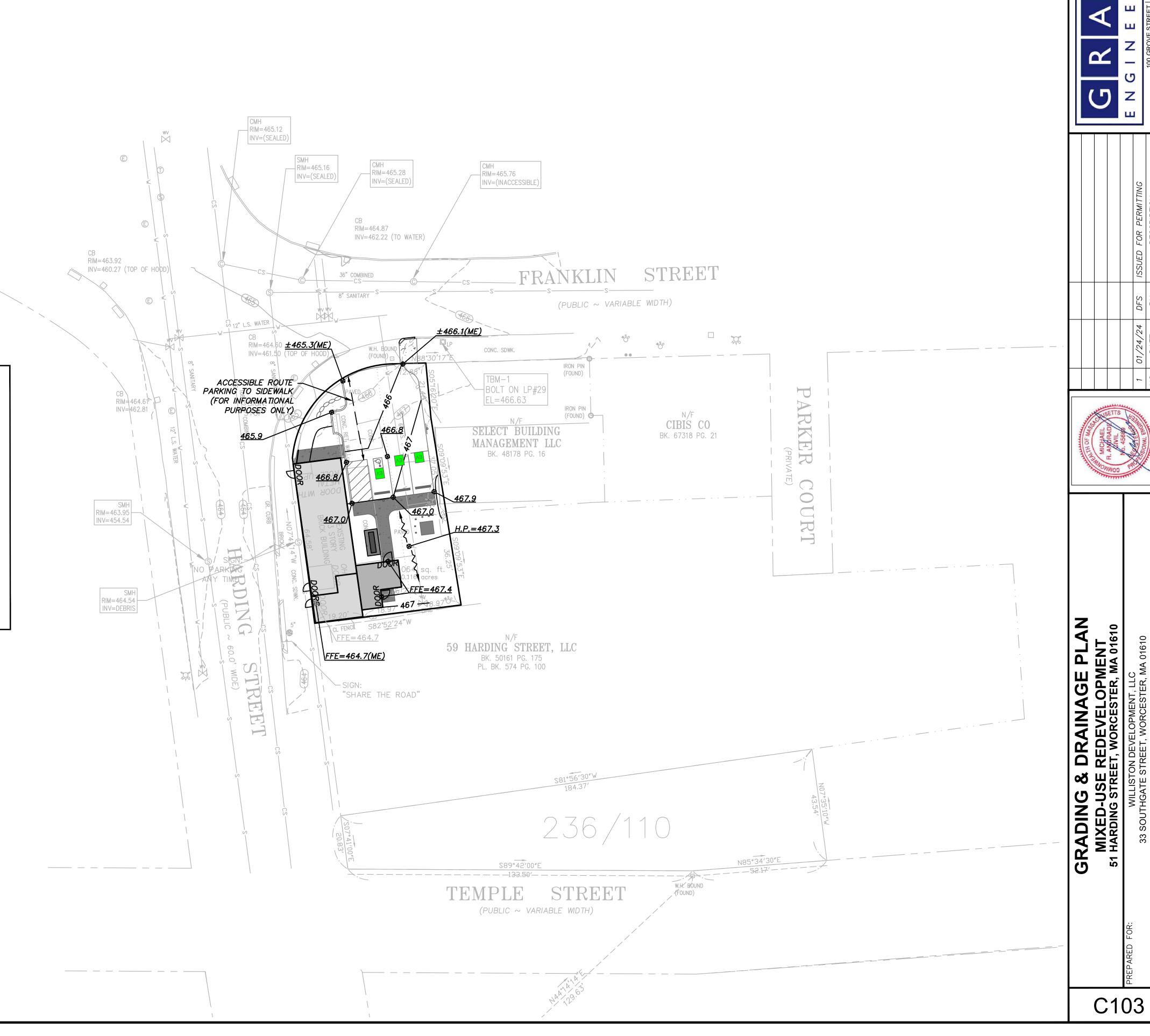
#### **GENERAL SEQUENCE OF CONSTRUCTION**

THE FOLLOWING IS INTENDED TO PROVIDE A GENERAL SEQUENCE OF CONSTRUCTION AND IS SUBJECT TO CHANGE BASED ON CONTRACTOR'S SCHEDULE AND MEANS AND METHODS OF CONSTRUCTION

- 1) INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- 2) INSTALL PERIMETER SEDIMENT CONTROLS AND INSTALL SEDIMENT CONTROL AT NEARBY CATCH BASINS.
- 3) REMOVE EXISTING ASPHALT.
- 4) CONDUCT ROUGH BULK GRADING (CUTS AND FILLS).
- 5) CONSTRUCT BUILDING ADDITION AND UTILITIES.
- 6) SUBGRADE AND PLACE PAVEMENT GRAVEL BASE FOR DRIVEWAY.
- 7) PAVE BINDER COURSE ASPHALT FOR DRIVEWAY.
- 8) INSTALL CONCRETE PADS AND WALKS.
- 9) LOAM AND SEED.
- 10) PAVE TOP COURSE ASPHALT FOR DRIVEWAYS.
- 11) REMOVE PERIMETER SEDIMENT CONTROLS ONLY WHEN UPGRADIENT AREAS ARE FULLY STABILZIED.

GRAPHIC SCALE

( IN FEET ) 1 inch = 20 ft.



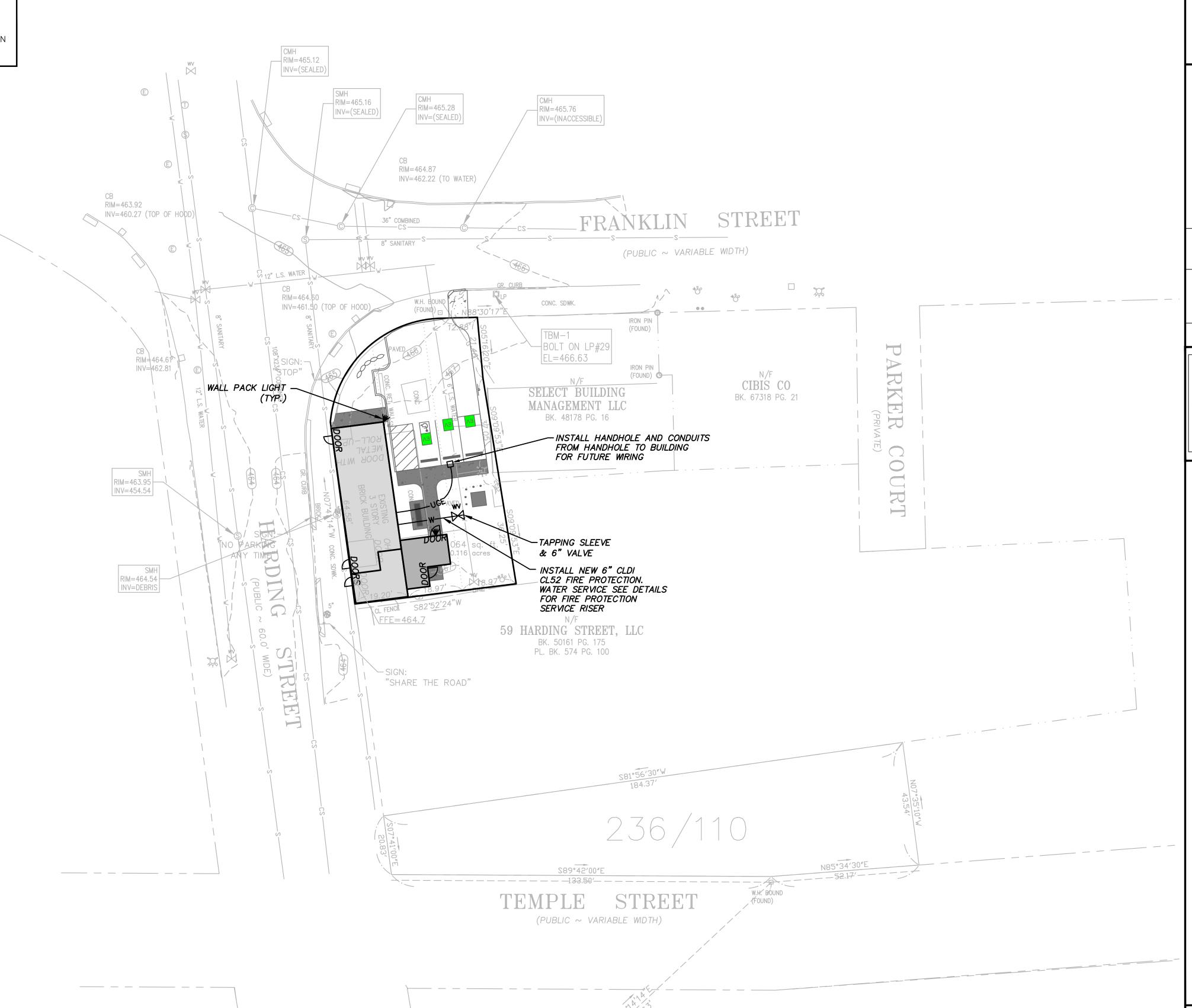
#### **SHEET NOTES**

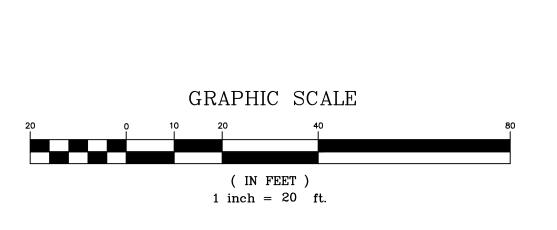
- 1) PRIOR TO WORK, THE CONTRACTOR SHALL VERIFY THE DEPTH OF COVER OVER THE EXISTING UNDERGROUND UTILITIES IN THE AREA OF THE PROPOSED WORK. IF ADEQUATE COVER IS NOT PRESENT TO THE PROPOSED FINISH GRADES, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IMMEDIATELY BEFORE BEGINNING WORK IN THIS AREA.
- 2) UTILITY MATERIALS, CONSTRUCTION, & TESTING SHALL COMPLY WITH THE WORCESTER DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS, LATEST EDITION.
- 3) THE CONTRACTOR SHALL COORDINATE THE UTILITY WORK WITH THE PROPOSED BUILDING PLANS.
- 4) ALL UTILITY WORK SHALL BE COORDINATED BY THE CONTRACTOR WITH THE PROPER UTILITY COMPANIES.
- 5) THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING WATER AND SEWER SERVICE UTILITIES. IF CONFLICTS ARE FOUND THAT PROHIBIT THE INSTALLATION OF THE UTILITIES AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH THE WORK.
- 6) EXISTING WATER AND SEWER UTILITIES SHALL REMAIN (EXCEPT WHERE SHOWN ON THESE DRAWINGS).
- 7) THE SITE CONTRACTOR SHALL COORDINATE WITH AND PROVIDE NECESSARY EXCAVATION FOR ELECTRICAL CONDUIT BETWEEN THE BUILDING AND SITE LIGHTING LOCATIONS.

#### LIGHTING NOTES

1) PROPOSED LIGHTING SHALL BE BUILDING WALL PACK FIXTURE AS NECESSARY FOR BUILDING AND SITE SECURITY, ALL NEW FIXTURES SHALL BE LED, FULLY SHIELDED TO PREVENT LIGHT SPILLAGE ABOVE THE HORIZONTAL AND ONTO ABUTTING PROPERTIES, AND DARK SKY COMPLIANT.

2) ALL SITE LIGHTING SHALL HAVE A MAXIMUM COLOR TEMPERATURE OF 3,000K.





#### LANDSCAPE NOTES

1) SPECIES NOTED ON THIS PLAN MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.

2) ALL PLANTINGS SHALL BE WATERED AND FERTILIZED AS NECESSARY UNTIL ESTABLISHED. THE CONTRACTOR SHALL INSTALL A SLOW-RELEASE WATERING BAG AT EACH TREE PLANTING AND MAINTAIN THE BAG FILLED WITH WATER UNTIL FINAL COMPLETION.

3) CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS WITH 6 INCHES OF LOAM AND SEED (LAWN MIX) UNLESS SPECIFIED OTHERWISE ON THESE PLANS.

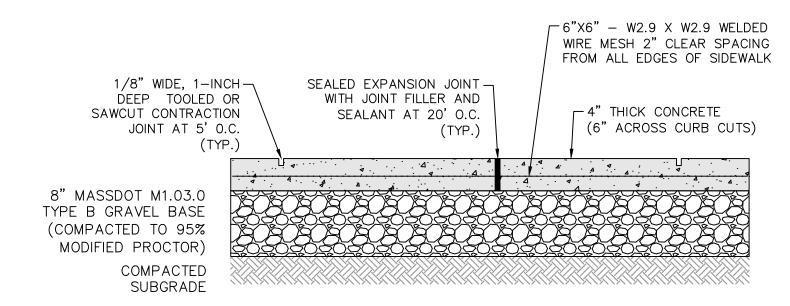
	PLANTING LIST									
CODE	CODE QTY. BOTANICAL NAME COMMON NAME SIZE NOTES									
ORNAMENTAL	TREES									
AV	25	THUJA OCCIDENTALIS	EMERALD PETITE ARBORVITAE	2'-3' HT.	@ 6" ABOVE GROUND SPACE EACH TREE 3' O.C.					
MPF	2	MALUS 'DONALD WYMAN'	'DONALD WYMAN' CRABAPPLE	4'-5' HT.	@ 6" ABOVE GROUND					

GRAPHIC SCALE

( IN FEET ) 1 inch = 20 ft.



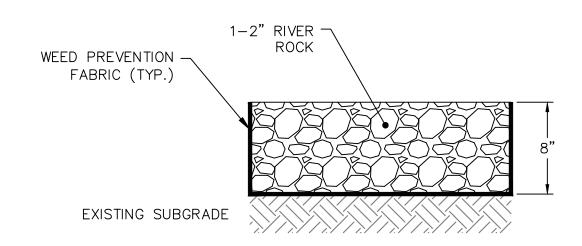
#### PRECAST CONCRETE CURB NTS



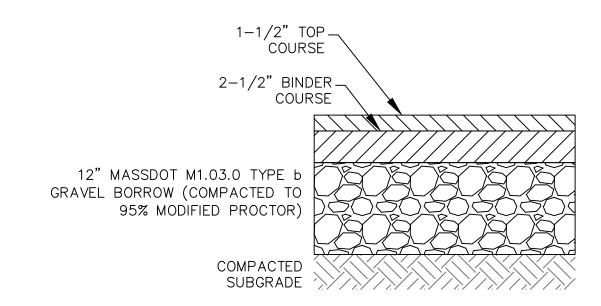
#### CONCRETE SIDEWALK NTS

- NOTES:

  1) CONCRETE MIX DESIGN SHALL BE FOR EXTERIOR USE; AIR—ENTRAINED, 4,000 PSI MIN. (28—DAY), 3/4" AGGREGATE.
- 2) WHEN THE WALKWAY ABUTS A STRUCTURE OR EXISTING HARD SURFACE (CONCRETE, ETC,), INSTALL AN EXPANSION JOINT ACROSS THE ENTIRETY OF THE ABUTTING FACE WITH PREFORMED FIBER JOINT FILLER AND FILL WITH 1" DEEP OF POLYURETHANE JOINT SEALANT.
- 3) WALKWAYS SHALL HAVE A LIGHT BROOM FINISH PERPENDICULAR TO THE DIRECTION OF FOOT TRAFFIC. THERE SHALL BE NO SMOOTHED TOOL JOINTS; BROOM FINISH SHALL EXTEND TO THE EDGES OF THE PAD AND ACROSS ANY

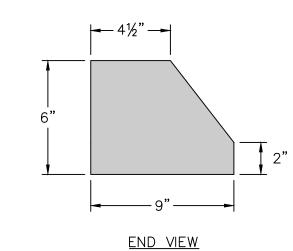


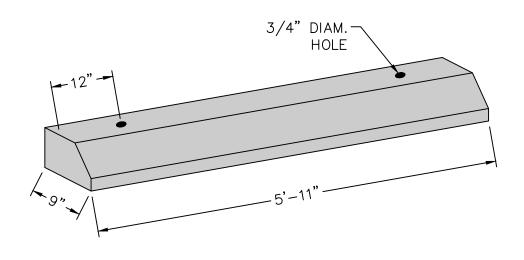
## RIVER ROCK SURFACING NTS



#### PAVEMENT SECTION NTS

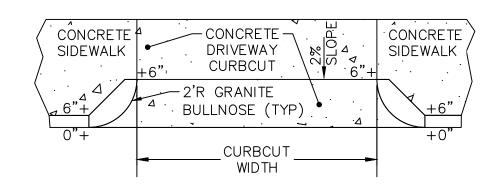
- 1) TAMP ALL ASPHALT EDGES THAT ABUT LAWN, LANDSCAPED OR OTHER SOFT SURFACE.
- 2) <u>BINDER COURSE:</u> MASSDOT M3.11.03, TABLE A, "HMA INTERMEDIATE COURSE DENSE BINDER" OR SUPERPAVE INTERMEDIATE COURSE 19.0MM (MIXTURE DESIGNATION SIC 19.0).
- 3) <u>TOP COURSE:</u> MASSDOT M3.11.03, TABLE A, "SURFACE COURSE STANDARD TOP" OR SUPERPAVE SURFACE COURSE 12.5MM (MIXTURE DESIGNATION SSC 12.5).





## WHEEL STOP NTS

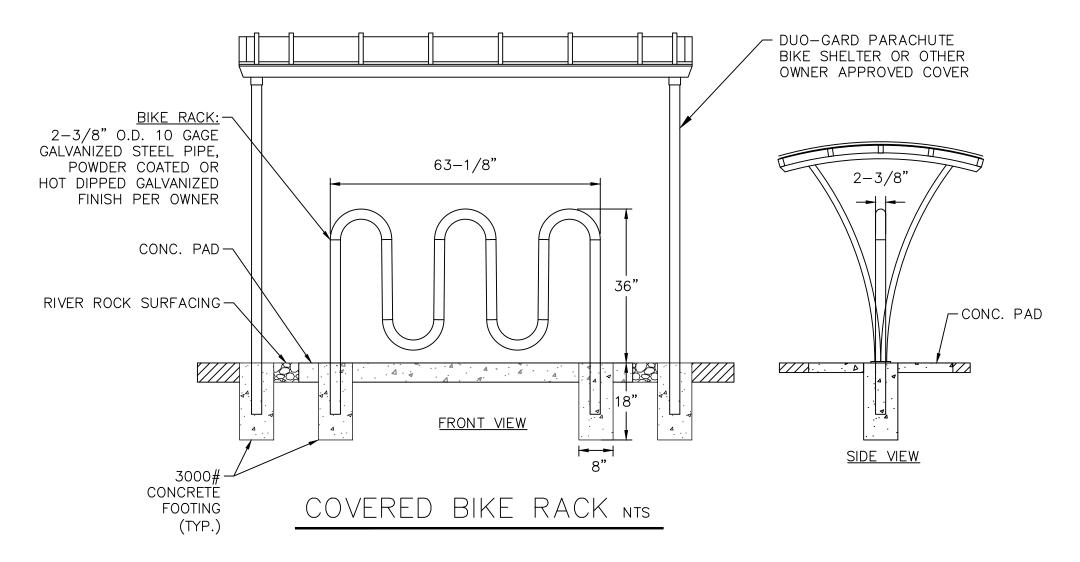
- 1) WHEEL STOPS SHALL BE CONSTRUCTED OF 4,000 PSI CONCRETE (28 DAYS) AND SECURED TO THE GROUND WITH STEEL PINS.
- 2) RUBBER OR OTHER MATERIAL WHEEL STOPS MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.

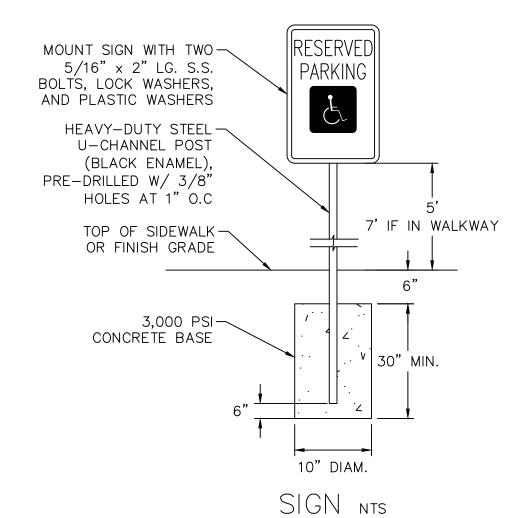


#### WORCESTER STANDARD CURB CUT NTS

NOTES:

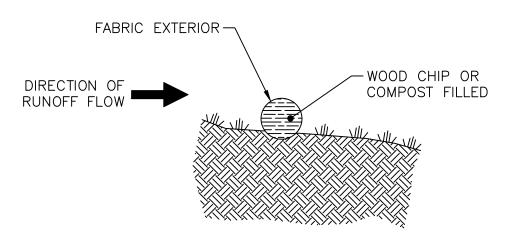
1) CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONCRETE WALK DETAIL ON THESE PLANS (6" THICKNESS ACROSS CURB CUTS).





NOTE:

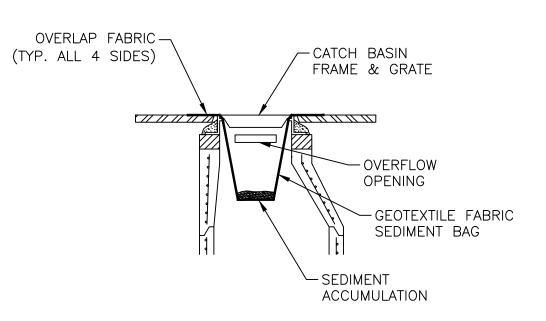
1) THIS DETAIL APPLIES TO THE CONSTRUCTION OF ALL PROPOSED SIGNS; (SIGN TYPE AND DIMENSIONS MAY VARY FROM THOSE SHOWN). HANDICAP VAN ACCESSIBLE PLACARD SHALL BE MOUNTED DIRECTLY BELOW PRIMARY SIGN.



#### COMPOST FILTER SOCK NTS

NOTE:

1) PROVIDE A 3' TO 6' LEVEL AREA BETWEEN THE SILT SOCK AND THE TOE OF ANY SLOPE TO PROVIDE AREA FOR SEDIMENT ACCUMULATION.

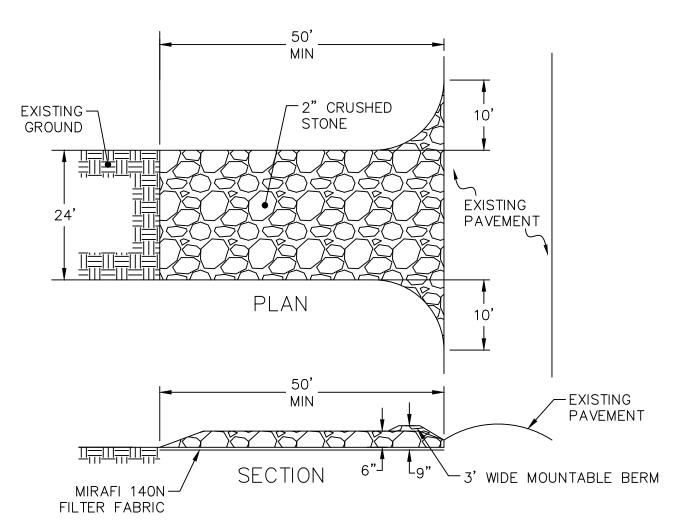


## CATCH BASIN SEDIMENT BAG NTS

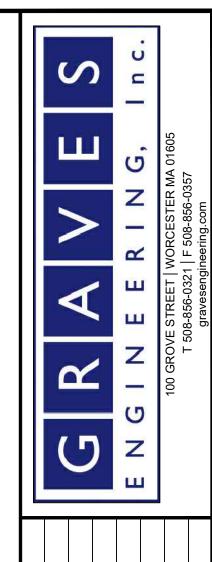
NOTES:

1) SEDIMENT BAG SHALL BE SILTSACK BY ACF ENVIRONMENTAL, OR APPROVED EQUAL.

- 2) OIL ABSORPTION MEDIUM MAY ALSO BE PLACED IN BAG (OPTIONAL).
- 3) INSTALL AND MAINTAIN PER MANUFACTURER'S INSTRUCTIONS.



STABILIZED CONSTRUCTION ENTRANCE NTS



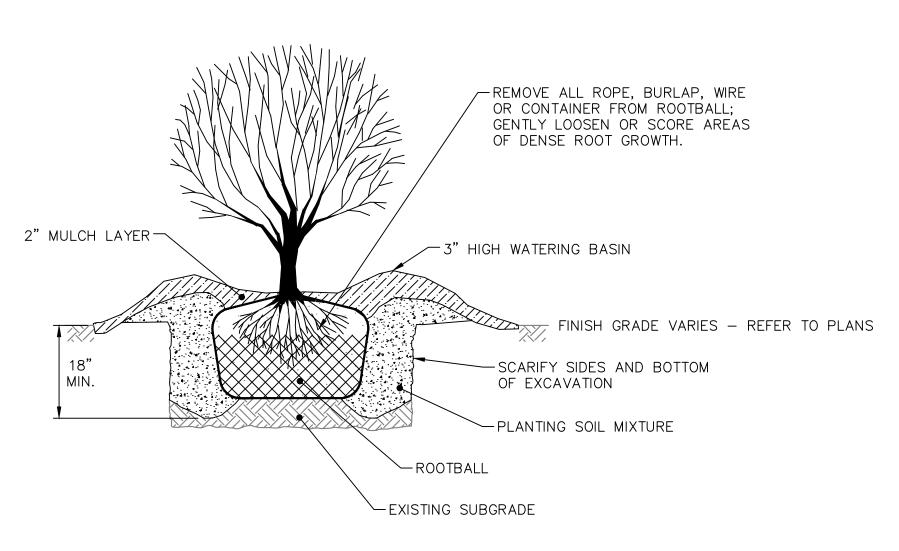
					ISSUED FOR PERMITTING	DESCRIPTION	REVISIONS
						ВҮ	RE
					01/24/24 DFS	DATE	
					l	NO.	
SETTS 65							.E.



SITE DETAILS - 1

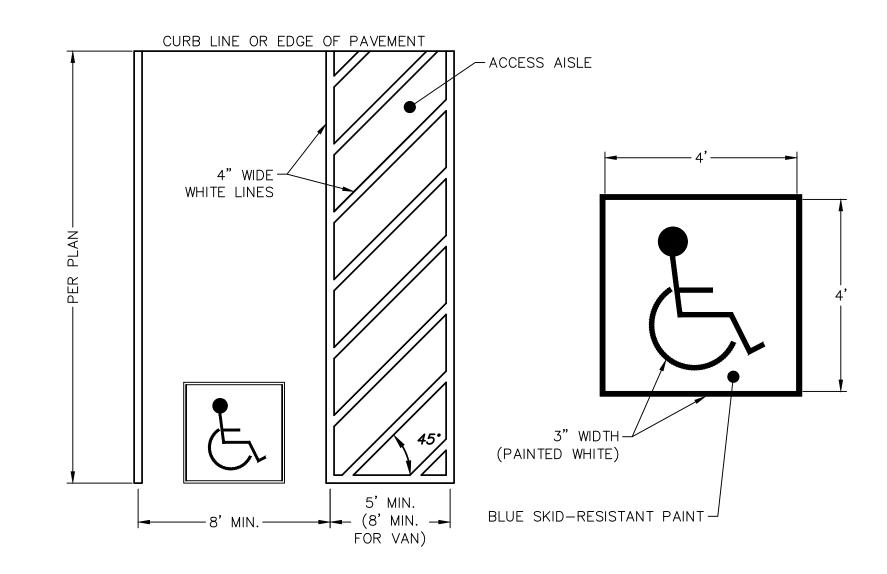
MIXED-USE REDEVELOPMENT
51 HARDING STREET, WORCESTER, MA 01610

WILLISTON DEVELOPMENT, LLC
33 SOUTHGATE STREET, WORCESTER, MA 01610



## SHRUB PLANTING NTS

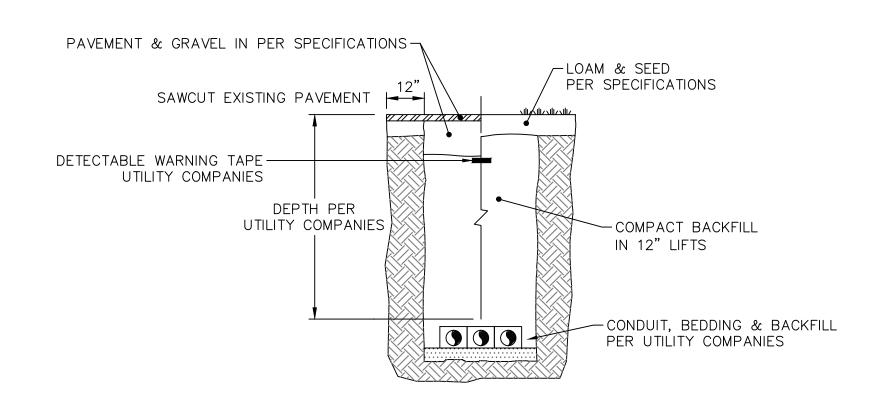
1) SET SHRUB ROOT CROWN FLUSH TO 2" HIGHER THAN FINISH GRADE.



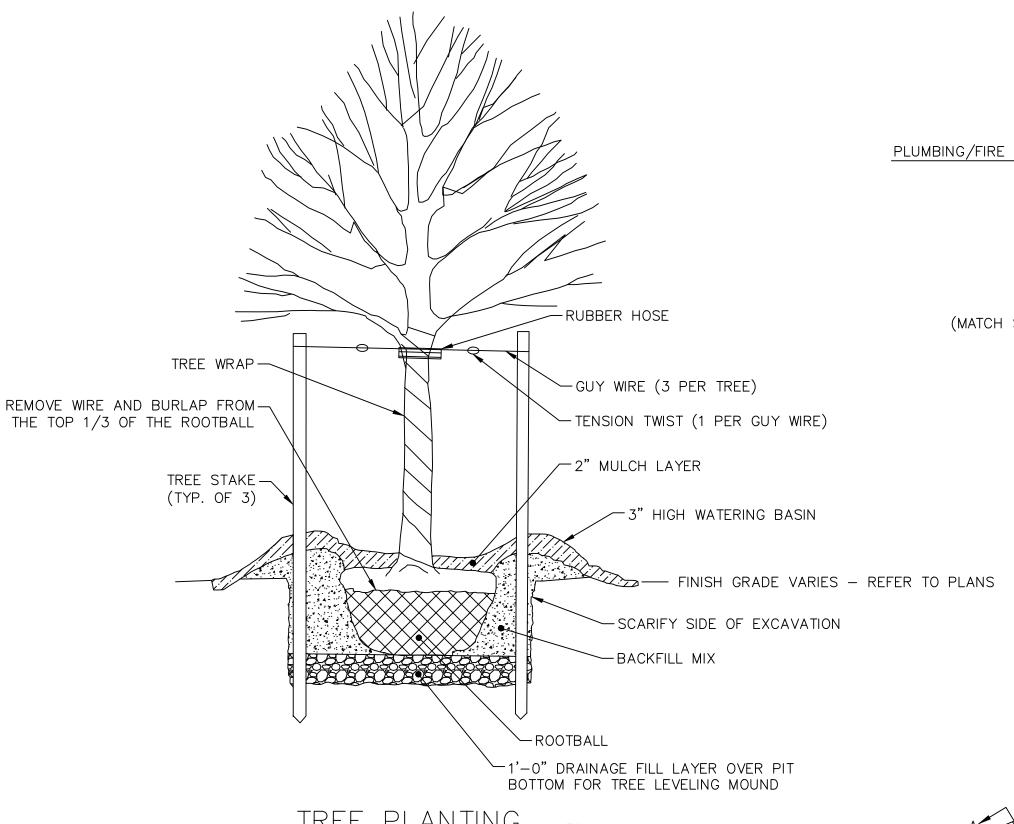
#### HANDICAP PARKING SPACE

#### NOTE:

1) PAVEMENT MARKINGS SHALL BE PAINTED WITH WHITE TRAFFIC PAINT CONFORMING TO SECTION M7.01.08 OF THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION. LINE WIDTH SHALL BE 4 INCHES. HANDICAP SYMBOL MARKINGS SHALL COMPLY WITH 521 CMR WITH WHITE SYMBOL ON BLUE BACKGROUND.



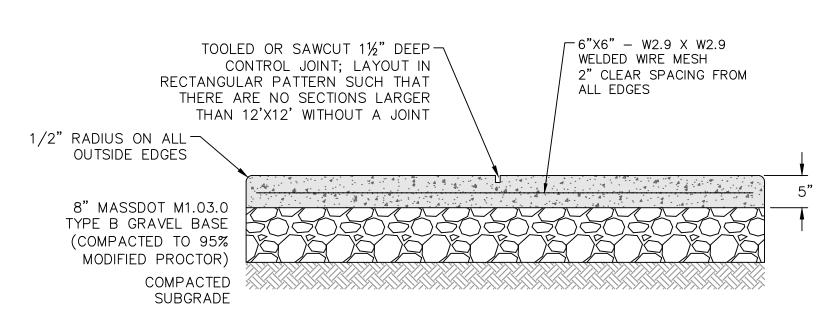
ELECTRICAL, CABLE & TELEPHONE SERVICE TRENCH SECTION



## TREE PLANTING NTS

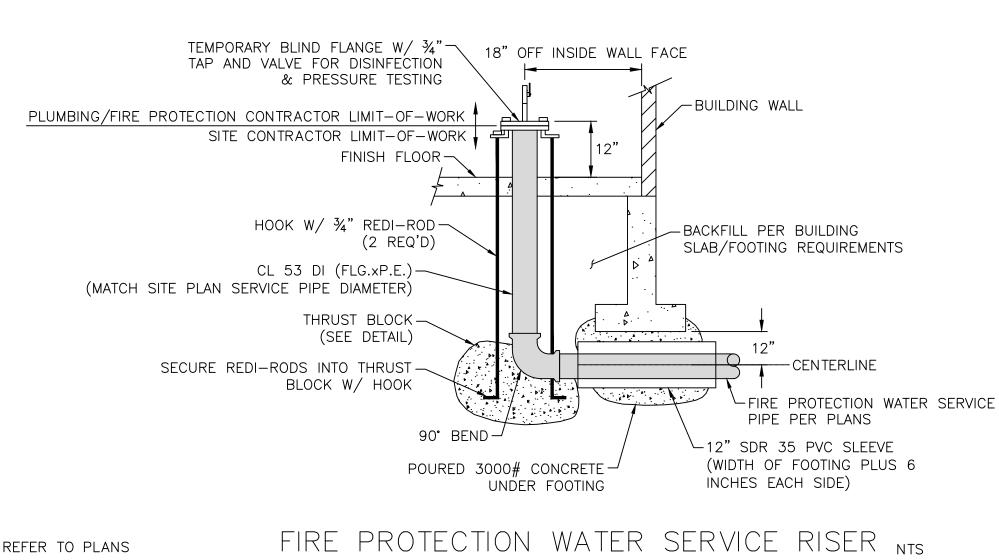
1) SET TREE ROOT CROWN 2" ABOVE FINISH GRADE.

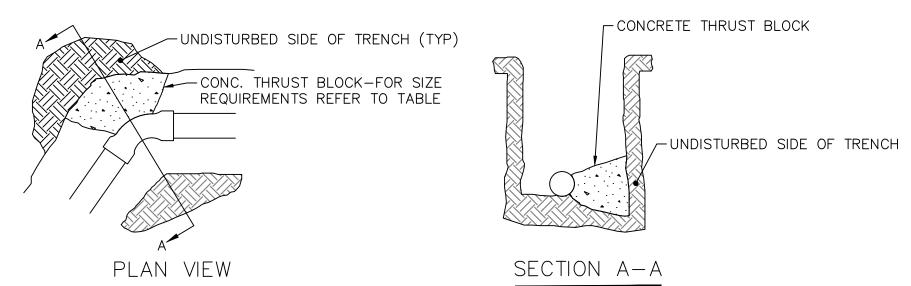
2) DO NOT PLACE SOIL OVER ROOTBALL.

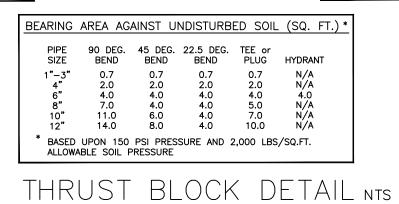


#### CONCRETE PAD NTS

- 1) THIS DETAIL APPLIES TO ALL EXTERIOR CONCRETE PADS EXCEPT FOR THE TRANSFORMER PAD AND THE CONCRETE SIDEWALKS.
- 2) CONCRETE MIX DESIGN SHALL BE FOR EXTERIOR USE; AIR-ENTRAINED, 4,000 PSI MIN. (28-DAY), 3/4"
- 3) WHEN THE PAD ABUTS A STRUCTURE OR EXISTING HARD SURFACE (CONCRETE, ETC,), INSTALL AN EXPANSION JOINT ACROSS THE ENTIRETY OF THE ABUTTING FACE WITH PREFORMED FIBER JOINT FILLER AND FILL WITH 1" DEEP OF POLYURETHANE JOINT SEALANT.
- 4) PAD SHALL HAVE A MEDIUM BROOM FINISH. THERE SHALL BE NO SMOOTHED TOOL JOINTS; BROOM FINISH SHALL EXTEND TO THE EDGES OF THE PAD AND ACROSS ANY JOINTS.







-LOAM & SEED PAVEMENT & GRAVEL PER PLAN-PER PLAN SAW CUT EXISTING PAVEMENT DETECTABLE WARNING-TAPE "WATER LINE BELOW" 5'MIN COVER COMPACT BACKFILL IN 12" LIFTS ─ WATER MAIN PER DRAWINGS 6'MIN SAND BEDDING IN LEDGE

DUCTILE IRON WATER MAIN TRENCH SECTION NTS

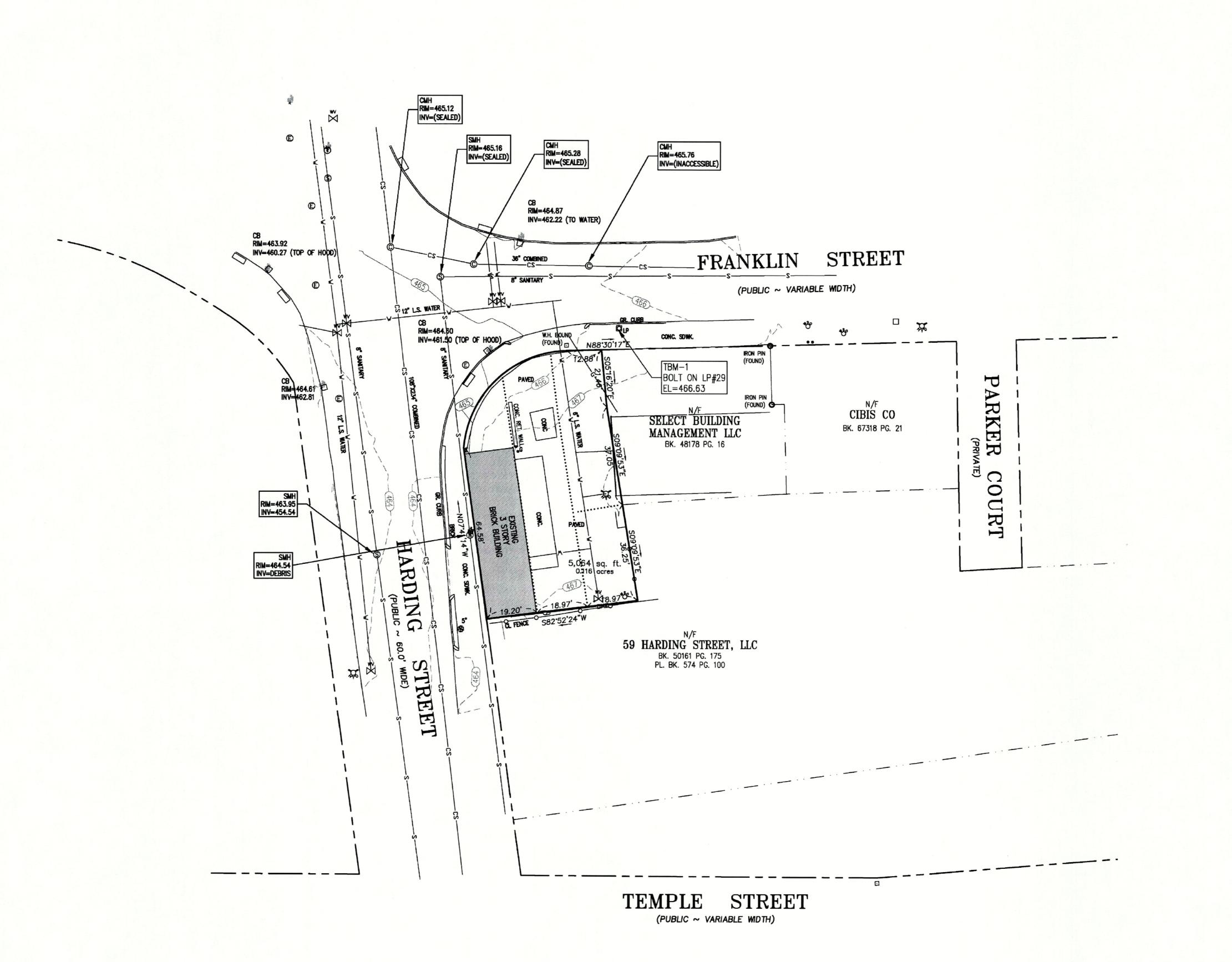
1) BACKFILL SHALL BE AN AASHTO CLASS III SOIL; EITHER TRENCH SPOILS OR AN IMPORTED SAND AND GRAVEL WITH FINES AND COMPACTED TO 90% OF THE PROCTOR DENSITY.



				ISSUED FOR PERMITTING	DESCRIPTION	REVISIONS	
				DFS	ВҮ	RE	
				01/24/24	DATE		
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AMPED DE, P.E.							

DETAILS E REDEVEI REET, WORCES

SITE D MIXED-USE I HARDING STREE



#### NOTES:

THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ANY FINDINGS SUCH A REPORT MIGHT DISCLOSE.

#### REFERENCES:

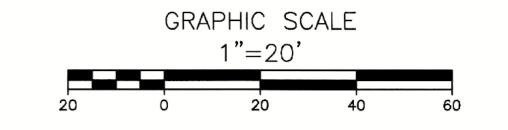
DEED BOOK 58931 PAGE 180 ASSESSORS REFERENCE: 04-016-00003

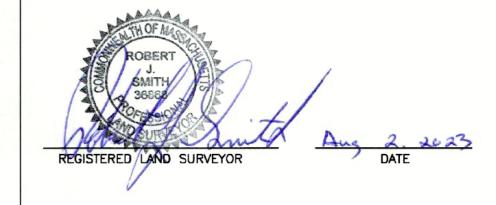
LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON THE FIELD LOCATION OF ALL VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER GATES, ETC. AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. IN ACCORDANCE WITH CHAPTER 82 SECTION 40 INCLUDING AMENDMENTS ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK OR CALL DIG—SAFE AT 1—888—344—7233.

#### **ZONING:**

BG-3.0

ALL ABOVE DEEDS AND PLANS ARE RECORDED WITH THE WORCESTER DISTRICT REGISTRY OF DEEDS.





# B&R SURVEY, INC.

100 GROVE STREET WORCESTER, MA 01605 TEL 508-756-8579 FAX 508-421-4797

**EXISTING CONDITIONS SITE PLAN** 

LAND OWNED BY:

WILLISTON DEVELOPMENT, LLC

51 HARDING STREET WORCESTER, MASSACHUSETTS

SCALE: 1"=20'

DATE: AUGUST 2, 2023

 FIELD: RJS
 CALC: RPB
 CHECK: RJS

 SHEET 1 OF 1
 JOB #23-095

