

SITE PLAN OF LAND  
AT 424 MAIN STREET  
IN  
LEICESTER, MASSACHUSETTS

APPLICANT:  
AREFA, LLC  
41 MIDGLEY LANE  
WORCESTER, MASSACHUSETTS 01604

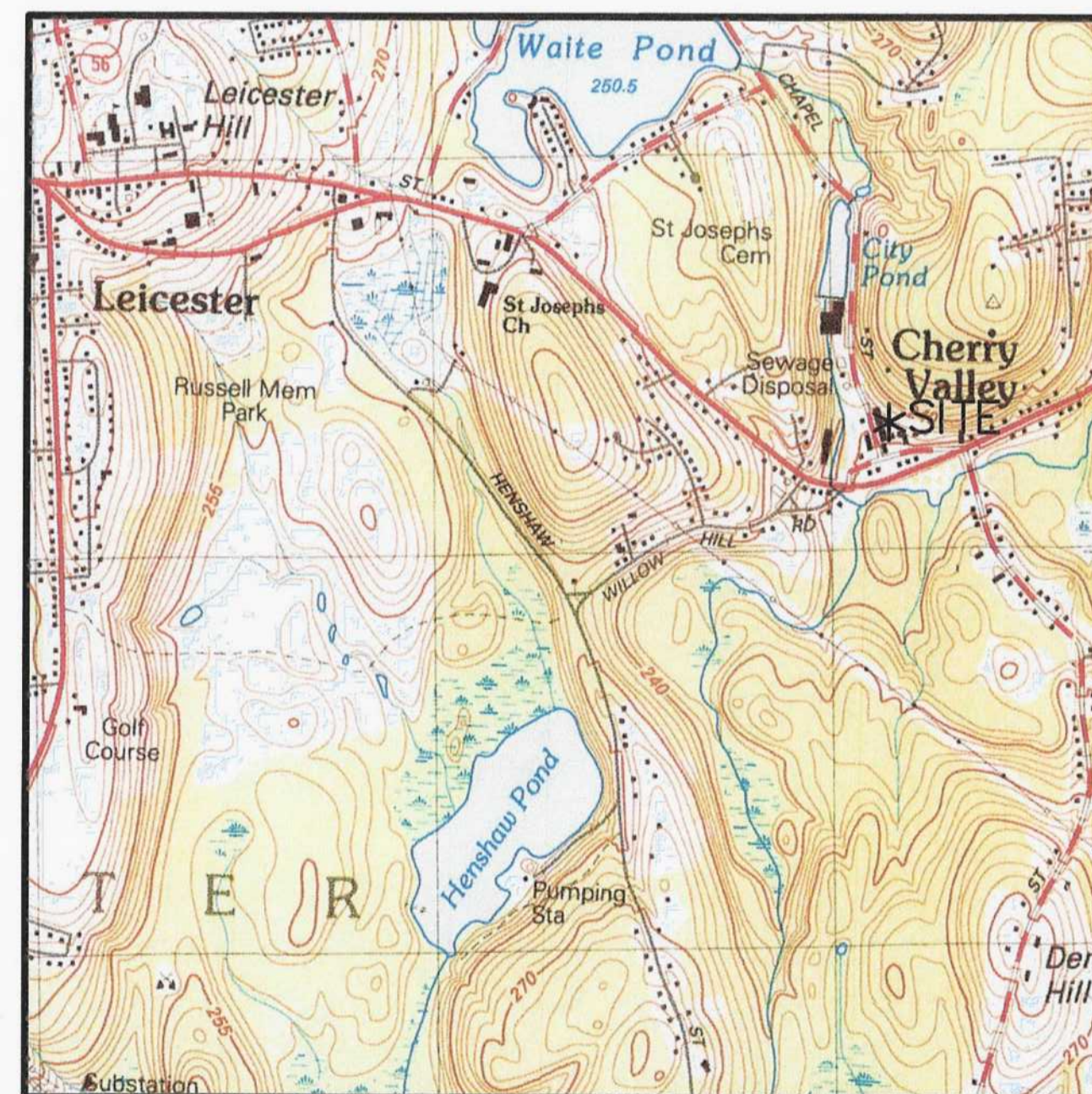
OWNERS:  
JOSEPH E. & CAROL LOADER  
31 WOODSTONE ROAD  
NORTHBOROUGH, MASSACHUSETTS 01532

CLIENT NUMBER: 507  
JOB NUMBER: 197-507  
DRAWING : 424MAINSTREETCURRENT.dwg

PREPARED BY  
AZIMUTH LAND DESIGN, LLC  
118 TURNPIKE ROAD, SUITE 200  
SOUTHBOROUGH, MASSACHUSETTS 01772  
TELEPHONE (508) 485-0137  
EMAIL: jamest@azimuthlanddesign.co

DATE:

MAY 5, 2022  
REVISED JULY 25, 2022  
REVISED AUGUST 8, 2022  
REVISED AUGUST 11, 2022

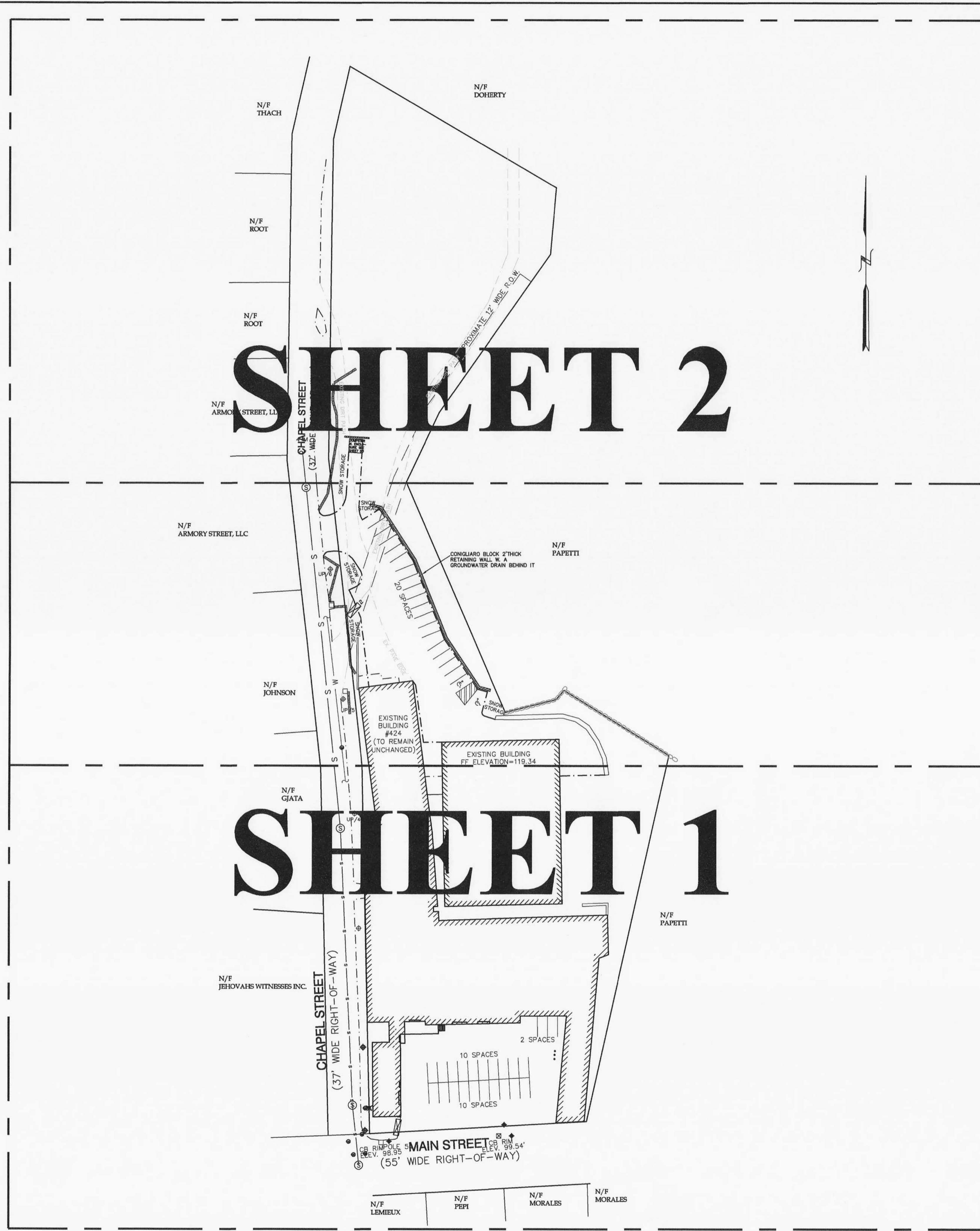


LOCUS MAP  
1" = 1,300'

SHEET DIRECTORY

TITLE SHEET	(THIS SHEET)
KEY SHEET	
EXISTING CONDITIONS PLAN	E1 - E2
SITE LAYOUT PLAN	SL1 - SL2
GRADING PLAN	G1 - G2
LANDSCAPING PLAN	LS1
DETAIL SHEETS	D1 - D3





# SHEET 2

# SHEET 1

**NOTES:**

1. PROPERTY LINES, TOPOGRAPHIC INFORMATION AND EXISTING FEATURE INFORMATION ARE THE WORK PRODUCT OF HS&T GROUP, INC.
2. THIS PROPERTY IS SHOWN AS PARCEL 53 ON MAP 23A BY THE LEICESTER ASSESSORS.
3. THE DEED TO THIS PROPERTY IS RECORDED AT DOCUMENTS 37654 & 37655 AT THE WORCESTER DISTRICT REGISTRY OF DEEDS.
4. ALL ELEVATIONS SHOWN ARE IN THE NAVD 1988 BASIS.
5. THE PROPERTY IS IN THE BUSINESS ZONING DISTRICT. THE EXISTING BUILDING IS AN EXISTING NON-CONFORMING STRUCTURE.
6. NO ALTERATIONS ARE PROPOSED TO THE OUTSIDE OF THE EXISTING STRUCTURE NOR ANY ADDITIONS.
7. NO PROPERTY LINE CHANGES ARE PROPOSED FOR THIS PROJECT.
8. THERE ARE NO FEMA FLOOD ZONES ON THIS PROPERTY.
9. THERE ARE NO RESOURCE AREAS UNDER THE JURISDICTION OF THE MASSACHUSETTS NATURAL HERITAGE ENDANGERED SPECIES PROGRAM ON THIS PROPERTY.
10. THERE ARE NO WETLAND RESOURCE AREAS ON SITE OR WITHIN 100 FEET OF THE PROPERTY.
11. THE MASSACHUSETTS CULTURAL RESOURCE INFORMATION SYSTEM (MACRIS) DOES NOT LIST ANY HISTORICALLY, CULTURALLY OR ARCHEOLOGICALLY SIGNIFICANT RESOURCES AT THIS LOCATION.

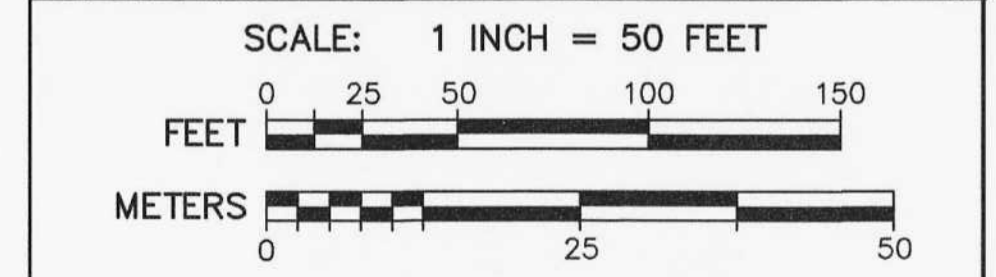


**AZIMUTH LAND DESIGN, LLC**  
 Professional Engineers & Erosion Control Specialists  
 118 Turnpike Road, Suite 200, Southborough, MA 01772  
 Telephone (508)-485-0137    james@azimuthtlanddesign.co

CLT. NO.	JOB NO.
504	197-504

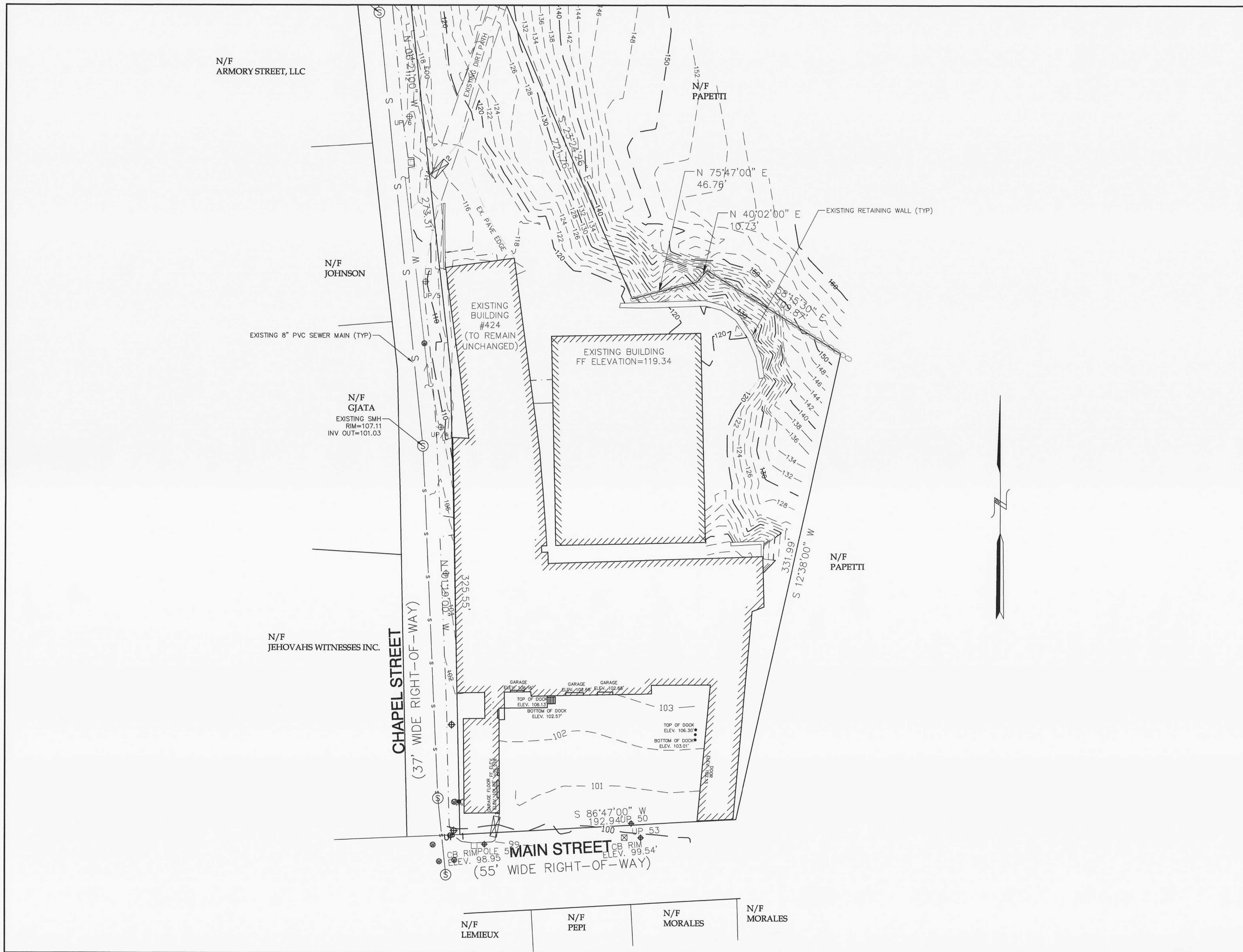
DATE:	DWG NO.
MAY 5, 2022	424MAINSTREETCURRENT

REVISIONS	
DATE:	DESCRIPTION
7/25/22	TOWN REVIEW
8/8/22	TOWN REVIEW
8/11/22	NO CHANGES TO THIS SHEET



**SITE PLAN OF LAND**  
 AT 424 MAIN STREET  
 IN  
 LEICESTER, MASS.  
 APPLICANT:  
**AREFA, LLC**  
 41 MIDGLEY LANE  
 WORCESTER, MASSACHUSETTS 01604





**LEGEND**

	EXISTING CURB
	WATER LINE
	OVERHEAD WIRES
	EXISTING 2' CONTOUR
	EXISTING 10' CONTOUR
	RETAINING WALL
	UTILITY POLE
	WATER SHUT OFF
	SEWER MANHOLE
	DRAIN MANHOLE
	CATCHBASIN WITH HEADER
	STONE BOUND DRILL HOLE
	IRON PIPE FOUND
	EXISTING SPOT GRADE
	TREE
	DEEP OBSERVATION HOLE

- NOTES:**
1. PROPERTY LINES, TOPOGRAPHIC INFORMATION AND EXISTING FEATURE INFORMATION ARE THE WORK PRODUCT OF HS&T GROUP, INC.
  2. THIS PROPERTY IS SHOWN AS PARCEL 53 ON MAP 23A BY THE LEICESTER ASSESSORS.
  3. THE DEED TO THIS PROPERTY IS RECORDED AT DOCUMENTS 37854 & 37855 AT THE WORCESTER DISTRICT REGISTRY OF DEEDS.
  4. ALL ELEVATIONS SHOWN ARE ON AN ASSUMED 100 BASIS.
  5. THE PROPERTY IS IN THE BUSINESS ZONING DISTRICT. THE EXISTING BUILDING IS AN EXISTING NON-CONFORMING STRUCTURE.
  6. NO ALTERATIONS ARE PROPOSED TO THE OUTSIDE OF THE EXISTING STRUCTURE NOR ANY ADDITIONS.
  7. NO PROPERTY LINE CHANGES ARE PROPOSED FOR THIS PROJECT.
  8. THERE ARE NO FEMA FLOOD ZONES ON THIS PROPERTY.
  9. THERE ARE NO RESOURCE AREAS UNDER THE JURISDICTION OF THE MASSACHUSETTS NATURAL HERITAGE ENDANGERED SPECIES PROGRAM ON THIS PROPERTY.
  10. THERE ARE NO WETLAND RESOURCE AREAS ON SITE OR WITHIN 100 FEET OF THE PROPERTY.
  11. THE MASSACHUSETTS CULTURAL RESOURCE INFORMATION SYSTEM (MACRIS) DOES NOT LIST ANY HISTORICALLY, CULTURALLY OR ARCHEOLOGICALLY SIGNIFICANT RESOURCES AT THIS LOCATION.

**AZIMUTH LAND DESIGN, LLC**  
 Professional Engineers & Erosion Control Specialists  
 118 Turnpike Road, Suite 200, Southborough, MA 01772  
 Telephone (508) 455-0137 james@azimuthlanddesign.co

CLT. NO.	504	JOB NO.	197-504
DATE:	MAY 5, 2022	DWG NO.	424MAINSTREETCURRENT
REVISIONS			
DATE:	DESCRIPTION		
7/25/22	TOWN REVIEW		
8/8/22	NO CHANGES TO THIS SHEET		
8/11/22	NO CHANGES TO THIS SHEET		
SCALE: 1 INCH = 30 FEET			

**SITE PLAN OF LAND**  
 AT 424 MAIN STREET  
 IN  
 LEICESTER, MASS.  
 APPLICANT:  
**AREFA, LLC**  
 41 MIDGLEY LANE  
 WORCESTER, MASSACHUSETTS 01604  
 EXISTING CONDITIONS PLAN - E1





**LEGEND**

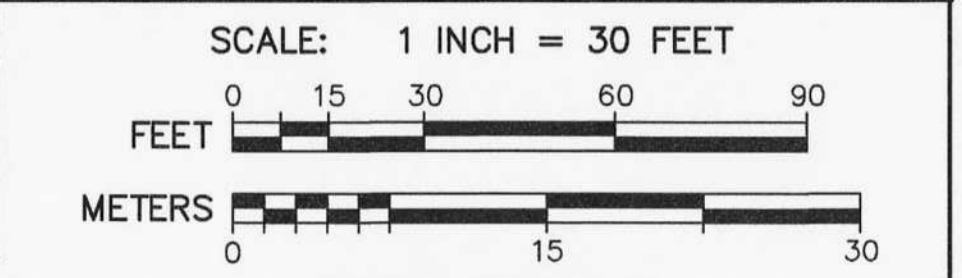
	EXISTING CURB
	WATER LINE
	OVERHEAD WIRES
	EXISTING 2' CONTOUR
	EXISTING 10' CONTOUR
	RETAINING WALL
	UTILITY POLE
	WATER SHUT OFF
	SEWER MANHOLE
	DRAIN MANHOLE
	CATCHBASIN WITH HEADER
	STONE BOUND DRILL HOLE
	IRON PIPE FOUND
	EXISTING SPOT GRADE
	TREE
	DEEP OBSERVATION HOLE
	PERCOLATION TEST

- NOTES:**
1. PROPERTY LINES, TOPOGRAPHIC INFORMATION AND EXISTING FEATURE INFORMATION ARE THE WORK PRODUCT OF HS&T GROUP, INC.
  2. THIS PROPERTY IS SHOWN AS PARCEL 53 ON MAP 23A BY THE LEICESTER ASSESSORS.
  3. THE DEED TO THIS PROPERTY IS RECORDED AT DOCUMENTS 37654 & 37655 AT THE WORCESTER DISTRICT REGISTRY OF DEEDS.
  4. ALL ELEVATIONS SHOWN ARE ON AN ASSUMED 100 BASIS.
  5. THE PROPERTY IS IN THE BUSINESS ZONING DISTRICT. THE EXISTING BUILDING IS AN EXISTING NON-CONFORMING STRUCTURE.
  6. NO ALTERATIONS ARE PROPOSED TO THE OUTSIDE OF THE EXISTING STRUCTURE NOR ANY ADDITIONS.
  7. NO PROPERTY LINE CHANGES ARE PROPOSED FOR THIS PROJECT.
  8. THERE ARE NO FEMA FLOOD ZONES ON THIS PROPERTY.
  9. THERE ARE NO RESOURCE AREAS UNDER THE JURISDICTION OF THE MASSACHUSETTS NATURAL HERITAGE ENDANGERED SPECIES PROGRAM ON THIS PROPERTY.
  10. THERE ARE NO WETLAND RESOURCE AREAS ON SITE OR WITHIN 100 FEET OF THE PROPERTY.
  11. THE MASSACHUSETTS CULTURAL RESOURCE INFORMATION SYSTEM (MACRIS) DOES NOT LIST ANY HISTORICALLY, CULTURALLY OR ARCHEOLOGICALLY SIGNIFICANT RESOURCES AT THIS LOCATION.

**AZIMUTH LAND DESIGN, LLC**  
 Professional Engineers & Erosion Control Specialists  
 118 Turnpike Road, Suite 200, Southborough, MA 01772  
 Telephone (508)-485-0137 james@azimutlanddesign.co

CLT. NO.	JOB NO.
504	197-504
DATE:	DWG NO.
MAY 5, 2022	424MAINSTREETCURRENT

REVISIONS	
DATE:	DESCRIPTION
7/25/22	TOWN REVIEW
8/8/22	NO CHANGES TO THIS SHEET
8/11/22	NO CHANGES TO THIS SHEET



**SITE PLAN OF LAND**  
 AT 424 MAIN STREET  
 IN  
 LEICESTER, MASS.  
 APPLICANT:  
**AREFA, LLC**  
 41 MIDGLEY LANE  
 WORCESTER, MASSACHUSETTS 01604  
 EXISTING CONDITIONS PLAN - E2



PROPOSED ZURN MODEL Z882 12" WIDE HEAVY DUTY TRENCH DRAIN (OR APPROVED EQUAL) WITH A DUCTILE IRON SLOTTED GRATE  
32' LONG, RIM EL.=111.20, 6" INV. OUT=110.18

N/F ARMORY STREET, LLC

PROPOSED SEWER CONNECTION  
INV=104.73

PROPOSED STORMCEPTOR MODEL 4501  
RIM ELEV.=113.50  
INV. IN=109.50 INV. OUT=109.25

INV. (AT "Y")=108.75

INV. (AT DICB)=107.10

EXISTING DICB RIM EL.=110.18

SHORTEN RETAINING WALL 8 FEET

N/F JOHNSON

PROPOSED RESIDENTIAL AND FIRE SUPPRESSION 4" POLYETHYLENE WATER LINES (TYP) MUST MAINTAIN 5' OF COVER THROUGH OUT

EXISTING 8" PVC SEWER MAIN (TYP)

N/F GJATA

EXISTING SMH RIM=107.11 INV OUT=101.03

N/F JEHOVAHS WITNESSES INC.

CHAPEL STREET  
(37' WIDE RIGHT-OF-WAY)

5 MAIN STREET  
(55' WIDE RIGHT-OF-WAY)

N/F LEMIEUX

N/F PEPI

N/F MORALES

N/F MORALES

N/F PAPERETTI

CONGLIARI BLOCK 2" THICK RETAINING WALL W. A GROUNDWATER DRAIN BEHIND IT

N 75°47'00" E  
46.76'

N 40°02'00" E  
10.73'

S 12°38'00" W  
331.99'

8" GRAVEL ACCESS PATH BESIDE HVAC PAD

N/F PAPERETTI

PROPOSED CONCRETE PAVERS 16'X65' SURFACE FOR AIR CONDITIONING UNITS (SEE SHEET D3 FOR DETAIL)

GARAGE ELEV. 102.98' ELEV. 102.98' ELEV. 102.98'

TOP OF DOCK ELEV. 106.13' BOTTOM OF DOCK ELEV. 102.57'

2 SPACES TOP OF DOCK ELEV. 106.30' BOTTOM OF DOCK ELEV. 103.01'

10 SPACES

10 SPACES

S 86°47'00" W  
192.940' 50

UP 53

CB RIM POLE ELEV. 98.95'

CB RIM ELEV. 99.54'

LEGEND

- EXISTING CURB
- WATER LINE
- OHW OVERHEAD WIRES
- EXISTING 2' CONTOUR
- 120 EXISTING 10' CONTOUR
- RETAINING WALL
- UTILITY POLE
- WSO WATER SHUT OFF
- SM SEWER MANHOLE
- DM DRAIN MANHOLE
- SBDH STONE BOUND DRILL HOLE
- IPF IRON PIPE FOUND
- x315.3 EXISTING SPOT GRADE
- 6' MAPLE TREE
- 1 DEEP OBSERVATION HOLE
- 1 PERCOLATION TEST

NOTE:

- 1) THE OWNER SHALL APPLY TO THE LEICESTER ASSESSOR TO HAVE A CHAPEL STREET ADDRESS GIVEN TO THE RECTANGULAR BUILDING TO AVOID CONFUSION IN DELIVERIES AND EMERGENCY RESPONSE.
- 2) THE EXISTING OVERHEAD DOOR ON THE RECTANGULAR BUILDING SHALL REMAIN BUT NO VEHICLES WILL BE ALLOWED TO DRIVE INTO THE BUILDING.
- 3) THE APPLICANT SHALL CLEAN OUT THE SUMPS OF THE THREE DROP INLET CATCH BASINS ALONG THE CHAPEL STREET FRONTAGE OF THIS PROPERTY.
- 4) THE APPLICANT SHALL REPLACE THE DROP INLET CATCH BASIN TO WHICH DRAINAGE CONNECTIONS ARE PROPOSED, IF NECESSARY BECAUSE INSTALLING THE TWO DRAINAGE DISCHARGES DAMAGE IT.
- 5) THE RECTANGULAR BUILDING'S EXISTING "DRY" SPRINKLER SYSTEM SHALL BE CHANGED TO A "WET" SYSTEM AND THE RECTANGULAR BUILDING SHALL HAVE ITS OWN FIRE ALARM SYSTEM.

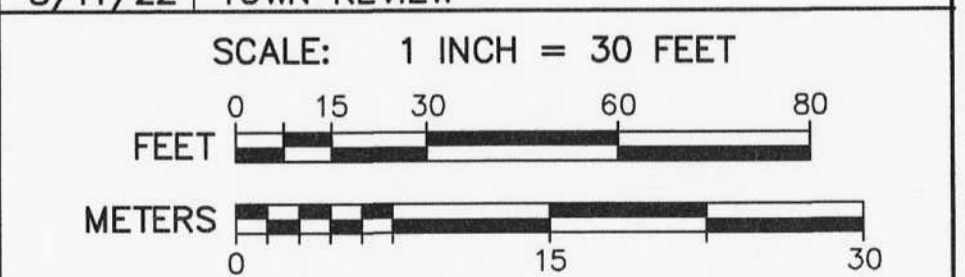


**AZIMUTH LAND DESIGN, LLC**  
Professional Engineers & Erosion Control Specialists  
118 Turnpike Road, Suite 200, Southborough, MA 01772  
Telephone (508) 485-0137 james@azimuthlanddesign.co

CLT. NO.	JOB NO.
504	197-504

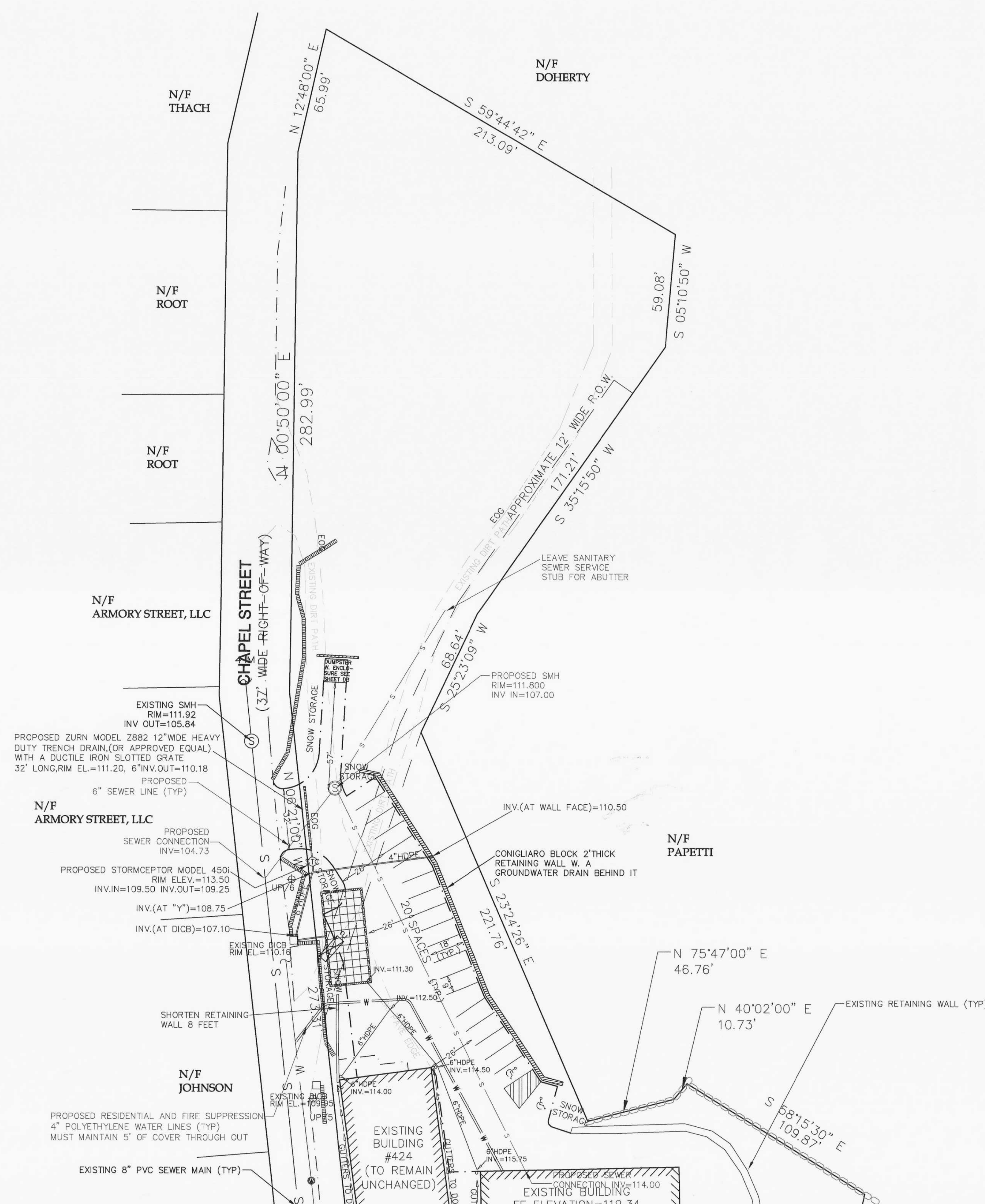
DATE:	DWG NO.
MAY 5, 2022	424MAINSTREETCURRENT

DATE:	REVISIONS DESCRIPTION
7/25/22	TOWN REVIEW
8/8/22	TOWN REVIEW
8/11/22	TOWN REVIEW



SITE PLAN OF LAND  
AT 424 MAIN STREET  
IN  
LEICESTER, MASS.  
APPLICANT:  
**AREFA, LLC**  
41 MIDGLEY LANE  
WORCESTER, MASSACHUSETTS 01604  
SITE LAYOUT PLAN - SL1





**LEGEND**

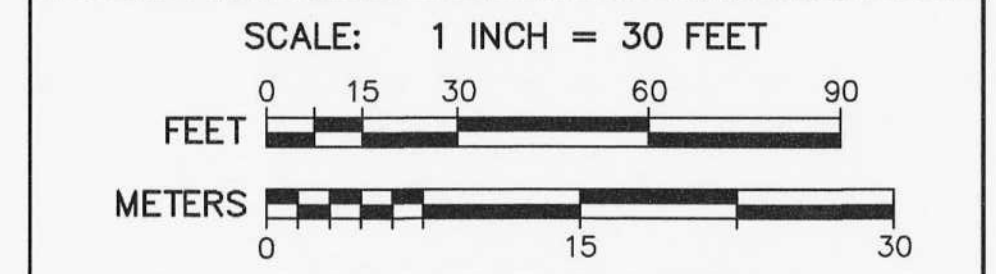
	EXISTING CURB
	WATER LINE
	OVERHEAD WIRES
	EXISTING 2' CONTOUR
	EXISTING 10' CONTOUR
	RETAINING WALL
	UTILITY POLE
	WATER SHUT OFF
	SEWER MANHOLE
	DRAIN MANHOLE
	CATCHBASIN WITH HEADER
	STONE BOUND DRILL HOLE
	IRON PIPE FOUND
	EXISTING SPOT GRADE
	TREE
	DEEP OBSERVATION HOLE
	PERCOLATION TEST

**NOTE:**

- 1) THE OWNER SHALL APPLY TO THE LEICESTER ASSESSOR TO HAVE A CHAPEL STREET ADDRESS GIVEN TO THE RECTANGULAR BUILDING TO AVOID CONFUSION IN DELIVERIES AND EMERGENCY RESPONSE.
- 2) THE EXISTING OVERHEAD DOOR ON THE RECTANGULAR BUILDING SHALL REMAIN BUT NO VEHICLES WILL BE ALLOWED TO DRIVE INTO THE BUILDING.
- 3) THE APPLICANT SHALL CLEAN OUT THE SUMPS OF THE THREE DROP INLET CATCH BASINS ALONG THE CHAPEL STREET FRONTAGE OF THIS PROPERTY.
- 4) THE APPLICANT SHALL REPLACE THE DROP INLET CATCH BASIN TO WHICH DRAINAGE CONNECTIONS ARE PROPOSED, IF NECESSARY BECAUSE INSTALLING THE TWO DRAINAGE DISCHARGES DAMAGE IT.
- 5) THE RECTANGULAR BUILDING'S EXISTING "DRY" SPRINKLER SYSTEM SHALL BE CHANGED TO A "WET" SYSTEM AND THE RECTANGULAR BUILDING SHALL HAVE ITS OWN FIRE ALARM SYSTEM.

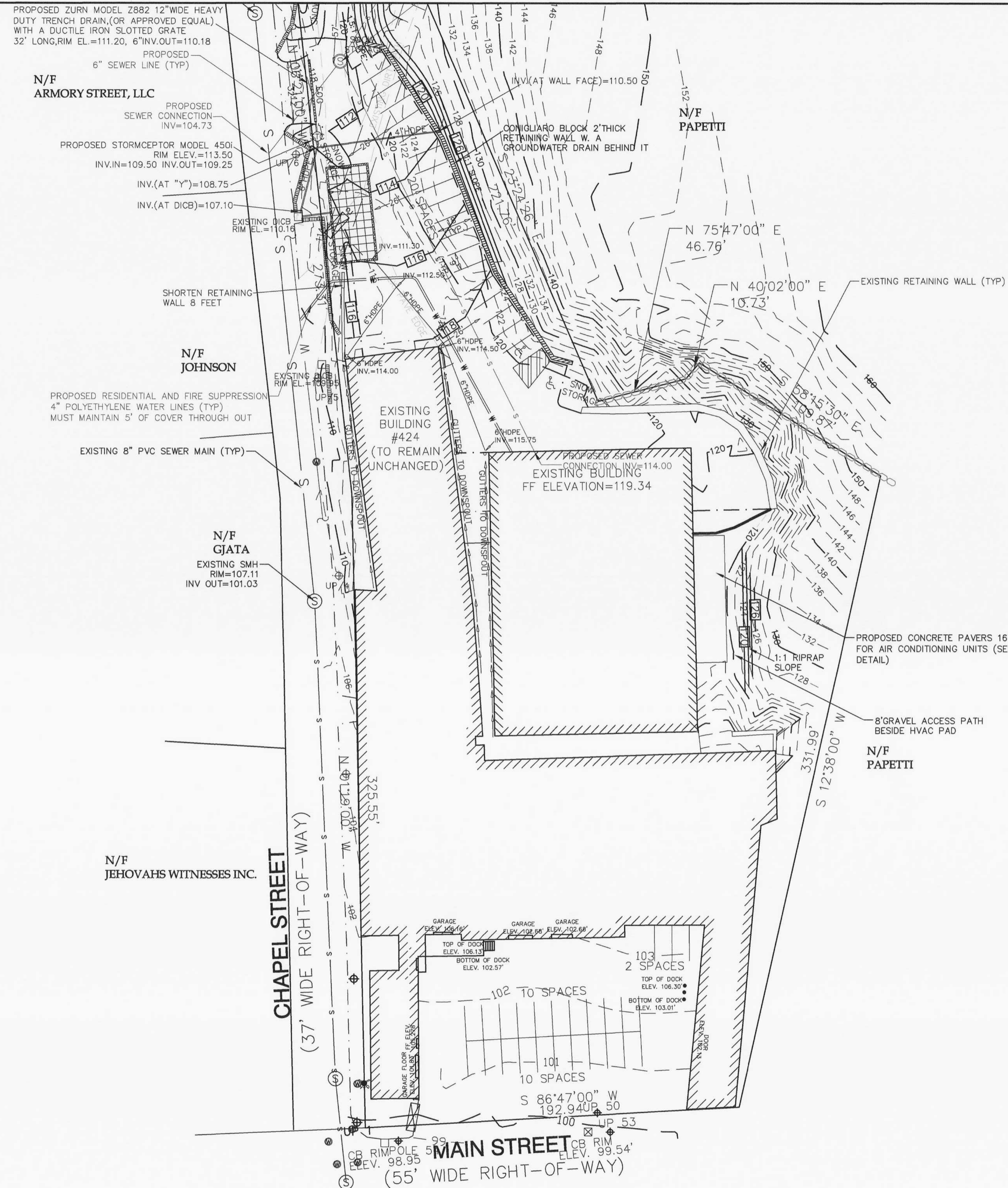
**AZIMUTH LAND DESIGN, LLC**  
 Professional Engineers & Erosion Control Specialists  
 118 Turnpike Road, Suite 200, Marlborough, MA 01772  
 Telephone (508) 455-0137 james@azimuthlanddesign.co

CLT. NO.	504	JOB NO.	197-504
DATE:	MAY 5, 2022	DWG NO.	424MAINSTREETCURRENT
REVISIONS			
DATE:	DESCRIPTION		
7/25/22	TOWN REVIEW		
8/8/22	TOWN REVIEW		
8/11/22	TOWN REVIEW		



**SITE PLAN OF LAND**  
 AT 424 MAIN STREET  
 IN  
 LEICESTER, MASS.  
 APPLICANT:  
**AREFA, LLC**  
 41 MIDGLEY LANE  
 WORCESTER, MASSACHUSETTS 01604  
 SITE LAYOUT PLAN - SL2





**LEGEND**

- EXISTING CURB
- WATER LINE
- OVERHEAD WIRES
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- RETAINING WALL
- UTILITY POLE
- WATER SHUT OFF
- SEWER MANHOLE
- DRAIN MANHOLE
- CATCHBASIN WITH HEADER
- STONE BOUND DRILL HOLE
- IRON PIPE FOUND
- EXISTING SPOT GRADE
- TREE
- DEEP OBSERVATION HOLE
- PERCOLATION TEST
- PROPOSED EROSION CONTROL BARRIER

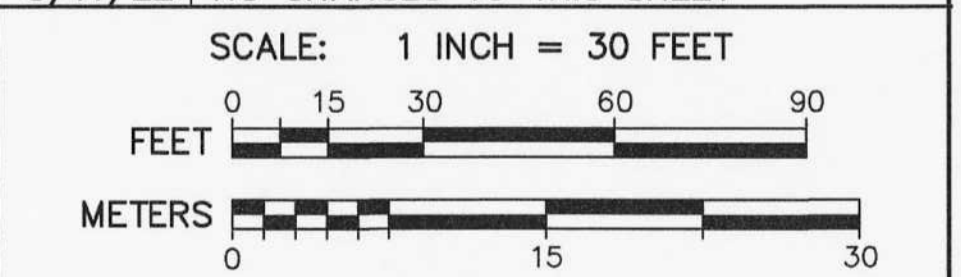
**NOTE:**  
THE PROPOSED GRADING ON THIS SITE PLAN WILL CREATE A NET SOIL SURPLUS OF 2,950 CUBIC YARDS.

**AZIMUTH LAND DESIGN, LLC**  
Professional Engineers & Erosion Control Specialists  
118 Turnpike Road, Suite 200, Southborough, MA 01772  
Telephone (508)-455-0137 james@azimuthlanddesign.co

CLT. NO.	JOB NO.
504	197-504

DATE:	DWG NO.
MAY 5, 2022	424MAINSTREETCURRENT

REVISIONS	
DATE:	DESCRIPTION
7/25/22	TOWN REVIEW
8/8/22	TOWN REVIEW
8/11/22	NO CHANGES TO THIS SHEET



**SITE PLAN OF LAND**  
AT 424 MAIN STREET  
IN  
**LEICESTER, MASS.**  
APPLICANT:  
**AREFA, LLC**  
41 MIDGLEY LANE  
WORCESTER, MASSACHUSETTS 01604  
GRADING PLAN - G1

N/F LEMIEUX      N/F PEPI      N/F MORALES      N/F MORALES





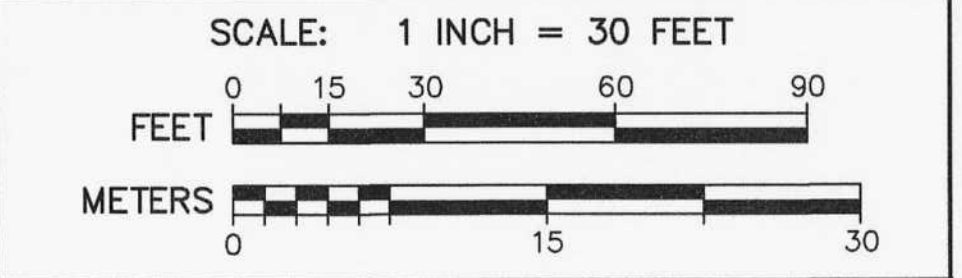
**LEGEND**

	EXISTING CURB
	WATER LINE
	OVERHEAD WIRES
	EXISTING 2' CONTOUR
	EXISTING 10' CONTOUR
	RETAINING WALL
	UTILITY POLE
	WATER SHUT OFF
	SEWER MANHOLE
	DRAIN MANHOLE
	CATCHBASIN WITH HEADER
	STONE BOUND DRILL HOLE
	IRON PIPE FOUND
	EXISTING SPOT GRADE
	TREE
	DEEP OBSERVATION HOLE
	PERCOLATION TEST
	PROPOSED EROSION CONTROL BARRIER

**NOTE:**  
 THE PROPOSED GRADING ON THIS SITE PLAN WILL  
 CREATE A NET SOIL SURPLUS OF 2,950 CUBIC YARDS.

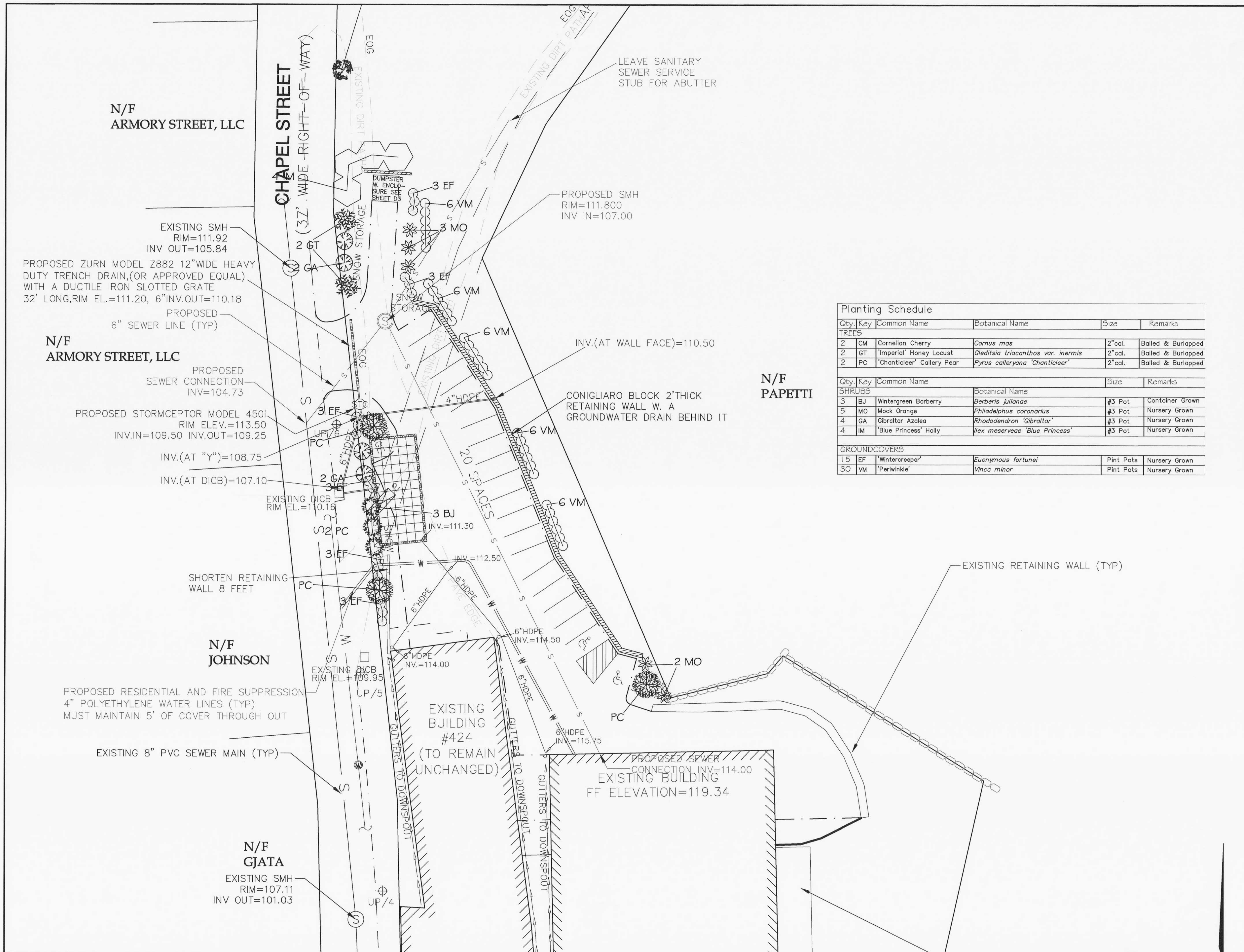
**AZIMUTH LAND DESIGN, LLC**  
 Professional Engineers & Erosion Control Specialists  
 118 Turnpike Road, Suite 200, Southborough, MA 01772  
 Telephone (508)-485-0137 james@azimuthlanddesign.co

CLT. NO.	JOB NO.
504	197-504
DATE:	DWG NO.
MAY 5, 2022	424MAINSTREETCURRENT
REVISIONS	
DATE:	DESCRIPTION
7/25/22	TOWN REVIEW
8/8/22	TOWN REVIEW
8/11/22	NO CHANGES TO THIS SHEET



**SITE PLAN OF LAND**  
 AT 424 MAIN STREET  
 IN  
**LEICESTER, MASS.**  
 APPLICANT:  
**AREFA, LLC**  
 41 MIDGLEY LANE  
 WORCESTER, MASSACHUSETTS 01604  
 GRADING PLAN - G2





**LEGEND**

- EXISTING CURB
- WATER LINE
- OVERHEAD WIRES
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- RETAINING WALL
- UTILITY POLE
- WATER SHUT OFF
- SEWER MANHOLE
- DRAIN MANHOLE
- CATCHBASIN WITH HEADER
- STONE BOUND DRILL HOLE
- IRON PIPE FOUND
- EXISTING SPOT GRADE
- TREE
- DEEP OBSERVATION HOLE
- PERCOLATION TEST

**NOTE:**  
 WHERE NOT OTHERWISE INDICATED, THE PROPOSED STABILIZATION OF EXPOSED SURFACES SHALL BE WITH GRASS AFTER THE APPLICATION OF LOAM AND SEED.

**Planting Schedule**

Qty.	Key	Common Name	Botanical Name	Size	Remarks
<b>TREES</b>					
2	CM	Cornelian Cherry	<i>Cornus mas</i>	2" cal.	Balled & Burlapped
2	GT	'Imperial' Honey Locust	<i>Gleditsia triacanthos var. inermis</i>	2" cal.	Balled & Burlapped
2	PC	'Chanticleer' Callery Pear	<i>Pyrus calleryana 'Chanticleer'</i>	2" cal.	Balled & Burlapped
<b>SHRUBS</b>					
3	BJ	Wintergreen Barberry	<i>Berberis julianae</i>	#3 Pot	Container Grown
5	MO	Mock Orange	<i>Philadelphus coronarius</i>	#3 Pot	Nursery Grown
4	GA	Gibraltar Azalea	<i>Rhododendron 'Gibraltar'</i>	#3 Pot	Nursery Grown
4	IM	'Blue Princess' Holly	<i>Ilex meserveae 'Blue Princess'</i>	#3 Pot	Nursery Grown
<b>GROUNDCOVERS</b>					
15	EF	'Wintercreeper'	<i>Euonymus fortunei</i>	Pint Pots	Nursery Grown
30	VM	'Periwinkle'	<i>Vinca minor</i>	Pint Pots	Nursery Grown

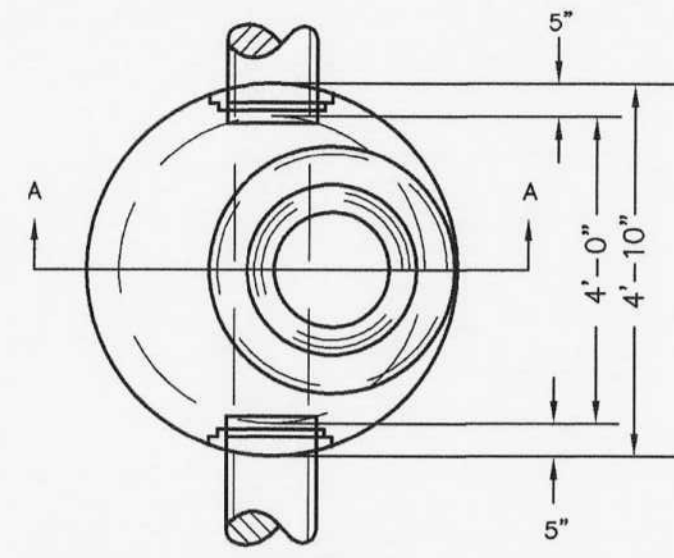
**AZIMUTH LAND DESIGN, LLC**  
 Professional Engineers & Erosion Control Specialists  
 118 Turnpike Road, Suite 200, Southborough, MA 01772  
 Telephone (508)-455-0137 james@azimuthlanddesign.co

CLT. NO.	504	JOB NO.	197-504
DATE:	MAY 5, 2022	DWG NO.	424MAINSTREETCURRENT
REVISIONS			
DATE:	DESCRIPTION		
7/25/22	TOWN REVIEW		
8/8/22	TOWN REVIEW		
8/11/22	NO CHANGES TO THIS SHEET		
SCALE: 1 INCH = 20 FEET			

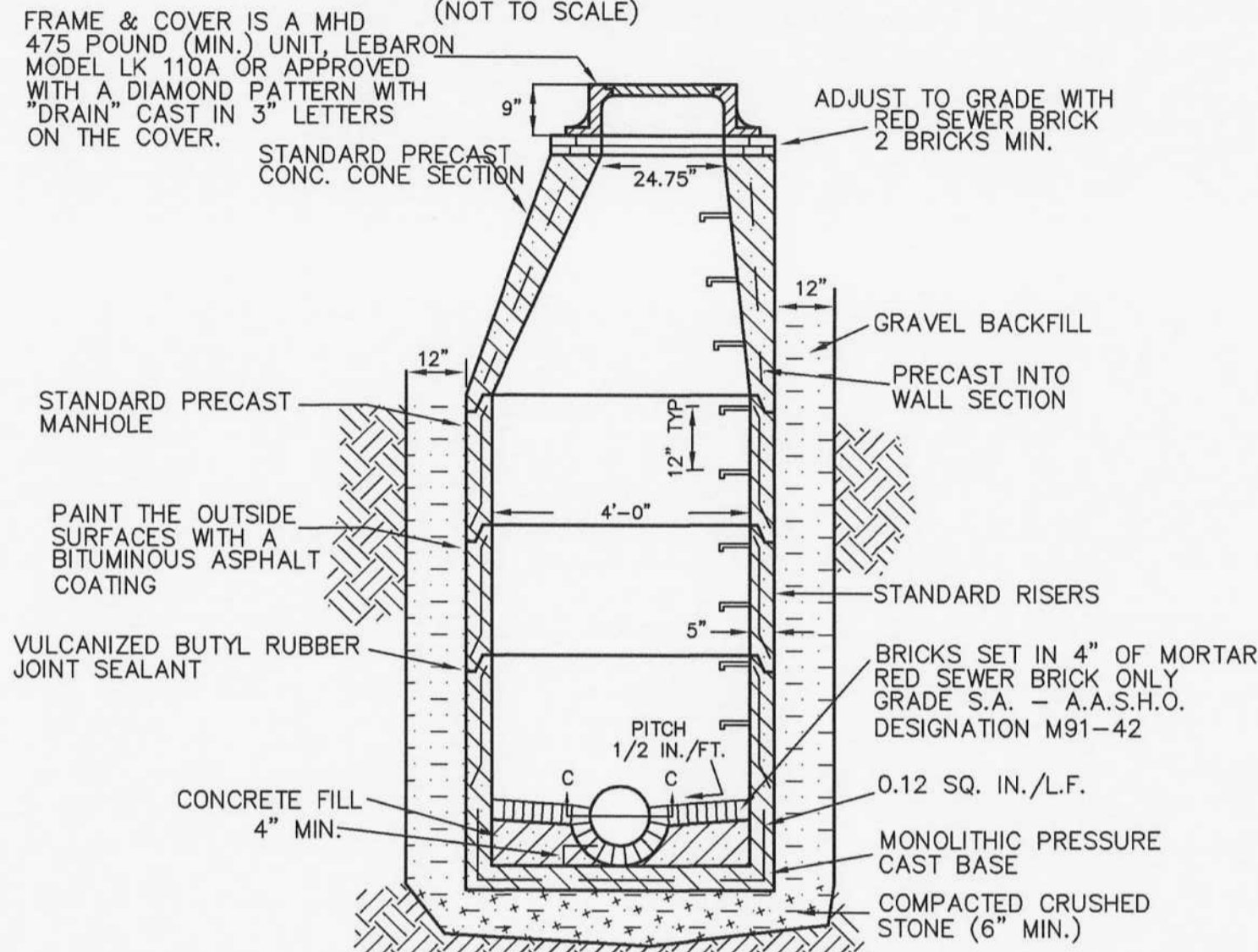
**SITE PLAN OF LAND**  
 AT 424 MAIN STREET  
 IN  
 LEICESTER, MASS.  
 APPLICANT:  
**AREFA, LLC**  
 41 MIDGLEY LANE  
 WORCESTER, MASSACHUSETTS 01604  
 LANDSCAPING PLAN - LS1



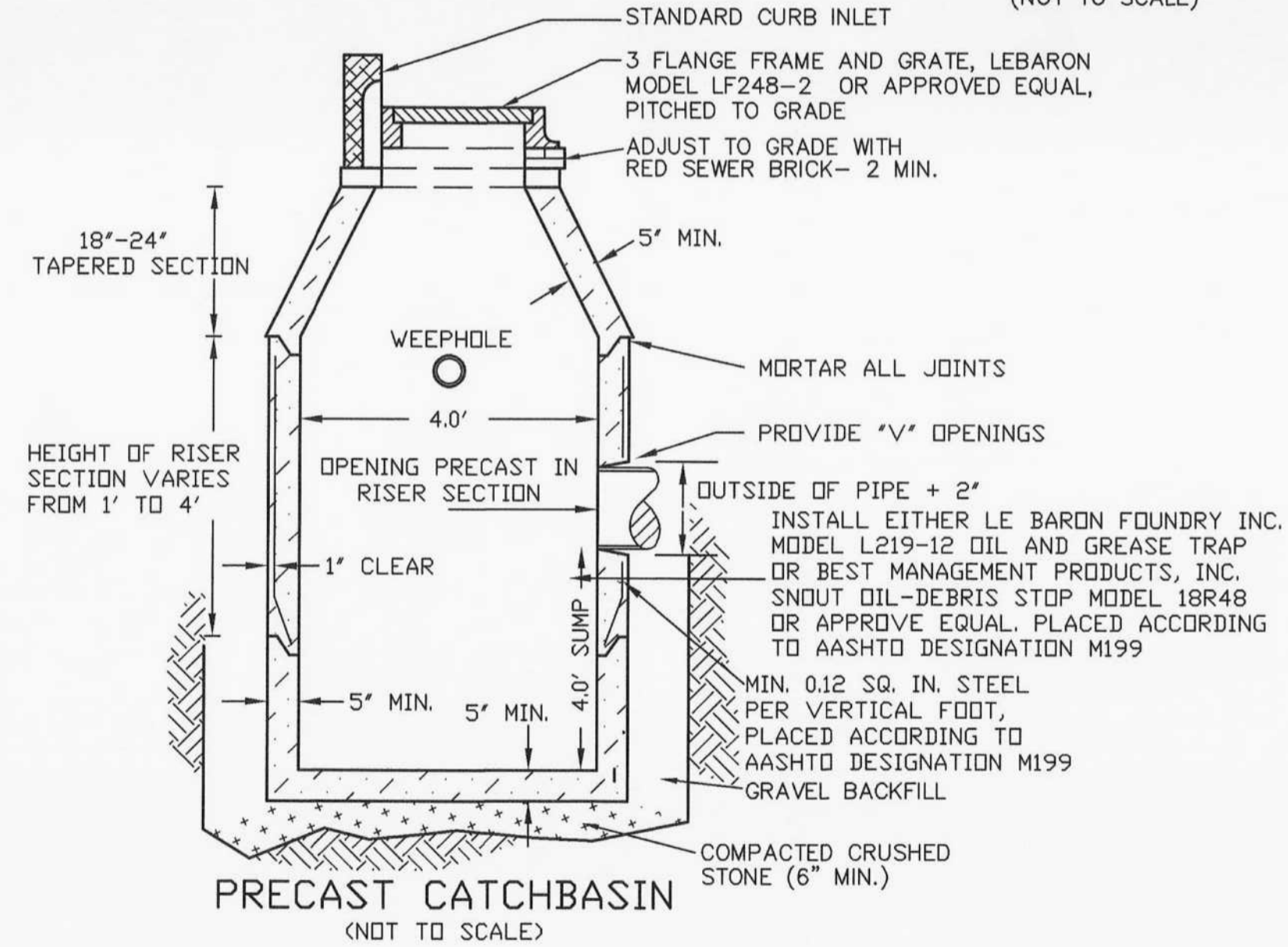
**DIG SAFE:**  
EXCEPT FOR VISIBLE STRUCTURES (MANHOLES, GATES, POLES, ETC.) LOCATED BY THOMPSON-LISTON ASSOCIATES, INC., ALL UNDERGROUND UTILITIES SHOWN WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM THE VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE DESIGNING, EXCAVATING, BLASTING OR INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION, OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC & PRIVATE, MUST BE CONTACTED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. THOMPSON-LISTON ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. CALL "DIG SAFE" AT 811



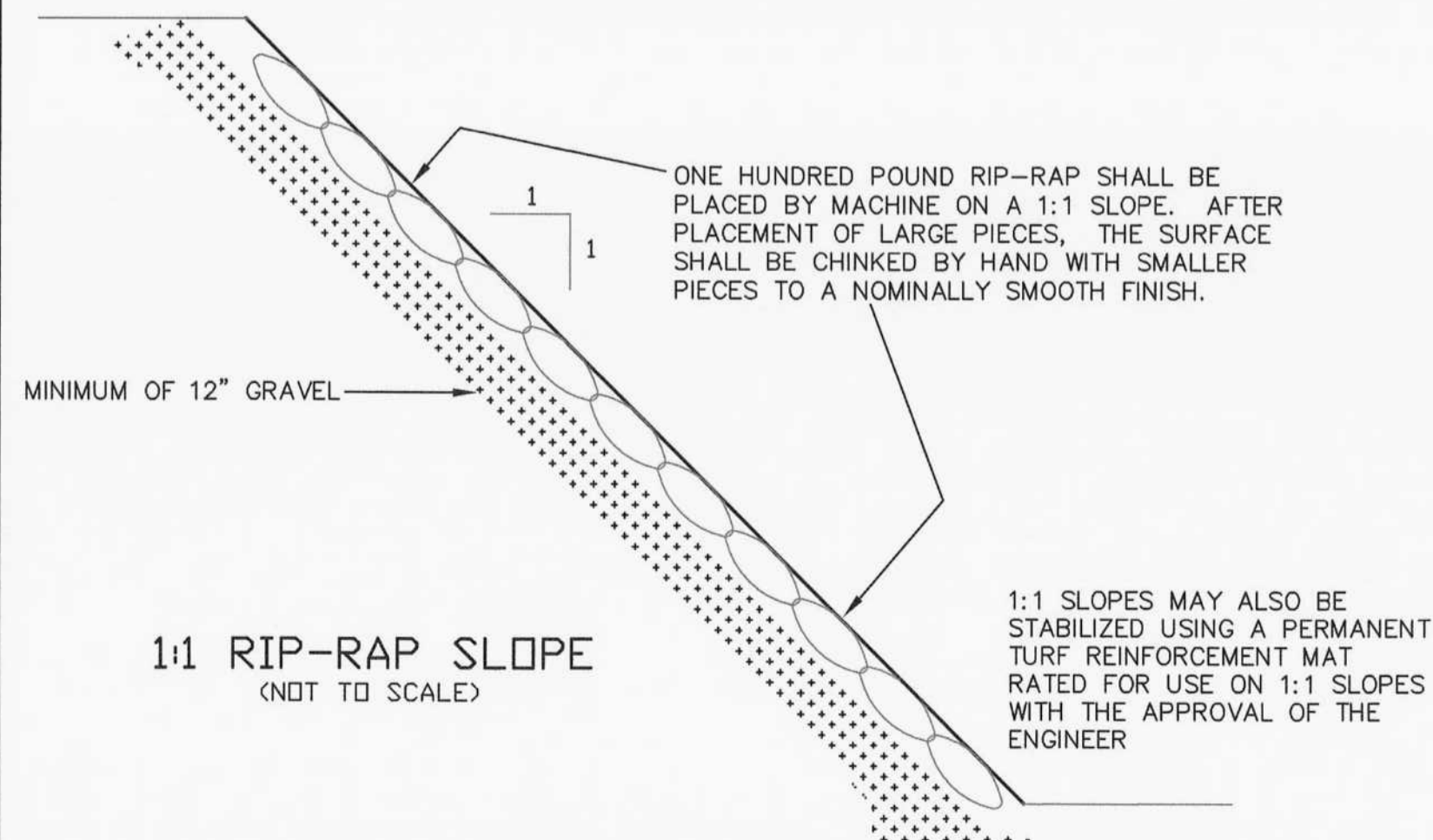
TYPICAL PRE-CAST MANHOLE (NOT TO SCALE)



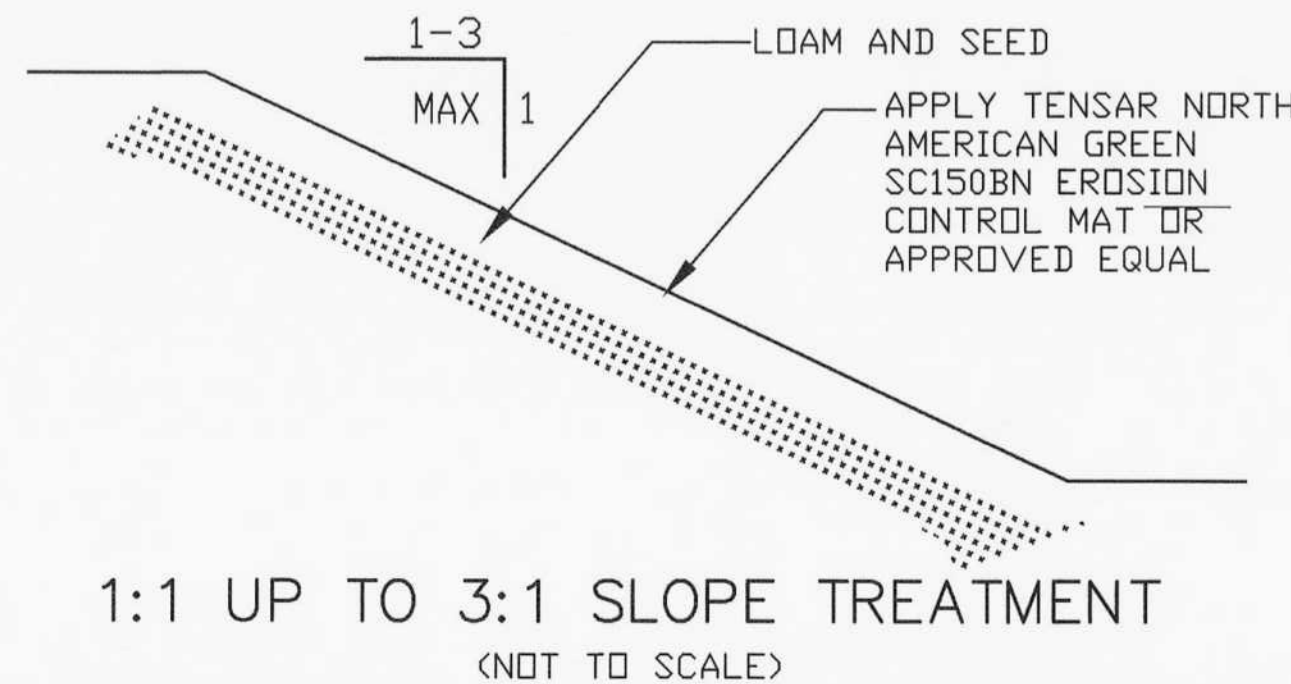
TYPICAL PRE-CAST MANHOLE (NOT TO SCALE)



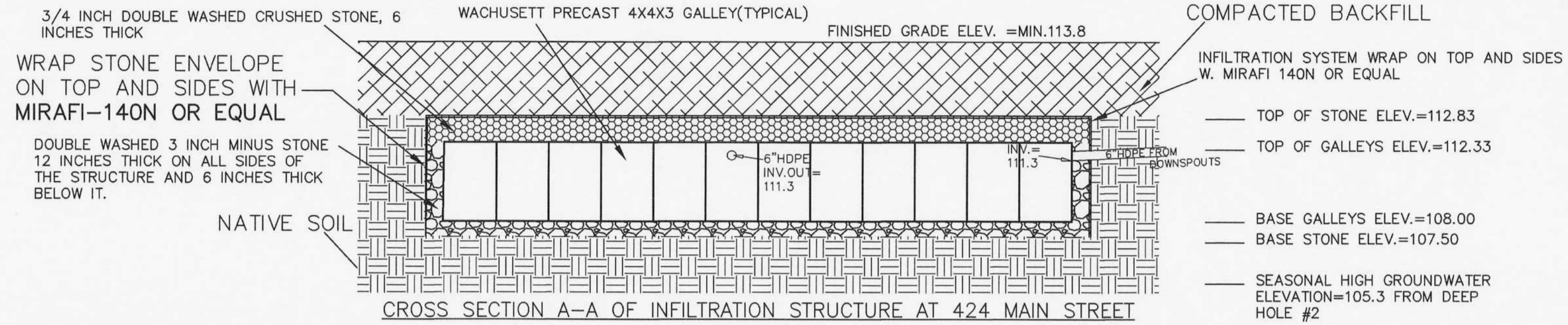
PRECAST CATCHBASIN (NOT TO SCALE)



1:1 RIP-RAP SLOPE (NOT TO SCALE)

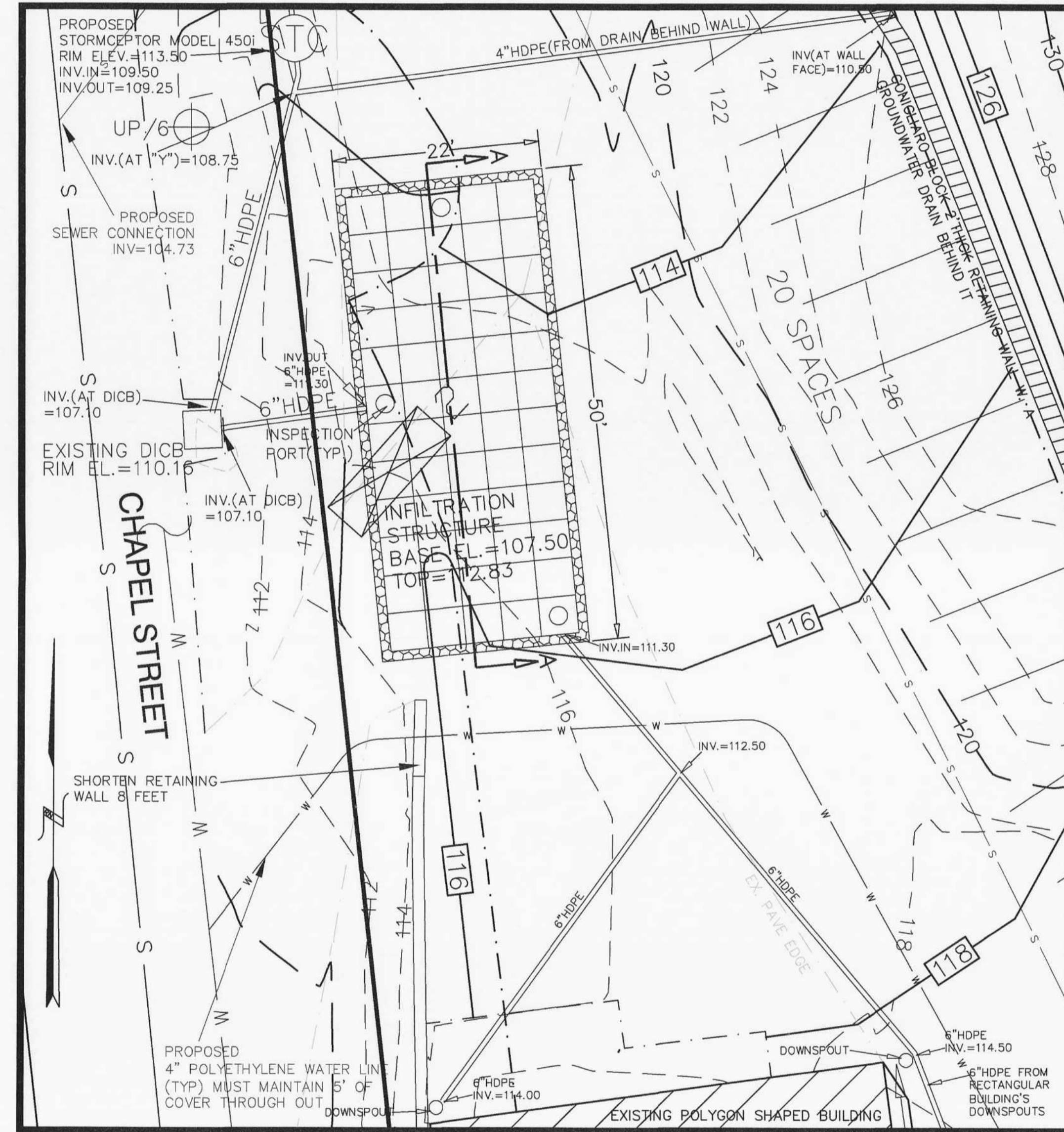


1:1 UP TO 3:1 SLOPE TREATMENT (NOT TO SCALE)

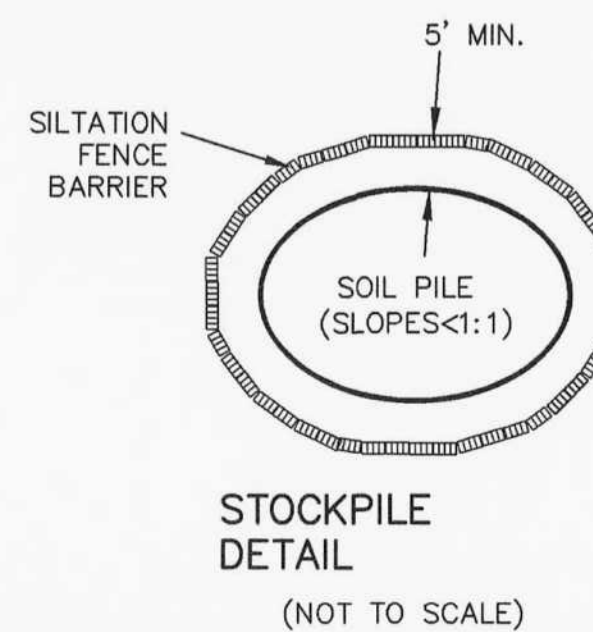


CROSS SECTION A-A OF INFILTRATION STRUCTURE AT 424 MAIN STREET (NOT TO SCALE)

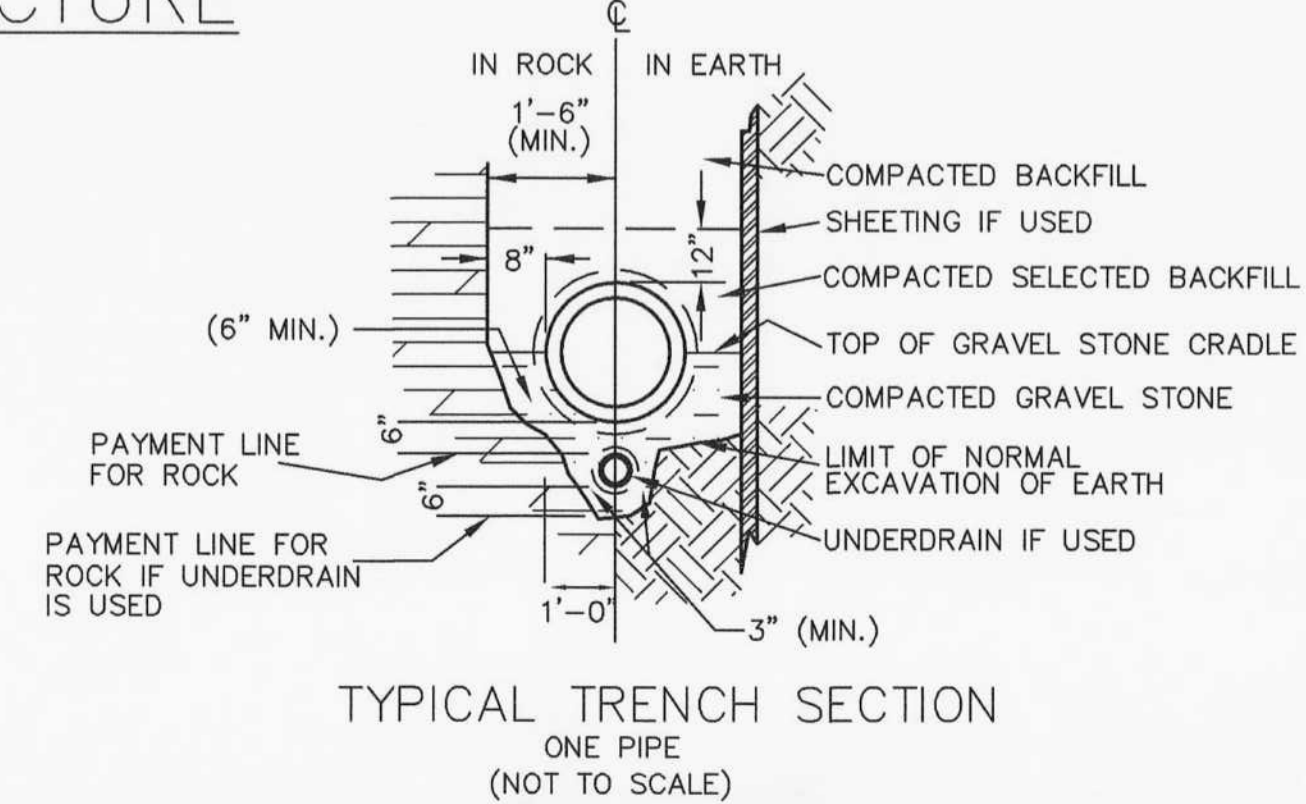
- 1) THE INFILTRATION STRUCTURE SHALL CONSIST OF 60 WACHUSETT PRECAST 4X4X3 GALLEYS IN THE CONFIGURATION SHOWN. THERE WILL BE 30 END UNITS AND 30 MIDDLE UNITS REQUIRED. THE STONE ENVELOPE WILL HAVE AN EXCAVATED FOOTPRINT WITH AN AREA OF 1,100 SQUARE FEET. THE STONE ENVELOPE WITHIN WHICH THE CHAMBERS WILL BE INSTALLED WILL BE 4 FEET DEEP. THE GALLEYS WILL BE INSTALLED TOUCHING AT THEIR BASES AND WILL ALL BE LOCATED AT LEAST 1 FOOT FROM THE EDGE OF THE EXCAVATION.
- 2) THERE SHALL BE 6 INCHES OF DOUBLE WASHED 1.5 INCH MINUS STONE BELOW THE GALLEYS. IF UNSUITABLE MATERIALS SUCH AS FILL, MULCH, TOPSOIL OR SUBSOIL ARE DISCOVERED BELOW THE PROPOSED BASE STONE ELEVATION IN THE AREA OF THE SYSTEM, THAT UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH MORE DOUBLE WASHED CRUSHED STONE.
- 3) THREE INSPECTION PORTS SHALL BE INSTALLED, IN THE LOCATIONS SHOWN.
- 4) THE 6" HDPE OVERFLOW PIPE WILL CONVEY FLOW IN THE 25 AND 100 YEAR STORMS.



INFILTRATION STRUCTURE PLAN VIEW 1" = 10'



STOCKPILE DETAIL (NOT TO SCALE)



TYPICAL TRENCH SECTION ONE PIPE (NOT TO SCALE)

**AZIMUTH LAND DESIGN, LLC**  
Professional Engineers & Erosion Control Specialists  
118 Turnpike Road, Suite 200, Southborough, MA 01772  
Telephone (508)-485-0137 jamest@azimuthlanddesign.co

CLT. NO.	JOB NO.
504	197-504
DATE:	DWG NO.
MAY 5, 2022	424MAINSTREETCURRENT
REVISIONS	
DATE:	DESCRIPTION
7/25/22	TOWN REVIEW
8/8/22	NO CHANGES TO THIS SHEET
8/11/22	NO CHANGES TO THIS SHEET

SCALE: AS INDICATED

**SITE PLAN OF LAND AT 424 MAIN STREET IN LEICESTER, MASS.**

APPLICANT:  
**AREFA, LLC**  
41 MIDDLE LANE  
WORCESTER, MASSACHUSETTS 01604

DETAIL SHEET D1



**POLLUTION PREVENTION PLAN  
FOR  
SITE AT 424 MAIN STREET, LEICESTER, MA**

**PROJECT DESCRIPTION**

This is a proposal to construct additional parking and to improve access to the rear, rectangular building on this site which will be used as a growth and processing facility by Arefa, inc.

Construction will take place in a single phase and is expected to last from the summer 2022 through the spring of 2023. Total site alteration will be approximately 27,000 square feet, most of which was previously altered.

**Construction Process**  
Before construction begins, erosion control barriers consisting of silt fencing attached to posts, or staked straw wattles will be placed at the limit of work as shown on the Grading Plans, Sheet G1 and G2.

The first step of the construction process will be the cutting of any trees in the area of the proposed driveway, hvac pad and drainage system. After this has been accomplished in the demarcated areas, clearing and grubbing will take place and loam will be stockpiled. The second step of construction will be the installation of gutters, downspouts and the new drainage system as well as grading to subgrade the new parking area. Then, gravel base will be installed and a base course of pavement will be laid.

The time of construction requiring the most attention and care occurs between the stripping of natural overburden and the stabilization of construction areas. Cut and fill areas create additional risk by increasing the possibility of stormwater runoff causing erosion.

The contractor will, to the extent possible, leave natural cover untouched at the edges of the property. The contractor will limit to the shortest time possible the time that areas are exposed. The planting of lawn and landscaping will be completed as early as weather and building construction allow. During the times between clearing and landscaping, soils will be stabilized with a combination of hay/straw mulch, wood chips, stump grindings, temporary grass seeding and other measures as necessary to prevent any significant erosion of soils.

In conjunction with the site grading process, a number of sedimentation control procedures will be followed. The object of the procedures is to prevent the erosion of soils and the transport of sediments to the wetland resource area and off the site.

**Stabilization**  
Temporary and permanent stabilization of disturbed surfaces is the most reliable method of preventing the erosion and transport of site soils. Toward that end, the areas that are disturbed will be provided temporary stabilization within two weeks after the last disturbance when:

- Work is not complete in that area,
- Work will remain incomplete for a period of three weeks or more, and
- The planting season has not been reached in areas which will be re-vegetated.

**Permanent stabilization** will take place when:

- Work is complete in that area and
- The planting season has been reached and areas can be revegetated.

**Best Management Practices Employed**

To guard against the transport of soils offsite several Best Management Practices (BMP's) may be employed. Erosion control barriers, sediment sumps, temporary settling basins, straw bale check dikes, swales, a site entrance mat, flocculants in both crystal and block forms, and organic media for capture of silt below flocculants may be used on this site as appropriate. All of these measures are temporary. The site's permanent protection against erosion and the deposition of sediment off site at resource areas is the permanent stabilization of formerly exposed surfaces with pavement, lawn and other landscaping.

**Soils**  
According to the MassGIS Oliver web site the soils underlying this site are Paxton series soils which we are categorizing as hydrologic soil group C over the entire site. This was partially corroborated by our deep observation hole at which loamy sand texture soils were observed.

**Resource Areas**  
There are no bordering vegetated wetlands on or adjacent to this site.

**SITE PLAN DEVELOPMENT**

As part of the Site Plans submitted to the Town of Leicester, Azimuth Land Design, LLC has prepared this erosion and sediment control plan calling for permanent and temporary erosion control measures.

The site has no existing drainage system. There will be an overflow connection from the infiltration system to an existing catch basin in Main Street.

**PHASING**

Construction of the project will take place in one phase. Total site alteration will be approximately 27,000 square feet.

**POLLUTION PREVENTION SITE PLAN**

The Site Plans prepared by Azimuth Land Design, LLC contain a Grading Plan. Various Best Management Practices (BMP's) are described herein and/or shown on the Grading Plan or the Detail Sheets and will be used to prevent or to mitigate erosion and pollution.

**INSPECTION AND MAINTENANCE OF EROSION CONTROLS**

1. At all times, siltation fabric fencing or straw wattles and stakes sufficient to construct an erosion control barrier a minimum 25 feet long will be stockpiled on the site in order to repair established barriers which may have been damaged or breached.
2. The Developer will designate as Inspector a person or entity other than the site supervisor. The Inspector must be accessible seven days a week and be responsible for inspecting and coordinating the maintenance and repair of all erosion control systems on the site.
3. An inspection of all erosion control measures shall be conducted by the Inspector at least once every two weeks with two days notice to the Town until completion of construction. The Contractor shall inspect all erosion control systems daily and shall notify the Inspector of any failures. In case of any noted breach or failure, the Contractor shall immediately make appropriate repairs.
4. The Inspector shall inspect all erosion control systems on the site before, during and after any storm event reaching one of the following thresholds:
  - a. Any storm in which rain is predicted to last for 12 consecutive hours or more.
  - b. Any storm for which a flash flood watch or warning is issued.
  - c. Any single storm predicted to have a cumulative rainfall greater than 1/2 inch.
  - d. Any storm event not meeting the previous three thresholds but which would mark the third consecutive day of measurable rainfall.
5. The Inspector shall inspect erosion control measures at times of significant increase in runoff due to rapid thawing when the risk of failure of those measures is significant.
6. In such instances as remedial action is necessary, the Inspector shall cause to be repaired within seven days, any and all significant deficiencies in erosion control measures.
7. The Town of Leicester shall be notified of any significant failure of erosion control measures and shall be notified of any release of pollutants.

**EROSION CONTROL DEVICES OR PROCESSES**

**1. Erosion Control Barrier**  
The erosion control barrier will consist of an approved siltation fabric fencing installed on posts according to the manufacturer's instructions and backed by staked straw wattles. The barriers will be placed in a manner that prevents the passage of soil materials under, around or over it. Sediment will be removed from against the barrier when the accumulated sediment has reached one third of the original installed height of the barrier.

**2. Straw Bale Diversion Dike**  
Straw bales will be placed in other locations on the site in order to further prevent the flow of sediment from the site or reduce the velocity of runoff crossing open land or running off stockpile or fill areas. Straw bale diversion dikes will also be placed within developing rills to reduce surface runoff velocities and to shift the path of the water flow. The locations where straw bale diversion dikes are installed will be determined in the field at the Inspector's discretion.

**3. Slope Stabilization**  
Slopes or surfaces that are created due to excavation or filling along the edge of the parking or loading areas will be stabilized with one or more of the following:  
- Hay or straw mulch with tackifier  
- Soft wood and hard wood chips  
- In areas that will be steeper than 2:1 after construction, the slope will be stabilized by the placement of heavy riprap or by the installation of erosion control matting specifically rated by the manufacturer for use on a 1:1 slope. The riprap slope to be placed will be formed by placing heavy stone on a one foot thick layer of gravel. Where water flow from runoff or groundwater breakout is a significant concern, an approved filter fabric will be placed over the gravel layer.

Permanent stabilization of slopes and surfaces will employ one or more of the following:  
- Loam and grass  
- Sod  
- Riprap  
- Erosion control blankets such as Tensar North American Green SC150BN or approved equal and vegetation  
- A combination of grasses, riprap and/or plants and shrubbery

**4. Diversion Swale**  
Runoff diversion swales may be provided in order to intercept sheet and concentrated flows above areas of cut, above abutting properties and above resource areas. The swales will direct runoff to sediment sumps or temporary settling basins. The swales will be approximately 5 feet wide and one foot deep. Hay/straw bale diversion dikes may be installed on the downhill side of the swales to assist in containing the water flow.

**5. Sediment Sumps**  
Sediment sumps are excavated depressions of 10 foot diameter and 2 foot depth. The sumps will collect runoff from unfinished drives and slopes and will allow sediment to settle out before flow continues to a detention area or siltation control barrier. Sediment sumps will be cleaned whenever the accumulated sediment has reached one half of the original depth of the sump.

**6. Temporary Settling Basins**  
Temporary settling basins (TSB's) are larger excavations made at locations that will receive significant stormwater runoff flow. They are used to capture and detain stormwater in the construction phase to settle out some eroded material and to lessen the rate of flow of stormwater from construction phase work areas. Temporary settling basins are larger than sediment sumps and shall have silt fence or straw bale dikes at their entrance and exit to control flow. They shall be sized according to the DEP Stormwater management standards which requires that they have sufficient capacity to hold 1 inch of runoff from the watershed contributing flow to them. For example, a TSB receiving flow from 1 acre of land should have a volume capacity of at least 3,630 square feet. TSB's should have flocculant blocks and jute mesh matting at their outlet. TSB's should be cleaned out whenever the accumulated sediment has reached more than 6 inches deep.

**7. Flocculants**  
If the capture of flows in sediment sumps and temporary settling basins does not sufficiently reduce the turbidity of runoff before it enters the drainage system and is discharged toward the wetland resource area, flocculant blocks shall be installed at the outlet of any sediment sump, TSB or swale discharge flow to the site's drainage system. Immediately downstream of the flocculant blocks, a suitable organic media such as jute mesh matting shall be installed over stone for runoff that has contacted the flocculant blocks to flow. This will allow capture of silts.

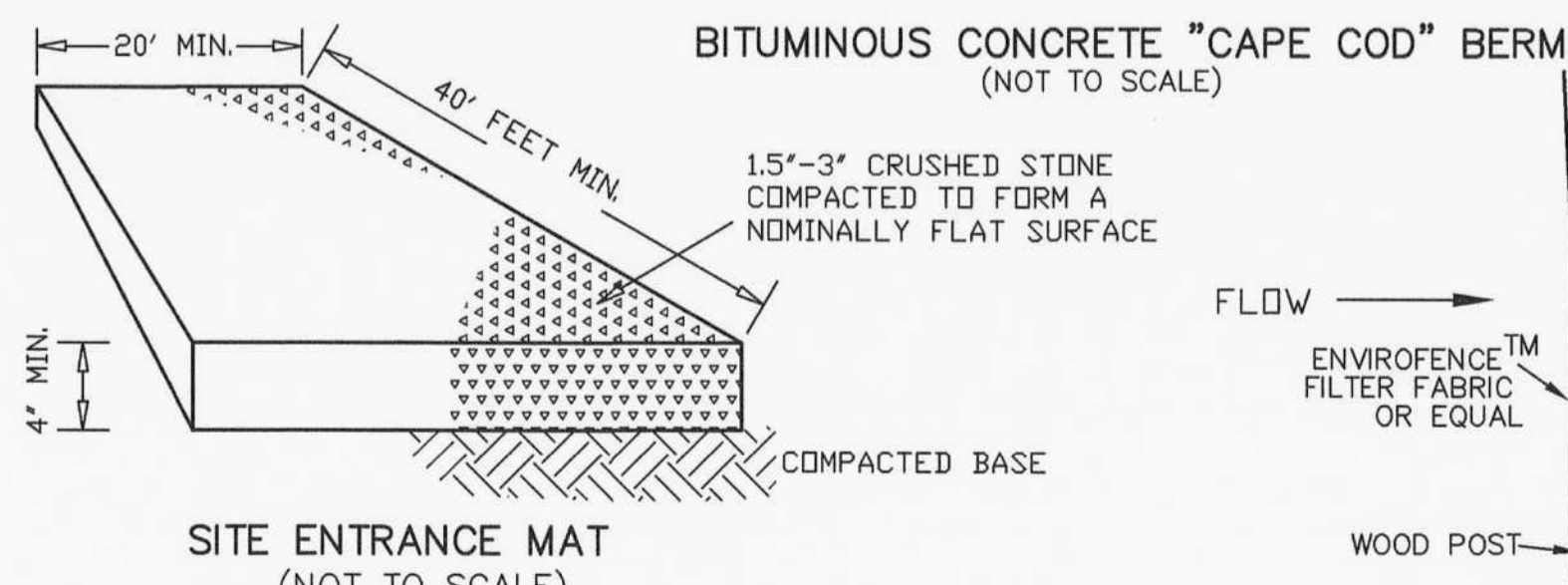
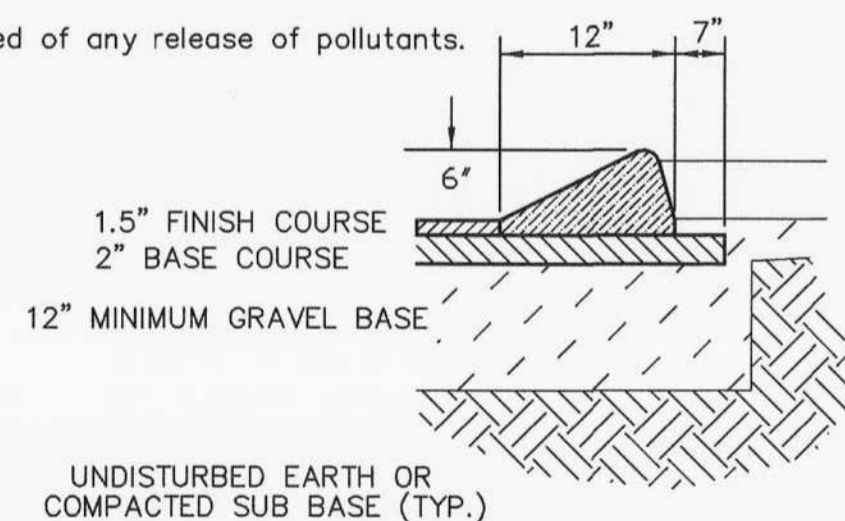
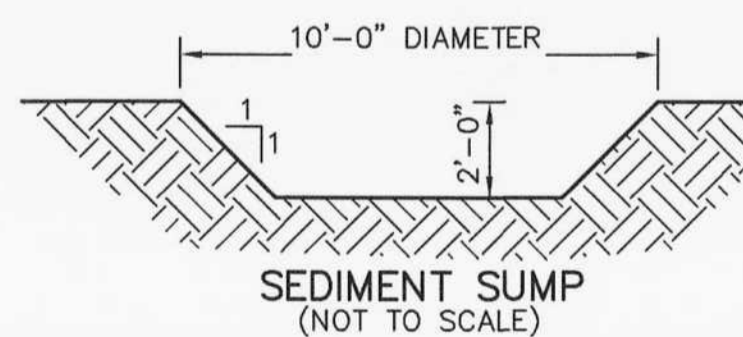
In addition, crystal flocculants may be used to reduce turbidity of captured runoff in sediment sumps and temporary settling basins.

**SEQUENCE OF INSTALLATION AND CONSTRUCTION**

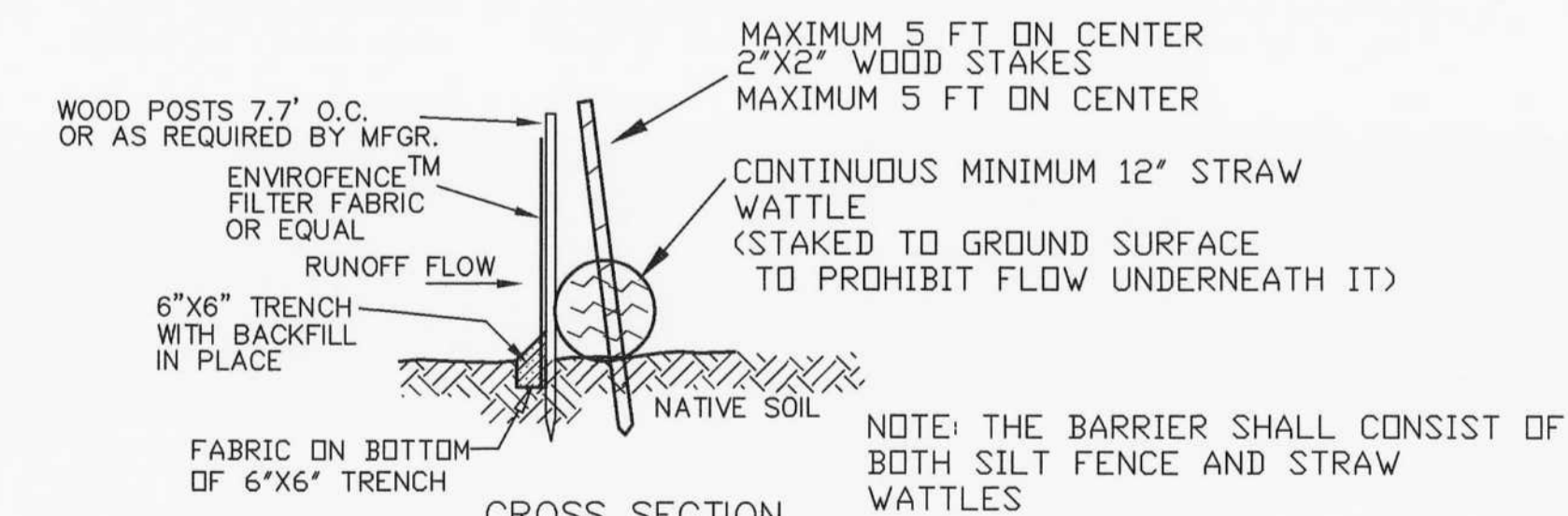
The following is a sequence for the construction of the project. The actual schedule may vary somewhat from that stated if site or weather conditions require.

An example of a logical change to the schedule would be deviating from the sequence below to allow the laying of berms prior to a freeze in order to better control the site drainage.

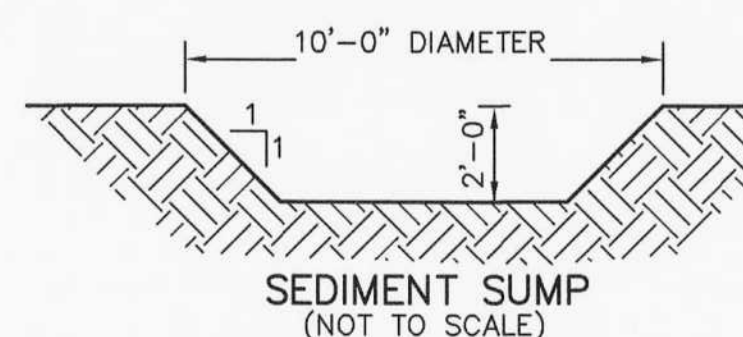
1. The Developer will hold a preconstruction meeting with representatives of the Town of Leicester in order to review permits, procedures and construction methods.
2. The Developer will hold a preconstruction meeting with the Engineer, Contractor's employees and the Inspector in order to review permits, procedures and construction methods.
3. Install erosion control barriers consisting of silt fence backed by staked 12" straw wattles at the limit of work as shown on the Grading Plan and contact the Town of Leicester to inspect that installation with 3 days advance notice. No work may proceed before that inspection takes place.
4. Cut trees as necessary for the proposed limit of work including the new paved driveway and parking area, the new gravel path to the abutter to the north, the hvac pad on the east side of the rectangular building and the drainage system. Establish the construction entrance to the lot off of Chapel Street.
5. Install the site entrance mat and remove trees. Create stockpiles of wood chips and stump grindings for temporary erosion control of exposed areas.
6. Begin installation of the proposed infiltration system, including installation of gutters and downspouts on the north end of the polygon shaped building and west side of the rectangular building. Commence earthwork to bring grades to the appropriate elevations for the new parking and driveway areas.
7. Begin work remodeling the interior of the rectangular building and installing the hvac pad and machinery on its east side. Begin installation of retaining walls and stabilize slopes above the new parking and access paved area. Install the stone and galleys of the infiltration structure, install the gravel base for the new parking and access aisle. Install the new sewer and water utility connections to the rectangular building.
8. Complete retaining wall and slope stabilization and then lay the binder course of pavement in the new parking area and continue work inside the rectangular building.
9. Complete the infiltration structure and pave a base course of pavement over it while finishing work inside the rectangular building.
10. Make sure all exposed surfaces have permanent stabilization and lay a finish course of pavement.
11. Remove accumulated sediment and temporary erosion control measures after all slopes have been permanently stabilized and the risk of erosion has passed.
12. Prepare and submit an as-built survey of the work to the Town of Leicester.



TO BE INSTALLED WHERE CONSTRUCTION VEHICLES ENTER THE SITE. CHAPEL STREET WILL BE SWEEP DAILY WHEN HAULING IS IN PROGRESS.



**NOTE:**  
THERE MAY BE EXISTING DRAINAGE PIPES FROM THE NORTH SIDE OF THE RECTANGULAR BUILDING TO A DRAINAGE STRUCTURE IN CHAPEL STREET THAT MAY HAVE TO BE FIXED OR REPLACED.



**AZIMUTH LAND DESIGN, LLC**  
Professional Engineers & Erosion Control Specialists  
118 Turnpike Road, Suite 200, Southborough, MA 01772  
Telephone (508)-485-0137 jamest@azimuthlanddesign.co

CLT. NO. <b>504</b>	JOB NO. <b>197-504</b>
------------------------	---------------------------

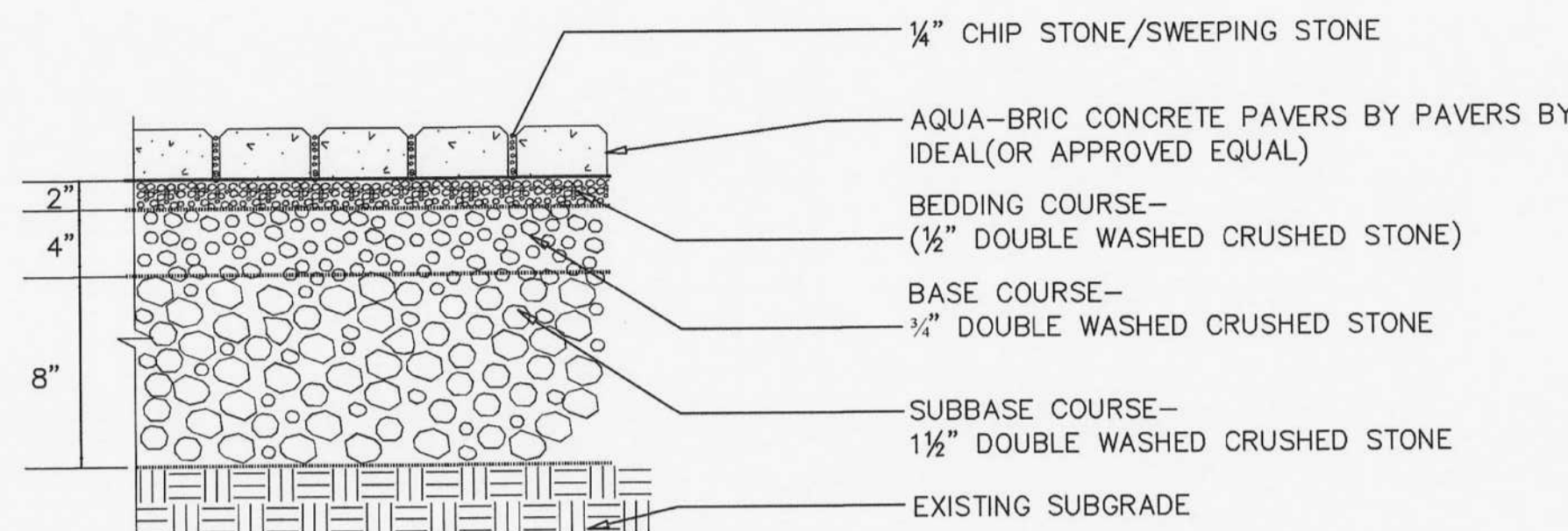
DATE: <b>MAY 5, 2022</b>	DWG NO. <b>424MAINSTREETCURRENT</b>
-----------------------------	--

REVISIONS	
DATE:	DESCRIPTION
7/25/22	TOWN REVIEW
8/8/22	NO CHANGES TO THIS SHEET
8/11/22	NO CHANGES TO THIS SHEET

SCALE: AS INDICATED

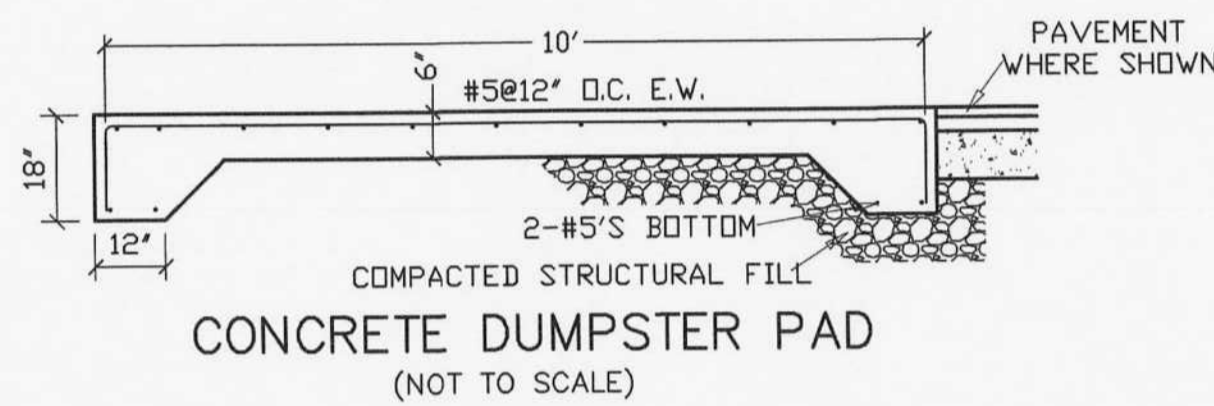
**SITE PLAN OF LAND  
AT 424 MAIN STREET  
IN  
LEICESTER, MASS.  
APPLICANT:  
AREFA, LLC  
41 MIDDLEY LANE  
WORCESTER, MASSACHUSETTS 01604**



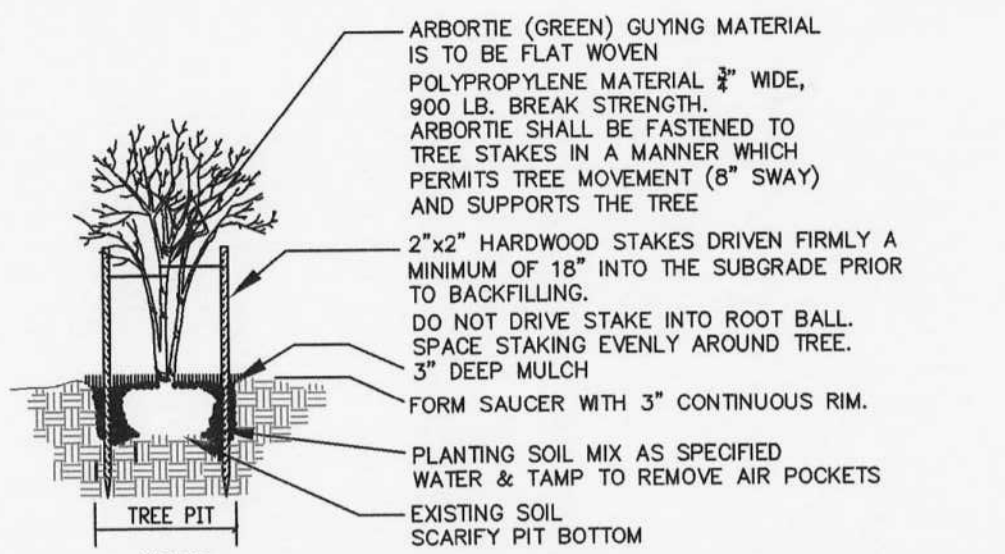


**NOTES**  
 1. THIS INSTALLATION IS TO BE USED ON THE NEW 16'X65' PAD ON THE EAST SIDE OF THE RECTANGULAR BUILDING ON WHICH AIR CONDITIONING UNITS WILL BE INSTALLED.  
 2. JOINT BETWEEN THE PAVERS SHALL BE BETWEEN 1/16"-3/16" JOINT

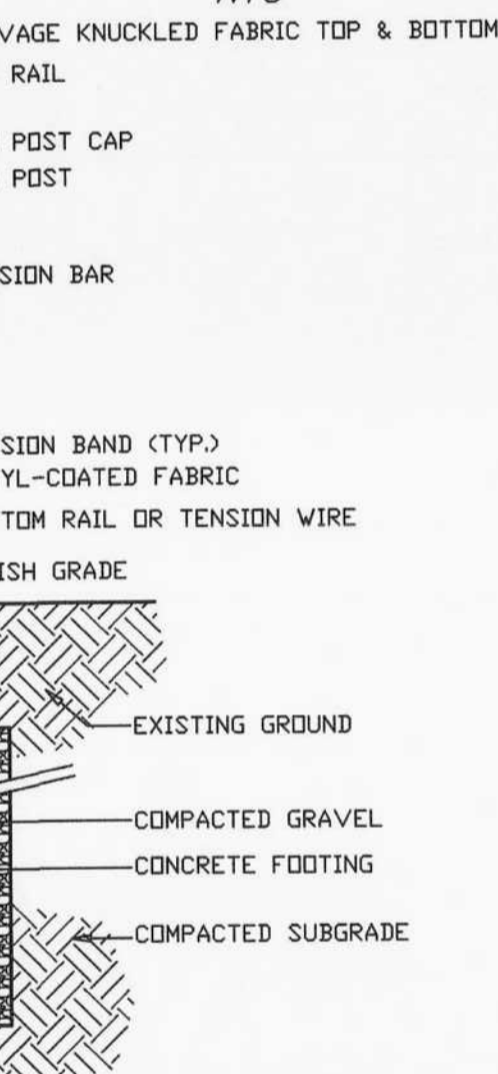
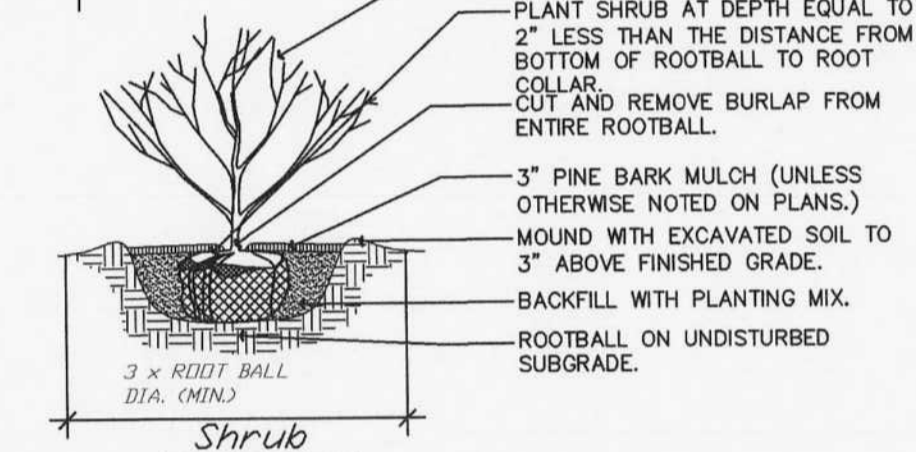
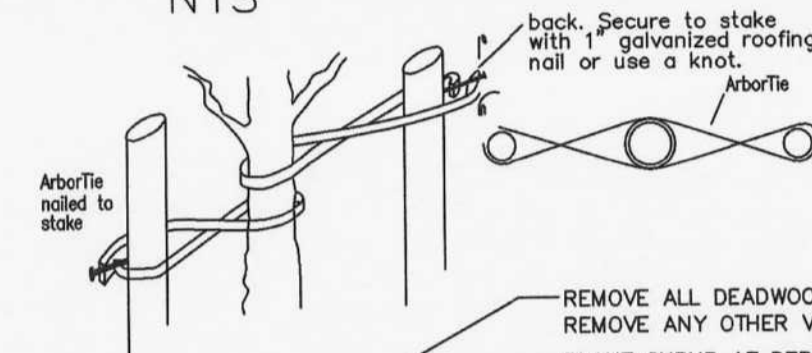
**POROUS PAVER DETAIL**  
 NOT TO SCALE



**CONCRETE DUMPSTER PAD**  
 (NOT TO SCALE)



**Deciduous Tree Staking Standard**  
 NTS



**CHAINLINK FENCE NOTES:**

- 1.) END, CORNER, AND GATE POSTS SHALL BE 2.875" (~3") O.D. TYPE 'B' STEEL PIPE (ALLIED SS40 OR WHEATLAND WT-40).
- 2.) LINE POSTS SHALL BE 2.375" (~2 1/2") O.D. TYPE 'B' STEEL PIPE (ALLIED SS40 OR WHEATLAND WT-40) ON ALL FENCES.
- 3.) TOP RAILS REQUIRED ON 8' HIGH FENCES SHALL BE 1.660" (~1 5/8") O.D. TYPE 'B' STEEL PIPE (ALLIED SS40 OR WHEATLAND WT-40).
- 4.) BOTTOM RAILS REQUIRED ON 8' HIGH FENCES SHALL BE 1.660" (~1 5/8") O.D. TYPE 'B' STEEL PIPE (ALLIED SS40 OR WHEATLAND WT-40).
- 5.) CORNER BRACING & TRUSSING REQUIRED ON 8' HIGH FENCES.
- 6.) ALL FENCE FABRIC SHALL BE 2" MESH, ZINC COATED (GALVANIZED) STEEL, 9 GAUGE CORE (8 GAUGE FINISH), WITH THERMALLY FUSED & BONDED VINYL (PVC) COATING. FABRIC EDGES SHALL BE SELVAGE KNUCKLED.
- 7.) ALL FENCE POSTS, RAILS, CAPS, HARDWARE, AND MESH FABRIC SHALL BE ZINC COATED (GALVANIZED) STEEL WITH THERMALLY FUSED & BONDED VINYL (PVC) COATING.
- 8.) FENCE POST SPACING SHALL BE 10' O.C. (MAXIMUM).
- 9.) 8' FENCE FABRIC SHALL BE INTERLACED WITH VINYL SLATS. SLATS SHALL BE TAMPER RESISTANT DESIGN. CONTRACTOR SHALL SUBMIT SLAT DETAILS TO ENGINEER FOR APPROVAL.
- 10.) INSTALL CONCRETE FOOTINGS AT ENDS, CORNERS, AND GATE POSTS ONLY.
- 11.) REPAIR THE GROUND SURFACE TO ORIGINAL CONDITION AS NECESSARY.

**DUMPSTER ENCLOSURE - 8' VINYL-COATED CHAINLINK FENCE WITH SLATS**  
 (NOT TO SCALE)

CONTRACTOR SHALL SUBMIT DETAILS TO ENGINEER FOR APPROVAL. VINYL COATINGS & SLATS SHALL BE DARK GREEN COLOR.

**ZONING COMPLIANCE TABLE**

THE SITE IS LOCATED IN THE BUSINESS ZONING DISTRICT. THE LARGER EXISTING STRUCTURE IS AN EXISTING NON-CONFORMING STRUCTURE. THE FOLLOWING TABLE COMPARES THE ZONING REQUIREMENTS AND DIMENSIONS PROPOSED AT THIS SITE:

DIMENSION	REQUIREMENT	PROPOSED
MIN. LOT AREA	15,000	155,020 S.F.
MIN. FRONTAGE	100'	192.94' (ON MAIN STREET) 947.84' (ON CHAPEL STREET)
MIN. SETBACK FROM STREET	25'	0.3' (FROM MAIN STREET) - EXISTING CONDITION 0.03' (FROM CHAPEL STREET) - EXISTING CONDITION
MIN. SIDE YARD	10'	2' (AT FRONT RT CORNER ON MAIN ST) - EXISTING CONDITION
MIN. REAR YARD	25'	N/A CORNER LOT
MAX. BUILDING HEIGHT	35'	30'
MAX. # OF STORIES	2.5	2.5
MAX. BUILDING COVERAGE	30%	31.9% - EXISTING CONDITION

**PARKING CALCULATION**

THE LEICESTER PLANNING BOARD PARKING REGULATIONS TABLE OF PARKING SPACE REQUIREMENTS CALLS FOR OFF STREET PARKING TO BE PROVIDED AS FOLLOWS FOR THE PROPOSED USES:

WAREHOUSE USES REQUIRE 1 PARKING SPACE PER EACH 2,500 S.F. OF GROSS FLOOR AREA.

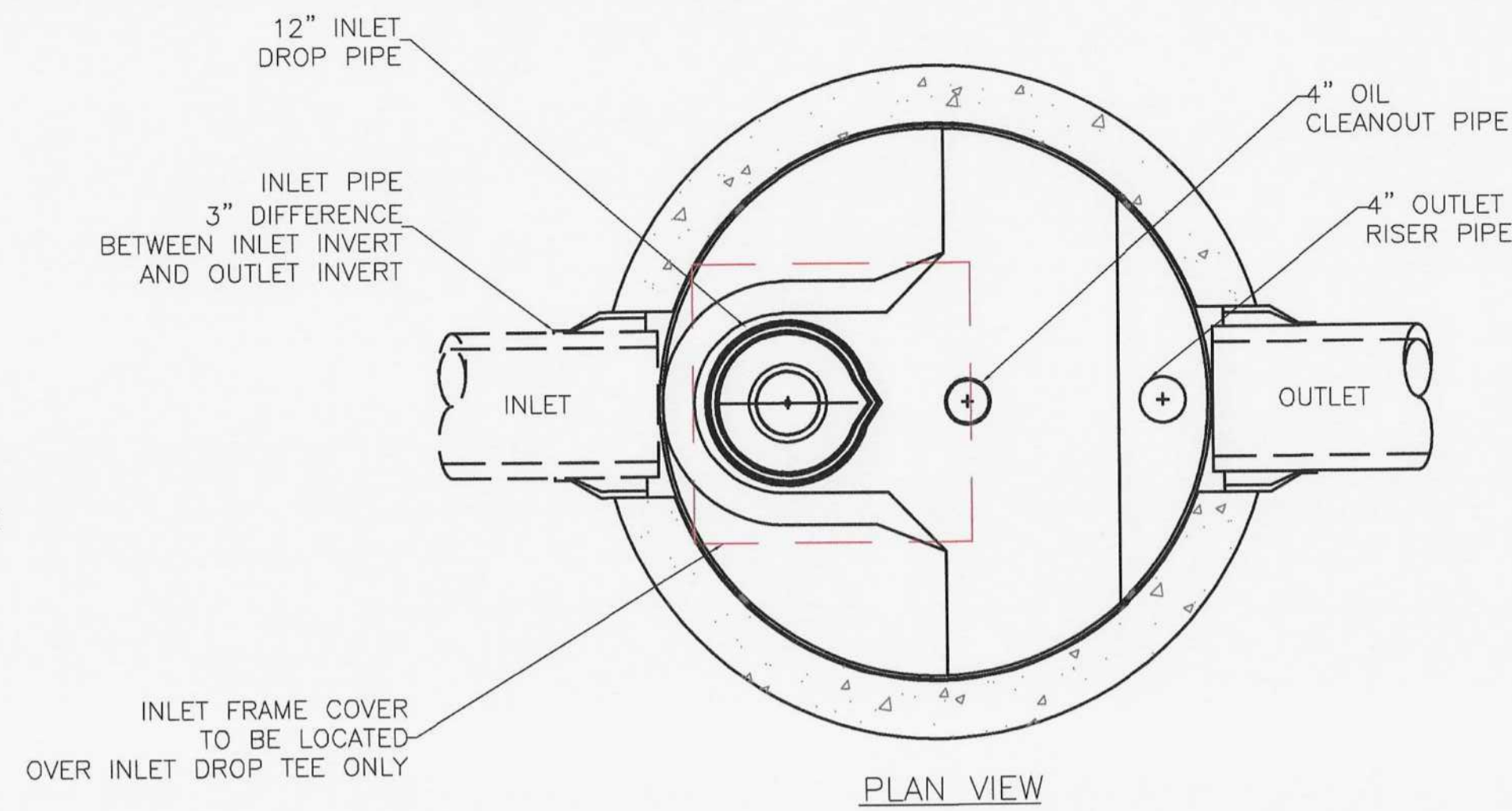
ALL OTHER PERMITTED USES REQUIRE ADEQUATE PARKING SPACES TO ACCOMMODATE UNDER NORMAL CONDITIONS THE CARS OF OCCUPANTS, EMPLOYEES, MEMBERS, CUSTOMERS, CLIENTS AND VISITORS TO THE PREMISES.

THE POLYGON SHAPED BUILDING CLOSER TO MAIN STREET IS PRESUMED TO BE A WAREHOUSE USE. AT 34,369 SQ.FT. GROSS FLOOR AREA, THIS BUILDING REQUIRES 13.74 PARKING SPACES.

AT FULL OCCUPANCY OF THE RECTANGULAR BUILDING, THE APPLICANT EXPECTS UP TO 20 EMPLOYEES. THIS WILL BE A PROCESSING FACILITY AND WILL NOT HAVE CUSTOMERS BUT MAY HAVE VISITORS SUCH THAT A REASONABLE NECESSARY CAPACITY FOR THE APPLICANT'S USE WOULD BE 22 PARKING SPACES.

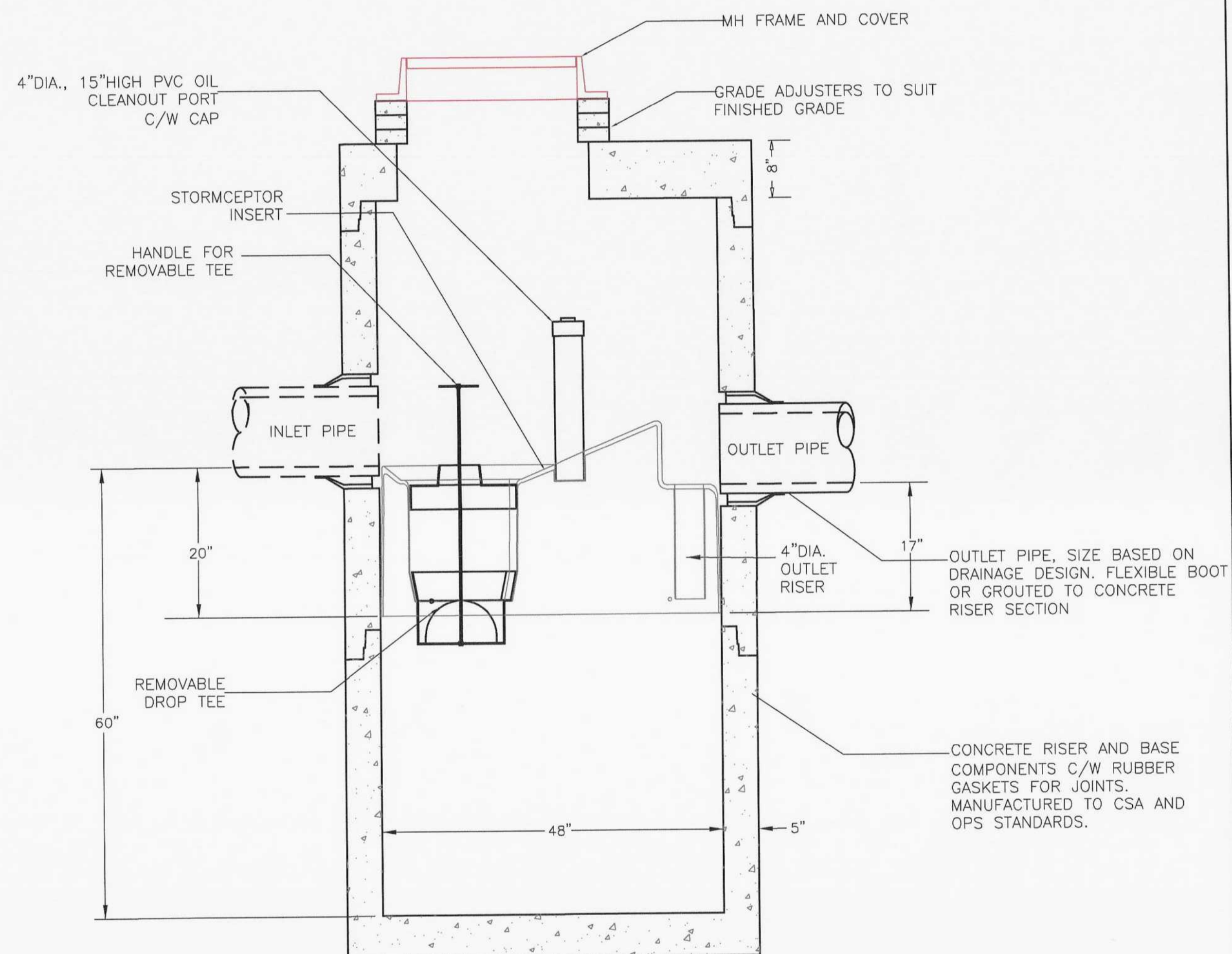
SO, TOTAL REQUIRED PARKING IS THE PROVISION OF 36 SPACES.

42 PARKING SPACES ARE PROPOSED INCLUDING 2 HANDICAPPED ACCESSIBLE SPACES. 22 OF THESE SPACES ARE IN FRONT OF THE MAIN STREET SIDE OF THE BUILDING AND 20 ARE TO THE REAR.



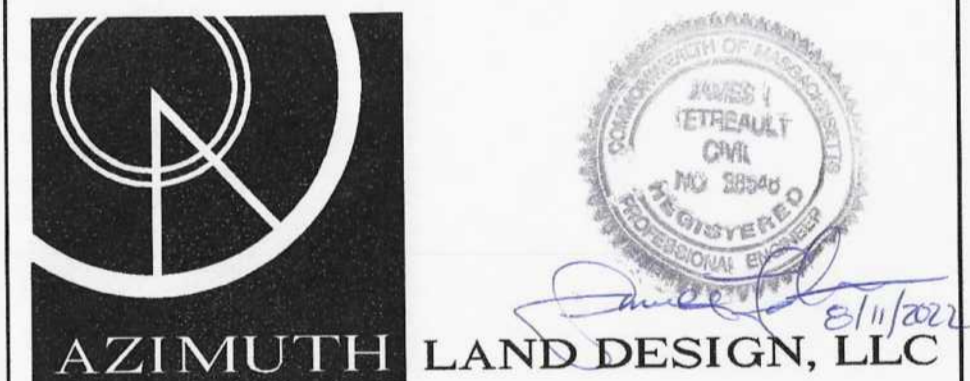
INLET FRAME COVER TO BE LOCATED OVER INLET DROP TEE ONLY

**PLAN VIEW**



**SECTION VIEW**  
**STORMCEPTOR MODEL 450i**

**LANDSCAPING NOTES**  
 1. NOTIFY DIG-SAFE AT 1-888-DIG-SAFE AND LOCAL AUTHORITIES PRIOR TO ANY TYPE OF SITE PREPARATION OR CONSTRUCTION.  
 2. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL AND MULCH IN SUFFICIENT QUANTITIES TO COMPLETE PLANTING AS SHOWN ON THE DRAWINGS.  
 3. DRAWING QUANTITIES ON THE PLAN VIEW TAKE PRECEDENCE OVER PLANT LIST QUANTITIES WITHIN THE PLANTING SCHEDULE.  
 4. ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES SET FORTH BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.  
 5. ALL TREES AND SHRUBS SHALL BE PLANTED WITH THE "BEST FACE" SHOWING. ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.  
 6. ALL CONTAINER GROWN STOCK SHALL BE HEALTHY, VIGOROUS, WELL ROOTED AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE GROWING. THEY SHALL HAVE TOPS OF GOOD QUALITY, NO APPARENT INJURY AND BE IN A HEALTHY GROWING CONDITION. A CONTAINER GROWN PLANT SHALL HAVE A WELL ESTABLISHED ROOT SYSTEM REACHING THE SIDES OF THE CONTAINER TO MAINTAIN A FIRM BALL.  
 7. THE QUALITY OF ALL TREES & SHRUBS IS TO BE NORMAL FOR THE SPECIES. ALL PLANTS ARE TO HAVE DEVELOPED ROOT SYSTEMS, TO BE FREE OF INSECTS AND DISEASES AS WELL AS MECHANICAL INJURIES, AND IN ALL RESPECTS BE SUITABLE FOR PLANTINGS.  
 8. ALL CONIFERS SHALL HAVE DORMANT BUDS AND SECONDARY NEEDLES.  
 9. WHERE SPECIFIED, CALIPER SIZE IS TO BE THE OVERRIDING FACTOR IN TREE SELECTION. CALIPER SIZE SHALL BE MEASURED 12" ABOVE THE ROOT BALL.  
 10. THE CONTRACTOR SHALL PROVIDE A ONE YEAR GUARANTEE ON ALL MATERIAL. THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS AND LAWNS UNTIL FINAL PROJECT ACCEPTANCE. THE GUARANTEE PERIOD WILL BEGIN AT FINAL ACCEPTANCE. THE WARRANTY ON ALL PLANT MATERIAL PLANTED BETWEEN NOVEMBER 30TH AND MARCH 31ST WILL START AT THE BEGINNING OF THE NEXT GROWING SEASON.  
 11. AZIMUTH LAND DESIGN, LLC SHALL HAVE FINAL APPROVAL OF PLANT MATERIAL PRIOR TO ITS INSTALLATION. THOMPSON-LISTON ASSOCIATES, INC. HAS THE RIGHT TO REJECT ANY PLANT THAT DOES NOT MEET THE SPECIFICATIONS LISTED IN THE PLANT TABLE.  
 12. PLANT SUBSTITUTIONS ARE NOT ALLOWED UNLESS APPROVED BY AZIMUTH LAND DESIGN, LLC.  
 13. ALL DISTURBED AREAS NOT SHOWN OTHERWISE SHALL BE LOADED AND SEEDED AND BLENDED INTO EXISTING GRADE AND CONDITIONS.  
 14. LAWN AND SLOPE SEEDING AREAS SHALL NOT BE DEEMED ACCEPTABLE UNTIL IN EXCESS OF 90% OF EACH AREA, INDEPENDENTLY IS GERMINATED, GROWING & DISPLAYING HEALTHY UNIFORM GROWTH AND HAS BEEN CUT TWICE. THE SITE CONTRACTOR IS RESPONSIBLE FOR APPLYING AT A MINIMUM OF 1" OF WATER PER WEEK AND FOR REMOVING ANY WEEDS (CRABGRASS) WITHIN THE SEEDING AREA UNTIL THE SEEDING AREAS HAVE BEEN ACCEPTED.



Professional Engineers & Erosion Control Specialists  
 118 Turnpike Road, Suite 200, Southborough, MA 01772  
 Telephone (508)-485-0137 jsmest@azimuthlanddesign.co

CLT. NO.	504	JOB NO.	197-504
DATE:	MAY 5, 2022	DWG. NO.	424MAINSTREETCURRENT
REVISIONS			
DATE:		DESCRIPTION	
7/25/22		TOWN REVIEW	
8/8/22		NO CHANGES TO THIS SHEET	
8/11/22		NO CHANGES TO THIS SHEET	

SCALE: AS INDICATED

**SITE PLAN OF LAND**  
 AT 424 MAIN STREET  
 IN  
 LEICESTER, MASS.  
 APPLICANT:  
**AREFA, LLC**  
 41 MIDGLEY LANE  
 WORCESTER, MASSACHUSETTS 01604