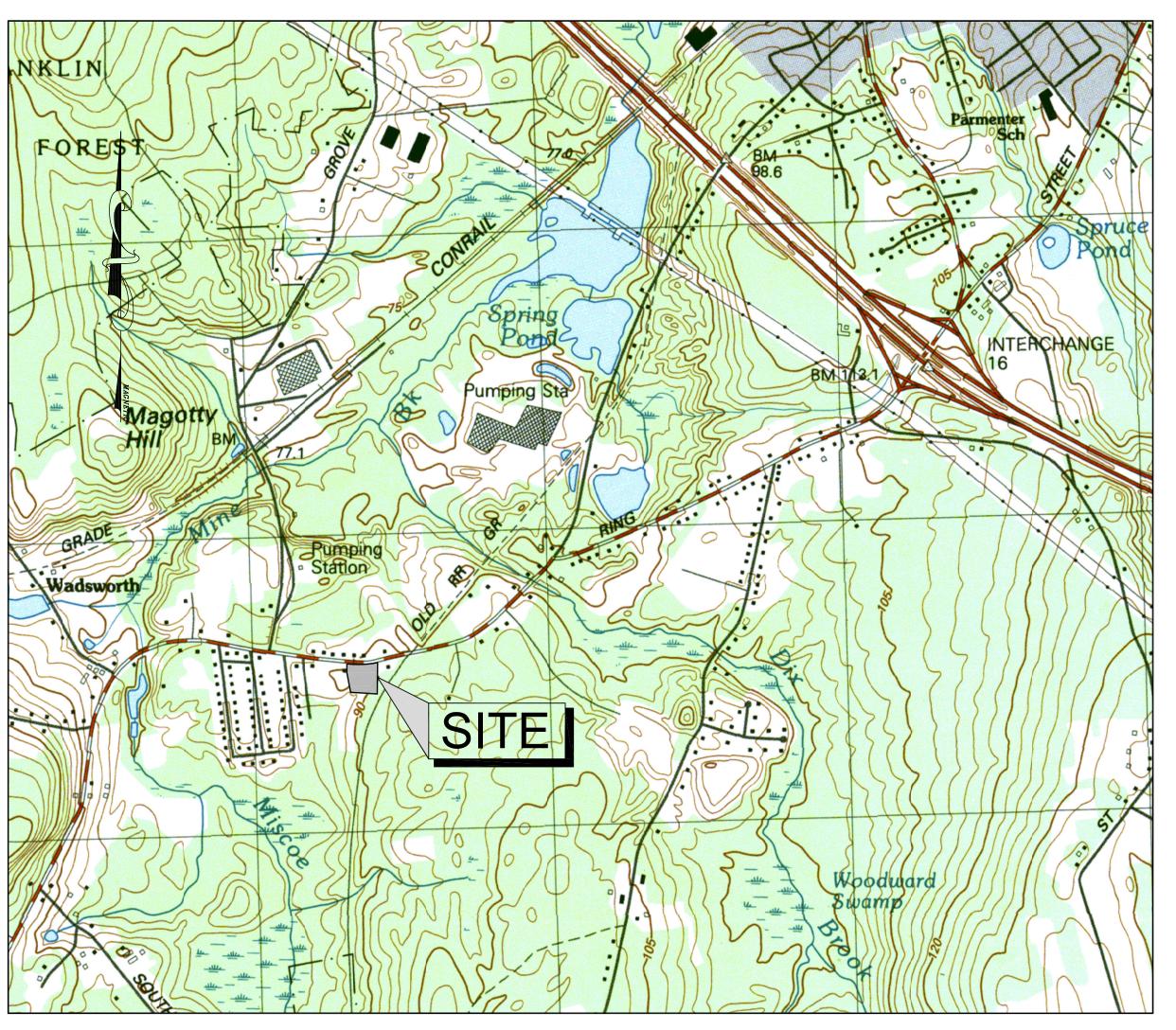
# SITE PLAN

## AMEGO INC.

## 704 WASHINGTON STREET

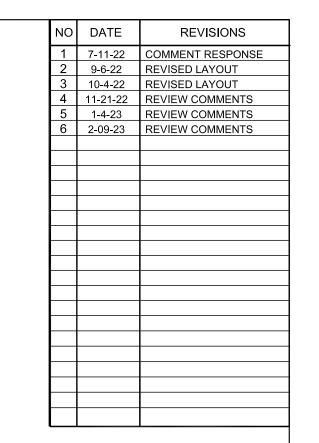
FRANKLIN, MASSACHUSETTS

DATE: JULY 19, 2022 REVISED: FEBRUARY 9, 2023



**USGS MAP** 

SCALE: 1"= 1,000'±



#### APPLICANT:

AMEGO INC. 33 PERRY STREET ATTLEBORO, MA 02703

#### CIVIL ENGINEER:



PROPERTY ADDRESS: 704 WASHINGTON STREET FRANKLIN, MASSACHUSETTS

#### ASSESSORS MAP/PARCEL: MAP 322, PARCEL 030

ZONING DISTRICT:

RURAL RESIDENTIAL

### DRAWING LIST:

C-5.2

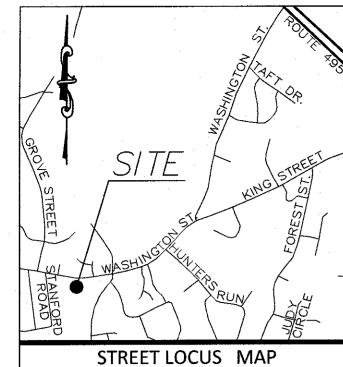
C-0.0	COVER
C-1.0	<b>EROSION CONROL PLAN</b>
C-2.0	LAYOUT & MATERIALS
C-3.0	<b>GRADING &amp; DRAINAGE</b>
C-4.0	UTILITIES
C-5.0	TYPICAL DETAILS
C-5.1	TYPICAL DETAILS

LIGHTING ES.1 ES.2 PHOTOMETRIC LIGHTING

TYPICAL DETAILS

L 1.0 PLANTING PLAN

A 3.1 **EXTERIOR ELEVATIONS** A 3.2 **EXTERIOR ELEVATIONS** 



#### **ZONING DISTRICT** ZONED: RURAL RESIDENTIAL

MINIMUM BUILDING SETBACKS

#### SIDE=40 FEET REAR=40 FEET

FRONT=40 FEET

DEED REFERENCES LAWRENCE P. BENEDETTO

**DEED BOOK 39747 PAGE 107** 

#### PLAN REFERENCES

PLAN BOOK 105 PAGE 679 PLAN BOOK 342 PAGE 1309



#### EROSION CONTROL PLAN NOTES:

SILITATION CONTROL USING EROSION CONTROL FENCE WITH STRAW WATTLE. OR APPROVED EQUAL

SILTSOXX IS TO BE VISUALLY INSPECTED AFTER EVERY RAIN FALL AND REPAIRS MADE AS REQUIRED TO THE SILTATION CONTROL FENCE AND STRAW WATTLE AFTER EACH RAIN FALL. CLEANOUT OF ACCUMULATED SEDIMENT BEHIND THE WATTLE IS NECESSARY IF 1/2 OF THE ORIGINAL HEIGHT OF THE WATTLE APPEARS TO HAVE BEEN INUNDATED WITH SEDIMENT.

#### PRESERVE TOPSOIL

SITE OWNERS AND OPERATORS MUST PRESERVE EXISTING TOPSOIL ON THE CONSTRUCTION SITE TO THE MAXIMUM EXTENT FEASIBLE AND AS NECESSARY TO SUPPORT HEALTHY VEGETATION, PROMOTE SOIL STABILIZATION, AND INCREASE STORMWATER INFILTRATION RATES IN THE POST-CONSTRUCTION PHASE OF THE PROJECT.

#### STABILIZATION OF SOILS

UPON COMPLETION AND ACCEPTANCE OF SITE PREPARATION AND INITIAL INSTALLATION OF EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES, THE OPERATOR SHALL INITIATE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION PRACTICES DURING ALL PHASES OF CONSTRUCTION ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS OF REMOVAL.

ONLY AREAS THAT CAN BE REASONABLY EXPECTED TO HAVE ACTIVE CONSTRUCTION WORK BEING PERFORMED WITHIN 14 DAYS OF DISTURBANCE WILL BE CLEARED/GRUBBED AT ANY ONE TIME. IT IS NOT ACCEPTABLE TO GRUB AND STRIP TOP SOIL THE ENTIRE CONSTRUCTION SITE IF PORTIONS WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME. PROPER PHASING OF CLEARING AND GRUBBING ACTIVITIES SHALL INCLUDE TEMPORARY STABILIZATION TECHNIQUES FOR AREAS CLEARED AND GRUBBED THAT WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME.

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STEEP SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS IN AREAS OF STEEP SLOPES AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS. ONCE AN STEEP SLOPE AREA HAS BEEN TEMPORARY AND/OR FINAL SEEDED IT SHALL BE PROTECTED WITH 4' HIGH ORANGE CONSTRUCTION TO PREVENT FURTHER DISTURBANCE OF THE AREA.

% BY WEIGHT

40

60

THE TEMPORARY SEEDING DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:

ANNUAL RYE GRASS

PERENNIAL RYE GRASS

#### STORMWATER INLET PROTECTION

INLET PROTECTION - WILL BE UTILIZED TO PREVENT SOIL AND DEBRIS FROM ENTERING STORM DRAIN INLETS. THESE MEASURES ARE USUALLY TEMPORARY AND ARE IMPLEMENTED BEFORE A SITE IS DISTURBED. ALL STORMWATER INLETS &/OR CATCH BASINS THAT ARE OPERATIONAL DURING CONSTRUCTION AND HAVE THE POTENTIAL TO RECEIVE SEDIMENT-LADEN STORMWATER FLOW FROM THE CONSTRUCTION SITE MUST BE PROTECTED USING CONTROL MEASURES OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN. EROSION CONTROL FENCE WITH STRAW WATTLES ARE TO BE PLACED AT TO OPENING OF ALL ROUGH GRADED SEDIMENT FOREBAYS UNTIL THE FOREBAY AND BASIN HAS BEEN STABILIZED AND BROUGHT ON-LINE.

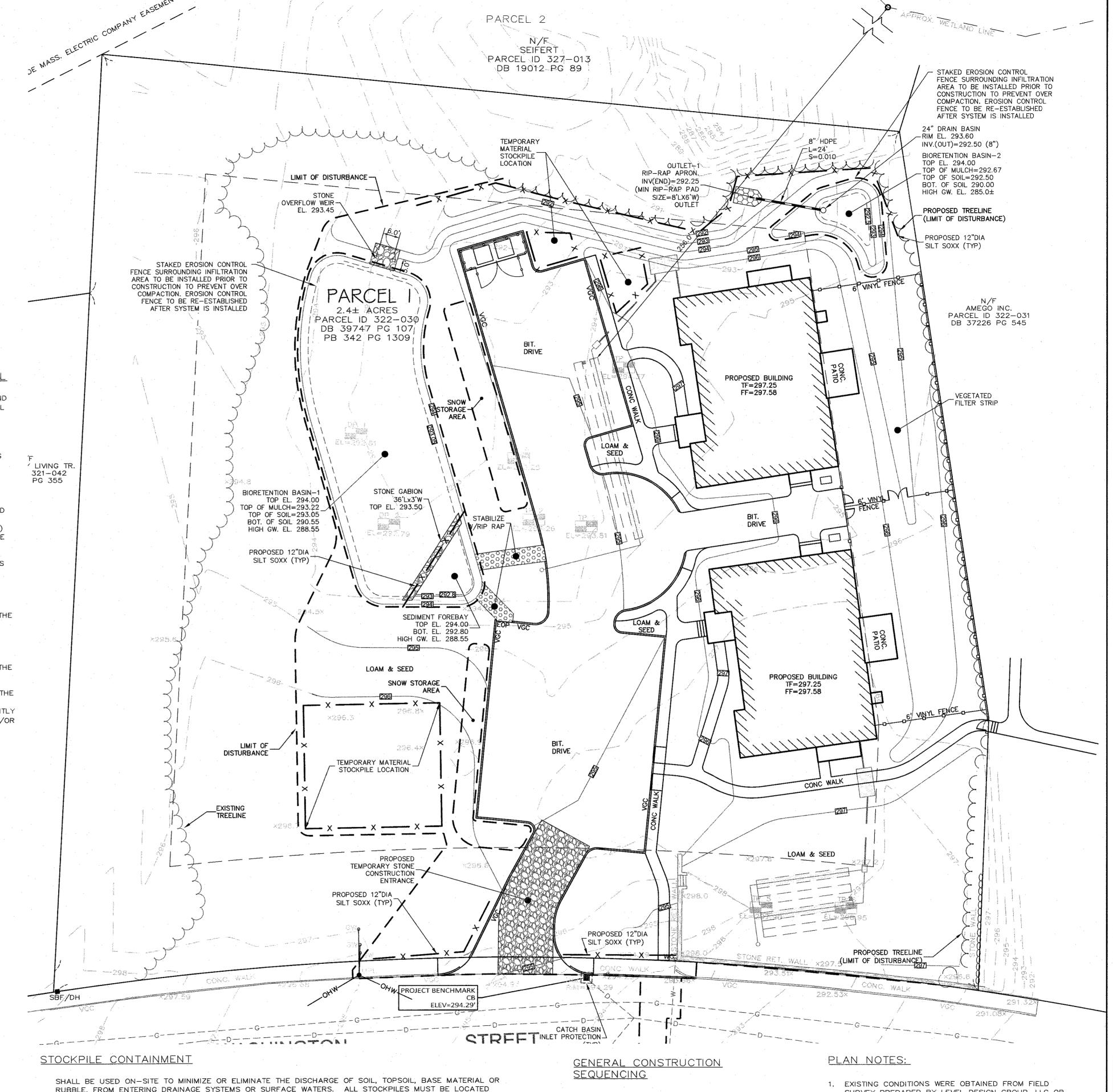
MAINTENANCE - THE OPERATOR MUST CLEAN, OR REMOVE AND REPLACE THE INLET PROTECTION MEASURES AS SEDIMENT ACCUMULATES, THE FILTER BECOMES CLOGGED, AND/OR AS PERFORMANCE IS COMPROMISED. ACCUMULATED SEDIMENT ADJACENT TO THE INLET PROTECTION MEASURES SHOULD BE REMOVED BY THE END OF THE SAME WORK DAY IN WHICH IT IS FOUND OR BY THE END OF THE FOLLOWING WORK DAY IF REMOVAL BY THE SAME WORK DAY IS NOT FEASIBLE.

INFILTRATION BASINS - ALL AREAS CONTAINING INFILTRATION BASINS (ABOVE OR BELOW GROUND) SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. THESE AREAS ARE NOT BE USED FOR MATERIAL STOCKPILES OR FOR PARKING EQUIPMENT. SURFACE BASINS ARE TO BE ROUGH GRADED AND PROTECTED UNTIL STABILIZED AND BROUGHT ON-LINE FOR STORMWATER MANAGEMENT OF THE STABILIZED SITE.

#### CONSTRUCTION ENTRANCES

CONSTRUCTION ENTRANCES SHALL BE ESTABLISHED PRIOR TO REMOVAL OF EXISTING DRIVEWAY PAVEMENT TO BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF SEDIMENT TRACKING OFF THE PROJECT. ANY CONSTRUCTION SITE ACCESS POINT MUST EMPLOY THE CONTROL MEASURES ON THE APPROVED SITE PLANS AND IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN. CONSTRUCTION ENTRANCES SHALL BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY CONSTRUCTION VEHICLES. ALL CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.

THE SITE OWNER AND OPERATOR MUST WILL RESTRICT VEHICLE USE TO PROPERLY DESIGNATED EXIT POINTS, USE PROPERLY DESIGNED AND CONSTRUCTED CONSTRUCTION ENTRANCES AT ALL POINTS THAT EXIT ONTO PAVED ROADS SO THAT SEDIMENT REMOVAL OCCURS PRIOR TO VEHICLE EXIT. WHEN AND WHERE NECESSARY, USE ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXIT (I.E. WHEEL WASHING RACKS, RUMBLE STRIPS, AND RATTLE PLATES). WHERE SEDIMENT HAS BEEN TRACKED OUT FROM THE CONSTRUCTION SITE ONTO THE SURFACE OF OFFSET STREETS, OTHER PAVED AREAS, AND SIDEWALKS, THE DEPOSITED SEDIMENT MUST BE REMOVED BY THE END OF THE SAME WORK DAY IN WHICH THE TRACK OUT OCCURS. TRACK-OUT MUST BE REMOVED BY SWEEPING, SHOVELING, OR VACUUMING THESE SURFACES, OR BY USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL.



RUBBLE, FROM ENTERING DRAINAGE SYSTEMS OR SURFACE WATERS. ALL STOCKPILES MUST BE LOCATED WITHIN THE LIMIT OF DISTURBANCE, PROTECTED FROM RUN-ON WITH THE USE OF TEMPORARY SEDIMENT BARRIERS AND PROVIDED WITH COVER OR STABILIZATION TO AVOID CONTACT WITH PRECIPITATION AND WIND WHERE AND WHEN PRACTICAL. STOCK PILE MANAGEMENT CONSISTS OF PROCEDURES AND PRACTICES DESIGNED TO MINIMIZE OR ELIMINATE THE DISCHARGE OF STOCKPILED MATERIAL (SOIL, TOPSOIL, BASE MATERIAL, RUBBLE) FROM ENTERING DRAINAGE SYSTEMS OR SURFACE WATERS. FOR ANY STOCKPILES OR LAND CLEARING DEBRIS COMPOSED, IN WHOLE OR IN PART, OF SEDIMENT OR SOIL,

YOU MUST COMPLY WITH THE FOLLOWING REQUIREMENTS - LOCATE PILES WITHIN THE DESIGNATED LIMITS OF DISTURBANCE OUTSIDE OF THE 100-FOOT BUFFER ZONE, PROTECT FROM CONTACT WITH STORMWATER (INCLUDING RUN-ON) USING A TEMPORARY PERIMETER SEDIMENT BARRIER; WHERE PRACTICABLE, PROVIDE COVER OR APPROPRÍATE TEMPORARY VEGETATIVE OR STRUCTURAL STABILIZATION TO AVOID DIRECT CONTACT WITH PRECIPITATION OR TO MINIMIZE SEDIMENT DISCHARGE; NEVER HOSE DOWN OR SWEEP SOIL OR SEDIMENT ACCUMULATED ON PAVEMENT OR OTHER IMPERVIOUS SURFACES INTO ANY STORMWATER CONVEYANCE, STORM DRAIN INLET. OR SURFACE WATER; TO THE MAXIMUM EXTENT PRACTICABLE, CONTAIN AND SECURELY PROTECT FROM WIND.

- 1. INSTALL EROSION AND SEDIMENT CONTROLS;
- 2. CLEAR, GRUB AND ROUGH GRADE AREAS SHOWN TO BE REGRADED; 3. DEMO EXISTING FEATURES IN WORK AREA NOT SHOWN TO BE SAVED AND CUT AND CAP UTILITIES
- AS NEEDED; 4. INSTALL BUILDING FOUNDATIONS; 5. INSTALL STORMWATER MANAGEMENT SYSTEM AND
- SITE UTILITIES;
- INSTALL BINDER COAT PAVING; 7. INSTALL LANDSCAPING;
- 8. FINE GRADE SITE AND LOAM AND SEED ALL DISTURBED AREAS; 9. INSTALL TOP COAT PAVEMENT;
- 10. PROJECT CLOSE OUT.

- SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC OR THEIR AFFILIATED COMPANIES MARCH 18, 2022. THERE ARE NO RESOURCE AREAS, IN ACCORDANCE WITH 310 CMR 10.00 WITHIN 100' OF PROPOSED SYSTEM.
- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 3. SEE STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR CONSTRUCTION ACTIVITIES AT 704 WASHINGTON STREET FRANKLIN, MA 02038, FOR ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES AND PROCEDURES.

2 9-6-22 REVISED LAYOUT 3 10-31-22 REVISED LAYOUT 4 11-21-22 REVIEW COMMENTS 5 1-4-23 REVIEW COMMENTS 6 2-09-23 REVIEW COMMENTS JUNE 21, 2022 APH / DRC DRAWN:

NO DATE

1 7-11-22

REVISIONS

COMMENT RESPONSE

SCALE: 1" = 20'

0 -回回の

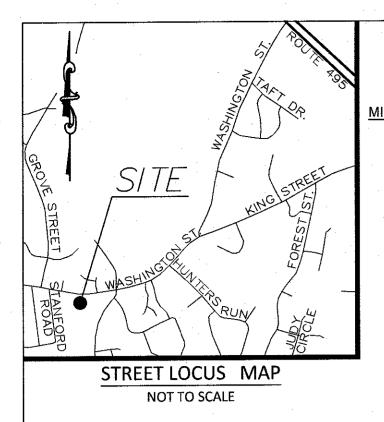
3

249 SOUTH STREET PLAINVILLE, MA 02762

**EROSION** 

TEL. (508) 695-2221 FAX. (508) 695-2219

0' 10' 20'



**ZONING DISTRICT** ZONED: RURAL RESIDENTIAL

MINIMUM BUILDING SETBACKS FRONT=40 FEET SIDE=40 FEET REAR=40 FEET

> DEED REFERENCES LAWRENCE P. BENEDETTO DEED BOOK 39747 PAGE 107

PLAN REFERENCES

PLAN BOOK 105 PAGE 679 PLAN BOOK 342 PAGE 1309

ZONING REQUIREMENTS					
ZONING DISTRICT: RURAL RESIDENTIAL 1 (GROUNDWATER PROTECTION OVERLAY DISTRICT)					
	REQUIRED	PROVIDED			
MIN. LOT AREA	40,000 S.F.	102,856 S.F.			
FRONTAGE	200'	338.34'			
FRONT YARD SETBACK	40'	75.59'			
SIDE YARD SETBACK	40'	40.50'			
REAR YARD SETBACK	40'	56.37'			
BUILDING COVERAGE	15% MAX.	6.8%			
IMPERVIOUS COVERAGE	80% MAX.	21.3%			
MAX. BUILDING HEIGHT	3 STORY/35'	1 STORY/18'			
PARKING REQUIREMENTS					
USE: GROUP HOME - GUEST HOUSES, LODGING HOUSES AND OTHER GROUP ACCOMMODATIONS:	20 GUESTS X (1 SPACE/	23			

GUEST)

=20 SPACES

N/F LEWIS FAMILY LIVING TR

PARCEL ID 321-042

#### PLAN NOTES:

1. EXISTING CONDITIONS WERE OBTAINED BY FIELD SURVEY BY LEVEL DESIGN GROUP, LLC, ON MARCH 18, 2022. SOIL TESTING COMPLETED BY SEAN M. BARRY ON APRIL 26, 2022 AND ADAM P. HUNT ON OCTOBER 14, 2022.

ONE SPACE PER GUEST UNIT.

- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 4. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 5. THE SITE IS LOCATED WITHIN A ZONE II WATER RESOURCE DISTRICT.
- 6. THE SITE IS NOT LOCATED WITHIN A FLOOD PLAIN DISTRICT.

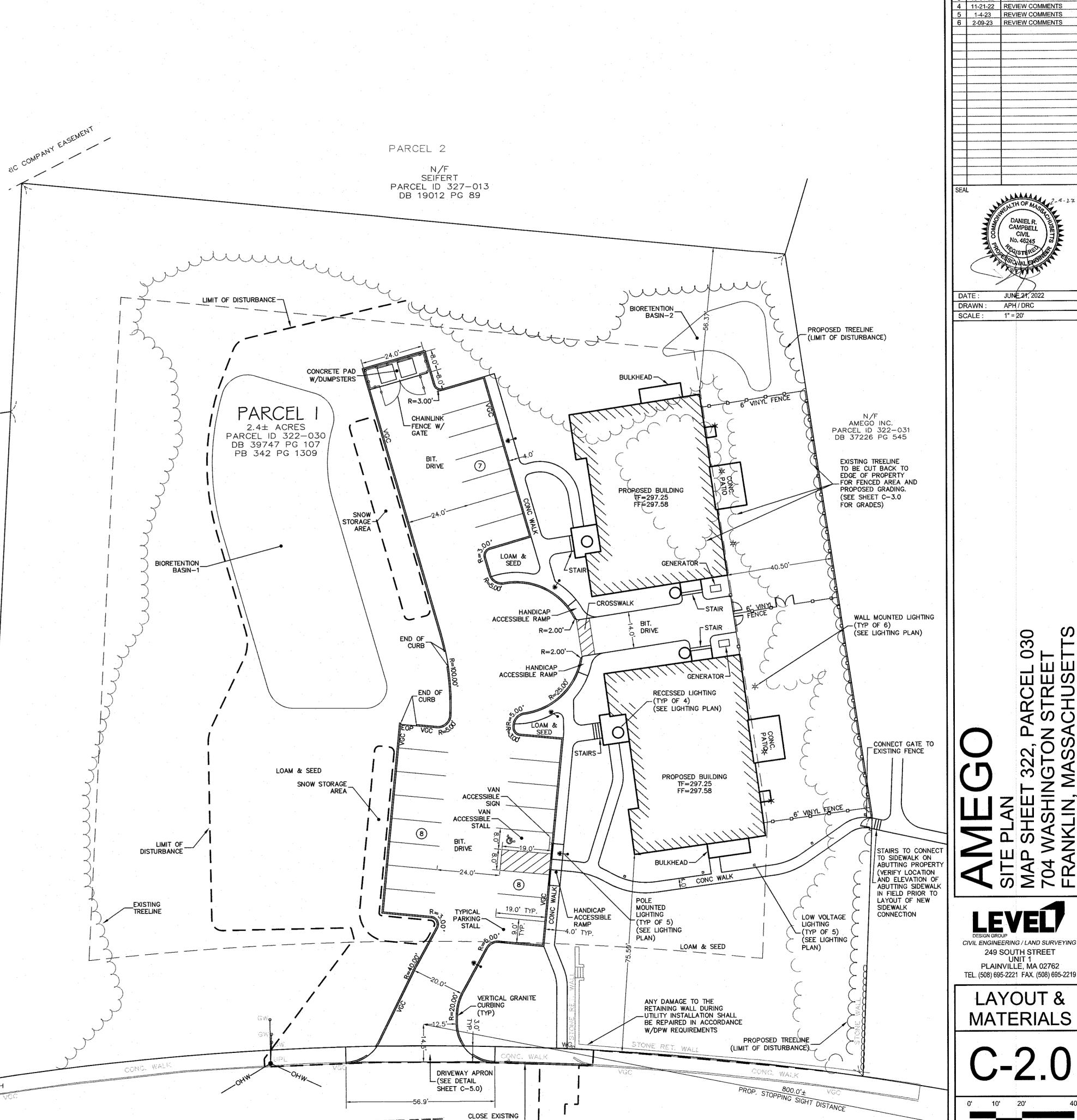
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- 3. ALL EXISTING PAVEMENT SHALL BE SAWCUT PRIOR TO REMOVAL.
- 4. ALL EXISTING PAVEMENT, CURB, WALKS, UTILITIES, LIGHT POLES, TREES, SHRUBS, ETC., SHALL BE REMOVED FROM THE AREAS TO BE DEVELOPED. ALL SUCH ITEMS NOT WITHIN THE WORK AREA SHALL BE PROTECTED AND UNDISTURBED.
- 5. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 6. ALL CONSTRUCTION AND CONSTRUCTION ACTIVITIES SHALL CONFORM TO STATE AND LOCAL REQUIREMENTS. INCLUDING BUT NOT LIMITED TO THE TOWN OF FRANKLIN, THE COMMONWEALTH OF MASSACHUSETTS AND ANY OTHER AGENCIES HAVING JURISDICTION.
- 7. SITE LIGHTING WILL BE PROVIDED BY RESIDENTIAL FIXTURES OFF THE BUILDINGS. NO LIGHT POLES WILL BE USED.
- 8. MATERIAL TO BE EXPORTED FROM THE SITE WILL BE LIMITED TO TOPSOIL IN AREAS TO BE PAVED AND ANY DELETERIOUS MATERIAL ENCOUNTERED DURING EXCAVATION. MATERIAL TO BE EXPORTED WILL BE LIMITED TO GRAVEL BASE AND SEPTIC AGGREGATE.

#### SITE PLAN NOTES:

1. THIS PLAN SET HAS BEEN ISSUED FOR PERMITTING ONLY. A FULL CONSTRUCTION PLAN SET SHALL BE ISSUED ONCE ALL LOCAL, STATE, AND FEDERAL PERMIT APPROVALS

HAVE BEEN GRANTED. #688 WASHINGTON STREET



CURB CUT W/ VERTICAL GRANITE CURB IN ACCORDANCE

W/ DPW REQUIREMENTS

WASHINGTON

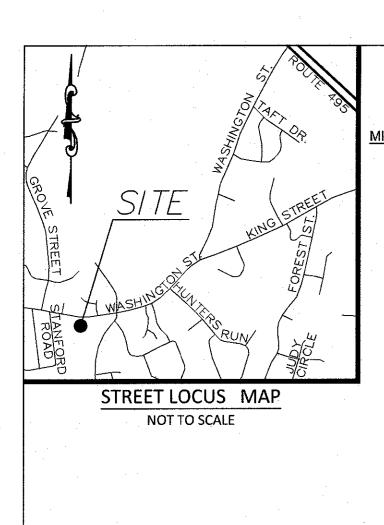
NO DATE

REVISIONS

30

ARCEL STREE CHUSE

1 7-11-22 COMMENT RESPONSE 2 9-6-22 REVISED LAYOUT 3 10-31-22 REVISED LAYOUT



ZONING DISTRICT ZONED: RURAL RESIDENTIAL MINIMUM BUILDING SETBACKS

> FRONT=40 FEET SIDE=40 FEET REAR=40 FEET

DEED REFERENCES LAWRENCE P. BENEDETTO

DEED BOOK 39747 PAGE 107

PLAN REFERENCES PLAN BOOK 105 PAGE 679 PLÁN BOOK 342 PAGE 1309

		DEEP (	OBSERVA	TION HOLE	LOG
DEEP HOLE NO	0.:DP-1	DATE: APRIL 26, 2	022 GRD	EL.: 292.60' PER	FORMED BY: SEAN M. BARRY, SE#14412
DEPTH FROM SURFACE (IN.)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL REDOX	OTHER (STRUCTURE, CONSISTENCY, SOIL CATEGORY)
0-32	0 / A	SANDY LOAM		<del>-</del>	<del>-</del>
32-43	B <sub>w</sub>	SANDY LOAM	<del>-</del>	<del>_</del>	-
43–87	C1	LOAMY SAND	. —	64"	_
87-118	C2	LOAMY SAND	2.5Y 4/3	<del>-</del> .	5-10% COBBLES, 10-20% GRAVEL
MEAN ANNUAL	HIGH GROU	UND WATER EST	MATED TO BE	AT EL = 287.2	7'

		DEEP (	DBSERVA	TION HOLE	LOG
DEEP HOLE N	0.:DP-2	DATE: APRIL 26, 2	022 GRD	EL.: 292.80' PER	FORMED BY: SEAN M. BARRY, SE#14412
DEPTH FROM SURFACE (IN.)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL REDOX	OTHER (STRUCTURE, CONSISTENCY, SOIL CATEGORY)
0-22	0 / A	SANDY LOAM	10YR 3/2		-
22-38	B <sub>W</sub>	SANDY LOAM	10YR 5/4		-
38-58	C1	GRAVELY SAND	10YR 5/6	51"	. <del>-</del>
58-85	C2	M-C. SAND	10YR 5/6		-
85-121	C3	FINE SAND	2.5Y 6/2	· . –	VERY FINE COMPACT SAND
ΜΕΔΝ ΔΝΝΙΙΔΙ	HICH CPAI	IND WATER ESTI	MATED TO BE	AT FL - 288 5	ፍ'

#### PLAN NOTES:

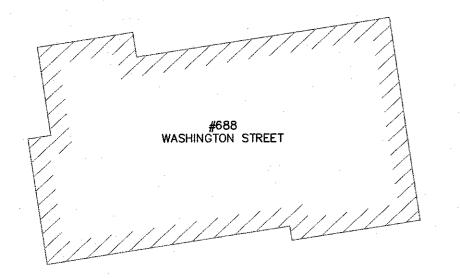
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- 4. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
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#### CONSTRUCTION NOTES:

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- 7. SITE LIGHTING WILL BE PROVIDED BY RESIDENTIAL FIXTURES OFF THE BUILDINGS. NO LIGHT POLES WILL BE USED.
- 8. MATERIAL TO BE EXPORTED FROM THE SITE WILL BE LIMITED TO TOPSOIL IN AREAS TO BE PAVED AND ANY DELETERIOUS MATERIAL ENCOUNTERED DURING EXCAVATION. MATERIAL TO BE EXPORTED WILL BE LIMITED TO GRAVEL BASE AND SEPTIC AGGREGATE.
- 9. ANY DAMAGE TO THE SIDEWALK DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE FRANKLIN DPW.

#### SITE PLAN NOTES:

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	ELEVATION LEGEND  FC = FLUSH CURB TC = TOP OF CURB BC = BOT OF FOLINDATION	6 2-09-23 REVIEW COMMENTS
5-10% COBBLES, 10-20% GRAVEL	TF = TOP OF FOUNDATION FF = FINISH FLOOR TOS = TOP OF STAIRS BOS = BOTTOM OF STAIRS	
BY: SEAN M. BARRY, SE#14412  OTHER (STRUCTURE, CONSISTENCY, SOIL CATEGORY)	PARCEL 2  N/F  SEIFERT  PARCEL ID 327-013  DB 19012 PG 89	SEAL SEAL 2-9-23
VERY FINE COMPACT SAND	TOTAL LOT AREA = 102,856 SF PROPOSED IMPERVIOUS AREA = 22,263 SF PROPOSED IMPERVIOUS COVER = 21.3%  B" HDPE IL 293.60 INV.(OUT)=292.50 (8") BIORETENTION BASIN-2 TOP EL 294.00 TOP OF SUL-292.67 TOP OF SUL-292.67 TOP OF SUL-292.50 BOT. OF SOIL-292.50	DATE: JUNE 21, 2022  DRAWN: APH / DRC
	STONE OVERFLOW WEIR EL. 293.45  TC=295.95 BC=295.45  TC=296.00 BC=295.50  TC=296.00 BC=295.50  TC=296.00 BC=295.50	SCALE: 1" = 20'
	2.4± ACRES	
N/F LEWIS FAMILY LIVING TR. PARCEL ID 321-042 DB 36001 PG 355	BIORETENTION BASIN—1 TOP EL. 294.00 TOP OF MULCH=293.02 TOP OF SOIL=293.05 BOT. OF SOIL 290.55 HIGH GW. EL. 288.55 HIGH GW. EL. 288.55  LOAM & SEED  296.28  LOAM & SEED  295.95  TC=296.15 BC=295.65  PC=295.65	30 TS
	SEDIMENT FOREBAY TOP EL. 294.00 BOT. EL. 292.80 HIGH GW. EL. 288.55 PC=295.65	O 2, PARCEL 0 FON STREET SSACHUSET
	DISTURBANCE  LOAM & SEED  PROPOSED BUILDING  IT=297.25  FF=297.58  PROPOSED BUILDING  IT=297.25  PROPOSED BUILDING  IT=297.25  FF=297.58  PROPOSED BUILDING  IT=297.25  PROPOSED BUILDING  IT=297.25  FF=297.58  PROPOSED BUILDING  IT=297.25  PROPOSED BUILDING  IT=297.58	AMASHINGT AP SHEET 32 AP SHEET 32 AWASHINGT SANKLIN, MAS
	EXISTING TREELINE  TC=295.45 BC=294.95  TC=295.69 BC=295.25  TC=295.80 BC=295.30 BC=295.30 295.85  TC=295.80 BC=295.30 295.85	LEVEL  DESIGN GROUP  CIVIL ENGINEERING / LAND SURVEYING  249 SOUTH STREET  UNIT 1  PLAINVILLE, MA 02762  TEL. (508) 695-2221 FAX. (508) 695-2219
SBF/DH	H.P. TC=295.95 BC=295.45 B	GRADING & DRAINAGE  C-3.0
2 pt	STREET	2013.00

NO DATE

REVISIONS

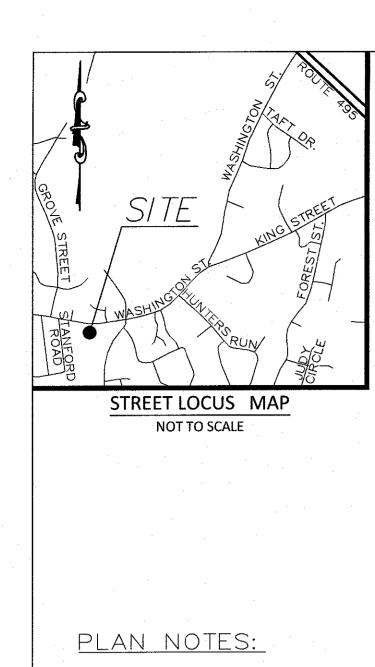
1 7-11-22 COMMENT RESPONSE 2 9-6-22 REVISED LAYOUT

3 10-31-22 REVISED LAYOUT

 4
 11-21-22
 REVIEW COMMENTS

 5
 1-4-23
 REVIEW COMMENTS

 6
 2-09-23
 REVIEW COMMENTS



**ZONING DISTRICT** ZONED: RURAL RESIDENTIAL

MINIMUM BUILDING SETBACKS

FRONT=40 FEET SIDE=40 FEET REAR=40 FEET

**DEED REFERENCES** 

LAWRENCE P. BENEDETTO

DEED BOOK 39747 PAGE 107

PLAN REFERENCES PLAN BOOK 105 PAGE 679

PLAN BOOK 342 PAGE 1309

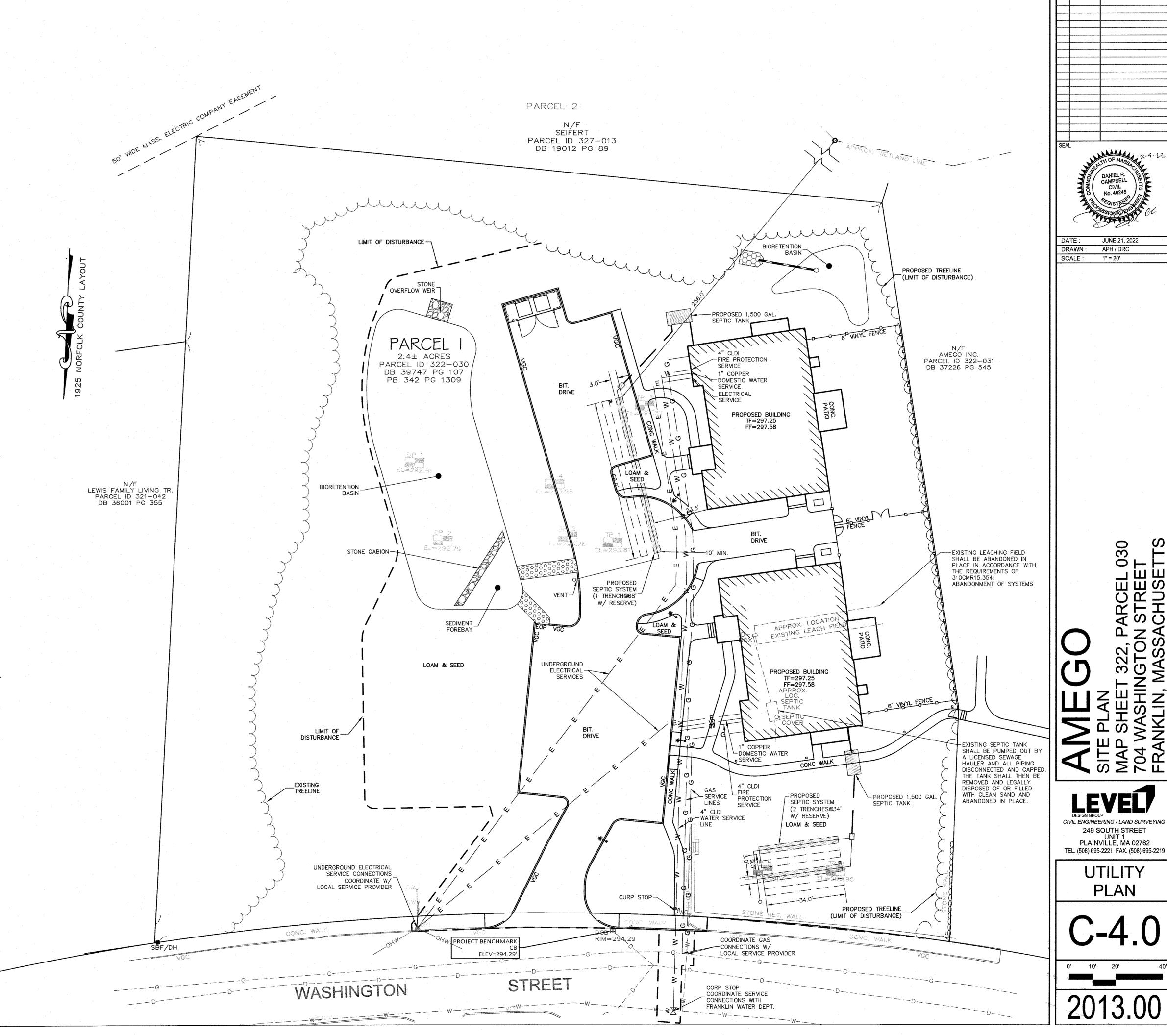
- 1. EXISTING CONDITIONS WERE OBTAINED BY FIELD SURVEY BY LEVEL DESIGN GROUP, LLC, ON MARCH 18, 2022. SOIL TESTING COMPLETED BY SEAN M. BARRY ON APRIL 26, 2022.
- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 4. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 5. THE SITE IS LOCATED WITHIN A ZONE II WATER RESOURCE DISTRICT.
- 6. THE SITE IS NOT LOCATED WITHIN A FLOOD PLAIN DISTRICT.

#### CONSTRUCTION NOTES:

- 1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 2. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 3. ALL EXISTING PAVEMENT SHALL BE SAWCUT PRIOR TO REMOVAL.
- 4. ALL EXISTING PAVEMENT, CURB, WALKS, UTILITIES, LIGHT POLES, TREES, SHRUBS, ETC., SHALL BE REMOVED FROM THE AREAS TO BE DEVELOPED. ALL SUCH ITEMS NOT WITHIN THE WORK AREA SHALL BE PROTECTED AND UNDISTURBED.
- 5. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 6. ALL CONSTRUCTION AND CONSTRUCTION ACTIVITIES SHALL CONFORM TO STATE AND LOCAL REQUIREMENTS. INCLUDING BUT NOT LIMITED TO THE TOWN OF FRANKLIN, THE COMMONWEALTH OF MASSACHUSETTS AND ANY OTHER AGENCIES HAVING JURISDICTION.
- 7. SITE LIGHTING WILL BE PROVIDED BY RESIDENTIAL FIXTURES OFF THE BUILDINGS. NO LIGHT POLES WILL BE USED.
- 8. MATERIAL TO BE EXPORTED FROM THE SITE WILL BE LIMITED TO TOPSOIL IN AREAS TO BE PAVED AND ANY DELETERIOUS MATERIAL ENCOUNTERED DURING EXCAVATION. MATERIAL TO BE EXPORTED WILL BE LIMITED TO GRAVEL BASE AND SEPTIC AGGREGATE.

#### SITE PLAN NOTES:

1. THIS PLAN SET HAS BEEN ISSUED FOR PERMITTING ONLY, A FULL CONSTRUCTION PLAN SET SHALL BE ISSUED ONCE ALL LOCAL, STATE, AND FEDERAL PERMIT APPROVALS HAVE BEEN GRANTED.



NO DATE

REVISIONS

REVISED LAYOUT

3 10-31-22 REVISED LAYOUT 4 11-21-22 REVIEW COMMENTS 5 1-4-23 REVIEW COMMENTS

6 2-09-23 REVIEW COMMENTS

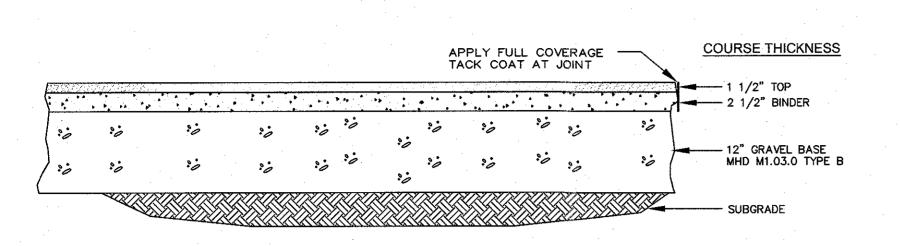
JUNE 21, 2022

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ARCE STRE CHU

PLAN



CEMENT CONCRETE RAMPS

TO BE TEXTURED WITH A

STIFF BROOM FINISH.

#### **AUTOMOTIVE AREAS - BITUMINOUS CONCRETE PAVEMENT**

NOT TO SCALE

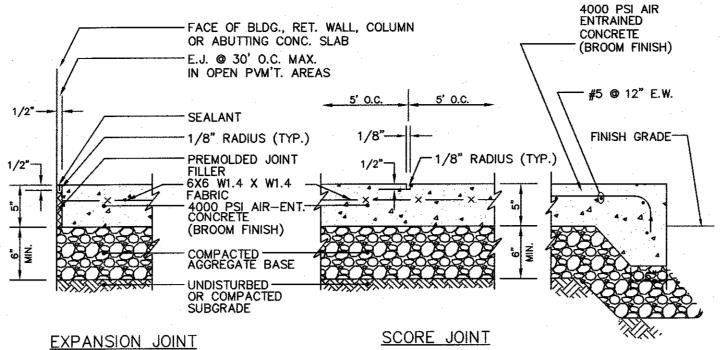
VARIABLE TO 8 FT.

SECTION

SIDEWALK SURFACE --- GRAVEL BASE

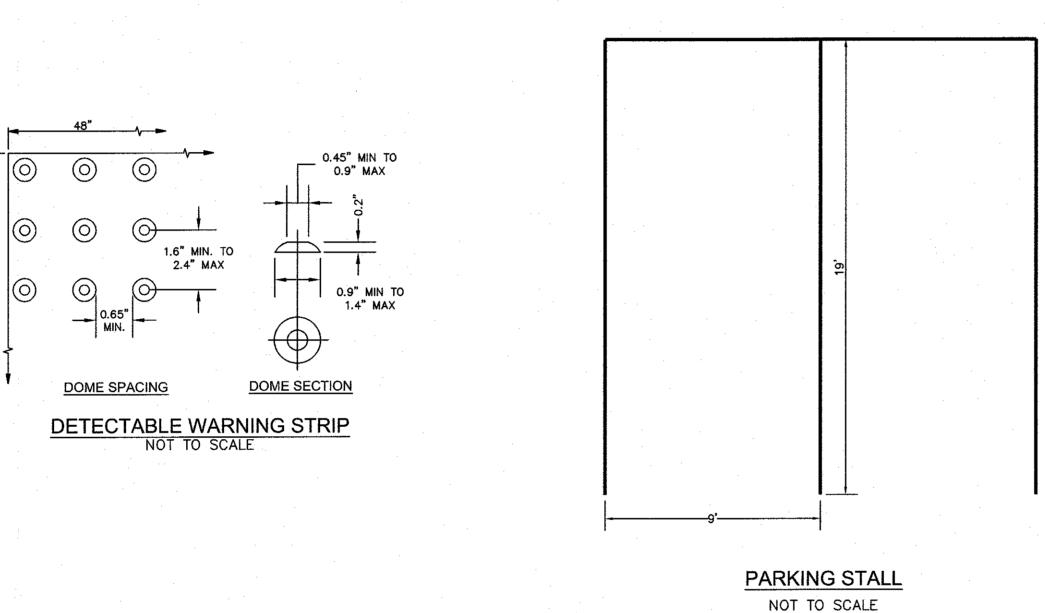
WHEEL CHAIR RAMP
NOT TO SCALE

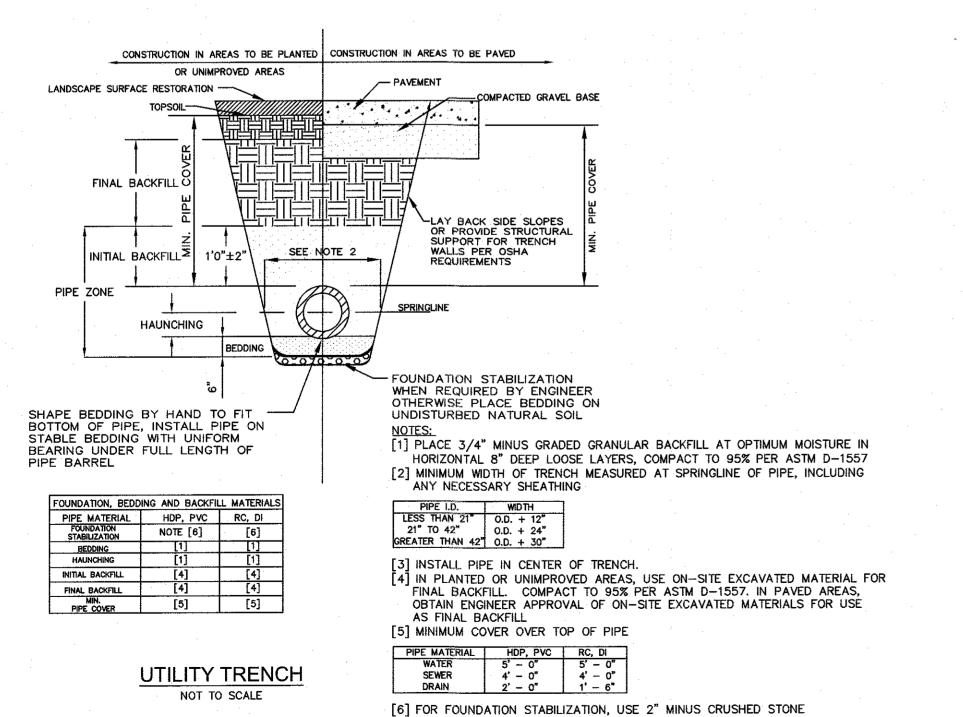
1/2" MAX<del>. </del>

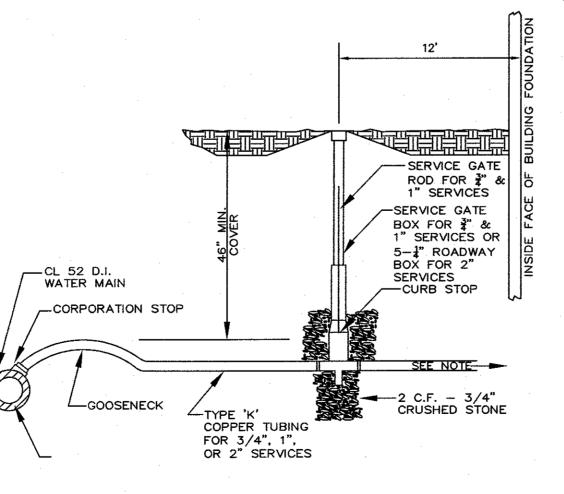


- 1. MAXIMUM CROSS SLOPE = 2%
- 2. MAXIMUM GRADIENT = 5% 3. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
- 4. PROVIDE VERTICAL GRANITE OR PRECAST CONCRETE CURBING PER SHEET C3.

#### CONCRETE SIDEWALK NOT TO SCALE

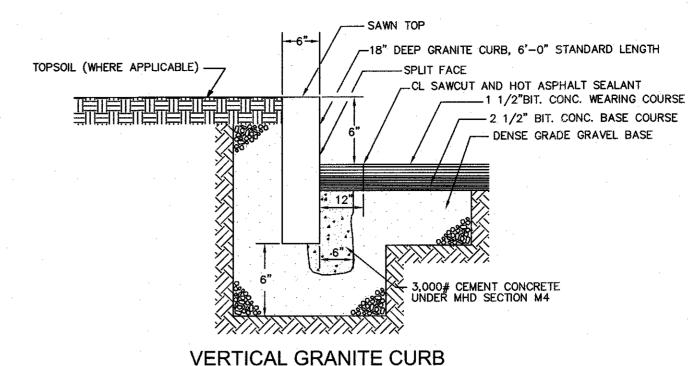




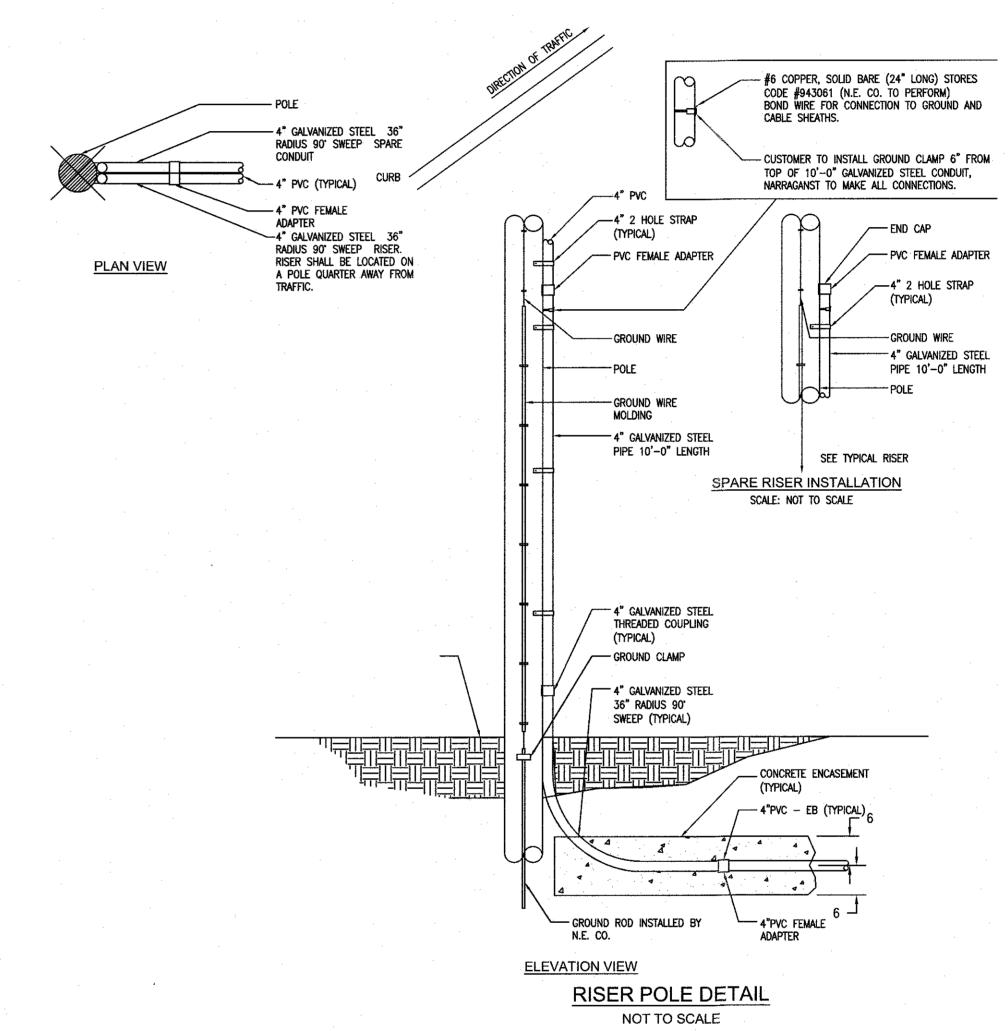


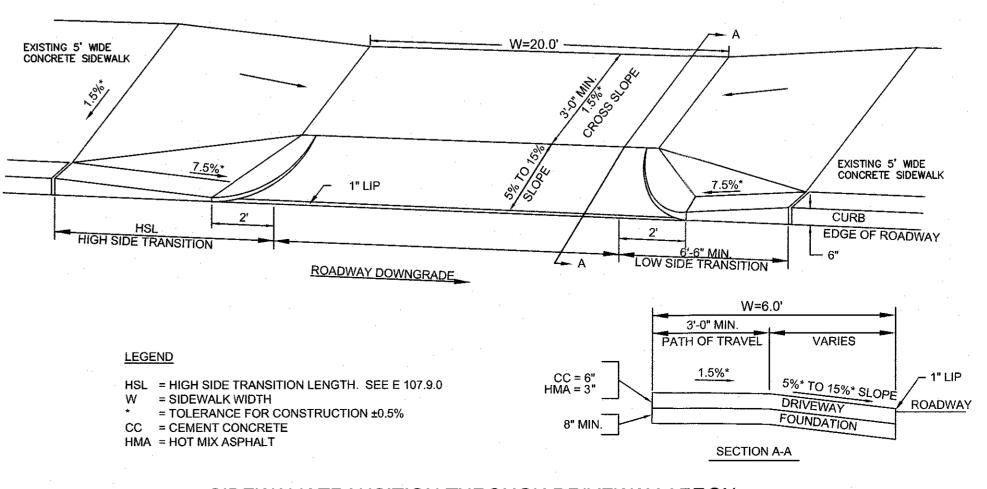
NOTE:
MATERIAL FOR HOMEOWNERS' SERVICE LINE MAY EITHER BE TYPE K COPPER OR COPPER PIPE SIZIE POLYETHYLENE TUBING TYPE 3408, 200 PSI MEETING ASTM SPECIFICATIOS FOR D3350.

WATER SERVICE NOT TO SCALE



NOT TO SCALE





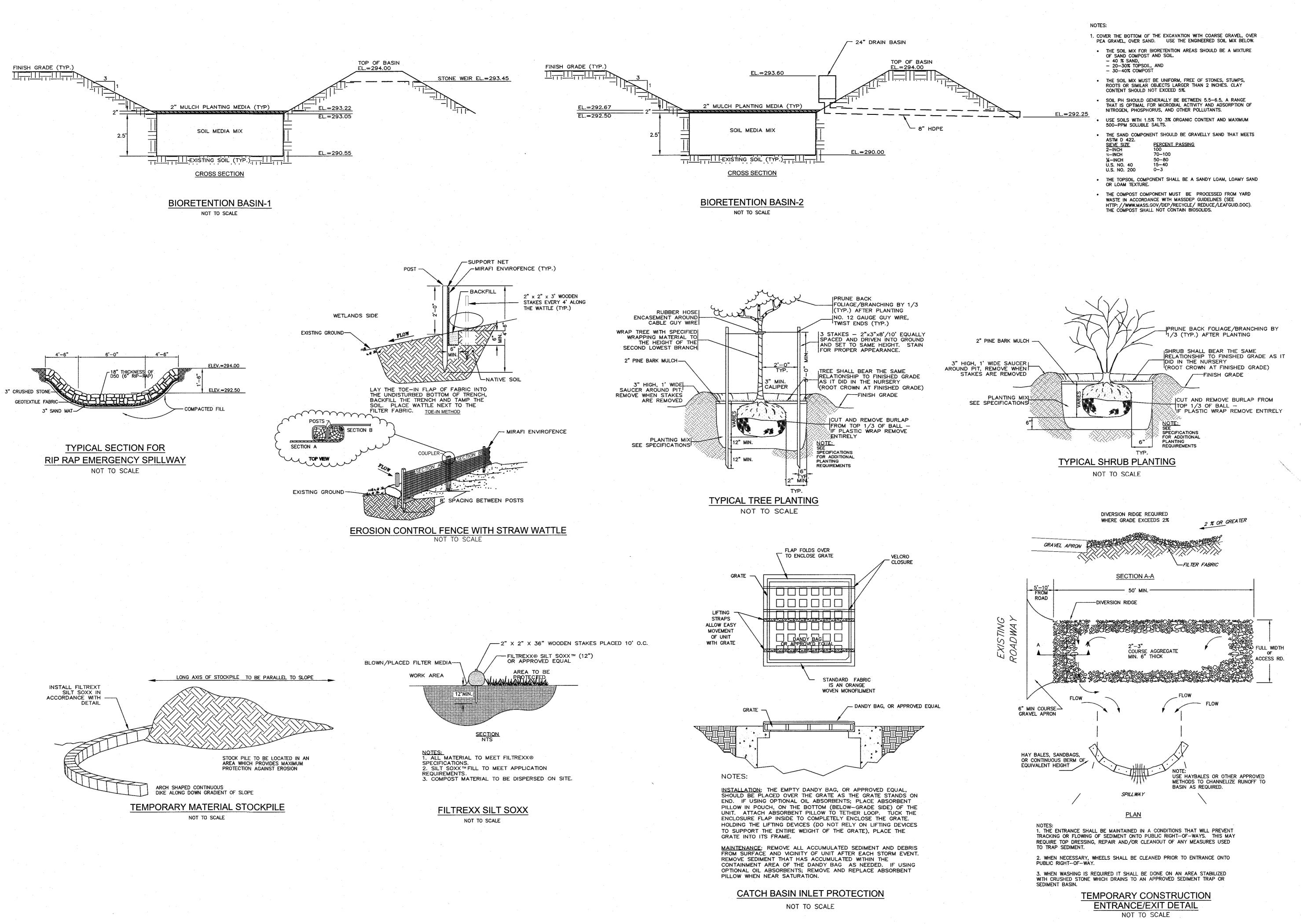
SIDEWALK TRANSITION THROUGH DRIVEWAY APRON NOT TO SCALE

NO DATE REVISIONS 1 7-11-22 COMMENT RESPONSE 2 9-6-22 REVISED LAYOUT 3 10-31-22 REVISED LAYOUT 4 11-21-22 REVIEW COMMENTS 5 1-4-23 REVIEW COMMENTS 6 2-09-23 REVIEW COMMENTS JUNE 21, 2022 DRAWN: APH/DRC SCALE: N.T.S.

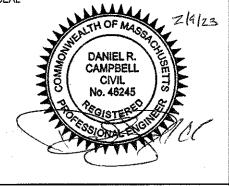
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CIVIL ENGINEERING / LAND SURVEYING 249 SOUTH STREET UNIT 1 PLAINVILLE, MA 02762 TEL. (508) 695-2221 FAX. (508) 695-2219

**TYPICAL DETAILS** 



NO DATE REVISIONS COMMENT RESPONSE 2 9-6-22 REVISED LAYOUT 3 10-31-22 REVISED LAYOUT 4 11-21-22 REVIEW COMMENTS 5 1-4-23 REVIEW COMMENTS 6 2-09-23 REVIEW COMMENTS CAMPBELL CIVIL No. 46245



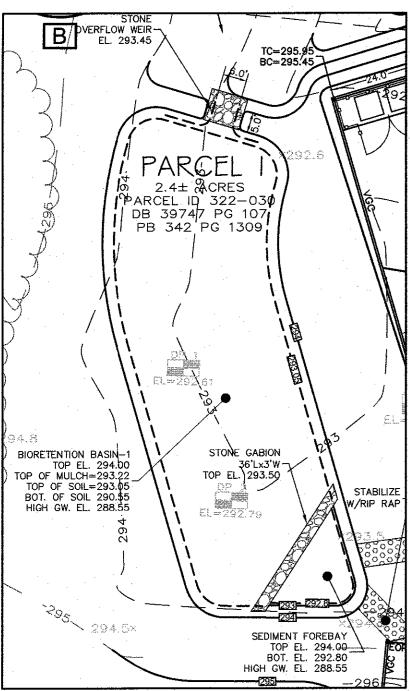
DATE: JUNE 21, 2022 DRAWN: APH/DRC SCALE: N.T.S.

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CIVIL ENGINEERING / LAND SURVEYING

249 SOUTH STREET PLAINVILLE, MA 02762 TEL. (508) 695-2221 FAX. (508) 695-2219

> **TYPICAL DETAILS**



**BIORETENTION BASIN-1 PLANTING DETAIL** 

1"=20'

BIORETENTION CONSTRUCTION NOTES: COVER THE BOTTOM OF THE EXCAVATION WITH COARSE GRAVEL, OVER PEA GRAVEL, OVER SAND. DO NOT USE FABRIC FILTERS OR SAND CURTAINS. USE THE ENGINEERED SOIL MIX BELOW. ENGINEERED SOIL MIX FOR BIORETENTION SYSTEMS DESIGNED TO EXFILTRATE THE SOIL MIX FOR BIORETENTION AREAS SHOULD BE A MIXTURE OF SAND

- COMPOST AND SOIL. • 40 % SAND,
- 20-30% TOPSOIL, AND
- 30-40% COMPOST
- THE SOIL MIX MUST BE UNIFORM, FREE OF STONES, STUMPS, ROOTS OR SIMILAR OBJECTS LARGER THAN 2". CLAY CONTENT SHOULD NOT EXCEED 5%
- SOIL PH SHOULD GENERALLY BE BETWEEN 5.5-6.5 A RANGE THAT IS OPTIMAL FOR MICROBIAL ACTIVITY AND ADSORPTION OF NITROGEN, PHOSPHORUS, AND OTHER POLLUTANTS.
- USE SOILS WITH 1.5% TO 3% ORGANIC CONTENT AND MAXIMUM 500-PPM SOLUBLE SALTS. - THE SAND COMPONENT SHOULD BE GRAVELLY SAND THAT MEETS ASTM D 422.

PERCENT PASSING SIEVE SIZE 2-INCH 100 ¾-INCH 70-100 50-80 14-INCH U.S. NO. 40 15-40

U.S. NO. 200 0-3

- THE TOPSOIL COMPONENT SHALL BE A SANDY LOAM, LOAMY SAND OR LOAM TEXTURE.
- THE COMPOST COMPONENT MUST BE PROCESSED FROM YARD WASTE IN ACCORDANCE WITH MASSDEP GUIDELINES (SEE
  - HTTP: //WWW.MASS.GOV/DEP/RECYCLE/REDUCE/LEAFGUID.DOC). THE COMPOST SHALL NOT CONTAIN BIOSOLIDS.

ON-SITE SOIL MIXING OR PLACEMENT IS NOT ALLOWED IF SOIL IS SATURATED OR SUBJECT TO WATER WITHIN 48 HOURS. COVER AND STORE SOIL TO PREVENT WETTING OR SATURATION.

TEST SOIL FOR FERTILITY AND MICRO-NUTRIENTS AND, ONLY IF NECESSARY, AMEND MIXTURE TO CREATE OPTIMUM CONDITIONS FOR PLANT ESTABLISHMENT AND EARLY GROWTH.

GRADE THE AREA TO ALLOW A PONDING DEPTH OF 6 TO 8 INCHES: DEPENDING ON SITE CONDITIONS, MORE OR LESS PONDING MAY BE APPROPRIATE.

COVER THE SOIL WITH 2 TO 3 INCHES OF FINE-SHREDDED HARDWOOD MULCH.

#### PLANTING SCHEDULE

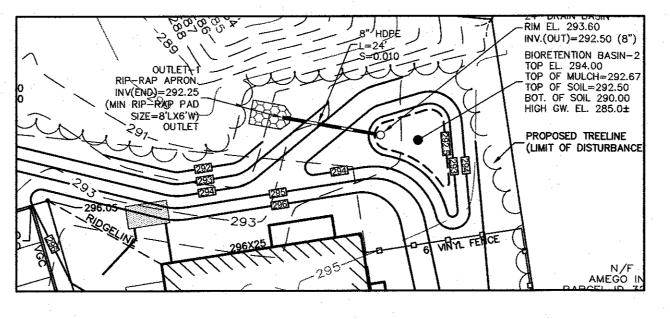
KEY	SCIENTIFIC NAME	QUANTITY	SIZE	REMARKS/COMMENTS
HV	HAMAMELIS VIRGINIANA	113	2 GAL	2 GALLON
	Sedum X Autumn Joy	125		1 GALLON
	Hemerocallis 'Hearts Fire'	50		1 GALLON
	Hemerocallis 'Catherine Woodbury'	25		1 GALLON
	Heliopsis Helianthoides	25		1 GALLON
	Carex Appressa	30		1 GALLON

#### MATERIAL PLANTING NOTES

PLANTINGS SHALL BE DONE SHORTEST TO TALLEST INSIDE TO OUTSIDE UNLESS OTHERWISE DETAILED. WITH FINAL DESIGN AT THE TIME OF PLANTING

WITHIN 5,570 S.F. BIORETENTION BASIN THERE SHALL BE A MINIMUM OF: 30-TALL SEDGE, CAREX APPRESSA 125-AUTUMN JOY SEDUM, SEDUM X AUTUMN JOY

50-HEARTS AFIRE DAYLILY, HEMEROCALLIS 'HEARTS AFIRE' - COLORS VARY 25-CATHERINE WOODBURY DAYLILY, HEMEROCALLIS 'CATHERINE WOODBURY' 25-OXEYE SUNFLOWER, HELIOPSIS HELIANTHOIDES MINIMUM QUANTITIES SHALL BE ADJUSTED PROPORTIONAL TO THE SIZE OF THE RAIN GARDEN



**BIORETENTION BASIN-2 PLANTING DETAIL** 

1"=20'

#### NYLOPLAST 24 " INLINE DRAIN: 2724AG \_ \_ X (1, 2) INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D. 18" MIN WIDTH GUIDELINE 8" MIN THICKNESS GUIDELINE RAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE MINIMUM PIPE BURIAL DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS. DEPTH PER PIPE INVERT ACCORDING TO TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS. MANUFACTURER PLANS/TAKE OFF SEE DRAWING NO. 7001-110-111 FOR NON TRAFFIC INSTALLATION. RECOMMENDATION (3) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 24" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PV (CORRUGATED HDPE SHOWN) THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS II MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTE 1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. UNIFORMLY IN ACCORDANCE WITH ASTM D2321. 2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) N-12 HP, & PVC SEWER. 4 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY. 5 - DIMENSIONS ARE IN INCHES 6 - SEE DRAWING NO. 7001-110-275 FOR ADS N-12 & HANCOR DUAL WALL BELL INFORMATION & DRAWING NO. 7001-110-364 FOR N-12 HP BELL INFORMATION GRATE OPTIONS LOAD RATING PART # DRAWING # PEDESTRIAN MEETS H-10 2499CGP 7001-110-216 STANDARD MEETS H-20 2499CGS 7001-110-217 THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH DRAWN BY EBC MATERIAL BUFORD, GA 30518 NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER. Nyloplast FAX (770) 932-2490 RANSFER, OR LICENSE THE USE OF THE DESIGN OR EPRODUCTION OF THIS PRINT OR ANY INFORMATION ONTAINED HEREIN, OR MANUFACTURE OF ANY 24 IN INLINE DRAIN QUICK SPEC INSTALLATION DETA ARTICLE HEREFROM, FOR THE DISCLOSURE TO O FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN DWG SIZE A SCALE 1:40 SHEET 1 OF 1 DWG NO. 7003-110-028 REV C

AISSION FROM NYLOPLAST.

#### PLANTING SCHEDULE

KEY	SCIENTIFIC NAME	QUANTITY	SIZE	REMARKS/COMMENTS
HV	HAMAMELIS VIRGINIANA	15	2 GAL	2 GALLON
	Sedum X Autumn Joy	25		1 GALLON
	Hemerocallis 'Hearts Fire'	10	<del></del>	1 GALLON
	Hemerocallis 'Catherine Woodbury'	5	<u> </u>	1 GALLON
<del></del>	Heliopsis Helianthoides	5		1 GALLON
	Carex Appressa	7		1 GALLON

#### MATERIAL PLANTING NOTES:

PLANTINGS SHALL BE DONE SHORTEST TO TALLEST INSIDE TO OUTSIDE UNLESS OTHERWISE DETAILED. WITH FINAL DESIGN AT THE TIME OF PLANTING

WITHIN THE 703 S.F. BIORETENTION BASIN THERE SHALL BE A MINIMUM OF

7-TALL SEDGE, CAREX APPRESSA 25-AUTUMN JOY SEDUM, SEDUM X AUTUMN JOY

10-HEARTS AFIRE DAYLILY, HEMEROCALLIS 'HEARTS AFIRE' - COLORS VARY 5-CATHERINE WOODBURY DAYLILY, HEMEROCALLIS 'CATHERINE WOODBURY'

5-OXEYE SUNFLOWER, HELIOPSIS HELIANTHOIDES MINIMUM QUANTITIES SHALL BE ADJUSTED PROPORTIONAL TO THE SIZE OF THE RAIN GARDEN

PRUNE BACK FOLIAGE/BRANCHING BY 1/3 (TYP.) AFTER PLANTING 2" PINE BARK MULCH -RELATIONSHIP TO FINISHED GRADE AS IT DID IN THE NURSERY 3" HIGH, 1' WIDE SAUCER AROUND (ROOT CROWN AT FINISHED GRADE) PIT, REMOVE WHEN STAKES ARE FINISH GRADE PLANTING MIXI ICUT AND REMOVE BURLAP FROM SEE SPECIFICATIONS TOP 1/3 OF BALL -SPECIFICATIONS
FOR ADDITIONAL

TYPICAL SHRUB PLANTING

NOT TO SCALE

### NOTES:

DESIGN INTENT

THESE PLANTING PLANS ARE INTENDED TO ADDRESS THE LANDSCAPING REQUIREMENTS NOTED IN THE CODE OF ORDINANCES FOR THE TOWN OF FRANKLIN, MASSACHUSETTS.

#### TREE AND SHRUB PLANTING BED PREPARATION.

- ALL TREE AND SHRUB PLANTING BEDS ARE TO BE TREATED AS FOLLOWS; \* ALL PLANTING BEDS ARE TO BE EXCAVATED TO A DEPTH of 12" BELOW FINISHED GRADE.
- \* THE BOTTOM OF THE PLANTING BEDS ARE TO BE SCARIFIED TO ENCOURAGE DRAINAGE AND PREVENT COMPACTION.
- \* ALL PLANTING BEDS ARE TO BE BACKFILLED WITH 8" OF LODGE, FRIABLE, DRGANIC LOAM OR COMPOST.

#### PLANTING:

- \* PROVIDE QUALITY PLANTS IN THE GENUS, SPECIES AND VARIETY INDICATED IN THE PLANT SCHEDULE, COMPLYING WITH APPLICABLE REQUIREMENTS OF "ANSI Z60.1 AMERICAN STANDARD FOR NURSERY STOCK."
- \* PROVIDE PLANTS IN THE SIZE AND NUMBER INDICATED IN THE PLANT SCHEDULE, PLANTS SHALL BE GROWN IN
- NURSERIES LOCATED IN THE NORTHEASTERN U.S.
- \* DELIVER FRESH DUG TREES WHICH ARE BALLED AND BURLAPPED, AND SHRUBS WHICH ARE BALLED AND BURLAPPED DR
- IN NURSERY CONTAINERS. ALL PLANTS ARE TO BE HEALTHY, VIGOROUS AND FREE OF INSECTS AND DISEASE. \* PLANTS ARE TO BE INSTALLED AS SPECIFIED IN THE PLANTING DETAILS WITH ADEQUATE WATER PROVIDED DURING PLANTING TO ALLOW COMPACTION OF THE PLANTING SOIL TO PREVENT ANY AIR POCKETS OR SETTLEMENT AFTER PLANTING.
- \* ALL PLANTING BEDS ARE TO BE COVERED WITH 2" WELL AGED PINE BARK MULCH.
- \* AFTER THE TREES AND SHRUBS ARE PLANTED, THE DISTURBED AREAS BETWEEN THE PLANTING BEDS SHALL BE LOAMED AND SEEDED WITH A SEED MIX AS SPECIFIED IN THE LOAMING AND SEEDING NOTES.
- ALL DECIDUOUS AND EVERGREEN TREES OVER 5' TALL ARE TO BE STAKED AS SHOWN IN THE PLANTING DETAILS. TREES ARE TO REMAIN PLUMB AND SHALL BE ADJUSTED AS NEEDED. ALL STAKES AND ARBOR TIES ARE TO BE MAINTAINED AND ADJUSTED TO PREVENT GIRDLING OF THE TRUNK AND REMOVED WHEN NO LONGER NEEDED,
- \* RECOMMENDED PLANTING DATES ARE MARCH 15 TO JUNE 15 AND SEPTEMBER 15 TO NOVEMBER 15. \* PLANT SUBSTITUTIONS SHALL BE ALLOWED BASED ON AVAILABILITY ONLY WITH DIRECT APPROVAL FROM THE CIVIL
- \* ALL PLANTINGS SHALL COME FROM THE BEST DEVELOPMENT PRACTICES QUIDEBOOK, (\$185-31,C.(3),(K)).

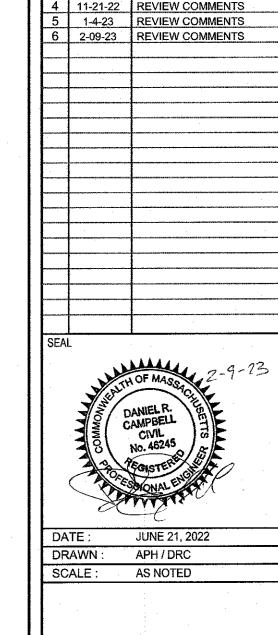
#### LOAMING & SEEDING:

1, AFTER ROUGH GRADING IS COMPLETED, ALL DISTURBED AREAS WHICH ARE AFTER ROUGH GRADING IS COMPLETED, ALL DISTURBED AREAS WHICH ARE LABELED AS "GRASS", ARE TO BE BROUGHT TO AN ELEVATION OF 6" BELOW THE PROPOSED FINISHED GRADE, IF COMPACTED, THE SUBGRADE IS TO BE SCARIFIED TO A DEPTH OF 12" WITH THE TEETH OF A BACKHOE TO RESULT IN AN UNCOMPACTED SUBSOIL, THEN 6" OF GOOD QUALITY TOPSOIL IS TO BE APPLIED AND RAKED TO FINISHED GRADE.

REQUIREMENTS

- 2. THE TOPSOIL IS TO BE GOOD QUALITY LOAM, FERTILE AND FREE OF WEEDS, THE TOPSOIL IS TO BE GOOD QUALITY LOAM, FERTILE AND FREE OF WEEDS, STICKS AND STONES OVER 3/4" IN SIZE AND OTHERWISE COMPLYING WITH SECTION M.18.01 OF THE RI DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- PRIOR TO SEEDING, FERTILIZE WITH 10-10-10 OR EQUIVALENT ANALYSIS. AT PRIOR TO SEEDING, FERTILIZE WITH 10-10-10 OR EQUIVALENT ANALYSIS. AT LEAST 40% OF THE FERTILIZER NITROGEN SHALL BE IN SLOW RELEASE FORM. INCORPORATE THE FERTILIZER INTO THE TOP 1-2" OF THE PLANTING SOIL, APPLY AT A RATE of 12 LBS, PER 1000 SQUARE FEET.
- LIME IS TO BE APPLIED AT A RATE OF ONE TON PER ACRE AND UNIFORMLY LIME IS TO BE APPLIED AT A RATE OF ONE TON PER ACRE AND UNIFORMLY INCORPORATED INTO THE TOP 1-2" OF TOPSOIL,

- THE AREAS LABELED AS "GRASS" SHALL BE SEEDED AS FOLLOWS:
- \* FTER THE SEED BED IS PREPARED, SEED IS TO BE BROADCAST EVENLY OVER THE SURFACE AND WORKED INTO THE TOP
- \* SEED SHALL BE DARK AND DURABLE (AVAILABLE FROM VALLEY GREEN, 642 S. DARK AND DURABLE (AVAILABLE FROM VALLEY GREEN, 642 S. (AVAILABLE FROM VALLEY GREEN, 642 S. SUMMER STREET, HOLYOKE, MA 1-800-862-0089) OR APPROVED EQUAL, APPLY AT A RATE OF 6-10 LBS, PER ACRE,
- 27% FURY TALL FESCUE FURY TALL FESCUE
- 27% CORONADO TALL FESCUE CORONADO TALL FESCUE
- 26% ENDEAVOR TALL FESCUE ENDEAVOR TALL FESCUE 10% IQ PERENNIAL RYEGRASS IQ PERENNIAL RYEGRASS
- 10% BROOKLAWN KENTUCKY BLUEGRASS BROOKLAWN KENTUCKY BLUEGRASS
- RECOMMENDED SEEDING DATES ARE MARCH 15 TO JUNE 15 AND SEPTEMBER 15 TO NOVEMBER 15.
- \* RATHER THAN SEEDING AS DESCRIBED ABOVE, THE CONTRACTOR MAY HYDROSEED USING AN EQUIVALENT SEED MIX.



REVISIONS

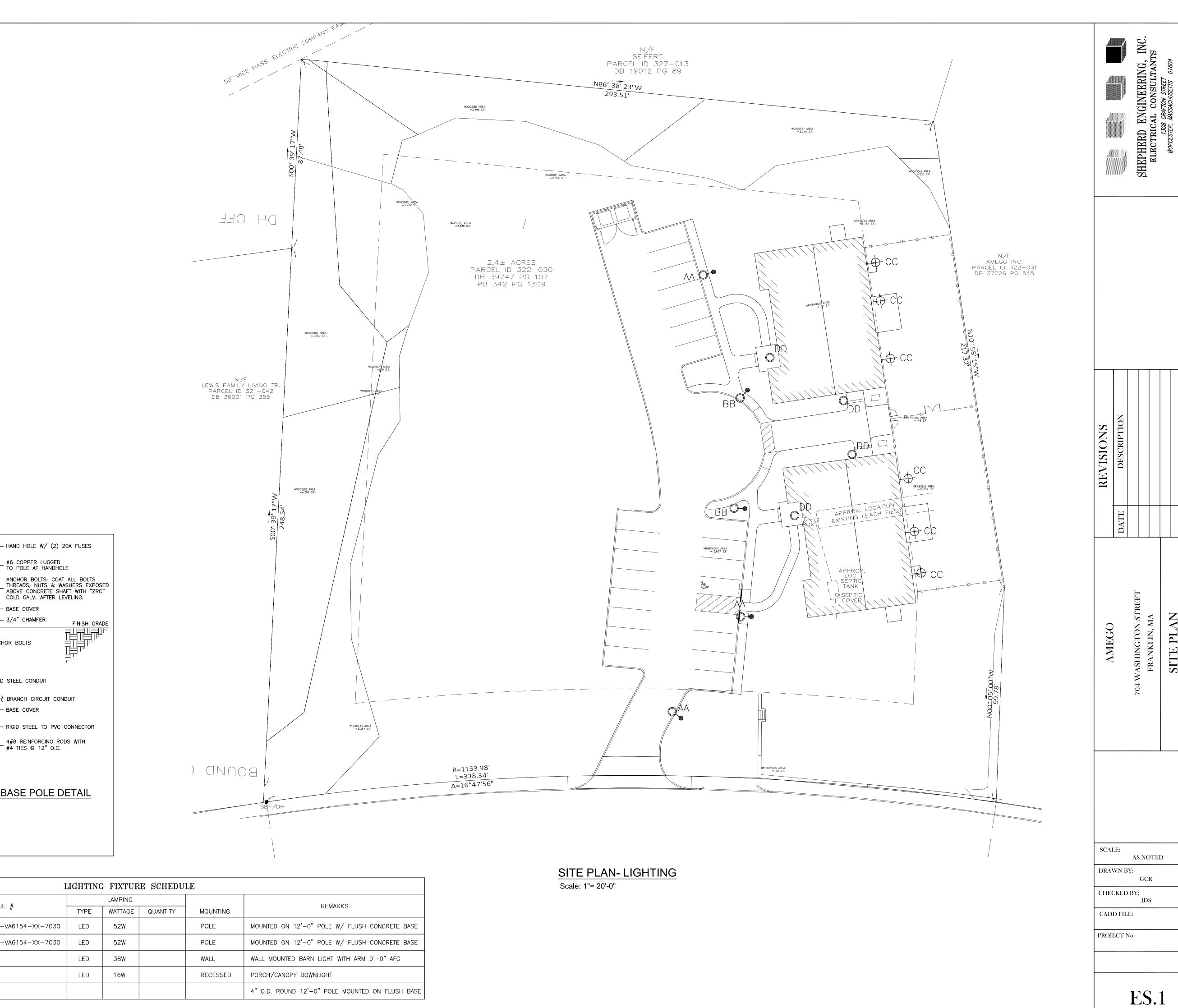
COMMENT RESPONSE

2 9-6-22 REVISED LAYOUT 3 10-31-22 REVISED LAYOUT

30 0 ШШО ARCE STRI CHU % <u>'</u>5

CIVIL ENGINEERING / LAND SURVEYING 249 SOUTH STREET

UNIT 1 PLAINVILLE, MA 02762 TEL. (508) 695-2221 FAX. (508) 695-2219 **TYPICAL DETAILS** 



— HAND HOLE W/ (2) 20A FUSES

#6 COPPER LUGGED TO POLE AT HANDHOLE

- BASE COVER — 3/4" CHAMFER

--- ANCHOR BOLTS

RIGID STEEL CONDUIT

── BASE COVER

FLUSH MOUNTED CONCRETE BASE POLE DETAIL

CATALOGUE #

ECM-E02-LED-E1-SL3-VA6154-XX-7030

ECM-E02-LED-E1-SL4-VA6154-XX-7030

WHS14-3000LM-DOME

HLB609930

RSA-4121

BRANCH CIRCUIT CONDUIT

#4 TIES @ 12" O.C.

4#8 REINFORCING RODS WITH

LED

LED

LED

LED

REFER TO LIGHT FIXTURE SCHEDULE FOR POLE AND FIXTURE TYPES

3/4" X 10'-0" LONG---GROUND ROD

NOT TO SCALE

MANUFACTURER

INVUE LIGHTING

INVUE LIGHTING

BARNLIGHT

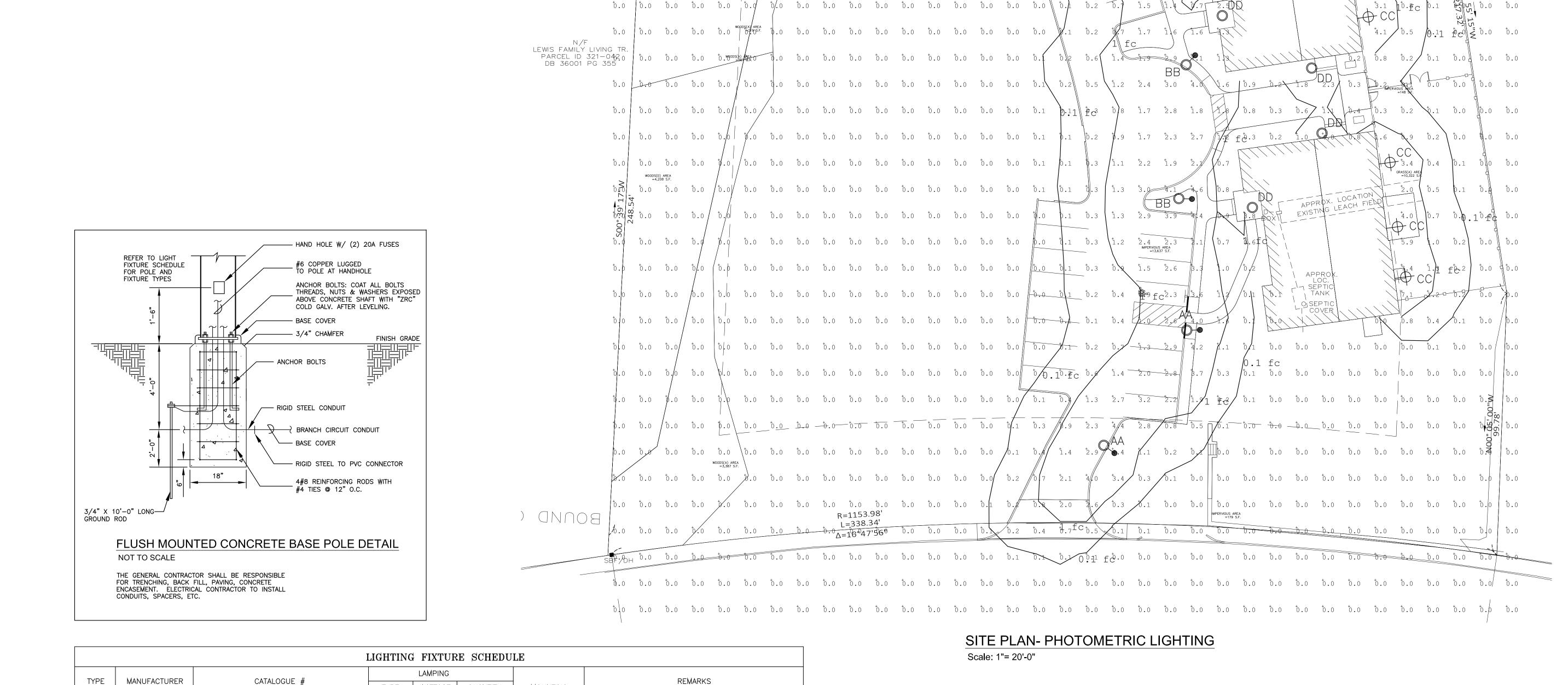
ULS

CC

DD

POLE

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING, BACK FILL, PAVING, CONCRETE ENCASEMENT. ELECTRICAL CONTRACTOR TO INSTALL CONDUITS, SPACERS, ETC.



SEIFERT PARCEL ID 327-013 DB 19012 PG 89

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PARCEL ID 322-030

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TYPE | WATTAGE | QUANTITY

52W

52W

38W

16W

LED

LED

LED

LED

ECM-E02-LED-E1-SL3-VA6154-XX-7030

ECM-E02-LED-E1-SL4-VA6154-XX-7030

WHS14-3000LM-DOME

HLB609930

RSA-4121

INVUE LIGHTING

INVUE LIGHTING

BARNLIGHT

HALO

ULS

BB

CC

DD

POLE

MOUNTING

MOUNTED ON 12'-0" POLE W/ FLUSH CONCRETE BASE

MOUNTED ON 12'-0" POLE W/ FLUSH CONCRETE BASE

4" O.D. ROUND 12'-0" POLE MOUNTED ON FLUSH BASE

WALL MOUNTED BARN LIGHT WITH ARM 9'-0" AFG

PORCH/CANOPY DOWNLIGHT

POLE

POLE

WALL

RECESSED

to.0 to.0 to.0 to.0 to.0 to.0

0.3 1.1 2.6

<sup>†</sup>0.2 <sup>−</sup><sup>†</sup>0.

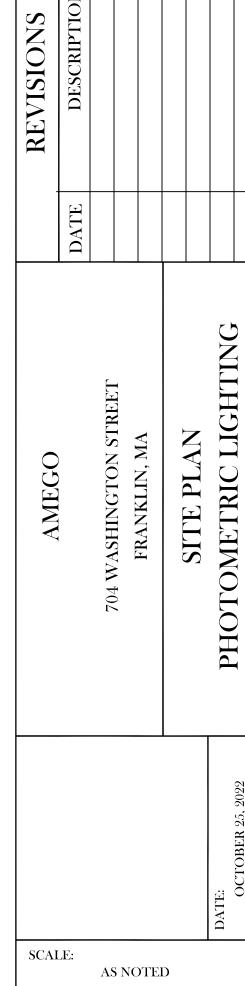
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DB 37226 PG 545

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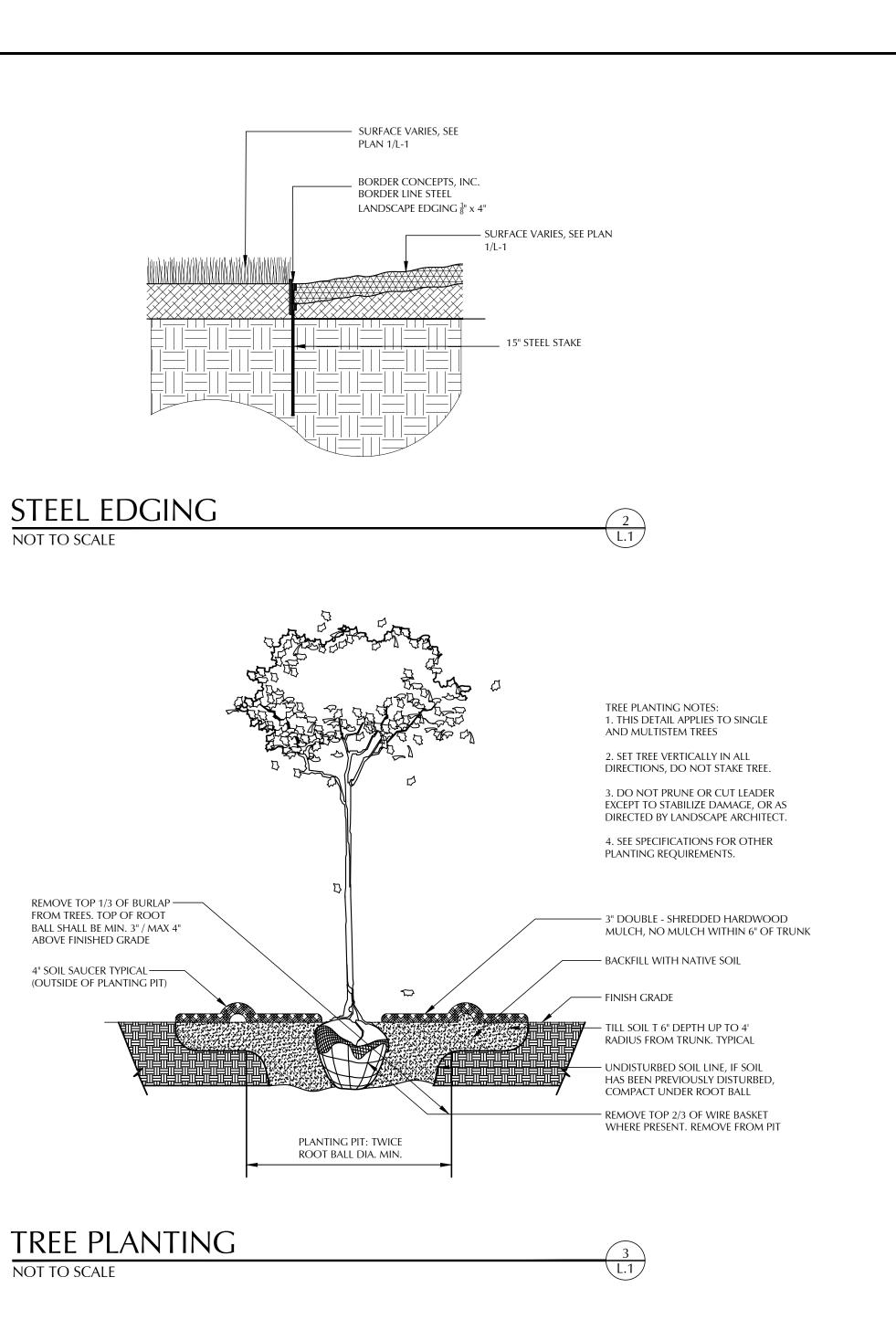
PROJECT No.

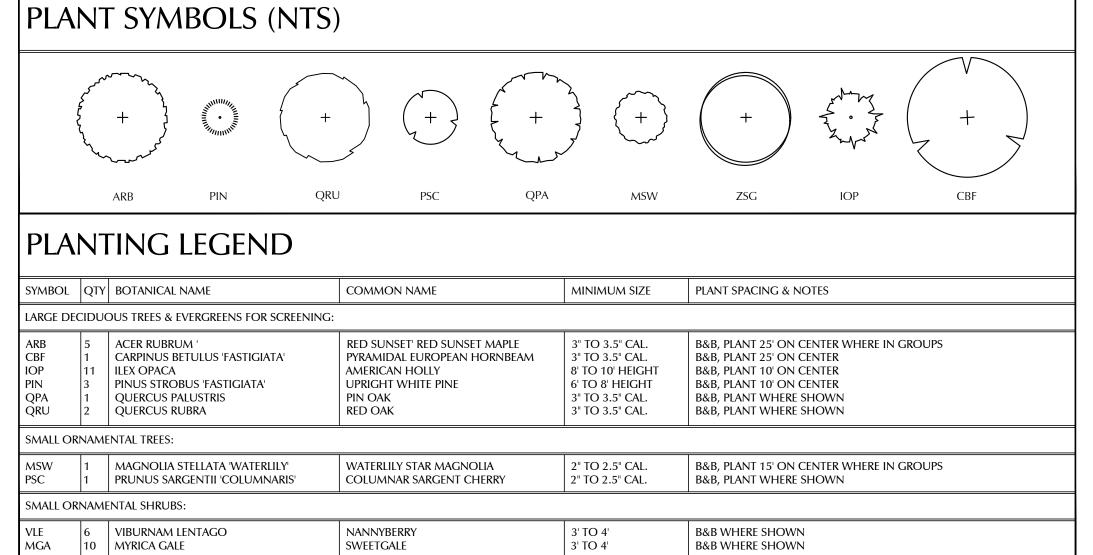
GCR

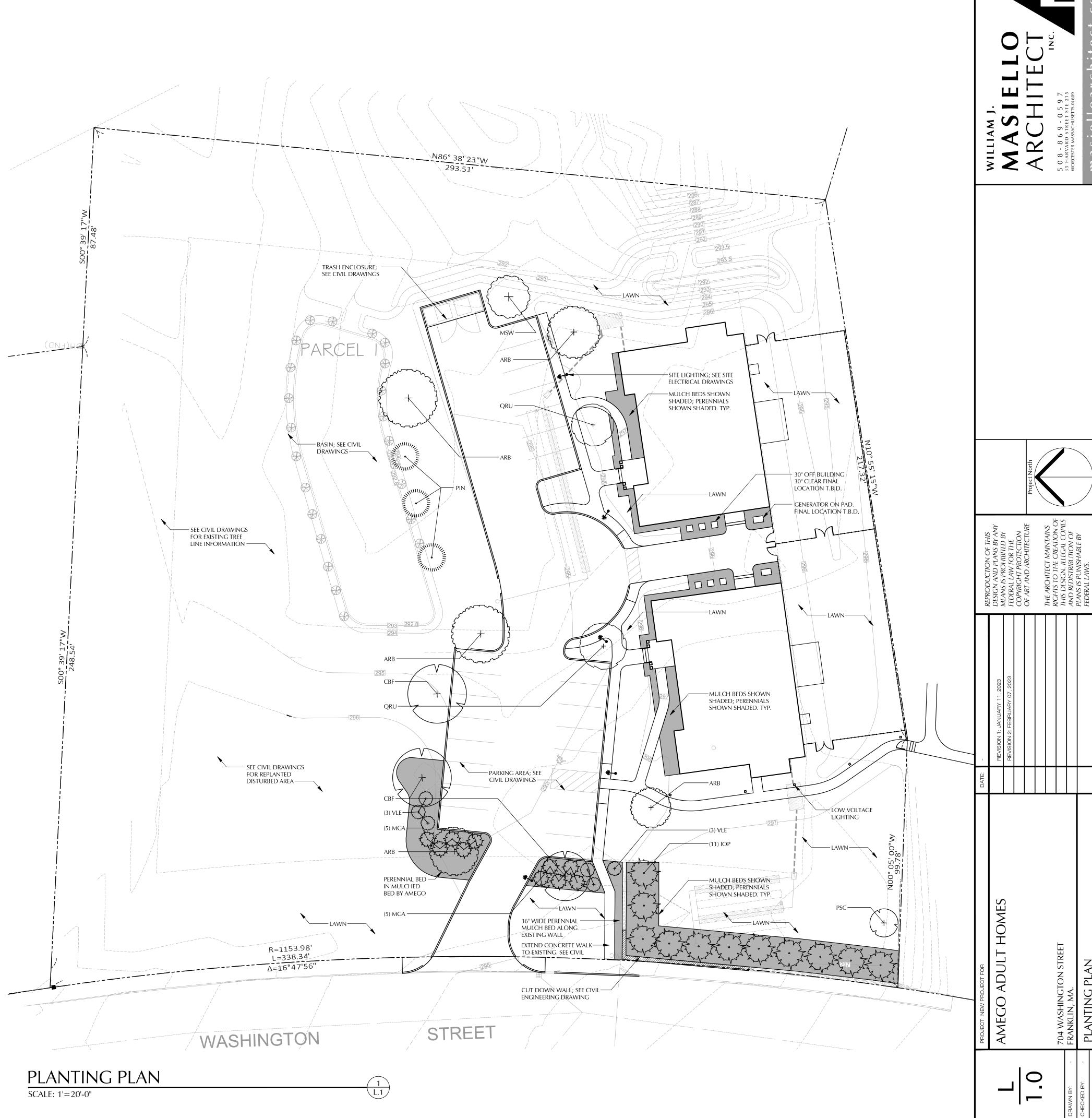
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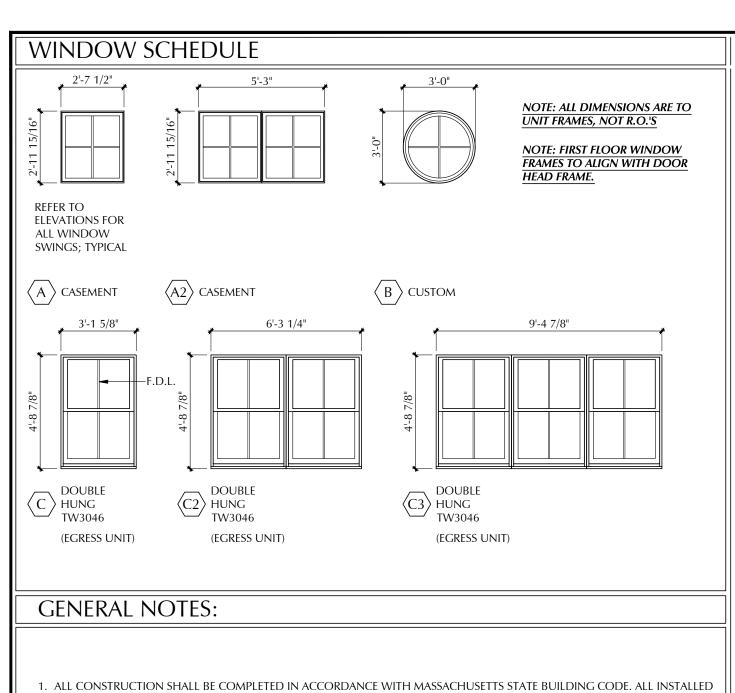
**ES.**2

SHEPHERD ELECTRIC









- 1. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH MASSACHUSETTS STATE BUILDING CODE. ALL INSTALLED UNITS SHALL COMPLY WITH THE STATE OF MASSACHUSETTS DEPT. BUILDING CODE. EGRESS UNITS BASED ON NATIONAL BUILDING CODE.
- SUBMIT WINDOW SHOP DRAWINGS TO ARCHITECT FOR APPROVAL. ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED
  BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AS SOON AS
  POSSIBLE
- 3. DRAWINGS ARE PREPARED AS A GUIDE TO THE CONTRACTOR. SOME CONDITIONS MAY NOT BE REPRESENTED ON THE DRAWINGS AND MAY REQUIRE FIELD CONFIRMATION AND MODIFICATION.
- 4. CONTRACTOR TO PROVIDE SHOP DRAWING SUBMITTAL FOR REVIEW BY ARCHITECT PRIOR TO ORDERING ANY UNITS. G.C. RESPONSIBLE FOR MODIFYING TRIM DIMENSIONS DUE TO ANY DIMENSIONAL CHANGES OF WINDOW UNITS, AND REVIEW THOSE WITH THE ARCHITECT.
- 5. PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE ADJACENT TO DOOR UNITS, TRANSOMS, IN STAIRWAYS AND WITHIN 18" OF FINISHED FLOOR.

#### 6. REFER TO DOOR SCHEDULE FOR ALL DOOR SIZES.

- 7. REFER TO ELEVATIONS FOR ALL CASEMENT & AWNING SWINGS AND FIXED UNITS.
- ALL DOORS TO BE INSTALLED BY G.C. WITH STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
   GENERAL CONTRACTOR (G.C.) TO ENSURE ALL OPENINGS ARE FLASHED, SEALED, & ALLOW WATER TO ESCAPE IN ORDER TO CREATE A WEATHERTIGHT OPENING AT EACH UNIT. CONDITIONS VARY.
- 10. ALL UNITS AND SIZES ARE BASED ON ANDERSON WINDOWS 400 SERIES, UNLESS NOTED OTHERWISE. G.C. RESPONSIBLE FOR COORDINATION OF SIZE CHANGES IF ARCHITECT APPROVES ALTERNATE BRAND SUBMISSION
- 11. "F.D.L." MEANS FULL DIVIDED LITE, WHICH INCLUDES APPLIED MUNTIN BARRS AT INTERIOR
- 12. DIMENSIONS ARE FRAME UNIT SIZES PROVIDED BY MANUFACTURER. REFER TO SHOP DRAWINGS AND INSTALLATION REQUIREMENTS FOR ROUGH OPENING DIMENSIONS
- 13. GANGED WINDOWS MAY REQUIRE JAMB SUPPORT, INCREASING OVERALL ROUGH OPENINGS. REFER TO MANUFACTURERS SHOP DRAWINGS AND INSTALLATION REQUIREMENTS PRIOR TO FRAMING

