

BELMONT HILL SCHOOL  
BELMONT, MA

JULY 27, 2022

DRAWING SET FOR PERMITTING  
DRAWING LIST

LANDSCAPE ARCHITECTURE		
SHEET NO.	SHEET TITLE	DATE SUBMITTED
xxxxx	EXISTING CONDITIONS PLAN:	07.27.22
xxxxx	EXISTING CONDITIONS PLAN:	07.27.22
CS-100	KEY PLAN	07.27.22
CS-002	NOTES AND LEGEND	07.27.22
CS-511	SITE DETAILS	07.27.22
CES-110	SITE PREP AND EROSION CONTROL PLAN 1	07.27.22
CES-120	SITE PREP AND EROSION CONTROL PLAN 2	07.27.22
CES-130	SITE PREP AND EROSION CONTROL PLAN 3	07.27.22
CES-140	SITE PREP AND EROSION CONTROL PLAN 4	07.27.22
C-511	SITE DETAILS	07.27.22
C-521	SITE PREP AND EROSION CONTROL DETAILS 1	07.27.22
CU-110	DRAINAGE AND UTILITIES PLAN 1	07.27.22
CU-120	DRAINAGE AND UTILITIES PLAN 2	07.27.22
CU-130	DRAINAGE AND UTILITIES PLAN 3	07.27.22
CU-140	DRAINAGE AND UTILITIES PLAN 4	07.27.22
CU-531	DRAINAGE AND UTILITY DETAILS 1	07.27.22
CU-532	DRAINAGE AND UTILITY DETAILS 2	07.27.22
CU-533	DRAINAGE AND UTILITY DETAILS 3	07.27.22
CU-534	DRAINAGE AND UTILITY DETAILS 4	07.27.22
TM101	TURNING MOVEMENTS - FIRETRUCK ENTER	07.27.22
TM102	TURNING MOVEMENTS - FIRETRUCK EXIT	07.27.22
TM103	MARSH STREET TURNING MOVEMENTS	07.27.22
LL-100	SITE LIGHTING PLAN	07.27.22
LL-110	SITE LIGHTING PLAN	07.27.22
LL-120	SITE LIGHTING PLAN	07.27.22
LL-130	SITE LIGHTING PLAN	07.27.22
LL-140	SITE LIGHTING PLAN	07.27.22
LL-501A	DETAILS 1	07.27.22
LL-501B	DETAILS 2	07.27.22
L-210	MATERIALS PLAN: ZAMBONI LOT	07.27.22
L-220	MATERIALS PLAN: UPPER LOT	07.27.22
L-230	MATERIALS PLAN: EAST LOT	07.27.22
L-240	MATERIALS PLAN: FACILITIES LOT	07.27.22
L-310	GRADING PLAN: ZAMBONI LOT	07.27.22
L-320	GRADING PLAN: UPPER LOT	07.27.22
L-330	GRADING PLAN: EAST LOT	07.27.22
L-340	GRADING PLAN: FACILITIES LOT	07.27.22
L-510	PLANTING PLAN: ZAMBONI LOT	07.27.22
L-520	PLANTING PLAN: UPPER LOT	07.27.22
L-530	PLANTING PLAN: EAST LOT	07.27.22
L-540	PLANTING PLAN: FACILITIES LOT	07.27.22
A1.0	SITE PLAN	07.27.22
A1.1	FLOOR PLANS	07.27.22
A1.2	ROOF PLAN	07.27.22
A3.1	EXTERIOR ELEVATIONS	07.27.22

REED-HILDERBRAND

LANDSCAPE ARCHITECTURE  
Reed Hilderbrand LLC  
130 Bishop Allen Dr.  
Cambridge MA 02139  
P 617 923 2422 F 617 923 3740  
www.reedhilderbrand.com

CLIENT  
BELMONT HILL SCHOOL  
350 PROSPECT STREET  
BELMONT, MA, 02478

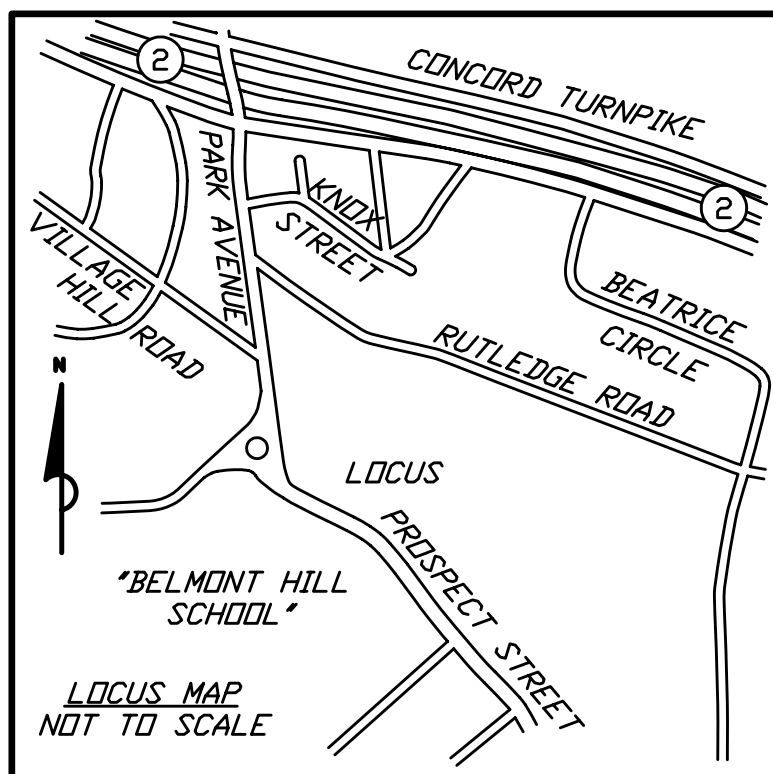
LANGAN

CIVIL ENGINEER  
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designLAB architects

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#### NOTES

- 1) ELEVATIONS REFER TO THE TOWN OF BELMONT DATUM AS DETERMINED BY GPS OBSERVATIONS AND AN OPUS REDUCTION PERFORMED ON DECEMBER 20, 2020.
- 2) THIS PLAN AND THE SURVEY ON WHICH IT IS BASED WERE PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND ARE SUBJECT TO THE FINDINGS SUCH A REPORT MAY DISCLOSE.
- 3) THE AREA SHOWN HEREON IS LOCATED IN ZONE X (UN-SHADED) AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 25017C0416E AND 25017C0418E, EFFECTIVE DATE JUNE 4, 2010.
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MASSACHUSETTS STATE PLANE  
COORDINATE SYSTEM

#### LEGEND

BIT CONC	BITUMINOUS CONCRETE
CB	CATCHBASIN
DMH	DRAIN MANHOLE
EMH	ELECTRIC MANHOLE
LP	LIGHT POLE
MH	MANHOLE
S	SIGN
TMH	TELEPHONE MANHOLE
UP	UTILITY POLE
---	OVERHEAD WIRE
---	STONE WALL

MARSH STREET  
(PUBLIC - 40' WIDE)

**FLOOD NOTE**  
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(UN-SHADED) AS SHOWN ON FLOOD INSURANCE  
RATE MAP NUMBER 25017C0416E AND  
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**BELMONT HILL SCHOOL**  
#350 PROSPECT STREET  
BELMONT, MA 02478

**TOPOGRAPHIC PLAN**  
IN  
**BELMONT, MA**  
(MIDDLESEX COUNTY)

SCALE: 1"= 20' DATE: DECEMBER 23, 2020  
REVISED: DECEMBER 16, 2021

0 20 40 60 80 ft

Precision Land Surveying, Inc.  
32 Turnpike Road  
Southborough, Massachusetts 01772

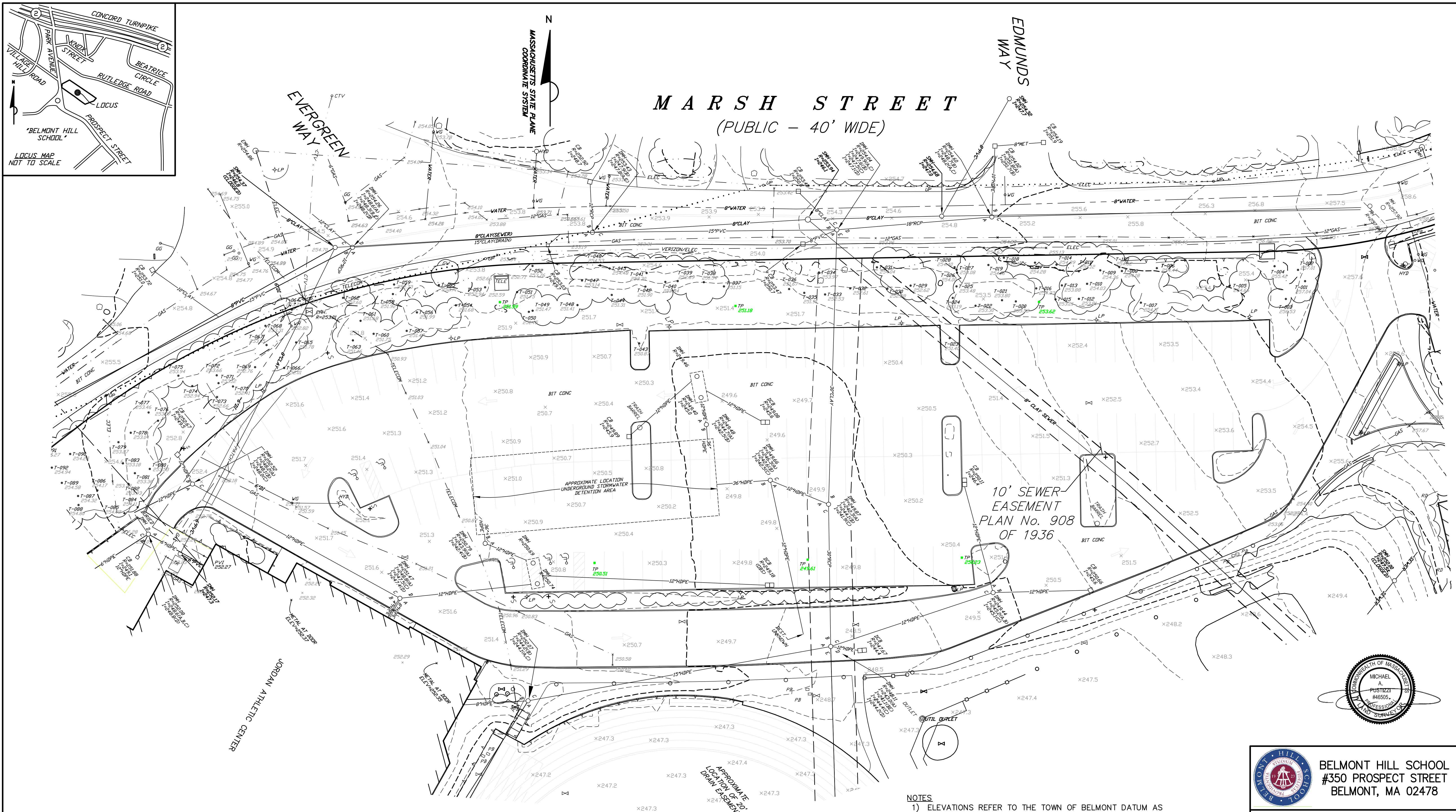
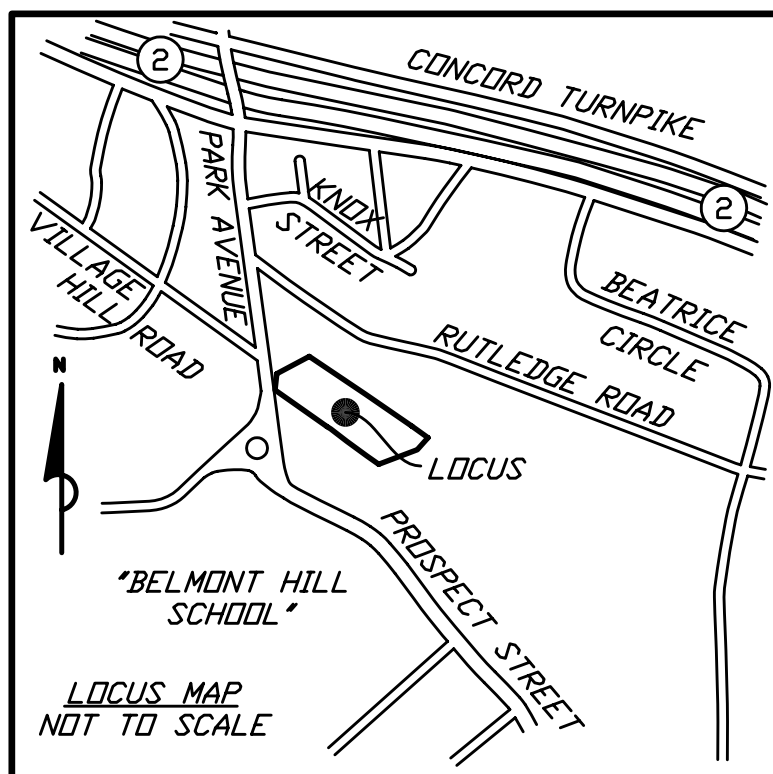
TELE NO.: (508) 460-1789 FAX NO.: (508) 970-0096  
SHEET 1 OF 7 395911TP1.DWG



UNDERGROUND UTILITIES WERE COMPILED IN SELECT AREAS ONLY AND ARE FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. BEFORE DESIGN AND CONSTRUCTION CALL "DIG SAFE" 1-888-344-7233. SOME DATA IS CONFLICTING AND CAN ONLY BE VERIFIED BY EXCAVATION.







LEGEND	
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CB	CATCHBASIN
DMH	DRAIN MANHOLE
EMH	ELECTRIC MANHOLE
LP	LIGHT POLE
MH	MANHOLE
S	SIGN
TMH	TELEPHONE MANHOLE
UP	UTILITY POLE
	OVERHEAD WIRE
	STONE WALL

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**#350 PROSPECT STREET**  
**BELMONT, MA 02478**

**TOPOGRAPHIC PLAN**  
**IN**  
**BELMONT, MA**  
**(MIDDLESEX COUNTY)**

SCALE: 1"= 20' DATE: DECEMBER 23, 2020  
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0 20 40 60 80 ft  
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SHEET 2 OF 7 395911TP1.DWG





#### NOTES

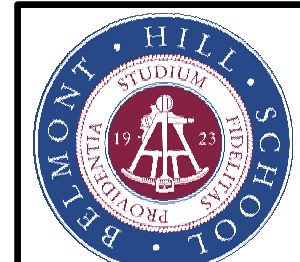
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DMH	DRAIN MANHOLE
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#### TOPOGRAPHIC PLAN IN BELMONT, MA (MIDDLESEX COUNTY)

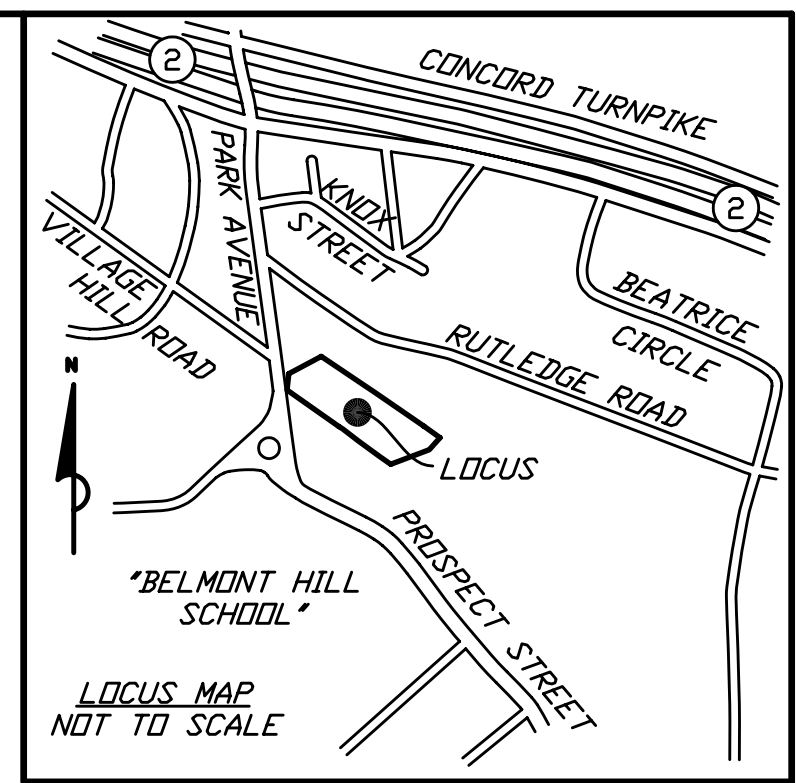
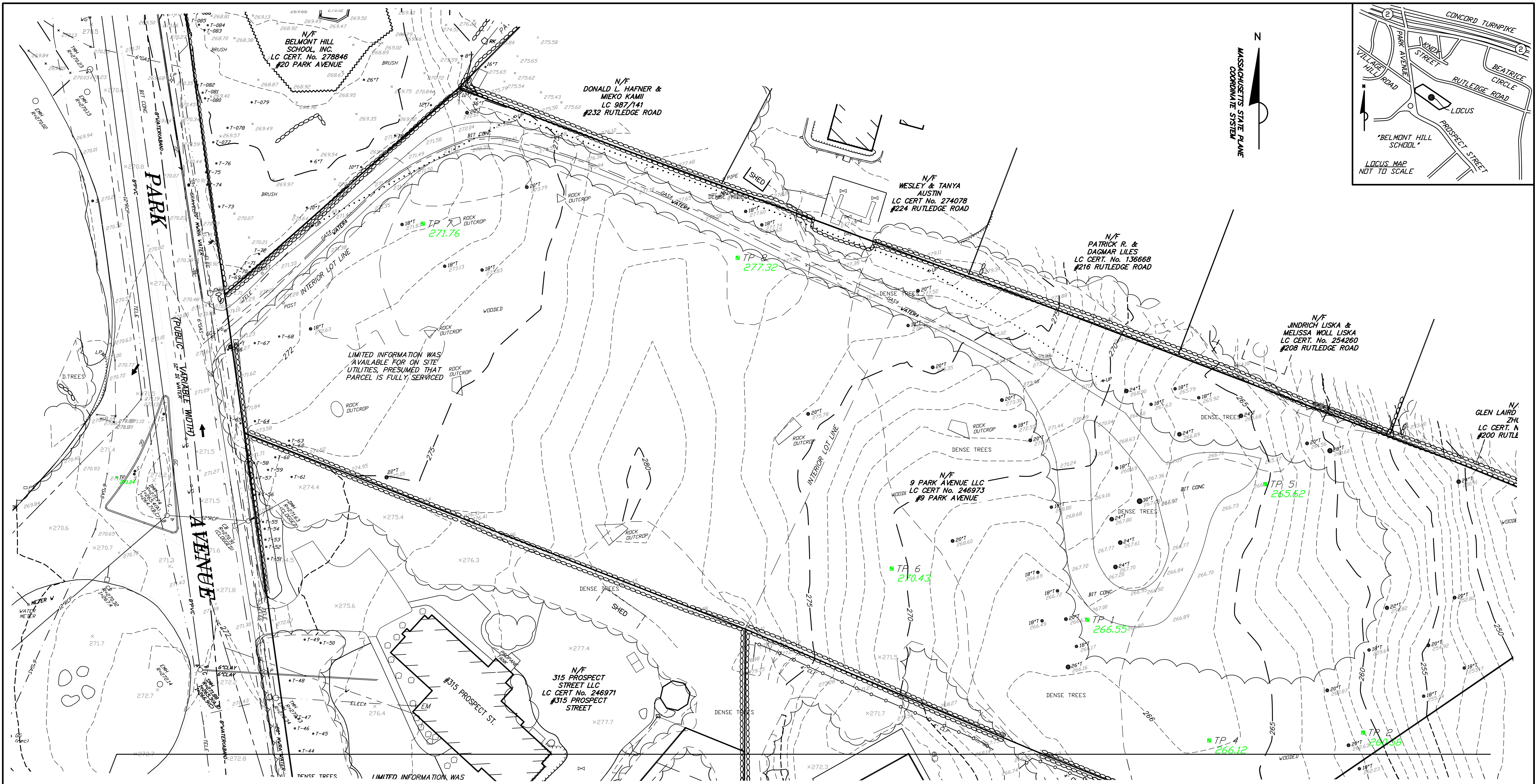
SCALE: 1"= 20' DATE: DECEMBER 23, 2020  
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SHEET 3 OF 7 395911TP1.DWG








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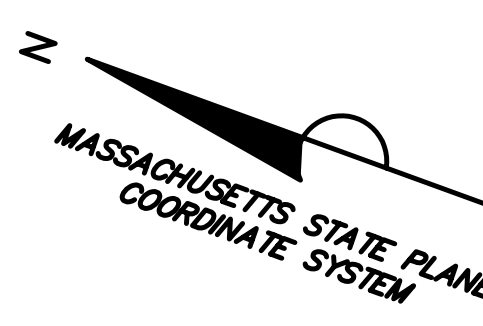
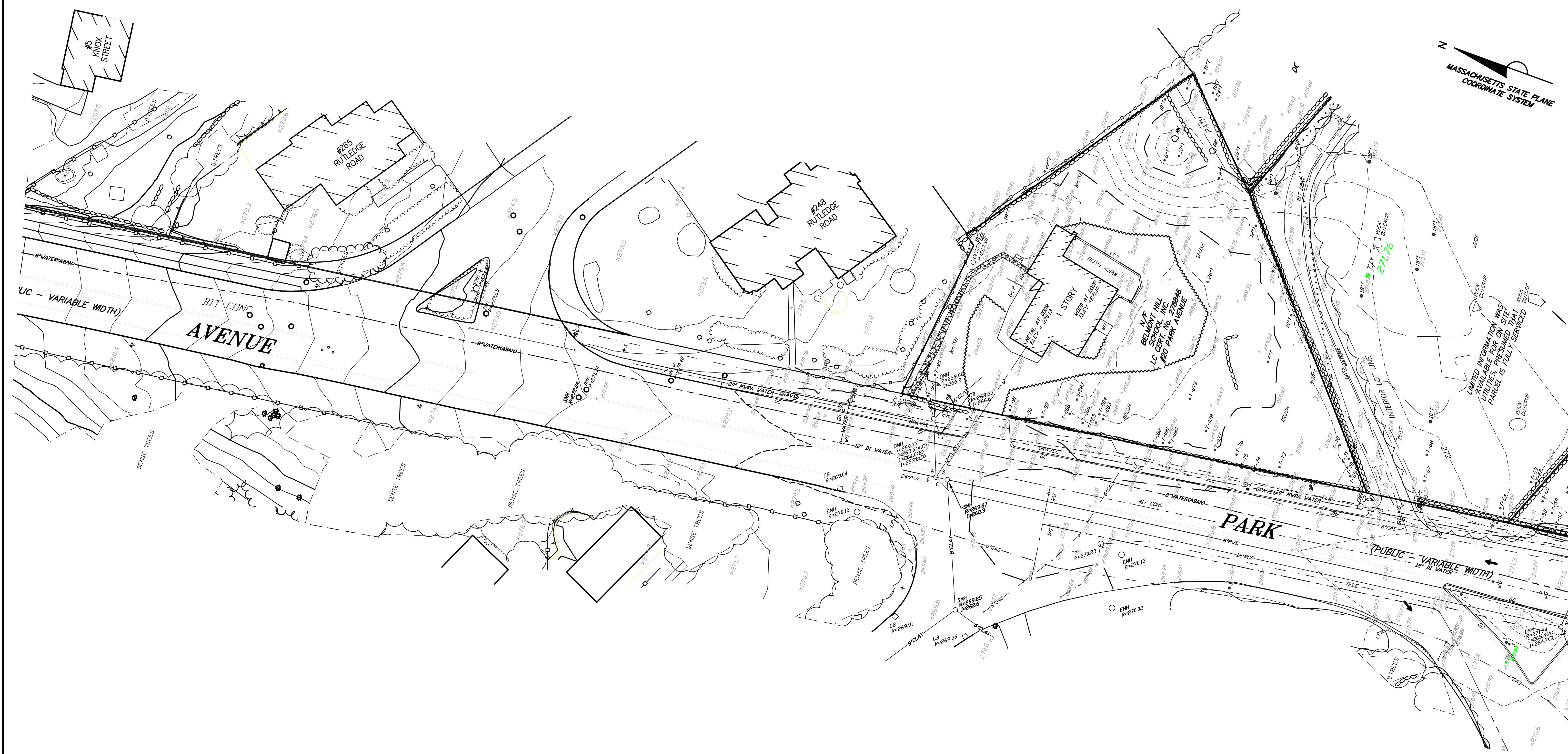
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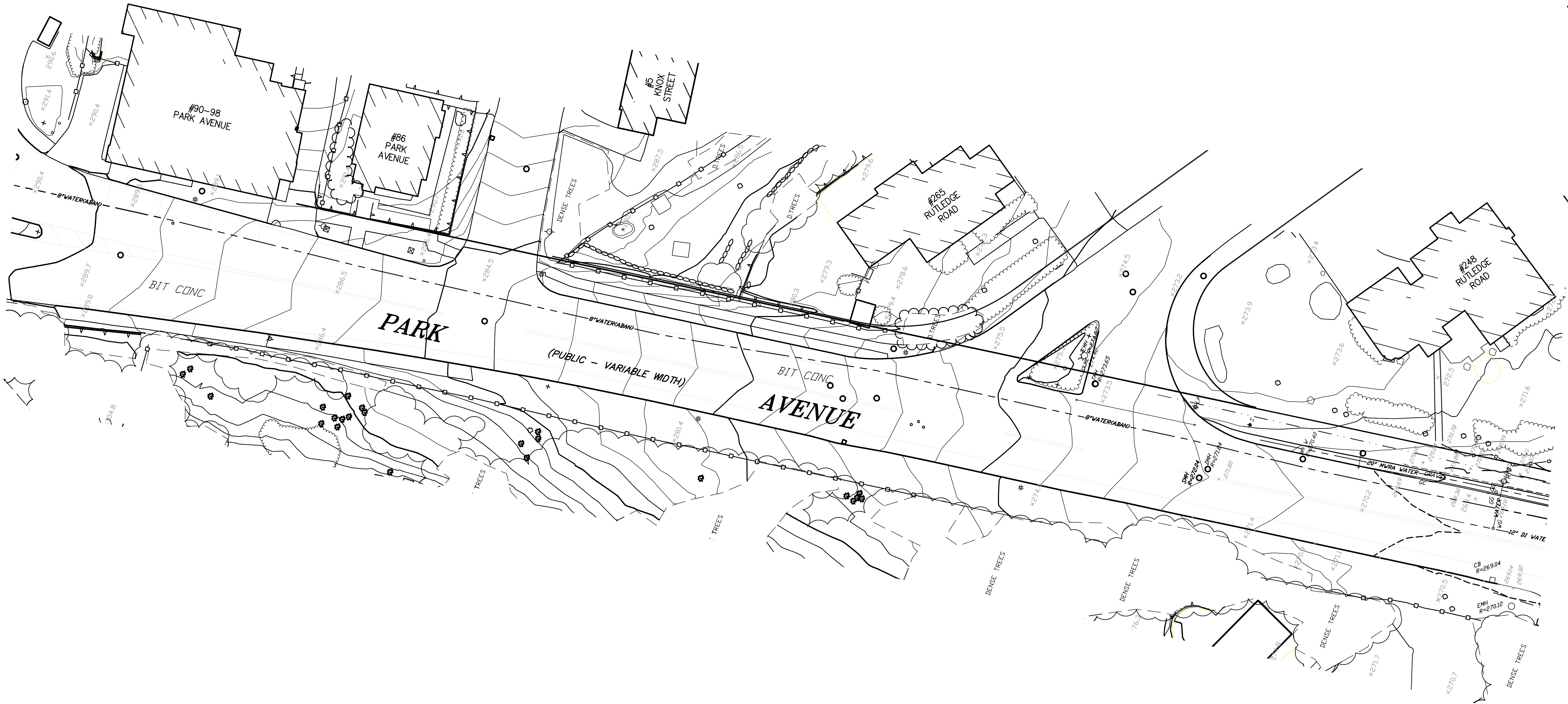
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0    20    40    60    80 ft

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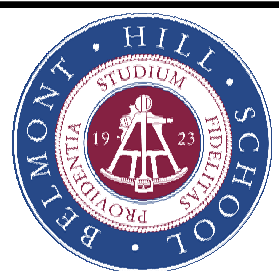
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**LEGEND**

- |          |                     |
|----------|---------------------|
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| CB       | CATCHBASIN          |
| DMH      | DRAIN MANHOLE       |
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| MH       | MANHOLE             |
| S        | SIGN                |
| TMH      | TELEPHONE MANHOLE   |
| UP       | UTILITY POLE        |
| ---      | OVERHEAD WIRE       |
| ---      | STONE WALL          |



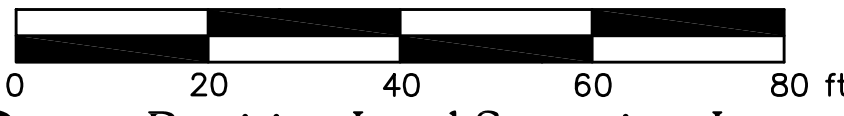
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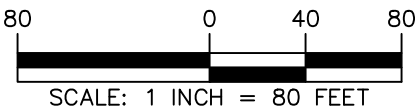
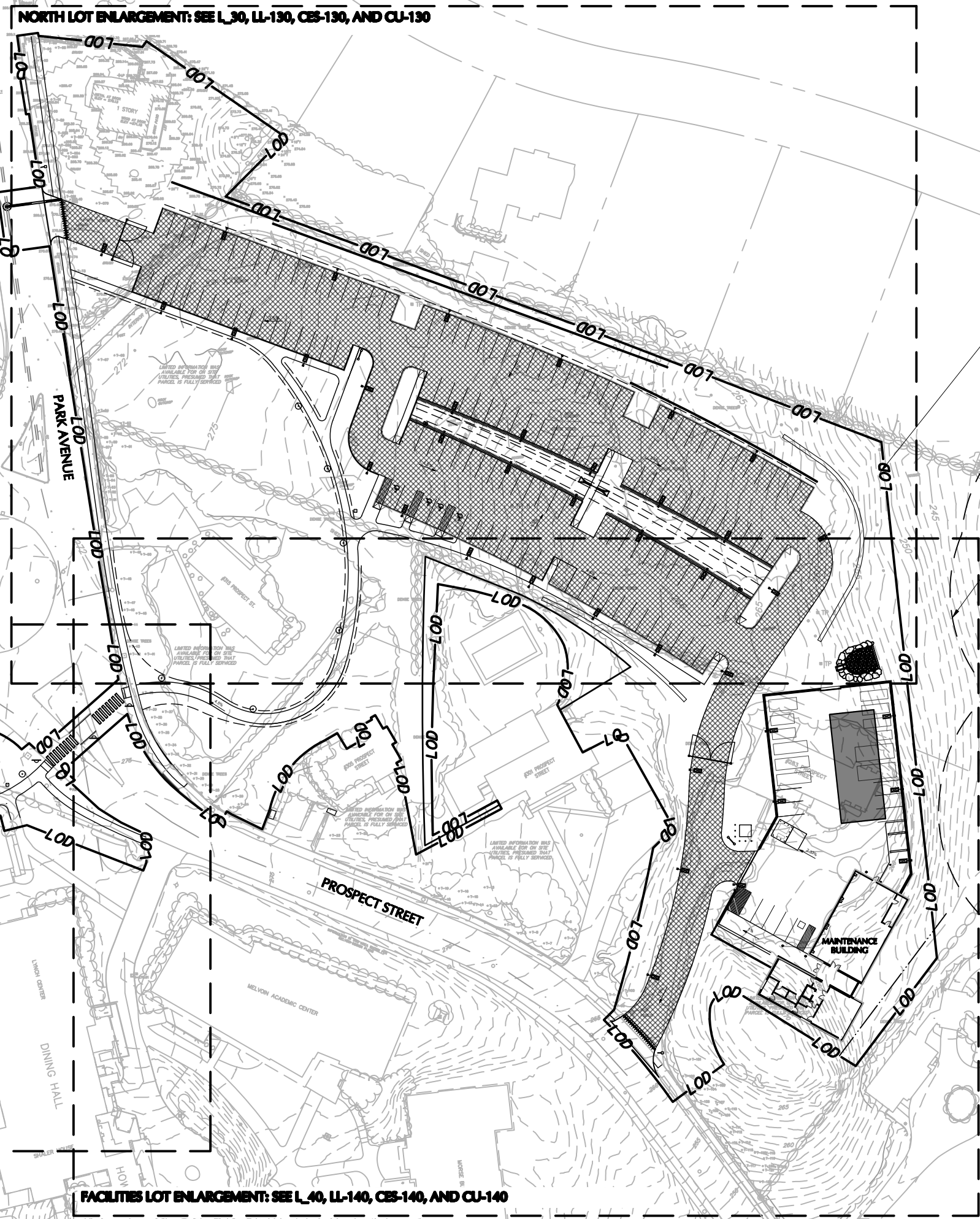
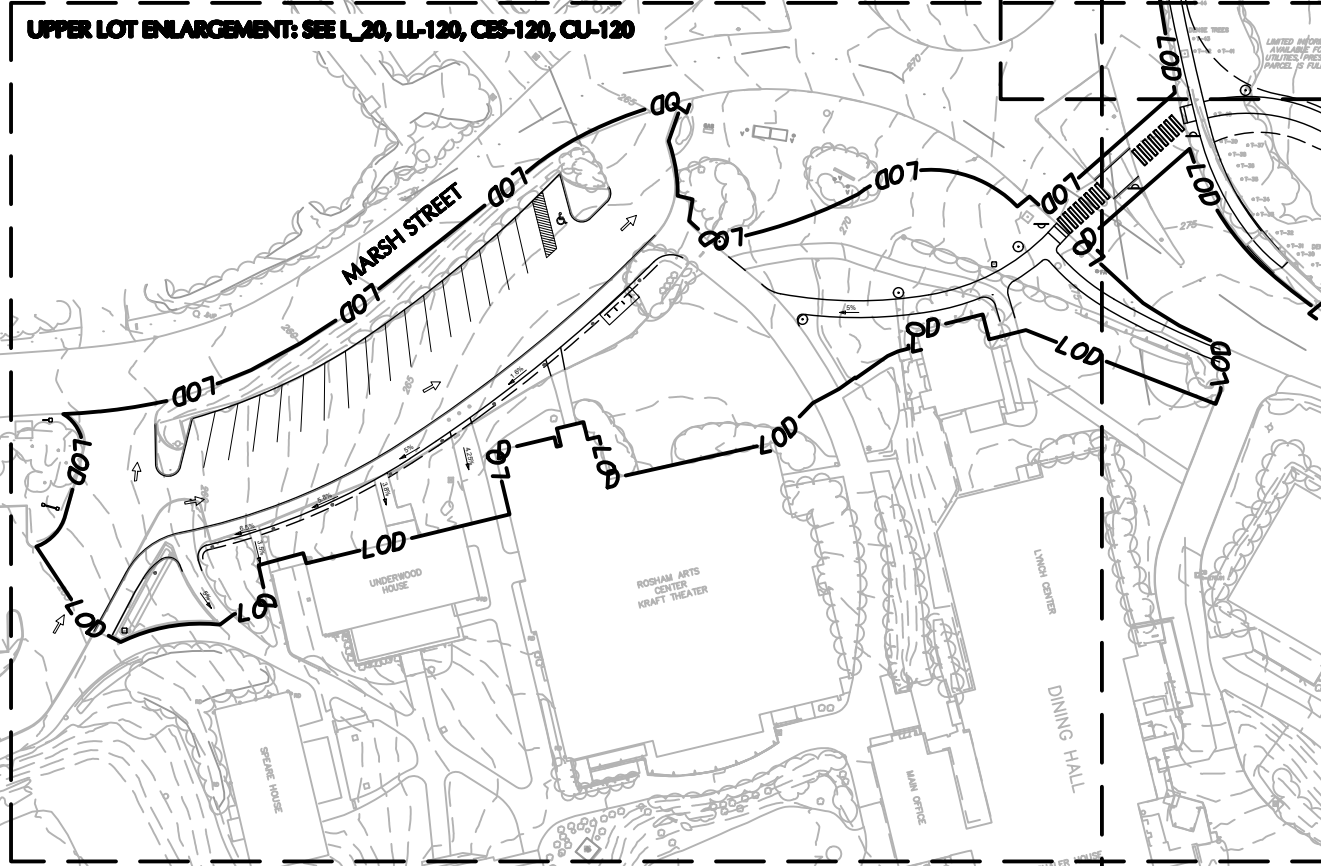
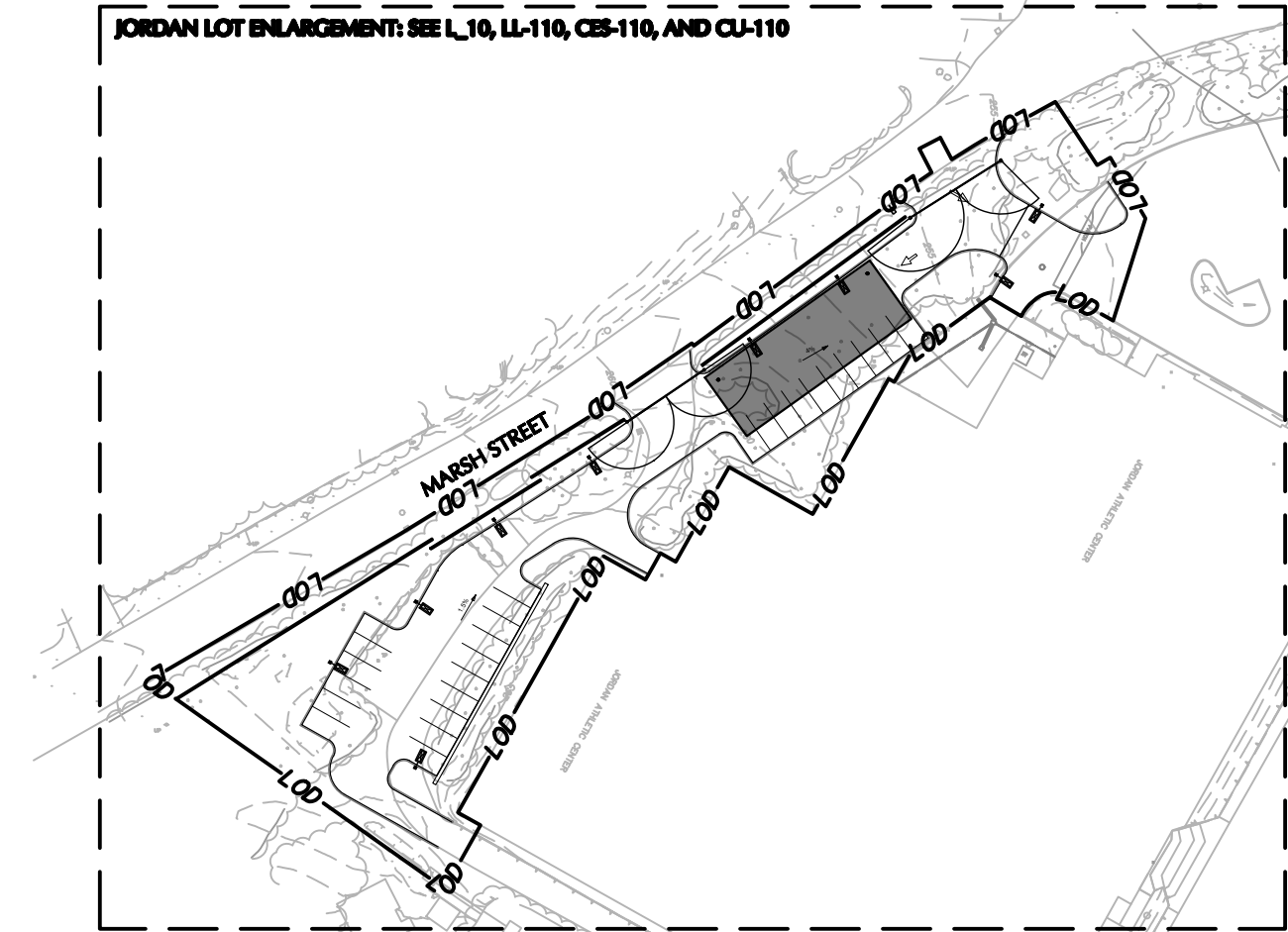
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SHEET 7 OF 7 395911TP1.DWG





FOR PERMITTING ONLY. NOT FOR CONSTRUCTION.

ZONING REQUIREMENTS PER 4.2				
DISTRICT	SINGLE RESIDENTIAL SR-A –OTHER			
		REQUIRED	EXISTING	FUTURE PROVIDED
EAST CAMPUS				
MINIMUM LOT AREA	SQ FT	25,000	NA	307,748
MINIMUM LOT FRONTAGE	FT	125	NA	160
MAXIMUM LOT COVERAGE	% OF LOT	20%	NA	5%
MINIMUM OPEN SPACE	% OF LOT	50%	NA	66%
MINIMUM SET BACK DIMENSION	FRONT	30	NA	79
	REAR	25	NA	277
	SIDE (EAST)	15	NA	19
	SIDE (WEST)	15	NA	540
MAXIMUM BLDG HEIGHT	FT	36	NA	27
	STORIES	2 1/2	NA	2
MAIN CAMPUS				
MINIMUM LOT AREA	SQ FT	25,000	1,299,830	1,299,830
MINIMUM LOT FRONTAGE	FT	125	2,063	2,063
MAXIMUM LOT COVERAGE	% OF LOT	20%	12%	12%
MINIMUM OPEN SPACE	% OF LOT	50%	76%	76%
MINIMUM SET BACK DIMENSION	FRONT	30	NA – NO NEW STRUCTURES PROPOSED	
	REAR	25		
	SIDE (EAST)	15		
	SIDE (WEST)	15		
MAXIMUM BLDG HEIGHT	FT	36		
	STORIES	2 1/2		
THE SITE IS LOCATED WITHIN A ZONE OF MINIMAL FLOOD HAZARD, ZONE X AND AS SUCH IS NOT LOCATED WITH THE FLOODPLAIN DISTRICT (PANEL NUMBER 25017C0418E EFF JUNE 4, 2010)				



BELMONT HILL  
SCHOOL  
BELMONT, MA

**LANGAN**  
Langan Engineering and Environmental  
Services Inc.  
100 Cambridge Street, Suite 1310  
Boston, MA  
T: 617.824.9100 F: 617.824.9101 www.langan.com

Revisions		
Number	Date	Description

Job number 151021201  
Drawn by **KH, JW** Checked by **HH, FH**  
Scale **1"=80'** Date **07/27/2022**

Stamp  
  
Sheet Title

KEY PLAN

Sheet Number

CS-100



GENERAL CIVIL NOTES

1. PLANIMETRIC AND TOPOGRAPHIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY PRECISION LAND SURVEYING, INC. THE EXISTING CONDITIONS SHOWN HERE ARE FROM SURVEY DATA UPDATED THROUGH 03/23/2022.

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2. WETLANDS DELINEATED BY LEC ENVIRONMENTAL CONSULTANTS AND LOCATED BY PRECISION LAND SURVEYING, INC.

3. PROPOSED SITE WORK IMPROVEMENTS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE TOWN OF BELMONT. IN THE ABSENCE OF LOCAL STANDARDS, SITE WORK SHALL CONFORM TO THE REQUIREMENTS OF MASSACHUSETTS DOT STANDARD DETAILS.

4. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE (WWW.DIGSAFE.COM), EXCAVATION TEST HOLES, PERFORMING TEST BORINGS, AND PERFORMING WHATEVER ADDITIONAL INVESTIGATION NECESSARY TO PROTECT AND MAINTAIN ALL EXISTING UTILITIES TO REMAIN THROUGHOUT THE CONSTRUCTION PERIOD. ANY CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED UTILITIES DISCOVERED DURING CONSTRUCTION SHALL BE PROMPTLY REPORTED TO THE PROJECT ENGINEER.

5. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS AND DETAILS OF ALL DOORS, RAMPS, SIDEWALKS AND WALLS ASSOCIATED WITH THE BUILDING.

6. ALL IMPROVEMENTS CONSTRUCTED IN THE TOWN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO TOWN OF BELMONT STANDARD DETAILS. IN THE ABSENCE OF LOCAL DETAILS & REQUIREMENTS AND WORK IN THE STATE RIGHT-OF-WAY SHALL COMPLY WITH THE STATE OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (2021 EDITION) AND THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL SPECIFICATIONS (DATED SEPTEMBER 30, 2021).

7. FOR AREAS OUTSIDE THE PROPERTY LINES, REPAIR AND/OR REPLACE ALL DAMAGE DONE TO EXISTING ELEMENTS (SIDEWALKS, PAVING, LANDSCAPING, ETC) AS REQUIRED BY OWNER AND/OR GOVERNING AUTHORITY.

8. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE MUTCD AND MASSACHUSETTS DEPARTMENT OF TRANSPORTATION REGULATIONS.

9. ABBREVIATIONS:  
ARCH. = ARCHITECTURAL  
AD = AREA DRAIN  
BC = BOTTOM OF CURB  
BW = BOTTOM OF WALL  
CB = CATCH BASIN  
CLDI = CONCRETE LINED DUCTILE IRON  
CO = CLEAN OUT  
CONC. = CONCRETE  
DCB = DOUBLE CATCH BASIN  
DMH = DRAIN MANHOLE  
EMH = ELECTRIC MANHOLE  
EX. = EXISTING  
FES = FLAIED END SECTION  
FFE = FINISHED FLOOR ELEVATION  
GR = GRADE  
HDPE = HIGH DENSITY POLYETHYLENE PIPE  
HH = HANDHOLE  
HP = HIGHPOINT  
INV = INVERT  
LA = LANDSCAPED AREA  
LF = LINEAR FEET  
LP = LOW POINT  
MH = MANHOLE  
NTS = NOT TO SCALE  
OCS = OUTLET CONTROL STRUCTURE  
PR. = PROPOSED  
PVC = POLYVINYL CHLORIDE PIPE (SDR-35)  
RCP = REINFORCED CONCRETE PIPE  
RET. = RETAINING  
RL = ROOF LEADER  
R.O.W = RIGHT OF WAY  
R&D = REMOVE & DISPOSE  
R&R = REMOVE & RESET  
R&S = REMOVE & SALVAGE  
SSMH = SANITARY SEWER MANHOLE  
TF = TOP OF FRAME  
TC = TOP OF CURB  
TW = TOP OF WALL  
TYP. = TYPICAL  
VIF = VERIFY IN FIELD  
WQS = WATER QUALITY STRUCTURE

SITE PREP, DEMO & EROSION NOTES

1. CLEAR AND GRUB ALL EXISTING PLANTED AREAS WITHIN THE LIMITS OF GRADING. STOCKPILE TOPSOIL FOR REUSE.

2. SOIL AND SEDIMENT CONTROL PRACTICES MUST BE INSTALLED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITY, THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES AND THE MASSACHUSETTS STORMWATER STANDARDS.

3. CONTRACTOR SHALL PREVENT DUST, SEDIMENT AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS. ADJOINING STREETS AND PROPERTIES TO BE KEPT FREE OF DEBRIS RESULTING FROM DEMOLITION AND SHALL BE CLEANED ON A DAILY BASIS OR AS NEEDED.

4. CONTRACTOR SHALL MAINTAIN THE INFILTRATION CAPACITY OF SUBGRADE WITHIN THE FOOTPRINT OF THE INFILTRATION FACILITIES. CONTRACTOR SHALL PREVENT EXCESSIVE SILT AND SEDIMENT BUILDUP AND EXCESSIVE LOADING IN THESE AREAS. IF THE INFILTRATION CAPACITY OF THESE AREAS IS COMPROMISED, THE CONTRACTOR SHALL AMEND OR MODIFY THE SUBGRADE TO RESTORE CAPACITY.

5. EXISTING TREES TO REMAIN WITHIN THE LIMIT OF WORK ARE TO BE PROTECTED. TREE PROTECTION FENCING TO BE 6' TALL CHAIN LINK FENCE AND TO BE SET UP AT DRIP LINE OF EXISTING TREES OR EXTENT OF CRITICAL ROOT ZONE, WHICHEVER IS GREATER. EXISTING TREES AND SHRUBS TO REMAIN SHALL NOT BE ALTERED UNDER ANY CIRCUMSTANCES UNLESS REVIEWED BY THE LANDSCAPE ARCHITECT AND MUST REMAIN IN THE SAME CONDITION AS OBSERVED PRIOR TO CONSTRUCTION.

6. TREE AND SHRUB REMOVAL SHALL INCLUDE THE FELLING, CUTTING, GRUBBING OUT OF ROOTS, AND SATISFACTORY OFF-SITE DISPOSAL OF ALL STUMPS AND VEGETATIVE AND EXTRANEOUS DEBRIS PRODUCED THROUGH THE REMOVAL OPERATIONS.

7. NO HEAVY MACHINERY IS TO BE USED WITHIN THE CRITICAL ROOT ZONES OF EXISTING TREES. EXCAVATION WITHIN CRITICAL ROOT ZONE IS TO BE PERFORMED BY HAND. REVIEW ALL WORK PROPOSED WITHIN THE CRITICAL ROOT ZONE WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

8. ALL EXISTING UTILITIES NOT IDENTIFIED AS TO BE REMOVED ARE TO BE PROTECTED. ALL VALVE BOXES, FRAMES, GRATES AND COVERS SHALL BE ADJUSTED TO FINISHED GRADE AS REQUIRED.

9. DUST CONTROL TREATMENTS SHALL BE APPLIED AS NECESSARY TO CONTROL AND REDUCE THE AMOUNT OF DUST WHICH MAY CAUSE OFF-SITE DAMAGE, BE A HEALTH HAZARD TO HUMANS, WILDLIFE AND PLANT LIFE, OR POSE A HAZARD TO TRAFFIC SAFETY.

10. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO START OF DEMOLITION AND CONSTRUCTION AND DISTURBANCE OF SITE. CONTRIBUTORY DRAINAGE AREAS, THE OWNER OR ITS CONTRACTOR SHALL INSPECT, REPAIR AND REMOVE ALL SEDIMENT AND EROSION CONTROL DEVICES, AS INDICATED HEREIN. ALL EARTH CHANGES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED IN SUCH A MANNER SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST POSSIBLE PERIOD OF TIME.

11. DISPOSAL OF COLLECTED SEDIMENT SHALL BE MADE TO AREA DESIGNATED BY THE OWNER'S SOIL ENGINEER.

12. FILTER FABRIC/SILT FENCE WILL BE INSTALLED ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.

13. ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING/LANDSCAPED AREAS SHALL BE REMOVED FROM THE SITE IMMEDIATELY, IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL LAW. ALL TOPSOIL TO BE USED IN LANDSCAPED AREAS SHALL BE STORED/STOCKPILED IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL LAW STANDARDS.

14. ALL STORM DRAINAGE OUTLETS MUST BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.

15. SILT FENCES AND BARRIERS MUST BE CLEANED OR REPLACED PERIODICALLY TO REMOVE BUILT-UP SILT.

16. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED ON A DAILY BASIS AND CLEANED IMMEDIATELY AFTER EACH STORM.

17. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED FOR THE CONVEYANCE OF WATER AROUND, THROUGH, OR FROM THE EARTH CHANGE AREA SHALL BE DESIGNED TO LIMIT THE WATER FLOW TO A NON-EROSIVE VELOCITY.

18. THE CONTRACTOR SHALL CORRECT ANY OMISSIONS, ERRORS, OR FIELD OPERATIONS IMMEDIATELY AND IN ACCORDANCE WITH THE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

19. SEDIMENT DISPOSAL AREAS AND TOPSOIL STOCKPILES NOT SCHEDULED FOR CONSTRUCTION ACTIVITIES WITHIN THIRTY (30) DAYS OF DISTURBANCE SHALL BE STABILIZED AS FOLLOWS:

A. SOIL AMENDMENTS AS NECESSARY.

B. ANNUAL RYE GRASS SEEDING APPLIED AT A RATE OF NOT LESS THAN 1 LB. PER 1,000 SF.

C. MULCH ALL NEWLY SEEDED AREAS WITHIN 80 LBS. OF SALT HAY OR SMALL GRAIN STRAW PER 1,000 SF.

D. WHEN DISTURBED AREAS ARE SCHEDULED FOR IMMEDIATE LANDSCAPING THEY MAY BE MULCHED AND SEEDED PER ITEM C ABOVE.

STORM DRAINAGE NOTES

1. ALL STORM DRAINAGE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS/DETAILS OF THE TOWN OF BELMONT AND IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ORDINANCES/REQUIREMENTS GOVERNING THE PROPOSED WORK.

2. THE LOCATION OF EXISTING UNDERGROUND STORM DRAINAGE INFRASTRUCTURE SHOWN HEREON IS TAKEN FROM DESIGN PLANS, AS-BUILT SKETCHES, LIMITED PHYSICAL EXPLORATION AND OTHER SOURCES OF INFORMATION AND IS NOT TO BE CONSTRUED AS AN ACCURATE "AS-BUILT" SURVEY AND IS SUBJECT TO SUCH CORRECTIONS THAT A MORE ACCURATE SURVEY MAY DISCLOSE.

3. THE EXISTING STORM DRAINAGE INDICATED HEREON MAY NOT BE LOCATED AS SHOWN. ANY DISCREPANCIES DISCOVERED DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPORTED TO THE PROJECT ENGINEER.

4. RESET ALL EXISTING STORM DRAINAGE STRUCTURES TO MASSACHUSETTS STATE STANDARDS AND AS REQUIRED BY REPAIRING, MILLING OR OVERLAYING ALL PROPOSED STORM DRAINAGE PIPING TO UTILIZE WATER-TIGHT JOINTS.

5. CLEANOUTS SHALL BE PROVIDED FLUSH TO GRADE AT ALL LOCATIONS OF ROOF DRAIN INTERSECTIONS, BENDS AND UPSTREAM ENDS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SIZING ALL DRAINAGE STRUCTURES AND SUBMITTING SHOP DRAWINGS TO ENGINEER FOR REVIEW.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PAVEMENT REPAIRS REQUIRED AS A RESULT OF ANY STORMWATER WORK.

8. THE CONTRACTOR SHALL COORDINATE REQUIRED INSPECTIONS WITH THE OFFICE OF COMMUNITY DEVELOPMENT PRIOR TO BACKFILLING OF CONNECTIONS TO TOWN OF BELMONT STORM SEWERS.

UTILITIES NOTES

1. ALL UTILITY WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS/DETAILS OF THE UTILITY COMPANY HAVING AUTHORITY OVER THE PROPOSED WORK. ALL PROPOSED UTILITY WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ORDINANCES/REQUIREMENTS GOVERNING THE PROPOSED WORK.

2. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN HEREON IS TAKEN FROM DESIGN PLANS, AS-BUILT SKETCHES, EXISTING UTILITY COMPANY RECORDS, AND OTHER SOURCES OF INFORMATION AND IS NOT TO BE CONSTRUED AS AN ACCURATE "AS-BUILT" SURVEY AND IS SUBJECT TO SUCH CORRECTIONS THAT A MORE ACCURATE SURVEY MAY DISCLOSE.

3. THE EXISTING UTILITIES INDICATED HEREON MAY NOT BE LOCATED AS SHOWN. IN ADDITION, OTHER UTILITIES NOT SHOWN HEREON MAY BE PRESENT. ANY DISCREPANCIES DISCOVERED DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPORTED TO THE PROJECT ENGINEER.

4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ANY DISCREPANCIES DISCOVERED DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPORTED TO THE PROJECT ENGINEER.

5. ANY UTILITY EASEMENTS REQUIRED BY ANY OF THE VARIOUS UTILITY COMPANIES SHALL BE OBTAINED, EXECUTED, AND RECORDED PRIOR TO ANY OF THE AFFECTED UTILITY WORK BEING PERFORMED.

6. ALL PROPOSED UTILITIES WILL BE LOCATED UNDERGROUND UNLESS OTHERWISE NOTED.

7. RESET ALL EXISTING UTILITY INFRASTRUCTURE, INCLUDING SANITARY MANHOLE STRUCTURES, VALVE BOXES AND VAULTS, TO PROPOSED FINISHED GRADE IN ACCORDANCE WITH MASSACHUSETTS STATE STANDARDS AND AS REQUIRED BY IMPROVEMENTS, REPAIRING, MILLING OR OVERLAYING.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PAVEMENT REPAIRS REQUIRED AS A RESULT OF ANY UTILITY WORK.THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF THE DOMESTIC AND FIRE SERVICE LINE CONNECTIONS TO EXISTING MAINS.

9. TEST PITS ARE TO BE PERFORMED PRIOR TO INSTALLATION OF DOMESTIC AND FIRE SERVICE LINE CONNECTIONS TO CONFIRM THE SIZE AND MATERIAL OF THE MAIN.

10. TAPPING SLEEVES AND GATE VALVE ASSEMBLIES SHALL BE INSTALLED AT EACH DOMESTIC AND FIRE SERVICE LINE CONNECTION AND SHALL BE MANUFACTURED BY CLOW VALVE CO., MUELLER CO., OR AMERICAN VALVE AND HYDRANT.

11. SCHEDULING OF ALL DOMESTIC AND FIRE SERVICE LINE CONNECTION WORK SHALL BE COORDINATED WITH THE TOWN OF BELMONT WATER DIVISION TO ALLOW FOR A REPRESENTATIVE FROM THE AGENCY TO BE ONSITE TO OVERSEE THE CONNECTIONS AND PERFORM A WATER SHUTDOWN AS NEEDED.

12. WATER METERS AND ASSOCIATED ENCODER RECEIVER TRANSMITTER EQUIPMENT SHALL BE COMPATIBLE WITH THE TOWN'S EXISTING METER READING SYSTEM.

13. ALL WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 5'-0" OF COVER. INSULATION SHALL BE USED FOR ANY MAINS AND SERVICES RECEIVING LESS THAN 5'-0" OF COVER. INSULATION SHALL BE 2-INCHES THICK, "FOAMGLASS" STYLE WITH JACKETING AS MANUFACTURED BY PITTSBURGH CORNING CORP IN ACCORDANCE WITH AWWA C552.

14. ALL WATER MAINS AND SERVICES SHALL MAINTAIN A MINIMUM VERTICAL SEPARATION OF 18-INCHES FROM OTHER UTILITIES WITH STRICT ADHERENCE TO THIS SEPARATION FOR SEWER AND DRAIN LINES IN ACCORDANCE WITH MASSDEP'S GUIDELINES AND POLICIES FOR PUBLIC WATER SYSTEMS. IF ADEQUATE SEPARATION IS NOT MAINTAINED, PIPELINES SHALL BE SLEEVED OR ENCASED IN FLOWABLE AND EXCAVATABLE CONCRETE. IN ADDITION, NO WATER MAINS OR SERVICES SHALL BE INSTALLED WITHIN THE SAME TRENCH AS OTHER UTILITIES. A MINIMUM OF 10- FEET OF HORIZONTAL SEPARATION FROM SEWER OR DRAIN LINES SHALL BE MAINTAINED.

15. VALVE BOXES SHALL BE CAST IRON, ADJUSTABLE SLIDING HEAVY PATTERN TYPE WITH FLANGE ON THE TOP OF THE SECTION, BE STAMPED "WATER" ON THE TOP COVER, BE DIRT-TIGHT, AND FULLY ENCLOSE THE VALVE OPERATING NUT AND STUFFING BOX.

16. ALL FIRE HYDRANTS SHALL MEET TOWN OF BELMONT DESIGN STANDARDS.

17. THE CONTRACTOR SHALL COORDINATE REQUIRED INSPECTIONS WITH THE OFFICE OF COMMUNITY DEVELOPMENT PRIOR TO BACKFILLING OF CONNECTIONS TO TOWN OF BELMONT SANITARY SEWERS.

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
LIMIT OF DISTURBANCE		
100' WETLAND BUFFER ZONE		
WETLANDS LIMITS		
CONSTRUCTION FENCING		
COMPOST FILTER TUBE & SILT FENCE		
R&D STRUCTURE AND FOUNDATIONS		
REMOVE EXISTING PAVEMENT		
TREE REMOVAL AREA		
STABILIZED CONSTRUCTION ENTRANCE		
SUBSURFACE INFILTRATION BASIN		
UTILITY REMOVAL		
WALL REMOVAL		
RIP RAP OUTLET PROTECTION		
PERMEABLE PAVEMENT		
MILL AND OVERLAY PAVEMENT		
UNDERGROUND ELECTRIC CONDUIT		
UNDERGROUND TELE/COM CONDUIT		
NATURAL GAS PIPING		
WATER SERVICE LINES		
SANITARY SEWER PIPE		
STORM SEWER PIPE		
TRENCH DRAIN		
STORM CATCH BASIN		
STORM AREA DRAIN		
BMP INSPECTION PORT		
STORM MANHOLE		
TELE/COMM AND ELECTRIC HAND HOLES		
SANITARY SEWER MANHOLE		
GATE VALVE		
FIRE HYDRANT		
TREE REMOVAL		
TREE REMOVAL (TREE INCLUDED IN TREE SURVEY)		
INLET PROTECTION		
R&D LIGHT POLE AND FIXTURE		
R&S LIGHT BOLLARD		
R&D DRAINAGE STRUCTURE		

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Revisions

Number	Date	Description

Job number 151021201  
Drawn by **KH, JW** Checked by **HH, FH**  
Scale **N/A** Date **07/27/2022**

Stamp

COMMONWEALTH OF MASSACHUSETTS  
FRANK HOLMES  
CIVIL  
No. 40293  
REGISTERED  
PROFESSIONAL ENGINEER

Sheet Title

NOTES & LEGEND

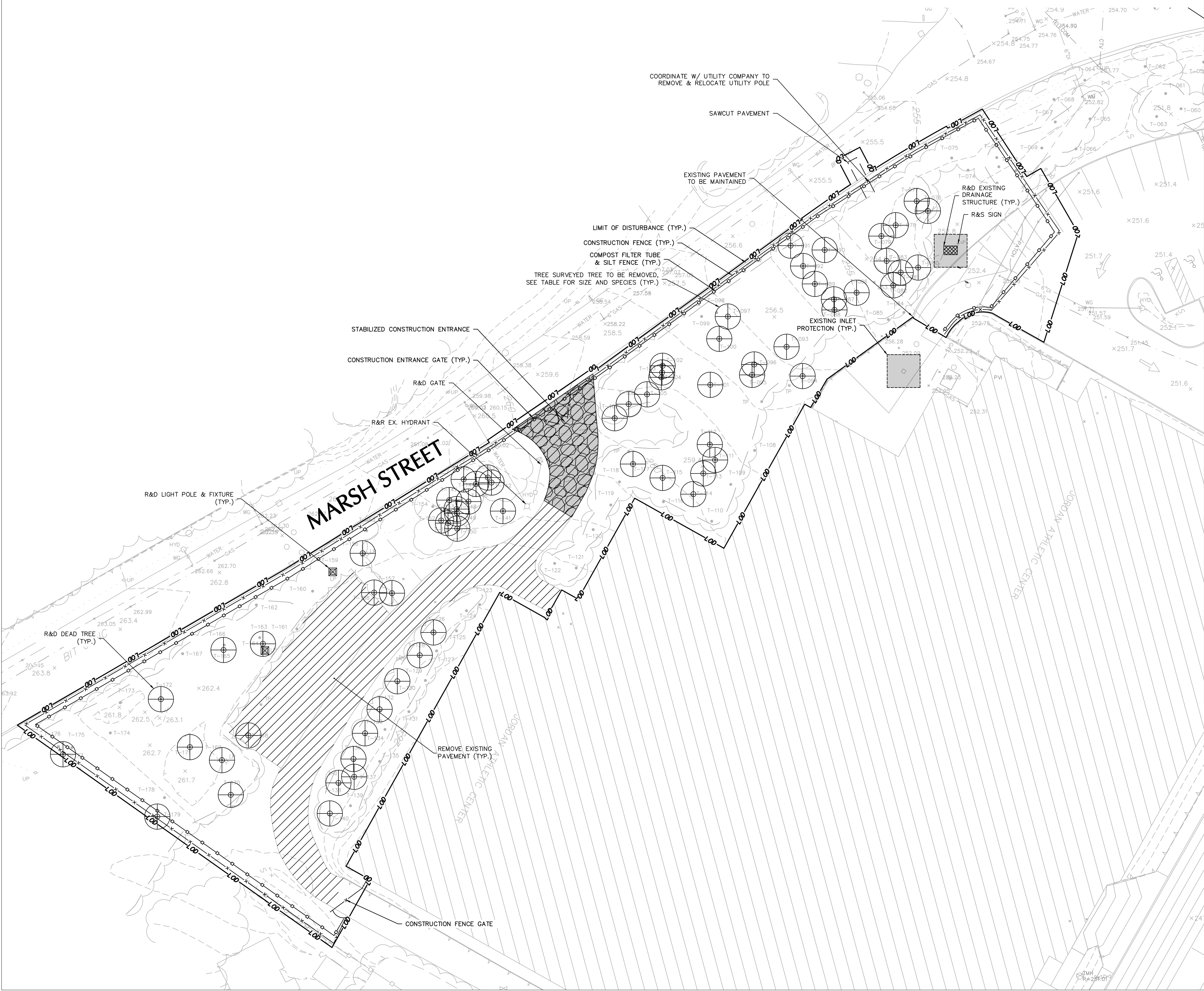
Sheet Number

CS-002

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TREES TO BE REMOVED – MAIN CAMPUS				
Tree ID	Common Name	Genus	Diameter at Breast Height (DBH), Number of Stems	Reason for Removal
76	Oak–Black	Quercus velutina	20	New Driveway Construction
77	Pine–Eastern White	Pinus strobus	7	New Driveway Construction
78	Juniper–Eastern Redcedar	Juniperus virginiana	4	New Driveway Construction
79	Cherry–Black	Prunus serotina	17	New Driveway Construction
80	Maple–Norway	Acer platanoides	9	New Driveway Construction
81	Locust–Black	Robinia pseudoacacia	11	New Driveway Construction
82	Pine–Eastern White	Pinus strobus	9	Dead
83	Locust–Black	Robinia pseudoacacia	8	New Driveway Construction
86	Pine–Eastern White	Pinus strobus	9	Dead
87	Cherry–Black	Prunus serotina	14	Dead
88	Locust–Black	Robinia pseudoacacia	23	New Driveway Construction
89	Maple–Norway	Acer platanoides	12	New Driveway Construction
90	Cherry–Black	Prunus serotina	12	Dead
91	Locust–Black	Robinia pseudoacacia	31	Poor Condition
92	Cherry–Black	Prunus serotina	13	New Driveway Construction
93	Maple–Norway	Acer platanoides	11 (2 stems)	New Driveway Construction
94	Arborvitae–Western Redcedar	Thuja plicata	4	New Driveway Construction
95	Maple–Norway	Acer platanoides	15	New Driveway Construction
96	Locust–Black	Robinia pseudoacacia	18	Poor Condition
97	Maple–Norway	Acer platanoides	10	New Driveway Construction
100	Locust–Black	Robinia pseudoacacia	15	Poor Condition
101	Locust–Black	Robinia pseudoacacia	6	New Driveway Construction
102	Cherry–Black	Prunus serotina	20	Poor Condition
104	Sumac	Rhus sp	17	New Driveway Construction
105	Locust–Black	Robinia pseudoacacia	16	New Driveway Construction
106	Pine–Eastern White	Pinus strobus	6	Dead
107	Spruce–Colorado Blue	Picea pungens	8	New Driveway Construction
111	Arborvitae–Western Redcedar	Thuja plicata	4	New Driveway Construction
112	Arborvitae–Western Redcedar	Thuja plicata	5	New Driveway Construction
113	Pine–Eastern White	Pinus strobus	11	New Driveway Construction
114	Pine–Eastern White	Pinus strobus	6	Dead
115	Pine–Eastern White	Pinus strobus	10	New Driveway Construction
117	Juniper–Common	Juniperus communis	5	New Driveway Construction
126	Birch–Paper	Betula papyrifera	5 (3 stems)	New Wall/ New Driveway
128	Birch–Paper	Betula papyrifera	6 (4 stems)	New Wall/ New Driveway
130	Birch–Paper	Betula papyrifera	5 (3 stems)	New Wall/ New Driveway
132	Birch–Paper	Betula papyrifera	4 (3 stems)	New Wall/ New Driveway
134	Birch–Paper	Betula papyrifera	5 (3 stems)	New Wall/ New Driveway
136	Birch–Paper	Betula papyrifera	6 (2 stems)	New Wall/ New Driveway
137	Maple–Norway	Acer platanoides	6	New Wall/ New Driveway
138	Birch–Paper	Betula papyrifera	6 (3 stems)	New Wall/ New Driveway
140	Birch–Paper	Betula papyrifera	6 (2 stems)	New Wall/ New Driveway
141	Cherry–Black	Prunus serotina	10 (2 stems)	New Driveway Construction
142	Maple–Norway	Acer platanoides	5	New Driveway Construction
143	Maple–Norway	Acer platanoides	15	New Driveway Construction
144	Maple–Norway	Acer platanoides	10	New Driveway Construction
145	Locust–Black	Robinia pseudoacacia	23	New Driveway Construction
146	Locust–Black	Robinia pseudoacacia	18	New Driveway Construction
147	Maple–Norway	Acer platanoides	10	New Driveway Construction
148	Maple–Norway	Acer platanoides	8	New Driveway Construction
149	Maple–Norway	Acer platanoides	6	New Driveway Construction
150	Maple–Norway	Acer platanoides	11	New Driveway Construction
151	Cherry–Black	Prunus serotina	14 (2 stems)	Poor Condition
152	Maple–Norway	Acer platanoides	9	New Driveway Construction
153	Maple–Norway	Acer platanoides	8	New Driveway Construction
156	Locust–Black	Robinia pseudoacacia	23	Poor Condition
157	Pine–Austrian	Pinus nigra	7	New Driveway Construction
158	Cherry–Black	Prunus serotina	12	New Driveway Construction
164	Cherry–Black	Prunus serotina	20 (2 stems)	Poor Condition
165	Cherry–Black	Prunus serotina	15	Dead
168	Maple–Red	Acer rubrum	11	New Driveway Construction
169	Oak–Pin	Quercus palustris	35	Poor Condition
170	Maple–Norway	Acer platanoides	15	New Driveway Construction
171	Maple–Norway	Acer platanoides	7	Poor Condition
172	Cherry–Black	Prunus serotina	15	Poor Condition
177	Arborvitae–Western Redcedar	Thuja plicata	7	Dead
179	Hickory–Mockernut	Carya tomentosa	15	Dead

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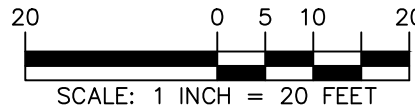
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- NOTES:
- SEE SHEET C-002 FOR NOTES AND LEGEND.
  - EXISTING TREES TO REMAIN WITHIN THE LIMIT OF WORK ARE TO BE PROTECTED. TREE PROTECTION FENCING TO BE 6' TALL CHAIN LINK FENCE AND TO BE SET UP AT DRIP LINE OF EXISTING TREES OR EXTENT OF CRITICAL ROOT ZONE, WHICHEVER IS GREATER. EXISTING TREES AND SHRUBS TO REMAIN SHALL NOT BE ALTERED UNDER ANY CIRCUMSTANCES UNLESS REVIEWED BY THE LANDSCAPE ARCHITECT AND MUST REMAIN IN THE SAME CONDITION AS OBSERVED PRIOR TO CONSTRUCTION.
  - TREE AND SHRUB REMOVAL SHALL INCLUDE THE FELLING, CUTTING, GRUBBING OUT OF ROOTS AND SATISFACTORY OFF-SITE DISPOSAL OF ALL STUMPS AND VEGETATIVE AND EXTRANEEOUS DEBRIS PRODUCED THROUGH THE REMOVAL OPERATIONS.
  - NO HEAVY MACHINERY IS TO BE USED WITHIN THE CRITICAL ROOT ZONES OF EXISTING TREES. EXCAVATION WITHIN CRITICAL ROOT ZONE IS TO BE PERFORMED BY HAND. REVIEW ALL WORK PROPOSED WITHIN THE CRITICAL ROOT ZONE WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
  - ALL UTILITY FRAMES, COVERS AND VALVE BOXES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED AND ADJUSTED TO FINISH GRADE.
  - STRIP, STOCKPILE AND REUSE TOPSOIL WITHIN LIMIT OF DISTURBANCE WHERE APPLICABLE AND WHERE REGRADING IS TO OCCUR.



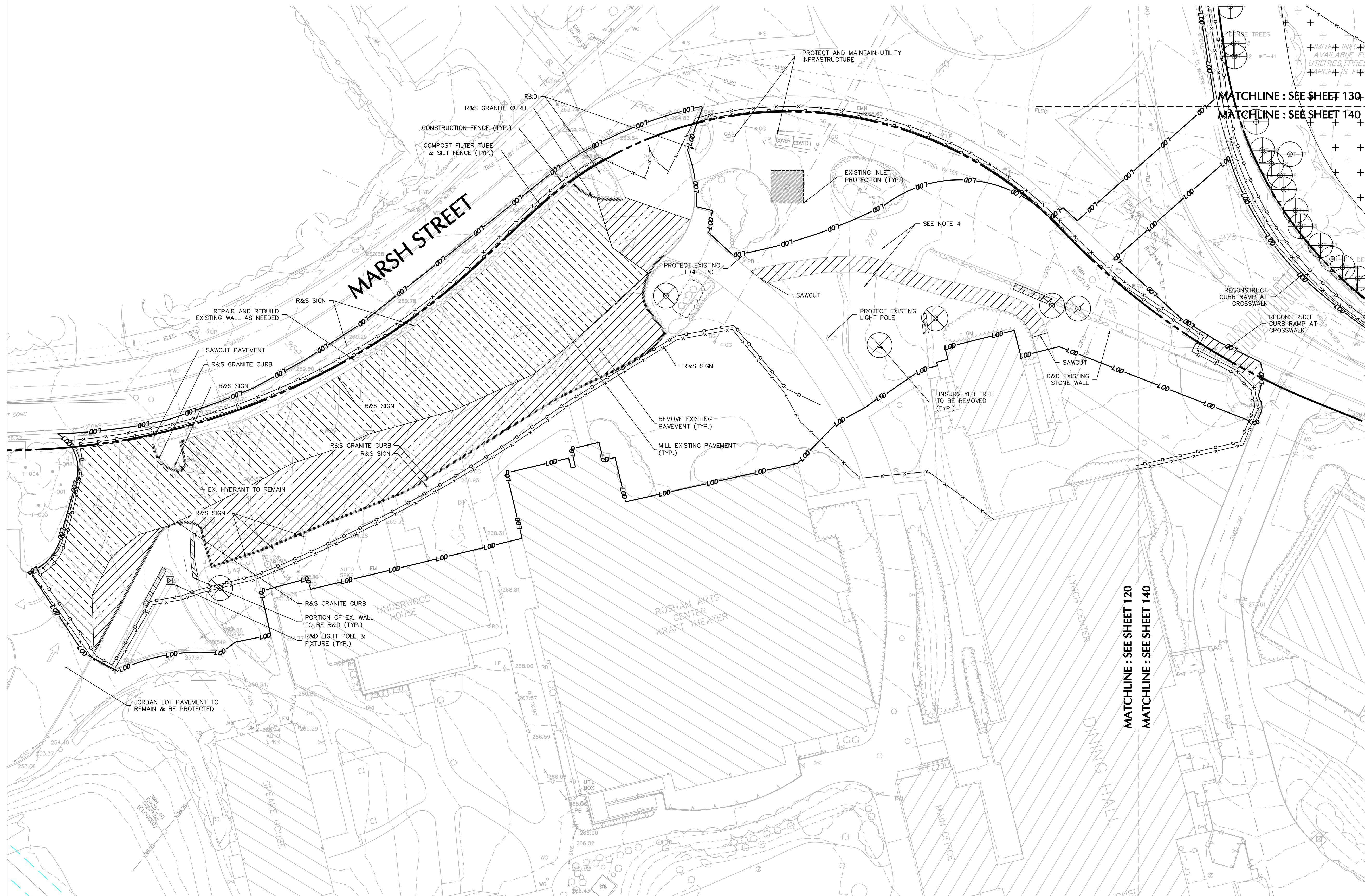


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- NOTES:
1. SEE SHEET C-002 FOR NOTES AND LEGEND
2. EXISTING TREES TO REMAIN WITHIN THE LIMIT OF EXISTING CRIPPLE ARE TO BE PROTECTED BY PROTECTION FENCING TO BE 6' TALL CHAIN LINK FENCE AND TO BE SET UP AT DRIP LINE OF EXISTING CRIPPLE OR THE OUTLINE OF CRITICAL ROOT ZONE, WHICHEVER IS GREATER. EXISTING TREES AND SHRUBS TO REMAIN SHALL NOT BE ALTERED UNDER ANY CIRCUMSTANCES. EXISTING TREES AND SHRUBS BY THE LANDSCAPE ARCHITECT MUST REMAIN IN THE SAME CONDITION AS OBSERVED PRIOR TO CONSTRUCTION.
3. TREE AND SHRUB REMOVAL SHALL INCLUDE THE FELLING, CUTTING, GRUBBING OUT OF ROOTS AND SATISFACTORY OFF-SITE DISPOSAL OF ALL STUMPS AND VEGETATIVE AND EXTRANEOUS DEBRIS PRODUCED THROUGH THE REMOVAL OPERATIONS.
4. A HEAVY MACHINE IS TO BE USED WITHIN THE CRITICAL ROOT ZONES OF EXISTING TREES. EXCAVATION WITHIN CRITICAL ROOT ZONE IS TO BE PERFORMED BY HAND. REVEAL IS TO BE MAINTAINED WITHIN THE CRITICAL ROOT ZONE WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL UTILITY FRAMES, COVERS AND VALVE BOXES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED AND ADJUSTED TO MEET HIGH GRADE.
6. STRIP, STOCKPILE AND REUSE TOPSOIL WITHIN LIMIT OF DISTURBANCE WHERE AVAILABLE AND WHERE REGRADING IS TO OCCUR.

Revisions		
Number	Date	Description

Job number 151021201

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Scale 1"=20'	Date 07/27/2022

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FRANK HOLMES

Sheet Title

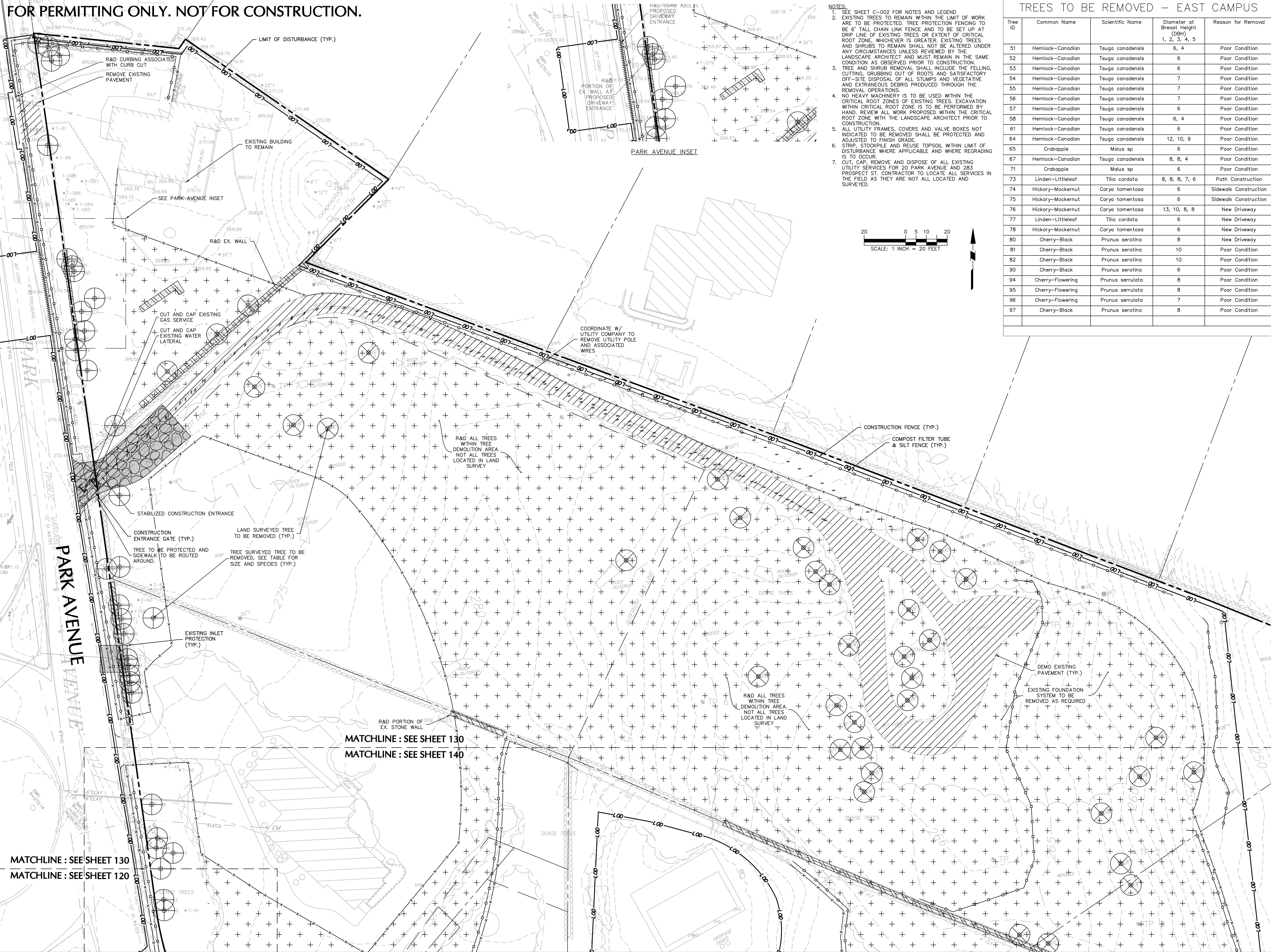
# SITE PREP & EROSION CONTROL PLAN II

Sheet Number

CES-120



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TREES TO BE REMOVED – EAST CAMPUS				
Tree ID	Common Name	Scientific Name	Diameter at Breast Height (DBH) 1, 2, 3, 4, 5	Reason for Removal
51	Hemlock-Canadian	<i>Tsuga canadensis</i>	6, 4	Poor Condition
52	Hemlock-Canadian	<i>Tsuga canadensis</i>		Poor Condition
53	Hemlock-Canadian	<i>Tsuga canadensis</i>	6	Poor Condition
54	Hemlock-Canadian	<i>Tsuga canadensis</i>	7	Poor Condition
55	Hemlock-Canadian	<i>Tsuga canadensis</i>	7	Poor Condition
56	Hemlock-Canadian	<i>Tsuga canadensis</i>	7	Poor Condition
57	Hemlock-Canadian	<i>Tsuga canadensis</i>	6	Poor Condition
58	Hemlock-Canadian	<i>Tsuga canadensis</i>	6, 4	Poor Condition
61	Hemlock-Canadian	<i>Tsuga canadensis</i>	6	Poor Condition
64	Hemlock-Canadian	<i>Tsuga canadensis</i>	12, 10, 9	Poor Condition
65	Crabapple	<i>Malus sp</i>	6	Poor Condition
67	Hemlock-Canadian	<i>Tsuga canadensis</i>	8, 8, 4	Poor Condition
71	Crabapple	<i>Malus sp</i>	6	Poor Condition
73	Linden-Littleleaf	<i>Tilio cordata</i>	8, 8, 8, 7, 6	Path Construction
74	Hickory-Mockernut	<i>Carya tomentosa</i>	6	Sidewalk Construction
75	Hickory-Mockernut	<i>Carya tomentosa</i>		Sidewalk Construction
76	Hickory-Mockernut	<i>Carya tomentosa</i>	13, 10, 8, 8	New Driveway
77	Linden-Littleleaf	<i>Tilio cordata</i>	6	New Driveway
78	Hickory-Mockernut	<i>Carya tomentosa</i>	6	New Driveway
80	Cherry-Black	<i>Prunus serotina</i>	8	New Driveway
81	Cherry-Black	<i>Prunus serotina</i>	10	Poor Condition
82	Cherry-Black	<i>Prunus serotina</i>	10	Poor Condition
90	Cherry-Black	<i>Prunus serotina</i>	6	Poor Condition
94	Cherry-Flowering	<i>Prunus serrulata</i>	8	Poor Condition
95	Cherry-Flowering	<i>Prunus serrulata</i>	8	Poor Condition
96	Cherry-Flowering	<i>Prunus serrulata</i>	7	Poor Condition
97	Cherry-Black	<i>Prunus serotina</i>	8	Poor Condition

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stamp

COMMONWEALTH OF MASSACHUSETTS  
FRANK HOLMES  
CIVIL  
No. 40203  
REGISTERED  
PROFESSIONAL ENGINEER

*Frank Holmes*

sheet Title

**SITE PREP &  
EROSION  
CONTROL  
PLAN III**

sheet Number

**CES-130**

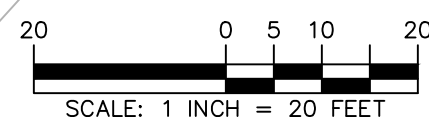


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Job number 151021201	
Drawn by <b>KH, JW</b>	Checked by <b>HH, FH</b>
Scale <b>1"=20'</b>	Date <b>07/27/2022</b>

# SITE PREP & EROSION CONTROL PLAN IV

# CES-140



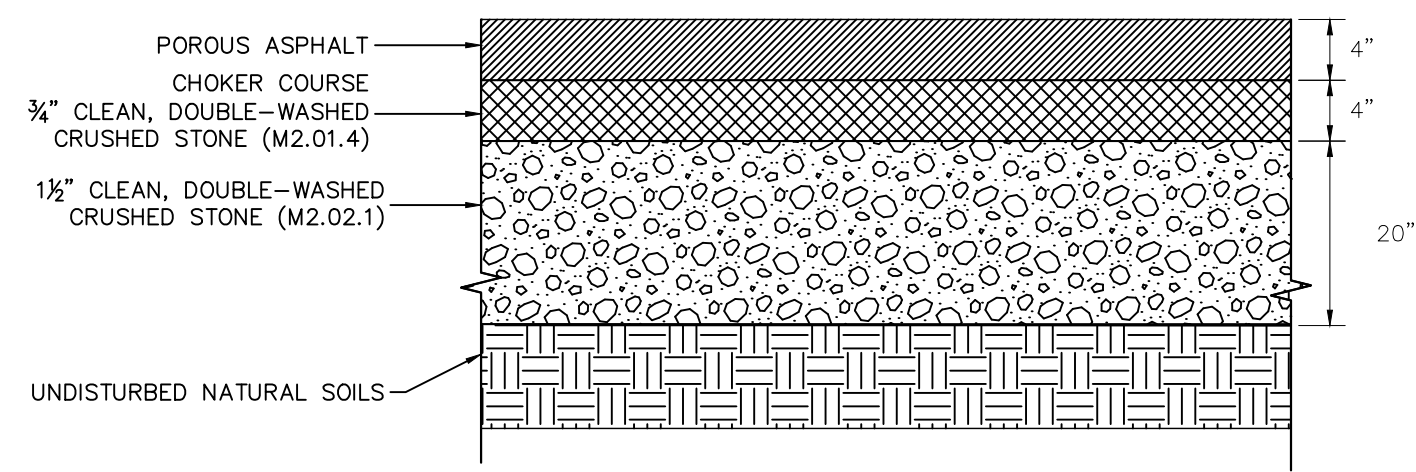
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NOTES:

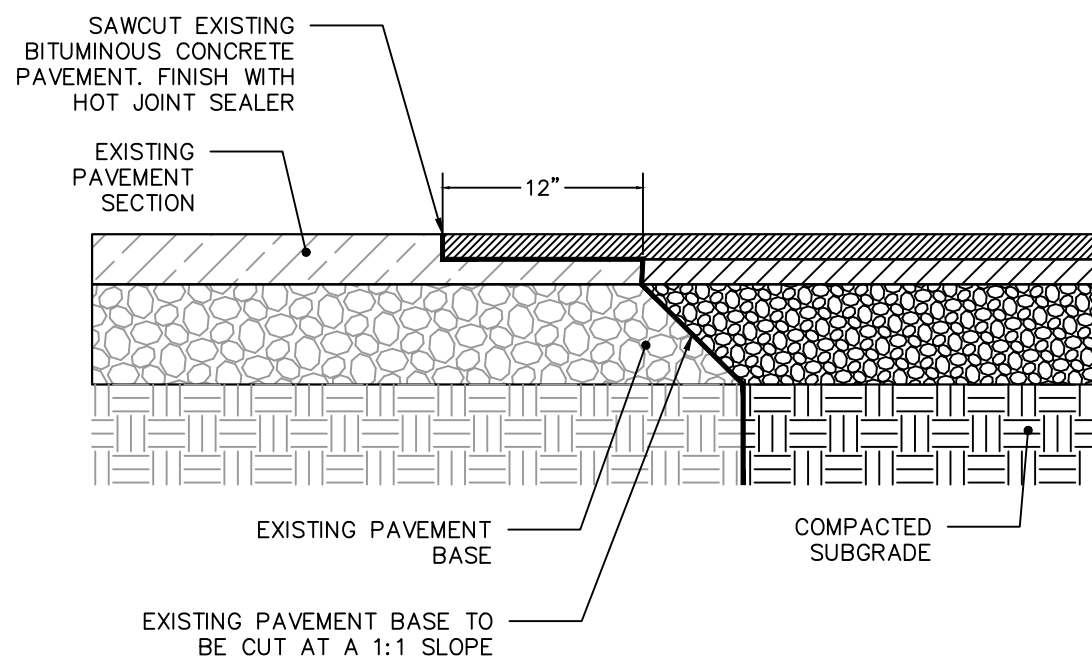
1. SEE SHEET C-002 FOR NOTES AND LEGEND
2. EXISTING TREES TO REMAIN WITHIN THE LIMIT OF WORK ARE TO BE PROTECTED. TREE PROTECTION FENCING TO BE 6' TALL CHAIN LINK FENCE AND TO BE SET UP AT 12" DROP LINE OF EXISTING TREES OR EXTENT OF CRITICAL ROOT ZONE, WHICHEVER IS GREATER. EXISTING TREES AND SHRUBS TO REMAIN SHALL NOT BE ALTERED UNDER ANY CIRCUMSTANCES. THE LANDSCAPE ARCHITECT MUST MAINTAIN THE SAME CONDITION AS OBSERVED PRIOR TO CONSTRUCTION.
3. TREE AND SHRUB REMOVAL SHALL INCLUDE THE FELLING, CUTTING, GRUBBING OUT OF ROOTS AND SATISFACTORY OFF-SITE DISPOSAL OF ALL STUMPS AND VEGETATIVE AND EXTRANEOUS DEBRIS PRODUCED THROUGHOUT THE REMOVAL OPERATIONS.
4. EXCAVATION OF CRITICAL ROOT ZONE OF EXISTING TREES. EXCAVATION WITHIN CRITICAL ROOT ZONE IS TO BE PERFORMED BY HAND.
5. REVIEW ALL WORK PROPOSED WITHIN THE CRITICAL ROOT ZONE WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
6. EXISTING CRIMPS SHALL BE PROTECTED AND REMOVED. CRIMPS SHALL BE PROTECTED AND REMOVED PRIOR TO FINISH GRADE.
7. STRIP, STOCKPILE AND REUSE TOPSOIL WITHIN LIMIT OF DISTURBANCE WHERE APPLICABLE AND WHERE REGRADING IS TO OCCUR.
8. CUT, GRUB AND REMOVE ALL EXISTING UTILITY SERVICES FOR 283 PROPOSED STR. CONTRACTOR TO LOCATE ALL SERVICES IN THE FIELD AS THEY ARE NOT LOCATED AND SURVEYED.

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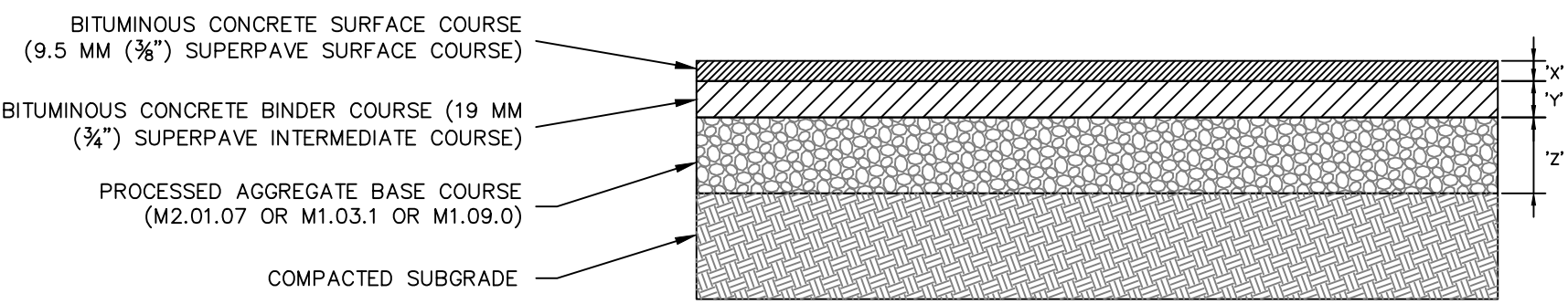




- NOTES:
- POROUS ASPHALT FOR POROUS PAVEMENT SHALL BE PLACED IN TWO LIFTS WITH AN ASPHALT BINDER CONTENT OF 6.0% TO 6.5% BY WEIGHT OF DRY AGGREGATE. IN ACCORDANCE WITH ASTM D6390, DRAIN DOWN OF THE BINDER SHALL BE NO GREATER THAN 0.3%. AGGREGATE GRAIN IN THE ASPHALT SHALL BE A MINIMUM 90% CRUSHED MATERIAL AND HAVE THE FOLLOWING GRADATION:
- | STANDARD SIEVE SIZE (INCH/MM) | PASSING SIEVE (%) |
|-------------------------------|-------------------|
| 0.75/19                       | 100               |
| 0.50/12.5                     | 85-100            |
| 0.375/9.5                     | 55-75             |
| NO. 4/4.75                    | 10-25             |
| NO. 8/2.36                    | 5-10              |
| NO. 200/0.075                 | 2-4               |
- NEAT ASPHALT BINDER MODIFIED WITH AN ELASTOMERIC POLYMER TO PRODUCE A BINDER MEETING THE REQUIREMENTS OF PG 76-22 AS SPECIFIED IN AASHTO MP-1. THE ELASTOMER POLYMER SHALL BE STYRENE-BUTADIENE (SBS), OR APPROVED EQUAL, APPLIED AT A RATE OF 1.5-3% BY WEIGHT OF THE TOTAL BINDER.
  - HYDRATED LIME SHOULD BE ADDED AT A DOSAGE RATE OF 1% BY WEIGHT OF THE TOTAL DRY AGGREGATE TO MIXES CONTAINING GRANITE. HYDRATED LIME SHALL MEET THE REQUIREMENTS OF ASTM C 977. THE ADDITIVE MUST BE ABLE TO PREVENT THE SEPARATION OF THE ASPHALT BINDER FROM THE AGGREGATE AND ACHIEVE REQUIRED TENSILE STRENGTH RATIO (TSR) OF AT LEAST 80% ON THE ASPHALT MIX WHEN TESTED IN ACCORDANCE WITH AASHTO T 283. THE ASPHALTIC MIX SHALL BE TESTED FOR ITS RESISTANCE TO STRIPPING BY WATER IN ACCORDANCE WITH ASTM D-1664 AND ASTM D-3625. IF THE ESTIMATED COATING AREA IS NOT ABOVE 95% OR THE TSR FALLS BELOW 80% ADDITIONAL ANTI-STRIPPING AGENTS SHALL BE ADDED TO THE ASPHALT.
  - THE DOSAGE OF FIBER ADDITIVES SHALL BE EITHER 0.3% CELLULOSE FIBERS OR 0.4% MINERAL FIBERS BY TOTAL MIXTURE MASS.
  - AIR VOID CONTENT SHALL BE 16-22.0% PER ASTM D6752/AASHTO T275



- NOTES:
- CONTRACTOR TO INSTALL TACK COAT ON ALL BUTT EDGES OF EXISTING PAVEMENT



- NOTES:
- PAVING COURSES SHALL BE CONSTRUCTED IN LAYERS NOT LESS THAN 1.5 INCHES THICK PER LIFT.
  - ALL AREAS TO BE PAVED SHALL BE PROOFROLLED WITH AT LEAST 4 PASSES OF A SMOOTH ROLLER HAVING A MINIMUM STATIC DRUM WEIGHT OF 10 TONS. ANY SOFT AREAS SHALL BE REMOVED AND REPLACED WITH CLEAN, GRANULAR, FREE-DRAINING SOIL. FILL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 12-INCHES AND SHALL BE COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL REPORT.
  - PAVEMENT CLASSES REFER TO MASSACHUSETTS, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION (MDOT SS) M3.11.03. PRESSED AGGREGATE SHALL REFER TO M2.01.07 OR M1.03.1.

## ASPHALT PAVEMENT

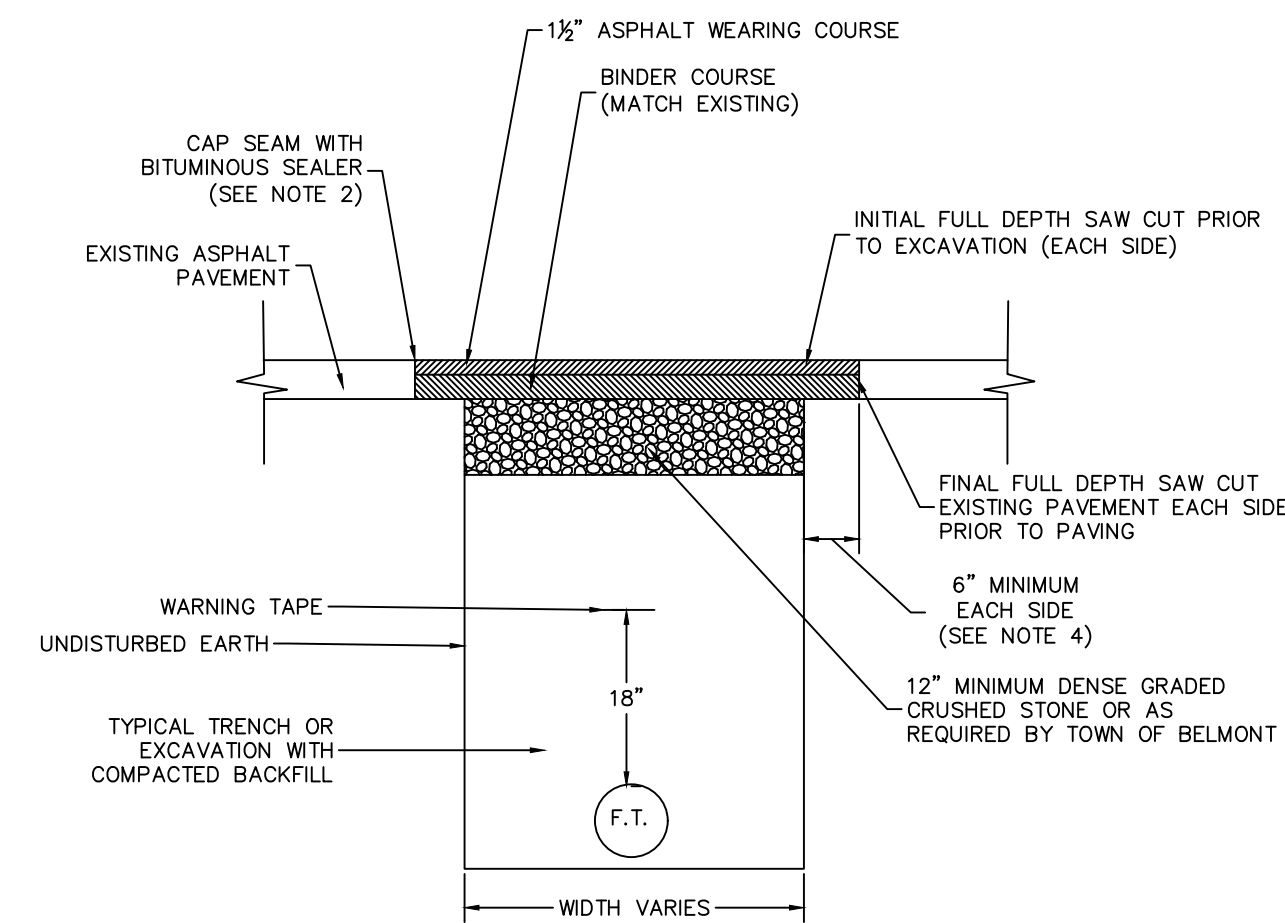
N.T.S.

## POROUS PAVEMENT

N.T.S.

## SAWCUT PAVEMENT SECTION

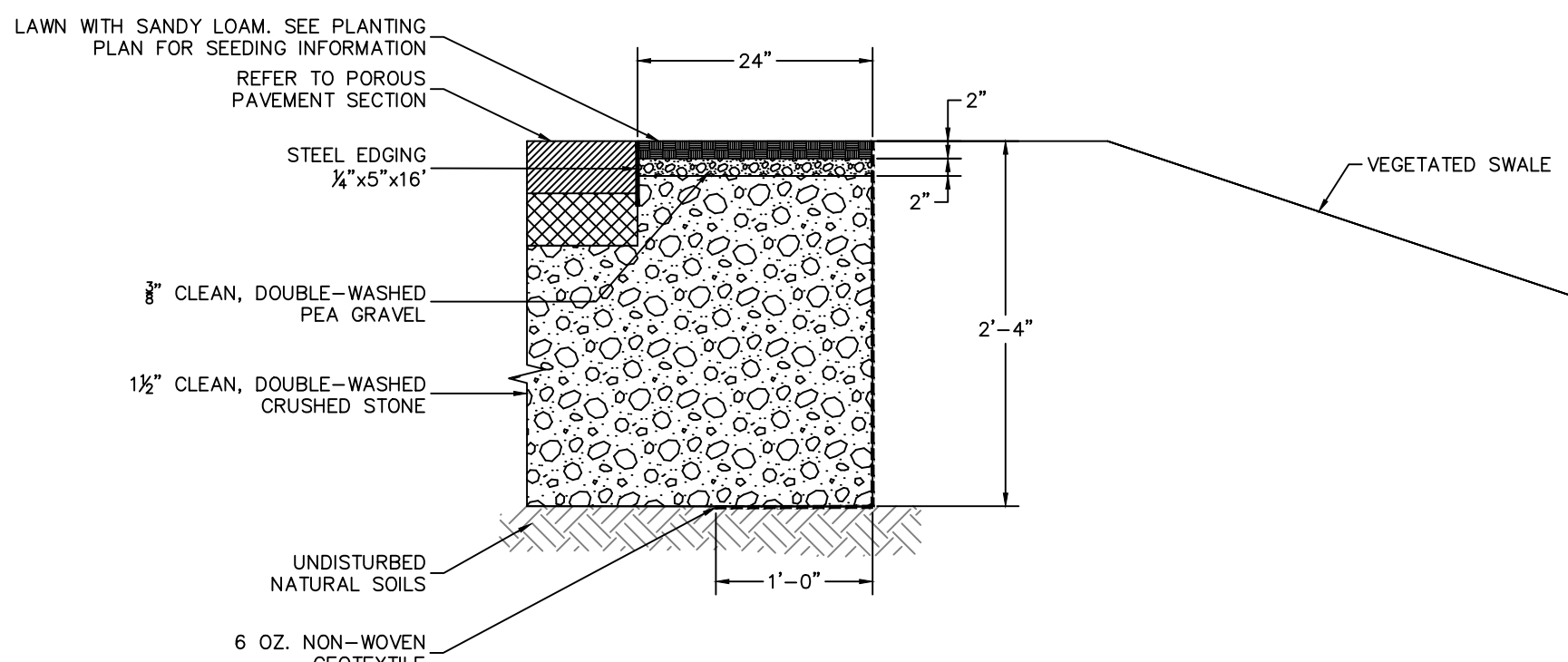
N.T.S.



- NOTES:
- EXISTING PAVEMENT IS TO BE SAW CUT FULL DEPTH TO OBTAIN A STRAIGHT AND NEAT EDGE FOR PAVING. SAW CUT IS TO BE MADE AFTER BACKFILLING THE TRENCH AT BOTTOM OF NEW PAVEMENT SECTION.
  - ALL SEAMS BETWEEN EXISTING AND NEW SURFACES ARE TO BE SEALED WITH AN ASPHALT EMULSION.
  - PAVEMENT SECTION TO BE CONFIRMED WITH THE TOWN OF BELMONT.
  - 6 INCH MINIMUM TO BE FROM EDGE OF UNDISTURBED EARTH, EACH SIDE OF TRENCH.

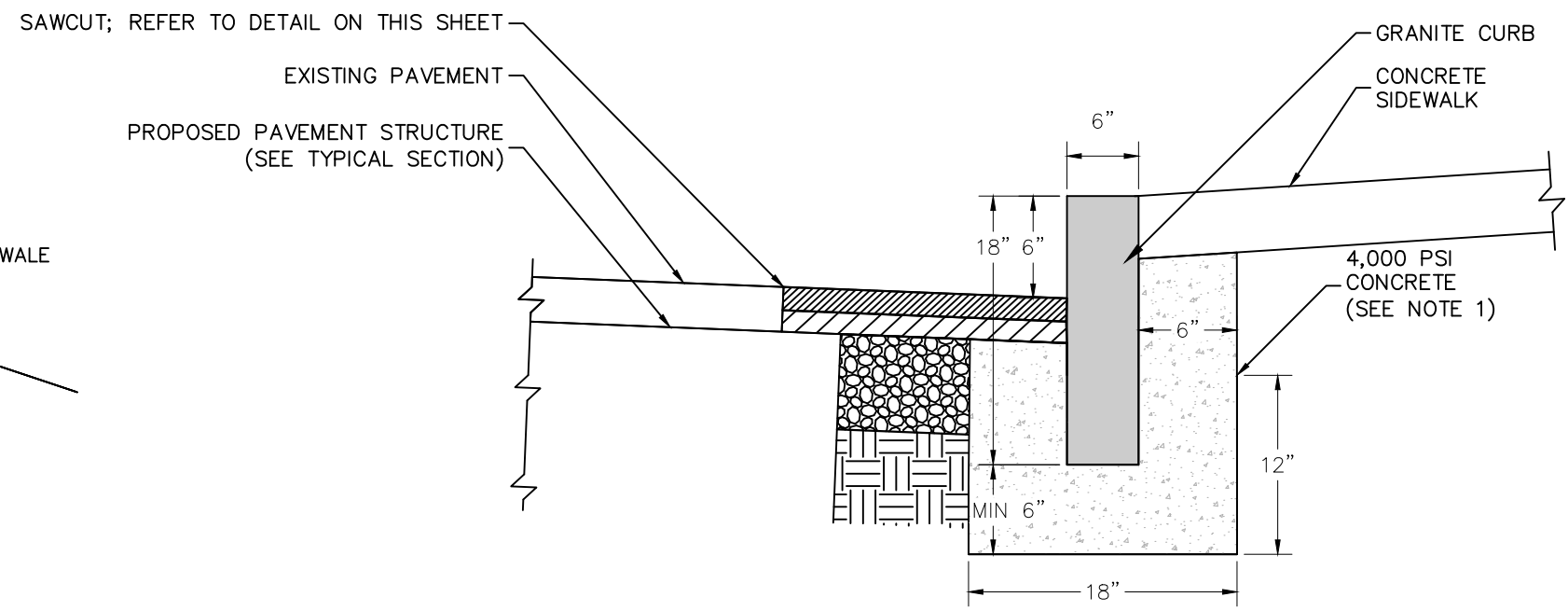
## LAWN EDGE (AT POROUS PAVEMENT AND VEGETATED SWALE)

N.T.S.



## VERTICAL GRANITE CURB

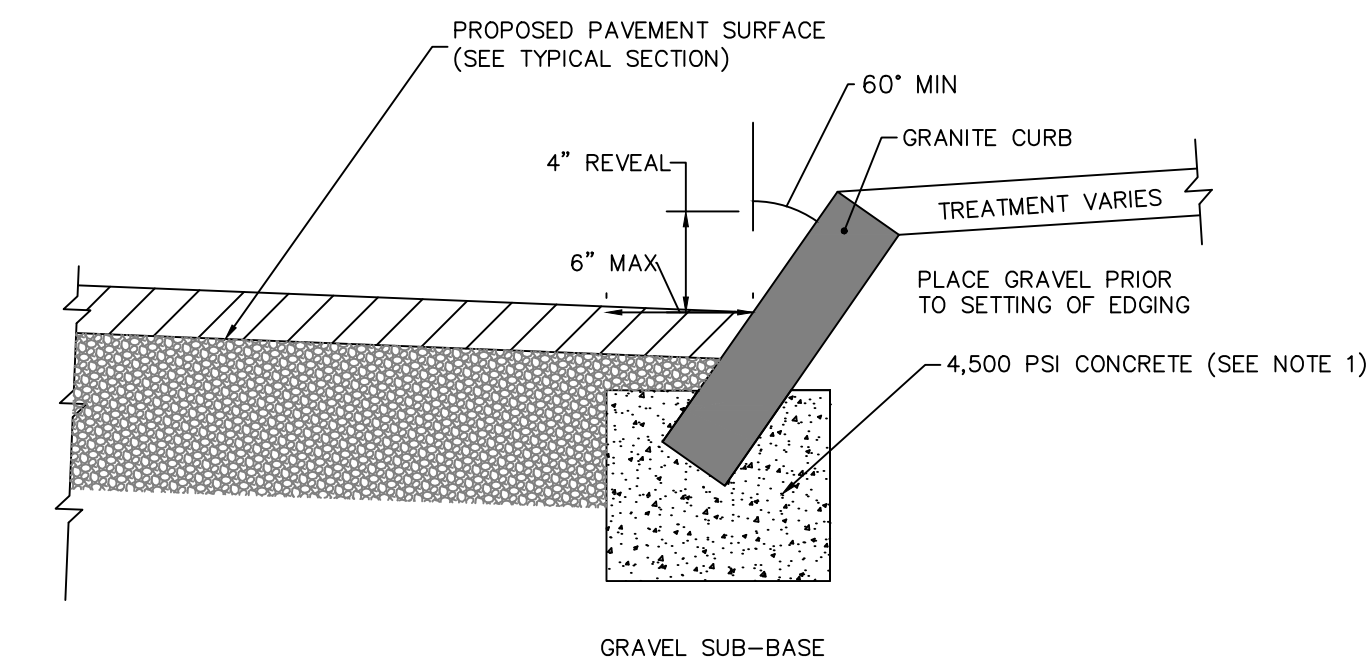
N.T.S.



- NOTES:
- ALL RADII AND JOINTS ARE TO BE SET IN 12" DEEP 18" WIDE 4,000 PSI CONCRETE. STRAIGHT SECTIONS BETWEEN JOINTS CAN BE SET ON PROCESSED AGGREGATE.
  - GROUT ALL JOINTS

## PAVEMENT TRENCH RESTORATION

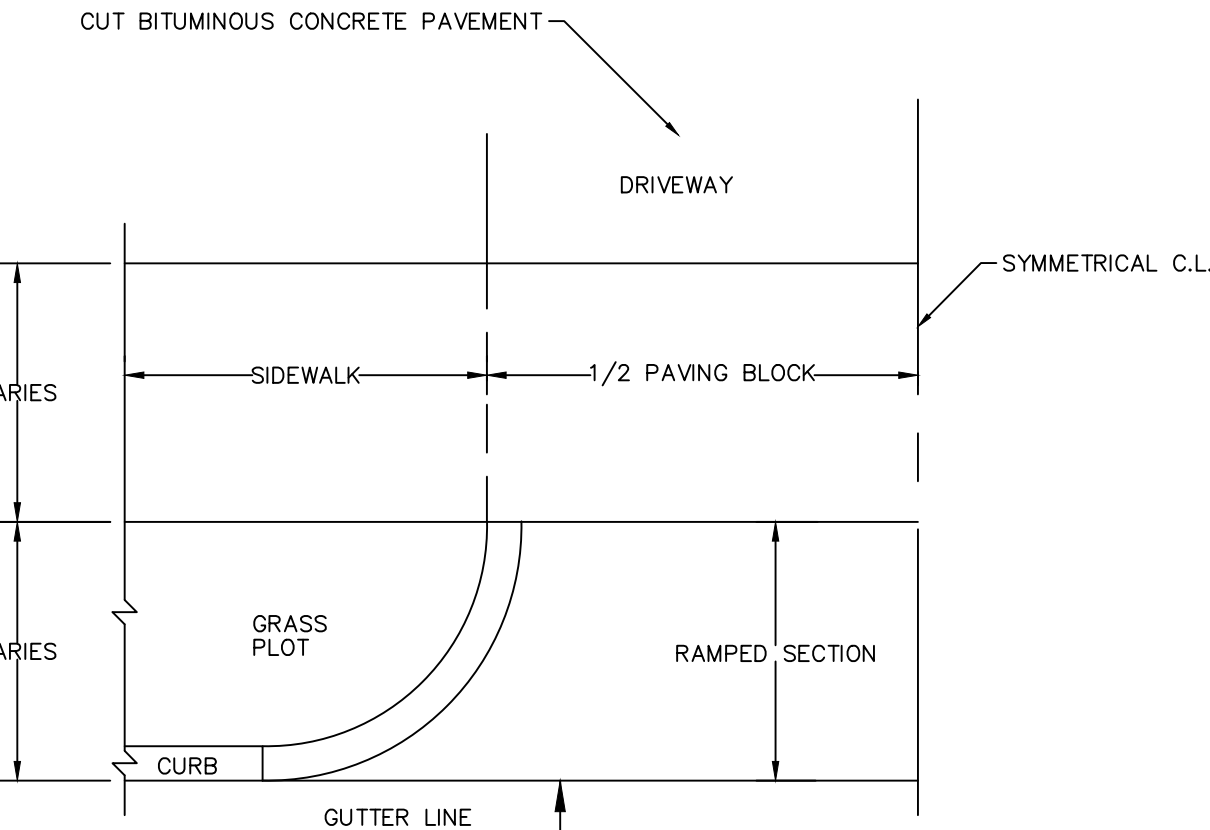
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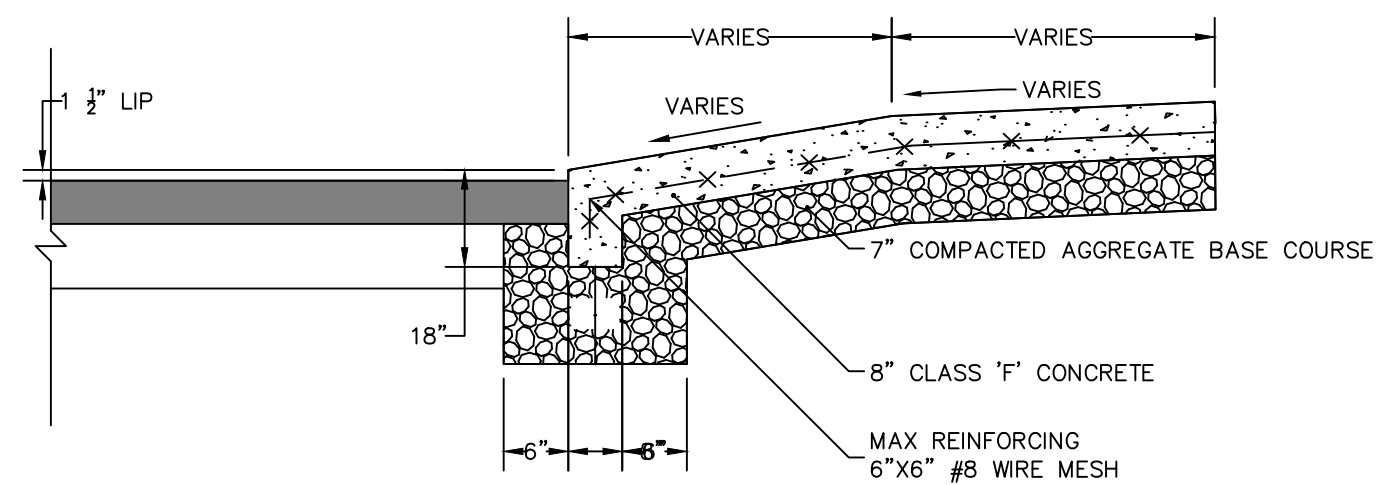
- NOTES:
- ANY DESIGNATED CEMENT CONCRETE THAT IS ACCEPTABLE TO THE DEPARTMENT UNDER SECTION M4 OF THE STANDARD SPECIFICATIONS; ALL TEST REQUIREMENTS ARE WAIVED. HOT MIX ASPHALT SHALL NOT BE USED AS A SUBSTITUTE.
  - THE ANGLE IS TO BE A MINIMUM OF 60° FROM VERTICAL UNDER ALL CONDITIONS.
  - GROUT ALL JOINTS.

## SLOPED GRANITE CURB

N.T.S.



## HALF PLAN



## CROSS SECTION

## CONCRETE DRIVEWAY APRON

N.T.S.



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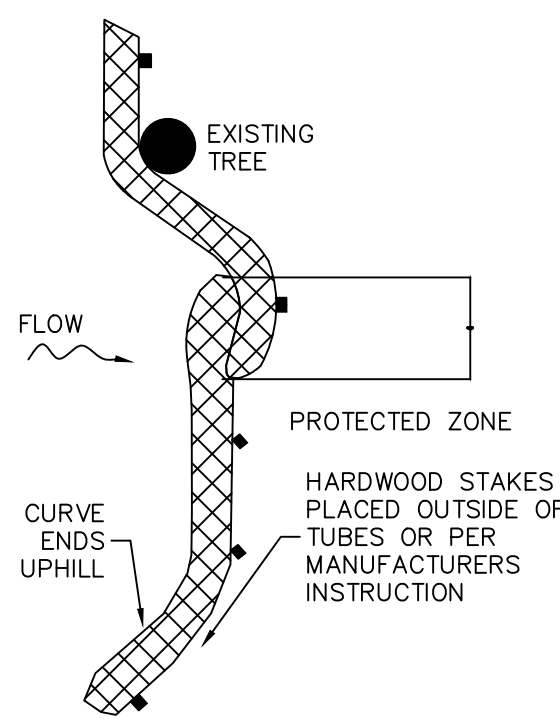
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## SILT SACK INLET PROTECTION

N.T.S



PLAN VIEW

PLACE TUBE ALONG CONTOURS AND PERPENDICULAR TO FLOW

PLACE AS CLOSE TO LIMIT OF SOIL DISTURBANCE AS POSSIBLE

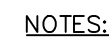
ADJUST LOCATION AS REQUIRED FOR OPTIMUM  
EFFECTIVENESS DO NOT INSTALL IN WATERWAYS

PLACE STAKES AS NEEDED TO SECURE TUBES IN PLACE

N.T.S.



N.T.S



1. POSITIVE GRADE MUST BE PROVIDED TO ASSURE DRAINAGE. 2:1 MAX. SIDE SLOPE. IF SLOPE EXCEEDS 2% OR CHANNEL IS CONSTRUCTED IN FILL, PROVIDE CHANNEL LINER PER DETAIL EC 5. TRY NOT TO EXCEED 5% (HIGHER RUNOFF VELOCITIES RESULT). MAXIMUM DRAINAGE AREA IS 5.00 ACRES WITHOUT SUPPORTING STRUCTURES FOR PERMANENT CHANNEL. DIVERSIONS AT THE TOPS OF SLOPES MUST BE PROVIDED FOR AN APPROVED SLOPE DRAIN (SEE DETAILS). THE BERM/DITCH IS THE MOST COMMONLY USED DIVERSION.
2. MACHINE COMPACTING OF ALL FILL IS REQUIRED.
3. DIVERSIONS, DIVERSIONS WITH SEDIMENT-LOADED STORMWATER INTO SEDIMENT CONTROL DEVICE MUST BE INSTALLED PRIOR TO CLEARING AND GRUBBING OF AREA (OR IN CONJUNCTION WITH THIS OPERATION IF SEDIMENT CONTROLS AND DIVERSIONS ARE INSTALLED AT EACH CRITICAL POINT (AS INDICATED)).
4. DIVERSIONS SHOULD BE LOCATED AS SHOWN ON THE PLANS AND TO MINIMIZE DAMAGES BY CONSTRUCTION OPERATIONS.
5. DIVERSIONS SHOULD BE SEEDED AND LINED WITH STRAW MAT IF THEY ARE TO REMAIN IN PLACE OVER 14 DAYS.
6. CHECK DIVERSIONS AFTER EACH RAIN, AND ONCE PER SEVEN CALENDAR DAYS OR MORE FREQUENTLY IF REQUIRED BY REGULATORY AGENCY. REPAIR AS NEEDED TO MAINTAIN FUNCTION.

N.T.S.



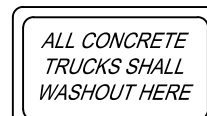
- NOTE:
1. SEE SOIL EROSION & SEDIMENT CONTROL PLAN FOR LOCATION OF STOCKPILES
  2. STOCK PILES TO BE PLEASSED ON POLY SHEETING
  3. STOCK PILES TO BE COVERED WITH POLY SHEETING WHILE NOT IN USE

N.T.S.



ALTERNATE SECTION

USE WHERE MORE THAN ONE  
ACCESSIBLE SIDE IS NEEDED



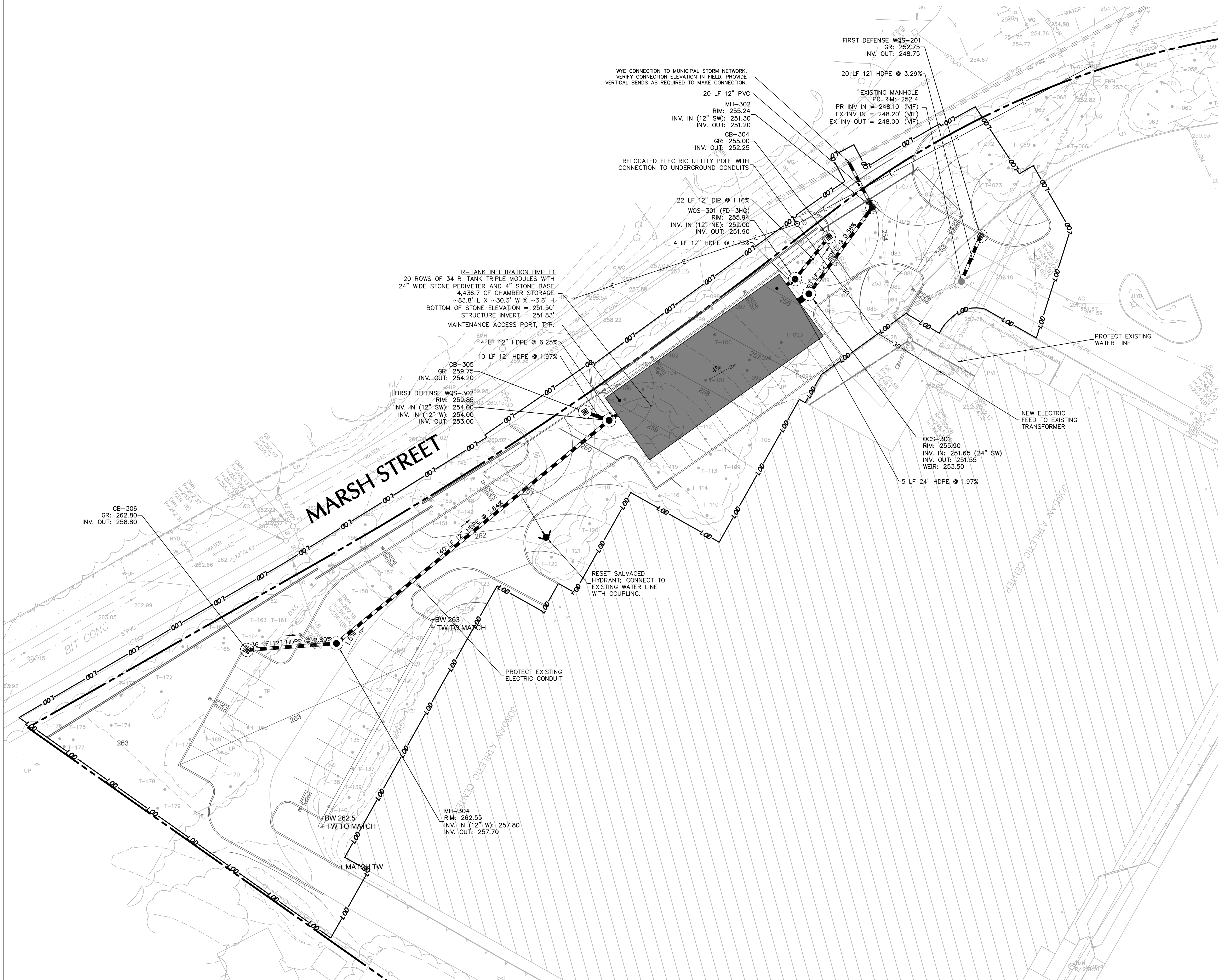
WASHOUT SIGN

- NOTES:
1. PIT IS SPECIFICALLY DESIGNATED, DIKED AND IMPERVIOUS CONTAINMENT TO PREVENT CONTACT BETWEEN CONCRETE.
  2. WASH AND STORMWATER.
  3. WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE.
  4. FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12".
  5. FACILITY SHALL NOT BE FILLED BEYOND 95% CAPACITY UNLESS A NEW FACILITY IS CONSTRUCTED.
  6. SAW CUT OFF-LAND CEMENT CONCRETE, RESIDUE FROM SAWCUT & GRINDING TO BE DISPOSED OF IN THE PIT.
  7. CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 100' FROM DRAINAGE WAYS, INLETS & SURFACE WATERS.
  8. MANUFACTURING CONCRETE WASHOUT DEVICES MAY BE USED IF REMOVED FROM THE SITE WHEN 95% FULL CAPACITY.

N.T.S.



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Revisions

Number	Date	Description

Job number

151021201

Drawn by

**KH, JW**

Checked by

**HH, FH**

Scale

**1"=20'**

Date

**07/27/2022**

Stamp

COMMONWEALTH OF MASSACHUSETTS

FRANK HOLMES

CIVIL

No. 40293

REGISTERED

PROFESSIONAL ENGINEER

FRANK HOLMES

Sheet Title

**DRAINAGE &  
UTILITIES  
PLAN I**

Sheet Number

**CU-110**

NOTE  
1. SEE SHEET CS-002 FOR NOTES AND LEGEND.  
2. SEE LANDSCAPE PLANS FOR DETAILED GRADING INFORMATION.

SCALE: 1 INCH = 20 FEET

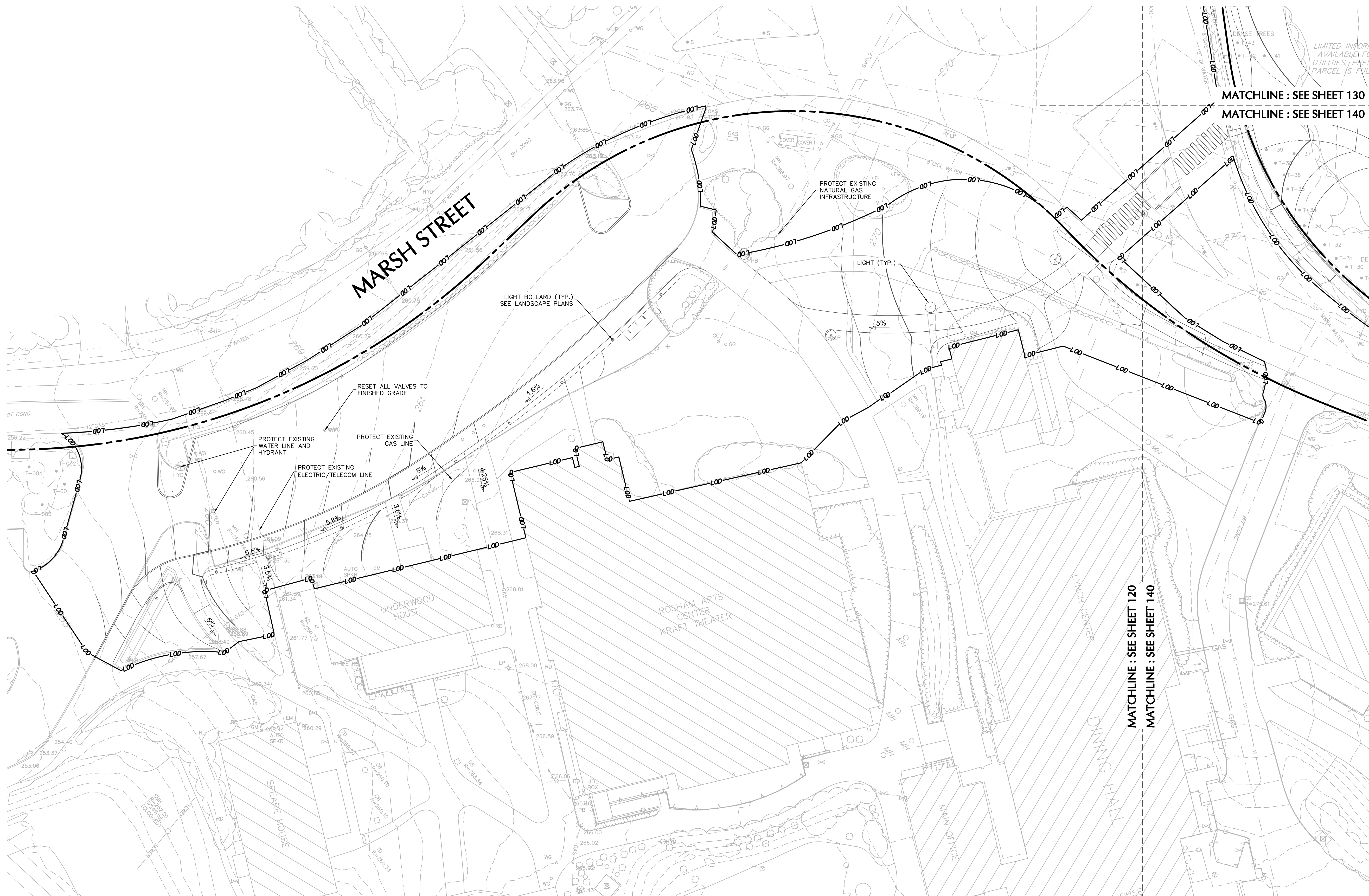


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
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Revisions		
Number	Date	Description

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Scale 1"=20'	Date 07/27/2022

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No. 40203  
REGISTERED  
PROFESSIONAL ENGINEER

*Frank Holmes*

Sheet Title

# DRAINAGE & UTILITIES PLAN II

Sheet Number

CU-120



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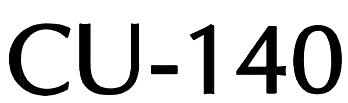
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Scale <b>1"=20'</b>	Date <b>07/27/2022</b>

Sheet Number

CU-130



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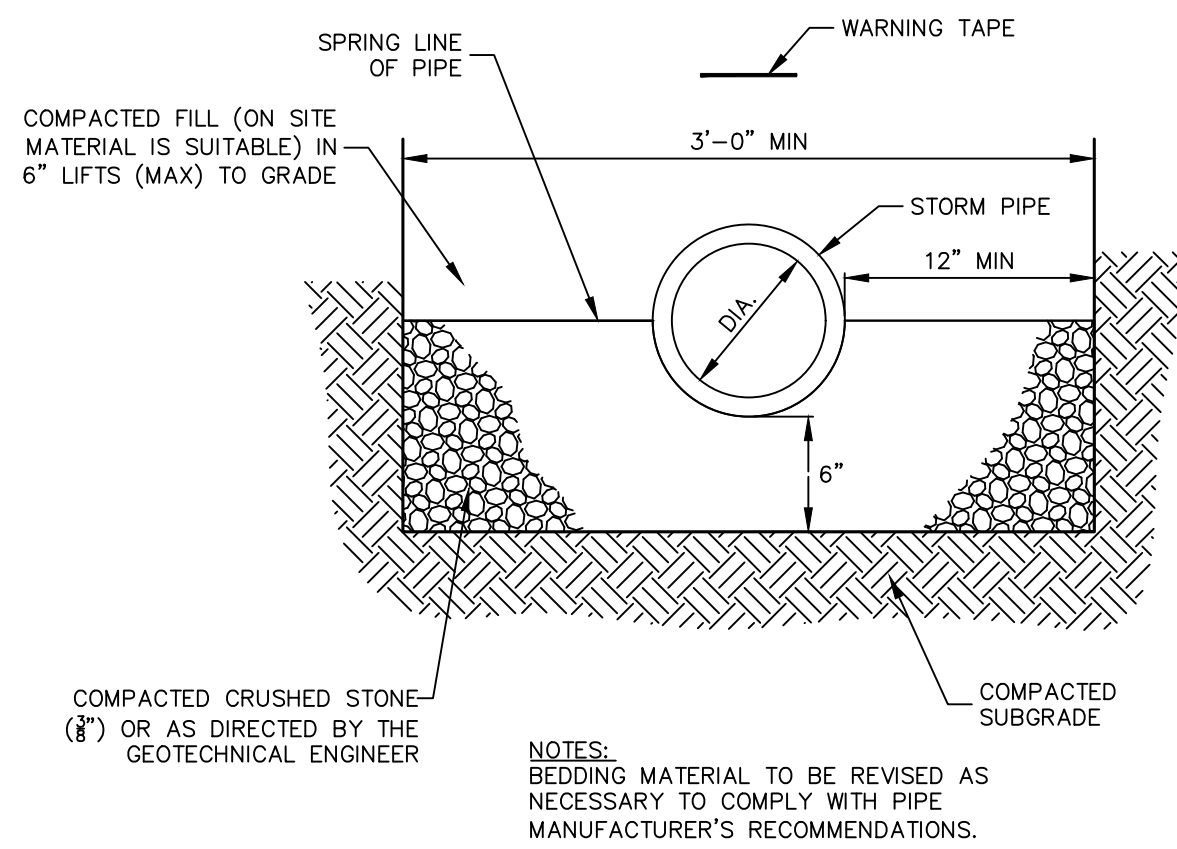
**NOTE**

1. SEE SHEET CS-002 FOR NOTES AND LEGEND.
2. SEE LANDSCAPE GRADING PLANS FOR DETAILED GRADING INFORMATION.

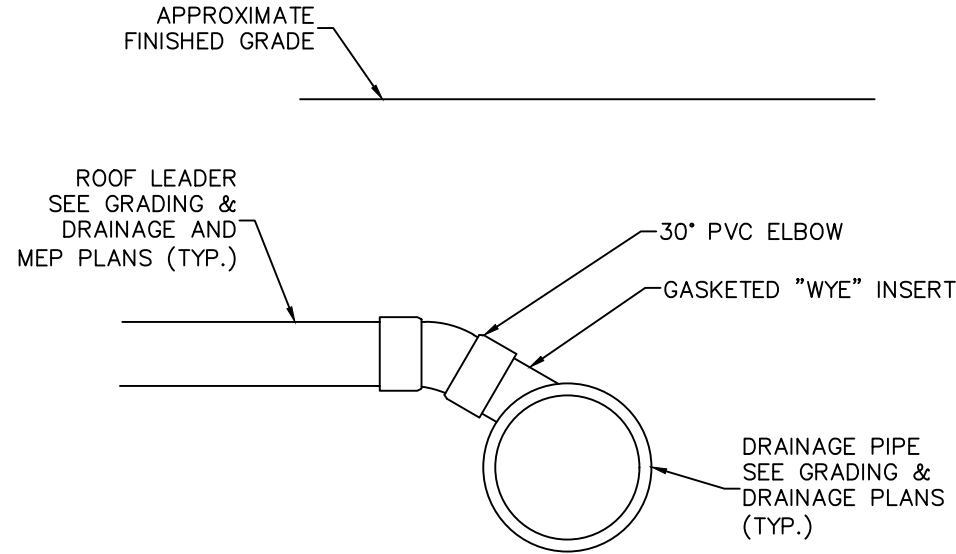
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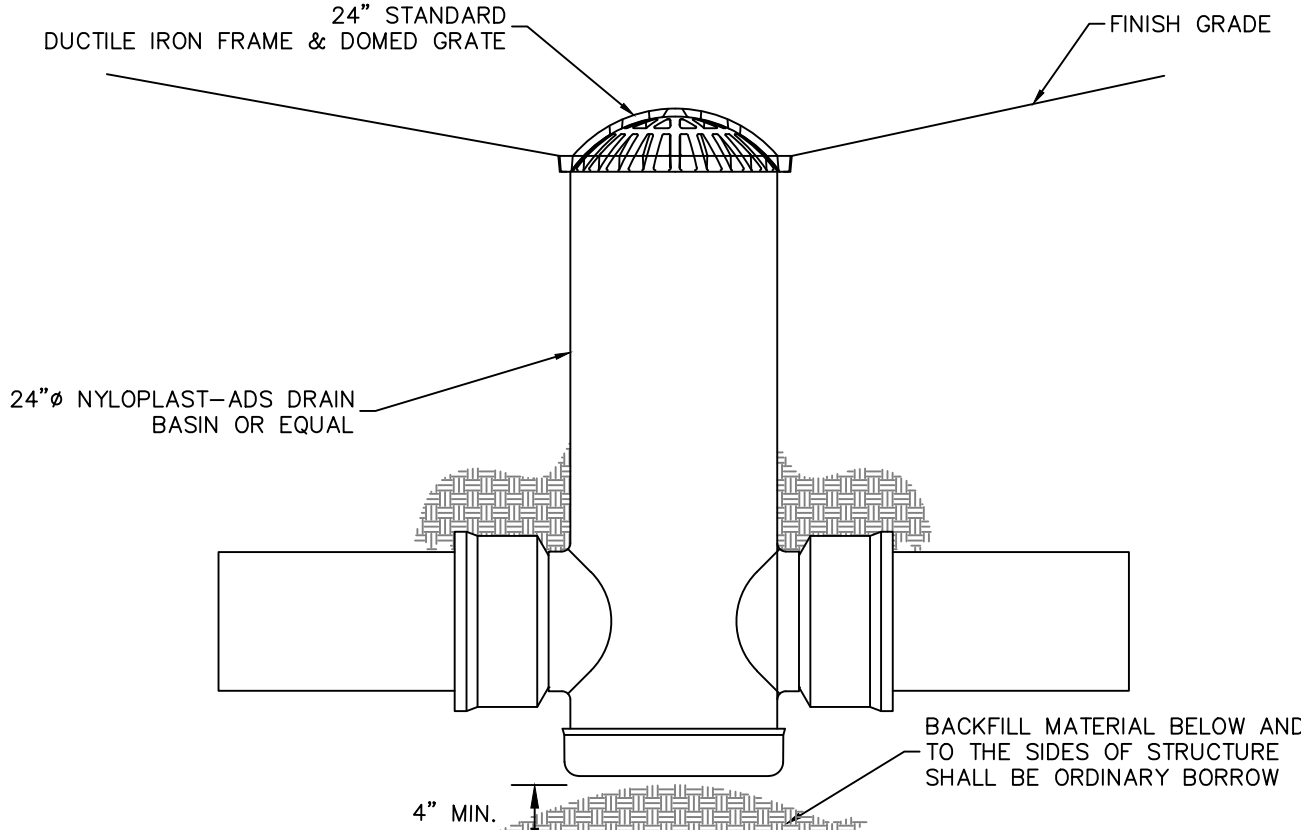




1 STORMWATER TRENCH / BEDDING  
N.T.S.

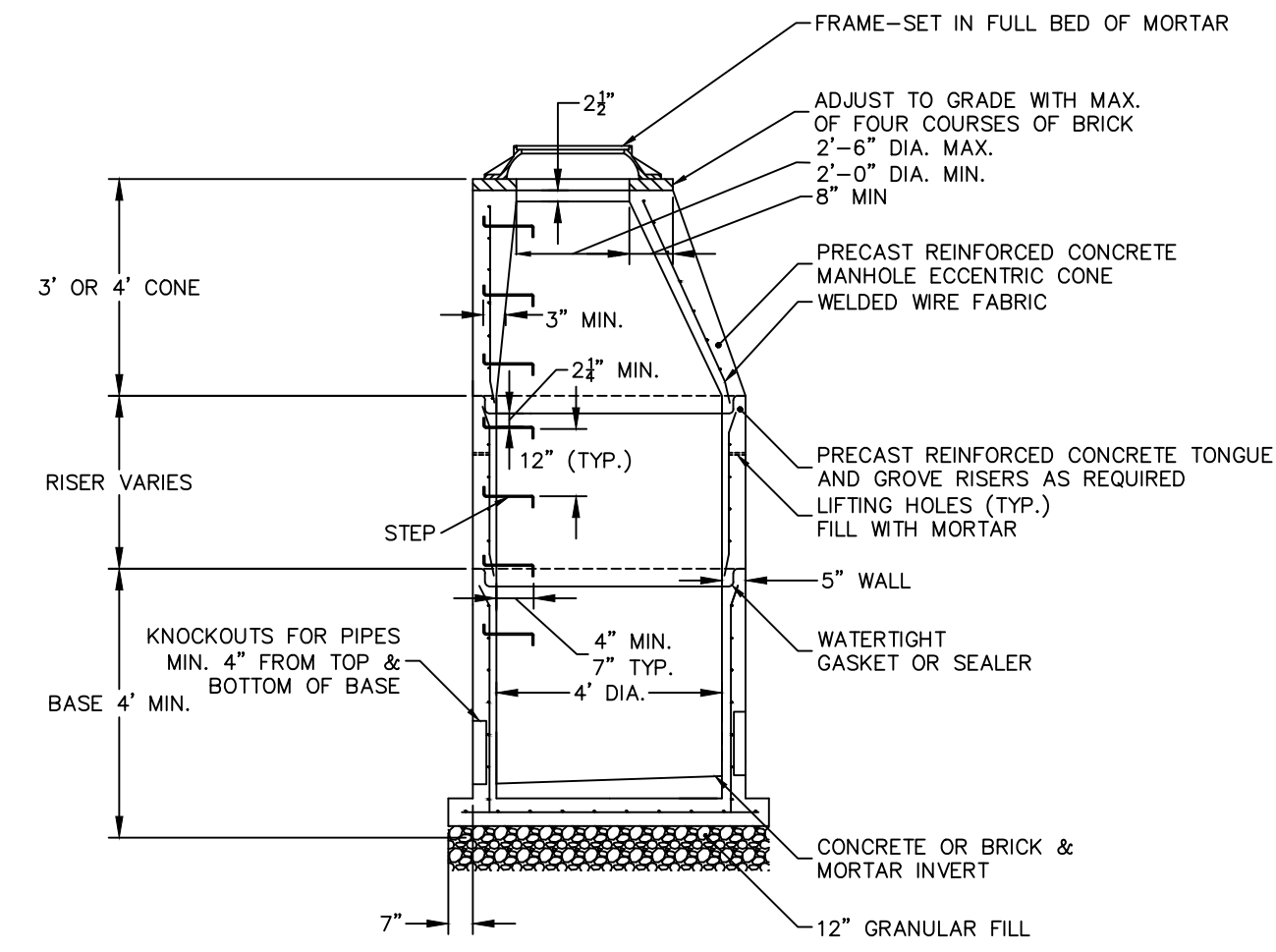


2 ROOF DRAIN CONNECTION TO MAIN  
N.T.S.



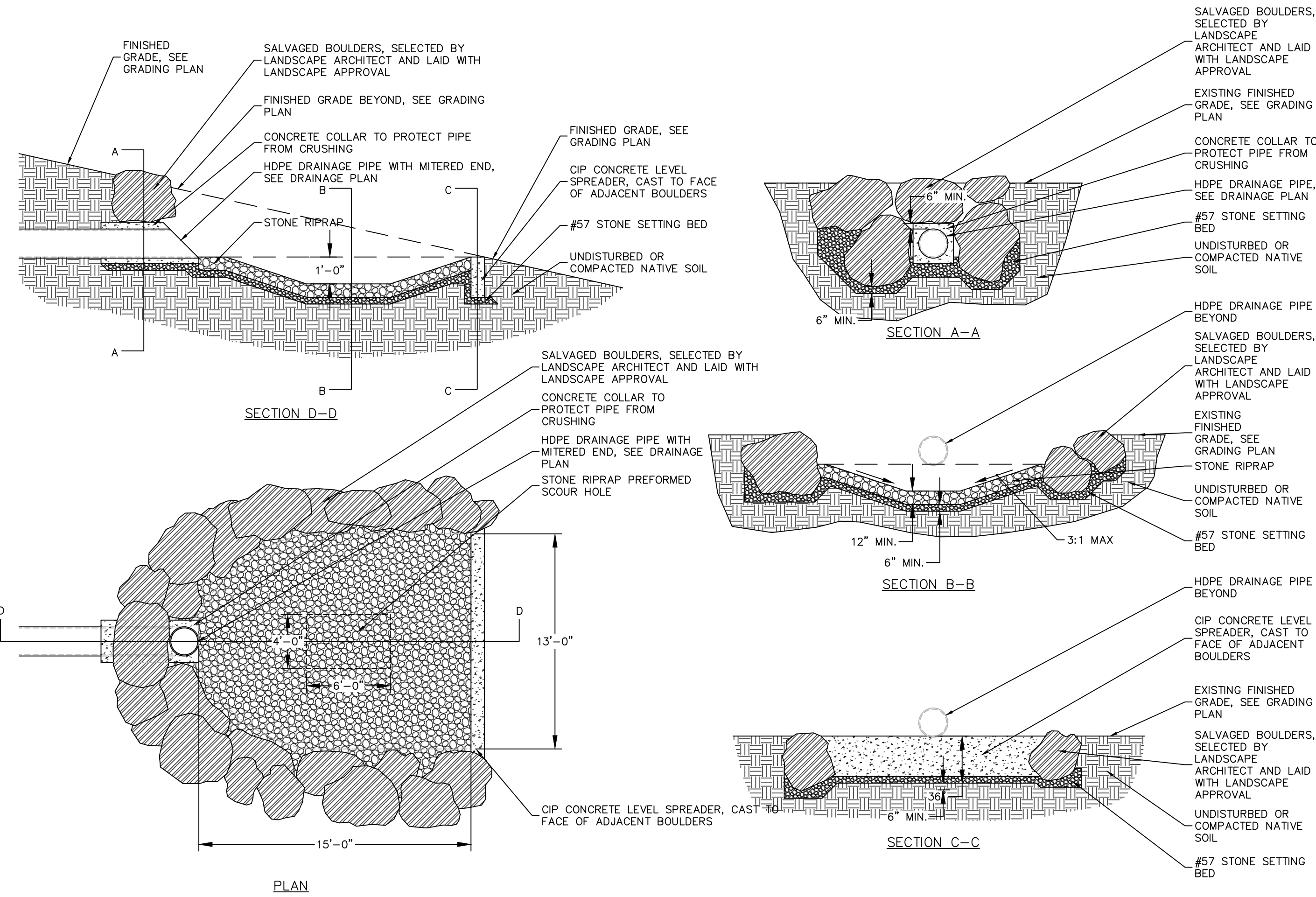
- NOTES:
1. GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.2
  2. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
  3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.
  4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
  5. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°.

3 AREA DRAIN  
N.T.S.

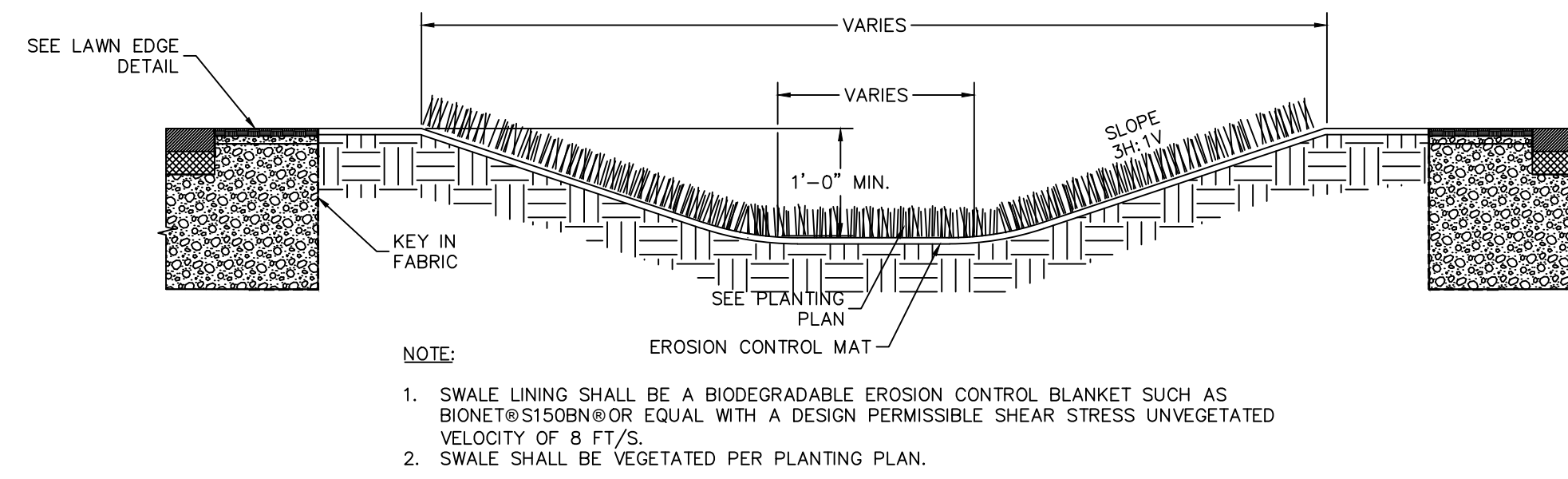


- NOTES:
1. 5' OR 6' DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5' OR 6' BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE. MINIMUM 6" WALL DIMENSION SHOULD BE PROVIDED BETWEEN ALL PIPES.
  2. FRAME DIAMETER OF 3'-3" WITH 4" FLANGE MUST BE USED WHEN THE TOP DIA. OF THE PRECAST CONE IS LESS THAN 3'-6". ALL OTHER FRAME DIMENSIONS ARE TO REMAIN THE SAME.
  3. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF  $f'_c = 4000$  PSI SHALL BE OBTAINED PRIOR TO SHIPPING.

4 STORMWATER MANHOLE  
N.T.S.



5 RIPRAP PROTECTION & SCOUR HOLE  
N.T.S.



6 VEGETATED SWALE  
N.T.S.

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Revisions		
Number	Date	Description

Job number 151021201  
Drawn by **KH, JW** Checked by **HH, FH**  
Scale **N/A** Date **07/27/2022**

Stamp  
  
*Frank Holmes*

Sheet Title  
**DRAINAGE &  
UTILITY  
DETAILS I**

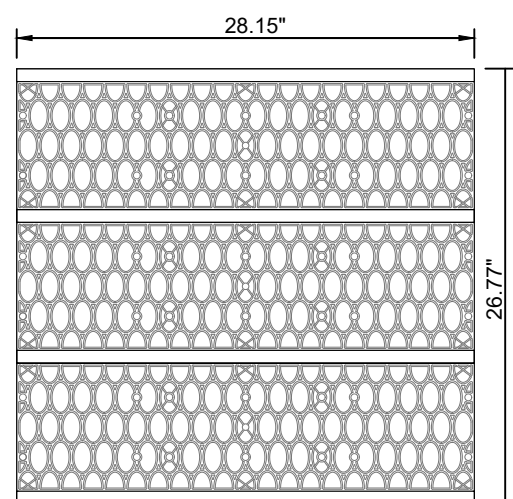
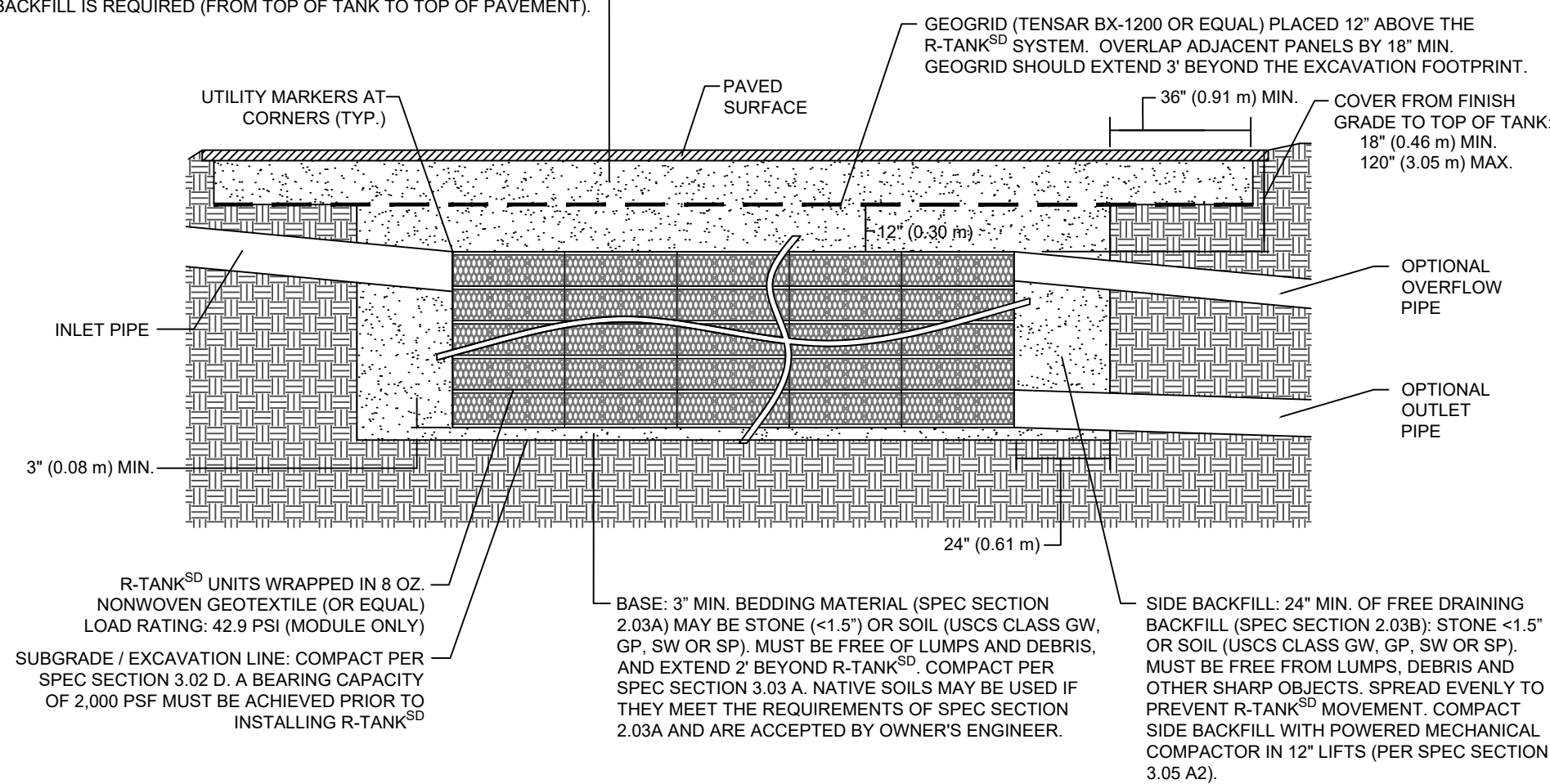
Sheet Number

**CU-531**

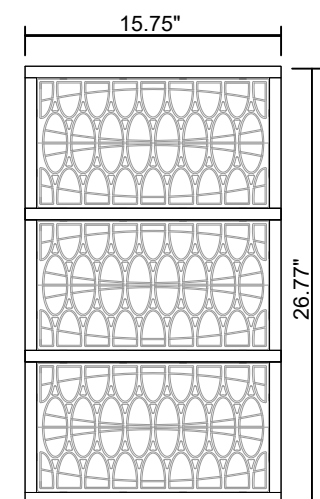


TOTAL COVER: 18" MINIMUM AND 120" MAXIMUM. FIRST 12" MUST BE FREE DRAINING BACKFILL (SPEC SECTION 2.03B); STONE <1.5" OR SOIL (USCS CLASS GW, GP, SW OR SP). ADDITIONAL FILL MAY BE STRUCTURAL FILL (SPEC SECTION 2.03c); STONE OR SOIL (USCS CLASS SM, SP, SW, GM, GP OR GW) WITH MAX CLAY CONTENT <10%, MAX 25% PASSING NO. 200 SIEVE, AND MAX PLASTICITY INDEX OF 4. A MIN. 12" COVER MUST BE MAINTAINED BETWEEN BACKFILL EQUIPMENT AND THE TOP OF THE R-TANK™ SYSTEM AT ALL TIMES. TOTAL HEIGHT OF TOP BACKFILL SHOULD NOT EXCEED 10'. CONTACT ACF ENVIRONMENTAL IF MORE THAN 10' OR LESS THAN 18" OF TOP BACKFILL IS REQUIRED (FROM TOP OF TANK TO TOP OF PAVEMENT).

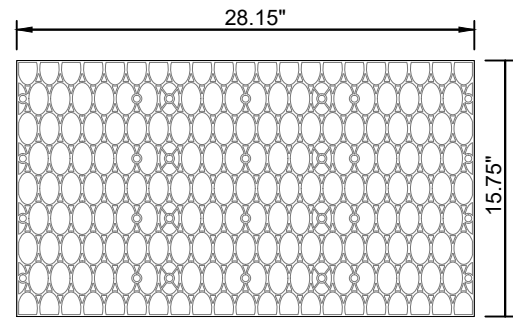
- NOTES:
- FOR COMPLETE MODULE DATA, SEE APPROPRIATE R-TANK<sup>®</sup> MODULE SHEET.
  - INSTALLATIONS PER THIS DETAIL MEET GUIDELINES OF HL-93 LOADING PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, CUSTOMARY U.S. UNITS, 7TH EDITION, 2014 WITH 2015 AND 2016 INTERIM REVISIONS.
  - PRE-TREATMENT STRUCTURES NOT SHOWN.
  - FOR INFILTRATION APPLICATIONS, GEOTEXTILE ENVELOPING R-TANK SHALL BE ACF M200 (PER SPEC SECTION 2.02A) AND BASE SHALL BE 4" MIN. UNCOMPACTED FREE DRAINING BACKFILL (PER SPEC SECTION 2.03A) TO PROVIDE A LEVEL BASE. SURFACE MUST BE SMOOTH, FREE OF LUMPS OR DEBRIS, AND EXTEND 2' BEYOND R-TANK<sup>®</sup> FOOTPRINT.



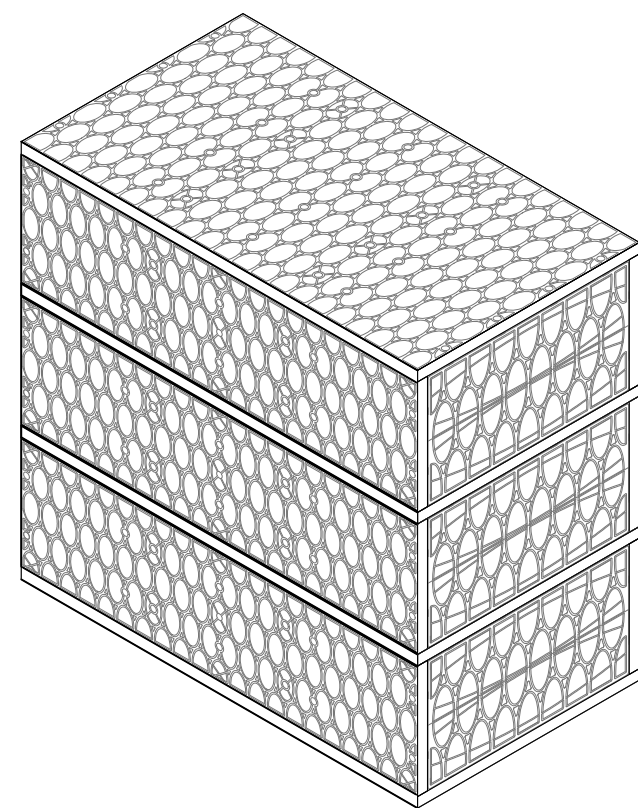
SIDE VIEW



FRONT VIEW



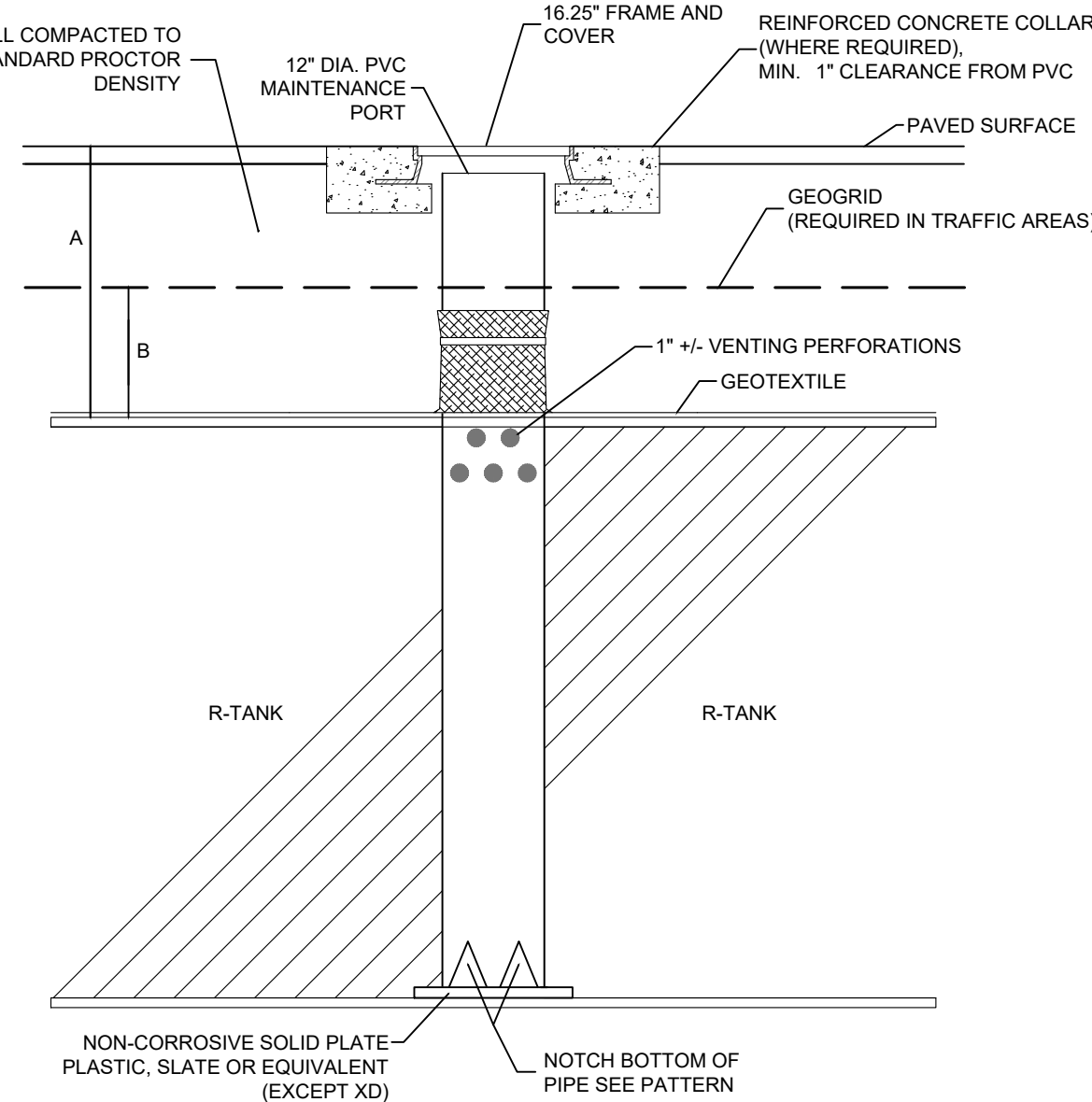
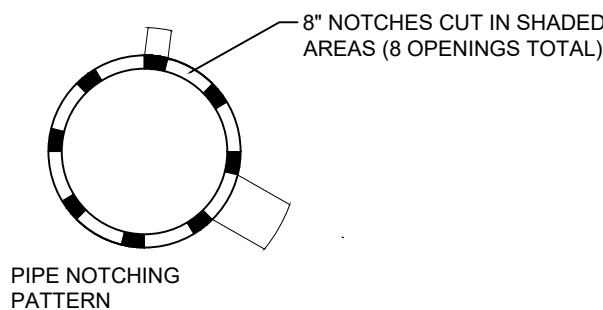
PLAN VIEW



ISOMETRIC VIEW

- NOTES
- THIS PORT IS USED TO PUMP WATER INTO THE SYSTEM AND RE-SUSPEND ACCUMULATED SEDIMENT SO THAT IT MAY BE PUMPED OUT.
  - MINIMUM REQUIRED MAINTENANCE INCLUDES A QUARTERLY INSPECTION DURING THE FIRST YEAR OF OPERATION AND A YEARLY INSPECTION THEREAFTER. FLUSH AS NEEDED.
  - ONLY R-TANK<sup>®</sup>, R-TANK<sup>®</sup>, R-TANK<sup>®</sup>, AND R-TANK<sup>®</sup> MAY BE USED IN TRAFFIC APPLICATIONS.
  - IF MAINTENANCE PORT IS LOCATED IN A NON-TRAFFIC AREA, A PLASTIC CAP CAN BE USED IN LEU OF A FRAME AND COVER WITH CONCRETE COLLAR.

DEPTH SUMMARY		
TYPE	A	B
R-TANK <sup>®</sup>	18" MIN - 9.99' MAX	12"



## R-TANK INFILTRATION BMP - SECTION VIEW

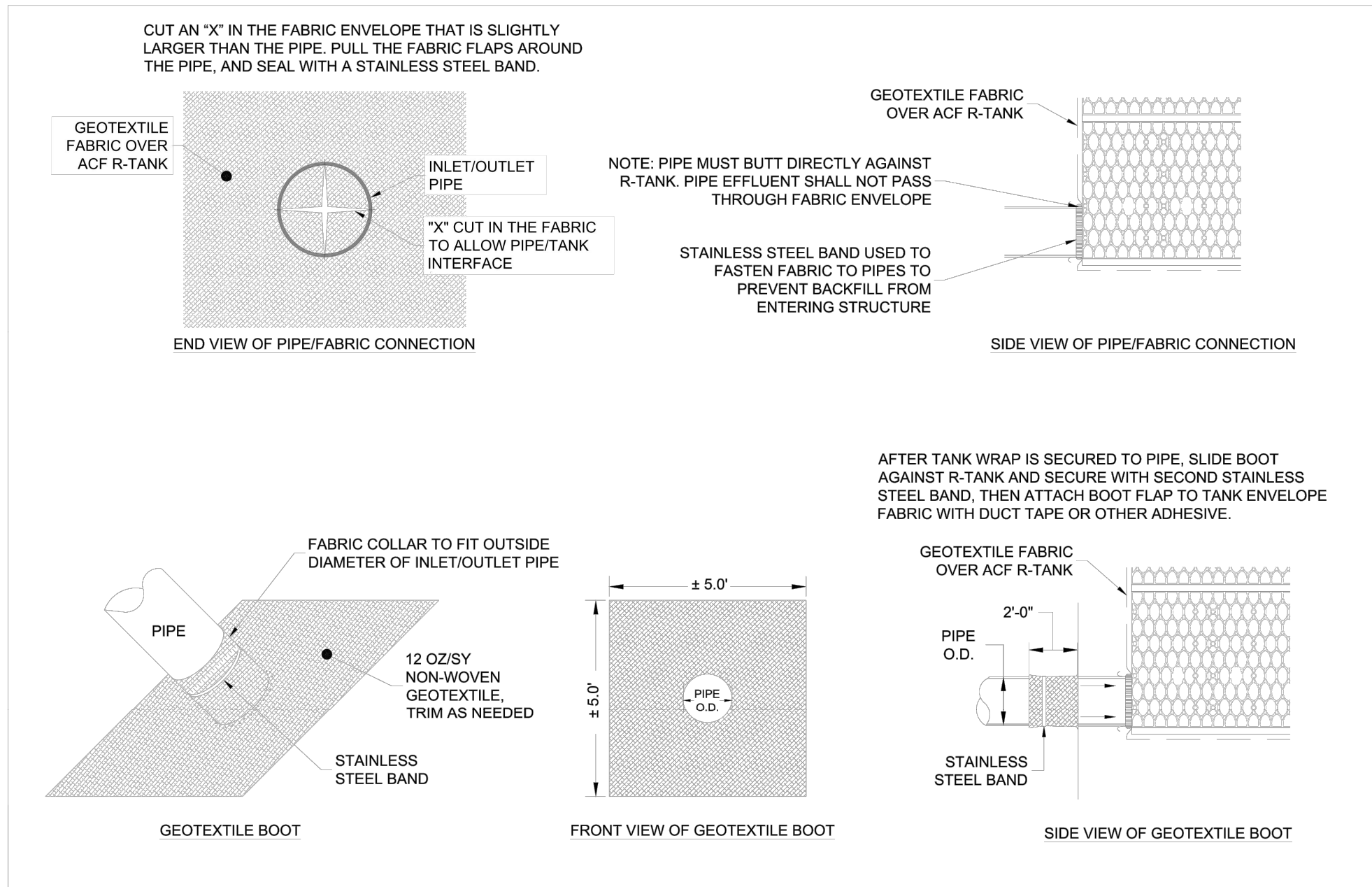
N.T.S. — PROVIDED BY ACF ENVIRONMENTAL

## R-TANK INFILTRATION BMP - TRIPLE MODULE

N.T.S. — PROVIDED BY ACF ENVIRONMENTAL

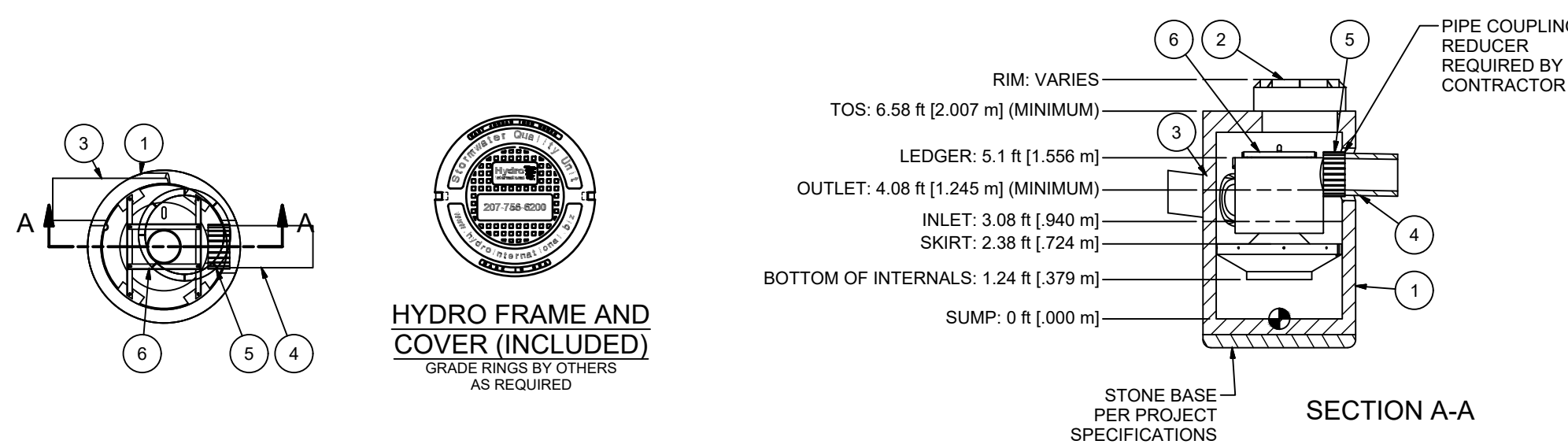
## R-TANK MAINTENANCE PORT

N.T.S. — PROVIDED BY ACF ENVIRONMENTAL

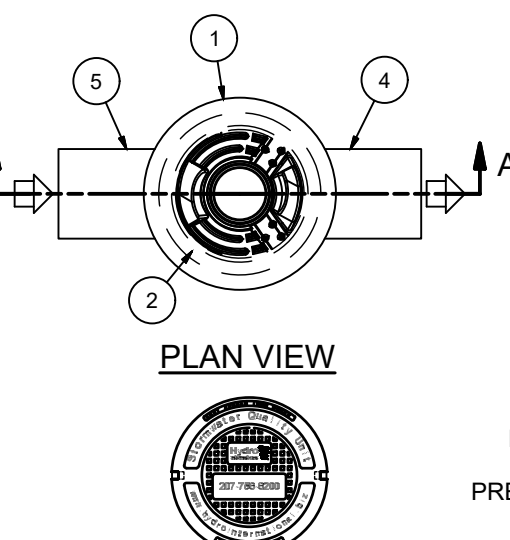


## R-TANK INFILTRATION BMP - INLET/OUTLET WITH GEOTEXTILE BOOT

N.T.S. — PROVIDED BY ACF ENVIRONMENTAL



HYDRO FRAME AND COVER (INCLUDED)  
GRADE RINGS BY OTHERS AS REQUIRED



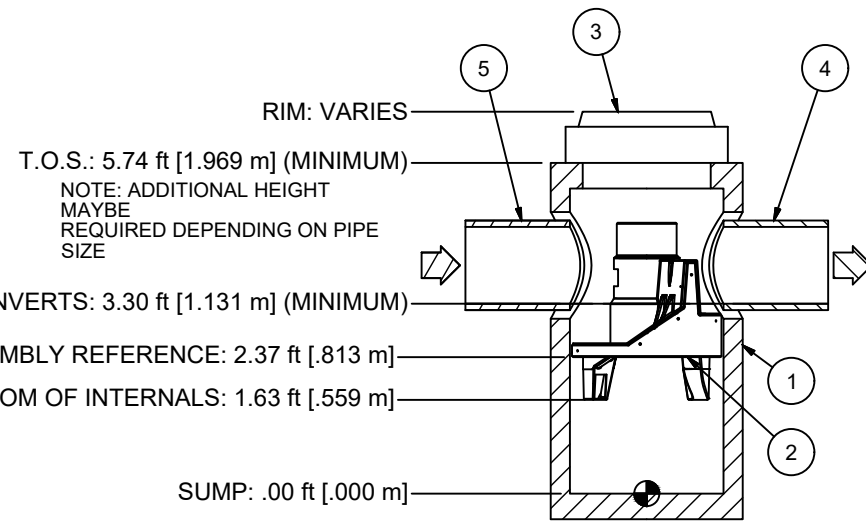
HYDRO FRAME AND COVER (INCLUDED)  
GRADE RINGS BY OTHERS AS REQUIRED

### PRODUCT SPECIFICATION:

- Peak Hydraulic Flow: 15.0 cfs (424 l/s)
- Min Sediment Storage Capacity: 0.4 cu. yd. (0.3 cu. m.)
- Maximum Inlet/Outlet Pipe Diameters: 18 in. (450 mm)

### GENERAL NOTES:

- General Arrangement drawings only. Contact Hydro International for site specific drawings.
- The diameter of the inlet and outlet pipes may be no more than 18".
- Multiple inlet pipes possible (refer to project plan).
- Inlet/outlet pipe angle can vary to align with drainage network (refer to project plan.s)
- Peak flow rate and minimum height limited by available cover and pipe diameter.
- Larger sediment storage capacity may be provided with a deeper sump depth.



SECTION A-A

- MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.
- CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING FIRST DEFENSE MANHOLE.
- CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.

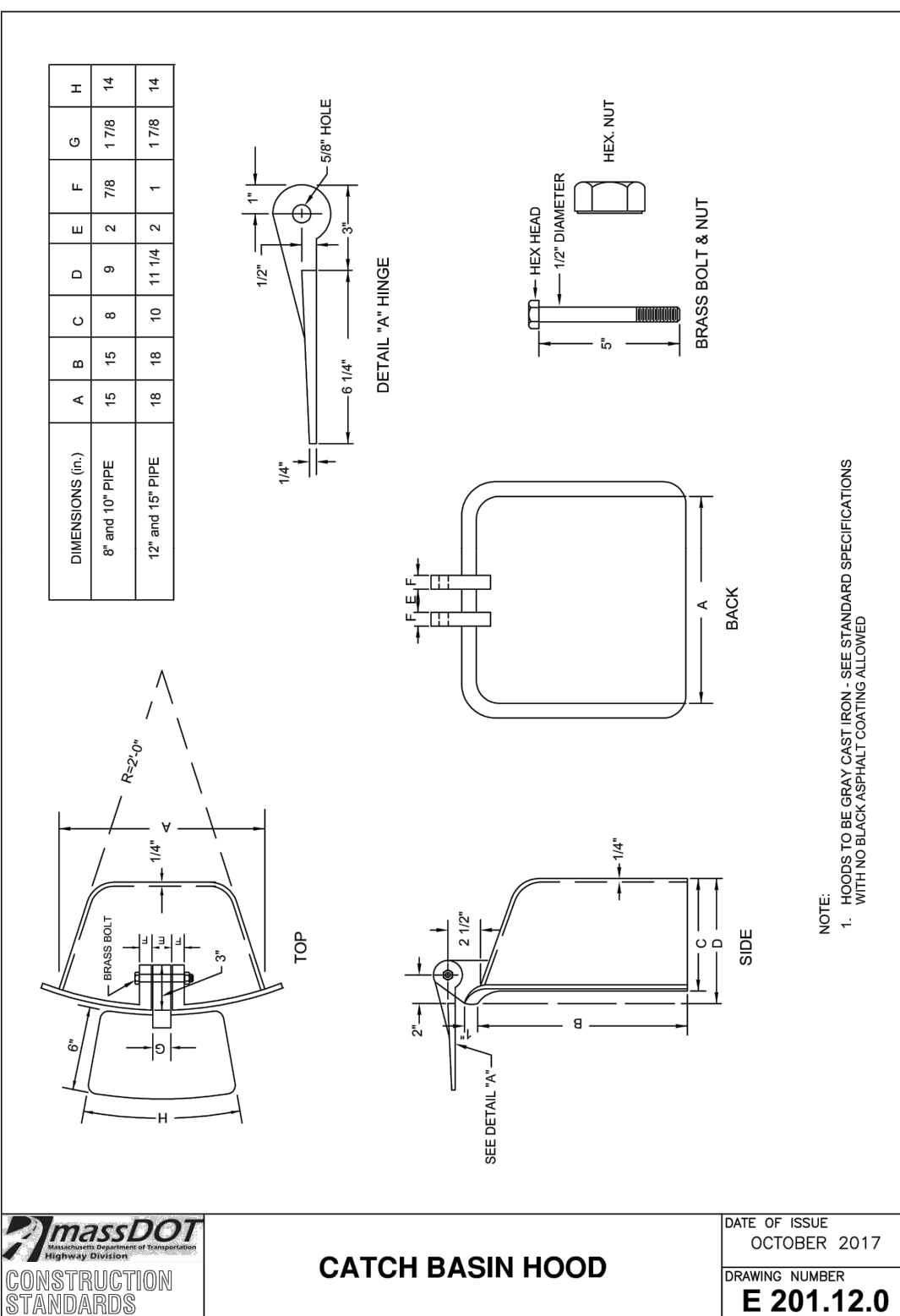
## FIRST DEFENSE WATER QUALITY STRUCTURE (3-FT DIAMETER)

N.T.S. — PROVIDED BY HYDRO INTERNATIONAL

EQUIPMENT PERFORMANCE  
The stormwater treatment unit shall adhere to the hydraulic parameters given in the chart below and provide the removal efficiencies and storage capacities as follows:

- The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.
- Peak Hydraulic Capacity: 3.0 cfs (85 l/s)
- Sediment Storage Capacity: 0.70 cu. yd. (0.53 cu. m)
- Continuous Oil Storage Capacity: 70 gal. (265 liters)
- Sediment shall be stored in a zone that is isolated from the main flow path and protected from reentrainment by a benching skirt.
- OK-110 110 micron 80% TSS removal 1.56 cfs (44.2 l/s) (Independently Verified)

NOTE: NOT FOR CONSTRUCTION.  
CONTACT HYDRO FOR SITE SPECIFIC DETAIL



massDOT  
CONSTRUCTION STANDARDS

CATCH BASIN HOOD

DATE OF ISSUE  
OCTOBER 2017  
DRAWING NUMBER  
E 201.12.0

## DOWNSTREAM DEFENDER WATER QUALITY STRUCTURE (4-FT DIAMETER)

N.T.S. — PROVIDED BY HYDRO INTERNATIONAL

## CATCH BASIN HOOD

N.T.S. — PROVIDED BY MASSDOT

BELMONT HILL  
SCHOOL  
BELMONT, MA

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Revisions		
Number	Date	Description

Job number 151021201  
Drawn by **KH, JW** Checked by **HH, FH**  
Scale **N/A** Date **07/27/2022**

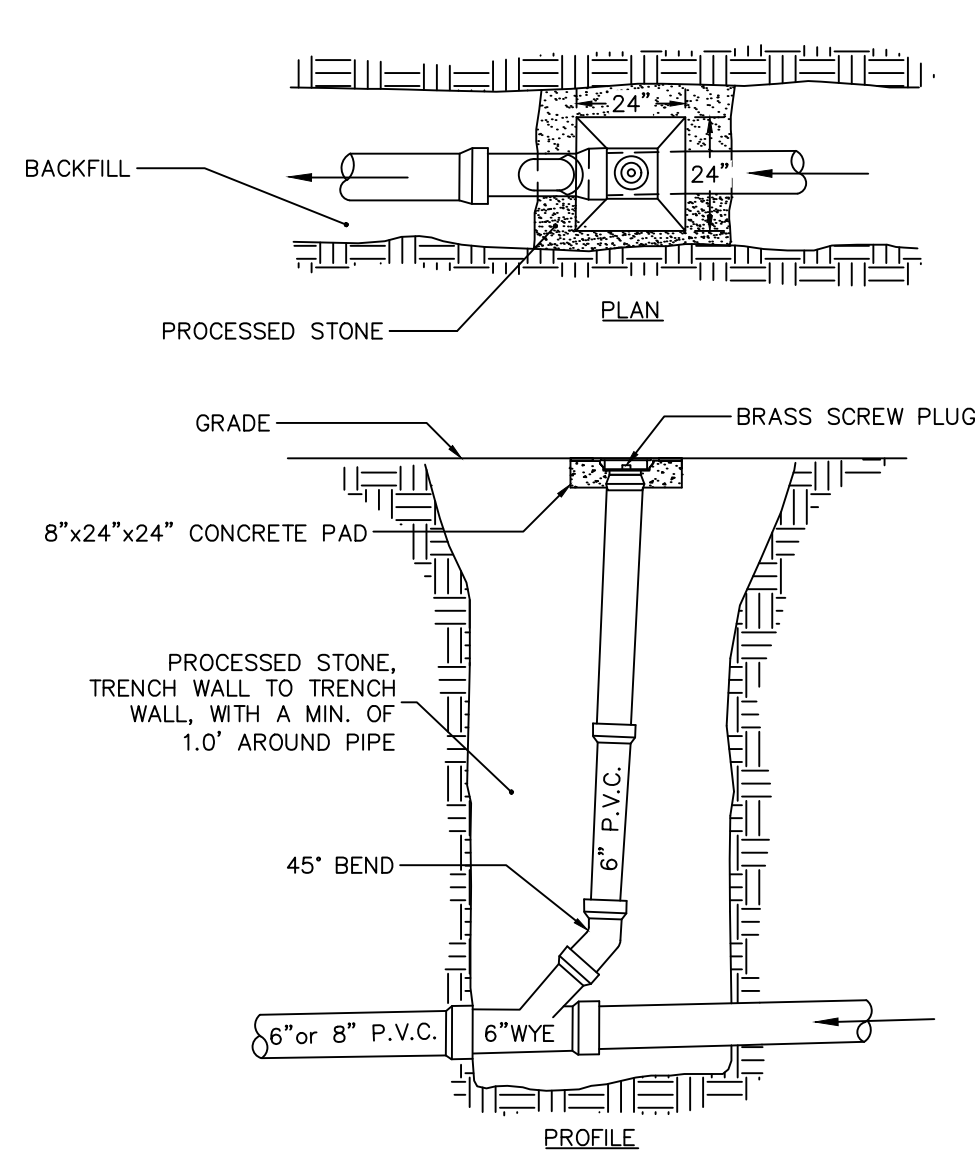
Stamp  
  
FRANK HOLMES

Sheet Title  
**DRAINAGE & UTILITY DETAILS II**

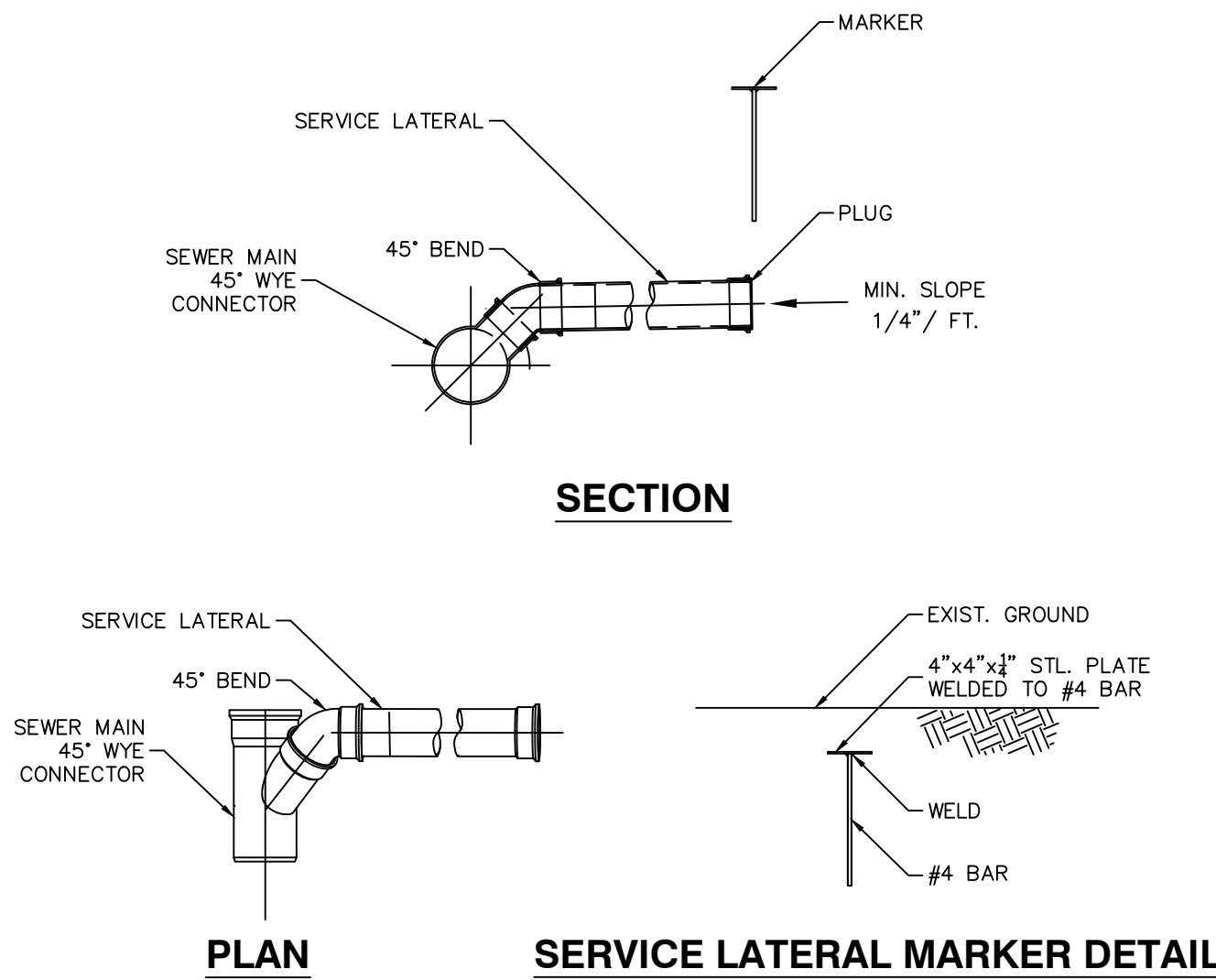
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**CU-532**

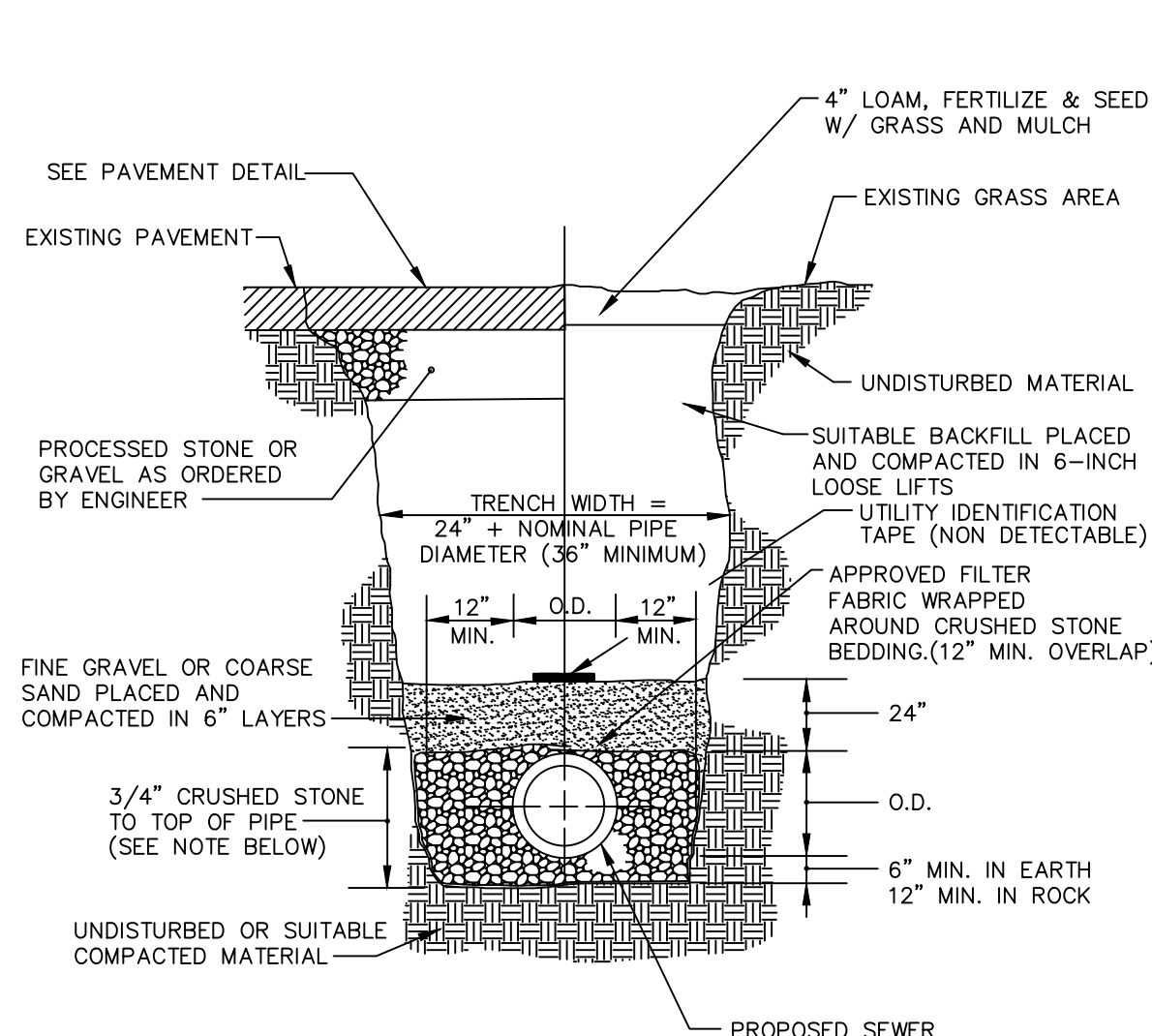




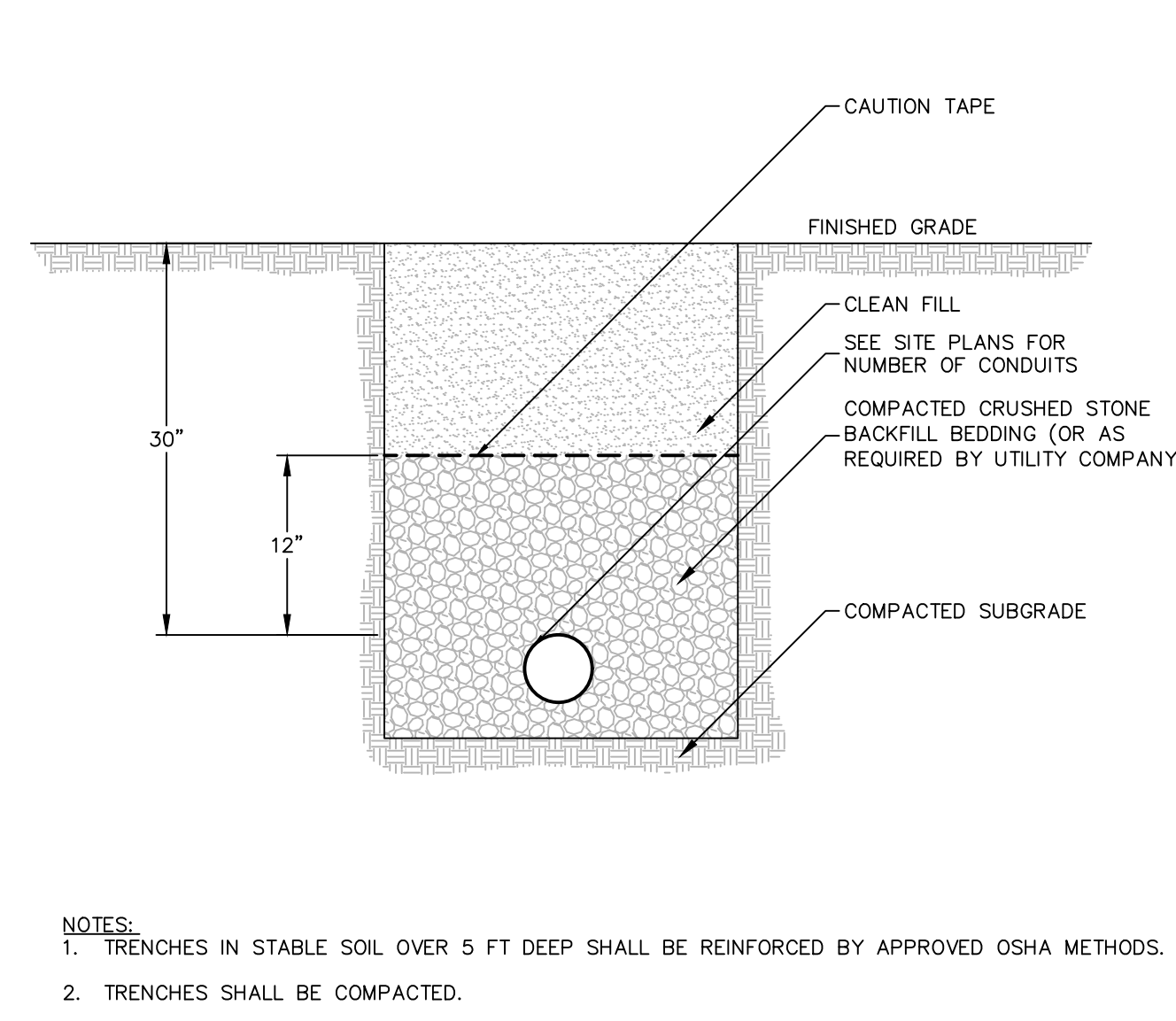
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N.T.S.



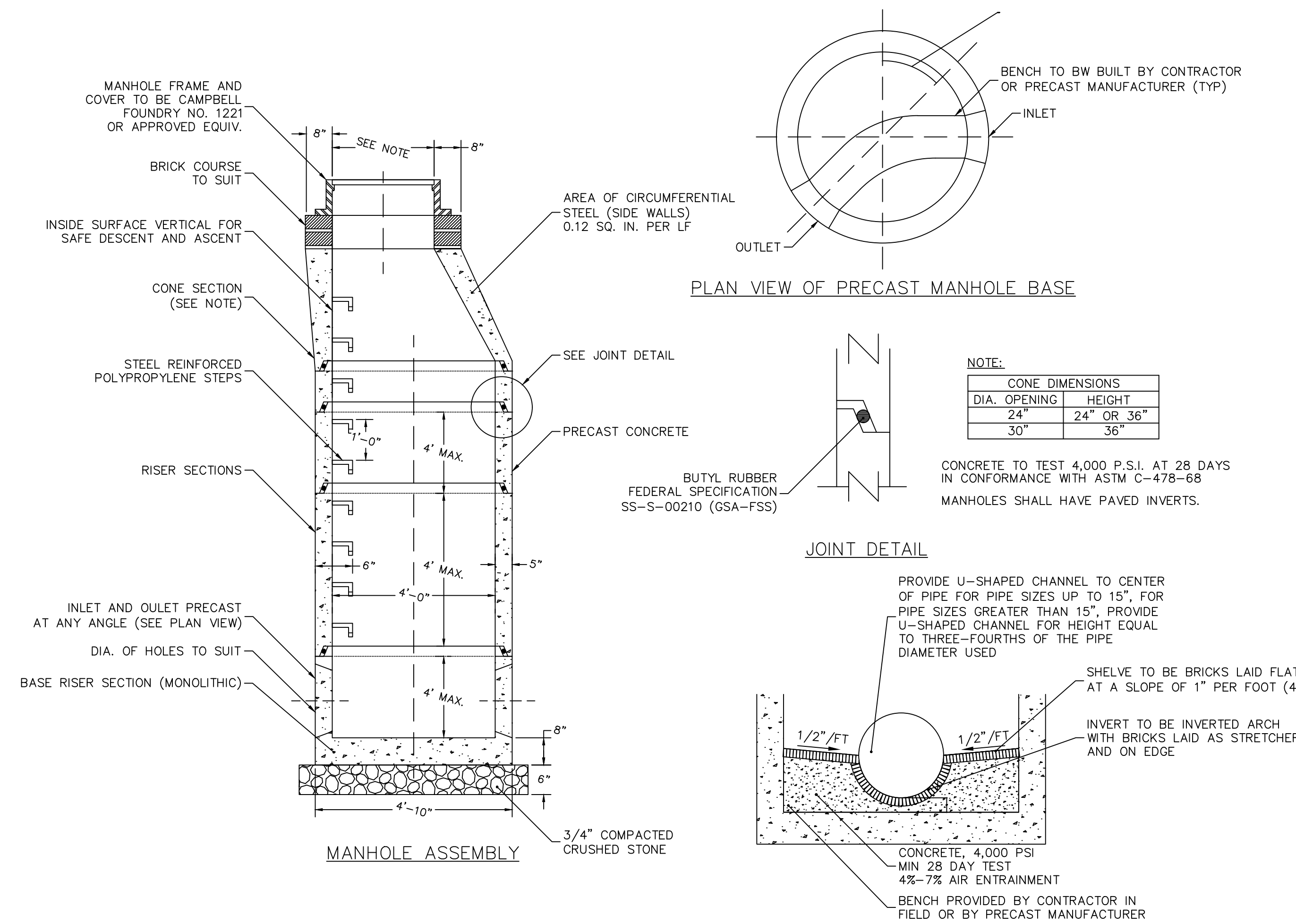
2 SANITARY SEWER MAIN CONNECTION  
N.T.S.



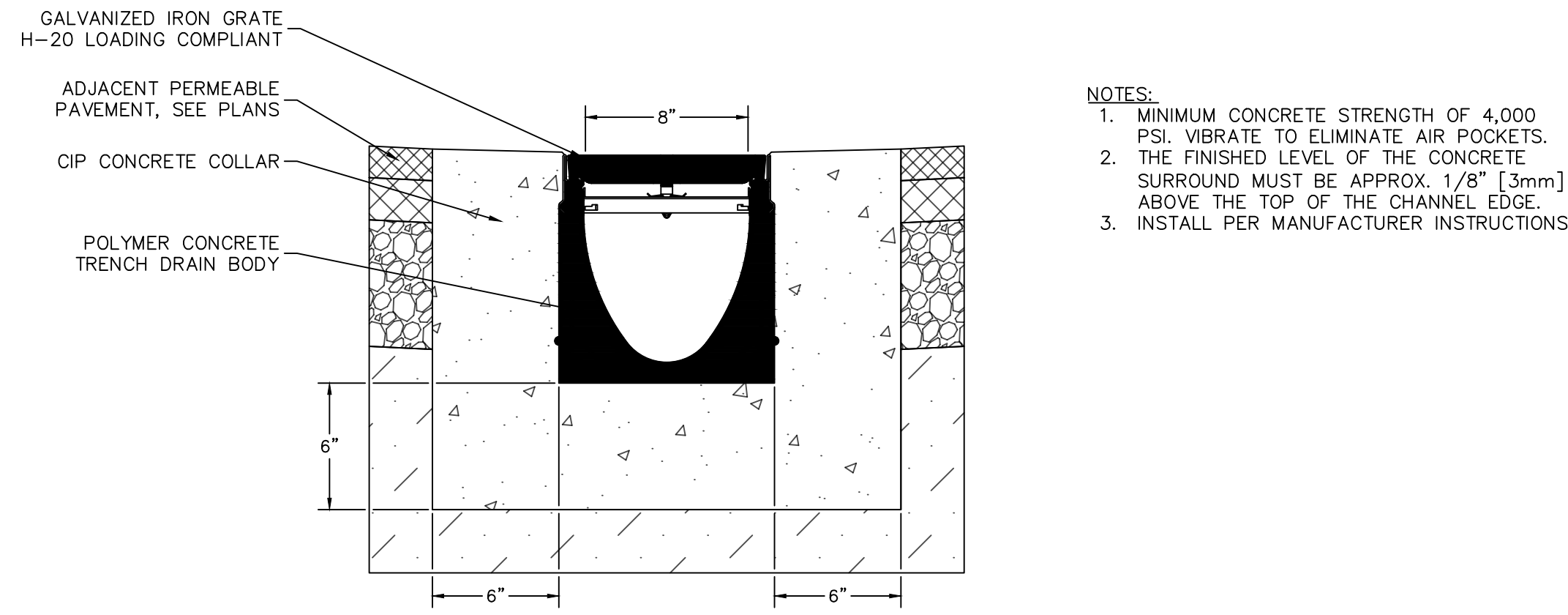
3 TRENCH - SANITARY SEWER  
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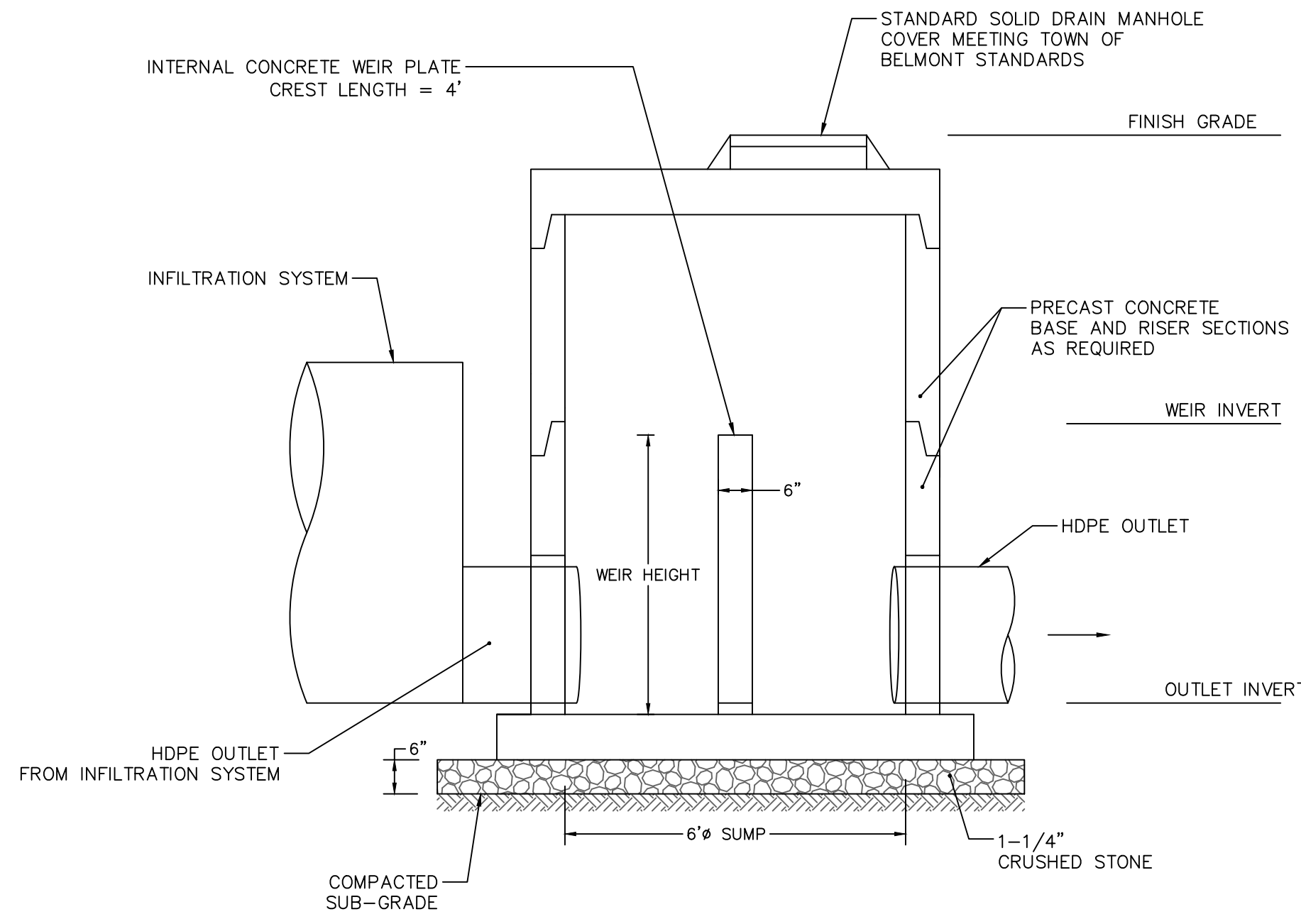
4 TRENCH - TELECOM UTILITY  
N.T.S.



5 SANITARY SEWER MANHOLE  
N.T.S.




6 TRENCH DRAIN  
N.T.S.



7 OUTLET CONTROL STRUCTURES  
N.T.S.





Revisions		
Number	Date	Description
Job number 151021201		
Drawn by	KH, JW	Checked by HH, FH
Scale	N/A	Date 07/27/2022
Stamp 		
Sheet Title <b>DRAINAGE &amp; UTILITY DETAILS IV</b>		
Sheet Number <b>CU-534</b>		



FOR PERMITTING ONLY. NOT FOR CONSTRUCTION.



BELMONT FIRE TRUCK TURNING TEMPLATE

JORDAN LOT ENLARGEMENT - ENTRANCE ONLY

SCALE: 1 INCH = 40 FEET

SCALE: 1 INCH = 40 FEET

NOTE: TRUCK DIMENSIONS BASED ON TOWN OF BELMONT FIRE DEPARTMENT FOR LADDER 1.

Revisions		
Number	Date	Description

Job number 151021201  
Drawn by **JW** Checked by **HH**  
Scale **1"=40'** Date **07/27/2022**

Stamp

FRANK HOLMES

Sheet Title

**TURNING  
MOVEMENTS -  
FIRETRUCK ENTER**

Sheet Number

**TM101**

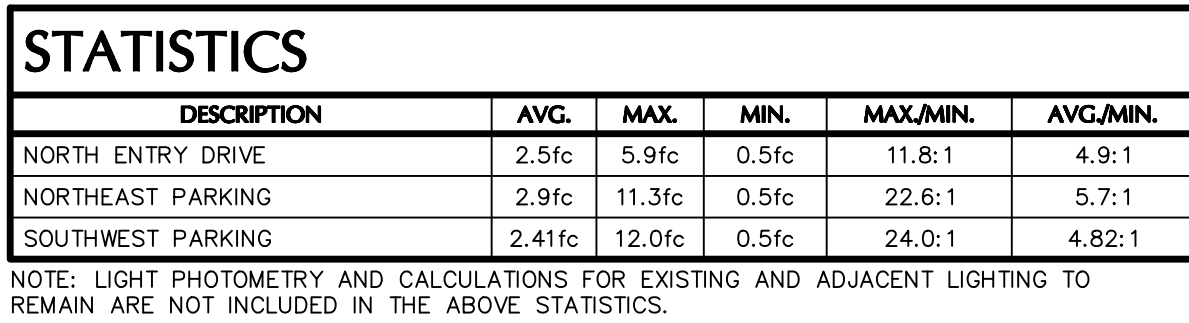


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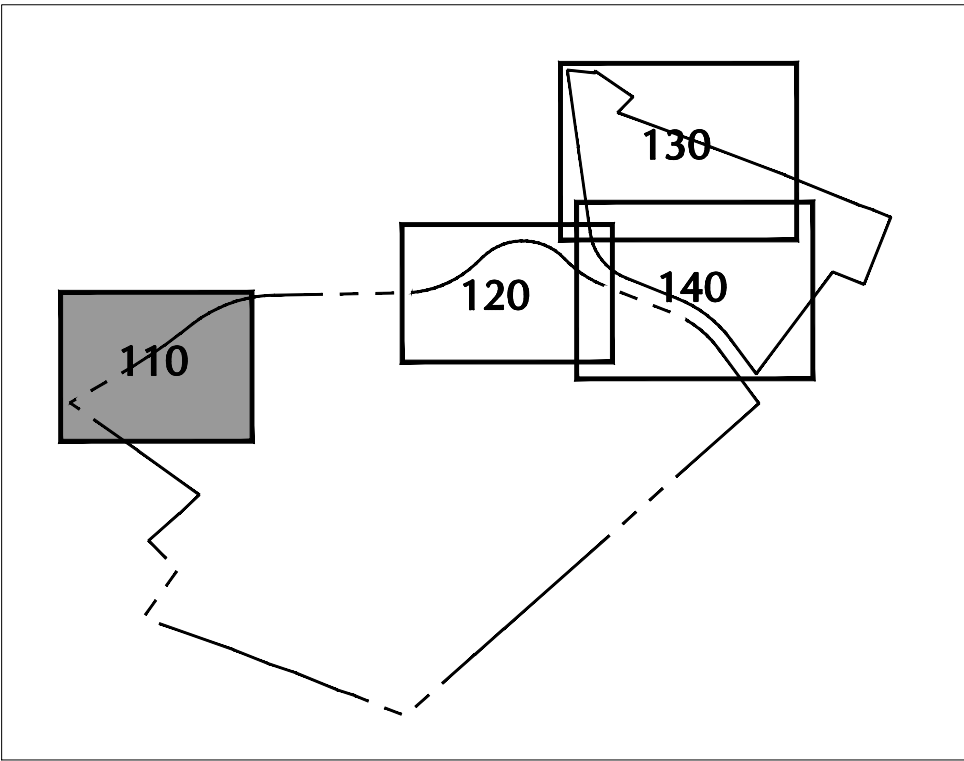


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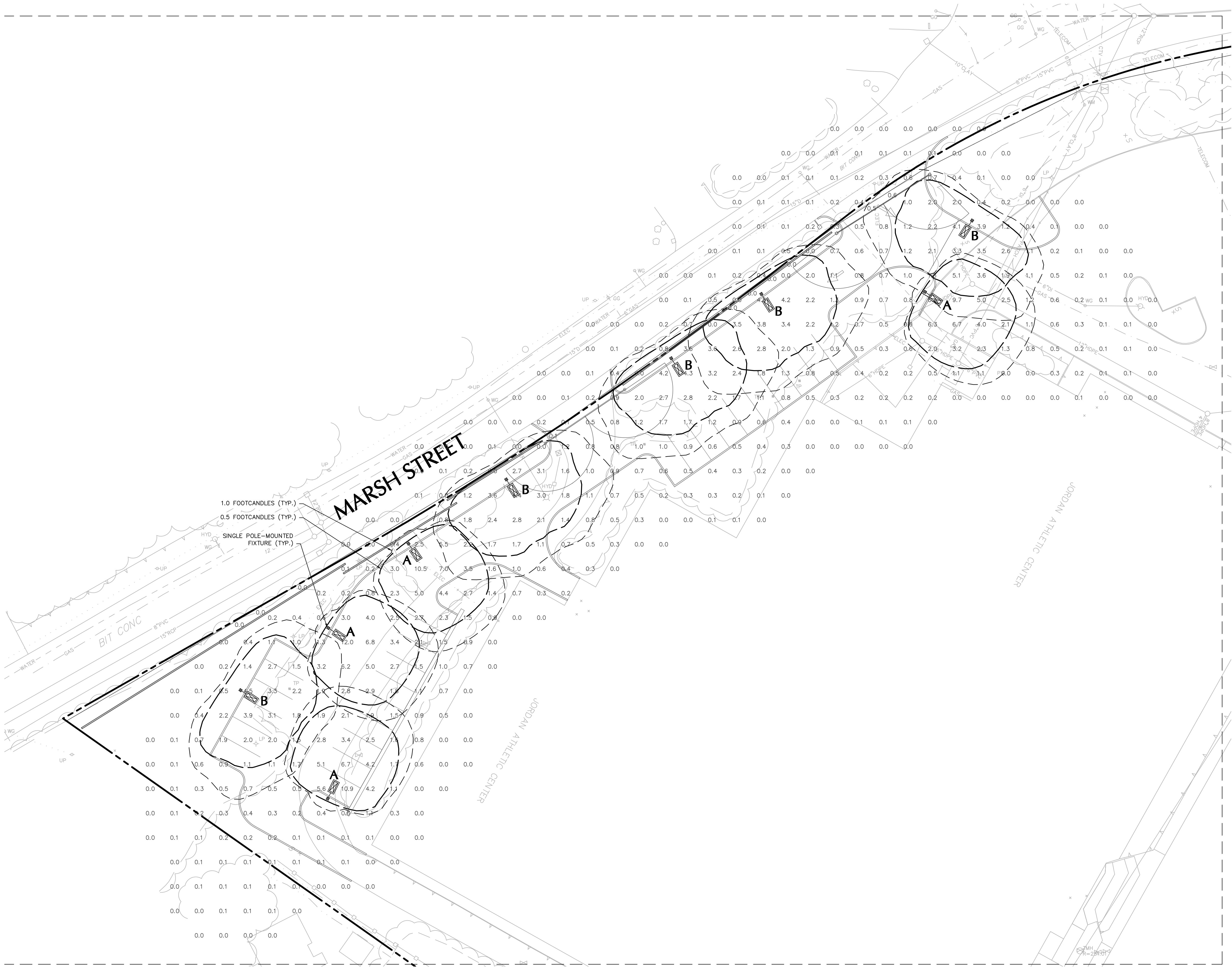








KEY PLAN



Revisions		
Number	Date	Description

Job number 151021201  
Drawn by **AS** Checked by **MH**  
Scale **1"=20'** Date **07/27/2022**

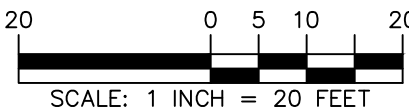


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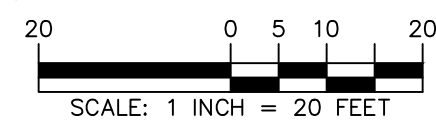
**SITE  
LIGHTING  
PLAN**

Sheet Number

**LL-110**



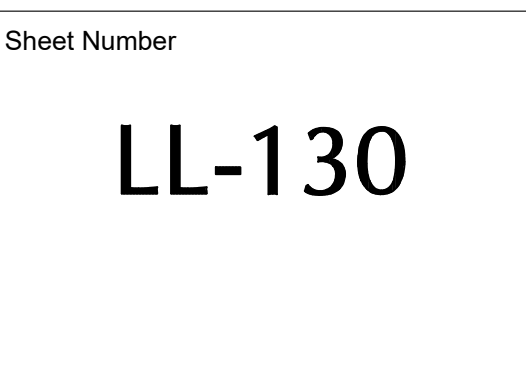




Sheet Number

LL-120





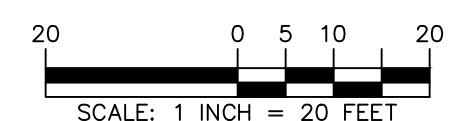


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**MAINTENANCE  
BUILDING**

LL-140









LED wall luminaire - surface washer

BEGA

**Application**  
LED wall luminaire with asymmetrical light distribution designed for illuminating horizontal surfaces from vertical mounting fixtures.

**Material**  
Luminaires housing and brackets constructed of die cast marine grade, 6061-T6 aluminum. Housing coated in AArch aluminum alloy. Case with glass of pure anodized aluminum. Bracket: finish of pure anodized aluminum. Bracket polished electrolytically for coating, plasma treated for increased strength.

LED temperature: diffuse green.

Mechanically casted stainless steel fasteners.

NOTE: listed for North American Standards, suitable for wet locations.

Weight: 1.5 lbs.

**Electrical**  
Operating voltage: 120-277V AC  
Minimum start temperature: 20°C  
LED flicker: no flicker  
System voltage: 85-200V  
Connectivity: 0-100 dimmable  
Color rendering index: Ra > 90  
Luminous flux: 6,500 lumens (5000K)  
Luminous flux: 72,000 lm, 8,770  
Lifetime at Ta=25°C: 72,000 h, 8,770

**LED color temperature**  
□ 8000K - Product number = **KA**  
□ 5000K - Product number = **KB**  
□ 3000K - Product number = **KA**  
□ 2700K - Product number = **KBP**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details.

**Finish**  
All BEGA standard finishes are matte, textured polyester powder coat with minimum 2 mil thickness.

Available colors: □ Black (BLK) □ White (WHY) □ RAL □ Bronze (BRZ) □ Silver (SLV) □ Oils:



BEGA 1000 BEGA Way, Carpinteria, CA 93013 805.684.0322 info@bega-us.com  
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8

## FIXTURES E

N.T.S

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Revisions		
Number	Date	Description

Job number 151021201		
Drawn by	AC	Checked by MH
Scale	N/A	Date 07/27/2022



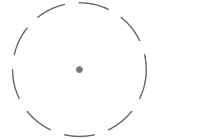

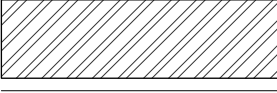
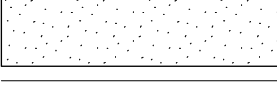


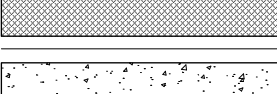
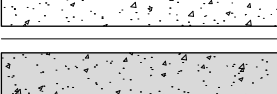
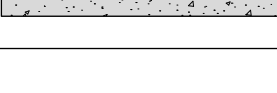
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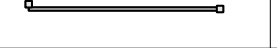
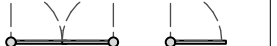
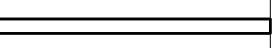



DETAIL

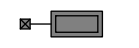
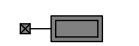

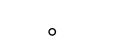









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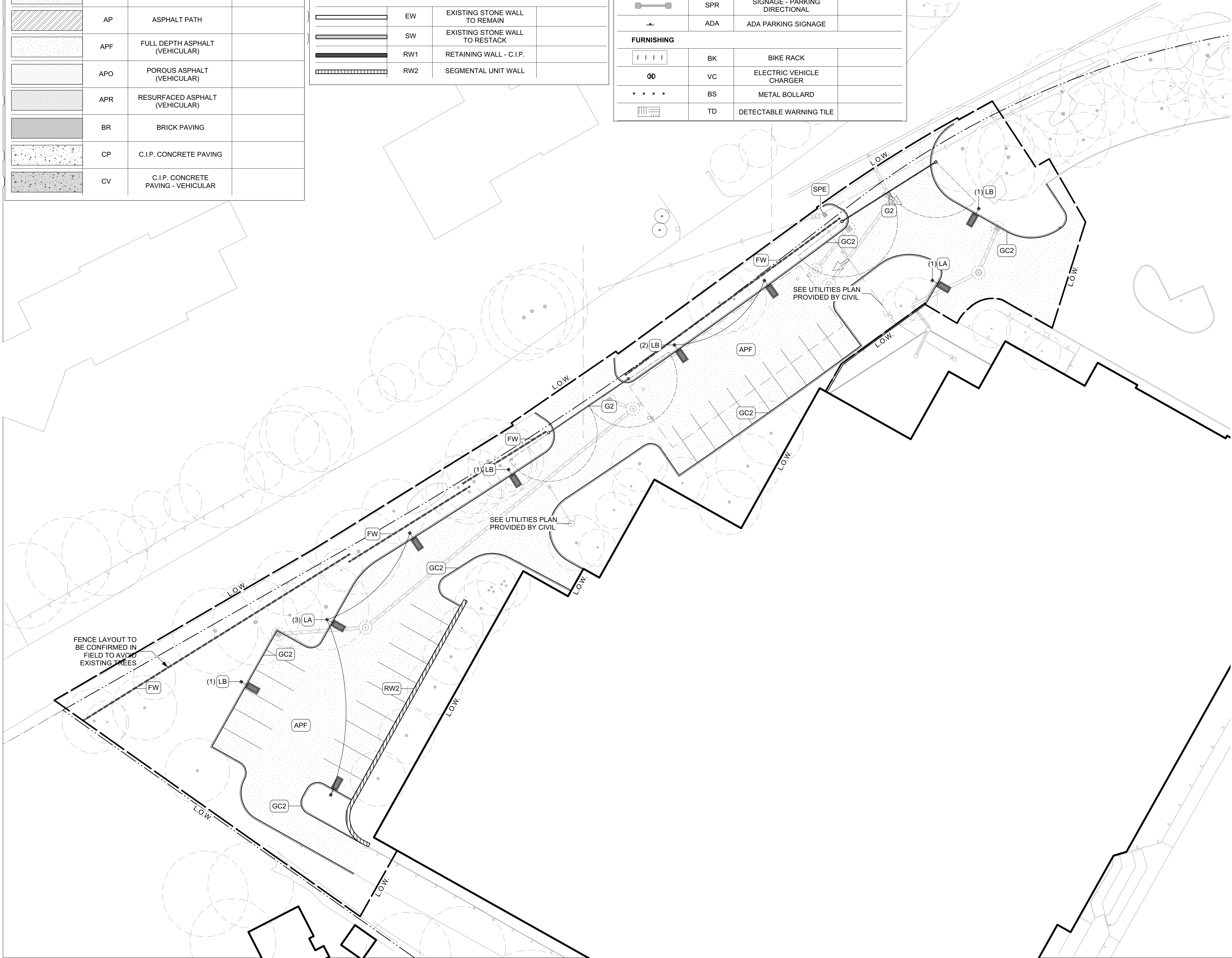
LL-501B



LEGEND:			
SYMBOL	KEYNAME	DESCRIPTION	NOTES
---		PROPERTY LINE	
<u>L.O.W.</u>	L.O.W.	LIMIT OF WORK	
	EX	EXISTING TREE TO REMAIN	
PAVING			
	APB	ASPHALT PATH WITH BRICK EDGING	
	AP	ASPHALT PATH	
	APF	FULL DEPTH ASPHALT (VEHICULAR)	
	APO	POROUS ASPHALT (VEHICULAR)	
	APR	RESURFACED ASPHALT (VEHICULAR)	
	BR	BRICK PAVING	
	CP	C.I.P. CONCRETE PAVING	
	CV	C.I.P. CONCRETE PAVING - VEHICULAR	

CURB			
	GC1	GRANITE CURB - VERTICAL	
	GC2	GRANITE CURB - TIPPED	
FENCING			
	FW	WOOD FENCE	
GATE			
	G1	SLIDING GATE	
	G2	SWINGING GATE	
WALL			
	EW	EXISTING STONE WALL TO REMAIN	
	SW	EXISTING STONE WALL TO RESTACK	
	RW1	RETAINING WALL - C.I.P.	
	RW2	SEGMENTAL UNIT WALL	

LIGHTING			
	LA	LIGHT POLE TYPE A PARKING LIGHT - SINGLE	
	LB	LIGHT POLE TYPE B PARKING LIGHT - SINGLE	
	LD	PATH POLE LIGHT	
	BL	BOLLARD LIGHT	
	RRFB	RECTAGULAR RAPID FLASHING BEACON	
SIGNAGE			
	SPD	SIGNAGE - PEDESTRIAN DIRECTIONAL	
	SPE	SIGNAGE - PARKING ENTRY	
	SPR	SIGNAGE - PARKING DIRECTIONAL	
	ADA	ADA PARKING SIGNAGE	
FURNISHING			
	BK	BIKE RACK	
	VC	ELECTRIC VEHICLE CHARGER	
	BS	METAL BOLLARD	
	TD	DETECTABLE WARNING TILE	



**BELMONT HILL  
SCHOOL  
BELMONT, MA**


**REED-HILDERBRAND**  
Landscape Architecture  
130 Bishop Allen Drive  
Cambridge MA, 02139  
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www.reedhilderbrand.com

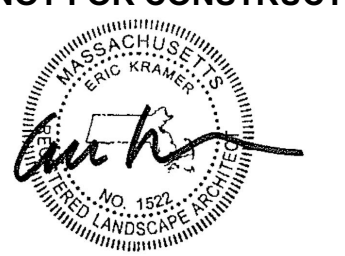
- GENERAL NOTES**
- Existing conditions and topography data are from surveys prepared on:  
  
23 December 2020 by Precision Land Surveying, Inc., 32 Turnpike Road, Southborough, MA, 01772
  - Contractor shall verify location of any existing utilities and services and provide protection during construction. Utilities damaged during construction shall be repaired at contractors expense.
  - Contractor shall obtain permits for the work as required and comply with all laws, ordinances, rules and regulations of the local jurisdiction, the state, and all other authorities having jurisdiction.
  - Contractor shall leave site clean and orderly during construction process. Remove from site all excess materials, soil, debris and equipment. Store materials only in an approved location.

Revisions

Number	Date	Description

Job number XXX  
Drawn by MVRD Checked by EFK  
Scale 1" = 20' Date 27 JULY 2022

0' 20' 40' 

Stamp **PERMIT SET:  
NOT FOR CONSTRUCTION**  


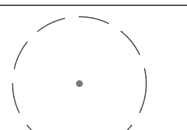

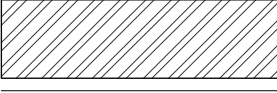
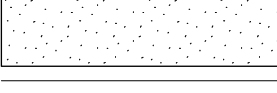


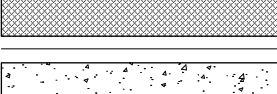
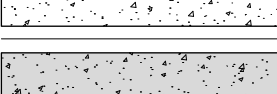

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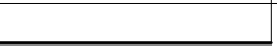



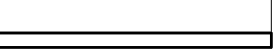



**MATERIALS  
PLAN: ZAMBONI  
LOT**

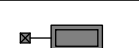


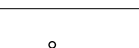




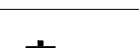


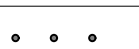
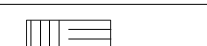
Sheet Number

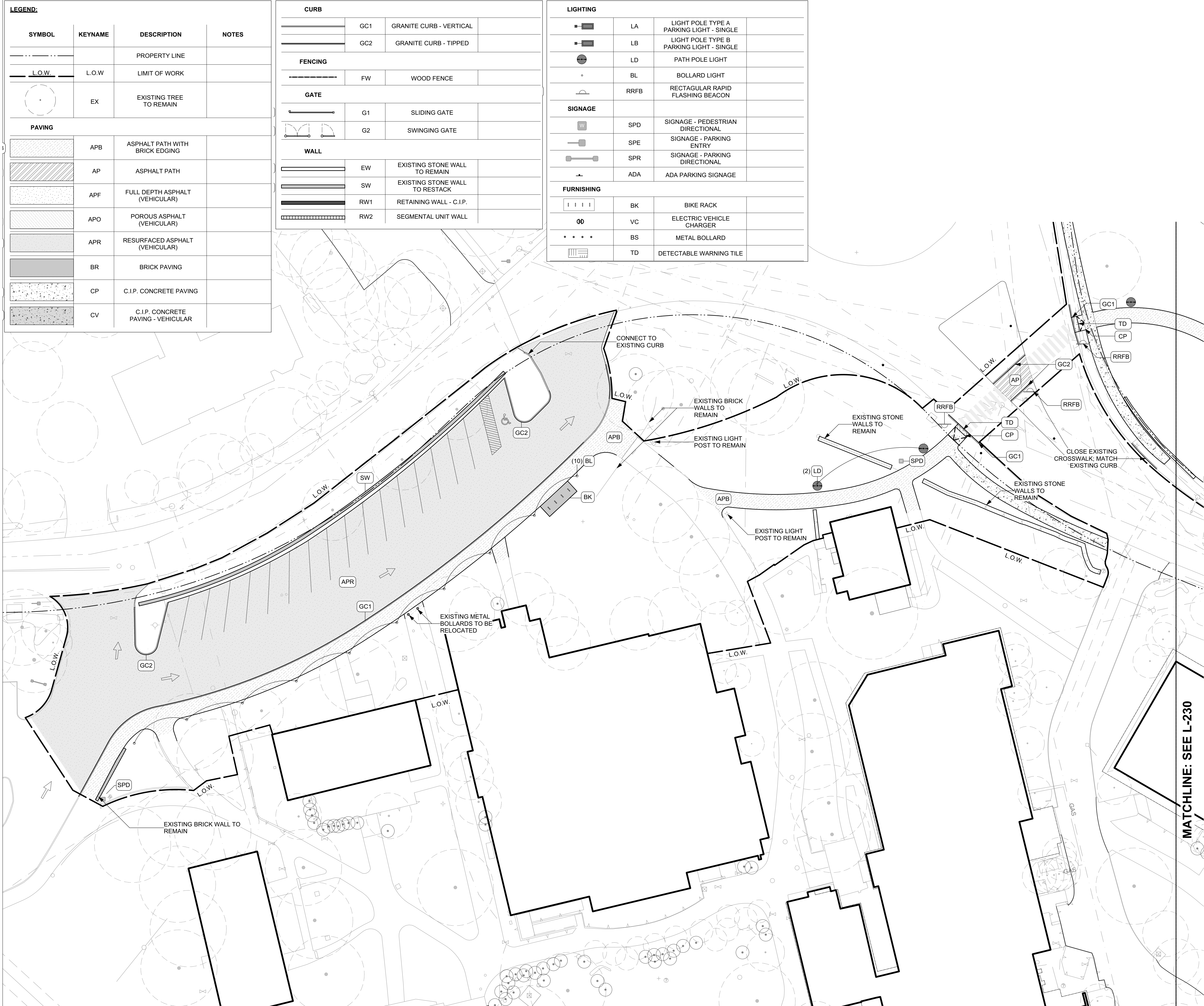
**L-210**



LEGEND:			
SYMBOL	KEYNAME	DESCRIPTION	NOTES
---		PROPERTY LINE	
<u>L.O.W.</u>	L.O.W.	LIMIT OF WORK	
	EX	EXISTING TREE TO REMAIN	
PAVING			
	APB	ASPHALT PATH WITH BRICK EDGING	
	AP	ASPHALT PATH	
	APF	FULL DEPTH ASPHALT (VEHICULAR)	
	APO	POROUS ASPHALT (VEHICULAR)	
	APR	RESURFACED ASPHALT (VEHICULAR)	
	BR	BRICK PAVING	
	CP	C.I.P. CONCRETE PAVING	
	CV	C.I.P. CONCRETE PAVING - VEHICULAR	

CURB			
	GC1	GRANITE CURB - VERTICAL	
	GC2	GRANITE CURB - TIPPED	
FENCING			
	FW	WOOD FENCE	
GATE			
	G1	SLIDING GATE	
	G2	SWINGING GATE	
WALL			
	EW	EXISTING STONE WALL TO REMAIN	
	SW	EXISTING STONE WALL TO RESTACK	
	RW1	RETAINING WALL - C.I.P.	
	RW2	SEGMENTAL UNIT WALL	

LIGHTING			
	LA	LIGHT POLE TYPE A PARKING LIGHT - SINGLE	
	LB	LIGHT POLE TYPE B PARKING LIGHT - SINGLE	
	LD	PATH POLE LIGHT	
	BL	BOLLARD LIGHT	
	RRFB	RECTAGULAR RAPID FLASHING BEACON	
SIGNAGE			
	SPD	SIGNAGE - PEDESTRIAN DIRECTIONAL	
	SPE	SIGNAGE - PARKING ENTRY	
	SPR	SIGNAGE - PARKING DIRECTIONAL	
	ADA	ADA PARKING SIGNAGE	
FURNISHING			
	BK	BIKE RACK	
	VC	ELECTRIC VEHICLE CHARGER	
	BS	METAL BOLLARD	
	TD	DETECTABLE WARNING TILE	



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**GENERAL NOTES**

1. Existing conditions and topography data are from surveys prepared on:


23 December 2020 by Precision Land Surveying, Inc., 32 Turnpike Road, Southborough, MA, 01772

2. Contractor shall verify location of any existing utilities and services and provide protection during construction. Utilities damaged during construction shall be repaired at contractors expense.

3. Contractor shall obtain permits for the work as required and comply with all laws, ordinances, rules and regulations of the local jurisdiction, the state, and all other authorities having jurisdiction.

4. Contractor shall leave site clean and orderly during construction process. Remove from site all excess materials, soil, debris and equipment. Store materials only in an approved location.

Revisions		
Number	Date	Description

Job number XXX  
Drawn by MVRD Checked by EFK  
Scale 1" = 20' Date 27 JULY 2022  
0' 20' 40' 

Stamp **PERMIT SET;  
NOT FOR CONSTRUCTION**



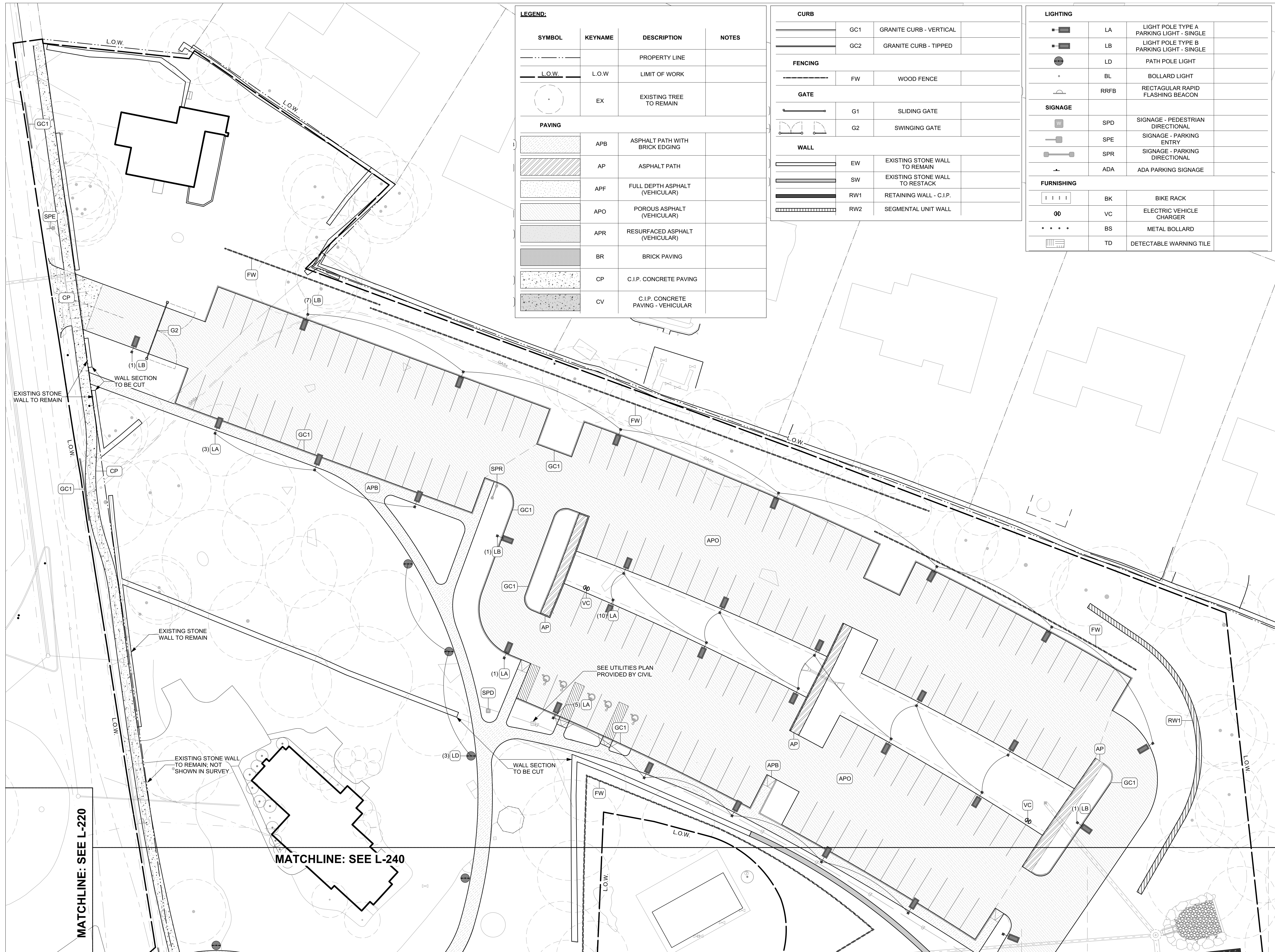
Sheet Title

**MATERIALS  
PLAN: UPPER  
LOT**

Sheet Number

**L-220**





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## GENERAL NOTES

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Number	Date	Description
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Drawn by	MV/RD	Checked by	EFK
Scale	1" = 20'	Date	27 JULY 2022



**PERMIT SET;  
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Sheet Title

MATERIALS  
PLAN: EAST LOT

Sheet Number

# L-230



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GENERAL NOTES

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Revisions

Number	Date	Description
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Job number XXX

Drawn by MVR/DR Checked by EFK

Scale 1" = 20' Date 27 JULY 2022

0' 20' 40'

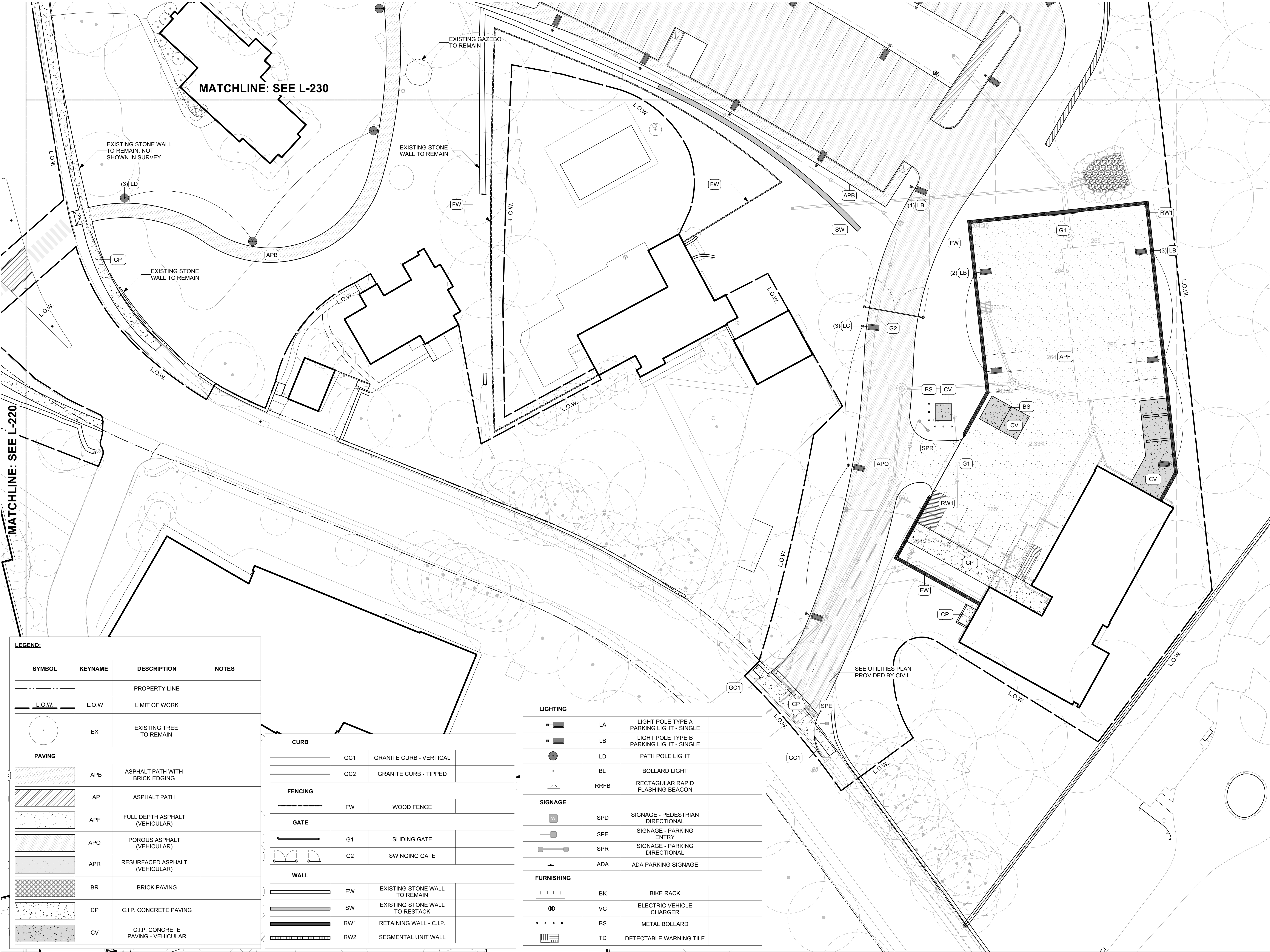
Stamp PERMIT SET:  
NOT FOR CONSTRUCTION

Sheet Title

MATERIALS  
PLAN: FACILITIES  
LOT

Sheet Number

L-240



LEGEND:











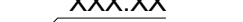

SYMBOL	KEYNAME	DESCRIPTION	NOTES
		PROPERTY LINE	
	L.O.W.	LIMIT OF WORK	
	EX	EXISTING TREE TO REMAIN	
PAVING			
	APB	ASPHALT PATH WITH BRICK EDGING	
	AP	ASPHALT PATH	
	APF	FULL DEPTH ASPHALT (VEHICULAR)	
	APO	POROUS ASPHALT (VEHICULAR)	
	APR	RESURFACED ASPHALT (VEHICULAR)	
	BR	BRICK PAVING	
	CP	C.I.P. CONCRETE PAVING	
	CV	C.I.P. CONCRETE PAVING - VEHICULAR	

CURB		
	GC1	GRANITE CURB - VERTICAL
	GC2	GRANITE CURB - TIPPED
FENCING		
	FW	WOOD FENCE
GATE		
	G1	SLIDING GATE
	G2	SWINGING GATE
WALL		
	EW	EXISTING STONE WALL TO REMAIN
	SW	EXISTING STONE WALL TO RESTACK
	RW1	RETAINING WALL - C.I.P.
	RW2	SEGMENTAL UNIT WALL

LIGHTING			
	LA	LIGHT POLE TYPE A PARKING LIGHT - SINGLE	
	LB	LIGHT POLE TYPE B PARKING LIGHT - SINGLE	
	LD	PATH POLE LIGHT	
	BL	BOLLARD LIGHT	
	RRFB	RECTAGULAR RAPID FLASHING BEACON	
SIGNAGE			
	SPD	SIGNAGE - PEDESTRIAN DIRECTIONAL	
	SPE	SIGNAGE - PARKING ENTRY	
	SPR	SIGNAGE - PARKING DIRECTIONAL	
	ADA	ADA PARKING SIGNAGE	
FURNISHING			
	BK	BIKE RACK	
	VC	ELECTRIC VEHICLE CHARGER	
	BS	METAL BOLLARD	
	TD	DETECTABLE WARNING TILE	





LEGEND:			
SYMBOL	KEYNAME	DESCRIPTION	NOTES
		PROPERTY LINE	
		LIMIT OF WORK	
		EXISTING MAJOR CONTOUR (SURVEYED)	
		EXISTING MINOR CONTOUR (SURVEYED)	
		PROPOSED MAJOR CONTOUR	
		PROPOSED MINOR CONTOUR	
		GRADE BREAK - HARD	
		EXISTING SPOT ELEVATION	
		SPOT ELEVATION	
		TOP OF WALL ELEVATION	
		AND FINISH GRADE OF WALL	
		SNOW STORAGE AREA	

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## GENERAL NOTES

. Existing conditions and topography  
ata are from surveys prepared on:

3 December 2020 by Precision Land  
Surveying, Inc., 32 Turnpike Road,  
Southborough, MA, 01772

. Contractor shall verify location of any existing utilities and services and provide protection during construction. Utilities damaged during construction shall be repaired at contractors expense.

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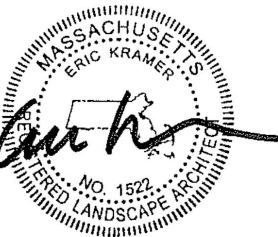
Contractor shall leave site clean and orderly during construction process. Remove from site all excess materials, soil, debris and equipment. Store materials only in an approved location.

Revisions		
Number	Date	Description

Job number XXX	
Drawn by MV/RD	Checked by EFK
Scale 1" = 20'	Date 27 JULY 2022



**PERMIT SET;  
NOT FOR CONSTRUCTION**



Sheet Title

## GRADING PLAN: ZAMBONI LOT

Sheet Number

# L-310





LEGEND:			
SYMBOL	KEYNAME	DESCRIPTION	NOTES
---		PROPERTY LINE	
---	L.O.W.	LIMIT OF WORK	
---		EXISTING MAJOR CONTOUR (SURVEYED)	
---		EXISTING MINOR CONTOUR (SURVEYED)	
---		PROPOSED MAJOR CONTOUR	
---		PROPOSED MINOR CONTOUR	
---		GRADE BREAK - HARD	
(XXX.XX)		EXISTING SPOT ELEVATION	
XXX.XX		SPOT ELEVATION	
TW XXX.XX BW XXX.XX		TOP OF WALL ELEVATION AND FINISH GRADE OF WALL	
		SNOW STORAGE AREA	

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**GENERAL NOTES**

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Revisions

Number	Date	Description

Job number XXX

Drawn by MV/RD    Checked by EFK

Scale 1" = 20'    Date 27 JULY 2022

0'    20'    40'

Stamp **PERMIT SET:  
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Sheet Title

**GRADING PLAN:  
UPPER LOT**

Sheet Number

**L-320**







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## GENERAL NOTES

Existing conditions and topography data are from surveys prepared on:

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Surveying, Inc., 32 Turnpike Road,  
Southborough, MA, 01772

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Job number XXX	
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Drawn by	MV/RD	Checked by	EFK
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Scale 1" = 20'	Date 27 JULY 2022
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**PERMIT SET;  
NOT FOR CONSTRUCTION**



Sheet Title


















## GRADING PLAN: FACILITIES LOT

Sheet Number

# L-340



**LEGEND:**

SYMBOL	KEYNAME	DESCRIPTION	NOTES
		PROPERTY LINE	
			
		LIMIT OF WORK	
			
		EXISTING MAJOR CONTOUR (SURVEYED)	
		EXISTING MINOR CONTOUR (SURVEYED)	
		PROPOSED MAJOR CONTOUR	
		PROPOSED MINOR CONTOUR	
			
		GRADE BREAK - HARD	
		EXISTING SPOT ELEVATION	
			
		SPOT ELEVATION	
			
		TOP OF WALL ELEVATION AND FINISH GRADE OF WALL	
			
		SNOW STORAGE AREA	



LEGEND:						
SYMBOL	KEY	SCIENTIFIC NAME	COMMON NAME	SIZE	QTY	NOTES
---			PROPERTY LINE			
L.O.W.			LIMIT OF WORK			
TREES						
			EXISTING CANOPY TREE - SURVEY			
			EXISTING CANOPY TREE - NO SURVEY			
	AS	<i>Acer saccharum</i>	SUGAR MAPLE	3"-4" CAL MIN.		SPECIMEN, B&B
	AR	<i>Acer rubrum</i>	RED MAPLE	3"-4" CAL MIN.	2	SPECIMEN, B&B
	BL	<i>Betula lenta</i>	SWEET BIRCH	6'-8" HT MIN.		MULTISTEM, SPECIMEN, B&B
	BP	<i>Betula populifolia</i>	GRAY BIRCH	6'-8" HT MIN.	12	MULTISTEM, SPECIMEN, B&B
	NS	<i>Nyssa sylvatica</i>	BLACK GUM	6'-8" HT MIN.		SPECIMEN, B&B
	LT	<i>Liriodendron tulipifera</i>	TULIP POPLAR	3"-4" CAL MIN.		SPECIMEN, B&B
	LS	<i>Liquidambar styraciflua</i>	SWEET GUM	3"-4" CAL MIN.	4	SPECIMEN, B&B
	PS	<i>Pinus strobus</i>	WHITE PINE	6' HT MIN.	1	SPECIMEN, B&B
	PT	<i>Populus tremuloides</i>	QUAKING ASPEN	8'-10' HT MIN.		MULTISTEM, SPECIMEN, B&B
	QA	<i>Quercus alba</i>	WHITE OAK	3"-4" CAL MIN.		SPECIMEN, B&B
	QB	<i>Quercus bicolor</i>	SWAMP WHITE OAK	3"-4" CAL MIN.	3	SPECIMEN, B&B
	UA	<i>Ulmus americana</i>	AMERICAN ELM	3"-4" CAL MIN.		SPECIMEN, B&B
	UD-1	<i>Cercis canadensis</i>	EASTERN REDBUD	1.5"-2" CAL MIN.	12	SPECIMEN, B&B
	UD-2	<i>Crataegus</i>	WASHINGTON HAWTHORNE	1.5"-2" CAL MIN.	3	SPECIMEN, B&B
SHRUBS						
		<i>Aronia arbutifolia</i>	CHOKEBERRY	18" HT		
				36" HT		
		<i>Hamamelis virginiana</i>	WITCHHAZEL	18" HT		
				36" HT		
		<i>Lindera benzoin</i>	SPICEBUSH	18" HT		
				36" HT		
		<i>Clethra</i>	SUMMERSWEET	18" HT		
				36" HT		
		<i>Ilex Verticillata</i>	WINTERBERRY	18" HT		
				36" HT		

		<i>Ilex x meserveae</i>	BLUE HOLLY	18" HT	9	
				36" HT	16	
		<i>Ilex pendunculosa</i>	LONGSTOCK HOLLY	18" HT		
				36" HT	23	
		<i>Ilex glabra compacta</i>	INKBERRY	18" HT	5	
				36" HT	13	
		<i>Taxus media</i>	JAPANESE YEW	18" HT	58	
				36" HT	38	
		<i>Rhododendron spp.</i>	RHODODENDRON	18" HT		
				36" HT	6	
		<i>Viburnum 'Eskimo'</i>	VIBURNUM	18" HT	27	
				36" HT	6	
GROUNDCOVER						
	G1	Varies	GROUNDCOVER PLANTING - SEEDED NO MOW	SEEDED		NO MOW FESCUE
	G2	Fescue turf	LAWN	SEEDED		
	G3	Varies	GROUNDCOVER PLANTING - WOODLAND	PLUGS		MIX TO INCLUDE PENNSYLVANIA SEDGE, WOOD ASTER, LADY FERN, HAY-SCENTED FERN, CINNAMON FERN; SPACING 12" O.C.

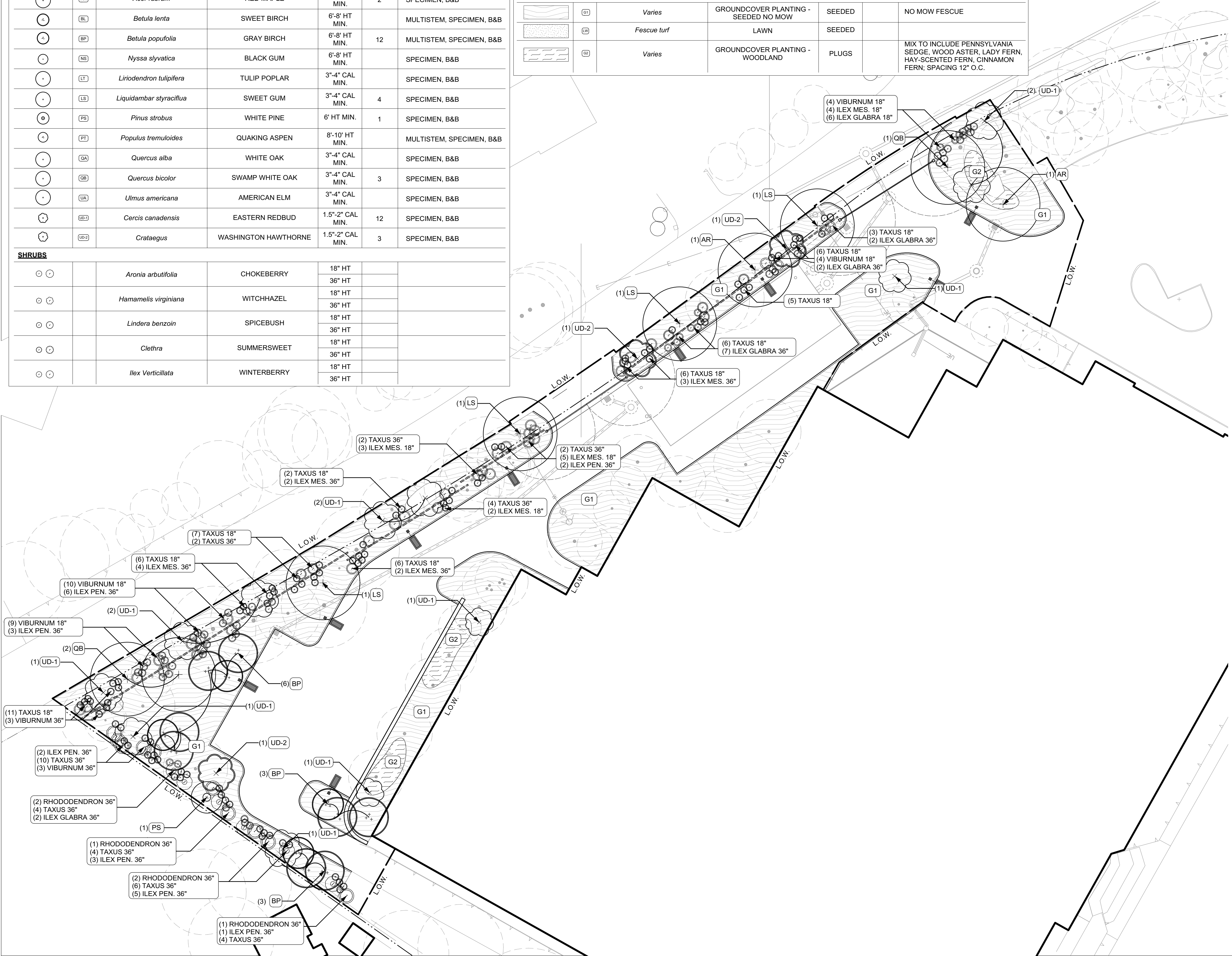
Zone	Planting Length	Required Trees	Required Shrubs	Existing Trees to Remain	Proposed Trees	Proposed Shrubs
Zamboni Lot, Marsh Street	450'	12	150	25	12	151
Zamboni Lot, Side Property	150'	4	50		7	50

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- GENERAL NOTES
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23 December 2020 by Precision Land Surveying, Inc., 32 Turnpike Road, Southborough, MA, 01772
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Revisions

Number	Date	Description

Job number XXX  
Drawn by MV/RD Checked by EFK  
Scale 1" = 20' Date 27 JULY 2022

0' 20' 40'

Stamp **PERMIT SET:**  
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Sheet Title

PLANTING PLAN:  
ZAMBONI LOT

Sheet Number

L-510



LEGEND:						
SYMBOL	KEY	SCIENTIFIC NAME	COMMON NAME	SIZE	QTY	NOTES
---			PROPERTY LINE			
L.O.W.			LIMIT OF WORK			
TREES						
			EXISTING CANOPY TREE - SURVEY			
			EXISTING CANOPY TREE - NO SURVEY			
	AS	<i>Acer saccharum</i>	SUGAR MAPLE	3"-4" CAL MIN.		SPECIMEN, B&B
	AR	<i>Acer rubrum</i>	RED MAPLE	3"-4" CAL MIN.		SPECIMEN, B&B
	BL	<i>Betula lenta</i>	SWEET BIRCH	6'-8' HT MIN.		MULTISTEM, SPECIMEN, B&B
	BP	<i>Betula populifolia</i>	GRAY BIRCH	6'-8' HT MIN.		MULTISTEM, SPECIMEN, B&B
	NB	<i>Nyssa sylvatica</i>	BLACK GUM	6'-8' HT MIN.		SPECIMEN, B&B
	LT	<i>Liriodendron tulipifera</i>	TULIP POPLAR	3"-4" CAL MIN.		SPECIMEN, B&B
	LS	<i>Liquidambar styraciflua</i>	SWEET GUM	3"-4" CAL MIN.		SPECIMEN, B&B
	PS	<i>Pinus strobus</i>	WHITE PINE	6' HT MIN.		SPECIMEN, B&B
	PT	<i>Populus tremuloides</i>	QUAKING ASPEN	8'-10' HT MIN.		MULTISTEM, SPECIMEN, B&B
	QA	<i>Quercus alba</i>	WHITE OAK	3"-4" CAL MIN.	8	SPECIMEN, B&B
	QB	<i>Quercus bicolor</i>	SWAMP WHITE OAK	3"-4" CAL MIN.	2	SPECIMEN, B&B
	UA	<i>Ulmus americana</i>	AMERICAN ELM	3"-4" CAL MIN.	2	SPECIMEN, B&B
	UB	<i>Cercis canadensis</i>	EASTERN REDBUD	1.5"-2" CAL MIN.		SPECIMEN, B&B
	UC	<i>Crataegus</i>	WASHINGTON HAWTHORNE	1.5"-2" CAL MIN.		SPECIMEN, B&B

SHRUBS						
		<i>Aronia arbutifolia</i>	CHOKEBERRY	18" HT		
		<i>Hamamelis virginiana</i>	WITCHHAZEL	36" HT		
		<i>Lindera benzoin</i>	SPICEBUSH	18" HT		
		<i>Clethra</i>	SUMMERSWEET	36" HT		
		<i>Ilex Verticillata</i>	WINTERBERRY	18" HT		
		<i>Ilex x meserveae</i>	BLUE HOLLY	36" HT		
		<i>Ilex pendunculosa</i>	LONGSTOCK HOLLY	18" HT	7	
		<i>Ilex glabra compacta</i>	INKBERRY	36" HT	7	
		<i>Ilex glabra compacta</i>	INKBERRY	18" HT	10	
		<i>Ilex glabra compacta</i>	INKBERRY	36" HT	24	
		<i>Taxus media</i>	JAPANESE YEW	18" HT	52	
		<i>Taxus media</i>	JAPANESE YEW	36" HT	23	
		<i>Rhododendron spp.</i>	RHODODENDRON	18" HT		
		<i>Rhododendron spp.</i>	RHODODENDRON	36" HT		
		<i>Viburnum 'Eskimo'</i>	VIBURNUM	18" HT	9	
		<i>Viburnum 'Eskimo'</i>	VIBURNUM	36" HT		
GROUNDCOVER						
	G1	Varies	GROUNDCOVER PLANTING - SEEDED NO MOW	SEEDED		NO MOW FESCUE
	LW	Fescue turf	LAWN	SEEDED		
	G2	Varies	GROUNDCOVER PLANTING - WOODLAND	PLUGS		MIX TO INCLUDE PENNSYLVANIA SEDGE, WOOD ASTER, LADY FERN, HAY-SCENTED FERN, CINNAMON FERN; SPACING 12" O.C.

Zone	Planting Length	Required Trees	Required Shrubs	Existing Trees to Remain	Proposed Trees	Proposed Shrubs
Upper Lot, Marsh Street	250'	6	83	3	4	83
Upper Lot, Prospect Street	120'	3	40	2	2	40

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**GENERAL NOTES**

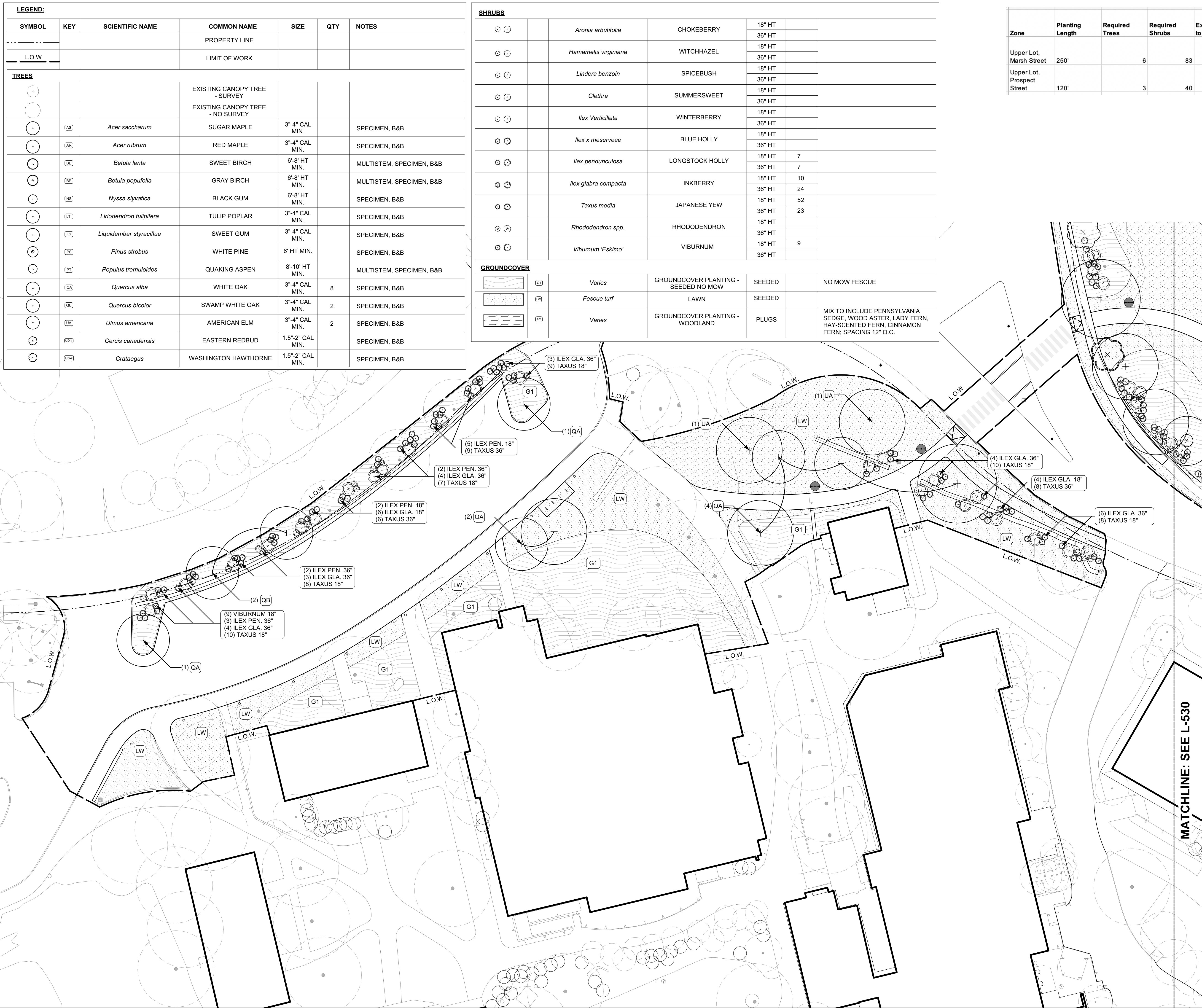
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Job number XXX  
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Scale 1" = 20' Date 27 JULY 2022

0' 20' 40'  
| | |

Stamp **PERMIT SET:  
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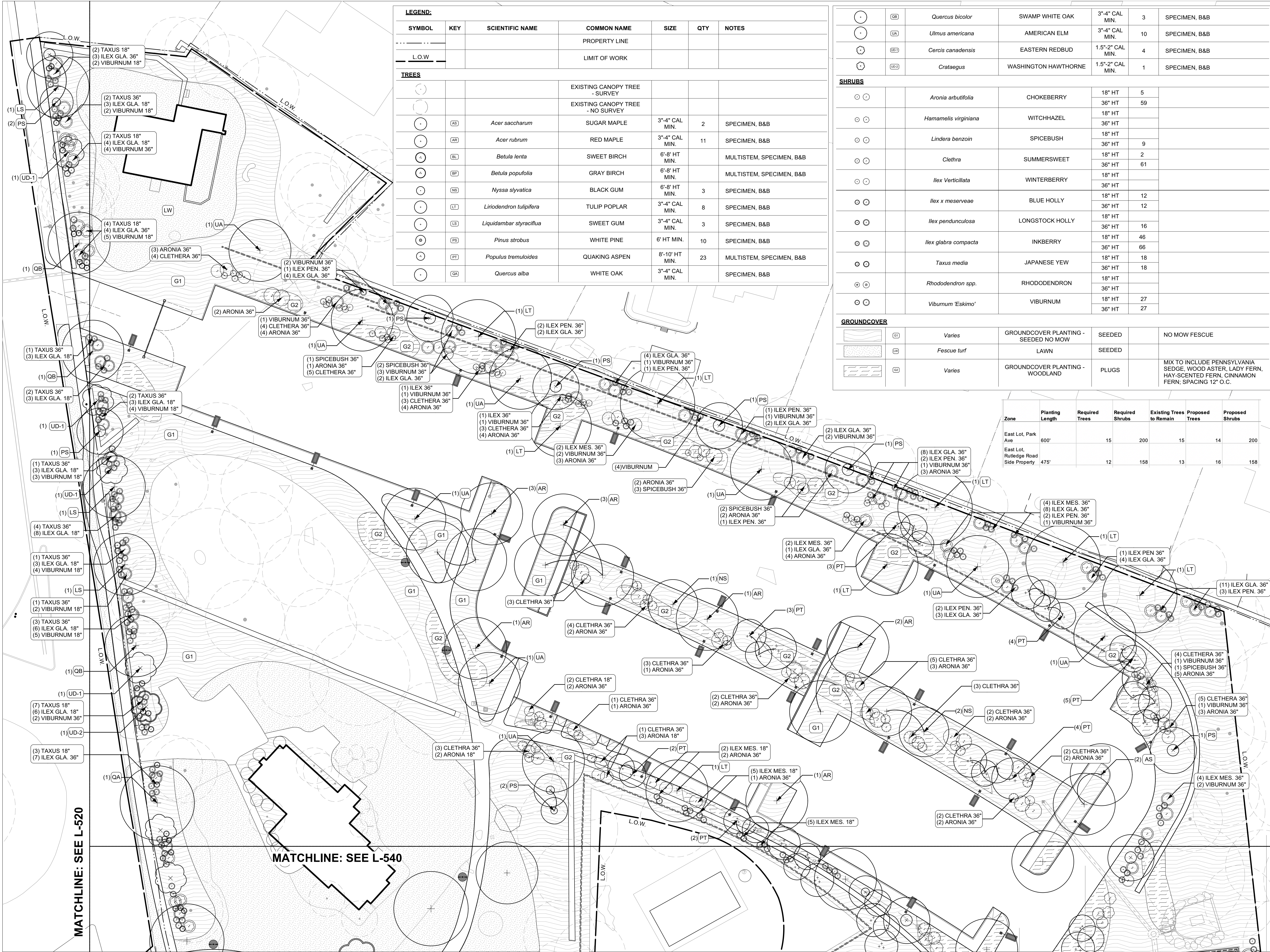
Sheet Title

**PLANTING PLAN:  
UPPER LOT**

Sheet Number

**L-520**





**BELMONT HILL SCHOOL  
BELMONT, MA**

**REED-HILDERBRAND**

Landscape Architecture  
130 Bishop Allen Drive  
Cambridge MA, 02139  
P617 923 2422 F617 923 3740  
www.reedhilderbrand.com

**GENERAL NOTES**

- Existing conditions and topography data are from surveys prepared on:  
  
23 December 2020 by Precision Land Surveying, Inc. 32 Turnpike Road, Southborough, MA, 01772
- Contractor shall verify location of any existing utilities and services and provide protection during construction. Utilities damaged during construction shall be repaired at contractors expense.
- Contractor shall obtain permits for the work as required and comply with all laws, ordinances, rules and regulations of the local jurisdiction, the state, and all other authorities having jurisdiction.
- Contractor shall leave site clean and orderly during construction process. Remove from site all excess materials, soil, debris and equipment. Store materials only in an approved location.

Revisions		
Number	Date	Description

Job number XXX  
Drawn by MV/RD Checked by EFK  
Scale 1" = 20' Date 27 JULY 2022



Stamp **PERMIT SET:  
NOT FOR CONSTRUCTION**



Sheet Title

**PLANTING PLAN:  
EAST LOT**

Sheet Number

**L-530**



**BELMONT HIL  
SCHOOL  
BELMONT, MA**

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Cambridge MA 02139  
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[www.reedhilderbrand.com](http://www.reedhilderbrand.com)

## GENERAL NOTES

Existing conditions and topography data are from surveys prepared on:

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Surveying, Inc., 32 Turnpike Road,  
Southborough, MA, 01772

Contractor shall verify location of any existing utilities and services and provide protection during construction. Utilities damaged during construction shall be repaired at contractors expense.

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Contractor shall leave site clean and orderly during construction process. Remove from site all excess materials, soil, debris and equipment. Store materials only in an approved location.

Number	Date	Description
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Job number XXX	
Drawn by MV/RD	Checked by E
Scale 1" = 20'	Date 27 JULY 20



**PERMIT SET;  
NOT FOR CONSTRUCTION**

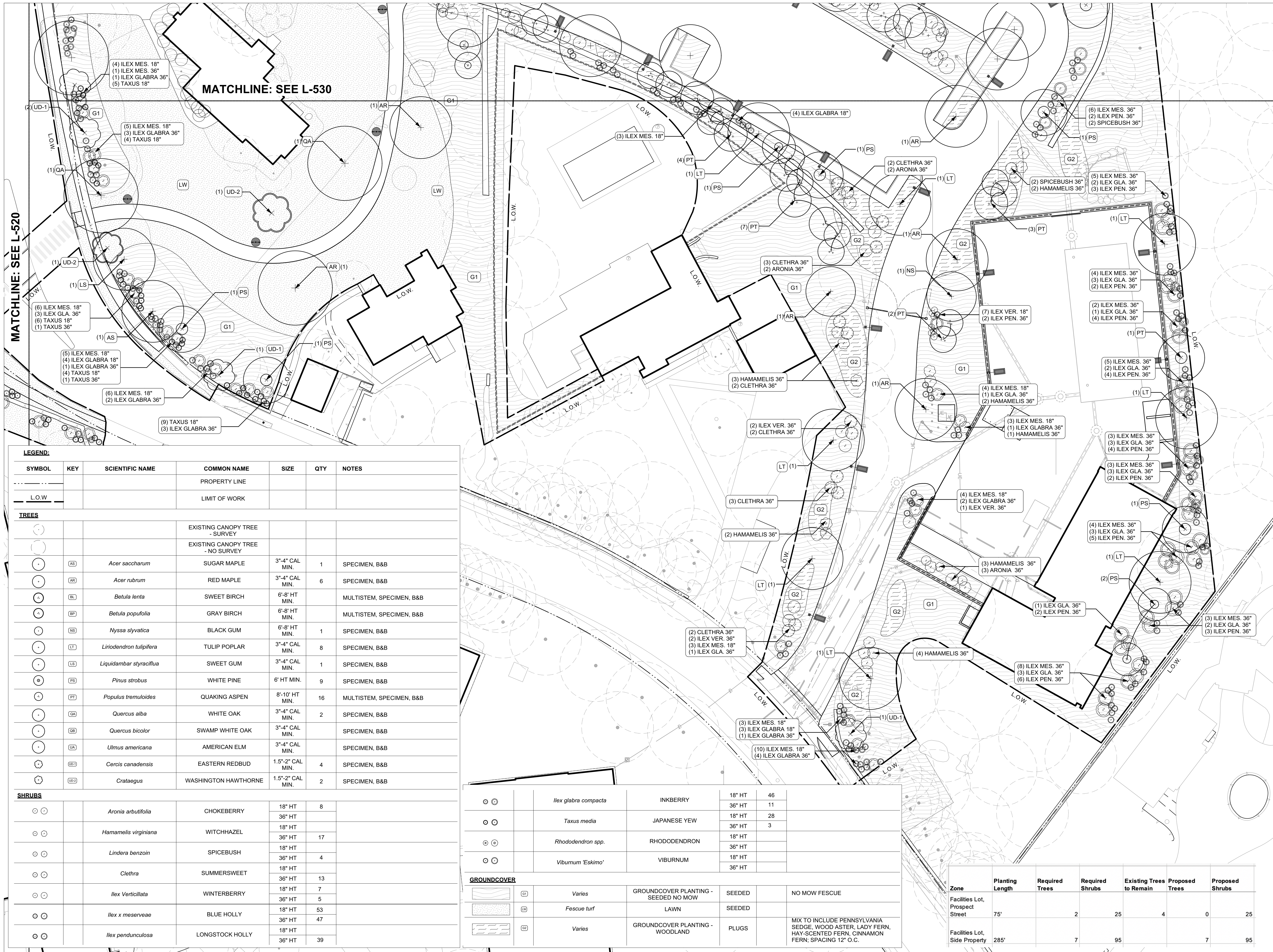


Sheet Title

## PLANTING PLAN FACILITIES LOT

Sheet Number

# L-540









1. PERIMETER WALLS @ GARAGE:
  - A. FIELD STONE ON MASONRY CLIPS OVER 8" CMU @ GABLE ENDS
  - B. SIDING ON BATTENS OVER 8" CMU
2. PERIMETER WALLS @ OFFICE WING:
  - A. SIDING ON GIRTS / CONTINUOUS ROCK WOOL INSULATION OVER WOOD STUD FRAMED WALL W/ CAVITY INSULATION
  - B. FIELD STONE ON MASONRY CLIPS ON GIRTS W/ CONTINUOUS ROCK WOOL INSULATION OVER:
    - a. WOOD STUD FRAMED WALL W/ CAVITY INSULATION
    - b. CAST IN PLACE CONC. PER STRUCTURAL
  - C. SUB GRADE WALLS ABOVE FINISH FLOOR: 2" CONTINUOUS ROCK WOOL INSULATION OVER CAST IN PLACE CONC. PER STRUCTURAL
  - D. @ GARAGE: PRE FINISHED STANDING SEAM METAL ROOF OVER WOOD DECK ON PREFABRICATED WOOD TRUSSES
5. ROOF @ OFFICE: PRE FINISHED STANDING SEAM METAL ROOF OVER WOOD DECK ON PREFABRICATED WOOD TRUSSES W/ INSULATION IN ATTIC
  - A. SCISSOR TRUSSES ABOVE SLOPED CEILING SPACES AT BRACK ROOM & SHARED WORK.



350 Prospect St  
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35 Channel Center Street, Suite 103  
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Key Plan:

Stamp:

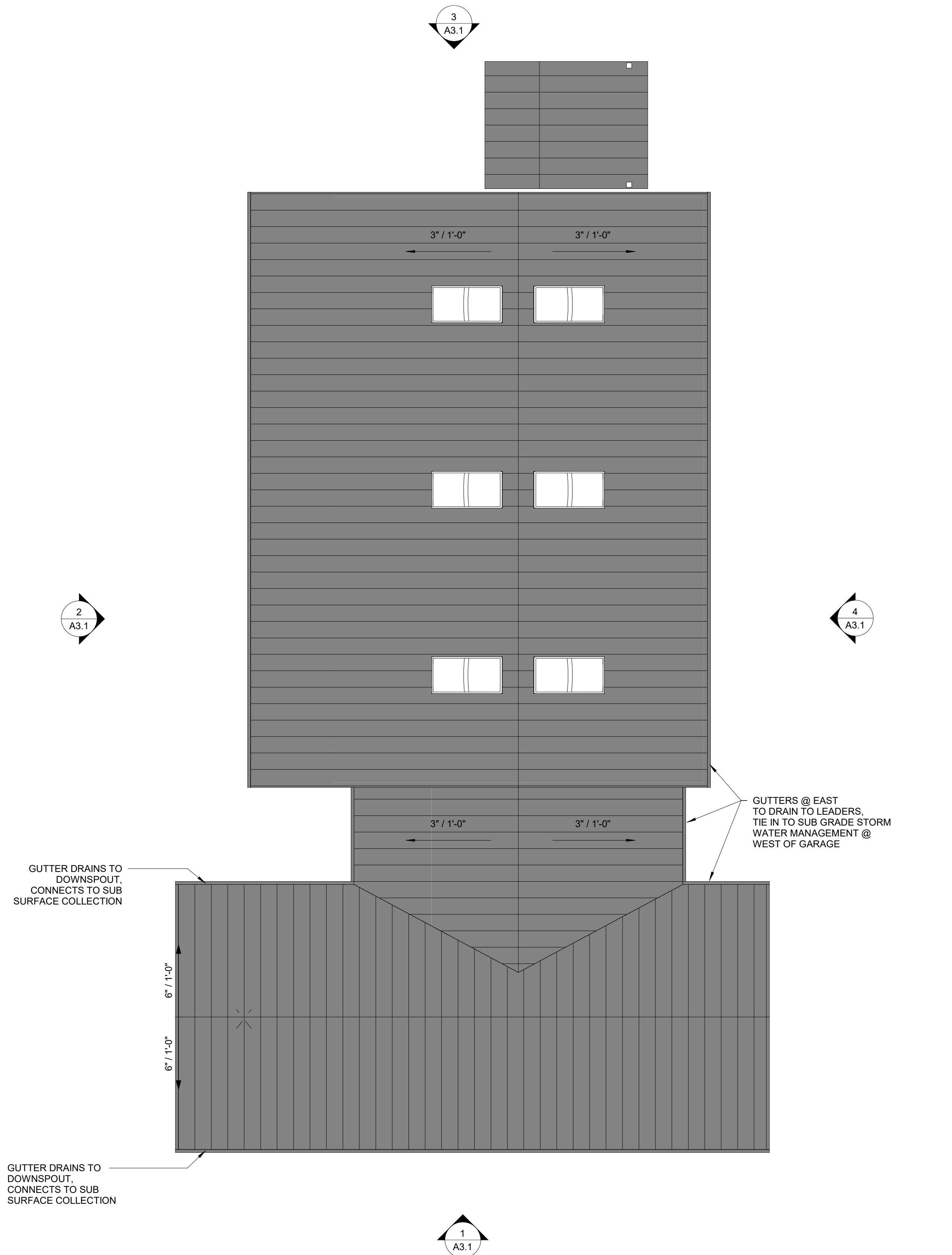
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DRAWING TITLE:

## Permit Submission

SHEET NUMBER:

## A1.2



1. PERIMETER WALLS @ GARAGE:
  - A. FIELD STONE ON MASONRY CLIPS OVER 8" CMU @ GABLE ENDS
  - B. SIDING ON BATTENS OVER 8" CMU
2. PERIMETER WALLS @ OFFICE: W/ CAVITY INSULATION
  - A. SIDING ON GIRTS W/ CONTINUOUS ROCK WOOL INSULATION OVER WOOD STUD FRAMED WALL W/ CAVITY INSULATION
  - B. FIELD STONE ON MASONRY CLIPS ON GIRTS W/ CONTINUOUS ROCK WOOL INSULATION OVER:
    - a. WOOD STUD FRAMED WALL W/ CAVITY INSULATION
    - b. CAST IN PLACE CONC. PER STRUCTURAL
3. SUB GRADE WALLS ABOVE FINISH FLOOR: 2" CONTINUOUS ROCK WOOL INSULATION OVER CAST IN PLACE CONC. PER STRUCTURAL
4. ROOF @ GARAGE: PRE FINISHED STANDING SEAM METAL ROOF OVER WOOD DECK ON PREFABRICATED WOOD TRUSSES
5. ROOF @ OFFICE: PRE FINISHED STANDING SEAM METAL ROOF OVER WOOD DECK ON PREFABRICATED WOOD TRUSSES W/ INSULATION IN ATTIC
  - A. SCISSOR TRUSSES ABOVE SLOPED CEILING SPACES AT BREAK ROOM & SHARED WORK.



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Key Plan:

Legend:

Stamp:

[illegible]

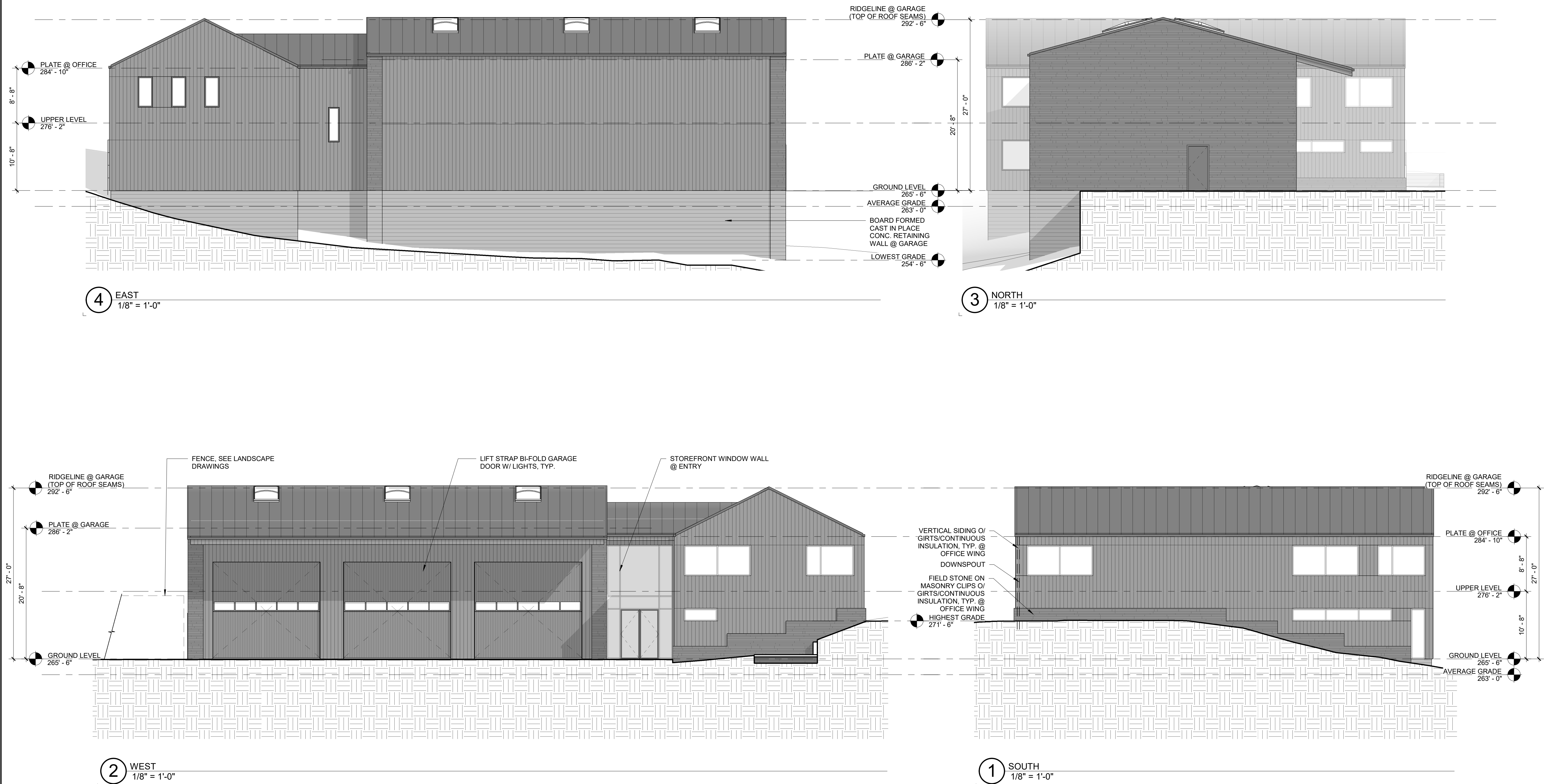
PROJECT NO: 2021-010  
DRAWN BY: MB  
CHECKED BY: Checker  
DATE: 27 July 2022

DRAWING TITLE:

## Permit Submission

SHEET NUMBER:

## A3.1



1. PERIMETER WALLS @ GARAGE:
  - A. FIELD STONE ON MASONRY CLIPS OVER 8" CMU @ GABLE ENDS
  - B. SIDING ON BATTENS OVER 8" CMU
2. PERIMETER WALLS @ OFFICE WING:
  - A. SIDING ON GIRTS W/ CONTINUOUS ROCK WOOL INSULATION OVER WOOD STUD FRAMED WALL W/ CAVITY INSULATION
  - B. FIELD STONE ON MASONRY CLIPS ON GIRTS W/ CONTINUOUS ROCK WOOL INSULATION OVER:
    - a. WOOD STUD FRAMED WALL W/ CAVITY INSULATION
    - b. CAST IN PLACE CONG. PER STRUCTURAL
  - C. SUB GRADE WALLS ABOVE FINISH FLOOR, 2" CONTINUOUS ROCK WOOL INSULATION OVER CAST IN PLACE CONG. PER STRUCTURAL
  - D. ROOF @ GARAGE: PRE FINISHED STANDING SEAM METAL ROOF OVER WOOD DECK ON PREFABRICATED WOOD TRUSSES
3. ROOF @ OFFICE: PRE FINISHED STANDING SEAM METAL ROOF OVER WOOD DECK ON PREFABRICATED WOOD TRUSSES W/ ATTIC:
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