

100% DESIGN DEVELOPMENT DRAWINGS FOR :

SHARON PUBLIC LIBRARY

1 SCHOOL STREET
SHARON, MASSACHUSETTS

MARCH 25, 2020

REV 1 APRIL 16, 2020 (UPDATED SURVEY)



LOCUS

LIST OF DRAWINGS

| | |
|------|--------------------------------|
| EX-1 | EXISTING CONDITIONS PLAN |
| SP-1 | SITE PREPARATION PLAN |
| C-1 | LAYOUT AND MATERIALS PLAN |
| C-2 | GRADING AND UTILITIES PLAN |
| C-3 | SEPTIC SYSTEM PLAN AND DETAILS |
| C-4 | PLANTING PLAN |
| C-5 | SITE DETAILS 1 |
| C-6 | SITE DETAILS 2 |
| | PHOTOMETRIC LIGHTING PLAN |

ZONING TABLE (ASSESSOR MAP 101 PLOT 47)

| | Required/Allowed | Provided |
|---|--|---|
| Zone: Single Residential District B | | |
| Zone: Groundwater Protection District | | |
| Use: Municipal Public Library | | |
| MINIMUM LOT SIZE PER RESIDENTIAL DISTRICT B | 20,000 SF | 38,293 SF |
| MINIMUM LOT SIZE WITHIN GROUNDWATER PROTECTION DISTRICT | 60,000 SF/DWELLING UNIT | * 38,293 SF |
| CONTINUOUS FRONTAGE | 66'-8" | 401 +/-' |
| LOT WIDTH | 100' | 274 +/-' |
| MINIMUM FRONT YARD | (1) 70' FROM N. MAIN ST CENTERLINE (2) 50' FROM SCHOOL STREET CENTERLINE | * 52 +/-' * 30 +/-' |
| MINIMUM SIDE YARD | (1) 10' FROM NORTH PROPERTY LINE (2) 10' FROM WEST PROPERTY LINE | 43 +/-' 82 +/-' |
| MINIMUM REAR YARD | 10' | NO REAR PROPERTY LINE ON CORNER LOT |
| PERCENT OF LOT COVERAGE PER RESIDENTIAL DISTRICT B | 25% | * 74% |
| PERCENT OF LOT COVERAGE PER GROUNDWATER PROTECTION DISTRICT | 15% | * 74% |
| NATURAL VEGETATION PER GROUNDWATER PROTECTION DISTRICT | 40% MINIMUM | * 0 +/- % |
| MAXIMUM BLDG HEIGHT | 35' OR 2.5 STORIES | < 35' AND <2.5 STORIES |
| MAX SEPTIC FLOW ALLOWED PER GROUNDWATER PROTECTION DISTRICT | 6 GPD / 1,000 SFT LOT AREA 6 GPD / 38,293K SFT= 229 GPD ALLOWED | * (OCCUPANCY + 110 MEETING ROOM=427) 427 PPL X 3 GPD/PERSON = 1281 GPD |
| PARKING REQUIREMENT | 1 SPACE PER 600 GSF FOR RELIGIOUS AND PUBLIC EDUCATION IN BUSINESS/PROFESSIONAL DISTRICT 24,500(+/-) GSF X (6/1000) = 41 SPACES MPLCP: 60 SPACES ITE: 63 SPACES | * 30 ONSITE + 42 OFF SITE = 72 TOTAL |
| HC PARKING REQUIREMENT | (51-75) SPACES REQUIRE 2 HC SPACES | 2 HC SPACES (1 STD + 1 VAN) |

* DENOTES NOT MEETING MINIMUM REQUIREMENTS

APPLICANT

TOWN OF SHARON
SHARON, MASSACHUSETTS 02493

ARCHITECTURE

LLB ARCHITECTS
LERNER LADDS BARTELS
161 EXCHANGE ST.
PAWTUCKET, RI 02860

CIVIL ENGINEERING/LANDSCAPE ARCHITECTURE

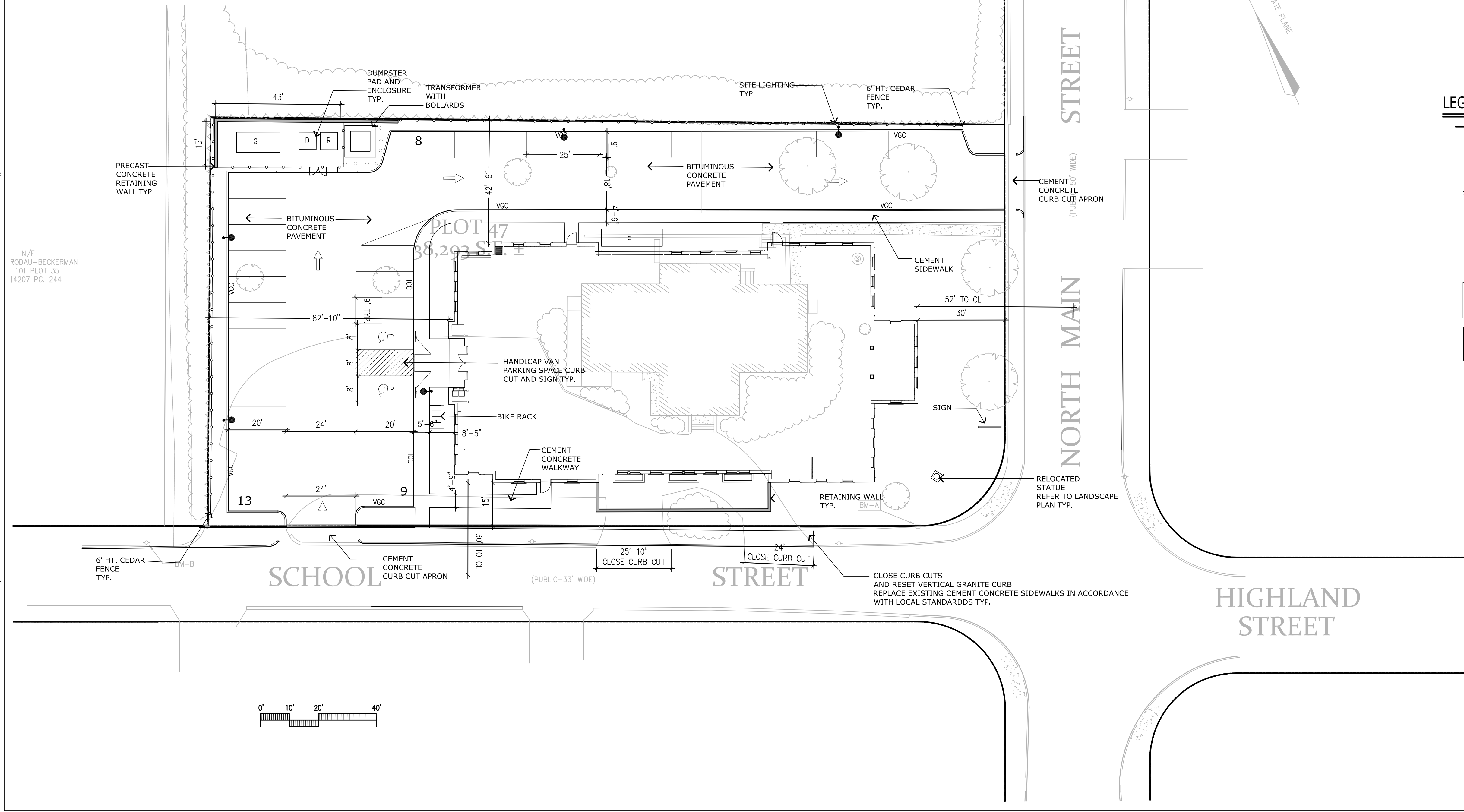
DEVELLIS ZREIN, INC.
PO BOX 307
FOXBOROUGH, MA 02305
DEVELLISZREIN.COM



LAYOUT AND MATERIAL NOTES

- EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY JACOB DRISCOLLOF NORTH EASTON, MA AND IS DATED 16 SEPTEMBER 2016.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON THE SURVEY REFERENCED ABOVE. THE CONTRACTOR SHALL NOTIFY DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
- CONTRACTOR(S) SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND SITE CONDITIONS PRIOR TO BIDDING AND PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING OR CONSTRUCTION.
- ALL WORK CONDUCTED WITHIN PUBLIC RIGHT-OF-WAYS SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE TOWN OF SHARON.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND ALL DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING SIDEWALKS, RAMPS, UTILITY ENTRANCE LOCATIONS, WALL PACKS, CONCRETE DOOR PADS, ROOF DRAINS, ETC.
- ACCESSIBLE CURB RAMPS SHALL BE PER THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) AND THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES, WHICHEVER IS MORE STRINGENT.
- THE FOLLOWING LAYOUT CRITERIA SHALL CONTROL UNLESS OTHERWISE NOTED ON THE PLAN:
ALL DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING.
ALL DIMENSIONS ARE TO FACE OF CURB AT GUTTER LINE.
ALL DIMENSIONS ARE TO CENTER OF PAVEMENT MARKINGS.
ALL TIES TO PROPERTY LINES ARE PERPENDICULAR TO THE PROPERTY LINE UNLESS OTHERWISE NOTED.
- FOR LAYOUT AND DIMENSIONING OF BUILDINGS, SEE ARCHITECTURAL DRAWINGS.
- SCREENED IMAGES SHOW EXISTING CONDITIONS. WHERE EXISTING CONDITIONS LIE UNDER OR ARE IMPINGED UPON BY PROPOSED BUILDINGS AND/OR SITE ELEMENTS, THE EXISTING CONDITION WILL BE REMOVED, ABANDONED AND/OR CAPPED OR DEMOLISHED AS REQUIRED.

N/F
MICHAEL FREEMAN
MAP 101 PLOT 48
BK. 30647 PG. 539



LEGEND

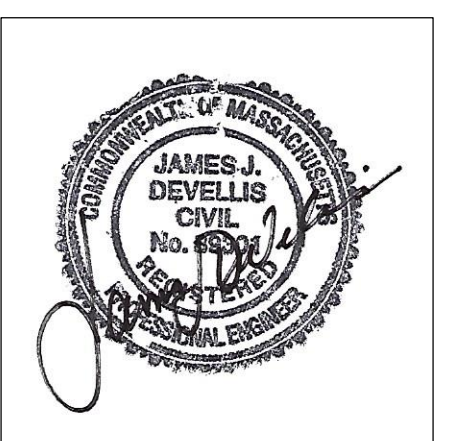
- PROPERTY LINE
- SITE LIGHTING
- VGC VERTICAL GRANITE CURB
- ICC INTEGRAL CONCRETE CURB
- D R DUMPSTER PAD AND RECYCLING
- G GENERATOR
- C CONDENSOR

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FEASIBILITY STUDY
SHARON PUBLIC LIBRARY
1 SCHOOL STREET
SHARON, MA



REVISIONS

4-16-20 SURVEY UPDATE
ISSUED FOR PERMIT 3/25/20
LAYOUT AND MATERIAL
PLAN

3/25/20
C.100

GRADING AND UTILITY LEGEND

- PROPERTY LINE
- SEWER LINE
- DRAIN LINE
- W----- WATER LINE
- G----- GAS LINE
- WG ● WATER GATE
- T TRANSFORMER
- G GENERATOR
- HYD ● HYDRANT
- WC WATER GATE
- ⊙ PUMP
- ⊙ DRAIN MANHOLE
- CB CATCH BASIN
- AD AREA DRAIN
- WQ WATER QUALITY STRUCTURE
- RD ROOF DRAIN

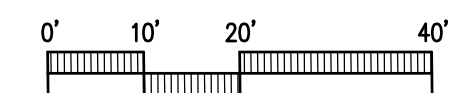
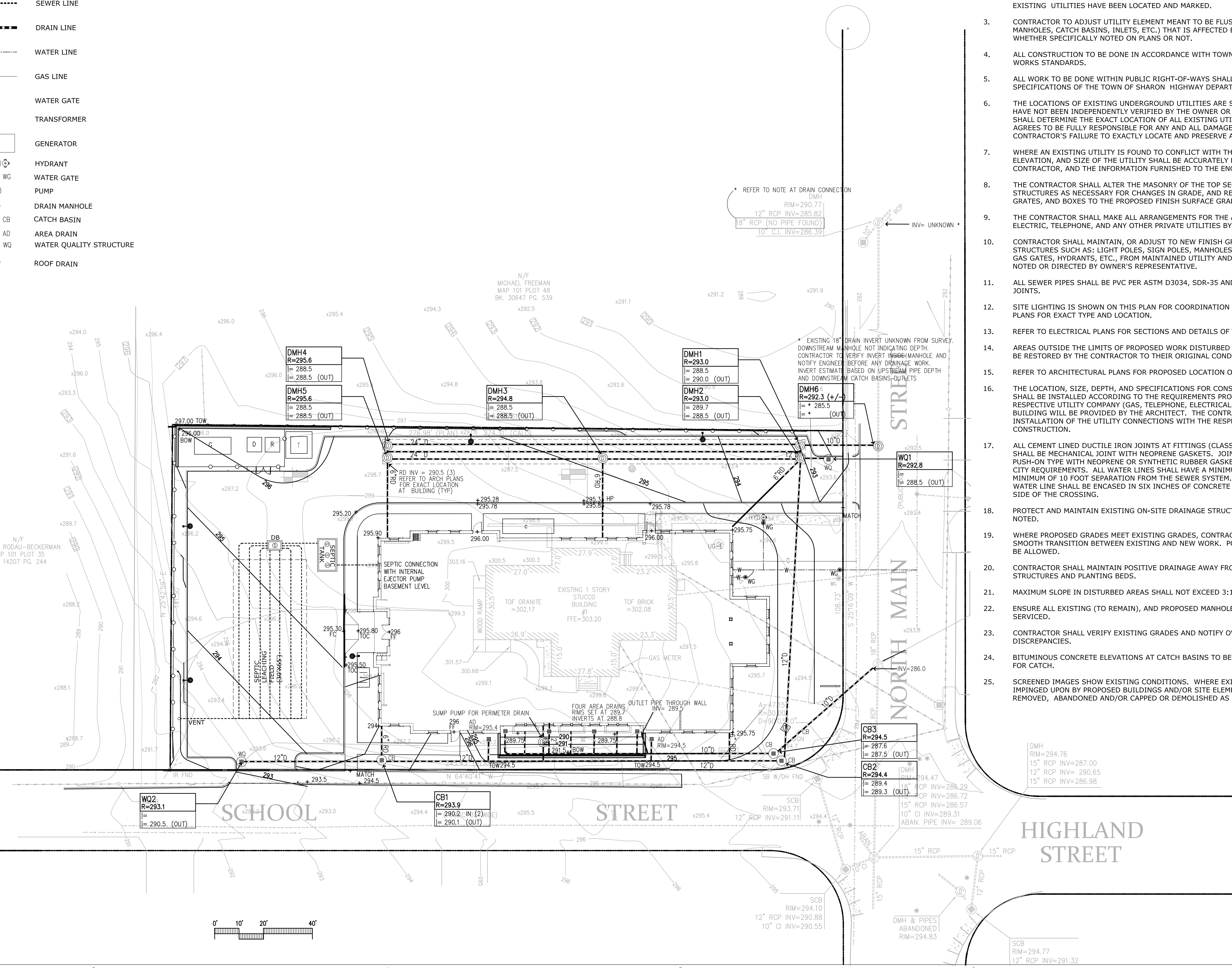
GRADING AND UTILITY NOTES

1. EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY JACOB DRISCOLL OF , NORTH EASTON, MA AND IS DATED 16 SEPTEMBER 2016 (REV 4-1-20).
2. PRIOR TO THE START OF ANY EXCAVATION FOR THE PROJECT, BOTH ON AND OFF THE SITE, THE CONTRACTOR SHALL NOTIFY DIGSAFE AND BE PROVIDED WITH A DIGSAFE NUMBER INDICATING THAT ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED.
3. CONTRACTOR TO ADJUST UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN-OUTS, UTILITY MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
4. ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH TOWN OF SHARON DEPARTMENT OF PUBLIC WORKS STANDARDS.
5. ALL WORK TO BE DONE WITHIN PUBLIC RIGHT-OF-WAYS SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE TOWN OF SHARON HIGHWAY DEPARTMENT.
6. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES.
7. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
8. THE CONTRACTOR SHALL ALTER THE MASONRY OF THE TOP SECTION OF ALL EXISTING DRAINAGE STRUCTURES AS NECESSARY FOR CHANGES IN GRADE, AND RESET ALL WATER AND DRAINAGE FRAMES, GRATES, AND BOXES TO THE PROPOSED FINISH SURFACE GRADE.
9. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF ALL GAS, ELECTRIC, TELEPHONE, AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
10. CONTRACTOR SHALL MAINTAIN, OR ADJUST TO NEW FINISH GRADE, AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS: LIGHT POLES, SIGN POLES, MANHOLES, CATCH BASINS, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS, UNLESS OTHERWISE NOTED OR DIRECTED BY OWNER'S REPRESENTATIVE.
11. ALL SEWER PIPES SHALL BE PVC PER ASTM D3034, SDR-35 AND ASTM D1784 WITH RUBBER GASKET JOINTS.
12. SITE LIGHTING IS SHOWN ON THIS PLAN FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL PLANS FOR EXACT TYPE AND LOCATION.
13. REFER TO ELECTRICAL PLANS FOR SECTIONS AND DETAILS OF THE UTILITY DUCT BANK.
14. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION, AT THE CONTRACTOR'S EXPENSE.
15. REFER TO ARCHITECTURAL PLANS FOR PROPOSED LOCATION OF UTILITY SERVICE STUBS AT BUILDING.
16. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRICAL.) FINAL DESIGN AND LOCATIONS AT THE BUILDING WILL BE PROVIDED BY THE ARCHITECT. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE UTILITY CONNECTIONS WITH THE RESPECTIVE COMPANIES PRIOR TO ANY UTILITY CONSTRUCTION.
17. ALL CEMENT LINED DUCTILE IRON JOINTS AT FITTINGS (CLASS 52), VALVES, AND HYDRANT LATERALS SHALL BE MECHANICAL JOINT WITH NEOPRENE GASKETS. JOINTS AT OTHER LOCATIONS SHALL BE PUSH-ON TYPE WITH NEOPRENE OR SYNTHETIC RUBBER GASKETS. ALL WATER GATES SHALL OPEN AS PER CITY REQUIREMENTS. ALL WATER LINES SHALL HAVE A MINIMUM OF 5.0 FEET OF GROUND COVER AND A MINIMUM OF 10 FOOT SEPARATION FROM THE SEWER SYSTEM. AT WATER AND SEWER CROSSINGS, THE WATER LINE SHALL BE ENCASED IN SIX INCHES OF CONCRETE FOR A DISTANCE OF 10 FEET ON EITHER SIDE OF THE CROSSING.
18. PROTECT AND MAINTAIN EXISTING ON-SITE DRAINAGE STRUCTURES AND PIPES UNLESS OTHERWISE NOTED.
19. WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. PONDING AT TRANSITION AREAS WILL NOT BE ALLOWED.
20. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES AND PLANTING BEDS.
21. MAXIMUM SLOPE IN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
22. ENSURE ALL EXISTING (TO REMAIN), AND PROPOSED MANHOLE COVERS PROPERLY IDENTIFY UTILITY SERVICED.
23. CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
24. BITUMINOUS CONCRETE ELEVATIONS AT CATCH BASINS TO BE 1/4 INCH ABOVE RIM ELEVATION SHOWN FOR CATCH.
25. SCREENED IMAGES SHOW EXISTING CONDITIONS. WHERE EXISTING CONDITIONS LIE UNDER OR ARE IMPINGED UPON BY PROPOSED BUILDINGS AND/OR SITE ELEMENTS, THE EXISTING CONDITION WILL BE REMOVED, ABANDONED AND/OR CAPPED OR DEMOLISHED AS REQUIRED.

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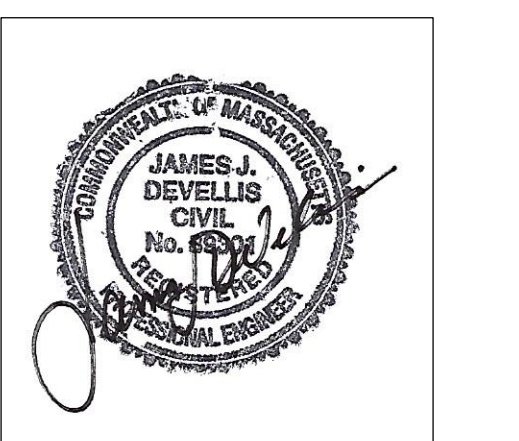


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FEASIBILITY STUDY
SHARON PUBLIC LIBRARY
 1 SCHOOL STREET
 SHARON, MA



REVISIONS

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4-16-20 SURVEY UPDATE
 ISSUED FOR PERMIT 3/25/20
 GRADING AND UTILITIES

GENERAL NOTES

- THIS PLAN IS FOR THE DESIGN AND INSTALLATION OF A DISPOSAL SYSTEM TO BE IN ACCORDANCE WITH MASSACHUSETTS TITLE V AND THE TOWN OF SHARON B.O.H. REGULATIONS.
- DISPOSAL SYSTEM IS NOT DESIGNED FOR GARBAGE GRINDERS.
- THE SEPTIC TANK SHALL BE A TWO COMPARTMENT PRECAST CONCRETE TANK. THE FIRST COMPARTMENT HAVING A LIQUID CAPACITY OF 2,000 GALS AND THE SECOND COMPARTMENT HAVING A LIQUID CAPACITY OF 1,000 GALS AND DESIGNED FOR HS20-44 LOADING.
- DISPOSAL SYSTEM SHALL BE VENTED ACCORDING TO 310 CMR SECTION 15.241
- ALL LOAM, LARGE BOULDERS, AND ANY OTHER DELETERIOUS MATERIALS ENCOUNTERED DURING EXCAVATION TO BE REMOVED FROM THE LEACHING AREA. EXCAVATED AREAS SHALL BE BACKFILLED AS NOTED BELOW.
- THE AREA FOR THE LEACHING FACILITY SHALL BE EXCAVATED TO AN ELEVATION BELOW SUBSOIL OR IMPERVIOUS MATERIAL. THE EXCAVATED AREA SHALL BE BACKFILLED AND COMPACTED WITH SAND AND GRAVEL FREE OF SILT CLAY, FINES, LARGE COBBLES, STUMPS, FROZEN EARTH, OR OTHER DELETERIOUS MATERIALS. THE FINISHED GRADE OVER THE LEACHING AREA SHALL HAVE A MIN. SLOPE OF 2%. THE BACKFILL MATERIAL SHALL HAVE A PERCOLATION RATE OF LESS THAN 2 MIN. PER INCH, COMPACTED IN PLACE, AND SHALL CONFORM TO THE LATEST FILL SPECIFICATIONS OF 310 CMR 15.255 AND THE TOWN OF WESTON IN EFFECT ON THE DATE OF CONSTRUCTION.
- ALL NATURAL SOIL (OR FILL) SHALL BE RAKED PRIOR TO PLACEMENT OF SEPTIC STONE OR BACKFILL.
- EXISTING CONDITIONS INFORMATION JACOB DRISCOLL ENGINEERING AND DATED 16 SEPTEMBER 2019.
- PER TITLE V REQUIREMENTS, THE DESIGN ENGINEER IS REQUIRED TO INSPECT CONSTRUCTION OF THE SEPTIC SYSTEM AND CERTIFY THAT THE SYSTEM IS CONSTRUCTED ACCORDING TO THE PLANS, LOCAL REGULATIONS, AND TITLE V. IN MOST INSTANCES THE DESIGN ENGINEER IS ALSO REQUIRED TO PREPARE AN "AS-BUILT" PLAN. UNLESS OTHERWISE SPECIFICALLY STATED IN WRITING IN THE CONTRACT BETWEEN OWNER AND INSTALLER, THE INSTALLER SHALL BE RESPONSIBLE FOR COORDINATING INSPECTIONS WITH THE DESIGN ENGINEER AND BOARD OF HEALTH. NOTIFYING THE DESIGN ENGINEER DOES NOT RELIEVE THE OWNER OR INSTALLER FROM THE RESPONSIBILITY OF HAVING THE REQUIRED INSPECTIONS ETC. BY THE SHARON BOARD OF HEALTH.
- THE INSTALLER SHALL BE REQUIRED TO PROVIDE AN INSTALLER AS-BUILT AND SUBMIT AN INSTALLER CERTIFICATE TO THE BOARD OF HEALTH.
- ALL VEHICULAR TRAFFIC, PARKING, STOCKPIILING AND STORAGE OF EQUIPMENT OVER LEACHING AREA IS PROHIBITED AT ALL TIMES. SYSTEM SHALL BE STAKED AND FLAGGED AND BARRICADED FROM DATE OF INSTALLATION UNTIL CERTIFICATE OF COMPLIANCE ISSUED.
- ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC TAPE OR OTHER APPROVED COMPARABLE MEANS.
- EXCAVATION SHALL BE DRY AND SCARIFIED AND FILL SHALL NOT BE STOCKPILED AT EDGE OF FOUNDATION. FILL SHALL NOT BE PLACED DURING RAIN OR SNOW STORMS.

Design Calculations

TOTAL OCCUPANCY OF THE LIBRARY INCLUDING CONFERENCE ROOM = 427 PEOPLE
 USE 3 GPD / PERSON FOR FULLY OCCUPIED BUILDING
 TOTAL DESIGN FLOW = 3 GPD X 427 PEOPLE = 1,281 GPD

DESIGN CRITERIA
 DESIGN PERCOLATION RATE: 2 MINUTES PER INCH (MPI), HOWEVER USE 6 MPI TITLE V PER SHARON BOARD OF HEALTH REQUIREMENTS

DESIGN SOIL CLASSIFICATION: CLASS 1 LOAMY SAND (0.70 GPD/SQ FT)
 ESTIMATED SEASONAL HIGH GROUNDWATER (ESHGW) > 120 INCHES (OR 12 FEET)

REQUIRED LEACHING BED
 1,281 GPD / 0.70 GPD/SQ FT = 1,830 SQ FT LEACHING SURFACE

PROVIDE 4" PERFORATED PIPE IN LEACHING BED
 EFFECTIVE LEACHING AREA = BOTTOM SURFACE AREA ONLY
 BOTTOM SURFACE AREA = 30' WIDE X 65' LONG = 1,950 SQ FT PROVIDED

TEST PIT (DTH-1)

ELEV. = 298 ±

| SOIL HORIZON | SOIL TEXTURE | SOIL COLOR (MUNSELL) | SOIL COLOR | SOIL MOTTLING |
|--------------|----------------|----------------------|------------|---------------|
| 0 | | | | |
| 3" | A _p | SL | 10yr 3/2 | NONE |
| 12" | B _u | SL | 10yr 5/8 | |
| | | | | |
| | C1 | SL | 2.5yr 6/3 | NONE |

BOTTOM OF TEST PIT NO REFUSAL AND NO WATER OBSERVED

PERC RATE @ 48" = 2 MIN/INCH

NOTE: TEST PIT DTH-1 AND PERCOLATION TEST PT-1 WERE PERFORMED ON JANUARY 22, 2020 BY SOIL EVALUATOR JAMES J. DEVELLIS OF DEVELLIS ZREIN, INC. AND WITNESSED BY KEVIN DAVIS OF THE SHARON BOARD OF HEALTH

Soil Log DZI-1

TEST PIT (DZI-2)

ELEV. = 294 ±

| SOIL HORIZON | SOIL TEXTURE | SOIL COLOR (MUNSELL) | SOIL COLOR | SOIL MOTTLING |
|--------------|----------------|----------------------|------------|---------------|
| 0 | | | | |
| 10" | A _p | SL | 10yr 3/2 | NONE |
| 24" | B _u | SL | 10yr 5/8 | |
| | | | | |
| | C1 | SL | 2.5yr 6/3 | NONE |

BOTTOM OF TEST PIT NO REFUSAL AND NO WATER OBSERVED

PERC RATE @ 46" = 2 MIN/INCH

NOTE: TEST PIT DTH-1 AND PERCOLATION TEST PT-2 WERE PERFORMED ON JANUARY 22, 2020 BY SOIL EVALUATOR JAMES J. DEVELLIS OF DEVELLIS ZREIN, INC. AND WITNESSED BY KEVIN DAVIS OF THE SHARON BOARD OF HEALTH

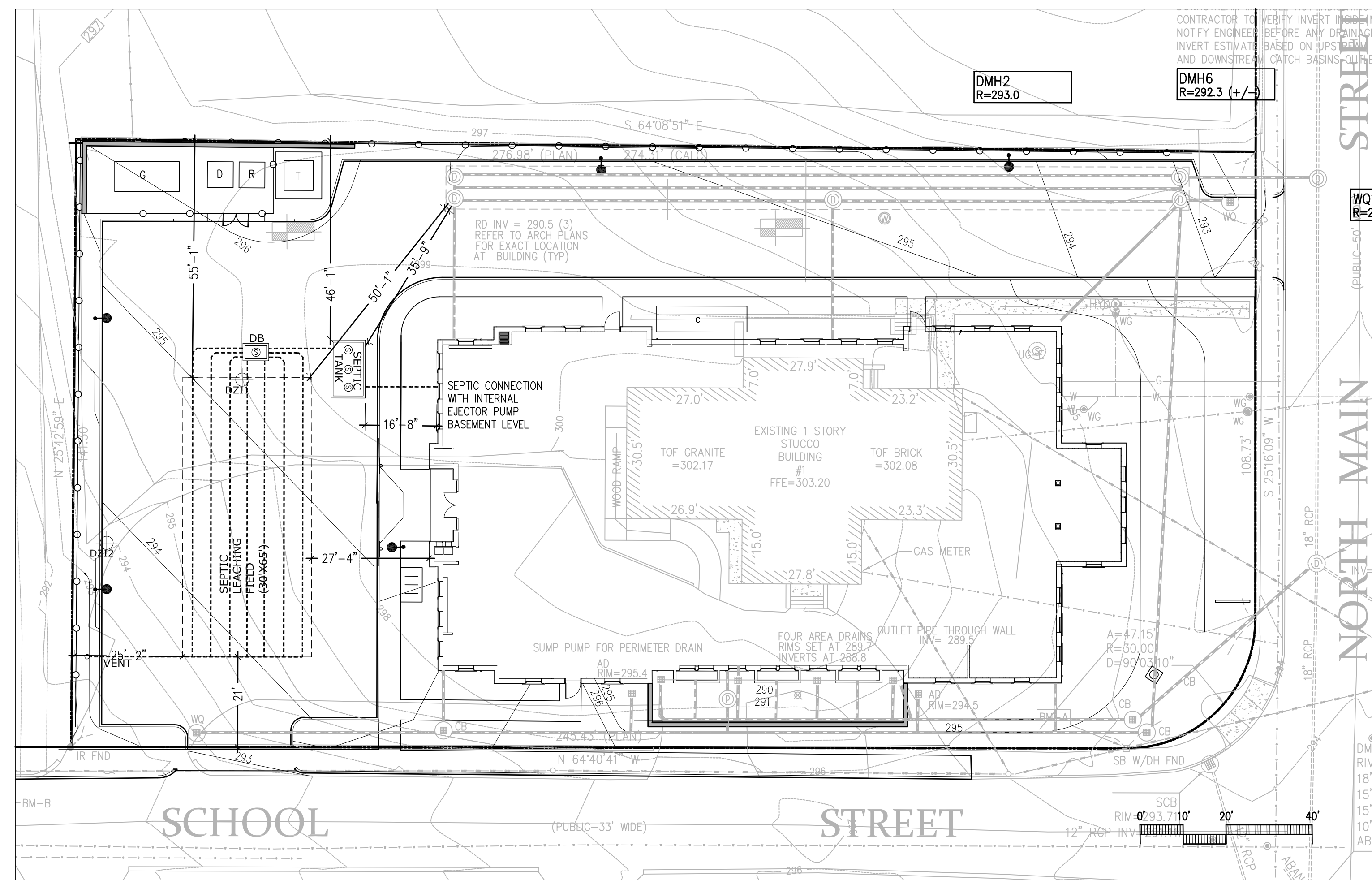
Soil Log DZI-1

Maintenance Notes

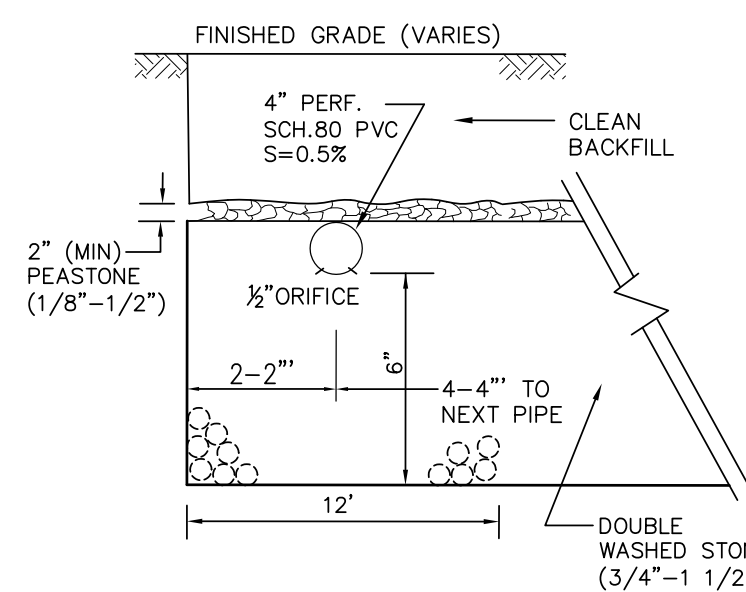
- SEPTIC TANK:**
- PUMPING OF THE SEPTIC TANK IS REQUIRED WHENEVER THE TOP OF THE SLUDGE OR SOLIDS LAYER IS WITHIN 12 INCHES OR LESS OF THE BOTTOM OF THE OUTLET TEE OR THE TOP OF THE SCUM LAYER IS WITHIN 2 INCHES OF THE BOTTOM OF THE OUTLET TEE. PUMPING IS RECOMMENDED AT LEAST ONCE EVERY YEAR. THE EFFLUENT FILTER REQUIRES CLEANING WHEN THE SEPTIC TANK IS NORMALLY INSPECTED AND PUMPED.

Existing System

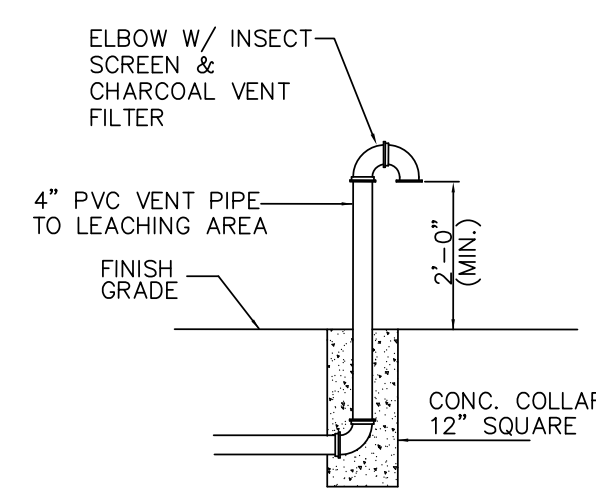
THE EXISTING SYSTEM LOCATED INB THE NORTHEAST CORNER OF THE LOT IS TO BE REMOVED IN ACCORDANCE WITH THE SHARON BOARD OF HEALTH DIRECTION.



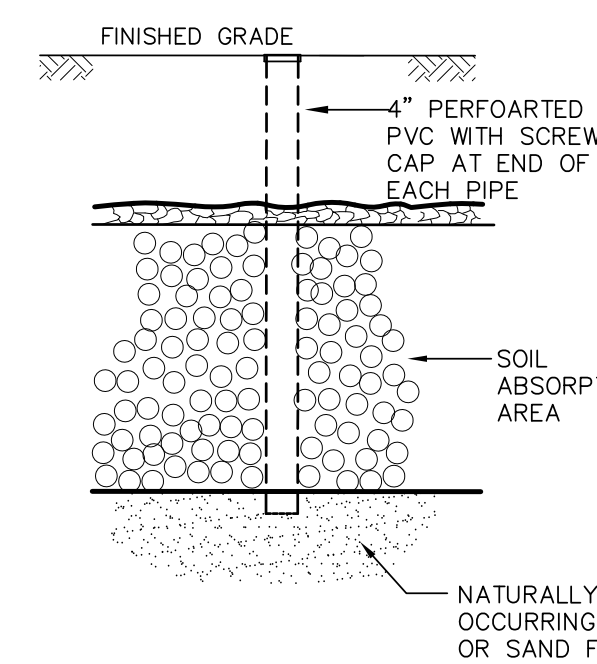
SEPTIC LAYOUT 20 SCALE



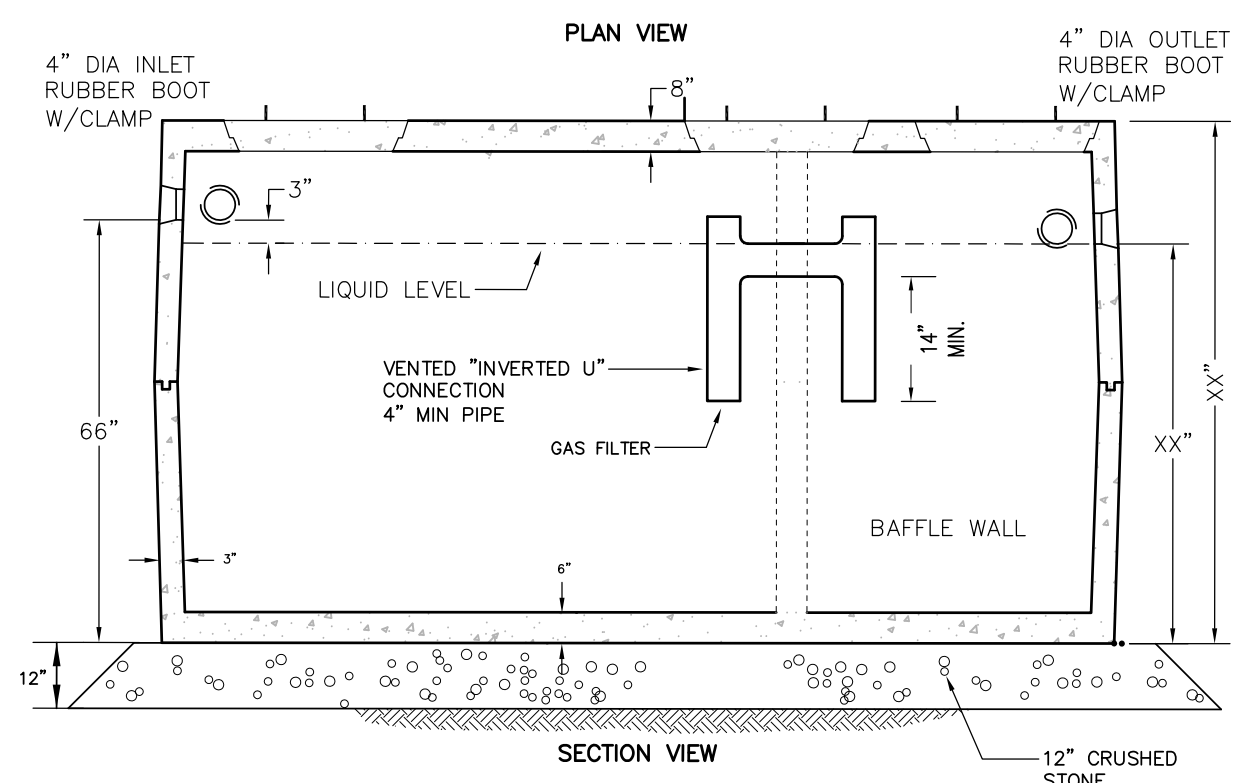
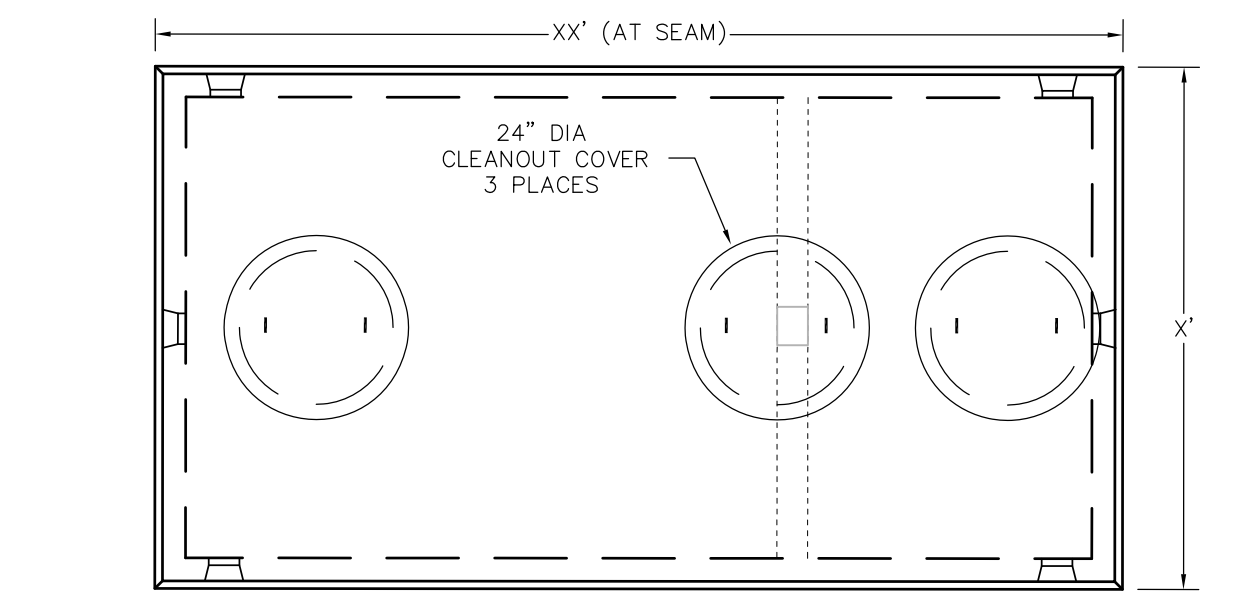
Leaching Field



Vent

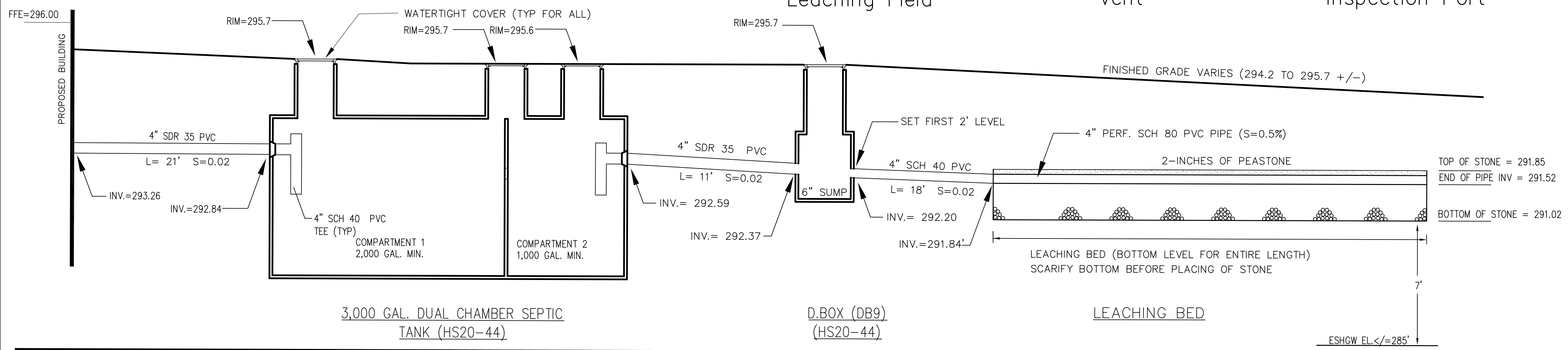


Inspection Port



- INLET FROM BUILDING SEWER.
- SEPTIC TANK SHALL BE EQUIPPED WITH A D.E.P. APPROVED EFFLUENT FILTER, SUCH AS ZABEL, POLYLOK OR OTHER APPROVED EQUAL.
- ALL MANHOLE FRAMES AND COVERS SHALL BE ADJUSTED TO FINISH GRADE WITH COURSES OF BRICK AND MORTAR.

Septic Tank (3,000 Gallons)



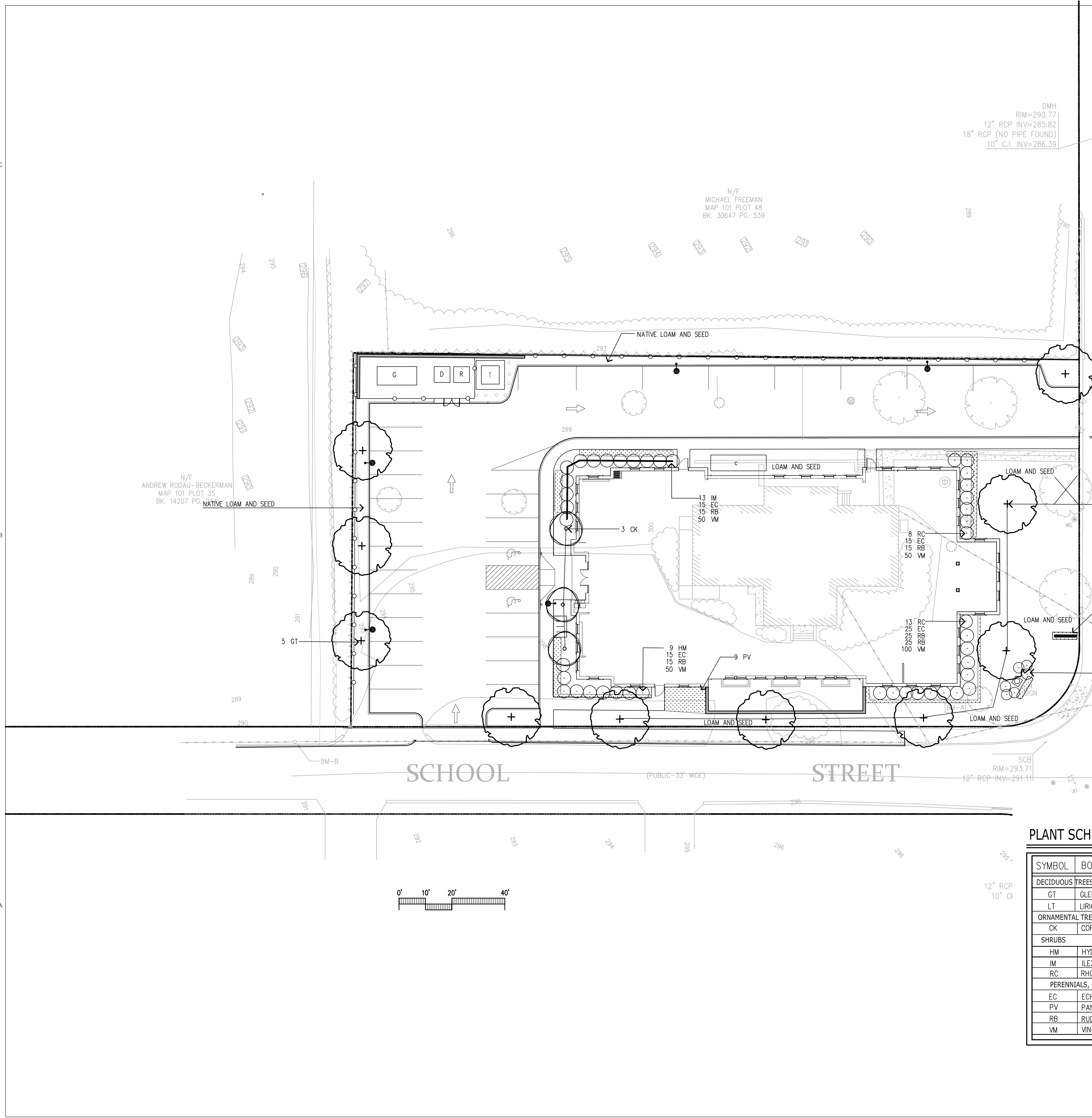
SEPTIC SYSTEM SCHEMATIC PROFILE



REVISIONS

- 4-16-20 SURVEY UPDATE ISSUED FOR PERMIT 3/25/20 SEPTIC SYSTEM PLAN AND DETAILS

3/25/20



PLANTING NOTES

- EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY JACOB DRISCOLL OF NORTH EASTON, MA, DATED 16 SEPTEMBER 2016.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON THE SURVEY REFERENCED ABOVE. THE CONTRACTOR SHALL CONTACT DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
- CONTRACTOR SHALL BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING AND WILL CONTINUE UNTIL FINAL WRITTEN ACCEPTANCE OF PLANT MATERIAL.
- LANDSCAPE ARCHITECT TO FLAG ALL TREES TO BE TRANSPLANTED PRIOR TO CONSTRUCTION START.
- CONTRACTOR SHALL VERIFY ALL TREE REMOVALS AND/OR TRANSPLANTS WITH OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION START.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES, AND PLANTING BEDS.
- MAXIMUM SLOPE WITHIN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
- THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE ALL PLANTINGS SHOWN ON THIS DRAWING.
- ALL MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
- ALL PLANTS SHALL BE BALLED IN BURLAP OR CONTAINERIZED.
- MULCH FOR PLANTED AREAS TO BE AGED PINE BARK: PARTIALLY DECOMPOSED, DARK BROWN IN COLOR AND FREE OF WOOD CHIPS THICKER THAN 1/4 INCH.
- PLANTING SOIL MIX: LOAM THOROUGHLY INCORPORATED WITH ROTTED MANURE PROPORTIONED 5 C.Y. TO 1 C.Y. OR EQUIVALENT. FERTILIZER ADDED PER RECOMMENDED RATES OF SOILS ANALYSIS.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE (1) FULL YEAR FROM DATE OF ACCEPTANCE.
- ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, AT THE NURSERY, AND AT THE SITE.
- ALL AREAS OF THE SITE WHICH HAVE BEEN DISTURBED AND NOT OTHERWISE DEVELOPED SHALL BE LOAMED AND SEEDED WITH A MINIMUM DEPTH OF 6" DEPTH TOPSOIL.
- PLANT SPECIES AS INDICATED IN THE PLANT LIST ARE SUGGESTIONS ONLY. FINAL SELECTION OF SPECIES SHALL OCCUR AT THE TIME OF PLANT PURCHASE, DEPENDING ON AVAILABILITY. PLANT SIZE AND QUANTITY SHALL NOT CHANGE WITHOUT APPROVAL OF OWNER'S REPRESENTATIVE.

PLANTING LEGEND

- PROPERTY LINE
- GROUNDCOVER / PERENNIAL PLANTING
- SHRUB PLANTING
- ORNAMENTAL TREE
- EVERGREEN TREE
- DECIDUOUS TREE

PLANT SCHEDULE

| SYMBOL | BOTANICAL NAME | COMMON NAME | QTY | SIZE | COMMENT |
|---|---------------------------------|--------------------------|-----|----------------|---------|
| DECIDUOUS TREES | | | | | |
| GT | GLEDITSIA TRIACANTHOS 'INERMIS' | THORNLESS HONEYLOCUST | 5 | 3 -3 1/2" CAL. | |
| LT | LIRIODENDRON TULIPIFERA | TULIP TREE | 5 | 3 -3 1/2" CAL. | |
| ORNAMENTAL TREES | | | | | |
| CK | CORNUS KOUSA | DOGWOOD | 3 | 6-7' HT. | CLUMP |
| SHRUBS | | | | | |
| HM | HYDRANGEA MACR. ENDLESS SUMMER | ENDLESS SUMMER HYDRANGEA | 9 | 24-36" HT. | |
| IM | ILEX MESERVAE 'BLUE PRINCESS' | BLUE PRINCESS HOLLY | 19 | 24-36" HT. | |
| RC | RHODODENDRON CHINOIDES | WHITE RHODODENDRON | 21 | 24-36" HT. | |
| PERENNIALS, GROUNDCOVER AND ORNAMENTAL GRASSES | | | | | |
| EC | ECHINACEA BUTTERFLY KISSES | PINK CONE FLOWER | 100 | 1 GAL. | |
| PV | PANICUM VIRGATUM | SWITCH GRASS | 29 | 1 GAL. | |
| RB | RUDBECKIA 'GOLDSTRUM' | BLACK EYED SUSAN | 125 | 1 GAL. | |
| VM | VINCA MINOR | COMMON MYRTLE | 300 | 4" POTS | |

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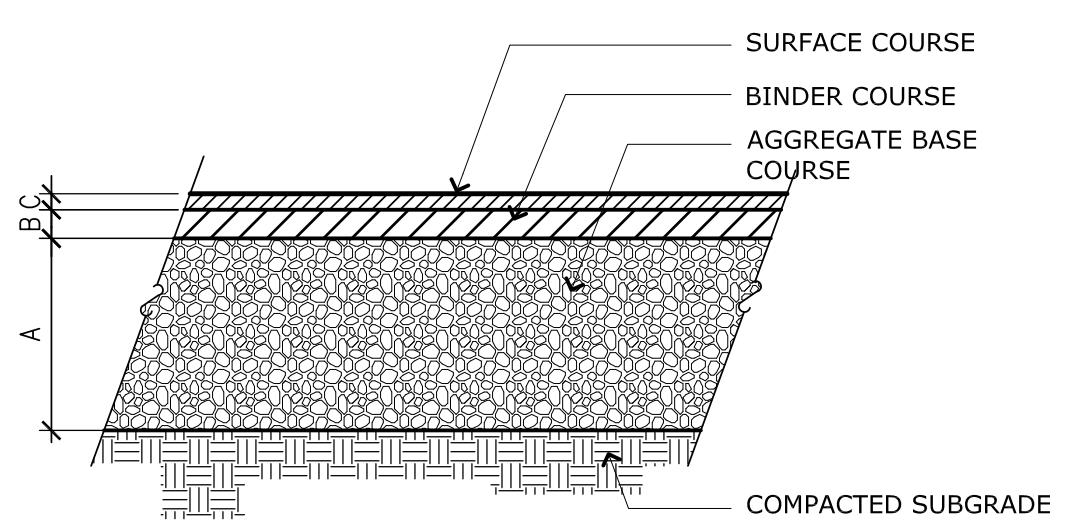
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REVISIONS

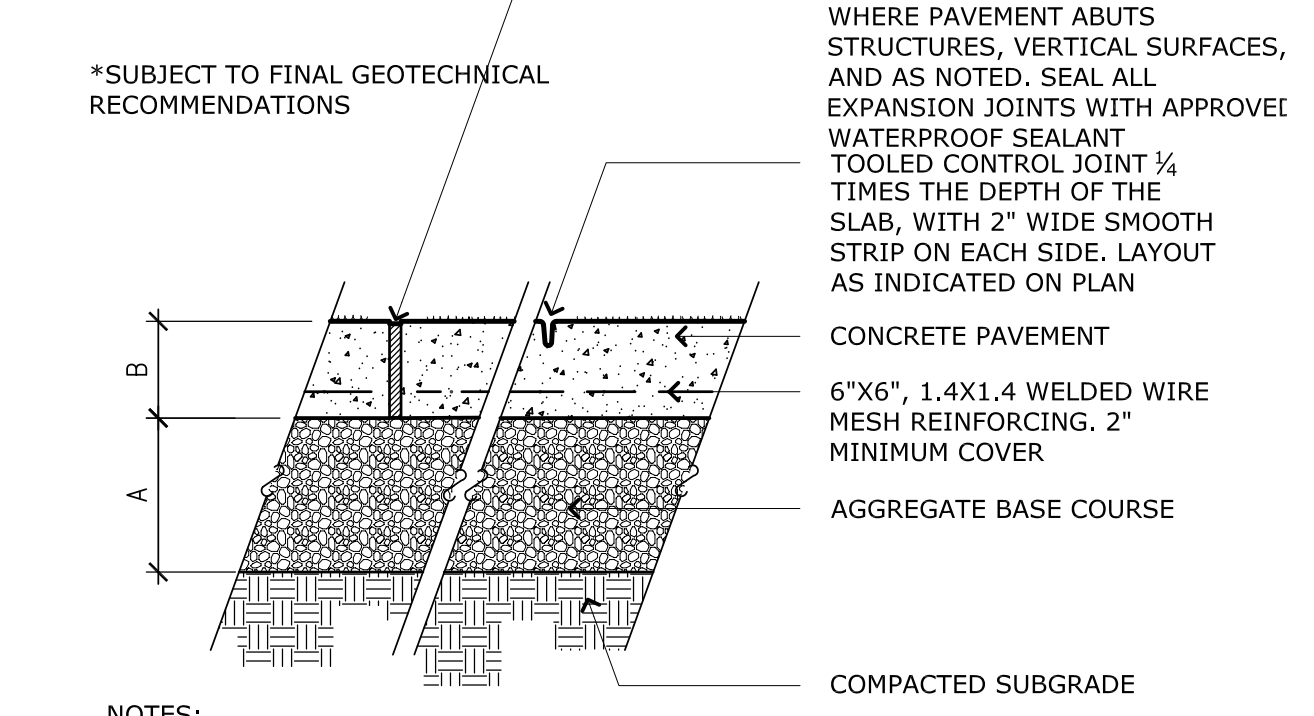
 4-16-20 SURVEY UPDATE
 ISSUED FOR PERMIT 3/25/20
 PLANTING PLAN

| | | | |
|---------------------|-----|--------|--------|
| BIT. CONCRETE WALK | A | B | C |
| | 6" | 1 1/2" | 1" |
| BIT. CONCRETE DRIVE | 12" | 2 1/2" | 1 1/2" |

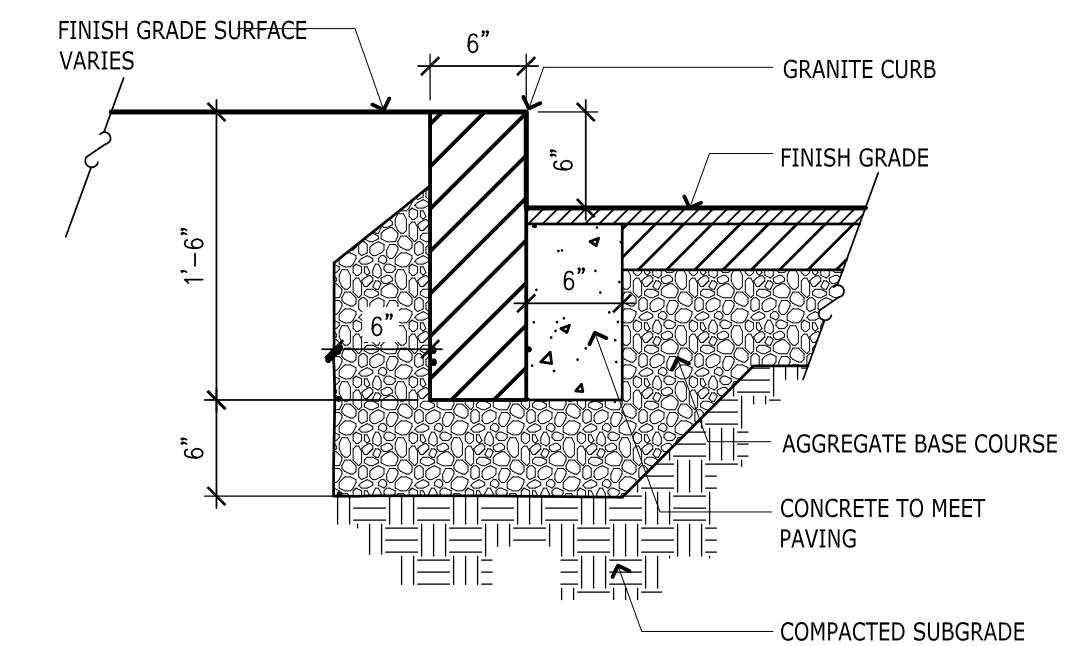


1 BITUMINOUS CONCRETE PAVEMENT

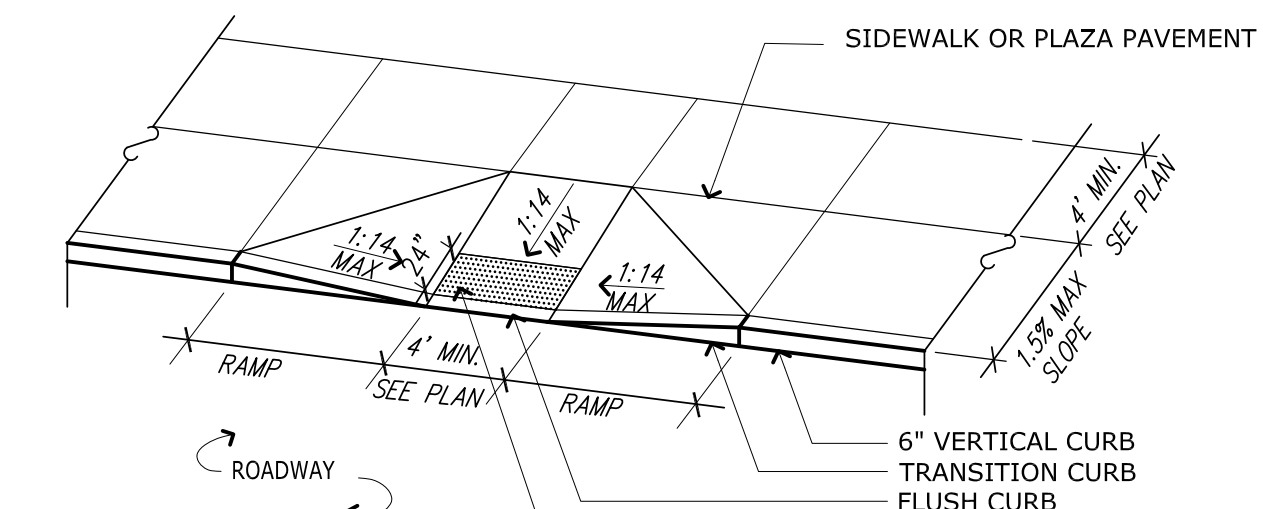
| | | |
|--|-----|----|
| CONCRETE WALK AND PAD | A | B |
| | 6" | 4" |
| HEAVY DUTY PVMT GENERATOR PAD AND DUMPSTER PAD | 12" | 6" |



2 CEMENT CONCRETE PAVEMENT

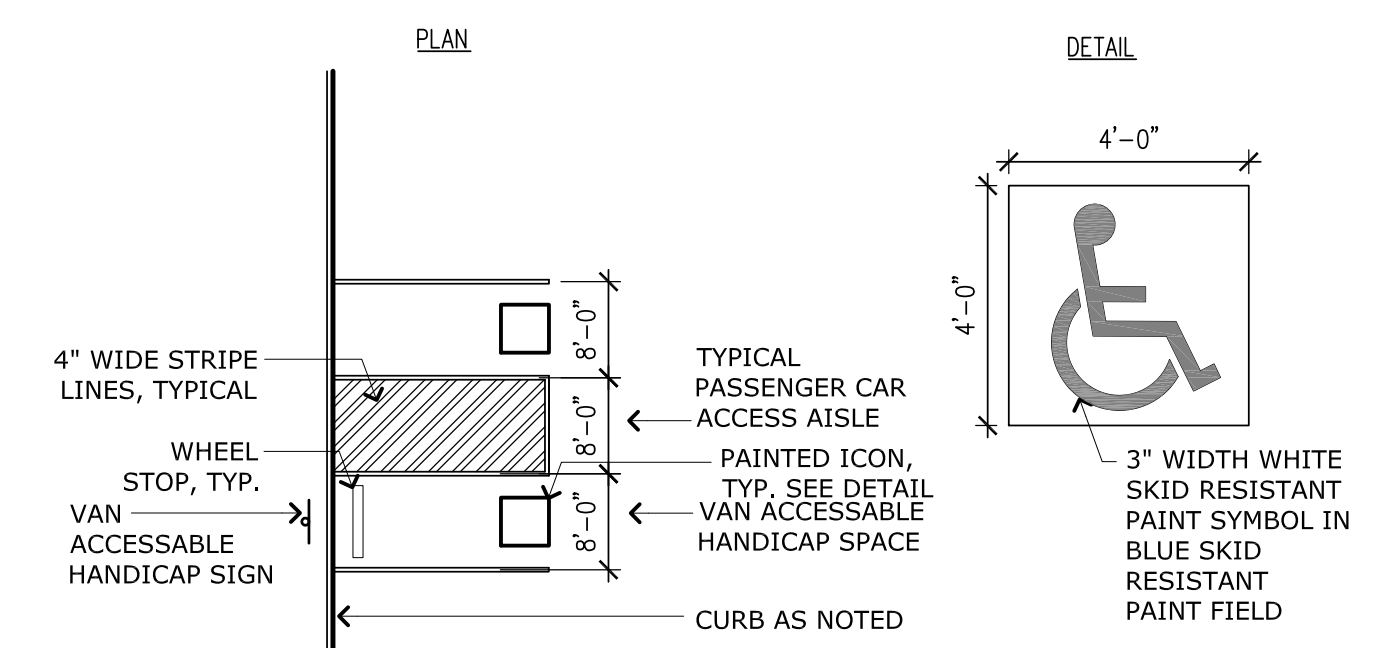


3 VERTICAL GRANITE CURB

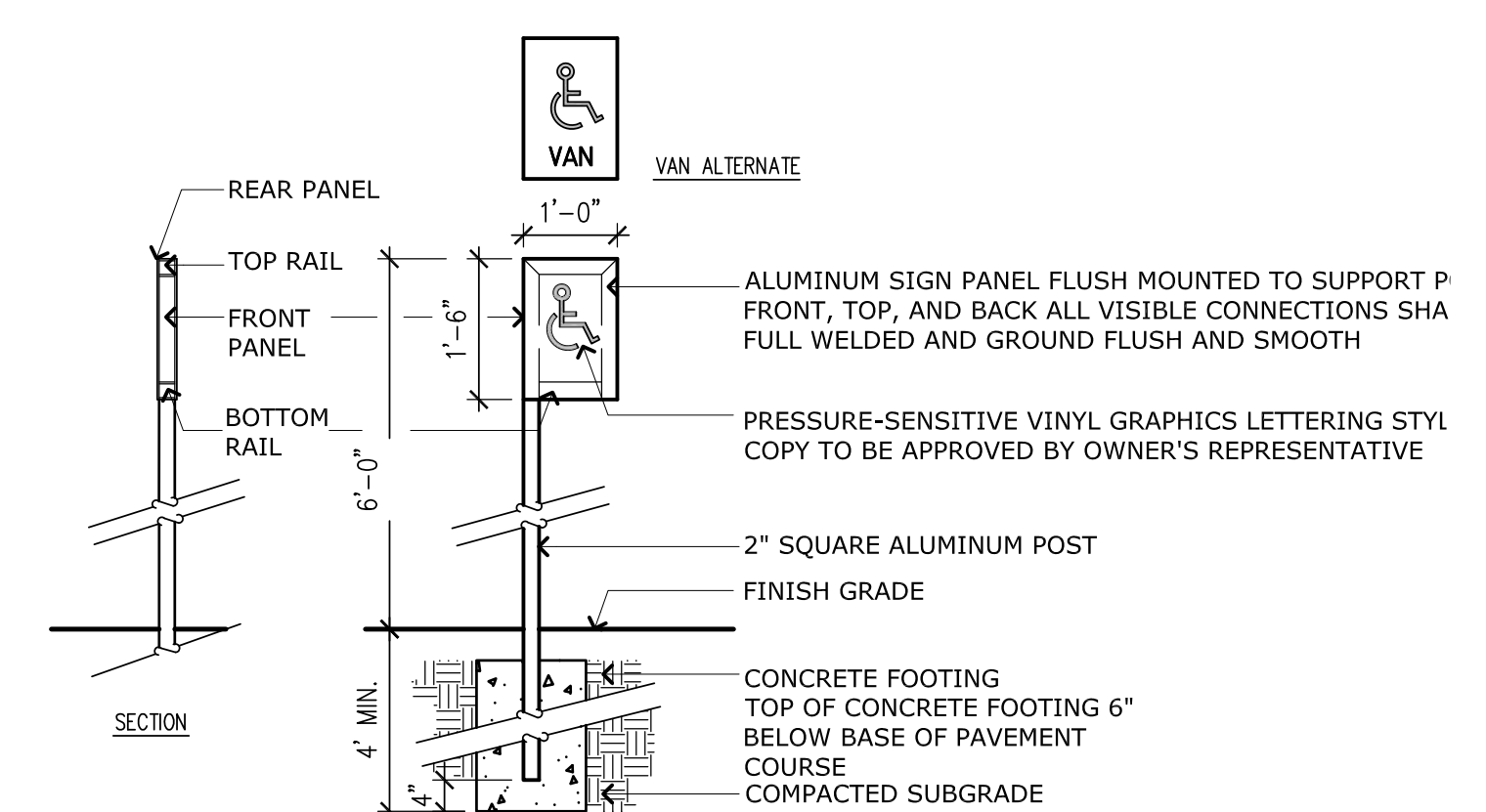


- NOTES:
- RAMP CROSS SECTION TO BE THE SAME AS ADJACENT SIDEWALK, DEPTH OF SURFACE AND FOUNDATION.
 - DIMENSIONS ARE SUBJECT TO CHANGE IN FIELD. ALL SLOPES AND DIMENSIONS TO COMPLY WITH A.D.A. AND MAAB REQUIREMENTS.
 - PROVIDE EXPANSION JOINT AT TOPS OF RAMP AND AT BACK OF WALK AT INTERFACE OF CURB.
 - PROVIDE HEAVY BROOM FINISH ON RAMP AND SIDE SLOPES PERPENDICULAR TO FLOW OF TRAFFIC.
 - MINIMUM WALK DIMENSIONS ARE FROM BACK OF CURB.
 - TRANSITION CURB LENGTH AS REQUIRED TO MEET CODE.
 - FIXED OBJECTS (i.e. UTILITY POLES, HYDRANTS ETC.) MUST NOT ENCR OACH ON ANY PART OF A WHEELCHAIR RAMP, INCLUDING TRANSITION SLOPES.
 - AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE OF THE CROSSWALK.

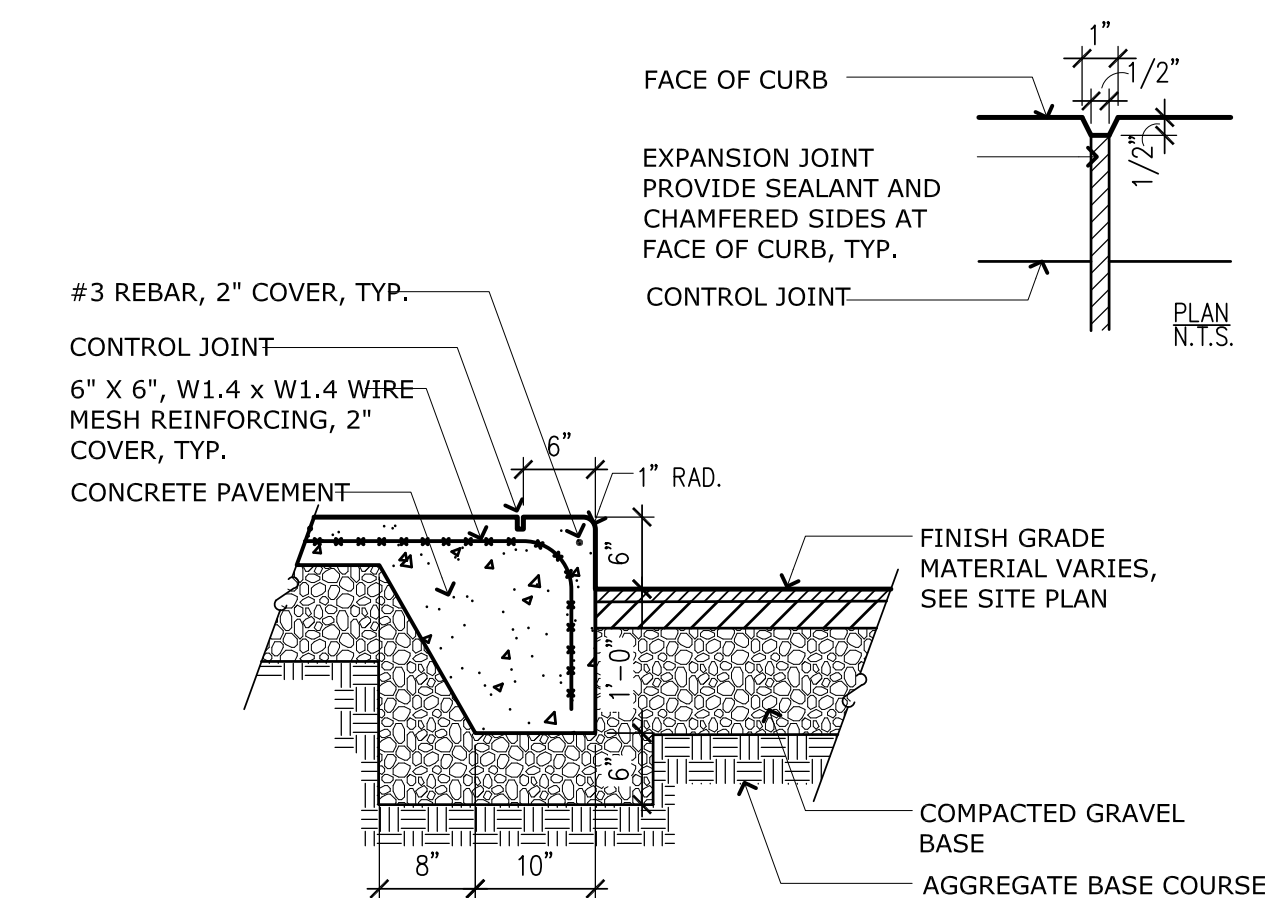
4 CURB CUT



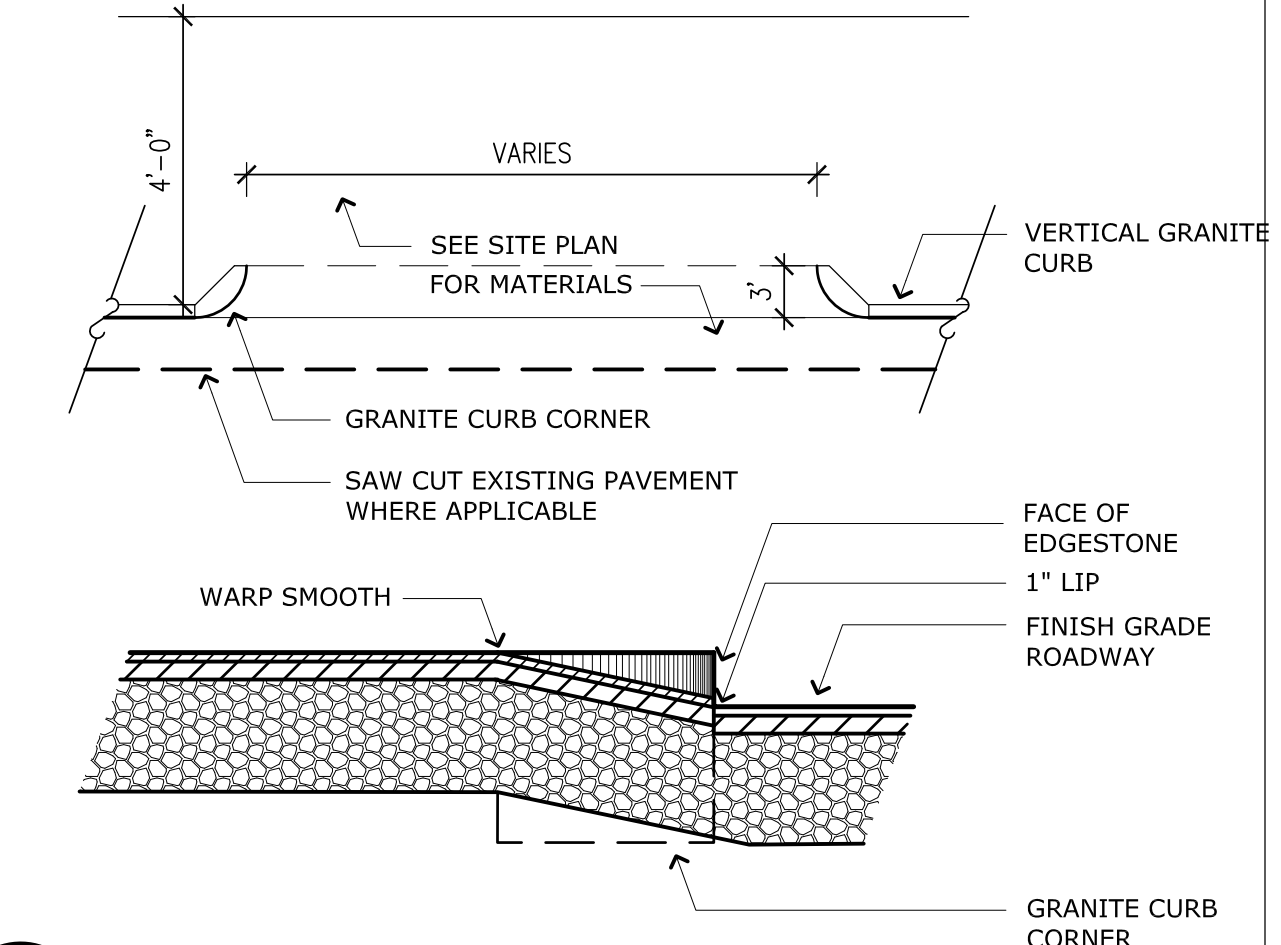
5 HANDICAP PARKING LAYOUT



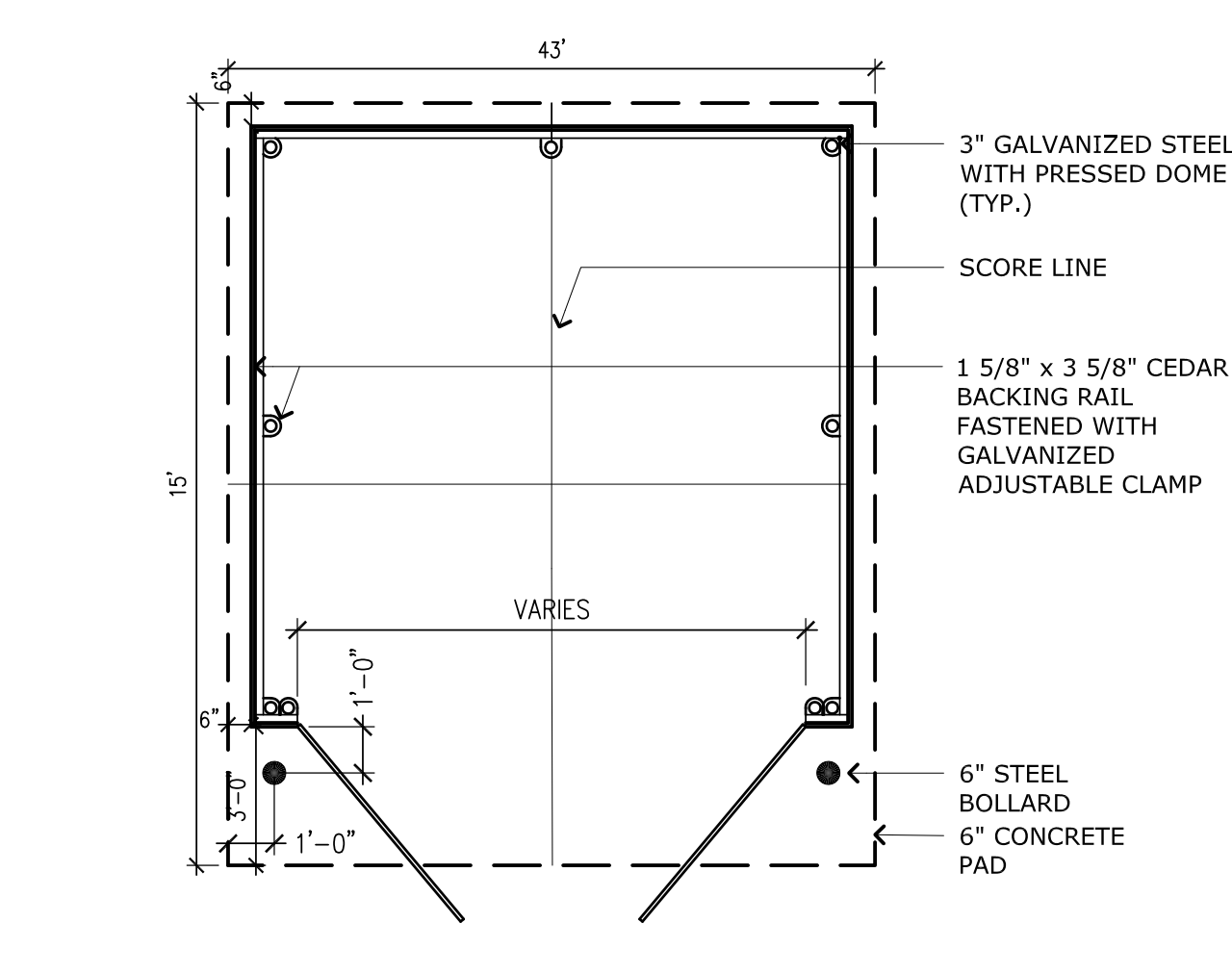
6 HANDICAP PARKING SIGN



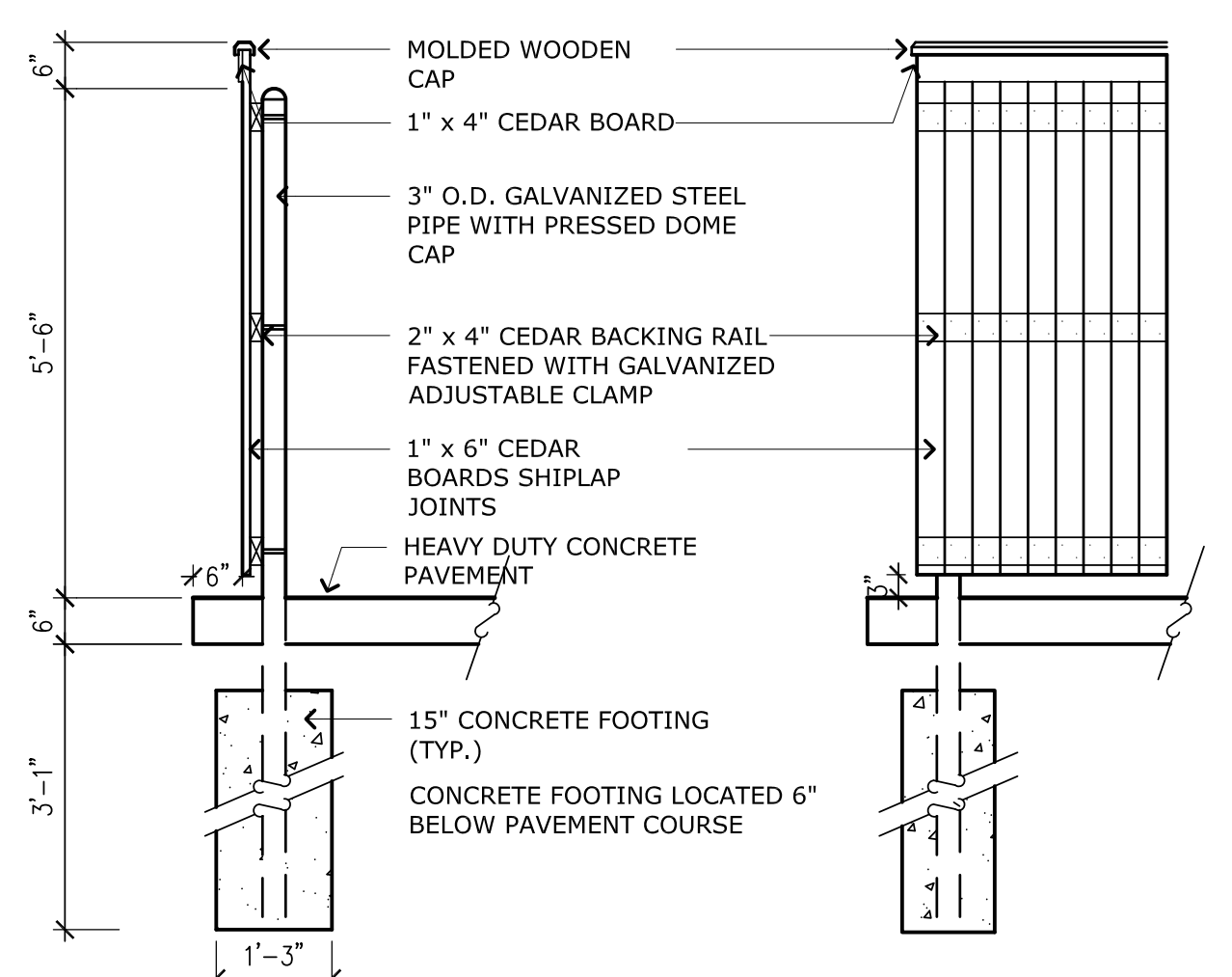
7 INTEGRAL CONCRETE CURB



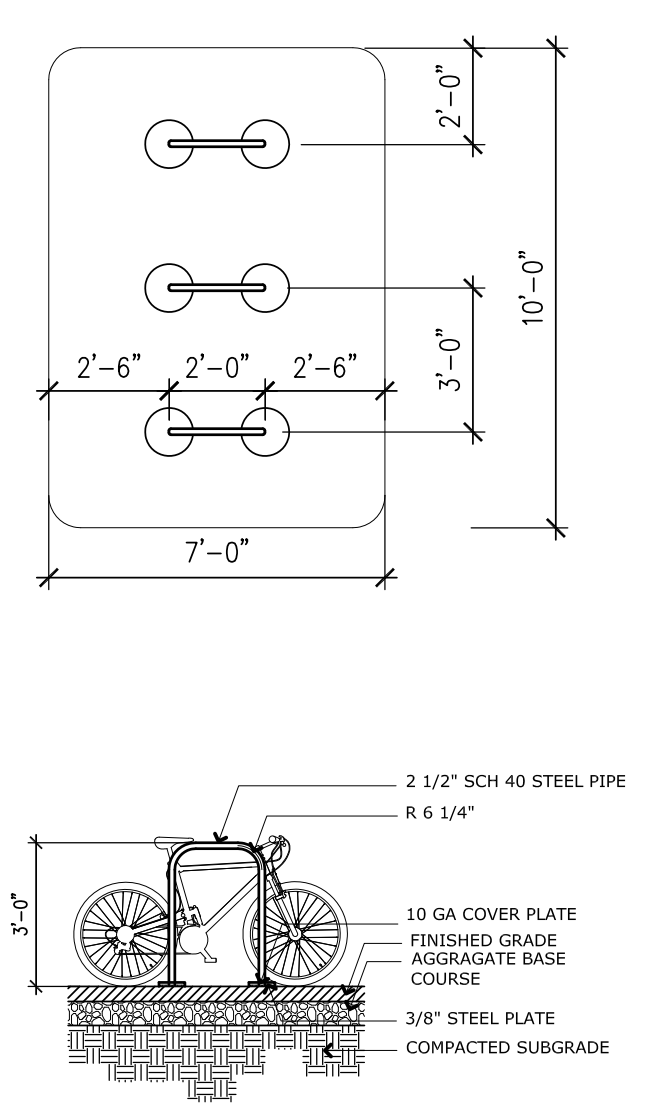
8 DRIVEWAY CURB CUT



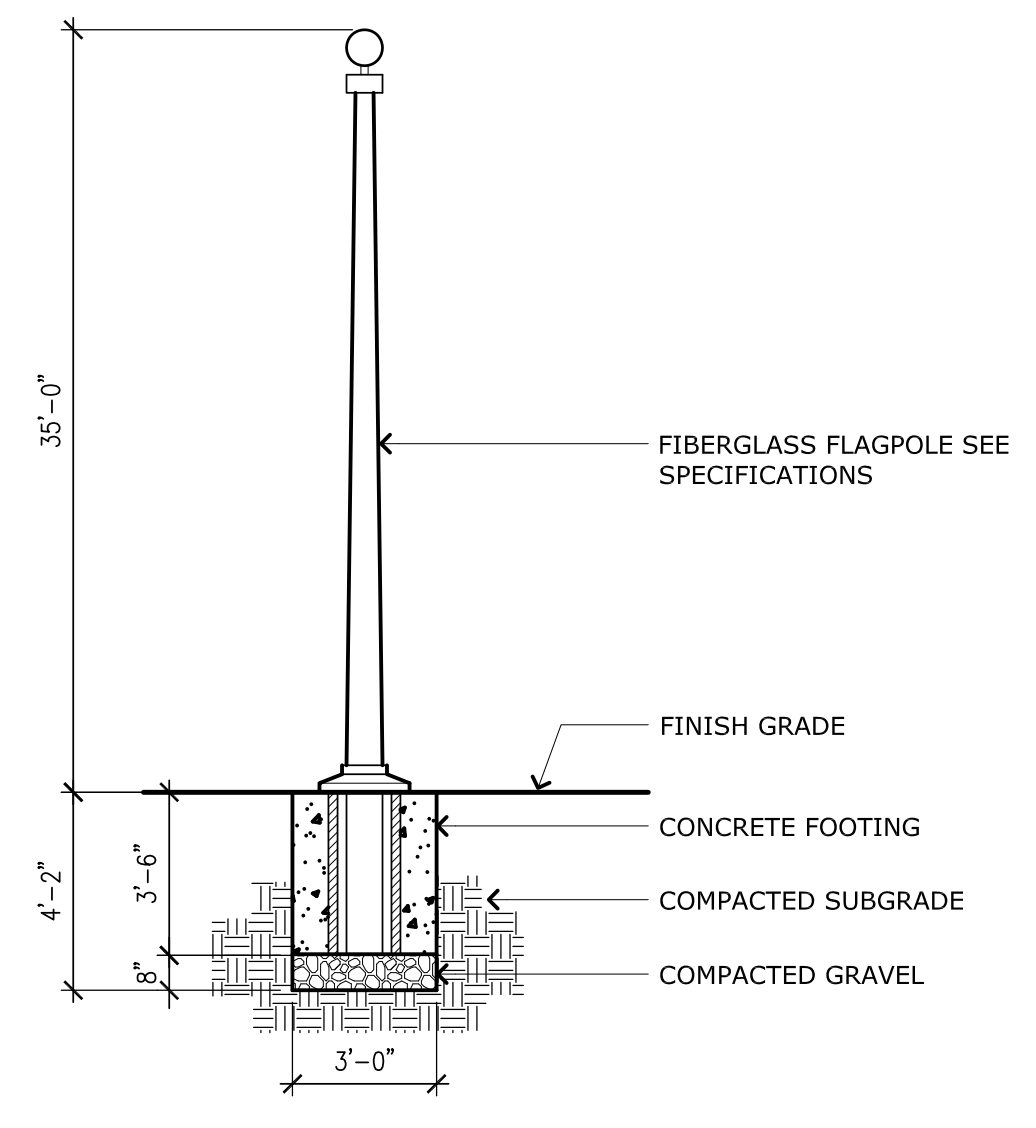
9 DUMPSTER PAD AND ENCLOSURE



10 BIKE RACK



11 INTEGRAL CONCRETE CURB



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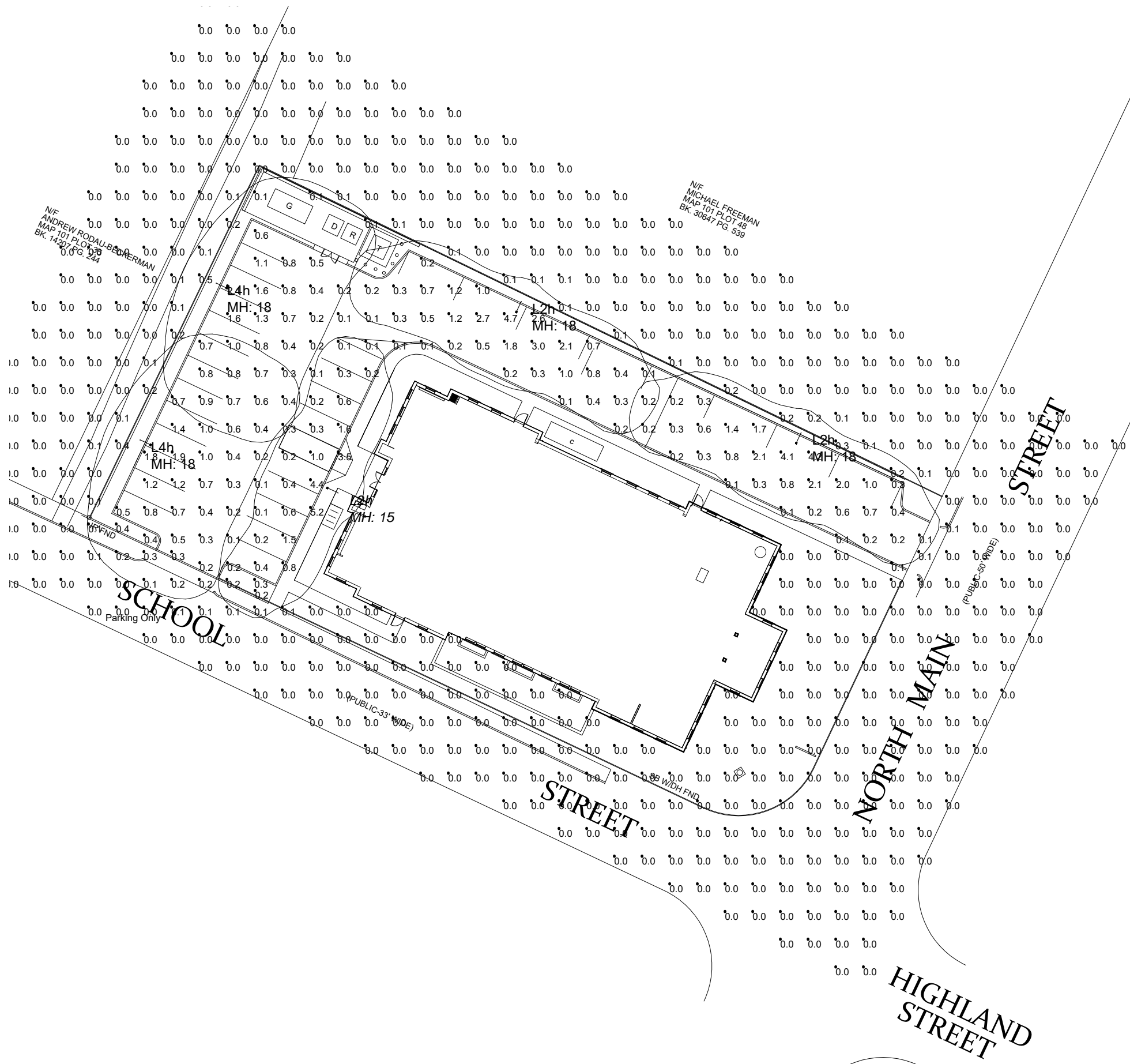
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4-16-20 SURVEY UPDATE
ISSUED FOR PERMIT 3/25/20
SITE DETAILS SHEET

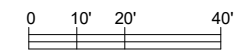
3/25/20
C.500



| Outdoor Luminaire Schedule | | | | | | | |
|----------------------------|-----|-------|----------------------------------|-----|-------------|-------|---------------------------------|
| Symbol | Qty | Label | Description | Arm | Lum. Lumens | LLF | Filename |
| — | 3 | L2h | LIN-M1075-UNV-L30-2-C(X)-XX-HSS- | 2.1 | 3467 | 0.900 | LIN-M1075-3000K-TYPE II-HSS.IES |
| — | 2 | L4h | LIN-M1075-UNV-L30-4-C(X)-XX-HSS- | 2.1 | 2834 | 0.900 | LIN-M1075-3000K-TYPE IV-HSS.IES |

| Luminaire Location Summary | | | | | | |
|----------------------------|-------|------------|------------|----|---------|------|
| LumNo | Label | X | Y | Z | Orient | Tilt |
| 1 | L4h | 743391.625 | 2871139.75 | 18 | 334.591 | 0 |
| 2 | L2h | 743501.875 | 2871133.12 | 18 | 244.927 | 0 |
| 3 | L2h | 743603 | 2871085.75 | 18 | 244.927 | 0 |
| 4 | L4h | 743364.125 | 2871083.12 | 18 | 334.591 | 0 |
| 5 | L2h | 743435.625 | 2871064 | 15 | 155.392 | 0 |

| Calculation Summary | | | | | | | |
|---------------------|-------------|-------|------|-----|-----|---------|---------|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| Off Site | Illuminance | Fc | 0.02 | 0.5 | 0.0 | N.A. | N.A. |
| Parking Only | Illuminance | Fc | 0.82 | 5.2 | 0.1 | 8.20 | 52.00 |



| | |
|---|---|
| OMNI-LITE, INC. 263 WINN STREET BURLINGTON, MA 01803 PH # 781-272-2300, FAX # 781-272-0759 www.omnilight.com | |
| PROJECT: Sharon Public Library | |
| CLIENT: XXX | |
| SCALE: FEET | FILE: omni sharon public library 02.adm |
| DATE: 04/08/2020 | SALES PERSON: Sean Goulding |
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