

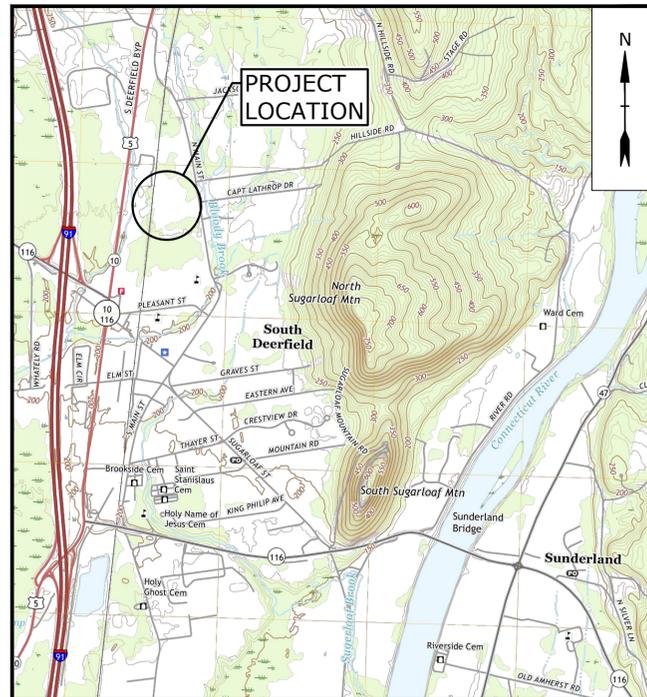
TOWN OF DEERFIELD, MASSACHUSETTS

FRONTIER REGIONAL HIGH SCHOOL

GREEN PARKING LOT PROJECT

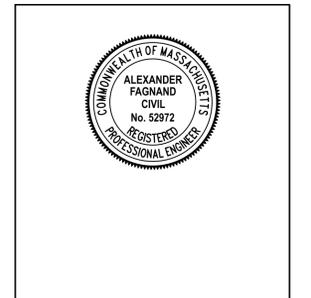
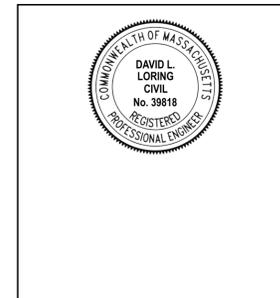
JUNE 30, 2020

DRAWING NO.	DRAWING TITLE
G-001	COVER SHEET
G-002	STANDARD LEGEND AND ABBREVIATIONS
G-003	GENERAL NOTES
G-004	INDEX AND PAVING LOCUS PLAN
C-101	EXISTING CONDITIONS & DEMOLITION PLAN - 1
C-102	EXISTING CONDITIONS & DEMOLITION PLAN - 2
C-103	EXISTING CONDITIONS & DEMOLITION PLAN - 3
C-201	SITE LAYOUT PLAN - 1
C-202	SITE LAYOUT PLAN - 2
C-203	SITE LAYOUT PLAN - 3
C-204	GRADING AND DRAINAGE PLAN - 1
C-205	GRADING AND DRAINAGE PLAN - 2
C-206	GRADING AND DRAINAGE PLAN - 3
C-501	DETAILS - 1
C-502	DETAILS - 2
C-503	DETAILS - 3
C-504	DETAILS - 4
C-505	DETAILS - 5
C-506	DETAILS - 6



LOCATION MAP
SCALE: 1" = 2000'

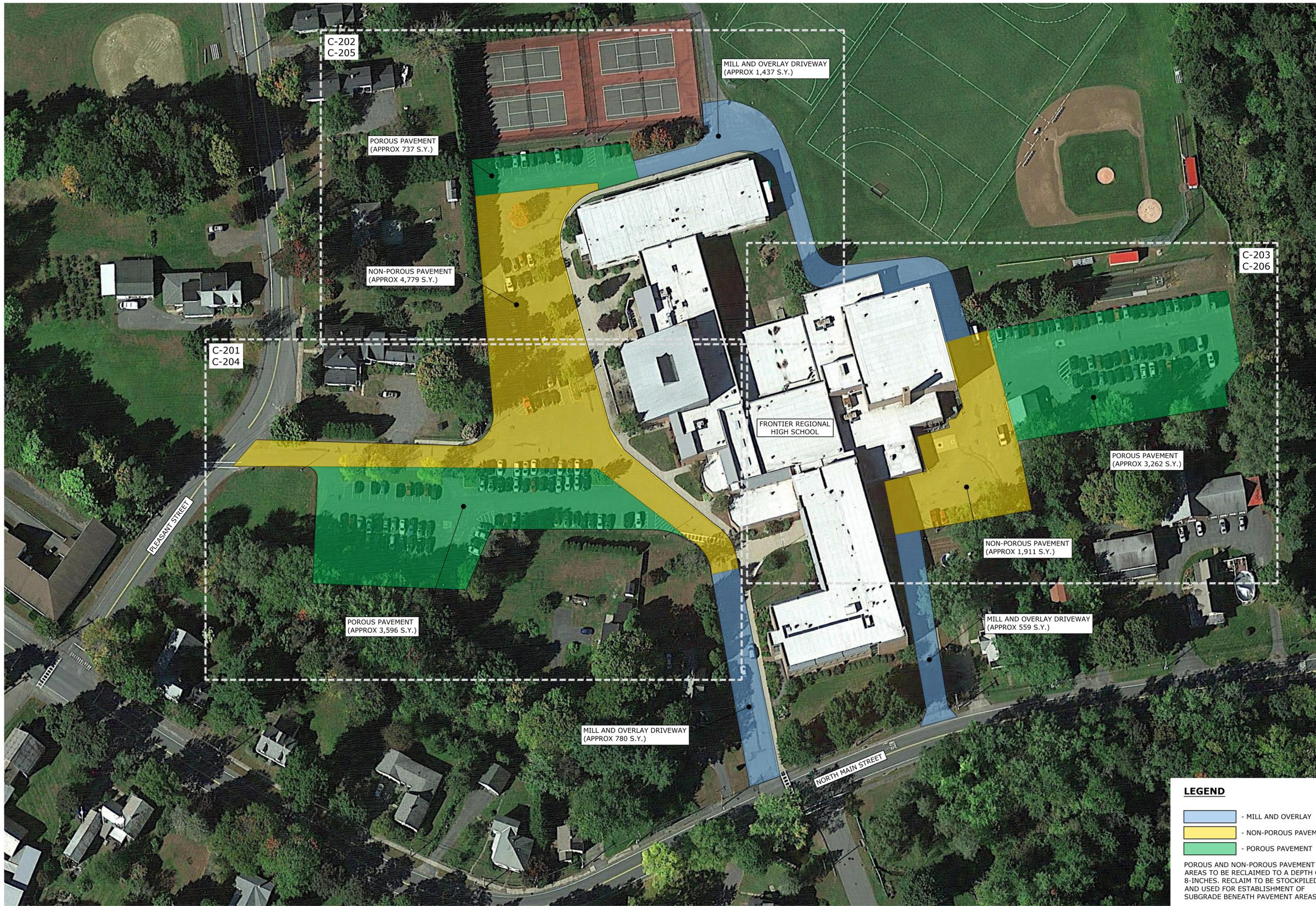
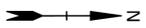
PREPARED BY:
Tighe & Bond



PREPARED FOR:
TOWN OF DEERFIELD, MA
KAYCE WARREN, TOWN ADMINISTRATOR

FRONTIER REGIONAL AND UNION 38 SCHOOL DISTRICT
DARIUS MODESTO, SUPERINTENDENT

COMPLETE SET 19 SHEETS



Green Parking Lot Project

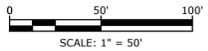
Frontier Regional High School

Deerfield, MA

LEGEND

- MILL AND OVERLAY
- NON-POROUS PAVEMENT
- POROUS PAVEMENT

POROUS AND NON-POROUS PAVEMENT AREAS TO BE RECLAIMED TO A DEPTH OF 8-INCHES. RECLAIM TO BE STOCKPILED AND USED FOR ESTABLISHMENT OF SUBGRADE BENEATH PAVEMENT AREAS.

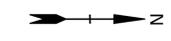


MARK	DATE	DESCRIPTION
PROJECT NO:	D5017-006	
DATE:	04/27/2020	
FILE:	D5017-06-01-C-004-INDX-2.dwg	
DRAWN BY:	MDS	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

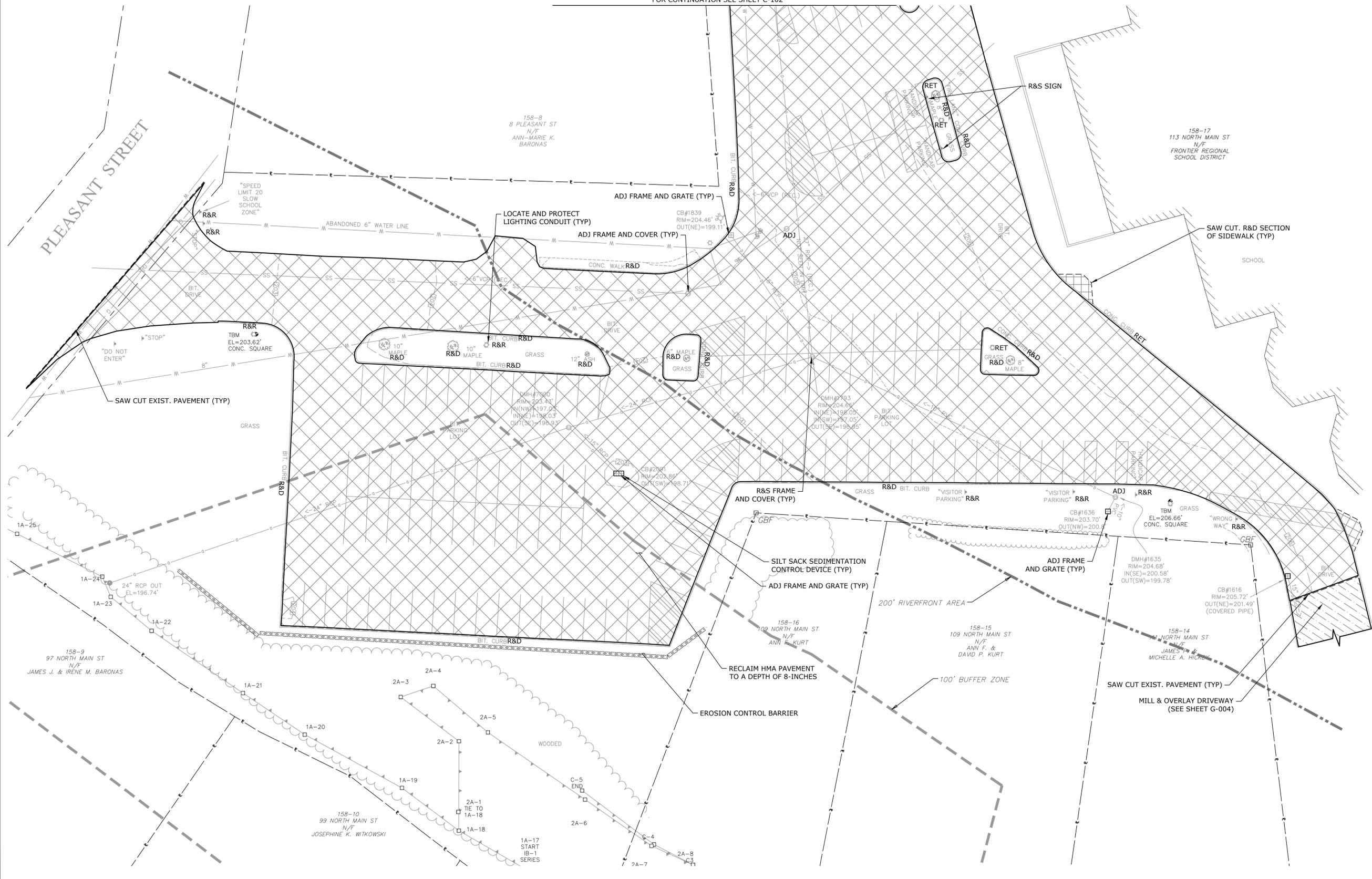
INDEX AND PAVING LOCUS PLAN

SCALE: 1" = 50'

G-004



FOR CONTINUATION SEE SHEET C-102



Green Parking Lot Project

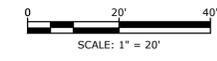
Frontier Regional High School

Deerfield, MA

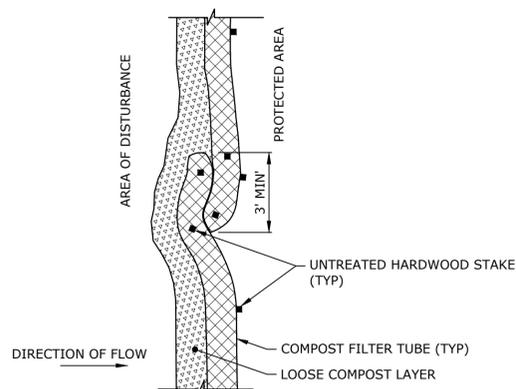
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PROJECT NO:	DS017-006	
DATE:	04/27/2020	
FILE:	DS017-06-01-C-101-EXCN.dwg	
DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

EXISTING CONDITIONS & DEMOLITION PLAN - 1

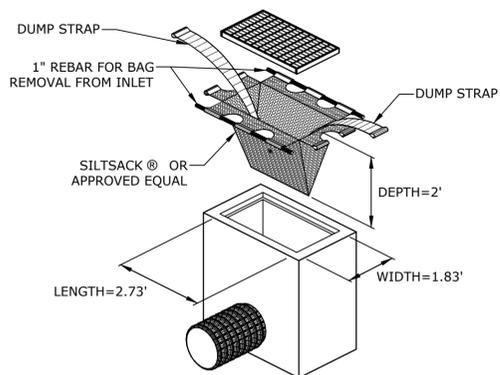
SCALE: 1" = 20'



Last Saved: 6/29/2020 5:43pm By: ADF
 Plotted On: Jun 29, 2020 5:43pm
 Figure & Legend: 210 (DS017 Town of Deerfield) 006 - Green Parking Lots Drawings - Figures\Frontier\AutoCAD\Sheet\Construction Drawings\DS017-06-01-C-101-EXCN.dwg

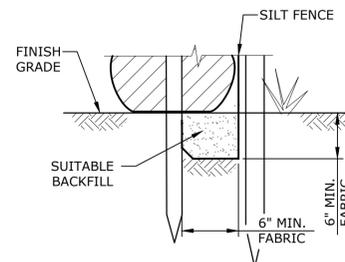


PLAN VIEW - JOIN DETAIL

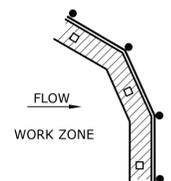


SILTSACK MANUFACTURED BY:
ACF ENVIRONMENTAL
2831 CARDWELL ROAD
RICHMOND, VIRGINIA 23237

SILTSACK®
NO SCALE

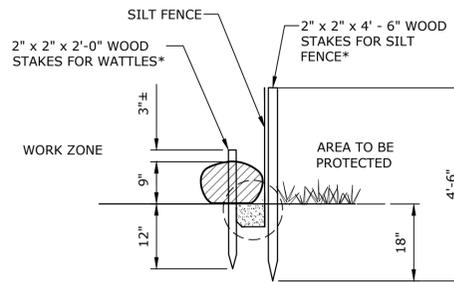


FABRIC TOE-IN DETAIL



PLAN

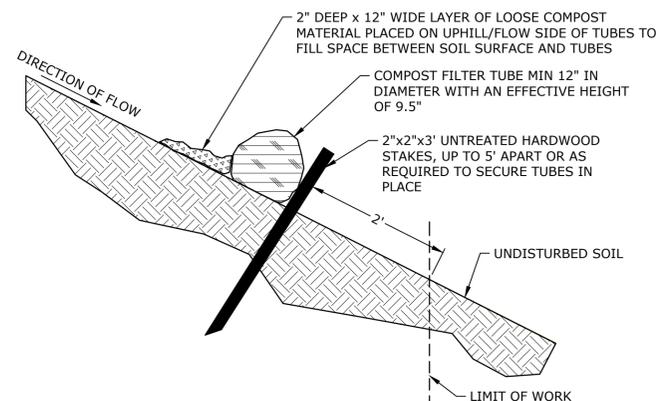
- * - STAKES TO BE SPACED AT 4'-5" O.C. STAGGER STAKES BETWEEN STRAW WATTLES AND SILT FENCE
- * - STRAW WATTLES TO BE MINIMUM OF 12" IN DIAMETER



SECTION

NOTE: ALL EXISTING FENCING TO BE REMOVED AT PROJECT COMPLETION WHEN VEGETATION HAS BEEN ESTABLISHED. WATTLES TO REMAIN

SILT FENCE - STRAW WATTLE DETAIL
NO SCALE

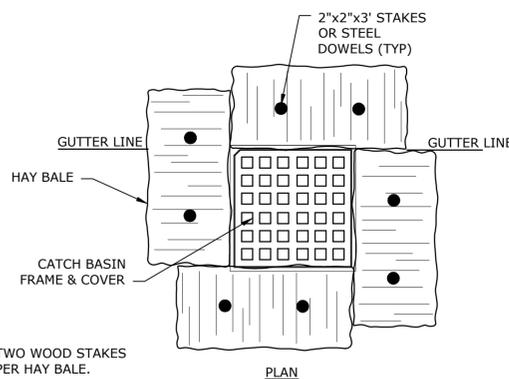


SECTION VIEW

FILTER TUBE NOTES:

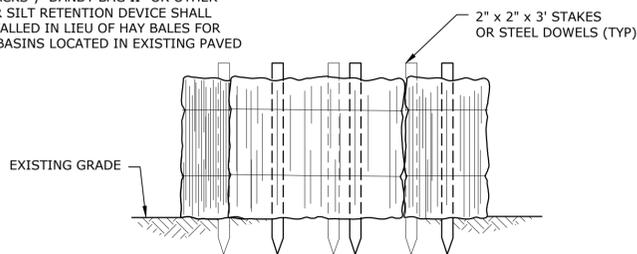
1. TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL.
2. MINIMUM TUBE DIAMETER SHALL BE 12" FOR SLOPES UP TO 50' IN LENGTH WITH A GRADE OF 3H:1V OR LESS. SITES WITH A GRADE STEEPER THAN 3H:1V OR A SLOPE LONGER THAN 50' MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR SITES WITH LONGER OR STEEPER SLOPES.
3. INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW. DO NOT INSTALL IN PERENNIAL, EPHEMERAL OR INTERMITTENT STREAMS.
4. CONFIGURE TUBES AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF. PLACING TUBES AGAINST THE UPHILL SIDE OF WELL-ANCHORED STATIONARY FEATURES, SUCH AS EXISTING TREES, CAN PROVIDE ADDITIONAL BRACING.
5. CURVE TUBE ENDS UPHILL TO LIMIT DIVERSION OF UNFILTERED RUN-OFF.
6. PROVIDE 3" MINIMUM OVERLAP AT ENDS OF TUBES TO JOIN IN A CONTINUOUS BARRIER AND MINIMIZE UNIMPEDED FLOW.
7. TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE. IT IS NOT NECESSARY TO TRENCH TUBES INTO EXISTING GRADE.
8. STAKE JOINING TUBES SNUGLY AGAINST EACH OTHER TO LIMIT UNFILTERED FLOW BETWEEN THEM.
9. SECURE ENDS OF TUBES WITH STAKES SPACED 18" APART THROUGH TOPS OF TUBES.
10. WHEN STAKING IS NOT POSSIBLE, SUCH AS WHEN TUBES MUST BE PLACED ON PAVEMENT, HEAVY CONCRETE OR CINDER BLOCKS CAN BE USED BEHIND TUBES UP TO 5' APART OR AS REQUIRED TO SECURE TUBES IN PLACE.

COMPOST FILTER TUBE
NO SCALE



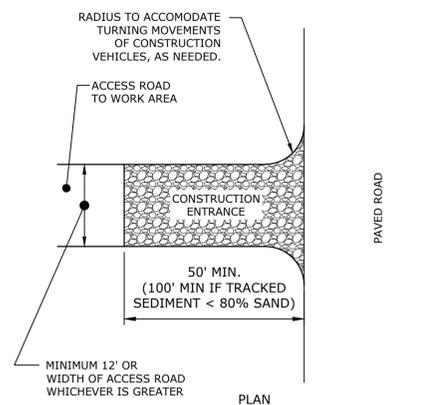
PLAN

- NOTE:
1. A MINIMUM OF TWO WOOD STAKES ARE REQUIRED PER HAY BALE.
 2. STEEL DOWELS MAY BE USED WHERE WOOD STAKES CANNOT BE DRIVEN INTO THE GROUND.
 3. "SILT SACKS", "DANDY BAG II" OR OTHER SIMILAR SILT RETENTION DEVICE SHALL BE INSTALLED IN LIEU OF HAY BALES FOR CATCH BASINS LOCATED IN EXISTING PAVED AREAS.

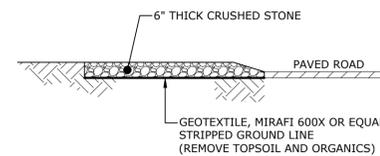


ELEVATION

**CATCH BASIN INLET
SEDIMENT CONTROL**
NO SCALE



PLAN



ELEVATION

CONSTRUCTION ENTRANCE
NO SCALE



Green Parking Lot Project

Frontier Regional High School

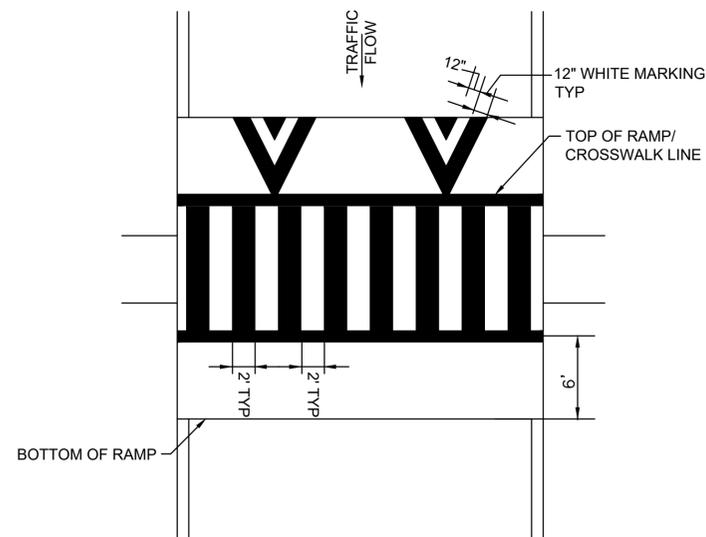
Deerfield, MA

MARK	DATE	DESCRIPTION
PROJECT NO:	D5017-006	
DATE:	04/27/2020	
FILE:	D5017-06-01-C-301-DETL.dwg	
DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

DETAILS - 1

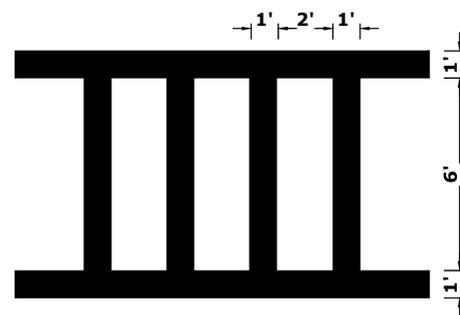
SCALE: NO SCALE

C-501



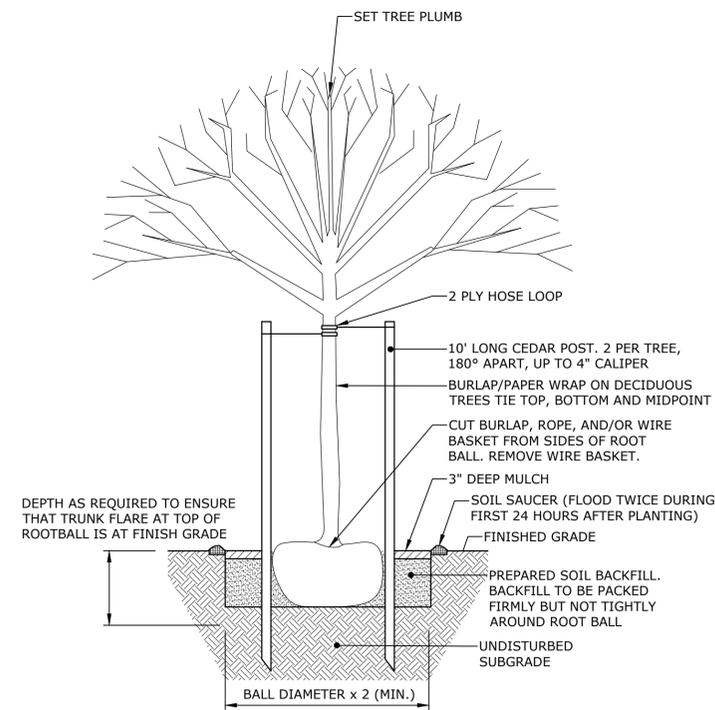
RAISED CROSSWALK PAVEMENT MARKINGS
NO SCALE

NOTE:
1. SEE FIGURE 38-29 IN THE MUTCD FOR MORE DETAIL.

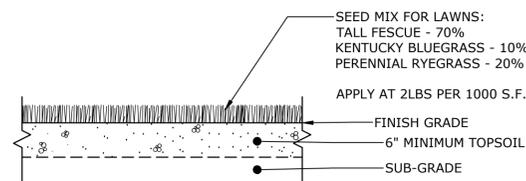


CROSSWALK STRIPING
NO SCALE

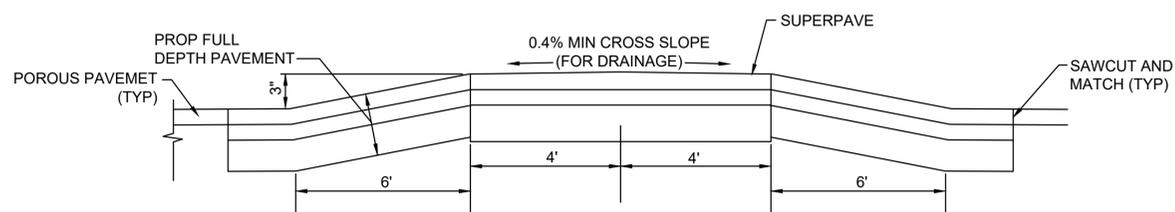
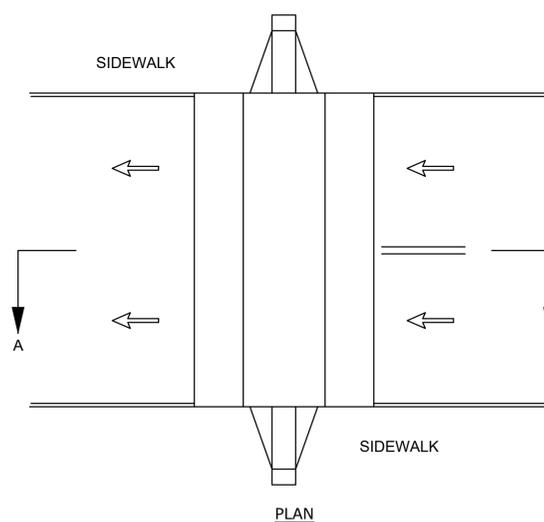
NOTE:
1. CONTRACTOR TO USE DEERFIELD DPW STANDARD CROSS WALK STENCIL.



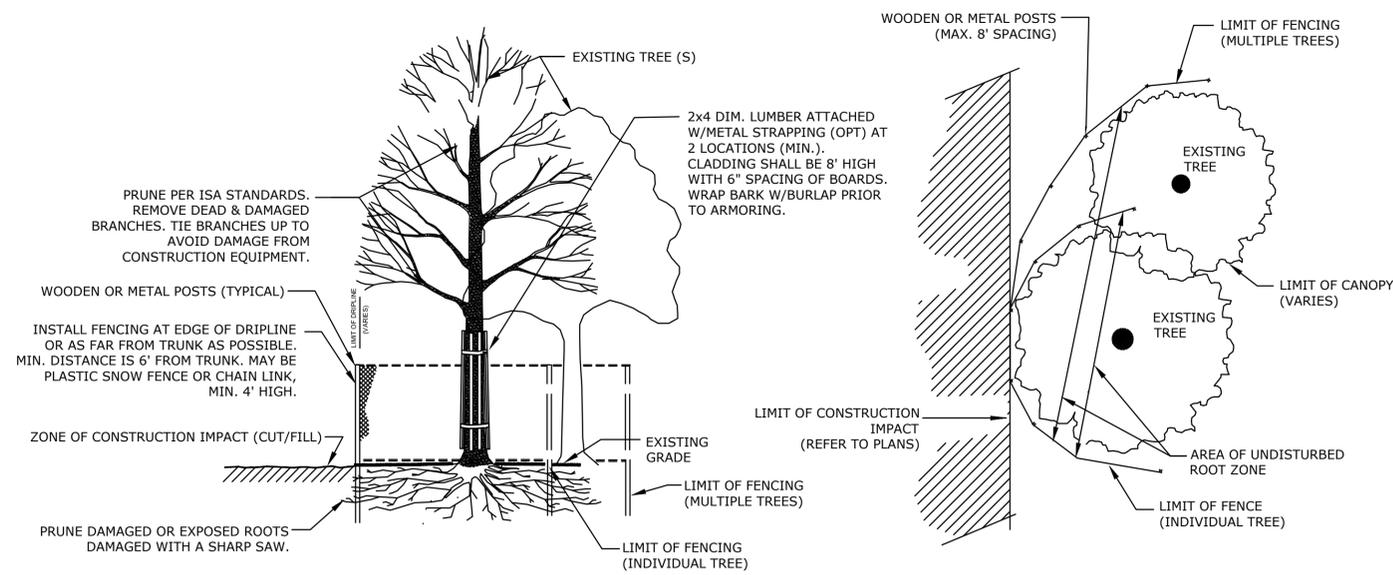
TREE PLANTING DETAIL
NO SCALE



LAWN AREAS
NO SCALE



RAISED CROSSWALK DETAIL
NO SCALE



NOTES:
1. NO STORAGE OF EQUIPMENT OR STOCKPILING OF MATERIALS WITHIN DRIPLINE
2. LAYOUT SHOULD BE MODIFIED SO THAT PROTECTIVE MEASURES ARE ONLY INSTALLED LANDWARD OF THE BANK/BVV BOUNDARY. TREE PROTECTION MEASURES SHOULD NOT BE INSTALLED IN RESOURCE AREAS

TREE PROTECTION - EXISTING TREE
NO SCALE

Green Parking Lot Project

Frontier Regional High School

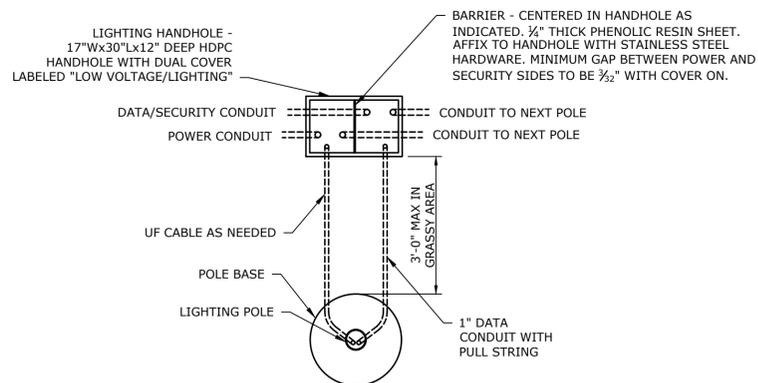
Deerfield, MA

MARK	DATE	DESCRIPTION
PROJECT NO:	D5017-006	
DATE:	04/27/2020	
FILE:	D5017-06-01-C-301-DETL.dwg	
DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

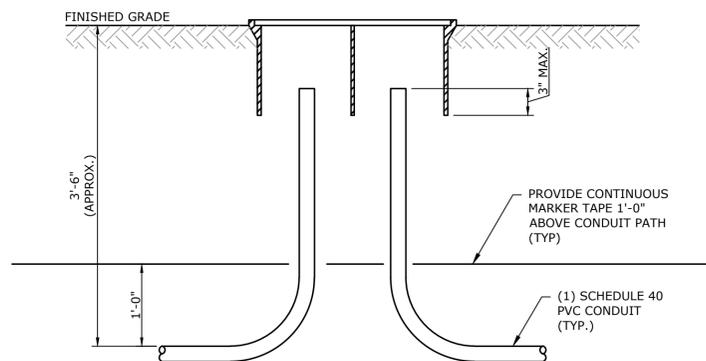
DETAILS - 4

SCALE: AS SHOWN

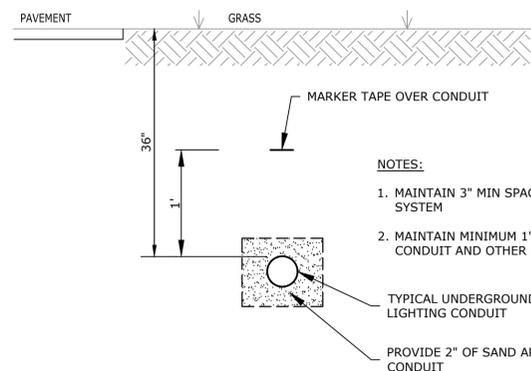
C-504



- NOTE:**
- COORDINATE WITH SITE ELECTRICAL PLANS. CONDUIT TYPES SHOWN ARE TYPICAL. PROVIDE CONDUIT ENTRIES AND QUANTITIES AS SHOWN ON SITE PLANS.
 - CONTRACTOR SHALL SIZE HAND HOLE PER NEC REQUIREMENTS.
 - SPLICE CONDUITS (INCLUDING GROUNDING CONDUCTORS) IN HANDHOLE WITH SILICONE FILLED CONNECTORS RATED FOR UNDERGROUND. USE IDEAL #30-066 FOR (2)#8 AND (1)#12 SPLICE OR EQUAL. USE ILSOO PDSS OR EQUAL UNDERGROUND RATED LUGS FOR LARGER SPLICES.
 - LEAVE SLACK FOR POWER CONDUCTORS TO BE CONTINUOUS TO THE TOP OF POLE WITHOUT SPLICING.



TYPICAL LIGHTING HANHOLE (IN GRASSY AREA) DETAIL
NO SCALE



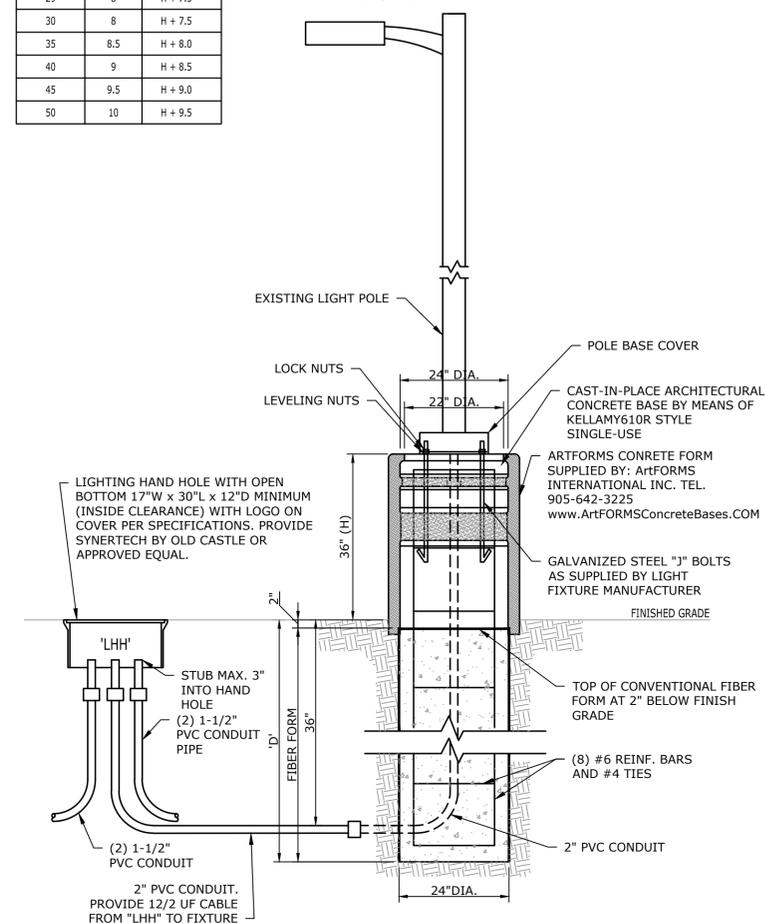
- NOTES:**
- MAINTAIN 3" MIN SPACING BETWEEN CONDUITS OF THE SAME SYSTEM
 - MAINTAIN MINIMUM 1' SEPARATION BETWEEN ALL ELECTRICAL CONDUIT AND OTHER UNDERGROUND SYSTEMS.

CONDUIT DETAIL
NO SCALE

POLE LENGTH (ft.)	BASE BURIAL DEPTH 'D' (ft.)	REINFORCING BAR LENGTH (ft.)
10	5	H + 4.5
19	7	H + 6.5
23	7	H + 6.5
25	7	H + 6.5
29	8	H + 7.5
30	8	H + 7.5
35	8.5	H + 8.0
40	9	H + 8.5
45	9.5	H + 9.0
50	10	H + 9.5

NOTES:

- ALL DIMENSIONS ARE IN NOMINAL FEET OR INCHES.
- TOP OF FOUNDATION SHALL BE TROWELLED SMOOTH AND LEVEL.
- CLASS OF CONCRETE SHALL BE 3000 P.S.I. CONCRETE SHALL BE VIBRATED.
- CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
- SUBJECT TO SOIL CONDITIONS, REFER TO GEOTECH REPORT.
- LOCATE EDGE OF POLE BASE 3'-0" TO EDGE OF PAVEMENT/WALKWAY.



SITE LIGHTING POLE BASE AND HANDHOLE DETAIL
NO SCALE



Green Parking Lot Project

Frontier Regional High School

Deerfield, MA

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DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

DETAILS - 6

SCALE: AS SHOWN

C-506