

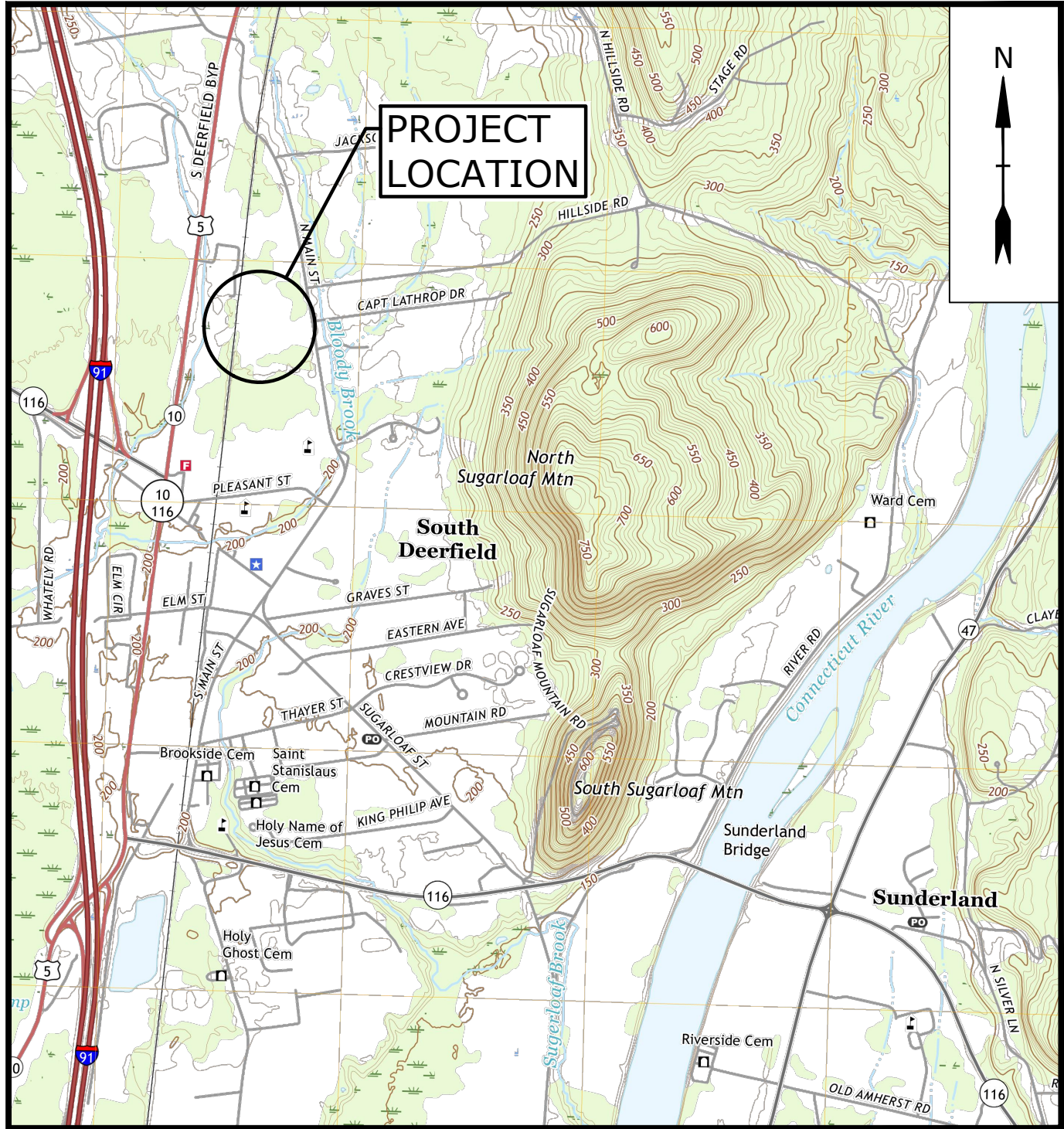
TOWN OF DEERFIELD, MASSACHUSETTS

FRONTIER REGIONAL HIGH SCHOOL

GREEN PARKING LOT PROJECT

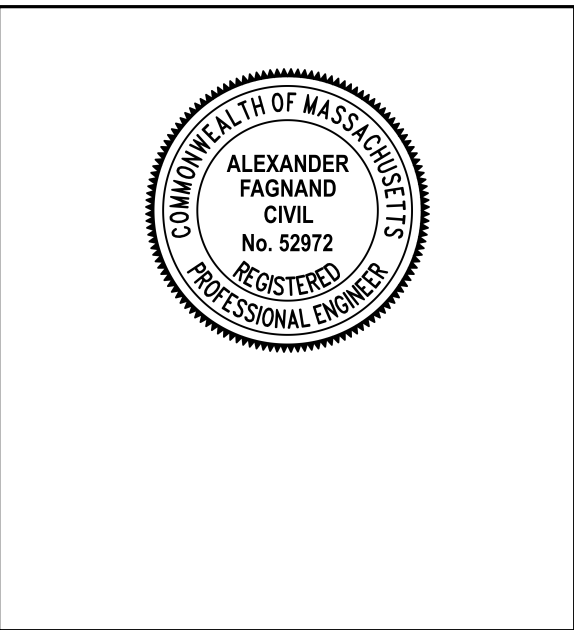
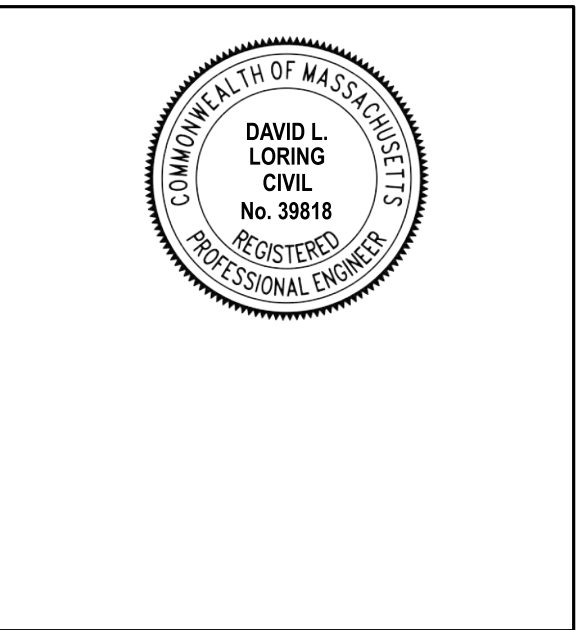
JUNE 30, 2020

DRAWING NO.	DRAWING TITLE
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G-002	STANDARD LEGEND AND ABBREVIATIONS
G-003	GENERAL NOTES
G-004	INDEX AND PAVING LOCUS PLAN
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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

Last Saved: 6/25/2020 11:06:44 AM By: SJD:hmk
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LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	----	----
RIGHT-OF-WAY LINE	----	----
EASEMENT LINE	----	----
LIMITS OF WORK	----	----
INTERMEDIATE CONTOURS	----	----
INDEX CONTOURS	--- 25 ---	--- 25 ---
SPOT GRADE	X 141.2	+ 32.0
MAGNITUDE & DIRECTION OF SLOPE		0.0%
STORM DRAIN	SD SD	SD
STORM UNDERDRAIN		UD
GRAVITY SANITARY SEWER	SS SS	SS SS
WATER SERVICE	W W	W W
POTABLE WATER	PW	PW
FIRE SERVICE		F F
HIGH PRESSURE FIRE SERVICE		F-HP F-HP
UNDERGROUND ELECTRIC	E E	E E
OVERHEAD ELECTRIC	OE OE	OE OE
TELEPHONE SERVICE	T T	T T
COMMUNICATIONS SERVICE	COM COM	COM COM
CABLE TV SERVICE	CTV CTV	CTV CTV
GAS SERVICE	G G	G G
CURB	=====	=====
EDGE OF PAVEMENT	----	----
DIRT ROAD	----	----
SIDEWALK	----	----
RETAINING WALL	X X X X X	X X X X X X X X X
FENCE - CHAIN LINK		X X X X X X X X X
STORM DRAIN STRUCTURES	MANHOLE ① CATCH BASIN CB	MANHOLE ② AREA DRAIN CATCH BASIN
SANITARY SEWER MANHOLE	⑤	⑥
WATER SERVICE STRUCTURES	HYDRANT ⑧ MANHOLE ⑨ VALVE ⑩	HYDRANT ⑪ MANHOLE ⑫ VALVE ⑬
GAS SERVICE STRUCTURES	MANHOLE ⑭ VALVE ⑮	MANHOLE ⑯ VALVE ⑰
ELECTRIC SERVICE STRUCTURES	UTILITY CO. POLE # ⑱ MANHOLE ⑲ LIGHT ⑳	UTILITY CO. POLE # ㉑ MANHOLE ㉒ LIGHT ㉓
TELECOMMUNICATIONS MANHOLE	㉔	㉕
TREELINE	~~~~~	~~~~~
TREE	EVERGREEN DECIDUOUS	EVERGREEN DECIDUOUS

LEGEND

RESOURCE AREAS	
VEGETATED WETLAND LIMIT	▲▲▲▲▲
100-FOOT BUFFER ZONE	-----
200-FOOT RIVERFRONT AREA	-----
WETLANDS WATER COURSE	----
WETLAND FLAG	WF - ▲

LEGEND

DEMOLITION / GEOTECHNICAL	
EROSION & SEDIMENT CONTROL	=====
ITEM TO BE DEMOLISHED	XXXXXX
TEST PIT	+
MONITORING WELL	⊕
SOIL SAMPLE	●
BORING	⊕

ABBREVIATIONS

ABDN('D)	ABANDON(ED)
AC	ASBESTOS CEMENT PIPE
ADJ	ADJUST
ASTM	AMERICAN SOCIETY FOR TESTING MATERIAL
BC	BITUMINOUS CURB
BFP	BACK FLOW PREVENTOR
BIT	BITUMINOUS
BL	BASELINE
BLDG	BUILDING
BND	BOUND
BOC	BOTTOM OF CURB
BOT	BOTTOM
BS	BOTTOM OF STEP
BW	BOTTOM OF WALL
CATV	CABLE TELEVISION
CB	CATCH BASIN
CEM	CEMENT
CI	CAST IRON PIPE
CL	CENTERLINE
CLF	CHAIN LINK FENCE
CO	CLEAN OUT
CONC	CONCRETE
CPP	CORRUGATED
CY	POLYETHYLENE PIPE
DH	CUBIC YARD
DI	DRILL HOLE
DIA	DUCTILE IRON PIPE
DMH	DRAIN MANHOLE
E	EAST
EF	EACH FACE
EG	EXISTING GRADE
EL/ELEV	ELEVATION
ELEC	ELECTRIC
EMH	ELECTRIC MANHOLE
EOP	EDGE OF PAVEMENT
EW	EACH WAY
EXIST	EXISTING
FES	FLARED END SECTION
FF	FINISH FLOOR
FM	FORCE MAIN
G	GAS
GG	GAS GATE
GRAN	GRANITE
HC	HANDICAP
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HYD	HYDRANT
IN	INCHES
INV	INVERT
IP	IRON PIN
L	LENGTH OF CURB
LP	LIGHT POLE
LT	LEFT
MASSDOT	MASSACHUSETTS DEPT OF TRANSPORTATION
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MJ	MECHANICAL JOINT

ABBREVIATIONS CONT'D

N	NORTH
NITC	NOT IN THIS CONTRACT
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
N/F	NOW OR FORMERLY
OC	ON CENTER
OCS	OUTLET CONTROL STRUCTURE
OH	OVERHEAD
PB	PLANT BED
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCPP	PERFORATED CORRUGATED POLYETHYLENE PIPE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYLCHLORIDE
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REV	REVISION
ROW	RIGHT OF WAY
RT	RIGHT
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
S	SOUTH
SAN	SANITARY
SCH	SCHEDULE
SF	SQUARE FOOT
SMH	SEWER MANHOLE
SS	STAINLESS STEEL
STA	STATION
STL	STEEL
STRM	STORM
T	TANGENT LENGTH
TC	TOP OF CURB
TEL	TEL-DATA
TP	TEST PIT
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
UP	UTILITY POLE
W	WATER
WG	WATER GATE
WV	WATER VALVE
XFMR	TRANSFORMER

Tighe&Bond



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-002-GENR.dwg	
DRAWN BY:	MDS	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

STANDARD LEGEND AND ABBREVIATIONS

SCALE: NO SCALE

G-002

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Tighe & Bond 2100 D5017 Town of Deerfield 006 - Green Parking Lots Drawings Figures\Frontier\AutoCAD\Sheet\Construction Drawings\D5017-06-01-C-002-GENR.dwg

BASE PLAN NOTES

- THE EXISTING CONDITIONS INFORMATION SHOWN ON THE DRAWINGS IS BASED ON THE FOLLOWING:
 - SURVEY DRAWINGS PROVIDED BY NORTHEAST SURVEY CONSULTANTS, INC. AND DATED APRIL 29, 2020.
 - EXISTING PROPERTY LINES ARE BASED ON AN ASSESSORS PLAN, AND ARE APPROXIMATE AND FOR ORIENTATION PURPOSES ONLY.
 - TEST PITS WERE CONDUCTED ON MAY 21, 2020.
 - THE RESOURCE AREA BOUNDARIES DEPICTED ON THE DRAWINGS WERE DELINEATED BY TIGHE & BOND, INC. ON APRIL 22, 2020.
- THE DRAWINGS ARE BASED ON THE FOLLOWING DATUMS: HORIZONTAL - NAD83 ; VERTICAL-NAVD88.

GENERAL NOTES

- NOTIFY "DIGSAFE" AT 1-888-344-7233 AND OTHER UTILITY OWNERS IN THE AREA NOT ON THE "DIGSAFE" LIST AT LEAST 72 HOURS PRIOR TO ANY DIGGING, TRENCHING, ROCK REMOVAL, DEMOLITION, BORING, BACKFILLING, GRADING, LANDSCAPING, OR ANY OTHER EARTH MOVING OPERATIONS.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IN ADDITION, SOME UTILITIES MAY NOT BE SHOWN. DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT OR OTHER METHODS, AS NECESSARY TO PREVENT DAMAGE TO UTILITIES AND/OR INTERRUPTIONS IN UTILITY SERVICE. PERFORM TEST PIT EXCAVATIONS AND OTHER INVESTIGATIONS TO LOCATE UTILITIES, AND PROVIDE THIS INFORMATION TO THE ENGINEER, PRIOR TO CONSTRUCTING THE PROPOSED IMPROVEMENTS. LOCATE ALL EXISTING UTILITIES TO BE CROSSED BY HAND EXCAVATION.
- NOT ALL OF THE UTILITY SERVICES TO BUILDINGS ARE SHOWN. THE CONTRACTOR SHALL ANTICIPATE THAT EACH PROPERTY HAS SERVICE CONNECTIONS FOR THE VARIOUS UTILITIES.
- BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
- TIGHE & BOND ASSUMES NO RESPONSIBILITY FOR ANY ISSUES, LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION FROM TIGHE & BOND.
- EXCAVATE ADDITIONAL TEST PITS TO LOCATE EXISTING UTILITIES AS DIRECTED OR APPROVED BY THE ENGINEER.
- NOTIFY THE ENGINEER OF ANY UTILITIES IDENTIFIED DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE DRAWINGS OR THAT DIFFER IN SIZE OR MATERIAL.
- THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY; COORDINATION WITH THE OWNER, ALL SUBCONTRACTORS, AND WITH OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF WORK, THE MEANS AND METHODS OF CONSTRUCTING THE PROPOSED WORK.
- OBTAIN, PAY FOR AND COMPLY WITH PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK. ARRANGE AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE JURISDICTIONAL AUTHORITIES.
- SHORE UTILITY TRENCHES WHERE FIELD CONDITIONS DICTATE AND/OR WHERE REQUIRED BY LOCAL, STATE AND FEDERAL HEALTH AND SAFETY CODES.
- FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS ARE OBSERVED THAT VARY SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS, IMMEDIATELY NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION OF THE CONFLICTING INFORMATION.
- PROTECT AND MAINTAIN ALL UTILITIES IN THE AREAS UNDER CONSTRUCTION DURING THE WORK. LEAVE ALL PIPES AND STRUCTURES WITHIN THE LIMITS OF THE CONTRACT IN A CLEAN AND OPERABLE CONDITION AT THE COMPLETION OF THE WORK. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SAND AND SILT FROM DISTURBED AREAS FROM ENTERING THE DRAINAGE SYSTEM.
- NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICT, ERROR, AMBIGUITY, OR DISCREPANCY WITH THE PLANS OR BETWEEN THE PLANS AND ANY APPLICABLE LAW, REGULATION, CODE, STANDARD SPECIFICATION, OR MANUFACTURER'S INSTRUCTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR SUPPORT OF EXISTING UTILITIES AND REPAIR OR REPLACEMENT COSTS OF UTILITIES DAMAGED DURING CONSTRUCTION, WHETHER ABOVE OR BELOW GRADE. REPLACE DAMAGED UTILITIES IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER AND AT NO COST TO THE PROPERTY OWNER.
- TAKE NECESSARY MEASURES AND PROVIDE CONTINUOUS BARRIERS OF SUFFICIENT TYPE, SIZE, AND STRENGTH TO PREVENT ACCESS TO ALL WORK AND STAGING AREAS AT THE COMPLETION OF EACH DAYS WORK.
- NO OPEN TRENCHES WILL BE ALLOWED OVER NIGHT. THE USE OF ROAD PLATES TO PROTECT THE EXCAVATION WILL BE CONSIDERED UPON REQUEST, BUT BACKFILLING IS PREFERRED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY TRAFFIC CONTROL/SAFETY DEVICES TO ENSURE SAFE VEHICULAR AND PEDESTRIAN ACCESS THROUGH THE WORK AREA, OR FOR SAFELY IMPLEMENTING DETOURS AROUND THE WORK AREA. PERFORM TRAFFIC CONTROL IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN.
- MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES DURING CONSTRUCTION.
- WHEN WORKING IN THE ROAD, PROVIDE THE OWNER AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES A DETAILED PLAN OF APPROACH INDICATING METHODS OF PROPOSED TRAFFIC ROUTING ON A DAILY BASIS. PROVIDE COORDINATION TO ENSURE COMMUNICATION AND COORDINATION BETWEEN THE OWNER, CONTRACTOR AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES THROUGHOUT THE CONSTRUCTION PERIOD.
- REMOVE AND DISPOSE OF ALL CONSTRUCTION-RELATED WASTE MATERIALS AND DEBRIS IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.
- THE TERM "DEMOLISH" USED ON THE DRAWINGS MEANS TO REMOVE AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- THE TERM "ABANDON" USED ON THE DRAWINGS MEANS TO LEAVE IN PLACE AND TAKE APPROPRIATE MEASURES TO DECOMMISSION AS SPECIFIED OR NOTED ON THE DRAWINGS.
- ALL PROPOSED WORK MAY BE ADJUSTED IN THE FIELD BY THE OWNER'S PROJECT REPRESENTATIVE TO MEET EXISTING CONDITIONS.

EROSION CONTROL AND RESOURCE AREA PROTECTION NOTES

- PROVIDE ALL EROSION CONTROL MEASURES SHOWN, SPECIFIED, REQUIRED BY PERMIT, AND/OR REQUIRED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION OR IMMEDIATELY UPON REQUEST. MAINTAIN SUCH CONTROL MEASURES UNTIL FINAL SURFACE TREATMENTS ARE IN PLACE AND/OR UNTIL PERMANENT VEGETATION IS ESTABLISHED. INSPECT AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS TO CONFIRM THAT ALL SEDIMENTATION AND EROSION CONTROL MEASURES REQUIRED ARE IN PLACE AND EFFECTIVE.
- PRIOR TO STARTING WORK, CLEARLY STAKE WORK LIMITS. DO NOT DISTURB VEGETATION AND TOPSOIL BEYOND THE PROPOSED LIMITS. COORDINATE WITH THE ENGINEER FOR LOCATIONS OF TEMPORARY STOCKPILING OF TOPSOIL DURING CONSTRUCTION.
- INSTALL SILT SACKS OR OTHER APPROVED SEDIMENTATION BARRIERS IN/AT ALL CATCH BASINS IN THE PROJECT AREA.
- COMPACT, STABILIZE, AND LOAM AND SEED SIDE SLOPES, SHOULDER AREAS AND DISTURBED VEGETATED AREAS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AS REQUIRED BY PERMITS. GRADE SIDE SLOPES, SHOULDER AREAS AND DISTURBED VEGETATED AREAS TO A MAXIMUM SLOPE OF 3 HORIZONTAL TO 1 VERTICAL (3H:1V), WHERE POSSIBLE. PROVIDE BIODEGRADABLE EROSION CONTROL BLANKETS TO PREVENT EROSION WHERE SLOPES ARE STEEPER THAN 3H:1V.
- SETTLE OR FILTER ALL SILT-LADEN WATER FROM DEWATERING ACTIVITIES IN A SEDIMENTATION OR FILTER BAG TO REMOVE SEDIMENTS PRIOR TO RELEASE USING A SEDIMENTATION OR FILTER BAG LOCATED DOWN-GRADIENT OF THE DEWATERED AREA.
- REMOVE AND PROPERLY DISPOSE OF SILT TRAPPED AT BARRIERS IN UPLAND AREAS OUTSIDE BUFFER ZONES. REMOVE MATERIALS DEPOSITED IN ANY TEMPORARY SETTLING BASINS AT THE COMPLETION OF THE PROJECT. RESTORE ALL DISTURBED AREAS TO THEIR PRECONSTRUCTION CONDITION.
- SWEEP, COLLECT, REMOVE AND DISPOSE OF ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS AT THE END OF EACH DAY.
- LOAM AND SEED ALL DISTURBED VEGETATED AREAS TO ESTABLISH COVER AND STABILIZATION AS SOON AS POSSIBLE FOLLOWING DISTURBANCE.
- MAINTAIN AN ADDITIONAL SUPPLY OF EROSION CONTROL MEASURES ON-SITE FOR EMERGENCY REPAIRS.
- STORE FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS IN A SECONDARY CONTAINER AND REMOVE TO A SECURE LOCKED AND COVERED AREA DURING NON-WORK HOURS.
- PROVIDE A SUPPLY OF ABSORBENT SPILL RESPONSE MATERIALS SUCH AS BOOMS, BLANKETS, AND OIL ABSORBENT MATERIALS AT THE CONSTRUCTION SITE AT ALL TIMES TO CLEAN UP POTENTIAL SPILLS OF HAZARDOUS MATERIALS. IMMEDIATELY REPORT SPILLS OF HAZARDOUS MATERIALS TO THE STATE ENVIRONMENTAL AGENCY AND THE MUNICIPALITY WHERE THE WORK IS OCCURRING.

SURFACE RESTORATION NOTES

- ALL PAVEMENT DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- PROVIDE SITE GRADING AT HANDICAPPED RAMPS, SIDEWALKS, AND BUILDING ENTRANCES THAT IS CONSISTENT WITH THE RELEVANT ACCESS REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT (ABA), THE AMERICANS WITH DISABILITIES ACT (ADA), AND MA ARCHITECTURAL ACCESS BOARD REQUIREMENTS (AAB). SMALL CHANGES IN GRADE OVER RELATIVELY SHORT DISTANCES (E.G. AT PARKING SPACES, ACCESSIBLE ROUTES, AND RAMPS) MIGHT NOT BE CLEARLY DEPICTED WITHIN THE CONTOUR INTERVAL SHOWN. COMPLY WITH THE CRITERIA IN THESE STANDARDS. SELECT MAXIMUM SLOPE CRITERIA ARE REPRODUCED BELOW:
 - ACCESSIBLE PARKING STALL AND PASSENGER LOADING ZONE (ANY DIRECTION) SLOPE < 2.0%
 - LONGITUDINAL SLOPE ALONG ACCESSIBLE ROUTES < 5.0%
 - CROSS SLOPE ALONG ACCESSIBLE ROUTES < 2.0%
- PROTECT PROJECT FEATURES (E.G., WALLS, FENCES, MAIL BOXES, SIGNS, SIDEWALKS, CURBING, STAIRS, WALKWAYS, TREES, ETC.) FROM DAMAGE DURING CONSTRUCTION, INCLUDING PROVIDING TEMPORARY SUPPORTS, WHEN APPROPRIATE.
- IF REMOVAL OF PROJECT FEATURES IS REQUIRED IN ORDER TO PERFORM THE PROPOSED WORK, REMOVE THOSE SITE FEATURES ONLY UPON APPROVAL OF ENGINEER. REPLACE ALL REMOVED PROJECT FEATURES; NEW ITEMS SHALL BE EQUAL OR BETTER IN QUALITY AND CONDITION TO THE ITEMS REMOVED.
- EXISTING SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A LAND SURVEYOR LICENSED IN THE STATE IN WHICH THE WORK IS PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE THE ADJUSTMENT OF EXISTING UTILITY STRUCTURES WITH EACH RESPONSIBLE UTILITY OWNER PRIOR TO RECONSTRUCTION AND/OR PAVING OPERATIONS. RAISE ALL STRUCTURES TO FINISHED GRADES PRIOR TO THE END OF THE CONSTRUCTION SEASON AND PRIOR TO FINISHED PAVING.
- REPAIR DISTURBED PAVED SURFACES AT THE END OF EACH WORK WEEK, UNLESS OTHERWISE APPROVED/REQUIRED BY THE OWNER.
- PLACE TEMPORARY BITUMINOUS CONCRETE PAVEMENT AT DISTURBED PORTLAND CEMENT CONCRETE SIDEWALKS AND DRIVEWAYS AT THE END OF EACH WORK WEEK, UNLESS OTHERWISE APPROVED/REQUIRED BY THE OWNER.
- TRANSFER ALL TEMPORARY BENCHMARKS, AS NECESSARY.
- ACCOMMODATE PEDESTRIAN TRAFFIC WHERE A SIDEWALK IS TO BE CLOSED FOR SAFETY. "SIDEWALK CLOSED HERE" SIGNS SHALL BE USED AT THE NEAREST SAFE INTERSECTION. SEE TRAFFIC CONTROL DETAILS FOR SIGN INFORMATION.
- RESTORE ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE PAYLINE LIMITS TO ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- REGRADE ALL UNPAVED AREAS DISTURBED BY THE WORK AS REQUIRED. REPAIR/REPLACE PAVED SURFACES DISTURBED BY THE WORK IN-KIND, UNLESS OTHERWISE NOTED. RESTORE SURFACES TO EXISTING OR PROPOSED CONDITIONS AS INDICATED ON THE DRAWINGS.
- PROVIDE A SMOOTH, FLUSH TRANSITION BETWEEN ALL NEW AND EXISTING PAVEMENTS AND WALKING SURFACES.

Tighe&Bond



Green Parking Lot Project

Frontier Regional High School

Deerfield, MA

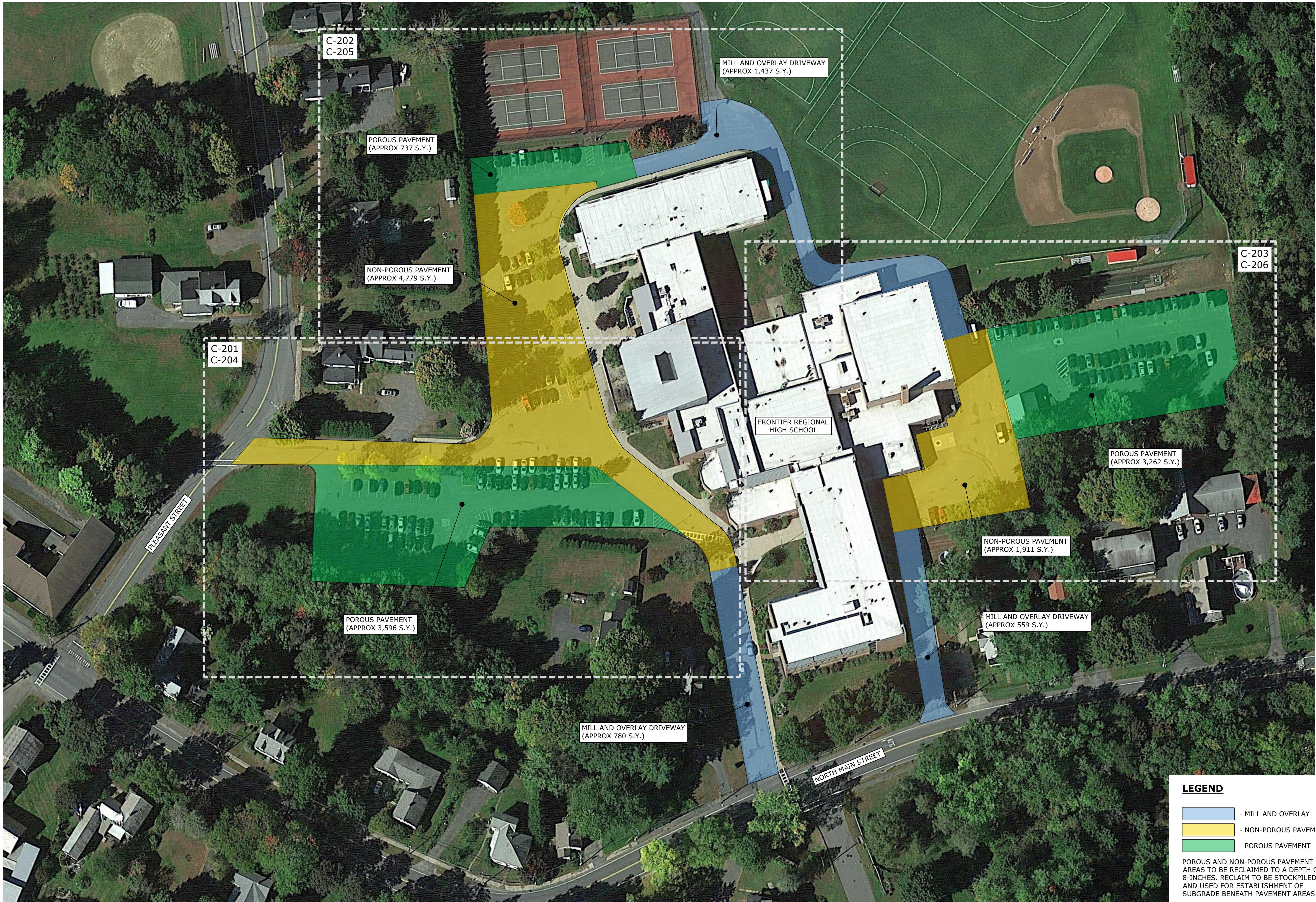
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FILE:		D5017-06-01-C-002-GENR.dwg
DRAWN BY:		MDS
CHECKED BY:		ADF
APPROVED BY:		DLL

GENERAL NOTES

SCALE: NO SCALE

G-003

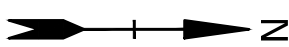
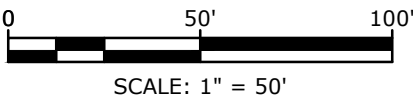
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LEGEND

- 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.



Green Parking Lot Project

Frontier Regional High School

Deerfield, MA

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DRAWN BY:	MDS	
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APPROVED BY:	DLL	

INDEX AND PAVING LOCUS PLAN

SCALE: 1" = 50'



Green Parking Lot Project

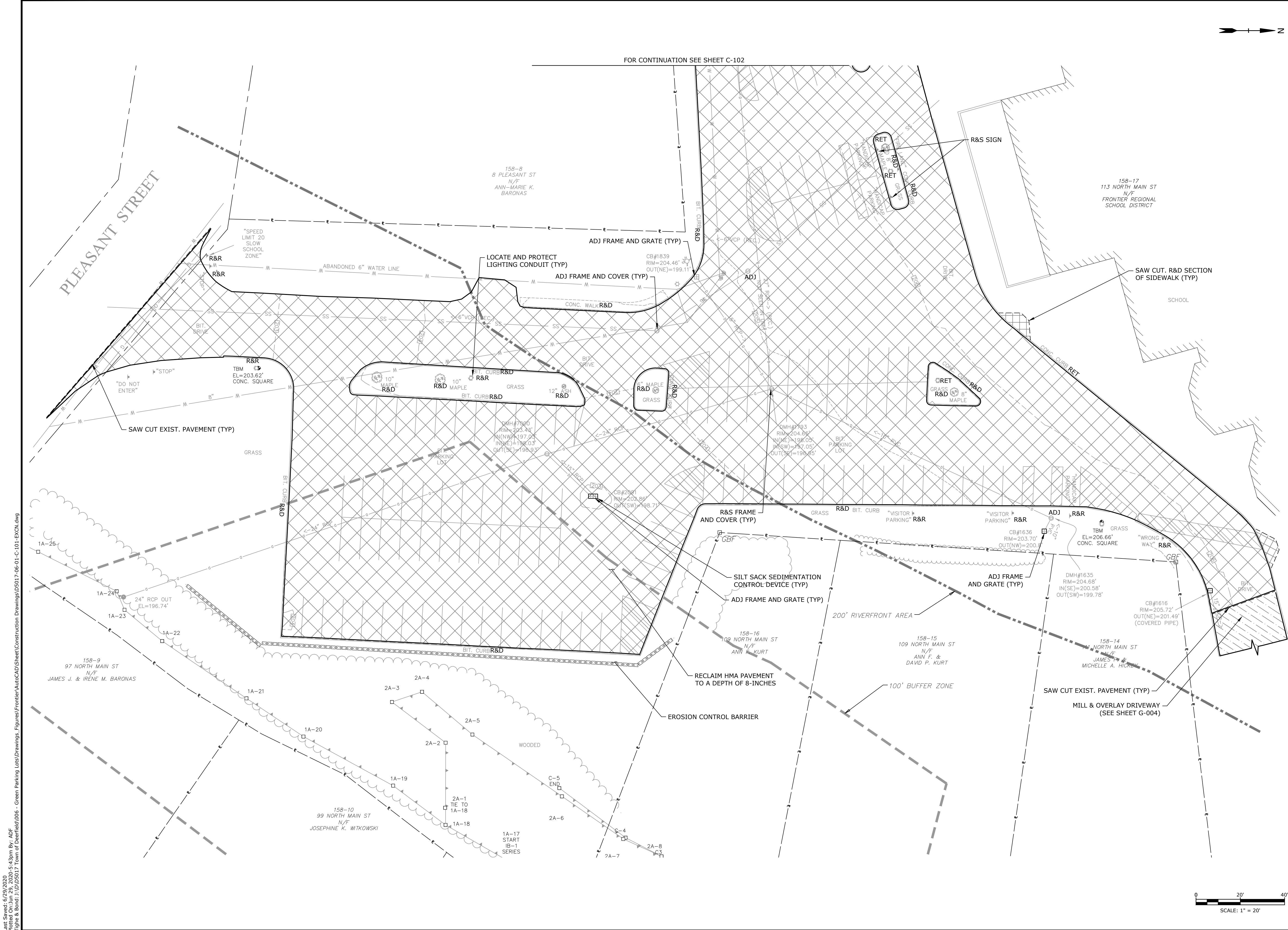
Frontier Regional High School

Deerfield, MA

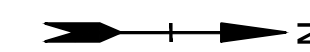
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CHECKED BY:	ADF	
APPROVED BY:	DLL	

EXISTING CONDITIONS & DEMOLITION PLAN - 1

SCALE: 1" = 20'



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**Tighe&Bond**

Green Parking Lot Project

Frontier Regional
High School

Deerfield, MA

[illegible]

EXISTING CONDITIONS &
DEMOLITION PLAN - 2

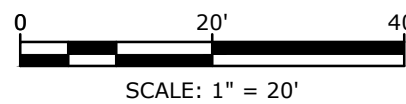
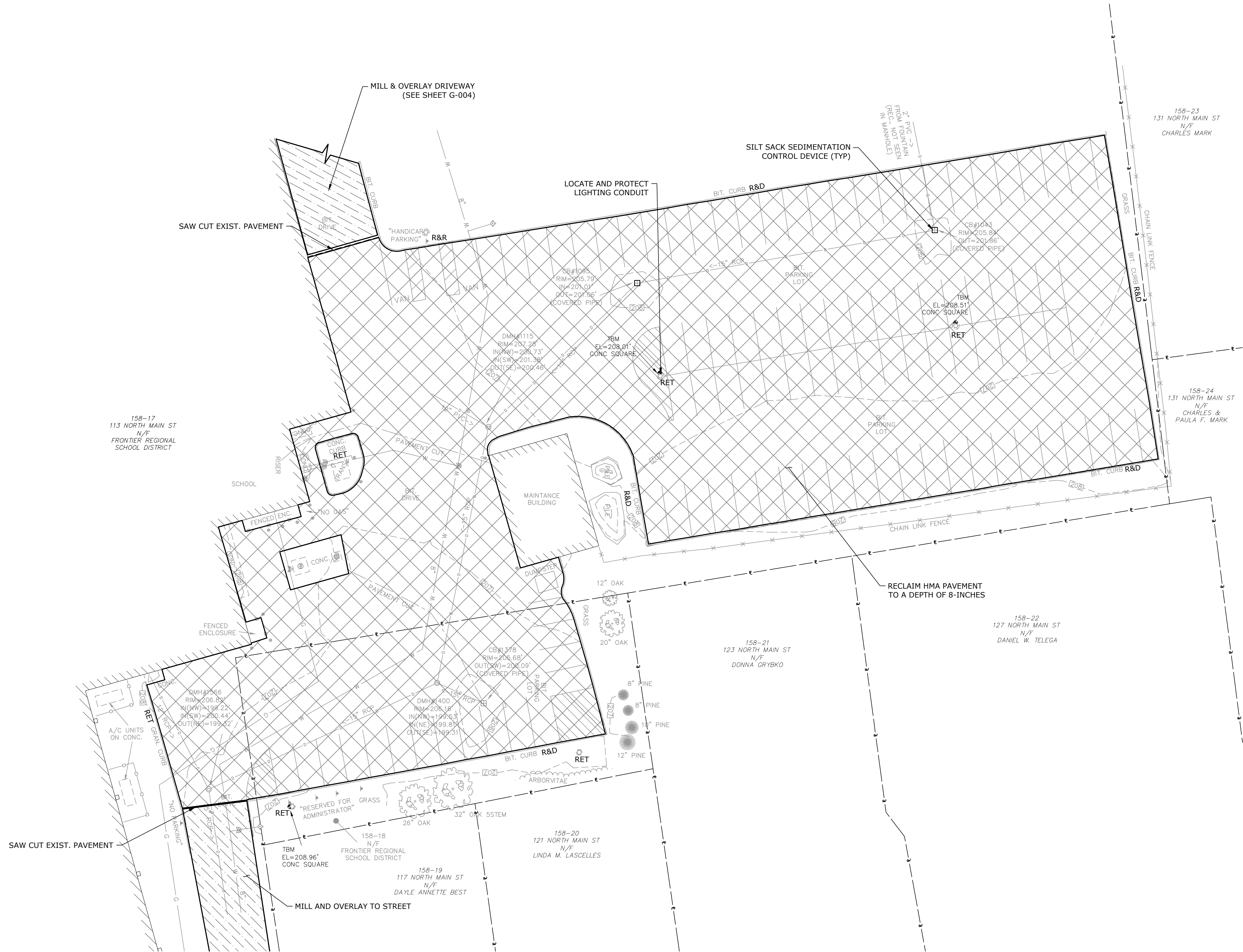
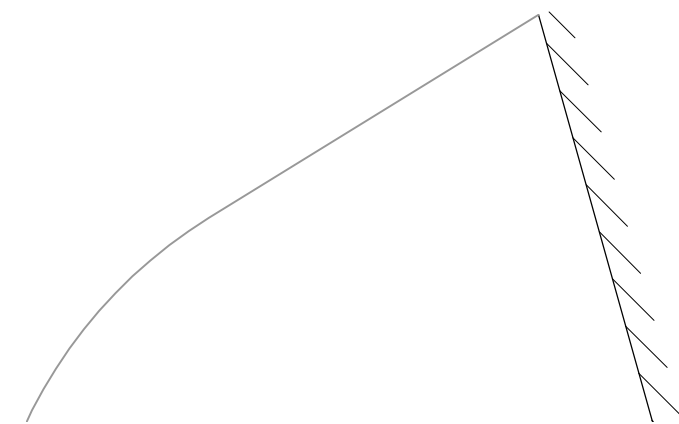
SCALE: 1" = 20'

C-102



FOR CONTINUATION SEE SHEET C-101

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Tigre & Bond 2100 D5017-06-01-C-101-EXCH.dwg



0 20 40
SCALE: 1" = 20'

Tighe&Bond



Green Parking Lot Project

Frontier Regional High School

Deerfield, MA

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PROJECT NO:	D5017-006	
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EXISTING CONDITIONS & DEMOLITION PLAN - 3

SCALE: 1" = 20'

C-103

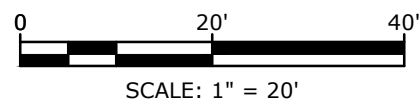


Deerfield, MA

MARK	DATE	DESCRIPTION
PROJECT NO:		D5017-006
DATE:		04/27/2020
FILE:		D5017-06-01-C-201-SITE.dwg
DRAWN BY:		DWB
CHECKED BY:		ADF
APPROVED BY:		DLL

SCALE: 1" = 20'

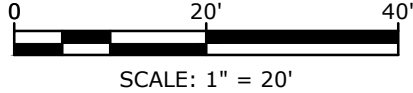
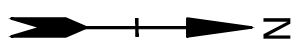
C-201



PLANT SCHEDULE				
SYM.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
	TREES			
AG	<i>ACER GRISIUM</i>	PAPERBARK MAPLE	8	3-3.5" CAL.
TC	<i>TILIA CORDATA</i>	LITTLE LEAF LINDEN	7	3-3.5" CAL.

Plot Date: 6/29/2020
 Plotted On: Jun 29, 2020 11:16am By: ADF
 Figure & Bond: I:\D\05017 Town of Deerfield\006 - Green Parking Lots\Drawings_Figures\Frontier\AutoCAD\Sheet\Construction Drawings\05017-06-01-C-201-SITE.dwg
 Last Saved: 6/29/2020

Last Saved: 6/25/2020 10:06:45am By: SP2hmk
Plotted On: Jun 25, 2020 10:06:45am
Tighe & Bond 210 D:\2017 Town of Deerfield\006 - Green Parking Lots\Drawings - Figures\Frontier\AutoCAD\Sheet\Construction Drawings\DS017-06-01-C-201-SITE.dwg



Green Parking Lot Project

Frontier Regional High School

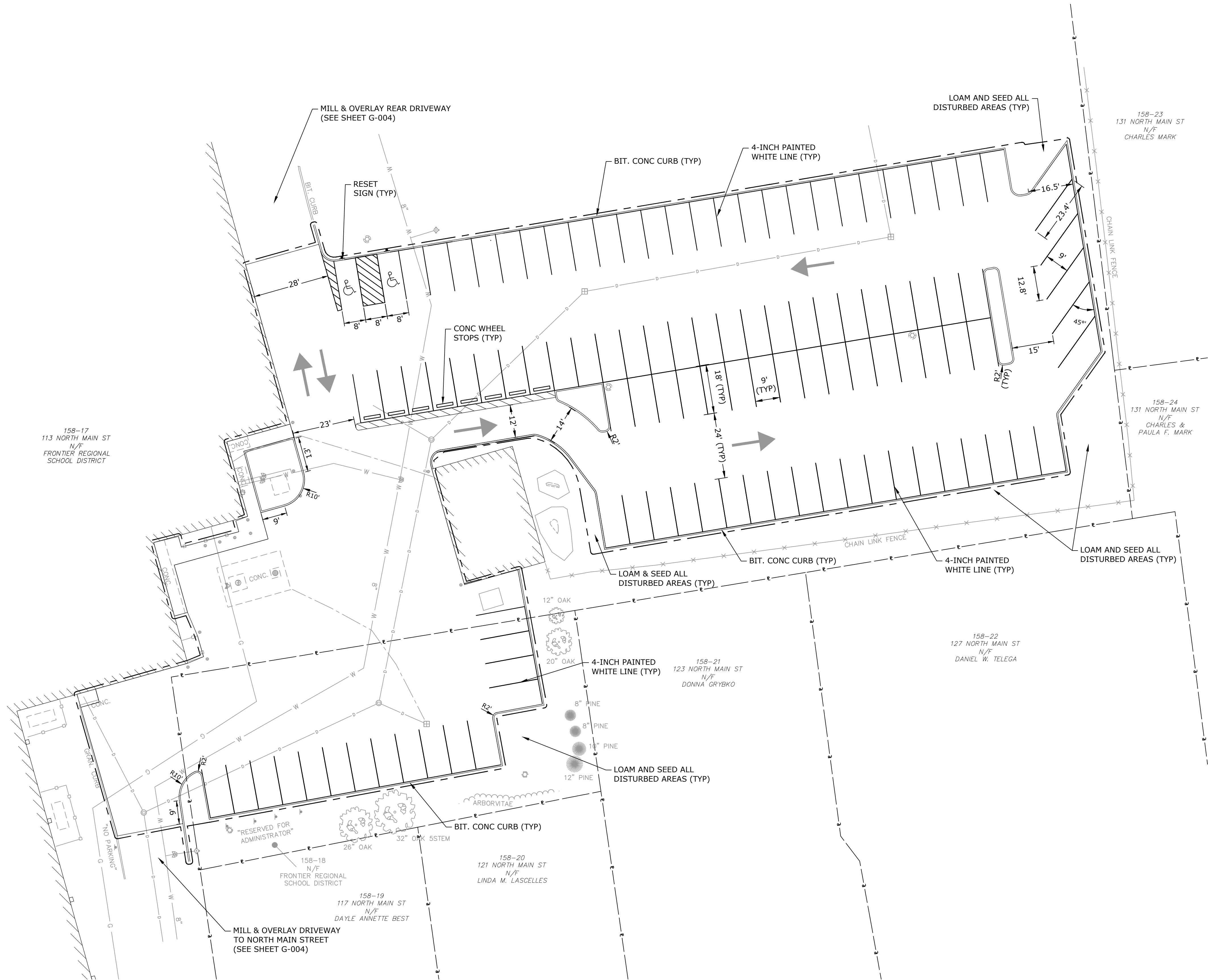
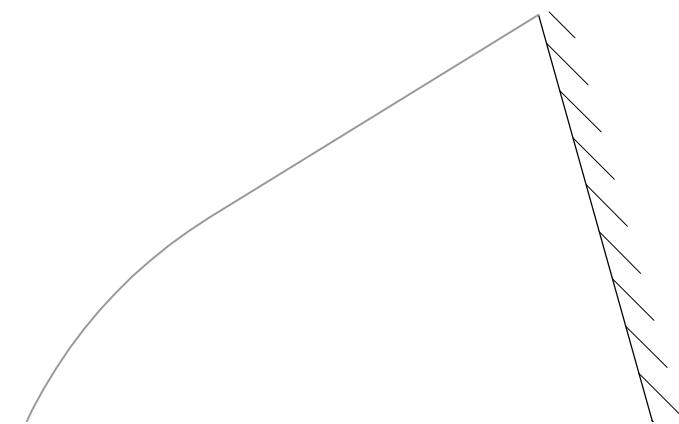
Deerfield, MA

MARK	DATE	DESCRIPTION
PROJECT NO:		DS017-006
DATE:		04/27/2020
FILE:		D5017-06-01-C-201-SITE.dwg
DRAWN BY:		DWB
CHECKED BY:		ADF
APPROVED BY:		DLL

SITE LAYOUT PLAN - 2

SCALE: 1" = 20'

Last Saved: 6/25/2020 10:06:45am By: S02hmk
Plotted On: Jun 25, 2020 10:06:45am
Tighe & Bond 210 D5017-06-01-C-201-SITE.dwg
Green Parking Lot Project



0 20' 40'
SCALE: 1" = 20'



Green Parking Lot Project

Frontier Regional High School

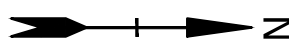
Deerfield, MA

MARK	DATE	DESCRIPTION
PROJECT NO:	D5017-006	
DATE:	04/27/2020	
FILE:	D5017-06-01-C-201-SITE.dwg	
DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

SITE LAYOUT PLAN - 3

SCALE: 1" = 20'

C-203



Green Parking Lot Project

Frontier Regional High School

Deerfield, MA

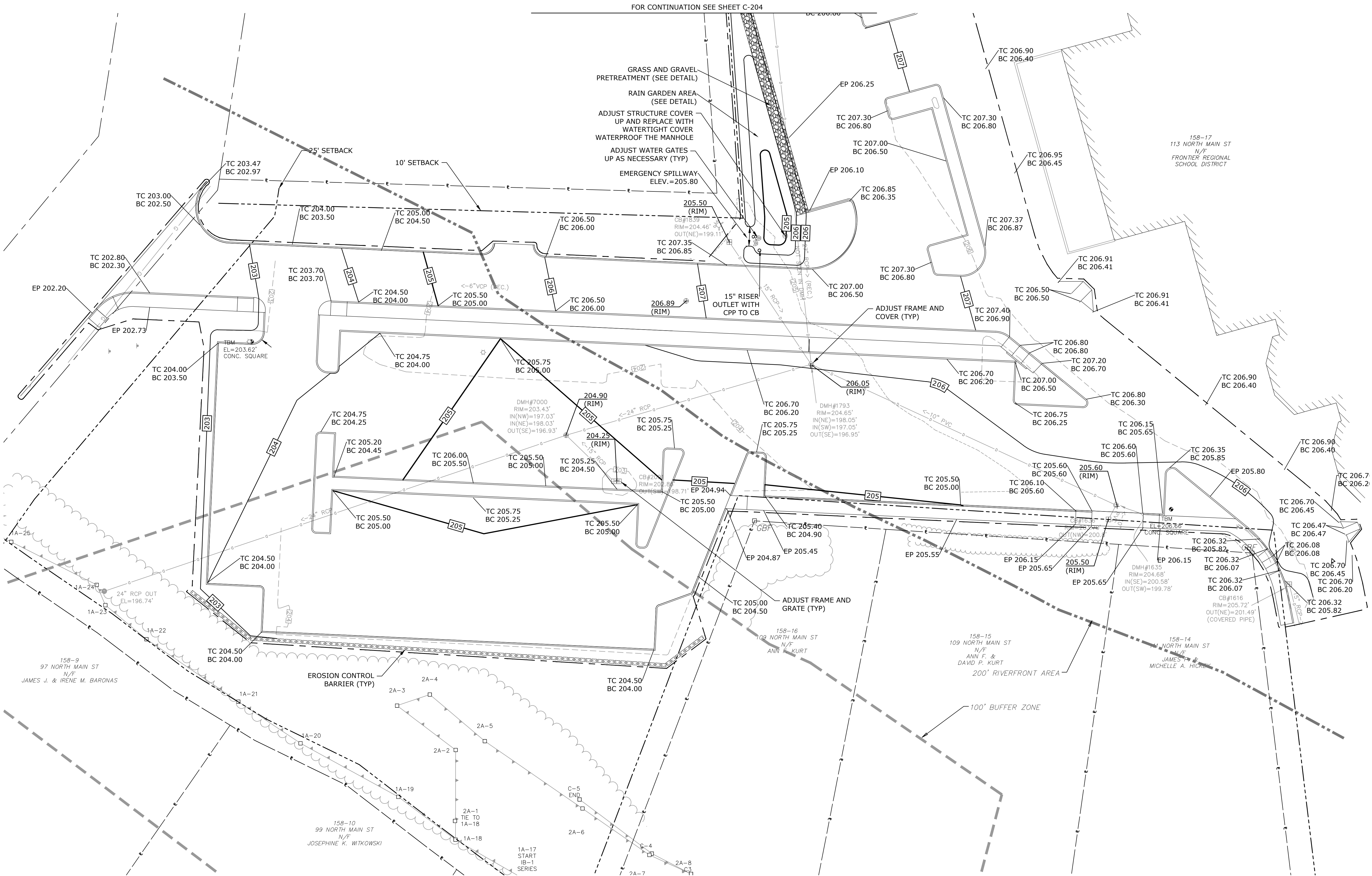
MARK	DATE	DESCRIPTION
PROJECT NO:	D5017-006	
DATE:	04/27/2020	
FILE:	D5017-06-01-C-201-SITE.dwg	
DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

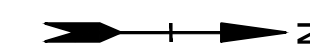
GRADING AND DRAINAGE PLAN - 1

SCALE: 1" = 20'

C-204

Last Saved: 6/29/2020 10:06:11:22pm By: ADF
Plotted On: Jun 29, 2020 10:06:11:22pm
File & Save Path: D:\Projects\17 Town of Deerfield\006 - Green Parking Lots\Drawings - Figures\Frontier\AutoCAD\Sheet\Construction Drawings\D5017-06-01-C-201-SITE.dwg



**Tighe&Bond**

Green Parking Lot Project

Frontier Regional
High School

Deerfield, MA

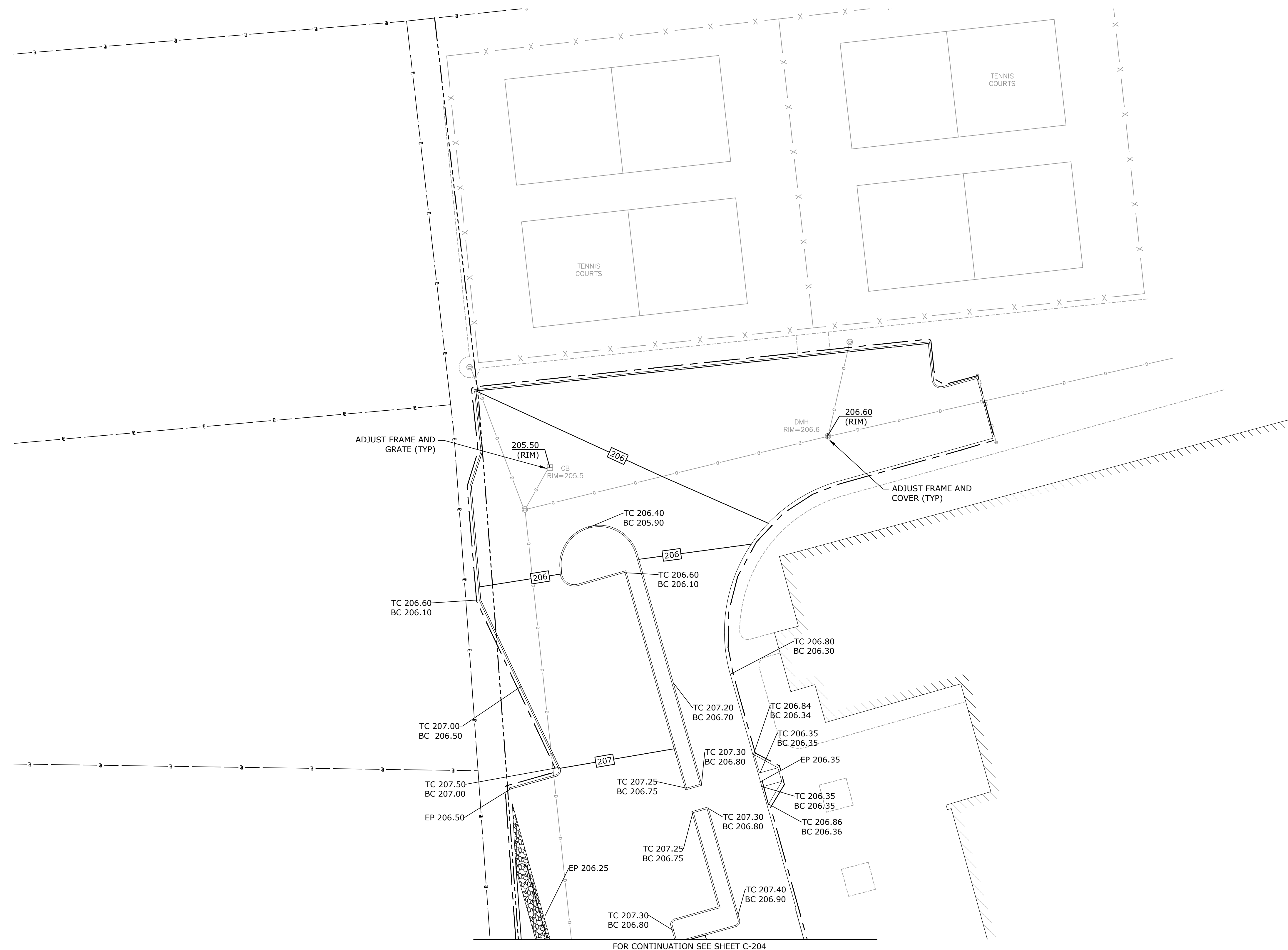
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MARK	DATE	DESCRIPTION
PROJECT NO:		D5017-006
DATE:		04/27/2020
FILE:		D5017-06-01-C-201-SITE.dwg
DRAWN BY:		DWB
CHECKED BY:		ADF
APPROVED BY:		DLL

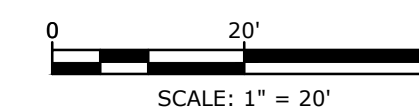
GRADING AND DRAINAGE
PLAN - 2

SCALE: 1" = 20'

C-205

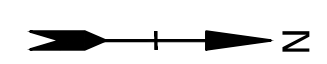
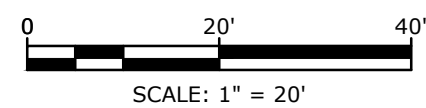
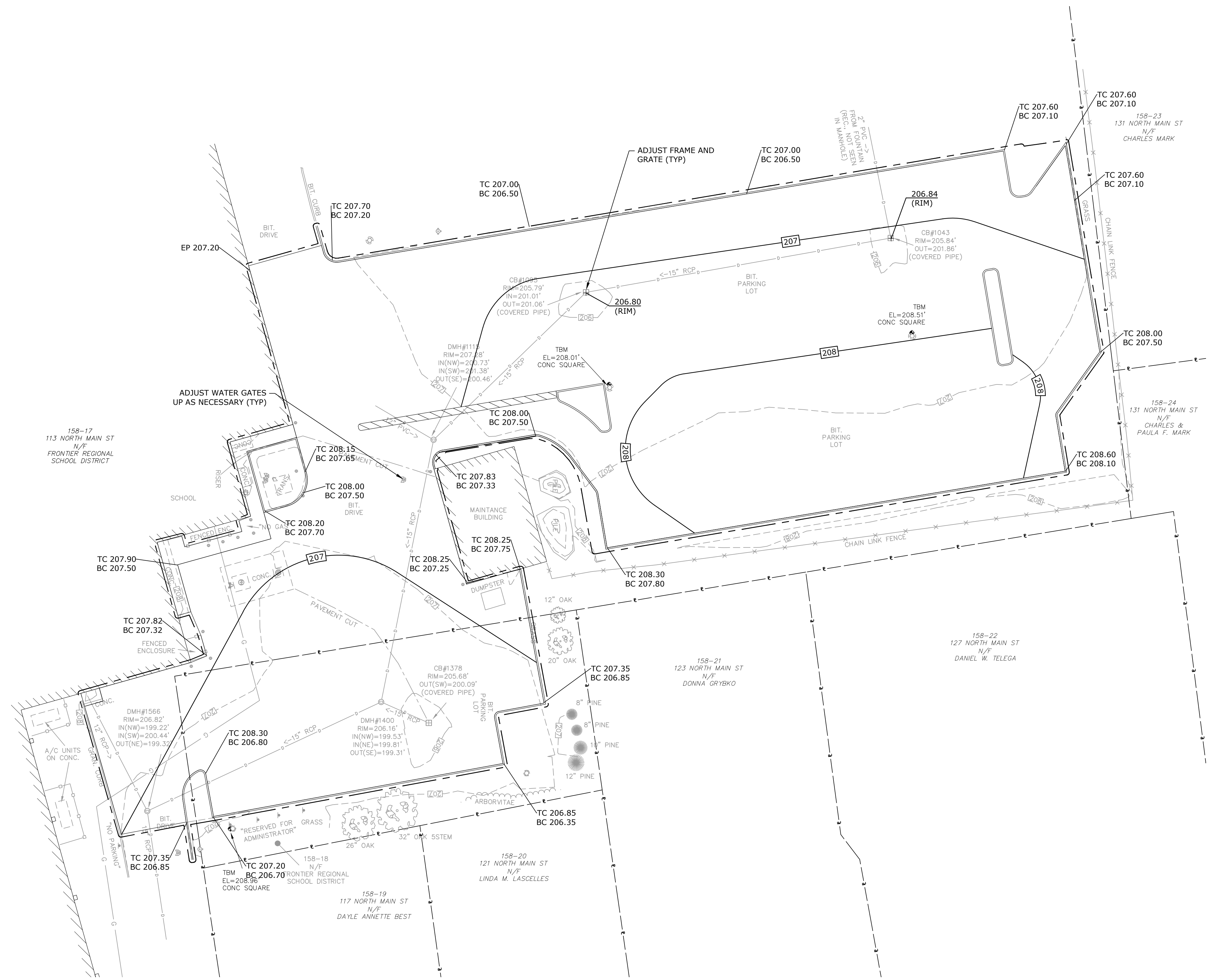
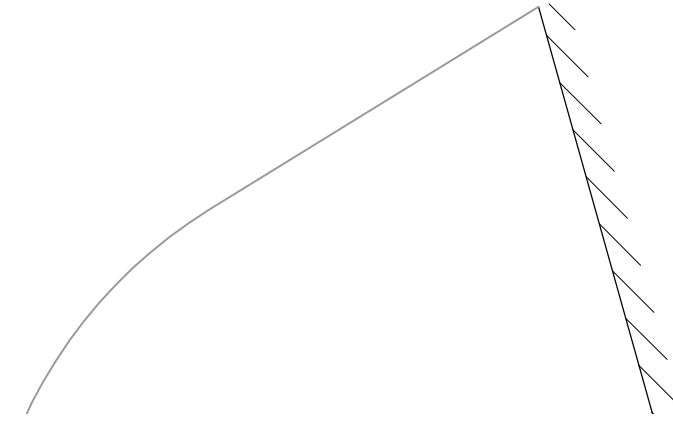


FOR CONTINUATION SEE SHEET C-204



Plot On: Jun 25, 2020 4:50pm By: Sotzrk
 Figure & Bond: J:\DSD5017 Town of Deerfield\006 - Green Parking Lots\Drawings\Figures\Frontier AutoCAD\Sheet\Construction Drawings\D5017-06-01-C-201-SITE.dwg
 Last Saved: 6/25/2020

Last Saved: 6/25/2020 10:06:45:00am By: S02hmk
Plotted On: Jun 25, 2020 10:06:45:00am
Tighe & Bond 210 D5017-06-01-C-201-SITE.dwg



Tighe & Bond



Green Parking Lot Project

Frontier Regional High School

Deerfield, MA

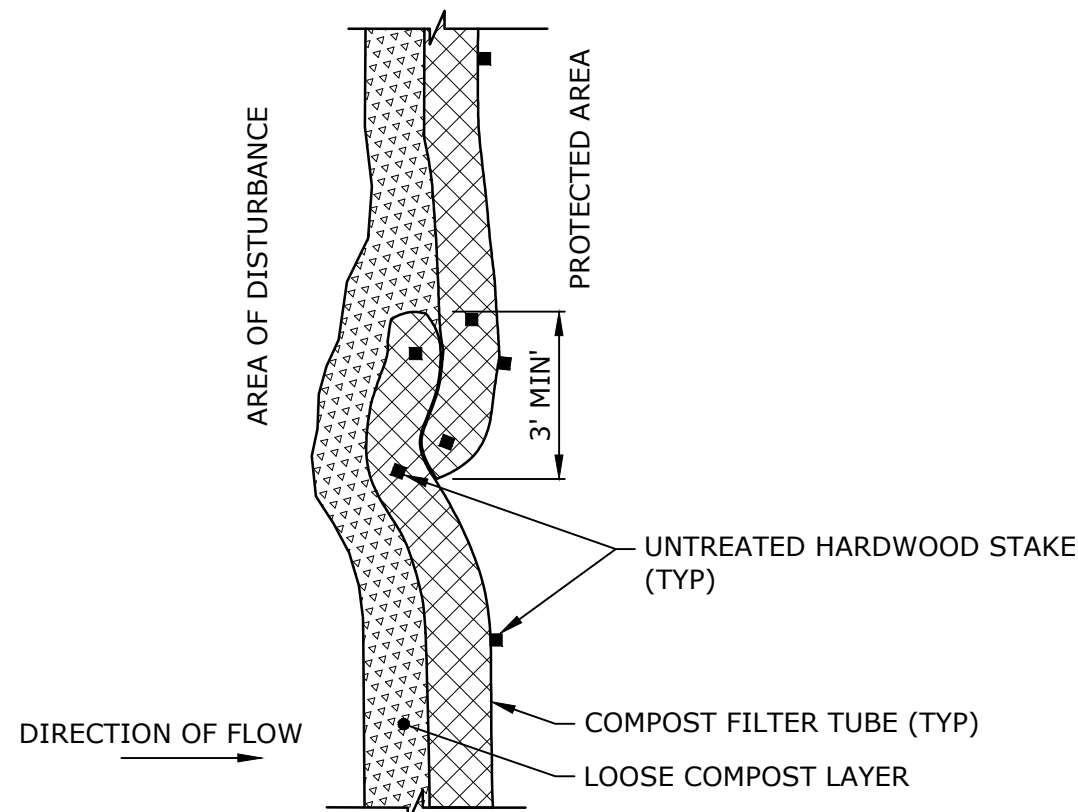
MARK	DATE	DESCRIPTION
PROJECT NO:	D5017-006	
DATE:	04/27/2020	
FILE:	D5017-06-01-C-201-SITE.dwg	
DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

GRADING AND DRAINAGE
PLAN - 3

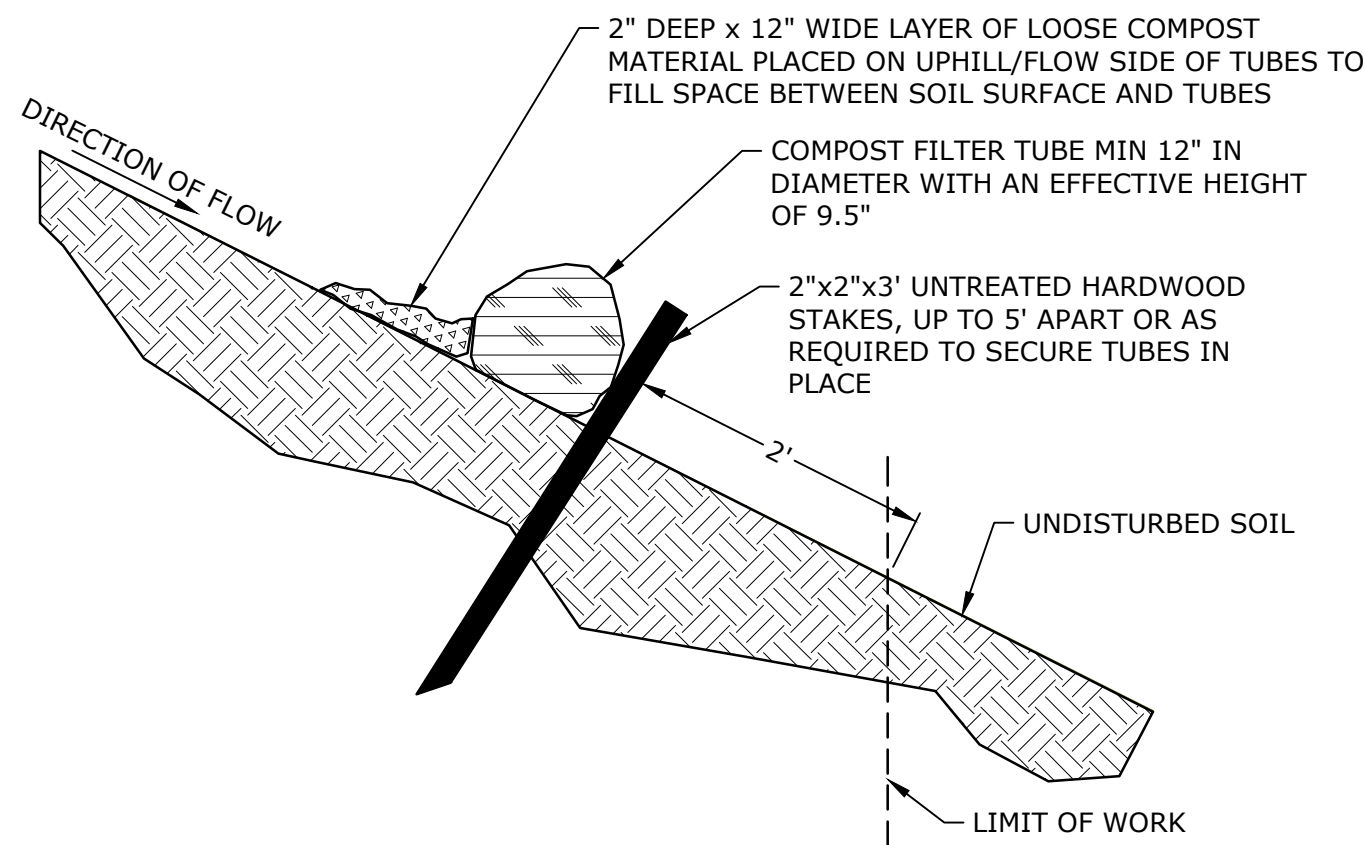
SCALE: 1" = 20'

C-206

Last Saved: 6/25/2020 10:06:45am By: S92hmk
Plotted On: Jun 25, 2020 10:06:45am
File & Send: D:\D5017-06-01-C-301-DET1.dwg
Figures\Frontier\AutocAD\Sheet\Construction Drawings\D5017-06-01-C-301-DET1.dwg



PLAN VIEW - JOIN DETAIL

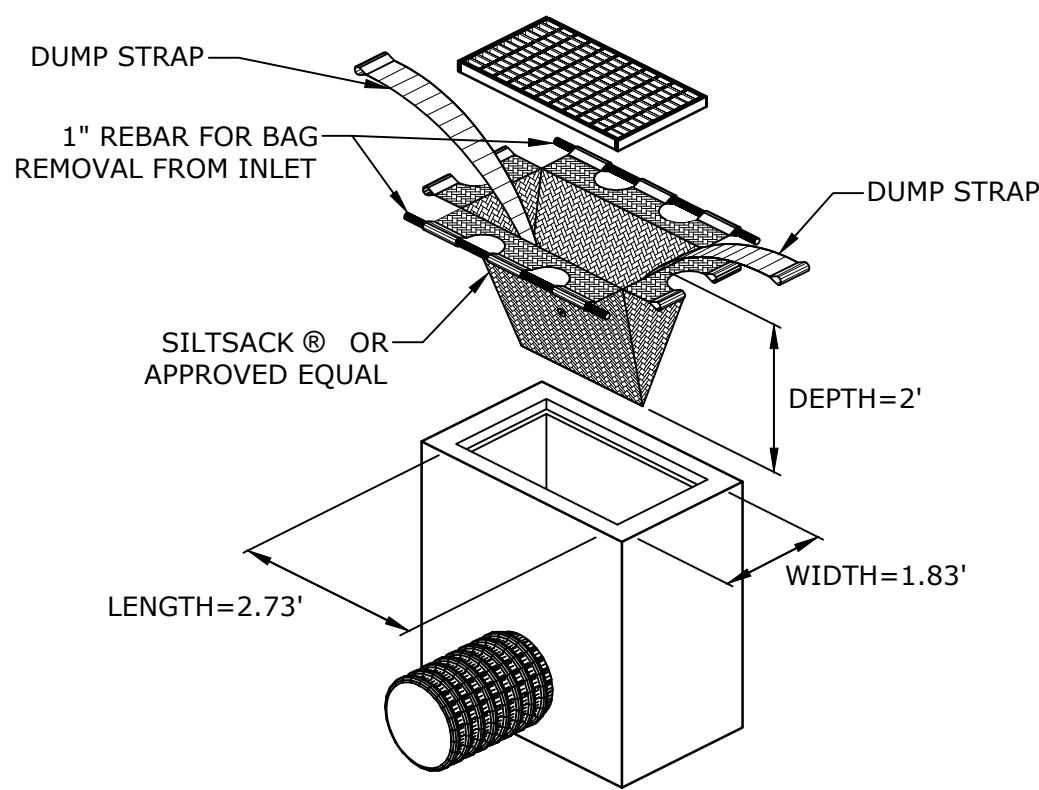


SECTION VIEW

FILTER TUBE NOTES:

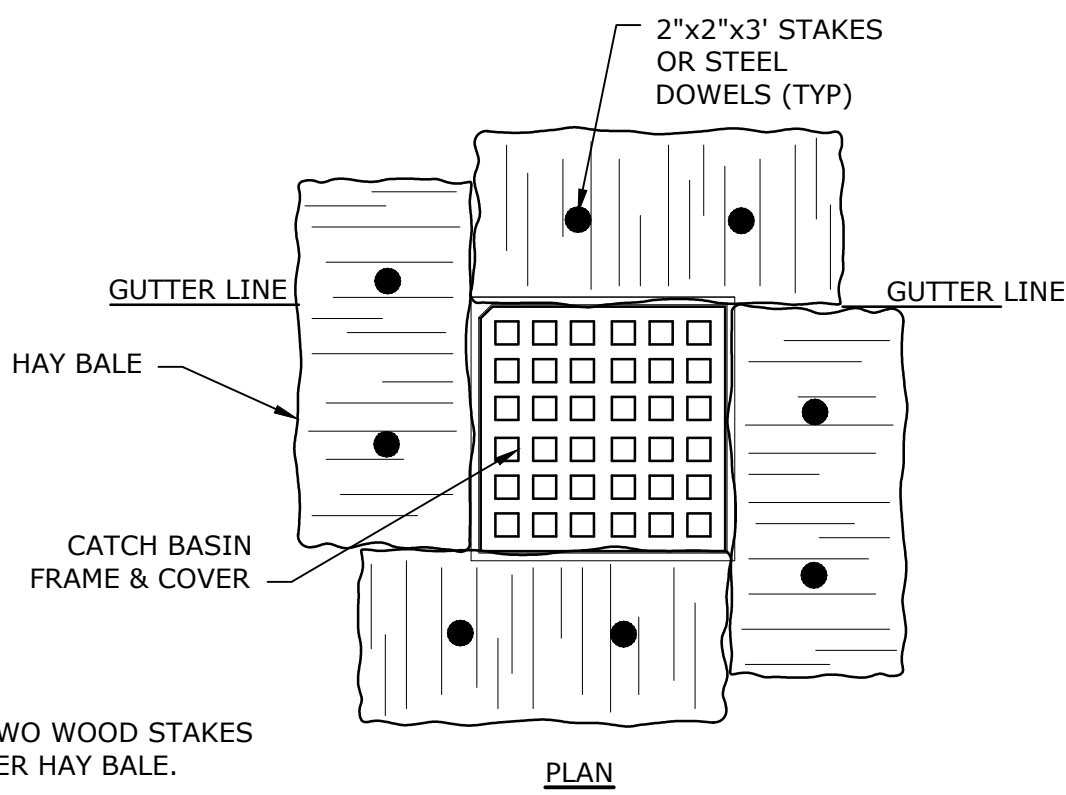
1. TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL.
2. MINIMUM TUBE DIAMETER SHALL BE 12" FOR SLOPES UP TO 50' IN LENGTH WITH A GRADE OF 3H:1V OR LESS. SITES WITH A GRADE STEEPER THAN 3H:1V OR A SLOPE LONGER THAN 50' MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING 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

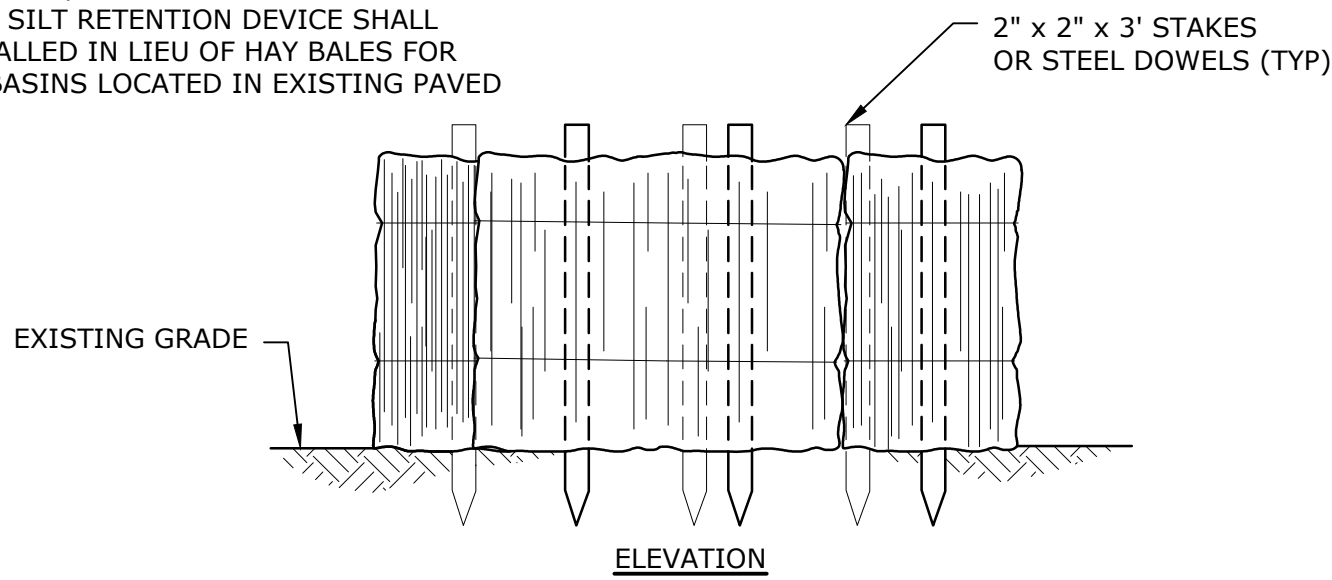


SILTSACK MANUFACTURED BY:
ACF ENVIRONMENTAL
2831 CARDWELL ROAD
RICHMOND, VIRGINIA 23237

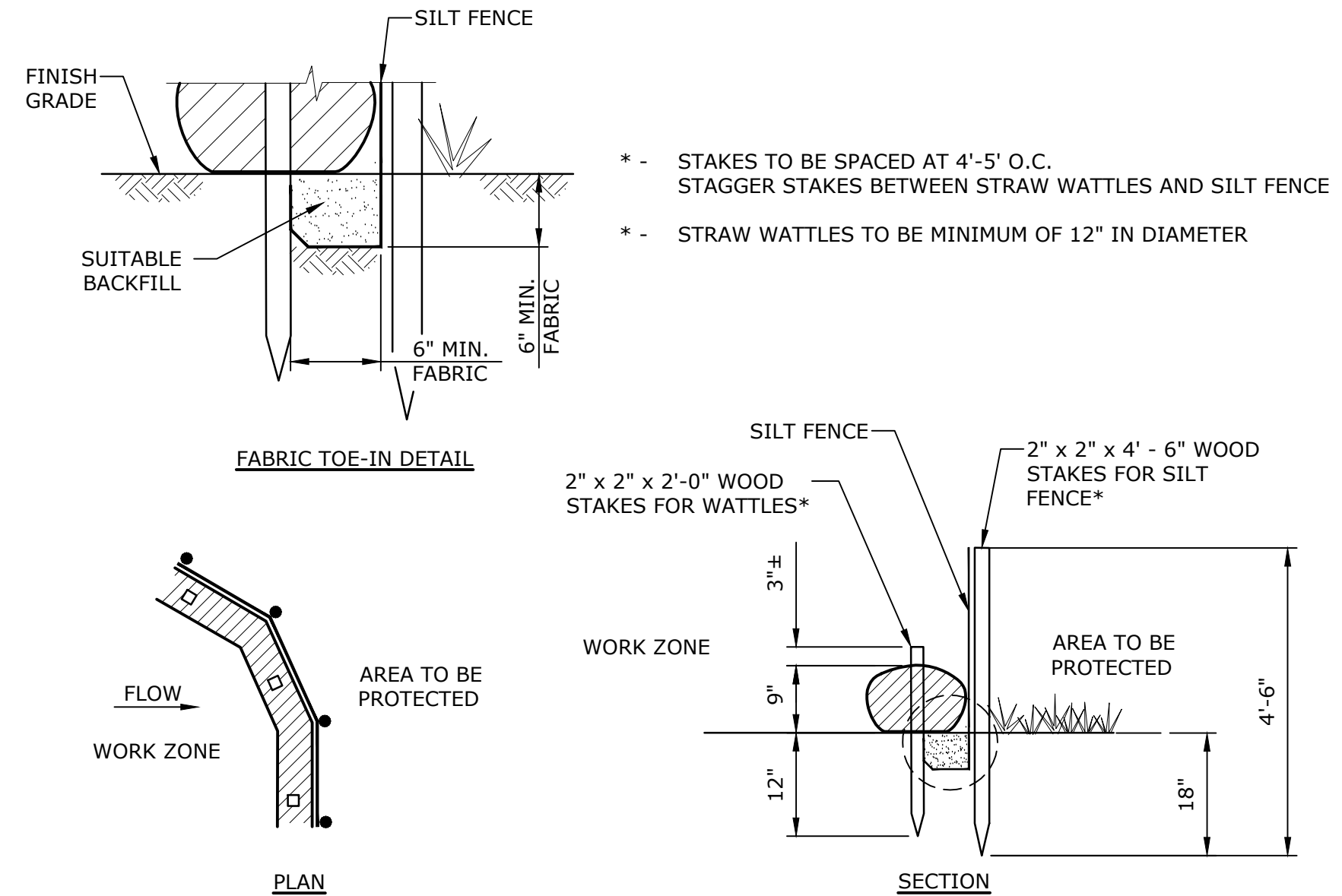
SILTSACK®
NO SCALE



- 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.



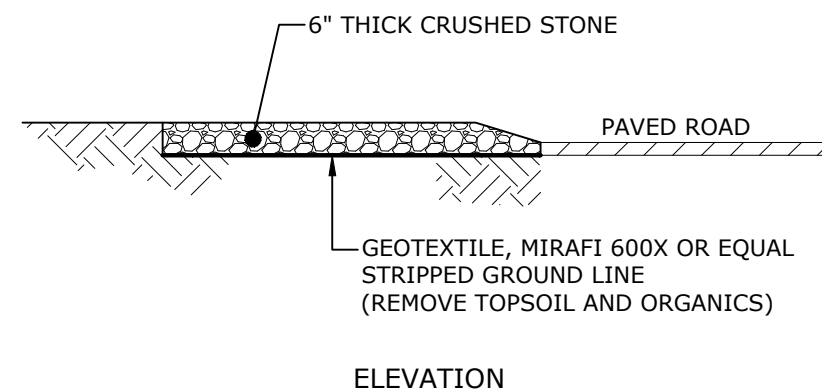
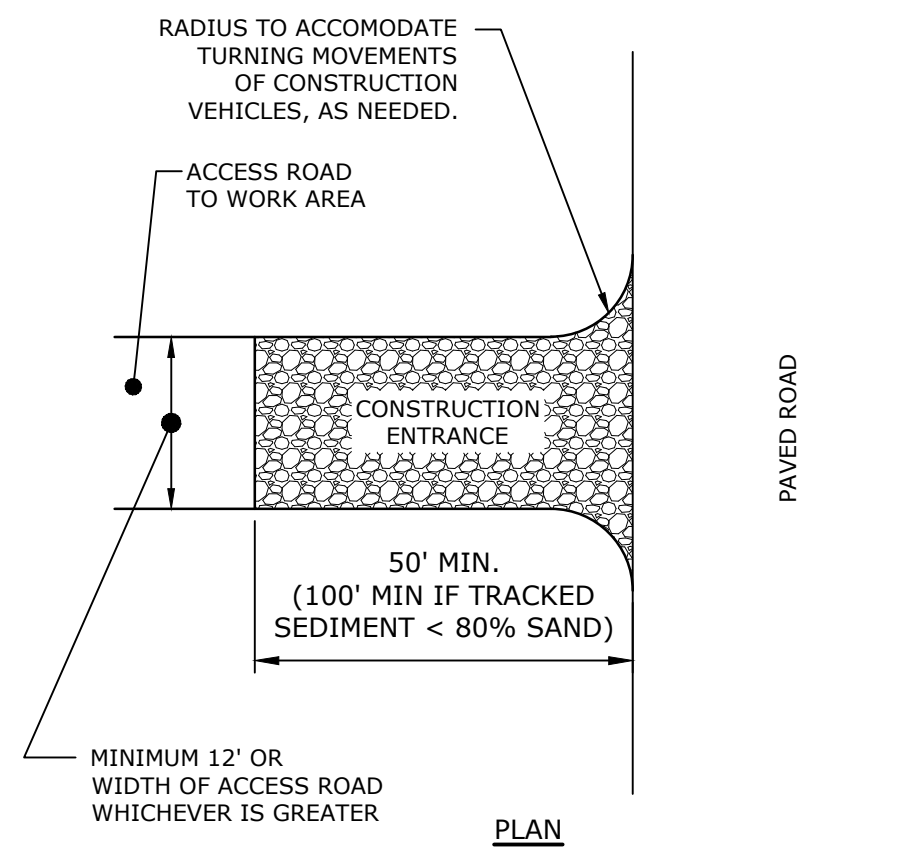
CATCH BASIN INLET
SEDIMENT CONTROL
NO SCALE



- * - 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

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



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-DET1.dwg
DRAWN BY:		DWB
CHECKED BY:		ADF
APPROVED BY:		DLL

DETAILS - 1

SCALE: NO SCALE

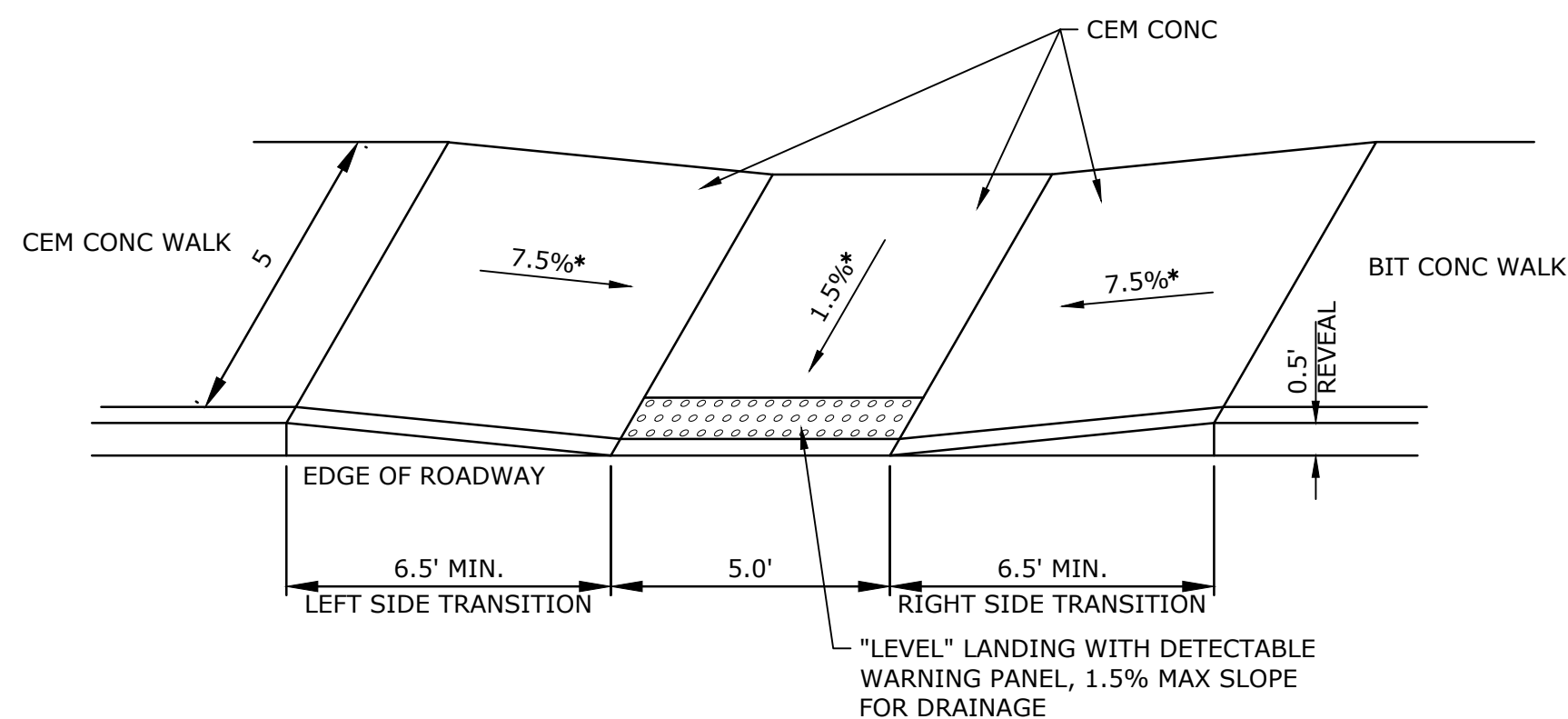
C-502

1. WIDTH OF WALKWAYS SHALL NOT BE LESS THAN 60 INCHES, EXCLUDING CURB.
2. AN UNOBSTRUCTED PATH OF TRAVEL SHALL BE PROVIDED WHICH IS AT LEAST 36 INCHES CLEAR, EXCLUDING CURB.
3. LOW SIDE TRANSITION LENGTH SHALL BE A MINIMUM OF 6'-6".
4. HIGH SIDE TRANSITION LENGTH SHALL BE DETERMINED FROM THE HIGH SIDE TRANSITION LENGTH TABLE (THIS SHEET).
5. THE WHEELCHAIR RAMP SLOPES AND SIDE SLOPES (TRANSITIONS) WILL BE 7.5% WITH A CONSTRUCTION TOLERANCE OF 0.5%±. HOWEVER, THESE SLOPES MAY BE FLATTER WHEN WARRANTED BY SURROUNDING CONDITIONS.
6. WHERE THE ROAD PROFILE EXCEEDS 4%, THE HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 15-FEET.
7. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE THE CROSSWALK. THE WHEELCHAIR RAMP ENTRANCE IS TO BE CENTERED IN THE CROSSWALK WHENEVER POSSIBLE.
8. THE ENTRANCE OF A WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
9. TESTING SURFACE: WHEN TESTING WITH A STRAIGHTEDGE PLACED PARALLEL TO THE LINE OF SLOPE THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF 1/4".
10. DETECTABLE WARNING PANELS ARE REQUIRED ON ALL OF THE PROPOSED WHEELCHAIR RAMPS AND ARE TO BE INSTALLED IN ACCORDANCE WITH MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (MAAB) AND UNITED STATES AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS.

** HIGH SIDE TRANSITION LENGTH	
ROADWAY PROFILE GRADE, %	TRANSITION LENGTH
0	6'-6"
>0-1	7'-8"
>1-2	9'-0"
>2-3	11'-0"
>3-4	14'-0"
>4	15'-0" MAX

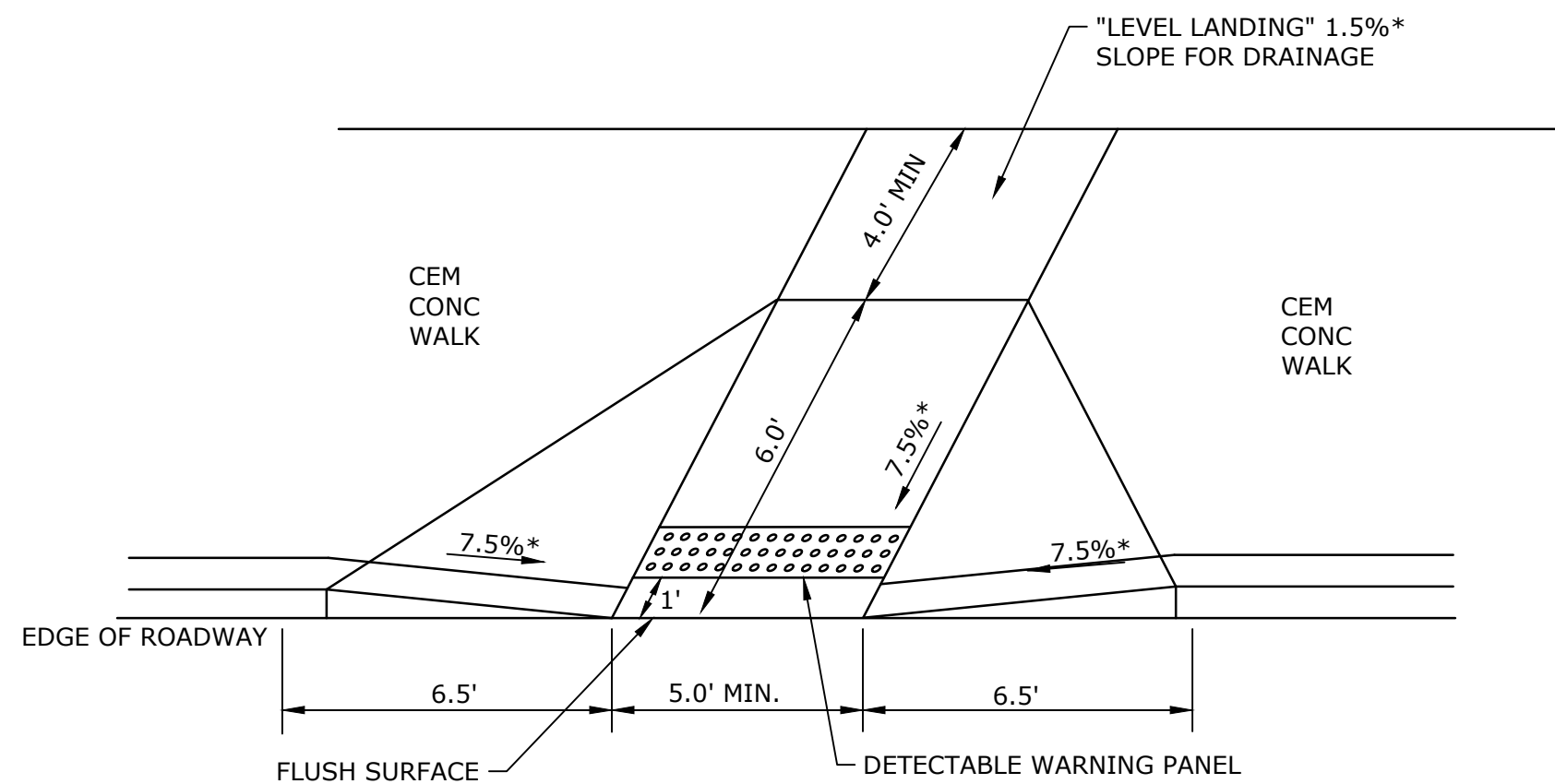
NOTE:
**** BASED ON A DESIGN SLOPE OF 7.5%
 AND A CURB REVEAL OF 6".**

HIGH SIDE TRANSITION RAMP TABLE



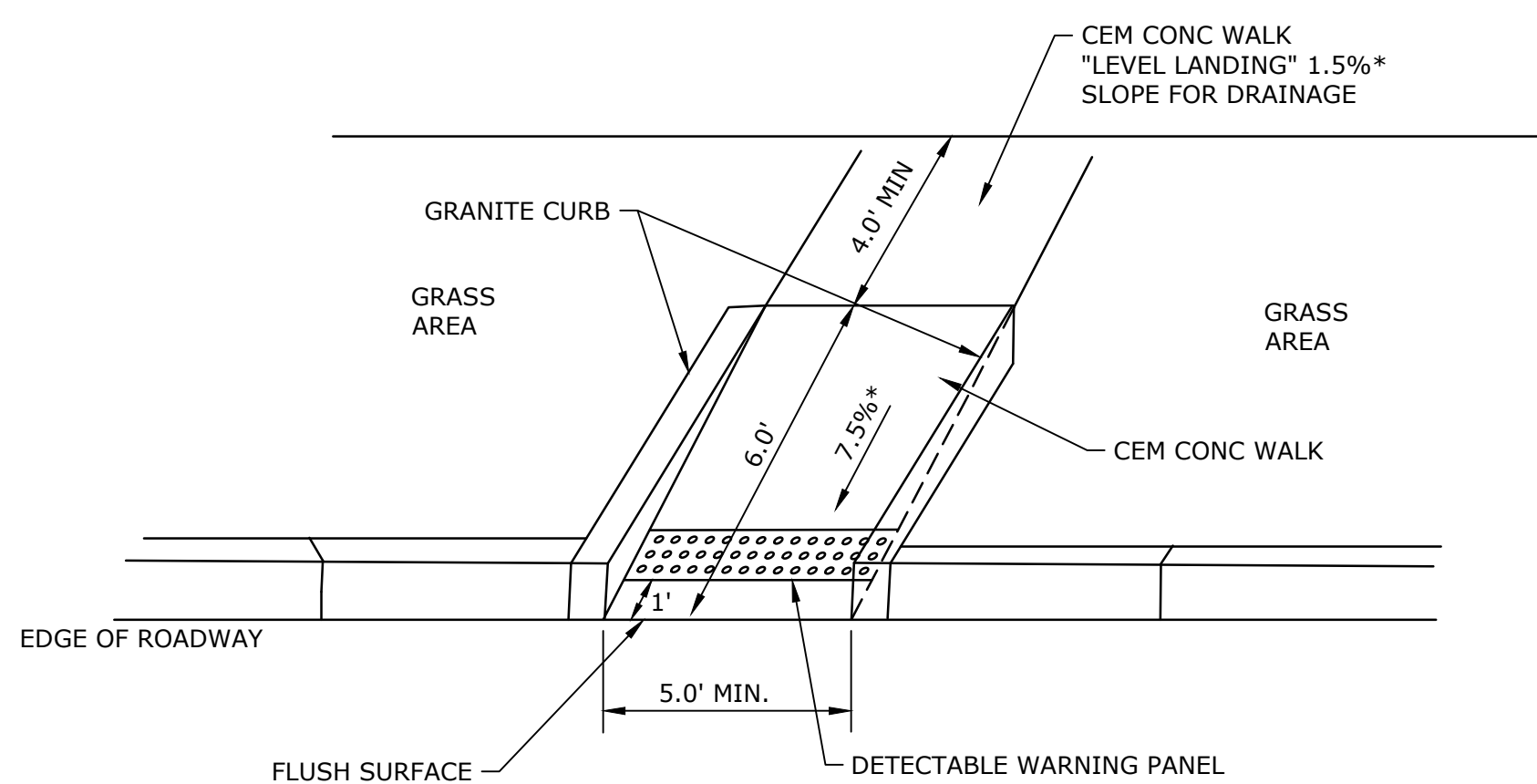
* TOLERANCE FOR CONSTRUCTION $\pm .5\%$

TYPICAL WHEELCHAIR RAMP - TYPE 2
NO SCALE



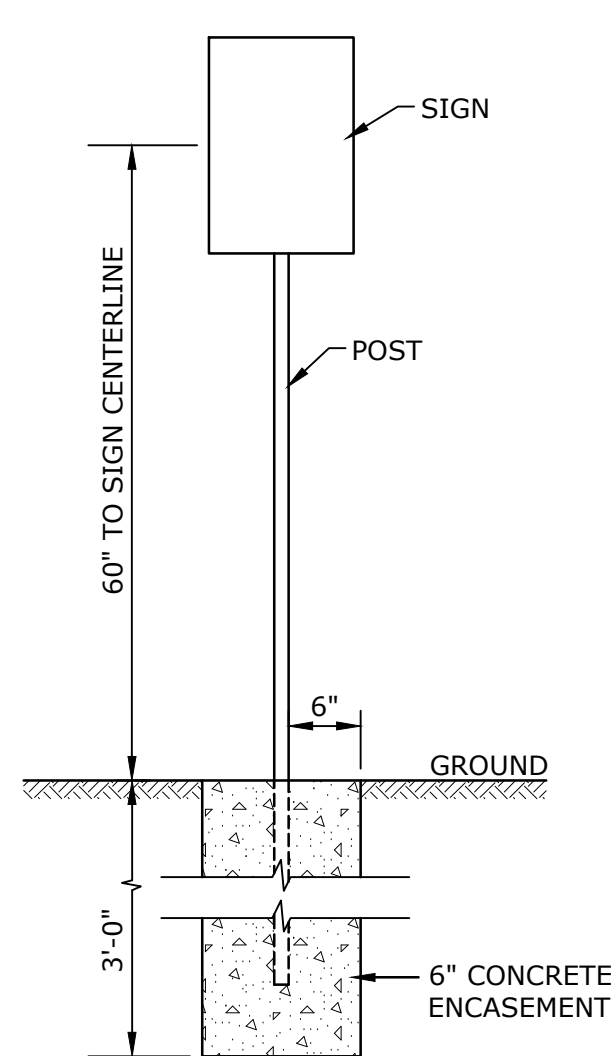
* TOLERANCE FOR CONSTRUCTION 0.5%±

TYPICAL WHEELCHAIR RAMP - TYPE 3
NO SCALE



* TOLERANCE FOR CONSTRUCTION 0.5%±

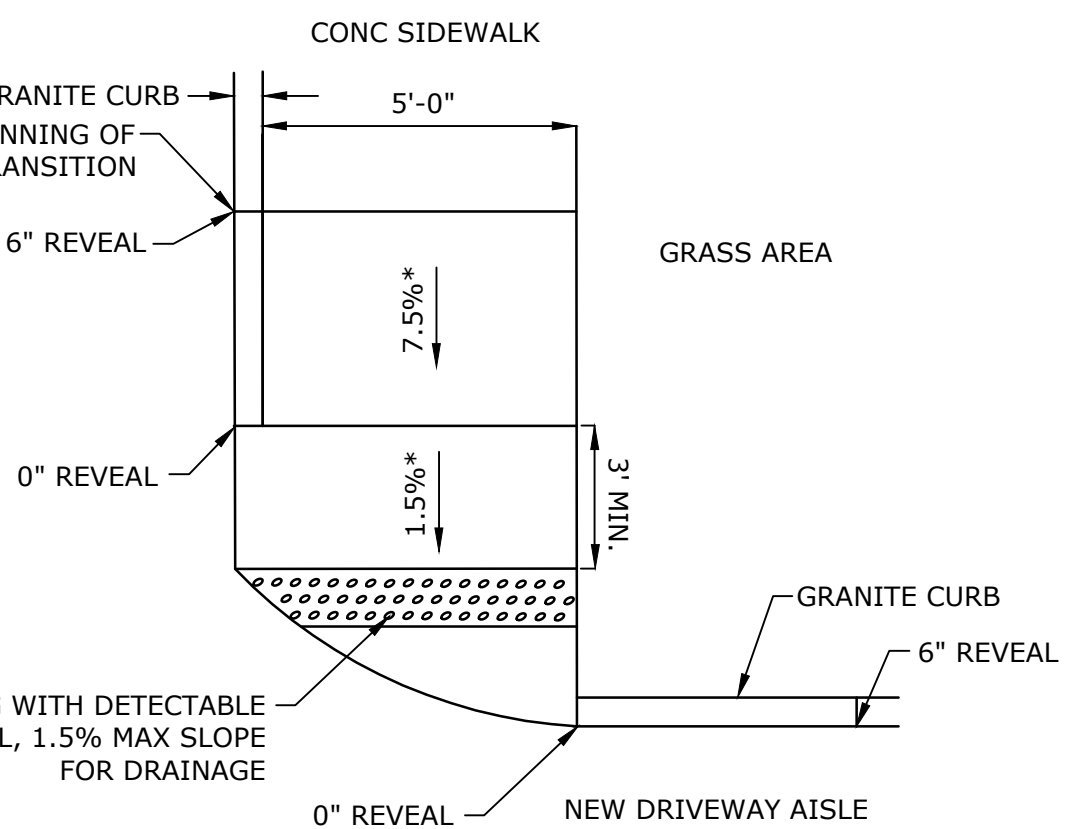
TYPICAL WHEELCHAIR RAMP - TYPE 5
NO SCALE



TYPICAL SIGNPOST
NO SCALE

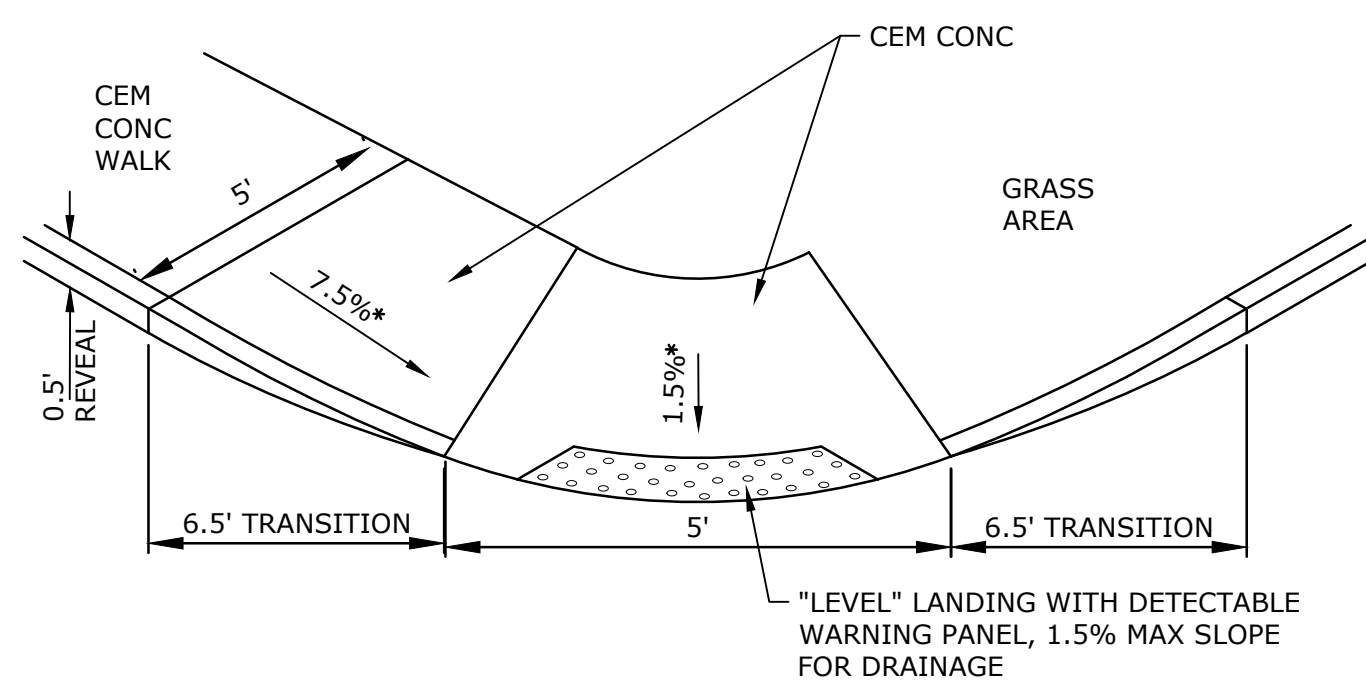


**TYPICAL HANDICAPPED
PARKING SIGN**
NO SCALE



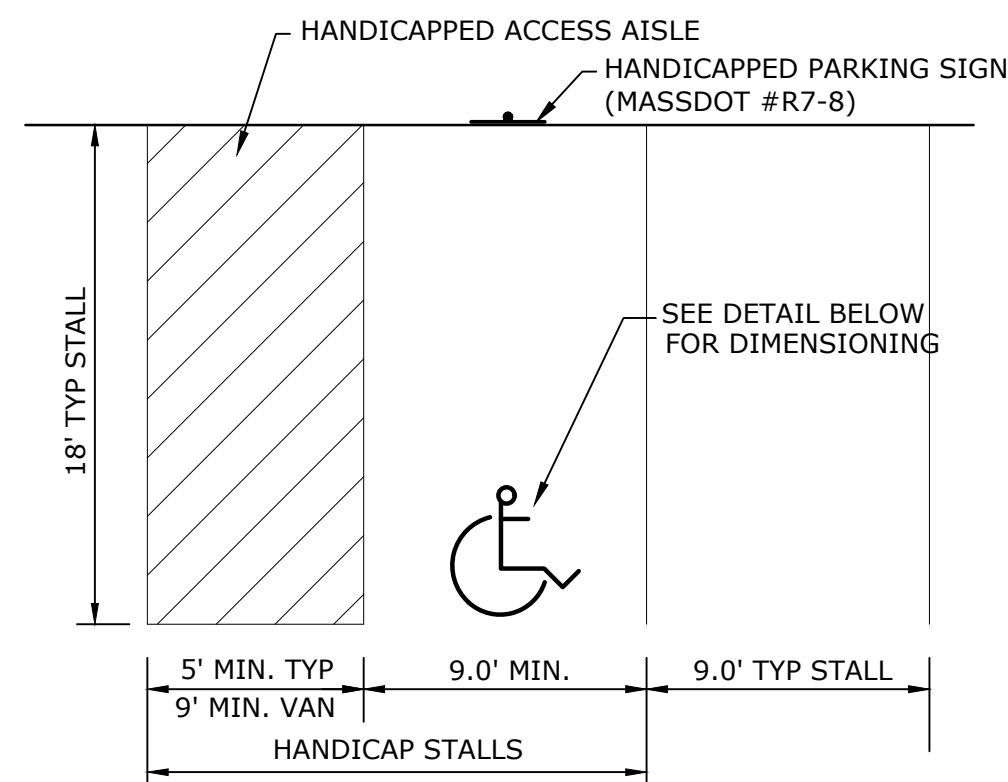
* TOLERANCE FOR CONSTRUCTION $\pm 0.5\%$

TYPICAL WHEELCHAIR RAMP - TYPE 1
NO SCALE



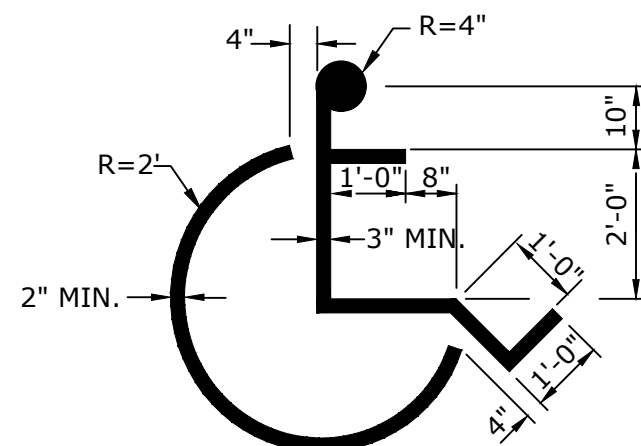
* TOLERANCE FOR CONSTRUCTION $\pm .5\%$

TYPICAL WHEELCHAIR RAMP - TYPE 4
NO SCALE

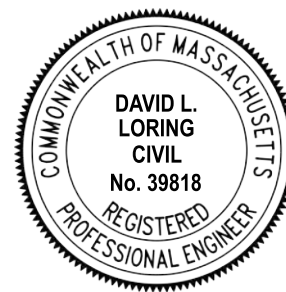


NOTES:

1. ALL DIMENSIONS TO CENTER OF 4" PAVEMENT STRIPING.
2. ALL STRIPING SHALL BE 4" SOLID WHITE PAVEMENT MARKING PAINT UNLESS OTHERWISE NOTED.
3. SYMBOL SHALL BE CENTERED IN THE PARKING STALL.



PAVEMENT MARKING DETAILS
NO SCALE



Green Parking Lot Project

Frontier Regional High School

Deerfield, MA

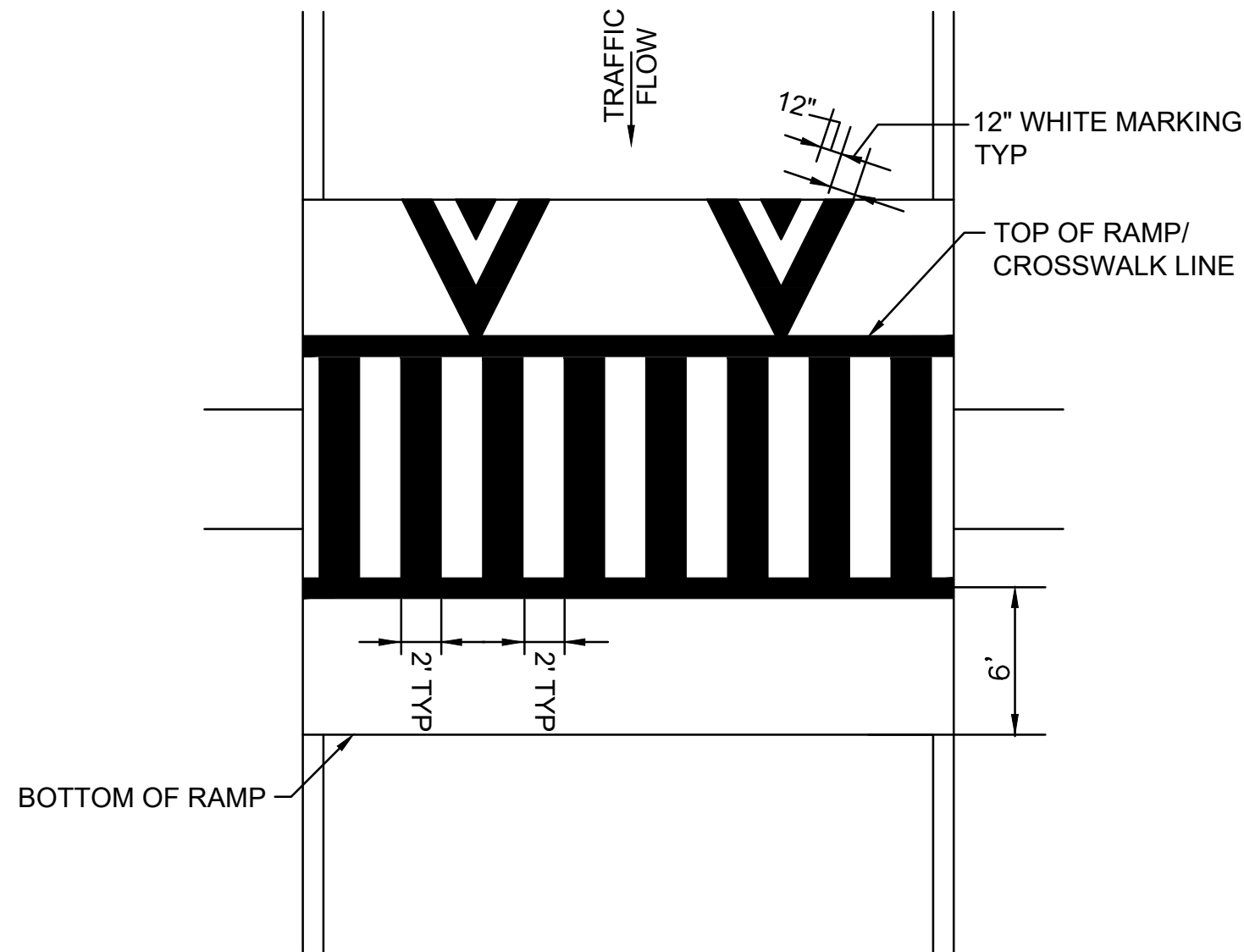
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DETAILS - 3

SCALE: AS SHOWN

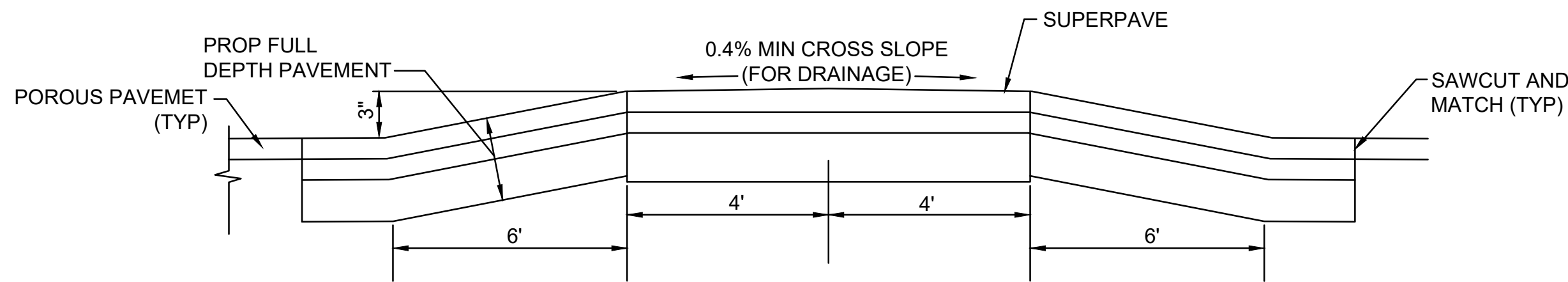
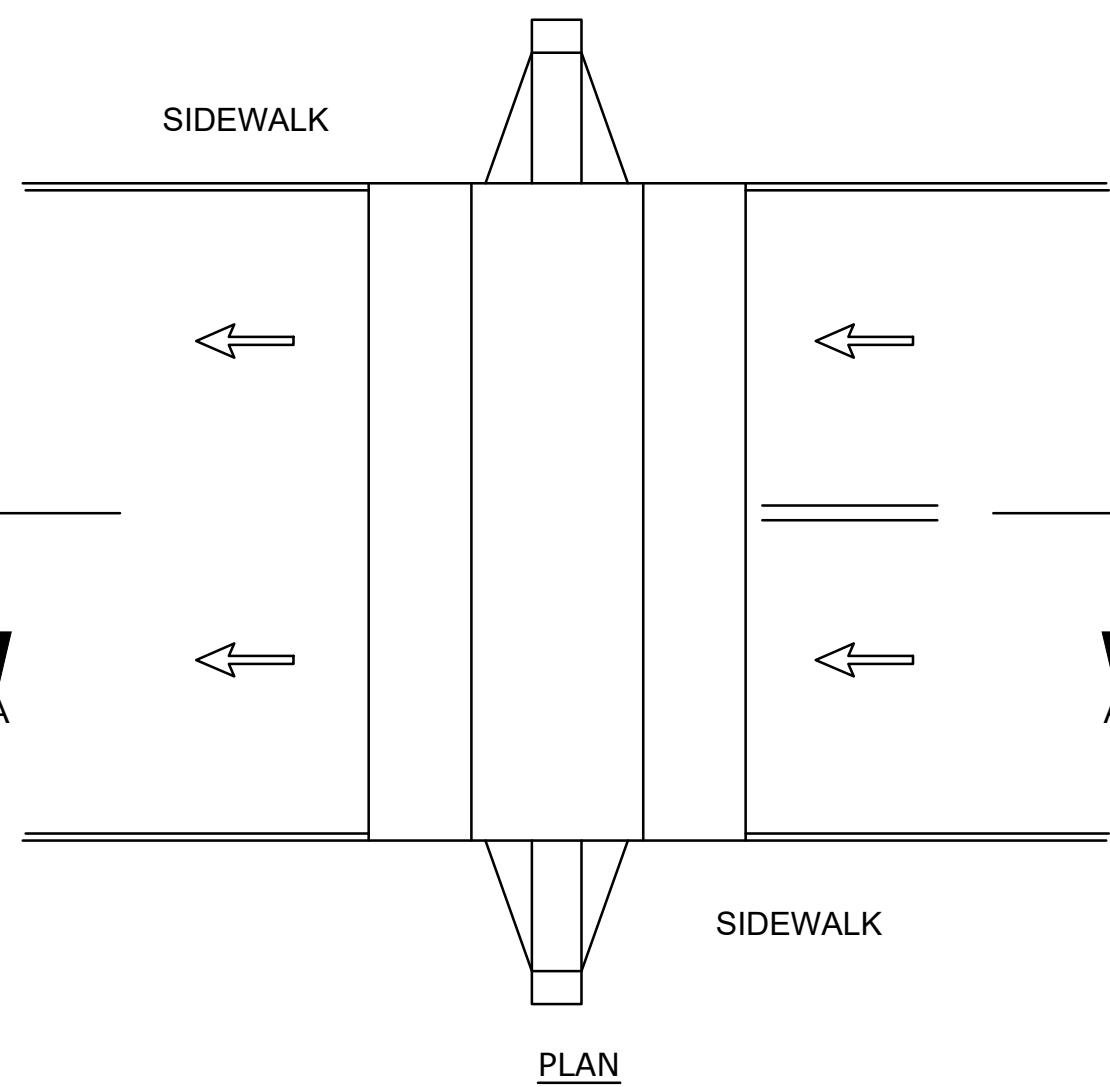
C-503

Last Saved: 6/25/2020 10:06:45:59am By: S92hmk
Plotted On: Jun 25, 2020 10:06:45:59am
File & Send: D:\050217 Town of Deerfield\006 - Green Parking Lots\Drawings - Figures\Frontier\AutoCAD\Sheet\Construction Drawings\DS017-06-01-C-301-DETL.dwg

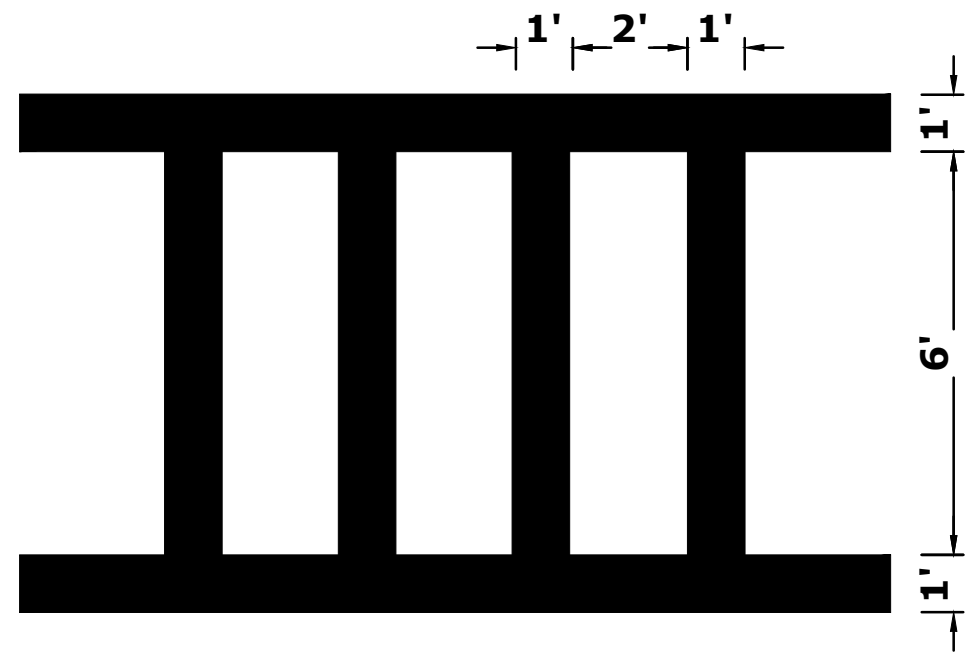


RAISED CROSSWALK PAVEMENT MARKINGS
NO SCALE

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

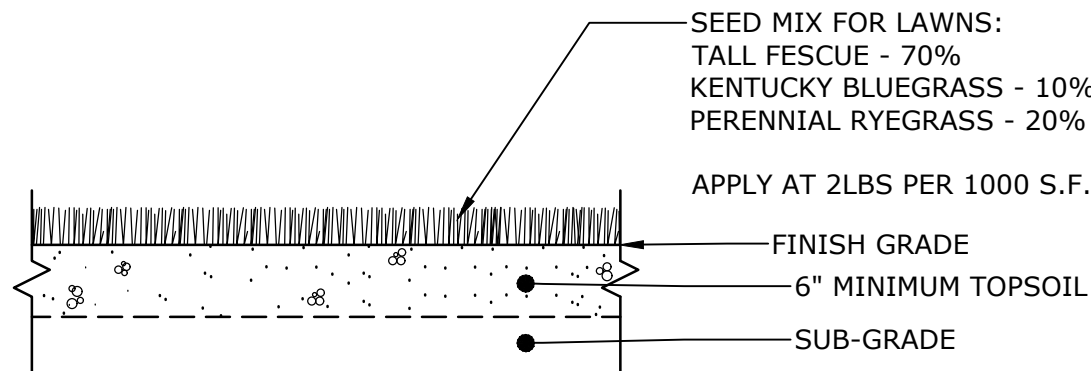


RAISED CROSSWALK DETAIL
NO SCALE

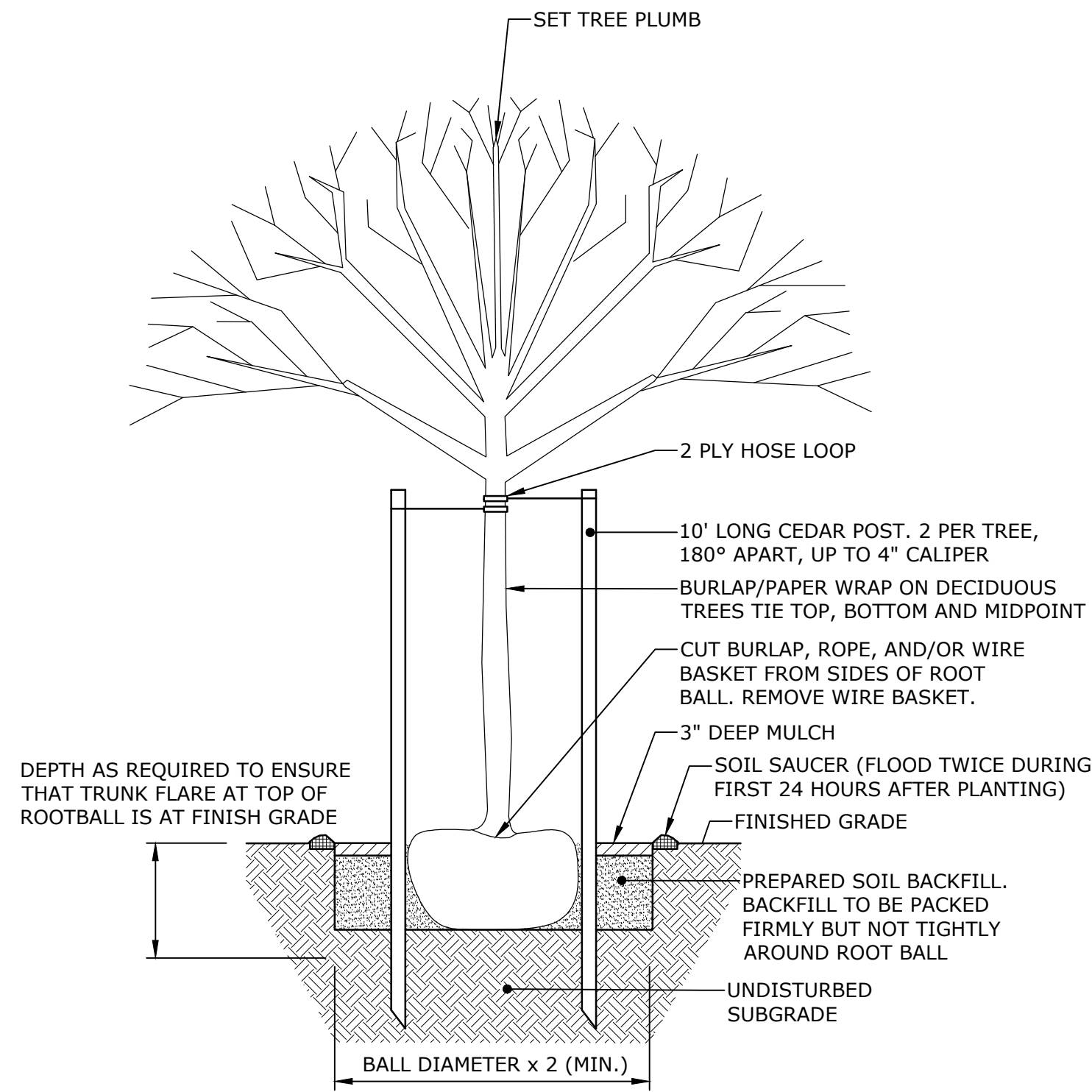


CROSSWALK STRIPING
NO SCALE

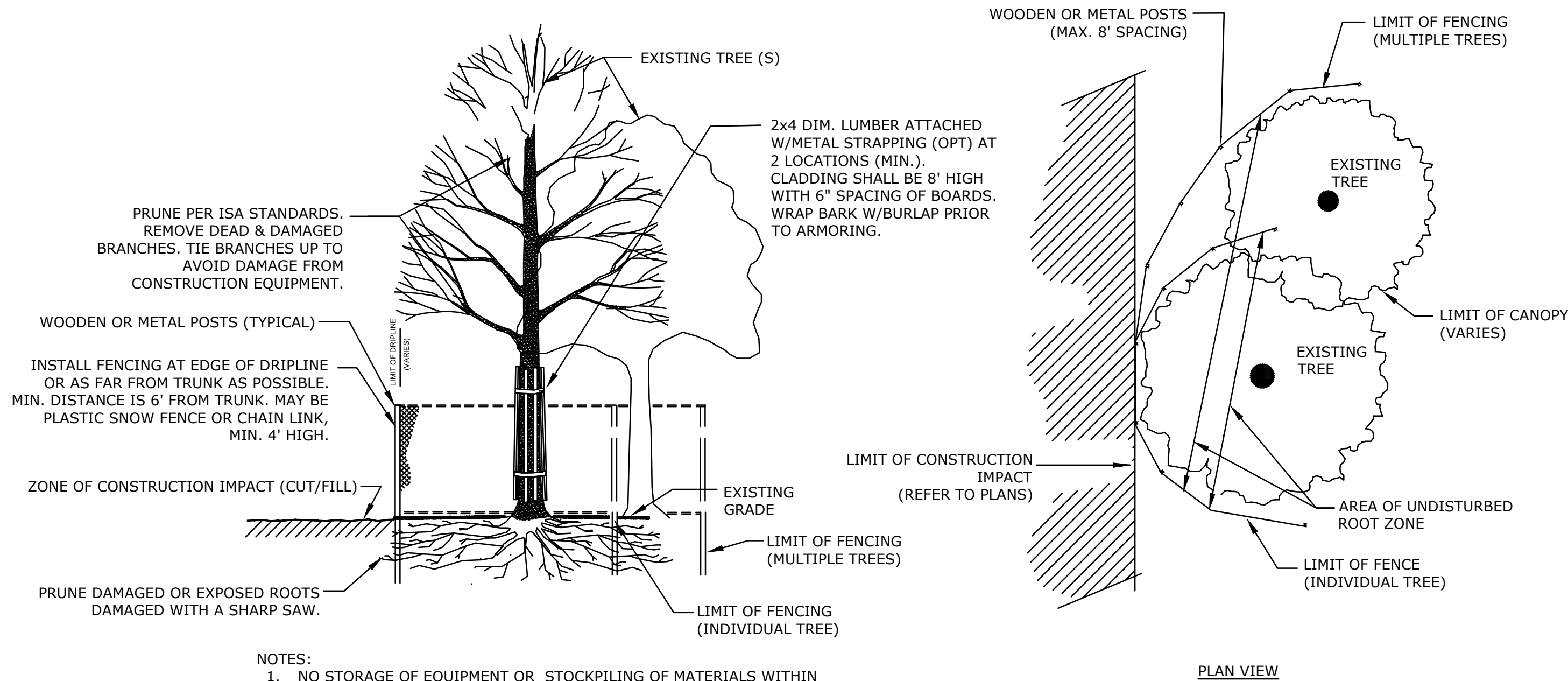
NOTE:
1. CONTRACTOR TO USE DEERFIELD DPW STANDARD CROSS WALK STENCIL.



LAWN AREAS
NO SCALE



TREE PLANTING 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/BVW 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

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PROJECT NO:	D5017-006	
DATE:	04/27/2020	
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DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

DETAILS - 4

SCALE: AS SHOWN

C-504



Green Parking Lot Project

Frontier Regional High School

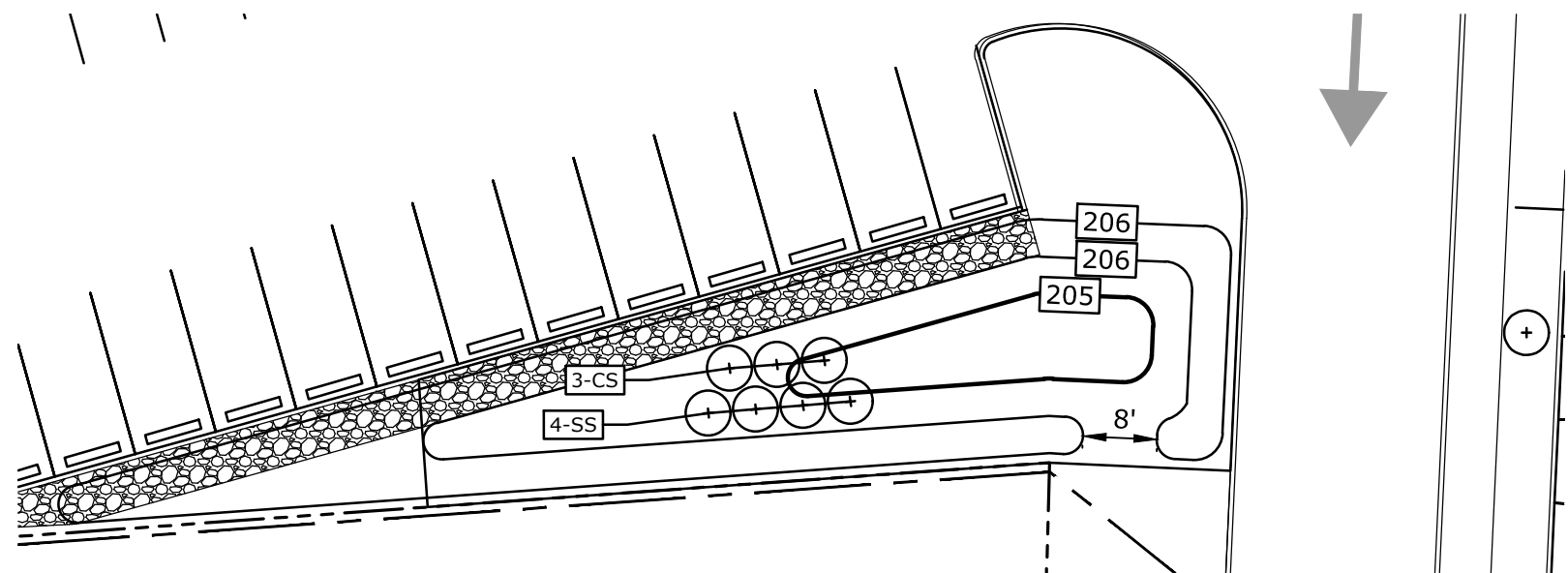
Deerfield, MA

MARK	DATE	DESCRIPTION
PROJECT NO:	D5017-006	
DATE:	04/27/2020	
FILE:	D5017-06-01-C-301-DET1.dwg	
DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

DETAILS - 5

SCALE: AS SHOWN

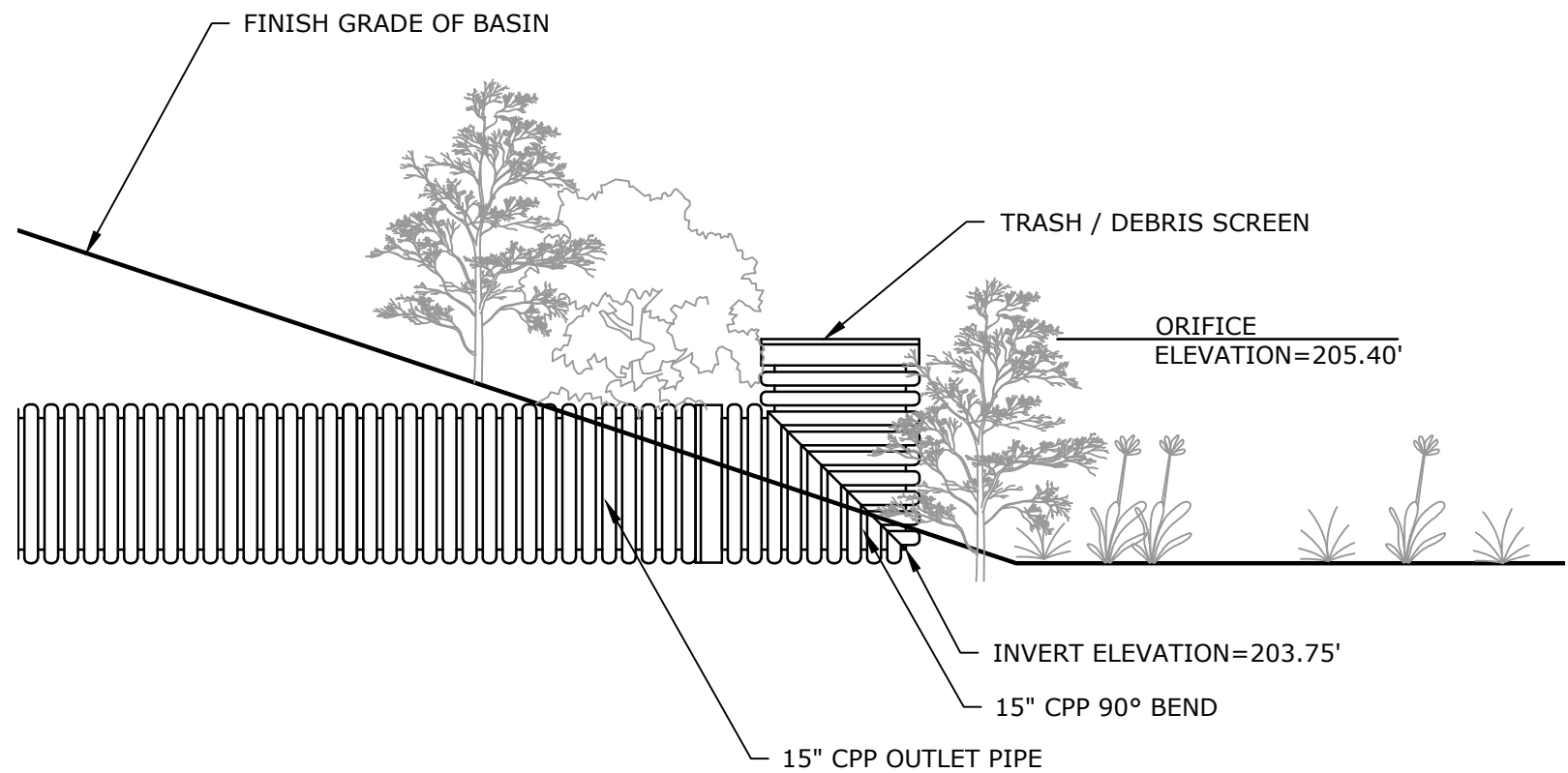
C-505



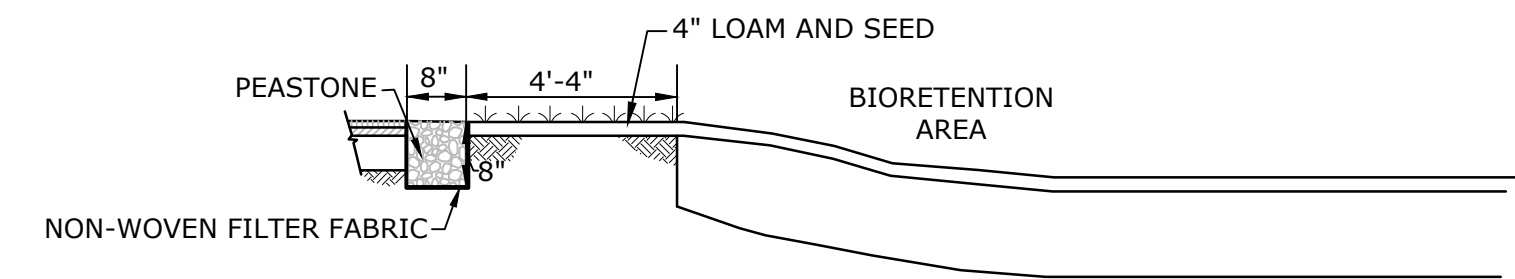
PLANT SCHEDULE

SYM.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
	SHRUBS			
CS	<i>CORNUS SERICEA</i>	RED OSIER DOGWOOD	3	#3 CONT.
SS	<i>SCHIZACHYRIUM SCOPARIUM</i>	LITTLE BLUE STEM	4	#3 CONT.

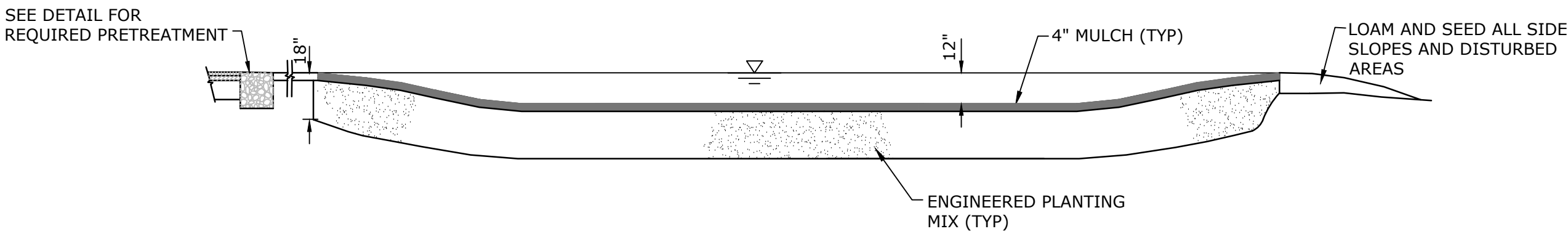
BIORETENTION AREA PLANTING PLAN
1"=20'



CPP RISER OUTLET
NO SCALE

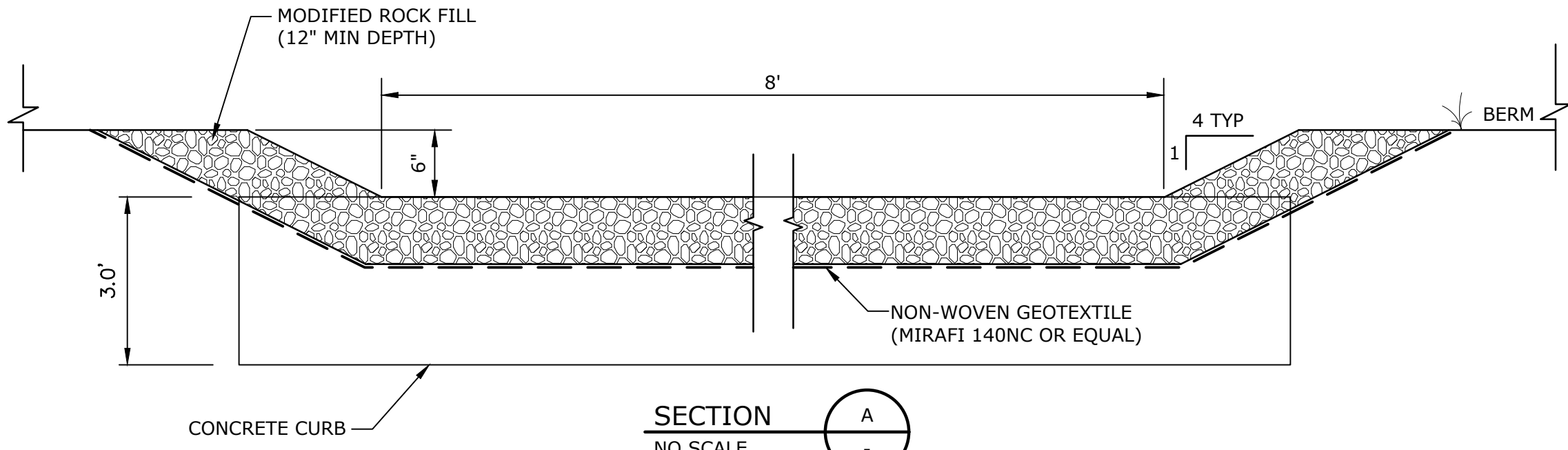
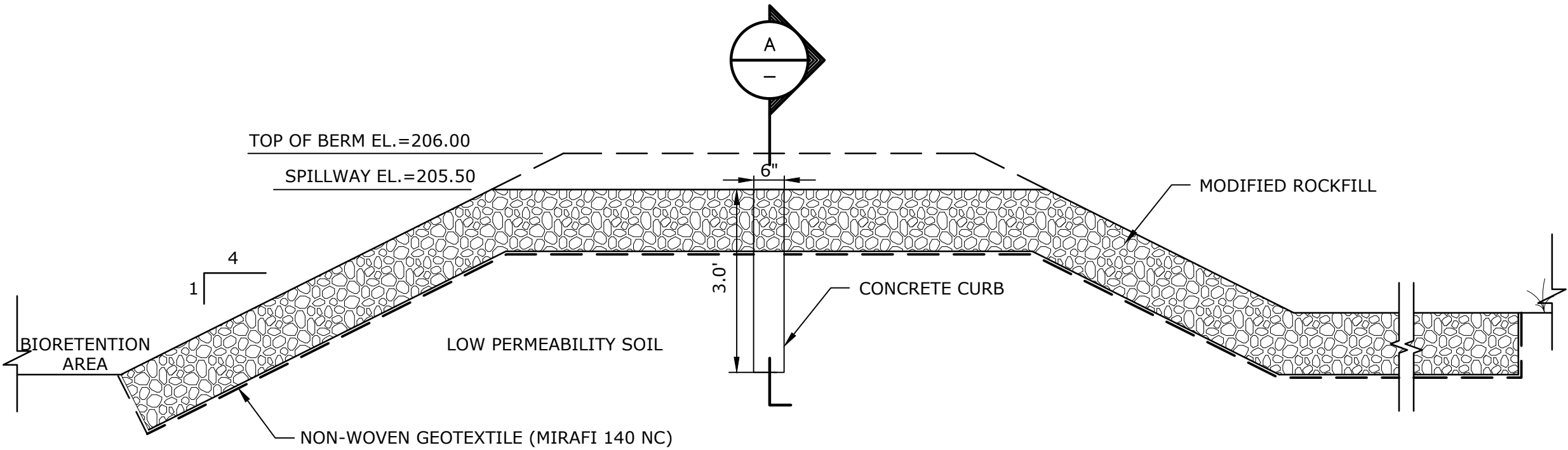


BIORETENTION AREA
GRASS AND GRAVEL PRETREATMENT
NO SCALE



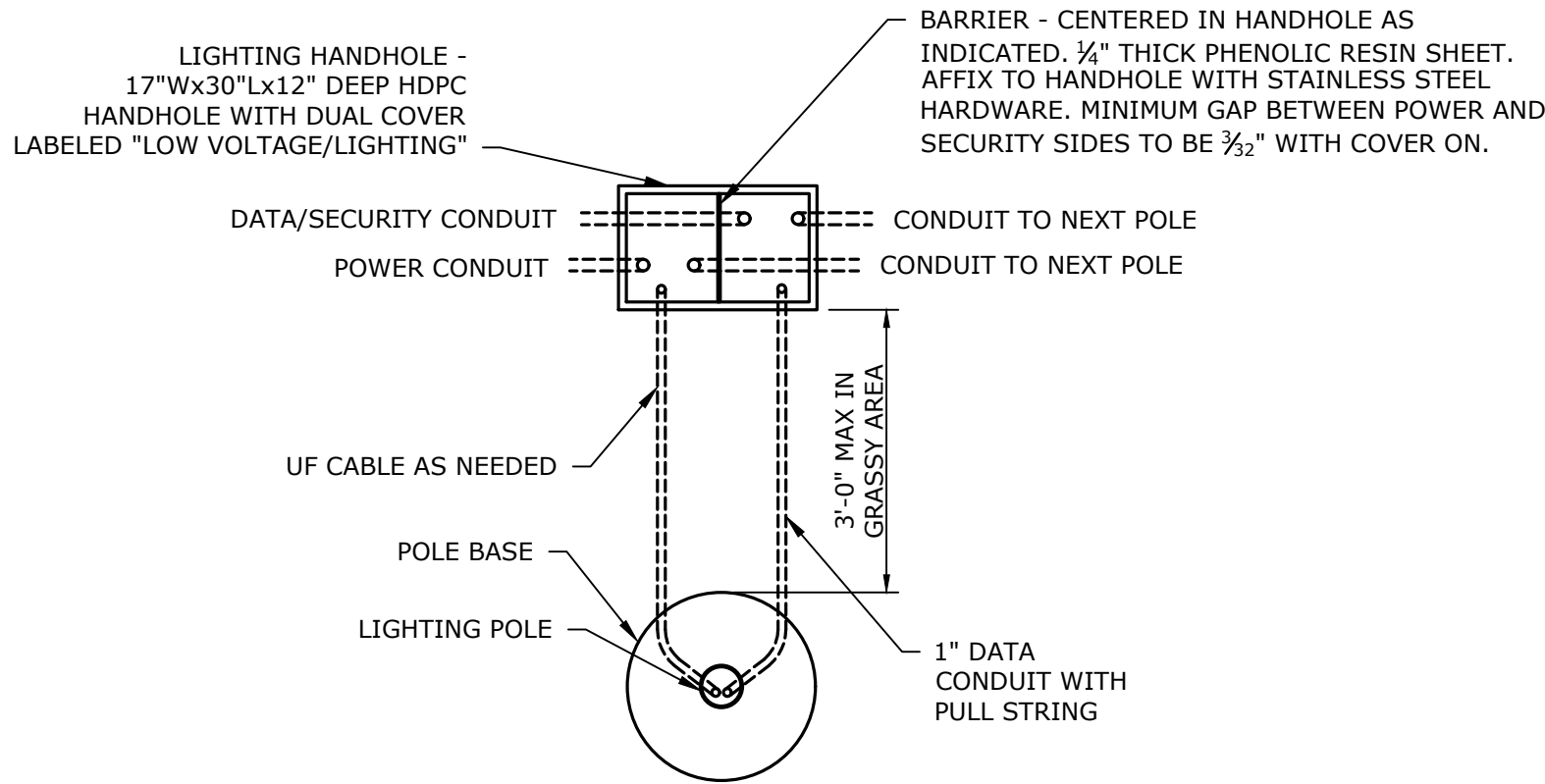
TYPICAL ENGINEERED PLANTING MIX
40% SAND
20% TOPSOIL
40% COMPOST
<5% SILT/CLAY CONTENT
pH 5.5 - 6.5
1.5-3% ORGANIC CONTENT

BIORETENTION AREA
NO SCALE

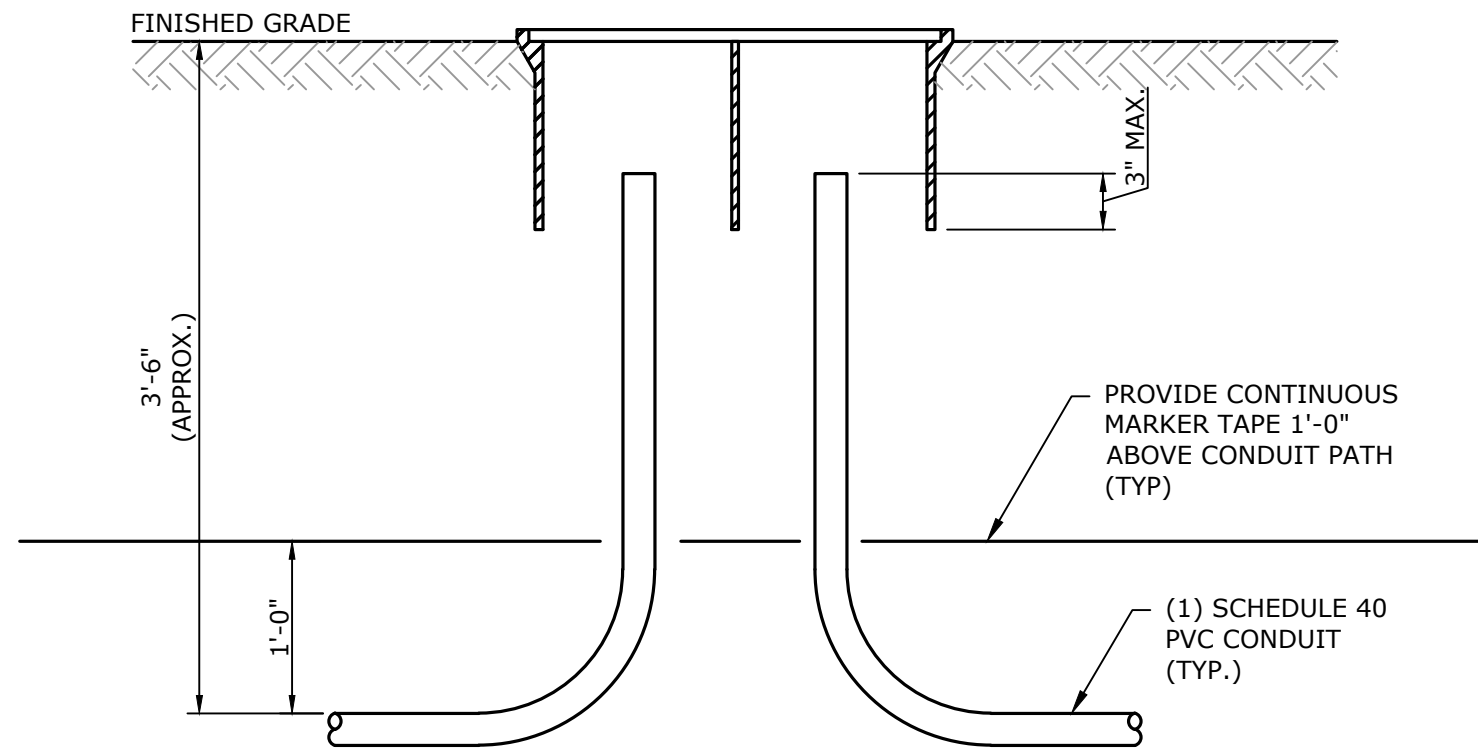


BIORETENTION AREA SPILLWAY
NO SCALE

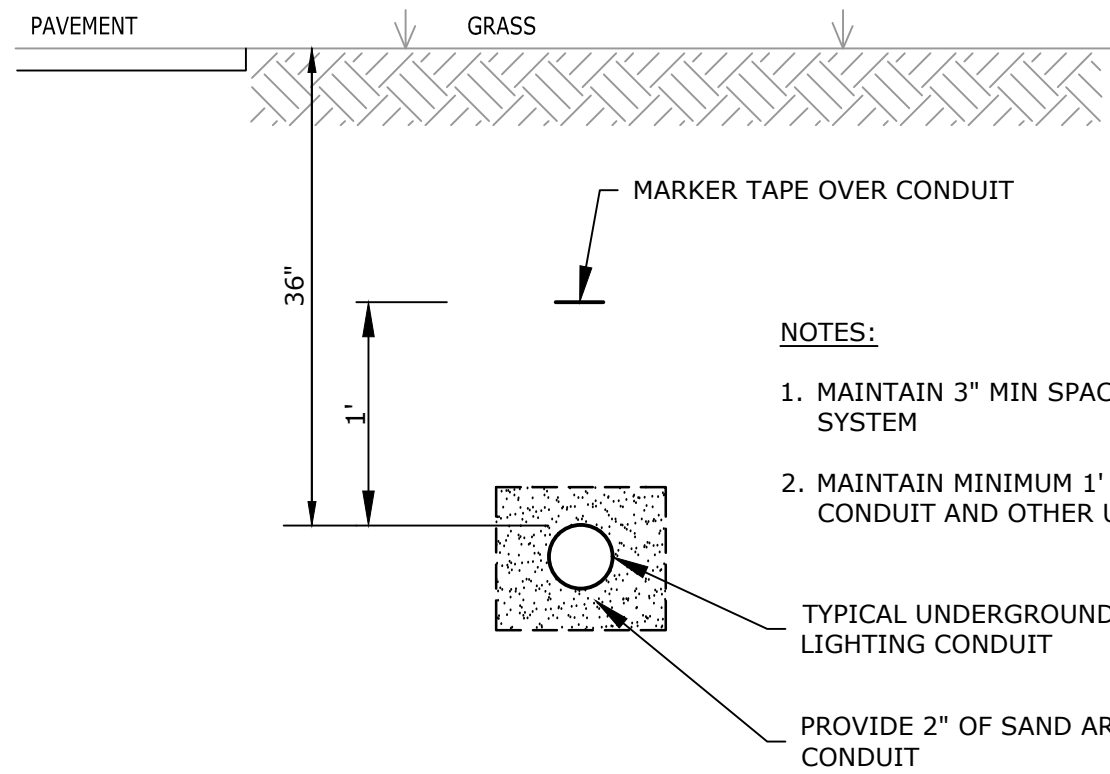
Last Saved: 6/25/2020 10:06:45am By: S92hmk
Plotted On: Jun 25, 2020 10:06:45am
Title & Content: D5017-06-01-DET1.dwg
Figure: Frontier\AutocAD\Sheet\Construction Drawings\05017-06-01-C-301-DET1.dwg
Green Parking Lots\Drawings Figures\Frontier\AutocAD\Sheet\Construction Drawings\05017-06-01-C-301-DET1.dwg



- NOTE:**
1. COORDINATE WITH SITE ELECTRICAL PLANS. CONDUIT TYPES SHOWN ARE TYPICAL. PROVIDE CONDUIT ENTRIES AND QUANTITIES AS SHOWN ON SITE PLANS.
 2. CONTRACTOR SHALL SIZE HAND HOLE PER NEC REQUIREMENTS.
 3. SPLICE CONDUITS (INCLUDING GROUNDING CONDUCTORS) IN HANDHOLE WITH SILICONE FILLED CONECTORS 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.
 4. LEAVE SLACK FOR POWER CONDUCTORS TO BE CONTINUOUS TO THE TOP OF POLE WITHOUT SPLICING.



TYPICAL LIGHTING HANHOLE (IN GRASSY AREA) DETAIL
NO SCALE

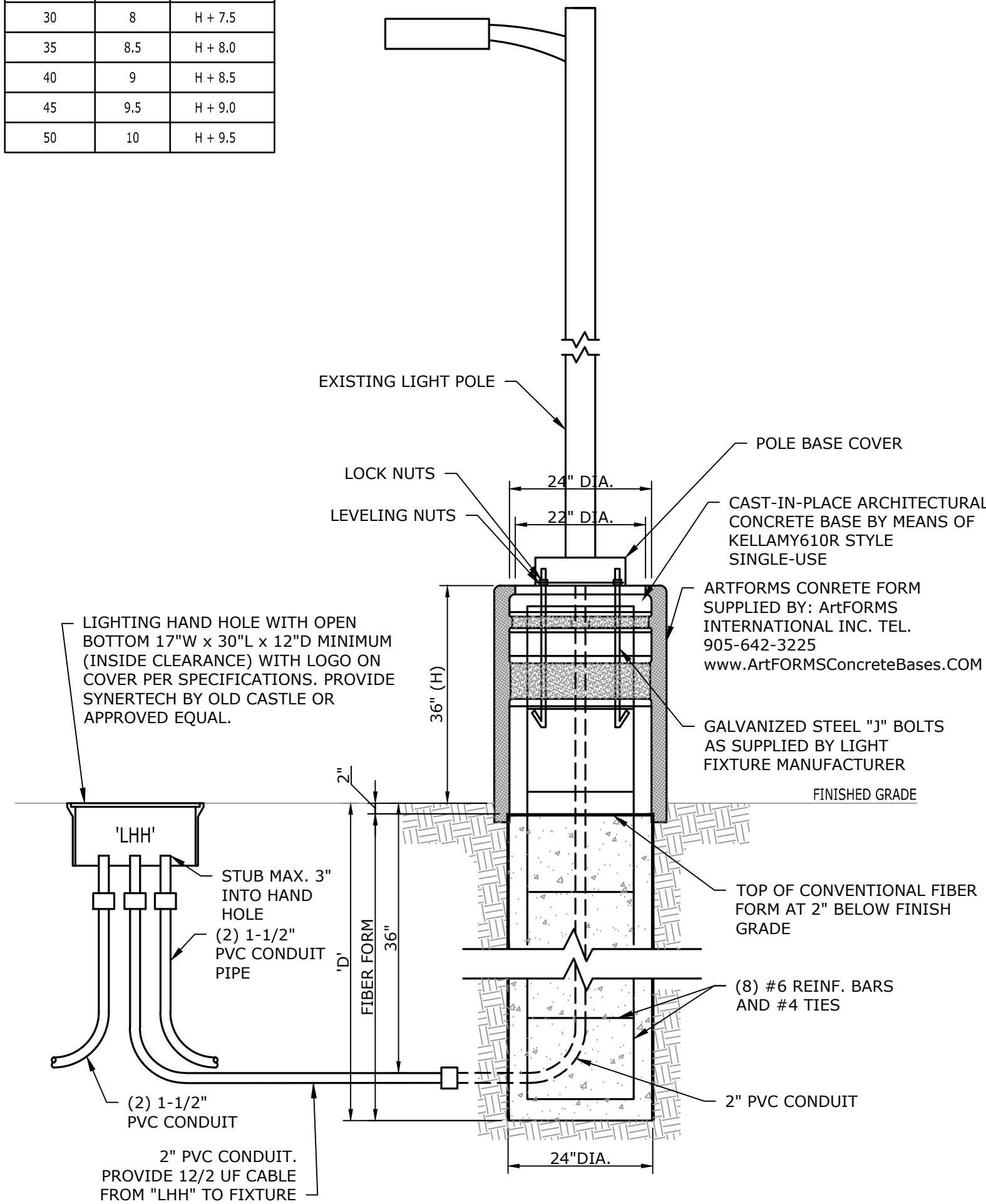


CONDUIT DETAIL
NO SCALE

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:

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



SITE LIGHTING POLE BASE AND HANDHOLE DETAIL
NO SCALE

Tighe&Bond



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-DET1.dwg	
DRAWN BY:	DWB	
CHECKED BY:	ADF	
APPROVED BY:	DLL	

DETAILS - 6

SCALE: AS SHOWN

C-506