

Parking and Access to the Shanahan Recreational Fields

Applicant Information

Name of Applicant: Rebecca Oldham, Town Administrator

Name of Co-Applicant, if applicable: Annie Schindler

Contact Name: Rebecca Oldham

Mailing Address: 183 Main St, Groveland

Phone: 9778.556.7204

Email Address: roldham@grovelandma.com

Location of Project

Name of Project: Parking Creation at Shanahan Fields

Address of Project (or Assessor's parcel ID): 423 Main Street, Groveland

Funding Information

CPA Category (include all that apply):

Open Space

Historic Preservation

Recreation X

Community Housing

Project Cost

CPA Funding Requested: \$886,800

Total Cost of Proposed Project: \$886,800

Project Information

1. Description

Shanahan Field is primarily used by Groveland Youth Soccer, where parking is limited on site, forcing parents and children to park on the street, creating a dangerous traffic situation. This project proposes



to create designated parking and improve the vehicular circulation at the site to provide a safer environment for recreational field users. It also includes drainage, landscaping, and lighting.

The project was before Town Meeting in 2023 but was tabled because there was some confusion as to a civil dispute between neighbors. The property line dispute is between the neighbors and not the Town and the project does not propose to interfere with that dispute. The current plan takes into account the Knox House and its use by the Historical Society. It also allows us to expand further towards Rivers Edge in the future, if needed.

2. Goals

The goal is to provide safe access and parking for our recreational facilities.

3. Community Need

The site is the former location of the Shanahan School. The designated parking area is limited to the old school turnaround, which is unlined and not suitable for parking. With the existing layout, residents are forced to park on a busy street, and occasionally and unintentionally block the residential driveways along Main Street. Presently, there is no designated handicap parking, and the Town's Open Space and Recreation Plan specifically notes this as an issue. It also calls for improving general access to Shanahan Field. The creation of proper parking would improve the safety of residents and children who use the fields for soccer and other passive recreation opportunities along the Merrimack River. Soccer field parking can be grouped into three functions, each with different parking demands: practice (parking demand of about 15 vehicles per field), games/tournaments (parking demand of about 60 vehicles per field), and regional qualifying tournaments with non-local teams (parking demand of about 70-90 vehicles per field). It also needs to take into consideration games that are scheduled back-to-back and those leaving the field and those arriving at the field. The Soccer Association tries to limit this impact through scheduling, but it cannot always be avoided. The parking lot must have adequate circulation in between aisles to accommodate traffic that is leaving and arriving. It also must provide better ADA access throughout the site.

Additionally, this parking lot will provide designated parking near the newly completed Community Trail, which is .13 miles away and connected through the existing sidewalk. There are future parking spaces planned near the trail entrance at Main Street, but this does offer another parking opportunity to those already looking to walk and/or bike. But it is also important to leverage connections through existing infrastructure like trailways, complete streets and other multi-modal systems to provide easy access for bicyclists and pedestrians who visit the facility.

Lastly, parking on the sidewalk currently is illegal. See the below except from Section [§ 355-15\(B\)](#) of the general bylaw.

General parking prohibitions.

No person shall park a vehicle in any of the following places. Vehicles found in violation of the provisions of this section may be issued a violation tag, moved by or under the direction of a police officer, or both. If moved or towed, the moving or towing shall be at the expense of the owner.

A parking lot that is completely located within the site must be created, to make sure people will not continue to illegally park on the sidewalks adjacent to the property.

4. Community Support

This will directly benefit Groveland Youth Soccer, Groveland residents who use Shanahan Field, and those live in the area or travel through the area. This will also encourage the use of the fields and enhance activity at the site. Most notably it will provide parking for those who wish to access the trail along the Merrimack River and the Community Trail. The Comprehensive Master Plan survey found that residents would like the Town to focus on enhancing our current recreational locations and making them more accessible. This is also supported by surrounding neighbors who struggle during the soccer season with parking up and down Main Street, blocking access to driveways and vehicles that crowd the roadway. This project is also supported by public safety officials.

5. Timeline

The project will begin as soon as funding is available and will be coordinated around the use of the fields to limit impact. The engineer will finalize the plan and estimate and provide documents to put the project out to bid. A contractor will be awarded the contract and begin the work. The design engineer will oversee construction and ensure the project is constructed per plan.

6. Implementation

The project will be managed by Rebecca Oldham, Town Administrator, and Renny Carroll, Highway Superintendent. Both will be responsible for providing updates and status reports to the Committee. The engineering firm will perform construction monitoring.

7. Success Factors

The success of this project would be measured by reviewing the project scope, evaluating project specifications, analyzing the project budget, and reviewing use of the parking lot.

The newly designated parking area will accommodate those who use the field, but also ensure that the driveways along Main Street do not get blocked and field users can safely access the site. Success will additionally be measured by the decrease in street parking along Main Street during the soccer season.

8. Budget

See attached estimate. This includes full scale engineering.

9. Other Funding / Matching

N/A

10. Maintenance

Ongoing maintenance will be to maintain drainage and landscaping. This is currently the responsibility of the Highway Department with assistance from the youth leagues. The new parking lot will require the same partnership.

Shanahan Field

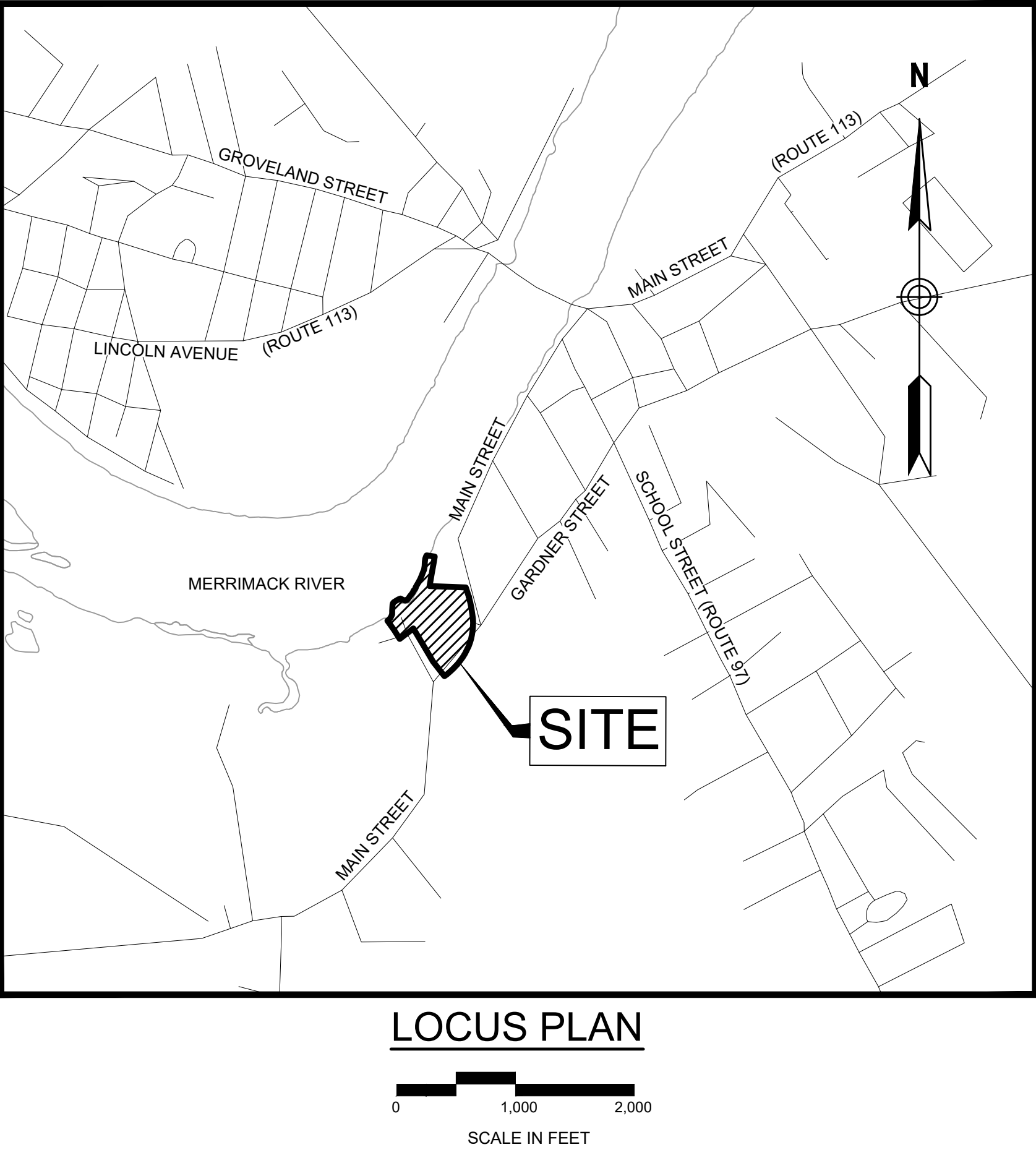
Site Plans

423 Main Street

Groveland, MA

Site Plans Index		
No.	Drawing Title	Latest Issue
C-1	Title & Index Sheet	December 15, 2023
C-2	Legend & General Notes	December 15, 2023
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C-4	Construction Plan	December 15, 2023
C-5	Construction Details	December 15, 2023
C-6	Construction Details	December 15, 2023

Reference Plans Index		
No.	Drawing Title	Latest Issue



TEC, Inc.
282 Merrimack Street
2nd Floor
Lawrence, MA 01843
978-794-1792

169 Ocean Blvd
PO Box 249
Hampton, NH 03842
603-601-8154

311 Main Street
2nd Floor
Worcester, MA 01608
508-868-5104

www.TheEngineeringCorp.com

DESIGNED BY	SNL
DRAWN BY	SNL
CHECKED BY	PFE
DATE	12/15/2023
SCALE	AS NOTED

PREPARED FOR
Town of Groveland
Highway Department
183 Main Street
Groveland, MA 01834

REVISIONS

ISSUED FOR
Permitting

PROJECT TITLE
Shanahan Field

PROJECT LOCATION
423 Main Street
Groveland, MA

DRAWING TITLE
Title &
Index Sheet

PROJECT NO.

TEC CAD FILE
Shanahan_Cover

DRAWING NO.
C-1

SHEET 1 OF 6

GENERAL NOTES

- CONTRACTOR SHALL NOTIFY DIG-SAFE (1-888-344-7233) AND THE LOCAL MUNICIPAL WATER & SEWER DEPT. AT LEAST 72 HOURS BEFORE EXCAVATING.
- PRIOR TO THE COMMENCEMENT OF GENERAL CONSTRUCTION, THE CONTRACTOR MUST INSTALL SOIL EROSION CONTROL AND ANY STORMWATER POLLUTION PREVENTION PLAN (SWPPP) MEASURES NECESSARY, AS INDICATED ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN AND IN ACCORDANCE WITH APPLICABLE AND/OR APPROPRIATE AGENCIES' GUIDELINES TO PREVENT SEDIMENT AND/OR LOOSE DEBRIS FROM WASHING ONTO ADJACENT PROPERTIES OR THE RIGHT OF WAY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS. A 6-FOOT TEMPORARY CHAINLINK FENCE SHALL BE PROVIDED AROUND ALL CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL LEAVE NO UNSECURED OPEN EXCAVATIONS.
- HANDICAP ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT/ARCHITECTURAL ACCESS BOARD (ADA/AAB), AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).
- WORK WITHIN THE RIGHT-OF-WAY MUST BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS AND STANDARDS OF THE DEPARTMENT OF PUBLIC WORKS, ENGINEERING DEPARTMENT, HIGHWAY DIVISION, AND/OR STATE DOT HIGHWAY DEPARTMENT.
- UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALK, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
- WHEN APPLICABLE, OWNER/ OPERATOR MUST FILE THE NOI FOR NPDES PERMITS AT APPROPRIATE AND/OR REQUIRED TIMEFRAMES BASED UPON THE DESIRED START OF CONSTRUCTION. LAND DISTURBING ACTIVITIES MUST NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED FROM GOVERNING AUTHORITIES (INCLUDING STORMWATER POLLUTION PREVENTION PLAN). THE CONTRACTOR MUST STRICTLY ADHERE TO THE APPROVED SWPPP PLAN DURING CONSTRUCTION OPERATIONS (IF PROVIDED).
- TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
- CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF-SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO THE OWNER.
- THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS AND IMMEDIATELY NOTIFY TEC, IN WRITING, IF ANY ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THESE PLANS, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
- THE CONTRACTOR MUST STRICTLY COMPLY WITH THESE NOTES AND ALL SPECIFICATIONS/REPORTS CONTAINED HEREIN. THE CONTRACTOR MUST ENSURE THAT ALL SUBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS, THESE NOTES, AND THE REQUIREMENTS ARTICULATED IN THE NOTES CONTAINED IN ALL THE OTHER DRAWINGS THAT COMPRISE THE PLAN SET OF DRAWINGS. ADDITIONAL NOTES AND SPECIFIC PLAN NOTES MAY BE FOUND ON THE INDIVIDUAL PLANS. THESE GENERAL NOTES APPLY TO THIS ENTIRE DOCUMENT PACKAGE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE, PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST CONFIRM WITH THE PROFESSIONAL OF RECORD AND TEC THAT THE LATEST EDITION OF THE DOCUMENTS AND/OR REPORTS REFERENCED WITHIN THE PLAN REFERENCES ARE BEING USED FOR CONSTRUCTION. THIS IS THE CONTRACTOR'S SOLE AND COMPLETE RESPONSIBILITY.

GENERAL DRAINAGE & UTILITY NOTES

- THE LOCATIONS, SIZES, AND TYPES OF EXISTING UNDERGROUND UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATION, SIZE, AND ELEVATION OF EXISTING UTILITIES.
- THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES BY USING A TEST PIT TO CONFIRM EXACT DEPTH, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT. FAILURE TO PROVIDE OR PERFORM THE ABOVE PRIOR TO PERFORMING ANY WORK SHALL NOT BE GROUNDS FOR EXTRA PAYMENTS TO THE CONTRACTOR.
- AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, CURBS, AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES, AND JOINTS.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED.
- UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE PAVEMENT FINISH GRADE UNLESS OTHERWISE NOTED.
- INSTALL ALL UTILITIES (INCLUDING CONCRETE PADS) PER UTILITY COMPANY, DPW, AND STATE STANDARDS.
- ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE EXACTLY AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND THE CONTRACTOR MUST COORDINATE SAME WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. WHEN THE PROJECT DOES NOT HAVE GEOTECHNICAL RECOMMENDATIONS, FILL AND COMPACTION MUST COMPLY WITH APPLICABLE REQUIREMENTS AND SPECIFICATIONS. THE PROFESSIONAL OF RECORD AND TEC ARE NOT RESPONSIBLE FOR DESIGN OF TRENCH BACKFILL OR FOR COMPACTION REQUIREMENTS.
- EXISTING TREES AND SHRUBS OUTSIDE THE LIMITS OF GRADING SHALL BE REMOVED ONLY UPON PRIOR APPROVAL OF THE OWNER.
- DURING THE INSTALLATION OF SANITARY, STORM, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE, IN ANY RESPECT, FROM THE INFORMATION CONTAINED IN THESE PLANS. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE APPROPRIATE PLAN(S), WHICH THE CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER IMMEDIATELY UPON THE COMPLETION OF WORK. THE CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SANITARY, WATER AND STORM SYSTEMS, ARE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND OR STATE DOT DETAILS AS APPLICABLE. THE CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.

- THE CONTRACTOR MUST ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS/REPORTS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT, AND ALL PROVISIONS IN AND CONDITIONS OF THE CONSTRUCTION CONTRACT WITH THE OWNER/DEVELOPER INCLUDING ALL EXHIBITS, ATTACHMENTS AND ADDENDA TO SAME.
- CONTRACTOR MUST REFER TO AND ENSURE COMPLIANCE WITH THE APPROVED ARCHITECTURAL BUILDING PLANS OF RECORD FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.
- THE CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND MEASUREMENTS SHOWN ON THESE PLANS, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE PROFESSIONAL OF RECORD AND TEC, IN WRITING, IF ANY CONFLICTS, DISCREPANCIES, OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE RE-DONE OR REPAIRED DUE TO DIMENSIONS, MEASUREMENTS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO BOTH (A) THE CONTRACTOR GIVING THE PROFESSIONAL OF RECORD AND TEC WRITTEN NOTIFICATION OF SAME AND (B) PROFESSIONAL OF RECORD AND TEC, THEREAFTER, PROVIDING THE CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.
- ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, EXCEPT WHEN DIMENSION IS TO A PROPERTY LINE, STAKE OUT OF LOCATIONS OF INLETS, LIGHT POLES, ETC. MUST BE PERFORMED IN STRICT ACCORDANCE WITH THE DETAILS, UNLESS NOTED CLEARLY OTHERWISE.
- THE CONTRACTOR MUST EXERCISE EXTREME CAUTION WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONDITION. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ALL APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, UTILITIES, BUILDINGS, AND INFRASTRUCTURE WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA FOR THIRD PARTIES, PEDESTRIANS AND ANYONE INVOLVED WITH THE PROJECT.
- WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL WIDTHS DO NOT REPRESENT THE ACTUAL WIDTH OF THE PROPOSED WALL, RATHER THEY ARE AN ASSUMPTION BASED ON WALL TYPE AND WALL HEIGHT. WALL FOOTINGS AND /OR FOUNDATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO BE SET/DETERMINED BY THE CONTRACTOR OR WALL DESIGNER, AND MUST BE SET BASED UPON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS. THE CONTRACTOR MUST ENSURE THAT AN APPROPRIATELY LICENSED PROFESSIONAL DESIGNS ALL WALLS SHOWN HEREON AND PRIOR TO CONSTRUCTION. REFER TO GRADING NOTES REGARDING RETAINING WALL DESIGN.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN RECORDS TO DEMONSTRATE PROPER AND FULLY COMPLIANT DISPOSAL ACTIVITIES, TO BE PROMPTLY PROVIDED TO THE OWNER UPON REQUEST.
- THE CONTRACTOR MUST REPAIR, AT THE CONTRACTOR'S SOLE COST, ALL DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. AND MUST BEAR ALL COSTS ASSOCIATED WITH THE SAME TO INCLUDE, BUT NOT BE LIMITED TO, REDESIGN, RE-SURVEY, RE-PERMITTING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR AND MUST REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY MUST RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE CONDITIONS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION, AND IN CONFORMANCE WITH APPLICABLE CODES, LAWS, RULES, REGULATIONS, STATUTORY REQUIREMENTS AND STATUTES. THE CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE CONTRACTOR MUST, PROMPTLY, DOCUMENT ALL EXISTING DAMAGES AND NOTIFY, IN WRITING, THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.

- ALL WORK ASSOCIATED WITH UTILITY POLES, OVERHEAD WIRES AND ANY/ALL APPURTENANCES SHALL BE COORDINATED BY THE GC WITH THE LOCAL UTILITY COMPANIES PRIOR TO THE ORDERING OF ANY MATERIALS. THIS MAY INCLUDE BUT IS NOT LIMITED TO THE REMOVAL, INSTALLATION, RELOCATION OR PROTECTION OF ANY BRACING, GUY WIRES, OVERHEAD WIRES, ETC. AS MAY BE REQUIRED TO ACCOMMODATE THE PROJECT.
- ALL SANITARY SEWER PIPE SHALL BE SDR-35 PVC UNLESS OTHERWISE NOTED.
- INSULATE SANITARY PIPE WHERE INVERT DEPTH IS LESS THAN FIVE (5) FEET BELOW FINISHED GRADE.
- CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION (AT NO ADDITIONAL COST TO THE OWNER) BY THE CONTRACTOR.
- STORM AND SANITARY PIPE LENGTHS INDICATED ARE NOMINAL AND ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS INDICATED ON THE PLANS OTHERWISE.
- ALL WATER AND SEWER UTILITY WORK SHALL CONFORM TO LOCAL DPW, WATER DIVISION SPECIFICATIONS, DETAILS, RULES AND REGULATIONS AND HAVE FIVE (5) FEET OF MINIMUM COVER. GAS, ELECTRIC, AND TELEPHONE LOCATIONS AND ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY THE APPROPRIATE UTILITY COMPANIES.
- UNLESS INDICATED OTHERWISE, ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC., MUST BE INSTALLED UNDERGROUND. ALL NEW UTILITY SERVICES MUST BE INSTALLED IN ACCORDANCE WITH THE UTILITY SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
- STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON ARCHITECTURAL PLANS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF SAME BASED UPON FINAL ARCHITECTURAL PLANS.
- FIRE ALARM CONNECTION LOCATIONS AND ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY THE FIRE DEPARTMENT OR BUILDING INSPECTOR.
- THE CONTRACTOR SHALL REMOVE ALL EROSION CONTROL BARRIERS AFTER REVEGETATION OF DISTURBED AREAS AND AFTER APPROVAL BY THE LOCAL APPROVING AUTHORITY.
- EXCAVATION REQUIRED IN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL SCHEDULE THEIR WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURBS MAY RETAIN RUNOFF PRIOR TO APPLICATION OF THE FINISH SUBGRADE AND/OR SURFACE PAVING.
- WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER COMPANY. IN THE ABSENCE OF SUCH REQUIREMENTS, WATER MAIN PIPING MUST BE CEMENT-LINED DUCTILE IRON (DIP) MINIMUM CLASS 52 THICKNESS. ALL PIPE AND APPURTENANCES MUST COMPLY WITH THE APPLICABLE AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION.
- GAS METERS MUST BE PROTECTED AS REQUIRED BY THE JURISDICTIONAL GAS PROVIDER.

- WHEN IT IS CLEARLY AND SPECIFICALLY WITHIN TEC'S SCOPE OF SERVICES CONTRACT WITH THE OWNER/DEVELOPER, TEC WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF EVALUATING CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND TEC HAS NO RESPONSIBILITY OR LIABILITY FOR SAME. TEC WILL PERFORM ITS SHOP DRAWING REVIEW WITH REASONABLE PROMPTNESS, AS CONDITIONS ANY DOCUMENT, DOCUMENTING TEC'S REVIEW OF A SPECIFIC ITEM OR LIMITED SCOPE, MUST NOT INDICATE THAT TEC HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. TEC IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR MUST, IN WRITING, PROMPTLY AND IMMEDIATELY BRING ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS TO TEC'S ATTENTION. TEC IS NOT REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
- IF THE CONTRACTOR DEVIATES FROM THESE PLANS AND/OR SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE PROFESSIONAL OF RECORD AND TEC FOR ALL DEVIATIONS WITHIN THE PROFESSIONAL OF RECORD'S AND TEC SCOPE, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK PERFORMED WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, MUST DEFEND, INDEMNIFY, PROTECT, AND HOLD HARMLESS THE PROFESSIONAL OF RECORD AND TEC PARTIES TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, CLAIMS, INJURIES, PENALTIES AND THE LIKE RELATED TO SAME.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING THE TRAFFIC CONTROL PLAN AND ELEMENTS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE RIGHT OF WAY OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE AND IS THE CONTRACTOR'S SOLE RESPONSIBILITY.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL RULES AND REGULATIONS, LAWS, ORDINANCES, AND CODES, AND ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (29 U.S.C. 651 ET SEQ.) AS AMENDED, AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN AN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS OR LOCAL GOVERNING AGENCY FOR SITES WHERE ONE (1) ACRE OR MORE IS DISTURBED BY CONSTRUCTION ACTIVITIES (UNLESS THE LOCAL JURISDICTION REQUIRES A DIFFERENT THRESHOLD). THE CONTRACTOR MUST ENSURE THAT ALL ACTIVITIES, INCLUDING THOSE OF ALL SUBCONTRACTORS, ARE IN COMPLIANCE WITH THE SWPPP, INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE AND FURTHER, THE CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR FAILING TO DO SO.

ABBREVIATIONS

GENERAL		UTILITIES	
ABAN	ABANDON	ACCOMP	ASPHALT COATED CORRUGATED METAL PIPE
AC	ACRES	AD	AREA DRAIN
ADJ	ADJUST	BC	BOTTOM OF CHANNEL
APPROX	APPROXIMATE	CB	CATCH BASIN
BB	BITUMINOUS CONCRETE BERM	CAP	CORRUGATED ALUMINUM PIPE
BIT	BITUMINOUS	CATV	CABLE TELEVISION
BLDG	BUILDING	CIP	CAST IRON PIPE
BND	BOUNDARY	CIT	CHANGE IN TYPE
BO	BY OTHERS	CLDI	CEMENT-LINED DUCTILE IRON
BOS	BOTTOM OF SLOPE	COND	CONDUIT
BS	BOTTOM OF STAIRS	DCB	DOUBLE CATCH BASIN
BR	BOTTOM OF RAMP	DIP	DUCTILE IRON PIPE
CC	CONCRETE CURB	DMH	DRAINAGE MANHOLE
CCB	CEMENT CONCRETE BERM	ETC	ELECTRIC, TELEPHONE, & CABLE
CEM	CEMENT	F&G	FRAME AND GRATE
CI	CURB INLET	F&C	FRAME AND COVER
CLF	CHAIN LINK FENCE	FES	FLARED END SECTION
CIT	CHANGE IN TYPE	GG	GAS GATE
CONC	CONCRETE	HDPE	HIGH DENSITY POLYETHYLENE PIPE
CW	CROSSWALK	HH	HANDHOLE
DIA	DIAMETER	HYD	HYDRANT
ELEV	ELEVATION	INV	INVERT ELEVATION
EOP	EDGE OF PAVEMENT	OHW	OVERHEAD WIRE
EXIST	EXISTING	PVC	POLYVINYL CHLORIDE PIPE
FFE	FIRST FLOOR ELEVATION	PWW	PAVED WATER WAY
FND	FOUNDATION	RCP	REINFORCED CONCRETE PIPE (CLASS III)
FDC	FIRE DEPT. CONNECTION	RM	RIM ELEVATION
GC	GRANITE CURB	SMH	SEWER MANHOLE
GE	GRANITE EDGING	TD	TRENCH DRAIN
HMA	HOT MIX ASPHALT	TFMR	TRANSFORMER
LA	LANDSCAPE AREA	TSV	TAPPING SLEEVE AND VALVE
LF	LINEAR FEET	UP	UTILITY POLE
MAX	MAXIMUM	VCP	VITRIFIED CLAY PIPE
MCC	MONOLITHIC CONCRETE CURB	WG	WATER GATE
MGC	MOUNTABLE GRANITE CURB	WSO	WATER SHUT OFF
MIN	MINIMUM		
NOT	NOT TO SCALE		
NTS	PRECAST CONCRETE CURB		
PROP	PROPOSED	CC	CENTER OF CURVE
PVMT	PAVEMENT	PC	POINT OF CURVE
R	RADIUS	PCC	POINT OF COMPOUND CURVE
REM	REMOVE	PI	POINT OF INTERSECTION
REMOD	REMODEL	PNT	POINT
RET	RETAIN	PRC	POINT OF REVERSE CURVE
R&R	REMOVE AND RESET	PT	POINT OF TANGENT
R&S	REMOVE AND STACK		
S	SLOPE		
SF	SQUARE FEET		
SW	SIDEWALK		
SWL	SOLID WHITE LINE		
SGC	SLOPED GRANITE CURB		
TOS	TOP OF SLOPE		
TS	TOP OF STAIRS		
TR	TOP OF RAMP		
TYP	TYPICAL		
UON	UNLESS OTHERWISE NOTED		
VGC	VERTICAL GRANITE CURB		
WCR	WHEELCHAIR RAMP		

GENERAL SYMBOLS

EXISTING	PROPOSED	
		CATCH BASIN
		SILT SACK WITHIN CATCH BASIN
		DOUBLE CATCH BASIN
		DRAIN MANHOLE
		SEWER MANHOLE
		COMBINED SEWER MANHOLE
		OIL WATER SEPARATOR
		ELECTRIC MANHOLE
		TELEPHONE MANHOLE
		CATV MANHOLE
		UNKNOWN STRUCTURE
		HANDHOLE
		BOLLARD
		WATER GATE
		WATER SHUT OFF
		FIRE HYDRANT
		GAS GATE
		STREET SIGN
		WALL MOUNTED SIGN
		LIGHT POLE
		WALL MOUNTED LIGHT
		UTILITY POLE
		GUY POLE
		GUY WIRE
		MONITORING WELL
		TEST PIT (W/ I.D.)
		AREA DRAIN
		DRAINAGE CLEANOUT
		POST INDICATOR VALVE
		EDGE OF PAVEMENT
		MONOLITHIC CONCRETE CURB
		GRANITE CURB
		GRANITE EDGING
		BITUMINOUS BERM
		GUARDRAIL - METAL POSTS
		GUARD RAIL - WOODEN POSTS
		CHAIN LINK FENCE
		DRAINAGE LINE
		SEWER LINE
		WATER LINE
		GAS LINE
		TELEPHONE/CATV CONDUIT
		ELECTRIC CONDUIT
		OVERHEAD WIRE
		STONE WALL
		TREE LINE
		FEMA ZONE X (AREA OF MINIMAL FLOOD HAZARD)
		MAJOR CONTOUR
		MINOR CONTOUR
		ENTRANCE/EXIT PEDESTRIAN DOOR
		LOADING DOCK DOOR
		OVERHEAD DOOR
		FUTURE USE ENTRANCE/EXIT PEDESTRIAN DOOR
		CONCRETE PAVEMENT
		PEDESTRIAN CURB RAMP (TYPE NOTED)
		ELEVATOR
		FLARED END SECTION
		CROSSWALK, 12" WHITE LINE (WIDTH NOTED)
		STOP LINE, 12" WHITE LINE 4" BEHIND CW (TYP.)
		SOLID WHITE LINE/SOLID WHITE LANE LINE-4"
		BROKEN WHITE LANE LINE-4"
		DOTTED WHITE LANE LINE-4"
		SOLID YELLOW LINE-4"
		DOUBLE YELLOW CENTER LINE- 2-4" LINES
		ADA-ACCESSIBLE PARKING SPACE
		ELECTRIC VEHICLE

PAVEMENT MARKINGS AND SIGNING SYMBOLS

EXISTING	PROPOSED	
		CW
		SL
		SWL, SWLL
		BWLL
		DWLL
		SYL
		DYCL
		EV



TEC, Inc.
282 Merrimack Street 2nd Floor Lawrence, MA 01843 978-794-1792
169 Ocean Blvd PO Box 249 Hampton, NH 03842 603-601-8154
311 Main Street 2nd Floor Worcester, MA 01608 508-868-5104

www.TheEngineeringCorp.com

DESIGNED BY	SNL
DRAWN BY	SNL
CHECKED BY	PFE
DATE	12/15/2023
SCALE	N.T.S.

PREPARED FOR

Town of Groveland
Highway Department
183 Main Street
Groveland, MA 01834

REVISIONS

ISSUED FOR

Permitting

PROJECT TITLE

Shanahan Field

PROJECT LOCATION

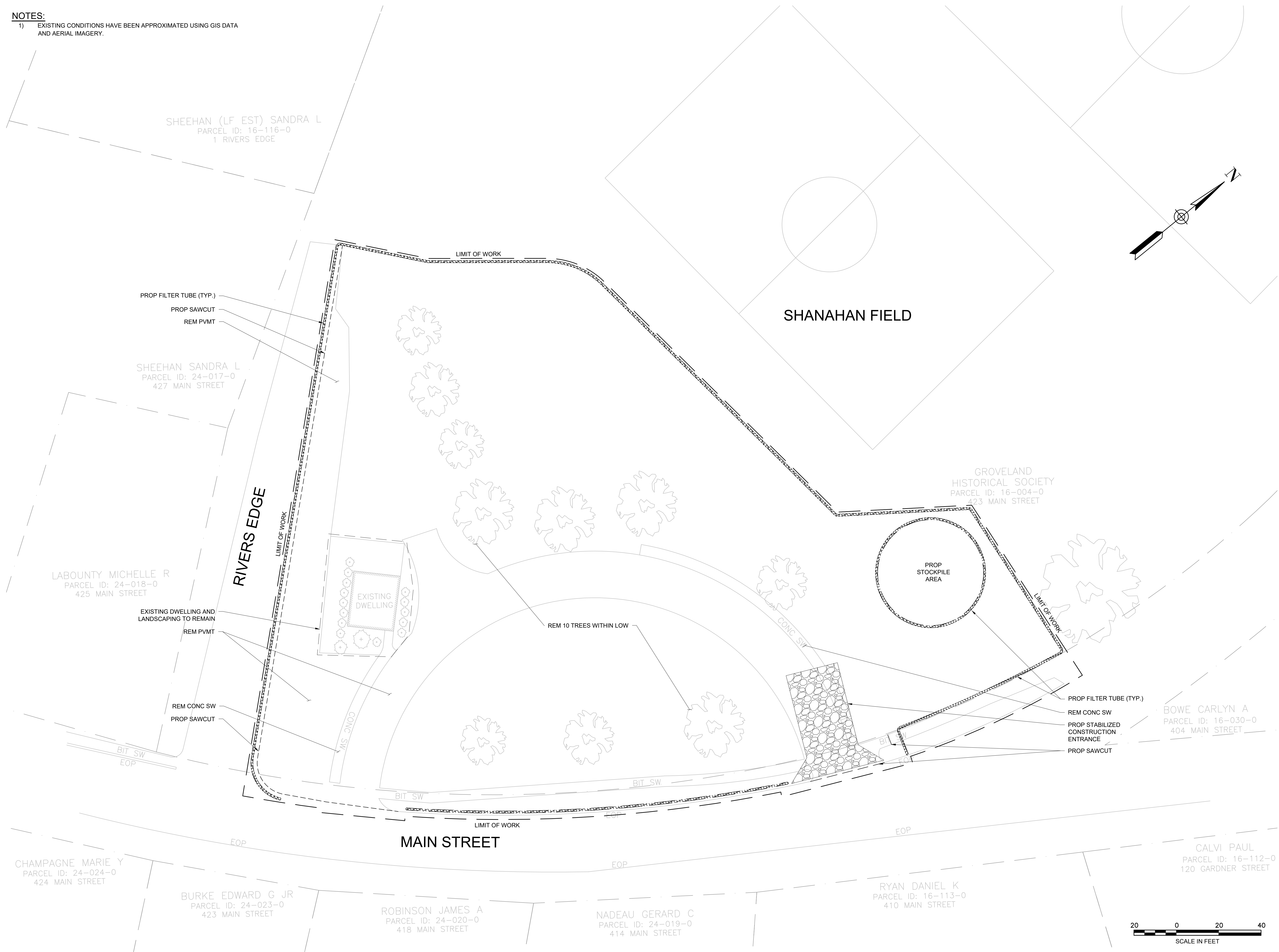
423 Main Street
Groveland, MA

DRAWING TITLE

Legend &
General Notes

PROJECT NO.	
TEC CAD FILE	
Shanahan_Legend	
DRAWING NO.	C-2
SHEET 2 OF 6	

1) EXISTING CONDITIONS HAVE BEEN APPROXIMATED USING GIS DATA AND AERIAL IMAGERY.



DESIGNED BY	SNL
DRAWN BY	SNL
CHECKED BY	PFE
DATE	12/15/2023
SCALE	1"=20'

PREPARED FOR

Town of Groveland
Highway Department
183 Main Street
Groveland, MA 01834

REVISIONS

ISSUED FOR

Permitting

PROJECT TITLE
Shanahan Field

PROJECT LOCATION

423 Main Street
Groveland, MA

DRAWING TITLE

Erosion Control & Demolition Plan

PROJECT NO.

TEC CAD FILE

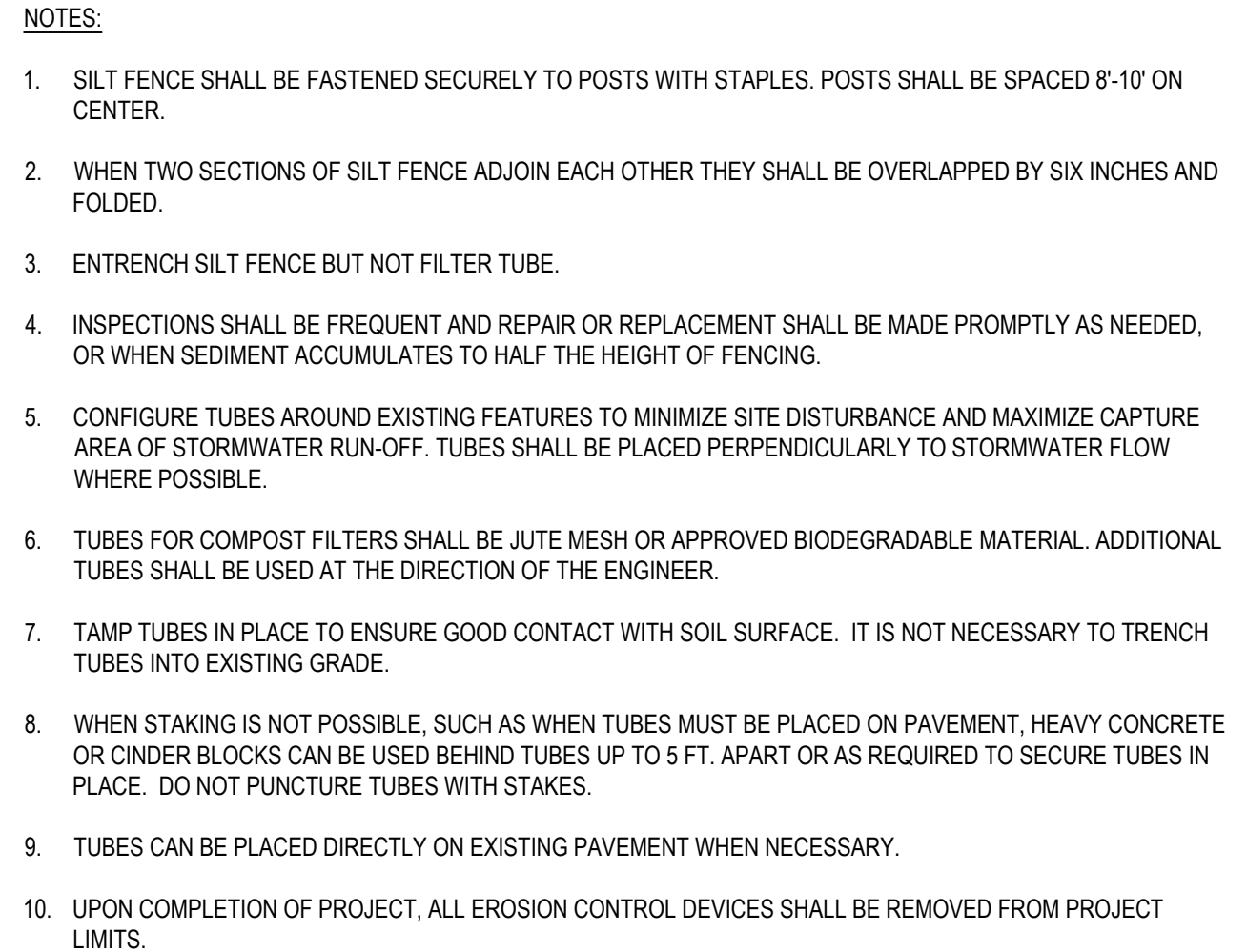
Shanahan_ER&DEMO

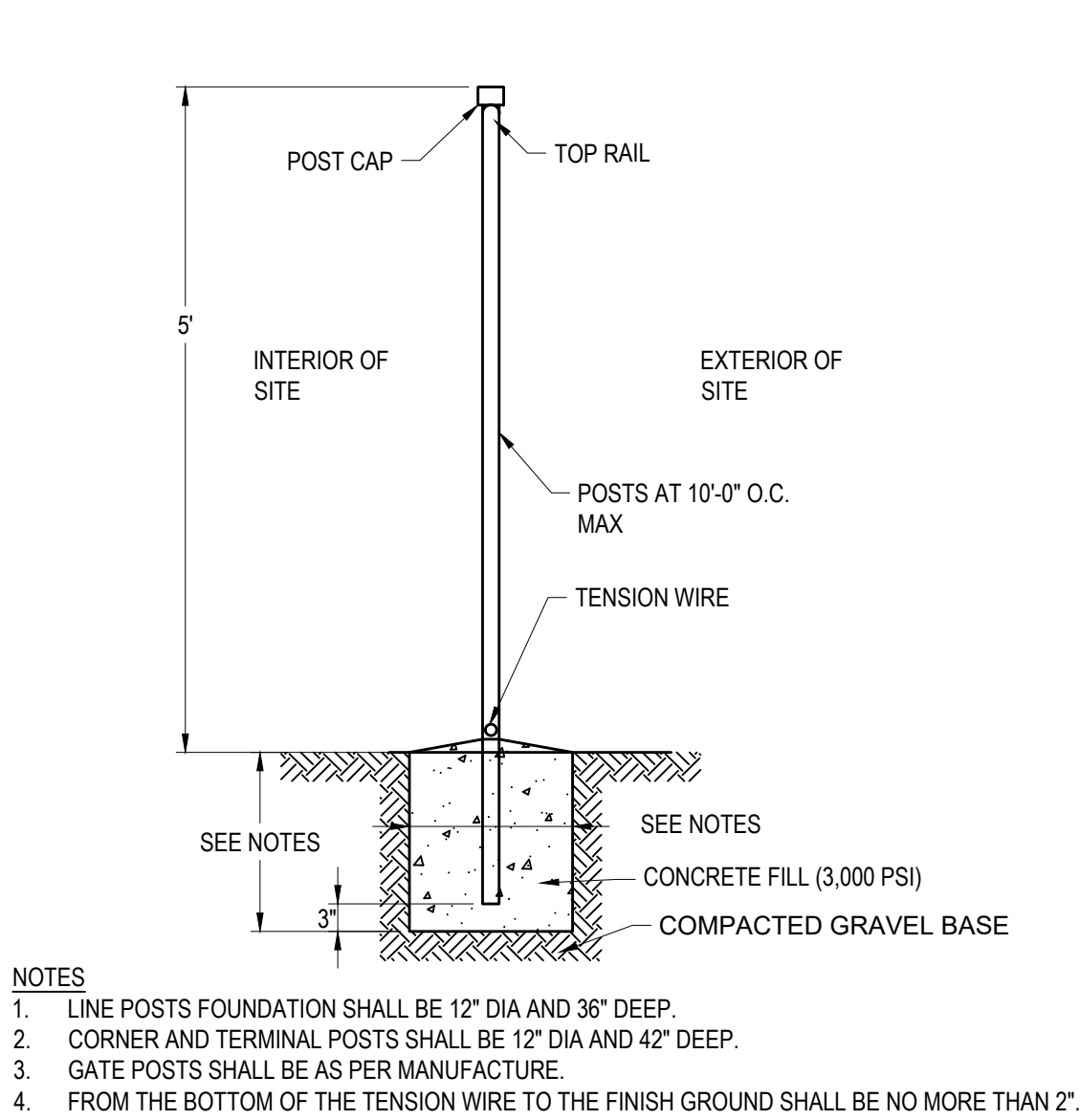
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C-3

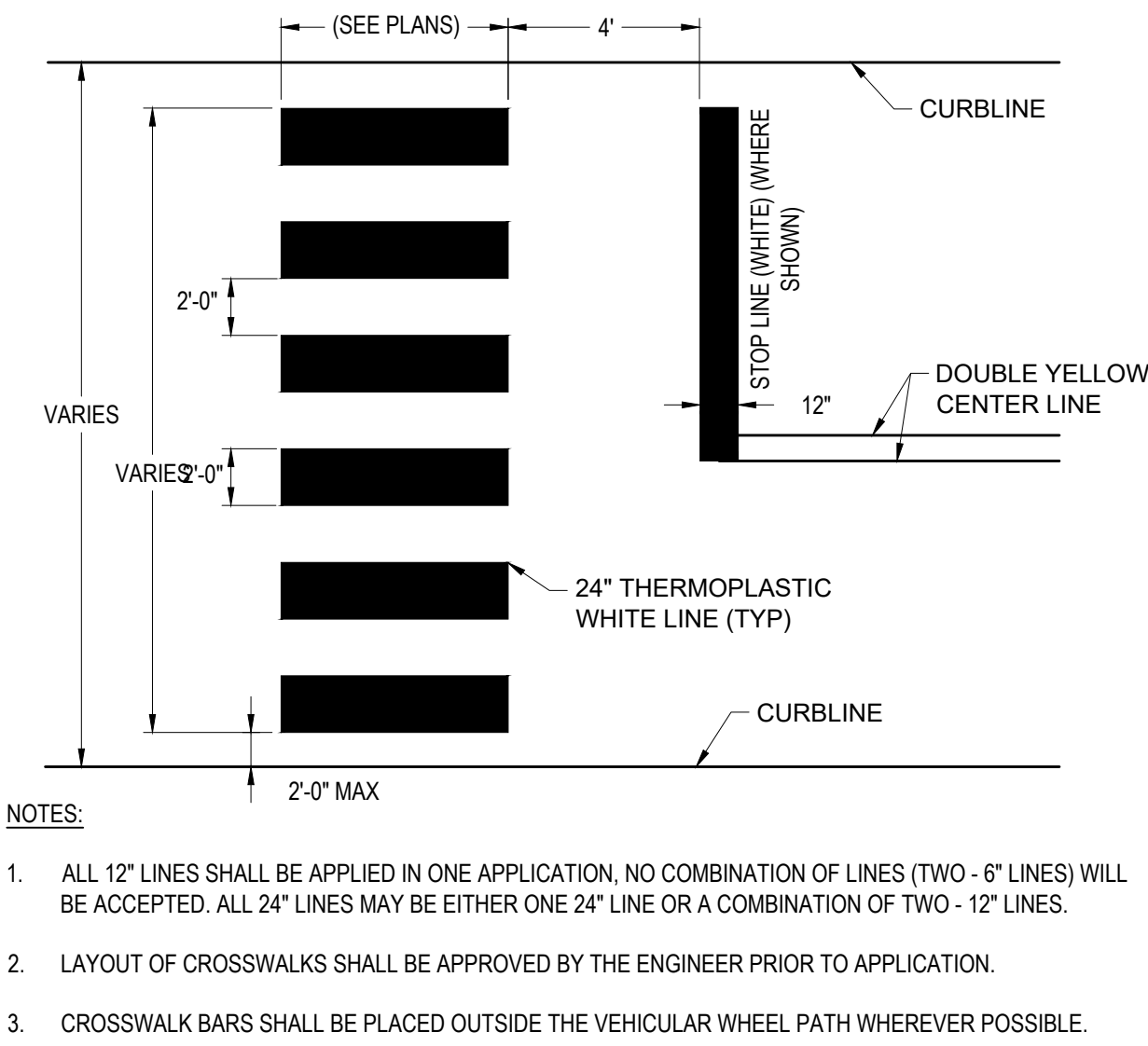
SHEET 3 OF 6

NOT FOR CONSTRUCTION

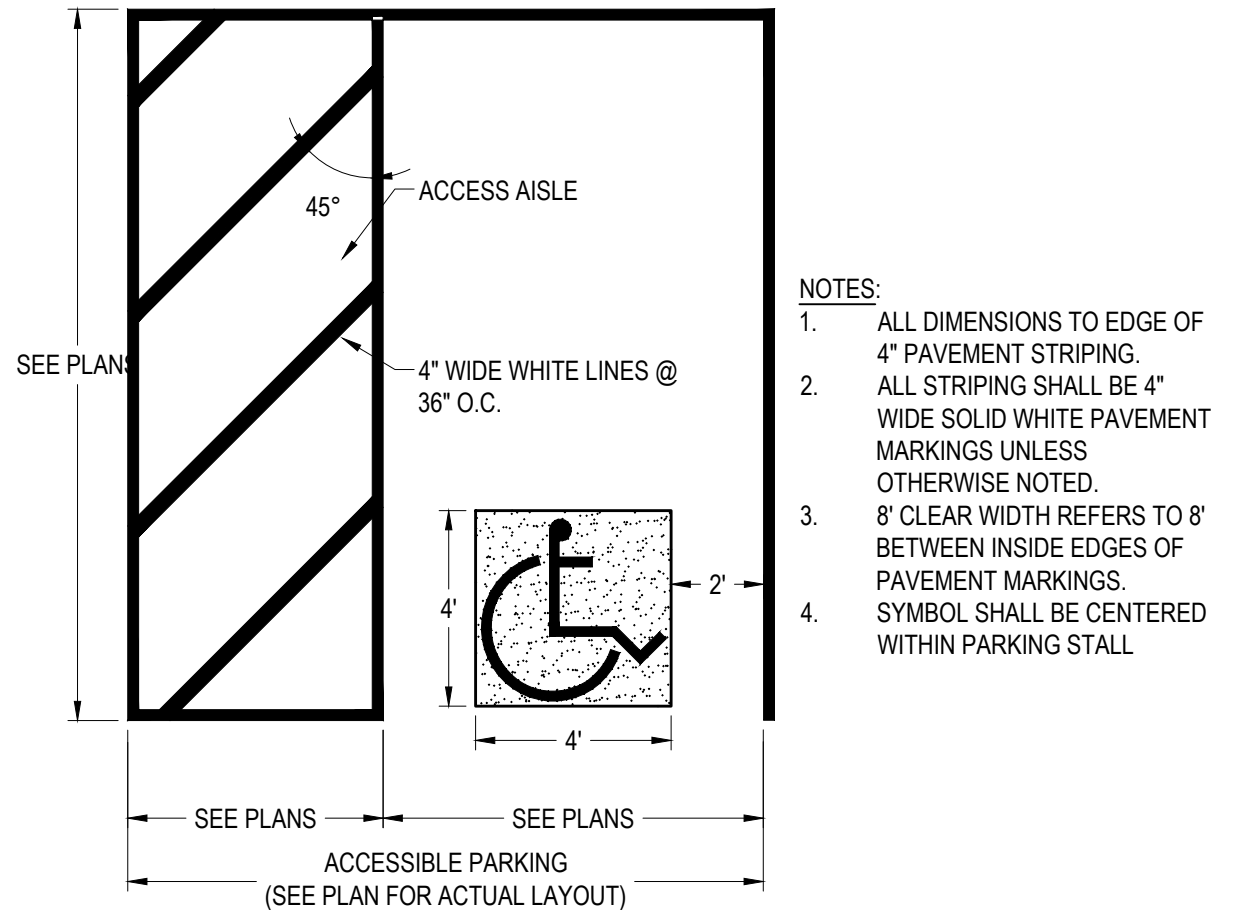




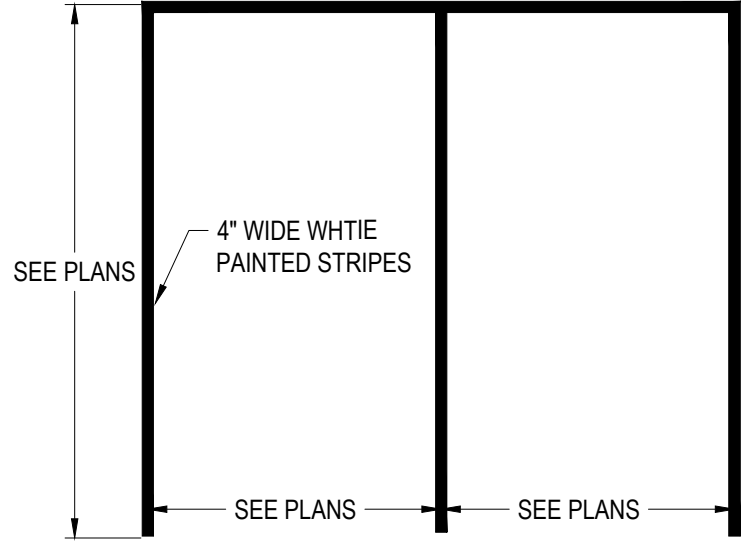
INTERIOR FENCE
N.T.S.



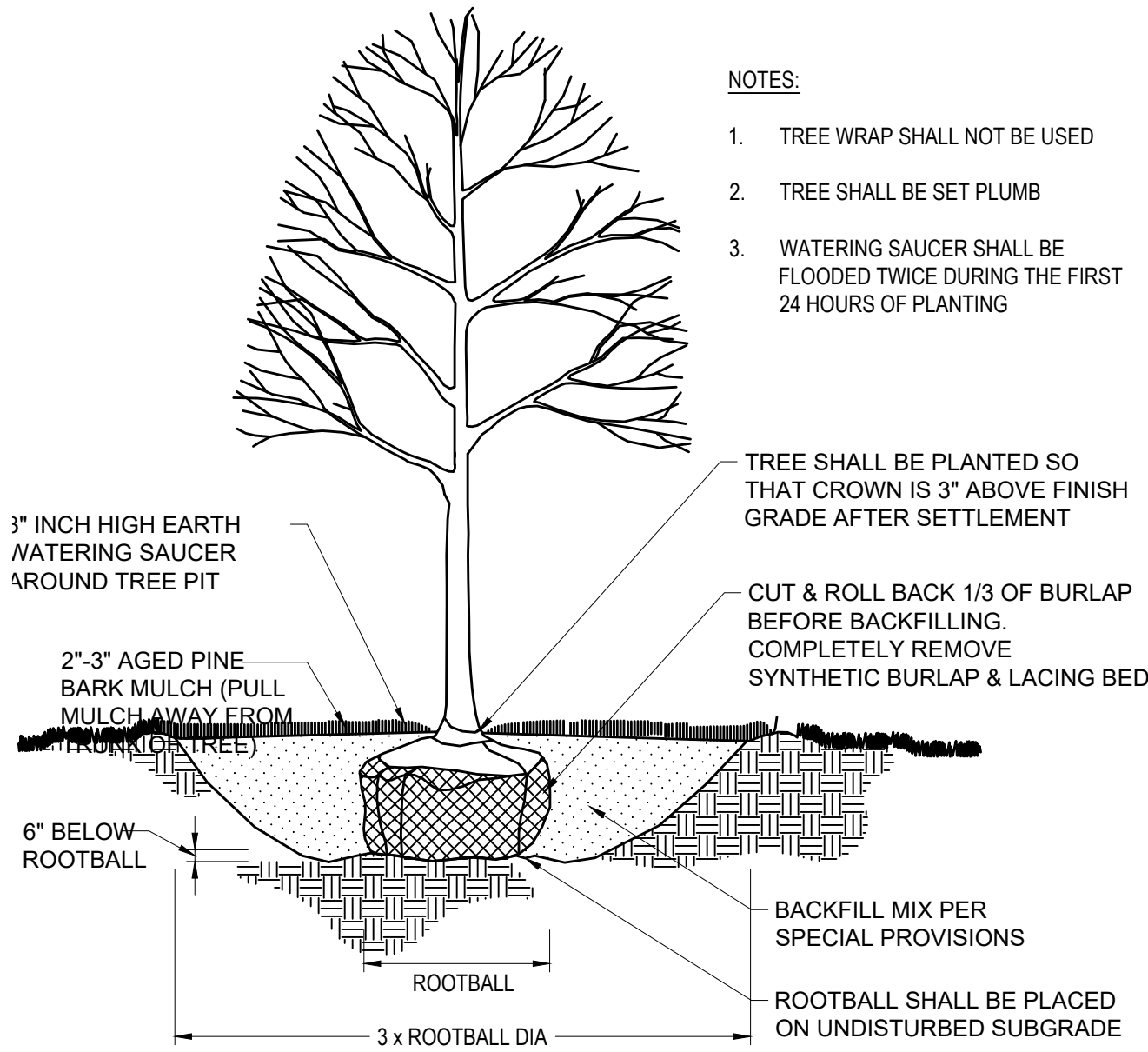
CROSSWALK PAVEMENT MARKING
N.T.S.



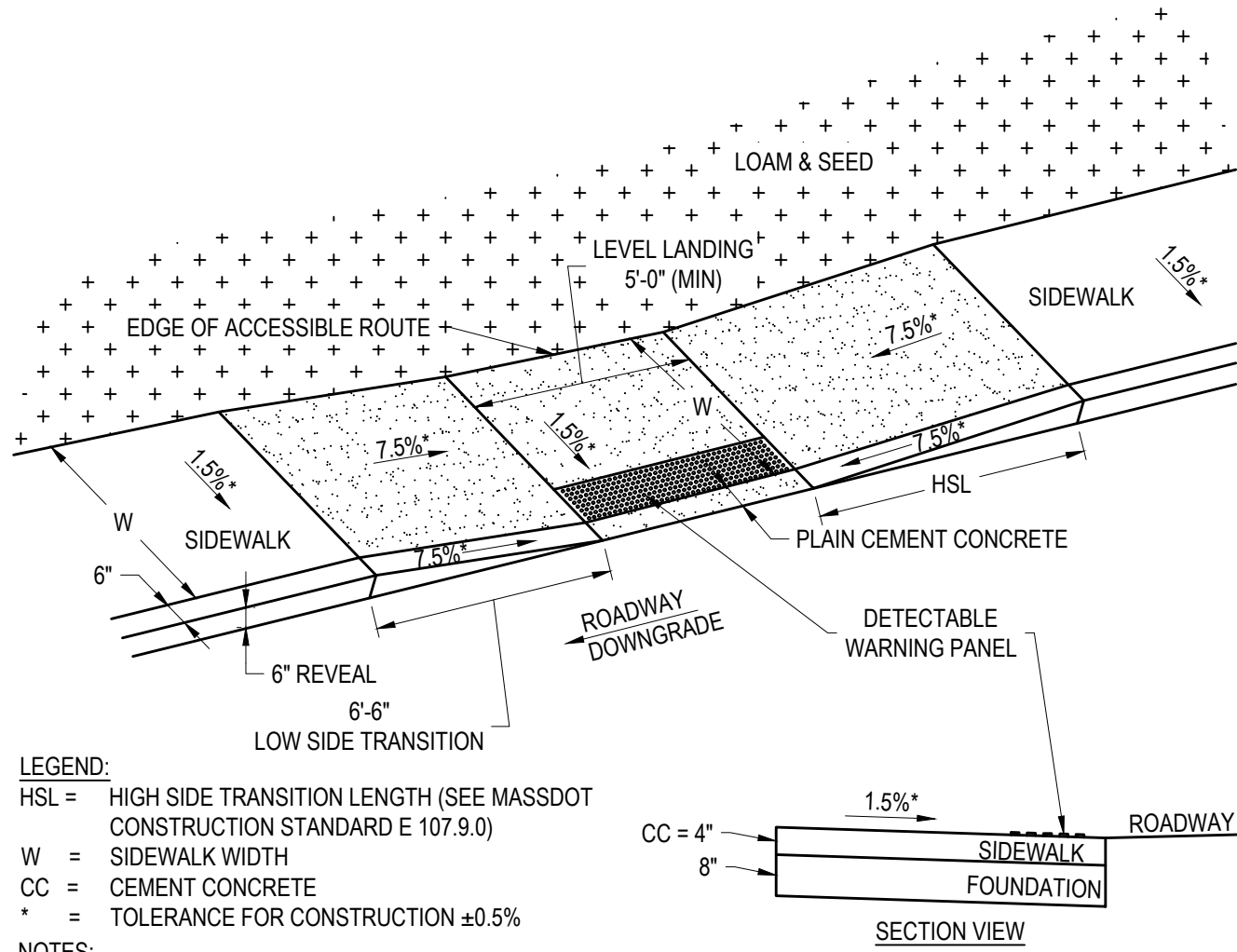
ACCESSIBLE PARKING SPACE
N.T.S.



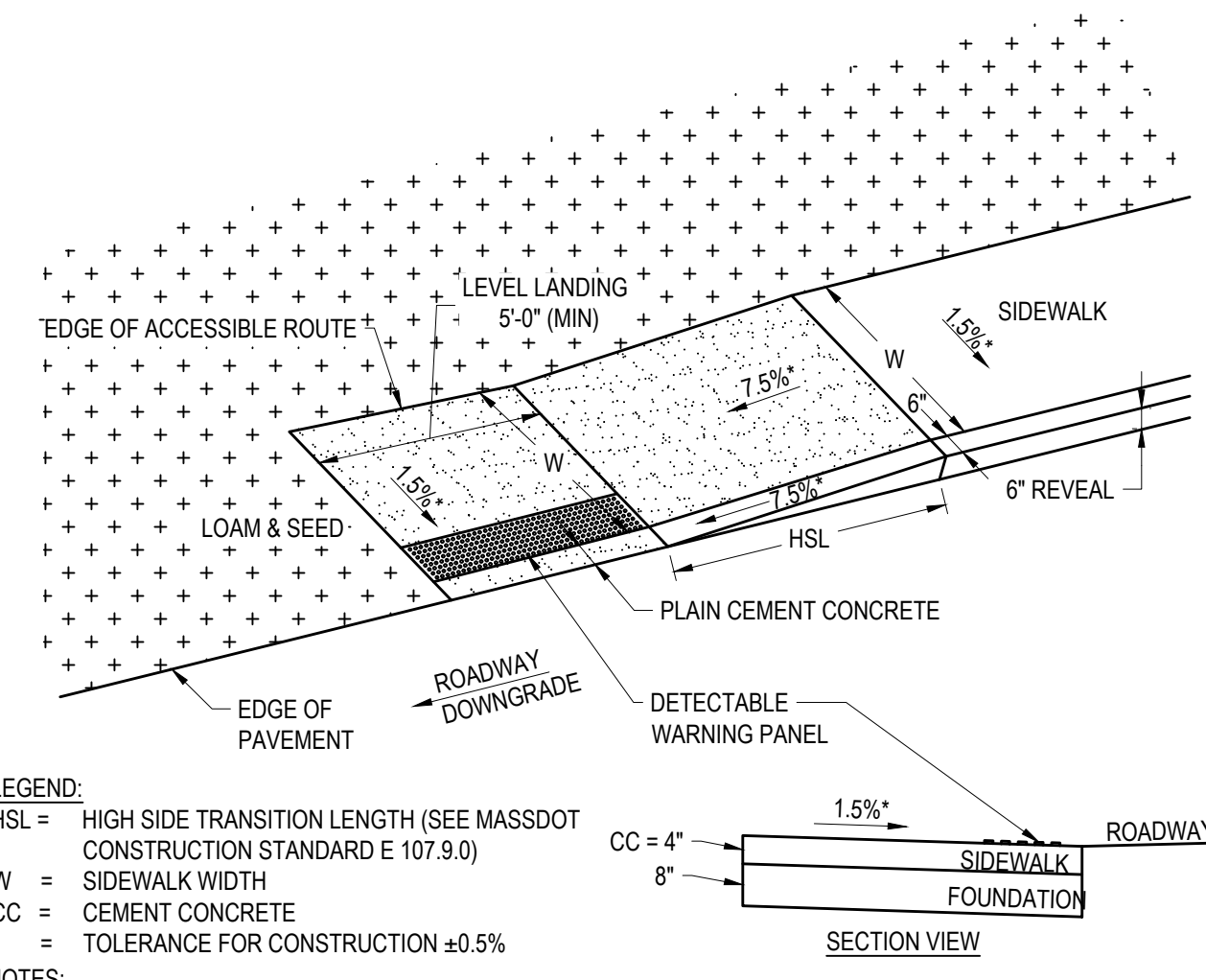
PARKING PAVEMENT MARKING
N.T.S.



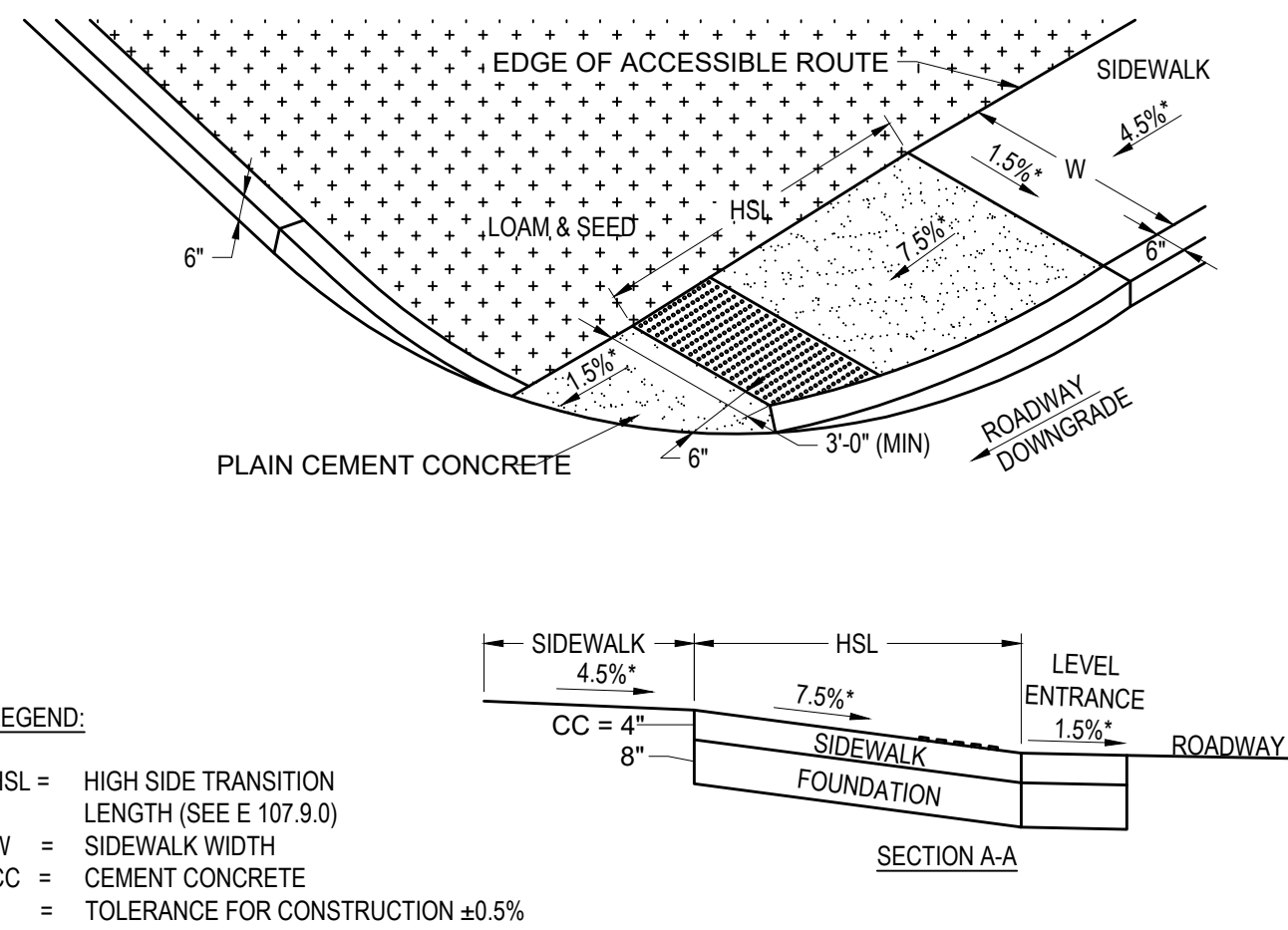
DECIDUOUS TREE PLANTING
N.T.S.



WHEELCHAIR RAMP
N.T.S.



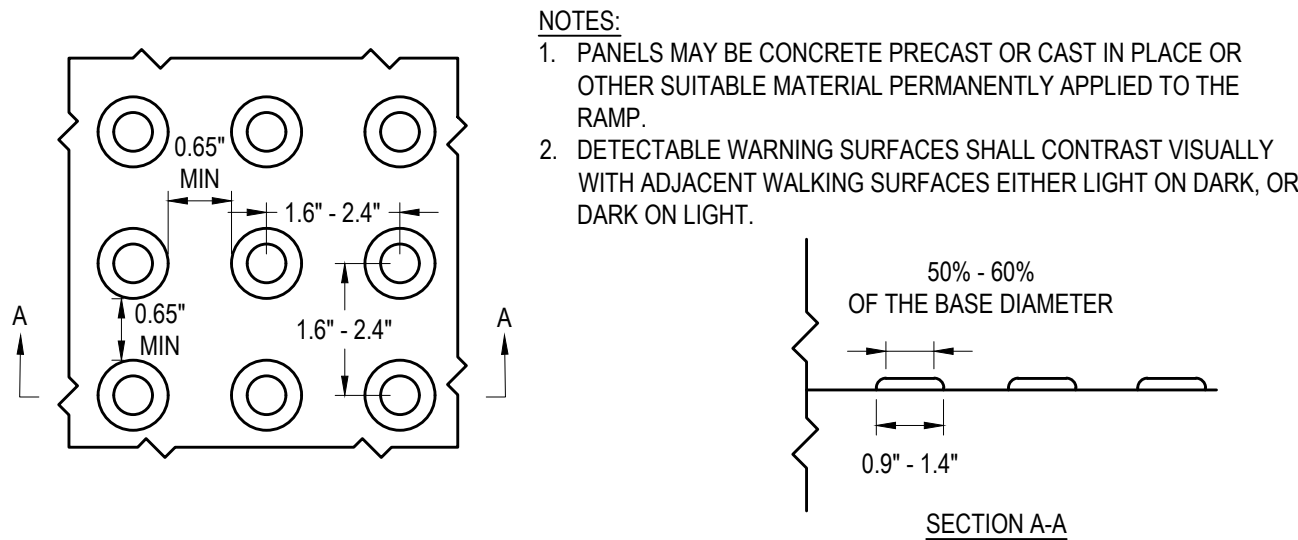
WHEELCHAIR RAMP
N.T.S.



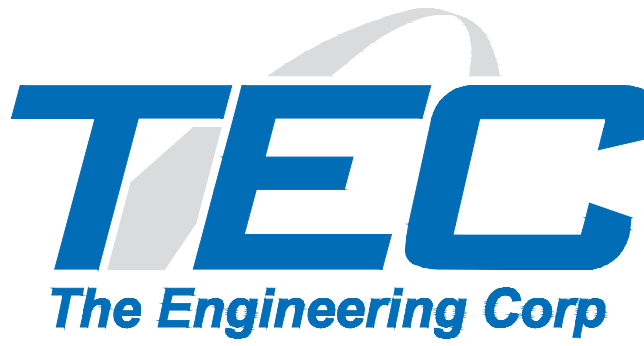
WHEELCHAIR RAMP
N.T.S.

- WHEELCHAIR RAMP NOTES:
1. MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE DESIGNED TO 4.5% ±0.5% (7.5% ±0.5% FOR CURB RAMPS)
 2. A MINIMUM OF 3'-0" CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
 3. CURB TREATMENT VARIES. SEE PLANS FOR CURB TYPE.
 4. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
 5. WHERE ACCESSIBLE ROUTES ARE LESS THAN 8' IN WIDTH (EXCLUDING CURBING) A 5x5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FT.
 6. ELIMINATE CURBING AT RAMP WHERE IT ABUTS ROADWAY.
 7. DETECTABLE WARNING PANELS ARE REQUIRED ON ALL OF THE PROPOSED WHEELCHAIR RAMPS AND ARE TO BE INSTALLED IN ACCORDANCE WITH CONSTRUCTION STANDARD E 107.6.5 (JUNE 2014). CONTRACTOR SHALL PROVIDE 6" BETWEEN DETECTABLE WARNING PANEL AND EDGE OF CONCRETE WHERE IT ABUTS LOAM & SEED.
 8. WHEELCHAIR RAMP SLOPES AND CROSS SLOPES SHALL HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.
 9. DETECTABLE WARNING PANELS SHALL BE BRICK RED OR YELLOW IN COLOR AS APPROVED BY THE LOCAL DPW.

WHEELCHAIR RAMP NOTES
N.T.S.



DETECTABLE WARNING PANEL
N.T.S.



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Worcester, MA 01608
508-868-5104

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DESIGNED BY	SNL
DRAWN BY	SNL
CHECKED BY	PFE
DATE	12/15/2023
SCALE	N.T.S.

PREPARED FOR
Town of Groveland
Highway Department
183 Main Street
Groveland, MA 01834

REVISIONS
ISSUED FOR Permitting

PROJECT TITLE
Shanahan Field

PROJECT LOCATION
423 Main Street
Groveland, MA

DRAWING TITLE
Construction Details

PROJECT NO.
TEC CAD FILE
Shanahan_Details
DRAWING NO.
C-6
SHEET 6 OF 6

CONSTRUCTION COST ESTIMATE

DATE: 12/15/2023

DESCRIPTION: Shanahan Field Parking Lot

LOCATION: Shanahan Field, Main St, Groveland

ESTIMATOR: SNL

TEC PROJ. #: P2023

DESIGN STAGE: CONCEPT

CHECKED BY: PFE

SPEC	ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
	103	TREE REMOVED - DIAMETER UNDER 24 INCHES	EA	\$2,200.00	7	\$15,400.00
	104	TREE REMOVED - DIAMETER 24 INCHES AND OVER	EA	\$4,100.00	3	\$12,300.00
	120.1	UNCLASSIFIED EXCAVATION	CY	\$65.00	750	\$48,750.00
	151	GRAVEL BORROW	CY	\$60.00	1700	\$102,000.00
	156	CRUSHED STONE	TON	\$65.00	95	\$6,175.00
	170	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY	\$9.50	4210	\$39,995.00
	201	CATCH BASIN	EA	\$6,250.00	7	\$43,750.00
	202	MANHOLE	EA	\$5,900.00	5	\$29,500.00
	220.3	DRAINAGE STRUCTURE CHANGE IN TYPE	EA	\$1,400.00	1	\$1,400.00
	221	FRAME AND COVER	EA	\$1,400.00	12	\$16,800.00
	241.12	12 INCH REINFORCED CONCRETE PIPE	FT	\$140.00	475	\$66,500.00
	443	WATER FOR ROADWAY DUST CONTROL	MGL	\$100.00	40	\$4,000.00
	450.23	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	TON	\$275.00	405	\$111,375.00
	450.31	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC -12.5)	TON	\$173.00	535	\$92,555.00
	452	ASPHALT EMULSION FOR TACK COAT	GAL	\$10.00	245	\$2,450.00
	453	HMA JOINT SEALANT	FT	\$1.50	90	\$135.00
	470	HOT MIX ASPHALT BERM, TYPE A	TON	\$275.00	10	\$2,750.00
	482.3	SAWCUTTING ASPHALT PAVEMENT	FT	\$5.00	365	\$1,825.00
	504	GRANITE CURB TYPE VA4 - STRAIGHT	FT	\$70.00	35	\$2,450.00
	509	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT	FT	\$75.00	20	\$1,500.00
	509.1	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED	FT	\$95.00	27	\$2,565.00
*	656	72 INCH VINYL PRIVACY FENCE	FT	\$150.00	80	\$12,000.00
*	697.1	SILT SACK	EA	\$275.00	7	\$1,925.00
	701	CEMENT CONCRETE SIDEWALK	SY	\$85.00	35	\$2,975.00
	701.2	CEMENT CONCRETE WHEELCHAIR RAMP	SY	\$120.00	5	\$600.00
	748	MOBILIZATION	LS	\$20,000.00	1	\$20,000.00
	751	LOAM BORROW	CY	\$95.00	15	\$1,425.00
	765	SEEDING	SY	\$4.00	165	\$660.00
	767.121	SEDIMENT CONTROL BARRIER	FT	\$10.00	1050	\$10,500.00
	776.556	MAPLE - RED - RED SUNSET 8-10FT	EA	\$650.00	14	\$9,100.00
	804.2	2 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)	FT	\$50.00	400	\$20,000.00
*	812.99	LED LIGHT POLE	EA	\$8,000.00	6	\$48,000.00
	852	SAFETY SIGNING FOR TRAFFIC MANAGEMENT	SF	\$25.00	13	\$325.00
	864.04	PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)	SF	\$11.00	200	\$2,200.00
*	866.104	4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	SF	\$2.00	2500	\$5,000.00
	866.112	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	FT	\$6.00	110	\$660.00
*	877.4	SIGN POST 2 - 1/2 INCH STEEL	EA	\$600.00	5	\$3,000.00

SUBTOTAL = \$742,545.00

ENGINEERING = \$70,000.00

10% CONTINGENCY = \$74,254.50

TOTAL = \$886,799.50



Tel. (978) 521-1212
Fax (978) 374-7676

Groveland Police Department

JEFFREY T. GILLEN
Chief of Police

181 MAIN STREET
Groveland, MA 01834



jgillen@grovelandpolice.com

December 21, 2023

Groveland Community Preservation Committee
183 Main Street
Groveland, MA 01834

RE: Application for a Parking Lot at Shanahan Field

Dear Mr. Dempsey,

Please find this letter as a show of support from the Groveland Police Department for the application to design and create a parking lot at Shanahan Field. Currently, there is no delineated parking at the field which creates a dangerous situation during the youth soccer season, and other times when the fields are in use.

Most event visitors park along Main Street which creates a hazardous situation for several reasons. With this roadway being narrow children are stepping out of their vehicles into the roadway. The sidewalk passage is compromised by parked vehicles which force pedestrians into the roadway and the traffic flow on Main Street is disturbed. The current parking situation is not conducive to the ever-growing traffic flow and the increased popularity or attraction to the Shanahan Field.

We are hopeful that the Town will receive this grant to improve this important resource. If you have any questions or require any further information, please do not hesitate to reach out.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey T. Gillen".

Jeffrey T. Gillen
Chief of Police