


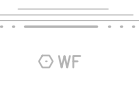







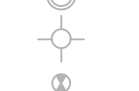











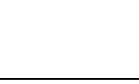



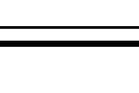

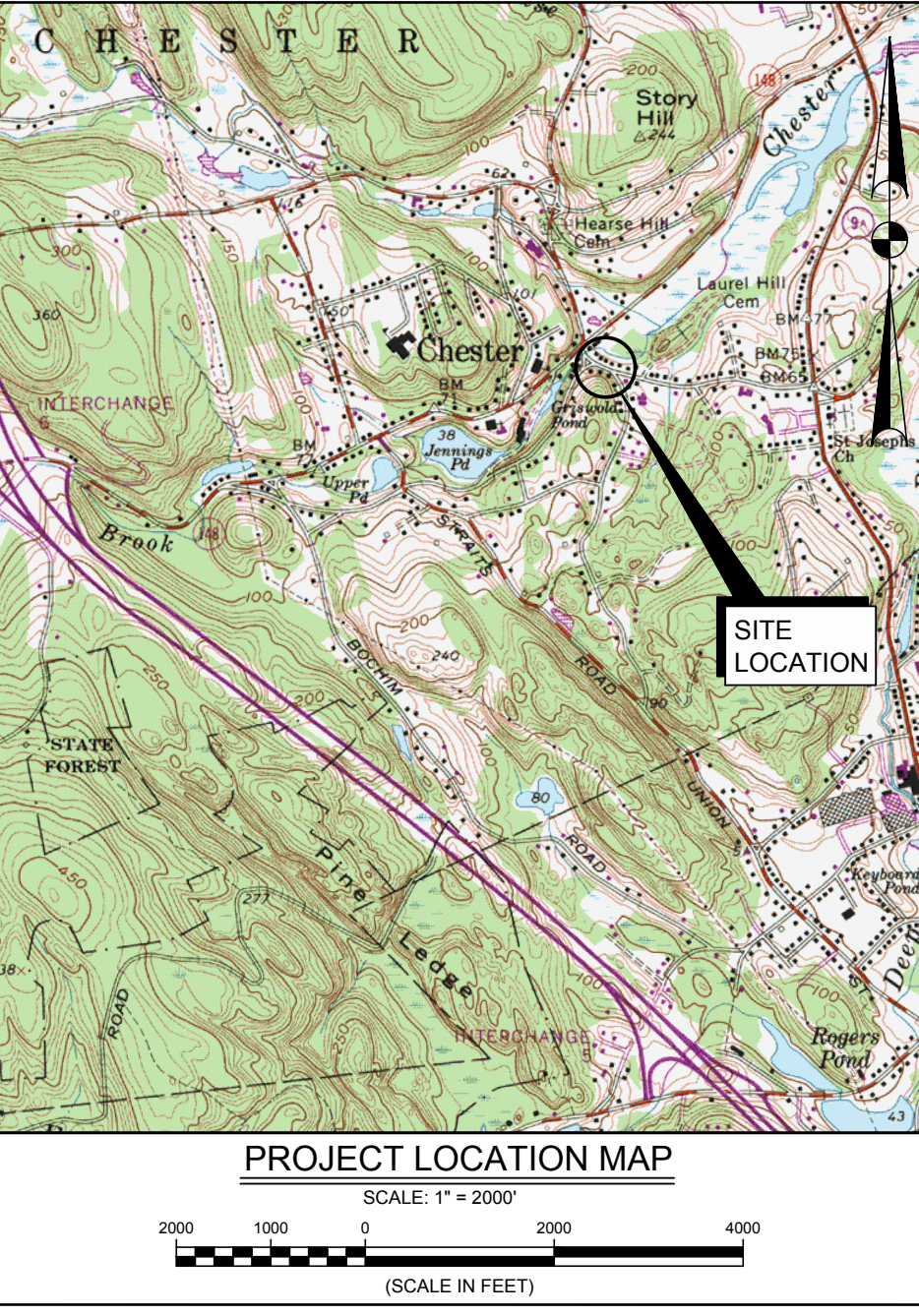


ABBREVIATIONS		
A/C	AIR CONDITIONER	N.I.C. NOT IN CONTRACT
Bit.	BITUMINOUS	NF NOW OR FORMERLY
Conc.	CONCRETE	PVC POLYVINYLCHLORIDE
CMP	CORRUGATED METAL PIPE	Ret. RETAINING
CPEP	CORRUGATED POLYETHYLENE PIPE	San. SANITARY
CLAP	CONNECTICUT LIGHT AND POWER	SNET SOUTHERN NEW ENGLAND TELEPHONE CO.
EL.	ELEVATION	Stn. STONE
FRT	FRONTIER COMMUNICATIONS	T.F. TOP OF FRAME
Gran.	GRANITE	T.O.W. TOP OF WALL
INV.	INVERT	TYP. TYPICAL
Mtl.	METAL	Util. UTILITY
Masonry	MASONRY	

LEGEND		
Existing	INDEX CONTOUR	<b>PROPOSED</b>
----- 100 -----	INTERMEDIATE CONTOUR	----- 100 -----
----- 98 -----	SPOT ELEVATION	----- 98 -----
----- 99.0 -----	TREE LINE	----- 99.00 + -----
----- 99.0 -----	SHRUB LINE	----- 99.00 + -----
	CONIFEROUS TREE	
	DECIDUOUS TREE	
	SHRUB	
	STUMP	
	EDGE OF WATER	
	WETLAND FLAG	
	WETLAND LINE	
	PAVEMENT EDGE	
	BIT. CONC. CURBING	
	CONCRETE CURBING	
	GRANITE CURBING	
	BENCH	
	BICYCLE RACK	
	FLAG POLE	
	FENCE	
	GUIDE RAIL	
	MAILBOX	
	SIGN	
	SITE LIGHT	
	AIR CONDITIONER	
	CLEAN OUT	
	CATCH BASIN	
	FLARED END	
	MANHOLE	
	HYDRANT	
	VALVE BOX	
	UTILITY BOX	
	UTILITY POLE	
	UTILITY POLE WITH GUY	
	UTILITY POLE WITH LIGHT	
	AERIAL UTILITIES	
	SANITARY LINE	
	STORM PIPE	
	SURVEY MONUMENT	
	PROPERTY LINE	
	STREET LINE	
	SURVEY CONTROL	
	PAVERS	
	SEDIMENT BARRIER	
	SEDIMENT BARRIER AT DRAINAGE STRUCTURE	
	PAVEMENT SAWCUT	
	REMOVE TREE	
	REMOVE BITUMINOUS CONCRETE PAVEMENT AND CURBING	
	REMOVE SIDEWALK	
	GRADE TO DRAIN	

CONTRACT DRAWINGS  
SEPTEMBER 2019



# TOWN OF CHESTER



# CONNECTICUT

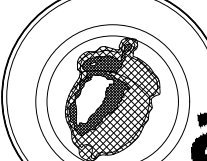
# MAIN STREET IMPROVEMENTS PHASE 3


BOARD OF SELECTMEN  
LAUREN GISTER, FIRST SELECTWOMAN  
CHARLENE JANECEK  
JAMES GRYZBOWSKI

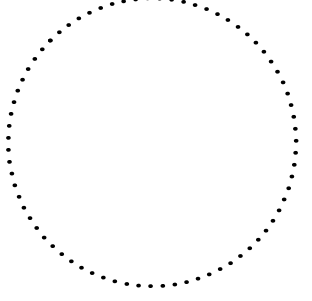
PUBLIC WORKS AND ROADS  
JOHN DIVIS, FOREMAN

LOT CIP L026-0001

LANDSCAPE  
**KENT+  
FROST**  
ARCHITECTURE  
1 HIGH STREET  
MYSTIC, CT 06355  
860.572.0784  
kentfrost.com

**acorn**  
Consulting Engineers Inc.  
- Mechanical - Electrical Engineering for Building Systems -  
P.O. Box 311 Farms Village Plaza- 244 Farms Village Road  
West Simsbury, CT 06092- (860) 651-1949 fax (860) 651-1957  
www.acornengineers.com

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972



AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

SCHEDULE OF DRAWINGS	
SHEET No.	TITLE
C0.0	COVER SHEET
C1.0	INDEX PLAN AND PROJECT NOTES
C2.0	TOPOGRAPHIC SURVEY
C2.1	TOPOGRAPHIC SURVEY
C2.2	TOPOGRAPHIC SURVEY
C3.0	DEMOLITION PLAN
C3.1	DEMOLITION PLAN
C3.2	DEMOLITION PLAN
C4.0	LAYOUT PLAN
C4.1	LAYOUT PLAN
C4.2	LAYOUT PLAN
C5.0	GRADING, UTILITY AND EROSION AND SEDIMENT CONTROL PLAN
C5.1	GRADING, UTILITY AND EROSION AND SEDIMENT CONTROL PLAN
C5.2	GRADING, UTILITY AND EROSION AND SEDIMENT CONTROL PLAN
C6.0	EROSION AND SEDIMENT CONTROL NOTES
C6.1	EROSION AND SEDIMENT CONTROL DETAILS
C7.0	MAIN STREET PROFILE STA. 10+00.00 TO STA. 13+25.00
C7.1	MAIN STREET PROFILE STA. 13+25.00 TO STA. 16+50.00
C7.2	SPRING STREET PROFILE
C7.3	MAPLE STREET PROFILE
C8.0	CROSS SECTIONS STA. 10+40.81 TO STA. 11+00.00
C8.1	CROSS SECTIONS STA. 11+20.00 TO STA. 11+80.00
C8.2	CROSS SECTIONS STA. 12+00.00 TO STA. 12+80.00
C8.3	CROSS SECTIONS STA. 12+80.00 TO STA. 13+40.00
C8.4	CROSS SECTIONS STA. 13+60.00 TO STA. 14+20.00
C8.5	CROSS SECTIONS STA. 14+40.00 TO STA. 15+00.00
C8.6	CROSS SECTIONS STA. 15+20.00 TO STA. 15+80.00
C8.7	CROSS SECTIONS STA. 16+00.00 TO STA. 16+29.22
C9.0	STORM DRAINAGE DETAILS
C9.1	STORM DRAINAGE DETAILS
C9.2	STORM DRAINAGE DETAILS
C9.3	DRIVEWAY AND CURB RAMP DETAILS
C9.4	SIDEWALK DETAILS
C9.5	SIDEWALK DETAILS
C9.6	ROADWAY DETAILS
C9.7	SITE DETAILS
C10.0	FRENCH HEN STAIR DETAILS
C10.1	CHESTER WALL STAIR DETAILS
C10.2	CHESTER WALL COLUMN AND MAPLE STREET WALL DETAILS
C10.3	TIMBER GUIDERAIL DETAILS
C11.0	TEMPORARY CONSTRUCTION DETOUR PLAN
C11.1	TEMPORARY TRAFFIC CONTROL AND CONSTRUCTION PHASING PLAN
C11.2	TEMPORARY TRAFFIC CONTROL AND CONSTRUCTION PHASING PLAN
C11.3	TEMPORARY TRAFFIC CONTROL AND CONSTRUCTION PHASING PLAN
C11.4	TEMPORARY TRAFFIC CONTROL AND CONSTRUCTION PHASING PLAN
C11.5	TEMPORARY TRAFFIC CONTROL AND CONSTRUCTION PHASING PLAN
L1.0	SITE FURNISHINGS PLAN
L1.1	SITE FURNISHINGS PLAN
L2.0	HARDSCAPE LAYOUT PLAN
L2.1	HARDSCAPE LAYOUT PLAN
L3.0	EXPANSION AND CONTROL JOINT PLAN
L3.1	EXPANSION AND CONTROL JOINT PLAN
L4.0	PLANTING PLAN
L5.0	PLANTING & FURNISHINGS DETAILS
SL1.0	SITE LIGHTING PLAN
SL1.1	SITE LIGHTING DETAILS

CTDOT STANDARD DRAWINGS	
SHEET No.	TITLE
TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS
TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS
TR-1220_02	TYPICAL CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

**PROGRESS PRINT**

DO NOT USE FOR CONSTRUCTION

☐ FOR PRELIMINARY REVIEW

☐ FOR FINAL REVIEW

☒ FOR INFORMATION ONLY

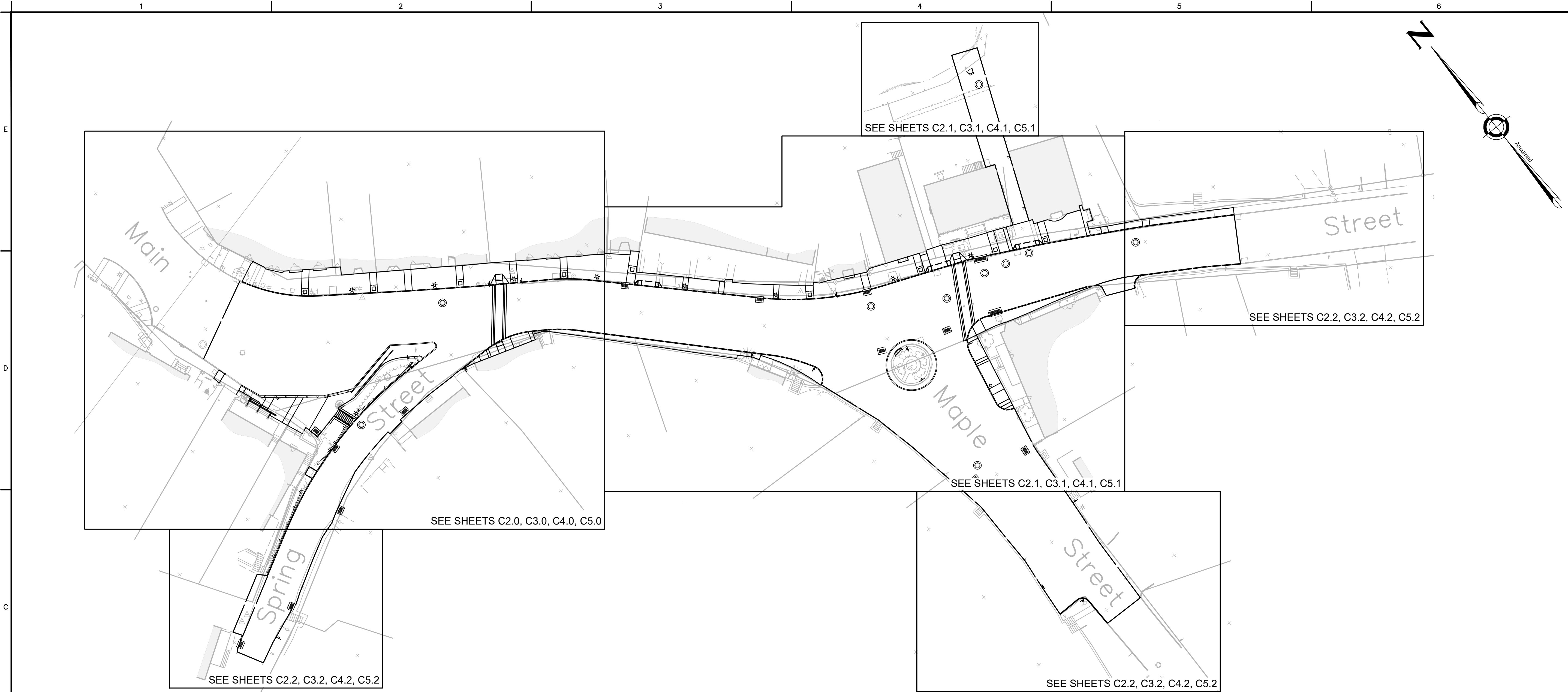
DATE ISSUED *September 20, 2019*

NATHAN L. JACOBSON & ASSOCIATES

PROJECT NO. 0010010 - PROJECT NAME: MAIN STREET IMPROVEMENTS PHASE 3 - PHASE: CONTRACT DRAWINGS - DATE: SEPTEMBER 2019



I:\Civil\3D\00100110\_Production Drawings\CD\00100110\UNDX.dwg, Index: 9/20/2019 1:43:14 PM, AutoCAD PDF (General Documentation) p3, 1:1



PROJECT NOTES

1. DRAWING NOTES

- 1.1 IN GENERAL, Lower Case Text Identifies Existing Features/Conditions.
- 1.2 IN GENERAL, UPPER CASE TEXT IDENTIFIES PROPOSED FEATURES/CONDITIONS UNLESS OTHERWISE SPECIFIED.
- 1.3 SURVEY CONTROL HAS BEEN PROVIDED FOR CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE VALIDITY OF THE SURVEY CONTROL.
- 1.4 SUBSEQUENT NOTES HEREIN ARE WRITTEN IN IMPERATIVE MOOD AND DIRECTED AT THE CONTRACTOR.
- 1.5 SHEET NUMBERS PREFIXED WITH "C" ARE CIVIL PLANS. SHEET NUMBERS PREFIXED WITH "SL" ARE LANDSCAPE PLANS. SHEET NUMBERS PREFIXED WITH "L" ARE LANDSCAPE PLANS.
- 1.6 ELECTRICAL FEATURES AND UTILITIES ARE NOT REPRESENTED IN PROFILE AND SECTION VIEWS.

2. RESPONSIBILITIES

- 2.1 BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES AND FOR INITIATING, MAINTAINING AND SUPERVISING SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- 2.2 BE SOLELY RESPONSIBLE FOR PROTECTION OF PERSONS AND THE PUBLIC IN GENERAL. THE WORK TO BE PERFORMED UNDER THE CONTRACT, PUBLIC AND PRIVATE PROPERTY, AND EASEMENTS AND RIGHTS-OF-WAY DURING THE COURSE OF THE WORK OF THE CONTRACTOR AND HIS SUBCONTRACTORS.
- 2.3 TAKE THE NECESSARY PRECAUTIONS AND FURNISH EQUIPMENT AS REQUIRED TO HANDLE THE SURFACE, SUBSURFACE, AND FLOOD FLOWS WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION.
- 2.4 BE RESPONSIBLE FOR THE DEWATERING REQUIRED TO COMPLETE THE WORK INCLUDED UNDER THE CONTRACT, INCLUDING BUT NOT LIMITED TO, TRENCHES, EXCAVATIONS, AND WATER CONTROL STRUCTURES WHICH MAY BE REQUIRED TO PROPERLY COMPLETE THE WORK INCLUDED UNDER THE CONTRACT (PARTICULAR ATTENTION IS CALLED TO FLUCTUATIONS IN WATER FLOWS AND LEVELS THAT MAY OCCUR DUE TO PRECIPITATION EVENTS. NO EXTRA COMPENSATION WILL BE ALLOWED DUE TO WATER FLOW OR LEVEL FLUCTUATIONS).
- 2.5 BE SOLELY RESPONSIBLE FOR, AND PAY COSTS, FOR SECURITY OF THE CONSTRUCTION SITE UNTIL ALL CONSTRUCTION IS COMPLETE.
- 2.6 ARRANGE AND PAY FOR THE PROVISIONS AND USE OF ELECTRICAL POWER, POTABLE WATER AND SANITARY FACILITIES REQUIRED DURING THE CONSTRUCTION OF THE PROJECT.
- 2.7 A SPECIFIC WRITTEN PLAN FOR THE SEQUENCE OF CONSTRUCTION SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL WITH RESPECT TO PERMIT REQUIREMENTS OF THE REGULATORY AGENCIES HAVING JURISDICTION. AN EXAMPLE OF THE MINIMUM DETAIL REQUIRED CAN BE FOUND IN THE NARRATIVE ON THE EROSION AND SEDIMENT CONTROL NOTES DRAWING (NOTE: THIS IS A MINIMUM GUIDELINE ONLY. A SPECIFIC CONSTRUCTION SEQUENCE SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL WITH RESPECT TO PERMIT REQUIREMENTS).

- 2.8 PAY FOR TESTING REQUIRED FOR SUBMITTALS AND FIELD QUALITY CONTROL TESTING. OWNER MAY PAY FOR ADDITIONAL FIELD QUALITY ASSURANCE TESTING, AS THEY DEEM NECESSARY. COORDINATE WITH TESTING LABORATORY WHETHER ON BEHALF OF CONTRACTOR OR ON BEHALF OF OWNER. PROVIDE OWNER WITH TESTING LABORATORY REPORTS.

3. ENVIRONMENTAL

- 3.1 COMPLY WITH ALL REQUIREMENTS PERTAINING TO CONSTRUCTION WORK AT THE PROJECT SITE CONTAINED IN PERMITS ISSUED FOR THE PROJECT FROM THE LOCAL INLAND WETLANDS AND WATERCOURSES AGENCY.
- 3.2 PROVIDE AND MAINTAIN OIL ABSORBENT SPILL RESPONSE BOOMS AND BLANKETS ON SITE FOR THE ENTIRE CONSTRUCTION PERIOD.
- 3.3 NO CONSTRUCTION VEHICLES SHALL BE STORED, SERVICED, REFUELED, WASHED, OR FLUSHED OUT IN A LOCATION WHERE LEAKS, SPILLAGE, WASTE MATERIALS, CLEANERS, OR WATERS WILL BE INTRODUCED OR FLOW INTO WETLANDS OR WATERCOURSES.
- 3.4 NO EQUIPMENT STORAGE, CLEANING, REPAIRING OR REFUELING SHALL BE CONDUCTED WITHIN 100' OF AN INLAND WETLAND BOUNDARY. SHOULD ANY CONTAMINANT SPILL OCCUR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, OIL AND CHEMICAL SPILL RESPONSE DIVISION AT 860-424-3338 AND THE OWNER'S AGENT.
- 3.5 DURING CONSTRUCTION, ROUTINE EQUIPMENT MAINTENANCE AND REFUELING SHALL OCCUR ON AN IMPERVIOUS SURFACE WITH OIL ABSORBENT SPILL RESPONSE MATERIALS IN PLACE. NON-ROUTINE MAINTENANCE OF EQUIPMENT SHALL BE CONDUCTED OFF-SITE. SHOULD ANY CONTAMINANT SPILL OCCUR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION, OIL AND CHEMICAL SPILL RESPONSE DIVISION AT 860-424-3338 AND THE OWNER'S AGENT.
- 3.6 BULK FUEL FOR CONSTRUCTION PURPOSES SHALL NOT BE STORED ON SITE.
- 3.7 DURING CONSTRUCTION, THE CONTRACTOR SHALL STORE ALL HAZARDOUS MATERIALS OFF-SITE, OR IF ON-SITE, THEN WITHIN A SECONDARY CONTAINMENT STRUCTURE IN A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR, THAT WILL BE SECURED DURING NON-WORKING HOURS.
- 3.8 SWEEP AND KEEP CLEAN ROADS IMPACTED BY TRACKED SOILS FROM THE CONSTRUCTION SITE AT ALL TIMES, OR AT THE DISCRETION OF THE ENGINEER.

4. CLEARING

- 4.1 REMOVE AND TRIM TREES AND OTHER WOODY VEGETATION AND GRUB STUMPS AS NECESSARY FOR THE CONSTRUCTION. OBTAIN APPROVAL FROM PROPERTY OWNER PRIOR TO REMOVING OR TRIMMING TREES LOCATED OUTSIDE OF TOWN RIGHT-OF-WAY. ALL VEGETATION REQUIRED FOR TRIMMING AND REMOVAL MAY NOT BE SHOWN ON PLANS.
- 4.2 KEEP SITE DISTURBANCE TO A MINIMUM. PROTECT ALL TREES UNLESS OTHERWISE SHOWN OR AUTHORIZED BY THE ENGINEER. TREES TO BE REMOVED SHALL BE INDIVIDUALLY VERIFIED IN THE FIELD WITH THE ENGINEER. PROVIDE TREE PROTECTION FOR TREES IDENTIFIED TO BE PROTECTED ON PLANS.

5. EARTHWORK

- 5.1 CUT/FILL SLOPES IN EARTH SHALL BE NO STEEPER THAN 1:5 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE DETERMINED BY THE ENGINEER.
- 5.2 SURPLUS OR UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH

ALL LOCAL, STATE AND FEDERAL ORDINANCES, RULES, REGULATIONS AND CODES.

- 5.3 FURNISH AND INSTALL TIGHTLY SEALED TEMPORARY SHEETING AND/OR BRACING AS NECESSARY TO COMPLY WITH APPLICABLE FEDERAL AND STATE SAFETY CODES; TO PROTECT ADJACENT STRUCTURES AND ALL EXISTING UTILITIES; TO PROVIDE AN OPENING OF PROPER DEPTH AND WIDTH IN WHICH TO INSTALL THE PROPOSED WORK; AND TO PROTECT WORKMEN AND THE PUBLIC FROM DEATH OR INJURY FROM BANK FAILURE, EARTH COLLAPSE OR EARTH MOVEMENT OF ANY NATURE. CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR THE DESIGN, ADEQUACY AND SAFETY OF THE SHEETING, BRACING, SHORING, ETC.
- 5.4 ALL EXCAVATIONS, UNEVEN GROUND OR HAZARDOUS CONDITIONS SHALL HAVE CONSTRUCTION BARRICADES OR FENCING ERECTED TO EXCLUDE UNAUTHORIZED PERSONNEL.

6. PAVEMENTS AND CURBING

- 6.1 PROVIDE CURB KNIFE EDGE AT CURB ENDS NOT CONNECTING TO OTHER CURB SEGMENTS. PROVIDE CURB KNIFE EDGES AT CUT ENDS OF EXISTING CURBING THAT DOES NOT CONNECT TO OTHER CURB SEGMENTS.
- 6.2 PAVEMENTS TO BE CUT SHALL BE SAW CUT. PRIOR TO PAVING, CLEAN FACE OF EXISTING PAVEMENT AND PAINT WITH LIQUID BITUMEN. MATCH EXISTING GRADES WITH NEW PAVEMENT.
- 6.3 NEATLY REMOVE, STORE AND PROTECT AS APPLICABLE, AND REINSTALL OR REPLACE AS APPLICABLE, EXISTING SITE FEATURES DISTURBED BY CONSTRUCTION, REQUIRED FOR THE FINISHED CONSTRUCTION.
- 6.4 LIMITS OF PROPOSED PAVEMENT SURFACES FOR BOTH ROADWAYS AND DRIVEWAY APRONS SHALL MATCH GRADE AT EXISTING PAVEMENT SURFACE LEFT IN-PLACE, UNLESS OTHERWISE NOTED.
- 6.5 PROVIDE OWNER WITH GRANITE CURBING REMOVED UNDER THIS CONTRACT AND DELIVER TP PUBLIC WORKS GARAGE AT 12 GROTE ROAD, CHESTER, CT.

7. UNDERGROUND UTILITIES

- 7.1 MAKE CONNECTIONS TO EXISTING SUBSURFACE DRAINAGE SYSTEM IN A WORKMANLIKE MANNER.
- 7.2 FOR LOCATION OF UNDERGROUND ELECTRIC, TELEPHONE, GAS, CABLE TV, AND OTHER FACILITIES OF PUBLIC UTILITY COMPANIES, INQUIRE OF "CALL BEFORE YOU DIG, INC." AT 1-800-922-4455, OR WWW.CBYD.COM.
- 7.3 FOR LOCATION OF UNDERGROUND UTILITIES ON PRIVATE PROPERTY, ARRANGE AND PAY FOR LOCATING THEM THROUGH A PRIVATE UTILITY LOCATING COMPANY.
- 7.4 COORDINATE THE RELOCATION/PROTECTION OF ALL UTILITIES.
- 7.5 COORDINATE UTILITY WORK, WHETHER PUBLICLY OR PRIVATELY OWNED, SO AS NOT TO DELAY THE PROGRESS OF THE WORK. PROTECT AND MAINTAIN ALL EXISTING UTILITIES LOCATED WITHIN THE VICINITY OF THE CONSTRUCTION SITE, UNLESS OTHERWISE NOTED. IF ANY UTILITY IS DAMAGED OR SERVICE INTERRUPTED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGES INCLUDING RESTORING SERVICE IN A SAFE MANNER, TO THE COMPLETE SATISFACTION OF THE UTILITY OWNER AND THE ENGINEER.
- 7.6 UTILITY INTERRUPTIONS SHALL RECEIVE THE PRIOR WRITTEN AUTHORIZATION OF THE UTILITY OWNER.
- 7.7 INFORMATION OR DATA SHOWN ON OR INDICATED IN THE CONTRACT DOCUMENTS WITH RESPECT TO EXISTING UNDERGROUND PIPES, CABLES, CONDUITS, STRUCTURES OR OTHER UNDERGROUND FACILITIES IS BELIEVED TO BE REASONABLY CORRECT BUT IS NOT GUARANTEED TO BE EXACT OR COMPLETE. SUCH INFORMATION SHALL BE CONSIDERED TO

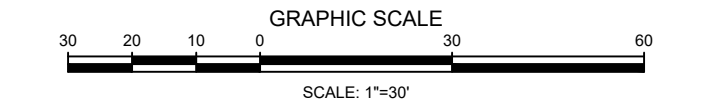
HAVE BEEN PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND TO ALERT THE CONTRACTOR TO THE EXISTENCE OF SUCH UNDERGROUND FACILITIES WITHIN OR CONTIGUOUS TO THE PROJECT SITE AND THE OWNER, ENGINEER AND THEIR CONSULTANTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA.

- 7.8 IT IS EXPECTED THAT AN EXISTING WATER UTILITY IS TO BE ABANDONED IN PLACE AND A NEW WATER UTILITY INSTALLED WITHIN THE PROJECT SITE AFTER THE DEVELOPMENT OF THESE PLANS. NEITHER SYSTEM IS SHOWN ON THE DRAWINGS. IF AVAILABLE, AS-BUILT DRAWINGS FROM THE UTILITY COMPANY WILL BE PROVIDED TO THE CONTRACTOR SEPARATELY.
- 7.9 THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL INFORMATION AND DATA DESCRIBED IN THE NOTE ABOVE. FOR LOCATING ALL SUCH UNDERGROUND FACILITIES SHOWN OR INDICATED IN THE CONTRACT DOCUMENTS, FOR COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES DURING CONSTRUCTION, FOR THE SAFETY AND PROTECTION THEREOF, AND FOR REPAIRING ANY DAMAGE THEREO RESULTING FROM THE WORK, THE COST OF ALL OF WHICH WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE.
- 7.10 FOR DESIGN PURPOSES, EXISTING PIPES BETWEEN STORM DRAINAGE AND SANITARY SEWER STRUCTURES WERE ASSUMED TO HAVE STRAIGHT HORIZONTAL ALIGNMENTS AND CONSTANT SLOPES. PROPOSED INVERT ELEVATIONS SHOWN CONNECTING EXISTING PIPES MAY THEREFORE VARY IF EXISTING PIPE SLOPES ARE NOT CONSTANT. CONTRACTOR SHALL VERIFY ELEVATIONS IN THE FIELD AT ALL PROPOSED CONNECTION LOCATIONS AND ADVISE THE ENGINEER OF ANY DISCREPANCIES FOUND.
- 7.11 REMOVE SEDIMENT FROM WITHIN CULVERTS WITHIN CONTRACT PRIOR TO FINAL COMPLETION. DISPOSE OF SEDIMENT OFF-SITE IN A LEGAL MANNER USING BEST MANAGEMENT PRACTICES.
- 7.12 UNDERGROUND PIPES PROPOSED TO BE ABANDONED IN PLACE SHALL BE FILLED WITH FLOWABLE FILL OR REMOVED.
- 7.13 ADJUST EXISTING UTILITY VALVE COVERS AND MANHOLE FRAMES TO PROPOSED GRADE.
- 7.14 COORDINATE WITH UTILITY POLE OWNER FOR BRACING AS NECESSARY TO PERFORM WORK.

8. SIGNAGE

- 8.1 TEMPORARY SEASONAL SIGNS MAY BE ATTACHED TO EXISTING SIGN POSTS TO BE REMOVED. TEMPORARY SEASONAL SIGNS ARE NOT SHOWN ON PLANS, BUT SHALL BE PROVIDED TO OWNER UPON SIGN POST REMOVAL.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

INDEX PLAN AND  
PROJECT NOTES

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

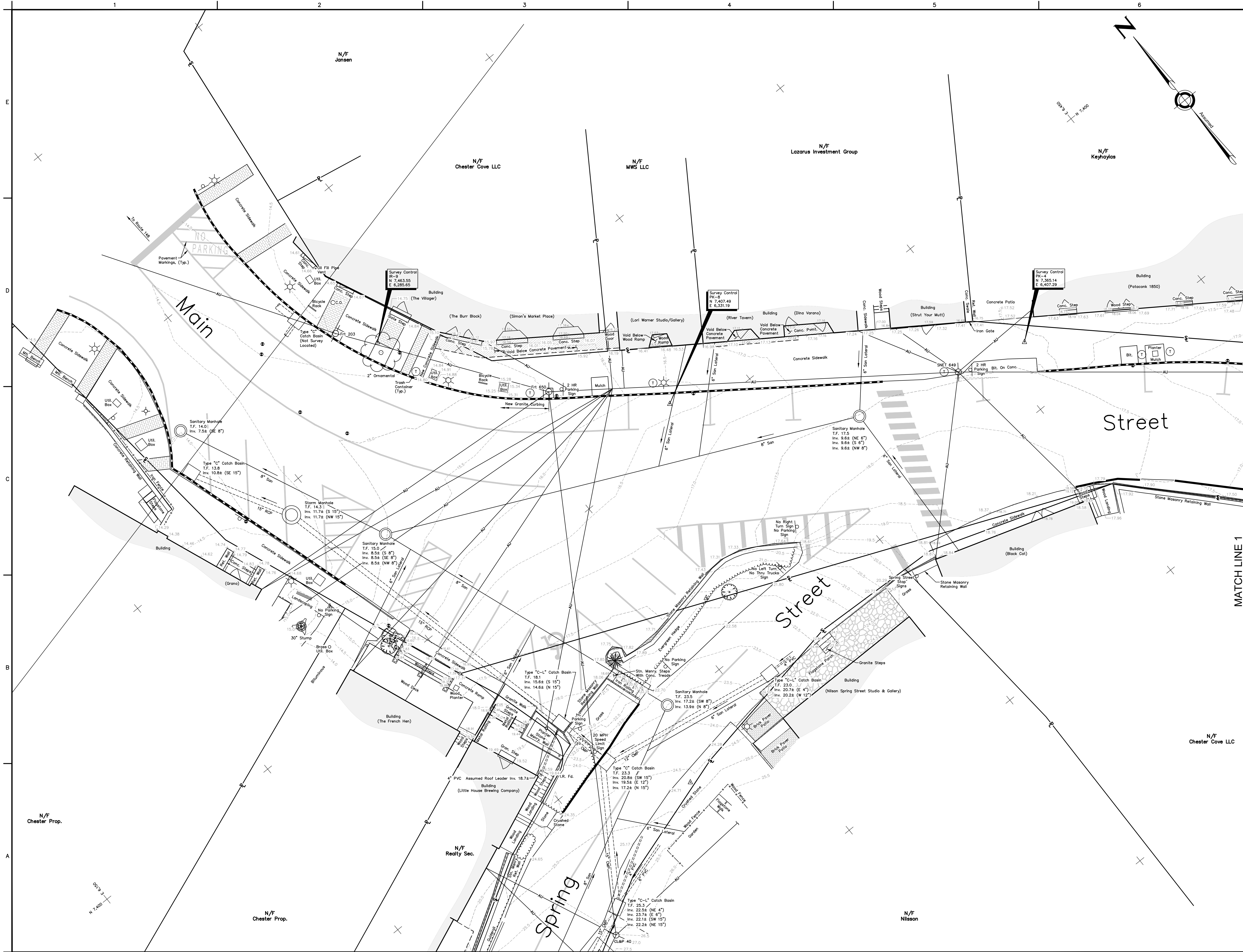
AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: 1"=30'  
PROJECT No.: 01001010  
CADD FILE: 0100110NDX  
DESIGNED: ALM  
DRAWN: AJG  
CHECKED: **C1.0**





- NOTES:
- This survey was prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 as a Class A-2 Right of Way Survey and a Class T-2 Topographic Survey (Vertical Accuracy Class V-2). Boundary Determination Category is Dependent Resurvey. See maps on file in the Chester Land Records.
  - Underground or overhead encroachments, structures, and systems were not investigated as a part of this survey, except as shown or noted hereon. Underground utilities depicted hereon are based on reference to other sources not verified.
  - Peripheral property lines of adjacent owners are shown for general informational purposes only and are not to be construed as being accurately located or shown hereon.
  - Horizontal datum is assumed North. Vertical datum is NAVD88.
  - Parcels may be subject to such rights and easements as appear of record or are apparent by usage. This survey reflects encumbrances noticed and discovered by the surveyor in the normal course of work and does not necessarily show every possible condition affecting these properties. Easements, servitudes, local ordinances, zoning and other legal encumbrances may exist which are not reflected hereon. Consult a title attorney to discover all legal encumbrances, if any, attached to these properties.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

GRAPHIC SCALE  
SCALE: 1"=10'

TOWN OF  
CHESTER, CONNECTICUT  
**MAIN STREET  
IMPROVEMENTS  
PHASE 3**

TOPOGRAPHIC SURVEY

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF LAND SURVEY & TECHNICAL SERVICES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND LAND SURVEY & TECHNICAL SERVICES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Jacobson** Land Survey & Technical Services, Inc.  
88 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-4522 Fax: (860) 526-5416  
www.njja.com  
An Affiliate of Nathan L. Jacobson & Associates, Inc.

NOT VALID WITHOUT ORIGINAL SEAL

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS  
SUBSTANTIALLY CORRECT AS NOTED HEREON.

JEFFREY A. SANBORN, L.S.  
CT REGISTRATION No. 12883

© COPYRIGHT 2019 LAND SURVEY & TECHNICAL SERVICES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.: C2.0
SCALE: 1"=10'	
PROJECT No.: 00100110SP	
CADD FILE: 00100110SP	
FIELD BOOK: -	
DRAWN: AJG	
CHECKED: -	

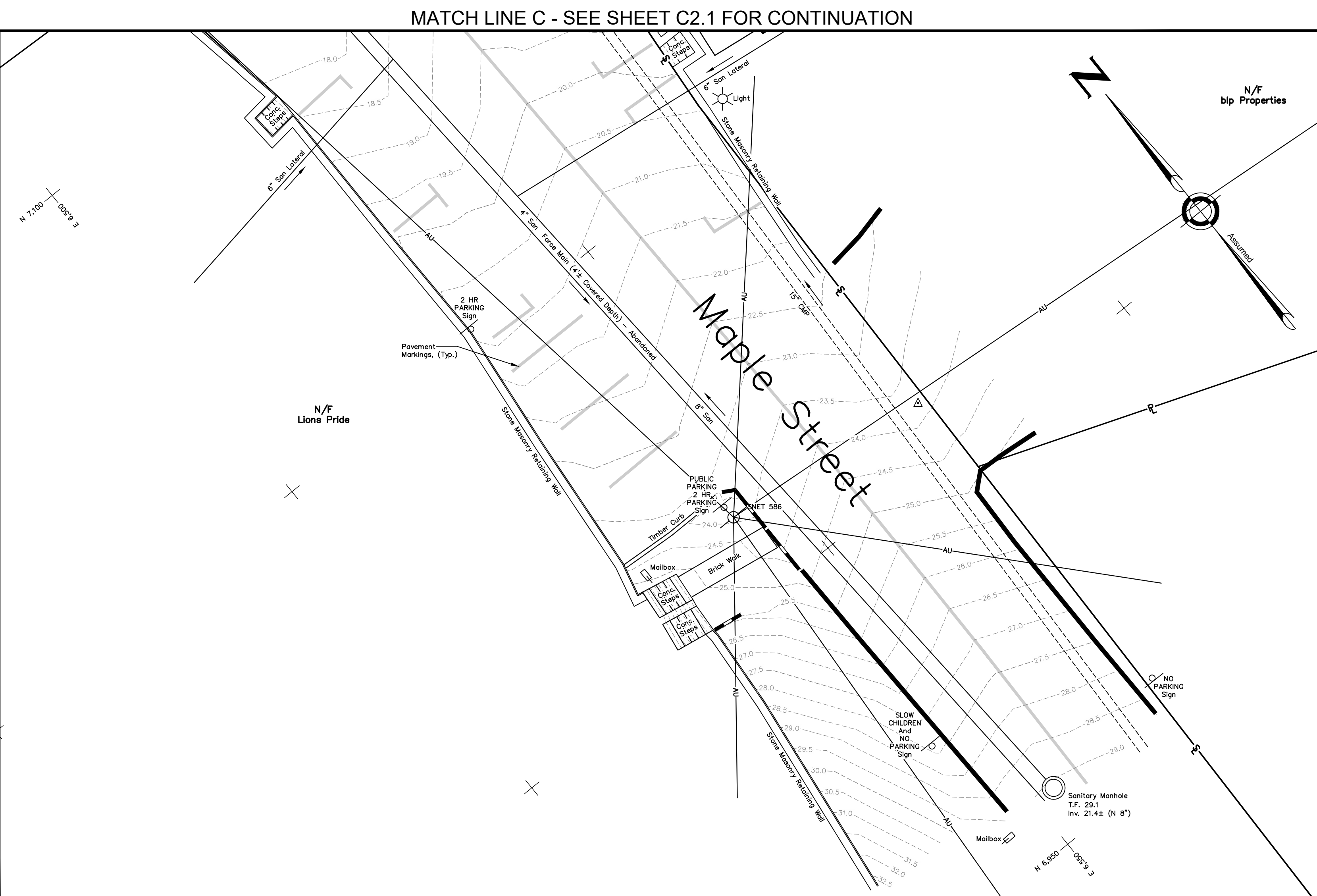
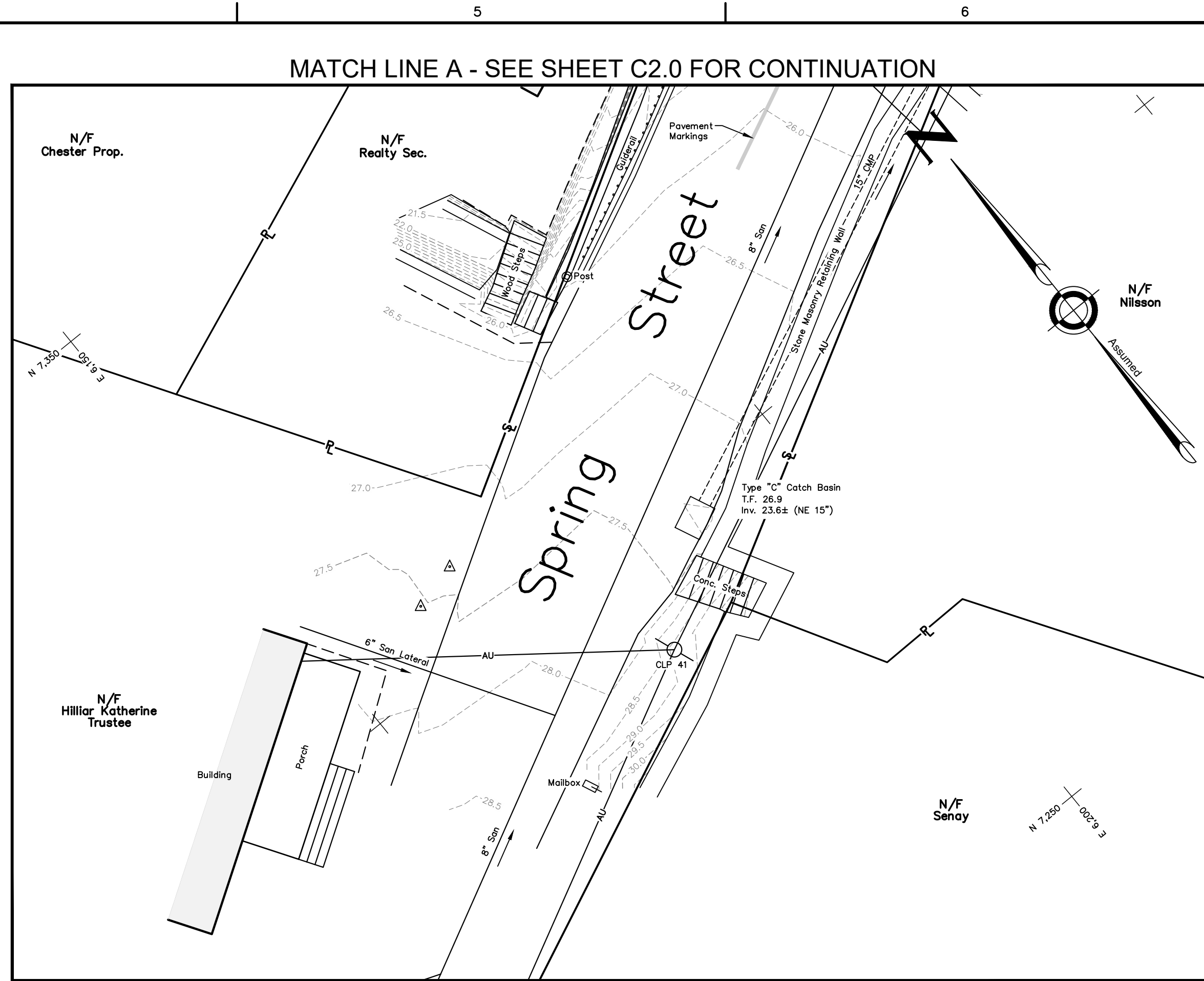
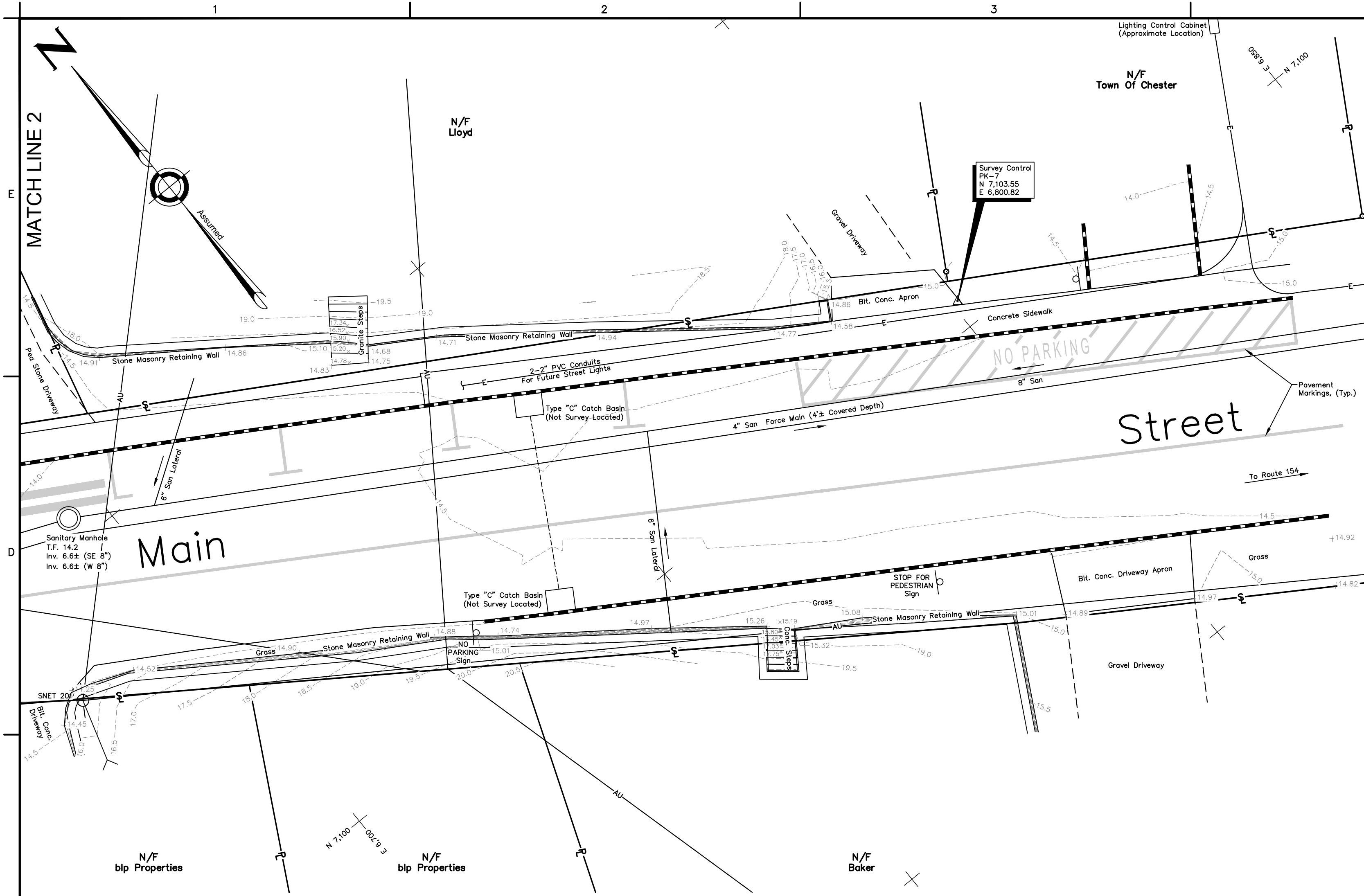
MATCH LINE A - SEE SHEET C2.2 FOR CONTINUATION

MATCH LINE 1









NOTES:

- This survey was prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 as a Class A-2 Right of Way Survey and a Class T-2 Topographic Survey (Vertical Accuracy Class V-2). Boundary Determination Category is Dependent Resurvey. See maps on file in the Chester Land Records.
- Underground or overhead encroachments, structures, and systems were not investigated as a part of this survey, except as shown or noted hereon. Underground utilities depicted hereon are based on reference to other sources not verified.
- Peripheral property lines of adjacent owners are shown for general informational purposes only and are not to be construed as being accurately located or shown hereon.
- Horizontal datum is assumed North. Vertical datum is NAVD88.
- Parcels may be subject to such rights and easements as appear of record or are apparent by usage. This survey reflects encumbrances noticed and discovered by the surveyor in the normal course of work and does not necessarily show every possible condition affecting these properties. Easements, servitudes, local ordinances, zoning and other legal encumbrances may exist which are not reflected hereon. Consult a title attorney to discover all legal encumbrances, if any, attached to these properties.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

GRAPHIC SCALE  
SCALE: 1"=10'

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

TOPOGRAPHIC SURVEY

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF LAND SURVEY & TECHNICAL SERVICES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND LAND SURVEY & TECHNICAL SERVICES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Jacobson** Land Survey & Technical Services, Inc.  
88 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-4522 Fax: (860) 526-5416  
www.nlja.com  
An Affiliate of Nathan L. Jacobson & Associates, Inc.

NOT VALID WITHOUT ORIGINAL SEAL

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

JEFFREY A. SANBORN, L.S.  
CT REGISTRATION No. 12883

© COPYRIGHT 2019 LAND SURVEY & TECHNICAL SERVICES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.:  <b>C2.2</b>
SCALE: 1"=10'	
PROJECT No.: 00100110SP	
CADD FILE: 00100110SP	
FIELD BOOK: -	
DRAWN: AJG	
CHECKED: -	

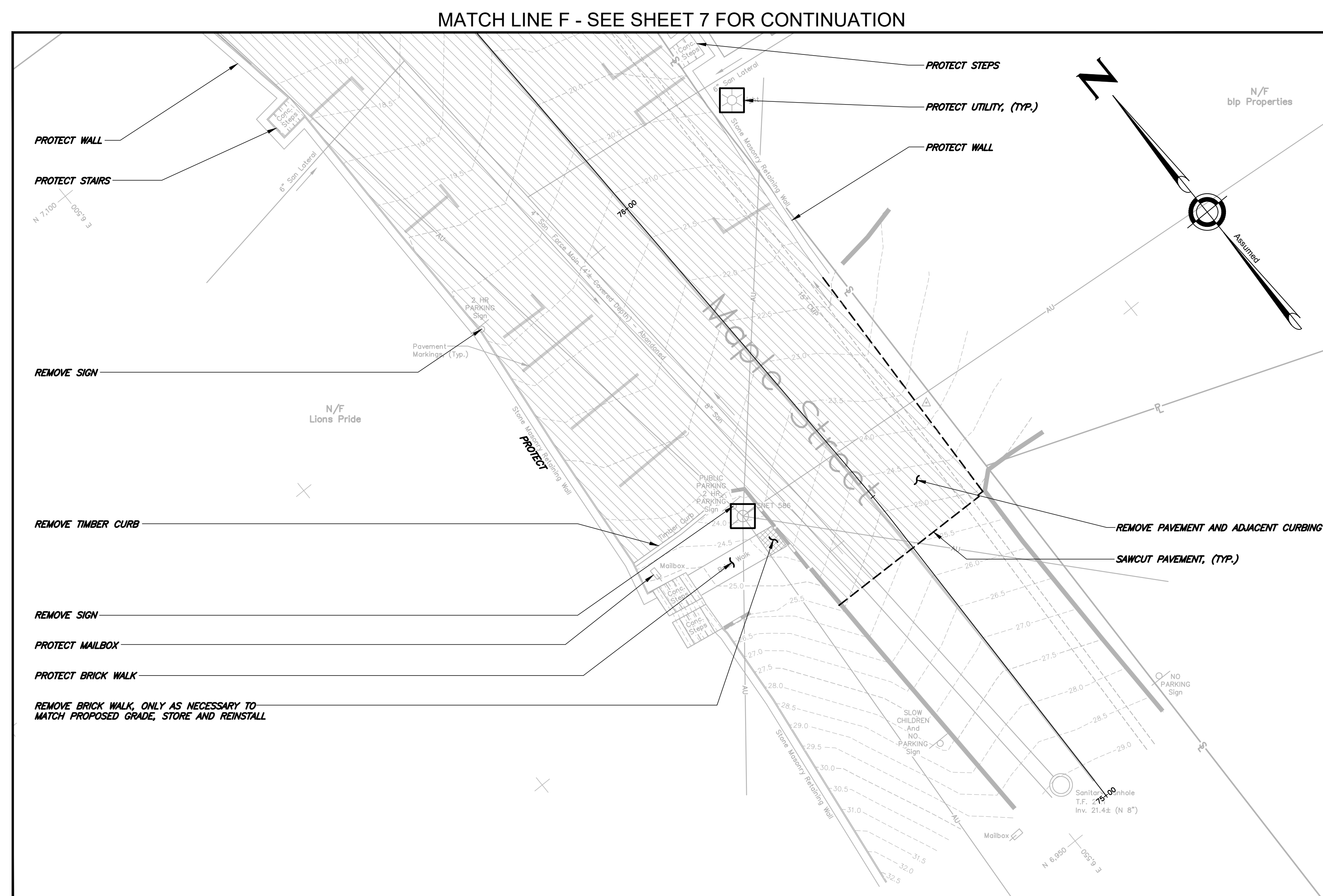
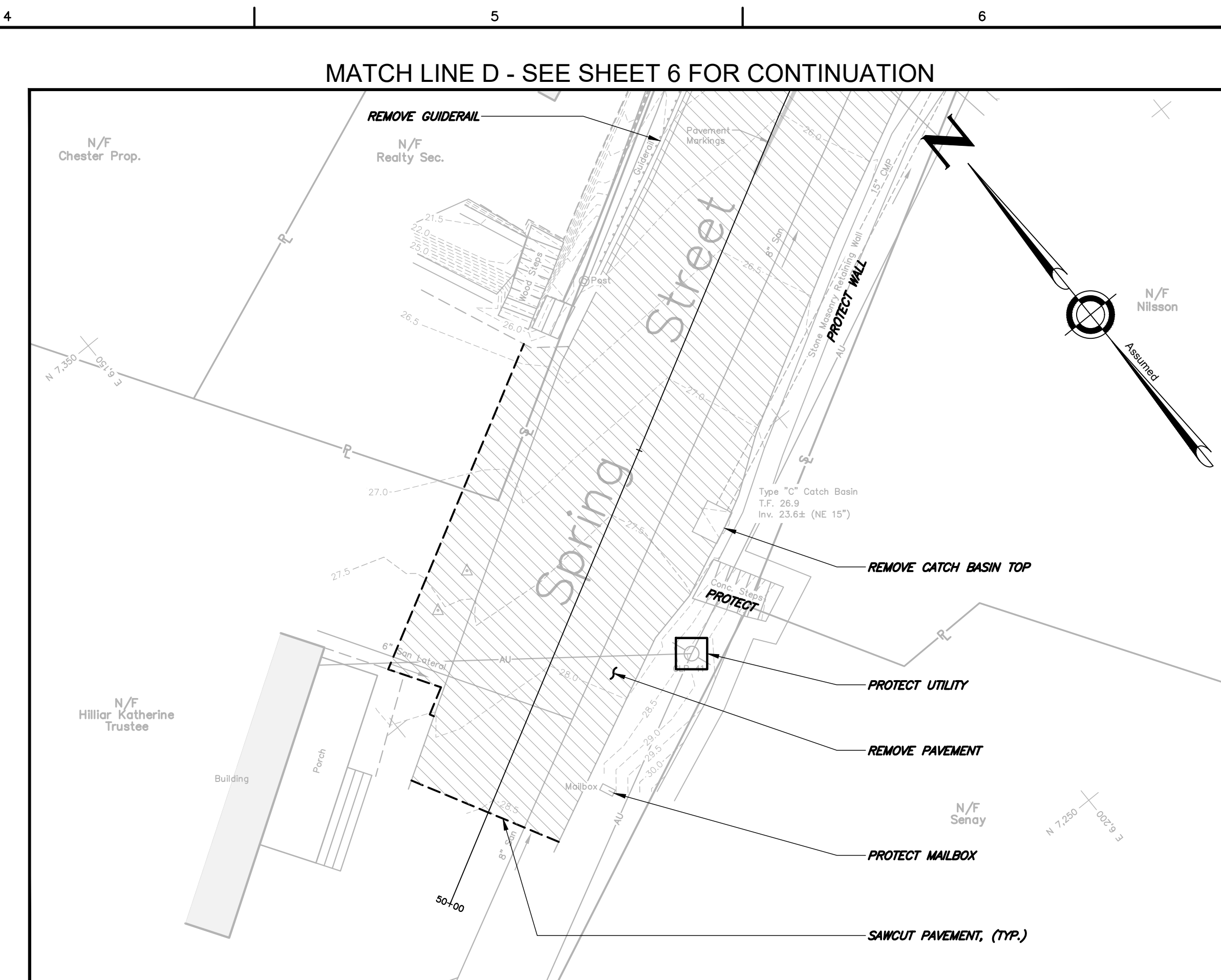
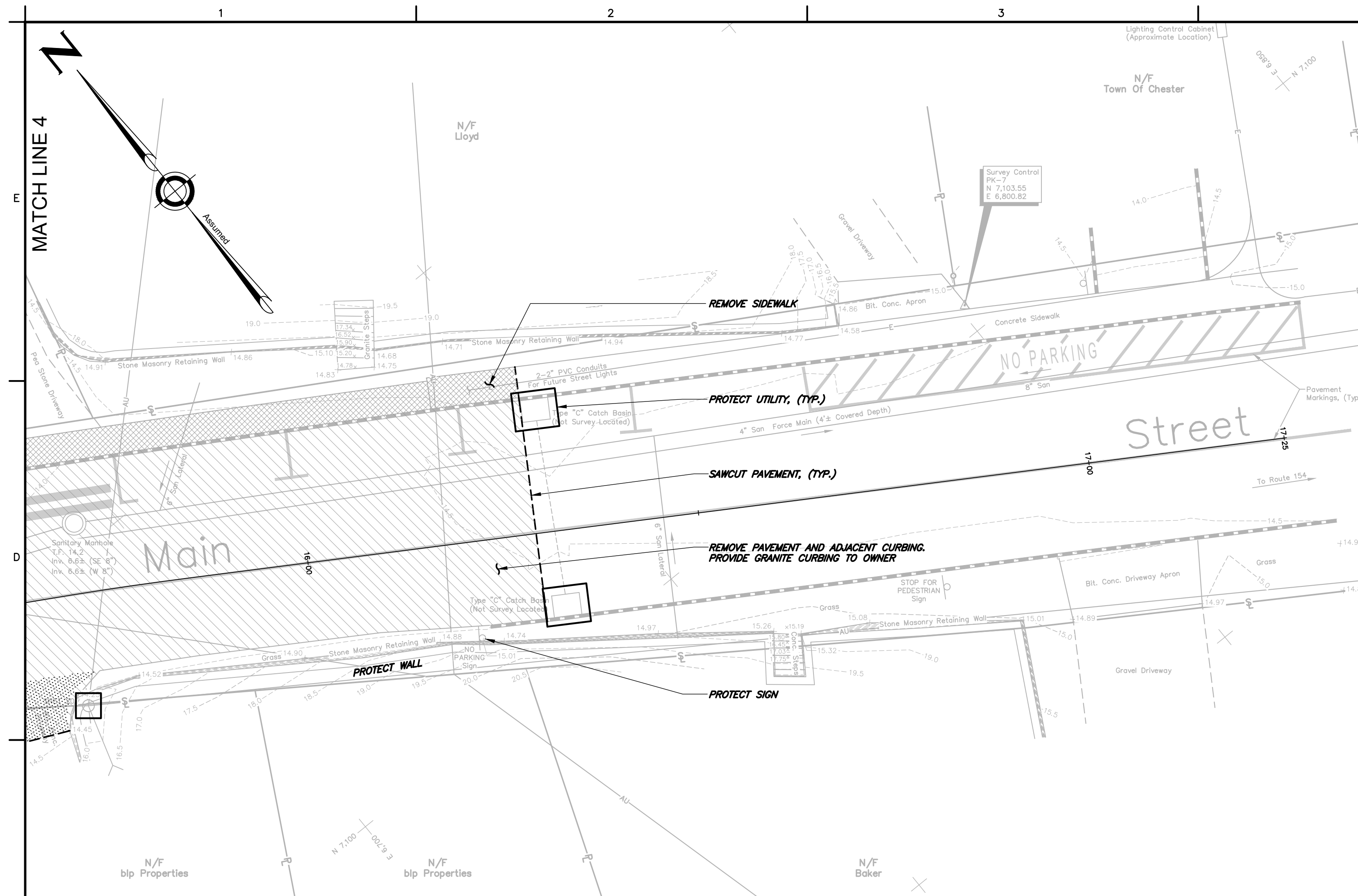








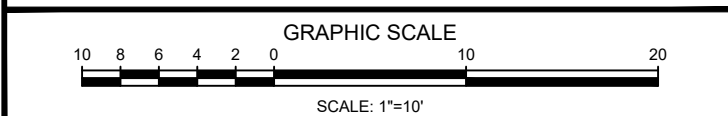




**NOTES:**

1. SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.




TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

## DEMOLITION PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.



**Nathan L. Jacobson & Associates, Inc.**  
 86 Main Street P.O. Box 337  
 Chester, Connecticut 06412-0337  
 Tel: (860) 526-9591 Fax: (860) 526-5416  
[www.nlja.com](http://www.nlja.com)  
 Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

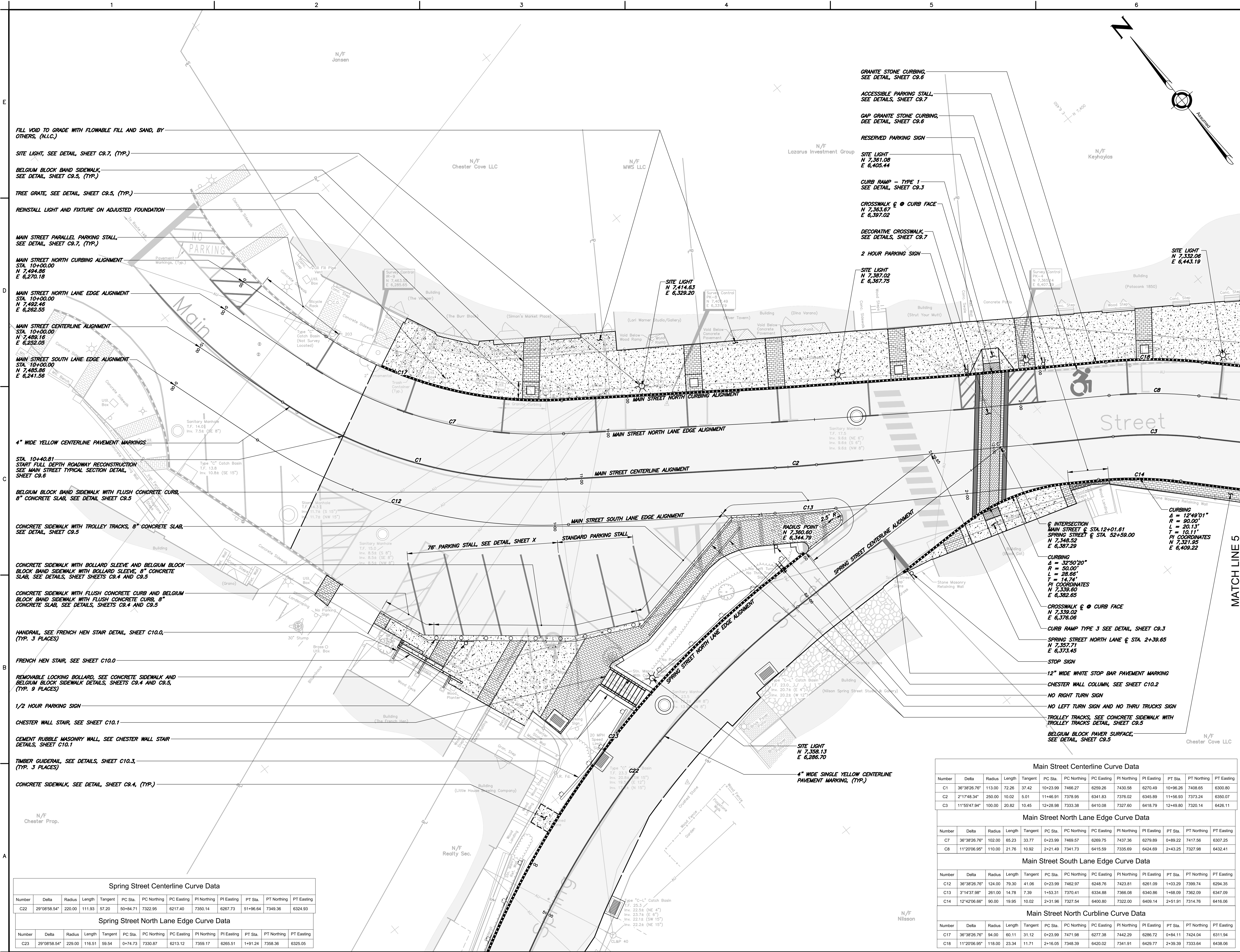
AARON L. MORTENSEN, P.E.  
 CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED

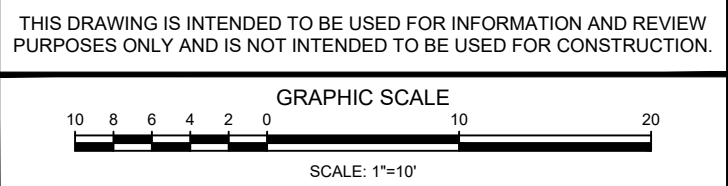
REVISIONS		
No.	DESCRIPTION	DATE

DATE:	SEPTEMBER 2019	SHEET No.:
SCALE:	1"=10'	
PROJECT No.:	00100110	
CADD FILE:	0100110SP	
DESIGNED:	ALM	C3.2
DRAWN:	AJG	
CHECKED:		





- NOTES:
- SEE SHEET C1.0 FOR PROJECT NOTES.
  - SEE GRADING, UTILITY AND EROSION AND SEDIMENT CONTROL PLANS FOR STORM UTILITY LAYOUT INFORMATION.
  - SEE LANDSCAPE PLANS FOR FOR SITE FURNISHINGS, HARDSCAPE AND EXPANSION AND CONTROL JOINT LAYOUT INFORMATION.
  - SEE ELECTRICAL PLANS FOR POWER UTILITY LAYOUT INFORMATION.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

LAYOUT PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTESEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: 1"=10'  
PROJECT No.: 0100110SP  
CADD FILE: 0100110SP  
DESIGNED: ALM  
DRAWN: AJG  
CHECKED: C4.0

Main Street Centerline Curve Data												
Number	Delta	Radius	Length	Tangent	PC Sta.	PC Northing	PC Easting	PI Northing	PI Easting	PT Sta.	PT Northing	PT Easting
C1	36°38'26.76"	113.00	72.26	37.42	10+23.99	7466.27	6259.26	7430.58	6270.49	10+96.26	7408.65	6300.80
C2	2°17'48.34"	250.00	10.02	5.01	11+46.91	7378.95	6341.83	7376.02	6345.89	11+56.93	7373.24	6350.07
C3	11°55'47.94"	100.00	20.82	10.45	12+28.98	7333.38	6410.08	7327.60	6418.79	12+49.80	7320.14	6426.11

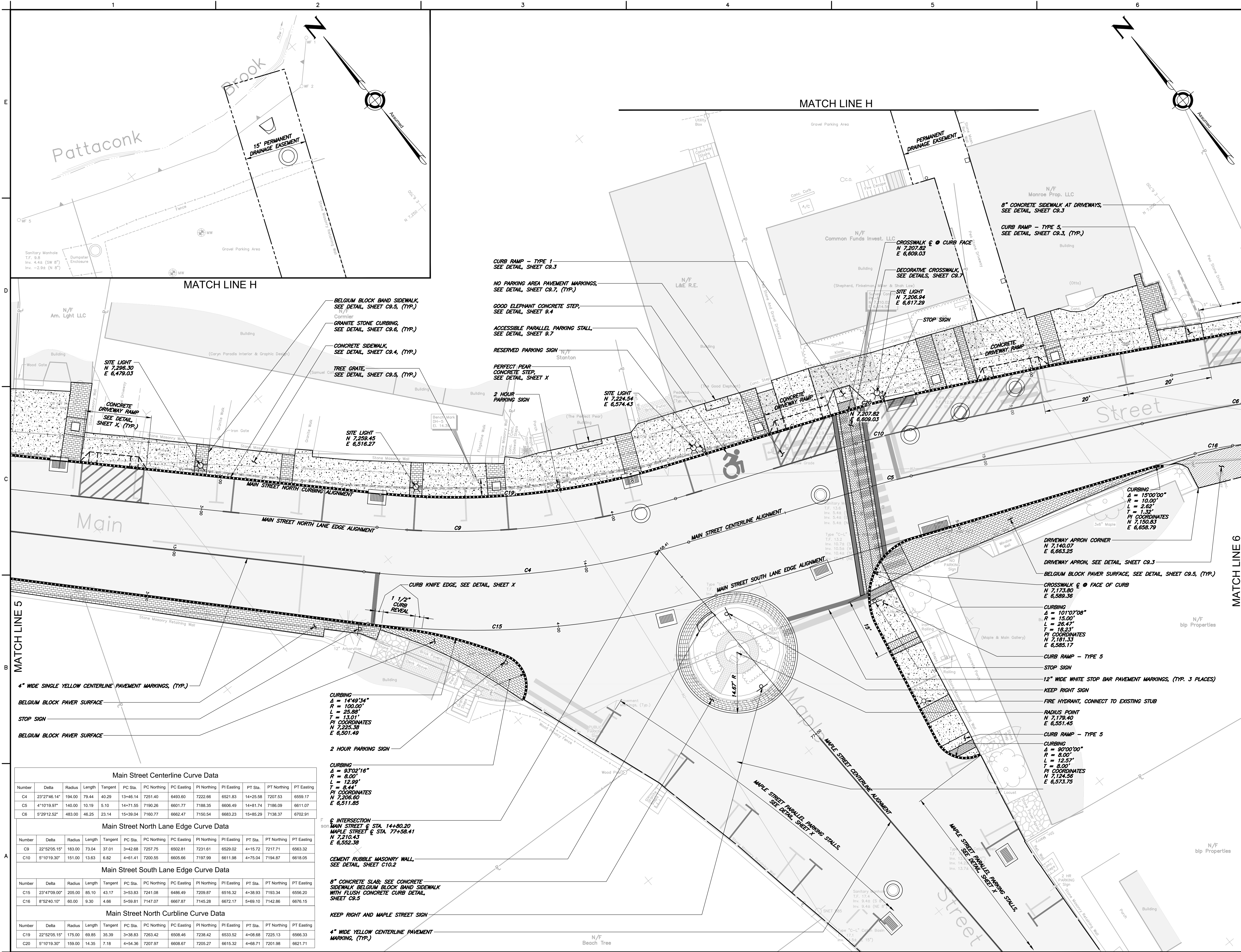
Main Street North Lane Edge Curve Data												
Number	Delta	Radius	Length	Tangent	PC Sta.	PC Northing	PC Easting	PI Northing	PI Easting	PT Sta.	PT Northing	PT Easting
C7	36°38'26.76"	102.00	65.23	33.77	0+23.99	7469.57	6269.75	7437.36	6279.89	0+89.22	7417.56	6307.25
C8	11°20'06.95"	110.00	21.76	10.92	2+21.49	7341.73	6415.59	7335.89	6424.69	2+43.25	7327.98	6432.41

Main Street South Lane Edge Curve Data												
Number	Delta	Radius	Length	Tangent	PC Sta.	PC Northing	PC Easting	PI Northing	PI Easting	PT Sta.	PT Northing	PT Easting
C12	36°38'26.76"	124.00	79.30	41.06	0+23.99	7462.97	6248.76	7423.81	6261.09	1+03.29	7399.74	6294.35
C13	3°14'37.98"	261.00	14.78	7.39	1+53.31	7370.41	6334.88	7366.08	6340.86	1+68.09	7362.09	6347.09
C14	12°42'06.66"	90.00	19.95	10.02	2+31.96	7327.54	6400.80	7322.00	6409.14	2+51.91	7314.76	6416.06

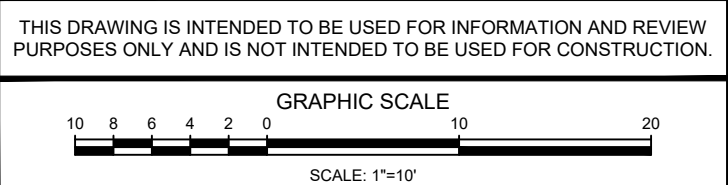
Main Street North Curbside Curve Data												
Number	Delta	Radius	Length	Tangent	PC Sta.	PC Northing	PC Easting	PI Northing	PI Easting	PT Sta.	PT Northing	PT Easting
C17	36°38'26.76"	94.00	60.11	31.12	0+23.99	7471.98	6277.38	7442.29	6286.72	0+84.11	7424.04	6311.94
C18	11°20'06.95"	118.00	23.34	11.71	2+16.05	7348.39	6420.02	7341.91	6428.77	2+39.39	7333.64	6438.06

MATCH LINE G - SEE SHEET 11 FOR CONTINUATION





- NOTES:
- SEE SHEET C1.0 FOR PROJECT NOTES.
  - SEE GRADING, UTILITY AND EROSION AND SEDIMENT CONTROL PLANS FOR STORM UTILITY LAYOUT INFORMATION.
  - SEE LANDSCAPE PLANS FOR FOR SITE FURNISHINGS, HARDSCAPE AND EXPANSION AND CONTROL JOINT LAYOUT INFORMATION.
  - SEE ELECTRICAL PLANS FOR POWER UTILITY LAYOUT INFORMATION.



TOWN OF  
CHESTER, CONNECTICUT

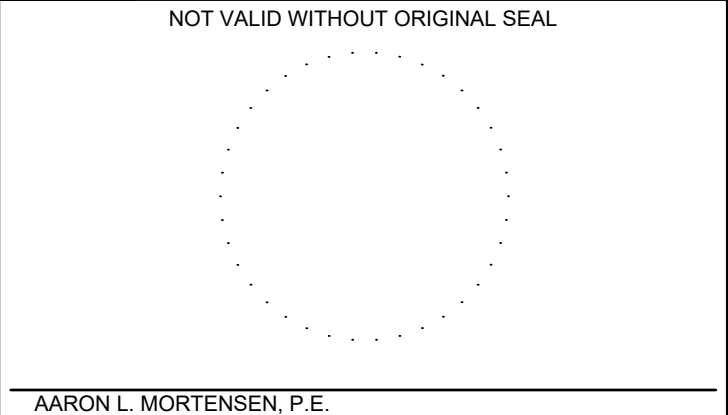
MAIN STREET  
IMPROVEMENTS  
PHASE 3

LAYOUT PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Jacobson Consulting Civil and Environmental Engineers Since 1972

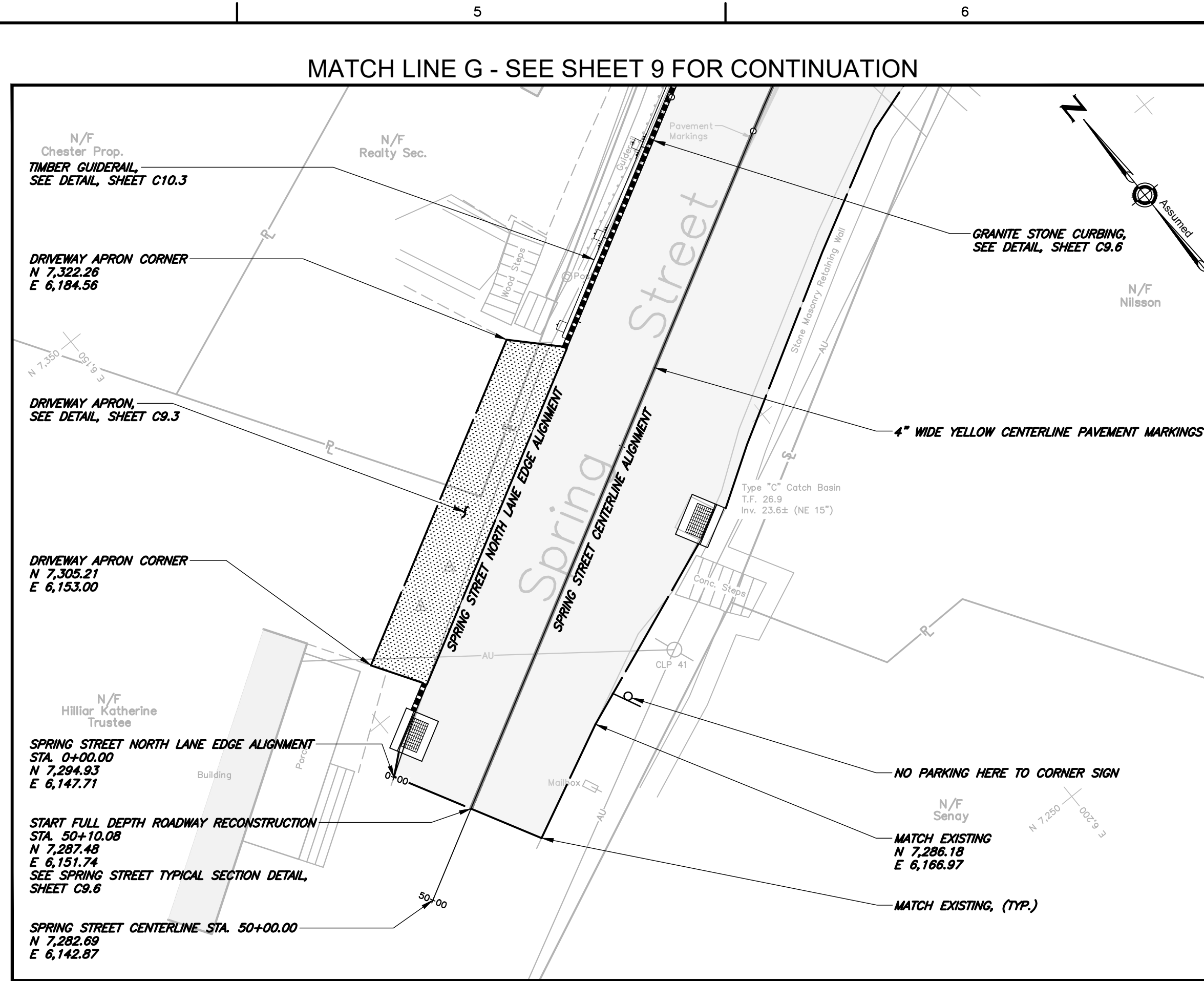
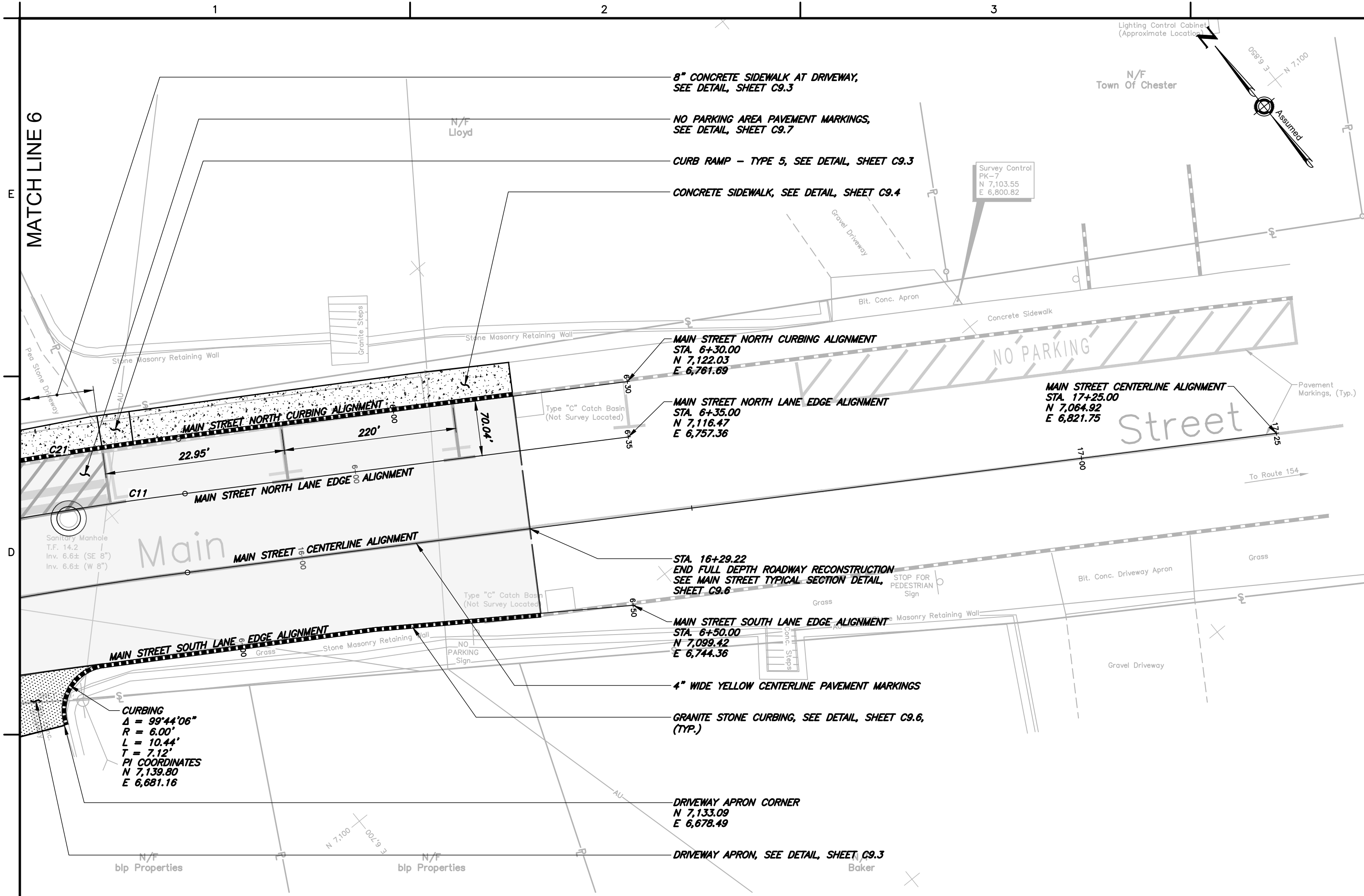


© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC. ALL RIGHTS RESERVED.

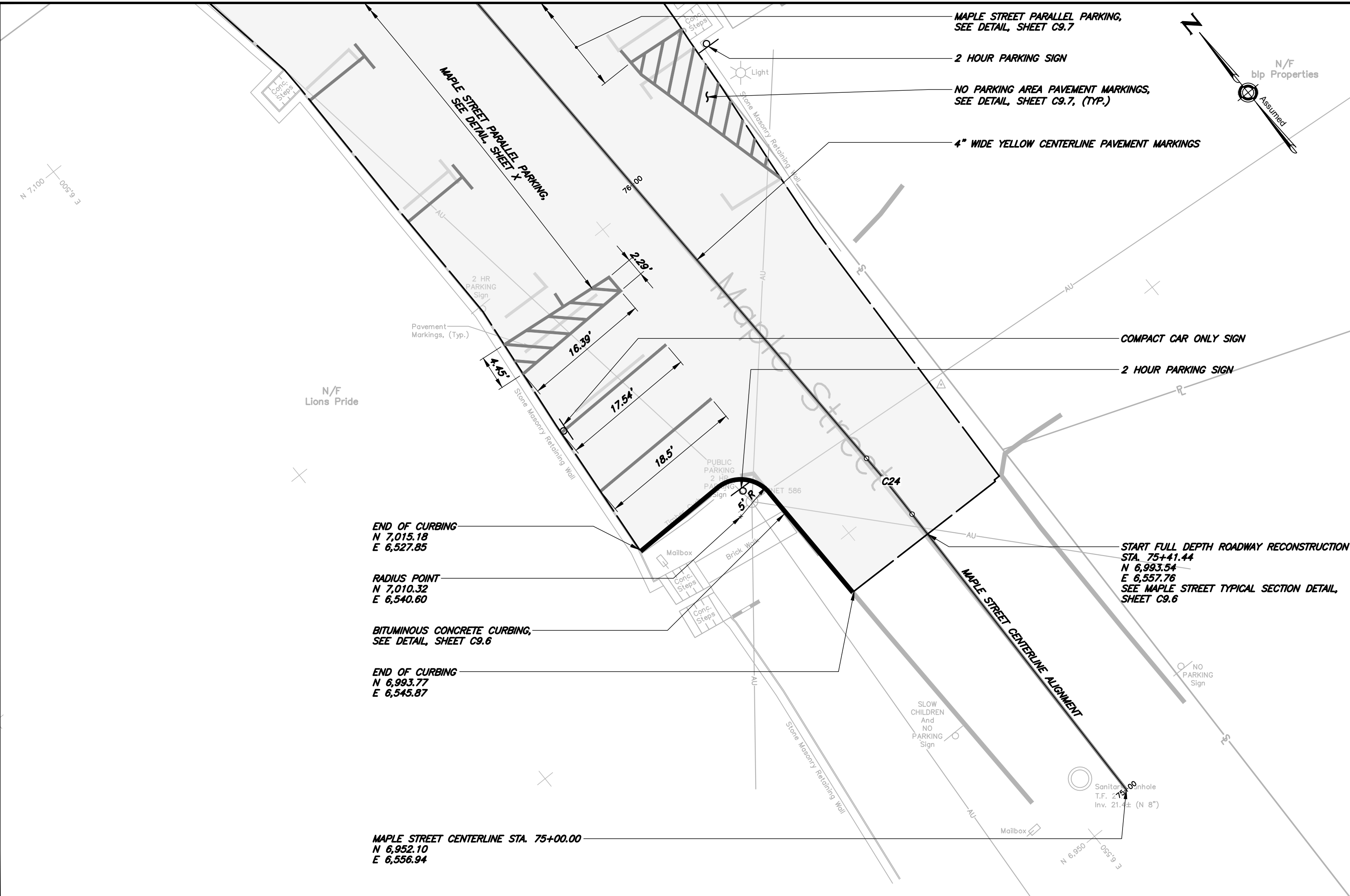
REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.: C4.1
SCALE: 1"=10'	
PROJECT No.: 0100110	
CADD FILE: 0100110SP	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED: -	





Main Street North Lane Edge Curve Data											
Number	Delta	Radius	Length	Tangent	PC Sta.	PC Northing	PC Easting	PI Northing	PI Easting	PT Sta.	PT Northing
C11	4°29'13.18"	493.00	38.61	19.31	5+39.53	7165.36	6675.39	7156.52	6692.56	5+78.13	7146.37
Main Street North Curbline Curve Data											
Number	Delta	Radius	Length	Tangent	PC Sta.	PC Northing	PC Easting	PI Northing	PI Easting	PT Sta.	PT Northing
C21	2°51'47.59"	500.00	24.99	12.50	5+47.46	7164.89	6691.15	7158.86	6702.10	5+72.44	7152.29
Maple Avenue Centerline Curve Data											
Number	Delta	Radius	Length	Tangent	PC Sta.	PC Northing	PC Easting	PI Northing	PI Easting	PT Sta.	PT Northing
C24	2°38'38.46"	200.00	9.23	4.62	75+44.66	6996.76	6557.82	7001.37	6557.91	75+53.89	7005.98



NOTES:

- SEE SHEET C1.0 FOR PROJECT NOTES.
- SEE GRADING, UTILITY AND EROSION AND SEDIMENT CONTROL PLANS FOR STORM UTILITY LAYOUT INFORMATION.
- SEE LANDSCAPE PLANS FOR FOR SITE FURNISHINGS, HARDSCAPE AND EXPANSION AND CONTROL JOINT LAYOUT INFORMATION.
- SEE ELECTRICAL PLANS FOR POWER UTILITY LAYOUT INFORMATION.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

GRAPHIC SCALE  
SCALE: 1"=10'

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

LAYOUT PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

Nathan L. Jacobson & Associates, Inc.  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

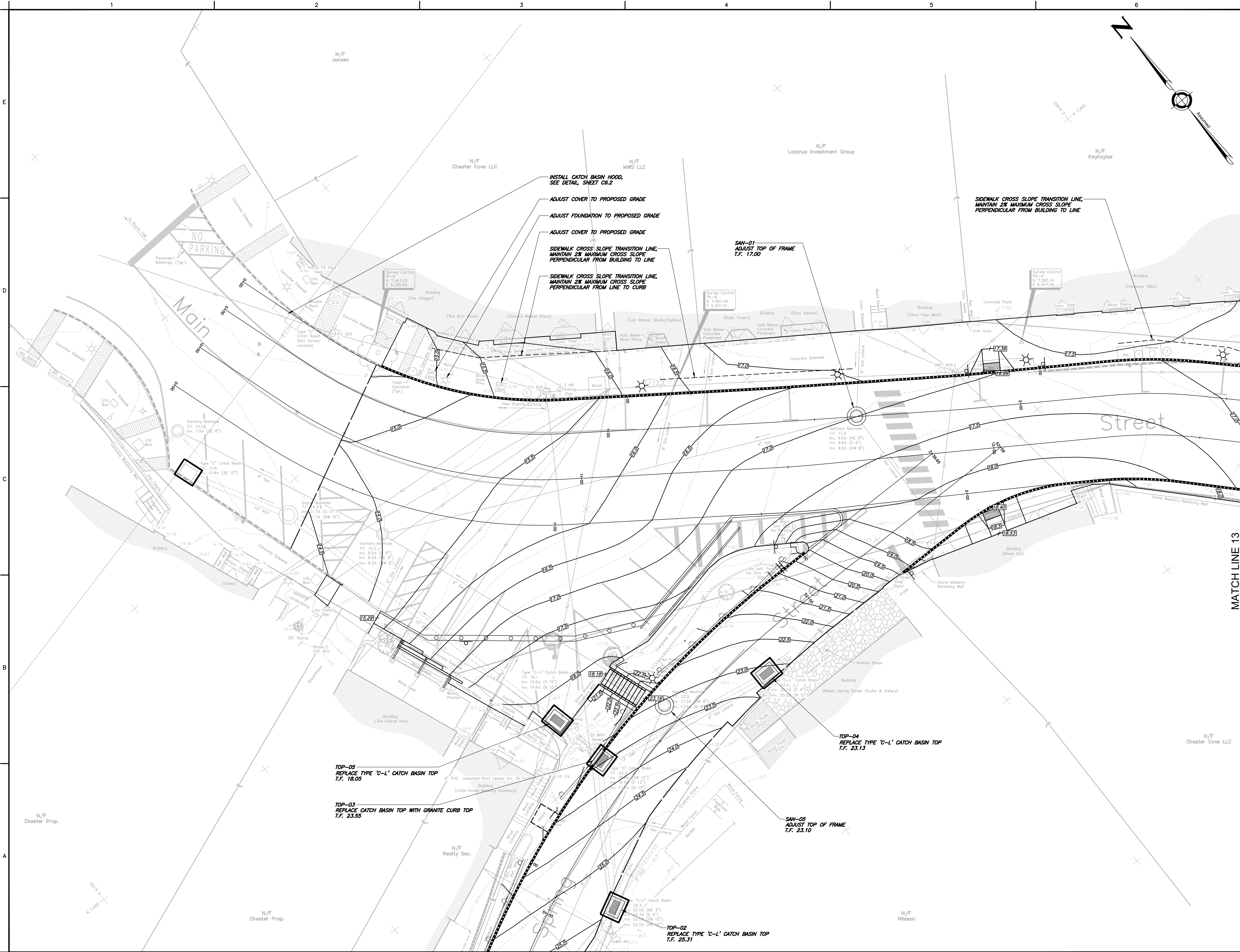
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.: C4.2
SCALE: 1"=10'	
PROJECT No.: 0100110	
CADD FILE: 0100110SP	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED:	



I:\Civil\3D\001001100\_Production Drawings\CD\001001100\ISP.dwg, Gnd-1, 9/20/2019 1:44:51 PM, AutoCAD PDF (General Documentation) pc3, 1:1



**NOTES:**

1. SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

GRAPHIC SCALE  
SCALE: 1"=10'

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

GRADING, UTILITY AND  
EROSION AND SEDIMENT  
CONTROL PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street, P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

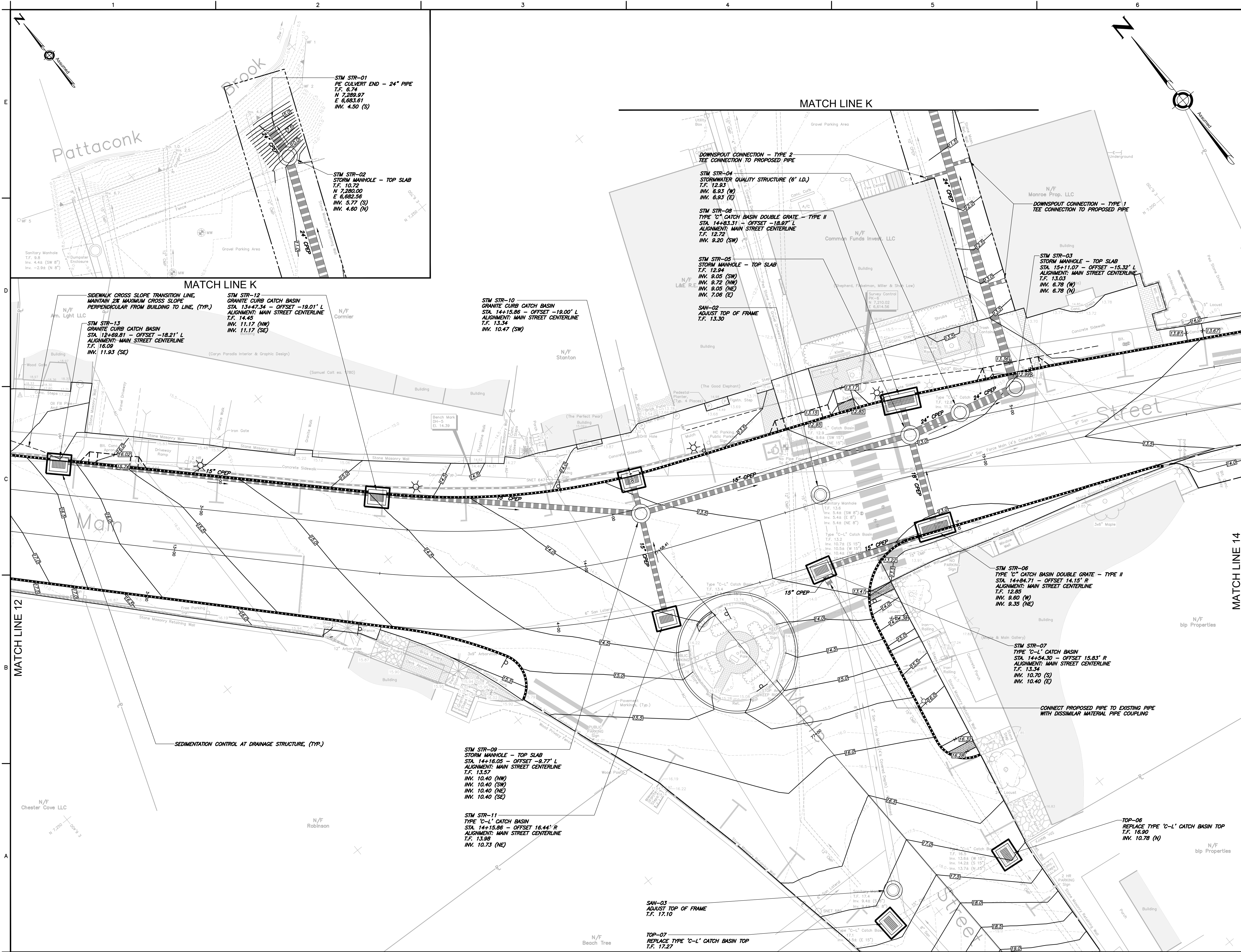
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

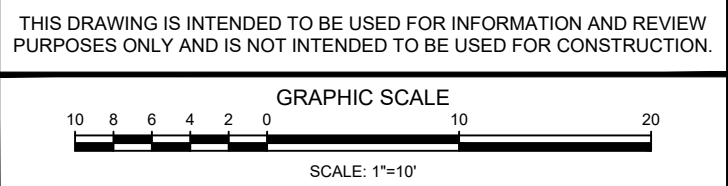
DATE: SEPTEMBER 2019	SHEET No.: C5.0
SCALE: 1"=10'	
PROJECT No.: 00100110	
CADD FILE: 0100110SP	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED:	

MATCH LINE J - SEE SHEET 14 FOR CONTINUATION





NOTES:  
1. SEE SHEET C1.0 FOR PROJECT NOTES.



TOWN OF  
CHESTER, CONNECTICUT  
  
MAIN STREET  
IMPROVEMENTS  
PHASE 3

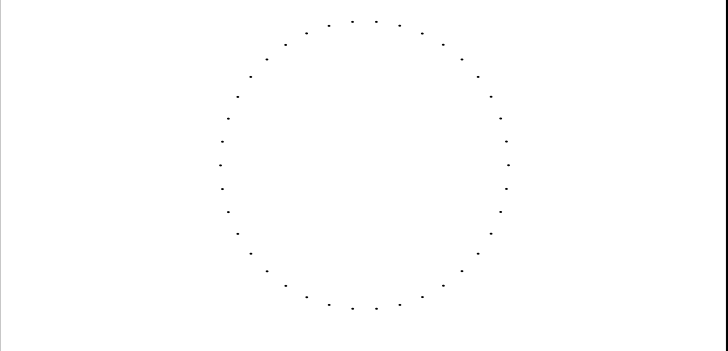
GRADING, UTILITY AND  
EROSION AND SEDIMENT  
CONTROL PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL



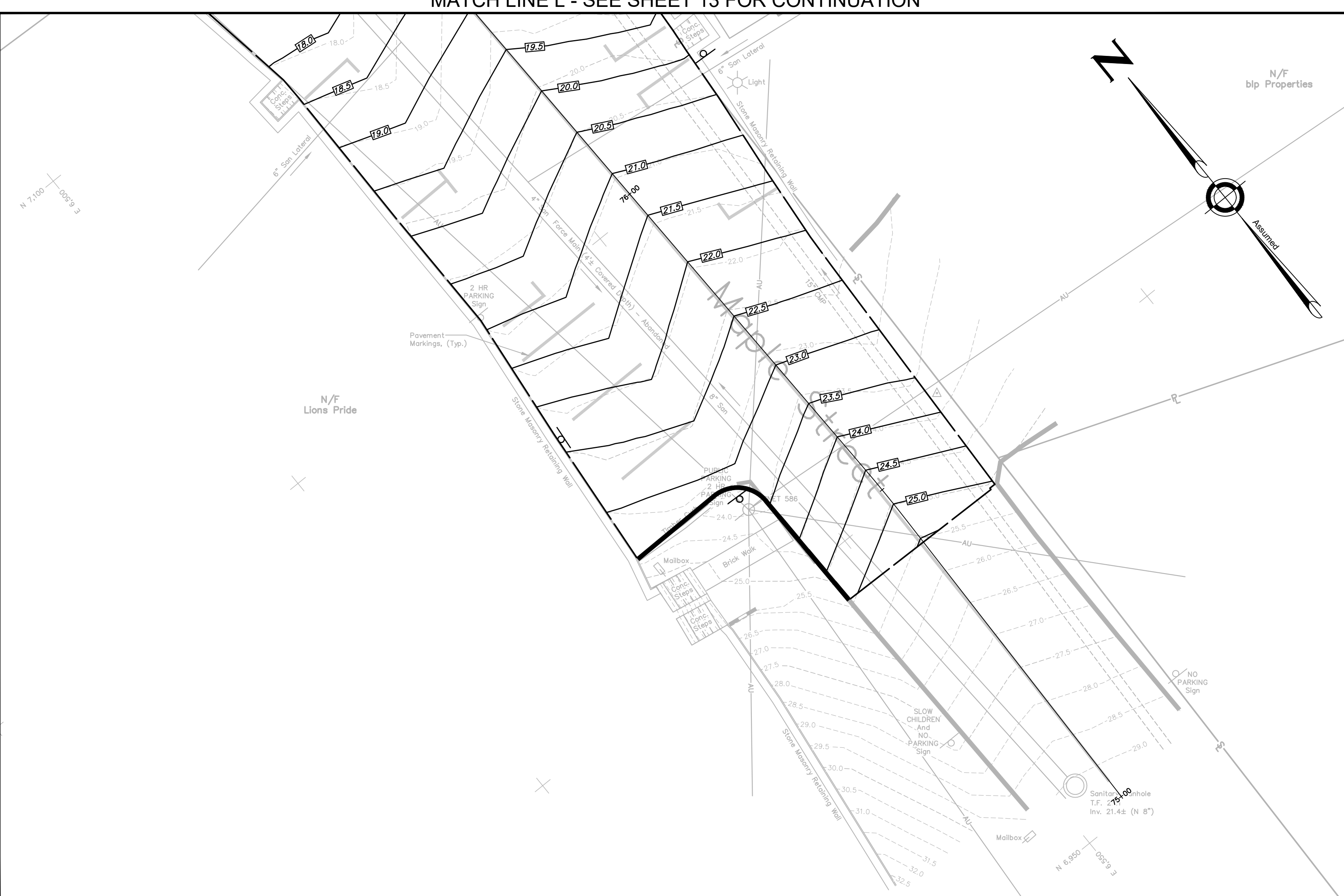
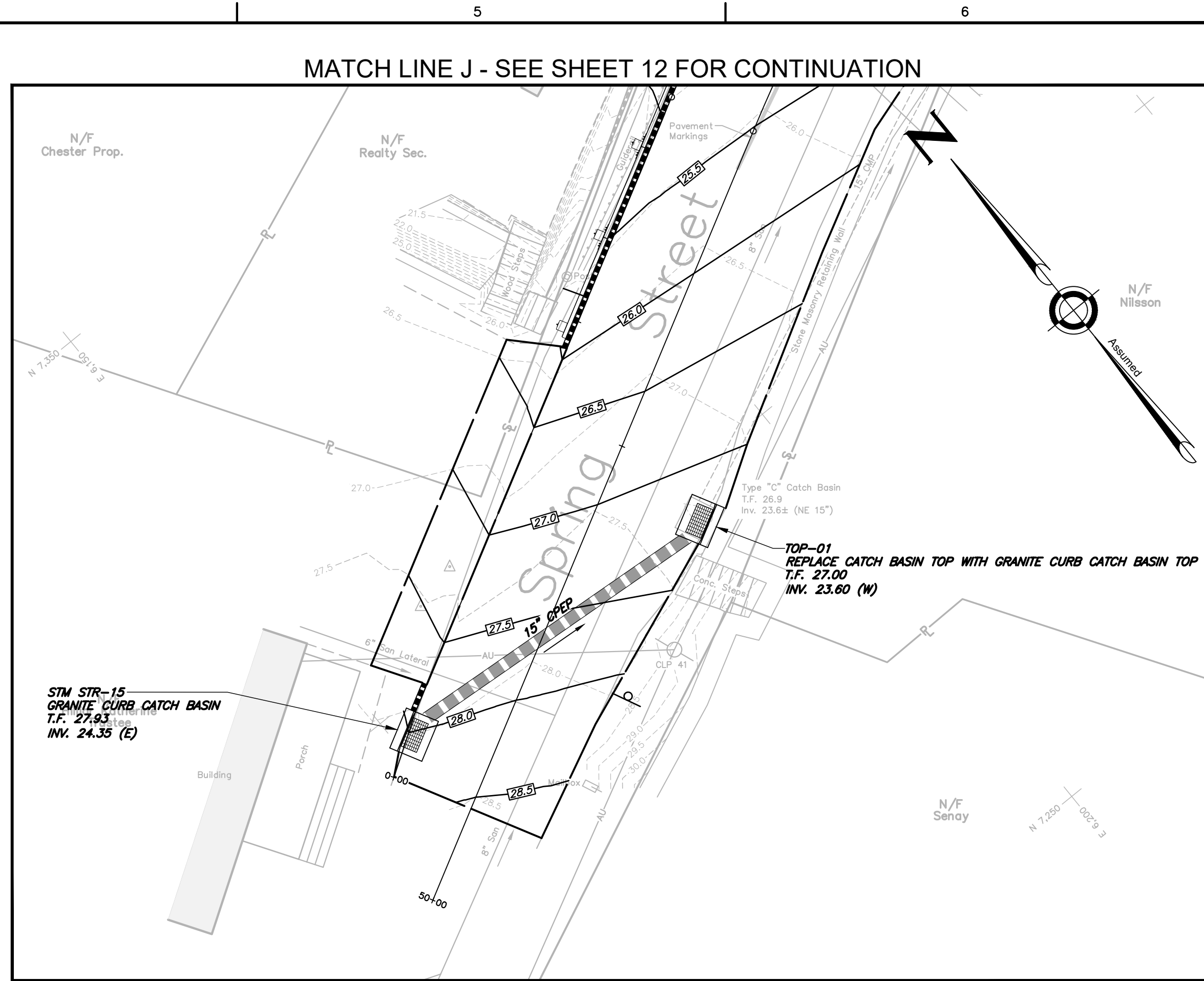
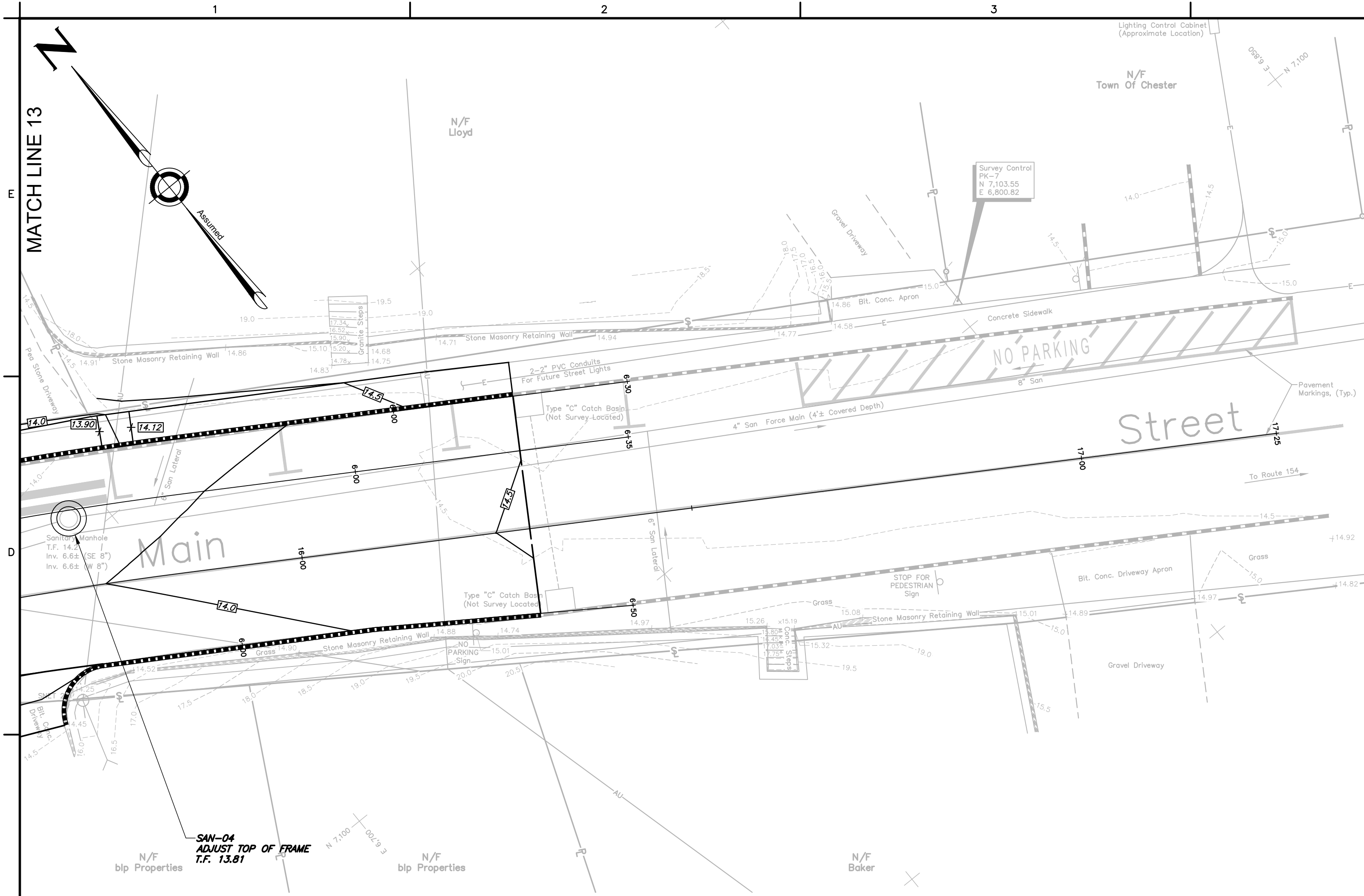
AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.: C5.1
SCALE: 1"=10'	
PROJECT No.: 0100110	
CADD FILE: 0100110SP	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED: -	





**NOTES:**

1. SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

GRAPHIC SCALE  
10 8 6 4 2 0 10 20  
SCALE: 1"=10'

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

GRADING, UTILITY AND  
EROSION AND SEDIMENT  
CONTROL PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE:	SEPTEMBER 2019	SHEET No.:  <b>C5.2</b>
SCALE:	1"=10'	
PROJECT No.:	00100110	
CADD FILE:	0100110SP	
DESIGNED:	ALM	
DRAWN:	AJG	
CHECKED:		



## PROJECT NARRATIVE:

THE SUBJECT PROJECT INCLUDES FULL DEPTH ROADWAY RECONSTRUCTION, STORM DRAINAGE IMPROVEMENTS, SITE LIGHTING, SIDEWALK CONSTRUCTION, LANDSCAPING AND APPURTENANT WORK.

ADDRESS OF PROPOSED USE:

MAIN STREET  
CHESTER, CT 06412

ADDRESS AND PHONE NUMBER OF OWNERS AGENT:

MR. JOHN DAVIS, ROAD FOREMAN  
12 GROTE ROAD  
CHESTER, CT 06412  
860-526-0013 EXT. 202

ADDRESS OF PROPERTY OWNER:

TOWN OF CHESTER, CONNECTICUT  
20 MODERIES AVENUE  
CHESTER, CT 06412

## CONSTRUCTION SCHEDULING:

IT IS PROPOSED TO PERFORM CONSTRUCTION IN THE SPRING OF 2020. IN GENERAL, THE SEQUENCE FOR CONSTRUCTION AND SITE STABILIZATION MAY BE AS FOLLOWS:

1. INSTALL MAINTENANCE AND PROTECTION OF TRAFFIC MEASURES.
2. INSTALL SEDIMENT AND EROSION CONTROL MEASURES.
3. SAWCUT PAVEMENTS.
4. TRENCH AND INSTALL UNDERGROUND UTILITIES.
5. INSTALL SITE LIGHT FOUNDATIONS.
6. REMOVE OLD AND INSTALL NEW GRANITE CURBING.
7. CONSTRUCT STAIRS AND CEMENT RUBBER MASONRY WALLS.
8. REMOVE EXISTING SIDEWALKS AND INSTALL NEW SIDEWALKS.
9. REMOVE EXISTING ROADWAY PAVEMENT.
10. ADJUST UTILITY TOP OF FRAMES.
11. CONSTRUCT NEW ROADWAY PAVEMENT.
12. INSTALL LANDSCAPING SITE FEATURES.
13. INSTALL SITE LIGHTING.
14. REMOVE MAINTENANCE AND PROTECTION OF TRAFFIC MEASURES.
15. REMOVE EROSION AND SEDIMENT CONTROL MEASURES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT THIS PROJECT WILL BE RESPONSIBLE FOR IMPLEMENTATION OF SEDIMENT AND EROSION CONTROL MEASURES ON THIS SITE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR WILL PROVIDE THE CHESTER INLAND WETLANDS EMPLOYMENT OFFICER, TOWN ENGINEER AND ZONING ENFORCEMENT OFFICER WITH THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RESPONSIBLE PERSON. SHOULD ANY PROBLEMS OCCUR, THEN THE OWNERS AGENT SHOULD BE CONTACTED.

## CONTINGENCY PLAN

A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE OWNERS AGENT AND THE TOWN ENGINEER WITH THE NAMES AND TELEPHONE NUMBERS OF THE RESPONSIBLE PERSONS TO BE CONTACTED IN THE EVENT OF AN EROSION AND/OR SEDIMENT CONTROL PROBLEM.

THE CONTRACTOR SHALL AT ALL TIMES KEEP SUFFICIENT ADDITIONAL SEDIMENTATION CONTROL FENCE AND/OR HAY BALES ON THE PROJECT TO CONTROL EROSION AND SEDIMENTATION. THE CONTRACTOR SHALL TAKE REASONABLE CARE TO LIMIT THE EROSION AND SEDIMENTATION. THE CONTRACTOR SHALL PROMPTLY STABILIZE THE PROBLEM AND CONTAIN ANY SEDIMENT AND THEN NOTIFY THE OWNERS AGENT.

## EROSION AND SEDIMENT CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN FOR THE PROJECT.

THE MINIMUM STANDARDS FOR ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE THOSE OUTLINED IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST REVISION. ALTERNATIVE MEASURES, METHODS, MEANS AND TECHNIQUES MAY BE ALLOWED WITH THE PRIOR APPROVAL OF THE OWNERS AGENT.

## GENERAL GUIDELINES:

1. NO CONSTRUCTION ACTIVITY SHALL TAKE PLACE WITHIN AREAS DESIGNATED AS INLAND WETLANDS, WATERCOURSES OR FLOODPLAINS, DESIGNATED UPLAND REVEAL ZONES OR WITHIN STREAM CHANNEL, ENCROACHMENT LINES WITHOUT ALL REQUIRED APPROVALS AND PERMITS.
2. TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
3. ALL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED CONTINUOUSLY AND SHALL NOT BE REMOVED UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.
4. THE CONTRACTOR SHALL LIMIT THE DISTURBANCE OF LAND TO THOSE AREAS SHOWN ON THE DRAWINGS AND SHALL TAKE REASONABLE CARE TO PROTECT AND PRESERVE EXISTING VEGETATION WITHIN THE LIMITS OF DISTURBANCE WHERE FEASIBLE.
5. WHERE PRACTICABLE, THE CONTRACTOR SHALL PLAN HIS CONSTRUCTION OPERATIONS SO AS TO LIMIT THE AREAS OF EXPOSED SOIL TO AREAS ACTIVELY UNDER CONSTRUCTION. THE CONTRACTOR SHALL TAKE REASONABLE CARE TO LIMIT THE PERIOD OF EXPOSURE OF DISTURBED AREAS. THE INSTALLATION OF PERMANENT VEGETATIVE MEASURES SHALL BE ACCOMPLISHED AS SOON AS IS PRACTICABLE.
6. ADEQUATE PROVISIONS SHALL BE TAKEN TO PROTECT ALL EXPOSED CUT AND FILL SLOPES FROM SURFACE WATER FLOW DAMAGE.
7. ALL MATERIAL FROM CLEARING AND GRUBBING OPERATIONS SHALL BE DISPOSED OF IN A LAWFUL MANNER.
8. WATER FROM DEWATERING OPERATIONS SHALL NOT BE DISCHARGED DIRECTLY TO ANY WETLAND OR WATERCOURSE. SUCH WATER SHALL BE DISCHARGED TO AN APPROVED SEDIMENT BASIN AND/OR FILTER DEVICE OR TO A STORM DRAINAGE SYSTEM ONLY WHEN APPROVED. NO WATER FROM DEWATERING OPERATIONS SHALL BE DISCHARGED INTO A SANITARY SEWER SYSTEM.
9. THE STORAGE, WASHING, FUELING AND MAINTENANCE OF EQUIPMENT AND VEHICLES SHALL TAKE PLACE IN DESIGNATED AREAS ONLY. IN THE EVENT OF A CONTAMINANT SPILL, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION OFFICE AND CHEMICAL SPILL RESPONSE DIVISION (860-424-3338) AND THE OWNERS AGENT.

## PRESERVE AND CONSERVE SOIL

### TOPSOILING

#### MATERIALS

SITE INVESTIGATIONS SHALL BE MADE TO DETERMINE IF THERE IS A SUFFICIENT QUANTITY OF TOPSOIL OF GOOD QUALITY ON THE SITE TO JUSTIFY STRIPPING. HIGH QUALITY TOPSOIL SHALL BE FRAGILE AND LOAMY (LOAM, SANDY LOAM, SILT LOAM, SANDY CLAY LOAM, CLAY LOAM). OTHER SOIL TYPES WITH HIGH ORGANIC CONTENT MAY BE FOUND SUITABLE AFTER TESTING. IT SHALL BE FREE OF DEBRIS, TRUNKS, STUMPS, ROOTS AND NOXIOUS WEEDS. IT SHALL GIVE EVIDENCE OF BEING ABLE TO SUPPORT HEALTHY VEGETATION. IT SHALL CONTAIN NO SUBSTANCE THAT IS POTENTIALLY TOXIC TO PLANT GROWTH.

ALL TOPSOIL SHALL BE TESTED BY A RECOGNIZED LABORATORY TO DETERMINE THE PROPER APPLICATION RATES OF LIME AND FERTILIZER.

#### INSTALLATION REQUIREMENTS

1. STRIPPING OF TOPSOIL SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. THE DEPTH OF REMOVAL MAY VARY DEPENDING ON THE SITE CONDITIONS. ALL SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO BEGINNING STRIPPING OPERATIONS.
2. TOPSOIL SHALL BE STOCKPILED IN SUCH A MANNER THAT NATURAL SURFACE WATER FLOW IS NOT OBSTRUCTED AND NO OFF-SITE SEDIMENT DAMAGE SHALL RESULT.
3. SIDE SLOPES OF STOCKPILES SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
4. A SEDIMENT BARRIER SHALL SURROUND ALL TOPSOIL STOCKPILES.
5. TEMPORARY SEEDING OF STOCKPILES SHALL BE COMPLETED WITHIN 30 DAYS OF THE FORMATION OF THE STOCKPILE IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE COVER REQUIREMENTS.
6. PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE DRAWINGS.
7. WHERE THE PH OF THE SUBSOIL IS 6.0 OR LESS, GROUND AGRICULTURAL LIMESTONE SHALL BE SPREAD IN ACCORDANCE WITH THE SOIL TEST TO A PH OF 6.0 TO 6.5 OR THE VEGETATIVE ESTABLISHMENT PRACTICE BEING USED.
8. AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, AND IMMEDIATELY PRIOR TO SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENEED BY DISCING OR SCARIFYING OR TRACKING TO A DEPTH OF AT LEAST 4 INCHES TO REMOVE THE CRUSTING OF THE TOPSOIL AND SUBSOIL.
9. TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING. THE TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM COMPACTED DEPTH OF 8 INCHES. UNLESS OTHERWISE NOTED, ANY INCONSISTENCIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
10. TOPSOIL SHALL BE COMPACTED ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL AND TO OBTAIN A UNIFORM FIRM SEEDBED FOR THE ESTABLISHMENT OF A DURABLE TURF. UNIFORM COMPACTON IS TO BE AVOIDED AS IT INCREASES RUNOFF VOLUME AND VOLUME, AND PREVENTS SEED GERMINATION.
11. IMMEDIATELY FOLLOWING TOPSOIL APPLICATION, PROTECT THE TOPSOIL FROM EROSION BY EITHER SODDING, SEEDING AND/OR MULCHING.

## LAND GRADING

1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
2. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
3. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.
4. FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS AND OTHER OBJECTIONABLE MATERIALS.
5. FROZEN MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
6. FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION.
7. TOPSOILING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REQUIREMENTS FOR TOPSOILING.
8. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.

## DUST CONTROL

### WATER

1. THE EXPOSED SOIL SURFACE SHALL BE MOISTENED PERIODICALLY WITH ADEQUATE QUANTITIES OF WATER TO CONTROL DUST.

#### STONE

1. COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. IN AREAS ADJACENT TO WATERWAYS USE CHEMICALLY STABLE AGGREGATE.

#### MAINTENANCE

1. WHEN TEMPORARY DUST CONTROL MEASURES ARE USED, REPETITIVE TREATMENT SHALL BE APPLIED AS NEEDED TO

ACCOMPLISH CONTROL.

## VEGETATIVE SOIL COVER

### TEMPORARY SEEDING

#### INSTALLATION REQUIREMENTS

##### SITE PREPARATION

1. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH THE REQUIREMENTS FOR LAND GRADING.
2. INSTALL NEEDED EROSION CONTROL MEASURES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, SEDIMENT BASINS AND GRASSED WATERWAYS.

##### SEEDBED PREPARATION

1. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS THOSE OFFERED BY THE UNIVERSITY OF CONNECTICUT SOIL TEST AND LABORATORY. SOIL SAMPLE MATERIALS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE THERE IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 30 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT. APPLY LIMESTONE EQUIVALENT TO 90 PERCENT CALCIUM PLUS MAGNESIUM (C90M) AS FOLLOWS:

SOIL TEXTURE	TONS/ACRE	LB/81,000 SQUARE FEET
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	3	135
SANDY LOAM, LOAM, SILT LOAM	2	90
LOAMY SAND, SAND	1	45

REFER TO COUNTY SOIL SURVEY REPORT FOR SOIL TEXTURES AT THE SITE.

##### SEEDING

1. ANNUAL RYE GRASS 40 LBS/ACRE, 1.18 TONS/81,000 SF
2. WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER LIME AND SEED.
3. APPLY SEED UNIFORMLY BY HAND, CYCLOME SEEDER, DRILL, CULTPACKER TYPE SEEDER OR HYDROSEEDER. HYDROSEEDING WHICH INCLUDES MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES WILL BE INCREASED BY 10 PERCENT WHEN HYDROSEEDING.
4. SPRING SEEDINGS USUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED LEGUMES IS RECOMMENDED. HOWEVER, LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 1 CAN BE MADE. WHEN CROWN VETCH IS SEEDS IN LATE SUMMER AT LEAST 3% PERCENT OF THE SEED SHOULD BE HAND SEED UNANCHORED. THE RECOMMENDED SEEDING DATES ARE:

MARCH 15 THROUGH JUNE 15  
AUGUST 15 THROUGH OCTOBER 15

##### PERMANENT SEEDING

#### INSTALLATION REQUIREMENTS

1. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH THE REQUIREMENTS FOR LAND GRADING.

##### SEEDBED PREPARATION

1. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS SUCH AS THOSE OFFERED BY THE UNIVERSITY OF CONNECTICUT SOIL TEST AND LABORATORY. SOIL SAMPLE MATERIALS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 30 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEET USING 10-10-10 OR EQUIVALENT. IN ADDITION, 30 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT. APPLY LIMESTONE EQUIVALENT TO 90 PERCENT CALCIUM PLUS MAGNESIUM (C90M) AS FOLLOWS:

SOIL TEXTURE	TONS/ACRE	LB/81,000 SQUARE FEET
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	3	135
SANDY LOAM, LOAM, SILT LOAM	2	90
LOAMY SAND, SAND	1	45

REFER TO COUNTY SOIL SURVEY REPORT FOR SOIL TEXTURES AT THE SITE.

2. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHALL BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILT CLAYS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.
3. REMOVE FROM THE SURFACE ALL STONES ONE AND ONE-QUARTER INCHES OR LARGER IN ANY DIMENSION UNLESS THEY ARE SMALL SPECIFICALLY NOTED ON THE DRAWINGS. REMOVE ALL OTHER DEBRIS SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS OR OTHER UNSUITABLE MATERIAL.
4. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.

##### SEEDING DATES

1. SPRING SEEDINGS USUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED MIXES WITH LEGUMES IS RECOMMENDED. HOWEVER, LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 15 CAN BE MADE. WHEN CROWN VETCH IS SEEDS IN LATE SUMMER AT LEAST 3% PERCENT OF THE SEED SHOULD BE HAND SEED UNANCHORED. THE RECOMMENDED SEEDING DATES ARE:

MARCH 15 THROUGH JUNE 15  
SEPTEMBER 1 THROUGH OCTOBER 15

##### SEEDING

1. UNLESS OTHERWISE SPECIFIED, THE SEED MIXTURE SHALL BE NEW ENGLAND CONSERVATION/LDWLIFE MIX FROM NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA, OR ACCEPTED SUBSTITUTION.
2. APPLY SEED UNIFORMLY BY HAND, CYCLOME SEEDER, DRILL, CULTPACKER TYPE SEEDER OR HYDROSEEDER. NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING WHICH ARE MULCHED MAY BE LEFT ON SOIL SURFACE.
3. WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
4. FROST CRACK SEEDING MUST BE DONE IN LATE WINTER OR EARLY SPRING, SUITABLE WEATHER CONDITIONS ARE FREEZING NIGHTS AND THAWING DAYS WITH LITTLE OR NO SNOW COVER. SEEDING RATES MUST BE INCREASED 10 PERCENT WHEN USING THIS METHOD.
5. HYDRAULIC APPLICATION (HYDROSEEDING) IS A SUITABLE METHOD FOR USE ON CRITICAL AREAS. WHEN HYDROSEEDING, A SEEDBED IS PREPARED IN THE CONVENTIONAL WAY OR BY HAND RAKING TO LOOSEN AND SMOOTH THE SOIL AND TO REMOVE SURFACE STONES. LIME AND FERTILIZER MAY BE APPLIED TO THE SOIL SURFACE. MULCH MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF FIBER MULCH ON CRITICAL AREAS IS NOT RECOMMENDED UNLESS IT IS USED TO HOLD STRAW OR HAY. FIBER MULCH DOES NOT PROVIDE ADEQUATE SEEDBED PROTECTION. BETTER PROTECTION IS GAINED BY USING STRAW MULCH AND HOLDING IT WITH ADHESIVE MATERIALS (30 POUNDS PER ACRE OF WOOD FIBER MULCH. SEEDING RATES MUST BE INCREASED BY 10 PERCENT WHEN HYDROSEEDING.
6. APPLY MULCH ACCORDING TO THE TEMPORARY MULCHING MEASURE.
7. IF SEEDING CANNOT BE DONE WITHIN THE SEEDING DATES, USE THE TEMPORARY MULCHING MEASURE TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.

##### MAINTENANCE

1. LIME ACCORDING TO A SOIL TEST OR AT A MINIMUM OF EVERY FIVE YEARS USING A RATE OF TWO TONS PER ACRE (100 POUNDS PER 1,000 SQUARE FEET).
2. WHERE LEGUMES PREDOMINATE, FERTILIZE ACCORDING TO A SOIL TEST OR BROADCAST BIENNIALY, 300 POUNDS OF 10-10-10 OR EQUIVALENT PER ACRE (7.5 POUNDS PER 1,000 SQUARE FEET).
3. WHERE LEGUMES PREDOMINATE, FERTILIZE ACCORDING TO A SOIL TEST OR BROADCAST EVERY THREE YEARS 300 POUNDS OF 10-10-10 PER ACRE OR EQUIVALENT (7.5 POUNDS PER 1,000 SQUARE FEET).

## NON-LIVING SOIL PROTECTION

### MULCH FOR SEED

#### MATERIALS

1. SELECT MULCH MATERIALS BASED ON SITE CONDITIONS, AVAILABILITY OF MATERIALS AND LABOR AND EQUIPMENT. OTHER MATERIALS MAY BE USED ONLY WITH THE PERMISSION OF THE APPROVING AUTHORITY.

#### INSTALLATION REQUIREMENTS

##### ORGANIC MULCHES

1. ORGANIC MULCHES MAY BE USED IN ANY AREA WHERE MULCH IS REQUIRED, SUBJECT TO THE RESTRICTIONS NOTED BELOW:

MULCHES	RATES	PER 1,000 SQUARE FEET
STRAW OR HAY	1 1/2 - 2 TONS	35-45 LBS

##### APPLICATION

1. MULCH MATERIALS SHALL BE SPREAD UNIFORMLY, BY HAND OR MACHINE. WHEN SPREADING STRAW OR HAY MULCH BY HAND, COVER THE AREA TO BE MULCHED INTO APPROXIMATELY 1,000 SQUARE FOOT SECTIONS AND PLACE 35-45 POUNDS (34 TO 1 BALES) OF STRAW OR HAY IN EACH SECTION TO ENSURE UNIFORM DISTRIBUTION.

##### ANCHORING

1. HAY OR STRAW MULCHES MUST BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT WINDLOUING. HAY OR STRAW MULCH MAY BE ANCHORED BY TRACKING WITH CONSTRUCTION EQUIPMENT, BUT NOT BY USING NETTING.

##### MAINTENANCE

1. ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. WHERE EROSION IS OBSERVED, ADDITIONAL MULCH SHOULD BE APPLIED. NETS SHALL BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, REINSTALL NET AS NECESSARY AFTER REPAIRING DAMAGE TO THE NETS. INSPECTIONS SHALL TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. GRASSES SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED WHICH IS MATURE ENOUGH TO RESIST EROSION AND TO SURVIVE SEVERE WEATHER CONDITIONS. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE. REPAIR AS NEEDED.

## TEMPORARY EROSION CONTROL BLANKET

### DEFINITION

1. A MANUFACTURED BLANKET COMPOSED OF BIODEGRADABLE/PHOTODEGRADABLE NATURAL OR POLYMER FIBERS AND/OR FILAMENTS THAT HAVE BEEN MECHANICALLY, STRUCTURALLY OR CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX.

## PURPOSE

1. TO PROVIDE TEMPORARY SURFACE PROTECTION TO NEWLY SEEDED AND/OR DISTURBED SOILS TO ABSORB RAINFALL IMPACT AND TO REDUCE SHEET AND RILL EROSION AND TO ENHANCE THE ESTABLISHMENT OF VEGETATION.
2. ON DISTURBED SOILS WHERE SLOPES ARE 2:1 OR FLATTER.
3. WHERE WIND AND TRAFFIC GENERATED AIR FLOW MAY DISLOOSE STANDARD, UNARMORED MULCHES.
4. MAY BE USED AS A SUBSTITUTE FOR TEMPORARY SOIL PROTECTION.
5. MAY BE USED AS A SUBSTITUTE FOR MULCH FOR SEED.

## PLANNING CONSIDERATION

1. THE SUCCESS OF TEMPORARY EROSION CONTROL BLANKETS IS DEPENDENT UPON STRICT ADHERENCE TO THE MANUFACTURERS INSTALLATION RECOMMENDATIONS.

## MATERIALS

1. TEMPORARY EROSION CONTROL BLANKETS SHALL BE COMPOSED OF FIBERS AND/OR FILAMENTS THAT:
  - A. ARE BIODEGRADABLE OR PHOTODEGRADABLE WITHIN TWO YEARS BUT WITHOUT SUBSTANTIAL DEGRADATION OVER THE PERIOD OF INTENDED USAGE (FIVE MONTHS MAXIMUM).
  - B. ARE MECHANICALLY, STRUCTURALLY OR CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX OF EVEN THICKNESS AND DISTRIBUTION THAT RESIST RAINFALL SPLASH AND WHEN USED WITH SEEDINGS ALLOW VEGETATION TO PENETRATE THE BLANKET.
  - C. ARE OF SUFFICIENT STRUCTURAL STRENGTH TO WITHSTAND STRETCHING OR MOVEMENT BY WIND OR WATER WHEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
  - D. ARE FREE OF ANY SUBSTANCE TOXIC TO PLANT GROWTH AND UNPROTECTED HUMAN SKIN OR WHICH INTERFERES WITH SEED GERMINATION.
  - E. CONTAIN NO CONTAMINANTS THAT POLLUTE THE AIR OR WATERS OF THE STATE WHEN PROPERLY APPLIED.
  - F. PROVIDE EITHER 80% - 90% SOIL COVERAGE WHEN USED AS A SUBSTITUTE FOR MULCH FOR SEED OR 100% SOIL COVER COVERAGE WHEN USED AS A SUBSTITUTE FOR TEMPORARY SOIL PROTECTION MEASURE, AND:
  - G. DO NOT CONTAIN NETTING.

2. MATERIALS SHALL BE SELECTED AS APPROPRIATE FOR THE SPECIFIC SITE CONDITIONS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. USE OF ANY PARTICULAR TEMPORARY EROSION CONTROL BLANKET SHOULD BE SUPPORTED BY MANUFACTURERS TEST DATA THAT CONFIRMS THE BLANKET MEETS THESE MATERIAL SPECIFICATIONS AND WILL PROVIDE THE SHORT TERM EROSION CONTROL CAPABILITIES NECESSARY FOR THE SPECIFIC PROJECT.

## SITE PREPARATION AND INSTALLATION

1. PREPARE THE SURFACE. REMOVE PROTRUDING OBJECTS AND INSTALL TEMPORARY EROSION CONTROL BLANKETS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. ENSURE THAT THE ORIENTATION AND ANCHORING OF THE BLANKET IS APPROPRIATE FOR THE SITE.
2. THE BLANKET CAN BE LAID OVER AREAS WHERE SPRIGGED GRASS SEEDLINGS HAVE BEEN INSERTED INTO THE SOIL.
3. WHERE LANDSCAPE PLANTINGS ARE PLANNED, LAY THE BLANKET FIRST AND THEN PLANT THROUGH THE BLANKET IN ACCORDANCE WITH LANDSCAPE PLANTING MEASURE.
4. INSPECT THE INSTALLATION TO INSURE THAT ALL LAP JOINTS ARE SECURE. ALL EDGES ARE PROPERLY ANCHORED AND ALL STAKING OR STAPLING PATTERNS FOLLOW MANUFACTURERS RECOMMENDATIONS.

## MAINTENANCE

1. INSPECT TEMPORARY EROSION CONTROL BLANKETS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER (FOR TALLURES, BLANKET AREAS WHERE FAILURE HAS OCCURRED WHEN (1) SOILS AND/OR SEEDS HAVE WASHED AWAY FROM BENEATH THE BLANKET AND THE SOIL SURFACE CAN BE EXPECTED TO CONTINUE TO ERODE AT AN ACCELERATED RATE, AND/OR (2) THE BLANKET HAS BECOME DISLOADED FROM THE SOIL SURFACE OR TORN.
2. IF WASHOUTS OR BREAKOUTS OCCUR, RE-INSTALL THE BLANKET AFTER REGRADING AND RE-SEEDING, ENSURING THAT BLANKET INSTALLATION STILL MEETS DESIGN SPECIFICATIONS. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS FOR USE AND DETERMINE IF DIVERSIONS, STONE CHECK DAMS OR OTHER MEASURES ARE NEEDED TO REDUCE FAILURE RATE.
3. REPAIR ANY DISLOADED OR FAILED BLANKETS IMMEDIATELY.
4. WHEN USED AS A SUBSTITUTE FOR MULCH FOR SEED, CONTINUE TO INSPECT AS REQUIRED BY THE SEEDING MEASURE. WHEN USED AS A SUBSTITUTE FOR TEMPORARY SOIL PROTECTION, CONTINUE TO INSPECT UNTIL IT IS REPLACED BY OTHER EROSION CONTROL MEASURES OR UNTIL WORK RESUMES.

## PERMANENT TURF REINFORCEMENT MAT

### DEFINITION

1. A MANUFACTURED MAT COMPOSED OF NON-BIODEGRADABLE POLYMER OR SYNTHETIC FIBERS MECHANICALLY, STRUCTURALLY OR CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX.

### PURPOSE

1. TO PROVIDE PERMANENT TURF REINFORCEMENT WHERE DESIGN FLOWS EXCEED THE STABILITY OF THE SOILS AND/OR PROPOSED VEGETATION.
2. TO ENHANCE THE ESTABLISHMENT OF VEGETATION AS THE FINAL SURFACE PROTECTION.

### APPLICABILITY

1. IN CHANCES WHERE DESIGN VELOCITIES EXCEED THE STABILITY LIMITS OF THE SOIL AND/OR VEGETATION, AS A SHORT-TERM APPROACH IS DESIRED.
2. ON UNSTABLE SLOPES WHERE INTERMITTENT FLOW EXISTS.

3. ON DISTURBED SLOPES WITH SLOPES 2:1 OR FLATTER, ON SHORELINES ABOVE A PROTECTED OR STABLE TIDE TO REDUCE SOIL EROSION.

## PLANNING CONSIDERATIONS

1. AS A RULE OF THUMB, WHEN FLOWS OVER EXPOSED SOILS EXCEED 2 FEET PER SECOND AND FLOWS OVER PROPOSED TURF AREAS EXCEED 5-6 FEET PER SECOND, THEN SOIL EROSION CAN BE EXPECTED.

## DESIGN CRITERIA

1. WHERE TURF REINFORCEMENT MATS ARE USED IN AREAS OF CONCENTRATED FLOWS AN ENGINEERED DESIGN IS REQUIRED. FOR OTHER APPLICATIONS REFER TO THE MANUFACTURERS RECOMMENDATIONS.

## MATERIAL

### PERMANENT TURF REINFORCEMENT MATS SHALL:

1. CONSIST OF ULTRAVIOLET LIGHT RESISTANT POLYMER OR SYNTHETIC FIBERS MECHANICALLY, STRUCTURALLY, AND/OR CHEMICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX OF CONSISTENT THICKNESS.
2. CONTAIN NO CONTAMINANTS THAT POLLUTE THE AIR OR WATERS OF THE STATE WHEN PROPERLY INSTALLED, AND BE FREE OF ANY SUBSTANCE TOXIC TO PLANT GROWTH AND UNPROTECTED HUMAN SKIN OR WHICH INTERFERES WITH SEED GERMINATION.
3. MATERIALS SHALL BE SELECTED AS APPROPRIATE FOR THE SPECIFIC SITE CONDITIONS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. USE OF ANY PARTICULAR PERMANENT TURF REINFORCEMENT MAT SHOULD BE SUPPORTED BY MANUFACTURERS TEST DATA THAT CONFIRMS THE MAT MEETS THESE MATERIAL SPECIFICATIONS AND WILL PROVIDE THE LONG TERM EROSION CONTROL CAPABILITIES NECESSARY FOR THE SPECIFIC PROJECT, AND:
4. DO NOT CONTAIN NETTING.

## INSTALLATION REQUIREMENTS

1. PREPARE SITE AND INSTALL IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. ESTABLISH VEGETATIVE COVER IN ACCORDANCE WITH THESE GUIDELINES. MODIFY THE SEQUENCE OF APPLICATION TO MEET THE MANUFACTURERS REQUIREMENTS FOR THE SPECIFIC INSTALLATION.
2. INSPECT THE INSTALLATION TO ENSURE THAT THE MAT IS IN DIRECT CONTACT WITH THE PREPARED SOIL SURFACE. ALL LAP JOINTS ARE SECURE, ALL EDGES AND INTERIOR MATS ARE PROPERLY ANCHORED AND/OR TREATED, BACKFILLING FLOWS THE MANUFACTURERS REQUIREMENTS, AND THE VEGETATION CONTROL MEASURES USED HAVE BEEN CORRECTLY APPLIED.

## MAINTENANCE

1. INSPECT PERMANENT TURF REINFORCEMENT MATS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER (FOR TALLURES, UNTIL THE TURF HAS BECOME ESTABLISHED. MAT FAILURE HAS OCCURRED WHEN SOILS AND/OR SEEDS HAVE WASHED AWAY FROM BENEATH OR WITHIN THE MAT RESULTING IN A SOIL SURFACE THAT CAN BE EXPECTED TO CONTINUE TO ERODE OR WHEN THE MAT HAS BECOME DISLOADED FROM THE SOIL SURFACE. WHEN REPETITIVE FAILURES OCCUR AT THE SAME LOCATION, REVIEW CONDITIONS AND LIMITATIONS OF TURF REINFORCEMENT MATS AND DETERMINE IF ADDITIONAL CONTROL, (E.G. DIVERSIONS, STONE CHECK DAMS) ARE NEEDED TO ENSURE SUCCESS. REPAIR MAT FAILURES WITHIN ONE WORK DAY.
2. AFTER THE TURF HAS BECOME ESTABLISHED, INSPECT ANNUALLY OR AFTER MAJOR STORM EVENTS.

## ENERGY DISSIPATORS

### STONE CHECK DAM

#### DEFINITION

1. A TEMPORARY STONE DAM PLACED ACROSS A DRAINAGEWAY.

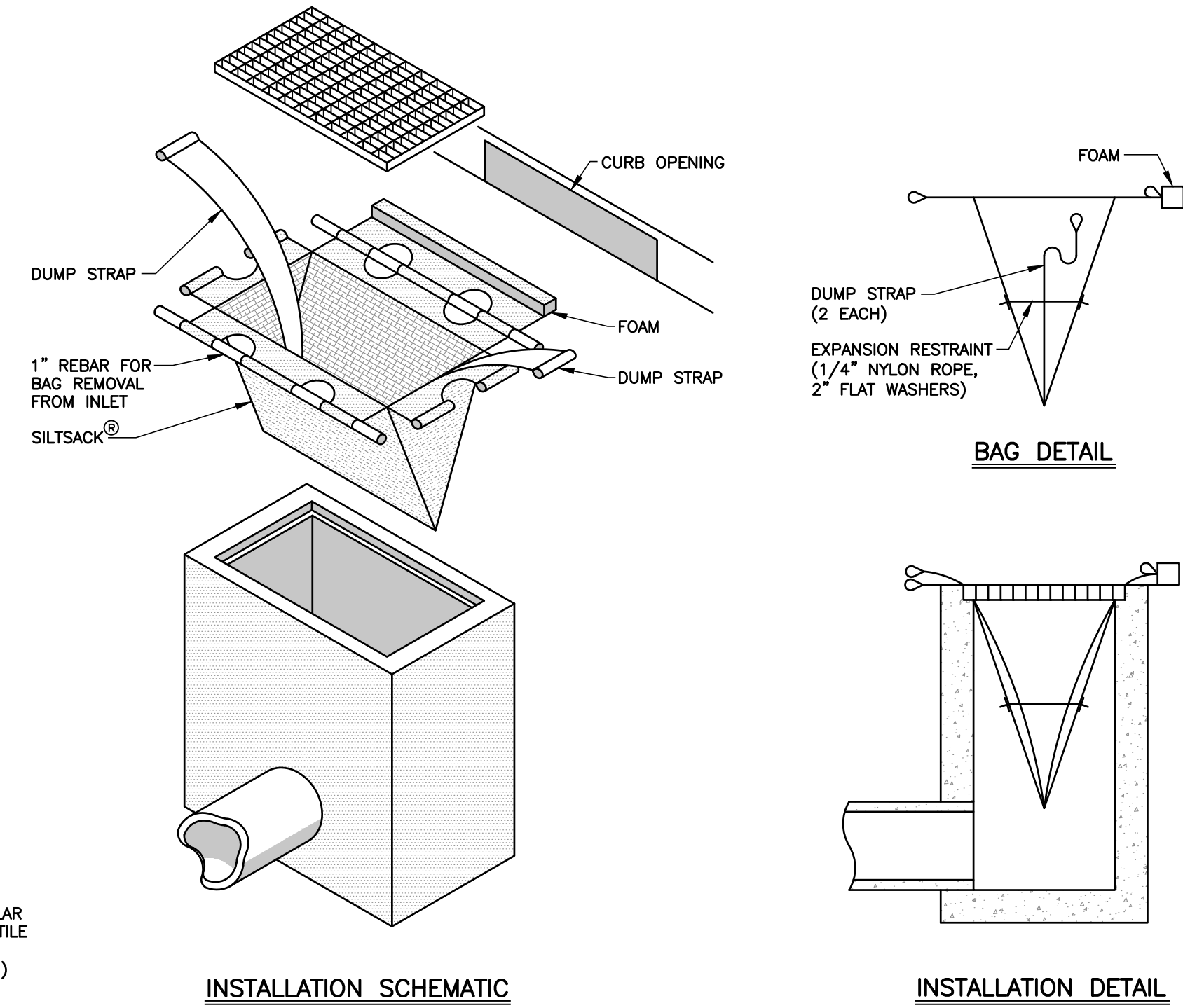
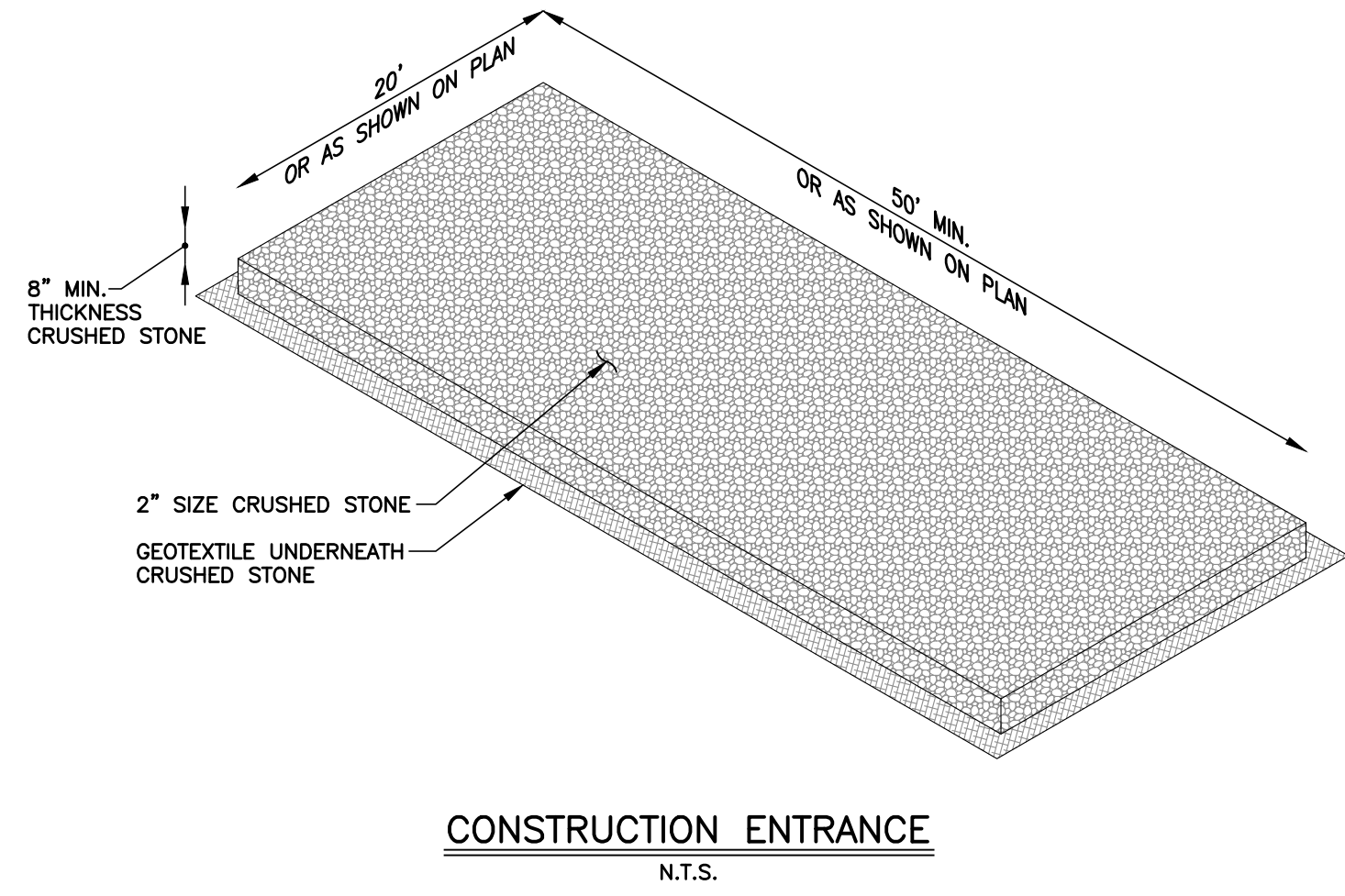
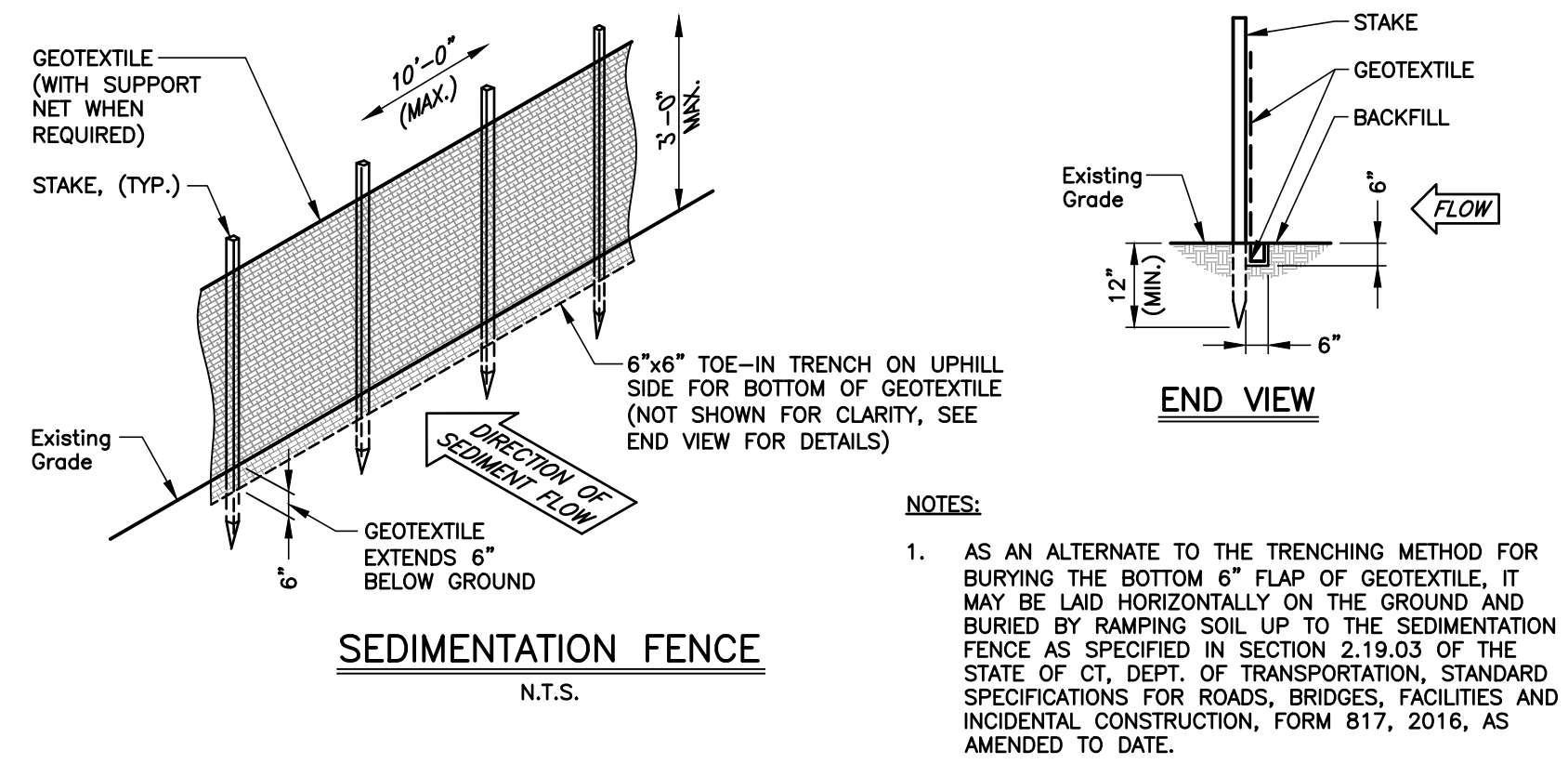
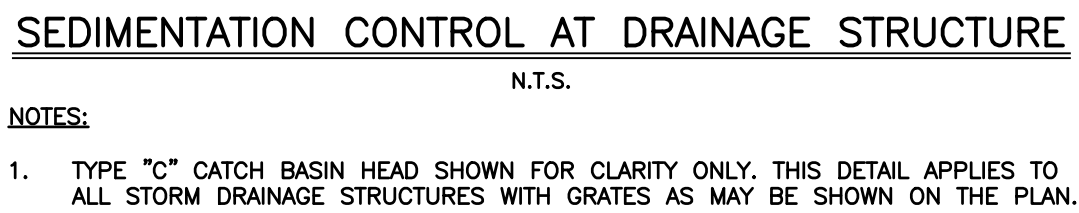
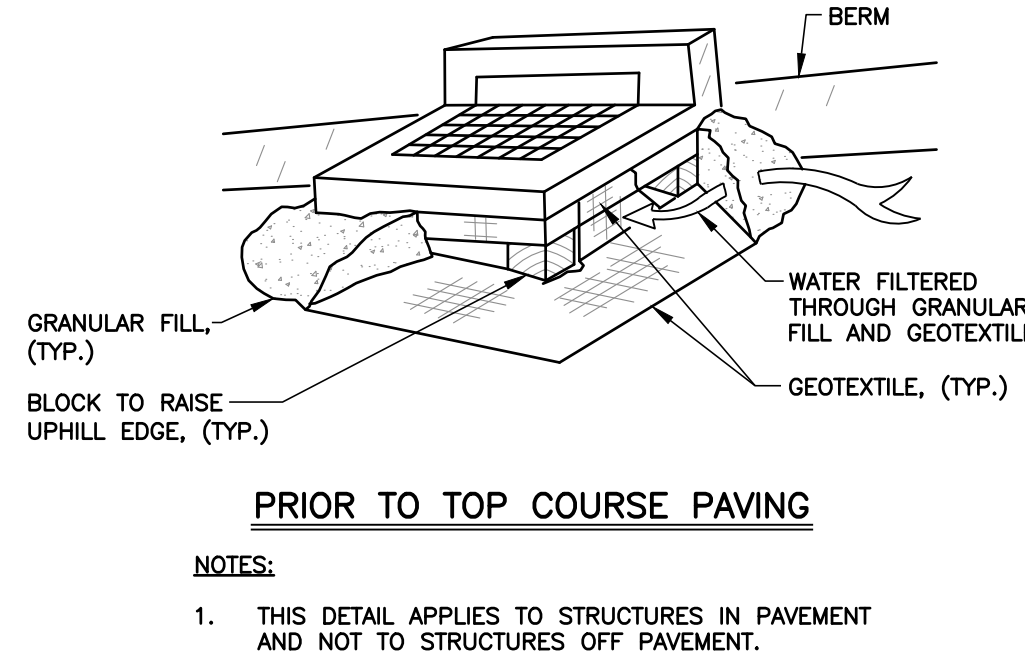
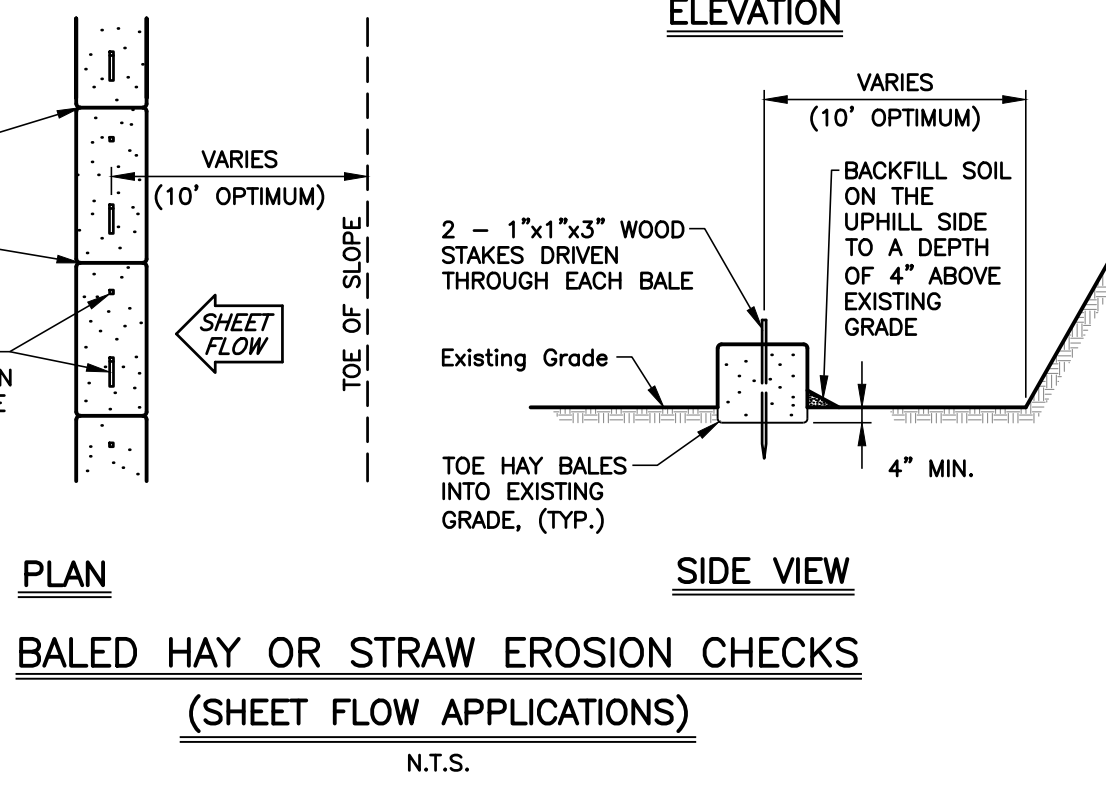
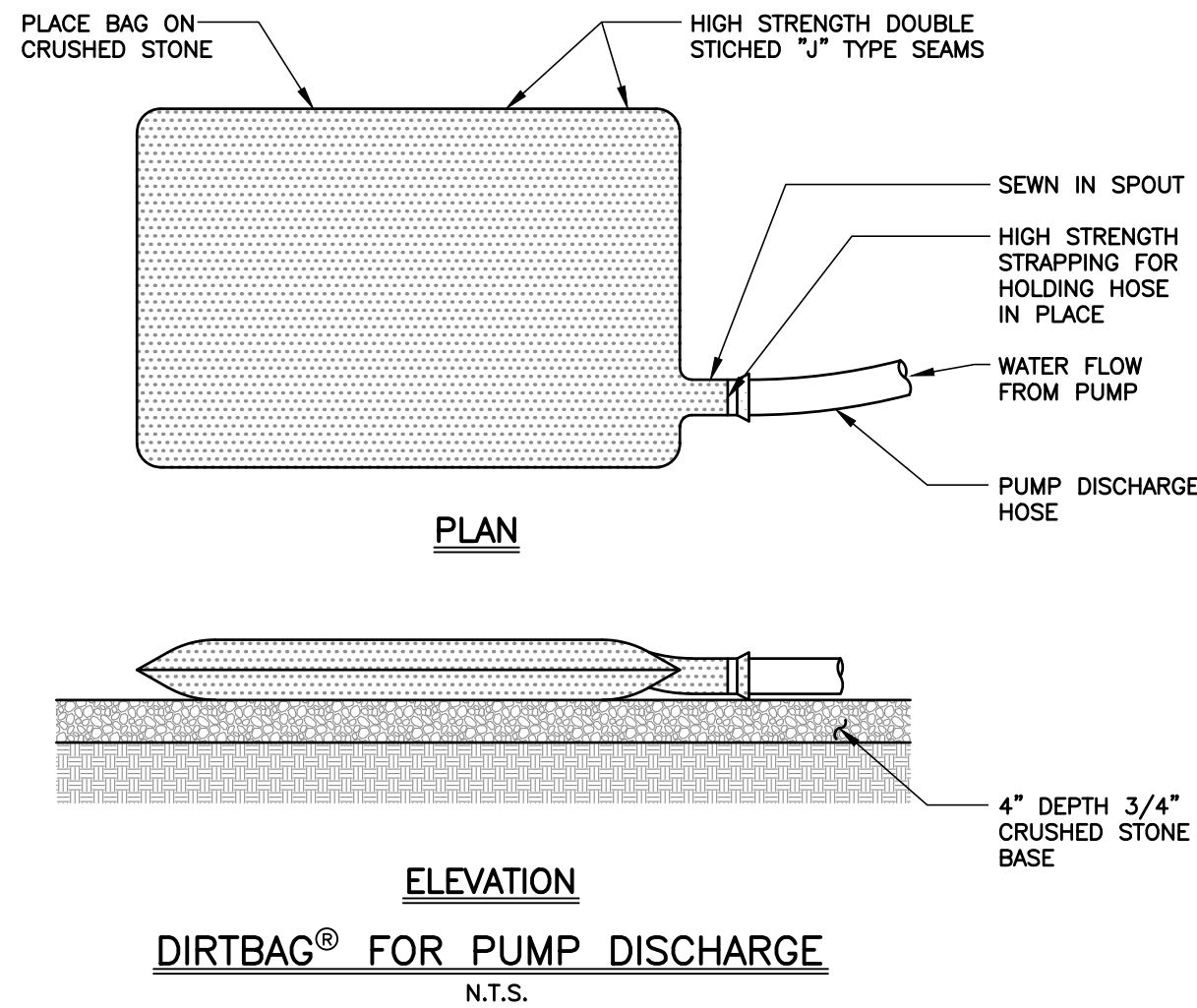
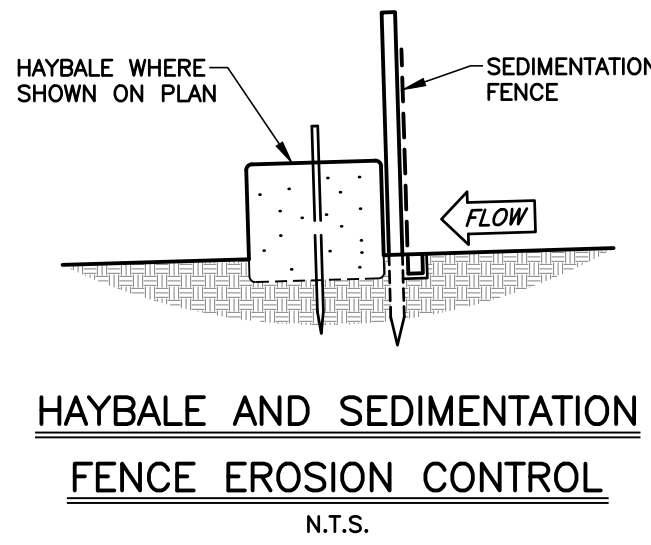
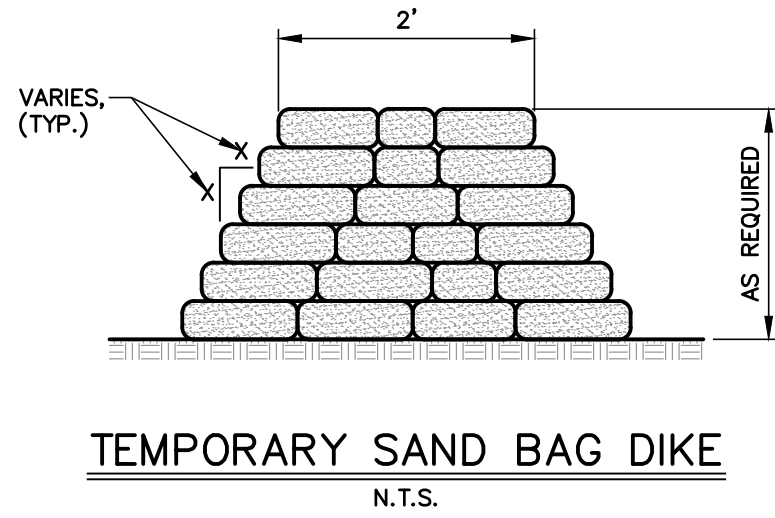
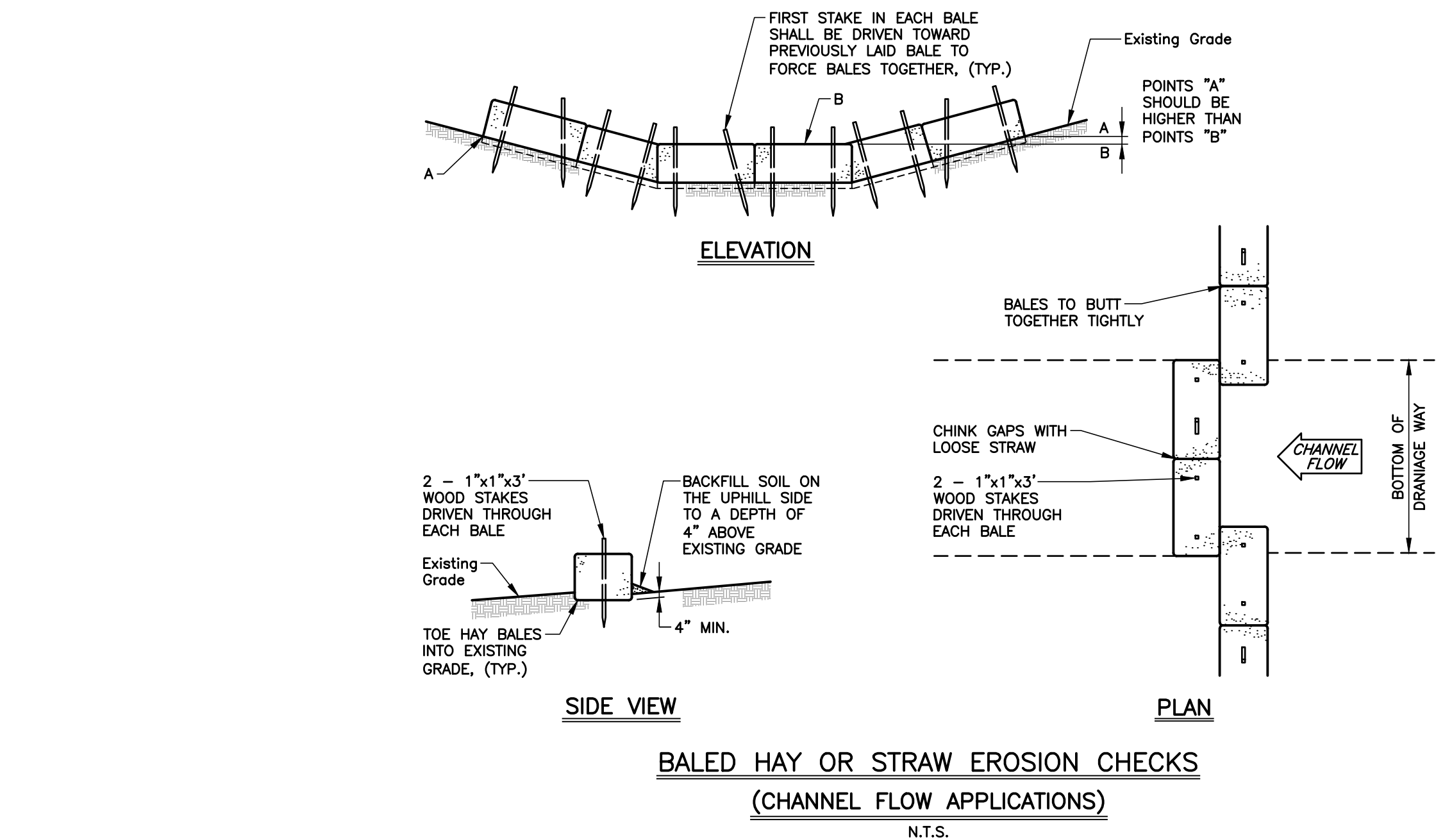
#### PURPOSE

1. TO REDUCE THE VELOCITY OF CONCENTRATED STORM WATER FLOWS, THEREBY REDUCING EROSION OF THE DRAINAGEWAY.
2. TO TEMPORARILY POND STORM WATER RUNOFF TO ALLOW SEDIMENTS TO SETTLE OUT.



I:\Civil\3D\001\00110\_Production Drawings\CD\001\00110ED.dwg, Details, 9/20/2019 1:45:10 PM, AutoCAD PDF (General Documentation).pc3, 1:1

E  
D  
C  
B  
A



**NOTES:**

- SEE SHEET 1 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

**TOWN OF  
CHESTER, CONNECTICUT**

**MAIN STREET  
IMPROVEMENTS  
PHASE 3**

**EROSION AND  
SEDIMENT CONTROL  
DETAILS**

**CONTRACT DRAWINGS**

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC. ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: AS NOTED  
PROJECT No.: 00100110  
CADD FILE: 0100110ED  
DESIGNED: ALM  
DRAWN: A.J.G.  
CHECKED: -

SHEET No.:  
**C6.1**



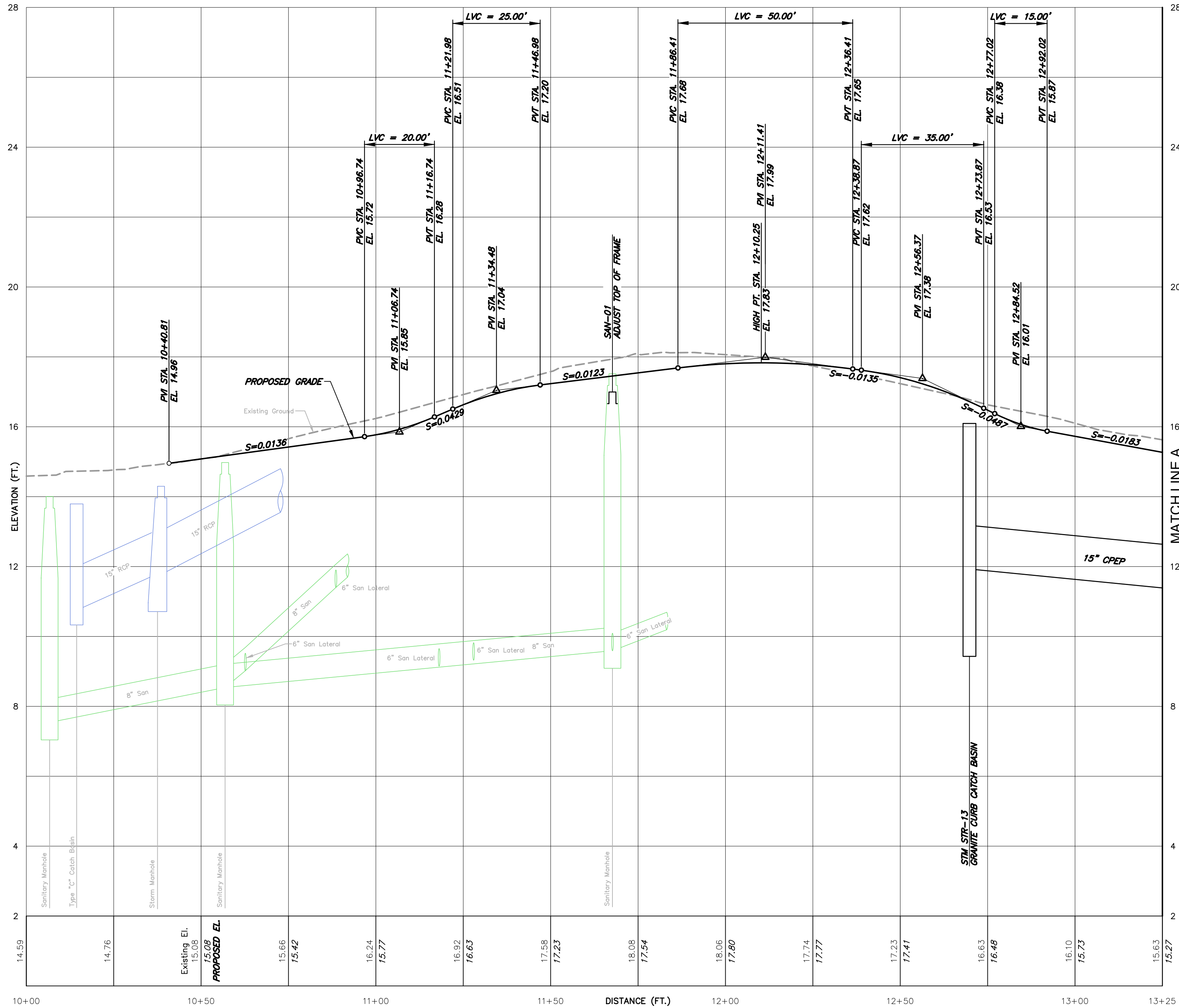
E

D

C

B

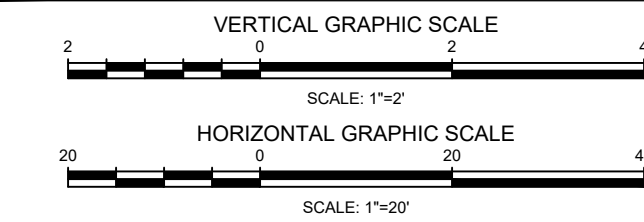
A



NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.
2. SEE PLANS FOR PROPOSED UTILITY LAYOUT, TOP OF FRAME AND INVERT INFORMATION.
3. EXISTING UTILITIES TO BE REMOVED OR ABANDONED ARE NOT SHOWN IN PROFILE FOR CLARITY PURPOSES.
4. UTILITIES SHOWN IN PROFILE LIMITED TO THE EXTENTS OF THE ROADWAY.
5. SANITARY SEWER LATERALS REPRESENTED IN PROFILE AT CONNECTION TO MAIN ONLY BASED ON PLAN VIEW. ACTUAL INVERT ELEVATIONS ARE UNKNOWN.
6. EXISTING DRAINAGE STRUCTURE SUMP DEPTHS ARE UNKNOWN AND ARE NOT SHOWN IN PROFILE VIEW.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

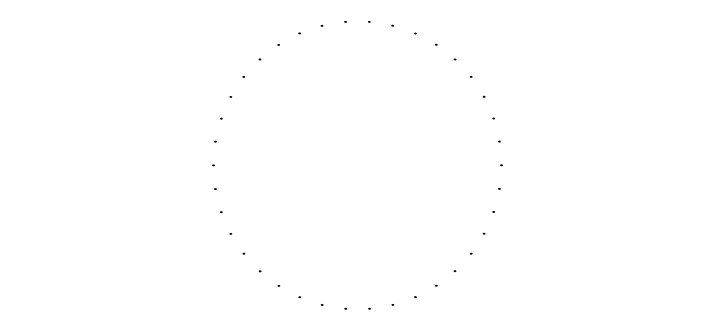
MAIN STREET PROFILE  
STA. 10+00.00 TO STA. 13+25.00

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**N** Nathan L. Jacobson & Associates, Inc.  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL



AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

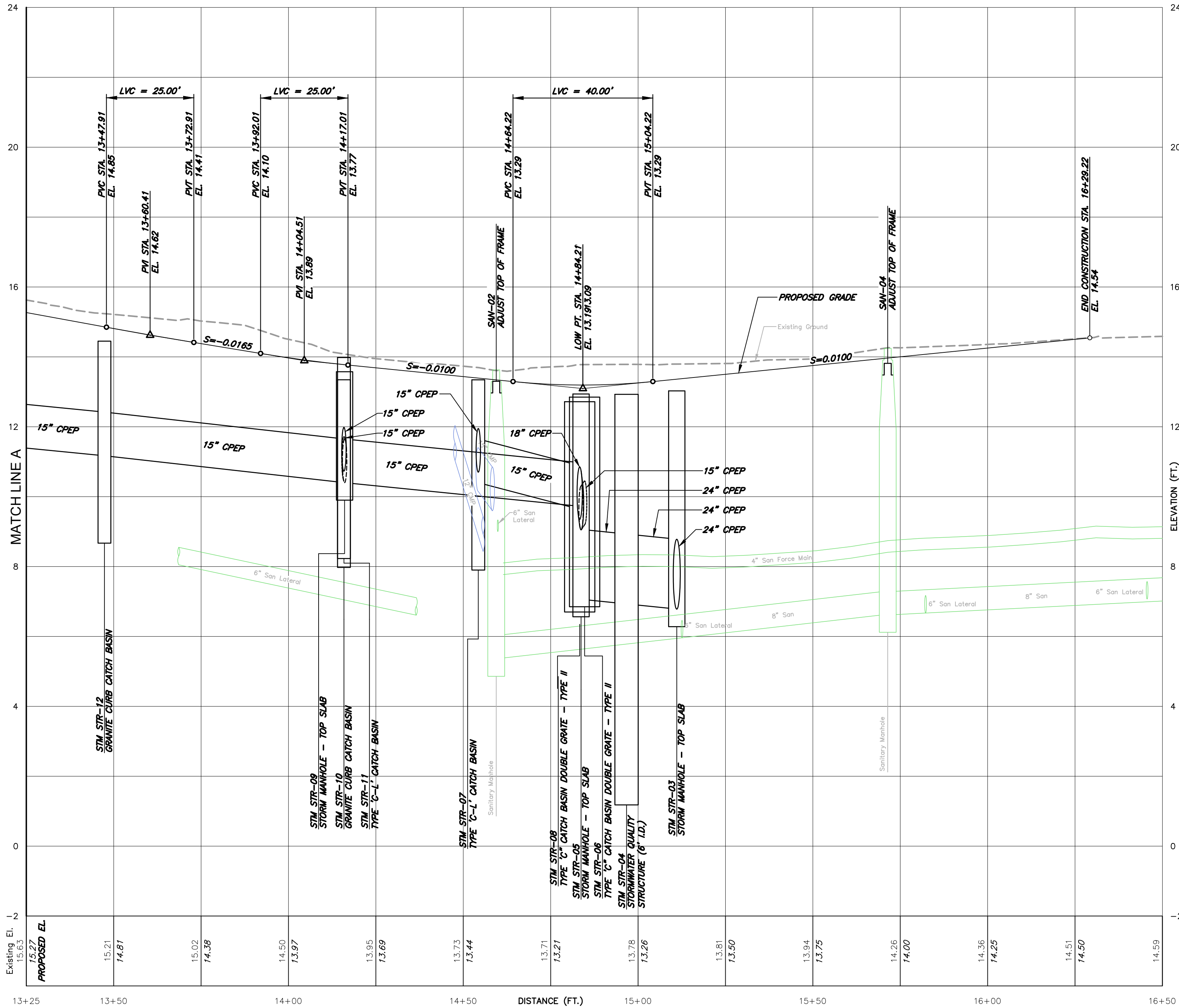
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.:  <b>C7.0</b>
SCALE: 1"=20' H 1"=2' V	
PROJECT No.: 00100110	
CADD FILE: 0100110PR	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED:	



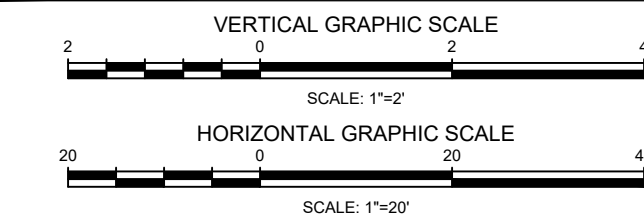
E  
D  
C  
B  
A



NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.
2. SEE PLANS FOR PROPOSED UTILITY LAYOUT, TOP OF FRAME AND INVERT INFORMATION.
3. EXISTING UTILITIES TO BE REMOVED OR ABANDONED ARE NOT SHOWN IN PROFILE FOR CLARITY PURPOSES.
4. UTILITIES SHOWN IN PROFILE LIMITED TO THE EXTENTS OF THE ROADWAY.
5. SANITARY SEWER LATERALS REPRESENTED IN PROFILE AT CONNECTION TO MAIN ONLY BASED ON PLAN VIEW. ACTUAL INVERT ELEVATIONS ARE UNKNOWN.
6. EXISTING DRAINAGE STRUCTURE SUMP DEPTHS ARE UNKNOWN AND ARE NOT SHOWN IN PROFILE VIEW.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT  
  
MAIN STREET  
IMPROVEMENTS  
PHASE 3

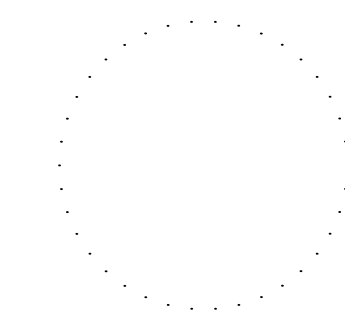
MAIN STREET PROFILE  
STA. 13+25.00 TO STA. 16+50.00

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL



AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

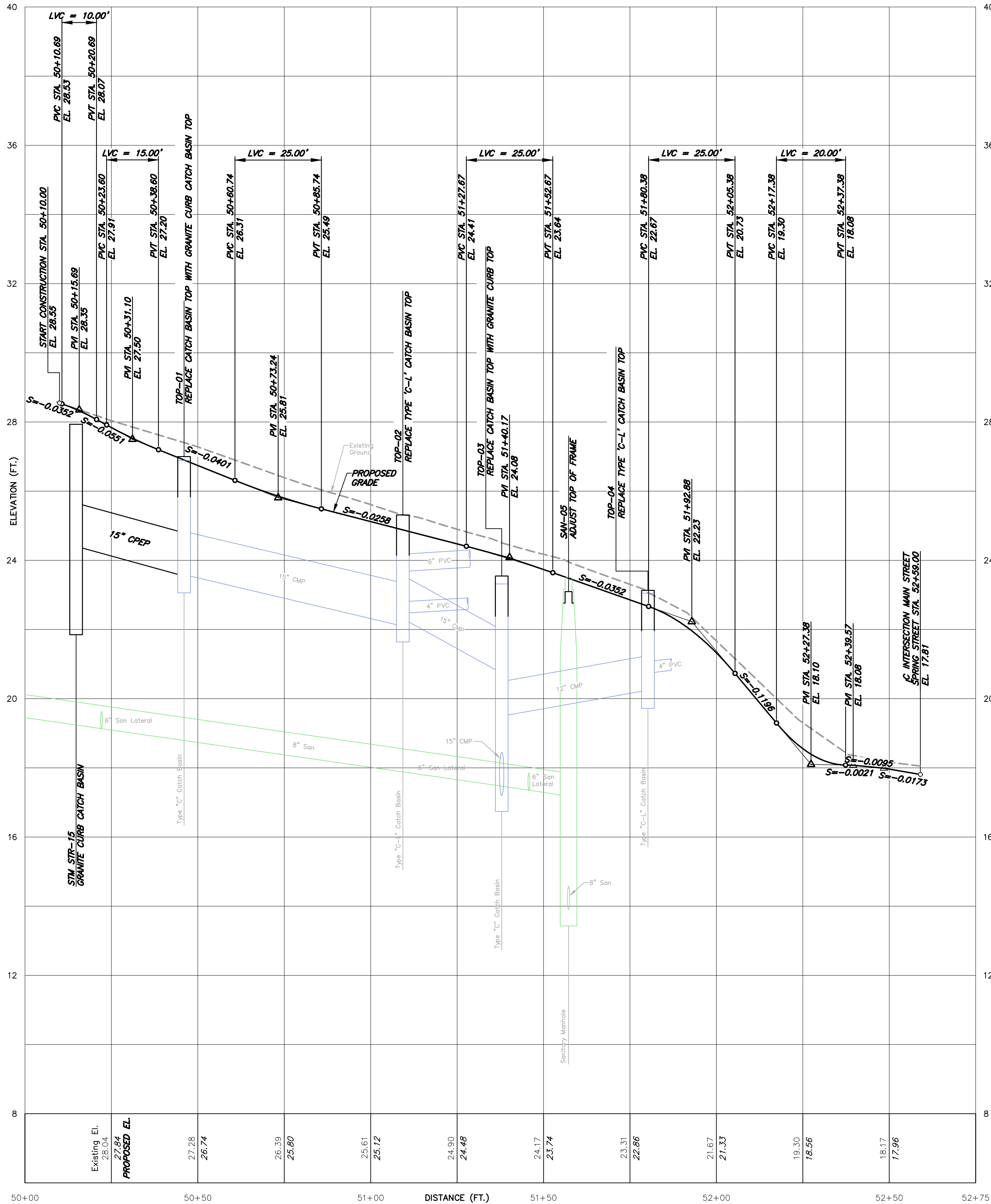
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019 SCALE: 1"=20' H 1"=2' V PROJECT No.: 00100110 CADD FILE: 0100110PR DESIGNED: ALM DRAWN: AJG CHECKED:	SHEET No.:  <b>C7.1</b>
---	-------------------------------



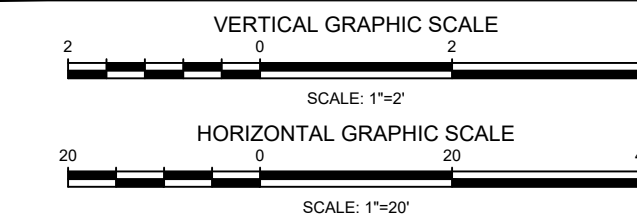
E  
D  
C  
B  
A



NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.
2. SEE PLANS FOR PROPOSED UTILITY LAYOUT, TOP OF FRAME AND INVERT INFORMATION.
3. EXISTING UTILITIES TO BE REMOVED OR ABANDONED ARE NOT SHOWN IN PROFILE FOR CLARITY PURPOSES.
4. UTILITIES SHOWN IN PROFILE LIMITED TO THE EXTENTS OF THE ROADWAY.
5. SANITARY SEWER LATERALS REPRESENTED IN PROFILE AT CONNECTION TO MAIN ONLY BASED ON PLAN VIEW. ACTUAL INVERT ELEVATIONS ARE UNKNOWN.
6. EXISTING DRAINAGE STRUCTURE SUMP DEPTHS ARE UNKNOWN AND ARE NOT SHOWN IN PROFILE VIEW.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

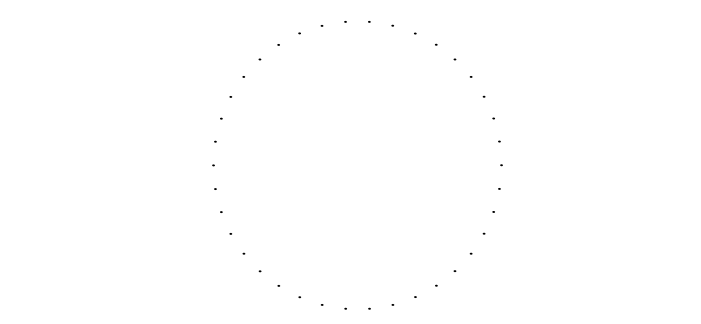
SPRING STREET PROFILE

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL



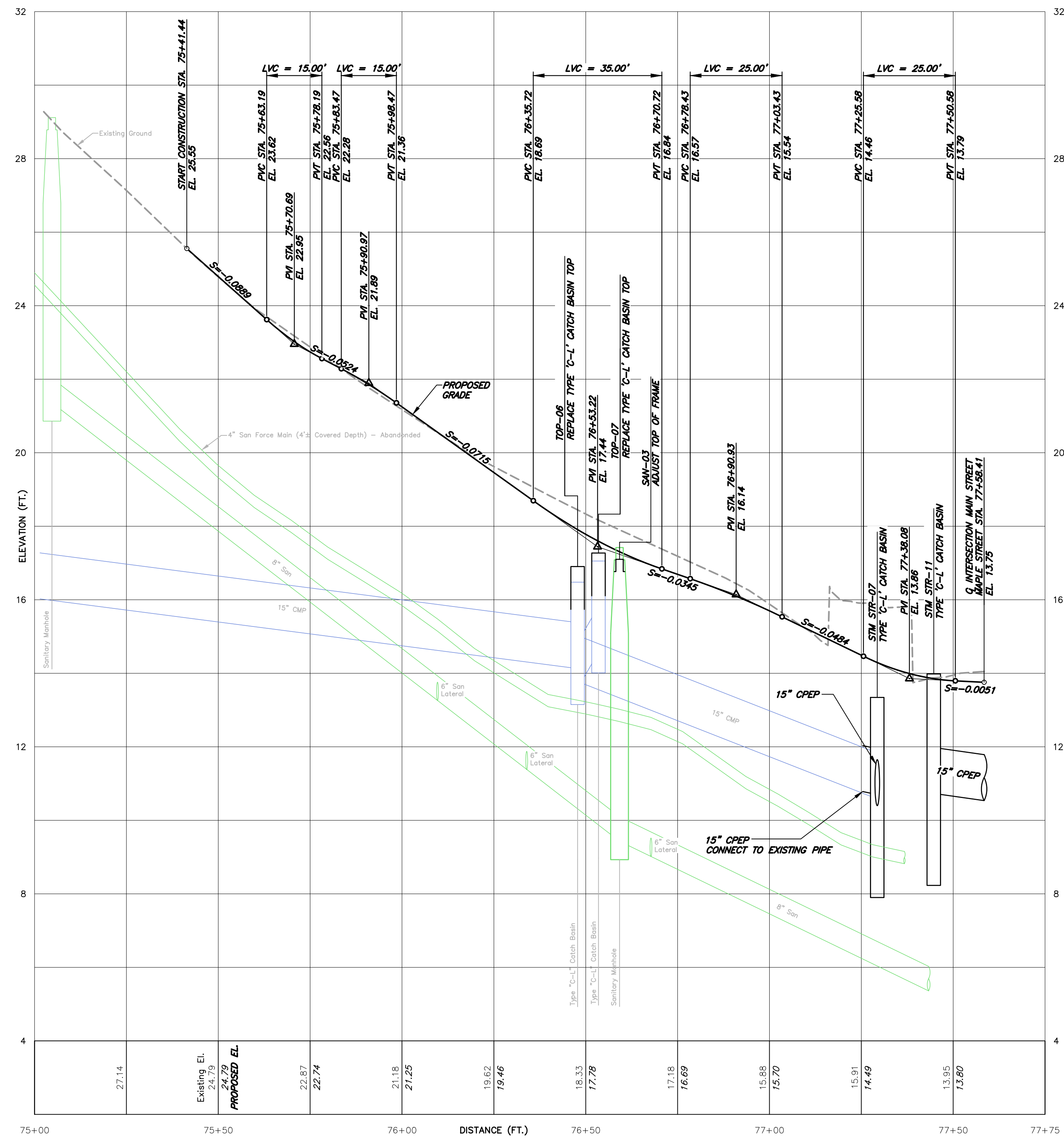
AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

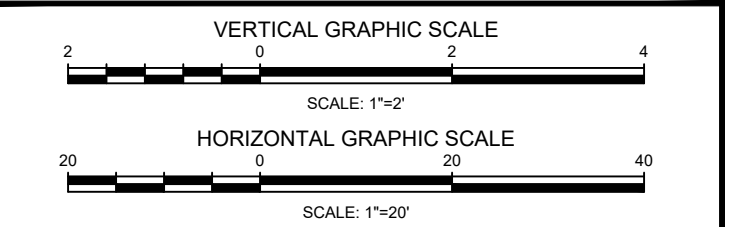
DATE: SEPTEMBER 2019 SCALE: 1"=20' H 1"=2' V PROJECT No.: 00100110 CADD FILE: 0100110PR DESIGNED: ALM DRAWN: AJG CHECKED:	SHEET No.:  <b>C7.2</b>
---	-------------------------------





- NOTES:
1. SEE SHEET C1.0 FOR PROJECT NOTES.
  2. SEE PLANS FOR PROPOSED UTILITY LAYOUT, TOP OF FRAME AND INVERT INFORMATION.
  3. EXISTING UTILITIES TO BE REMOVED OR ABANDONED ARE NOT SHOWN IN PROFILE FOR CLARITY PURPOSES.
  4. UTILITIES SHOWN IN PROFILE LIMITED TO THE EXTENTS OF THE ROADWAY.
  5. SANITARY SEWER LATERALS REPRESENTED IN PROFILE AT CONNECTION TO MAIN ONLY BASED ON PLAN VIEW. ACTUAL INVERT ELEVATIONS ARE UNKNOWN.
  6. EXISTING DRAINAGE STRUCTURE SUMP DEPTHS ARE UNKNOWN AND ARE NOT SHOWN IN PROFILE VIEW.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



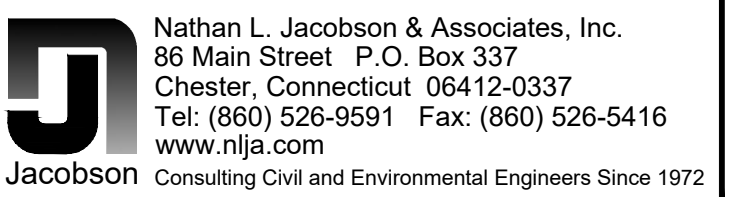
TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

## MAPLE STREET PROFILE

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.



NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

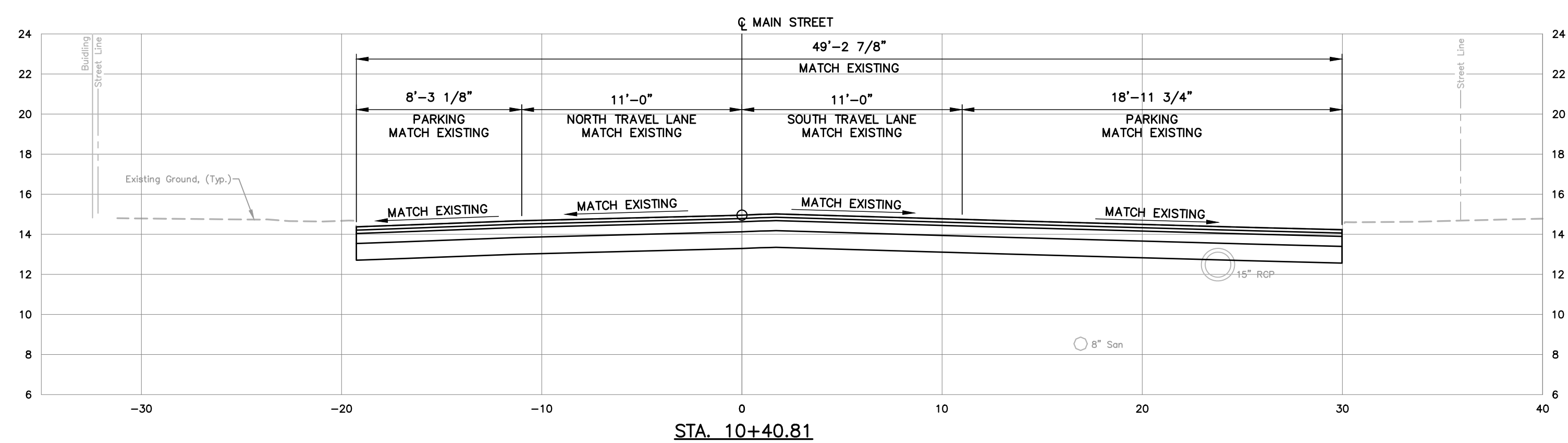
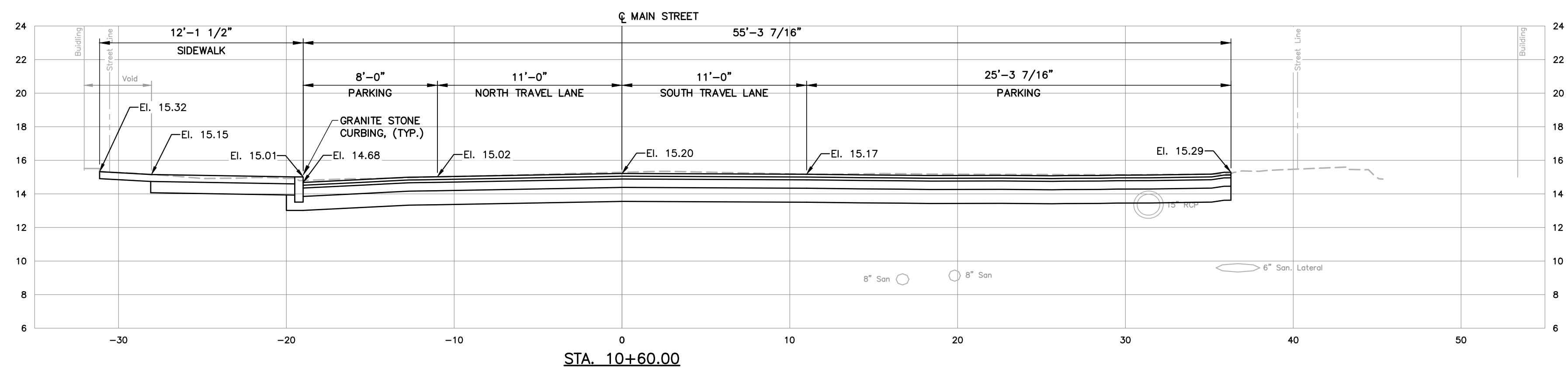
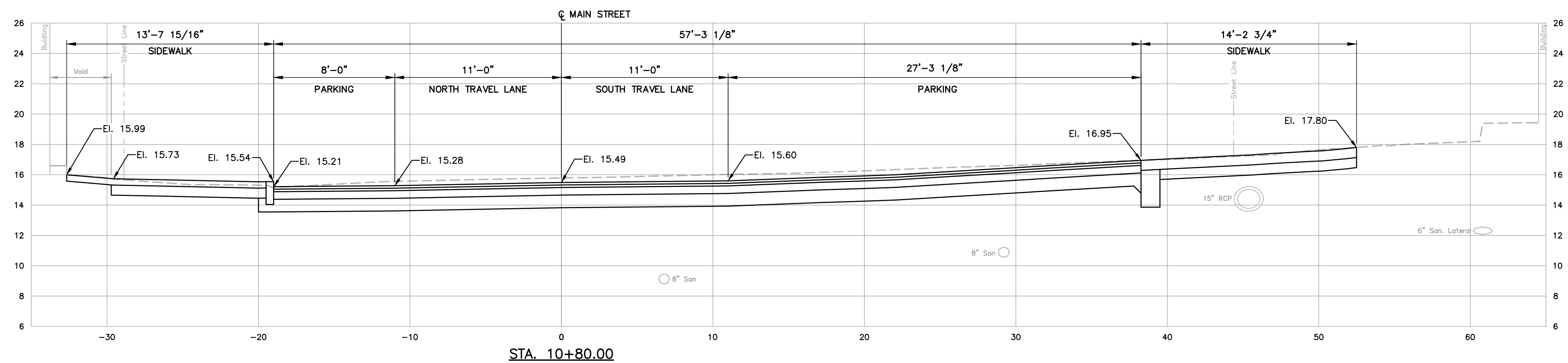
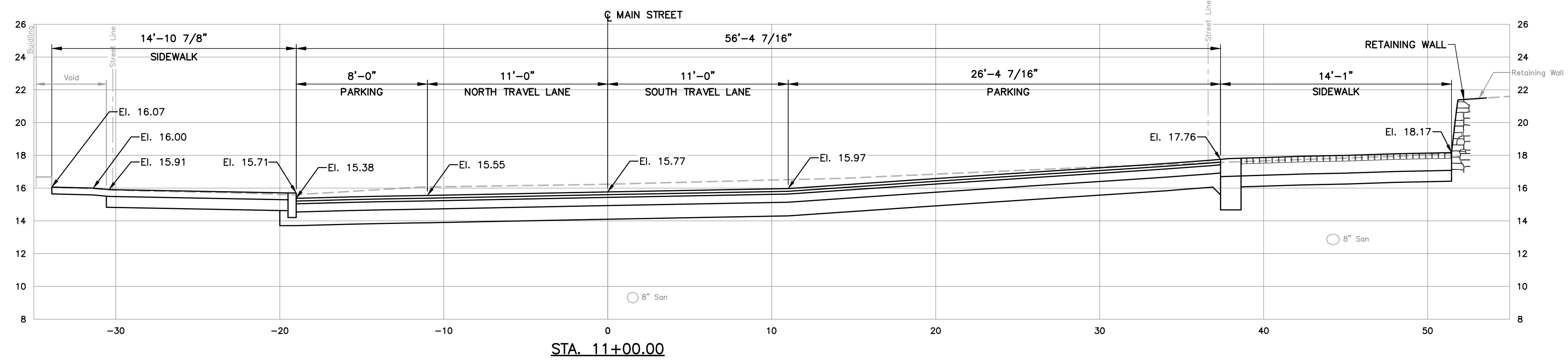
[illegible]

DATE:	SEPTEMBER 2019	S
SCALE:	1"=20' H 1"=2' V	
PROJECT No.:	00100110	
CADD FILE:	0100110PR	
DESIGNED:	ALM	
DRAWN:	AJG	
CHECKED:		

HEET No.:

C7.3

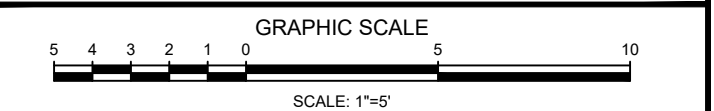




NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.
2. SITE FURNISHINGS AND ASSOCIATED PAVEMENT SECTIONS ARE NOT REPRESENTED IN CROSS SECTIONS.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT

# MAIN STREET IMPROVEMENTS PHASE 3

# CROSS SECTIONS

STA.10+40.81 TO  
STA. 11+00.00

## CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.



NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

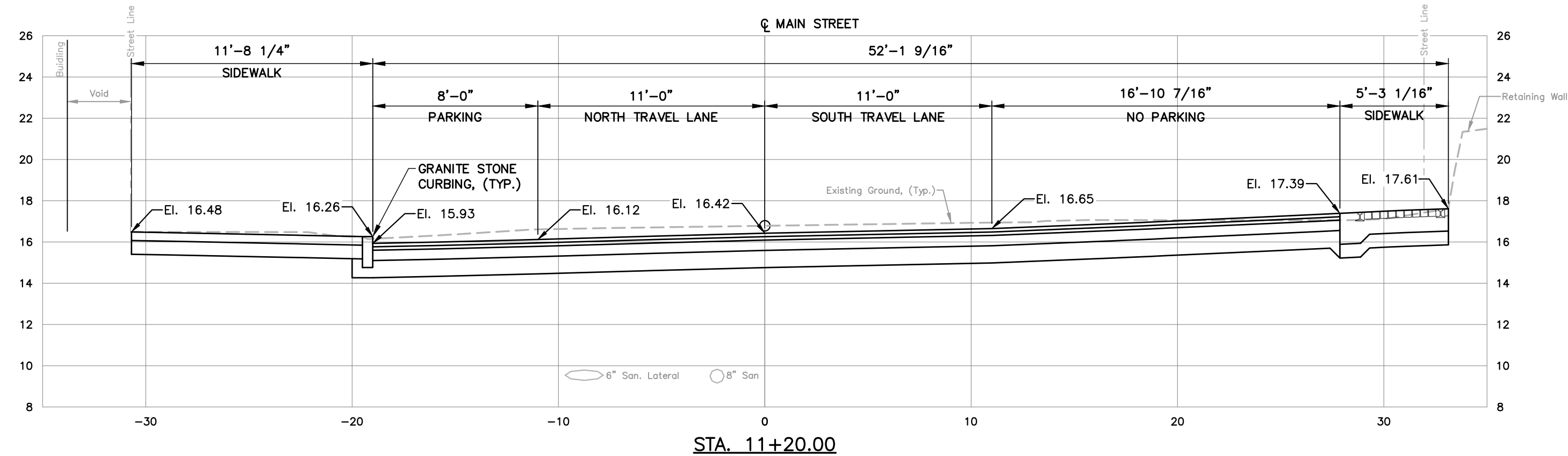
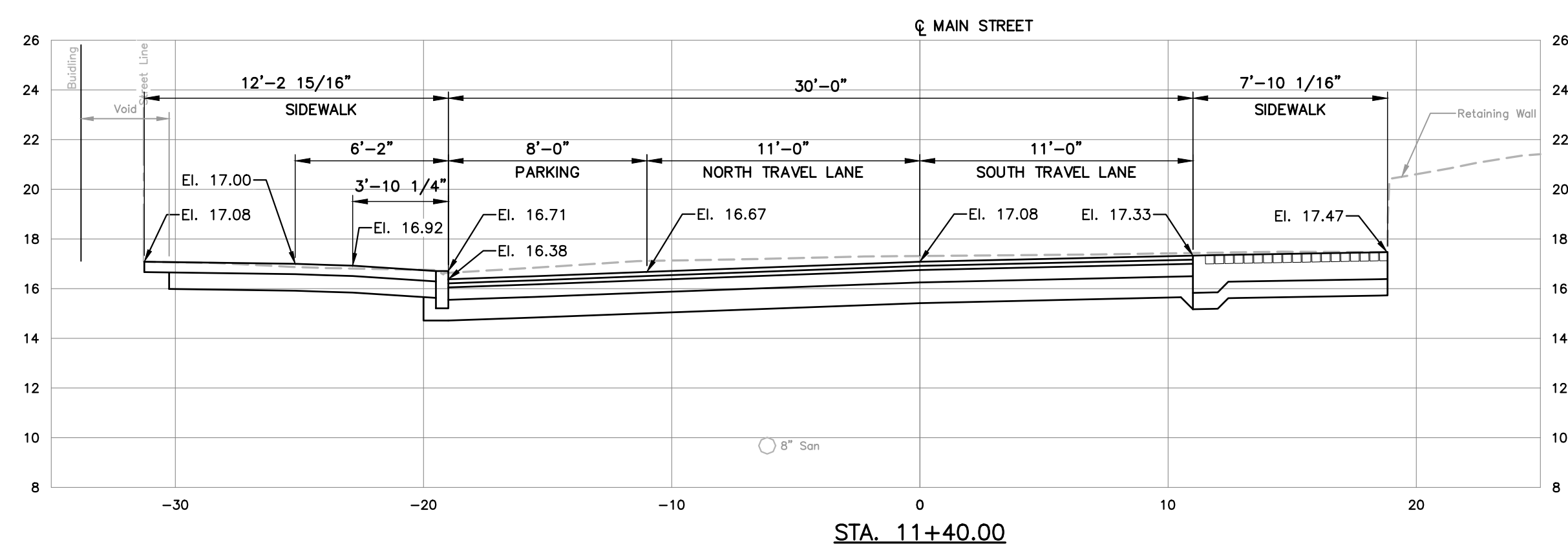
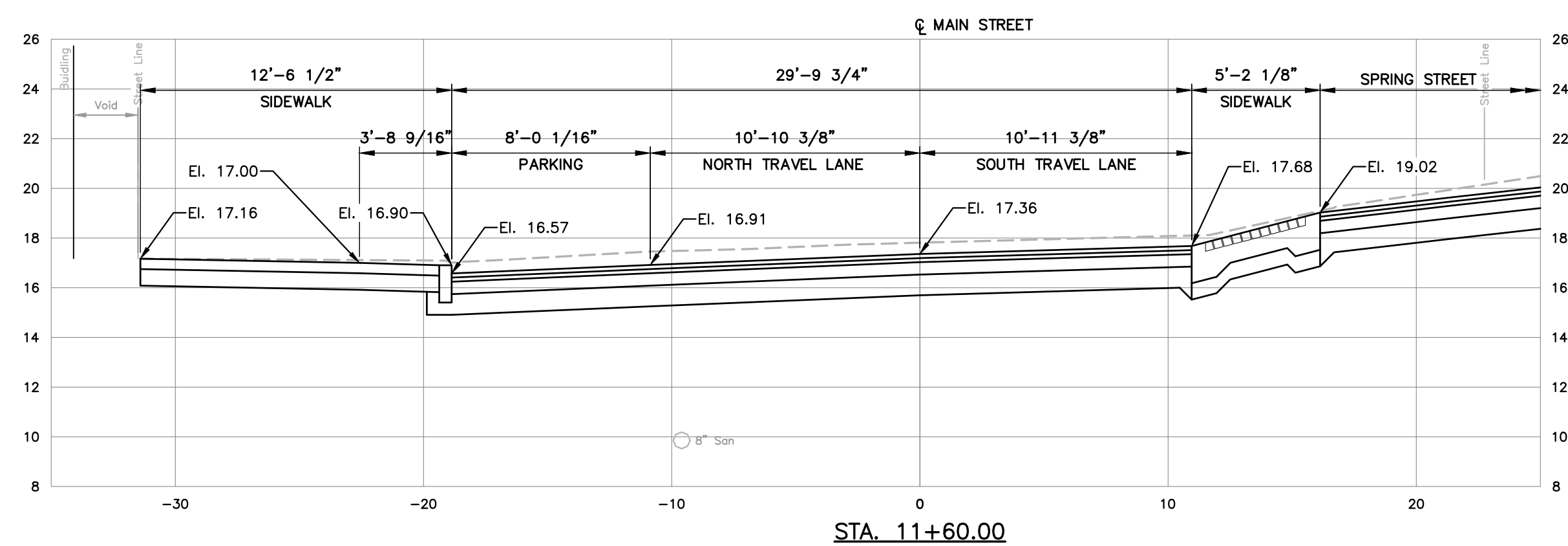
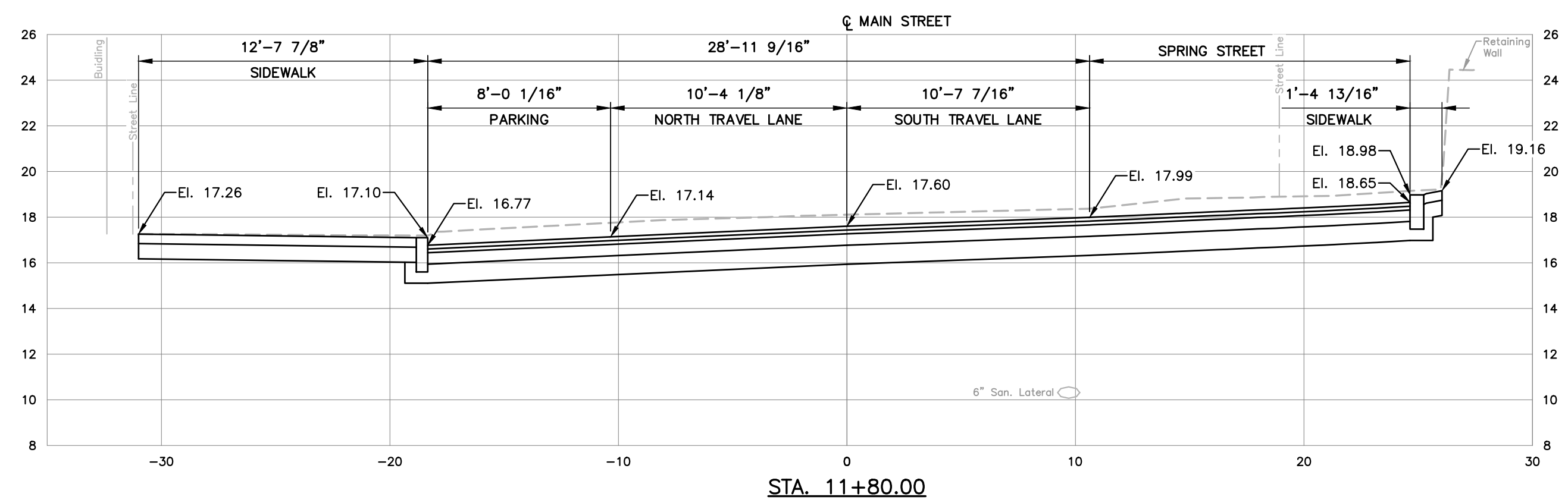
[illegible]

DATE:	SEPTEMBER 2019
SCALE:	1"=5'
PROJECT No.:	00100110
CADD FILE:	0100110XS
DESIGNED:	ALM
DRAWN:	AJG
CHECKED:	-

No.:

8.0

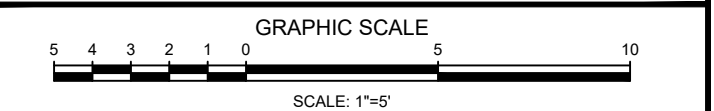




NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.
2. SITE FURNISHINGS AND ASSOCIATED PAVEMENT SECTIONS ARE NOT REPRESENTED IN CROSS SECTIONS.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT

# MAIN STREET IMPROVEMENTS PHASE 3

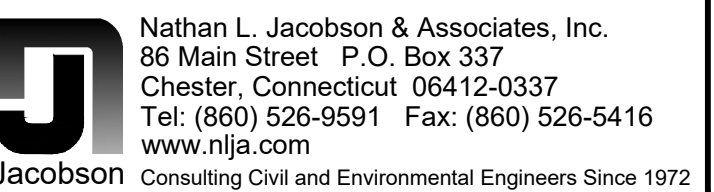
# CROSS SECTIONS

## STA.11+20.00 TO

## STA. 11+80.00

## CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.



NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

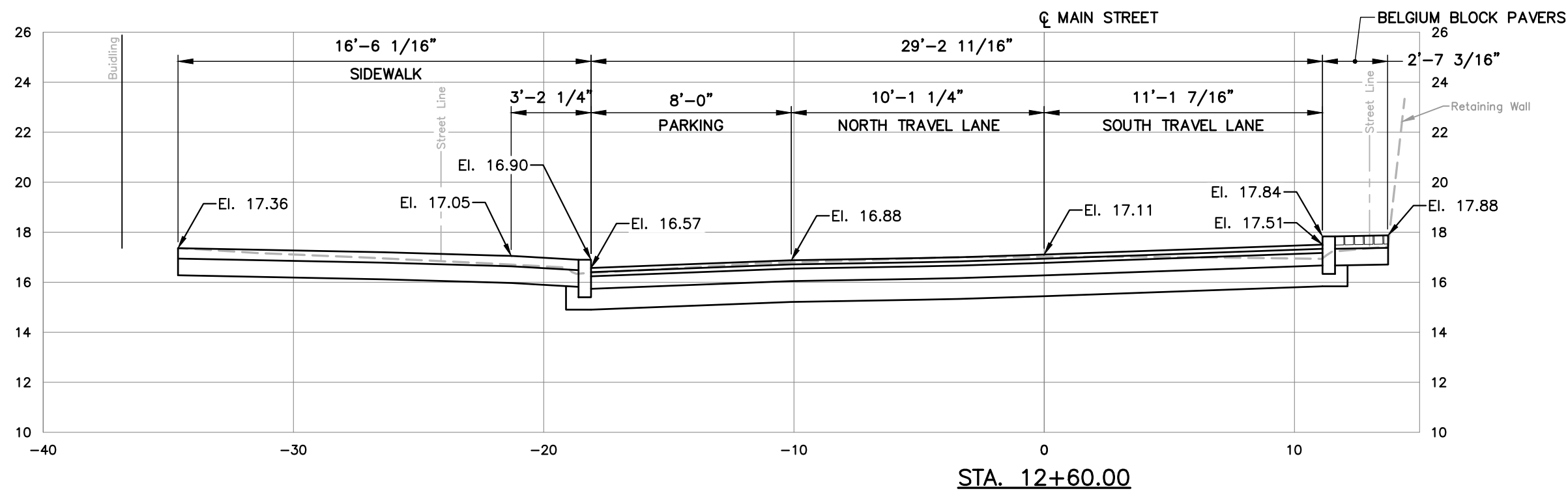
[illegible]

DATE:	SEPTEMBER 2019
SCALE:	1"=5'
PROJECT No.:	00100110
CADD FILE:	0100110XS
DESIGNED:	ALM
DRAWN:	AJG
CHECKED:	-

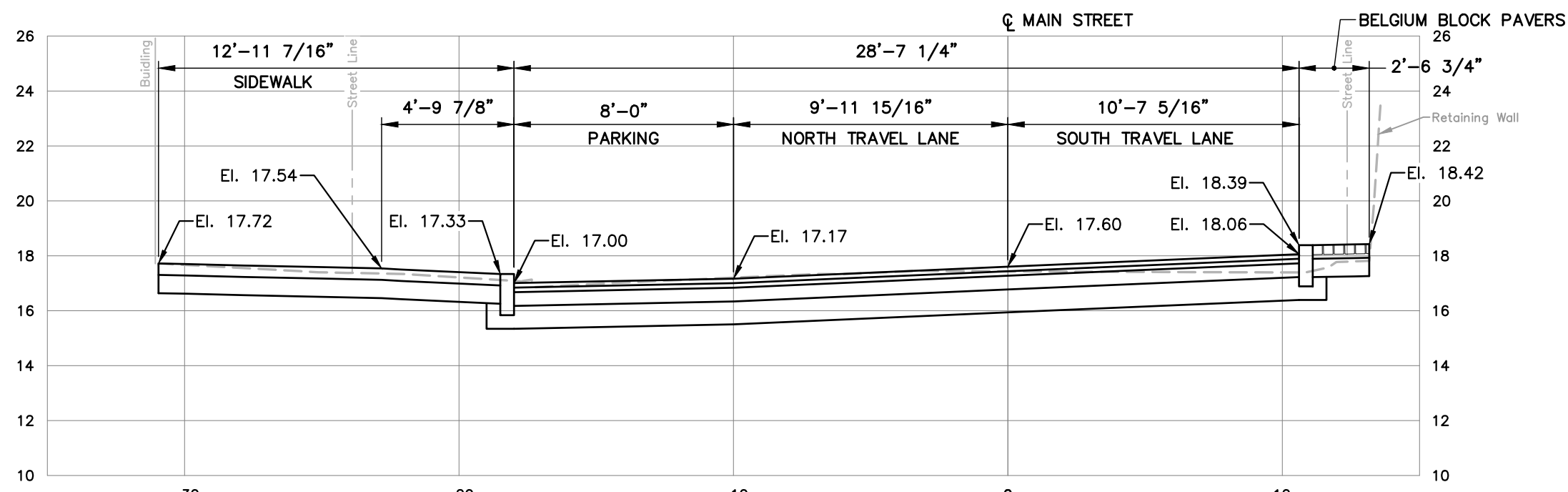
SHEET No.: \_\_\_\_\_

### 8.1

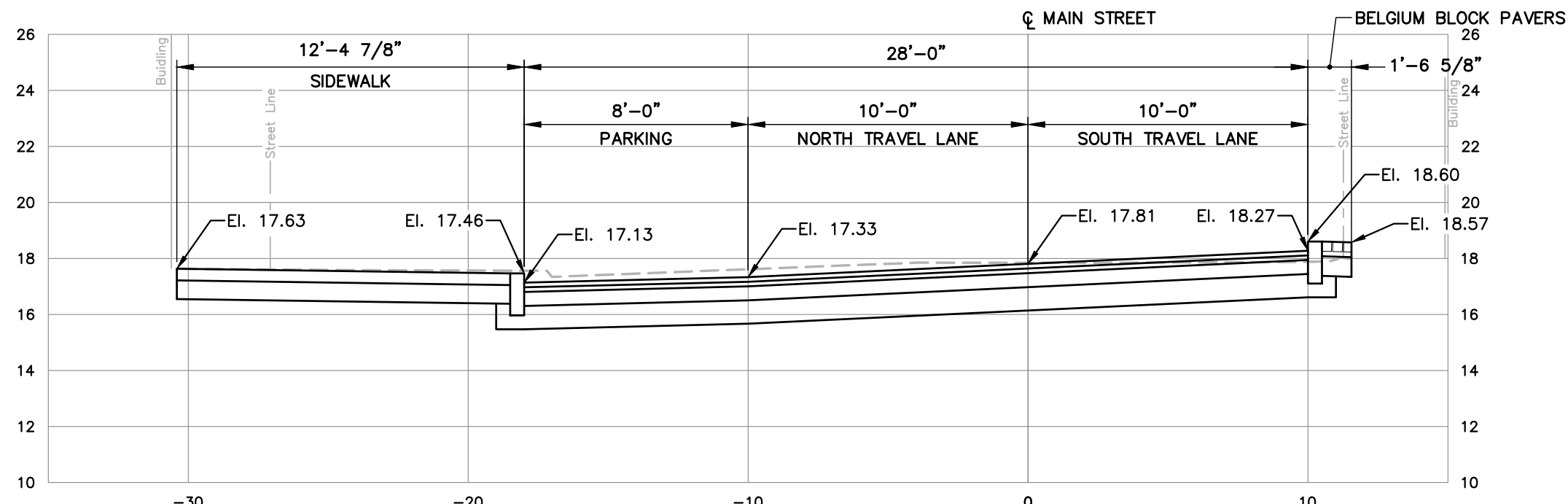




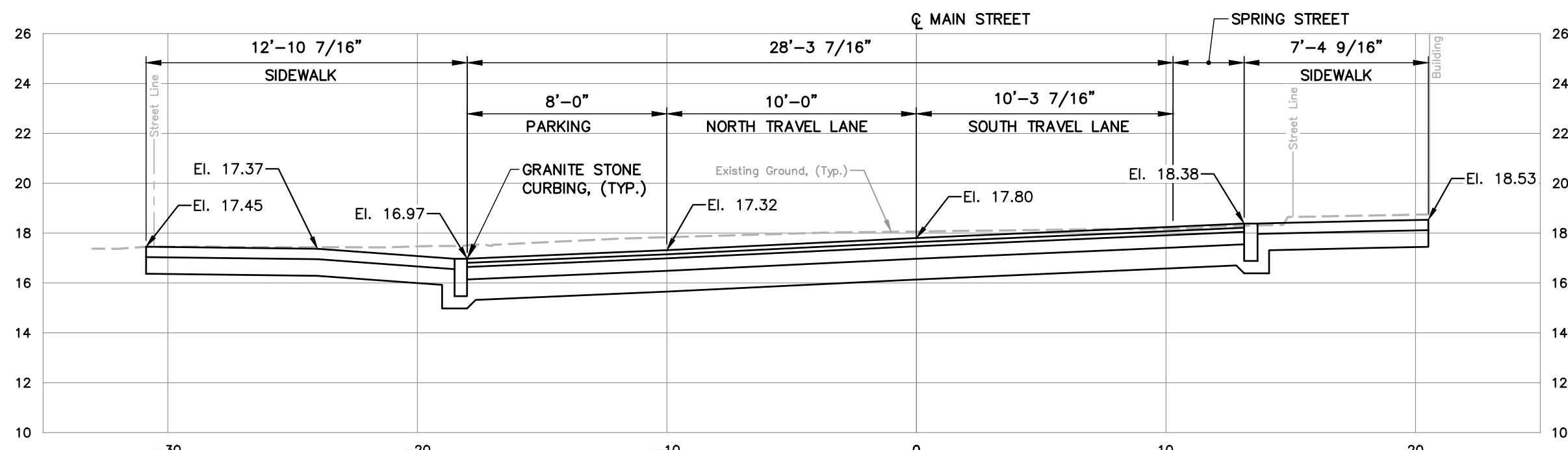
STA. 12+60.00



STA. 12+40.00



STA. 12+20.00

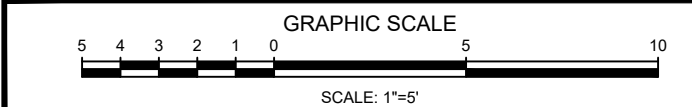


STA. 12+00.00

NOTES:

- SEE SHEET C1.0 FOR PROJECT NOTES.
- SITE FURNISHINGS AND ASSOCIATED PAVEMENT SECTIONS ARE NOT REPRESENTED IN CROSS SECTIONS.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

CROSS SECTIONS  
STA.12+00.00 TO  
STA. 12+60.00

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Jacobson** Nathan L. Jacobson & Associates, Inc.  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

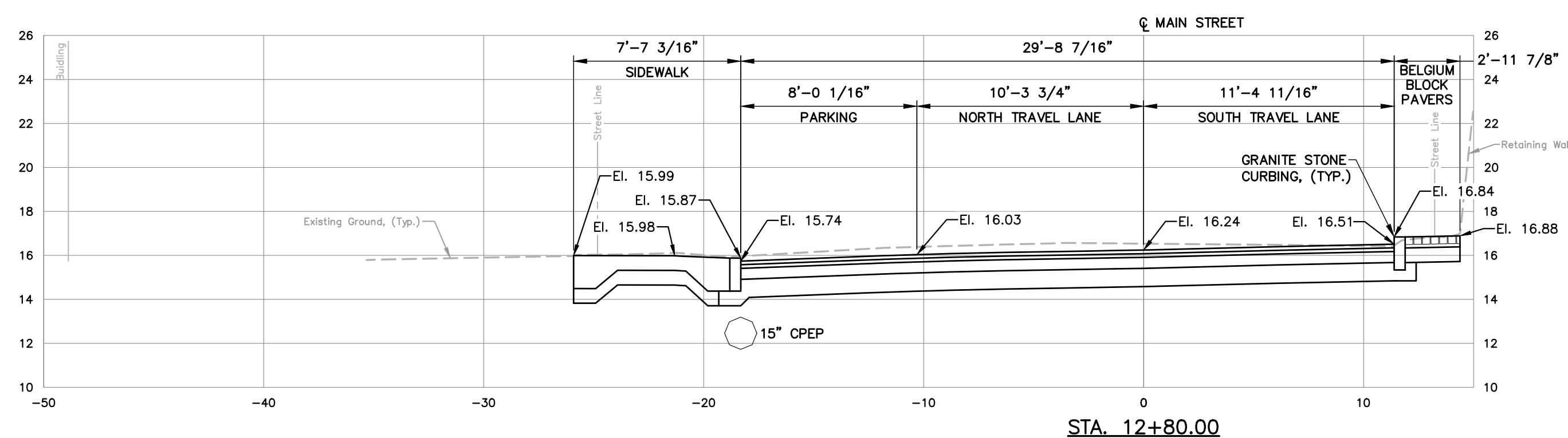
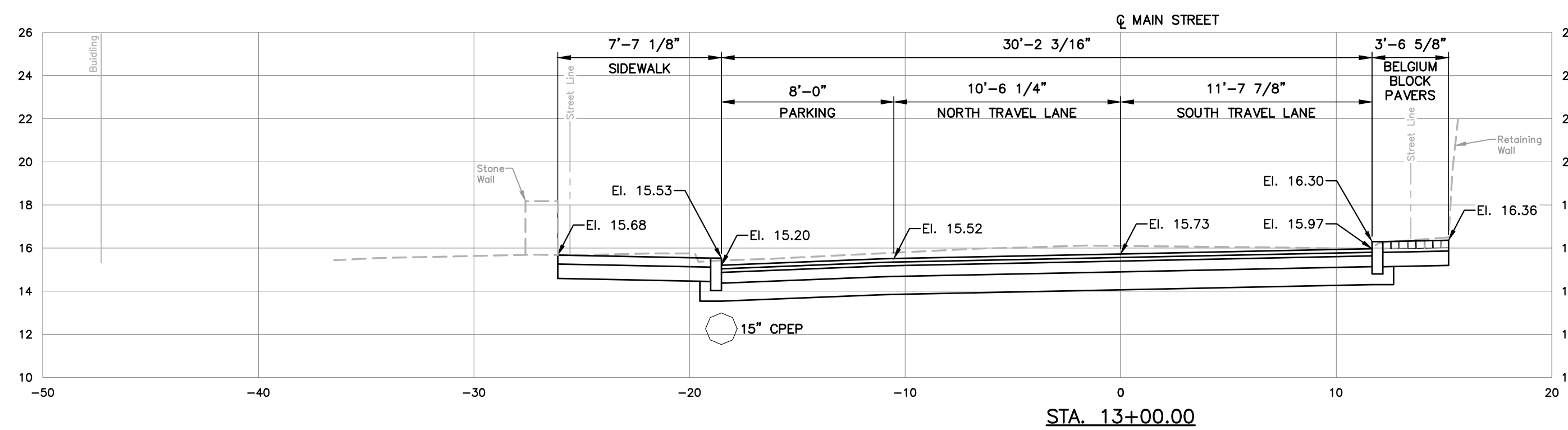
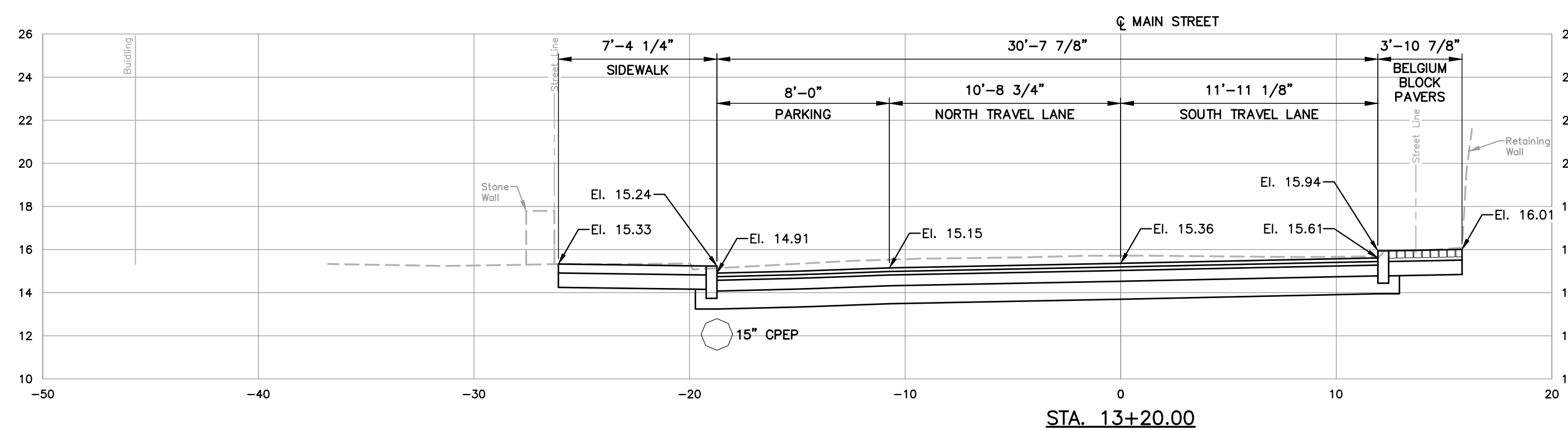
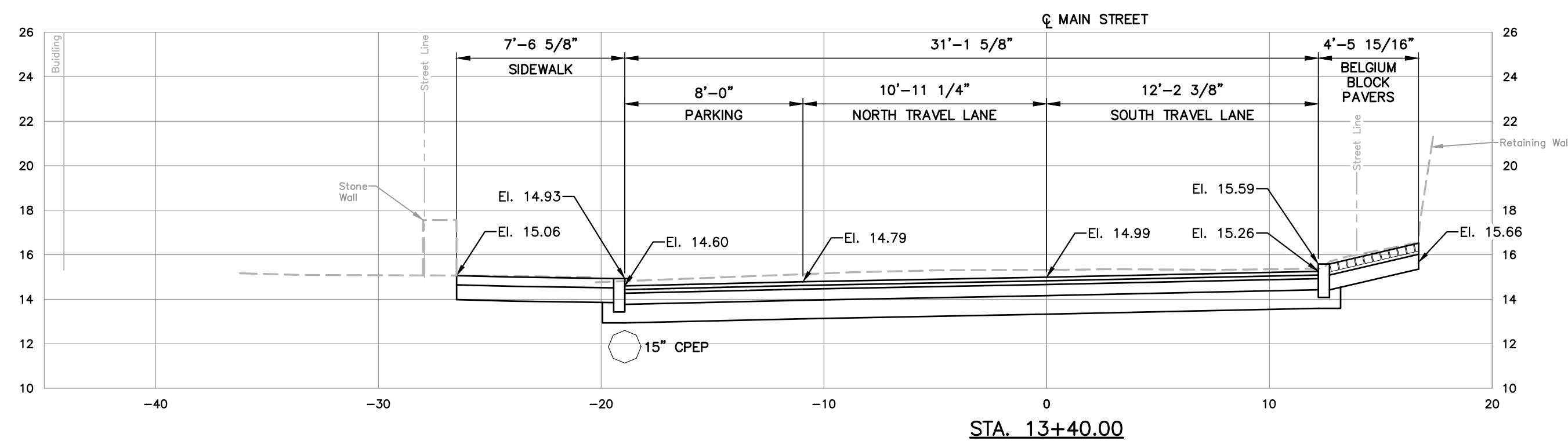
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: 1"=5'  
PROJECT No.: 00100110  
CADD FILE: 0100110XS  
DESIGNED: ALM  
DRAWN: AJG  
CHECKED: -

SHEET No.:  
**C8.2**

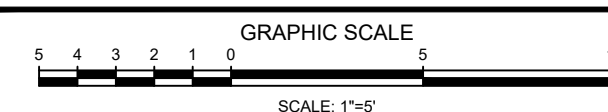




## NOTES

1. SEE SHEET C1.0 FOR PROJECT NOTES.
2. SITE FURNISHINGS AND ASSOCIATED PAVEMENT SECTION ARE NOT REPRESENTED IN CROSS SECTIONS.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION



TOWN OF  
CHESTER, CONNECTICUT

# MAIN STREET IMPROVEMENTS PHASE 3

CROSS SECTIONS  
STA.12+80.00 TO  
STA. 13+40.00

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.



Nathan L. Jacobson & Associates, Inc.  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 19

NOT VALID WITHOUT ORIGINAL SEA

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

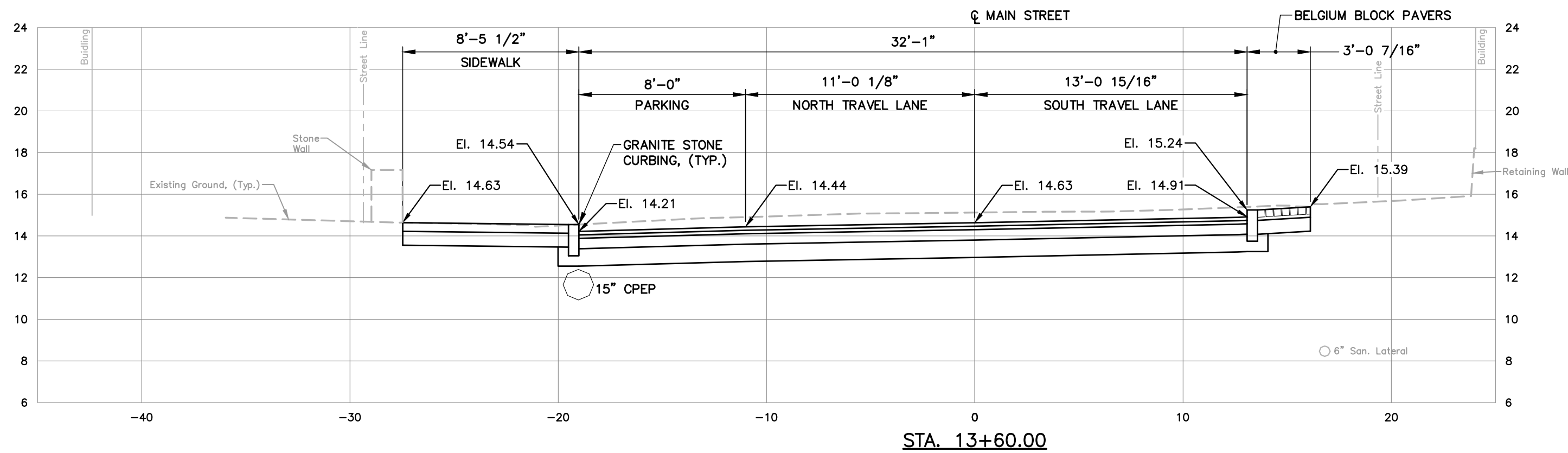
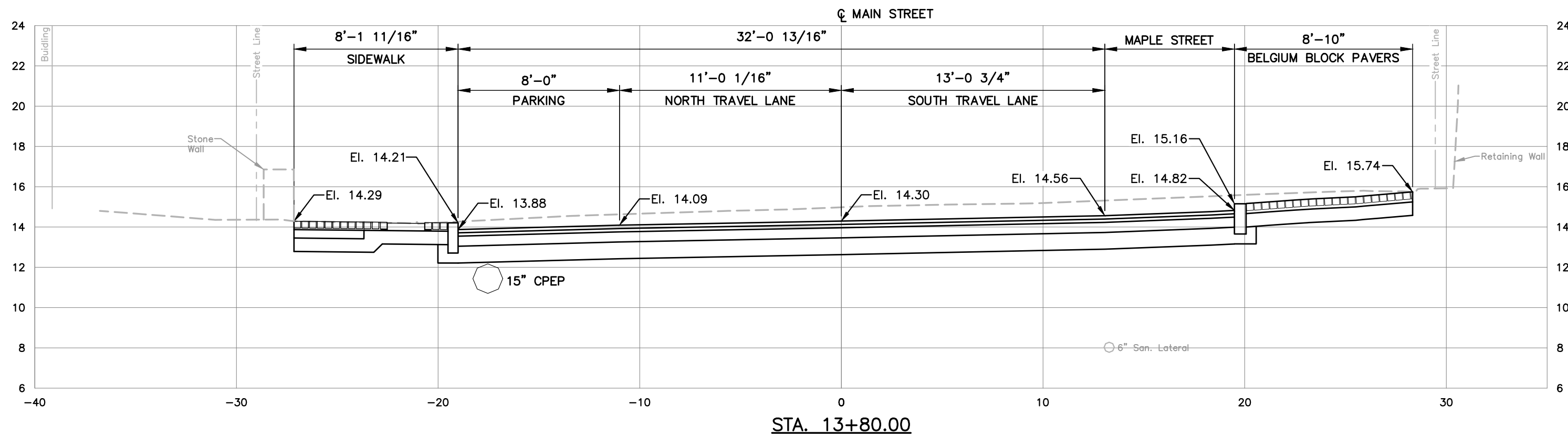
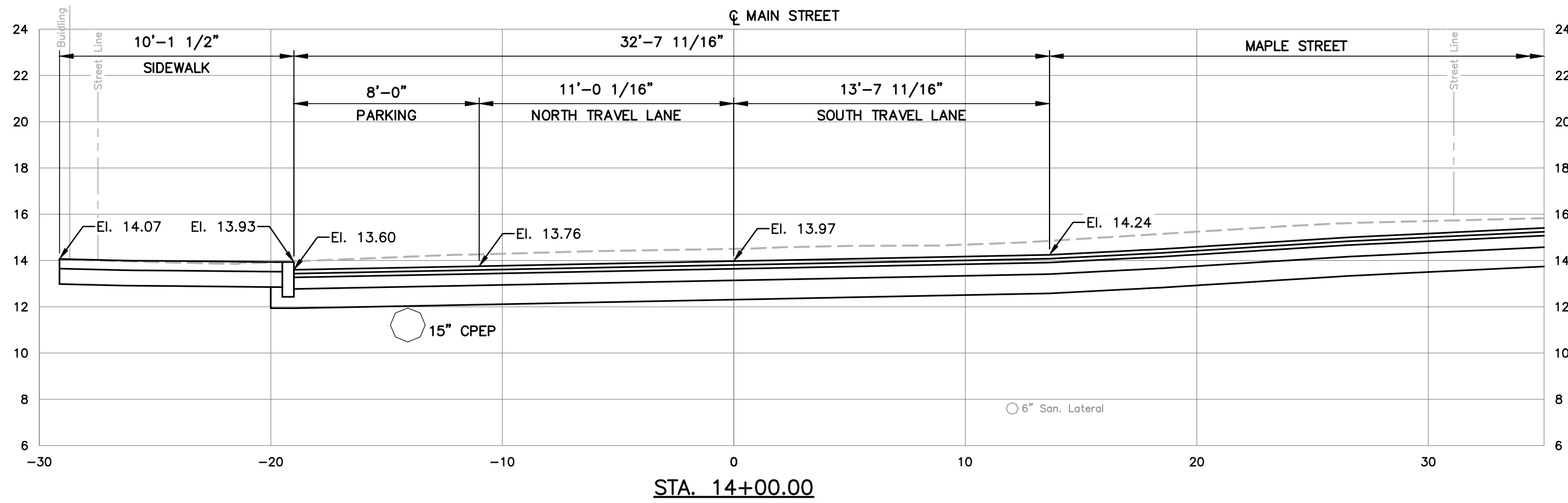
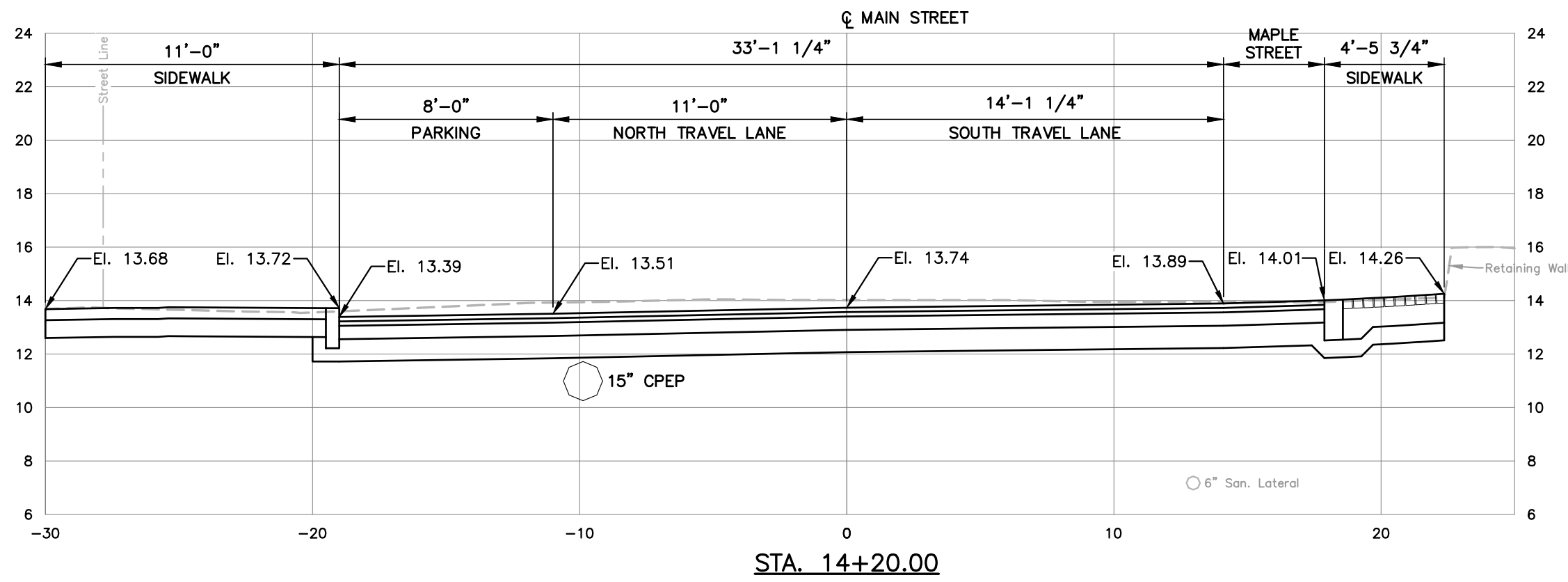
REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: 1"=5'  
PROJECT No.: 00100110  
CADD FILE: 0100110XS  
DESIGNED: ALM  
DRAWN: AJG  
CHECKED:

SHEET No. 7

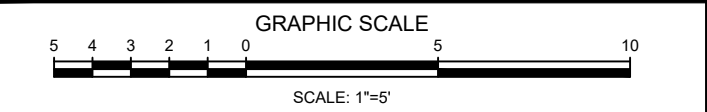
C8.3





- NOTES:
- SEE SHEET C1.0 FOR PROJECT NOTES.
  - SITE FURNISHINGS AND ASSOCIATED PAVEMENT SECTIONS ARE NOT REPRESENTED IN CROSS SECTIONS.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

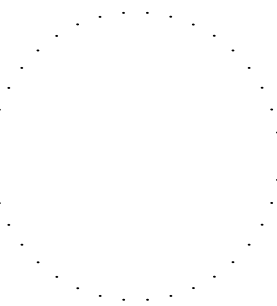
CROSS SECTIONS  
STA.13+60.00 TO  
STA. 14+20.00

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL



AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

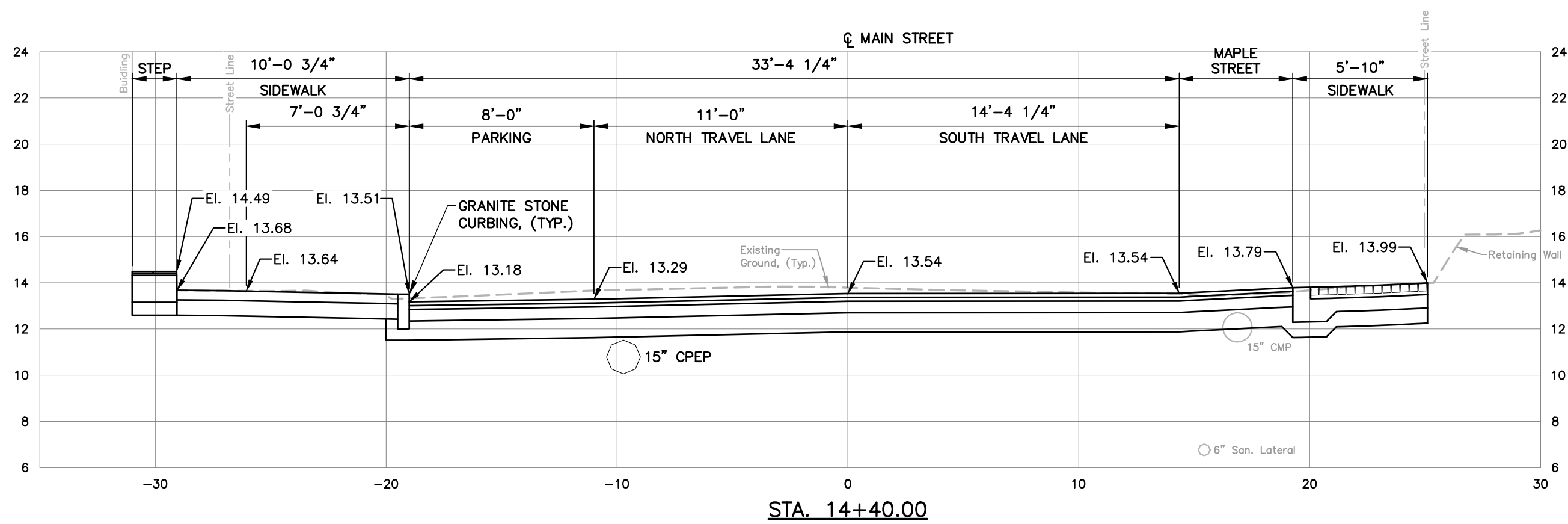
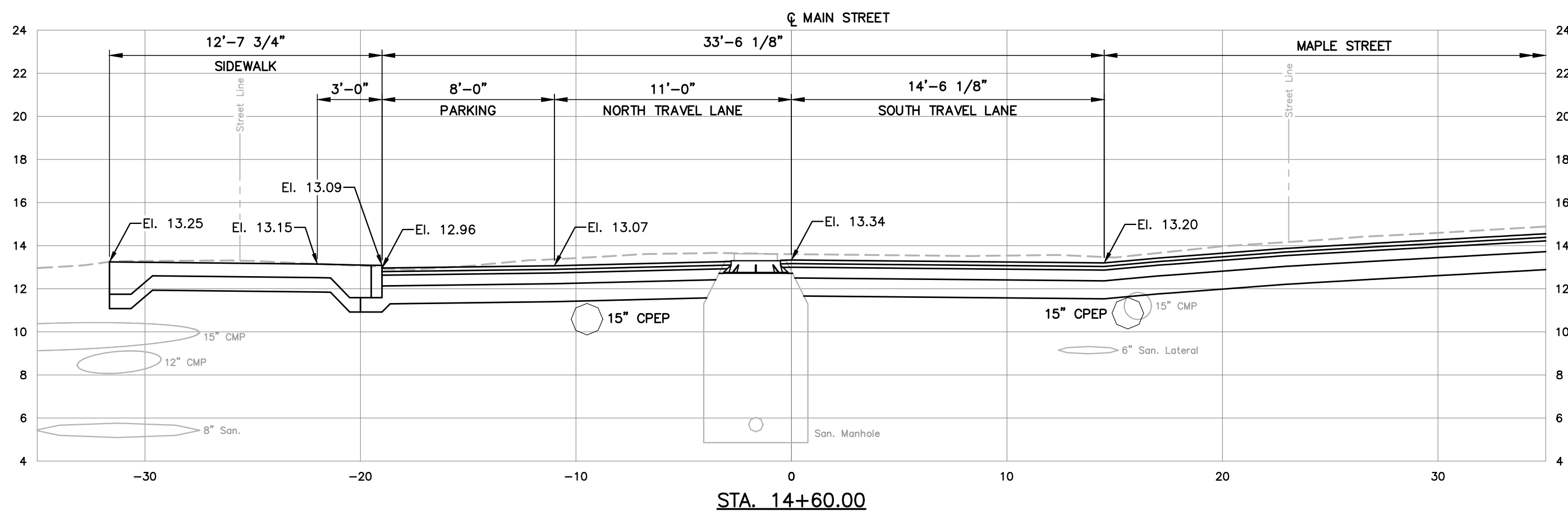
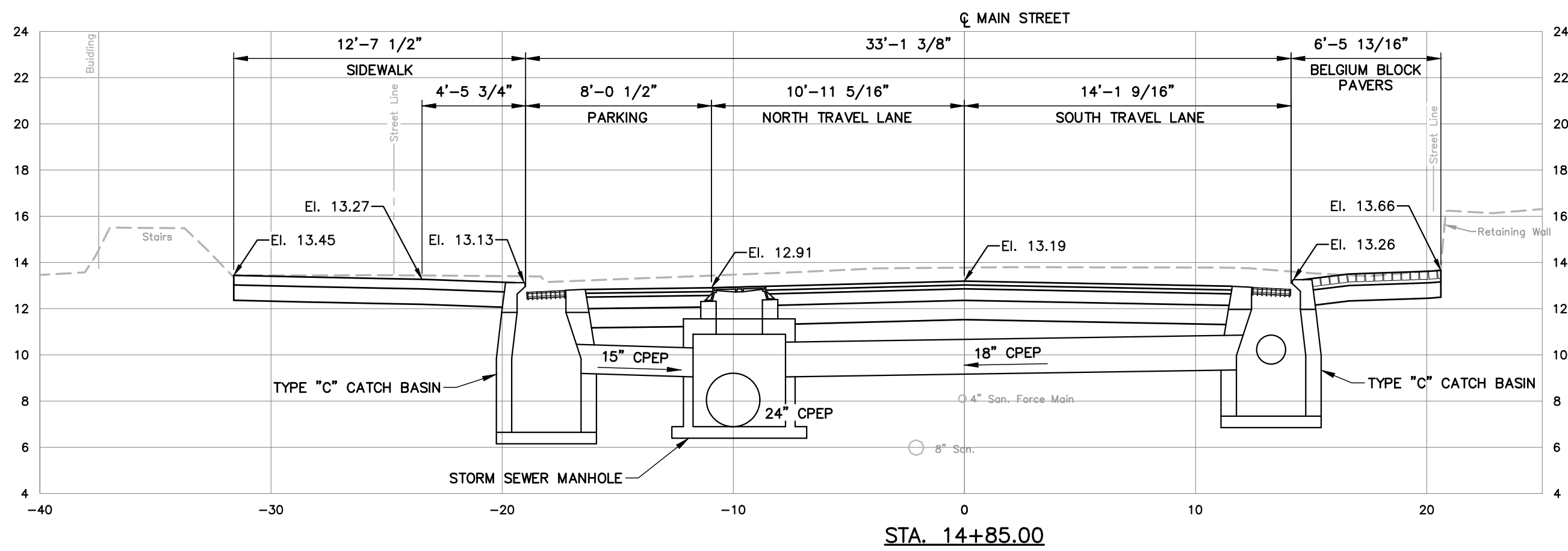
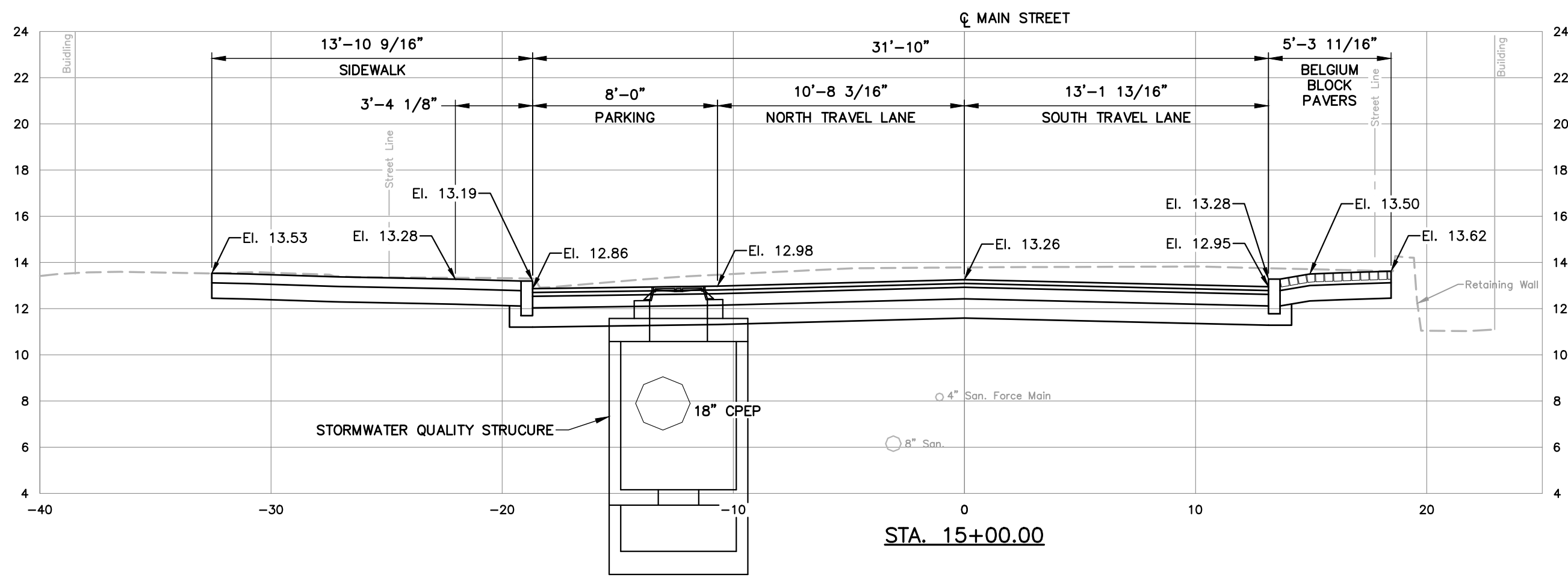
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.: C8.4
SCALE: 1"=5'	
PROJECT No.: 00100110	
CADD FILE: 0100110XS	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED: -	



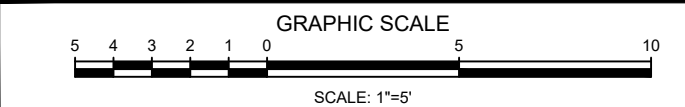
I:\Civil\3D\00100110\_Production Drawings\CD\00100110\10XS.dwg, XS 6, 9/20/2019 1:45:51 PM, AutoCAD PDF (General Documentation) pc3, 1:1



NOTES:

- SEE SHEET C1.0 FOR PROJECT NOTES.
- SITE FURNISHINGS AND ASSOCIATED PAVEMENT SECTIONS ARE NOT REPRESENTED IN CROSS SECTIONS.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT  
  
MAIN STREET  
IMPROVEMENTS  
PHASE 3

CROSS SECTIONS  
STA. 14+40.00 TO  
STA. 15+00.00

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

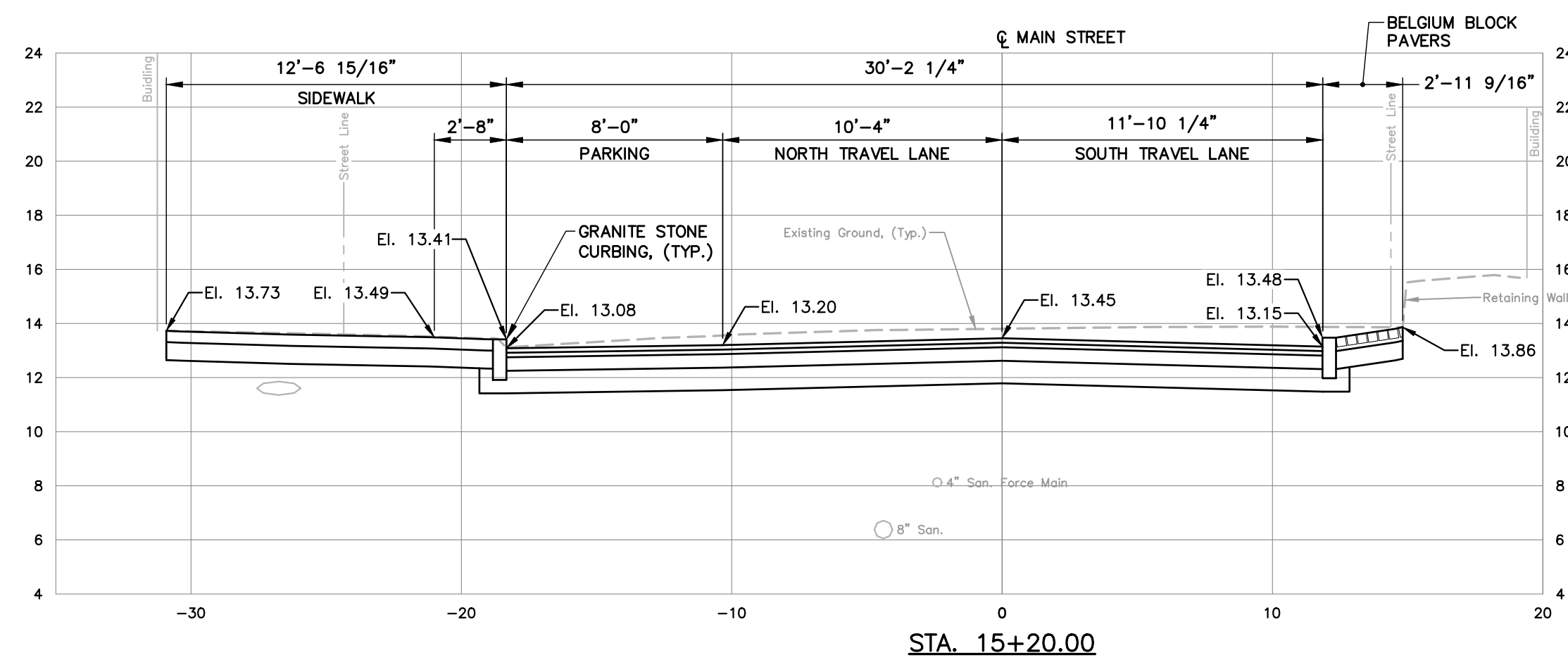
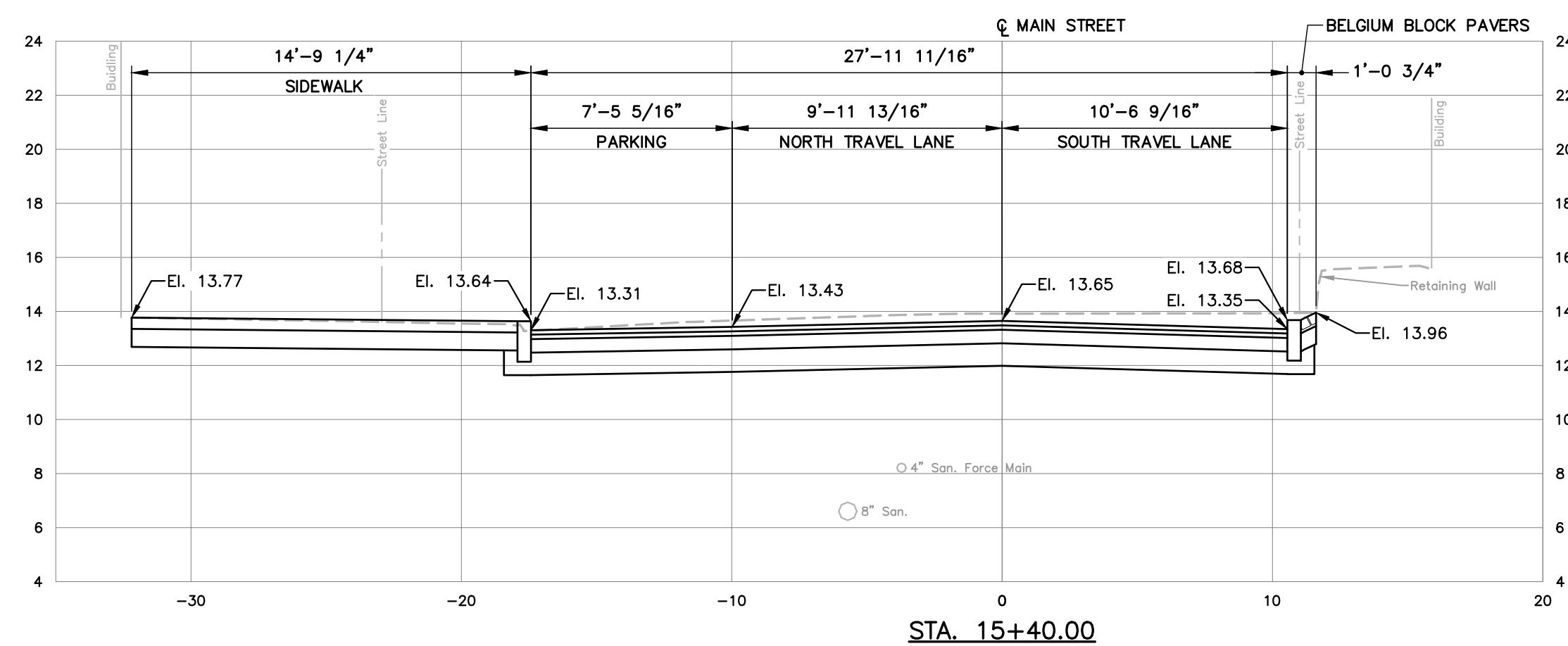
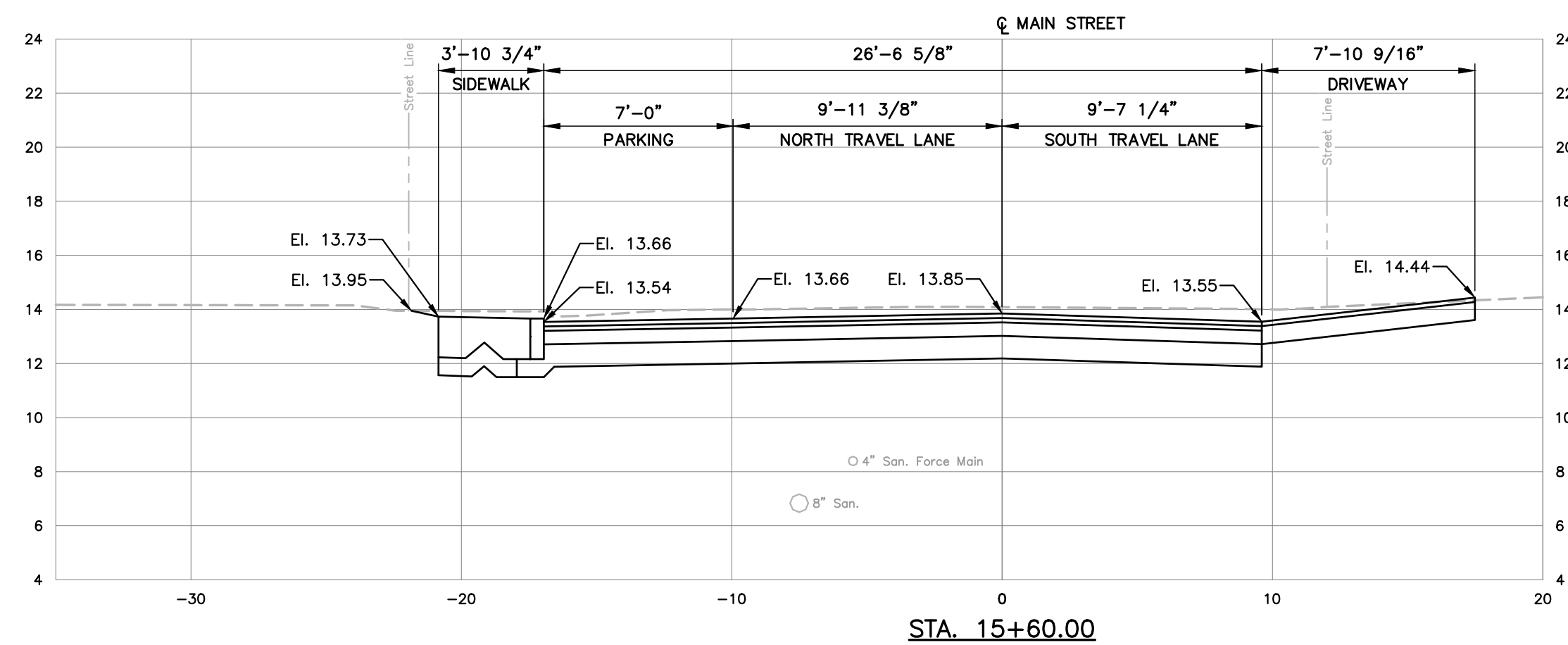
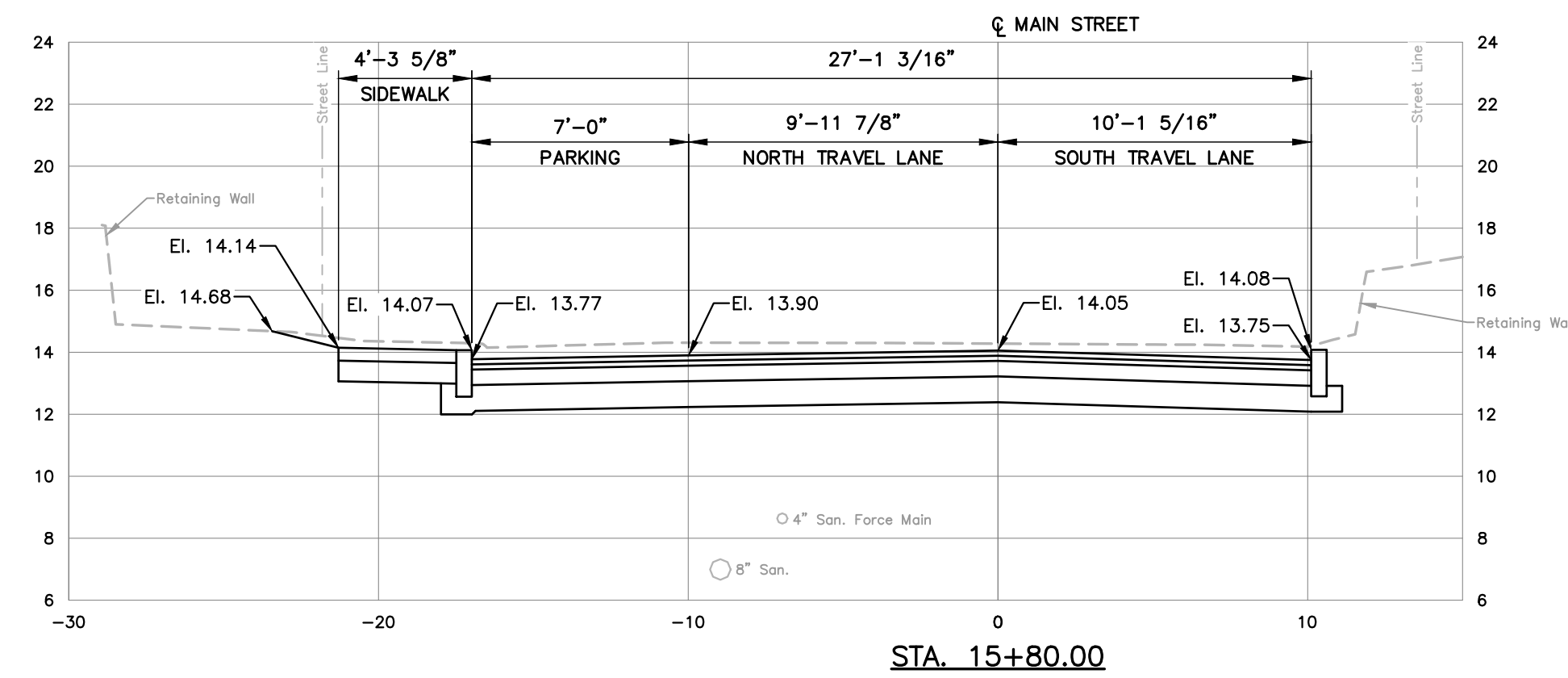
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: 1"=5'  
PROJECT No.: 0100110  
CADD FILE: 0100110XS  
DESIGNED: ALM  
DRAWN: AJG  
CHECKED: -

SHEET No.:  
  
**C8.5**

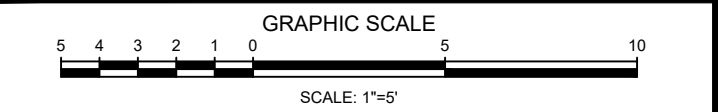




NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.
2. SITE FURNISHINGS AND ASSOCIATED PAVEMENT SECTIONS ARE NOT REPRESENTED IN CROSS SECTIONS.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT

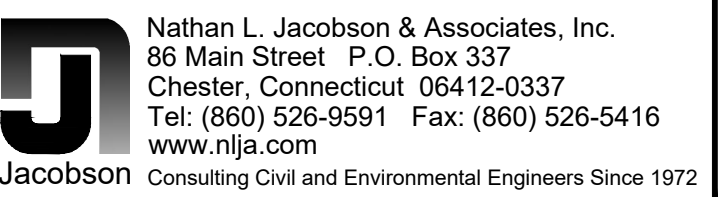
# MAIN STREET IMPROVEMENTS PHASE 3

# CROSS SECTIONS

## STA.15+20.00 TO STA. 15+80.00

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.



NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

## REVISIONS

No.	DESCRIPTION	DATE

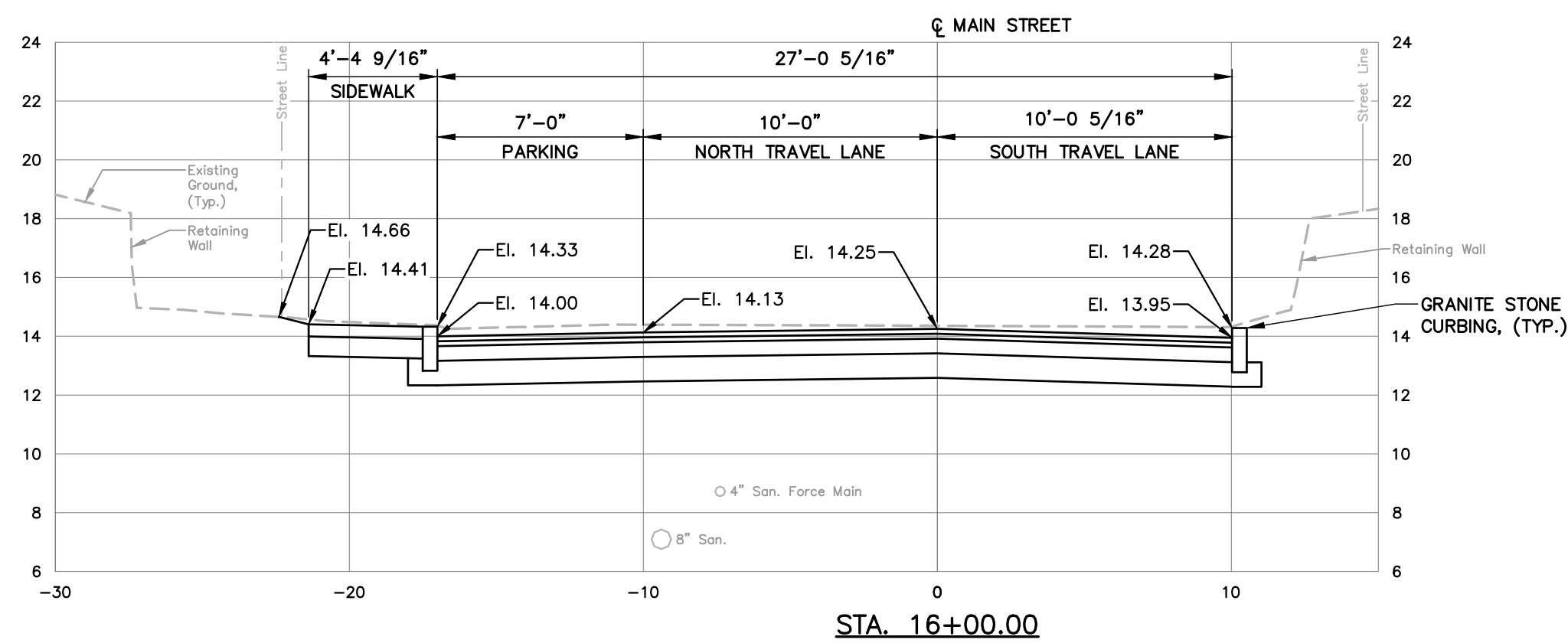
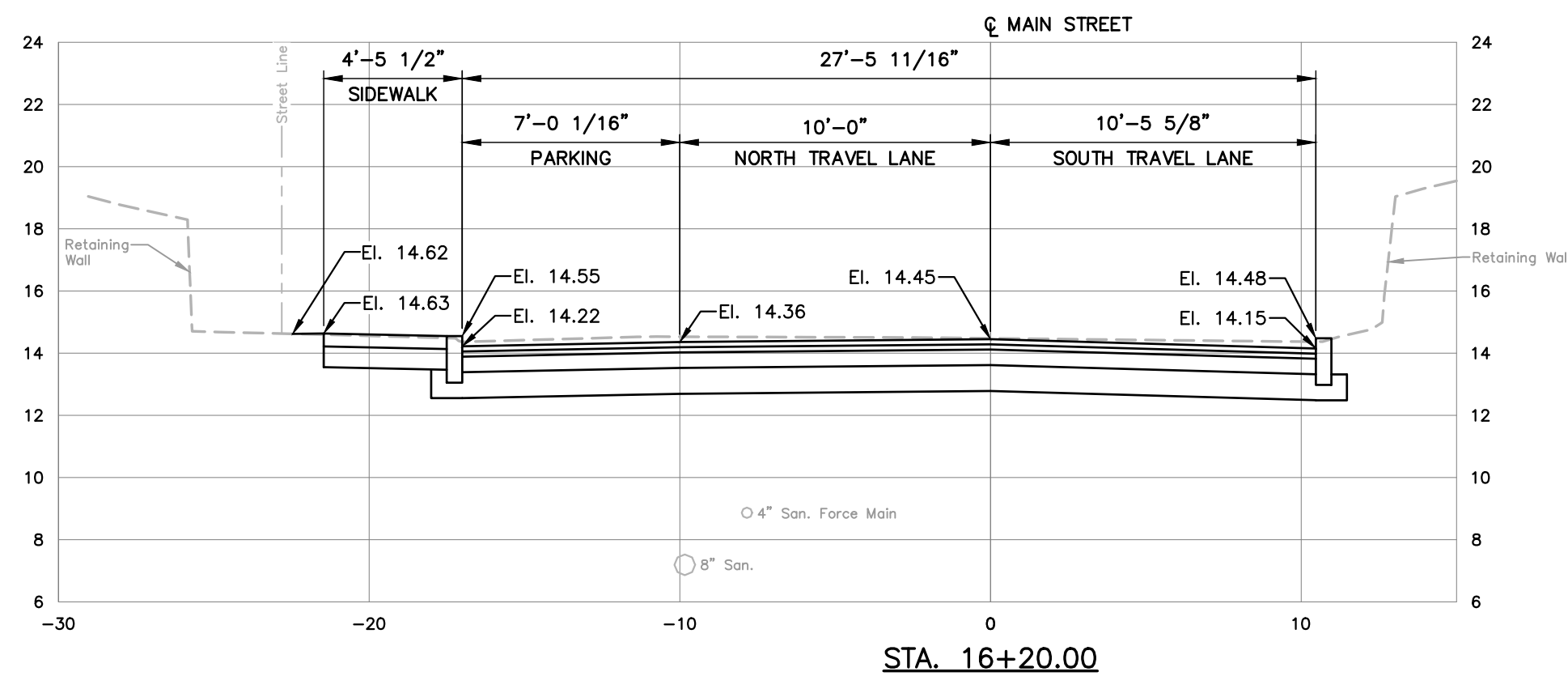
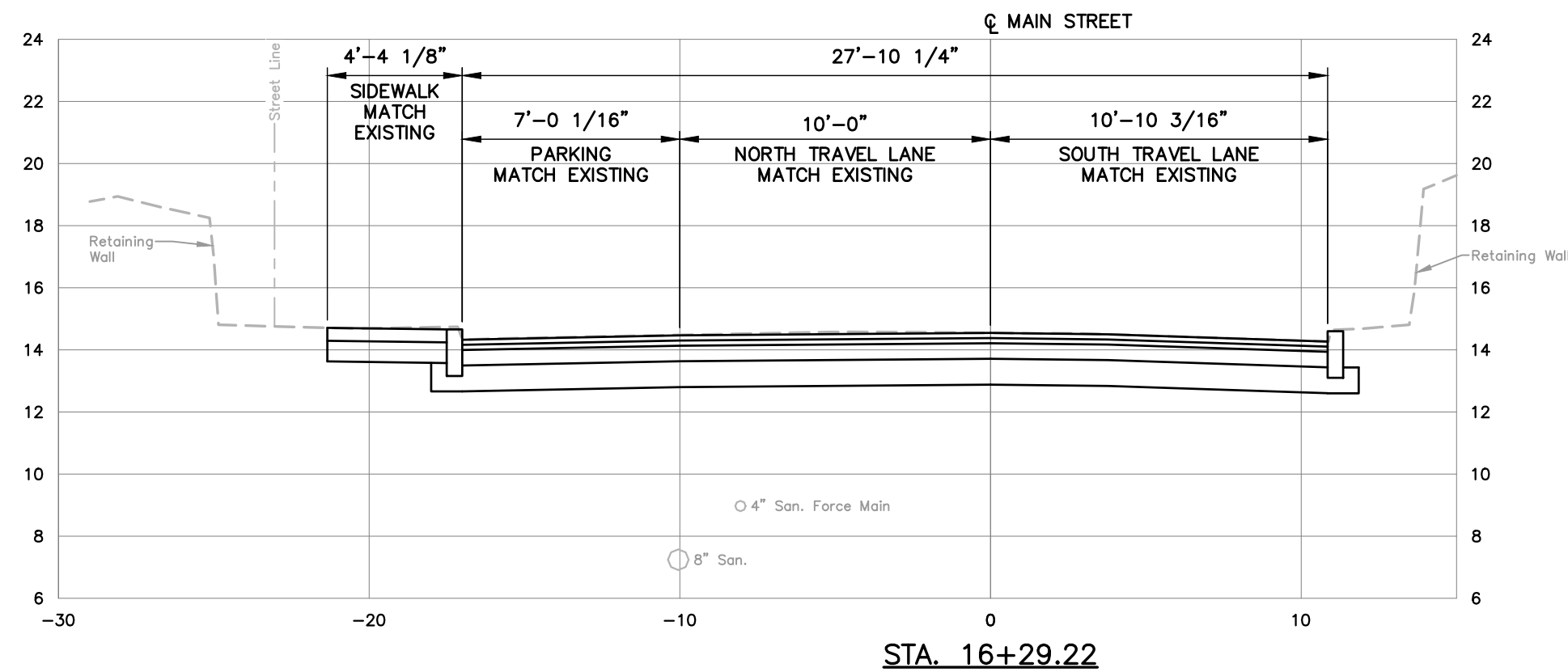
DATE:	SEPTEMBER 2019
SCALE:	1"=5'
PROJECT No.:	00100110
CADD FILE:	0100110XS
DESIGNED:	ALM
DRAWN:	AJG
CHECKED:	-

SHEET No.:

C8.6



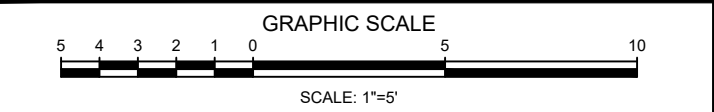
I:\Civil\3D\00100110\_Production Drawings\CD\00100110XS.dwg, XS \$, 9/20/2019 1:46:01 PM,  
\_AutoCAD PDF (General Documentation).pc3, 1:1



NOTES:

- SEE SHEET C1.0 FOR PROJECT NOTES.
- SITE FURNISHINGS AND ASSOCIATED PAVEMENT SECTIONS ARE NOT REPRESENTED IN CROSS SECTIONS.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

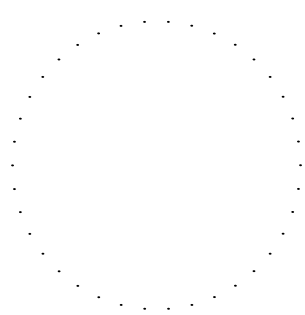
CROSS SECTIONS  
STA.16+00.00 TO  
STA. 16+29.22

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Jacobson** Nathan L. Jacobson & Associates, Inc.  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL



AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

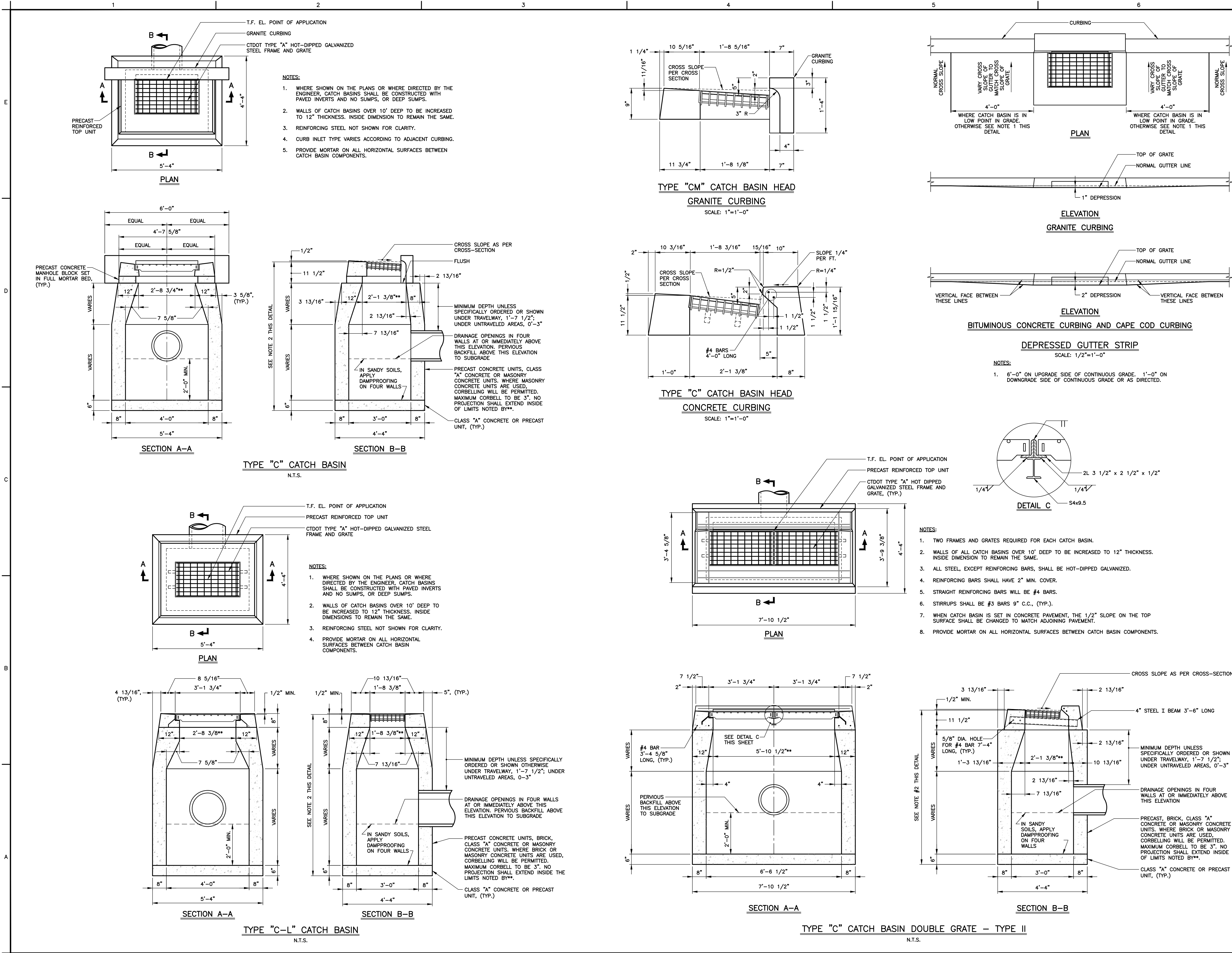
REVISIONS

No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: 1"=5'  
PROJECT No.: 00100110  
CADD FILE: 0100110XS  
DESIGNED: ALM  
DRAWN: AJG  
CHECKED: -

SHEET No.:  
  
C8.7





NOTES:

- SEE SHEET C1.0 FOR PROJECT NOTES.

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

STORM DRAINAGE  
DETAILS

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

Nathan L. Jacobson & Associates, Inc.  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTESEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

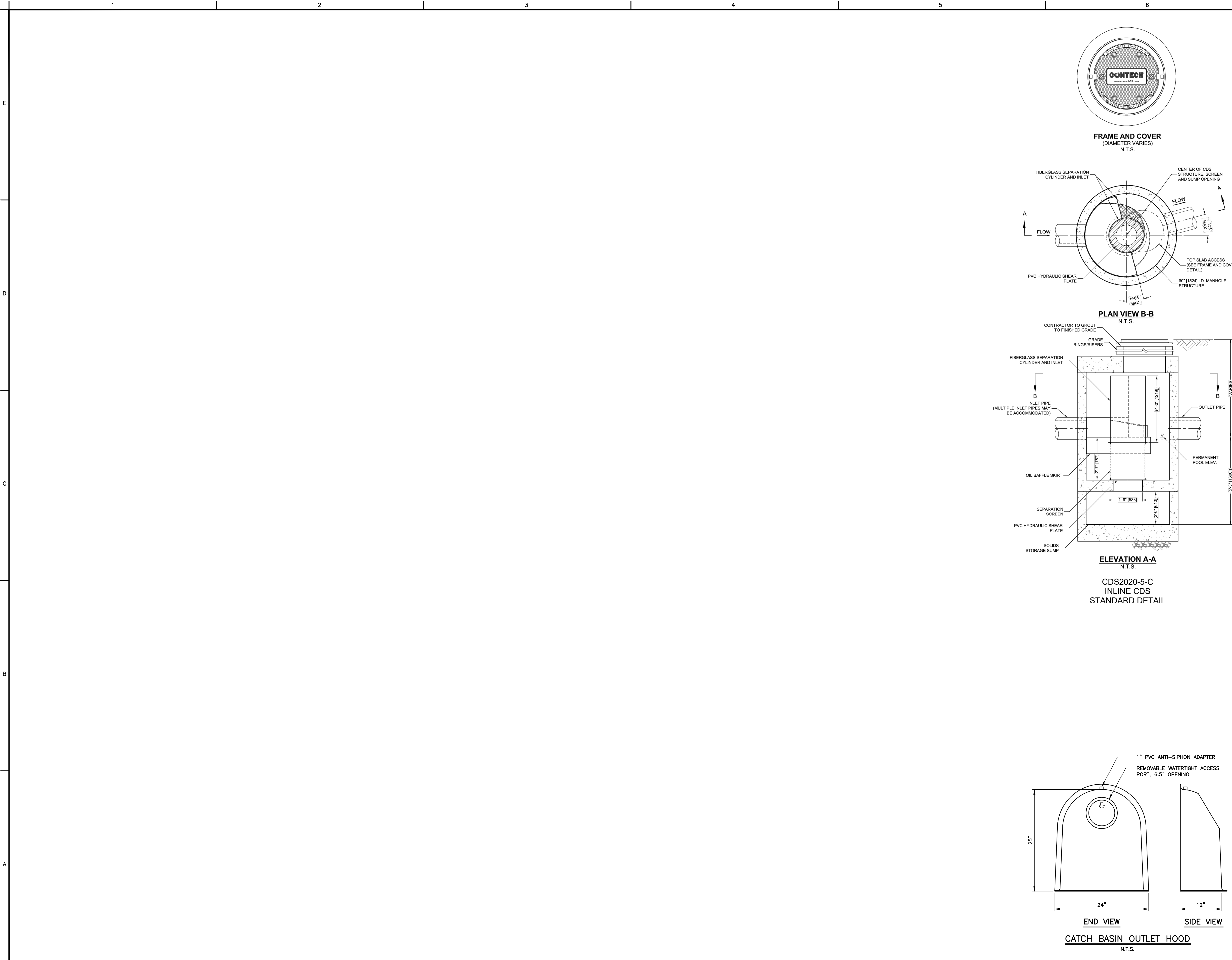
REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.: C9.0
SCALE: AS NOTED	
PROJECT No.: 0100110	
CADD FILE: 0100110DT	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED: -	









NOTES:  
1. SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

STORM DRAINAGE  
DETAILS

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

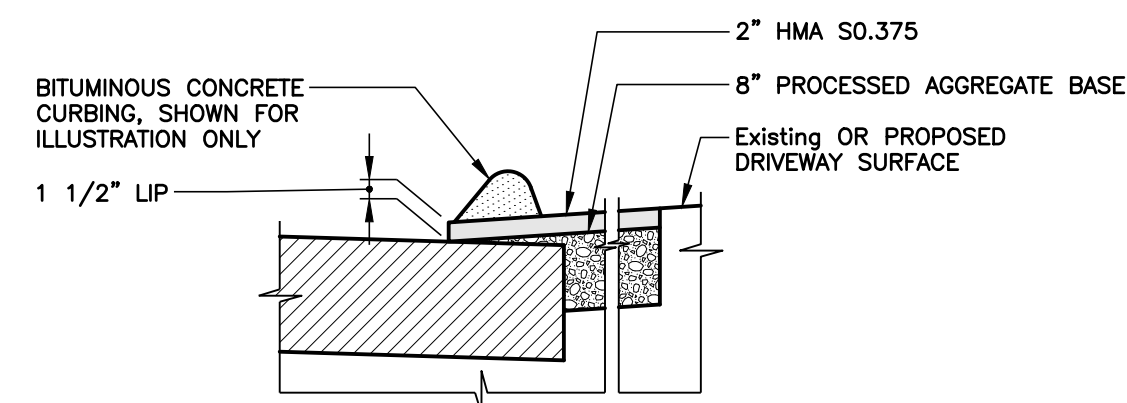
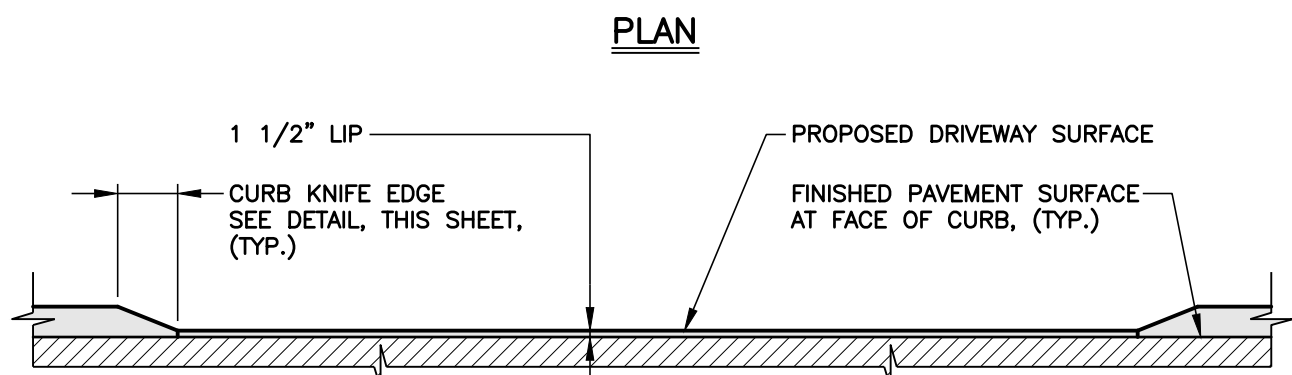
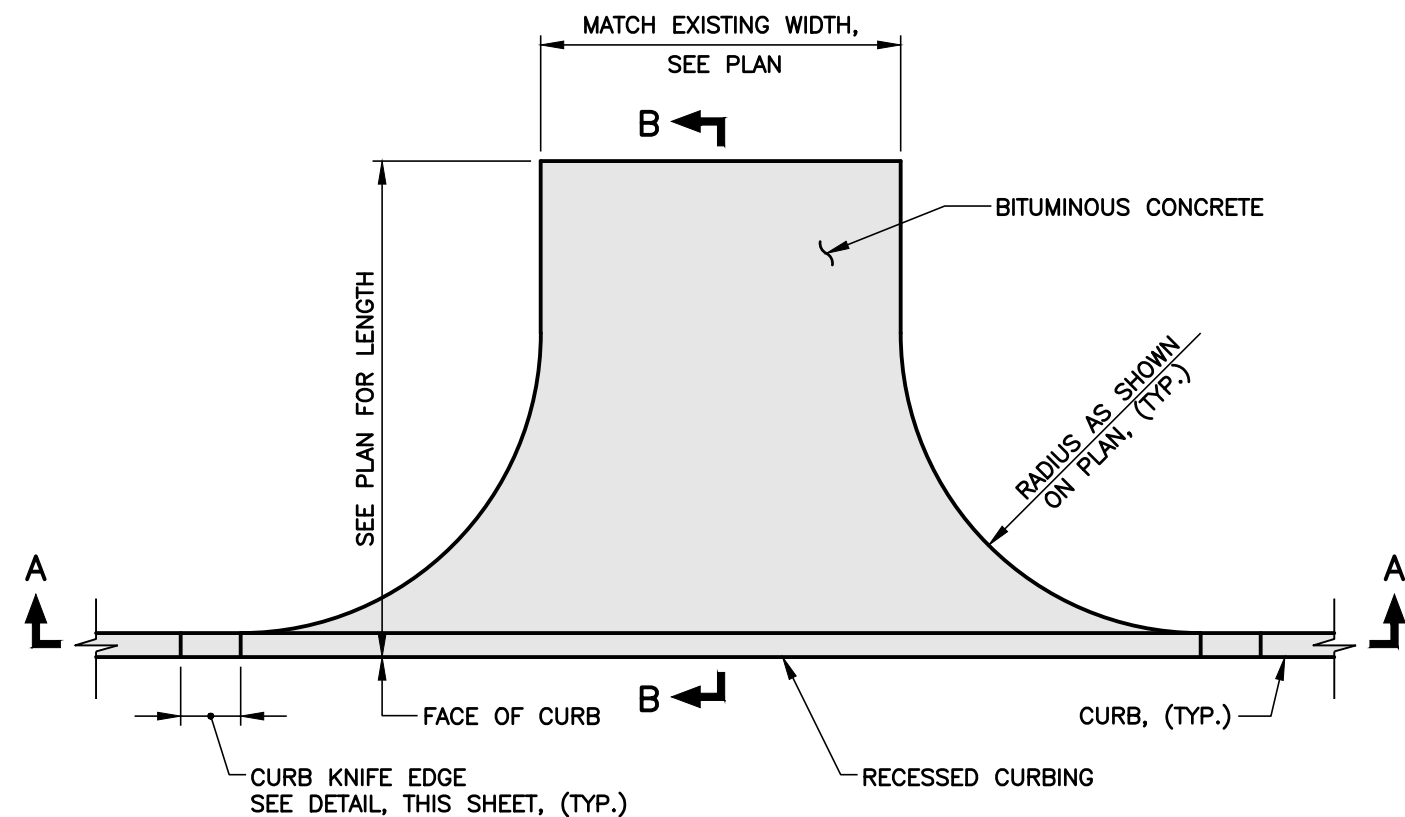
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

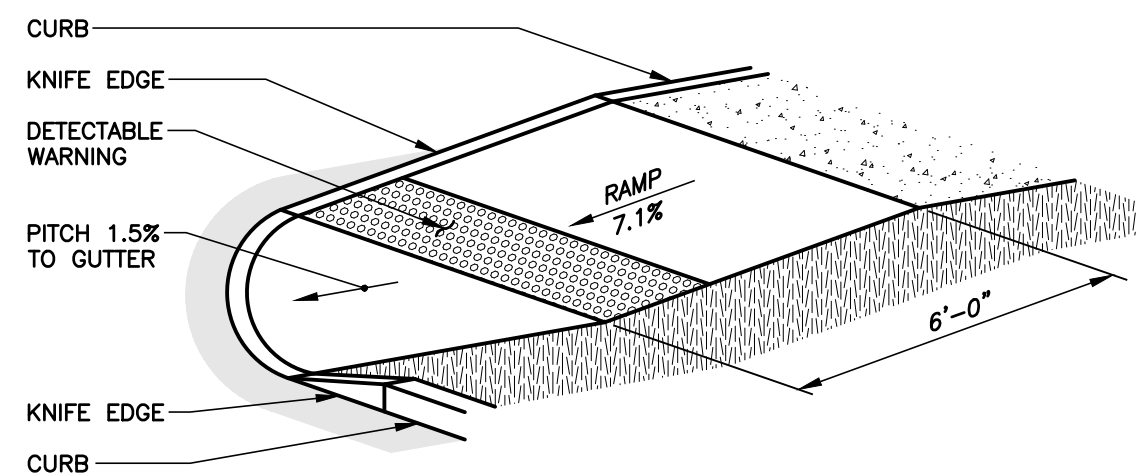
DATE: SEPTEMBER 2019 SCALE: AS NOTED PROJECT No.: 00100110 CADD FILE: 0100110DT DESIGNED: ALM DRAWN: AJG CHECKED: -	SHEET No.:  <b>C9.2</b>
---	-------------------------------



I:\Civil\3D\001001100\_Production Drawings\CD\001001100T.dwg, Ramps, 9/20/2019 1:45:55 PM, AutoCAD PDF (General Documentation) pc3, 1:1

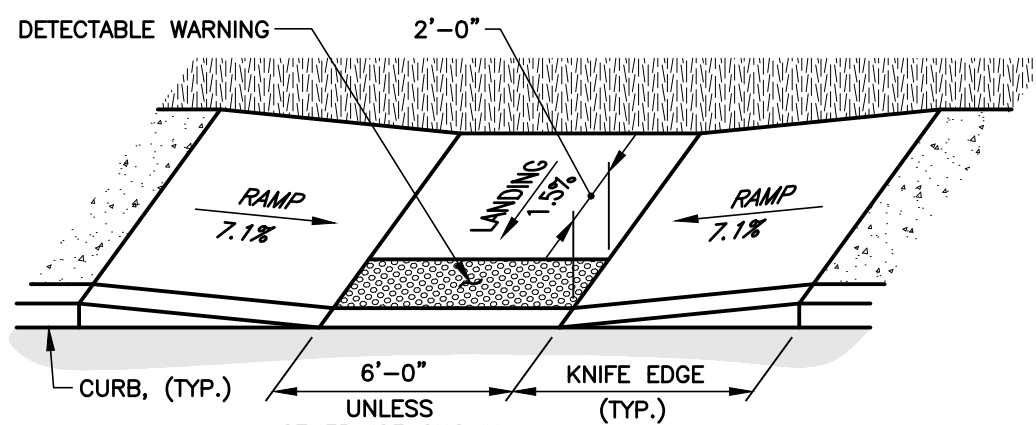


DRIVEWAY APRON  
N.T.S.

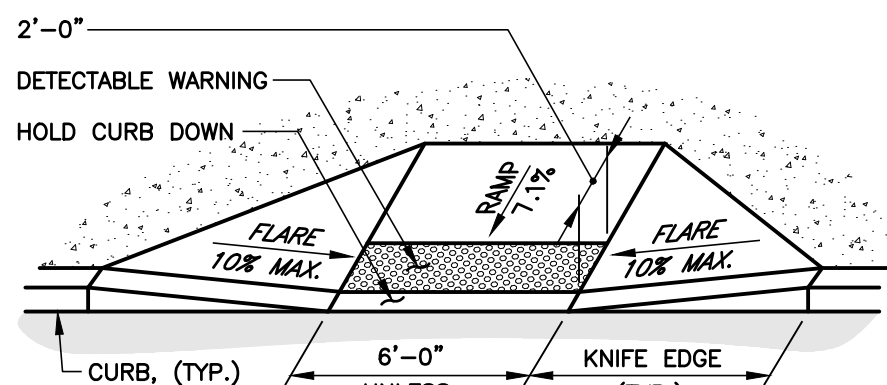


N.T.S.

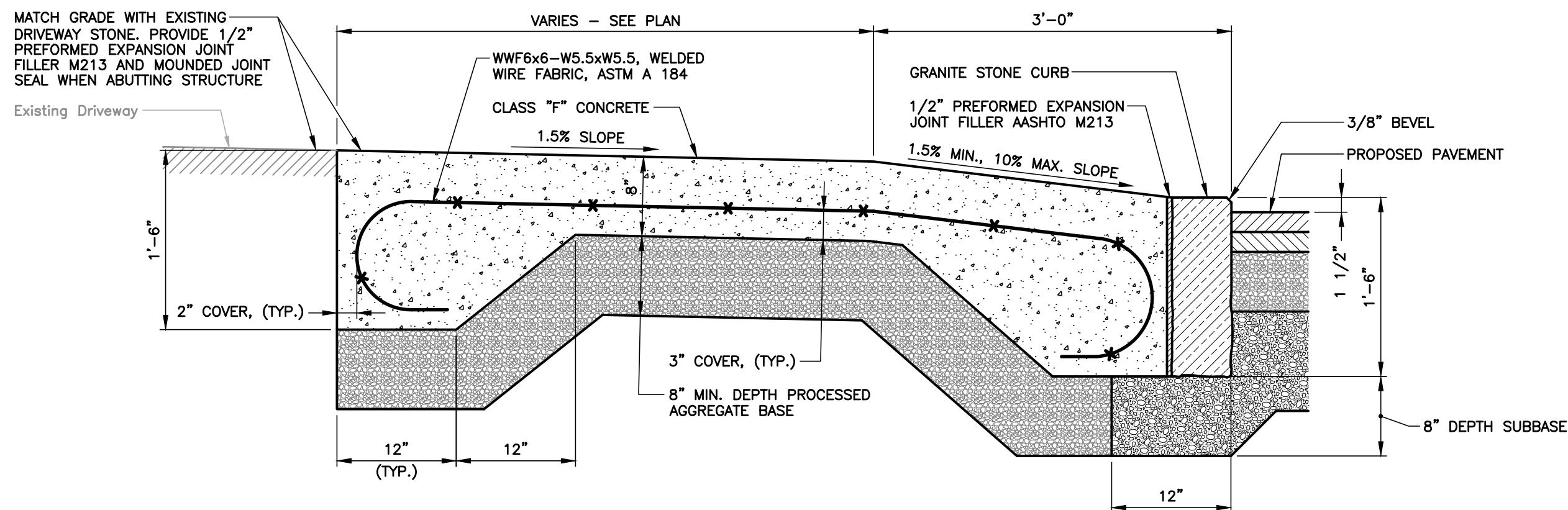
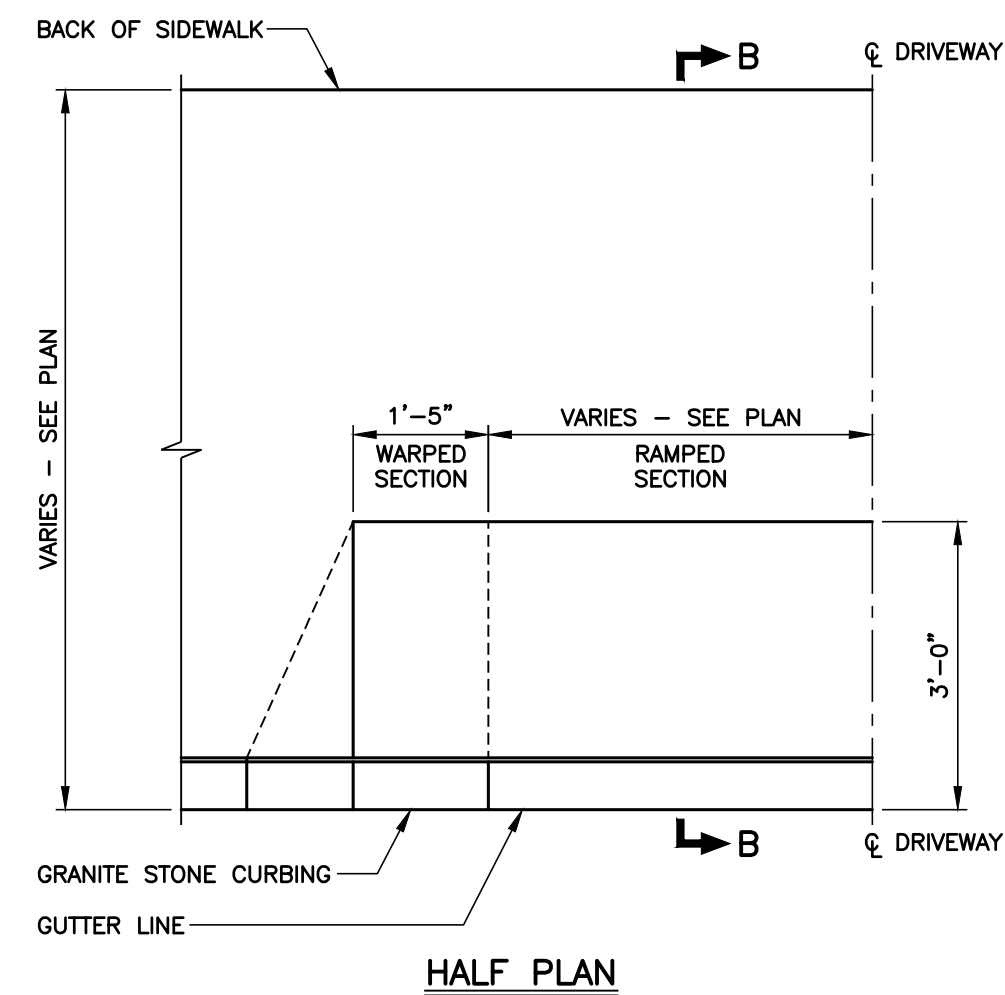
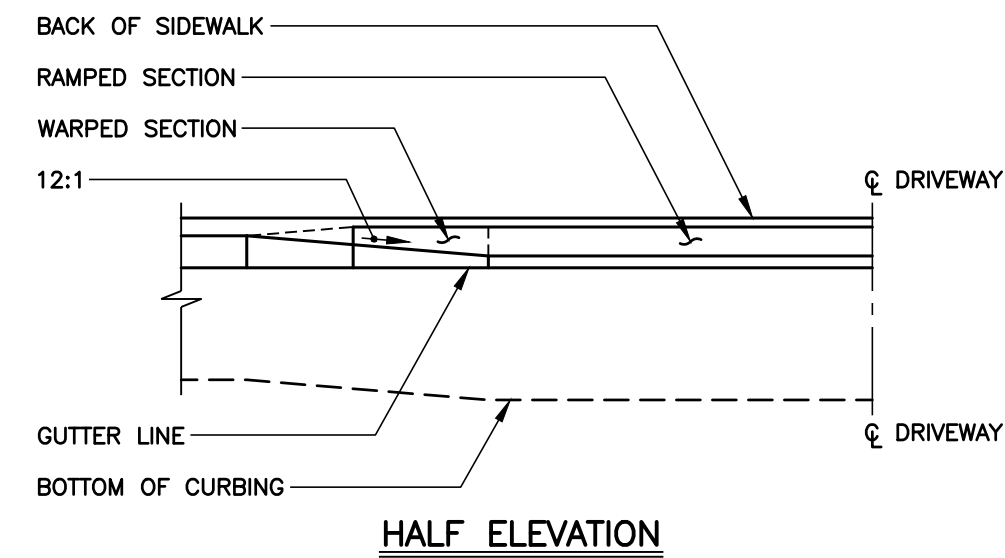
- NOTES:
1. ORIENTATION OF RAMP SHALL BE AS SHOWN ON PLAN.



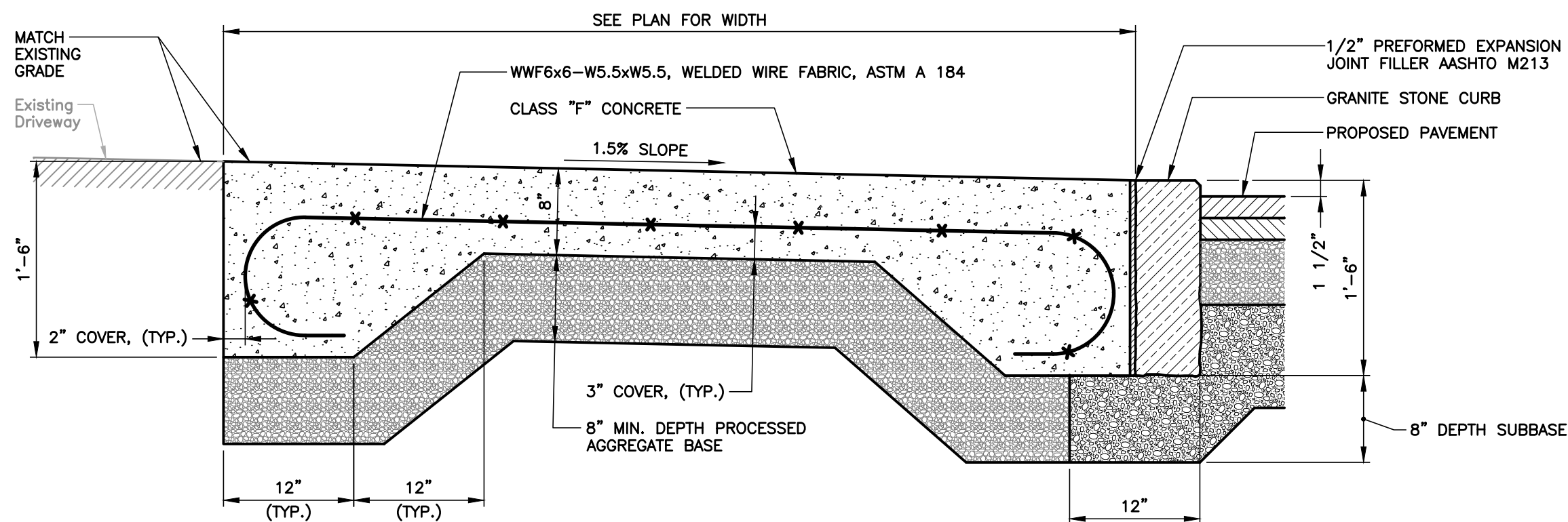
N.T.S.



N.T.S.



CONCRETE DRIVEWAY RAMP  
N.T.S.



N.T.S.

- NOTES:
1. SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

TOWN OF  
CHESTER, CONNECTICUT

## MAIN STREET IMPROVEMENTS PHASE 3

## DRIVEWAY AND CURB RAMP DETAILS

### CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

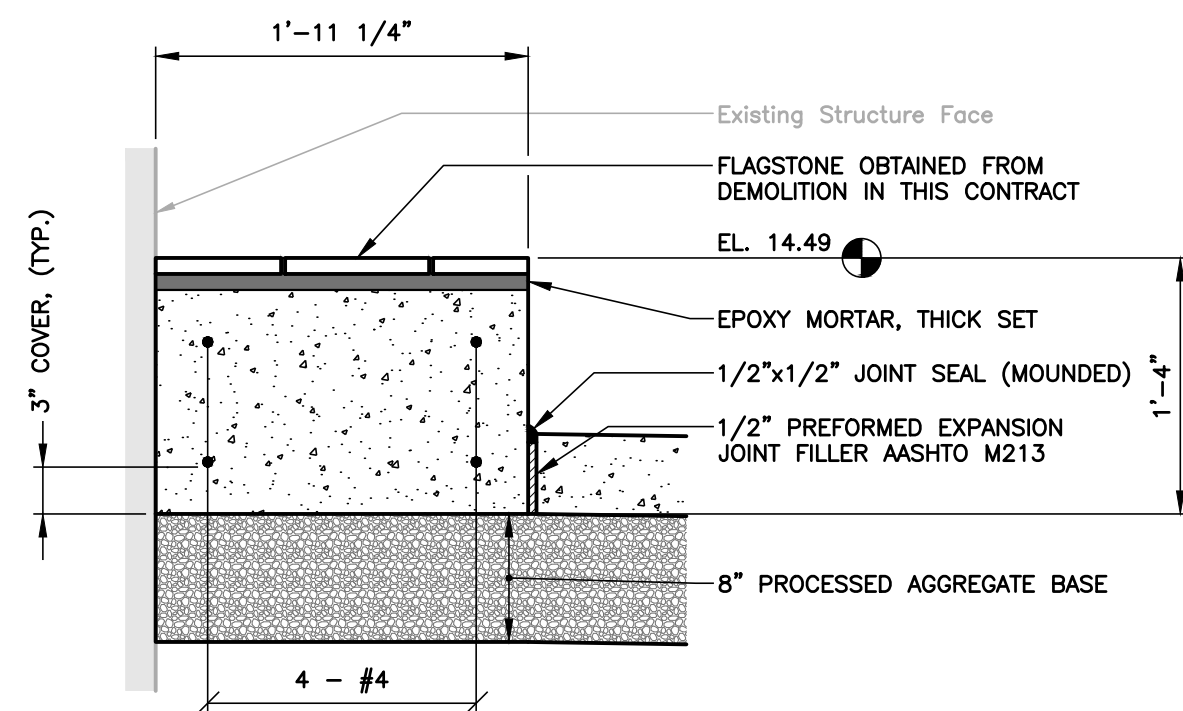
DATE: SEPTEMBER 2019  
SCALE: AS NOTED  
PROJECT No.: 0100110  
CADD FILE: 0100110DT  
DESIGNED: ALM  
DRAWN: AJG  
CHECKED: -

SHEET No.:

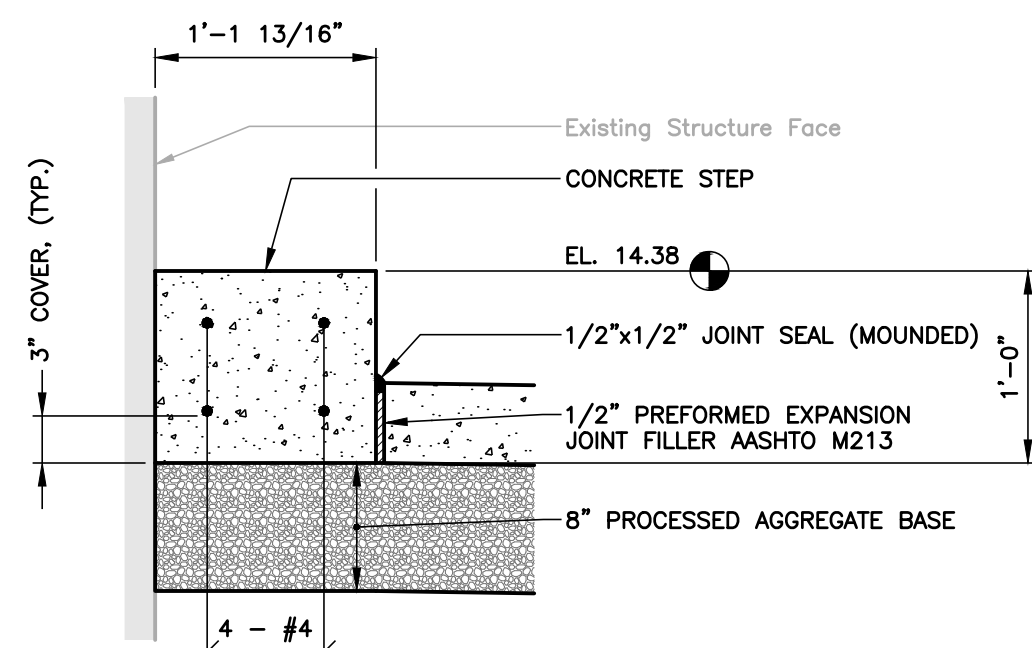
C9.3



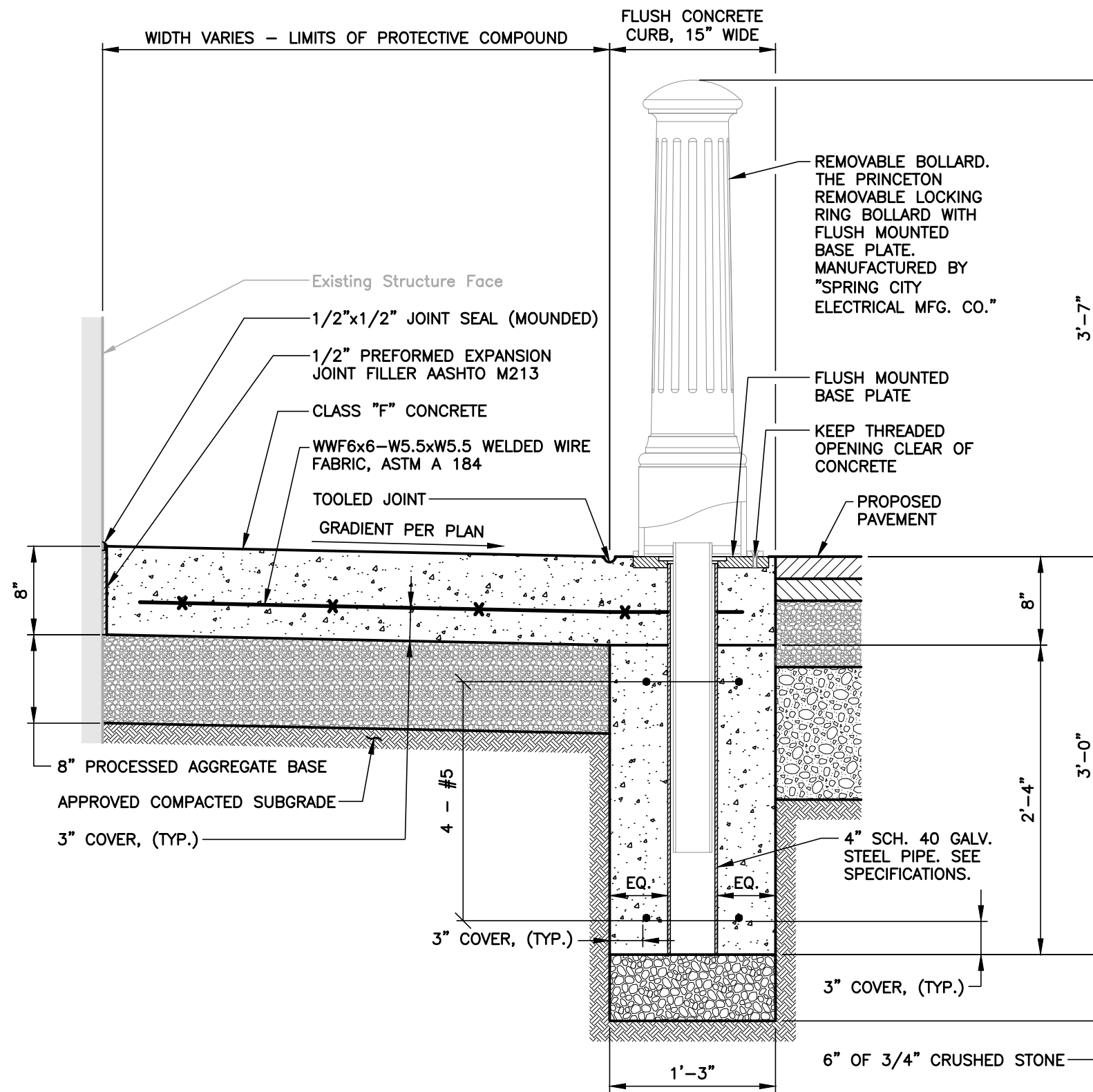
I:\Civil\3D\001\00110\_Production Drawings\CD\001\00110D.T.dwg, Swk 1, 9/20/2019 1:47:00 PM, AutoCAD PDF (General Documentation) pc3, 1:1



GOOD ELEPHANT CONCRETE STEP  
SCALE: 1"=1'-0"



PERFECT PEAR CONCRETE STEP  
SCALE: 1"=1'-0"

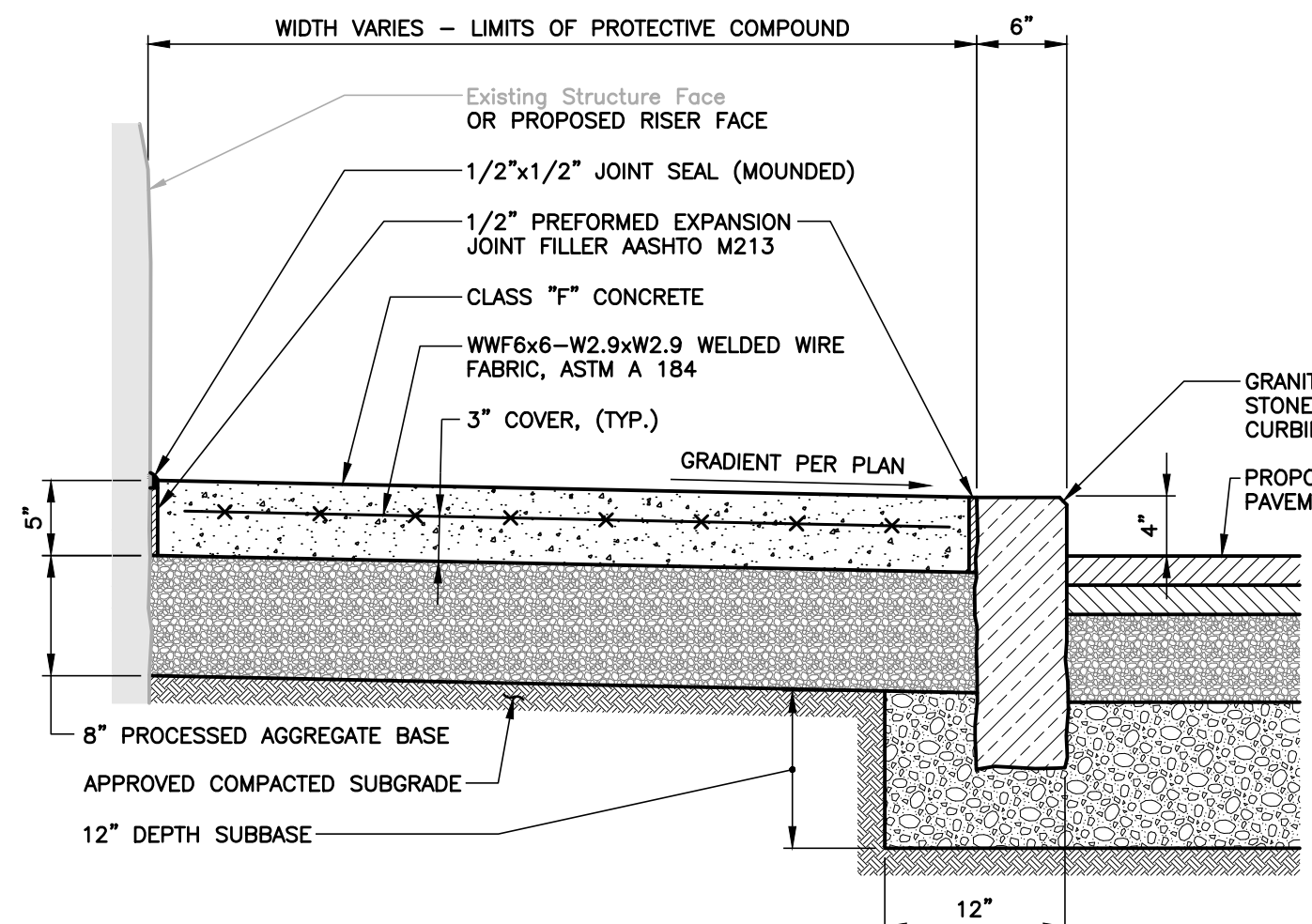
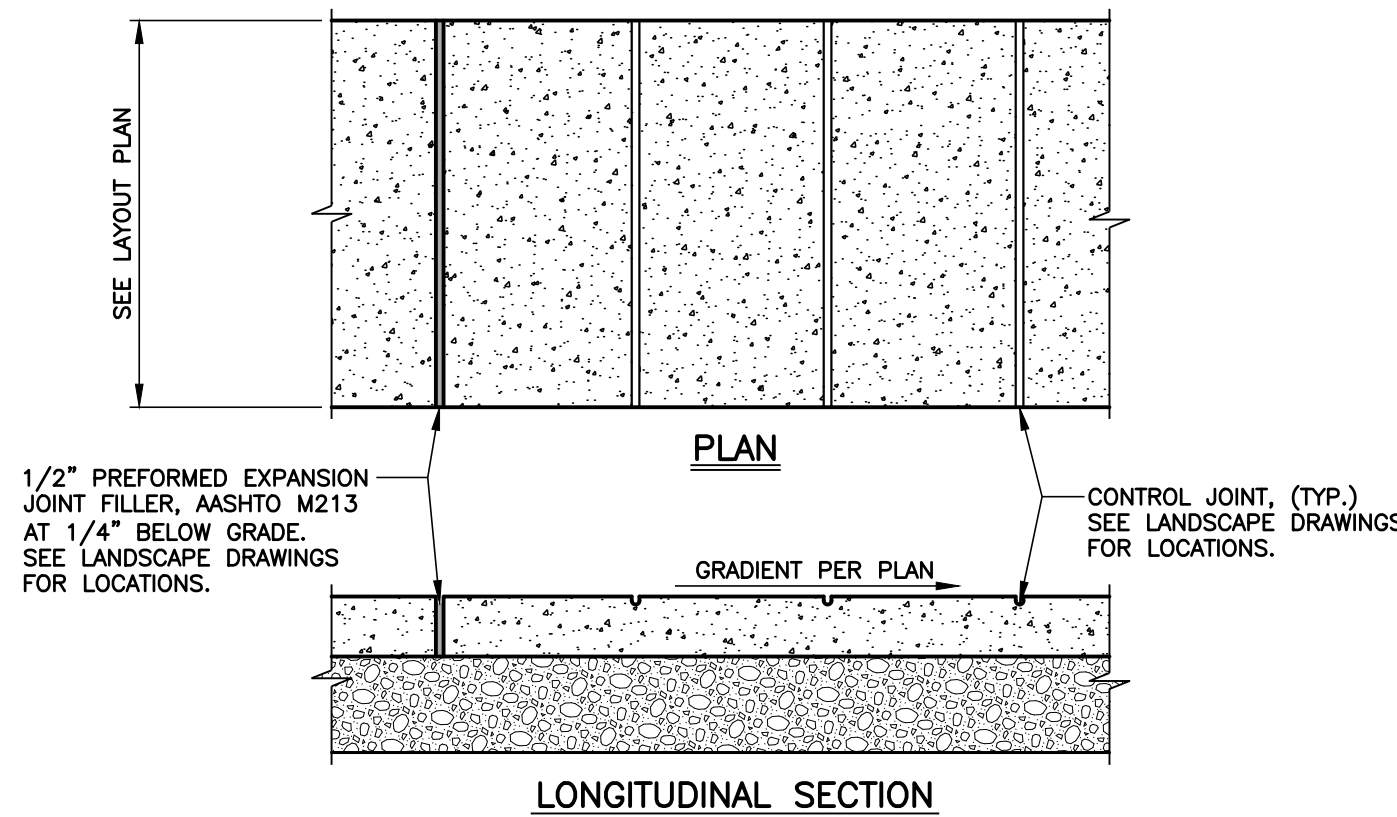


CROSS SECTION WITH BOLLARD SLEEVE

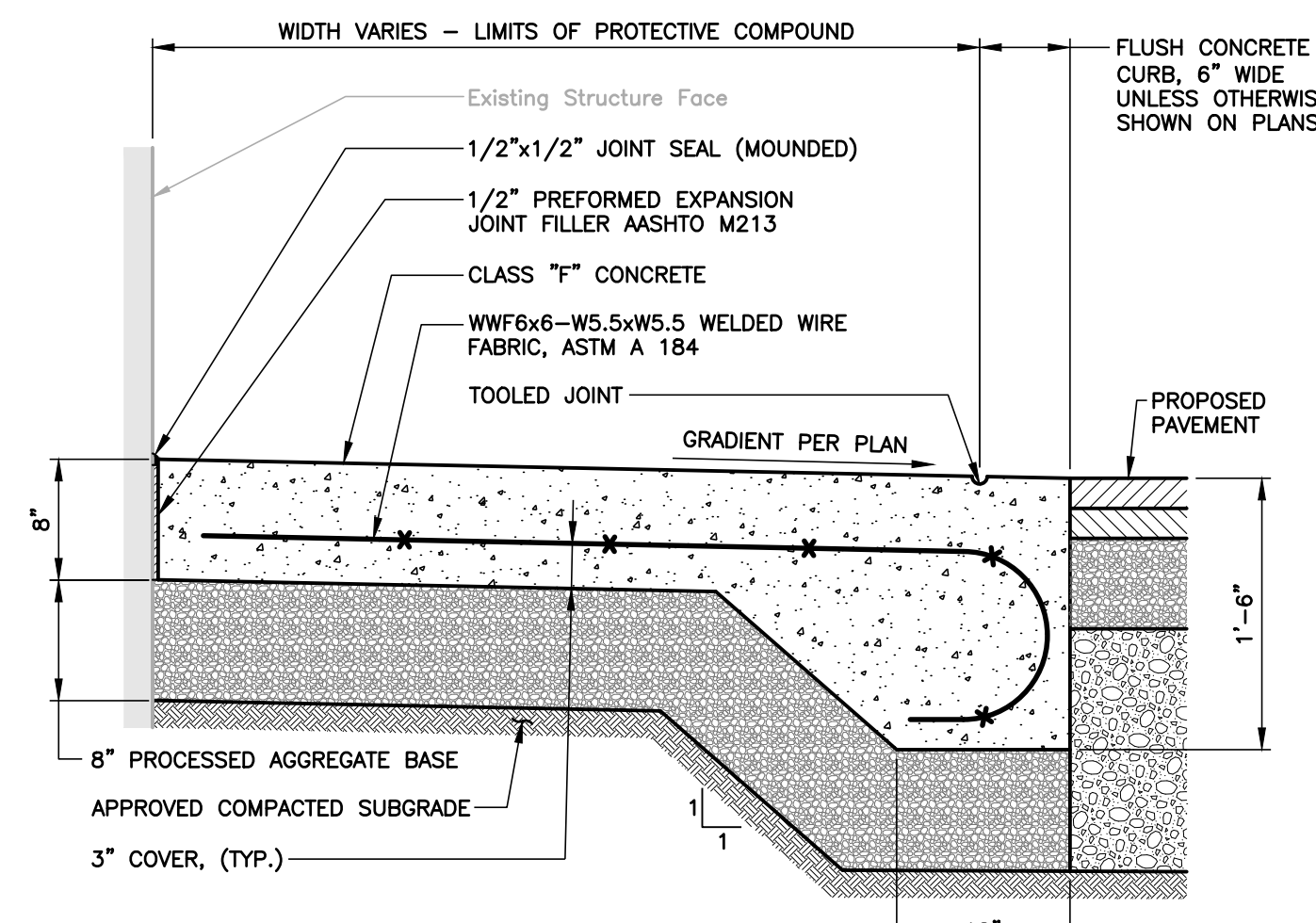
CONCRETE SIDEWALK  
N.T.S.

NOTES:

1. PROVIDE TRANSVERSE BROOM FINISH.
2. OUTSIDE EDGES OF SLAB AND ALL JOINTS TO BE EDGED WITH A 1/4" RADIUS EDGING TOOL.
3. CENTER EXPANSION JOINT LOCATIONS ABOUT TREE WHERE NEAR EXISTING LARGE TREES.
4. PROVIDE 4 - #4 REINFORCING BARS BY 20 FEET LONG, EACH, IN SIDEWALK WITH ADJACENT TREES. CENTER BARS ABOUT TREE.
5. WHEN SIDEWALK IS ADJACENT TO VEGETATED AREAS, EXCLUDE EXPANSION JOINT FILLER SHOWN IN CROSS SECTION VIEW AND EXTEND PROCESSED AGGREGATE BASE 2" BEYOND SIDEWALK WIDTH.



CROSS SECTION WITH GRANITE STONE CURB



CROSS SECTION WITH FLUSH CONCRETE CURB

NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

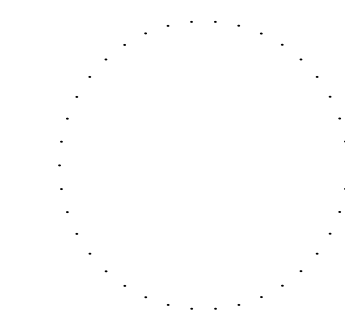
SIDEWALK DETAILS

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL



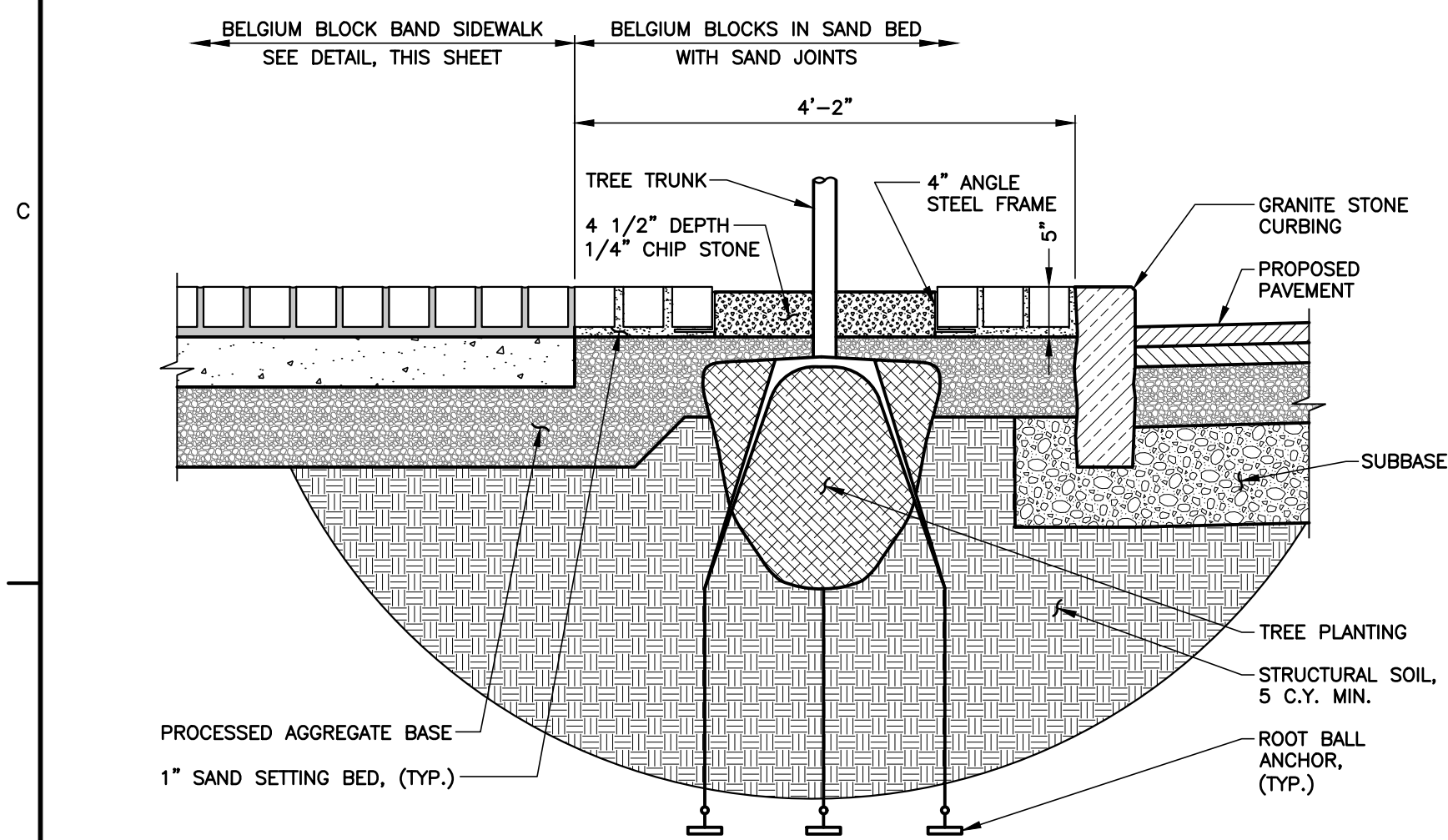
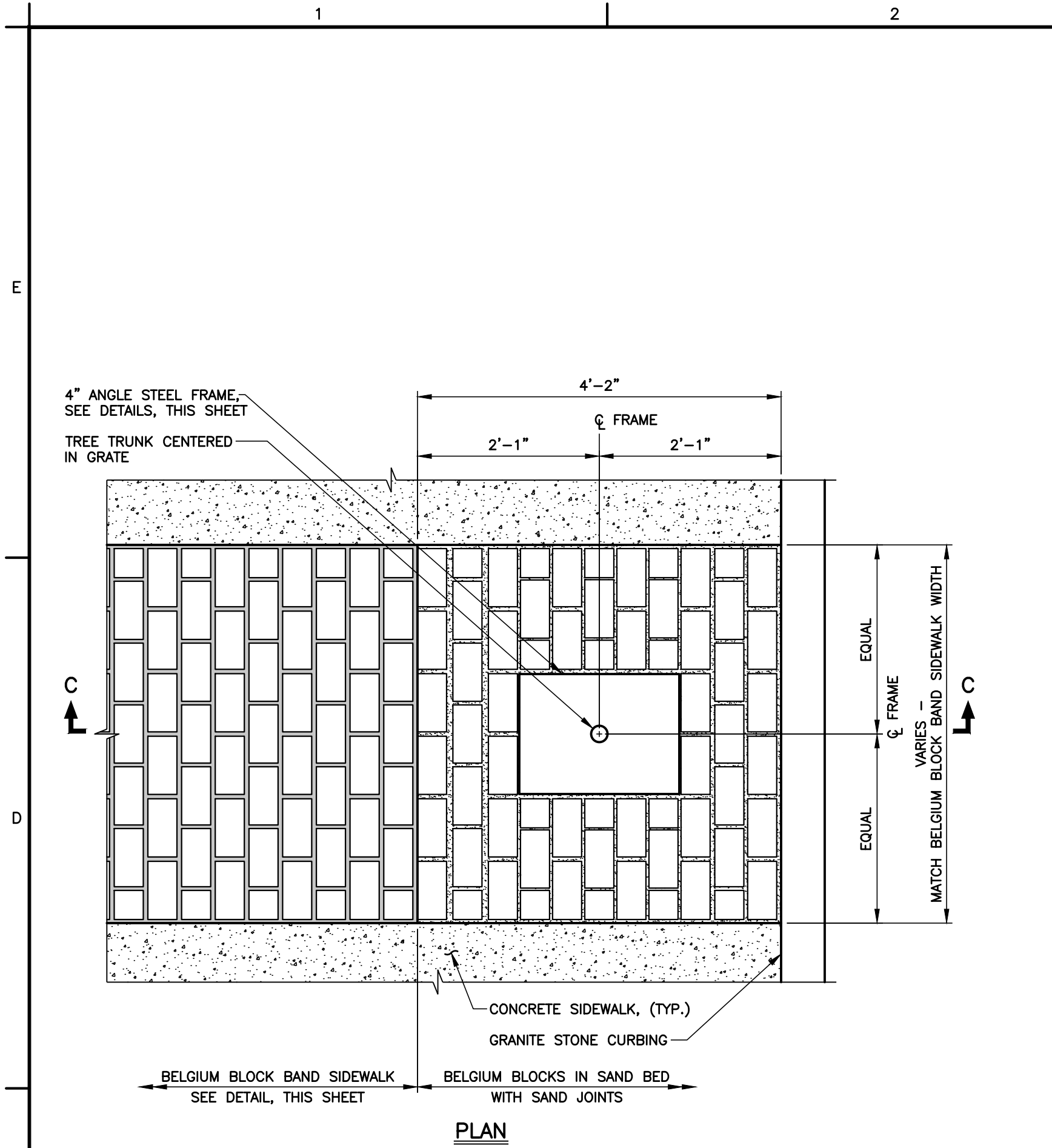
AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

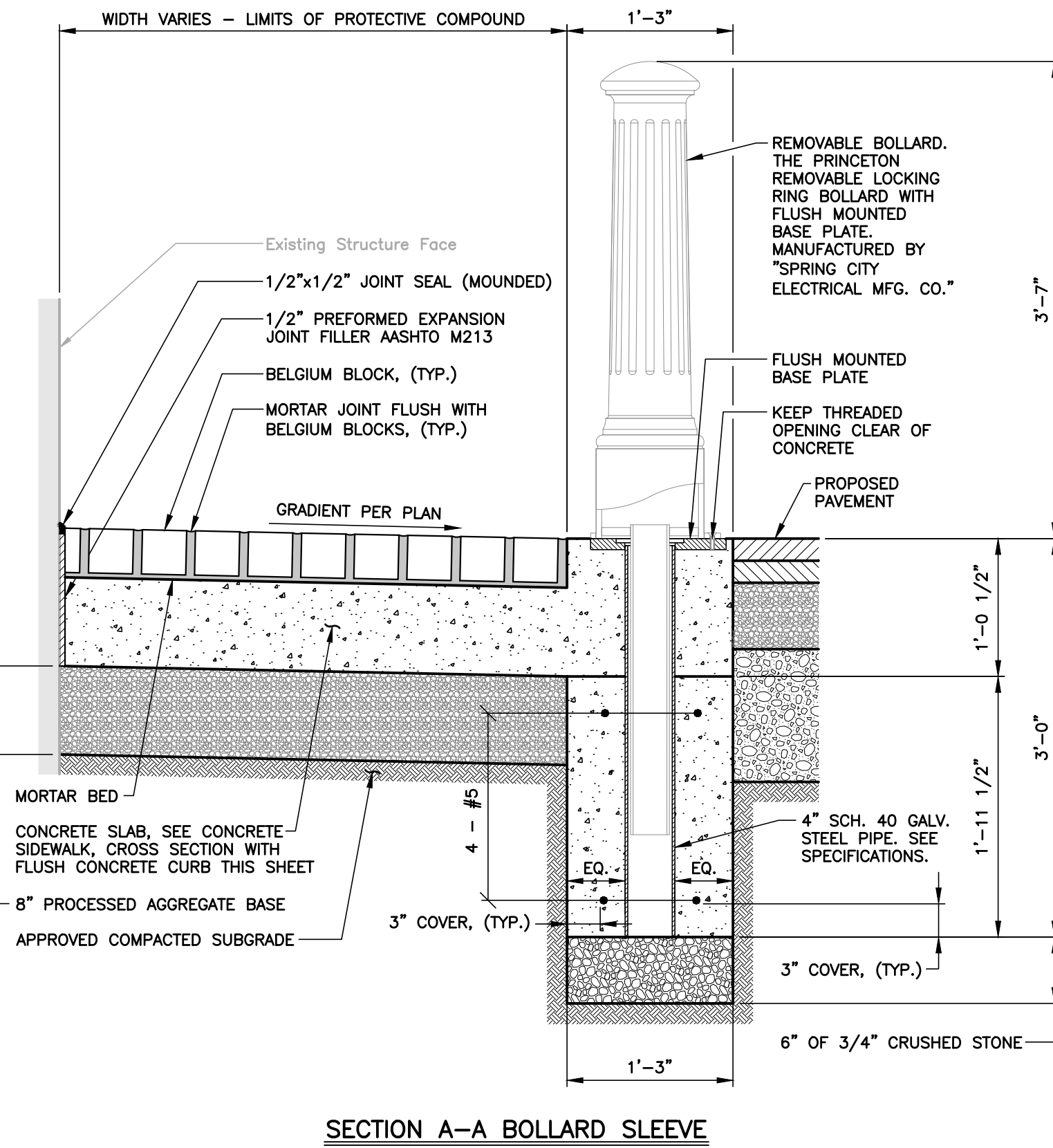
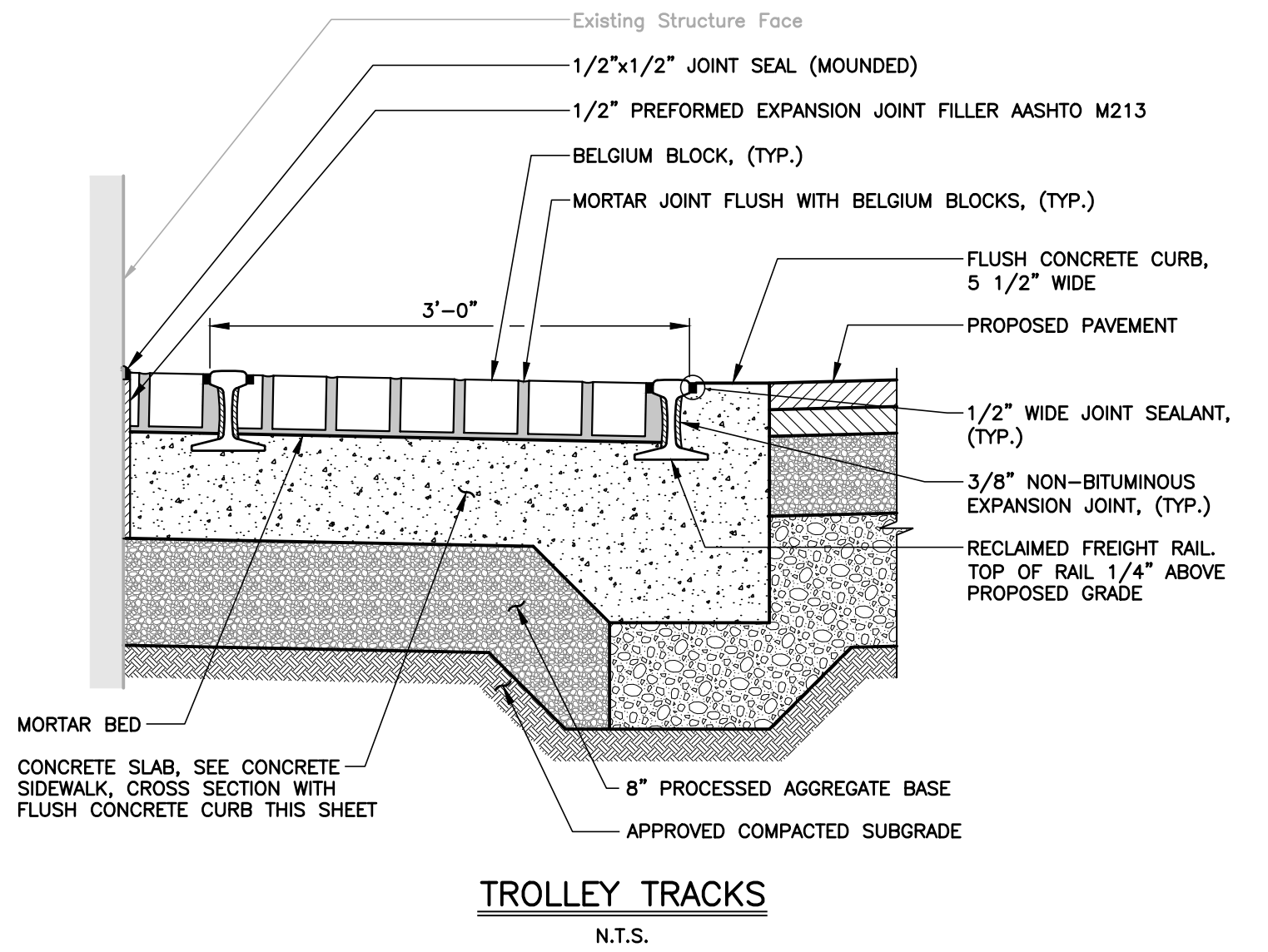
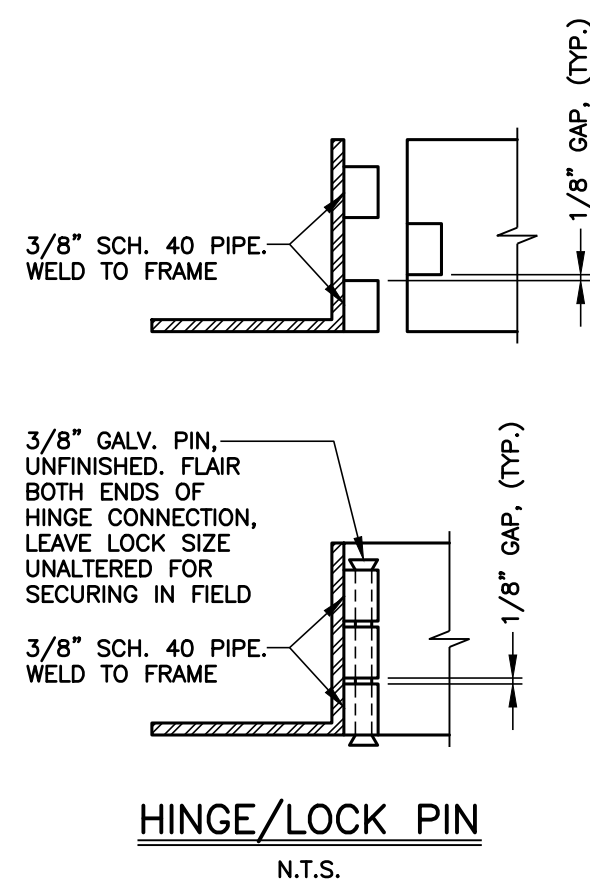
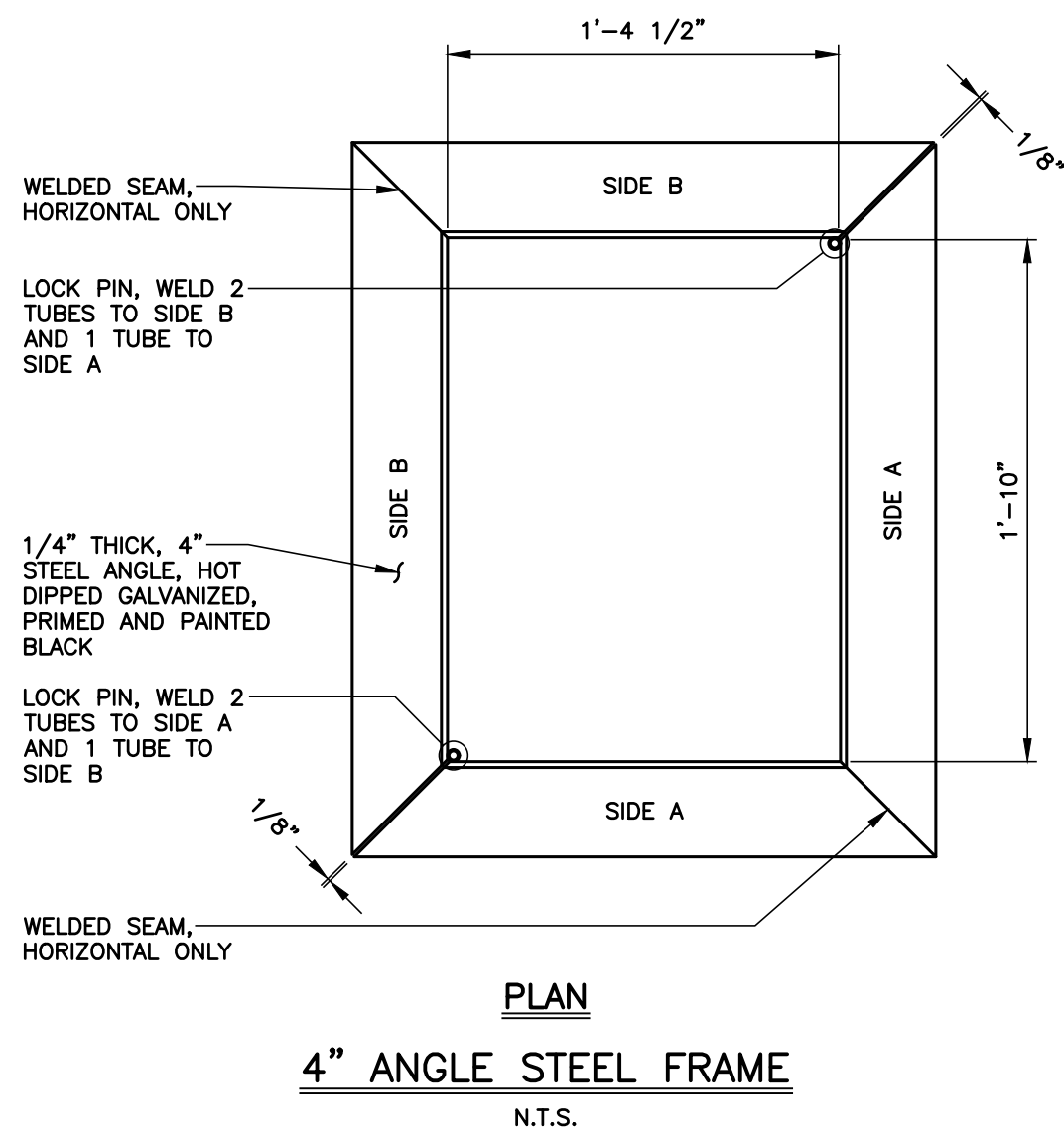
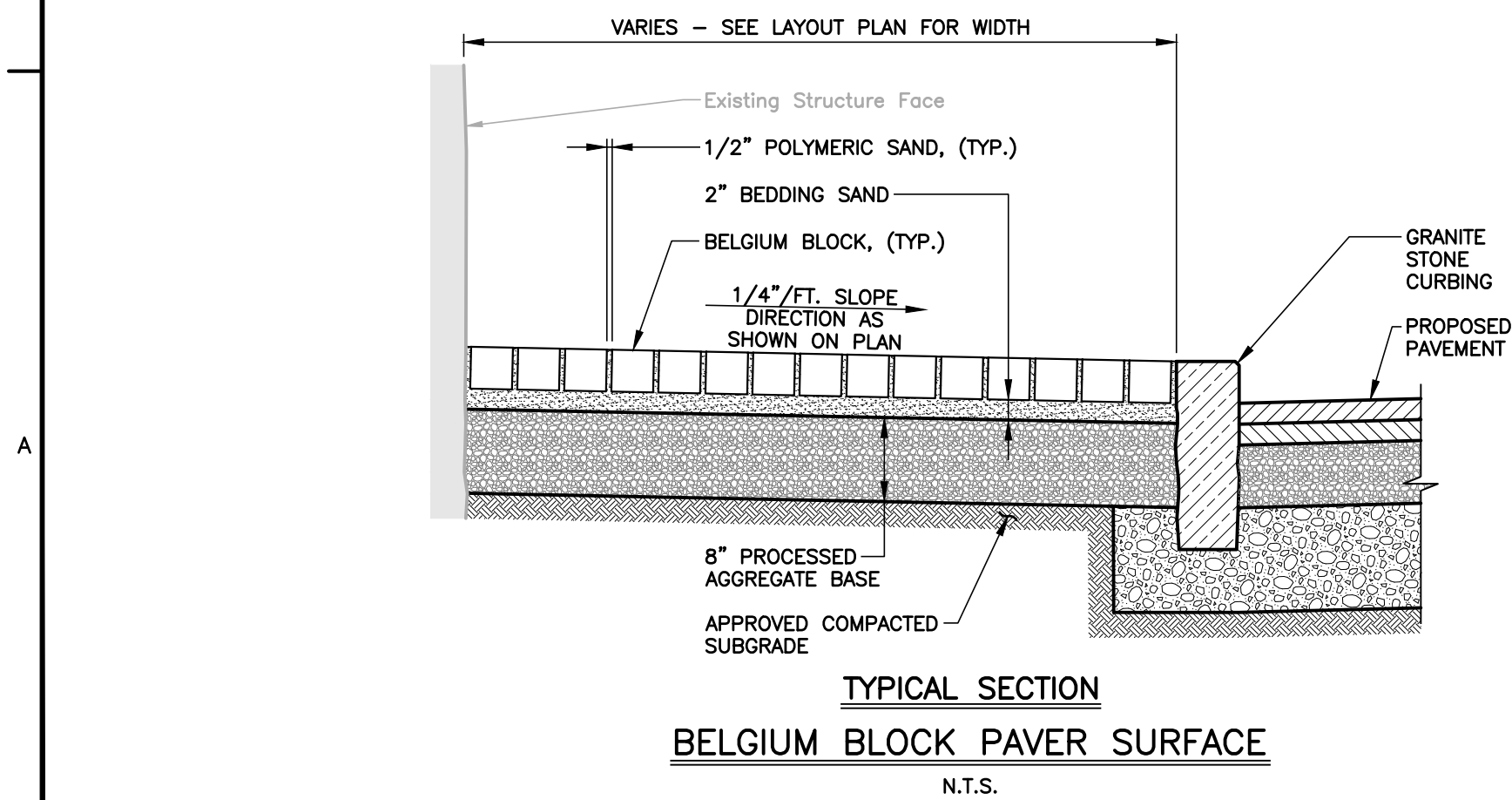
REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.: C9.4
SCALE: AS NOTED	
PROJECT No.: 00100110	
CADD FILE: 01001100T	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED: -	

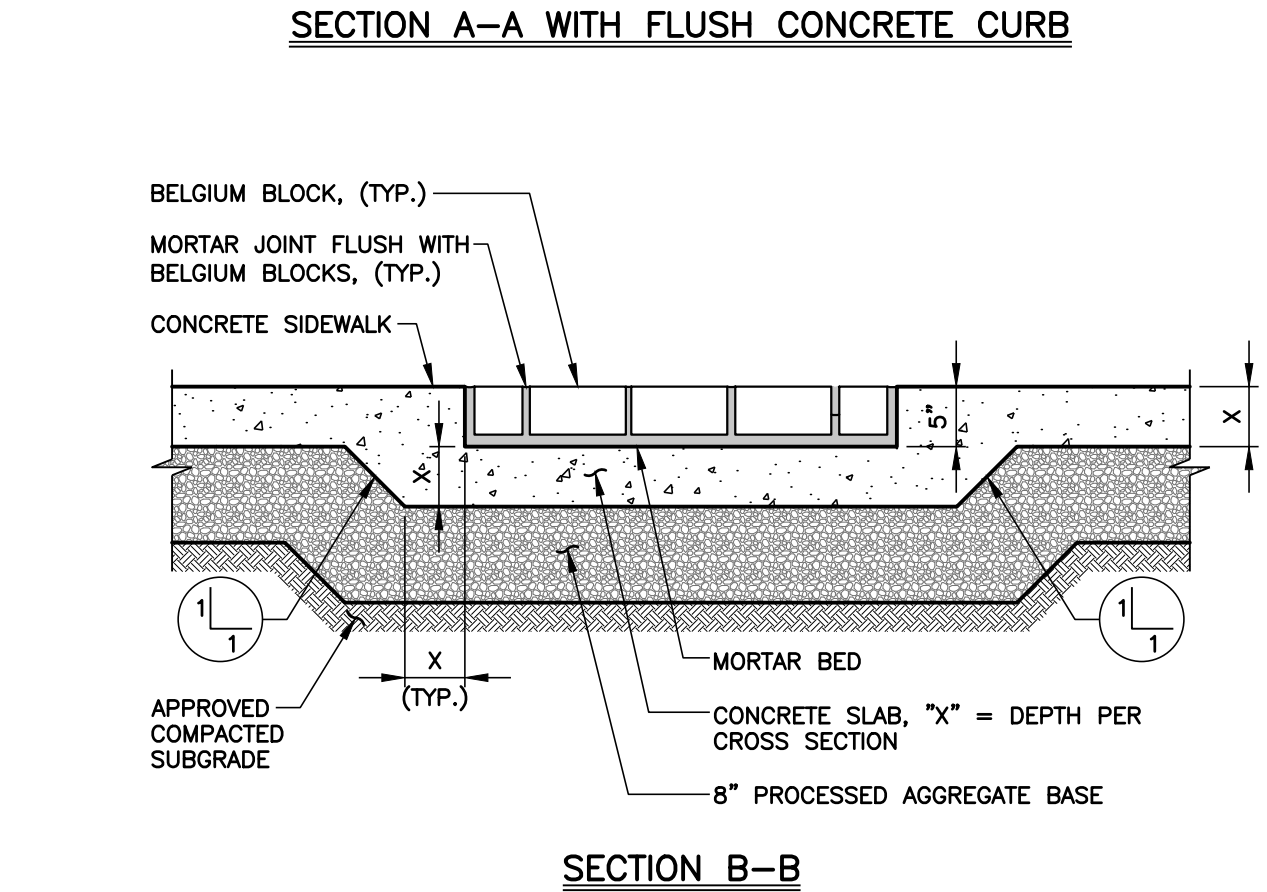
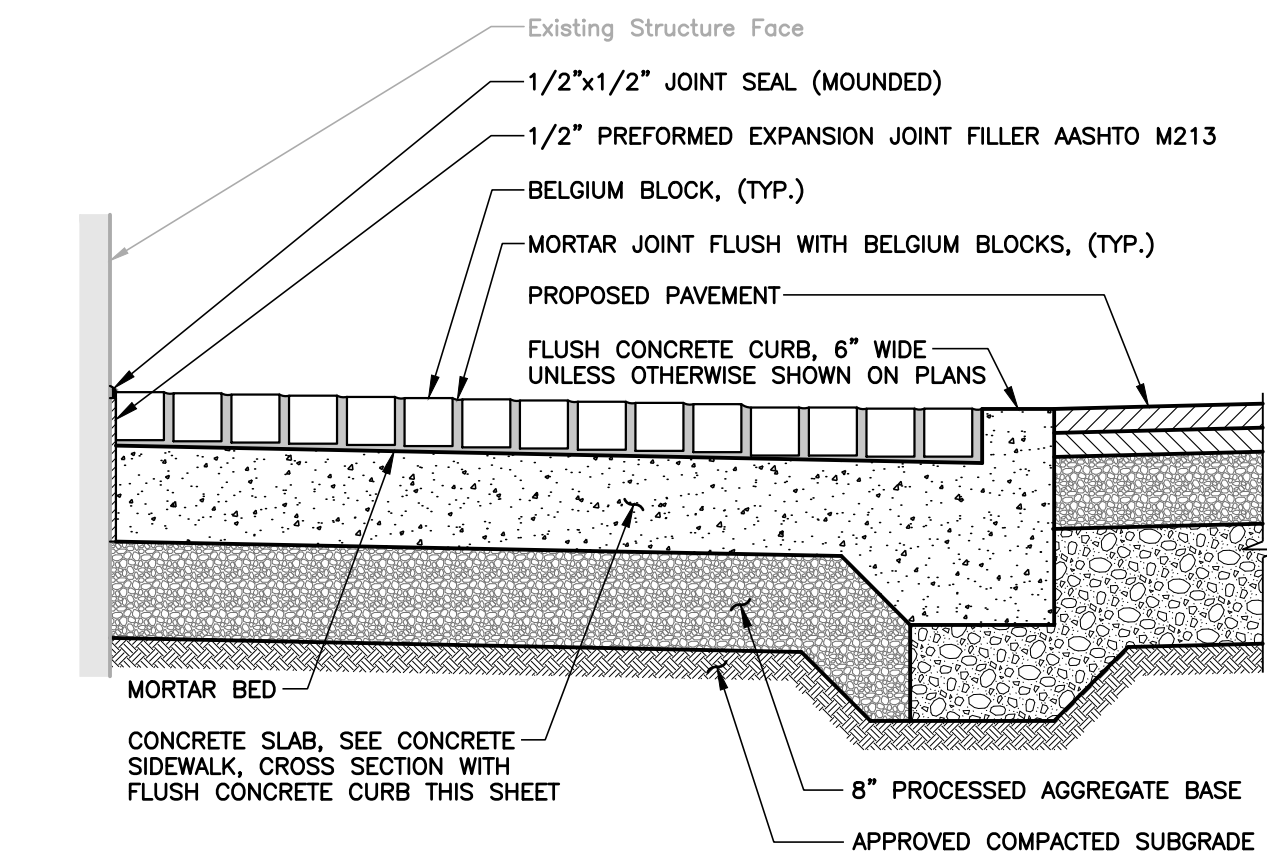
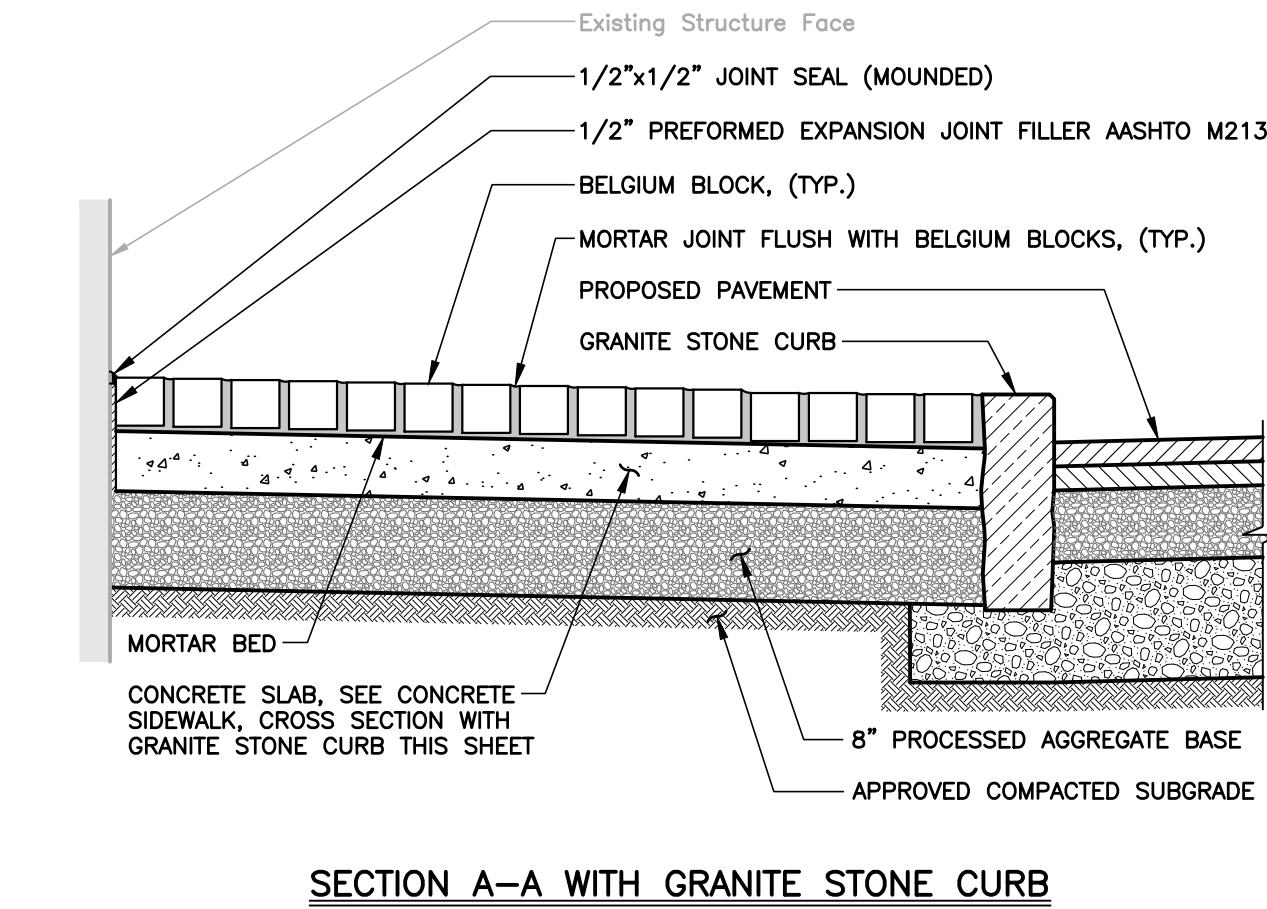
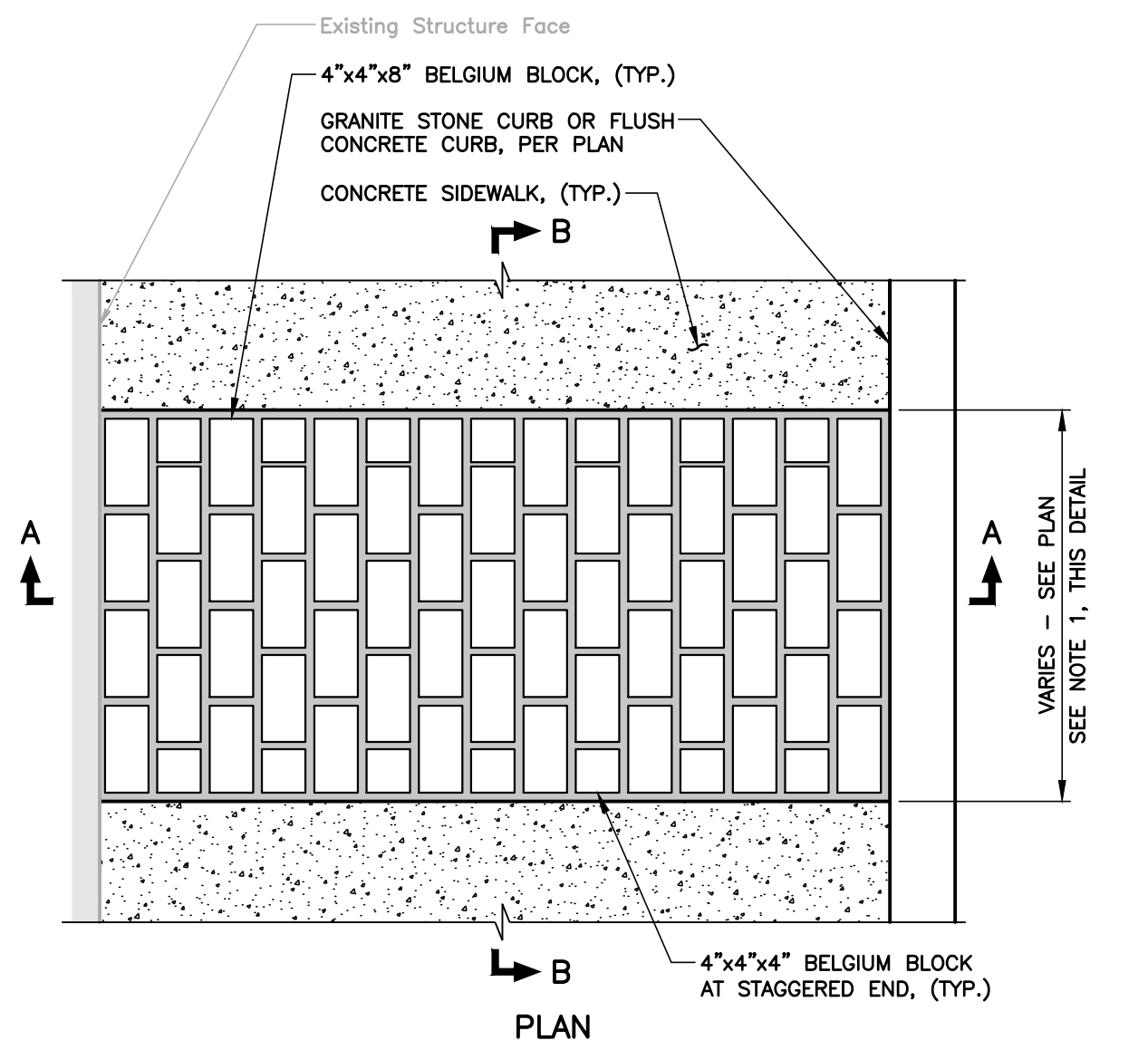




- NOTES:
1. SEE LAYOUT DRAWINGS FOR TREE GRATE LOCATIONS.
  2. SEE LANDSCAPE DRAWINGS FOR TREE PLANTING, PLANTING AND ANCHOR DETAILS.



- NOTES:
1. SEE LAYOUT DRAWINGS FOR BELGIUM BLOCK BAND WIDTHS AND LOCATIONS.
  2. BELGIUM BLOCKS SHALL BE STANDARD "SALT AND PEPPER" GRAY TUMBLED BLOCKS.



NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

## TOWN OF CHESTER, CONNECTICUT MAIN STREET IMPROVEMENTS PHASE 3

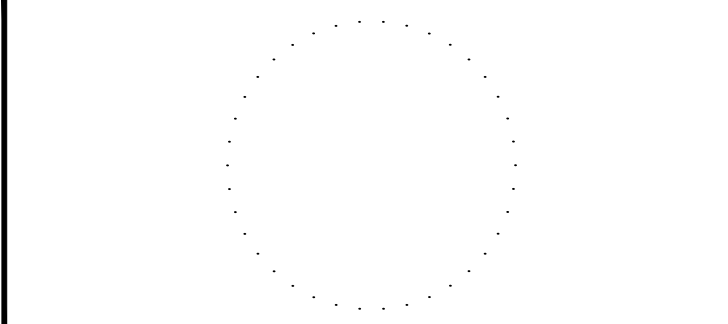
## SIDEWALK DETAILS

## CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL



AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

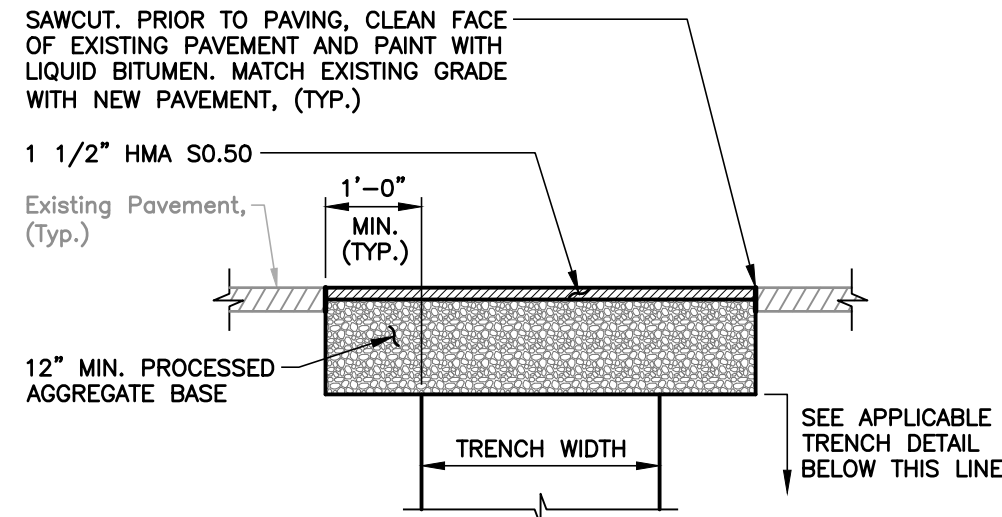
REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.:
SCALE: AS NOTED	
PROJECT No.: 0100110	
CADD FILE: 0100110DT	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED: -	

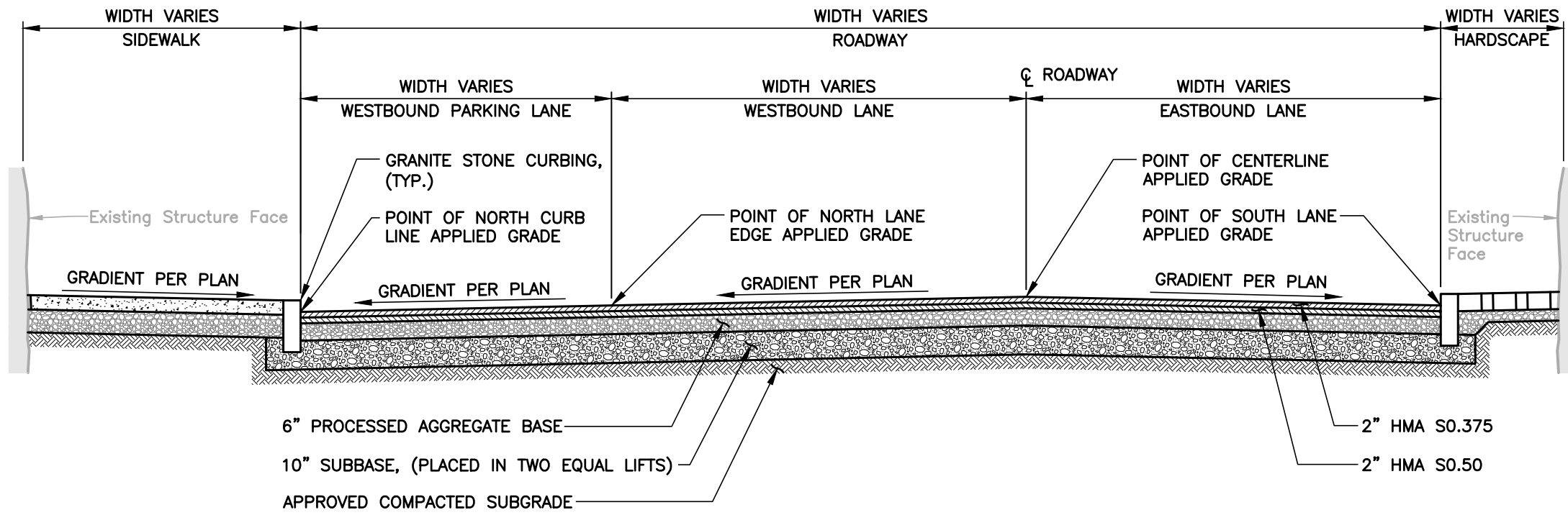
C9.5



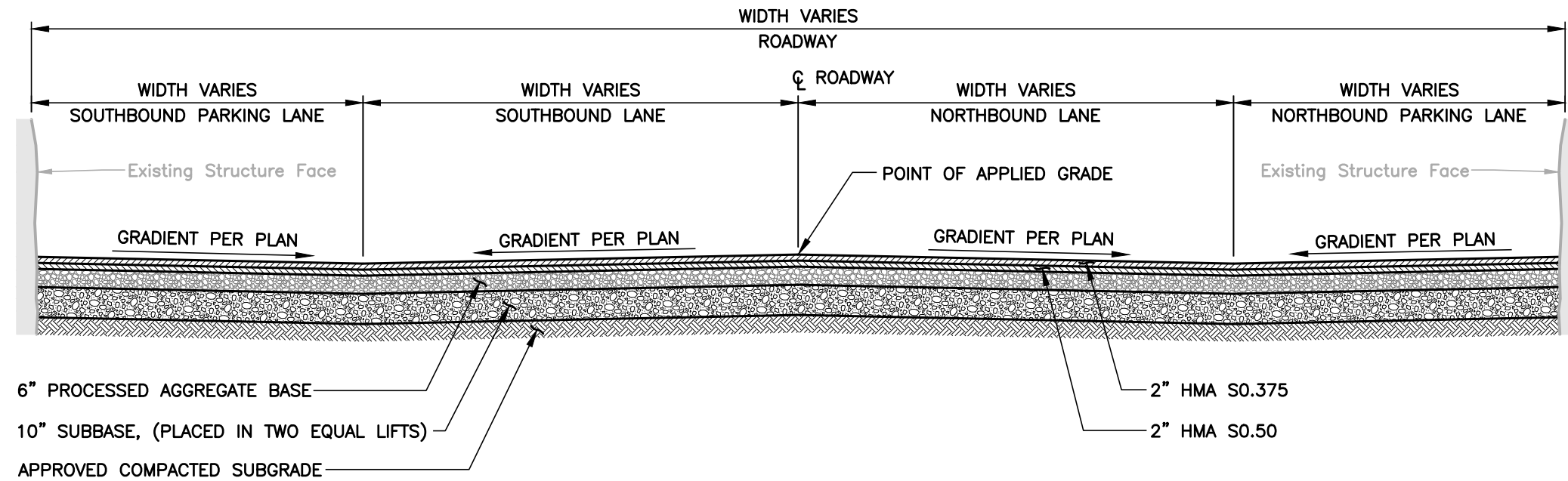
I:\Civil\3D\001\00110\_Production Drawings\CD\001\00110D.T.dwg, Rdwy, 9/20/2019 1:47:10 PM, AutoCAD PDF (General Documentation) pc3, 1:1



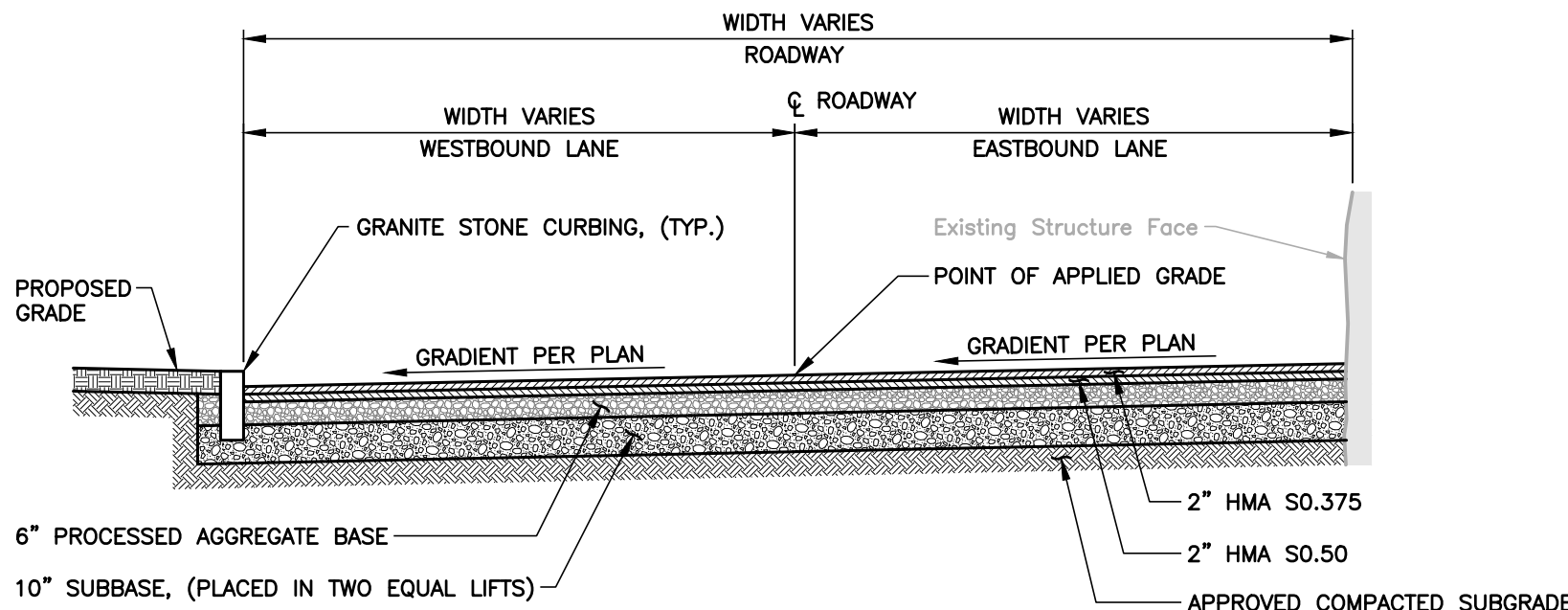
TEMPORARY PAVEMENT REPAIR  
N.T.S.



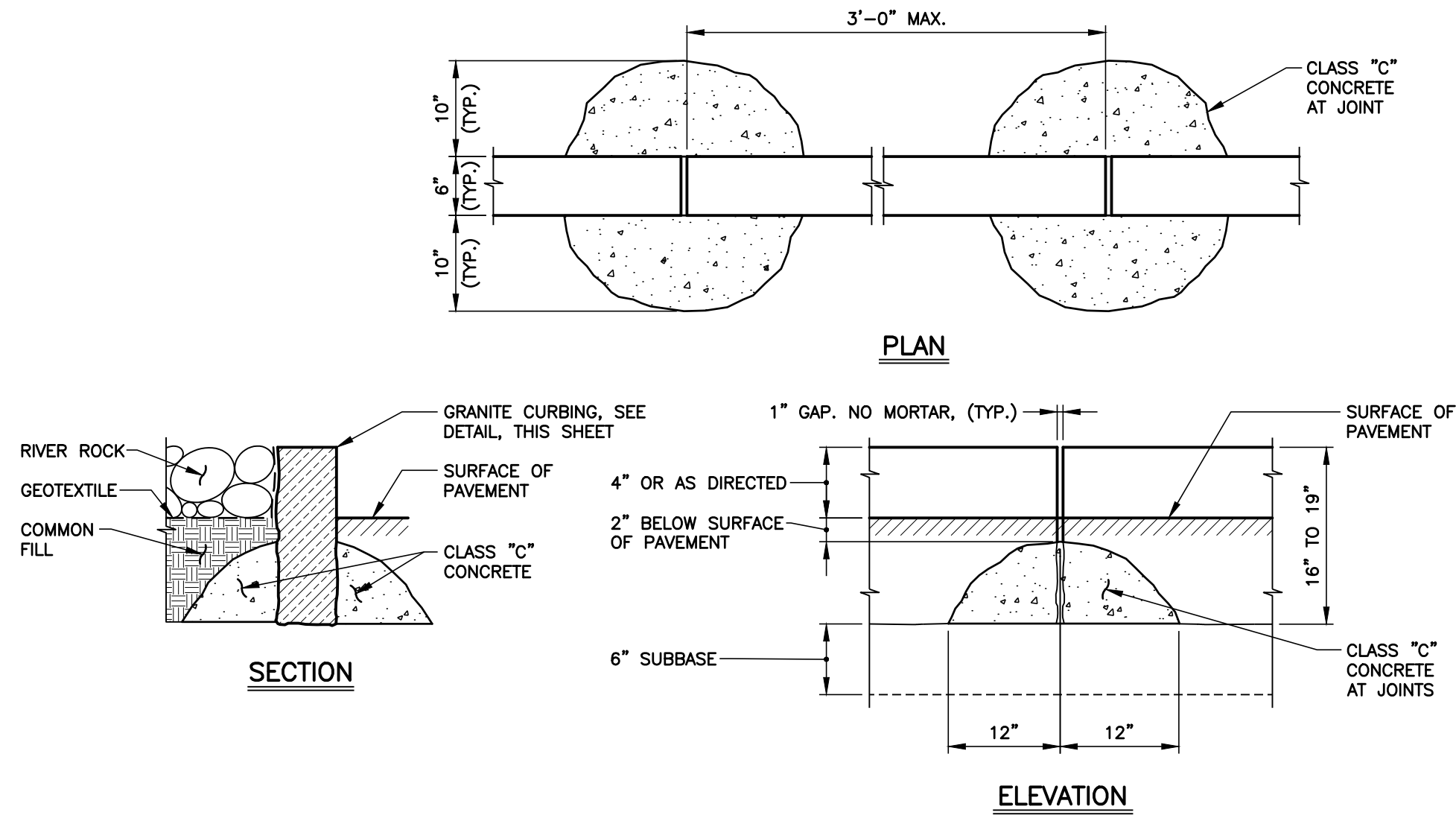
TYPICAL SECTION  
MAIN STREET  
SCALE: 1/4"=1'-0"



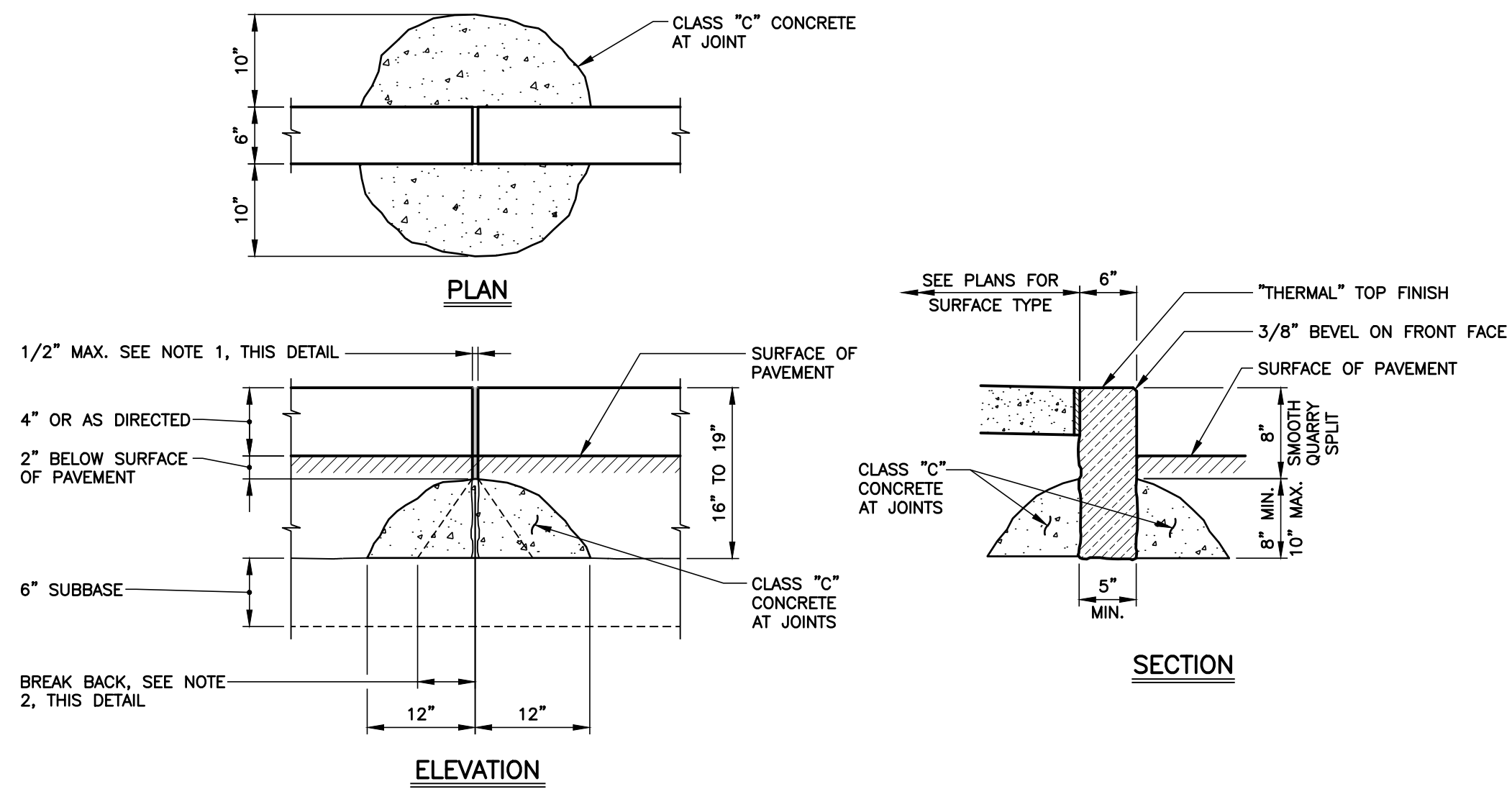
TYPICAL SECTION  
MAPLE STREET  
SCALE: 1/4"=1'-0"



TYPICAL SECTION  
SPRING STREET  
SCALE: 1/4"=1'-0"

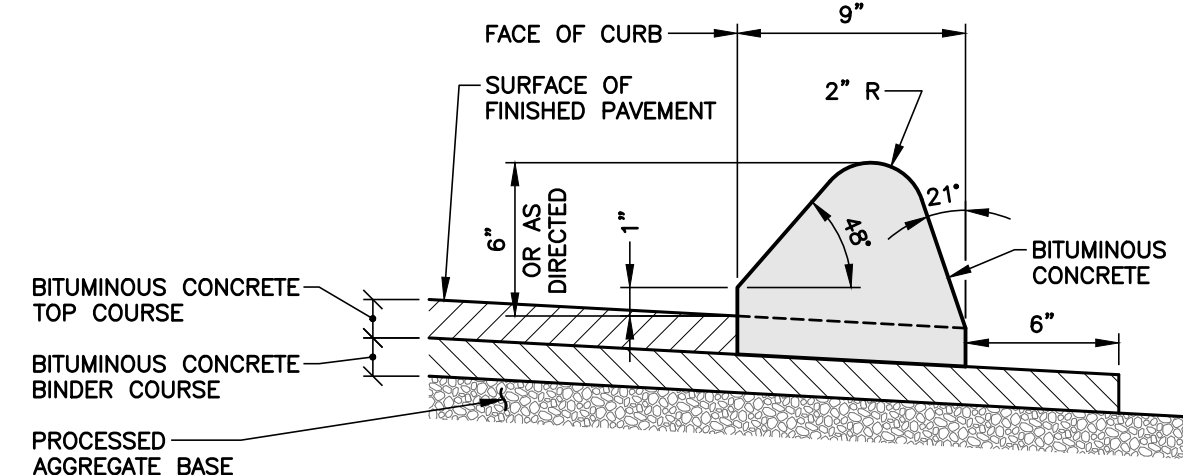


GAP GRANITE STONE CURBING  
N.T.S.

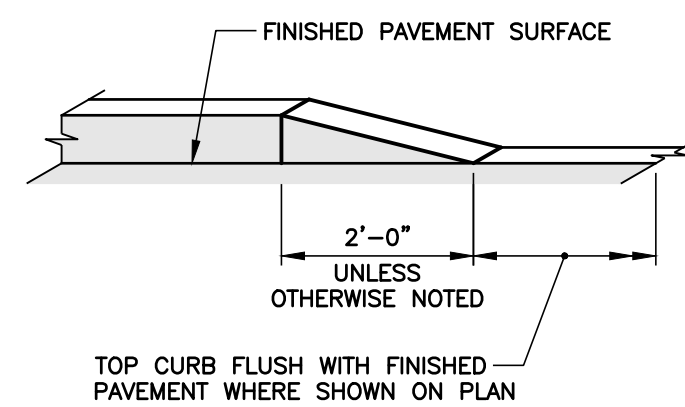


GRANITE STONE CURBING  
N.T.S.

- NOTES:
- FILL JOINT WITH MORTAR TO FULL DEPTH OF CURB, EXCLUDE MORTAR JOINTS AT 50' INTERVALS TO ALLOW FOR EXPANSION.
  - MAXIMUM ALLOWABLE BREAK BACK DISTANCE IS 9" FOR CURB LENGTHS OF 6' OR MORE AND 6" FOR CURB LENGTHS LESS THAN 6'.



BITUMINOUS CONCRETE CURBING  
N.T.S.



CURB KNIFE EDGE  
N.T.S.

- NOTES:
- SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

TOWN OF  
CHESTER, CONNECTICUT  
MAIN STREET  
IMPROVEMENTS  
PHASE 3

ROADWAY DETAILS

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: AS NOTED  
PROJECT No.: 00100110  
CADD FILE: 0100110DT  
DESIGNED: ALM  
DRAWN: AJG  
CHECKED: -

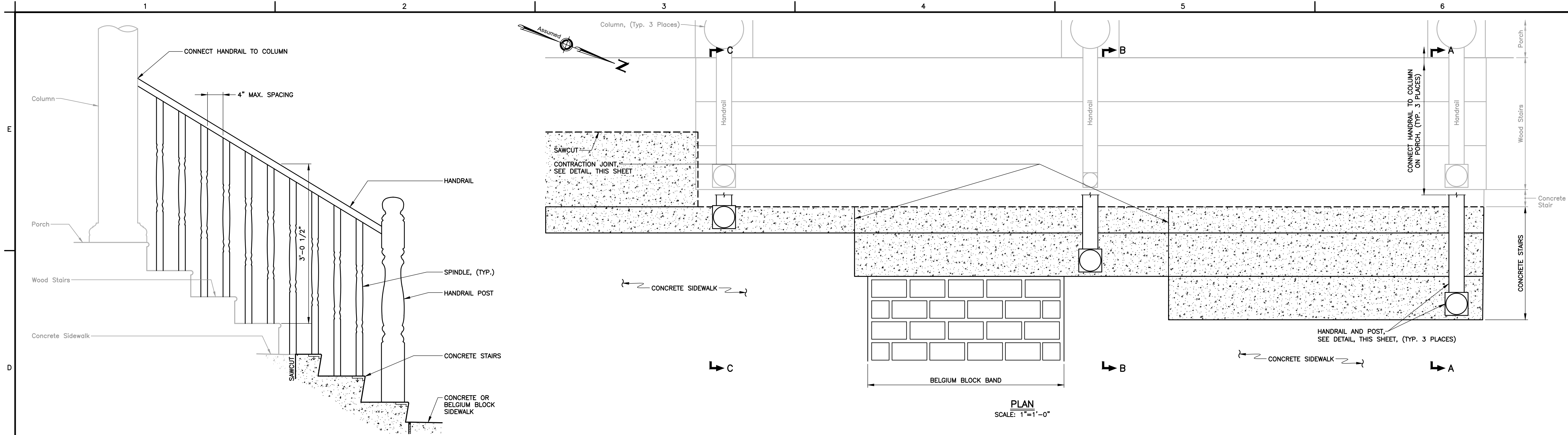
SHEET No.:  
**C9.6**





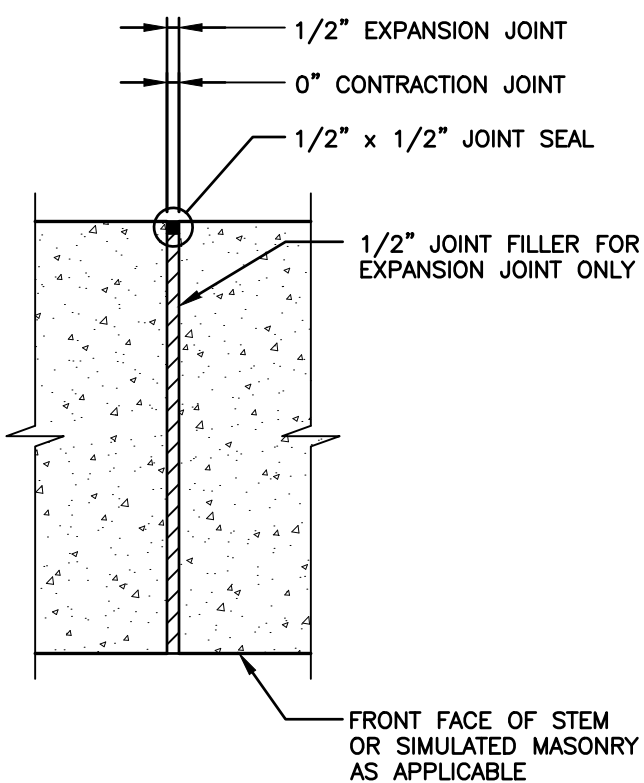


I:\Civil\3D\001001100\_Production Drawings\CD\001001100T\_1.dwg, French Hen Stairs, 9/20/2019 1:47:25 PM, AutoCAD PDF (General Documentation) p3, 1:1



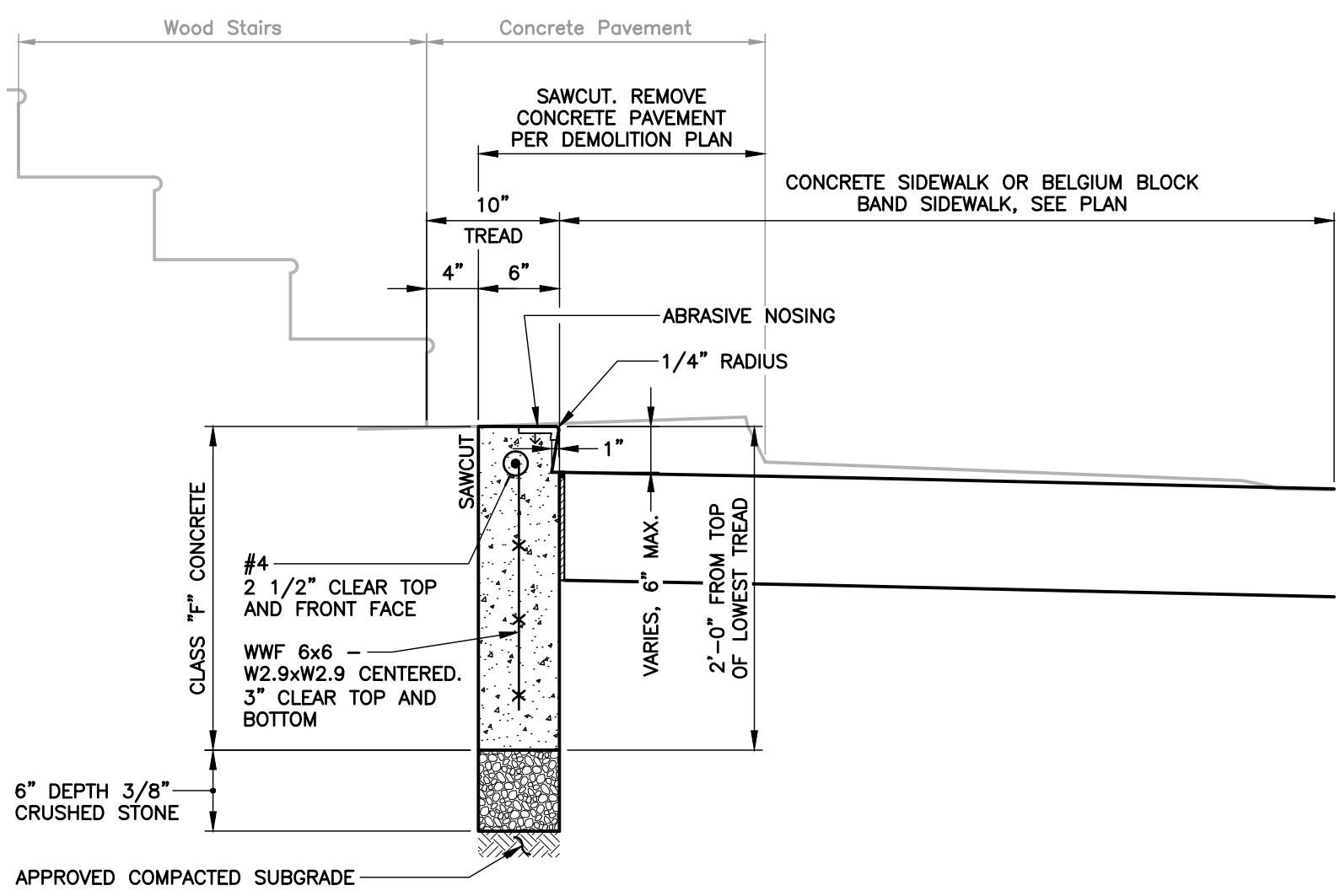
**HANDRAIL**  
SCALE: 1"=1'-0"

- NOTES:
1. EXISTING HANDRAIL, POSTS AND SPINDLES NOT SHOWN FOR CLARITY. EXISTING HANDRAIL, POSTS AND SPINDLES TO BE REMOVED TO EXISTING COLUMNS, (TYP. 3 PLACES).

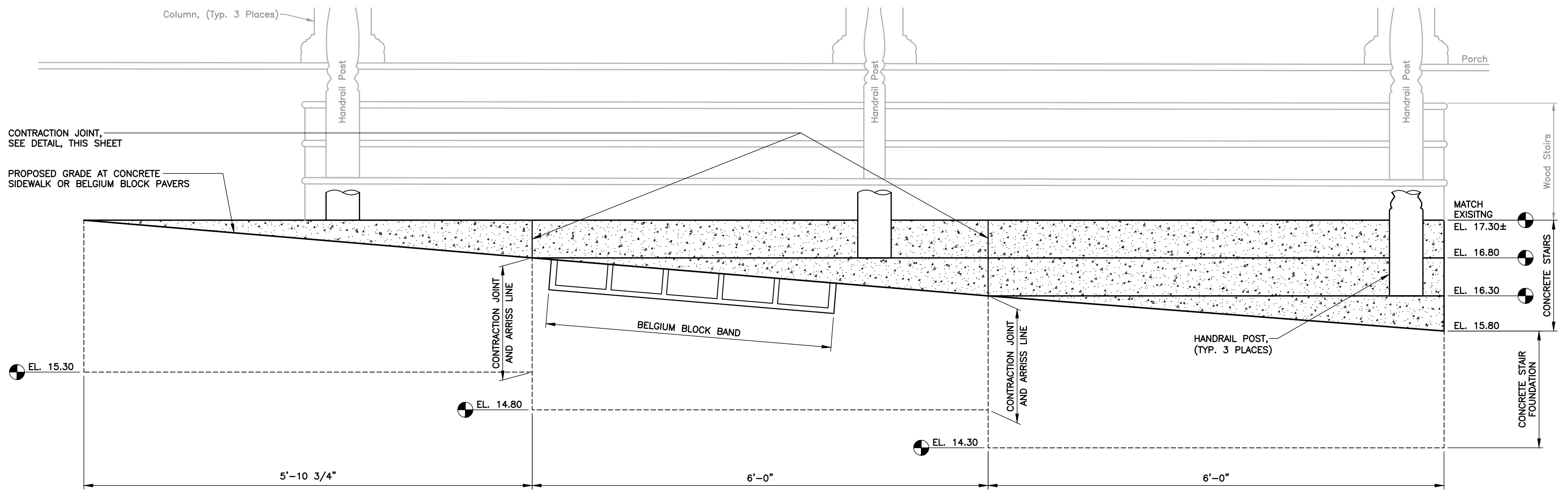


**CONTRACTION JOINT DETAIL**  
N.T.S.

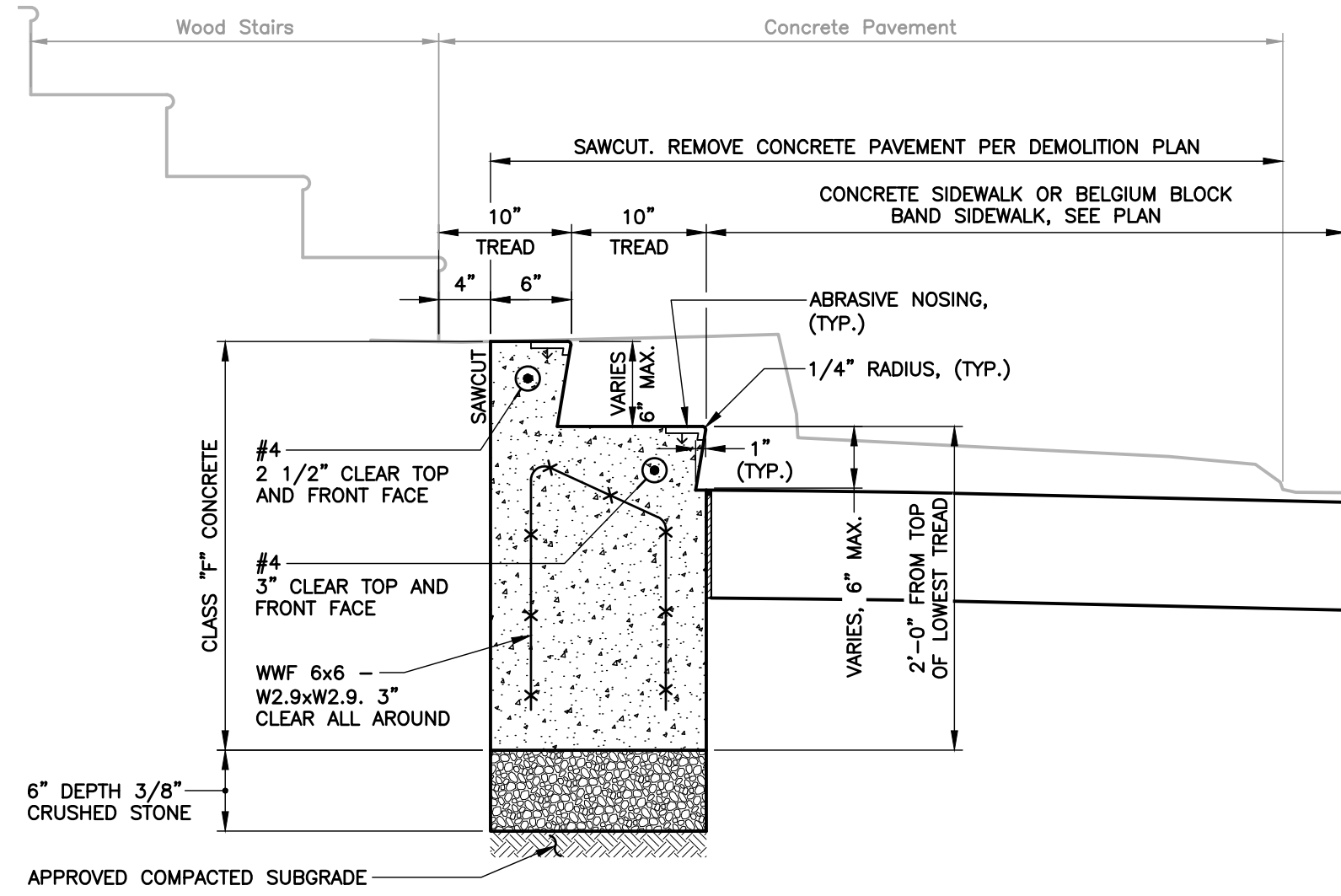
- NOTES:
1. JOINT SEAL TO EXTEND FROM TOP OF FOOTING TO TOP OF CAP, AND HORIZONTALLY ALONG TOP OF CAP TO FRONT FACE.
  2. NO REINFORCEMENT SHALL PASS THROUGH EXPANSION OR CONTRACTION JOINTS.
  3. REINFORCEMENT SHALL PASS THROUGH CONSTRUCTION JOINTS.



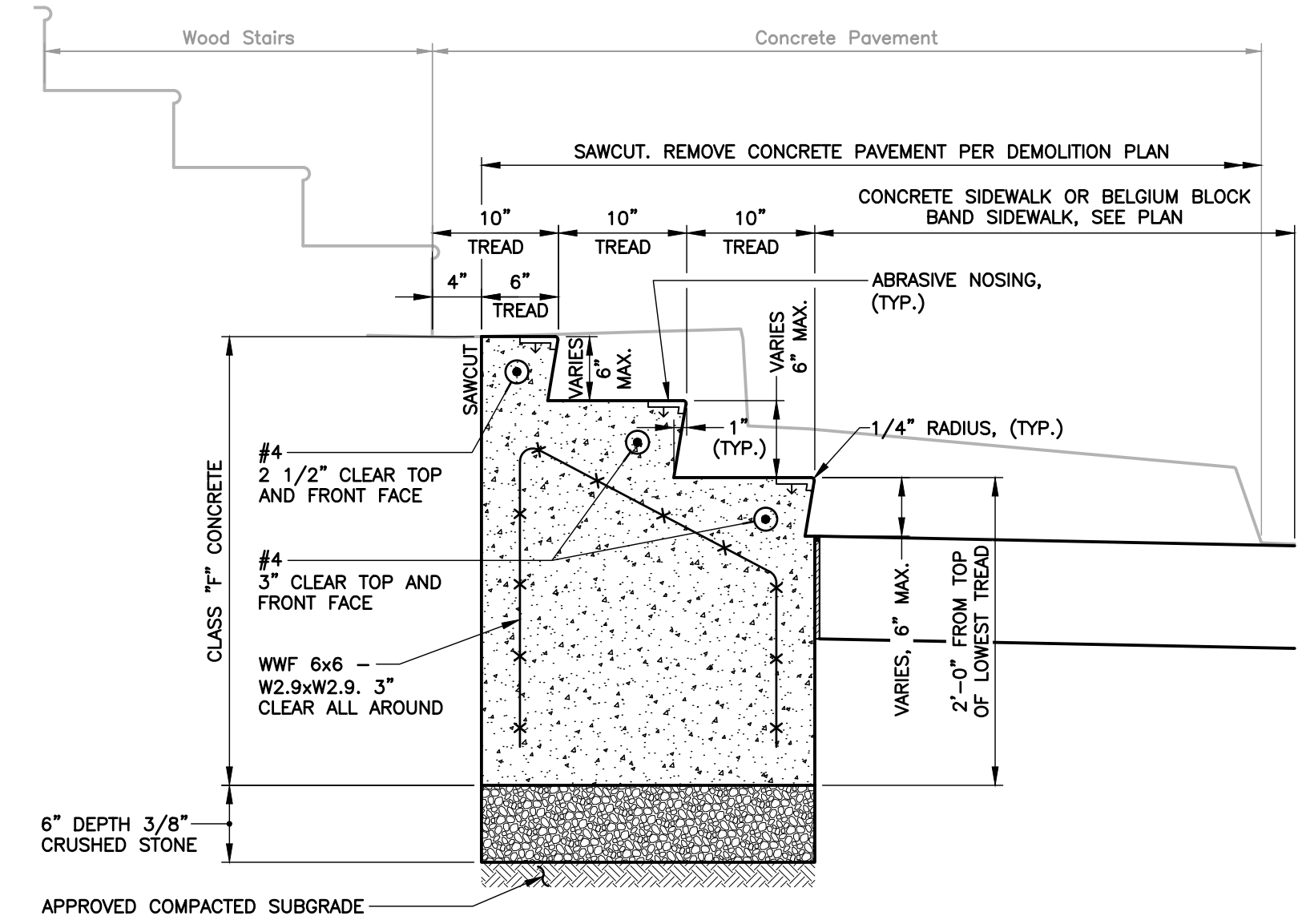
**SECTION C-C**  
SCALE: 1"=1'-0"



**ELEVATION**  
SCALE: 1"=1'-0"



**SECTION B-B**  
SCALE: 1"=1'-0"



**SECTION A-A**  
SCALE: 1"=1'-0"

NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

FRENCH HEN  
STAIR DETAILS

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

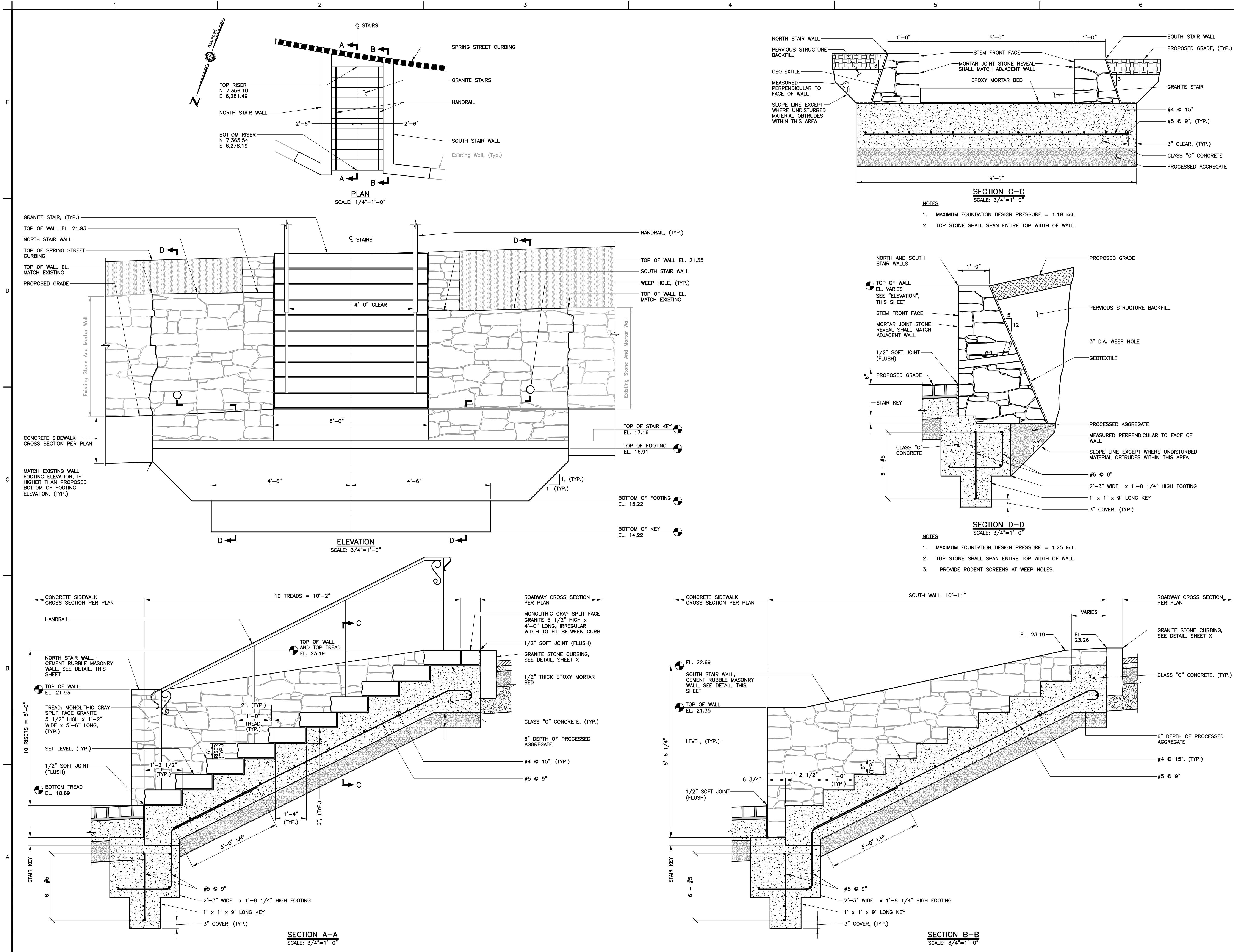
REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: AS NOTED  
PROJECT No.: 00100110  
CADD FILE: 01001100T\_1  
DESIGNED: ALM  
DRAWN: AJG  
CHECKED: -

SHEET No.:  
**C10.0**



I:\Civil\3D\00100110\_Production Drawings\CD\00100110DT\_1.dwg Chester Wall Stairs, 9/20/2019 1:47:30 PM.  
AutoCAD PDF (General Documentation) pc3, 1:1



NOTES:  
1. SEE SHEET C10 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

CHESTER WALL  
STAIR DETAILS

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

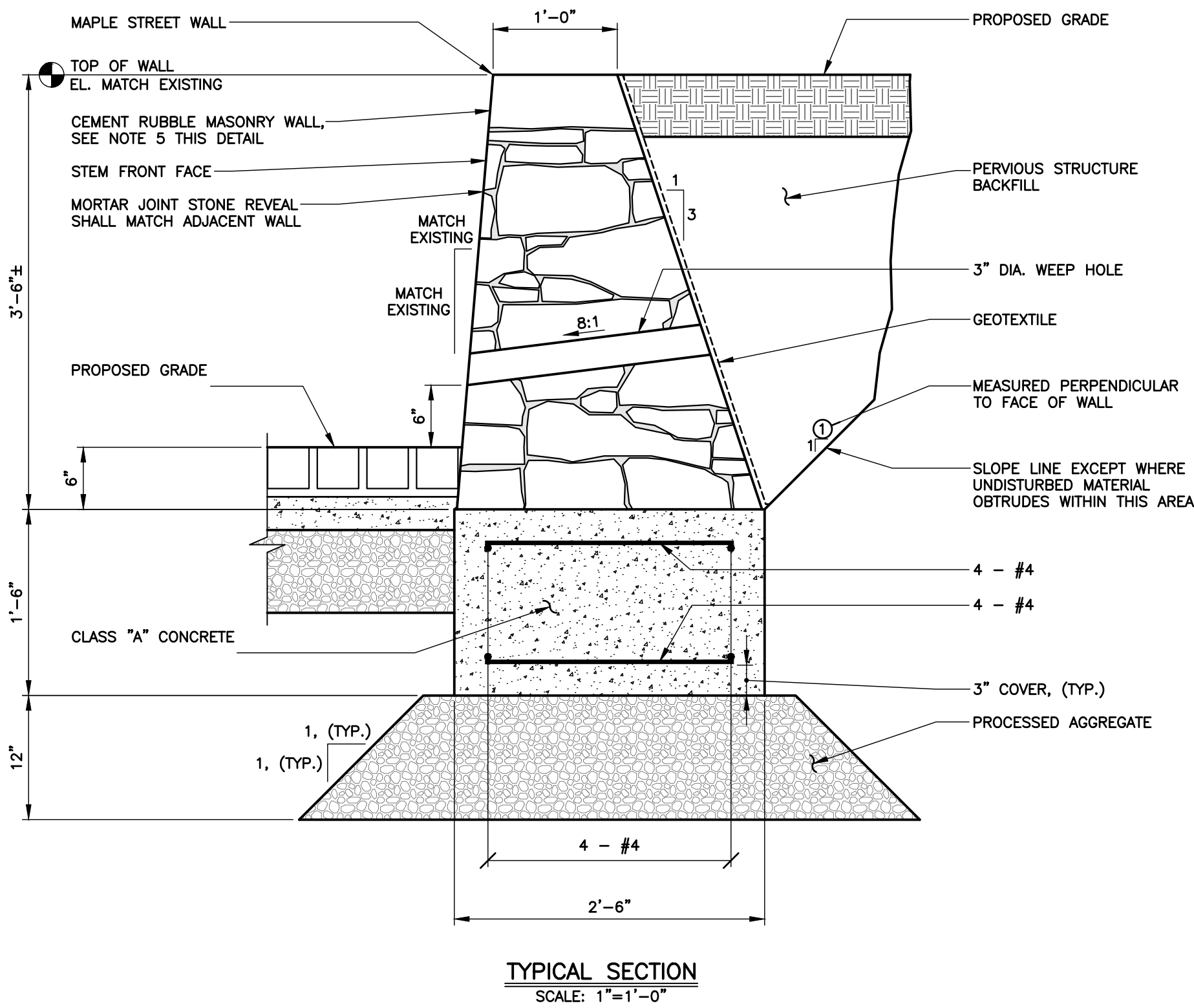
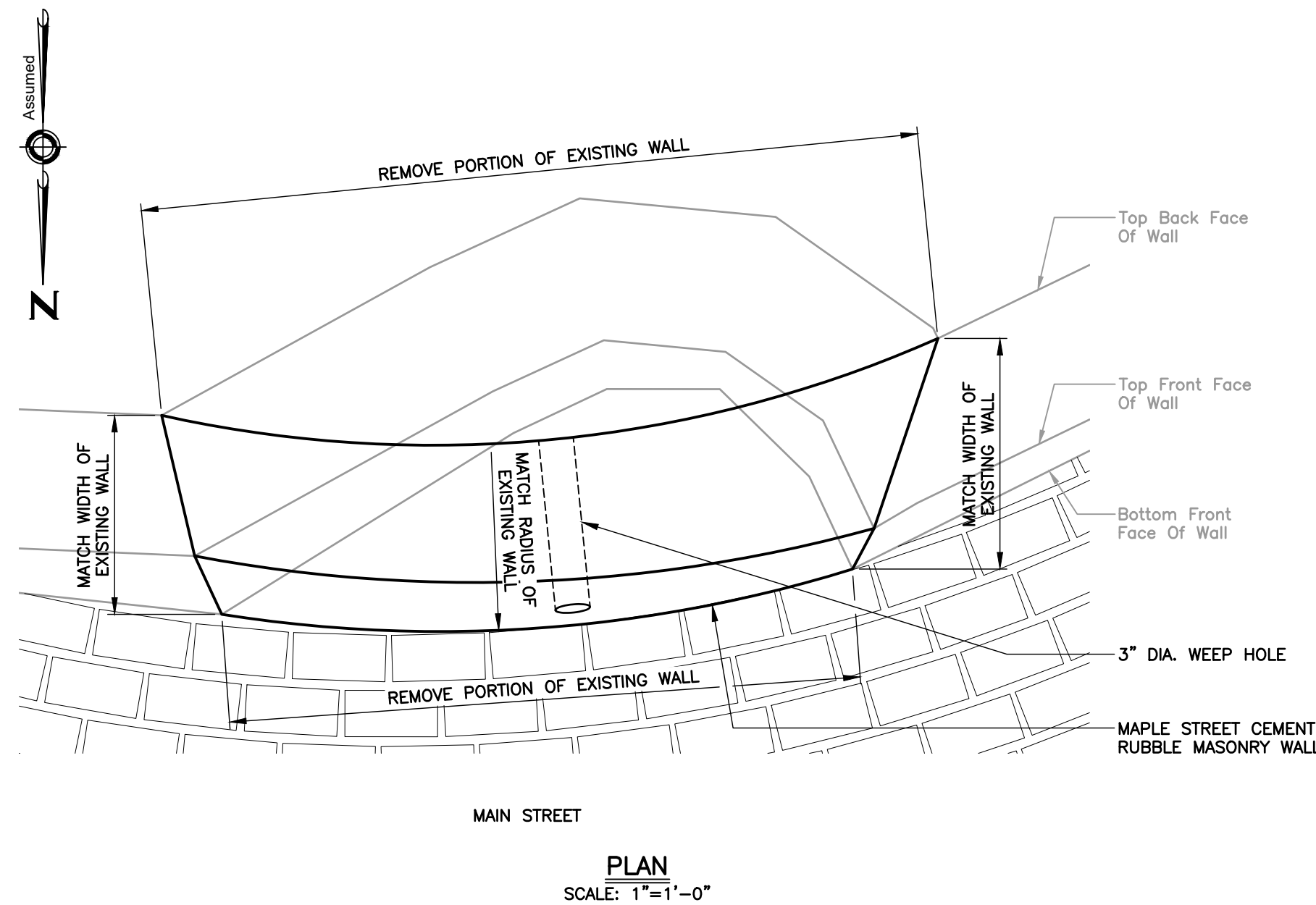
REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019  
SCALE: AS NOTED  
PROJECT No.: 00100110  
CADD FILE: 0100110DT\_1  
DESIGNED: ALM  
DRAWN: A/JG  
CHECKED: -

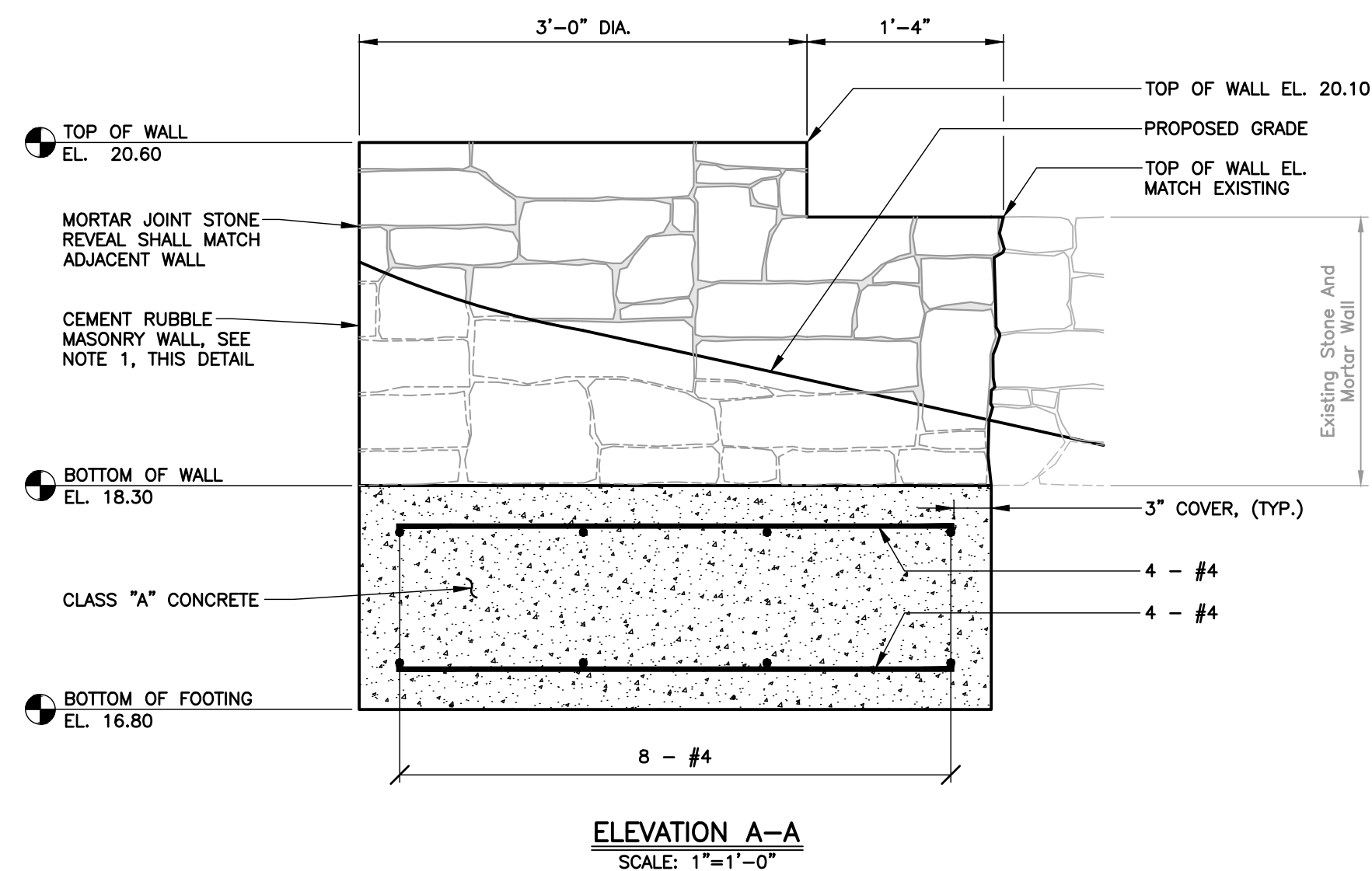
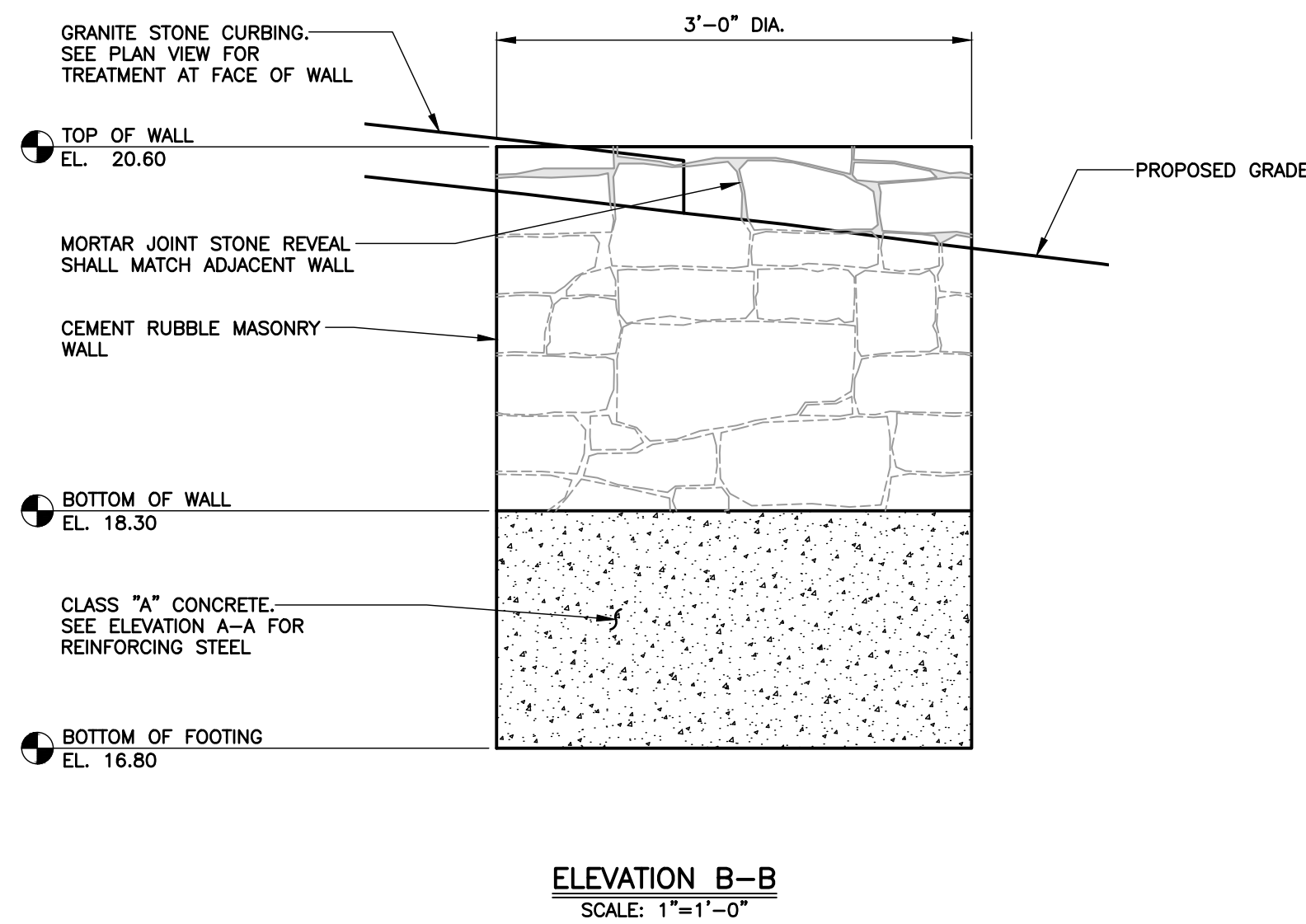
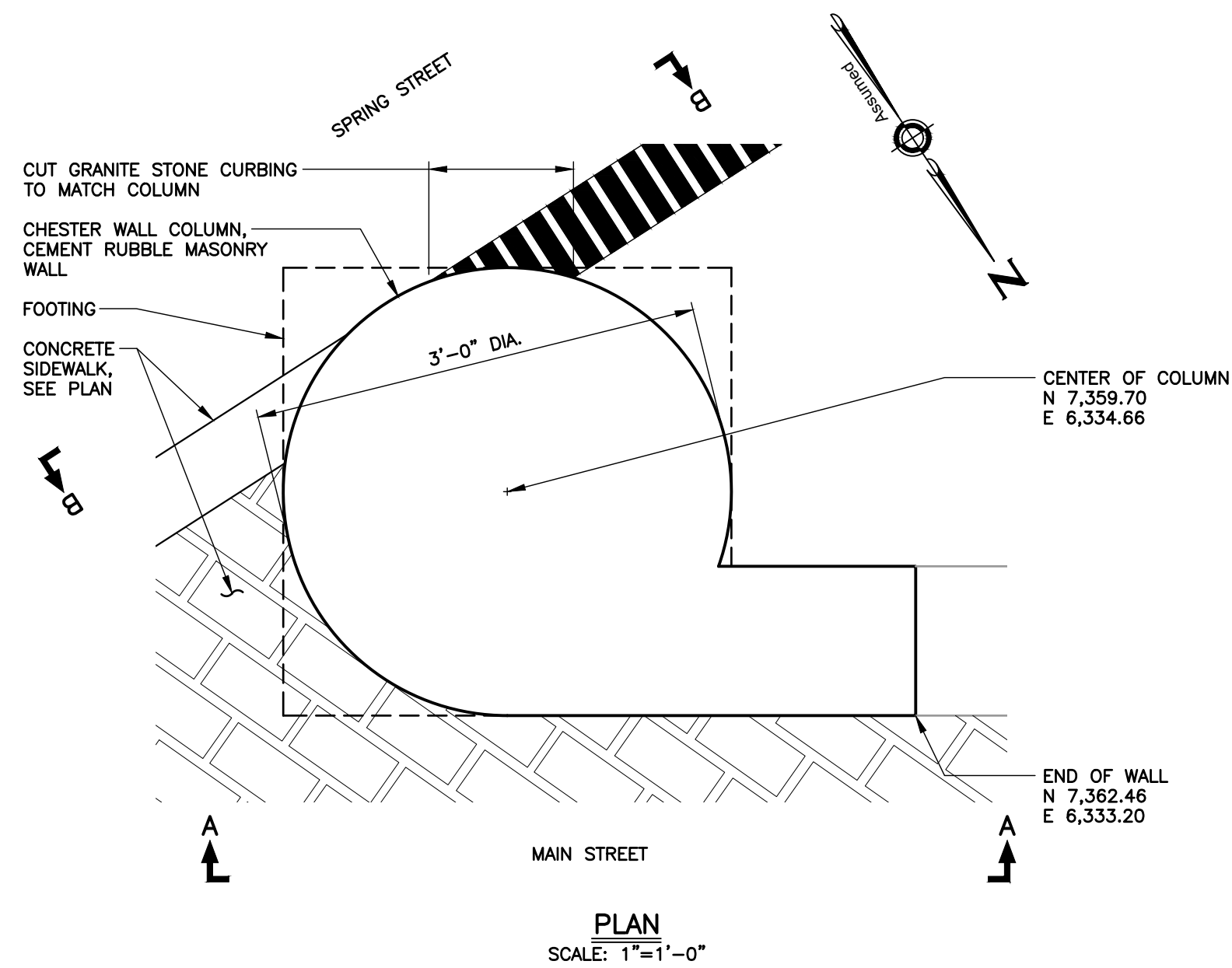
SHEET No.:  
**C10.1**



I:\Civil\3D\001\00110\_Production Drawings\CD\00100110DT\_1.dwg, Chst-Mpl Walls, 9/20/2019 1:47:35 PM, AutoCAD PDF (General Documentation) p3, 1:1



- NOTES:
1. MAXIMUM FOUNDATION DESIGN PRESSURE = 1.02 ksf.
  2. FRONT FACE STONE SHALL BE SIMILAR TO ADJOINING EXISTING WALL IN SHAPE, COLOR AND SIZE.
  3. TOP STONE SHALL SPAN ENTIRE WIDTH OF WALL.
  4. PROVIDE RODENT SCREEN ON WEEP HOLE.
  5. USE STONE OBTAINED FROM REMOVED PORTION OF EXISTING WALL FOR EXPOSED WALL FACES.



- NOTES:
1. USE STONE OBTAINED FROM REMOVED PORTION OF EXISTING WALL FOR EXPOSED WALL FACES.

- NOTES:
1. SEE SHEET C10.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

TOWN OF  
CHESTER, CONNECTICUT

## MAIN STREET IMPROVEMENTS PHASE 3

### CHESTER WALL COLUMN AND MAPLE STREET WALL DETAILS

#### CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

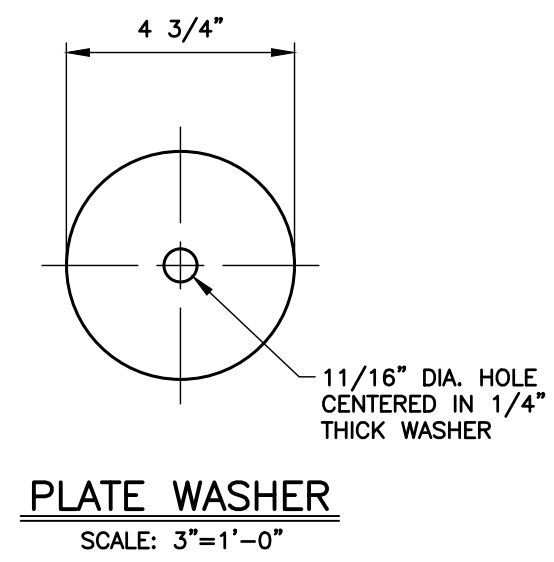
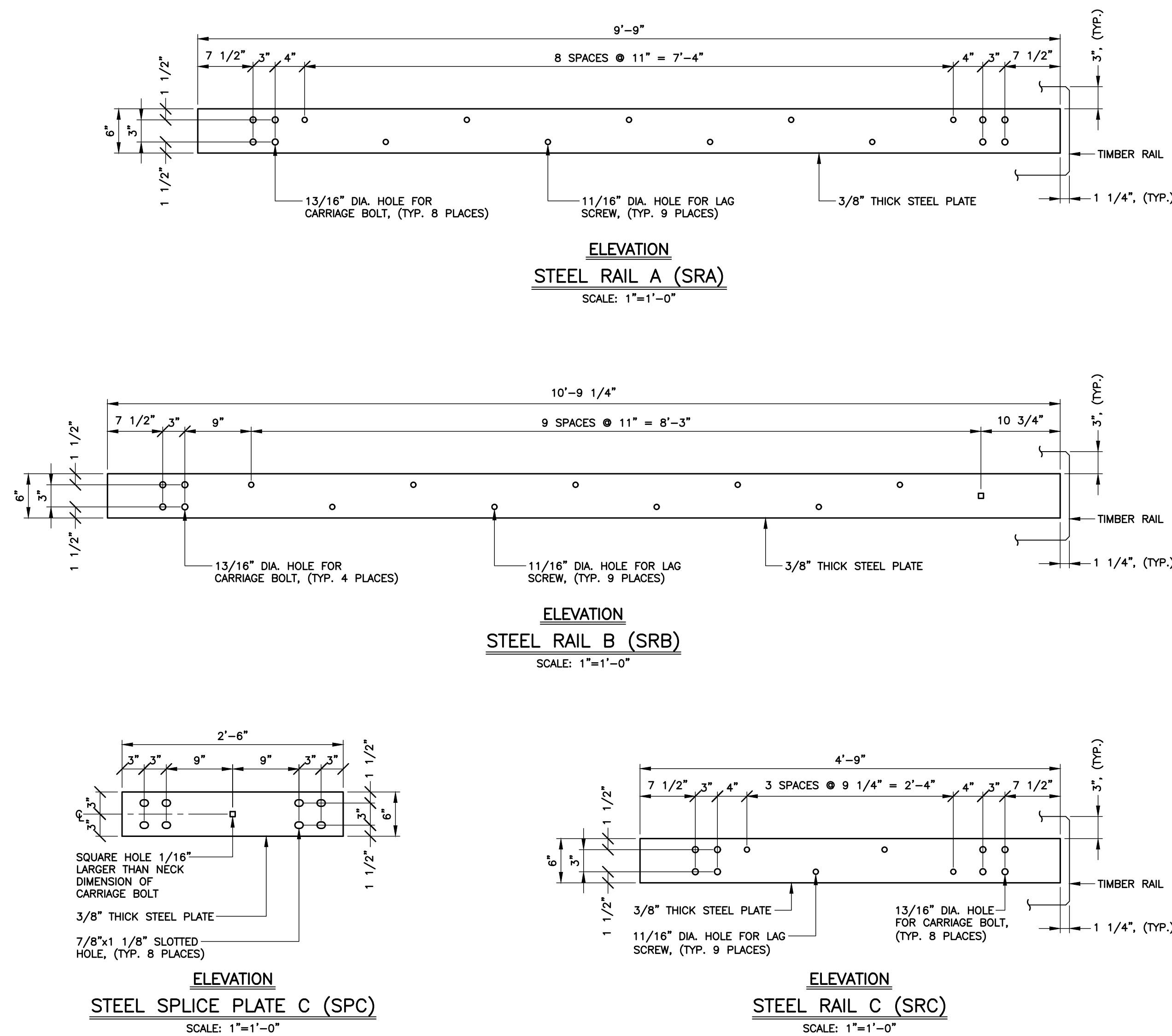
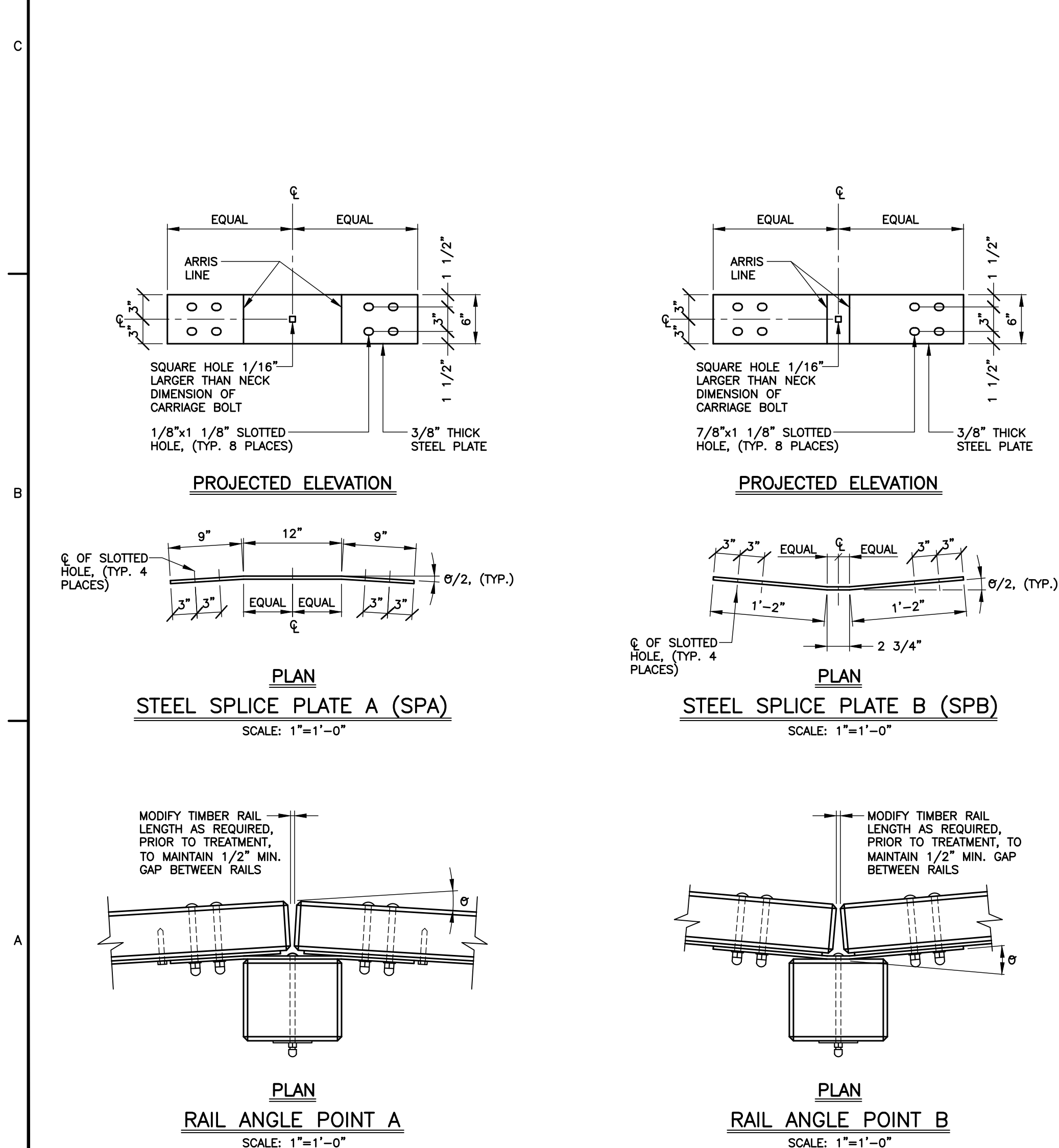
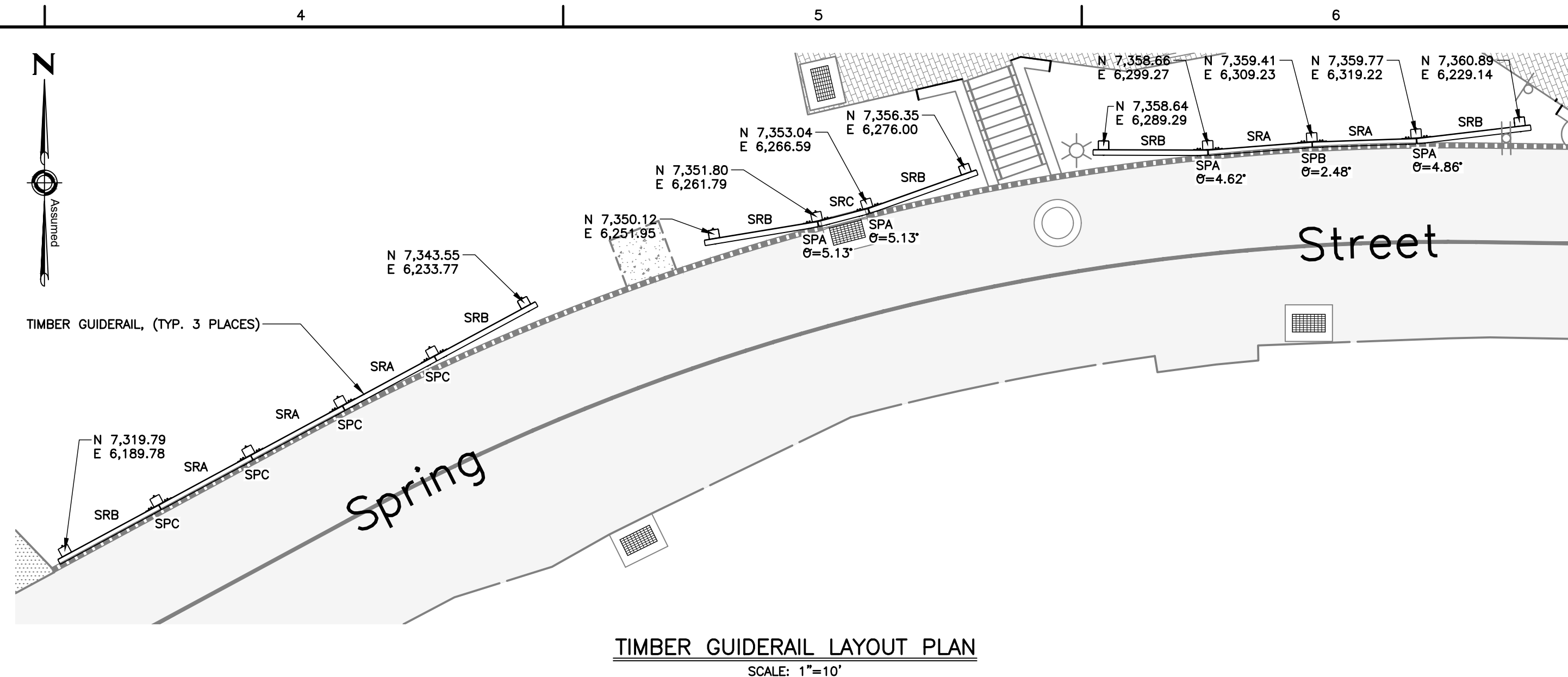
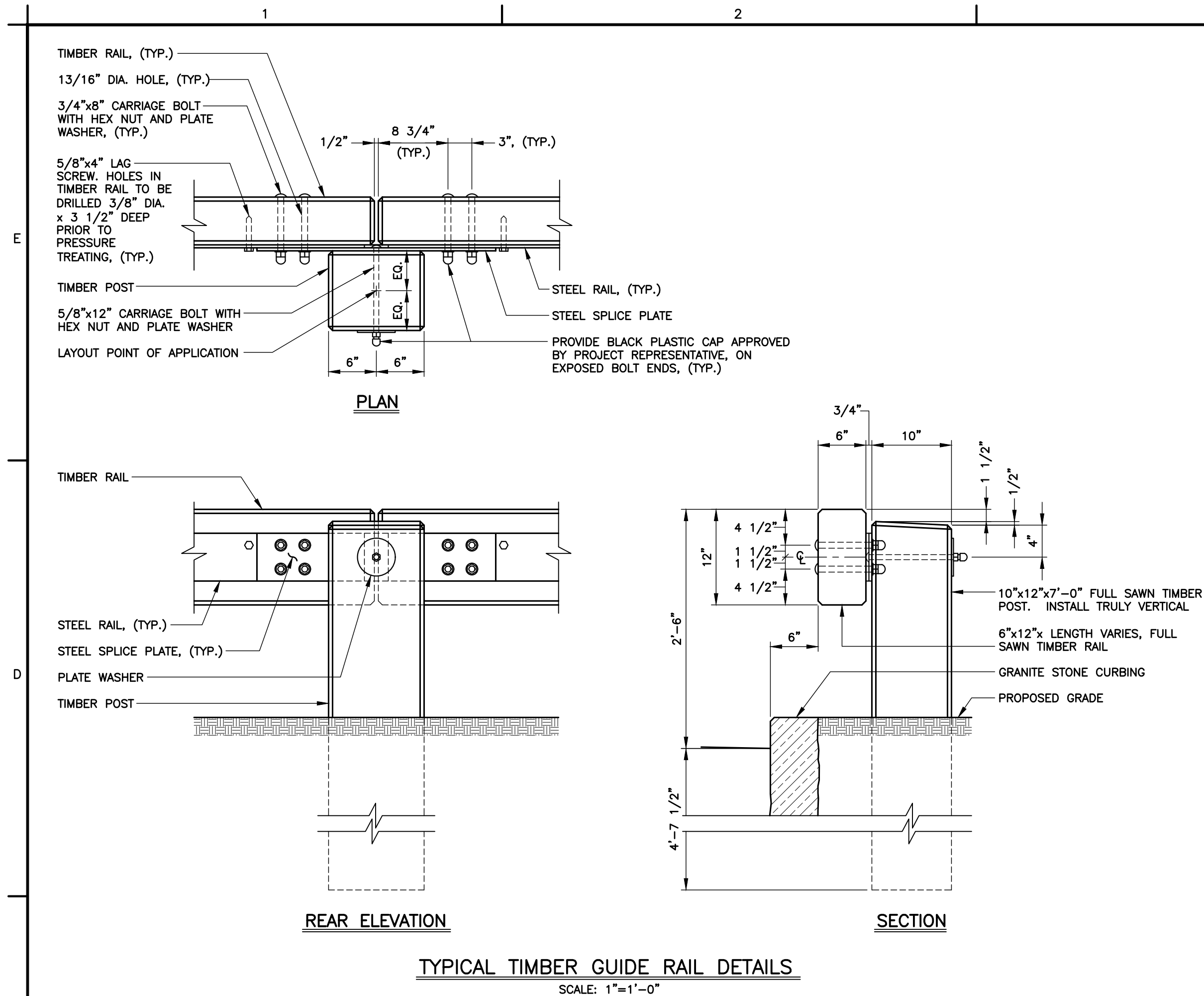
AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.:
SCALE: AS NOTED	C10.2
PROJECT No.: 00100110	
CADD FILE: 0100110DT_1	
DESIGNED: ALM	
DRAWN: AJG	
CHECKED: -	





NOTES:

1. SEE SHEET C1.0 FOR PROJECT NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.


TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

## TIMBER GUIDERAIL DETAILS

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS

 Nathan L. Jacobson & Associates, Inc.  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
[www.nlja.com](http://www.nlja.com)  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

[illegible]

DATE:	SEPTEMBER 2019	SHEET No.:
SCALE:	AS NOTED	
PROJECT No.:	00100110	
CADD FILE:	0100110DT_1	
DESIGNED:	ALM	C10.3
DRAWN:	AJG	
CHECKED:		



A	B	C	D	E
---	---	---	---	---



A

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC, INCLUDING FURNISHING ALL NECESSARY TRAFFIC CONTROL AND SAFETY SIGNS, DEVICES, FLAGMAN, ETC.
2. OBTAIN APPROVAL FROM TOWN AT LEAST FOURTEEN (14) DAYS IN ADVANCE OF AN ANTICIPATED ROADWAY CLOSURE.
3. FOR SIGN FACE MATERIAL DETAILS, SEE CTDOT STANDARD SHEET TR-1220\_01.
4. FOR SIGN INSTALLATION DETAILS, SEE CTDOT STANDARD SHEET TR-1220\_02 AND SHEET TR-1208\_02.
5. THE PLACEMENT OF SIGNS SHALL NOT OBSCURE ANY PRESENT SIGNING OR SIGHTLINES FROM DRIVEWAYS OR INTERSECTING ROUTES. COORDINATE EXACT PLACEMENT OF SIGNS WITH THE ENGINEER.
6. SIGNS SHALL BE PLACED ON THE SPECIFIC METAL SIGN POSTS. THEY SHALL NOT BE PLACED ON EXISTING POSTS, UTILITY POLES OR TREES.
7. LOCATION AND DISTANCE BETWEEN CONSTRUCTION SIGNS MAY BE REVISED BY THE ENGINEER TO MEET FIELD CONDITIONS.
8. EXISTING TRAFFIC SIGNS SHALL BE REMOVED OR COVERED WITH AN OPAQUE COVER IF IN CONFLICT WITH THE TEMPORARY CONSTRUCTION DETOUR PLAN.
9. THE "TEMPORARY CONSTRUCTION DETOUR PLAN" IS A MINIMUM GUIDELINE ONLY FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC. A SPECIFIC MAINTENANCE AND PROTECTION OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
10. THE CONTRACTOR SHALL OBTAIN A CTDOT DISTRICT 2 HIGHWAY ENCROACHMENT PERMIT PRIOR TO INSTALLATION OF TEMPORARY SIGNS IN STATE OF CONNECTICUT HIGHWAY RIGHT-OF-WAY.


GRAPHIC SCALE

500 400 300 200 100 0 500 1,000

SCALE: 1"=500'

# MAIN STREET IMPROVEMENTS PHASE 3

## CONTRACT DRAWINGS

 Nathan L. Jacobson & Associates, Inc.  
86 Main St. P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
[www.nlja.com](http://www.nlja.com)  
Consulting Civil and Environmental Engineers Since 1972

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

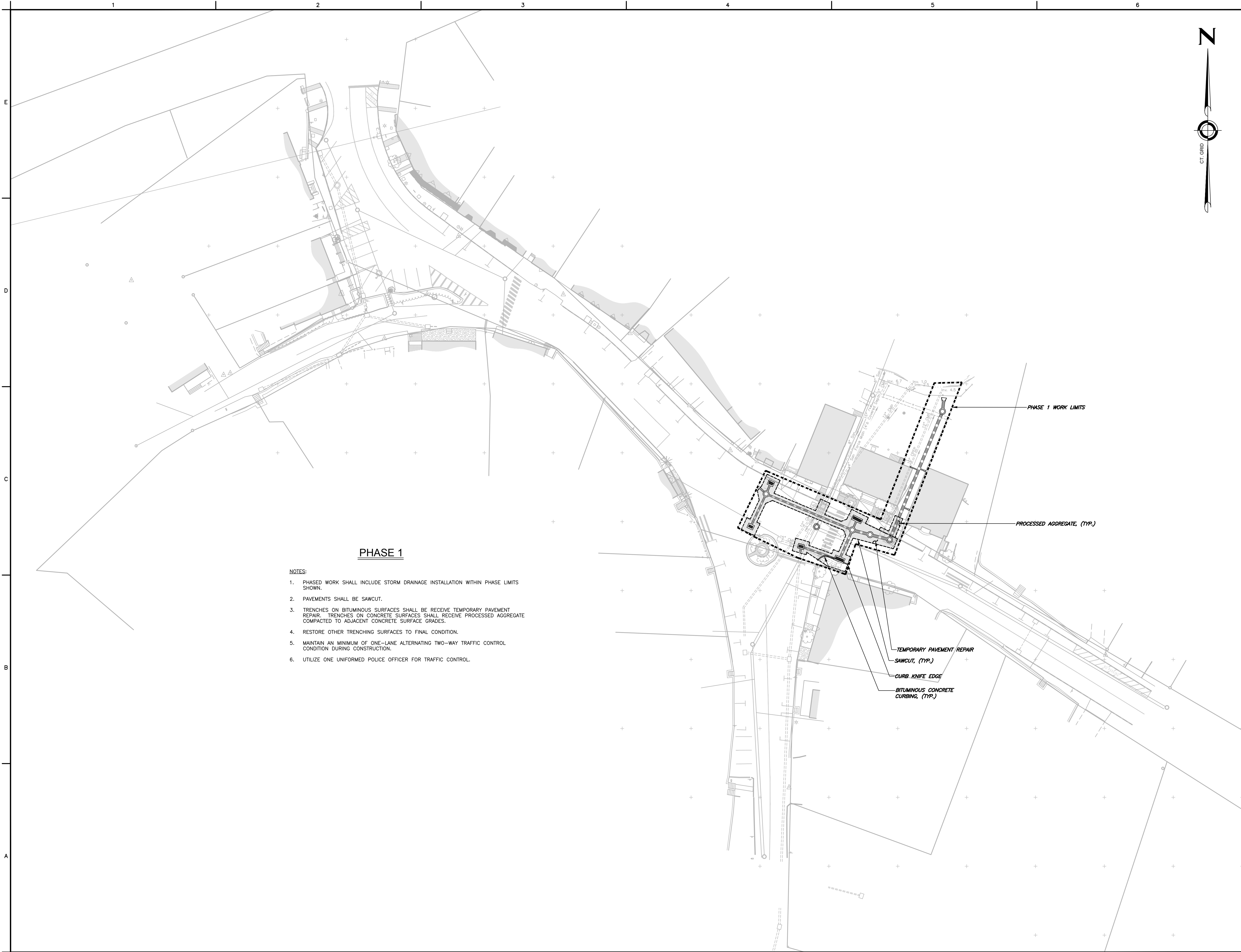
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

[illegible]

SHEET No.:

C11.0





**PHASE 1**

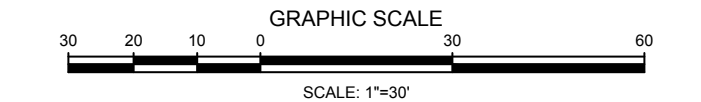
**NOTES:**

1. PHASED WORK SHALL INCLUDE STORM DRAINAGE INSTALLATION WITHIN PHASE LIMITS SHOWN.
2. PAVEMENTS SHALL BE SAWCUT.
3. TRENCHES ON BITUMINOUS SURFACES SHALL BE RECEIVE TEMPORARY PAVEMENT REPAIR. TRENCHES ON CONCRETE SURFACES SHALL RECEIVE PROCESSED AGGREGATE COMPACTED TO ADJACENT CONCRETE SURFACE GRADES.
4. RESTORE OTHER TRENCHING SURFACES TO FINAL CONDITION.
5. MAINTAIN AN MINIMUM OF ONE-LANE ALTERNATING TWO-WAY TRAFFIC CONTROL CONDITION DURING CONSTRUCTION.
6. UTILIZE ONE UNIFORMED POLICE OFFICER FOR TRAFFIC CONTROL.

**NOTES:**

1. SEE SHEET C11.0 FOR PROJECT NOTES.
2. SEE SHEET C11.0 FOR MAINTENANCE AND TRAFFIC CONTROL NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



**TOWN OF  
CHESTER, CONNECTICUT**

**MAIN STREET  
IMPROVEMENTS  
PHASE 3**

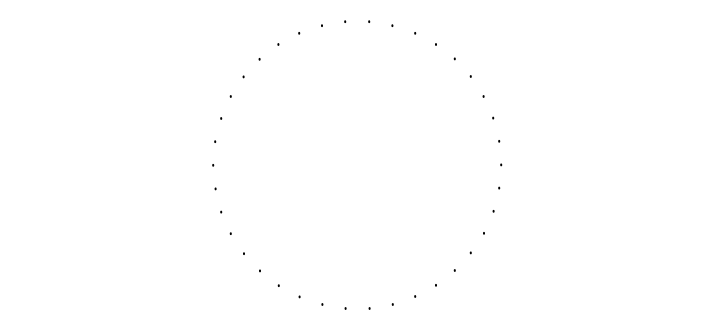
**TEMPORARY TRAFFIC  
CONTROL AND  
CONSTRUCTION PHASING  
PLAN**

**CONTRACT DRAWINGS**

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL



AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

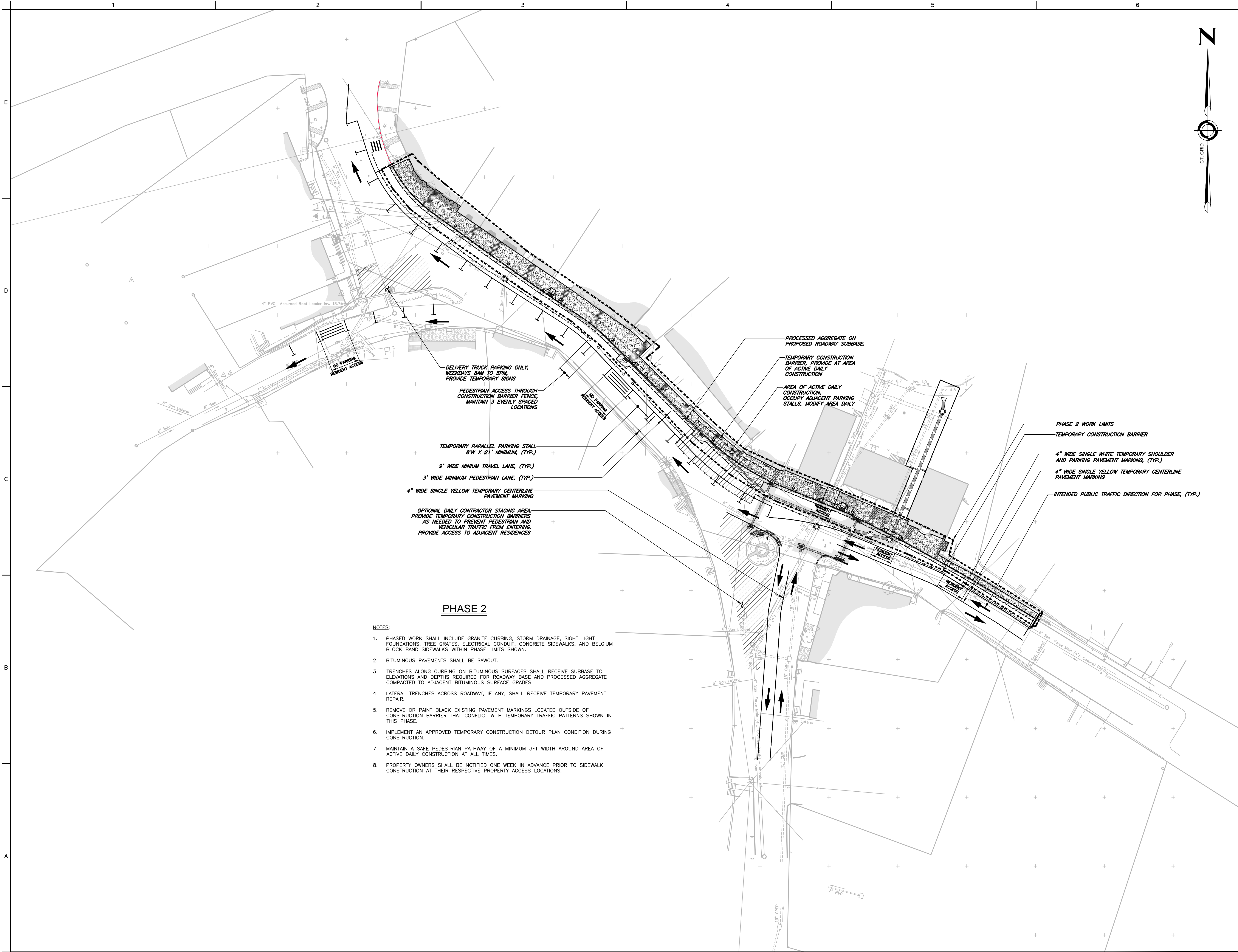
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

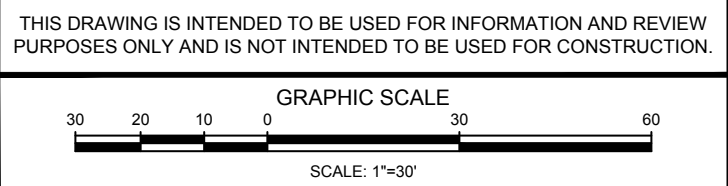
DATE: SEPTEMBER 2019	SHEET No.:
SCALE: 1"=30'	
PROJECT No.: 0010-0110	
CADD FILE: Phasing Plan	
DESIGNED: ALM	
DRAWN: ALM	
CHECKED: -	

**C11.1**





- NOTES:
- SEE SHEET C11.0 FOR PROJECT NOTES.
  - SEE SHEET C11.0 FOR MAINTENANCE AND TRAFFIC CONTROL NOTES.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

TEMPORARY TRAFFIC  
CONTROL AND  
CONSTRUCTION PHASING  
PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

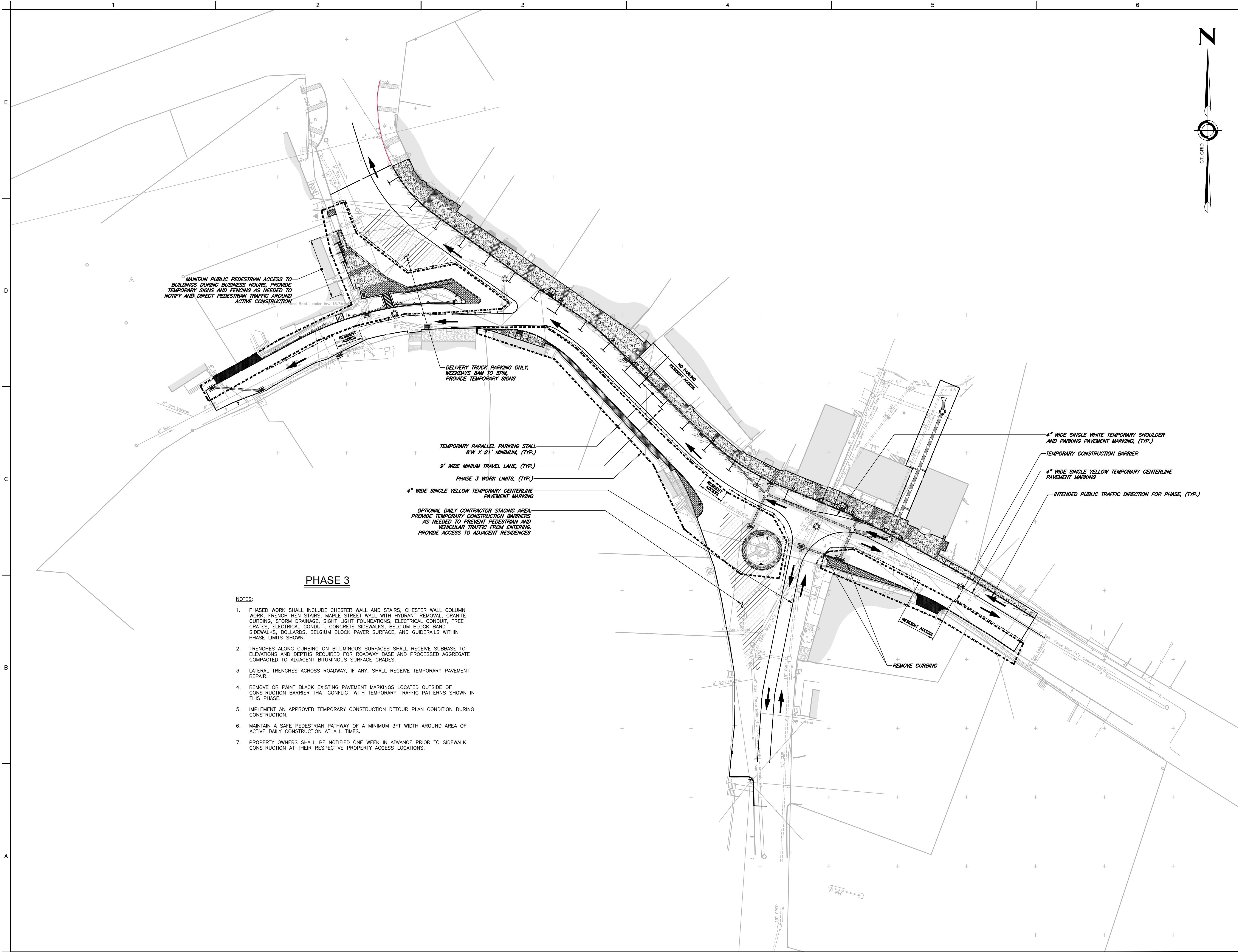
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.:
SCALE: 1"=30'	
PROJECT No.: 0010-0110	
CADD FILE: Phasing Plan	
DESIGNED: ALM	
DRAWN: ALM	
CHECKED: -	

C11.2





- NOTES:
- SEE SHEET C11.0 FOR PROJECT NOTES.
  - SEE SHEET C11.0 FOR MAINTENANCE AND TRAFFIC CONTROL NOTES.

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

GRAPHIC SCALE  
30 20 10 0 30 60  
SCALE: 1"=30'

TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

TEMPORARY TRAFFIC  
CONTROL AND  
CONSTRUCTION PHASING  
PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**N** Nathan L. Jacobson & Associates, Inc.  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

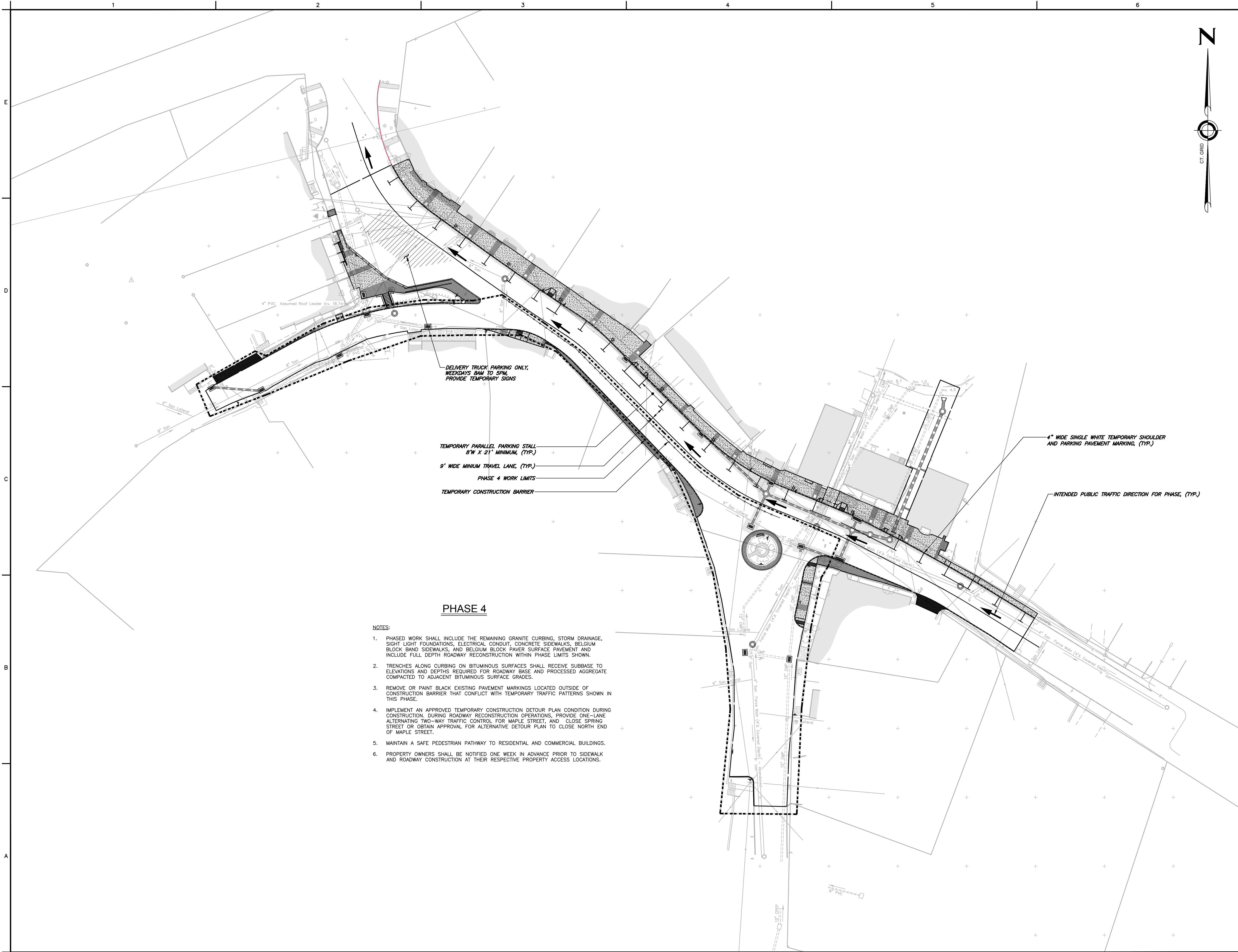
AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

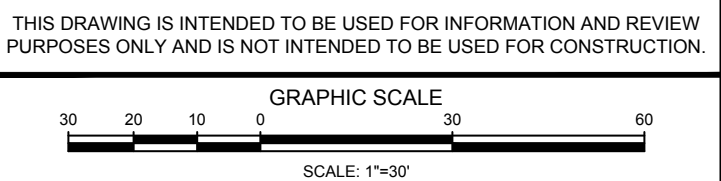
REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019 SCALE: 1"=30' PROJECT No.: 0010-0110 CADD FILE: Phasing Plan DESIGNED: ALM DRAWN: ALM CHECKED: -	SHEET No.:  <b>C11.3</b>
---	--------------------------------





- NOTES:
- SEE SHEET C11.0 FOR PROJECT NOTES.
  - SEE SHEET C11.0 FOR MAINTENANCE AND TRAFFIC CONTROL NOTES.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

TEMPORARY TRAFFIC  
CONTROL AND  
CONSTRUCTION PHASING  
PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

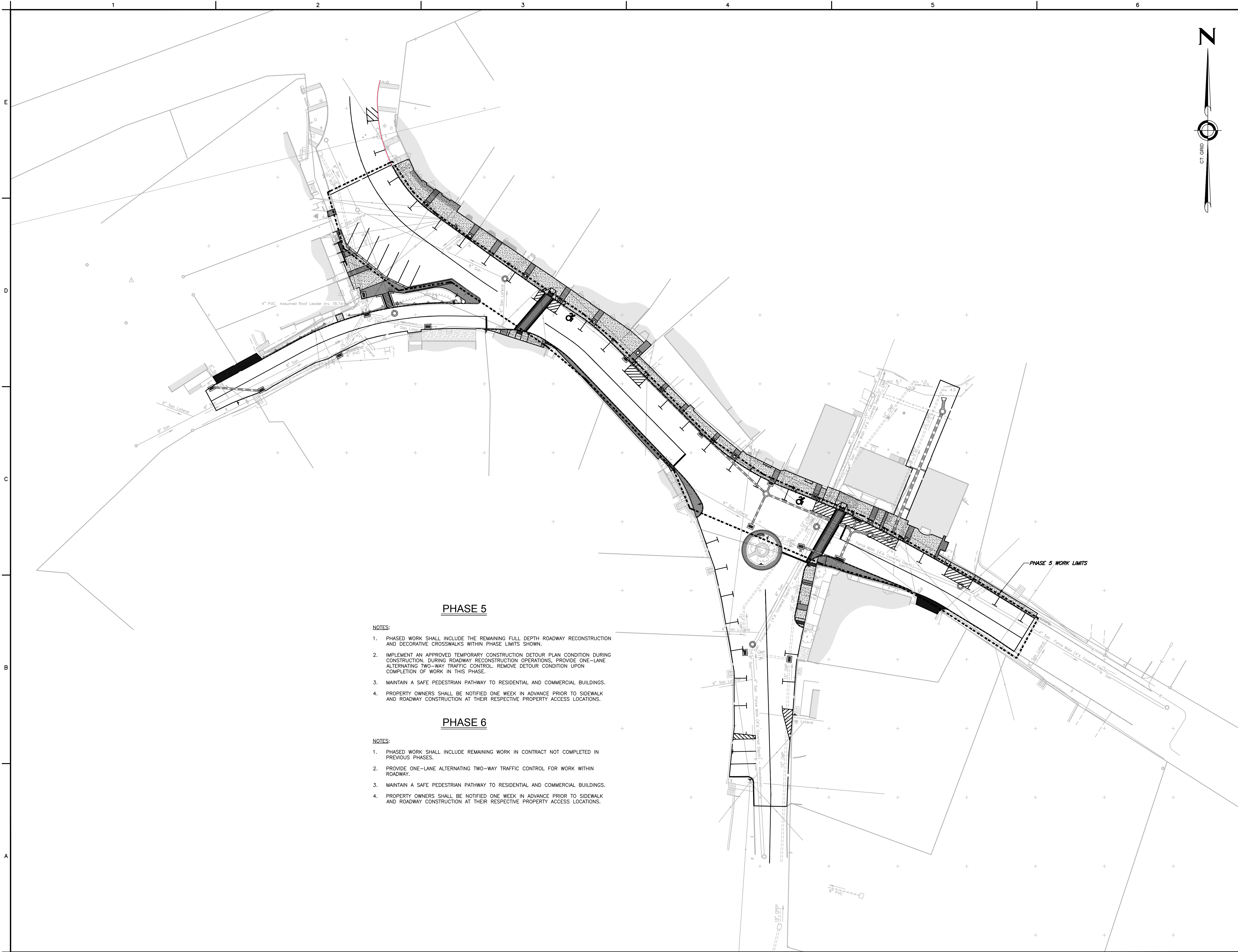
© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

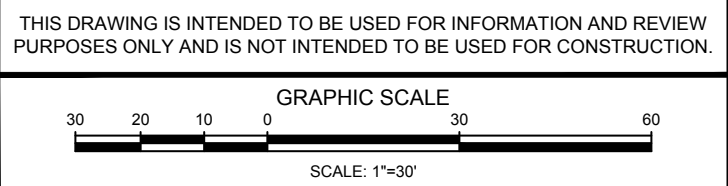
DATE: SEPTEMBER 2019	SHEET No.:
SCALE: 1"=30'	
PROJECT No.: 0010-0110	
CADD FILE: Phasing Plan	
DESIGNED: ALM	
DRAWN: ALM	
CHECKED: -	

C11.4





- NOTES:
- SEE SHEET C11.0 FOR PROJECT NOTES.
  - SEE SHEET C11.0 FOR MAINTENANCE AND TRAFFIC CONTROL NOTES.



TOWN OF  
CHESTER, CONNECTICUT

MAIN STREET  
IMPROVEMENTS  
PHASE 3

TEMPORARY TRAFFIC  
CONTROL AND  
CONSTRUCTION PHASING  
PLAN

CONTRACT DRAWINGS

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

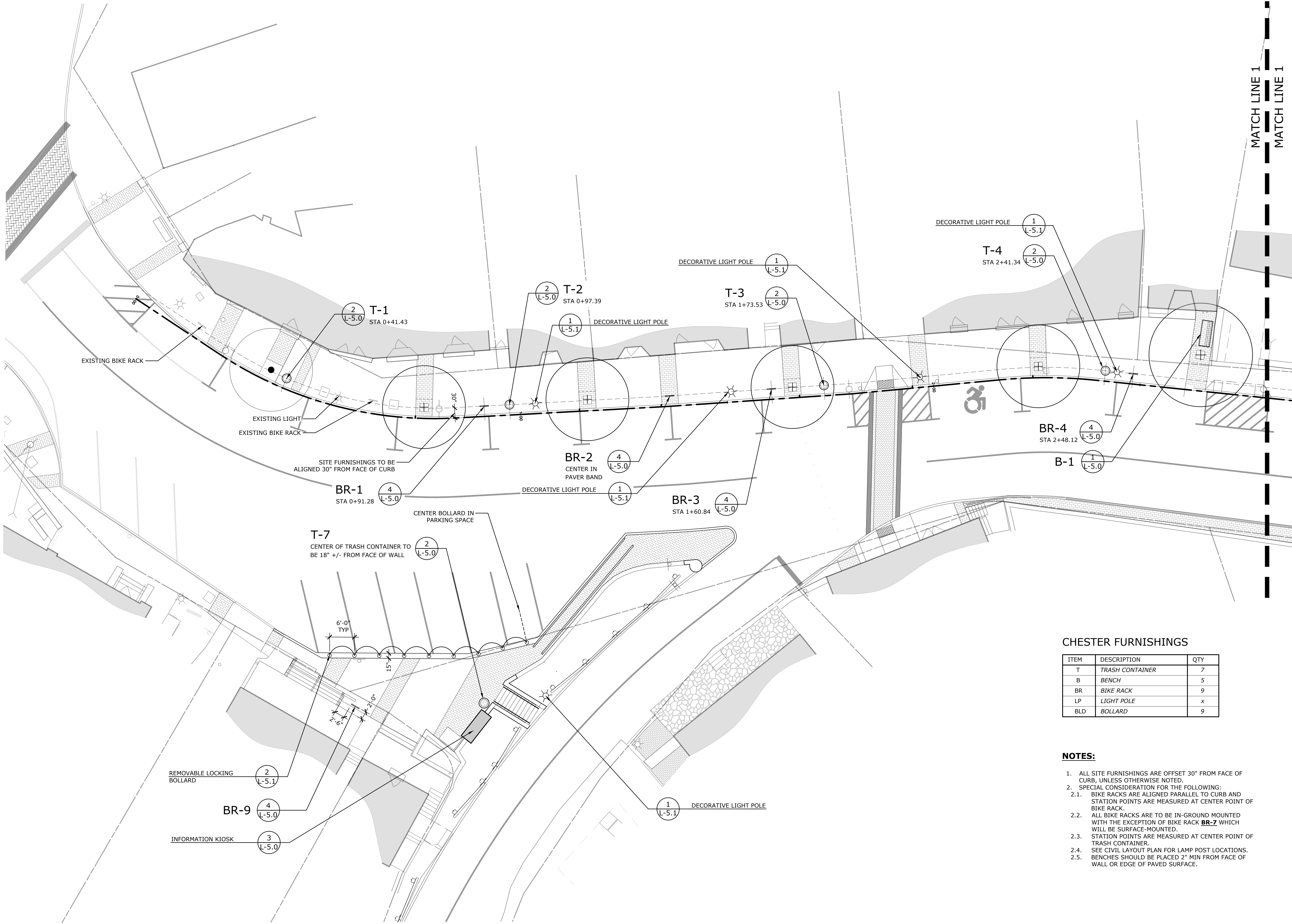
AARON L. MORTENSEN, P.E.  
CT REGISTRATION No. 27169

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 2019	SHEET No.:
SCALE: 1"=30'	C11.5
PROJECT No.: 0010-0110	
CADD FILE: Phasing Plan	
DESIGNED: ALM	
DRAWN: ALM	
CHECKED: -	



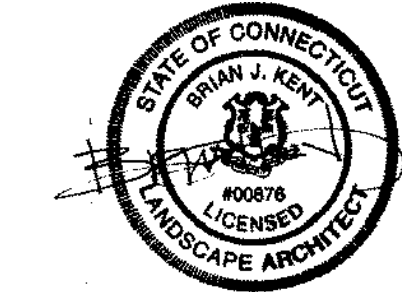


CHESTER FURNISHINGS

ITEM	DESCRIPTION	QTY
T	TRASH CONTAINER	7
B	BENCH	5
BR	BIKE RACK	9
LP	LIGHT POLE	x
BLD	BOLLARD	9

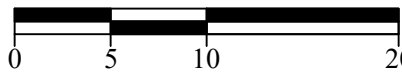
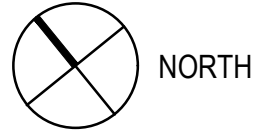
NOTES:

- ALL SITE FURNISHINGS ARE OFFSET 30" FROM FACE OF CURB, UNLESS OTHERWISE NOTED.
- SPECIAL CONSIDERATION FOR THE FOLLOWING:
  - BIKE RACKS ARE ALIGNED PARALLEL TO CURB AND STATION POINTS ARE MEASURED AT CENTER POINT OF BIKE RACK.
  - ALL BIKE RACKS ARE TO BE IN-GROUND MOUNTED WITH THE EXCEPTION OF BIKE RACK **BR-7** WHICH WILL BE SURFACE-MOUNTED.
  - STATION POINTS ARE MEASURED AT CENTER POINT OF TRASH CONTAINER.
  - SEE CIVIL LAYOUT PLAN FOR LAMP POST LOCATIONS.
  - BENCHES SHOULD BE PLACED 2" MIN FROM FACE OF WALL OR EDGE OF PAVED SURFACE.



NOT ISSUED FOR  
CONSTRUCTION

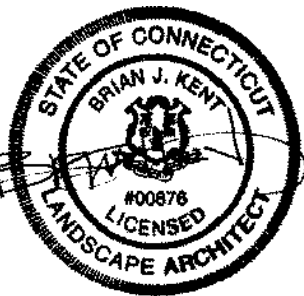
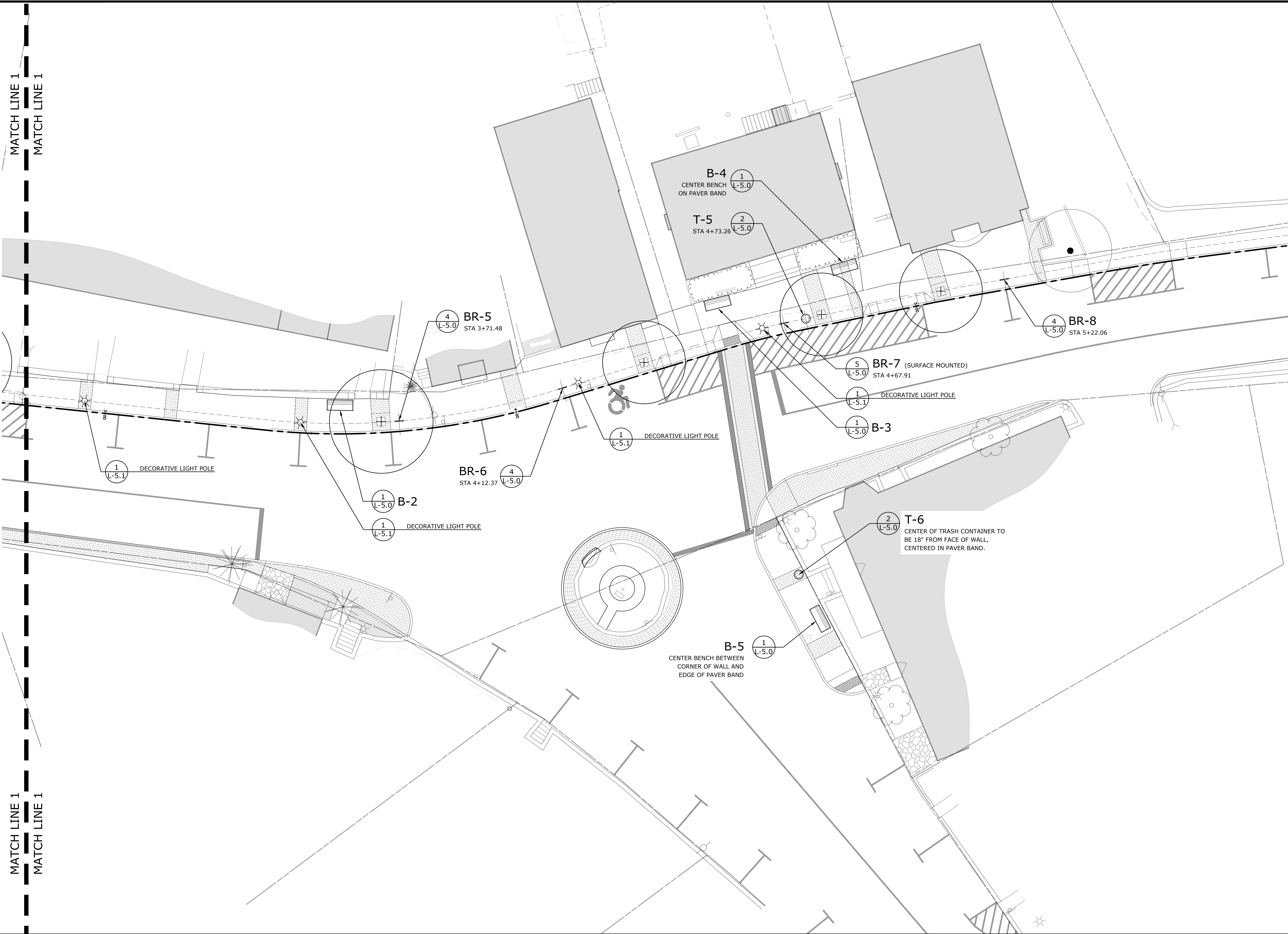
Revisions	Date



SITE FURNISHINGS  
PLAN

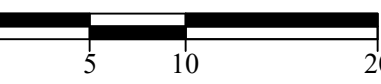
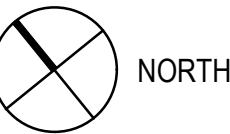
Scale	1" = 10'
Date	September 2019
K+F Project No.	2017005
Drawing No.	





NOT ISSUED FOR  
CONSTRUCTION

Revisions	Date



SITE FURNISHINGS  
PLAN

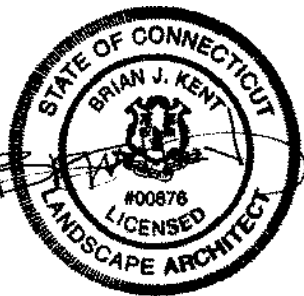
Scale	1" = 10'
Date	September 2019
K+F Project No.	2017005
Drawing No.	



Town of Chester,  
Connecticut

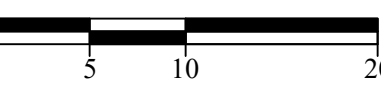
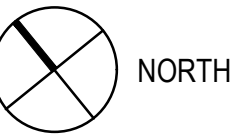
Main Street  
Improvements  
Phase 3

LANDSCAPE  
**KENT+  
FROST**  
ARCHITECTURE  
1 HIGH STREET  
MYSTIC, CT 06355  
860.572.0784  
kentfrost.com



NOT ISSUED FOR  
CONSTRUCTION

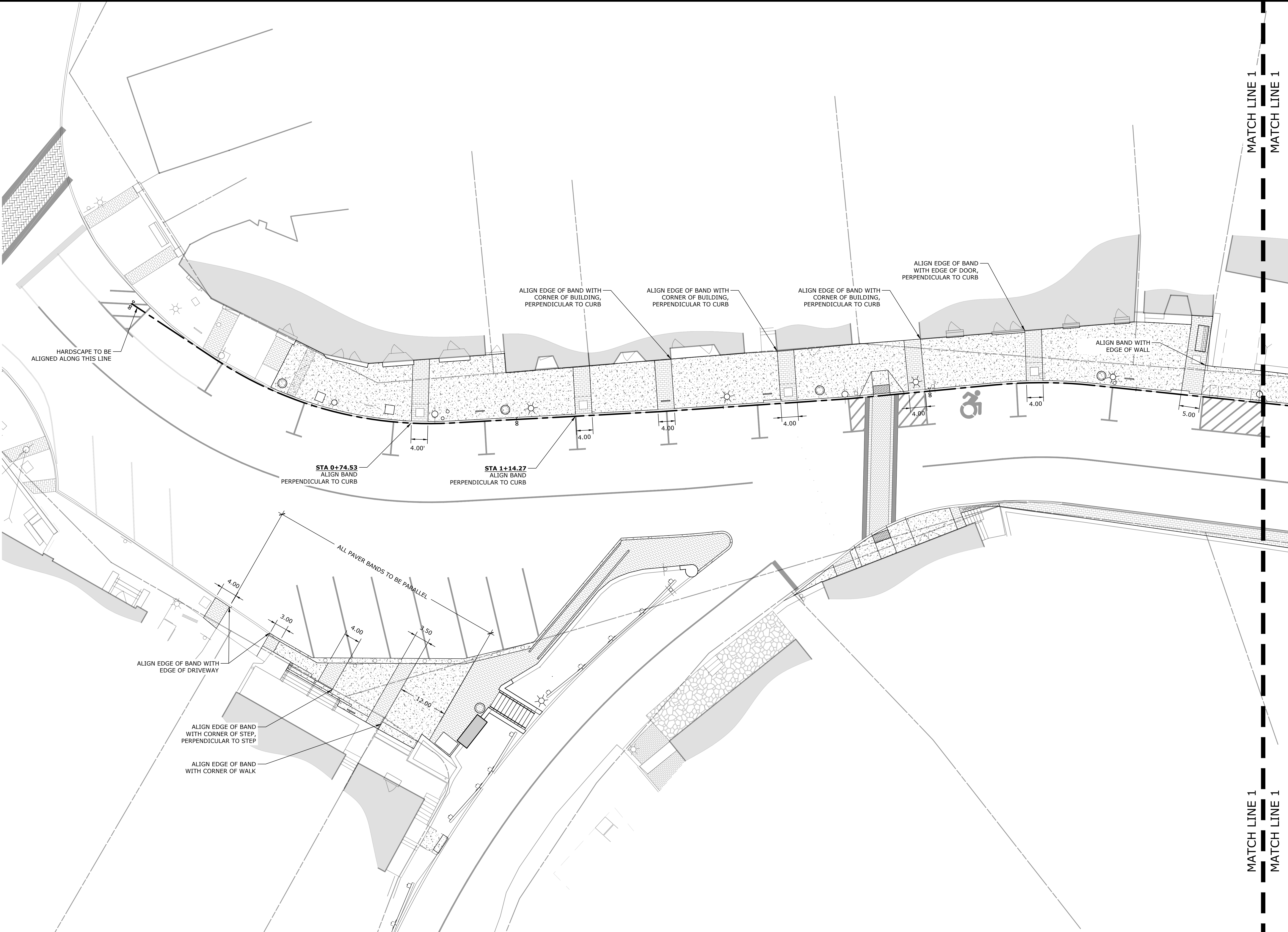
Revisions	Date



HARDSCAPE LAYOUT  
PLAN

Scale 1" = 10'  
Date September 2019  
K+F Project No. 2017005  
Drawing No.

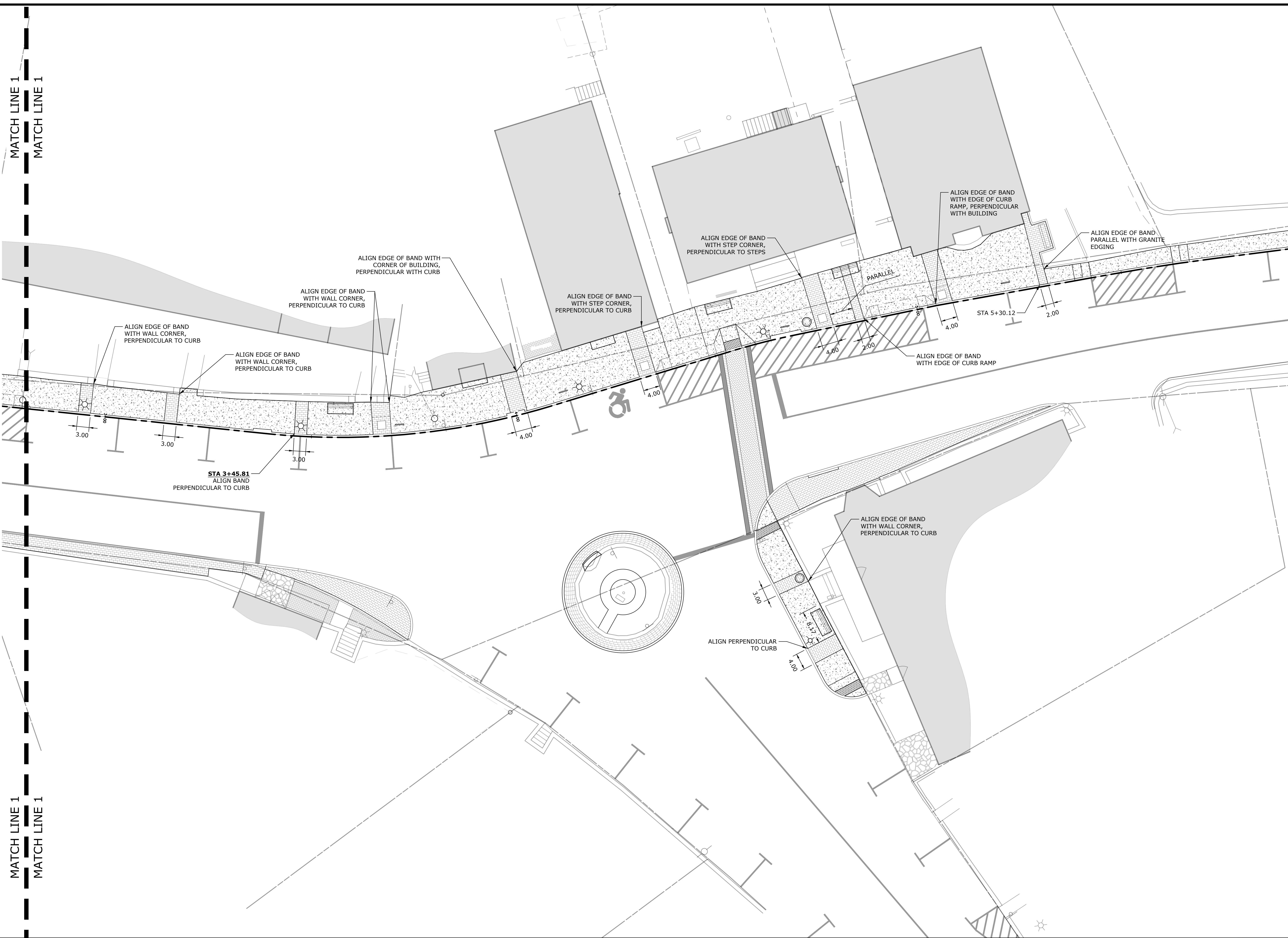
L-2.0





MATCH LINE 1  
MATCH LINE 1

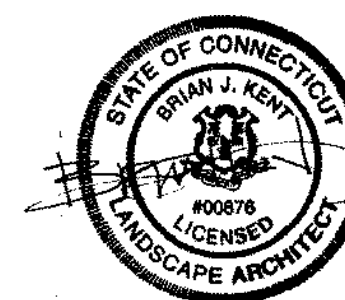
MATCH LINE 1  
MATCH LINE 1



Town of Chester,  
Connecticut

# Main Street Improvements Phase 3

LANDSCAPE  
**KENT+  
FROST**  
ARCHITECTURE  
1 HIGH STREET  
MYSTIC, CT 06355  
860.572.0784  
kentfrost.com



NOT ISSUED FOR  
CONSTRUCTION

Revisions \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



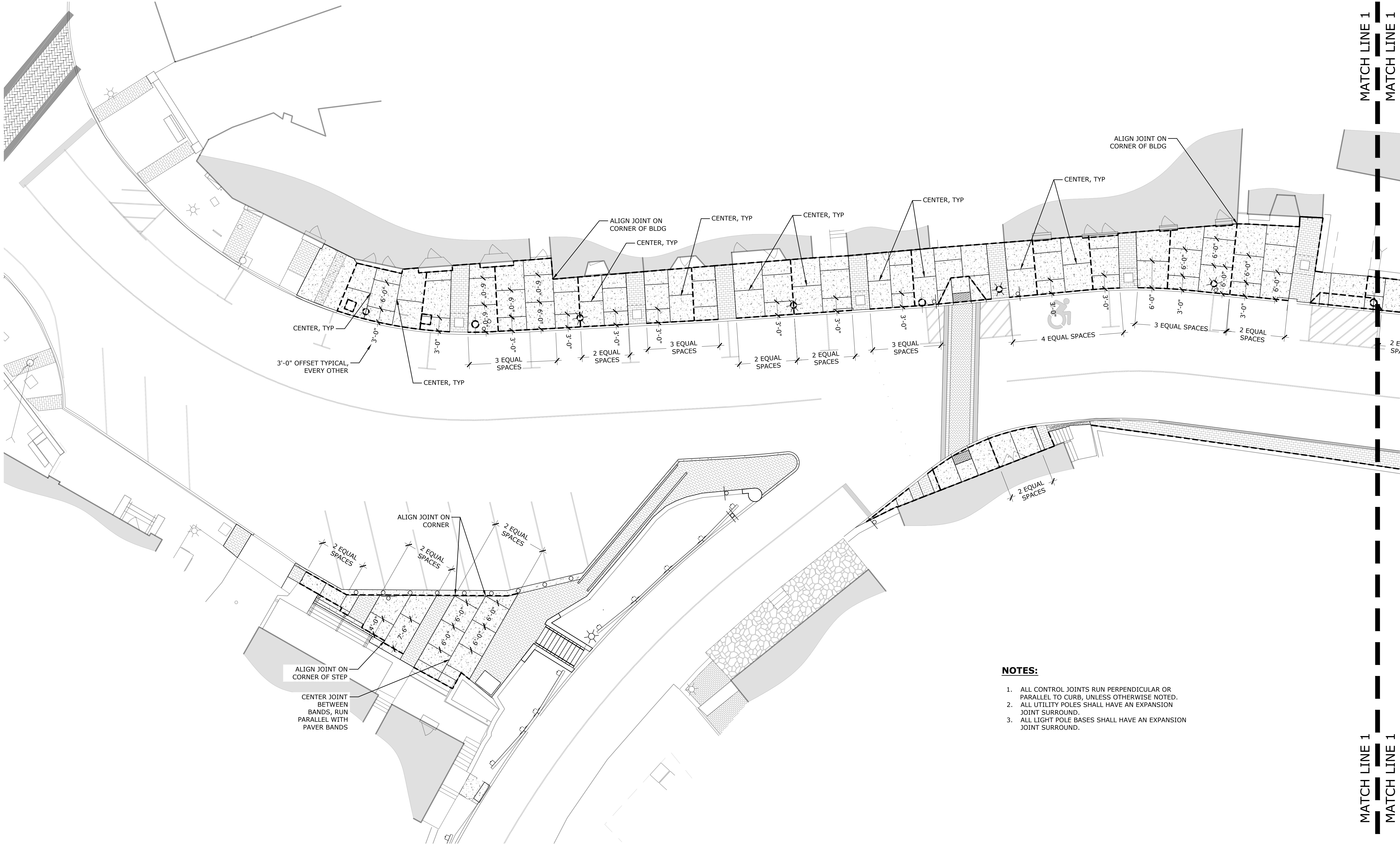
0 5 10 20

## HARDSCAPE LAYOUT PLAN

Scale \_\_\_\_\_ 1" = 10'  
Date \_\_\_\_\_ September 2019  
K+F Project No. \_\_\_\_\_ 2017005  
Drawing No. \_\_\_\_\_

L-2.1



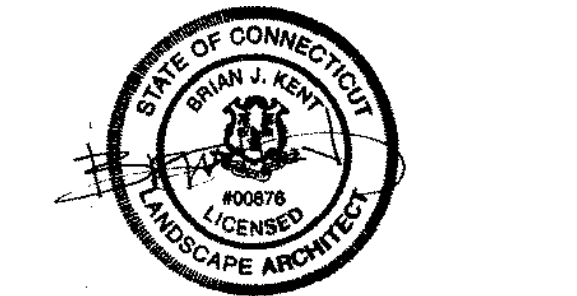


Town of Chester,  
Connecticut

Main Street  
Improvements  
Phase 3

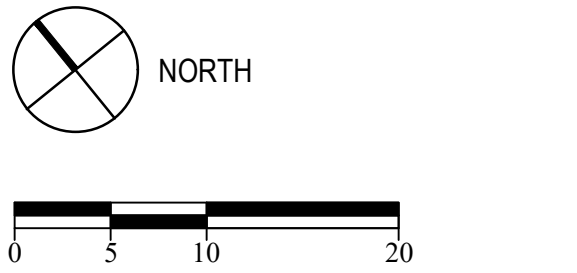
LANDSCAPE  
**KENT+  
FROST**  
ARCHITECTURE  
1 HIGH STREET  
MYSTIC, CT 06355  
860.572.0784  
kentfrost.com

- LEGEND:
- EXPANSION JOINT
  - + CONTROL JOINT



NOT ISSUED FOR  
CONSTRUCTION

Revisions	Date



EXPANSION AND  
CONTROL JOINT  
PLAN

Scale	1" = 10'
Date	September 2019
K+F Project No.	2017005
Drawing No.	

L-3.0

- NOTES:**
1. ALL CONTROL JOINTS RUN PERPENDICULAR OR PARALLEL TO CURB, UNLESS OTHERWISE NOTED.
  2. ALL UTILITY POLES SHALL HAVE AN EXPANSION JOINT SURROUND.
  3. ALL LIGHT POLE BASES SHALL HAVE AN EXPANSION JOINT SURROUND.



Town of Chester,  
Connecticut

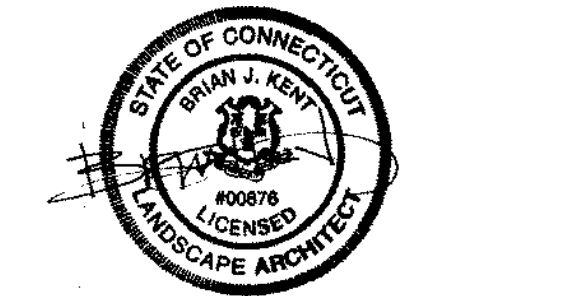
Main Street  
Improvements  
Phase 3

LANDSCAPE  
**KENT+  
FROST**  
ARCHITECTURE  
1 HIGH STREET  
MYSTIC, CT 06355  
860.572.0784  
kentfrost.com

LEGEND:

--- EXPANSION JOINT

--- CONTROL JOINT



NOT ISSUED FOR  
CONSTRUCTION

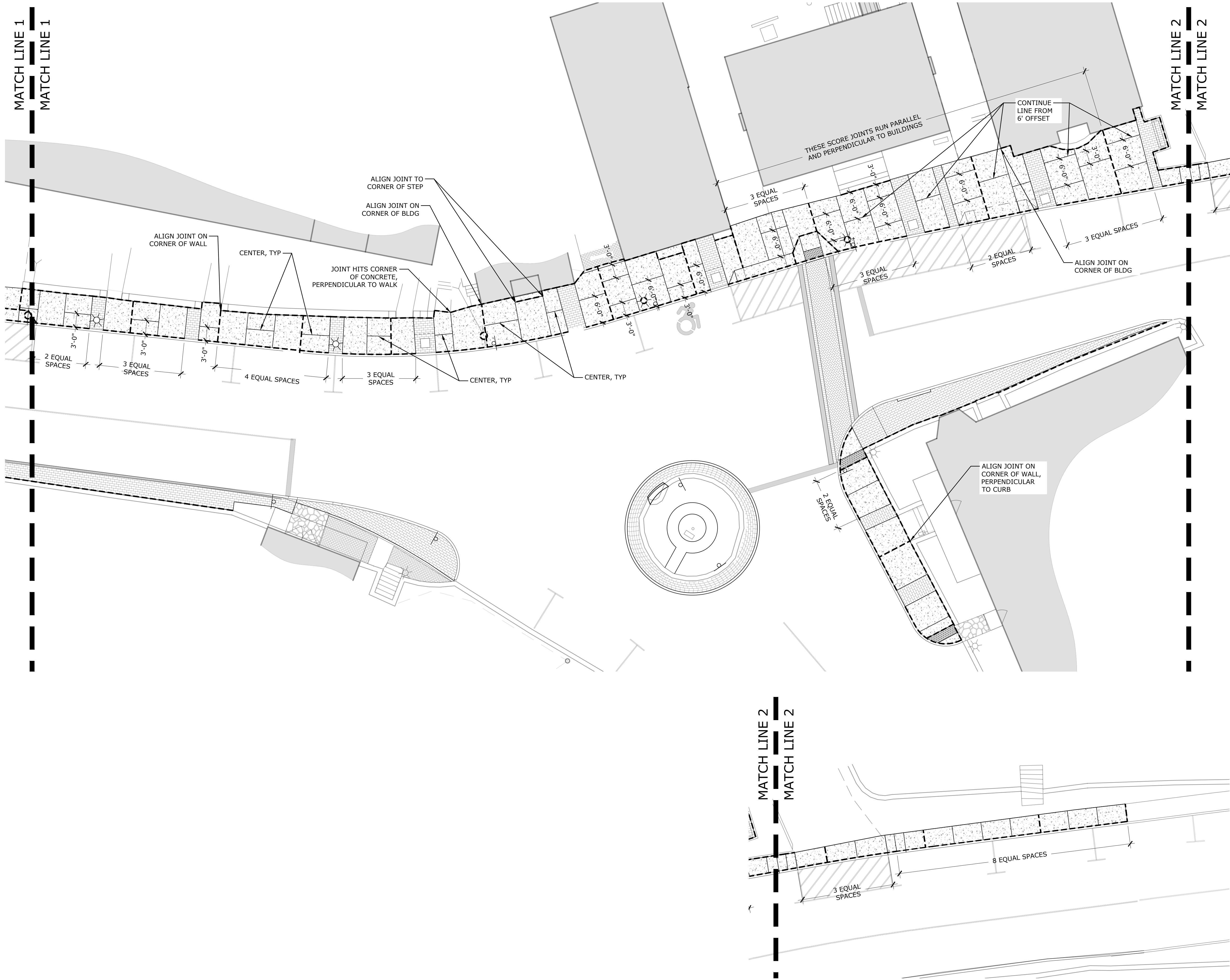
Revisions	Date

NORTH

0 5 10 20

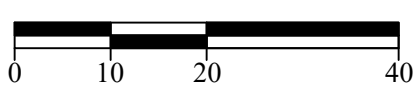
EXPANSION AND CONTROL JOINT PLAN	
Scale	1" = 10'
Date	September 2019
K+F Project No.	2017005
Drawing No.	

L-3.1



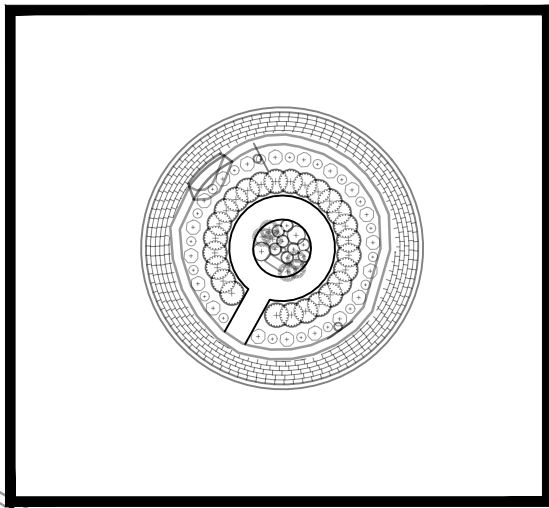


Revisions	Date
-----------	------



Scale	1" = 20'
Date	September 2019
K+F Project No.	2017005
Drawing No.	

# L-4.0

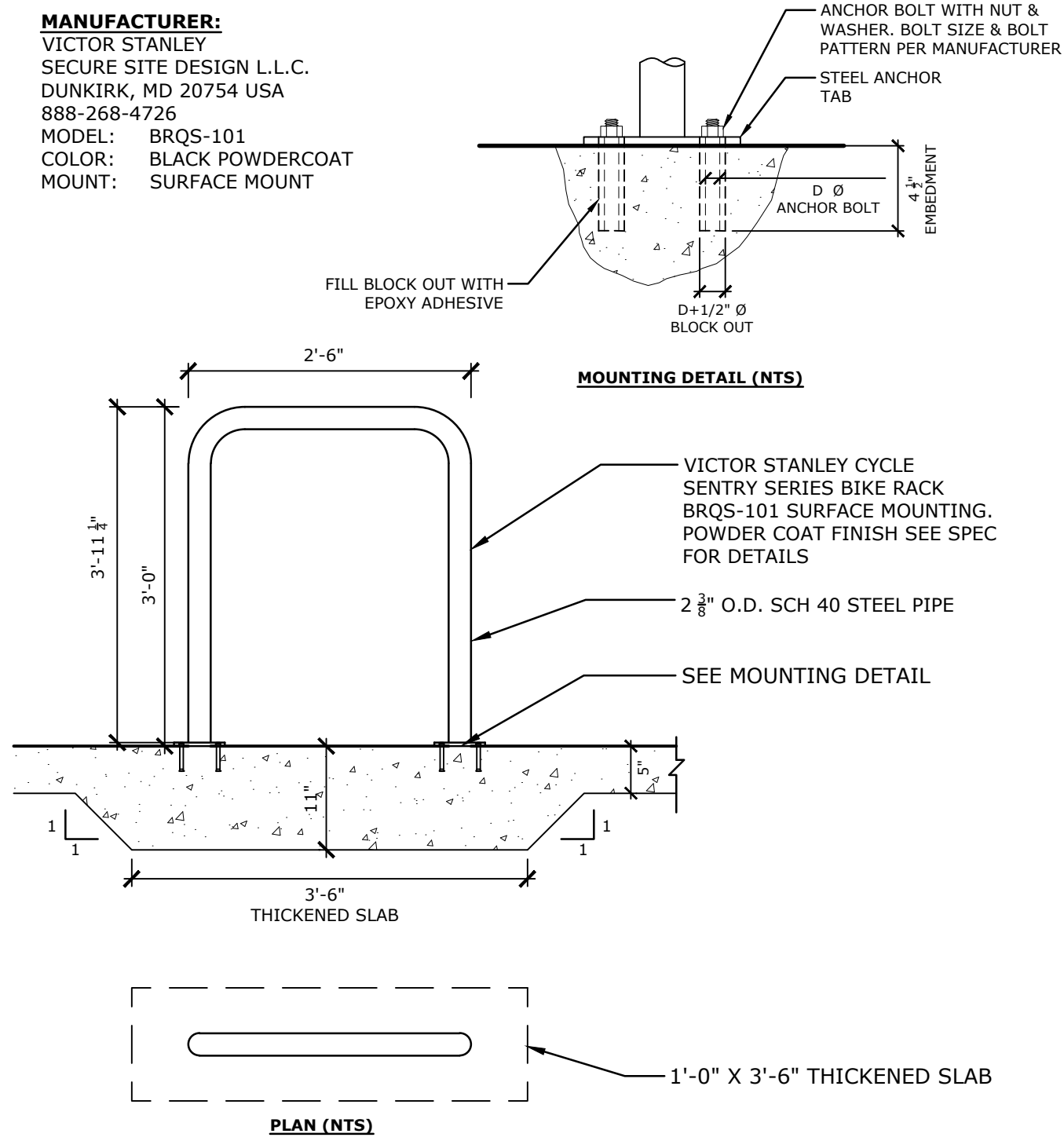


TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL
ACE RUB	3	Acer rubrum "October Glory" / October Glory Red Maple	B & B	2.5-3"Cal
NYS SYL	3	Nyssa sylvatica / Black Gum	B & B	2.5-3"Cal
ULM MOR	3	Ulmus x "Morton" / Accolade Elm	B & B	2.5-3"Cal
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
ILE SOF	26	Ilex crenata "Soft Touch" / Soft Touch Holly	3 gal	
ILE SHA	16	Ilex glabra "Shamrock" / Inkberry	B & B	24-30"
JUN HOR	13	Juniperus horizontalis / Creeping Juniper	3 gal	
GRASSES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
PAN CA4	23	Panicum virgatum "Cape Breeze" / Switch Grass	2 gal	
SCH SCO	41	Schizachyrium scoparium "Minnbluea" / Blue Heaven Little Bluestem	1 gal	
PERENNIALS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
AST OBL	6	Aster oblongifolius "October Skies" / Aromatic Aster	1 gal	
BAP AUS	2	Baptisia australis / Blue Wild Indigo	3 gal	
CHR VIR	69	Chrysogonum virginianum / Green and Gold	1 gal	
GAU SIS	8	Gaura lindheimeri "Whirling Butterflies" / Gaura	1 gal	
IBE CAN	46	Iberis sempervirens / Candytuft	1 gal	
PHL XAO	32	Phlox subulata "Blue Hills" / Blue Hills Phlox	1 gal	
SAL MA3	11	Salvia x sylvestris "May Night" / Sage	2 gal	
SED AU5	10	Sedum x "Autumn Fire" / Autumn Fire Sedum	2 gal	



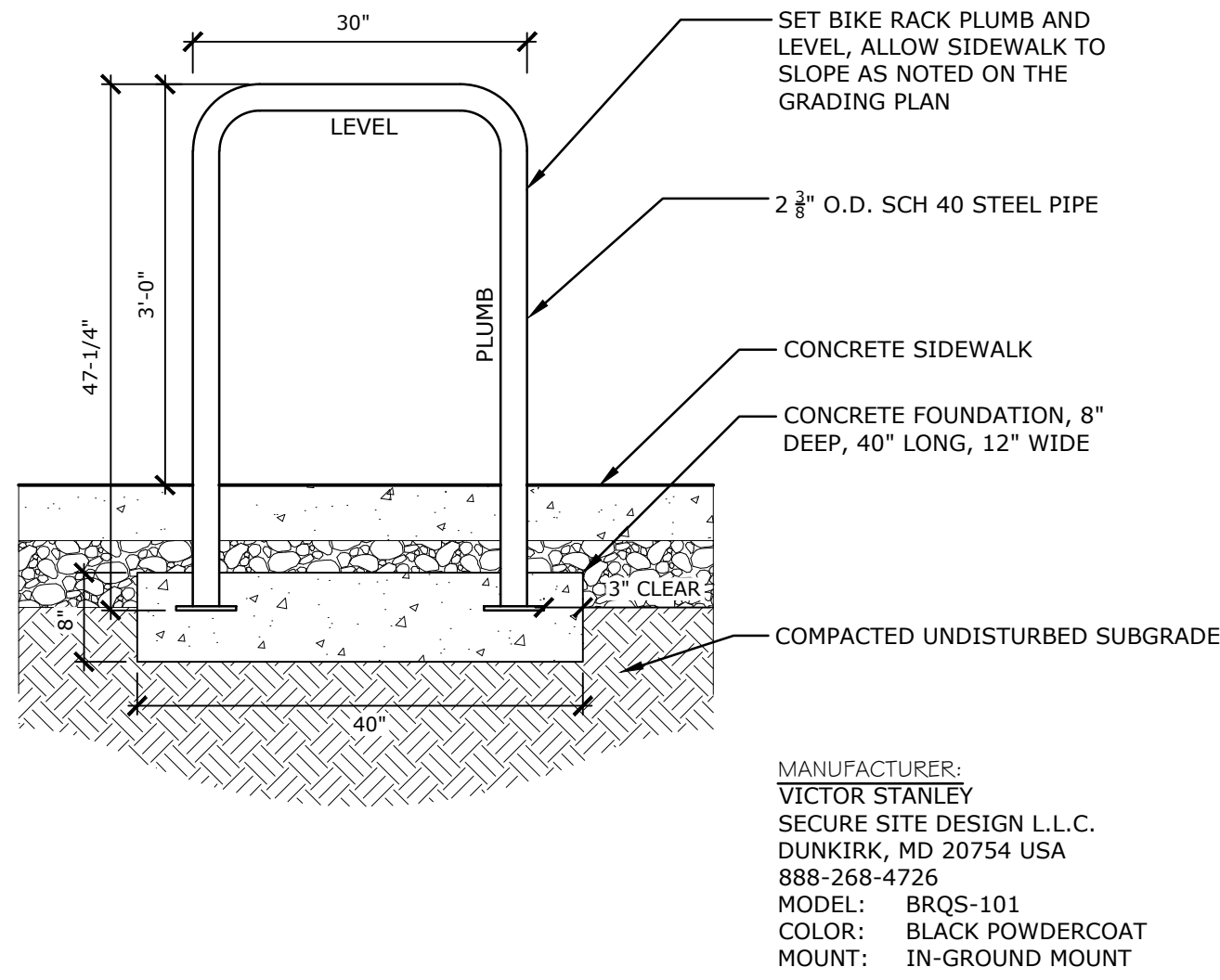


**MANUFACTURER:**  
VICTOR STANLEY  
SECURE SITE DESIGN L.L.C.  
DUNKIRK, MD 20754 USA  
888-268-4726  
MODEL: BRQS-101  
COLOR: BLACK POWDERCOAT  
MOUNT: SURFACE MOUNT



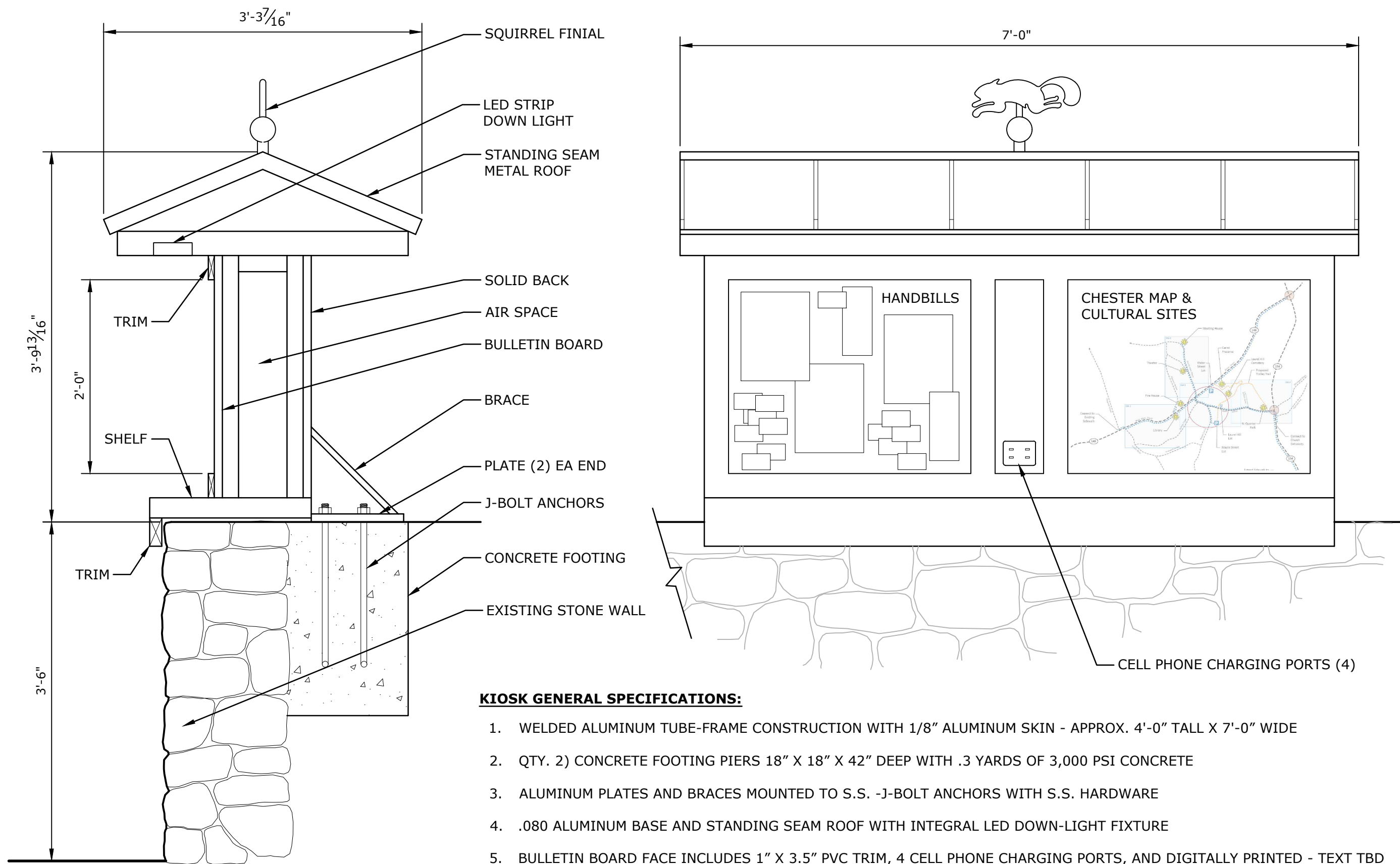
5 METAL LOOP BIKE RACK, SURFACE MOUNT  
NTS

P-2017-005-CHES3-45



4 METAL LOOP BIKE RACK, IN-GROUND MOUNT  
NTS

P-2017-005-CHES3-55



**KIOSK GENERAL SPECIFICATIONS:**

1. WELDED ALUMINUM TUBE-FRAME CONSTRUCTION WITH 1/8" ALUMINUM SKIN - APPROX. 4'-0" TALL X 7'-0" WIDE
2. QTY. 2) CONCRETE FOOTING PIERS 18" X 18" X 42" DEEP WITH .3 YARDS OF 3,000 PSI CONCRETE
3. ALUMINUM PLATES AND BRACES MOUNTED TO S.S. - J-BOLT ANCHORS WITH S.S. HARDWARE
4. .080 ALUMINUM BASE AND STANDING SEAM ROOF WITH INTEGRAL LED DOWN-LIGHT FIXTURE
5. BULLETIN BOARD FACE INCLUDES 1" X 3.5" PVC TRIM, 4 CELL PHONE CHARGING PORTS, AND DIGITALLY PRINTED - TEXT TBD
6. ROOF TOP MOUNTED STENCIL-CUT ALUMINUM SQUIRREL FINIAL
7. ALL EXPOSED ALUMINUM SURFACES TO BE PAINTED A LOW LUSTER CATALYZED ACRYLIC ENAMEL - COLORS TBD
8. DUPLEX 120V GFI RECEPTACLE - LOCATION TBD
9. ALUMINUM STRUCTURE SHALL INCLUDE LIFETIME WARRANTY AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP
10. ALL PAINTS SHALL INCLUDE MANUFACTURER'S IMPLIED WARRANTY OF EIGHT YEARS
11. ELECTRICAL SIGNS SHALL BE UL LABELED WITH ONE YEAR WARRANTY ON LABOR, THREE YEAR WARRANTY ON ELECTRICAL COMPONENTS
12. ALL WIRING TO PRIMARY FEED SHALL BE PROVIDED BY OTHERS

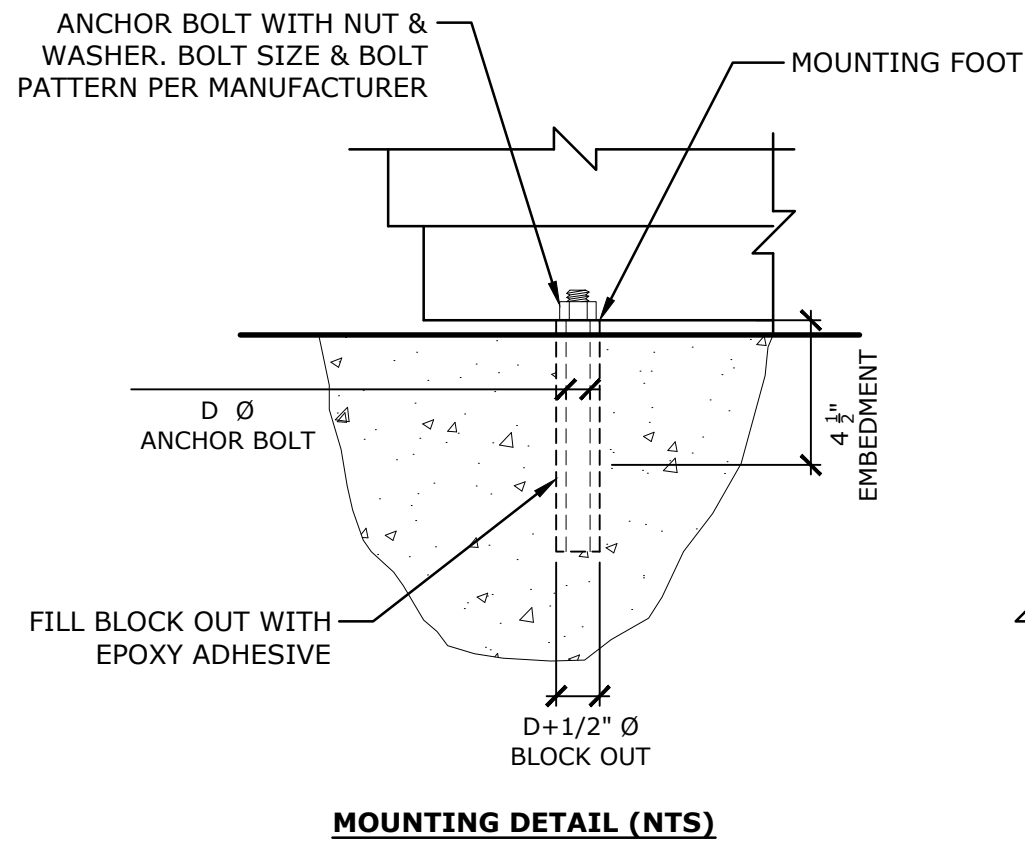
3 INFORMATION KIOSK  
NTS

P-2017-005-CHES3-102

**NOTES:**

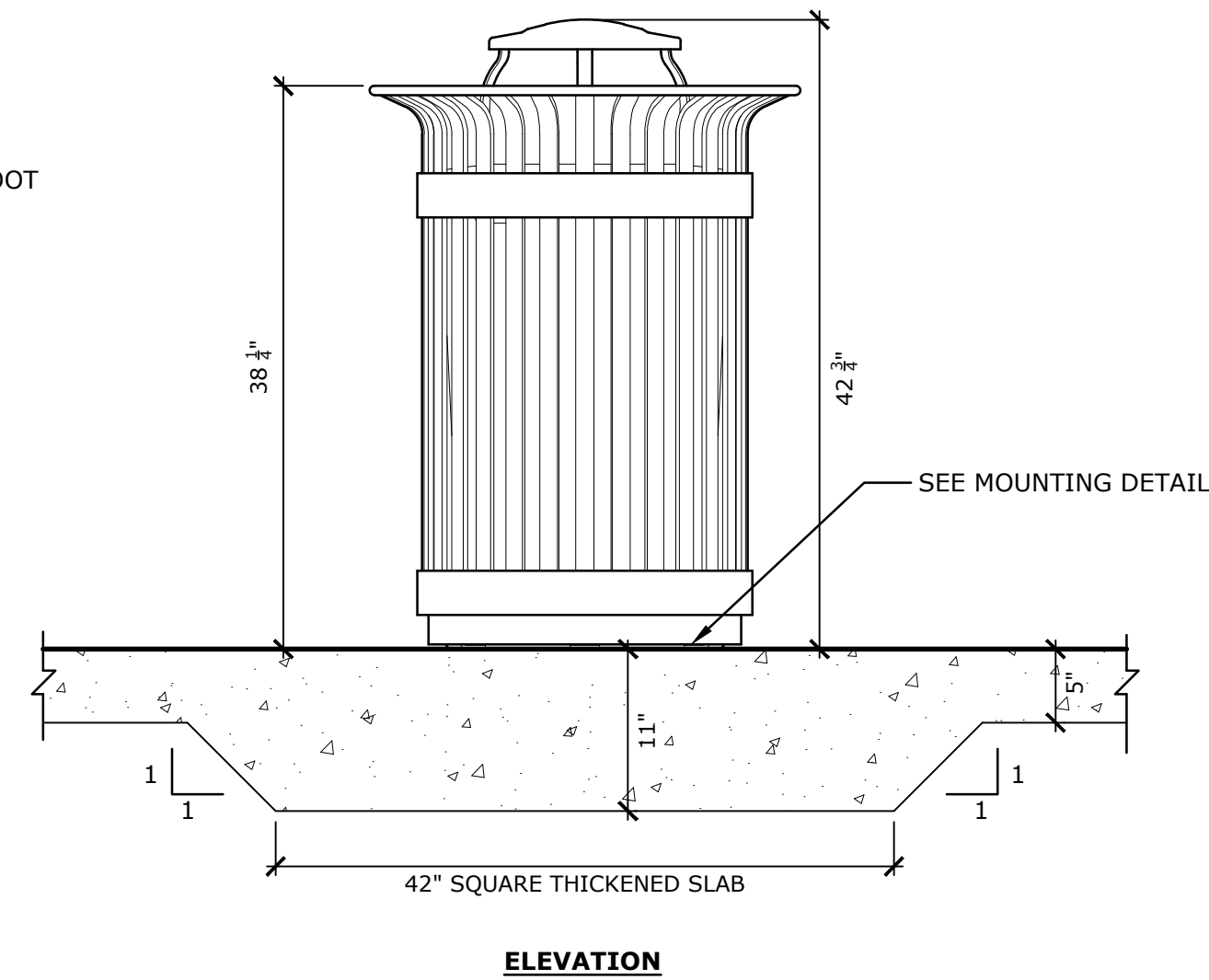
QUANTITY AND LOCATION DETERMINED BY OWNER.  
MODEL: MAGLIN MLWR200-32-DL32  
COLOR: BLACK POWDERCOAT FINISH  
LID: DOME LID (DL32)

MAGLIN SITE FURNITURE INC.  
WWW.MAGLIN.COM (800) 716-5506  
999 18TH STREET, SUIT 3000  
DENVER, CO 80202



2 MAGLIN TRASH CONTAINER  
NTS

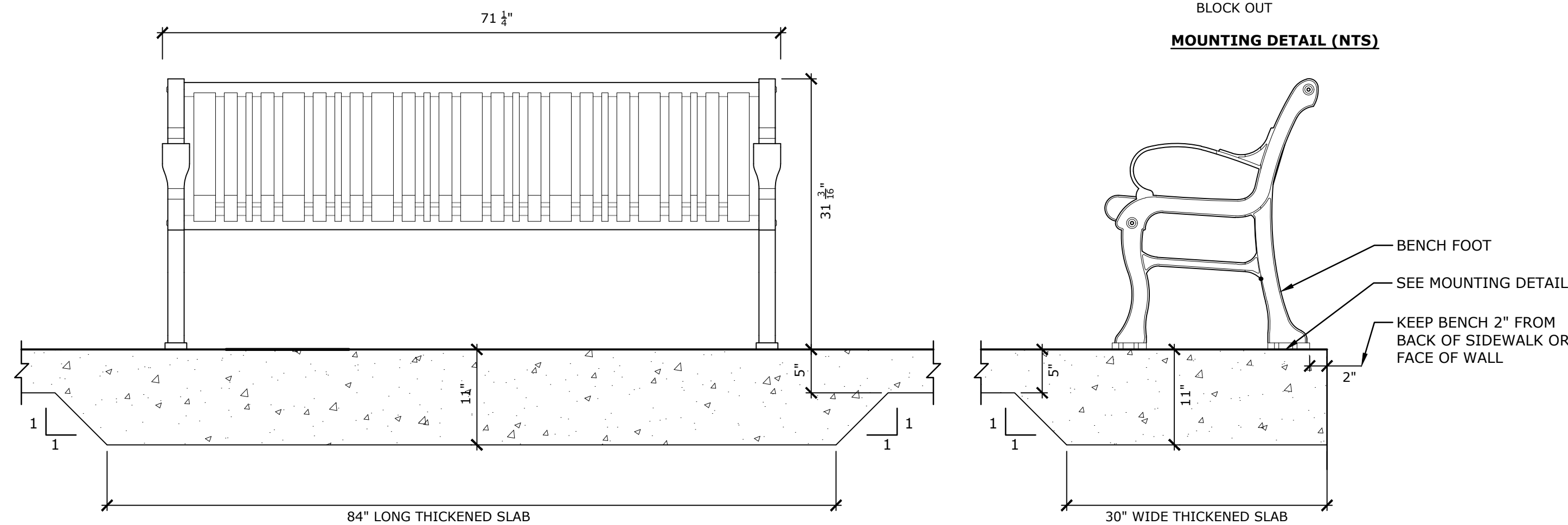
P-2017-005-CHES3-99



**NOTES:**

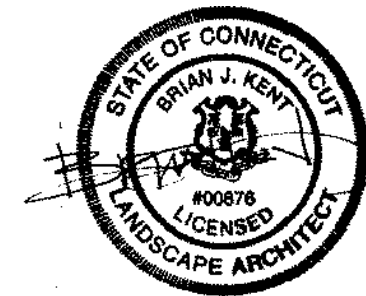
1. SEE DRAWINGS L-1.0 AND L-1.1 FOR OVERALL LOCATION OF BENCHES, BIKE RACKS AND TRASH CONTAINERS.
2. INSTALLATION OF BENCHES, BIKE RACKS AND TRASH CONTAINERS TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. FINAL COATING FOR ALL STEEL INCLUDING HARDWARE SHALL BE BLACK.

NOTE:  
MAGLIN MLB300-MVA BENCH-SURFACE MOUNTED  
POWDERCOAT FINISH SEE SPEC FOR DETAILS  
MAGLIN SITE FURNITURE INC.  
WWW.MAGLIN.COM  
(800) 716-5506  
999 18TH STREET, SUIT 3000  
DENVER, CO 80202



1 MAGLIN SURFACED MOUNTED BENCH  
NTS

P-2017-005-CHES3-15



NOT ISSUED FOR  
CONSTRUCTION

Revisions \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PLANTING &  
FURNISHINGS  
DETAILS

Scale \_\_\_\_\_  
Date \_\_\_\_\_ September 2019  
K+F Project No. \_\_\_\_\_ 2017005  
Drawing No. \_\_\_\_\_

L-5.0



## L-5.1



SITE ELECTRICAL NOTES

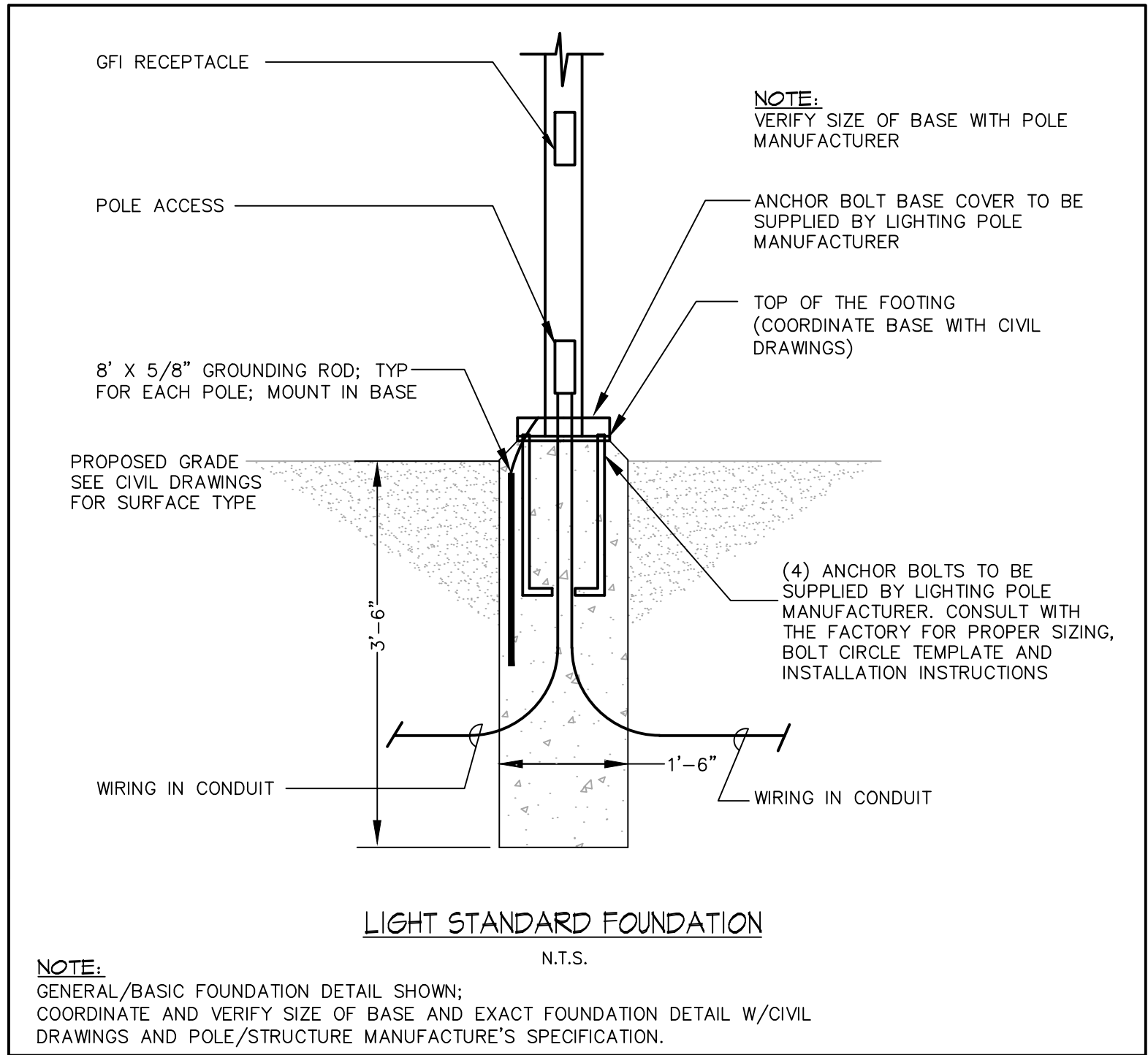
- ALL WORK IS NEW UNLESS OTHERWISE NOTED.
- THE ELECTRICAL CONTRACTOR (E.C.) SHALL VERIFY AND COORDINATE ALL REQUIREMENTS, LOCATIONS AND ROUTING WITH LOCAL UTILITIES BEFORE INSTALLING ANY EQUIPMENT AND ASSOCIATED WIRING AND DEVICES.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING AND CONDUIT. SEE CIVIL DRAWINGS FOR TRENCHING DETAIL.
- SITE LIGHTING SHALL BE CONNECTED TO EXISTING CONTROL PANEL LOCATED IN CEMETERY. REFER TO DETAIL SHEET FOR FURTHER INFORMATION.
- SITE LIGHTING SHALL BE 240V.

KEYED NOTES

①	PROPOSED OUTDOOR GROUND BOX FROM LEGRAND # XB814CS20XX WITH (2) 20A WEATHER RESISTANT DUPLEX RECEPTACLES BROWN COLOR. CONTRACTOR SHALL PROVIDE BACK FILLING MATERIALS PER MANUFACTURE'S SPECIFICATION. PROVIDE ALL REQUIRED MATERIALS LIKE COVER PLATE, FITTINGS ETC TO MAKE A COMPLETE WORKING SYSTEM.
②	INTERCEPT THE EXISTING LIGHTING WIRING FEEDING A1,B1,B2,B3&B4 AT THE EXISTING CONCRETE HANDHOLE AND RECONNECT TO NEARBY FIXTURE C2 LIGHTING CIRCUIT. PROVIDE 120V 20A DEDICATED CIRCUIT FOR 120V GFI RECEPTACLE MOUNTED ON NEW B# POLES. PROVIDE WEATHERPROOF GFI RECEPTACLE ON ALL B# POLES.
③	EXISTING 100A 12CT 1P 3W LOAD CENTER TO REMAIN.
④	EXISTING LIGHT FIXTURE A3 AND A6 SHALL BE REMOVED AND PROVIDED TO OWNER.

NOTE:

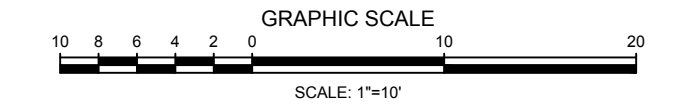
- PROVIDE UL LISTED APPROPRIATE SIZE WIRE REDUCER/COMPRESSOR LUGS AT EACH TRANSITION/CONNECTION POINT WHERE REQUIRED. NO EXTRA SHALL BE ALLOWED FOR THIS PURPOSE.
- PROVIDE GALVANIZED RIGID METAL CONDUIT UNDER ROADWAYS AND STREET CROSSING. PVC SCH 80 CAN BE USED UNDER WALKWAYS AND ROADWAYS.



CHESTER LAMP POST SCHEDULE

LIGHT #	DESCRIPTION	STATUS
A-1	Existing Lamp Post	REMAIN
A-2	Existing Lamp Post	REMAIN
A-3	Existing Lamp Post	REMOVE / PROVIDE TO OWNER
A-4	Existing Lamp Post	REMAIN
A-5	Existing Lamp Post	REMAIN
A-6	Existing Lamp Post	REMOVE / PROVIDE TO OWNER
A-7	Existing Lamp Post	REMAIN
A-8	Existing Lamp Post	REMAIN
A-9	Existing Lamp Post	REMAIN
A-10	Existing Lamp Post	REMAIN
B-1	Phase 1 Installed Lamp Post	REMAIN
B-2	Phase 1 Installed Lamp Post	REMAIN
B-3	Phase 1 Installed Lamp Post	REMAIN
B-4	Phase 1 Installed Lamp Post	REMAIN
C-1	Proposed Lamp Post	NEW
C-2	Proposed Lamp Post	NEW
C-3	Proposed Lamp Post	NEW
C-4	Proposed Lamp Post	NEW
C-5	Proposed Lamp Post	NEW
C-6	Proposed Lamp Post	NEW
C-7	Proposed Lamp Post	NEW
C-8	Proposed Lamp Post	NEW
C-9	Proposed Lamp Post	NEW

THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.



TOWN OF  
CHESTER, CONNECTICUT  
  
MAIN STREET  
IMPROVEMENTS  
PHASE 3

SITE LIGHTING PLAN

CONTRACT DRAWINGS  
(NOT FOR CONSTRUCTION)

ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

**Nathan L. Jacobson & Associates, Inc.**  
86 Main Street • P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
www.nlja.com  
Consulting Civil and Environmental Engineers Since 1972

**acorn**  
**Consulting Engineers Inc.**  
- Mechanical - Electrical Engineering for Building Systems  
P.O. Box 311 • Farms Village Plaza • 244 Farms Village Road  
West Simsbury, CT 06092 • (860) 651-1949 • fax (860) 651-1957  
www.acornengineers.com

W. MARK GENDRON, PE  
CT REGISTRATION No. 17876

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE: SEPTEMBER 18 2019	SHEET No.:
SCALE: 1"=30'	
PROJECT No.: 01001010	
CADD FILE: 0100110SP	
DESIGNED: AJG	
DRAWN: RK	
CHECKED: WMG	

SL-1



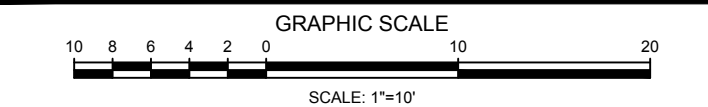


PROVIDE THE FOLLOWING QUANTITIES:  
1 POLE CIRCUIT - 1 HOT, 1 NEUTRAL, 1 GROUND  
2 POLE CIRCUIT - 2 HOT, 1 GROUND  
3 POLE CIRCUIT - 3 HOT, 1 GROUND  
1 POLE 1G CIRCUIT - 1 HOT, 1 NEUTRAL,  
1 GROUND, 1 ISOLATED GROUND;  
CONDUIT SIZED FOR CU; ADJUST  
ACCORDINGLY FOR AL

NOTES:

1. VERIFY BREAKERS WITH NAMEPLATE RATINGS OF EQUIPMENT IN FIELD.
2. PROVIDE SIX (6) 20A-1P SPARE BREAKERS.
3. PROVIDE FULL COPPER BUSSING.

- THIS DRAWING IS INTENDED TO BE USED FOR INFORMATION AND REVIEW PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION



ANY ALTERATIONS TO THIS DRAWING MADE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF NATHAN L. JACOBSON & ASSOCIATES, INC. WILL BE AT THE SOLE RISK OF THE PERSON OR FIRM MAKING SUCH UNAUTHORIZED ALTERATIONS AND NATHAN L. JACOBSON & ASSOCIATES, INC. WILL NEITHER HAVE NOR ACCEPT ANY LIABILITY OR LEGAL EXPOSURE ARISING FROM SAID UNAUTHORIZED ALTERATIONS.

 Nathan L. Jacobson & Associates, Inc.  
86 Main Street P.O. Box 337  
Chester, Connecticut 06412-0337  
Tel: (860) 526-9591 Fax: (860) 526-5416  
[www.nlja.com](http://www.nlja.com)  
Jacobson Consulting Civil and Environmental Engineers Since 1972



**acorn**  
**Consulting Engineers Inc.**

- Mechanical - Electrical Engineering for Building Systems

P.O. Box 311 • Farms Village Plaza • 244 Farms Village Road  
 West Simsbury, CT 06092 • (860) 651-1949 • fax (860) 651-1957  
[www.acornengineers.com](http://www.acornengineers.com)

W. MARK GENDRON, PE  
CT REGISTRATION No. 17876

© COPYRIGHT 2019 NATHAN L. JACOBSON & ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

REVISIONS		
No.	DESCRIPTION	DATE

DATE:	SEPTEMBER 18 2019	SHEET No.:
SCALE:	1"=30'	
PROJECT No.:	00100110	
CADD FILE:	0100110SP	
DESIGNED:	AUG	SL-2
DRAWN:	RK	
CHECKED:	WMG	

