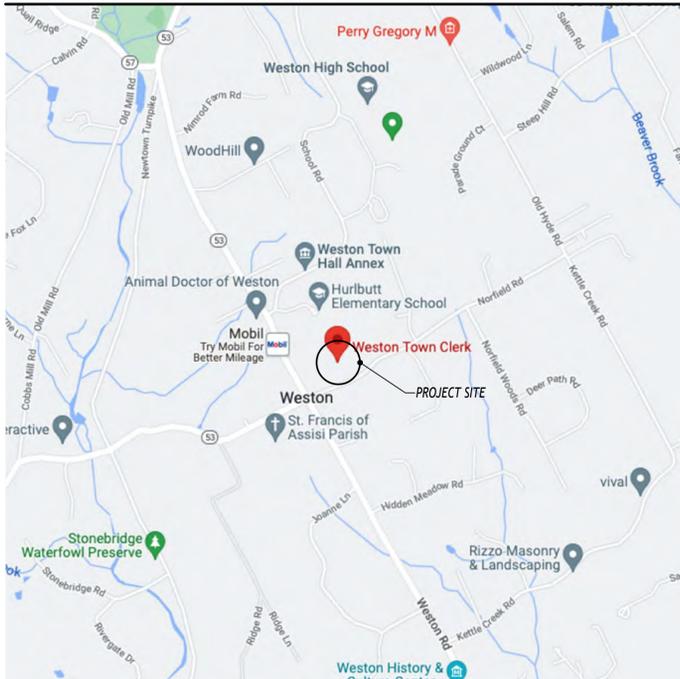


LANDSCAPE DEVELOPMENT FOR WESTON TOWN GREEN 56 NORFIELD ROAD, WESTON

FEBRUARY 10, 2023

LOCATION MAP



VICINITY MAP



LIST OF DRAWINGS

- T-1 TITLE SHEET
- G-1 GENERAL NOTES
- E-1 TOPOGRAPHIC SURVEY
- L-1 DEMO PLAN
- L-2 LAYOUT, MATERIALS, AND GRADING PLAN
- P-1 PLANTING PLAN
- P-2 PLANTING NOTES AND DETAILS
- D-1 DETAILS
- D-2 DETAILS
- D-3 DETAILS
- D-4 WAR MEMORIAL DETAILS
- E-0 ELECTRICAL SPECIFICATIONS
- E-1 ELECTRICAL SCHEDULES, NOTES, AND ABBREVIATIONS
- E-2 SITE ELECTRICAL PLAN

PROJECT DIRECTORY

- TOWN OF WESTON
WESTON FIRST SELECT WOMAN
SAMANTHA NESTOR
TOWN ADMINISTRATOR
JONATHAN LUIZ
BEAUTIFICATION COMMITTEE CHAIR
CLAUDIA HAHN
- LANDSCAPE ARCHITECT
WILLIAM KENNY ASSOCIATES LLC
- DESIGN ARCHITECT
THIEL ARCHITECTURE + DESIGN
- HORTICULTURE DESIGNER
KARIN'S GARDEN DESIGN
- MEMORIAL DESIGNER
JULIE HANSELMANN DAVIES
- SURVEYOR
STALKER LAND SURVEYING, INC.
- ELECTRICAL ENGINEER
SG ENGINEERING

ABBREVIATIONS

(TYP.)	TYPICAL CONDITION	CONT.	CONTAINER
EQ.	EQUAL	B&B	BALL & BURLAPPED
EJ	EXPANSION JOINT	O.C	ON CENTER
CL	CENTER LINE	CAL.	TREE CALIPER
DIA.	DIAMETER	GAL.	PLANT CONTAINER
R	RADIUS	QUART	PLANT CONTAINER
MN.	MINIMUM	HT.	HEIGHT
MAX.	MAXIMUM	SPD	SPREAD
		QTY	QUANTITY

PROJECT:

WESTON TOWN GREEN

OWNER / CLIENT:

WESTON BEAUTIFICATION COMMITTEE

56 NORFIELD ROAD
WESTON, CT

DESIGN ARCHITECT:

THIEL ARCHITECTURE + DESIGN

1480 POST ROAD EAST 5A
WESTPORT, CT

HORTICULTURAL DESIGNER:

KARIN'S GARDEN DESIGN

14 STONEHENGE ROAD
WESTON, CT

MEMORIAL DESIGNER:

JULIE HANSELMANN DAVIES

57 PARK TERRACE EAST B27
NEW YORK, NY

ELECTRICAL ENGINEER:

SG ENGINEERING

56 FOXCROFT COURT
SOUTHINGTON, CT

PROGRESS ISSUE:

1	ISSUED FOR BID	02/10/2023
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KEY PLAN:

SCALE:

SEAL:

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

G-1

SUMMARY OF WORK

THE WORK SHALL BE AS SHOWN AND CALLED FOR IN THE CONTRACT DOCUMENTS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING GENERAL ITEMS OF WORK:

1. REMOVALS OF EXISTING PAVEMENTS AND MISCELLANEOUS ITEMS
2. SITE PREPARATION AND SEDIMENT AND EROSION CONTROLS CONSTRUCTION FENCING AND GRADING
3. INSTALLATION OF ELECTRICAL LIGHTING AND OUTLETS
4. INSTALLATION OF HARDSCAPE
5. INSTALLATION OF SITE FURNISHINGS
6. INSTALLATION OF PLANT MATERIAL

GENERAL NOTES

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING.

1. THE CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND CONDITIONS OF THE SITE AND/OR BUILDING.
2. DRAWINGS ARE NOT TO BE SCALED. USE DIMENSIONS ONLY. DIMENSIONS AND CONDITIONS SHOWN AND ASSUMED ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BY THE CONTRACTOR BEFORE ORDERING MATERIAL OR PERFORMING WORK. DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT. CHANGES TO DRAWINGS OR SPECIFICATIONS IS NOT PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED.
3. WORK ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN".
4. THE CONTRACTOR SHALL PERFORM CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITHOUT COMPROMISING THE QUALITY OF THE WORK.
5. COORDINATION OF WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
6. THE CONTRACTOR SHALL PATCH AND REPAIR DAMAGED OR EXPOSED SURFACES AND FENCES DUE TO CONTRACT WORK.
7. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MATERIALS AT NO ADDITIONAL COST TO THE TOWN OF WESTON FOR THE FOLLOWING CONDITIONS:
 - A. EXISTING WORK THAT HAS BEEN REMOVED OR DAMAGED IN ORDER TO PERFORM THE CONTRACT WORK.
 - B. TO FURNISH THE WORK OF THIS CONTRACT IN WORKMANLIKE MANNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
9. THE CONTRACTOR SHALL INCLUDE PREPARATORY AND ASSOCIATED SUPPLEMENTARY WORK TO PROVIDE A COMPLETE AND FINISHED INSTALLATION.
10. WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHMENT OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. PROPOSED SUBSTITUTIONS OF PRODUCTS MUST BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.
11. SIZE OF MASONRY UNITS AND WOOD MEMBERS ON PLANS, ELEVATIONS AND SECTIONS ARE SHOWN AS NOMINAL SIZE.
12. DIMENSIONS ON PLANS ARE INDICATED FROM SURFACE TO SURFACE, EXCLUSIVE OF FINISHES.
13. PROVIDE GUARDS, RAILS, BARRICADES, FENCES, CATCH PLATFORMS, DECKING, NIGHT LIGHTING, ETC., AS REQUIRED BY THE TOWN OF WESTON BUILDING CODE AND AS REQUIRED TO PROVIDE ADEQUATE PROTECTION.
14. THE CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
15. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR REQUIRED INSPECTIONS, PERMIT(S), FEES, LICENSE AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
16. THERE WILL BE NO CHANGE IN USE, EGRESS OR OCCUPANCY BECAUSE OF THE WORK OF THIS CONTRACT.
17. ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DOCUMENTS.
18. THE CONTRACTOR WILL BE PROVIDED WITH ELECTRONIC TOPOGRAPHIC SURVEY AND CONSTRUCTION PLANS FOR DEVELOPMENT OF A CERTIFIED HORIZONTAL CONTROL PLAN TO BE PREPARED BY LAND SURVEYOR AND SUBMITTED TO THE RESIDENT LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING THROUGHOUT THE DURATION OF THE PROJECT IN COMPLIANCE WITH THE PLANS AND CERTIFIED HORIZONTAL CONTROL PLAN.

SURVEY NOTES

THE SURVEY IS BASED ON THE TOWN OF WESTON SUPPLIED SURVEY PERFORMED BY STALKER LAND SURVEYING INC. AND DATED 8/31/22 SUPPLEMENTED WITH AS BUILT DRAWINGS PROVIDED BY THE TOWN OF WESTON.

1. THE SURVEY IS FOR REFERENCE ONLY.
2. LOCATIONS, EXTENT AND SIZES OF UNDERGROUND UTILITIES AND SUBSTRUCTURES HAVE BEEN DETERMINED FROM RECORD INFORMATION, SUPPLEMENTED BY DATA OBTAINED IN THE FIELD. ACCURACY OF THIS UTILITY DATA IS NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES AND SUBSTRUCTURES, WHETHER FUNCTIONAL OR ABANDONED, ARE SHOWN ON THIS MAP. VERIFICATION OF SIZE OF PIPE, DIRECTION OF FLOW, PIPE INVERT AND LOCATION IS MANDATORY BEFORE THE START OF CONSTRUCTION.
3. INFORMATION ON THE SURVEY THAT PERTAINS TO THE PROPERTY LINE IS FOR REFERENCE ONLY.
4. "ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S BLUE INKED OR EMBOSSED SEAL SHALL BE CONSIDERED TO BE A TRUE VALID COPY".
5. "UNAUTHORIZED ALTERATIONS OR ADDITION TO A LAND SURVEYING DRAWING BEARING A LICENSED PROFESSIONAL LAND SURVEYOR'S SEAL IS A VIOLATION OF CONNECTICUT STATE LAW.
6. CONSULT WITH TOWN OF WESTON PARKS AND RECREATION BEFORE DESIGNING, INSTALLING OR MODIFYING NEW OR EXISTING CURBS, WALKS OR ROADWAYS IN THE STREETS SHOWN HEREON.
7. SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FROM VARIOUS TOWN DEPARTMENTS AND/OR PRIVATE UTILITY COMPANIES. THE SUPPLIER OF THE SURVEYOR DOES NOT CERTIFY AS TO THE ACCURACY OR COMPLETENESS OF THIS DATA AND USERS OF THIS SURVEY AGREE TO HOLD THE TOWN SURVEYOR HARMLESS FOR SAME. THE LOCATION OF SAID UTILITIES SHOULD BE CONSIDERED APPROXIMATE AND MUST BE CONFIRMED BY THE USER OF THIS SURVEY PRIOR TO CONSTRUCTION.
8. NO SUBSURFACE UTILITY INFORMATION WITHIN THE PROPERTY IS SHOWN. **CONTACT "CALL BEFORE YOU DIG 811" TO HAVE ALL SUBSURFACE UTILITY INFORMATION WITHIN THE PROPERTY MARKED OUT PRIOR TO CONSTRUCTION.** THE SUPPLIER OF THE SURVEYOR WILL NOT BE LIABLE OR HELD RESPONSIBLE FOR DAMAGES TO SUBSURFACE UTILITIES EITHER WITHIN OR OUTSIDE THE SURVEYED PROPERTY DUE TO CONSTRUCTION.

SURVEY NOTES

8. SURVEYED PROPERTY DUE TO CONSTRUCTION.
9. THE USER OF THE SURVEY EXPRESSLY UNDERSTANDS AND AGREES THAT THE SURVEYOR MAKES NO CLAIM AND DOES NOT GUARANTEE THAT THE UTILITIES SHOWN HEREON ARE PUBLIC OR THAT ANY PROPERTIES SHOWN ON THIS SURVEY WILL BE ABLE TO CONNECT TO SAME.
10. THE OFFSETS OR DIMENSIONS SHOWN FROM THE STRUCTURES TO THE PROPERTY LINES ARE FOR A SPECIFIC PURPOSE AND USE AND THEREFORE ARE NOT INTENDED TO GUIDE THE ERECTION OF SITE IMPROVEMENTS AND OTHER CONSTRUCTION.
11. THE EXISTENCE OF RIGHT OF WAYS AND/OR EASEMENTS OF RECORD, IF ANY, NOT SHOWN ARE NOT CERTIFIED.
12. WILLIAM KENNY ASSOCIATES LLC TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE SURVEY.

SITE ACCESS & STAGING

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN UNIMPEDED FIRE EGRESS ROUTES IN ACCORDANCE WITH APPLICABLE TOWN CODES.
2. CONTRACTOR SHALL CONFIRM PEDESTRIAN AND VEHICULAR CIRCULATION REQUIREMENTS WITH THE TOWN PARKS AND RECREATION DIRECTOR ADMINISTRATIVE STAFF PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY FENCE AND GATE WORK, AS WELL AS WORK RELATING TO ALTERATIONS TO EXISTING FENCING FOR ACCESS AND STAGING PURPOSES. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING FENCING AND GATES TO ORIGINAL CONDITION AFTER COMPLETION OF CONSTRUCTION ACTIVITIES.
4. REFER TO SPECIFICATION SECTIONS 01300 PROJECT CONDITIONS AND 02100 SITE PREPERATION.

SITE SAFETY & PROTECTION NOTES

1. CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT FOR REVIEW A SITE SAFETY PLAN(S). THE PLAN(S) SHALL BE COMPLETE, REFLECTING THE ENTIRE SITE AND SHALL SHOW ANY PHASED PROTECTION.
2. THE SITE SAFETY PLAN(S) SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, NOTES, FENCES, EGRESS, SCAFFOLDING, FIRE PROTECTION ETC. THEY SHOULD ADDRESS POTENTIAL INTERACTION BETWEEN THE GENERAL PUBLIC AND EXPOSURE TO THE CONSTRUCTION PROCESS.
3. SEE SPECIFICATION 01300 FOR TEMPORARY FACILITIES AND CONTROLS DETAILS.
4. NO WORK IS TO PROCEED UNTIL SITE SAFETY PLANS ARE APPROVED BY THE LANDSCAPE ARCHITECT.

GRADING NOTES:

1. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN ON THE PLANS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT. WORK SHALL NOT PROCEED UNTIL THE DISCREPANCY IS RESOLVED AND WRITTEN APPROVAL FROM BOTH THE OWNER AND LANDSCAPE ARCHITECT IS OBTAINED.
2. MODIFICATIONS TO THE PROPOSED GRADING AS SHOWN ON THESE PLANS MUST BE APPROVED, IN WRITING, BY THE LANDSCAPE ARCHITECT.
3. LOCATION OF EXISTING DRAINAGE STRUCTURES AND PIPES ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD-VERIFY LOCATIONS AND NOTIFY THE LANDSCAPE ARCHITECT OF DISCREPANCIES.
4. NEW PAVEMENTS SHALL MEET EXISTING PAVEMENTS TO REMAIN FLUSH WITHOUT LEAVING AREAS WHERE WATER CAN PUDDLE OR BECOME TRAPPED.
5. CURBS SHALL BE FLUSH WITH SURROUNDING PAVEMENT UNLESS OTHERWISE NOTED.
6. NEW PAVEMENTS SHALL BE CONSTRUCTED TO THE GRADES SHOWN ON THE PLANS AND SO THAT THEY DO NOT CREATE PONDING OF WATER.
7. SPOT ELEVATIONS ON GRADING PLAN SHALL BE MET GRADUALLY AND ARE SUBJECT TO THE LANDSCAPE ARCHITECT'S APPROVAL.
8. THE USER OF THESE DRAWINGS IS CAUTIONED THAT THE UNDERGROUND UTILITY LOCATIONS ARE NOT GUARANTEED, NOR IS THERE A GUARANTEE THAT EXISTING UTILITIES, WHETHER FUNCTIONAL OR ABANDONED, WITHIN THE PROJECT ARE SHOWN ON THESE DRAWINGS. PRIOR TO ANY WORK CALL "CALL BEFORE YOU DIG" 811.

CONCRETE NOTES

- A. GENERAL
VERIFY FIELD DIMENSIONS BY MEASUREMENT AT THE JOB SITE BEFORE SUBMITTING SHOP DRAWINGS.
- B. CONCRETE - DESIGN
 1. DESIGN OF REINFORCED CONCRETE MEMBERS IS IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATIONS SECTION 033000 AND SECTION 321316.
 2. CONCRETE WORK - MIXES, INSPECTIONS, AND FORMWORK - SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS SECTION 033000.
 3. PROPORTION, BATCH, AND MIX CONCRETE IN ACCORDANCE WITH SECTION 03300. PROPORTION CONCRETE MIX IN ACCORDANCE WITH SECTION 033000. MIXES SHALL HAVE INCLUDED ADMIXTURES THAT WILL BE USED DURING THIS CONSTRUCTION.
 4. THE METHOD FOR CONVEYING CONCRETE TO THE PLACE OF DEPOSIT SHALL COMPLY WITH SECTION 033000.

PLANTING NOTES:

1. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN ON THE PLANS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT. WORK SHALL NOT PROCEED UNTIL THE DISCREPANCY IS RESOLVED AND WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT IS OBTAINED.
2. NOTIFY THE LANDSCAPE ARCHITECT, IN WRITING, OF DRAINAGE CONDITIONS DETRIMENTAL TO THE GROWTH OF PLANTS, PRIOR TO PLANTING.
3. PLANTS SHALL BE FRESHLY DUG; NEITHER HEELED-IN PLANTS NOR PLANTS FROM COLD STORAGE WILL BE ACCEPTED.
4. PLANT SIZES SPECIFIED ARE TO BE CONSIDERED MINIMUM. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF DISCREPANCIES.
5. PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT UNACCEPTABLE PLANT MATERIAL ON OR AFTER DELIVERY TO THE SITE.
6. TOPSOIL SHALL BE FREE OF SOIL-BORNE DISEASE AND PESTS, AS WELL AS WEED SEEDS.
7. PLANTING SHALL BE MULCHED WITH SHREDDED HARDWOOD MULCH IMMEDIATELY AFTER PLANTING. MULCH SHALL BE FREE OF INJURIOUS SUBSTANCE AND DEBRIS. MULCH SHALL BE SPREAD TO THE DEPTHS INDICATED ON THE DRAWINGS. MULCH SHALL BE REPLENISHED OVER THE LIFE OF THE PROJECT AND PRIOR TO HAND-OVER OF SITE TO CLIENT TO SATISFACTION OF LANDSCAPE ARCHITECT.
8. PLANTS SHALL BE IN ACCORDANCE WITH ANSI Z60.1 (LATEST ADDITION) FOR THE SIZES AND SPECIES INDICATED.

MATERIALS NOTES

1. SEE SPECIFICATIONS.
2. BEFORE COMMENCING CONSTRUCTION, PHOTOGRAPH EXISTING SITE CONDITIONS, INCLUDING, BUT NOT LIMITED TO GATES, FENCES, CURBS, DRAINAGE STRUCTURES, WALLS, BUILDING FACADES, THRESHOLDS, AND PLANT MATERIAL. EXISTING SITE ELEMENTS TO REMAIN SHALL BE RETURNED TO FOUND CONDITION AT CONTRACTOR'S EXPENSE.
3. BEFORE COMMENCING CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND SITE CONDITIONS.
4. SEE PLAN SHEETS FOR ADDITIONAL NOTES.

DEMOLITION NOTES:

1. EXISTING OR BELOW GRADE ELEMENTS THAT ARE NOT INDICATED ON THE DRAWINGS WHICH POTENTIALLY CONFLICT WITH DEMOLITION WORK SHALL IMMEDIATELY BE BROUGHT TO THE LANDSCAPE ARCHITECT'S ATTENTION BEFORE PROCEEDING FURTHER.
2. NO DANGEROUS CONDITIONS SHALL BE LEFT WITHOUT APPROPRIATE BARRIERS, HAZARD WARNINGS OR INDICATORS IN FULL COMPLIANCE WITH GOVERNING CODES AND REGULATIONS.
3. PAVEMENT, CURBS, WALLS, EXISTING STRUCTURES, OR PLANT MATERIAL NOT INDICATED FOR REMOVAL SHALL BE FULLY PROTECTED FROM DAMAGE DURING THE DEMOLITION PROCESS. DAMAGE OCCURRING AS A RESULT OF NEGLIGENCE IN NOT FOLLOWING PROPER PROCEDURES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. UNDERGROUND PIPES SHALL BE PROTECTED FROM WEIGHT OF CONSTRUCTION VEHICLES AND EQUIPMENT ONCE PAVEMENT IS REMOVED.
5. HAND EXCAVATION SHALL BE USED WHEN EXCAVATING OR TRENCHING WITHIN DRILINE OF EXISTING TREES IN ORDER TO AVOID ROOT DAMAGE. HAND EXCAVATION SHALL BE DONE WITH EXTREME CARE AND WITH MINIMAL IMPACT ON SURROUNDING TREES. WHEN ROOTS LARGER THAN 1 INCH DIAMETER ARE ENCOUNTERED WHEN EXCAVATING, THE CONDITION SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. ROOTS TO BE CUT SHALL BE CUT CLEANLY, AND PERPENDICULAR TO ROOT GROWTH. EXPOSED ROOTS SHALL BE KEPT MOIST WITH BURLAP COVERING UNTIL SOIL IS REPLACED. NO VEHICLES SHALL PARK OR DRIVE BENEATH THE DRIP LINE OF TREES. MATERIAL STORAGE AND STOCKPILING OF DEBRIS BENEATH THE DRIP LINE OF TREES IS PROHIBITED. IF VEHICLES MUST DRIVE BENEATH THE DRIP LINE OF TREES, A 6 INCH LAYER OF WOOD CHIPS SHALL BE PLACED AND MAINTAINED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO PROTECT THE ROOT ZONE.

CONSTRUCTION SCHEDULE:

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE AN EMAIL CONSTRUCTION SCHEDULE OF WORK THAT IS ANTICIPATED FOR THE FOLLOWING TWO WEEKS BY 3 PM EVERY FRIDAY TO THE LANDSCAPE ARCHITECT.

NOTES:

ANY REPRODUCTION, ALTERATION, OR REPRINTING WITHOUT THE SURVEYOR'S KNOWLEDGE AND APPROVAL, WILL VOID ANY CERTIFICATIONS, AND NO LIABILITY SHALL BE ASSUMED BY THE SURVEYOR FOR THE SAME.

THIS MAP NOT VALID WITHOUT THE SURVEYOR'S LIVE SIGNATURE AND EMBOSSED SEAL.

NOT ALL UNDERGROUND UTILITIES, STRUCTURES, AND FACILITIES NOT FIELD LOCATED. THE SIZE, LOCATION, EXISTENCE OR NON-EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES. CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455.

REFERENCE MADE TO SKETCH MAP DRAWN BY CHUCK RUGGIERO, AND PROVIDED TO THIS OFFICE, SHOWING THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES MARKED ON SITE WITH FLAGGING AND PAINT, WHICH WERE FIELD LOCATED BY THIS OFFICE 8/31/22. NO RESPONSIBILITY ACCEPTED BY THIS OFFICE FOR THE ACCURACY OF THE MARKINGS, OR THE OMISSION OF ANY PERTINENT DATA.

REFERENCE MADE TO SKETCH MAP PREPARED BY SO. CONN. GAS CO., JOB # S60607, DATED 9/9/96, SHOWING THE APPROXIMATE LOCATION OF AN UNDERGROUND GAS MAIN NOT FLAGGED IN THE FIELD.

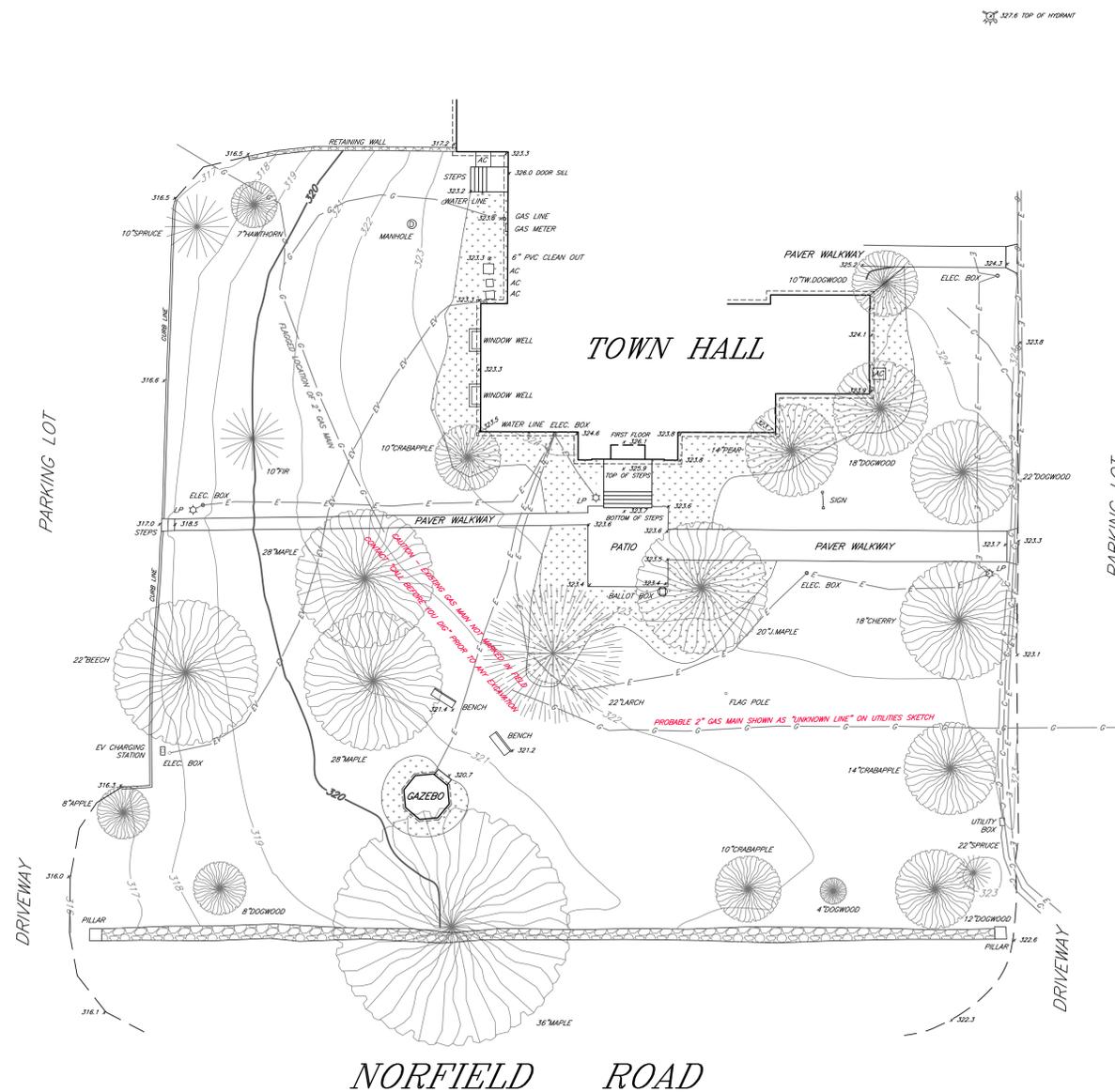
REFERENCE MADE TO SKETCH MAP PREPARED BY SO. CONN. GAS CO., TITLED "SCHOOL RD., WESTON, MAIN ON PRIV. PROP., TOWN HALL COMPLEX" SHOWING THE APPROXIMATE LOCATION OF AN UNDERGROUND GAS MAIN NOT FLAGGED IN THE FIELD.

ENCROACHMENTS, IF ANY, NOT LOCATED FOR THE PURPOSE OF THIS SURVEY.

THE PURPOSE OF THIS SURVEY IS TO SHOW TOPOGRAPHIC FEATURES.

DATUM: NAVD88 (COMPUTED USING GEOID18 VIA NGS OPUS-RS SOLUTION)
CONTOUR INTERVAL: 1 FOOT.

LEGEND	
LIGHT POLE	LP ☉
MANHOLE	⊕
ELECTRICAL CONNECTION BOX	⊕ ELEC. BOX
FLAGGED UNDERGROUND ELECTRIC LINE	E
FLAGGED UNDERGROUND EV CHARGER LINE	EV
FLAGGED UNDERGROUND GAS LINE	G
FLAGGED UNDERGROUND COMMUNICATION LINE	C
CONTOUR - MAJOR	320
CONTOUR - MINOR	315
SPOT ELEVATION	324.4
EDGE OF PAVEMENT	---
PLANTING BED	○



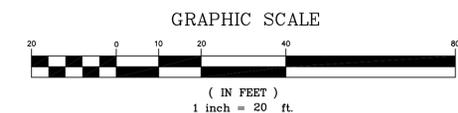
THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996, AMENDED OCTOBER 26, 2018.

SURVEY TYPE: TOPOGRAPHIC LOCATION SURVEY
BOUNDARY DETERMINATION CATEGORY: RESURVEY
CLASS OF ACCURACY: T-2

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

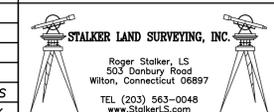
Roger Stalker
ROGER A. STALKER, LS # 70009 PDF COPY

TOPOGRAPHIC SURVEY
56 NORFIELD ROAD
ZONE: C
WESTON, CONNECTICUT
PREPARED FOR
TOWN OF WESTON
AUGUST 31, 2022

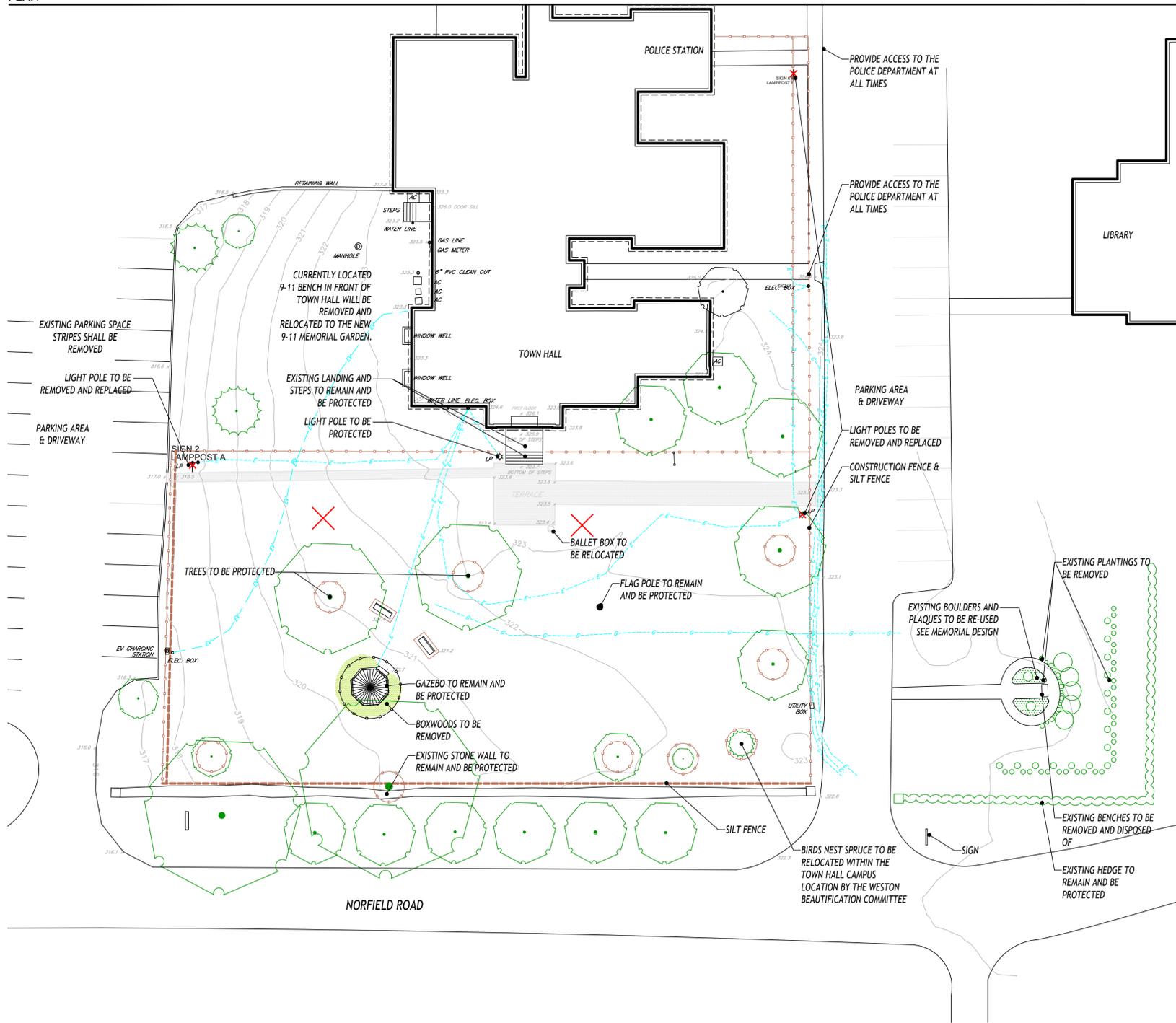


NO.	DATE	DESCRIPTION	BY
1	11-30-22	+ EV CHARGER & 2" GAS MAIN	RAS

DRAWN BY:	RAS	DATE:	8-31-22
CHECKED BY:	RAS	DRAWING NO.:	56 NORFIELD
JOB NO.:	08312022	SHEET	1 OF 1



Roger Stalker, LS
503 Donbury Road
Wilton, Connecticut 06897
TEL (203) 563-0048
www.StalkerLS.com



LEGEND

- EXISTING CONTOUR
- EXISTING SPOT GRADE
- EXISTING WALL TO REMAIN AND BE PROTECTED
- EXISTING UTILITY
- EXISTING TREE TO REMAIN & BE PROTECTED SEE TREE PROTECTION DETAIL ON SHEET ***
- EXISTING TREE STUMP TO BE REMOVED
- PROPOSED CONSTRUCTION & SILT FENCE
- PROPOSED SILT FENCE
- EXISTING CONCRETE WALK & TERRACE TO BE REMOVED
- EXISTING BENCHES (SITE FURNISHING) TO BE PROTECTED AND/OR RELOCATED. METAL LEGS TO BE STORED ON TOWN PROPERTY.
- EXISTING LIGHT POLE TO BE PROTECTED
- EXISTING LIGHT POLE TO BE REMOVED

- GENERAL NOTES**
- MATERIALS SCHEDULED FOR REMOVAL SHALL BE DISPOSED OF IN A LEAGUE MANOR
 - IF IN THE PROCESS OF SITE PREPARATION THE CONTRACTOR UNCOVERS LARGE STONES OR BOULDERS, THE TOWN OF WESTON RESERVES THE RIGHT TO USE THEM ON SITE AT NO ADDITIONAL COST.

WILLIAM KENNY ASSOCIATES
 LANDSCAPE ARCHITECTURE ■ ECOLOGICAL SERVICES
 1899 Bronson Road Fairfield CT 06824
 203 366 0588 www.wkassociates.net

PROJECT:
WESTON TOWN GREEN

OWNER / CLIENT:
WESTON BEAUTIFICATION COMMITTEE
 56 NORFIELD ROAD
 WESTON, CT

DESIGN ARCHITECT:
THIEL ARCHITECTURE + DESIGN
 1480 POST ROAD EAST 5A
 WESTPORT, CT

HORTICULTURAL DESIGNER:
KARIN'S GARDEN DESIGN
 14 STONEHENGE ROAD
 WESTON, CT

MEMORIAL DESIGNER:
JULIE HANSELMANN DAVIES
 57 PARK TERRACE EAST B27
 NEW YORK, NY

ELECTRICAL ENGINEER:
SG ENGINEERING
 56 FOXCROFT COURT
 SOUTHTON, CT

PROGRESS ISSUE:
 1 ISSUED FOR BID 02/10/2023

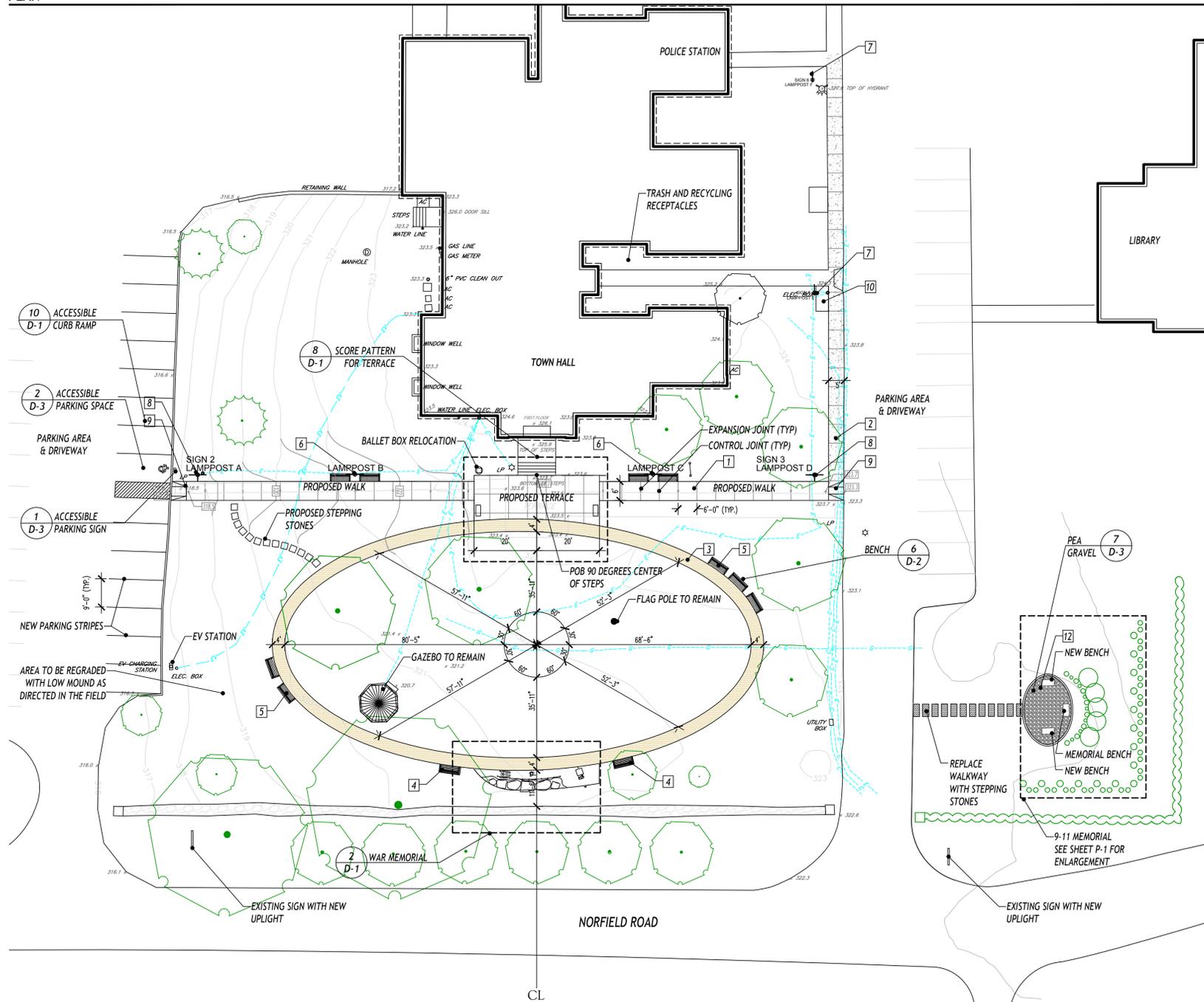
KEY PLAN:

SCALE: 1/8" = 1'-0" 1/4" = 1'-0" 1/2" = 1'-0"
 SEAL:

SHEET TITLE:
DEMO PLAN

SHEET NUMBER:
L-1

REF. NO. 5396



MATERIALS LEGEND

	EXISTING CONTOUR
	EXISTING SPOT GRADE
	PROPOSED CONTOUR
	PROPOSED SPOT GRADE
	EXISTING WALL
	EXISTING UTILITY
	1 BLUESTONE PAVEMENT SCORED CONCRETE
	2 SCORED CONCRETE PAVING
	3 PERMADRIVE PAVING
	4 RELOCATED BENCH
	5 NEW BENCH
	6 POST LIGHT WITH BANNER ARMS
	7 LAMP POST WITH SIGN
	8 POST LIGHT WITH BANNER ARMS AND SIGN
	9 HANDICAP RAMP
	10 TRASH AND RECYCLING RECEPTACLES ON 4'X8' CONCRETE PAD
	11 BICYCLE RACK ON 6'X10' CONCRETE PAD
	12 PEA GRAVEL

GENERAL NOTES

1. FINAL LOCATION OF LIGHTS, GFCI OUTLETS, BENCHES AND RELOCATED BENCHES APPROVED BY LANDSCAPE ARCHITECT.
2. SEE SHEET E-2 FOR ELECTRIC PLAN.

PROJECT:

WESTON TOWN GREEN

OWNER / CLIENT:

WESTON BEAUTIFICATION COMMITTEE

56 NORFIELD ROAD
WESTON, CT

DESIGN ARCHITECT:

THIEL ARCHITECTURE + DESIGN

1480 POST ROAD EAST 5A
WESTPORT, CT

HORTICULTURAL DESIGNER:

KARIN'S GARDEN DESIGN

14 STONEHENGE ROAD
WESTON, CT

MEMORIAL DESIGNER:

JULIE HANSELMANN DAVIES

57 PARK TERRACE EAST B27
NEW YORK, NY

ELECTRICAL ENGINEER:

SG ENGINEERING

56 FOXCROFT COURT
SOUTHINGTON, CT

PROGRESS ISSUE:

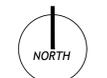
1 ISSUED FOR BID

02/10/2023

KEY PLAN:

SCALE: 1/8" = 1'-0" 1/4" = 1'-0" 1/2" = 1'-0"

SEAL:



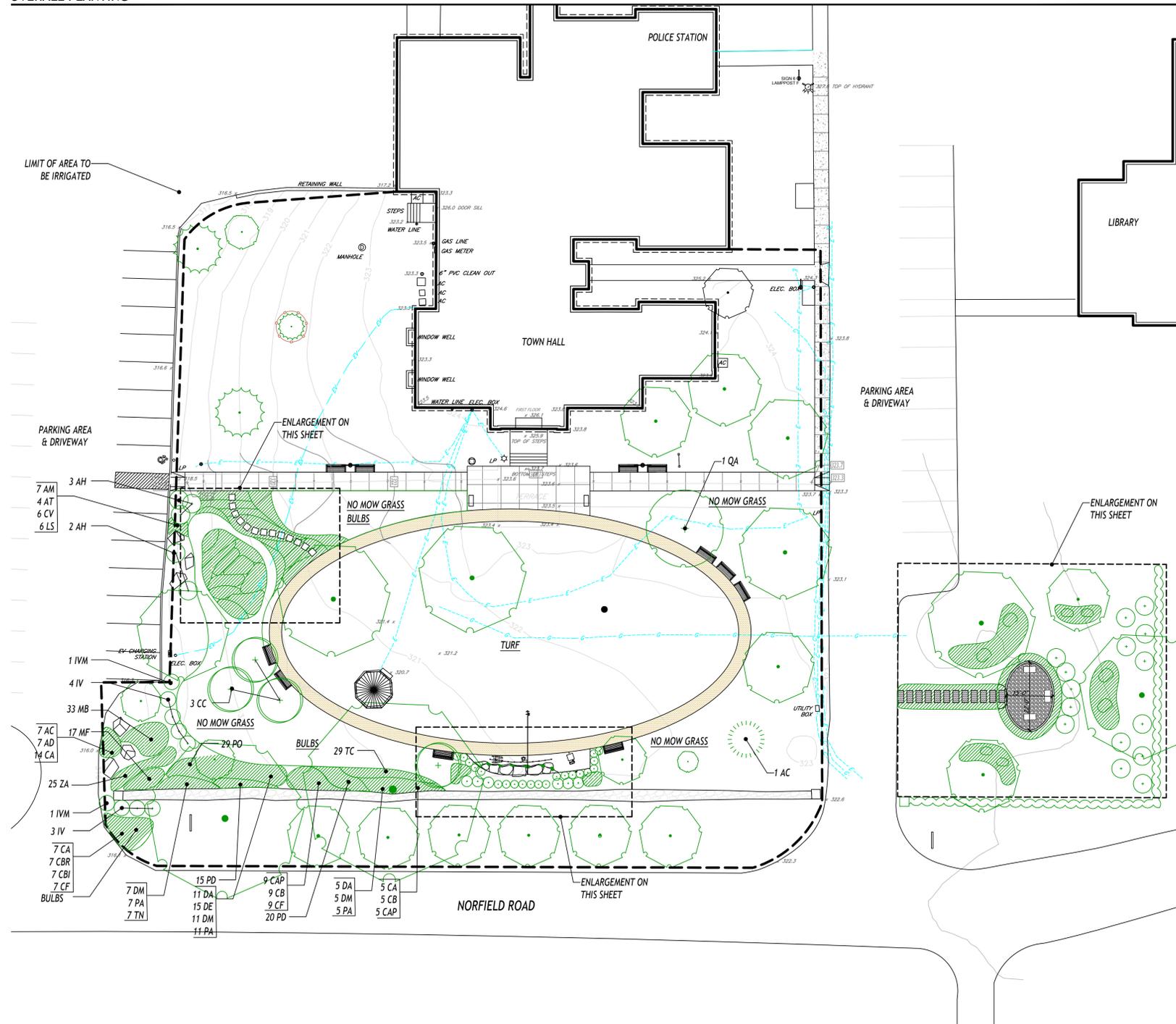
SHEET TITLE:

**LAYOUT, MATERIALS,
& GRADING PLAN**

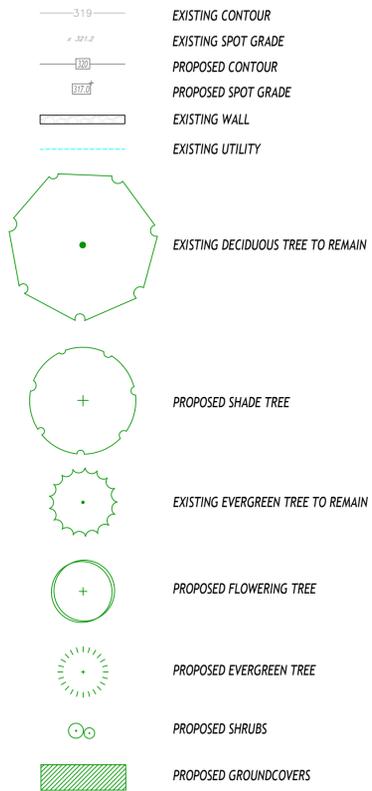
SHEET NUMBER:

L-2

OVERALL PLANTING

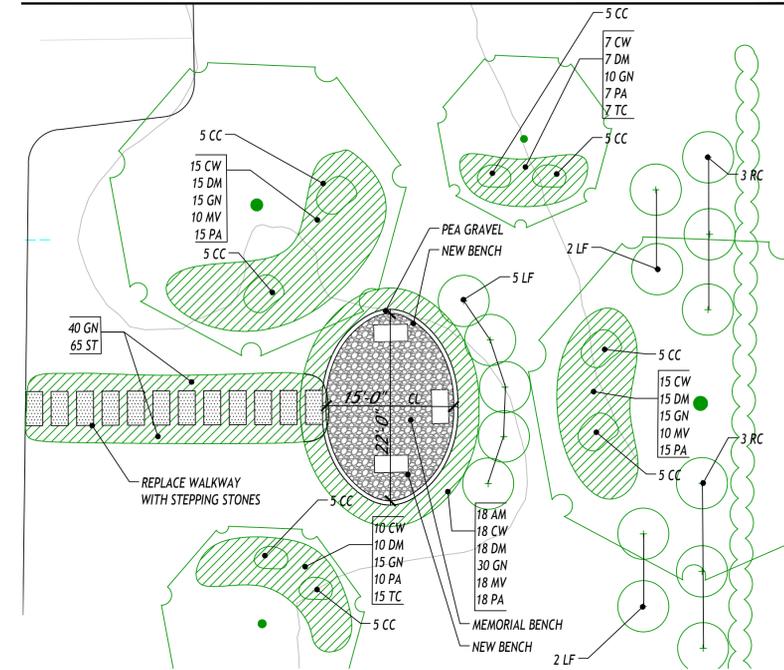


LEGEND



9-11 MEMORIAL PLANTING PLAN DETAIL

SCALE: 10' 15' 110'

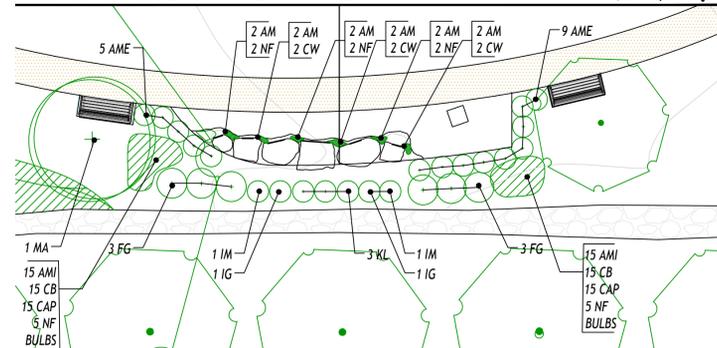


NOTES

- SEE SHEET LE-4 FOR PLANT LIST AND NOTES.
- CENTER MEMORIAL BENCH ON CENTER LINE OF OVAL.

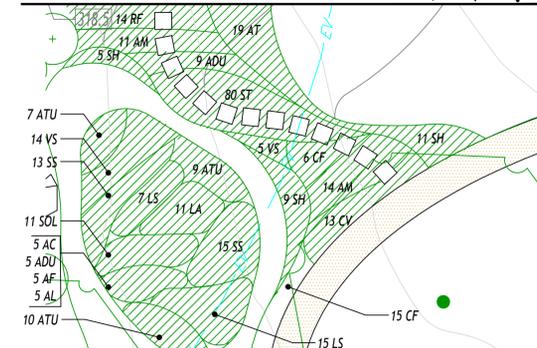
WAR MEMORIAL PLANTING PLAN DETAIL

SCALE: 10' 15' 110'



POLLINATOR PLANTING PLAN DETAIL

SCALE: 10' 15' 110'



WILLIAM KENNY ASSOCIATES

LANDSCAPE ARCHITECTURE ■ ECOLOGICAL SERVICES

1899 Bronson Road Fairfield CT 06824
203 366 0588 www.wkassociates.net

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WESTON TOWN GREEN

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ELECTRICAL ENGINEER:

SG ENGINEERING

56 FOXCROFT COURT
SOUTHINGTON, CT

PROGRESS ISSUE:

1 ISSUED FOR BID

02/10/2023

KEY PLAN:

SCALE: 10' 10' 120'

SEAL:



SHEET TITLE:

PLANTING PLAN

SHEET NUMBER:

P-1

REF. NO. 5396

PLANT LIST: PERENNIAL GARDEN

SYM.	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT
PROPOSED SHRUBS					
IV	4	ILEX VERTICILLATA 'SPRITE'	SPRITE WINTERBERRY	2'-3' HT.	CONTAINER
IVM	1	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WINTERBERRY	2'-3' HT.	CONTAINER
TOTAL	5				
PROPOSED PERENNIAL, GRASSES, AND FERNS					
AM	32	ACHILLEA MILLEFOLIUM 'HELLA GLASHOFF'	HELLA GLASHOFF YARROW	1 GAL.	CONTAINER
AF	5	AGASTACHE 'BLUE FORTUNE'	BLUE FORTUNE HYSOP	1 GAL.	CONTAINER
AH	5	AMSONIA HUBRECTII	BLUESTAR	1 GAL.	CONTAINER
AT	4	ANDROPOGON TERNARIUS	BLACK MOUNTAIN BLUESTEM	1 GAL.	CONTAINER
ATU	26	ASCLEPIAS TUBEROSA	MILKWEED	1 GAL.	CONTAINER
AC	5	ASTER CORDIFOLIUS 'LITTLE CARLOW'	LITTLE CARLOW ASTER	1 GAL.	CONTAINER
ADU	14	ASTER DUMOSUS	WOODS BLUE	1 GAL.	CONTAINER
AF	5	ASTER FRIKARTLI 'MONCH'	MONCH ASTER	1 GAL.	CONTAINER
AL	5	ASTER LAEVIS	SMOOTH ASTER	1 GAL.	CONTAINER
CF	21	CAREX FLACCOSPERRMA	BLUE WOOD SEDGE	2 QUART.	CONTAINER
CV	19	COREOPSIS VERTICILATA 'ZAGREB'	ZAGREB TICKSEED	1 GAL.	CONTAINER
DC	10	DESCHAMPsia CEPITOSA 'GOLDTAU'	GOLDTAU TUFTED HAIRGRASS	1 GAL.	CONTAINER
LA	28	LIATRIS ASPERA	ROUGH BLAZING STAR	1 GAL.	CONTAINER
LS	15	LIATRIS SPICATA	DENSE BLAZING STAR	1 GAL.	CONTAINER
RF	14	RUDEKIA FULGIDA VAR FULGIDA	BLACK-EYED SUSAN	1 GAL.	CONTAINER
SS	28	SCHIZACHYRIUM SCOPARIUM	BLUEGRASS	1 GAL.	CONTAINER
SH	25	SPOROBOLUS HETEROLEPIS	RAIRIE DROPSEED	1 GAL.	CONTAINER
ST	80	SEDUM TERNATUM	STONECROP	1 GAL.	CONTAINER
VS	19	VERONIA SWAN SONG	IRONWEED	1 GAL.	CONTAINER
TOTAL	360				
SEED MIX					
"NO MOW LAWN SEED MIX WITH RYE" AS PRODUCED BY PRAIRIE NURSERY (WWW.PRAIRIENURSERY.COM). APPLIED AT A RATE OF 5 LBS/700 SQUARE FEET.					

PLANT LIST: OVERALL PLAN

SYM.	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT
PROPOSED SHADE TREE					
QA	1	QUERCUS ALBA	WHITE OAK	2"-2.5" CAL.	B&B
TOTAL	1				
PROPOSED EVERGREEN TREE					
AC	1	ABIES CONCOLOR	WHITE FIR	2"-2.5" CAL.	B&B
TOTAL	1				
PROPOSED SHRUBS					
IV	3	ILEX VERTICILLATA 'SPRITE'	SPRITE WINTERBERRY	2'-3' HT.	CONTAINER
IVM	1	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WINTERBERRY	2'-3' HT.	CONTAINER
TOTAL	4				
PROPOSED PERENNIAL, GRASSES, AND FERNS					
AC	7	ASTER CORDIFOLIUS 'LITTLE CARLOW'	LITTLE CARLOW ASTER	1 GAL.	CONTAINER
AD	7	ARUNCUS DIOICUS	GOATSBEAR	1 GAL.	CONTAINER
CA	26	CAREX ALBICANS	WHITE TINGED SEDGE	2 QUART.	CONTAINER
DE	15	DRYOPTERIS ERYTHROSORA 'AUTUMN BRILLIANCE'	BRILLIANCE AUTUMN FERN	1 GAL.	CONTAINER
DM	23	DRYOPTERIS MARGINALIS	MARGINAL WOOD FERN	1 GAL.	CONTAINER
PO	29	PACKERA OBOVATA	GROUNDSEL	1 GAL.	CONTAINER
PD	35	PHLOX DIVARICATA	WOODLAND PHLOX	1 GAL.	CONTAINER
PA	23	POLYSTICHUM ACROSTICHOIDES	CHRISTMAS FERN	1 GAL.	CONTAINER
TN	7	THELYPTERIS NOVEBORACENSIS	NEW YORK FERN	1 GAL.	CONTAINER
ZA	25	ZIZIA APTERA	HEART-LEAVED ALEXANDER	1 GAL.	CONTAINER
TOTAL	197				
ANNUALS					
GL	35	GAURA LINDHEIMERI	BEEBLOSSOM	1 GAL.	CONTAINER
VB	35	VERBENA BONARIENSIS	PURPLETOP VERVAIN	1 GAL.	CONTAINER
TOTAL	70				

PLANT LIST: WAR MEMORIAL

SYM.	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT
WAR MEMORIAL PLANTINGS					
PROPOSED TREES					
MA	1	MALUS 'ADIRONDACK'	ADIRONDACK CRABAPPLE	8'-10' HT.	B&B
TOTAL	1				
PROPOSED SHRUBS					
AME	14	ARONIA MELANOCARPA 'LOWSCAPE MOUND'	LOWSCAPE MOUND CHOKECHERRY	2'-3' HT.	CONTAINER
FG	6	FOTHERGILLA GARDENI	DWARF FOTHERGILLA	2'-3' HT.	CONTAINER
IG	2	ILEX GABRA 'SHAMROCK'	SHAMROCK INKBERRY	2'-3' HT.	CONTAINER
IM	2	ILEX X MESERVAE 'CASTLE SPIRE'	CASTLE SPIRE BLUE HOLLY	5'-6' HT.	CONTAINER
KL	3	KALMIA LATIFOLIA	MOUNTAIN LAUREL	2'-3' HT.	CONTAINER
TOTAL	27				
PROPOSED PERENNIALS AROUND BOULDERS					
AM	12	ALLIUM MILLENIUM	ORNAMENTAL ONION	1 GAL.	CONTAINER
CW	6	CAREX WOODII	WHITE TINGED SEDGE	1 GAL.	CONTAINER
NF	6	NEPETA FAASSENI 'PURRSIAN BLUE'	PURRSIAN BLUE CATMINT	1 GAL.	CONTAINER
TOTAL	24				
9/11 MEMORIAL PLANTINGS					
PROPOSED SHRUBS					
LF	9	LEUCOTHOE FONTANESIANA	DROOPING LAUREL	4'-5' HT.	CONTAINER
RC	6	RHODODENDRON 'CUNNINGHAM'S WHITE'	CUNNINGHAM'S WHITE RHODODENDRON	4'-5' HT.	CONTAINER
TOTAL	15				
PROPOSED PERENNIAL, GRASSES, AND FERNS					
AM	18	ALCHEMILLA MOLLIS	LADY'S MANTLE	1 GAL.	CONTAINER
CC	40	CORNUS CANADENSIS	BUNCHBERRY	1 GAL.	CONTAINER
CW	65	CAREX WOODII	WHITE TINGED SEDGE	1 QUART.	CONTAINER
DM	65	DRYOPTERIS MARGINALIS	MARGINAL WOOD FERN	1 GAL.	CONTAINER
MV	38	MERTENSIA VIRGINICA	VIRGINIA BLUEBELLS	1 GAL.	CONTAINER
PA	65	POLYSTICHUM ACROSTICHOIDES	CHRISTMAS FERN	1 GAL.	CONTAINER
TC	22	TIARELLA CORDIFOLIA	FOAM FLOWER	1 GAL.	CONTAINER
ST	65	SEDUM TERNATUM	WOODLAND STONECROP	1 GAL.	CONTAINER
TOTAL	378				
BULBS					
GL	40	GALANTHUS NIVALIS	SNOW DROPS		CONTAINER
TOTAL	40				

PLANT LIST: 9-11 MEMORIAL

SYM.	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT
PROPOSED SHRUBS					
LF	9	LEUCOTHOE FONTANESIANA	DROOPING LAUREL	4'-5' HT.	CONTAINER
RC	6	RHODODENDRON 'CUNNINGHAM'S WHITE'	CUNNINGHAM'S WHITE RHODODENDRON	4'-5' HT.	CONTAINER
TOTAL	15				
PROPOSED PERENNIAL, GRASSES, AND FERNS					
AM	18	ALCHEMILLA MOLLIS	LADY'S MANTLE	1 GAL.	CONTAINER
CC	40	CORNUS CANADENSIS	BUNCHBERRY	1 GAL.	CONTAINER
CW	65	CAREX WOODII	WHITE TINGED SEDGE	1 QUART.	CONTAINER
DM	65	DRYOPTERIS MARGINALIS	MARGINAL WOOD FERN	1 GAL.	CONTAINER
MV	38	MERTENSIA VIRGINICA	VIRGINIA BLUEBELLS	1 GAL.	CONTAINER
PA	65	POLYSTICHUM ACROSTICHOIDES	CHRISTMAS FERN	1 GAL.	CONTAINER
TC	22	TIARELLA CORDIFOLIA	FOAM FLOWER	1 GAL.	CONTAINER
ST	65	SEDUM TERNATUM	WOODLAND STONECROP	1 GAL.	CONTAINER
TOTAL	378				
BULBS					
GL	40	GALANTHUS NIVALIS	SNOW DROPS		CONTAINER
TOTAL	40				

PLANTING NOTES

- PROPOSED TREE AND SHRUB LOCATIONS TO BE ADJUSTED IN FIELD AS NEEDED BASED ON FIELD CONDITIONS.
- PLANT SPACING FOR HERBACEOUS MATERIAL TO BE 24" O.C.
- BOTANICAL NAMES SHALL PREVAIL OVER COMMON NAMES.
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN; NO COLLECTED MATERIALS SHALL BE ACCEPTED, UNLESS SPECIFICALLY INDICATED.
- PLANTS SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS IN ALL WAYS INCLUDING DIMENSIONS.
- THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT ANY PLANT MATERIALS UPON DELIVERY TO THE PROJECT. SELECTION BY THE LANDSCAPE ARCHITECT DOES NOT WAIVE THE RIGHT OF REJECTION.
- ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST OR AS NECESSARY TO MATCH SURVIVING PLANTS OF THE SAME PLANTING GROUP. ALL COSTS SHALL BE BORN BY THE LANDSCAPE CONTRACTOR EXCEPT FOR REPLACEMENTS RESULTING FROM LOSS OR DAMAGE DUE TO VANDALISM OR ACTS OF NEGLIGENCE ON THE PART OF OTHERS. PHYSICAL DAMAGE, BY ANIMALS, VEHICLES, FIRE, ETC., AS MAY BE DETERMINED BY THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIAL SHOULD BE PLACED, OR LOCATION STAKED, ON THE SITE AS SHOWN ON THE PLANTING PLAN PRIOR TO COMMENCEMENT OF PLANT EXCAVATION FOR THE LANDSCAPE ARCHITECT'S APPROVAL. THE CONTRACTOR MUST NOTIFY THE LANDSCAPE ARCHITECT OF ALL PLANTING OPERATIONS A MINIMUM OF 48 HOURS IN ADVANCE.
- ALL PLANT MATERIALS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN OR AS OTHERWISE SPECIFIED. NO CONSTRUCTED BALLS SHALL BE ACCEPTED. REMOVE SYNTHETIC 'BURLAP' AND SYNTHETIC TWINES AND ROPES. REMOVE TOP 1/3 OF METAL BASKETS FROM ROOT BALLS WHEN THE ROOT BALL HAS BEEN POSITIONED IN THE PLANTING PIT. PROVIDE SUPPORT AS NECESSARY TO PROTECT THE ROOT BALL FROM INJURY DURING THIS OPERATION.

IRRIGATION PERFORMANCE SPECIFICATIONS

- SECTION INCLUDES
 - IRRIGATION SYSTEM EIGHT ZONE UNDERGROUND IRRIGATION SYSTEM WITH 2 QUICK COUPLER HOSE BIBS.
 - SYSTEM SHALL INCLUDE ALL LAWN AND PLANT BEDS WITHIN THE PROJECT LIMITS. NOTE THE MEADOW AREA SHALL BE TEMPORARY UNTIL THE MEADOW IS ESTABLISHED.
- RELATED SECTIONS
 - SECTION 02300 - EARTHWORK FOR SUBSTRATE AND GRADING.
- SUBMITTALS
 - SUBMIT UNDER PROVISIONS OF SECTION 01200SUBMITTALS.
 - PRODUCT DATA: MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING:
 - PREPARATION INSTRUCTIONS AND RECOMMENDATIONS
 - STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS
 - INSTALLATION METHODS
 - SHOP DRAWINGS: SUBMIT SHOP DRAWINGS INDICATING MATERIAL CHARACTERISTIC, DETAILS OF CONSTRUCTION, CONNECTIONS, AND RELATIONSHIP WITH ADJACENT CONSTRUCTION.
 - WARRANTY: SUBMIT MANUFACTURERS STANDARD WARRANTY. INCLUDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE MATERIALS. WARRANTY PERIOD: 5 YEARS
 - OPERATION AND MAINTENANCE DATA: SUBMIT MANUFACTURERS OPERATION AND MAINTENANCE DATA, INCLUDING OPERATING INSTRUCTIONS, LIST OF SPARE PARTS AND MAINTENANCE SCHEDULE.

- QUALITY ASSURANCE
 - MANUFACTURERS' QUALIFICATIONS: MINIMUM FIVE YEAR EXPERIENCE MANUFACTURER SIMILAR PRODUCTS.
 - INSTALLER QUALIFICATIONS: MINIMUM 2 YEAR EXPERIENCE INSTALLING SIMILAR PRODUCTS. SHALL BE A EPA WATERSENSE PARTNER.
 - WATER COVERAGE FOR TUF AREAS: 100 PERCENT.
 - WATER COVERAGE FOR PLANTING AREAS: 100 PERCENT
 - TESTING: HYDROSTATIC TEST AT 100 PSI.

- PRE-INSTALLATION MEETINGS
 - CONVENE MINIMUM TWO WEEKS PRIOR TO STARTING WORK OF THIS SECTION.

- DELIVERY, STORAGE, AND HANDLING
 - DELIVER AND STORE PRODUCTS IN MANUFACTURERS UNOPENED PACKAGING BEARING THE BRAND NAME AND MANUFACTURERS IDENTIFICATION UNTIL READY FOR INSTALLATION.
 - HANDLING: HANDLE MATERIALS TO AVOID DAMAGE.

- PROJECT CONDITIONS
 - MAINTAIN ENVIRONMENTAL CONDITIONS(TEMPERATURE, HUMIDITY, AND VENTILATION) WITHIN LIMITS RECOMMENDED BY MANUFACTURER FOR OPTIMUM RESULTS. DO NOT INSTALL PRODUCTS UNDER ENVIRONMENTAL CONDITIONS OUTSIDE MANUFACTURE'S RECOMMENDED LIMITS.

- SEQUENCING
 - ENSURE THAT PRODUCTS OF THIS SECTION ARE SUPPLIED TO AFFECTED TRADES IN TIME TO PREVENT INTERUPPTION OF CONSTRUCTION PROGRESS.

- PART 2: PRODUCTS**
- MANUFACTURERS
 - ACCEPTABLE MANUFACTURERS: TORO COMPANY, HUNDER INDUSTRIES
 - SUBSTITUTIONS: NOT PERMITTED
 - REQUESTS FOR SUBSTITUTIONS WILL BE CONSIDERED IN ACCORDANCE WITH PROVISIONS OF SECTION 01600.

- MATERIALS
 - IRRIGATION SYSTEM:
 - PIPING: PVC PLASTIC.
 - VALVES: CAST BRONZE.
 - BACKFLOW PREVENTERS: CAST BRONZE.
 - SPRINKLER HEADS: SUITABLE FOR SERVICE.
 - AUTOMATIC CONTROL SYSTEM: EXTERIOR LOCATION WITH SOL MOISTER SENSOR.

- PART 3: EXECUTION**
- EXAMINATION
 - DO NOT BEGIN INSTALLATION UNTIL SUBSTRATES HAVE BEEN PROPERLY PREPARED.
 - IF SUBSTRATE PREPARATION IS THE RESPONSIBILITY OF ANOTHER INSTALLER, NOTIFY LANDSCAPE ARCHITECT OF UNSATISFACTORY PREPARATION BEFORE PROCEEDING.

- PREPARATION
 - CLEAN SURFACES THOROUGHLY PRIOR TO INSTALLATION.
 - PREPARE SURFACES USING THE METHODS RECOMMENDED BY THE MANUFACTURER FOR ACHIEVING THE BEST RESULT UNDER THE PROJECT CONDITIONS.
- INSTALLATION
 - PROTECT EXISTING LANDSCAPING FROM DAMAGE. REPAIR AND REPAVE CUT PAVING TO MATCH PAVING IN ORIGINAL CONDITION.
 - INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS & SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS.
 - RESTORE DAMAGED COMPONENTS AND TEST FOR PROPER OPERATION. CLEAN OUT SYSTEM AND PROTECT WORK FROM DAMAGE.
 - INSTRUCT OWNER'S PERSONNEL IN PROPER OPERATION AND MAINTENANCE PROCEDURES.

- PROTECTION
 - PROTECT INSTALLED PRODUCTS UNTIL COMPLETION OF PROJECT.
 - TOUCH-UP, REPAIR, OR REPLACE DAMAGED PRODUCTS BEFORE SUBSTANTIAL COMPLETION.
- END OF SECTION

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56 FOXCROFT COURT
SOUTHINGTON, CT

PROGRESS ISSUE:

1 ISSUED FOR BID 02/10/2023

KEY PLAN:

SCALE: |0' |10' |20'

SEAL:

SHEET TITLE:

PLANTING LIST AND NOTES

SHEET NUMBER:

P-2

PROJECT:

WESTON TOWN GREEN

OWNER / CLIENT:

WESTON BEAUTIFICATION COMMITTEE

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SOUTHINGTON, CT

PROGRESS ISSUE:

1 ISSUED FOR BID

02/10/2023

KEY PLAN:

SCALE: AS NOTED

SEAL:

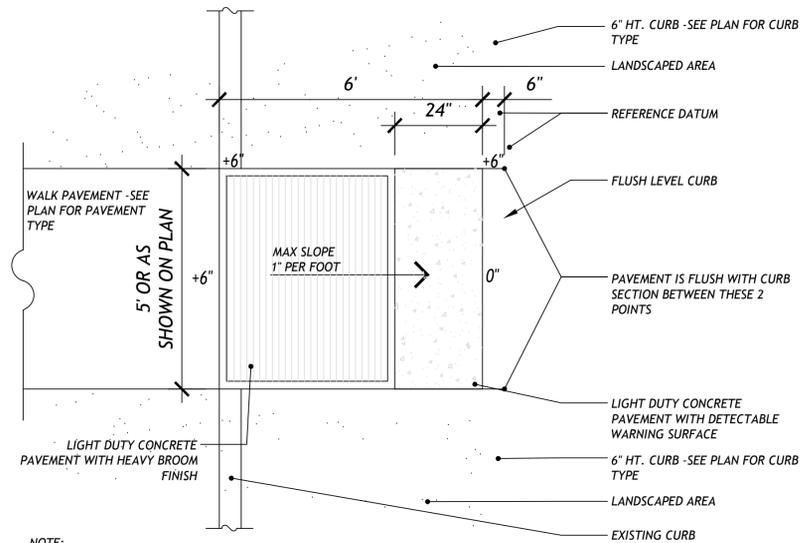
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DETAILS

SHEET NUMBER:

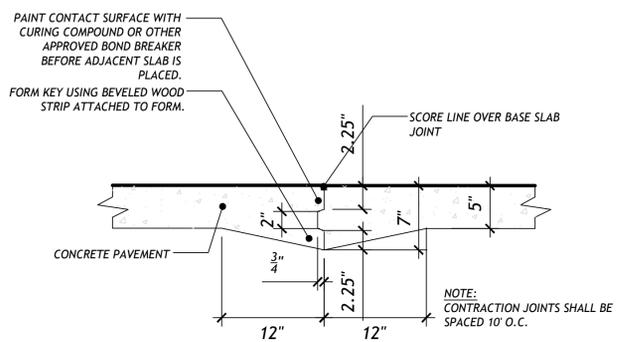
D-1

REF. NO. 5396

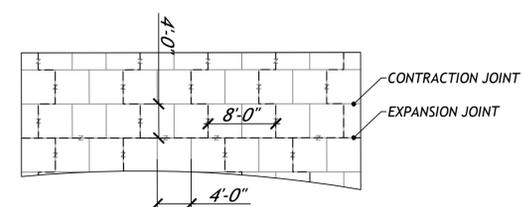


NOTE:
ALL ACCESSIBLE CURB/RAMPS ARE 6" HT UNLESS OTHERWISE NOTED ON GRADING PLANS. -SEE GRADING PLANS FOR SPOT ELEVATIONS

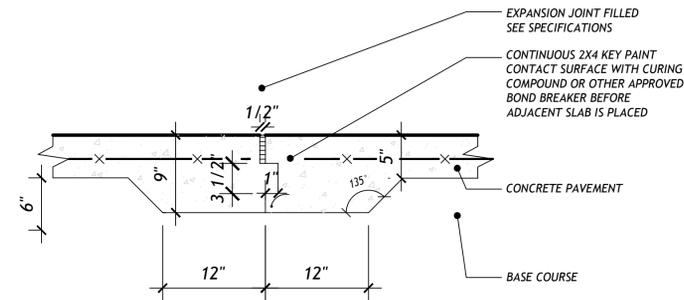
10 ACCESSIBLE CURB RAMP
SCALE: NOT TO SCALE



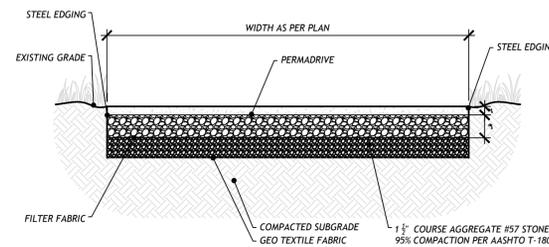
9 CONTRACTION JOINT
SCALE: NOT TO SCALE



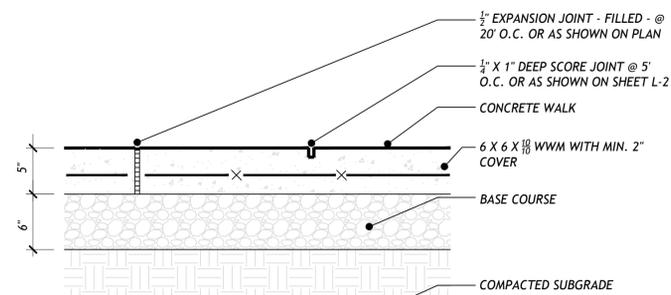
8 SCORE PATTERN FOR TERRACE
SCALE: NOT TO SCALE



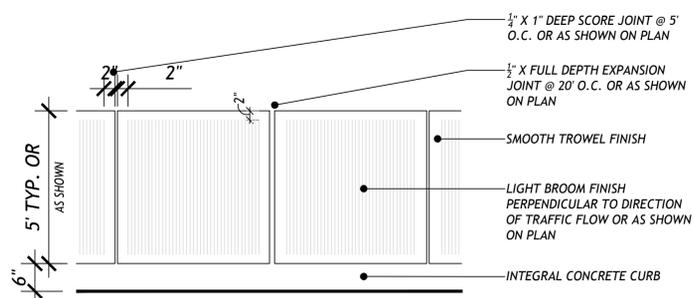
7 EXPANSION JOINT
SCALE: NOT TO SCALE



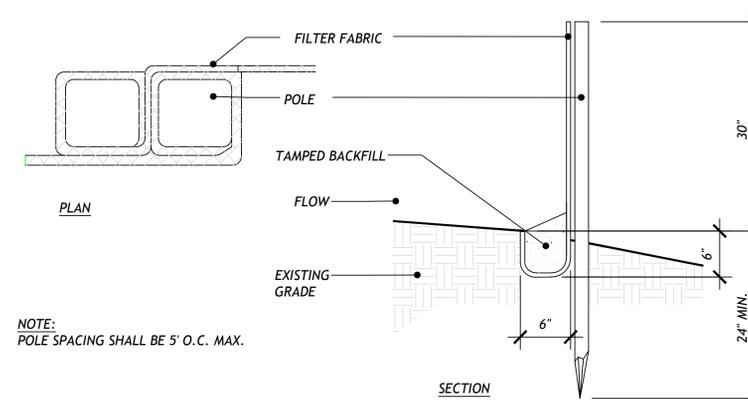
6 POROUS PAVEMENT
SCALE: NOT TO SCALE



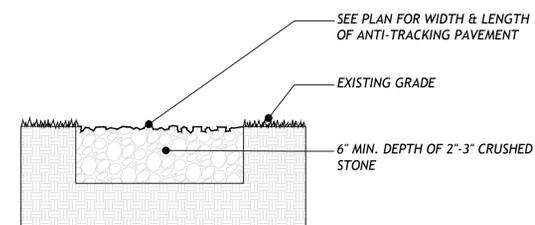
5 LIGHT DUTY CONCRETE PAVEMENT - SECTION
SCALE: NOT TO SCALE



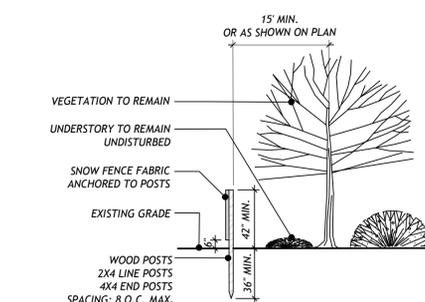
4 LIGHT DUTY CONCRETE PAVEMENT - PLAN
SCALE: NOT TO SCALE



3 SILT FENCE
SCALE: NOT TO SCALE



2 ANTI-TRACKING PAVEMENT
SCALE: NOT TO SCALE



1 TREE PROTECTION DETAIL
SCALE: NOT TO SCALE

PROJECT:

WESTON TOWN GREEN

OWNER / CLIENT:

WESTON BEAUTIFICATION COMMITTEE

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PROGRESS ISSUE:

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KEY PLAN:

SCALE: AS NOTED

SEAL:

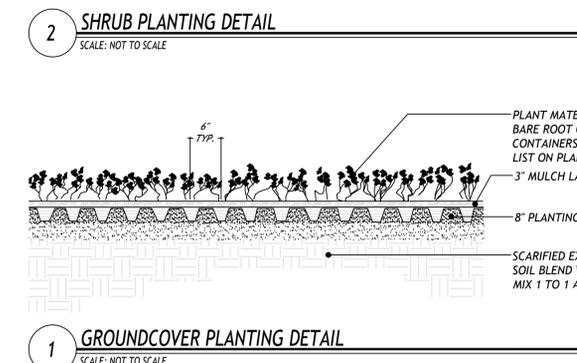
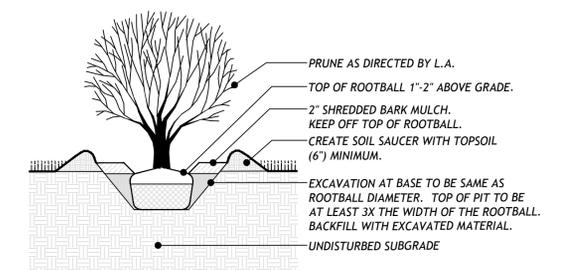
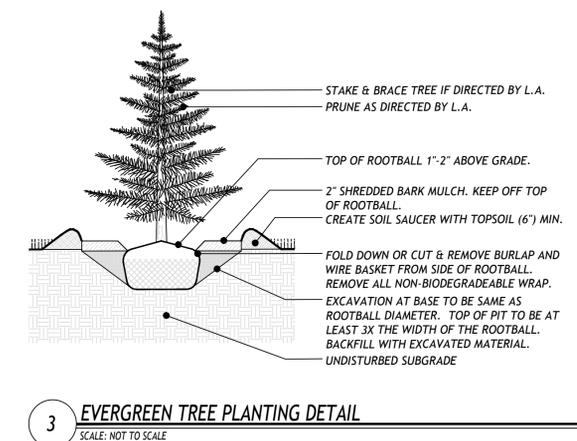
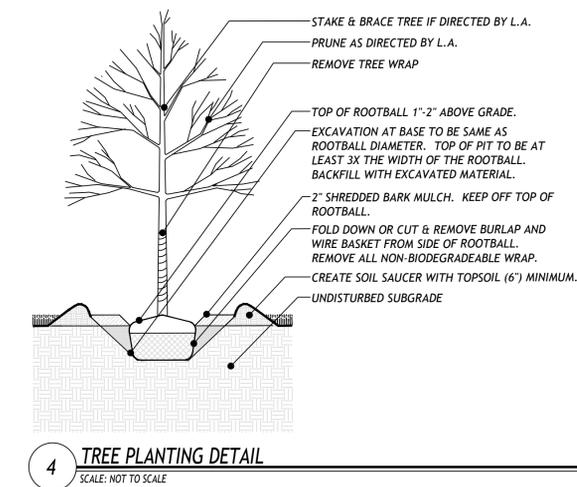
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DETAILS

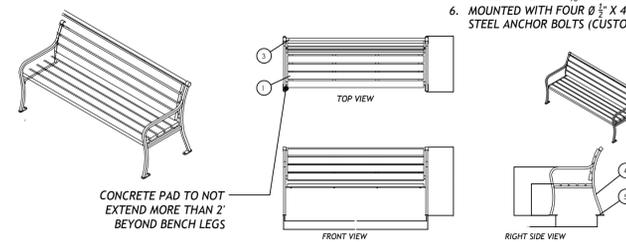
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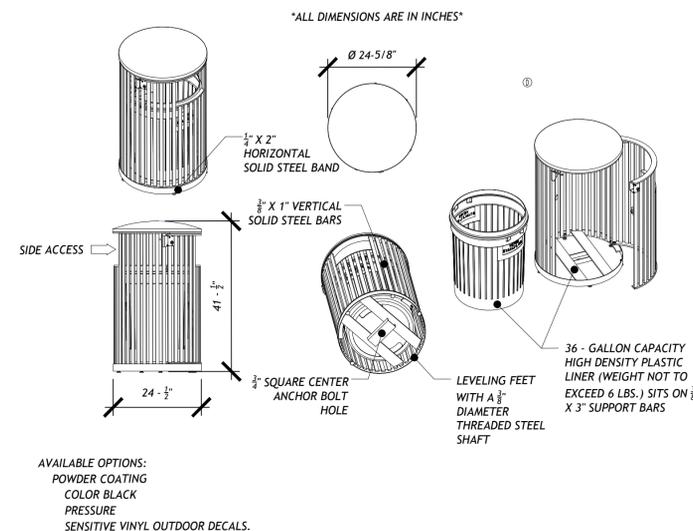
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- MATERIALS LIST
1. SEAT STRAPS - 2" X 4" IPE WOOD SLATS
 2. SEAT SUPPORTS - 1/2" X 1 1/2" STEEL FLAT BAR
 3. SUPPORT PIPES - Ø 1.315" X .133" STEEL PIPE
 4. END UNIT - 1" SQUARE SOLID STEEL BAR
 5. SURFACE MOUNT PLATES 1 1/4" X 1 1/2" STAINLESS STEEL PLATE WITH 1/8" MOUNTING HOLE
 6. MOUNTED WITH FOUR Ø 1/2" X 4-5" STAINLESS STEEL ANCHOR BOLTS (CUSTOMER SUPPLIED)

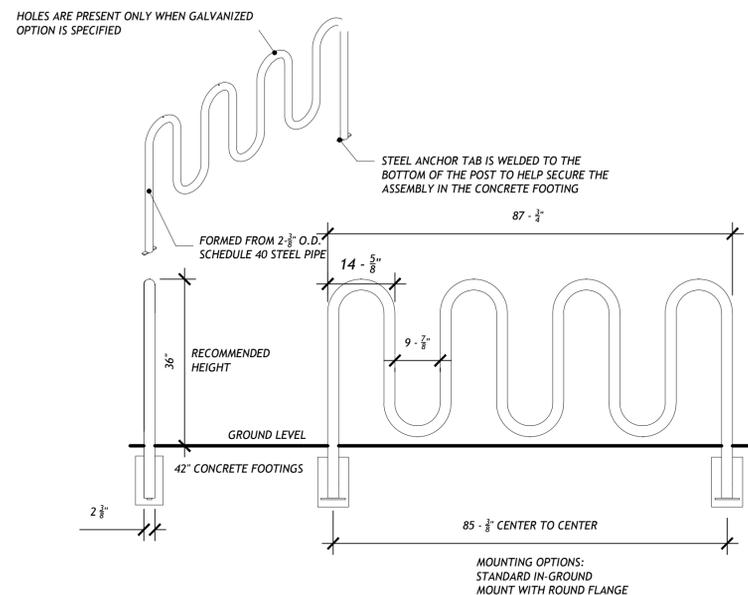


36 - GALLON SIDE DOOR OPENING LITTER RECEPTACLE WITH SIDE ACCESS
SHOWN: STANDARD CONVEX BOLTED LID KEYED LOCK BOX



- NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 3. OIL IMPREGNATED BRONZE BUSHINGS AND STAINLESS STEEL PIVOT PINS FOR DOOR MOVEMENT, STANDARD 3/16" SOLID STEEL LATCH ASSEMBLY OR OPTIONAL PATENTED STAINLESS STEEL KEYED LOCK ASSEMBLY.
 4. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 5. PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
 6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.

5 TRASH RECEPTACLE
SCALE: NOT TO SCALE



- NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PREHEATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 3. THIS SECURE SITE DESIGN, LLC. PRODUCT MUST BE PERMANENTLY AFFIXED IN THE GROUND.
 4. COLOR: BLACK
 5. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE.

7 BIKE RACK
SCALE: NOT TO SCALE

SCALE: NOT TO SCALE

PROJECT:

WESTON TOWN GREEN

OWNER / CLIENT:

WESTON BEAUTIFICATION COMMITTEE

56 NORFIELD ROAD
WESTON, CT

DESIGN ARCHITECT:

THIEL ARCHITECTURE + DESIGN

1480 POST ROAD EAST 5A
WESTPORT, CT

HORTICULTURAL DESIGNER:

KARIN'S GARDEN DESIGN

14 STONEHENGE ROAD
WESTON, CT

MEMORIAL DESIGNER:

JULIE HANSELMANN DAVIES

57 PARK TERRACE EAST B27
NEW YORK, NY

ELECTRICAL ENGINEER:

SG ENGINEERING

56 FOXCROFT COURT
SOUTHINGTON, CT

PROGRESS ISSUE:

1 ISSUED FOR BID

02/10/2023

KEY PLAN:

SCALE: AS NOTED

SEAL:

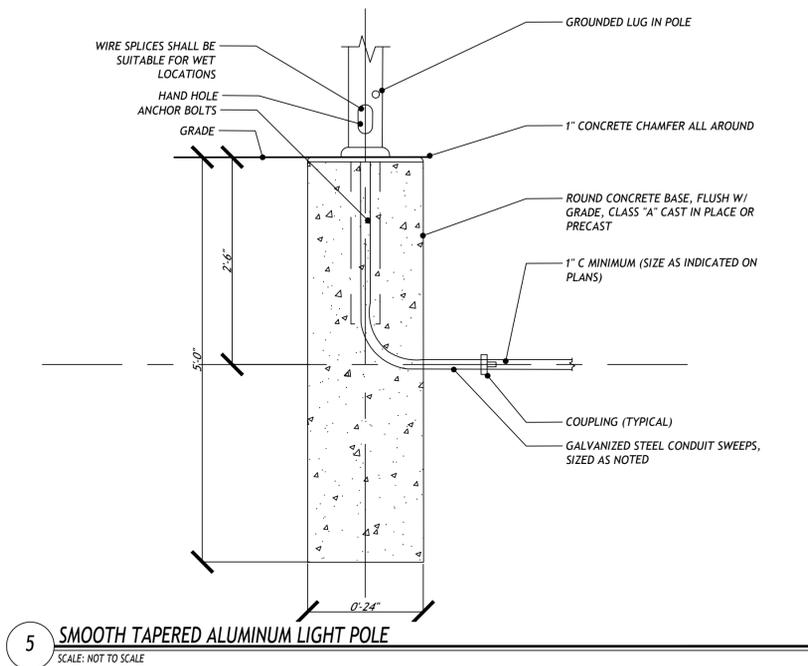
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DETAILS

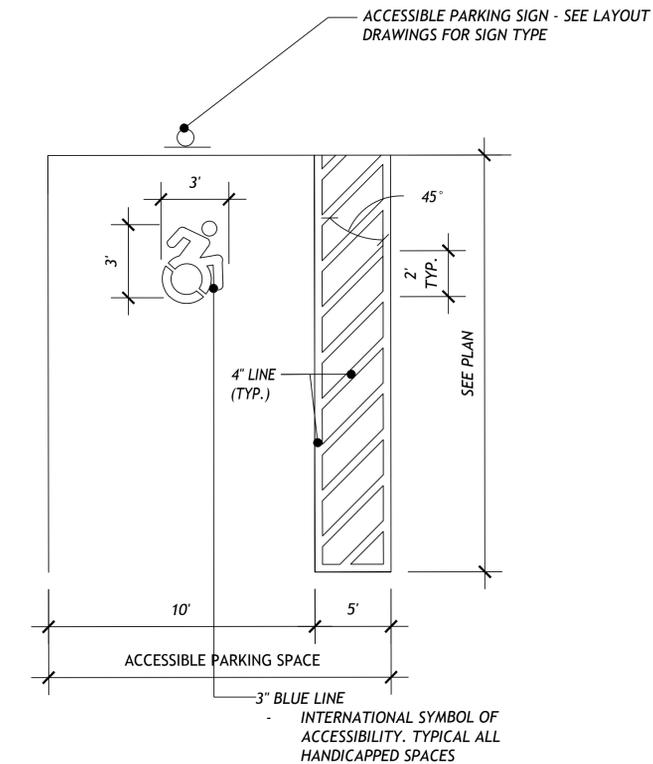
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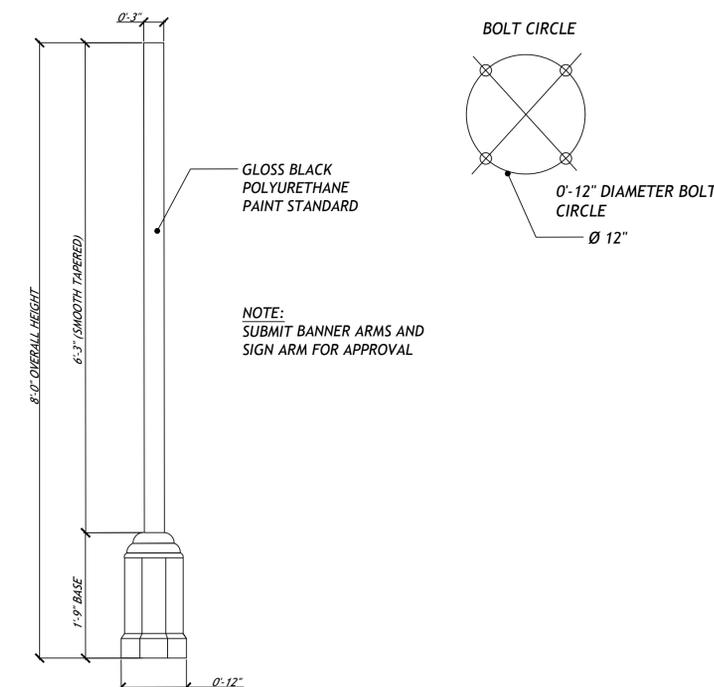
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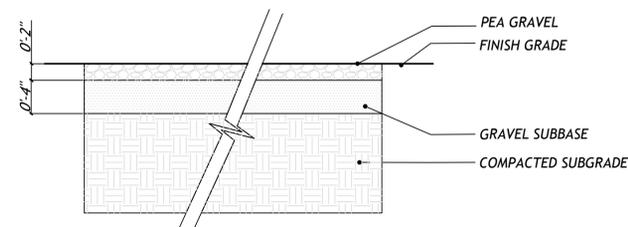
5 SMOOTH TAPERED ALUMINUM LIGHT POLE
SCALE: NOT TO SCALE



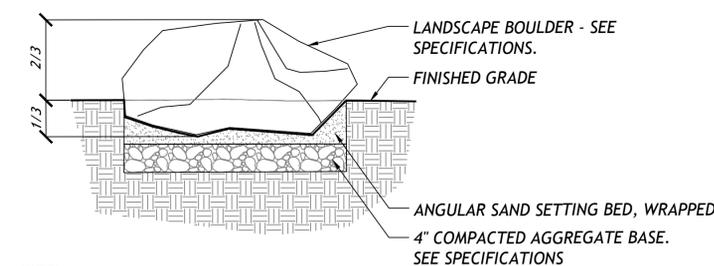
2 ACCESSIBLE PARKING SPACE
SCALE: NOT TO SCALE



4 SMOOTH TAPERED ALUMINUM LIGHT POLE
SCALE: NOT TO SCALE

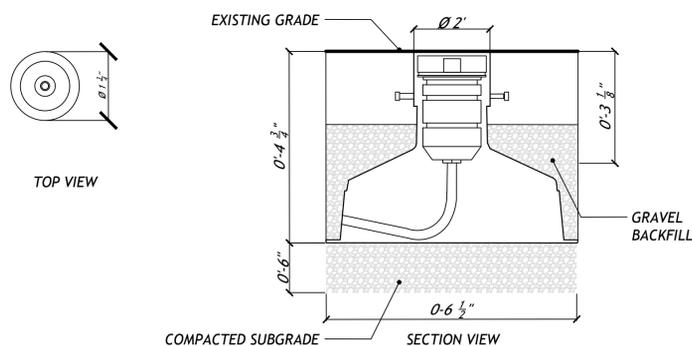


7 PEA GRAVEL
SCALE: NOT TO SCALE

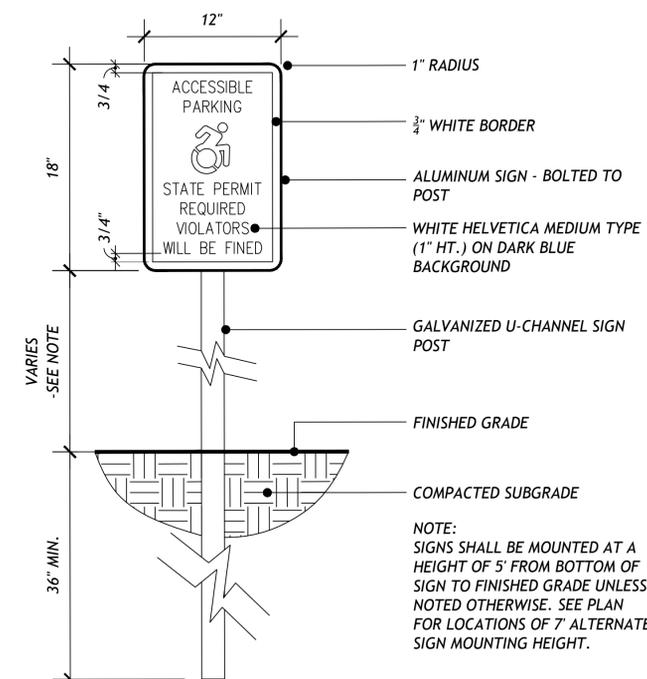


- NOTES:
- BOULDERS SHALL BE INSTALLED SO THAT NO ROCKING WILL OCCUR. ANY ROUGH OR JAGGED EDGES SHALL BE GROUND SMOOTH WHEN DIRECTED BY LANDSCAPE ARCHITECT
 - LAYOUT OF BOULDERS SHALL BE APPROVED BY LANDSCAPE ARCHITECT.

3 LANDSCAPE BOULDER
SCALE: NOT TO SCALE



6 IN GROUND LIGHT FIXTURES
SCALE: NOT TO SCALE



1 ACCESSIBLE PARKING SIGN
SCALE: NOT TO SCALE

MEMORIAL NOTES

1. THE EXISTING WORLD WAR 1 BOULDER AND PLAQUE TO BE RELOCATED TO THE NEW LOCATION.
2. THE EXISTING VIETNAM AND PERSIAN GULF MEMORIAL PLAQUES SHALL BE REMOVED FROM THE EXISTING BOULDER AND REUSED. THE EXISTING BOULDER MAY BE USED FOR THE DEDICATION MARKER IF DAMAGE FROM REMOVING THE PLAQUES IS MINIMAL OR CAN BE FABRICATED TO REMOVE BLEMISHES AND IS APPROVED BY THE TOWN OF WESTON. BOTH EXISTING BOULDERS SHOULD BE TAKEN TO MONUMENT SUB, FOR CLEANING AND OR DRESSING.
3. THE TOWN HAS IDENTIFIED BOULDERS WITHIN THE TOWN LIMITS THAT MEET THE SIZE CRITERIA FOR THE REMAINING MEMORIAL BOULDERS. THE CONTRACTOR SHALL PICK UP OR EXTRACT THE BOULDERS AS REQUIRED AND DELIVER THEM TO THE MONUMENT FABRICATOR AND BRING THEM BACK TO THE SITE FOR PLACEMENT. SUGGESTED MONUMENT FABRICATORS:
 - 3.1. ARTISTA STUDIOS & MONUMENT WORK, 500 BOSTON AVENUE, BRIDGEPORT CT 06605 - PHONE: 203-333-9224
 - 3.2. BROWN'S MONUMENT WORKS, 412 MAIN STREET, MONROE, CT 06468 - PHONE: 203-268-9409
 - 3.3. OR AN APPROVED MONUMENT STUDIO SELECTED BY THE CONTRACTOR.
4. PLACEMENT OF THE BOULDERS SHALL BE OVERSEEN AND APPROVED BY THE MEMORIAL DESIGNER.

PROJECT:

WESTON TOWN GREEN

OWNER / CLIENT:

WESTON BEAUTIFICATION COMMITTEE

56 NORFIELD ROAD
WESTON, CT

DESIGN ARCHITECT:

THIEL ARCHITECTURE + DESIGN

1480 POST ROAD EAST 5A
WESTPORT, CT

HORTICULTURAL DESIGNER:

KARIN'S GARDEN DESIGN

14 STONEHENGE ROAD
WESTON, CT

MEMORIAL DESIGNER:

JULIE HANSELMANN DAVIES

57 PARK TERRACE EAST B27
NEW YORK, NY

ELECTRICAL ENGINEER:

SG ENGINEERING

56 FOXCROFT COURT
SOUTHINGTON, CT

PROGRESS ISSUE:

1 ISSUED FOR BID

02/10/2023

KEY PLAN:

SCALE: AS NOTED

SEAL:

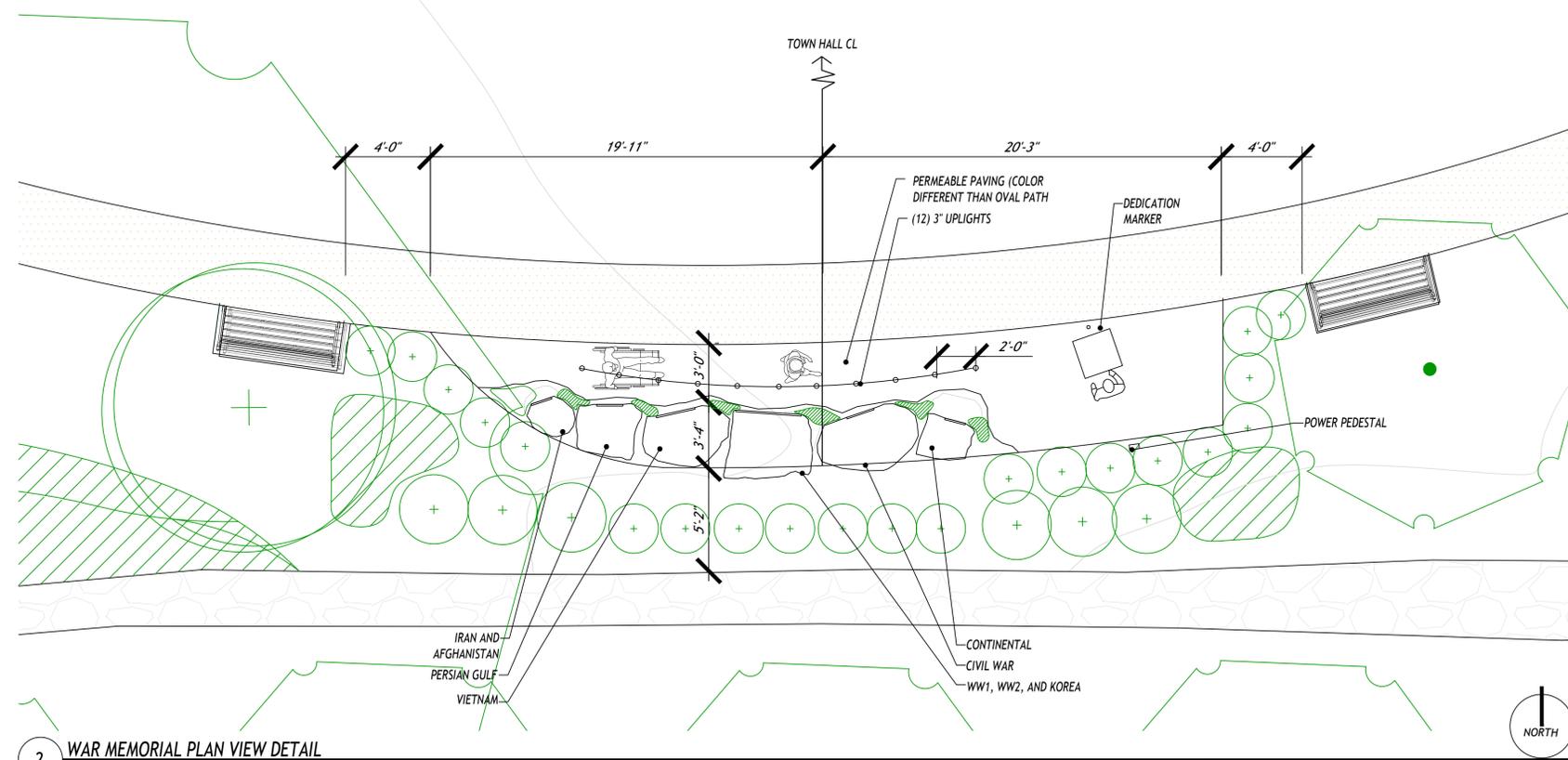
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**WAR MEMORIAL
DETAILS**

SHEET NUMBER:

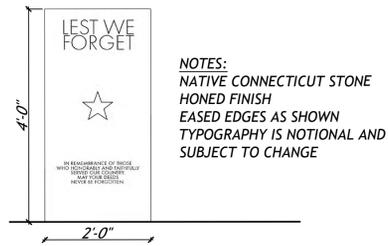
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REF. NO. 5396



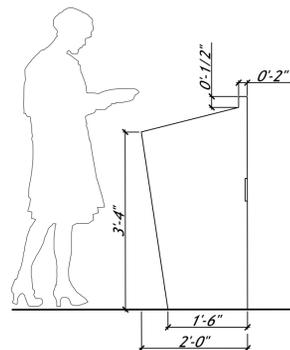
2 WAR MEMORIAL PLAN VIEW DETAIL

SCALE: 1/0" = 12.5' = 1/5"



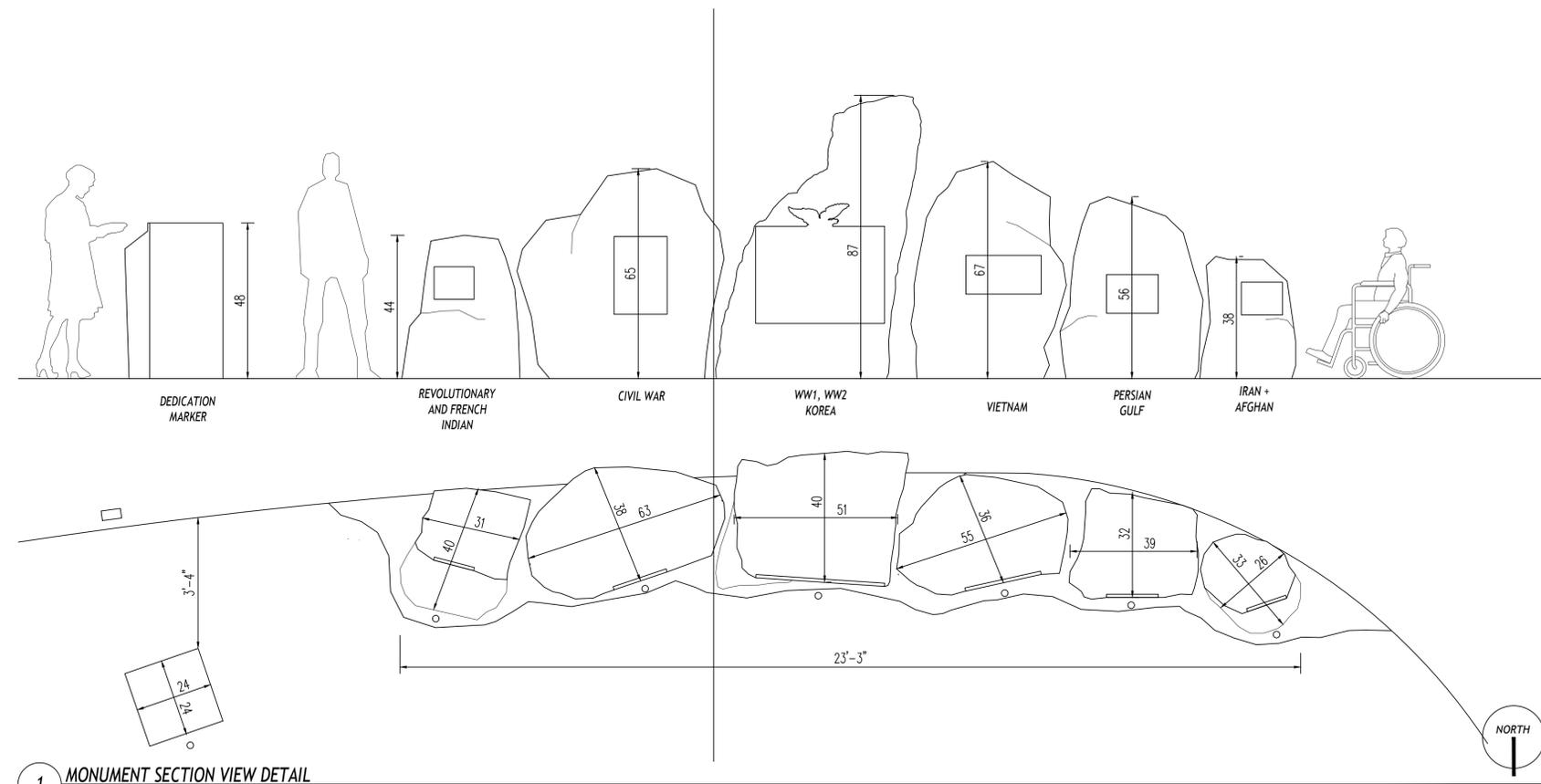
4 DEDICATION MARKER ELEVATION

SCALE: N.T.S.



3 DEDICATION MARKER SECTION

SCALE: N.T.S.



1 MONUMENT SECTION VIEW DETAIL

SCALE: 1/0" = 11' = 1/2"

PROJECT:

WESTON TOWN GREEN

OWNER / CLIENT:

WESTON BEAUTIFICATION COMMITTEE

56 NORFIELD ROAD WESTON, CT

ELECTRICAL ENGINEER:



56 FOXCROFT COURT SOUTHTON, CT

PROGRESS ISSUE:

1 ISSUED FOR BID

02/10/2023

KEY PLAN:

SCALE: |0' |10' |20'

SEAL:

SHEET TITLE:

ELECTRICAL SPECIFICATIONS

SHEET NUMBER:

E-O

ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL PROVISIONS FOR ELECTRICAL WORK

REFERENCES

THIS SECTION COVERS THE GENERAL REQUIREMENTS FOR ELECTRICAL WORK. EXAMINE ALL CONTRACT DRAWINGS AND ALL OTHER SECTIONS OF THE SPECIFICATIONS FOR ADDITIONAL WORK RELATED TO THE WORK OF THIS DIVISION.

DEFINITIONS

'PROVIDE' - TO FURNISH, INSTALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION OF PARTICULAR WORK REFERRED TO UNLESS, SPECIFICALLY OTHERWISE NOTED.

'INSTALL' - TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES.

'WORK' - LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.

'WIRING' - RACEWAY, FITTINGS, WIRE, BOXES, MOUNTING HARDWARE AND RELATED ITEMS.

'CONCEALED' - EMBEDDED IN MASONRY OR OTHER CONSTRUCTION CAVITY, INSTALLED IN FURRED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS.

'SIMILAR' OR 'EQUAL' - EQUAL MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.

'CONTRACTOR' - THE ELECTRICAL CONTRACTOR.

'NOTED' - AS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS.

SCOPE

THIS WORK SHALL CONSIST OF THE FURNISHINGS OF ALL LABOR, MATERIALS AND SERVICES REQUIRED COMPLETE, READY FOR CORRECT OPERATION FOR ALL ELECTRICAL WORK CALL FOR BY THE ACCOMPANYING DRAWINGS AND SPECIFICATIONS. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES.

THE DATA INDICATED IN THESE DRAWINGS AND SPECIFICATIONS ARE AS EXACT AS COULD BE SECURED. BUT THEIR ABSOLUTE ACCURACY IS NOT GUARANTEED. DO NOT SCALE DRAWINGS. EXACT LOCATIONS, DISTANCES, LEVELS AND OTHER CONDITIONS WILL BE GOVERNED BY THE BUILDING. USE THE DRAWINGS AND SPECIFICATIONS FOR GUIDANCE AND SECURE THE ENGINEER'S APPROVAL OF CHANGES IN LOCATIONS, CIRCUITS, WHERE SHOWN ON AN ELECTRICAL DRAWINGS, ARE SO INDICATED. PRIMARILY FOR THE PURPOSE OF INDICATING THE GENERAL CIRCUIT PLAN AND DO NOT NECESSARILY INDICATE THE EXACT LOCATION OF ROUTING OF THE RACEWAYS UNLESS SPECIFICALLY INDICATED. CIRCUITS SHALL BE RUN IN SUITABLE CONDITIONS CONSIDERING STRUCTURAL FEATURES, OTHER TRADES, CONSTRUCTION METHODS AND GOOD INSTALLATION PRACTICE.

BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS UNDER WHICH THE WORK AND WORK OF OTHER TRADES WILL BE INSTALLED. THIS CONTRACT INCLUDES ALL NECESSARY OFFSETS, TRANSITIONS, MODIFICATIONS AND RELOCATION REQUIRED TO INSTALL ALL NEW EQUIPMENT IN NEW OR EXISTING SPACES. CONTRACTOR SHALL INCLUDE ANY MODIFICATIONS REQUIRED IN EXISTING ELECTRICAL EQUIPMENT FOR INSTALLATION OF NEW ELECTRICAL EQUIPMENT AND NEW EQUIPMENT OF OTHER TRADES (LIGHTING FIXTURES, DEVICES, CONDUIT WIRING, ETC.) ALL NEW AND EXISTING EQUIPMENT AND SYSTEMS SHALL BE FULLY OPERATIONAL UNDER THIS CONTRACT BEFORE THE PROJECT IS CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS THAT ARE MADE, ANY OMISSIONS OR ERRORS MADE AS A RESULT OF FAILURE TO VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS OF ALL TRADES.

CODES, REGULATIONS AND STANDARDS

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING APPROVED CODES:

- STATE DEMOLITION CODE
- STATE BUILDING CODE
- STATE FIRE SAFETY CODE
- LOCAL BUILDING CODE
- IBC - INTERNATIONAL BUILDING CODE
- NFPA - NATIONAL FIRE PROTECTION CODE
- ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE
- ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS
- OSHA - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
- UL - UNDERWRITERS LABORATORIES
- NFPA 70 - NATIONAL ELECTRICAL CODE
- EPA - ENVIRONMENTAL PROTECTION AGENCY
- IEEE - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
- NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- IECC - INTERNATIONAL ENERGY CONSERVATION CODE
- ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

PERMITS, FEES AND INSPECTIONS

THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, PAY FOR ALL GOVERNMENT, STATE SALES TAXES AND APPLICABLE FEES. THE CONTRACTOR SHALL FILE ALL DRAWINGS, COMPLETE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS FROM THE PROPER AUTHORITY OR AGENCY HAVING JURISDICTION. OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION COVERING WORK. THE CONTRACTOR SHALL SEE THAT ALL REQUIRED INSPECTIONS AND TESTS ARE MADE AND SHALL COOPERATE TO MAKE THESE TESTS AS THOROUGH AND AS READILY MADE AS POSSIBLE. OWNER WILL PAY ANY UTILITY FEES.

MATERIALS AND WORKMANSHIP

ALL MATERIALS AND APPARATUS REQUIRED FOR THE WORK, EXCEPT AS OTHERWISE SPECIFIED, SHALL BE NEW AND OF FIRST-CLASS QUALITY. IT SHALL BE FURNISHED, DELIVERED, ERECTED, CONNECTED, FINISHED IN EVERY DETAIL AND SO SELECTED AND ARRANGED AS TO FIT PROPERLY INTO THE BUILDING SPACES, WHERE NO SPECIFIC KIND OR QUALITY MATERIAL IS GIVEN, A FIRST-CLASS STANDARD ARTICLE AS ACCEPTED BY THE ENGINEER SHALL BE FURNISHED.

ALL EQUIPMENT AND MATERIALS SHALL BE SPECIFICATION GRADE AND BEAR THE UNDERWRITER'S LABEL. NO SUBSTITUTE OR ALTERNATE EQUIPMENT, MATERIAL, ETC. WILL BE CONSIDERED FOR THIS PROJECT.

ALL WORK SHALL BE OF A QUALITY CONSISTENT WITH GOOD TRADE PRACTICE AND SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER. THE ENGINEER/OWNER RESERVES THE RIGHT TO REJECT ANY WORK WHICH, IN HIS OPINION, HAS BEEN INSTALLED IN A SUBSTANDARD, DANGEROUS OR IN A UNSERVICEABLE MANNER. THE CONTRACTOR SHALL REPAIR OR REPLACE REJECTED WORK IN A SATISFACTORY MANNER AT NO EXTRA COST TO THE OWNER.

GUARANTEES

ALL WORKMANSHIP AND MATERIALS SHALL BE FULLY GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE ENTIRE INSTALLATION COVERED BY THIS CONTRACT. SHOULD ANY DEFECTS OCCUR DURING THE GUARANTEED PERIOD, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL DEFECTIVE EQUIPMENT, MATERIAL AND/OR WORK AT NO EXTRA CHARGE TO THE OWNER.

RECORD DRAWINGS

MAINTAIN, AT THE JOB SITE, A SET OF ELECTRICAL DRAWINGS INDICATING ALL CHANGES IN LOCATION OF THE EQUIPMENT, PANELS, DEVICES, ETC. FROM THE ORIGINAL LAYOUT. CLEARLY MARK IN RED ALL CHANGES ON THE DRAWINGS. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL TURN OVER THE RECORD DRAWINGS TO THE ENGINEER/OWNER.

COORDINATION

ALL WORK SHALL BE CARRIED OUT IN CONJUNCTION WITH OTHER TRADES AND FULL COOPERATION SHALL BE GIVEN IN ORDER THAT ALL WORK MAY PROCEED WITH A MINIMUM OF DELAY AND INTERFERENCE.

SUBMITTALS

SUBMIT ELECTRONIC COPIES FOR REVIEW. DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIAL SPECIFIED. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMISSION TO THE ENGINEER FOR REVIEW. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE JOB SITE OR INSTALLED UNTIL CONTRACTOR HAS IN THEIR POSSESSION, APPROVED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT. SHOP DRAWINGS SHALL BE SPECIFIC WITH ITEMS SUBMITTED FOR APPROVAL CLEARLY IDENTIFIED.

THE FOLLOWING IS A LIST OF ELECTRICAL ITEMS THAT MUST BE SUBMITTED FOR REVIEW:

- a. CIRCUIT BREAKERS
- b. LIGHTING FIXTURES & LIGHTING CONTROLS
- c. CONDUIT, WIRE AND CABLE
- d. DEVICES (RECEPTACLES, SWITCHES, POWER PEDESTALS, ETC.)

OPERATING INSTRUCTIONS

THE CONTRACTOR SHALL FURNISH TO THE ENGINEER ELECTRONIC SETS OF TYPEWRITTEN OR BLUEPRINTED INSTRUCTIONS FOR OPERATING AND MAINTAINING ALL SYSTEMS AND EQUIPMENT INCLUDED IN THIS DIVISION. MANUFACTURER'S ADVERTISING LITERATURE OR CATALOGS WILL NOT BE ACCEPTABLE FOR OPERATING AND MAINTENANCE INSTRUCTIONS.

THE CONTRACTOR, IN THE ABOVE-MENTIONED INSTRUCTIONS, SHALL INCLUDE THE MAINTENANCE SCHEDULE FOR THE PRINCIPAL ITEMS OF EQUIPMENT FURNISHED UNDER THIS DIVISION.

AN AUTHORIZED MANUFACTURER'S REPRESENTATIVE SHALL ATTEST IN WRITING THAT HIS EQUIPMENT HAS BEEN PROPERLY INSTALLED PRIOR TO STARTUP. THESE LETTERS WILL BE BOUND INTO OPERATING AND MAINTENANCE BOOKS.

EQUIPMENT PROTECTION

PROPERLY AND COMPLETELY PROTECT AGAINST ALL DAMAGE. ALL APPARATUS, EQUIPMENT, ETC., INCLUDED IN THIS CONTRACT, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO FURNISHED APPARATUS, EQUIPMENT, ETC., UNTIL FINAL ACCEPTANCE.

PROPERTY PROTECTION

THE CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY AND/OR REQUIRED TO PROTECT OWNER'S PROPERTY WITHIN THE WORKING AREAS FROM DUST, DEBRIS AND OTHER MATTER GENERATED BY THE WORK. NO WORK SHALL COMMENCE IN AREAS WHERE PROTECTION IS REQUIRED UNTIL APPROVAL HAS BEEN GIVEN TO THE CONTRACTOR BY THE OWNER.

MANUFACTURER'S INSTRUCTION

INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.

EQUIPMENT PAINTING AND CLEANING

THOROUGHLY CLEAN ALL ELECTRICAL EQUIPMENT DEVICES AND ENCLOSURES UPON COMPLETION OF ALL WORK. REPAINT ANY EQUIPMENT WHOSE FINISH IS DAMAGED OR RUSTED. MATCH MANUFACTURER'S ORIGINAL FINISH.

PART 2 - PRODUCTS

DESCRIPTION

ALL MATERIALS AND EQUIPMENT PROVIDED UNDER THIS SECTION SHALL BE NEW, FIRST GRADE, BEST OF THEIR RESPECTIVE KINDS AND IN NO WAY SHALL THEY BE LESS THAN THE QUALITY AND INTENT SET FORTH UNDER THIS SECTION. THEY SHALL MEET THE REQUIREMENTS OF ALL STANDARDS SET UP TO GOVERN THE MANUFACTURER OF ELECTRICAL MATERIALS AND COMPLY WITH ALL APPLICABLE CODES AND STANDARDS.

WIRE

CONDUCTORS SHALL BE U.L. LISTED, 600 VOLTS, 90 DEG. C., SINGLE CONDUCTOR TYPE THWN-2, 98% CONDUCTIVITY, ANNEALED UNCOATED COPPER WITH PVC INSULATION COVERED WITH NYLON SHEATH JACKET. TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF UNDERWRITERS LABORATORIES STANDARD 83. WIRE SHALL BE IDENTIFIED BY SURFACE MARKING INDICATING MANUFACTURER'S IDENTIFICATION CONDUCTOR SIZE AND METAL, VOLTAGE RATING, U.L. SYMBOL AND TYPE DESIGNATION. CONDUCTORS SHALL BE STRANDED. MINIMUM SIZE SHALL BE #12 AWG UNLESS OTHERWISE INDICATED. MANUFACTURED BY ROME CABLE, TRIANGLE WIRE & CABLE, GENERAL CABLE OR ESSEX WIRE & CABLE.

RIGID GALVANIZED STEEL CONDUIT (RGS)

RIGID STEEL CONDUIT SHALL BE FULL WEIGHT, HEAVY WALL STEEL PIPE WITH GALVANIZED PROTECTIVE COATING. MANUFACTURED BY TRIANGLE WIRE AND CABLE, ALLIED TUBE AND CONDUIT, REPUBLIC OR STEELCUDT. CONDUIT FITTINGS SHALL BE MALLEABLE IRON, CADMIUM PLATED WITH FULL THREADED HUBS.

RIGID POLYVINYL CHLORIDE CONDUIT (PVC)

RIGID POLYVINYL CHLORIDE CONDUIT SHALL BE TYPE DB, UNLIGHT RESISTANT, RATED OR USE WITH 90 DEGREES C. CONDUCTORS, U.L. RATED. ALL PVC CONDUIT AND FITTINGS SHALL BE SOLVENT WELDED, MANUFACTURED BY CARLON, ELECTRI-FLEX OR PLASTILINE - SCHEDULE 40 UNLESS OTHERWISE NOTED ON THE DRAWINGS.

FITTINGS

CONDUIT BODIES FOR RIGID GALVANIZED STEEL CONDUIT (RGS) SHALL BE MALLEABLE IRON-ZINC PLATED WITH TAPERED HUBS AND GASKETED ALUMINUM COVER.

INSULATION BUSHINGS SHALL BE HIGH IMPACT THERMOPLASTIC PHENOLIC WITH 150 DEG. C. UL TEMPERATURE RATING.

INSULATED GROUNDING BUSHINGS SHALL BE MALLEABLE IRON ZINC PLATED WITH MOLDED ON PHENOLIC INSULATION AND LAY-IN GROUNDING LUG.

CONDUIT LOCKNUTS SHALL BE HEAVY NUT STOCK STEEL-ZINC PLATED.

OFFSET NIPPLES SHALL BE MALLEABLE IRON ZINC PLATED WITH RIGID CONDUIT THREADING AND 3/4" OFFSET.

CONDUIT STRAPS SHALL BE SNAP-TYPE, DOUBLE RIBBED STEEL-ZINC PLATED.

CONDUIT FITTINGS SHALL BE MANUFACTURED BY OZ GEDNEY, CROUSE-HINDS OR APPLETON.

SUPPORT FITTINGS

SUPPORT CHANNEL SHALL BE ROLL-FORMED #12 GAUGE STEEL, SOLID BASE OR BOLT HOLE BASE - HOT DIP GALVANIZED FINISH, COMPLETE WITH ANGLE FITTINGS, SPRING NUTS, CONDUIT SUPPORTS, 3/8" OR 1/2" THREADED RODS (SIZE REQUIRED FOR LOAD), ETC.

CABLE TIES

CABLE TIES SHALL BE FABRICATED OF ONE-PIECE HALLAR WITH NO METAL PARTS. MANUFACTURED BY BURNDY, T&B, PANDUIT OR BLACKBURN.

HANDHOLES

HANDHOLES SHALL BE OPEN BOTTOM, POLYMER CONCRETE, TIER 8, SIZE AS REQUIRED TO ACCOMMODATE ENTRY/EXIT LOCATIONS AND SIZES OF CONDUITS IN THE BOX. QUAZITE OR APPROVED EQUAL.

OUTLET BOXES

OUTLET BOXES SHALL BE WET LOCATION RATED, AND OF PROPER TYPE AND SIZE AS REQUIRED FOR THE PARTICULAR APPLICATION, SIZE AND TYPE DICTATED BY THE NUMBER OF DEVICES, NUMBER OF CONDUCTORS AND WIRING METHOD UTILIZED. BOXES SHALL BE ADEQUATE SIZE FOR THE INSTALLATION OF CONDUCTORS WITHOUT EXCESSIVE BENDING OR GRIMPING OF THE CONDUCTORS AND DAMAGING OF CONDUCTOR INSULATION, MANUFACTURED BY STEEL CITY OR RACO.

LIGHTING CONTROL SYSTEMS STARTUP & TRAINING

PROVIDE ON-SITE PROGRAMMING, STARTUP, CALIBRATION & OWNER'S TRAINING FOR THE LIGHTING CONTROL SYSTEM.

CIRCUIT BREAKERS

BRANCH CIRCUIT BREAKERS SHALL BE QUICK-MAKE, QUICK-BREAK, BOLT-IN THERMALMAGNETIC TYPE WITH VISIBLE CURRENT RATING AND TRIP POSITION, ENSURE COMPATIBILITY WITH PANELS IN WHICH THE BREAKERS ARE INSTALLED.

ALL MULTI-POLE BREAKERS SHALL BE EQUIPPED WITH HANDLE TIES FOR MULTI-POLE USE.

WIRING DEVICES

ALL DEVICES (RECEPTACLES AND SWITCHES) SHALL BE COMMERCIAL SPECIFICATION GRADE, 20 AMP RATED, U.L. LISTED, SELF-GROUNDING, GROUND LUG, SIDE/BACK WIRED. MANUFACTURED BY HUBBELL, LEVITON, OR PASS & SEYMOUR.

LIGHTING FIXTURES

FURNISH AND INSTALL ALL LIGHTING FIXTURES AS SPECIFIED ON THE SCHEDULES, COMPLETE WITH ALL ACCESSORIES, LOUVERS, LAMPS AND MOUNTING HARDWARE. THE FIXTURES SHOWN ARE MARKED AS TYPE A, B, C, ETC.

CLEAN AND REMOVE ALL PAINT, STICKERS, DIRT, SMUDGES AND FINGERPRINTS FROM LIGHTING FIXTURES.

IF BASIS OF DESIGN FIXTURES ARE NOT PROVIDED, THE PROPOSED ALTERNATIVES SHALL BE EQUAL IN QUALITY, FEATURES, MATERIAL, COLOR/FINISH, APPEARANCE, DIMENSIONS AND PERFORMANCE. APPROVAL OF ANY PROPOSED ALTERNATIVES WILL BE SUBJECT TO ENGINEER AND OWNER REVIEW. IN ADDITION, PHOTOMETRIC CALCULATIONS SHALL BE PROVIDED FOR ALTERNATIVE FIXTURES TO DEMONSTRATE EQUAL PERFORMANCE.

POWER PEDESTALS

POWER PEDESTALS SHALL BE WEATHERPROOF, OUTDOOR RATED, 2-GANG CAPACITY, BLACK FINISH WITH LOCKABLE HINGED COVER AND DEVICE TYPES AND QUANTITIES AS INDICATED ON PLANS. LEGRAND XPP2G30C-BK OR EQUAL.

GROUND BOXES

GROUND BOXES SHALL BE FLUSH WITH GRADE, WEATHERPROOF, WITH QUANTITY AND TYPE OF RECEPTACLES AS NOTED ON THE DRAWINGS. BOXES SHALL BE LEGRAND X9B SERIES OR APPROVED EQUAL, WITH COLOR TO BE SELECTED BY THE OWNER.

PART 3 - EXECUTION

INSTALLATION

ALL WORK, MATERIALS AND MANNER OF INSTALLING SAME SHALL BE IN STRICT ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.

ALL CONDUIT AND WIRING SHALL BE INSTALLED CONCEALED UNLESS OTHERWISE NOTED.

WIRING IN EXPOSED AREAS SHALL BE ROUTED IN RGS CONDUIT.

RACEWAYS

RACEWAYS, ENCLOSURES AND BOXES SHALL BE MECHANICALLY JOINED TO FORM A CONTINUOUS ELECTRICAL PATH.

THE CONTRACTOR SHALL PROVIDE APPROVED TYPE PULL BOXES AS REQUIRED.

MINIMUM SIZE CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED.

FURNISH NYLON PULL STRINGS IN ALL EMPTY CONDUIT RUNS.

FURNISH LOCKNUTS AND BUSHINGS FOR ALL CONDUIT TERMINATIONS IN ALL OUTLET BOXES, PANELS, PULL BOXES, CONDUIT STUBS, ETC.

RIGID GALVANIZED STEEL CONDUIT (RGS) SHALL BE USED FOR WIRING IN THE FOLLOWING LOCATIONS:

1. EXTERIOR EXPOSED INSTALLATIONS
2. CONDUIT SWEEPS / STUB-UPS
3. UNDER AREAS SUBJECT TO VEHICULAR TRAVEL

RIGID POLYVINYL CHLORIDE (PVC) SHALL BE USED FOR WIRING IN THE FOLLOWING LOCATIONS:

1. LIGHTING AND POWER BRANCH CIRCUIT OR FEEDER WIRINGS BURIED UNDER GRASS (SCHEDULE 40)
2. BELOW CONCRETE SLABS (SCHEDULE 40)

ALL CONDUIT SHALL BE SUPPORTED.

PROVIDE EXPANSION FITTINGS / SLIP FITTINGS WHERE CONDUITS EMERGE FROM UNDERGROUND AND CONNECT TO A RIGIDLY MOUNTED COMPONENT (E.G. PANELBOARD, JUNCTION BOX)

WIRING

PROVIDE WIRING TO ALL OUTLETS, EQUIPMENT, APPARATUS AND OTHER SPECIALTIES UNDER THIS DIVISION THAT WHICH FURNISHED OR PROVIDED UNDER OTHER DIVISIONS OR BY THE OWNER.

THE TERM 'WIRING' SHALL BE CONSIDERED TO BE COMPRISED OF THE CONDUIT, CONDUCTORS, CONNECTIONS, ETC.

ALL WIRING ON DRAWINGS IS SIZED FOR TYPE THWN/THHN COPPER CONDUCTORS.

MINIMUM SIZE WIRE SHALL BE #12 UNLESS OTHERWISE INDICATED. ALL WIRING SHALL BE COLOR CODED.

EXERCISE CAUTION IN PULLING CONDUCTORS INTO RACEWAYS SO AS NOT TO DAMAGE THE INSULATION. CABLE PULLING LUBRICANT SHALL BE USED TO ASSIST IN PULLING.

CONDUCTORS WITHIN PANELBOARDS, JUNCTION BOXES, TROUGHS AND OTHER EQUIPMENT WHERE CONCENTRATIONS OF CONDUCTORS ARE ENCLOSED, SHALL BE NEATLY ARRANGED AND TIED WITH CABLE TIES.

CIRCUITS SHALL BE SO CONNECTED TO THE PANELBOARDS THAT THE TOTAL LOAD IS DISTRIBUTED AS NEATLY AS POSSIBLE, EQUALLY BETWEEN EACH LINE AND NEUTRAL. 10% WILL BE CONSIDERED A REASONABLE AND ALLOWABLE UNBALANCE.

COMMON NEUTRAL FOR MULTIPLE BRANCH CIRCUITS IS NOT ACCEPTABLE. PROVIDE SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT.

WIRING IN OUTLET BOXES, JUNCTION BOXES, CABINET PANELBOARDS OR EQUIPMENT SHALL HAVE A MINIMUM OF EIGHT (8") INCHES LENGTH LEADS FOR CONNECTING WIRING DEVICES TO MAKE UP CIRCUIT SPLICES.

INSTALL COPPER GREEN INSULATED GROUNDING CONDUCTOR IN ALL CONDUITS AND RACEWAYS.

SPLICING

SPLICING SHALL BE DONE WITH INSULATED OR NON-INSULATED CONNECTORS OF APPROPRIATE TYPES AND CURRENT-CARRYING CAPACITY. NON-INSULATED CONNECTORS SHALL BE WRAPPED WITH INSULATING TAPE TO THE THICKNESS OF THE INSULATION OF THE CONDUCTORS BEING SPLICED. ELECTRICAL TAPE SHALL BE 3M OR SUPER 88 SCOTCH VINYL FLAME-RETARDANT, COLD AND WEATHER RESISTANT.

SPLICES FOR CONDUCTORS, SIZES #10 AWG OR SMALLER SHALL BE MADE WITH U.L. LISTED SPRING-TYPE CONNECTORS OR APPROPRIATE CURRENT CARRYING CAPACITY.

SPLICES, TAPS AND TERMINALS FOR CONDUCTORS #8 AWG OR LARGER SHALL BE MADE WITH U.L. LISTED BOLTED PRESSURE CONNECTORS OF BRONZE OR COPPER CONSTRUCTION, OF APPROPRIATE CURRENT CARRYING CAPACITY. EQUAL TO OIZ GEDNEY, BURNDY OR BLACKBURN.

CONDUCTOR IDENTIFICATION

CONDUCTORS #8 AWG AND SMALLER SHALL HAVE A COLOR-CODED INSULATION.

CONDUCTORS #6 AWG AND LARGER SHALL BE IDENTIFIED WITH TAPES APPLIED NEAR THE ENDS OF THE CONDUCTORS.

FEEDERS AND BRANCH CIRCUIT CONDUCTORS SHALL BE IDENTIFIED FOR PHASE ROTATION.

MATCH EXISTING CONDUCTOR COLORS TO EXISTING FACILITY WIRING.

ALL FEEDERS, MAINS AND BRANCH CIRCUIT CONDUCTORS SHALL BE TAGGED AT BOTH ENDS WITH WIRE MARKERS IN ALL PANELS, MOTOR CONTROLS, JUNCTION BOXES, OUTLET BOXES AND DEVICE BOXES.

IDENTIFICATION

FURNISH AND INSTALL NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT, IDENTIFYING ITEMS BY NAME, FUNCTION AND/OR CONTROL.

ALL PANELS SHALL BE PROVIDED WITH UPDATED TYPEWRITTEN CIRCUIT DIRECTORIES IDENTIFYING ALL BRANCH CIRCUITS. PROVIDE ADDITIONAL COPY OF COMPLETE UPDATED PANEL DIRECTORY TO THE OWNER.

USE PLASTIC-COATED WIRE MARKERS OF THE SELF-ADHESIVE, WRAPAROUND TYPE WITH PERMANENT FACTORY-PRINTED NUMBER, LETTERS AND SYMBOLS.

WIRE MARKERS SHALL BE SECURELY ATTACHED AT BOTH ENDS, IDENTIFYING PANEL AND CIRCUIT BREAKER NUMBERS.

ALL CONDUCTORS SHALL BE PERMANENTLY TAGGED AT TIME OF INSTALLATION. LABELS SHALL BE EQUAL TO T&B, PANDUIT OR IDEAL.

GROUNDING

ALL ELECTRICAL WORK SHALL BE GROUNDED AND BONDED IN FULL CONFORMANCE WITH THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE AND LOCAL REQUIREMENTS.

ALL ELECTRICAL EQUIPMENT, PANELBOARD ENCLOSURES, MOTOR FRAMES, SAFETY SWITCHES, METAL ENCLOSURES, ELECTRICAL DEVICE CLOSURES AND ALL OTHER EQUIPMENT SHALL BE MADE TO FORM A CONTINUOUS CONDUCTING, GROUND PATH OF LOW IMPEDANCE FOR GROUND FAULT CIRCUITS AND OPERATION OF THE CIRCUIT PROTECTIVE DEVICES WITHIN EACH CIRCUIT.

PROVIDE GROUNDING CONDUCTOR IN ALL RACEWAYS.

GROUND CONNECTIONS WITH THE GROUNDING CONDUCTORS SHALL BE MADE AT EACH OUTLET BOX, LIGHTING FIXTURE, MOTOR AND OTHER EQUIPMENT COMPONENTS BY MEANS OF A POSITIVELY SECURED GROUNDING CLAMP, SCREW OR CLIP.

BONDING SHALL BE PROVIDED TO ASSURE ELECTRICAL CONTINUITY AND THE CAPACITY TO SAFELY CONDUCT ANY FAULT CURRENT LIKELY TO BE IMPOSED.

ALL DEVICES (SWITCHES, RECEPTACLES, ETC.) SHALL BE GROUNDED TO CONDUIT SYSTEM WITH SIX (6") INCH SOLID COPPER #12 AWG INSULATED WIRE (GREEN) CONNECTED TO GROUND SCREW IN DEVICE AND FASTENED TO BACKBOX WITH 10-32x3/8" SLOTTED HEXAGON HEAD WASHER FACE GROUND WITH GREEN DYE FINISH.

END OF ELECTRICAL SPECIFICATIONS

PROJECT:

WESTON TOWN GREEN

OWNER / CLIENT:

WESTON BEAUTIFICATION
COMMITTEE
56 NORFIELD ROAD
WESTON, CT

ELECTRICAL ENGINEER:



56 FOXCROFT COURT
SOUTHINGTON, CT

PROGRESS ISSUE:

1 ISSUED FOR BID 02/10/2023

KEY PLAN:

SCALE: 1/8" = 1'-0" 1/4" = 1'-0" 1/2" = 1'-0"

SEAL:

SHEET TITLE:

ELECTRICAL
SCHEDULES, NOTES
AND ABBREVIATIONS

SHEET NUMBER:

E-1

LIGHT FIXTURE SCHEDULE

TYPE	BASIS OF DESIGN	DESCRIPTION	VOLTAGE	LAMPING	REMARKS
SL1A	MAIN STREET LIGHTING 'ERIE' AA1708-4 (POLE) + BA-10 (SIGN BRACKETS) + SIGNAGE GENIE HOUSE 'ARABELLA' 82122 (RETROFITTED LED POST-TOP FIXTURE TO BE FURNISHED BY OWNER, MOUNT ON TOP OF NEW POLES)	POLE WITH EXISTING RETROFITTED LED FIXTURE HEAD, 8'-0" (OVERALL HEIGHT) SMOOTH TAPERED ALUMINUM SHAFT WITH 21"H DECORATIVE BASE, BLACK FINISH, TWO 18" BANNER ARMS MOUNTED AT 7' ABOVE GRADE. SECURE POLE TO A CONCRETE FOUNDATION. INSTALL RETROFITTED FIXTURES (FURNISHED BY THE OWNER) ON THE NEW POLE. REFER TO WK ASSOCIATES DRAWINGS FOR SIGNAGE TO BE PROVIDED ON THE POLES.	120V	18W LED (RETROFIT OF EXISTING FIXTURE)	1, 2, 3
SL1B	MAIN STREET LIGHTING 'ERIE' AA1708-4 + INTEGRAL OUTLET (POLE) GENIE HOUSE 'ARABELLA' 82122 (RETROFITTED LED POST-TOP FIXTURE TO BE FURNISHED BY OWNER, MOUNT ON TOP OF NEW POLES)	SAME AS TYPE 'SL1A', BUT WITH CONVENIENCE OUTLET INTEGRAL TO POLE AND NO SIGN BRACKET. MOUNT OUTLET DIRECTLY ABOVE BASE.	120V	18W LED (RETROFIT OF EXISTING FIXTURE)	1, 2, 3
SL2	IGUZZINI NORTH AMERICA ILUF50-MO-827-SH-REM-13 (FIXTURE) 4450-0500-027-UNV-ED10 (REMOTE DRIVER) IX490-XX (IN-GRADE BACK BOX) 9015-9016-KIT (CONNECTORS)	2" FLUSH MOUNTED IN-GRADE LIGHT FOR SIGNS, PROVIDE REMOTE OUTDOOR RATED DRIVER(S) IN ENCLOSURE ADJACENT TO FIXTURES. PROVIDE MOUNTING ACCESSORIES AND CONNECTORS AS REQUIRED, MEDIUM OUTPUT, 2700°K, SPOT COMFORT OPTIC, STAINLESS STEEL FINISH	120V (TO DRIVER)	1.4W LED	1, 2
SL3	IGUZZINI NORTH AMERICA ILUO80-MO-830-WL-REM-13 (FIXTURE) 4549-0500-027-UNV-ED10 (REMOTE DRIVER) X195-02-9583 (IN-GRADE BACK BOX) 9015-9016-KIT (CONNECTORS)	3" FLUSH MOUNTED IN-GRADE LIGHT FOR MEMORIAL, PROVIDE REMOTE OUTDOOR RATED DRIVERS IN ENCLOSURE ADJACENT TO FIXTURES (UP TO 5 FIXTURES PER DRIVER), PROVIDE MOUNTING ACCESSORIES AND CONNECTORS AS REQUIRED, MEDIUM OUTPUT, 3000°K, WALL WASHER OPTIC, STAINLESS STEEL FINISH	120V (TO DRIVER)	4.5W LED	1, 2

NOTES:
1. PROVIDE ALL NECESSARY MOUNTING HARDWARE, HANGERS, BRACKETS, ETC.
2. IF BASIS OF DESIGN FIXTURES ARE NOT PROVIDED, THE PROPOSED ALTERNATIVES SHALL BE EQUAL IN QUALITY, FEATURES, MATERIAL, COLOR/FINISH, DIMENSIONS, APPEARANCE AND PERFORMANCE. APPROVAL OF ANY PROPOSED ALTERNATIVES WILL BE SUBJECT TO ENGINEER AND OWNER REVIEW. IN ADDITION, PHOTOMETRIC CALCULATIONS SHALL BE PROVIDED FOR ALTERNATIVE FIXTURES TO DEMONSTRATE EQUAL PERFORMANCE.
3. OWNER WILL RETROFIT EXISTING POST-TOP FIXTURES WITH LED LAMP SOURCE AND HAND OVER TO CONTRACTOR FOR INSTALLATION ON THE NEW POLES.

ELECTRICAL GENERAL NOTES

- UNLESS OTHERWISE INDICATED, FURNISH AND INSTALL A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR, AND EQUIPMENT.
- ELECTRICAL PLANS AND DETAILS, AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM. THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS, AND ADDITIONAL PULL AND JUNCTION BOXES WHICH THE CONTRACTOR MUST PROVIDE TO COMPLETE THE ELECTRICAL SYSTEM.
- ALL EQUIPMENT AND MATERIAL SHALL BE LABELED AND LISTED, AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE GOVERNING AUTHORITIES.
- ALL WORK SHALL BE DONE WITH LICENSED WORKERS IN ACCORDANCE WITH STATE GOVERNING AUTHORITY.
- THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE NATIONAL ELECTRICAL CODE.
- THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS, AND RELATED ATTACHMENTS)".
- THE TERM "SIZE" SHALL MEAN ONE OR MORE OF THE FOLLOWING: "LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE, AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS".
- THE TERM "SPACE" ON PANELBOARD AND SWITCHBOARD SCHEDULES SHALL MEAN "PROVIDE SPACE TO INSTALL THE NUMBER OF POLES AND SIZE OF THE PROTECTIVE DEVICE INDICATED WITH ALL THE NECESSARY BUS AND FITTINGS TO INSTALL THE DEVICE AT SOME FUTURE DATE".
- COORDINATE ELECTRICAL WORK WITH OWNER.
- COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
- BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR REPLACEMENT, CLEARANCES AND INTERCONNECTIONS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, 2020 EDITION.

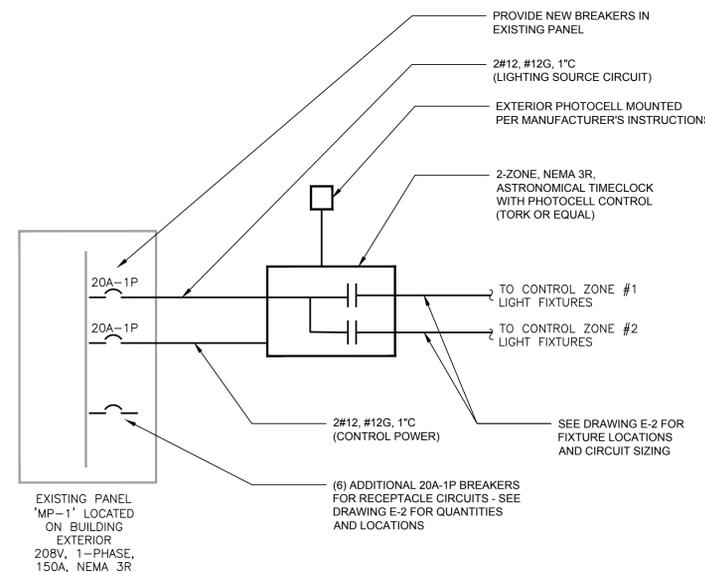
ABBREVIATIONS

ABBREVIATIONS	DESCRIPTION
A	AMPERES
AC	ALTERNATING CURRENT (60 HZ)
A/C	AIR CONDITIONING
ADA	AMERICANS WITH DISABILITIES ACT
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFV	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
BF	BALLAST FACTOR
BR	BRANCH
C	CONDUIT
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CLG	CEILING MOUNTED
CT	CURRENT TRANSFORMER
CU	COPPER
D	DISHWASHER
DISC	DISCONNECT
DW	DISHWASHER
DWG	DRAWING
DWU	DISTILLED WATER UNIT
E	EXISTING TO REMAIN
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EX/ETR	EXISTING EQUIPMENT TO REMAIN
FDR	FEEDER
FL	FLOOR
FT	FEET
GFCI/GFI	GROUND-FAULT CIRCUIT-INTERRUPTER
GFE	GROUND-FAULT CIRCUIT EQUIPMENT BREAKER
GFP	GROUND-FAULT PROTECTION
GRD	GROUND
H	HEAT DETECTOR
HD	HAND-HOLE
HP	HORSEPOWER
IG	INSULATED GROUND
IM	ICE MAKER
IMP	IMPEDANCE
IN	INCHES
J	JUNCTION
KA	KILO AMPERE
Kmilis	THOUSAND CIRCUIT MILLS
KV	KILOVOLT
KW	KILO VOLT-AMPERE
Im	KILOWATT
LP	LIGHTING PANELBOARD
LTG	LIGHTING
M	METER
MC	MOTOR CONTROLLER
MCB	MAIN CIRCUIT BREAKER
MCC/MCB	MOLDED CASE CIRCUIT BREAKER
MCS	MOTOR CIRCUIT SWITCH
MDP	MAIN DISTRIBUTION PANELBOARD
MH	MANHOLE
MLO	MAIN LUG ONLY
MW	MICROWAVE OVEN
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOC.
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NEUT	NEUTRAL
NF	NONFUSED
NIC	NOT IN CONTRACT
NL	NEW LOCATION OF RELOCATED ITEM
N.T.S.	NOT TO SCALE
OC	OVERCURRENT
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX
PC	PHOTO CELL
PH	PHASE
PNL	PANELBOARD
PRI	PRIMARY
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PWR	POWER
R	REMAIN
RE	REMOVE EXISTING ITEM
RECPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL CONDUIT
RL	RELOCATE EXISTING ITEM
RM	ROOM
RNC	RIGID NONMETALLIC CONDUIT
REF	REFRIGERATOR
RSC	RIGID STEEL CONDUIT
S	SMOKE DETECTOR
SC	SERVICE CONDUCTORS
SCHD	SCHEDULE
SCR	SHORT-CIRCUIT RATING
SD	SERVICE DROP
SE	SERVICE EQUIPMENT
SEC	SECONDARY
ST	STUNT TRIP
SURF	SURFACE
SV	SOLENOID VALVE
SW	SWITCH
SYM	SYMMETRICAL
SYMB	SYMBOL
TC	TIME CONTROLLER
TEL	TELEPHONE
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
UTIL	UTILITY
UVR	UNDER VOLTAGE RELEASE
V	VOLTS
VA	VOLT-AMPERES
W	WATTS
WG	WIRE GUARD
WP	WALL PHONE OR WEATHERPROOF
WT	WEIGHT IN POUNDS
WT	WATERTIGHT
X	REMOVE
XFMR	TRANSFORMER
%	PERCENT
#	NUMBER
'	FEET
"	INCHES



2 EXISTING PANELBOARD 'MP-1' PHOTOS

E-1 SCALE: N.T.S.



1 PARTIAL ELECTRICAL ONE-LINE DIAGRAM

E-1 SCALE: N.T.S.



1 ELECTRICAL SITE PLAN
E-2 SCALE: 1" = 20'-0"

NEW WORK KEY NOTES

1. PROVIDE A 16" H OUTDOOR POWER PEDESTAL (LEGRAND XPP2G16C OR EQUAL) WITH LOCKABLE IN-USE COVER & TWO WEATHER RESISTANT USB GFCI DUPLEX RECEPTACLES IN THIS LOCATION. FEED FROM A NEW 20A-1P BREAKER IN EXISTING PANEL 'MP-1'. LANDSCAPE ARCHITECT TO SELECT COLOR. CONFIRM FINAL LOCATION OF PEDESTAL WITH TOWN OF WESTON PRIOR TO INSTALLATION.
2. PROVIDE A GFCI QUADRUPLX RECEPTACLE IN FLUSH MOUNTED WEATHERPROOF GROUND BOX IN THIS LOCATION. GROUND BOX SHALL BE LEGRAND 'XB' SERIES OR EQUAL. FEED FROM A NEW DEDICATED 20A-1P BREAKER IN THE EXISTING PANEL. LANDSCAPE ARCHITECT TO SELECT FINISH. CONFIRM FINAL LOCATION OF BOX WITH TOWN OF WESTON PRIOR TO INSTALLATION.
3. MOUNT A GFCI WEATHERPROOF DUPLEX RECEPTACLE TO THE LIGHT POLE IN THIS LOCATION. RECEPTACLE SHALL NOT BE FED FROM THE SAME CIRCUIT AS THE LIGHT FIXTURE, SO THAT IT REMAINS ENERGIZED REGARDLESS OF TIMECLOCK CONTROL. CONNECT TO CIRCUIT # INDICATED.
4. REMOVE EXISTING LIGHT POLE IN THIS LOCATION, INCLUDING ASSOCIATED WIRING AND RACEWAYS BACK TO SOURCE. EXISTING UNDERGROUND RACEWAYS MAY BE ABANDONED IN PLACE IF REMOVAL IS NOT FEASIBLE. SALVAGE EXISTING FIXTURE ON TOP OF POLE FOR RE-USE. OWNER WILL RETROFIT EXISTING FIXTURES WITH LED LAMP SOURCE AND HAND OVER TO CONTRACTOR FOR INSTALLATION ONTO NEW POLES.
5. PROVIDE A NEW LIGHT POLE IN THIS LOCATION, INCLUDING ASSOCIATED WIRING, RACEWAYS & STRUCTURAL FOUNDATION. INSTALL RETROFITTED LED FIXTURE (FURNISHED BY OWNER) ON NEW POLE. REFER TO DRAWING E-1 FOR LIGHTING FIXTURE SCHEDULE. ALL POLE LIGHTS SHALL BE FED FROM TIMECLOCK CONTROL ZONE #1.
6. NOT USED.
7. PROVIDE NEW IN-GRADE LIGHTING FIXTURES (QTY=12) FOR MEMORIALS, INCLUDING ASSOCIATED WIRING, RACEWAYS, ENCLOSURE, REMOTE DRIVERS & MOUNTING ACCESSORIES. REFER TO DRAWING E-1 FOR LIGHTING FIXTURE SCHEDULE. MEMORIAL LIGHTS SHALL BE FED FROM TIMECLOCK CONTROL ZONE #2. PROVIDE UNDERGROUND WIRING FROM EACH FIXTURE TO REMOTE DRIVERS. REFER TO WK ASSOCIATES DRAWINGS FOR EXACT LOCATIONS OF FIXTURES.
8. PROVIDE NEW IN-GRADE SIGN LIGHT(S) IN THIS LOCATION, INCLUDING ASSOCIATED WIRING, RACEWAYS, ENCLOSURE, REMOTE DRIVER & MOUNTING ACCESSORIES. REFER TO DRAWING E-1 FOR LIGHTING FIXTURE SCHEDULE. SIGN LIGHT(S) SHALL BE FED FROM TIMECLOCK CONTROL ZONE #2. PROVIDE UNDERGROUND WIRING FROM FIXTURE TO REMOTE DRIVER. REFER TO WK ASSOCIATES DRAWINGS FOR REQUIRED DISTANCE BETWEEN FIXTURE AND SIGN.
9. EXISTING LIGHT POLE IN THIS LOCATION IS TO REMAIN. OWNER WILL RETROFIT EXISTING FIXTURE WITH LED LAMP SOURCE AND HAND OVER FOR USE ON NEW POLES. INSTALL RETROFITTED FIXTURE ON NEW POLE.

PROJECT:
WESTON TOWN GREEN

OWNER / CLIENT:
WESTON BEAUTIFICATION COMMITTEE
56 NORFIELD ROAD
WESTON, CT

ELECTRICAL ENGINEER:
SG ENGINEERING LLC
56 FOXCROFT COURT
SOUTHINGTON, CT

PROGRESS ISSUE:
1 ISSUED FOR BID 02/10/2023

KEY PLAN:

SCALE: |0' |10' |20'
SEAL: 

SHEET TITLE:
SITE ELECTRICAL PLAN

SHEET NUMBER:
E-2