MAIN STREET
SIDEWALK IMPROVEMENTS

TOWN OF TISBURY, MA

THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 2022, THE SUPPLEMENTAL SPECIFICATIONS DATED MARCH 31, 2022, THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, WILL GOVERN.

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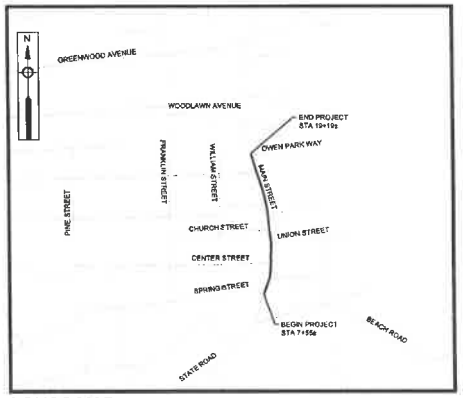
COMMONWEALTH OF MASSACHUSETTS
BENNY L. HUNG
CIVIL
No. 46[illegible]
REGISTERED PROFESSIONAL ENGINEER
5/25/2022

MAY 2022

ENVIRONMENTAL PARTNERS
— An Apex Company —

TOWN OF TISBURY

DEPARTMENT OF PUBLIC WORKS
KIRK METELL, DIRECTOR
115 HIGH POINT LANE
VINEYARD HAVEN, MA 02568



LOUCS MAP
1"=500'

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
	JB	JERSEY BARRIER
	CB	CATCH BASIN
		CATCH BASIN CURB INLET
	FP	FLAG POLE
		GAS PUMP
	MB	MAIL BOX
		POST SQUARE
	EHH	ELECTRIC HANDHOLE
		FENCE GATE POST
	GG	GAS GATE
		BORING HOLE
		HYDRANT
		LIGHT POLE
		COUNTY BOUND
		GPS POINT
		CABLE MANHOLE
		DRAINAGE MANHOLE
		ELECTRIC MANHOLE
		GAS MANHOLE
		MISC MANHOLE
		SEWER MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
	MHB	MASSACHUSETTS HIGHWAY BOUND
		MONUMENT
		STONE BOUND
		TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
	UFB	UTILITY POLE W/ FIREBOX
	UPDL	UTILITY POLE WITH DOUBLE LIGHT
	ULT	UTILITY POLE W / 1 LIGHT
	UPL	UTILITY POLE
		BUSH
		TREE
		STUMP
		SWAMP / MARSH
	WG (or WV)	WATER GATE (WATER VALVE)
	PM	PARKING METER
		OVERHEAD CABLE/WIRE
		CURBING
		CONTOURS (ON-THE-GROUND SURVEY DATA)
		CONTOURS (PHOTOGRAMMETRIC DATA)
		UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)
		BALANCED STONE WALL
		CHAIN LINK OR METAL FENCE
		WOOD FENCE
		HAY BALES/SILT FENCE
		TREE LINE
		SAWCUT LINE
		TOP OR BOTTOM OF SLOPE
		LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY
		BANK OF RIVER OR STREAM
		BORDER OF WETLAND
		100 FT WETLAND BUFFER
		200 FT RIVERFRONT BUFFER
		STATE HIGHWAY LAYOUT
		TOWN OR CITY LAYOUT
		COUNTY LAYOUT
		RAILROAD SIDELINE
		TOWN OR CITY BOUNDARY LINE
		PROPERTY LINE OR APPROXIMATE PROPERTY LINE
		EASEMENT

TRAFFIC SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		CONTROLLER PHASE ACTUATED
		TRAFFIC SIGNAL HEAD (SIZE AS NOTED)
		WIRE LOOP DETECTOR (6' x 6' TYP UNLESS OTHERWISE SPECIFIED)
		VIDEO DETECTION CAMERA
		MICROWAVE DETECTOR
		PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE
		EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT
		VEHICULAR SIGNAL HEAD
		VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED
		FLASHING BEACON
		PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)
	RRSG	RAILROAD SIGNAL
		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
		MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (2 POSTS)
		MAST ARM WITH LUMINAIRE
		OPTICAL PRE-EMPTION DETECTOR
		CONTROL CABINET, GROUND MOUNTED
		CONTROL CABINET, POLE MOUNTED
		FLASHING BEACON CONTROL AND METER PEDESTAL
		LOAD CENTER ASSEMBLY
		PULL BOX 12"x12" (OR AS NOTED)
		ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)
		TRAFFIC SIGNAL CONDUIT

PAVEMENT MARKINGS SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		PAVEMENT ARROW - WHITE
	ONLY	LEGEND "ONLY" - WHITE
	SL	STOP LINE
	CW	CROSSWALK
	SWL	SOLID WHITE LINE
	SYL	SOLID YELLOW LINE
	BWL	BROKEN WHITE LINE (10' LINE SEGMENT WITH 30' GAPS)
	BYL	BROKEN YELLOW LINE (10' LINE SEGMENT WITH 30' GAPS)
	DWL	DOTTED WHITE LINE (3' LINE SEGMENT WITH 9' GAPS)
	DYL	DOTTED YELLOW LINE (3' LINE SEGMENT WITH 9' GAPS)
	DWLEx	DOTTED WHITE LINE EXTENSION (2' LINE SEGMENT WITH 6' GAPS)
	DYLEx	DOTTED YELLOW LINE EXTENSION (2' LINE SEGMENT WITH 6' GAPS)
	12" DWL	12" WIDE DOTTED WHITE ROUNDABOUT ENTRY LINE (2' LINE SEGMENT WITH 2' GAPS)
	DBWL	DOUBLE WHITE LINE
	DBYL	DOUBLE YELLOW LINE

ABBREVIATIONS - GENERAL

AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADJ	ADJUST
APPROX.	APPROXIMATE
BIT.	BITUMINOUS
BC	BOTTOM OF CURB
BD.	BOUND
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BO	BY OTHERS
BOS	BOTTOM OF SLOPE
BS	BARE STEEL
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CEM	CEMENT
CI	CURB INLET
CIP	CAST IRON PIPE
C.I.T.	CHANGE IN TYPE
CLF	CHAIN LINK FENCE
CL	CENTERLINE
CMH	CABLE MANHOLE
CMP	CORRUGATED METAL PIPE
CRW	CONCRETE RETAINING WALL
CSP	CORRUGATED STEEL PIPE
CO.	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CR GR	CROWN GRADE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DSMH	DEEP SUMP MANHOLE
DW	STEADY DON'T WALK
DWY	DRIVEWAY
E.A.	EXPOSED AGGREGATE
ELEV (or EL.)	ELEVATION
EOP	EDGE OF PAVEMENT
EXIST (or EX)	EXISTING
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FLDSTN	FIELDSTONE
GD	GROUND
GG (or GV)	GAS GATE (GAS VALVE)
GI	GUTTER INLET
HMA	HOT MIX ASPHALT
HOR	HORIZONTAL
HYD	HYDRANT
INV	INVERT
IP	INTERMEDIATE PRESSUE
L	LENGTH OF CURVE
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN	MINIMUM
NIC	NOT IN CONTRACT
NO.	NUMBER
PBS	PRINT BOTH SIDES
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	PEDESTRIAN CURB RAMP
PD	ALDYL "A" PLASTIC
P.G.L.	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PKF	PICKET FENCE
POT	POINT ON TANGENT
PRC	POINT OF REVERSE CURVATURE
PRF	POST AND RAIL FENCE
PROJ	PROJECT
PROP	PROPOSED

ABBREVIATIONS - GENERAL

PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVMT	PAVEMENT
PWW	PAVED WATER WAY
R	RADIUS OF CURVATURE
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL
ROW	RIGHT OF WAY
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
RT	RIGHT
SB	STONE BOUND
SHLDR	SHOULDER
SMH	SEWER MANHOLE
ST	STEEL
ST	STREET
STA	STATION
SSD	STOPPING SIGHT DISTANCE
SHLO	STATE HIGHWAY LAYOUT LINE
SMRW	STONE MASONRY RETAINING WALL
SRW	STONE RETAINING WALL
SW	SIDEWALK
T	TANGENT DISTANCE OF CURVE/TRUCK %
TAN	TANGENT
TEMP	TEMPORARY
TC	TOP OF CURB
TMH	TELEPHONE MANHOLE
TOS	TOP OF SLOPE
TYP	TYPICAL
UGE	UNDERGROUND ELECTRIC
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
VCC	VERTICAL CONCRETE CURB
VGC	VERTICAL GRANITE CURB
WG (or WV)	WATER GATE (WATER VALVE)
WI	WROUGHT IRON
WIF	WROUGHT IRON FENCE
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
WSO	WATER SHUT-OFF

ABBREVIATIONS - TRAFFIC SIGNAL

CAB.	CABINET
CCVE	CLOSED CIRCUIT VIDEO EQUIPMENT
DW	STEADY DON'T WALK
FDW	FLASHING DON'T WALK
FR	FLASHING CIRCULAR RED
FRL	FLASHING RED LEFT ARROW
FRR	FLASHING RED RIGHT ARROW
FY	FLASHING CIRCULAR AMBER
FYL	FLASHING AMBER LEFT ARROW
FYR	FLASHING AMBER RIGHT ARROW
G	STEADY CIRCULAR GREEN
GL	STEADY GREEN LEFT ARROW
GR	STEADY GREEN RIGHT ARROW
GSL	STEADY GREEN SLASH LEFT ARROW
GSR	STEADY GREEN SLASH RIGHT ARROW
GV	STEADY GREEN VERTICAL ARROW
OL	OVERLAP
PED	PEDESTRIAN
PTZ	PAN, TILE, ZOOM
R	STEADY CIRCULAR RED
RL	STEADY RED LEFT ARROW
RR	STEADY RED RIGHT ARROW
TR SIG	TRAFFIC SIGNAL
TSC	TRAFFIC SIGNAL CONDUIT
W	STEADY WALK
Y	STEADY CIRCULAR AMBER
YL	STEADY AMBER LEFT ARROW

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

LEGEND & ABBREVIATIONS

Sheet No.
02

Drawing file: M:\1\0\0\FB\PO\Laptop\Desktop\Remote\Projects\Tisbury, MA\1\Transportation\R161-1712.00 Main Street Sidewalk Improvements\ACAD\Sheet\02 LEGS & ABB.dwg Plot Date: May 25,2022-8:48am

SURVEY NOTES:

1. THE TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON AN ON-THE-GROUND SURVEY PERFORMED BY LANDTECH CONSULTANTS, INC. IN AUGUST 2018, SUPPLEMENTED AND REVISED BETWEEN AUGUST AND OCTOBER 2020.
2. INFORMATION SHOWN ON THE BASE PLANS ARE APPROXIMATE IN NATURE AND SHALL BE VERIFIED BY THE CONTRACTOR.
3. SUBSURFACE UTILITY INFORMATION SHOWN HEREON IS APPROXIMATE AND IS BASED ON A COMPILATION OF RECORD INFORMATION AND OBSERVABLE EVIDENCE. A SUBSURFACE INVESTIGATION WAS NOT PERFORMED.
4. THE CONTRACTOR SHALL FIELD LOCATE ALL REMAINING UTILITY STRUCTURES THAT ARE NOT SHOWN ON THE BASE PLANS.
5. THE COORDINATES OF ITEMS SHOWN ON THIS PLAN ARE IN U.S. SURVEY FEET IN THE MA. STATE PLANE COORDINATE SYSTEM REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) AS DETERMINED BY GPS OBSERVATIONS PERFORMED IN MAY 2021 UTILIZING MACORS RTK GPS NETWORK.
6. THE VERTICAL DATUM FOR THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), CORS ADJUSTMENT (NA2011/GEOID 12A) AS DETERMINED BY REDUNDANT GPS OBSERVATIONS PERFORMED IN MAY 2021 UTILIZING THE MACORS RTK GPS NETWORK.
7. THE ACCURACY OF MEASURED PIPE INVERTS AND PIPE SIZES IS SUBJECT TO FIELD CONDITIONS, THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS AND OTHER CONDITIONS.

GENERAL NOTES:

1. CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE FOLLOWING: THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 2022, THE SUPPLEMENTAL SPECIFICATIONS DATED MARCH 31, 2022, THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.
2. IT IS THE INTENT OF THE DESIGN TO PROVIDE A MINIMUM CONSTRUCTED SIDEWALK WIDTH FOR A PATH OF TRAVEL PAST ALL OBSTRUCTIONS OF 3'-0" CLEARANCE FOR ACCESSIBILITY (IN ACCORDANCE WITH THE LATEST A.D.A. AND MASSDOT REQUIREMENTS). THE CONTRACTOR SHALL VERIFY THAT ALL POTENTIAL OBSTRUCTIONS HAVE BEEN ADDRESSED IN THE PLANS INCLUDING BUT NOT LIMITED TO FOUNDATIONS, SIGNS, MAILBOXES, UTILITY POLES, AND HYDRANTS SO THEY ARE LOCATED TO PROVIDE THIS MINIMUM PATH OF TRAVEL CLEARANCE AND A MINIMUM 18" TYPICAL CLEARANCE TO THE FACE OF CURB OR 12" MIN. CLEARANCE WHERE 18" IS NOT FEASIBLE OR PRACTICAL. NO UTILITY POLES OR OBSTRUCTIONS ARE PERMITTED WITHIN PEDESTRIAN CURB RAMPS.
3. THE TERM "PROPOSED" (PROP) MEANS WORK TO BE CONSTRUCTED HEREIN USING NEW MATERIALS OR WHERE APPLICABLE, REUSING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET" (R&R). ALL OTHER MATERIALS SHALL BE "REMOVED AND DISCARDED" (R&D) OR DISPOSED OF OFF SITE WITH THE EXCEPTION OF MATERIALS LABELED AS "REMOVED AND STACKED" (R&S) WHICH SHALL BE TRANSPORTED AND AND STACKED AT A LOCATION DESIGNATED BY THE TOWN.
4. MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES INCLUDING POLICE DETAILS AND POST ALL BONDS, IF NECESSARY, ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE OWNER.
5. THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES, PRIVATE PROPERTY OR WITHIN 100 FEET OF WETLANDS, UNLESS DIRECTED TO DO SO BY THE CONTRACT DOCUMENTS.
6. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL PERFORM HIGH QUALITY AUDIO & VIDEO RECORDING OF THE EXISTING PRE-CONSTRUCTION CONDITION OF THE PROJECT AREA AND SUBMIT TO THE TOWN FOR REVIEW AND APPROVAL. (THE COST FOR THIS TASK SHALL BE CONSIDERED INCIDENTAL TO THIS PROJECT. NO PAYMENT SHALL BE REQUESTED TO THE TOWN.)
7. HIGH QUALITY AUDIO & VIDEO RECORDING SHALL BE SUBMITTED FOR TOWN REVIEW AND APPROVAL AT LEAST 2 WEEKS PRIOR TO THE COMMENCEMENT OF ANY WORK.
8. ALL EXISTING CONDITIONS SHOWN ARE APPROXIMATE AND ARE BASED ON THE BEST INFORMATION AVAILABLE. PRIOR TO THE START CONSTRUCTION VERIFY THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, NOTIFY THE OWNER AND THE TOWN PRIOR TO INSTALLING ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.
9. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS INDICATED ON THE DRAWINGS ARE BASED ON RECORDS OF VARIOUS UTILITY COMPANIES, AND WHEREVER POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY IN THE TOWN, AND "DIGSAFE" (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK IN PREVIOUSLY UNALTERED AREAS TO REQUEST EXACT FIELD LOCATION OF UTILITIES. THE CONTRACTOR MUST RESOLVE CONFLICTS BETWEEN THE PROPOSED UTILITIES AND FIELD-LOCATED UTILITIES AND REPORT ANY DISCREPANCIES TO THE TOWN IMMEDIATELY. THE TOWN ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED, INCOMPLETELY OR INACCURATELY SHOWN. THE CONTRACTOR MUST MAINTAIN ACCURATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED AND EXISTING UTILITIES FOUND DURING CONSTRUCTION FOR THE PREPARATION OF THE AS-BUILT PLAN.
10. THE CONTRACTOR SHALL COORDINATE ALL ARRANGEMENTS FOR THE ALTERATION AND OR ADJUSTMENT OF ELECTRIC, TELEPHONE, GAS AND ANY OTHER PRIVATE UTILITY.
11. SHOULD AN EXISTING UTILITY BE FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK, THE LOCATION, SIZE AND TYPE SHALL BE ACCURATELY DETERMINED WITHOUT DELAY, BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE TOWN FOR RESOLUTION OF THE CONFLICT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING OR REMODELING ALL DRAINAGE, WATER, OR SEWER STRUCTURES TO THE FINISHED ELEVATION, WITHIN THE LIMITS OF THE PROJECT, UNLESS OTHERWISE NOTED.
13. THE CONTRACTOR SHALL PERFORM TEST PITS AT LOCATIONS SHOWN ON PLANS AND AS DIRECTED BY THE TOWN AT THE STARTING OF THE PROJECT TO DETERMINE ANY POTENTIAL UTILITY CONFLICT IN ADVANCE SO ANY CONFLICT CAN BE RESOLVED IN TIME WITH THE TOWN FOR ALTERNATIVES.
14. ALL WORK TO COMPLETE THIS PROJECT AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
15. THE CONTRACTOR MUST MAINTAIN ALL EXISTING UTILITIES IN WORKING ORDER AND FREE FROM DAMAGE DURING THE ENTIRE DURATION OF THE PROJECT. REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST RELATED TO THE REPAIR OF UTILITIES. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES MUST BE DONE BY HAND.
16. COORDINATE ALL TRENCHING WORK WITHIN ROADWAYS WITH THE PROPER LOCAL & STATE AGENCY. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY INCLUDING ANY LOCAL AND/OR STATE PERMITS REQUIRED FOR THE TRENCH WORK. IF THIS WORK IS REQUIRED TO OCCUR OUTSIDE THE AGREED UPON HOURS OF OPERATION FOR THE FACILITY, THE CONTRACTOR MUST PLAN ACCORDINGLY.
17. INSTALL ALL UTILITY TRENCH WORK PRIOR TO INSTALLING NEW PAVEMENT AS INDICATED ON THE DRAWINGS.
18. IMPORT ONLY CLEAN MATERIAL. MATERIAL FROM AN EXISTING OR FORMER 21E SITE AS DEFINED BY THE MASSACHUSETTS CONTINGENCY PLAN 310 CMR 40.0000 WILL NOT BE ACCEPTED .
19. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH AND MAINTAIN ALL CONTROL POINTS AND BENCHMARKS DURING CONSTRUCTION INCLUDING BENCHMARK LOCATIONS AND ELEVATIONS AT CRITICAL AREAS. COORDINATE WITH THE TOWN THE LOCATION OF ALL CONTROL POINTS AND BENCHMARKS.

GENERAL NOTES CONTINUED:

20. SITE LAYOUT SURVEY REQUIRED FOR CONSTRUCTION MUST BE PROVIDED BY THE CONTRACTOR AND PERFORMED BY A MASSACHUSETTS' REGISTERED PROFESSIONAL LAND SURVEYOR. AS INCIDENTAL TO THIS PROJECT THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE SURVEYOR FOR ALL SITE SURVEY WORK.
21. MAINTAIN ALL GRADE STAKES SET BY THE SURVEYOR. GRADE STAKES ARE TO REMAIN UNTIL A FINAL INSPECTION OF THE ITEM HAS BEEN COMPLETED BY THE TOWN. RE-STAKING OF PREVIOUSLY SURVEYED SITE FEATURES IS THE RESPONSIBILITY (INCLUDING COST) OF THE CONTRACTOR.
22. PROVIDE ALL CONSTRUCTION SERVICE IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING NOISE, VIBRATION, DUST, SEDIMENTATION CONTAINMENT, AND TRENCH WORK.
23. COLLECT SOLID WASTES AND STORE IN A SECURED DUMPSTER. THE DUMPSTER MUST MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS.
24. REGULARLY INSPECT THE PERIMETER OF THE PROPERTY TO CLEAN UP AND REMOVE LOOSE CONSTRUCTION DEBRIS BEFORE IT LEAVES THE SITE. PROMPTLY REMOVE ALL DEMOLITION DEBRIS FROM THE SITE TO AN APPROVED DUMP SITE.
25. ALL TRUCKS LEAVING THE SITE MUST BE COVERED.
26. DO NOT WASH ANY CONCRETE TRUCKS ONSITE. REMOVE BY HAND ANY CEMENT OR CONCRETE DEBRIS LEFT IN THE DISTURBED AREA.
27. BURIAL OF ANY STUMPS, SOLID DEBRIS, AND/OR STONES/BOULDERS ONSITE IS PROHIBITED.
28. IMMEDIATELY CONTACT AND COORDINATE WITH THE TOWN IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED.
29. AT THE END OF CONSTRUCTION, REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIALS FROM THE SITE PERFORM A THOROUGH INSPECTION OF THE WORK PERIMETER. COLLECT AND REMOVE ALL MATERIALS AND BLOWN OR WATER CARRIED DEBRIS FROM THE SITE.
30. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY PASSAGE OF VEHICULAR AND PEDESTRIAN TRAFFIC IN AREAS UNDER CONSTRUCTION.
31. SHOP DRAWINGS OF ALL CASTINGS, PRECAST CONCRETE STRUCTURES, PIPE AND MANUFACTURED COMPONENTS SHALL BE SUBMITTED FOR APPROVAL BEFORE ORDERING.
32. ALL PROPOSED PAVEMENT MARKINGS SHALL MEET EXISTING MARKINGS AT THE LIMITS OF WORK.
33. DETECTABLE WARNING PANELS SHALL BE INSTALLED ON ALL PEDESTRIAN CURB RAMPS AND SHALL COMPLY WITH CONSTRUCTION STANDARD M 707.6.5. PAYMENT FOR DETECTABLE WARNING PANELS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE PEDESTRIAN CURB RAMPS OR SIDEWALKS IN WHICH THEY ARE BEING INSTALLED. THE COLOR OF DETECTABLE WARNING PANELS SHALL BE AT THE DIRECTION OF THE TOWN.
34. SEE SIGNS AND PAVEMENT MARKING PLANS FOR PROPOSED SIGNS AND DISPOSITION OF THE EXISTING SIGNS WITHIN THE PROJECT LIMITS OR AS DIRECTED BY THE TOWN.
35. DO NOT SCALE DRAWINGS UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS SHALL PREVAIL. REPORT ANY DISCREPANCIES TO THE TOWN IMMEDIATELY.
36. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). THE CONTRACTOR SHALL RESTORE ALL PUBLIC AND PRIVATE PROPERTY TO ITS PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE TOWN.
37. THE CONTRACTOR SHALL RESTORE ALL PUBLIC AND PRIVATE PROPERTY TO ITS PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE TOWN.
38. IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR NOTIFICATION TO THE RESPECTIVE UTILITY COMPANY. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR TEMPORARY BRACING OF UTILITIES.
39. ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO THE TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. INJURY TO ANY SUCH STRUCTURE CAUSED BY, OR RESULTING FROM, THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE RESPECTIVE UTILITY AND THE TOWN.
40. THE CONTRACTOR IS TO TAKE SPECIAL CARE NOT TO DAMAGE TREES, BUSHES, PLANTS, FLOWERS, STONEWALLS, FENCES, ETC. WITHIN THE CONSTRUCTION AREA UNLESS THEY ARE NOTED TO BE REMOVED. CONTRACTOR SHALL REPLACE AT NO COST TO OWNER, ALL DAMAGED ITEMS.
41. CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR, ALL CURBS, SIDEWALKS, PAVEMENT AND OTHER ITEMS DAMAGED BY HIS CONSTRUCTION ACTIVITIES TO AT LEAST THEIR ORIGINAL CONDITION, AND TO THE SATISFACTION OF THE TOWN.
42. ANY TRAFFIC SIGNAL EQUIPMENT (LIGHTS, CONDUITS, LOOP DETECTORS) DISTURBED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS DIRECTED BY THE TOWN AT THE CONTRACTOR'S EXPENSE.
43. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES AS NECESSARY AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
44. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A TELEPHONE NUMBER WHERE THE CONTRACTOR CAN BE REACHED 24 HOURS A DAY, 7 DAYS A WEEK.
45. THE LOCATION AND LIMITS OF ALL ON-SITE WORK AND STORAGE AREAS SHALL BE REVIEWED/COORDINATED WITH, AND ACCEPTABLE TO THE TOWN. THE CONTRACTOR SHALL LIMIT ACTIVITIES TO THESE AREAS.
46. THE CONTRACTOR SHALL BE REQUIRED TO TEMPORARILY PAVE ALL DISTURBED TRAVEL WAYS, SIDEWALKS & DRIVEWAYS NOT UNDER CONSTRUCTION OR IF LEFT DURING NON WORKING HOURS AND AS REQUIRED BY THE TOWN.
47. DRAINAGE ELEVATIONS ARE PROVIDED FOR BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL CONDUCT TEST PITS TO VERIFY THE LOCATION OF EXISTING UTILITIES WHICH MAY CONFLICT WITH THE PROPOSED DRAINAGE DESIGN. FIELD ADJUSTMENTS, IF REQUIRES, SHALL BE MADE AS APPROVED OR DIRECTED BY THE TOWN. STRUCTURES SHALL NOT BE ORDERED UNTIL THE CONTRACTOR VERIFIES ELEVATIONS FOR THE CONSTRUCTABILITY OF THE DRAINAGE SYSTEM. FIELD ADJUSTMENTS TO LINE AND GRADE UP TO A DEPTH OF 5 FEET SHALL BE INCLUDED IN THE COST OF THE PIPE.

STORMWATER FACILITY OPERATION & MAINTENANCE

THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER MANAGEMENT FACILITIES AS OUTLINED BELOW UNTIL SUCH TIME THAT THE ROADWAYS AND ASSOCIATED UTILITIES ARE ACCEPTED BY THE OWNER AND THE TOWN.

1. INSPECT AND RESTORE/CLEAN ALL FACILITIES (INLETS, MANHOLES, INFILTRATION BASINS, ETC.) OF SEDIMENT AND DEBRIS PRIOR TO THE OWNER'S ACCEPTANCE.
2. REMOVE AND DISPOSE ALL SEDIMENT AND DEBRIS AT A PRE-APPROVED LOCATION AS APPROVED BY THE TOWN.
3. REFER TO THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR ADDITIONAL INFORMATION PERTAINING TO STORMWATER FACILITY OPERATION AND MAINTENANCE REQUIREMENTS. MAINTAIN A WORKING COPY OF THE SWPPP ON SITE AT ALL TIMES.
4. INSPECT AFTER EVERY MAJOR RAINFALL EVENT FOR THE ENTIRE DURATION OF THE CONSTRUCTION PROJECT AND THE FIRST 3 MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION AND CONSTRUCTION.
5. MAINTENANCE REQUIRED FOR DRAINAGE STRUCTURES (INLETS, MANHOLES & CATCHBASINS): ALL DRAINAGE STRUCTURES WILL BE INSPECTED BY THE CONTRACTOR TO MONITOR FOR PROPER OPERATION, COLLECTION OF LITTER OR TRASH, AND STRUCTURAL DETERIORATION. THE BASINS WILL BE CLEANED OF SEDIMENT (INCLUDING SUMPS) AS NECESSARY, AND REPAIRED WHEN REQUIRED.

EROSION & SEDIMENT CONTROL (ESC) NOTES:

1. THE CONTRACTOR SHALL DESIGNATE ON-SITE PERSONNEL RESPONSIBLE FOR THE DAILY INSPECTION AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROLS AND IMPLEMENTATION OF ALL NECESSARY MEASURES TO CONTROL EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE.
2. INSTALL ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES AS INDICATED ON DRAWINGS IN CONSULTATION WITH THE TOWN BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN. INSPECT, MAINTAIN, REPAIR AND REPLACE EROSION CONTROL MEASURES, AS NECESSARY, DURING THE ENTIRE CONSTRUCTION PERIOD OF THE PROJECT. THE SITE PERIMETER EROSION CONTROLS ARE THE DESIGNATED LIMIT OF WORK. INFORM ALL PERSONNEL WORKING ON THE PROJECT SITE THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
3. KEEP THE LIMIT OF CLEARING, GRADING AND DISTURBANCES TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. PHASE THE SITE WORK IN A MANNER TO MINIMIZE AREAS OF EXPOSED SOIL. IF TREES ARE TO BE CUT, CLEAR AND GRUB ONLY THOSE AREAS WHICH ARE ACTIVELY UNDER CONSTRUCTION. PROPERLY INSTALL THE SEDIMENTATION CONTROLS PRIOR TO BEGINNING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK.
4. MONITOR LOCAL WEATHER REPORTS DURING CONSTRUCTION AND PRIOR TO SCHEDULING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES WHICH LEAVE LARGE DISTURBED AREAS UNSTABILIZED. IF INCLEMENT WEATHER IS PREDICTED, USE BEST PROFESSIONAL JUDGEMENT AND GOOD CONSTRUCTION PRACTICES WHEN SCHEDULING CONSTRUCTION ACTIVITIES AND ENSURE THE NECESSARY EROSION CONTROL DEVICES ARE INSTALLED AND FUNCTIONING PROPERLY TO MINIMIZE EROSION FROM ANY IMPENDING WEATHER EVENTS.
5. INSPECT EROSION AND SEDIMENT CONTROL DEVICES AND STABILIZED SLOPES ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT OF .25 INCH OR GREATER. REPAIR IDENTIFIED PROBLEMS WITHIN 24 HOURS TO ENSURE EROSION AND SEDIMENT CONTROLS ARE IN GOOD WORKING ORDER. RESET OR REPLACE MATERIALS AS REQUIRED.
6. SURROUND THE PERIMETER OF SOIL STOCKPILES WITH SILT SOCK, SILT FENCE, STRAWBALES, OR A COMBINATION OF SILT FENCE WITH STRAWBALE, AS DETERMINED NECESSARY.
7. DISTURBED AREAS AND SLOPES MUST NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. PROVIDE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED. REINFORCE TEMPORARY AREAS HAVING A SLOPE GREATER THAN 4:1 WITH EROSION BLANKETS OR APPROVED EQUAL UNTIL THE SITE IS PROPERLY STABILIZED. TEMPORARY SWALES MAY ALSO BE REQUIRED IF DETERMINED NECESSARY IN THE FIELD BY THE TOWN.
8. INSTALL A CATCH BASIN SILT SACK OR APPROVED EQUIVALENT IN EACH EXISTING CATCH BASIN RECEIVING RUNOFF FROM THE SITE. UPON THE INSTALLATION OF EACH CATCH BASIN, INSTALL SILT SACK OR APPROVED EQUIVALENT. INSPECT SILT SACKS, AFTER EACH SIGNIFICANT STORM EVENT AND REMOVE AND EMPTY AS NEEDED FOR THE DURATION OF THE CONSTRUCTION PERIOD.
9. SILT SACKS SHALL BE INSTALLED AT THE CLOSEST SET OF CATCH BASINS BEYOND THE PROJECT LIMITS DOWNSTREAM OF THE PROJECT LIMITS AND AS DIRECTED BY THE TOWN AND OR ENGINEER.
10. SMALL SEDIMENTATION BASINS MAY BE CONSTRUCTED ON AN AS-NEEDED BASIS DURING CONSTRUCTION TO AID IN THE CAPTURE OF SITE RUNOFF AND SEDIMENT. IT WILL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR, IN CONSULTATION WITH THE TOWN, TO SIZE AND CREATE THESE BASINS IN APPROPRIATE LOCATIONS.
11. CONTAIN ALL SEDIMENT ON SITE. SWEEP ALL EXITS FROM THE SITE AS NECESSARY INCLUDING ANY SEDIMENT TRACKING. SWEEP PAVED AREAS AS NEEDED TO REMOVE SEDIMENT AND POTENTIAL POLLUTANTS ACCUMULATED DURING SITE CONSTRUCTION.
12. REMOVE ACCUMULATED SEDIMENT FROM ALL TEMPORARY PRACTICES AND DISPOSE OF IN A PRE-APPROVED LOCATION.
13. TO ENSURE ALL EROSION AND SEDIMENTATION CONTROL DEVICES ARE PROPERLY MAINTAINED AND REPAIRED IN A TIMELY AND RESPONSIBLE MANNER, PROVIDE ON SITE OR MAKE READILY AVAILABLE, THE NECESSARY EQUIPMENT AND SITE PERSONNEL DURING CONSTRUCTION HOURS FOR THE DURATION OF THE PROJECT. IF SITE WORK IS SUSPENDED DURING THE WINTER MONTHS THE CONTRACTOR MUST CONTINUE TO PROVIDE PERSONNEL AND EQUIPMENT ON SITE OR READILY AVAILABLE.
14. CONTROL DUST BY WATERING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE TOWN.

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

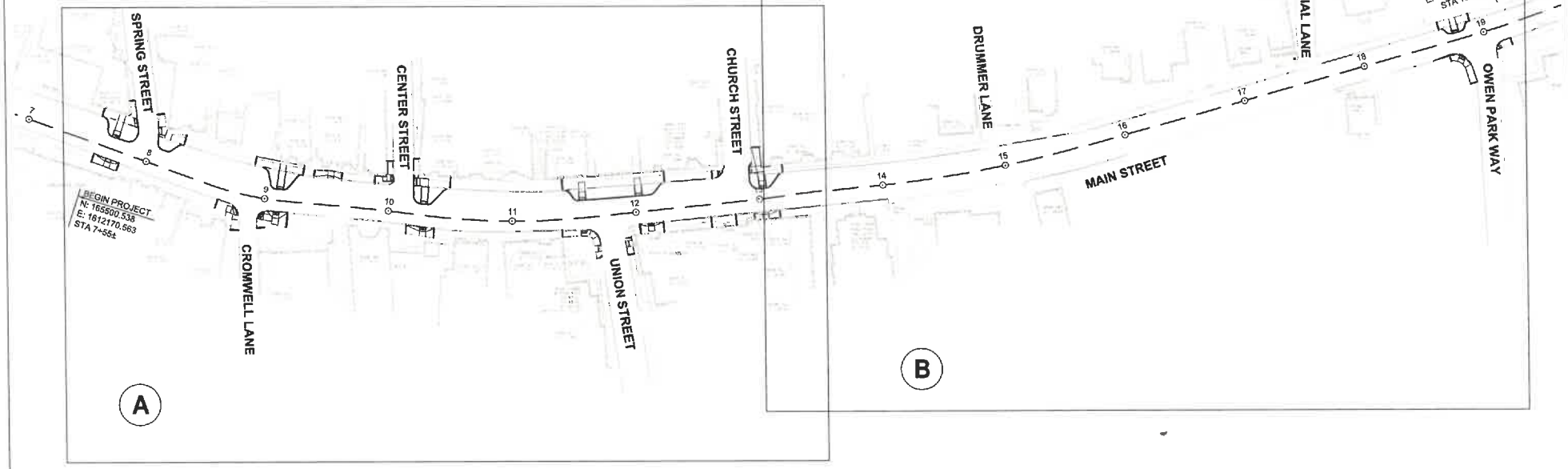
GENERAL NOTES

Sheet No. 03

Drawing file: \\ATOMIC\PROJ\Projects\Tisbury\161\Transportation\ACAD\Sheets\003 GEN NOTES.dwg Plot Date: May 25,2022-8:48am

SHEET REFERENCE	A	B
DRAWING TITLE:	DRAWING NUMBER:	
SURVEY CONTROL PLANS	11	12
CONSTRUCTION PLANS	13	14
CURB TIE & GRADING PLANS	15	16
CURB DATA PLANS	17	18
UTILITY PLANS	19	20
TRAFFIC SIGN & PAVEMENT MARKING PLANS	21	22
LANDSCAPING PLANS	27	28

N



0 40 100 160

SCALE: 1" = 40'

ENVIRONMENTAL PARTNERS
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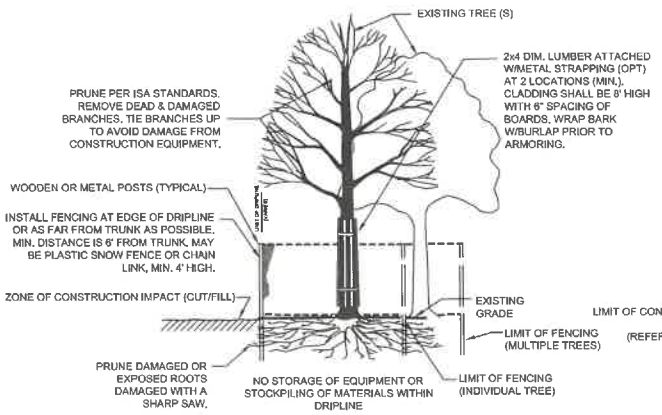
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

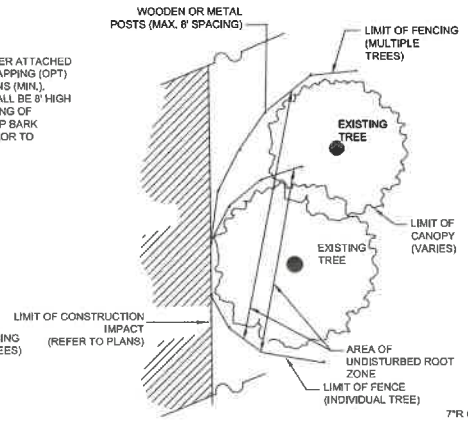
KEY PLAN

Sheet No.
04

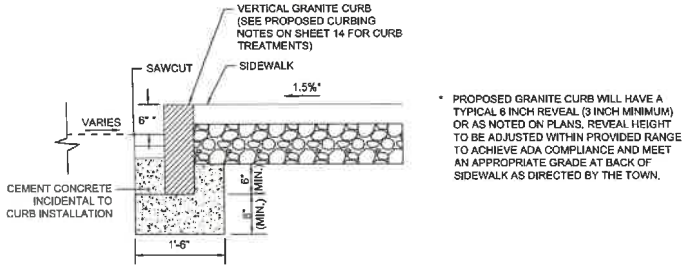
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TREE PROTECTION DETAIL
N.T.S.

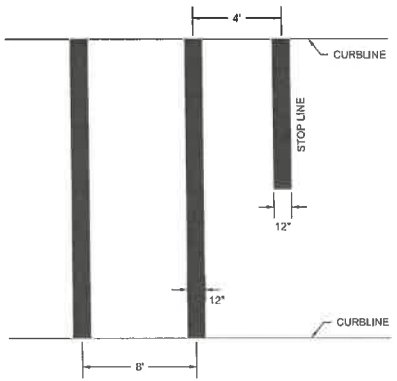


PLAN VIEW
N.T.S.



* PROPOSED GRANITE CURB WILL HAVE A TYPICAL 6 INCH REVEAL (3 INCH MINIMUM) OR AS NOTED ON PLANS. REVEAL HEIGHT TO BE ADJUSTED WITHIN PROVIDED RANGE TO ACHIEVE ADA COMPLIANCE AND MEET AN APPROPRIATE GRADE AT BACK OF SIDEWALK AS DIRECTED BY THE TOWN.

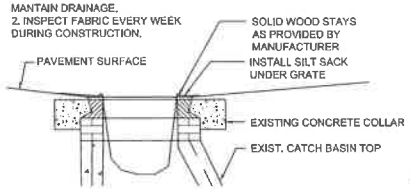
METHOD OF SETTING GRANITE CURB
N.T.S.



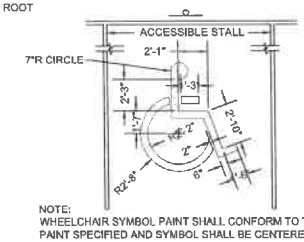
NOTES:
1. ALL 12" THERMOPLASTIC LINES SHALL BE APPLIED IN ONE APPLICATION. NO COMBINATION OF LINES (TWO - 6" LINES) WILL BE ACCEPTED.
2. LAYOUT OF CROSSWALKS SHALL BE APPROVED BY THE TOWN PRIOR TO APPLICATION OF THERMOPLASTIC.
3. ALL CROSSWALKS INSTALLED SHALL CONFORM TO THE RELEVANT PROVISIONS OF THE MASSACHUSETTS HIGHWAY DEPARTMENT "STANDARD SPECIFICATION FOR HIGHWAY AND BRIDGES" DATED 2022 AND THE SUPPLEMENTAL SPECIFICATION DATED MARCH 31, 2022 , SECTION 860 FOR REFLECTORIZED PAVEMENT MARKINGS (THERMOPLASTIC) & MATERIAL M7.01.03.

STANDARD CROSSWALK DETAIL
N.T.S.

NOTES:
1. REMOVE ACCUMULATED SEDIMENTS AS REQUIRED TO MANTAIN DRAINAGE.
2. INSPECT FABRIC EVERY WEEK DURING CONSTRUCTION.



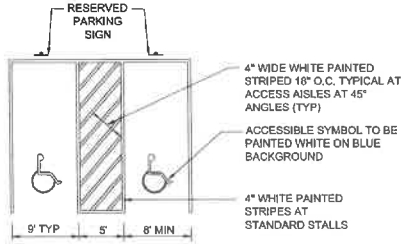
SILT SACK
N.T.S.



1. LOCATE SYMBOL SO THAT IT CANNOT BE OBSCURED BY A CAR PARKED IN THE SPACE (2' BEHIND CURB OR 2' BEHIND WALK, AS APPLICABLE)
2. CONFORM TO LOCAL CODES

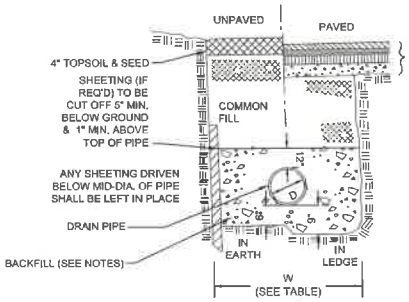
NOTE:
WHEELCHAIR SYMBOL PAINT SHALL CONFORM TO THE STRIPING PAINT SPECIFIED AND SYMBOL SHALL BE CENTERED IN THE STALL

ACCESSIBLE PARKING STALL SYMBOL
N.T.S.



REGULAR ACCESSIBLE PARKING SPACE
N.T.S.

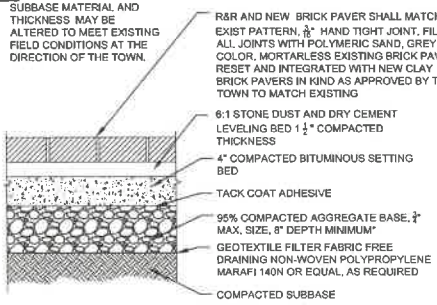
TRENCH WIDTH		
D DIAMETER OF PIPE	W UNSHEETED	W SHEETED
TO 12"	3'	4'
14" TO 24"	4'	5'
30" TO 36"	5'	6'



PERMANENT TRENCH PATCH
N.T.S.

NOTES:
- ALL TRENCH CONSTRUCTION TO CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
- COMPACT FILL AND TAMP PIPE TO 93% MAX. DENSITY UNLESS OTHERWISE SPECIFIED.
- COMMON FILL MATERIAL TO CONSIST OF GRANULAR MATERIAL CONTAINING NO STONES LARGER THAN 6" IN GREATEST DIMENSION.
- BACKFILL WITH SELECT MATERIAL CONTAINING NO STONES LARGER THAN 3" IN GREATEST DIMENSION TO 12" OVER PIPE FOR SEWER AND DRAIN PIPES.
- PROVIDE SCREENED GRAVEL BEDDING TO MID PIPE DIAMETER WHERE GROUNDWATER IS ENCOUNTERED AS DIRECTED BY THE TOWN.
- REMOVE UNSUITABLE MATERIAL BELOW GRADE IF ENCOUNTERED, TO SUITABLE DEPTHS AS DIRECTED BY TOWN AND REPLACE WITH CLEAN GRANULAR FILL.
- PAYMENT FOR HMA TRENCH PATCHING SHALL BE PAID FOR UNDER ITEM 451. HMA FOR PATCHING.

NOTE:
- SUBBASE MATERIAL AND THICKNESS MAY BE ALTERED TO MEET EXISTING FIELD CONDITIONS AT THE DIRECTION OF THE TOWN.



BRICK PAVER DETAIL
N.T.S.

ENVIRONMENTAL PARTNERS
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MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

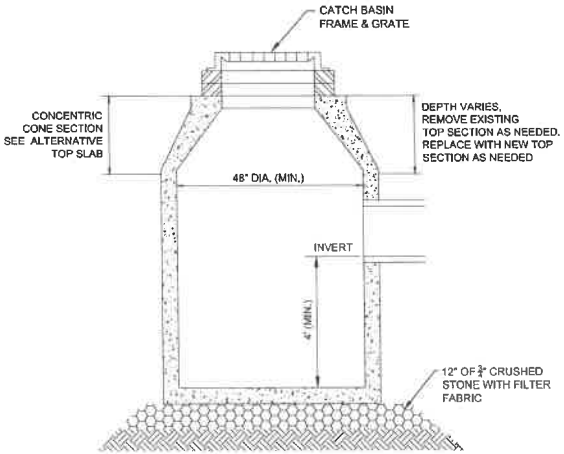
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

CONSTRUCTION DETAILS - 01

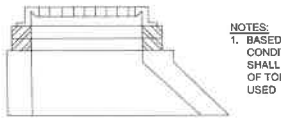
Sheet No. 05

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CATCH BASIN DETAIL

N.T.S.



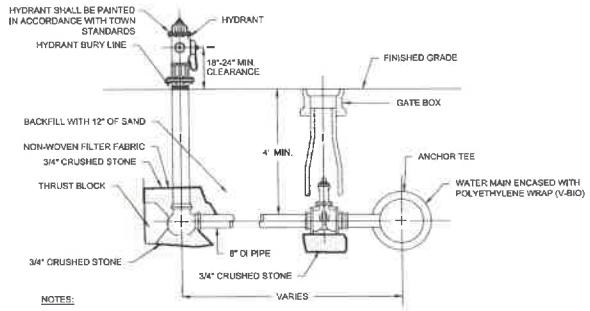
ALTERNATIVE ECCENTRIC CONE SECTION

N.T.S.

NOTES:
1. BASED ON ACTUAL, FIELD CONDITIONS; THE CONTRACTOR SHALL DETERMINE WHICH STYLE OF TOP SECTION SHOULD BE USED



ALTERNATIVE TOP SLAB



NOTES:
1. PRIOR TO INSTALLATION, CONFIRM FINAL HEIGHT OF HYDRANT WITH ENGINEER AND OWNER. FINAL HEIGHT SHALL MATCH PROPOSED GRADES FOR FUTURE ROADWAY IMPROVEMENTS PROJECT.
2. CONFIRM HYDRANT LOCATION WITH OWNER, ENGINEER AND FIRE DEPARTMENT PRIOR TO EXCAVATION.
3. ALL HYDRANT, VALVE, AND TEE JOINTS SHALL HAVE RESTRAINED MECHANICAL JOINTS.
4. DEPTH OF HYDRANT BURY SHALL SUIT INSTALLED DEPTH OF COVER OVER WATER MAIN. INSTALL RISERS AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.

HYDRANT ASSEMBLY DETAIL

SCALE: N.T.S.

PAVEMENT NOTES

PROPOSED EXPOSED AGGREGATE CEMENT CONCRETE SIDEWALK

SURFACE:	4" EXPOSED AGGREGATE CEMENT CONCRETE AIR ENTRAINED (4000 PSI, ¾" 610 LB) OVER
SUBBASE:	8" GRAVEL BORROW, TYPE B

PROPOSED EXPOSED AGGREGATE CEMENT CONCRETE PEDESTRIAN CURB RAMP

SURFACE:	6" EXPOSED AGGREGATE CEMENT CONCRETE AIR ENTRAINED (4000 PSI, ¾" 610 LB) OVER
SUBBASE:	8" GRAVEL BORROW, TYPE B

PROPOSED LOAM & SEED

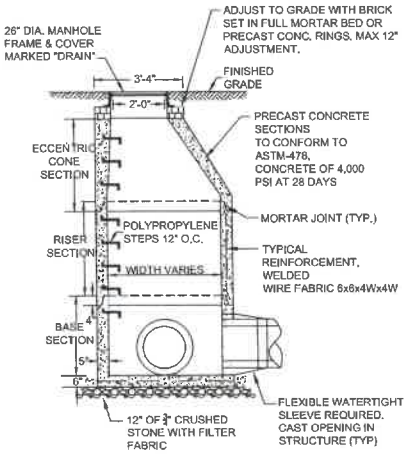
SURFACE:	4" LOAM BORROW
SUBBASE:	VARIABLE DEPTH SUITABLE EXCAVATED MATERIAL OR GRAVEL BORROW, TYPE B (AS DIRECTED BY THE TOWN)

PROPOSED BRICK SIDEWALK AND PEDESTRIAN CURB RAMP

SURFACE:	EXISTING BRICK RESET, INTEGRATED WITH NEW CLAY BRICK PAVER AS DIRECTED, JOINT FILLED WITH POLYMERIC SAND
SUBBASE:	6:1 STONE DUST AND DRY CEMENT LEVELING BED 1 ½" COMPACTED THICKNESS OVER 4" MIN. COMPACTED BITUMINOUS CONCRETE, OVER TACK ADHESIVE BASE. OVER 8" 95% COMPACTED AGGREGATE (¾" MAX. SIZE)

NOTES:

1. SEE PROPOSED CURBING NOTES ON SHEET 14 FOR THE PROPOSED CURBING STYLE ALTERNATES.
2. ALL SAWCUTS WITHIN THE PROJECT LIMITS SHALL BE SEALED WITH LIQUID ASPHALT SEALER AND SHALL BE CONSIDERED INCIDENTAL TO THE CURBING ITEMS.
3. DURING EXCAVATION, MATERIALS DEEMED BY THE TOWN TO BE SUITABLE WILL BE RETAINED OR USED AS GRAVEL BORROW FOR FILL AREA. ANY SOILS DETERMINED TO BE UNSUITABLE BY THE TOWN SHALL BE REMOVED AND REPLACED WITH SUITABLE SUBBASE MATERIAL AS IDENTIFIED ABOVE.
4. GRAVEL BORROW TYPE B SHALL ONLY BE USED WHEN NO SUITABLE EXCAVATED MATERIAL CAN BE UTILIZED AS APPROVED BY THE TOWN.

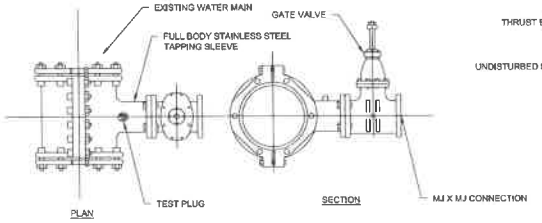


PRECAST CONCRETE DRAIN MANHOLE

N.T.S.

NOTES:

1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. REINFORCED STEEL TO CONFORM TO LATEST ASTM A185 SPEC.
3. H-20 LOADING PER AASHTO HS-20-44; ASTM C478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
4. STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC STEP TO CONFORM TO LATEST ASTM C478 SPEC.
5. PAVING LIMIT FOR MANHOLES 0-12' IN DEPTH SHALL BE 3' BEYOND THE ID OF THE MANHOLE.
6. PAVING LIMIT FOR MANHOLES GREATER THAN 12' AND UP TO 18' IN DEPTH SHALL BE 4' BEYOND THE ID OF THE MANHOLE.
7. FILL ALL LIFTING HOLES WITH HYDRAULIC CEMENT (NON-SHRINK) MORTAR.



TAPPING SLEEVE AND GATE VALVE

SCALE: N.T.S.

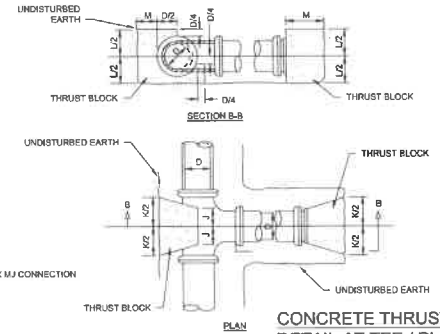


TABLE OF DIMENSIONS						
D (in)	4	6	8	10	12	14
J (in)	8	6	7	9	10	12
K (in)	16	16	20	26	32	36
L (in)	16	16	21	24	29	34
M (in)	11	11	14	16	19	22

CONCRETE THRUST BLOCK DETAIL AT TEE / PLUG/CAP

SCALE: N.T.S.

ENVIRONMENTAL PARTNERS
— An Apex Company —

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
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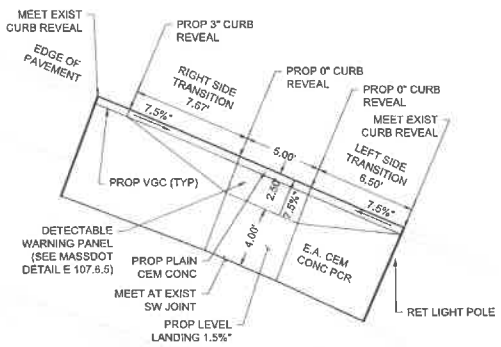
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

CONSTRUCTION DETAILS - 02

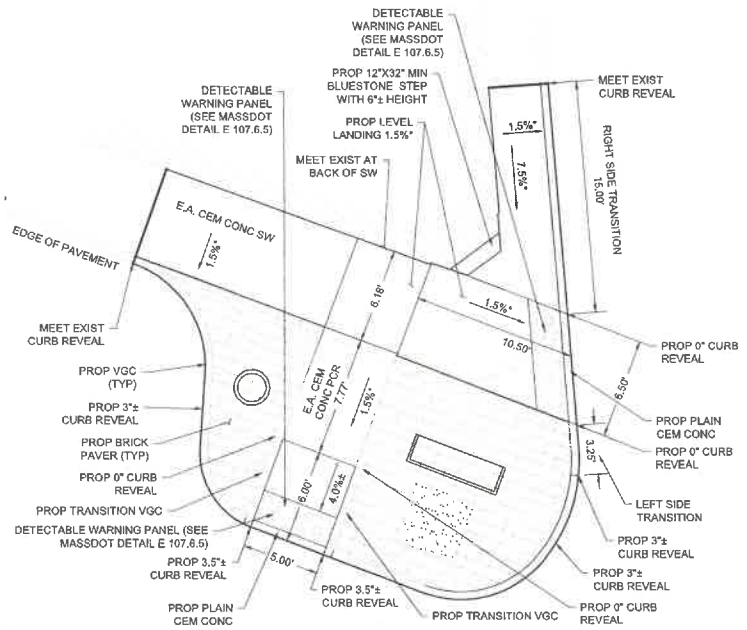
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06

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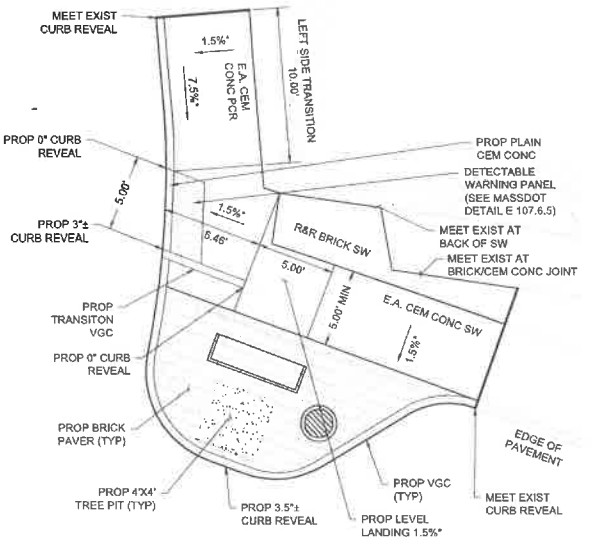
PEDESTRIAN CURB RAMP #1

N.T.S.



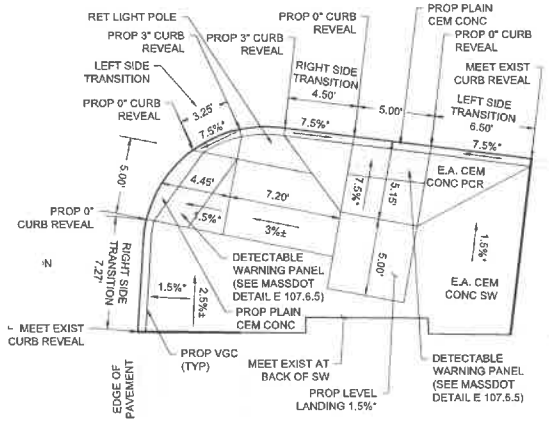
PEDESTRIAN CURB RAMP #2 AND #3

N.T.S.



PEDESTRIAN CURB RAMP #4

N.T.S.



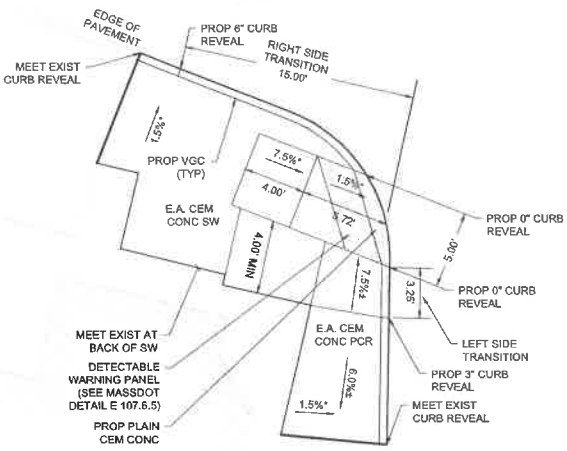
PEDESTRIAN CURB RAMP #6 AND #7

N.T.S.

NOTES:

1. GRADES AND DIMENSIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. ACTUAL FIELD CONDITIONS MAY VARY AND ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ENSURE ADA COMPLIANCE.
3. ANY DISCREPANCIES SHALL BE REPORTED TO THE TOWN FOR RESOLUTION PRIOR TO ADVANCING ANY WORK.

* 0.5%± CONSTRUCTION TOLERANCE



PEDESTRIAN CURB RAMP #5

N.T.S.

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

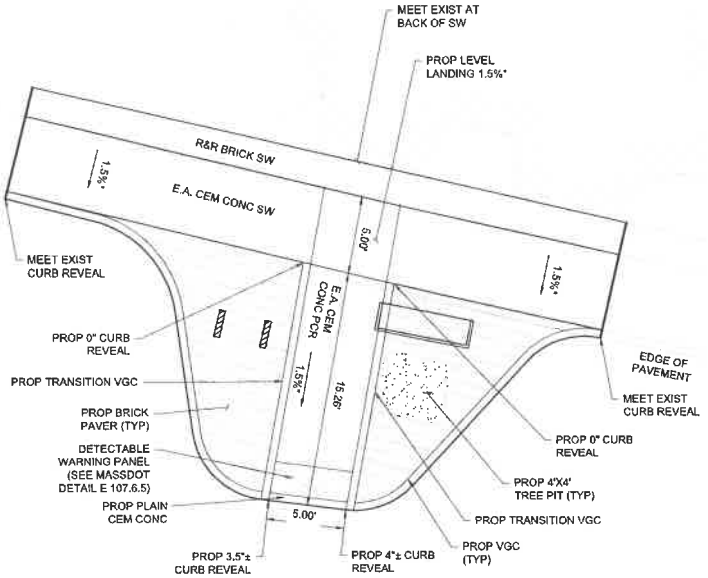
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

PEDESTRIAN CURB RAMP DETAILS - 01

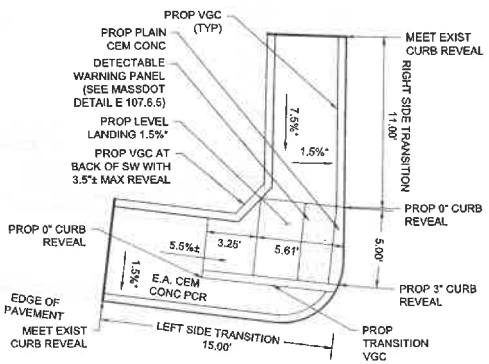
Sheet No. 07

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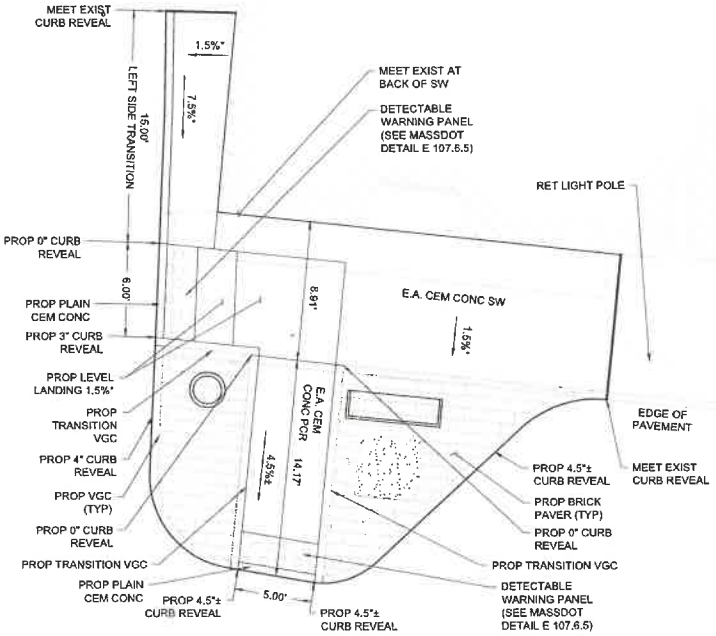
PEDESTRIAN CURB RAMP #8

N.T.S.



PEDESTRIAN CURB RAMP #10

N.T.S.



PEDESTRIAN CURB RAMP #11 AND #12

N.T.S.

NOTES:
1. GRADES AND DIMENSIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. ACTUAL FIELD CONDITIONS MAY VARY AND ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK.
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* 0.5%± CONSTRUCTION TOLERANCE

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

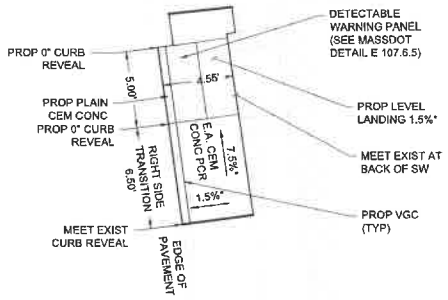
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

PEDESTRIAN CURB RAMP DETAILS - 02

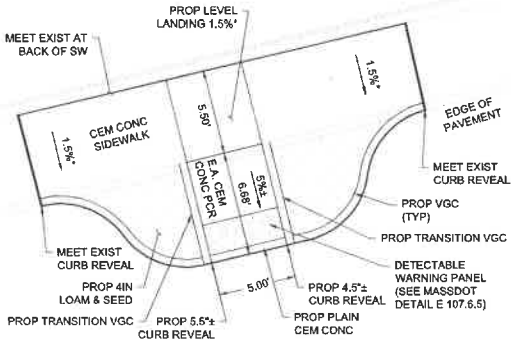
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Drawing file: I:\A1\00\FS\PD1\Layouts\Civil\mxd\pyProjects\Tisbury, 1611\Transactions\R161 - 1712.00 Main Street Sidewalk Improvements\ACAD\Sheet\N8 PCR.dwg Plot Date: May 25, 2022 - 12:48pm



PEDESTRIAN CURB RAMP #17

N.T.S.

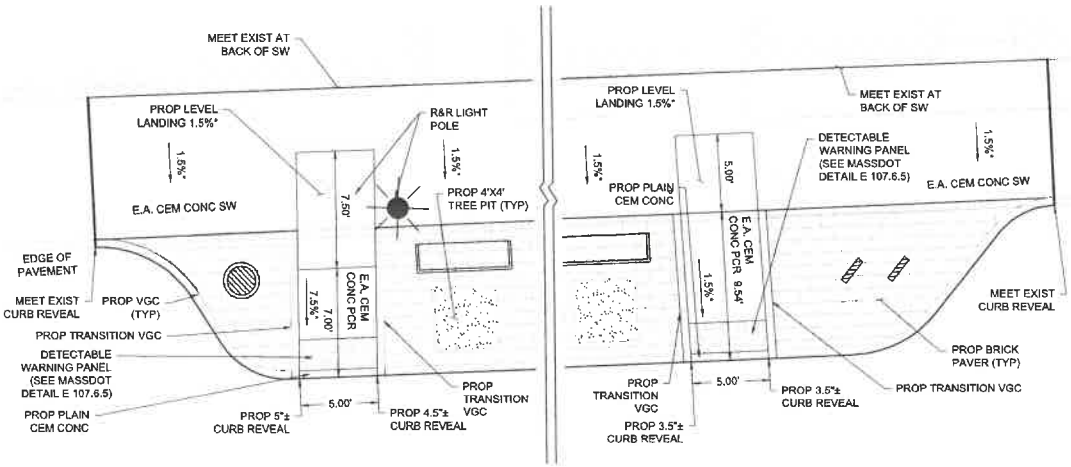


PEDESTRIAN CURB RAMP #24

N.T.S.

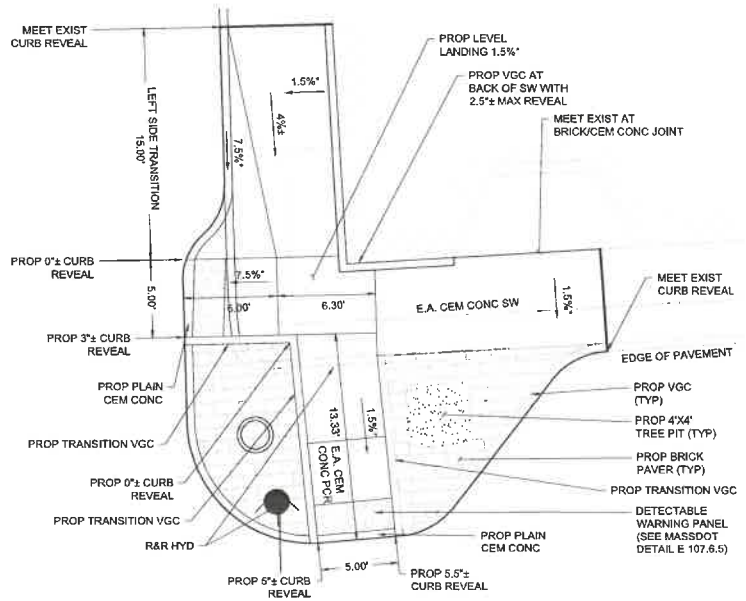
NOTES:
1. GRADES AND DIMENSIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. ACTUAL FIELD CONDITIONS MAY VARY AND ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK.
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* 0.5%± CONSTRUCTION TOLERANCE



PEDESTRIAN CURB RAMP #14 AND #19

N.T.S.



PEDESTRIAN CURB RAMP #21 AND #22

N.T.S.

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

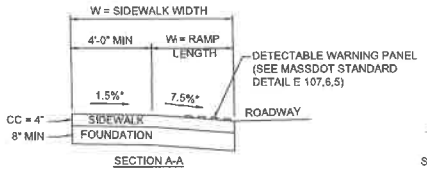
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

PEDESTRIAN CURB RAMP DETAILS - 03

Sheet No. 09

Drawing file: M:\1000\39\01\ spencer.best\Pre-sync\Projects\Tisbury, MS\1\transportation\161-1712.00 Main Street Sidewalk_Improvements\ACAD\Sheet\06 PCR.dwg Plot Date: May 09,2022-12:45pm



SECTION A-A

LEGEND:

W SIDEWALK WIDTH

Wc CURB WIDTH

W1 PERPENDICULAR RAMP LENGTH

CC CEMENT CONCRETE

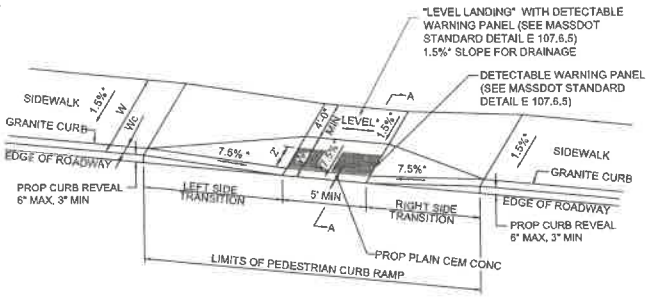
* TOLERANCE FOR CONSTRUCTION ±0.5%

** 3IN CURB REVEAL

USABLE SIDEWALK WIDTH PER AAB = Wc-W

USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'0"

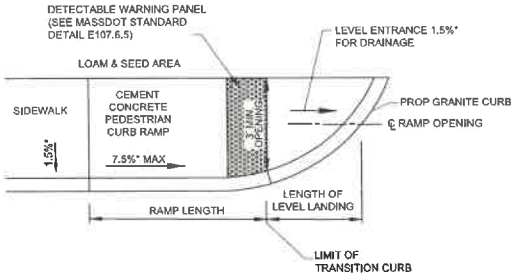
PEDESTRIAN CURB RAMPS WILL BE FITTED WITH DETECTABLE WARNING PANELS (SEE MASSDOT STANDARD DETAIL E 107.6.5)



PEDESTRIAN CURB RAMP ON SIDEWALK NARROWER THAN 12'-4"

N.T.S.

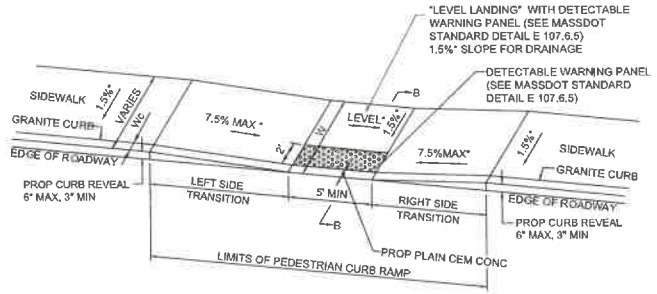
PCR #	ALIGNMENT	RAMP REFERENCE POINT		LENGTH OF PRIMARY RAMP (W_1)	DEPTH OF LEVEL LANDING	WIDTH OF SIDEWALK (W)	WIDTH OF RAMP (MIN 5.00')	ROADWAY GUTTER SLOPE (±)	TRANSITION LENGTH	
		STATION	OFFSET						LEFT	RIGHT
9	MAIN STREET	9+51.60	21.15' LT	2.50'	4.00'	8.75' MIN	5.00'	-2.50%	11.00'	6.50'
13	MAIN STREET	10+28.96	9.05' RT	3.75'	4.00'	7.75'	5.00'	-2.35%	6.50'	11.00'
18	MAIN STREET	12+11.06	9.65' RT	2.50'	4.00'	8.20'	5.00'	+4.85%	**7.50'	6.50'
23	MAIN STREET	13+03.27	10.45' RT	2.50'	3.50'	8.00'	5.00'	+3.45%	9.00'	6.50'



PEDESTRIAN CURB RAMP (CONTINUOUS DIRECTION DETAIL)

N.T.S.

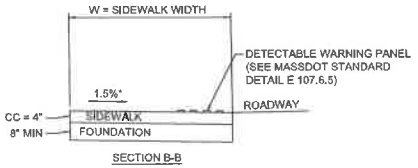
PCR #	ALIGNMENT	RAMP REFERENCE POINT		LENGTH OF LEVEL LANDING	WIDTH OF RAMP (MIN 3.00')	WIDTH OF SIDEWALK (W)	TRANSITION	
		STATION	OFFSET				ROADWAY GRADE (±)	LENGTH
20	CHURCH STREET	70+24.17	11.55' LT	1.95'	3.00'	6.00'	+2.35%	6.50'
26	OWEN PARK WAY	80+13.65	7.95' LT	1.90'	5.00'	5.50'	+2.90%	11.00'



PEDESTRIAN CURB RAMP ON NARROW SIDEWALK

N.T.S.

PCR #	ALIGNMENT	RAMP REFERENCE POINT		WIDTH OF SIDEWALK (W)	WIDTH OF RAMP (MIN 5.00')	ROADWAY GUTTER SLOPE (±)	TRANSITION LENGTH	
		STATION	OFFSET				LEFT	RIGHT
15	MAIN STREET	11+56.67	9.95' RT	5.00' MIN	5.00'	-4.65%	**3.25'	14.75'
25	MAIN STREET	18+78.44	14.00' RT	5.00' MIN	5.00'	+1.50%	6.50'	8.55'



SECTION B-B

LEGEND:

W SIDEWALK WIDTH

Wc CURB WIDTH

CC CEMENT CONCRETE

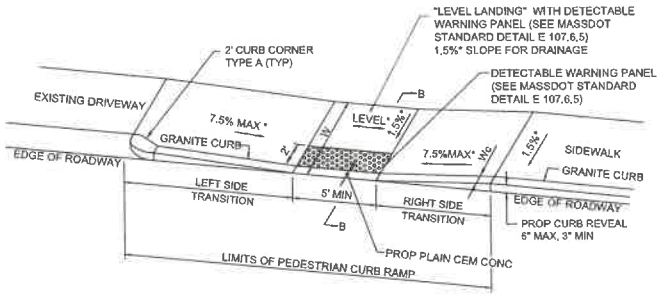
* TOLERANCE FOR CONSTRUCTION ±0.5%

** 3IN CURB REVEAL

USABLE SIDEWALK WIDTH PER AAB = W - Wc

USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'0"

PEDESTRIAN CURB RAMPS WILL BE FITTED WITH DETECTABLE WARNING PANELS (SEE MASSDOT STANDARD DETAIL E 107.6.5)



PEDESTRIAN CURB RAMP ON NARROW SIDEWALK (ADJACENT TO DRIVEWAY)

N.T.S.

PCR #	ALIGNMENT	RAMP REFERENCE POINT		WIDTH OF SIDEWALK (W)	WIDTH OF RAMP (MIN 5.00')	ROADWAY GUTTER SLOPE (±)	TRANSITION LENGTH	
		STATION	OFFSET				LEFT	RIGHT
16	UNION STREET	60+25.15	10.35' RT	5.00'	5.00'	-7.50%	5.00'	**7.75'

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

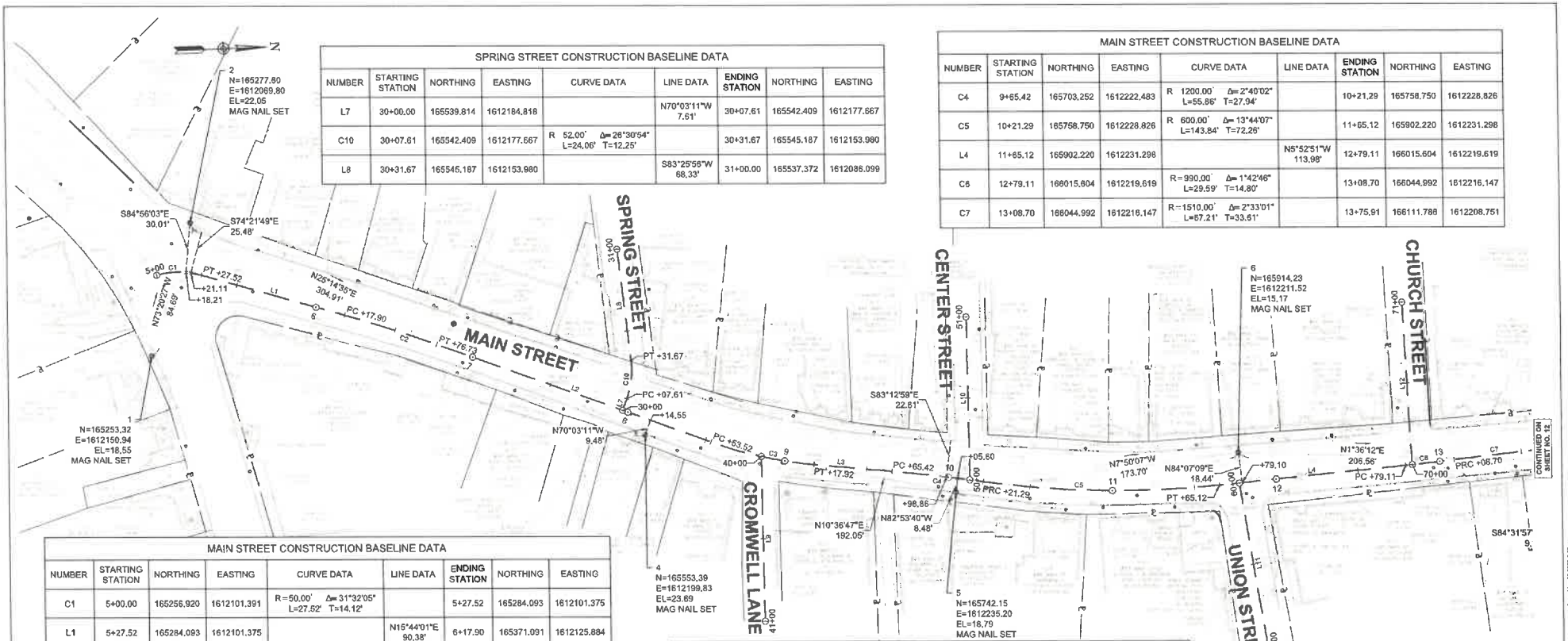
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

PEDESTRIAN CURB RAMP DETAILS - 04

Sheet No. 10

Drawing file: \\A-10\MF\SVP01\.spaces\collinsep\Projects\Tisbury-1611\resposition\161-1712.00 Main Street Sidewalk Improvements\ACAD\Sheets\PCR.dwg Plot Date: May 26, 2022 - 12:45pm



SPRING STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L7	30+00.00	165539.814	1612184.818		N70°03'11"W 7.61'	30+07.61	165542.409	1612177.667
C10	30+07.61	165542.409	1612177.667	R 52.00' Δ=26°30'54" L=24.06' T=12.25'		30+31.67	165545.187	1612153.980
L8	30+31.67	165545.187	1612153.980		S83°25'56"W 68.33'	31+00.00	165537.372	1612086.099

MAIN STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C4	9+65.42	165703.252	1612222.483	R 1200.00' Δ=2°40'02" L=55.86' T=27.94'		10+21.29	165758.750	1612228.826
C5	10+21.29	165758.750	1612228.826	R 600.00' Δ=13°44'07" L=143.84' T=72.26'		11+65.12	165902.220	1612231.298
L4	11+65.12	165902.220	1612231.298		N5°52'51"W 113.98'	12+79.11	166015.604	1612219.619
C6	12+79.11	166015.604	1612219.619	R=990.00' Δ=1°42'46" L=29.59' T=14.80'		13+08.70	166044.992	1612216.147
C7	13+08.70	166044.992	1612216.147	R=1510.00' Δ=2°33'01" L=67.21' T=33.61'		13+75.91	166111.788	1612208.751

MAIN STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	5+00.00	165256.920	1612101.391	R=50.00' Δ=31°32'05" L=27.52' T=14.12'		5+27.52	165284.093	1612101.375
L1	5+27.52	165284.093	1612101.375		N15°44'01"E 90.38'	6+17.90	165371.091	1612125.884
C2	6+17.90	165371.091	1612125.884	R 800.00' Δ=4°12'48" L=58.83' T=29.43'		6+76.73	165427.078	1612143.903
L2	6+76.73	165427.078	1612143.903		N19°56'49"E 176.79'	8+53.52	165593.259	1612204.214
C3	8+53.52	165593.259	1612204.214	R=250.00' Δ=14°45'36" L=64.40' T=32.38'		9+17.92	165655.945	1612218.188
L3	9+17.92	165655.945	1612218.188		N5°11'14"E 47.50'	9+65.42	165703.252	1612222.483

CROMWELL LANE CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L9	40+00.00	165623.969	1612213.182		N89°19'23"E 100.00'	41+00.00	165625.151	1612313.175

CENTER STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L10	50+00.00	165760.584	1612227.729		S89°15'23"W 100.00'	51+00.00	165749.287	1612127.737

UNION STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L11	60+00.00	165914.371	1612230.046		N80°36'43"E 100.00'	61+00.00	165930.683	1612328.707

CHURCH STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L12	70+00.00	166019.616	1612219.197		S86°57'01"W 100.00'	71+00.00	166014.296	1612119.339

0 30 60 100
SCALE: 1" = 30'

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

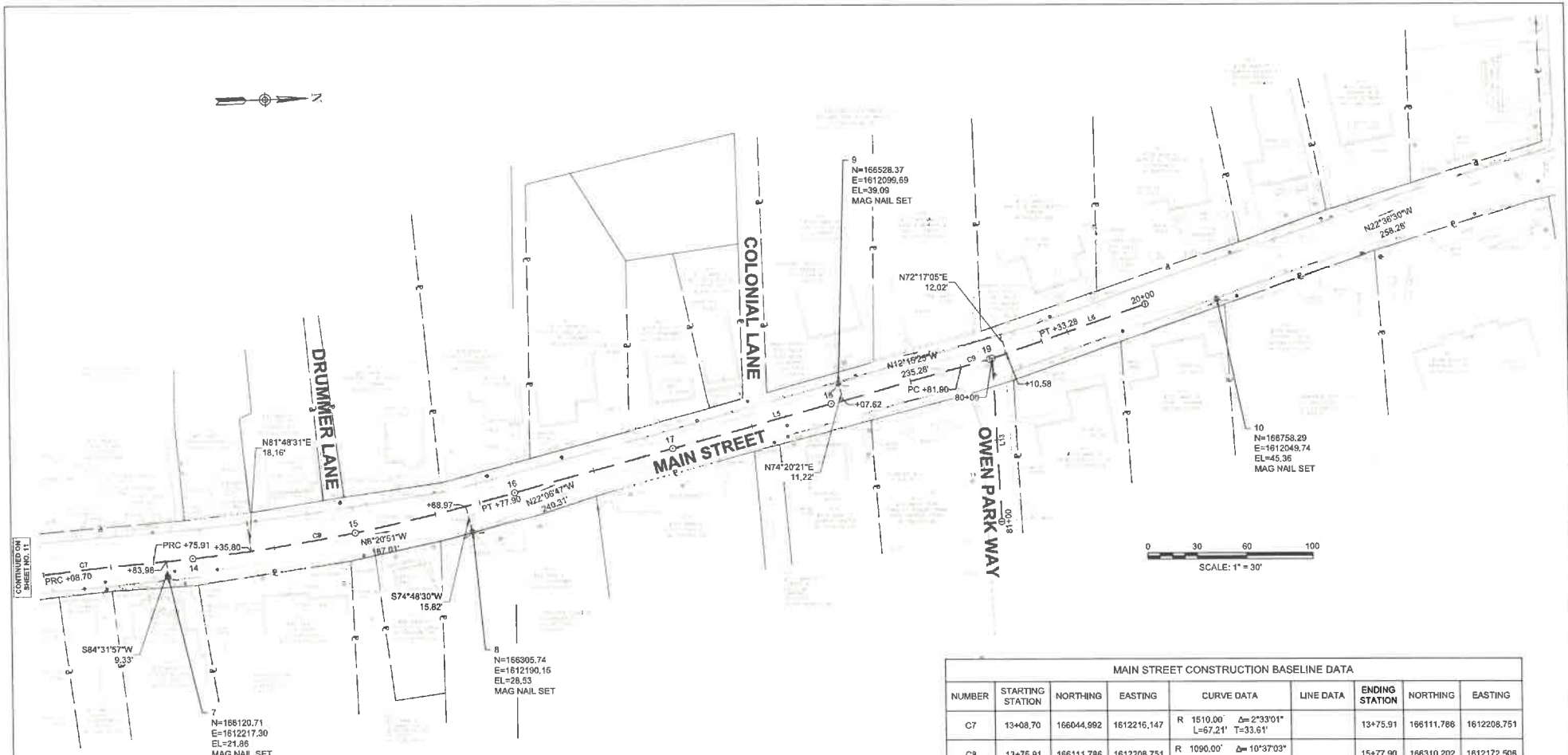
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

SURVEY CONTROL PLANS - 01

Sheet No.
11

Drawing file: N:\1Data\SWPDI\Landdesk\cadfiles\dgn\Projects\Tisbury, R161\maindocsheet\R-161-1712.00 Main Street Sidewalk Improvements\MCAD\Sheet\07 SC.dwg Plot Date: May 26, 2022 8:17am



OWEN PARK WAY CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L13	80+00.00	166621.909	1612084.864		N87°13'35"E 100.00'	81+00.00	166626.748	1612184.747

MAIN STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C7	13+08.70	166044.992	1612216.147	R 1510.00' Δ= 2°33'01" L=67.21' T=33.61'		13+75.91	166111.786	1612208.751
C8	13+75.91	166111.786	1612208.751	R 1090.00' Δ= 10°37'03" L=201.99' T=101.28'		15+77.90	166310.202	1612172.506
L5	15+77.90	166310.202	1612172.506		N15°39'39"W 304.01'	18+81.90	166602.921	1612090.441
C9	18+81.90	166602.921	1612090.441	R=800.00' Δ= 3°40'48" L=51.38' T=25.70'		19+33.28	166651.918	1612074.992
L6	19+33.28	166651.918	1612074.992		N19°20'28"W 66.72'	20+00.00	166714.868	1612052.897

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
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Approved by	JDF

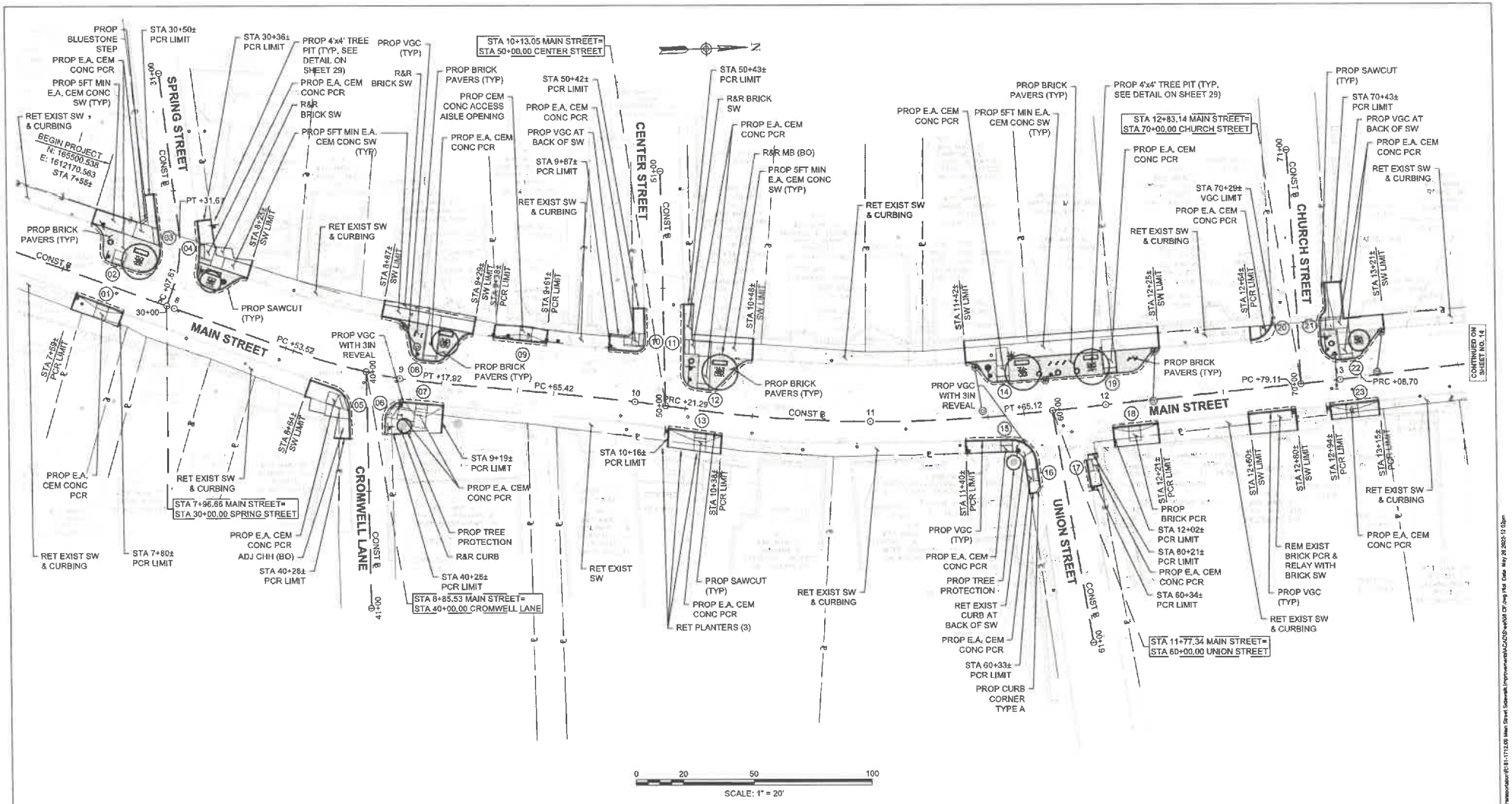
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

SURVEY CONTROL PLANS - 02

Sheet No.
12

Drawing file: N:\WORK\PWORK\specs\acad\cine-civil\Projects\Tisbury, 161\Transportation\R161-1712.00 Main Street Sidewalk Improvements\CAD\[Sheet07 SC.dwg] Plot Date: May 26, 2022 8:57am



LEGEND

(XX) PCR #

SEE SHEET 14 FOR GENERAL NOTES AND PROPOSED CURBING NOTES.

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
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Approved by	JDF

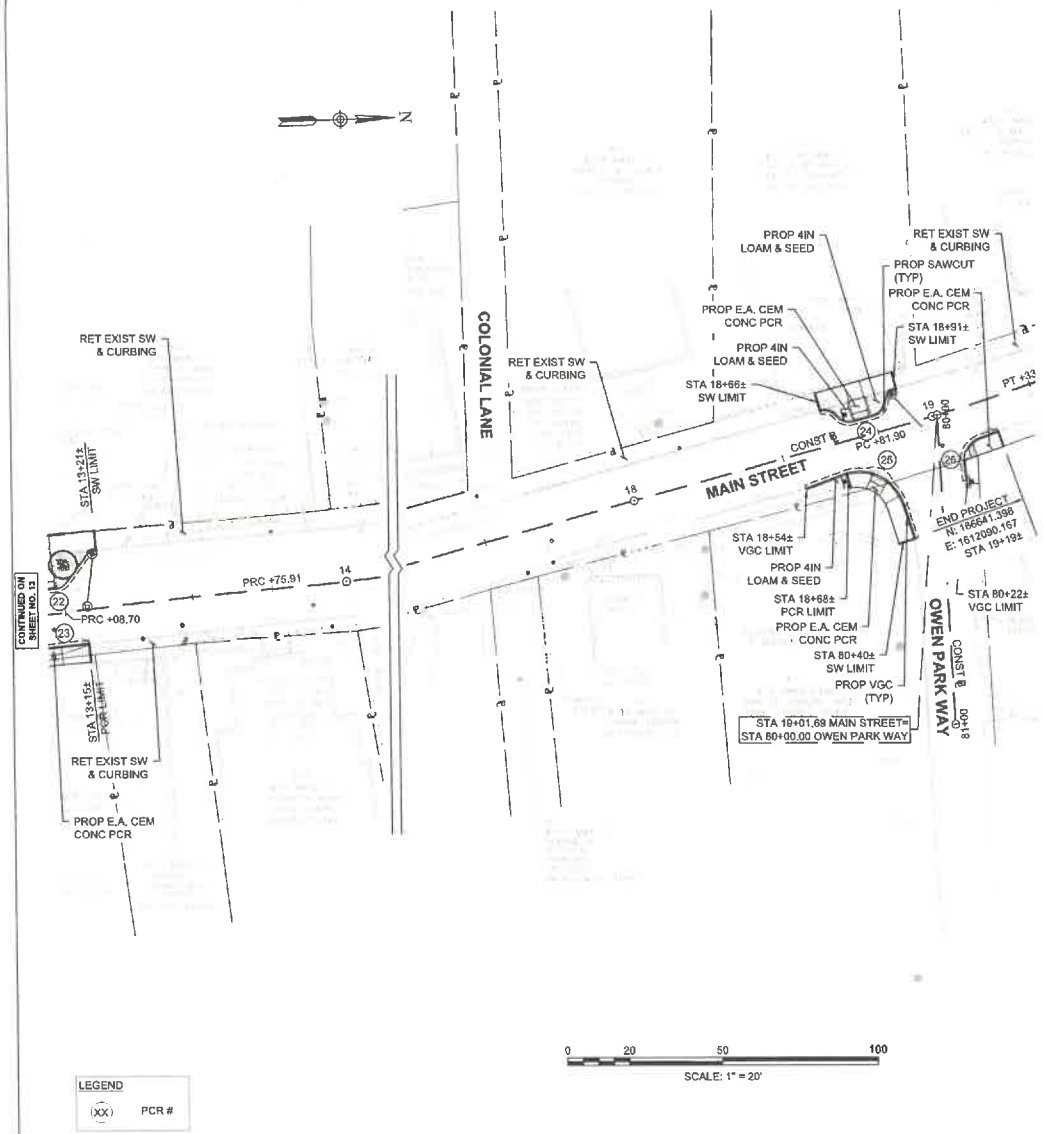
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

CONSTRUCTION PLANS - 01

Sheet No. 13

Drawing file: I:\A1\MAF\SYS\1.spaces\online.epy\Projects\Tisbury, MS\1\Transmission\R161-1712.00 Main Street Sidewalk Improvements\AACAD\SD\sht\08 CP-Dwg Plot Date: May 26,2022-12:02pm



LEGEND

(XX) PCR #

GENERAL NOTES:

1. ALL LIMITS OF WORK AND FINAL LOCATIONS OF THE PROPOSED SIDEWALKS, PEDESTRIAN CURB RAMPS, AND CURB LINES SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND ADJUSTED BASED ON ACTUAL FIELD CONDITIONS WITH THE APPROVAL OF THE TOWN PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED GRADES IN THE FIELD BASED ON EXISTING CONDITIONS TO ENSURE PROPER DRAINAGE. ANY DISCREPANCIES OR CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE TOWN AND FOR RESOLUTION PRIOR TO CONTINUING WORK.
3. PLANS SHOWN ARE APPROXIMATE IN NATURE AND FOR BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS ON SITE AND NOTIFY THE TOWN OF ALL DISCREPANCIES. ADJUSTMENTS TO PROPOSED TREATMENTS ARE TO BE MADE ON SITE AS NEEDED AS DIRECTED BY THE TOWN.
4. THE CONTRACT IS RESPONSIBLE FOR CONSTRUCTING ALL PROPOSED GRADES AND SLOPES FOR SIDEWALKS, AND PEDESTRIAN CURB RAMPS IN COMPLIANCE WITH ADA/AAB GUIDELINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADA COMPLIANT WIDTHS AND SLOPES FOR ALL SIDEWALKS AND CURB RAMPS. ANY CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE TOWN FOR RESOLUTION PRIOR TO CONTINUING WORK. ADJUSTMENTS TO PROPOSED TREATMENTS ARE TO BE MADE ON SITE AS NEEDED AS DIRECTED BY THE TOWN.
5. UNLESS OTHERWISE NOTED, THE BACK OF SIDEWALK ELEVATION SHALL BE APPROPRIATED TO ACCOUNT FOR ADJACENT STAIRS RESULTING IN AN ACCEPTABLE STEP HEIGHT. THE CONTRACTOR SHALL VERIFY THAT THE FINAL REVEAL MEETS MASSDOT CONSTRUCTION STANDARD RISER HEIGHTS AND SIDEWALK SIDE SLOPES ARE ADA COMPLIANT.
6. PROPOSED BACK OF SIDEWALK SHALL MEET ALL EXISTING CONDITIONS AS DIRECTED BY THE TOWN AND/OR ENGINEER. ALL STEPS SHALL BE PROVIDED WITH AN APPROPRIATE HEIGHT AND ALL SIDEWALKS WILL BE BLENDED FLUSH TO MEET EXISTING GRADE WHERE APPROPRIATE. ANY DISCREPANCIES OR CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE TOWN AND/OR ENGINEER FOR RESOLUTION PRIOR TO CONTINUING WORK.
7. ALL PROPOSED VERTICAL GRANITE CURBING SHALL HAVE A TYPICAL 6 INCH REVEAL (OR 3 INCH MINIMUM) UNLESS OTHERWISE NOTED ON PLANS. VARIATIONS WITHIN PROVIDED RANGE OF CURB REVEAL MAY BE NECESSARY ON THE FIELD TO ACHIEVE COMPLIANCE WITH ADA AND MEET THE EXISTING GRADE AT THE BACK OF SIDEWALK AND STEPS.
8. SAWCUT SHALL BE PROVIDED FOR CURB SETTING, SIDEWALK LIMIT, UTILITY TRENCHES, AND BACK OF SIDEWALK. THE COST FOR SAWCUTTING SHALL BE CONSIDER INCIDENTAL TO THE RESPECTIVE ITEMS. NO SEPARATE PAYMENTS FOR SAWCUTTING SHALL BE REQUESTED.
9. ALL TREES, UTILITY POLES, STREET LIGHTS, SIGNS, STEPS, HYDRANTS, TRASH RECEPTACLES, MAILBOXES, BENCHES, AND, PLANTERS WITHIN PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED.
10. ALL DISTURBED SIDEWALK AND PEDESTRIAN CURB RAMP AREAS ARE TO BE REPLACED IN KIND WITH THE SAME MATERIAL. EXISTING CEMENT CONCRETE SIDEWALK OR PEDESTRIAN CURB RAMP AREAS TO BE RECONSTRUCTED WILL BE REPLACED BY CEMENT CONCRETE SIDEWALK OR PEDESTRIAN CURB RAMP, AND EXISTING BRICK SIDEWALK AREAS TO BE RECONSTRUCTED WILL BE REPLACED BY BRICK SIDEWALK OR PEDESTRIAN CURB RAMP.
11. ALL PROPOSED VERTICAL GRANITE CURBING SHALL HAVE A TYPICAL 6 INCH REVEAL (OR 3 INCH MINIMUM) UNLESS OTHERWISE NOTED ON PLANS. VARIATIONS WITHIN THE ABOVE CURB REVEAL RANGE MAY BE NECESSARY ON THE FIELD TO ACHIEVE COMPLIANCE WITH ADA AND MEET THE EXISTING GRADE AT THE BACK OF SIDEWALK AND STEPS.
12. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE ACTUAL PROPOSED INVERT ELEVATION FOR ALL PROPOSED DRAINAGE STRUCTURES AND APPROVED BY THE TOWN PRIOR TO ORDERING THE STRUCTURES.
13. PROPOSED CURB AT LIMITS OF WORK SHALL TRANSITION TO MEET EXISTING UNLESS OTHERWISE DIRECTED BY THE TOWN. PROPOSED CROSS SLOPES FOR PROPOSED SIDEWALKS AT LIMITS SHALL MEET EXISTING CROSS SLOPES.
14. MAINTAIN EXISTING GUTTER GRADES FOR ALL PEDESTRIAN RAMP OPENINGS TO THE EXTENT PRACTICABLE. IF ADJUSTMENTS TO GUTTER GRADES ARE NEEDED TO ACHIEVE COMPLIANCE WITH ADA, THE CONTRACTOR SHALL NOTIFY THE TOWN PRIOR TO CONTINUING WORK.
15. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS OTHERWISE NOTED ON THE TRAFFIC SIGN & PAVEMENT MARKING PLANS OR AS DIRECTED BY THE TOWN.
16. SILT SACKS SHALL BE INSTALLED IN EVERY CATCH BASIN WITHIN THE PROJECT LIMITS.

PROPOSED CURBING NOTES:

WITHIN THE SCOPE OF WORK FOR THIS PROJECT, THE TOWN WILL SELECT EITHER ONE OF THE FOLLOWING CURBING STYLE TO BE USED FOR THIS PROJECT:

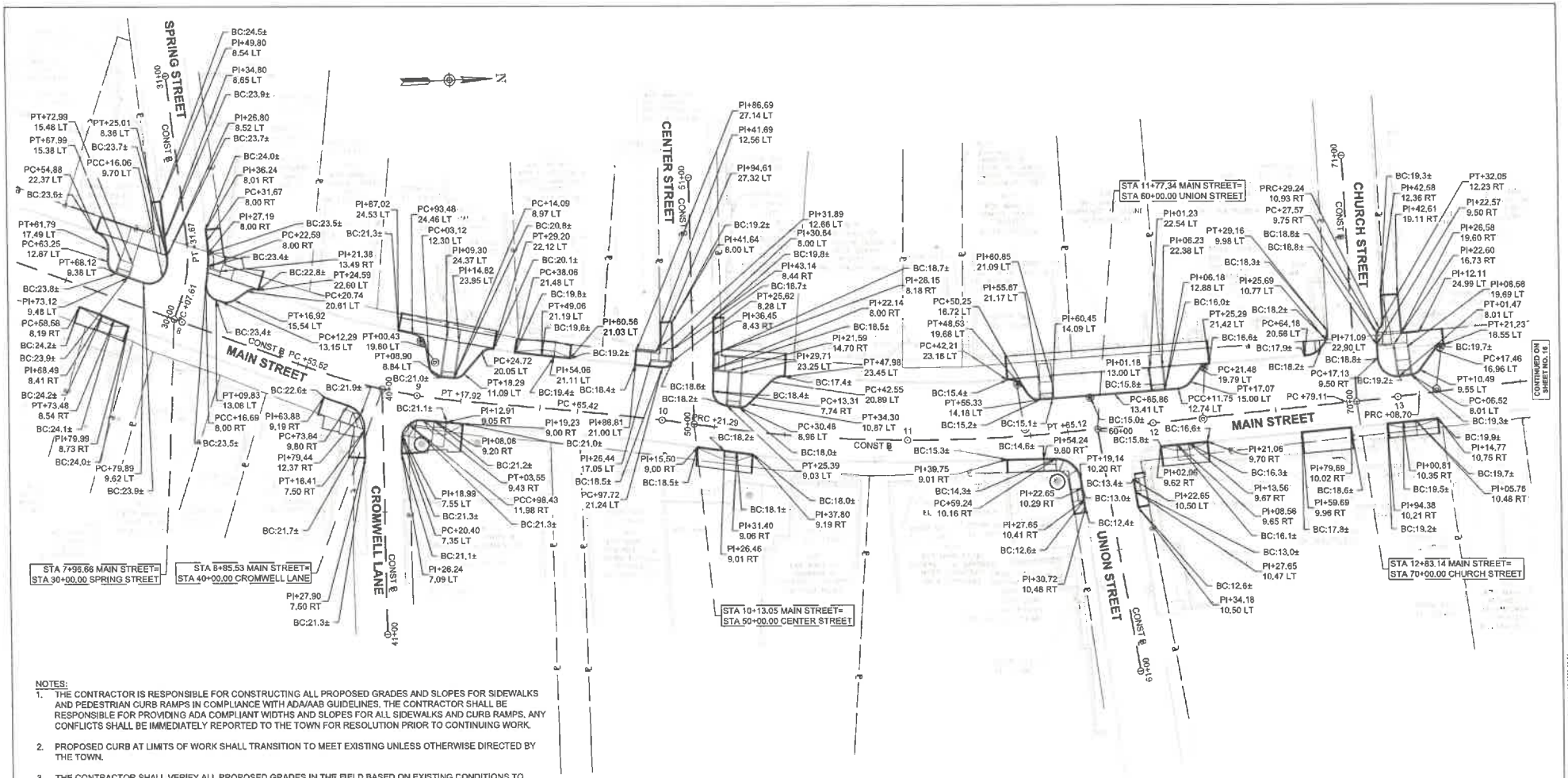
ALTERNATE NO. 1: ANTIQUE STYLE (TOWN STANDARD) GRANITE CURB:

1. THE WORK UNDER ALTERNATE NO. 1 CONSISTS OF REMOVING, RELOCATING, AND RESETTING EXISTING CURBING AND SUPPLEMENTING WITH TOWN-STOCKPILED AND CONTRACTOR-PROVIDED NEW ANTIQUE-STYLE (TOWN OF TISBURY STANDARD) GRANITE CURB TO CONSTRUCT THE PROPOSED CURB EXTENSIONS, SIDEWALKS, AND PEDESTRIAN CURB RAMPS; REMOVING AND STACKING UNUSED ANTIQUE-STYLE CURBING TO THE TOWN'S DESIGNATED LOCATION; TRANSPORTING AND INSTALLING ANTIQUE-STYLE GRANITE CURBING FROM THE TOWN STOCKPILED LOCATION; AND FURNISHING NEW ANTIQUE-STYLE CURBING TO SUPPLEMENT AS NECESSARY.
2. REMOVE AND STACK ALL EXISTING CURVED VERTICAL GRANITE CURB UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE TOWN.
3. PRIOR TO ADVANCING, THE CONTRACTOR IS RESPONSIBLE TO PERFORM HIS/HER OWN INVENTORY OF THE TOWN'S STOCKPILED ANTIQUE STYLE CURB (STRAIGHT AND CURVED) THAT CAN BE USED FOR THIS PROJECT AND THE EXISTING ANTIQUE STYLE GRANITE CURB THAT CAN BE REMOVED AND RESET FROM THE PROJECT LIMITS TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO ORDERING.

ALTERNATE NO. 2: CONVENTIONAL (TYPE - VA4) GRANITE CURB:

1. SHOULD ANTIQUE-STYLE (TOWN OF TISBURY STANDARD) AS OUTLINE ABOVE IN ALTERNATE NO. 1 NOT BE AVAILABLE OR IF ALTERNATE NO. 1 IS NOT SELECTED BY THE TOWN FOR ANY REASON, THE TOWN MAY CONSIDER ALTERNATE NO. 2 INSTEAD WHICH CONSISTS OF REMOVING AND STACKING EXISTING GRANITE CURB AND REPLACING IT WITH NEW GRANITE CURB, TYPE VA4 INCLUDING STRAIGHT OR CURVED SECTIONS AND TRANSITION PIECES FOR PEDESTRIAN CURB RAMPS. ALL NEW GRANITE CURB - TYPE VA4 SHALL BE PROVIDED BY THE CONTRACTOR.
2. ALL EXISTING GRANITE CURB TO BE REMOVED FROM THE PROJECT LOCATION FOR THE PROPOSED CURB EXTENSIONS AND PEDESTRIAN CURB RAMPS CONSTRUCTION SHALL BE REMOVED AND DELIVERED AND STACKED TO THE TOWN'S DESIGNATED LOCATION.

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NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING ALL PROPOSED GRADES AND SLOPES FOR SIDEWALKS AND PEDESTRIAN CURB RAMPS IN COMPLIANCE WITH ADA/AAB GUIDELINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADA COMPLIANT WIDTHS AND SLOPES FOR ALL SIDEWALKS AND CURB RAMPS. ANY CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE TOWN FOR RESOLUTION PRIOR TO CONTINUING WORK.
2. PROPOSED CURB AT LIMITS OF WORK SHALL TRANSITION TO MEET EXISTING UNLESS OTHERWISE DIRECTED BY THE TOWN.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED GRADES IN THE FIELD BASED ON EXISTING CONDITIONS TO ENSURE PROPER DRAINAGE.
4. PROPOSED BACK OF SIDEWALK SHALL MEET ALL EXISTING CONDITIONS AS DIRECTED BY THE TOWN. ALL STEPS SHALL BE PROVIDED WITH AN APPROPRIATE HEIGHT AND ALL SIDEWALKS WILL BE BLENDED FLUSH TO MEET EXISTING GRADE WHERE APPROPRIATE. ANY DISCREPANCIES OR CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE TOWN FOR RESOLUTION PRIOR TO CONTINUING WORK.
5. UNLESS OTHERWISE NOTED, THE BACK OF SIDEWALK ELEVATION SHALL BE APPROPRIATE TO ACCOUNT FOR ADJACENT STAIRS RESULTING IN AN ACCEPTABLE STEP HEIGHT. THE CONTRACTOR SHALL VERIFY THAT THE FINAL REVEAL MEETS MASSDOT CONSTRUCTION STANDARD RISER HEIGHTS AND SIDEWALK SIDE SLOPES ARE ADA COMPLIANT.

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

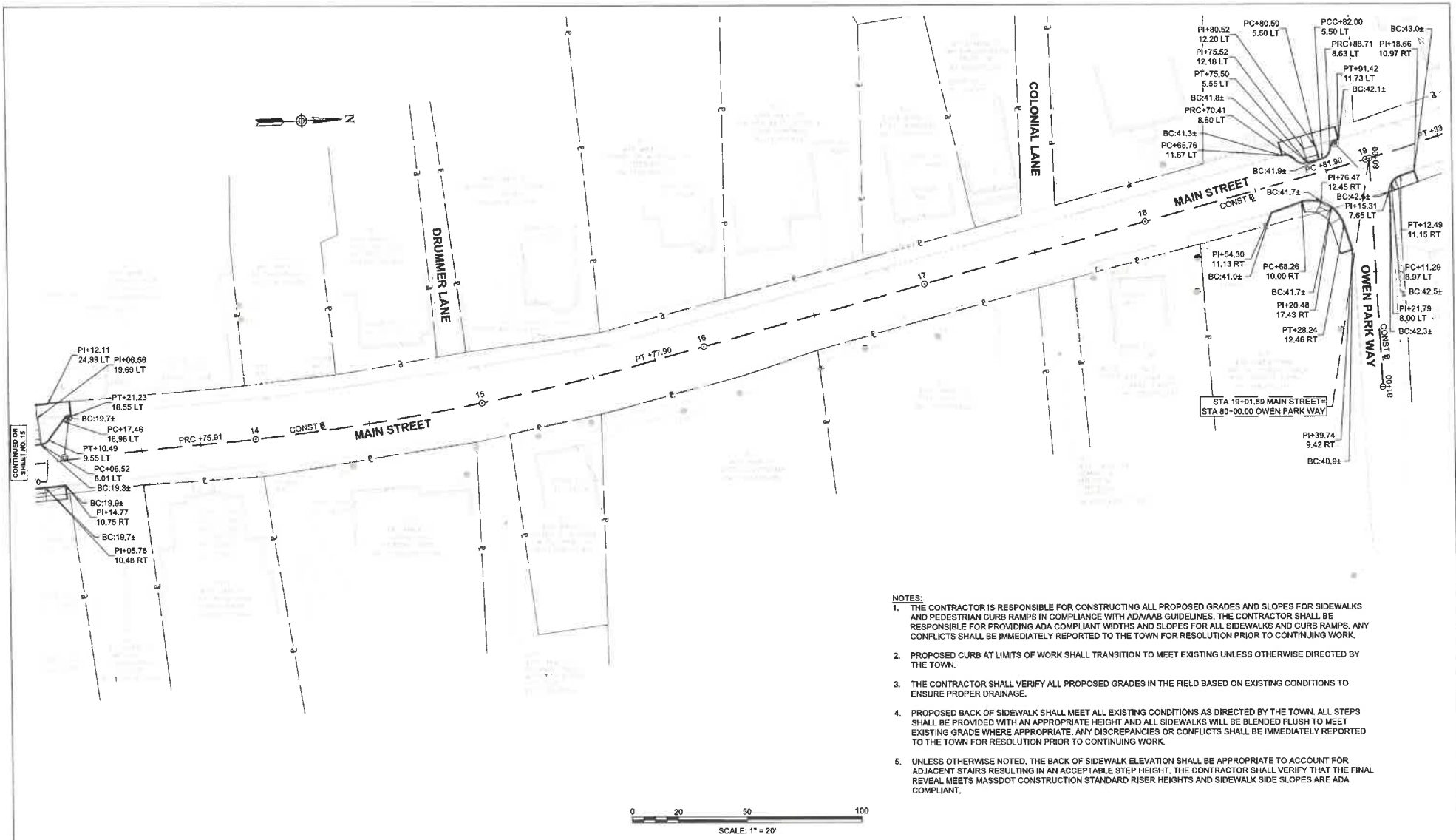
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

CURB TIE & GRADING PLANS - 01

Sheet No.
15

Drawing file: I:\Tisbury, MS\Transportation\R161\1712.00 Main Street Sidewalk Improvements\ACAD\Sheet\R1 CT3.dwg Plot: Date: May 26, 2022 - 11:15am



NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING ALL PROPOSED GRADES AND SLOPES FOR SIDEWALKS AND PEDESTRIAN CURB RAMPS IN COMPLIANCE WITH ADA/AAB GUIDELINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADA COMPLIANT WIDTHS AND SLOPES FOR ALL SIDEWALKS AND CURB RAMPS. ANY CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE TOWN FOR RESOLUTION PRIOR TO CONTINUING WORK.
2. PROPOSED CURB AT LIMITS OF WORK SHALL TRANSITION TO MEET EXISTING UNLESS OTHERWISE DIRECTED BY THE TOWN.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED GRADES IN THE FIELD BASED ON EXISTING CONDITIONS TO ENSURE PROPER DRAINAGE.
4. PROPOSED BACK OF SIDEWALK SHALL MEET ALL EXISTING CONDITIONS AS DIRECTED BY THE TOWN. ALL STEPS SHALL BE PROVIDED WITH AN APPROPRIATE HEIGHT AND ALL SIDEWALKS WILL BE BLENDED FLUSH TO MEET EXISTING GRADE WHERE APPROPRIATE. ANY DISCREPANCIES OR CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE TOWN FOR RESOLUTION PRIOR TO CONTINUING WORK.
5. UNLESS OTHERWISE NOTED, THE BACK OF SIDEWALK ELEVATION SHALL BE APPROPRIATE TO ACCOUNT FOR ADJACENT STAIRS RESULTING IN AN ACCEPTABLE STEP HEIGHT. THE CONTRACTOR SHALL VERIFY THAT THE FINAL REVEAL MEETS MASSDOT CONSTRUCTION STANDARD RISER HEIGHTS AND SIDEWALK SIDE SLOPES ARE ADA COMPLIANT.

SEAL OF TISBURY, MASS. INCORPORATED JUNE 6, 1892

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

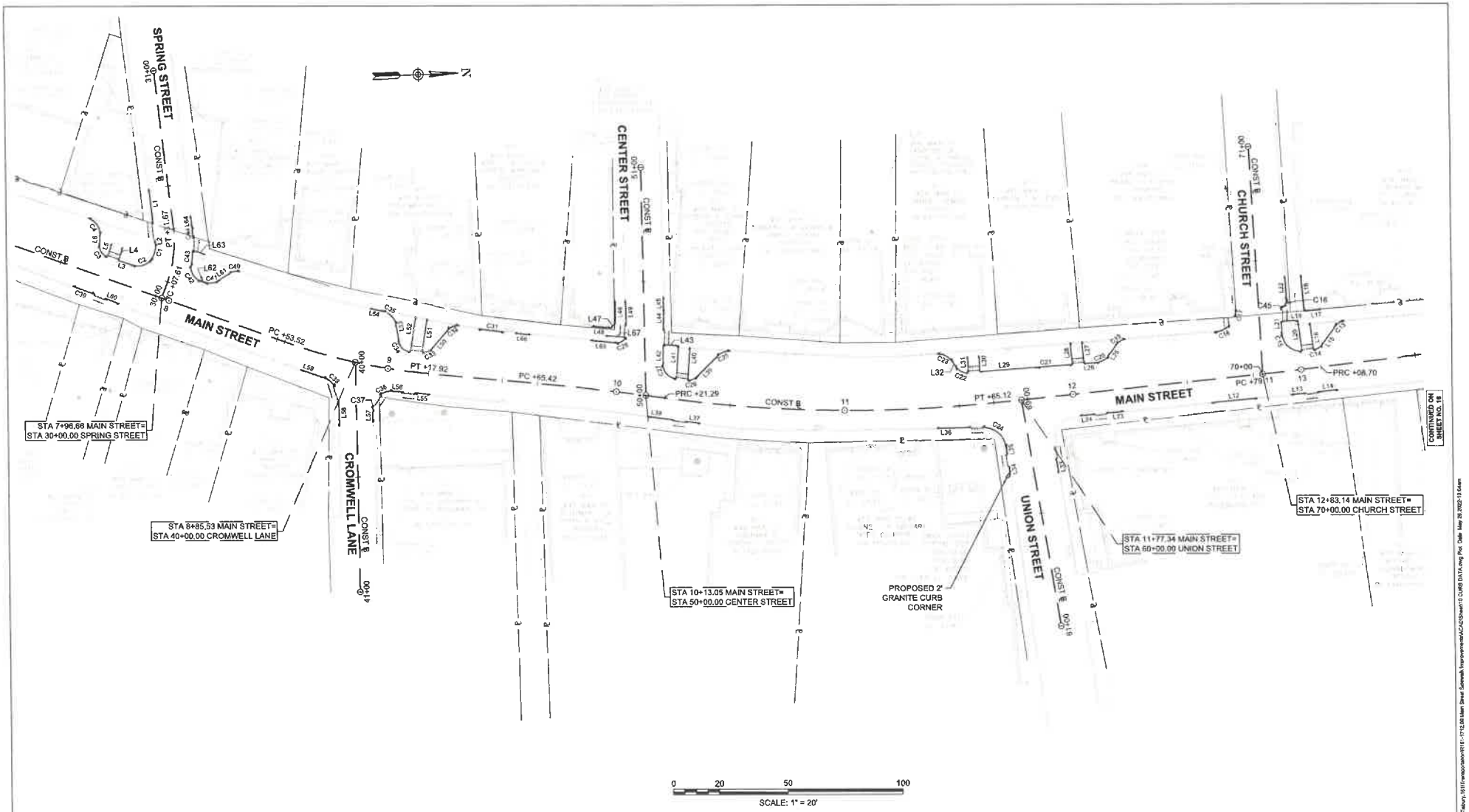
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

CURB TIE & GRADING PLANS - 02

Sheet No.
16

Drawing file: I:\A1\DOCS\01\Layouts\Locations.dgn\Project\Tisbury, MA\11\transportation\R161-1712.00 Main Street Sidewalk Improvements\AutoCAD\Sheets\ C1G.dwg Plot Date: May 26,2022 9:18am


SPRING STREET
CONST B
MAIN STREET
PC +53.52
PT +17.92
PC +65.42
PRC +21.29
CENTER STREET
CONST B
CONST B
CONST B



Curve Table				
Curve #	Delta	Tangent	Radius	Length
C1	44°08'40"	4.05	10.00	7.70
C2	70°47'50"	4.97	7.00	8.65
C3	73°37'22"	3.74	5.00	6.42
C4	74°21'26"	5.31	7.00	9.08
C5	39°48'38"	2.89	8.00	5.55
C6	35°47'33"	4.84	15.00	9.37
C7	33°11'39"	4.47	15.00	8.69
C8	57°55'39"	3.37	5.00	5.93
C9	68°21'26"	3.48	5.00	5.97
C10*	0°04'18"	0.75	1196.00	1.50
C11	72°45'46"	3.68	5.00	6.35
C12	67°44'58"	3.36	5.00	5.91
C13	48°32'35"	2.25	5.00	4.24
C14	50°18'42"	2.35	5.00	4.39
C15	91°35'05"	6.22	8.00	12.79
C16	50°02'26"	1.87	4.00	3.49
C17	20°25'31"	1.81	10.00	3.56
C18	42°46'58"	3.92	10.00	7.47
C19	48°44'41"	2.27	5.00	4.25
C20	48°44'41"	3.17	7.00	5.96

Curve Table				
Curve #	Delta	Tangent	Radius	Length
C21*	0°10'31"	7.66	5009.00	15.33
C22	67°09'32"	3.32	5.00	5.86
C23	60°13'59"	4.06	7.00	7.36
C24	83°03'55"	8.86	10.00	14.50
C25	49°07'37"	3.20	7.00	6.00
C26	49°52'46"	2.33	5.00	4.35
C27	89°22'43"	5.94	6.00	9.36
C28	74°19'48"	3.03	4.00	5.19
C31*	2°20'04"	5.50	270.00	11.00
C32	59°09'41"	2.84	5.00	5.16
C33	54°21'09"	2.57	5.00	4.74
C34	81°16'05"	4.29	5.00	7.09
C35	88°12'33"	4.74	7.00	8.33
C36	43°20'24"	3.18	8.00	6.05
C37	10°14'37"	0.72	8.00	1.43
C38	37°15'26"	3.37	10.00	6.50
C39*	1°08'04"	4.95	500.00	9.90
C40	51°23'49"	2.41	5.00	4.49
C41	51°23'49"	2.89	6.00	5.38
C42	81°37'47"	5.16	6.00	8.55

Curve Table				
Curve #	Delta	Tangent	Radius	Length
C43	6°32'31"	3.43	60.00	6.85
C44	4°55'57"	2.58	60.06	5.17
C45	29°38'31"	1.06	4.00	2.07

* STRAIGHT CURB SHALL BE USED FOR THESE LOCATIONS

GENERAL NOTES:

1. ALL CURB DATA SHOWN ON PLANS ARE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED DIMENSIONS BASED ON EXISTING CONDITIONS PRIOR TO ORDERING.

Line Table		
Line #	Direction	Length
L1	N83°52'02"E	15.00
L2	N83°52'46"E	1.59
L3	N18°46'32"E	6.78
L4	S71°13'28"E	6.00
L5	S71°13'28"E	8.00
L6	S87°38'07"E	4.84
L7	N19°44'12"W	6.25
L8	S84°09'03"W	6.49
L9	S72°26'30"W	11.90
L10	S74°30'10"W	6.70
L11	S74°30'10"W	6.63
L12	N5°43'25"W	20.00
L13	N5°44'55"W	8.50
L14	N5°44'55"W	9.00

Line Table		
Line #	Direction	Length
L15	S53°54'39"E	10.25
L16	N82°44'56"E	11.67
L17	S5°20'43"E	7.39
L18	S85°11'56"W	18.03
L19	N3°17'37"W	7.23
L20	N82°44'56"E	13.50
L21	N86°57'01"E	5.43
L22	N86°57'01"E	10.27
L23	S5°38'09"E	7.50
L24	S5°38'09"E	8.50
L25	S53°14'01"E	6.54
L26	N4°29'21"W	5.57
L27	S84°25'07"W	9.54
L28	S84°25'07"W	9.54

Line Table		
Line #	Direction	Length
L29	N4°17'03"W	25.31
L30	N87°42'24"E	7.00
L31	N87°42'24"E	6.97
L32	S56°52'06"W	3.49
L33	N80°36'43"E	6.51
L34	S81°59'19"W	3.07
L35	S81°59'19"W	3.51
L36	S1°04'36"E	14.73
L37	N7°41'47"E	6.50
L38	N7°41'47"E	11.00
L39	N45°03'59"W	12.84
L40	S85°58'52"E	14.31
L41	S85°58'52"E	14.61
L42	N89°02'38"W	8.84

Line Table		
Line #	Direction	Length
L43	N3°55'55"E	6.72
L44	N89°02'38"W	8.30
L45	S89°19'50"W	6.70
L46	N89°51'47"E	9.91
L47	N48°07'32"W	3.13
L48	S5°07'15"W	8.10
L49	N88°19'23"E	11.00
L50	N49°09'55"W	11.03
L51	N81°24'48"W	15.00
L52	N81°24'48"W	15.51
L53	N80°21'40"E	7.93
L54	S12°09'07"W	5.83
L55	N5°11'14"E	6.50
L56	N5°11'14"E	4.71

Line Table		
Line #	Direction	Length
L57	N88°01'07"W	5.84
L58	N89°19'23"E	11.50
L59	N19°45'27"E	10.36
L60	N21°38'38"E	6.51
L61	N33°05'06"W	6.35
L62	N18°18'43"E	2.46
L63	N19°19'59"E	5.69
L64	N83°25'56"E	4.57
L65	S5°16'04"W	11.11
L66	S5°58'04"W	6.50
L67	N4°26'56"E	8.80
L68	N20°18'24"W	14.00

PROPOSED CURBING NOTES:
WITHIN THE SCOPE OF WORK FOR THIS PROJECT, THE TOWN WILL SELECT EITHER ONE OF THE FOLLOWING CURBING STYLE TO BE USED FOR THIS PROJECT:

ALTERNATE NO. 1: ANTIQUE STYLE (TOWN STANDARD) GRANITE CURB:

1. THE WORK UNDER ALTERNATE NO. 1 CONSISTS OF REMOVING, RELOCATING, AND RESETTING EXISTING CURBING AND SUPPLEMENTING WITH TOWN-STOCKPILED AND CONTRACTOR-PROVIDED NEW ANTIQUE-STYLE (TOWN OF TISBURY STANDARD) GRANITE CURB TO CONSTRUCT THE PROPOSED CURB EXTENSIONS, SIDEWALKS, AND PEDESTRIAN CURB RAMPS; REMOVING AND STACKING UNUSED ANTIQUE-STYLE CURBING TO THE TOWN'S DESIGNATED LOCATION; TRANSPORTING AND INSTALLING ANTIQUE-STYLE GRANITE CURBING FROM THE TOWN STOCKPILED LOCATION; AND FURNISHING NEW ANTIQUE-STYLE CURBING TO SUPPLEMENT AS NECESSARY.
2. REMOVE AND STACK ALL EXISTING CURVED VERTICAL GRANITE CURB UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE TOWN.
3. PRIOR TO ADVANCING, THE CONTRACTOR IS RESPONSIBLE TO PERFORM HIS/HER OWN INVENTORY OF THE TOWN'S STOCKPILED ANTIQUE STYLE CURB (STRAIGHT AND CURVED) THAT CAN BE USED FOR THIS PROJECT AND THE EXISTING ANTIQUE STYLE GRANITE CURB THAT CAN BE REMOVED AND RESET FROM THE PROJECT LIMITS TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO ORDERING.

ALTERNATE NO. 2: CONVENTIONAL (TYPE - VA4) GRANITE CURB:

1. SHOULD ANTIQUE-STYLE (TOWN OF TISBURY STANDARD) AS OUTLINE ABOVE IN ALTERNATE NO. 1 NOT BE AVAILABLE OR IF ALTERNATE NO. 1 IS NOT SELECTED BY THE TOWN FOR ANY REASON, THE TOWN MAY CONSIDER ALTERNATE NO. 2 INSTEAD WHICH CONSISTS OF REMOVING AND STACKING EXISTING GRANITE CURB AND REPLACING IT WITH NEW GRANITE CURB, TYPE VA4 INCLUDING STRAIGHT OR CURVED SECTIONS AND TRANSITION PIECES FOR PEDESTRIAN CURB RAMPS. ALL NEW GRANITE CURB - TYPE VA4 SHALL BE PROVIDED BY THE CONTRACTOR.
2. ALL EXISTING GRANITE CURB TO BE REMOVED FROM THE PROJECT LOCATION FOR THE PROPOSED CURB EXTENSIONS AND PEDESTRIAN CURB RAMPS CONSTRUCTION SHALL BE REMOVED AND DELIVERED AND STACKED TO THE TOWN'S DESIGNATED LOCATION.

ENVIRONMENTAL PARTNERS
— An Apex Company —

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

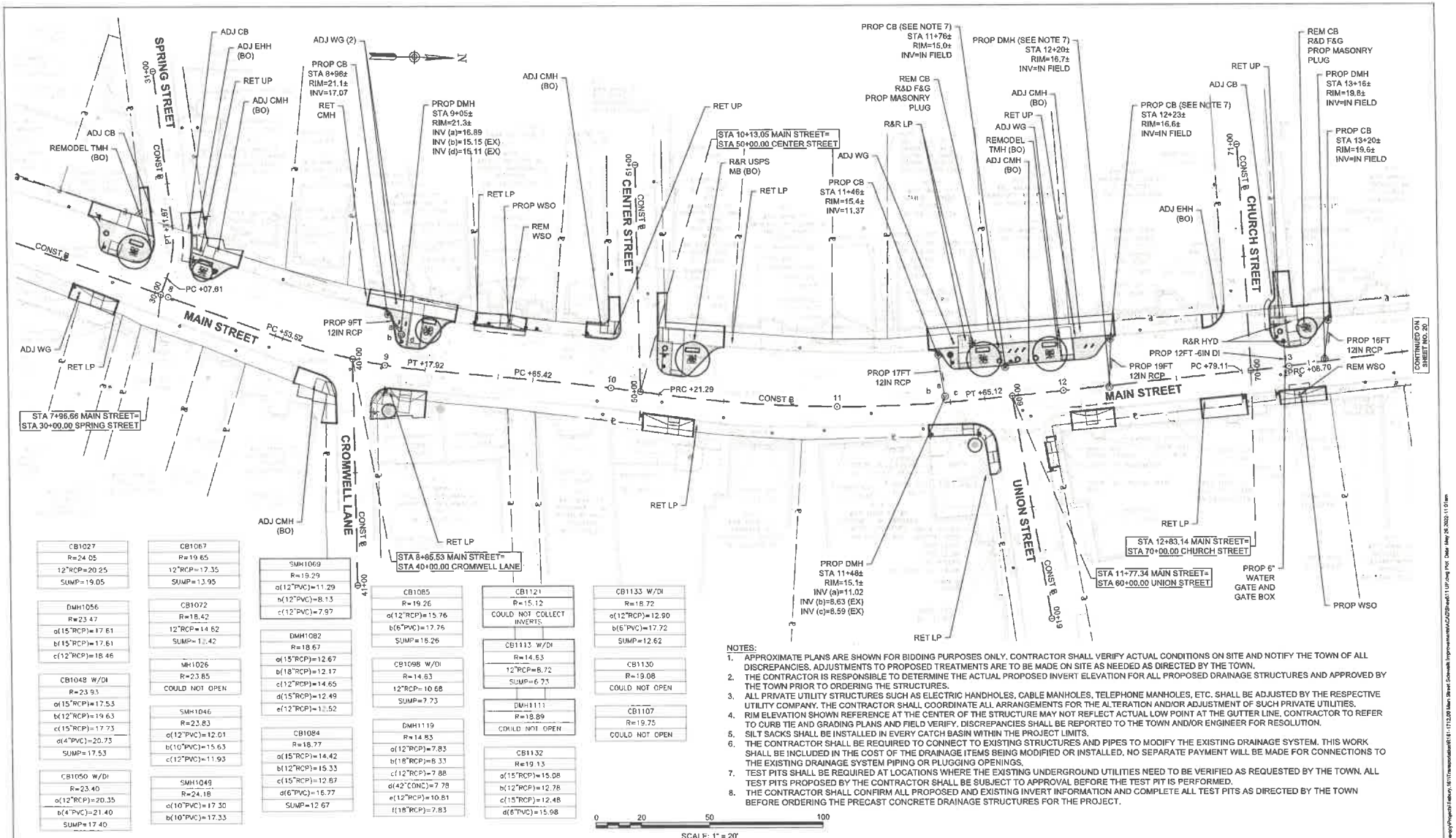
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

CURB DATA PLANS - 02

Sheet No.
18

Drawing file: \\A1DMFS01\projects\active\tisbury\R161-1712.00 Main Street Sidewalk Improvements\CAD\Sheet\10 CURB DATA.dwg Plot Date: May 26,2022 10:16am



CB1027
R=24.05
12"RCP=20.25
SUMP=19.05

DMH1056
R=23.47
a(15"RCP)=17.61
b(15"RCP)=17.61
c(12"RCP)=18.46

CB1048 W/DI
R=23.93
a(15"RCP)=17.53
b(12"RCP)=19.63
c(15"RCP)=17.73
d(4"PVC)=20.73
SUMP=17.53

CB1050 W/DI
R=23.40
a(12"RCP)=20.35
b(4"PVC)=21.40
SUMP=17.40

CB1067
R=19.65
12"RCP=17.35
SUMP=13.95

CB1072
R=18.42
12"RCP=14.62
SUMP=12.42

MH1026
R=23.85
COULD NOT OPEN

SMH1046
R=23.83
a(12"PVC)=12.01
b(10"PVC)=15.63
c(12"PVC)=11.93

SMH1049
R=24.18
a(10"PVC)=17.30
b(10"PVC)=17.33

SMH1069
R=19.29
a(12"PVC)=11.29
b(12"PVC)=8.13
c(12"PVC)=7.97

DMH1082
R=18.67
a(15"RCP)=12.67
b(18"RCP)=12.17
c(12"RCP)=14.65
d(15"RCP)=12.49
e(12"RCP)=12.52

CB1084
R=18.77
a(15"RCP)=14.42
b(12"RCP)=15.33
c(15"RCP)=12.87
d(6"PVC)=15.77
SUMP=12.67

CB1085
R=19.26
a(12"RCP)=15.76
b(6"PVC)=17.76
SUMP=15.26

CB1098 W/DI
R=14.63
12"RCP=10.68
SUMP=7.73

DMH1119
R=14.83
a(12"RCP)=7.83
b(18"RCP)=8.33
c(12"RCP)=7.88
d(42"CONC)=7.78
e(12"RCP)=10.81
f(18"RCP)=7.83

CB1121
R=15.12
COULD NOT COLLECT INVERTS

CB1113 W/DI
R=14.63
12"RCP=8.72
SUMP=6.73

DMH1111
R=18.89
COULD NOT OPEN

CB1132
R=19.13
a(15"RCP)=15.08
b(12"RCP)=12.78
c(15"RCP)=12.48
d(6"PVC)=15.98

CB1133 W/DI
R=18.72
a(12"RCP)=12.90
b(6"PVC)=17.72
SUMP=12.62

CB1130
R=19.08
COULD NOT OPEN

CB1107
R=19.75
COULD NOT OPEN

NOTES:

1. APPROXIMATE PLANS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS ON SITE AND NOTIFY THE TOWN OF ALL DISCREPANCIES. ADJUSTMENTS TO PROPOSED TREATMENTS ARE TO BE MADE ON SITE AS NEEDED AS DIRECTED BY THE TOWN.
2. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE ACTUAL PROPOSED INVERT ELEVATION FOR ALL PROPOSED DRAINAGE STRUCTURES AND APPROVED BY THE TOWN PRIOR TO ORDERING THE STRUCTURES.
3. ALL PRIVATE UTILITY STRUCTURES SUCH AS ELECTRIC HANDHOLES, CABLE MANHOLES, TELEPHONE MANHOLES, ETC. SHALL BE ADJUSTED BY THE RESPECTIVE UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE ALL ARRANGEMENTS FOR THE ALTERATION AND/OR ADJUSTMENT OF SUCH PRIVATE UTILITIES.
4. RIM ELEVATION SHOWN REFERENCE AT THE CENTER OF THE STRUCTURE MAY NOT REFLECT ACTUAL LOW POINT AT THE GUTTER LINE. CONTRACTOR TO REFER TO CURB TIE AND GRADING PLANS AND FIELD VERIFY. DISCREPANCIES SHALL BE REPORTED TO THE TOWN AND/OR ENGINEER FOR RESOLUTION.
5. SILT SACKS SHALL BE INSTALLED IN EVERY CATCH BASIN WITHIN THE PROJECT LIMITS.
6. THE CONTRACTOR SHALL BE REQUIRED TO CONNECT TO EXISTING STRUCTURES AND PIPES TO MODIFY THE EXISTING DRAINAGE SYSTEM. THIS WORK SHALL BE INCLUDED IN THE COST OF THE DRAINAGE ITEMS BEING MODIFIED OR INSTALLED, NO SEPARATE PAYMENT WILL BE MADE FOR CONNECTIONS TO THE EXISTING DRAINAGE SYSTEM PIPING OR PLUGGING OPENINGS.
7. TEST PITS SHALL BE REQUIRED AT LOCATIONS WHERE THE EXISTING UNDERGROUND UTILITIES NEED TO BE VERIFIED AS REQUESTED BY THE TOWN. ALL TEST PITS PROPOSED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL BEFORE THE TEST PIT IS PERFORMED.
8. THE CONTRACTOR SHALL CONFIRM ALL PROPOSED AND EXISTING INVERT INFORMATION AND COMPLETE ALL TEST PITS AS DIRECTED BY THE TOWN BEFORE ORDERING THE PRECAST CONCRETE DRAINAGE STRUCTURES FOR THE PROJECT.

SEAL OF TISBURY MASS. INCORPORATED JULY 4, 1671

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

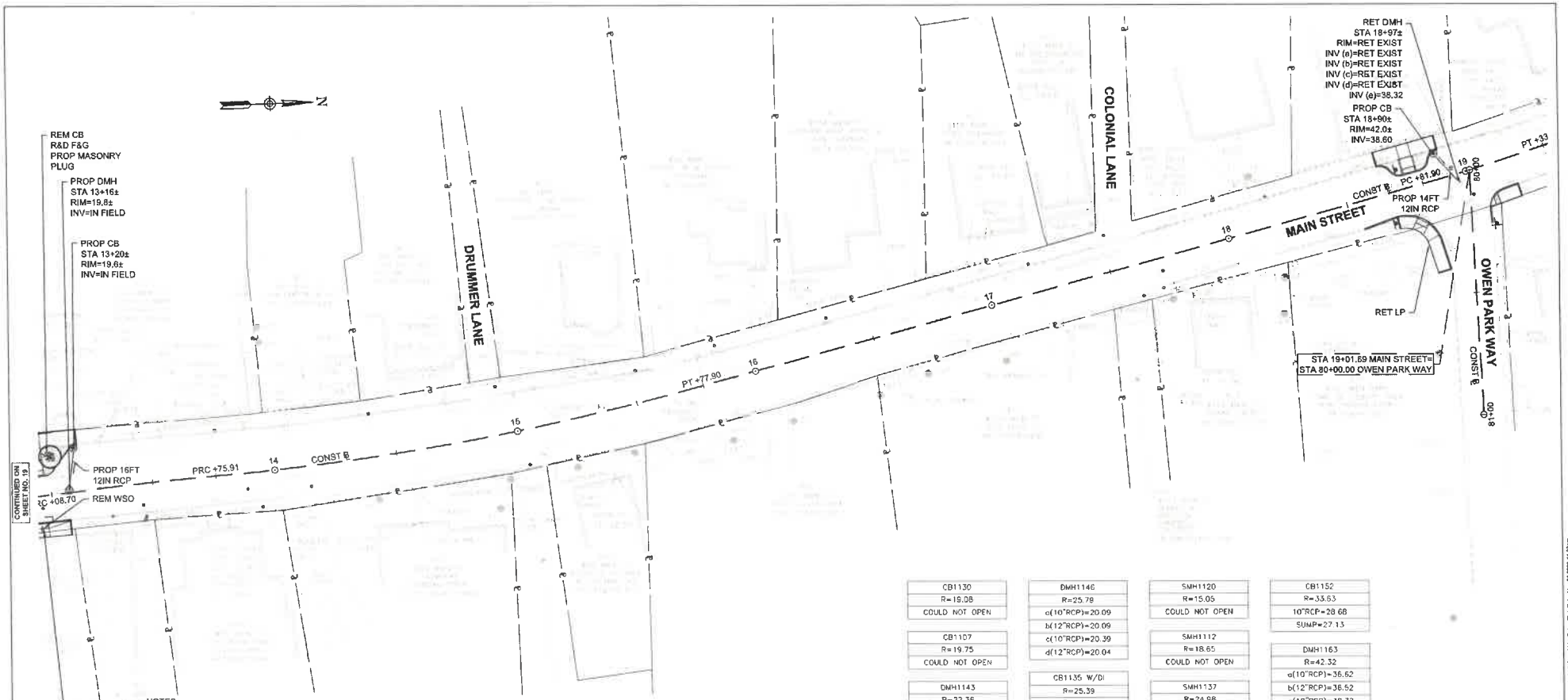
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

UTILITY PLANS - 01

Sheet No.
19

Drawing file: M:\1924\PWP01\planset\construction\Project Library\161\Transmittals\161-1712.00 Main Street Sidewalk Improvements\ACAD\Sheet\11 UP.dwg Plot Date: May 26, 2022 - 11:01am



CB1130
R=19.08
COULD NOT OPEN

CB1107
R=19.75
COULD NOT OPEN

DMH1143
R=22.36
a(12"RCP)=18.21
b(12"RCP)=18.10
c(12"RCP)=18.18
d(12"RCP)=17.88

CB1140
R=21.91
a(6"PVC)=19.61
b(6"PVC)=19.91
c(12"RCP)=19.26
SUMP=16.21

DMH1146
R=25.79
a(10"RCP)=20.09
b(12"RCP)=20.09
c(10"RCP)=20.39
d(12"RCP)=20.04

CB1135 W/DI
R=25.39
a(10"RCP)=20.09
SUMP=18.09

CB1147
R=26.31
a(10"PVC)=22.06

SMH1063
R=18.61
a(16"PVC)=9.39
b(12"PVC)=8.36
c(12"PVC)=8.27

SMH1120
R=15.05
COULD NOT OPEN

SMH1112
R=18.65
COULD NOT OPEN

SMH1137
R=24.98
COULD NOT OPEN

DMH1151
R=33.03
a(10"RCP)=27.63
b(12"RCP)=27.53
c(10"RCP)=28.43
d(12"RCP)=27.58

CB1150
R=33.12
10"RCP=27.92
SUMP=28.02

CB1152
R=33.63
10"RCP=28.68
SUMP=27.13

DMH1163
R=42.32
a(10"RCP)=36.62
b(12"RCP)=36.52
c(10"RCP)=38.32
d(12"RCP)=36.72

CB1161
R=42.85
10"RCP=38.85
SUMP=37.65

CB1165
R=42.76
10"RCP=37.31
SUMP=35.46

NOTES:

1. APPROXIMATE PLANS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS ON SITE AND NOTIFY THE TOWN OF ALL DISCREPANCIES. ADJUSTMENTS TO PROPOSED TREATMENTS ARE TO BE MADE ON SITE AS NEEDED AS DIRECTED BY THE TOWN.
2. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE ACTUAL PROPOSED INVERT ELEVATION FOR ALL PROPOSED DRAINAGE STRUCTURES AND APPROVED BY THE TOWN PRIOR TO ORDERING THE STRUCTURES.
3. ALL PRIVATE UTILITY STRUCTURES SUCH AS ELECTRIC HANDHOLES, CABLE MANHOLES, TELEPHONE MANHOLES, ETC. SHALL BE ADJUSTED BY THE RESPECTIVE UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE ALL ARRANGEMENTS FOR THE ALTERATION AND/OR ADJUSTMENT OF SUCH PRIVATE UTILITIES.
4. RIM ELEVATION SHOWN REFERENCE AT THE CENTER OF THE STRUCTURE MAY NOT REFLECT ACTUAL LOW POINT AT THE GUTTER LINE. CONTRACTOR TO REFER TO CURB TIE AND GRADING PLANS AND FIELD VERIFY. DISCREPANCIES SHALL BE REPORTED TO THE TOWN AND/OR ENGINEER FOR RESOLUTION.
5. SILT SACKS SHALL BE INSTALLED IN EVERY CATCH BASIN WITHIN THE PROJECT LIMITS.
6. THE CONTRACTOR SHALL BE REQUIRED TO CONNECT TO EXISTING STRUCTURES AND PIPES TO MODIFY THE EXISTING DRAINAGE SYSTEM. THIS WORK SHALL BE INCLUDED IN THE COST OF THE DRAINAGE ITEMS BEING MODIFIED OR INSTALLED. NO SEPARATE PAYMENT WILL BE MADE FOR CONNECTIONS TO THE EXISTING DRAINAGE SYSTEM PIPING OR PLUGGING OPENINGS.
7. TEST PITS SHALL BE REQUIRED AT LOCATIONS WHERE THE EXISTING UNDERGROUND UTILITIES NEED TO BE VERIFIED AS REQUESTED BY THE TOWN. ALL TEST PITS PROPOSED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL BEFORE THE TEST PIT IS PERFORMED.
8. THE CONTRACTOR SHALL CONFIRM ALL PROPOSED AND EXISTING INVERT INFORMATION AND COMPLETE ALL TEST PITS AS DIRECTED BY THE TOWN BEFORE ORDERING THE PRECAST CONCRETE DRAINAGE STRUCTURES FOR THE PROJECT.

0 20 50 100

SCALE: 1" = 20'

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

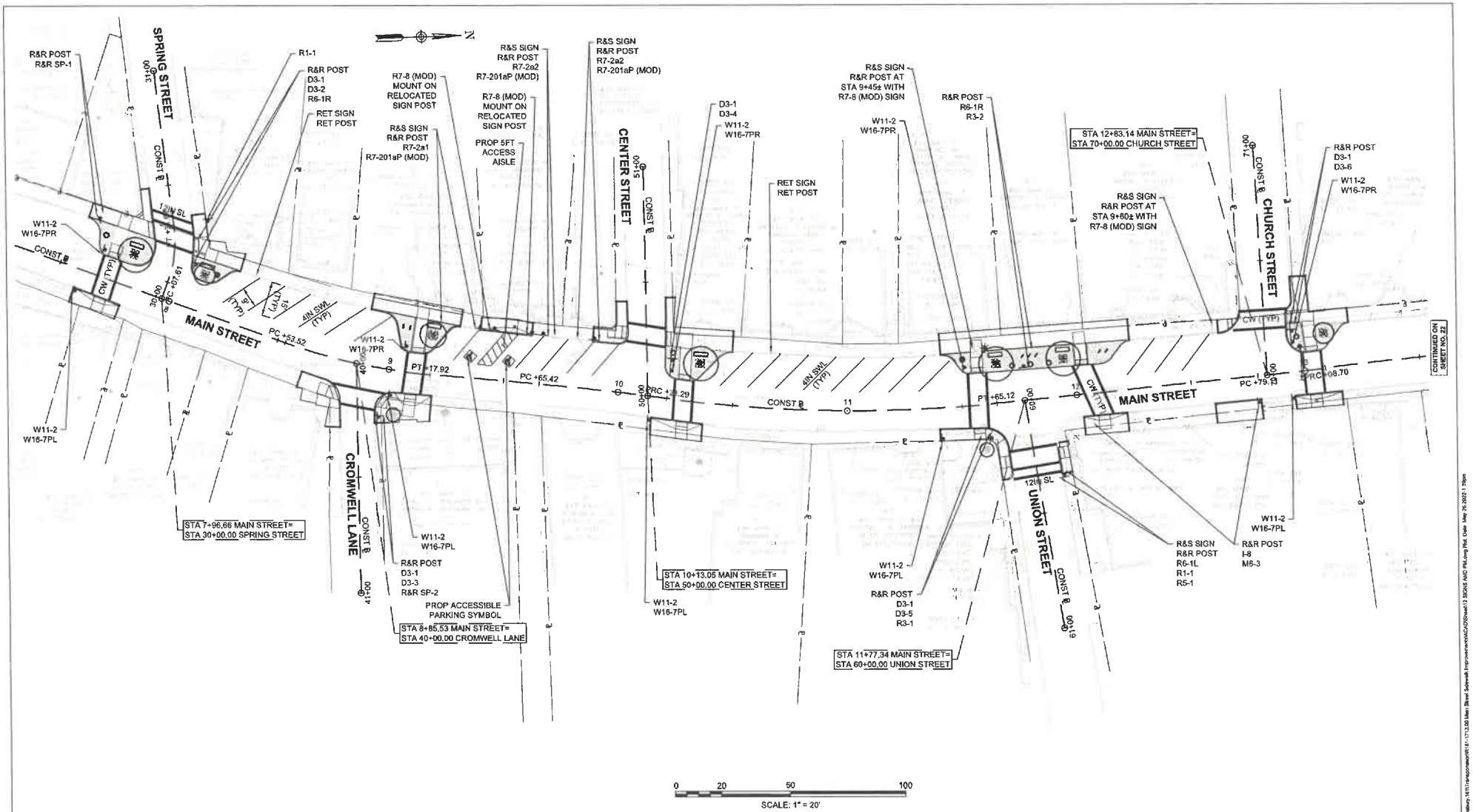
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

UTILITY PLANS - 02

Sheet No.
20

Drawing file: \\A1904FS1\PD1-spencas\local\me-acy\Projects\Tisbury-1610\management\civil\R161-1712.00 Main Street Sidewalk Improvements\ACAD\Sheet\11 UP.dwg Plot Date: May 25,2022-11:02am



ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R151-1712.00
Designed by	SS
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

TRAFFIC SIGN & PAVEMENT MARKING PLANS - 01

Sheet No. 21

Drawing file: u:\1500\25\PD\1.apscad\acad\mxs-ap\Projects\Tisbury, 1611\maps\sheet\R1-1712.00 Main Street Sidewalk Improvements\CAD\Sheet\13 SIGNS AND PM.dwg Plot Date: May 25, 2022 1:18pm



ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R181-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

TRAFFIC SIGN & PAVEMENT MARKING PLANS - 02

Sheet No. 22

Drawing file: I:\1Data\03\PC\Layouts\LocalFiles.dgn\Project\Tisbury\R181171200 Main Street Sidewalk Improvements\AUG\Sheet\12 SIGNS AND PM.dwg Plot Date: May 25,2022 1:39pm

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN (INCHES) WIDTH	HEIGHT	TEXT	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	VERTICAL SPACING	NUMBER OF SIGNS REQUIRED	COLOR BACKGROUND	LEGEND	BORDER	POST SIZE AND NUMBER REQUIRED	UNIT AREA IN SQUARE FEET	AREA IN SQUARE FEET
D3-1	VARIES	12	Main St	MUTCD STANDARD		6	GREEN	WHITE	WHITE	R&R POST (4); P5 (2)	EACH	EACH
D3-2	VARIES	12	Spring St			1	GREEN	WHITE	WHITE	MOUNT WITH D3-1 (1)	EACH	EACH
D3-3	VARIES	12	Cromwell Ln			1	GREEN	WHITE	WHITE	MOUNT WITH D3-1 (1)	EACH	EACH
D3-4	VARIES	12	Center St			1	GREEN	WHITE	WHITE	MOUNT WITH D3-1 (1)	EACH	EACH
D3-5	VARIES	12	Union St			1	GREEN	WHITE	WHITE	MOUNT WITH D3-1 (1)	EACH	EACH
D3-6	VARIES	12	Church St			1	GREEN	WHITE	WHITE	MOUNT WITH D3-1 (1)	EACH	EACH
D3-7	VARIES	12	Owen Park Way			1	GREEN	WHITE	WHITE	MOUNT WITH D3-1 (1)	EACH	EACH
M6-3	21	15				1	GREEN	WHITE	WHITE	MOUNT WITH I-8 (1)	2.19	2.19
I-8	24	24				1	MUTCD STANDARD			R&R POST (1)	4.00	4.00
R1-1	30	30	STOP			3				MOUNT WITH R6-1L (1); MOUNT WITH D3-1 (1); P5 (1)	6.25	18.75
R3-1	24	24				1				MOUNT WITH D3-1 (1)	4.00	4.00
R3-2	24	24				1				MOUNT WITH R6-1R (1)	4.00	4.00
R5-1	30	30	DO NOT ENTER			1				MOUNT WITH R6-1L (1)	6.25	6.25
R6-1L	36	12				1				R&R POST (1)	3.00	3.00
R6-1R	36	12				2				R&R POST (1); MOUNT WITH D3-1 (1)	3.00	6.00
R7-2a1	12	18	NO PARKING 9:00 AM TO 5:00 PM			1				R&R POST (1)	1.50	1.50
R7-2a2	12	18	NO PARKING 9:00 AM TO 5:00 PM			2				R&R POST (2)	1.50	3.00
R7-201aP (MOD)	12	6	LOADING ZONE			3				MOUNT WITH R7-2a1 (1); MOUNT WITH R7-2a2 (2)	0.50	1.50

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN (INCHES) WIDTH	HEIGHT	TEXT	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	VERTICAL SPACING	NUMBER OF SIGNS REQUIRED	COLOR BACKGROUND	LEGEND	BORDER	POST SIZE AND NUMBER REQUIRED	UNIT AREA IN SQUARE FEET	AREA IN SQUARE FEET
R7-8 (MOD)	12	18	RESERVED PARKING	MUTCD STANDARD		2	MUTCD STANDARD			R&R POST (2)	1.50	3.00
W11-2	30	30				12				R&R POST (1); P5 (11)	6.25	75.00
W16-7PL	24	12				6				R&R POST (1); MOUNT WITH W11-2 (5)	2.00	12.00
W16-7PR	24	12				6				MOUNT WITH W11-2 (6)	2.00	12.00
R&R SP-1	–	–	PARKING REGULATION	–		1 (R&R)	–			R&R POST (1)	–	–
R&R SP-2	–	–	"THE STEAMSHIP AUTHORITY"	–		1 (R&R)	–			MOUNT WITH D3-1 (1)	–	–

NOTES:
1. SEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2009 EDITION WITH LATEST REVISIONS AND MASSACHUSETTS AMENDMENTS FOR LATEST SPECIFICATIONS ON TEXT DIMENSIONS AND COLOR.
2. HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. THE 2009 "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE 1990 MDPW "STANDARD DRAWINGS FOR SIGNS AND SUPPORTS", AND ALL AMENDMENTS WILL GOVERN.
3. ADDITIONAL SIGNS SHALL BE REPLACED AND/OR PROVIDED AT THE REQUEST OF THE TOWN, PRIOR TO ORDERING SIGNAGE, THE CONTRACTOR SHALL FIELD VERIFY SIGNAGE TO BE REPLACED WITH THE TOWN AND SUBMIT SHOP DRAWINGS OF ALL PROPOSED SIGNAGE FOR REVIEW AND APPROVAL BY THE TOWN.

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

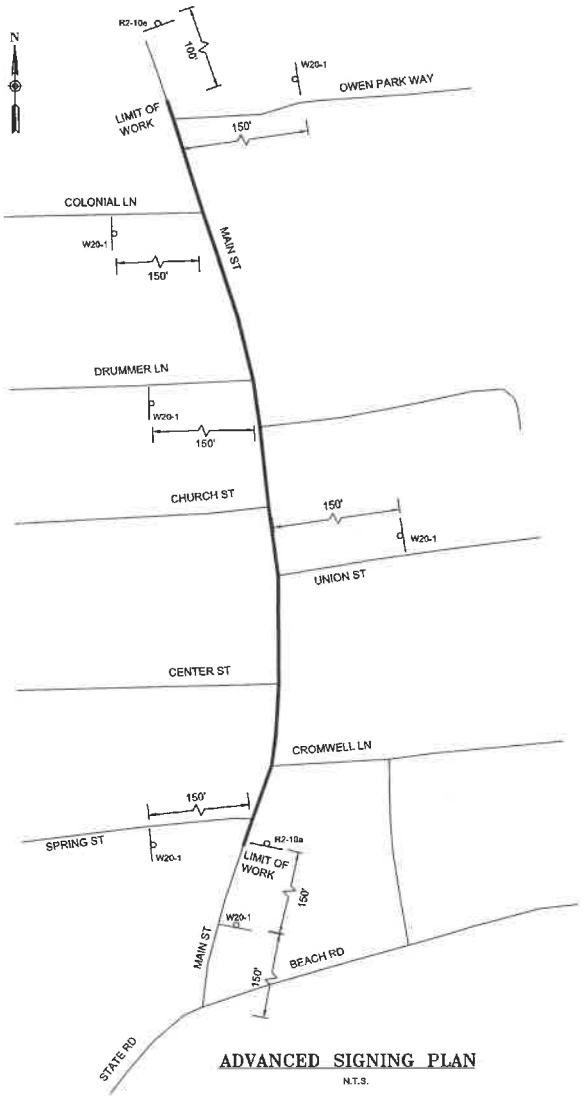
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

TRAFFIC SIGN SUMMARY

Sheet No. 23

Drawing file: N:\10\all\SVP01\Lapasoca.boardman-ayo\Projects\Tisbury-161717\transportation\161-1712.00 Main Street Sidewalk Improvements\ACAD\Sheet\13 SIGN SUMMARY.dwg Plot: Date: May 23, 2022 - 1:14pm



ADVANCED SIGNING PLAN

N.T.S.

GENERAL NOTES

1. PORTABLE CHANGEABLE MESSAGE SIGNS WILL BE PROVIDED AND SETUP BY THE TOWN IN ADVANCE OF THE PROJECT BEGINS.
2. ALL CONSTRUCTION SIGNING, DRUMS, BARRICADES AND OTHER DEVICES SHALL CONFORM WITH PART 6 OF THE LATEST EDITION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
3. ALL CHANNELIZING DEVICES SHALL BE SET @ 25' O.C. MAX UNLESS OTHERWISE NOTED OR ADJUSTED BY THE TOWN AND OR ENGINEER.
4. ALL DRUMS SHALL BE APPROPRIATELY PLACED AND MOVED AS NECESSARY TO MAINTAIN ADEQUATE ABUTTER ACCESS AT ALL TIMES. WORK MAY REQUIRE ADDITIONAL SIGNS, DRUMS AND OTHER TRAFFIC CONTROL DEVICES. GRADING AND TEMPORARY PAVEMENT FOR PASSAGE OF PEDESTRIAN, VEHICULAR AND EMERGENCY TRAFFIC THROUGH THE WORK AREAS, BOTH DURING AND AFTER WORK HOURS, TO MAINTAIN SUCH ACCESS.
5. ALL DISTANCE MAY BE ADJUSTED TO FIT FIELD CONDITIONS, AS DIRECTED BY THE TOWN AND OR ENGINEER, HOWEVER MINIMUM DISTANCES, WHERE INDICATED SHALL BE MAINTAINED.
6. THE CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
7. THE CONTRACTOR SHALL NOTIFY THE TOWN OF TISBURY POLICE, FIRE, AND DEPARTMENT OF PUBLIC WORKS AT LEAST 48 HOURS IN ADVANCE OF LANE CLOSURES
8. A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
9. DETOURS FOR ONE LANE CLOSURES FOR TRAVEL WAY SURFACE RESTORATION WORK ONLY (I.E. PAVEMENT MILL AND OVERLAY). EXCEPTIONS MAY BE MADE FOR MAJOR INTERSECTION WORK, BUT MUST BE APPROVED IN WRITING BY THE TOWN AND OR ENGINEER AND COORDINATED WITH THE APPROPRIATE LOCAL AUTHORITIES.
10. GRADE SEPARATIONS IN EXCESS OF 2 INCHES DURING NON-WORKING HOURS WILL REQUIRE DELINEATION BY USE OF DRUMS.
11. EXCAVATION EDGES IN EXCESS OF 4 INCHES DEEP SHALL BE PROTECTED DURING NON-WORKING HOURS BY BACKFILLING WITH A WEDGE OF GRAVEL OR SOIL COMPACTED TO A 4:1 SLOPE.
12. REMOVE EXISTING PAVEMENT MARKINGS AND PROVIDE TEMPORARY PAVEMENT MARKINGS AS APPLICABLE TO EACH PHASE OF THE CONSTRUCTION AS DIRECTED BY THE TOWN AND OR ITS REPRESENTATIVE. 11' MINIMUM TRAVEL LANE WIDTHS SHALL BE PROVIDED DURING CONSTRUCTION.
13. NONESSENTIAL TEMPORARY CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS. THE GENERAL SEQUENCE OF WORK IS DEPENDENT UPON THE REMOVAL AND
14. RELOCATION OF THE EXISTING UTILITY POLES AND WIRES THAT ARE FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK, BY THE UTILITY COMPANIES. THE CONTRACTOR SHALL SCHEDULE THE WORK IN EACH AREA TO COORDINATE WITH THE POLE RELOCATION WORK.
15. ADVISORY SPEED PLATES (W13-1) SHALL BE USED IF APPROPRIATE AND AS DIRECTED BY THE TOWN AND OR ENGINEER. SUPPORTS FOR ALL TRAFFIC MANAGEMENT SIGNS SHALL BE 4" X 4" PRESSURE TREATED.
16. ALL CONSTRUCTION MUST BE PERFORMED BETWEEN 7:00 AM TO 4:00 PM MONDAY TO FRIDAY ANY LANE CLOSURE WORK MUST BE PERFORMED BETWEEN THE HOURS OF 9:00 AM - 3:30 PM ONLY, EXCEPTION FOR A SHORT PERIOD OF TIME AS APPROVED BY THE TOWN. WORKING BEYOND THESE HOURS OR OVER THE WEEKEND MUST BE APPROVED BY THE TOWN.
17. ONLY, EXCEPTION FOR A SHORT PERIOD OF TIME AS APPROVED BY THE TOWN. WORKING BEYOND THESE HOURS OR OVER THE WEEKEND MUST BE APPROVED BY THE TOWN.
18. ALL TEMPORARY TRAFFIC CONTROL WORK FOR SIDEWALK CLOSURE AND PEDESTRIAN DETOURS SHALL CONFORM TO THE LATEST EDITION OF THE MASSDOT STANDARD DETAILS AND DRAWINGS FOR THE DEVELOPMENT OF TEMPORARY TRAFFIC CONTROL PLANS FIGURE PED-1 TO FIGURE PED-7. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THIS PROJECT. NO ADDITIONAL COMPENSATION SHALL BE REQUESTED TO THE TOWN.

TEMPORARY SIGNS

SIGN DESIGNATION	LEGEND	WIDTH	HEIGHT
R2-10a	WORK ZONE / SPEEDING FINES DOUBLED	48"	36"
R2-10e	END ROAD WORK / DOUBLE FINES END	36"	48"
W20-1	ROAD WORK AHEAD	36"	36"

LEGEND

CONSTRUCTION SIGN WORK ZONE

CONSTRUCTION SIGN

N.T.S. NOT TO SCALE

ENVIRONMENTAL PARTNERS — An Apex Company —

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
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Drawn by	SS
Checked by	BLH
Approved by	JDF

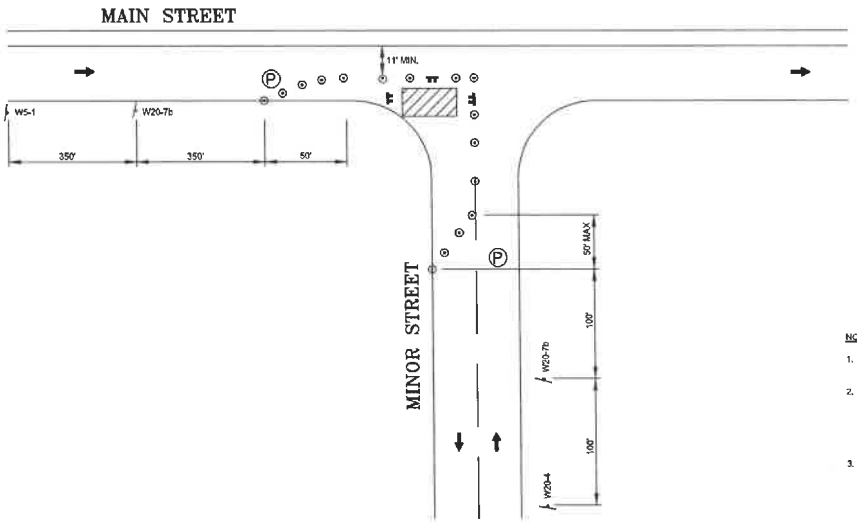
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

TRAFFIC MANAGEMENT PLANS - 01

Sheet No. 24

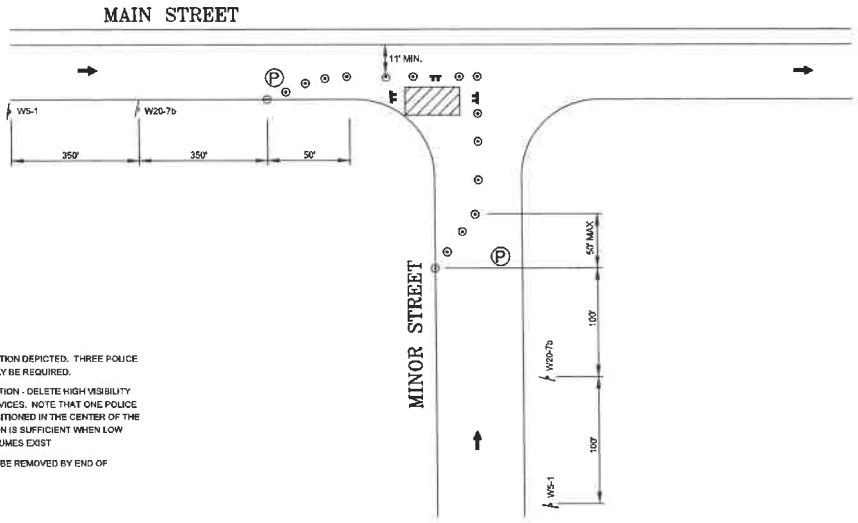
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TYPICAL MOVABLE WORK AREA
"OPERATIONAL" (DAY-TO-DAY) PLAN
MINOR STREET TWO WAY
N.T.S.

NOTES:

1. URBAN SITUATION DEPICTED. THREE POLICE OFFICERS MAY BE REQUIRED.
2. RURAL SITUATION - DELETE HIGH VISIBILITY WARNING DEVICES. NOTE THAT ONE POLICE OFFICER POSITIONED IN THE CENTER OF THE INTERSECTION IS SUFFICIENT WHEN LOW TRAFFIC VOLUMES EXIST
3. SETUP MUST BE REMOVED BY END OF WORK DAY.



TYPICAL MOVABLE WORK AREA
"OPERATIONAL" (DAY-TO-DAY) PLAN
MINOR STREET ONE WAY APPROACHING MAIN STREET
N.T.S.

TEMPORARY SIGNS

SIGN DESIGNATION	LEGEND	HEIGHT	WIDTH
W5-1	ROADWAY NARROWS	36"	36"
W20-1	ROAD WORK AHEAD	36"	36"
W20-4	ONE LANE ROAD AHEAD	36"	36"
W20-7b	POLICE OFFICER AHEAD	36"	36"

LEGEND

⊙	CHANNELIZING DEVICE
→	PROPOSED TRAFFIC FLOW
▨	WORK ZONE
⊢	TYPE III BARICADE
Ⓟ	POLICE DETAIL
⊣	CONSTRUCTION SIGN
N.T.S.	NOT TO SCALE

ENVIRONMENTAL PARTNERS
— An Apex Company —

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
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Approved by	JDF

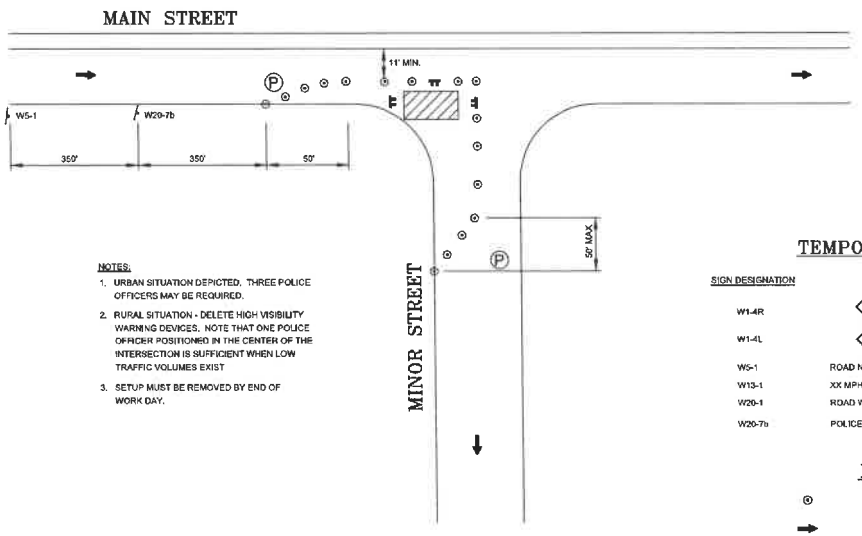
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

TRAFFIC MANAGEMENT PLANS - 02

Sheet No.
25

Drawing file: M:\1004\ENVIR\1-applications\cad\me ops\Projects\Tisbury, MA\1-transportation\R161-1712.00 Main Street Sidewalk Improvements\MXD\AS2\Sheet\04 TMP.dwg Plot Date: May 26,2022-11:28am



NOTES:

1. URBAN SITUATION DEPICTED. THREE POLICE OFFICERS MAY BE REQUIRED.
2. RURAL SITUATION - DELETE HIGH VISIBILITY WARNING DEVICES. NOTE THAT ONE POLICE OFFICER POSITIONED IN THE CENTER OF THE INTERSECTION IS SUFFICIENT WHEN LOW TRAFFIC VOLUMES EXIST
3. SETUP MUST BE REMOVED BY END OF WORK DAY.

TEMPORARY SIGNS

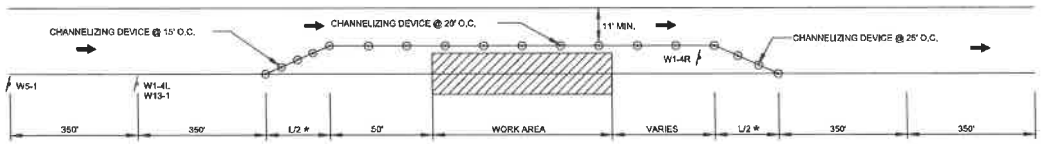
SIGN DESIGNATION	LEGEND	HEIGHT	WIDTH
W1-4R		30"	30"
W1-4L		30"	30"
W5-1	ROAD NARROWS	36"	36"
W13-1	XX MPH	24"	24"
W20-1	ROAD WORK AHEAD	36"	36"
W20-7b	POLICE OFFICER AHEAD	36"	36"

LEGEND

	REFLECTORIZED DRUM
	PROPOSED TRAFFIC FLOW
	WORK ZONE
	TYPE III BARICADE
P	POLICE DETAIL
	CONSTRUCTION SIGN
N.T.S.	NOT TO SCALE

TYPICAL MOVABLE WORK AREA "OPERATIONAL" (DAY-TO-DAY) PLAN MINOR STREET ONE WAY DEPARTING MAIN STREET

N.T.S.



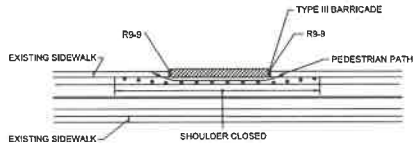
TYPICAL SHIFT IN TRAFFIC ON ONE WAY STREET

NOT TO SCALE

* $L=\frac{WS^2}{60}$ L=TAPER LENGTH W=WIDTH OF ROADWAY TO BE SHIFTED OR REDIRECTED S=POSTED SPEED LIMIT

NOTES

1. WORK THAT WILL DISRUPT EXISTING TRAFFIC PATTERNS WITHIN THE EXISTING ROADWAYS (LANE REDUCTION, ETC.) SHALL ONLY BE DONE DURING OFF PEAK HOURS. NUMBERS AND LOCATION OF POLICE DETAILS FOR WORK ZONE AND/OR DETOUR MANAGEMENT SHALL BE DETERMINED BY THE TOWN ON A CASE BY CASE BASIS, AS WORK PROGRESSES.



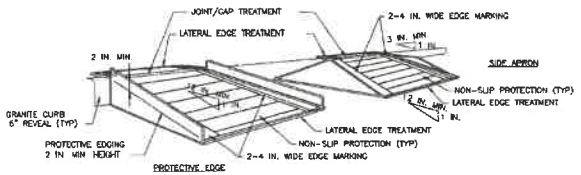
TYPE I

NOTES

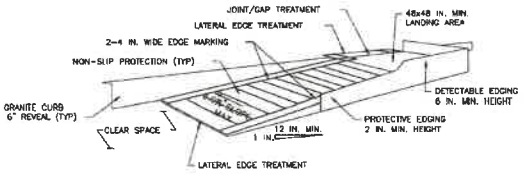
1. ADDITIONAL ADVANCE WARNING MAY BE NECESSARY.
2. CONTROLS ONLY FOR PEDESTRIAN TRAFFIC ARE SHOWN. VEHICULAR TRAFFIC SHOULD BE HANDLED AS SHOWN ELSEWHERE.
3. IF THE WORK ZONE DOES NOT PERMIT PEDESTRIANS TO TRAVEL ADJACENT TO IT AS SHOWN, PEDESTRIANS MAY BE REQUIRED TO CROSS TO THE OPPOSITE SIDE OF THE STREET AS DIRECTED BY THE TOWN.
4. BYPASS IS TO BE USED IN CONJUNCTION WITH THE PROPOSED LANE CLOSURE DETAILS AND DURING CONSTRUCTION STAGING, AS DIRECTED BY THE TOWN.
5. ACCESS TO ALL BUSINESSES AND RESIDENCES SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE TOWN.

PEDESTRIAN BYPASS

N.T.S.



TEMPORARY CURB RAMP-PERPENDICULAR TO CURB



TEMPORARY CURB RAMP-PARALLEL TO CURB

ENVIRONMENTAL PARTNERS
An Apex Company

MARK	DATE	DESCRIPTION

Scale	
Date	MAY 2022
Job No.	R161-1712.00
Designed by	SS
Drawn by	SS
Checked by	BLH
Approved by	JDF

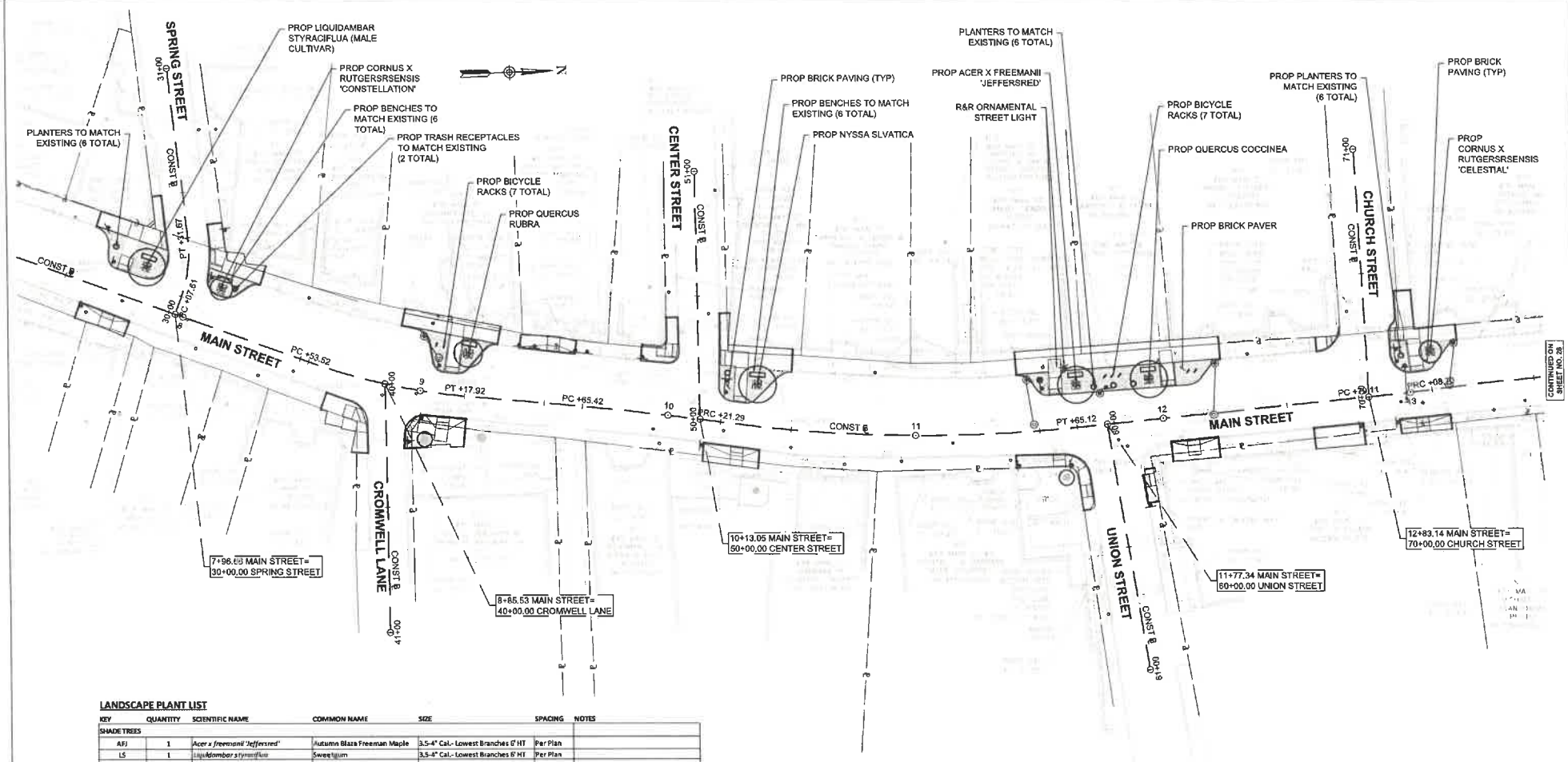
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

TRAFFIC MANAGEMENT PLANS - 03

Sheet No. 26

Drawing file: \\A1DATSVP01\apcaaa\active-apc\Projects\Tisbury, MA\1Transportation\R161-1712.00 Main Street Sidewalk Improvements\CAD\Sheet\4 TMP.dwg Plot Date: May 29,2022 11:29am



LANDSCAPE PLANT LIST

KEY	QUANTITY	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	NOTES
SHADE TREES						
AFJ	1	*Acer x freemanii 'Jeffersred'*	Autumn Blaze Freeman Maple	3.5-4" Cal.- Lowest Branches 6' HT	Per Plan	
LS	1	*Liquidambar styraciflua*	Sweetgum	3.5-4" Cal.- Lowest Branches 6' HT	Per Plan	
NSG	1	*Nyssa sylvatica*	Black Tupelo	3.5-4" Cal.- Lowest Branches 6' HT	Per Plan	
QA	1	*Quercus rubra*	White Oak	3.5-4" Cal.- Lowest Branches 6' HT	Per Plan	
QC	1	*Quercus coccinea*	Scarlet Oak	3.5-4" Cal.- Lowest Branches 6' HT	Per Plan	
ORNAMENTAL TREES						
CR	1	*Cornus x rutgersensis 'Constellation'*	Constellation Hybrid Dogwood	2.5-3" Cal.- Lowest Branches 6' HT	Per Plan	
CRC	1	*Cornus x rutgersensis 'Celestial'*	Celestial Hybrid Dogwood	2.5-3" Cal.- Lowest Branches 6' HT	Per Plan	

ENVIRONMENTAL PARTNERS
— An Apex Company —

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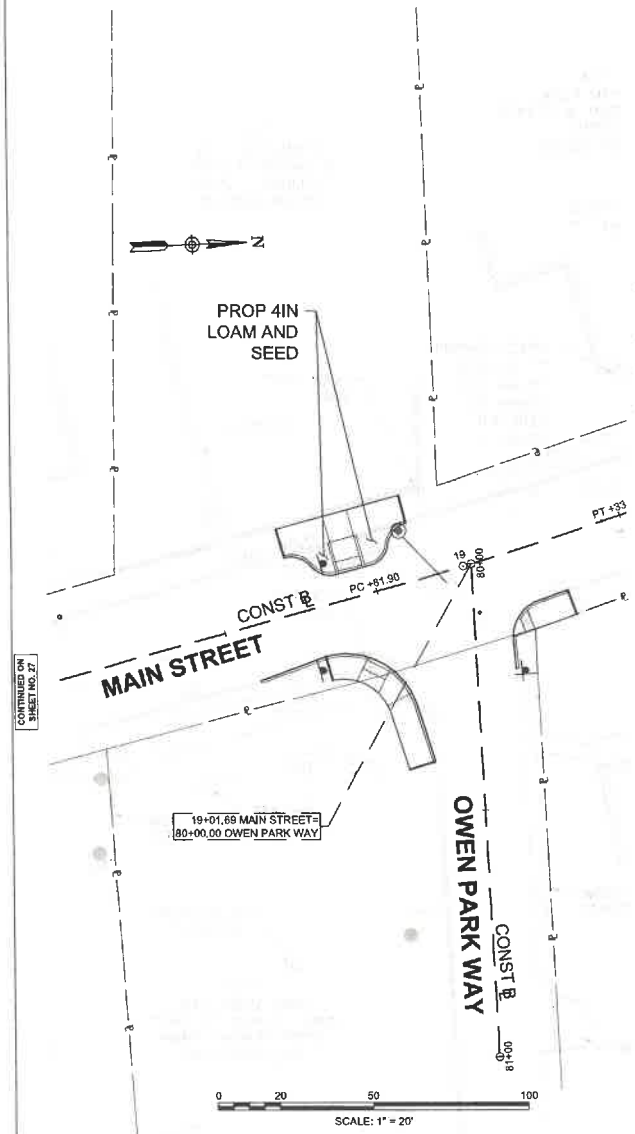
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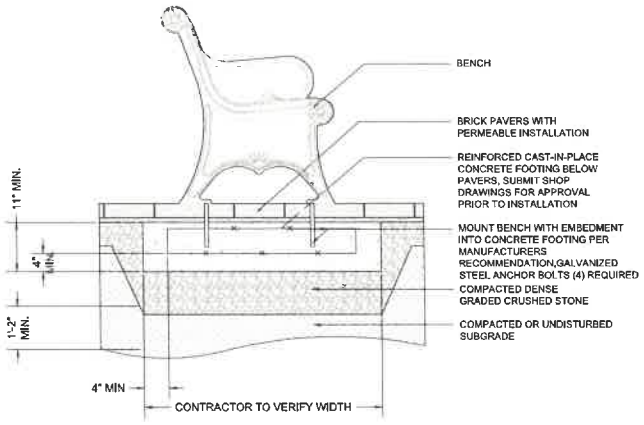
MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

LANDSCAPING PLANS - 01

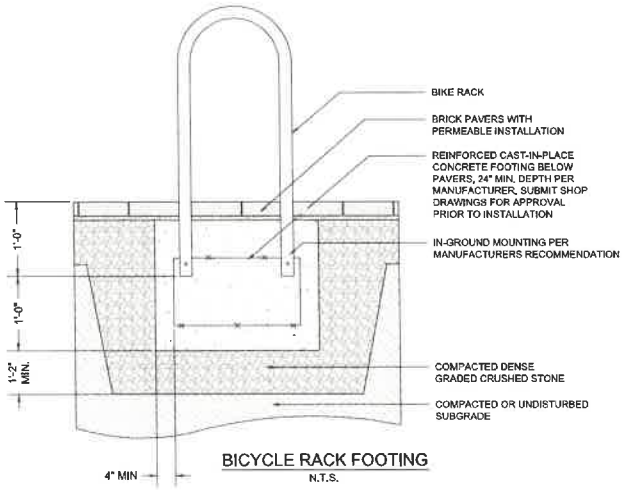
Sheet No. 27

Drawing file: \\A1000\FS01\Projects\Tisbury, R161\Transportation\R161-1712.00 Main Street Sidewalk Improvements\ACAD\Sheet\11x17.dwg Plot Date: May 26 2022 11:47am

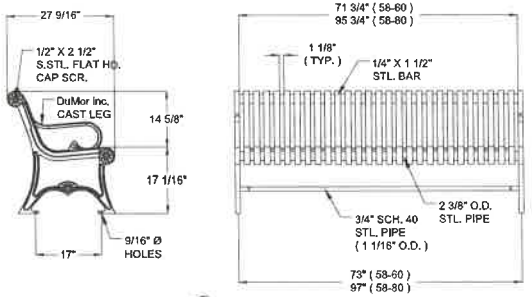




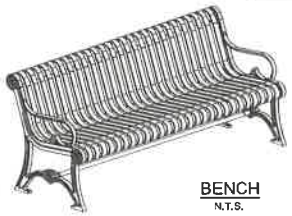
BENCH FOOTING
N.T.S.



BICYCLE RACK FOOTING
N.T.S.

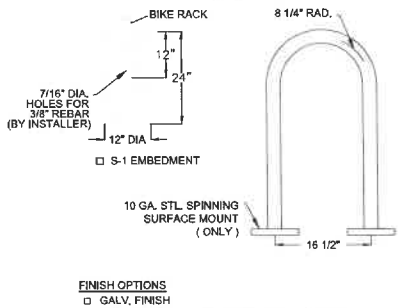


LENGTH OPTIONS
- ☐ 6' BENCH
- ☐ 8' BENCH



BENCH
N.T.S.

NOTES
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
3.) CUSTOM LETTERING AVAILABLE FOR RECESSED SIDE PANELS (TOTAL OF 37 SPACES)

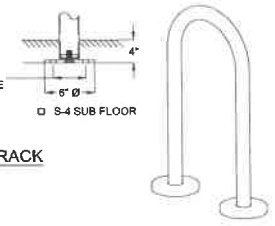


☐ S-1 EMBEDMENT

☐ S-2 SURFACE MOUNT

FINISH OPTIONS
- ☐ GALV. FINISH
- ☐ COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.

NOTE:
1.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTIONS S-2 & S-4.



☐ S-4 SUB FLOOR

BICYCLE RACK
N.T.S.

ENVIRONMENTAL PARTNERS
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Scale	
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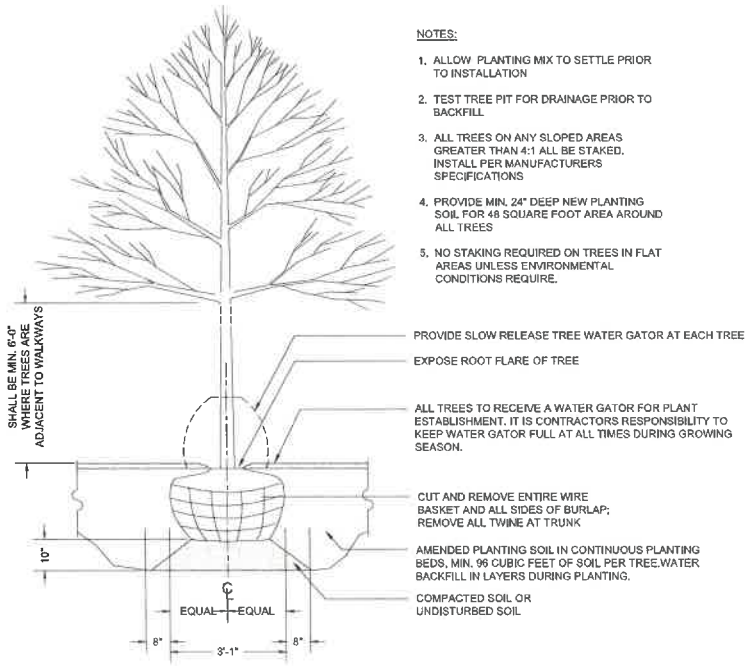
THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

LANDSCAPING PLANS - 02

Sheet No.
28

Drawing file: \\A1WAF3VP01.apexcos.local\ma-ags\Projects\Tisbury, MA\R161\transportation\R161 - 1712.00 Main Street Sidewalk Improvements\CAD\Sheet\15 LS.dwg Plot Date: May 26, 2022 - 11:47am

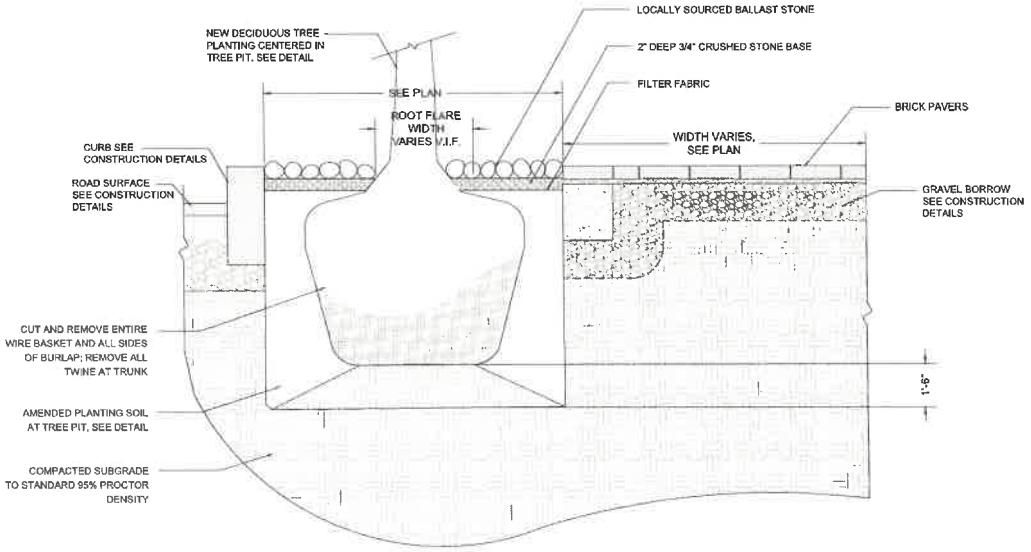


NOTES:

1. ALLOW PLANTING MIX TO SETTLE PRIOR TO INSTALLATION
2. TEST TREE PIT FOR DRAINAGE PRIOR TO BACKFILL
3. ALL TREES ON ANY SLOPED AREAS GREATER THAN 4:1 ALL BE STAKED. INSTALL PER MANUFACTURERS SPECIFICATIONS
4. PROVIDE MIN. 24" DEEP NEW PLANTING SOIL FOR 48 SQUARE FOOT AREA AROUND ALL TREES
5. NO STAKING REQUIRED ON TREES IN FLAT AREAS UNLESS ENVIRONMENTAL CONDITIONS REQUIRE.

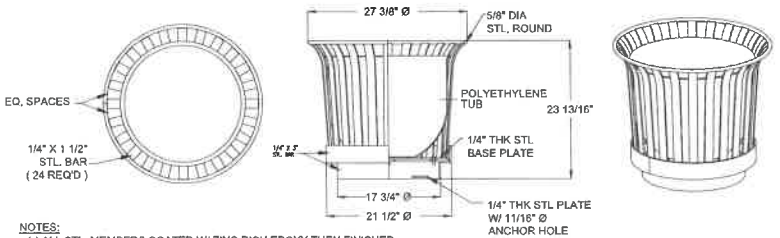
DECIDUOUS TREE PLANTING

N.T.S.



PAVERS AND TREE PIT WITH BALLAST STONE

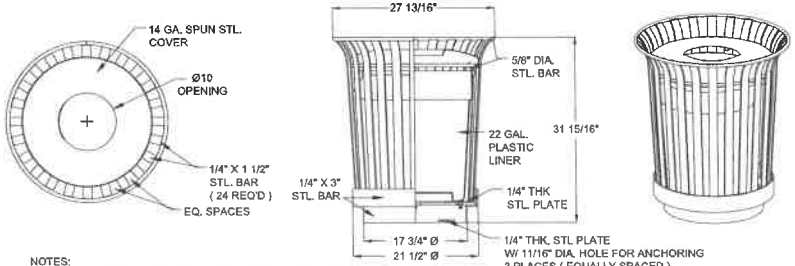
N.T.S.



NOTES:
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.

PLANTER

N.T.S.



NOTES:
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
3.) RECEPTACLE FULLY ASSEMBLED AT FACTORY.

TRASH RECEPTACLE

N.T.S.

ENVIRONMENTAL PARTNERS
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MAIN STREET SIDEWALK IMPROVEMENTS
TISBURY, MASSACHUSETTS

LANDSCAPING PLANS - 03

Sheet No.
29

Drawing file: M:\ADMIN\PROJECTS\2016\R161-1712.00 Main Street Sidewalk Improvements\ACAD\Sheet\161712.00 Landscaping Plans - 03.dwg Plot Date: May 26, 2022 - 11:48am