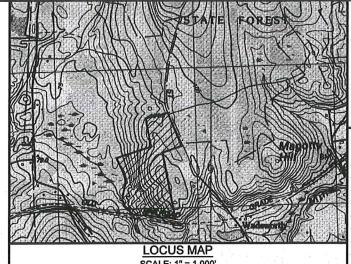
SPRING STREET RENEWABLES, LLC LARGE-CAPACITY GROUND MOUNTED SOLAR ENERGY SYSTEM **SPRING STREET**

RECEIVED APR 1 0 2019

PLANNING DEPT.



Andrews Survey & Engineeri Surveying - Civil Engineering -P.O. Box 312, 104 Memdon Street Uxbridge, Massachusetts 01569 P: 508-278-3897 F: 508-278-228

PPROVAL UNDER SITE PLAN REVIEW

BEING A MAJORITY

THIS CERTIFIES THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE NORTHBRIDGE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED ON AT AND NO APPEAL WAS RECEIVED DURING THE 20 DAYS NEXT AFTER SUCH RECEIPT OF SAID NOTICE.

REVISIONS 1 02/1/19 PEER REVIEW COMMENTS 2 03/11/19 DEP COMMENTS PER 3/28/19 WSI REVIEW PER TOWN/PEER REVIEW COMMENTS

SHEET TITLE

COVER SHEET



DES BY: KNP DATE: NOVEMBER 21,201

FRANKLIN, MASSACHUSETTS

NOVEMBER 21, 2018 REV: APRIL 8, 2019

APPLICANT:

SPRING ST RENEWABLES, LLC 101 SUMMER STREET **BOSTON, MA 02110**

LAND SURVEYOR & CIVIL ENGINEER:

ANDREWS SURVEY & ENGINEERING, INC. **104 MENDON STREET UXBRIDGE, MA 01569** P: 508.278.3897 F: 508.278.2289

ENVIRONMENTAL:

ECR, LLC. P.O. BOX 4012 PLYMOUTH, MA 02361 P: 617-529-3792

CONSULTANT:

NEXAMP, INC. 101 SUMMER STREET **BOSTON, MA 02110**

OWNER OF RECORD: RICHARD COSTELLO PO BOX 283 FRANKLIN, MA 02038
FRANKLIN ASSESSORS INFORMATION:

TOTAL PARCEL AREA: 570,636± S.F. (13.2± AC.)

DEED REFERENCE: DEED BK. 2731, PG. 108

PLAN REFERENCES: P.B. 54, PL. 2557

MICHAEL J BUCCI 4 ALMOND DRIVE JOHNSTON, RI 02919 MAP 309, PARCEL 15 TOTAL PARCEL AREA: 424,013± S.F. (9.7± AC.)

DEED REFERENCE: DEED BK. 34238, PG. 115

PLAN REFERENCES: P.B. 468, PL. 616

OWNER OF RECORD: ANTHONY DEPOTO ETALS 8 SPRING STREET FRANKLIN ASSESSORS INFORMATION: MAP 323, PARCEL 44 TOTAL PARCEL AREA: 1,121,670± S.F. (25.75± AC.)

DEED REFERENCE: DEED BK. 589, PG. 111

PLAN REFERENCES: P.B. 54, PL. 2557

DRAWING DATE	LAST REVISION	SHEET NO.	SHEET TITLE
11/21/18	4/08/19	C0.0	COVER SHEET
11/21/18	4/08/19	C0.1	LEGEND, ABBREVIATIONS, & GENERAL NOTES
11/21/18	4/08/19	C1.0	VICINITY MAP
11/21/18	3/11/19	C1.1 - C1.3	EXISTING CONDITION PLANS
11/21/18	4/08/19	C2.0 - C2.3	SITE PLAN
11/21/18	4/08/19	C3.1 - C-3.3	EROSION & SEDIMENT CONTROL PLAN
11/21/18	4/08/19	C3.4	EROSION & SEDIMENT CONTROL NOTES & DETAILS
11/21/18	4/08/19	C4.1-C4.2	CONSTRUCTION DETAILS
11/21/18	4/08/19	C5.1	WETLAND CROSSING & REPLICATION PLAN
11/21/18	4/08/19	C5.2	LANDSCAPE PLAN
11/21/18	4/08/19	C5.3	SPRING ST IMPROVEMENTS PLAN & PROFILE
11/21/18	0.9	E-101	AC 1-LINE ELECTRIC DIAGRAM (NEXAMP)

GOVERNMENT / UTILITY CONTACTS

FRANKLIN POLICE DEPT. 911 PANTHER WAY P: 508-528-1212 ATTN: THOMAS LYNCH, CHIEF

FRANKLIN FIRE DEPT. 40 WEST CENTRAL STREET P: 508-528-2323 P: 508-520-4912 ATTN: GARY MCCARRAHER, CHIEF

FRANKLIN PLANNING DEPARTMENT 355 EAST CENTRAL STREET P: 508-520-4907 ATTN: AMY LOVE, PLANNER

FRANKLIN D.P.W. 257 FISHER STREET P: 508-520-4910 F: 508-520-4939

FRANKLIN BUILDING DEPT. 355 EAST CENTRAL STREET P: 508-520-4926 F: 508-520-4906 ATTN: LLOYD BROWN, BUILDING COMMISSIONER

AAB	RAL ABBREVIATIONS ARCHITECTURAL ACCESS BOARD	мн	MANHOLE
aab aashto	AMERICAN ASSOCIATION OF STATE	МВ	MAIL BOX
	HIGHWAY AND TRANSPORTATION OFFICIALS	MHD	MASSACHUSETTS HIGHWAY DEPARTMENT MEAN HIGH WATER
ADA AJA	AMERICANS WITH DISABILITIES ACT AMERICAN INSTITUTE OF ARCHITECTURE	MIN	MINIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MISC	MISCELLANEOUS MEAN LOW WATER
AWWA	AMERICAN NATIONAL STANDARDS INSTITUTE AMERICAN WATERWORKS ASSOCIATION	MSL	MEAN SEA LEVEL
BCP BLDG	BITUMINOUS CONCRETE PAVEMENT BUILDING	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE NOT APPLICABLE
C/C	CENTER TO CENTER	NSF	NATIONAL SANITATION FOUNDATION
CB CBR	CATCH BASIN CALIFORNIA BEARING RATIO	NIC NTS	NOT IN CONTRACT NOT TO SCALE
CIP	CAST-IN-PLACE	0.C. 0/0	ON CENTER OUTSIDE TO OUTSIDE
CLF CO	CHAIL LINK FENCE CLEANOUT	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRAT
CONC	CONCRETE	PCC	PORTLAND CEMENT CONCRETE POST AND RAIL FENCE
DIA,ø DMH	DIAMETER DRAIN MANHOLE	PWW	PAVED WATERWAY
EA	EACH	RR RW	RAILROAD RETAINING WALL
EG EL.ELEV	EXISTING GRADE ELEVATION	S/E SMH	SMILAR OR EQUAL TO SEWER MANHOLE
ESHGW	ESTIMATED SEASONAL HIGH GROUND WATER	STCK	STOCKAID FENCE
ew ex,exist	EACH WAY EXISTING	TBA	TO BE ABANDONED TOP BACK CURB
FF	FINISHED FLOOR	TBD .	TO BE DETERMINED
FDN FG	FOUNDATION FINISH GRADE	TBR TC	TO BE REMOVED TOP OF CONCRETE
GALV GW	GALVANIZED GROUNDWATER	TEMP	TEMPORARY
HAR	HANDICAP ACCESSIBLE RAMP	TF TO	TOP OF FOUNDATION TOP OF OPENING
HOR HWM	HORIZONTAL HIGH WATER MARK	TP	TOP OF PAVEMENT
INV	INVERT	TW TYP	TOP OF WALL TYPICAL
MAX	MAXIMUM	VERT	VERTICAL
		WS WWF	WATER SURFACE WELDED WIRE FABRIC
	ADDDEMATIONS	9 7 9 18	
UNIT	ABBREVIATIONS		
AC _	ACRES	кин	KILOWATT HOURS
AC-FT AFA	ACRE-FEET ACRE-FEET ANNUALLY	LB LF	POUNDS LINEAR FEET
CF	CUBIC FEET	MG	MILLION GALLONS
CFM CFS	CUBIC FEET PER MINUTE CUBIC FEET PER SECOND	MGD MGL	MILLION GALLONS PER DAY MILLIGRAMS PER LITER
CY	CUBIC YARDS	M	MILES
FPM FPS	FEET PER MINUTE FEET PER SECOND	MPH	MILES PER HOUR POUNDS PER SQUARE INCH
FT	FEET	RPM	REVOLUTIONS PER MINUTE
GAL GPM	GALLONS GALLONS PER MINUTE	SF SM	SQUARE FEET SQUARE MILES
HP	HORSEPOWER		
		SY	SQUARE YARD
HR IN	HOURS INCHES	T V W	SQUARE YARD TONS VOLTS WATTS
HR	HOURS INCHES	T W	TONS
HR	HOURS	T W	TONS
PIPE AC	AND VALVE ABBREVIATION ASBESTOS CEMENT		TONS VOLTS WATTS INSIDE DIAMETER
PIPE AC ACCM	HOURS WCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSHALT—COATED CORRUGATED METAL	T V W S.	TONS VOLTS WATTS INSDE DIAMETER RRIGATION
PIPE AC ACCH AVRV BF	AND VALVE ABBREVIATION ASSESTOS CEMENT ASPHALT-COATED CORRUGATED METAL ARY/MODUM RELIEF VALVE BUND FLANCE	S ID IRR MJDI OO	TONS VOLTS WATTS INSIDE DIAMETER IRRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER
PIPE AC ACCM AVRV BF BFV	AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHAIT—COATED CORRUGATED METAL ARRYACQUIM RELIEF VALVE BUND FLANGE BUTTERTLY VALVE	S. ID IRR MJDI OOL OIL	TONS VOLTS WATTS INSIDE DIAMETER IRRIGATION MECHANICAL JOINT DUCTILE IRON
PIPE AC ACCM AVRV BF BFV BV BW	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT—COATED CORRUCATED METAL ARRYACOUN RELIEF VALVE BUHN FLANGE BUTTERLY VALVE BALL VALVE BALL VALVE BUTT WALD	S ID IRR MJDI OD OIL PE PJDI	TONS VOCTS WATTS INSIDE DIAMETER REGIOATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON
PIPE AC ACCM AVRV BF BFV BV BW CI	AND VALVE ABBREVIATION ASBESTOS CEMENT ASPHALT—COATED CORRUGATED METAL ARY/ACQUIM RELIEF VALVE BUIND FLANGE BUILTERFLY VALVE BALL VALVE BUILT WELD CAST IRON	S ID IRR MADI OO OIL PE PJOI PRV	TONS VOLTS WATTS INSIDE DUAMETER RRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DUAMETER CRUDE OR FUEL OIL PLAN ERO PUSH—ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE
PIPE AC ACCM AVRV BF BFV BV CI CL CLDI	HOURS INCHES AND VALVE ABBREVIATION ASBESTOS CEMENT ASPHALT—COATED CORRUGATED METAL ARY/ACQUIM RELIEF VALVE BUINT RELIEF VALVE BUITT WALVE BUITT WELD CAST RON CLAST COMENT LINED DUCTILE IRON	S ID IRR MJDI OO OIL PE PJDI PRV PSV PVC	TONS VOLTS WATTS INSIDE DUAMETER RRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DUAMETER CRUDE OR FUEL OIL PLAN END PUSH—ON JOINT DUCTILE IRON PRESSURE SUSTINING VALVE PRESSURE REDUCING VALVE
PIPE AC ACCM AVRV BF BFV BV CC CLDI CMIP	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL ARY/VACUUM RELIEF VALVE BUILD FLAVICE BUILD VALVE BUILD VALVE BUILD VALVE BUILD VALVE CAST BYON CLASS CEMENT LINED DUCTILE BYON CORRUGATED METAL, PIPE	S ID IRR MJDH OO OIL PE PJDH PRV PSV	TONS VOCTS WATTS WATTS WATTS WATTS WATTS WE ANALYTIC WATTER REGION WATTER REGION WATTER CRUDE OF FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYWINL GRORDE REINFORCED CONCRETE PIPE
PIPE AC ACCM AVRV BF BFV BV CCL CLDIP CCS CCV	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL ARE/VACUUM RELIEF VALVE BUND FLANGE BUTTERFLY VALVE BALL VALVE BUIT WALD CAST RON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL, PIPE COMBINED SEWER CHECK VALVE	S ID IRR MADI OD OIL PE PAON PRV PVC RCP RD RJ	TONS VOCTS WATTS WATTS
PIPE AC ACCM AVRY BF BFV BV CC CLDI CLDI CCAIP CS CV DI	HOURS INCHES AND VALVE ABBREVIATION ASBESTOS CEMENT ASPHALT—COATED CORRUGATED METAL ARRYACAUM RELIEF VALVE BUHN PLANGE BUHN PLANGE BUTTERLY VALVE BALL VALVE BUTT WALD CAST BON CLASS CEMENT LINED DUCTILE IRON CORRIGATED METAL PIPE COMBINED SEMER CHECK VALVE DUCTILE IRON	S ID IRR MJDI OO OIL PE PJUD PRV PSV PVC RCP RD	TONS VOLTS WATTS INSIDE DIAMETER IRRIGATION MICCHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE PRESSURE SUSTAINES VALVE POLYNINI, CHLORIDE REINFORCED CONCRETE PIPE ROOF DRAIN
PIPE AC ACCM AVRV BF BFV BW CI CLDI CMP CCS CV DI FID	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT—COATED CORRUGATED METAL ARRYACOUNT RELIEF VALVE BUHN FLANGE BUHN FLANGE BUTTERLY VALVE BULL VALVE BULL VALVE BULL VALVE CAST BON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE DUCTILE IRON FOUNDATION DRAIN FLANGED JOINT DUCTILE IRON	S ID ID IRR MUDH OD OIL PE PUON PRV PVC RCP RD RJ RW D S S TO THE POON PRV RW D S S TO THE POON RW RW D S S TO THE RW	TONS VOLTS WATTS INSIDE DIAMETER IRRIGATION MICHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYNINI, ORLORDE REINFORCED CONCRETE PIPE ROOF DRAIN RESTRAINED JOINT RESULENT WEDGE
PIPE AC ACCHI AVIRV BF BFV BV CLDI CLDI CLDI CLDI FFD FFD FFD FFD FFL FFL FFL FFL FFL FFL	HOURS INCHES AND VALVE ABBREVIATION ASSESTIOS CEMENT ASSPHALT-COATED CORRUGATED METAL. ARE/VACUUM RELIEF VALVE BUIND FLANGE BUINTERFLY VALVE BUILT WELD CAST IRON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL. PIPE COMBINED SEMER CHECK VALVE DUCTILE IRON FLANGED JOINT DUCTILE IRON FLANGED JOINT DUCTILE IRON FLANGED JOINT DUCTILE IRON FLANGED JOINT DUCTILE IRON FLANGE	S ID IRR MADI OD OIL PE PAON PRV PVC RCP RD RJ RW D	TONS VOCTS WATTS WATTS
PIPE AC ACCM ACCM AVRV BF BFV BW CC CL CLDI CC CDI FF	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHANT-COATED CORRUGATED METAL ARE/VACUUM RELIEF VALVE BUIND FLANCE BUIND FLANCE BUINT FLANCE BUITTERTY VALVE BUITT WELD CAST IRON CAST IRON CAST IRON CORRUGATED METAL PIPE COMBINED SCHER COMBINED SCHER COMBINED SCHER FOUNDATION DRAIN FLANCED JOINT DUCTILE IRON FLANCE CAS GAS CAS VALVE	S ID ID IRR MUDIA OO OO OOL PRO PRO PRO RD RJ RW D S ST UD VC	TONS VOLTS WATTS WATTS
PIPE AC ACCM AVRV BBFV BV CL CLIDI CMP FD FD FD FD HD FE G G FV HD FE HD FE HD FE HD FE HD FE HD HD FE HD HD HD HD HD HD HD HD HD H	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL ARY/ACQUIM RELIEF VALVE BUIM FLANCE BUIM FLANCE BUIL VALVE BUIL VALVE BUIL VALVE BUIL VALVE CAST BON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE DUCTILE IRON FOUNDATION DRAIN FLANCED JOINT DUCTILE IRON FLANCE GAS GAS VALVE HIGH DENISTY POLYETHYLENE	S. ID ID IBR MJDH OD OIL PE PJUN PRV PVC RCP RCP RJ RW D S ST UD	TONS VOLTS WATTS WATTS INSIDE DIAMETER RRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FULL OIL PLAIN END PUSH—OH JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYVINTL CHLORDE REDIFFORCE ONCRETE PIPE ROOF DRAIN RESIRANED JOINT RESILENT WEDGE STORM DRAIN SANITARY SEWER STEAM UNDERDRAIN
PIPE AC ACCM ACCM AVRV BF BFV BW CC CL CLDI CC CDI FF	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHANT-COATED CORRUGATED METAL ARE/VACUUM RELIEF VALVE BUIND FLANCE BUIND FLANCE BUINT FLANCE BUITTERTY VALVE BUITT WELD CAST IRON CAST IRON CAST IRON CORRUGATED METAL PIPE COMBINED SCHER COMBINED SCHER COMBINED SCHER FOUNDATION DRAIN FLANCED JOINT DUCTILE IRON FLANCE CAS GAS CAS VALVE	S ID ID IRR MUDIA OO OO OOL PRO PRO PRO RD RJ RW D S ST UD VC	TONS VOLTS WATTS WATTS
PIPE AC ACCM AVRV BBFV BV CL CLIDI CMP FD FD FD FD HD FE G G FV HD FE HD FE HD FE HD FE HD FE HD HD FE HD HD HD HD HD HD HD HD HD H	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL ARY/ACQUIM RELIEF VALVE BUIM FLANCE BUIM FLANCE BUIL VALVE BUIL VALVE BUIL VALVE BUIL VALVE CAST BON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE DUCTILE IRON FOUNDATION DRAIN FLANCED JOINT DUCTILE IRON FLANCE GAS GAS VALVE HIGH DENISTY POLYETHYLENE	S ID ID IRR MUDIA OO	TONS VOLTS WATTS WATTS
PIPE AC ACCM AVRV BBFV BV CL CLIDI CMP FD FD FD FD HD FE G G FV HD FE HD FE HD FE HD FE HD FE HD HD FE HD HD HD HD HD HD HD HD HD H	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL ARR/VACUUM RELIEF VALVE BLIRD FLANGE BUTTERTY VALVE BALL VALVE BUTT WALD CAST BON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL PIPE COMBINED SEWER CHICKY VALVE BUTTE IRON CORRUGATED METAL PIPE COMBINED SEWER CHICKY VALVE BUCTILE IRON FLANGED JOINT DUCTILE IRON FLANGE GAS CAS VALVE HIGH DENSITY POLYETHYLENE HIGH POINT	S ID ID IRR MAJOR OOL PE PJOH PRV PVC RCP RD RJ RW D S ST UD VC WV	TONS VOLTS WATTS WATTS
PIPE AC ACCM AVRY BFY BFY BV CC CL CLDIP CS CV DI FD	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL AIR/VACUUM RELIEF VALVE BLIAN PLANGE BLIAN VALVE BUITERTY VALVE BALL VALVE BUIT WALD CAST BON CALSS CEMENT LINED DUCTILE IRON CORRUGATED METAL PIPE COMBINED SCHER CHICKY VALVE DUCTILE IRON FOUNDATION DRAIN FLANGED JOINT DUCTILE IRON FLANGE GAS GAS VALVE HIGH DENSITY POLYETHYLENE HIGH POINT	S ID ID IRR MAJOR OOL PE PJOH PRV PVC RCP RD RJ RW D S ST UD VC WV	TONS VOLTS WATTS WATTS
HR N N PIPE AC ACCAN ACRY BE BY BY BY BY CO CLUMB CS CY DI FE FOR CY BY	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL. ARE/VACUUM RELIEF VALVE BUITTERFLY VALVE BUITT WALD CAST RON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL. PIPE COMBINED SEWER CHECK YALVE DUCTILE IRON FOUNDATION DRAIN FLANCE JOHNT DUCTILE IRON FLANCE GAS GAS VALVE INGH DENSITY POLYETHYLENE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BECON VERTICAL CURVE	S ID IP IR IR IN ID IP IP IP IP IP IP IP IP IP	TONS VOCTS WATTS WATTS
HR N PIPE AC ACCUM BEBEY BUY BUY BUY BUY BUY BUY BUY BUY BUY BU	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT—COATED CORRUGATED METAL ASSPHALT—COATED CORRUGATED METAL ASSPHALT—COATED CORRUGATED METAL BUTTO FLANGE BUILD VALVE BULL VALVE BULT WALD CAST BON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE DUCTILE IRON FOUNDATION DRAIN FLANGED JOINT DUCTILE IRON FLANGE CAS VALVE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB	S ID IBR	TONS VOLTS VOLTS VOLTS WATTS INSIDE DIAMETER RRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAIN END PUSH—ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYVINTL CHLORDE REDIFFORCE CONCRETE PIPE ROOF DRAIN RESIRANED JOINT RESILENT WEDGE STORM DRAIN SANITARY SEWER STEAM UNDERDRAIN VITRIFIED CLAY WATER VALVE
HR N PIPE AC ACANY BE BEV BW C C. C. C. D. P. F. F. F. G. C. C. C. D. P. F. F. F. G. C. C. C. C. D. P. F. F. F. G. C. C. C. C. D. P. F. F. F. G. C.	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASPHALT-COATED CORRUGATED METAL ARRYACOUN RELIEF VALVE BUILD FLANCE BUILD FLANCE BUILD VALVE BUILD VALVE BUILD VALVE BUILD VALVE BUILD VALVE BUILD RON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE BUCTILE IRON FOUNDATION DRAIN FLANCED JOINT DUCTILE IRON FOUNDATION DRAIN FLANCE JOINT PULYTIHYLENE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BEGIN VERTICAL CURVE CALCULATED CAPE COO BERM CENTER BACK	S ID	TONS VOLTS WATTS WATTS WATTS NISIDE DIAMETER RRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYANTL CHLORDE REDICTOR VALVE POLYANTL CHLORDE ROOF GRAIN RESTRANED JOINT WEDGE STORAL DRAIN VITRIFIED CLAY WATER VALVE NOW OR FORMERLY POINT OF CURVATURE POINT OF CURVATURE POINT OF COMPOUND CURVATURE POINT OF COMPOUND CURVATURE PRECAST CONCRETE CURB
HR N N PIPE AC AC ACCAL ANTY BERY BRW CI CLUL COLLEGE C C CV DI FEDI C CV DI FEDI C C CV DI FEDI C CV DI FED	HOURS INCHES AND VALVE ABBREVIATION ASSESTIOS CEMENT ASSPHALT-COATED CORRUGATED METAL. ARE/VACUUM RELIEF VALVE BUILD FLANCE BUITT MELD CAST RON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL. PIPE COMBINED SEWER CHECK YALVE DUCTILE IRON FLANCE GAS GAS VALVE HIGH DENSITY POLYETHYLENE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BEON VERTICAL CURVE CALCULATED CAPE COD BERM CENTES BACK CROSSWALK	S ID ID IRR MADI OO	TONS VOCTS WATTS WATTS
HR N N P P P P P P P P P P P P P P P P P	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL. ARE/VACUUM RELIEF VALVE BUILD FLANCE BUTT SELD BUTT WELD CAST RON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL. PIPE COMBINED SEWER CHECK YALVE DUCTILE IRON FLANCE GAS CAS VALVE HIGH DENISTY POLYETHYLENE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BEON VERTICAL CURVE CALCULATED CAPE COD BETM CENTES BACK CROSSWALK DRILL HOLE IN CONCRETE BOUND	S ID ID IRR MUDIO OOL PE PAON PRV PVC RD RJ RW WY	TONS VOCTS WATTS WATTS
HR N N PIPE AC ACACM ANTY BE BEV BW CI CL.	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL ARY/ACQUIM RELIEF VALVE BUIM PLANGE BUIND FLANGE BUIL VALVE BUIL VALVE BUIL VALVE BUIL VALVE BUIL VALVE COMBINED SEWER CHECK VALVE DUCTILE IRON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE DUCTILE IRON FOUNDATION DRAIN FLANGE JOINT PUCTILE IRON FOUNDATION DRAIN FLANGE GAS VALVE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BEGIN VERTICAL CURVE CALCULATED CAPE COO BERM CENTER BACK CROSSWALK RILL HOLE BRILL HOLE IN STONE BOUND BRILL HOLE IN STONE BOUND	S ID ID IBR MUDH OO OIL PE PUON PRV PVC ROP RD RJ RW D S ST UD VC WY	TONS VOLTS WATTS WATTS WATTS NISIDE DIAMETER RRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYANTL CHLORDE RRINFORCE CONCRETE PIPE ROOF GRAIN RESTRANED JOINT RESULENT WEDGE STORAL DRAIN VITRIFIED CLAY WATER VALVE NOW OR FORMERLY POINT OF CURVATURE POINT OF CURVATURE POINT OF CURVATURE POINT OF INTERSECTION PUNCH MARK POINT OF REVERSE CURVATURE
HR N N PIPE AC ACACM ANNY BY	AND VALVE ABBREVIATION ASSESTOS CEMENT ASPHALT—COATED CORRUCATED METAL ARY/ACUIM RELIEF VALVE BUILD PLANGE BUILD PLANGE BUILD VALVE COMBINED SEWER CHECK VALVE DUCTILE IRON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE DUCTILE IRON FOUNDATION DRAIN PLANGED JOINT DUCTILE IRON FOUNDATION DRAIN PLANGED JOINT DUCTILE IRON FLANGE GAS VALVE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BECON VERTICAL CURVE CALCULATED CAPE COD BERM CENTER BACK CROSSWALX BITH BACK BACK BACK BACK BACK BACK BACK BACK	S. ID IRR IRR IRR IRR IRR IRR IRR	TONS VOLTS WATTS WATTS NISIDE DIAMETER RRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUISH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYMINL CHLORDE RRIDFORCE CONCRETE PIPE ROOF DRAIN RESTRAINED JOINT RESTRAINED FORM TO FORMERLY POINT OF COMPOUND CHRVATURE POINT OF COMPOUND CHRVATURE POINT OF REVERSE CURVATURE POINT OF VERTICAL LURVATURE POINT OF VERTICAL CURVATURE POINT OF VERTICAL CURVATURE POINT OF VERTICAL CURVATURE POINT OF VERTICAL CURVATURE
HR N N PIPE AC ACCAI ACCAI ACCAI BBV BBV CO CLOCK CO CO CO BBV CO CO CO CO BBV CO CO CO CO CO CO CO CO CO CO	AND VALVE ABBREVIATION ASSESTIOS CEMENT ASSPHAIT-COATED CORRUGATED METAL. ARE/ACQUIM RELIEF VALVE BUND FLANGE BUIND FLANGE BUTTERTY VALVE BULL VALVE BUTT WELD CAST RON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL. PIPE COMBINED SEMER CHECK VALVE DUCTILE IRON FLANGE DOINT DUCTILE IRON FLANGE CAS CAS VALVE HIGH DENISTY POLYETHYLENE HIGH DENISTY POLYETHYLENE HIGH POINT EY AND HIGHWAY ABBREVIA BEGIN VERTICAL CURVE CALCULATED CAPE COO BERM CENTER BACK CROSSWALK DRILL HOLE BILL HOLE BILL HOLE BILL HOLE IN CONCRETE BOUND DRILL HOLE IN STONE BOUND EDGE OF PAVEMENT ESCUTCHEON PIN IN LEAD PLUG END VERTICAL CURVE ESCUTCHEON PIN IN LEAD PLUG END VERTICAL CURVE ESCUTCHEON PIN IN LEAD PLUG END VERTICAL CURVE END VERTICAL CURVE ESCUTCHEON PIN IN LEAD PLUG END VERTICAL CURVE	S ID ID IRR MUDIO OOL PE PUOI PRV PVC RD ST UD VC WV TIONS IV/F PCC PCC PCC PCC PCC PCC PCC PCC PCC PC	TONS VOCTS WATTS WATTS
HR N N ACACMA ANALY BEBY BBY C C. C	AND VALVE ABBREVIATION ASSESTOS CEMENT ASPHANT-COATED CORRUGATED METAL. ARE/ACQUIM RELIEF VALVE BUND FLANCE BUND FLANCE BUTTERTY VALVE BUTT WELD CAST BON CAST BON CAST BON CORRUGATED METAL. PIPE COMBINED SEMER CHECK VALVE DUCTILE BON FLANCE GAS GAS VALVE HIGH DENISTY POLYETHYLENE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BEGIN VERTICAL CURVE CALCULATED CAPE COD BERM CENTER BACK CROSSWALK DRILL HOLE BILL HOLE DRILL HOLE BONNE BOUND DRILL HOLE IN CONCRETE BOUND DRILL HOLE IN STONE BOUND EDOC OF PAVILENT ESCUTIONEON PIN IN LEAD PLUG END VERTICAL CURVE FOUND FOUND	S ID ID ID ID ID IRR IMJOI OO OOL PRV PVV PVV ROP RD RJ RW VC WV IDONS IN/F PC PC PC PC PC PC PC PC PC P	NOS VOCTS WATTS NISIDE DIAMETER RRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DUAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYWIYL ORLORDE RESTORED DESCRIPTORCE ONCORETE PIPE ROOF ORAN SANATARY SEWER STOKEN DERAN SANATARY SEWER STEAM UNDERDRAIN MITRIFIED CLAY WATER VALVE NOW OR FORMERLY PORT OF CURVATURE PORT OF COMPOUND CURVATURE PRECAST CONCRETE CURB POINT OF INTERSECTION PUNCH MARK POINT OF TANGENCY RADIUS RECORD
HR N N PIPE AC ACACM ACACM ACACM COLDINGS	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL ARY/VACUUM RELIEF VALVE BLIRD FLANGE BLIRD FLANGE BLIRD FLANGE BALL VALVE BUIT WALD CAST BON CALSS CEMENT LINED DUCTILE BON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE DUCTILE IRON FOUNDATION DRAIN FLANGE GAS GAS VALVE HIGH DENT HIGH DENT EY AND HIGHWAY ABBREVIA BITUMINOS CONCRETE CURB BEGON VERTICAL CURVE CALCULATED CAPE COD BERM CRESSWALX BITUMINOS CONCRETE BOUND BILL HOLE IN STONE BOUND BUILL HOLE IN STONE BOUND EDICULTED BOON BUILL HOLE IN STONE BOUND EDICULTED SCUTTERED BUILD BILL HOLE IN STONE BOUND EDICULTED SCUTTERED IN IN LEAD PLUG END VERTICAL CURVE FOUND	S. ID IRR IRR INDI OOL PE POUN PRV PVC RCP RD S ST UD VC WV TIONS INF PC PC PC PC PC PC PC PC PC P	NISIDE DIAMETER RRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLIVANTL CHLORDE REDIFFERED SUSTAINING VALVE POLIVANTL CHLORDE RESTRANED JOINT RESTRANED UNDERDRAN SANTAINED RESTRANED RESTR
HR N N PIPE AC ACOUNT OF THE N N N N N N N N N N N N N N N N N N N	AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHAT-COATED CORRUGATED METAL ARS VACUUM RELIEF VALVE BURD FLANGE BURD FLANGE BUILD FLANGE CALSS CEMENT LINED DUCTILE IRON CORRUGATED METAL PIPE COMBINED SCWER CHECK VALVE BUCTILE IRON FLANGE FOUNDATION DRAIN FLANGED JOHNT DUCTILE IRON FLANGE GAS GAS VALVE HIGH DENSITY POLYETHYLENE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONGRETE CURB ESCON VERTICAL CURVE CALCULATED CAPE COD BERM CENTER BACK CROSSWALK BRILL HOLE DRILL HOLE IN STONE BOUND DICK OF PAVELIENT ESCULTISHED HIN IN LEAD PLUG END VERTICAL CURVE FOUND HIGH POINT HUB & TACK RON ROO BRON PIPE	S ID	INSIDE DIAMETER IRRIGATION MCCHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYWINL CHLORIDE REDIFFORCE CONCRETE PIPE ROOF DRAIN RESTRAINED JOINT RESTRAINED POINT OF COMPOUND CURVATURE PIECAST CONCRETE CURB POINT OF REFIRES POINT OF TAINERSECTION POINT OF VERTICAL TAINERSECTION POINT
HR N N AC ACCAN ACCAN ACCAN ACCAN BEBY COLOLOLOLOLOLOLOLOLOLOLOLOLOLOLOLOLOLO	AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHAT-COATED CORRUGATED METAL. ARE/ACQUIM RELIEF VALVE BUND FLANCE BUND FLANCE BUTTERTY VALVE BUTT WELD CAST BON CAST BON CAST BON CORRUGATED METAL. PIPE COMBINED SEMER CHECK VALVE DUCTILE BON FLANCE DUCTILE BON FLANCE GAS GAS VALVE HIGH DENISTY POLYETHYLENE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BEGIN VERTICAL CURVE CALCULATED CAPE COO BERM CENTER BACK CROSSWALK DRILL HOLE BON LEAD FLORE BOND BOND BOND BOND BOND BOND BOND BOND	S ID ID IRR IMJOI OO OOL PPE PJOI PRV PVC ROP RJ RW S ST UD VC WV TIONS N/F PC	NOS VOCTS WATTS NISIDE DIAMETER BRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCHNG VALVE PRESSURE SUSTAINING VALVE POLIVANTL ORLORDE ROOF DRAIN RESTRANED JOINT RESTRANED JOINT RESTRANED JOINT RESTRANED JOINT RESTRANED JOINT RESTRANED JOINT WITHFIED CLAY WATER VALVE NOW OR FORMERLY POINT OF CURVATURE POINT OF COMPOUND CURVATURE PRECAST CONCRETE CURB POINT OF TRESSECTION PUNCH MARK POINT OF REVERSE CURVATURE POINT OF VERTICAL INTERSECTION POINT OF VERTICAL TANGENCY RADUS RECORD RECORD AND HELD RIGHT OF WAY
HR N PPE AC ACANY BE BEV BW C C. C	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL ARY/ACQUIM RELIEF VALVE BUIM PLANGE BUITERTY VALVE BUIL VALVE BUIL VALVE BUIL VALVE BUIL VALVE BUIL VALVE BUIL BOD DUCTILE IRON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE DUCTILE IRON FOUNDATION DRAIN FUNDATION DRAIN FLANGED JOINT PUCTILE IRON GAS GAS VALVE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BEGIN VERTICAL CURVE CALCULATED CAPE COO BERM CENTER BACK CROSSWALK DRILL HOLE BORLL HOLE BORL	S ID ID ID IRR IMJOI OO OOL PPE PJOI PRV PVC ROP RJ RW D S ST UD VC WV IDONS IN/F PC	NISIDE DIAMETER BRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PUSH-ON JOINT DUCTILE IRON PRESSURE SEDIZONING VALVE PRESSURE SUSTAINING VALVE POLITYINTL ORLORDOR REDIFFORCE CONCRETE PIPE ROOF DRAIN RESTRANED JOINT POINT OF CURVATURE POINT OF CURVATURE POINT OF CURVATURE POINT OF INTERSECTION PUNCH MARK POINT OF REVERSE CURVATURE POINT OF TANGENCY RADIUS RECORD RECORD AND HELD RIGHT OF WAY STONE BOUND SLOPED GRAINE CURB STATE HIGHWAY LAYOUT LINE STAYE & STONES STAYE & STONES
HR N N PPE AC ACAN SET OF THE SE	AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL. ARE AVACUUM RELIEF VALVE BUITT WALD BUITTERFLY VALVE BUITT WALD CAST RON CLASS CEMENT LINED DUCTILE IRON CORRUGATED METAL. PIPE COMBINED SEWER CHECK YALVE DUCTILE IRON FOUNDATION DRAIN FLANCE JOHNT DUCTILE IRON FLANCE GAS GAS VALVE HIGH POINT BUTTHER BACK CROSSWALK DRILL HOLE BUTTHER B	S ID IRR MADDI OD IRR MADDI OD OL PED PRV PSV PVC RCP RD S ST UD VC WV ITIONS IN/F PC PCC PCC PCC PCC PCC PCC PC	INSIDE DIAMETER IRRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYVINTL CHLORDE REDIFFORCE CONCRETE PIPE ROOF DRAIN RESTRAINED JOINT RESTRAINED RESTRAINE
HR N PPE AC ACANY BE BEV BW C C. C	HOURS INCHES AND VALVE ABBREVIATION ASSESTOS CEMENT ASSPHALT-COATED CORRUGATED METAL ARY/ACQUIM RELIEF VALVE BUIM PLANGE BUITERTY VALVE BUIL VALVE BUIL VALVE BUIL VALVE BUIL VALVE BUIL VALVE BUIL BOD DUCTILE IRON CORRUGATED METAL PIPE COMBINED SEWER CHECK VALVE DUCTILE IRON FOUNDATION DRAIN FUNDATION DRAIN FLANGED JOINT PUCTILE IRON GAS GAS VALVE HIGH POINT EY AND HIGHWAY ABBREVIA BITUMINOUS CONCRETE CURB BEGIN VERTICAL CURVE CALCULATED CAPE COO BERM CENTER BACK CROSSWALK DRILL HOLE BORLL HOLE BORL	S ID IP IP IP IP IP IP IP IP IP	INSIDE DIAMETER IRRIGATION MECHANICAL JOINT DUCTILE IRON OUTSIDE DIAMETER CRUDE OR FUEL OIL PLAN END PUSH-ON JOINT DUCTILE IRON PRESSURE REDUCING VALVE POLYVINTL CHLORDE REDIFFORCE CONCRETE PIPE ROOF ORAN RESTRANSED JOINT RESTRANSED PORT OF COMPOUND CRIVATURE PORT OF COMPOUND CRIVATURE PORT OF COMPOUND CRIVATURE PORT OF TANGENCY PORT OF VERTICAL TANGENCY RADIUS RECORD RECORD AND HELD RIGHT OF WAY STOKE BOUND SLOPED GRANTE CURB STATE HERMAY LAYOUT LINE STANE & STOKES STANION

TREE ABBREVIATIONS

MP MAPLE CH CHERRY
OK OAK EM ELM.
PN PINE AS ASH
PR PEAR BR BIRCH
CO CEDIAR LC LOCUIST
CA CATALPA SP SPRUCE
FR FIR WA WALNUT

DG DOGWOOD
AP APPLE
PO POPLAR
WL WILLOW
HM HEMLOCK
BE BEECH

A CONTRACTOR OF THE CONTRACTOR

EXISTING	AL LEGEND	PROPOSED
× 2325	SPOT ELEVATION	FG ~232
100	MAJOR ELEVATION CONTOUR	100
	- MINOR ELEVATION CONTOUR	100
	INTERMITTENT STREAM, DRAINAGE DITCH, OR EDGE OF SEASONAL PONDING AREA	
AWFAI	SHORE LINE (SEE ABBREVIATIONS)	
A 44	WETLAND EDGE WITH FLAG NO.	
	/ EDGE OF WOODS OR BRUSH (DRIP LINE)	TITU
(B)26.8	PROMINENT DECIDUOUS TREE WITH ELEVATION, SIZE AND SPECIES	€ 26.8 127M
25.8	PROMINENT CONFEROUS TREE WITH ELEVATION, SIZE AND SPECIES	26.8
THETOTATA		18*P
	WETLAND FILL LIMIT	(515) 54:34
	WETLAND REPLICATION AREA LIMIT	
	LIMIT OF CONSERVANCY DISTRICT OR WATERSHED PROTECTION DISTRICT - LIMIT OF WILDLIFE HABITAT AREA	
	EROSION CONTROL BARRIER	
	HAYBALES	
	SURFACE RUNOFF DIRECTION	
-	WATERCOURSE FLOW PIPE FLOW	- ~~
C NOTE OF THE PARTY OF THE PART	DEEP SOIL OBSERVATION HOLE	10 To
X		
⊙ ₅₀₃	PERCOLATION TEST SOIL PROBE	⊙ ⁵⁹²
0 80	SOIL BORING HOLE	O 833
€ 0.5	GROUNDWATER MONITORING WELL	⊖ gus
0	STORM DRAIN WITH FLARED END W/ RIPRAP APRON	D
	STORM DRAIN WITH HEADWALL	December 1
OHY		
	OVERHEAD WIRE	—— они ——
	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES	—— онw —— —— E —
	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE	—— OHW —— E —— WS ——
	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE	——————————————————————————————————————
	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE &	— OHW — E — WS — FS — FM — FM
	ELECTRIC MANHOLE & UNDERSCOUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERSCOUND TELEPHONE LINES SEWER LINE & MANHOLE SIZE	— OHW — E — E — WS — FS — FM — T — SS
© 8,00 	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC UNES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEMER UNE & MANHOLE SIZE MATERIAL & FLOW DIRECTION	OHW E
© 8.Cl	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC UNES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEMER UNE & MANHOLE SIZE MATERIAL & FLOW DIRECTION	OHW ————————————————————————————————————
© <u>P.Q.</u> © <u>P.Q.</u> L	ELCTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEWER LINE & MANHOLE STZE MATERIAL & FLOW DIRECTION DRAMILIBLE W/ PIPE STZE MATERIAL & FLOW DIRECTION, CATCH BASIN MANHOLE & ROUND CATCH BASIN MANHOLE & ROUND CATCH BASIN ROOF DRAIN AND DOWNSPOUT	OHW ————————————————————————————————————
© 200 © 200 © 200 0 - 1 - 1 - 12 - 12 - 12	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEWE UNE & MANHOLE SIZE MATERIAL & FLOW DIRECTION DRAINING W/PIPE SIZE, MATERIAL & FLOW DIRECTION ANNHOLE & ROUND CATCH BASIN MANHOLE & ROUND CATCH BASIN MANHOLE & ROUND CATCH BASIN	OHW ————————————————————————————————————
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A - M - M - M - M - M - M - M - M - M -	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEMER LINE & MANHOLE SZE MATERIAL & FLOW DIRECTION DEPARTMENT OF THE MANHOLE & FLOW DIRECTION, CATCH BASIN MANHOLE & FLOW DOWN, CATCH BASIN ROOF DRAIN AND DOWNSPOUT PEFFORATED UNDERGRAN FOUNDATION DEPARTMENT UNDERGRAN FOUNDATION DRAIN WATER MAIN AND VALVE	OHW WS FS FS CS OF OHE OF OHE OF OHE
15 V V V V V V V V V V V V V V V V V V V	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEWER LINE & MANHOLE SZE MATERIAL & FLOW DIRECTION DRAINLINE & FLOW DIRECTION AND AND AND AND AND AND AND AND AND AN	OHW ————————————————————————————————————
	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEME LINE & MANHOLE SIZE MATERIAL & FLOW DIRECTION DRAINLINE & MONTO, CATCH BASIN MANHOLE & ROUND CATCH BASIN MANHOLE & ROUND CATCH BASIN FOOF DRAIN AND DOWNSPOUT PERFORATED UNDERGRAIN FOUNDATION DRAIN WATER MAIN AND VALVE FUEL OR CRUDE OIL PROPANE LINE FOUR CRUDE OIL	OHW WS FS FS CS OF OHE OF OHE OF OHE
0 t	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEMER LINE & MANHOLE SIZE MATERIAL & FLOW DIRECTION DRAINLINE WY PIPE SIZE, MATERIAL & FLOW DIRECTION, CATCH BASIN MANHOLE & ROUND CATCH BASIN FOOF DRAIN AND DOWNSPOUT PERFORATED UNDERDRAIN FOUNDATION DRAIN WATER MAIN AND VALVE FUEL OR CRUDE OIL PROPANE LINE GAS LINE AND VALVE	OHW ————————————————————————————————————
0 - € - 0 - €	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TILEPHONE LIMES SENET LINE & MANHOLE SIZE MATERIAL W/ FIPE SIZE MATERIAL MANHOLE & FOUND CATCH BASIN MANHOLE & FOUND CATCH BASIN MANHOLE & FOUND CATCH BASIN MORPHOLE & FOUND CATCH BASIN FOUNDATION DRAIN WATER MAIN AND DAWLYE FUEL OR CRUDE OIL PROPANE LINE GAS LINE AND VALVE BURIED COMMUNICATIONS AND MANHOLE	OHW ————————————————————————————————————
0 t	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAN HOLE & UNDERGROUND TELEPHONE LIMES SEWER UNE & MANHOLE & SIZE MATERIAL & FLOW DIRECTION DEARLINE W/ PIPE SIZE MATERIAL & FLOW DIRECTION DIRECTION, ADDITIONAL DEARLINE & FLOW DIRECTION, ADDITIONAL DEARLINE & FOUNDE DEARLINE & FOUNDETORAN FOUNDATION DRAIN WATER MAIN AND VALVE FUEL OR CRUDE OIL PROPANE LINE GAS LINE AND VALVE BURIED COMMUNICATIONS AND MANHOLE CATCH BASIN	OHW ————————————————————————————————————
0 1 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEMER LINE & MANHOLE SIZE MATERIAL & FLOW DIRECTION TRAINLINE & MANHOLE SIZE MATERIAL & FLOW DIRECTION RANGING & MANHOLE SIZE MATERIAL & FLOW DIRECTION RANGING & MANHOLE SIZE MATERIAL & FLOW DIRECTION RANGING & MANHOLE SIZE MATERIAL & FLOW DIRECTION ROOF DRAIN AND DOWNSPOUT PERFORATED UNDERGRAIN FOUNDATION DRAIN WATER MAIN AND VALVE FUEL OR CRUDE OL PROPANE LINE GAS LINE AND VALVE BURIED COMMUNICATIONS AND MANHOLE CATCH BASIN DOUBLE GRATE CATCH BASIN	OHW ————————————————————————————————————
15 V V V V V V V V V V V V V V V V V V V	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEWER LINE & MANHOLE SZE MATERIAL & FLOW DIRECTION DRAINLINE & MANHOLE SZE MATERIAL & FLOW DIRECTION, CATCH BASIN MANHOLE & ROUND CATCH BASIN MANHOLE & ROUND CATCH BASIN FOUNDATION DRAIN WATER MAIN AND DOWNSPOUT PERFORATED UNDERGRAN FOUNDATION DRAIN WATER MAIN AND VALVE FUEL OR CRUDE OIL PROPANE LINE GAS LINE AND VALVE BURIED COMMUNICATIONS AND MANHOLE CATCH BASIN DOUBLE GRATE CATCH BASIN PULLBOX OR HANDHOLE	OHW ————————————————————————————————————
15	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEMER LINE & MANHOLE SIZE MATERIAL & FLOW DIRECTION DRAINLINE & MANHOLE SIZE MATERIAL & FLOW DIRECTION, CATCH BASIN MANHOLE & ROUND CATCH BASIN MANHOLE & ROUND CATCH BASIN FOUNDATION DRAIN WATER MAIN AND DOWNSPOUT PERFORATED UNDERDRAIN FOUNDATION DRAIN WATER MAIN AND VALVE FUEL OR CRUDE OIL PROPANE LINE GAS LINE AND VALVE BURIED COMMUNICATIONS AND MANHOLE CATCH BASIN DOUBLE GRATE CATCH BASIN PULLBOX OR HANDHOLE TRANSFORMER PAD	OHW ————————————————————————————————————
15 V V V V V V V V V V V V V V V V V V V	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERGROUND TELEPHONE LINES SEMER LINE & MANHOLE SIZE MATERIAL & FLOW DIRECTION PRAINLINE & MANHOLE SIZE MATERIAL & FLOW DIRECTION, CATCH BASIN MANHOLE & ROUND CATCH BASIN MANHOLE & ROUND CATCH BASIN FOUNDATION DRAIN WATER MAIN AND VALVE FUEL OR CRUDE OIL PROPANE LINE GAS LINE AND VALVE BURIED COMMUNICATIONS AND MANHOLE CATCH BASIN DOUBLE GRATE CATCH BASIN PULLBOX OR HANDHOLE TRANSFORMER PAD BOLLARD LIGHT	OHW ————————————————————————————————————
© 1 15 15 15 15 15 15 15 15 15 15 15 15 1	ELECTRIC MANHOLE & UNDERGROUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN MOLE & UNDERGROUND TELEPHONE LIMB IN TELEPHONE MAINOLE & UNDERGROUND TELEPHONE LINES SAMERINE & MANHOLE SIZE MATERIAL & FLOW DRECTION DRAMLINE W/ PIPE SIZE MATERIAL & FLOW DRECTON, ACTION BASIN MANHOLE & ROUND CATCH BASIN MOLE & ROUND CATCH BASIN POOF DRAIN AND DOWNSPOUT PERFORATED UNDERGRAIN FOUNDATION DRAIN WATER MAIN AND VALVE FUEL OR CRUDE OIL PROPANE LINE GAS LINE AND VALVE BURIED COMMUNICATIONS AND MANHOLE CATCH BASIN DOUBLE GRATE CATCH BASIN PULBOX OR HANDHOLE TRANSFORMER PAD BOLLARD LIGHT UTILITY POLE WITH GUY & DESTINATION	OHW
	ELECTRIC MANHOLE & UNDERSOUND ELECTRIC LINES WATER SERVICE FIRE SERVICE FORCE MAIN TELEPHONE MANHOLE & UNDERSOUND TELEPHONE LINES STEEN LINES STEEN LINES STEEN LINES STEEN LINES STEEN LINES STEEN LINES WE FILE & MANHOLE & MANHOLE STEEN LINES LINES LINES AND DIRECTION TO THE MANHOLE & FOUND CATCH BASIN ROOF DRAIN AND DOWNSPOUT PERFORATED UNDERGRAN FOUNDATION DRAIN WATER MAIN AND VALVE FUEL OR CRUDE OIL PROPANE LINE GAS LINE AND VALVE BURIED COMMUNICATIONS AND MANHOLE CATCH BASIN DOUBLE GRATE CATCH BASIN PULIBON OR HANDHOLE TRANSFORMER PAD BOLLARD LIGHT UTILITY POLE WITH GUY & DESTINATION STREET LIGHT OR SITE LIGHT / POLE	OHW OHW OHW OHW OHW OHW OHW OHW
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. •	STONE OR CONCRETE BOUND (FOUND OR SET)	
Δ	TRAVERSE STAKE, PK NAIL, CUT SPIKE OR RAILROAD	Δ
	SPIKE (FOUND OR SET)	
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I I I I	MEDIAN BARRIER (CONCRETE)	
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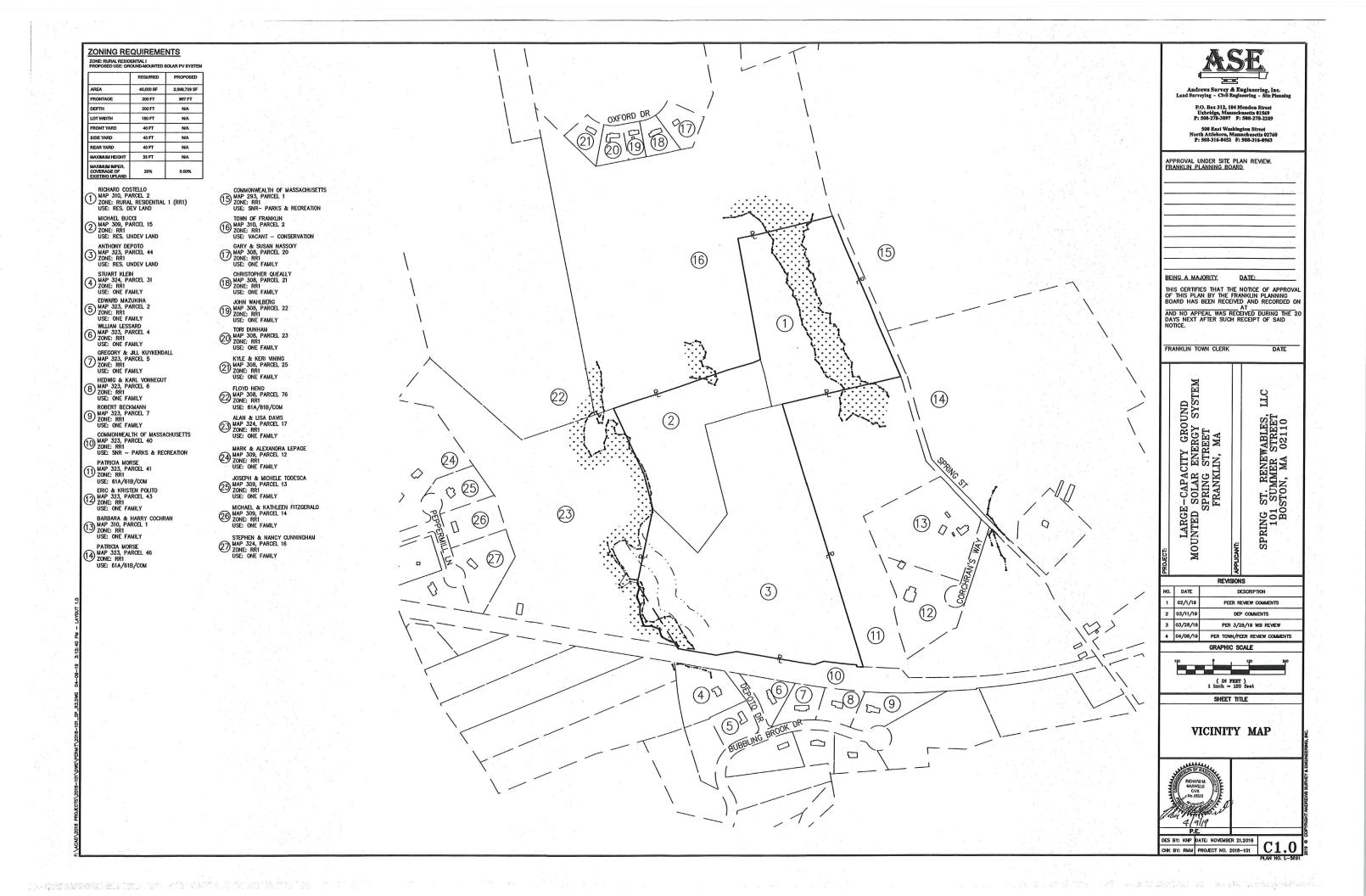
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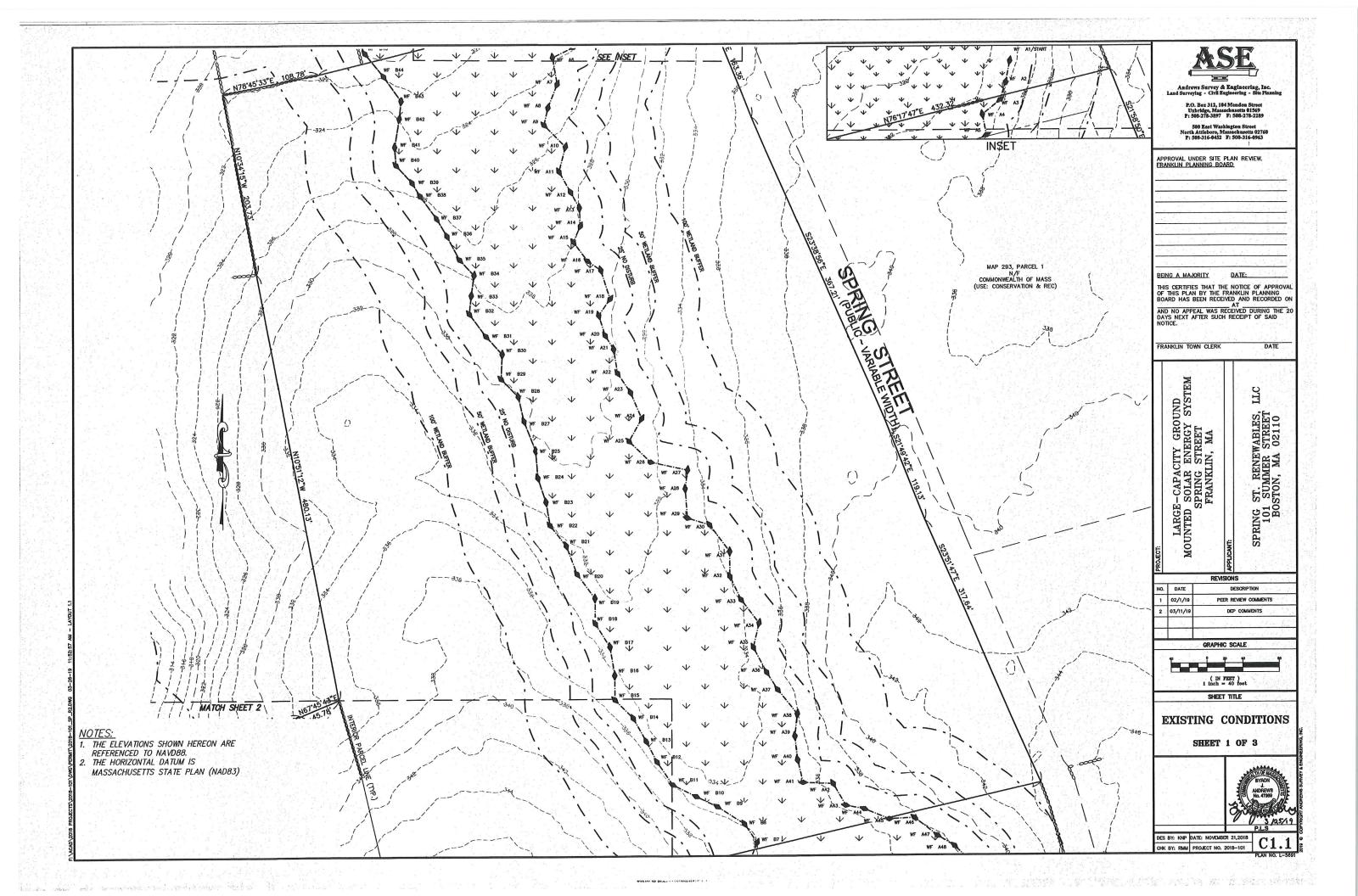
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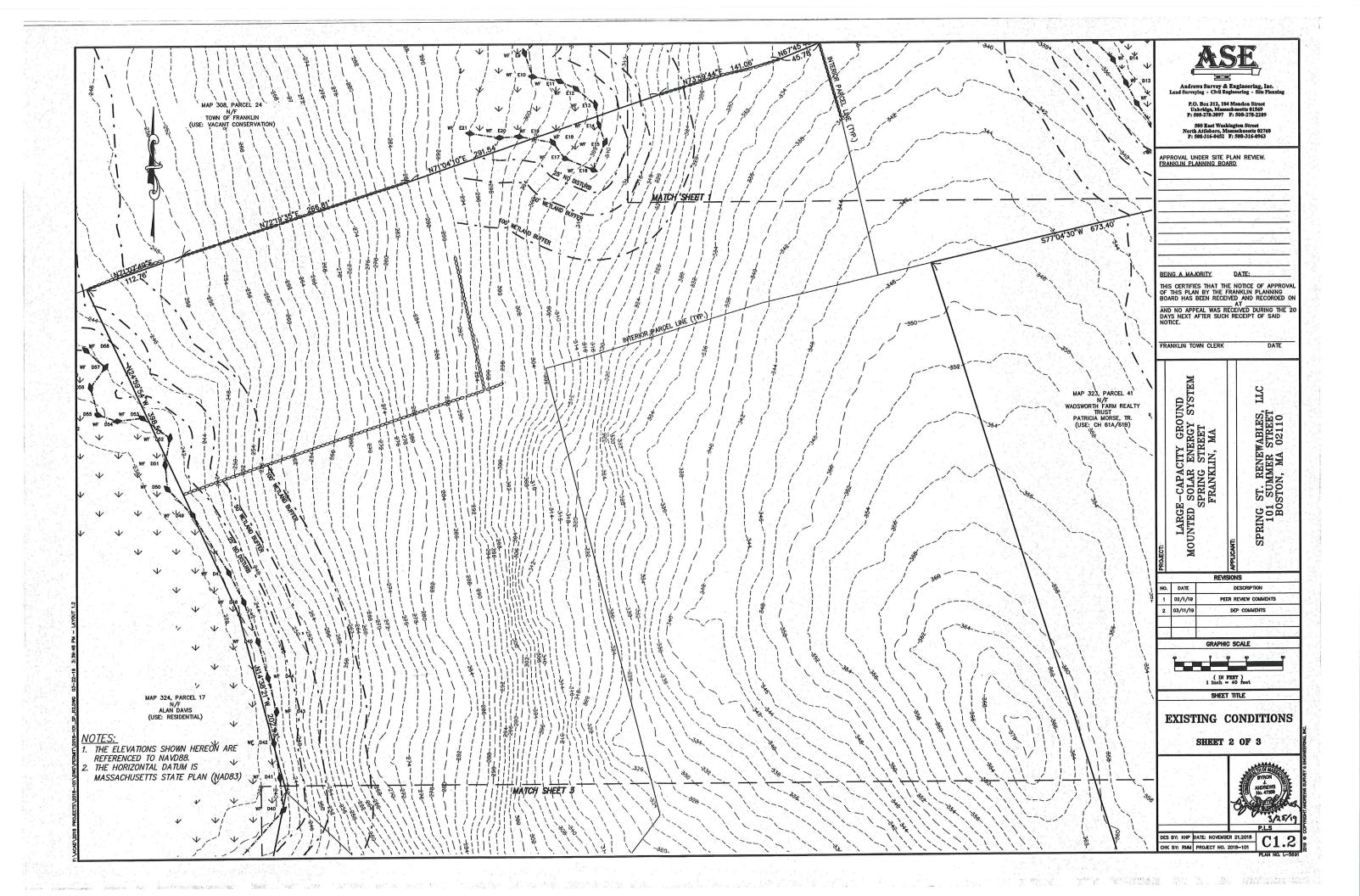
LEGEND,
ABBREVIATIONS &
GENERAL NOTES

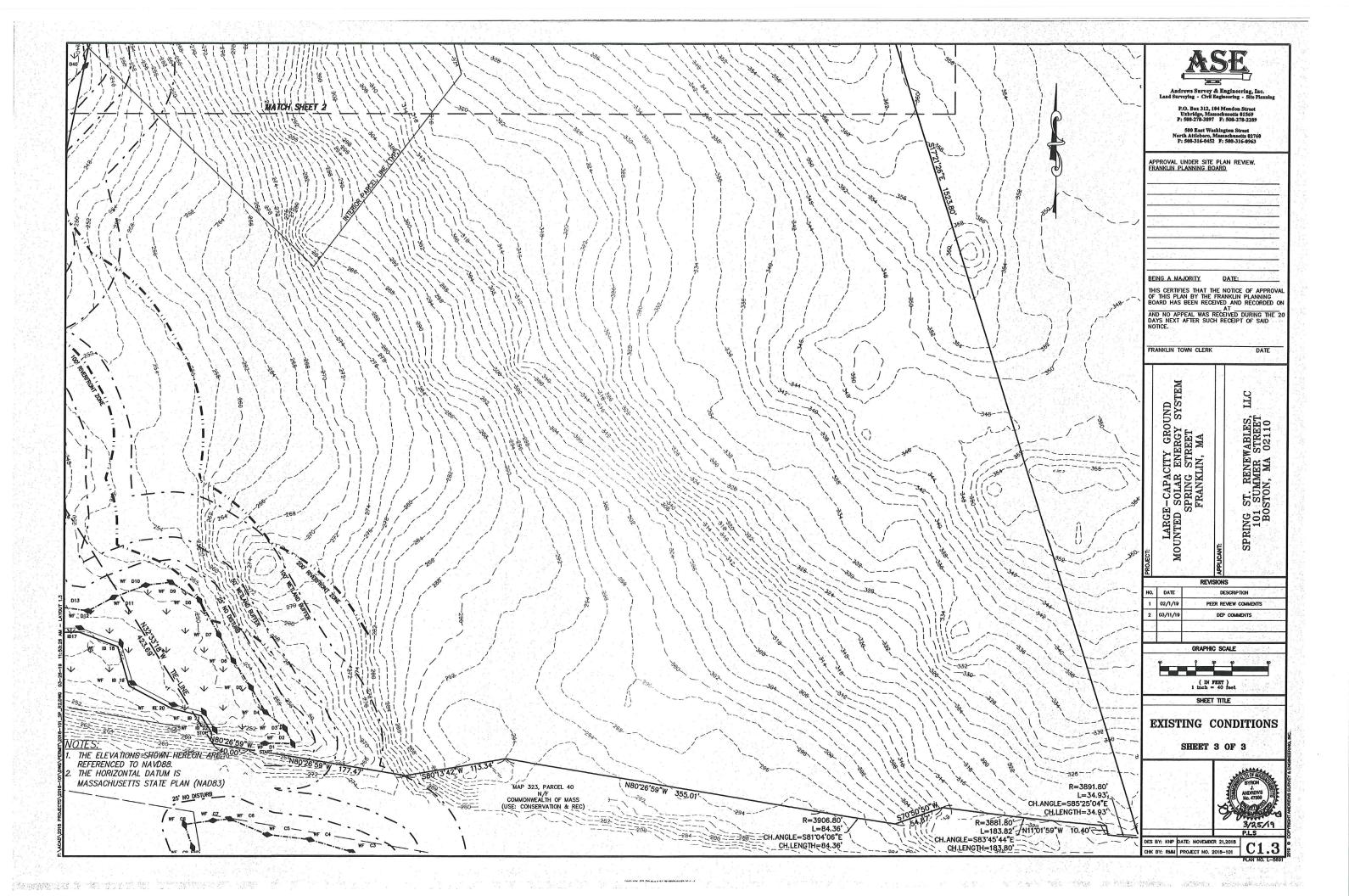


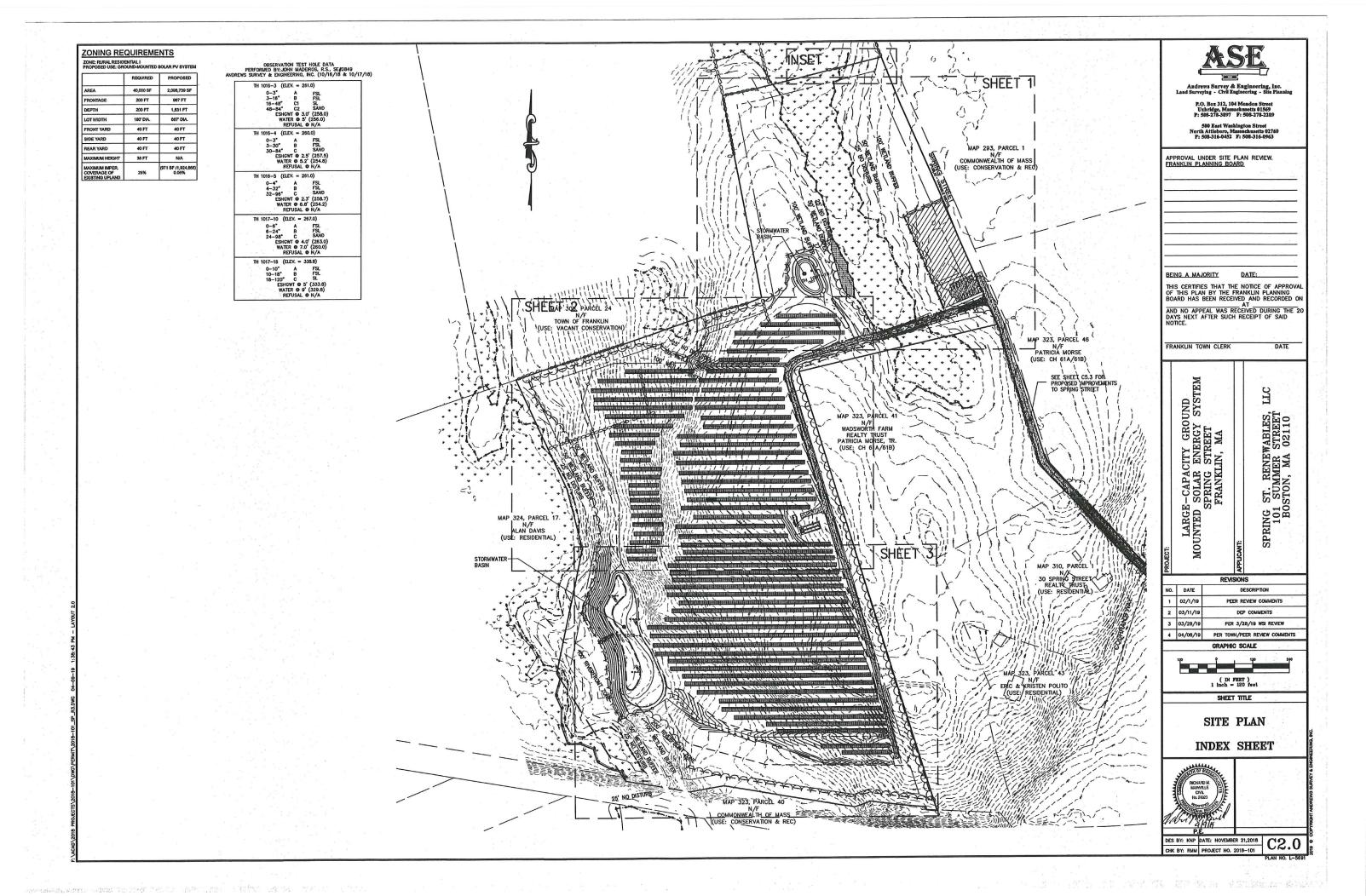
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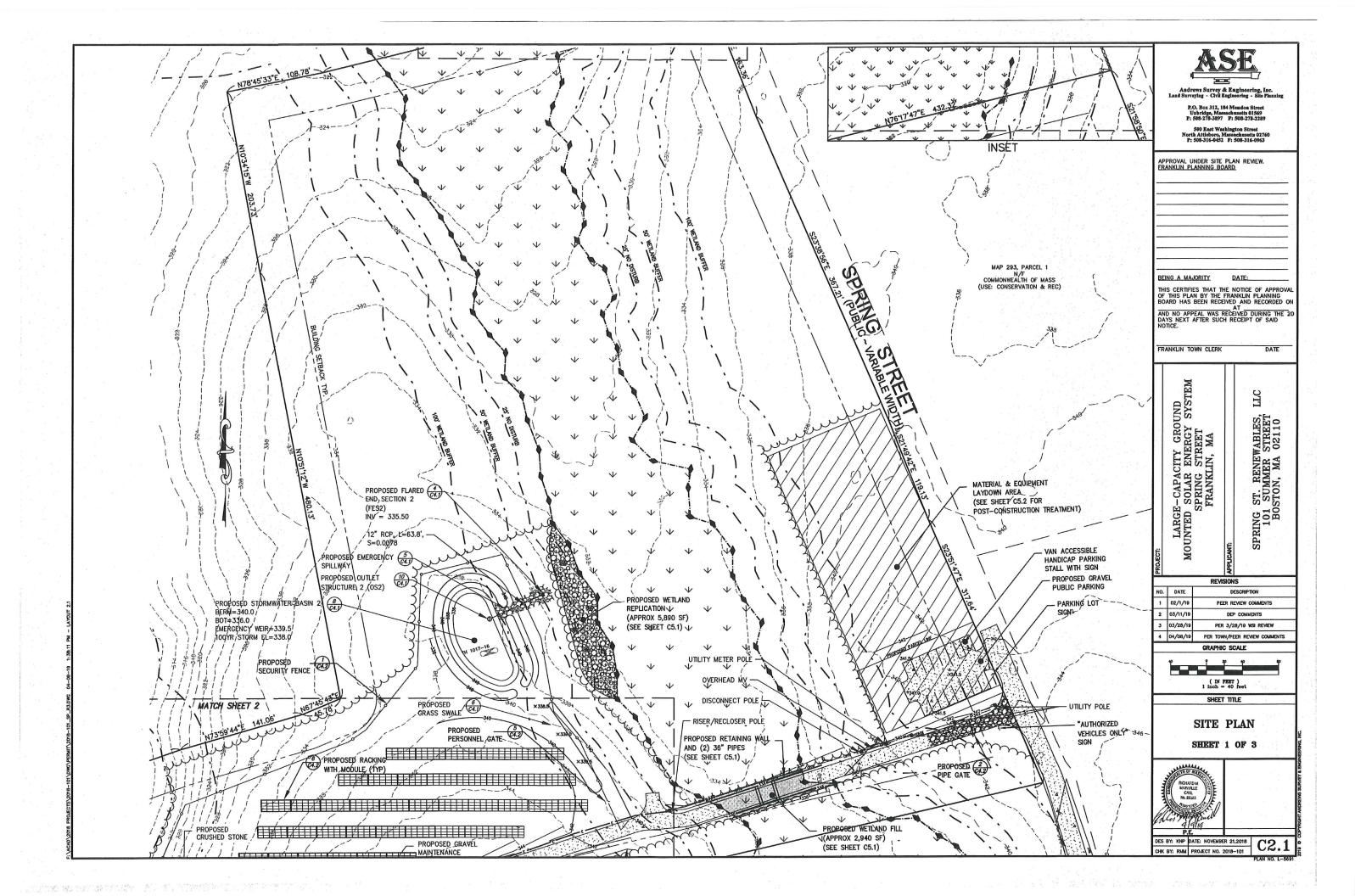


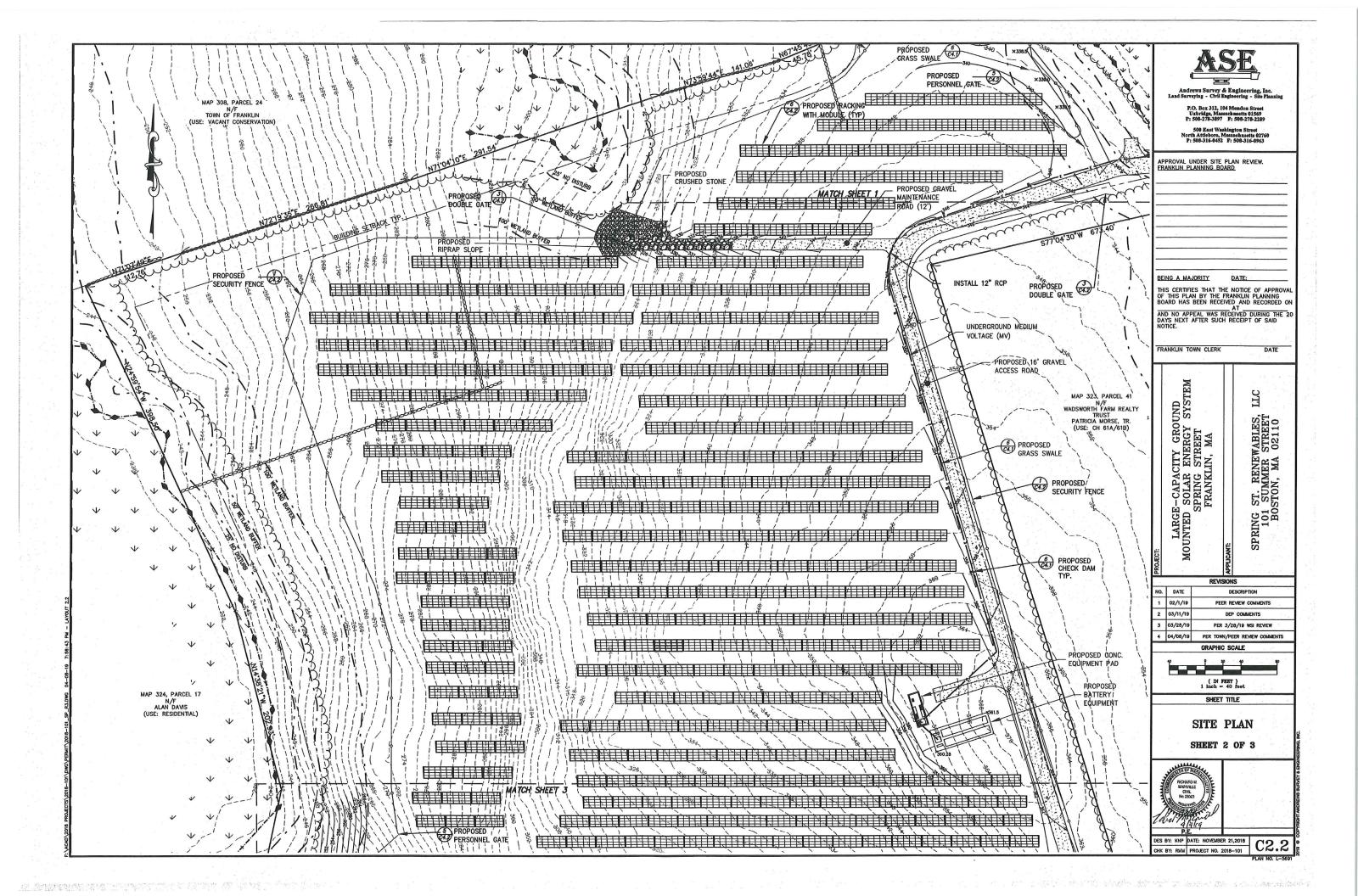


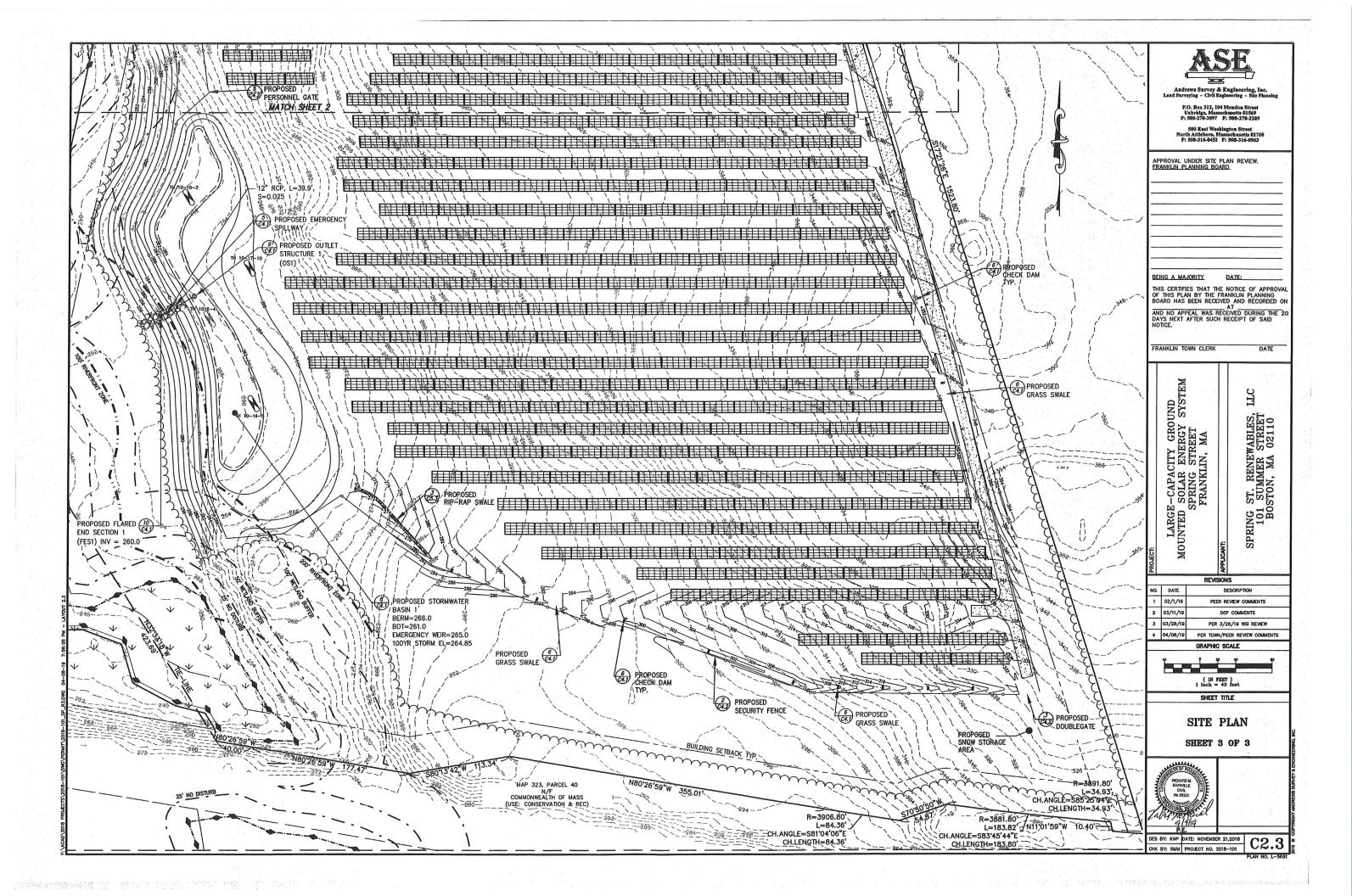


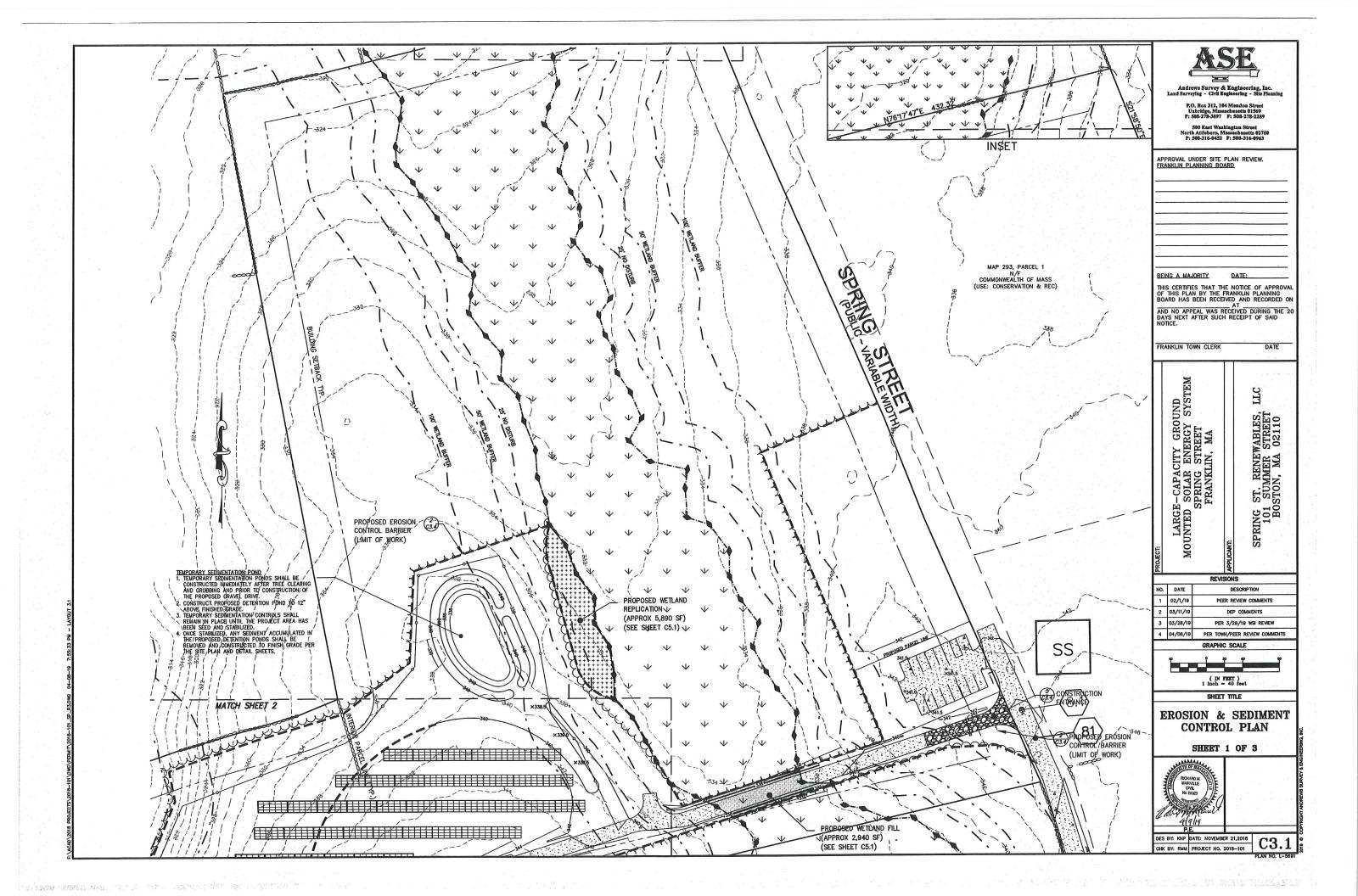


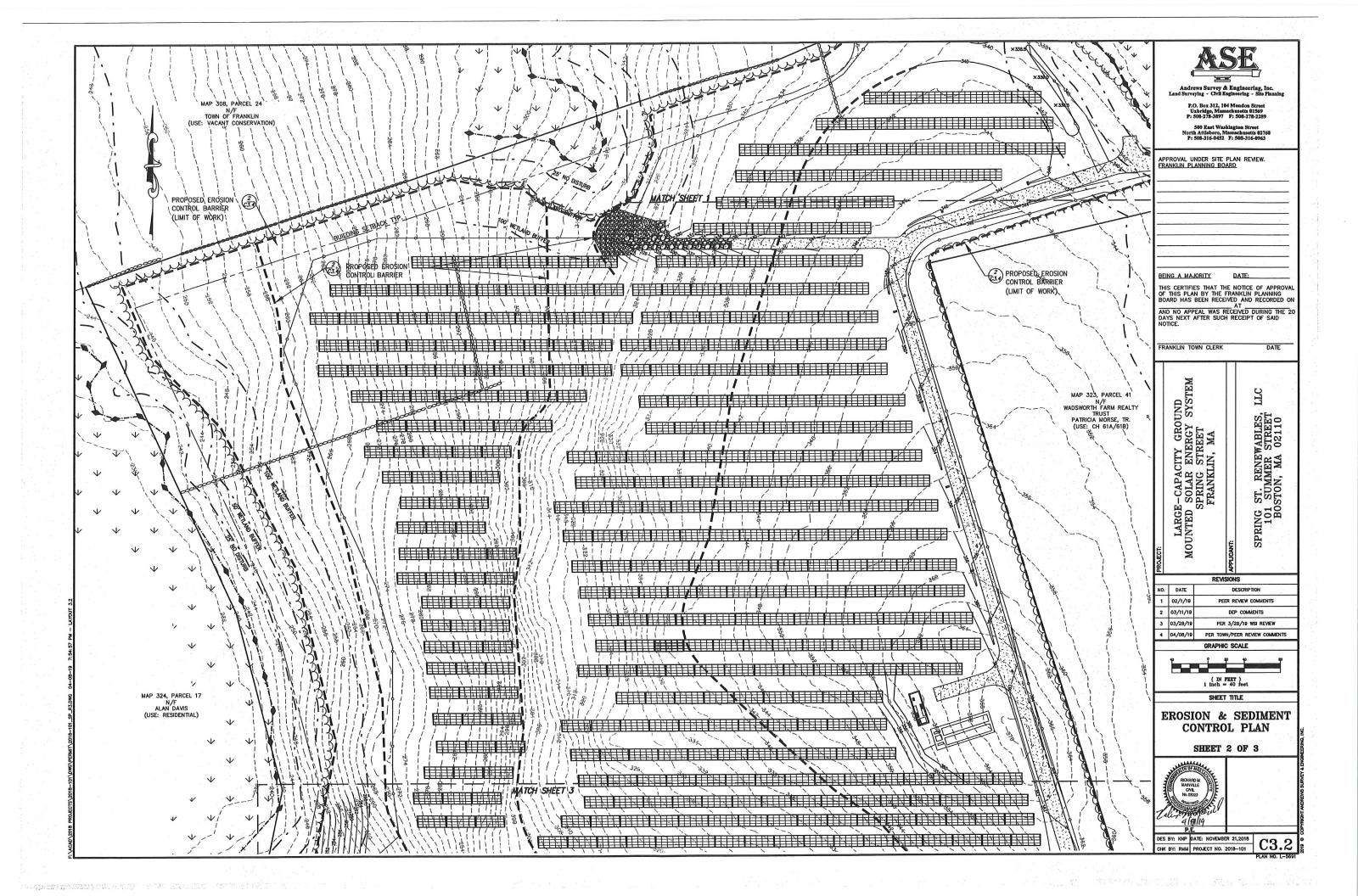


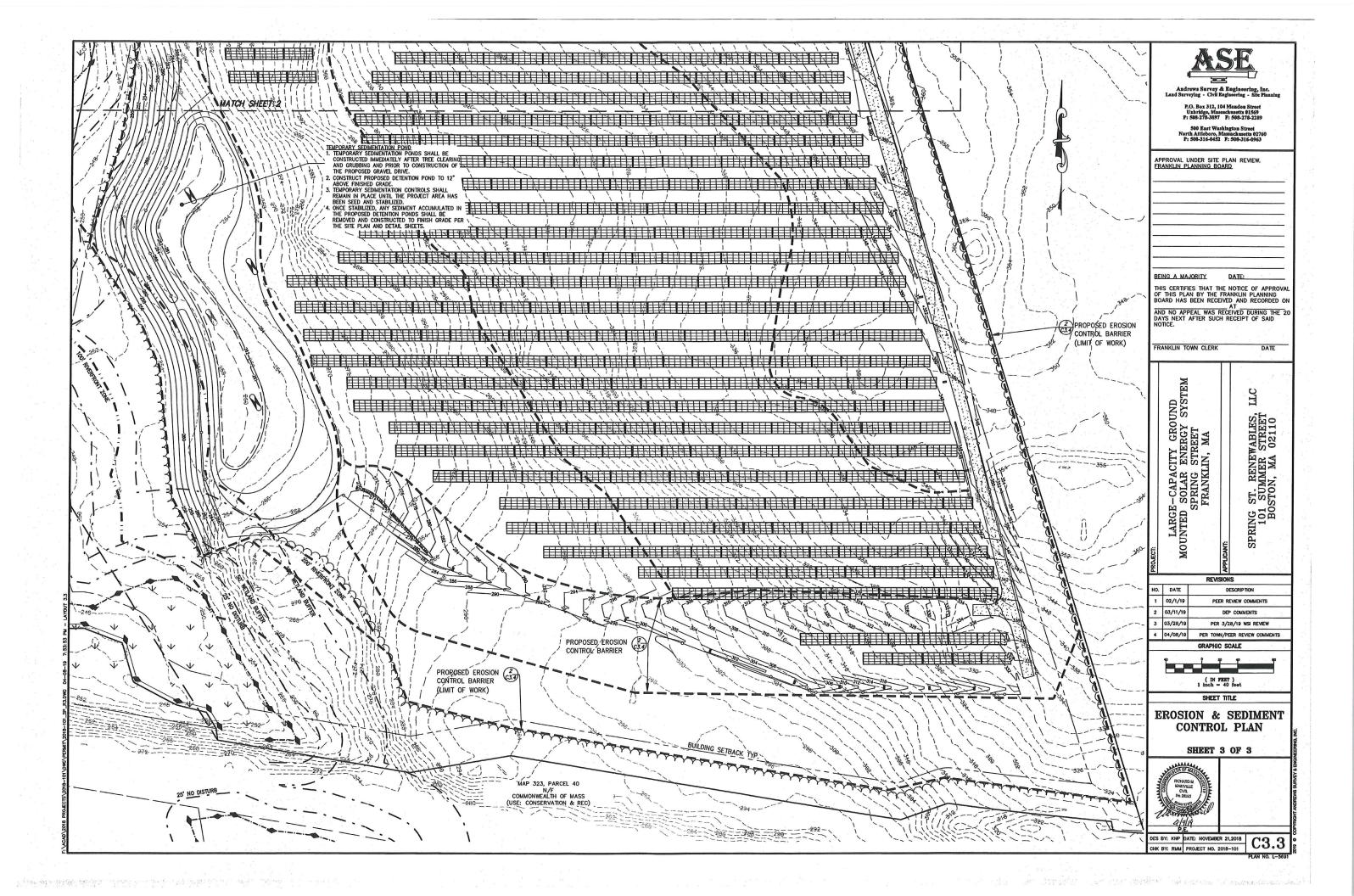












EROSION AND SEDIMENT CONTROL REQUIREMENTS

A. FURNISH, INSTALL AND MAINTAIN TEMPORARY AND PERMANENT ENGINE AND SEDMENT CONTROL MEASURES, SUCH AS, BUT NOT NECESSARILY LIMITED TO, STRAW BULE AND SET, FINCE BARREERS, RIPRAP, VENCILE TRACKING PAIDS, DOKENSON CHANNELS, AND BEEDS AND SEDMENT STOCKPILES, SEDMENT BASINS, MULCH, AND SEED MAX (MEEDILATE FOORTHOO, MEASUREST) ADEQUATE TO PREVENT THE CONNEYANCE OF BROSON PRODUCTS (CL. SQL. MULCH, SQL) OF SITO, OF NITO AND SEED WAX (MEEDILATE FOOR NITO MAINTAINEST) ADEQUATE AREAS, OF SITO AND SEED MAX (MEEDILATE FOOR NITO DEVINOAMENTALLY SOSTITUTE AREAS, OF SITO AND SEED MAY CONTROL AND SEED MAY STREAMS / RIVERS, AND THEIR ATTENDANT BUFFER ZONES.

ALL METHODS AND MATERIALS USED FOR EROSION CONTROL.

SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN "EROSION
AND SEDMENT CONTROL, CIDILENES FOR WEARN AND SUBJURBAN
AREAS A QUIDE FOR PLANNERS, DESIGNERS, AND MANOPAL
AREAS A QUIDE FOR PLANNERS, DESIGNERS, AND MANOPAL
OFFICIALS* AS PRUISURED BY THE MASSACHUSETTS DEPARTMENT
OF DIVINGNMENTAL PROTECTION, BURGAL OF RESOURCE
PROTECTION, UNLESS OTHERWISE APPROVED IN WORTEN.

1). REFER TO DRAWINGS FOR LOCATION AND DETAILS OF LIMITS OF DISTURBANCE AND CONTROL MEASURES REQUIRED TO COMMENCE UNSERVINE STATE OF DISTURBANCE SHALL BE MARKED WITH TAKE, SIGHS, OR ORANGE CONSTRUCTION FEINE PROOF TO COMBINION AND LAW LAW DESTRUMBANCE ACTIVITIES. CONTROL MEASURES WILL BE ADEQUATE ONLY FOR YECCTATION OF DESTRUMBENCY AND LAW CONTROL OF THE REPORT OF THE REQUIRED AND PERFORMANCE CONTROL OF THE REPORT OF THE REQUIRED TO MEET THE

DEVISE AND EMPLOY CONTROL MEASURES THROUGHOUT THE DURATION OF PROJECT, OVER ALL AREAS DISTURBED OR UNDISTURBED BY CONSTRUCTION, AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A.

4. DEVISE, EMPLOY AND MAINTAIN CONTROL MEASURES UNTIL SUCH TIME AS THE ENTIRE SITE IS PERMANENTLY STABILIZED BY ESTABLISHED VEGETATION, FINISH LANDSCAPE MATERIALS, PAVED SURFACES, AND/OR ROOF AREA.

ONCE THE SITE IS PERMANENTLY STABILIZED AND CERTIFIED AS SUCH BY ENGINEER, REMOVE TEMPORARY CONTROL MEASURES WHILE PROTECTING STABILIZED SURFACES.

1.02 SUBMITTALS

A. SUBMIT PRODUCT DATA, WARRANTY, AND TEST REPORTS AS INDICATED ON THE DRAWINGS.

B. SUBMIT SKETCH SHOWING LOCATIONS OF PROPOSED STOCKPILE AREAS, CONSTRUCTION ENTRANCES AND EROSION CONTROLS IF NOT SHOWN ON THE SITE PLAN OR DIFFERENT FROM THOSE LOCATIONS SHOWN ON THE SITE PLAN.

C. A SITE SPECIFIC SEQUENCE OF CONSTRUCTION FOR EACH PORTION OF THE SITE. NO PORTION OF THE SITE SHALL EXCEED FIVE (5) ACRES.

1.03 QUALITY ASSURANCE

A. COMPLY WITH GOVERNING CODES AND REGULATIONS.

PROVIDE PRODUCTS FROM ACCEPTABLE MANUFACTURERS. USE
EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE
MATERIALS IN ACCORDANCE WITH MANUFACTURER'S

B. CONFORM TO CONDITIONS OF APPROVAL ISSUED BY REGULATORY AGENCIES INCLUDING, BUT NOT NECESSARLY UNITED TO, LOCAL PLANINGS BOADD, CONSENSOR, CONTROL PROPERTY OF THE APPROVAL DEPOSIT FROM RECURSIONS OF REGULATORY APPROVAL DEPOSIT FROM RECURSIBENTS CONTRIBED HERBIT ON THE DRAWNICS, COMPLLY WITH THE MORE STRINGENT

PART 2 - PRODUCTS

A DOUBLE ROW 12" COMPOST BIODEGRADABLE FILTERMITT: EACH FILTERMITT ROW SHALL BE STAKED WITH A MINIMUM OF 1"x1"x35" LONG HARDWOOD STAKES, PLACED AT 4" O.C (SEE

B. MULCH: ORGANICS INCLUDING STRAW, PROCESSED PINE / HEMLOCK TWIGS AND NEEDLES.

D. EXCELSIOR BLANKET: CURLED WOOD FIBER ON PHOTIDEGRADABLE EXTRUDED PLASTIC BLATRIX, 80% OF FIBERS 6-BICHES LONG OR LONGER, MOSITO 0.757 POUNDS / SY, CONTANNS NO G-EBACAL ADDITIVES. USE CURLEY I BLANKET BY AMERICAL EXCELSIOR COMPANY, OR A PAPPOLD EQUAL. E. ROCK RIPRAP: SOUND, ANGULAR, 6-INCH MINUS PROCESSED ROCK, BLAST ROCK, OR TAILINGS.

. CRUSHED STONE: SOUND, ANGULAR, 2—INCH MINUS ROCESSED CRUSHED STONE.

PART 3 - EXECUTION

3 OF THEORIGINAL CONSTRUCTION

A. DEVISE WORK SEQUENCE SO AS TO LIMIT DRAMAGE AREA THAT IS TRIBUTIARY TO DISTURBED AREAS, DEVISE, EUROY, AND MANTAIN CONTROL MEASURES SOUCH AS DIVERSION CHAINMEST AND BETAILS, STRATEGICALLY LOCATED STOCKPIES, AND ESDEMBIT BASISS TO SUBDIVED CHAINAGE AREAS INTO SMALL, MANUGEABLE SUBJAPIEAS, THEREBY MINIMEZING RUNGEF AND THE POTENTIAL FOR EPOSICIA.

B, MAINTAIN BARRIER AT LIMIT OF WORK AND PROTECT EXISTING VEGETATION / FACILITIES OUTSIDE OF LIMIT OF WORK.

C. MAINTAIN SPARE MATERIAL STOCKPILES FOR IMMEDIATE EUPLOYMENT / REPAIR / EUPANSON OF CONTROL MEASURES. AT A MEMBUA, SUCH MATERIALS SHALL NICLUSE HAY BALES, SILT FENCE AND STAKES, AND CRUSHED STONE.

D. INSPECT AND MAINTAIN EFFECTIVENESS OF CONTROL MEASURES BY REPAIRING AS NECESSARY TO BASINE INTENDED FUNCTION BY SUPPLEMENTING AS NECESSARY FOR ADEQUATE EXTENT; BY REMOVING TRAPPED PRODUCTS OF EROSION AS NECESSARY TO MAINTAIN FEFECTIVE TRAP VOLUME.

PART 3 — CONTINUED

G. WHEN INTENSE RAINFALL IS EXPECTED, CONSIDER, DEMSE, AND
BIFLOY REINFORCING CONTINOL MEASURES PRIOR TO THE RAINFALL
EVENT TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A. F. INCESS.
BIFLOY TEMPORATY CONTION, MEASURES ON HATERIAL STOCKPILES
CONTINEACT FOTENTIAL SEDMENT TRANSPORT DURING INTENSE
RAINFALL.

J. SWEP ON-SITE PAYED AREAS AND OFF-SITE STREETS AS RECESSARY TO PREVENT SLT AND DERRIS ORGANINIS ON SITE FROM ENTERING CLOSED DRAMANGE STSTEIDS AND / OR ENHINONMENTALLY SHISTINE AREAS. WHEN NECESSARY UTILIZE WATER SPRAYING, SURFACE ROUGHENING AND/OR APPLY POLYMERS, SPRAY—ON TACKFIERS, CILIDROES AND BARRIERS FOR DUST CONTROL.

K. INSPECT EROSION CONTROLS DAILY THROUGHOUT CONSTRUCTION REPAIR DAMAGED CONTROLS IMMEDIATELY.

A. WALK SITE AND IDENTIFY LOCATIONS OF LIMIT OF WORK AND DIMPRONNENTALLY SENSITIVE AREAS, ESTABLISH CONSTRUCTION STAGING AREA, LOCATED BEYOND ENVIRONMENTALLY SENSITIVE AREAS.

B. INSTALL CONTROL MEASURES AS SHOWN ON THE DRAWNGS, INCLUDING THOSE DEFINING THE LIMIT OF WORK.

A. SCHEDULE GRUBBING AND STRIPPING TO OCCUR IMMEDIATELY PRIOR TO EARTH DISTURBANCE. DEPENDING ON SITE AREA, CONSIDER MULTIPLE GRUBBING PHASES, SEQUENCED TO TAKE ADVANTAGE OF THE EROSION PREVENTION POTENTIAL OF EXISTING VECTATIVE COVER.

C. LOCATE AND SIZE STOCKPILES TO MINIMIZE EROSION POTEN TAKING ADVANTAGE OF TERRAIN SLOPE AND ASPECT, WHERE APPROPRIATE.

D. PROTECT VEGETATION, INCLUDING ROOT SYSTEMS, BEYOND LIMIT OF CLEARING.

E. PROCESS TIMBER, STUMPS, SLASH, AND BRUSH SO AS TO PROTECT ENVIRONMENTALLY SENSITIVE AREAS AND INSTALLED CONTROL MEASURES. PROPERLY DISPOSE OF EXCESS OFF SITE BURIAL OF STUMPS ON SITE IS PROHEBITED.

3,04 EXCAVATION FOR BUILDING FOUNDATIONS AND UTILITIES

A. DEVISE AND INSTALL CONTROL MEASURES ADEQUATE TO HANDLE DISCHARGES AND TRAP SEDMENT FROM FOOTING SUMP AND WELL POINT PUMPS PRIOR TO EXCAVATION.

B. ARMOR SUMP PUMP DISCHARGE LOCATIONS TO PREVENT EROSION AT POINT OF DISCHARGE AND AREAS DOWNSTREAM. C. IF FOUNDATION EXCAVATIONS GRADE TO DAYLIGHT ON THE LOW SIDE, DEMSE AND INSTALL CONTROL MEASURES TO HANDLE SURFACE AND GROUNDWATER FLOW FROM EXCAVATION LOW POINT.

D. STOCKPILE EXCAVATED MATERIALS TO BAFFLE OVERLAND RUNOFF, AVOIDING THE CREATION OF LENGTHY PATHS OF CONCENTRATED RUNOFF. STOCKPILE SLOPES SHALL NOT EXCEED 2:1.

3.05 SITE GRADING

A. WHERE APPLICABLE, FOLLOW EXCAVATION AND FILL PRACTICES SHOWN ON DRAWINGS TO LOCALIZE AND MINIMIZE EROSION.

B. MONITOR SEDMENT VOLUME IN TEMPORARY SEDMENT BASINS AND AT DIVERSION BETMIS AND GIECK DAJAS, BY ALL AREAS EXCEPT THOSE THAT DO NOT PRESENT POTENTIAL PROBEIDS WITH REGARD TO FUTURE SOIL STABILITY, DRAWAGE, OR BEARNIN CAPACITY, REMOVE AND PROPERLY DISPOSE OF TRAPPED SEDMENT BEFORE EMPRISON SET TO FRANCE.

D. SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED IMMEDIATELY AFTER COMPLETION.

A. COMPLETE LANDSCAPING AS SOON AS POSSIBLE AFTER COMPLETION OF FINAL SUBGRADE.

B. IMMEDIATELY AFTER PLACEMENT OF TOPSOIL, STABILIZE WITH CONTROL MEASURES INCLUDING, BUT NOT NECESSARILY LIMITED TO, SEED MIX, MULCH, AND / OR BLANKET.

C. PERMANENT SEEDING MAY BE PERFORMED IN THE SPRING PRIOR TO JULY 1 AND IN BETWEEN AUGUST 1 AND OCTOBER 15. PERMANENT SEEDING AT OTHER TIMES SHALL BE APPROVED AND SHALL ONLY BE ALLOWED WITH AN APPROVED MULCHING AND IRRIGATION PROCRAM.

GENERAL SEQUENCE OF CONSTRUCTION

HE INTENDED CONCEPTUAL SEQUENCE OF CONSTRUCTION ACTIVITIES FOR SPRING STREET RENEWABLES, LIC ARE AS FOLLOWS. IT IS ANTICIPATED HIAT A SUMMER OF 2019 START TO THIS SEQUENCE WOULD OCCUR, AND THAT THE SEQUENCE WOULD REQUIRE SIX MONTHS TO COMPLETE.

C. STAKE SILTATION FENCE AND/OR HAYBALE LINES THAT SHALL ALSO SERVE AS THE LIMIT OF ACTIVITY FOR WORK CREINS. ALSO, INSTALL THE EROSION AND SEDIMENTATION CONTROL MEASURES AROUND PROPOSED AREAS OF DISTURBANCE AND MANTAIN TROUGHOUT CONSTRUCTION ACCORDANCE WITH THE ORDER OF CONGITIONS

D. COORDINATE ONSITE PRE-CONSTRUCTION MEETING WITH THE SITE CONTRACTOR. THE APPLICANT, THE APPLICANT'S ENGINEER, THE FRANKLIN CONSERVATION COMMISSION AGAIN AND ANY OTHER METRESTED CITY OFFICIALS TO REVIEW THE SEDMENTATION AND ENGINE CONTROL MEASURES PROFE TO ANY TIESE CLEANING IN THE MODULE AREA.

CARSINULI A TEMPORARY CRAYAL CONSTRUCTION DITTRANCE/EXIT PAD AT THE END OF THE DISTRIC GRAYAL DRIVE AT SPRING STREET PEROR TO CLEARING AND GRUBBING FOR SPRING STREET EXTRIBISION. IN ADDITION, INSTALL THE APPROVED HEALIND CROSSING PER THE ORDER OF CONDITIONS PRIOR TO ACCESS INTO THE SITE WITH ANY CONSTRUCTION FOLIPMENT.

F. LIMITED SITE PREPARATION IN THE AREAS OF THE PROPOSE SPRING STREET EXTENSION IMPROVEMENTS, THE GRAVEL ACCESS BRING WITHIN THE SITE AND UP TO THE PROPOSED SOLAR ARRAY AND THE DETENTION BASINS SHALL INCLUDE CLEARING, GRUENION AND REMOVAL OF EXISTING TREES, VEGETATION, AND DEERS.

C. LIMITED ROUGH GRADING AND STABILIZATION IN AREAS WHERE CONSTRUCTION ACCESS IS RESTRICTED DUE TO EXISTING CONDITIONS.

H CLEAR AND ESTABLISH LAYDOWN AREAS FOR CONSTRUC

J. ON THE EXTERIOR FACE OF THE DETENTION BASINS, FOR AREAS OF SLOPE WITHOUT SWALE, VECTATION SHALL CONSIST OF 3-1 MAX SLOPE TO BE SEEDED. IN THE EVENT THAT THE SEEDING FALLS OUTSIDE OF THE RECOMBINED SEEDING SALTS, THE EXTERIOR SLOPES OF THE PONDS SHALL BE STABILIZED.

SITE PREPARATION SHALL INCLUDE CLEARING, GRUBBING AN REMOVAL OF EXISTING VEGETATION AND DEBRIS, ALL TREES STUMPS, BRUSH, SHRUBS, ROOTS, GRASS, WEEDS, RUBBISH AND OTHER OBJECTIONABLE MATERIAL, SHALL BE REMOVED AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF FROM THE PROJECT RATE, GRUBSHOW OF STUMPS SHALL HOT OCCUR IN THE NO-GRUB STUMPS SHALL HOT OCCUR IN THE NO-GRUB STUMP SHOWN ON THE PLANS), AREAS OUTSIDE OF THE LIMITS OF WORK SHALL BE PROTECTED FROM DAMAGE AND NO EXCUPPIENT OF MATERIALS PLANDES, TREES, LIMITS, OR BRUSH SHADE BURGED IN ANY FILLS OR ELBARMACHITS.

CONSTRUCT GRAVEL ACCESS ROAD FROM THE END OF THE EDISTING GRAVEL SPRING STREET ROAD UP TO THE PERMITER OF THE PROPOSED SOLAR ARRAY, AS SHOWN OTHE PLANS.

RECEIVE AND STAGE MATERIALS. RELOCATE COMPONENTS (E.G., CONDUIT, WIRING AND FRAME) TO SOLAR DEVELOPM AREA AS THEY ARE REQUIRED.

P. INSTALL PHOTOVOLTAIC (PV) FRAMING POSTS (TYPICALLY SCREWS), MODULE RACKING, TRENCHING, AND INSTALLING UNDERGROUND CONDUIT AND CABLE.

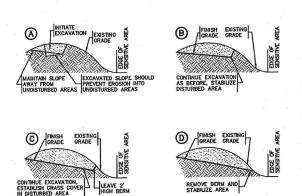
ALL DISTURBED AREAS WITHIN THE SOLAR ARRAY AREA SHALL BE RE-ESTABLISHED WITH TOPSOL AND LOAM WITH MEADOW OR POLINATOR SEED MY, AS SHOWN ON THE PLANS. IN THE EVENT THAT THE SEEDING FALLS OUTSIDE OF HE RECOMBIDED SEEDING DATES, DISTURBED AREAS SHALL BE RE-ESTABLISHED USING ALTERNATIVES WITHOOS AS APPROVED BY THE PROCECT SITE DIGNIEDER.

S. RUN ABOVE CROUND ELECTRICAL CONDUIT TO PV FRAMES AND INSTALL PANEL WIRING.

U. CONSTRUCT ALL 7-FOOT-HIGH CHAIN LINK FENCE AND GATES, AS SHOWN ON THE PLANS

V. INSTALL UTILITY OVERHEAD POLES (SHOWN ON PLANS) AT INTERCONNECTION POINT. INSTALL OVERHEAD WIRING.

Y, REMOVE AND PROPERLY DISPOSE OF THE PERIMETER EROSI AND SEDIMENTATION CONTROLS.



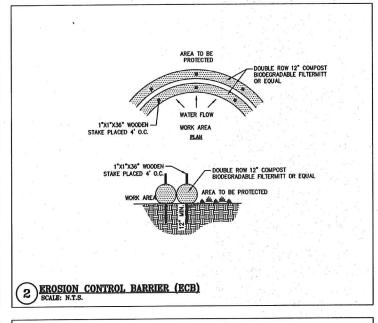
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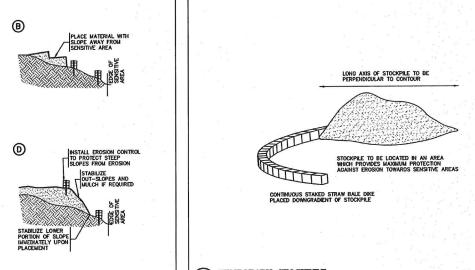
1 EXCAVATION PROCEDURE SCALE: N.T.S.

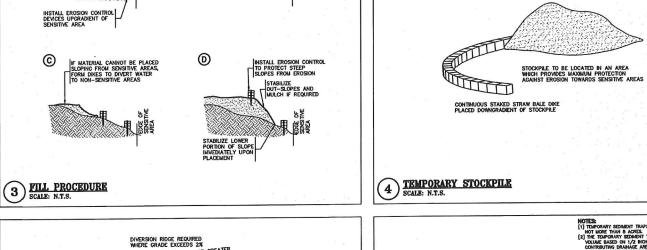
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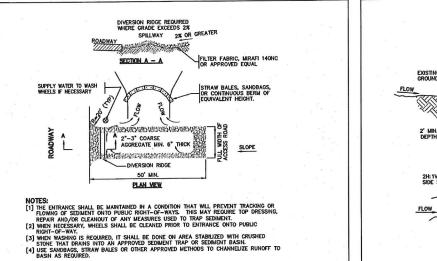
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5 CONSTRUCTION ENTRANCE SCALE: N.T.S.









NOTES:

(1) TIDEORARY SEABOIT TRUPS SHALL HAVE A DIVANCE AREA OF NOT MORE THAN 5 ACRES.

THAN SHALL SHALL HAVE A MIRRARA (1) CHARLES ON 1/2 MICH OF STORAGE FOR EACH ACRE OF CONTRESHING DRAMAGE AREA OF ASSO CASE FEET OF VOLKE FOR EACH ACRE OF DRAMAGE AREA.

SPALIAN OPPH SHALL BE A MIRRARA (1) SELON DESIGNED, SETTLD TO OF DIRENGED, TREEDINGS SHALL BE A MIRRARA OF ASS FOR THE SHALL SH ATION TO BE FIELD DETERMINED BASED ON CONSTRUCTION 6' MIN. LENGTH -2H: 1V MAX. SIDE SLOPES FLOW FLOW 6 TEMPORARY SEDIMENT TRAP SCALE: N.T.S.



Andrews Survey & Engineering, Inc. Surveying - Civil Engineering - Site Planning

500 East Washington Street North Attleboro, Massachusetts 02760 P: 508-316-0452 F: 508-316-0963

APPROVAL UNDER SITE FRANKLIN PLANNING B		
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	1,21	
BEING A MAJORITY	DATE:	
THIS CERTIFIES THAT TO THIS PLAN BY THE BOARD HAS BEEN REC	FRANKLIN PLAN	INING .
AND NO APPEAL WAS DAYS NEXT AFTER SU NOTICE.		

FRANKLIN TOWN CLERK DATE

E UND E-CAPACITY GROUD SOLAR ENERGY SEPRING STREET FRANKLIN, MA SPRING ST. RENEWABI 101 SUMMER STR BOSTON, MA 021 LARGE-MOUNTED S

REVISIONS DATE DESCRIPTION 02/1/19 PEER REVIEW COMMENTS 2 03/11/19 DEP COMMENTS 3 03/28/19 PER 3/28/19 WSI REVIEW GRAPHIC SCALE

SHEET TITLE

EROSION & SEDIMENT CONTROL NOTES & DETAILS



DES BY: KNP DATE: NOVEMBER 21,2018 CHK BY: RMM PROJECT NO. 2018-101

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