

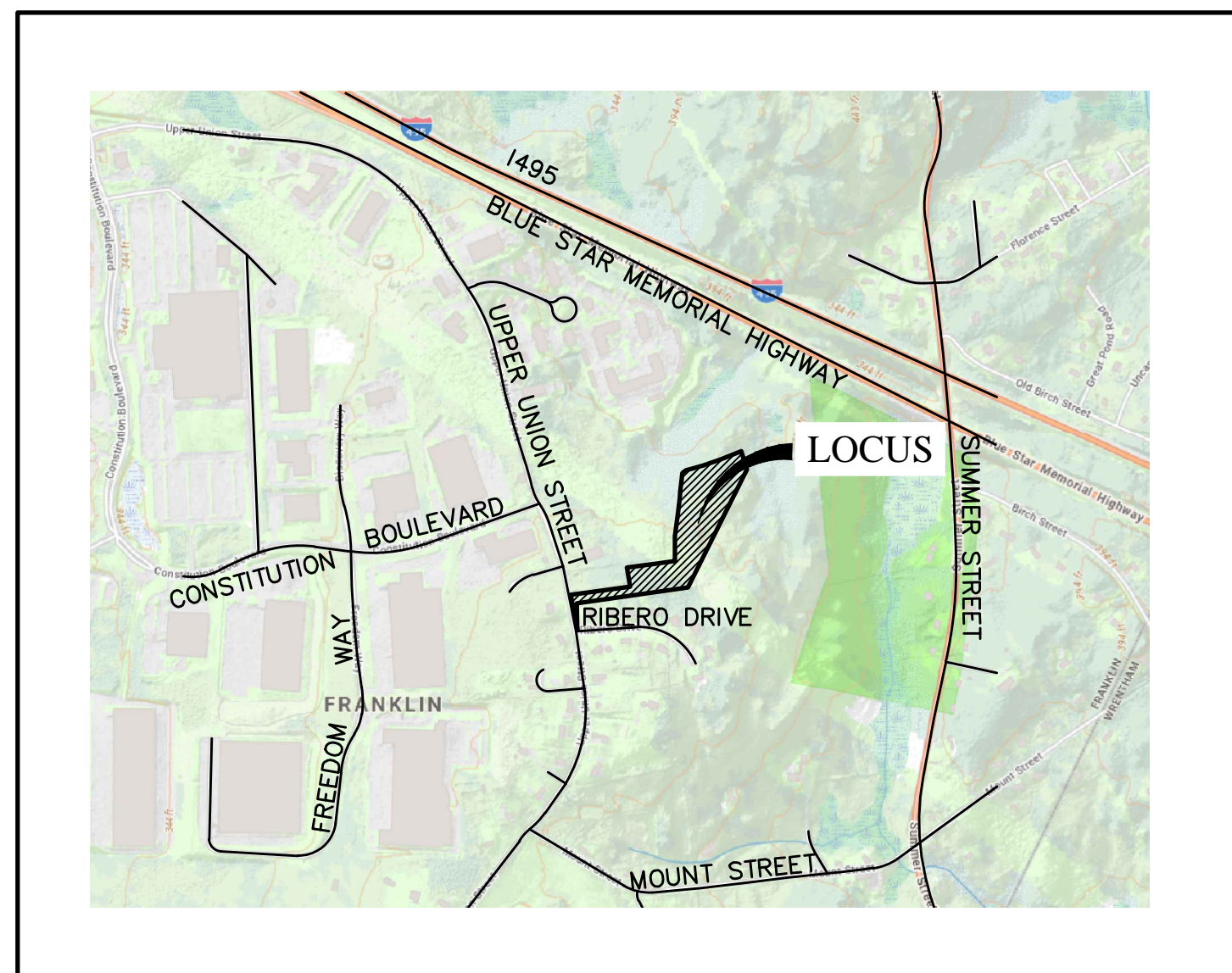
SITE DEVELOPMENT PLANS FOR UPPER UNION SOLAR PROJECT

FRANKLIN, MASSACHUSETTS 02038

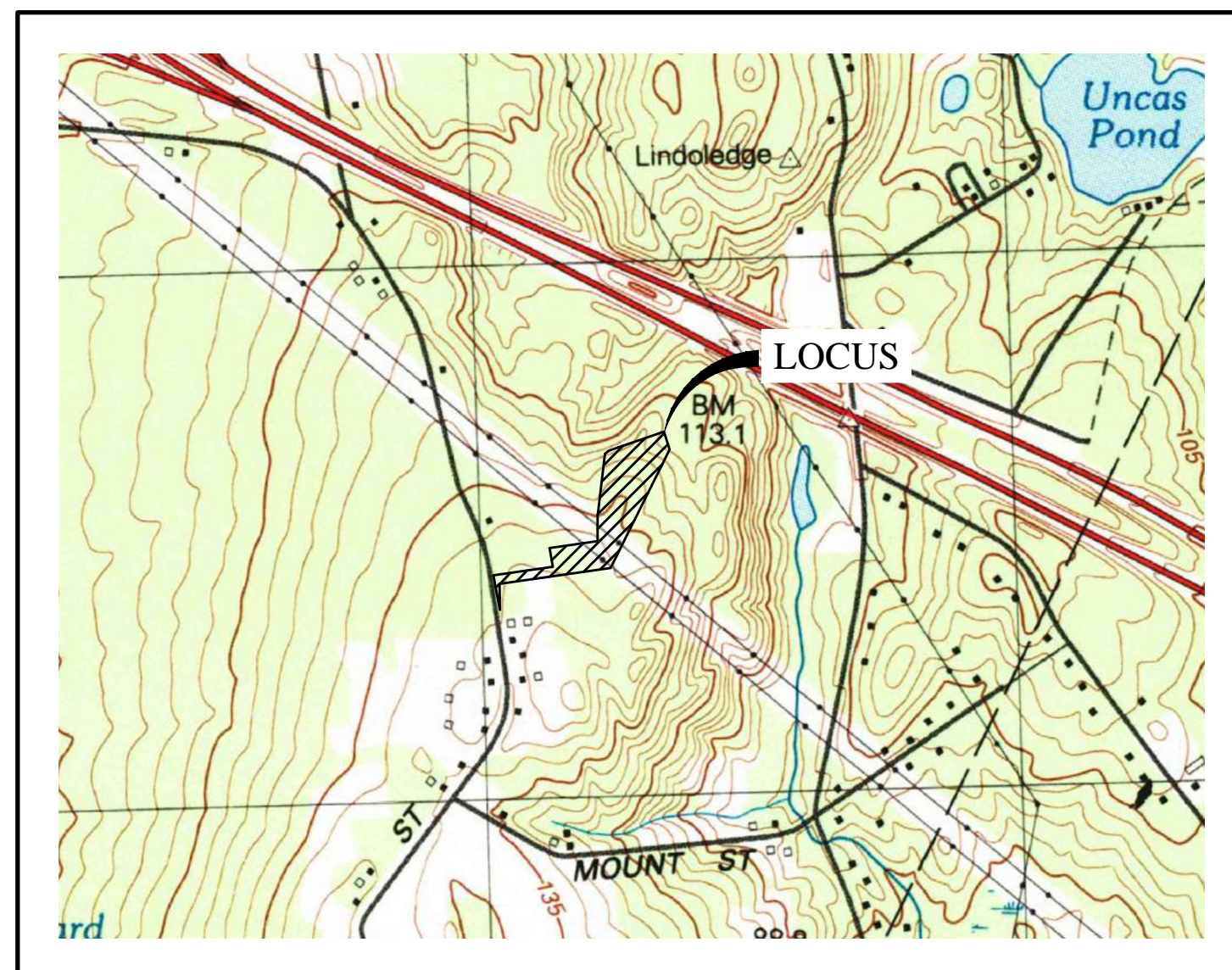
DATE: JUNE 19, 2023

REVISION DATE: NOVEMBER 10, 2023

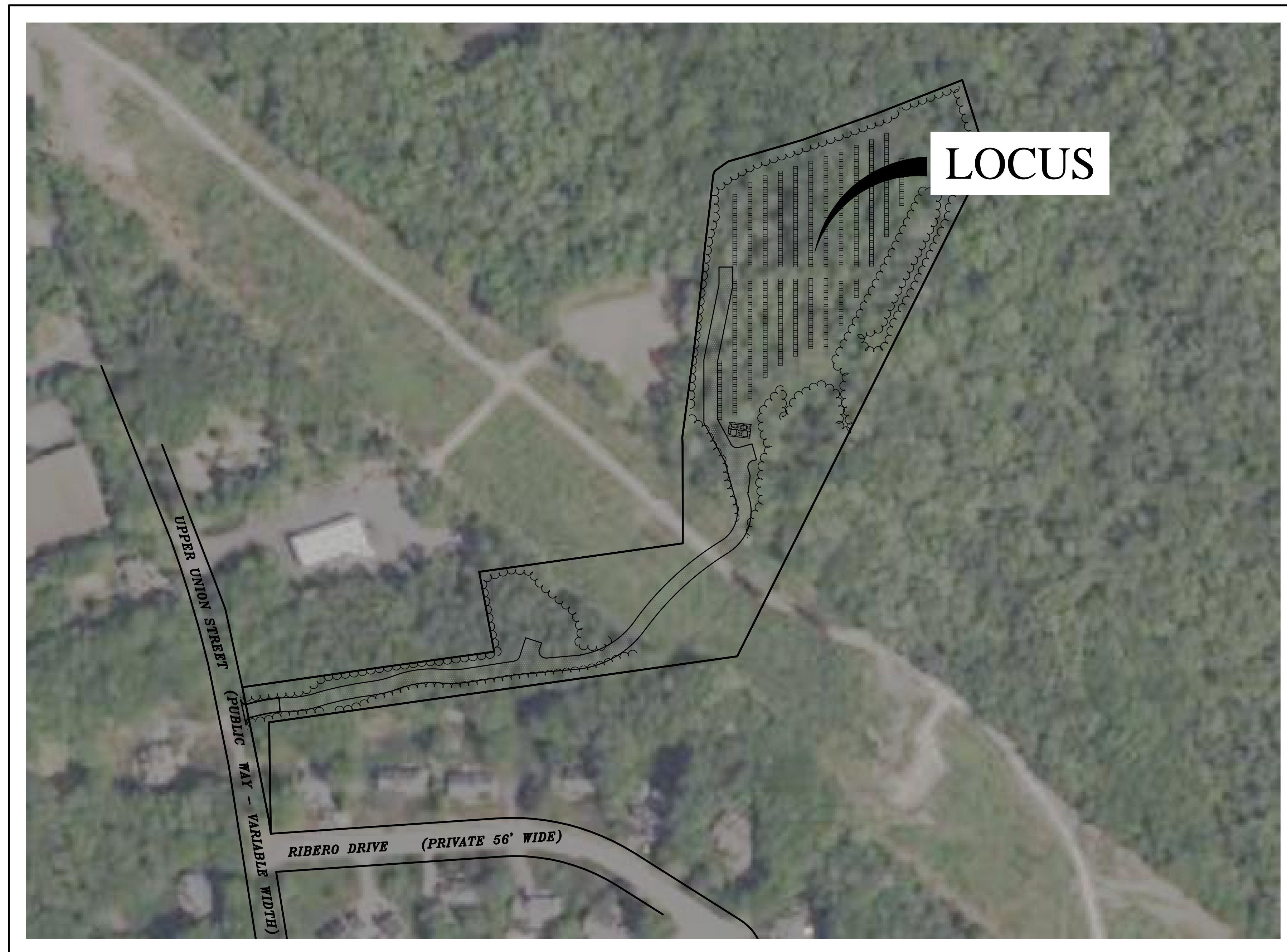
REVISION DATE: DECEMBER 13, 2023



VICINITY MAP
1" = 1,000'



LOCUS MAP
1" = 1,000'



OVERALL LOCATION PLAN
SCALE: 1" = 100'

INDEX OF PLANS		
SHEET NO.	TITLE	SCALE
1	COVER SHEET	1" = 100'
2	OVERALL EXISTING CONDITIONS PLAN	1" = 60'
3	EXISTING CONDITIONS PLAN	1" = 30'
4	EXISTING CONDITIONS PLAN	1" = 30'
5	OVERALL SITE DEVELOPMENT PLAN	1" = 60'
6	SITE DEVELOPMENT PLAN	1" = 30'
7	SITE DEVELOPMENT PLAN	1" = 30'
8	DETAILS PLAN	N.T.S.
9	DETAILS PLAN	N.T.S.
10	DETAILS PLAN	N.T.S.

OWNER:

JOHN C. COLELLA SR.
0 UPPER UNION STREET
FRANKLIN MA, 02038

APPLICANT:

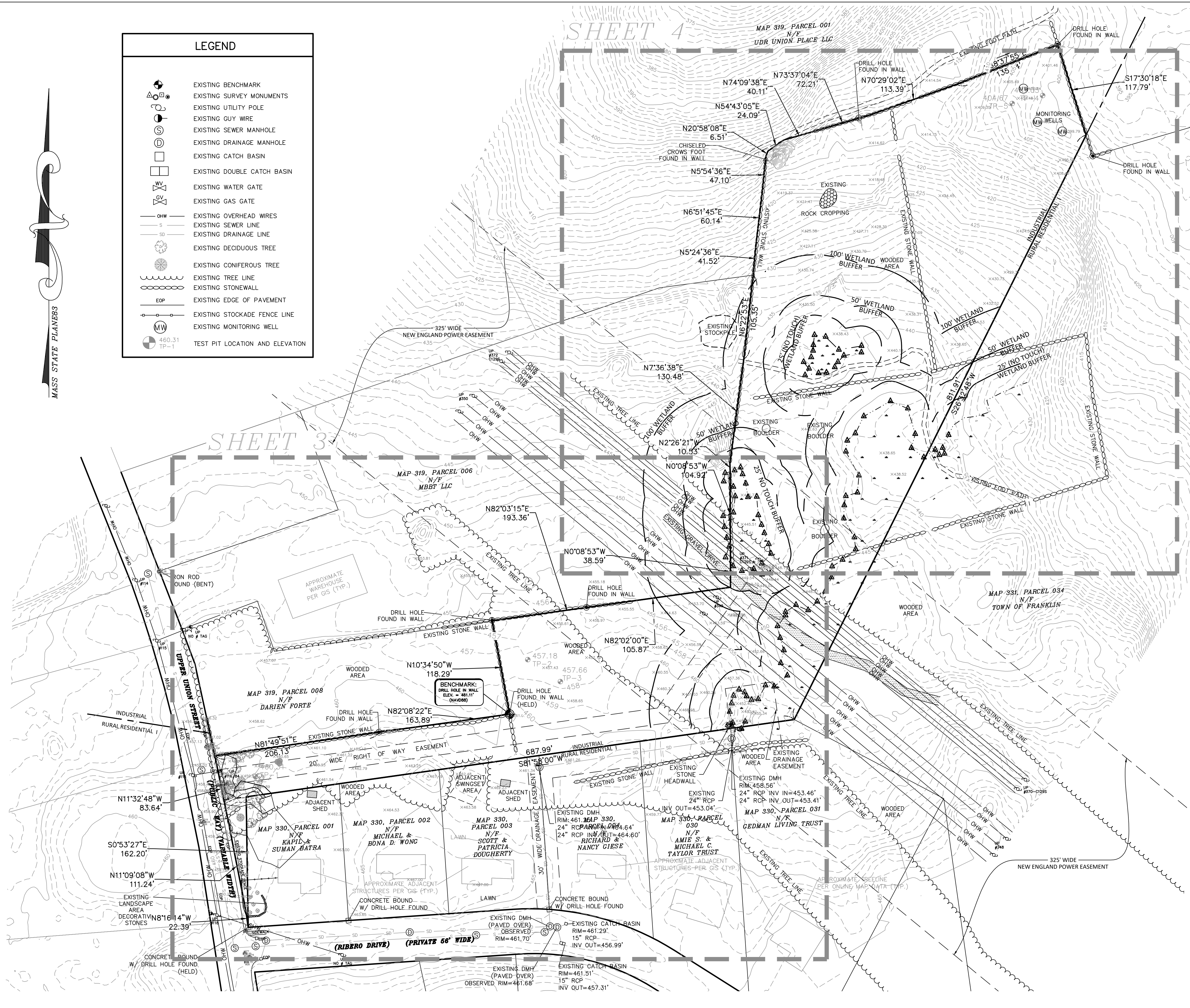
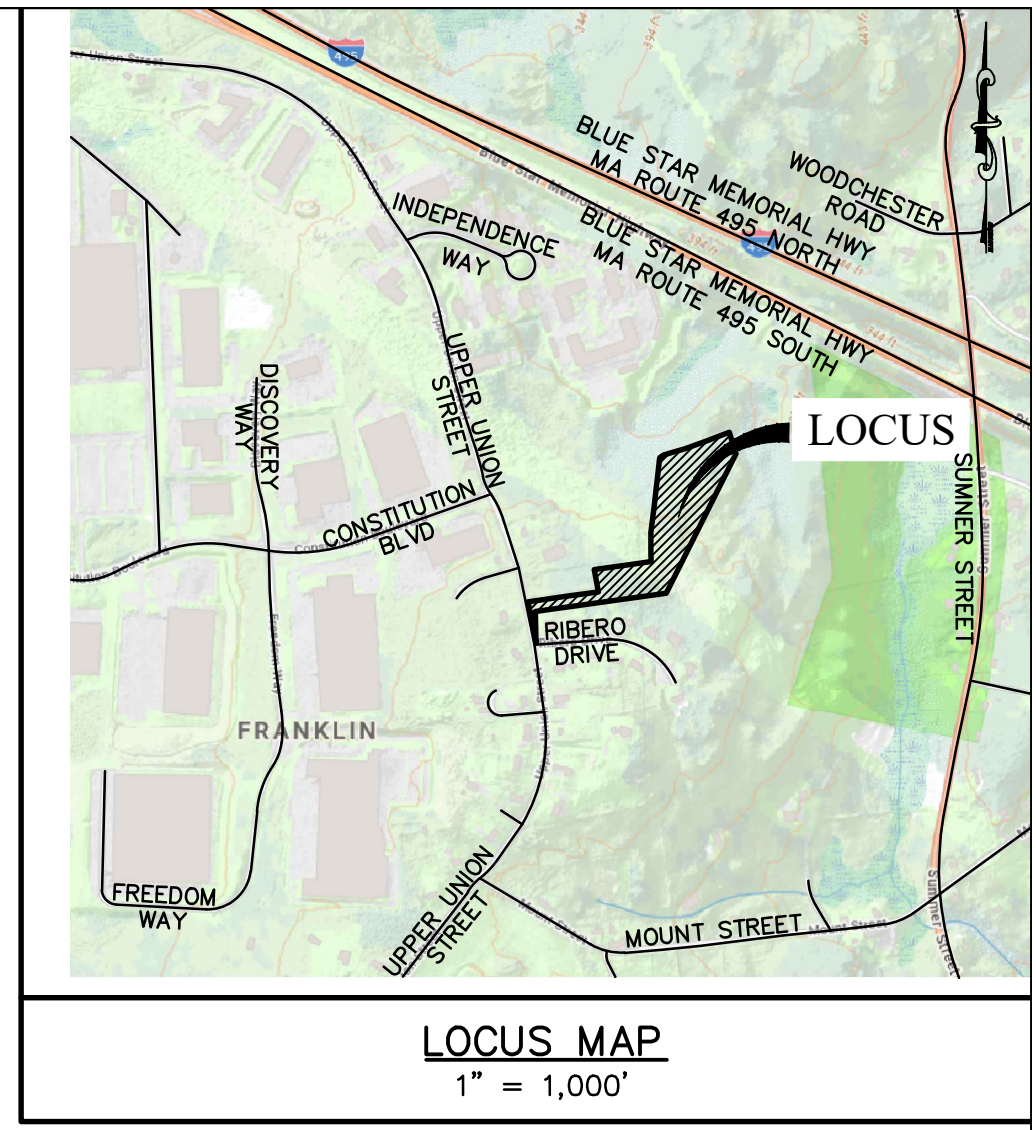
VS UNION SOLAR SMART, LLC
24942 DANA POINT HARBOR
DANA POINT, CA 92629

ENGINEER:

Atlantic[®]
DESIGN ENGINEERS, INC.
P.O. Box 1051, Sandwich, MA 02563
PHONE NUMBER: (508) 888-9282

MASS STATE PLAN 883

LEGEND	
	EXISTING BENCHMARK
	EXISTING SURVEY MONUMENTS
	EXISTING UTILITY POLE
	EXISTING GUY WIRE
	EXISTING SEWER MANHOLE
	EXISTING DRAINAGE MANHOLE
	EXISTING CATCH BASIN
	EXISTING DOUBLE CATCH BASIN
	EXISTING WATER GATE
	EXISTING GAS GATE
	EXISTING OVERHEAD WIRES
	EXISTING SEWER LINE
	EXISTING DRAINAGE LINE
	EXISTING DECIDUOUS TREE
	EXISTING CONIFEROUS TREE
	EXISTING TREE LINE
	EXISTING STONE WALL
	EXISTING EDGE OF PAVEMENT
	EXISTING STOCKADE FENCE LINE
	EXISTING MONITORING WELL
	TEST PIT LOCATION AND ELEVATION



- GENERAL NOTES:**
- RECORD OWNER(S) PER NORFOLK COUNTY REGISTRY OF DEEDS BOOK 31678 PAGE 107:
 MAP 319 PARCEL 009 (0 UPPER UNION STREET)
 JOHN C. COLELLA JR.
 FRANKLIN, MA 02038
 AREA = ±6.21 ACRES
 - THE SUBJECT PROPERTY IS SHOWN AS PARCEL 009 ON THE TOWN OF FRANKLIN ASSESSOR'S MAP 319. TOTAL LAND AREA IS ±6.21 ACRES.
 - THE PROPERTY LIES WITHIN A INDUSTRIAL ZONING DISTRICT BASED UPON A REVIEW OF THE TOWN OF FRANKLIN ZONING MAP AND PROPERTY CARDS.
 - THE LOCUS PROPERTY LINES SHOWN HEREON, ARE COMPILED FROM THE RECORD PLAN (PARCEL A—PLAN NUMBER 624 OF 1995 IN PLAN BOOK 433) AND DEED (BOOK 31678 PAGE 107) AND ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983 (NAD83) AND ARE BASED UPON A FIELD SURVEY BY ATLANTIC DESIGN ENGINEERS, INC.
 - THE PROPERTY LIES WITHIN FLOOD ZONE X, AN AREA OF MINIMAL FLOODING, BASED UPON A REVIEW OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) MAP NUMBER 25021C0317E, EFFECTIVE DATE JULY 17, 2012.
 - THE LOCUS DOES NOT LIE WITHIN A ZONE II BASED UPON REVIEW OF THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM AND THE TOWN OF FRANKLIN GEOGRAPHIC INFORMATION SYSTEM.
 - THE LOCUS DOES NOT LIE WITHIN THE WATER RESERVE OVERLAY DISTRICT BASED UPON REVIEW OF THE TOWN OF FRANKLIN GEOGRAPHIC INFORMATION SYSTEM AND WATER RESERVE DISTRICT MAPS.
 - THE SITE IS NOT LOCATED WITHIN AN ESTIMATED HABITAT OF RARE WILDLIFE OR A PRIORITY HABITAT OF RARE SPECIES BASED UPON A REVIEW OF THE NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM MAPS OBSERVED ON THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM.
 - THE PROPERTY DOES NOT LIE WITHIN AN AREA OF CRITICAL ENVIRONMENTAL CONCERN (ACEC) BASED UPON A REVIEW OF THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM.
 - THE EXISTING CONDITIONS SHOWN HEREON ARE BASED UPON A FIELD SURVEY BY ATLANTIC DESIGN ENGINEERS, INC. IN APRIL AND JUNE OF 2023 AND SUPPLEMENTED BY INFORMATION OBTAINED BY THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM, THE TOWN OF FRANKLIN GEOGRAPHIC INFORMATION SYSTEM, AND INFORMATION OBTAINED FROM PUBLIC RECORDS.
 - THE WETLAND RESOURCE AREAS SHOWN HEREON ARE BASED UPON WETLAND DELINEATIONS COMPLETED BY GODDARD CONSULTING LLC IN APRIL AND SEPTEMBER 2023. WETLAND FLAGS WERE GPS LOCATED BY ATLANTIC DESIGN ENGINEERS ON APRIL 19, 2023 AND OCTOBER 2, 2023.



Atlantic DESIGN ENGINEERS, INC.
 P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

Designed by : _____
 Drawn by : _____
 Checked by : _____
 Survey chk. by : _____
 Approved by : _____

SCALE
 SCALE 1" = 60'
 DATE

NO.	BY	DATE	REVISION
1	BJR	11/10/23	PEER REVIEW/TOWN COMMENTS

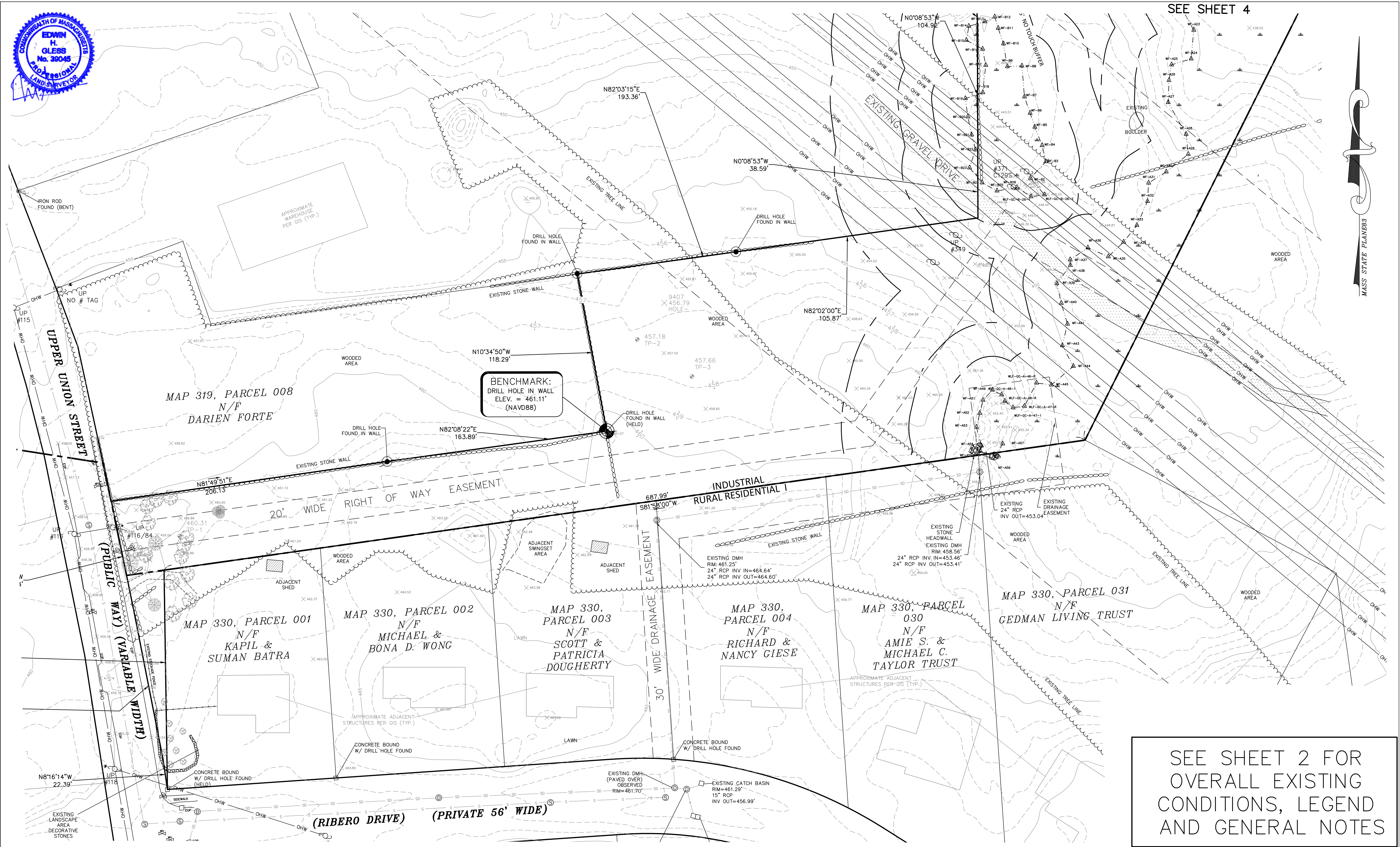
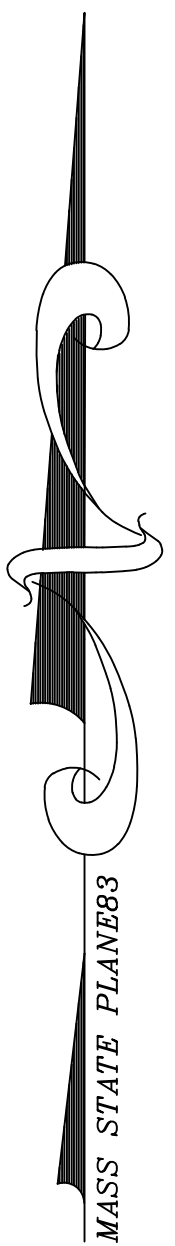
PREPARED FOR:
VS UNION SOLAR SMART, LLC
 24941 DANA POINT HARBOR
 DANA POINT, CA 92629

OVERALL EXISTING CONDITIONS PLAN
 FOR
UPPER UNION SOLAR PROJECT
 FRANKLIN, MA
 JUNE 19, 2023

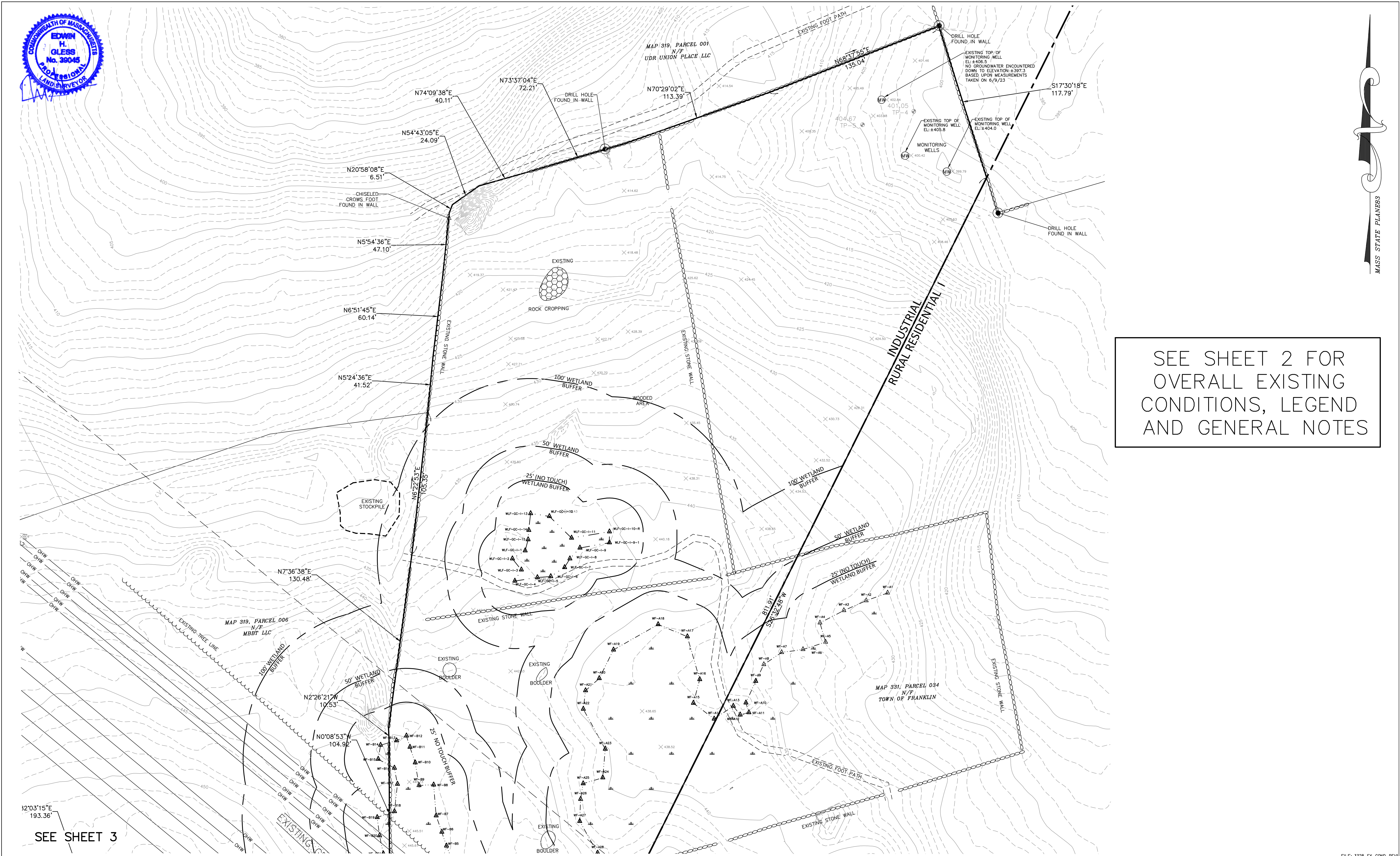
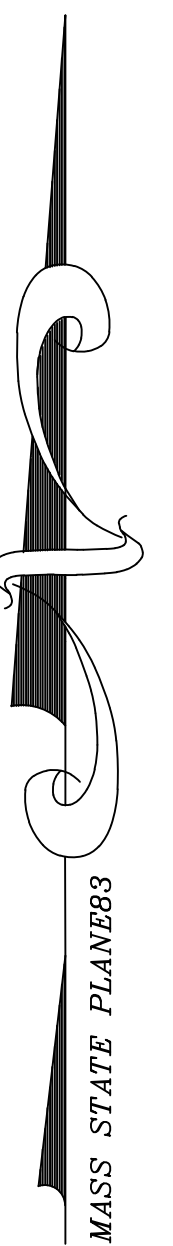
File: 3328-EX-COND-REV1
Sheet 2 of 10
JOB NUMBER 3328.00



SEE SHEET 4



SEE SHEET 2 FOR
OVERALL EXISTING
CONDITIONS, LEGEND
AND GENERAL NOTES

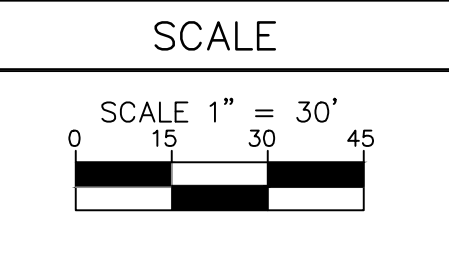


SEE SHEET 2 FOR
OVERALL EXISTING
CONDITIONS, LEGEND
AND GENERAL NOTES

SEE SHEET 3

Atlantic DESIGN ENGINEERS, INC.
P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

Designed by : _____
Drawn by : _____
Checked by : _____
Survey chk. by : _____
Approved by : _____



DATE _____

NO.	BY	DATE	REVISION
1	BJR	11/10/23	PEER REVIEW/TOWN COMMENTS

PREPARED FOR:
VS UNION SOLAR PROJECT, LLC
24941 DANA POINT HARBOR
DANA POINT, CA 92629

EXISTING CONDITIONS PLAN
FOR
UPPER UNION SOLAR PROJECT
FRANKLIN, MA
JUNE 19, 2023

Sheet	of
4	10
JOB NUMBER	
3328.00	

FILE: 3328-EX-COND-REV1

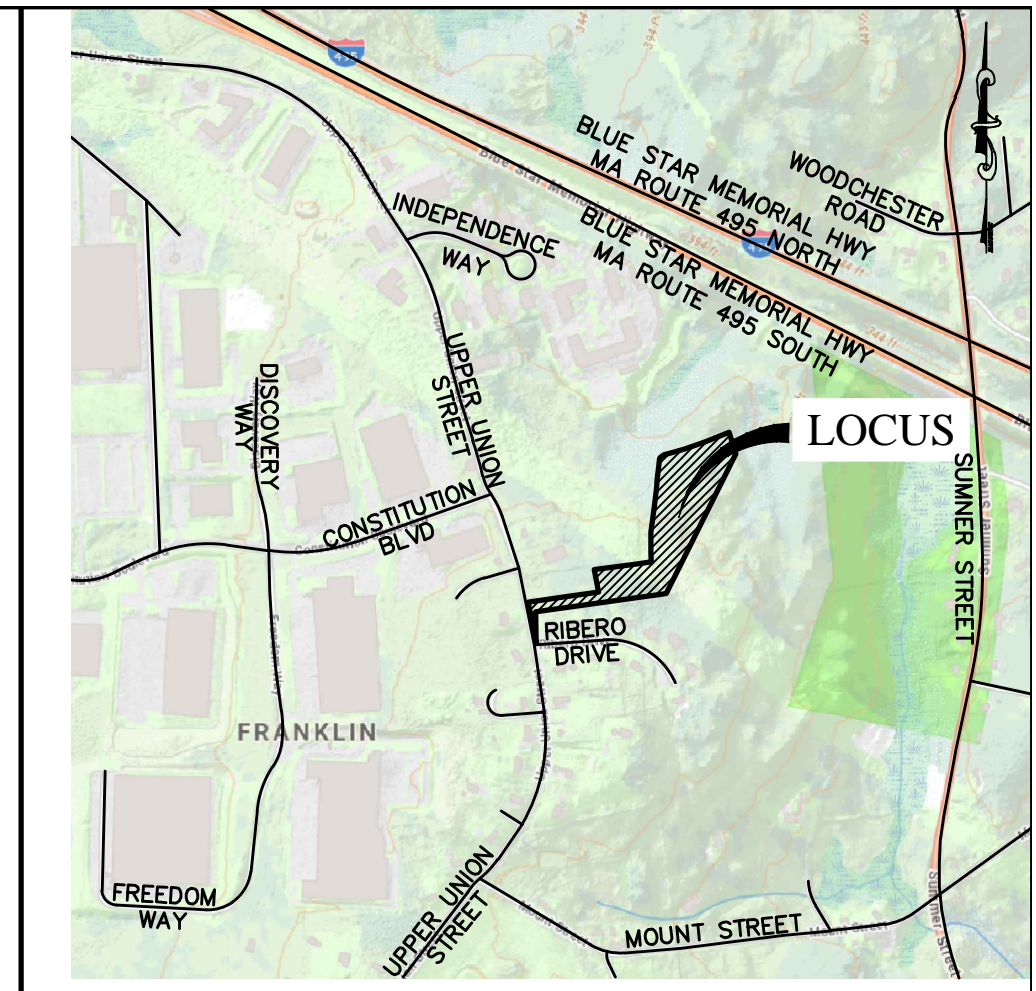
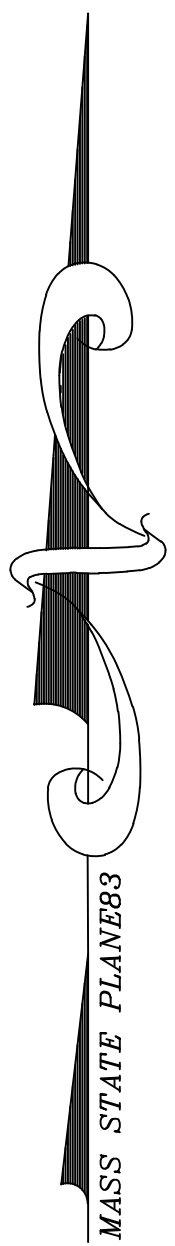
ZONING REQUIREMENTS

TOWN OF FRANKLIN
ZONING BYLAWS, JAN, 2021

**CHAPTER 185 ATTACHMENT 9
(INDUSTRIAL DISTRICT)**

	REQUIRED	PROVIDED
MINIMUM LOT SIZE	40,000 SF	±2,642,323 SF
MINIMUM LOT DIMENSIONS:		
FRONTAGE	175 FEET	±217.3 FEET
DEPTH	200 FEET	>200 FEET
WIDTH	157.5 FEET	N/A (LOT CREATED IN 1995)
MINIMUM YARD DIMENSIONS:		
FRONT YARD	30 FEET	794.0 FEET
SIDE YARD	30 FEET	31.2 FEET
REAR YARD	30 FEET	115.4 FEET
RESIDENTIAL SETBACK*	75 FEET*	75.6 FEET
MAXIMUM BUILDING HEIGHT	3 STORIES	N/A
MAXIMUM IMPERVIOUS COVERAGE:		
STRUCTURES	70%	N/A
STRUCTURES PLUS PAVING	80%	0.06%

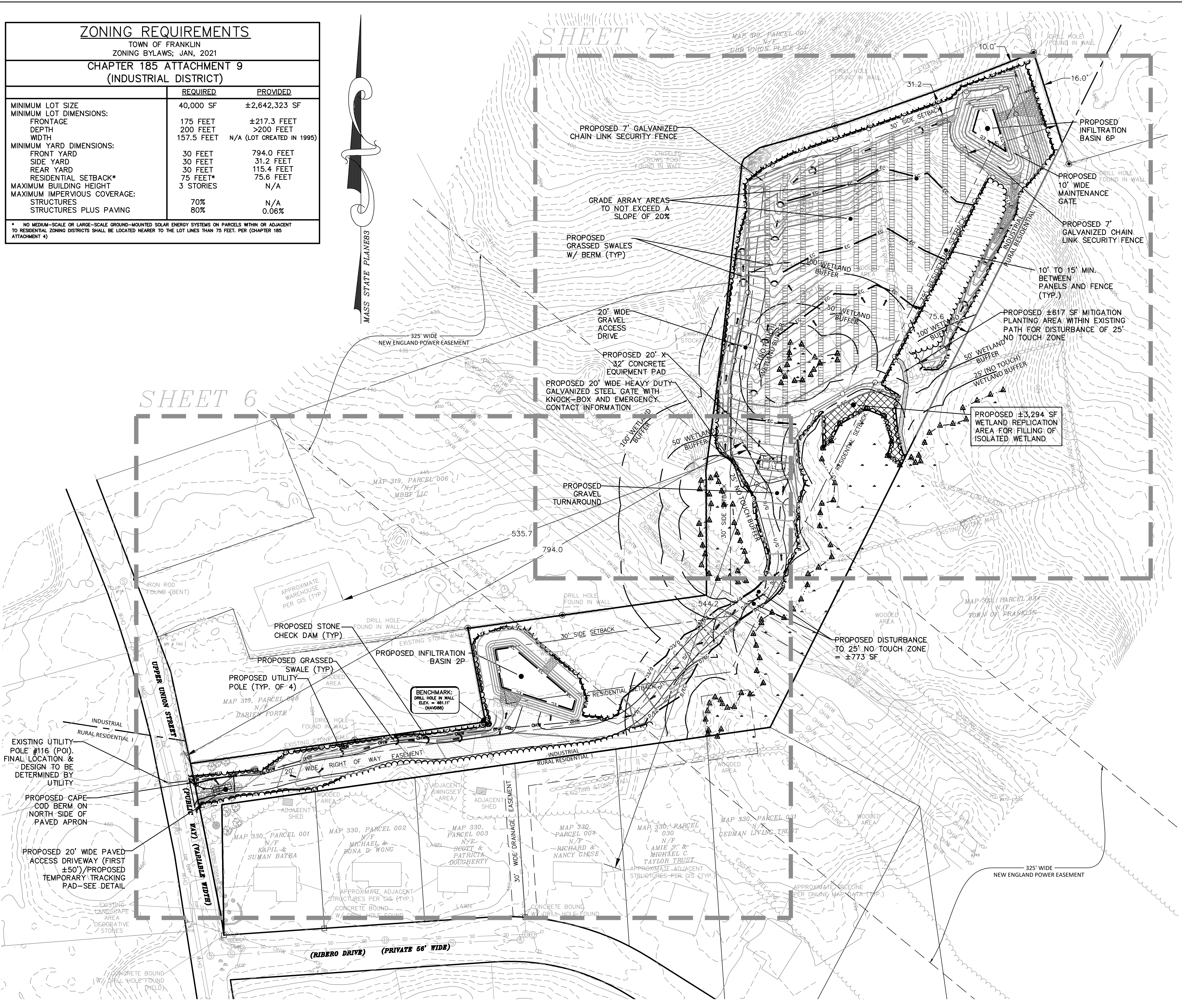
* NO MEDIUM-SCALE OR LARGE-SCALE GROUND-MOUNTED SOLAR ENERGY SYSTEMS ON PARCELS WITHIN OR ADJACENT TO RESIDENTIAL ZONING DISTRICTS SHALL BE LOCATED NEARER TO THE LOT LINES THAN 75 FEET. PER (CHAPTER 185 ATTACHMENT 4)



LOCUS MAP
1" = 1,000'

LEGEND

	EXISTING BENCHMARK
	EXISTING SURVEY MONUMENTS
	EXISTING UTILITY POLE
	EXISTING GUY WIRE
	EXISTING SEWER MANHOLE
	EXISTING DRAINAGE MANHOLE
	EXISTING CATCH BASIN
	EXISTING DOUBLE CATCH BASIN
	EXISTING WATER GATE
	EXISTING GAS GATE
	EXISTING OVERHEAD WIRES
	EXISTING SEWER LINE
	EXISTING DRAINAGE LINE
	EXISTING DECIDUOUS TREE
	EXISTING CONIFEROUS TREE
	EXISTING TREE LINE
	EXISTING STONEWALL
	EXISTING EDGE OF PAVEMENT
	EXISTING STOCKADE FENCE LINE
	EXISTING MONITORING WELL
	TEST PIT LOCATION AND ELEVATION
	PROPOSED TREELINE
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	PROPOSED CHAIN LINK FENCE
	PROPOSED EROSION CONTROL BARRIER
	PROPOSED DOUBLE EROSION CONTROL
	PROPOSED OVERHEAD WIRES
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED UTILITY POLE
	PROPOSED DRAINAGE LINE
	PROPOSED FLARED END SECTION
	PROPOSED DRAINAGE FLOW ARROW
	PROPOSED RIP-RAP APRON/CHANNEL

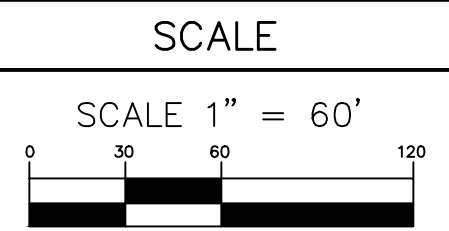


NO LIGHTING IS PROPOSED AS PART OF THIS PROJECT

SEE SHEET 8 FOR CONSTRUCTION NOTES

Atlantic DESIGN ENGINEERS, INC.
P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

Designed by :	
Drawn by :	
Checked by :	
Survey chk. by :	
Approved by :	



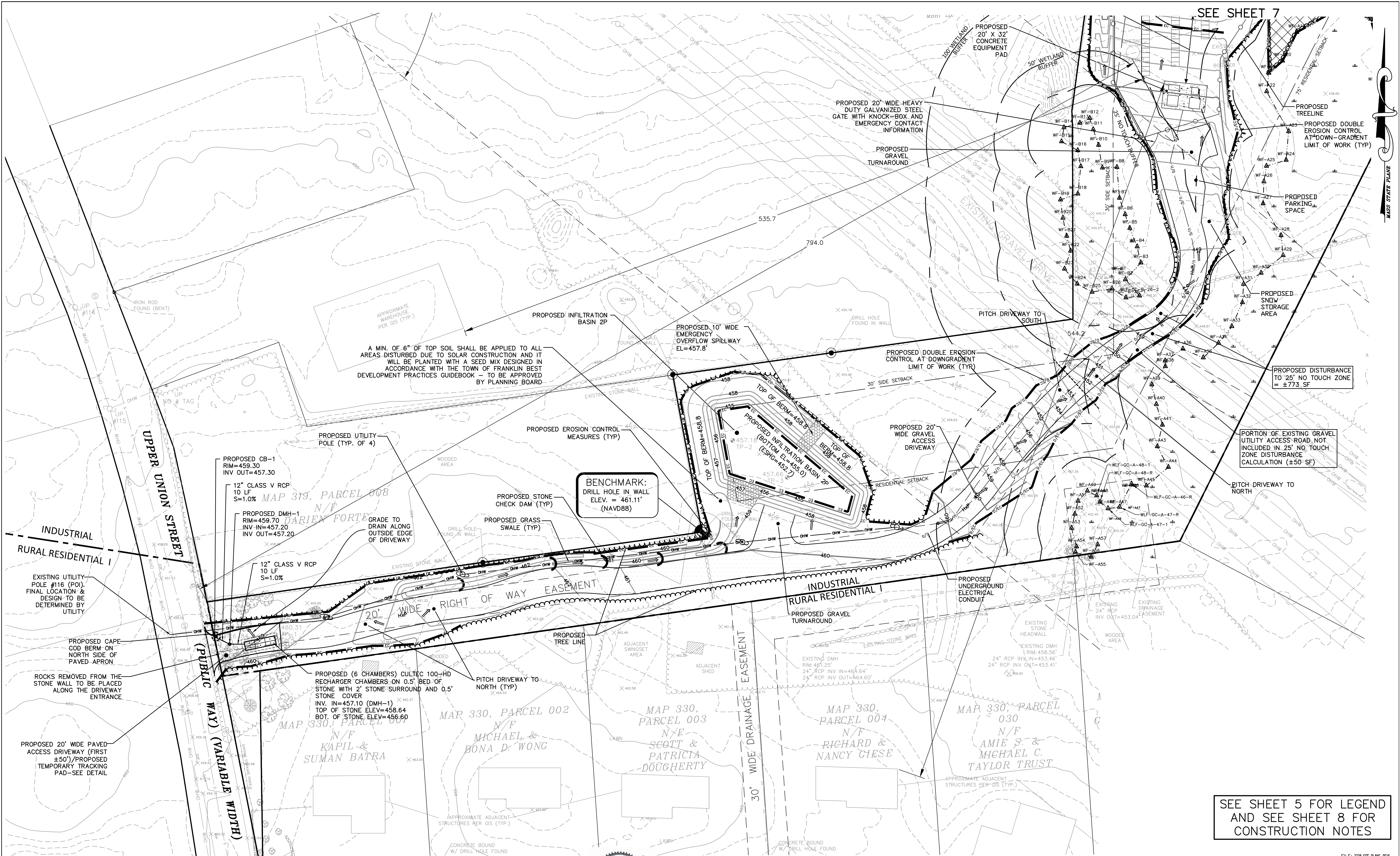
DATE

NO.	BY	DATE	REVISION
2	BJR	12/13/23	PEER REVIEW/TOWN COMMENTS
1	BJR	11/10/23	PEER REVIEW/TOWN COMMENTS

APPLICANT:
VS UNION SOLAR SMART, LLC
24941 DANA POINT HARBOR
DANA POINT, CA 92629

OVERALL DEVELOPMENT PLAN
FOR
UPPER UNION SOLAR PROJECT
JUNE 19, 2023
FRANKLIN, MA

File: 3328 SITE PLANS-REV	Sheet	of
	5	10
JOB NUMBER	3328.00	



A MIN. OF 6" OF TOP SOIL SHALL BE APPLIED TO ALL AREAS DISTURBED DUE TO SOLAR CONSTRUCTION AND IT WILL BE PLANTED WITH A SEED MIX DESIGNED IN ACCORDANCE WITH THE TOWN OF FRANKLIN BEST DEVELOPMENT PRACTICES GUIDEBOOK - TO BE APPROVED BY PLANNING BOARD

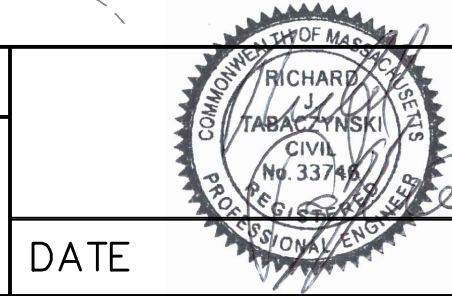
BENCHMARK:
DRILL HOLE IN WALL
ELEV. = 461.11'
(NAVD88)

SEE SHEET 5 FOR LEGEND
AND SEE SHEET 8 FOR
CONSTRUCTION NOTES

Atlantic DESIGN ENGINEERS, INC.
P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

Designed by : _____
 Drawn by : _____
 Checked by : _____
 Survey chk. by : _____
 Approved by : _____

SCALE
 SCALE 1" = 30'
 0 15 30 45

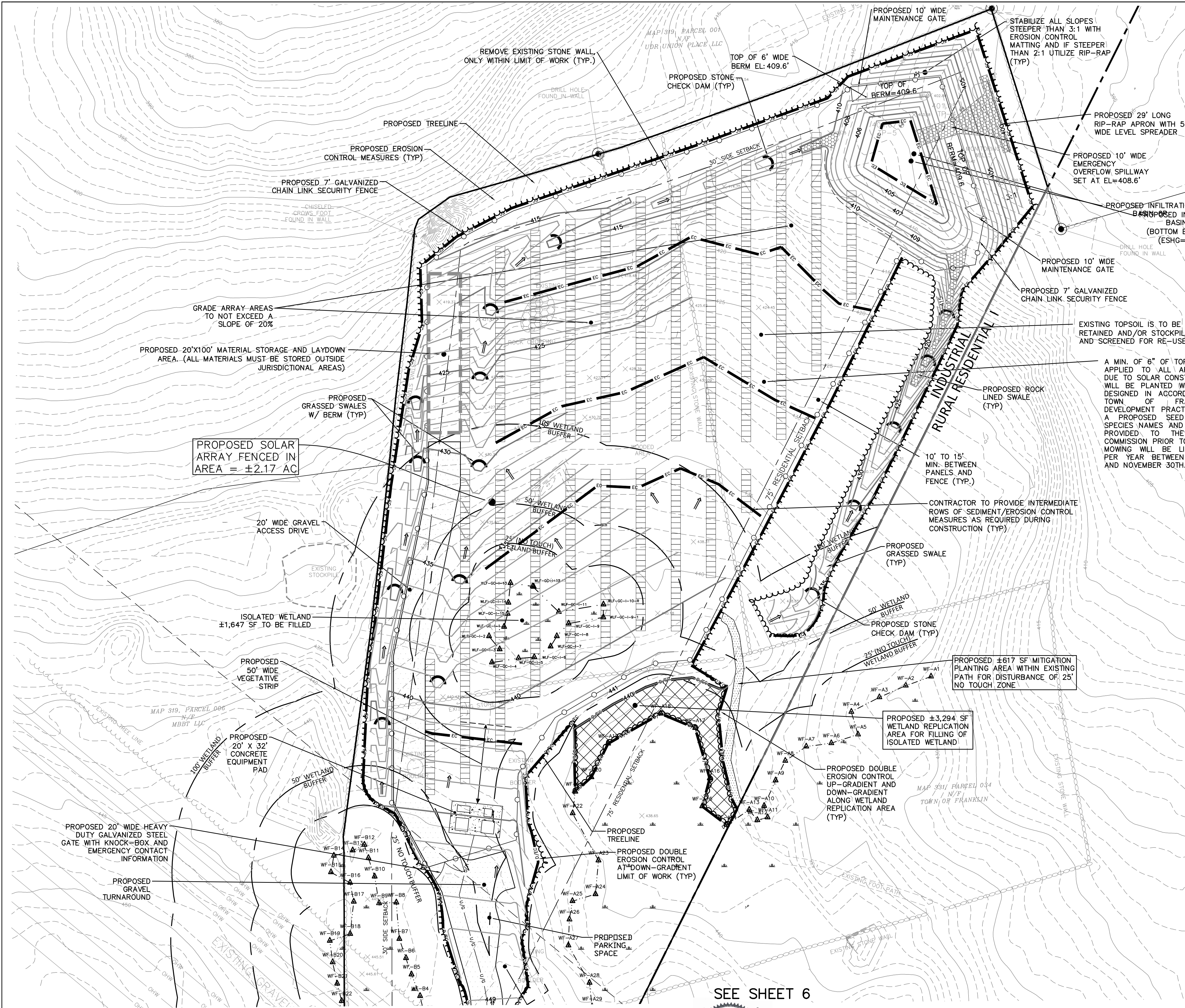
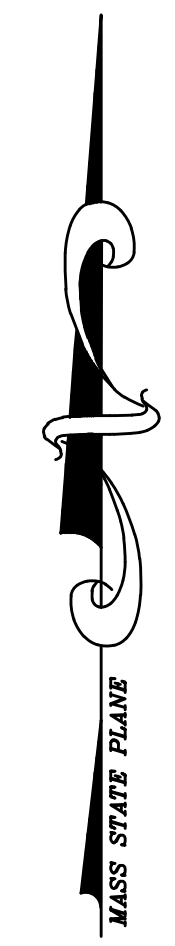


NO.	BY	DATE	REVISION
2	BJR	12/13/23	PEER REVIEW/TOWN COMMENTS
1	BJR	11/10/23	PEER REVIEW/TOWN COMMENTS

APPLICANT:
VS UNION SOLAR SMART, LLC
 24941 DANA POINT HARBOR
 DANA POINT, CA 92629

DEVELOPMENT PLAN
 FOR
UPPER UNION SOLAR PROJECT
 JUNE 19, 2023
 FRANKLIN, MA

FILE: 3328 SITE PLANS-REV	Sheet	of
	6	10
JOB NUMBER	3328.00	



RESOURCE AREA IMPACT SUMMARY		
RESOURCE AREA	ALTERATION PROPOSED	MITIGATION PROPOSED
ISOLATED WETLAND	±1,647 SF	±3,294 SF WETLAND REPLICATION AREA
BUFFER ZONE	0-25': ±773 SF 25-100': ±55,963 SF TOTAL: ±56,736 SF	±617 SF MITIGATION PLANTING AREA

SEE SHEET 5 FOR LEGEND
AND SEE SHEET 8 FOR
CONSTRUCTION NOTES

SEE SHEET 6

Atlantic DESIGN ENGINEERS, INC.
P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

Designed by : _____
 Drawn by : _____
 Checked by : _____
 Survey chg. by : _____
 Approved by : _____

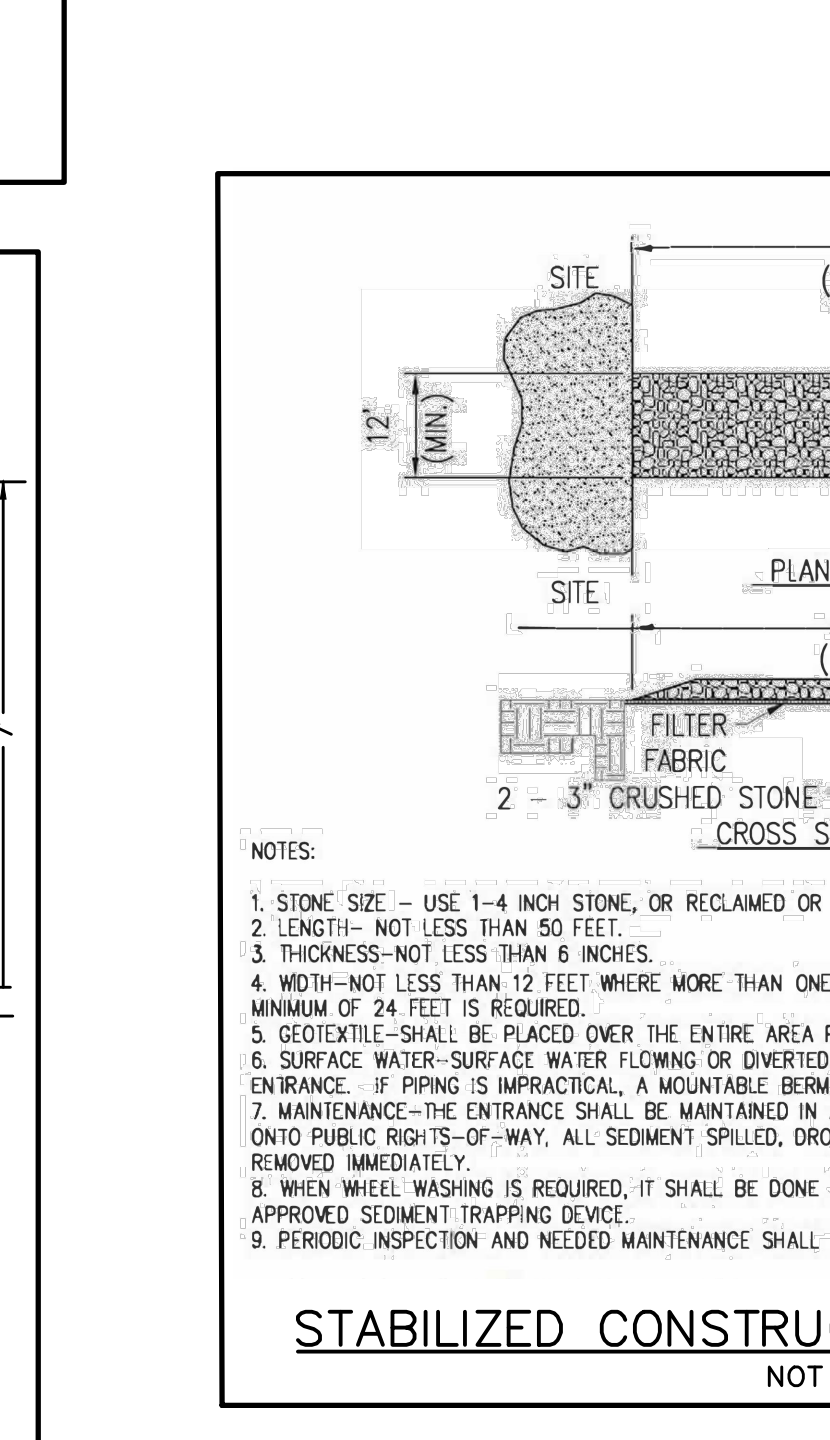
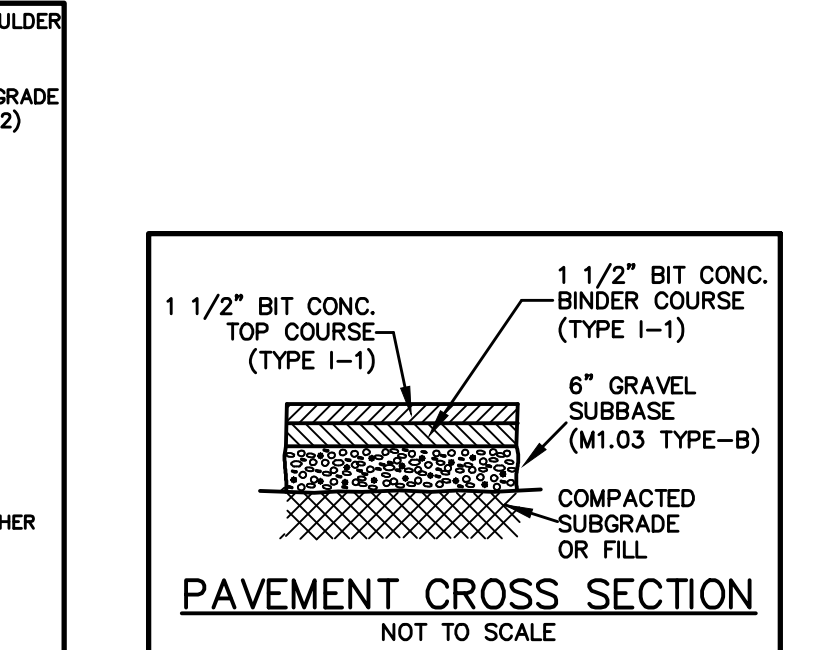
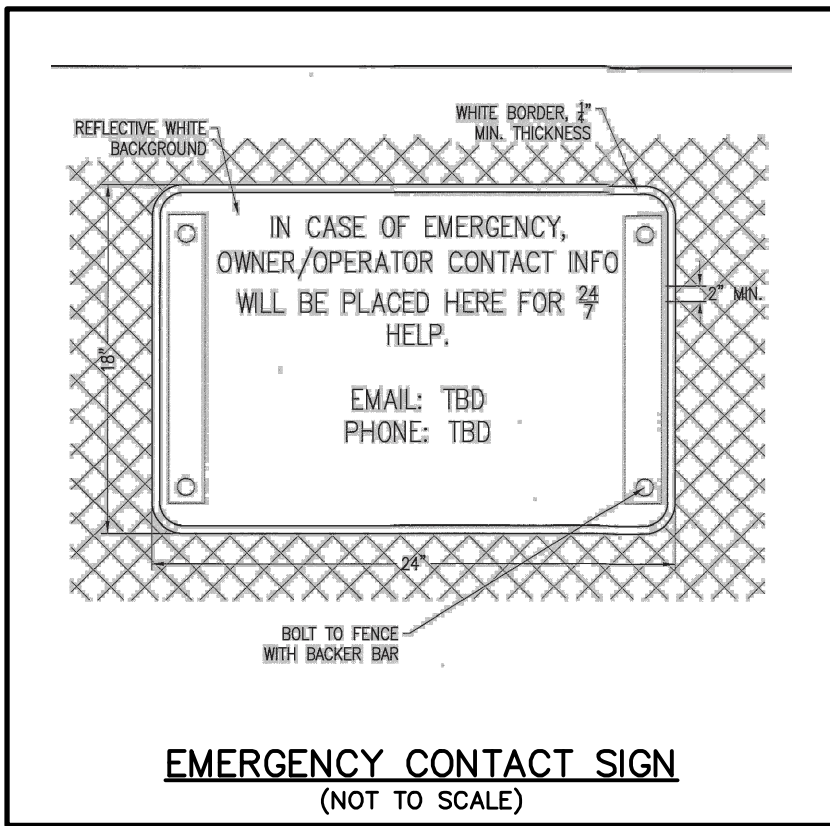
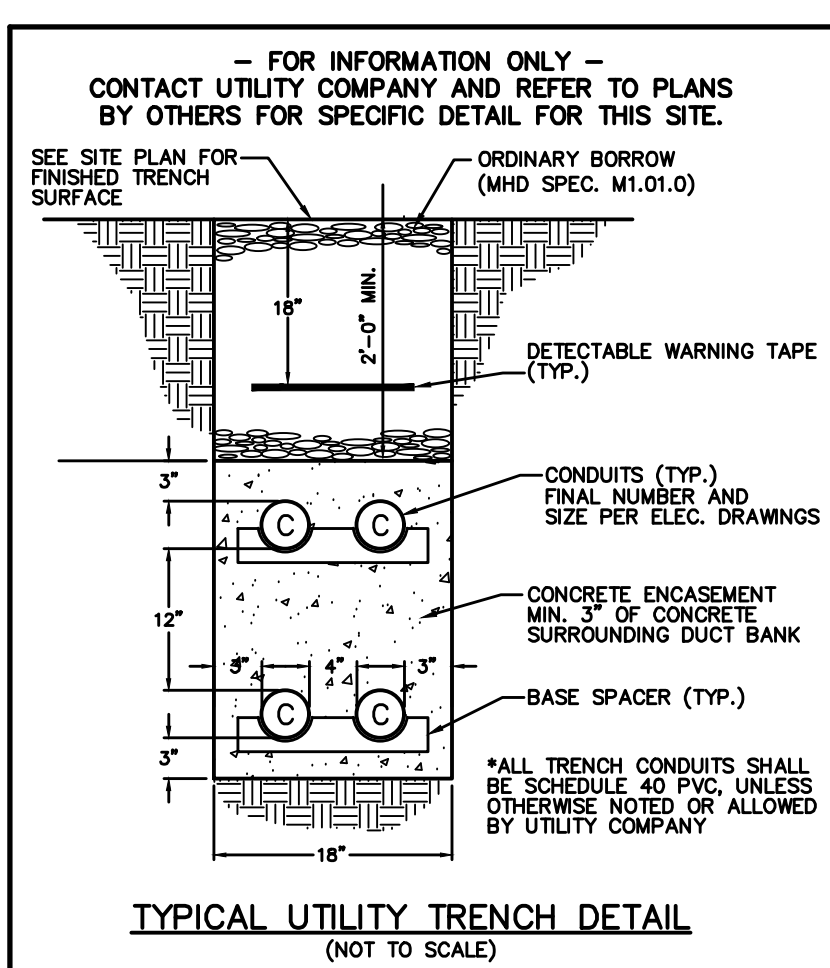
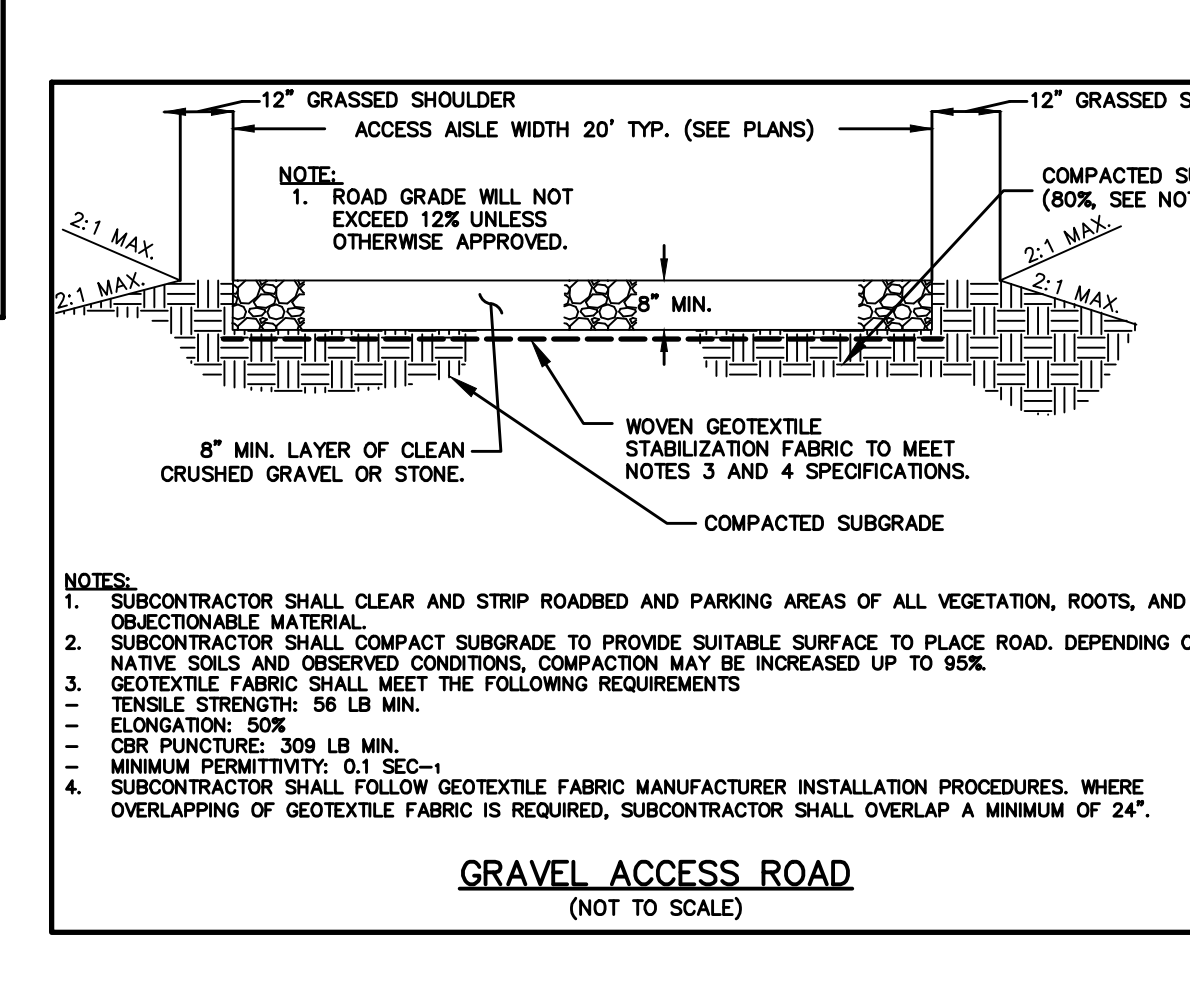
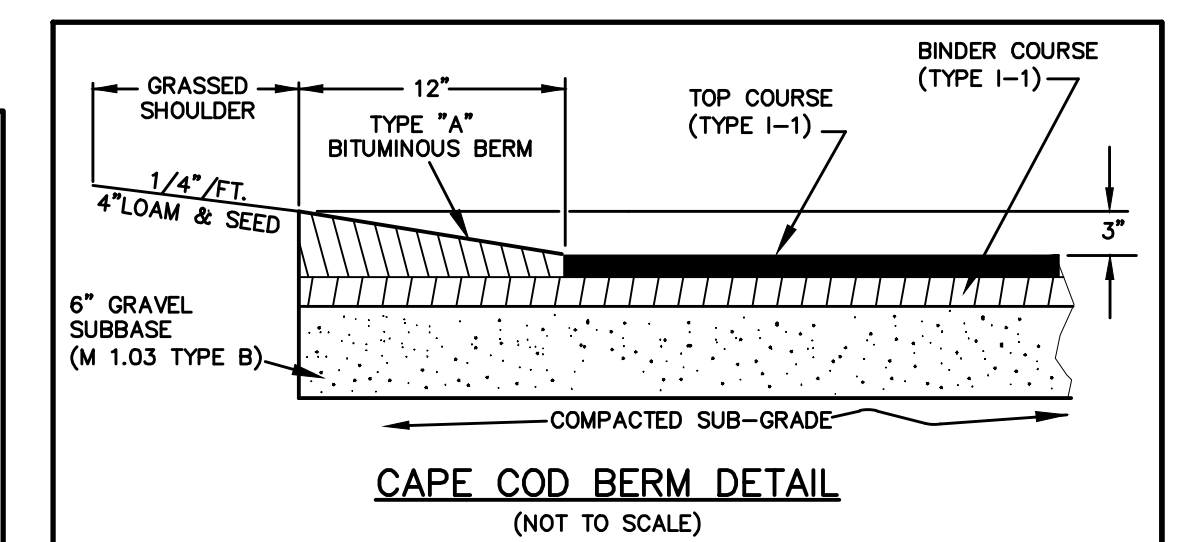
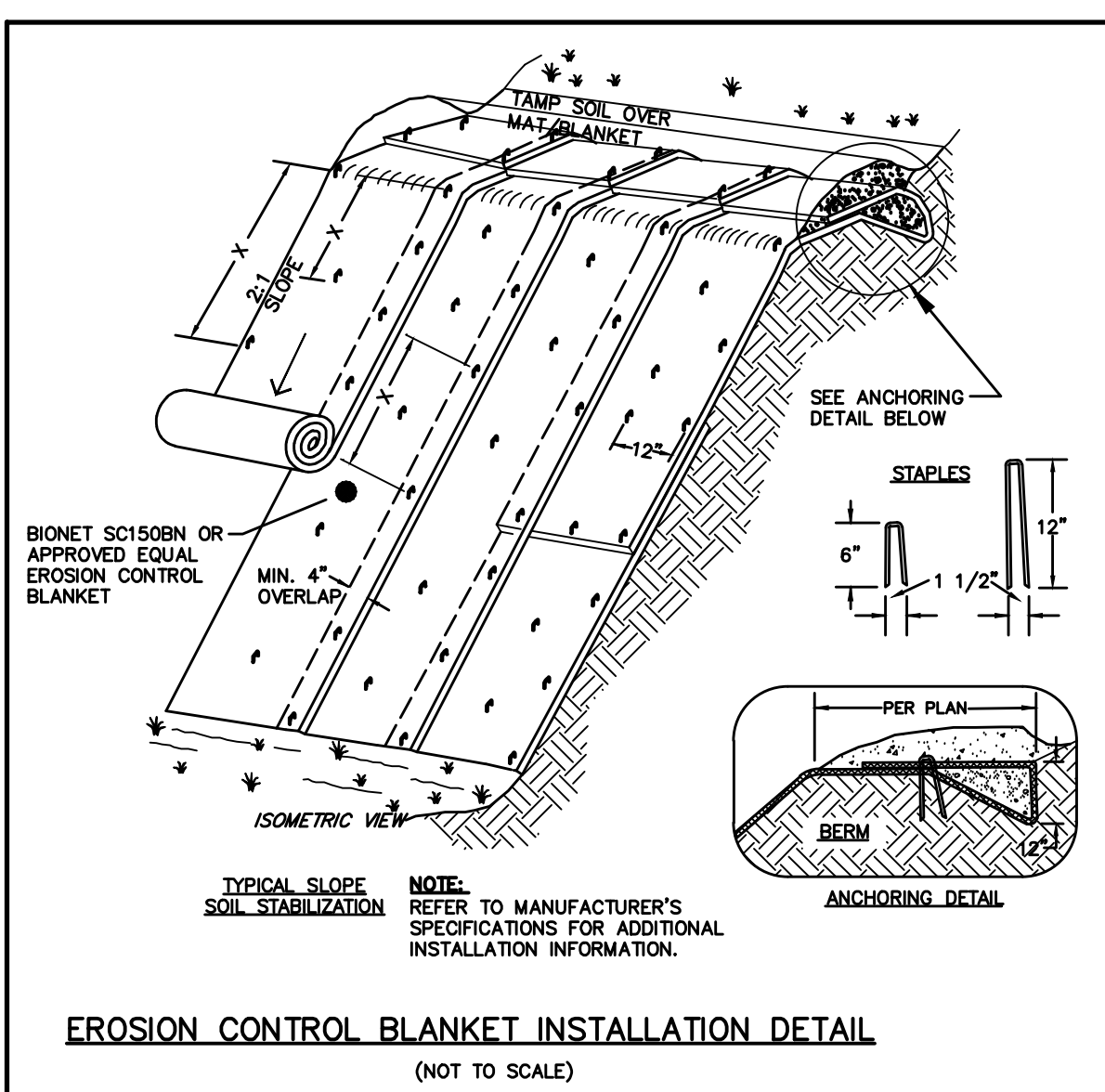
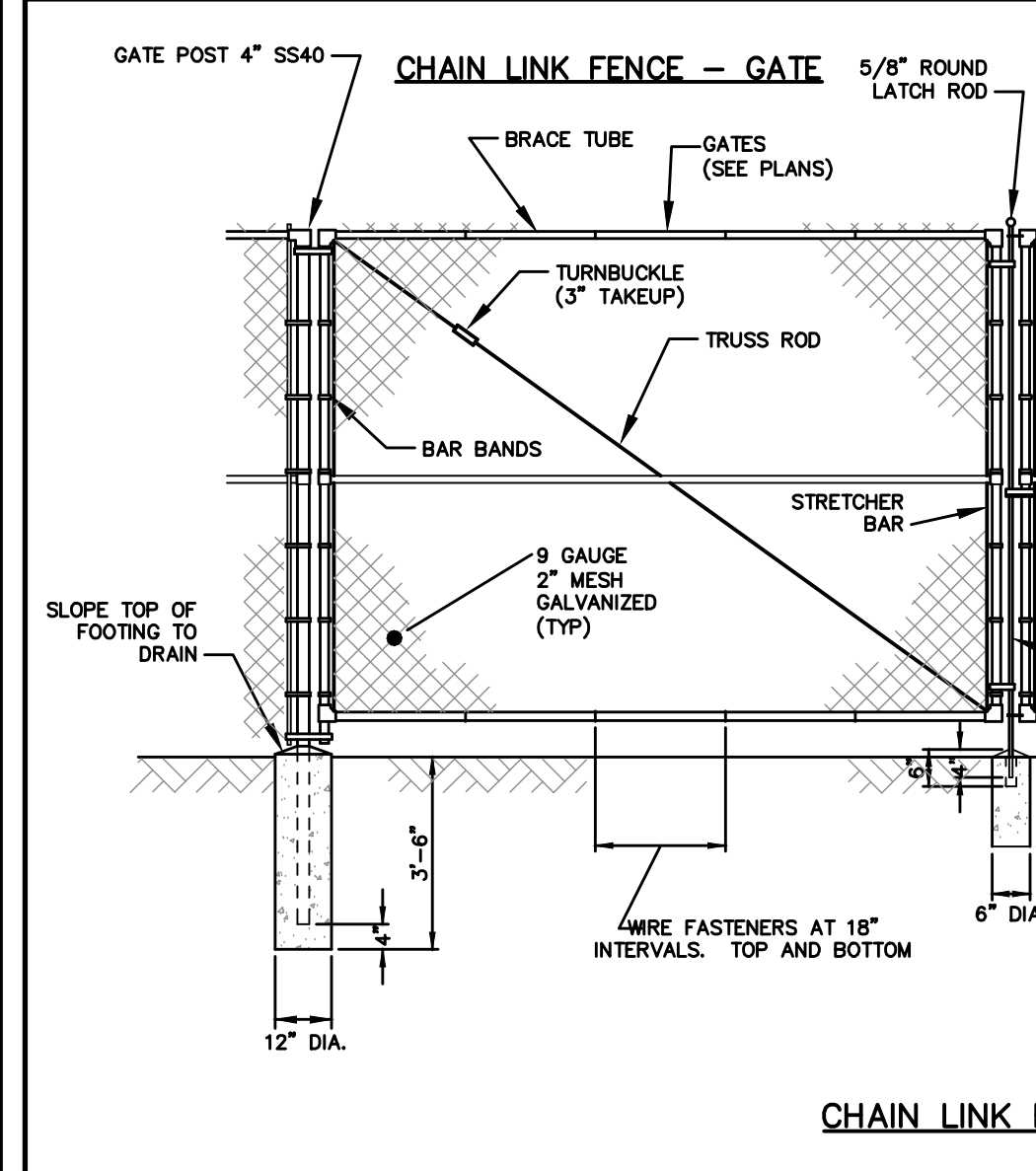
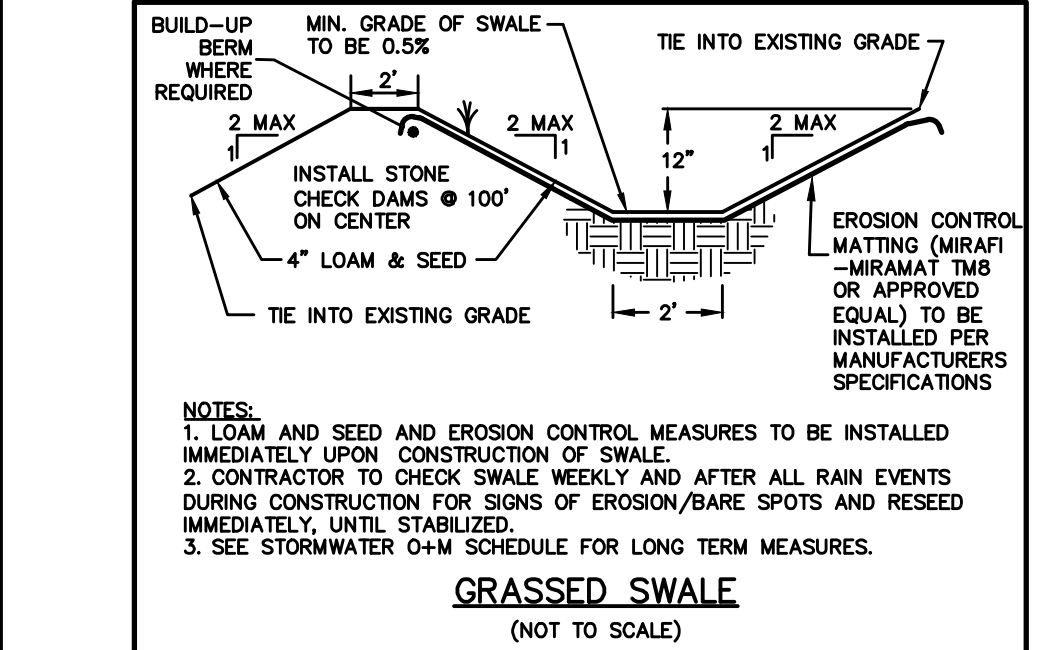
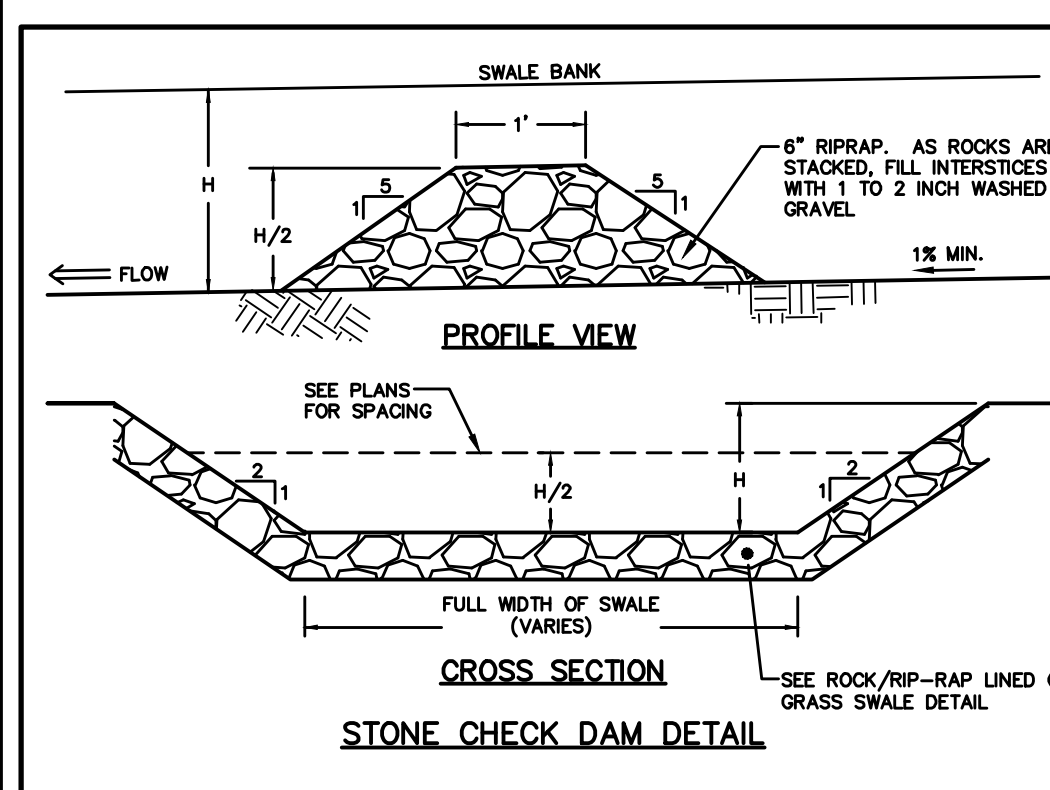
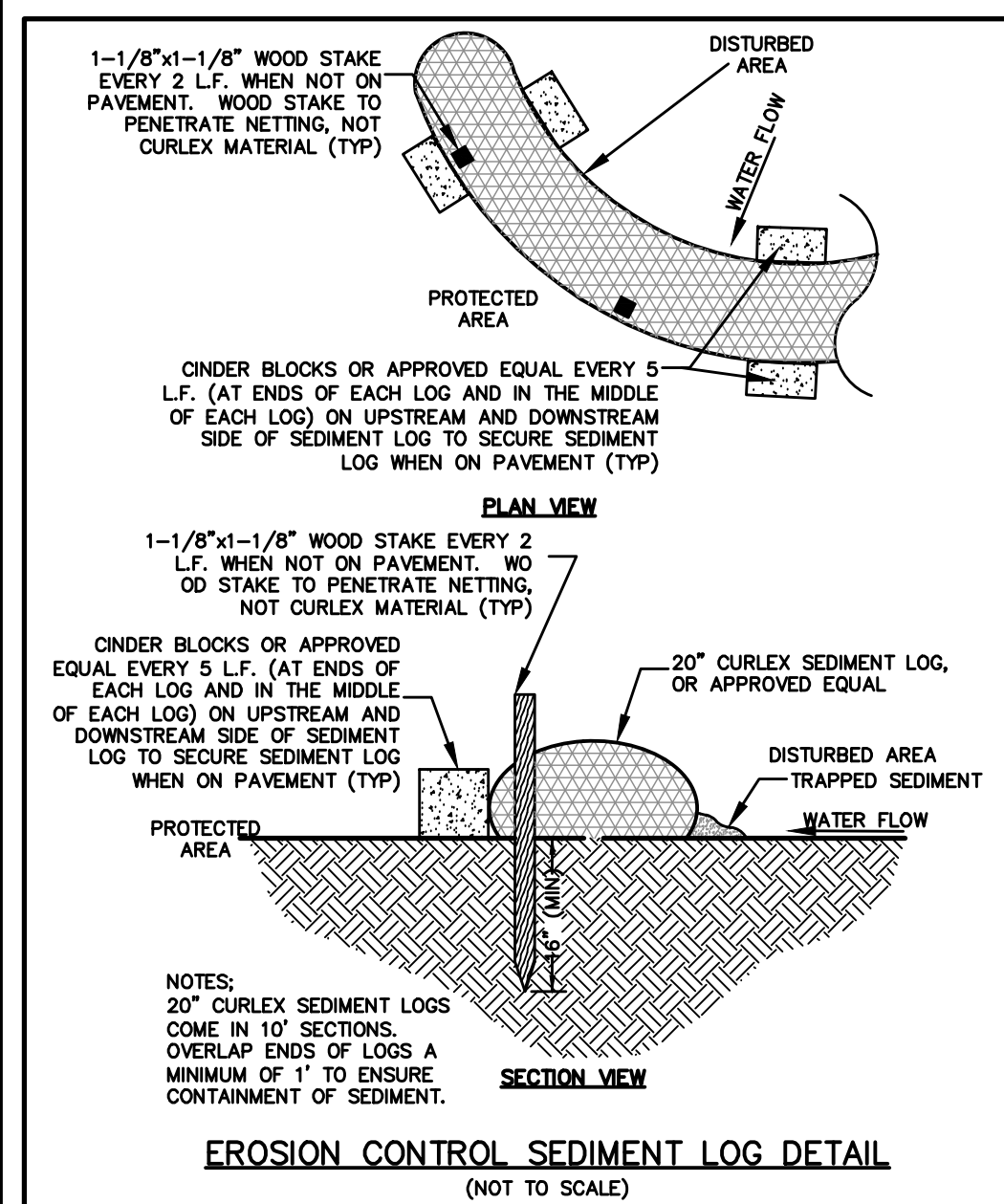
SCALE
SCALE 1" = 30'
0 15 30 45

NO.	BY	DATE	REVISION
2	BJR	12/13/23	PEER REVIEW/TOWN COMMENTS
1	BJR	11/10/23	PEER REVIEW/TOWN COMMENTS

APPLICANT:
VS UNION SOLAR SMART, LLC
24941 DANA POINT HARBOR
DANA POINT, CA 92629

DEVELOPMENT PLAN
FOR
UPPER UNION SOLAR PROJECT
JUNE 19, 2023
FRANKLIN, MA

FILE: 3328 SITE PLANS-REV2
Sheet 7 of 10
JOB NUMBER 3328.00



EROSION CONTROL NOTES:

- PRIOR TO COMMENCING SITE WORK OR EARTHWORK OPERATIONS, INSTALL EROSION CONTROL BARRIERS AT DOWN GRADIENT LIMITS OF WORK AND AT INTERIM LOCATIONS WITHIN ARRAY AS SHOWN ON THE SITE PLANS TO BE MAINTAINED THROUGHOUT CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
- ALL MATERIALS AND STOCKPILES SHALL BE STORED ON LEVEL AREAS OUTSIDE OF ANY FLOOD ZONES, WETLANDS OR BUFFER ZONE AREAS. ALL STOCKPILES SHALL BE SURROUNDED BY SEDIMENTATION CONTROL DEVICES AND EROSION CONTROL BARRIERS PER PLANS. SHALL HAVE SIDE SLOPES NO GREATER THAN 3:1 AND SHALL BE SEEDED OR STABILIZED IF LEFT UNSTABILIZED FOR TWO WEEKS OR MORE.
- SEDIMENTATION CONTROL DEVICES AND EROSION CONTROL BARRIERS SHALL BE INSPECTED WEEKLY AND MAINTAINED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION AND PROMPTLY AFTER EACH RAINFALL.
- ANY SLOPE STEEPER AND 3:1 SHALL BE EQUIPPED WITH SLOPE STABILIZATION FABRIC OR EROSION CONTROL MATTING.
- ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTITUTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER AND/OR THE TOWN.
- THE CONTRACTOR MUST REPAIR OR RE-SEED ANY AREAS THAT DO NOT DEVELOP WITHIN A PERIOD OF ONE YEAR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- MATERIAL STOCKPILES SHALL NOT BE LOCATED WITHIN THE PATH OF EXISTING OR PROPOSED WATERCOURSES (BOTH TEMPORARY OR PERMANENT) OR THOSE AREAS SUBJECT TO STORM WATER FLOW.
- SEDIMENT CONTROL DEVICES AND EROSION CONTROL BARRIERS MAY BE REMOVED ONLY AFTER THE SITE HAS BEEN STABILIZED.
- ALL DISTURBED OR EXPOSED AREAS SUBJECT TO EROSION, WHICH REMAIN DISTURBED BUT INACTIVE FOR AT LEAST THIRTY DAYS, SHALL RECEIVE TEMPORARY SEEDING IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES. IN ALL CASES, STABILIZATION MEASURES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES.
- EARTHWORK ACTIVITY ON THE SITE SHALL BE DONE IN A MANNER SUCH THAT RUNOFF IS DIRECTED AWAY FROM ADJUTING STRUCTURES, PROPERTY, ETC.
- THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES EXTRA SEDIMENTATION CONTROL DEVICES AND EROSION CONTROL BARRIERS FOR INSTALLATION AT THE DIRECTION OF THE ENGINEERS OR THE TOWN TO MITIGATE ANY EMERGENCY CONTROL.
- REFER TO CONSTRUCTION DETAILS FOR ADDITIONAL EROSION CONTROL MEASURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITING, RELOCATION AND AUGMENTATION OF EROSION CONTROL DEVICES AS THE PROJECT PROGRESSES AND THE SITE DRAINAGE CONDITIONS CHANGE.
- THE CONTRACTOR SHALL MINIMIZE THE AREA OF DISTURBED SOIL. EFFORTS SHALL BE MADE TO LIMIT THE TIME OF EXPOSURE OF DISTURBED AREAS. SEE STABILIZATION DEADLINE SCHEDULE FOR ADDITIONAL INFORMATION.

DUST CONTROL NOTES:

- THE CONTRACTOR SHALL TAKE STEPS TO MINIMIZE THE AMOUNT OF DUST GENERATED ON THE SITE AND ENSURE THE SITE IS IN COMPLIANCE WITH THE DEP AIR POLLUTION CONTROL REGULATIONS 310 CMR 7.09.
- DUST CONTROL MEASURES SHOULD BE IMPLEMENTED AS NEEDED DURING ALL SITE GRADING ACTIVITIES AND PARTICULARLY DURING WINDY CONDITIONS.
- WATER SHALL BE APPLIED UNTIL THE SURFACE IS WET AND REPEAT AS NEEDED. WATER SHALL BE APPLIED AT RATES SO THAT RUNOFF, CHANNELING, OR EROSION DOES NOT OCCUR.
- OTHER POTENTIAL WETTING AND/OR DUST CONTROL AGENTS MAY BE PROPOSED FOR USE BY THE CONTRACTOR AND MUST BE APPROVED BY THE TOWN PRIOR TO USE ON SITE.
- WHEEL AND TRUCK WASHES SHALL BE USED AT SITE EGRESS AS NEEDED.
- ALL TRUCKS LEAVING THE SITE WHICH HAVE BEEN LOADED WITH SOIL OR DUST-PRODUCING MATERIAL SHALL BE TAPPED IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- ALL PAVED SURFACES AND ROADWAYS (WITHIN 500 FEET OF THE SITE) ON WHICH EQUIPMENT AND TRUCK TRAFFIC ENTER AND LEAVE THE CONSTRUCTION AREA SHALL BE SWEEPED AND/OR WATERED AS NEEDED.
- WIND SCREENS, WIND FENCES, SILT FENCE OR SIMILAR BARRIERS SHALL BE IMPLEMENTED AS NEEDED AND PLACED AT INTERVALS OF ABOUT 10 TO 15 TIMES THE BARRIER HEIGHT.
- ALL CLEARING, GRADING, EARTHMOVING, AND EXCAVATING ACTIVITIES SHALL BE SUSPENDED DURING PERIODS OF SUSTAINED STRONG WINDS (HOURLY AVERAGE WIND SPEEDS OF 25 MPH OR GREATER).

STABILIZATION DEADLINES
(IN ACCORDANCE WITH THE EPA 2022 CONSTRUCTION GENERAL PERMIT)

- INITIATE THE INSTALLATION OF STABILIZATION MEASURES IMMEDIATELY IN ANY AREAS OF EXPOSED SOIL WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS; AND
- COMPLETE THE INSTALLATION OF STABILIZATION MEASURES AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE END OF CONSTRUCTION.

CONSTRUCTION NOTES:

- THE PROPERTY LINES AND EXISTING CONDITIONS SHOWN HEREON, ARE COMPILED FROM THE RECORD PLAN (PARCEL A-PLAN NUMBER 624 OF 1995 IN PLAN BOOK 433) AND DEED (BOOK 31678 PAGE 107) AND ARE BASED UPON A FIELD SURVEY BY ATLANTIC DESIGN ENGINEERS, INC.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS SHOWN IN THE PLAN. THE ENGINEER OF ANY DISCREPANCIES THAT MAY BE FOUND IN THE PLAN.
- CONTRACTOR SHALL VERIFY ALL CRITICAL ELEVATIONS AND INVERTS PRIOR TO CONSTRUCTION.
- WHERE AN EXISTING PUBLIC UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED AND THE INFORMATION FURNISHED TO THE UTILITY COMPANY AND OWNER FOR RESOLUTION OF THE CONFLICT.
- SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS SITE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DISAFT, THE TOWN OF FRANKLIN DEPARTMENT OF PUBLIC WORKS, AND ALL UTILITY COMPANIES A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION ACTIVITIES FOR LOCATION OF ALL UNDERGROUND UTILITIES AND UTILITY COMPANY APPROVALS.
- ALL BUILDINGS, SURFACE, AND SUBSURFACE IMPROVEMENTS ON AREAS ADJACENT TO THE SITE ARE NOT NECESSARILY SHOWN HEREON.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR HIS REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES, AND RIM AND INVERTS BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENTS OF ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES WITH THE UTILITY COMPANY, IF NECESSARY. ANY INTERRUPTIONS IN SERVICE ARE NECESSARY TO ADJUSTING PROPERTY OWNERS, A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN.
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND MASSACHUSETTS HIGHWAY DEPARTMENT REQUIREMENTS FOR ALL WORK WITHIN PUBLIC STREETS.
- CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES, INCLUDING WATER TRUCKS THROUGHOUT CONSTRUCTION UNTIL PAVING IS COMPLETED AND ALL SURFACES ARE STABILIZED. DUST CONTROL ACTIVITIES SUCH AS LIGHTING, ANNOUNCED BUILDING POSSESSION, AND THE FINAL CONNECTION OF SERVICES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SURVEY CONTROL POINTS AND BENCHMARKS NECESSARY FOR THE PROPOSED WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED.
- THE CONTRACTOR SHALL INSTITUTE AND MAINTAIN ALL SAFETY MEASURES NECESSARY TO PROTECT THE PUBLIC DURING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, BARRICADES, SIGNS, FLASHING LIGHTS, POLICE DETAIL, AND ANY OTHER MEANS AS DIRECTED BY THE TOWN. NO TRENCHES ARE TO REMAIN OPEN OVERNIGHT.
- THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIAL AND OTHER DEBRIS RESULTING FROM THE WORK. AT THE END OF CONSTRUCTION THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIALS FROM THE SITE. A THOROUGH INSPECTION OF THE WORK PERFORMED IS TO BE CONDUCTED AND ALL DISCARDED MATERIALS, BLOWN OR WATER CARRIED DEBRIS, SHALL BE COLLECTED AND REMOVED FROM THE SITE.
- ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPROVED PERMITS AND WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES AND REGULATIONS.
- CONTRACTOR TO DESIGNATE A SPECIFIC AREA FOR COMBUSTIBLE MATERIALS, APPROVED BY THE FIRE DEPARTMENT, SO THAT COMBUSTIBLES ARE NOT STAGED THROUGHOUT THE CONSTRUCTION SITE.
- EXISTING TOP SOIL IS TO BE RETAINED, STOCKPILED AND SCREENED FOR RE-USE.

CONSTRUCTION PERIOD STORMWATER OPERATION AND MAINTENANCE:

CONSTRUCTION ENTRANCE/TRACKING PAD:
THE CONSTRUCTION ENTRANCE TRACKING PADS SHOULD BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF SEDIMENT INTO THE PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE THE CONSTRUCTION OF TOPOSSING WITH ADDITIONAL STONE. THE ENTRANCE PAD AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE END OF CONSTRUCTION. WHEN MUO AND SOIL PARTICLES CLOG THE Voids IN THE STONE, THE PAD SHOULD BE TOP DRESSED WITH NEW STONE OR REPLACED COMPLETELY.

EROSION CONTROL BARRIERS:
EROSION CONTROL BARRIERS (HAY BALES, SILT FENCE, ETC.) SHOULD BE INSPECTED IMMEDIATELY AFTER EACH RUN-OFF PRODUCING RAINFALL EVENT (>0.25 INCHES PER 2022 CGP) AND AT LEAST DAILY DURING PROLONGED RAINFALL. ADDITIONAL INSPECTIONS SHOULD BE SCHEDULED DURING THE FIRST FEW MONTHS TO ENSURE THAT THE VEGETATION IN THE CHANNELS IS ESTABLISHED ADEQUATELY. ACCUMULATED SEDIMENT SHALL BE REMOVED AS NECESSARY TO EXCEEDS 0.5' IN DEPTH. SWALES SHALL BE MOVED AS NECESSARY TO BE REMOVED FROM SWALES AND AREAS IMMEDIATELY UP-GRADIENT AND PROPERLY DISPOSED OF.

DEEP SUMP HOODED CATCH BASINS:
INSPECT MONTHLY (MINIMUM), OR AFTER MAJOR STORM EVENTS (>0.25" PER CGP) DURING CONSTRUCTION FOR CLOGGED GRATES OR EXCESSIVE ACCUMULATION OF SEDIMENT, SAND, OR TRASH. CLEAN SUMPS WHEN SEDIMENT REACHES 24" DEPTH. THE CATCH BASIN SHOULD BE INSPECTED FOUR TIMES A YEAR. ALL CATCH BASINS SHALL BE PROVIDED WITH PRE-MANUFACTURED "SILT-BAG" CATCH BASIN INLET SEDIMENT COLLECTION SYSTEMS UNTIL BASE COURSE IS IN PLACE.

CATCH BASIN INLET PROTECTION ("SILT-SACKS"):
ALL CATCH BASINS SHALL BE PROVIDED WITH INLET PROTECTION CONSISTING OF PRE-MANUFACTURED "SILT-SACKS" CATCH BASIN INLET SEDIMENT COLLECTION SYSTEMS UNTIL PAVEMENT BASE COURSE IS IN PLACE AND THE CONTRIBUTING DRAINAGE AREA TO THE INLET IS STABILIZED. INSPECT THE INLET PROTECTION DEVICE WEEKLY AT A MINIMUM, AND AFTER MAJOR STORM EVENTS (>0.25" PER CGP) THROUGHOUT CONSTRUCTION. REPAIRS ARE TO BE MADE AS REQUIRED AND SEDIMENT MUST BE REMOVED WHEN THE LEVEL OF DECOMPOSITION REACHES THE REMOVAL DEPTH PER MANUFACTURER SPECIFICATIONS.

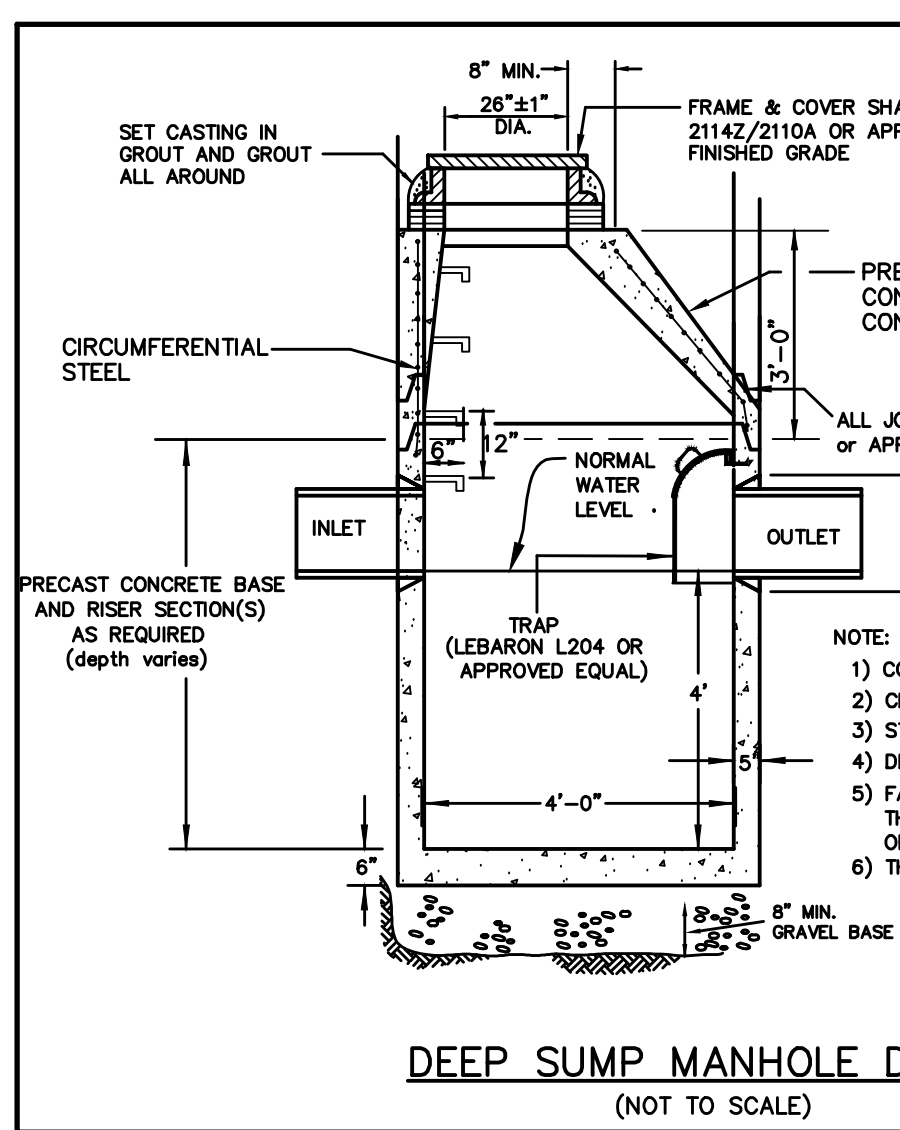
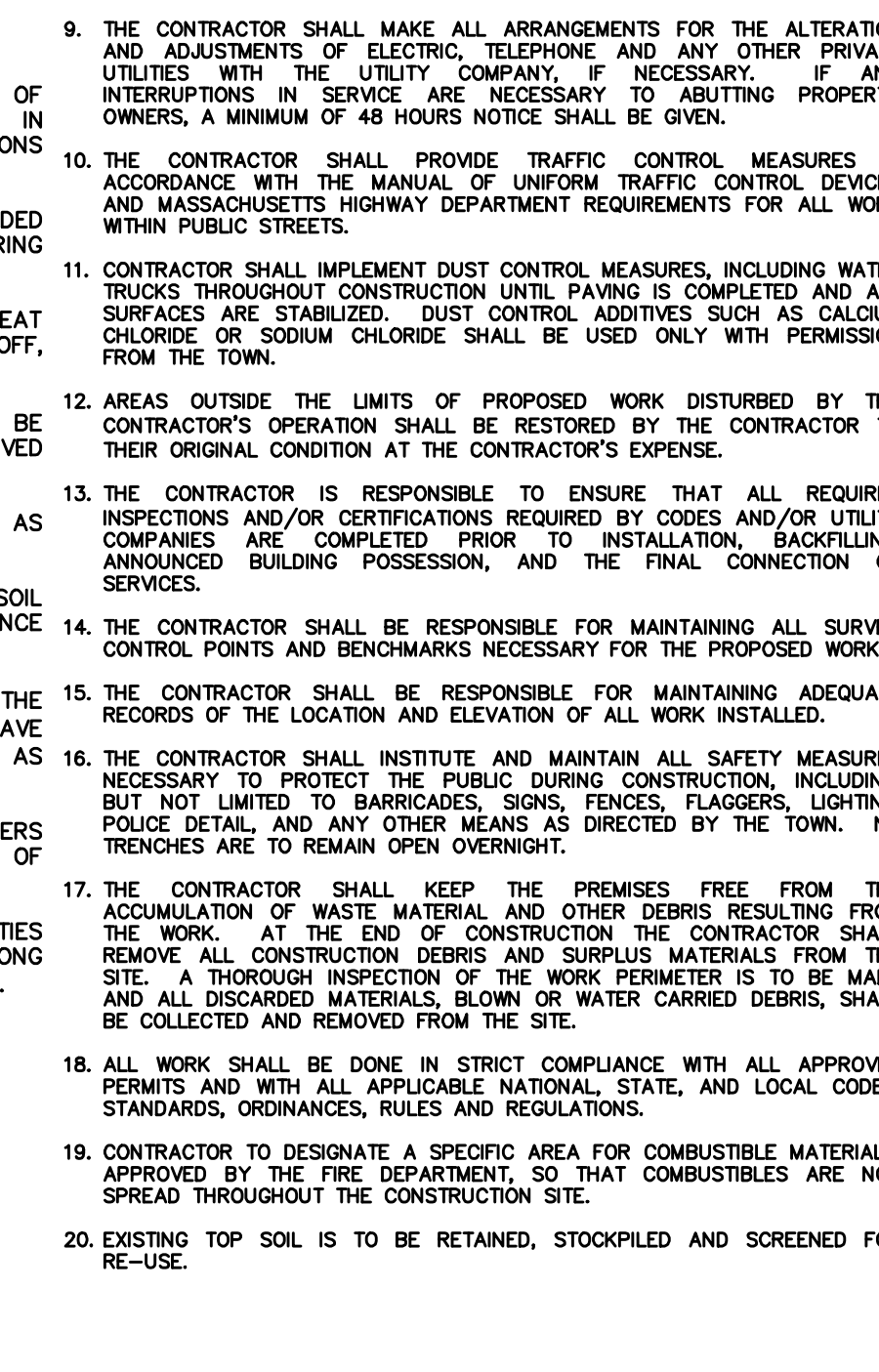
STONE INFILTRATION TRENCH:
INSPECT AFTER EVERY MAJOR STORM EVENT (0.25" PER CGP) DURING CONSTRUCTION. ONCE THE SITE IS STABILIZED AND RE-VEGETATED, CUT AWAY REMOVE TEMPORARY COVER FOLD AND INSPECT TO ENSURE PROPER STABILIZATION AND FUNCTION. REMOVE ANY SEDIMENT THAT ACCUMULATED DURING CONSTRUCTION.

SUB-SURFACE INFILTRATION SYSTEM:
INSPECT AFTER EVERY MAJOR STORM EVENT (>0.25 INCHES PER 2022 CGP) DURING CONSTRUCTION TO ENSURE THE SYSTEM IS PROPERLY OPERATING. CHECK FOR ACCUMULATION OF SEDIMENT AND PONDING WATER. IF PONDING WATER IS VISIBLE INSIDE THE SYSTEM FOR SEVERAL DAYS AFTER A STORM EVENT, NOTIFY THE ENGINEER FOR POSSIBLE REMEDIAL MEASURES. REMOVE SEDIMENT AS NECESSARY DURING CONSTRUCTION, WHILE THE SYSTEM IS DRY.

DETENTION BASINS:
INSPECT AFTER EVERY MAJOR STORM EVENT (>0.25" PER 2022 CGP) DURING CONSTRUCTION TO ENSURE PROPER STABILIZATION AND FUNCTION. EXAMINE THE OUTLET STRUCTURE OR OUTLET PIPES FOR EVIDENCE OF CLOGGING OR EXCESSIVE OUTLET VELOCITIES. CHECK FOR ACCUMULATION OF SEDIMENT AND PONDING OF WATER. IF PONDING WATER ABOVE THE OUTLET PIPES IS VISIBLE INSIDE THE BASIN FOR SEVERAL DAYS AFTER A STORM EVENT, NOTIFY THE ENGINEER FOR POSSIBLE REMEDIAL MEASURES. MOVE THE BERM AT THE COMPLETION OF THE CONSTRUCTION PERIOD. REMOVE SEDIMENT WHILE THE SYSTEM IS DRY.

NOTES:

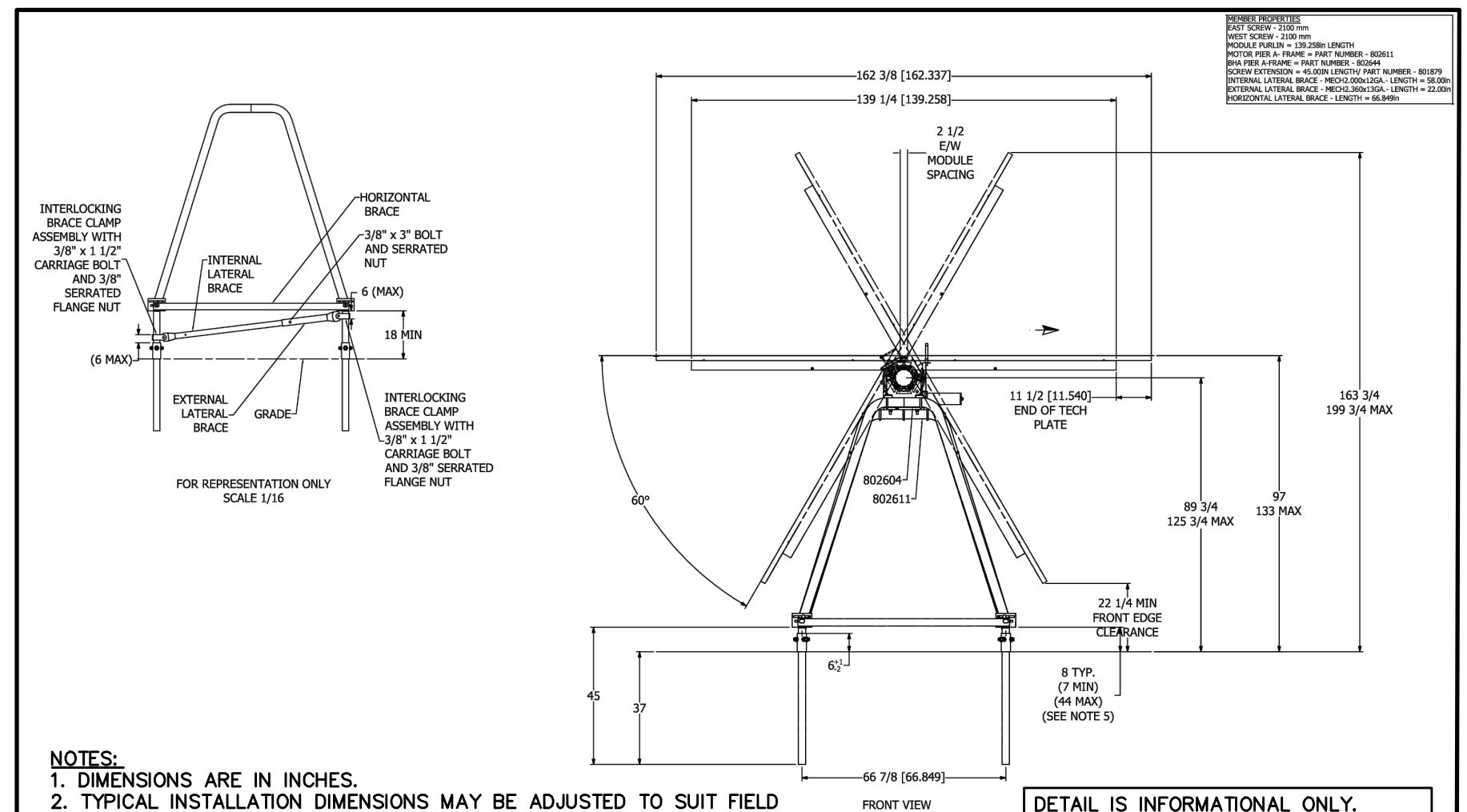
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL STORMWATER AND EROSION CONTROL FACILITIES UNTIL THE PROJECT CONSTRUCTION IS COMPLETED. THE CONTRACTOR SHALL CLEAN ALL COMPONENTS OF THE STORMWATER MANAGEMENT SYSTEM AT THE COMPLETION OF CONSTRUCTION, IMMEDIATELY PRIOR TO TURNING OVER OPERATION AND MAINTENANCE RESPONSIBILITY TO THE PROJECT PROPONENT.
- UPON COMPLETION OF CONSTRUCTION, THE OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE STORMWATER MANAGEMENT SYSTEM WILL BE THE RESPONSIBILITY OF THE SYSTEM OWNER.
VS UNION SOLAR SMART, LLC
24941 DANA POINT HARBOR
DANA POINT, CA 92629
- DISPOSAL OF ACCUMULATED SEDIMENT AND HYDROCARBONS TO BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND REGULATIONS.
- THERE SHALL BE NO ILLICIT DISCHARGE OF ANY WASTE OR WASTE WATER INTO THE STORMWATER MANAGEMENT SYSTEM. THE MAINTENANCE OF THE FACILITY SHALL BE UNDERTAKEN IN SUCH A MANNER AS TO PREVENT ANY DISCHARGE OF WASTE OR WASTE WATER INTO STORMWATER MANAGEMENT SYSTEM. ANY WASTE OR OTHER WASTE PRODUCTS GENERATED DURING MAINTENANCE SHALL BE PROPERLY DISPOSED OF OFF-SITE.



CONSTRUCTION SEQUENCE

IN CONJUNCTION WITH ANY SEQUENCE TO BE PROVIDED WITHIN A SEPARATE POSITION PRELIMINARY PLAN (SWPPP) THE GENERAL SEQUENCE OF CONSTRUCTION FOR THE SITE WORK IS AS FOLLOWS:

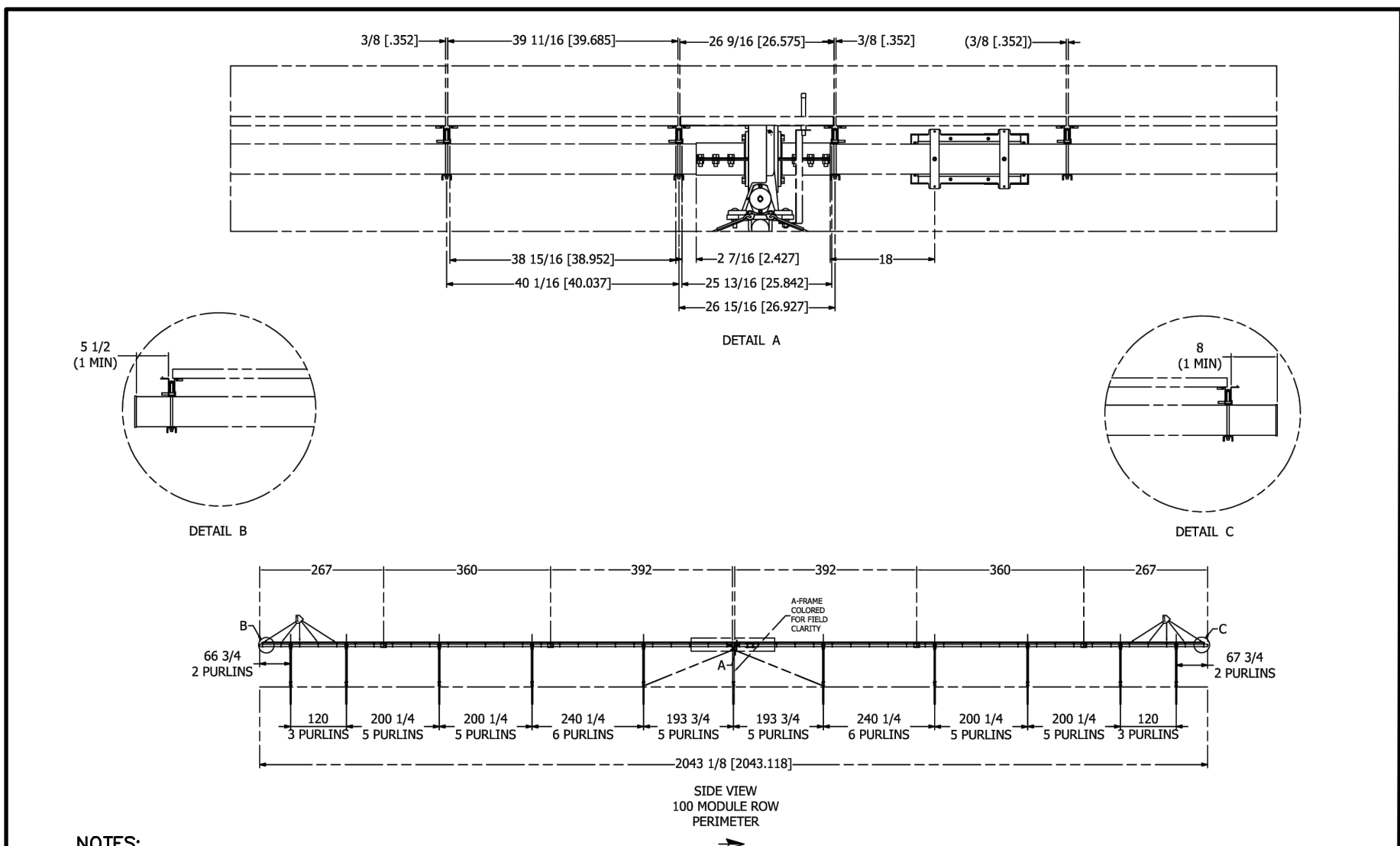
- STAKE LIMIT OF WORK/CLEARING TO DEFINE THE LIMIT OF WORK FOR THE ACCESS ROADS, SOLAR FIELD, UNDERGROUND UTILITY LINES, AND STORMWATER FACILITIES.
- NOTIFY DIG-SAFE TO DEMARCATTE ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- INSTALL EROSION CONTROL BARRIERS AT DOWN GRADIENT LIMITS OF WORK AND AT INTERIM LOCATIONS WITHIN ARRAY AS SHOWN ON THE SITE PLANS.
- BEGIN CLEARING AND CHIPPING OF VEGETATION. A TEMPORARY ACCESS ROAD WILL BE CLEARED/INSTALLED TO ACCESS PROPOSED BASIN LOCATIONS. CLEARING WILL BE LIMITED TO MANAGEABLE AREAS WHILE TEMPORARY SEDIMENT BASINS ARE INSTALLED TO PREVENT SILTATION OF PERMANENT STORMWATER BASINS.
- STOCKPILE WOOD CHIPS AS NEEDED IN PILES FOR FURTHER USE IN EROSION CONTROL AND SOIL STABILIZATION.
- AT THE END OF EACH DAY OF CLEARING OPERATIONS, WALK SITE PERIMETER TO REPAIR ANY DAMAGED EROSION CONTROLS OR PERFORM ANY NECESSARY MAINTENANCE.
- AT THE END OF EACH DAY, INSPECT ALL TEMPORARY STORMWATER FACILITIES AND REPAIR ANY DAMAGE AND PERFORM ANY NECESSARY MAINTENANCE.
- INSTALL CONSTRUCTION ENTRANCE PAD AND SUBSURFACE DRAINAGE SYSTEM AS SHOWN ON THE SITE PLANS. MAINTAIN SILT BAG IN PLACE TO PREVENT SILTATION OF THE UNDERGROUND CHAMBER DURING CONSTRUCTION.
- COMPLETE FINAL GRADING OF STORMWATER SWALES, WETLAND REPLACEMENT AREAS AND STORMWATER BASINS.
- INSTALL CHECK DAMS AND RIP-RAP APRONS/SPILLWAYS.
- STABILIZE ALL STORMWATER FACILITIES AND SLOPES WITH LOAM AND SEED AND EROSION CONTROL MEASURES AS REQUIRED.
- INSTALL AND COMPACT GRAVEL ACCESS ROAD AND INTERIOR SITE ACCESS ROADS.
- PREPARE CONTRACTOR STAGING/LAYDOWN AREA FOR TEMPORARY PARKING, STORAGE, WHEEL WASH AREA, CONCRETE WASH-OUT, AND MOBILE FUELING AREAS.
- STUMPS ARE TO BE GROUND WHERE NECESSARY AND USED FOR WOOD CHIP BERMS.
- GRADING ACTIVITIES SHOULD BE AVOIDED DURING EXTREMELY WET CONDITIONS TO MINIMIZE SOIL COMPACTION, DEEP RUTTING, AND SOIL SHEARING.
- IF NECESSARY, PROVIDE TEMPORARY PROTECTIVE MEASURES, WHICH MAY INCLUDE BARRIERS AND/OR SILT BAGS UNTIL THE SITE IS STABILIZED AND VEGETATED. INTERMEDIATE EROSION CONTROLS SHOULD BE INSTALLED PRIOR TO THE INSTALLATION OF THE SOLAR ARRAY RACKING SYSTEM.
- USE DISKS, TILLERS, OR HARROWS TO BREAK UP THE SURFACE WHERE SOIL HAS BECOME COMPACTED DURING CONSTRUCTION ACTIVITIES IN ORDER TO CREATE VIABLE SEED BEDS.
- INITIATE THE INSTALLATION OF STABILIZATION MEASURES IMMEDIATELY IN ANY AREAS OF EXPOSED SOIL MORE THAN FIVE ACRES WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. COMPLETE THE INSTALLATION OF MEASURES AS SOON AS PRACTICABLE, BUT NO LATER THAN (7) CALENDAR DAYS AFTER STABILIZATION HAS BEEN INITIATED. OATS WILL BE USED FOR A SPRING OR SUMMER SEEDING. WINTER WHEAT FOR A FALL SEEDING. THIS COVER CROP WILL ESTABLISH QUICKLY, PROVIDING ADDITIONAL EROSION CONTROL THROUGHOUT CONSTRUCTION, ALONG WITH PROTECTION OF FINAL NATIVE VEGETATION DURING ITS ESTABLISHMENT PERIOD.
- WORK INVOLVING FOUNDATION PILE DRIVING AND TRENCHING SHALL BE STAGED TO CONCENTRATE WORK IN PHASES, TO REDUCE SITE DISTURBANCE. SEED AND MULCH ANY DISTURBED AREAS AS THEY ARE COMPLETED.
- ONCE SITE CONSTRUCTION IS COMPLETE, PERMANENT SEEDING WILL BE APPLIED BY BROADCASTING. NO EARTH WILL BE REMOVED FROM THE SITE.
- TO ASSURE RAPID STABILIZATION, SUPPLEMENT SEEDING FOR AREAS WHERE COVERAGE IS LESS THAN 70% UNIFORM COVER OF VEGETATION.
- UNLESS DIRECTED OTHERWISE BY THE FRANKLIN CONSERVATION COMMISSION, ONCE THE SITE IS PERMANENTLY STABILIZED AT 70% UNIFORM COVER OF VEGETATION OR MORE, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- STAKE OUT PIER LOCATION FOR RACKING SYSTEM DRIVEN PIERS.
- INSTALL UNDERGROUND UTILITIES (ELECTRIC) IN THE AREA OF THE SOLAR FIELD AND EQUIPMENT PADS LEADING TO THE FIRST CUSTOMER OWNED POLE LOCATION.
- INSTALL SOLAR FIELD ARRAY AND ELECTRICAL FACILITIES ON SITE INCLUDING ABOVE-GROUND UTILITY POLES AND WIRING.
- COMPLETE PAVING AND BERM AT ENTRANCE TO SITE.
- STABILIZE ALL DISTURBED AREAS WITH LOAM AND SEED.
- INSTALL PLANTINGS FOR WETLAND REPLACEMENT AND MITIGATION AREAS AS REQUIRED PER THE GODDARD CONSULTING INC. WETLAND REPLACEMENT PLAN AND HABITAT RESTORATION PLAN.
- AFTER COMPLETION OF CONSTRUCTION THE SITE WILL BE INSPECTED FOR ANY REMAINING DEBRIS AND, IF FOUND, WILL BE CLEANED AND DISPOSED OF OFF-SITE. INSTALL PERIMETER FENCING, SIGNS, AND GATES.



NOTES:
1. DIMENSIONS ARE IN INCHES.
2. TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED.
3. SCREW EXTENSIONS SHALL BE INSTALLED PLUMB, IF MECHANICALLY POSSIBLE MAXIMUM 3" OUT OF PLUMB.
4. LATERAL BRACES ARE DESIGNED TO ALLOW FOR 7" OF TOTAL ADJUSTMENT IN LENGTH. IF FIELD CONDITIONS REQUIRE ADDITIONAL ADJUSTMENT AND LATERAL BRACES ARE TOO LONG, THEY MAY BE CUT DOWN AND DRILLED TO FIT BY THE RACK INSTALLER. IF THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE.
5. ALL SCREW EXTENSIONS REQUIRE A MINIMUM OF 1 INCH EMBEDMENT BELOW GRADE.
6. DIAGONAL BRACING IS REQUIRED IF EITHER OF THE SCREW EXTENSIONS FOR A SINGLE FOUNDATION HAVE MORE THAN 18" OF TUBE MATERIAL ABOVE GRADE.

SINGLE AXIS TRACKING PANEL DETAIL
NOT TO SCALE

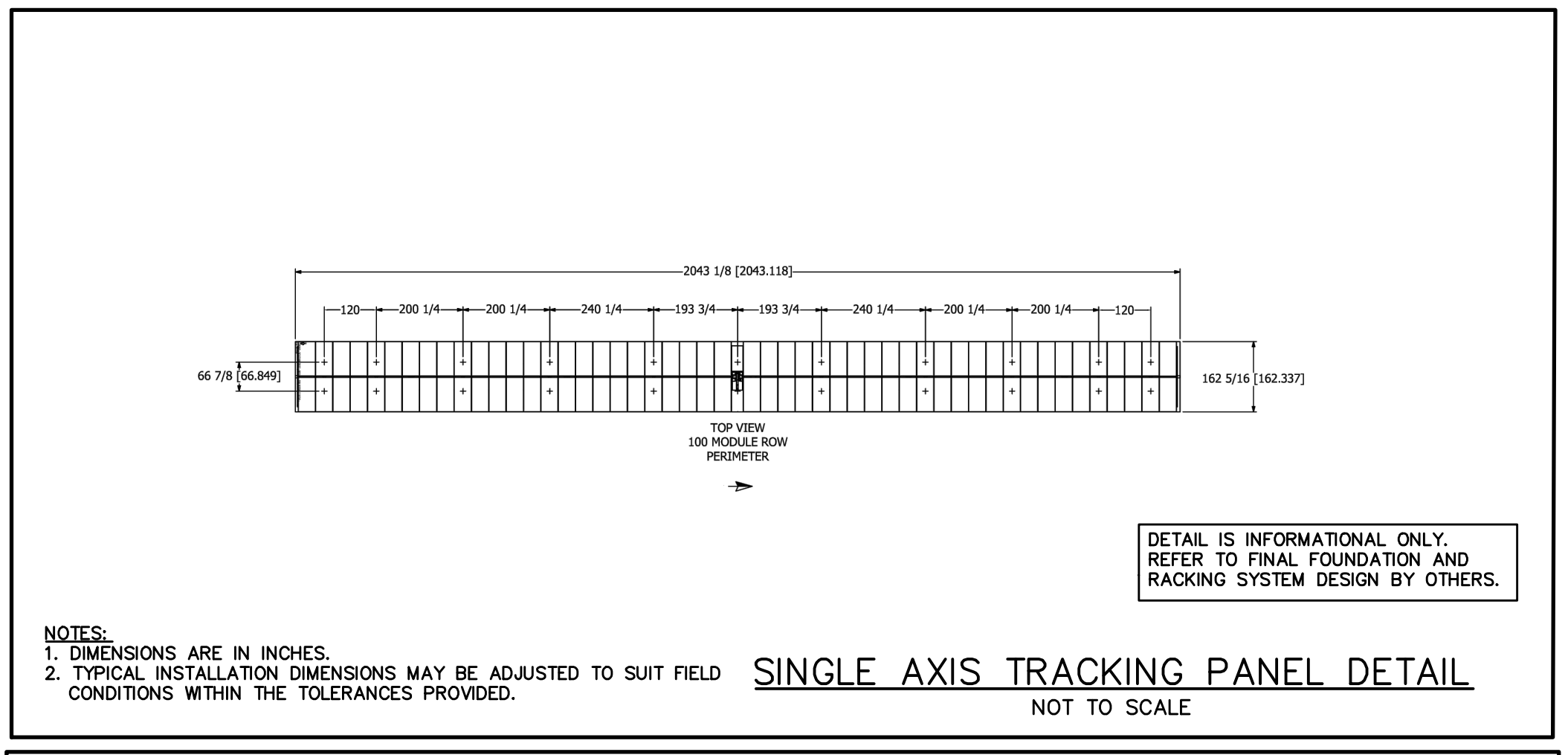
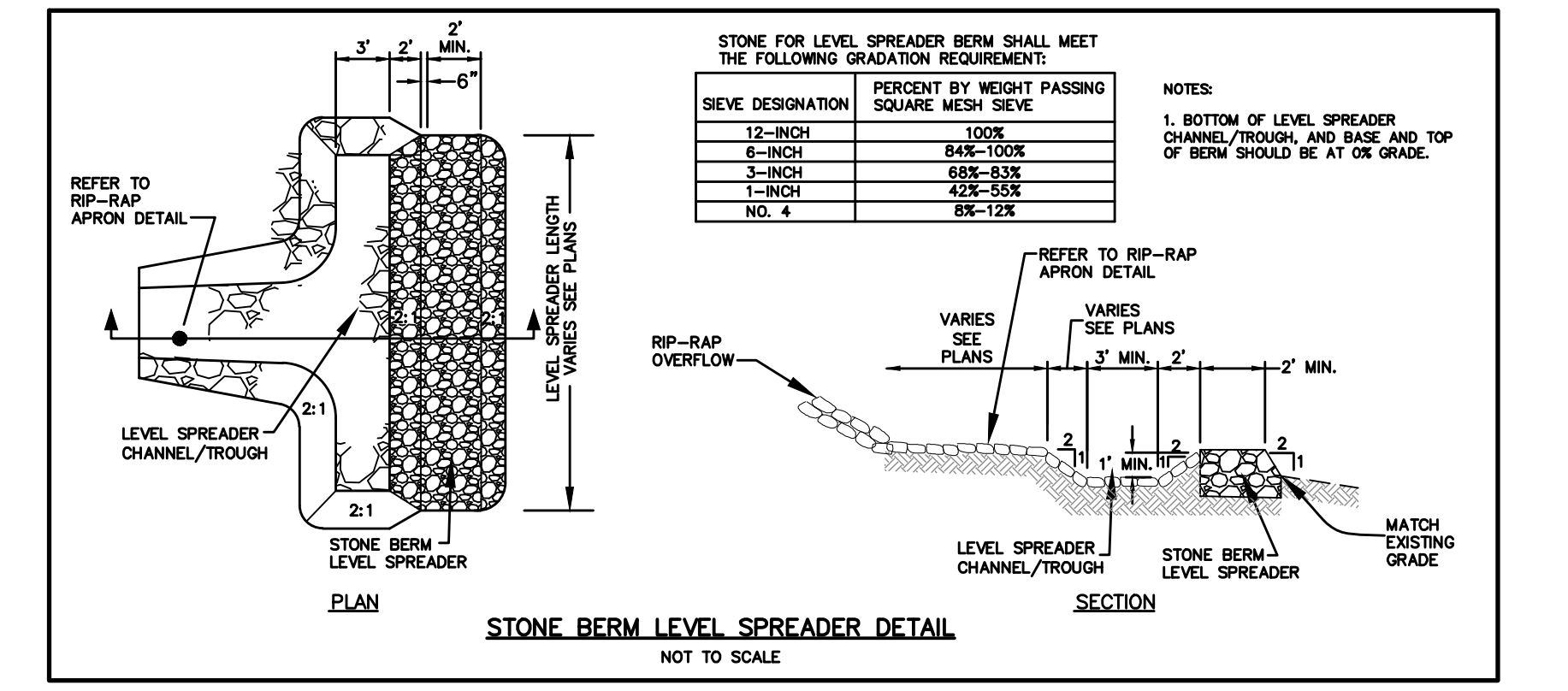
DETAIL IS INFORMATIONAL ONLY. REFER TO FINAL FOUNDATION AND RACKING SYSTEM DESIGN BY OTHERS.



NOTES:
1. DIMENSIONS ARE IN INCHES.
2. PURLIN BRACES INDICATED ARE TO BE 62 INCHES LONG. ALL OTHER BRACES TO BE 14 INCHES.
3. TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED.
4. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009.
5. CROOLED DIMENSIONS ARE VARIABLE BASED ON PROJECT NEEDS AND ONLY REPRESENT A RANGE OF POSSIBLE VALUES.

SINGLE AXIS TRACKING PANEL DETAIL
NOT TO SCALE

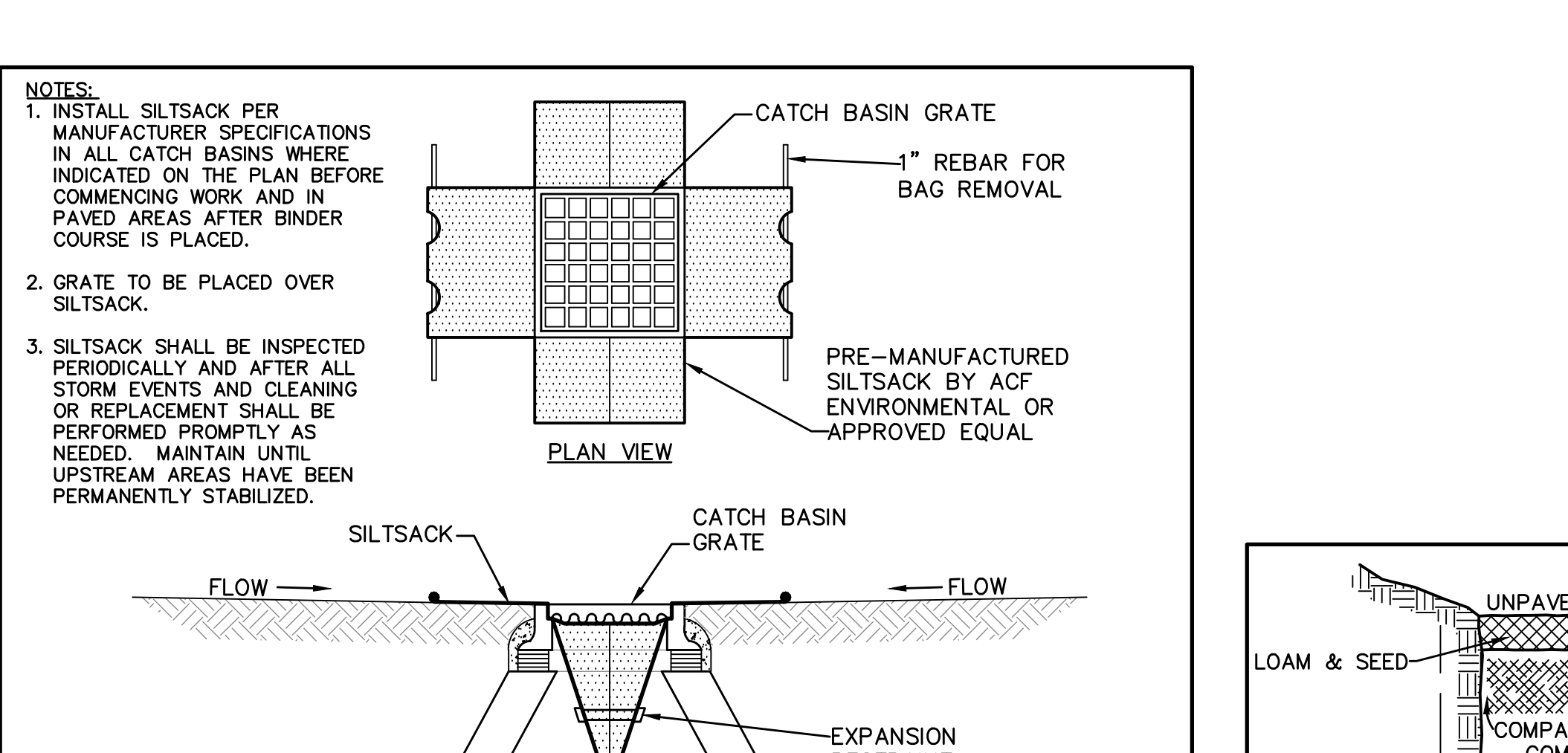
DETAIL IS INFORMATIONAL ONLY. REFER TO FINAL FOUNDATION AND RACKING SYSTEM DESIGN BY OTHERS.



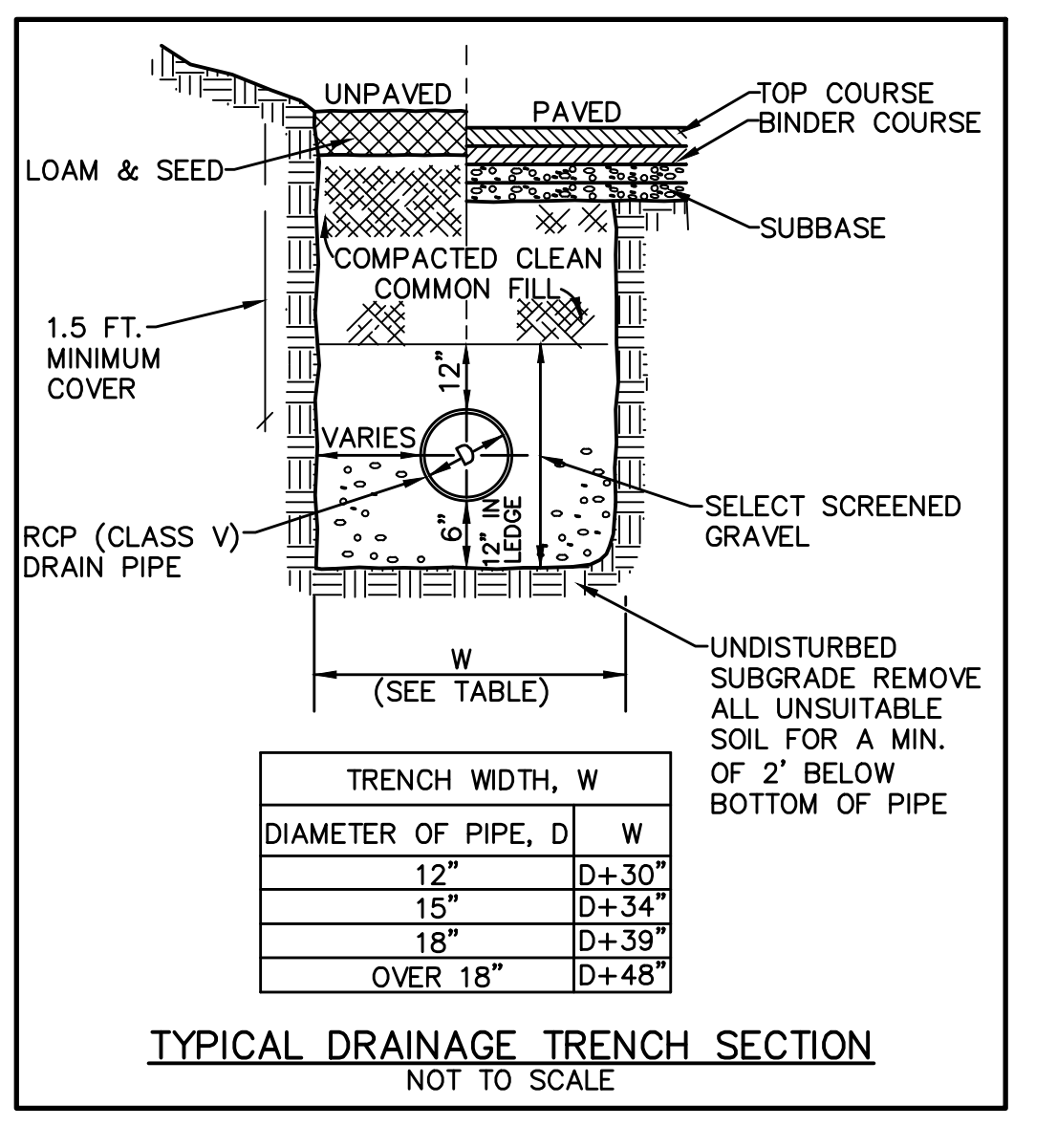
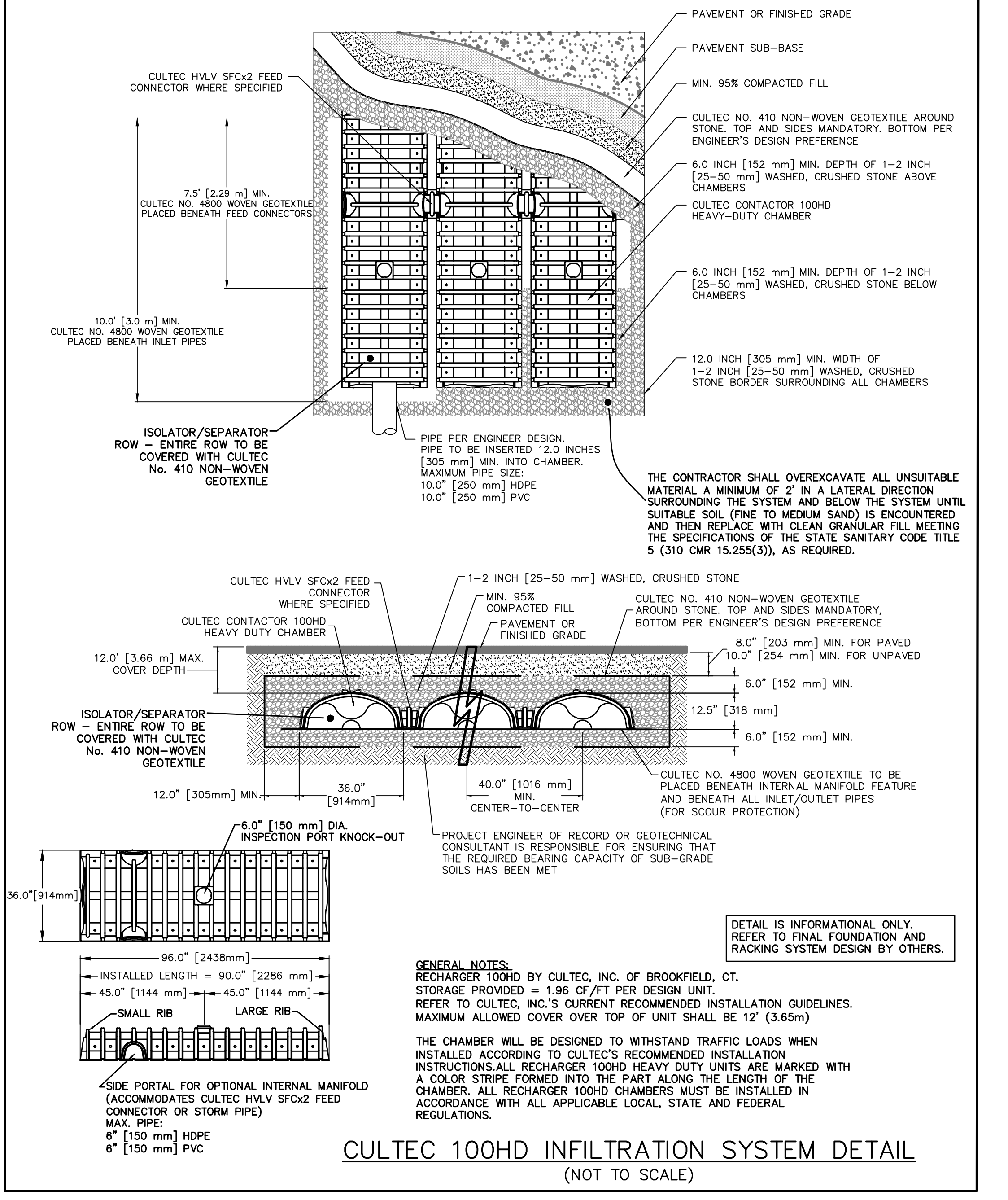
NOTES:
1. DIMENSIONS ARE IN INCHES.
2. TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED.

SINGLE AXIS TRACKING PANEL DETAIL
NOT TO SCALE

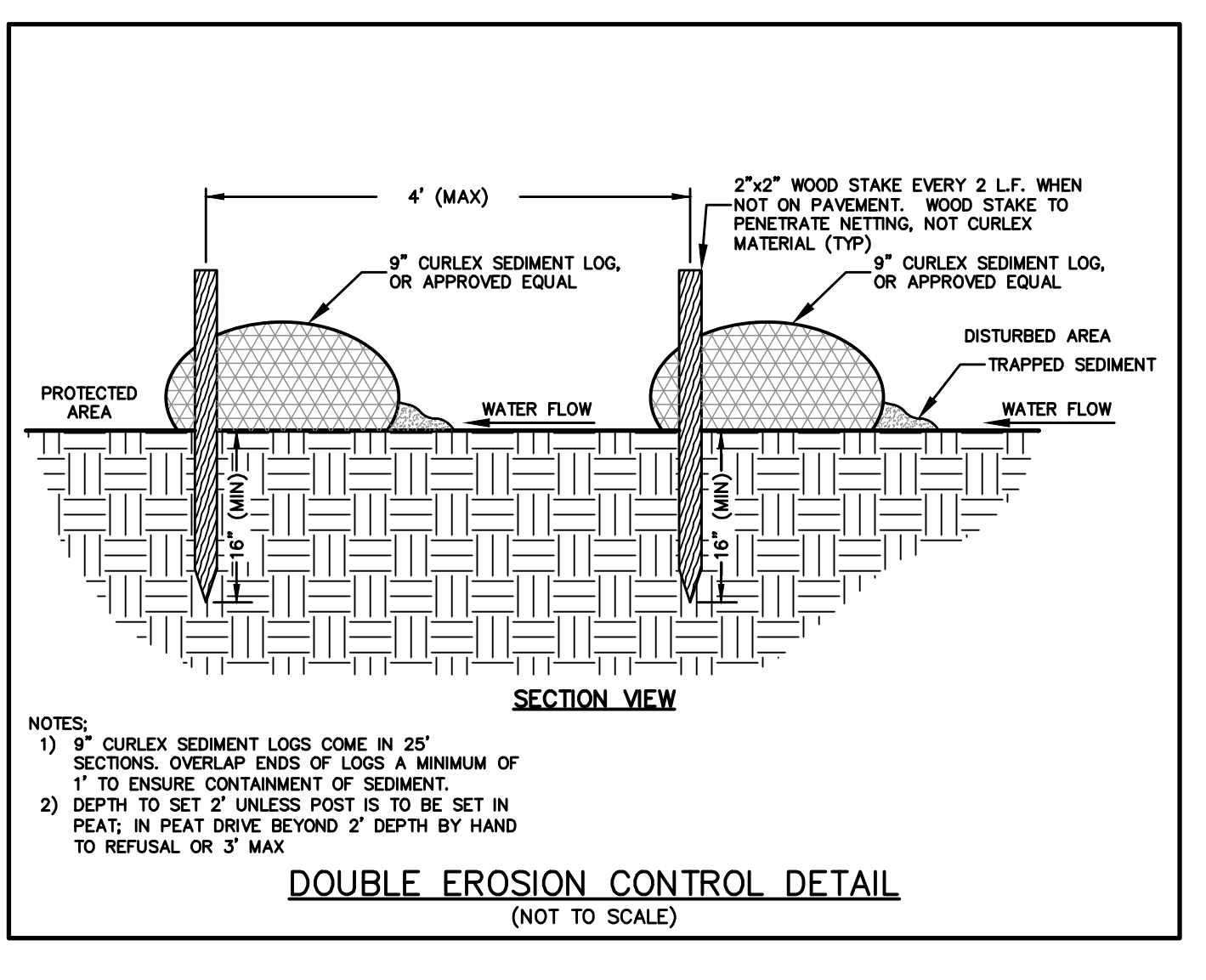
DETAIL IS INFORMATIONAL ONLY. REFER TO FINAL FOUNDATION AND RACKING SYSTEM DESIGN BY OTHERS.



SILTSACK SEDIMENT TRAP DETAIL
(NOT TO SCALE)



TYPICAL DRAINAGE TRENCH SECTION
NOT TO SCALE



DOUBLE EROSION CONTROL DETAIL
(NOT TO SCALE)

TEST PIT #1

Estimated Depth to High Groundwater Mottles @74"

SOIL LOG					
Depth (in)	Soil Horizon/ Layer	Soil Texture	Soil Color (Munsell)	Mottles	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-8	O/A	Sandy Loam	10YR 3/2		
8-34	B	Sandy Loam	10YR 5/6		
34-108	C	Loamy Sand	2.5Y 5/2	74"	

TEST PIT #2

Estimated Depth to High Groundwater Mottles @ 70"

SOIL LOG					
Depth (in)	Soil Horizon/ Layer	Soil Texture	Soil Color (Munsell)	Mottles	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-8	O/A	Sandy Loam	10YR 3/2		
8-32	B	Sandy Loam	10YR 5/6		
32-94	C	Loamy Sand	2.5Y 5/2	70"	Refusal

TEST PIT #3

Estimated Depth to High Groundwater Mottles @60"

SOIL LOG					
Depth (in)	Soil Horizon/ Layer	Soil Texture	Soil Color (Munsell)	Mottles	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-12	O/A	Sandy Loam	10YR 3/2		
12-38	B	Sandy Loam	10YR 5/6		
38-56	C1	Loamy Sand	2.5Y 5/2		
56-74	C2d	Sandy Loam	2.5Y 5/3	60"	
74-122	C3	Coarse Sand	2.5Y 5/4		

TEST PIT #4

Estimated Depth to High Groundwater Mottles @50"

SOIL LOG					
Depth (in)	Soil Horizon/ Layer	Soil Texture	Soil Color (Munsell)	Mottles	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-10	O/A	Sandy Loam	10YR 3/2		
10-32	B	Sandy Loam	10YR 5/8		
32-76	C	Loamy Sand	2.5Y 5/6	50"	

TEST PIT #5

Estimated Depth to High Groundwater Mottles @40"

SOIL LOG					
Depth (in)	Soil Horizon/ Layer	Soil Texture	Soil Color (Munsell)	Mottles	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-8	O/A	Sandy Loam	10YR 3/2		
8-34	B	Sandy Loam	10YR 5/8		
34-84	C	Loamy Sand	2.5Y 5/6	40"	Refusal

