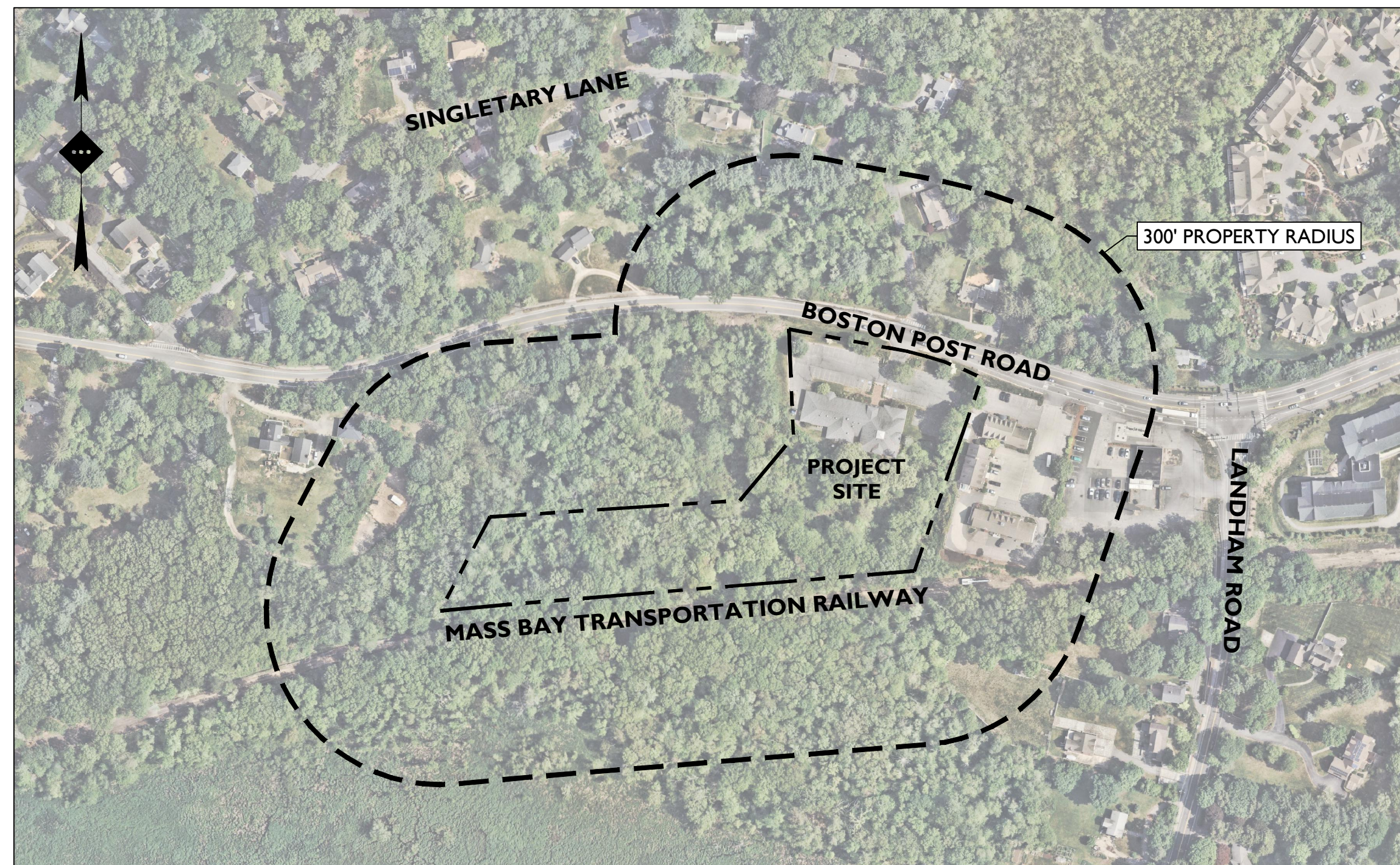


SOURCE: USGS QUADRANGLE MAP 7.5 SERIES MAYNARD & FRAMINGHAM, MA, DATED 2021

LOCATION / KEY MAP

SCALE: 1" = 1,000'±



SOURCE: NEARMAP RETRIEVED AUGUST 25, 2023

AERIAL MAP

SCALE: 1" = 200'±

PLAN REFERENCE MATERIALS:

- THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO:
 - SURVEY PREPARED BY HANCOCK ASSOCIATES DATED AUGUST 01, 2023
 - ARCHITECTURAL PLANS PREPARED BY ADA ARCHITECTS, DATED DECEMBER 8, 2023
 - AERIAL MAP OBTAINED FROM NEARMAP RETRIEVED, AUGUST 25, 2023
 - TAX AND ZONING MAP FROM THE TOWN OF SUDBURY, MASSACHUSETTS GIS, RETRIEVED AUGUST 28, 2023
 - LOCATION MAP OBTAINED FROM USGS QUADRANGLE MAP 7.5 SERIES MAYNARD & FRAMINGHAM, MA, DATED 2021
 - SEPTIC DESIGN PLAN PREPARED BY GRADY CONSULTING, LLC, DATED SEPTEMBER 26, 2023
 - SOIL SUITABILITY ASSESSMENT LOGS, PREPARED BY GRADY CONSULTING, LLC., DATED AUGUST 1, 2023
 - PLAN OF PROPOSED GRASS SWALE IN SUDBURY, MASSACHUSETTS, PREPARED BY CENTRAL MASS. ENG. & SURVEY, INC., DATED MAY 8, 1998.
- ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

PLANS PREPARED BY:



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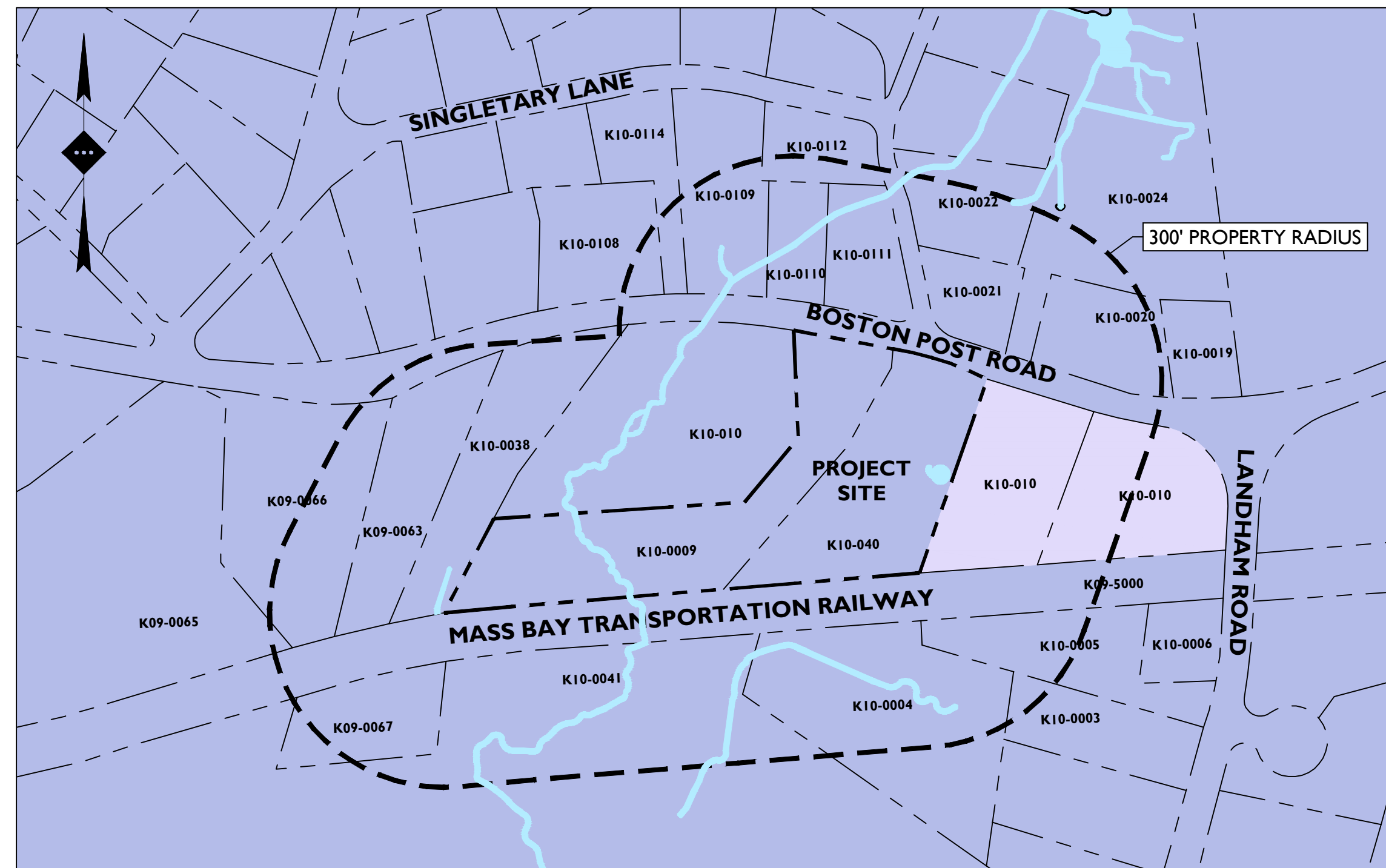
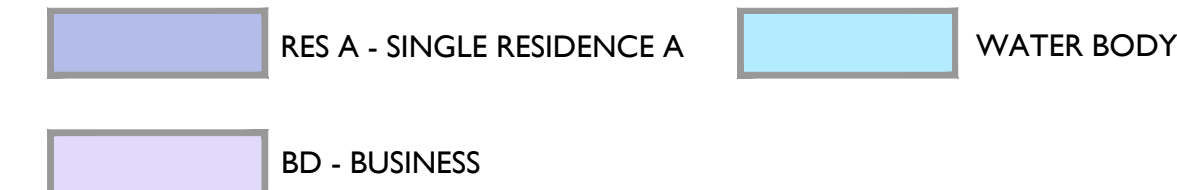
LAND DEVELOPMENT PLANS FOR PRIMROSE SCHOOL FRANCHISING COMPANY PROPOSED CHILD DAY CARE FACILITY

PARCEL ID: K10-0009 & K10-0040
225 BOSTON POST ROAD
TOWN OF SUDBURY, MIDDLESEX COUNTY, MASSACHUSETTS



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ZONING LEGEND



SOURCE: TOWN OF SUDBURY GIS MAPPING, RETRIEVED AUGUST 28, 2023

TAX AND ZONING MAP

SCALE: 1" = 200'±

TOWN OF SUDBURY 300' PROPERTY OWNERS LIST		
PARCEL ID	OWNER	OWNER'S ADDRESS
K09-0063	GEISINGER ELIZABETH	86 WALNUT ST, NATICK, MA, 01760
K09-0066	GEISINGER ELIZABETH	86 WALNUT ST, NATICK, MA, 01760
K09-0067	MASS BAY TRANSPORTATION AUTH	10 PARK PLACE, BOSTON, MA, 02110
K10-0004	SAFAR GASTON	132 NEWBURY ST, BOSTON, MA, 02116
K10-0005	HAN XU	271 LANDHAM ROAD, SUDBURY, MA, 01776
K10-0008	JACOB & ASSOCIATES INC	1232 WASHINGTON ST, WEST NEWTON, MA, 02465
K10-0010	BROOKSIDE CUSTOM HOMES INC	416 BOSTON POST RD, SUDBURY, MA, 01776
K10-0020	BENDORIS K EILEEN TRS	214 BOSTON POST RD, SUDBURY, MA, 01776
K10-0021	MCKEOWN ADAM & MOLLY	222 BOSTON POST RD, SUDBURY, MA, 01776
K10-0022	DELPIZZO PAUL & MARY TRUSTEES	8 GREENHILL RD, SUDBURY, MA, 01776
K10-0024	OLSEN FAMILY	P.O. BOX 2050, LECANTO, FL, 34460
K10-0038	GEISINGER ELIZABETH	86 WALNUT ST, NATICK, MA, 01760
K10-0041	TOWN OF SUDBURY	278 OLD SUDBURY ROAD, SUDBURY, MA, 01776
K10-0007-0-1A	EMMA LOU LLC	1 GLEN PINES WAY, MILLIS, MA, 02054
K10-0007-0-1B	HOWARD FARM LLC	6 HOWARD FARM RD, SHARON, MA, 02067
K10-0007-0-1C	ORR CHARLES W & CAROLINA TRS	365 BOSTON POST RD 138, SUDBURY, MA, 01776
K10-0007-0-2B	MICHEL'S KARL H & HILDEGARD M	215 BOSTON POST RD, SUDBURY, MA, 01776
K10-0007-0-2C	ORR CHARLES W & CAROLINA TRS	365 BOSTON POST RD 138, SUDBURY, MA, 01776
K10-0109	LUCCENTE DIANE E	17 SINGLETARY LN, SUDBURY, MA, 01776
K10-0110	GEORGE PETER	169 PORTSMOUTH ST UNIT 114, CONCORD, NH, 03301
K10-0111	GEORGE PETER	169 PORTSMOUTH ST UNIT 114, CONCORD, NH, 03301
K10-0114	LARSON DAVID E & HEATHER J TRS	25 SINGLETARY LN, SUDBURY, MA, 01776
K09-5000	MASS BAY TRANSPORTATION	10 PARK PLAZA, BOSTON, MA, 02116
K09-0065	BAZILE CASTERA	275 BOSTON POST RD, SUDBURY, MA 01776
K10-0003	SAFAR GASTON	132 NEWBURY ST, BOSTON, MA 02116
K10-0108	KIRBY RUSSELL P & CAROL A	244 BOSTON POST RD, SUDBURY, MA 01776
K10-0112	RUE NICHOLAS & CYNTHIA V	5 SINGLETARY LN, SUDBURY, MA 01776

APPLICANT
PRIMROSE SCHOOL FRANCHISING COMPANY
21 CONKLIN LANE
WARREN, NJ 07059
MTAYLOR@PRIMROSESCHOOLS.COM

OWNER
CONGREGATION B'NAI TORAH INC
PO BOX 273
SUDBURY, MA 01776

ISSUE	DATE	BY	DESCRIPTION
3	06/04/2024	KLO	FOR PLANNING BOARD RESUBMISSION
2	04/01/2024	AB	FOR CONSERVATION COMMISSION SUBMISSION
1	12/08/2023	AB	FOR PLANNING BOARD SUBMISSION

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LAND DEVELOPMENT PLANS
ADA ARCHITECTS
PROPOSED PRIMROSE SCHOOL
CHILD CARE CENTER



PARCEL ID: K10-0009 & K10-0040
225 BOSTON POST ROAD
THE TOWN OF SUDBURY
MIDDLESEX COUNTY, MASSACHUSETTS

JOSHUA H. KLINE, P.E.
MASSACHUSETTS LICENSE No. 53936
LICENSED PROFESSIONAL ENGINEER

STONEFIELD
engineering & design

SCALE: AS SHOWN PROJECT ID: BOS-230051

TITLE:
COVER SHEET

DRAWING:
C-1

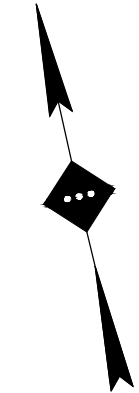
TOWN OF SUDBURY SIGNATURE BLOCK	
BUILDING INSPECTOR	DATE
DIRECTOR OF PUBLIC WORKS	DATE
TOWN ENGINEER	DATE
TOWN PLANNER	DATE

PLANNING BOARD SIGNATURE BLOCK	
CHAIR	DATE
VICE CHAIR	DATE
MEMBER	DATE
MEMBER	DATE
MEMBER	DATE

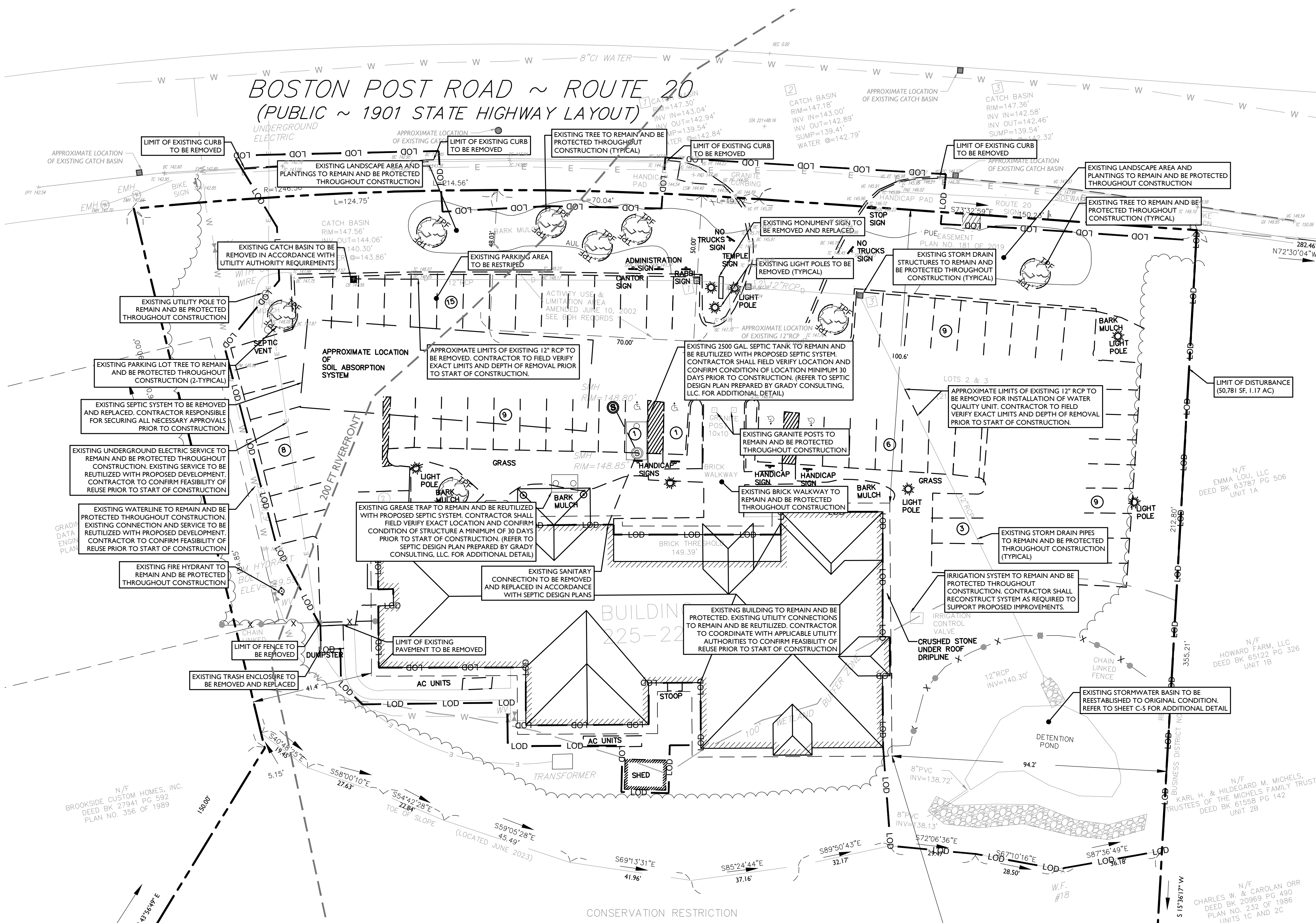
SHEET INDEX	
DRAWING TITLE	SHEET #
COVER SHEET	C-1
EXISTING CONDITIONS PLAN	C-2
DEMOLITION PLAN	C-3
SITE PLAN	C-4
GRADING, DRAINAGE & UTILITY PLAN	C-5
LIGHTING PLAN	C-6
SOIL EROSION & SEDIMENT CONTROL PLAN	C-7
LANDSCAPING PLAN	C-8 - C-9
CONSTRUCTION DETAILS	C-10 - C-12

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND INSPECTED IN ACCORDANCE WITH APPROVED PLANS PRIOR TO THE BEGINNING OF ANY DEMOLITION ACTIVITIES OR OTHER ON-SITE WORK

ALL SITE FEATURES WITHIN THE LIMIT OF DISTURBANCE INDICATED ON THIS PLAN ARE TO BE REMOVED / DEMOLISHED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF SIGNIFICANT DISCREPANCIES ARE DISCERNED BETWEEN THIS PLAN AND FIELD CONDITIONS

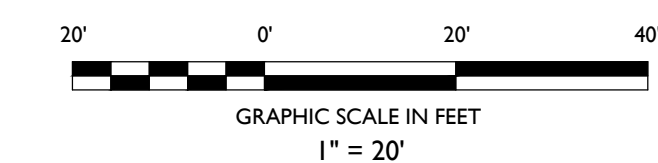


SYMBOL	DESCRIPTION
---	FEATURE TO BE REMOVED / DEMOLISHED
—	LIMIT OF DISTURBANCE



Know what's below
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- DEMOLITION NOTES**
- THE WORK REFLECTED ON THE DEMOLITION PLAN IS TO PROVIDE GENERAL INFORMATION TOWARDS THE EXISTING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE ENTIRE PLAN SET AND ASSOCIATED REPORTS/REFERENCE DOCUMENTS INCLUDING ALL DEMOLITION ACTIVITIES AND INCIDENTAL TASKS NECESSARY TO COMPLETE THE SITE IMPROVEMENTS.
 - THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF DEMOLITION ACTIVITIES.
 - EXPLOSIVES SHALL NOT BE USED UNLESS WRITTEN CONSENT FROM BOTH THE OWNER AND ANY APPLICABLE GOVERNING AGENCY IS OBTAINED. BEFORE THE START OF ANY EXPLOSIVE PROGRAM, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL LOCAL, STATE AND FEDERAL PERMITS. ADDITIONALLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SEISMIC TESTING AS REQUIRED AND ANY DAMAGES AS THE RESULT OF SAID DEMOLITION PRACTICES.
 - ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL UTILITIES ARE DISCONNECTED IN ACCORDANCE WITH THE UTILITY AUTHORITIES' REQUIREMENTS PRIOR TO STARTING THE DEMOLITION OF ANY STRUCTURE. ALL EXCAVATIONS ASSOCIATED WITH DEMOLISHED STRUCTURES OR REMOVED TANKS SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO SUPPORT SITE AND BUILDING IMPROVEMENTS. A GEOTECHNICAL ENGINEER SHOULD BE PRESENT DURING BACKFILLING ACTIVITIES TO OBSERVE AND CERTIFY THAT BACKFILL MATERIAL WAS COMPACTED TO A SUITABLE CONDITION.
 - DEMOLISHED DEBRIS SHALL NOT BE BURIED ON SITE. ALL WASTE/DEBRIS GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL RECORDS OF THE DISPOSAL TO DEMONSTRATE COMPLIANCE WITH THE ABOVE REGULATIONS.



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ADA ARCHITECTS
PROPOSED PRIMROSE SCHOOL
CHILD CARE CENTER

LAND DEVELOPMENT PLANS

PARCEL ID: K10-0009 & K10-0040
225 BOSTON POST ROAD
THE TOWN OF SUBURBY
MIDDLESEX COUNTY, MASSACHUSETTS

JOSHUA H. KLINE, P.E.
MASSACHUSETTS LICENSE NO. 53936
LICENSED PROFESSIONAL ENGINEER

STONEFIELD
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SCALE: 1" = 20' PROJECT ID: BOS-230051

TITLE:
DEMOLITION PLAN

DRAWING:
C-3

Z:\BOSTON\2023\BOS-230051\ADA_ARCHITECTS\225 BOSTON POST ROAD_SLD\DWG\11-24-23\11-24-23-DMPL-DWG.DWG

LAND USE AND ZONING			
K10-0009 & K10-0040			
SINGLE RESIDENTIAL (RES A-1)			
PROPOSED USE	PERMITTED USE	REQUIRED	EXISTING
CHILD CARE FACILITY (*)			
ZONING REQUIREMENT			
MINIMUM LOT AREA	40,000 SF	214,118 SF	NO CHANGE
MINIMUM LOT FRONTAGE	180 FT	364.8 FT	NO CHANGE
MAXIMUM BUILDING COVERAGE	40% (85,647 SF) (**)	5.03% (10,770 SF) (***)	NO CHANGE
MAXIMUM BUILDING HEIGHT	2.5 STORIES (35 FT)	1 STORY	NO CHANGE
MINIMUM FRONT YARD SETBACK	40 FT	103.8 FT	NO CHANGE
MINIMUM SIDE YARD SETBACK	20 FT	44.4 FT	NO CHANGE
MINIMUM REAR YARD SETBACK	30 FT	195.4 FT	NO CHANGE
MAXIMUM IMPERVIOUS COVERAGE	N/A	16.5% (35,400 SF)	13.9% (29,738 SF) (***)

(*) EXEMPT AND INSTITUTIONAL USES INCLUDING PRINCIPAL AND ACCESSORY BUILDINGS EXCLUDES 6,232 SF OF TURF SURFACE

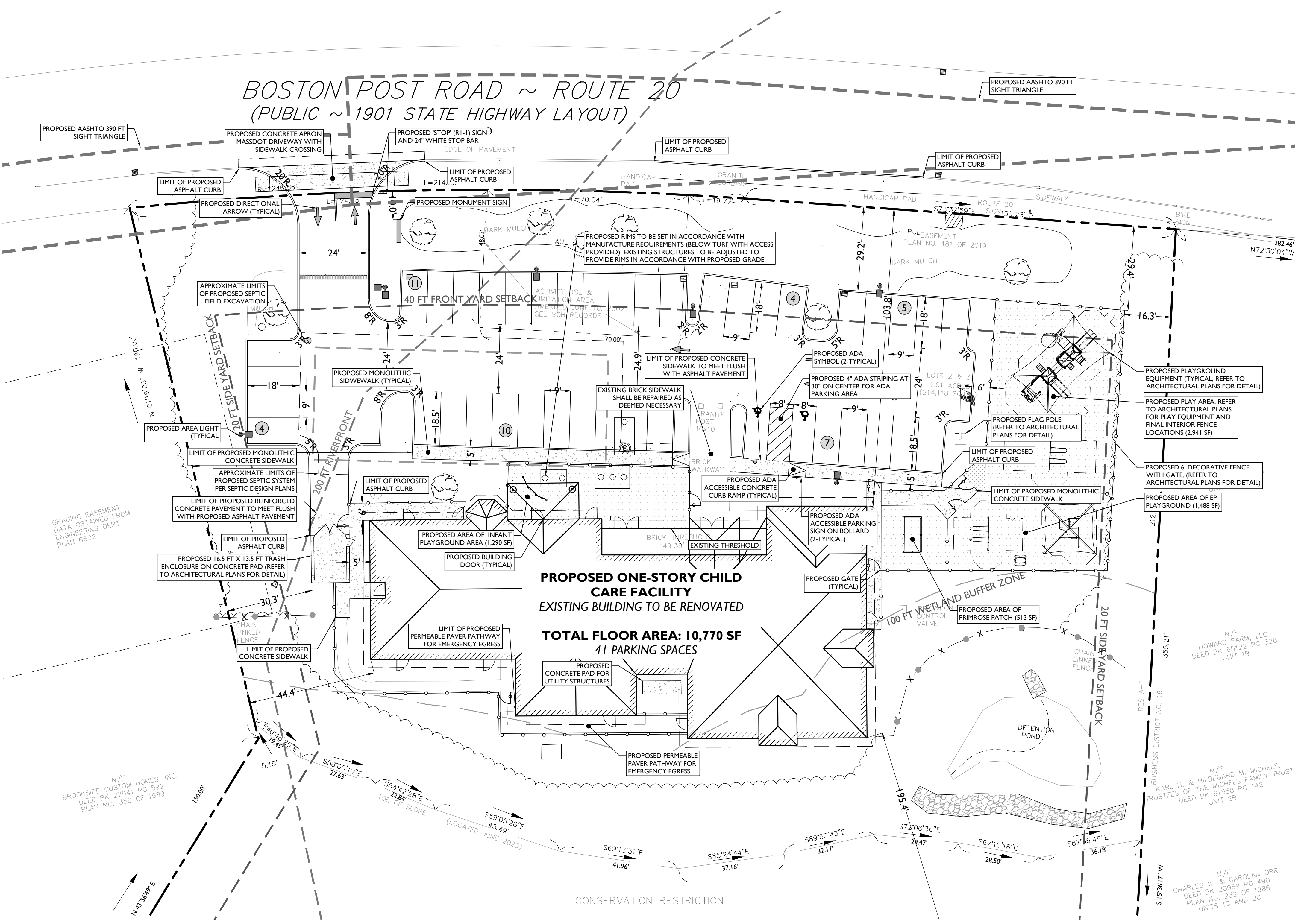
BUFFER AREA IMPERVIOUS SUMMARY	
EXISTING IMPERVIOUS AREA WITHIN 200' RIVERFRONT BUFFER	PROPOSED IMPERVIOUS AREA WITHIN 200' RIVERFRONT BUFFER
3,927 SF (0.09 AC)	3,710 SF (0.08 AC)

OFF-STREET PARKING REQUIREMENTS		
CODE SECTION	REQUIRED	PROPOSED
§ 3120	REQUIRED PARKING: 1 SPACE FOR EACH STAFF POSITION (22 STAFF) * (1 SPACE) = 22 SPACES 1 FOR SPACE EACH 5 PERSONS OF RATED CAPACITY OF THE LARGEST AUDITORIUM N/A - NO AUDITORIUM PROPOSED 1 SPACE FOR EACH STUDENT VEHICLE AT MAX CAPACITY (8 STUDENT DROP OFF VEHICLES) * (1 SPACE) = 9 SPACES TOTAL: 22 + 9 = 31 SPACES	41 SPACES
§ 3130	DIMENSIONAL REGULATIONS 90 DEGREE PARKING: WIDTH = 9 FT LENGTH = 18.5 FT WIDTH OF DRIVE AISLE = 24 FT	9 FT 18 FT (W) 24 FT
§ 3142	PARKING SETBACK: SETBACK = 10 FT (DRIVEWALKWAYS EXCLUDED)	19.9 FT

(W) WAIVER

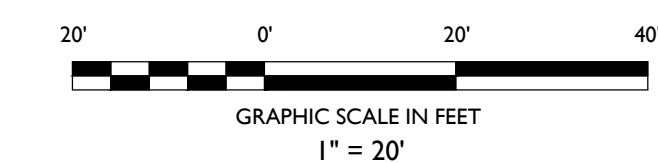
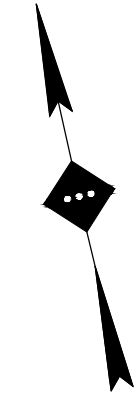
SIGNAGE REQUIREMENTS		
CODE SECTION	REQUIRED	PROPOSED
§ 3280	RESIDENTIAL SIGNS: MAXIMUM SIGNS: 1 SIGN MOUNTING OPTIONS: ATTACHED OR FREESTANDING MAXIMUM SIGN AREA: 10 SF MAXIMUM SIGN HEIGHT: 10 FT MAXIMUM SIGN CLEARANCE: 40% OF HEIGHT MINIMUM SIGN SETBACK: 10 FT	4 SIGNS (W) COMPLIES 54 SF (W) 8 FT N/A 10 FT
N/A	NOT APPLICABLE	

SIGNS, LANDSCAPING AND OTHER FEATURES LOCATED WITHIN SIGHT TRIANGLE AREAS SHALL BE DESIGNED, INSTALLED AND MAINTAINED SO AS NOT TO EXCEED 2.5 FT IN HEIGHT. SNOW ACCUMULATION LOCATED WITHIN SIGHT TRIANGLE AREAS THAT EXCEED 3.5 FT IN HEIGHT OR THAT WOULD OTHERWISE INHIBIT SIGHT LINES SHALL BE PROMPTLY REMOVED.



- SITE IMPROVEMENTS NOTES**
- EXISTING LIGHT POLES AND EXTERIOR LIGHTS TO BE REUTILIZED. CONTRACTOR SHALL INSPECT AND REPAIR AND REPLACE LIGHT FIXTURE, LIGHT POLES, AND LIGHT BASES AS DEEMED NECESSARY.
 - PARKING LOT SHALL BE MILED AND OVERLAID TO ENSURE POSITIVE DRAINAGE TO ALL STRUCTURES. FINAL LIMITS OF FULL DEPTH REPAIR SHALL BE COORDINATED WITH APPLICANT PRIOR TO CONSTRUCTION.
- GENERAL NOTES**
- THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY DISCREPANCY BE FOUND BETWEEN THE EXISTING SITE CONDITIONS AND THE PROPOSED WORK, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC, PRIOR TO THE START OF CONSTRUCTION.
 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
 - ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING & DESIGN, LLC, AND ITS SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY INSURANCE, AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE.
 - THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING & DESIGN, LLC.
 - THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION.
 - THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY.
 - THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTORS EXPENSE.
 - THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD ENGINEERING & DESIGN, LLC WILL REVIEW THE SUBMITTALS IN ACCORDANCE WITH THE DESIGN INTENT AS REFLECTED WITHIN THE PLAN SET.
 - THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING PERMITS.
 - THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES.
 - SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC, BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.

SYMBOL	DESCRIPTION
---	PROPERTY LINE
---	SETBACK LINE
---	SAWCUT LINE
---	PROPOSED CURB
---	PROPOSED FLUSH OPENING
○	PROPOSED SIGNS / BOLLARDS
□	PROPOSED BUILDING
□	PROPOSED CONCRETE
○	PROPOSED AREA LIGHT
○	PROPOSED DECORATIVE FENCE
□	PROPOSED BUILDING DOORS



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1	12/08/2023	AB		FOR PLANNING BOARD SUBMISSION

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LAND DEVELOPMENT PLANS

ADA ARCHITECTS

PROPOSED PRIMROSE SCHOOL
CHILD CARE CENTER

PARCEL ID: K10-0009 & K10-0040
225 BOSTON POST ROAD
MIDDLESEX COUNTY, MASSACHUSETTS

JOSHUA H. KLINE, P.E.
MASSACHUSETTS LICENSE NO. 53936
LICENSED PROFESSIONAL ENGINEER

STONEFIELD
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SCALE: 1" = 20' PROJECT ID: BOS-230051

TITLE: SITE PLAN

DRAWING: C-4

Z:\BOSTON\BOS230051\BOS230051 ADA ARCHITECTS - 225 BOSTON POST ROAD, SUDBURY, MA\CAD\DWG\DP10\HKL1.DWG

DRAINAGE AND UTILITY NOTES

- THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IMMEDIATELY IN WRITING.
- THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN IN OPERATION ALL UTILITIES NOT DESIGNATED TO BE REMOVED.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING UTILITY IDENTIFIED TO REMAIN WITHIN THE LIMITS OF THE PROPOSED WORK DURING CONSTRUCTION.
- A MINIMUM HORIZONTAL SEPARATION OF 10 FEET IS REQUIRED BETWEEN ANY SANITARY SEWER SERVICE AND ANY WATER LINES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
- ALL WATER LINES SHALL BE VERTICALLY SEPARATED ABOVE SANITARY SEWER LINES BY A MINIMUM DISTANCE OF 18 INCHES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
- THE CONTRACTOR TO PERFORM A TEST FIT PRIOR TO CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR WATER AND SANITARY SEWER CONNECTION IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IN WRITING.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRIC AND TELECOMMUNICATION CONNECTIONS WITH THE APPROPRIATE GOVERNING AUTHORITY.
- CONTRACTOR SHALL START CONSTRUCTION OF ANY GRAVITY SEWER AT THE LOWEST INVERT AND WORK UP GRADIENT.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD SET OF PLANS REFLECTING THE LOCATION OF EXISTING UTILITIES THAT HAVE BEEN CAPPED, ABANDONED, OR RELOCATED BASED ON THE DEMOLITION/REMOVAL ACTIVITIES REQUIRED IN THIS PLAN SET. THIS DOCUMENT SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.

EXCAVATION, SOIL PREPARATION, AND DEWATERING NOTES

- THE CONTRACTOR IS REQUIRED TO REVIEW THE REFERENCED GEOTECHNICAL DOCUMENTS PRIOR TO CONSTRUCTION. THESE DOCUMENTS SHALL BE CONSIDERED A PART OF THE PLAN SET.
- THE CONTRACTOR IS REQUIRED TO PREPARE SUBGRADE SOILS BENEATH ALL PROPOSED IMPROVEMENTS AND BACKFILL ALL EXCAVATIONS IN ACCORDANCE WITH RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER OF RECORD.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SHORING FOR ALL EXCAVATIONS AS REQUIRED. CONTRACTOR SHALL HAVE THE SHORING DESIGN PREPARED BY A QUALIFIED PROFESSIONAL. SHORING DESIGNS SHALL BE SUBMITTED TO STONEFIELD ENGINEERING & DESIGN, LLC AND THE OWNER PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL OPEN EXCAVATIONS ARE PERFORMED AND PROTECTED IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DEWATERING DESIGN AND OPERATIONS, AS REQUIRED, TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS FOR DEWATERING OPERATIONS AND GROUNDWATER DISPOSAL.

EXCAVATION & UTILITY VERIFICATION NOTE:

PRIOR TO THE START OF CONSTRUCTION (RECOMMENDED 30 DAYS PRIOR) THE CONTRACTOR SHALL PERFORM EXPLORATORY TEST PITS AT LOCATIONS OF UTILITY / DRAINAGE CROSSINGS OR CONNECTIONS WITH EXISTING UTILITY OR STORMWATER INFRASTRUCTURE. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY NECESSARY ROAD OPENING PERMITS TO PERFORM SAID EXPLORATORY WORK. SHOULD A CONFLICT BE DISCOVERED WITH THE INFORMATION CONTAINED WITHIN THESE PLANS THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IN WRITING.

SANITARY / STORMWATER CONSTRUCTION NOTE:

THE CONTRACTOR SHALL START CONSTRUCTION OF ALL GRAVITY SANITARY AND STORMWATER INFRASTRUCTURE AT THE DOWNSTREAM CONNECTION POINT (EG. LOWEST INVERT) AND WORK UP GRADIENT.

SEPTIC INSTALLATION NOTE:

PROPOSED SEPTIC SYSTEM AND ASSOCIATED COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED SEPTIC DESIGN PLAN PREPARED BY GRADY CONSULTING, LLC. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND DEPTH OF EXISTING SANITARY INFRASTRUCTURE THAT IS TO REMAIN AND BE REUTILIZED, AND CONFIRM FEASIBILITY OF REUSE. CONTRACTOR TO INQUIRE FOR STRUCTURAL INTEGRITY AND CONFIRM CAPACITY OF THE SYSTEMS REMAINING. SHOULD THE SYSTEMS BE DETERMINED INFEASIBLE FOR REUSE, CONTRACTOR SHALL NOTIFY THE SEPTIC DESIGN ENGINEER IN WRITING AS SOON AS POSSIBLE.

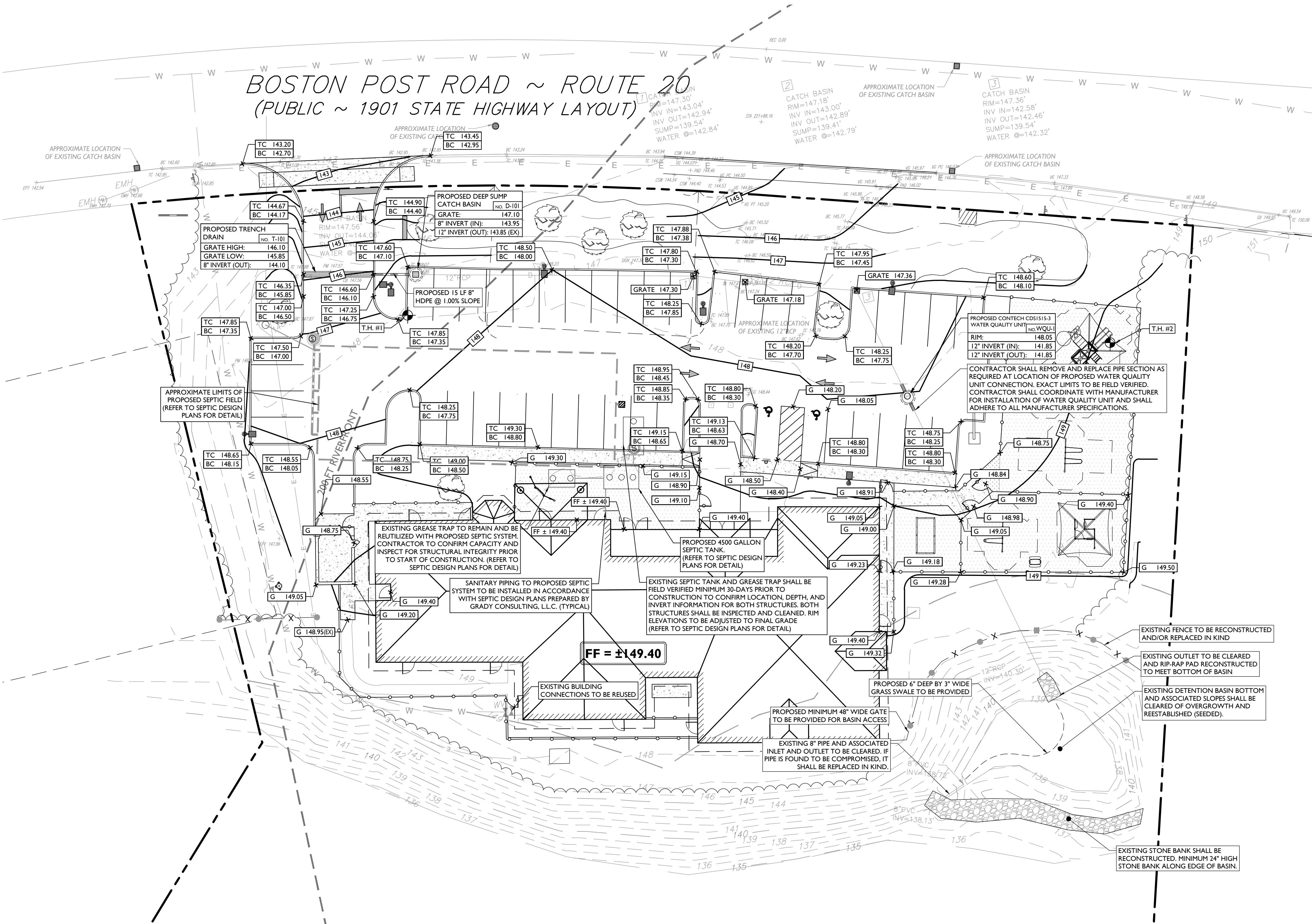
EXISTING BASIN RECONSTRUCTION:

EXISTING DETENTION BASIN AND GRASS SWALE SHALL BE REESTABLISHED IN ACCORDANCE WITH "PLAN OF PROPOSED GRASS SWALE" PREPARED BY ROBERT J. PARENTE, PE DATED MAY 8, 1998. SIDE SLOPES AND BASIN BOTTOM SHALL BE CLEARED AND REESTABLISHED (PERMANENTLY STABILIZED / SEEDED).

INVASIVE MANAGEMENT PLAN - JAPANESE KNOTWEED:

THE FOLLOWING INVASIVE MANAGEMENT PLAN SHALL BE FOLLOWED IF THE APPLICANT WISHES TO CONTROL THE EXISTING JAPANESE KNOTWEED WITHIN THE AREA OF DISTURBANCE.

- JAPANESE KNOTWEED IS TO BE CONTROLLED THROUGH A COMBINATION OF CUTTING AND HERBICIDE TREATMENTS. HERBICIDE APPLICATION SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE REGULATIONS INCLUDING THOSE THAT APPLY TO WETLAND AREAS. HERBICIDE APPLICATIONS SHALL BE DONE BY A MA LICENSED HERBICIDE APPLICATOR OR PROPERTY OWNERS WITHIN THEIR LIMITED USE AREA.
- THE STAND OF KNOTWEED SHALL BE CUT AT THE BASE MOTORIZED TRIMMERS WITH METAL BLADES OR HAND TOOLS. MOWING IS NOT RECOMMENDED AS IT MAY SPREAD VEGETATIVE PROPAGULES TO NEW LOCATIONS.
- CUT STEMS SHALL LEFT ON SITE AND PLACED ON A TARP OR PAVEMENT TO DRY OUT. THE BROWN STEMS MAY BE DISPOSED OF WHEN THEY ARE COMPLETELY DRIED OUT. CONTACT WITH SOIL IS NOT PERMITTED.
- A FOLIAR TREATMENT OF HERBICIDE SHALL BE APPLIED IN EARLY SEPTEMBER, JUST AFTER THE PLANT FLOWERS.
- THE AREA SHALL BE MONITORED THE FOLLOWING SPRING AND THE ABOVE PROCESS REPEATED FOR A TOTAL OF THREE YEARS TO TREAT THE REMAINING JAPANESE KNOTWEED PLANTS.
- THE AREA SHALL BE MONITORED AND IF KNOTWEED SHOOTS ARE IDENTIFIED, THEY SHALL BE SPOT TREATED WITH HERBICIDE TO MINIMIZE EFFECTS ON SURROUNDING VEGETATION.



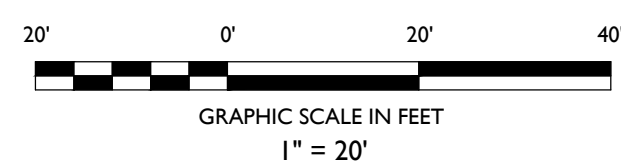
SYMBOL	DESCRIPTION
---	PROPERTY LINE
---	PROPOSED GRADING CONTOUR
---	PROPOSED GRADING RIDGELINE
---	PROPOSED DIRECTION OF DRAINAGE FLOW
X G 100.00	PROPOSED GRADE SPOT SHOT
X TC 100.50 BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
X FF 100.00	PROPOSED FINISHED FLOOR SPOT SHOT
X DC 100.12 BC 100.00	PROPOSED DEPRESSED CURB / BOTTOM OF CURB SPOT SHOT
[Symbol]	PROPOSED STORMWATER STRUCTURES
[Symbol]	PROPOSED STORMWATER PIPING
[Symbol]	PROPOSED SANITARY LATERAL
[Symbol]	PROPOSED SANITARY STRUCTURES

GRADING NOTES

- ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DEWATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DEWATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
- THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
- PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
- THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.
- MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
 - CURB GUTTER: 0.50%
 - CONCRETE SURFACES: 1.00%
 - ASPHALT SURFACES: 1.00%
- A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IF THIS CONDITION CANNOT BE MET.
- FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF PUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY.

ADA NOTES

- THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS AISLES.
- THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL ADA PARKING AREAS IN ACCORDANCE WITH STATE GUIDELINES.
- THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
- THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP, AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A WALK-UP ATM, AND AT TURNING SPACES ALONG THE ACCESSIBLE PATH OF TRAVEL. THE LANDING AREA SHALL HAVE A MINIMUM CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
- THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR ALTERATIONS, A CURB RAMP FLARE SHALL NOT HAVE A SLOPE GREATER THAN 8.33% IF A LANDING AREA IS NOT PROVIDED AT THE TOP OF THE RAMP. CURB RAMPS SHALL NOT RISE MORE THAN 6 INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF A CURB RAMP SHALL BE NO LESS THAN 36 INCHES WIDE.
- ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP.
- A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS.
- THE CONTRACTOR SHALL ENSURE A MAXIMUM OF 1/4" INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH. WHERE A CHANGE IN LEVEL BETWEEN 1/4" INCHES AND 1/2" INCHES EXISTS, CONTRACTOR SHALL ENSURE THAT THE TOP 1/4" INCH CHANGE IN LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL (2:1 SLOPE).
- THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN 1/4" INCH.



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LAND DEVELOPMENT PLANS

ADA ARCHITECTS

**PROPOSED PRIMROSE SCHOOL
CHILD CARE CENTER**

PARCEL ID: K10-0009 & K10-0040
225 BOSTON POST ROAD
THE TOWN OF SUBURBY
MIDDLESEX COUNTY, MASSACHUSETTS

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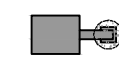
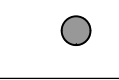
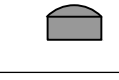
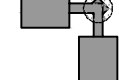
JOSHUA H. KLINE, P.E.
MASSACHUSETTS LICENSE NO. 53936
LICENSED PROFESSIONAL ENGINEER

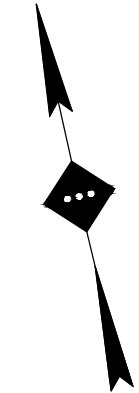
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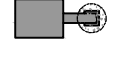

TITLE:
**GRADING, DRAINAGE &
UTILITY PLAN**

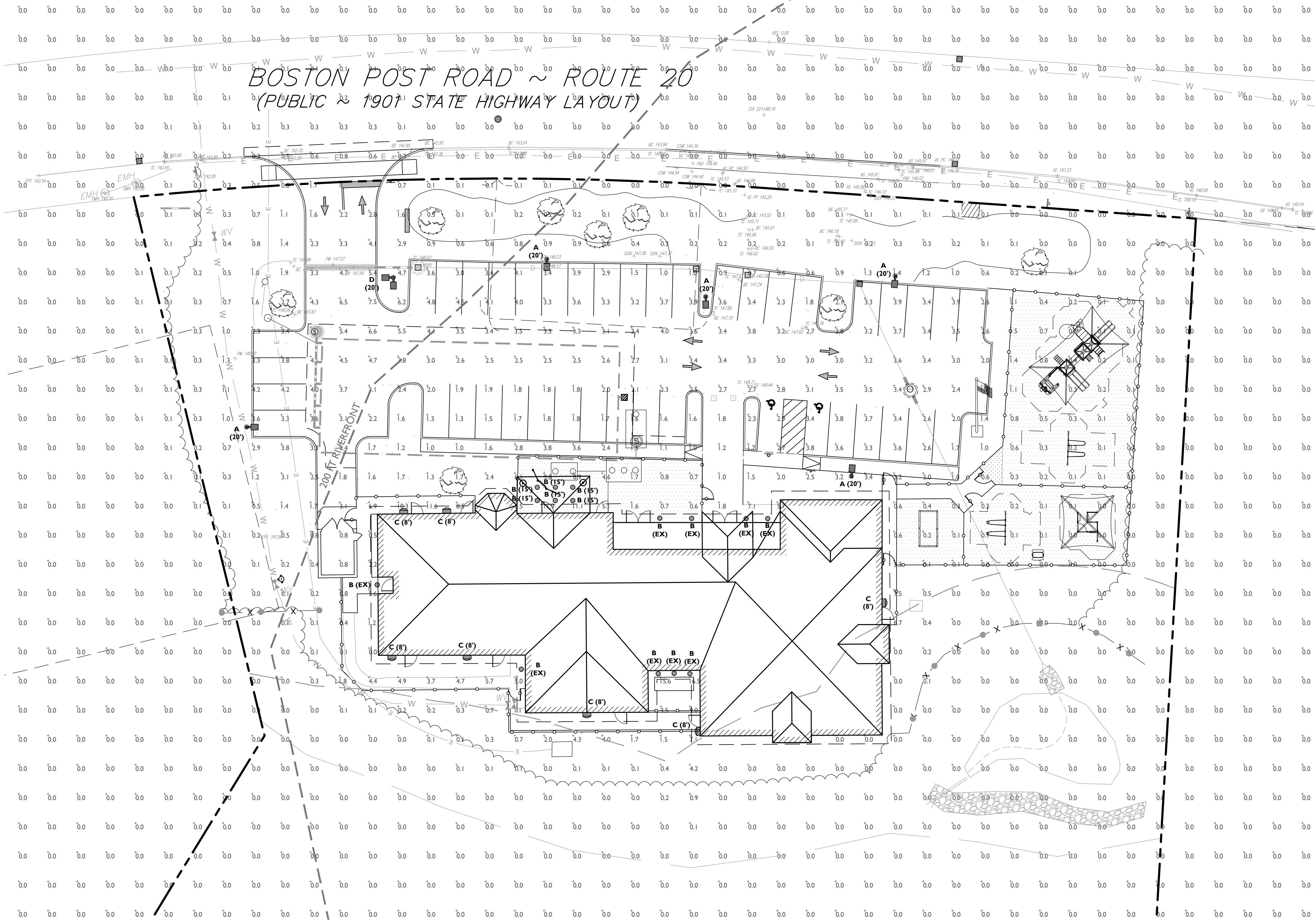
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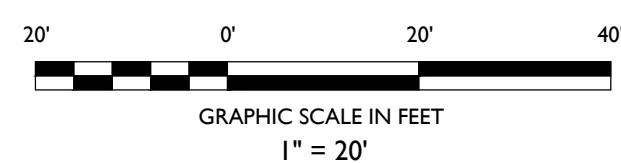
PROPOSED LUMINAIRE SCHEDULE						
SYMBOL	LABEL	QUANTITY	SECURITY LIGHTING	DISTRIBUTION	LLF	IES FILE
	A	5	MIRADA MEDIUM OUTDOOR LED AREA LIGHT - 12L - 30K - 120-277V	TYPE 4	0.9	LSI LIGHTING MRM-LED-12L-SIL-4-30-70CRI-IH.ies
	B	15	SRT1 EDGE-LIT CEILING LIGHT - 30K - ISW - 2000LM - 120-277V	N/A	0.9	BEACON SRT1-15-3K7-SC-UNV.ies
	C	7	LSI LIGHTING MIRADA MEDIUM WALL SCONCE (XWM) - 30 LED	TYPE 2	0.9	LSI LIGHTING XWM-2-LED-03L-30.ies
	D	1	MIRADA MEDIUM OUTDOOR LED AREA LIGHT - 12L - 30K - 120-277V	TYPE 4	0.9	LSI LIGHTING MRM-LED-12L-SIL-4-30-70CRI-IH.ies



SYMBOL	DESCRIPTION
-----	PROPOSED CALCULATION AREA
-----	PROPOSED ISOMETRIC LINE
A (XX')	PROPOSED LIGHTING FIXTURE (MOUNTING HEIGHT)
+XX	PROPOSED LIGHTING INTENSITY (FOOT-CANDLES)
	PROPOSED AREA LIGHT
	PROPOSED BUILDING MOUNTED LIGHT



- GENERAL LIGHTING NOTES**
- THE LIGHTING LEVELS DEPICTED WITHIN THE PLAN SET ARE CALCULATED UTILIZING DATA OBTAINED FROM THE LISTED MANUFACTURER. ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF ANY PROPOSED LIGHTING FIXTURE MAY VARY DUE TO UNCONTROLLABLE VARIABLES SUCH AS WEATHER, VOLTAGE SUPPLY, LAMP TOLERANCE, EQUIPMENT SERVICE LIFE AND OTHER VARIABLE FIELD CONDITIONS.
 - WHERE APPLICABLE, THE EXISTING LIGHT LEVELS DEPICTED WITHIN THE PLAN SET SHALL BE CONSIDERED APPROXIMATE. THE EXISTING LIGHT LEVELS ARE BASED ON FIELD OBSERVATIONS AND THE MANUFACTURER'S DATA OF THE ASSUMED OR MOST SIMILAR LIGHTING FIXTURE MODEL.
 - UNLESS NOTED ELSEWHERE WITHIN THIS PLAN SET, THE LIGHT LOSS FACTORS USED IN THE LIGHTING ANALYSIS ARE AS FOLLOWS:
 - LIGHT EMITTING DIODES (LED): 0.90
 - HIGH PRESSURE SODIUM: 0.72
 - METAL HALIDE: 0.72
 - THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING, PRIOR TO THE START OF CONSTRUCTION, OF ANY PROPOSED LIGHTING LOCATIONS THAT CONFLICT WITH EXISTING/PROPOSED DRAINAGE, UTILITY, OR OTHER IMPROVEMENTS.
 - THE CONTRACTOR IS RESPONSIBLE TO PREPARE A WIRING PLAN AND PROVIDE ELECTRIC SERVICE TO ALL PROPOSED LIGHTING FIXTURES. THE CONTRACTOR IS REQUIRED TO PREPARE AN AS-BUILT PLAN OF WIRING AND PROVIDE COPIES TO THE OWNER AND STONEFIELD ENGINEERING & DESIGN, LLC.



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LAND DEVELOPMENT PLANS

ADA ARCHITECTS

PROPOSED PRIMROSE SCHOOL
CHILD CARE CENTER

PARCEL ID: K10-0009 & K10-0040
225 BOSTON POST ROAD
THE TOWN OF SUBURBY
MIDDLESEX COUNTY, MASSACHUSETTS

JOSHUA H. KLINE, P.E.
MASSACHUSETTS LICENSE No. 53936
LICENSED PROFESSIONAL ENGINEER

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SCALE: 1" = 20' PROJECT ID: BOS-230051

TITLE:
LIGHTING PLAN

DRAWING:

C-6

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STABILIZATION SPECIFICATIONS:

- I.A. TEMPORARY SEEDING AND MULCHING:
GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
FERTILIZER - APPLY 11 LBS/1,000 SF OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
SEED - PERENNIAL RYEGRASS 100 LBS/ACRE (2.3 LBS/1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS/1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
- I.B. PERMANENT SEEDING AND MULCHING:
TOPSOIL - UNIFORM APPLICATION TO A DEPTH OF 5" (UNSETTLED).
GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
FERTILIZER - APPLY 11 LBS/1,000 SF OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
SEED - TURF TYPE TALL FESCUE (BLEND OF 3 CULTIVARS) 350 LBS/ACRE (8 LBS/1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND OCTOBER 1 (SUMMER SEEDINGS REQUIRE IRRIGATION).
MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS/1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

SEQUENCE OF CONSTRUCTION

1. INSTALL CONSTRUCTION ENTRANCE, SILT FENCING, TREE PROTECTION, INLET FILTERS AND OTHER APPLICABLE EROSION CONTROL MEASURES (2 DAYS).
 2. DEMOLISH EXISTING PAVEMENT AND GRAVEL (7 DAYS).
 3. ROUGH GRADING AND TEMPORARY SEEDING (21 DAYS).
 4. BUILDING RENOVATION AND SITE IMPROVEMENTS (120 DAYS).
 5. LANDSCAPING IMPROVEMENTS AND FINAL SEEDING (7 DAYS).
 6. REMOVE SOIL EROSION MEASURES (1 DAY).
- TOTAL ESTIMATED TIME = 8 MONTHS
- NOTE: TIME DURATIONS ARE APPROXIMATE AND ARE INTENDED TO ACT AS A GENERAL GUIDE TO THE CONSTRUCTION TIMELINE. ALL DURATIONS ARE SUBJECT TO CHANGE BY CONTRACTOR. CONTRACTOR SHALL SUBMIT CONSTRUCTION SCHEDULE TO TOWNSHIP AND ENGINEER. CONTRACTOR SHALL PHASE CONSTRUCTION ACCORDINGLY IF REQUIRED.

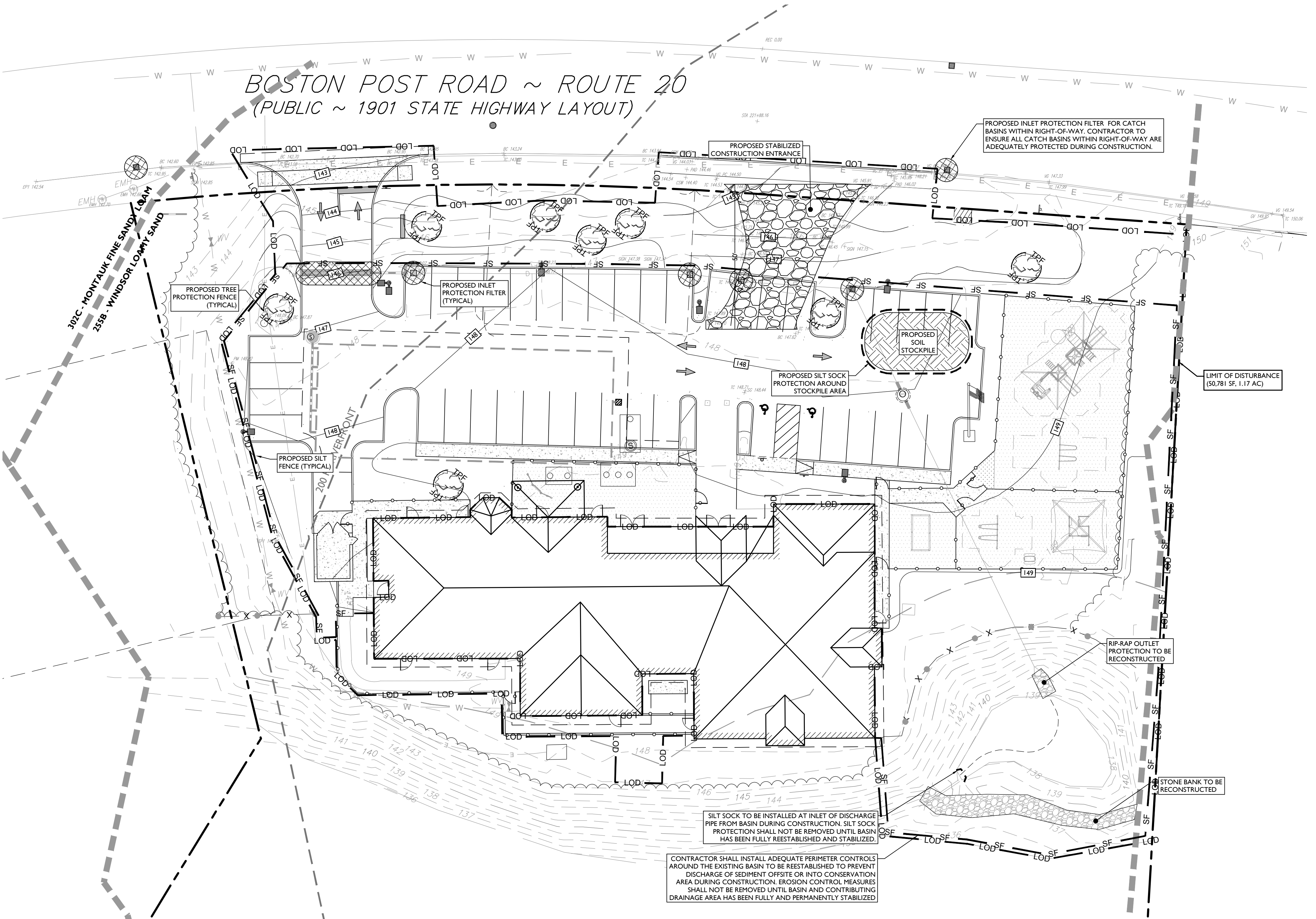
ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ANY DEMOLITION ACTIVITIES OR ANY OTHER ON-SITE WORK. CONTRACT TO ENSURE, AT MINIMUM, ALL CONTROLS ARE INSTALLED PER APPROVED PLANS. CONTROL MEASURES SHALL BE INSPECTED FREQUENTLY TO ENSURE CONTINUED FUNCTIONALITY THROUGHOUT THE FULL COURSE OF CONSTRUCTION.

DUST CONTROL NOTES

1. MULCHES - SEE STANDARD OF STABILIZATION WITH MULCHES ONLY, PG. 51.
2. VEGETATIVE COVER - SEE STANDARD FOR: TEMPORARY VEGETATIVE COVER, PG. 7-1; PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION PG. 4-1 AND PERMANENT STABILIZATION WITH SOD, PG. 6-1.
3. SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS); KEEP TRAFFIC OFF THESE AREAS.
4. TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
5. SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.
6. BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
7. CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.
8. STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

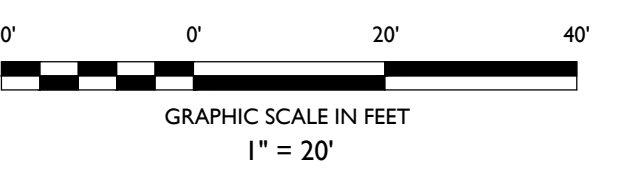
SOIL CHARACTERISTICS CHART			
TYPE OF SOIL	52A-FREETOWN MUCK	255B-WINDSOR LOAMY SAND	302C-MONTAUK FINE SANDY LOAM
PERCENT OF SITE COVERAGE	35.70%	59.50%	4.70%
HYDROLOGIC SOIL GROUP	B/D	A	C
DEPTH TO RESTRICTIVE LAYER	>80 INCHES	>80 INCHES	20 - 43 INCHES
SOIL PERMEABILITY	0.14 - 14.17 INCHES/HOUR	1.42 - 99.90 INCHES/HOUR	0.00 - 1.42 INCHES/HOUR
DEPTH TO WATER TABLE	0 - 6 INCHES	>80 INCHES	18 - 37 INCHES

SYMBOL	DESCRIPTION
	PROPERTY BOUNDARY
	ADJACENT PROPERTY BOUNDARY
	PROPOSED LIMIT OF DISTURBANCE
	PROPOSED SILT FENCE
	PROPOSED SILT SOCK
	PROPOSED TREE PROTECTION FENCE
	PROPOSED STOCKPILE & EQUIPMENT STORAGE
	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
	PROPOSED INLET PROTECTION FILTER



SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
2. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR QUALITY STANDARDS.
3. THE CONTRACTOR IS RESPONSIBLE TO INSPECT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER A PRECIPITATION EVENT GREATER THAN 1 INCH. THE CONTRACTOR SHALL MAINTAIN AN INSPECTION LOG ON SITE AND DOCUMENT CORRECTIVE ACTION TAKEN THROUGHOUT THE COURSE OF CONSTRUCTION AS REQUIRED.



2:10/20/2020 10:00 AM ADA ARCHITECTS - 231 BOSTON POST ROAD, LUDLOW, MA 01459 (978) 456-1234

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LAND DEVELOPMENT PLANS

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SCALE: 1" = 20' PROJECT ID: BOS-230051

TITLE:
SOIL EROSION AND SEDIMENT CONTROL PLAN

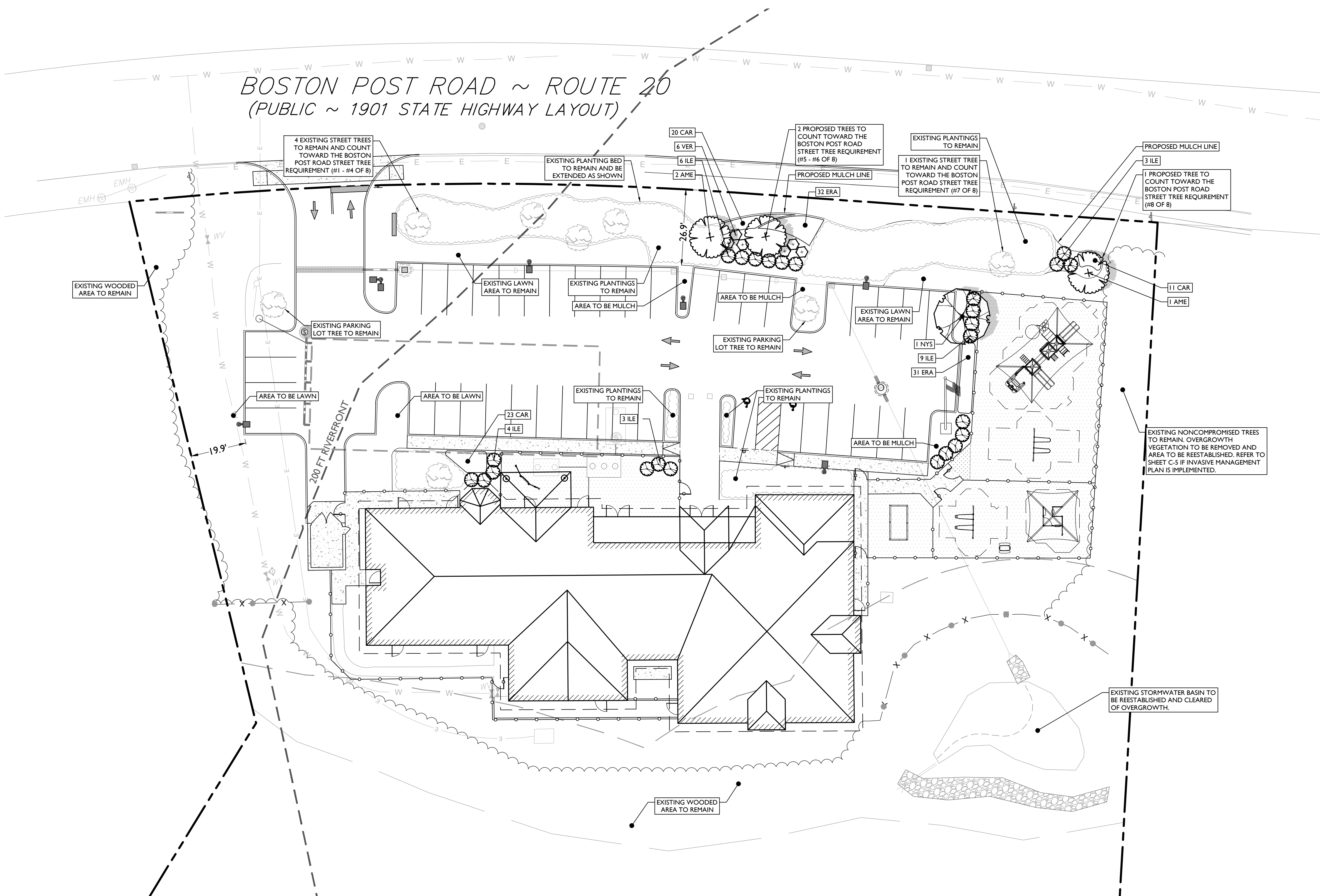
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LANDSCAPING AND BUFFER REQUIREMENTS		
CODE SECTION	REQUIRED	PROPOSED
§ 3532.	LANDSCAPE REQUIREMENTS MINIMUM 30% OF LOT SHALL BE OPEN SPACE LOT AREA: 214,118 SF (214,118 SF) * (0.30) = 64,235 SF	178,148 SF (83%)
§ 3541.	PARKING LOT LANDSCAPING 150 SF LANDSCAPING FOR EVERY 1,000 OF PARKING PARKING LOT AREA: 15,847 SF (15,847 SF) * (150 SF / 1,000 SF) = 2,377 SF PLANTED AREAS SHALL CONTAIN TREES AND OTHER PLANTINGS	2,673 SF COMPLIES
§ 3542.	PARKING AND REFUSE AREAS SHALL BE SCREENED FROM VIEW OF R.O.W. AND ADJACENT PROPERTIES WITH PLANTED AREAS, BERMS, OR FENCES	COMPLIES
§ 3543.	BUFFER STRIP REQUIRED BETWEEN PARKING LOT AND SIDE/REAR LOT LINES MINIMUM BUFFER WIDTH: 25 FT	PROVIDED 19.9 FT (EN)
§ 3550.	STREET FRONTAGE LANDSCAPING LANDSCAPE BUFFER WIDTH: 20 FT BUFFER SHALL BE PLANTED WITH GRASS, SHRUBS, AND TREES 1 TREE FOR EVERY 40 LF OF FRONTAGE BOSTON POST ROAD: 322 FT (322 FT) * (1 TREE / 40 FT FRONTAGE) = 8 TREES	26.9 FT COMPLIES 5 EXISTING TREES 3 TREES PROPOSED

(EN) EXISTING NONCONFORMITY

PLANT SCHEDULE							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
DECIDUOUS TREES							
	NYS	1	NYSSA SYLVATICA	TUPELO	2" - 2.5" CAL	B&B	NATIVE, SALT TOLERANT
ORNAMENTAL TREES							
	AME	3	AMELANCHIER CANADENSIS	CANADIAN SERVICEBERRY	2" - 2.5" CAL	B&B	SINGLE STEM; NATIVE, DROUGHT TOLERANT, SALT TOLERANT
SHRUBS							
	VER	6	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY	30" - 36"	POT	NATIVE, SALT TOLERANT
EVERGREEN SHRUBS							
	ILE	22	ILEX GLABRA	INKBERRY HOLLY	30" - 36"	B&B	NATIVE, DROUGHT TOLERANT, SALT TOLERANT
PERENNIALS AND GRASSES							
	CAR	54	CAREX PENNSYLVANICA	PENNSYLVANIA SEDGE	1 GAL.	POT, 24" O.C.	
	ERA	63	ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	1 GAL.	POT, 24" O.C.	NATIVE, DROUGHT TOLERANT, SALT TOLERANT

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN ON THE LANDSCAPE PLAN AND WITHIN THE PLANT LIST, THE PLAN SHALL DICTATE.

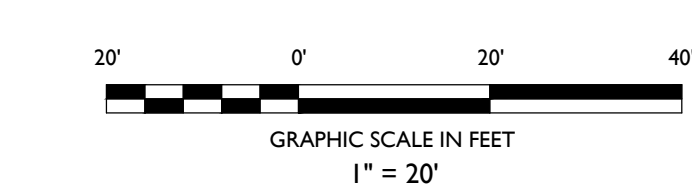


Know what's below
Call before you dig.

IRRIGATION NOTE:
IRRIGATION CONTRACTOR TO PROVIDE A DESIGN FOR AN IRRIGATION SYSTEM SEPARATING PLANTING BEDS FROM LAWN AREA. PRIOR TO CONSTRUCTION, DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE DESIGNER FOR REVIEW AND APPROVAL. WHERE POSSIBLE, DRIP IRRIGATION AND OTHER WATER CONSERVATION TECHNIQUES SUCH AS RAIN SENSORS SHALL BE IMPLEMENTED. CONTRACTOR TO VERIFY MAXIMUM ON-SITE DYNAMIC WATER PRESSURE AVAILABLE MEASURED IN PSI. PRESSURE REDUCING DEVICES OR BOOSTER PUMPS SHALL BE PROVIDED TO MEET SYSTEM PRESSURE REQUIREMENTS. DESIGN TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS, CONTROLLERS, AND SLEEVES WITHIN HARDSCAPE AREAS.

LANDSCAPING NOTES

- THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AND LANDSCAPED AREAS TO MATCH EXISTING CONDITIONS UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS WITH A MINIMUM 4 INCH LAYER OF TOPSOIL AND SEED.
- THE CONTRACTOR SHALL RESTORE MULCH AREAS WITH A MINIMUM 3 INCH LAYER OF MULCH.
- THE MAXIMUM SLOPE ALLOWABLE IN LANDSCAPE RESTORATION AREAS SHALL BE 3 FEET HORIZONTAL TO 1 FOOT VERTICAL (3:1 SLOPE) UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
- THE CONTRACTOR IS REQUIRED TO LOCATE ALL SPRINKLER HEADS IN AREA OF LANDSCAPING DISTURBANCE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE SPRINKLER HEADS AND LINES IN ACCORDANCE WITH OWNER'S DIRECTION WITHIN AREAS OF DISTURBANCE.
- THE CONTRACTOR SHALL ENSURE THAT ALL DISTURBED LANDSCAPED AREAS ARE GRADED TO MEET FLUSH AT THE ELEVATION OF WALKWAYS AND TOP OF CURB ELEVATIONS EXCEPT UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. NO ABRUPT CHANGES IN GRADE ARE PERMITTED IN DISTURBED LANDSCAPING AREAS.



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Phone 617.203.2076

LAND DEVELOPMENT PLANS

ADA ARCHITECTS

PROPOSED PRIMROSE SCHOOL CHILD CARE CENTER

PARCEL ID: K10-0009 & K10-0040
225 BOSTON POST ROAD
THE TOWN OF SUBURBY
MIDDLESEX COUNTY, MASSACHUSETTS

JOSHUA H. KLINE, P.E.
MASSACHUSETTS LICENSE No. 53936
LICENSED PROFESSIONAL ENGINEER

STONEFIELD
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SCALE: 1" = 20' PROJECT ID: BOS-230051

TITLE:
LANDSCAPING PLAN

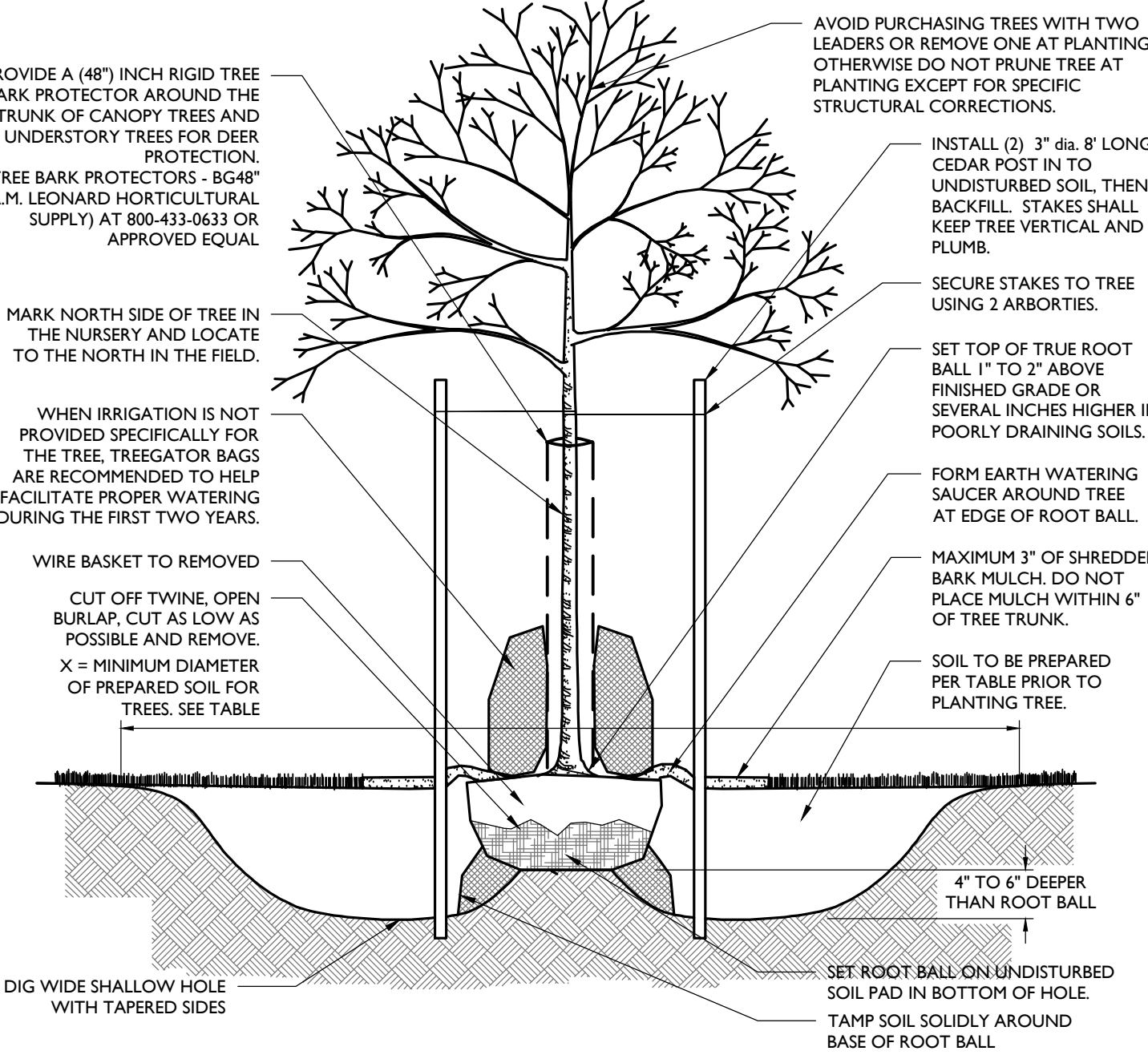
DRAWING:
C-8

NO.	DATE	ISSUE	BY	DESCRIPTION
3	06/04/2024	KLO	AB	FOR PLANNING BOARD RESUBMISSION
2	04/01/2024	AB	AB	FOR CONSERVATION COMMISSION SUBMISSION
1	12/08/2023	AB	AB	FOR PLANNING BOARD SUBMISSION

Z:\BOSTON\BOS230051\BOS230051_ARCHITECTS_225 BOSTON POST ROAD_SLD\BURY_TOWN\LANDSCAPING\LAND.DWG

NOTES:

- 1. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL...

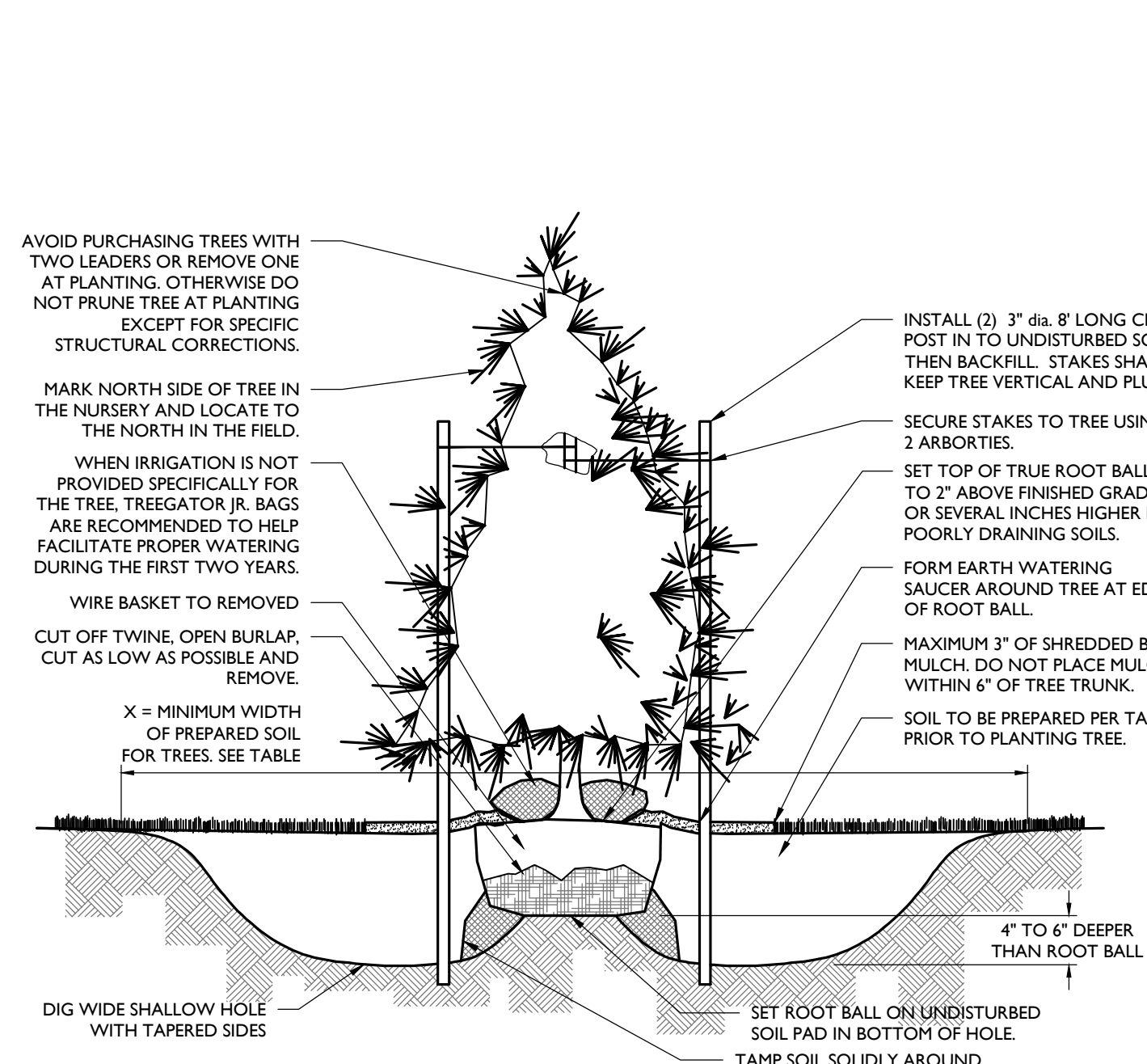


DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE

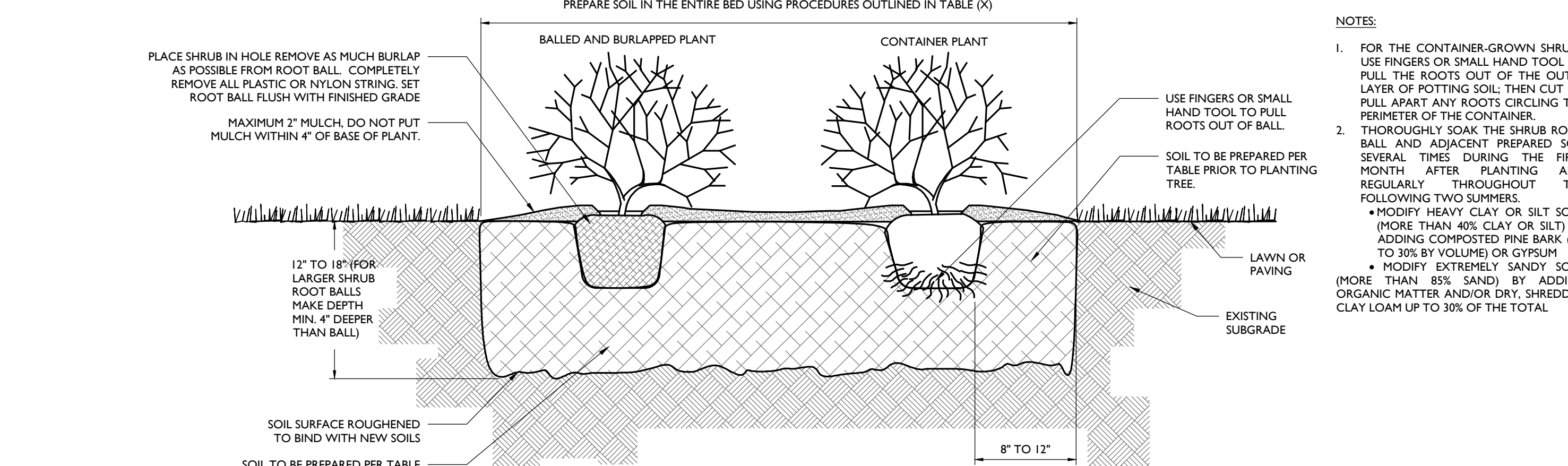
NOTES:

- 1. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL...



CONIFEROUS TREE PLANTING DETAIL

NOT TO SCALE

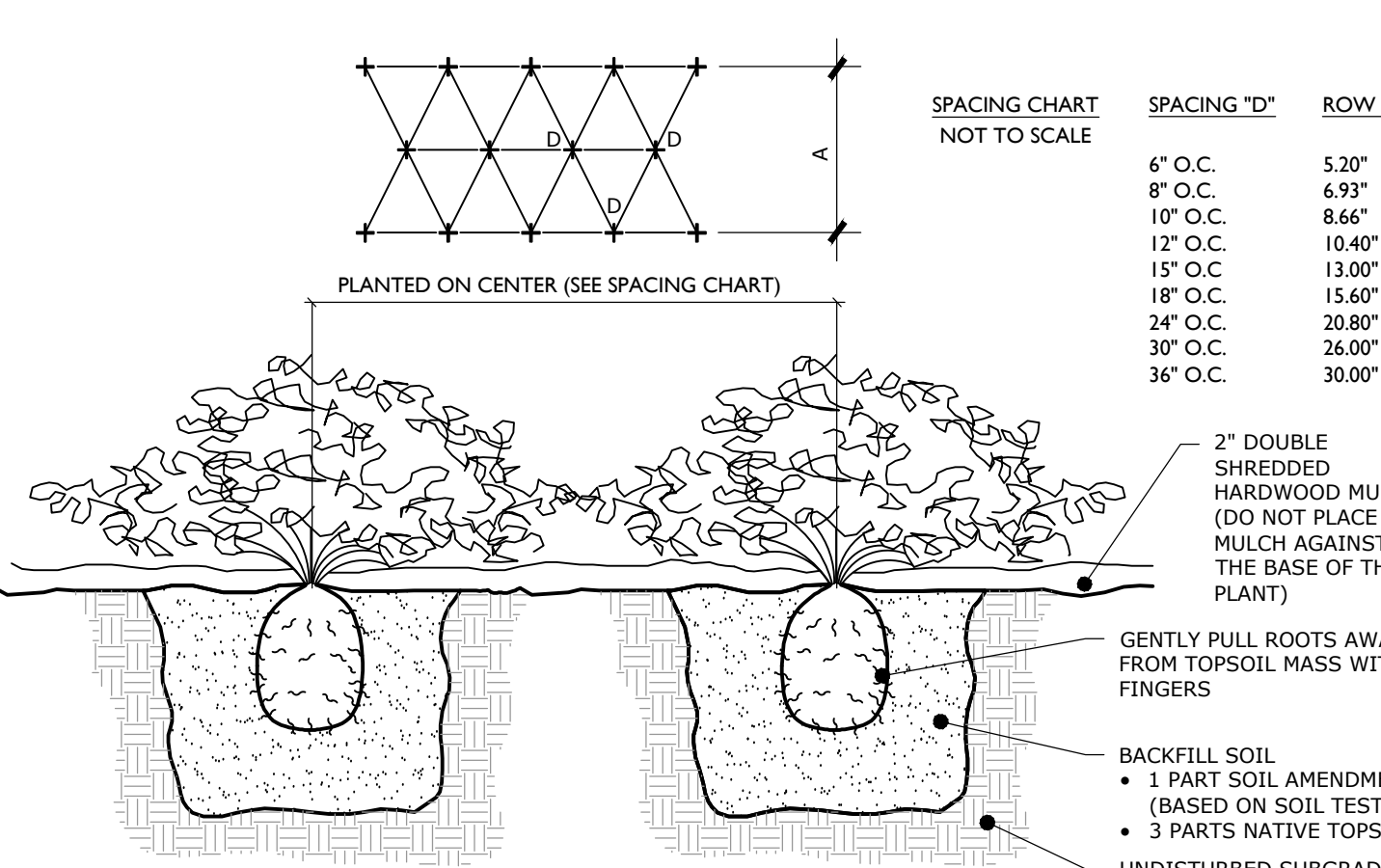


DECIDUOUS AND EVERGREEN SHRUB PLANTING DETAIL

NOT TO SCALE

NOTES:

- 1. THOROUGHLY SOAK THE GROUND COVER ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING...

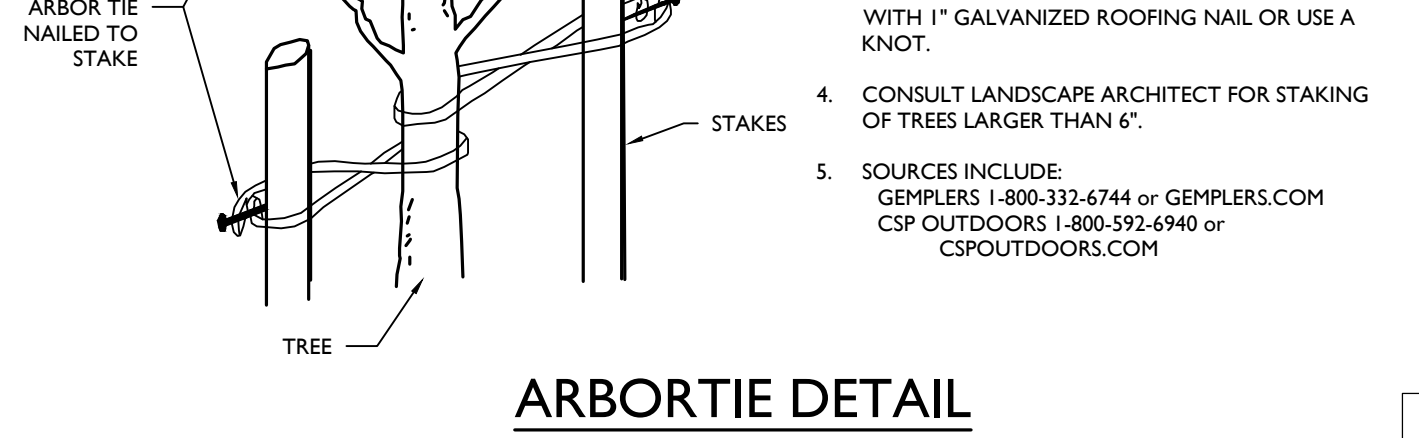


GROUND COVER/PERENNIAL/ANNUAL PLANTING DETAIL

NOT TO SCALE

NOTES:

- 1. THOROUGHLY SOAK THE GROUND COVER ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING...



ARBORTIE DETAIL

NOT TO SCALE

GENERAL LANDSCAPING NOTES:

- 1. THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS, APPROVED OR FINAL DRAWINGS, AND INSTRUCTIONS PROVIDED BY THE PROJECT LANDSCAPE DESIGNER...

PROTECTION OF EXISTING VEGETATION NOTES:

- 1. BEFORE COMMENCING WORK, ALL EXISTING VEGETATION WHICH COULD BE IMPACTED AS A RESULT OF THE PROPOSED CONSTRUCTION ACTIVITIES MUST BE PROTECTED FROM DAMAGE BY THE INSTALLATION OF TREE PROTECTION FENCING...

SOIL PREPARATION AND MULCH NOTES:

- 1. LANDSCAPE CONTRACTOR SHALL OBTAIN A SOIL TEST OF THE IN-SITU TOPSOIL BY A CERTIFIED SOIL LABORATORY PRIOR TO PLANTING...

PLANT MATERIAL AND HANDLING NOTES:

- 1. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z601-2004) OR LATEST REVISION AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.

PLANT MATERIAL GUARANTEE NOTES:

- 1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR (1 YR.) FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE PROJECT LANDSCAPE DESIGNER...

LAWN (SEED OR SOD) NOTES:

- 1. SEED MIXTURE SHALL BE FRESH, CLEAN, NEW CROP SEED. SOD SHALL BE STRONGLY ROOTED, UNIFORM IN THICKNESS, AND FREE OF WEEDS, DISEASE, AND PESTS.

IRRIGATION DURING ESTABLISHMENT table with columns for size at planting, irrigation for vitality, and irrigation for survival.

- 1. AT EACH IRRIGATION APPLY TWO TO THREE GALLONS PER INCH TRUNK CALIPER TO THE ROOT BALL SURFACE. APPLY IT IN A MANNER SO ALL WATER SOAKS THE ENTIRE ROOT BALL...

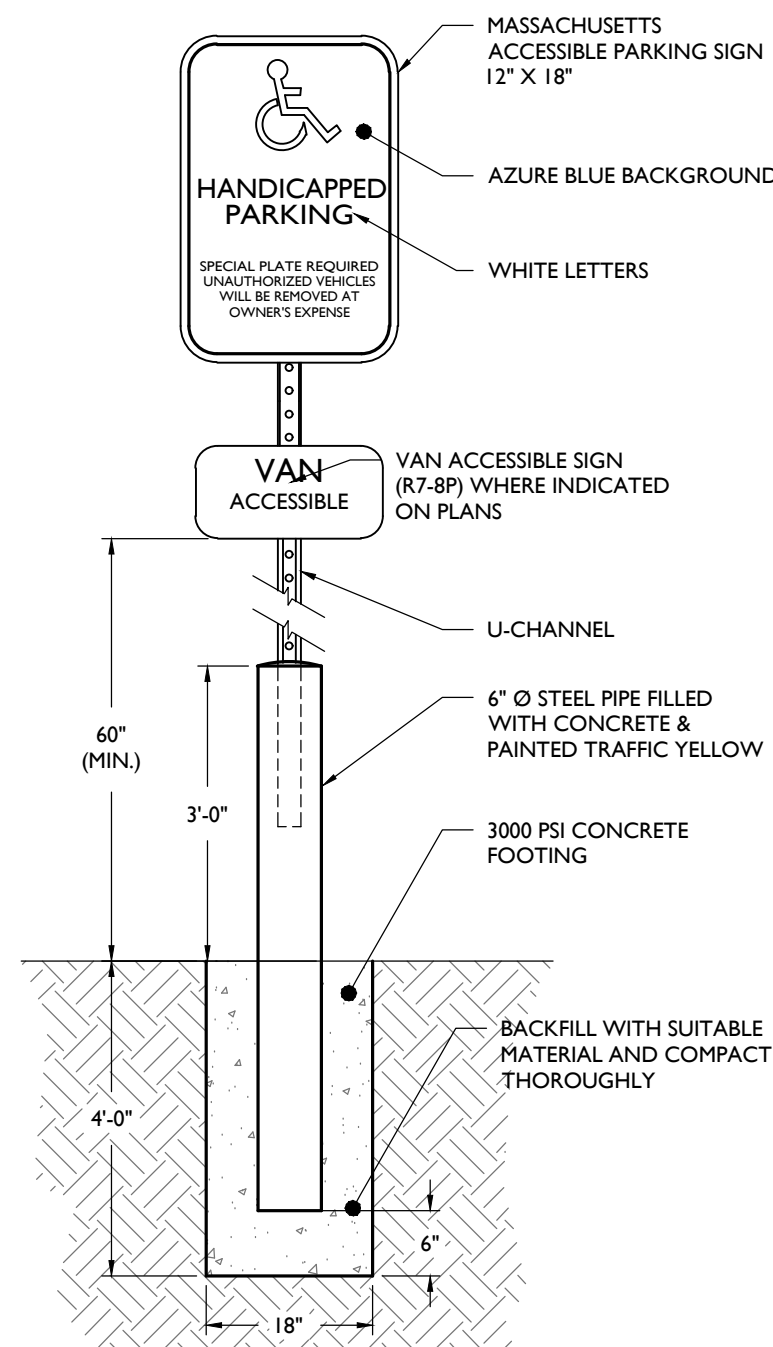
FOR PLANNING BOARD RESUBMISSION table with columns for date and issue.

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STONEFIELD engineering & design logo and contact information for Salem, MA and Princeton, NJ.

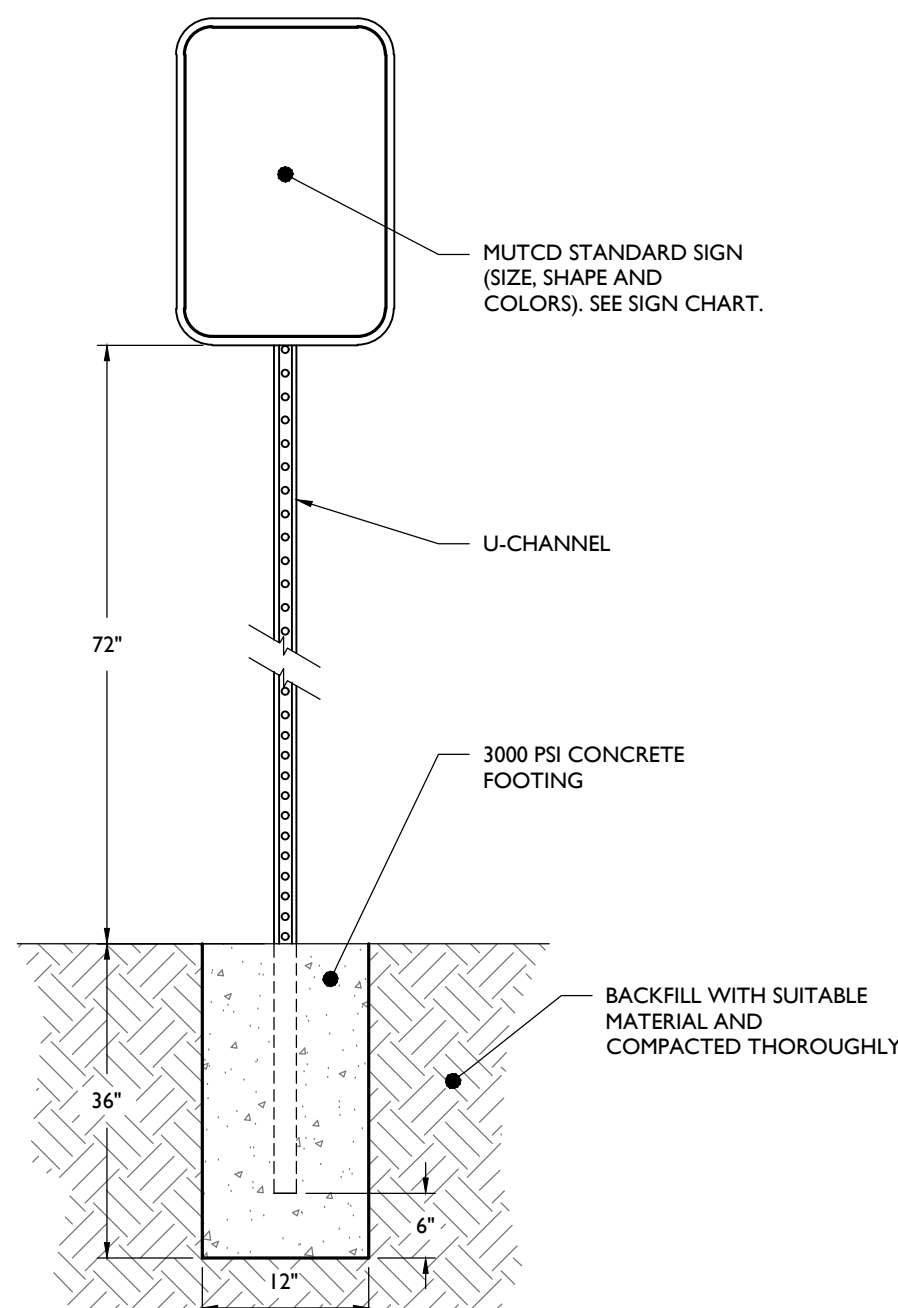
LAND DEVELOPMENT PLANS ADA ARCHITECTS PROPOSED PRIMROSE SCHOOL CHILD CARE CENTER logo and address.

STONEFIELD engineering & design logo, project details, and drawing title C-9.



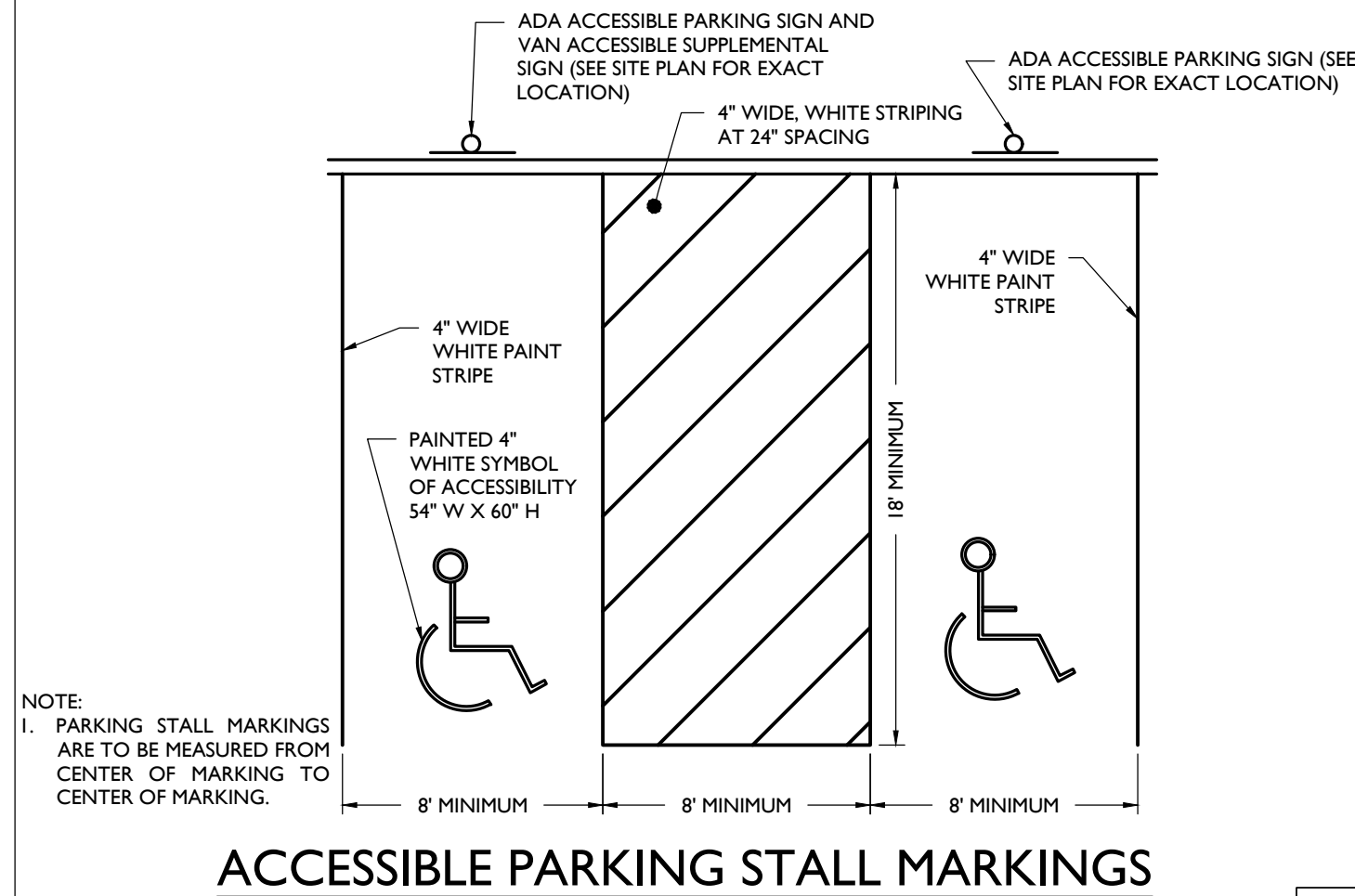
ACCESSIBLE PARKING SIGN WITH BOLLARD DETAIL
NOT TO SCALE

1



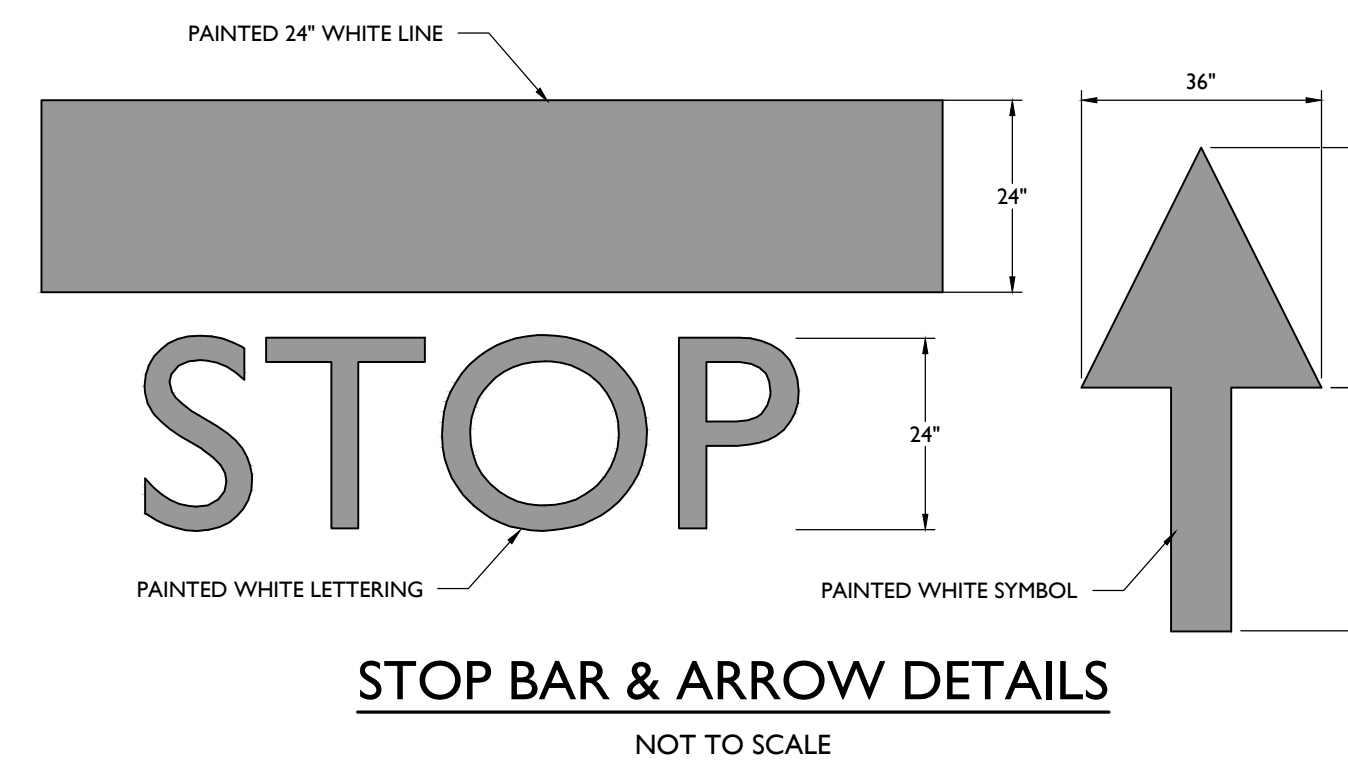
SIGN POST DETAIL
NOT TO SCALE

2



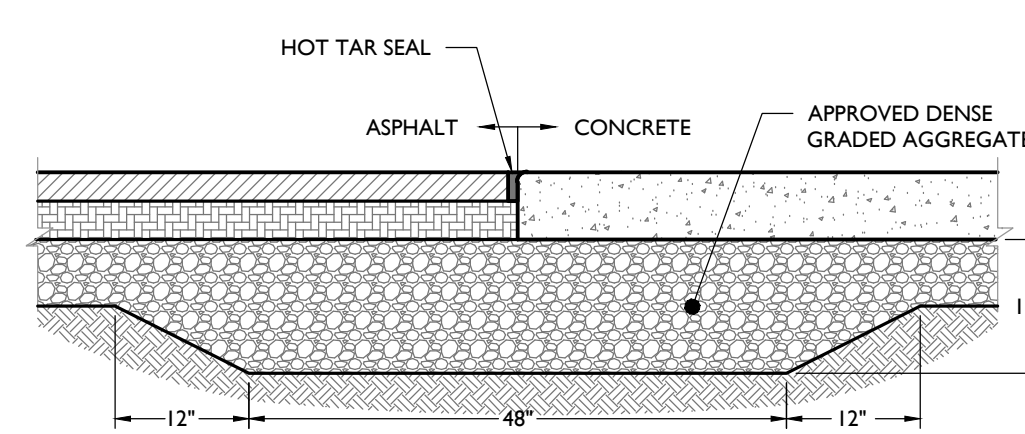
ACCESSIBLE PARKING STALL MARKINGS
NOT TO SCALE

3



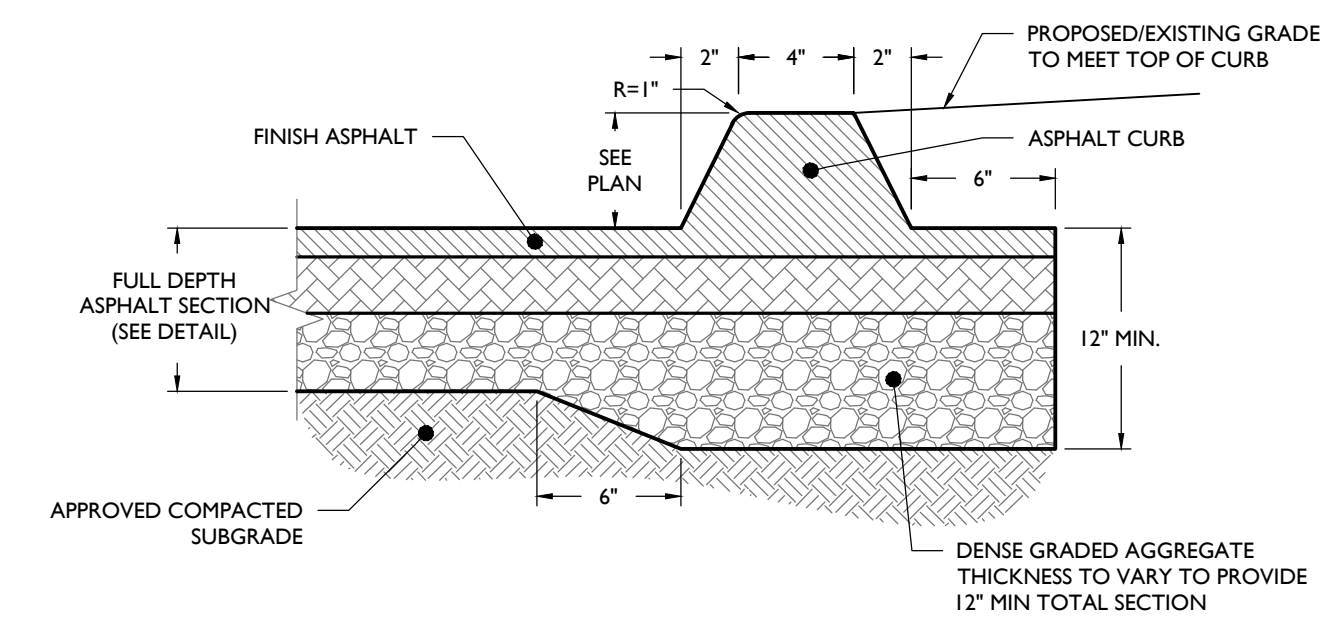
STOP BAR & ARROW DETAILS
NOT TO SCALE

4



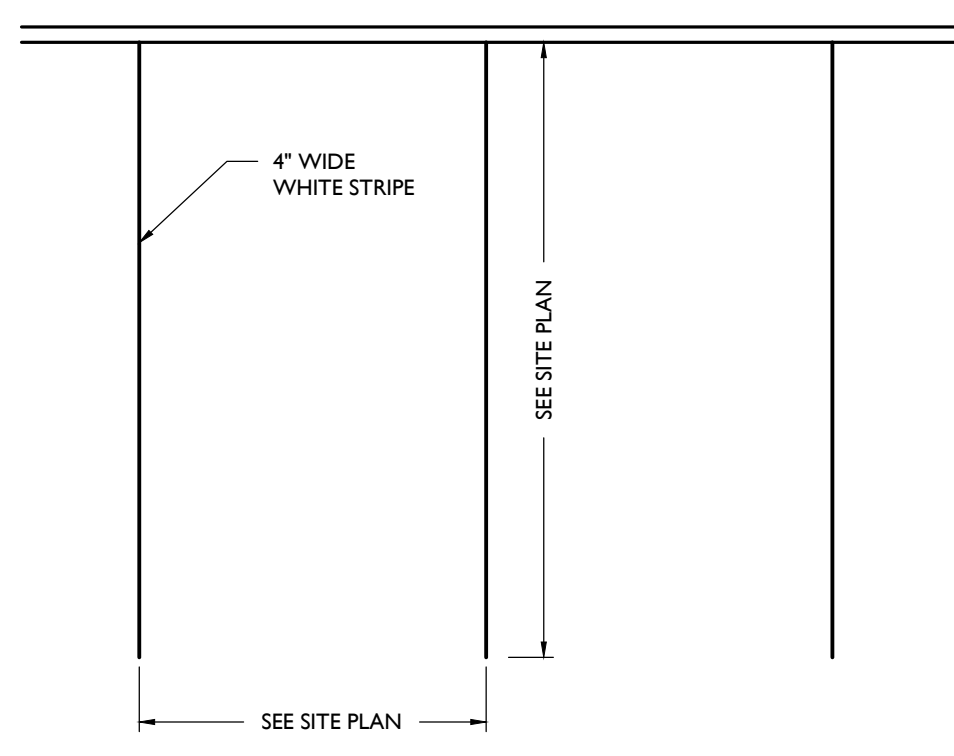
CONCRETE TO ASPHALT TRANSITION DETAIL
NOT TO SCALE

5



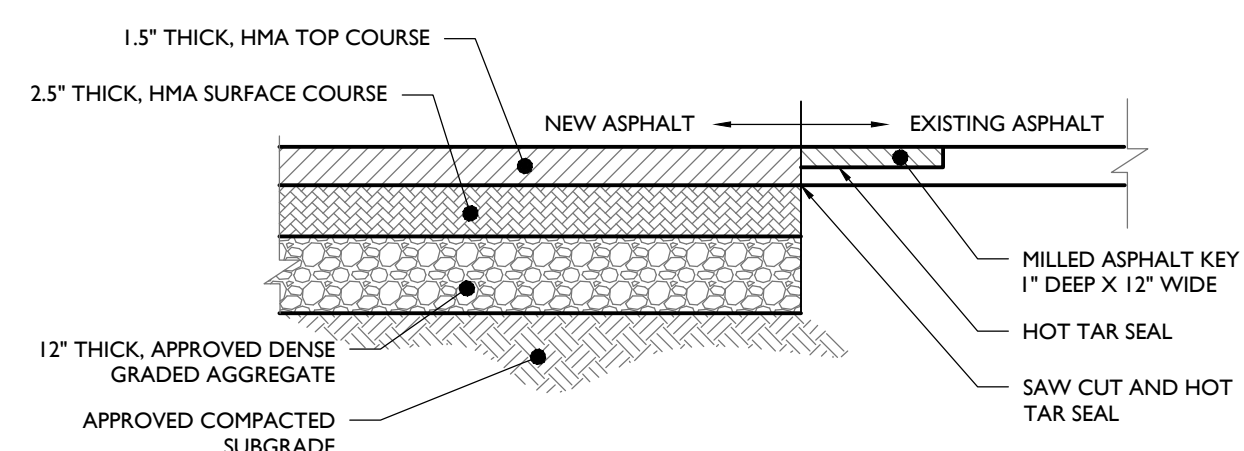
ASPHALT CURB DETAIL
NOT TO SCALE

6



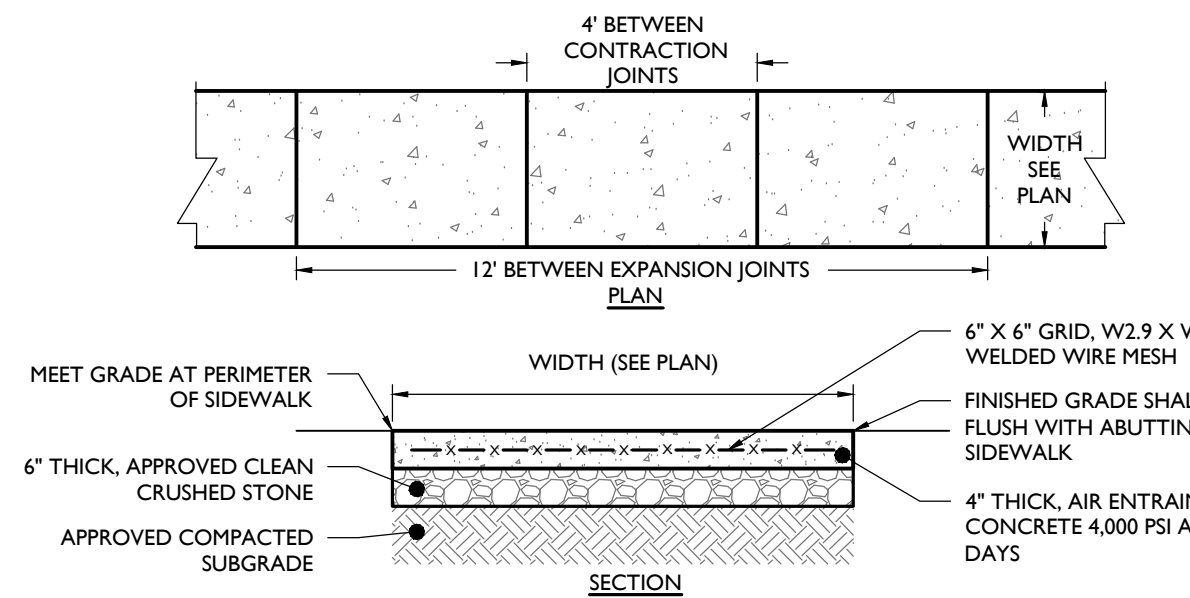
PARKING STALL MARKINGS
NOT TO SCALE

7



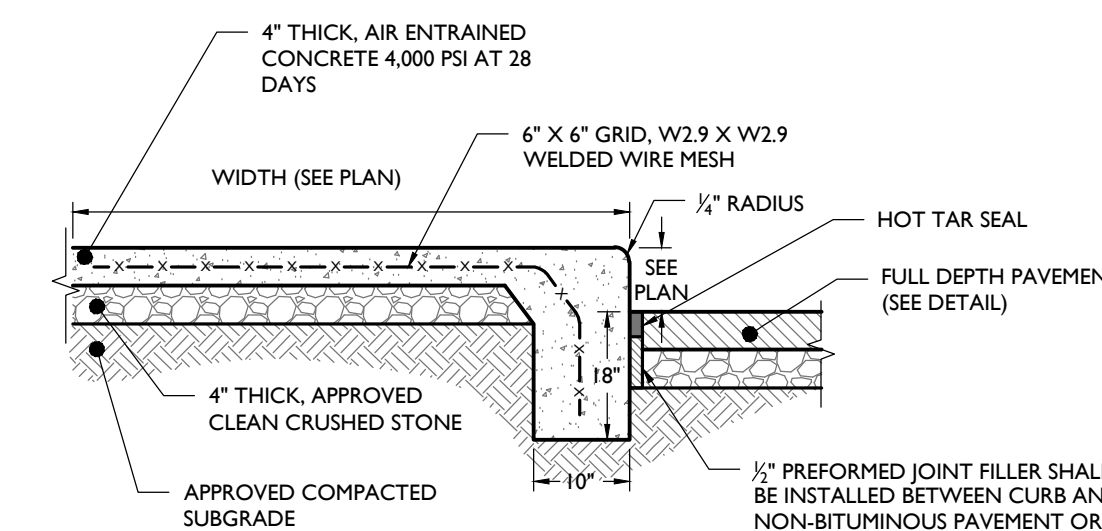
FULL DEPTH ASPHALT PAVEMENT DETAIL
NOT TO SCALE

8



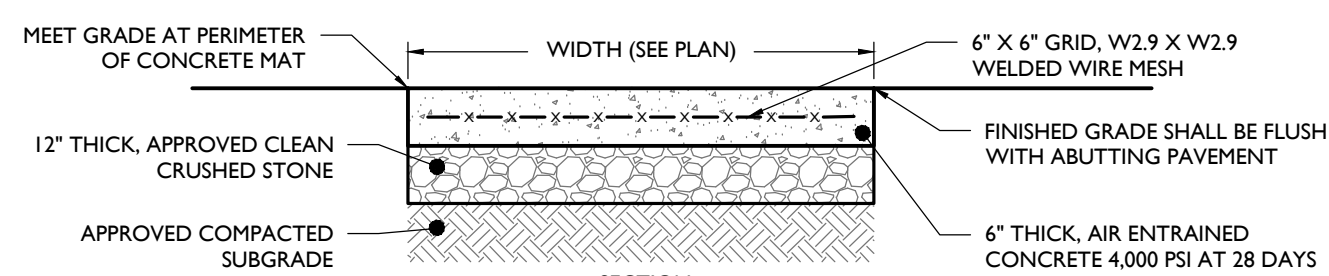
REINFORCED CONCRETE WALKWAY DETAIL
NOT TO SCALE

9



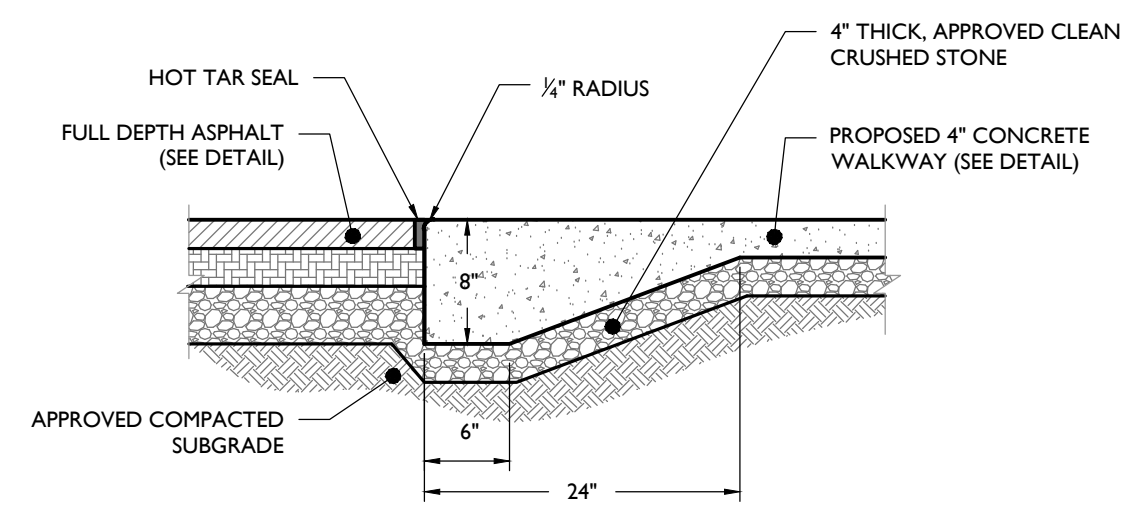
MONOLITHIC CONCRETE CURB DETAIL
NOT TO SCALE

10



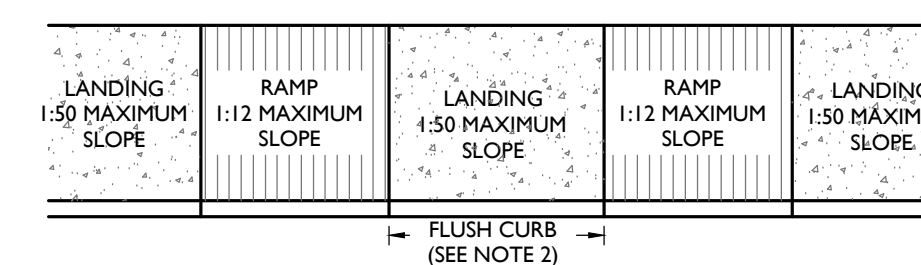
REINFORCED 6" CONCRETE MAT
NOT TO SCALE

11



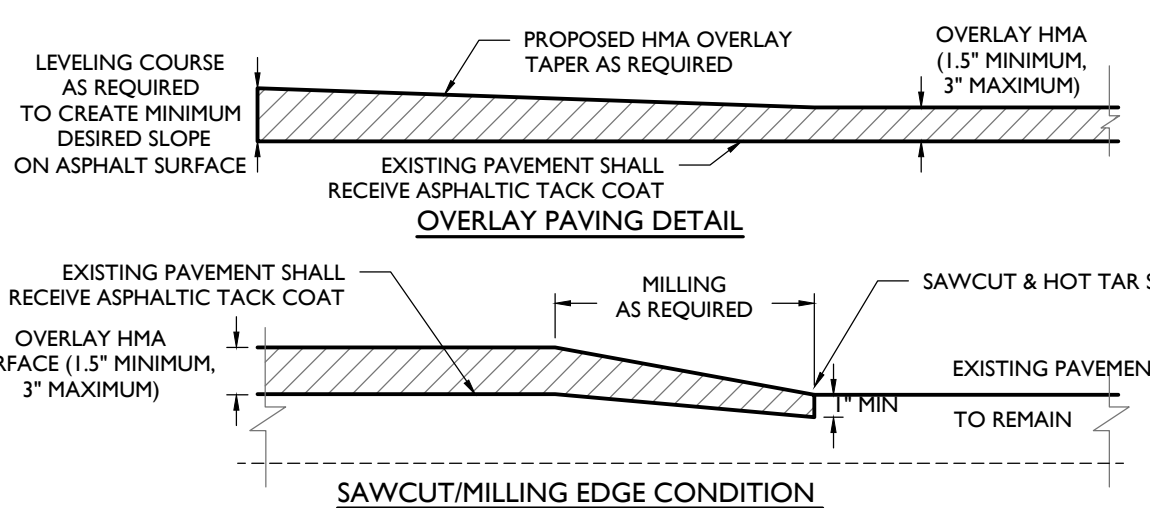
CONCRETE WALKWAY TO ASPHALT TRANSITION DETAIL
NOT TO SCALE

12



TRANSITION RAMP DETAIL
NOT TO SCALE

13



PAVEMENT MILLING & OVERLAY DETAIL
NOT TO SCALE

14

NO.	DATE	ISSUE	BY	DESCRIPTION
3	06/04/2024	KLO		FOR PLANNING BOARD RESUBMISSION
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1	12/08/2023	AB		FOR PLANNING BOARD SUBMISSION

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Phone 617.203.2076

ADA ARCHITECTS

PROPOSED PRIMROSE SCHOOL CHILD CARE CENTER

PARCEL ID: K10-0009 & K10-0040
225 BOSTON POST ROAD
THE TOWN OF SUBURBY
MIDDLESEX COUNTY, MASSACHUSETTS

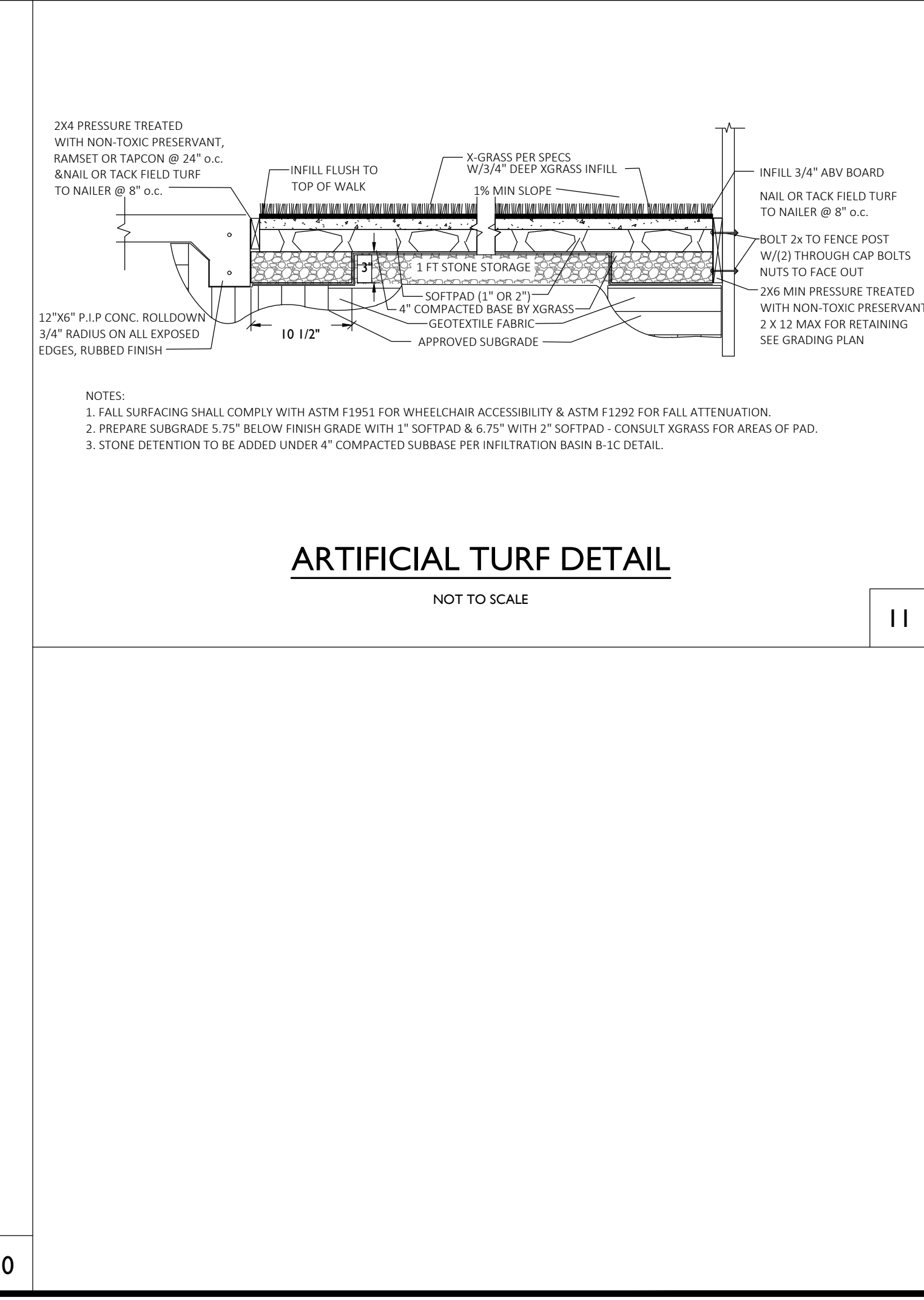
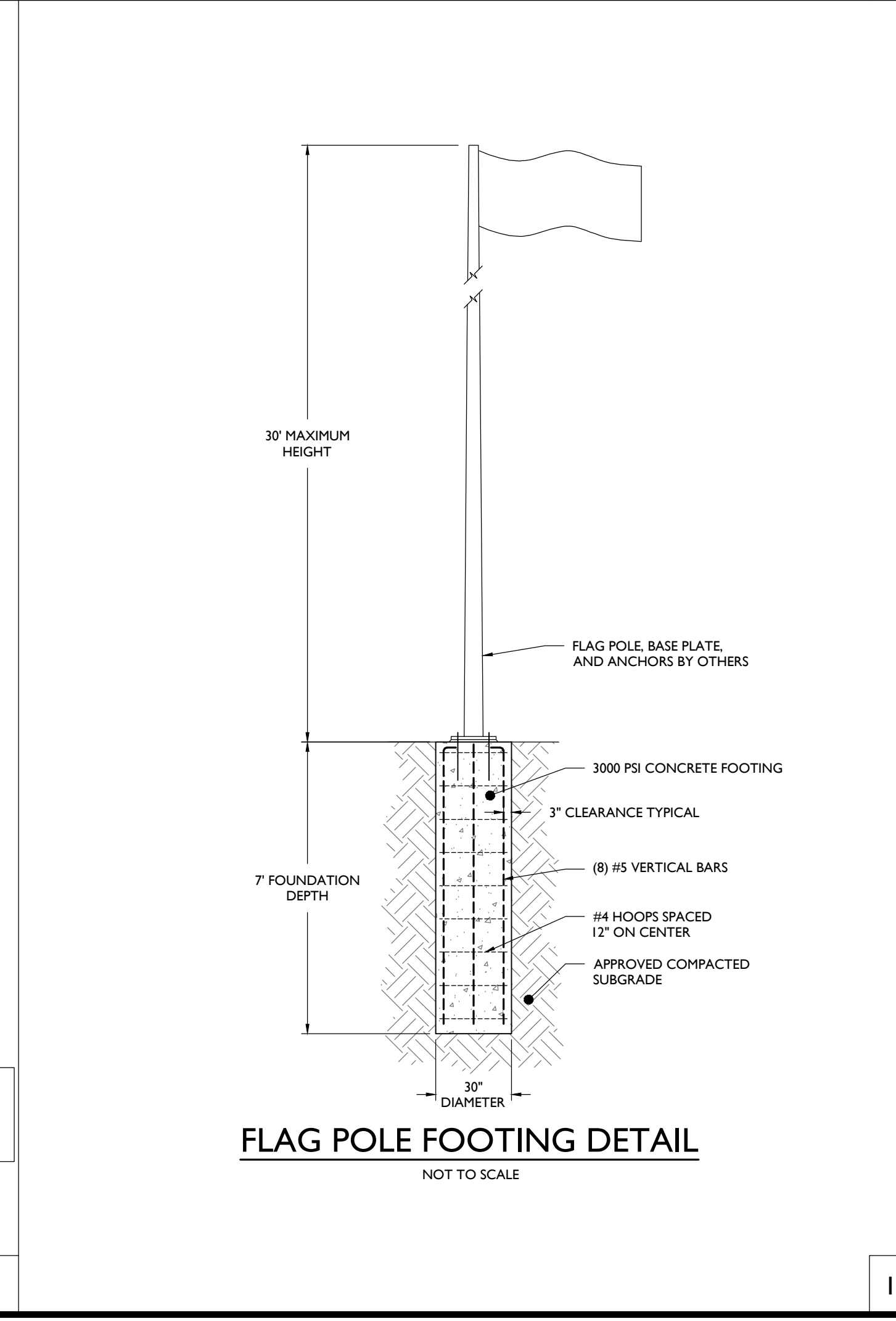
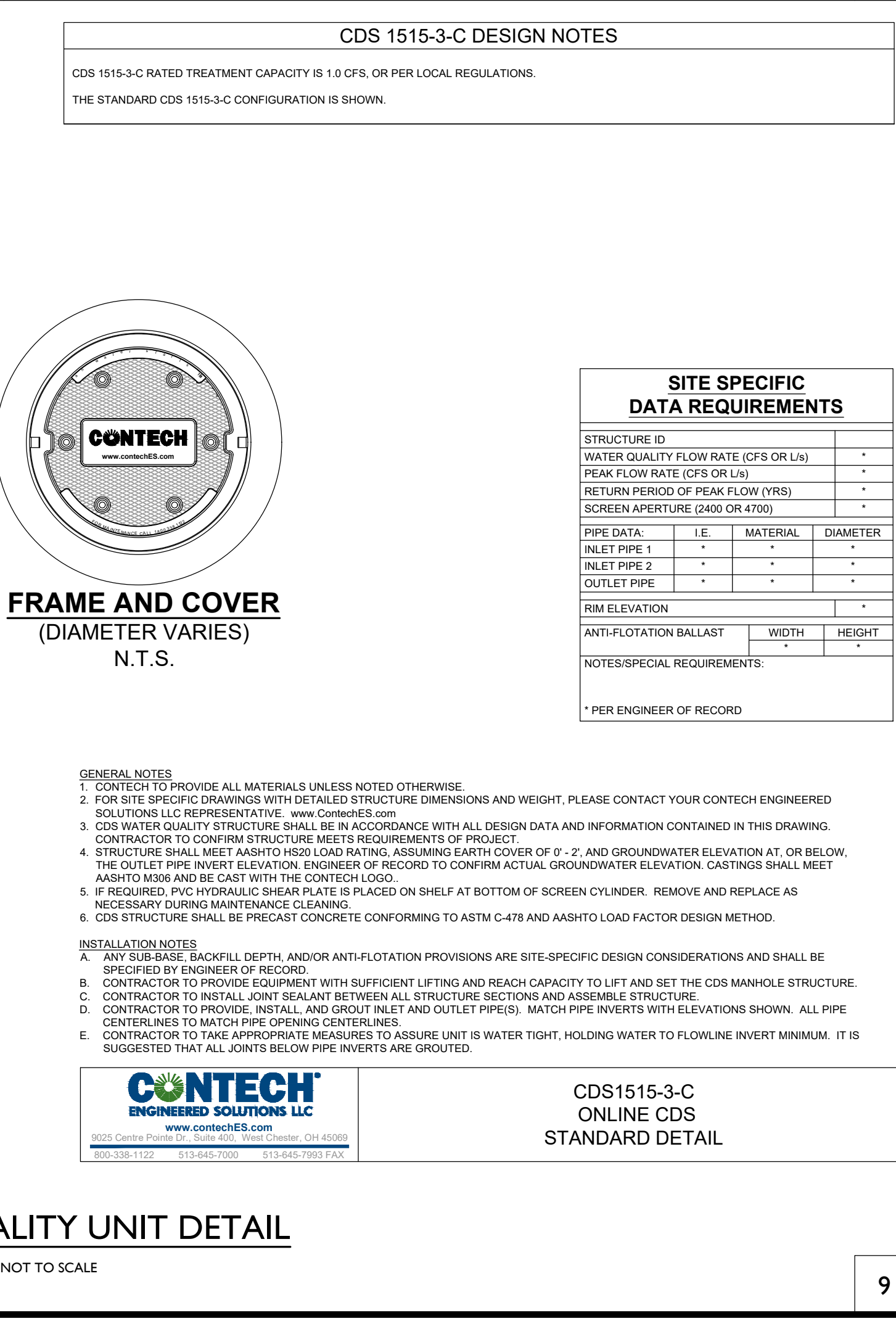
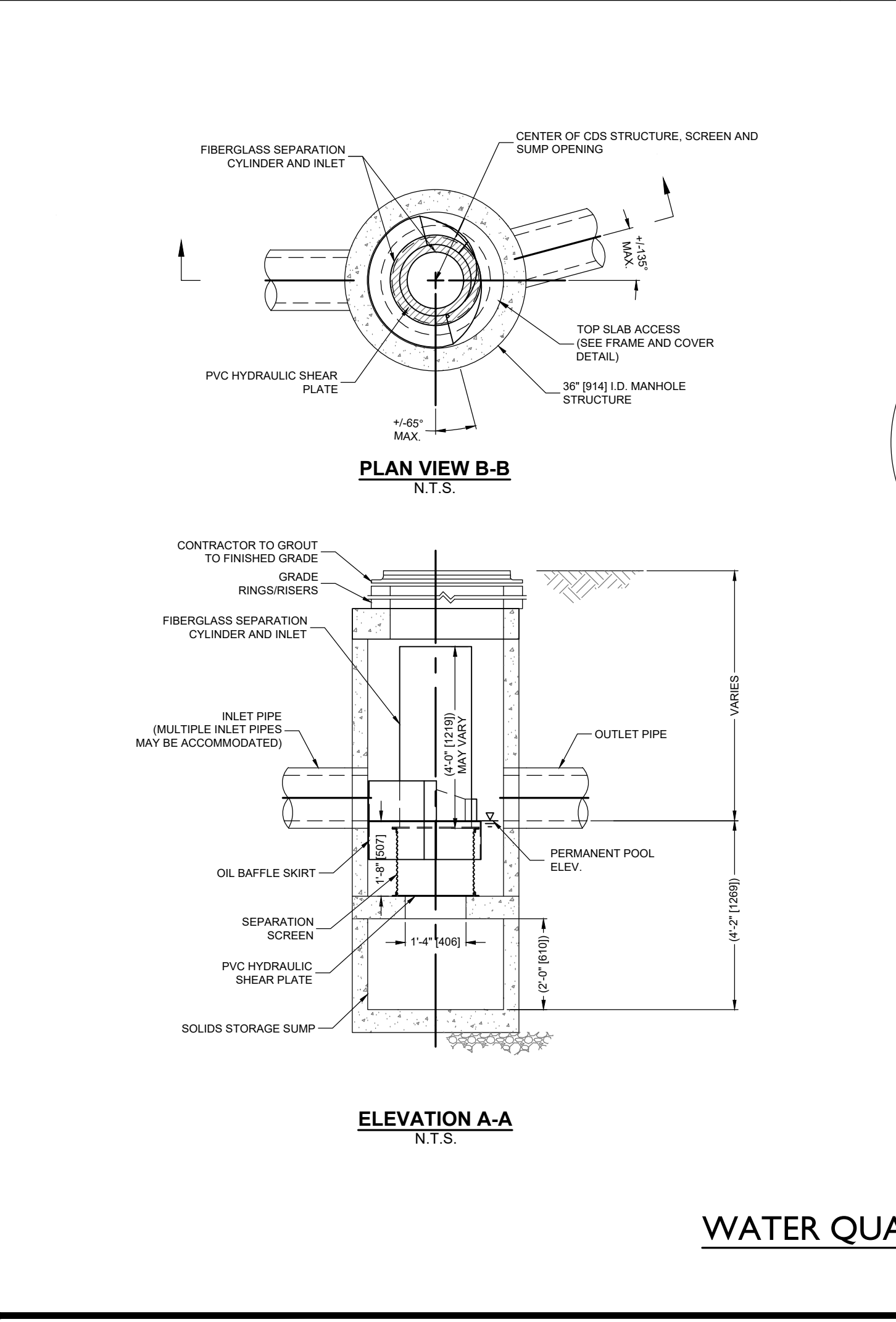
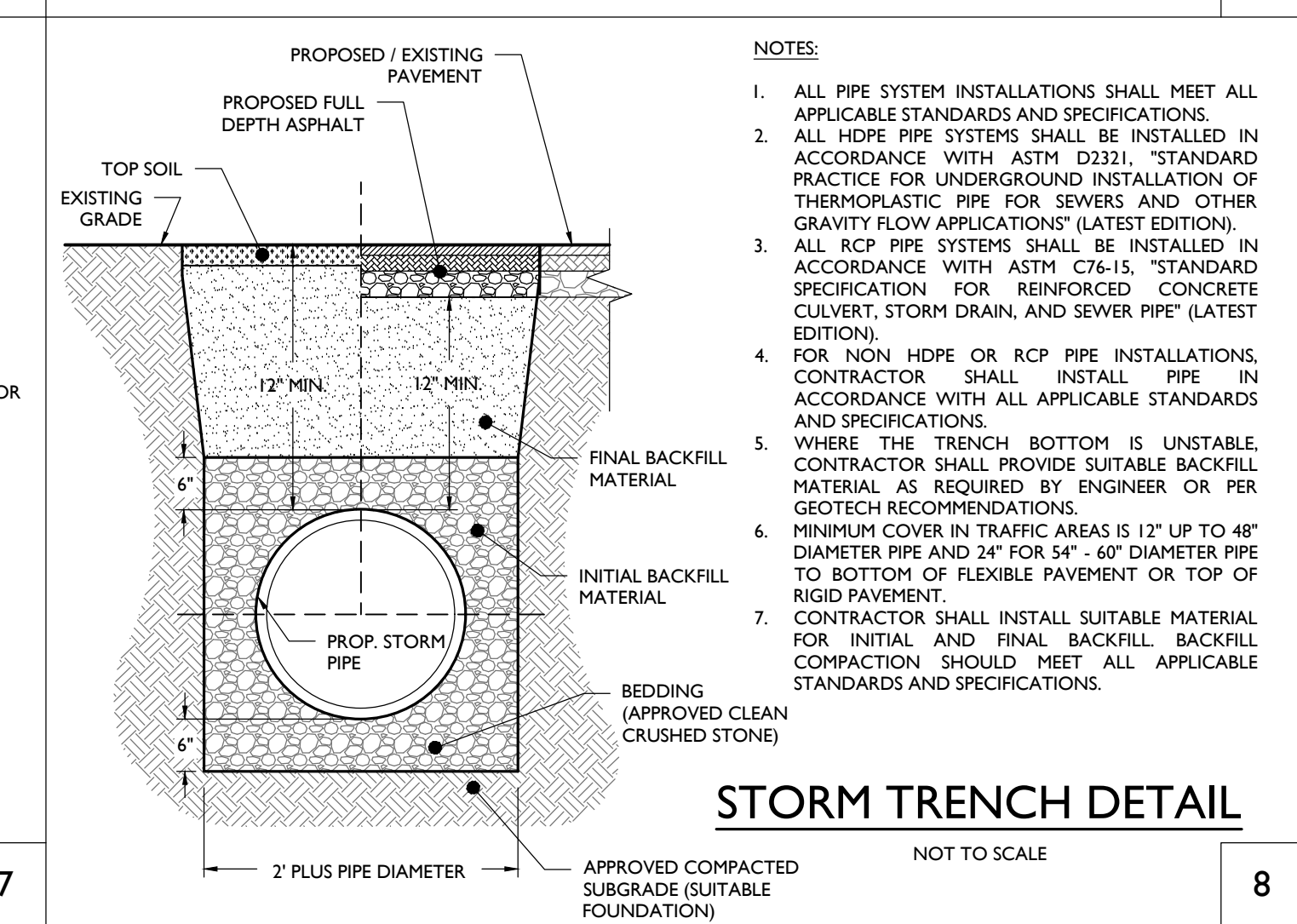
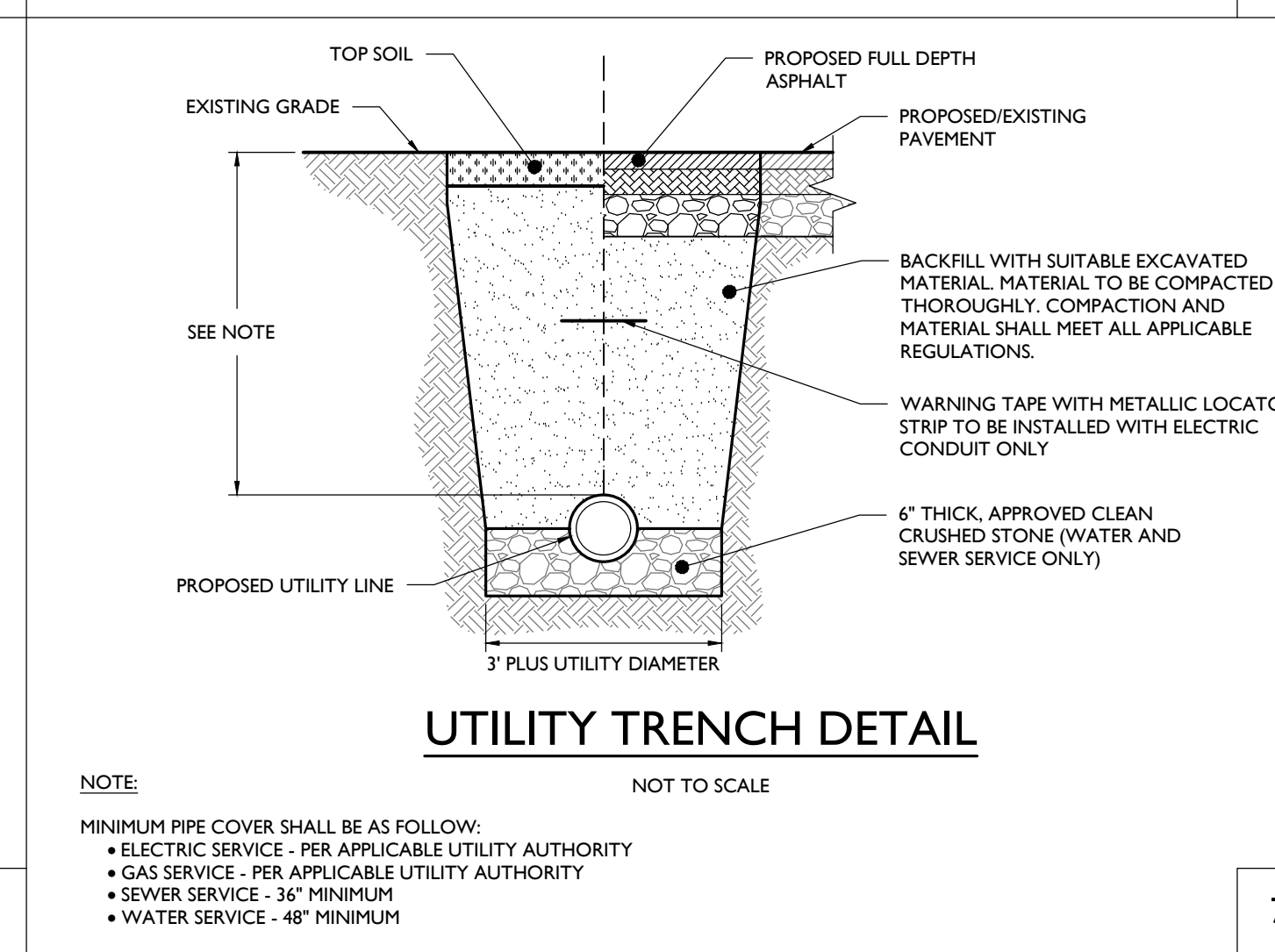
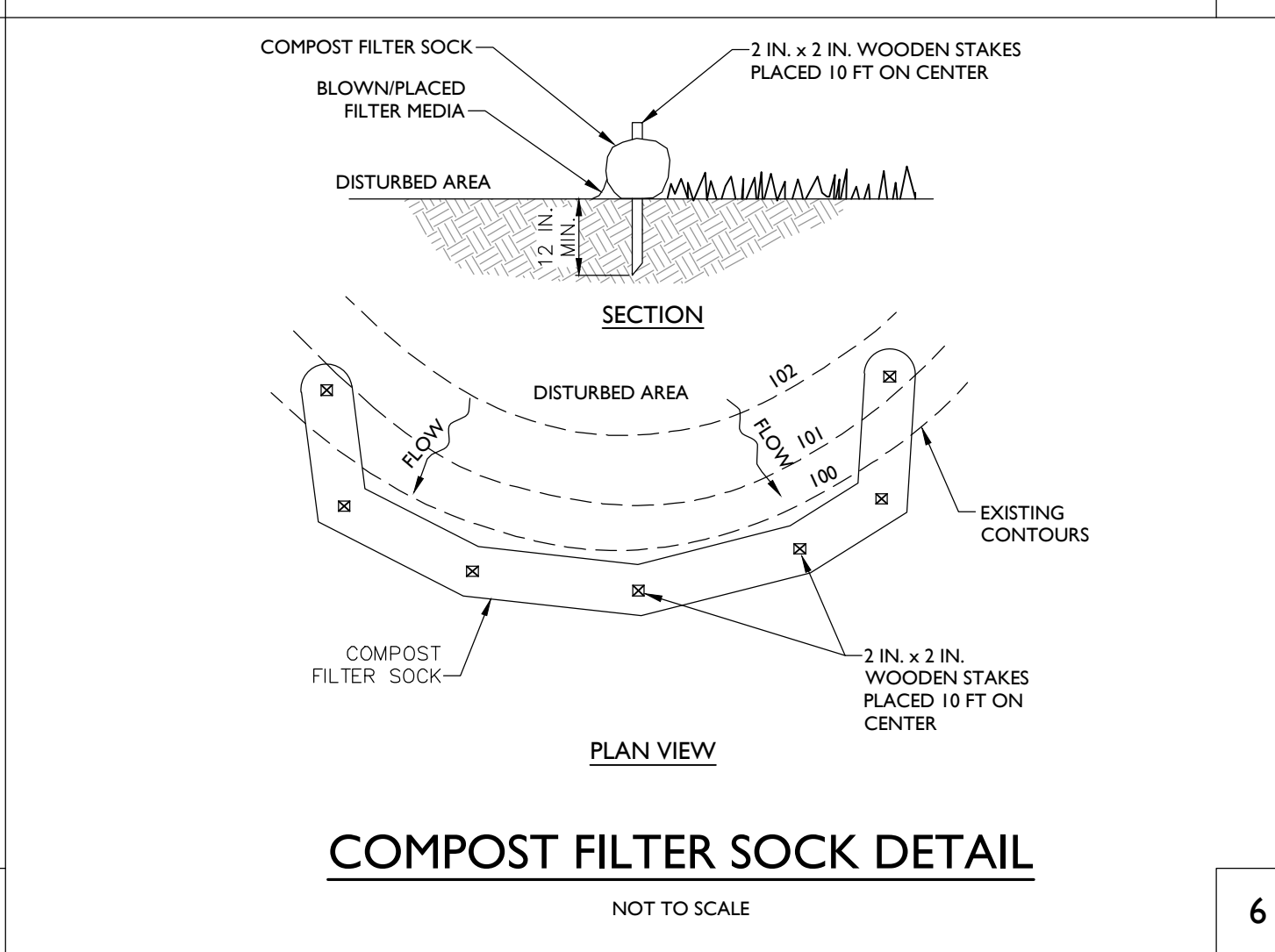
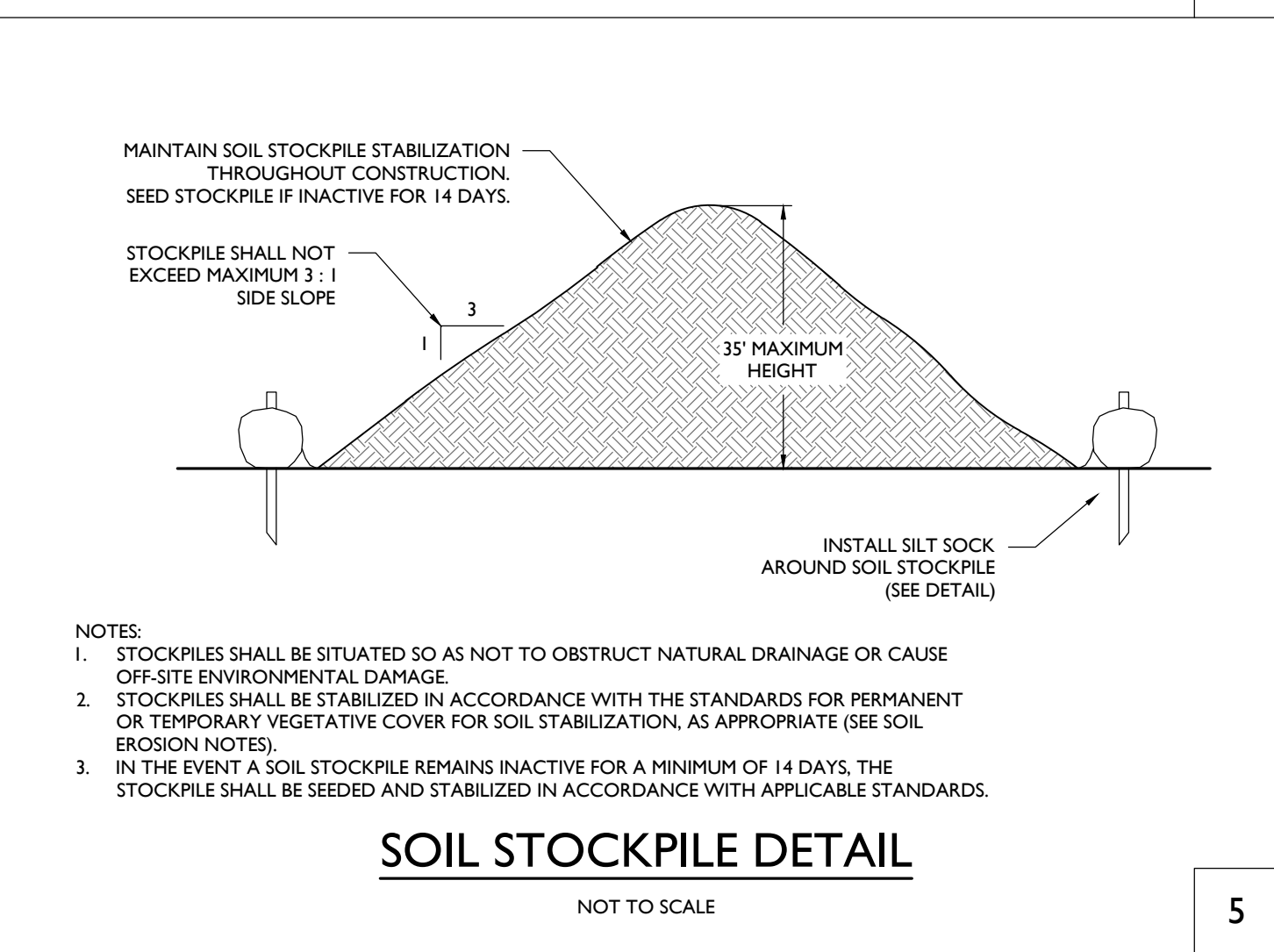
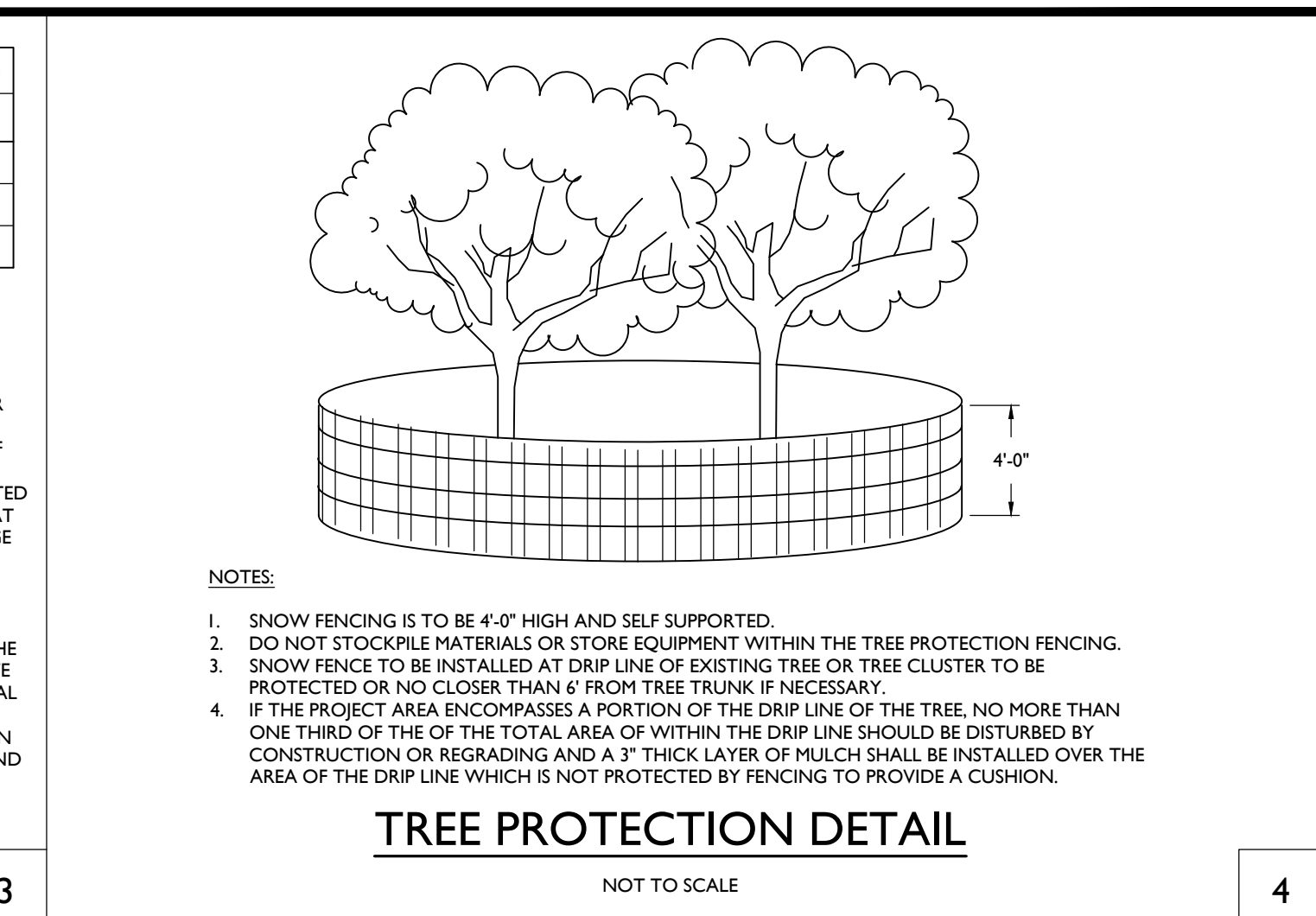
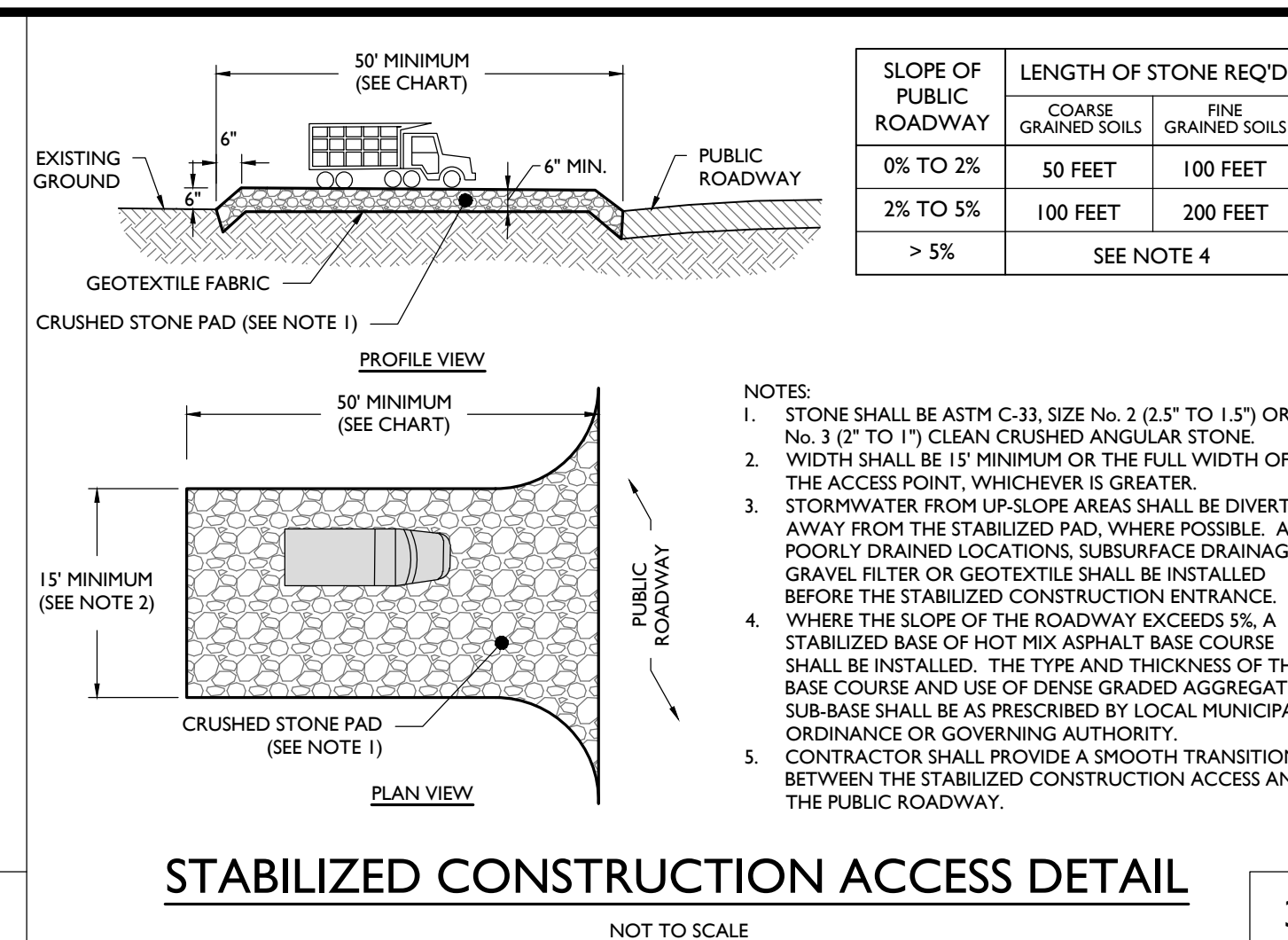
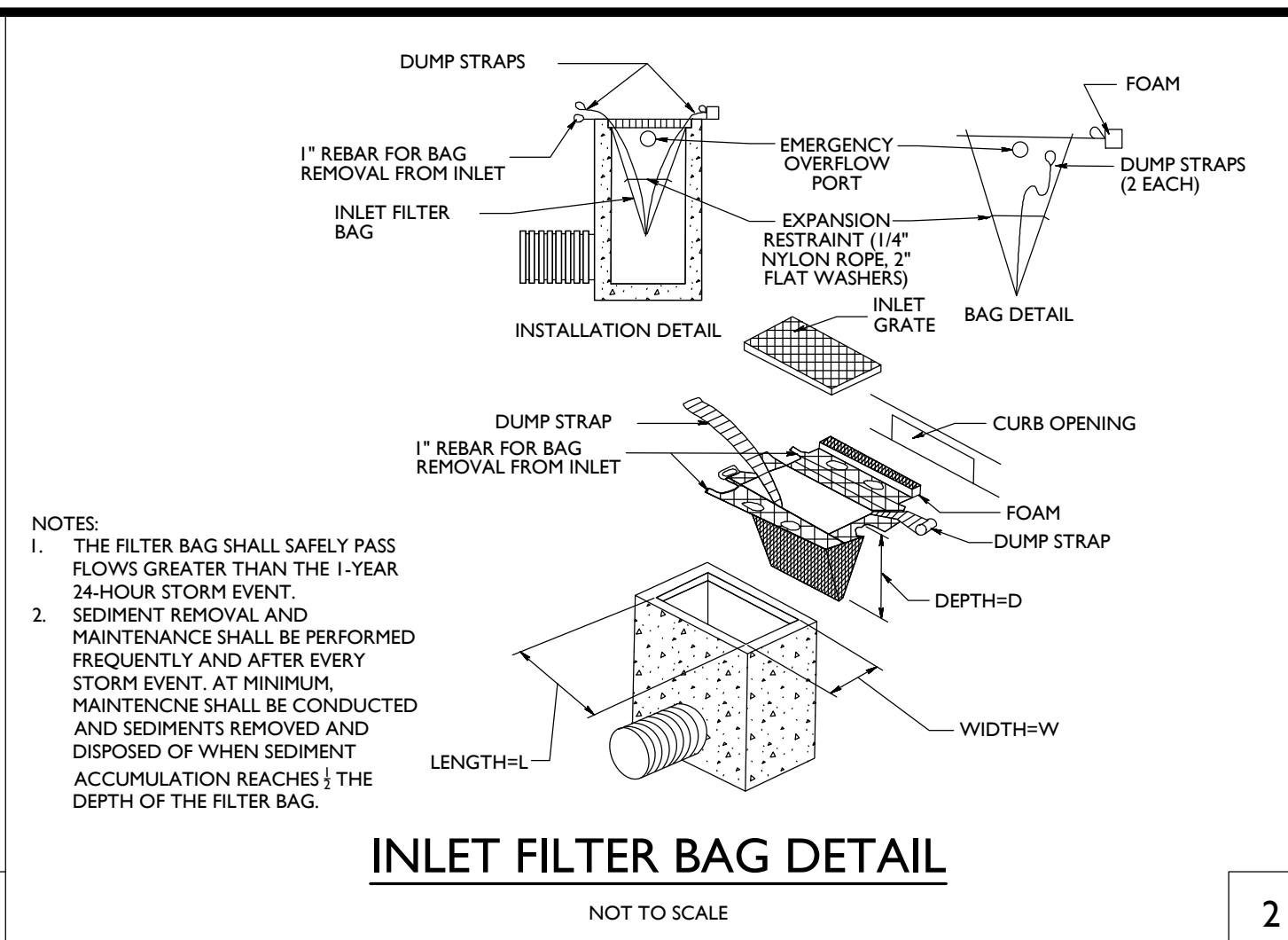
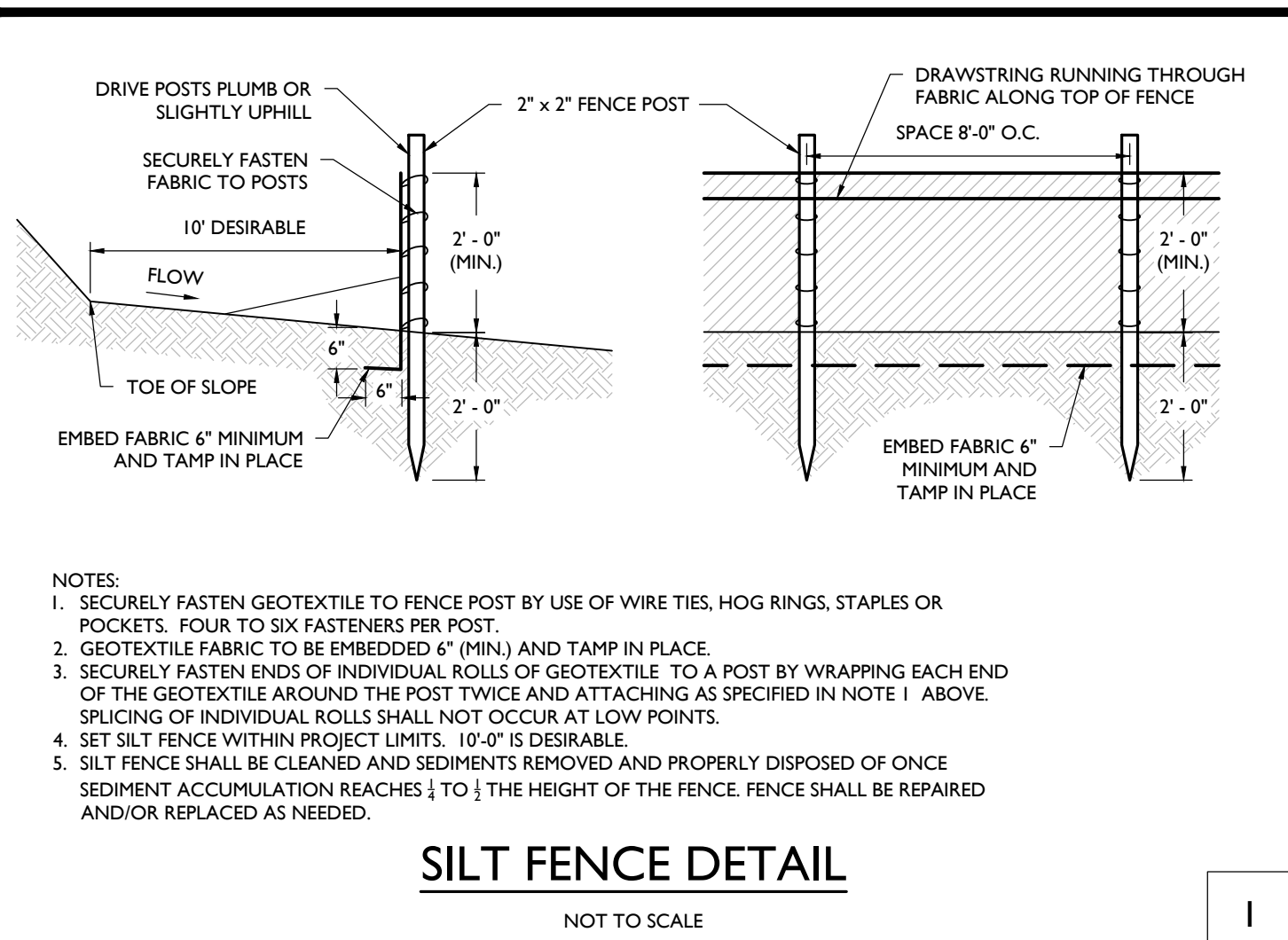
JOSHUA H. KLINE, P.E.
MASSACHUSETTS LICENSE No. 53936
LICENSED PROFESSIONAL ENGINEER

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SCALE: AS SHOWN PROJECT ID: BOS-230051

TITLE: **CONSTRUCTION DETAILS**

DRAWING: **C-10**



NO.	DATE	ISSUE	BY	DESCRIPTION
3	06/04/2024	KLO	FOR PLANNING BOARD RESUBMISSION	
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LAND DEVELOPMENT PLANS

ADA ARCHITECTS

PROPOSED PRIMROSE SCHOOL CHILD CARE CENTER

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MASSACHUSETTS LICENSE NO. 53936
LICENSED PROFESSIONAL ENGINEER

SCALE: AS SHOWN PROJECT ID: BOS-230051
TITLE:
CONSTRUCTION DETAILS
DRAWING:
C-11

2: BOSTON POST ROAD, SUBURRY, MA 01970

Category #: Project: Type: Prepared By: Date:

Mirada Medium (MRM) Outdoor LED Area Light



Overview table with columns: Lumens Package, Wattage Range, Efficacy Range (LPW), Weight (lbs/kg), Control Options.

Quick Links table with columns: Ordering Guide, Performance, Photometrics, Dimensions.

FEATURES & SPECIFICATIONS

- Construction
- Rugged die-cast aluminum housing contains factory prewired driver and optical unit.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip polyester powder coat finishing process.
- Shipping weight: 37 lbs in carton.

Optical System
- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IE5 Types 2, 3, 4, 5W, FT, FTA, AM, and LC-RC.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak Intensity at 610nm.
- Minimum CR of 70.
- Integral CIRL of 0 and integral half lower (H) options available for enhanced backlight control.

Category #: Project: Type: Prepared By: Date: Have questions? Call us at (800) 436-7800

Mirada Medium Outdoor LED Area Light

Typical Order Example table with columns: Prefix, Light Source, Lumen Package, Lens, Distribution, Orientation, Voltage, Driver.

Color Temp, Color Rendering, Finish, Options table with various configuration options.

Controls (Choose One) table with columns: Wireless Controls System, Stand-Alone Controls, Button Type PhotoCells.

Need more information? Have additional questions? Click here for our glossary. Call us at (800) 436-7800

Accessory Ordering Information table with columns: Description, Order Number, Fusing Options, Shielding Options.

- 1. Custom lumen and voltage packages available...
2. Not available with 10' distribution
3. Not factory for availability
4. Not available in IE
5. Motion sensor and ball compatible via an app that can be downloaded from your smartphone's native app store.
6. Control device or starting cap must be ordered separately.

Category #: Project: Type: Prepared By: Date: Have questions? Call us at (800) 436-7800

SRT1 EDGE-LIT CEILING/SURFACE/GARAGE

- FEATURES
- For ceiling mount and parking garage applications from an 8'-5' foot mounting height.
- Edge-lit flat lens for optimal visual comfort and uniformity across the lens.
- Two optical distributions specifically design for parking garage and canopy applications are available making the Beacon Edge-Lit Luminaire both versatile and functional.
- UL/cUL listed for wet locations, IP65 and 3G vibration rated.
- Occupancy sensor available for complete on/off and dimming operation.

Color Temp, Color Rendering, Finish, Options table with various configuration options.

Controls (Choose One) table with columns: Wireless Controls System, Stand-Alone Controls, Button Type PhotoCells.

Need more information? Have additional questions? Click here for our glossary. Call us at (800) 436-7800

Accessory Ordering Information table with columns: Description, Order Number, Fusing Options, Shielding Options.

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Category #: Project: Type: Prepared By: Date: Have questions? Call us at (800) 436-7800

SRT1 EDGE-LIT CEILING/SURFACE/GARAGE

Typical Order Example table with columns: Prefix, Light Source, Lumen Package, Lens, Distribution, Orientation, Voltage, Driver.

Color Temp, Color Rendering, Finish, Options table with various configuration options.

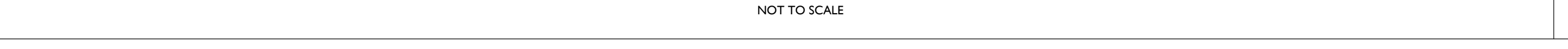
Controls (Choose One) table with columns: Wireless Controls System, Stand-Alone Controls, Button Type PhotoCells.

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Accessory Ordering Information table with columns: Description, Order Number, Fusing Options, Shielding Options.

- 1. Custom lumen and voltage packages available...
2. Not available with 10' distribution
3. Not factory for availability
4. Not available in IE
5. Motion sensor and ball compatible via an app that can be downloaded from your smartphone's native app store.
6. Control device or starting cap must be ordered separately.

LIGHT FIXTURE 'A' & 'D' DETAIL



Category #: Project: Type: Prepared By: Date:

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce



Overview table with columns: Lumens Package, Wattage Range, Efficacy Range (LPW), Weight (lbs/kg), Control Options.

Quick Links table with columns: Ordering Guide, Performance, Photometrics, Dimensions.

FEATURES & SPECIFICATIONS

- Construction
- Rugged die-cast aluminum housing contains factory prewired driver and optical unit.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip polyester powder coat finishing process.
- Shipping weight: 30lbs in carton.

Optical System
- State-of-the-Art one piece silicone optic provides industry leading optical control while also acting as an integrated gasket reducing system complexity and improving fixture reliability.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IE5 Types 2, 3, 4, and FT distributions.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak Intensity at 610nm.
- Minimum CR of 70.

Electrical
- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.

Category #: Project: Type: Prepared By: Date: Have questions? Call us at (800) 436-7800

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Typical Order Example table with columns: Family, Distribution, Light Source, Lumen Package, Color Temperature.

Voltage, Finish, Controls, Options table with various configuration options.

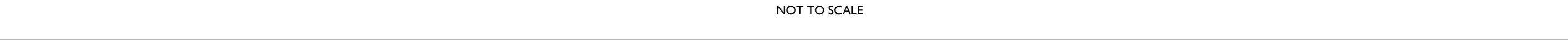
Controls (Choose One) table with columns: Wireless Controls System, Stand-Alone Controls, Button Type PhotoCells.

Need more information? Have additional questions? Click here for our glossary. Call us at (800) 436-7800

Accessory Ordering Information table with columns: Part Number, Description, Mounting Accessory Ordering Information.

- 1. Custom lumen and voltage packages available...
2. Not available with 10' distribution
3. Not factory for availability
4. Not available in IE
5. Motion sensor and ball compatible via an app that can be downloaded from your smartphone's native app store.
6. Control device or starting cap must be ordered separately.

LIGHT FIXTURE 'B' DETAIL



Category #: Project: Type: Prepared By: Date:

SRT1 EDGE-LIT CEILING/SURFACE/GARAGE



Overview table with columns: Lumens Package, Wattage Range, Efficacy Range (LPW), Weight (lbs/kg), Control Options.

Quick Links table with columns: Ordering Guide, Performance, Photometrics, Dimensions.

FEATURES & SPECIFICATIONS

- Construction
- For ceiling mount and parking garage applications from an 8'-5' foot mounting height.
- Edge-lit flat lens for optimal visual comfort and uniformity across the lens.
- Two optical distributions specifically design for parking garage and canopy applications are available making the Beacon Edge-Lit Luminaire both versatile and functional.
- UL/cUL listed for wet locations, IP65 and 3G vibration rated.
- Occupancy sensor available for complete on/off and dimming operation.

HOUSING
- Die-cast aluminum housing ensures long electrical component life and luminaire performance.
- Corrosion resistant powder coat finish both protects and provides architectural appearance.
- One piece molded silicone gasket ensures weather proof seal.
- Thermally isolated driver mounted to dedicated bracket reduces operating temperatures and increases driver life and reliability.

INSTALLATION
- Standard quick mount plate over standard 4" junction box or octagonal junction box and allows for simplified fixture installation.
- Standard luminaire accepts a rigid or 3/4" NPT stem for pendant mounting via wet location j-box (by others).
- Optional bar detent allows for simplified field installation.

OPTIONS/CONTROLS
- Standalone occupancy sensor available for on/off or dimming operation.
- Uplight option provides approximately 800 lumens and consumes only 8 additional watts.
- Vendor resistant wire guard available as an option for factory installation or as an accessory for field installation.
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

LIGHT FIXTURE 'C' DETAIL



Category #: Project: Type: Prepared By: Date:

MOUNTING ACCESSORY ORDERING INFORMATION*

Table with columns: Part Number, Description.

FEATURES & SPECIFICATIONS

- Construction
- For ceiling mount and parking garage applications from an 8'-5' foot mounting height.
- Edge-lit flat lens for optimal visual comfort and uniformity across the lens.
- Two optical distributions specifically design for parking garage and canopy applications are available making the Beacon Edge-Lit Luminaire both versatile and functional.
- UL/cUL listed for wet locations, IP65 and 3G vibration rated.
- Occupancy sensor available for complete on/off and dimming operation.

HOUSING
- Die-cast aluminum housing ensures long electrical component life and luminaire performance.
- Corrosion resistant powder coat finish both protects and provides architectural appearance.
- One piece molded silicone gasket ensures weather proof seal.
- Thermally isolated driver mounted to dedicated bracket reduces operating temperatures and increases driver life and reliability.

INSTALLATION
- Standard quick mount plate over standard 4" junction box or octagonal junction box and allows for simplified fixture installation.
- Standard luminaire accepts a rigid or 3/4" NPT stem for pendant mounting via wet location j-box (by others).
- Optional bar detent allows for simplified field installation.

OPTIONS/CONTROLS
- Standalone occupancy sensor available for on/off or dimming operation.
- Uplight option provides approximately 800 lumens and consumes only 8 additional watts.
- Vendor resistant wire guard available as an option for factory installation or as an accessory for field installation.
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

LIGHT FIXTURE 'C' DETAIL



Category #: Project: Type: Prepared By: Date:

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Overview table with columns: Lumens Package, Wattage Range, Efficacy Range (LPW), Weight (lbs/kg), Control Options.

Quick Links table with columns: Ordering Guide, Performance, Photometrics, Dimensions.

FEATURES & SPECIFICATIONS

- Construction
- Rugged die-cast aluminum housing contains factory prewired driver and optical unit.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip polyester powder coat finishing process.
- Shipping weight: 30lbs in carton.

Optical System
- State-of-the-Art one piece silicone optic provides industry leading optical control while also acting as an integrated gasket reducing system complexity and improving fixture reliability.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IE5 Types 2, 3, 4, and FT distributions.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak Intensity at 610nm.
- Minimum CR of 70.

Electrical
- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.

LIGHT FIXTURE 'C' DETAIL



Category #: Project: Type: Prepared By: Date:

MOUNTING ACCESSORY ORDERING INFORMATION*

Table with columns: Part Number, Description.

FEATURES & SPECIFICATIONS

- Construction
- For ceiling mount and parking garage applications from an 8'-5' foot mounting height.
- Edge-lit flat lens for optimal visual comfort and uniformity across the lens.
- Two optical distributions specifically design for parking garage and canopy applications are available making the Beacon Edge-Lit Luminaire both versatile and functional.
- UL/cUL listed for wet locations, IP65 and 3G vibration rated.
- Occupancy sensor available for complete on/off and dimming operation.

HOUSING
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OPTIONS/CONTROLS
- Standalone occupancy sensor available for on/off or dimming operation.
- Uplight option provides approximately 800 lumens and consumes only 8 additional watts.
- Vendor resistant wire guard available as an option for factory installation or as an accessory for field installation.
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

Table for planning board resubmission and commission submission.

NOT APPROVED FOR CONSTRUCTION

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