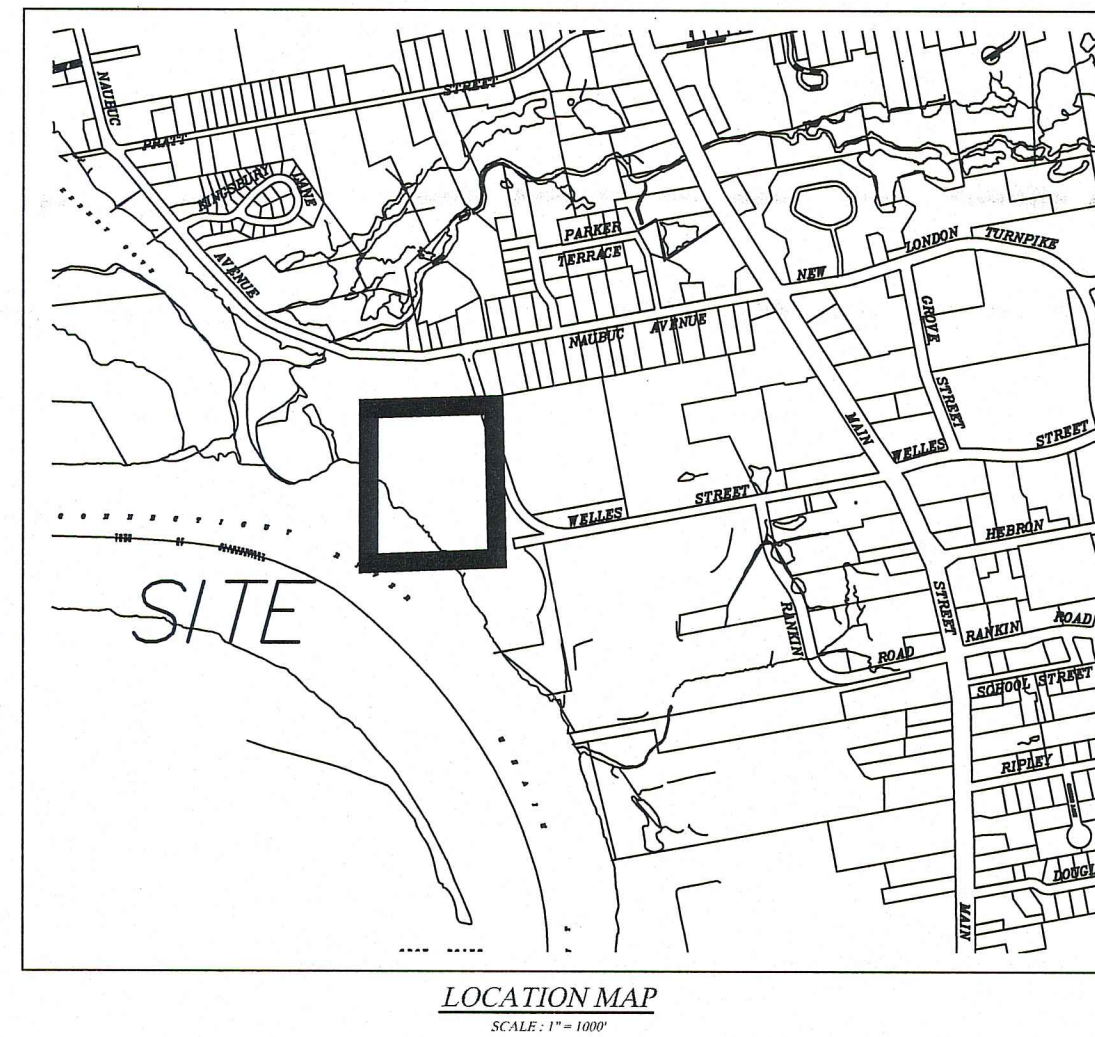


FILE: H:\DWG\Streets\Welles St\PW-2215 RCC PAVILION\PW-2215 Community Center Pavilion - Design.dwg USER: Steven Troy DATE: 4/2/2024

TOWN OF GLASTONBURY COMMUNITY CENTER PAVILION AND PICKLEBALL COURT ILLUMINATION PW - 2215 LOCATED ON 300 WELLES STREET



JONATHAN LUIZ
TOWN MANAGER

DANIEL A. PENNINGTON
MANAGER OF PHYSICAL SERVICES/TOWN ENGINEER

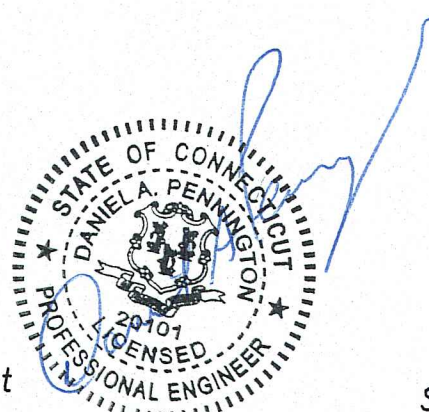
TABLE OF CONTENTS

COVER SHEET
CONSTRUCTION PLANS
DETAILS
PAVILION DESIGN PLAN

SHEET 1
SHEET 2-3
SHEET 4
SHEET 5

ISSUED FOR CONSTRUCTION

Certified to be substantially correct

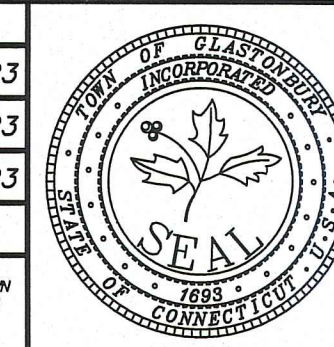


DANIEL A. PENNINGTON P.E. Reg. No. 20101

SHEET NO. 1-4
DESIGNED BY: GLASTONBURY ENGINEERING DIVISION
PER: DANIEL A. PENNINGTON, P.E.
CONN. P.E. REGISTRATION: 20101

P.W. 2215

DRAWING ISSUE STATUS		SCALE: AS SHOWN	DATE:
		DRAWN BY: S.Troy	11-3-2023
		CHECKED BY: S.M.B.	11-3-2023
		APPROVED BY: D.A.P.	11-3-2023
2.	ISSUED FOR CONSTRUCTION	4-12-2024	ST. FILE:
1.	ISSUED FOR PERMITTING	11-3-2023	
NO.	DESCRIPTION	DATE	



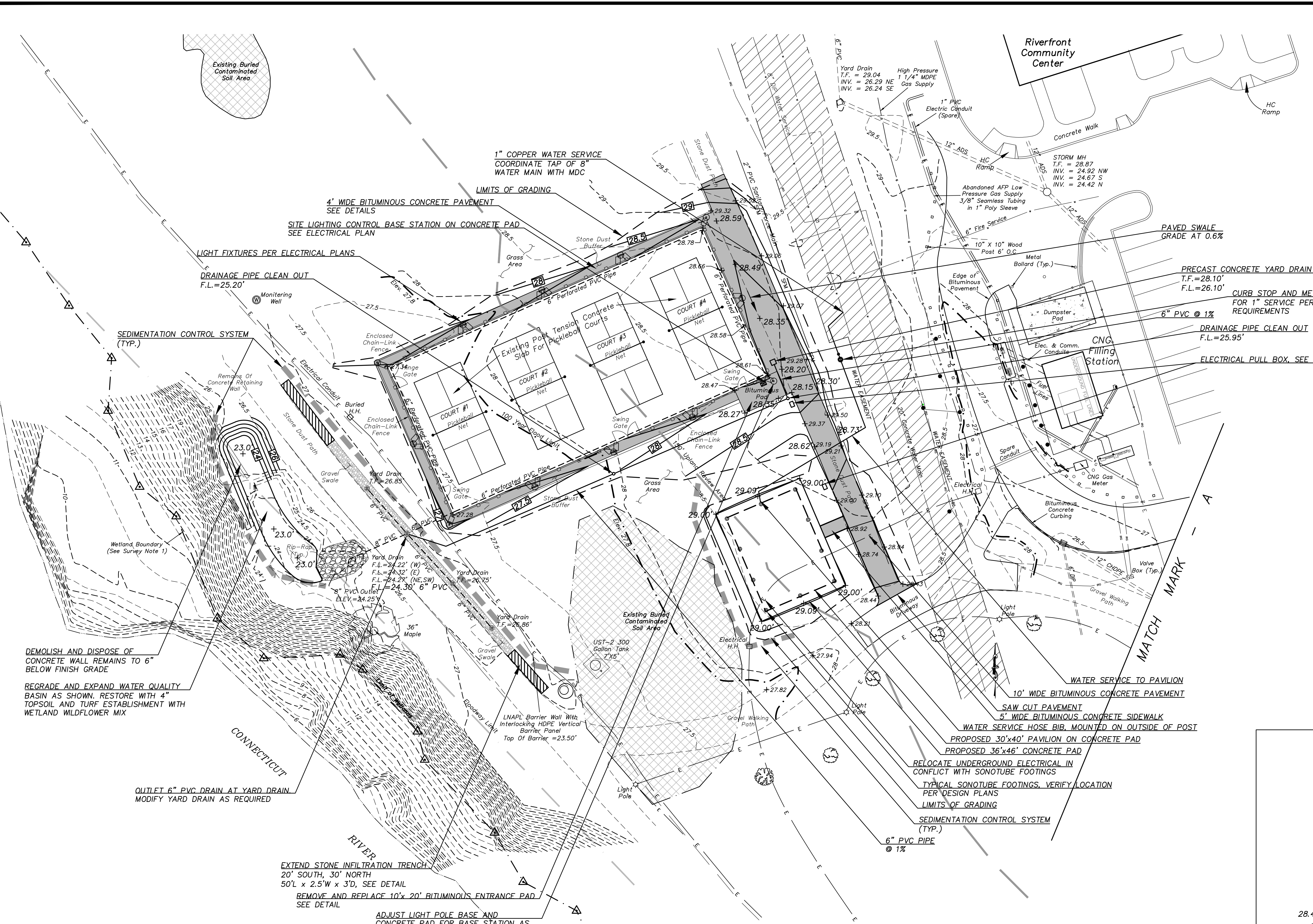
PLANS DEPICTING
COMMUNITY CENTER PAVILLION
LOCATED AT
RIVERFRONT COMMUNITY CENTER
300 WELLES STREET
GLASTONBURY, CONNECTICUT

SHEET NO.

1

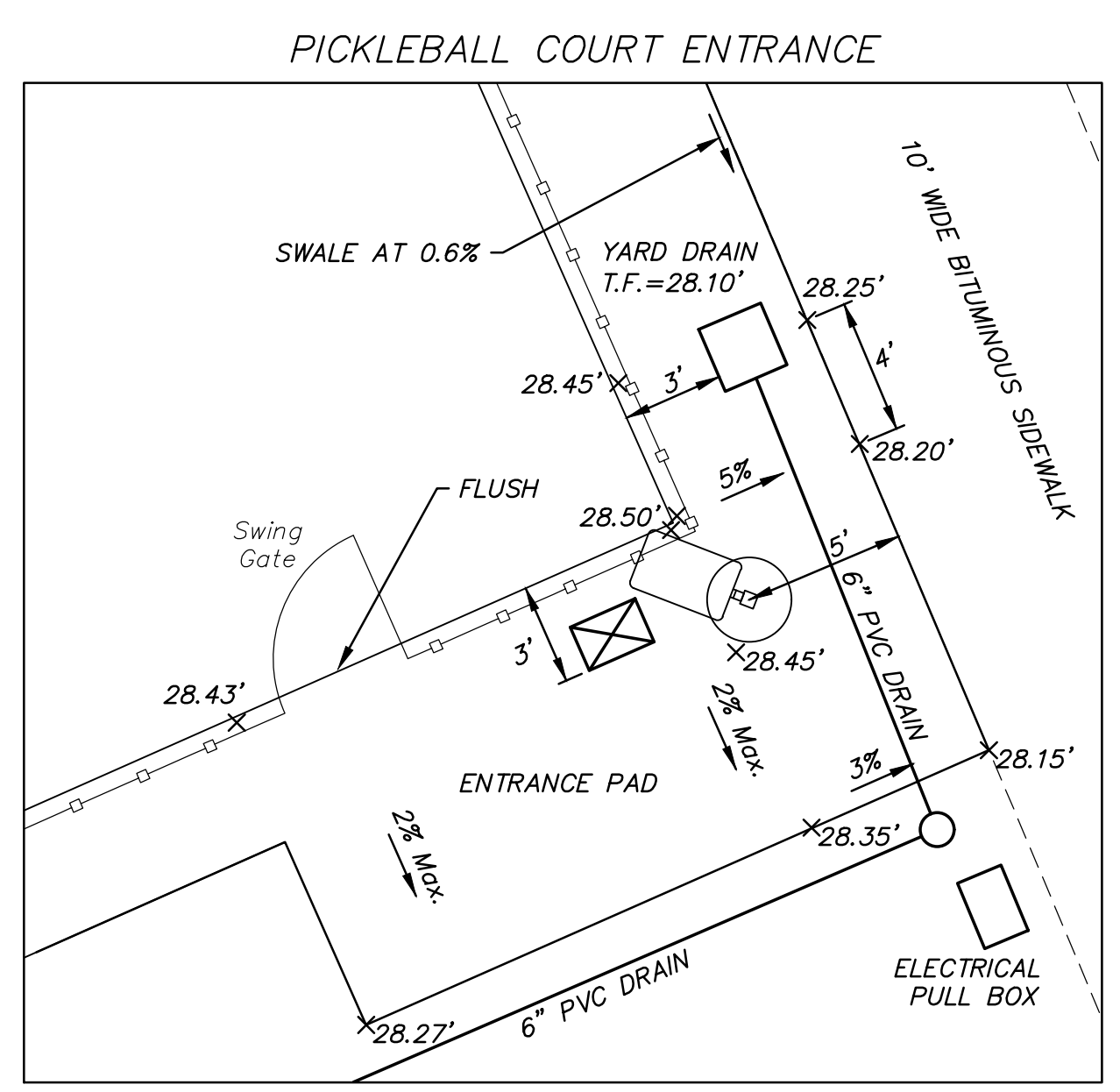
OF 4

FILE: H:\DWG\Stevens\Welles\SPW-2215\RCPPAVILLION\PH-2215 Community Center Pavillion - Design.dwg USER: Steven Troy DATE: 4/12/2024



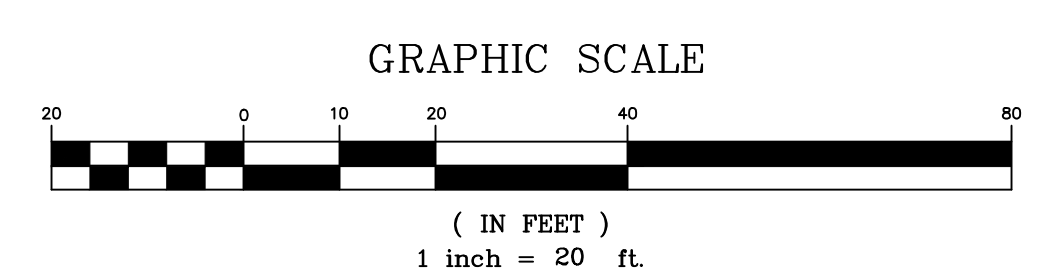
- GENERAL SEDIMENTATION AND EROSION CONTROL REQUIREMENTS:**
- THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.
- IN GENERAL, ALL ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE DEPARTMENT OF PHYSICAL SERVICES SHALL LIMIT, INsofar AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INsofar AS POSSIBLE, EROSION ON THE SITE.
- CONSTRUCTION METHODS, IN GENERAL, SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.
1. ALL CONTROL MEASURES SHALL BE INSTALLED AS NOTED ABOVE AND AS SHOWN ON THE PLANS.
 2. ALL CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK, INCLUDING PRE-CONSTRUCTION CLEARING AND GRUBBING.
 3. ALL CONTROL MEASURES SHALL BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
 4. NO CONTROL MEASURES SHALL BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.
 5. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY BY THE ENGINEER.
 6. THE LIMITS OF CLEARING, GRADING AND DISTURBANCE, AS SHOWN ON THE PLAN(S), SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE THE LIMITS OF CLEARING SHALL REMAIN TOTALLY UNDISTURBED.
 7. ANY CONTROL MEASURES RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT IMMEDIATELY REMOVED, AND ALL DAMAGED CONTROL MEASURES SHALL BE REMOVED AND REPLACED.
 8. ALL NEW AND EXISTING CATCH BASINS LOCATED WITHIN THE PROJECT LIMITS SHALL BE PROTECTED WITH A SEDIMENTATION CONTROL SYSTEM IN GRASSED AREAS OR WITH A SEDIMENTATION CONTROL SACK IN PAVED AREAS UNTIL ALL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
 9. SEDIMENT REMOVED FROM CONTROL MEASURES AND DRAINAGE FACILITIES SHALL BE DISPOSED OF IN A MANNER THAT IS CONSISTENT WITH STATE AND LOCAL REGULATIONS.
 10. THE PLANTING SEASONS FOR THE SPECIFIED SEED MIXTURE SHALL BE AS DEFINED IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, UNLESS DIRECTED OTHERWISE BY THE TOWN ENVIRONMENTAL PLANNER. OUTSIDE OF THESE SPECIFIED DATES, AREAS WILL BE STABILIZED WITH HAYBALE, CHECK DAMS, FILTER FABRIC, OR WOODCHIP MULCH AS REQUIRED TO CONTROL EROSION.

- MAINTENANCE PLAN FOR STORMWATER FACILITIES:**
- GENERAL: THE PROPOSED DRAINAGE SYSTEM TO BE INSTALLED AS PART OF THIS PROJECT WILL REQUIRE ROUTINE MAINTENANCE IN ORDER TO MAINTAIN PROPER FUNCTION OF WATER QUALITY IMPROVEMENT FEATURES. THESE FEATURES INCLUDE THE WATER QUALITY BASIN AND INFILTRATION TRENCH. THE TOWN OF GLASTONBURY HIGHWAY DEPARTMENT WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL COMPONENTS OF THE PROPOSED STORM DRAINAGE SYSTEM.
- WATER QUALITY BASIN: WATER QUALITY BASIN WILL BE MOWED AS NECESSARY TO PREVENT WOODY VEGETATIVE GROWTH WHICH WOULD INHIBIT FUNCTION. BASIN WILL BE INSPECTED ANNUALLY FOR SIGNS OF SEDIMENT DEPOSITS OR EROSION AND CLEANED AS NECESSARY.
- INFILTRATION TRENCH: SURFICIAL STONE OF INFILTRATION TRENCH SHALL BE KEPT FREE OF DEBRIS AND ORGANIC MATERIAL THAT WOULD INHIBIT THE FLOW OF SURFACE WATER INTO THE TRENCH. GRASS CLIPPING AND LEAF DEBRIS SHALL BE COLLECTED OR BLOWN OFF FROM THE SURFACE OF THE TRENCH DURING ROUTINE MOWING AND LEAF REMOVAL OPERATIONS TO MAINTAIN INFILTRATION POTENTIAL.



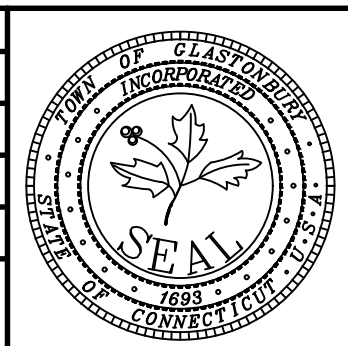
BITUMINOUS PAD GRADING DETAIL SCALE: 1"=5'

- SURVEY NOTES:**
1. LOCATION OF FEATURES AND CONTOUR DATA DEPICTED HEREON WITHIN THE GROUNDS OF THE RIVERFRONT COMMUNITY CENTER (ABOVE ELEVATION 24) WERE ACQUIRED BY FIELD SURVEY IN APRIL OF 2021, SUPPLEMENTED BY RECORD TOPOGRAPHIC INFORMATION ALONG THE CT RIVER BANK COMPILED FROM THE PLAN ENTITLED "ASBUILT TOPOGRAPHIC SURVEY PROPERTY OF THE TOWN OF GLASTONBURY LOCATED AT 252 AND 300 WELLES STREET" PREPARED AS PART OF THE RIVERFRONT PARK PHASE 2 PROJECT. WETLANDS DELINEATION DEPICTED HEREON WAS ALSO OBTAINED FROM THE AFORE-MENTIONED PLAN.
 2. REFERENCE FOR FLOOD WAY AND FLOOD ZONES IS MADE TO THE FLOOD INSURANCE RATE MAP ENTITLED: "NATIONAL FLOOD INSURANCE PROGRAM PANEL 0528F FIRM FLOOD INSURANCE RATE MAP HARTFORD COUNTY, CONNECTICUT (ALL JURISDICTIONS) PANEL 528 OF 675 MAP NUMBER 09003C05528F U.S. DEPARTMENT OF HOMELAND SECURITY EFFECTIVE DATE: SEPTEMBER 26, 2008 FEDERAL EMERGENCY MANAGEMENT AGENCY."
 3. HORIZONTAL CONTROL IS BASED ON THE CONNECTICUT GEODETIC SURVEY STATE PLANE COORDINATES, NORTH AMERICAN DATUM OF 1983 - (NAD83).
 4. ELEVATIONS AND VERTICAL CONTROL IS BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 - (NAVD88).
 5. THERE IS NO BOUNDARY/DETERMINATION OPINION.
 6. NO EASEMENTS PERTAINING TO THE SUBJECT PARCEL ARE DEPICTED HEREON.
 7. NOT ALL IMPROVEMENTS ARE DEPICTED HEREON.



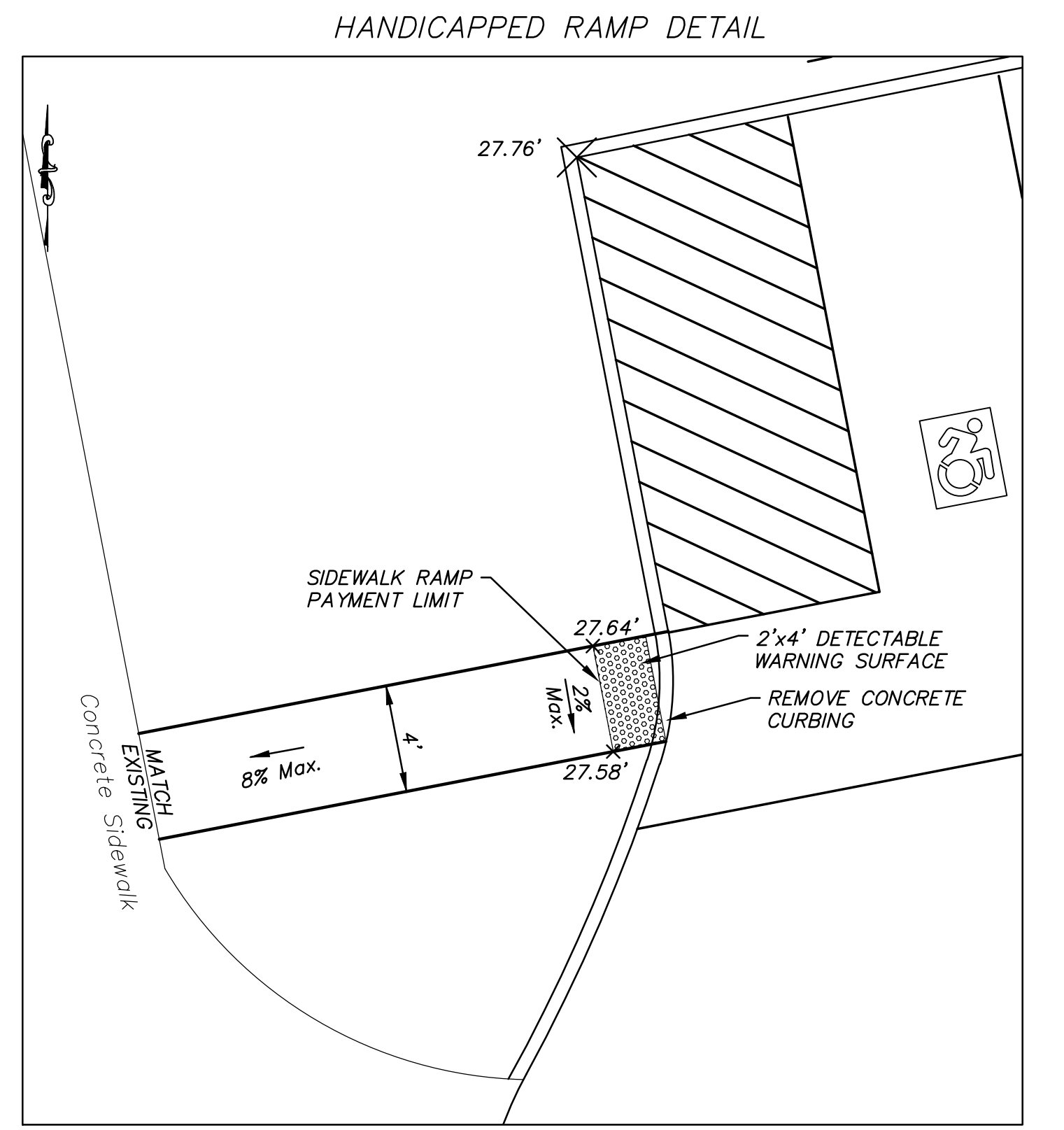
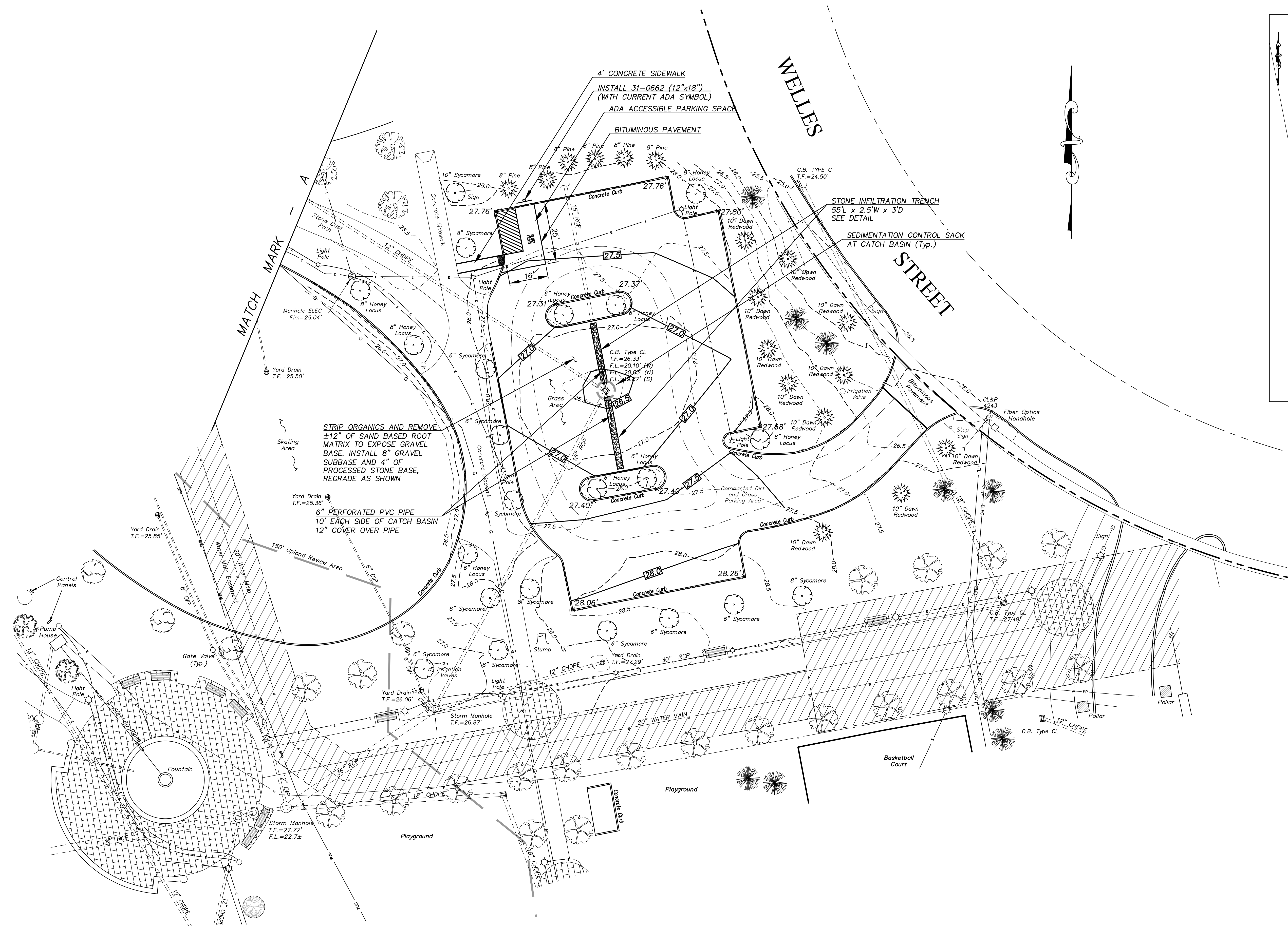
DRAWING ISSUE STATUS		SCALE: AS SHOWN	DATE:
		DRAWN BY: S.Troy	11-3-2023
		CHECKED BY: S.M.B.	11-3-2023
		APPROVED BY: D.A.P.	11-3-2023
2.	ISSUED FOR CONSTRUCTION	4-12-2024	ST. FILE:
1.	ISSUED FOR PERMITTING	11-3-2023	
NO.	DESCRIPTION	DATE	

MANUAL REVISIONS TO THIS DOCUMENT ARE PROHIBITED. ALL REVISIONS MUST BE PERFORMED ON CADD FILE SHOWN BY YELLOW BUBBLES AT THE TIME OF REVISIONS. ENGINEERING OFFICE AT (860) 632-7135.



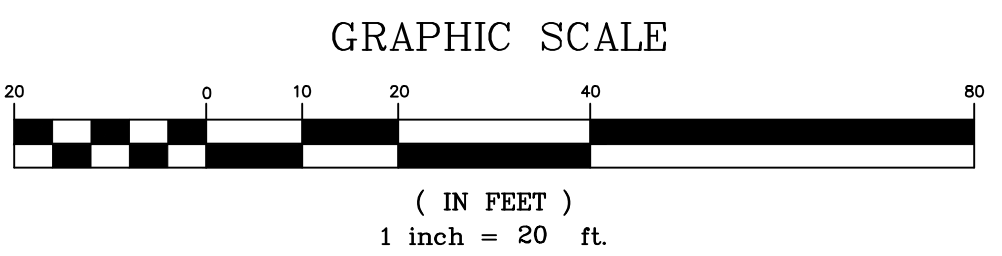
PLANS DEPICTING
COMMUNITY CENTER PAVILLION
LOCATED AT
RIVERFRONT COMMUNITY CENTER
300 WELLES STREET
GLASTONBURY, CONNECTICUT

FILE: H:\DWG\Streets\Welles S\PAW-2215.RCC.PAV\DWG\W-2215 Community Center Gravel Parking - Design.dwg USER: Steven Troy DATE: 4/12/2024

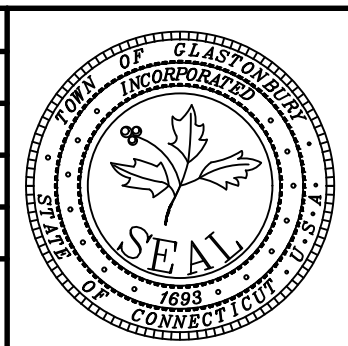


STRIP ORGANICS AND REMOVE ±12" OF SAND BASED ROOT MATRIX TO EXPOSE GRAVEL BASE. INSTALL 8" GRAVEL SUBBASE AND 4" OF PROCESSED STONE BASE, REGRADE AS SHOWN

6" PERFORATED PVC PIPE 10" EACH SIDE OF CATCH BASIN 12" COVER OVER PIPE

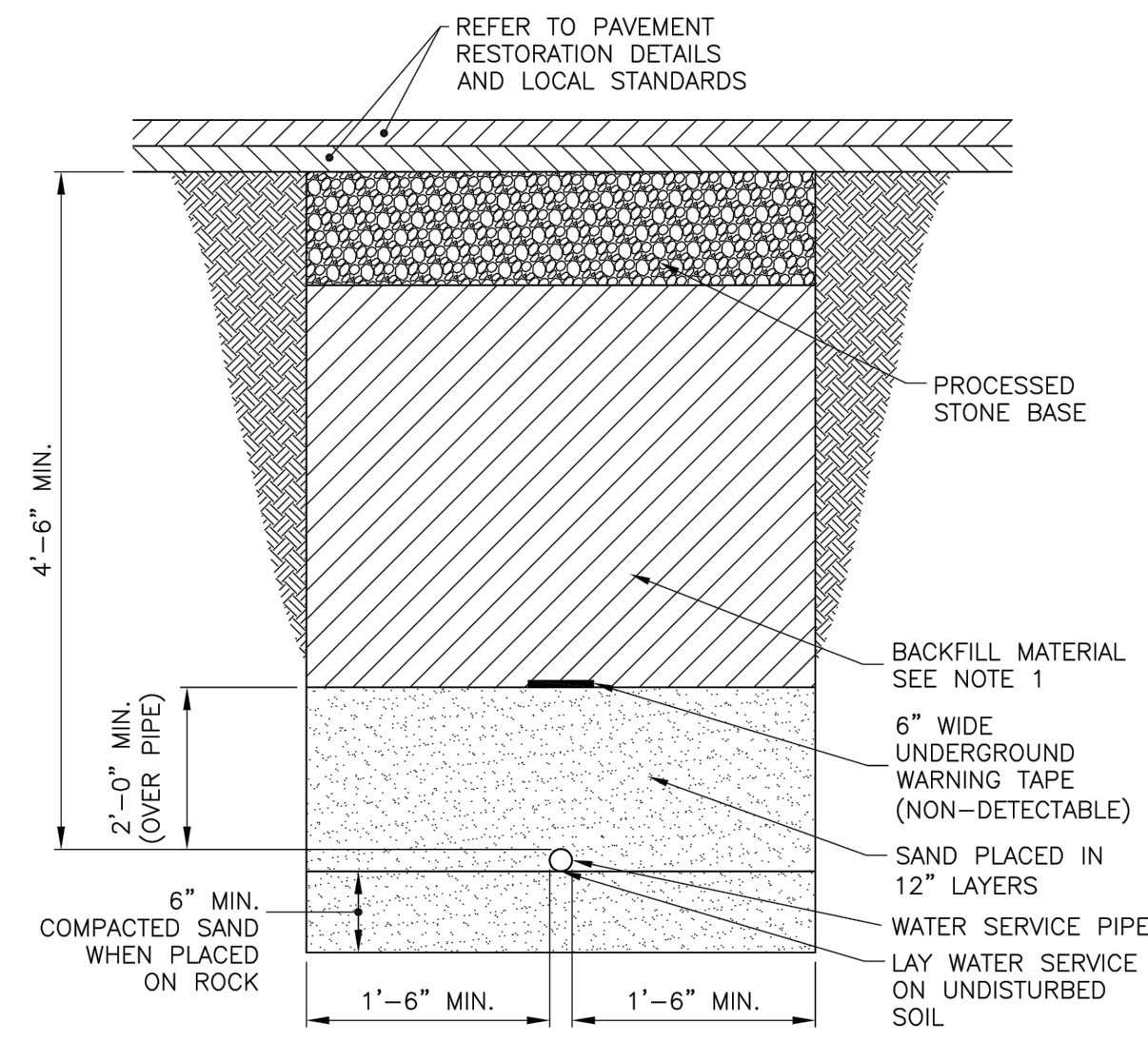


DRAWING ISSUE STATUS		SCALE: AS SHOWN	DATE:
		DRAWN BY: S.Troy	11-3-2023
		CHECKED BY: S.M.B.	11-3-2023
		APPROVED BY: D.A.P.	11-3-2023
2.	ISSUED FOR CONSTRUCTION	4-12-2024	ST. FILE:
1.	ISSUED FOR PERMITTING	11-3-2023	
NO.	DESCRIPTION	DATE	



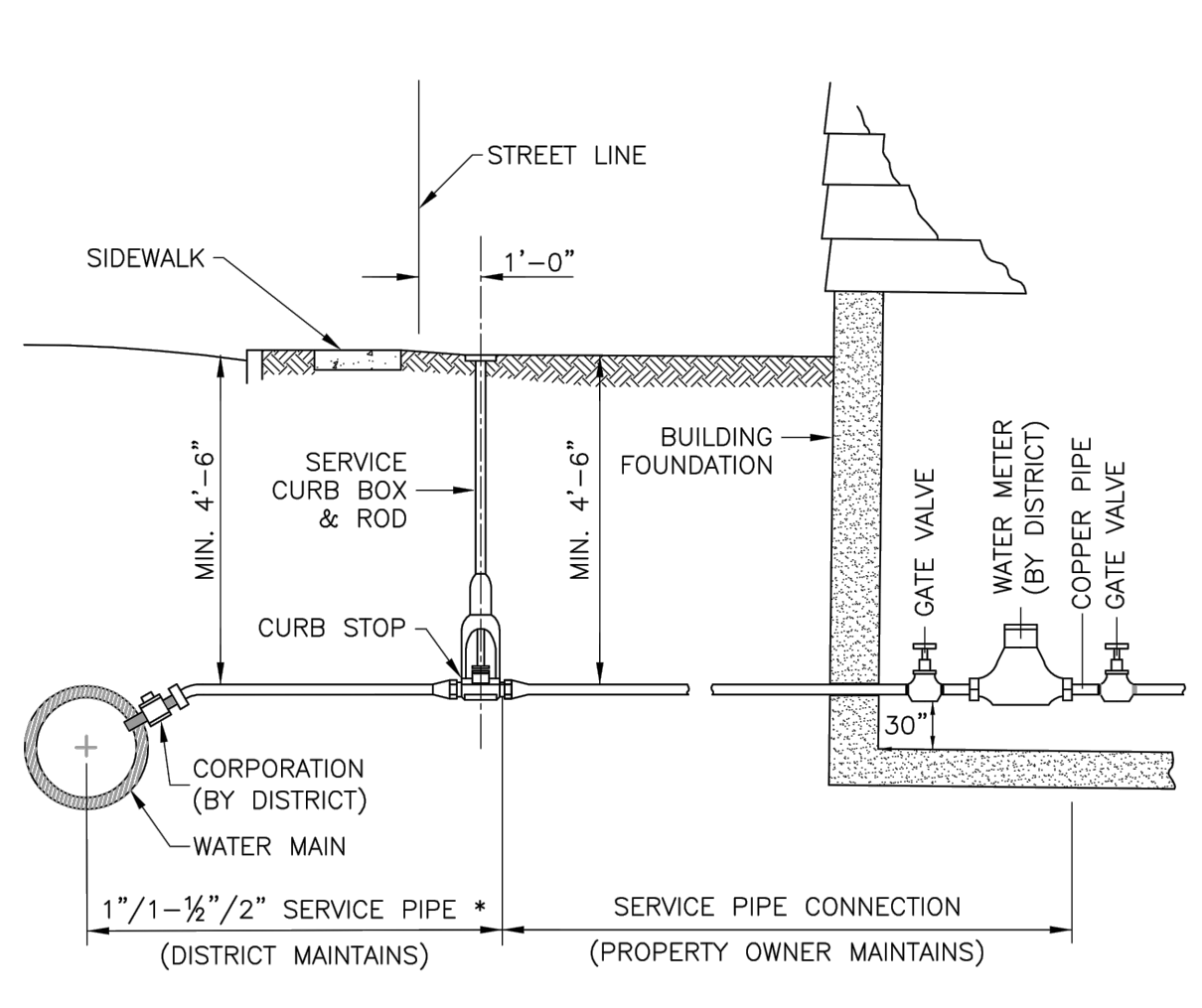
PLANS DEPICTING
 PARKING LOT IMPROVEMNTS
 LOCATED AT
 RIVERFRONT COMMUNITY CENTER
 300 WELLES STREET
 GLASTONBURY, CONNECTICUT

FILE: H:\DWG\Shelton\Welles\SPW\2215 RCC PAVILLION.PW-2215 Community Center Pavillion - Design.dwg USER: Steven Troy DATE: 4/12/2024



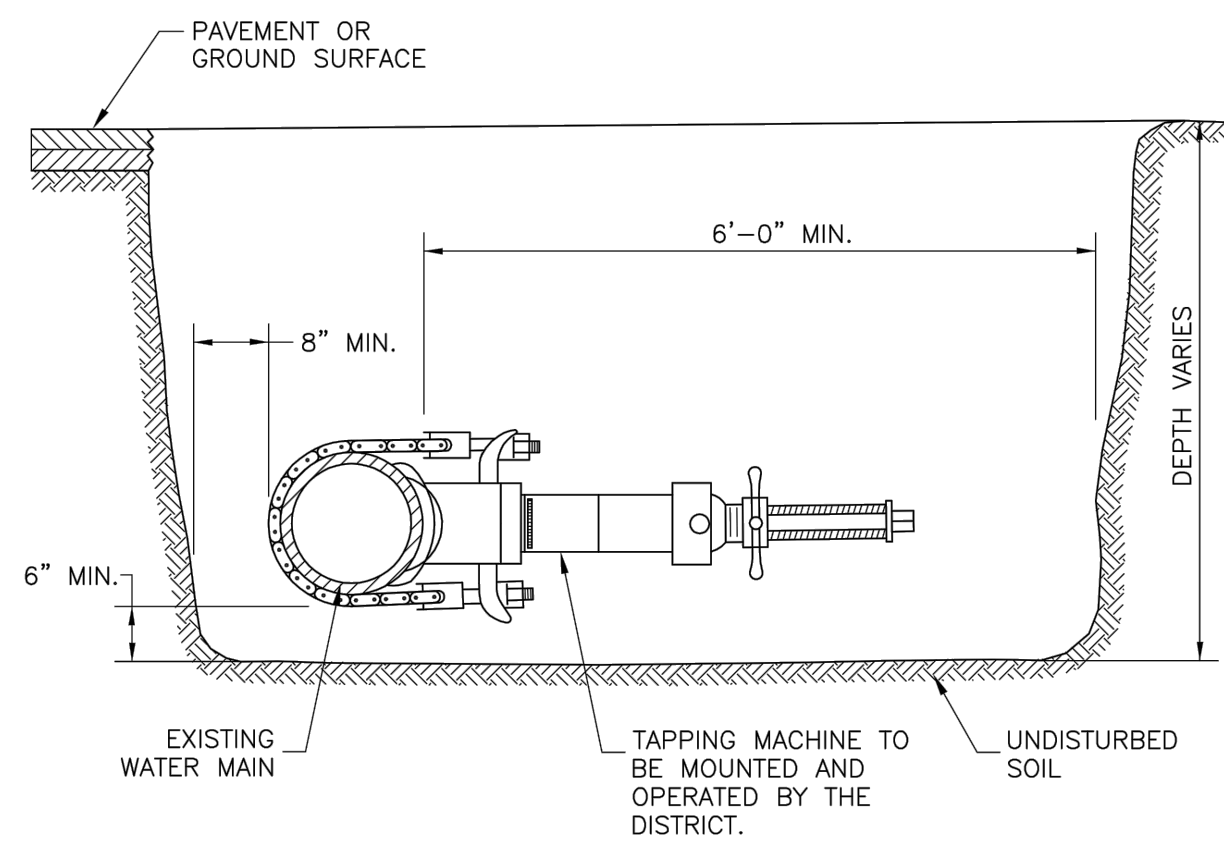
NOTE:
1. BACKFILL MATERIAL SHALL BE BANK-RUN GRAVEL IN PAVED AREAS (INCLUDING SIDEWALKS AND DRIVEWAYS) OR COMMON FILL IN NON-PAVED AREAS.

WATER SERVICE TRENCH
DETAIL (W) 4
NTS



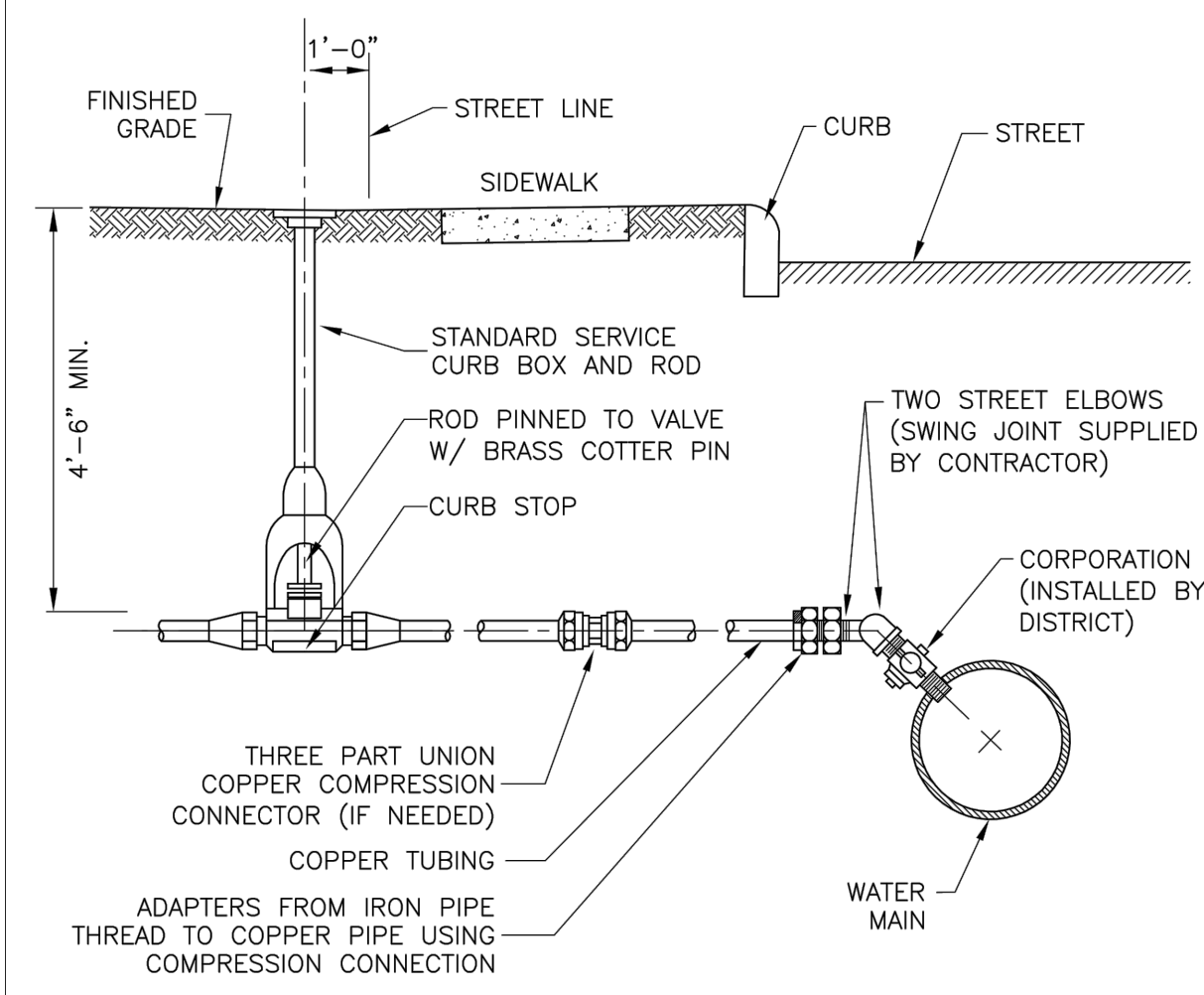
* 1-1/4" PIPE IS NOT PERMITTED

TYPE K COPPER WATER SERVICE
DETAIL (W) 5
NTS



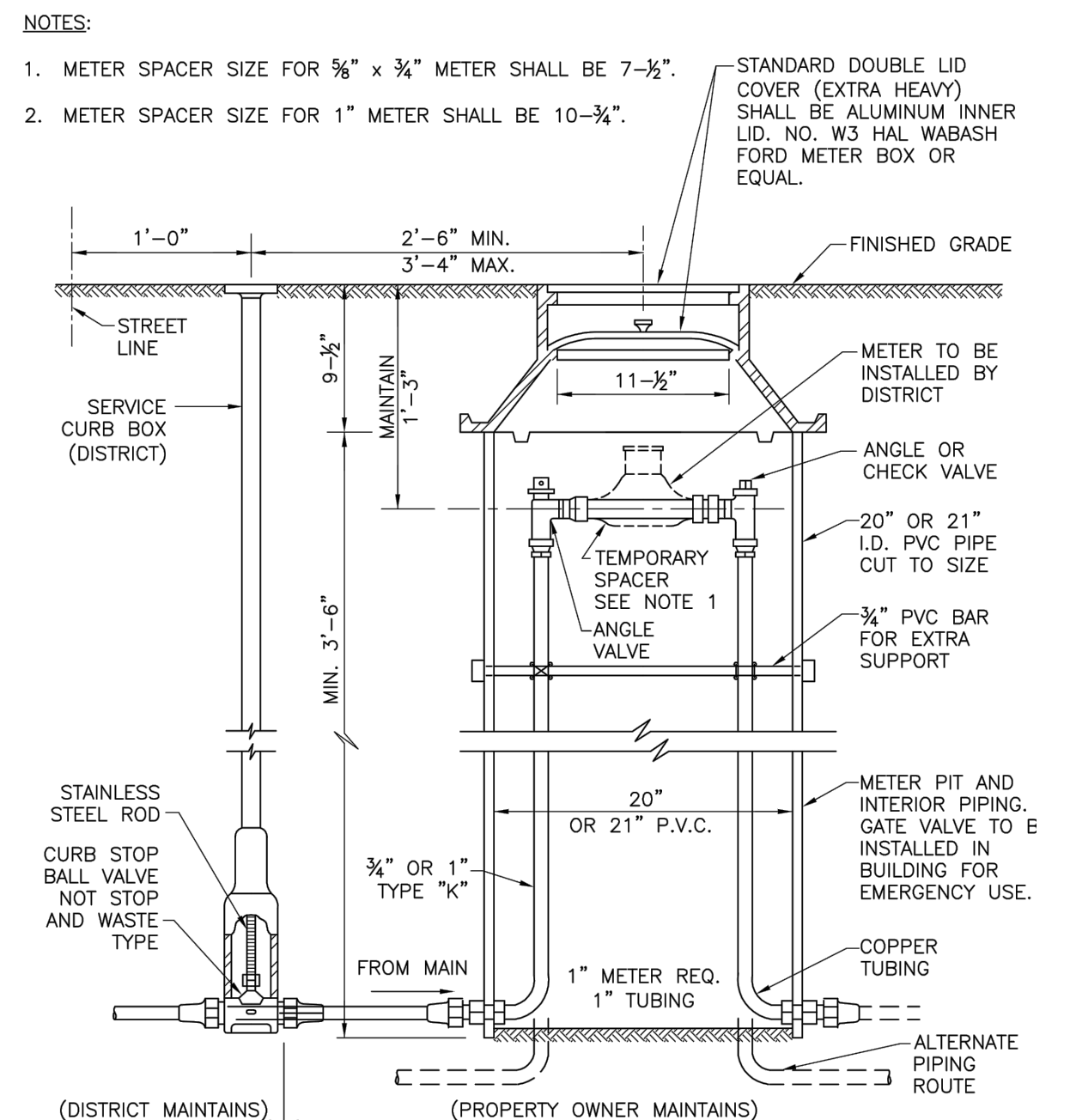
NOTE:
1. CONTRACTOR SHALL COORDINATE WITH THE DISTRICT AND THE PROPERTY OWNER PRIOR TO TRENCH EXCAVATION. THE TRENCH SHALL BE PROPERLY DEWATERED, SUPPORTED AND SHALL COMPLY WITH OSHA REQUIREMENTS FOR TRENCH EXCAVATION.

TRENCH REQUIREMENTS FOR 1-INCH TO 2-INCH SERVICE TAPS
DETAIL (W) 7
NTS



NOTE:
1. IF THE WATER SERVICE PIPE IS IRON OR BRASS ON THE PRIVATE PROPERTY SIDE, PROVIDE SHORT LENGTH OF COPPER PIPE AND PACK JOINT ADAPTER COUPLING OR EQUIVALENT.

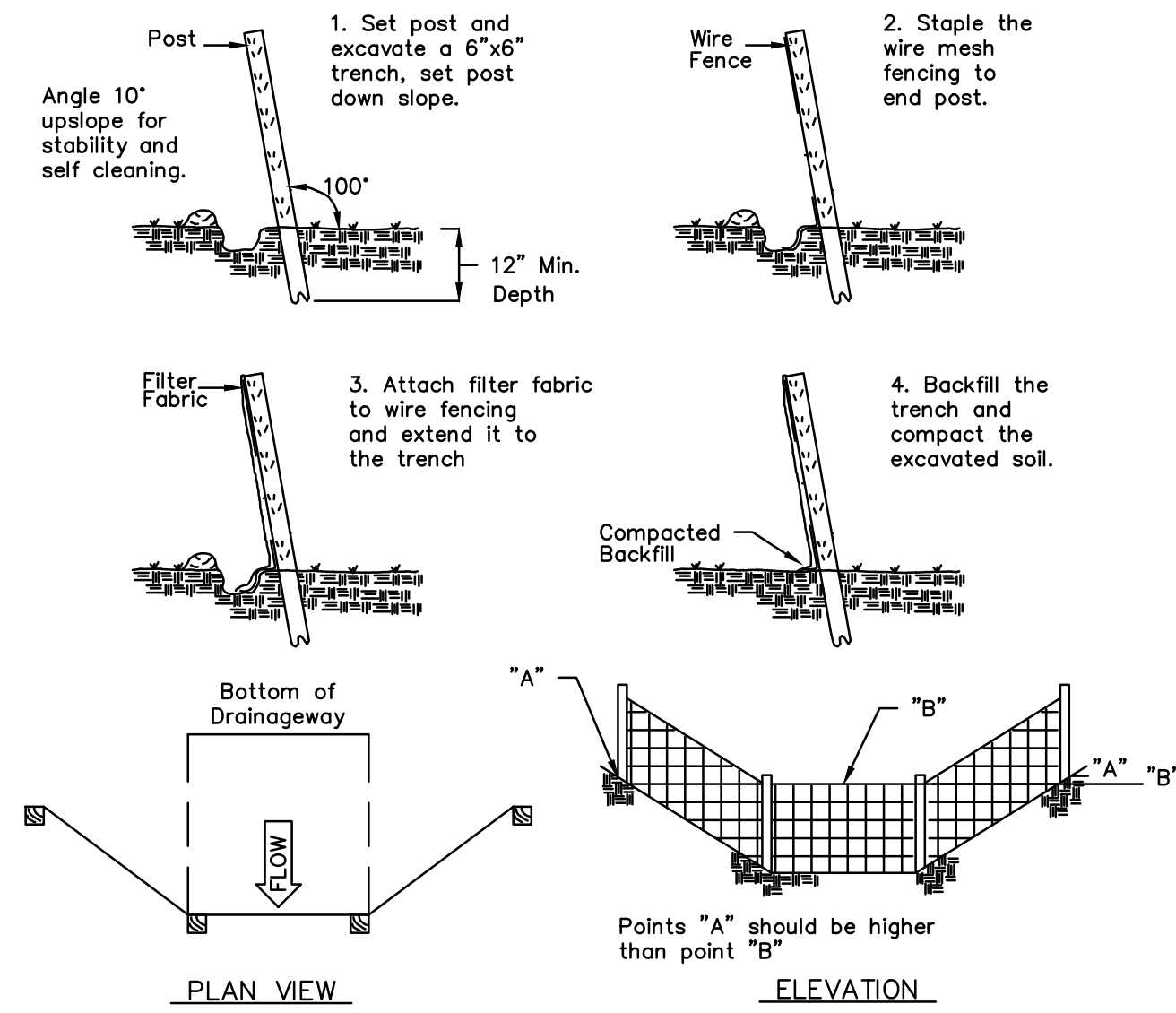
1-INCH SERVICE TAP OFF HORIZONTAL CENTER LINE
DETAIL (W) 9
NTS



NOTES:

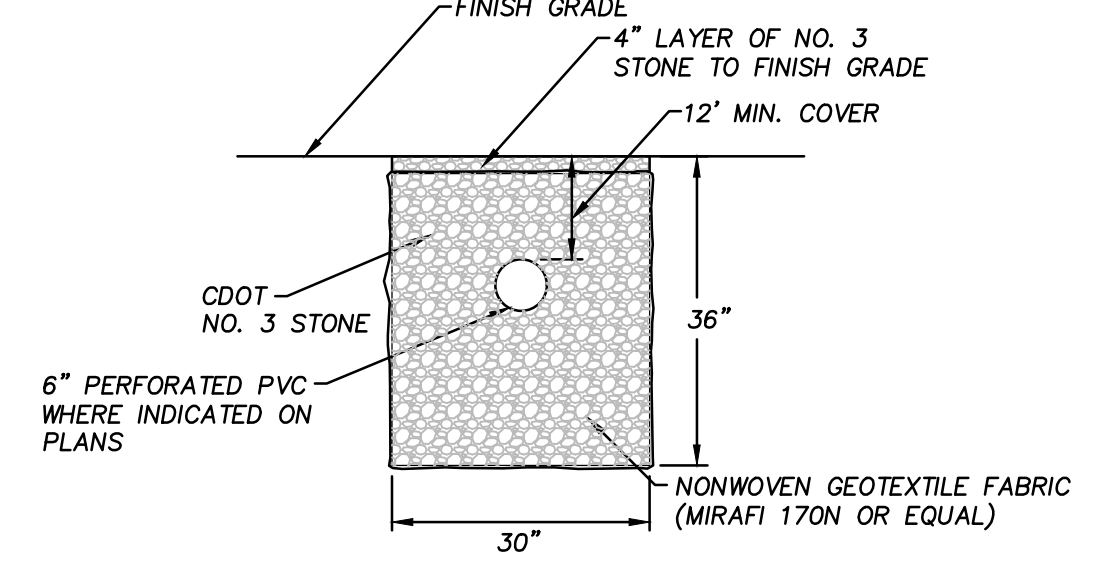
- METER SPACER SIZE FOR 3/8" x 3/4" METER SHALL BE 7-1/2".
- METER SPACER SIZE FOR 1" METER SHALL BE 10-3/4".

METER BOX FOR 1" SERVICE AND 3/4" TO 1" METER
DETAIL (W) 36
NTS



Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

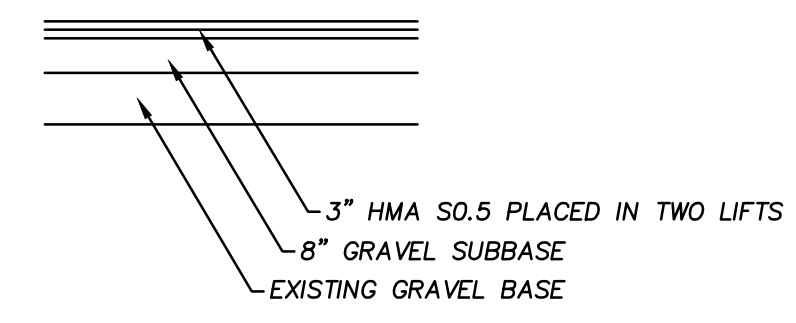
SEDIMENTATION CONTROL
FILTER FABRIC FENCE SYSTEM



STONE INFILTRATION TRENCH
(NOT TO SCALE)

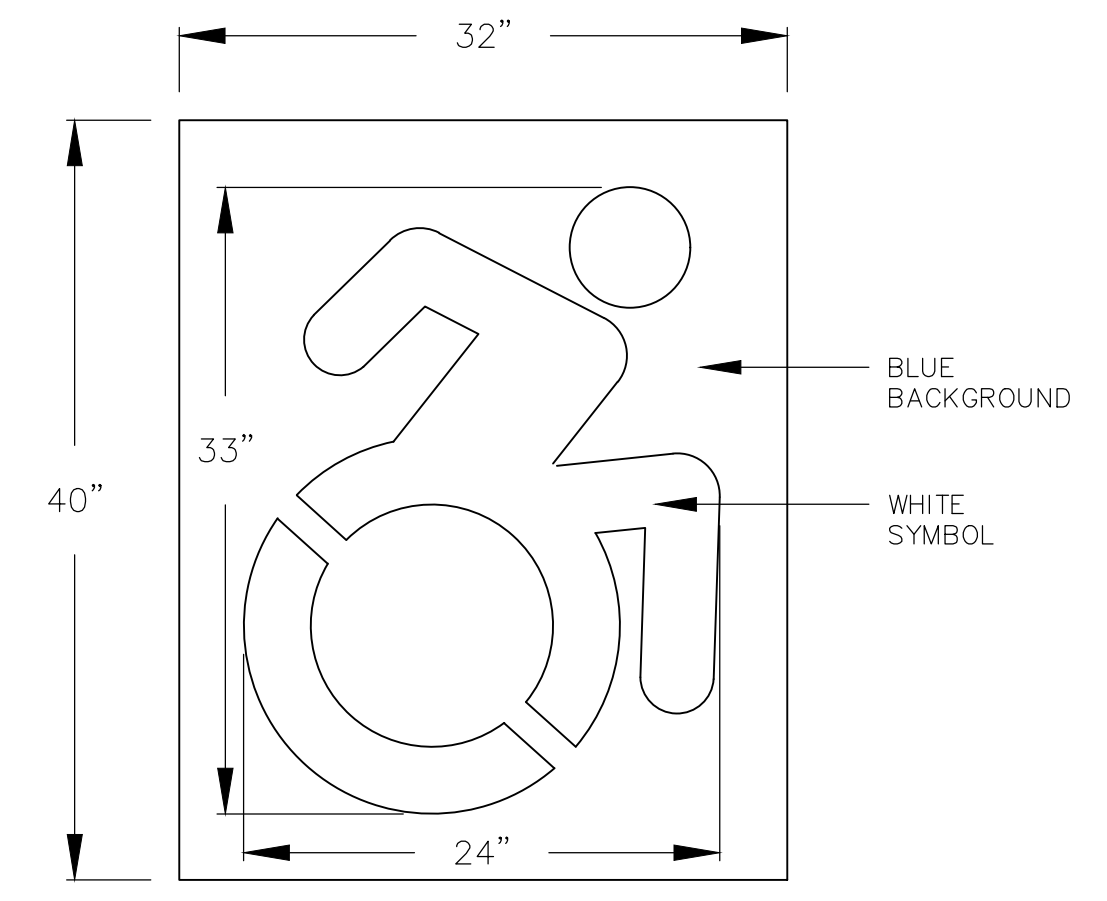


GRAVEL PARKING LOT TYPICAL SECTION
(NOT TO SCALE)

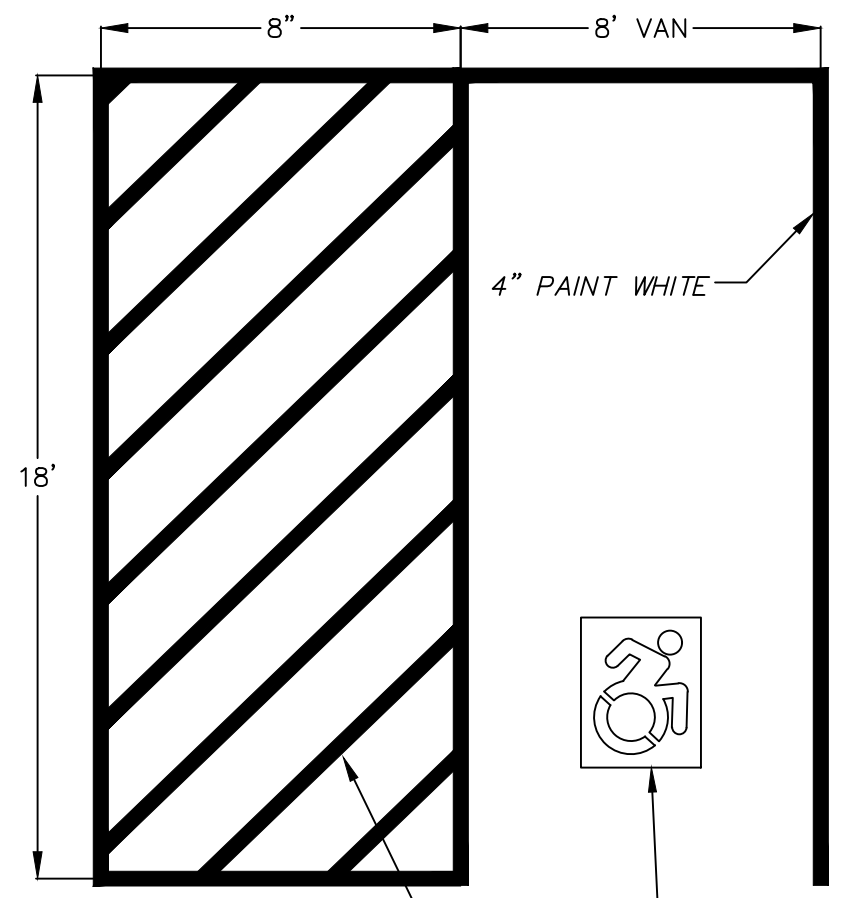


BITUMINOUS PAVEMENT PARKING AREA TYPICAL SECTION
(NOT TO SCALE)

NOTE: THIS ITEM TO BE PAID FOR UNDER ITEM 0922500A BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)



NOTE: HANDICAP SYMBOL TO ADHERE TO STATE BUILDING CODE, LATEST EDITION
CONNECTICUT SYMBOL OF ACCESSIBILITY

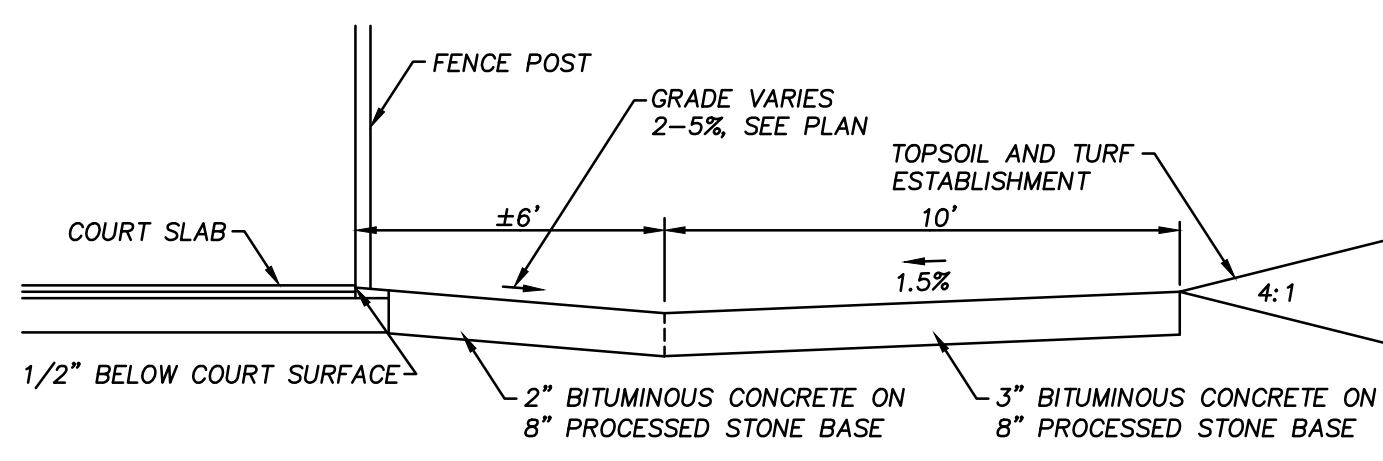


4" SOLID WHITE LINE @ 45° AND SPACED 2' O.C.
CONNECTICUT SYMBOL OF ACCESSIBILITY
(WHITE SYMBOL W/BULK BACKGROUND)

ACCESSIBLE STALL

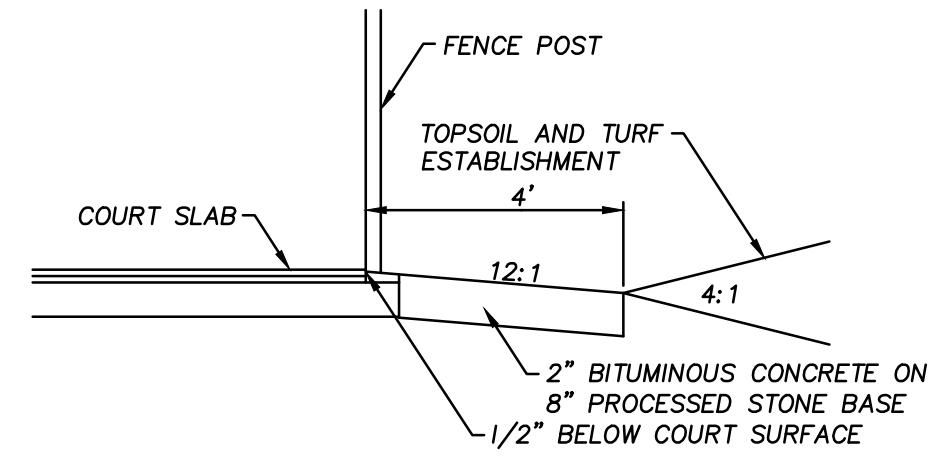
NOTE: UNIFORM FEDERAL ACCESSIBILITY STANDARDS, SECTION 4.30, & 2010 ADA.

TYPICAL HANDICAP PARKING STALL LAYOUT



PERIMETER GRADING DETAIL IN CUT EAST SIDE
(NOT TO SCALE)

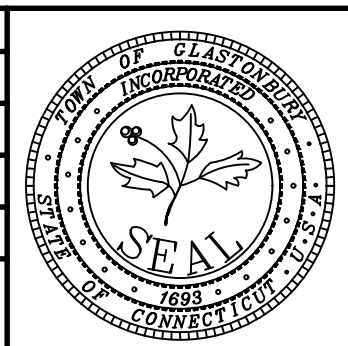
NOTE: 2" THICK PAVEMENT TO BE PAID FOR UNDER ITEM 0922001A BITUMINOUS CONCRETE SIDEWALK
3" THICK PAVEMENT TO BE PAID FOR UNDER ITEM 0922500A BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)



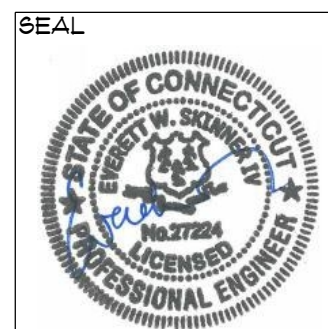
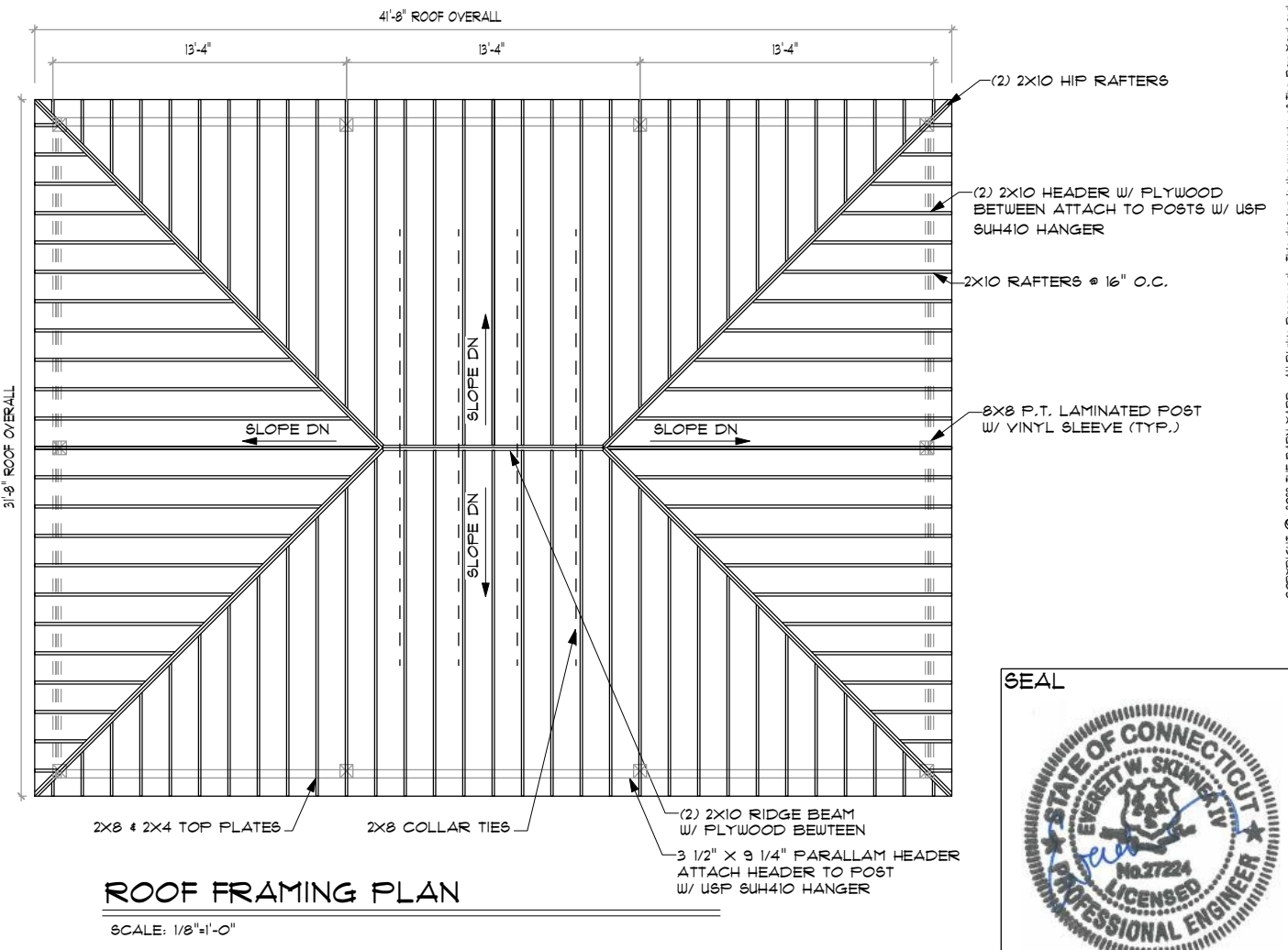
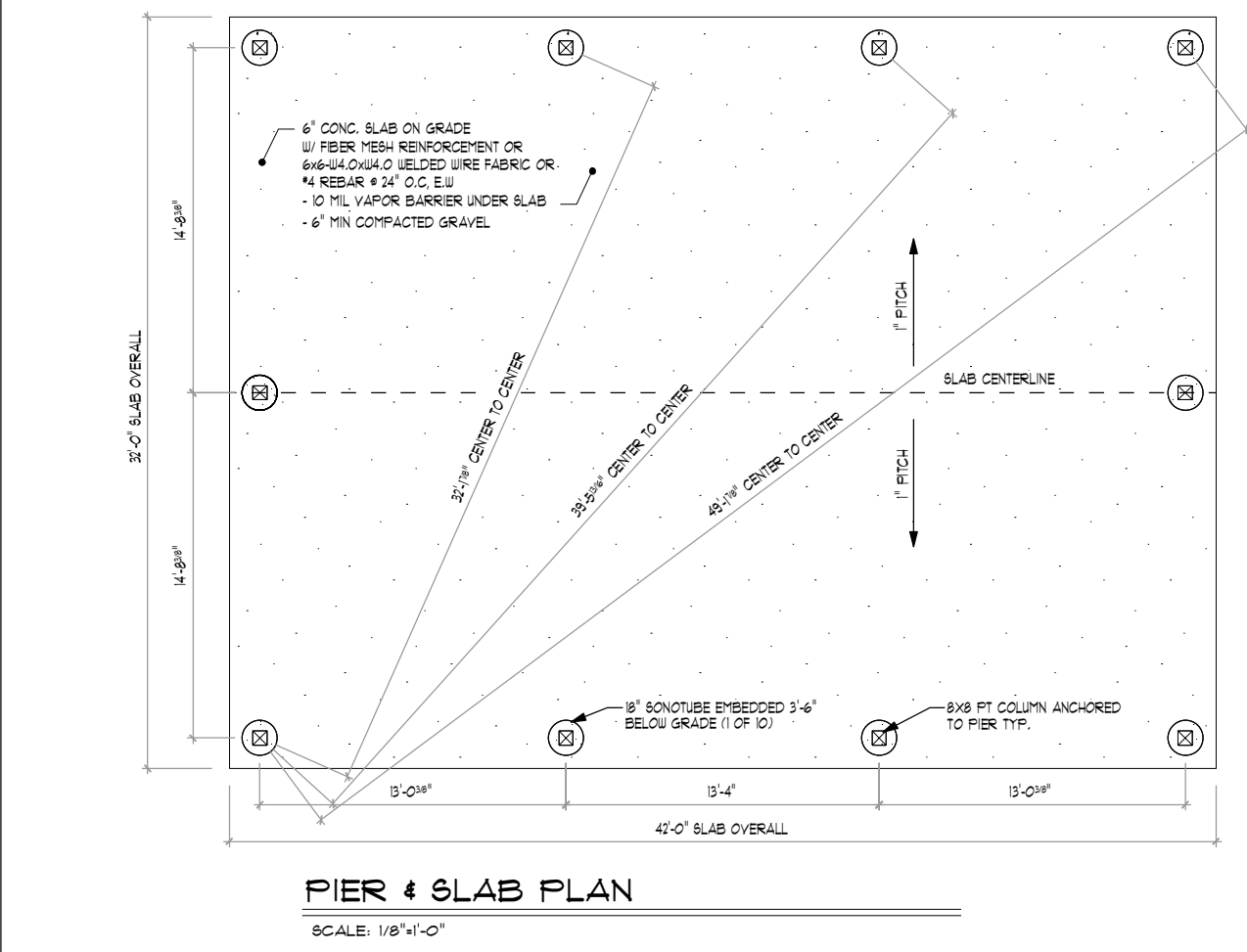
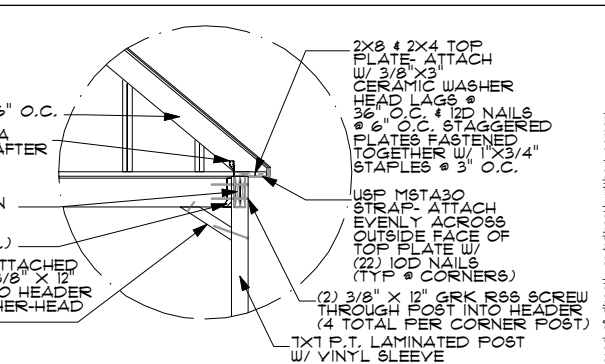
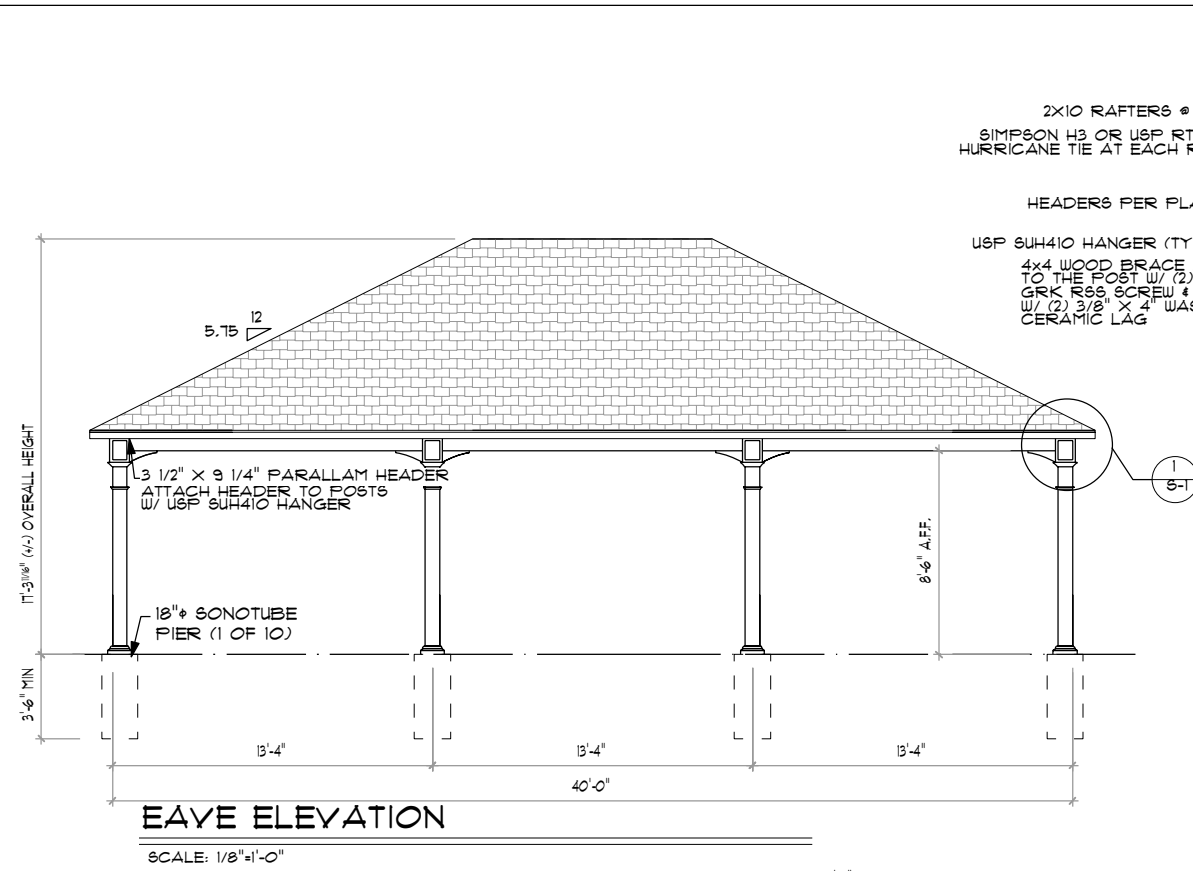
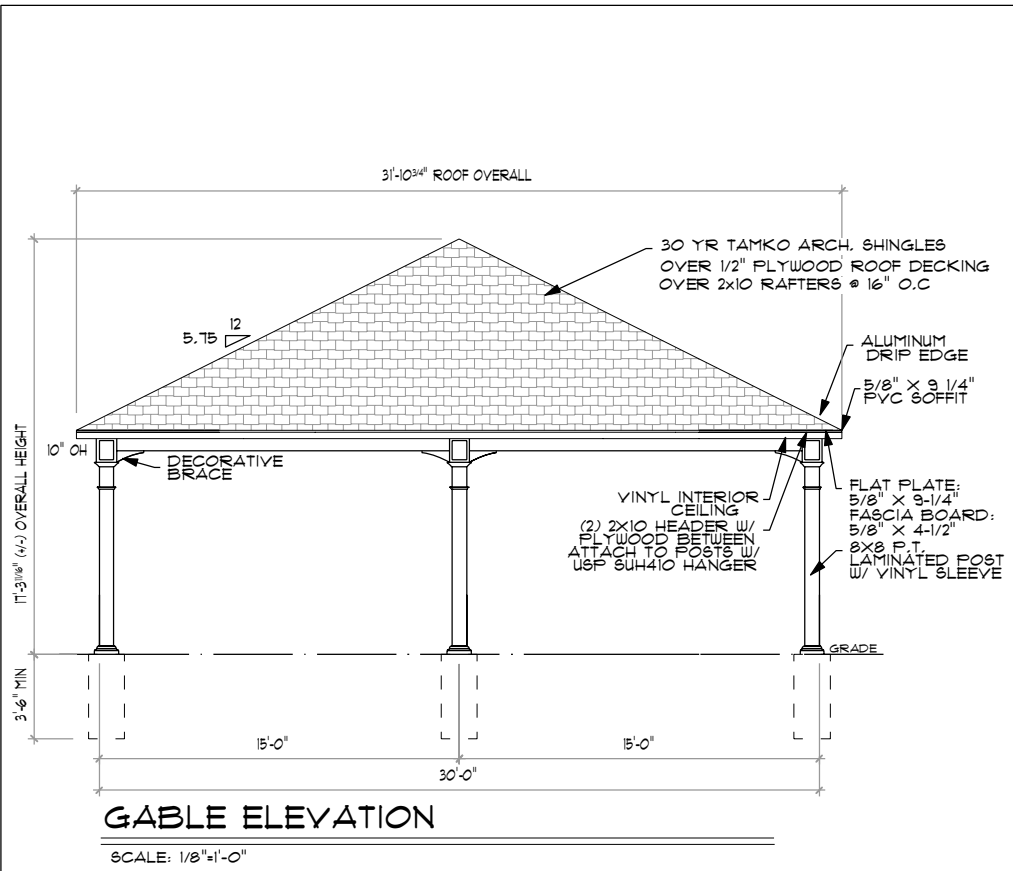
PERIMETER GRADING DETAIL IN CUT NORTH AND SOUTH SIDES
(NOT TO SCALE)

NOTE: 2" THICK PAVEMENT TO BE PAID FOR UNDER ITEM 0922001A BITUMINOUS CONCRETE SIDEWALK

DRAWING ISSUE STATUS	SCALE: AS SHOWN	DATE:
	DRAWN BY: S.Troy	11-3-2023
	CHECKED BY: S.M.B.	11-3-2023
	APPROVED BY: D.A.P.	11-3-2023
2. ISSUED FOR CONSTRUCTION	4-12-2024	ST. FILE:
ISSUED FOR PERMITTING	11-3-2023	
NO. DESCRIPTION	DATE	



DETAILS DEPICTING
COMMUNITY CENTER PAVILLION
LOCATED AT
RIVERFRONT COMMUNITY CENTER
300 WELLES STREET
GLASTONBURY, CONNECTICUT



DESIGNED & FABRICATED BY:

THE BARN YARD
MANUFACTURING & DESIGN FACILITY
8 VILLAGE ST.
ELLINGTON, CT 06033
TEL: 860.434.9025
WWW.THEBARNYARD.COM

VINYL PAVILLION FOR:
TOWN OF GLASTONBURY
300 WELLS STREET
GLASTONBURY, CT 06033

ELEVATIONS
STYLE: VINYL PAVILLION

JOB NO.: 9838
DATE: 01-26-24
SCALE: AS NOTED
DRAWN BY: MB
CHKD BY: EUS

S-1

COPYRIGHT © 2023 THE BARN YARD. All Rights Reserved. This drawing is the property of The Barn Yard and is loaned with the understanding and shall not be copied, reproduced, or otherwise disposed of directly or indirectly without consent.

LIST OF DRAWINGS

- COVER SHEET
- SE-1 SITE ELECTRICAL PLAN
- SE-2 PICKLEBALL COURTS LIGHTING PLAN
- SE-3 PICKLEBALL COURTS POWER RISER DIAGRAM AND DETAILS


TOWN OF GLASTONBURY

RIVERFRONT COMMUNITY CENTER

300 WELLES STREET
GLASTONBURY, CONNECTICUT 06033

PICKLEBALL LIGHTING AND PAVILION POWER

MEP ENGINEER
BEMIS ASSOCIATES LLC
185 MAIN STREET
FARMINGTON, CONNECTICUT
Phone: 860-667-3233
Fax: 860-321-7070

 9/11/2023



PICKLEBALL COURTS

SEE DRAWING SE-2 FOR CONTINUATION.

PROVIDE CAPPED 1" C. STUB OUT FOR CONNECTION TO PAVILION BY OTHERS.

NEW PAVILION STRUCTURE

CNG FILLING STATION

CNG GAS METER

EXISTING CNG SWITCHGEAR. MAKE CONNECTION TO EXISTING 208Y120V PANELBOARD.

EXCAVATE CAREFULLY THIS AREA AND ROUTE CONDUIT TO AVOID EXISTING UTILITIES.

CL&P #4245

CL&P #4244

WELLES

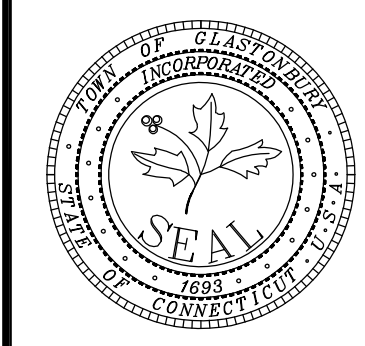
CONNECTICUT RIVER
FLOW

SITE ELECTRICAL PLAN
1" = 20'

REVISIONS

COPYRIGHT
This drawing is the property of the author and shall remain the property of the author. It is loaned to the client for their use only. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the author. Any unauthorized use or distribution of this drawing is strictly prohibited. The author shall not be held responsible for any errors or omissions in this drawing. The client shall be responsible for the accuracy of the information provided in this drawing. The client shall be responsible for the accuracy of the information provided in this drawing. The client shall be responsible for the accuracy of the information provided in this drawing.

RIVERFRONT COMMUNITY CENTER
PICKLEBALL LIGHTING AND PAVILION POWER
300 WELLES STREET, GLASTONBURY, CT.



BEMIS ASSOCIATES, L.L.C.
Consulting Engineers
185 Main Street
Farmington, CT 06032
Tel: (860) 321-7070
Fax: (860) 321-7070
www.bemisassociates.com

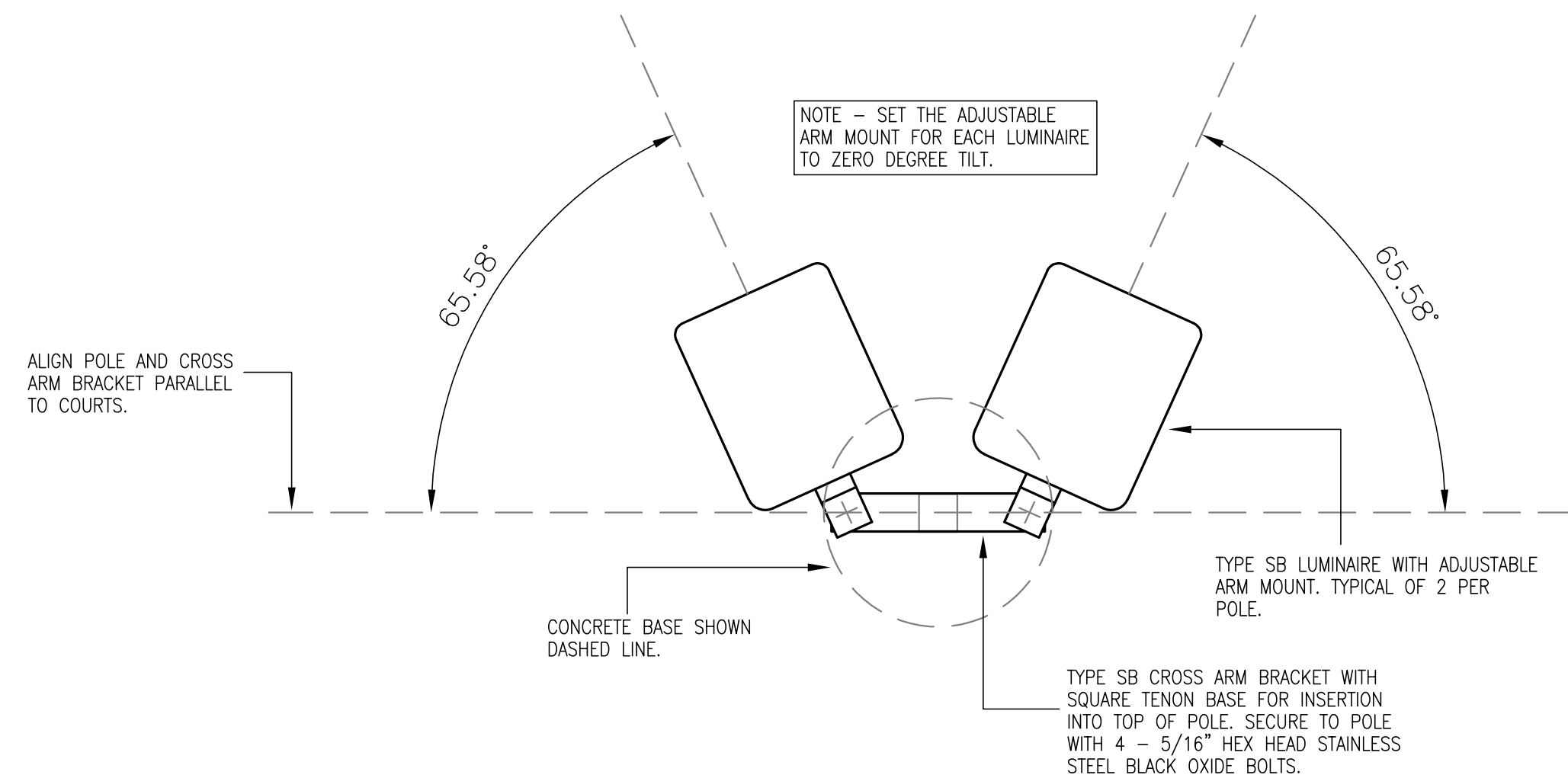
TITLE
SITE ELECTRICAL PLAN

DATE: 9/11/2023

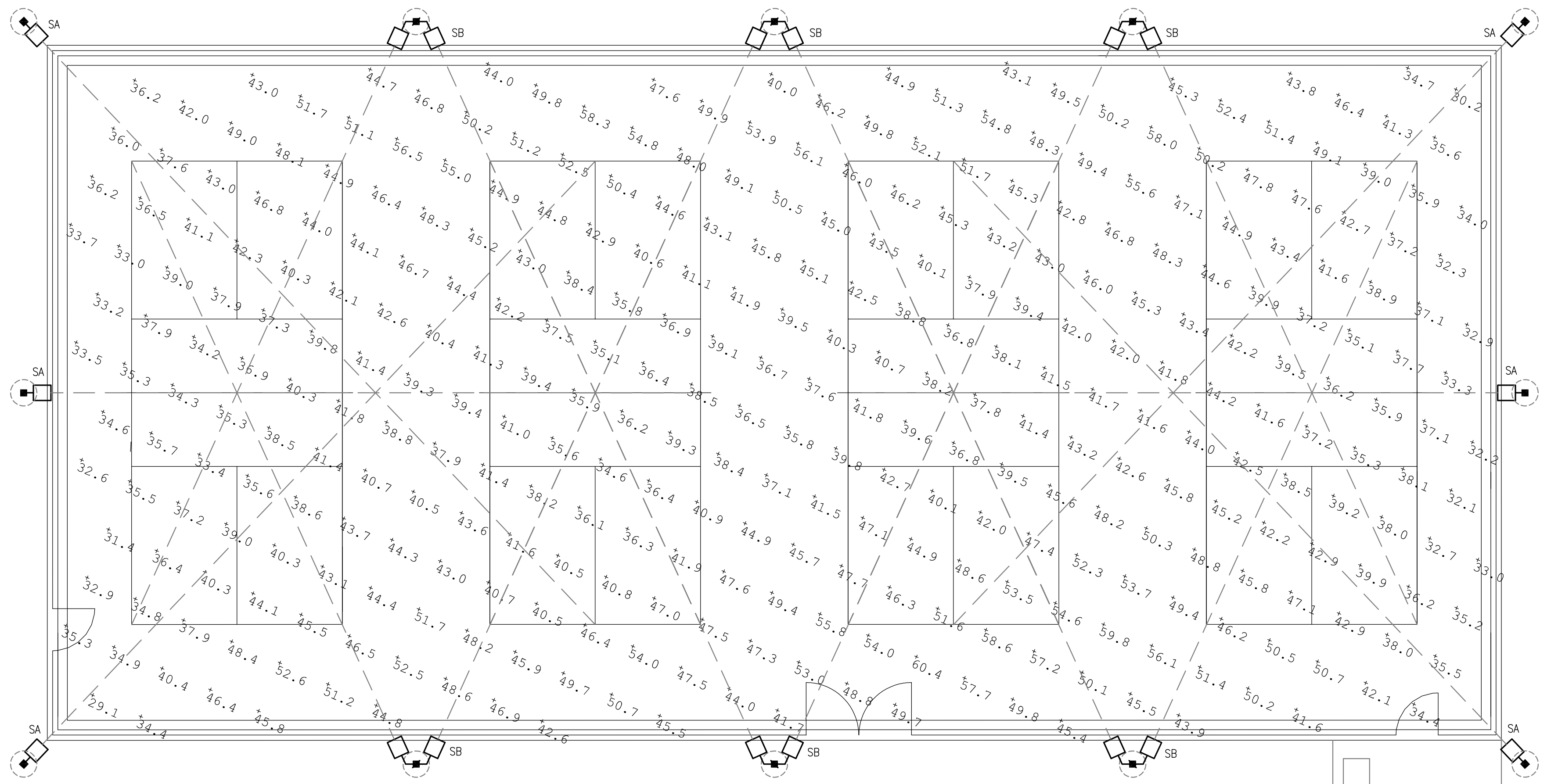
DWG. NO.
SE-1



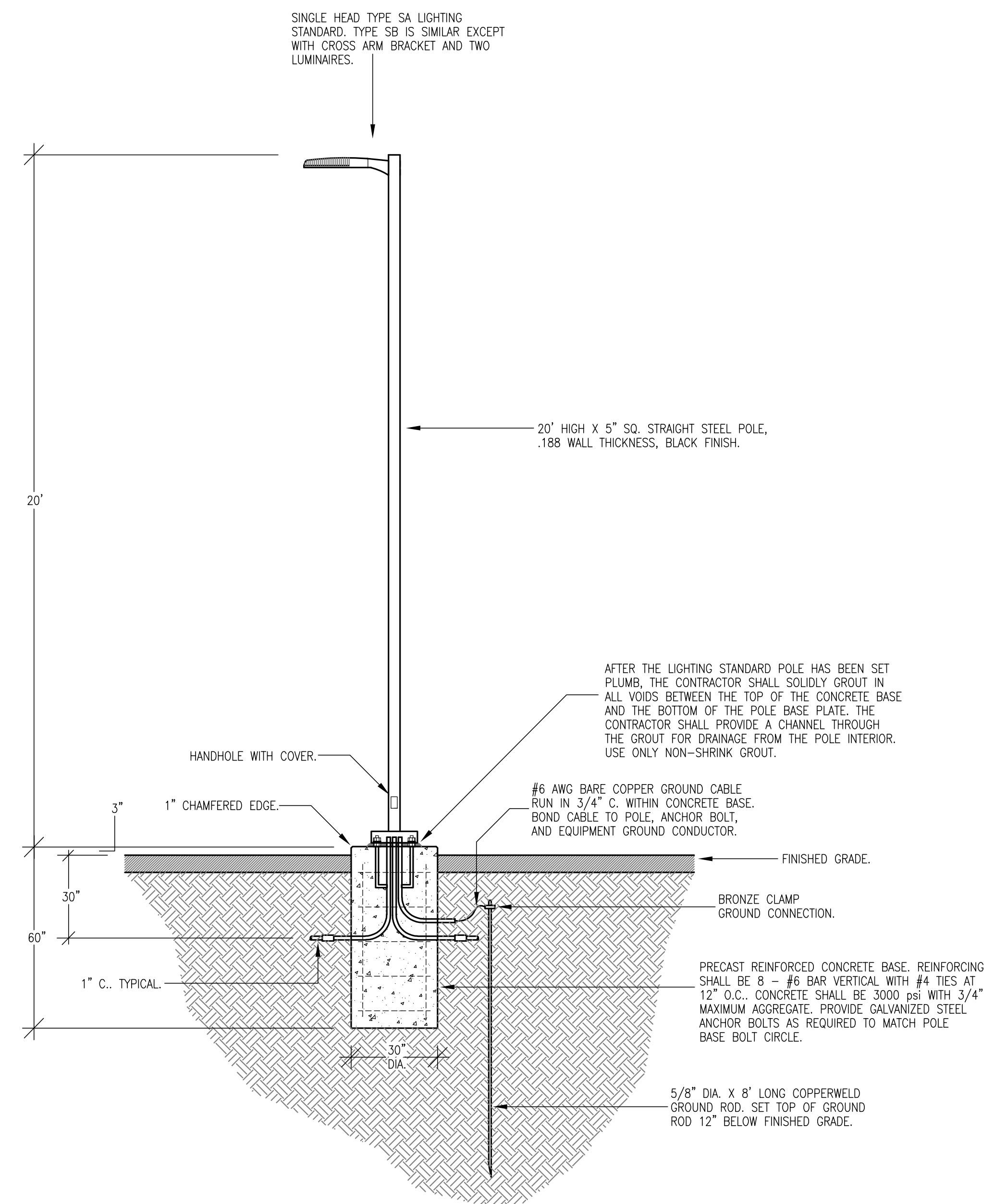
SCHEDULE OF PICKLEBALL LIGHTING STANDARDS				
TYPE	DESCRIPTION AND MODEL #	LAMP	FIXTURE WATTS	REMARKS
SA	22"W X 4"H X 35.3" EXTENSION HIGH OUTPUT AREA LUMINAIRE WITH DIE-CAST ALUMINUM HOUSING (BLACK FINISH), WEATHERTIGHT LED DRIVER COMPARTMENT, HIGH-PERFORMANCE HEAT SINK, DIRECT ARM MOUNT, ASYMMETRIC TYPE IV MEDIUM OPTICS, BACKLIGHT SHIELD, 0-10V DIMMING LED DRIVER (Z08V), ANSI C136-41 7-PIN RECEPTACLE, AND TWIST LOCK LIGHTING CONTROLLER. PROVIDE WITH 20' HIGH, 5" SHAFT STRAIGHT SQUARE STEEL POLE. CREE #05Q-HO-A-NM-AME-40L-40K-UL-BK-R WITH DIRECT ARM MOUNT #05Q-HO-DA, BACKLIGHT SHIELD #05Q-HO-BLSF, TWIST LOCK LIGHTING CONTROLLER #TL7-B2. POLE #SS5-5-7-20-CW-BS-1D-C-BK, AND ANCHOR BOLTS #SS5-5-AB-1-36.	LEDS, 33085 LUMENS, 4000' K, 70 CRI	341	B3 UO G4 BUG RATING, DLC LISTED.
SB	TWO (2) 22"W X 4"H X 35.3" EXTENSION HIGH OUTPUT AREA LUMINAIRES, EACH WITH DIE-CAST ALUMINUM HOUSING (BLACK FINISH), WEATHERTIGHT LED DRIVER COMPARTMENT, HIGH-PERFORMANCE HEAT SINK, ADJUSTABLE ARM MOUNT, ASYMMETRIC TYPE IV MEDIUM OPTICS, 0-10V DIMMING LED DRIVER (Z08V), ANSI C136-41 7-PIN RECEPTACLE, AND TWIST LOCK LIGHTING CONTROLLER. PROVIDE WITH 20' HIGH, 5" SHAFT STRAIGHT SQUARE STEEL POLE WITH 180° STEEL BRACKET MOUNT. (2) CREE #05Q-HO-A-NM-AME-40L-40K-UL-BK-R EACH WITH ADJUSTABLE ARM MOUNT #05Q-HO-AA, AND TWIST LOCK LIGHTING CONTROLLER #TL7-B2. PROVIDE WITH POLE #SS5-5-7-20-CW-BS-0T-N-BK, STEEL BRACKET #PB-DABK, AND ANCHOR BOLTS #SS5-5-AB-1-36.	LEDS, 83760 LUMENS, 4000' K, 70 CRI	682	B5 UO G4 BUG RATING, DLC LISTED. SET THE ADJUSTABLE ARM MOUNT FOR 0° TILT.



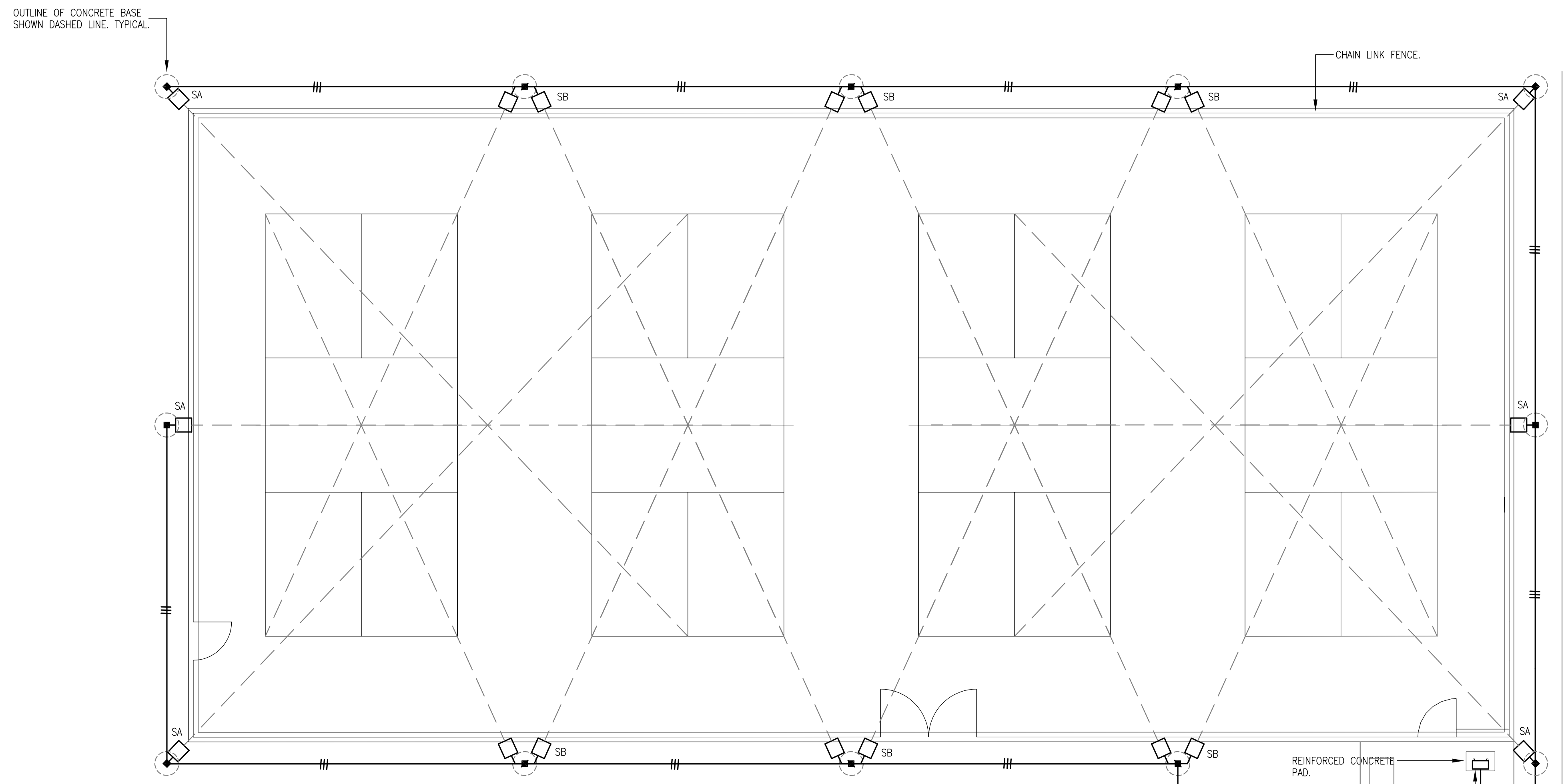
TYPE SB PICKLEBALL LIGHTING STANDARD DETAIL - LUMINAIRE AIMING
NTS



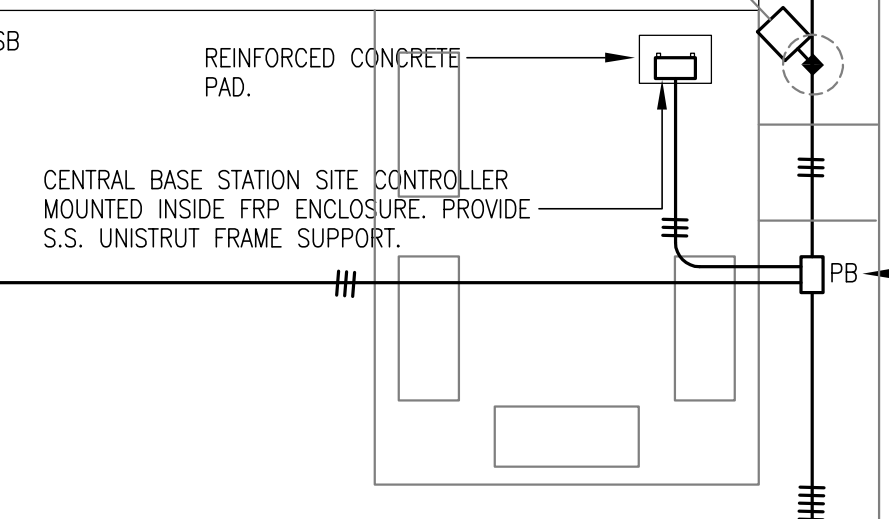
PICKLEBALL COURTS PHOTOMETRIC PLAN
1/8" = 1'-0"



PICKLEBALL LIGHTING STANDARD DETAIL
NTS



PICKLEBALL COURTS LIGHTING PLAN
1/8" = 1'-0"

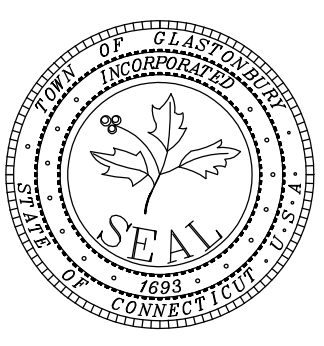


FROM PULL BOX AT PAVILION. SEE DRAWING SE-1 FOR CONTINUATION.



REVISIONS
COPYRIGHT
This drawing is the property of BEIMS ASSOCIATES, L.L.C. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of BEIMS ASSOCIATES, L.L.C. All rights reserved.

RIVERFRONT COMMUNITY CENTER
PICKLEBALL LIGHTING AND PAVILION POWER
300 WELLES STREET, GLASTONBURY, CT.



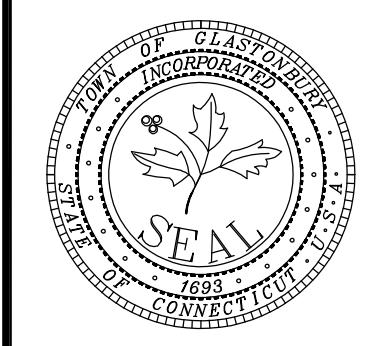
BEIMS ASSOCIATES, L.L.C.
Consulting Engineers
185 Main Street
Farmington, CT 06032
Tel: (860) 321-7070
Fax: (860) 321-7070
www.beimscorp.com

TITLE
PICKLEBALL COURTS LIGHTING PLAN

DATE: 9/11/2023

DWG. NO.

SE-2



BEMIS ASSOCIATES, L.L.C.
Consulting Engineers
185 Main Street
Farmington, CT 06032
Tel: (860) 321-7070
Fax: (860) 321-7070
www.bemisassociates.com

TITLE
PICKLEBALL COURTS POWER
RISER DIAGRAM
AND DETAILS

DATE 9/11/2023

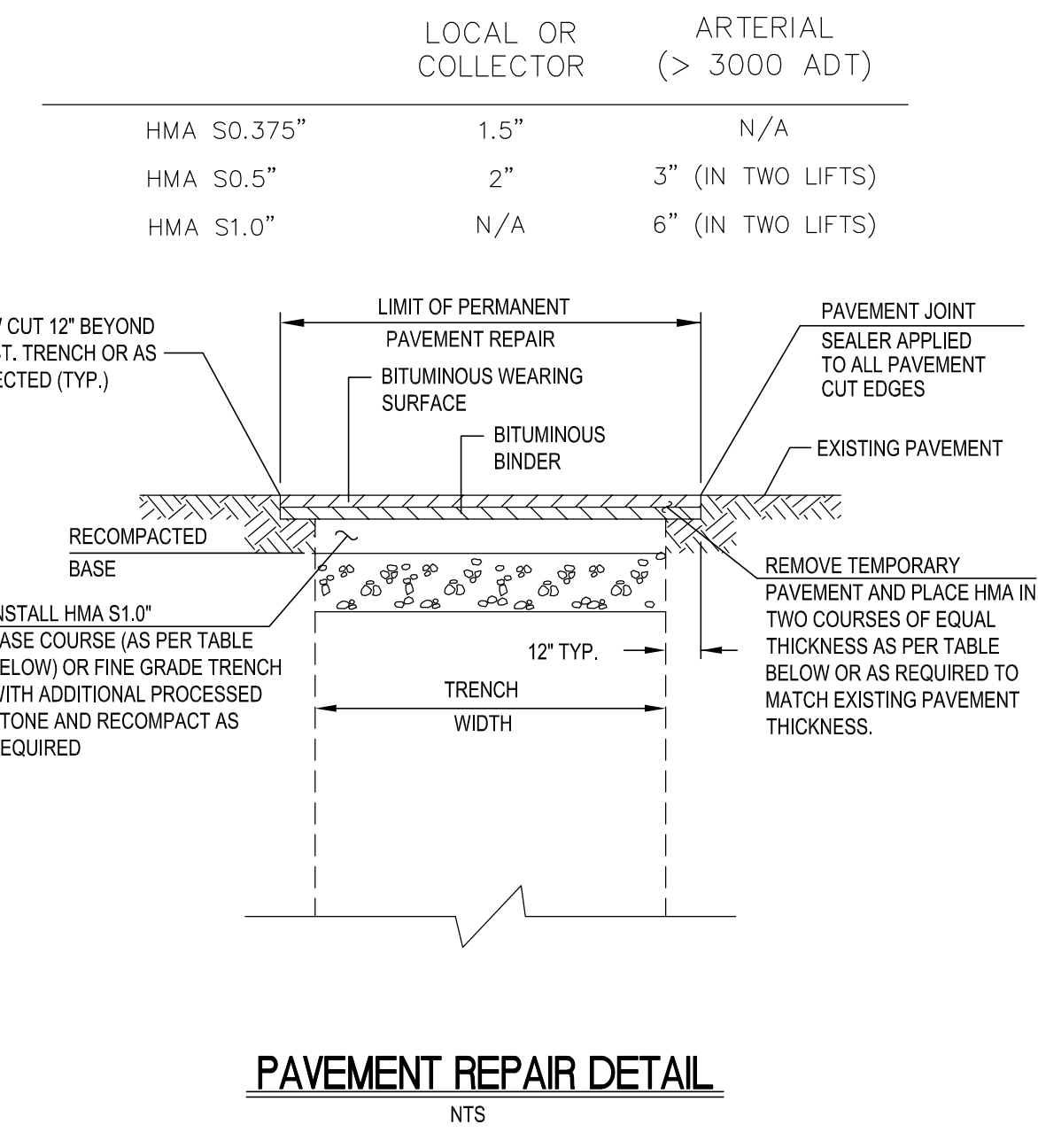
DWG. NO.

SE-3

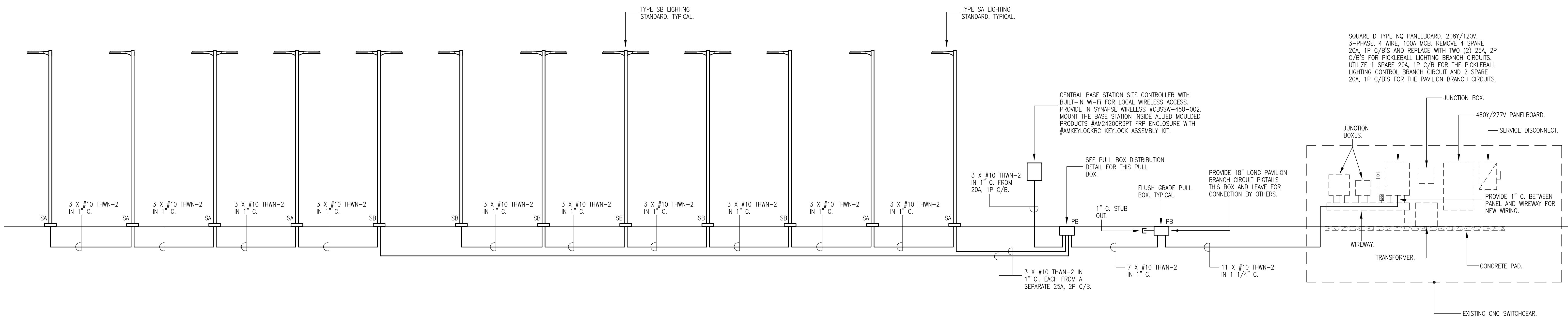
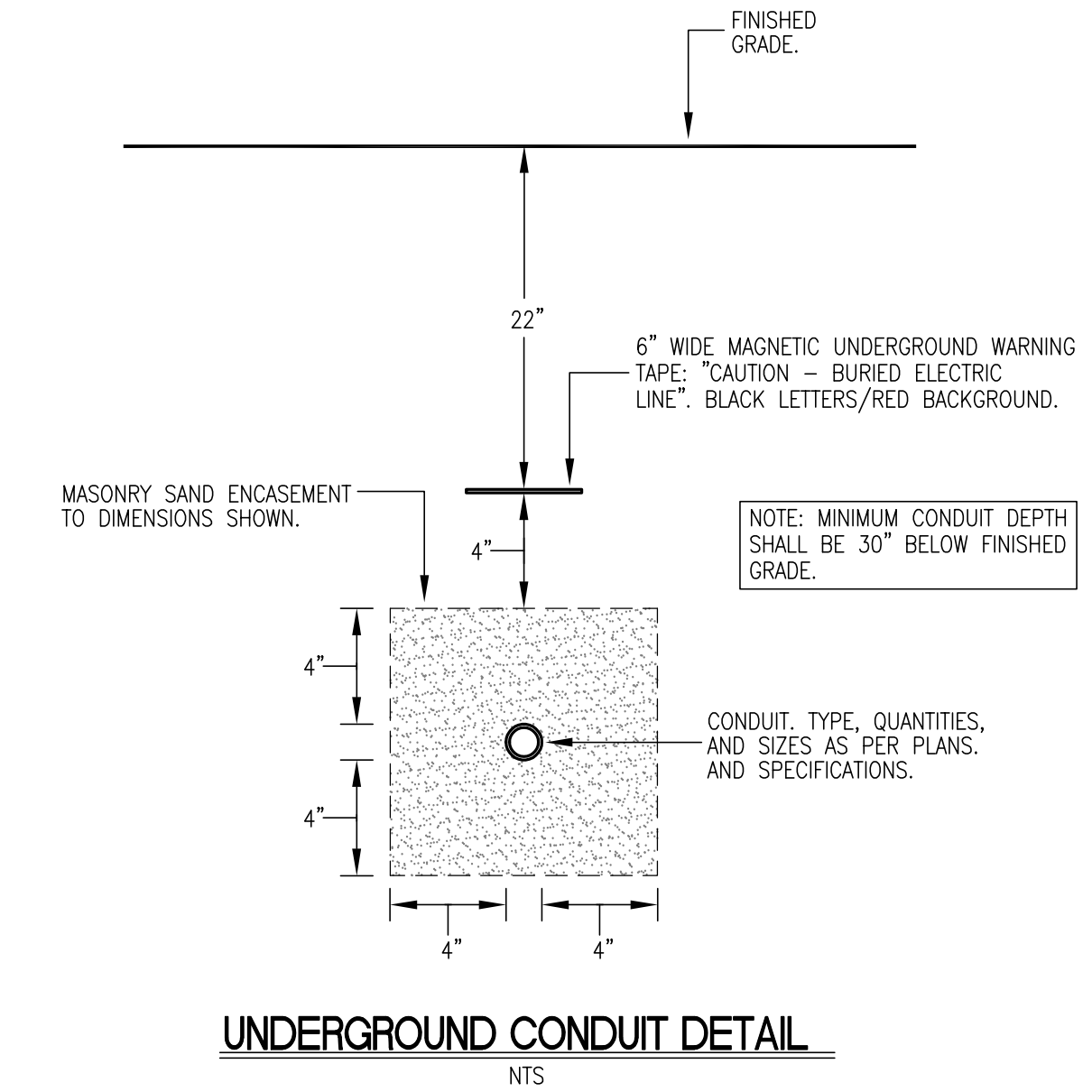
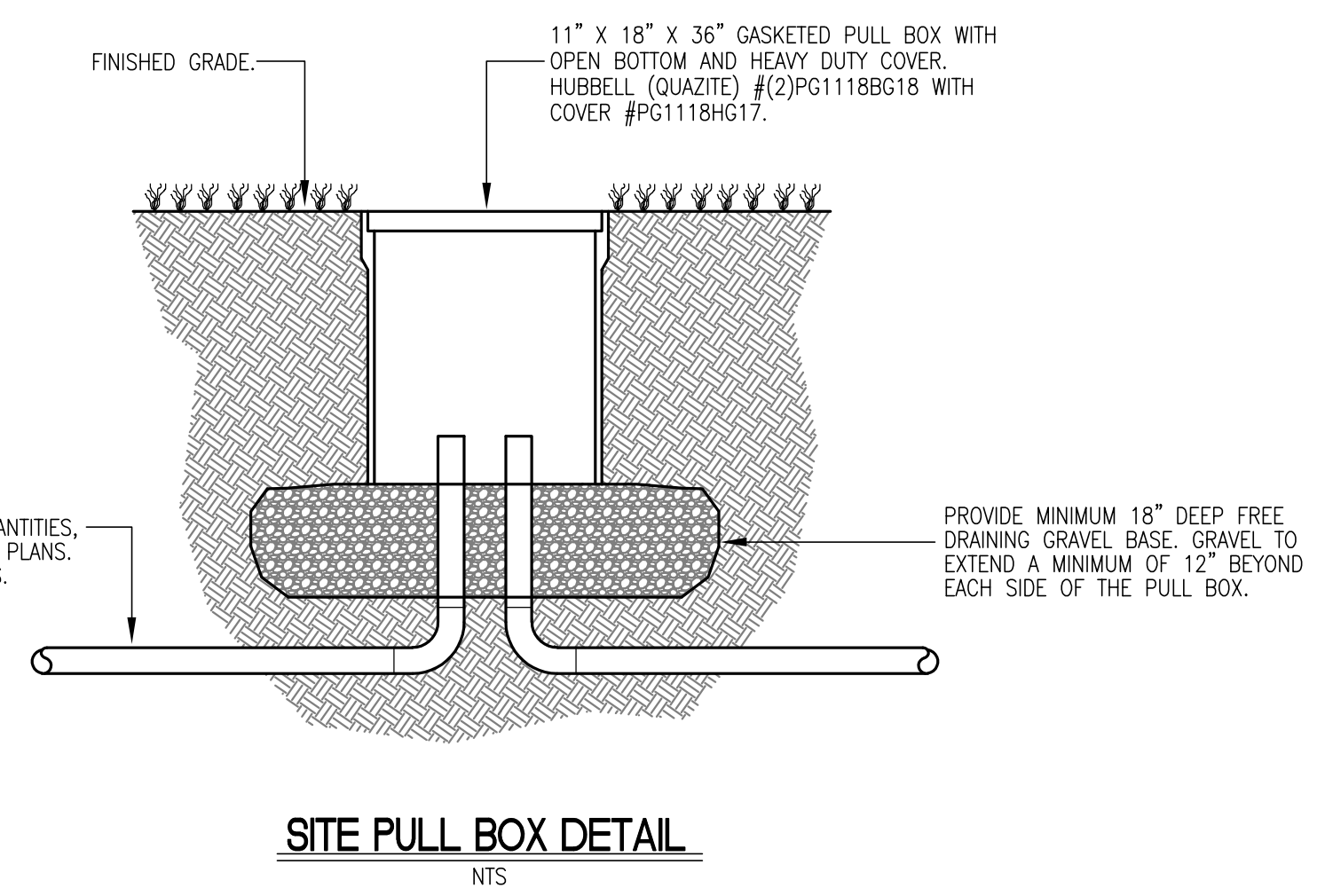
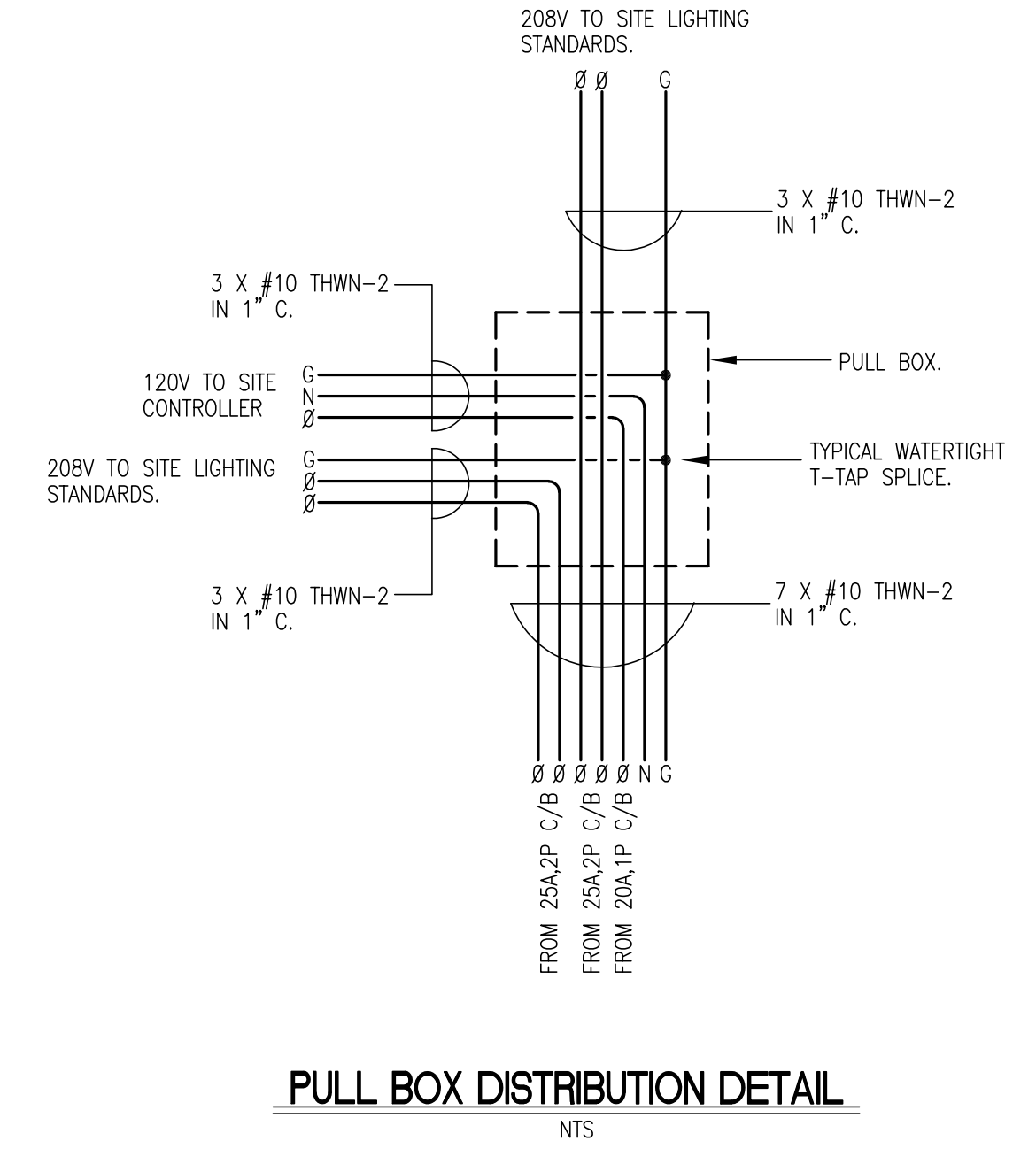
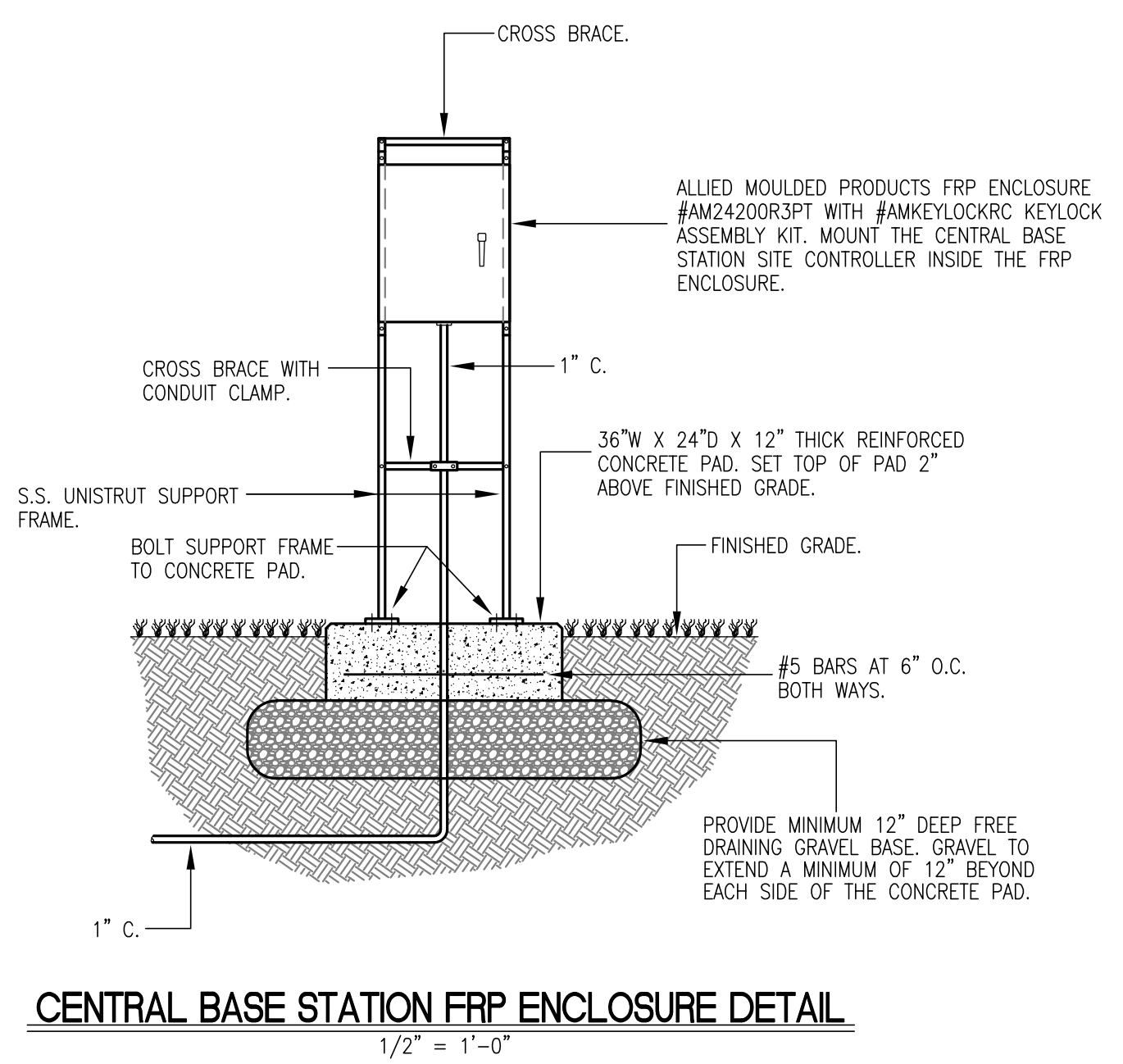
- ELECTRICAL SPECIFICATION NOTES**
- THE PROJECT SCOPE OF WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
 - CONNECTIONS TO EXISTING PANELBOARD.
 - FRP ENCLOSURE AND MOUNTING STANCHION.
 - PICKLEBALL LIGHTING STANDARDS AND CONTROLS.
 - REINFORCED PRECAST LIGHTING STANDARD CONCRETE BASES.
 - BRANCH CIRCUIT WIRING.
 - CIRCUIT BREAKERS.
 - PULL BOXES.
 - TRENCHING AND BACKFILL.
 - RESTORATION OF DISTURBED PAVEMENT AND LAWN.
 - THE CONTRACTOR SHALL VERIFY AND OBTAIN ALL NECESSARY DIMENSIONS AT THE BUILDING AND SITE.
 - FINISHED WORK: THE INTENT OF THE SPECIFICATIONS AND DRAWINGS IS TO CALL FOR FINISHED WORK, COMPLETED, TESTED AND READY FOR OPERATION.
 - GOOD PRACTICE: IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY CONDUIT, JUNCTION BOX, FITTING OR MINOR DETAIL AND IT IS UNDERSTOOD THAT WHILE THE DRAWINGS MUST BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT, THE SYSTEMS SHALL BE INSTALLED ACCORDING TO THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS AND IN ACCORDANCE WITH GOOD PRACTICE.
 - CODES AND STANDARDS- COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES AND STANDARDS WHEREVER APPLICABLE INCLUDING THE FOLLOWING: 2022 CONNECTICUT STATE BUILDING CODE, 2021 INTERNATIONAL BUILDING CODE, 2022 CONNECTICUT FIRE SAFETY CODE, 2021 INTERNATIONAL FIRE CODE, 2020 NFPA TO NATIONAL ELECTRICAL CODE, ICC/ANSI A117.1 2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, ADA, NFPA, UNDERWRITERS LABORATORIES, FACTORY MUTUAL INSURANCE COMPANY, NEMA STANDARDS.
 - NOTE THAT THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF THE ELECTRICAL EQUIPMENT AND SYSTEMS, WITHOUT SHOWING EVERY DETAIL AND FITTING.
 - RACEWAYS:
 - PROVIDE EMT CONDUIT FOR ALL ABOVE GRADE WORK. CONNECTORS, COUPLINGS, AND FITTINGS SHALL BE WATER TIGHT GALVANIZED STEEL GLAND COMPRESSION TYPE.
 - PROVIDE RIGID PVC CONDUIT FOR ALL UNDERGROUND WORK. PVC CONDUIT SHALL BE HEAVY WALL SCHEDULE 40 PVC FOR UNDERGROUND WORK AND EXTRA HEAVY WALL SCHEDULE 80 PVC FOR UNDERGROUND WORK BELOW VEHICULAR TRAFFIC AREAS. JOINTS AND FITTINGS SHALL BE SOLVENT WELDED ALL TO ASTM STANDARDS FOR UNDERGROUND INSTALLATION AND IN ACCORDANCE WITH ARTICLE 352 OF THE NATIONAL ELECTRIC CODE.
 - PROVIDE RIGID METALLIC CONDUIT (RMC) WHERE CALLED FOR ON THE DRAWINGS AND FOR UNDERGROUND HORIZONTAL AND VERTICAL SWEEPS AND BENDS IN UNDERGROUND CONDUIT RUNS. RIGID STEEL CONDUIT, CONNECTORS, COUPLINGS, AND FITTINGS SHALL BE THREADED AND GALVANIZED.
 - THE MINIMUM CONDUIT BURIAL DEPTH SHALL BE 30".
 - CONDUCTORS SHALL BE COPPER, RATED 90 VOLTS, 90 DEG. C, COLOR CODED, TYPE THWN-2 FOR SIZES #18 AWG AND SMALLER AND TYPE XHHW FOR SIZES #8 AWG AND LARGER.
 - WIRE SIZE #8 AWG AND LARGER SHALL BE STRANDED, WIRE OF SIZE SMALLER THAN #8 AWG SHALL BE SOLID.
 - MINIMUM SIZE CONDUCTOR SHALL BE #12 AWG. MINIMUM CONDUIT SIZE SHALL BE 3/4" DIAMETER.

DRAWING LEGEND

SYMBOL/ABBREVIATION	DESCRIPTION
□	SINGLE HEAD PICKLEBALL LIGHTING STANDARD.
□□	TWO HEAD PICKLEBALL LIGHTING STANDARD.
□PB	FLUSH GRADE PULL BOX.
—	CONDUIT.
	CONDUCTORS IN CONDUIT. CROSS LINES INDICATE QUANTITY OF CONDUCTORS.
A	AMP.
C	CONDUIT.
C/B	CIRCUIT BREAKER.
NTS	NOT TO SCALE.
P	POLE.
PB	PULL BOX.



- NOTES:**
- PROCESS STONE BASE SHALL BE CRUSHED TRAP ROCK CONFORMING TO ARTICLE M.05.01 OF THE FORM B17 AND TOWN SPECIFICATIONS. GRAVEL OR RECLAIMED MISCELLANEOUS AGGREGATE SHALL NOT BE USED.
 - PERMANENT TRENCH REPAIRS FOR STREETS WITH CONCRETE PAVEMENT OR CONCRETE BASE MAY CONSIST OF 2" HMA S0.5", 8" HMA S1.0" AND 10" GRAVEL SUBBASE AT THE DISCRETION OF THE TOWN ENGINEER.
 - AT THE REQUEST OF THE TOWN ENGINEER THE CONTRACTOR SHALL VERIFY AND SUBMIT PROPER TESTING RESULTS THAT COMPACTION MEETS WITH TOWN'S STANDARDS FOR A 95% COMPACTION DENSITY.



Signature and Stamp of the Professional Engineer