

13973 HALE ROAD
TOWNSHIP OF BURTON,
COUNTY OF GEAUGA, AND STATE OF OHIO

BENCHMARK 1	BENCHMARK 2
MAGNETIZED NAIL SET ON THE NORTH SIDE OF A POWER POLE NEAR THE EAST RIGHT-OF-WAY ON HALE ROAD APPROXIMATELY 2,280 FEET NORTH OF THE INTERSECTION OF HALE ROAD AND BURTON-WINDSOR ROAD	IRON PIN SET NEAR THE WEST RIGHT-OF-WAY ON HALE ROAD APPROXIMATELY 56 FEET WEST OF THE NORTHWEST PROPERTY CORNER
N: 666817.4340 E: 2347181.5620 ELEVATION: 1247.96	N: 666968.4570 E: 2347128.1340 ELEVATION: 1240.648

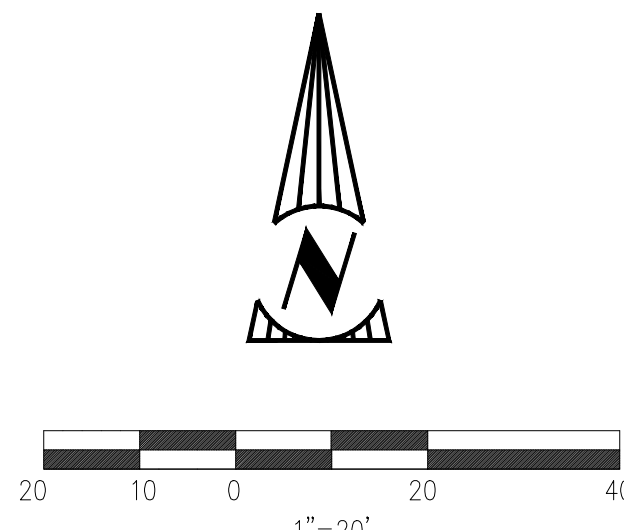
STANDARD DRAWING NUMBER	ITEM DESCRIPTION
CB-1.2	CATCH BASIN 2-3
HW-2.1	HALF HEIGHT HEADWALL

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1. TOPOGRAPHIC SURVEY PERFORMED BY MANNIK AND SMITH GROUP DATED 7/31/2019.
2. GEOTECHNICAL REPORT PREPARED BY MANNIK AND SMITH GROUP, DATED 8/21/2019.
3. CXT SINGLE UNIT VAULT SPECIFICATION.

A circular professional engineer seal for the State of Ohio. The outer ring contains the text "STATE OF OHIO" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The center of the seal contains the name "GREG L. SCHUNCK" and the number "69826". The seal is stamped in black ink on a white background, with blue ink signatures written over it.

1	TITLE SHEET	WELTON'S GORGE PROPERTY IMPROVEMENTS 13973 HALE ROAD BURTON TOWNSHIP, OHIO 44021	PREPARED FOR: GEAUGA PARK DISTRICT 9160 ROBINSON ROAD CHARDON, OH 44024	 Mannik Smith GROUP www.MannikSmithGroup.com	TECHNICAL SKILL. CREATIVE SPIRIT.	PROJECT DATE:	AUG 2019	PROJECT NO:	G1900001	DRAWN BY:	JFK	CHECKED BY:	GLS	NO.	8/22/2019	JFK	DESIGN DEVELOPMENT SUBMITTAL
						TEL: 216.378.1490 FAX: 216.378.1497	22225 MERCANTILE ROAD BEACHWOOD, OH 44122	10/7/2019	JFK	BID AND PERMIT SET							



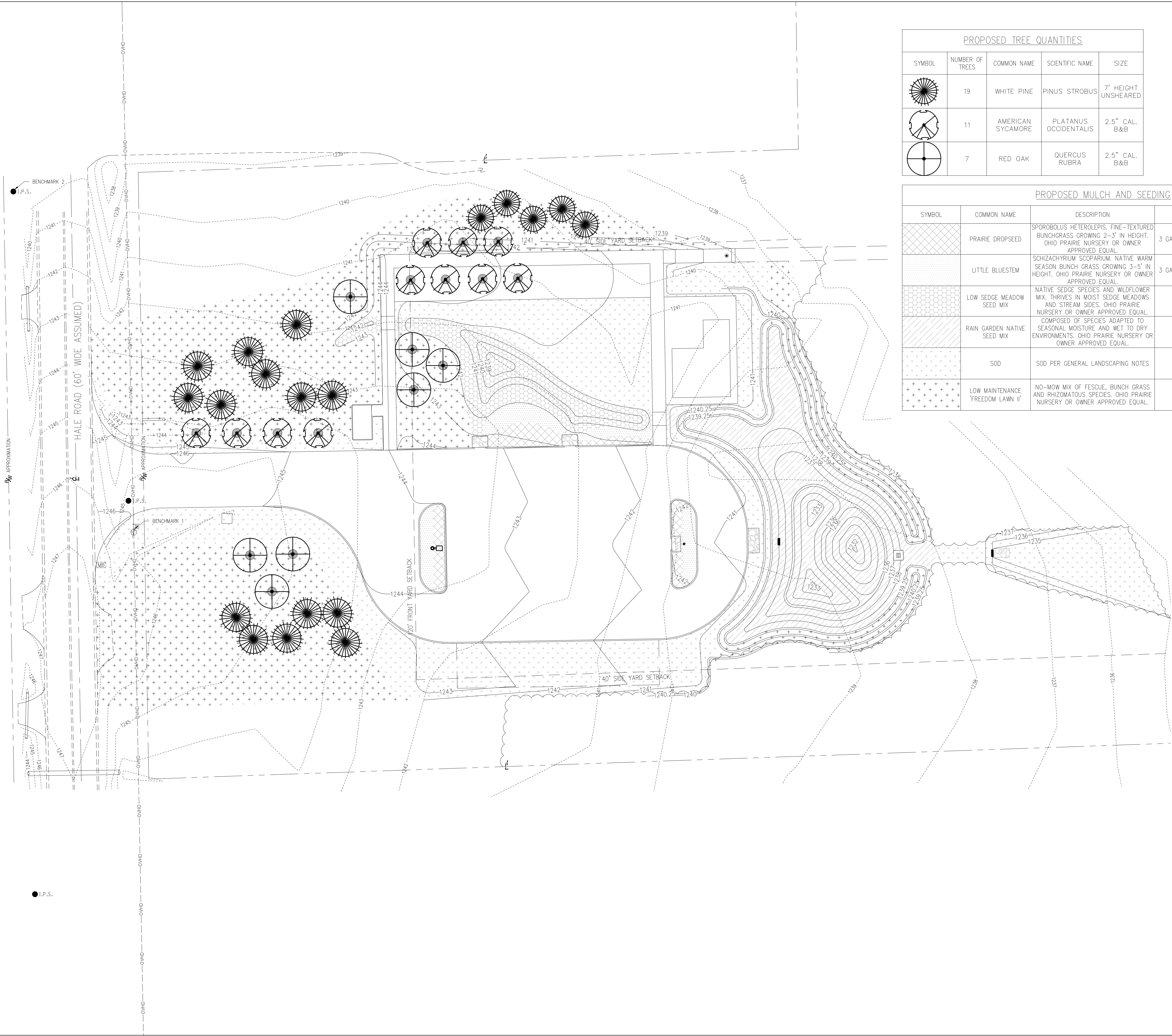
	PROP. INTERMEDIATE CONTOUR
	PROP. INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOURS
	EXISTING INDEX CONTOURS
	PROPOSED SLOPE INDICATOR
	RIDGE, VALLEY, OR GRADE BREAK AS INDICATED
	PAV'T/SWALE SLOPE PERCENT
	RUNOFF FLOW DIRECTION
	PROPOSED SPOT ELEVATION
	MEET EXISTING PAVEMENT GRADE
	WALK
	STRUCTURE RIM
	CURB CUT
	SWALE CENTERLINE
	DISTURBED LIMITS

1. SPOT ELEVATIONS SHOW DEPICT THE PROPOSED PAVEMENT ON GROUND SURFACE, OR PAVEMENT ELEVATION AT FACE OF CURB UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION.
3. CONTRACTOR TO SUPPORT AND PROTECT EXISTING UTILITIES THROUGHOUT DURATION OF CONTRACT. ALL UTILITIES ARE TO REMAIN ACTIVE.
4. CONTRACTOR SHALL USE CAUTION WHILE WORKING NEAR EXISTING UNDERGROUND UTILITIES.
5. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY ONSITE ITEMS DAMAGED DURING CONSTRUCTION IN THE SAME OR BETTER CONDITION THAN THEY WERE PRIOR TO CONSTRUCTION.

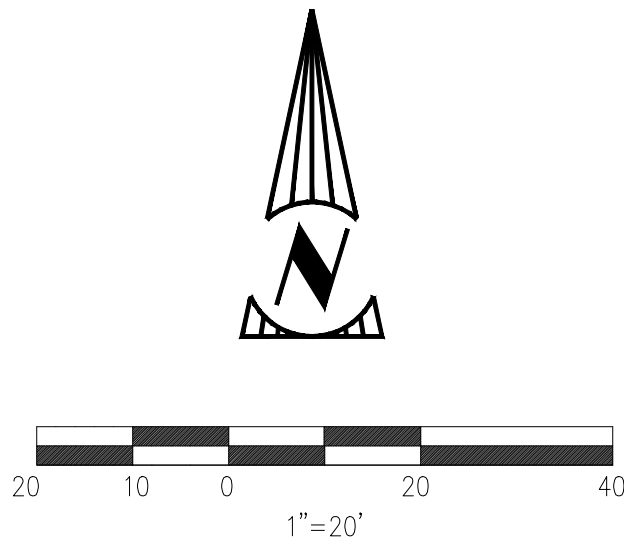
- ① PROPOSED CULVERT PIPE UNDER DRIVEWAY APRON. GEAGA COUNTY ENGINEER TO DETERMINE PIPE SIZE ONCE DRIVEWAY PERMIT IS OBTAINED.
- ② CONTRACTOR SHALL UTILIZE BASIN AREA AS A BORROW PIT TO GENERATE STRUCTURAL MATERIAL AS REQUIRED. CONTRACTOR TO BACKFILL ALL BASIN BORROW AREAS WITH TOPSOIL AND NON-STRUCTURAL SOILS TO ACHIEVE GRADES SHOWN HEREIN. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AND RESTORE THE DISTURBED SITE LIMITS WITH FINAL GRADES OF TOPSOIL COVERAGE OF 12 INCHES.

PROPOSED STORM STRUCTURE TABLE

- ① HALF HEIGHT HEADWALL
N 666807.46
E 2347563.82
FL 1235.00 ~ 12" W
 - ② OUTLET CONTROL
STRUCTURE. SEE SHEET 13
FOR DETAIL
N 666806.71
E 2347522.00
RIM 1235.00
FL 1236.00 ~ 12" W
FL 1236.00 ~ 12" E
 - ③ HALF HEIGHT HEADWALL
N 666812.51
E 2347468.64
FL 1234.00 ~ 6" W
 - ④ YARD DRAIN
N 666811.65
E 2347426.60
RIM 1241.38
FL 1239.38 ~ 6" E

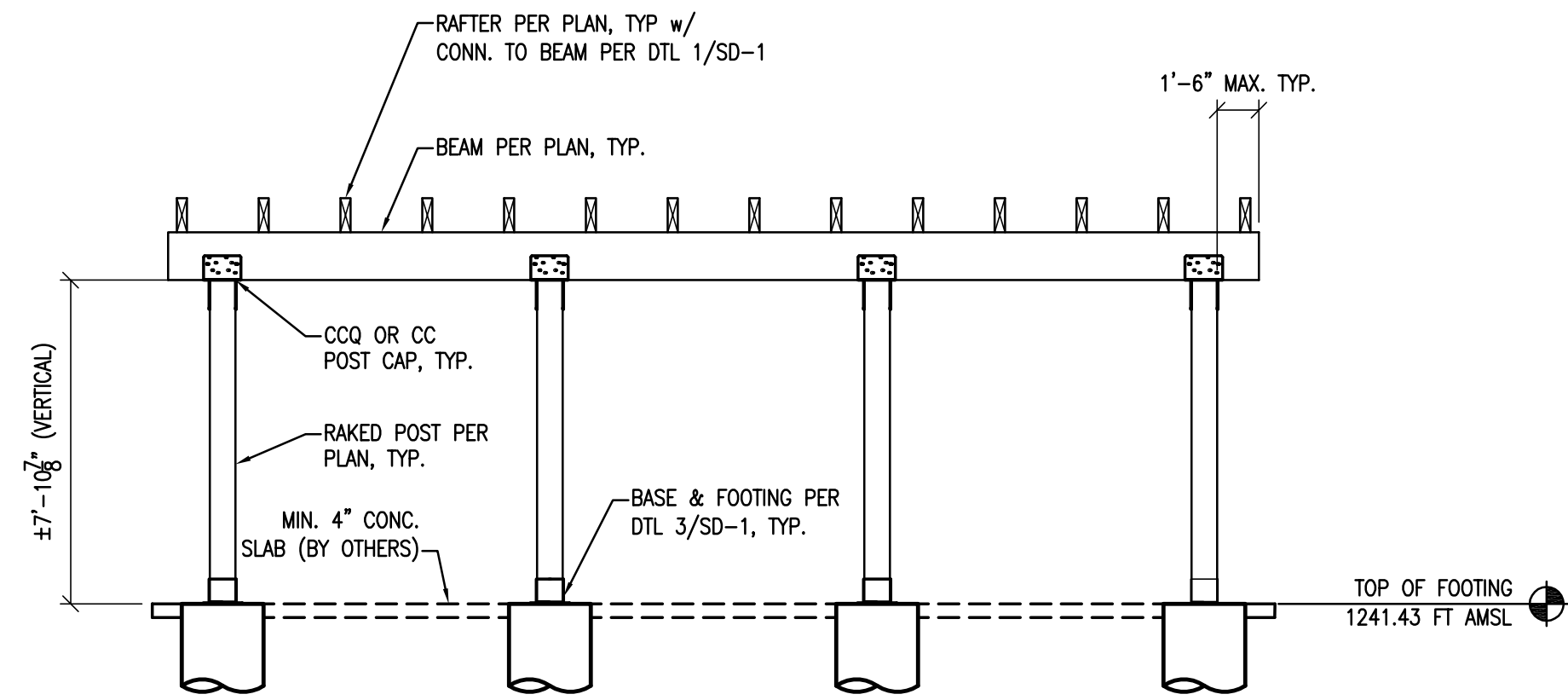


PROPOSED TREE QUANTITIES				
SYMBOL	NUMBER OF TREES	COMMON NAME	SCIENTIFIC NAME	SIZE
	19	WHITE PINE	PINUS STROBUS	7" HEIGHT UNSHEARED
	11	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS	2.5" CAL. B&B
	7	RED OAK	QUERCUS RUBRA	2.5" CAL. B&B



PROPOSED MULCH AND SEEDING				
SYMBOL	COMMON NAME	DESCRIPTION	SIZE	SEEDING DATES
	PRAIRIE DROPSEED	SPOROBOLUS HETEROLEPIS, FINE-TEXTURED BUNCHGRASS GROWING 2-3' IN HEIGHT. OHIO PRAIRIE NURSERY OR OWNER APPROVED EQUAL.	3 GAL. CONT.	--
	LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM, NATIVE WARM SEASON BUNCH GRASS GROWING 3-5' IN HEIGHT. OHIO PRAIRIE NURSERY OR OWNER APPROVED EQUAL.	3 GAL. CONT.	--
	LOW SEDGE MEADOW SEED MIX	NATIVE SEDGE SPECIES AND WILDFLOWER MIX. THRIVES IN MOIST SEDGE MEADOWS AND STREAM SIDES. OHIO PRAIRIE NURSERY OR OWNER APPROVED EQUAL.	--	EARLY MARCH THROUGH JUNE OR EARLY NOVEMBER THROUGH LATE FEBRUARY (DORMANT SEEDING)
	RAIN GARDEN NATIVE SEED MIX	COMPOSED OF SPECIES ADAPTED TO SEASONAL MOISTURE AND WET TO DRY ENVIRONMENTS. OHIO PRAIRIE NURSERY OR OWNER APPROVED EQUAL.	--	EARLY MARCH THROUGH JUNE OR EARLY NOVEMBER THROUGH LATE FEBRUARY (DORMANT SEEDING)
	SOD	SOD PER GENERAL LANDSCAPING NOTES	--	EARLY MARCH THROUGH JUNE OR EARLY NOVEMBER THROUGH LATE FEBRUARY (DORMANT SEEDING)
	LOW MAINTENANCE 'FREEDOM LAWN II'	NO-MOW MIX OF FESCUE, BUNCH GRASS AND RHIZOMATOUS SPECIES. OHIO PRAIRIE NURSERY OR OWNER APPROVED EQUAL.	--	LATE APRIL THROUGH EARLY JUNE OR LATE AUGUST THROUGH SEPTEMBER

8	LANDSCAPE PLAN	WELTON'S GORGE PROPERTY IMPROVEMENTS 13973 HALE ROAD BURTON TOWNSHIP, OHIO 44021	PREPARED FOR: GEAUGA PARK DISTRICT 9160 ROBINSON ROAD CHARDON, OH 44024	 www.MannikSmithGroup.com	TECHNICAL SKILL: CREATIVE SPIRIT.	NO.	22025 MERCANTILE ROAD BEECH CREEK, OH 44022 TEL: 216.378.1480 FAX: 216.378.1487	DATE JFK 8/23/2019 JFK 10/7/2019	BY JFK	DESCRIPTION DESIGN DEVELOPMENT SUBMITTAL BID AND PERMIT SET
						PROJECT NO.: G1900001 JFK GLS	DRAWN BY: JFK	CHECKED BY: GLS		

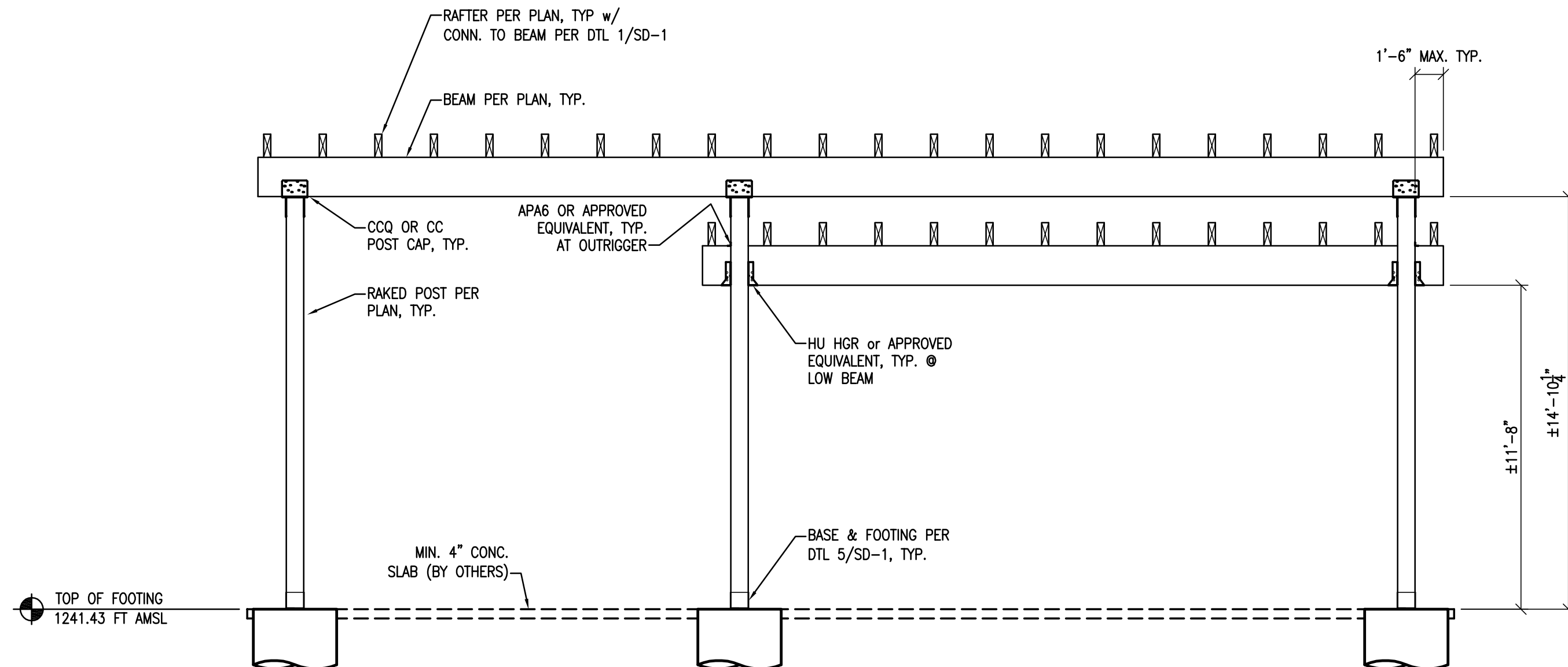


SECTION A-A

1/4" = 1'-0"

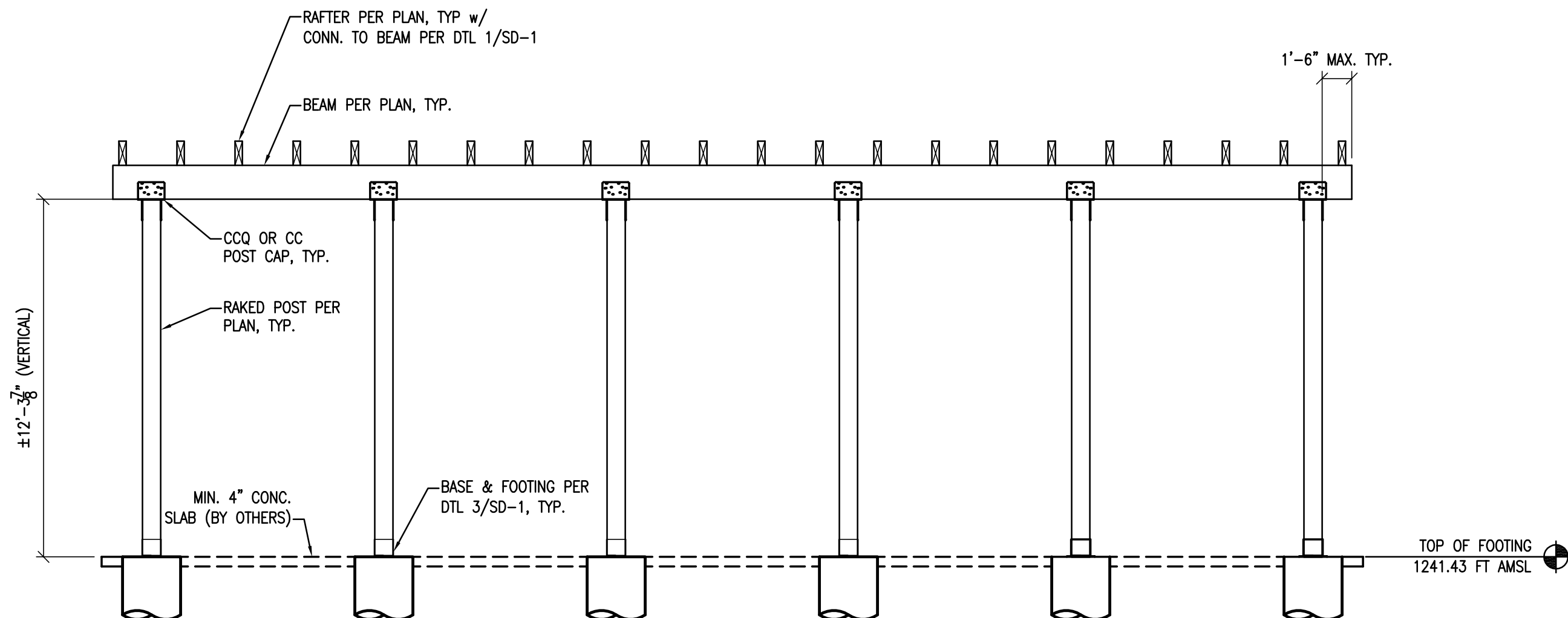
ROOFING AND ROOF DECK NOT SHOWN FOR CLARITY. SEE DTL 1/SD-1 FOR DECK TO RAFTER CONNECTION

DIMENSIONS BASED OFF DESIGN FROM WESTERN TIMBER FRAME. COORDINATE w/ ARCH'L & CIVIL PLANS BEFORE ERECTION



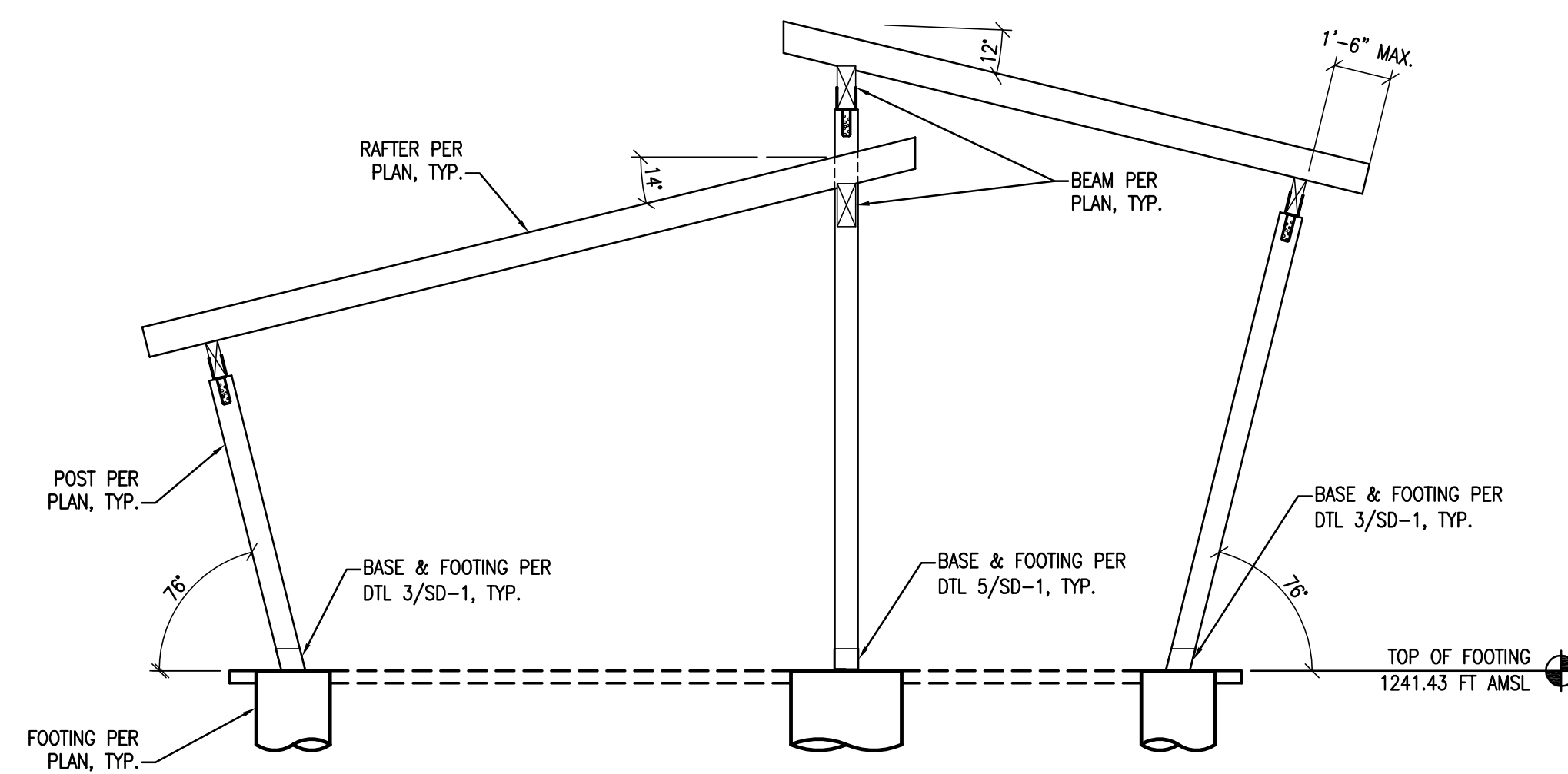
SECTION B-B

1/4" = 1'-0"



SECTION C-C

1/4" = 1'-0"



SECTION D-D

1/4" = 1'-0"

DATE	11-15-19	ENG: A.M.	DWN: MGP	CHK: RNE
REV.	#	DATE	BY	DESCRIPTION
1	1	10/2/2020	VS	roof, gutter, and downspouts



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WESTERN TIMBER FRAME
MAN-SM1 PERGOLA
SECTIONS



U1493-076-191

S3