



The Williams School

ATHLETIC COMPLEX

TENNIS AND PICKLEBALL COURTS

122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

JUNE 2025

PERMIT DRAWINGS

PLANNING AND ZONING COMMISSION SUBMISSION

PREPARED FOR:

THE WILLIAMS SCHOOL

PREPARED BY:

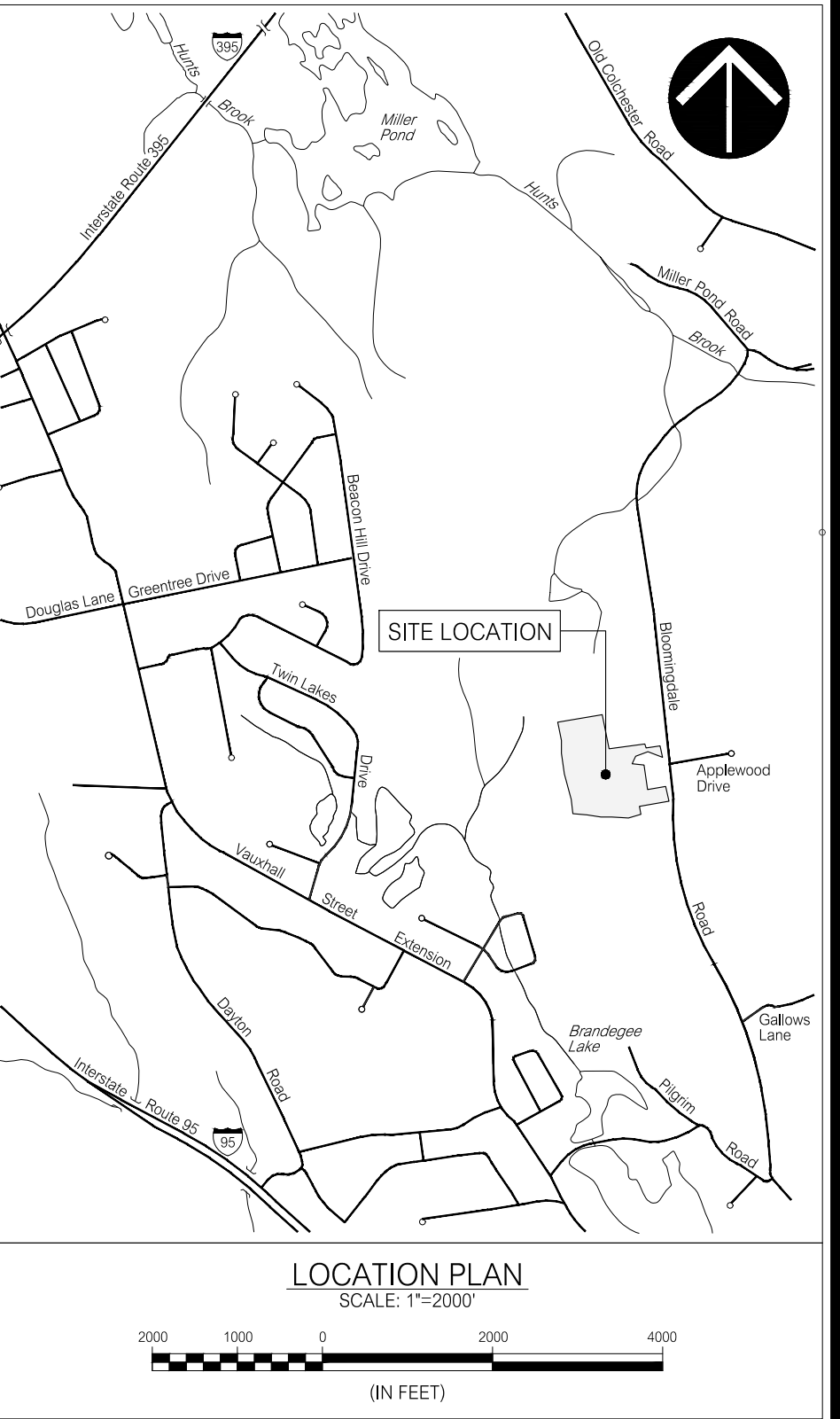
Summer Hill

Civil Engineers & Land Surveyors, P.C.
60 Wall Street
P.O. Box 708
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

ISSUED FOR PERMITTING 6-20-25

No. _____

SCHEDULE OF DRAWINGS	
SHEET No.	TITLE
C-001	TITLE SHEET
C-002	GENERAL NOTES, ABBREVIATIONS, AND LEGEND
C-003	EROSION AND SEDIMENT CONTROL NARRATIVE AND NOTES
C-101	OVERALL ATHLETIC COMPLEX PLAN
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C-308	COURT LIGHTING PHOTOMETRICS



OWNER

WILLIAMS MEMORIAL INSTITUTE
P.O. BOX 1310
NEW LONDON, CONNECTICUT 06320
860-439-2786

APPLICANT

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MICHAEL J. OTT, P.E., L.S.
CT REGISTRATION No. 70082

MICHAEL J. OTT, P.E., L.S.
CT REGISTRATION No. 70082

DATE

EXPIRATION DATE PER SECTION 8-3(i) OF THE CONNECTICUT GENERAL STATUTES _____

APPROVED BY THE TOWN OF WATERFORD PLANNING AND ZONING COMMISSION

CHAIRMAN _____ DATE _____

7-28-25 PRELIMINARY STAFF REVIEW COMMENTS

SHEET No.: C-001

ABBREVIATIONS

AC.	ACRE
ACP	ASBESTOS CEMENT PIPE
ACOMP	ASPHALT COATED CORRUGATED METAL PIPE
A.S.D.B.E.	AS ORDERED BY ENGINEER
B&B	BALLED & BURLAPPED
BIT.	BITUMINOUS
BM	BENCHMARK
B.O.F.	BOTTOM OF FOOTING
CATV	CABLE TELEVISION
CB	CATCH BASIN
C.C.	CENTER TO CENTER
C.C.S.	CONNECTICUT COORDINATE SYSTEM
CFS	CUBIC FEET PER SECOND
CHD	CONNECTICUT HIGHWAY DEPARTMENT
CIP	CAST IRON PIPE
CJ	CONSTRUCTION OR CONTRACTION JOINT
CL	CLEAR
C.L.&P.	CONNECTICUT LIGHT AND POWER
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CONT.	CONTINUOUS
CPEP	CORRUGATED POLYETHYLENE PIPE
C.Y.	CUBIC YARD
DBL	DOUBLE
DH	DRILL HOLE
DI	DUCTILE IRON
DIA.	DIAMETER
DIP	DUCTILE IRON PIPE
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
E.O.B.	END OF BORING
EOP	EDGE OF PAVEMENT
EQ.	EQUAL
EX.	EXISTING
f' _c	MINIMUM COMPRESSIVE STRENGTH
F.F.	YIELD STRENGTH OF STEEL REINFORCEMENT
FM	FINISH FLOOR
FND.	FORCE MAIN
FRP	FOUND
FT	FIBERGLASS REINFORCED PLASTIC
GA.	FEET OR FOOT
GAL.	GAUGE
H	GALLON
HDPE	HORIZONTAL
HMA	HIGH DENSITY POLYETHYLENE
HTL	HOT MIX ASPHALT
I.D.	HTL
INV.	HIGH TIDE LINE
I.P.	INSIDE DIAMETER
KSF	INVERT
L	IRON PIN/PIPE
LB	KIPS PER SQUARE FOOT
L.F.	LENGTH
L.S.	POUND
LT	LINEAR FEET
LVC	LUMP SUM
MAX.	LEFT
MH	LENGTH OF VERTICAL CURVE
MIN.	MAXIMUM
MON.	MANHOLE
NF	MINIMUM
N.L.C.	MONUMENT
NTS	NOW OR FORMERLY
O.C.	NOT IN CONTRACT
O.D.	NOT TO SCALE
P.C.	ON CENTER
P.C.C.	OUTSIDE DIAMETER
PE	POINT OF CURVATURE
P.I.	POINT OF COMPOUND CURVATURE
P.R.C.	PLAIN END OR POLYETHYLENE
PSF	POINT OF INTERSECTION
PSI	POINT OF REVERSE CURVATURE
P.T.	POUNDS PER SQUARE FOOT
PVC	POUNDS PER SQUARE INCH
PVCC	POINT OF TANGENCY
PVI	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
PVRC	POINT OF VERTICAL COMPOUND CURVATURE
PVT	POINT OF VERTICAL INTERSECTION
R	POINT OF VERTICAL REVERSE CURVATURE
RCCE	POINT OF VERTICAL TANGENCY
RCP	RADIUS
R.O.W.	REINFORCED CONCRETE CULVERT END
R.R.	REINFORCED CONCRETE PIPE
RT	RIGHT-OF-WAY
RW	RAILROAD
SAN	RIGHT
SCG	RETAINING WALL
SCH.	SANITARY
SDR	SOUTHERN CONNECTICUT GAS
S.F.	SCHEDULE
SNET	STANDARD DIMENSION RATIO
S.S.	SQUARE FOOT
STA.	SOUTHERN NEW ENGLAND TELEPHONE
STD.	STAINLESS STEEL
S.Y.	STATION
T&B	STANDARD
T.F.	SQUARE YARD
T.G.	TOP AND BOTTOM
T.O.F.	TOP OF FRAME
T.O.W.	TOP OF GRATE
TYP.	TOP OF FOOTING
U.I.	TOP OF WALL
V	TYPICAL
VCP	UNITED ILLUMINATING
WF	VERTICAL
	VITRIFIED CLAY PIPE
	WETLAND FLAG

PROPERTY LINE
RIGHT-OF-WAY LINE
EASEMENT LINE
BASELINE
ELEVATION CONTOUR
ELEVATION
EDGE OF PAVEMENT
CURBING
GUIDE RAIL
TREE LINE
MAILBOX
SIGN
LIGHT POST
UTILITY POLE (W/GUY)
UTILITY POLE (W/LIGHT)
HYDRANT
CHAIN LINK FENCE
WIRE FENCE
WOOD FENCE
STONE WALL
HEDGE/ROW
WATERCOURSE
INLAND WETLAND BOUNDARY
TIDAL WETLAND BOUNDARY
COMMUNICATIONS
ELECTRIC
GAS MAIN/SERVICE
WATER MAIN/SERVICE
OVERHEAD UTILITY WIRE(S)
SANITARY SEWER ≤ 12" DIAMETER
SANITARY SEWER > 12" DIAMETER
STORM SEWER ≤ 12" DIAMETER
STORM SEWER > 12" DIAMETER
CATCH BASIN
MANHOLE
SURVEY CONTROL STATION
TEST PIT
BORING
PROBE
ASSESSOR'S MAP NO.-LOT NO.
SOIL TYPE
SOIL TYPE BOUNDARY
FLOODPLAIN BOUNDARY
LIMIT OF DISTURBANCE
LIMIT OF FILL
PAVEMENT REMOVAL LINE
SEDIMENTATION CONTROL BARRIER
SEDIMENTATION CONTROL AT DRAINAGE STRUCTURE

DECIDUOUS TREE
CONIFEROUS TREE
SHRUB
TREE TO BE REMOVED

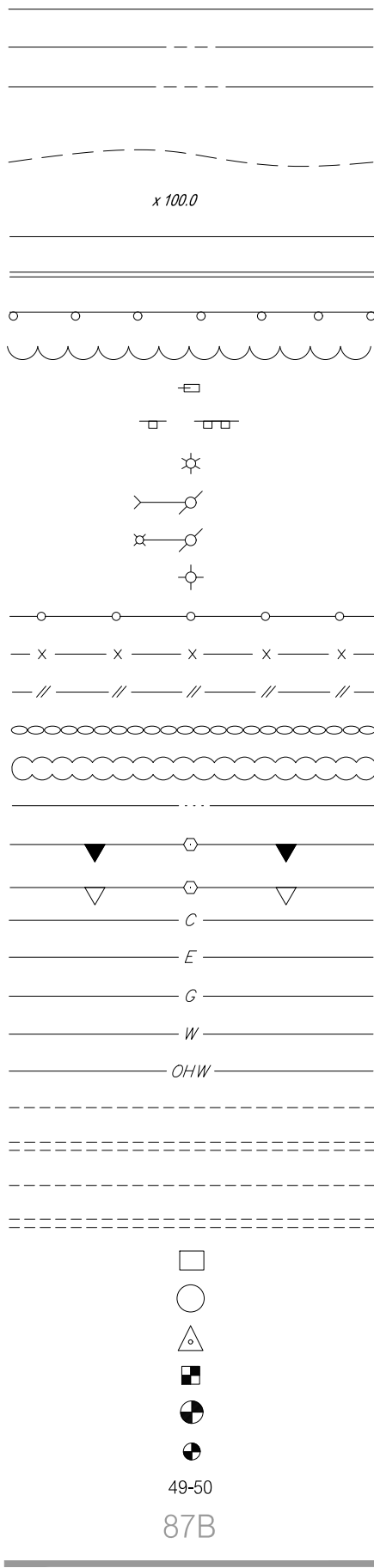
SOIL TYPE LEGEND

REFERENCE:
NATIONAL COOPERATIVE SOIL SURVEY DATA FOR THE STATE OF CONNECTICUT, U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE

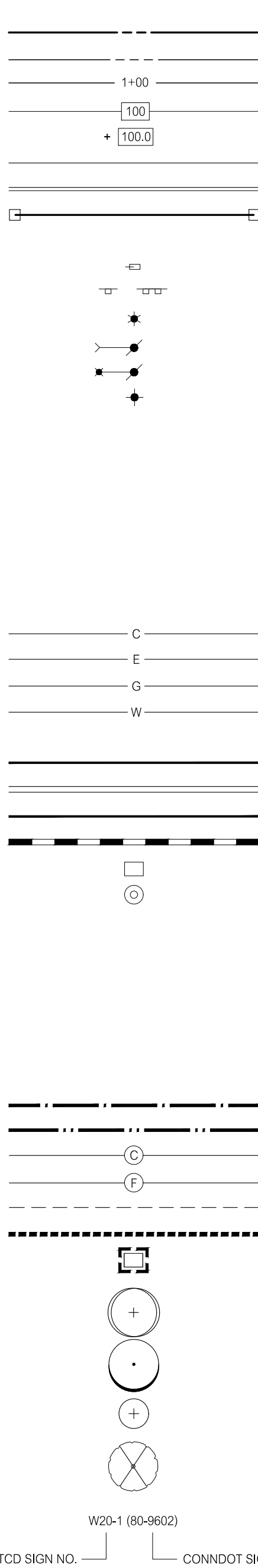
MAP UNIT SYMBOL	MAP UNIT DESCRIPTION
61B	CANTON AND CHARLTON FINE SANDY LOAMS, 0 TO 8 PERCENT SLOPES, VERY STONY
62C	CANTON AND CHARLTON FINE SANDY LOAMS, 15 TO 35 PERCENT SLOPES, EXTREMELY STONY
74C	NARRAGANSETT-HOLLIS COMPLEX, 3 TO 15 PERCENT SLOPES, VERY ROCKY
75E	HOLLIS-CHATFIELD-ROCK OUTCROP COMPLEX, 3 TO 15 PERCENT SLOPES

LEGEND

EXISTING



PROPOSED



GENERAL NOTES:

- THESE DRAWINGS ARE INTENDED TO BE USED FOR MUNICIPAL, STATE, AND/OR FEDERAL PERMITTING PURPOSES AND ARE NOT INTENDED TO BE USED AS CONSTRUCTION DOCUMENTS.
- UNDERGROUND UTILITIES, STRUCTURES, AND OTHER FACILITIES DEPICTED HEREIN HAVE BEEN COMPILED FROM RECORD MAPPING AND FIELD LOCATIONS OF ABOVE GROUND FACILITIES AND MARKOUTS. ALL UNDERGROUND FACILITY LOCATIONS SHOWN SHOULD BE CONSIDERED APPROXIMATE ONLY AND ALL FACILITIES MAY NOT BE SHOWN.
- BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND FOR THE MAINTENANCE AND PROTECTION THEREOF. CONTACT THE CONNECTICUT "CALL BEFORE YOU DIG" CENTRAL CLEARANCE CENTER (1-800-922-4455) AT LEAST TWO WORKING DAYS PRIOR TO THE START OF WORK TO ESTABLISH AND HAVE MARKED ON THE GROUND THE LOCATION OF ALL UNDERGROUND UTILITIES. NOTIFY THE ENGINEER IN THE EVENT THAT A UTILITY IS LOCATED DURING THE PROGRESS OF THE WORK THAT IS NOT INDICATED ON OR IS NOT IN ACCORDANCE WITH THE DRAWINGS.
- UTILITY COMPANY CONTACTS:
CABLE TELEVISION - COMCAST OF CONNECTICUT, INC. (860) 505-3331
COMMUNICATIONS - FRONTIER COMMUNICATIONS OF CONNECTICUT (203) 238-5000
COMMUNICATIONS - LIGHT TOWER FIBER NETWORKS I, LLC (508) 616-7818
ELECTRIC - EVERSOURCE ENERGY (860) 865-4733
GAS - YANKEE GAS SERVICES (203) 592-3494
SANITARY SEWER - TOWN OF WATERFORD UTILITIES COMMISSION DEPARTMENT (860) 444-5886
WATER - CITY OF NEW LONDON DEPARTMENT OF PUBLIC UTILITIES (860) 437-6365
- IN GENERAL, EXISTING CONDITIONS AND FEATURES ARE DEPICTED IN SCREENED GRAPHICS AND TITLECASE LETTERING AND PROPOSED WORK IS DEPICTED IN BOLD GRAPHICS AND UPPERCASE LETTERING.
- THE STANDARD SPECIFICATIONS AS DEFINED IN THE CONTRACT DOCUMENTS ARE THE "STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 619, 2024, AND ALL SUPPLEMENTS THERETO.
- PRIOR TO THE START OF WORK, THOROUGHLY REVIEW THE CONTRACT DOCUMENTS, THE SITE OF THE WORK AND ALL EXISTING CONDITIONS AND FEATURES. NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS AND FEATURES IN THE FIELD.
- ADHERE TO THE REGULATIONS AND ORDINANCES OF THE TOWN OF WATERFORD, ALL APPLICABLE STATE AND FEDERAL REGULATORY AUTHORITIES, THE PROVISIONS OF THE CONTRACT DOCUMENTS, AND ALL APPROVALS AND/OR PERMITS ATTACHED THERETO.
- PROVIDE EROSION AND SEDIMENT CONTROLS AS SHOWN ON THE DRAWINGS OR AS ORDERED BY THE ENGINEER. THE MINIMUM STANDARDS FOR ALL EROSION AND SEDIMENT CONTROLS SHALL BE THOSE OUTLINED IN THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," LATEST REVISION. TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- MATERIAL AND EQUIPMENT STORAGE AREA LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
- VEHICLE AND EQUIPMENT FUELING AND MAINTENANCE OPERATIONS SHALL BE PERFORMED ONLY IN AREAS APPROVED BY THE ENGINEER.
- IN THE EVENT OF A CONTAMINANT RELEASE, IMMEDIATELY NOTIFY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION EMERGENCY RESPONSE AND SPILL PREVENTION DIVISION (860-424-3338 OR 866-337-7745) AND THE TOWN OF WATERFORD FIRE MARSHALS OFFICE (860-440-0544).
- BE RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC WITHIN AND ADJACENT TO WORK AREAS.
- BE RESPONSIBLE FOR THE CONTROL OF DUST RESULTING FROM CONSTRUCTION OPERATIONS.
- PROTECT ALL EXISTING CONDITIONS AND FEATURES WHERE NEW CONSTRUCTION IS NOT SHOWN ON THE DRAWINGS.
- THE SUBGRADE OF DISTURBED GROUND SURFACES NOT NOTED TO BE SURFACED OTHERWISE SHALL RECEIVE A 6" THICKNESS OF TOPSOIL UPON WHICH TURF SHALL BE ESTABLISHED.

PERMIT DRAWINGS

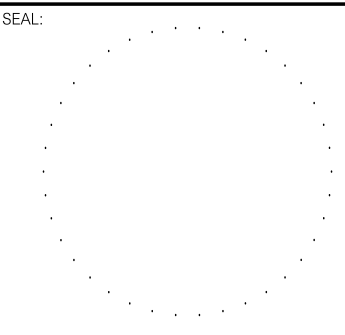
REVISIONS			TITLE
NO.	DATE	DESCRIPTION	
REVISIONS			



The Williams School
ATHLETIC COMPLEX
122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

DRAWING PHASE:

ISSUED FOR PERMITTING
DATE: 6-20-25



PREPARED BY:
Summer Hill
Civil Engineers & Land Surveyors, P.C.
60 Wall Street
P.O. Box 7108
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

PROJECT: TENNIS AND PICKLEBALL COURTS			
DATE: 6-1-25	SHEET: GENERAL NOTES, ABBREVIATIONS, AND LEGEND	SHEET NO.: C-002	
SCALE: NONE			
DESIGNED: MJO			
CHECKED: LJM	FIELD BOOK: -	PROJECT NO.: 25-02	



- NOTES:
1. BASE IMAGERY REFERENCE: 2023 ORTHOPHOTOGRAPHY ACCESSED FROM CONNECTICUT ENVIRONMENTAL CONDITIONS ONLINE. URL: <https://data.ct.gov/dataset/orthophoto>
 2. THE INLAND WETLAND BOUNDARIES DEPICTED HEREON WERE DELINEATED BY DAVISON ENVIRONMENTAL, LLC IN MARCH OF 2024 AND FEBRUARY OF 2025 AND FIELD LOCATED BY SUMMER HILL CIVIL ENGINEERS & LAND SURVEYORS, P.C.
 3. UPON REMOVAL OF ALL STOCKPILED MATERIAL, RESTORE THE TEMPORARY SOIL STOCKPILE AREA BY DECOMPACTING DISTURBED SOILS, PLACING A MINIMUM 4" DEPTH OF TOPSOIL, AND ESTABLISHING A CONSERVATION SEED MIXTURE GRASS VEGETATIVE COVER TO STABILIZE THE AREA.
 4. THE TOTAL NUMBER OF PARKING SPACES ON THE SITE IS 105 AND INCLUDES 5 RESERVED PARKING SPACES.
 5. PARKING SPACE NUMBERS ARE NOTED THUS (10).
 6. REPLACE ALL EXISTING RESERVED PARKING SPACE AND FIRE LANE SIGNAGE AND ALL EXISTING PARKING AREA PAVEMENT MARKINGS. SEE DETAILS SHEET C-306.

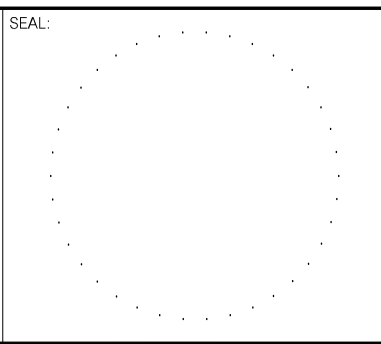
REVISIONS			TITLE
NO.	DATE	DESCRIPTION	REVISIONS
	7-28-25	PRELIMINARY STAFF REVIEW COMMENTS	



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ATHLETIC COMPLEX
122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

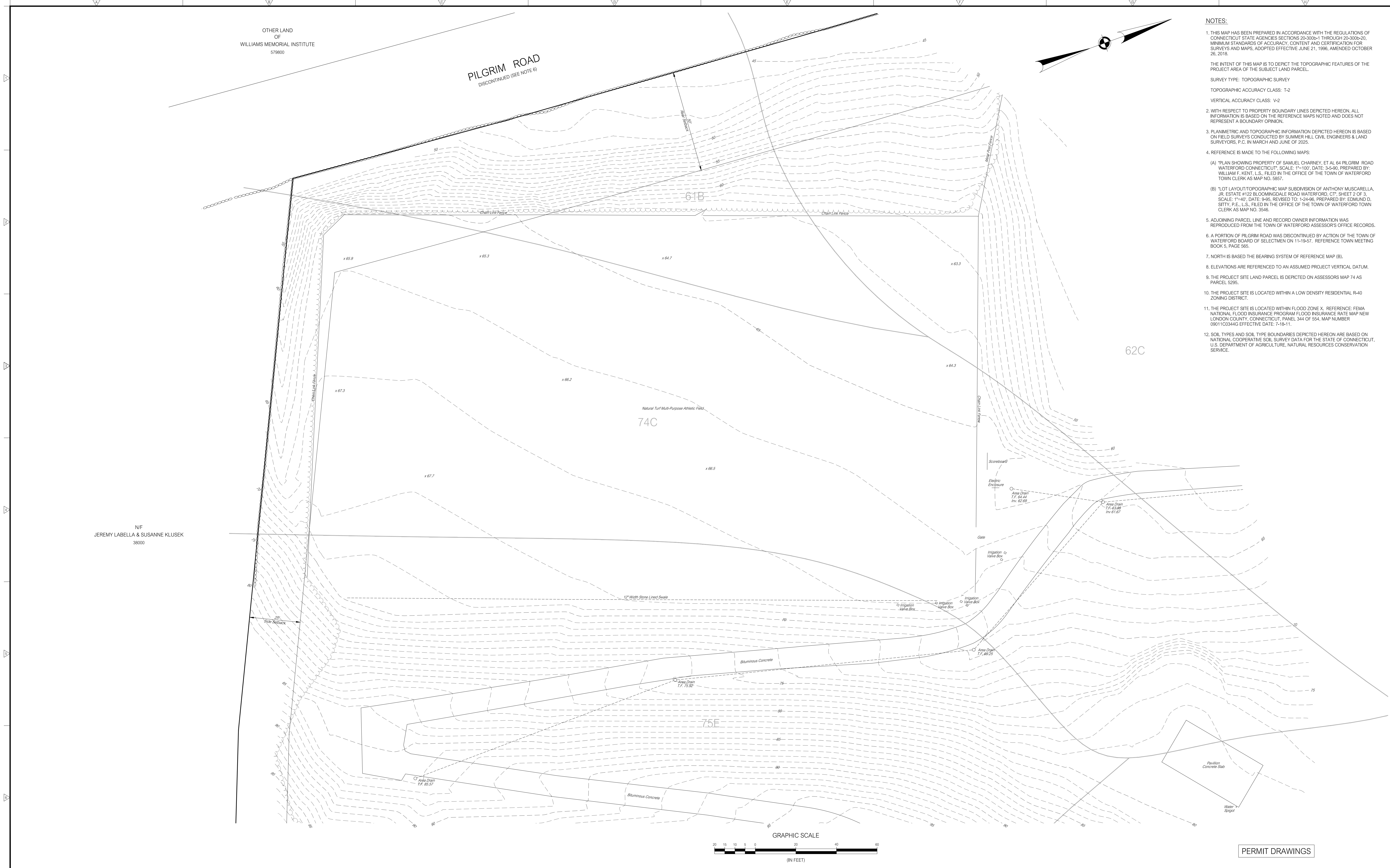
DRAWING PHASE:

ISSUED FOR PERMITTING
DATE: 6-20-25



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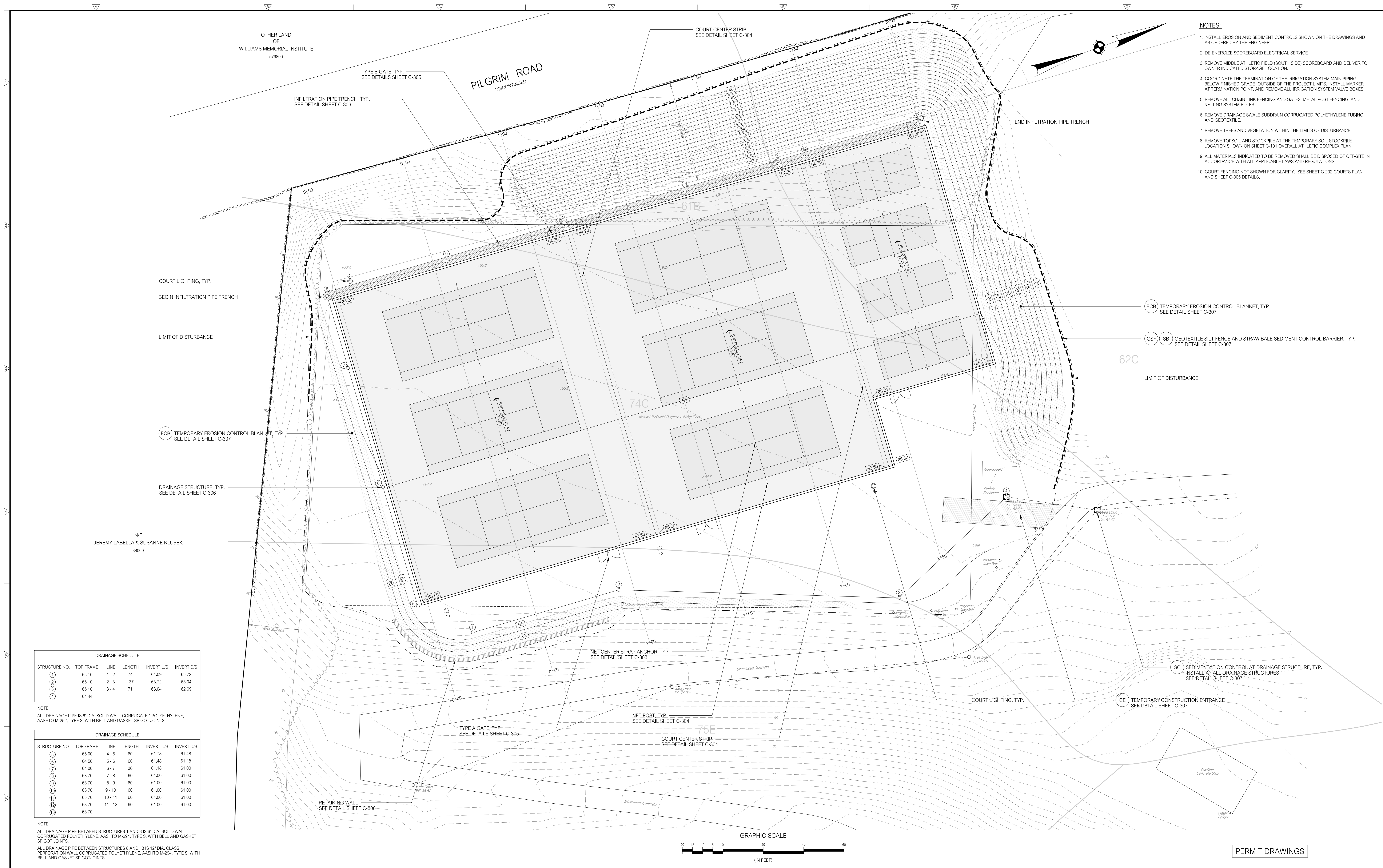
PROJECT: TENNIS AND PICKLEBALL COURTS			SHEET NO.: C-101
DATE: 6-1-25	SHEET: OVERALL ATHLETIC COMPLEX PLAN	FIELD BOOK:	PROJECT NO.: 25-02
SCALE: 1"=80'			
DESIGNED: MLJO			
CHECKED: LIM			



- NOTES:
- THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-303-1 THROUGH 20-309-20, MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS, ADOPTED EFFECTIVE JUNE 21, 1996, AMENDED OCTOBER 26, 2018.
 - THE INTENT OF THIS MAP IS TO DEPICT THE TOPOGRAPHIC FEATURES OF THE PROJECT AREA OF THE SUBJECT LAND PARCEL.
 - SURVEY TYPE: TOPOGRAPHIC SURVEY
 - TOPOGRAPHIC ACCURACY CLASS: T-2
 - VERTICAL ACCURACY CLASS: V-2
 - WITH RESPECT TO PROPERTY BOUNDARY LINES DEPICTED HEREON, ALL INFORMATION IS BASED ON THE REFERENCE MAPS NOTED AND DOES NOT REPRESENT A BOUNDARY OPINION.
 - PLANIMETRIC AND TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED ON FIELD SURVEYS CONDUCTED BY SUMMER HILL CIVIL ENGINEERS & LAND SURVEYORS, P.C. IN MARCH AND JUNE OF 2025.
 - REFERENCE IS MADE TO THE FOLLOWING MAPS:
 - (A) "PLAN SHOWING PROPERTY OF SAMUEL CHARNEY, ET AL 64 PILGRIM ROAD WATERFORD CONNECTICUT, SCALE: 1"=100', DATE: 3-5-90, PREPARED BY: WILLIAM F. KENT, L.S., FILED IN THE OFFICE OF THE TOWN OF WATERFORD TOWN CLERK AS MAP NO. 5857.
 - (B) "LOT LAYOUT/TOPOGRAPHIC MAP SUBDIVISION OF ANTHONY MUSCARELLA, JR. ESTATE #122 BLOOMINGDALE ROAD WATERFORD, CT, SHEET 2 OF 3 SCALE: 1"=40', DATE: 9-85, REVISED TO: 1-24-96, PREPARED BY: EDMUND D. SITT, P.E., L.S., FILED IN THE OFFICE OF THE TOWN OF WATERFORD TOWN CLERK AS MAP NO. 3546.
 - ADJOINING PARCEL LINE AND RECORD OWNER INFORMATION WAS REPRODUCED FROM THE TOWN OF WATERFORD ASSESSOR'S OFFICE RECORDS.
 - A PORTION OF PILGRIM ROAD WAS DISCONTINUED BY ACTION OF THE TOWN OF WATERFORD BOARD OF SELECTMEN ON 11-19-57. REFERENCE TOWN MEETING BOOK 5, PAGE 565.
 - NORTH IS BASED THE BEARING SYSTEM OF REFERENCE MAP (B).
 - ELEVATIONS ARE REFERENCED TO AN ASSUMED PROJECT VERTICAL DATUM.
 - THE PROJECT SITE LAND PARCEL IS DEPICTED ON ASSESSORS MAP 74 AS PARCEL 5295.
 - THE PROJECT SITE IS LOCATED WITHIN A LOW DENSITY RESIDENTIAL R-40 ZONING DISTRICT.
 - THE PROJECT SITE IS LOCATED WITHIN FLOOD ZONE X. REFERENCE: FEMA NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NEW LONDON COUNTY, CONNECTICUT, PANEL 344 OF 554, MAP NUMBER 09011C0344G EFFECTIVE DATE: 7-18-11.
 - SOIL TYPES AND SOIL TYPE BOUNDARIES DEPICTED HEREON ARE BASED ON NATIONAL COOPERATIVE SOIL SURVEY DATA FOR THE STATE OF CONNECTICUT, U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE.

PERMIT DRAWINGS

REVISIONS:			TITLE:			DRAWING PHASE:			TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON			SEALS:			PREPARED BY:			PROJECT:		
			W The Williams School ATHLETIC COMPLEX 122 BLOOMINGDALE ROAD WATERFORD, CONNECTICUT			ISSUED FOR PERMITTING DATE: 6/20/25			Michael J. Ott, P.E., L.S. CT REGISTRATION NO. 70082 DATE			Summer Hill Civil Engineers & Land Surveyors, P.C. 60 Wall Street P.O. Box 708 Madison, Connecticut 06443-0708 Telephone: (203) 245-0722			TENNIS AND PICKLEBALL COURTS					
DATE: 6-1-25															SHEET:		SHEET NO.:			
SCALE: 1"=20'															EXISTING CONDITIONS PLAN		C-102			
DESIGNED: MJO																				
CHECKED: LJM			FIELD BOOK: -			PROJECT NO.: 25-02														
REVISIONS																				



- NOTES:
1. INSTALL EROSION AND SEDIMENT CONTROLS SHOWN ON THE DRAWINGS AND AS ORDERED BY THE ENGINEER.
 2. DE-ENERGIZE SCOREBOARD ELECTRICAL SERVICE.
 3. REMOVE MIDDLE ATHLETIC FIELD (SOUTH SIDE) SCOREBOARD AND DELIVER TO OWNER INDICATED STORAGE LOCATION.
 4. COORDINATE THE TERMINATION OF THE IRRIGATION SYSTEM MAIN PIPING BELOW FINISHED GRADE OUTSIDE OF THE PROJECT LIMITS. INSTALL MARKER AT TERMINATION POINT, AND REMOVE ALL IRRIGATION SYSTEM VALVE BOXES.
 5. REMOVE ALL CHAIN LINK FENCING AND GATES, METAL POST FENCING, AND NETTING SYSTEM POLES.
 6. REMOVE DRAINAGE SWALE SUBDRAIN CORRUGATED POLYETHYLENE TUBING AND GEOTEXTILE.
 7. REMOVE TREES AND VEGETATION WITHIN THE LIMITS OF DISTURBANCE.
 8. REMOVE TOPSOIL AND STOCKPILE AT THE TEMPORARY SOIL STOCKPILE LOCATION SHOWN ON SHEET C-101 OVERALL ATHLETIC COMPLEX PLAN.
 9. ALL MATERIALS INDICATED TO BE REMOVED SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.
 10. COURT FENCING NOT SHOWN FOR CLARITY. SEE SHEET C-202 COURTS PLAN AND SHEET C-305 DETAILS.

DRAINAGE SCHEDULE					
STRUCTURE NO.	TOP FRAME	LINE	LENGTH	INVERT U/S	INVERT D/S
①	65.10	1 - 2	74	64.09	63.72
②	65.10	2 - 3	137	63.72	63.04
③	65.10	3 - 4	71	63.04	62.69
④	64.44				

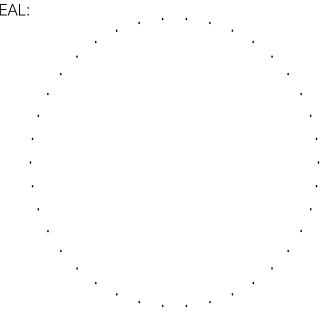
NOTE:
ALL DRAINAGE PIPE IS 6" DIA. SOLID WALL CORRUGATED POLYETHYLENE, AASHTO M-252, TYPE S, WITH BELL AND GASKET SPIGOT JOINTS.

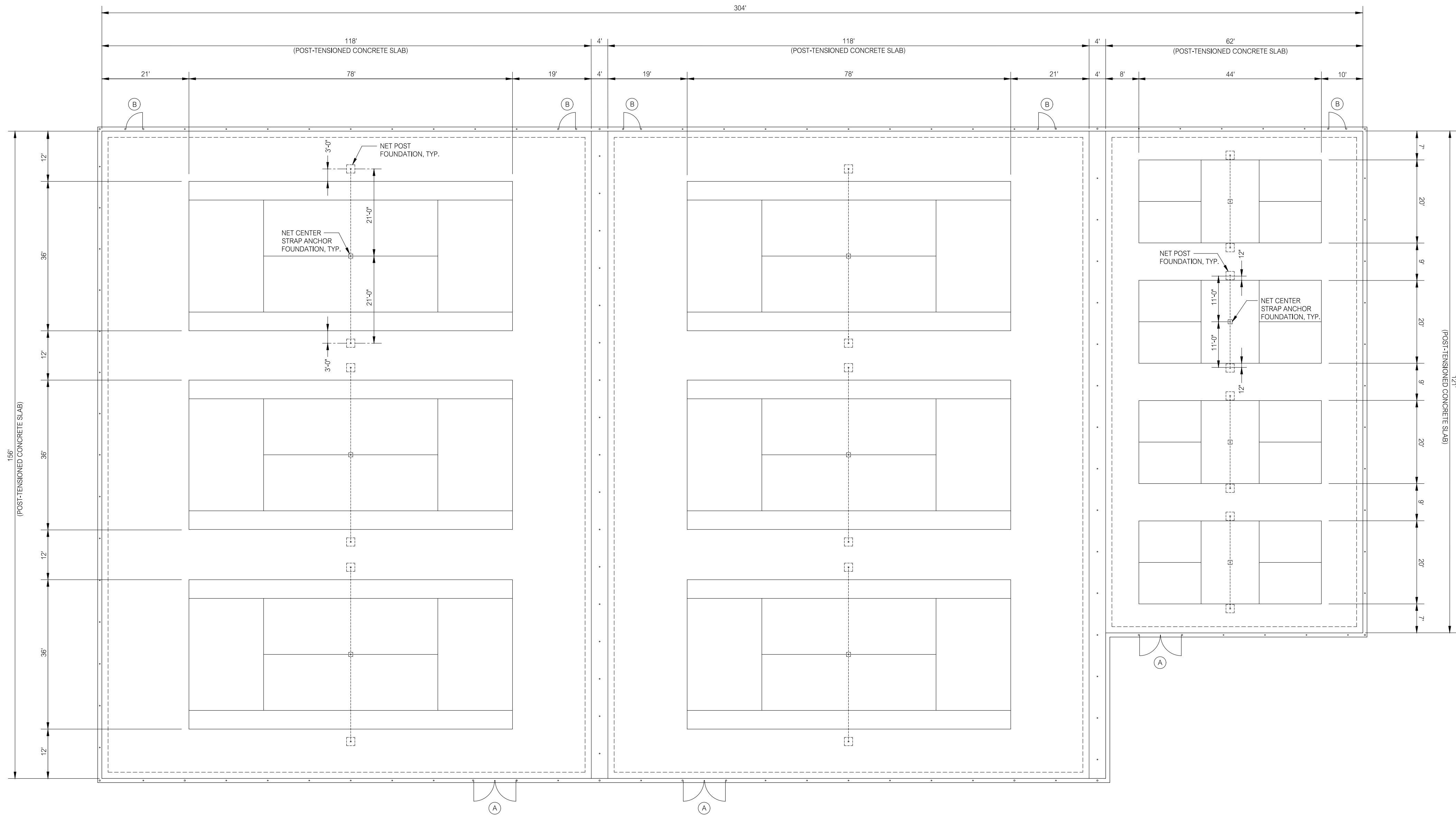
DRAINAGE SCHEDULE					
STRUCTURE NO.	TOP FRAME	LINE	LENGTH	INVERT U/S	INVERT D/S
⑤	65.00	4 - 5	60	61.78	61.48
⑥	64.50	5 - 6	60	61.48	61.18
⑦	64.00	6 - 7	36	61.18	61.00
⑧	63.70	7 - 8	60	61.00	61.00
⑨	63.70	8 - 9	60	61.00	61.00
⑩	63.70	9 - 10	60	61.00	61.00
⑪	63.70	10 - 11	60	61.00	61.00
⑫	63.70	11 - 12	60	61.00	61.00
⑬	63.70				

NOTE:
ALL DRAINAGE PIPE BETWEEN STRUCTURES 1 AND 8 IS 6" DIA. SOLID WALL CORRUGATED POLYETHYLENE, AASHTO M-294, TYPE S, WITH BELL AND GASKET SPIGOT JOINTS.
ALL DRAINAGE PIPE BETWEEN STRUCTURES 8 AND 13 IS 12" DIA. CLASS II PERFORATION WALL CORRUGATED POLYETHYLENE, AASHTO M-294, TYPE S, WITH BELL AND GASKET SPIGOT JOINTS.

REVISIONS:		TITLE:
NO.	DATE	DESCRIPTION
	7-28-25	PRELIMINARY STAFF REVIEW COMMENTS
REVISIONS		


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122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

DRAWING PHASE:	SEAL:	PREPARED BY:	PROJECT:
ISSUED FOR PERMITTING DATE: 6-20-25		Summer Hill Civil Engineers & Land Surveyors, P.C. 60 Wall Street P.O. Box 708 Madison, Connecticut 06443-0708 Telephone: (203) 245-0722	TENNIS AND PICKLEBALL COURTS
		DATE: 6-1-25 SCALE: 1"=20' DESIGNED: MJO CHECKED: LJM	SHEET: GENERAL PLAN PROJECT NO.: 25-02
			SHEET NO.: C-201



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

- NOTES:
1. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF THE COURT POST-TENSIONED CONCRETE SLAB AND THE OUTSIDE EDGE OF PLAY LINES.
 2. SEE SCHEMATIC HALF ELEVATION TENNIS COURT CHAIN LINK FENCE DETAIL SHEET C-304 FOR EAST SIDE 4 FOOT HEIGHT FENCING. ALL OTHER COURT FENCING SHALL BE 10 FOOT HEIGHT FENCING.
 3. GATE TYPE A: 4' HEIGHT 10' OPENING DOUBLE LEAF
GATE TYPE B: 7' HEIGHT 4' OPENING SINGLE LEAF

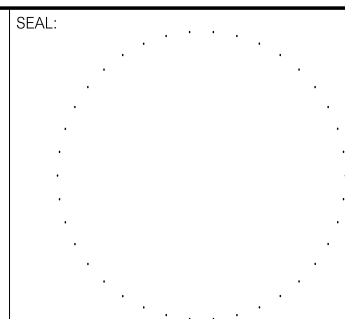
PERMIT DRAWINGS

REVISIONS:		


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122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

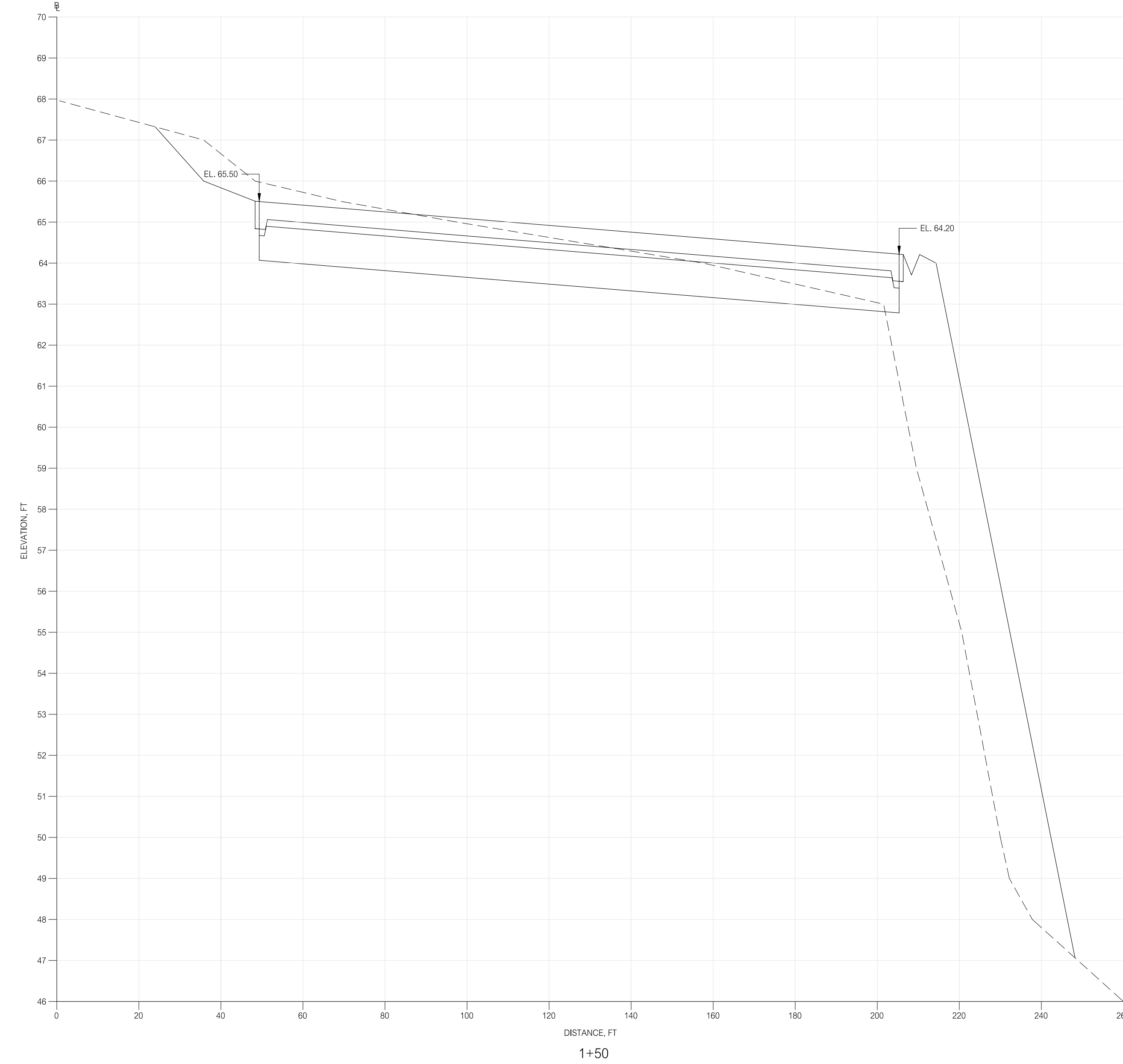
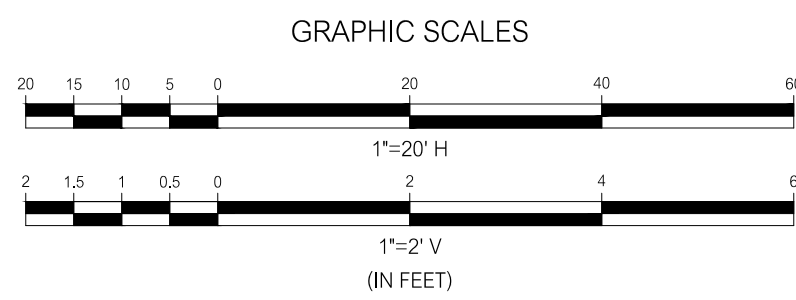
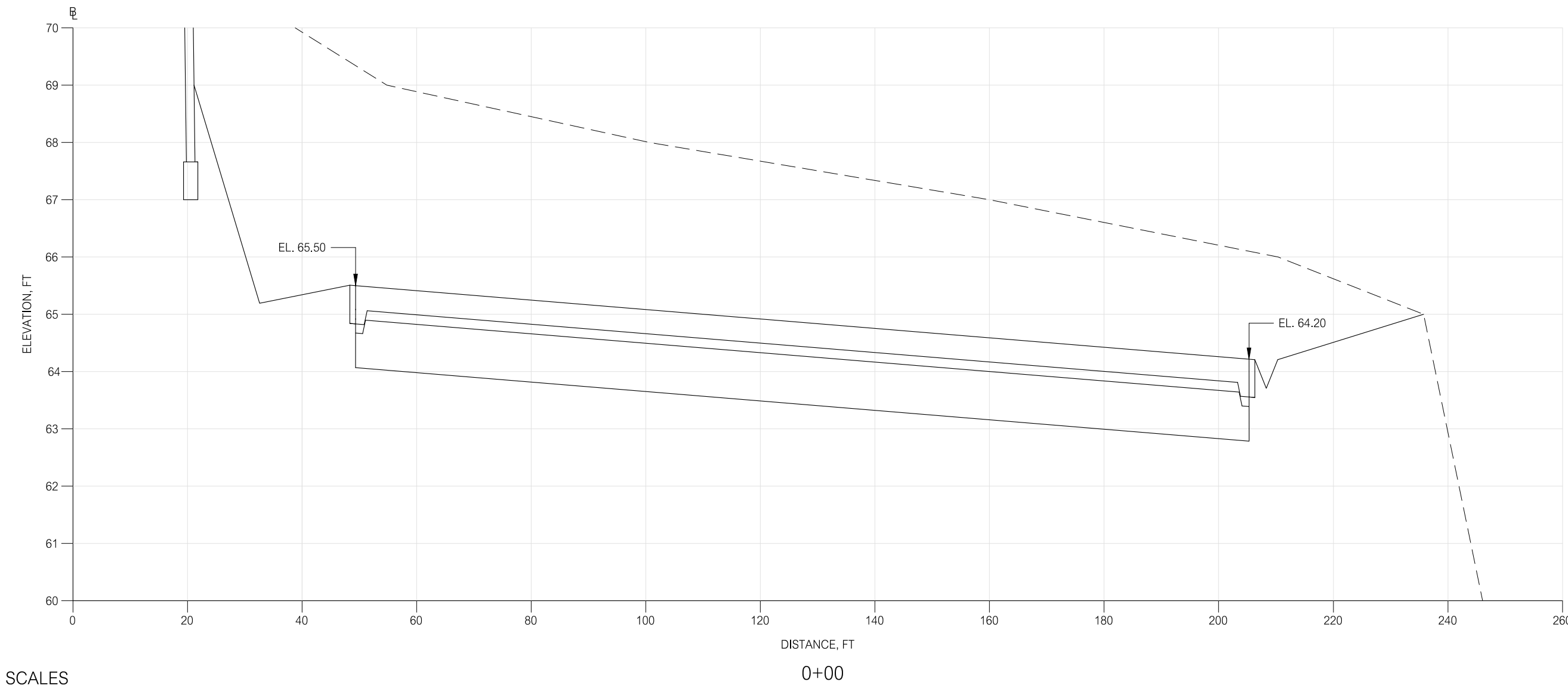
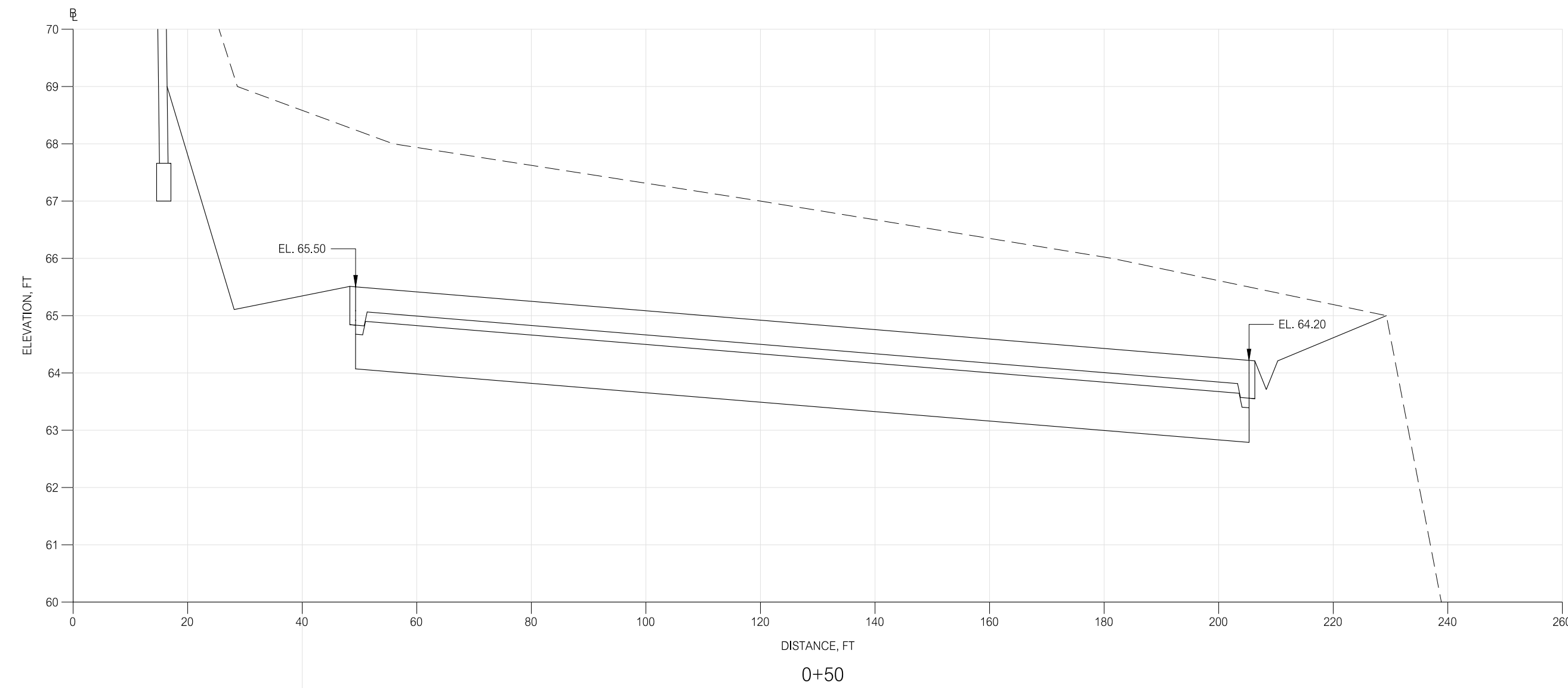
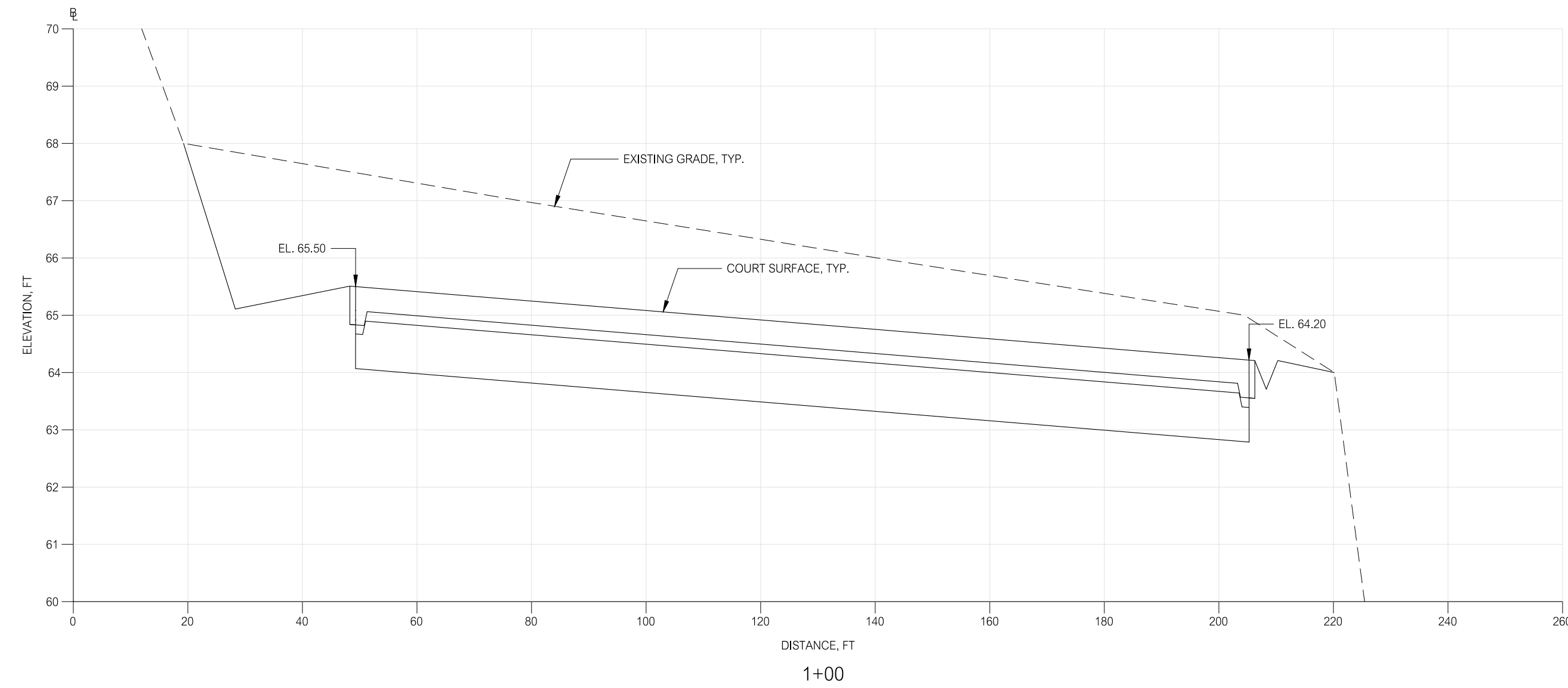
DRAWING PHASE:

ISSUED FOR PERMITTING
DATE: 6-20-25



PREPARED BY:
Summer Hill
Civil Engineers & Land Surveyors, P.C.
60 Wall Street
P.O. Box 7108
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

PROJECT:			
TENNIS AND PICKLEBALL COURTS			
DATE:	6-1-25	SHEET:	SHEET NO:
SCALE:	AS NOTED		
DESIGNED:	MJO		
CHECKED:	LJM		
COURTS PLAN		C-202	
FIELD BOOK:	-	PROJECT NO.:	25-02



PERMIT DRAWINGS

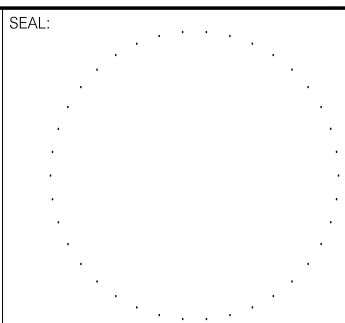
REVISIONS		
NO.	DATE	DESCRIPTION
REVISIONS		

TITLE


The Williams School
ATHLETIC COMPLEX
122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

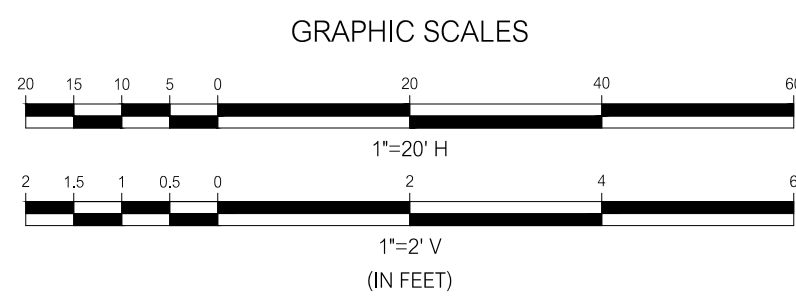
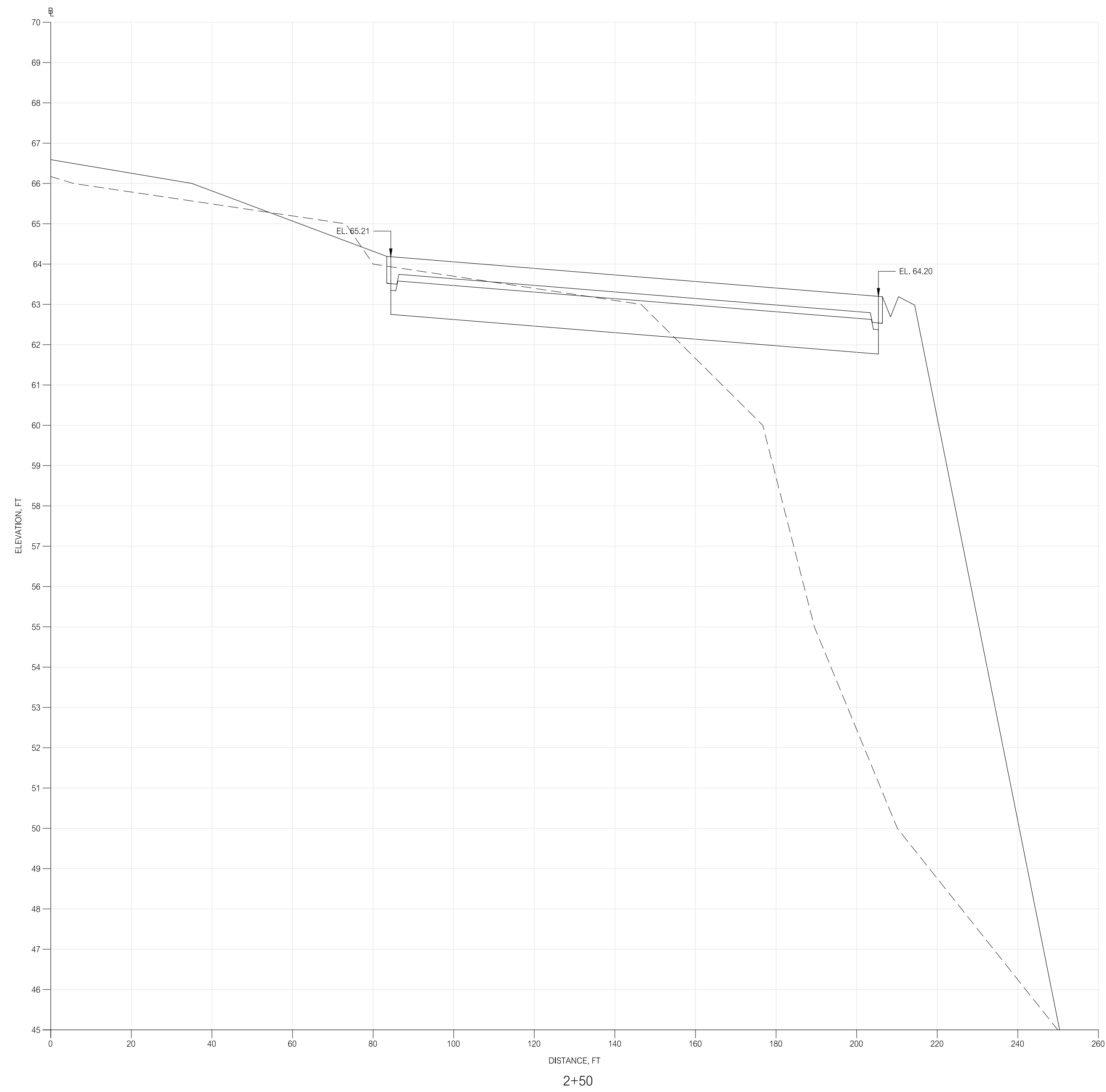
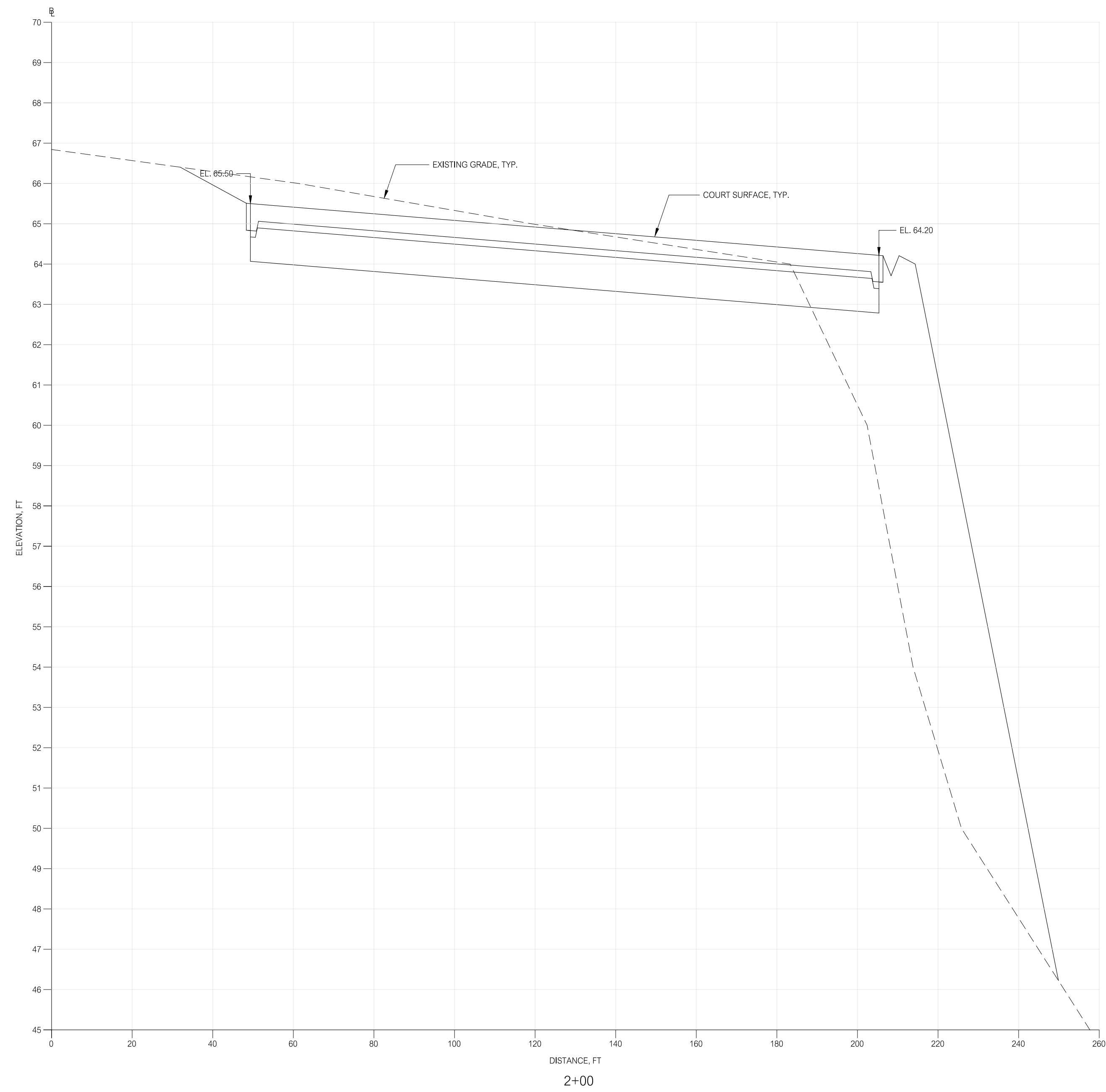
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TENNIS AND PICKLEBALL COURTS			
DATE: 6-1-25	SHEET:		SHEET NO.: <



PERMIT DRAWINGS

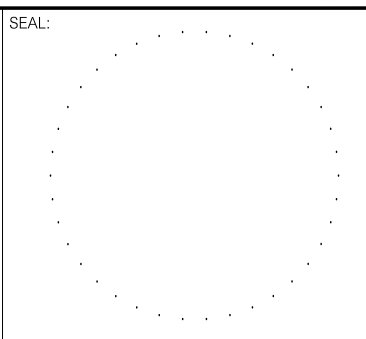
REVISIONS		
NO.	DATE	DESCRIPTION
REVISIONS		

TITLE


The Williams School
ATHLETIC COMPLEX
122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

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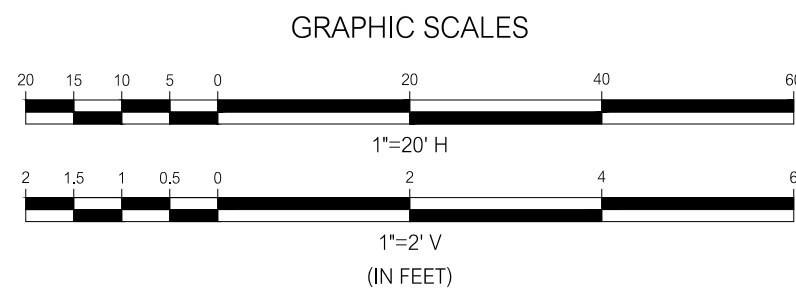
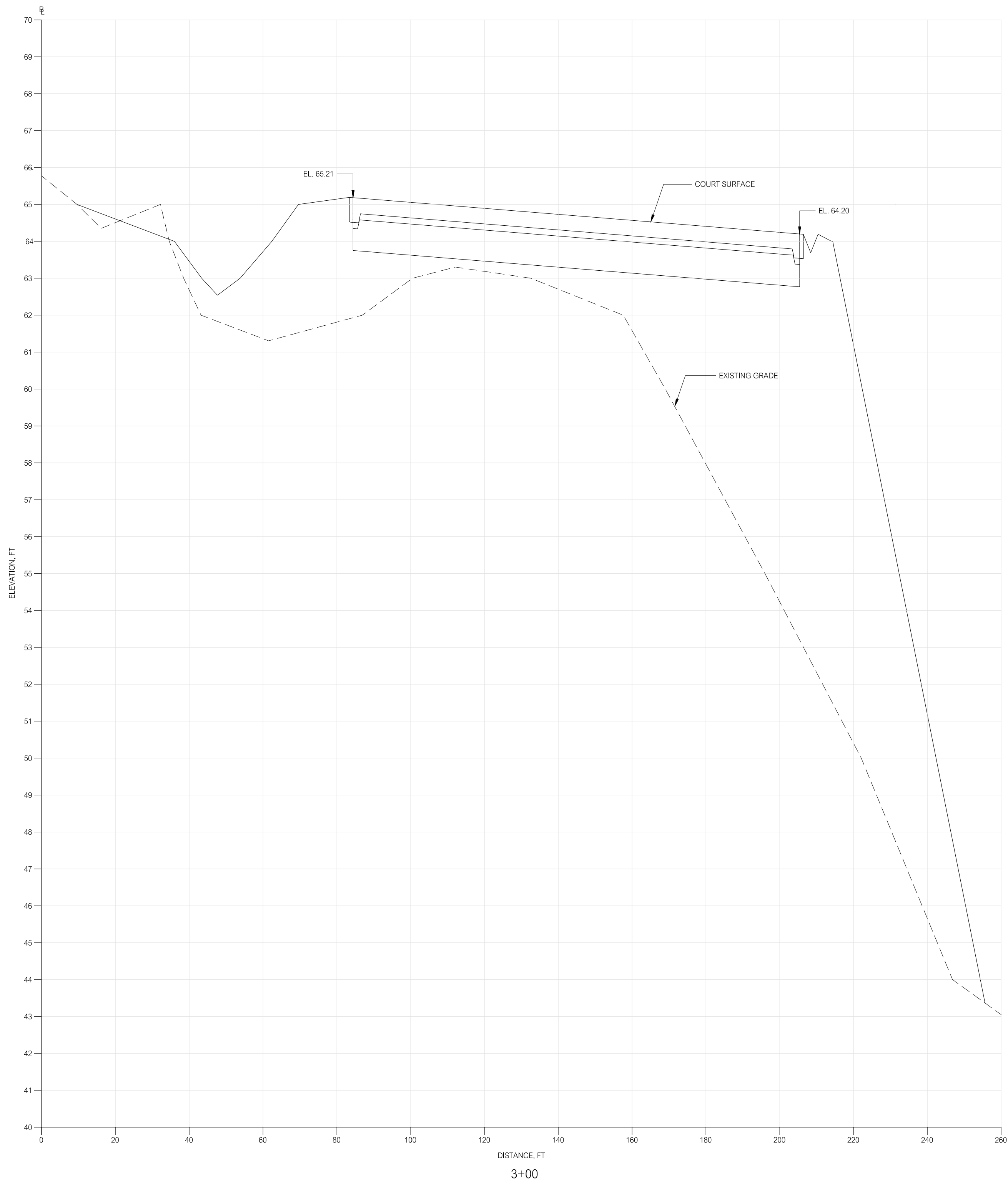
ISSUED FOR PERMITTING
DATE: 6-20-25



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PROJECT:			
TENNIS AND PICKLEBALL COURTS			
DATE:	6-1-25	SHEET:	SHEET NO.:
SCALE:	1"=20' H 1"=2' V	CROSS SECTIONS	C-302
DESIGNED:	MJO		
CHECKED:	LJM		
FIELD BOOK:		PROJECT NO.:	25-02



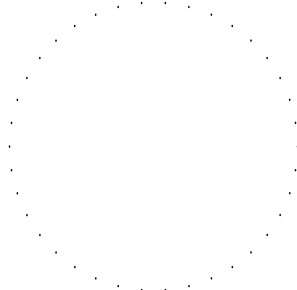
PERMIT DRAWINGS

REVISIONS		
NO.	DATE	DESCRIPTION
REVISIONS		



The Williams School
ATHLETIC COMPLEX
122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

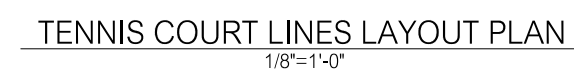
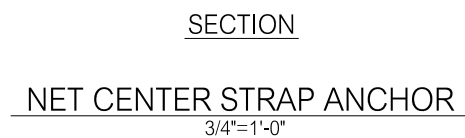
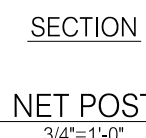
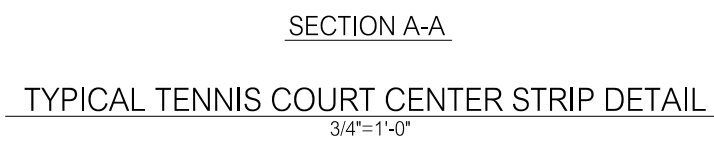
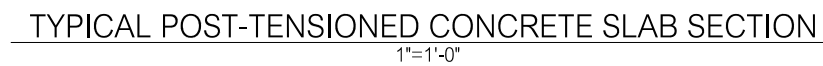
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ISSUED FOR PERMITTING
DATE: 6-20-25

SEAL:


PREPARED BY:
Summer Hill
Civil Engineers & Land Surveyors, P.C.
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P.O. Box 7108
Madison, Connecticut 06443-0708
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PROJECT:
TENNIS AND PICKLEBALL COURTS

DATE: 6-1-25		SHEET: CROSS SECTIONS		SHEET NO.: C-303	
SCALE: 1"=20' H 1"=2' V		DESIGNED: MJO		PROJECT NO.: 25-02	
CHECKED: LJM		FIELD BOOK: -			

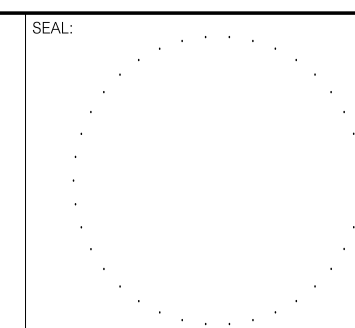


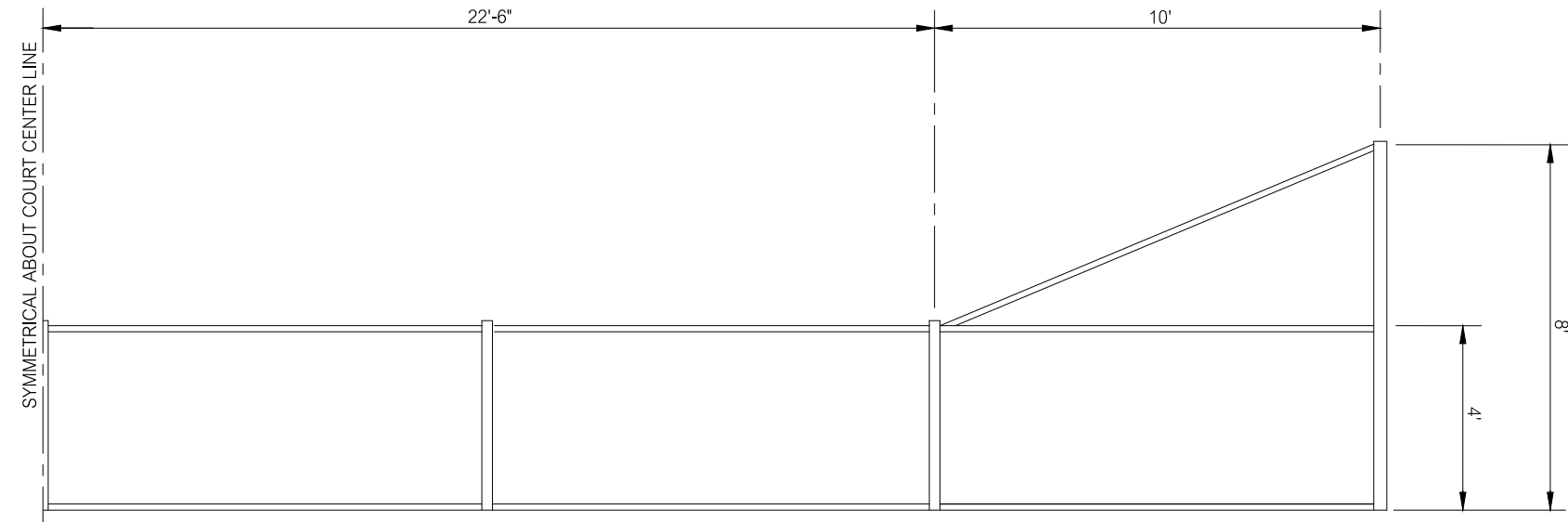
- NOTES:
1. ALL LINES ARE TWO (2) INCHES WIDE, COLOR WHITE.
 2. ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF LINES WITH THE EXCEPTION OF THE CENTER SERVICE LINE AND CENTER MARK.
 3. ALL DIMENSIONS FROM THE CENTER SERVICE LINE AND THE CENTER MARK ARE FROM THE CENTER OF THE LINE AND MARK TO THE OUTSIDE EDGE OF THE SIDE LINES.
 4. CENTER MARK IS FOUR (4) INCHES LONG.



- NOTES:
1. ALL LINES ARE TWO (2) INCHES WIDE, COLOR WHITE.
 2. ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF LINES WITH THE EXCEPTION OF THE CENTER LINE.
 3. ALL DIMENSIONS FROM THE CENTER LINE ARE FROM THE CENTER OF THE LINE TO THE OUTSIDE EDGE OF THE SIDE LINES.

PERMIT DRAWINGS





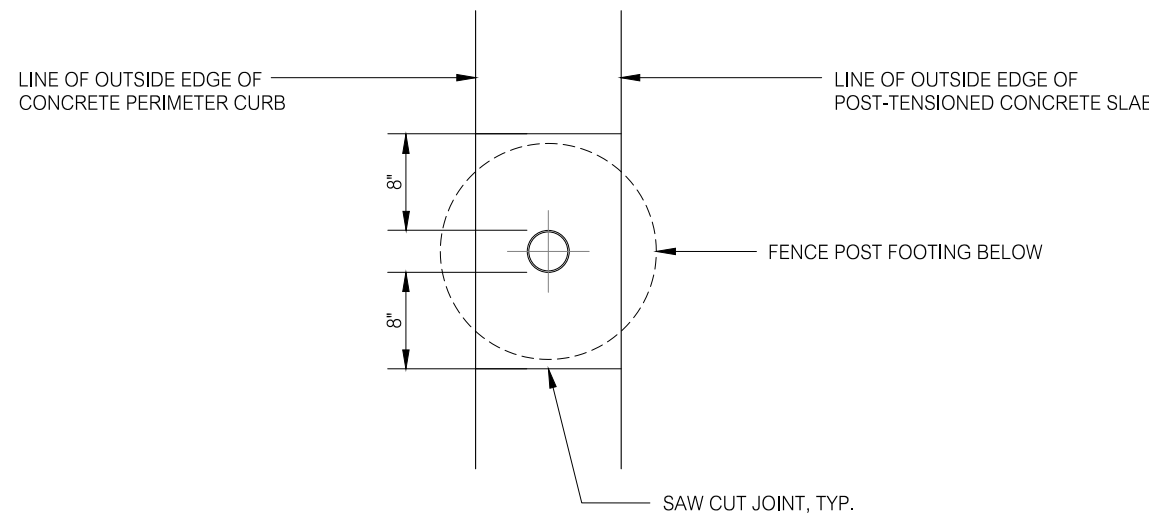
SCHEMATIC HALF ELEVATION
PICKLEBALL COURT CHAIN LINK FENCE
NOT TO SCALE

- NOTES:
1. DETAIL APPLIES TO THE EAST ELEVATION OF PICKLEBALL COURT ONLY. ALL OTHER CHAIN LINK FENCING SHALL BE FULL 8 FEET HEIGHT.
 2. CHAIN LINK FABRIC, POSTS, RAILS, FITTINGS, AND FASTENERS SHALL BE POLYVINYL CHLORIDE (PVC) COATED, COLOR-BLACK.

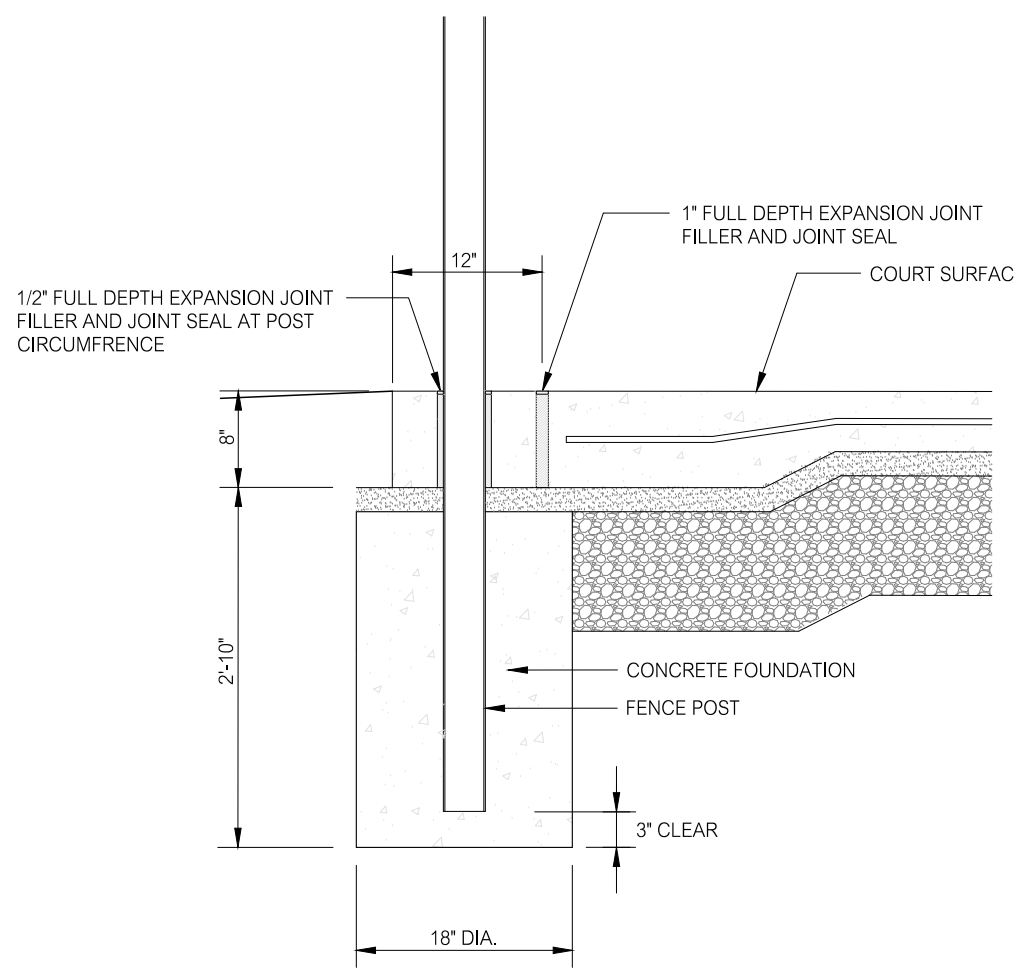


SCHEMATIC HALF ELEVATION
TENNIS COURT CHAIN LINK FENCE
NOT TO SCALE

- NOTES:
1. DETAIL APPLIES TO THE EAST ELEVATION OF EACH TENNIS COURT BATTERY ONLY. ALL OTHER CHAIN LINK FENCING SHALL BE FULL 10 FEET HEIGHT.
 2. CHAIN LINK FABRIC, POSTS, RAILS, FITTINGS, AND FASTENERS SHALL BE POLYVINYL CHLORIDE (PVC) COATED, COLOR-BLACK.

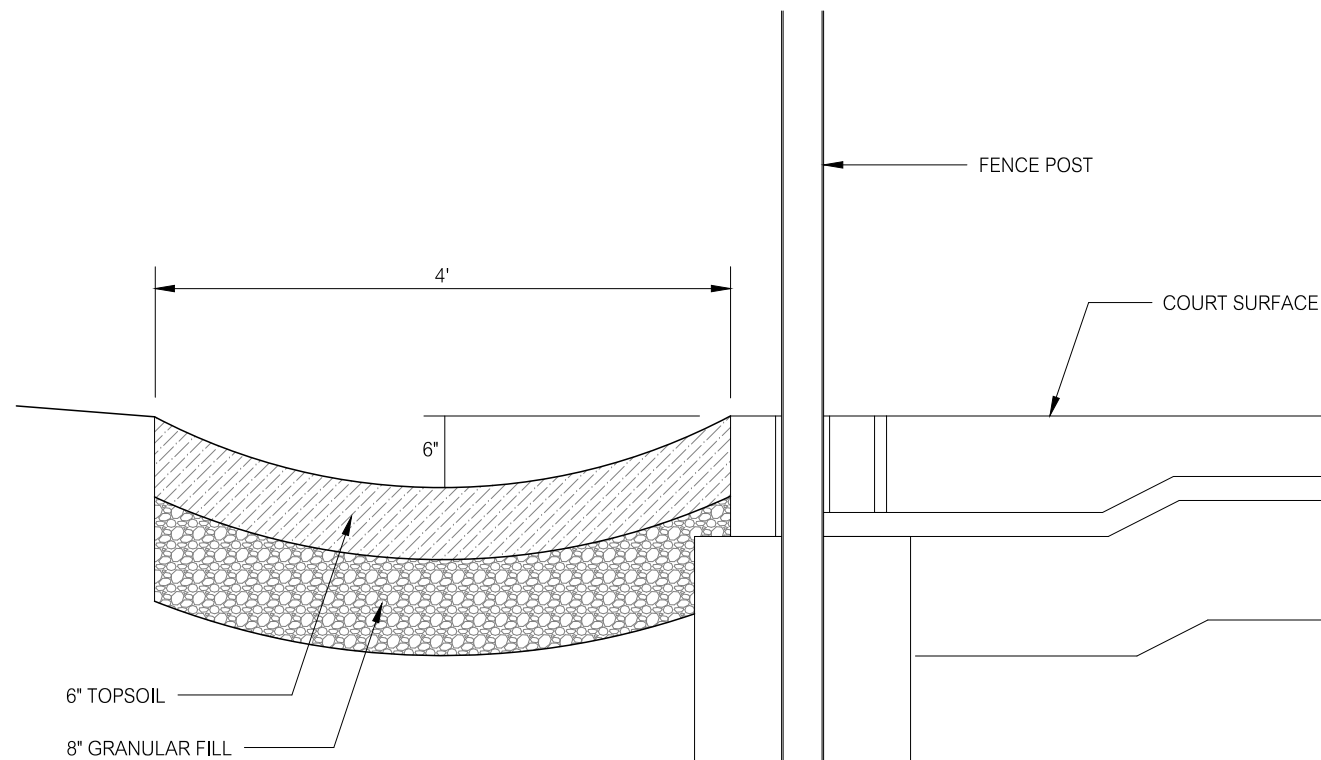


PLAN



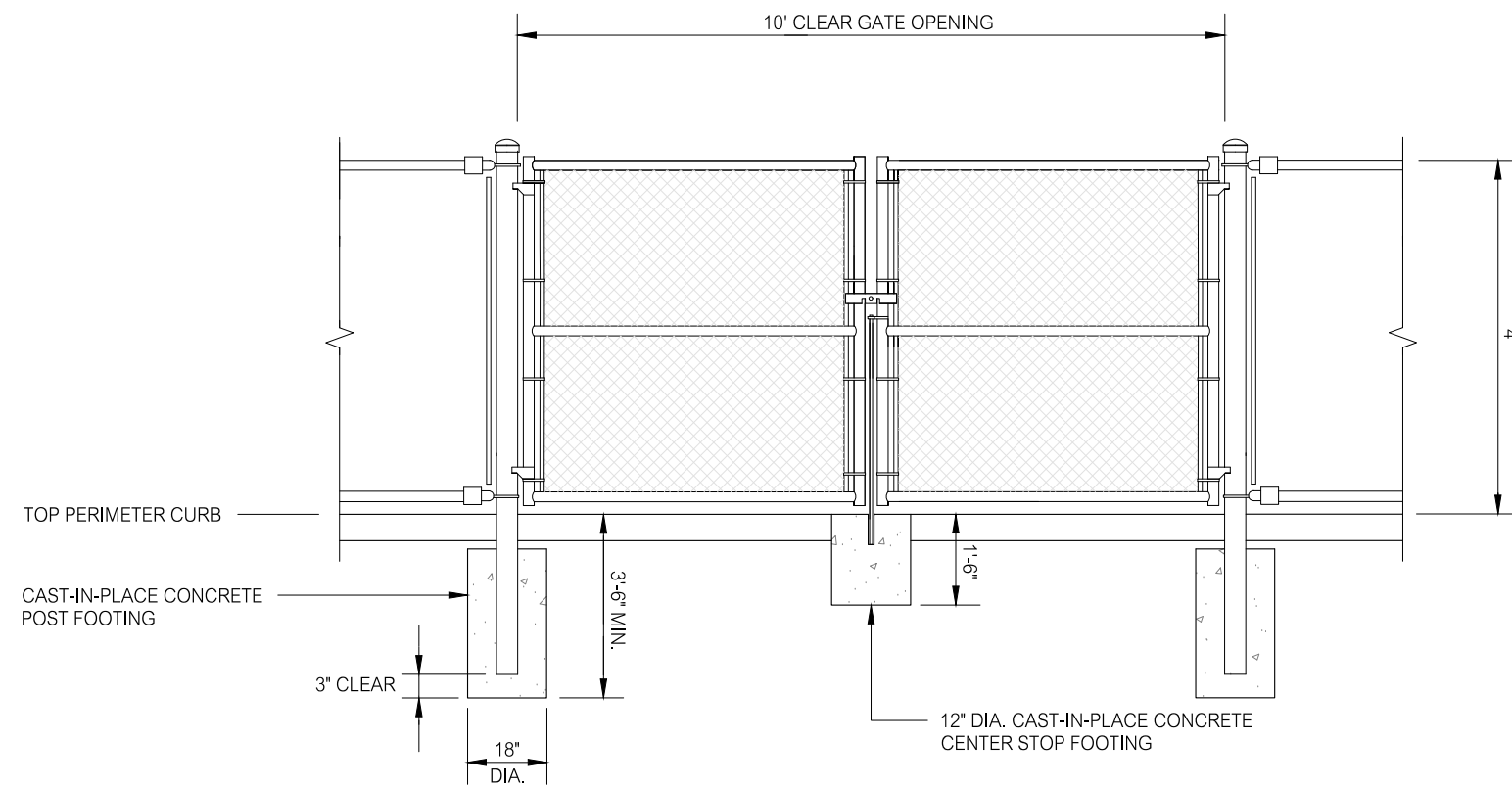
SECTION

INDEPENDENT CURB AND FENCE POST
TYPICAL FENCE POST AT COURT PERIMETER
3/4"-1'-0"



SECTION

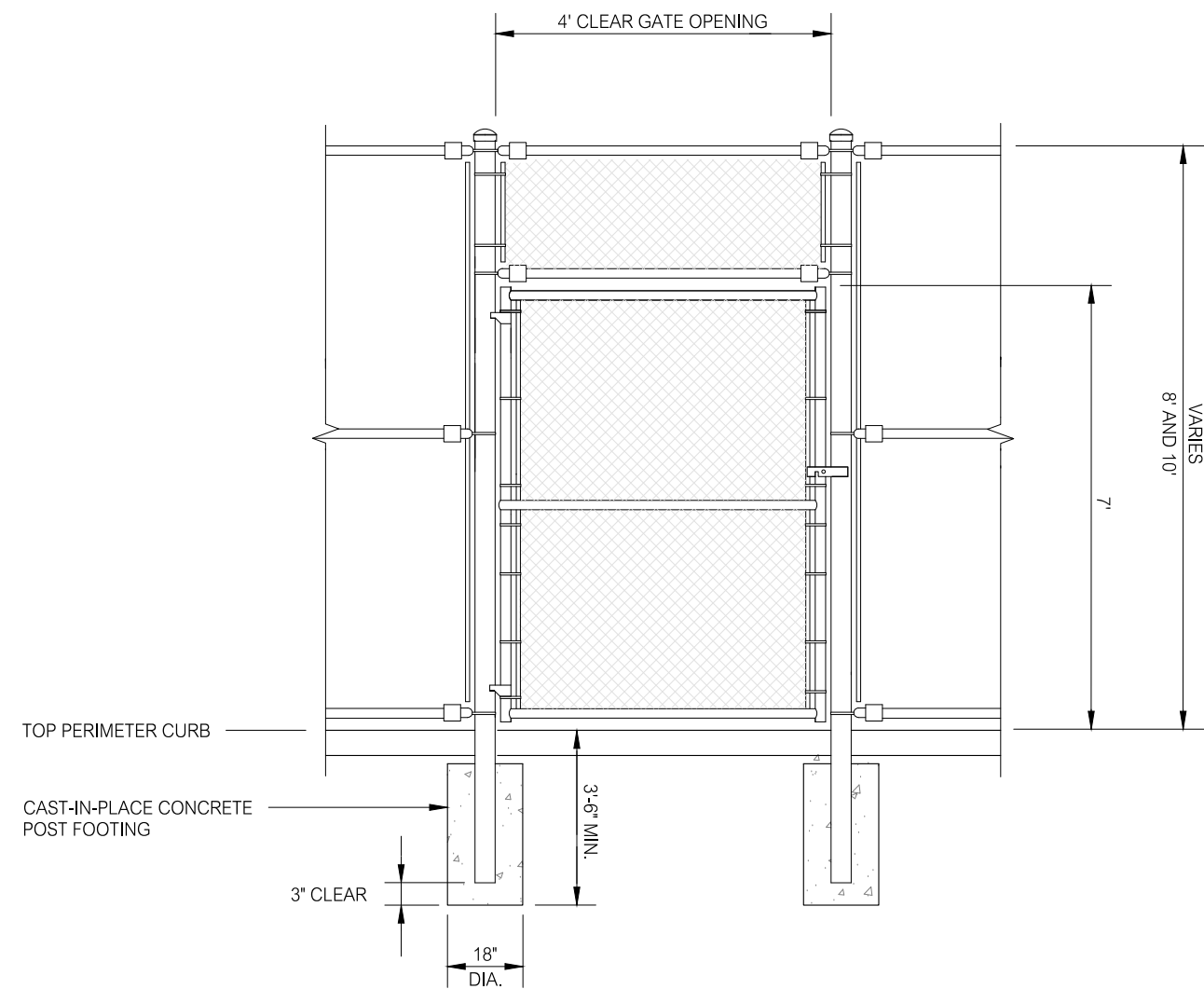
SWALE AT COURT EDGE
3/4"-1'-0"



ELEVATION

TYPE A
DOUBLE LEAF CHAIN LINK FENCE SWING GATE
NOT TO SCALE

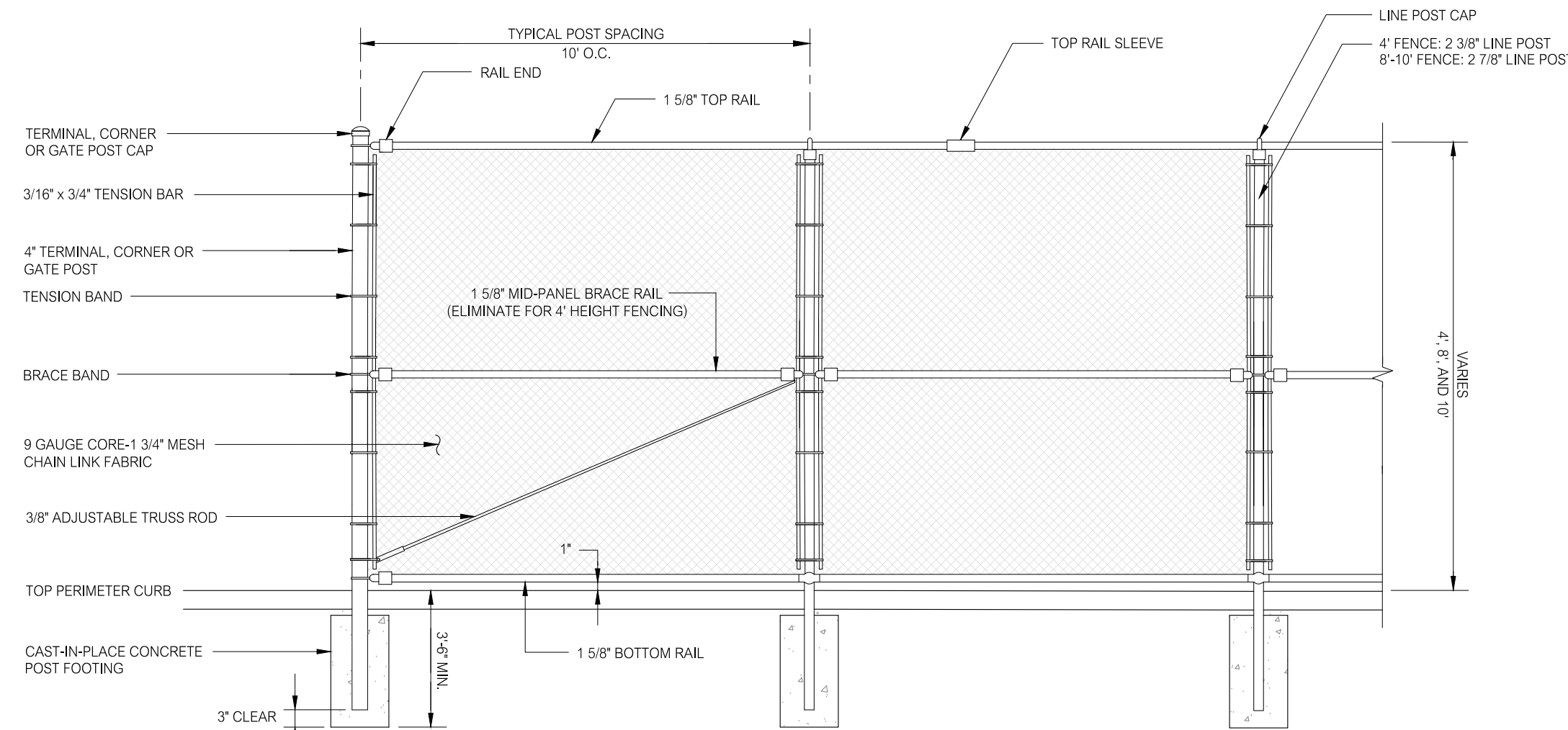
- NOTES:
1. CHAIN LINK FABRIC, POSTS, RAILS, FITTINGS, AND FASTENERS SHALL BE POLYVINYL CHLORIDE (PVC) COATED, COLOR-BLACK.
 2. PROVIDE GATE LATCH AND ARRANGE FOR PADLOCK AT ALL GATE LOCATIONS.



ELEVATION

TYPE B
SINGLE LEAF CHAIN LINK FENCE SWING GATE
NOT TO SCALE

- NOTES:
1. CHAIN LINK FABRIC, POSTS, RAILS, FITTINGS, AND FASTENERS SHALL BE POLYVINYL CHLORIDE (PVC) COATED, COLOR-BLACK.
 2. PROVIDE GATE LATCH AND ARRANGE FOR PADLOCK AT ALL GATE LOCATIONS.



PART ELEVATION

CHAIN LINK FENCE
NOT TO SCALE

- NOTES:
1. CHAIN LINK FABRIC, POSTS, RAILS, FITTINGS, AND FASTENERS SHALL BE POLYVINYL CHLORIDE (PVC) COATED, COLOR-BLACK.

PERMIT DRAWINGS

REVISIONS			TITLE
NO.	DATE	DESCRIPTION	
REVISIONS			


The Williams School
ATHLETIC COMPLEX
122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

DRAWING PHASE:

ISSUED FOR PERMITTING
DATE: 6-20-25

SEAL:

PREPARED BY:

Summer Hill
Civil Engineers & Land Surveyors, P.C.
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Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

PROJECT:

TENNIS AND PICKLEBALL COURTS

DATE:

6-1-25

SHEET:

DETAILS

SCALE:

AS NOTED

DRAWN:

MLJO

CHECKED:

LJM

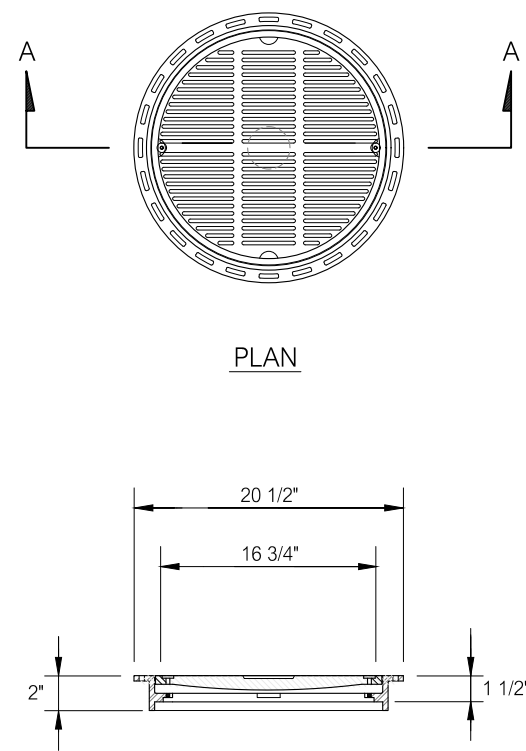
FIELD BOOK:

PROJECT NO.:

25-02

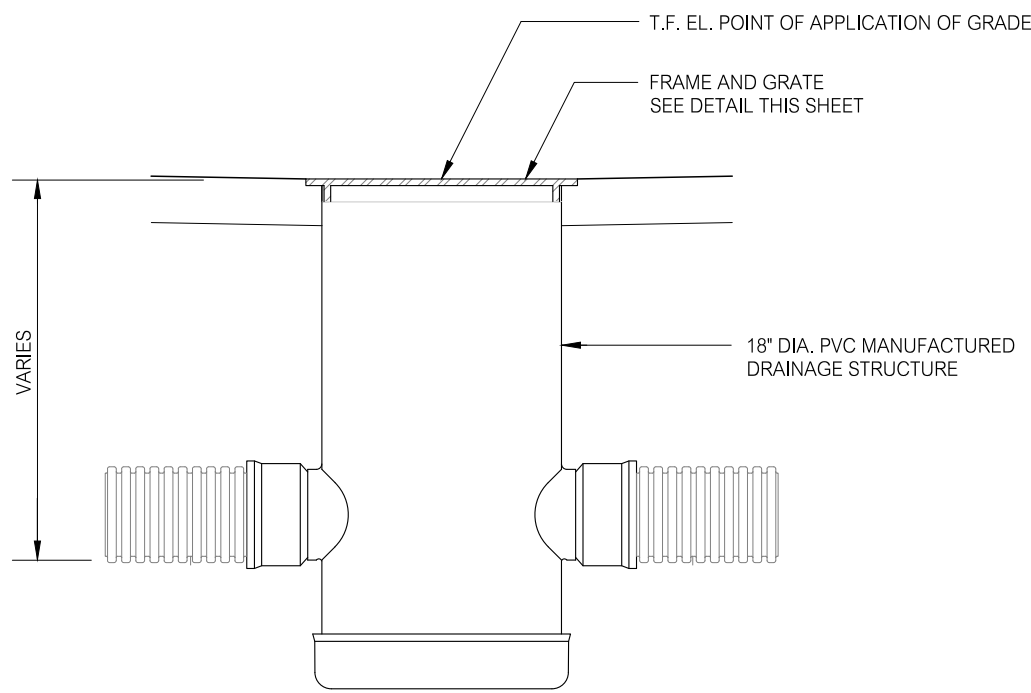
SHEET NO.:

C-305



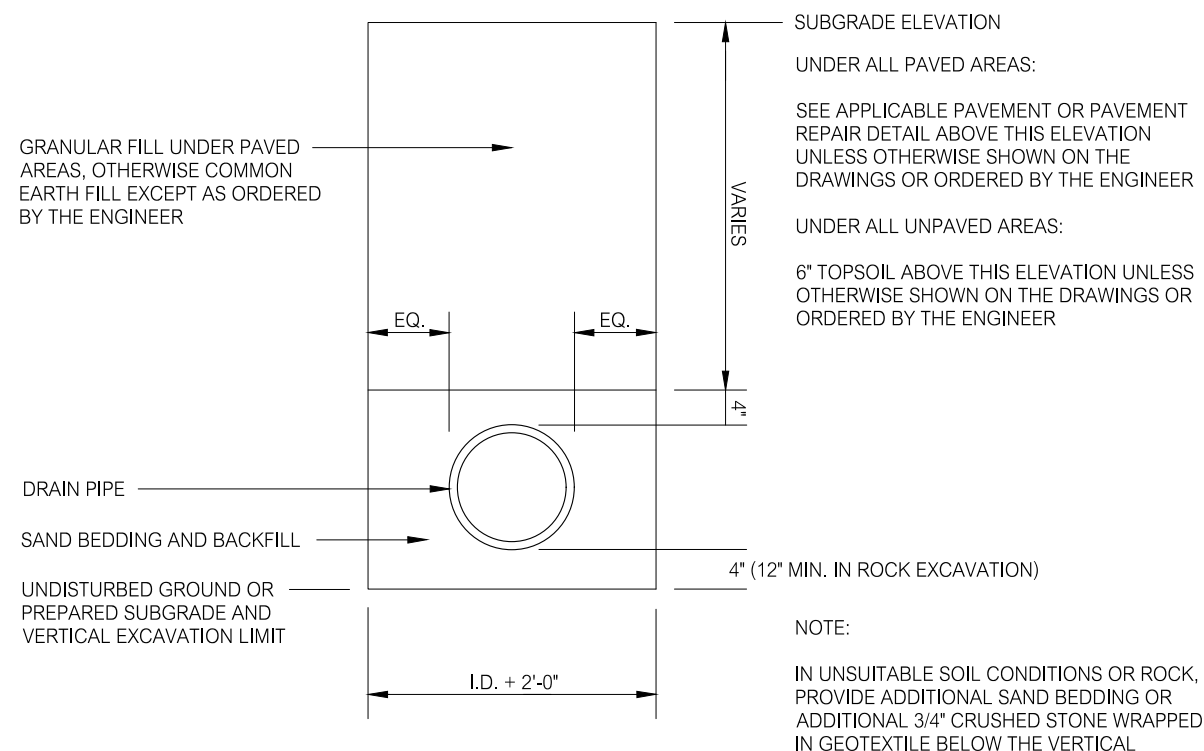
SECTION A-A
FRAME AND GRATE
NOT TO SCALE

NOTE:
18 INCH PEDESTRIAN LOCKING TYPE FRAME AND GRATE
MODEL 1899GPI NYOPLAST - ADVANCED DRAINAGE
SYSTEMS, INC. OR APPROVED EQUAL.



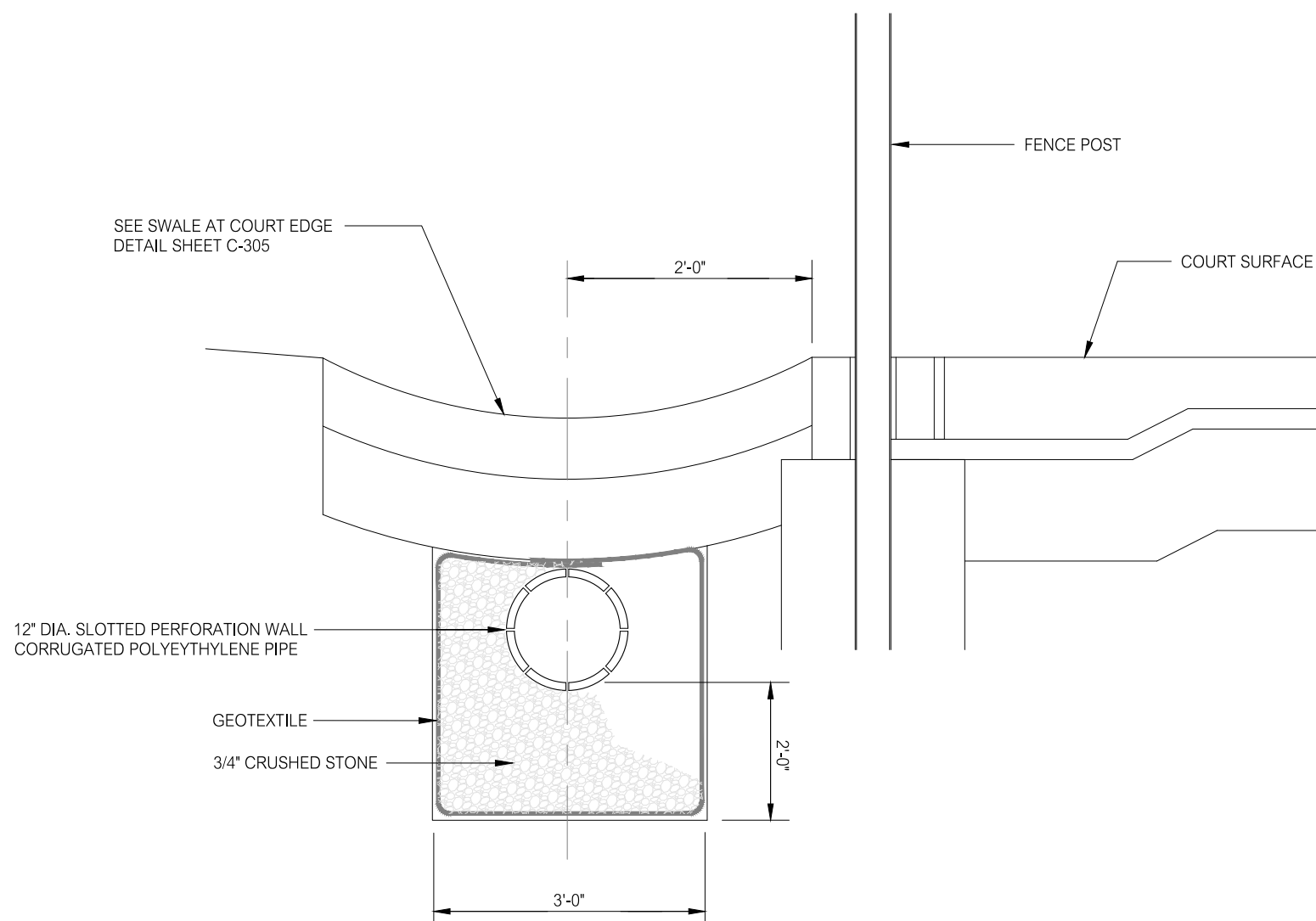
VERTICAL SECTION
DRAINAGE STRUCTURE
NOT TO SCALE

NOTE:
DRAINAGE STRUCTURE AS MANUFACTURED BY
NYOPLAST-ADVANCED DRAINAGE SYSTEMS, INC.
OR APPROVED EQUAL.

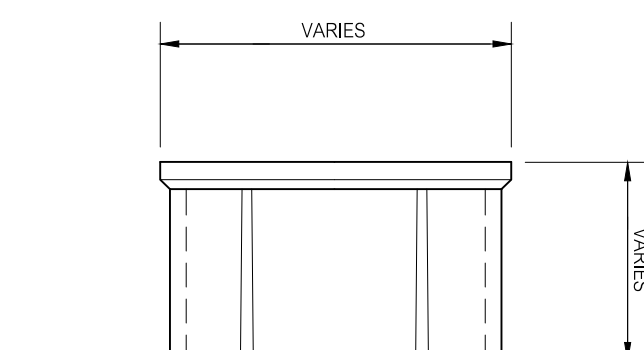


SECTION
DRAINAGE PIPE TRENCH
NOT TO SCALE

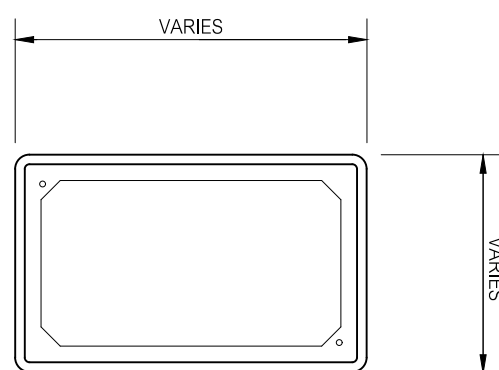
NOTE:
IN UNSUITABLE SOIL CONDITIONS OR ROCK,
PROVIDE ADDITIONAL SAND BEDDING OR
ADDITIONAL 3/4" CRUSHED STONE WRAPPED
IN GEOTEXTILE BELOW THE VERTICAL
EXCAVATION LIMIT.



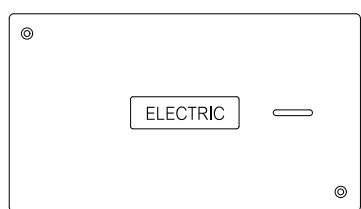
SECTION
INFILTRATION PIPE TRENCH
NOT TO SCALE



SECTION

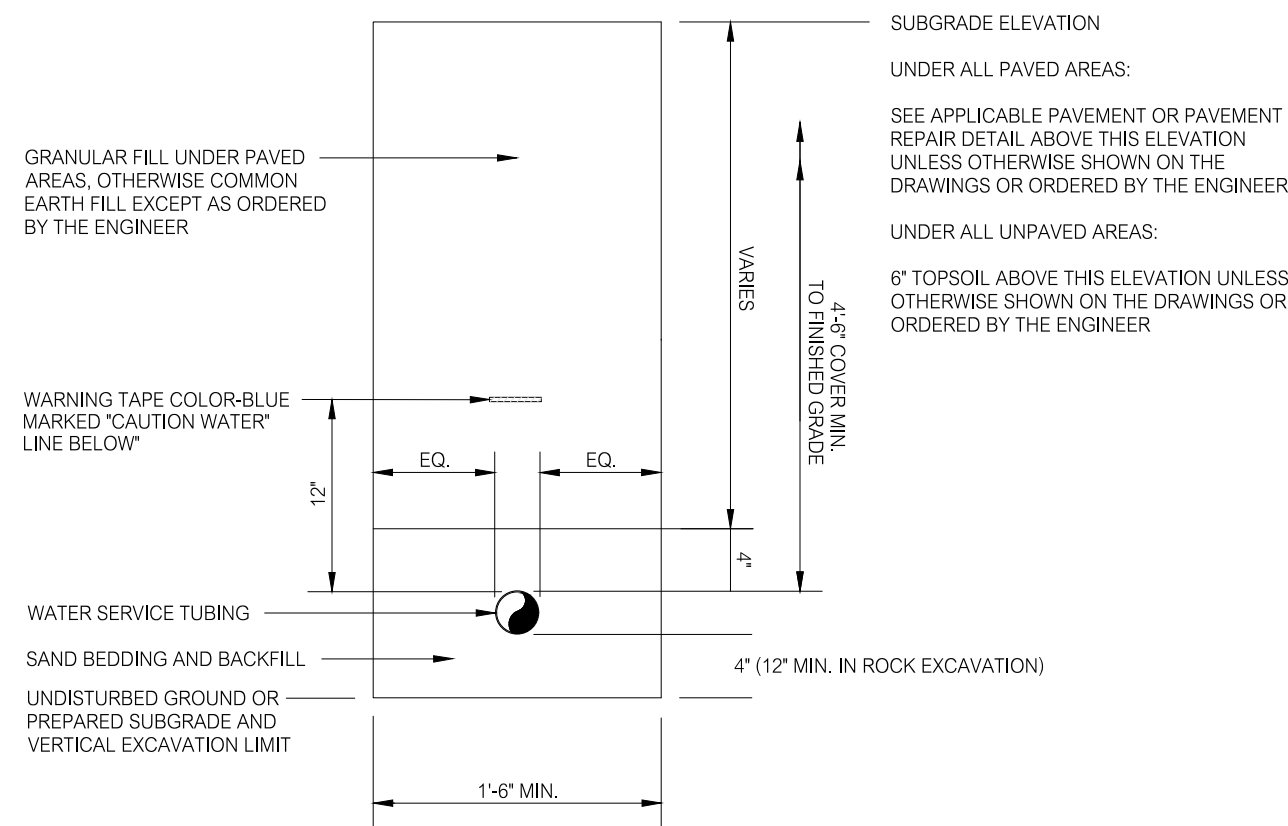


PLAN

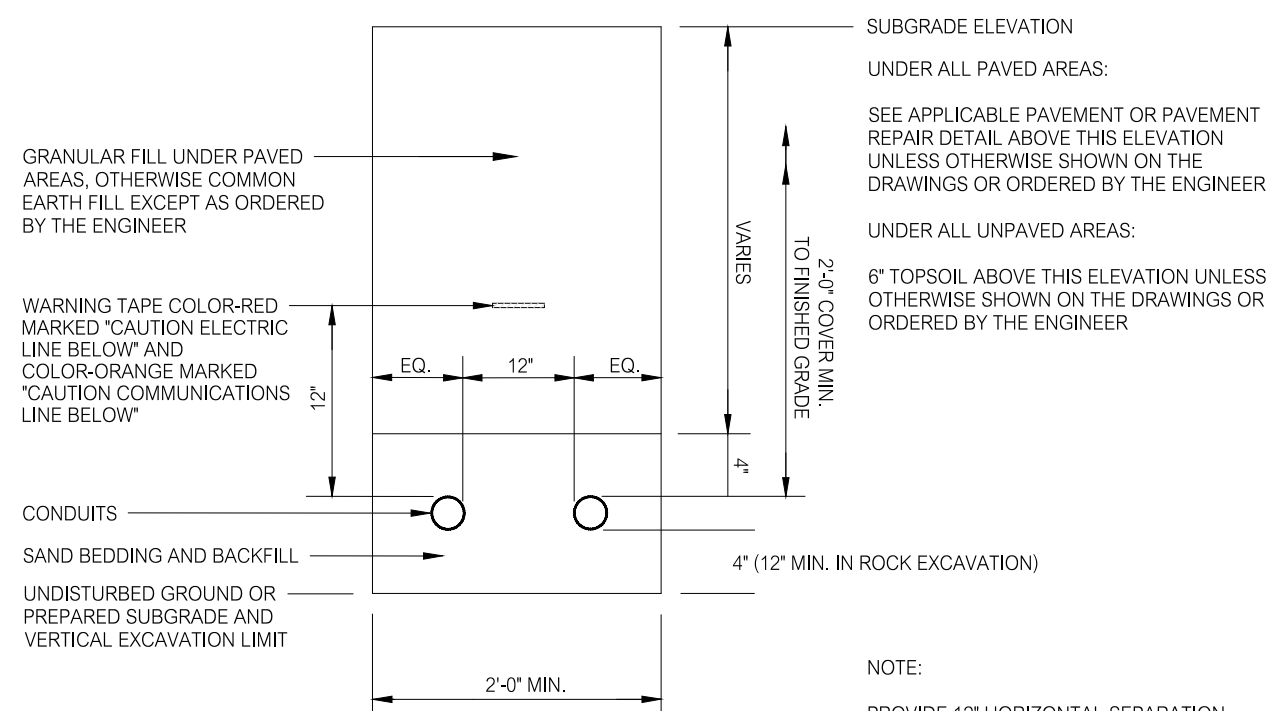


POLYMER CONCRETE COVER
NOTE:
COVER IDENTIFICATION ELECTRICAL
AND/OR TELECOMMUNICATIONS.

POLYMER CONCRETE CONDUIT HANDHOLE
NOT TO SCALE

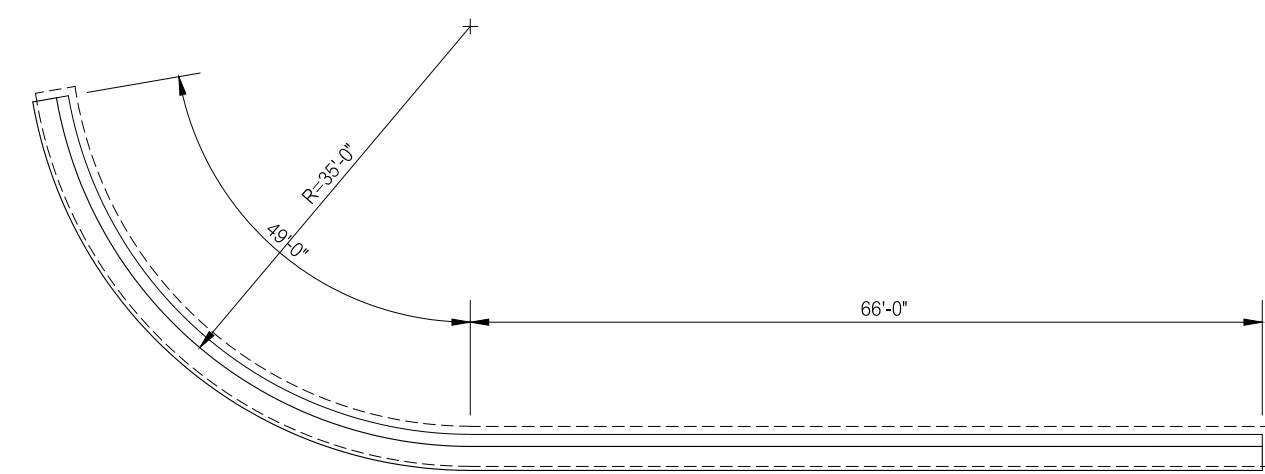


SECTION
WATER SERVICE TRENCH
NOT TO SCALE

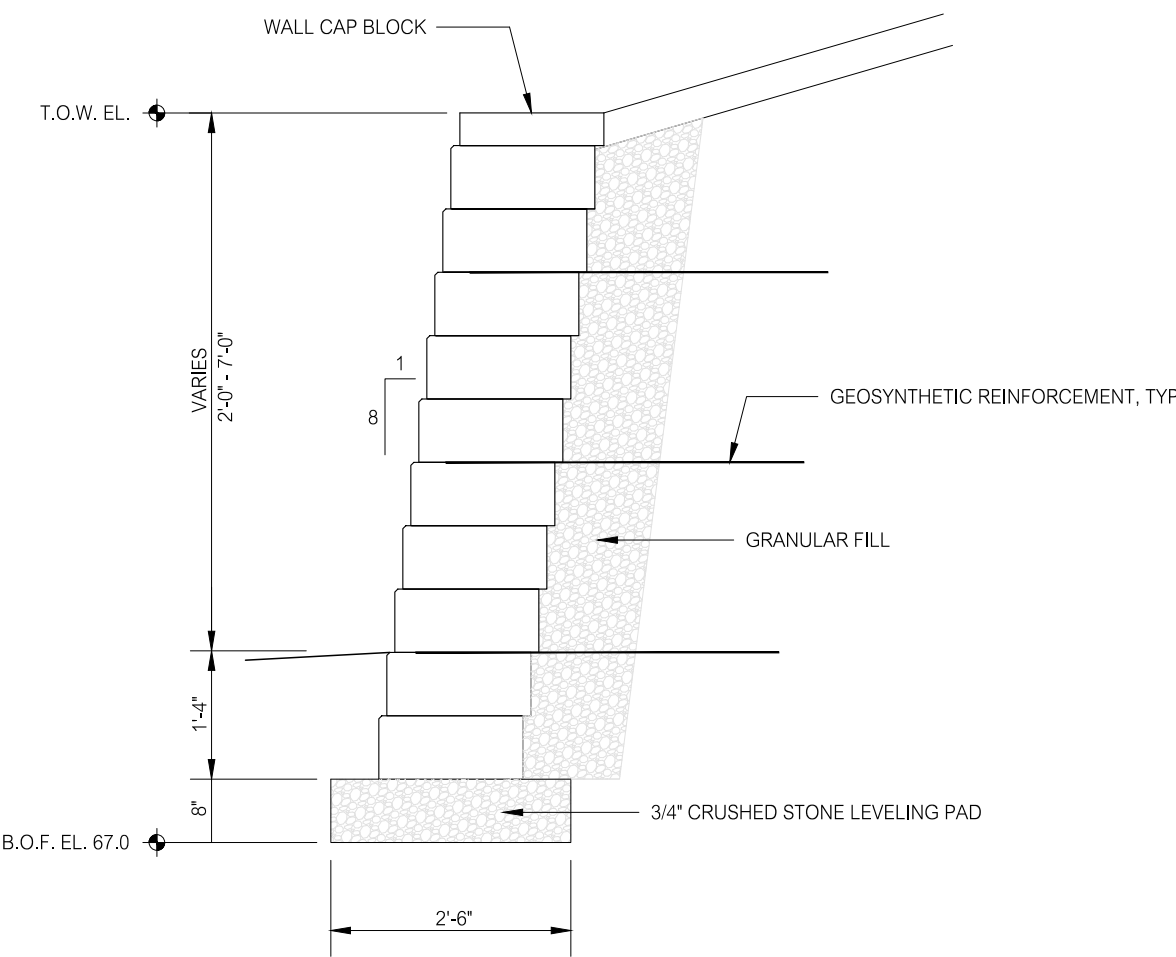


SECTION
COMBINATION ELECTRICAL AND COMMUNICATIONS CONDUIT TRENCH
NOT TO SCALE

NOTE:
PROVIDE 1/2" HORIZONTAL SEPARATION
BETWEEN ELECTRICAL AND COMMUNICATIONS
CONDUITS WHEN LOCATED WITHIN THE SAME
TRENCH.

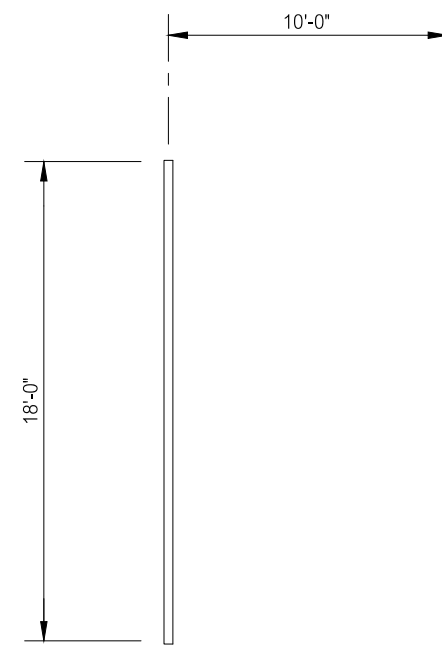


PLAN



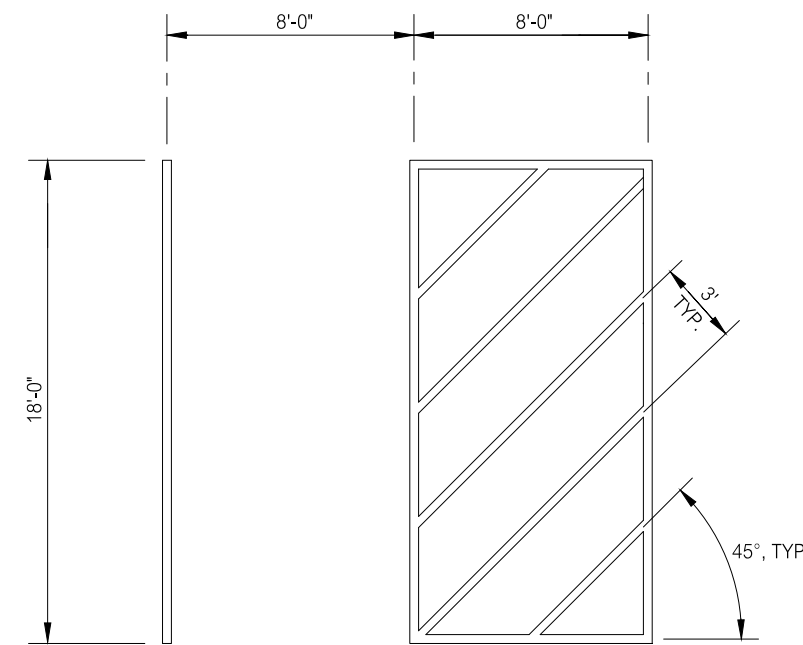
SECTION

SEGMENTAL REINFORCED SOIL RETAINING WALL
NOT TO SCALE



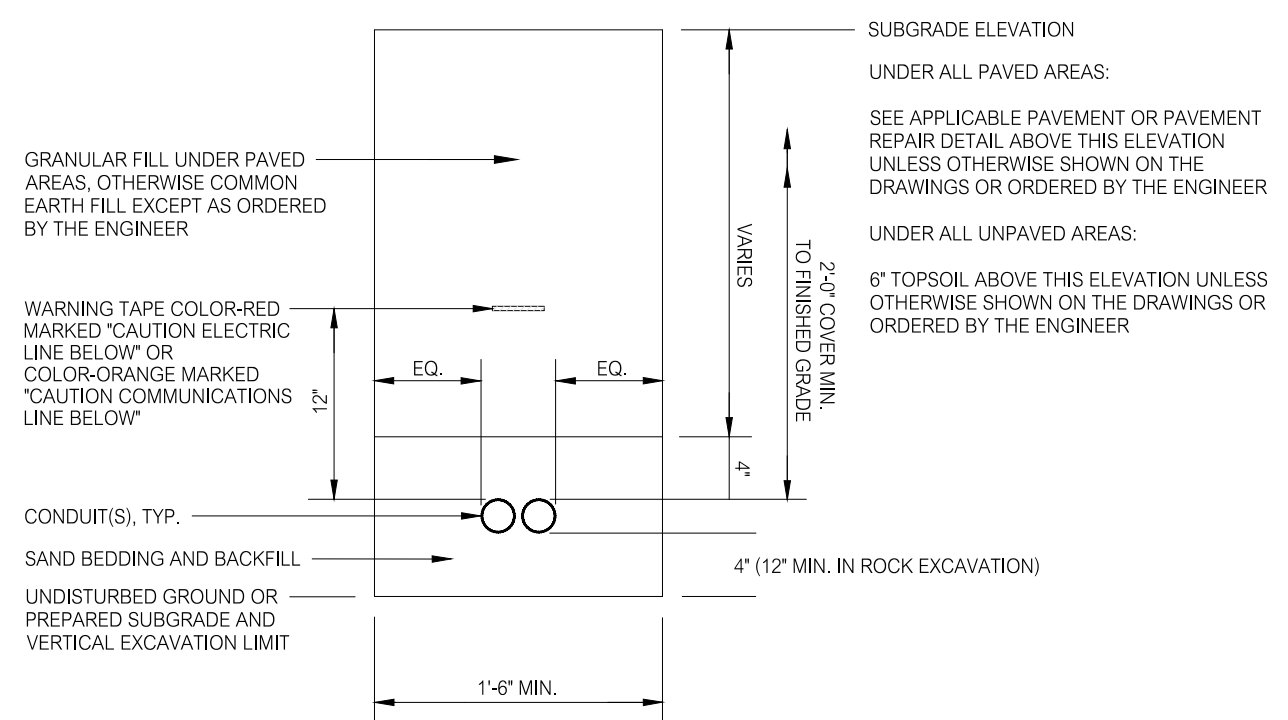
STANDARD PARKING STALL
NOT TO SCALE

NOTE:
ALL LINES SHALL BE 4" WIDE, COLOR-WHITE.



VAN RESERVED PARKING STALL
NOT TO SCALE

NOTES:
1. ALL LINES SHALL BE 4" WIDE, COLOR-WHITE.
2. THE SLOPE OF THE PAVEMENT SURFACE WITHIN THE
LIMITS OF THE RESERVED PARKING SPACE SHALL BE
NO GREATER THAN 1:50 IN ANY DIRECTION.
3. STALL AND HATCHED AISLE WIDTHS SHOWN ARE
MINIMUM WIDTHS.



SECTION

ELECTRICAL OR COMMUNICATIONS CONDUIT TRENCH
NOT TO SCALE

SIGN NO.			CUSTOM		
SIZE			12" x 24" 18" x 9"		
MOUNTING HEIGHT			5'-0"		

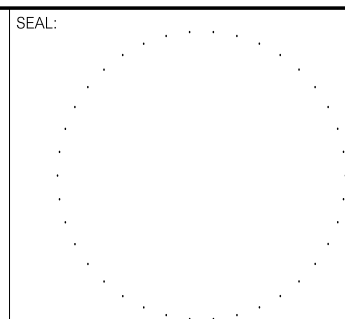
SITE SIGNAGE SCHEDULE

PERMIT DRAWINGS

REVISIONS:		TITLE:	
7-28-25		PRELIMINARY STAFF REVIEW COMMENTS	
NO.		DESCRIPTION	
REVISIONS			

The Williams School
ATHLETIC COMPLEX
122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

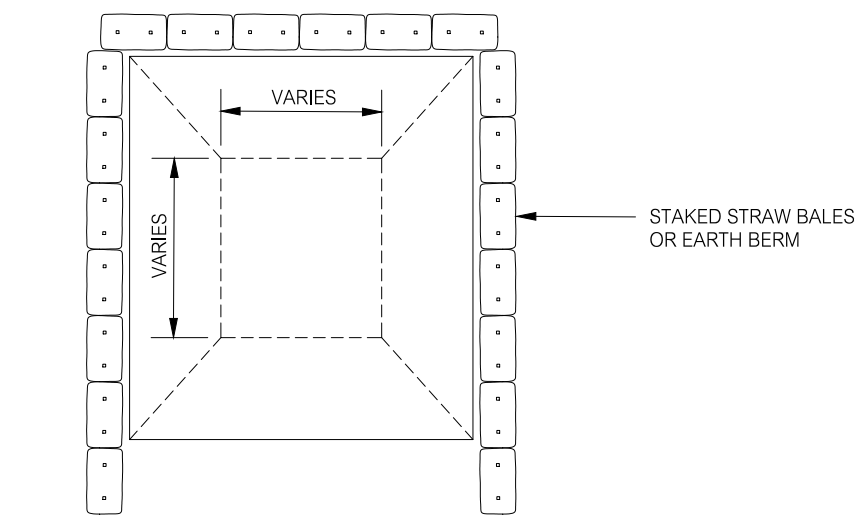
DRAWING PHASE:
ISSUED FOR PERMITTING
DATE: 6-20-25



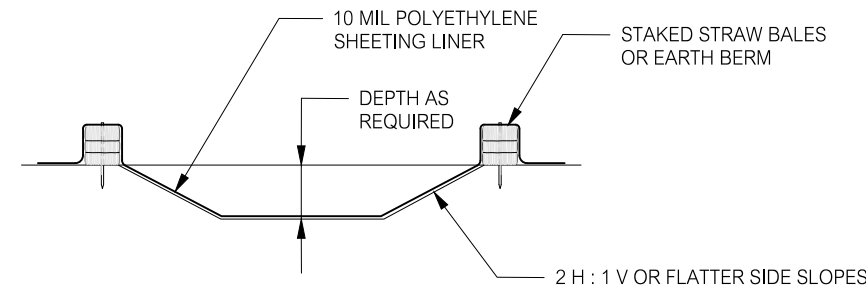
PREPARED BY:
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Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

PROJECT: TENNIS AND PICKLEBALL COURTS		SHEET: DETAILS	
DATE: 6-1-25		SCALE: AS NOTED	
DESIGNED: MLJO		CHECKED: LJM	
FIELD BOOK:		PROJECT NO.: 25-02	

C-306



PLAN

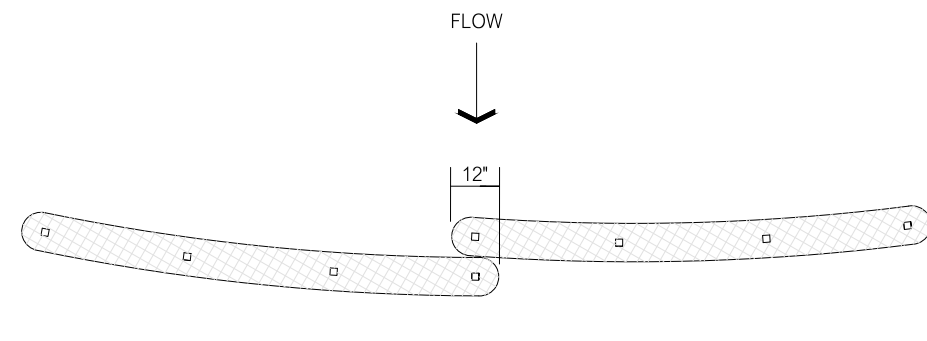


SECTION

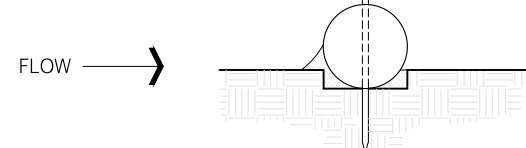
CONCRETE WASHOUT AREA
NOT TO SCALE

NOTES:

1. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT OR THE USE OF GROUT AND MORTAR ON SITE.
2. CONCRETE WASHOUT AREA SHALL BE PLACED IN A LOCATION THAT MINIMIZES INTERFERENCE WITH CONSTRUCTION ACTIVITIES. IS A MINIMUM OF FIFTY (50) FEET FROM WETLANDS, WATERCOURSES AND SURFACE WATER BODIES, AND PROVIDES FOR EASE OF ACCESS BY EQUIPMENT FOR CLEANOUT AND DISPOSAL OF CONCRETE WASTE.
3. THE CONCRETE WASHOUT AREA MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL CONCRETE AND GROUT AND MORTAR WASTE.
4. CONCRETE WASHOUT AREA SHALL BE INSPECTED AT LEAST ONE A WEEK INCLUDING AFTER RAINFALL EVENTS.
5. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS WHEN THE DEPTH OF WASTE HAS REACHED ONE-HALF OF THE CONCRETE WASHOUT AREA DEPTH.



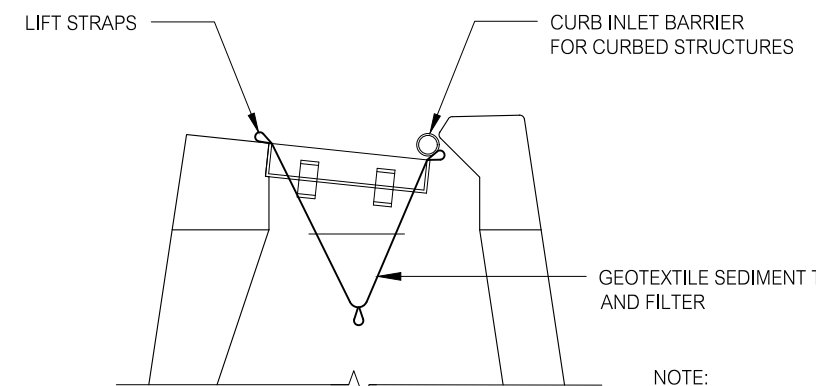
PLAN



SECTION

SW STRAW WATTLE BARRIER
NOT TO SCALE

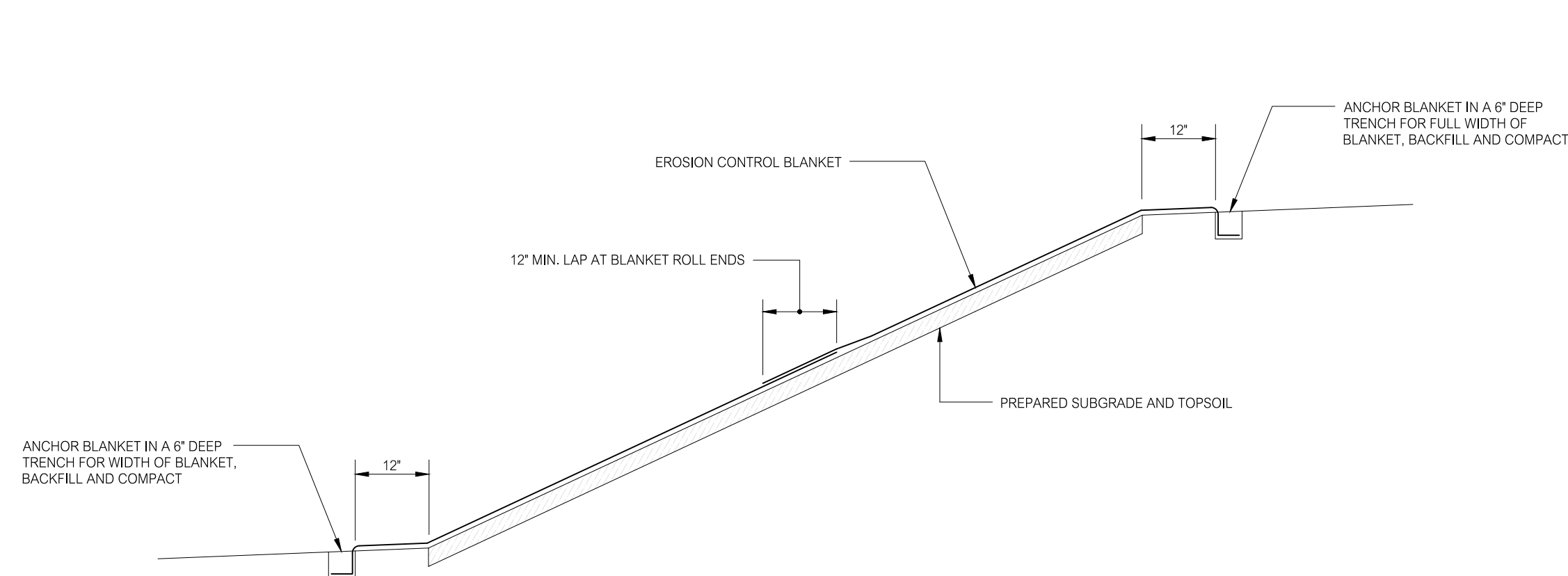
1. EXCAVATE 4" DEEP TRENCH ALONG THE GROUND SURFACE CONTOUR AS WIDE AS WATTLE DIAMETER FOR LENGTH OF WATTLE.
 2. PLACE AND STAKE WATTLE AT 4 FOOT INTERVALS OR IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
 3. OVERLAP ADJACENT WATTLE SECTIONS 12" MINIMUM.
 4. BACKFILL AND COMPACT THE EXCAVATED SOIL ON UPHILL SIDE OF BARRIER.
1. INSPECT BARRIER AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 1/2 INCH OR GREATER.
2. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE BARRIER.



SECTION

SC SEDIMENTATION CONTROL AT DRAINAGE STRUCTURE
NOT TO SCALE

1. PLACE GEOTEXTILE SEDIMENT TRAP AND FILTER UNDER GRATE AND SET IN FRAME.
 2. PLACE CURB INLET BARRIER AGAINST CURB INLET OPENING.
1. INSPECT DRAINAGE STRUCTURE INLETS AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 1/2 INCH OR GREATER.
2. REMOVE SEDIMENT TRAP AND FILTER WHEN 1/2 FULL. DISPOSE OF SEDIMENT, CLEAN AND REINSTALL THE SEDIMENT TRAP.

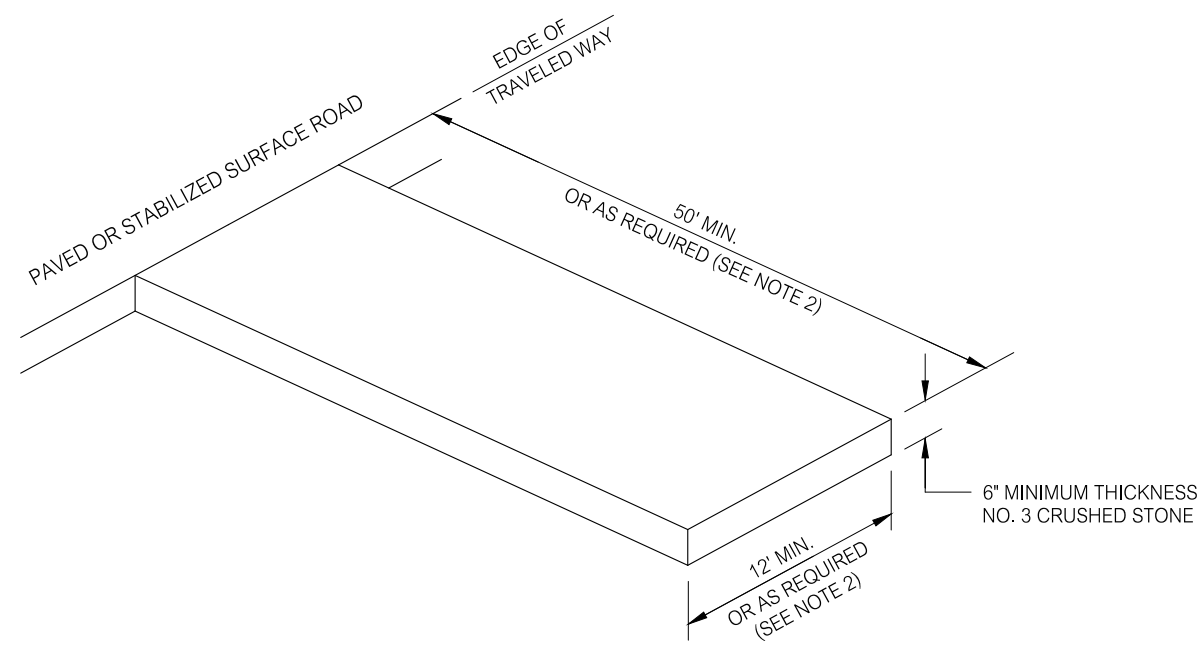


SECTION

ECB TEMPORARY EROSION CONTROL BLANKETS FOR SLOPES
NOT TO SCALE

NOTES:

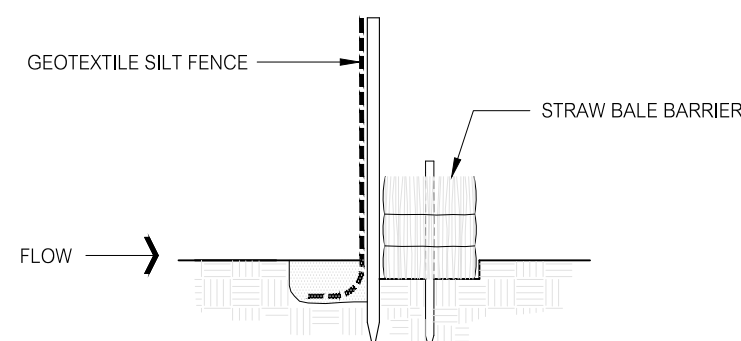
1. INSTALL EROSION CONTROL BLANKETS ON ALL SLOPES STEEPER THAN 4 HORIZONTAL TO 1 VERTICAL.
2. AMEND TOPSOIL AS REQUIRED AND SEED PRIOR TO INSTALLATION OF EROSION CONTROL BLANKETS.
3. INSTALL EROSION CONTROL BLANKETS IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
4. SEE MANUFACTURERS INSTRUCTIONS FOR STAPLE AND STAPLE PATTERN REQUIREMENTS.



CE CONSTRUCTION ENTRANCE
NOT TO SCALE

NOTES:

1. CLEAR AND GRUB AREA AND REMOVE TOPSOIL BEFORE PLACEMENT OF CRUSHED STONE LAYER. A GEOTEXTILE MAY BE REQUIRED TO STRENGTHEN SUBGRADE SOILS AND TO PREVENT STONE MOVEMENT AND LOSS OF VOIDS WITHIN THE STONE ENTRANCE WHERE REQUIRED.
2. LENGTH AND WIDTH OF ENTRANCE MAY BE INCREASED OR MAY BE LIMITED BY SITE CONDITIONS AS DIRECTED BY THE ENGINEER.
3. PROVIDE ADEQUATE WIDTH OF ENTRANCE AT ROAD INTERSECTION TO ACCOMMODATE THE TURNING MOVEMENTS OF CONSTRUCTION VEHICLES.
4. MAINTAIN ENTRANCE SO AS TO PREVENT TRACKING OR WASHING OF SEDIMENT ONTO ROAD. SEDIMENT THAT MAY BE TRACKED OR OTHERWISE DEPOSITED WITHIN THE ROAD SHALL BE REMOVED IMMEDIATELY.
5. MAINTENANCE MAY INCLUDE THE REQUIREMENT FOR TOP DRESSING THE CRUSHED STONE LAYER OR REPLACING THE FULL DEPTH OF THE CRUSHED STONE LAYER.
6. SHOULD SITE CONDITIONS BE SUCH THAT SOIL CANNOT BE REMOVED BY VEHICLES TRAVELING OVER THE ENTRANCE, THE TIRES OF VEHICLES MAY HAVE TO BE WASHED PRIOR TO VEHICLES ENTERING THE ROAD. ALL WASH WATER SHALL BE DIRECTED THROUGH AN APPROVED SEDIMENT FILTER OR TO A SEDIMENT BASIN.

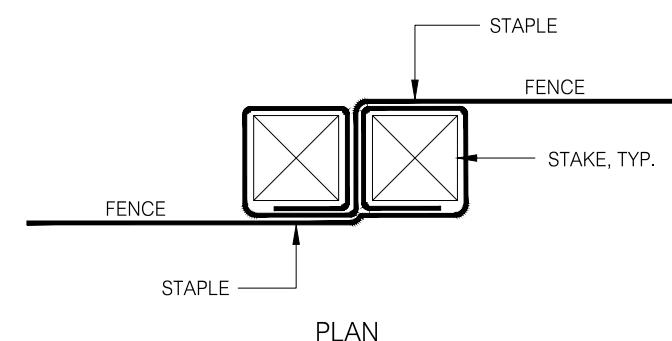


SECTION

GEOTEXTILE SILT FENCE AND STRAW BALE SEDIMENT CONTROL BARRIER
NOT TO SCALE

NOTES:

1. SEE GEOTEXTILE SILT FENCE AND STRAW BALE BARRIER DETAILS THIS SHEET.
2. WHERE A DOUBLE ROW OF BARRIER IS CALLED FOR ON THE PLANS THE DISTANCE BETWEEN THE FIRST LINE OF STRAW BALES AND THE SECOND LINE OF GEOTEXTILE SILT FENCE SHALL BE A MINIMUM OF 2 FEET.

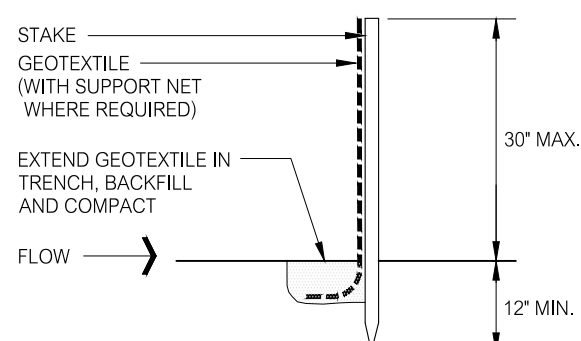


PLAN

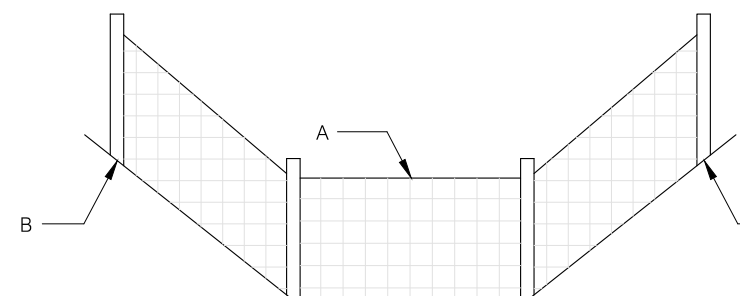
FENCE JOINT DETAIL

NOTE:

DRIVE STAKES TIGHTLY TOGETHER AND SECURE TOPS OF STAKES WITH CORD OR WIRE TO PREVENT FLOW-THROUGH OF SEDIMENT.



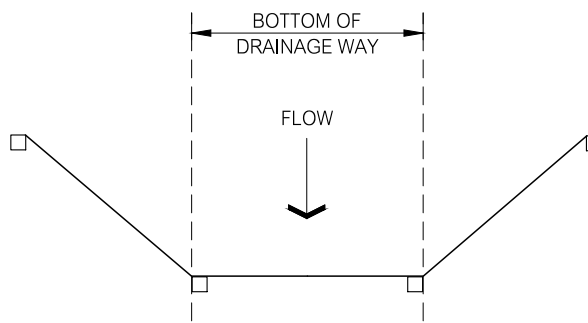
SECTION



ELEVATION

NOTE:

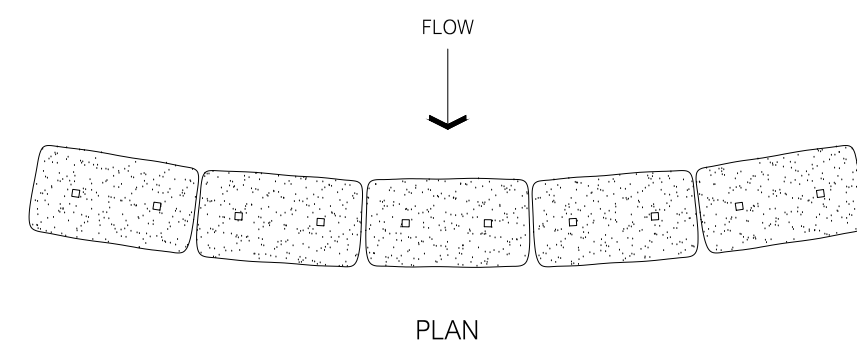
WHEN NOT INSTALLED ON THE CONTOUR OR WHEN INSTALLED IN A DRAINAGE WAY, THE ELEVATION OF POINTS B SHALL BE HIGHER THAN POINT A.



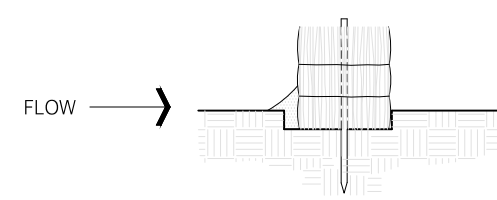
PLAN

GSF GEOTEXTILE SILT FENCE
NOT TO SCALE

1. EXCAVATE 6" DEEP TRENCH FOR LENGTH OF THE FENCE.
 2. EXTEND 6" LENGTH OF GEOTEXTILE INTO TRENCH, BACKFILL AND COMPACT.
 3. AS AN ALTERNATE METHOD, EXTEND LENGTH OF GEOTEXTILE HORIZONTALLY ON EXISTING GROUND, RAMP SOIL OVER GEOTEXTILE AND COMPACT.
1. INSPECT FENCE AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 1/2 INCH OR GREATER.
2. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.



PLAN



SECTION

HB STRAW BALE BARRIER
NOT TO SCALE

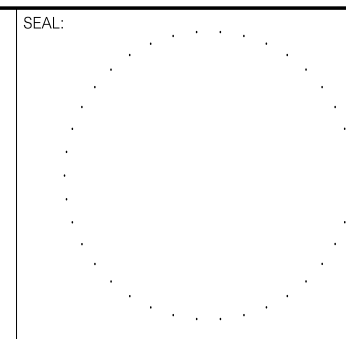
1. EXCAVATE 4" DEEP TRENCH FOR LENGTH OF BALES.
 2. PLACE AND STAKE BALES, TWO (2) STAKES PER BALE.
 3. PLACE BALES SUCH THAT BINDINGS ARE ORIENTED AROUND THE SIDES OF BALES RATHER THAN ALONG THE TOP AND BOTTOM OF BALES.
 4. WEDGE LOOSE STRAW BETWEEN BALES.
 5. BACKFILL AND COMPACT THE EXCAVATED SOIL ON UPHILL SIDE OF BARRIER.
1. INSPECT BARRIER AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 1/2 INCH OR GREATER.
2. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE BARRIER.

PERMIT DRAWINGS

REVISIONS:			TITLE:
NO.	DATE	DESCRIPTION	
REVISIONS			


The Williams School
ATHLETIC COMPLEX
122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

DRAWING PHASE:
ISSUED FOR PERMITTING
DATE: 6-20-25



PREPARED BY:
Summer Hill
Civil Engineers & Land Surveyors, P.C.
60 Wall Street
P.O. Box 708
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

PROJECT: TENNIS AND PICKLEBALL COURTS			
DATE: 6-1-25	SHEET: DETAILS		SHEET NO.: C-307
SCALE: AS NOTED			
DESIGNED: MJO			
CHECKED: LJM			
	FIELD BOOK: .	PROJECT NO.: 25-02	

The Williams School Tennis
New London, CT

LIGHTING SYSTEM

Structure/Fixture Summary						
Structure ID	Structure Height	Fixt. Attachment Ht.	Fixture Qty	Fixture Type	Load	Circuit
T1	50'	40'	2	TLC-LED-550	1.08 kW	C
T1	50'	50'	2	TLC-LED-1200	2.34 kW	A
T2	50'	50'	2	TLC-LED-1200	2.34 kW	A
T3	50'	50'	2	TLC-LED-1200	2.34 kW	B
T4	50'	50'	2	TLC-LED-1200	2.34 kW	B
T5	50'	50'	2	TLC-LED-1200	2.34 kW	B
T6	50'	50'	2	TLC-LED-1200	2.34 kW	B
T6	50'	50'	2	TLC-LED-550	1.08 kW	C
2			20		20.88 kW	A

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Tennis 1-3	9.36 kW	8
B	Tennis 4-6	9.36 kW	8
C	Pickleball	2.16 kW	4

Fixture Type Summary						
Type	Circuit	Source	Wattage	Lumens	L80	Quantity
TLC-LED-1200	A	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000
TLC-LED-1200	B	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000
TLC-LED-550	C	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000

Single Fixture Amperage Draw Chart						
Driver Specifications (.80 min power factor)		Line Amperage Per Fixture (max draw)				
Single Phase Voltage		208 (60)	220 (60)	240 (60)	277 (60)	347 (60)
TLC-LED-1200		4.9	6.5	6.0	5.2	4.2
TLC-LED-550		3.2	3.0	2.8	2.4	1.9

Light Level Summary						
Calculation Grid Summary		Illumination Area			Circuits	
Grid Name	Calculation Metric	Ave	Min	Max	Avg/Min	Fixture Qty
Pickleball	Horizontal Illuminance	17.79	11	26	2.50	4
Tennis 1-3	Horizontal Illuminance	57.31	49	65	1.35	8
Tennis 4-6	Horizontal Illuminance	56.73	48	64	1.34	8

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



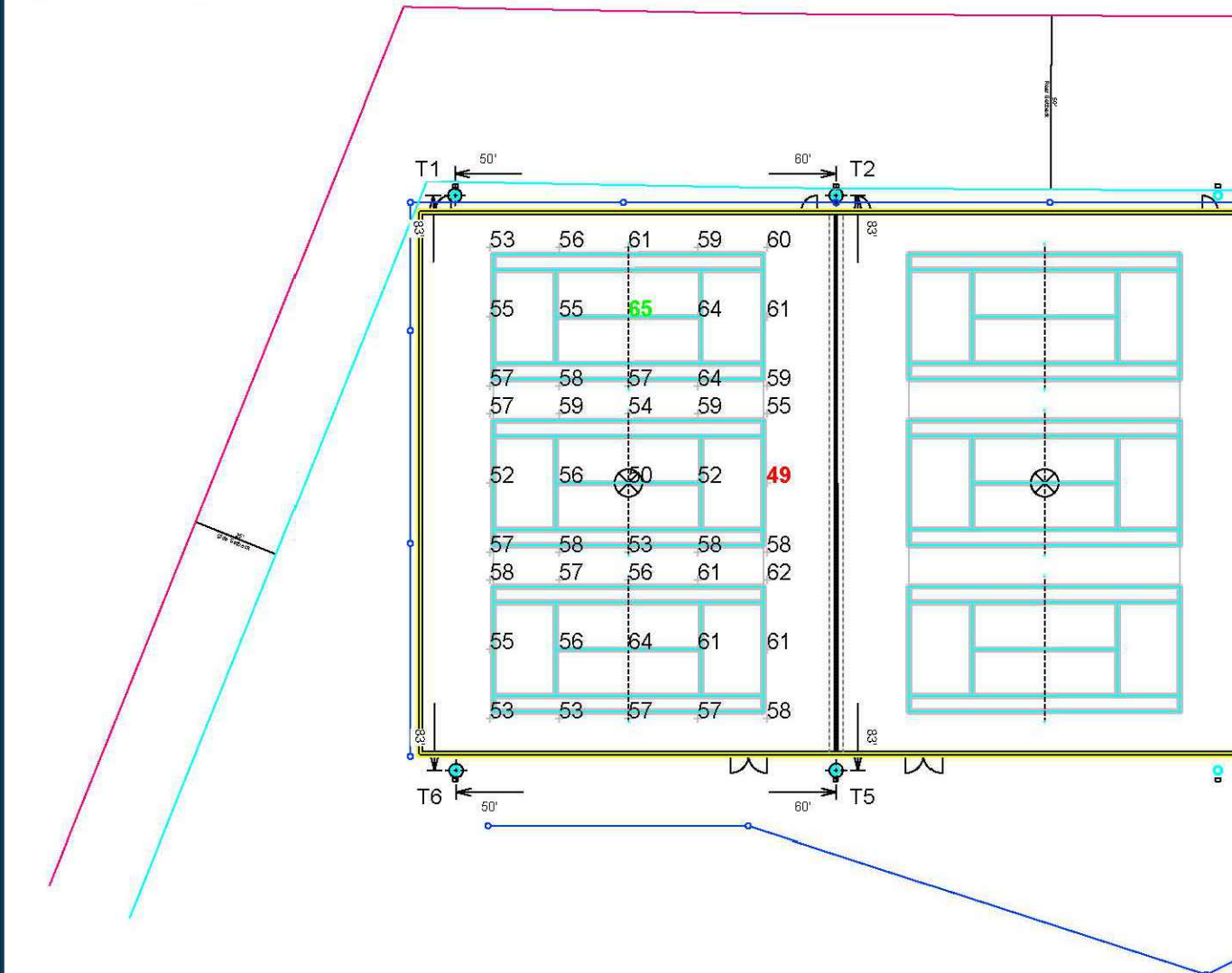
ENGINEERED DESIGN By: J. Danielson • File #170539D • 26-Jun-25

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PROJECT SUMMARY

Equipment List For Areas Shown						
Structure		Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE
2	T1	50'	-	50'	TLC-LED-1200	2
2	T2	50'	-	50'	TLC-LED-1200	2
2	T5	50'	-	50'	TLC-LED-1200	2
4	T6	50'	-	50'	TLC-LED-550	4
Totals						12

Above Field Level is height of fixtures above area shown



SCALE IN FEET 1:50

ENGINEERED DESIGN By: J. Danielson • File #170539D • 26-Jun-25

The Williams School Tennis
New London, CT

Grid Summary

Name:	Tennis 1-3
Size:	3 Court - 12' Spacing
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

Illumination Summary

Entire Grid	
Guaranteed Average:	50
Scan Average:	57.31
Minimum:	49
Maximum:	65
Avg/Min:	1.35
UG (adjacent pole):	0.80
UG (adjacent pole):	0.84
No. of Points:	45
Applied Circuits:	A
No. of Fixtures:	8
Total Load:	9.36 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

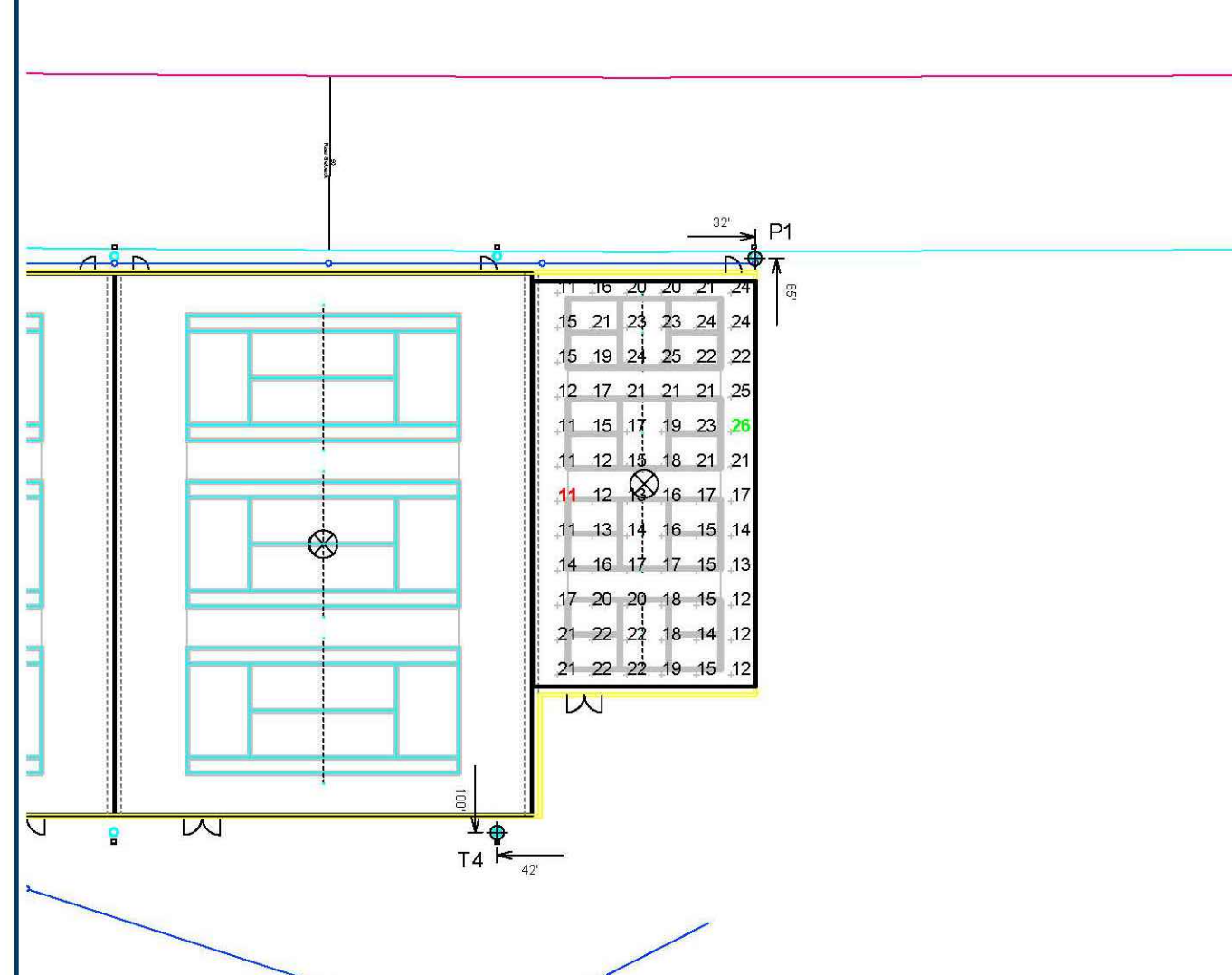


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ILLUMINATION SUMMARY

Equipment List For Areas Shown						
Structure		Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE
1	P1	40'	-	40'	TLC-LED-550	2
1	T4	50'	-	50'	TLC-LED-1200	2
2	T5	50'	-	50'	TLC-LED-550	2
Totals						6

Above Field Level is height of fixtures above area shown



SCALE IN FEET 1:50

ENGINEERED DESIGN By: J. Danielson • File #170539D • 26-Jun-25

The Williams School Tennis
New London, CT

Grid Summary

Name:	Pickleball
Size:	11'7" x 4'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

Illumination Summary

Entire Grid	
Scan Average:	17.79
Minimum:	11
Maximum:	26
Avg/Min:	1.68
UG (adjacent pole):	1.43
UG (adjacent pole):	0.47
No. of Points:	72
Applied Circuits:	C
No. of Fixtures:	4
Total Load:	2.16 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

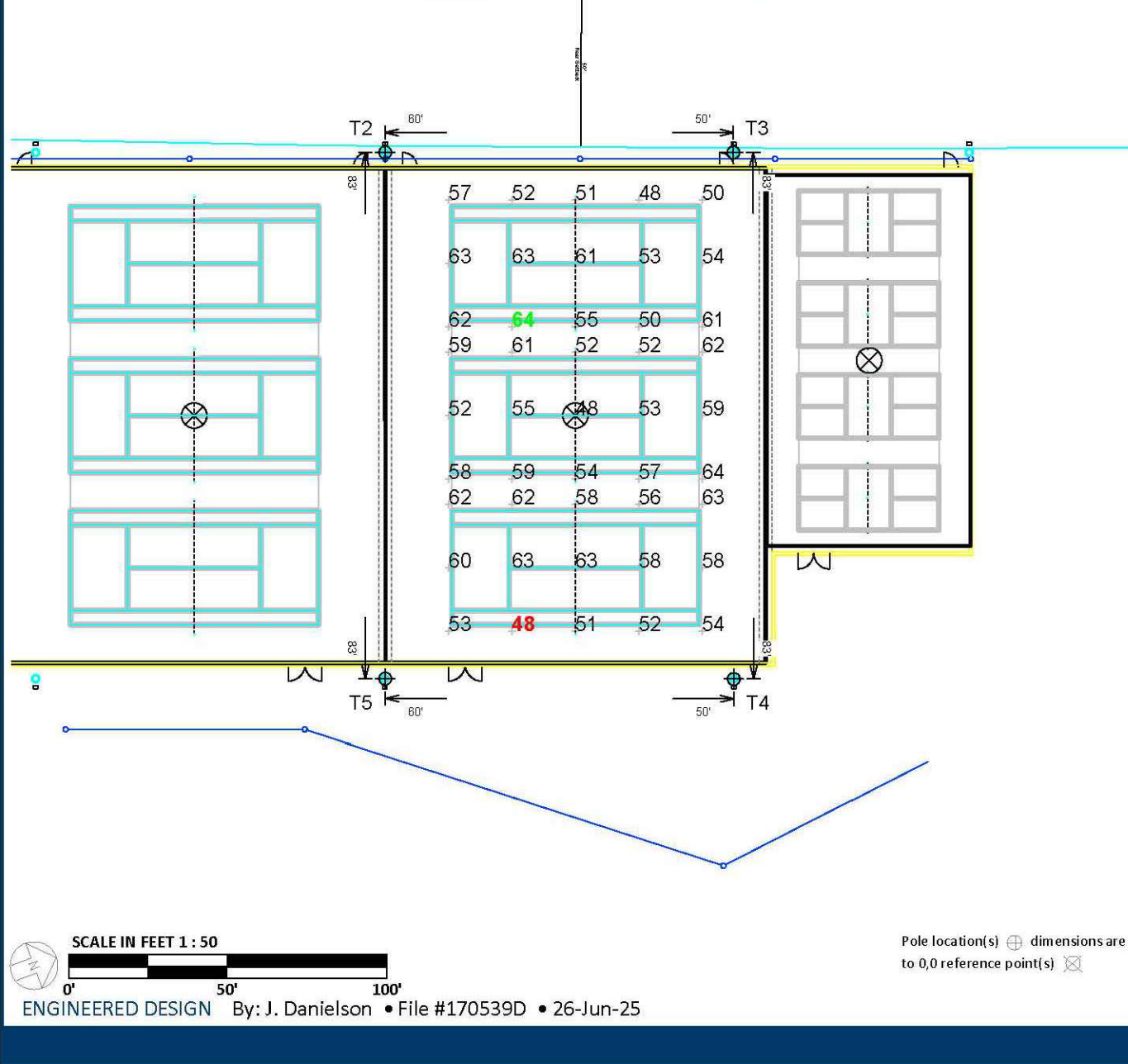


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ILLUMINATION SUMMARY

Equipment List For Areas Shown						
Structure		Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE
2	T2	50'	-	50'	TLC-LED-1200	4
1	T3	50'	-	50'	TLC-LED-1200	2
1	T4	50'	-	50'	TLC-LED-1200	2
1	T5	50'	-	50'	TLC-LED-550	2
4	T6	50'	-	50'	TLC-LED-550	4
Totals						14

Above Field Level is height of fixtures above area shown



SCALE IN FEET 1:50

ENGINEERED DESIGN By: J. Danielson • File #170539D • 26-Jun-25

The Williams School Tennis
New London, CT

Grid Summary

Name:	Tennis 4-6
Size:	3 Court - 12' Spacing
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

Illumination Summary

Entire Grid	
Guaranteed Average:	50
Scan Average:	56.73
Minimum:	48
Maximum:	64
Avg/Min:	1.34
UG (adjacent pole):	0.80
UG (adjacent pole):	0.83
No. of Points:	45
Applied Circuits:	B
No. of Fixtures:	8
Total Load:	9.36 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

The Williams School Tennis
New London, CT

Equipment Layout

INCLUDES:	Pickleball
Tennis 1-3	
Tennis 4-6	
Electrical System Requirements:	Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.
Installation Requirements:	Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown						
Structure		Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE GLOBAL LEVEL	FIXTURE TYPE	QTY/POLE
1	P1	40'	-	40'	TLC-LED-550	2
3	T3	50'	-	50'	TLC-LED-1200	2
2	T5	50'	-	50'	TLC-LED-1200	4
1	T4	50'	-	50'	TLC-LED-1200	2
2	T6	50'	-	50'	TLC-LED-550	2
Totals						20

Above Global Level is height of fixtures above design (0.0,0)

Single Fixture Amperage Draw Chart						
Driver Specifications (.80 min power factor)		Line Amperage Per Fixture (max draw)				
Single Phase Voltage		208 (60)	220 (60)	240 (60)	277 (60)	340 (60)
TLC-LED-1200		6.9	6.5	6.0	5.2	4.2
TLC-LED-550		3.2	3.0	2.8	2.4	1.9



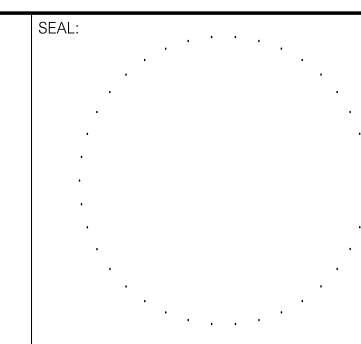
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EQUIPMENT LAYOUT

REVISIONS			TITLE
NO.	DATE	DESCRIPTION	
REVISIONS			

The Williams School
ATHLETIC COMPLEX
122 BLOOMINGDALE ROAD
WATERFORD, CONNECTICUT

DRAWING PHASE:
ISSUED FOR PERMITTING
DATE: 6-20-25



PREPARED BY:
Summer Hill
Civil Engineers & Land Surveyors, P.C.
60 Wall Street
P.O. Box 708
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

PROJECT:
TENNIS AND PICKLEBALL COURTS
DATE: 6-1-25
SCALE: AS NOTED
DESIGNED: MJO
CHECKED: LJM
SHEET:
COURT LIGHTING PHOTOMETRICS
PROJECT NO.: 25-02
SHEET NO.: C-308