

CONGREGATION BETH-EL SYNAGOGUE

33 KENYON ROAD
WATERFORD, CONNECTICUT

NOVEMBER 2025

CIVIL PERMIT DRAWINGS

CONSERVATION COMMISSION SUBMISSION

PREPARED FOR:
CONGREGATION BETH-EL, INC. OF NEW LONDON

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 11-7-25

OWNER
CONGREGATION BETH-EL, INC. OF NEW LONDON
P.O. BOX 1310
NEW LONDON, CONNECTICUT 06320
TELEPHONE: 860-501-3150

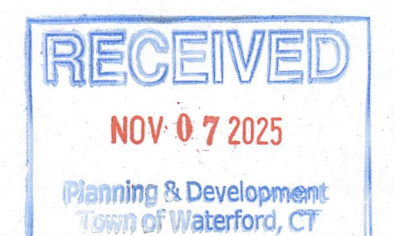
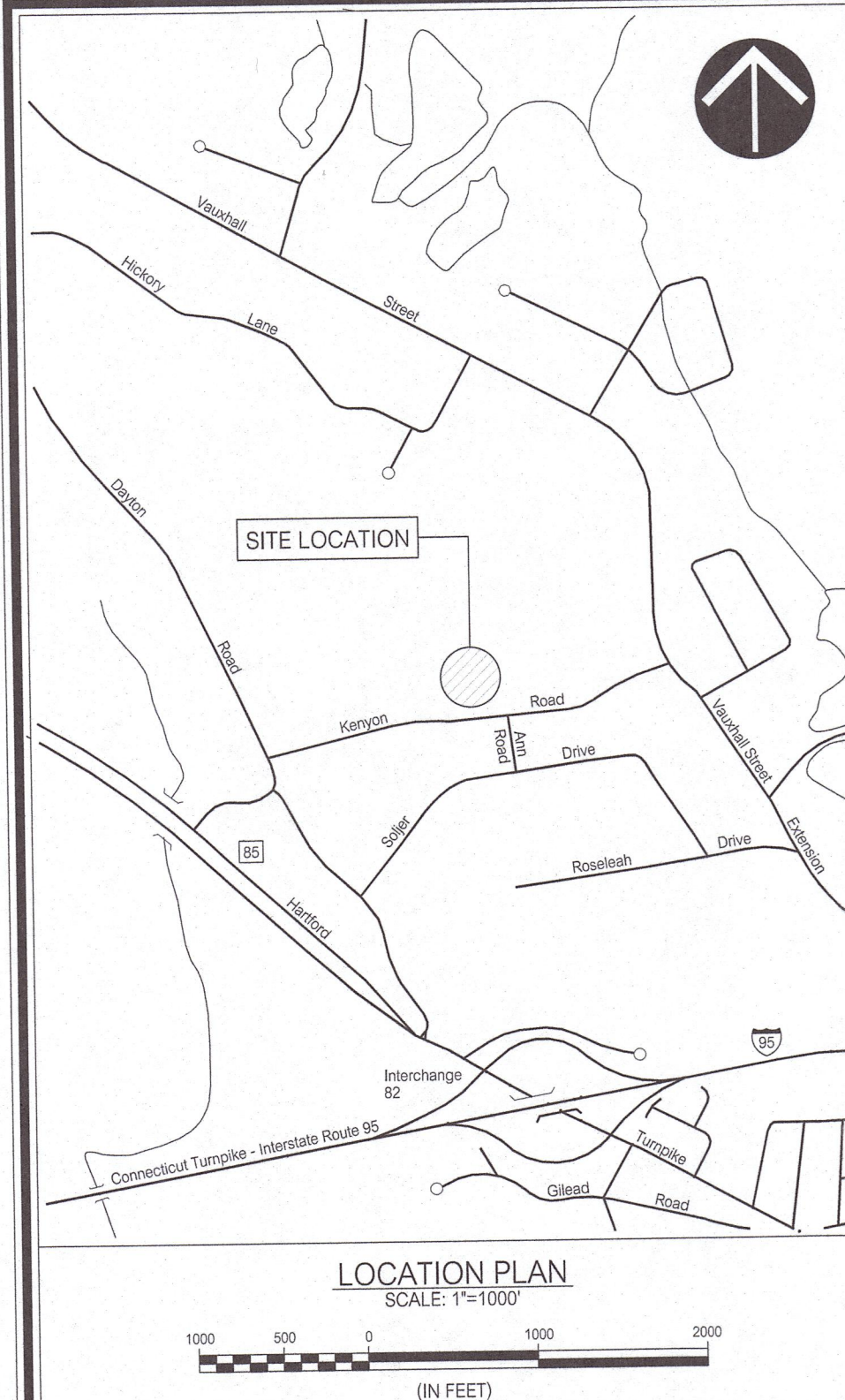
APPLICANT
CONGREGATION BETH-EL, INC. OF NEW LONDON
P.O. BOX 1310
NEW LONDON, CONNECTICUT 06320
TELEPHONE: 860-501-3150

SHEET No.: C-001

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	EXISTING CONDITIONS PLAN
C-201	GENERAL PLAN
C-202	SITE LAYOUT PLAN
C-301	DETAILS
C-302	DETAILS
C-303	DETAILS
C-304	DETAILS

ZONING STANDARDS SCHEDULE				
MEDIUM DENSITY RESIDENTIAL DISTRICT (R-20)				
SECTION	STANDARD	REQUIRED	EXISTING	PROVIDED
4.1	MINIMUM LOT AREA	20,000 SF	112,209.2 SF	112,209.2 SF
4.3	MINIMUM LOT FRONTAGE	85 FT	197.4 FT	197.4 FT
4.3	MINIMUM LOT WIDTH	100 FT	200.1 FT	200.1 FT
4.4	MINIMUM SETBACKS:			
	FRONT YARD	50 FT	-	89.3 FT
	SIDE YARD	20 FT	-	33.8 FT
	REAR YARD	50 FT	-	455.9 FT
4.5	MAXIMUM BUILDING COVERAGE	25%	-	3.5% (3,975 SF)
4.6	MAXIMUM BUILDING HEIGHT	35 FT	-	18.0 FT
PARKING REQUIREMENTS:				
1 SPACE PER 3 PERSONS SEATED X 120 SEATS = 40 SPACES				
PARKING SPACES PROVIDED:				
50 SPACES (INCLUDES 2 RESERVED SPACES)				



MICHAEL J. OTT, P.E., L.S.
CT REGISTRATION NO. 10082

DATE

ACRE	ACRE
ACP	ASBESTOS CEMENT PIPE
ACCOMP	ASPHALT COATED CORRUGATED METAL PIPE
A.O.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
DI	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 _y	YIELD STRENGTH OF STEEL REINFORCEMENT
F ₁	FINISH FLOOR
FM	FORCE MAIN
FND.	FOUND
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET OR FOOT
GA.	GAUGE
GAL	GALLON
H	HORIZONTAL
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HTL	HIGH TIE LINE
I.D.	INSIDE DIAMETER
INV.	INVERT
IP	IRON PIN/PIPE
KSF	KIPS PER SQUARE FOOT
L	LENGTH
LB	POUND
L.F.	LINEAR FEET
L.S.	LUMP SUM
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
LX.	MAXIMUM
MAF	MANHOLE
MIN.	MINIMUM
MCM	MONUMENT
NIF	NOW OR FORMERLY
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
P.C.	POINT OF CURVATURE
P.C.C.	POINT OF COMPOUND CURVATURE
PE	PLAIN END OR POLYETHYLENE
P.I.	POINT OF INTERSECTION
P.R.C.	POINT OF REVERSE CURVATURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
P.T.	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
PVCC	POINT OF VERTICAL COMPOUND CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVRC	POINT OF VERTICAL REVERSE CURVATURE
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
RCCE	REINFORCED CONCRETE CULVERT END
RCP	REINFORCED CONCRETE PIPE
R.O.W.	RIGHT-OF-WAY
R.R.	RAILROAD
RT	RIGHT
R/W	RETAINING WALL
SAN	SANITARY
SCG	SOUTHERN CONNECTICUT GAS
SCH	SCHEDULE
SDR	STANDARD DIMENSION RATIO
S.F.	SQUARE FOOT
S.NET	SOUTHERN NEW ENGLAND TELEPHONE
S.S.	STAINLESS STEEL
STA	STATION
STD.	STANDARD
S.Y.	SQUARE YARD
T&B	TOP AND BOTTOM
T.F.	TOP OF FRAME
T.G.	TOP OF GRATE
T.O.F.	TOP OF FOOTING
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.I.	UNITED ILLUMINATING
V	VERTICAL
VCP	VITRIFIED CLAY PIPE
WF	WETLAND FLAG

EXISTING	PROPOSED
PROPERTY LINE	
RIGHT-OF-WAY LINE	
EASEMENT LINE	
BASELINE	1+00
ELEVATION CONTOUR	100 + 100.0
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	
HEDGEROW	
WATERCOURSE	
INLAND WETLAND BOUNDARY	
TIDAL WETLAND BOUNDARY	
COMMUNICATIONS	C
ELECTRIC	E
GAS MAIN/SERVICE	G
WATER MAIN/SERVICE	W
OVER-HEAD UTILITY WIRE(S)	
SANITARY SEWER $\leq 12"$ DIAMETER	
SANITARY SEWER $> 12"$ DIAMETER	
STORM SEWER $\leq 12"$ DIAMETER	
STORM SEWER $> 12"$ DIAMETER	
CATCH BASIN	
MANHOLE	
SURVEY STATION	
TEST PIT	
BORING	
PROBE	
ASSESSOR'S MAP NO./LOT NO.	
SOIL TYPE	
SOIL TYPE BOUNDARY	
FLOODPLAIN BOUNDARY	
CLEARING LIMIT LINE	
LIMIT OF CUT	
LIMIT OF FILL	
PAVEMENT REMOVAL LINE	
SEDIMENTATION CONTROL BARRIER	
SEDIMENTATION CONTROL AT DRAINAGE STRUCTURE	
DECIDUOUS TREE	
CONIFEROUS TREE	
SHRUB	
TREE TO BE REMOVED	

THESE DRAWINGS ARE INTENDED TO BE USED FOR MUNICIPAL, STATE, AND/OR FEDERAL LAND USE PERMITTING PURPOSES AND ARE NOT INTENDED TO BE USED AS CONSTRUCTION DOCUMENTS.

2. 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 FACILITIES LOCATIONS SHOWN SHOULD BE CONSIDERED APPROXIMATE ONLY AND ALL FACILITIES MAY NOT BE SHOWN.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND FOR THE MAINTENANCE AND PROTECTION THEREOF. CONTACT THE CONNECTICUT CALL BEFORE YOU DIG CLEARANCE CENTER (1-800-922-4455) AT LEAST TWO WORKING DAYS PRIOR TO THE START OF WORK TO ESTABLISH AND HAVE VERIFIED 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) 665-4733
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

4. IN GENERAL, EXISTING CONDITIONS AND FEATURES ARE DEPICTED IN SCREENED GRAPHICS AND TITLECASE LETTERING AND PROPOSED WORK IS DEPICTED IN BOLD GRAPHICS AND BOLD LETTERING.

5. THE STANDARD SPECIFICATIONS ARE THE DIVISION II CONSTRUCTION DETAILS AND DIVISION II MATERIALS SECTION OF THE 'STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 819', 2024, LATEST REVISION, INCLUDING ALL SUPPLEMENTS THERETO.

6. PRIOR TO THE START OF WORK, THOROUGHLY REVIEW THE DRAWINGS, 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.

7. ADHERE TO THE REGULATIONS AND ORDINANCES OF THE TOWN OF WATERFORD, ALL APPLICABLE STATE AND FEDERAL REGULATORY AUTHORITIES, AND THE PROVISIONS OF ALL APPROVALS AND OR PERMITS ISSUED FOR THE PROJECT.

8. 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.

9. MATERIAL AND EQUIPMENT STORAGE AREA LOCATIONS SHALL BE APPROVED BY THE ENGINEER.

10. VEHICLE AND EQUIPMENT FUELING AND MAINTENANCE OPERATIONS SHALL BE PERFORMED ONLY IN AREAS APPROVED BY THE ENGINEER.

11. IN THE EVENT OF A CONTINGENT RELEASE, IMMEDIATELY NOTIFY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION EMERGENCY RESPONSES OFFICE (PREVENTION DIVISION (860-244-3338 OR 866-537-7745) AND THE TOWN OF WATERFORD FIRE MARSHALS OFFICE (860-440-0544).

12. COORDINATE ALL BUILDING UTILITY SERVICE WORK WITH THE RESPECTIVE UTILITY COMPANIES.

13. WORK WITHIN THE KENYON ROAD RIGHT-OF-WAY WILL REQUIRE AN ENCROACHMENT PERMIT FROM THE TOWN OF WATERFORD DEPARTMENT OF PUBLIC WORKS.

14. BE RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC WITHIN AND ADJACENT TO WORK AREAS.

15. BE RESPONSIBLE FOR THE CONTROL OF DUST RESULTING FROM CONSTRUCTION OPERATIONS.

16. PROTECT ALL EXISTING CONDITIONS AND FEATURES WHERE NEW CONSTRUCTION IS NOT SHOWN ON THE DRAWINGS.

17. PROTECT STREET LINE AND PRIVATE BOUNDARY MARKERS.

18. PRIOR TO THE START OF FINE GRASS AND VEGETATION REMOVAL WORK, SCHEDULE A FIELD MEETING WITH THE ARCHITECT AND THE ENGINEER TO REVIEW SPECIFIC TREES AND VEGETATION TO BE REMOVED AND TREES AND VEGETATION TO BE PROTECTED.

19. SAWCUT PAVEMENTS AT THE LINES SHOWN ON THE DRAWINGS, WHERE NEW BITUMINOUS SURFACE PAVEMENT IS TO BE IN PLACE, MATCH EXISTING PAVEMENT. CLEAN THE FACE OF EXISTING PAVEMENT AND APPLY LIQUID BITUMEN. MATCH EXISTING ADJACENT PAVEMENT SURFACE ELEVATIONS WITH NEW PAVEMENT.

20. ADJUST MANHOLE FRAMES, HANDHOLES, AND VALVE BOXES TO MATCH FINISHED GROUND SURFACE AND PAVEMENTS ELEVATIONS.

21. 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.

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

<u>MAP UNIT SYMBOL</u>	<u>MAP UNIT DESCRIPTION</u>
18	CATDEN AND FREETOWN SOILS, 0 TO 2 PERCENT SLOPES
701A	NINIGRET FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES

PERMIT DRAWINGS

LAND
OF
CONGREGATION BETH-EL, INC.
33 KENYON ROAD
WATERFORD, CONNECTICUT

DRAWING PHASE:

ISSUED FOR PERMITTING

DATE: 11-7-25

PREPARED BY:

Summer Hill

Civil Engineers & Land Surveyors, P.C.

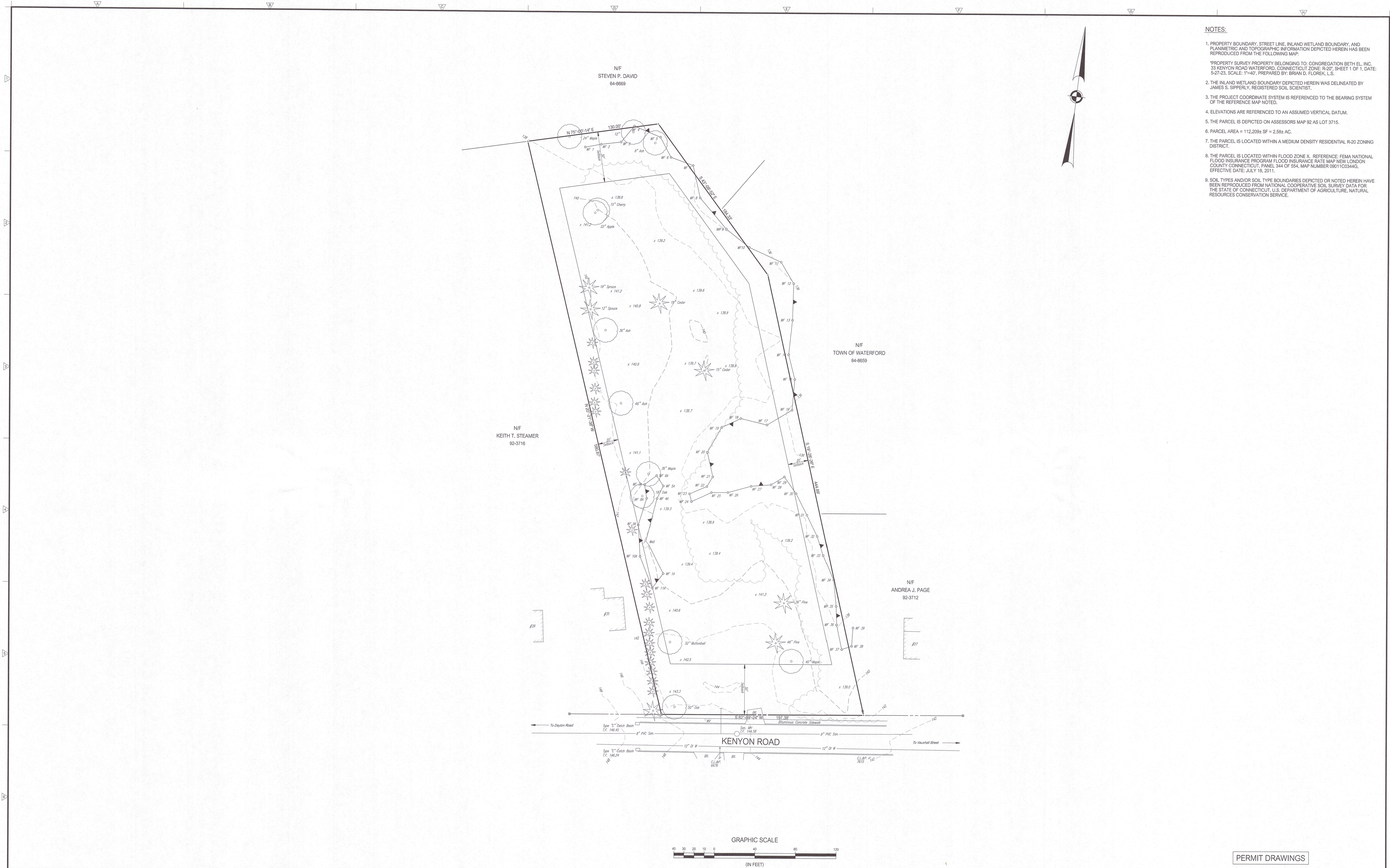
60 Wall Street
P.O. Box 708
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

CONGREGATION BETH-EL
SYNAGOGUE

GENERAL NOTES, ABBREVIATIONS,
AND LEGEND

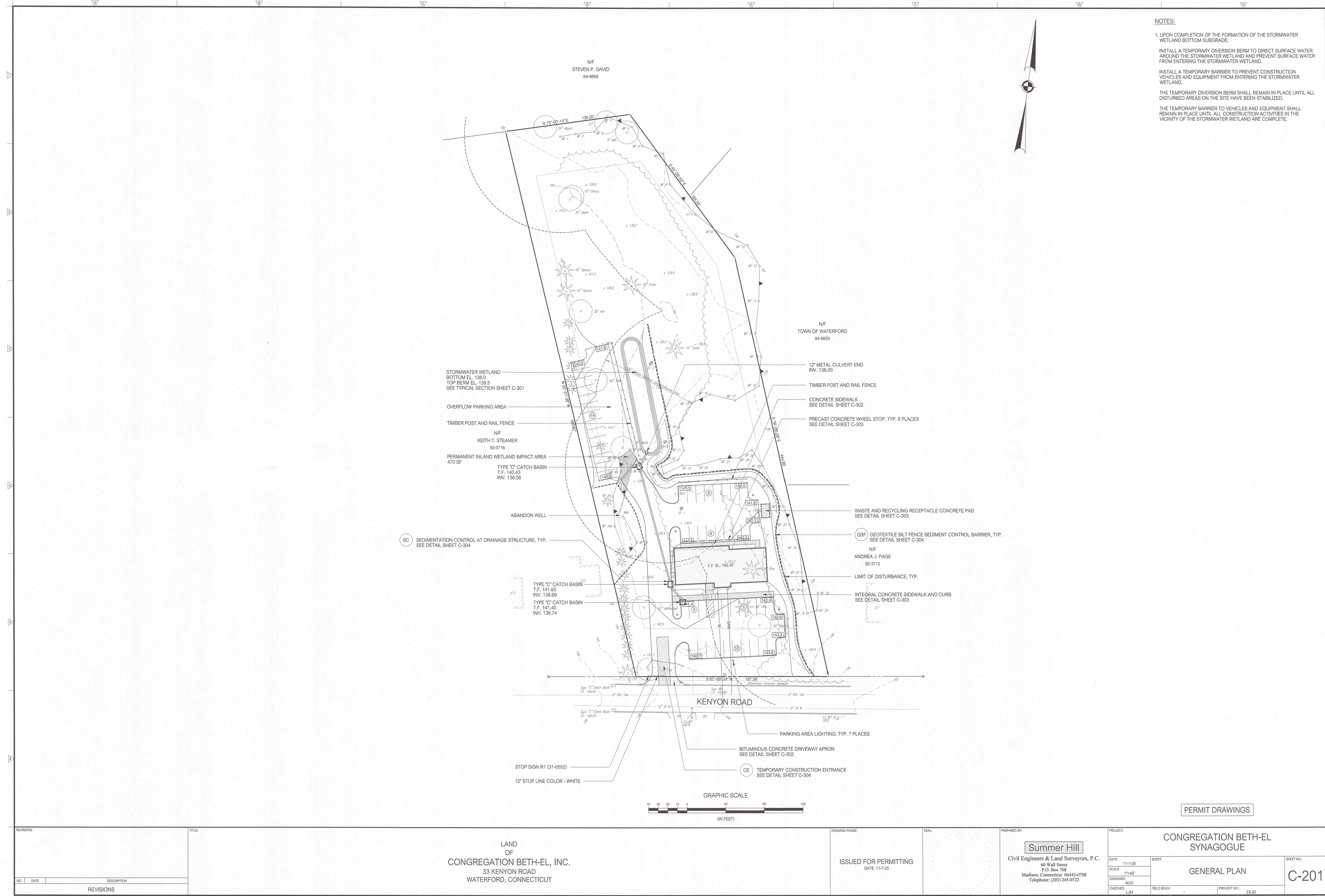
SHEET NO.:
C-002

REVISIONS:		
NO.	DATE	DESCRIPTION
REVISIONS		



- NOTES:
1. PROPERTY BOUNDARY, STREET LINE, INLAND WETLAND BOUNDARY, AND PLANIMETRIC AND TOPOGRAPHIC INFORMATION DEPICTED HEREIN HAS BEEN REPRODUCED FROM THE FOLLOWING MAP:
"PROPERTY SURVEY PROPERTY BELONGING TO: CONGREGATION BETH EL, INC. 33 KENYON ROAD WATERFORD, CONNECTICUT ZONE: R-20", SHEET 1 OF 1, DATE: 5-27-23, SCALE: 1"=40', PREPARED BY: BRIAN D. FLOREK, L.S.
 2. THE INLAND WETLAND BOUNDARY DEPICTED HEREIN WAS DELINEATED BY JAMES S. SIPPERLY, REGISTERED SOIL SCIENTIST.
 3. THE PROJECT COORDINATE SYSTEM IS REFERENCED TO THE BEARING SYSTEM OF THE REFERENCE MAP NOTED.
 4. ELEVATIONS ARE REFERENCED TO AN ASSUMED VERTICAL DATUM.
 5. THE PARCEL IS DEPICTED ON ASSESSORS MAP 92 AS LOT 3715.
 6. PARCEL AREA = 112,209± SF = 2.58± AC.
 7. THE PARCEL IS LOCATED WITHIN A MEDIUM DENSITY RESIDENTIAL R-20 ZONING DISTRICT.
 8. THE PARCEL 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: JULY 18, 2011.
 9. SOIL TYPES AND/OR SOIL TYPE BOUNDARIES DEPICTED OR NOTED HEREIN HAVE BEEN REPRODUCED FROM NATIONAL COOPERATIVE SOIL SURVEY DATA FOR THE STATE OF CONNECTICUT, U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE.

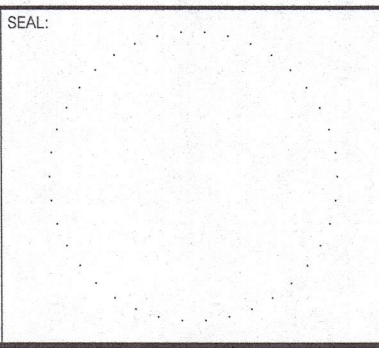
REVISIONS:		TITLE:	
NO. DATE DESCRIPTION		LAND OF CONGREGATION BETH-EL, INC. 33 KENYON ROAD WATERFORD, CONNECTICUT	
REVISIONS			
		DRAWING PHASE: ISSUED FOR PERMITTING DATE: 11-7-25	
		SEAL: 	
		PREPARED BY: Summer Hill Civil Engineers & Land Surveyors, P.C. 60 Wall Street P.O. Box 708 Madison, Connecticut 06443-0708 Telephone: (203) 245-0722	
		PROJECT: CONGREGATION BETH-EL SYNAGOGUE	
		SHEET: EXISTING CONDITIONS PLAN	
		SHEET NO.: C-101	
		DATE: 11-1-25 SCALE: 1"=40' DESIGNED: MJO CHECKED: LJM FIELD BOOK: PROJECT NO.: 23-20	



REVISIONS:		
NO.	DATE	DESCRIPTION
REVISIONS		

TITLE:	
LAND OF CONGREGATION BETH-EL, INC. 33 KENYON ROAD WATERFORD, CONNECTICUT	

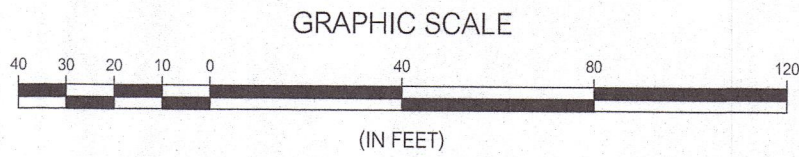
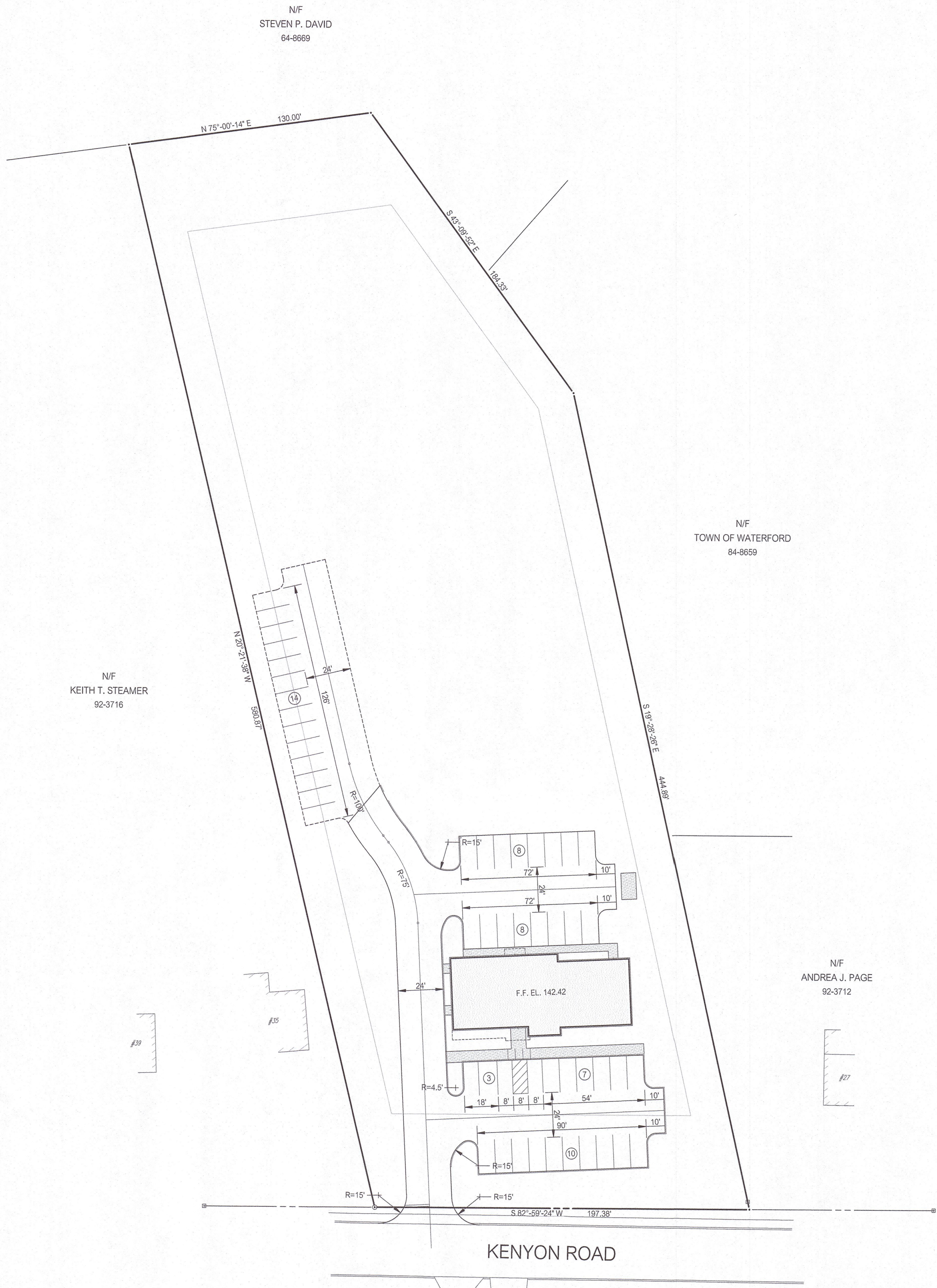
DRAWING PHASE:
ISSUED FOR PERMITTING DATE: 11-7-25



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PROJECT:		SHEET NO.:	
CONGREGATION BETH-EL SYNAGOGUE		C-201	
GENERAL PLAN			
DATE: 11-1-25	SHEET:		
SCALE: 1"=40'			
DESIGNED: MJO			
CHECKED: LIM	FIELD BOOK:	PROJECT NO.:	23-20

- NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURBING OR EDGE OF PAVEMENT.
 2. PAVEMENT CURVE RADIUS NOT DIMENSIONED OR SHOWN IN THE DRAWING DETAILS ARE FIVE (5) FEET.
 3. SEE SHEET C-303 DETAILS FOR PARKING STALL DIMENSIONS.
 4. PARKING BAY STALL NUMBER TOTALS ARE IDENTIFIED THUS: ⑩



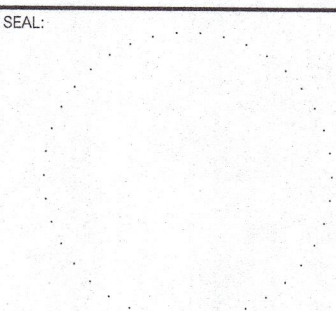
PERMIT DRAWINGS

REVISIONS:		

LAND
OF
CONGREGATION BETH-EL, INC.
33 KENYON ROAD
WATERFORD, CONNECTICUT

DRAWING PHASE:

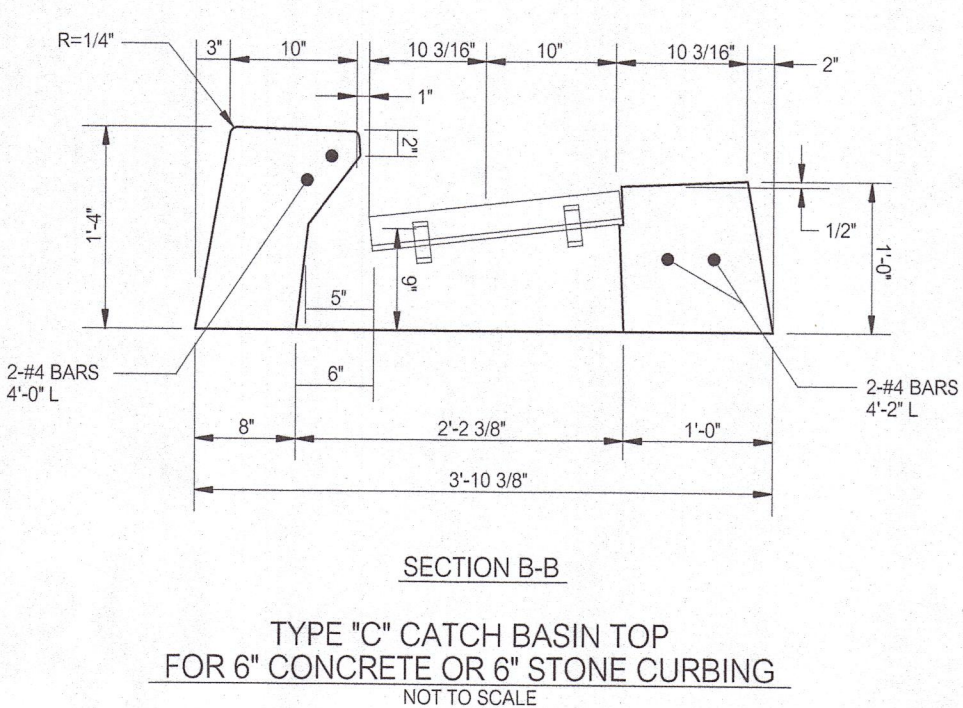
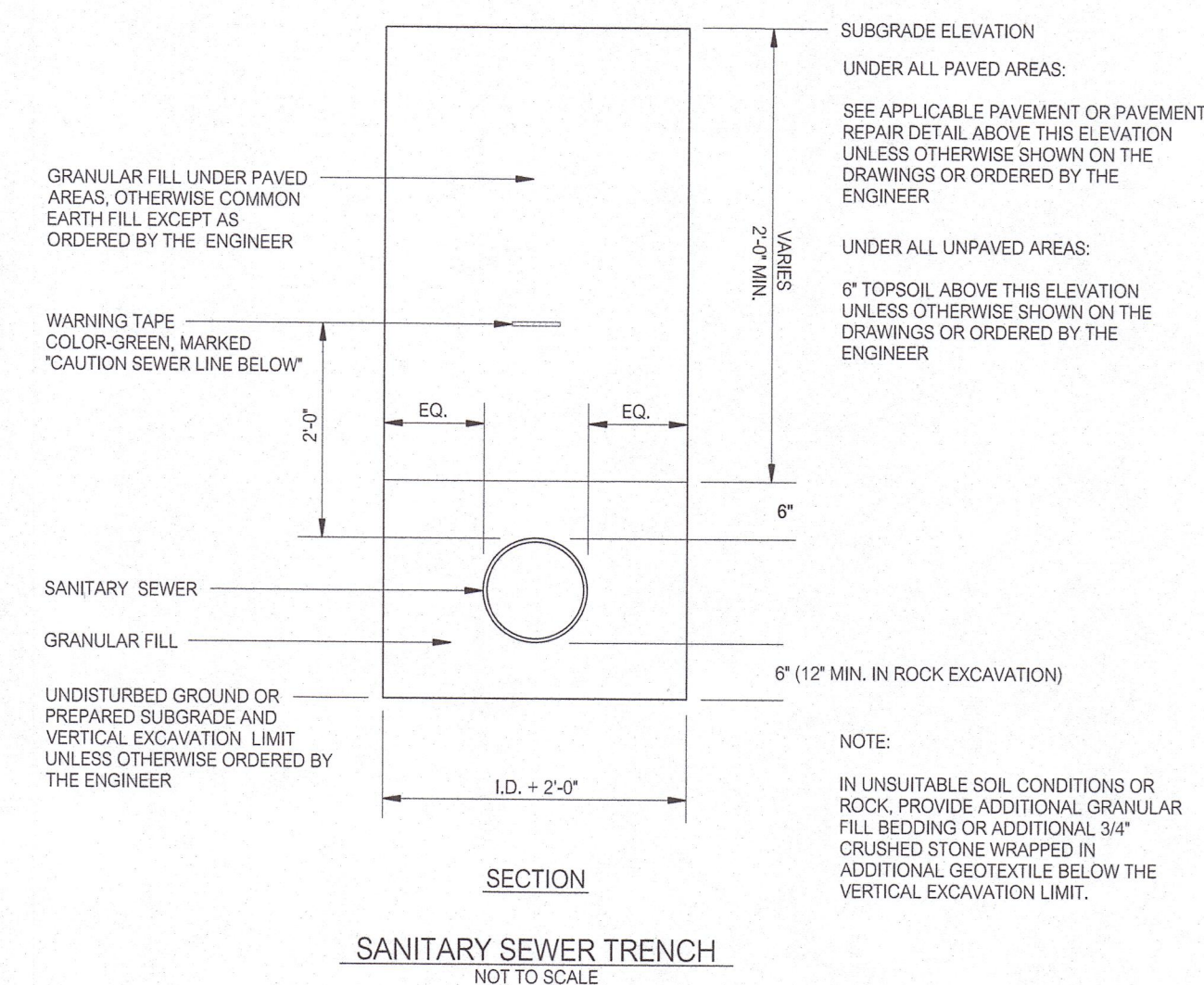
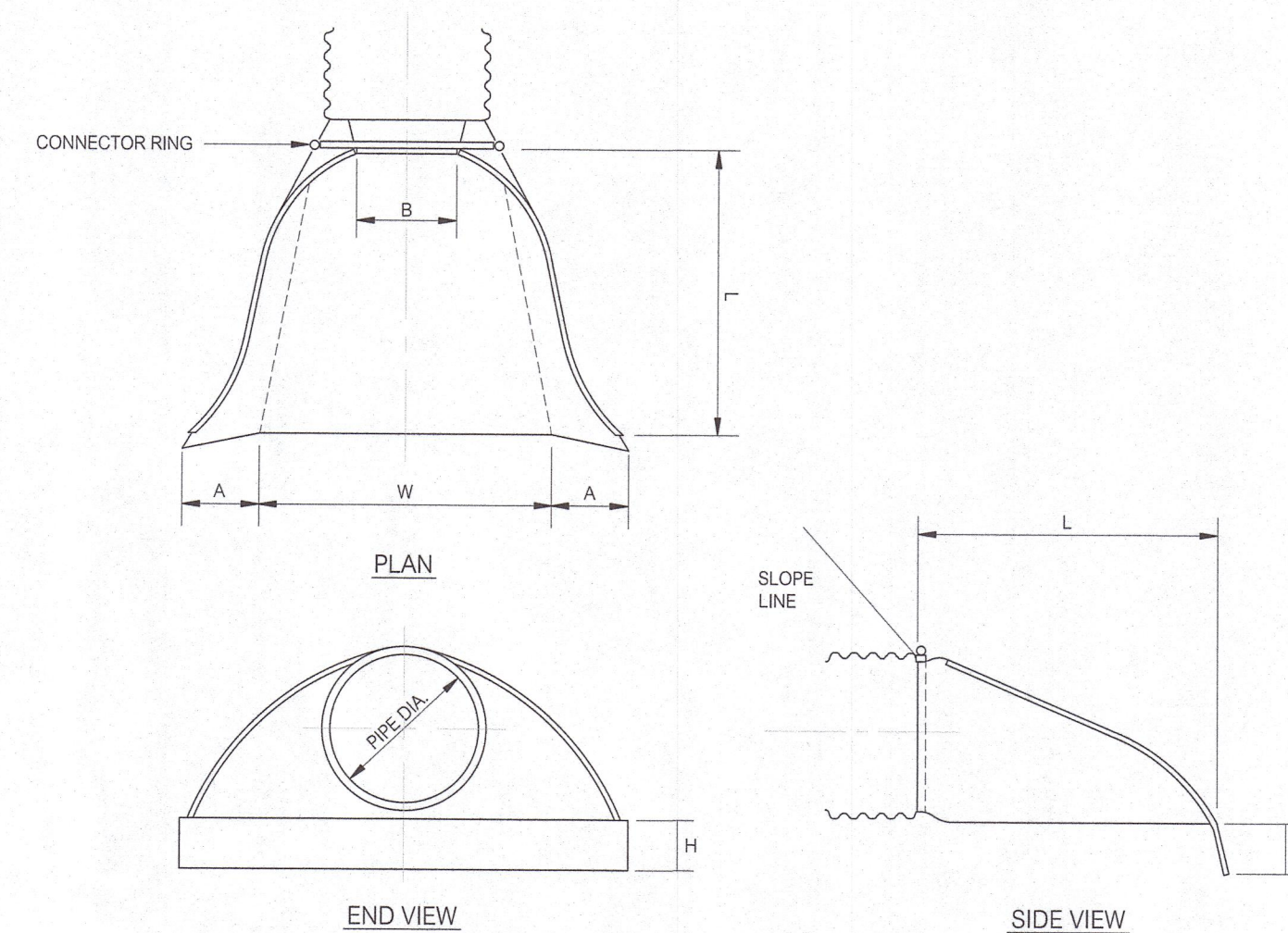
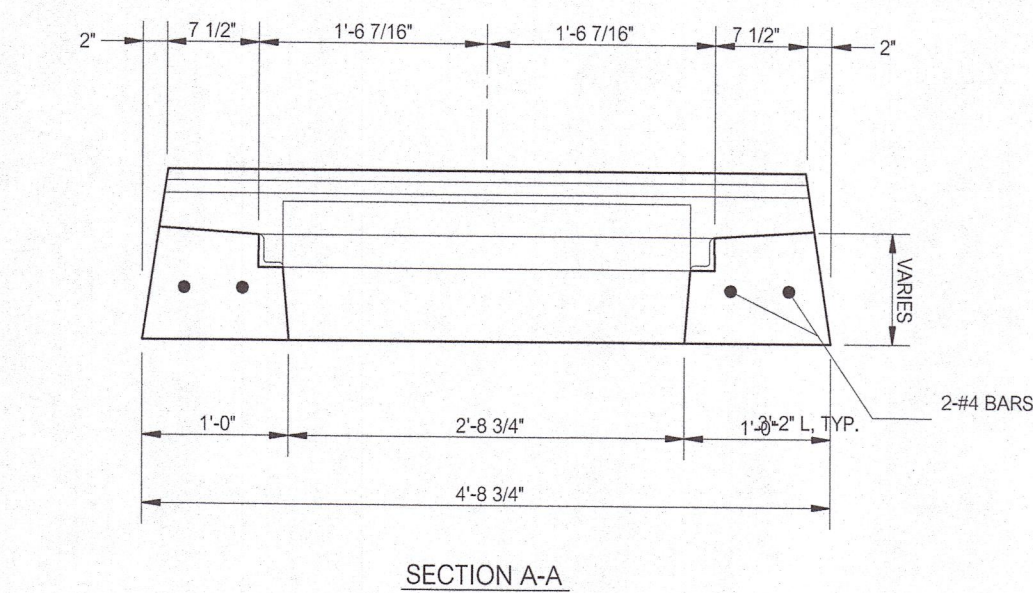
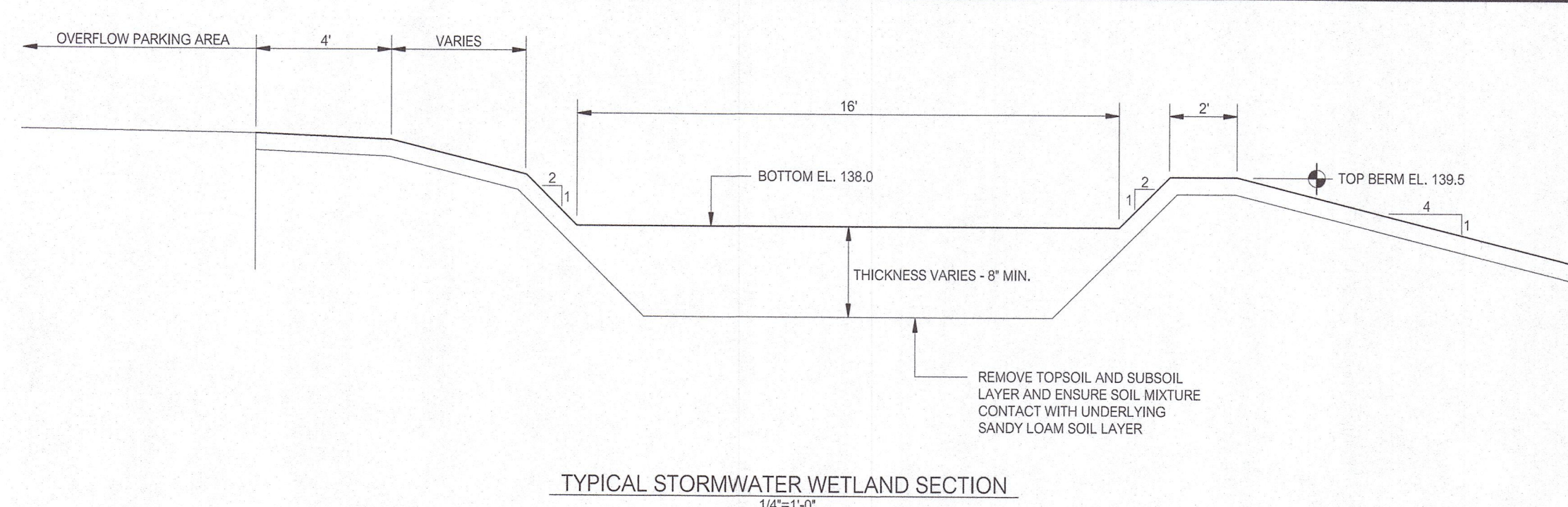
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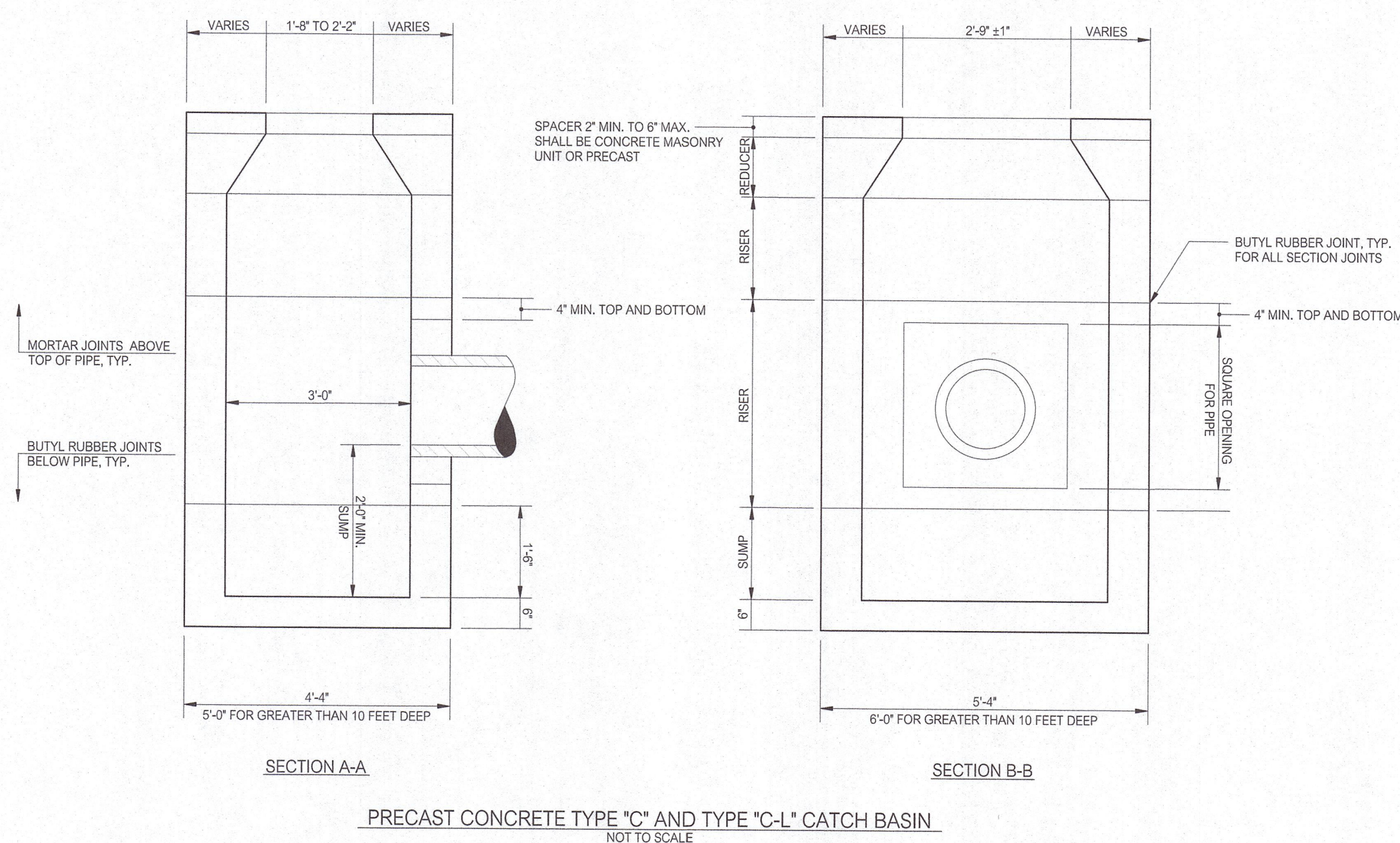
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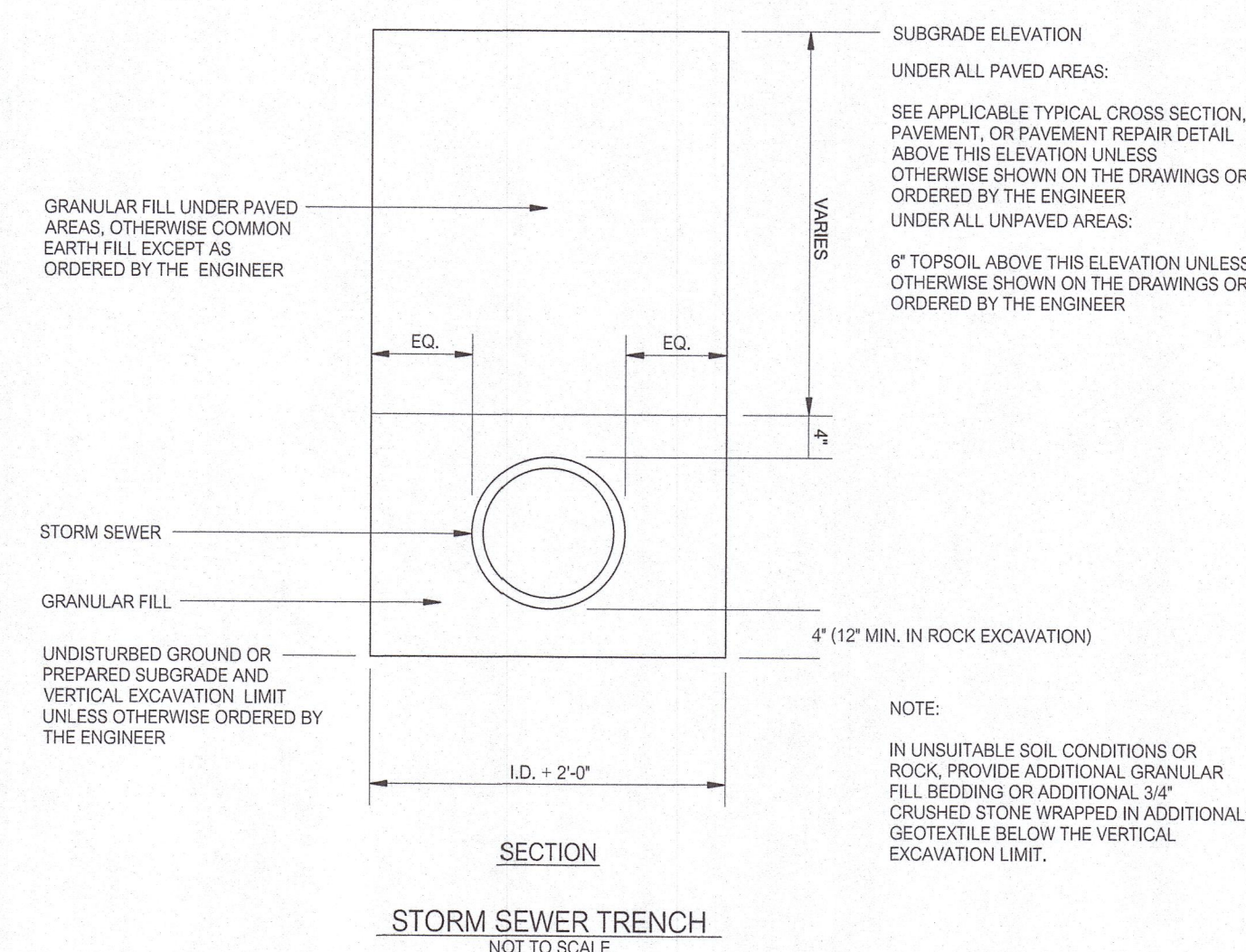
PROJECT: CONGREGATION BETH-EL SYNAGOGUE			
DATE: 11-1-25	SHEET: SITE LAYOUT PLAN		SHEET NO.: C-202
SCALE: 1"=40'			
DESIGNED: MJO			
CHECKED: LJM	FIELD BOOK: -	PROJECT NO.: 23-20	

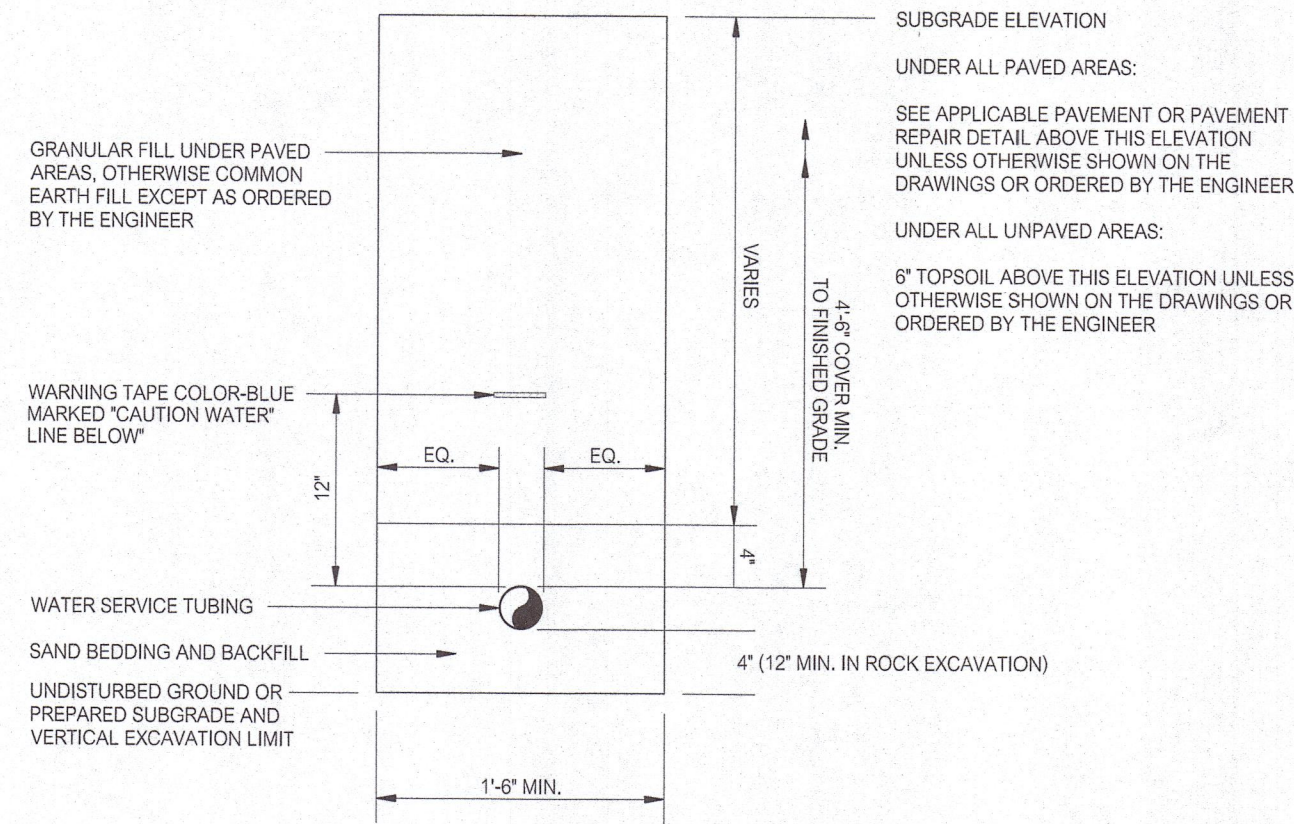


DIMENSIONS FOR METAL CULVERT END						
PIPE DIA.	A MAX	B MAX	H ± 1"	L ± 1 1/2"	W ± 2"	THICKNESS (INCHES)
12	6	6	6	21	24	.064
15	7	8	6	26	30	.064
18	8	10	6	31	36	.064
21	9	12	6	36	42	.064
24	10	13	6	41	48	.064
30	12	16	8	51	60	.079
36	14	19	9	60	72	.079

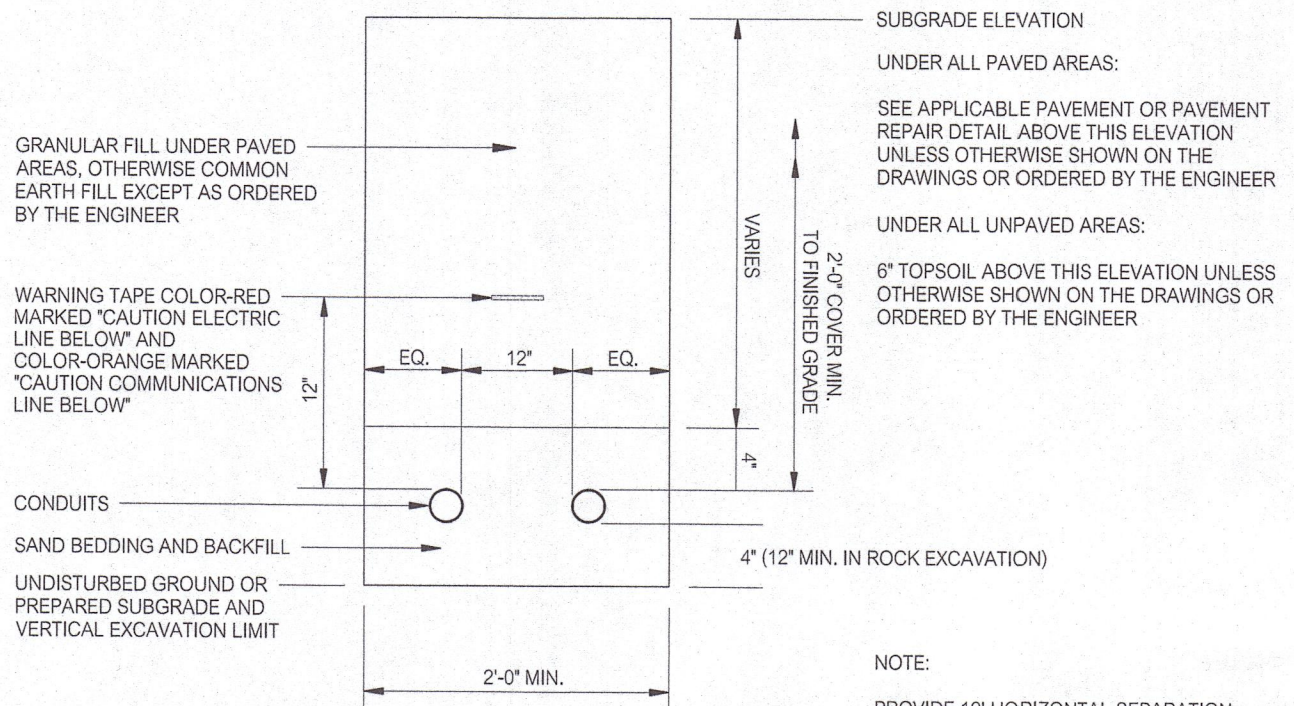


- NOTES:
1. WELDED WIRE FABRIC WITH AN EQUAL OR GREATER THAN THE REINFORCING SHOWN MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.
2. ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2 INCHES EXCEPT FOR BENEATH BOTTOM REINFORCEMENT ON TOP SLABS, WHERE THE MINIMUM MAY BE 1-1/2 INCHES.
3. WALL THICKNESS OF ALL CATCH BASINS OVER 10 FEET DEEP SHALL BE INCREASED TO 12 INCHES. INSIDE REINFORCEMENT SHALL REMAIN THE SAME. THE 12 INCH THICKNESS SHALL START AFTER THE FIRST 10 FEET.
4. BASES AND RISERS AT A DEPTH OF 20 FEET AND GREATER SHALL BE DESIGNED BY THE CONTRACTOR AND REINFORCEMENT DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
5. RISERS MAY BE PREFABRICATED WITH PIPE OPENINGS IN ALL FOUR WALLS. ADEQUATE REINFORCING AROUND PIPE OPENINGS SHALL BE PROVIDED. RISERS USED FOR WALKING SHALL BE DESIGNED TO SUPPORT LOADS AND MUST BE FORMED UP WITH BLOCK AS DIRECTED BY THE ENGINEER.
6. RISERS SHALL NEVER HAVE CORNER PIPE ENTRIES. ROUND STRUCTURES SHALL BE USED WHEN PIPES CANNOT ALIGN WITH A RECTANGULAR STRUCTURE KNOCKOUT.
7. SHRINKAGE AND TEMPERATURE REINFORCEMENT SHALL BE PROVIDED IN THE TOPS OF SLABS. THE TOTAL AREA OF REINFORCEMENT SHALL BE NOT LESS THAN 0.00125 SQUARE INCHES PER FOOT IN EACH DIRECTION. THE MAXIMUM SPACING OF THE REINFORCEMENT SHALL NOT EXCEED 18 INCHES.

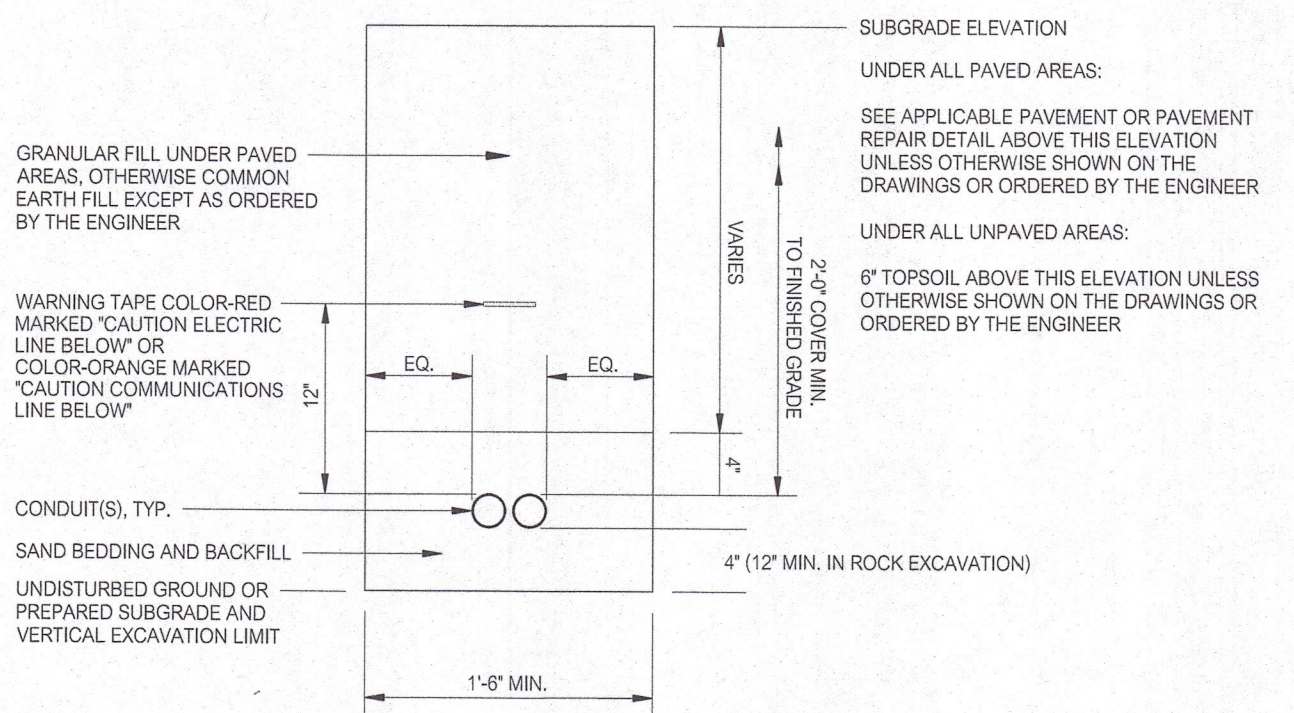




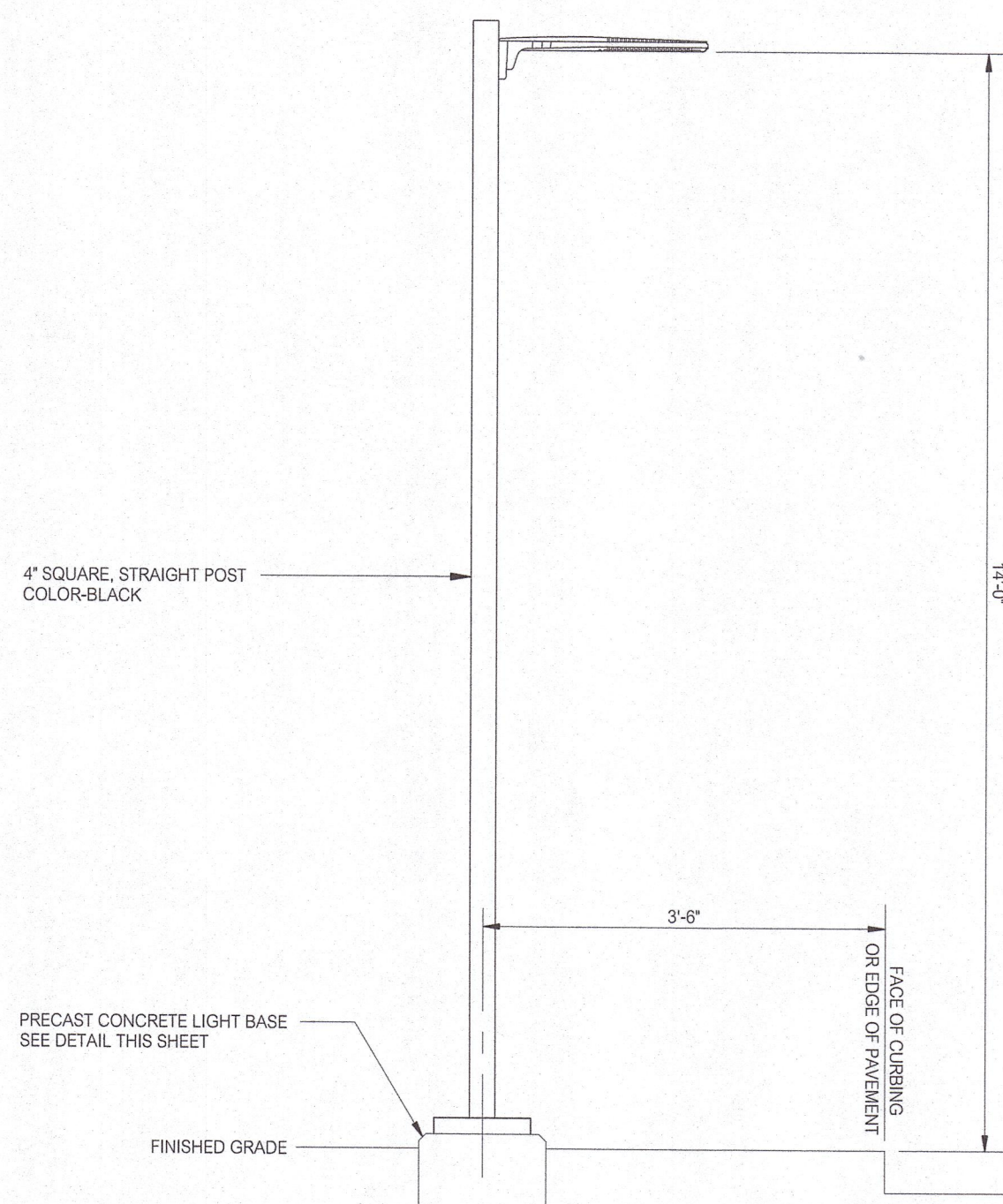
SECTION
WATER SERVICE TRENCH
NOT TO SCALE



SECTION
COMBINATION ELECTRICAL AND COMMUNICATIONS CONDUIT TRENCH
NOT TO SCALE

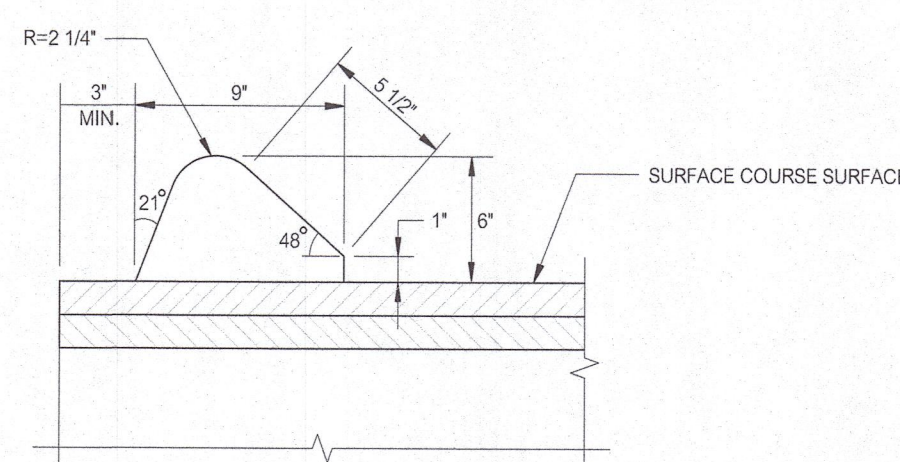


SECTION
ELECTRICAL OR COMMUNICATIONS CONDUIT TRENCH
NOT TO SCALE

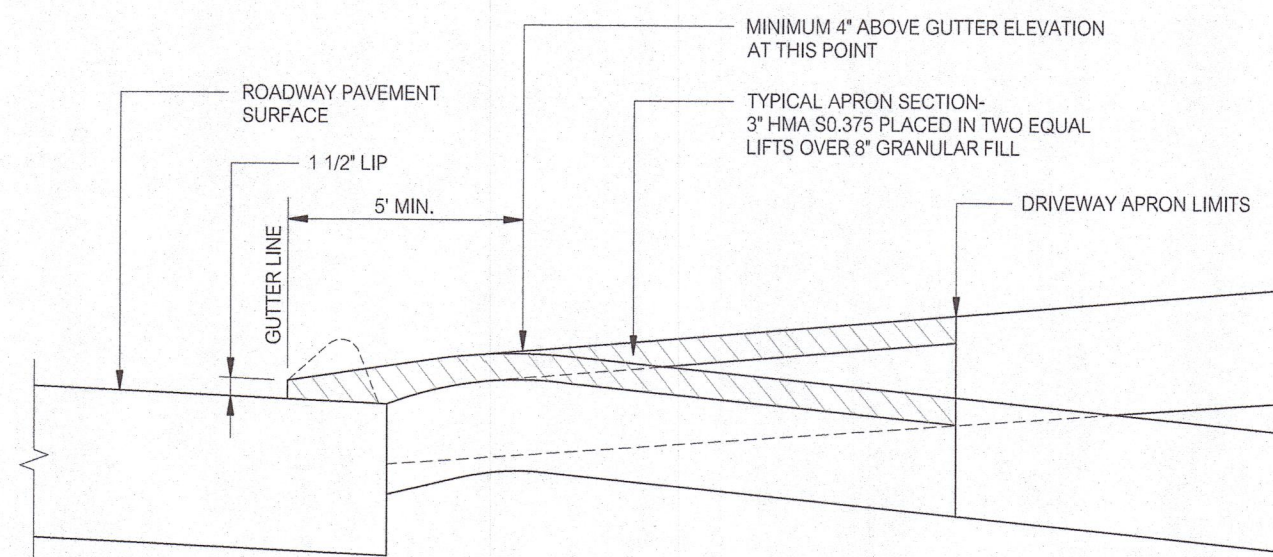


PARKING AREA LIGHTING
NOT TO SCALE

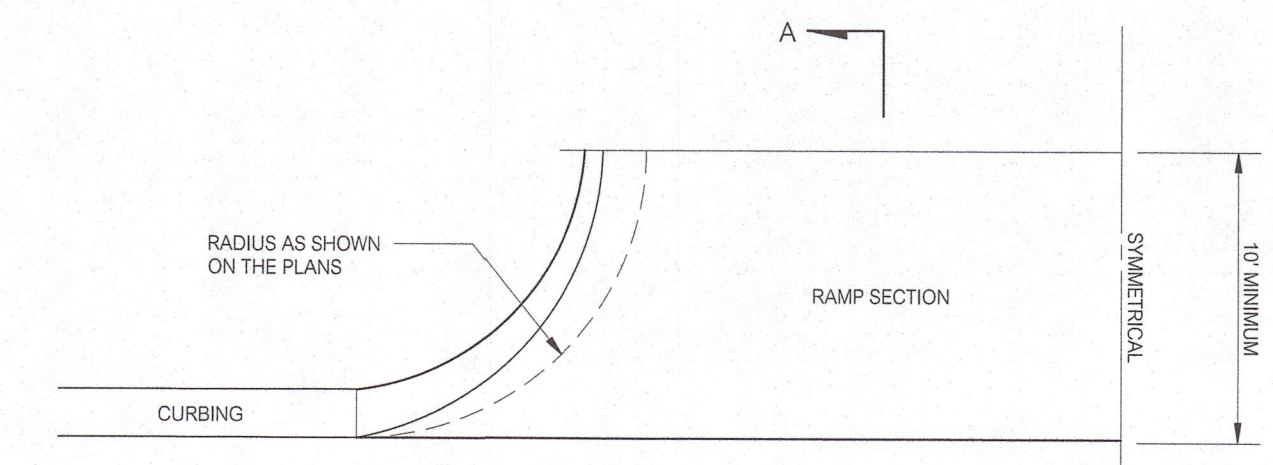
- NOTES:
1. LUMINAIRE: GARCO ECOFORM ECF-S ECF-S-32L-365mA-WW-G2 3000K. FINISH COLOR-BLACK.
 2. CONTROL: PHOTOMETRIC ON AND TIMER OFF.
 3. REFERENCE SHEET C-201 GENERAL PLAN FOR PARKING AREA LIGHTING LOCATIONS.



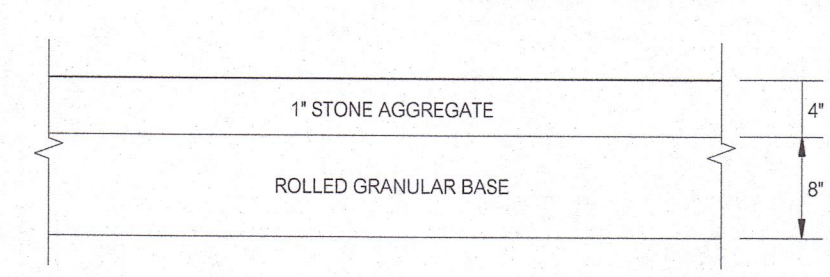
SECTION
BITUMINOUS CONCRETE LIP CURBING
NOT TO SCALE



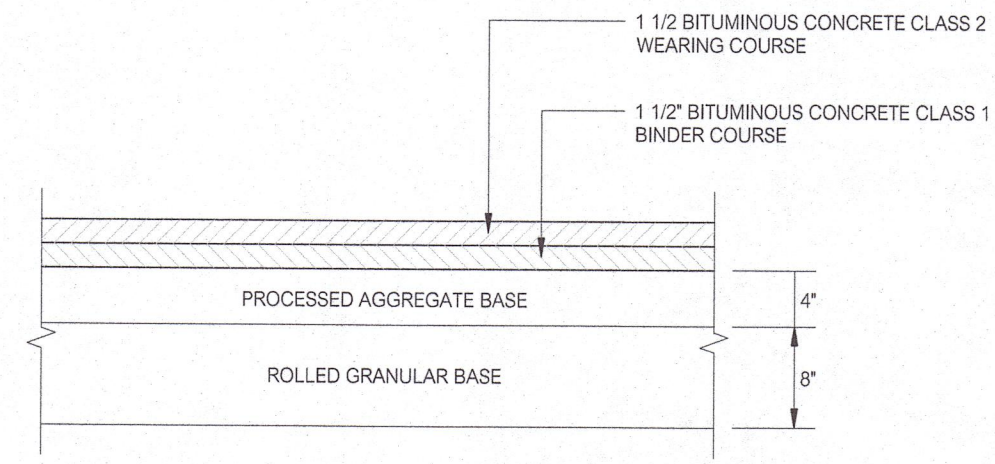
SECTION A-A



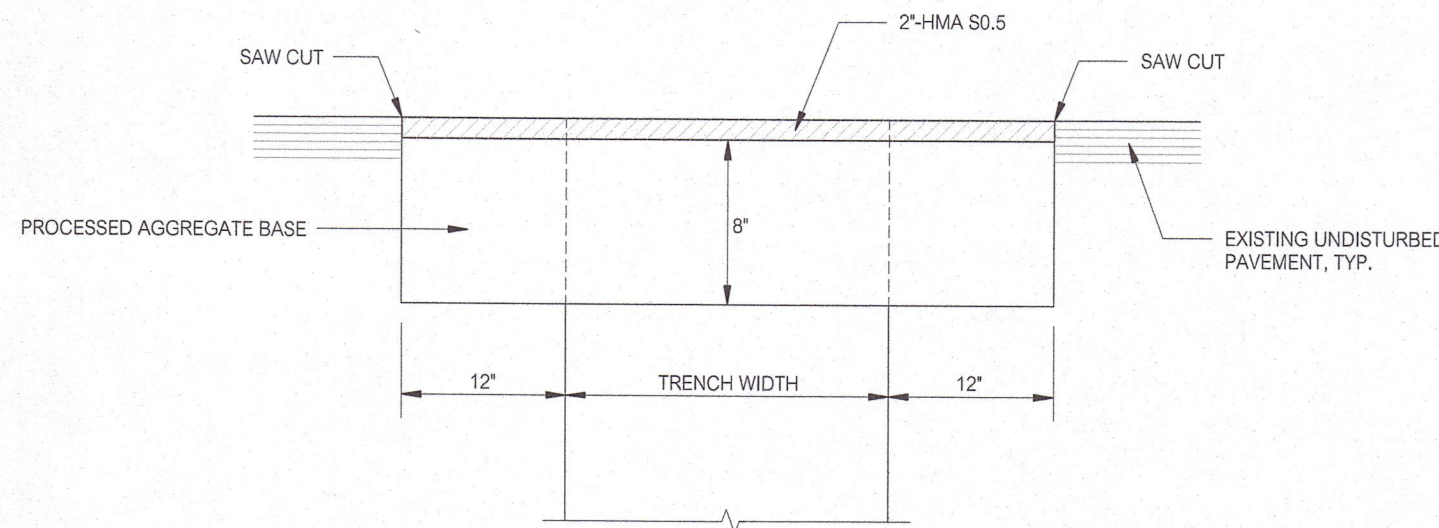
HALF PLAN
BITUMINOUS CONCRETE DRIVEWAY APRON
NOT TO SCALE



OVERFLOW PARKING AREA SECTION
NOT TO SCALE

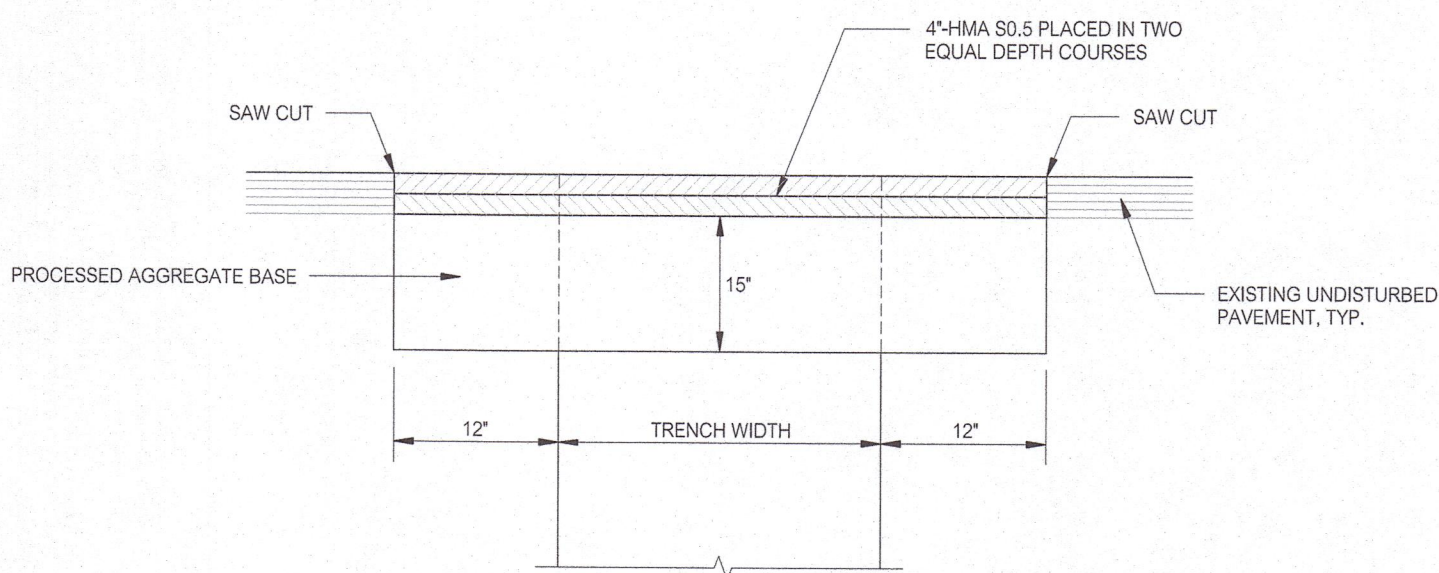


DRIVEWAY AND PARKING AREA PAVEMENT SECTION
NOT TO SCALE



SECTION
TEMPORARY PAVEMENT TRENCH REPAIR
NOT TO SCALE

- NOTE:
- MATCH EXISTING ADJOINING PAVEMENT SURFACES WITH TEMPORARY PAVEMENT.



SECTION
PERMANENT PAVEMENT REPAIR PERPENDICULAR TRENCHES
NOT TO SCALE

- NOTES:
1. CLEAN SAW CUT SURFACES OF EXISTING PAVEMENT AND APPLY BITUMINOUS TACK COAT JUST PRIOR TO PLACEMENT OF PERMANENT PAVEMENT.
 2. MATCH EXISTING ADJOINING PAVEMENT SURFACES WITH PERMANENT PAVEMENT.
 3. SEAL SAW CUT JOINTS USING SEALANT MEETING THE REQUIREMENTS OF AASHTO M324 TYPE II, LATEST REVISION.

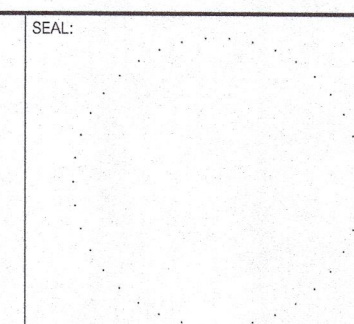
PERMIT DRAWINGS

REVISIONS			TITLE:
NO.	DATE	DESCRIPTION	
REVISIONS			

LAND
OF
CONGREGATION BETH-EL, INC.
33 KENYON ROAD
WATERFORD, CONNECTICUT

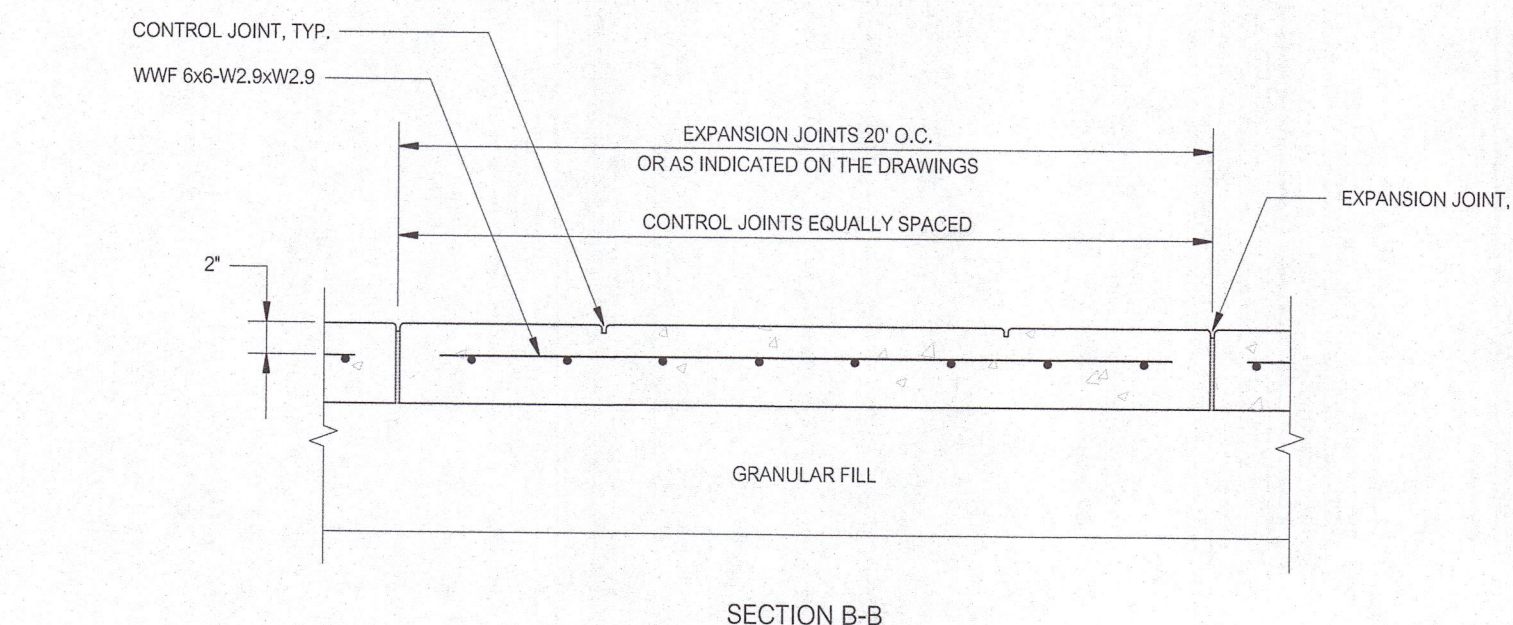
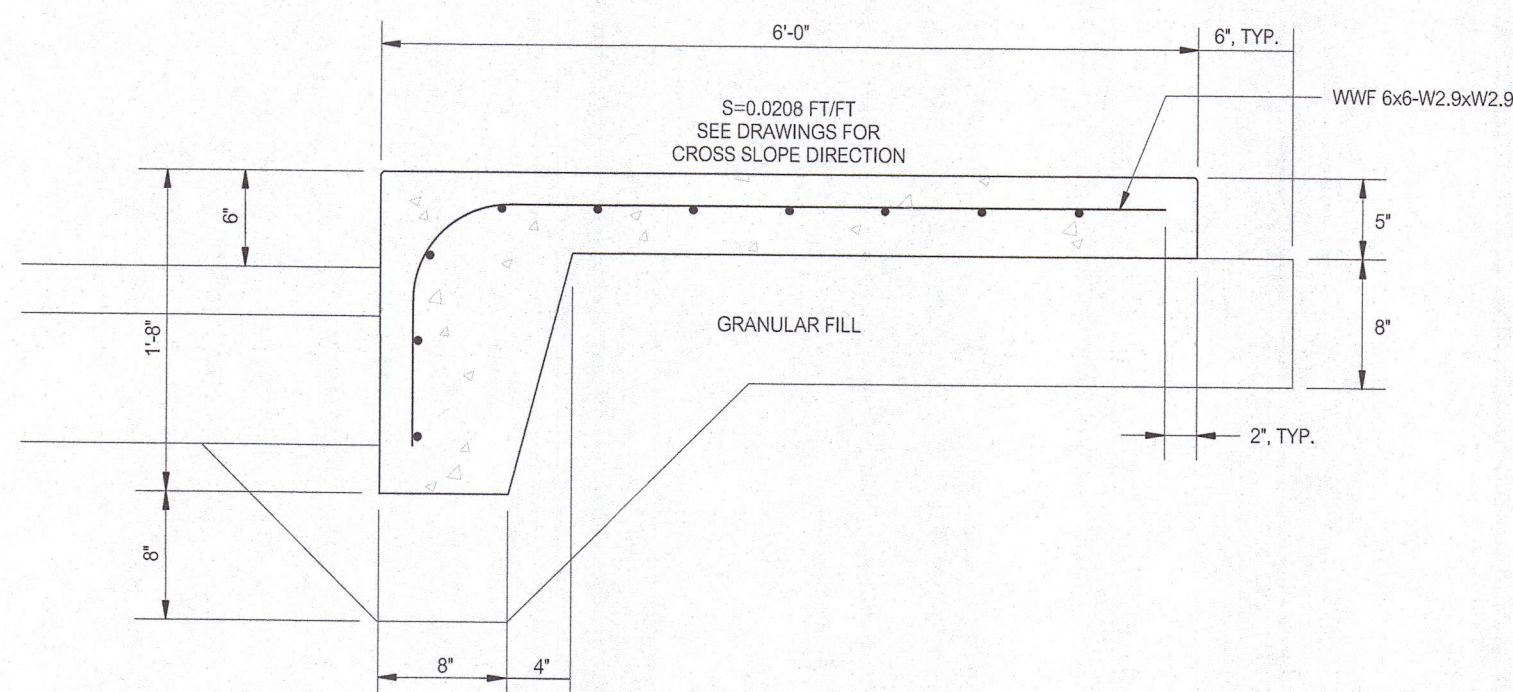
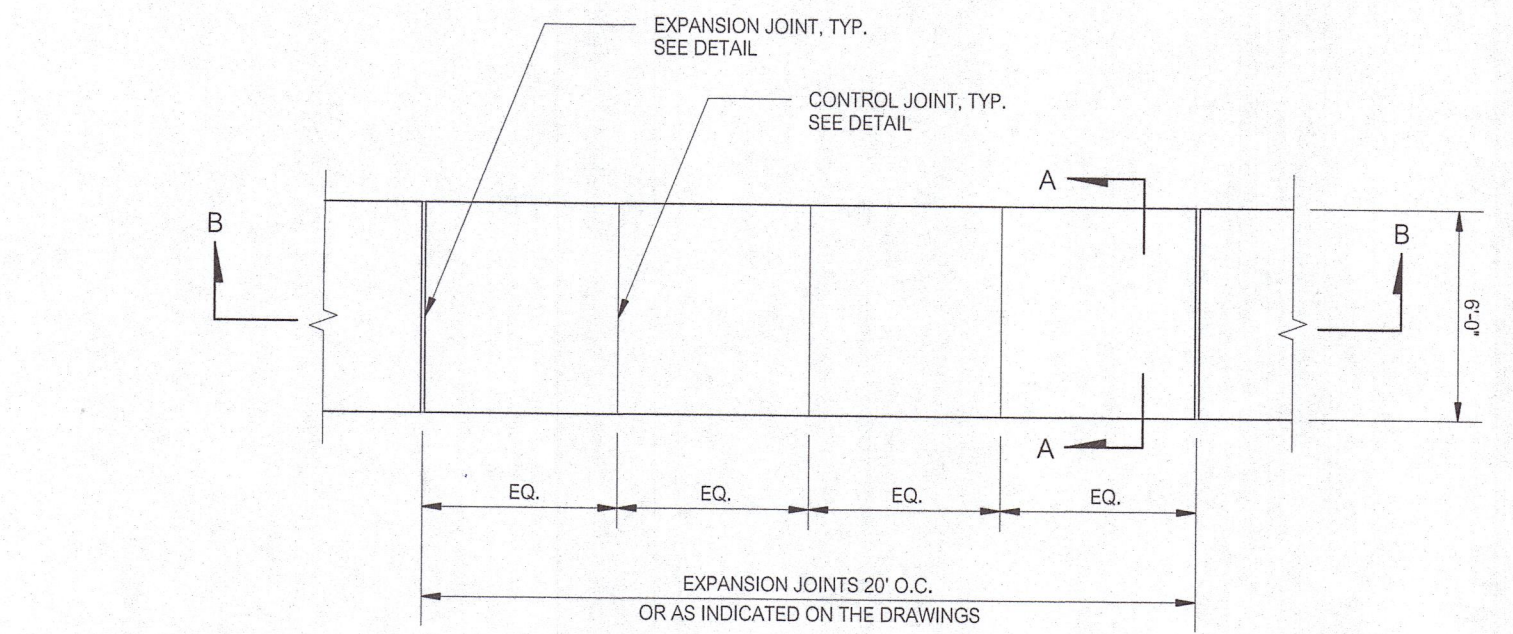
DRAWING PHASE:

ISSUED FOR PERMITTING
DATE: 11-7-25



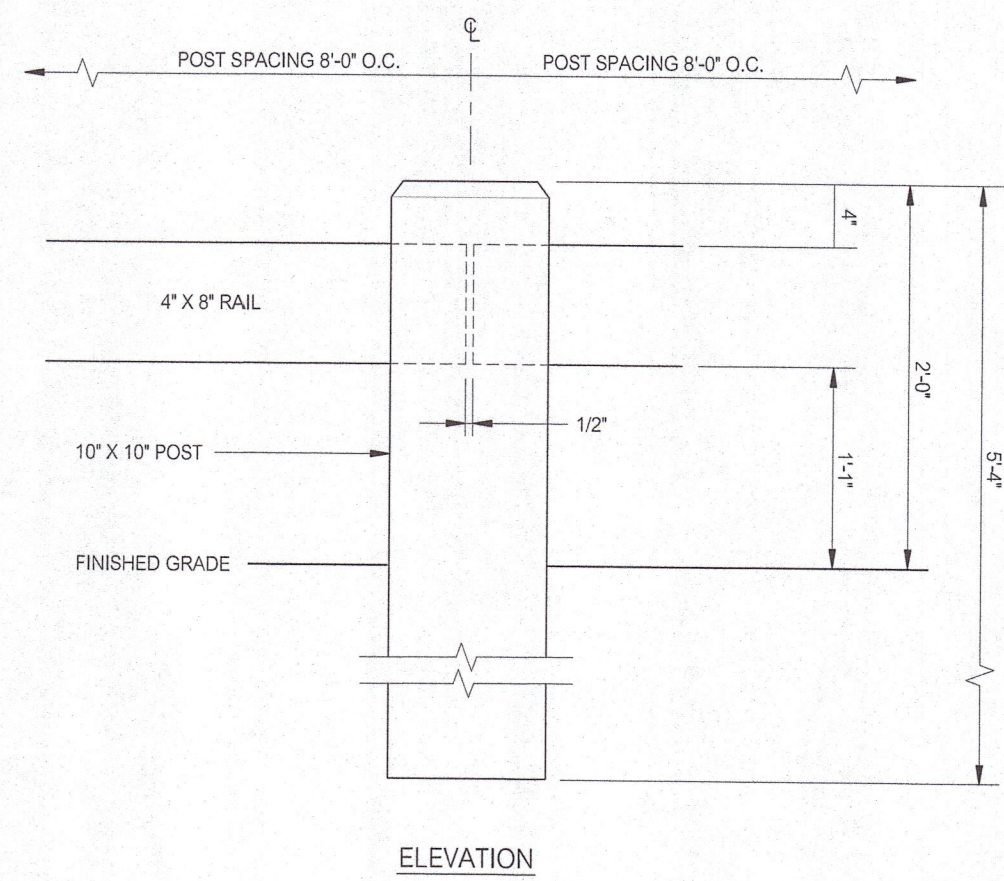
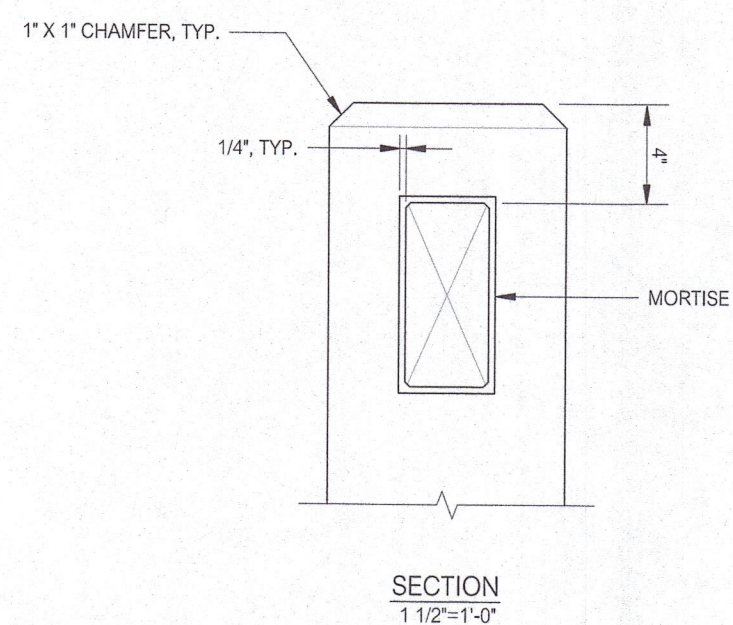
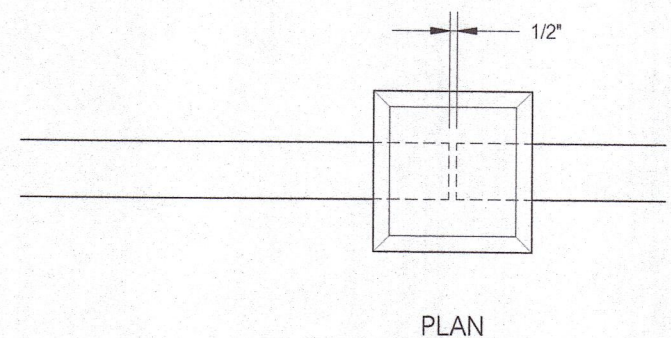
PREPARED BY:
Summer Hill
Civil Engineers & Land Surveyors, P.C.
60 Wall Street
P.O. Box 708
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

PROJECT: CONGREGATION BETH-EL SYNAGOGUE				SHEET NO.: C-302
DATE: 11-1-25	SHEET:	DETAILS		
SCALE: AS NOTED				
DESIGNED: MJO				
CHECKED: LJM	FIELD BOOK:	PROJECT NO.: 23-20		

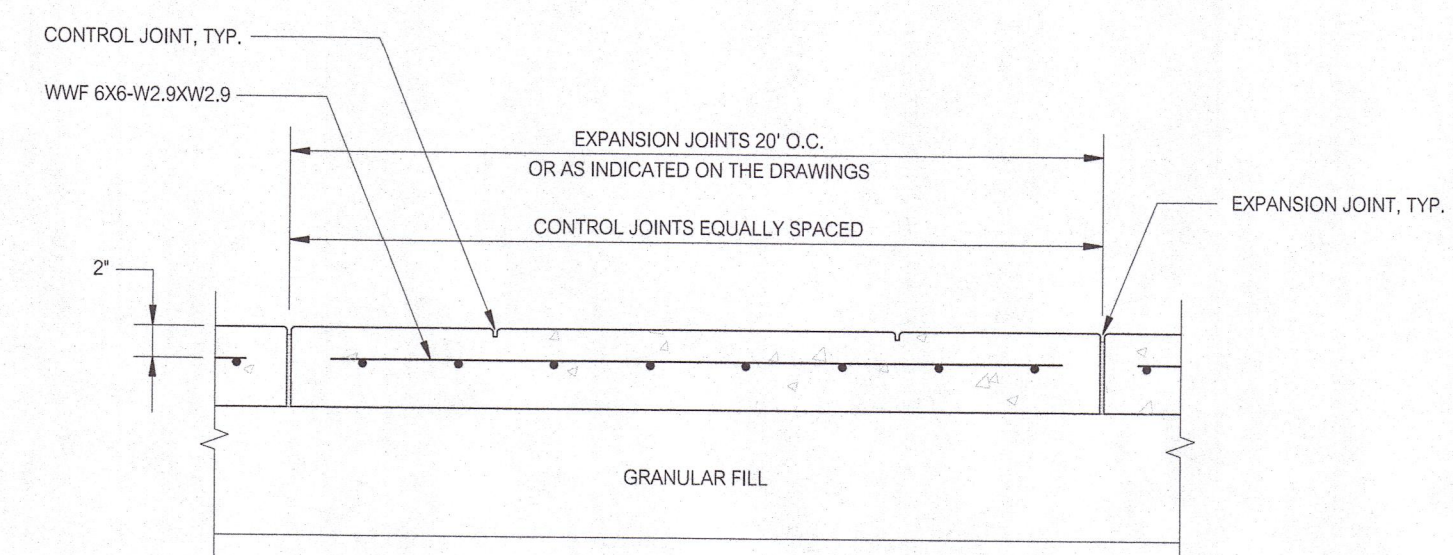
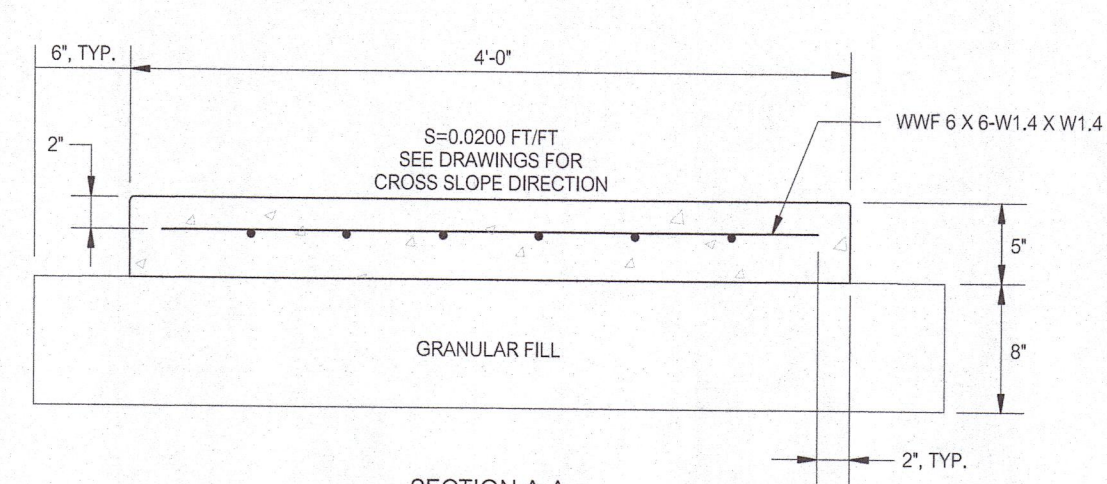
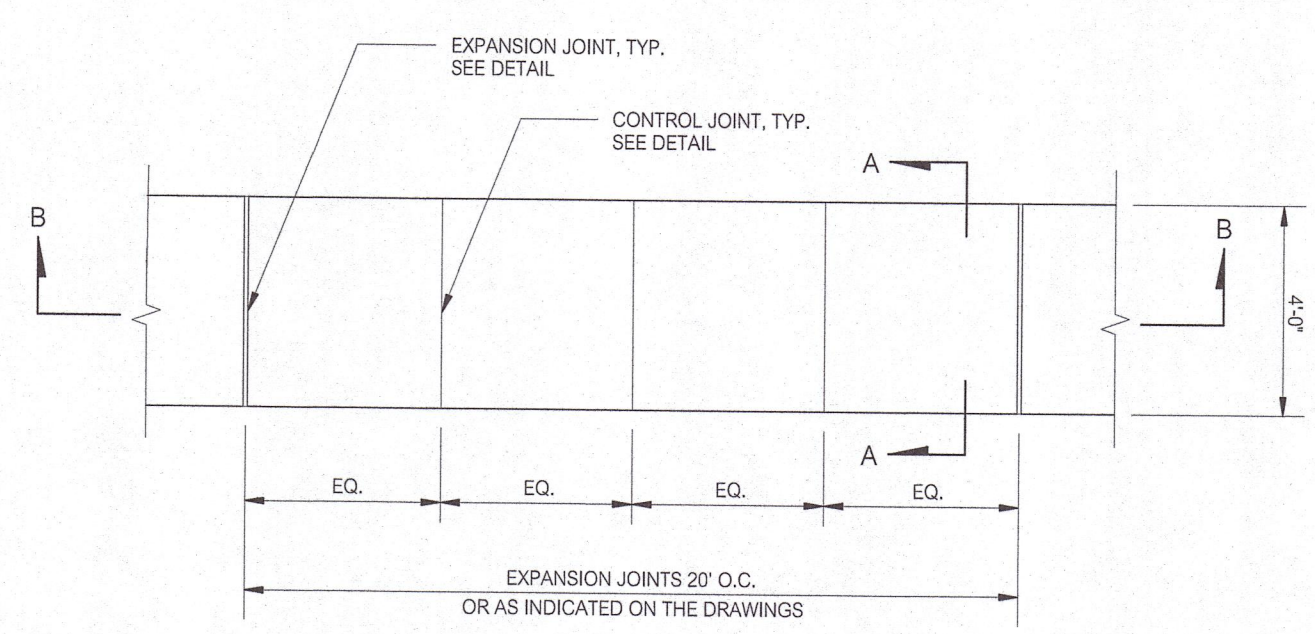


INTEGRAL CONCRETE SIDEWALK AND CURB
NOT TO SCALE

- NOTES:
- JOINTS LOCATIONS MAY BE VARIED IN THE FIELD BY THE ENGINEER.
 - SIDEWALK EDGES AND ALONG JOINTS SHALL BE EDGED WITH A 1/4" RADIUS EDGING TOOL.
 - SIDEWALK SURFACE SHALL RECEIVE A LIGHT BROOM FINISH IN THE TRANSVERSE DIRECTION. BROOM SURFACE AFTER EDGING ALL SIDEWALK EDGES AND ALONG JOINTS TO REMOVE EDGING TOOL LINES.
 - SIDEWALK FINISHED SURFACES SHALL MATCH ADJOINING PAVEMENT, SIDEWALK, OR LANDSCAPED AREA FINISHED SURFACES.

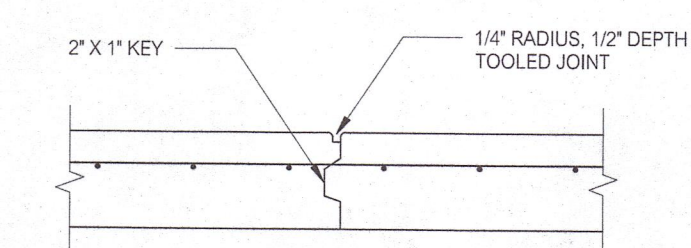


TIMBER POST AND RAIL FENCE
1'-0"

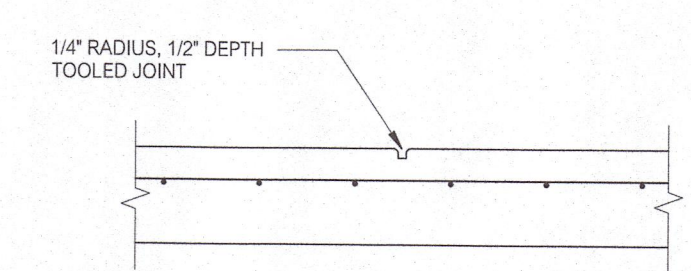


CONCRETE SIDEWALK
NOT TO SCALE

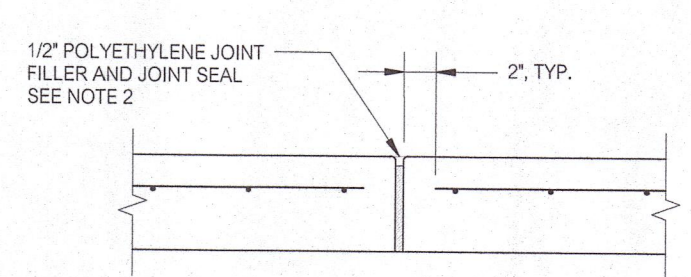
- NOTES:
- JOINTS LOCATIONS MAY BE VARIED IN THE FIELD BY THE ENGINEER.
 - SIDEWALK EDGES AND ALONG JOINTS SHALL BE EDGED WITH A 1/4" RADIUS EDGING TOOL.
 - SIDEWALK SURFACE SHALL RECEIVE A LIGHT BROOM FINISH IN THE TRANSVERSE DIRECTION. BROOM SURFACE AFTER EDGING ALL SIDEWALK EDGES AND ALONG JOINTS TO REMOVE EDGING TOOL LINES.
 - SIDEWALK FINISHED SURFACES SHALL MATCH ADJOINING PAVEMENT, SIDEWALK, OR LANDSCAPED AREA FINISHED SURFACES.



CONSTRUCTION JOINT



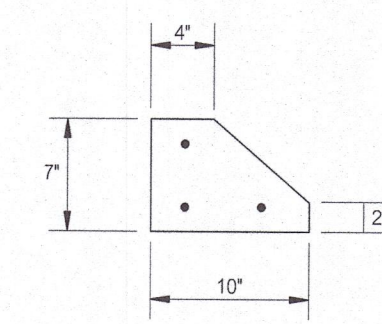
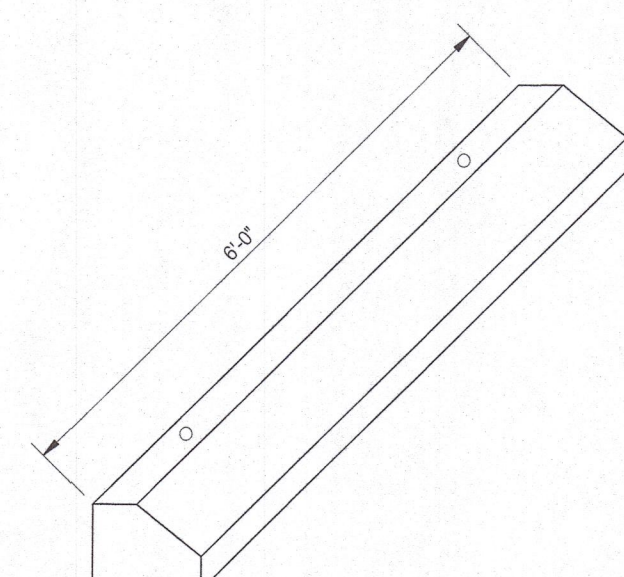
CONTROL JOINT



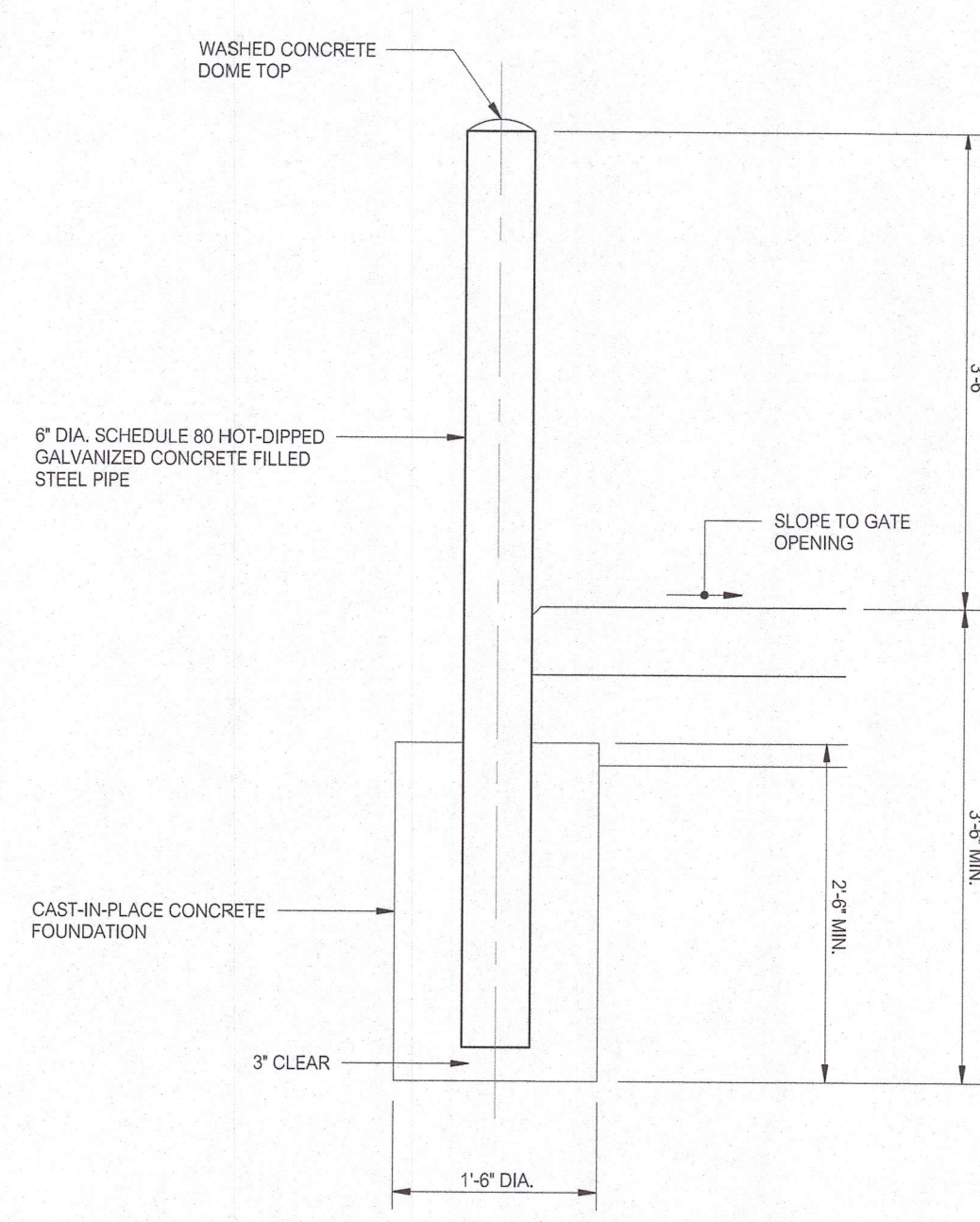
EXPANSION JOINT

CONCRETE SIDEWALK JOINTS
NOT TO SCALE

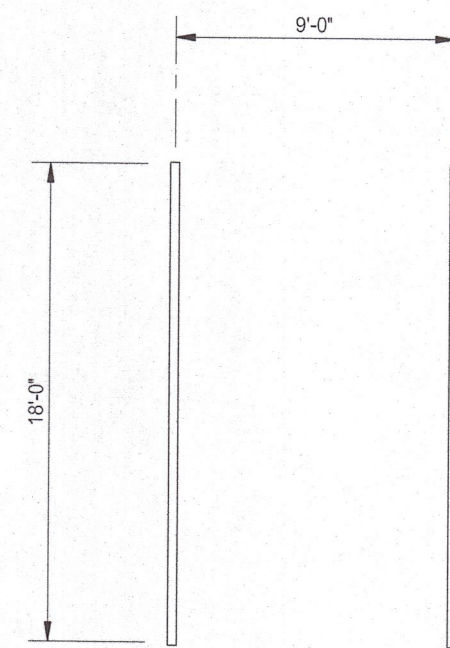
- NOTES:
- 1/4" RADIUS, 1/2" DEPTH TOOLED JOINT AT CONSTRUCTION, CONTROL, AND EXPANSION JOINTS.
 - SET TOP OF JOINT FILLER 1/2" BELOW FINISHED SIDEWALK SURFACE AT EXPANSION JOINTS. APPLY JOINT SEALANT FLUSH WITH TOP OF FINISHED SIDEWALK SURFACE.



PRECAST CONCRETE WHEEL STOP
NOT TO SCALE

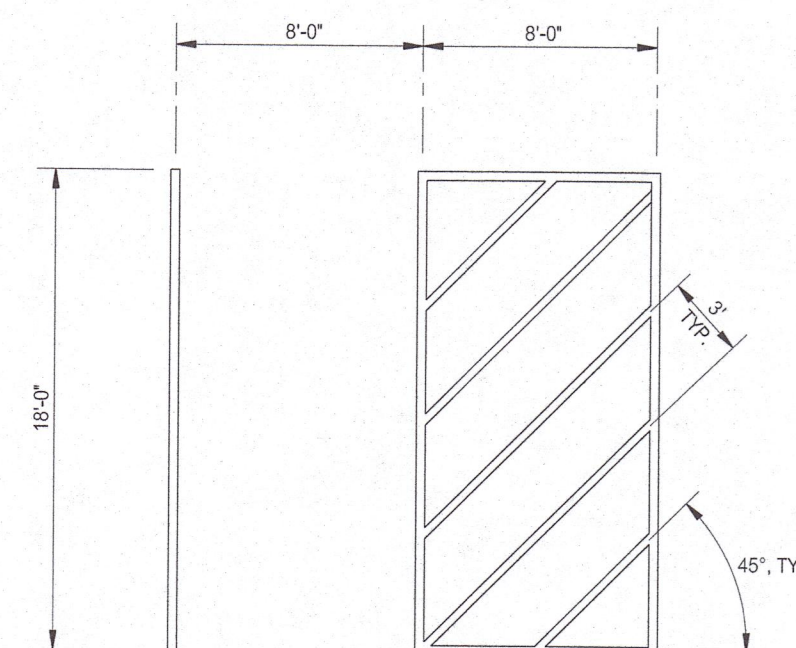


PIPE BOLLARD
3/4" x 1'-0"



STANDARD PARKING STALL
NOT TO SCALE

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

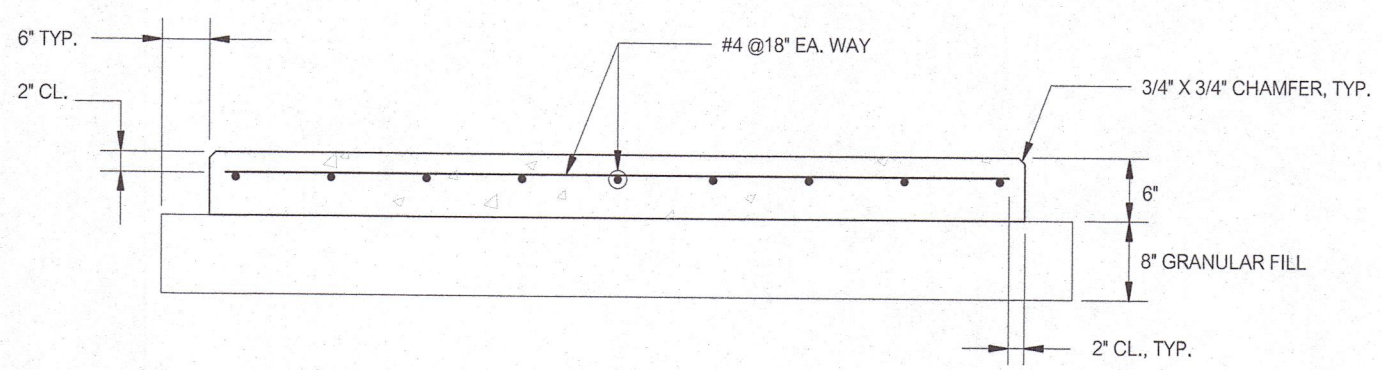


VAN RESERVED PARKING STALL
NOT TO SCALE

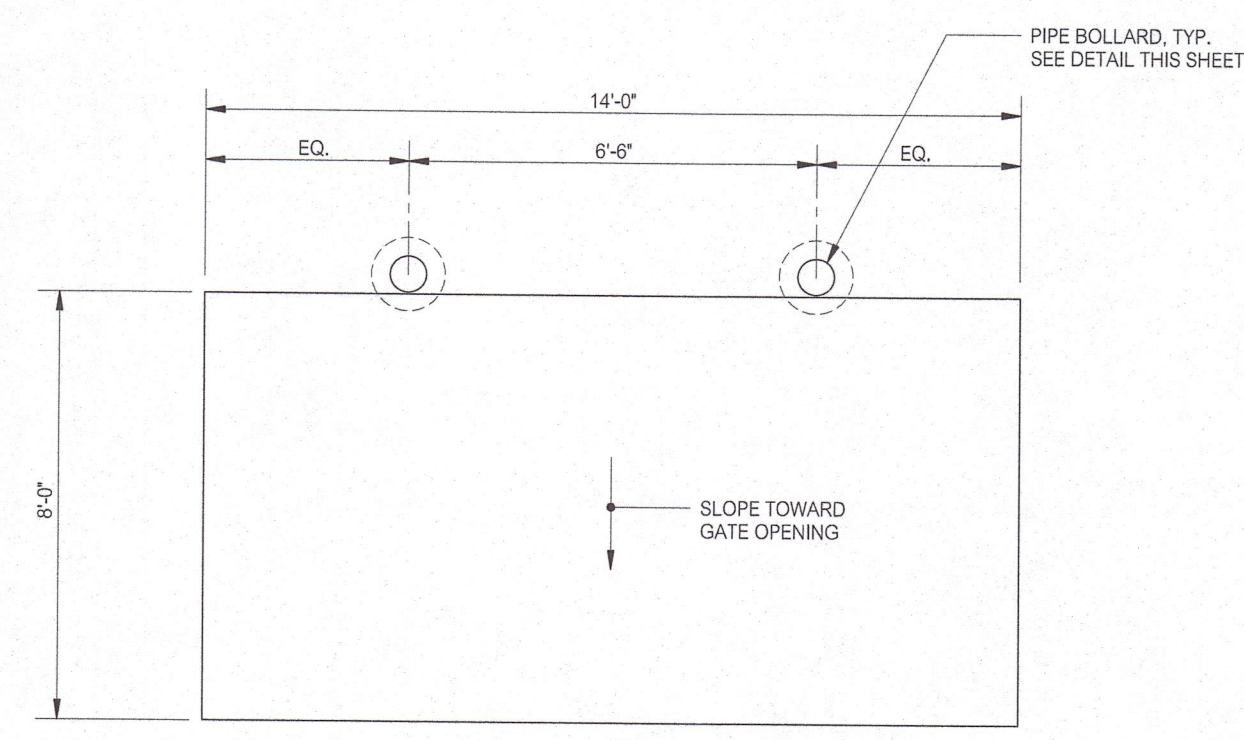
- NOTES:
- ALL LINES SHALL BE 4" WIDE, COLOR-WHITE.
 - THE SLOPE OF THE PAVEMENT SURFACE WITHIN THE LIMITS OF THE RESERVED PARKING SPACE SHALL BE NO GREATER THAN 1:50 IN ANY DIRECTION.
 - STALL AND HATCHED AISLE WIDTHS SHOWN ARE MINIMUM WIDTHS.

SIGN NO. R1 (31-0552)		CUSTOM
SIZE 30" x 30"		12" x 24" 18" x 9"
MOUNTING HEIGHT 5'-0"		5'-0"

SITE SIGNAGE SCHEDULE



NOTE:
SLOPE CONCRETE PAD TOWARD GATE OPENING FOR SURFACE DRAINAGE.



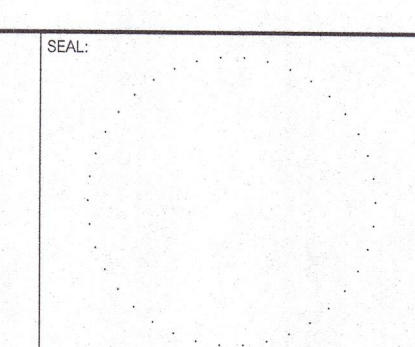
WASTE AND RECYCLING RECEPTACLE CONCRETE PAD
NOT TO SCALE

PERMIT DRAWINGS

LAND
OF
CONGREGATION BETH-EL, INC.
33 KENYON ROAD
WATERFORD, CONNECTICUT

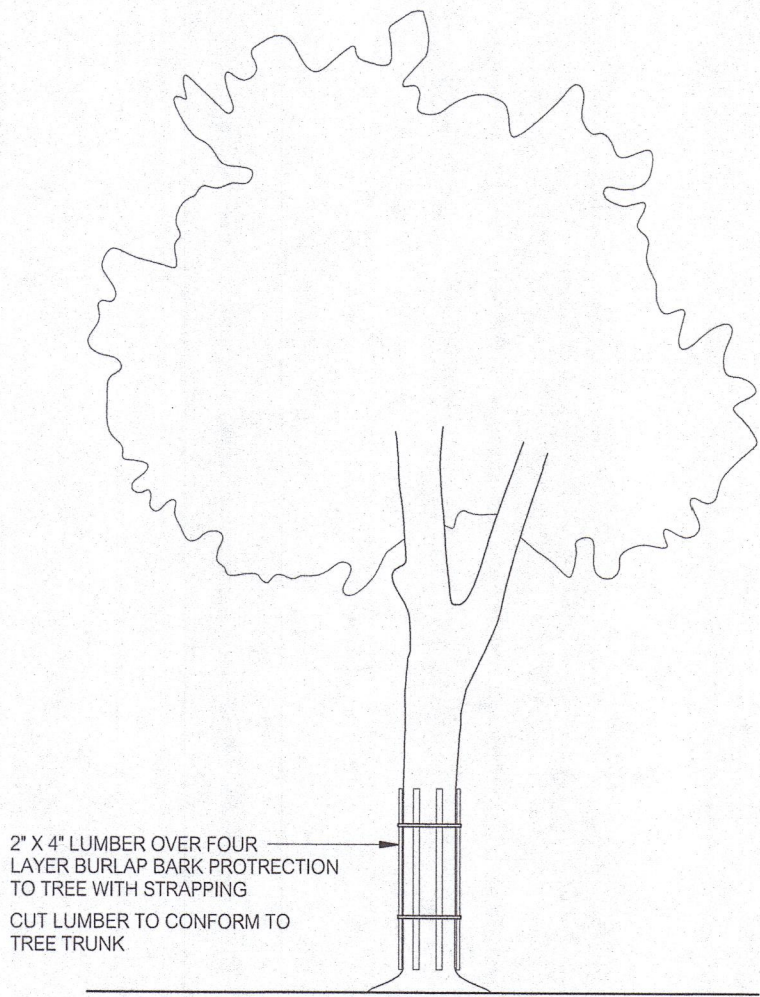
DRAWING PHASE:

ISSUED FOR PERMITTING
DATE: 11-7-25



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: CONGREGATION BETH-EL SYNAGOGUE		SHEET NO.: C-303
DATE: 11-1-25	SHEET: DETAILS	
SCALE: AS NOTED		
DESIGNED: MJO		
CHECKED: LJM	FIELD BOOK: -	PROJECT NO.: 23-20



ELEVATION

TP TRUNK ARMORING TREE PROTECTION
NOT TO SCALE

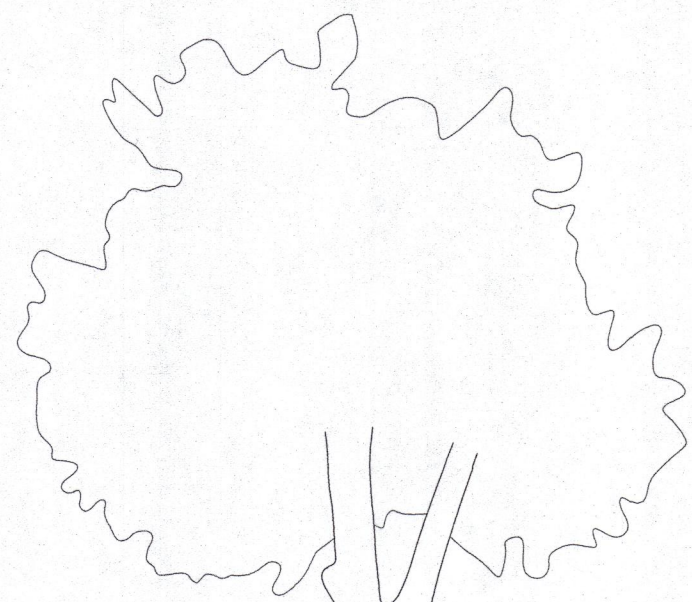
NOTES:

1. DETAIL APPLIES WHERE A CRITICAL ROOT PROTECTION ZONE EQUAL TO A CIRCULAR AREA WITH A DIAMETER EQUAL TO 10 TIMES THE DIAMETER OF THE TREE AT BREAST HEIGHT NOT BE FENCED.
2. SECURE OVERHANGING TREE BRANCHES IF POSSIBLE TO PREVENT VEHICLE AND EQUIPMENT DAMAGE.
3. MAINTAIN TREE PROTECTION UNTIL ALL CONSTRUCTION ACTIVITIES REQUIRING THE USE OF EQUIPMENT AND VEHICLES AND STOCKPILING OF MATERIALS IN THE VICINITY OF THE PROTECTED TREE ARE COMPLETE.

CONSTRUCTION SAFETY FENCING, COLOR-ORANGE

TREE PROTECTION ZONE

PLAN



ELEVATION

TP FENCING TREE PROTECTION
NOT TO SCALE

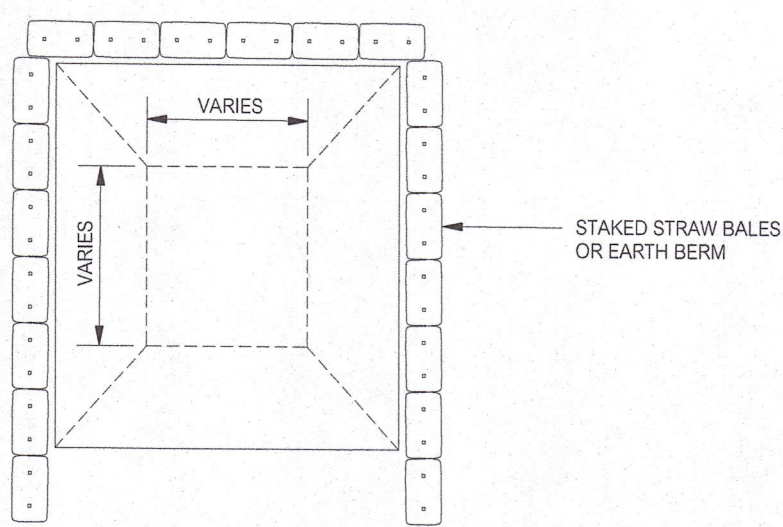
NOTES:

1. TREE PROTECTION ZONE EQUAL TO A CIRCULAR AREA WITH A DIAMETER EQUAL TO 20 TIMES THE DIAMETER OF THE TREE AT BREAST HEIGHT.
2. CRITICAL ROOT PROTECTION ZONE EQUAL TO A CIRCULAR AREA WITH A DIAMETER EQUAL TO 10 TIMES THE DIAMETER OF THE TREE AT BREAST HEIGHT.
3. STAKE FENCING USING WOOD OR METAL STAKES AT INTERVALS ADEQUATE TO MAINTAIN FENCING UPRIGHT.
4. MAINTAIN TREE PROTECTION UNTIL ALL CONSTRUCTION ACTIVITIES REQUIRING THE USE OF EQUIPMENT AND VEHICLES AND STOCKPILING OF MATERIALS IN THE VICINITY OF PROTECTED TREE ARE COMPLETE.

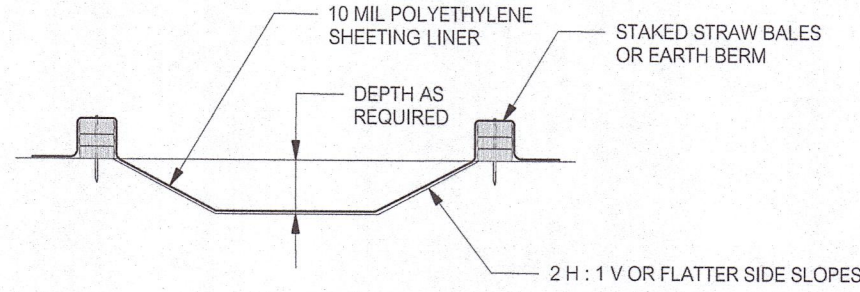
CONSTRUCTION SAFETY FENCING, COLOR-ORANGE

TREE PROTECTION ZONE

3' MIN.



PLAN

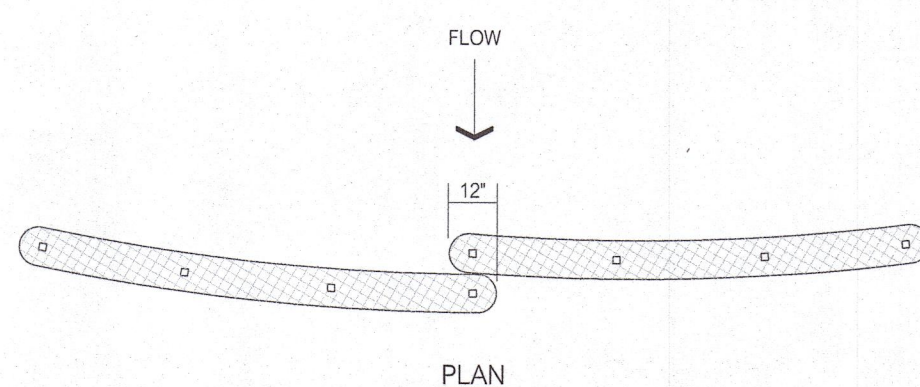


SECTION

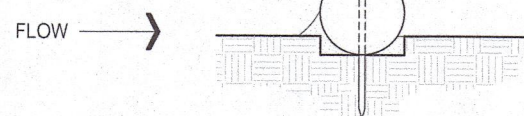
CONCRETE WASHOUT AREA
NOT TO SCALE

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.



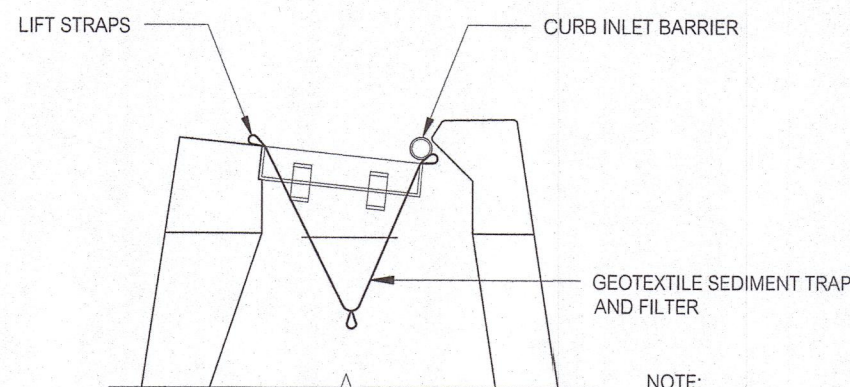
PLAN



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.

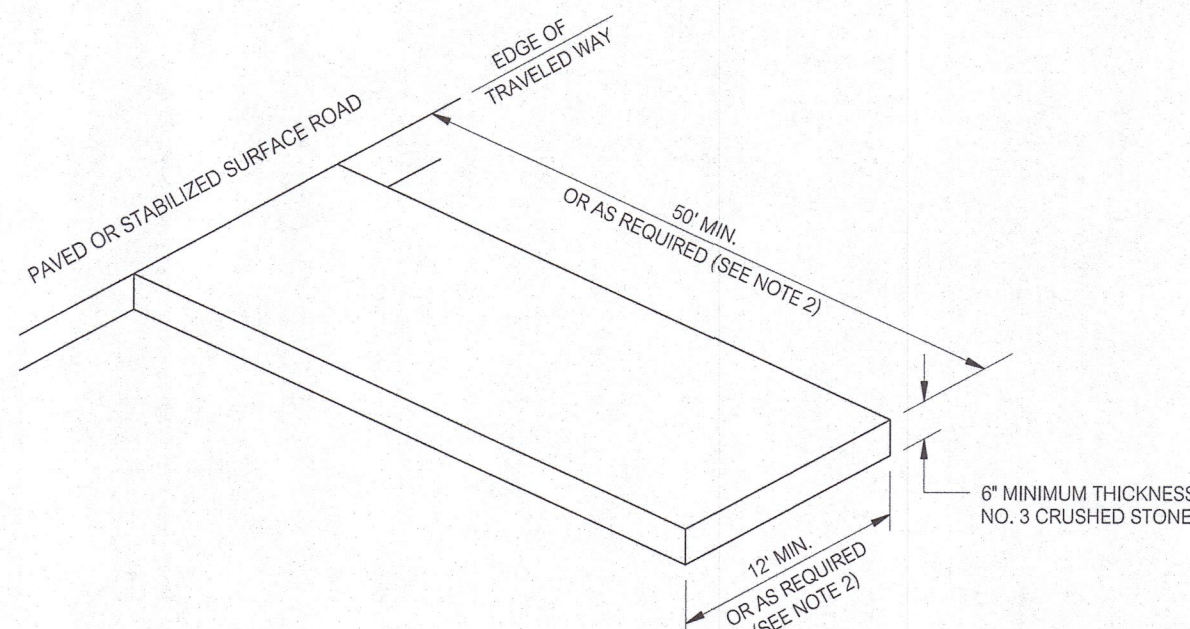


SECTION

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 OPENINGS.
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 RE-INSTALL THE SEDIMENT TRAP.

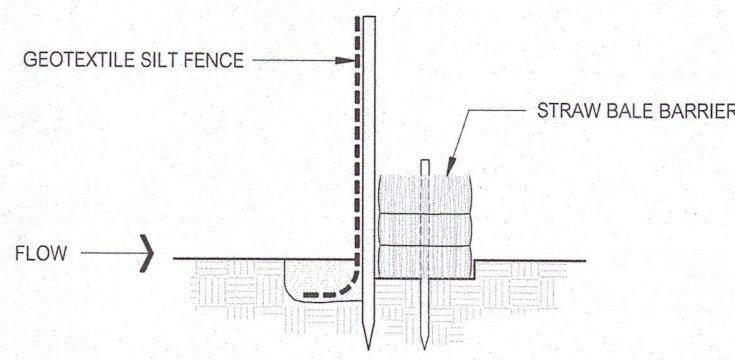
NOTE:
TYPE 'C' CATCH BASIN SHOWN. THIS DETAIL APPLIES TO ALL DRAINAGE STRUCTURE INLET TYPES SHOWN ON THE DRAWINGS.



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.

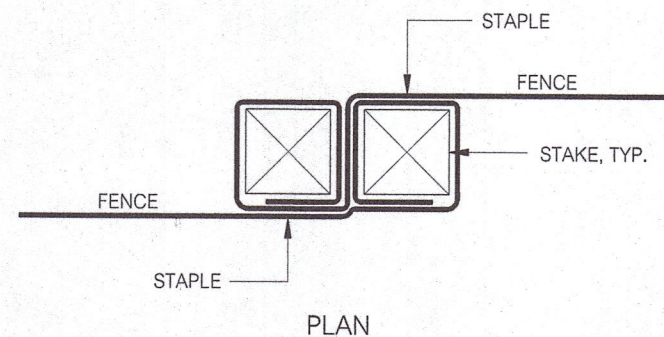


SECTION

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.

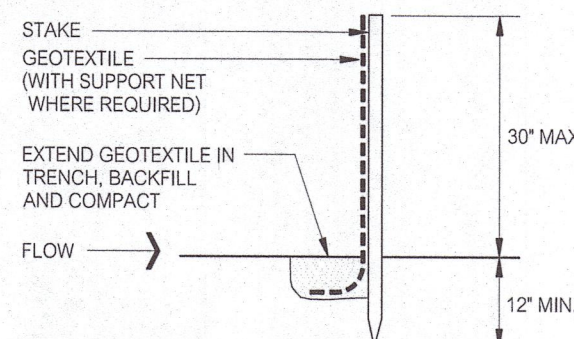


PLAN

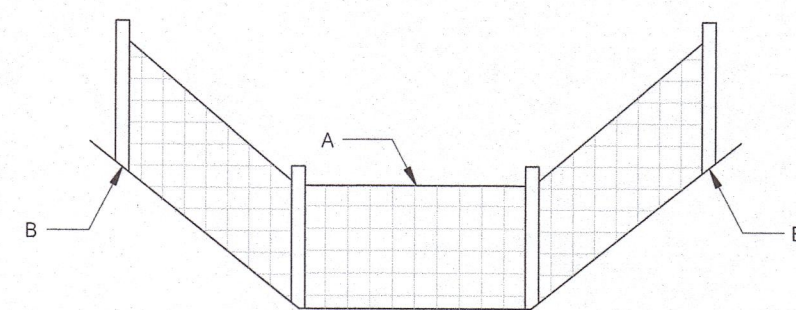
FENCE JOINT DETAIL

NOTE:

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



SECTION



ELEVATION

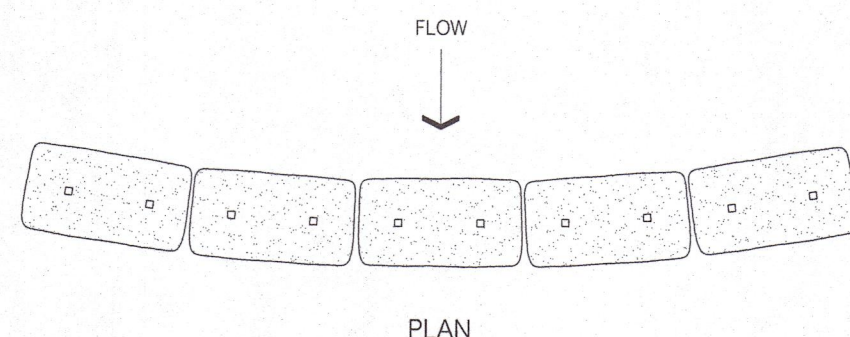
NOTE:

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

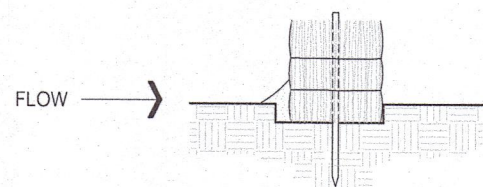
GSF GEOTEXTILE SILT FENCE
NOT TO SCALE

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		

LAND OF
CONGREGATION BETH-EL, INC.
33 KENYON ROAD
WATERFORD, CONNECTICUT

DRAWING PHASE:

ISSUED FOR PERMITTING
DATE: 11-7-25

SEAL:

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:

CONGREGATION BETH-EL
SYNAGOGUE

DATE:

11-1-25

SCALE:

AS NOTED

DESIGNED:

MAJO

CHECKED:

LJM

SHEET:

DETAILS

PROJECT NO.:

23-20

SHEET NO.:

C-304