

# TILDEN COMMONS NEW LEBANON DEVELOPMENT, LLC.

TOWN OF NEW LEBANON  
COLUMBIA COUNTY NEW YORK  
JULY 2025



Consultant

TILDEN COMMONS  
NEW LEBANON DEVELOPMENT, LLC.  
COLUMBIA COUNTY NEW YORK STATE

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Stamp



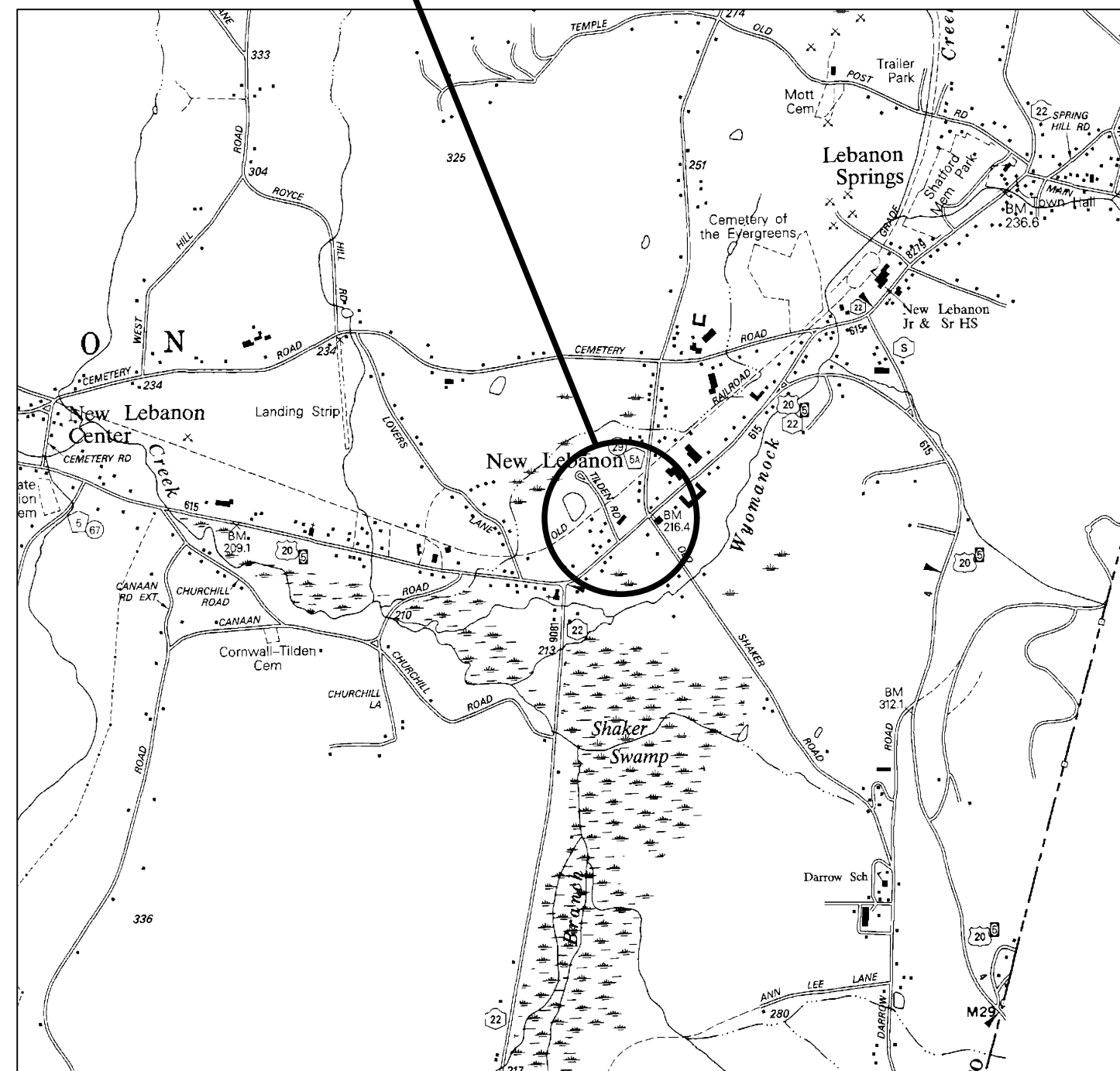
Issued	Rev.	Date	Remarks
		7/1/25	PLANNING BOARD PER PLANNING BOARD COMMENTS
		8/4/25	PER PLANNING BOARD COMMENTS
		9/2/25	PER PLANNING BOARD COMMENTS

Project Number 2024125  
 Drawn By SK  
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Sheet Title  
TITLE PAGE,  
LOCATION MAP  
AND  
DRAWING INDEX

Sheet No.  
C10

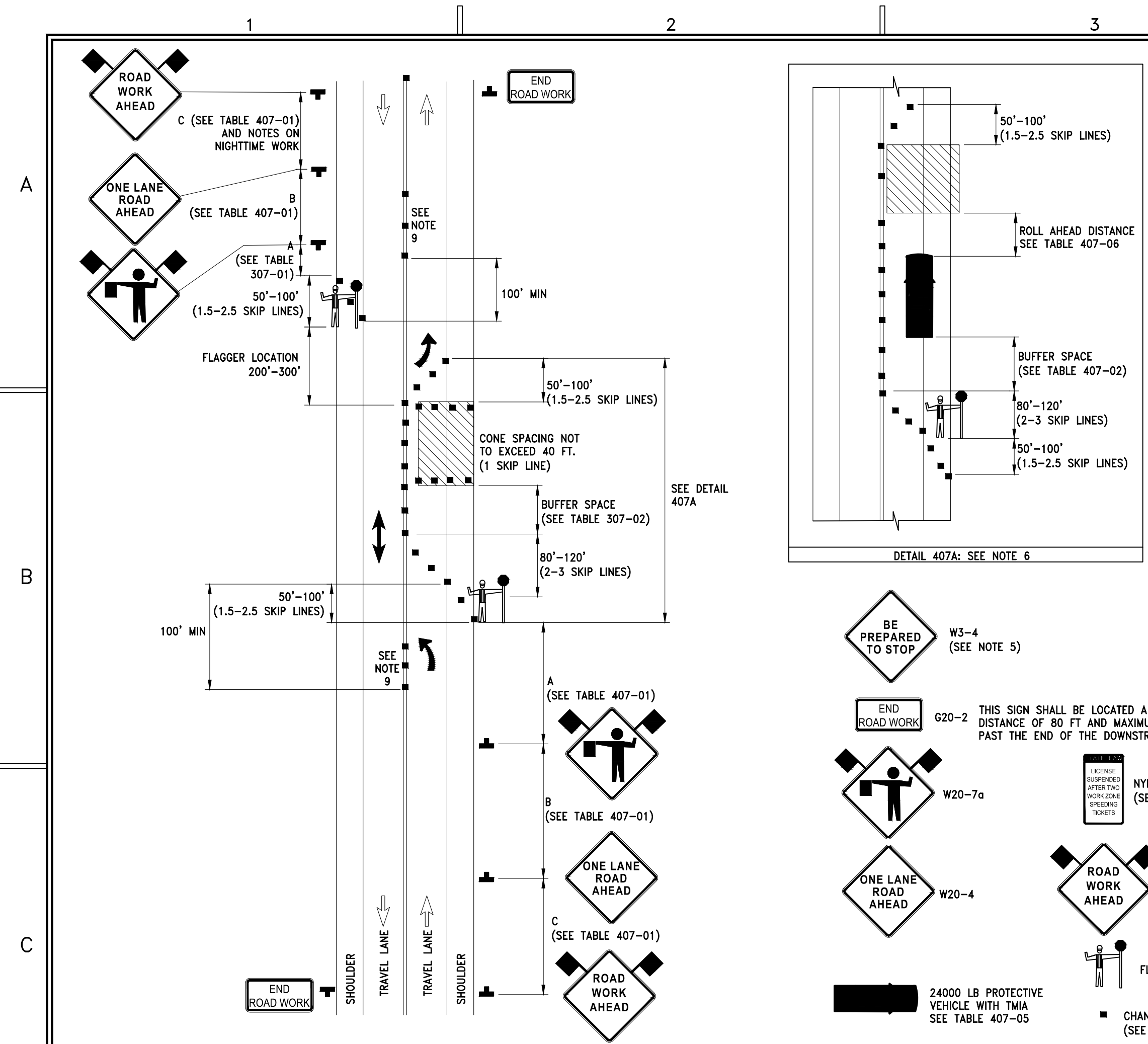
PROJECT LOCATION



PORTION OF USGS 7.5  
MINUTE QUADRANGLE  
1" = 2000'

SHEET NO. DRAWING INDEX

- C10 TITLE PAGE, LOCATION MAP AND DRAWING INDEX
- C30 WORK ZONE TRAFFIC CONTROL DETAILS
- C31 WORK ZONE TRAFFIC CONTROL DETAILS
- C35 STORMWATER POLLUTION PREVENTION NOTES
- C36 EROSION AND SEDIMENT CONTROL DETAILS
- C37 EROSION AND SEDIMENT CONTROL DETAILS
- C100 EXISTING CONDITIONS & DEMOLITION PLAN
- C110 SITE PLAN
- C115 GRADING & STORMWATER PLAN
- C125 TURNING RADIUS
- C150 STORMWATER DETAILS
- C151 STORMWATER DETAILS
- C155 SITE DETAILS
- C156 SITE DETAILS
- C160 SEPTIC PLAN
- C161 SANITARY DETAILS
- C162 SANITARY DETAILS
- C163 SANITARY DETAILS
- C164 UV SYSTEM PLAN AND SECTION



NOTES:

- INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
- WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
- CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 20' IN THE ACTIVE WORK SPACE.
- CHANNELIZING DEVICES SHALL BE PLACED TRANSVERSELY A MINIMUM OF EVERY 800' AS SHOWN WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 800'.
- IF THE TRAFFIC IS EXPECTED TO QUEUE PAST THE W20-4 SIGN, A W3-4 SIGN SHOULD BE ADDED HALFWAY BETWEEN THE W20-4 AND W20-1 SIGNS.
- IF CONDITION WARRANTS, PROTECTIVE VEHICLE WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA. TO USE PROTECTIVE VEHICLE, BUFFER SPACE SHALL BE PROVIDED ACCORDINGLY, AND THE WHEELS SHALL BE ALIGNED WITH THE LANE STRIPING.
- FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
- ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6" STAFF. THE PADDLE IS THE PREFERRED DEVICE, BUT THE FLAG MAY BE USED AT INTERSECTIONS WHERE THE STOP/SLOW PADDLE WOULD OFFER CONTRADICTING INFORMATION TO DRIVERS TRAVELING IN OPPOSITE DIRECTIONS/LEGS OF THE INTERSECTION OR DURING INCIDENT MANAGEMENT SITUATIONS.
- CENTERLINE CONES MAY BE ADDED TO ENHANCE THE VISIBILITY OF THE FLAGGER STATION. IF CONES ARE USED, PLACE THEM 100 FT. (MINIMUM) FROM FLAGGER.
- THE NY9-11 SIGN IS RECOMMENDED. WHEN USED, IT SHALL BE PLACED IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN. THE PLACEMENT DISTANCE SHALL BE 1000' FOR POSTED SPEED LIMITS OF 45 MPH OR HIGHER, AND 300' - 500' FOR POSTED SPEED LIMITS OF LESS THAN 45 MPH.

**TABLE 407-01: ADVANCE WARNING SIGN SPACING**

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≤ 30 MPH*)	100	100	100	100	100
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD
URBAN (≥ 45 MPH*)	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	1500 FT.	1000 FT.

\*PRECONSTRUCTION POSTED SPEED LIMIT

**TABLE 407-02: LONGITUDINAL BUFFER SPACE**

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE DISTANCE (FT.) / # OF SKIP LINES	
	MIN	MAX
45	360/9	
50	425/11	
55	495/13	
65	645/16	

**TABLE 407-03: CHANNELIZING DEVICE APPLICATION FOR INTERMEDIATE-TERM STATIONARY WORK ZONES**

WORK ZONE PROVISIONS	MAXIMUM DEVICE SPACING (CENTER TO CENTER)	MUTCD COMPLIANT CHANNELIZING DEVICE								
		DRUMS	STANDARD CONES	TALL CONES	EXTRA TALL CONES	TEMPORARY TUBULAR MARKERS	INTERIM TUBULAR MARKERS	VERTICAL PANELS	OVERSIZED VERTICAL PANELS	TYPE III BARRICADES
INTERMEDIATE-TERM STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR	20 FT. * X							X		
SHOULDER/MERGING/SHIFTING TAPERS	40 FT. X							X		
MARKING FOR TRANSVERSE BUMPS (1)	N/A X (2)			X (2)				X (2)		
TRANSVERSE DEVICE WITHIN CLOSED TRAFFIC LANE AND/OR SHOULDER	800 FT. X			X	X			X	X	0
REMOVAL OF EXISTING GUIDE RAIL	80 FT. X			X	X	X		X	X	0

NOTES: X= ALLOWED, BLANK= NOT ALLOWED  
 1. - A TYPE I OBJECT MARKER MAY BE USED IN LIEU OF CHANNELIZING DEVICE  
 2. - CHANNELIZING DEVICES SHALL BE EQUIPPED WITH A FLASHING WARNING LIGHT \* SEE NOTE 3 ABOVE

**TABLE 407-05: PROTECTIVE VEHICLE REQUIREMENTS**

CLOSURE TYPE	ROAD TYPE & SPEED	NON-FREEWAY		
		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
LANE CLOSURE OR ENCROACHMENT	EXPOSURE CONDITIONS (1)	P, T/MIA	P, T/MIA	SEE NOTE 2
	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, T/MIA	SEE NOTE 2	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, T/MIA	SEE NOTE 2	SEE NOTE 2
	OTHER HAZARDS NO WORKERS EXPOSED	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2

LEGEND  
 P: PROTECTIVE VEHICLE REQUIRED FOR EACH CLOSED LANE & EACH CLOSED PAVED SHOULDER 8' OR WIDER, IF THE WORK SPACE MOVES WITHIN THE STATIONARY CLOSURE, THE PROTECTIVE VEHICLE SHALL BE REPOSITIONED ACCORDINGLY  
 T/MIA: T/MIA REQUIRED

NOTES:  
 1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT  
 2. EITHER A PROTECTIVE VEHICLE OR THE STANDARD BUFFER SPACE SHALL BE PROVIDED

**TABLE 407-04: REQUIRED SIGN SIZES\***

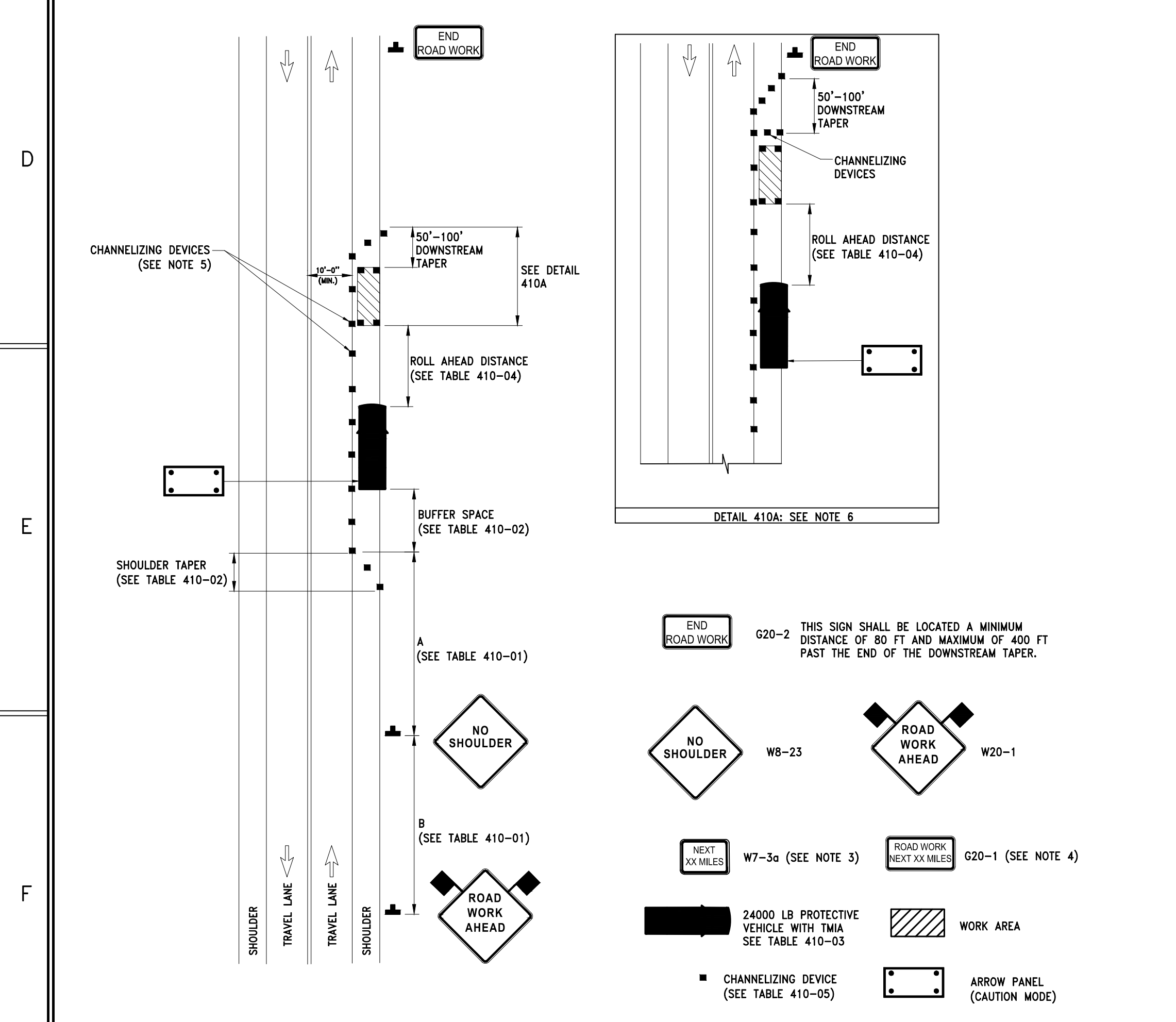
SIGN	NON-FREEWAY	FREEWAY
G20-2	36x48	48x24
W3-4	36x36	48x48
W20-1	36x36	48x48
W20-4	36x36	48x48
W20-7a	36x36	48x48
WARNING FLAG	18x18	18x18

\*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.

**TABLE 407-06: ROLL AHEAD DISTANCE**

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	STATIONARY OPERATION	
	MIN	MAX
≥ 55	120/3	200/5
45-50	80/2	160/4
≤ 40	40/1	120/3

**FLAGGING OPERATION  
SINGLE LANE CLOSURE ON 2-LANE 2-WAY ROADWAY**  
(NOT TO SCALE)



NOTES:

- INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
- WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
- CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 20' IN THE ACTIVE WORK SPACE.
- CHANNELIZING DEVICES SHALL BE PLACED TRANSVERSELY A MINIMUM OF EVERY 800' AS SHOWN WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 800'.
- IF THE TRAFFIC IS EXPECTED TO QUEUE PAST THE W20-4 SIGN, A W3-4 SIGN SHOULD BE ADDED HALFWAY BETWEEN THE W20-4 AND W20-1 SIGNS.
- IF CONDITION WARRANTS, PROTECTIVE VEHICLE WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA. TO USE PROTECTIVE VEHICLE, BUFFER SPACE SHALL BE PROVIDED ACCORDINGLY, AND THE WHEELS SHALL BE ALIGNED WITH THE LANE STRIPING.
- FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
- ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6" STAFF. THE PADDLE IS THE PREFERRED DEVICE, BUT THE FLAG MAY BE USED AT INTERSECTIONS WHERE THE STOP/SLOW PADDLE WOULD OFFER CONTRADICTING INFORMATION TO DRIVERS TRAVELING IN OPPOSITE DIRECTIONS/LEGS OF THE INTERSECTION OR DURING INCIDENT MANAGEMENT SITUATIONS.
- CENTERLINE CONES MAY BE ADDED TO ENHANCE THE VISIBILITY OF THE FLAGGER STATION. IF CONES ARE USED, PLACE THEM 100 FT. (MINIMUM) FROM FLAGGER.
- THE NY9-11 SIGN IS RECOMMENDED. WHEN USED, IT SHALL BE PLACED IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN. THE PLACEMENT DISTANCE SHALL BE 1000' FOR POSTED SPEED LIMITS OF 45 MPH OR HIGHER, AND 300' - 500' FOR POSTED SPEED LIMITS OF LESS THAN 45 MPH.

**TABLE 410-01: ADVANCE WARNING SIGN SPACING**

ROAD TYPE	DISTANCE BETWEEN SIGNS	
	A (FT.)	B (FT.)
URBAN (≤ 30 MPH*)	100	100
URBAN (35-40 MPH*)	200	200
URBAN (≥ 45 MPH*)	350	350
RURAL	500	500

\*PRECONSTRUCTION POSTED SPEED LIMIT

**TABLE 410-04: ROLL AHEAD DISTANCE**

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	STATIONARY OPERATION	
	MIN	MAX
≥ 55	120/3	200/5
45-50	80/2	160/4
≤ 40	40/1	120/3

**TABLE 410-02: LONGITUDINAL BUFFER SPACE AND TAPER LENGTHS**

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE DISTANCE (FT.) / # OF SKIP LINES	TAPER LENGTH: L (FT.) / # OF SKIP LINES / # OF CHANNELIZING DEVICES			SHOULDER TAPER LENGTH: L/3 (FT.) / # OF SKIP LINES / # OF CHANNELIZING DEVICES		
		FOR LANE WIDTH IN FT. (LATERAL SHIFT OF TRAFFIC FLOW PATH)			FOR SHOULDER WIDTH		
		10	11	12			
25	155/4	120/3/4	120/3/4	120/3/4	40/1/2	40/1/2	40/1/2
30	200/5	160/4/5	160/4/5	200/5/6	40/1/2	40/1/2	40/1/2
35	250/6	200/5/6	240/6/7	240/6/7	40/1/2	40/1/2	80/2/3
40	305/8	280/7/8	320/8/9	320/8/9	40/1/2	80/2/3	80/2/3
45	360/9	440/11/12	520/13/14	580/14/15	80/2/3	80/2/3	120/3/4
50	425/11	520/13/14	560/14/15	600/15/16	80/2/3	120/3/4	160/4/5
55	495/13	580/14/15	600/15/16	680/17/18	80/2/3	120/3/4	160/4/5

**TABLE 410-05: CHANNELIZING DEVICE APPLICATION FOR INTERMEDIATE-TERM STATIONARY WORK ZONES**

WORK ZONE PROVISIONS	MAXIMUM DEVICE SPACING (CENTER TO CENTER)	MUTCD COMPLIANT CHANNELIZING DEVICE								
		DRUMS	STANDARD CONES	TALL CONES	EXTRA TALL CONES	TEMPORARY TUBULAR MARKERS	INTERIM TUBULAR MARKERS	VERTICAL PANELS	OVERSIZED VERTICAL PANELS	TYPE III BARRICADES
INTERMEDIATE-TERM STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR	20 FT. * X							X		
SHOULDER/MERGING/SHIFTING TAPERS	40 FT. X							X		
MARKING FOR TRANSVERSE BUMPS (1)	N/A X (2)			X (2)				X (2)		
TRANSVERSE DEVICE WITHIN CLOSED TRAFFIC LANE AND/OR SHOULDER	800 FT. X			X	X			X	X	0
REMOVAL OF EXISTING GUIDE RAIL	80 FT. X			X	X	X		X	X	0

NOTES: X= ALLOWED, BLANK= NOT ALLOWED  
 1. - A TYPE I OBJECT MARKER MAY BE USED IN LIEU OF CHANNELIZING DEVICE  
 2. - CHANNELIZING DEVICES SHALL BE EQUIPPED WITH A FLASHING WARNING LIGHT \* SEE NOTE 3 ABOVE

**TABLE 410-03: PROTECTIVE VEHICLE REQUIREMENTS**

CLOSURE TYPE	ROAD TYPE & SPEED	NON-FREEWAY		
		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
LANE CLOSURE OR ENCROACHMENT	EXPOSURE CONDITIONS (1)	P, T/MIA	P, T/MIA	SEE NOTE 2
	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, T/MIA	SEE NOTE 2	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, T/MIA	SEE NOTE 2	SEE NOTE 2
	OTHER HAZARDS NO WORKERS EXPOSED	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2

LEGEND  
 P: PROTECTIVE VEHICLE REQUIRED FOR EACH CLOSED LANE & EACH CLOSED PAVED SHOULDER 8' OR WIDER, IF THE WORK SPACE MOVES WITHIN THE STATIONARY CLOSURE, THE PROTECTIVE VEHICLE SHALL BE REPOSITIONED ACCORDINGLY  
 T/MIA: T/MIA REQUIRED

NOTES:  
 1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT  
 2. EITHER A PROTECTIVE VEHICLE OR THE STANDARD BUFFER SPACE SHALL BE PROVIDED

**TABLE 410-06: REQUIRED SIGN SIZES\***

SIGN	NON-FREEWAY	FREEWAY
G20-2	36x48	48x24
W20-1	36x36	48x48
W21-5	36x36	48x48
W7-3a	24x18	36x30
G20-1	36x18	48x24
WARNING FLAG	18x18	18x18

\*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.

**SHOULDER CLOSURE  
2-LANE 2-WAY ROADWAY**  
(NOT TO SCALE)

**Lamont Engineers**  
ENGINEERS - PLANNERS  
FACILITY OPERATIONS  
197 ELM ST., COBLESKILL, NY 12043  
(518) 234-4028  
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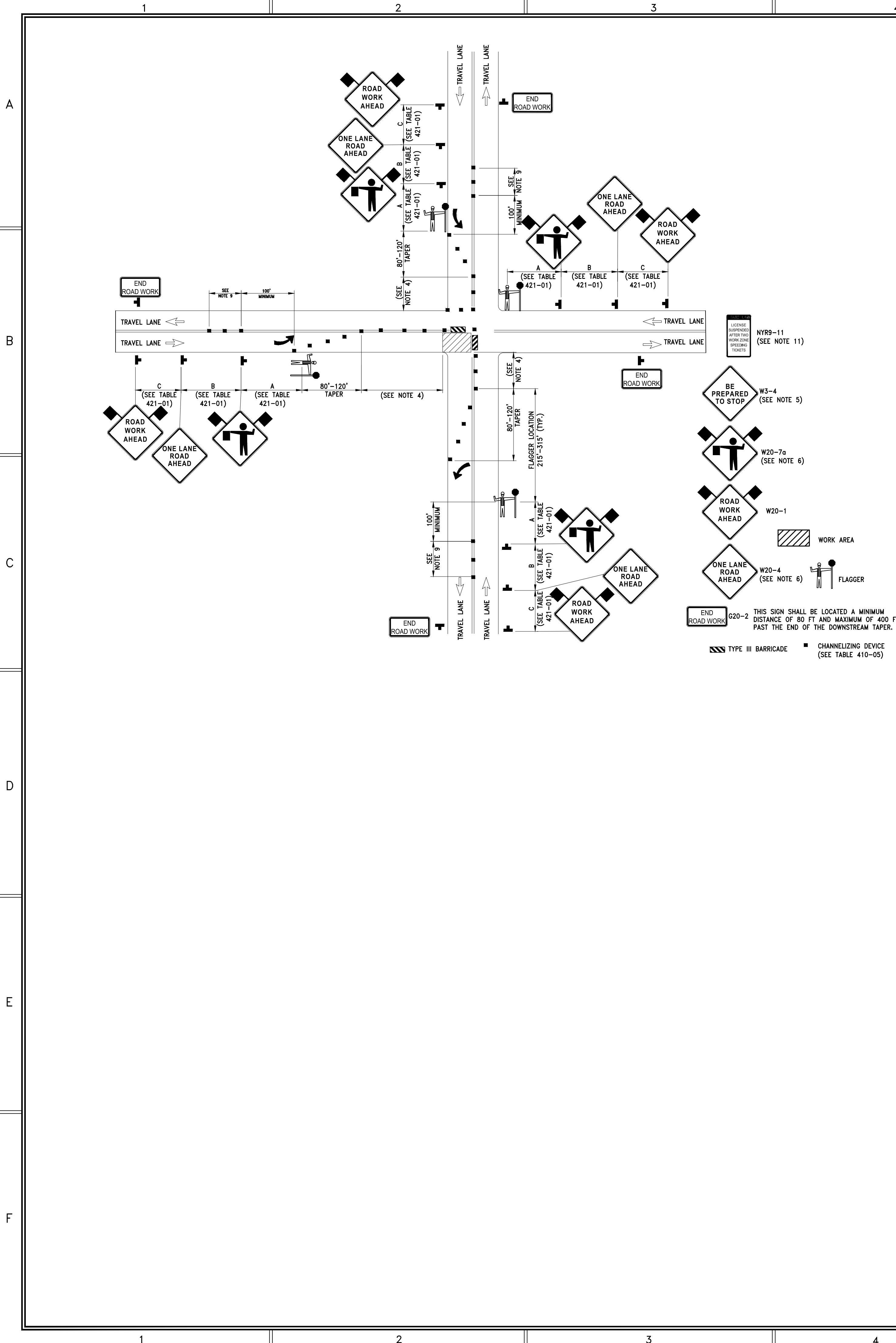
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Project Number: 2024125  
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 Designed By: BJB  
 Checked By: BJB  
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 File Name: C30

Sheet Title: WORK ZONE TRAFFIC CONTROL DETAILS

Sheet No.: C30



NOTES:

- INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
- AT SIGNALIZED INTERSECTIONS, SIGNALS SHALL BE TURNED OFF FOR ANY FLAGGING OPERATIONS, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 20' IN THE ACTIVE WORK SPACE.
- IF CONDITIONS WARRANT, PROTECTIVE VEHICLE WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA. TO USE PROTECTIVE VEHICLE, BUFFER SPACE SHALL BE PROVIDED ACCORDINGLY AND THE VEHICLE SHALL BE POSITIONED PARALLEL TO TRAFFIC AND HAVE THE WHEELS ALIGNED WITH THE LANE STRIPING.
- IF THE TRAFFIC IS EXPECTED TO QUEUE PAST THE W20-4 SIGN, A W3-4 SIGN SHOULD BE ADDED HALFWAY BETWEEN THE W20-4 AND W20-1 SIGNS.
- FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
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- NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
- THE NYR9-11 SIGN IS RECOMMENDED. WHEN USED, IT SHALL BE PLACED IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN. THE PLACEMENT DISTANCE SHALL BE 1000' FOR POSTED SPEED LIMITS OF 45 MPH OR HIGHER, AND 300' - 500' FOR POSTED SPEED LIMITS OF LESS THAN 45 MPH.

TABLE 421-01: ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≤ 30 MPH*)	100	100	100	100	100
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD
URBAN (≥ 45 MPH*)	350	350	350	1000 FT. AHEAD	AHEAD
RURAL	500	500	500	1500 FT.	1000 FT.

\*PRECONSTRUCTION POSTED SPEED LIMIT

TABLE 421-02: CHANNELIZING DEVICE APPLICATION FOR INTERMEDIATE-TERM STATIONARY WORK ZONES

WORK ZONE PROVISIONS	MAXIMUM DEVICE SPACING (CENTER TO CENTER)	MUTCD COMPLIANT CHANNELIZING DEVICE								
		DRUMS	STANDARD CONES	TALL CONES	EXTRA TALL CONES	TEMPORARY TUBULAR MARKERS	INTERIM TUBULAR MARKERS	VERTICAL PANELS	OVERSIZED VERTICAL PANELS	TYPE III BARRICADES
INTERMEDIATE-TERM STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR										
SHOULDER/MERGING/SHIFTING TAPERS	20 FT. * 40 FT. X	X							X	
MARKING FOR TRANSVERSE BUMPS (1)	N/A	X (2)		X (2)					X (2)	
TRANSVERSE DEVICE WITHIN CLOSED TRAFFIC LANE AND/OR SHOULDER	800 FT.	X		X	X			X	X	0
REMOVAL OF EXISTING GUIDE RAIL	80 FT. 40 FT.	X		X	X	X		X	X	0

NOTES: X= ALLOWED, BLANK= NOT ALLOWED  
 1. - A TYPE 1 OBJECT MARKER MAY BE USED IN LIEU OF CHANNELIZING DEVICE  
 2. - CHANNELIZING DEVICES SHALL BE EQUIPPED WITH A FLASHING WARNING LIGHT \* SEE NOTE 3 ABOVE

TABLE 421-03: REQUIRED SIGN SIZES\*

SIGN	NON-FREEWAY	FREEWAY
W20-1	36x36	48x48
W20-4	36x36	48x48
W20-7A	36x36	48x48
G20-2	36x18	48x24
WARNING FLAG	18x18	18x18

\*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.

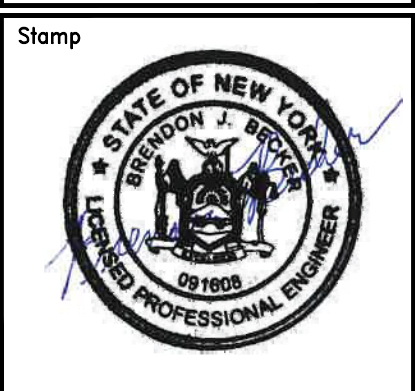
FLAGGING OPERATION  
2-LANE 2-WAY ROADWAY INTERSECTION  
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 File Name: C30

Sheet Title  
WORK ZONE  
TRAFFIC CONTROL  
DETAILS

Sheet No.  
C31

STORMWATER POLLUTION PREVENTION PLAN NOTES (SWPPP)

THIS SWPPP WAS PREPARED IN COMPLIANCE WITH THE SPDES GENERAL PERMIT GP-0-25-001.

THE OWNER IS SOLELY RESPONSIBLE FOR IMPLEMENTING AND ENFORCING THE CONTENTS OF THIS STORMWATER POLLUTION PREVENTION PLAN DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE FOR ALL POST-CONSTRUCTION INSPECTION AND MAINTENANCE DUTIES. SEE CERTIFICATION REQUIREMENTS IN SECTION I.

I. CERTIFICATION:

THIS STORMWATER POLLUTION PREVENTION PLAN REFLECTS ALL REQUIREMENTS AS DESCRIBED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. TO ENSURE COMPLIANCE, THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE LATEST EDITION OF "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" MANUAL PUBLISHED BY THE EMPIRE STATE SOIL AND WATER CONSERVATION SOCIETY, AND THE NYSDEC PUBLICATION ENTITLED "STORMWATER MANAGEMENT DESIGN MANUAL - JULY 2024".

ALL CONTRACTORS AND SUBCONTRACTORS RESPONSIBLE FOR SITEWORK ON THIS CONTRACT SHALL SIGN A COPY OF THE FOLLOWING STATEMENT BEFORE UNDERTAKING ANY CONSTRUCTION ACTIVITY ON THE PROJECT. A COPY OF THIS STATEMENT IS INCLUDED IN THE SWPPP.

"I HEREBY CERTIFY THAT I UNDERSTAND AND AGREE TO COMPLY WITH THE TERMS AND CONDITIONS OF THE SWPPP AND AGREE TO IMPLEMENT ANY CORRECTIVE ACTIONS IDENTIFIED BY THE QUALIFIED INSPECTOR DURING A SITE INSPECTION. I ALSO UNDERSTAND THAT THE OWNER OR OPERATOR MUST COMPLY WITH THE TERMS AND CONDITIONS OF THE MOST CURRENT VERSION OF THE NEW YORK STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES AND THAT IT IS UNLAWFUL FOR ANY PERSON TO CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS. FURTHERMORE, I UNDERSTAND THAT CERTIFYING FALSE, INCORRECT OR INACCURATE INFORMATION IS A VIOLATION OF THE REFERENCED PERMIT AND THE LAWS OF NEW YORK STATE AND COULD SUBJECT ME TO CRIMINAL, CIVIL AND/OR ADMINISTRATIVE PROCEEDINGS."

THE CERTIFICATION MUST INCLUDE THE NAME AND TITLE OF THE PERSON PROVIDING THE SIGNATURE IN ACCORDANCE WITH PART V.H OF THE GENERAL PERMIT; THE NAME ADDRESS AND PHONE NO. OF THE CONTRACTING FIRM; THE ADDRESS OF THE SITE; AND THE DATE THE CERTIFICATION IS MADE. SEE THE COMPLETE SWPPP FOR CERTIFICATION FORM.

II. SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES:

- NO WORK WILL BE ALLOWED TO BE COMPLETED OUT OF SEQUENCE WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER. CONTRACTOR MAY NOT DISTURB MORE THAN 5 ACRES AT ANY ONE TIME.
1. STAKE OUT LIMIT OF DISTURBANCE. STAKEOUT POINTS SHALL HAVE A MAXIMUM SPACING OF 15'. COORDINATE WITH RESIDENT PROJECT REPRESENTATIVE.
2. PROVIDE CONSTRUCTION/SNOW FENCE ALONG SENSITIVE AREAS DESIGNATED ON DRAWINGS AHEAD OF ALL FURTHER OPERATIONS. DO NOT TRENCH IN.
3. ACCESS WORK AREAS FROM APPROVED ACCESS WAYS SHOWN ON THE DRAWING.
4. PROVIDE SILT FENCE AS INDICATED ON THE DRAWINGS OR ORDERED BY ENGINEER.
5. PROVIDE STABILIZED CONSTRUCTION ENTRANCES AS INDICATED ON THE DRAWINGS.
6. FIELD LOCATE AND CONSTRUCT TEMPORARY STAGING AND STOCKPILING AREAS. COORDINATE WITH ENGINEER.
7. CONDUCT DEMOLITION WORK, INCLUDING BUILDINGS, ASPHALT, AND SUBBASE.
8. CLEAR TREES AND BRUSH WITHIN THE WORK AREA LIMITS. DO NOT DISTURB TREES AND BRUSH OUTSIDE THE LIMIT OF DISTURBANCE. DO NOT DISTURB TREES SCHEDULED TO REMAIN.
9. REMOVE ALL TOPSOIL WITHIN PROPOSED GRADING AREAS AND STOCKPILE AT LOCATIONS DESIGNATED ON PLANS.
10. REMOVE SUBSOIL AS REQUIRED, STOCKPILE ON-SITE OR DISPOSE SURPLUS OFF-SITE.
11. CONSTRUCT FOUNDATIONS AND ESTABLISH ROUGH GRADE TO WITHIN 6" OF FINISHED GRADE. CONSTRUCT UTILITY PIPING AND STRUCTURES.
12. PROVIDE PAVED PARKING/DRIVEWAY AREA SUBBASE.
13. CONSTRUCT BUILDING.
14. UPON COMPLETION OF ROUGH GRADING WORK, INCLUDING RE-USE OF STOCKPILED SUBSOIL, CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS WITHIN 7 DAYS.
15. EXCESS NATIVE SOIL NOT USED FOR THE PROJECT SHALL BE DISPOSED OF OFF-SITE AT AN APPROPRIATE SPOILS AREA.
16. CONSTRUCT INFILTRATION AND INFILTRATION BIOTENTION BASINS. IF SOILS WITHIN THESE AREAS ARE COMPACTED DURING CONSTRUCTION, CONTRACTOR SHALL PROVIDE SOIL RESTORATION AS REQUIRED BY ENGINEER.
17. CONTRACTOR SHALL PROVIDE JUTE MESH ON SLOPES GREATER THAN 3H:1V, AS INDICATED ON THE DRAWINGS, OR AS ORDERED BY ENGINEER.
18. ESTABLISH FINISHED GRADE. PROVIDE DRIVEWAY AND PARKING AREA ASPHALT PAVEMENT. REMOVE TEMPORARY STAGING/STOCKPILE AREAS AND RESTORE PER PLANS.
19. CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS WITH SEEDING AS OUTLINED IN SEEDING SCHEDULE.
20. UPON ESTABLISHMENT OF TURF, CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES AND RESTORE THOSE AREAS AS NECESSARY.

III. NON-STORMWATER DISCHARGES

DEWATERING

- 1. EXCAVATION DEWATERING SHALL BE ACCOMPLISHED BY INSTALLING A PERFORATED STANDPIPE PACKED IN STONE, IN A SUMP, ADJACENT TO THE WORK AREA.
2. DO NOT PUMP WATER DIRECTLY FROM THE EXCAVATION.
3. DIVERT SURFACE WATER AWAY FROM THE EXCAVATION AND WORK AREA.
4. DEWATERING EFFLUENT SHALL BE PUMPED TO A STABLE GRASSY AREA, TO A GEOTEXTILE SEDIMENT BAG OR TO A TEMPORARY SETTLING BASIN FOR FILTERING AND SETTLING.
5. FILTERING OR SETTLING PRACTICE SHALL BE APPROPRIATELY SIZED FOR THE PUMP USED.
6. LOCATION OF FILTERING OR SETTLING PRACTICE SHALL BE APPROVED BY THE ENGINEER.
7. DEWATERING EFFLUENT ENTERING ANY STREAM OR WATERCOURSE SHALL CAUSE NO VISIBLE CONTRAST TO THE RECEIVING WATERS.
8. IF DEWATERING EFFLUENT FILTERING/SETTLING PRACTICES ARE FOUND TO BE INEFFECTIVE, CONTRACTOR SHALL CEASE OPERATIONS IMMEDIATELY AND CORRECT THE PROCEDURE.

CONCRETE TRUCK WASHOUT

CONCRETE TRUCKS SHALL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE ONLY AT LOCATIONS SPECIFICALLY APPROVED BY THE ENGINEER. CONCRETE TRUCKS SHALL NOT, UNDER ANY CIRCUMSTANCES, BE ALLOWED TO DISCHARGE WASH WATER INTO WETLANDS, WATER COURSES, OR STREAMS. ALL CONCRETE TRUCK WASH AREAS SHALL BE ALLOWED TO DRY AND THEN BE BROKEN UP INTO PIECES NO LARGER THAN 4" IN ANY DIMENSION AND BURIED BELOW NEW PAVEMENT SURFACES.

THE WASHOUT SHALL BE LOCATED A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER WATER SURFACES. PREVENT SURFACE WATER FROM ENTERING THE STRUCTURE EXCEPT FOR THE ACCESS ROAD. PROVIDE APPROPRIATE ACCESS WITH A GRAVEL ACCESS ROAD SLOPED DOWN TO THE STRUCTURE. SIGNS SHALL BE PLACED TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.

IV. CONSTRUCTION EROSION & SEDIMENT CONTROLS:

IMMEDIATE STABILIZATION: FOR AREAS NEAR WETLANDS MULCH WORK AREA WITH WOOD CHIPS, HAY OR STRAW IMMEDIATELY AFTER ROUGH GRADING FOLLOWING EACH SOIL DISTURBING OPERATION. ANY WORK AREA ON SLOPES OF 10% OR GREATER SHALL BE STABILIZED NO LATER THAN THE END OF EACH DAY. SEE SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES ON SHEETS C100-C102.

TEMPORARY STABILIZATION: TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH IMMEDIATELY AFTER THE TEMPORARY CESSATION OF CONSTRUCTION ACTIVITY IN THAT AREA. ALL AREAS MUST BE STABILIZED NO LATER THAN 7 DAYS AFTER WORK HAS CEASED. THE TEMPORARY SEED SHALL BE APPLIED AT THE RATE OF 30 POUNDS PER ACRE. STRAW (CEREAL GRAIN) MULCH SHALL BE APPLIED AT A RATE OF 2 TON/ACRE. SLOPES OVER 3(H):1(V) SHALL BE STABILIZED WITH JUTE MESH, UNTIL SUCH TIME AS VEGETATION HAS BEEN ESTABLISHED. AREAS TO BE PAVED SHALL BE TEMPORARILY STABILIZED WITH GEOTEXTILES AND STONE SUB-BASE MATERIAL, AS SHOWN ON THE PLANS, UNTIL PAVEMENT IS INSTALLED.

PERMANENT STABILIZATION: DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. PRIOR TO PERMANENT SEEDING, APPLY LIME TO THE SOIL TO ATTAIN A pH OF 6.5 IN THE UPPER 2 INCHES OF SOIL. APPLY COMMERCIAL FERTILIZER AT 850 LBS OF 5-5-10 OR EQUIVALENT PER ACRE.

PERMANENT SEED SHALL BE AS FOLLOWS: LAWN/GRADED AREAS: 65% CREEPING RED FESCUE (85-114 LBS/ACRE), 20% PERENNIAL RYEGRASS (26-35 LBS/ACRE) 15% FINE FESCUE (19-26 LBS/ACRE)

NON-GRADED AREAS: CONSERVATION MIX BY NEW ENGLAND WETLAND PLANTS, OR EQUAL. APPLY AT 25 LBS/ACRE OR MANUFACTURERS RECOMMENDATION.

APPLY OTHER SEED MIXES AS NOTED ON THE DRAWINGS AT THE RESPECTIVE MANUFACTURERS RECOMMENDATIONS.

APPLY STRAW (CEREAL GRAIN) MULCH AT A RATE OF 2 TONS/ACRE.

MAINTAIN A pH OF 6.0-7.0 IN PERMANENT SEEDED AREAS. FERTILIZE IN LATE MAY TO EARLY JUNE AND REPEAT IN LATE AUGUST IF SOD DENSITY IS NOT ADEQUATE. AVOID FERTILIZING WHEN HEAT IS GREATER THAN 85°F.

SILT FENCING: AT A MINIMUM, SILT FENCING SHALL BE INSTALLED AT LOCATIONS SHOWN AND AS DETAILED ON THE DRAWINGS. CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL SILT FENCING, TO PROVIDE NECESSARY SEDIMENT CONTROL WHERE ACTIVITIES OF THE CONTRACTOR MAY RESULT IN OFF-SITE SEDIMENT DISCHARGE.

CONSTRUCTION FENCING: SHALL BE INSTALLED AT LOCATIONS SHOWN AND AS DETAILED ON THE DRAWINGS. THE PURPOSE OF THE FENCING IS TO DELINEATE THE LIMITS OF DISTURBANCE AND TO PROTECT THE BUFFER ZONE VEGETATION.

OFFSITE TRACKING OF VEHICLES: A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED, IF NECESSARY, TO REDUCE VEHICLE TRACKING OF SEDIMENTS ONTO THE ADJACENT PARKING AREAS AND ONTO STREETS. ALL SEDIMENTS TRACKED ONTO STREETS SHALL BE IMMEDIATELY REMOVED AND SEDIMENTS TRACKED ONTO THE PARKING AREAS SHALL BE REMOVED AT THE END OF EACH WORK DAY. SITEWORK CONTRACTOR SHALL PROVIDE TRUCK TIRE CLEANING AT ALL SITE EGRESS POINTS AS NEEDED TO PREVENT TRACKING ONTO STREETS AND THE EXISTING PARKING AREAS.

EXCAVATION: ALL EXCAVATED MATERIAL AND SIDE CAST FROM TRENCHING ACTIVITIES SHALL BE TEMPORARILY PLACED AWAY FROM ANY ENVIRONMENTALLY SENSITIVE AREA.

DUST CONTROL: ALL CONTRACTS SHALL APPLY WATER FOR THE CONTROL OF DUST WITHIN THE LIMITS OF THEIR RESPECTIVE WORK. WATER APPLICATION SHALL BE THE PRIMARY METHOD OF DUST CONTROL. CALCIUM CHLORIDE WILL NOT BE ALLOWED.

OTHER TEMPORARY CONTROLS: AS CONDITIONS WARRANT, OTHER TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE UTILIZED SO THAT ALL REQUIREMENTS OF THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" MANUAL ARE MET. NO ADDITIONAL PAYMENTS SHALL BE MADE FOR ADDITIONAL TEMPORARY MEASURES REQUIRED AS A RESULT OF THE CONTRACTOR'S PHASING OF THE WORK.

V. PERMANENT STORMWATER MANAGEMENT CONTROLS:

THE PERMANENT STORMWATER CONTROL SYSTEM WILL CONSIST OF A INFILTRATION BIOTENTION BASINS, INFILTRATION BASINS, A GRASS SWALE, CULVERTS, AND STORM SEWERS.

VI. SPILL PREVENTION PLAN (SPP):

ALL CONTRACTORS ARE RESPONSIBLE FOR IMPLEMENTING AND ENFORCING THE CONTENTS OF A SPILL PREVENTION PLAN AS OUTLINED IN THE SWPPP

VII. MAINTENANCE AND INSPECTION OF EROSION, SEDIMENT & STORMWATER MANAGEMENT PRACTICES BY THE CONTRACTOR:

THE CONTRACTOR SHALL NOT BEGIN THE WORK UNTIL ALL EROSION AND SEDIMENT CONTROLS ARE IN PLACE AND HAVE BEEN INSPECTED AND CERTIFIED AS DESCRIBED BELOW.

THE CONTRACTOR SHALL INSPECT THE SITE DAILY AND AFTER EVERY RAINFALL EVENT.

ANY DEFICIENCIES SHALL BE REPAIRED AND BROUGHT INTO COMPLIANCE DAILY.

Table with 2 columns: CONSTRUCTION PHASE and SCHEDULED MAINTENANCE. Rows include: -STABILIZED CONSTRUCTION ENTRANCE, -TEMPORARY DRAINAGE SWALES/DITCHES, -TEMPORARY SILT FENCES, -FABRIC DROP INLET PROTECTION, -CONCRETE WASHOUT, -TEMPORARY SEDIMENT TRAPS, -ANCHORED STABILIZATION MATTING, -GENERAL SITE INSPECTION, -POST-CONSTRUCTION PHASE.

VIII. INSPECTION OF EROSION, SEDIMENT & STORMWATER MANAGEMENT PRACTICES BY THE OPERATOR (OWNER):

THE OPERATOR (OWNER) AGREES TO HAVE A QUALIFIED PROFESSIONAL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND CERTIFY IN AN INSPECTION REPORT THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROLS DESCRIBED IN THE SWPPP HAVE BEEN ADEQUATELY INSTALLED OR IMPLEMENTED TO ENSURE OVERALL PREPAREDNESS OF THE SITE FOR THE COMMENCEMENT OF CONSTRUCTION. FOLLOWING COMMENCEMENT OF CONSTRUCTION, SITE INSPECTIONS SHALL BE CONDUCTED BY A QUALIFIED PROFESSIONAL AT LEAST 2 TIMES EVERY 7 CALENDAR DAYS WHILE MORE THAN 5 ACRES IS DISTURBED AND AT LEAST 1 TIME EVERY 7 CALENDAR DAYS WHEN LESS THAN 5 ACRES IS DISTURBED.

THE OPERATOR (OWNER) SHALL MAINTAIN A RECORD OF ALL INSPECTION REPORTS IN A SITE LOG BOOK. THE SITE LOG BOOK SHALL BE MAINTAINED ON SITE AND BE MADE AVAILABLE TO THE PERMITTING AUTHORITIES UPON REQUEST. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE OPERATOR SHALL CERTIFY IN THE SITE LOG BOOK THAT THE SWPPP MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS.

PRIOR TO FILING THE NOTICE OF TERMINATION OR THE END OF THE PERMIT TERM, THE OPERATOR (OWNER) SHALL HAVE THE QUALIFIED PROFESSIONAL PERFORM A FINAL SITE INSPECTION. THE QUALIFIED PROFESSIONAL SHALL CERTIFY THAT THE SITE HAS UNDERGONE FINAL STABILIZATION USING EITHER VEGETATIVE OR STRUCTURAL STABILIZATION METHODS AND THAT ALL TEMPORARY EROSION AND SEDIMENT CONTROLS NOT NEEDED FOR LONG-TERM EROSION CONTROL HAVE BEEN REMOVED.

THE OWNERS QUALIFIED PROFESSIONAL SHALL REPORT ANY DEFICIENCIES IN THE CONTRACTORS EROSION AND SEDIMENT CONTROL DEVICES AND THE CONTRACTOR SHALL IMMEDIATELY MAKE CORRECTIVE ACTIONS AS REQUIRED. FAILURE OF CONTRACTOR TO MAKE SATISFACTORY CORRECTIVE MEASURES WILL BE GROUNDS FOR THE OWNER TO WITHHOLD DISBURSEMENTS FROM CONTRACTORS PAYMENT REQUEST.

IX. WINTER STABILIZATION:

THIS APPLIES TO ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN NOVEMBER 15TH TO THE FOLLOWING APRIL 1ST.

WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ONE TIME.

SNOW MANAGEMENT

- 1. EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO A SNOW EVENT
2. CONTRACTOR SHALL USE AREAS DESIGNATED ON THE PLANS TO STOCKPILE SNOW. INSTALL SILT FENCE DOWNHILL OF STOCKPILE AREA.
3. ON ACCESS ROADS, SNOW SHALL BE STORED ON THE DOWNHILL SIDE TO AVOID RUNOFF FROM SNOWMELT CROSSING THE ROADWAY.
4. A MINIMUM 25 FOOT BUFFER SHALL BE MAINTAINED FROM ALL PERIMETER CONTROLS SUCH AS SILT FENCE. MARK SILT FENCE WITH TALL STAKES THAT ARE VISIBLE ABOVE THE SNOW PACK.
5. EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERBODY WITHIN 100 FEET SHALL HAVE 2 ROWS OF SILT FENCE, 5 FEET APART, INSTALLED ON THE CONTOUR.
6. DRAINAGE STRUCTURES SHALL BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS. ALL DEBRIS, ICE DAMS, OR DEBRIS FROM PLOWING OPERATIONS, THAT RESTRICT THE FLOW OF RUNOFF AND MELTWATER, SHALL BE REMOVED.
7. SEDIMENT BARRIERS SHALL BE INSTALLED AT ALL APPROPRIATE PERIMETER AND SENSITIVE LOCATIONS. SILT FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED BEFORE THE GROUND FREEZES.
8. SOIL STOCKPILES SHALL BE PROTECTED BY THE USE OF ESTABLISHED VEGETATION, ANCHORED STRAW MULCH, ROLLED STABILIZATION MATTING, OR OTHER DURABLE COVERING. A BARRIER SHALL BE INSTALLED AT LEAST 15 FEET FROM THE TOE OF THE STOCKPILE TO PREVENT SOIL MIGRATION AND TO CAPTURE LOOSE SOIL.
9. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES SHALL BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN THREE (3) DAYS. ROLLED EROSION CONTROL BLANKETS MUST BE USED ON ALL SLOPES 3 HORIZONTAL TO 1 VERTICAL OR STEEPER.
10. STRAW MULCH ALONE IS USED FOR TEMPORARY STABILIZATION. IT SHALL BE APPLIED AT DOUBLE THE STANDARD RATE OF 2 TONS PER ACRE, MAKING THE APPLICATION RATE 4 TONS PER ACRE. OTHER MANUFACTURED MULCHES SHALL BE APPLIED AT DOUBLE THE MANUFACTURER'S RECOMMENDED RATE.
11. TO ENSURE ADEQUATE STABILIZATION OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL SHALL BE STABILIZED AT THE END OF EACH WORK DAY UNLESS:
a. WORK WILL RESUME WITHIN 24 HOURS IN THE SAME AREA AND NO PRECIPITATION IS FORECAST OR;
b. THE WORK IS IN DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS OPEN UTILITY TRENCHES, FOUNDATION EXCAVATIONS, OR WATER MANAGEMENT AREAS.
12. USE STONE PATHS TO STABILIZE ACCESS PERIMETERS OF BUILDINGS UNDER CONSTRUCTION AND AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED. STONE PATHS SHALL BE A MINIMUM OF 10 FEET IN WIDTH BUT WIDER AS NECESSARY TO ACCOMMODATE EQUIPMENT.

MAINTENANCE

THE SITE SHALL BE INSPECTED FREQUENTLY TO ENSURE THAT THE EROSION AND SEDIMENT CONTROL PLAN IS PERFORMING ITS WINTER STABILIZATION FUNCTION. IF THE SITE WILL NOT HAVE EARTH DISTURBING ACTIVITIES ONGOING DURING THE WINTER SEASON, ALL BARE EXPOSED SOIL MUST BE STABILIZED BY ESTABLISHED VEGETATION, STRAW OR OTHER ACCEPTABLE MULCH, MATTING, ROCK, OR OTHER APPROVED MATERIAL SUCH AS ROLLED EROSION CONTROL PRODUCTS. SEEDING OF AREAS WITH MULCH COVER IS PREFERRED BUT SEEDING ALONE IS NOT ACCEPTABLE FOR PROPER STABILIZATION.

COMPLIANCE INSPECTIONS SHALL BE PERFORMED ONCE PER MONTH AND REPORTS FILED PROPERLY IN ACCORDANCE WITH THE SWPPP FOR ALL SITES UNDER A WINTER SHUTDOWN.

X. SOIL RESTORATION - DEEP RIPPING AND DE-COMPACTON:

ALL DISTURBED SOILS SHALL BE RESTORED IN ACCORDANCE WITH TABLE 4.6 OF THE 2016 NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, OR AS ORDERED BY ENGINEER. RESTORATION SHALL OCCUR DURING THE ESTABLISHMENT OF FINAL GRADING SEQUENCE.

ALL ON-SITE SOILS HAVE BEEN IDENTIFIED AS HSG B.

FULL SOIL RESTORATION CRITERIA:

- 1. APPLY 3 INCHES OF COMPOST OVER SUBSOIL.
2. TILL COMPOST INTO SUBSOIL TO DEPTH OF 12 INCHES USING CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC OR TILLER, MIXING AND CIRCULATING AIR AND COMPOST INTO SUBSOILS.
3. ROCK PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF > 4 INCHES ARE REMOVED.
4. APPLY TOPOSOIL TO A DEPTH OF 6".
5. PROVIDE DENSE VEGETATION AS REQUIRED PER PLANS.

TABLE 4.6 - 2016 NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL

Table with 3 columns: Type of Soil Disturbance, Soil Restoration Requirement, Comments/Examples. Rows include: No soil disturbance, Minimal soil disturbance, Areas where topsoil is stripped only - no change in grade, Areas of cut or fill, Heavy traffic areas on site, Areas where Runoff Reduction and/or Infiltration practices are applied, Redevelopment projects.

\* Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler.
\*\* Per "Deep Ripping and De-compaction, DEC 2008".

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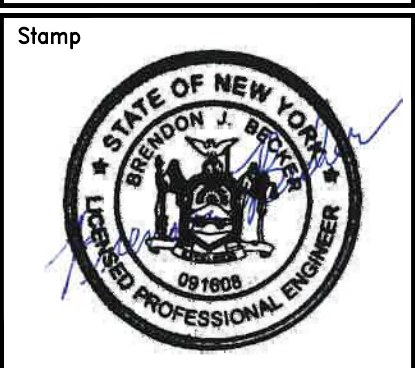
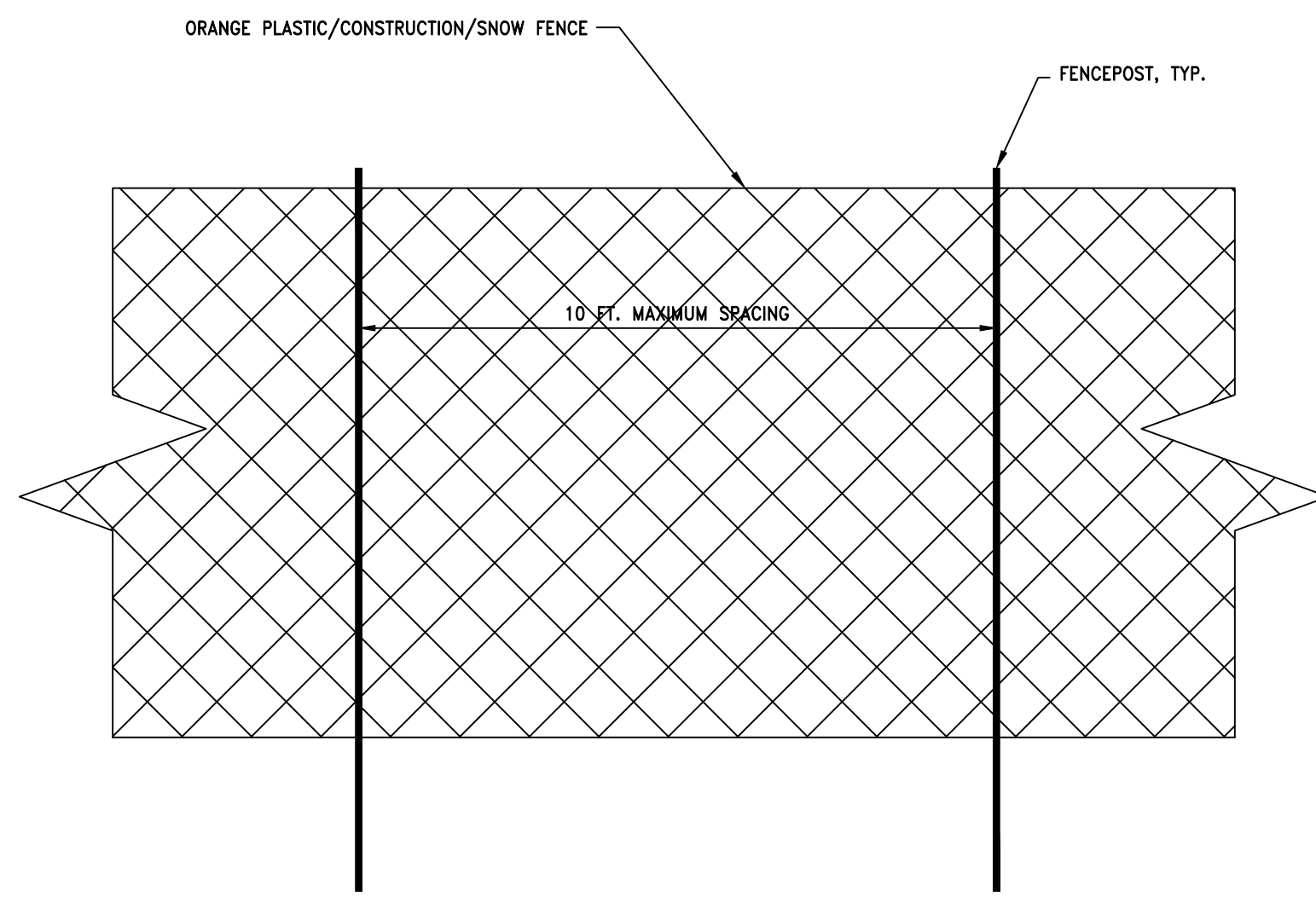


Table with 2 columns: Issue/Rev., Date. Rows for Planning Board, Planning Board, and Planning Board.

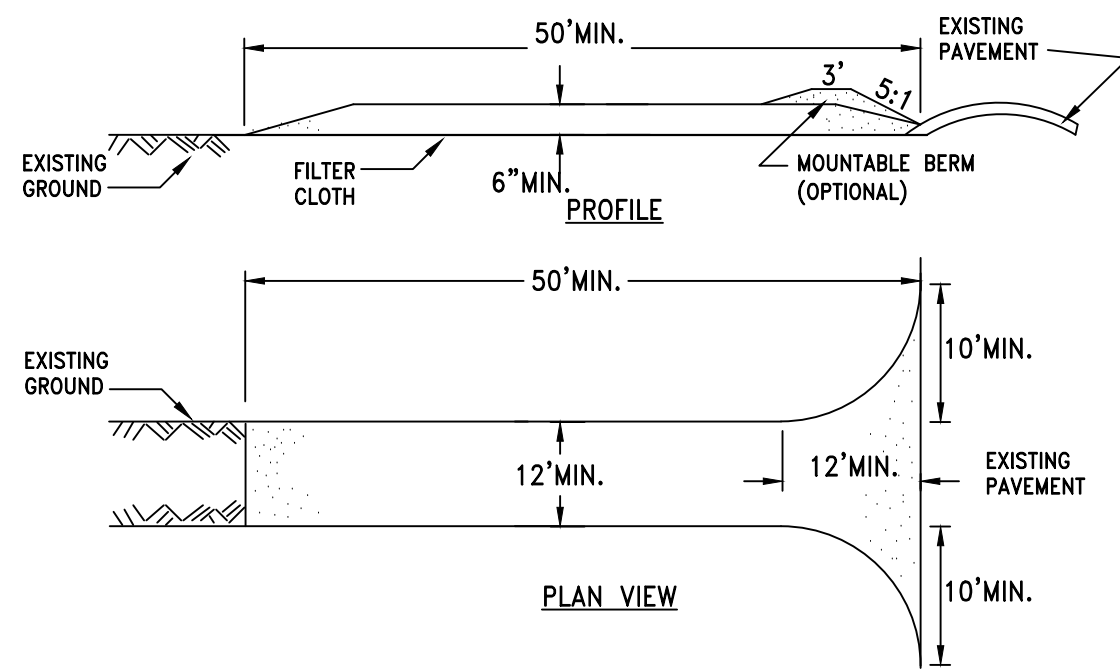
Project Number 2024125
Drawn By SK
Designed By BJB
Checked By BJB
Date 6/25/25
Scale AS SHOWN
File Name C30

Sheet Title STORMWATER POLLUTION PREVENTION PLAN

Sheet No. C35



1 DETAIL - CONSTRUCTION FENCE  
SCALE: NTS



CONSTRUCTION SPECIFICATIONS

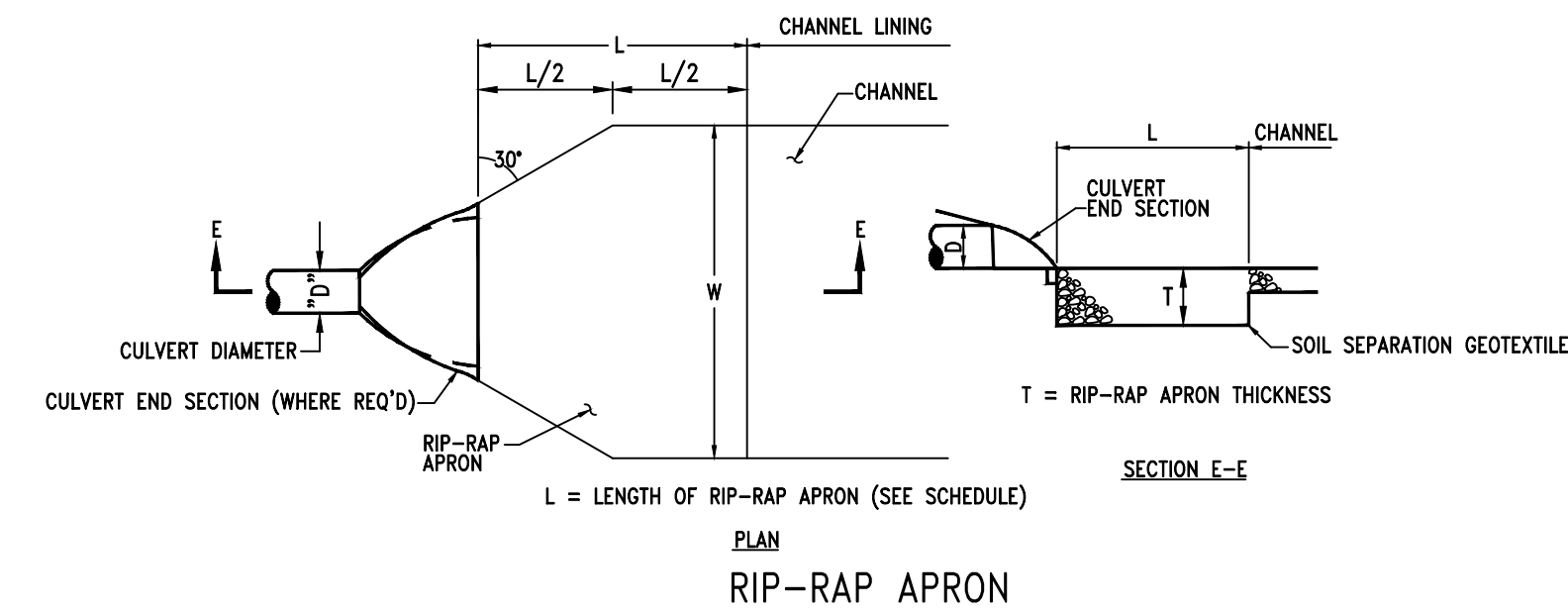
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

2 STABILIZED CONSTRUCTION ENTRANCE  
SCALE: NTS

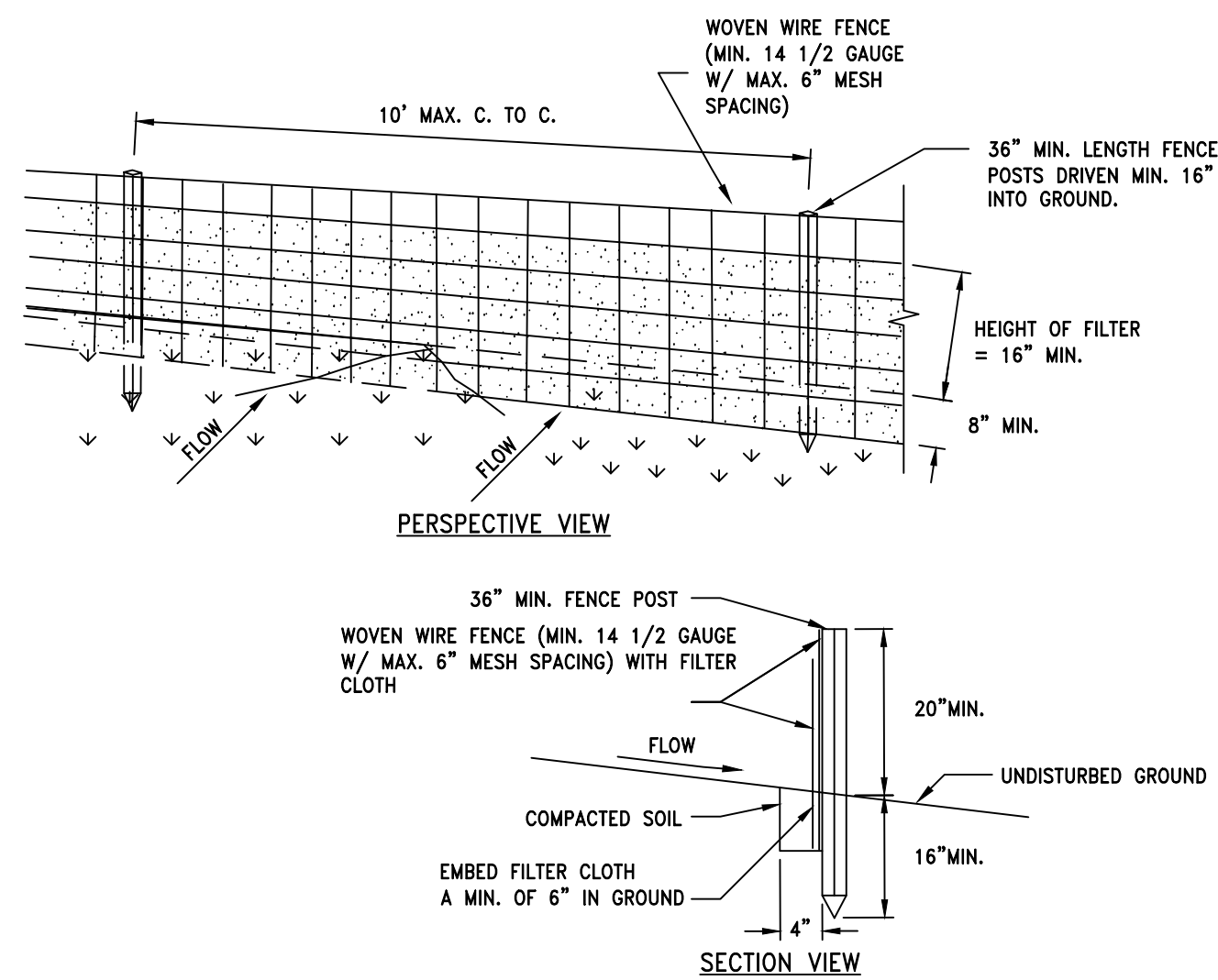
RIP-RAP SHALL BE INSTALLED AS PER NYS DOT "STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS" (1/2/90) SECTIONS 620-3.02 & 3.03. RIP-RAP GRADATION SHALL BE AS PER FIGURE 620-1 AND BELOW:

"D" CULVERT OUTLET DIAMETER	L	T	W	NYS DOT GRADATION
12"	6 ft.	12"	±54"	"LIGHT"
15"	7.5 ft.	12"	±67"	"LIGHT"
24"	12 ft.	12"	±107"	"LIGHT"

NOTE: L=LENGTH OF APRON  
T=THICKNESS OF RIP-RAP APRON



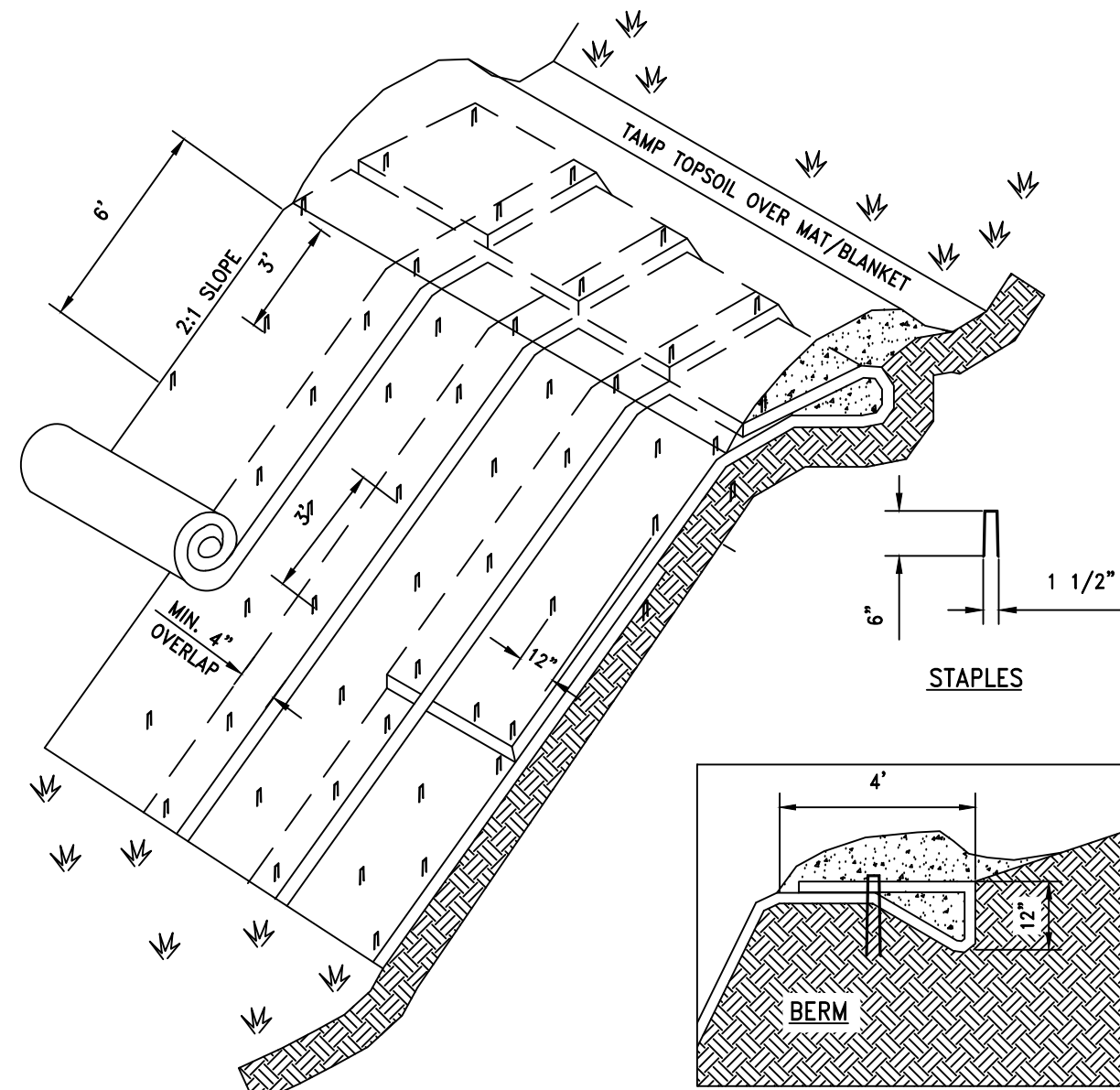
3 STABILIZED OUTLET STRUCTURE  
SCALE: N.T.S.



CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

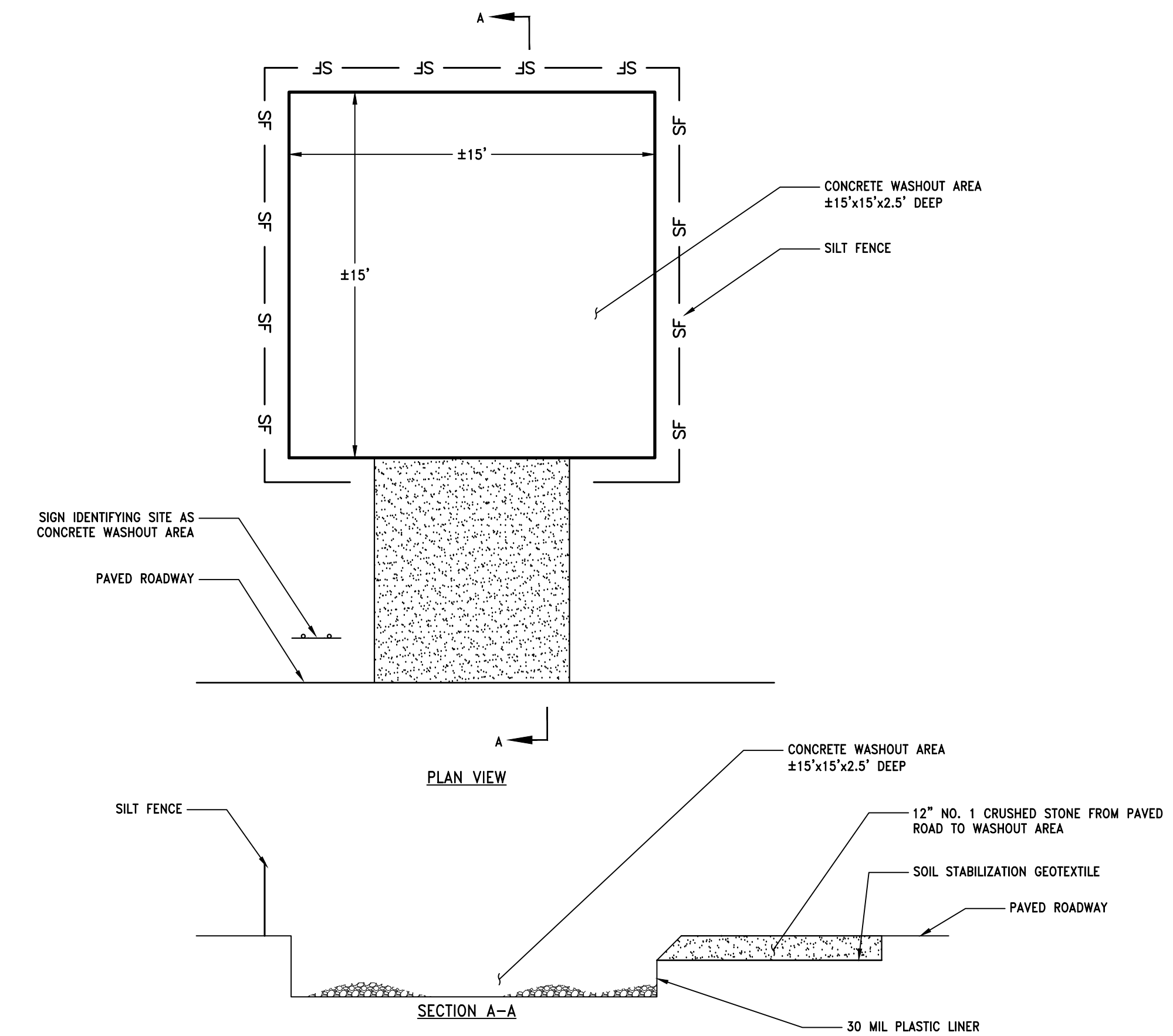
4 SILT FENCE  
SCALE: NTS



NOTES

- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
- APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
- LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
- MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.

5 TYPICAL JUTE MESH SLOPE STABILIZATION  
SCALE: NTS



6 CONCRETE WASHOUT AREA  
SCALE: NTS

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Issue No.	Date	Remarks
1	7/7/25	PLANNING BOARD COMMENTS
2	8/7/25	PER PLANNING BOARD COMMENTS

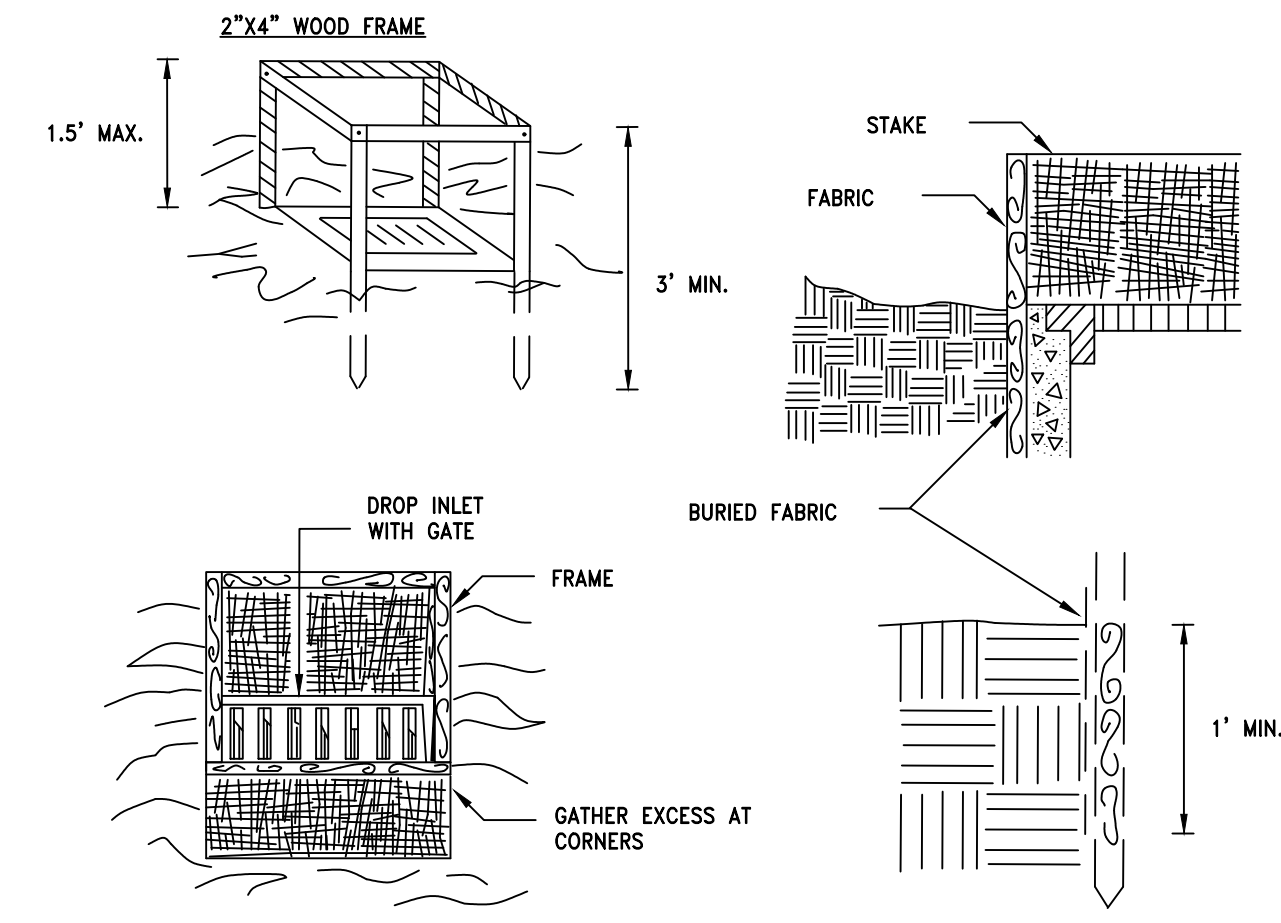
Project Number 2024125  
Drawn By SK  
Designed By BJB  
Checked By BJB  
Date 6/25/25  
Scale AS SHOWN  
File Name C30

Sheet Title  
EROSION AND SEDIMENT CONTROL DETAILS

Sheet No.  
C36

Consultant

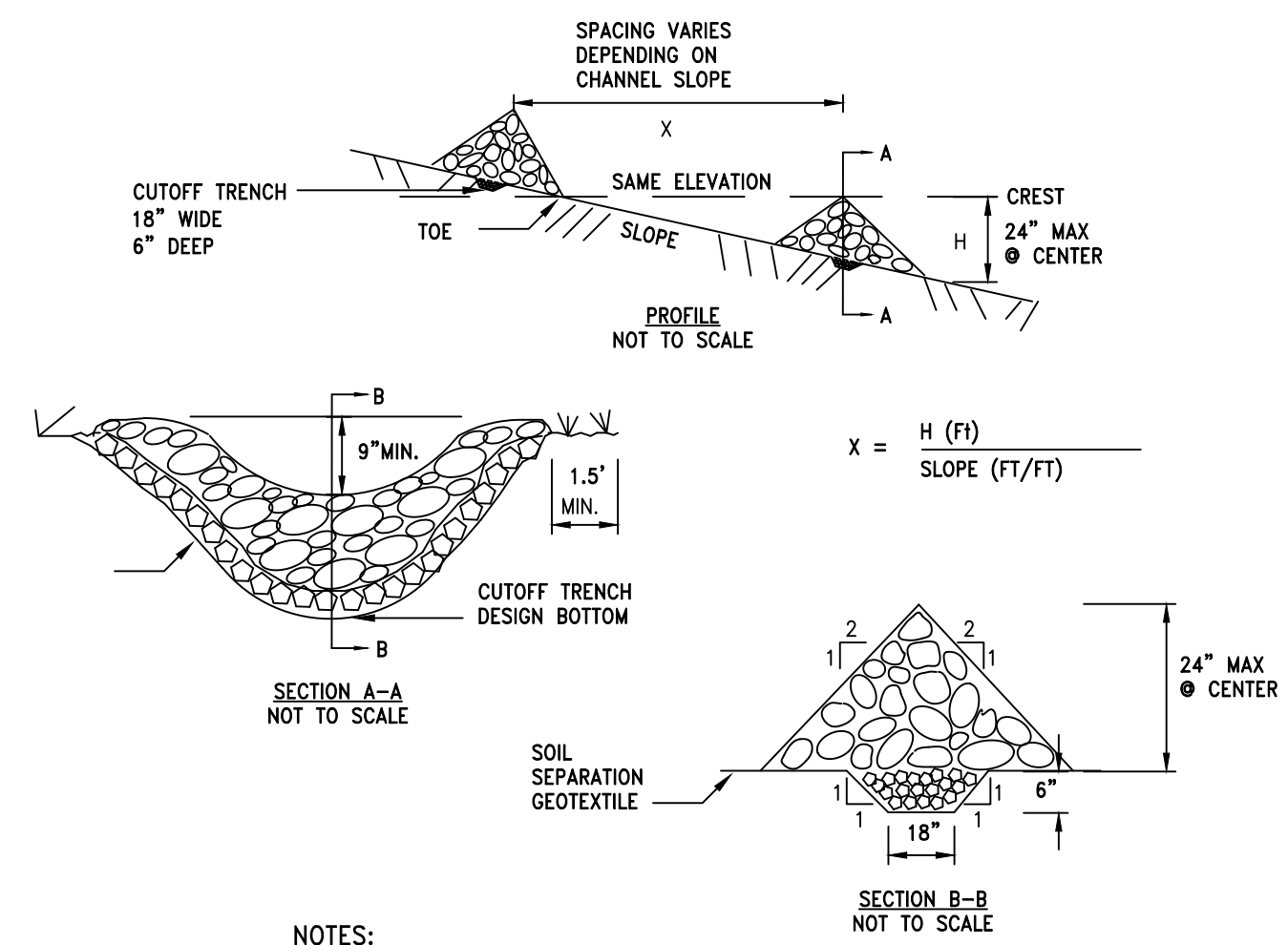
TILDEN COMMONS  
 NEW LEBANON DEVELOPMENT, LLC.  
 COLUMBIA COUNTY NEW YORK STATE



CONSTRUCTION SPECIFICATIONS

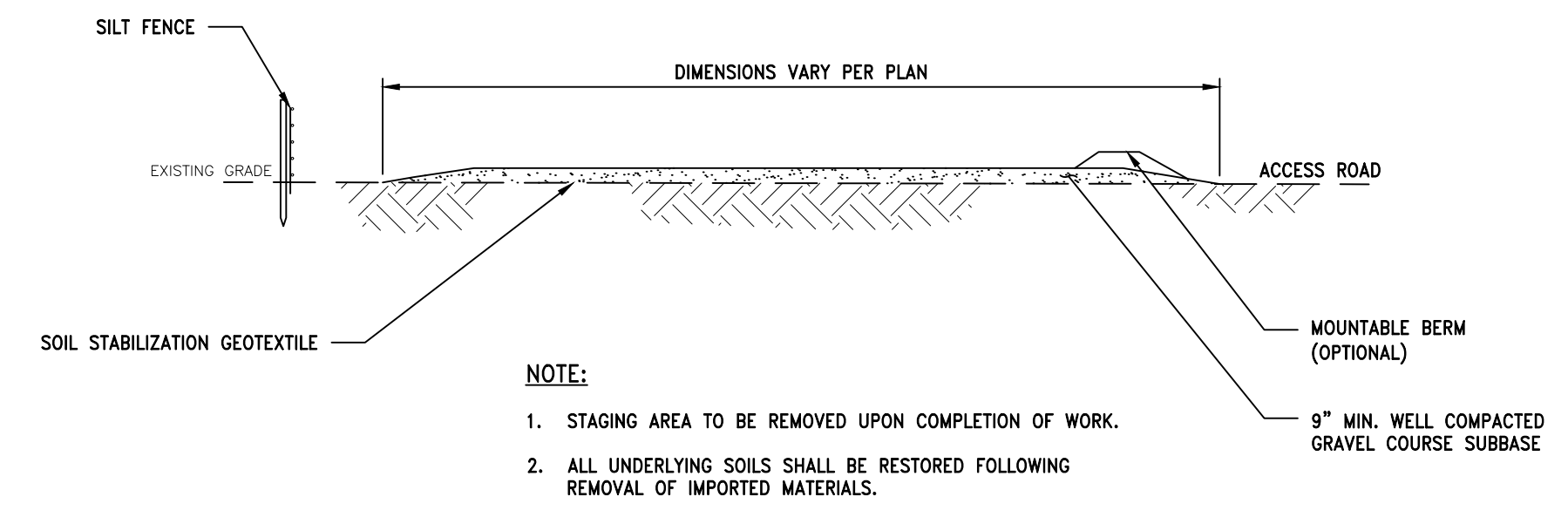
- NOTES:**
1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
  2. FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
  3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT, METAL WITH A MINIMUM LENGTH OF 3 FEET.
  4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
  5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
  6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
  7. MAXIMUM DRAINAGE AREA 1 ACRE

1 FILTER FABRIC DROP INLET PROTECTION SCALE: NTS



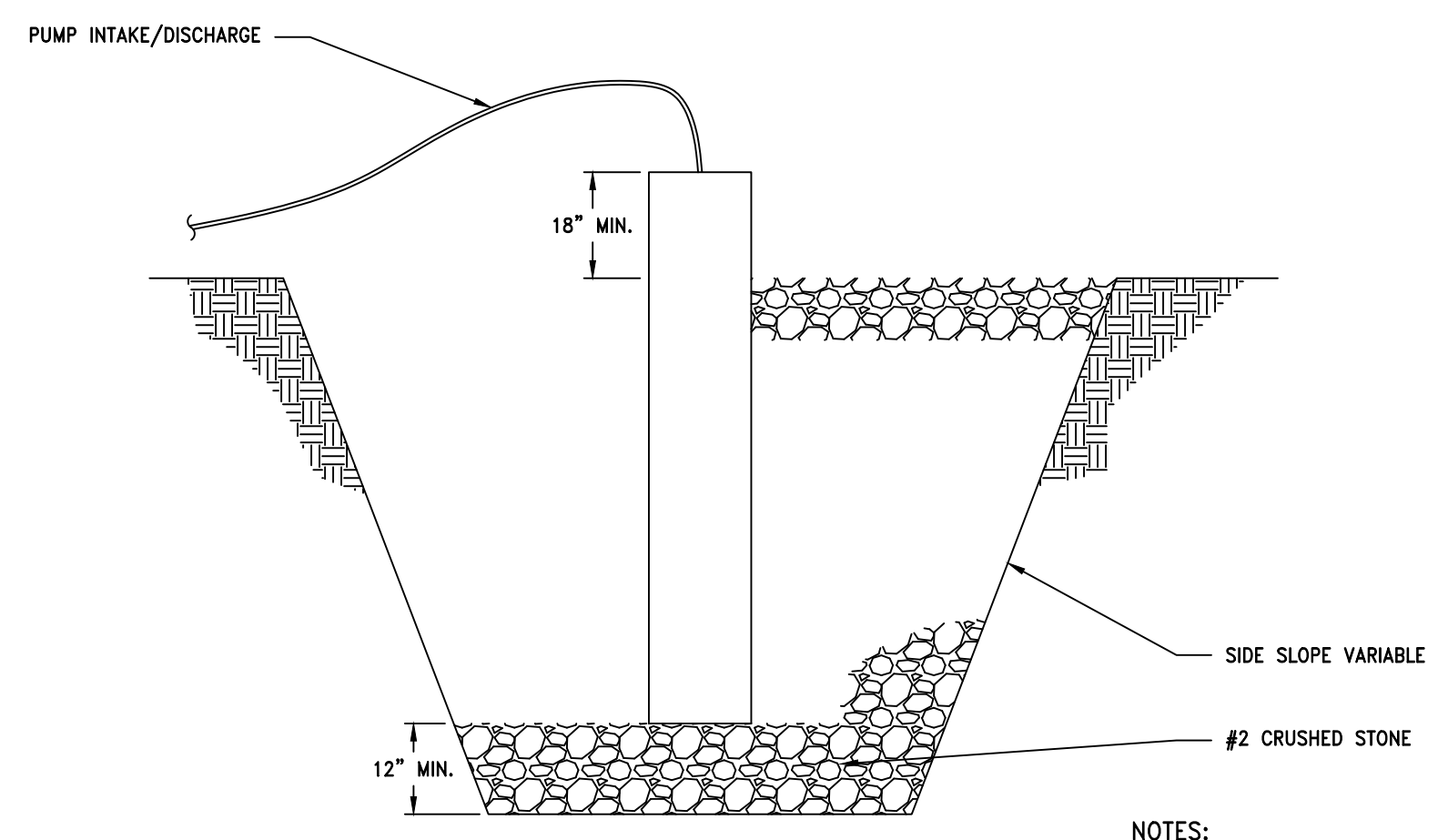
- NOTES:**
1. PLACE STONE ON A SOIL SEPARATION GEOTEXTILE FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLANS.
  2. STONE CHECK DAM MATERIAL: NYSDOT LIGHT STONE FILL.
  3. CUTOFF TRENCH MATERIAL: #2 STONE.
  4. SET SPACING OF THE CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
  5. EXTEND STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
  6. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
  7. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

2 CHECK DAM DETAIL SCALE: NTS



3 TEMPORARY STAGING/STOCKPILING AREA SCALE: NTS

- NOTE:**
1. STAGING AREA TO BE REMOVED UPON COMPLETION OF WORK.
  2. ALL UNDERLYING SOILS SHALL BE RESTORED FOLLOWING REMOVAL OF IMPORTED MATERIALS.



4 DEWATERING SUMP PIT DETAIL SCALE: N.T.S.

- NOTES:**
1. PIT DIMENSIONS ARE VARIABLE.
  2. PIT SURROUNDING STANDPIPE SHALL BE BACKFILLED WITH #2 CRUSHED STONE.
  3. IF DISCHARGE WILL BE PUMPED DIRECTLY TO A STORM DRAINAGE SYSTEM, THE STANDPIPE SHALL BE WRAPPED WITH FILTER CLOTH BEFORE INSTALLATION.

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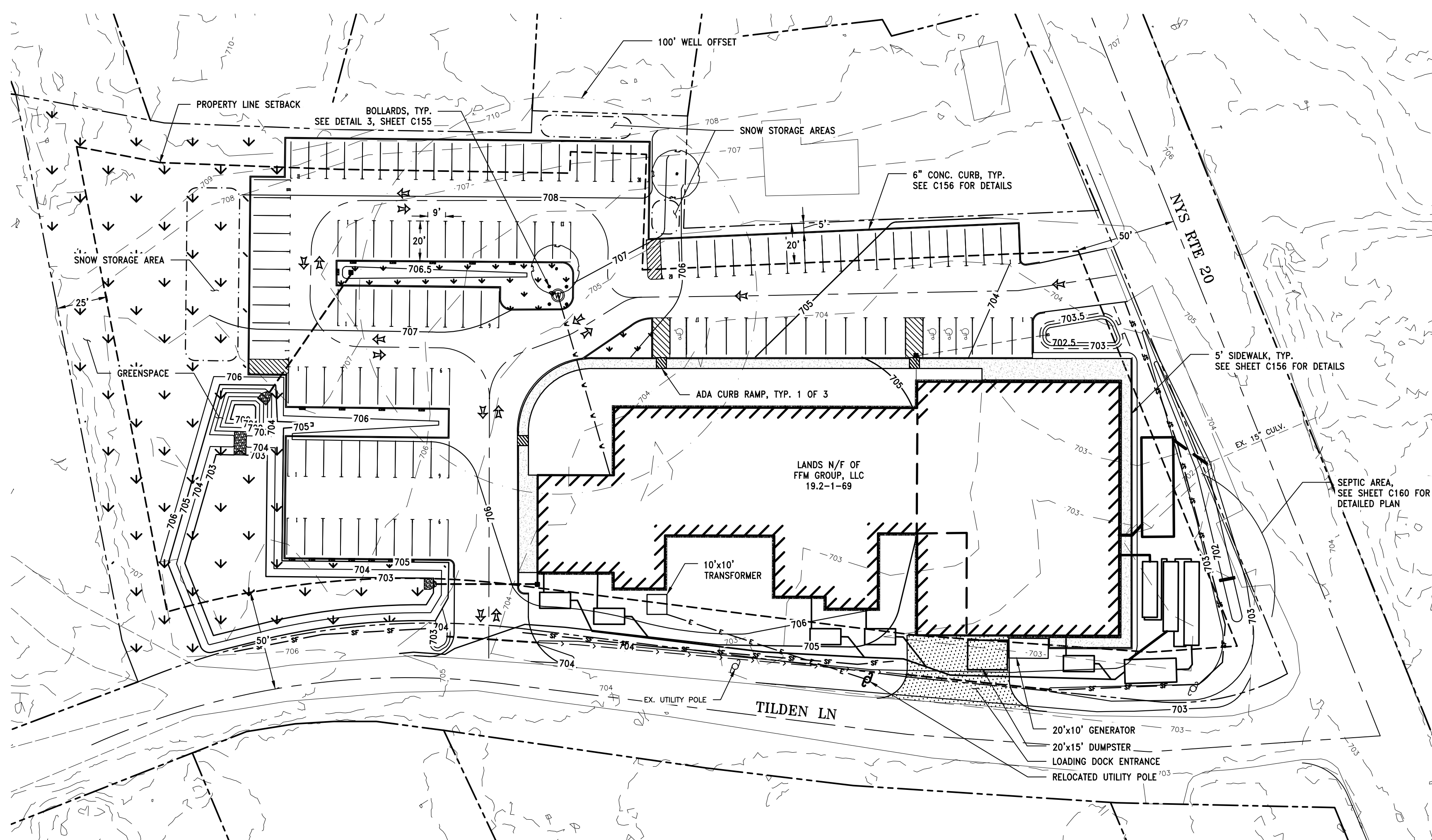
Issue/Rev.	Date	Remarks
1	7/7/25	PLANNING BOARD COMMENTS
1	5/7/25	PER PLANNING BOARD COMMENTS

Project Number	2024125
Drawn By	SK
Designed By	BJB
Checked By	BJB
Date	6/25/25
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File Name	C30

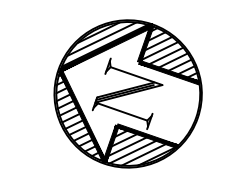
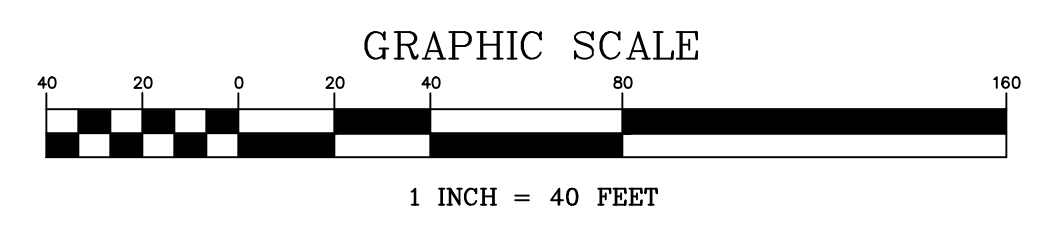
Sheet Title  
**EROSION AND SEDIMENT CONTROL DETAILS**

Sheet No.  
**C37**





OVERALL SITE PLAN  
1"=40'



LEGEND	
---	PROPERTY LINE
--- 700 ---	EX. CONTOURS
⊙	EX. WELL
○	EX. CULVERT AND CATCH BASIN
--- 705 ---	PROPOSED CONTOURS
— v — v —	PROPOSED WATER LINE
— — — —	PROPOSED SEWER LINE
— — — —	PROPOSED CULVERT
— > — > —	PROPOSED DRAINAGE DITCH
— e — e —	PROPOSED ELECTRICAL
— — — —	SILT FENCE

SITE PLAN NOTES:

- SEE SHEET C100 AND SECTION 02100 FOR CLEARING AND GRUBBING REQUIREMENTS AND LIMITATIONS.
- ALL EARTHWORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS.
- PERFORM EXCAVATION AND GRADING WORK IN ACCORDANCE WITH SECTIONS 02218, 02222, 02223 & 02225.
- ALL DISTURBED AREAS NOT RECEIVING ASPHALT OR CRUSHED STONE WEARING SURFACES SHALL BE TOPSOILED AND SEEDED. ADDITIONALLY, SOME AREAS REQUIRE PREPARATORY SOIL RESTORATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING, OF ANY ERRORS OR DISCREPANCIES.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING, OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF THE OWNER.
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EX. SUBSURFACE UTILITIES AT THE SITE PRIOR TO SETTING HEAVY EQUIPMENT (E.G. CRANES) AND MATERIALS ON THE SITE.
- PRIOR TO CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING DIG SAFE NEW YORK AND ANY REGIONAL UTILITIES TO LOCATE ALL RELATED UTILITIES.
- THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATIONS, ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINE AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND HIS REPRESENTATIVES, AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTIONS TO THE SATISFACTION OF THE OWNER AND HIS REPRESENTATIVES BEFORE AS-BUILT PLANS WILL BE ACCEPTED.
- CONTRACTOR SHALL FIELD VERIFY ALL LAYOUT DIMENSIONS AND ELEVATIONS WITH ENGINEER PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE A FIELD VISIT WITH ENGINEER TO REVIEW LAYOUT AND DIMENSIONS. CONTRACTOR SHALL SCHEDULE FIELD VISIT WITH ENGINEER TO CONFIRM FINISHED FLOOR ELEVATION.
- ALL SUITABLE TOPSOIL TO BE TEMPORARILY STOCKPILED (AS APPLICABLE) FOR REUSE.
- ALL MATERIALS TRANSPORTED OFF-SITE SHALL BE HANDLED IN SUCH A MANNER AS TO PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DE-WATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF THE WORK, IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN.
- BUILDING DIMENSIONS TO BE TAKEN FROM BUILDING CONSTRUCTION PLANS.
- ALL AREAS WITHIN THE LIMIT OF DISTURBANCE (SEE SHEET C100) MAY BE USED FOR STOCKPILING, EQUIPMENT STORAGE, AND FIELD OFFICES. ADDITIONAL SEDIMENT AND EROSION CONTROL PRACTICES MAY BE NEEDED TO PROTECT SENSITIVE AREAS. COORDINATE WITH ENGINEER.
- SEE ELECTRICAL DRAWINGS FOR ON-SITE ELECTRICAL, CONTROLS, AND INTERNET WIRING.

PARKING:

TOTAL SPACES: 117  
GROCERY: 38  
APARTMENTS: 79  
ACCESSIBLE: 4

REFUGE CALCULATIONS:

RESIDENTIAL:  
41 APTS x 2 x 30GAL. / 7.48 / 27 = 12 YARDS  
GROCERY:  
8 YARDS  
TOTAL AREA NEEDED: 20 YARDS  
20'x15' REFUGE AREA WILL FIT 3 - 8 YARD DUMPSTERS  
TOTAL AREA PROVIDED: 24 YARDS

REQUIRED AREA								
DISTRICT	MIN. LOT REQUIREMENTS		MINIMUM YARD DIMENSIONS			MAX. STORIES	MAX. BUILDING HEIGHT	MIN. ROAD FOOTAGE
	AREA	MAX. BLDG COVERAGE	SETBACK CL	REAR	SIDE			
GENERAL COMMERCIAL	30,000 SQ. FT.	75% OF LOT	50'	25'	20'	3	40'	100'

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FACILITY OPERATIONS  
197 ELM ST., COBLESKILL, NY 12043  
(518) 234-4028  
www.lamontengineers.com

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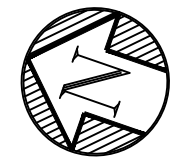


Issue/Rev.	Date	Remarks
A	6/7/24	100% 20% REVIEW
B	6/7/24	100% 20% REVIEW
C	6/7/24	100% 20% REVIEW

Project Number: 2024125  
Drawn By: SK  
Designed By: BJB  
Checked By: BJB  
Date: 6/7/24  
Scale: 1"=40'  
File Name: BM\_TILDEN

Sheet Title  
**SITE PLAN**

Sheet No.  
**C110**



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Stamp

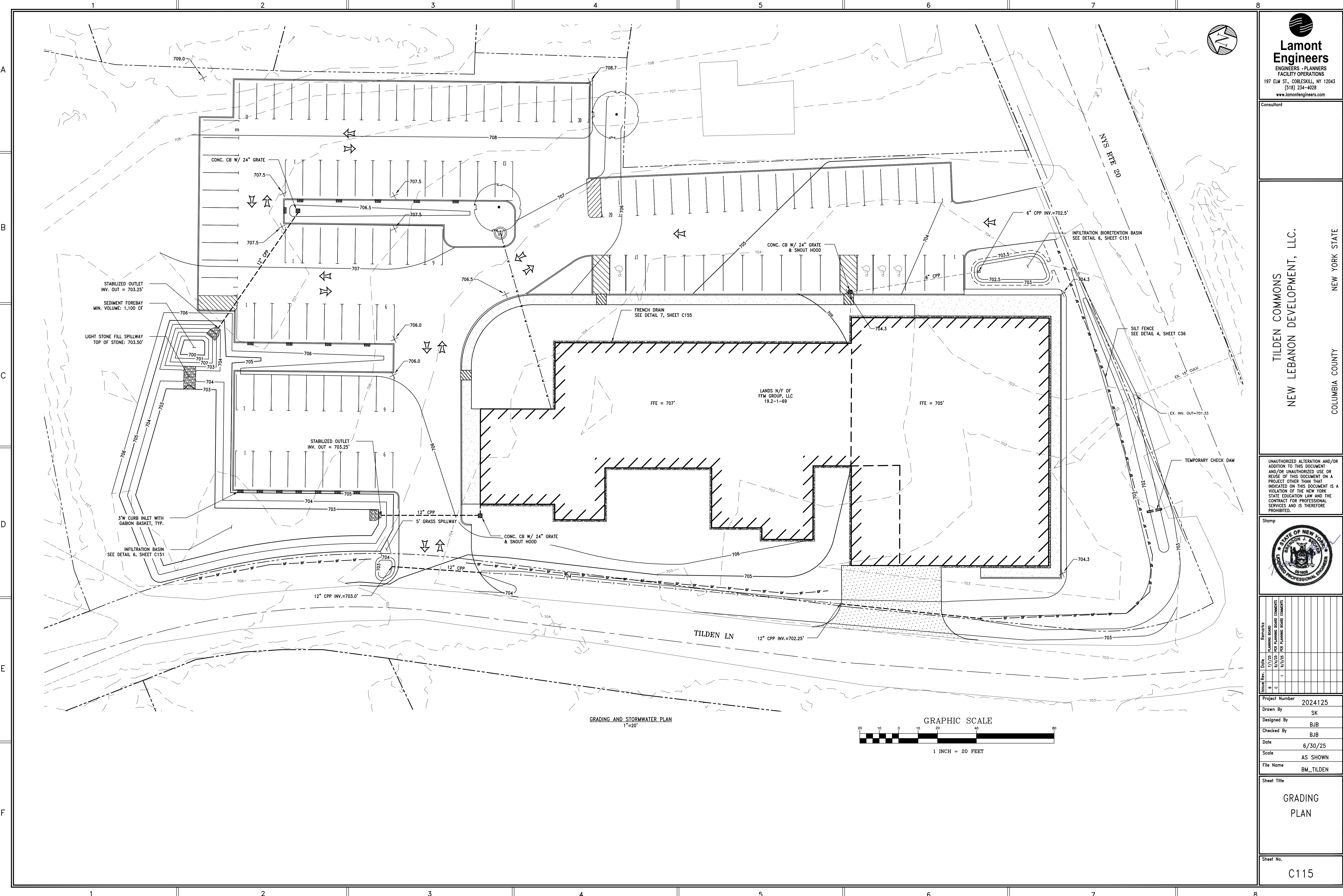


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2	8/7/25	PER PLANNING BOARD COMMENTS

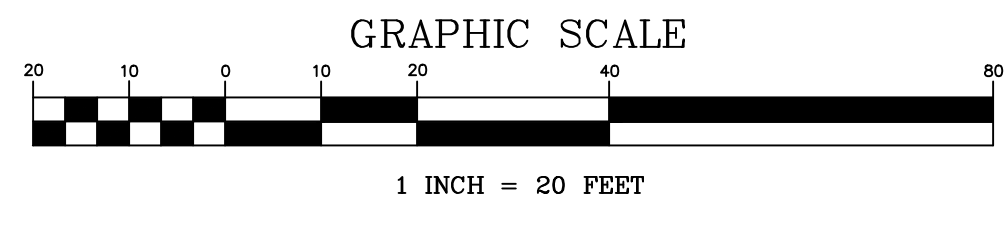
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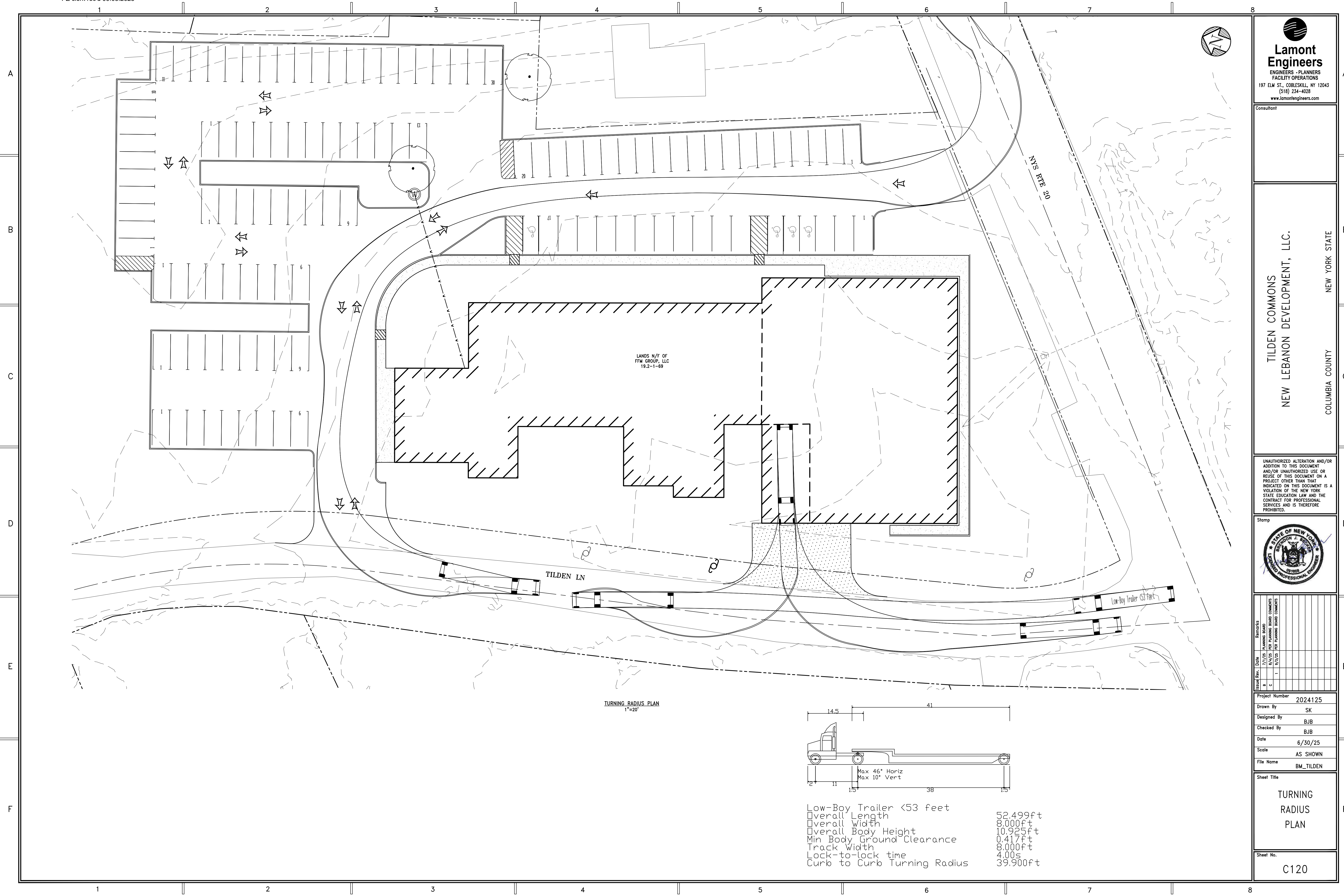
Sheet Title  
**GRADING PLAN**

Sheet No.  
**C115**

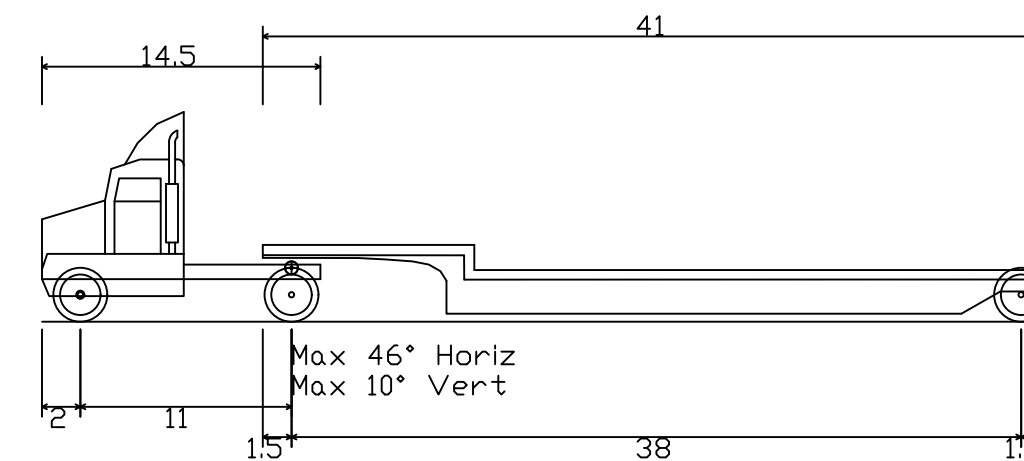


GRADING AND STORMWATER PLAN  
1"=20'





TURNING RADIUS PLAN  
1"=20'



Low-Boy Trailer <53 feet

Overall Length	52.499ft
Overall Width	8.000ft
Overall Body Height	10.925ft
Min Body Ground Clearance	0.417ft
Track Width	8.000ft
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	39.900ft

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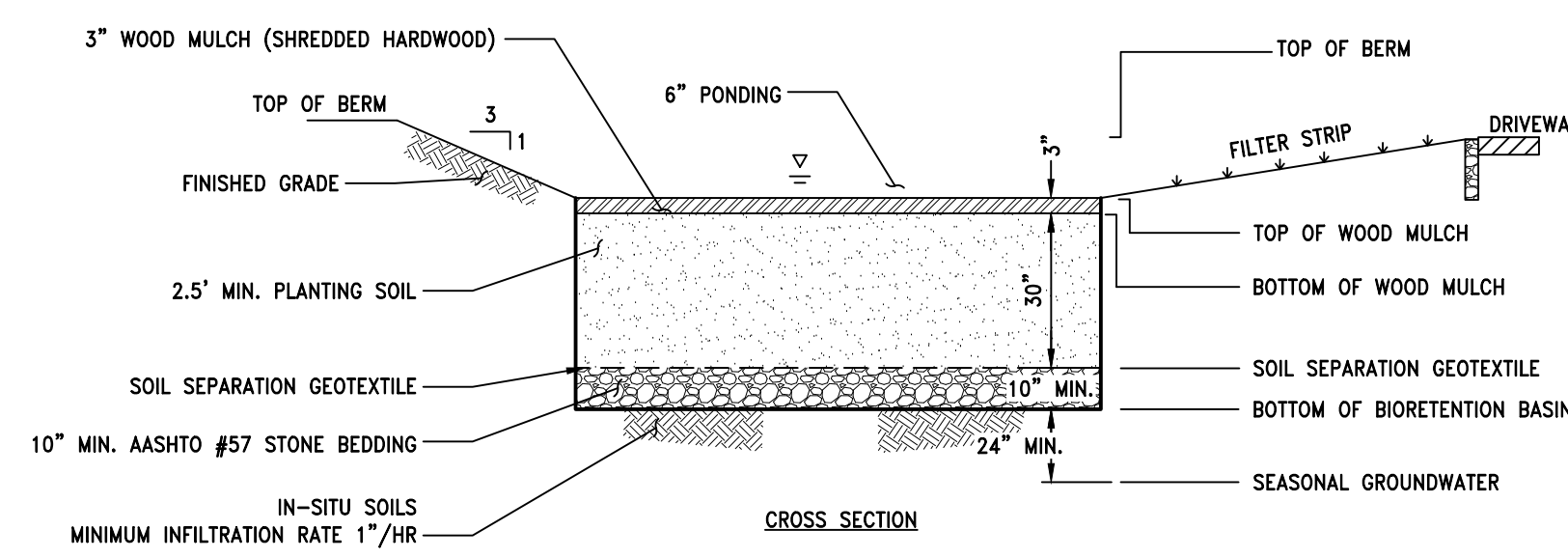
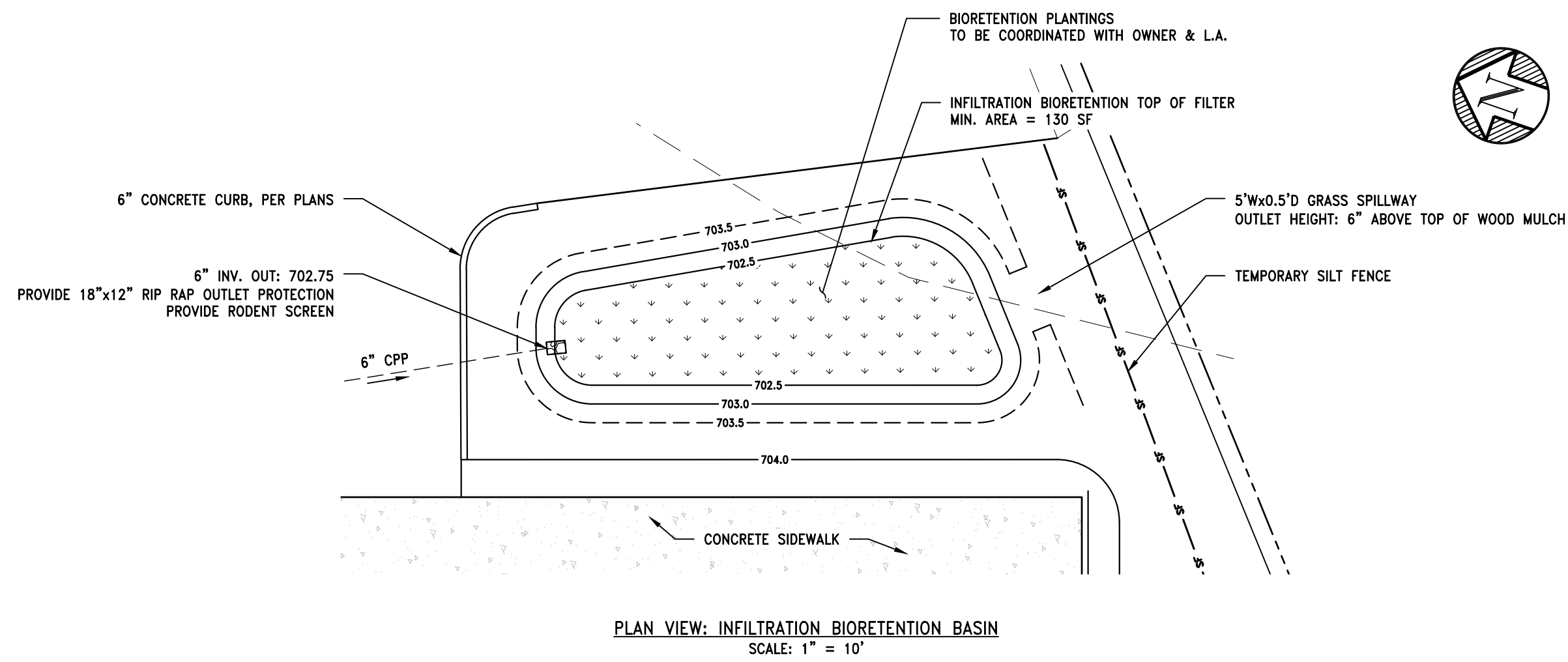


Issue Rev.	Date	Remarks
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2	8/1/25	PER PLANNING BOARD COMMENTS

Project Number 2024125  
Drawn By SK  
Designed By BJB  
Checked By BJB  
Date 6/30/25  
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File Name BM\_TILDEN

TURNING RADIUS PLAN

Sheet No. C120



**BIORETENTION ELEVATION SCHEDULE**

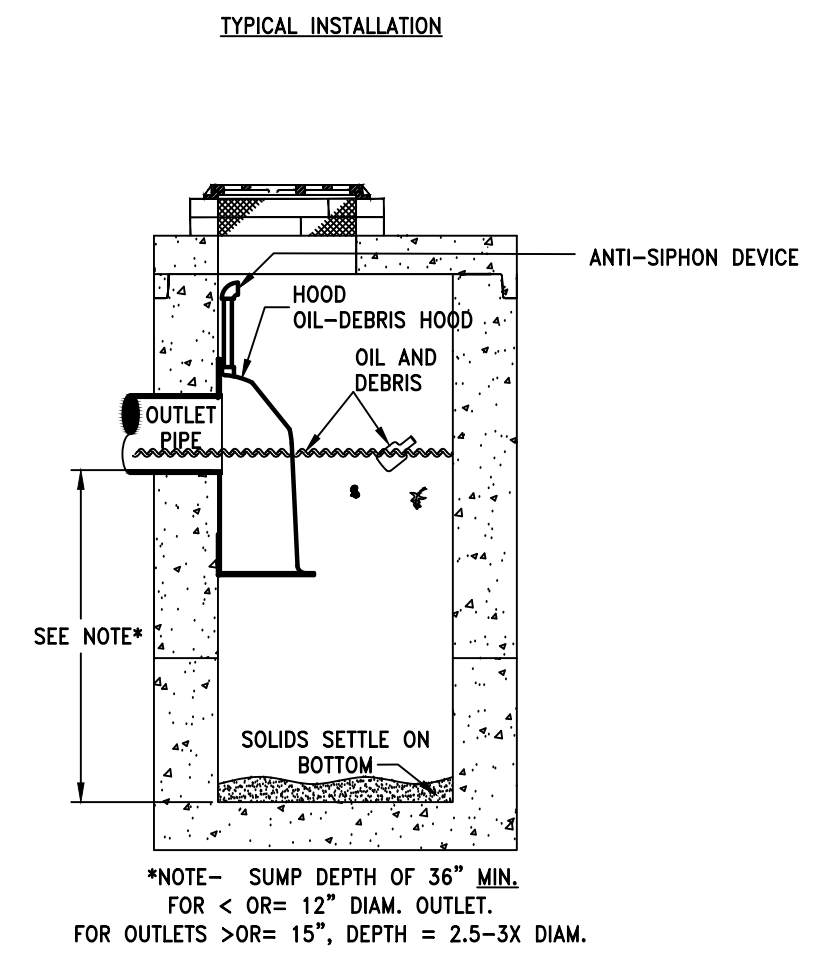
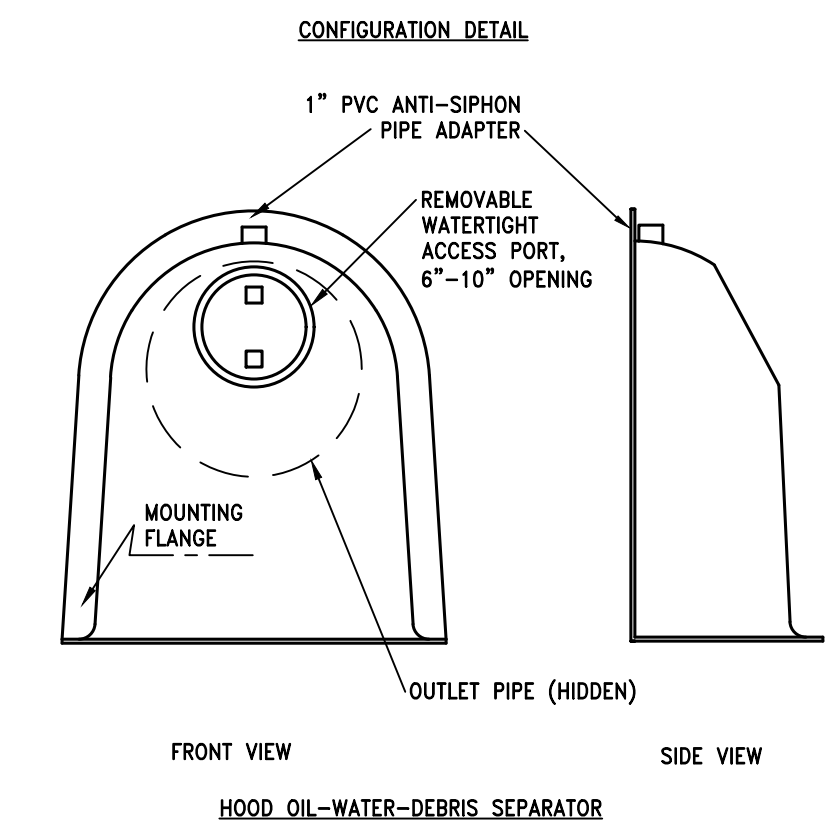
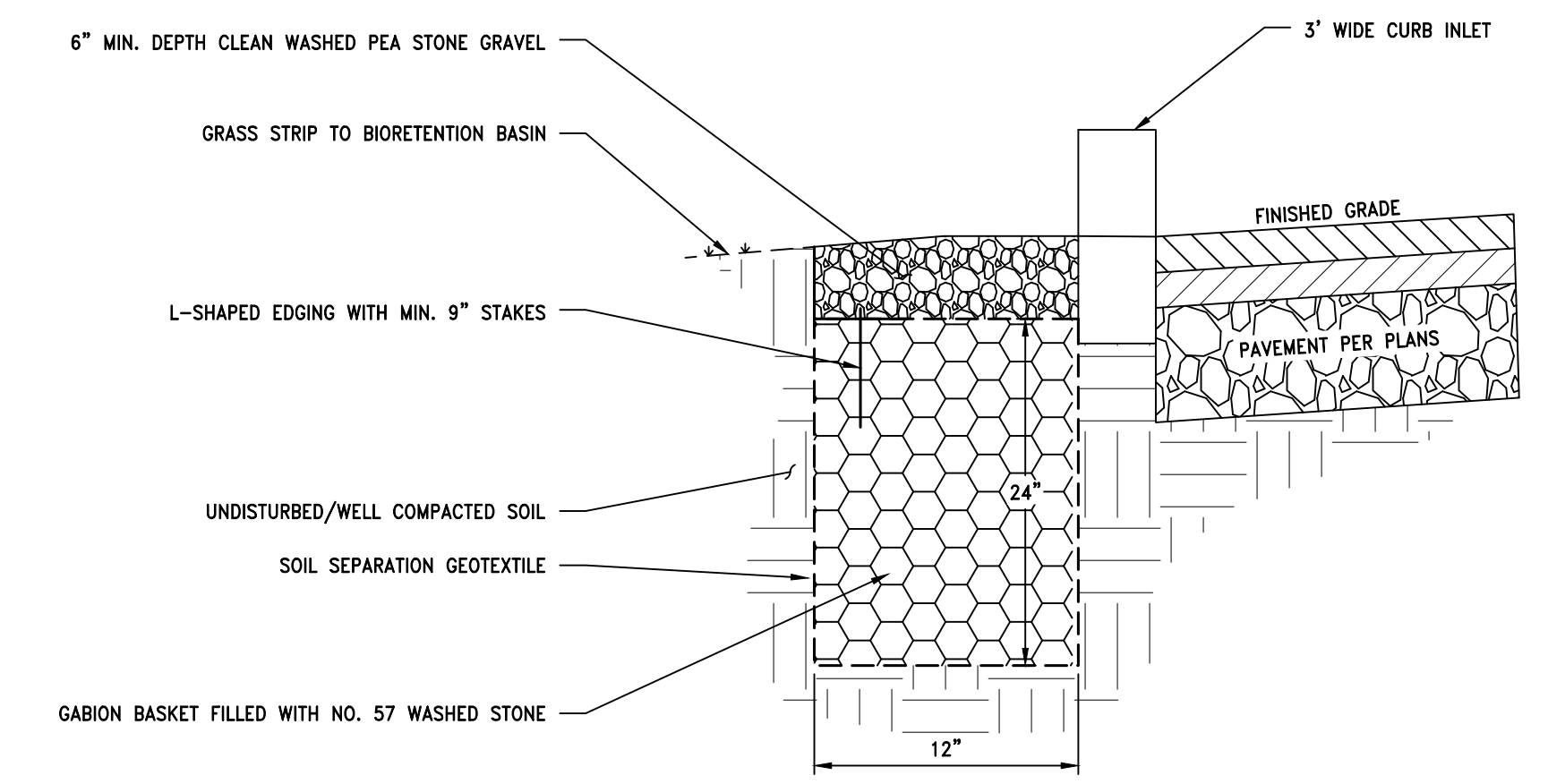
BASIN 1	
TOP OF BERM	703.50
PONDING DEPTH	703.00
TOP OF WOOD MULCH	702.50
BOTTOM OF WOOD MULCH	702.25
SOIL SEPARATION GEOTEXTILE	699.75
BOTTOM OF BIORETENTION BASIN	689.92

- PLANTING SOIL CHARACTERISTICS**
- THE PLANTING SOIL SHALL BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER, BRUSH OR SEEDS FROM NOXIOUS WEEDS. THE PLANTING SOIL SHALL BE A WELL-BLENDED MIXTURE OF THREE (3) PARTS SAND AND ONE (1) PART TOPSOIL, BY VOLUME.
  - SAND SHALL CONFORM TO ASTM STANDARD C-33 FOR CLEAN WASHED SAND.
  - TOPSOIL SHALL CONFORM WITH NYS DOT SECTION 713-01.
  - A PERMEABILITY OF AT LEAST 1.0 FEET PER DAY (0.5"/HR) IS REQUIRED. PLACEMENT OF THE PLANTING SOIL SHOULD BE IN LIFTS OF 12 TO 18", LOOSELY COMPACTED (TAMPED LIGHTLY WITH A DOZER OR BACKHOE BUCKET).
  - CONTRACTOR SHALL PROVIDE SUBMITTAL OF SAND AND TOPSOIL TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

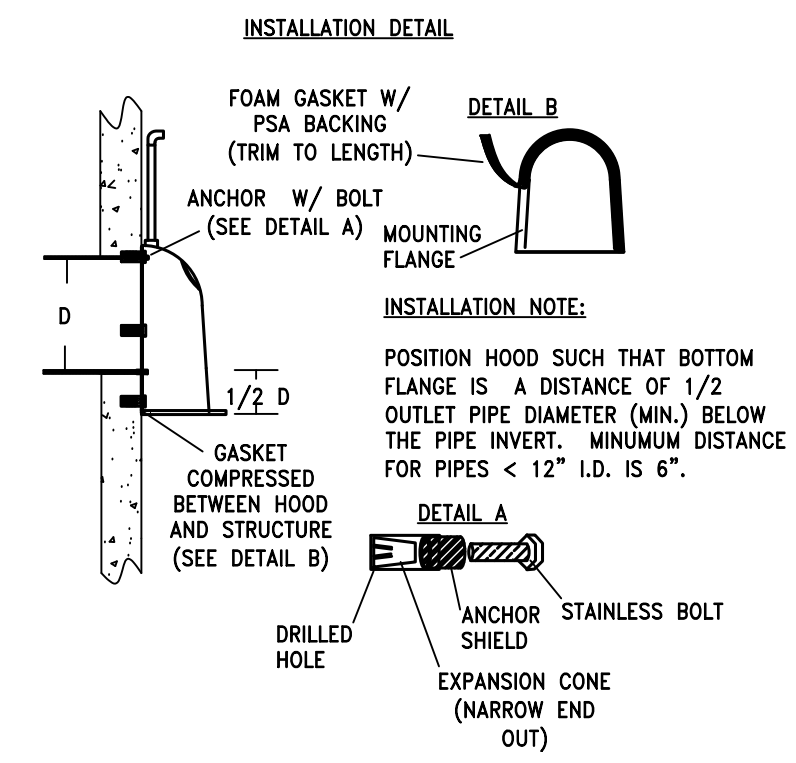
**BIORETENTION BASIN PLANTING PLAN**

Item Number / Identifier	Type	Mature Height	Mature Spread	Common Name	Latin Name	Planting	Hydrologic zone	Inundation Tolerant	Location/Planting Instructions
RM	Deciduous Tree	40'-60'	30'-40'	Red Maple	Acer Rubrum	1'-4" Sapling	3-6	Yes	Per Plans
SA	Deciduous Tree	10'-20'	8'-15'	Smooth Alder	Alnus Serrulata	1'-4" Sapling	3-5	Yes	Per Plans
AV	Deciduous Shrub	6'-15'	6'-15'	Arrowwood Viburnum	Viburnum Dentatum	#3 Container	3-4	YES	Per Plans
WB	Deciduous Shrub	7'-8'	7'-8'	Winterberry	Ilex Verticillata	#3 Container	3-5	Yes	Per Plans
SB	Deciduous Shrub	8'-12'	6'-12'	Common Spicebush	Lindera Benzoin	#3 Container	3-5	Yes	Per Plans

- PLANTING PLAN NOTES:**
- PLANTING SCHEDULE SHOWN IS FOR REFERENCE. PLANTINGS TO BE COORDINATED WITH OWNER, LANDSCAPE ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION OF BIORETENTION BASINS.
  - CONTRACTOR SHALL SUBMIT PLANTING SCHEDULE TO ENGINEER FOR APPROVAL PRIOR TO SEEDING OR PLANTING. ALL PLANTINGS SHALL BE NATIVE AND APPROPRIATE FOR USE IN THE PROPOSED PRACTICE.
  - MATURE HEIGHTS AND SPREAD BASED ON INFO PROVIDED BY THE ARBOR DAY FOUNDATION & US FOREST SERVICE.
  - DURABLE, LEGIBLE LABELS WITH THE SCIENTIFIC AND COMMON NAME AND CULTIVAR SHALL BE SECURELY ATTACHED TO PLANTS, BUNDLES OF SEEDLINGS, CONTAINERS, AND/OR FLATS.
  - PLANT ALL DECIDUOUS TREES AND SHRUBS BETWEEN APRIL 1 - JUNE 1 AND OCTOBER 15 - DECEMBER 15.
  - PLANT TREES AND SHRUBS PER "TREES, SHRUBS, AND VINES" SECTION OF THE NYS SEDIMENT AND EROSION CONTROL MANUAL, A.K.A. THE "BLUE BOOK." SECTION IS FOUND ON PAGES 4.63-4.64.

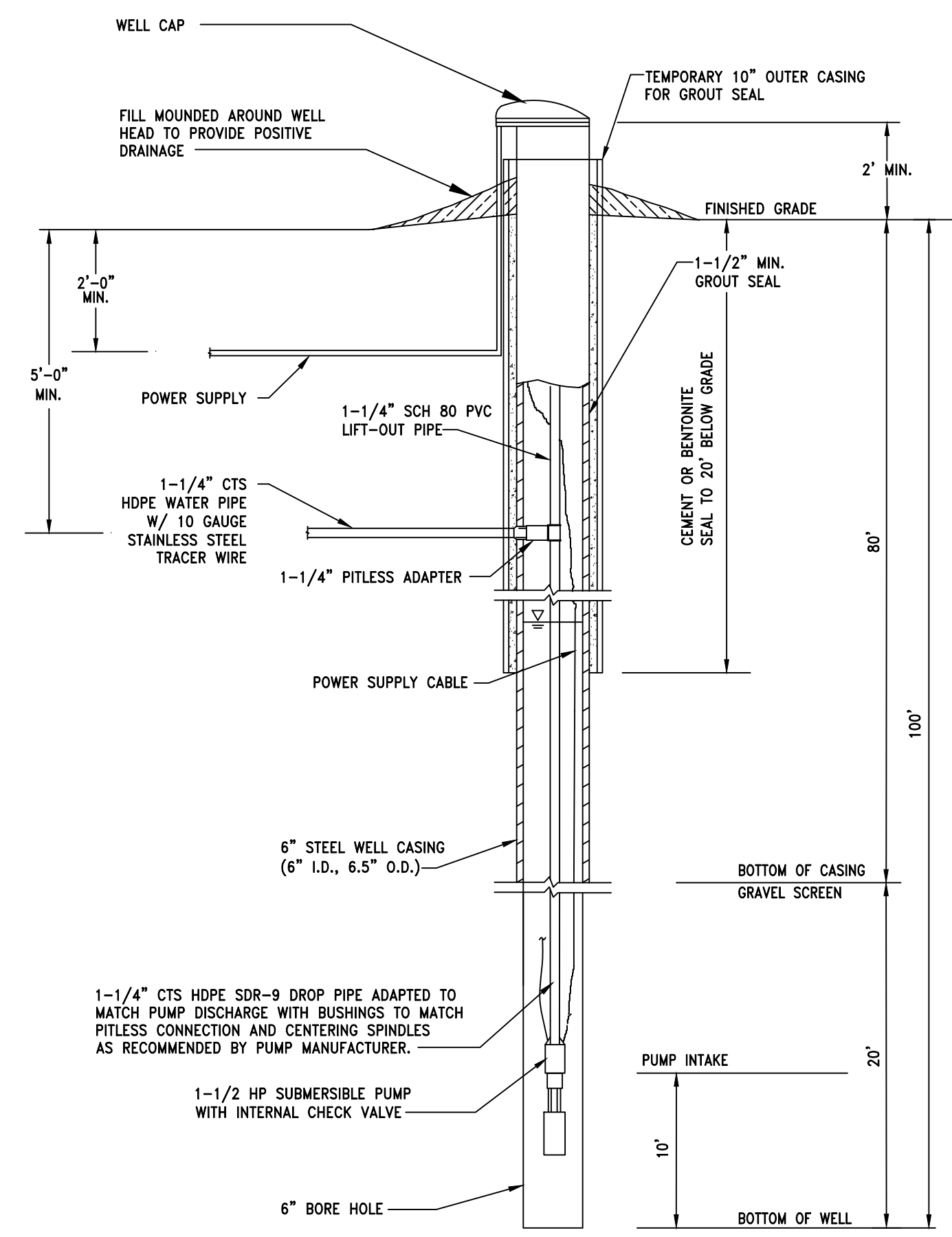


- NOTES:**
- ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY: BEST MANAGEMENT PRODUCTS, INC. 53 MT. ARCHER RD. LYME, CT 06371 (860) 434-0277, (860) 434-3195 FAX TOLL FREE: (800) 504-8008 OR (888) 434-0277 WEB SITE: www.bmplnc.com OR PRE-APPROVED EQUAL
  - ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
  - ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT PIPE AND ELBOW AS DRAWN. (SEE CONFIGURATION DETAIL).
  - THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION (HOOD SIZE ALWAYS LARGER THAN PIPE SIZE).
  - THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
  - THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
  - THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.
  - THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
  - INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT. INSTALLATION KIT SHALL INCLUDE: A. INSTALLATION INSTRUCTIONS B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING D. 3/8" STAINLESS STEEL BOLTS E. ANCHOR SHIELDS

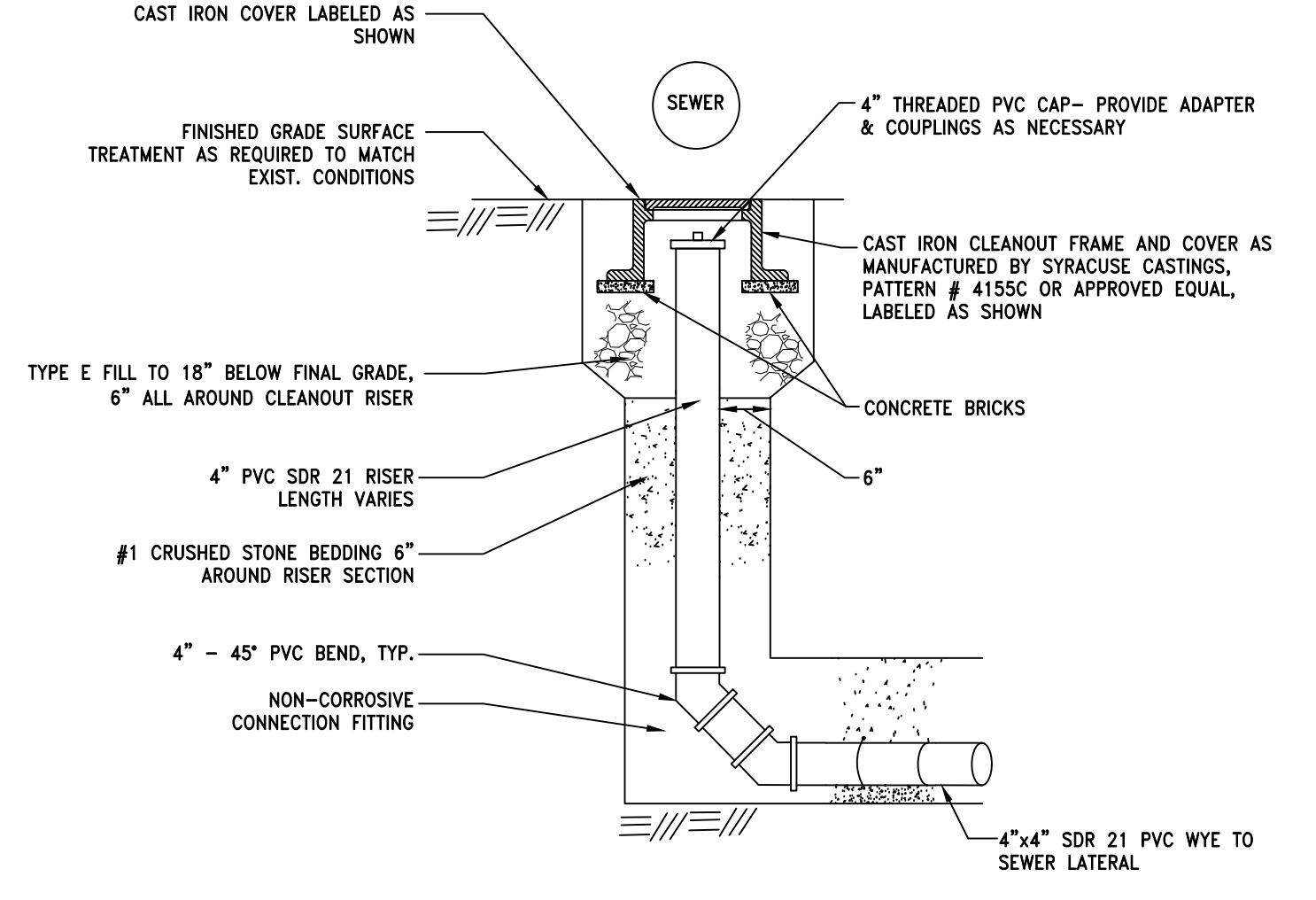


**3 HOOD DETAILS AND NOTES**  
SCALE: N.T.S.

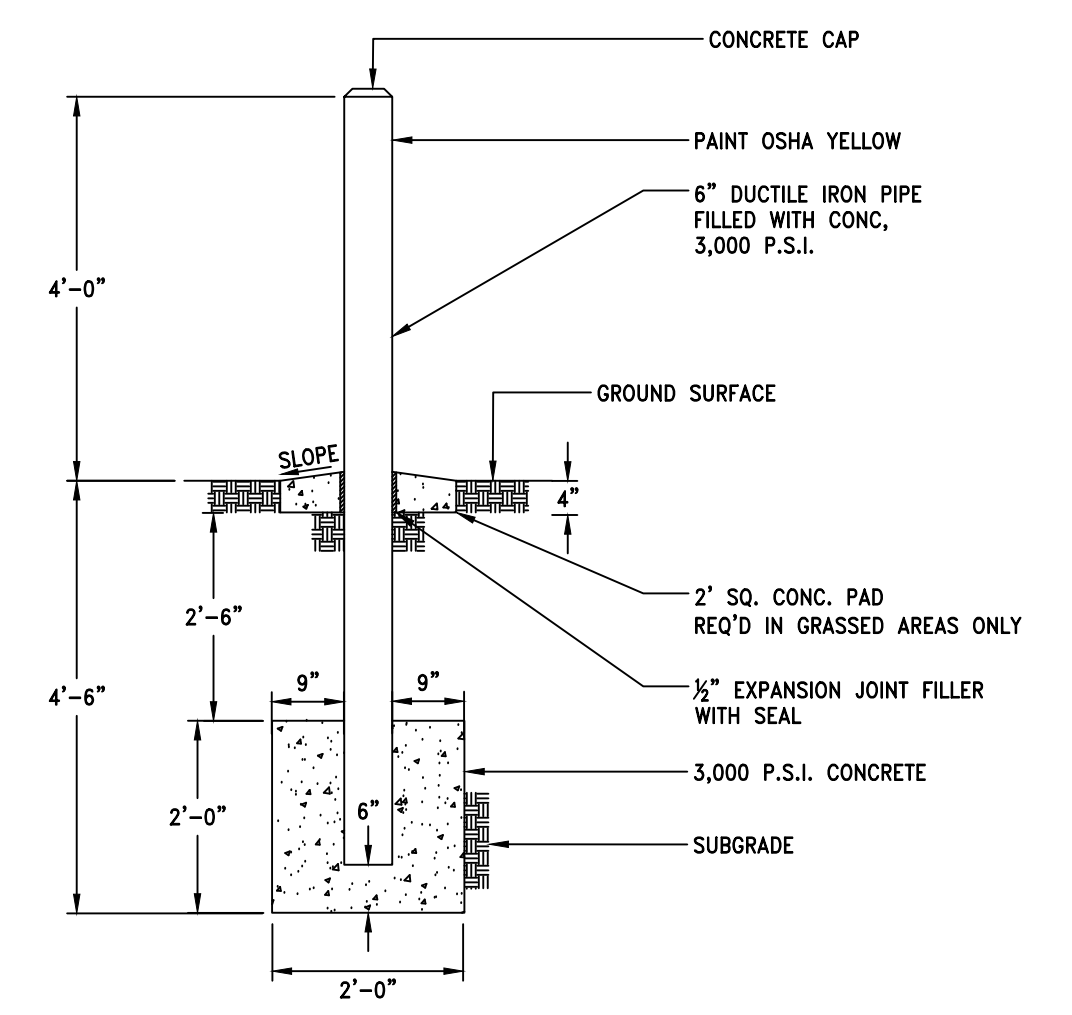




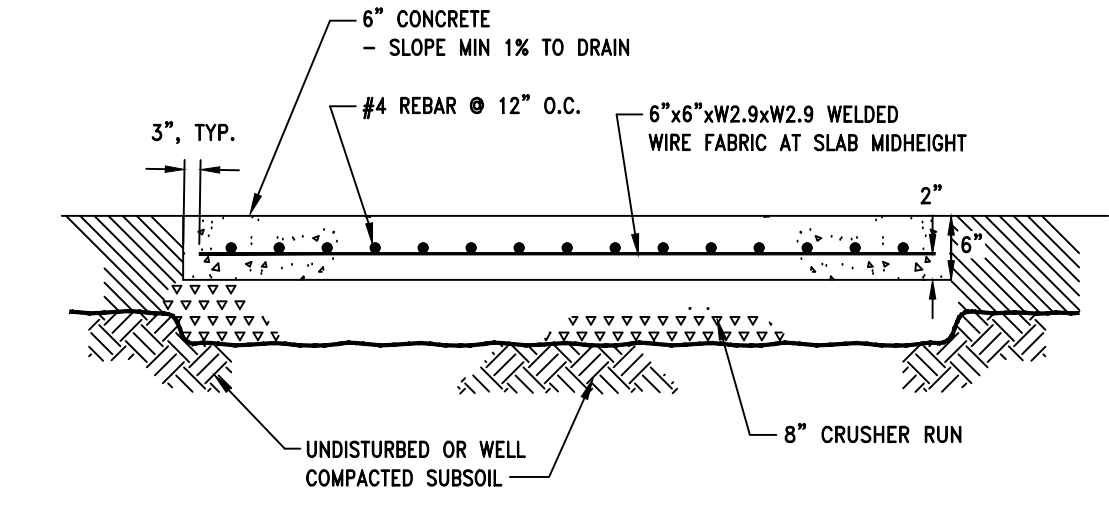
1 WELL DETAIL  
SCALE: N.T.S.



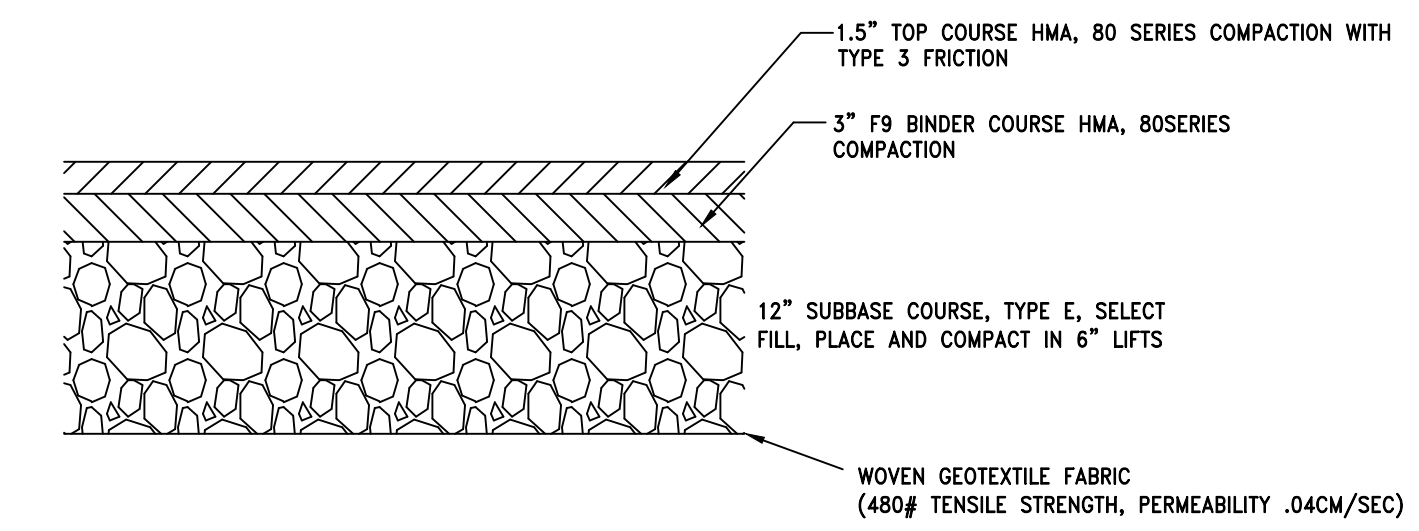
2 TYPICAL PVC CLEANOUT DETAIL  
SCALE: N.T.S.



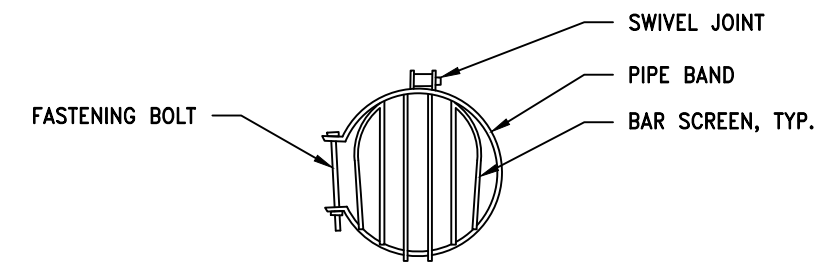
3 TYPICAL BOLLARD DETAIL  
SCALE: N.T.S.



4 TYPICAL CONCRETE EQUIPMENT PAD DETAIL  
SCALE: N.T.S.

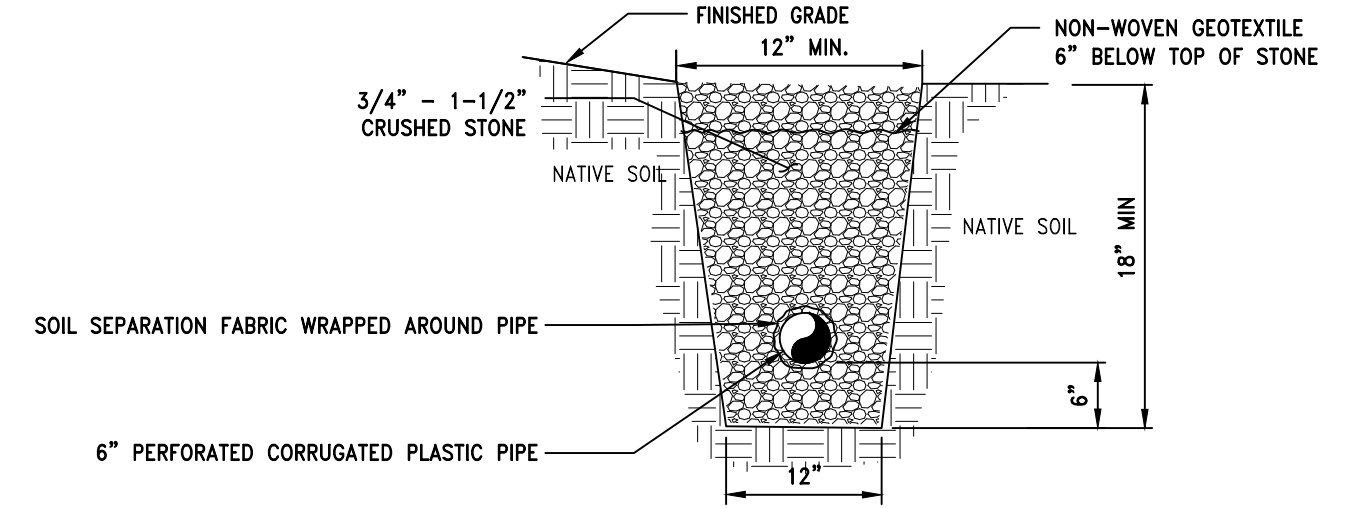


5 STANDARD ASPHALT PAVEMENT DETAIL  
SCALE: N.T.S.

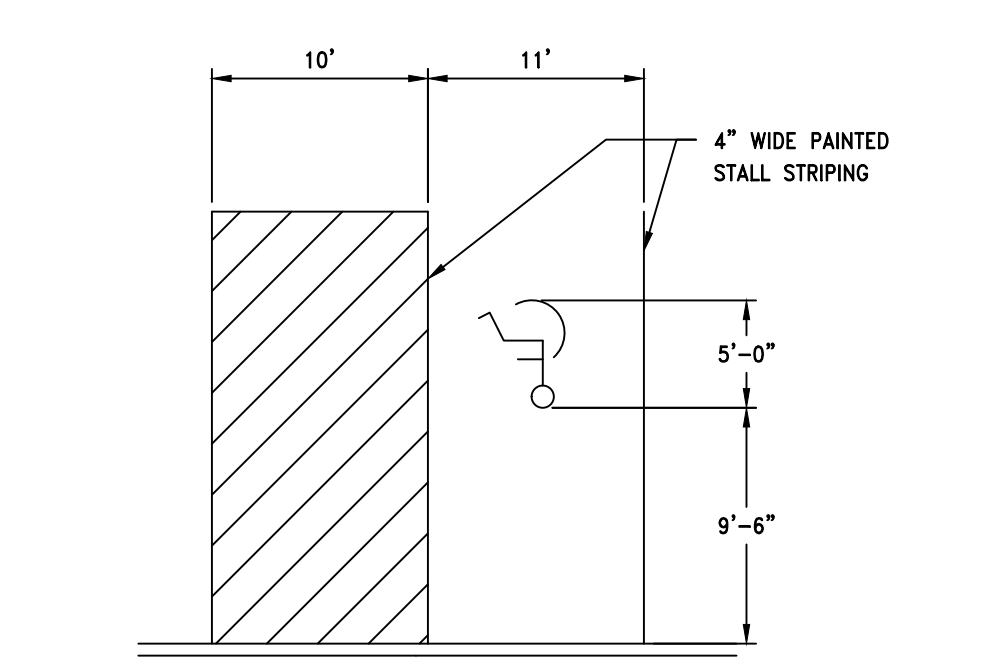


- NOTES:
1. FOR PVC PIPE USE BAND-TYPE RAT GUARD BY AGRIDRAIN, OR EQUAL.
  2. FOR CORRUGATED HDPE PIPE USE EXTERNAL RODENT GUARDS BY AGRIDRAIN, OR EQUAL.
  3. PROVIDE APPROPRIATELY SIZED SCREEN PER PIPE DIAMETER.
  4. ALL SCREENS SHALL BE SECURED TO THE EXTERIOR OF THE PIPE'S OUTLET. INTERNAL MESH GUARDS SHALL NOT BE ACCEPTED.

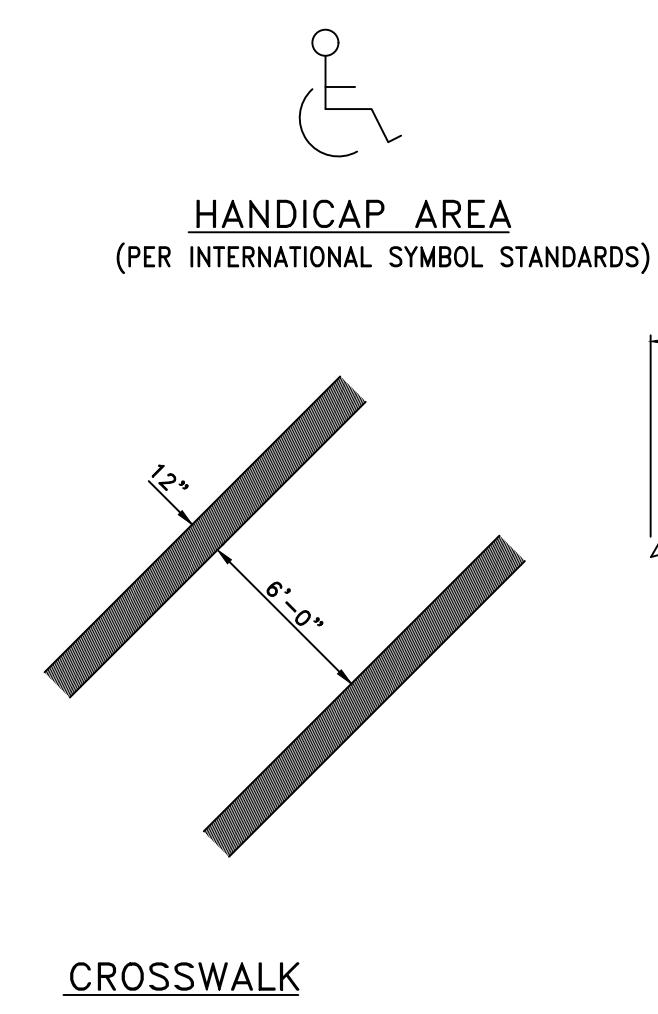
6 TYPICAL RODENT SCREEN DETAIL  
SCALE: N.T.S.



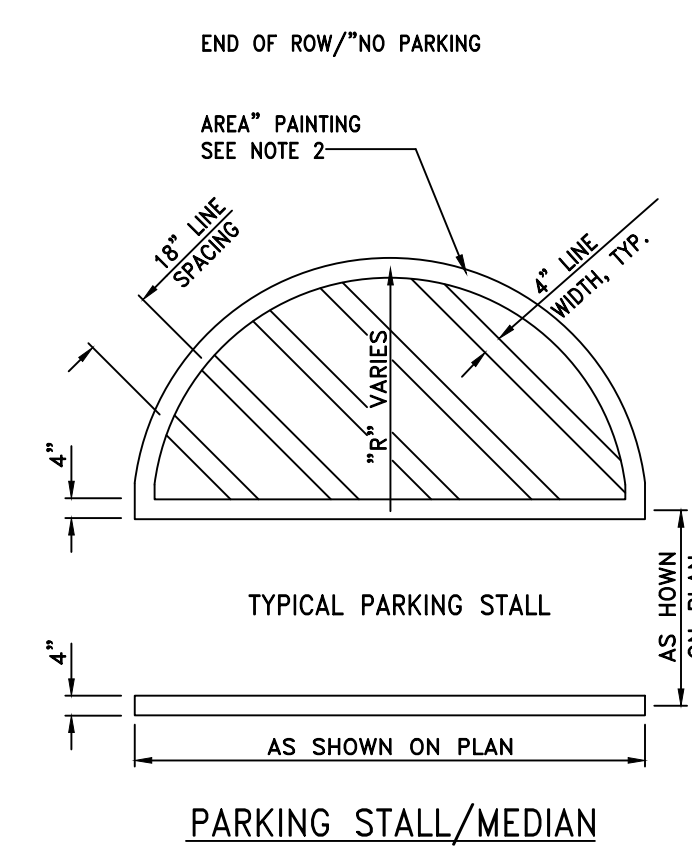
7 FRENCH DRAIN DETAIL  
SCALE: N.T.S.



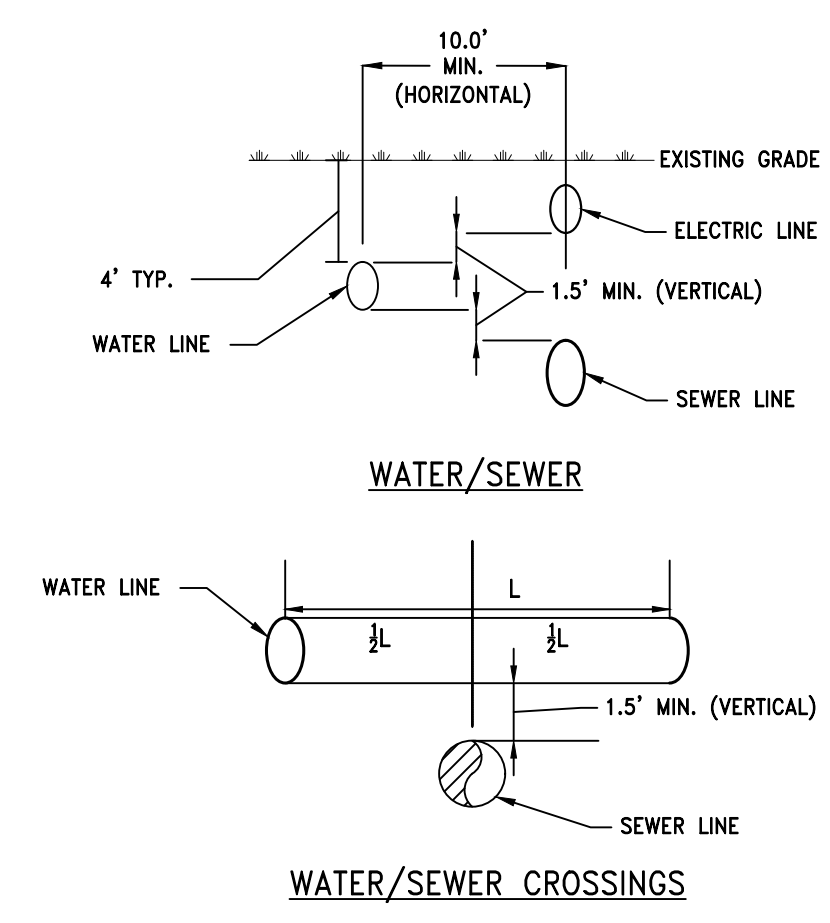
8 HC PARKING STALL  
SCALE: N.T.S.



9 PAVEMENT MARKINGS DETAILS  
SCALE: N.T.S.



10 TYPICAL DETAILS FOR UTILITY CROSSINGS  
SCALE: NOT TO SCALE



- NOTES:
1. ALL SEWER MAIN AND WATER MAINS SHALL BE SEPARATED BY DISTANCES SPECIFIED IN THE RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES (10 STATES STANDARDS).
  2. PIPE JOINTS ARE TO BE ARRANGED SO THAT SEWER MAIN JOINTS AND WATER MAIN JOINTS ARE SEPARATED AS FAR AS POSSIBLE FROM EACH OTHER.

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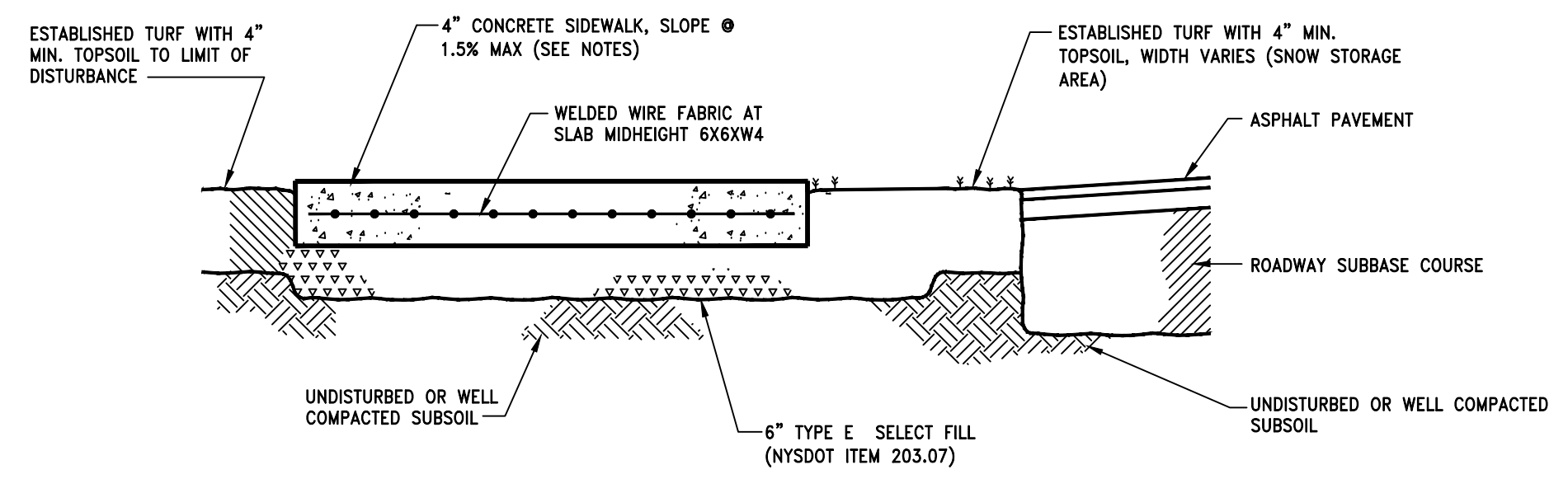
Issue No.	Date	By	For
1	7/7/25	PLANNING BOARD	CONSENT
2	8/7/25	PLANNING BOARD	CONSENT

Project Number: 2024125  
Drawn By: AS  
Designed By: BJB  
Checked By: BJB  
Date: 6/30/25  
Scale: AS SHOWN  
File Name: BM\_TILDEN

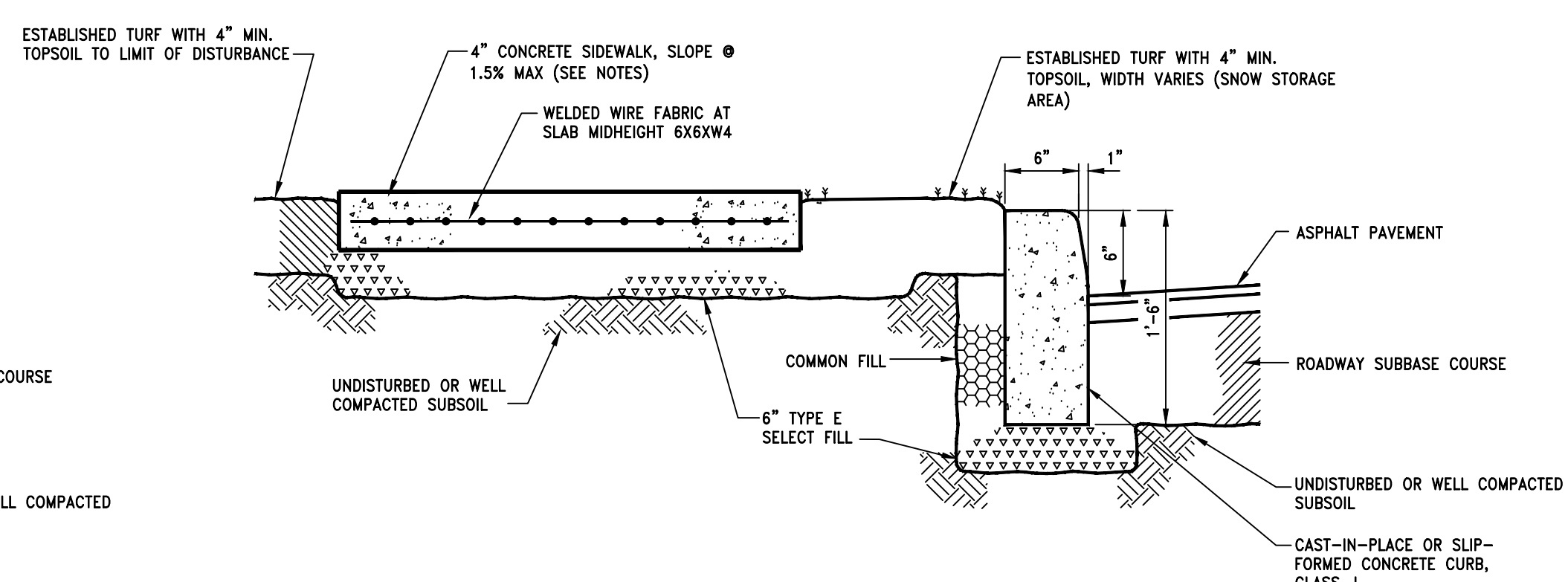
Sheet Title: SITE DETAILS

Sheet No.: C155

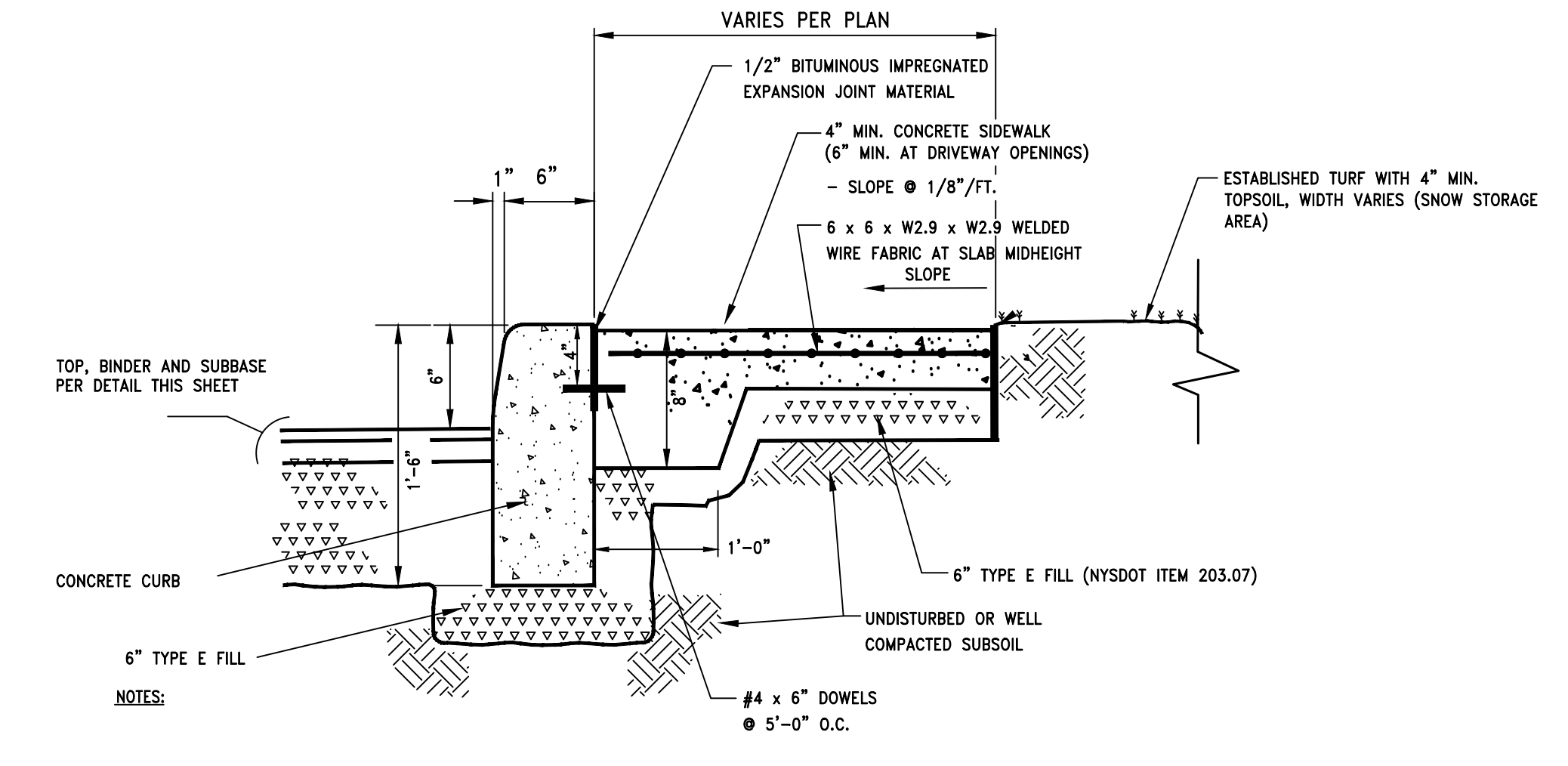
- NOTES:
1. INCREASE SIDEWALK THICKNESS TO 6" MIN. AND INCREASE REINFORCEMENT PER SECTION 02520 THROUGHOUT LENGTH OF DRIVEWAY OPENINGS.
  2. MATCH EXISTING SIDEWALK WIDTHS BY PROVIDING A 10'-0" LONG TAPER SECTION.
  3. SIDEWALK CONCRETE SHALL BE NYSDOT CLASS D (NYSDOT ITEM 606.0101) WITH FIBER MESH (2 LBS/CY).



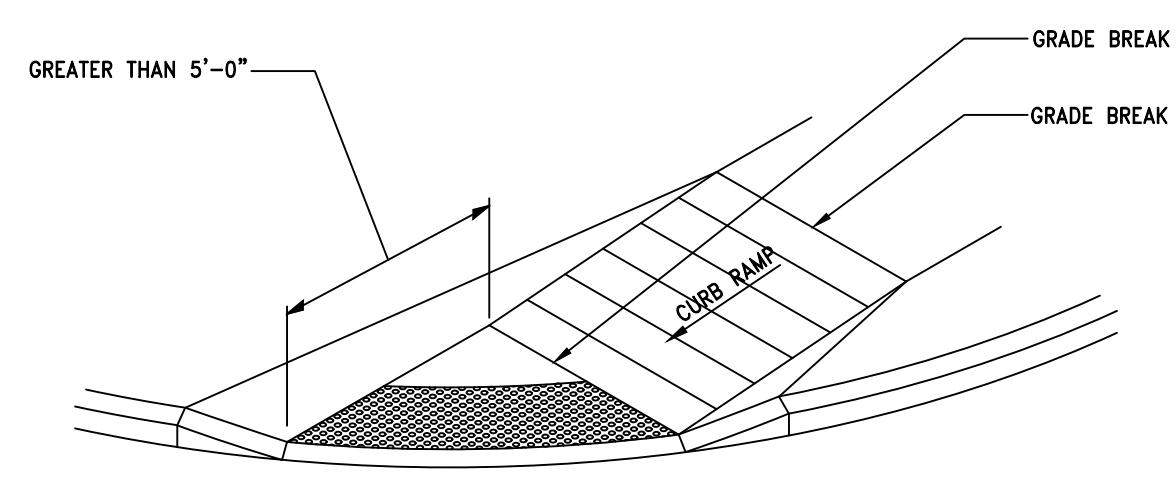
**1** SIDEWALK DETAILS  
SCALE: N.T.S.



**2** SIDEWALK AND CURB DETAILS  
SCALE: N.T.S.

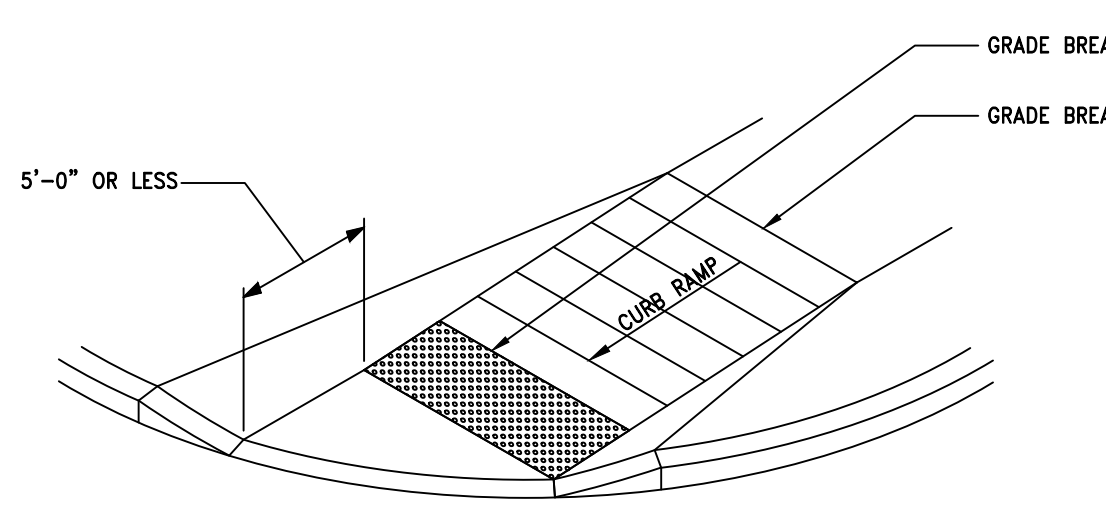


**3** INTEGRAL SIDEWALK AND CURBING DETAILS  
SCALE: N.T.S.

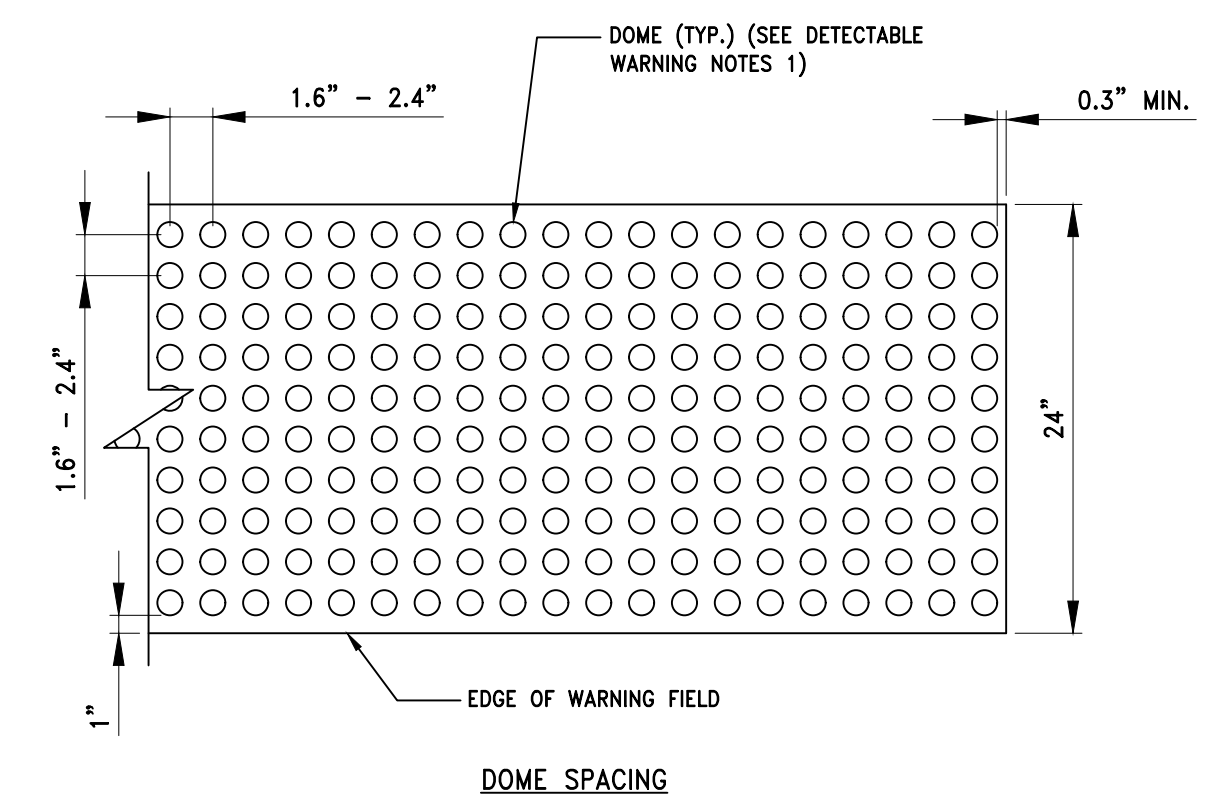
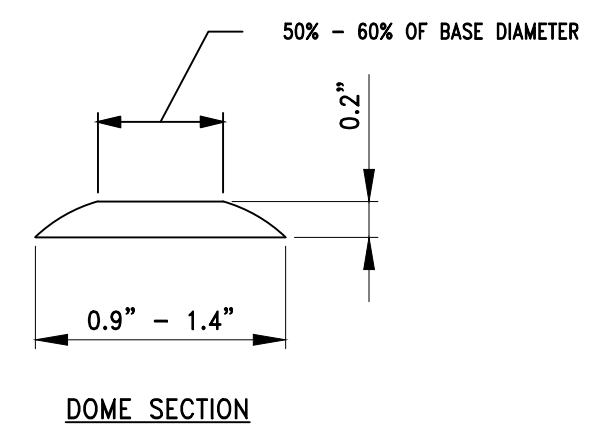


**DETECTABLE WARNING PLACEMENT DETAIL 1**  
NOTE: IF THE DISTANCE FROM THE BOTTOM GRADE BREAK IS GREATER THAN OR EQUAL TO 5'-0", DETECTABLE WARNINGS SHOULD BE PLACED ALONG THE RADIUS OF THE CURVE AS SHOWN IN THE ABOVE DETAIL.

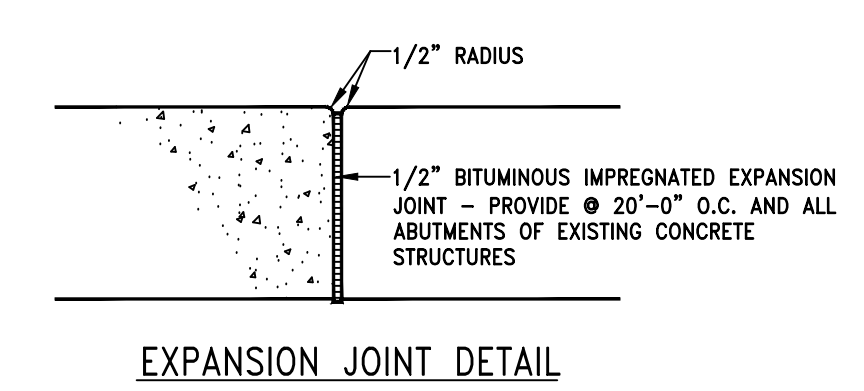
- DETECTABLE WARNING NOTES:**
1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
  2. **DETECTABLE WARNING UNIT DIMENSIONS:** THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUSIVE OF SIDE FLARES.
  3. **DOMES ALIGNMENT:** THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP LANDING OR CURB RAMP AND THE STREET.
  4. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.
  5. **COLOR REQUIREMENTS:** THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
  6. **DETECTABLE WARNINGS LOCATIONS:** DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OR CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 5" TO 9" FROM THE FRONT OF THE CURB OR THE ROADWAY EDGE (12" WHERE TRAVERSABLE CURB IS USED).



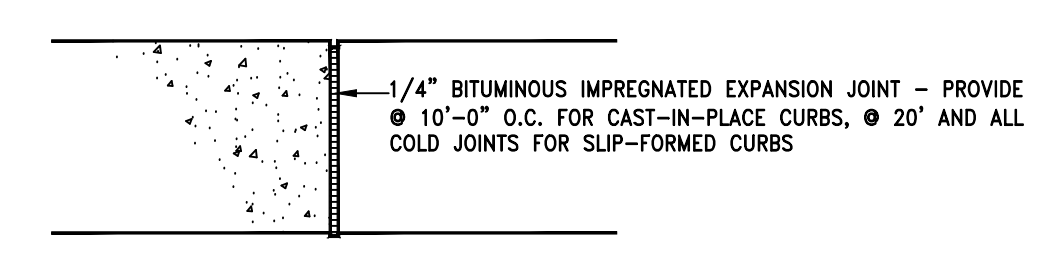
**DETECTABLE WARNING PLACEMENT DETAIL 2**  
NOTE: IF THE DISTANCE FROM THE BOTTOM GRADE BREAK IS LESS THAN OR EQUAL TO 5'-0", DETECTABLE WARNINGS SHOULD BE PLACED ON THE CURB RAMP ALONG THE BOTTOM GRADE BREAK WITH ONE CORNER 5" TO 9" FROM THE FRONT OF THE CURB OR EDGE OF THE ROADWAY.



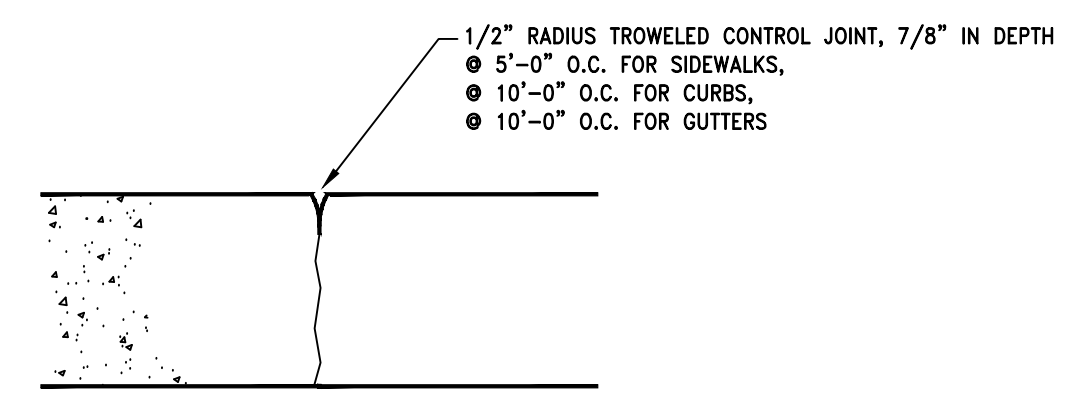
**4** CONCRETE SIDEWALK DETECTABLE WARNING DETAILS  
SCALE: N.T.S.



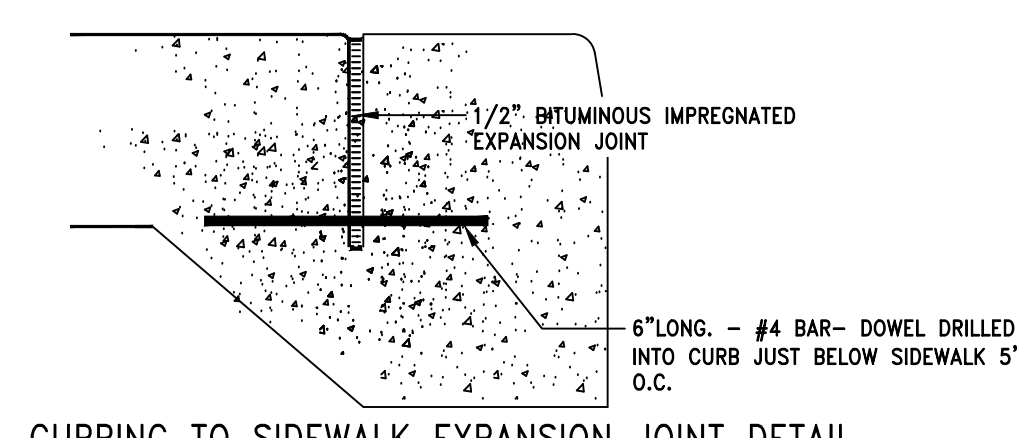
**EXPANSION JOINT DETAIL**



**CURBING EXPANSION JOINT DETAIL**



**CONTROL JOINT DETAIL**



**CURBING TO SIDEWALK EXPANSION JOINT DETAIL**

- NOTE:  
1. SIDEWALKS TO BE PICTURE FRAMED W/ BROOM FINISH.

**5** TYPICAL CONSTRUCTION DETAILS FOR SIDEWALKS AND CURBS  
SCALE: N.T.S.

TILDEN COMMONS  
NEW LEBANON DEVELOPMENT, LLC.  
NEW YORK STATE  
COLUMBIA COUNTY

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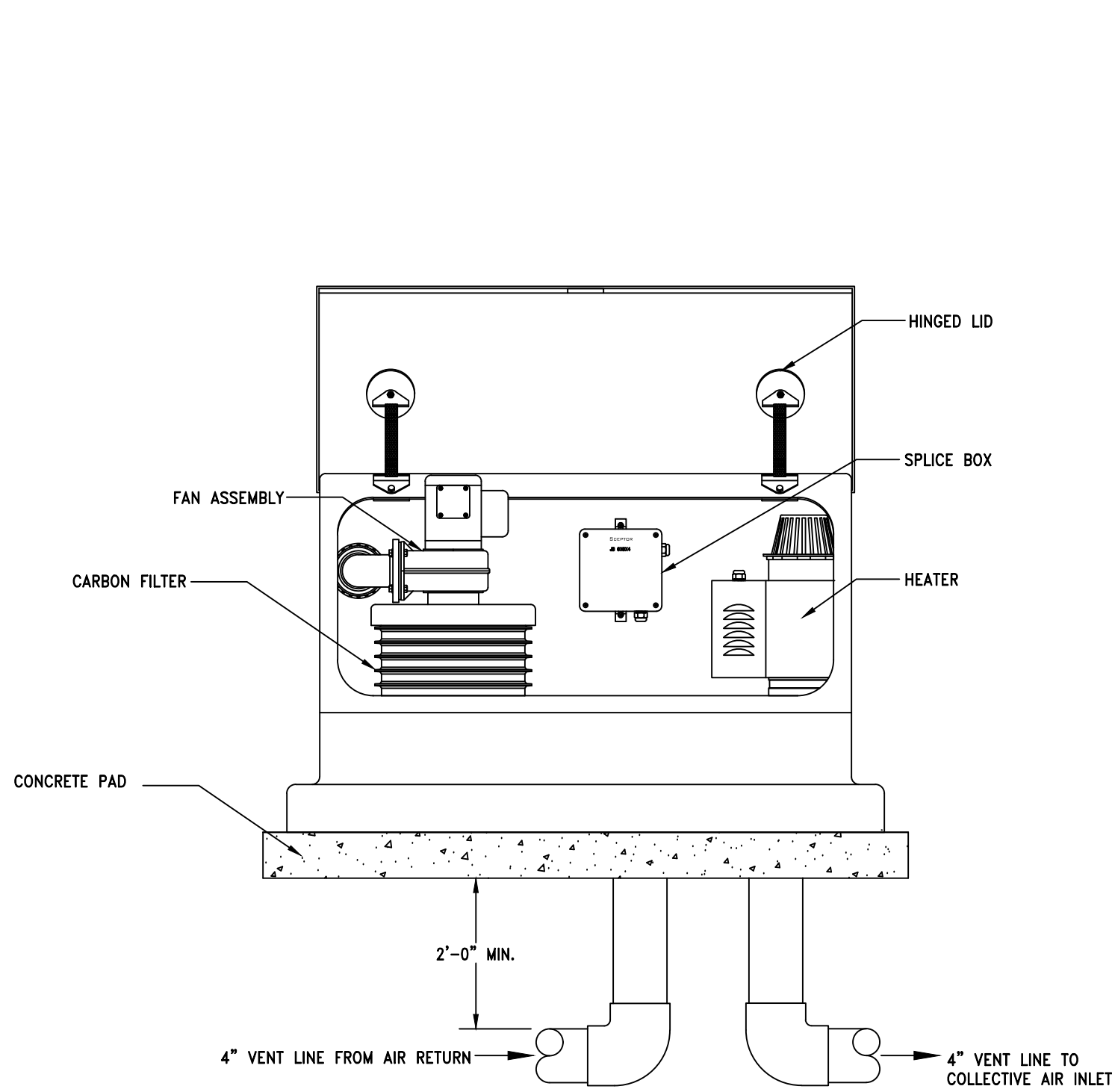
Issued Rev.	Date	By	For
1	7/7/25	PLANNING BOARD	CONDUCT
1	9/2/25	PER PLANNING BOARD COMMENTS	

Project Number	2024125
Drawn By	AS
Designed By	BJB
Checked By	BJB
Date	6/30/25
Scale	AS SHOWN
File Name	BM_TILDEN

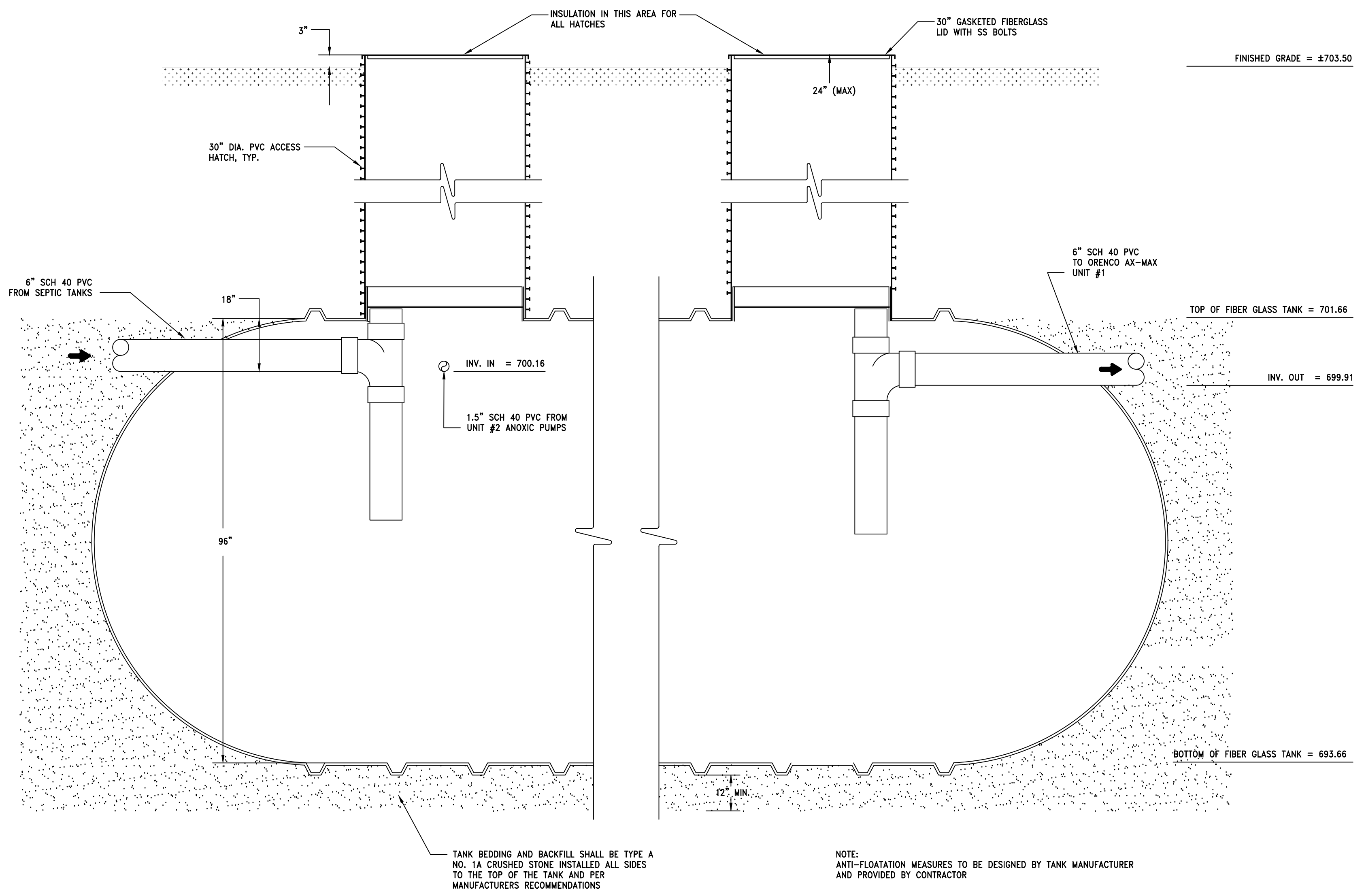
Sheet Title  
**SITE DETAILS**

Sheet No.  
**C156**

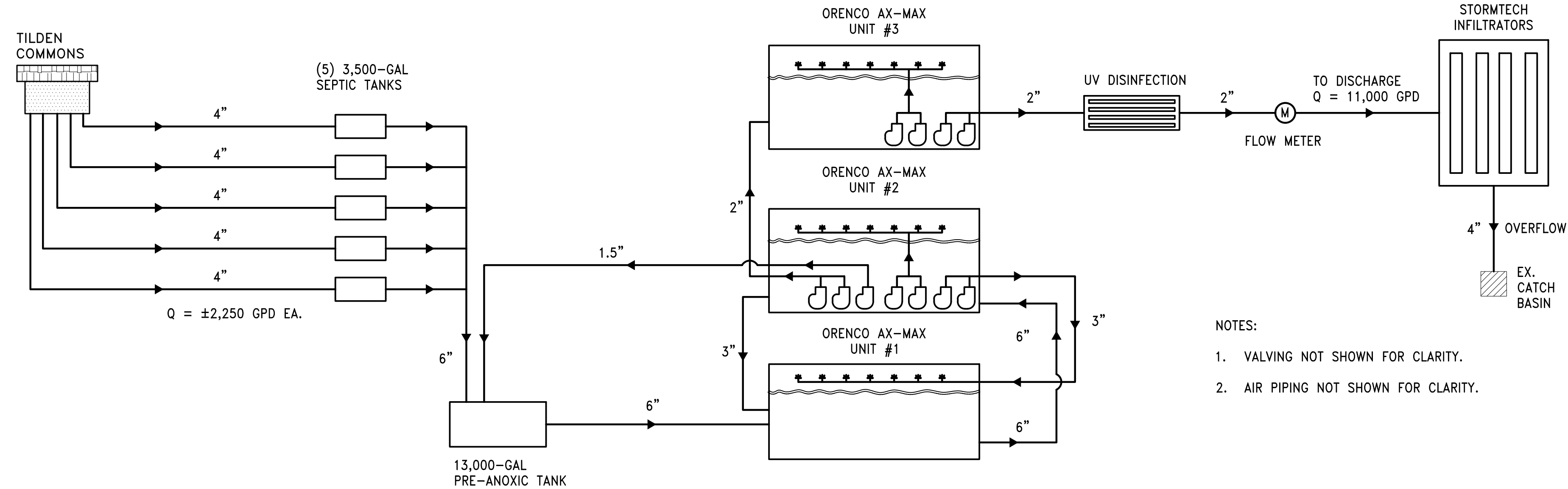




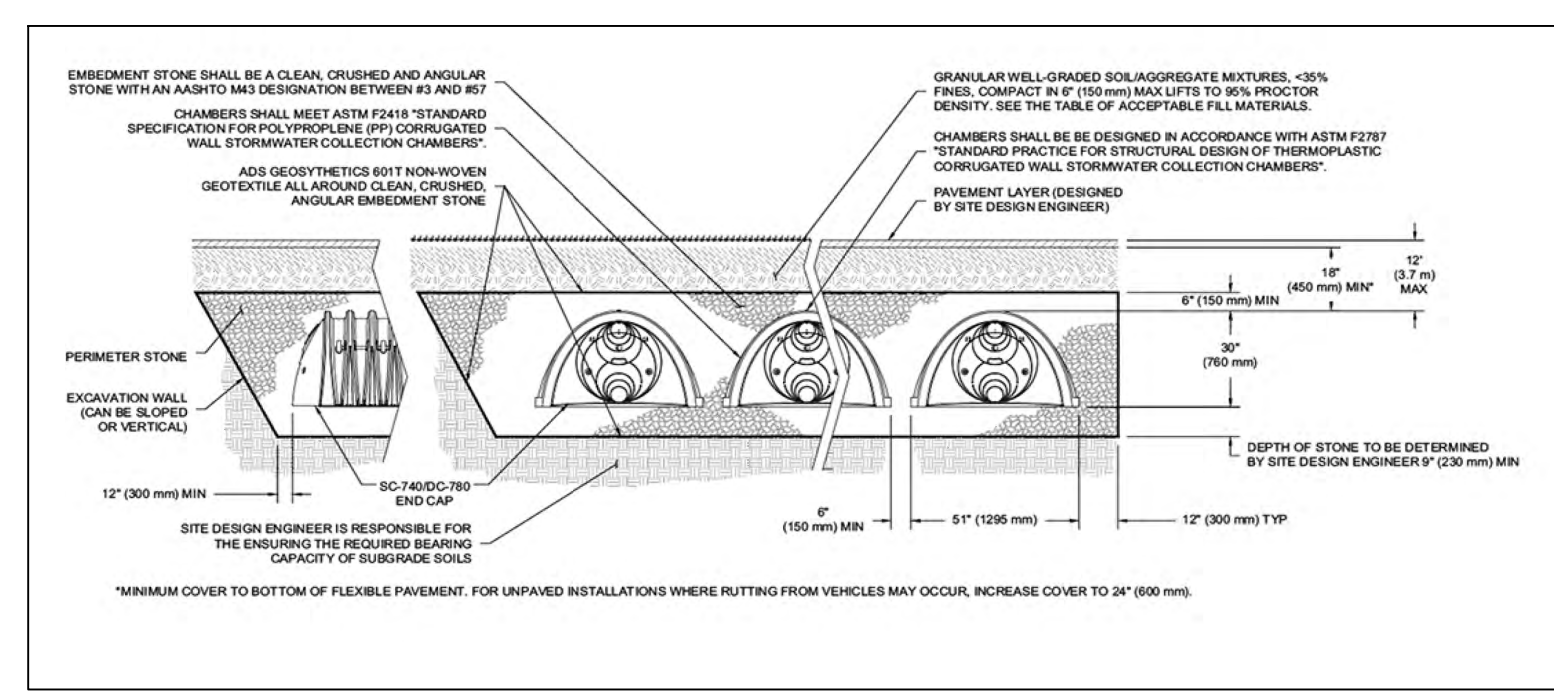
1 ABOVE GROUND FAN ASSEMBLY  
SCALE: NTS



2 8' DIAMETER PRE-ANOXIC TANK - 13,000 GALLONS  
SCALE: NTS



3 PROCESS FLOW DIAGRAM  
SCALE: NTS



4 TYPICAL STORMTECH DC-780 INFILTRATOR DETAIL  
SCALE: NTS

- NOTES:
1. VALVING NOT SHOWN FOR CLARITY.
  2. AIR PIPING NOT SHOWN FOR CLARITY.



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Issue No.	Date	By	For
1	7/7/25	PLANNING BOARD	PER PLANNING BOARD COMMENTS
2	8/2/25		

Project Number: 2024125  
 Drawn By: LM  
 Designed By: BJB  
 Checked By: BJB  
 Date: 6/30/2025  
 Scale: NTS  
 File Name: SEPTIC DETAILS

Sheet Title: SANITARY DETAILS

Sheet No.: C161

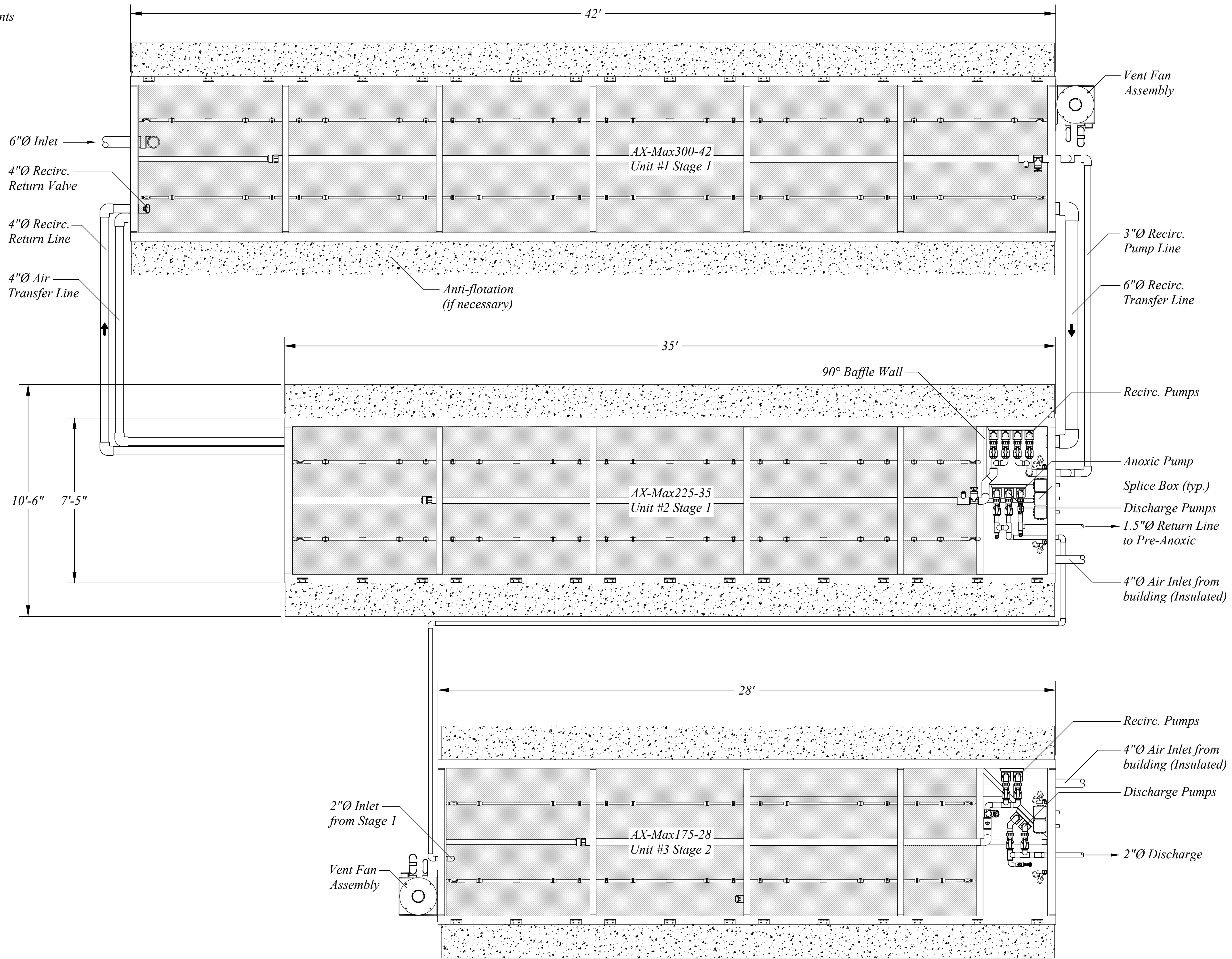
Note: AX-Max units are designed to withstand lateral loads, uniform loads, and buoyancy forces. Consult Orenco Engineering for spacing requirements and the most up-to-date structural calculations.

**Design Parameters**

$Q_{avg} = 11,000 \text{ gpd}$   
 $Q_{max} = 22,000 \text{ gpd}$

Influent (Avg.):  
 BOD: 250 mg/L  
 TSS: 250 mg/L  
 TKN: 65 mg/L  
 NH3-N: 45 mg/L (Summer)  
 NH3-N: 45 mg/L (Winter)  
 pH: 7 - 8

Effluent Limits:  
 BOD: 5 mg/L  
 TSS: 10 mg/L  
 NH3-N: 1.5 mg/L (Summer)  
 NH3-N: 2.2 mg/L (Winter)  
 pH: 6 - 9  
 SS: 0.1 mg/L  
 DO: 7 mg/L



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Issue	Rev.	Date	Remarks
		7/1/25	PLANNING BOARD
		6/2/25	FOR TILDEN COMMONS

Project Number: 2024125  
 Drawn By: LM  
 Designed By: BJB  
 Checked By: BJB  
 Date: 7/1/25  
 Scale: NTS  
 File Name: SEPTIC DETAILS

Sheet Title:  
**SANITARY DETAILS**

Sheet No.:  
**C162**

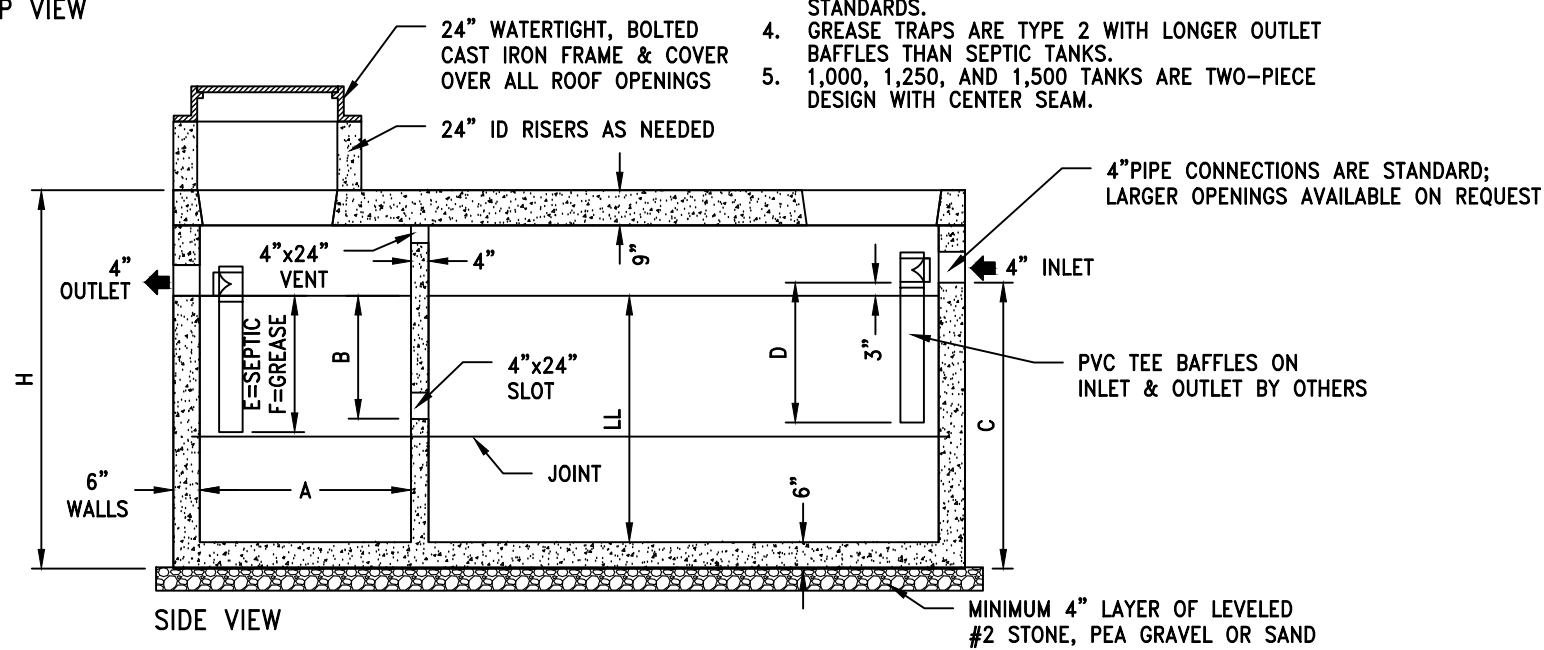
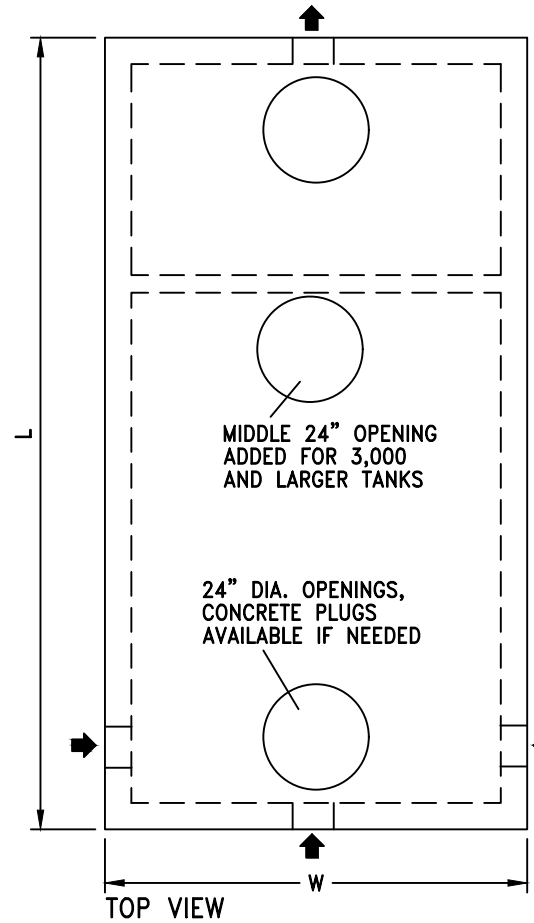
**SEPTIC TANK SCHEDULE**

TANK NO.	1	2	3	4	5
INVERT IN (FT)	703.44	703.10	702.68	702.50	701.88
INVERT OUT (FT)	703.19	702.85	702.43	702.25	701.43

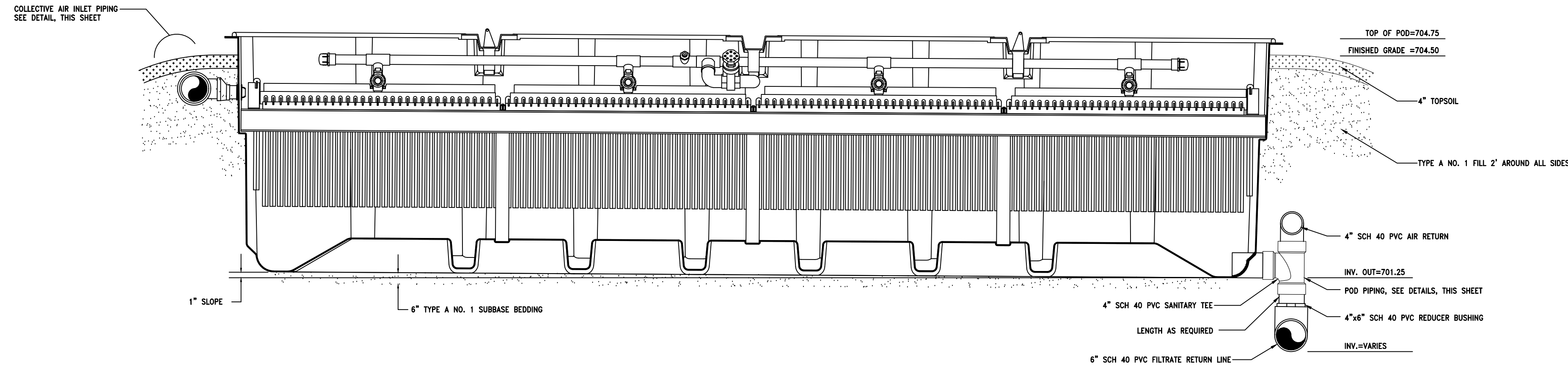
GALLONS	L	W	H	LL	A	B	C	D	E	F
3,500	15'-6"	8'	7'-3"	58"	52"	31"	67"	32"	29"	46"
4,000	17'-2"	8'	7'-3"	58"	58"	31"	67"	32"	29"	46"
5,000	18'-8"	9'	7'-3"	58"	70"	31"	67"	32"	29"	46"
6,000	20'-0"	9'-6"	7'-3"	60"	70"	33"	69"	32"	30"	48"

**NOTES:**

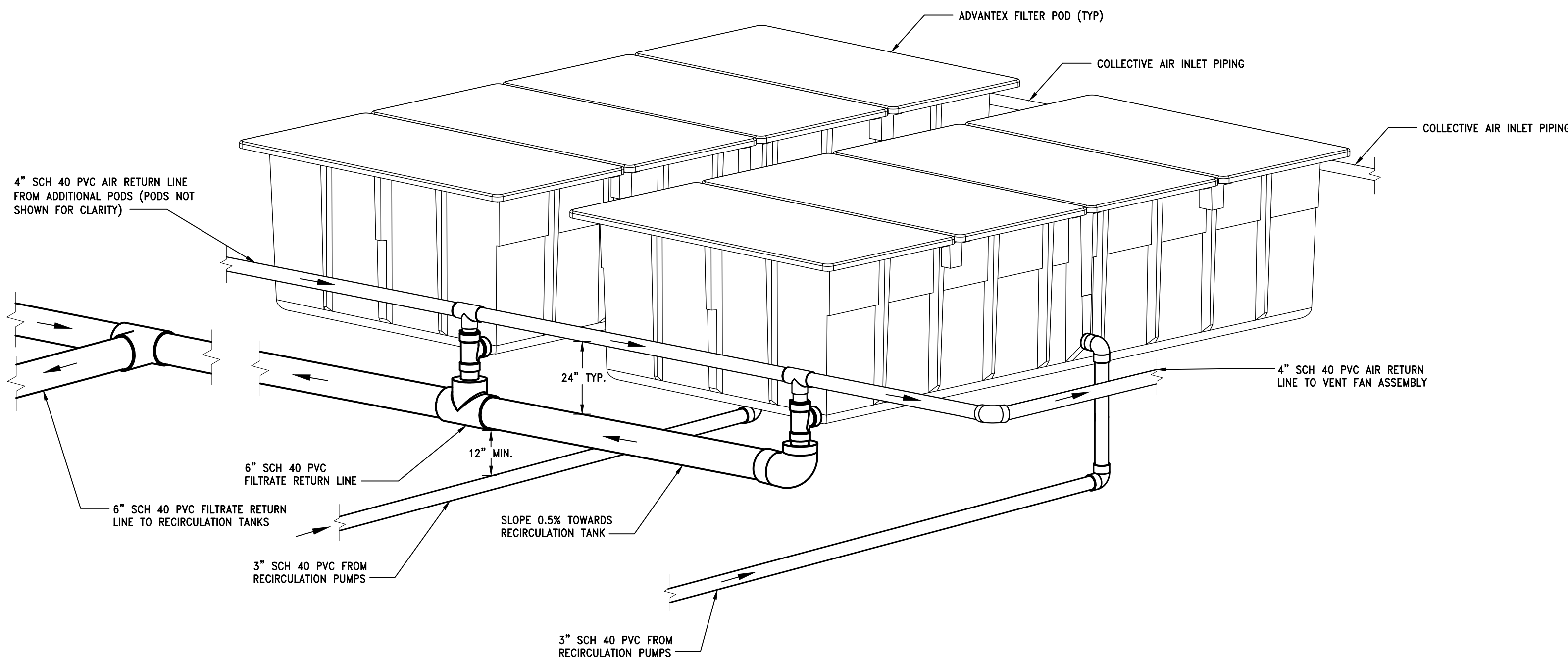
- EFFLUENT OUTLET FILTERS ARE AVAILABLE AS WELL AS HIGH LEVEL ALARMS.
- GAS DEFLECTORS ARE AVAILABLE FOR 4" OUTLET PIPES.
- TANK DESIGNS BASED ON THE 2014 NYSDEC DESIGN STANDARDS.
- GREASE TRAPS ARE TYPE 2 WITH LONGER OUTLET BAFFLES THAN SEPTIC TANKS.
- 1,000, 1,250, AND 1,500 TANKS ARE TWO-PIECE DESIGN WITH CENTER SEAM.



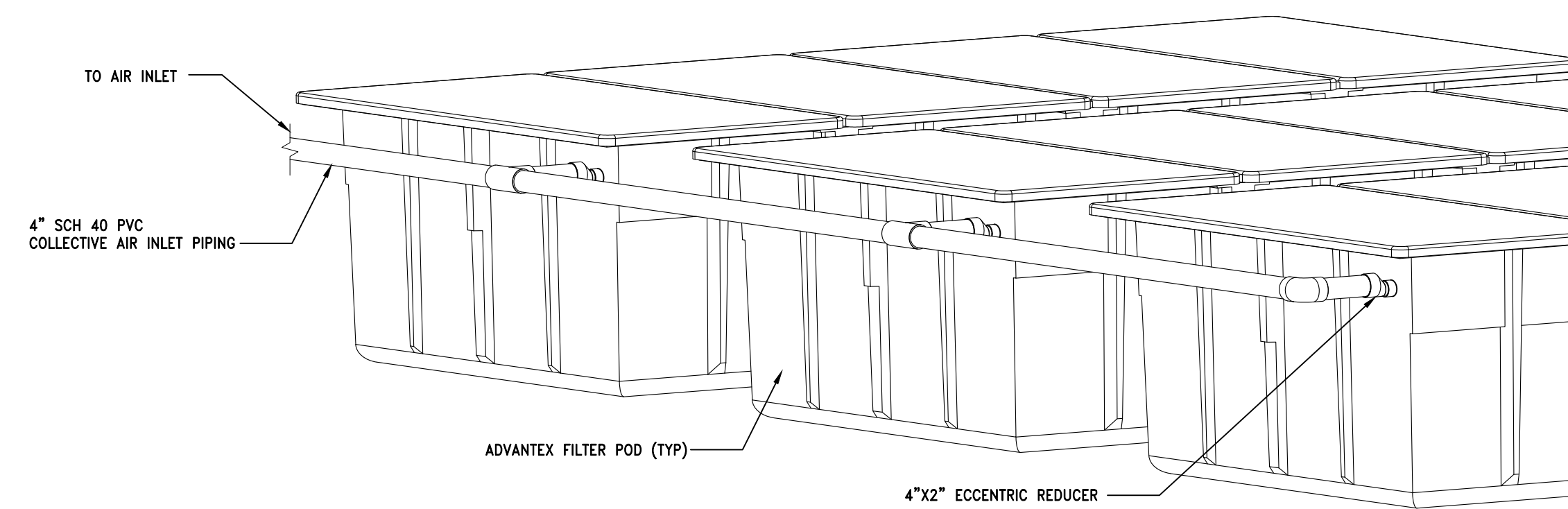
**1 TYPICAL SEPTIC TANK DETAIL - 3,500 GAL TO 6,000 GAL**  
SCALE: NTS



**2 ADVANTEK FILTER DETAIL**  
SCALE: NTS



**3 TYPICAL POD PIPING DETAIL**  
SCALE: NTS



**4 COLLECTIVE AIR INLET PIPING**  
SCALE: NTS

**Lamont Engineers**  
ENGINEERS - PLANNERS  
FACILITY OPERATIONS  
197 ELM ST., COBLESKILL, NY 12043  
(518) 234-4028  
www.lamontengineers.com

Consultant

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Issue/Rev.	Date	Remarks
1	7/1/25	PLANNING BOARD PER PLANNING BOARD COMMENTS
2	6/2/25	

Project Number: 2024125  
Drawn By: LM  
Designed By: BJB  
Checked By: BJB  
Date: 7/1/25  
Scale: NTS  
File Name: SEPTIC DETAILS

Sheet Title: **SANITARY DETAILS**

Sheet No.: **C163**

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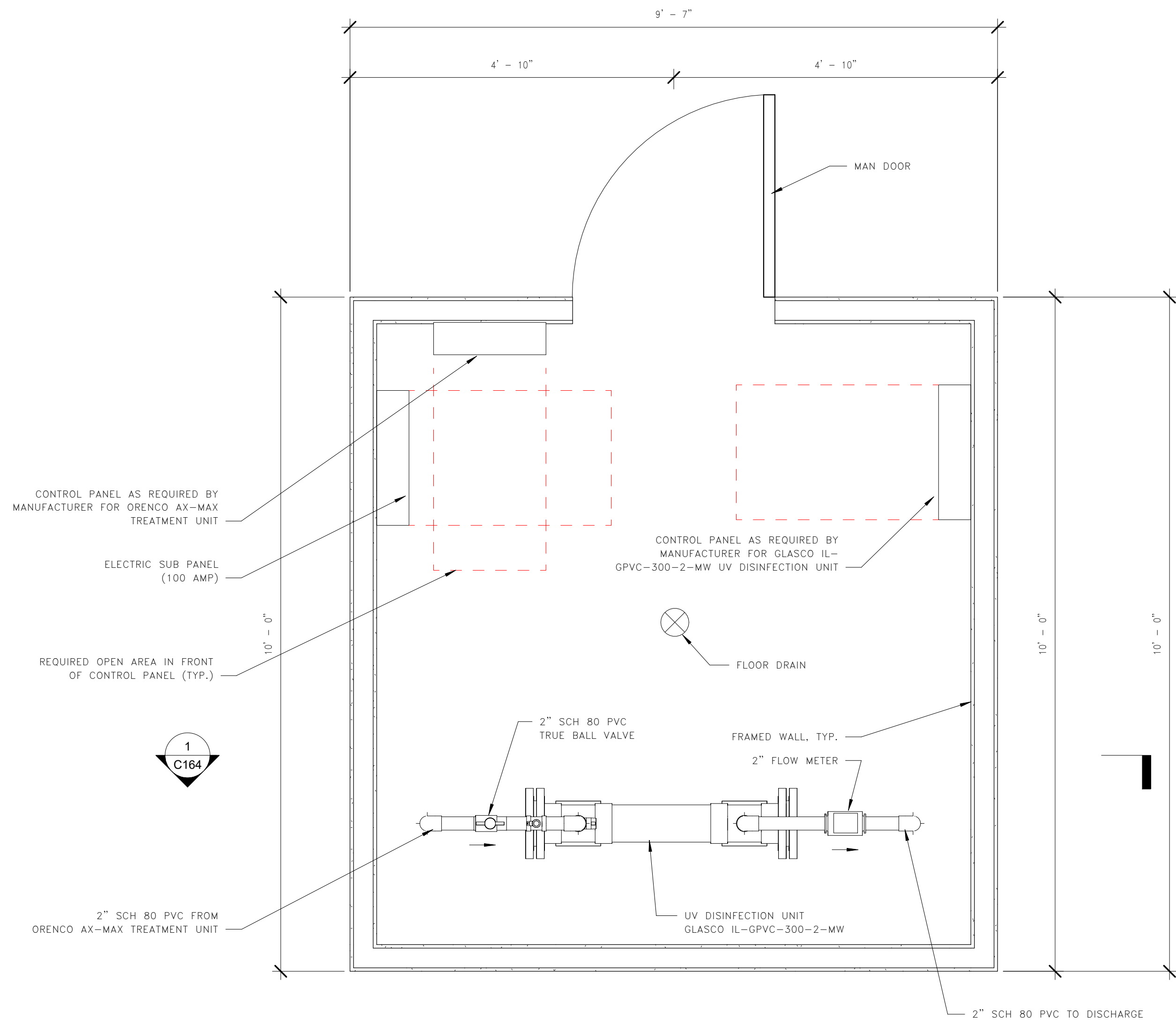


Rev.	Date	DESCRIPTION
1	7/7/25	PLANNING BOARD
2	8/4/2025	PER PLANNING BOARD COMMENTS

Project Number	2024125
Drawn By	AS
Designed By	BJB
Checked By	BJB
Date	12-5-19
Scale	3/4" = 1'-0"
File Name	UV TREATMENT...

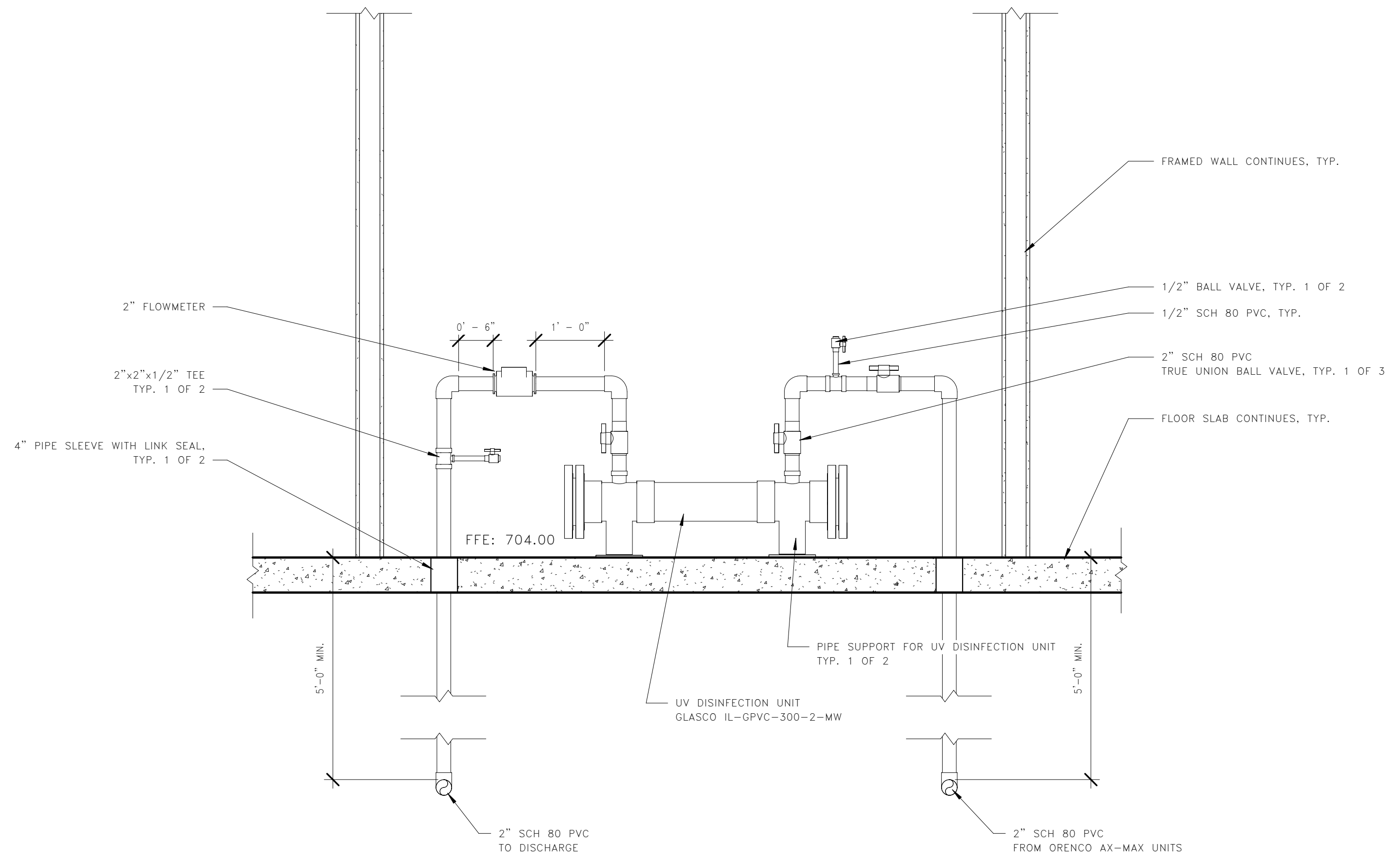
Sheet Title  
**UV SYSTEM PLAN AND SECTION**

Sheet No.  
**C164**



NOTE:  
 1. UV ROOM LOCATION AND ORIENTATION IN BUILDING TO BE DETERMINED

FLOOR PLAN  
 3/4" = 1'-0"



UV SYSTEM SECTION  
 3/4" = 1'-0"