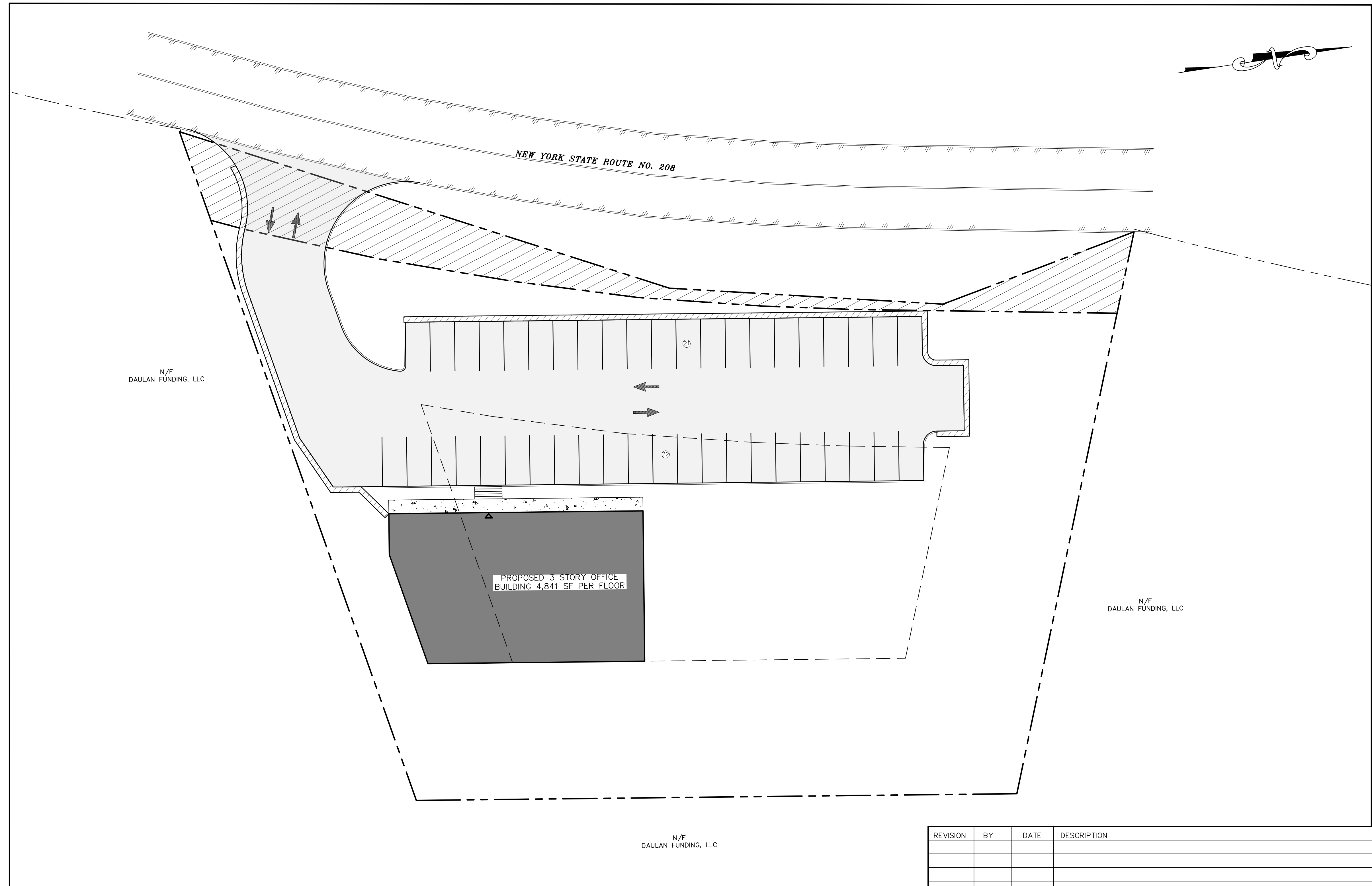
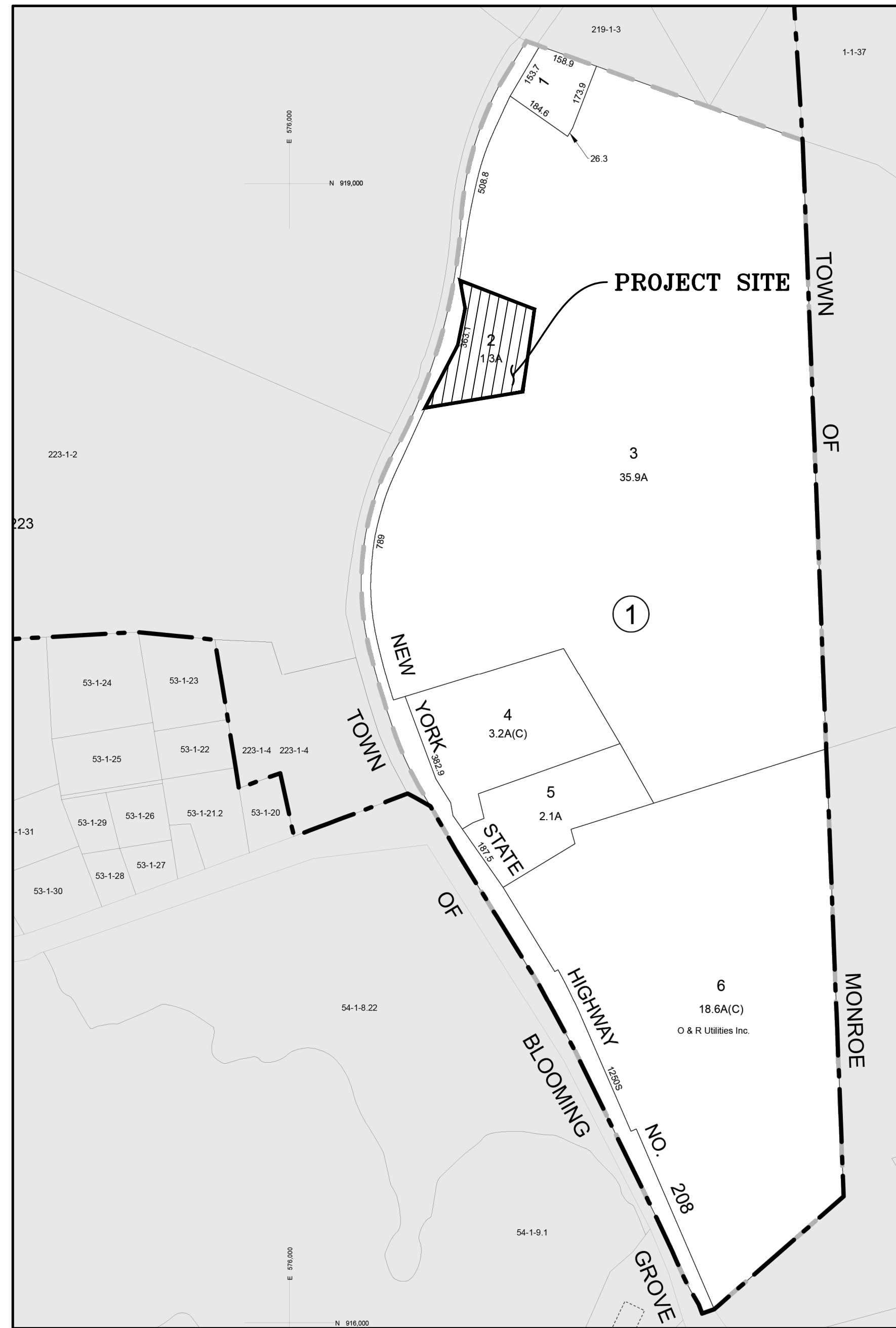


# SITE PLAN FOR 572 NYS ROUTE 208 VILLAGE OF SOUTH BLOOMING GROVE ORANGE COUNTY, NY.



**TAX MAP NUMBER**  
SECTION: 224  
BLOCK: 1  
LOT: 2

**DEED REFERENCE**  
LIBER: 15419  
PAGE: 942

**TOTAL TRACT AREA**  
1.3± ACRES

**OWNER & APPLICANT**  
208 PLAZA LLC 1170  
ROUTE 17M STE 1  
CHESTER NY 10918

**WELL NOTE:**  
THE EXISTING WELL SHALL SERVE NO MORE THAN  
24 EMPLOYEES AND 4 SERVICE CONNECTIONS.

**SURVEY REFERENCE:**  
BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN  
ON THIS PLAN WAS TAKEN FROM A SURVEY  
ENTITLED "SURVEY OF PROPERTY PREPARED FOR  
572 NY STATE ROUTE 208" AS PREPARED BY  
EDWARD T. GANNON, P.L.S. DATED 5/11/2023

**WARNING-** IT IS A VIOLATION OF NEW YORK EDUCATIONAL  
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THAN EMBOSSED-SEAL COPIES MAY CONTAIN UNAUTHORIZED  
AND UNDETECTABLE MODIFICATIONS, DELETIONS, ADDITIONS  
AND CHANGES.

**LOCATION MAP**  
SCALE: 1"=400'  
SOURCE: ORANGE COUNTY GIS

**DRAWING LIST**

SHEET #	SHEET TITLE	ORIGINAL DATE / LAST REVISED DATE
01 OF 7	TITLE SHEET	08-08-24
02 OF 7	EXISTING CONDITIONS MAP	08-08-24
03 OF 7	DEMOLITION PLAN	08-08-24
04 OF 7	SITE PLAN	08-08-24
05 OF 7	GRADING PLAN	08-08-24
06 OF 7	SEWAGE DISPOSAL DETAILS 01	08-08-24
07 OF 7	SEWAGE DISPOSAL DETAILS 02	08-08-24

**REFERENCES:**

CERTIFICATIONS ON THIS BOUNDARY SURVEY MAP SIGNIFY  
THAT THE MAP WAS PREPARED IN ACCORDANCE WITH THE  
CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYS  
ADOPTED BY THE NEW YORK STATE ASSOCIATION OF  
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LIMITED TO PERSONS FOR WHOM THE BOUNDARY SURVEY  
MAP IS PREPARED, TO THE TITLE COMPANY, TO THE  
GOVERNMENTAL AGENCY, AND TO THE LENDING INSTITUTION  
LISTED ON THIS BOUNDARY SURVEY MAP.

ANY ALTERATION OR ADDITION TO THIS SURVEY IS A  
VIOLATION OF SECTION 7209 OF THE NEW YORK STATE  
EDUCATION LAW, EXCEPT AS PER SUBDIVISION 2. ALL  
CERTIFICATIONS HEREON ARE VALID FOR THIS MAP AND  
COPIES THEREOF ONLY IF SAID MAP OR COPIES BEAR THE  
INKED OR IMPRESSED SEAL OF THE SURVEYOR WHOSE  
SIGNATURE APPEARS HEREON.

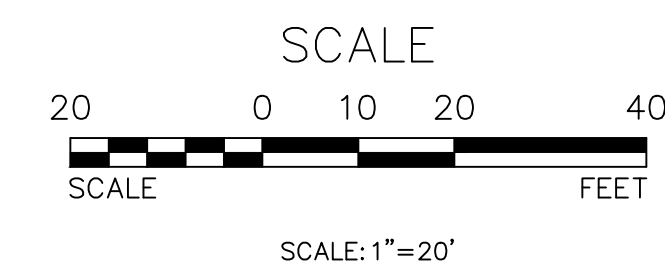
**OWNER'S CONSENT NOTE:**

THE UNDERSIGNED OWNERS OF THE PROPERTY HEREON STATE  
THAT THEY ARE FAMILIAR WITH THIS PLAN, ITS CONTENTS AND  
ITS LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND  
CONDITIONS AS STATED HEREON AND TO THE FILING OF THIS  
PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF  
ORANGE, IF SO REQUIRED.

SIGNATURE OF OWNER(S) \_\_\_\_\_ DATE \_\_\_\_\_

SIGNATURE OF OWNER(S) \_\_\_\_\_ DATE \_\_\_\_\_

**TITLE SHEET**  
SCALE: 1"=20'



REVISION	BY	DATE	DESCRIPTION

THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

**ARDEN CONSULTING ENGINEERS, PLLC**  
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TEL: (845) 782-8114 FAX: (845) 782-2946  
[WWW.ARDENCONSULTING.NET](http://WWW.ARDENCONSULTING.NET)

SITE PLAN FOR  
572 NYS ROUTE 208  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, N.Y.

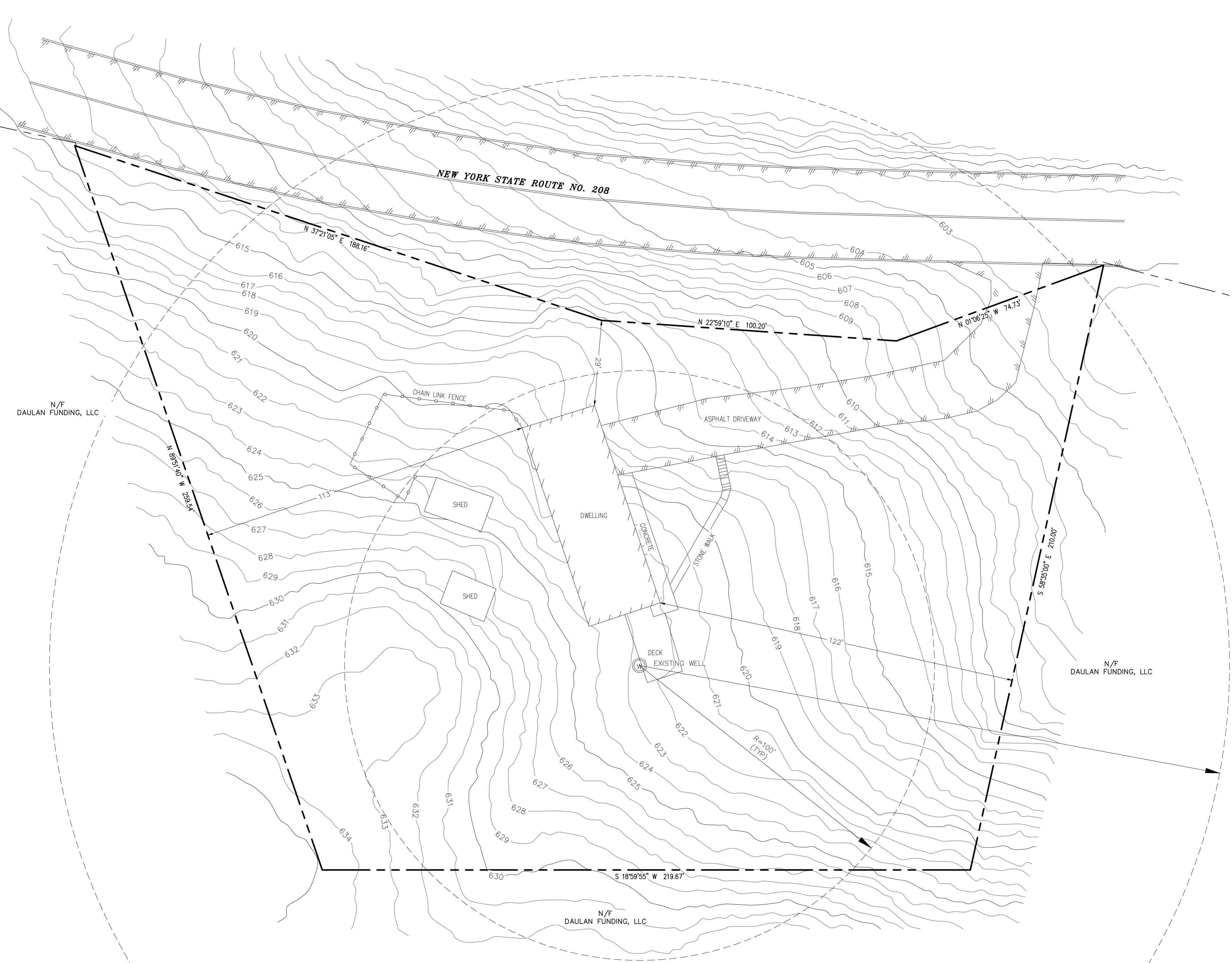
**TITLE SHEET**

JOB#: 24-033  
SCALE: AS NOTED  
DATE: 08-08-24  
DRAWN: MM  
CHECKED: MM  
SHEET NO. 01 of 7

**Dig Safely. New York**  
**Call 811**  
**before you dig**

**LEGEND:**

	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING EDGE OF PAVEMENT
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING BUILDING
	EXISTING WELL

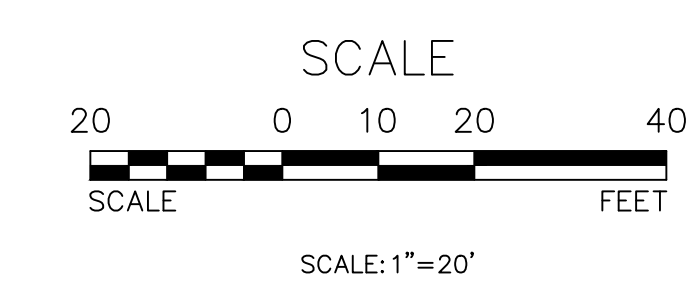


**NOTE:**  
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**EXISTING CONDITIONS MAP**  
 SCALE: 1" = 20'



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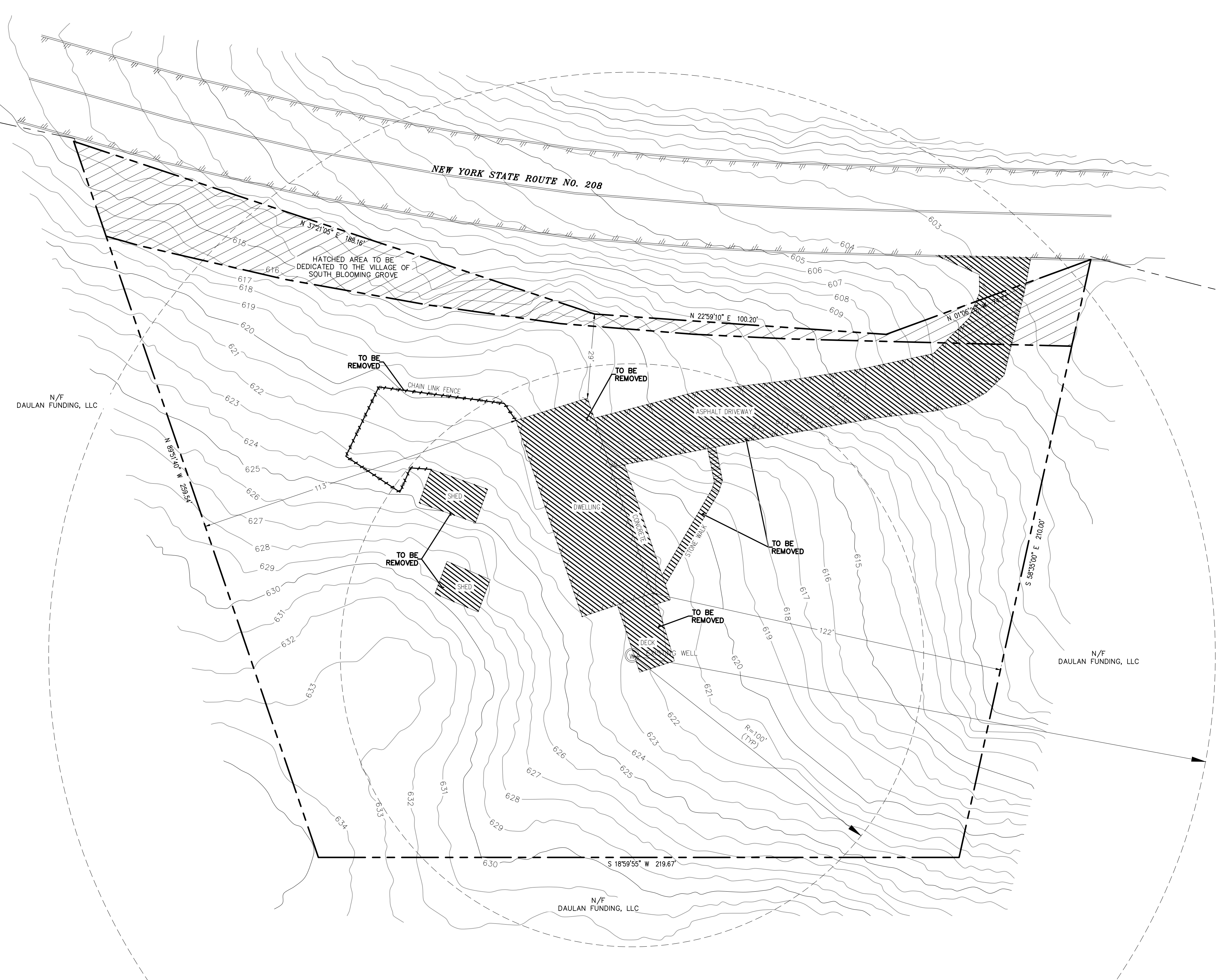
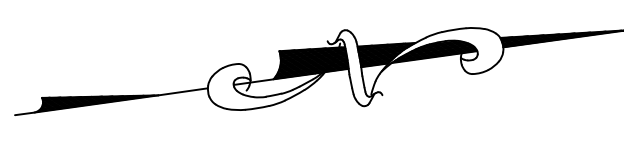
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SITE PLAN FOR 572 NYS ROUTE 208 VILLAGE OF SOUTH BLOOMING GROVE ORANGE COUNTY, N.Y.	JOB#: 24-033 SCALE: AS NOTED DATE: 08-08-24 DRAWN: MM CHECKED: MM SHEET NO. 02 of 7
	<b>EXISTING CONDITIONS MAP</b>

**LEGEND:**

	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING EDGE OF PAVEMENT
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING BUILDING
	EXISTING WELL
	EXISTING SITE FEATURES TO BE REMOVED

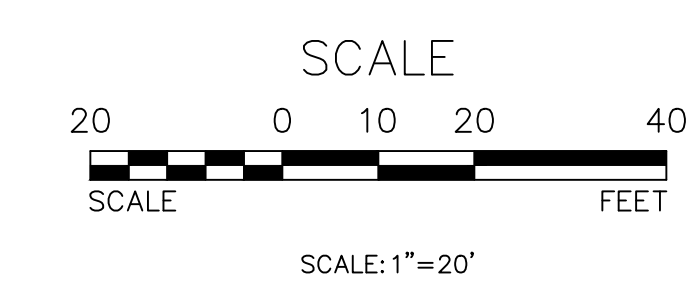


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**DEMOLITION PLAN**  
 SCALE: 1"=20'

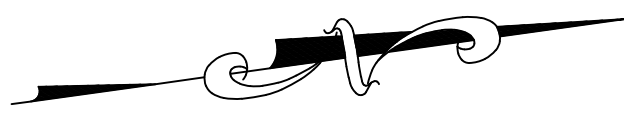


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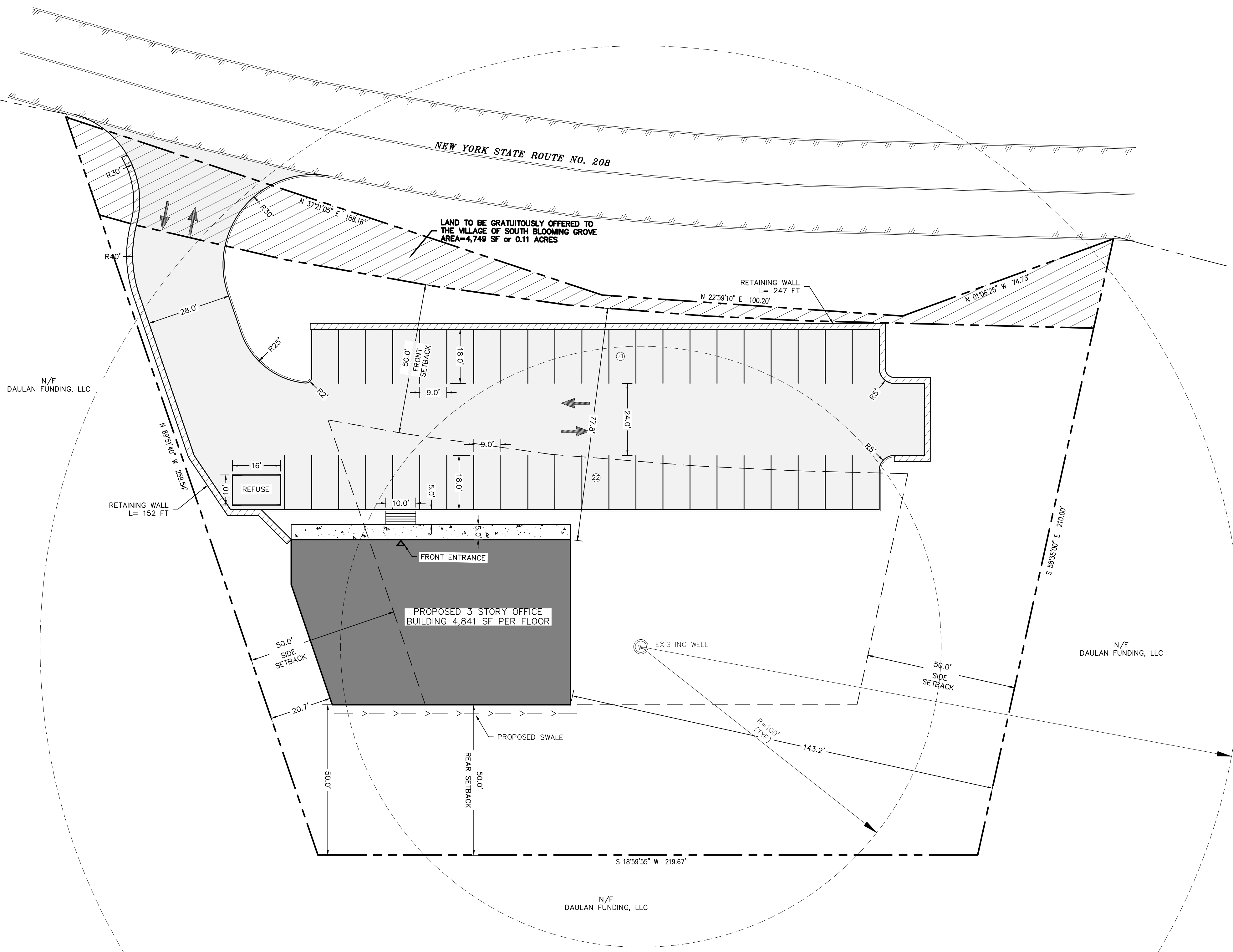
SITE PLAN FOR 572 NYS ROUTE 208 VILLAGE OF SOUTH BLOOMING GROVE ORANGE COUNTY, N.Y.	JOB#: 24-033 SCALE: AS NOTED DATE: 08-08-24 DRAWN: MM CHECKED: MM SHEET NO. 03 of 7
	<b>DEMOLITION PLAN</b>





**LEGEND:**

	EXISTING EDGE OF PAVEMENT
	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING BUILDING
	EXISTING WELL



**BULK REQUIREMENTS ORI-ZONE**

	MINIMUM	MAXIMUM
LOT AREA, NET:	20,000 SF	56,628 SF
LOT AREA, GROSS:	20,000 SF	56,628 SF
FRONTAGE:	200'	363'
FRONT YARD:	50'	77.8'
SIDE YARD:	50'	20.7'*
REAR YARD:	50'	50'
BUILDING COVERAGE(%):	20	8.5±
BUILDING HEIGHT (IN STORIES):	2 STORIES	3*

\* VARIANCE REQUIRED

**PARKING CALCULATION**

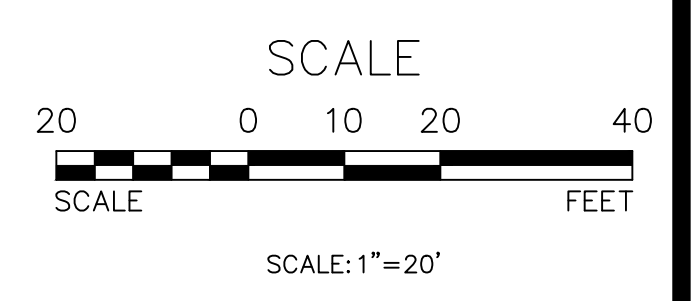
1 SPACE PER 300 S.F. BLDG. AREA  
 4,841 SF x 3 FLOOR = 14,523 S.F.  
 (14,523 S.F. / 300 S.F.)=48 SPACES REQUIRED  
 43 SPACES PROVIDED  
 A WAIVER IS REQUIRED FROM 48 TO 43 PARKING SPACES

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**SITE PLAN**  
SCALE: 1"=20'



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	<b>SITE PLAN</b>

**DEEP TEST PIT OBSERVATIONS:**

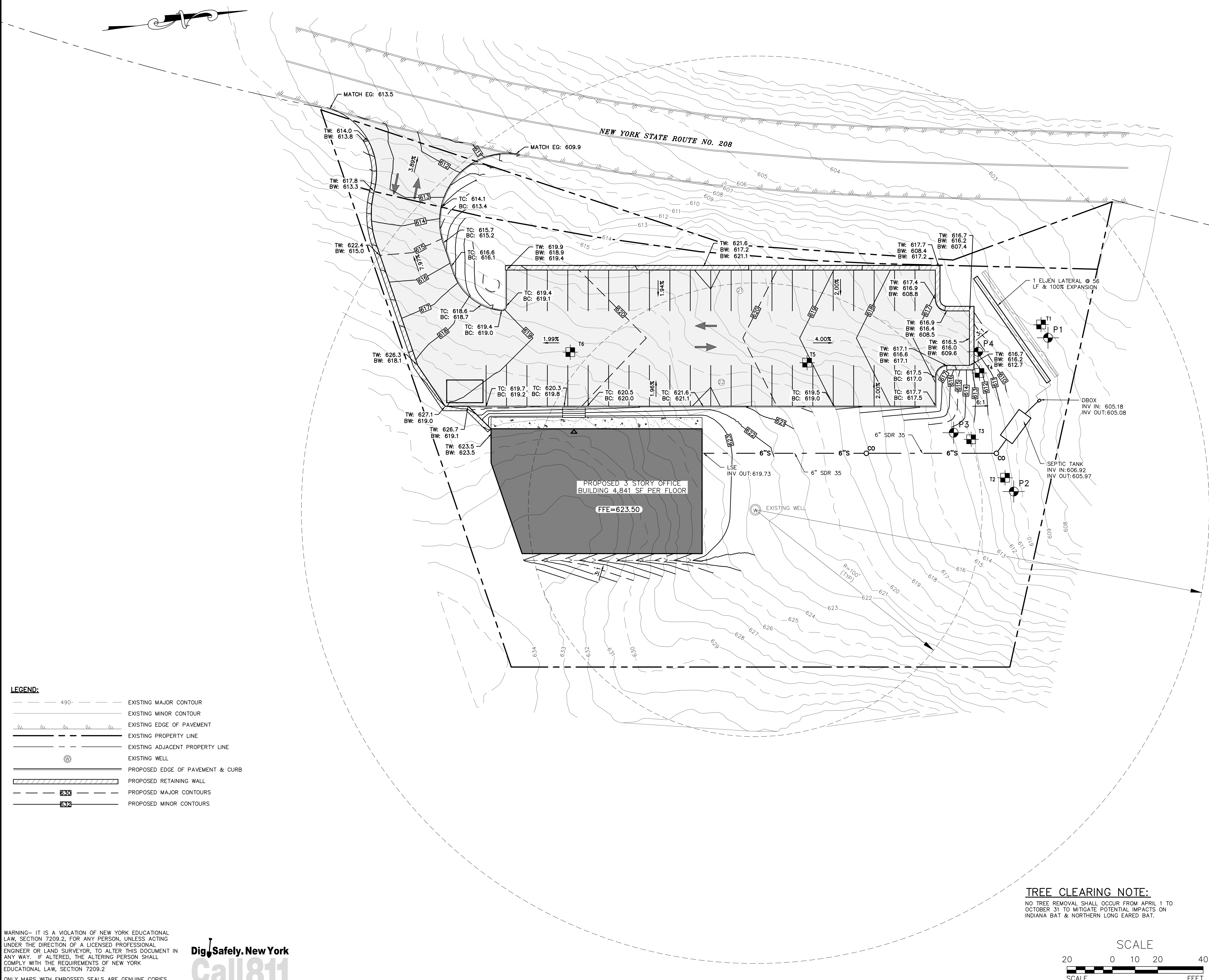
PERFORMED BY ARDEN CONSULTING ENGINEERS, PLLC ON 7/23/2024

PIT NO.	DEPTH	DESCRIPTION
T1	0"-8"	TOPSOIL
	8"-30"	YELLOW GRAVELLY SILTY LOAM
	30"-72"	TAN GRAVELLY SILTY LOAM W/ SAND & COBBLE NO ROCK BOTTOM NO WATER NO SEEPAGE NO MOTTLING ROOTS @ -42"
T2	0"-8"	TOPSOIL
	8"-28"	YELLOW GRAVELLY SILTY LOAM
	28"-72"	BROWN GRAVELLY SILTY LOAM W/ SAND & COBBLE NO ROCK BOTTOM NO WATER NO SEEPAGE NO MOTTLING ROOTS @ -42"
T3	0"-8"	TOPSOIL
	8"-30"	YELLOW GRAVELLY SILTY LOAM
	30"-70"	BROWN GRAVELLY SILTY LOAM W/ SAND & COBBLE NO ROCK BOTTOM @ -44" NO WATER NO SEEPAGE NO MOTTLING ROOTS @ -40"
T4	0"-8"	TOPSOIL
	8"-28"	YELLOW GRAVELLY SILTY LOAM
	28"-72"	BROWN GRAVELLY SILTY LOAM W/ SAND & COBBLE NO ROCK BOTTOM NO WATER NO SEEPAGE NO MOTTLING ROOTS @ -42"
T5	0"-8"	TOPSOIL
	8"-32"	YELLOW GRAVELLY SILTY LOAM
	28"-70"	BROWN GRAVELLY SILTY LOAM W/ SAND & COBBLE NO ROCK BOTTOM NO WATER NO SEEPAGE NO MOTTLING ROOTS @ -42"
T6	0"-8"	TOPSOIL
	8"-18"	RED GRAVELLY SILTY LOAM NO ROCK BOTTOM @ -18" NO WATER NO SEEPAGE NO MOTTLING ROOTS @ -40"

**PERCOLATION TEST RESULTS**

PERFORMED BY ARDEN CONSULTING ENGINEERS, PLLC ON 7/23/2024

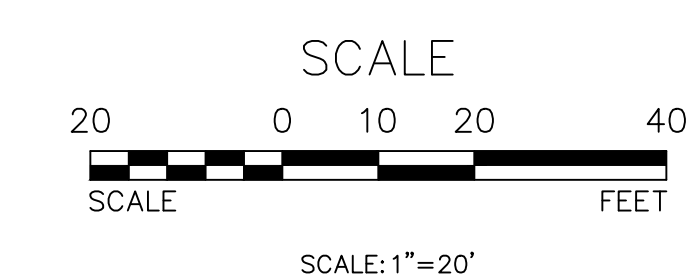
P1		Hole Depth: 24"    Ø of Hole: 7"			
Stop	10:45:24 AM	10:50:22 AM	10:56:38 AM	11:03:15 AM	
Start	10:43:26 AM	10:46:05 AM	10:50:53 AM	10:56:44 AM	
Time	0:01:58	0:04:17	0:05:46	0:06:31	
P2		Hole Depth: 24"    Ø of Hole: 7"			
Stop	10:18:36 AM	10:24:00 AM	10:30:14 AM	10:37:09 AM	
Start	10:16:18 AM	10:19:23 AM	10:24:14 AM	10:30:15 AM	
Time	0:02:18	0:04:36	0:06:00	0:06:55	
P3		Hole Depth: 24"    Ø of Hole: 7"			
Stop	10:35:12 AM	10:40:32 AM	10:47:58 AM	10:55:50 AM	11:04:00 AM
Start	10:32:26 AM	10:35:25 AM	10:41:24 AM	10:48:12 AM	10:55:56 AM
Time	0:02:46	0:05:08	0:06:33	0:07:38	0:08:04
P4		Hole Depth: 24"    Ø of Hole: 7"			
Stop	10:06:31 AM	10:12:13 AM	10:20:27 AM	10:29:58 AM	10:39:22 AM
Start	10:03:41 AM	10:06:44 AM	10:13:15 AM	10:21:37 AM	10:30:15 AM
Time	0:02:50	0:05:28	0:07:12	0:08:21	0:09:07



**LEGEND:**

	490-	EXISTING MAJOR CONTOUR
		EXISTING MINOR CONTOUR
		EXISTING EDGE OF PAVEMENT
		EXISTING PROPERTY LINE
		EXISTING ADJACENT PROPERTY LINE
		EXISTING WELL
		PROPOSED EDGE OF PAVEMENT & CURB
		PROPOSED RETAINING WALL
	630	PROPOSED MAJOR CONTOURS
	632	PROPOSED MINOR CONTOURS

**TREE CLEARING NOTE:**  
NO TREE REMOVAL SHALL OCCUR FROM APRIL 1 TO OCTOBER 31 TO MITIGATE POTENTIAL IMPACTS ON INDIANA BAT & NORTHERN LONG EARED BAT.



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**GRADING PLAN**  
SCALE: 1"=20'

REVISION	BY	DATE	DESCRIPTION

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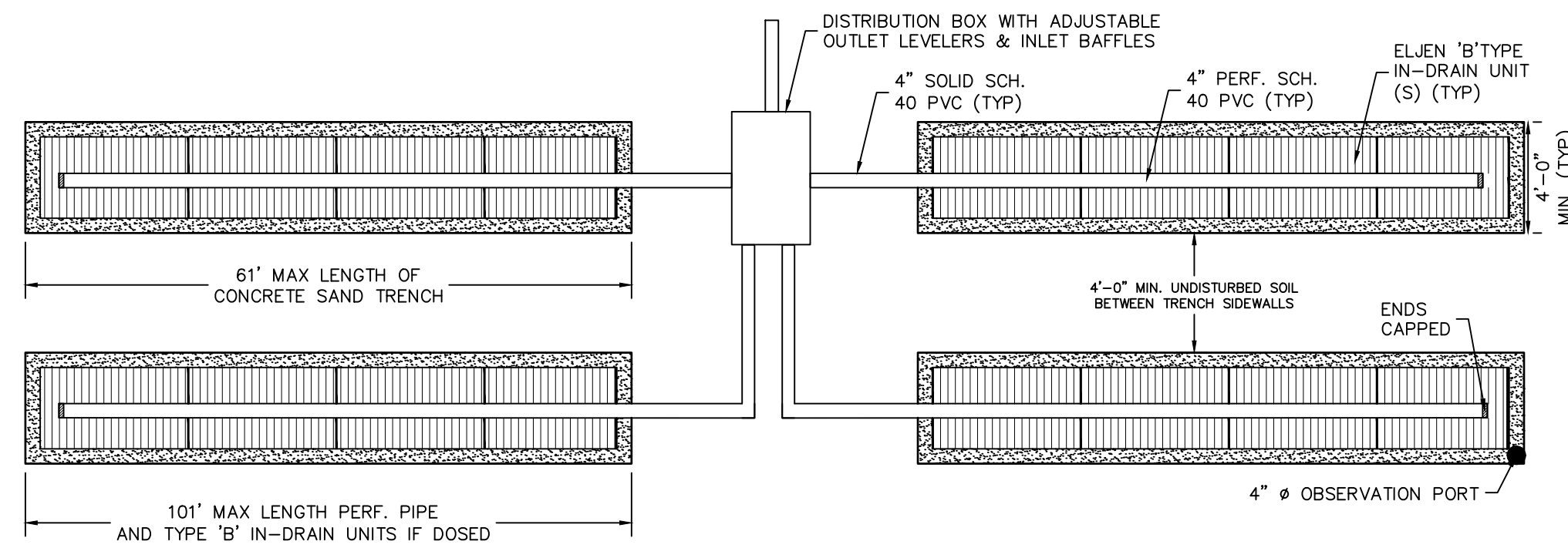
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572 NYS ROUTE 208  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, N.Y.

JOB#: 24-033  
SCALE: AS NOTED  
DATE: 08-08-24  
DRAWN: MM  
CHECKED: MM  
SHEET NO. 05 of 7

**GRADING PLAN**

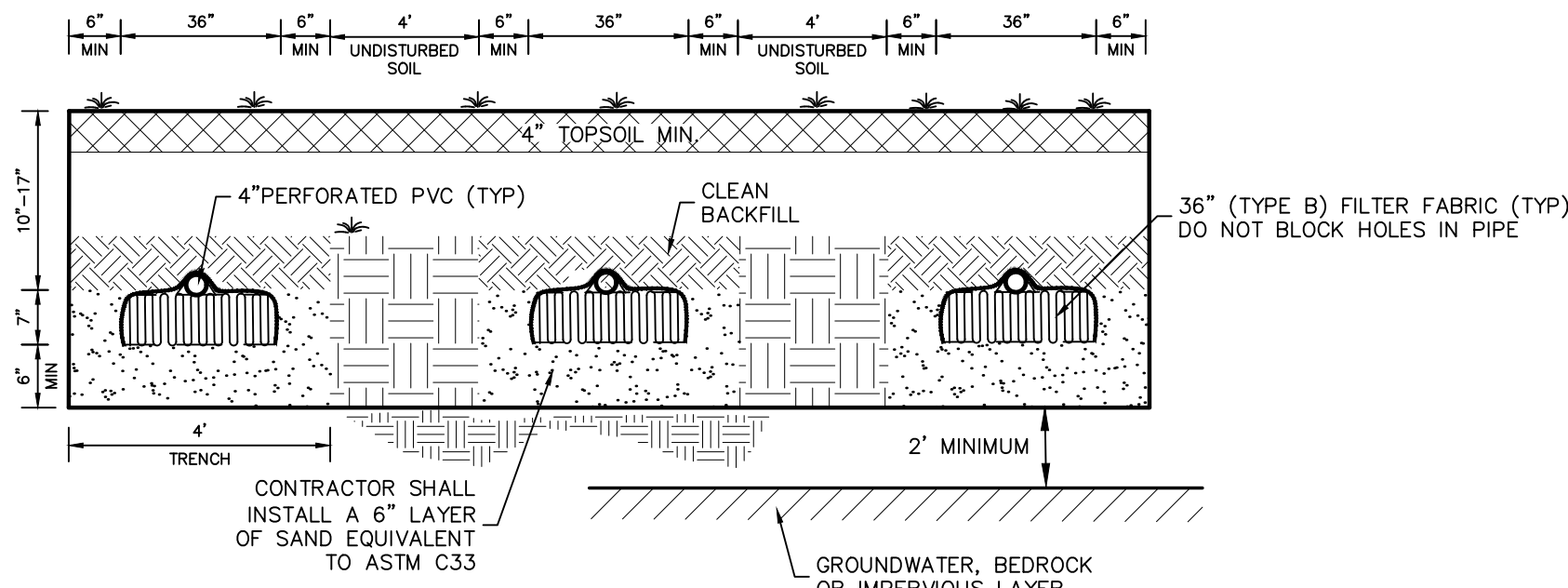




NOTES:  
 1. LATERALS TO BE INSTALLED IN CONFORMANCE WITH ALL STATE AND LOCAL DEPARTMENT OF HEALTH REQUIREMENTS.  
 2. ALL SEPARATION DISTANCES TO BE MAINTAINED.

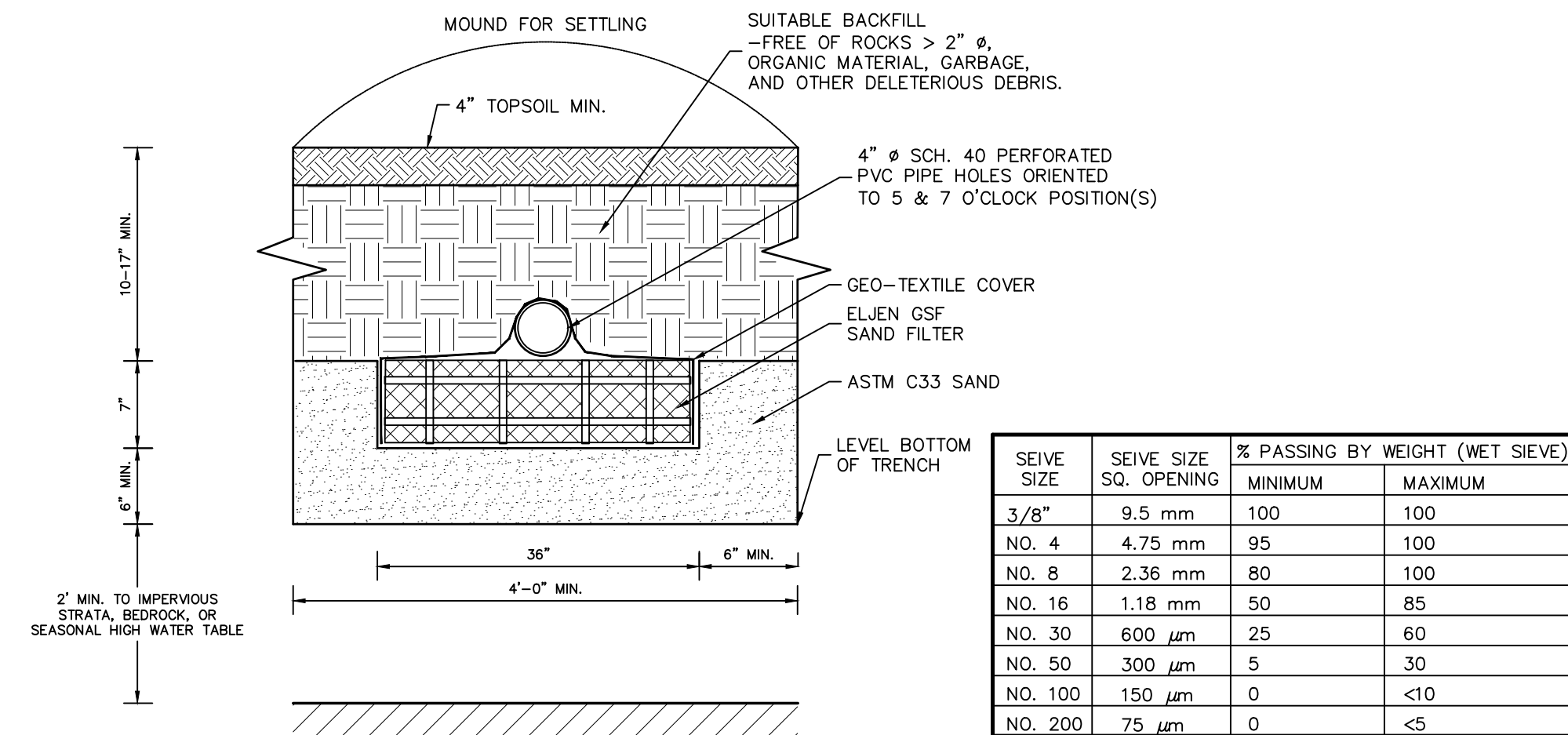
**ELJEN ABSORPTION TRENCH CONFIGURATION**

NOT TO SCALE



**TYPICAL ELJEN TRENCH CROSS SECTION**

NOT TO SCALE



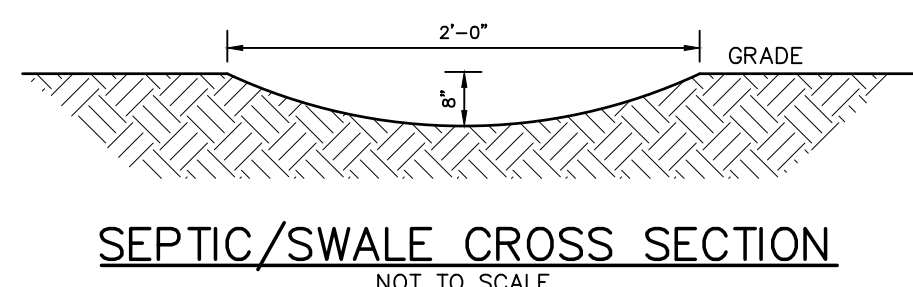
NOTES:  
 1. SYSTEM TO BE INSTALLED IN CONFORMANCE WITH ALL NYSDEC & OCHD REQUIREMENTS FOR COMMERCIAL WASTEWATER TREATMENT SYSTEMS.  
 2. SYSTEM TO MEET ALL SEPARATION REQUIREMENTS.  
 3. PERFORATED PIPE SHALL BE PLACED SO THAT HOLES ARE FACING 5 & 7 O'CLOCK POSITIONS.  
 4. LATERALS ARE TO BE SET LEVEL.  
 5. ALL TRENCHES TO HAVE IDENTICAL NUMBER OF ELJEN UNITS.  
 6. END OF ALL DISTRIBUTION PIPES MUST BE PLUGGED.  
 7. RAKE SIDES & BOTTOM OF TRENCH PRIOR TO PLACING SAND.  
 8. DO NOT INSTALL TRENCHES IN WET SOIL.  
 9. TRENCHES TO BE INSTALLED PARALLEL WITH EXISTING CONTOURS. SPACING SHALL BE A MIN. OF 8 FT. ON CENTER WITH A MINIMUM OF 4 FEET OF UNDISTURBED SOIL BETWEEN TRENCHES.  
 10. THE BACKFILL IN THE TRENCHES MUST BE MOUND FOR SETTLING.  
 11. SEE TABLE BELOW FOR ASTM C33 SAND SPECIFICATIONS.

**ELJEN SECTION**

NOT TO SCALE

**SEPTIC SYSTEM DESIGN CRITERIA:**

1. MAXIMUM NUMBER OF EMPLOYEES = 24
2. MAX. STABILIZED PERCOLATION RATE: 3:07 MIN/IN  
DESIGN RATE: 8-10 MIN/IN
3. FLOW RATE (GAL/DAY): 24 EMPLOYEES x 15 GPD/EMPLOYEE = 360 GPD  
USING WATER SAVING FIXTURES (20% REDUCTION)=288 GPD
4. SEPTIC TANK DESIGN: 1.5\*Q = 1.5\*288 = 432 GALLONS  
USE A 6,000 GALLON SEPTIC TANK
5. ELJEN DESIGN PER 2014 NYSDEC BOOK:
  - 5.1. APP. RATE: 0.9 GPD/SF
  - 5.2. DESIGN FLOW = 288 GPD
  - 5.3. 288 GPD / 0.9 GPD/SF = 320 S.F.
  - 5.4. USING 6 SF/LF YIELDS 53.33 LF  
DIVIDING BY 4 LF/ELJEN UNIT  
YIELDS 13.33 UNITS-SAY 14 UNITS  
PROVIDED: 1 LATS. @ 56 LF PER LATERAL  
= 56 LF w/100% EXPANSION

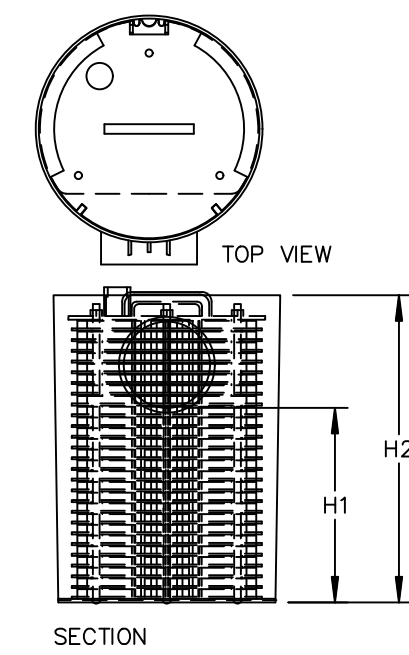


**SEPTIC/SWALE CROSS SECTION**

NOT TO SCALE

BRAND	MODEL	FLOW GPD	SLOT SIZE	L. FEET FILTRATION	PIPE SIZE	H1/H2 (IN)	*ALARM READY	USED FOR
POLYLOK	PL-68	800	1/16"	68	3 OR 4	16/22	N	RESIDENTIAL
	PL-122	1500	1/16"	122	4	12/18	Y	RES OR COMM
	PL-525	10,000	1/16"	525	4 OR 6	18/33	Y	RES OR COMM
ZABEL	PL-625	8,000	1/32"	625	4 OR 6	18/33	Y	GREASE TRAP
	A1801	800	1/16"	80	4	18	Y	RESIDENTIAL
	A100-8X18-VC	1,200	1/16"	59.5	4 OR 6	12.6/18.5	Y	RES / LT COMM
	A100-8X26-VC	1,800	1/16"	89	4 OR 6	19.6/25.5	Y	RES / LT COMM
	A100-8X32-VC	2,400	1/16"	119	4 OR 6	26.6/32.5	Y	RES / LT COMM
	A100-12X20-VC	3,000	1/16"	138	4 OR 6	13.3/19.8	Y	RES / LT COMM
	A100-12X28-VC	4,500	1/16"	212	4 OR 6	21.5/27.7	Y	RES / LT COMM
	A100-12X36-VC	6,000	1/16"	277	4 OR 6	29.2/35.5	Y	RES / LT COMM
	A300-8X18-VC	1,200	1/32"	64	4 OR 6	12.6/18.5	Y	LT COM/GREASE
	A300-8X26-VC	1,800	1/32"	94	4 OR 6	19.6/25.5	Y	LT COM/GREASE
	A300-8X32-VC	2,400	1/32"	123	4 OR 6	26.6/32.5	Y	LT COM/GREASE
	A300-12X20-VC	3,000	1/32"	146	4 OR 6	13.3/19.8	Y	GREASE/KENNEL
	A300-12X28-VC	4,500	1/32"	220	4 OR 6	21.5/27.7	Y	GREASE/KENNEL
	A300-12X36-VC	6,000	1/32"	285	4 OR 6	29.2/35.5	Y	GREASE/KENNEL
A600-8X18-VC	1,200	1/64"	64	4 OR 6	12.6/18.5	Y	FINE FILTRATION	
A600-8X26-VC	1,800	1/64"	94	4 OR 6	19.6/25.5	Y	FINE FILTRATION	
A600-8X32-VC	2,400	1/64"	123	4 OR 6	26.6/32.5	Y	FINE FILTRATION	
A600-12X20-VC	3,000	1/64"	147	4 OR 6	13.3/19.8	Y	FINE FILTRATION	
A600-12X28-VC	4,500	1/64"	220	4 OR 6	21.5/27.7	Y	FINE FILTRATION	
A600-12X36-VC	6,000	1/64"	293	4 OR 6	29.2/35.5	Y	FINE FILTRATION	

**ZABEL A100-600**



\*SEE SMARTFILTER ALARM FOR DETAILS

SPECIFICATIONS		SEPTIC TANK & GREASE TRAP EFFLUENT FILTERS	
CONSTRUCTION: PVC OR POLYETHYLENE PLASTIC		WOODARD'S CONCRETE PRODUCTS, INC.	
NSF STANDARD 45 CERTIFIED		629 LYBOLT ROAD, BULLVILLE, NY 10915	
		(845) 361-3471 / FAX 361-1050	
		PAGE 6H 12/12/12	

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THE PROPOSED SEWAGE DISPOSAL SYSTEM AND WATER SUPPLY SYSTEM SHOWN HAS BEEN DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS ESTABLISHED BY THE NEW YORK STATE DEPARTMENT OF HEALTH FOR RESIDENTIAL LOTS. THE DESIGNS ARE BASED UPON ACTUAL SOIL AND SITE CONDITIONS FOUND UPON THE LOTS AT THE DESIGN LOCATION DURING THE TIME OF THE DESIGN.

**TABLE 2  
REQUIRED SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS (FEET)**

SYSTEM COMPONENTS	WELL OR SUCTION LINE (e) (g)	STREAM, LAKE, WATERCOURSE (b), or WETLAND	DWELLING	PROPERTY LINE	DRAINAGE DITCH or RAIN GARDENS (h)
HOUSE SEWER DRAIN (WATERTIGHT JOINTS)	25 IF CAST IRON 50 OTHERWISE	25	3	10	10
SEPTIC TANK, DOSING TANK & WATERTIGHT ETU	50	50	10	10	10
EFFLUENT LINE TO DISTRIBUTION BOX/DROP BOX	50	50	10	10	10
DISTRIBUTION BOX/DROP BOX	100	100	20	10	50
ABSORPTION FIELD (c) (d)	100 (a)	100	20	10	50
SEEPAGE PIT (d)	150 (a)	100	20	10	50
RAISED SYSTEM or MOUND (c) (d)	100 (a)	100	20	10	50
INTERMITTENT SAND FILTER (d)	100 (a) (f)	100 (f)	20	10	50
NON WATERBORNE SYSTEMS WITH OFFSITE RESIDUAL DISPOSAL	50	50	20	10	50
NON WATERBORNE SYSTEMS WITH ONSITE DISCHARGE	100	50	20	10	50

NOTES:  
 A) WHEN WASTEWATER TREATMENTS SYSTEMS ARE LOCATED UPGRADE AND IN THE DIRECT PATH OF SURFACE WATER DRAINAGE TO A WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM SHALL BE AT LEAST 200 FEET AWAY FROM THE WELL.  
 B) MEAN HIGH WATER MARK, WETLAND OR WATERCOURSE DETERMINATIONS SHOULD BE ADDRESSED WITH THE LHD OR OTHER AGENCY HAVING JURISDICTION AND THE APPLICABLE NYSDEC REGIONAL OFFICE.  
 C) FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL MATERIAL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF SLOPE OF THE FILL, EXCEPT FOR SOME SHALLOW ABSORPTION TRENCH SYSTEMS AS DESCRIBED IN 9.12.2 OF THIS HANDBOOK.  
 D) SEPARATION DISTANCES SHALL ALSO BE MEASURED FROM THE EDGE OF THE DESIGNATED ADDITIONAL USEABLE AREA [i.e. RESERVE AREA], WHEN AVAILABLE.  
 E) THE CLOSEST PART OF THE WASTEWATER TREATMENT SYSTEM SHALL BE LOCATED AT LEAST TEN (10) FEET FROM ANY WATER SERVICE LINE (e.g., PUBLIC WATER SUPPLY MAIN, PUBLIC WATER SERVICE LINE OR RESIDENTIAL WELL WATER SERVICE LINE).  
 F) WHEN INTERMITTENT SAND FILTERS ARE DESIGNED TO BE WATERTIGHT AND COLLECT ALL EFFLUENT, THE SEPARATION DISTANCE CAN BE REDUCED TO 50 FEET.  
 G) THE LISTED WATER WELL SEPARATION DISTANCES FROM CONTAMINANT SOURCES SHALL BE INCREASED BY 50% WHENEVER AQUIFER WATER ENTERS THE WATER WELL AT LESS THAN 50-FEET BELOW GRADE. IF A 50% INCREASE CANNOT BE ACHIEVED, THEN THE GREATEST POSSIBLE INCREASE IN SEPARATION DISTANCE SHALL BE PROVIDED WITH SUCH ADDITIONAL MEASURES AS NEEDED TO PREVENT CONTAMINATION.  
 H) RECOMMENDED; USE SITE EVALUATION TO AVOID OWTS SHORT-CIRCUITING TO THE SURFACE OR GROUNDWATER AND TO MINIMIZE IMPACTS ON OWTS FUNCTIONALITY.  
 EMBANKMENT OR VERY STEEP SLOPE: IT IS RECOMMENDED THAT SYSTEM COMPONENTS BE LOCATED A MINIMUM OF 25 FEET AND THE ABSORPTION FIELD BE LOCATED A MINIMUM OF 50 FEET FROM AN EMBANKMENT OR VERY STEEP SLOPE. MAXIMIZE SEPARATION DISTANCES AND USE SITE EVALUATION TO AVOID SHORT-CIRCUITING TO SURFACE (BREAKOUT OR SEEPAGE).  
 SWIMMING POOLS (ABOVE OR BELOW GROUND): IT IS RECOMMENDED THAT SYSTEM COMPONENTS BE LOCATED A MINIMUM OF 20 FEET AND THE ABSORPTION FIELD BE LOCATED A MINIMUM OF 35 FEET FROM SWIMMING POOLS. MAXIMIZE SEPARATION DISTANCES AND USE SITE EVALUATION TO MINIMIZE IMPACTS ON OWTS ACCESSIBILITY AND FUNCTIONALITY.

**ACCEPTED AS ORANGE COUNTY HEALTH DEPARTMENT POLICY & STANDARD WITH THE FOLLOWING ADDITIONS**

1. SEPARATION: WELL TO SWALE, STREAM OR WATERCOURSE - 25'
2. SEPARATION: ABSORPTION FIELD TO THE HIGH WATER LINE OF A WET POND - 100'
3. SEPARATION: ABSORPTION FIELD TO INTERMITTENT STREAM, DRY WELL, CULVERT OR STORM SEWER (NON-GASKETED PIPE), OR CATCH BASIN - 50'
4. SEPARATION: ABSORPTION FIELD TO CULVERT OR STORM SEWER (GASKETED, TIGHT PIPE) - 35'
5. SEPARATION: ABSORPTION FIELD TO CURTAIN DRAIN - 15'
6. SEPARATION: ABSORPTION FIELD, PITS, EXPANSION AREA, TO TOP OF EMBANKMENT OR STEEP (1 ON 3) SLOPE - 25'
7. SEPARATION: ABSORPTION FIELD TO SOLID CURTAIN DRAIN, ROOF OR FOOTING PIPES, SNOW STORAGE ESMT - 10'
8. DRAINAGE PIPES WITHIN 25' OF ANY WELL MUST BE WATERTIGHT.
9. SEPARATION: WELL TO CEMETERY PROPERTY LINE - 100'
10. SEPARATION: WELL TO SUBDIVISION BOUNDARY - 50'
11. SEPARATION: EVAPOTRANSPIRATION-ABSORPTION SYSTEM TO DRAINAGE DITCH - 50'
12. SEPARATION: DRY WELL (ROOF AND FOOTING) TO DRAINAGE DITCH - 50'

REVISION	BY	DATE	DESCRIPTION

THIS SHEET IS NOT VALID WITHOUT ALL OF THE SHEETS THAT COMPRISE THE SET

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SITE PLAN FOR  
 572 NYS ROUTE 208  
 VILLAGE OF SOUTH BLOOMING GROVE  
 ORANGE COUNTY, N.Y.

SEWAGE DISPOSAL DETAILS 01

JOB#: 24-033  
 SCALE: AS NOTED  
 DATE: 08-08-24  
 DRAWN: MM  
 CHECKED: MM  
 SHEET NO. 06 of 7

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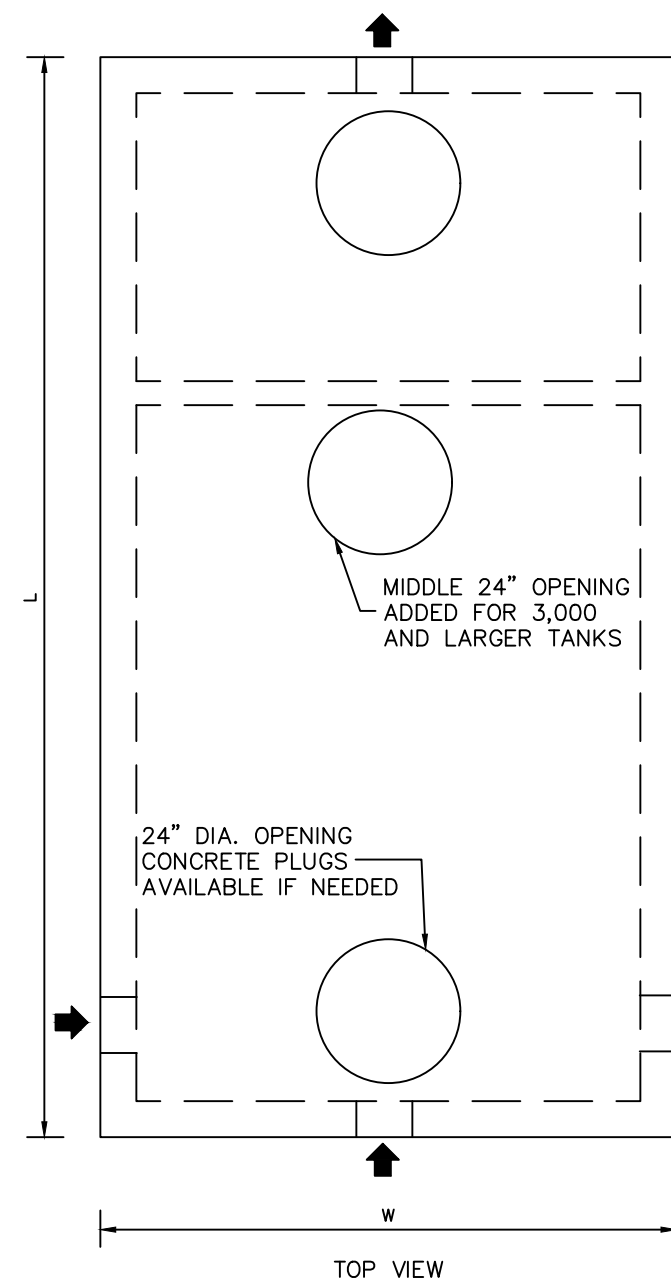


**SANITARY NOTES**

- THE DESIGN AND LOCATION OF SANITARY (WATER & SEWER) SYSTEMS SHALL NOT BE CHANGED.
- ALL WELLS W/1 300' OF THE PROJECT HAVE BEEN LOCATED BY THE PROJECT SURVEYOR AND SHOWN ON THE PLANS.
- TRENCHES SHALL NOT BE INSTALLED IN WET SOIL. THE SIDES AND BOTTOM OF TRENCHES MUST BE RAKED. THE ENDS OF ALL OF THE LATERALS MUST BE CAPPED.
- THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
- HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDEQ COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
- NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES THAT MAY COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THE ABSORPTION FIELD.
- THIS SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS OR JACUZZI TYPE SPA TUBS OVER 100 GALLONS. AS SUCH, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM AND REAPPROVED BY THE OCDOH.
- THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC (OR ANY PUMPING OR DOSING CHAMBER) TO THE BUILDING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
- THE OWNER/APPLICANT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES.
- \*SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS.
- \*PUMP STATIONS/DOSING CHAMBERS SHOULD BE INSPECTED PERIODICALLY BY A PROPERLY TRAINED PERSON FOR PROPER OPERATION, INCLUDING HIGH WATER ALARMS, VENTING AND ANY PHYSICAL DAMAGE.
- \*DISTRIBUTION BOXES/DROP BOXES SHOULD BE INSPECTED ANNUALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.
- INDIVIDUAL WELLS AND SEWAGE DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SEWER SYSTEM IS REQUIRED WITHIN 1 YEAR OF AVAILABILITY.
- ORANGE COUNTY DEPARTMENT OF HEALTH PLAN APPROVAL IS LIMITED TO 5 YEARS. TIME EXTENSIONS FOR PLAN APPROVAL MAY BE GRANTED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH BASED UPON DEVELOPMENT FACTS AND THE REALTY SUBDIVISION REGULATIONS IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.
- A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER (OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY THE NYS EDUCATION DEPT.) SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY, ANY TREATMENT, AND SEWAGE DISPOSAL FACILITIES) AT THE TIME OF CONSTRUCTION. PRIOR TO OCCUPANCE OF THE STRUCTURE, THE ENGINEER SHALL CERTIFY TO THE LOCAL CODE ENFORCEMENT OFFICER AND THE OCDOH THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS. A COPY OF THE NYSDEC WELL COMPLETION REPORT MUST ALSO BE PROVIDED.
- SEPTIC TANK TO BE REINFORCED CONCRETE.
- NO CELLAR, FOOTING, OR ROOF DRAINS SHALL DISCHARGE INTO SEPTIC TANKS OR DRAIN FIELDS.
- THE SEWAGE DISPOSAL SYSTEM SHALL BE DESIGNED, LOCATED AND CONSTRUCTED TO ALLOW FOR A 100% EXPANSION FOR ELJEN SYSTEMS CAPABILITY FOR FUTURE USE.
- INSTALL TRENCHES PARALLEL TO CONTOURS.
- DRIVEWAYS AND OTHER STRUCTURES WHICH MAY COMPACT THE SOILS SHALL NOT BE CONSTRUCTED ON TOP OF ABSORPTION FIELD.
- DIVERSION SWALES TO BE LOCATED UPHILL FROM THE SEWAGE DISPOSAL AREA. THE DIVERSION SWALES ARE TO DIVERT RUNOFF AWAY FROM THE SEWAGE DISPOSAL AREA AND THE FUTURE EXPANSION AREA.
- SEPTIC TANK INLETS TO BE OPPOSITE OUTLET.
- ALL TREES, STUMPS, BRUSH, WEEDS, ETC. SHALL BE CUT TO GRADE AND REMOVED. ALL LEAVES, LIMBS, AND BOLLERS ABOVE GRADE SHALL BE CAREFULLY REMOVED.
- THE SUBJECT PARCEL DOES NOT FALL WITHIN A PUBLIC WATER SUPPLY WATERSHED.
- ALL ROOF AND FOOTING DRAINS MUST DISCHARGE AWAY FROM SANITARY ABSORPTION FACILITIES.
- SEPTIC TANKS SHALL BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS.
- DISTRIBUTION BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.

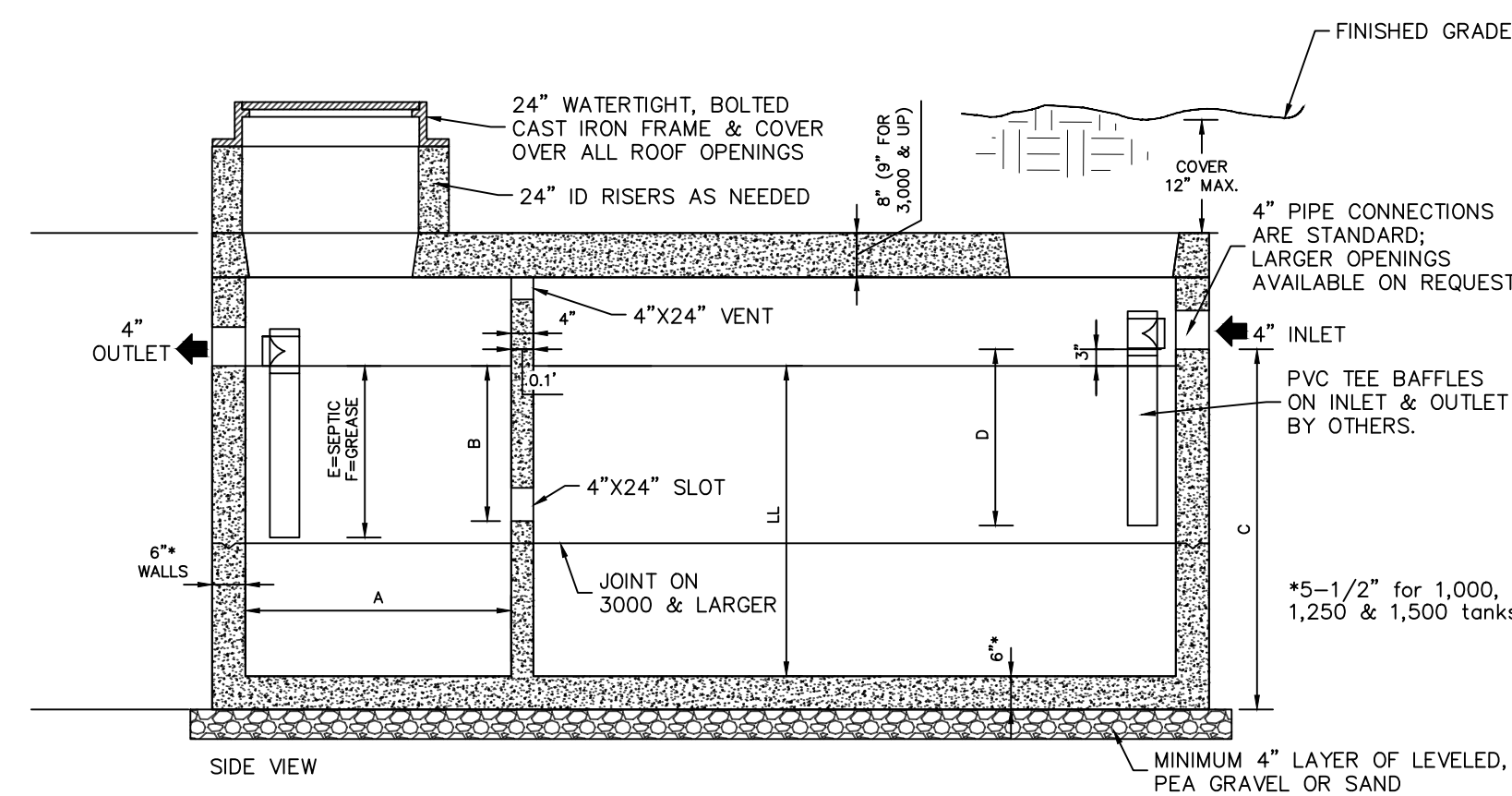
**ELJEN NOTES**

- THIS DESIGN AND CONSTRUCTION REQUIREMENT COMPLIES WITH APPENDIX 75-A AND LOCAL HEALTH DEPARTMENT REGULATIONS.
- THIS DESIGN COMPLIES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT ELJEN NEW YORK DESIGN AND INSTALLATION MANUAL.
- THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL.
- ORGANIC MATERIAL THAT CAN RESTRICT FLOW MUST BE REMOVED FOR RAISED BEDS. THE SOIL MUST BE SCARIFIED TO PROVIDE DEEP CHANNELS FOR THE SAND. A FLOWED INTERFACE ON CONTOUR IS RECOMMENDED TO PREPARE THE SOIL FOR FILL PLACEMENT.
- SCARIFY ANY SMEARED SUBSOIL PRIOR TO FILL PLACEMENT.
- FILL MATERIAL SHALL MEET OR EXCEED STATE OF NEW YORK CODE REQUIREMENTS. ALL FILL MATERIAL SHALL BE CLEAN BANK RUN SAND, FREE OF TOPSOIL, HUMUS, AND 'DREDGING' DIRECTLY BENEATH THE GSF SYSTEM.
- ASTM C33 SPECIFIED SAND WITH LESS THAN 10% PASSING A #100 SIEVE AND LESS THAN 5% PASSING A #200 SIEVE SHALL BE PLACED BELOW AND AROUND THE GSF MODULES, WITH 6 INCHES MINIMUM UNDERNEATH AND 6 INCHES MINIMUM SURROUNDING THE GSF MODULES IN TRENCH CONFIGURATIONS. IN BED SYSTEMS, USE 6 INCHES MINIMUM UNDERNEATH THE MODULES WITH 12 INCHES MINIMUM BETWEEN MODULE ROWS AND 12 INCHES MINIMUM AROUND THE PERIMETER OF THE MODULES.
- ELJEN PROVIDED GEOTEXTILE COVER FABRIC SHALL PROVIDE PROPER TENSION AND ORIENTATION OF THE FABRIC AROUND THE SIDES OF THE PERFORATED PIPE ON TOP OF THE GSF MODULES. FABRIC SHOULD BE NEITHER TOO LOOSE, NOR TOO TIGHT. THE CORRECT TENSION OF THE COVER FABRIC IS SET BY:
  - SPREADING THE COVER FABRIC OVER THE TOP OF THE MODULE AND DOWN BOTH SIDES OF THE MODULE WITH THE COVER FABRIC TIGHT OVER THE TOP OF THE PERFORATED DISTRIBUTION PIPE.
  - PLACE SHOVEL FULLS OF SPECIFIED SAND DIRECTLY OVER THE PIPE AREA ALLOWING THE COVER FABRIC TO FORM A MOSTLY VERTICAL ORIENTATION ALONG THE SIDES OF THE PIPE. REPEAT THIS STEP MOVING DOWN THE PIPE.
- BACKFILL MATERIAL SHALL BE CLEAN WITH NO ROOTS OR STONES LARGER THAN 2 INCHES IN ANY DIMENSION TO A MINIMUM DEPTH OF 8 INCHES OVER THE GSF MODULES AND FINAL COVER FOR VEGETATION OF 4 INCHES TO 6 INCHES OF CLEAN LOAM.
- ANY SYSTEM WHICH IS MORE THAN 18 INCHES BELOW FINISH GRADE AS MEASURED FROM THE TOP OF THE MODULE SHALL BE VENTED.



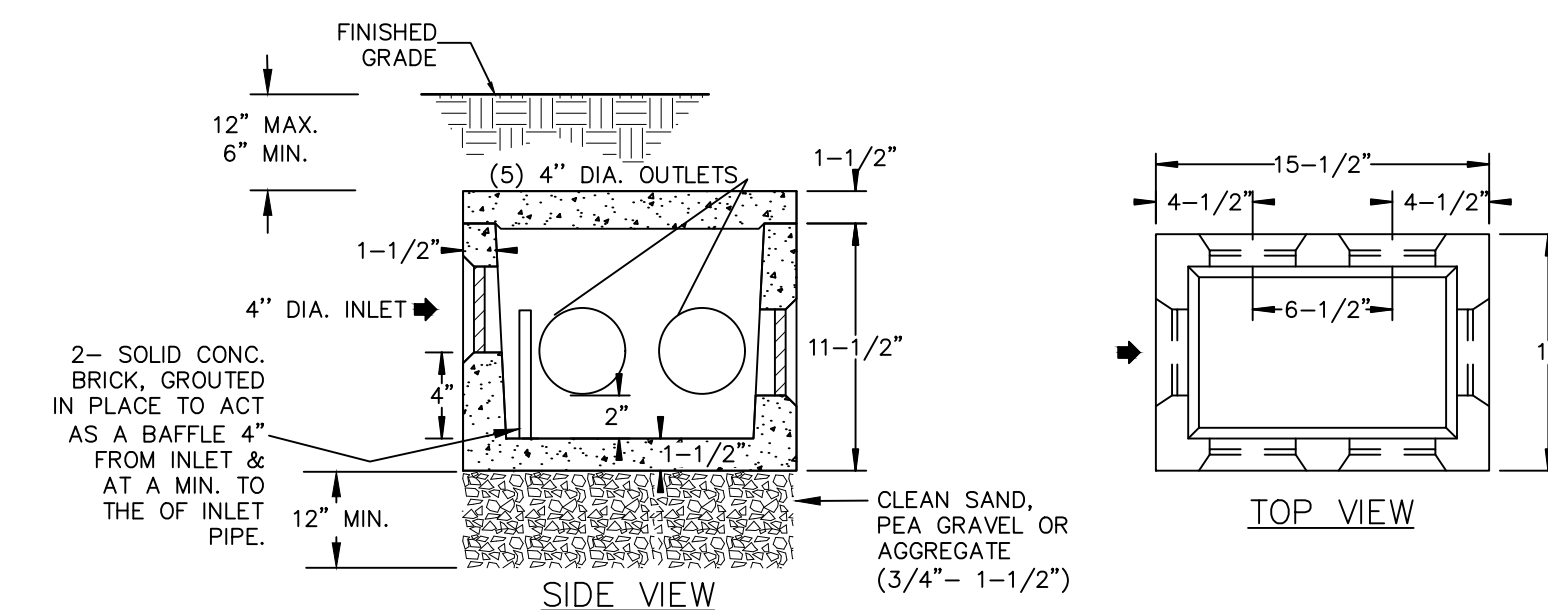
Gallons	L	W	H	LL	A	B	C	D	E	F
750	9'-6"	4'-6"	5'-11"	42"	34"	23"	51"	24"	21"	30"
1,000	10'-9"	5'-11"	4'-8"	35"	38"	16"	43"	21"	18"	23"
1,250	10'-9"	5'-11"	5'-2"	41"	38"	19"	49"	24"	21"	29"
1,500	10'-9"	5'-11"	5'-10"	49"	38"	22"	57"	27"	24"	37"
2,000	12'-6"	6'	7'-2"	58"	46"	31"	67"	32"	29"	46"
2,500	14'	6'-6"	7'-2"	58"	46"	31"	67"	32"	29"	46"
3,000	15'-6"	7'	7'-3"	58"	52"	31"	67"	32"	29"	46"
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.



SPECIFICATIONS	PRECAST TRAFFIC DUTY TANKS
CONCRETE MIN. STRENGTH: 4,000 PSI AT 28 DAYS	750 TO 6,000 GALLONS
REINFORCEMENT: #4 & #5 REBAR / ASTM A615	SEPTIC TANKS & GREASE TRAPS
AIR ENTRAINMENT: 6%	
CONSTRUCTION JOINT: BUTYL RUBBER SEALANT	WOODARD'S CONCRETE PRODUCTS, INC. OR EQUAL
PIPE CONNECTION: POLYLOK SEAL OR AS NEEDED	629 LYBOLT ROAD, BULLVILLE, NY 10915
LOAD RATING: HS20-44 + 30% / ASTM CB57	(845) 361-3471 / FAX 361-1050
	Page 4A 7/28/20

**2,500 GALLON SEPTIC TANK**  
NOT TO SCALE



**PRE-CAST DISTRIBUTION BOX DB-6**  
NOT TO SCALE

- NOTES:
- ONE LATERAL TO REMAIN PLUGGED ON EACH SIDE WHEN USED AS A DROP MANHOLE.
  - FLOW EQUALIZERS ARE REQUIRED ON ALL OUTLETS.
  - THE OUTLETS MUST BE USED IN A MANNER WHICH WILL ALLOW ACCESS TO THE EXPANSION AREA W/O DISTURBING EXISTING PIPING.
  - ALL INVERTS MUST BE SET AT THE SAME ELEVATION. SPECIFICATIONS

CONCRETE MINIMUM STRENGTH - 4,000 PSI AT 28 DAYS  
REINFORCEMENT - FIBER  
PIPE CONNECTION - POLY-LOK SEAL

REVISION	BY	DATE	DESCRIPTION

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SITE PLAN FOR  
572 NYS ROUTE 208  
VILLAGE OF SOUTH BLOOMING GROVE  
ORANGE COUNTY, N.Y.

SEWAGE DISPOSAL DETAILS 02

JOB#: 24-033  
SCALE: AS NOTED  
DATE: 08-08-24  
DRAWN: MM  
CHECKED: MM  
SHEET NO. 07 of 7

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