

CONSTRUCTION NOTES:

- EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHOWN ON THE PLAN ARE BASED UPON RECORD DRAWINGS AND FIELD RECORDS. FIELD RECORDS OR OFFICIAL MAPS WITH THE PROJECT SITE, WHETHER THE OWNER OR THE ENGINEER GUARANTEE ACCURACY OR COMPLETENESS OF THIS INFORMATION AND ASSUME NO RESPONSIBILITY FOR PROPER LOCATIONS SHOWN ON THE DRAWINGS. THE ENGINEER HAS CONDUCTED VISUAL SURVEYS OF THE WORK. ALL INVERT ELEVATIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- IF UNEXPECTED CONDITIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVED LOCATIONS AND MAINTAIN UNINTERRUPTED OPERATION.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND APPROVED LOCATIONS AND MAINTAIN UNINTERRUPTED OPERATION.
- CONTRACTOR SHALL CALL THE UTILITIES UNDERGROUND LOCATION CENTER FOR FIELD LOCATIONS OF ALL UTILITIES AND SHALL NOT BEGIN EXCAVATION UNTIL ALL KNOWN UNDERGROUND FACILITIES IN THE VICINITY OF THE PROJECT SITE HAVE BEEN LOCATED AND MARKED. IF THE UTILITY IS NOT A SIZES OF 12" OR LARGER, THE CONTRACTOR SHALL CALL THE UTILITY CENTER THEN THE CONTRACTOR SHALL GIVE NOTICE TO THAT UTILITY.
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ALL INFORMATION PROVIDED BY UTILITY PROVIDERS, AND CITY OR STATE RECORDS RELATED TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES AND SHALL RESTORE ALL UTILITIES AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY ALL UTILITY SERVICES FOR TEMPORARY SHUT-OFF AS REQUIRED. CONTRACTOR SHALL MAINTAIN AND PROTECT SERVICES AS REQUIRED DURING DEMOLITION OPERATIONS.
- NO PUBLIC WAYS OR WALLS MAY BE OBTAINED WITHOUT THE WRITTEN PERMISSION OF GOVERNING AUTHORITIES AND OF THE OWNER WHERE ROUTES ARE PERMITTED TO BE CLOSED. PROVIDE ALTERNATE ROUTES AND SIGNAGE AS REQUIRED.
- WET DEBRIS WITH WATER AS NECESSARY TO LIMIT DUST TO LOWEST PRACTICAL LEVEL. DO NOT WET TO THE EXTENT OF FLOODING. CONTAMINATED RUNOFF, ORICING.
- ANY PORTIONS OF PAVEMENT TO BE REMOVED MUST BE SEPARATED BY MAKING A WEATHERED CUT AT THE 6" JOINTS OF THE AREA TO BE REMOVED. MAKE CUTS AT CLOSEST PARKING CURB.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL LABOR EQUIPMENT AND SERVICES TO PROPERLY EXECUTE THE DEMOLITION AND REMOVAL WORK INDICATED ON THESE CONSTRUCTION DOCUMENTS.
- ALL DEMOLITION WORK SHALL BE PERFORMED WITH MINIMUM DAMAGE TO THE EXISTING WORK TO REMAIN. IT SHALL BE RECOGNIZED THAT THE ULTIMATE CARE BE TAKEN WHEN PERFORMING THE DEMOLITION WORK. PROVIDE BARRICADES, BARRIERS, AND SIGNING WHERE REQUIRED TO PROTECT THE PUBLIC, PERSONNEL, CONSTRUCTION, AND VEGETATION TO REMAIN ADJACENT TO THE PROJECT SITE AND LOCAL AGENCY REQUIREMENTS.
- PROVISIONS SHALL BE MADE TO ALLEViate THE SPREAD OF DEBRIS, DIRT, AND DUST TO THE ADJACENT PROPERTIES. THE PROPERTY SHALL BE KEPT AS CLEAN AS POSSIBLE AT ALL TIMES. MAIN Hauling ROUTES CLEAN PROJECT. ANY HAZARDOUS MATERIALS SHALL BE REMOVED FROM THE PROJECT. HAZARDOUS MATERIAL REMOVAL SHALL BE PERFORMED PRIOR TO ANY DEMOLITION ACTIVITY. THE HAZARDOUS MATERIAL REMOVAL SHALL BE PERFORMED BY A LICENSED ASBESTOS COMPANY.
- THE REUSE RESULTING FROM ANY CLEARING AND GRUBBING AND ALL DEBRIS AND MATERIALS FROM THE STRUCTURE TO BE DEMOLISHED SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER CONSISTENT WITH ALL GOVERNMENT REGULATIONS. IN NO CASE SHALL REFUSE MATERIAL BE LEFT ON THE PROJECT SITE, PUSHED ONTO ADJUTING PRIVATE PROPERTIES, OR BE BURIED IN EXCAVATIONS OR TRENCHES ON THE PROJECT SITE. ALL DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE. PRIVATE PROPERTY OWNER NO REQUIRED LUMBER OR MATERIALS SHALL BE REUSED EXCEPT AS SPECIFICALLY APPROVED BY THE ARCHITECT OR OWNER.
- WHERE DEMOLITION AND CUTTING WORK HAS OCCURRED OR WHERE EXISTING SURFACES, MATERIALS, OR OTHER ITEMS HAVE BEEN DAMAGED OR DISTURBED AS A RESULT OF THE CONTRACTED WORK, THE SAID SURFACES AND AREAS SHALL BE CAREFULLY CLOSED UP, PATCHED, REPAIRED, FINISHED OR RESTORED AS REQUIRED TO BE CONTIGUOUS TO EXISTING SURROUNDING SURFACES.
- ALL MECHANICAL, ELECTRICAL, AND PLUMBING DEMOLITION, INCLUDING GAS LINE REMOVAL IS TO BE PERFORMED BY A CONTRACTOR OR SUB-CONTRACTOR LICENSED IN THE PARTICULAR TRADE.

TOWN NOTES:

THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED BY THE COUNTY ENGINEER IN ACCORDANCE WITH SECTION 238-A(4) OF THE MUNICIPAL LAW OF THE STATE OF NEW YORK.

SITE/CIVIL CONSTRUCTION SEQUENCING:

- INSTALL SILT FENCE, EROSION CONTROL, AND CONSTRUCTION FENCE
- PERFORM DEMOLITION AS PER SPECIFICATIONS
- REMOVE ALL DEBRIS AS PER SPECIFICATION
- INSTALL ALL ADDITIONAL EROSION CONTROL AND STABILIZATION
- GRADE AND STABILIZATION
- PERFORM EROSION CONTROL, ENSURE PROPER
- INSTALL SUBSURFACE UTILITIES (SEPTIC SYSTEM, & ROUGH STEWAGE (MINOR REGARDING) PROVIDE TEMP. SEEDING / SOODING & EROSION CONTROL MEASURES
- CONSTRUCTION OF SURFACE SITE STRUCTURES, MANHOLES & UTILITY TRENCHES
- REMOVE EXISTING PARKING / STAGING AREA
- INSTALL SITE WALLS & PERFORM FINISH GRADING
- REMOVE TEMP. EROSION CONTROL MEASURES, INSTALL NEW PERMANENT VEGETATION, SITE STABILIZATION (80% MINIMUM DENSITY OF VEGETATION MUST BE ACHIEVED PRIOR TO REMOVAL TEMPORARY EROSION CONTROL MEASURES)

DRAWING LIST

NO.	TITLE PAGE AND NOTES
C001	SITE PLAN
C002	SITE DETAILS
C003	STORMWATER MANAGEMENT
C004	EROSION CONTROL DETAILS

SANITARY SEWER LINE REQUIREMENTS

- CLEANOUTS SHALL BE PROVIDED ON SEWER LINES WHEREVER A GRADE CHANGE OR ALIGNMENT CHANGE IS MADE. (SEE CLEANOUT DETAIL FOR MORE INFO)
- SEWER LINES SHALL BE SEPARATED FROM POTABLE WATER LINES BY A MINIMUM OF 18" BELOW WATER LINES. WATER LINE JOINTS MUST BE MINIMUM 10' FROM EQUIVALENT TO WATER MAIN SPECIFICATIONS AND SHALL BE PRESSURE TESTED FROM 80' TO 100' PSIG.
- SEWER LINES SHALL BE MINIMUM 12" IN DIAMETER.
- SEWER LINES SHALL BE OF CAST-IRON PIPE FOR A MINIMUM DISTANCE OF 2' BEYOND FOUNDATION WALL.
- GRAVITY LINES TO BE PITCHED MINIMUM 1/4" VERTICAL PER 1' HORIZONTAL.
- TRENCHES ARE TO BE FIRMLY TAMPED BY HAND ABOUT THE PIPE.

SCOPE OF WORK

THE SCOPE OF WORK IS TO CONSTRUCT A NEW SINGLE-FAMILY RESIDENTIAL DWELLING ON THE EXISTING UNDEVELOPED LOT AT THE REFERENCED ADDRESS. SANITARY SEWER SYSTEM, STORMWATER RETENTION & INFILTRATION MANAGEMENT SYSTEM, SEDIMENT & EROSION CONTROL, AND SITE GRADING DESIGNS HAVE BEEN PREPARED.

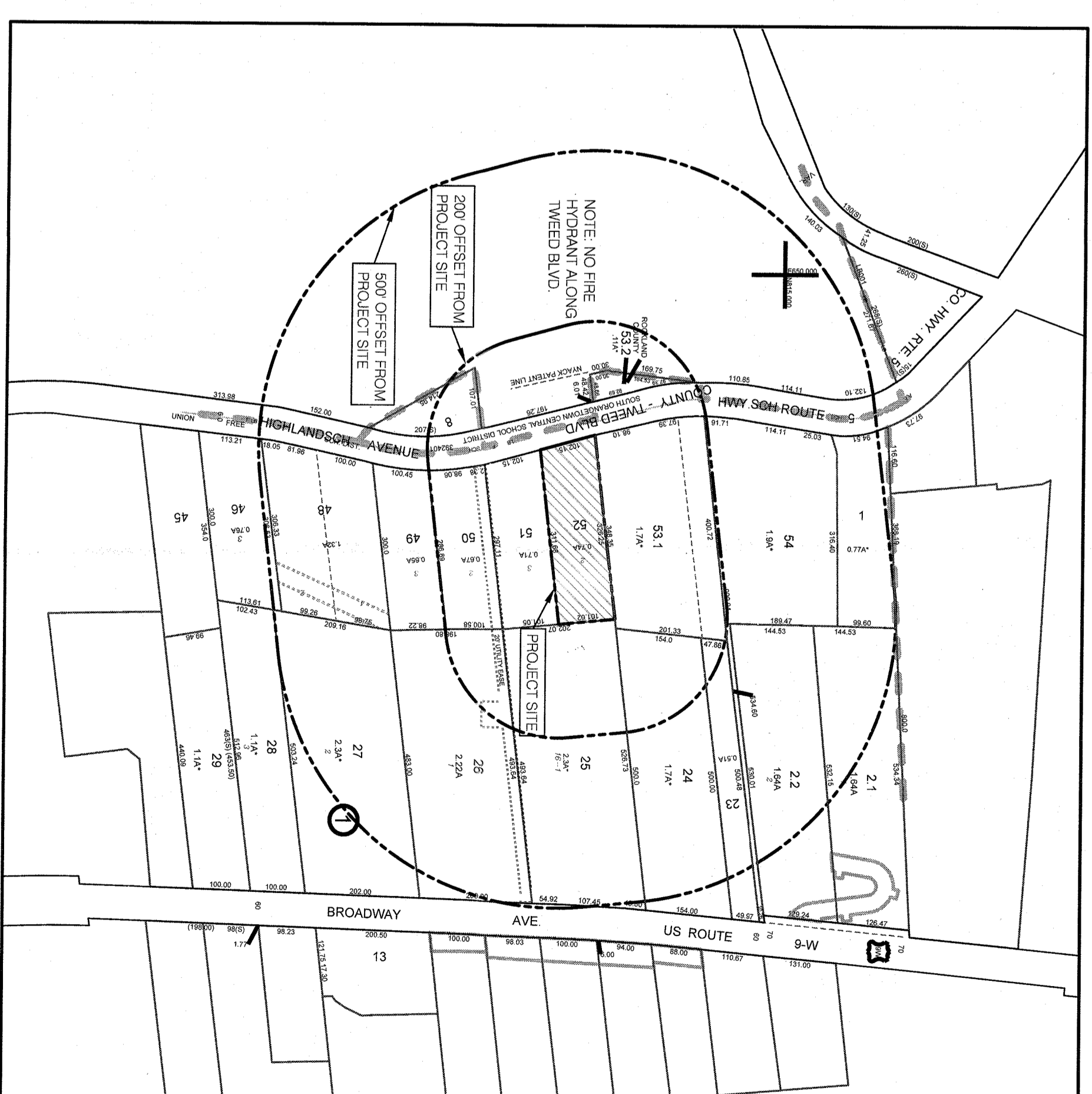
COUNTY OF ROCKLAND HEALTH DEPARTMENT REQUIREMENTS

- Inspection fee to be made out to the Rockland County Commissioner of Finance.
- Contractor is responsible to inspect the excavation prior to the installation of the selected fill.
- Copies of the material delivery tickets for the selected fill are to be submitted, showing the mix, quantity and with the correct property address.
- This agreement must be contacted to inspect the installation of the stormwater retention system, including the piping and all joints.
- The department must witness the testing of the pump system, including an alarm test and closing of the bed.
- As-built review. The applicant's contractor must submit a line drawing showing the location of the system elements to the Health Department and other participating structures.

STORM WATER SYSTEM CLEANING AND MAINTENANCE:

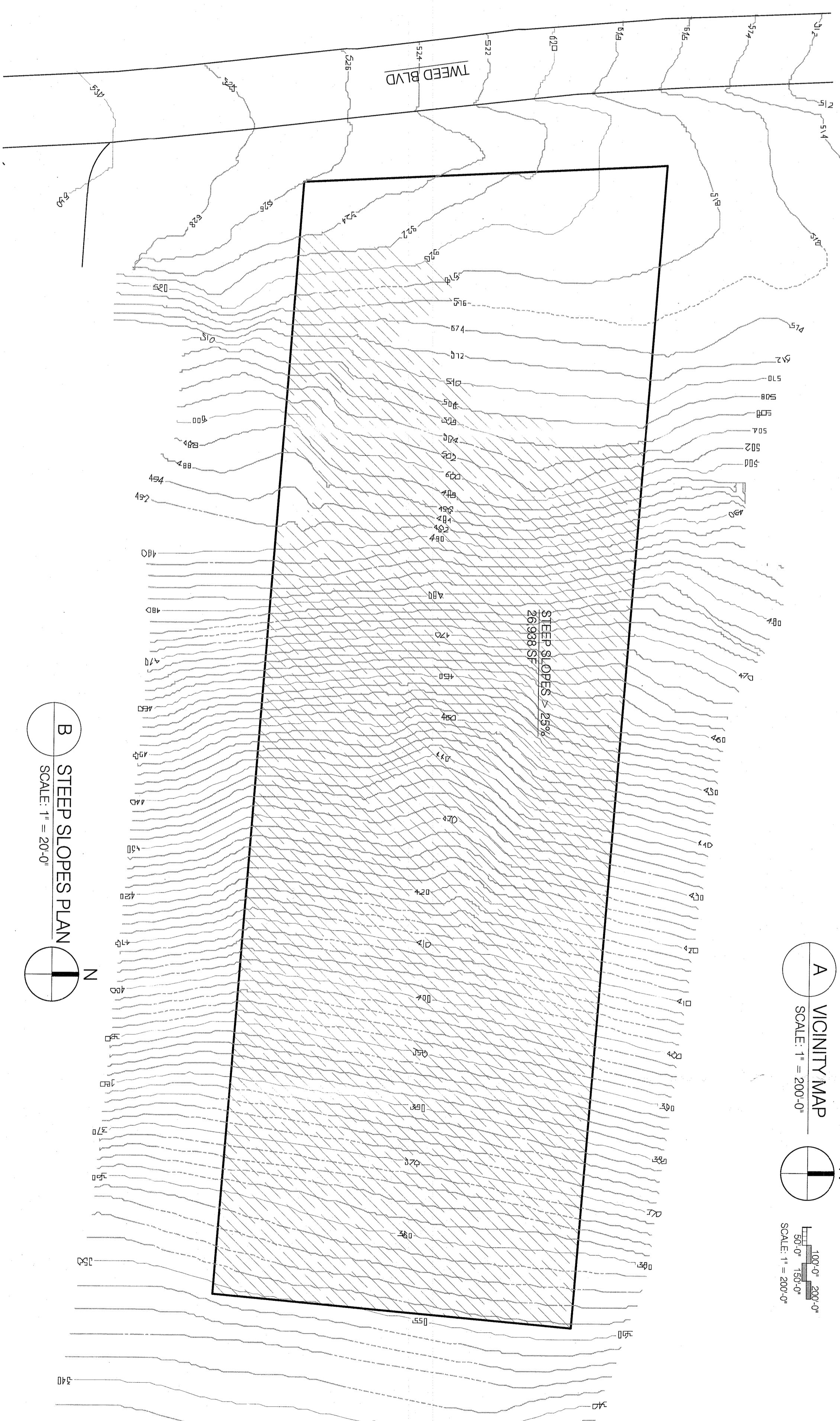
STORM WATER SYSTEM SHOULD BE CLEANED OF LEAVES, SAND, DIRT, SEDIMENT, TRASH AND OTHER DEBRIS BY HAND OR BY MACHINERY. THE SYSTEM IS TO BE EVALUATED CLEANED AND MAINTAINED AS NECESSARY TO PREVENT BLOCKAGES AND INTERIOR DAMAGES SHOULD BE MAINTAINED TO ELIMINATE ORIGINAL DESIGNER. SEE MAINTENANCE PLAN ON FILE WITH DEPARTMENT FOR MORE DETAILS.

Group	Use	Required	Existing	Proposed
Single Family Detached Residence				
Floor Area Ratio	0.20	0.00	0.28	
Lot Area (SF)	22500	32,268	32,268	
Counted Lot Area (under 25%)		18,799	18,799	
Floor Area (as per note 16)	3759.8	0	5323	
Lot Width (FT)	125	101	101	
Street Frontage (FT)	75	102.15	102.15	
Front yard setback (Town)	40' from PL	na	30	
Side yard setback (FT)	36'na	20.17	42.92	
Rear yard setback (FT)	49'na	244.5	244.5	
Maximum building height (FT)	20'na	36.17	36.17	
Maximum building height (FT)	2 spaces	0	0	



A VICINITY MAP
SCALE: 1" = 200'-0"

B STEEP SLOPES PLAN
SCALE: 1" = 20'-0"

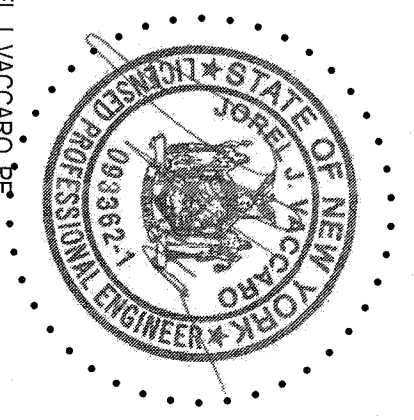


B STEEP SLOPES PLAN
SCALE: 1" = 20'-0"

REVISIONS

NO.	DESCRIPTION

NOTES & SLOPE ANALYSIS
SEAL & SIGNATURE:
11 TWEED BLVD.
UPPER GRANDVIEW, NY



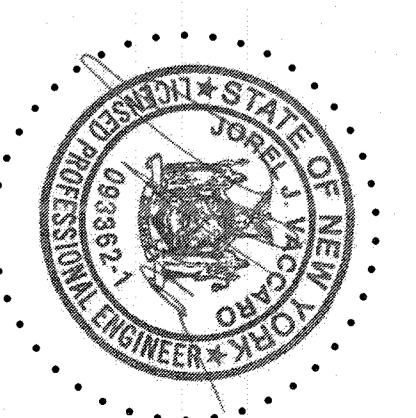
JOSEPH J. MACCARROLL, PE
NY # 12888
DATE: 5/24/2021
PROJECT #: 20001
DRAWN/DESIGNED: JAW
SCALE: NOTED
PAGE: 01 OF 06

REVISIONS

11 TWEED BLVD.
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SITE PLAN

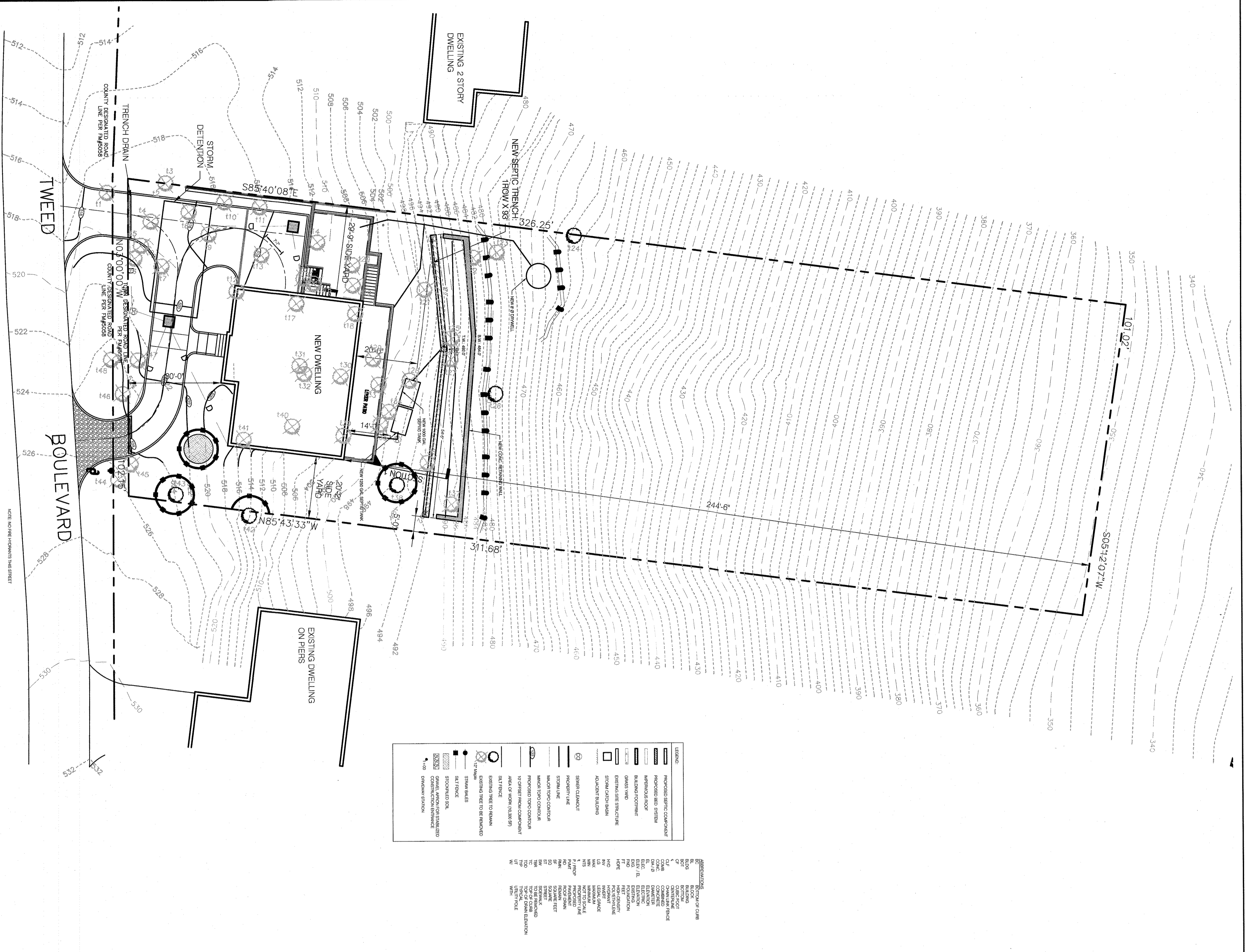
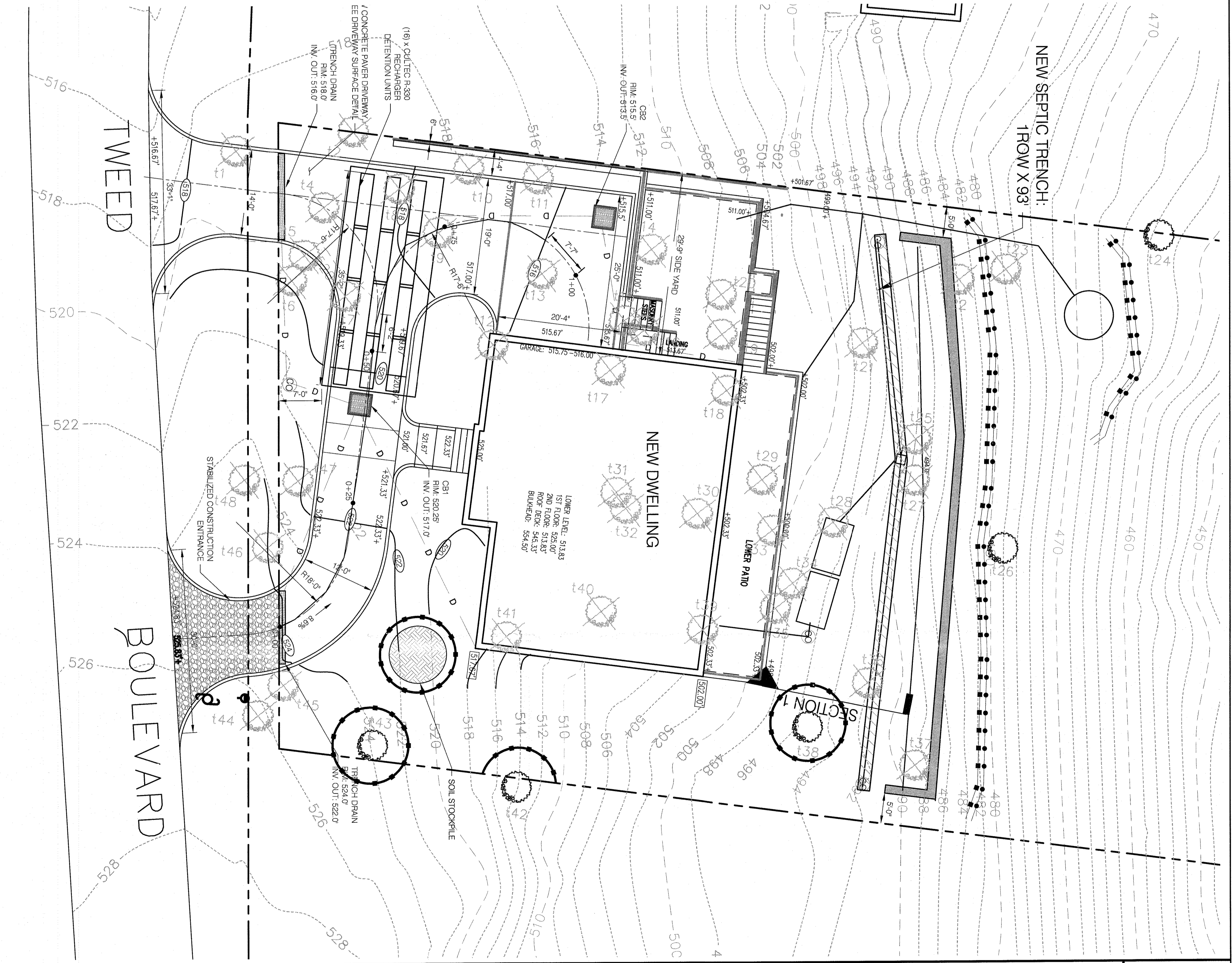
SEAL & SIGNATURE



JOSEPH L. VACCARO, PE
 NY PE 0294897

DATE: 5/24/2021
 PROJECT #: 20001
 DRAWING CHECKED: JLV
 SCALE: NOTED
 PAGE: 02 OF 06

C-100

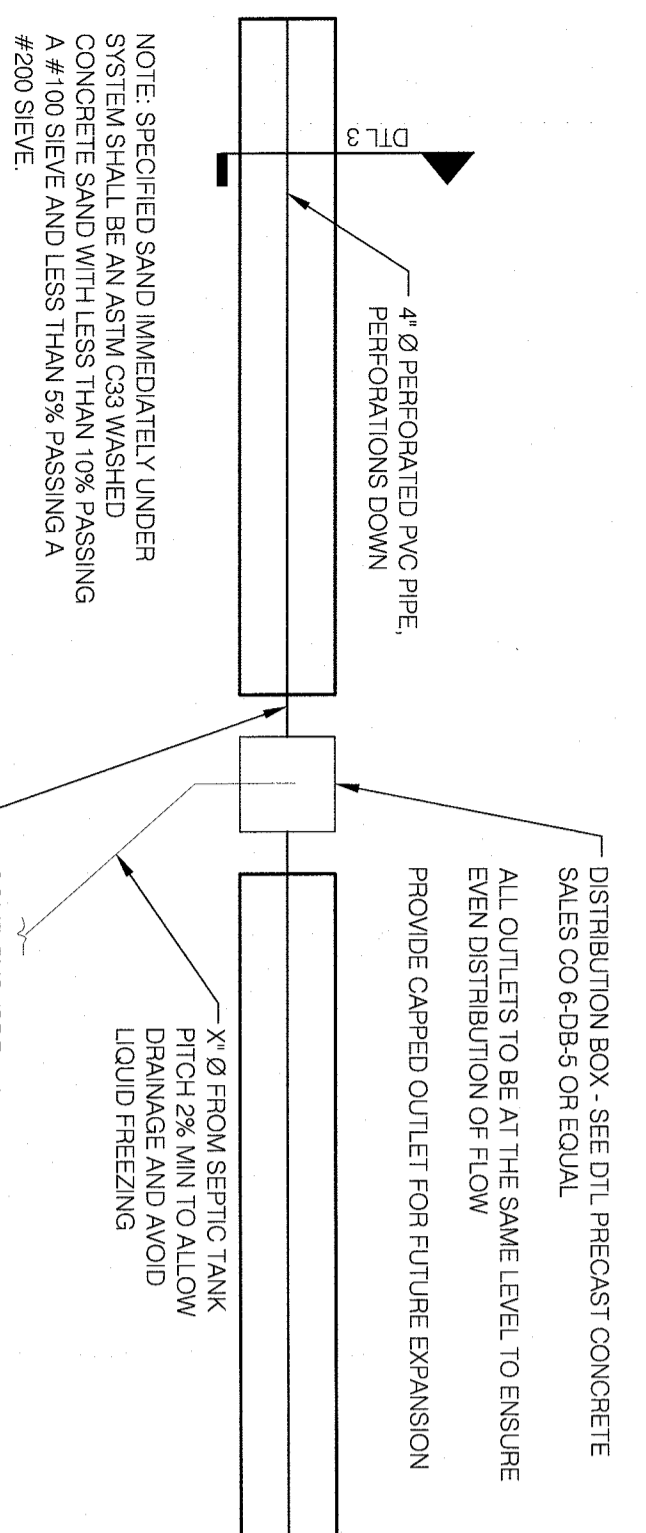


A SITE PLAN
 SCALE: 1" = 20'-0"

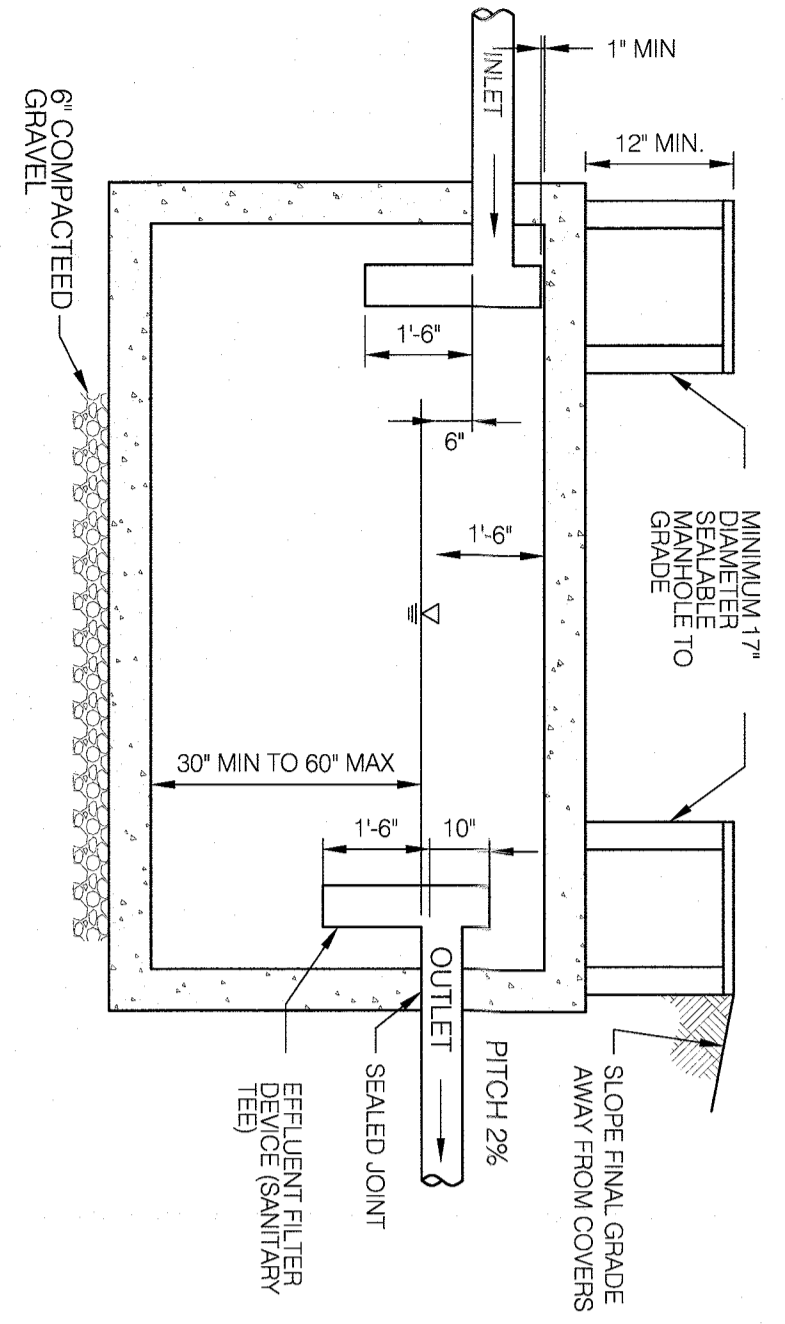
N
 10'-0"
 5'-0"
 15'-0"
 SCALE: 1" = 20'-0"

B SITE PART PLAN
 SCALE: 1" = 10'-0"

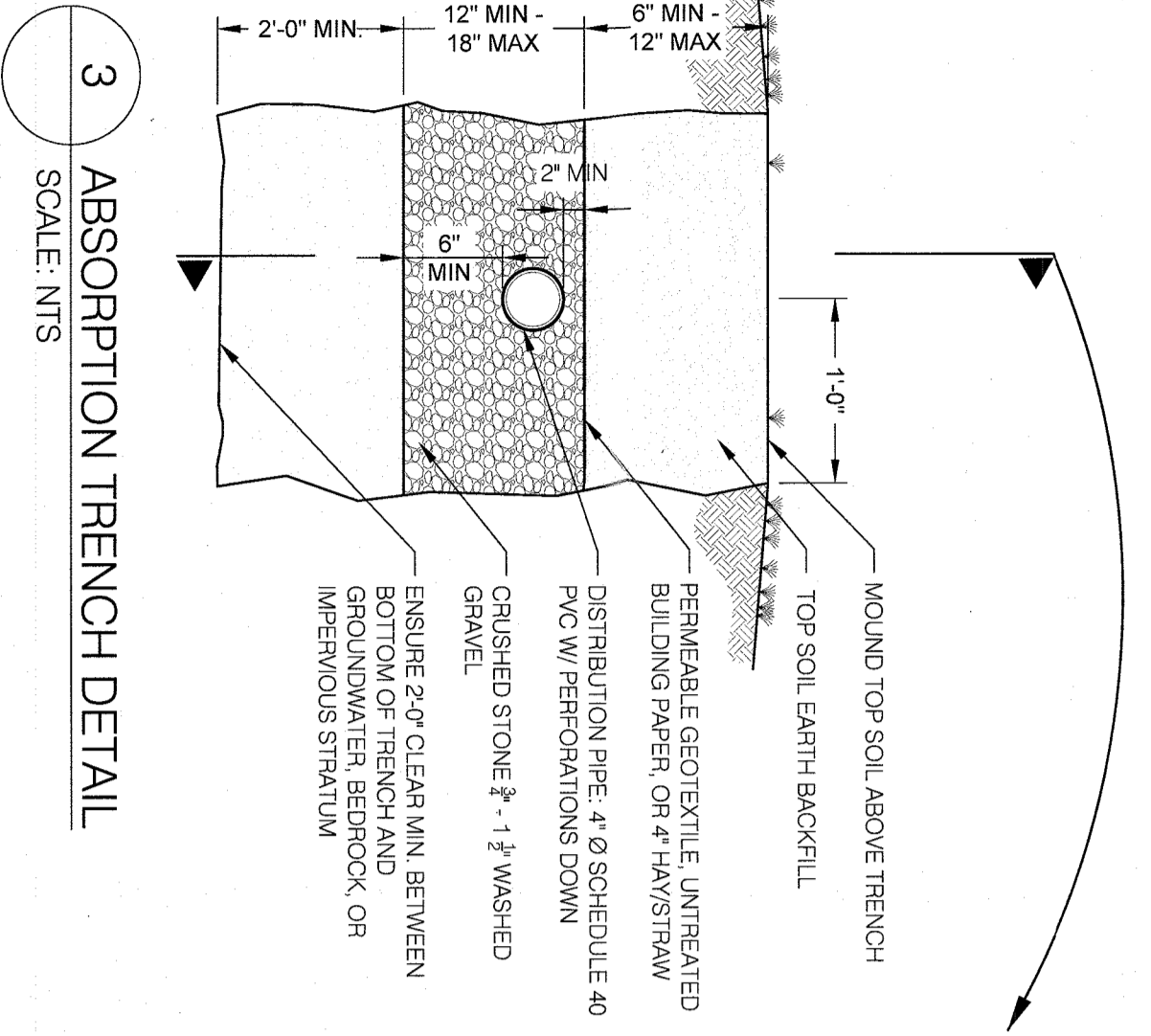
5'-0"
 7'-6"
 10'-0"
 SCALE: 1" = 10'-0"



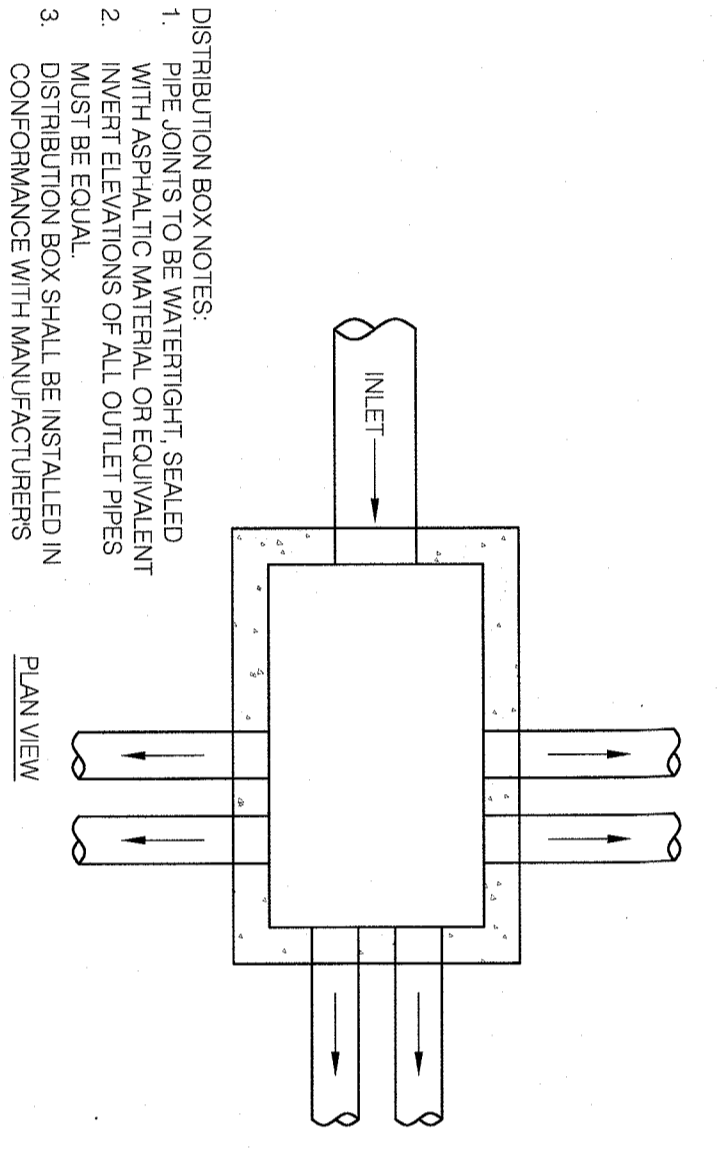
1 TRENCH SYSTEM PLAN
 SCALE: 1/4" = 1'-0"



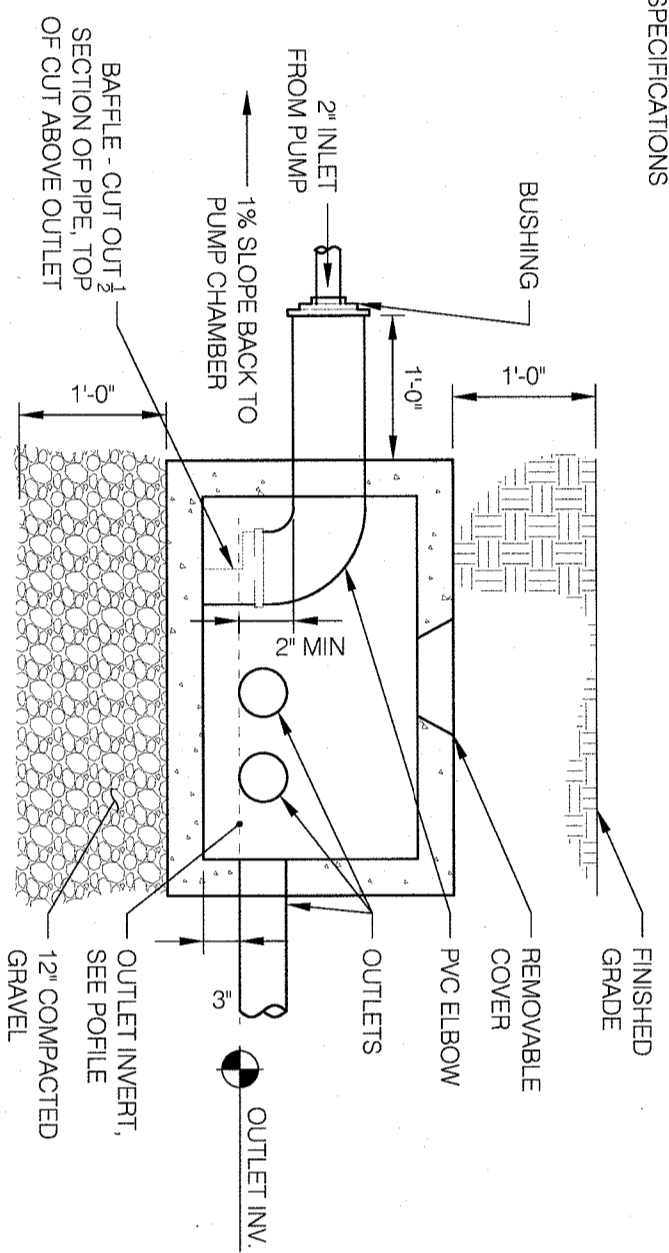
2 TYPICAL SEPTIC TANK SECTION
 SCALE: 3/8" = 1'-0"



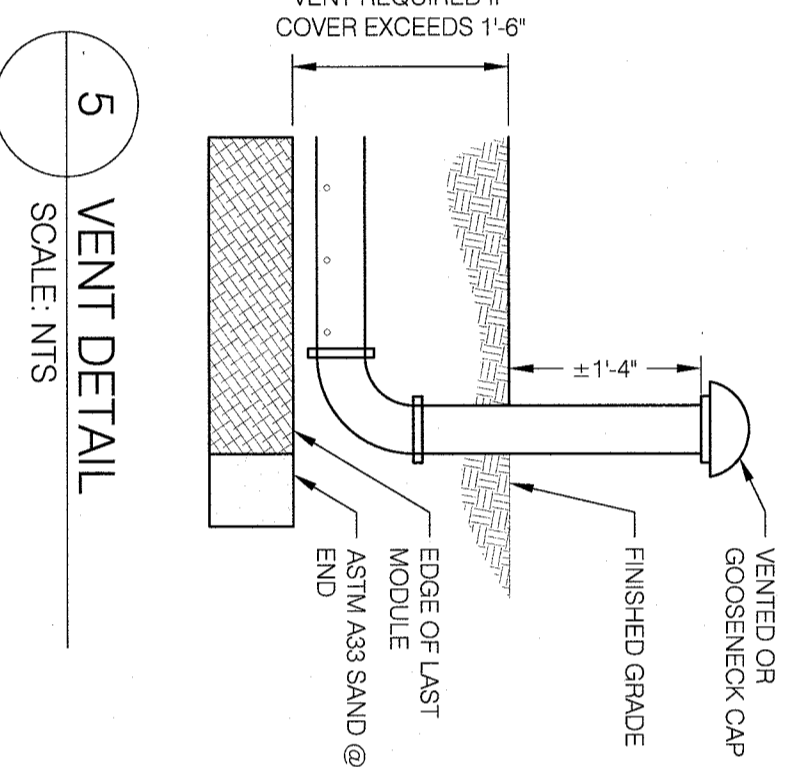
3 ABSORPTION TRENCH DETAIL
 SCALE: NTS



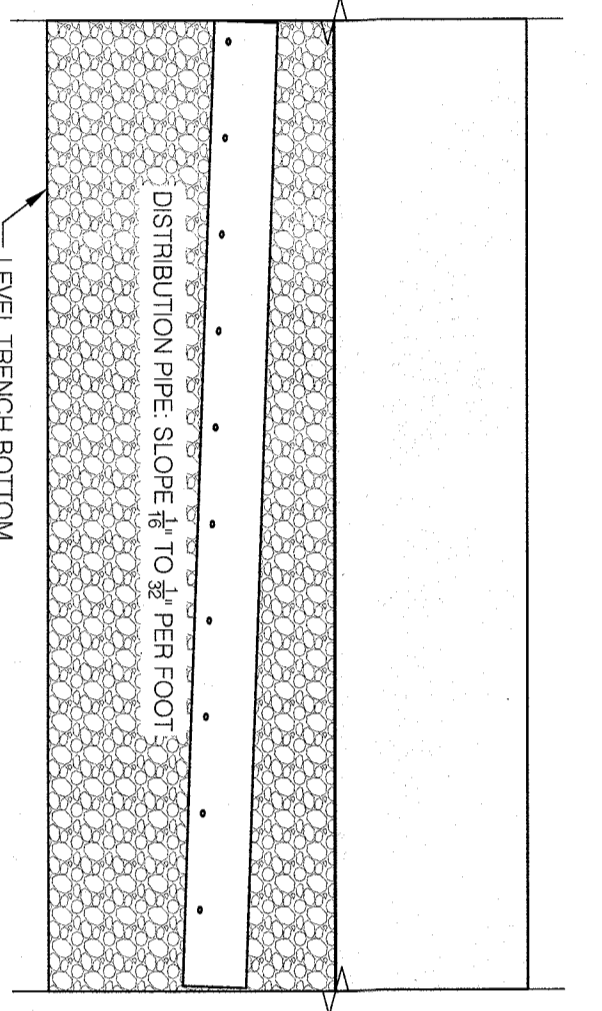
DISTRIBUTION BOX NOTES:
 1. ALL CONNECTIONS TIGHT, SEALED WITH ASPHALTIC MATERIAL OR EQUIVALENT
 2. INVERT ELEVATIONS OF ALL OUTLET PIPES MUST BE EQUAL
 3. DISTRIBUTION BOX SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS



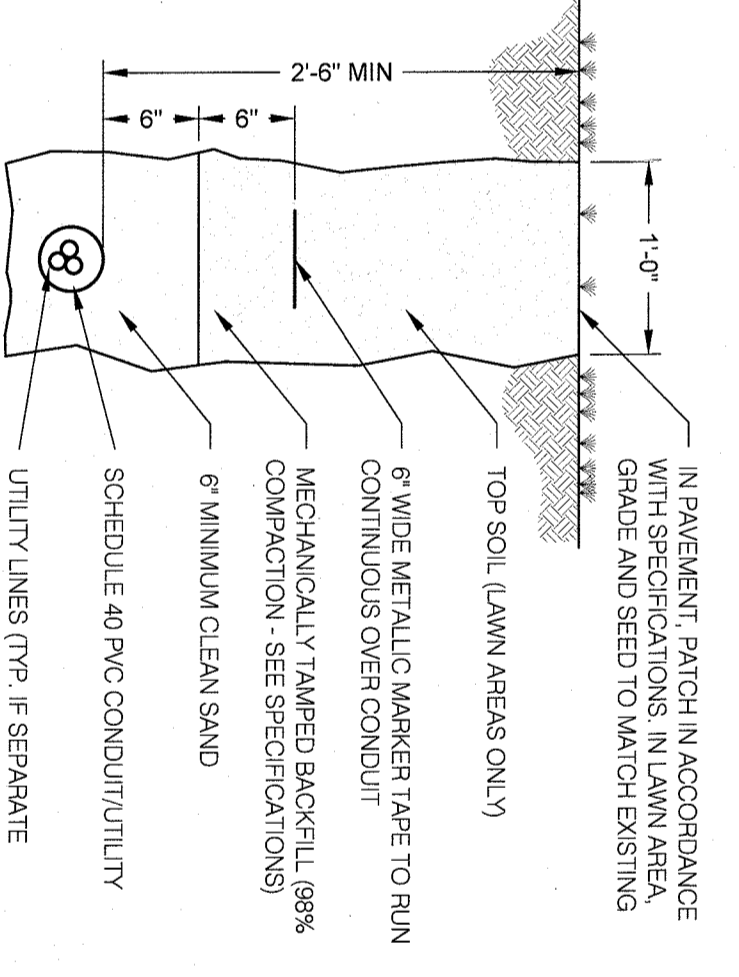
4 DISTRIBUTION BOX
 SCALE: NTS



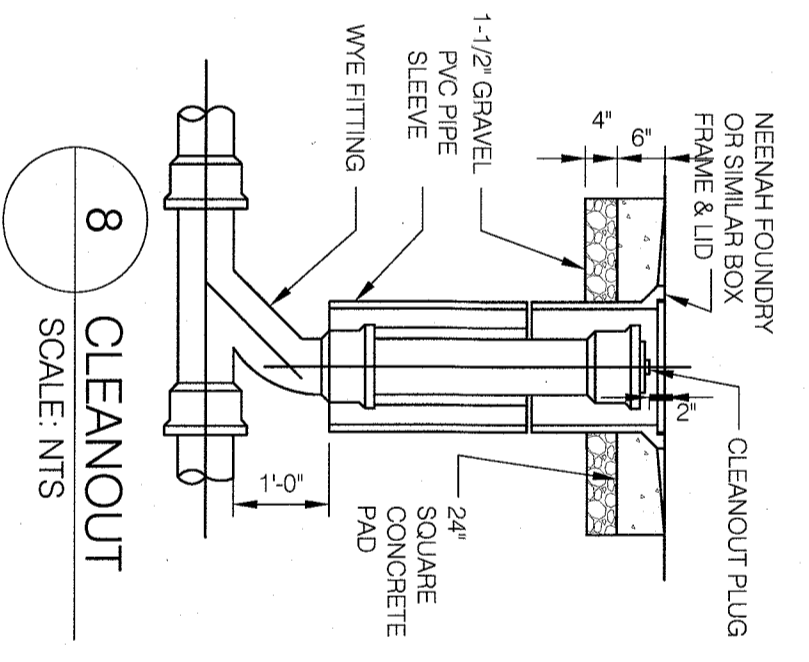
5 VENT DETAIL
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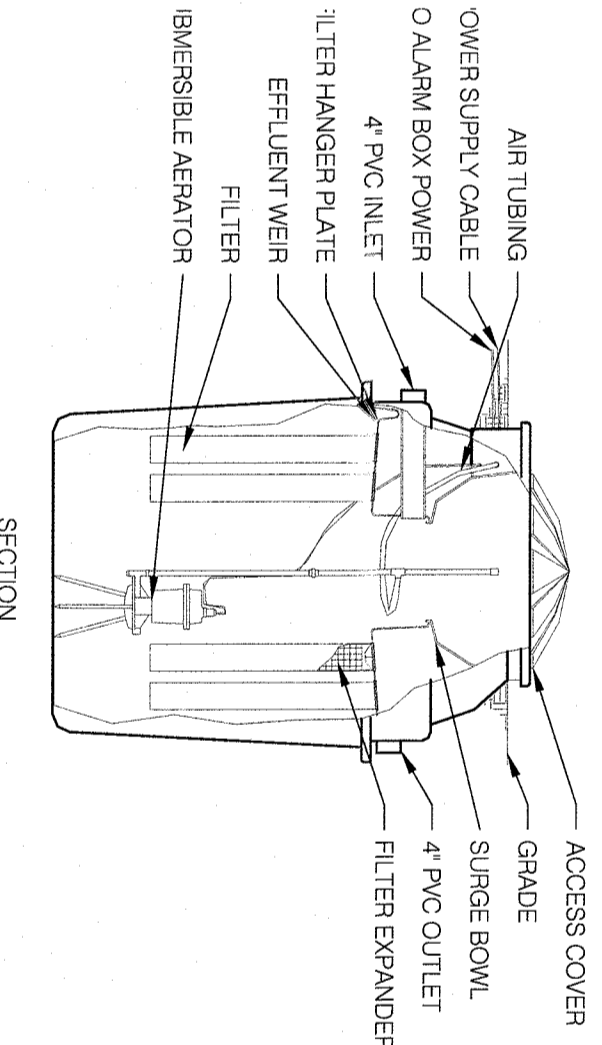
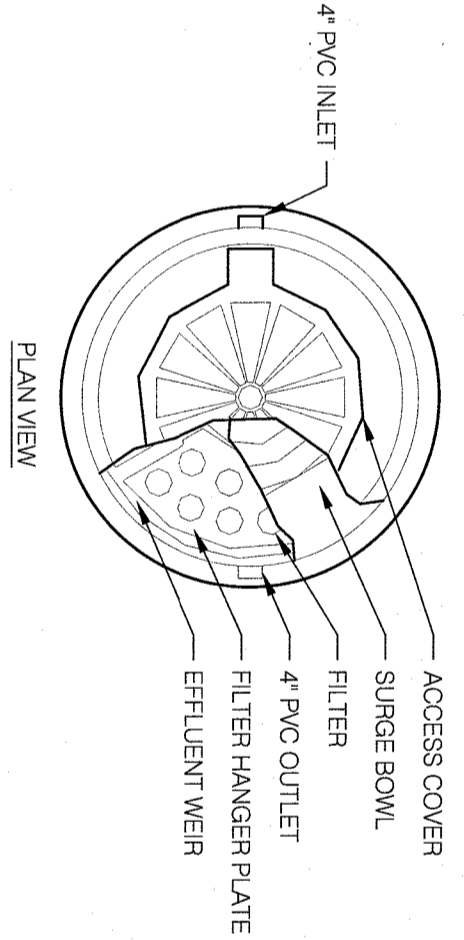
NOTE:
 1. WORK THIS DETAIL IN CONJUNCTION WITH NYS DESIGN HANDBOOK RESIDENTIAL ON-SITE WASTEWATER TREATMENT SYSTEMS FIGURE 17
 2. 4" MIN SEPARATION BETWEEN TRENCHES (6" C-C SPACING)
 3. PERCOLATION RATE - 1-80 MIN/INCH
 4. 1/8" TRANSVERSE SLOPE MAX.



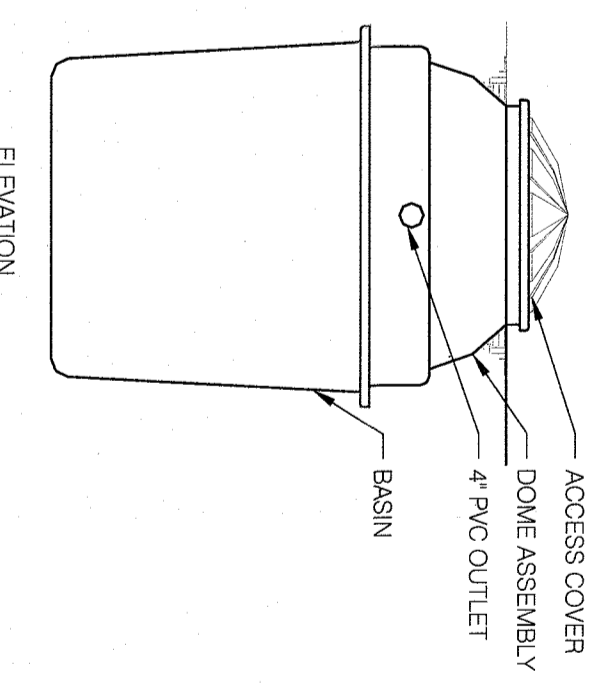
7 TRENCH DETAIL
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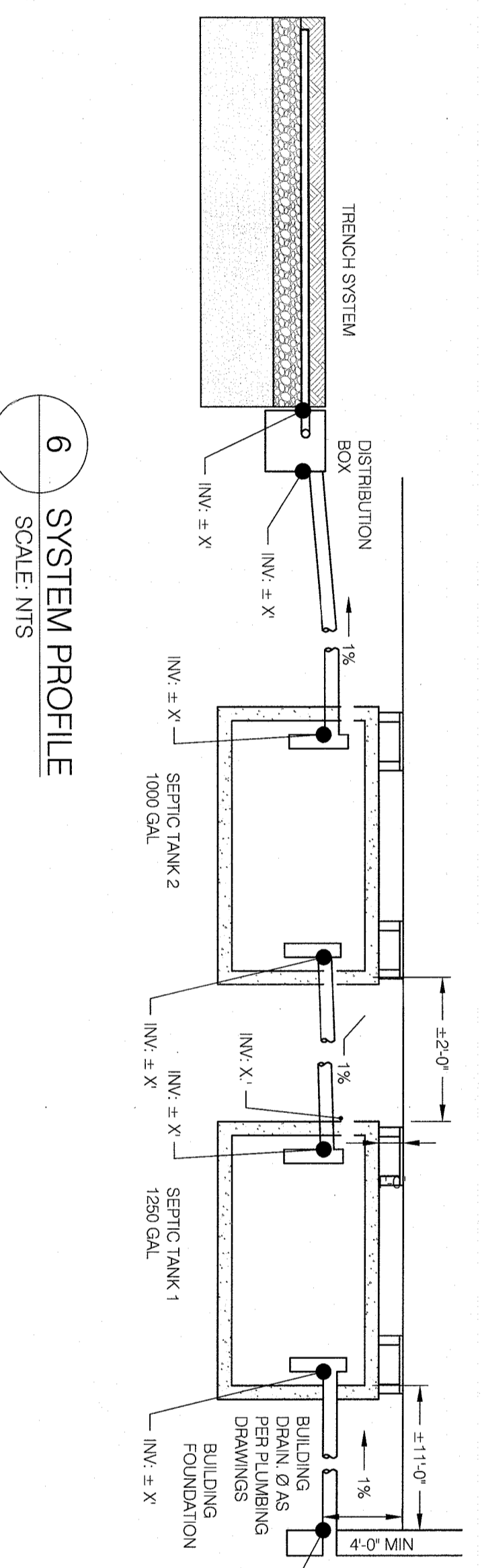
8 CLEANOUT
 SCALE: NTS



9 MULTI-FLO DETAILS
 SCALE: 3/8" = 1'-0"



NOTE:
 MULTI-FLO FFP-0.5 BY CONSOLIDATED TREATMENT SYSTEMS, INC. 1 937 748 2727 WWW.MULTI-FLO.COM

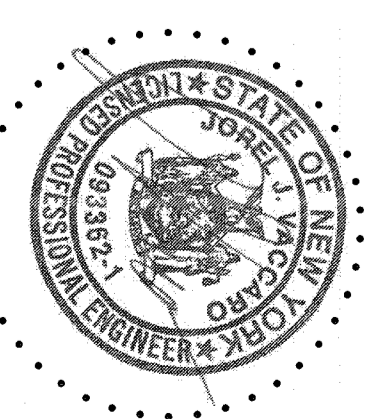


6 SYSTEM PROFILE
 SCALE: NTS

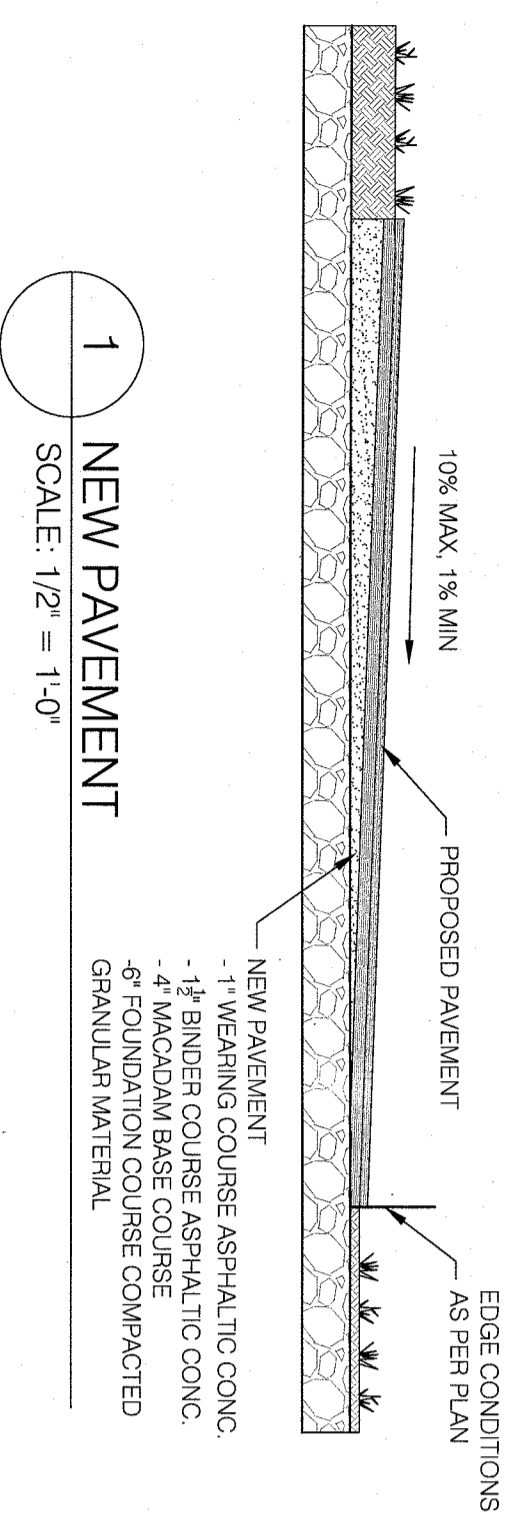
REVISIONS:

PROJECT:
 11 TWEEED BLVD.
 UPPER GRANDVIEW, NY

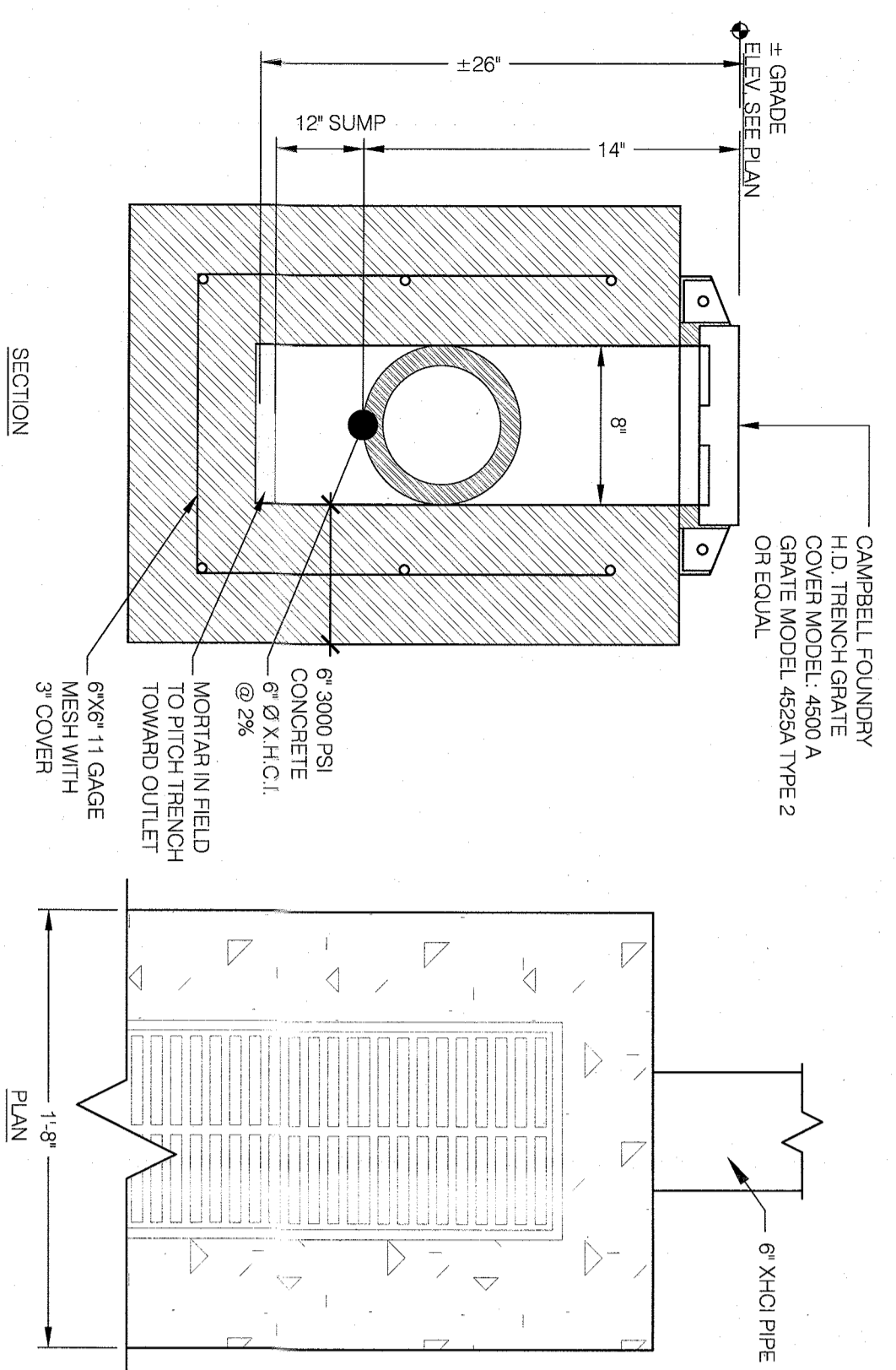
SEAL & SIGNATURE:



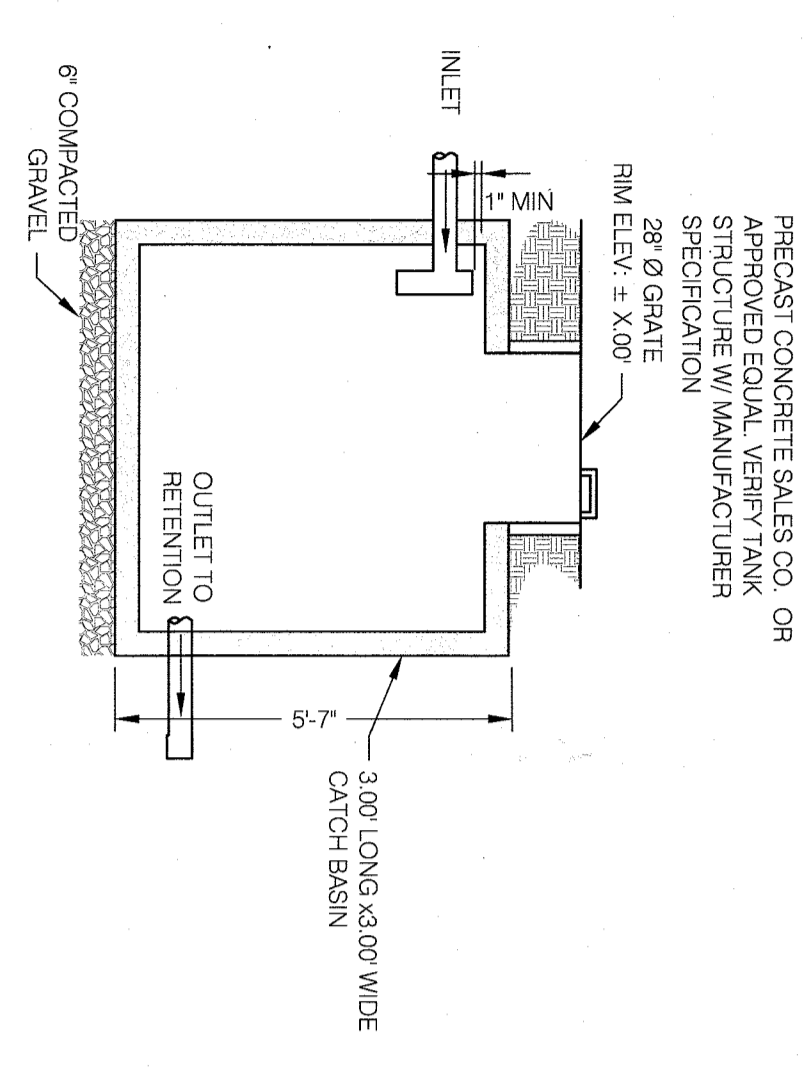
JORGE L. VACCARO, PE
 NY PE 093387
 DATE: 5/24/2021
 PROJECT #: 2007
 DRAWN/CHECKED: JUV
 SCALE: NOTED
 PAGE: 03 OF 06



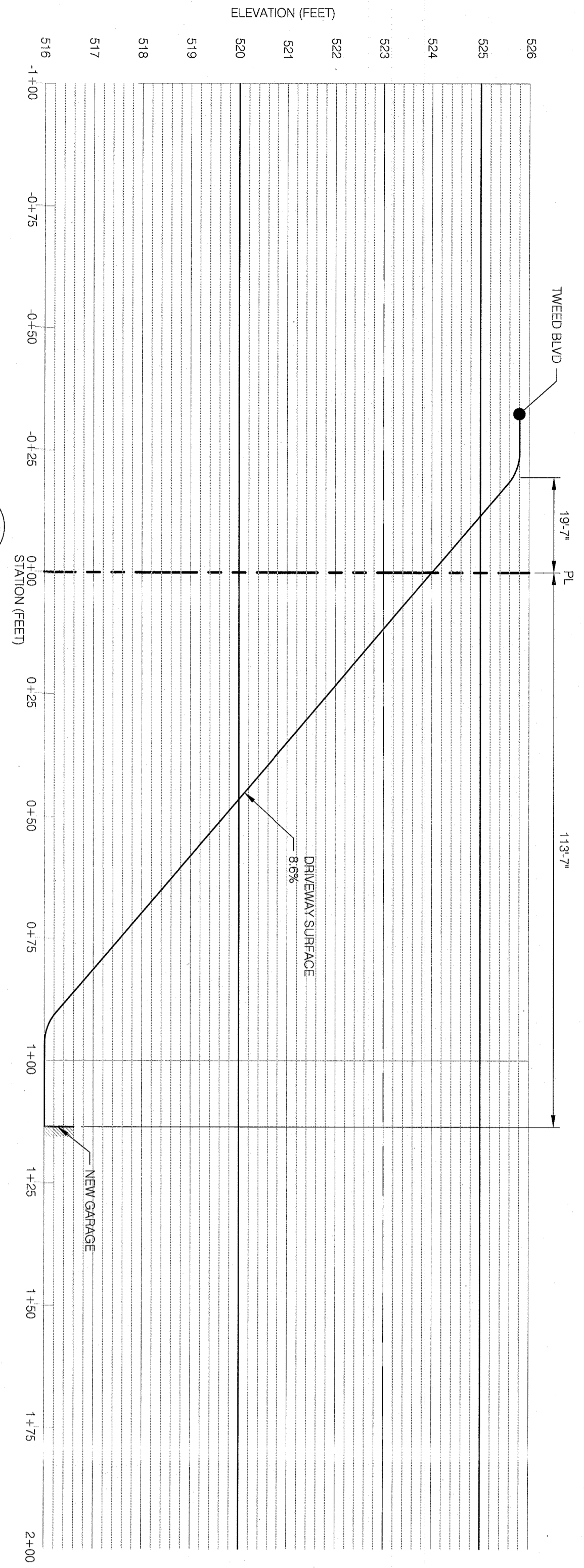
1 NEW PAVEMENT
SCALE: 1/2" = 1'-0"



2 TRENCH DRAIN
SCALE: NTS



3 TYP. CATCH BASIN
SCALE: 3/8" = 1'-0"



4 DRIVEWAY PROFILE
SCALE: 1" = 20'-0"

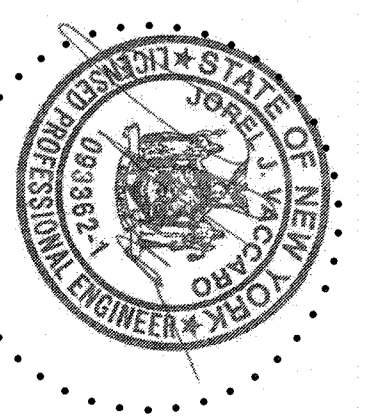
TREE REMOVAL / PROTECTION LIST		
NO.	DIAMETER	SPECIES
T1	12"	LICOKORY
T2	14"	CHERRY
T3	12"	ASH
T4	12"	OAK
T5	6"	CHERRY
T6	8"	LICOKORY
T7	6"	CHERRY
T8	18"	OAK
T9	12"	LICOKORY
T10	6"	LICOKORY
T11	8"	CHERRY
T12	12"	LICOKORY
T13	6"	CHERRY
T14	18"	OAK
T15	6"	CHERRY
T16	8"	LICOKORY
T17	8"	LICOKORY
T18	6"	LICOKORY
T19	12"	OAK
T20	8"	LICOKORY
T21	14"	LICOKORY
T22	12"	MAPLE
T23	40"	OAK
T24	10"	MAPLE
T25	10"	MAPLE
T26	36"	OAK
T27	6"	LICOKORY
T28	24"	OAK
T29	30"	OAK
T30	8"	LICOKORY
T31	16"	OAK
T32	10"	CHERRY
T33	16"	OAK
T34	12"	LICOKORY
T35	10"	OAK
T36	24"	OAK
T37	16"	MAPLE
T38	8"	OAK
T39	8"	BA35WOOD
T40	16"	OAK
T41	12"	BA35WOOD
T42	14"	ELM
T43	12"	LICOKORY
T44	18"	TWIN CHERRY
T45	8"	LICOKORY
T46	18"	LICOKORY
T47	8"	OAK
T48	12"	CHERRY

NOTE: ALL TREES LISTED ARE TO BE REMOVED OTHER THAN THOSE NOTED TO REMAIN. REMAINING TREES TO BE PROTECTED

REVISIONS:

PROJECT:
11 TWEED BLVD.
UPPER GRANDVIEW, NY

STORMWATER
DETAILS



JOSEPH J. VACCARO, PE
NY PE 189387
DATE: 5/24/2021
PROJECT #: 20001
DRAWN/CHECKED: AJV
SCALE: NOTED
PAGE: 04 OF 06

CULTEC RECHARGER 330XLHD PRODUCT SPECIFICATIONS

GENERAL
 RECHARGERS 330XLHD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORAGE TANK MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORAGE WATER RUNOFF.

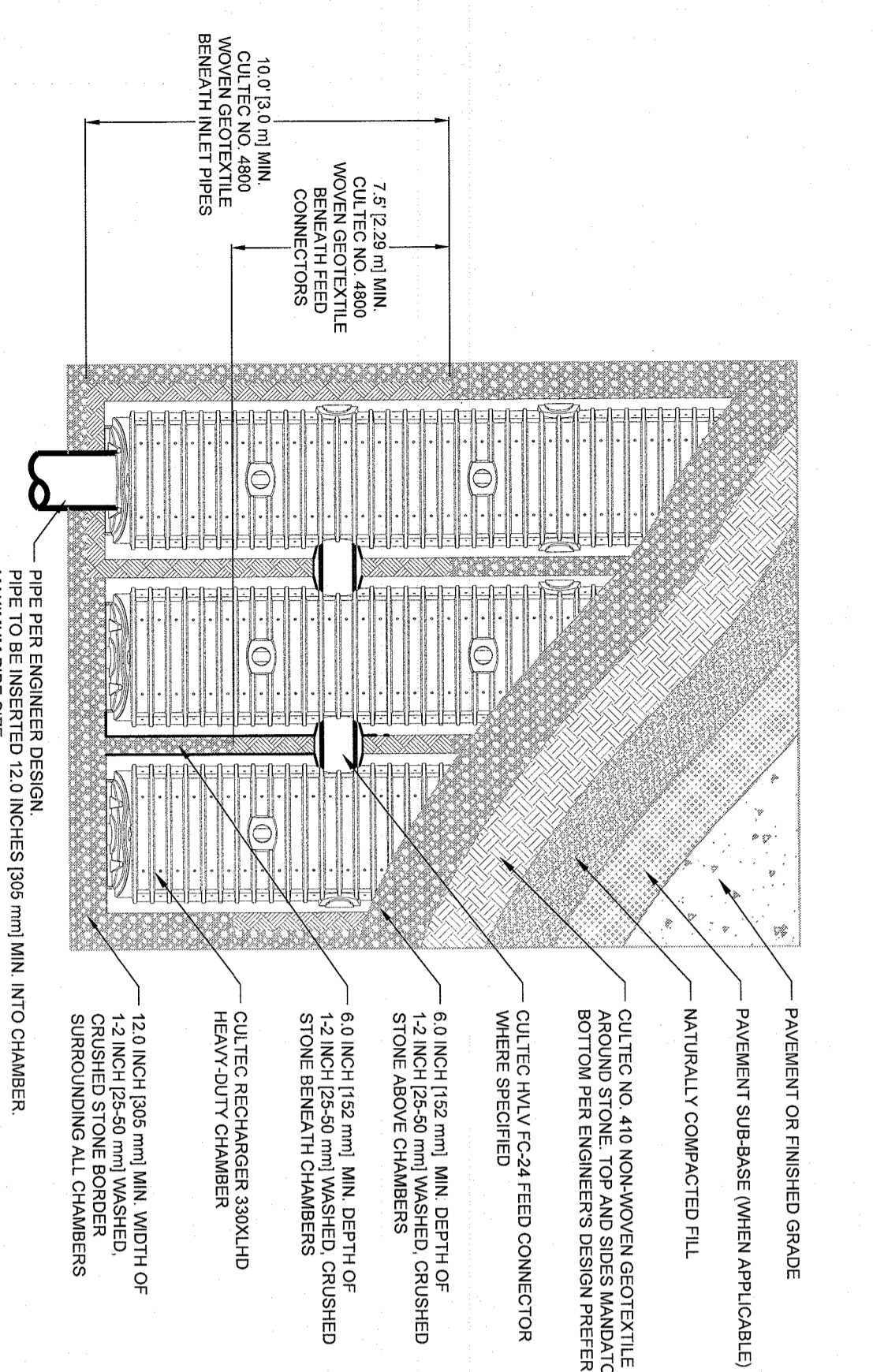
- CHAMBER PARAMETERS**
1. THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, INC. OR BROOKFIELD, CT, USA. (203-775-4470 OR 1-800-453-9323)
 2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HDPE) WITH A MINIMUM TENSILE STRENGTH OF 5000 PSI AT 23°C.
 3. THE CHAMBER SHALL BE ARCHED IN SHAPE.
 4. THE CHAMBER SHALL BE OPEN BOTTOMED.
 5. THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RISERS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
 6. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 330XLHD SHALL BE 30 INCHES (775 mm) TALL, 52 INCHES (1321 mm) WIDE AND 3 FEET (914 mm) DEEP. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 330XLHD SHALL BE 3 FEET (914 mm) TALL, 52 INCHES (1321 mm) WIDE AND 24 INCHES (610 mm) DEEP.
 7. MAXIMUM INLET OPENING ON THE CHAMBER ENDWALL IS 24 INCHES (610 mm) HOPE.
 8. THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC FC-24 FEED CONNECTORS. THE NOMINAL DIMENSIONS OF EACH SIDE PORTAL SHALL BE 10.3 INCHES (262 mm) HIGH BY 11.5 INCHES (292 mm) WIDE. MAXIMUM ALLOWABLE OUTER DIAMETER (O.D.) PIPE SIZE IN THE SIDE PORTAL IS 11.75 INCHES (298 mm).
 9. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC FC-24 FEED CONNECTOR SHALL BE 10.3 INCHES (262 mm) TALL, 16 INCHES (406 mm) WIDE AND 24 INCHES (610 mm) DEEP.
 10. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 330XLHD SHALL BE 677.1 GALLONS (2567 LITERS). THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 330XLHD SHALL BE 2213 FT³ (UNIT 1.478 m³/UNIT) - WITHOUT STONE.
 11. THE NOMINAL STORAGE VOLUME OF THE HALV-FC24 FEED CONNECTOR SHALL BE 0.913 FT³ (UNIT 0.026 m³) - WITHOUT STONE.
 12. THE RECHARGER 330XLHD CHAMBER SHALL HAVE FIFTY-SIX DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNITS' CORE TO PROMOTE LATERAL CONVEYANCE OF WATER.
 13. THE RECHARGER 330XLHD CHAMBER SHALL HAVE 16 CORRUPTIONS.
 14. THE ENDWALL OF THE CHAMBER WHEN PRESENT SHALL BE AN INTEGRAL PART OF THE CHAMBER. THE RECHARGER 330XLHD CHAMBER SHALL NOT BE USED WITH THIS UNIT.
 15. THE RECHARGER 330XLHD STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL ENDWALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
 16. THE RECHARGER 330XLHD STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 14 INCHES (356 mm) HIGH X 34.3 INCHES (873 mm) WIDE.
 17. THE RECHARGER 330XLHD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 14 INCHES (356 mm) HIGH X 34.3 INCHES (873 mm) WIDE.
 18. THE RECHARGER 330XLHD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE FULLY OPEN END WALL AND HAVING NO SEPARATE END PLATES OR END WALLS.
 19. THE HALV-FC24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE RECHARGER 330XLHD AND ACT AS CROSS FEED CONNECTIONS.
 20. CHAMBERS MUST HAVE HORIZONTAL STIFFENING RIB REDUCTION STEPS BETWEEN THE RIBS.
 21. THE CHAMBER SHALL HAVE A 1/4" (6.35 mm) DIAMETER GRADE INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEAN-OUT.
 22. THE UNITS MAY BE FRAMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUPTION.
 23. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.
 24. MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12 FEET (3.66 m).
 25. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS IN ACCORDANCE WITH THE RECHARGER 330XLHD AND ACT AS CROSS FEED CONNECTIONS.

- CULTEC HALV-FC24 FEED CONNECTOR PRODUCT SPECIFICATIONS**
- CULTEC HALV-FC24 FEED CONNECTORS ARE DESIGNED TO ACCEPT AN INTERNAL MANIFOLD FOR CULTEC RECHARGER 330XLHD STAND ALONE CHAMBERS.
- CHAMBER PARAMETERS**
1. THE CHAMBER SHALL BE MANUFACTURED BY CULTEC, INC. OR BROOKFIELD, CT, USA. (203-775-4470 OR 1-800-453-9323)
 2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HDPE) WITH A MINIMUM TENSILE STRENGTH OF 5000 PSI AT 23°C.
 3. THE CHAMBER SHALL BE ARCHED IN SHAPE.
 4. THE CHAMBER SHALL BE OPEN BOTTOMED.
 5. THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RISERS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
 6. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 330XLHD SHALL BE 30 INCHES (775 mm) TALL, 52 INCHES (1321 mm) WIDE AND 3 FEET (914 mm) DEEP. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 330XLHD SHALL BE 3 FEET (914 mm) TALL, 52 INCHES (1321 mm) WIDE AND 24 INCHES (610 mm) DEEP.
 7. THE HALV-FC24 FEED CONNECTOR CHAMBER SHALL HAVE CORRUPTIONS.
 8. THE HALV-FC24 FEED CONNECTOR SHALL BE FORMED AS A WHOLE CHAMBER HAVING TWO END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE RECHARGER 330XLHD AND ACT AS CROSS FEED CONNECTIONS.
 9. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS IN ACCORDANCE WITH THE RECHARGER 330XLHD AND ACT AS CROSS FEED CONNECTIONS.
- CULTEC NO. 410* NON-WOVEN GEOTEXTILE**
- CULTEC NO. 410* NON-WOVEN GEOTEXTILE MAY BE USED WITH CULTEC RECHARGER 330XLHD CHAMBERS. THE GEOTEXTILE SHALL BE PROVIDED BY THE USER. PROVIDE A BARBER THAT PREVENTS SOIL INTRUSION INTO THE STONE.
- GEOTEXTILE PARAMETERS**
1. THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OR BROOKFIELD, CT, USA. (203-775-4470 OR 1-800-453-9323)
 2. THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.
 3. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 4.5 OZ/SY (142 G/M).
 4. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH VALUE OF 120 LBS (533 N) PER ASTM D632 TESTING METHOD.
 5. THE GEOTEXTILE SHALL HAVE AN ELONGATION @ BREAK VALUE OF 25% (1.51 IN) PER ASTM D3766 TESTING METHOD.
 6. THE GEOTEXTILE SHALL HAVE A PUNCTURE STRENGTH VALUE OF 65 LBS (293 N) PER ASTM D633 TESTING METHOD.
 7. THE GEOTEXTILE SHALL HAVE A RIGIDITY VALUE OF 340 LBS (1523 N) PER ASTM D632 TESTING METHOD.
 8. THE GEOTEXTILE SHALL HAVE A PERMEABILITY VALUE OF 50 LBS (227 N) PER ASTM D632 TESTING METHOD.
 9. THE GEOTEXTILE SHALL HAVE A PERMEABILITY VALUE OF 50 LBS (227 N) PER ASTM D632 TESTING METHOD.
 10. THE GEOTEXTILE SHALL HAVE A PERMEABILITY VALUE OF 50 LBS (227 N) PER ASTM D632 TESTING METHOD.
 11. THE GEOTEXTILE SHALL HAVE A PERMEABILITY VALUE OF 1.7 SEC-1 PER ASTM D6491 TESTING METHOD.
 12. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 1.5 PER ASTM D6491 TESTING METHOD.
 13. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 1.5 PER ASTM D6491 TESTING METHOD.
 14. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 1.5 PER ASTM D6491 TESTING METHOD.

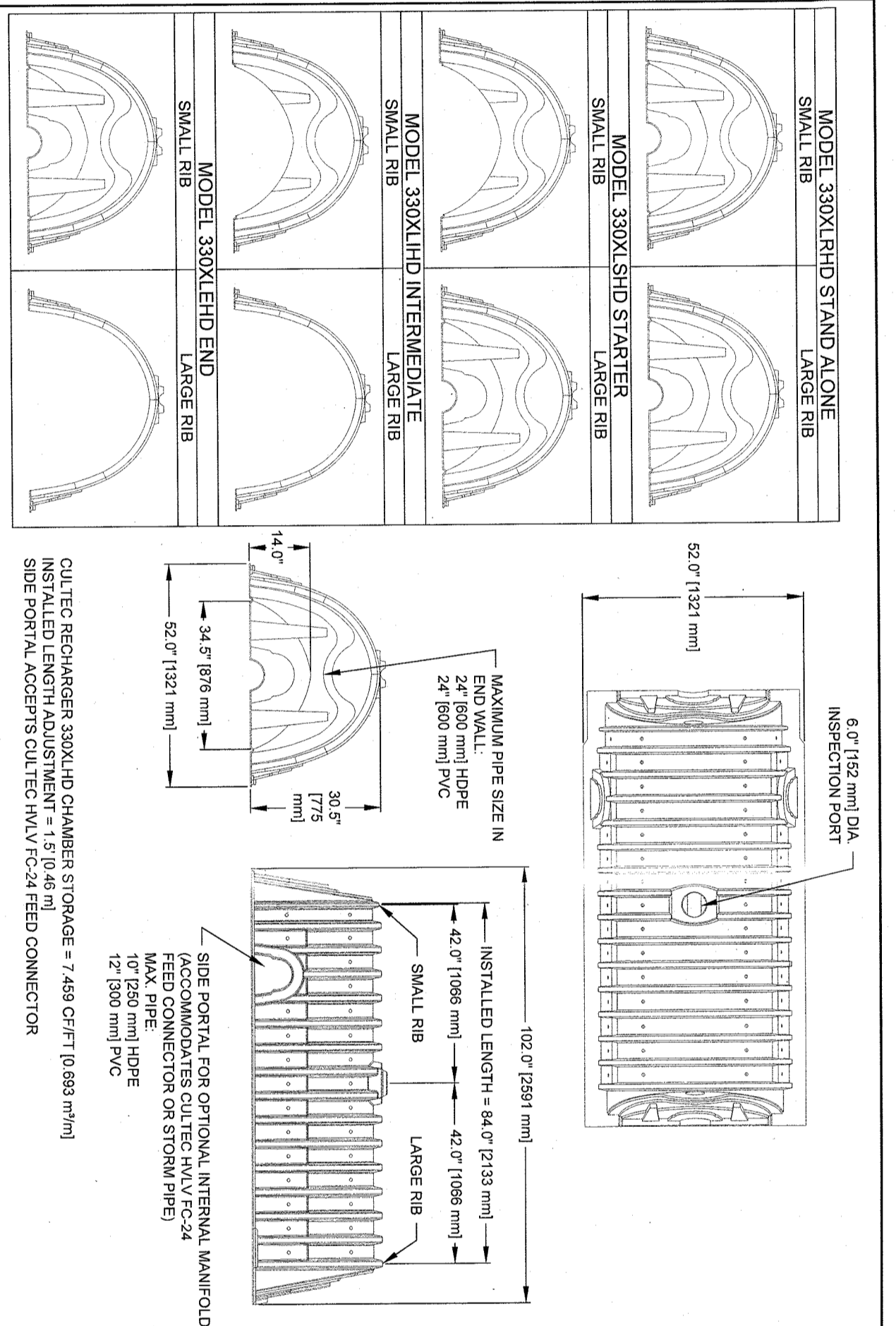
- CULTEC NO. 4800* WOMEN GEOTEXTILE**
- CULTEC NO. 4800* WOMEN GEOTEXTILE IS DESIGNED AS A UNDERLAYMENT TO PREVENT SCOURING CAUSED BY WATER MOVEMENT WITHIN THE CULTEC RECHARGER 330XLHD CHAMBERS. THE GEOTEXTILE SHALL BE PROVIDED BY THE USER. PROVIDE A BARBER TO PREVENT SOIL/CONCRETE INTRUSION INTO THE STONE.
- GEOTEXTILE PARAMETERS**
1. THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OR BROOKFIELD, CT, USA. (203-775-4470 OR 1-800-453-9323)
 2. THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.
 3. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 550 X 550 LBS (2,448 X 2,448 N) PER ASTM D632 TESTING METHOD.
 4. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 20 X 20 X 5.070 LBS/FT (74 X 74 X 24 N/M) PER ASTM D632 TESTING METHOD.
 5. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 2% (14 X 16 N/M) PER ASTM D632 TESTING METHOD.
 6. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 3% (21 X 18 N/M) PER ASTM D632 TESTING METHOD.
 7. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 3% (21 X 18 N/M) PER ASTM D632 TESTING METHOD.
 8. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 3% (21 X 18 N/M) PER ASTM D632 TESTING METHOD.
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 13. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 3% (21 X 18 N/M) PER ASTM D632 TESTING METHOD.
 14. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 3% (21 X 18 N/M) PER ASTM D632 TESTING METHOD.

GENERAL NOTES

1. THE CHAMBER SHALL BE MANUFACTURED BY CULTEC, INC. OR BROOKFIELD, CT, USA. (203-775-4470 OR 1-800-453-9323)
2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HDPE) WITH A MINIMUM TENSILE STRENGTH OF 5000 PSI AT 23°C.
3. THE CHAMBER SHALL BE ARCHED IN SHAPE.
4. THE CHAMBER SHALL BE OPEN BOTTOMED.
5. THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RISERS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
6. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 330XLHD SHALL BE 30 INCHES (775 mm) TALL, 52 INCHES (1321 mm) WIDE AND 3 FEET (914 mm) DEEP. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 330XLHD SHALL BE 3 FEET (914 mm) TALL, 52 INCHES (1321 mm) WIDE AND 24 INCHES (610 mm) DEEP.
7. MAXIMUM INLET OPENING ON THE CHAMBER ENDWALL IS 24 INCHES (610 mm) HOPE.
8. THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC FC-24 FEED CONNECTORS. THE NOMINAL DIMENSIONS OF EACH SIDE PORTAL SHALL BE 10.3 INCHES (262 mm) HIGH BY 11.5 INCHES (292 mm) WIDE. MAXIMUM ALLOWABLE OUTER DIAMETER (O.D.) PIPE SIZE IN THE SIDE PORTAL IS 11.75 INCHES (298 mm).
9. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC FC-24 FEED CONNECTOR SHALL BE 10.3 INCHES (262 mm) TALL, 16 INCHES (406 mm) WIDE AND 24 INCHES (610 mm) DEEP.
10. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 330XLHD SHALL BE 677.1 GALLONS (2567 LITERS). THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 330XLHD SHALL BE 2213 FT³ (UNIT 1.478 m³/UNIT) - WITHOUT STONE.
11. THE NOMINAL STORAGE VOLUME OF THE HALV-FC24 FEED CONNECTOR SHALL BE 0.913 FT³ (UNIT 0.026 m³) - WITHOUT STONE.
12. THE RECHARGER 330XLHD CHAMBER SHALL HAVE FIFTY-SIX DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNITS' CORE TO PROMOTE LATERAL CONVEYANCE OF WATER.
13. THE RECHARGER 330XLHD CHAMBER SHALL HAVE 16 CORRUPTIONS.
14. THE ENDWALL OF THE CHAMBER WHEN PRESENT SHALL BE AN INTEGRAL PART OF THE CHAMBER. THE RECHARGER 330XLHD CHAMBER SHALL NOT BE USED WITH THIS UNIT.
15. THE RECHARGER 330XLHD STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL ENDWALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
16. THE RECHARGER 330XLHD STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 14 INCHES (356 mm) HIGH X 34.3 INCHES (873 mm) WIDE.
17. THE RECHARGER 330XLHD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 14 INCHES (356 mm) HIGH X 34.3 INCHES (873 mm) WIDE.
18. THE RECHARGER 330XLHD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE FULLY OPEN END WALL AND HAVING NO SEPARATE END PLATES OR END WALLS.
19. THE HALV-FC24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE RECHARGER 330XLHD AND ACT AS CROSS FEED CONNECTIONS.
20. CHAMBERS MUST HAVE HORIZONTAL STIFFENING RIB REDUCTION STEPS BETWEEN THE RIBS.
21. THE CHAMBER SHALL HAVE A 1/4" (6.35 mm) DIAMETER GRADE INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEAN-OUT.
22. THE UNITS MAY BE FRAMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUPTION.
23. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.
24. MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12 FEET (3.66 m).
25. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS IN ACCORDANCE WITH THE RECHARGER 330XLHD AND ACT AS CROSS FEED CONNECTIONS.

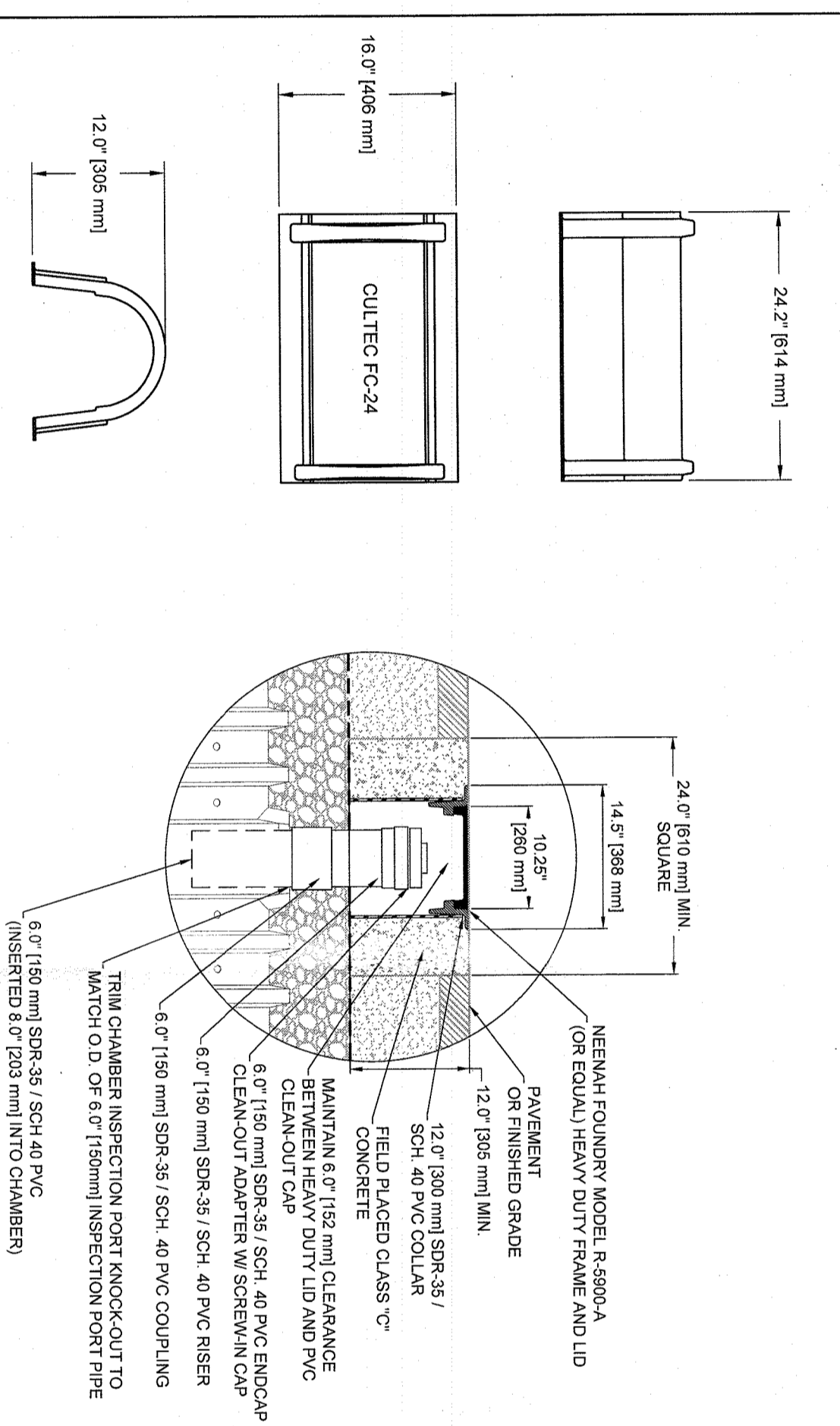


CULTEC RECHARGER 330XLHD HEAVY DUTY PLAN VIEW

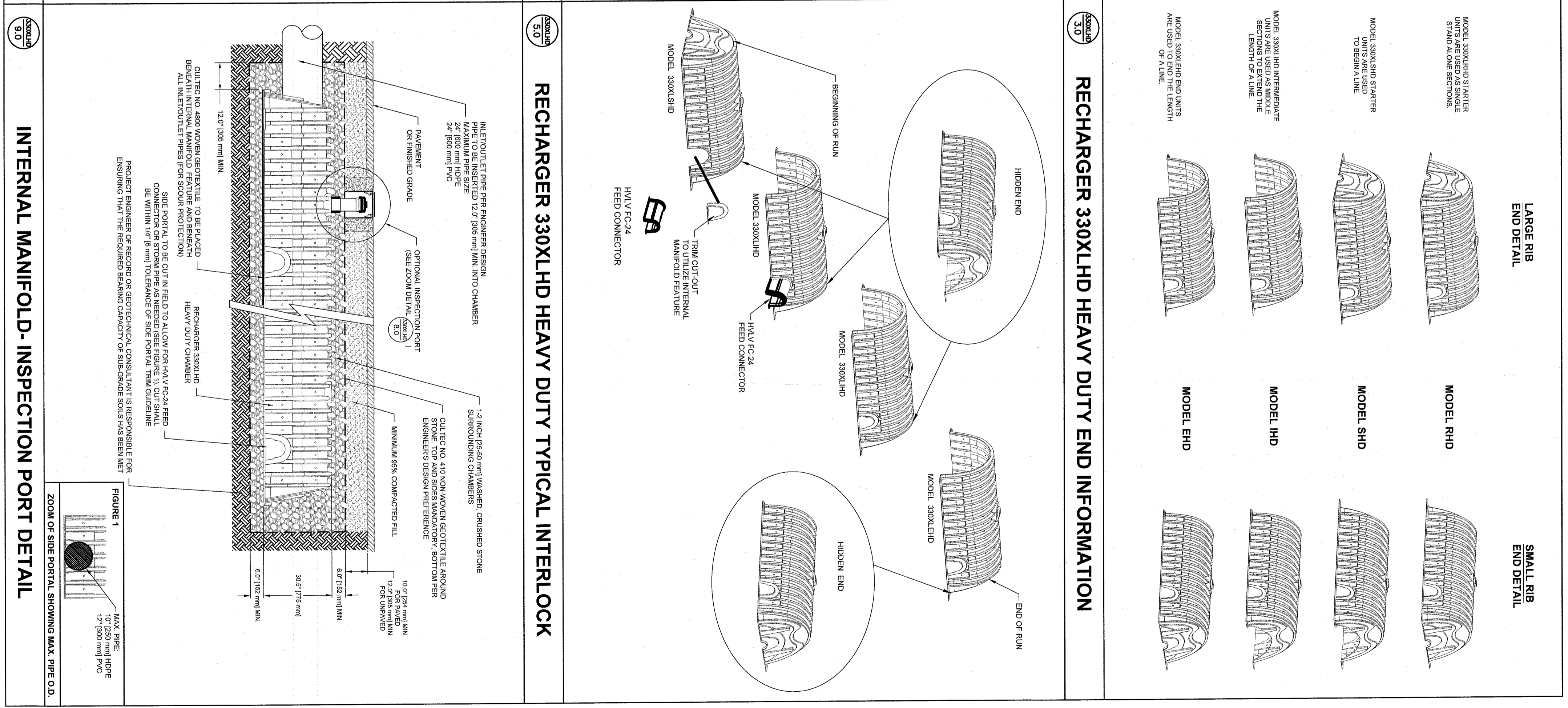


CULTEC RECHARGER 330XLHD HEAVY DUTY THREE VIEW

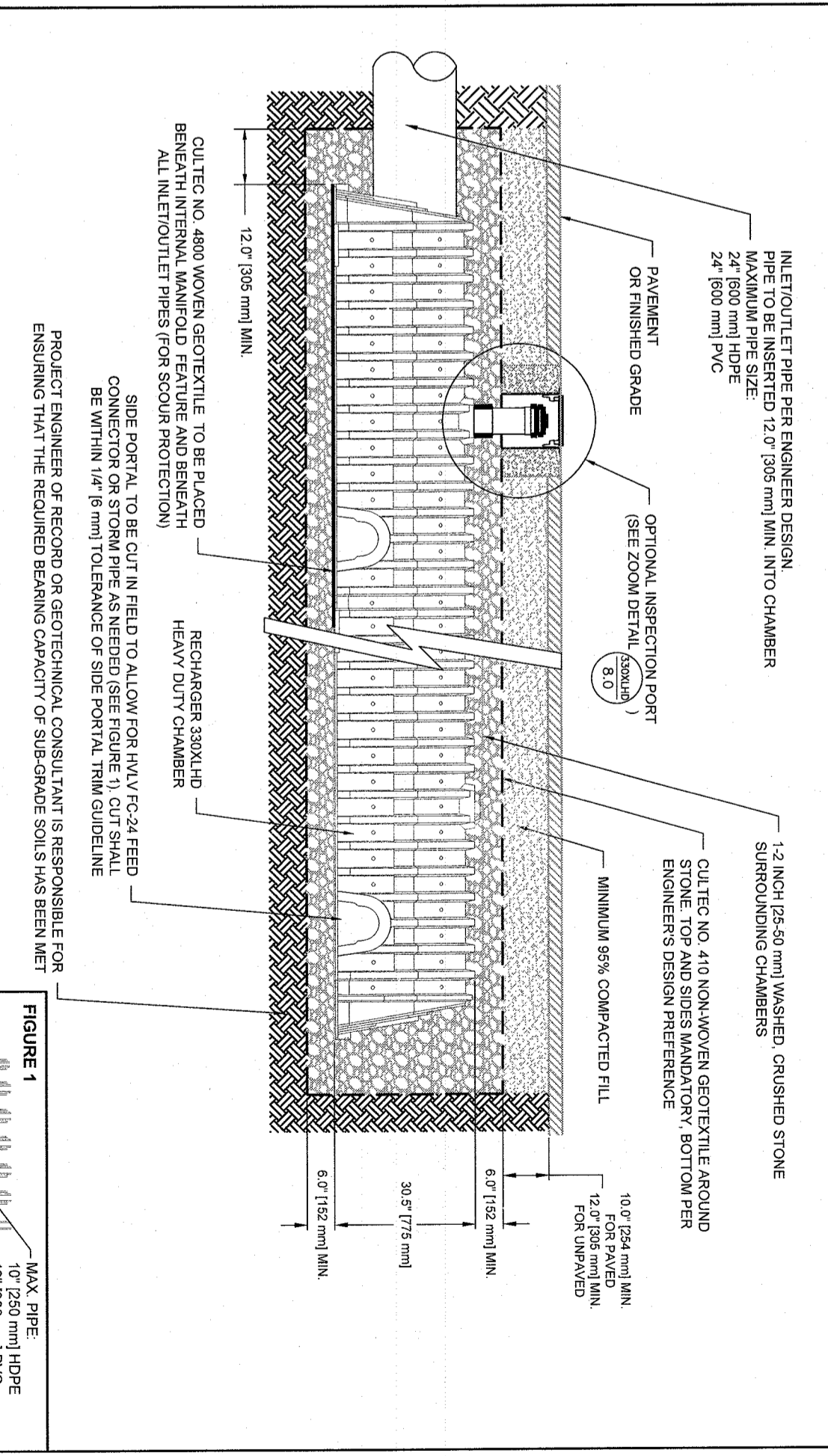
CULTEC RECHARGER 330XLHD HEAVY DUTY CROSS SECTION



CULTEC HALV-FC-24 FEED CONNECTOR THREE VIEW INSPECTION PORT - ZOOM DETAIL



RECHARGER 330XLHD HEAVY DUTY TYPICAL INTERLOCK



INTERNAL MANIFOLD - INSPECTION PORT DETAIL

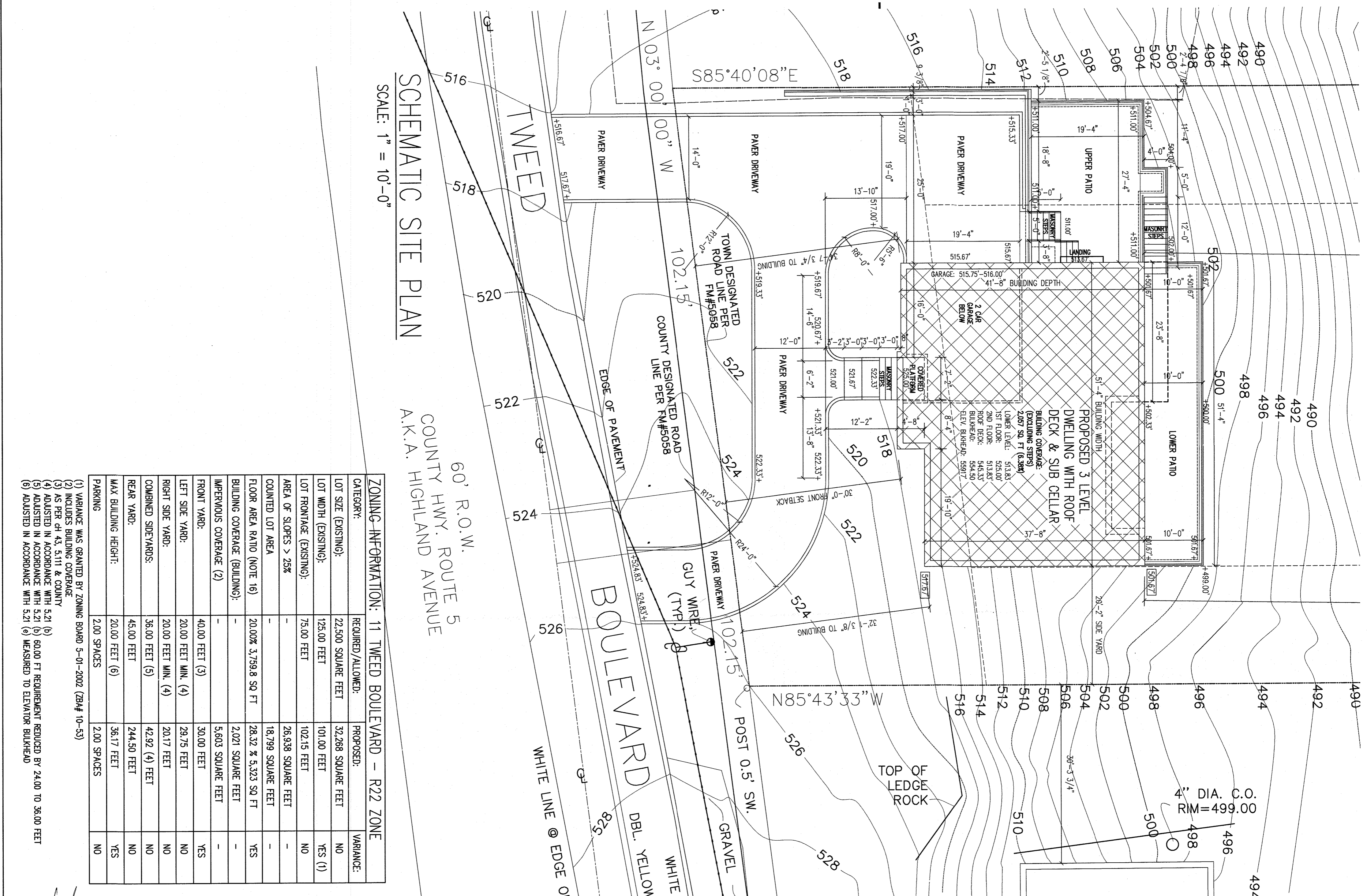
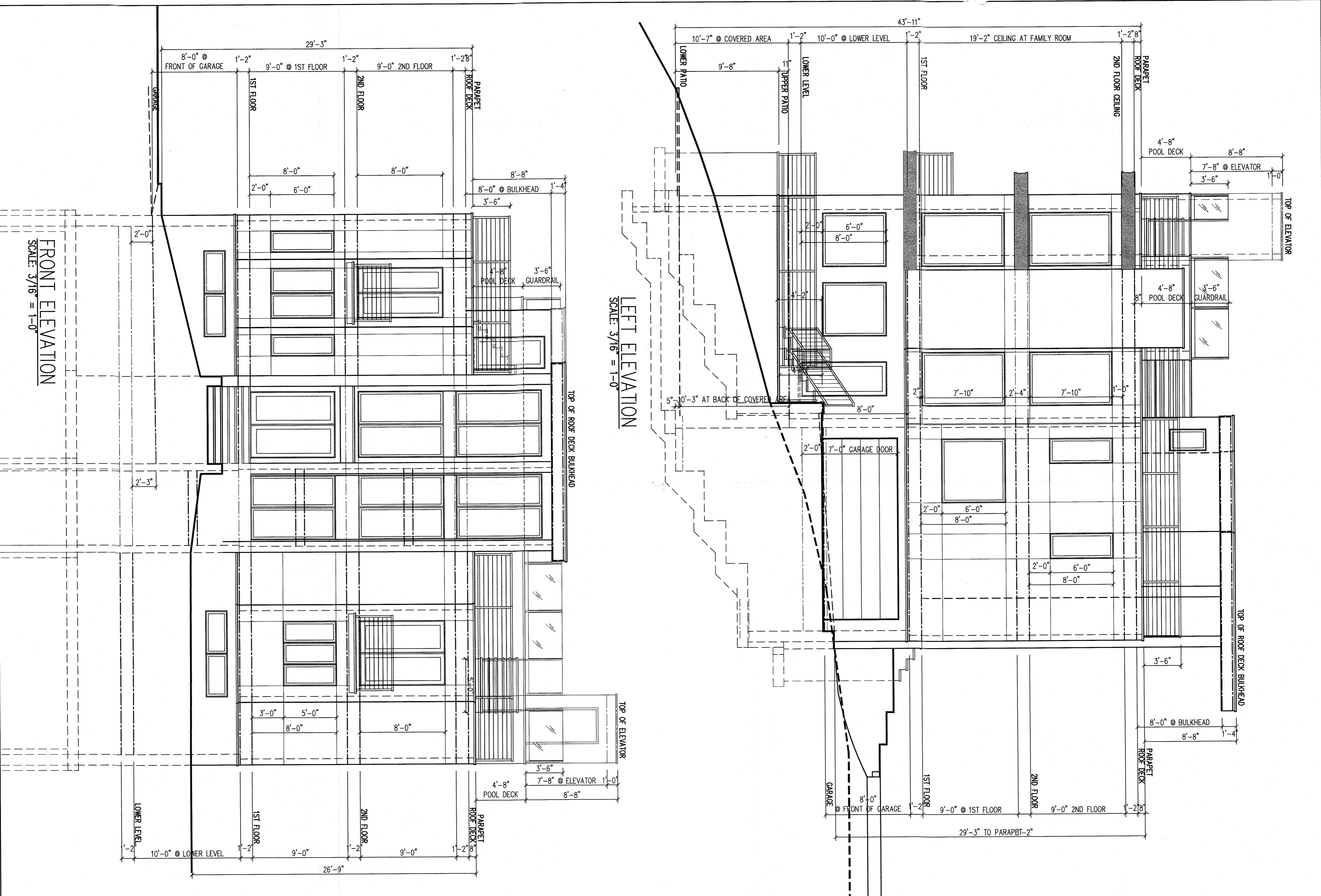
KRYPTON ENGINEERING
 527 W. 48th St. Grand Ft.
 NEW YORK, NY 10036
 (917) 475-6133
 KRYPTONENGINEERING.COM

PROJECT: 11 TWEED BLVD. UPPER GRANDVIEW, NY
DATE: 5/24/2021
PROJECT #: NY PE 089382
DRAWN/CHECKED: JLV
SCALE: AS NOTED
PAGE: 08 OF 06

C-300

SEAL & SIGNATURE:
 JOE L. MACCHIO, PE
 NY PE 089382

CULTEC DETAILS



ZONING INFORMATION: 11 TWEED BOULEVARD - R22 ZONE

Category:	REQUIRED/ALLOWED:	PROPOSED:	VARIANCE:
LOT SIZE (EXISTING):	22,500 SQUARE FEET	32,288 SQUARE FEET	NO
LOT WIDTH (EXISTING):	725.00 FEET	101.00 FEET	YES (1)
LOT FRONTAGE (EXISTING):	75.00 FEET	102.15 FEET	NO
AREA OF SLOPES > 25%:	-	26,938 SQUARE FEET	-
COUNTED LOT AREA:	-	18,799 SQUARE FEET	-
FLOOR AREA RATIO (NOTE 16):	20.00% 3,789.8 SQ FT	28.32 % 5,323 SQ FT	YES
BUILDING COVERAGE (BUILDING):	-	2,021 SQUARE FEET	-
IMPERVIOUS COVERAGE (2):	-	5,603 SQUARE FEET	-
FRONT YARD:	40.00 FEET (3)	30.00 FEET	YES
LEFT SIDE YARD:	20.00 FEET MIN. (4)	29.75 FEET	NO
RIGHT SIDE YARD:	20.00 FEET MIN. (4)	20.17 FEET	NO
COMBINED SIDEYARDS:	36.00 FEET (5)	42.92 (4) FEET	NO
REAR YARD:	45.00 FEET	244.50 FEET	YES
MAX BUILDING HEIGHT:	20.00 FEET (6)	36.17 FEET	YES
PARKING:	2.00 SPACES	2.00 SPACES	NO

V.C.A. GROUP
VASSILIOS COCOROS ARCHITECT

V.C.A.GROUP, LLC
467 STYAN AVENUE
ENGLWOOD CLIFFS, NEW JERSEY
TEL: 201.541.6886
FAX: 201.541.6898

Nikos Lykokas
Residence

PROJECT:
Proposed:
New One Family Dwelling
Located at:
11 Tweed Boulevard
Upper Grandview
Orangeburg, New York
Tax Lot Section: 71.09
Block: 1 Lot: 52

Architect shall not be responsible for the means and methods of construction and/or site maintenance & safety

DATE **Item**

03/25/20 CLIENT REVIEW

04/08/20 SCHEMATIC PLANS & ELEVATIONS

04/17/20 REVISED SCHEMATIC PLANS & ELEVATIONS

06/24/20 INITIAL ZONING REVIEW

08/10/20 REVISED ZONING REVIEW PLANS

09/30/20 REVISED ZONING - NEW POOL LOCATION

04/21/21 REVISED ZONING SUBMISSION

05/18/21 REVISED ZONING SUBMISSION

DRAWING TITLE:
ELEVATIONS AND SITE PLAN

SCALE: AS SHD. **DATE:** 2/17/20

DESIGNED BY: VC **PROJECT#:** RSM-20-01

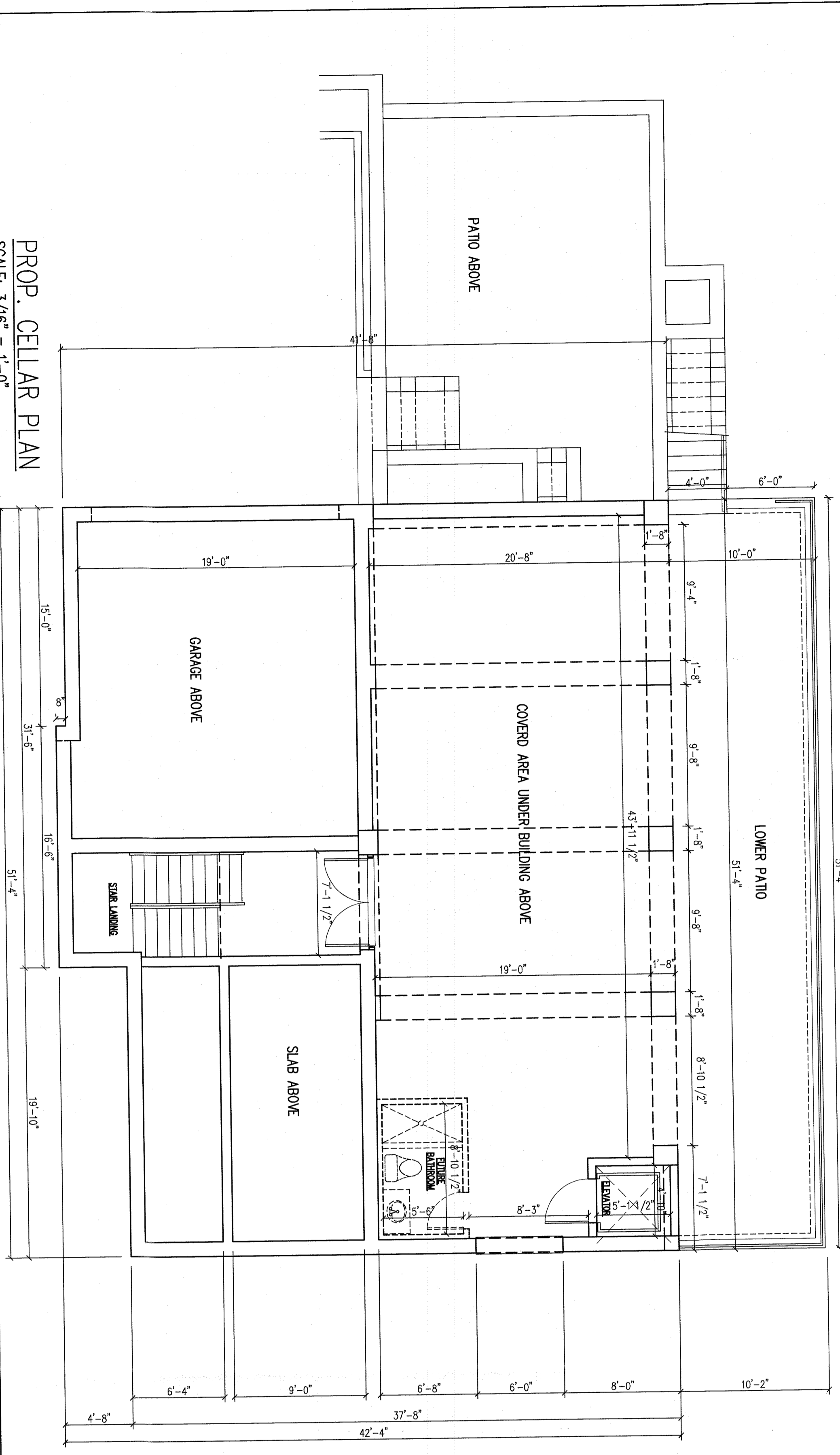
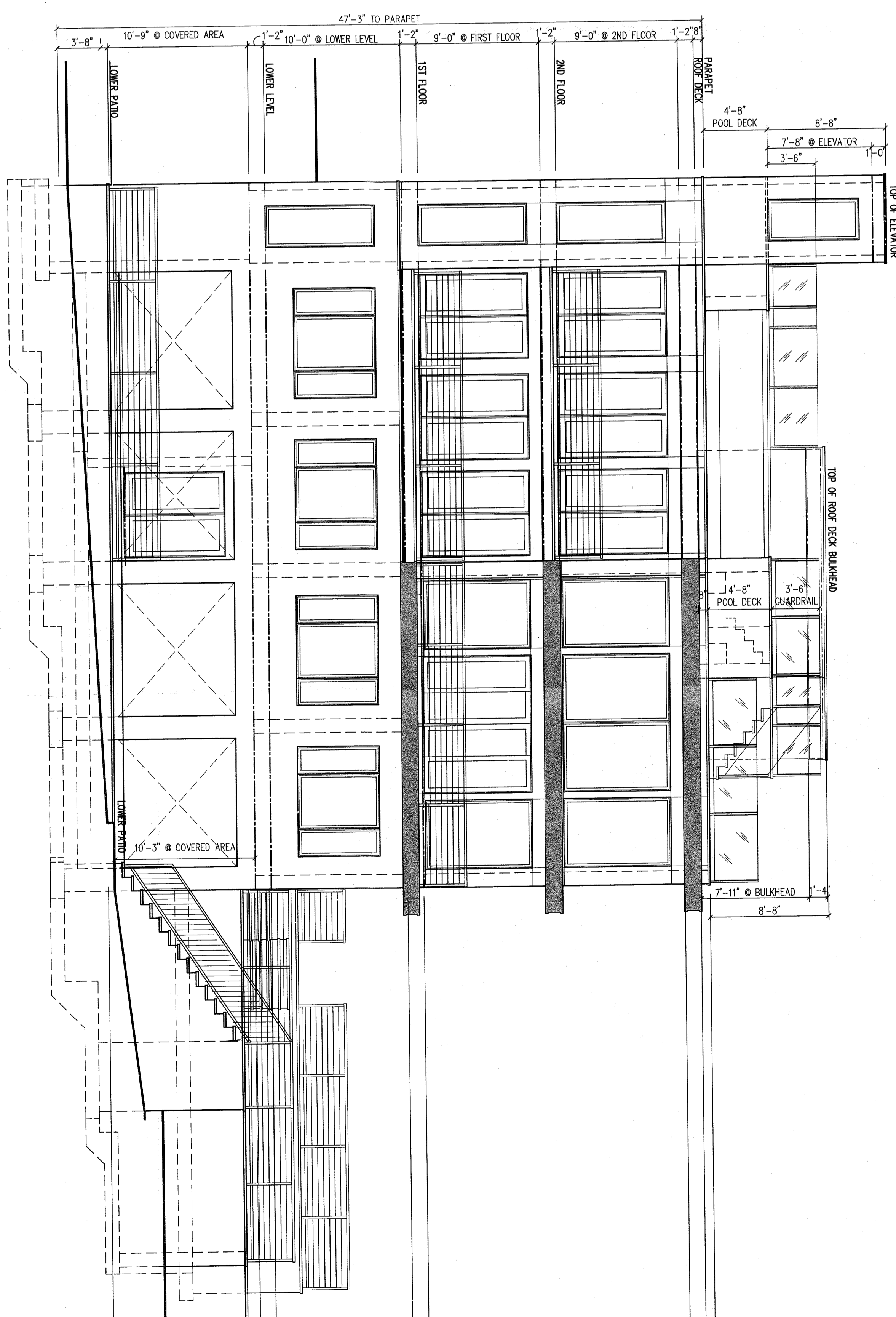
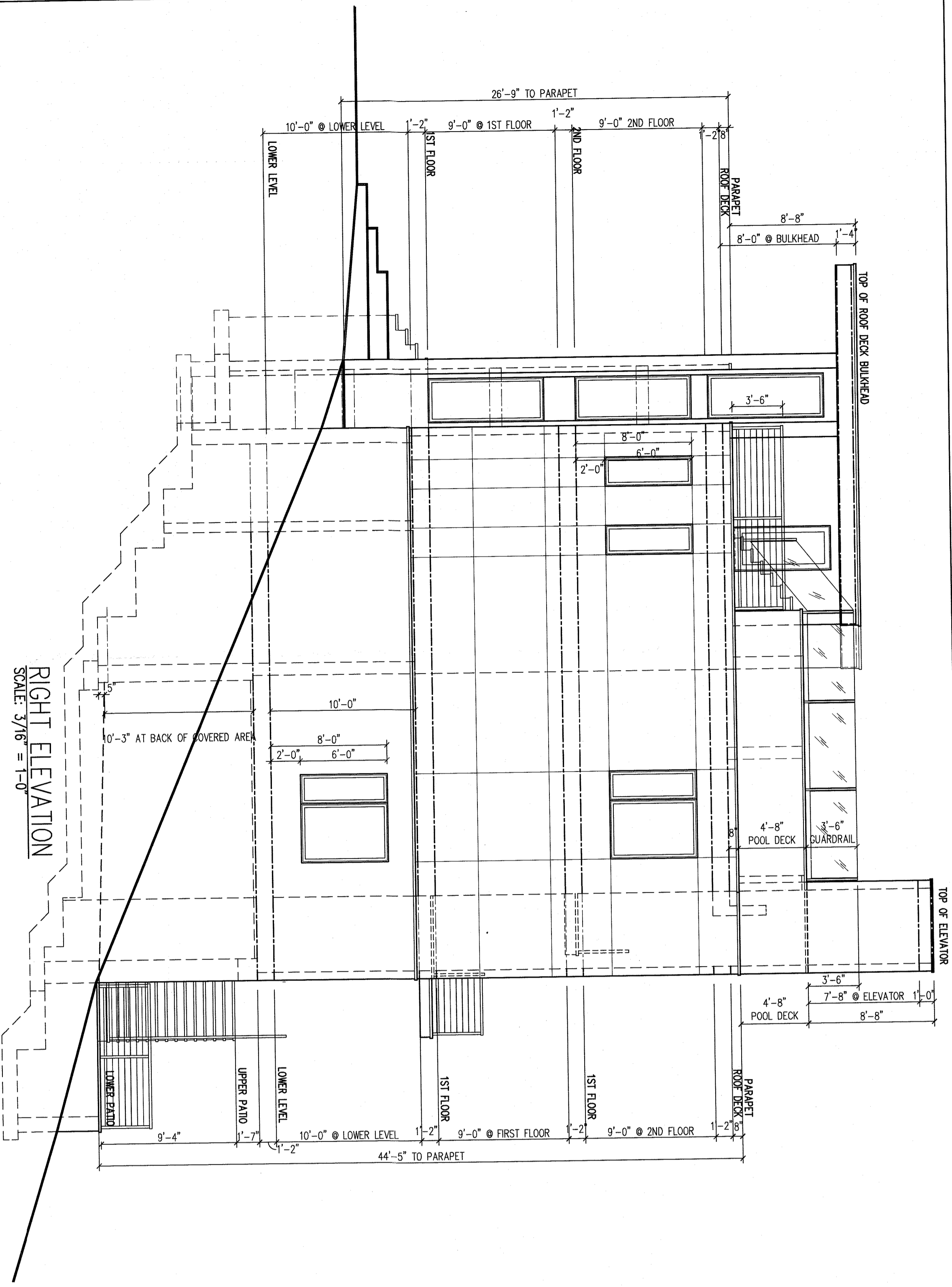
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CHECKED BY: VC **DRAWING #:**

PROPOSED/REVISIONS: **DRAWING:**

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SHEET #: 1 OF 3



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VASSILIOS COCCOROS ARCHITECT

V.C.A. GROUP, LLC
467 SYLVAN AVENUE
LOWER LEVEL
ENGLEWOOD CLIFFS, NEW JERSEY
TEL. 201.541.6595
FAX. 201.541.6596

Date	Item
03/25/20	CLIENT REVIEW
04/08/20	CLIENT REVIEW
04/17/20	SCHEDULE PLANS & ELEVATIONS
06/24/20	REVISED SCHEDULE PLANS & ELEVATIONS
08/10/20	INITIAL ZONING REVIEW
09/29/20	REVISED ZONING REVIEW PLANS
04/21/21	REVISED ZONING - NEW POOL LOCATION
05/19/21	REVISED ZONING SUBMISSION

Nikos Lykokas
LYKOS
Residence

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Located at:
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Tax Lot Section: 71.09
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DRAWING TITLE: ELEVATIONS AND SITE PLAN

SCALE:	AS MD:	DATE:
SCALE: 3/16" = 1'-0"	VC	2/17/20
DESIGNED BY:	VC	PROJECT #:
DRAWN BY:	VC	CAD FILE:
CHECKED BY:	VC	DRAWING #:
PROFESSORIAL SEAL:		DRAWING:

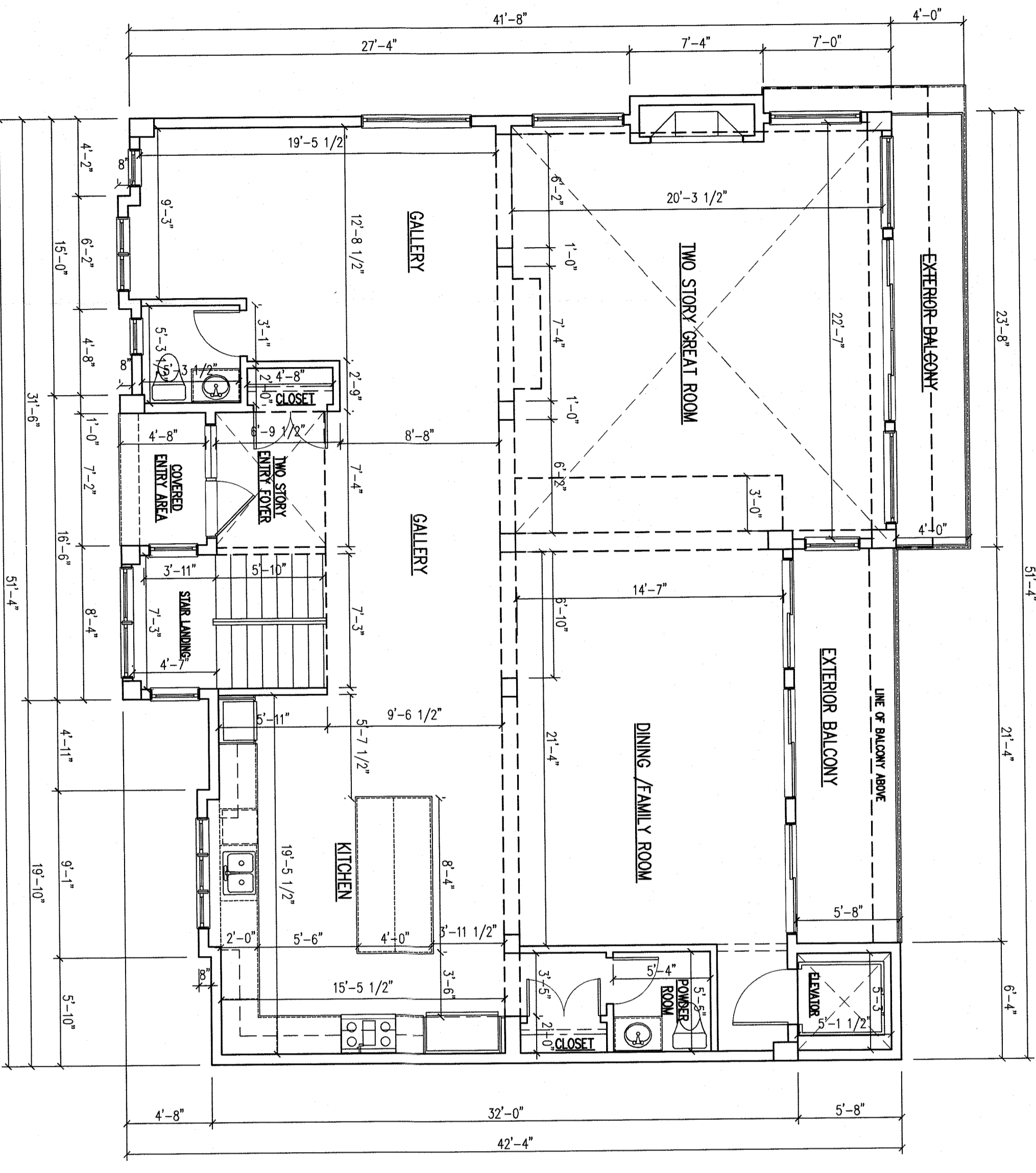
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Architect shall not be responsible for the means & methods of construction and or site maintenance & safety

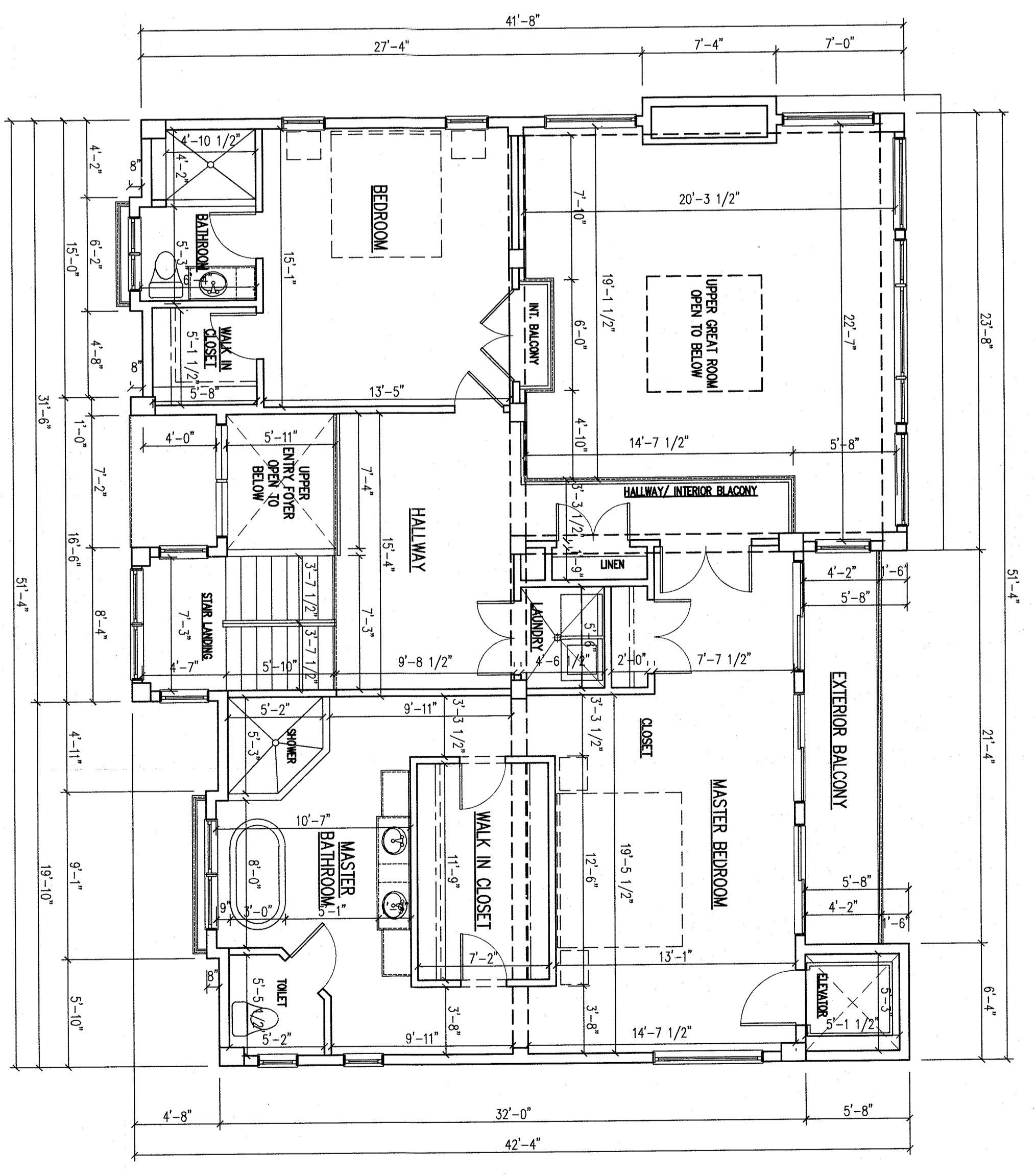
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N.Y. LLSC. # 027919-1

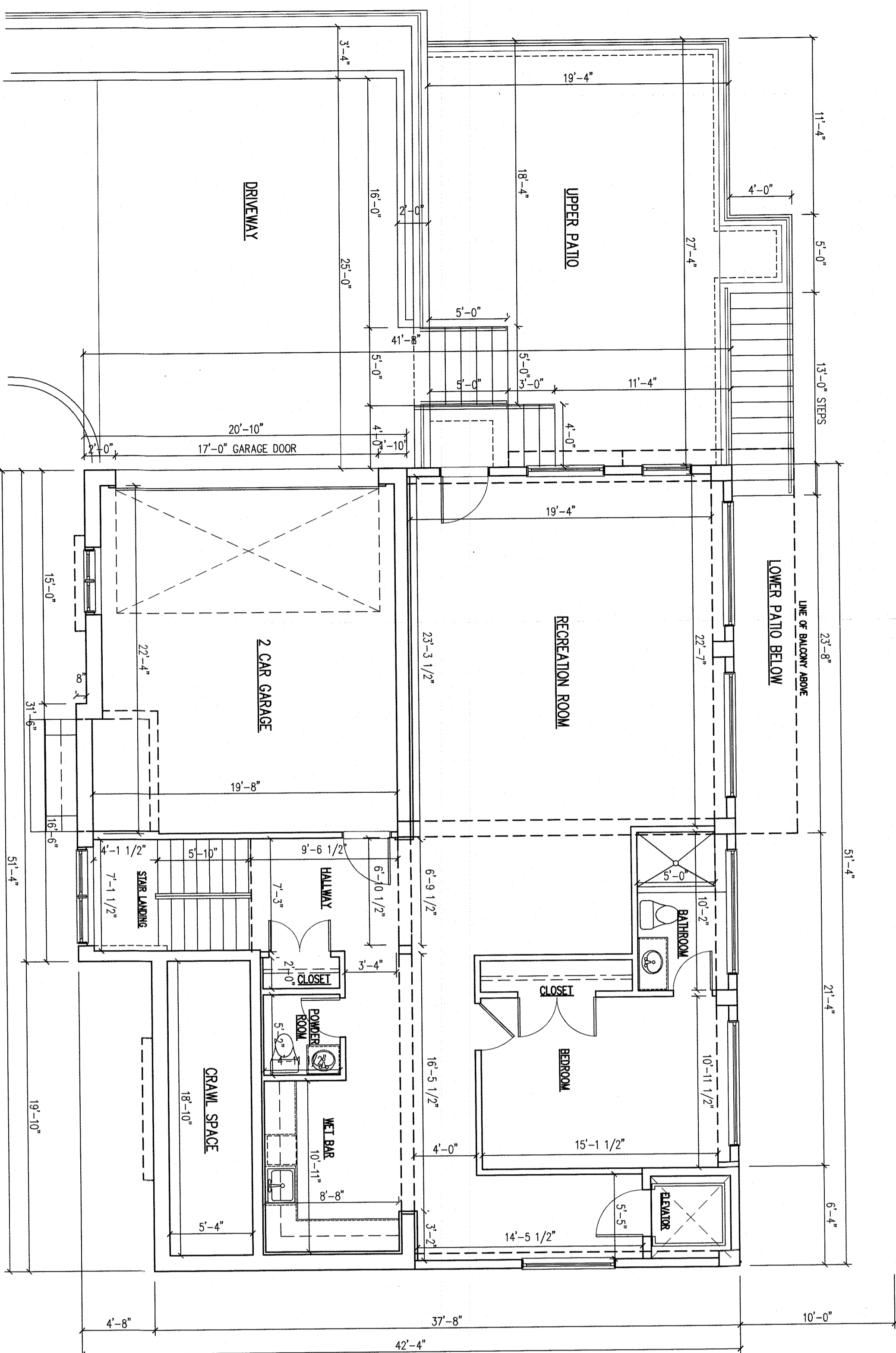
SHEET # 2 OF 3



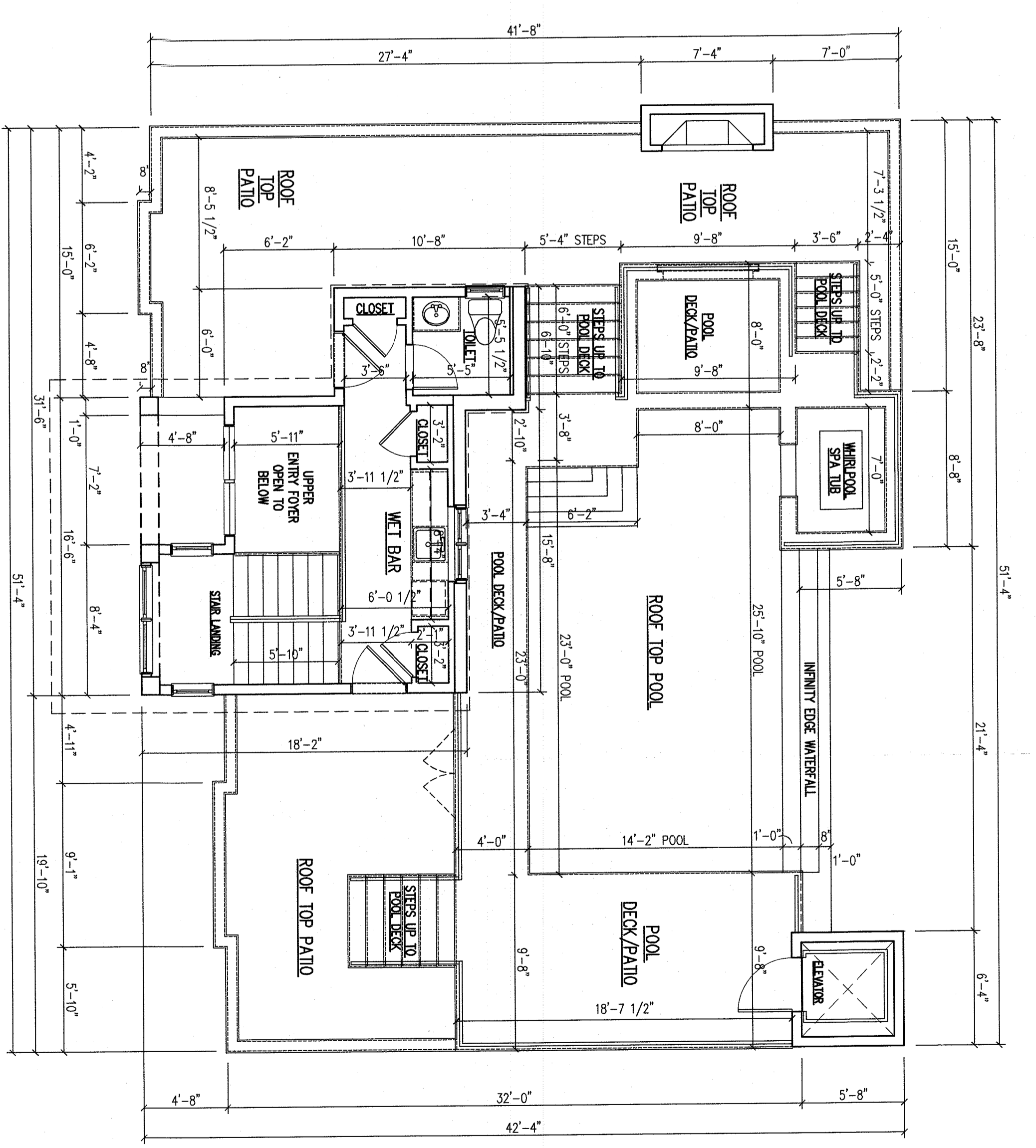
PROP. 1st FLOOR PLAN
SCALE: 3/16" = 1'-0"
1,890 SQUARE FEET



PROP. 2nd FLOOR PLAN
SCALE: 3/16" = 1'-0"
1,344 SQUARE FEET



PROP. LOWER LEVEL PLAN
SCALE: 3/16" = 1'-0"
1,923 SQUARE FEET



PROP. ROOF PLAN
SCALE: 3/16" = 1'-0"
166 SQUARE FEET

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Nikos Lykotas
LYKOS

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One Family Dwelling
Located at:
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05/09/21	REVISED ZONING SUBMISSION

ELEVATIONS AND SITE PLAN

SCALE:	AS NTD.	DATE:
DESIGNED BY:	VC	PROJECT#: NSH-20-01
DRAWN BY:	VC	CAD FILE:
CHECKED BY:	VC	DRAWING #:
PROFESSIONAL SEAL:	DRAWING:	

