

Downey Energy Company Liquid Propane Storage Facility

199 Old Route 9
Town of Wappinger, Dutchess Co., New York

Draft Environmental Impact Statement (DEIS)

Appendix Volume Two Appendices D - I

LIST OF APPENDICES

- Appendix A: Full Environmental Assessment Form (as submitted to Town)
- Appendix B: Stormwater Pollution Prevention Plan (SWPPP – last revised May 202)
- Appendix C: Fire Safety Analysis prepared by Jody Pratt Amenden Energy Consulting, LLC
- Appendix D: Site Plan Package prepared by Alfred A. Capelli, Jr., AIA revised May 202
- Appendix E: Deposition of Steven P. VanBuren, transcript dated March 17, 2023
- Appendix F: Letter from NYS DOT dated December 21, 2022
- Appendix G: IPaC Endangered Species
- Appendix H: Operational Procedures, Safety Features & Training Practices report dated June 10, 2019
- Appendix I: Letter from Theodore Lemoff, PE dated October 7, 2021

Appendix D
Site Plan Package

PROPOSED LIQUID PROPANE STORAGE FACILITY

FOR

DOWNEY ENERGY COMPANY

TOWN OF WAPPINGER, DUTCHESS COUNTY, NY

GENERAL NOTES

1. NOTHING SHALL BE PLACED, PLANTED, SET OR PUT WITHIN AN AREA OF AN EASEMENT THAT WOULD ADVERSELY AFFECT THE FUNCTION OF THE EASEMENT.
2. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITIES AT LEAST 72 HOURS PRIOR TO THE START OF ANY CONSTRUCTION. ALL UTILITIES HAVE BEEN IDENTIFIED BASED ON THE BEST AVAILABLE INFORMATION AND LISTED ON THESE PLANS IN ACCORDANCE WITH ACT 187. REPAIRS, REPLACEMENTS, AND MAINTENANCE OF EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE UTILITY OWNERS, AND ALL EFFORTS SHALL BE UNDERTAKEN TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE TO UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. RESTORATION OF ALL EXISTING SURFACE IMPROVEMENTS DAMAGED OR ALTERED DURING CONSTRUCTION, INCLUDING LANDSCAPING, SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING THE SAFE FLOW OF TRAFFIC DURING CONSTRUCTION WITHIN THE SITE AND THE EXISTING ROAD RIGHTS-OF-WAY WHILE ENTERING AND LEAVING THE SITE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS RELATIVE TO THE CONSTRUCTION PROPOSED ON THIS PLAN.
5. ALL STORM SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND TO THE STANDARDS OF THE MUNICIPAL ORDINANCES.
6. THERE SHALL BE NO CHANGES OR DEVIATION FROM THESE PLANS UNLESS APPROVED BY THE TOWN ENGINEER. SUCH CHANGES SHALL BE IN WRITING AND WHEN NECESSARY, ARE SUBJECT TO APPROVAL BY THE TOWN OF WAPPINGERS FALLS ENGINEER.
7. THE CONTRACTOR SHALL INSPECT EXISTING SITE/PROJECT AREA CONDITIONS AND VERIFY ALL QUANTITIES AND MATERIALS PRIOR TO THE START OF CONSTRUCTION.

SITE INFORMATION

TAX MAP NUMBER	6156-02-763656
TOTAL AREA	6.29± ACRES (273,992 SF)
LAND OWNER / DEVELOPER	DOWNEY ENERGY PO BOX 306 COLD SPRING, NY 10516
SITE ADDRESS:	199 OLD ROUTE 9 TOWN OF WAPPINGER DUTCHESS COUNTY, NY
EXISTING USE	VACANT LAND
PROPOSED USE	LIQUID PROPANE STORAGE FACILITY

REFERENCE MAPS

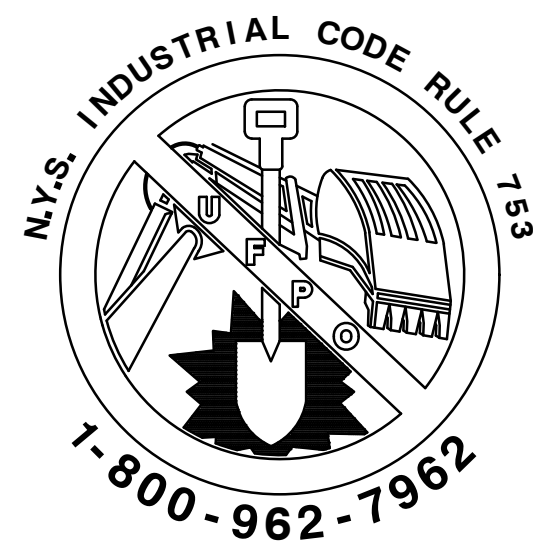
1. EXISTING CONDITIONS SURVEY PREPARED BY ROBERT OICLE, LS, DATED JUNE 6, 2019.

BULK TABLE REQUIREMENTS

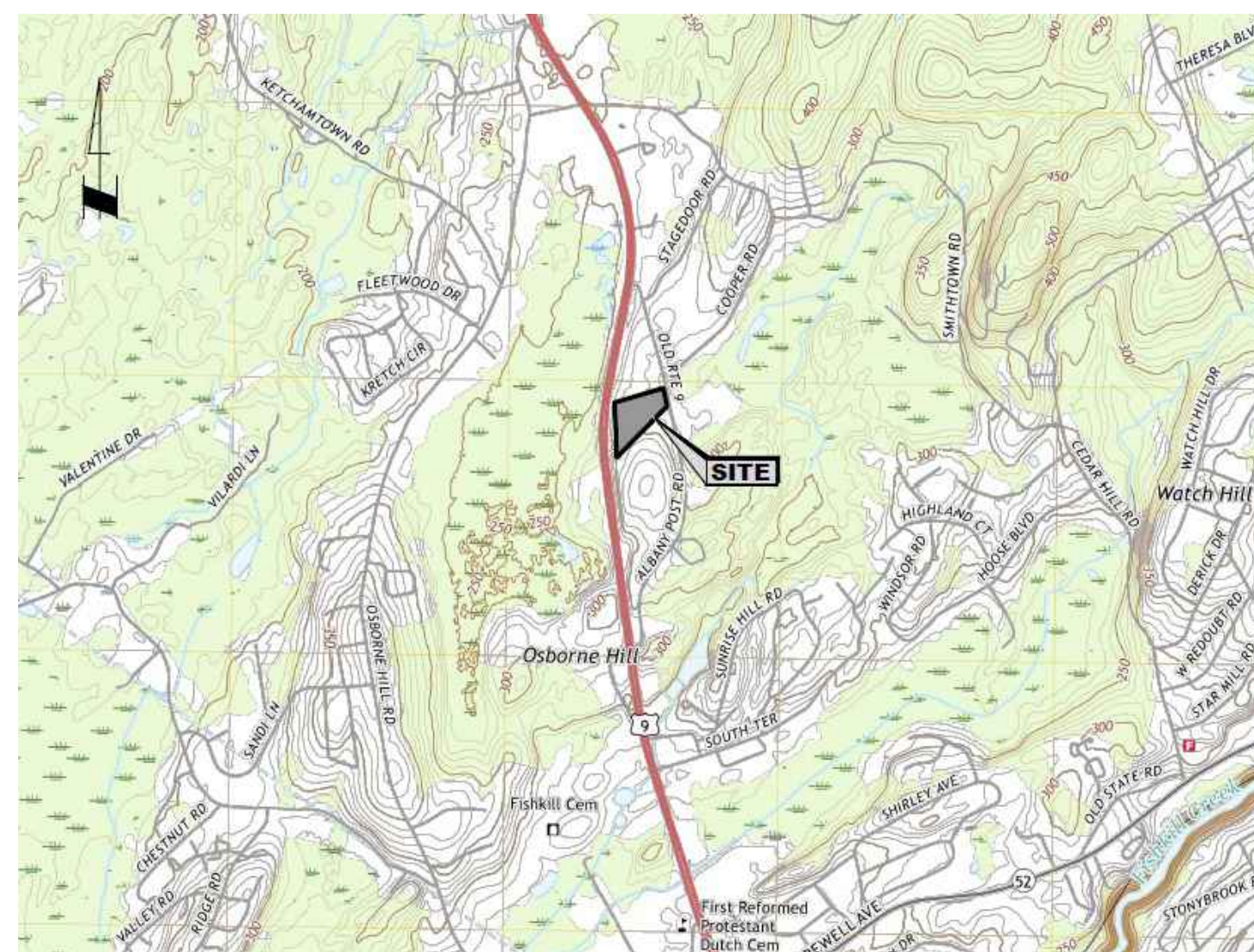
USE: LIQUID PROPANE STORAGE	<u>REQUIRED</u>	<u>PROVIDED</u>
MINIMUM LOT AREA	5 ACRES	6.29 ACRES
MINIMUM LOT WIDTH	150 FT	220 FT
MINIMUM LOT DEPTH	200 FT	616 FT
MINIMUM LOT FRONTAGE	150 FT	220 FT
MINIMUM FRONT YARD	100 FT (BLDG)/100 FT (TANKS)	121 FT (BLDG) / 219 FT (TANKS)
MINIMUM REAR YARD	30 FT (BLDG)/75 FT (TANKS)	48 FT (BLDG) / 386 FT (TANKS)
MINIMUM SIDE YARD	10 FT (BLDG)/75 FT (TANKS)	92 FT (BLDG) / 79 FT (TANKS)
MAXIMUM BUILDING HEIGHT	35 FT/2.5 STYS.	25 FT/2 STORIES
MAXIMUM BUILDING COVERAGE	25% / 68,498 SF	1800 SF BLDG / 1,430 SF TANKS / 3,230 SF TOTAL (1.18%)
MAXIMUM IMPERVIOUS	75% / 205,494 SF	19,565 SF (7.14%)
MINIMUM SPACE BETWEEN TANKS	10 FT	10 FT

LIST OF DRAWINGS

- 1 OF 17.COVER SHEET
2 OF 17.EXISTING CONDITIONS PLAN
3 OF 17.SITE PLAN
4 OF 17.DETAILED SITE PLAN
5 OF 17.GRADING & DRAINAGE PLAN
6 OF 17.EROSION CONTROL PLAN
7 OF 17.UTILITY PLAN
8 OF 17.LANDSCAPING PLAN & NOTES
9 OF 17.PHOTOMETRIC PLAN
10 OF 17.VEHICLE MOVEMENT PLAN
11 OF 17.SITE DETAILS
12 OF 17.SITE DETAILS
13 OF 17.SITE DETAILS
14 OF 17.SITE DETAILS
15 OF 17.SITE DETAILS
16 OF 17.SITE DETAILS
17 OF 17.SANITARY SEWER DISPOSAL SYSTEM PLAN

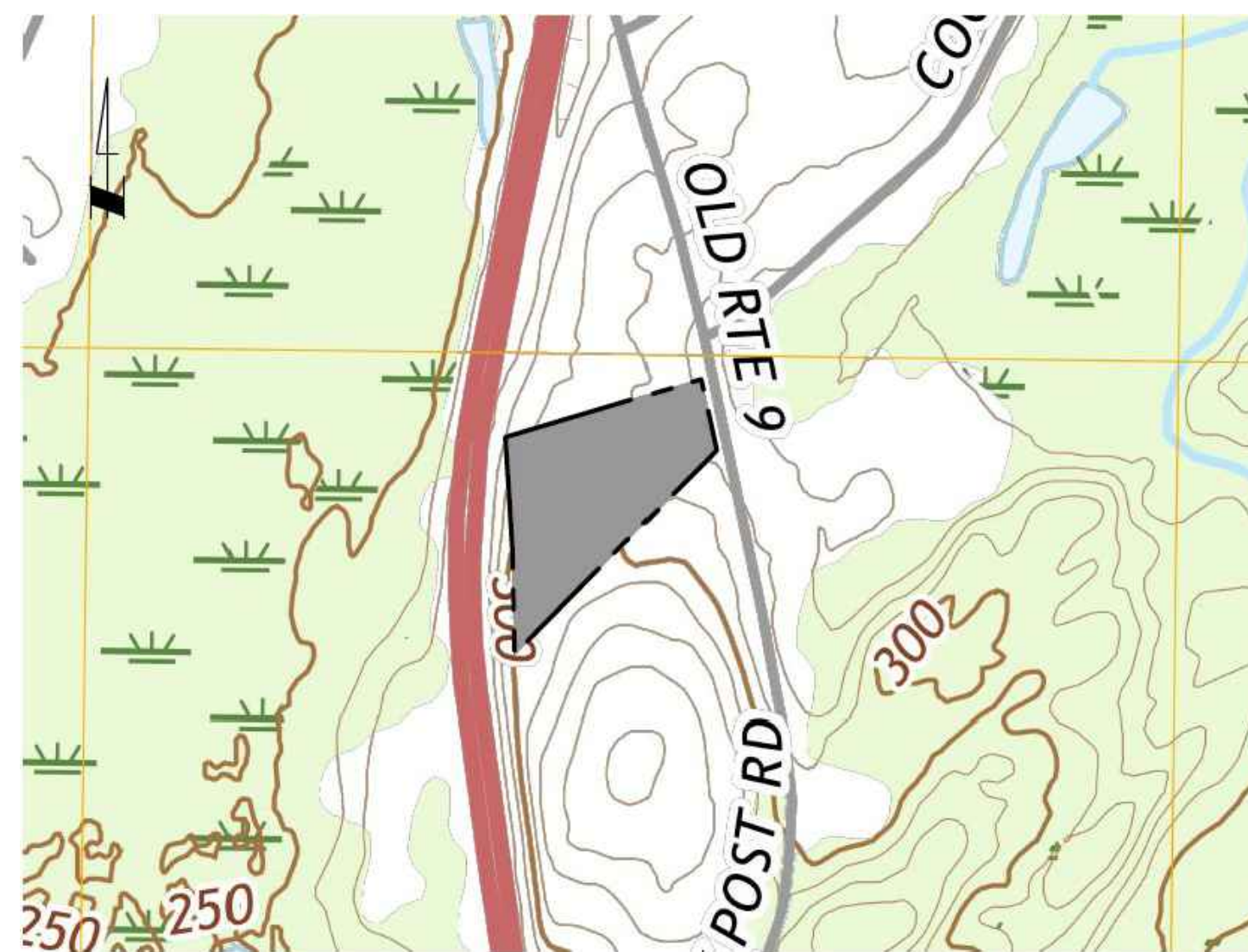


**CALL BEFORE YOU DIG, DRILL OR BLAST
NO LESS THAN TWO WORKING DAYS NOTICE
IT'S THE LAW!**



SITE LOCATION MAP

SOURCE: HOPEWELL JUNCTION USGS
QUAD SCALE: 1" = 2000'



AREA MAP

SCALE: 1" = 500'

<h1 style="margin: 0;">TOWN OF WAPPINGER</h1> <h2 style="margin: 0;">PLANNING BOARD SITE PLAN APPROVAL</h2> <h3 style="margin: 0;">WAPPINGERS FALLS, NEW YORK</h3>	
<p>THE SITE PLAN FOR THE PROPERTY AS DEPICTED HEREON WAS APPROVED BY THE TOWN OF WAPPINGER PLANNING BOARD AT A MEETING HELD ON _____, AND THE CONDITIONS OF THE SITE PLAN APPROVAL HAVE BEEN SATISFIED OR ARRANGEMENTS HAVE BEEN MADE TO ENSURE THE COMPLETION OF ANY OUTSTANDING OR INCOMPLETE CONDITIONS.</p>	
CHAIRMAN	DATE
<h2 style="margin: 0;">OWNER / APPLICANT SIGNATURES</h2>	
<p>THE UNDERSIGNED APPLICANT(S) FOR THE PROPERTY AND THE UNDERSIGNED OWNER(S) OF THE PROPERTY SHOWN HEREON, CERTIFY THAT THEY ARE FAMILIAR WITH THIS MAP, ITS NOTES AND ITS CONTENTS AS STATED HEREON INCLUDING ALL CONDITIONS OF APPROVAL. THE APPLICANT(S) AND OWNER(S) UNDERSTAND THEIR OBLIGATION TO THE TOWN TO KEEP THIS PREMISES AS PER PLAN APPROVAL BY THE TOWN PLANNING BOARD UNTIL A NEW OR REVISED PLAN FOR DEVELOPMENT OR USE OF THE SITE IS APPROVED BY THE PLANNING BOARD. THE APPLICANT(S) AND OWNER(S) UNDERSTAND THEIR OBLIGATION TO THE TOWN NOT TO OCCUPY THE PREMISES BEFORE A CERTIFICATE OF OCCUPANCY (CO) IS ISSUED BY THE TOWN FOR THE OCCUPANCY AS APPROVED HEREON.</p>	
OWNER	DATE
APPLICANT	

(x) PREVIOUS REVISIONS

VISIONS	BY

ALFRED A. CAPPELLI Jr., AIA
ARCHITECT

1156 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500
acappe2102@aol.com

139 OLD ROUTE 9
TOWN OF WAPPINGER, N.Y.

COVER SHEET

TE 5/1/2023

SALE	N/A
------	-----

AWN MO

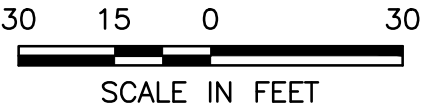
B 19-013

EET

G-1



- NOTES:**
1. EXISTING CONDITIONS SURVEY PREPARED BY ROBERT OICILE, L.S. AND DATED JUNE 6, 2019 AND REVISED DECEMBER 11, 2020.
 2. WETLANDS SHOWN WERE DELINEATED BY MICHAEL NOWICKI WETLAND BIOLOGIST ON JULY 2019 AND VELIDATED BY THE NYSDEC ON 9/13/2019.



REVISIONS	BY

ALFRED A. CAPELLI Jr., AIA

ARCHITECT

1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590

Phone: (845) 632-6500

acappe2102@aol.com

PROPOSED LIQUID PROPANE STORAGE FACILITY

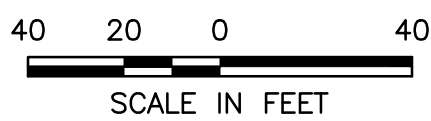
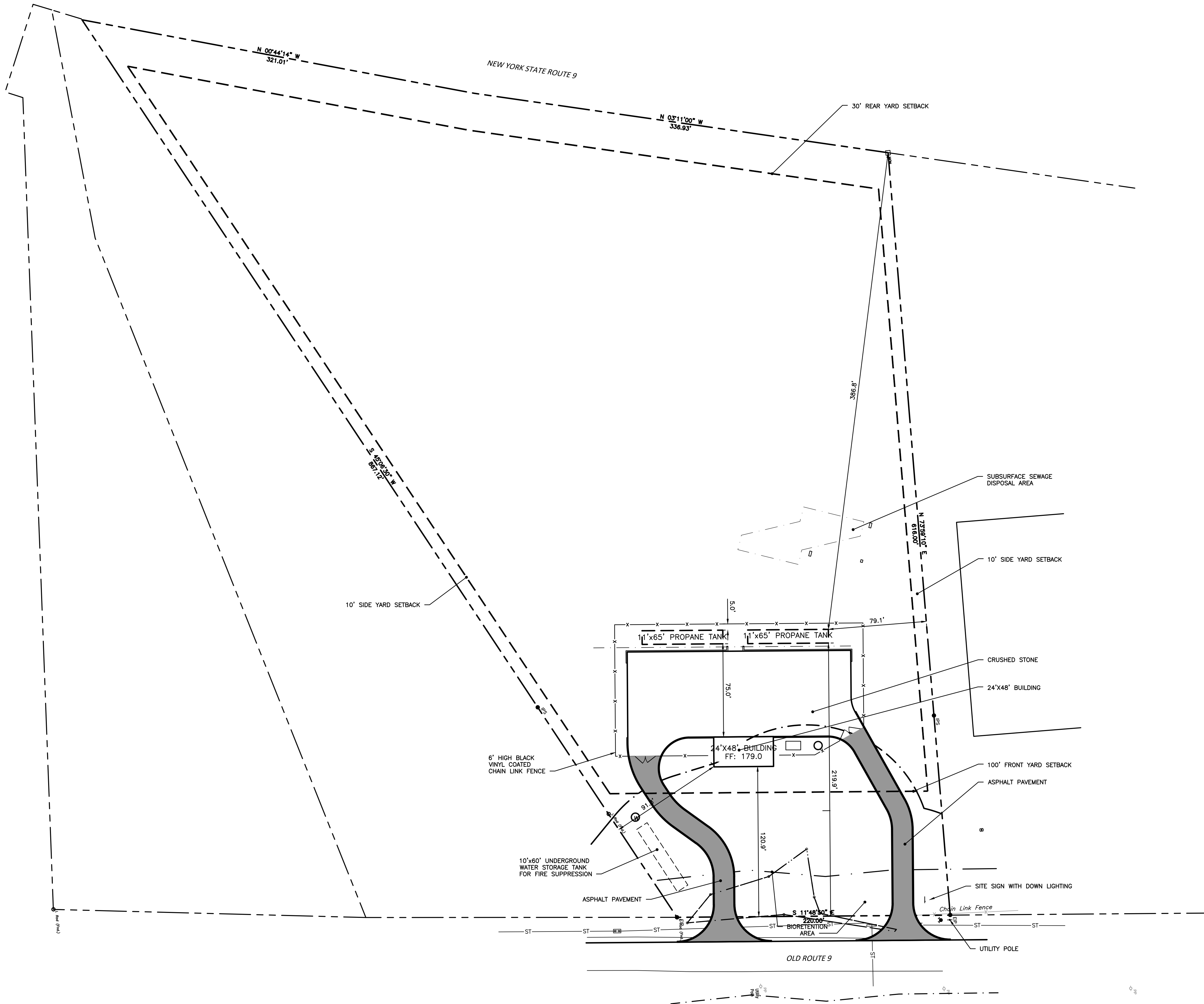
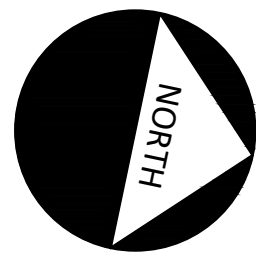
DOWNEY ENERGY

199 OLD ROUTE 9

TOWN OF WAPPINGER, N.Y.

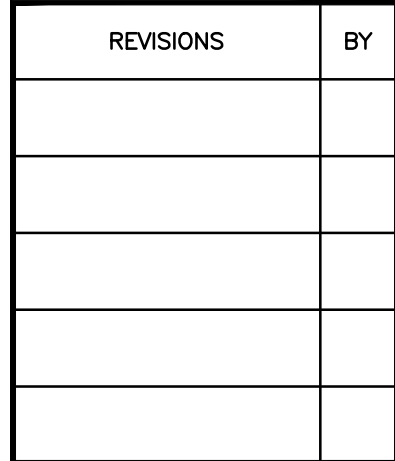
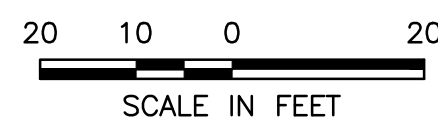
EXISTING CONDITIONS PLAN

DATE	5/1/2023
SCALE	1" = 30'
DRAWN	MO
JOB	19-013
SHEET	S-1



- NOTES:**
1. REFER TO SHEET S-3 FOR DETAILED SITE PLAN.
 2. SIGHT DISTANCE: SLSD RIGHT & LEFT;
SSD: TSD > 500 LF BOTH DRIVEWAYS.

REVISIONS	BY
ALFRED A. CAPELLI Jr., AIA ARCHITECT	
1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590 Phone: (845) 632-6500 acappe2102@aol.com	
PROPOSED LIQUID PROPANE STORAGE FACILITY DOWNEY ENERGY 199 OLD ROUTE 9 TOWN OF WAPPINGER, N.Y.	
SITE PLAN	
DATE	5/1/2023
SCALE	1" = 40'
DRAWN	MO
JOB	19-013
SHEET	S-2

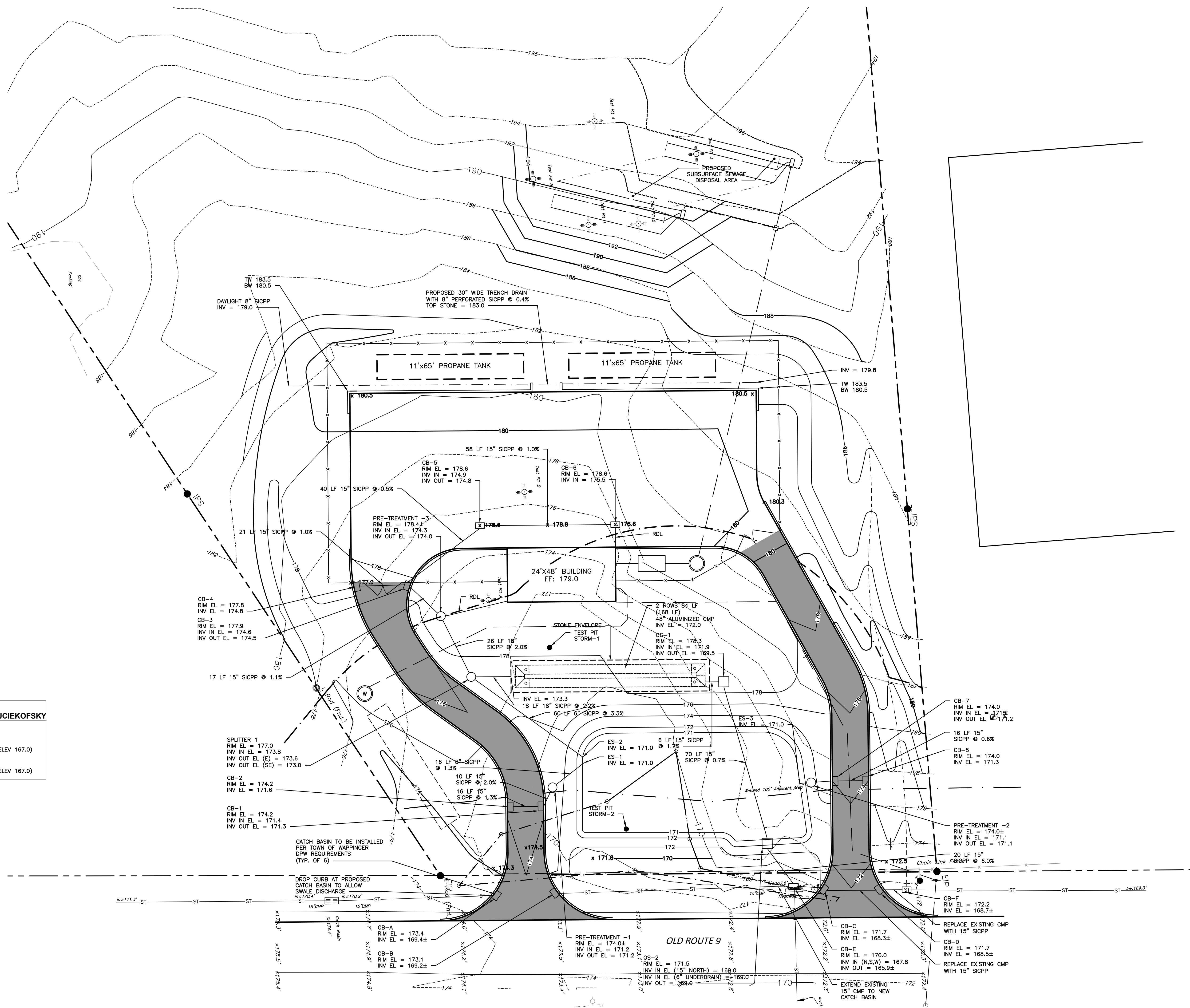
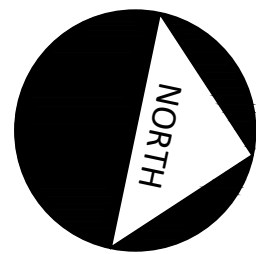


11136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500 acappe2102@aol.com

1999 OLD ROUTE 9 TOWN OF WAPPINGER, N.Y.

DATE	5/1/2023
SCALE	1" = 20'
DRAWN	MO
JOB	19-013
SHEET	

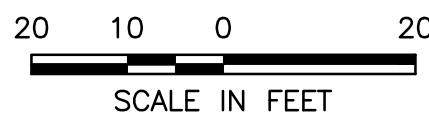
S-3



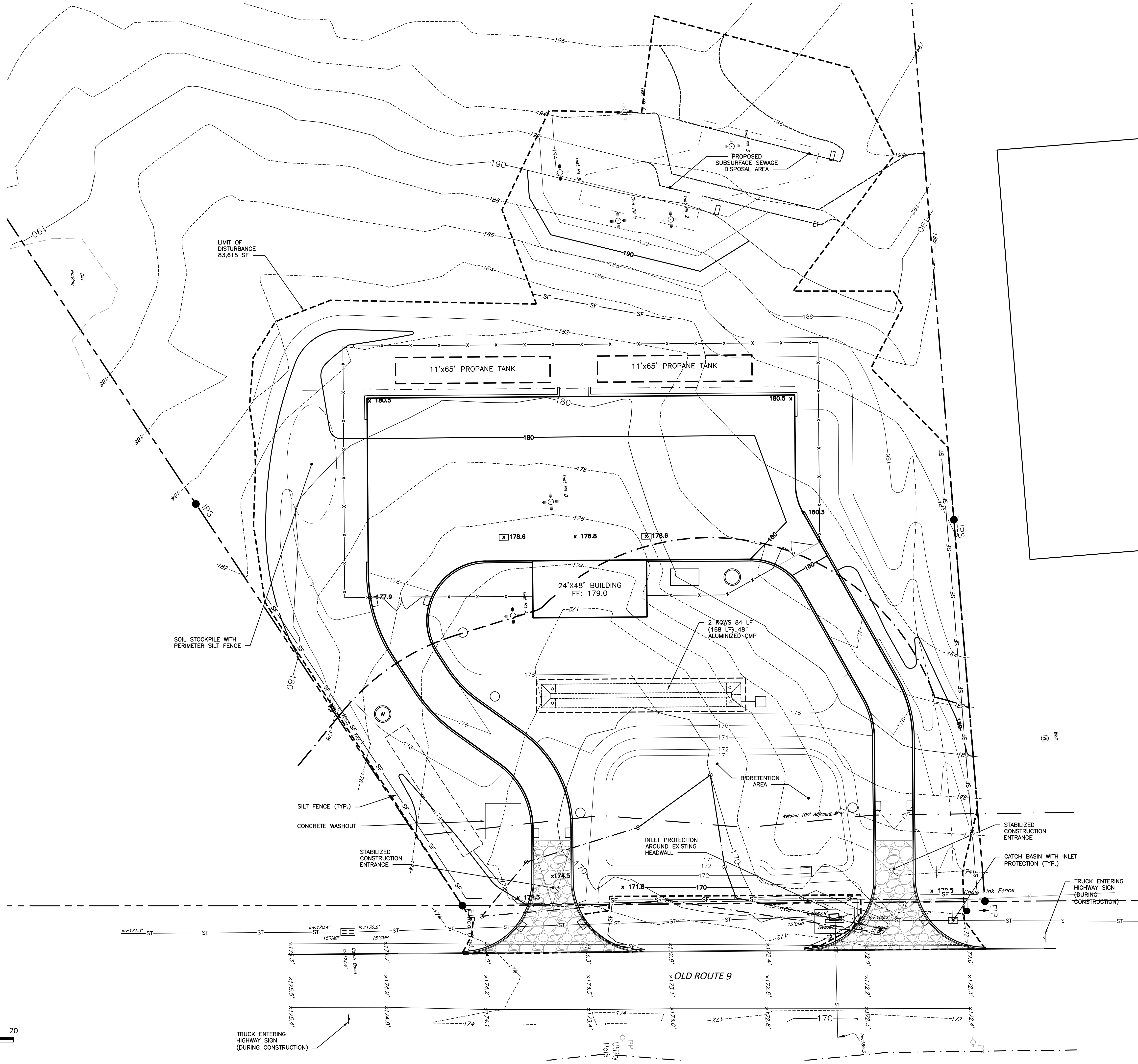
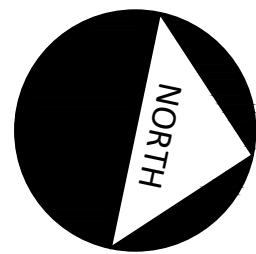
STORM TEST PIT DATA
WITNESSED BY TROY WOJCIEKOFSKY
(5/3/2021)

TEST PIT STORM-1:
DEPTH TO GROUNDWATER = 48" (ELEV 167.0)

TEST PIT STORM-2:
DEPTH TO GROUNDWATER = 30" (ELEV 167.0)



REVISIONS		BY
ALFRED A. CAPELLI Jr., AIA ARCHITECT		1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590 Phone: (845) 632-6500 acappe2102@aol.com
PROPOSED LIQUID PROPANE STORAGE FACILITY DOWNEY ENERGY TOWN OF WAPPINGERR, N.Y. 199 OLD ROUTE 9		
GRADING & DRAINAGE PLAN		
DATE	5/1/2023	
SCALE	1" = 20'	
DRAWN	MO	
JOB	19-013	
SHEET	S-4	



EROSION & SEDIMENT CONTROL NOTES

EROSION AND SEDIMENT CONTROL MEASURES

- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK" STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" NOVEMBER 2016.
- DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
- AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
- SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
- PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.
- SEEDING AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR TO SUPPLY ALL EQUIPMENT AND WATER.
- WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES

- A. **PERMANENT AND TEMPORARY VEGETATION:**
INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.
- B. **STABILIZED CONSTRUCTION ENTRANCE:**
INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.
- C. **SILT FENCE:**
INSPECT FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.
- D. **SOIL STOCKPILE:**
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCKPILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.
- E. **INLET PROTECTION:**
INSPECT INLET PROTECTION FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT AS NECESSARY TO PROVIDE FOR ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS.
- F. **DUST CONTROL:**
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED, REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

CONSTRUCTION SEQUENCING

- ESTABLISH A TEMPORARY STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL SILT FENCE AS SHOWN ON THIS PLAN. INSTALL CONSTRUCTION FENCE TO PROTECT EXISTING FACILITIES AND OPERATIONS AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE TOWN.
- NOTIFY DESIGN ENGINEER FOR INSPECTION OF EROSION CONTROL MEASURES FOR APPROVAL BEFORE CONTINUING WITH EARTH DISTURBING ACTIVITIES.
- CLEAR THE MINIMUM AMOUNT OF BRUSH AND TREES WITHIN THE DEVELOPMENT AREA THAT WILL ALLOW PERFORMANCE OF THE WORK.
- CONSTRUCT TEMPORARY MATERIAL STORAGE AND STOCKPILE AREAS.
- AS CONCRETE IS DELIVERED AND PLACED ON SITE, A CENTRALLY LOCATED CONCRETE WASHOUT AREA APPROXIMATELY 15-FOOT SQUARE AND 2.5-DEEPT DEEP SHALL BE PROVIDED. THIS WASHOUT AREA SHALL BE ENCLOSED BY SILT FENCE, LOCATED NEXT TO A PAVED ROAD AND SITUATED A MINIMUM OF 50-FOET FROM A WATERCOURSE. IF REQUIRED, TEMPORARY DIVERSION DIKES SHALL BE INSTALLED AROUND WASHOUT AREA TO PREVENT STORMWATER FROM ENTERING WASHOUT LOCATION.
- WASTE MATERIAL FROM CONCRETE WASHOUT OPERATIONS SHALL BE PERIODICALLY REMOVED AND LEGALLY DISPOSED OF. WHEN TWO-THIRDS OF THE WASHOUT STORAGE AREA HAS ACCUMULATED WITH MATERIAL, AT THE END OF THE CONSTRUCTION, ALL MATERIAL FROM THE WASHOUT AREA SHALL BE REMOVED AND DISPOSED OF.
- STABILIZE SOIL STOCKPILE AREA WITH SEED AND MULCH.
- EXCAVATE BIORETENTION AREAS AS TEMPORARY SEDIMENT TRAPS AS NECESSARY; CLEAN OUT BASIN AREAS AND CONSTRUCT BIORETENTION AREAS AFTER TRIBUTARY AREAS ARE STABILIZED.
- PERFORM REQUIRED GRADING AND EARTHWORK (CUT AND FILL) OPERATIONS INCLUDING STORMWATER MANAGEMENT BASIN.
- PROTECT ALL CATCH BASINS WITHIN THE RAIN GARDEN AND BIORETENTION AREAS WITH INLET PROTECTION.
- INSTALL UTILITIES, PAVING, SIDEWALKS AND OTHER SITE IMPROVEMENTS. DO NOT CONNECT NEW STORMWATER UTILITIES TO THE BIORETENTION AREA UNTIL TRIBUTARY AREAS ARE STABILIZED AND/OR INLETS ARE PROTECTED FROM SEDIMENTATION.
- STABILIZED DISTURBED AREAS WITH SEED AND MULCH OUTSIDE AREAS TO RECEIVE PAVEMENT.
- REMOVE SILT FENCE, TEMPORARY CONSTRUCTION ENTRANCE AND INLET PROTECTION WHEN A STABILIZING PERMANENT STAND OF VEGETATION IS ACHIEVED.

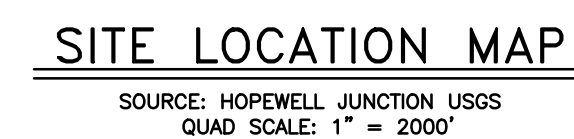
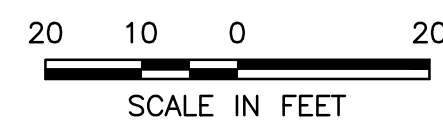
REVISIONS	BY

ALFRED A. CAPELLI Jr., AIA
ARCHITECT

PROPOSED LIQUID PROPANE STORAGE FACILITY
DOWNEY ENERGY
199 OLD ROUTE 9 TOWN OF WAPPINGER, N.Y.

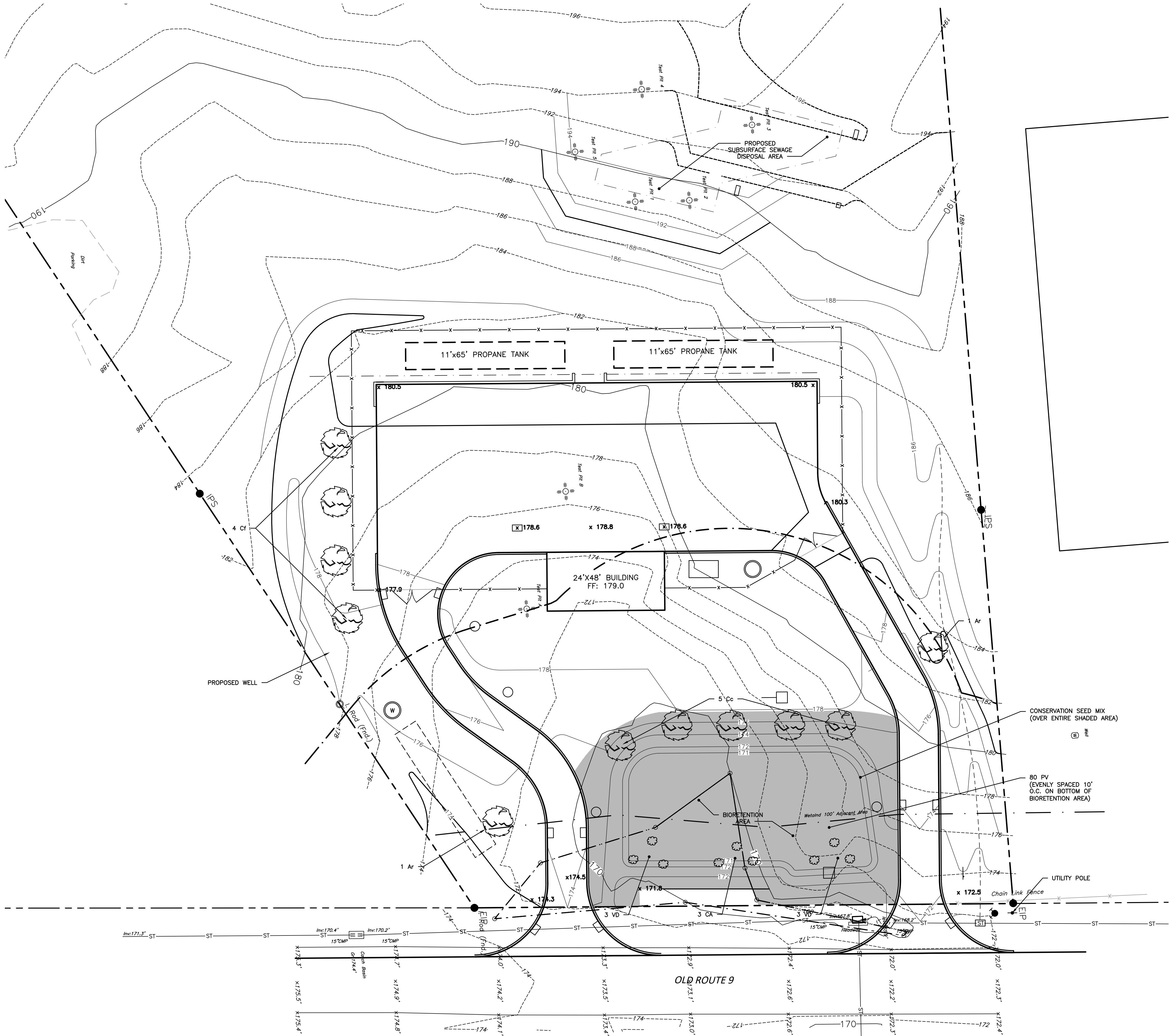
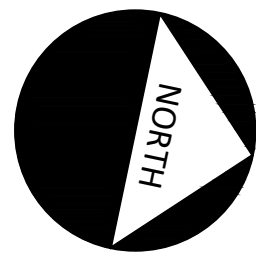
EROSION CONTROL PLAN

DATE	5/1/2023
SCALE	1" = 20'
DRAWN	MO
JOB	19-013
SHEET	S-5



1 OF 4 DCEHS APPROVAL

[illegible]



LANDSCAPING NOTES

- THE WORK OF FURNISHING AND PLANTING TREES, SHRUBS AND VINES AS SHOWN ON THE PLANS AND AS APPROVED BY THE PLANNING BOARD WILL BE ACCOMPLISHED IN ACCORDANCE WITH ACCEPTED, ESTABLISHED HORTICULTURAL PRACTICES. ANY CHANGE IN PLANT TYPE, ETC., OR LOCATION REQUIRES THE WRITTEN APPROVAL OF THE PLANNING BOARD.
- PLANTS: COMMON AND SCIENTIFIC NAMES OF PLANTS SHALL BE IN CONFORMITY WITH SPN (STANDARDIZED PLANT NAMES). PLANTS INCLUDING ROOT SPREAD AND BALL SIZE SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK".
- PLANTS SHALL HAVE A NORMAL HABIT OF GROWTH AND BE TYPICALLY CHARACTERISTIC OF THEIR RESPECTIVE KINDS.
- PLANTS SHALL BE FREE FROM INJURY, INSECT DAMAGE, AND DISEASE.
- CONTAINER GROWTH PLANTS SHALL HAVE BEEN GROWN LONG ENOUGH FOR NEW FIBROUS ROOTS TO HAVE DEVELOPED. SHRUBS AND VINES SHALL HAVE GOOD FIBROUS ROOT SYSTEMS.
- NO PLANTING WILL BE DONE WHEN THERE ARE UNSATISFACTORY CONDITIONS AS DETERMINED BY THE ARCHITECT.
- ROCK OR OTHER UNDERGROUND OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH AS DIRECTED BY THE ARCHITECT.
- ALL PLANTS SHALL BE PROTECTED FROM DRYING OUT.
- LOCATIONS OF PLANTINGS SHALL BE MARKED OUT ON THE GROUND BY THE CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT.
- ALL PLANTS SHALL BE SET IN ACCORDANCE WITH GOOD ESTABLISHED HORTICULTURAL PRACTICE.
- ALL PLANTS SHALL BE PLUMB AT SUCH A LEVEL THAT AFTER SETTLEMENT THEY BEAR THE SAME RELATIONSHIP TO THE LEVEL OF THE SURROUNDING GROUND AS THE BORE TO THE GROUND FROM WHICH THEY WERE DUG UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.
- BACKFILL SHALL BE THOROUGHLY SETTLED BY TAMPING. BACKFILL IS TO BE PLACED INTO PLANT PITS IN LAYERS NOT TO EXCEED 4" AND TAMPED.
- THOROUGH WATERING SHOULD ACCOMPANY BACKFILL UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. A SAUCER CAPABLE OF HOLDING WATER TO A DEPTH AS SHOWN ON THE PLANS SHALL BE FORMED ABOUT EACH PLANT PIT. ALL PLANTS SHALL BE WATERED TO PROVIDE NOT LESS THAN FIVE GALLONS OF WATER PER SQUARE YARD OF PLANT PIT OR BED AREAS.
- ALL CLOTH ROPES, ETC. SHALL BE REMOVED FROM THE TOPS OF BALLS, BUT NOT PULLED OUT FROM UNDER BALLS.
- ALL TRUNKS OF DECIDUOUS TREES SHALL BE WRAPPED WITH A MATERIAL AS APPROVED BY THE ARCHITECT IMMEDIATELY AFTER PLANTING.
- ALL TREES SHALL BE FIRMLY GUYED, STAKED, OR ANCHORED UNLESS OTHERWISE APPROVED.
- PRUNING SHALL BE DONE IN ACCORDANCE WITH ACCEPTED GOOD HORTICULTURAL PRACTICE AS DIRECTED BY THE ARCHITECT.
- MULCHING SHALL COVER THE PLANT PIT OR PLANTING BED TO A DEPTH AS SPECIFIED ON THE PLANS.
- THE AREA DISTURBED BY THE PLANTING OPERATION SHALL BE RESTORED TO AN ORDERLY CONDITION AS APPROVED BY THE ARCHITECT.
- ANTI-DESICCANTS SHALL BE APPLIED TO ALL PLANTINGS ACCORDING TO THE MANUFACTURERS DIRECTIONS. THIS MATERIAL SHALL BE APPLIED TO EVERGREENS WITHIN TWO WEEKS OF PLANTING AND TO DECIDUOUS PLANTINGS PLACED IN THE FALL WHEN AIR TEMPERATURE IS ABOVE 40 DEGREES FAHRENHEIT OR IN THE SPRING WHEN LEAVES HAVE REACHED 75% OF MATURE SIZE.
- ALL DEAD, UNHEALTHY OR BADLY IMPAIRED PLANTS, AS DETERMINED BY THE ARCHITECT, SHALL BE PROMPTLY REMOVED FROM THE PROJECT.
- IN THE EVENT OF THE THREAT OF SERIOUS DAMAGE FROM INSECTS, DISEASE OR RODENTS, THE PLANTS WILL BE TREATED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE AS APPROVED BY THE ARCHITECT.
- ALL VEGETATION SHOWN ON THIS PLAN SHALL BE MAINTAINED IN A HEALTHY AND VIGOROUS GROWING CONDITION THROUGHOUT THE DURATION OF THE PROPOSED USE. ALL VEGETATION NOT SO MAINTAINED SHALL BE REPLACED WITH NEW COMPARABLE VEGETATION AT THE BEGINNING OF THE NEW GROWING SEASON.
- ALL PLANTED AREAS WHERE TREES AND/OR SHRUBS ARE INDICATED, TO HAVE BEDS OF WHITEWASHED STONE OR PINE BARK CHIPS AS NOTED ON PLANS.
- ALL REMAINING AND DISTURBED AREAS NOT PAVED OR BEING PLANTED WITH TREES OR SHRUBS SHALL BE SEEDED AND MULCHED.
- CONTRACTOR TO BE RESPONSIBLE FOR BRINGING TOPSOIL TO SITE AS NECESSARY FOR PROPER SEEDING AND PLANTING.
- ALL PLANTING SHALL BE GUARANTEED BY CONTRACTOR A MINIMUM OF ONE YEAR AND BE REPLACED AS NECESSARY.
- FERTILIZE AND/OR FEED ALL PLANTINGS AS RECOMMENDED.
- AFTER SEEDING GERMINATES, CONTRACTOR TO BE RESPONSIBLE FOR RAKING, MULCHING, RE-SEEDING AS NECESSARY AND MAINTAINING LAWN FOR A PERIOD OF ONE MONTH AFTER GERMINATION AND TO ARCHITECT'S SATISFACTION.

PLANTING SCHEDULE

MARK	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
Ar	2	ACER RUBRUM	RED MAPLE	2 3/4"-3"C
Cf	4	CORNUS FLORIDA	FLOWERING DOGWOOD	2 1/2"
Cc	5	CERCIC CANADENSIS	ROSEBUD	2 1/2"

- THE DWARF ENGLISH BOXWOOD AND BELLA BELLISIMA TO BE KEPT AT A HEIGHT OF NO GREATER THAN 30" ABOVE FINISHED GRADE AND SHOULD BE TRIMMED REGULARLY.

BIORETENTION AREA SCHEDULE

MARK	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	SIZE
CA	3	CORANUS AMONIUM	SILKY DOGWOOD	10 FT (MIN)	#5 POT
PV	80	PANICUM VIRGATUM	SWITCHGRASS	18 IN (MIN)	#3 POT
VD	6	VIRURNUM DENTATUM	ARROWWOOD VIBURNUM	10 FT (MIN)	#10 POT

- CONSERVATION MIX SHALL BE NEW ENGLAND CONSERVATION/WILDLIFE MIX BY NEW ENGLAND WETLAND PLANTS, INC. (WWW.NEWP.COM).
- SWITCH GRASS SHALL BE SPACED 10' O.C. OVER THE ENTIRE BOTTOM OF THE BIORETENTION AREA (170 CONTOUR).

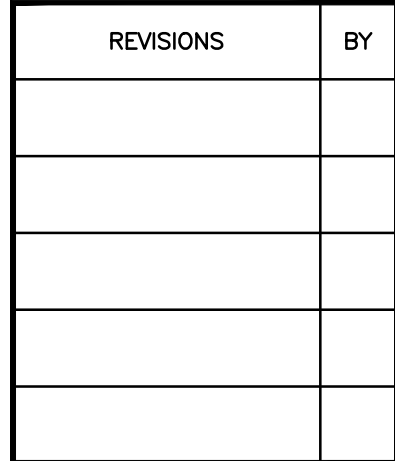
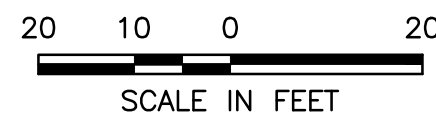
REVISIONS	BY

ALFRED A. CAPELLI Jr., AIA
ARCHITECT

PROPOSED LIQUID PROPANE STORAGE FACILITY
DOWNEY ENERGY
1095 OLD ROUTE 9 TOWN OF WAPPINGER, N.Y.

LANDSCAPING PLAN & NOTES

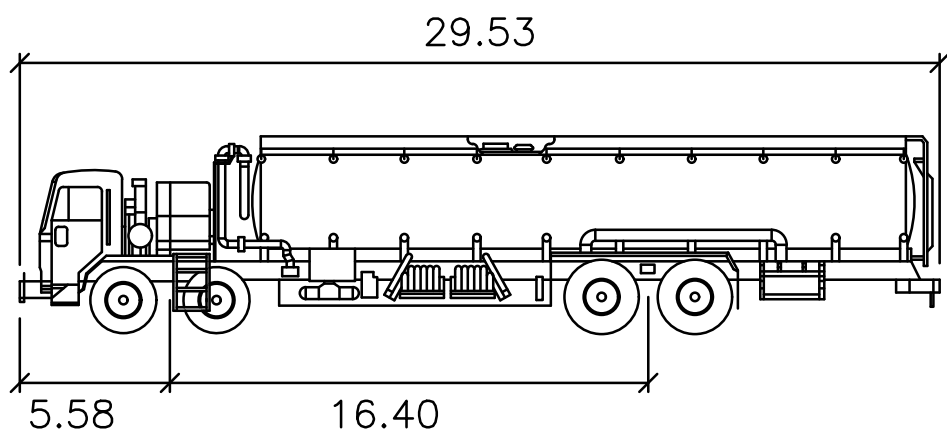
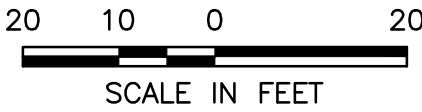
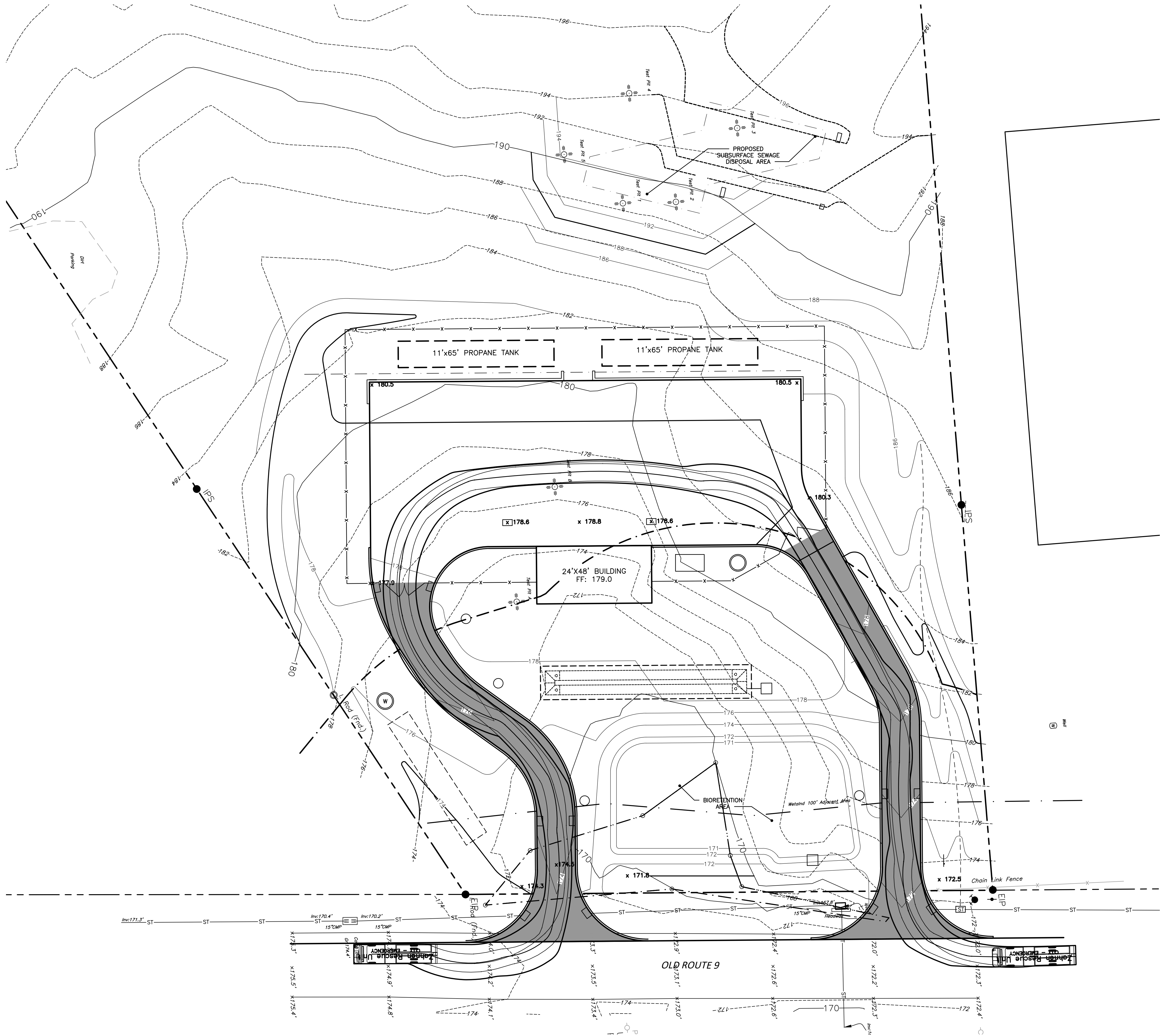
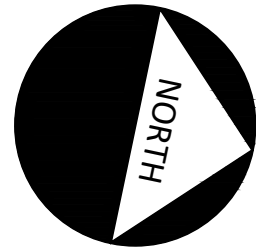
DATE	5/1/2023
SCALE	1" = 20'
DRAWN	MO
JOB	19-013
SHEET	S-7



11136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500
acappe2102@aol.com

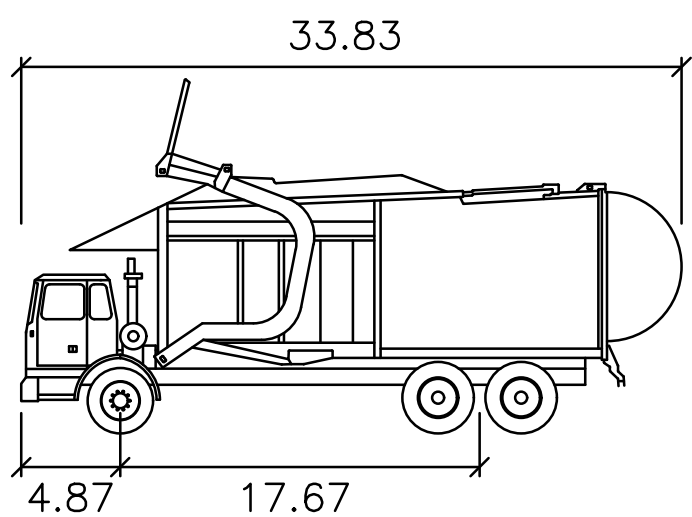
PHOTOMETRIC PLAN

S-8



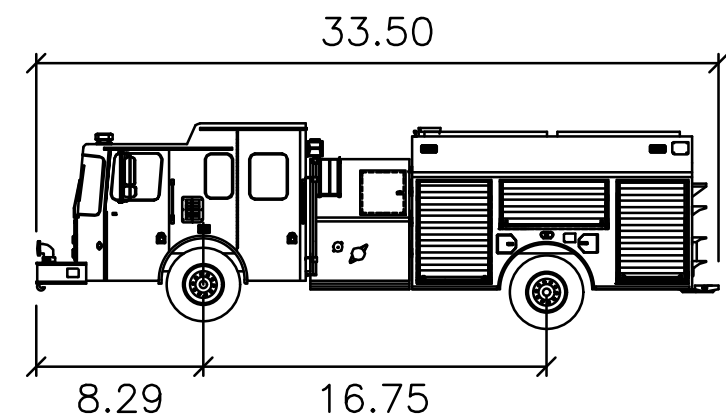
Fuel Truck

	feet
Width	: 8.20
Track	: 8.20
Lock To Lock Time	: 6.0
Steering Angle	: 39.5



Wayne Titan

	feet
Width	: 8.46
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 45.0



Smeal Pumper CAFS

	feet
Width	: 8.17
Track	: 7.94
Lock to Lock Time	: 6.0
Steering Angle	: 45.0

REVISIONS	BY

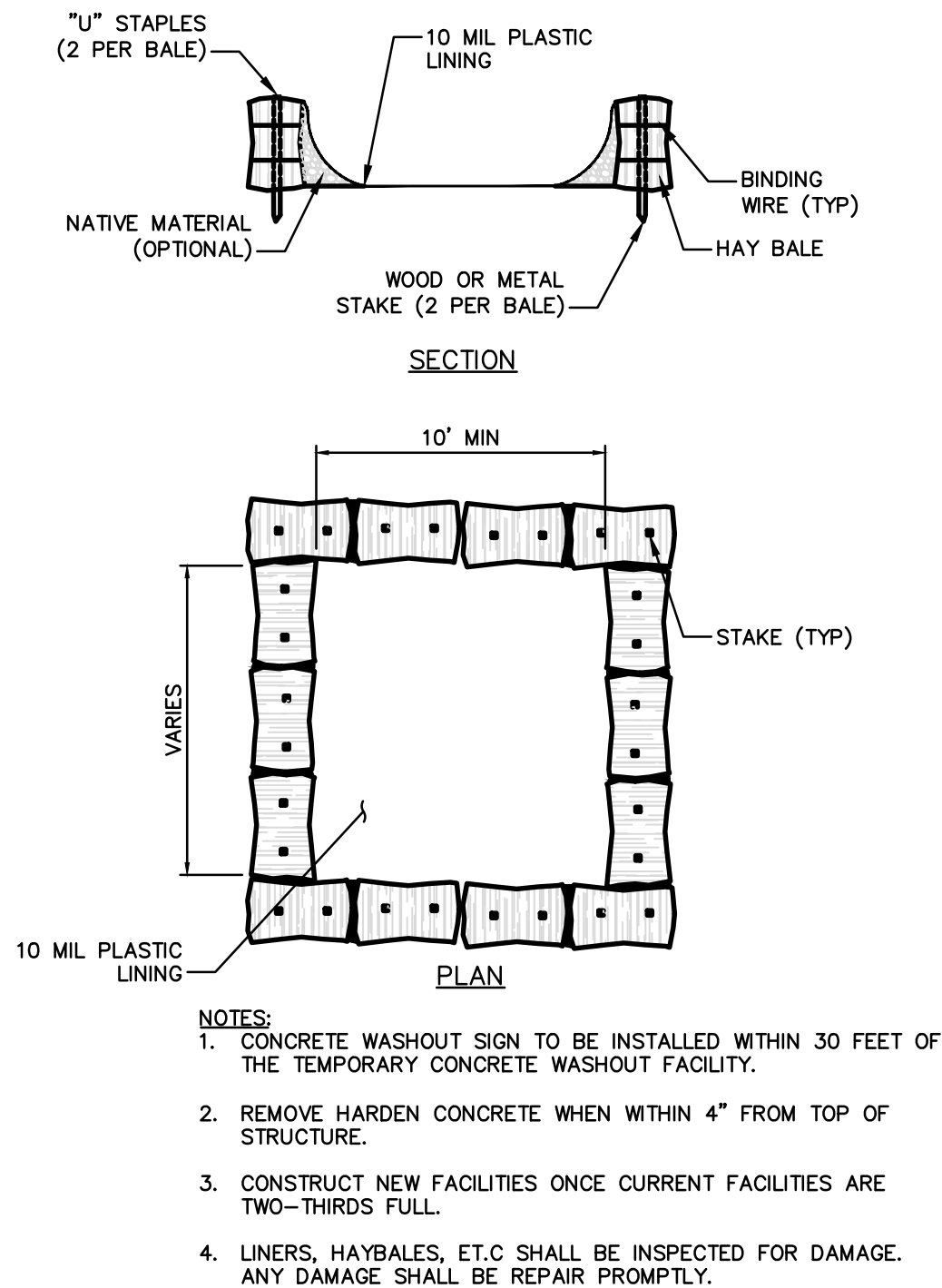
ALFRED A. CAPELLI Jr., AIA
ARCHITECT

PROPOSED LIQUID PROPANE STORAGE FACILITY
DOWNEY ENERGY
199 OLD ROUTE 9 TOWN OF WAPPINGER, N.Y.

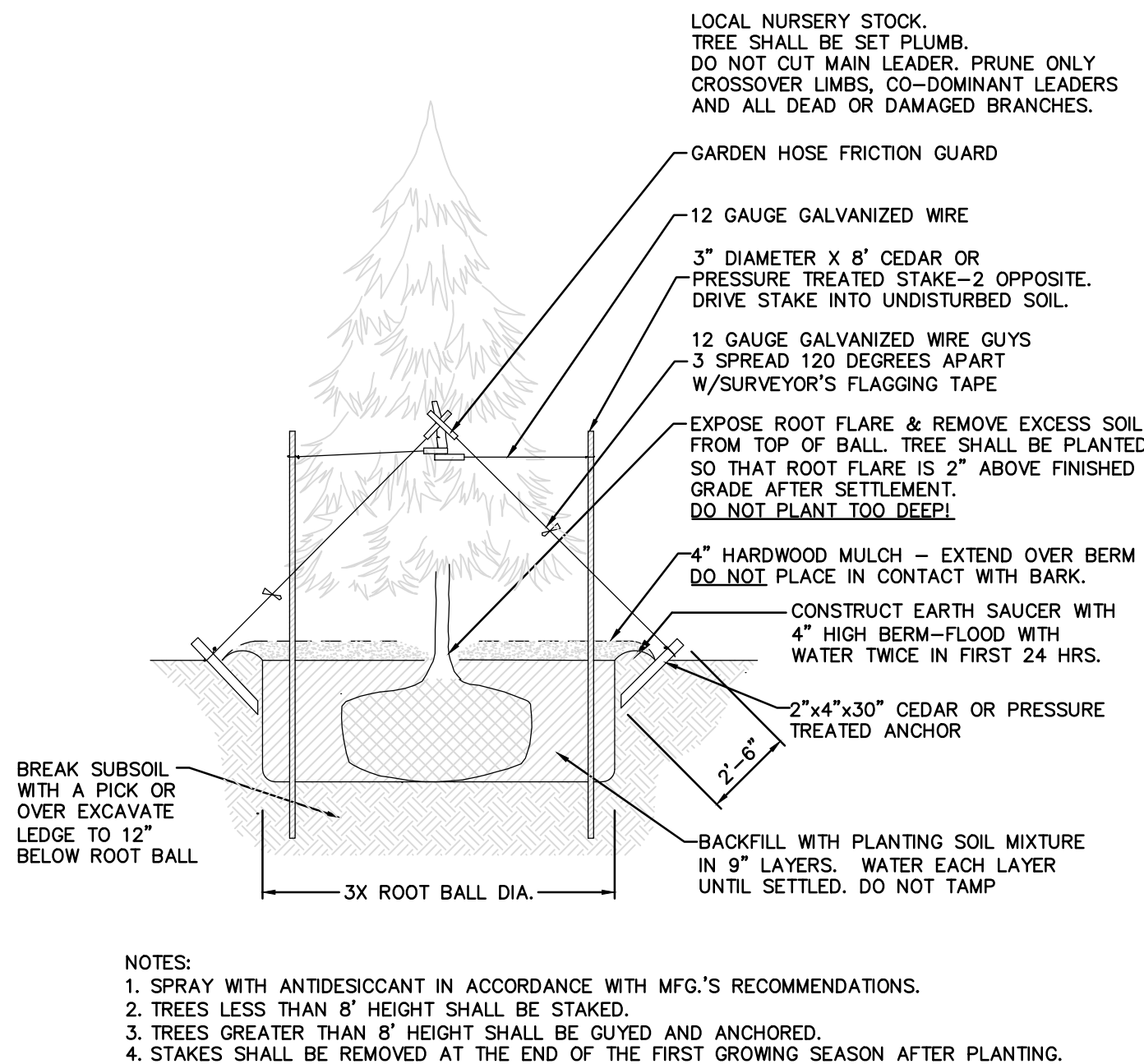
VEHICLE MOVEMENT PLAN

DATE	5/1/2023
SCALE	1" = 20'
DRAWN	MO
JOB	19-013
SHEET	S-9

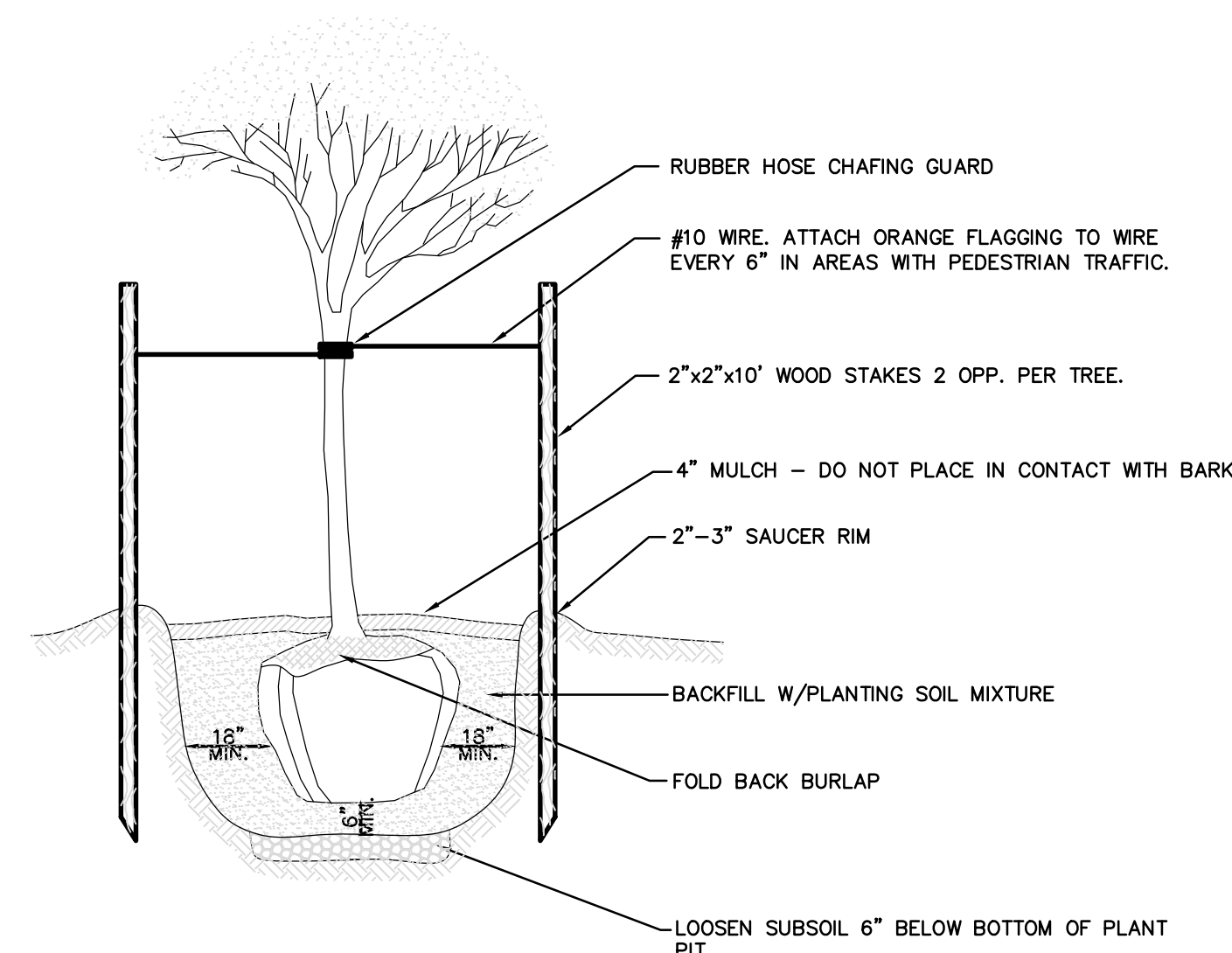
1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500
acappe2102@aol.com



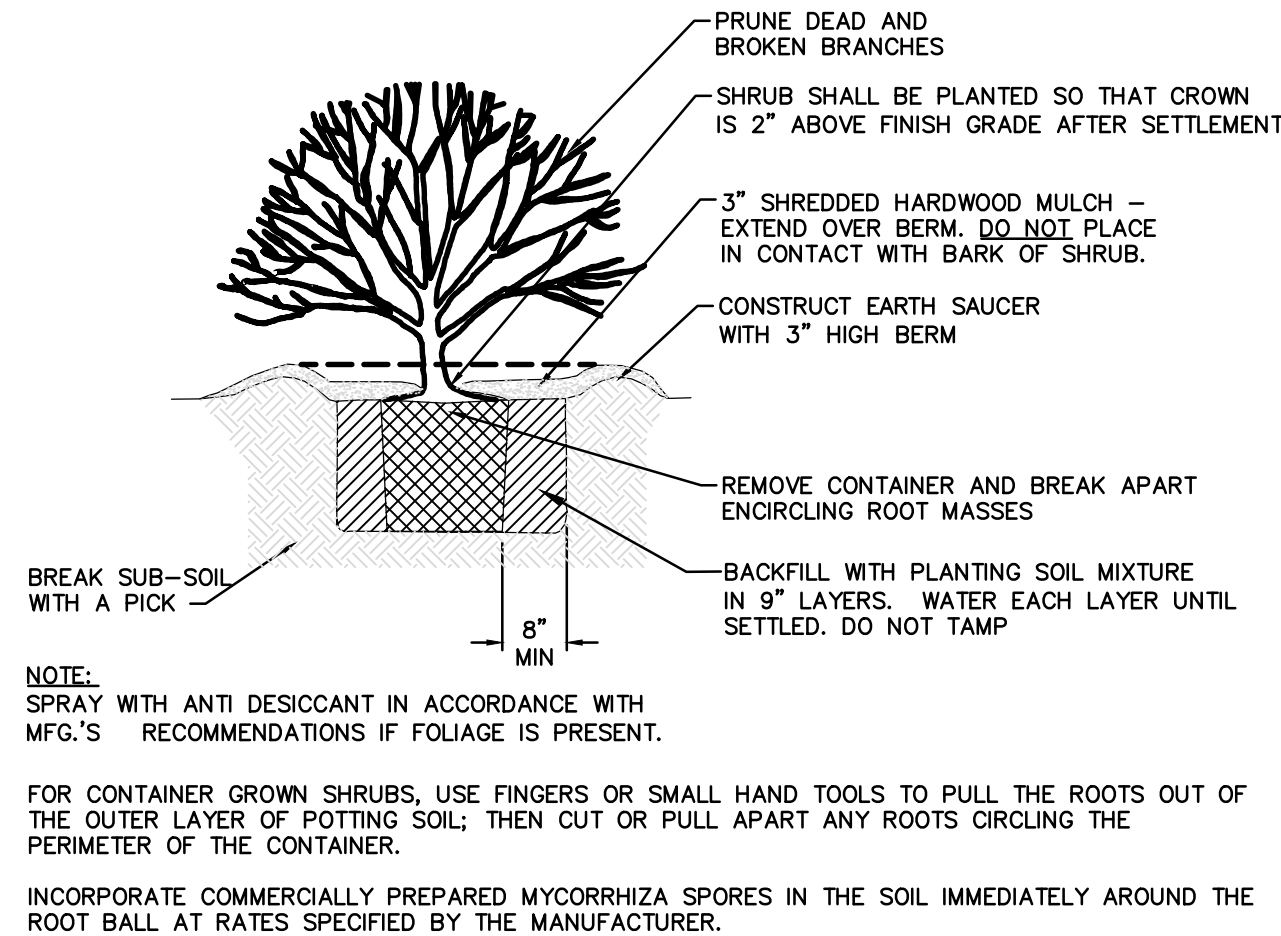
1 ABOVE GROUND TEMPORARY CONCRETE WASHOUT FACILITY
NOT TO SCALE



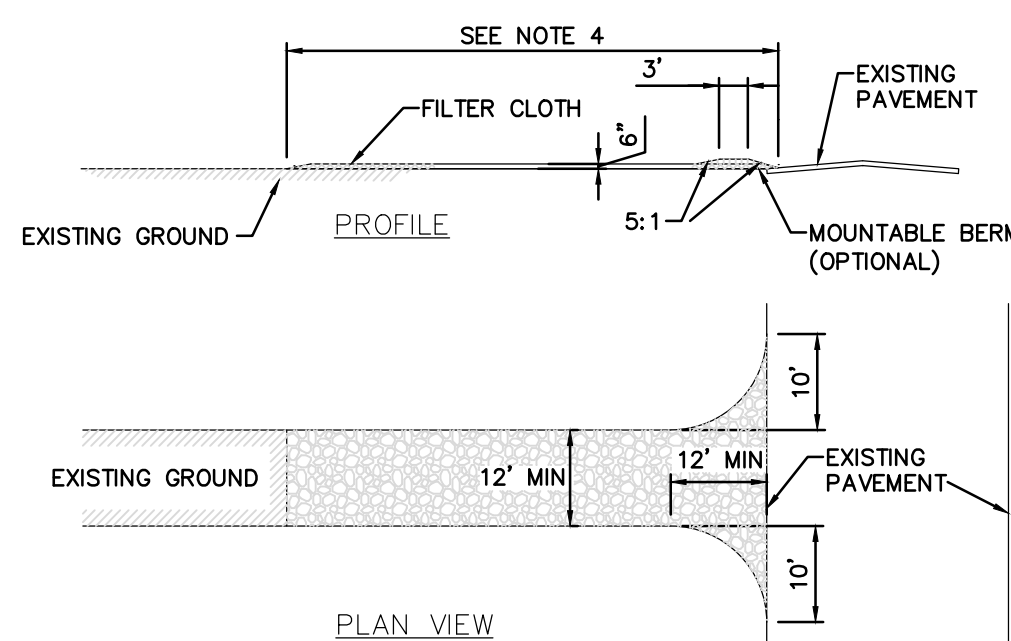
2 EVERGREEN TREE PLANTING
NOT TO SCALE



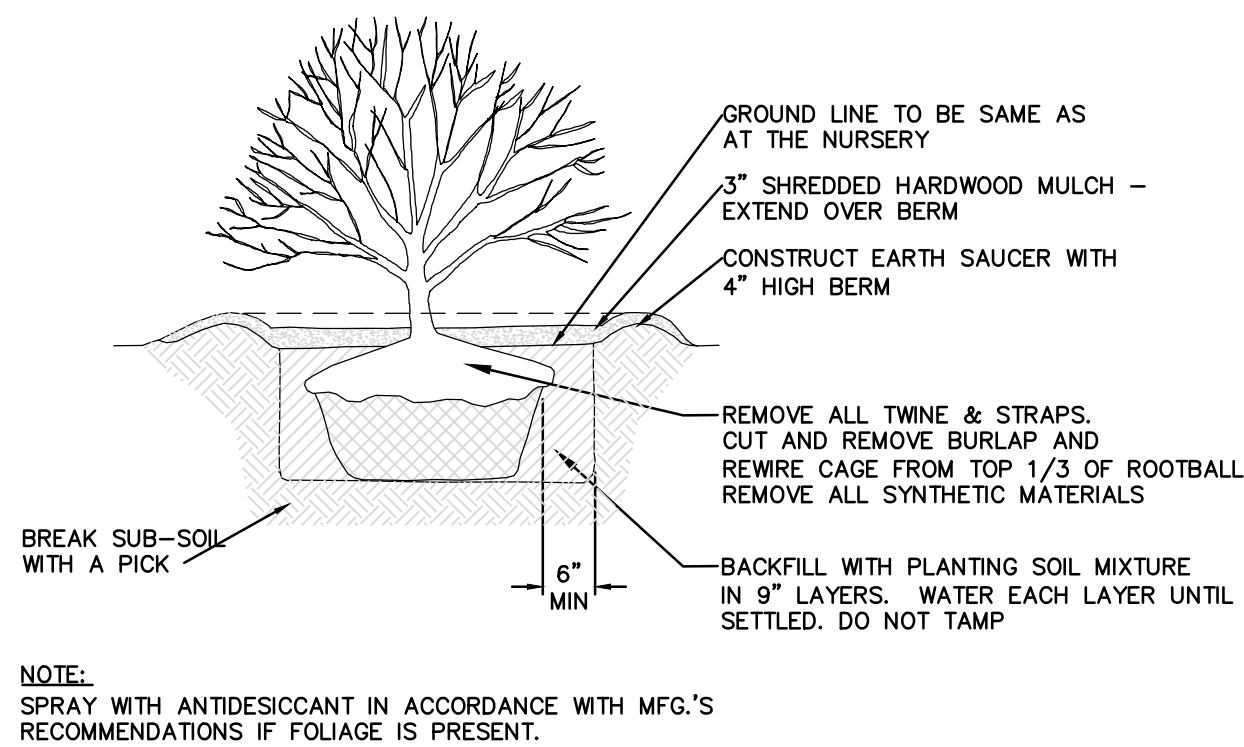
3 DECIDUOUS TREE
NOT TO SCALE



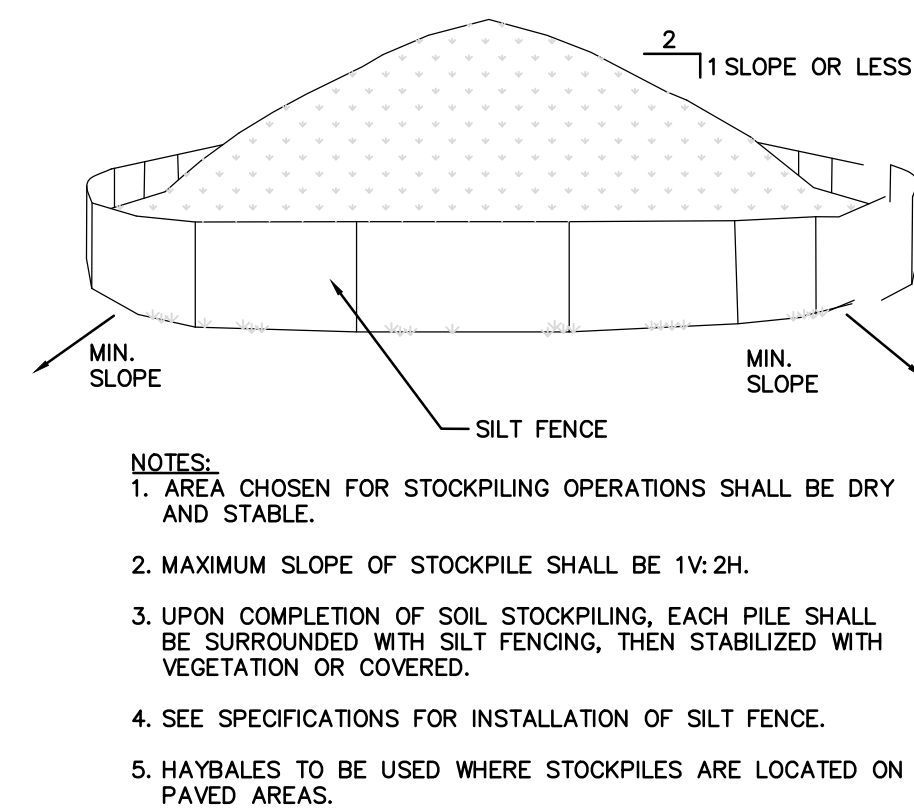
4 SHRUB PLANTING DETAIL FOR CONTAINERIZED SHRUBS
NOT TO SCALE



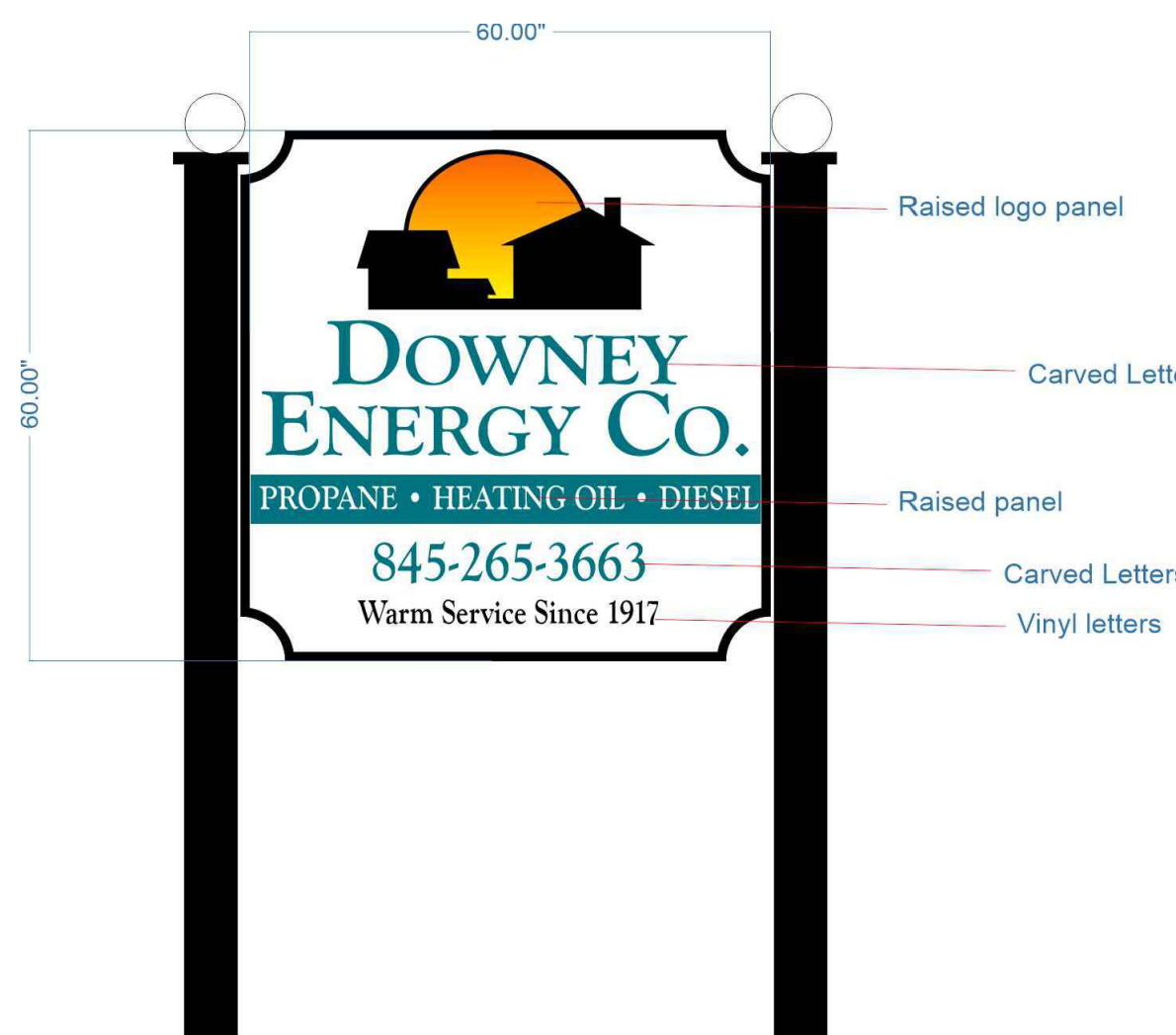
5 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



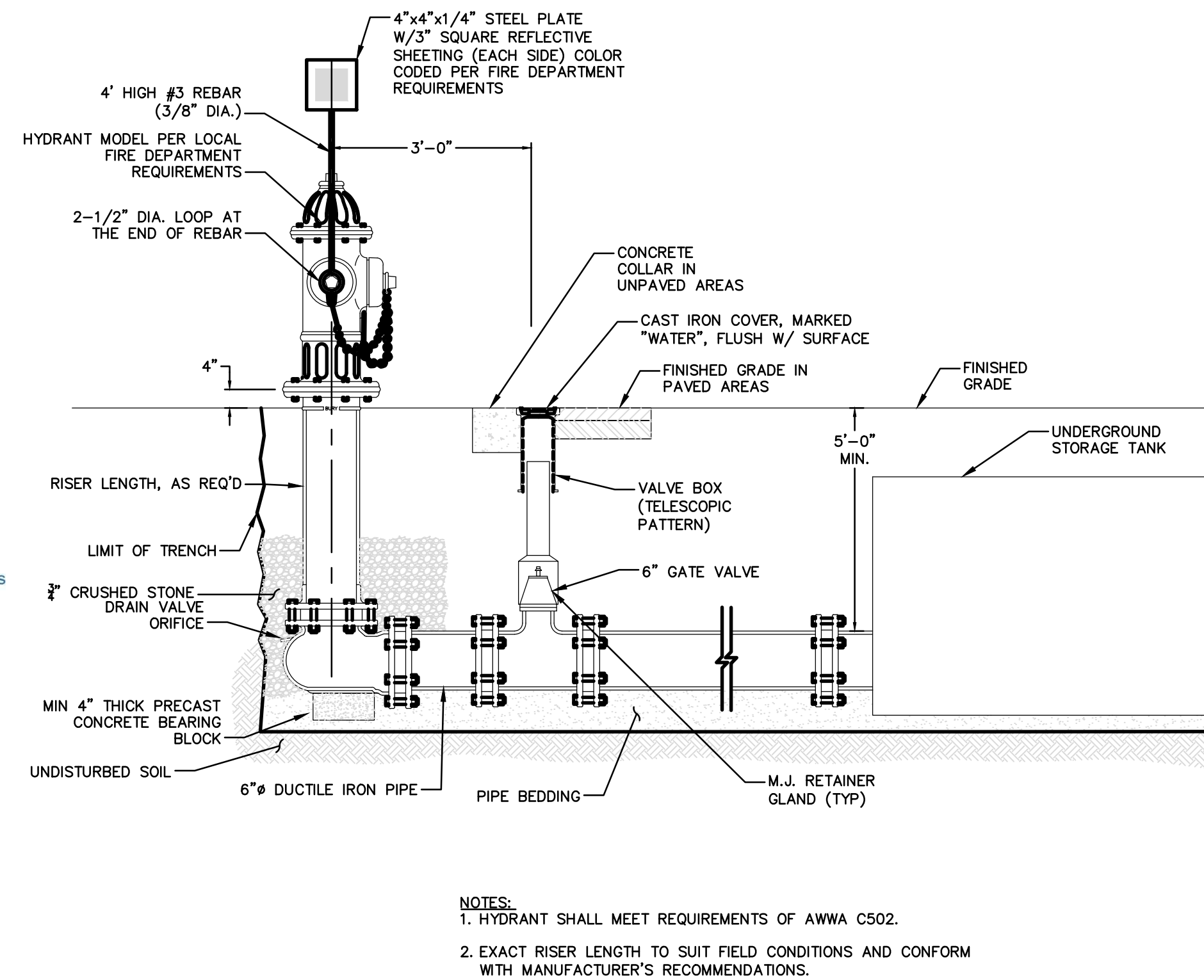
6 SHRUB PLANTING DETAIL FOR ALL SHRUBS BALLED & BURLAPPED
NOT TO SCALE



7 TEMPORARY SOIL STOCKPILE
NOT TO SCALE



8 ENTRANCE SIGN
NOT TO SCALE



9 HYDRANT ASSEMBLY
NOT TO SCALE

REVISIONS	BY

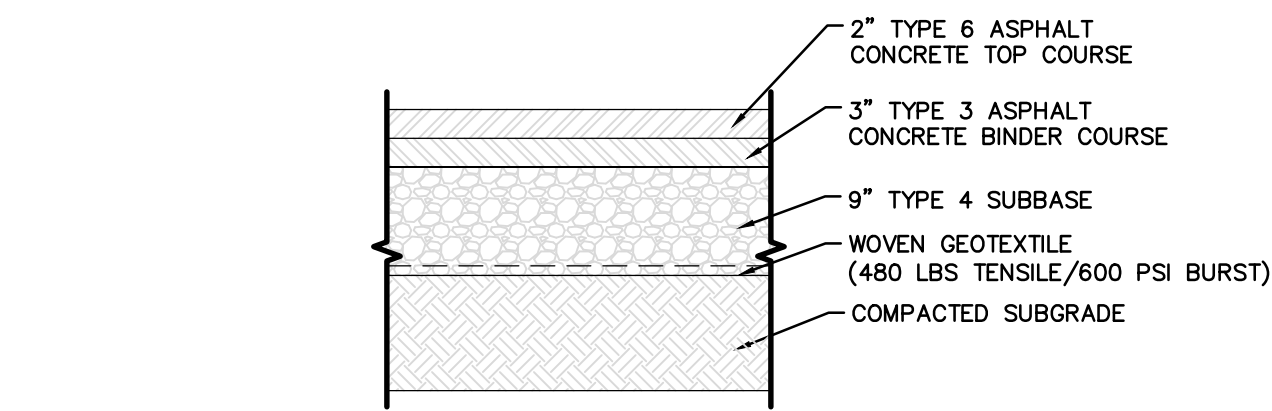
ALFRED A. CAPELLI Jr., AIA
ARCHITECT

1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500
acappe2102@aol.com

PROPOSED LIQUID PROPANE STORAGE FACILITY
DOWNEY ENERGY
TOWN OF WAPPINGER, N.Y.
199 OLD ROUTE 9

SITE DETAILS

DATE	5/1/2023
SCALE	AS SHOWN
DRAWN	MO
JOB	19-013
SHEET	S-10

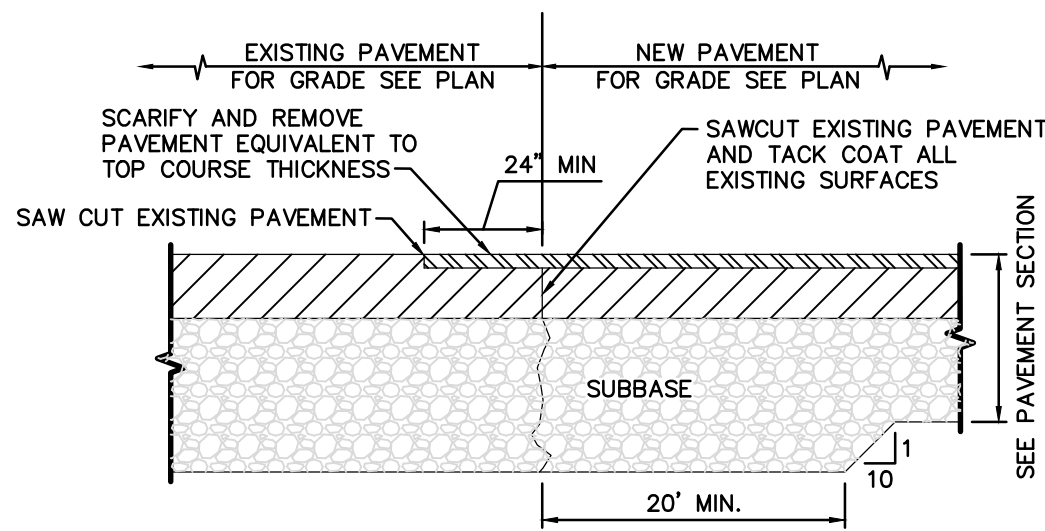


NOTES:

1. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JANUARY 2, 2008, AND ALL ADDENDA THERETO; THE ONLY EXCEPTION BEING THAT THE WORK OF THIS CONTRACT SHALL BE MEASURED IN ENGLISH UNITS.
2. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 - SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
3. TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 407-TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
4. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS

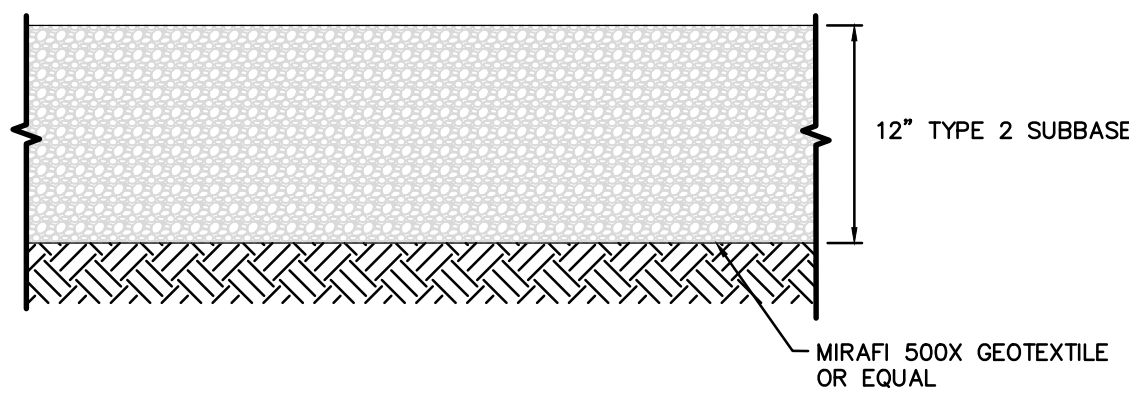
1 ASPHALT PAVEMENT SECTION

NOT TO SCALE



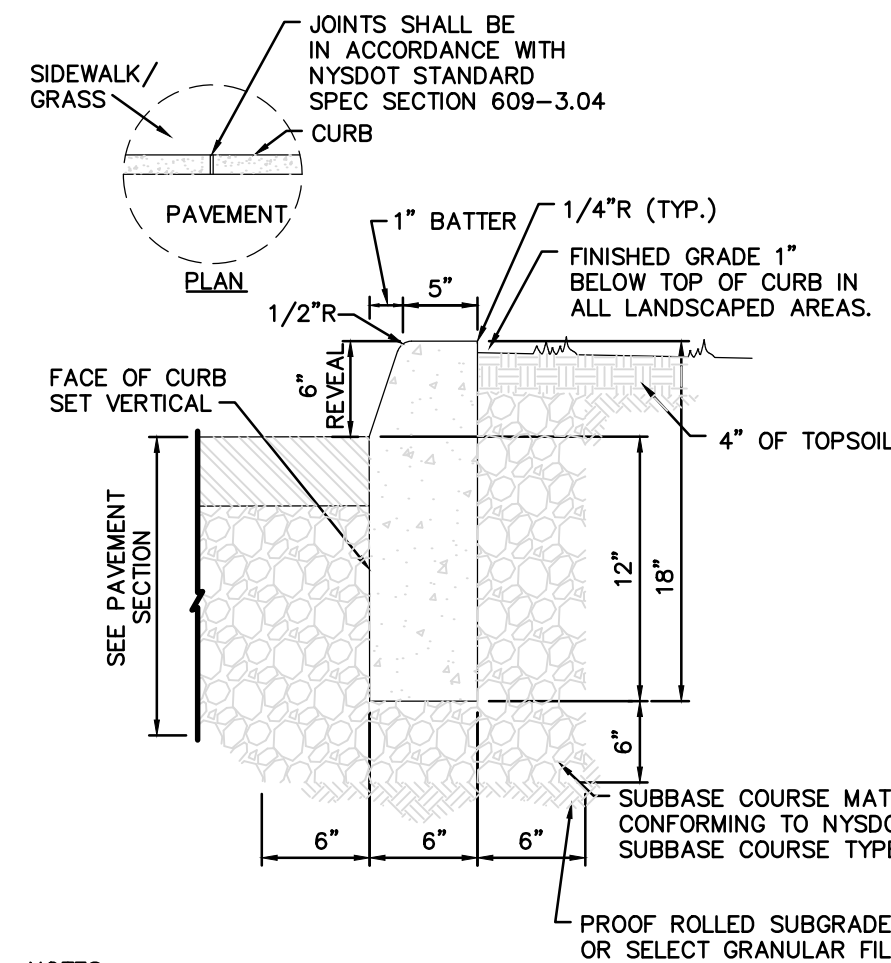
2 PAVEMENT TRANSITION (SAWCUT)

NOT TO SCALE



3 GRAVEL PAVING

NOT TO SCALE

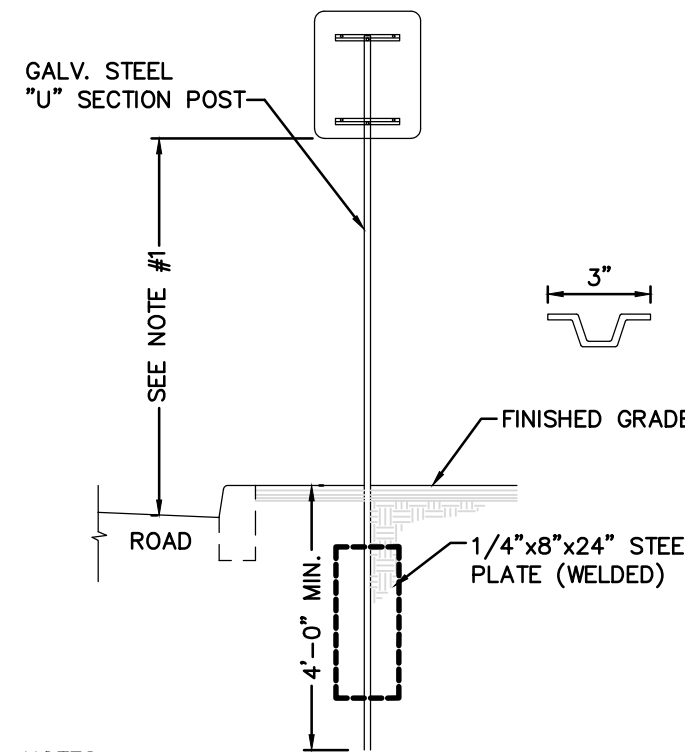


NOTES:

1. CONCRETE CURB SHALL BE IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 609.
2. PRECAST CONCRETE CURB MAY BE SUBSTITUTED WHEN ALTERNATE CONSTRUCTION DETAILS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

4 SITE CAST IN PLACE CONCRETE CURB

NOT TO SCALE

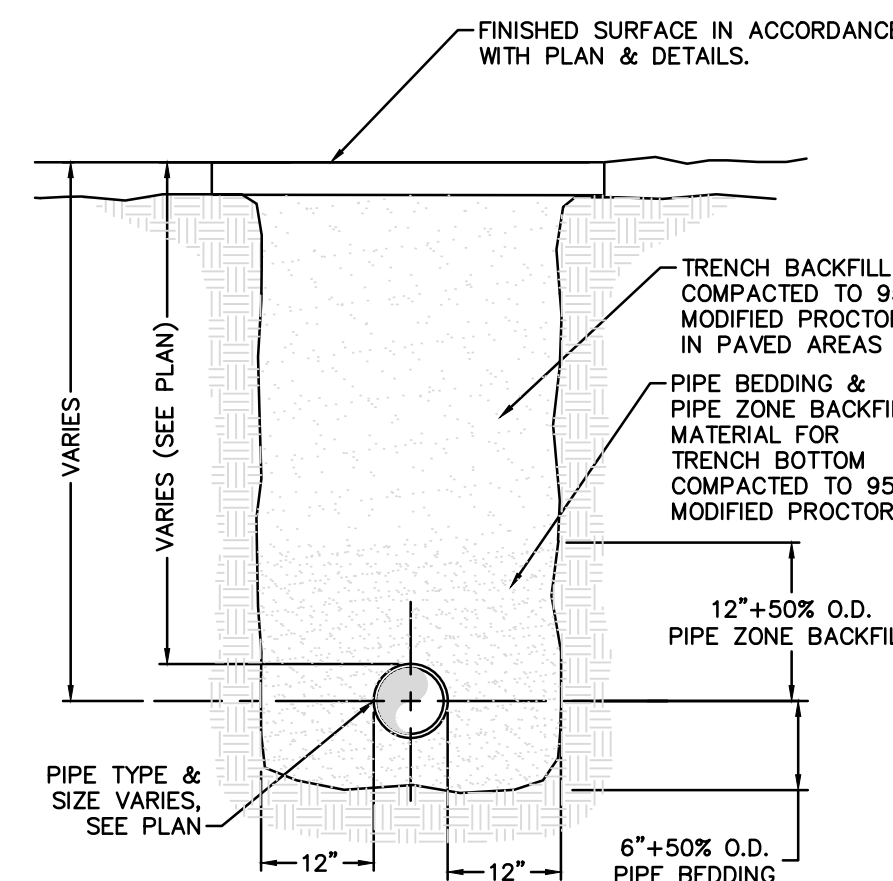


NOTES:

1. SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 7'. MINIMUM MOUNTING HEIGHT MAY BE ADJUSTED ONLY IN ACCORDANCE WITH PROVISIONS OUTLINED IN "NYCRR, CHAPTER V-UNIFORM TRAFFIC CONTROL DEVICES."
2. SIGN POST SHALL BE IN ACCORDANCE W/ NYSDOT STANDARD SPECS SECTION 730.

5 SINGLE POST SIGN MOUNTING

NOT TO SCALE



NOTES:

1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION	% PASSING
3/4"	100%
No. 40	0-70%
No. 200	0-10%

2. TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

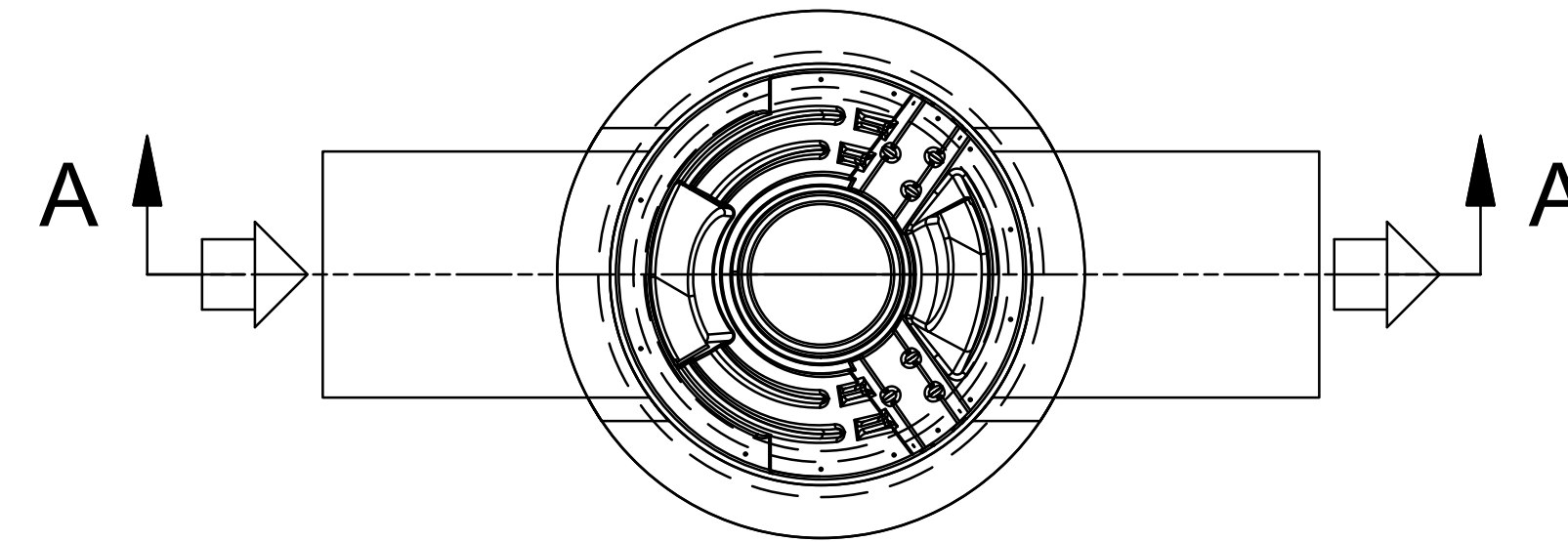
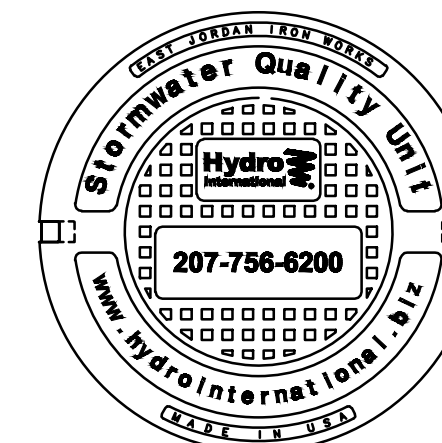
SIEVE DESIGNATION	% PASSING
2"	100%
4"	30-65%
No. 40	5-40%
No. 200	0-15%

3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.

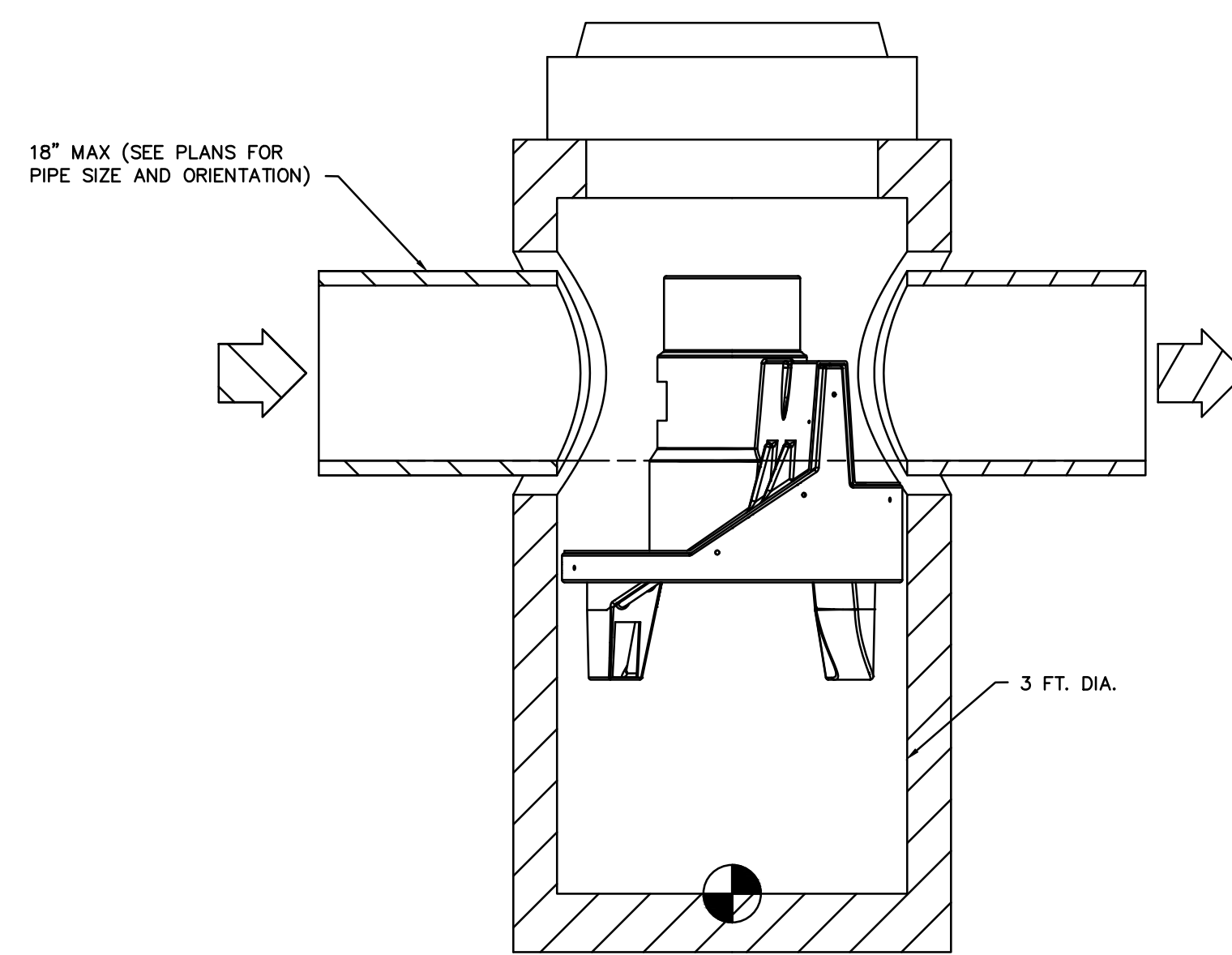
4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

6 STORM PIPE TRENCH

NOT TO SCALE



PLAN



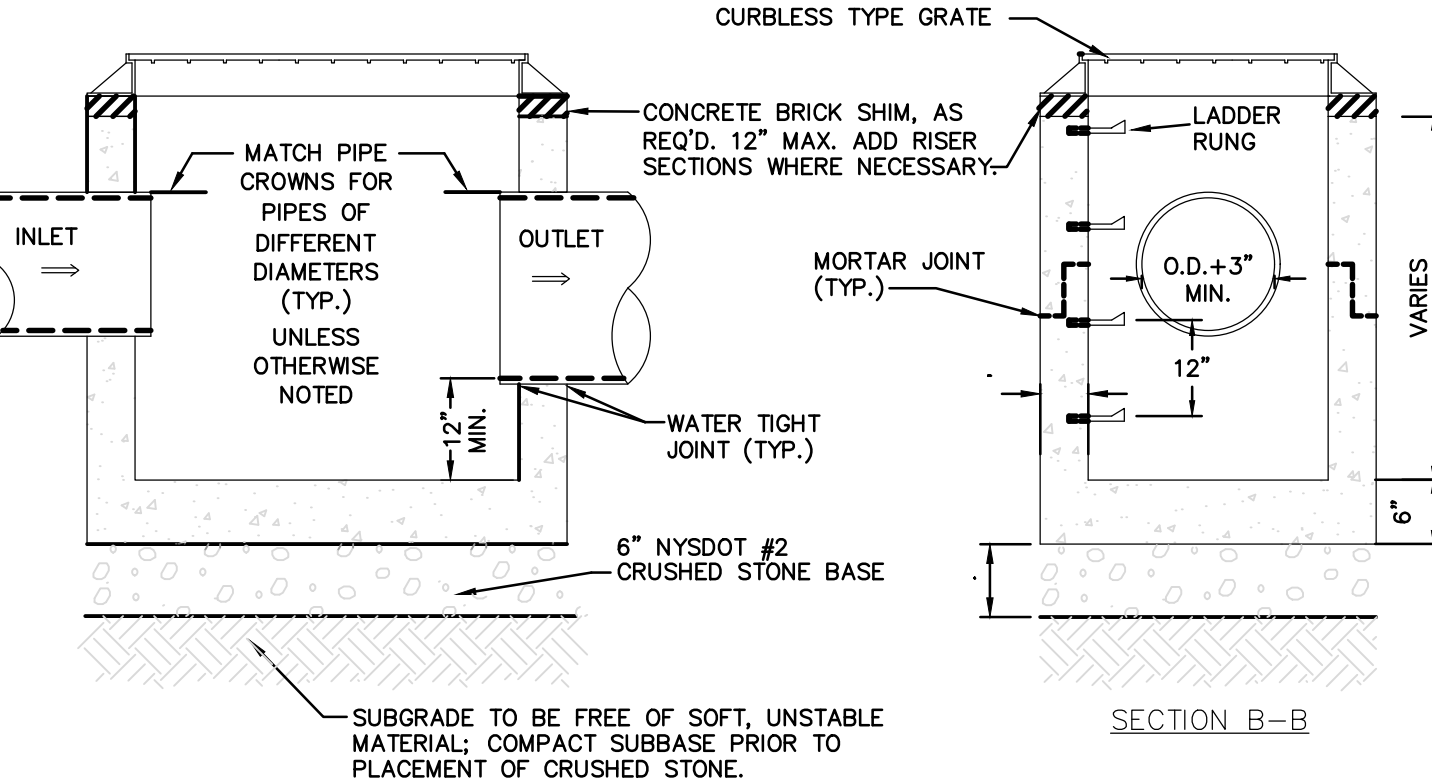
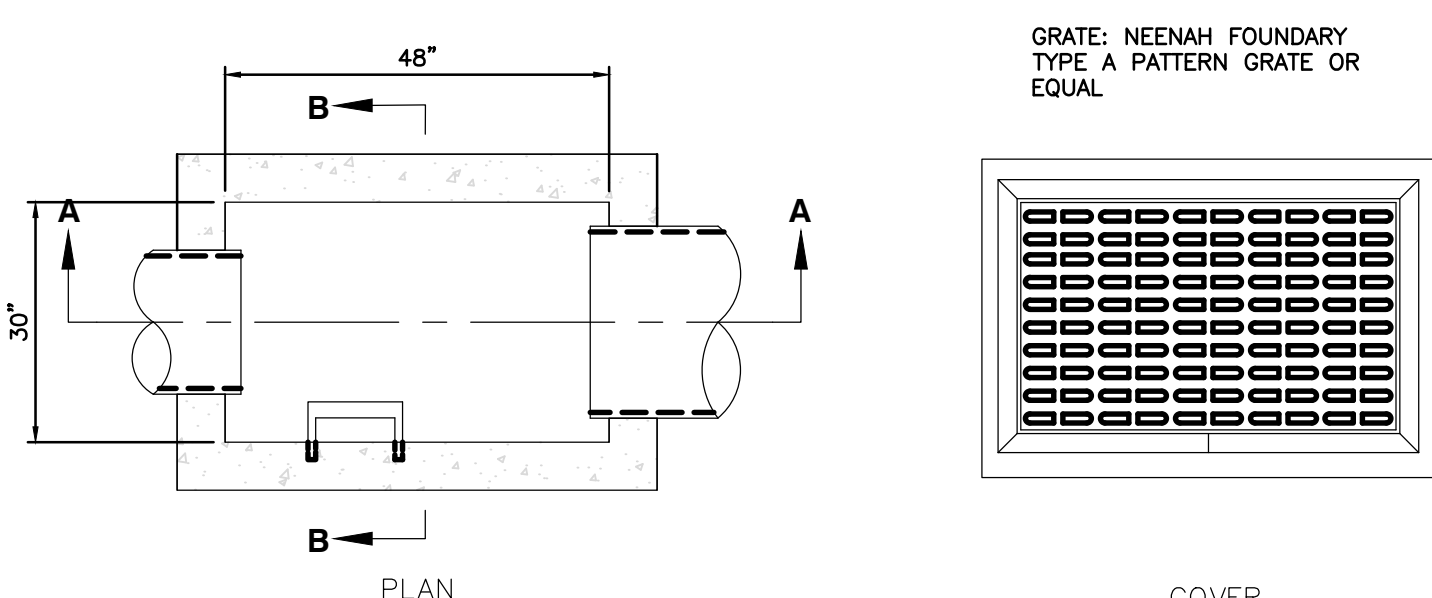
SECTION A-A

NOTES:

1. UNIT SHALL BE FIRST DEFENCE MODEL FD-3HC BY HYDRO INTERNATIONAL, HYDRO-INT.COM.

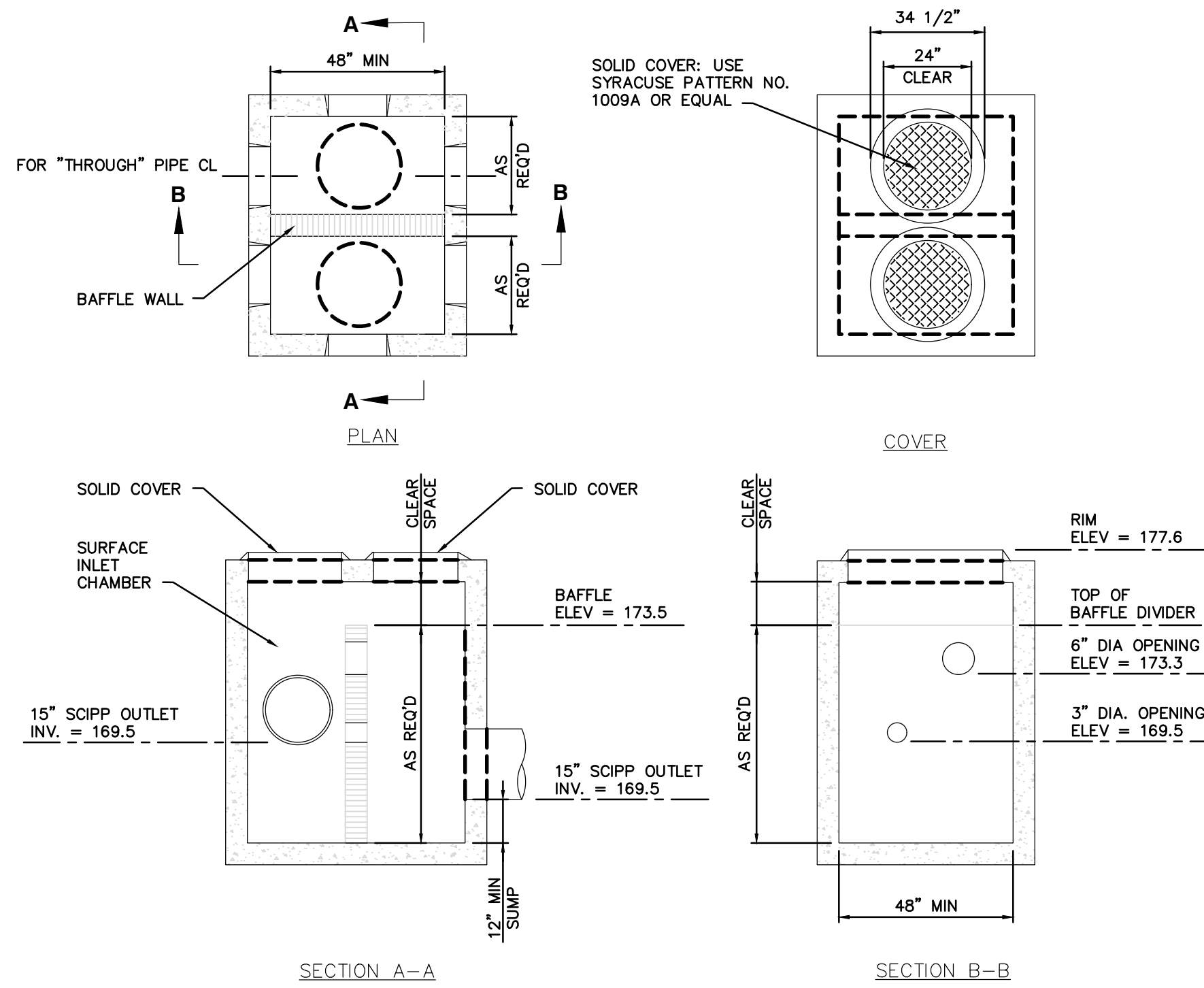
9 PRE-TREATMENT CHAMBER

NOT TO SCALE



7 PRECAST CONCRETE CATCH BASIN

NOT TO SCALE



NOTES:

1. PIPE PENETRATIONS SHALL BE AS SHOWN ON THE UTILITY PLAN.

8 DETENTION SYSTEM OUTLET STRUCTURE

NOT TO SCALE

REVISIONS	BY

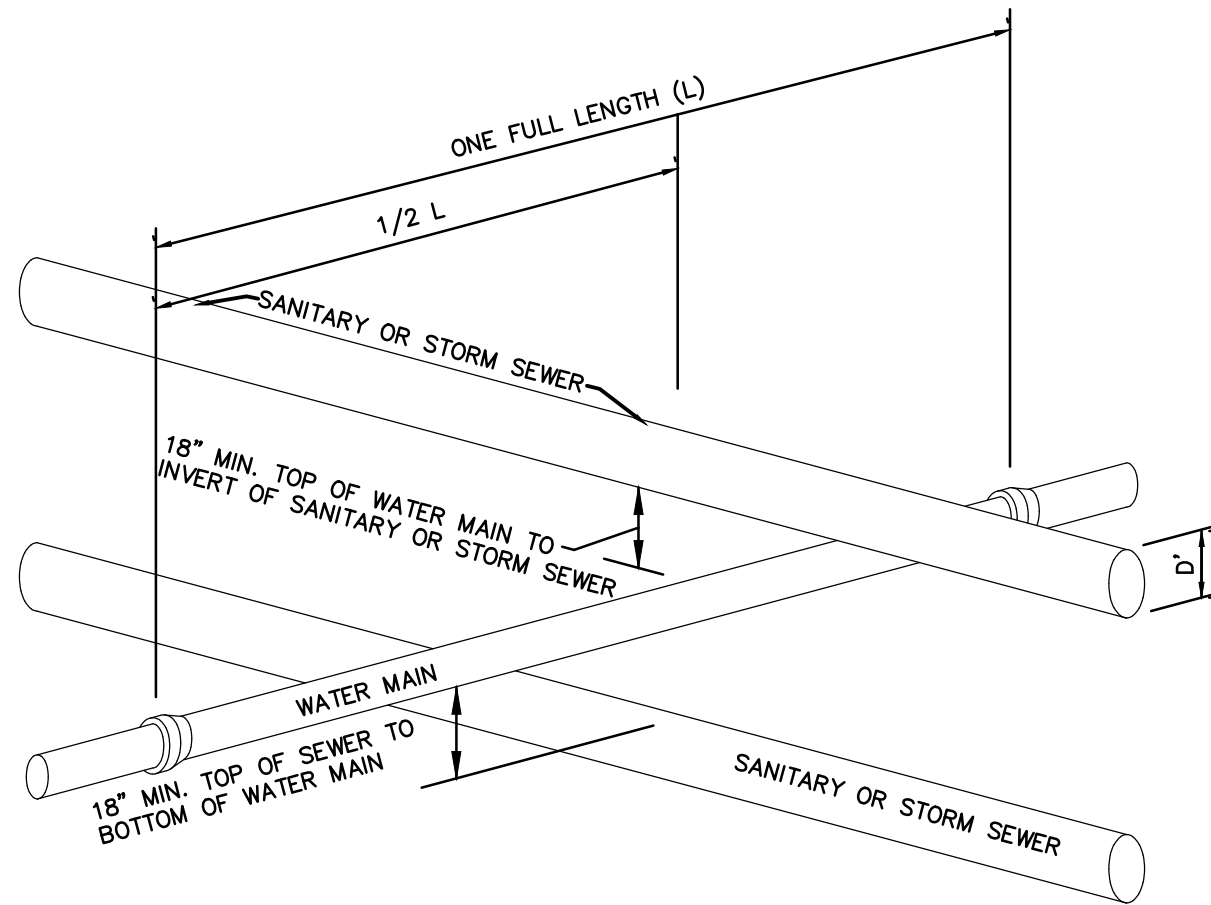
ALFRED A. CAPELLI Jr., AIA
ARCHITECT

1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500
acappe2102@aol.com

PROPOSED LIQUID PROPANE STORAGE FACILITY
DOWNEY ENERGY
TOWN OF WAPPINGER, N.Y.
199 OLD ROUTE 9

SITE DETAILS

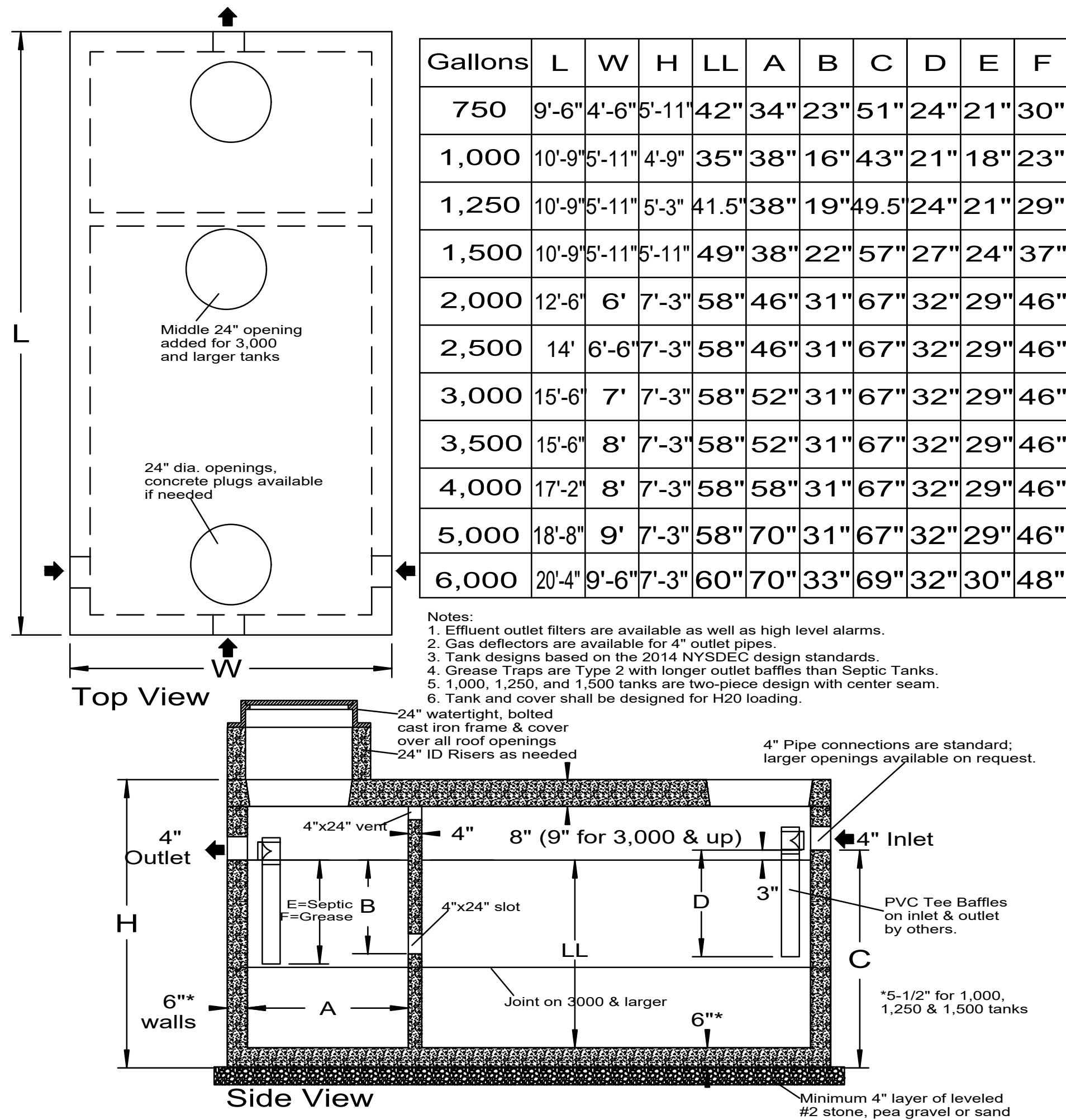
DATE	5/1/2023
SCALE	AS SHOWN
DRAWN	MO
JOB	19-013
SHEET	S-11



- NOTES:**
- IF 18" VERTICAL SEPARATION CANNOT BE ACHIEVED AT LOCATIONS OF WATER MAIN & SEWER CROSSINGS, CONTRACTOR SHALL CONSTRUCT EITHER OF THE FOLLOWING OPTIONS:
 - CONSTRUCT SEWER OF PVC PRESSURE PIPE MATERIAL 10' ON EACH SIDE OF THE WATER MAIN/SEWER.
 - ENCASE SEWER PIPE IN CONCRETE, 4" DISTANCE ON EACH SIDE OF WATER MAIN/SEWER CROSSING. CONCRETE ENCASUREMENT SHALL BE MINIMUM 6" ALL AROUND PROPOSED SEWER PIPE.
 - IF 10' HORIZONTAL SEPARATION CANNOT BE ACHIEVED AT LOCATIONS OF WATER MAIN & SEWER CROSSINGS, THE CONTRACTOR SHALL CONSTRUCT EITHER OF THE FOLLOWING OPTIONS:
 - THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THE 10' HORIZONTAL SEPARATION OR RECONSTRUCTED WITH MECHANICAL JOINT PIPE FOR A DISTANCE OF TEN (10) FEET ON EACH SIDE OF THE SEWER. ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR AWAY FROM THE SEWER AS POSSIBLE (REFER TO THE WATER LINE OFFSET DETAIL ON SHEET C-530).
 - BOTH THE WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT CAST IRON PIPE AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS, OR ENCASED IN CONCRETE IN ACCORDANCE WITH THE NYS HEALTH DEPARTMENT REQUIREMENTS.

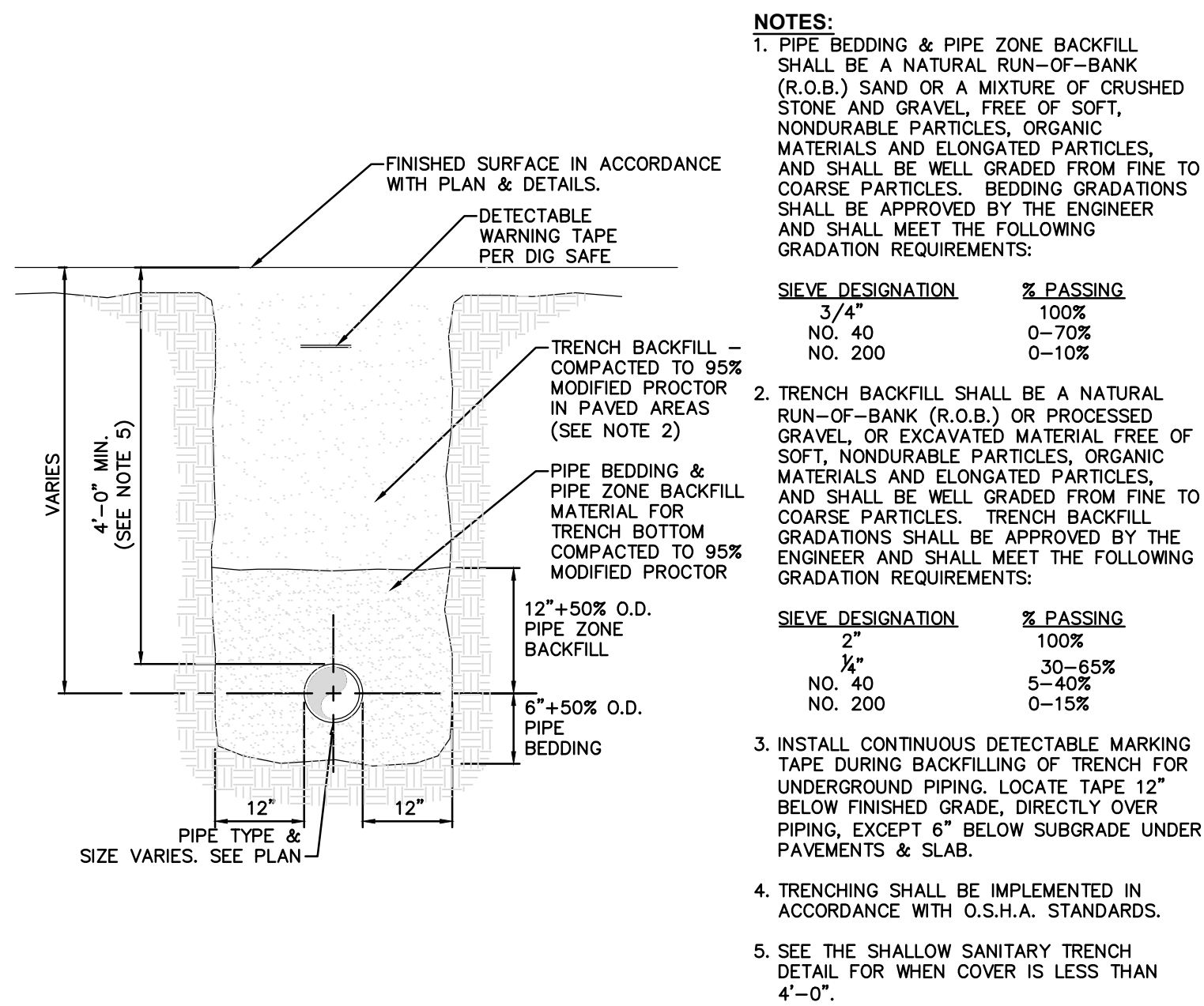
1 WATER/SEWER SEPARATION REQUIREMENTS

NOT TO SCALE



2 1000 GALLON SEPTIC TANK

NOT TO SCALE



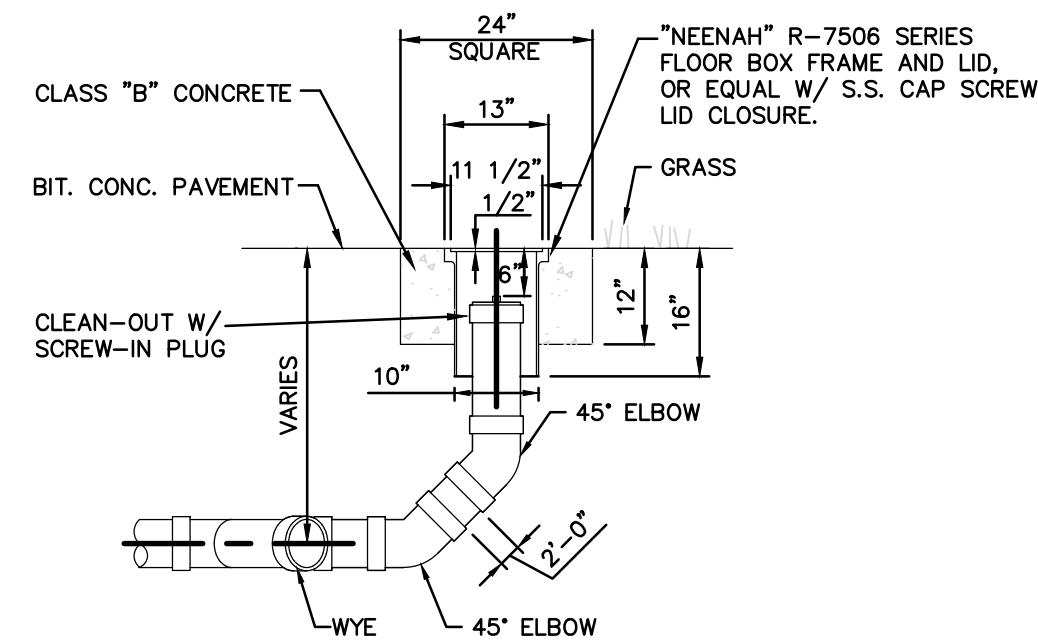
- NOTES:**
- PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION	% PASSING
3/4"	100%
NO. 40	0-70%
NO. 200	0-10%
 - TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION	% PASSING
2"	100%
1/2"	30-65%
NO. 40	5-40%
NO. 200	0-15%
 - INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
 - TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
 - SEE THE SHALLOW SANITARY TRENCH DETAIL FOR WHEN COVER IS LESS THAN 4'-0".

4 SEWER PIPE TRENCH

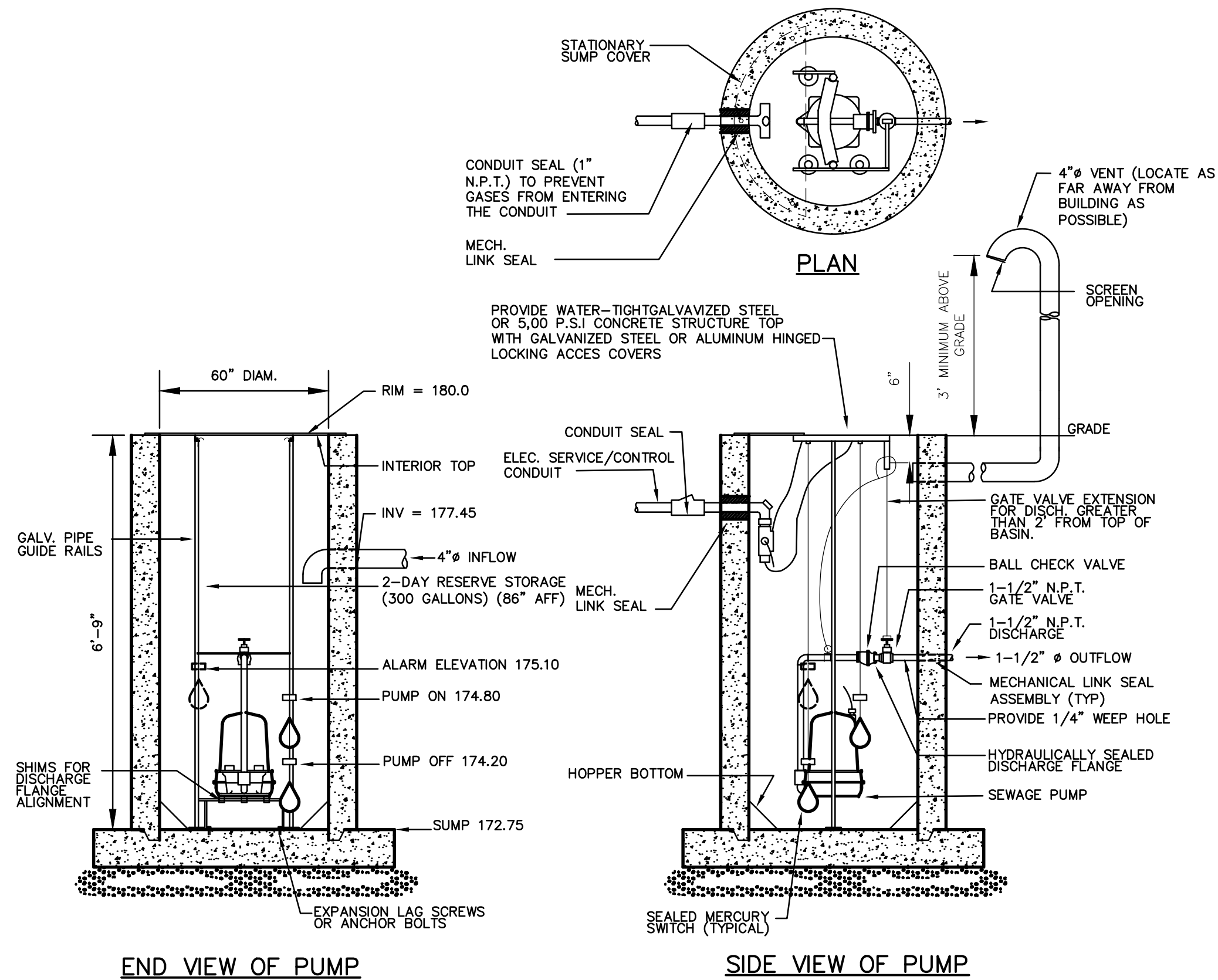
NOT TO SCALE



- NOTES:**
- SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 SDR-35.
 - TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM ROOF DRAINAGE SYSTEM.

5 CLEAN OUT

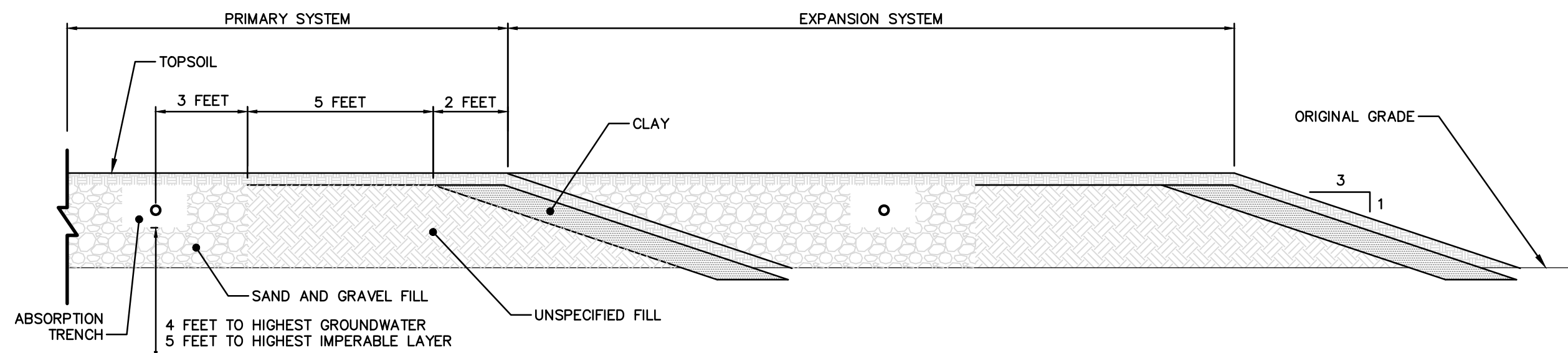
NOT TO SCALE



- NOTES:**
- ALL PUMP STATION COMPONENTS TO BE APPROVED BY PROJECT ENGINEER PRIOR TO INSTALLATION.
 - ELECTRICAL CONTROL UNIT WITH AUDIBLE/VISUAL ALARM & PUMP CONTROLS TO BE LOCATED WITHIN THE BUILDING.
 - THE WET WELL IS SIZED TO PROVIDE HOLDING CAPACITY EQUIVALENT TO 2 DAYS AT THE AVERAGE DAY LOAD OF 300 GALLONS.
 - PUMP SHALL BE GOULDS MODEL 2ED WITH 3.56" IMPELLER, 0.5 HP.
 - ALL ELECTRICAL WORK SHALL CONFORM TO NATIONAL ELECTRIC CODE (NEC) - LATEST EDITION.

3 DOSING CHAMBER

NOT TO SCALE

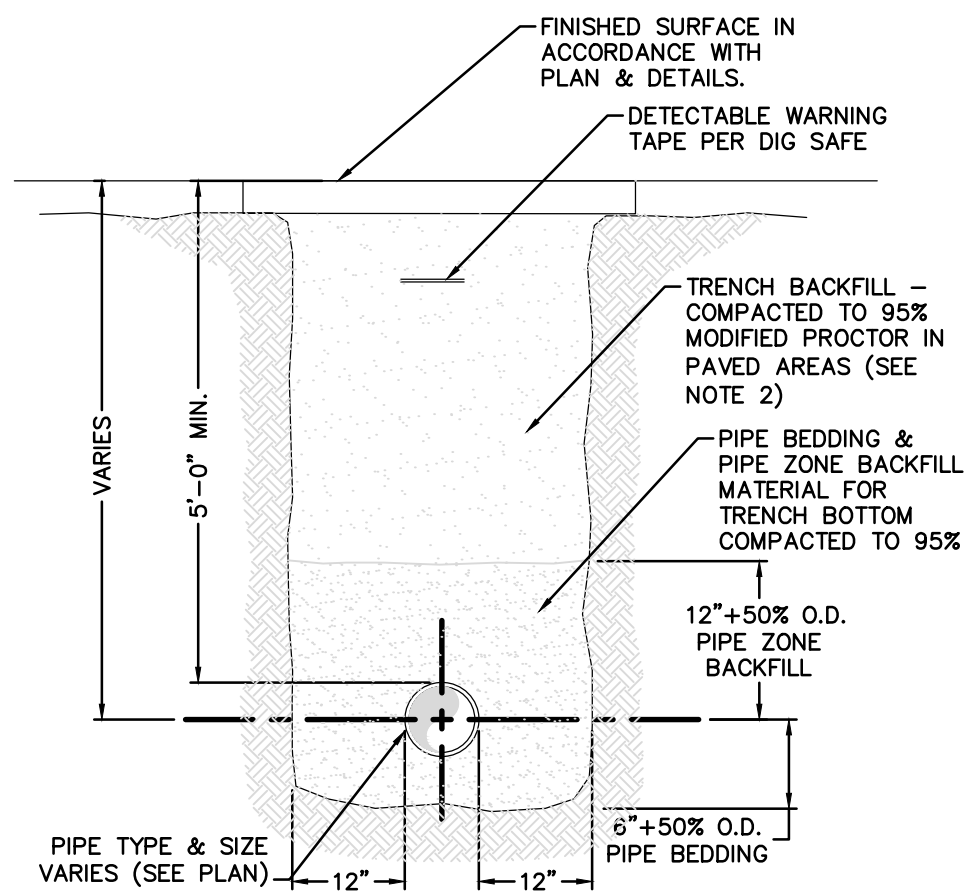


6 SANITARY DISPOSAL FIELD CROSS SECTION

NOT TO SCALE



3 OF 4 DCEHS APPROVAL

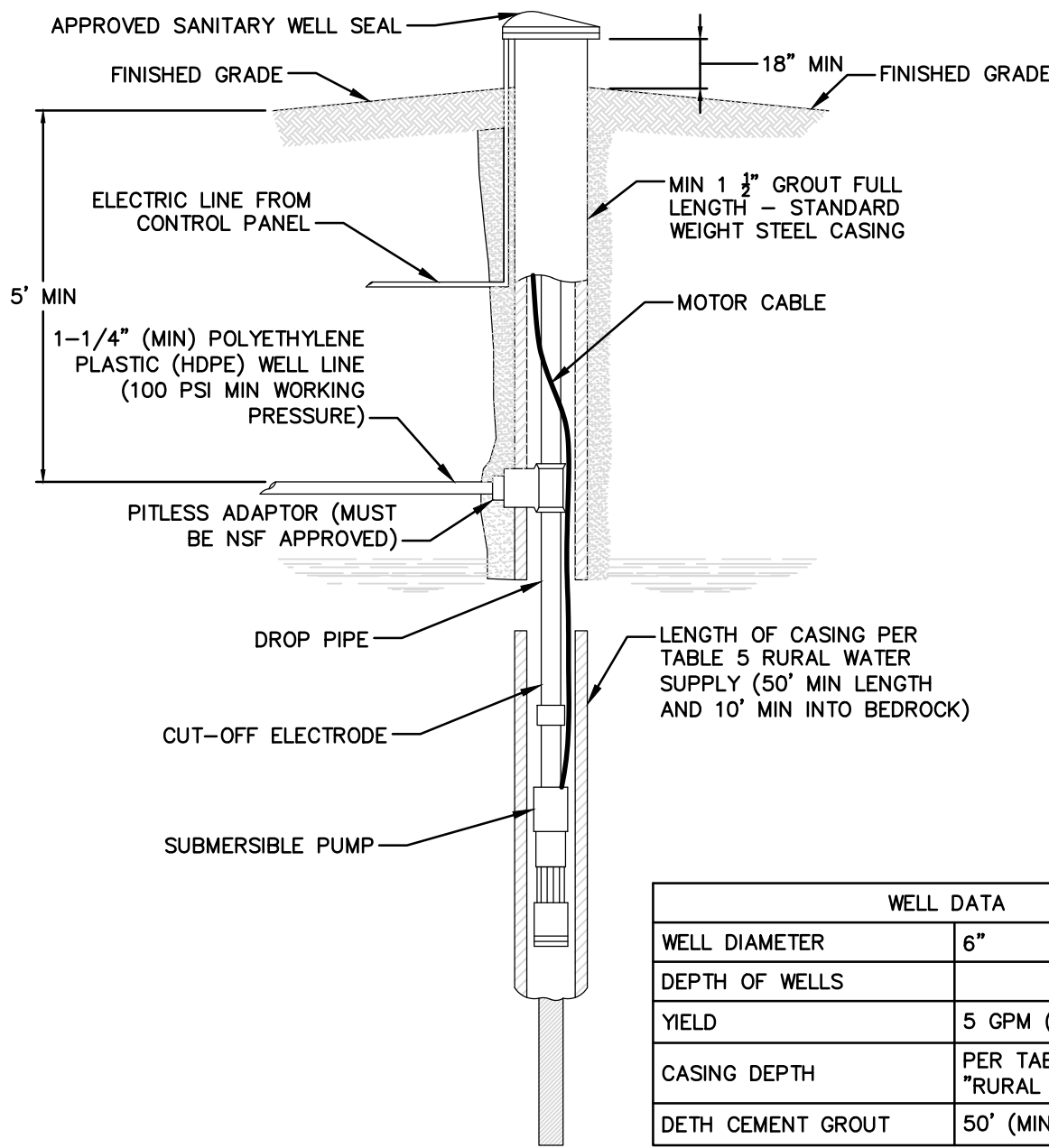


1 WATER PIPE TRENCH
NOT TO SCALE

- NOTES:
- PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
 - TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
 - INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
 - TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

SIEVE DESIGNATION	% PASSING
3/4"	100%
NO. 40	0-70%
NO. 200	0-10%

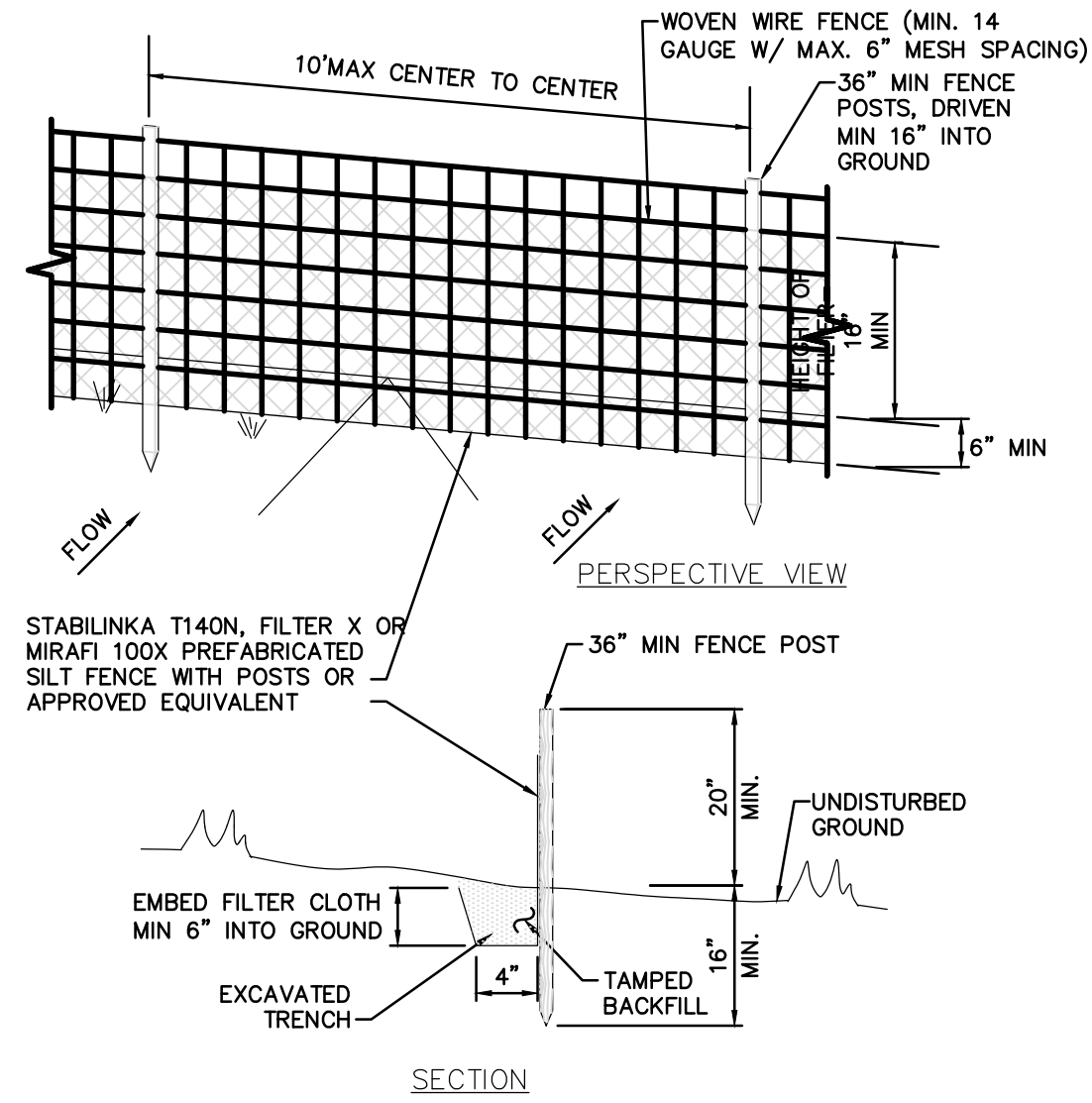
SIEVE DESIGNATION	% PASSING
2"	100%
1"	30-65%
NO. 40	5-40%
NO. 200	0-15%



2 TYPICAL DRILLED WELL IN ROCK
NOT TO SCALE

- NOTES:
- SUBMERSIBLE PUMP AND PRE-CHARGED HYDROPNEUMATIC TANK SHALL BE PROVIDED. PRESSURE TANK DRAW DOWN SHALL NOT BE LESS THAN 20 GALLONS FOR A PRESSURE RANGE OF 30 TO 50 PSI. PUMP DISCHARGE CAPACITY SHALL NOT EXCEED THE DEPENDABLE YIELD OF THE WELL AT THE HIGH END OF THE PRESSURE RANGE.
 - THE DRILLED WELL SHALL BE COMPLETED WITH A DEPENDABLE YIELD OF NOT LESS THAN 5 GPM. PROVIDE WATER TREATMENT AS REQUIRED.
 - UPON COMPLETION OF CONSTRUCTION, DISINFECT WITH CHLORINE SOLUTION IN ACCORDANCE WITH NYS HEALTH DEPARTMENT SPECIFICATIONS.
 - CASING TO BE 50' MINIMUM LENGTH AND 10' MINIMUM INTO BEDROCK.
 - THE WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH TABLE 5 OF THE RURAL WATER SUPPLY HANDBOOK - NYS DEPARTMENT OF HEALTH - REVISED 1995.
 - CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPENDIX 5-B OF PUBLIC HEALTH LAW 206 (18).

WELL DATA	
WELL DIAMETER	6"
DEPTH OF WELLS	
YIELD	5 GPM (MIN)
CASING DEPTH	PER TABLE 5 NYSDOH "RURAL WATER SUPPLY"
DETH CEMENT GROUT	50' (MIN)



3 SILT FENCE INSTALLATION
NOT TO SCALE

- NOTES:
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "T" OR "U" TYPE OR HARDWOOD.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX MESH OPENING.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 - MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
 - SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
 - SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
 - MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE:

SLOPE STEEPNESS	MAXIMUM SLOPE LENGTH(FT)
2:1	25
3:1	50
4:1	75
5:1 OR FLATTER	100



4 OF 4 DCEHS APPROVAL

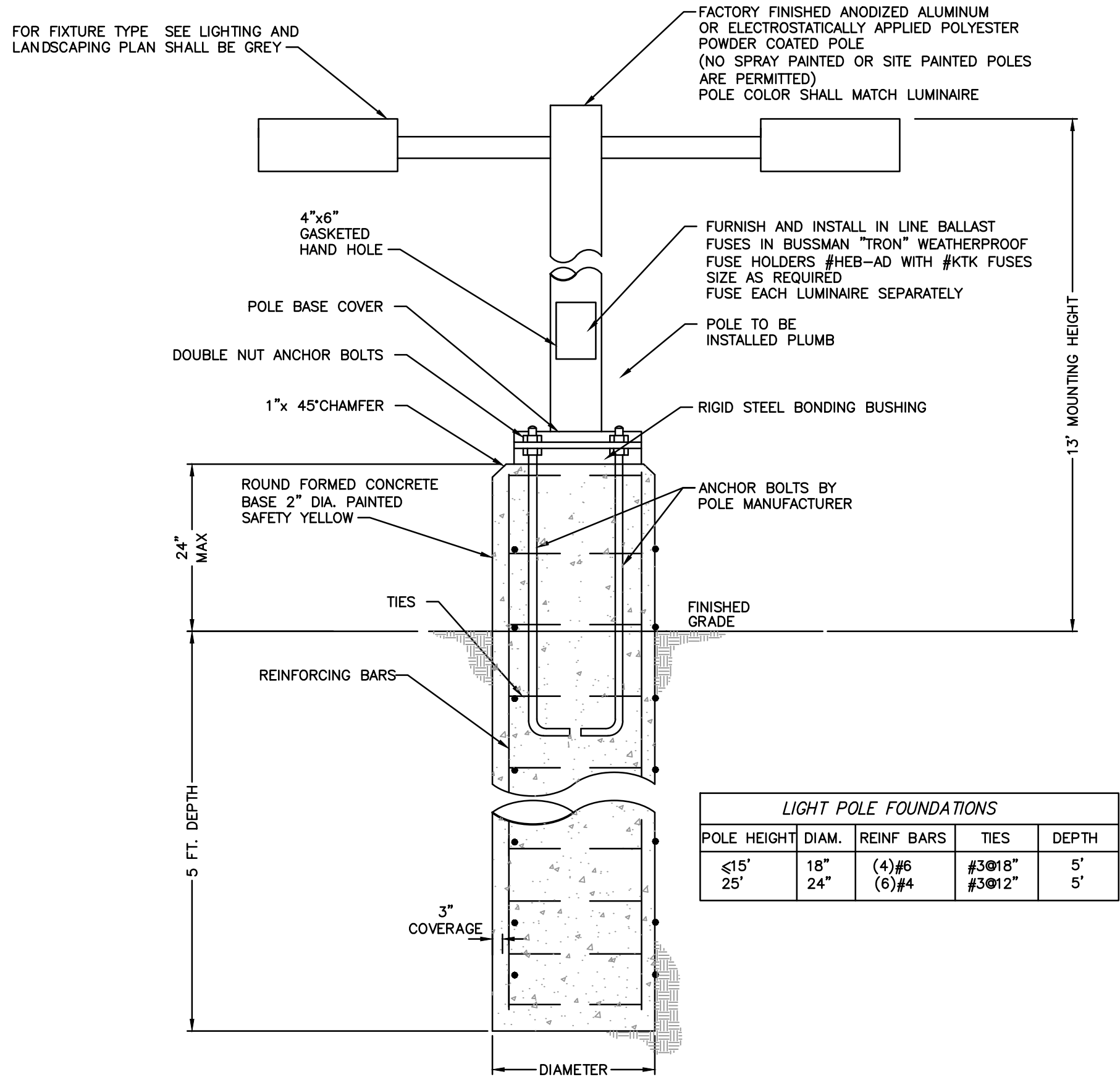
REVISIONS	BY

ALFRED A. CAPELLI Jr., AIA
ARCHITECT
1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500
acappe2102@aol.com

PROPOSED LIQUID PROPANE STORAGE FACILITY
DOWNEY ENERGY
199 OLD ROUTE 9 TOWN OF WAPPINGER, N.Y.

SITE DETAILS

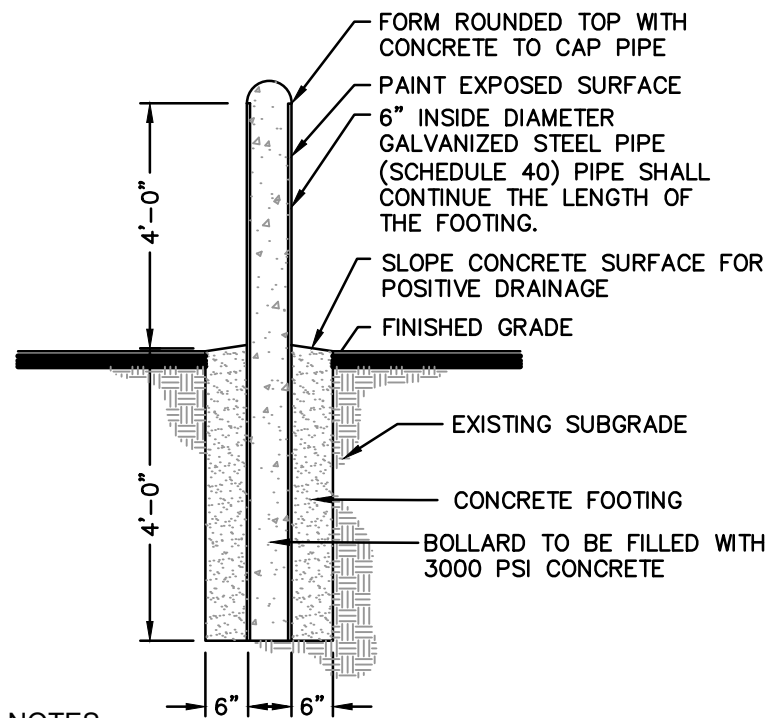
DATE	5/1/2023
SCALE	AS SHOWN
DRAWN	MO
JOB	19-013
SHEET	S-13



- NOTES:
- ALL CONCRETE SHALL BE 3,000 PSI @ 28 DAYS
 - DESIGNED FOR 90 MPH WIND WITH FIXTURE AREA OF 13 SF
 - FOUNDATION DIAMETER AND REINFORCING CIRCLE SHALL BE COORDINATED WITH ANCHOR BOLT LIMITS
 - FOUNDATIONS SHALL BEAR ON UNDISTURBED NATURAL SOIL OR COMPACTED CRUSH STONE
 - ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY
 - EXPOSED AREAS OF CONCRETE AND ONE FOOT MIN BELOW FINISHED GRADE SHALL BE FORMED

1 LAMP POST BASE AND CONCRETE BASE

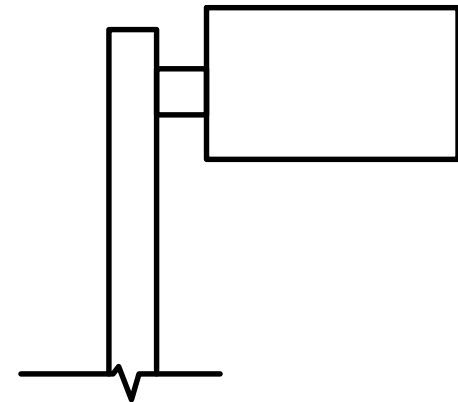
NOT TO SCALE



- NOTES:
- BOLLARD FINISH:
PREPARE GALVANIZED COATING TO RECEIVE PAINTED FINISH. APPLY (1) COAT OF RUST INHIBITOR PRIMER. APPLY (2) COATS OF GLOSS ENAMEL (COLOR TO BE SELECTED BY THE OWNER.)
 - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI @ 28 DAYS.
 - ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" (WITH A TOLERANCE OF 1").
 - ALL CONCRETE SHALL HAVE A 5% ENTRAINED AIR (WITH A TOLERANCES OF 1%) CONFORMING WITH ASTM C260.

5 STEEL AND CONCRETE BOLLARD

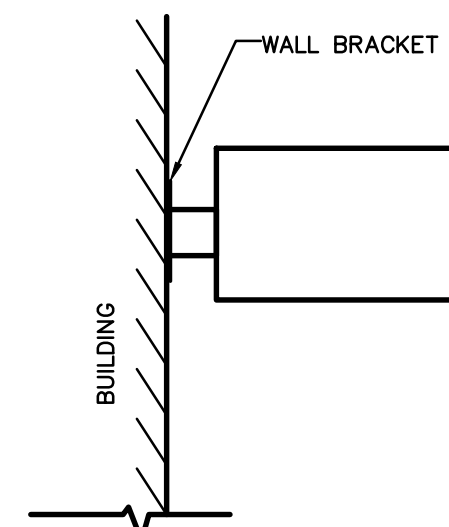
NOT TO SCALE



NOTE:
WLS LIGHTING SYSTEMS - SEE LIGHTING AND LANDSCAPING PLAN FOR FIXTURE SCHEDULE.

2 LIGHTING FIXTURE

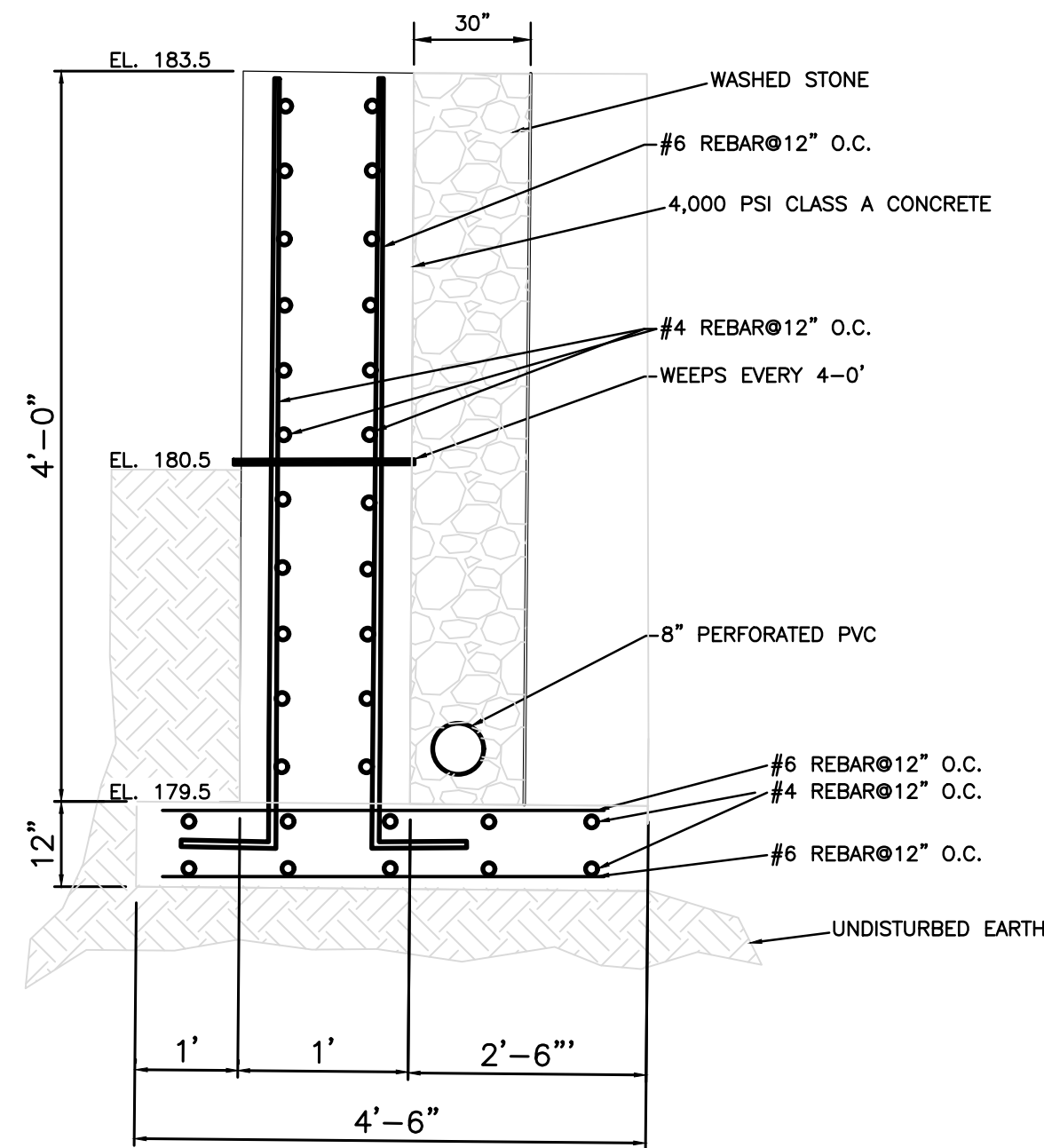
NOT TO SCALE



NOTE:
WLS LIGHTING SYSTEMS - SEE LIGHTING AND LANDSCAPING PLAN FOR FIXTURE SCHEDULE.

3 WALL MOUNTED LIGHTING FIXTURE

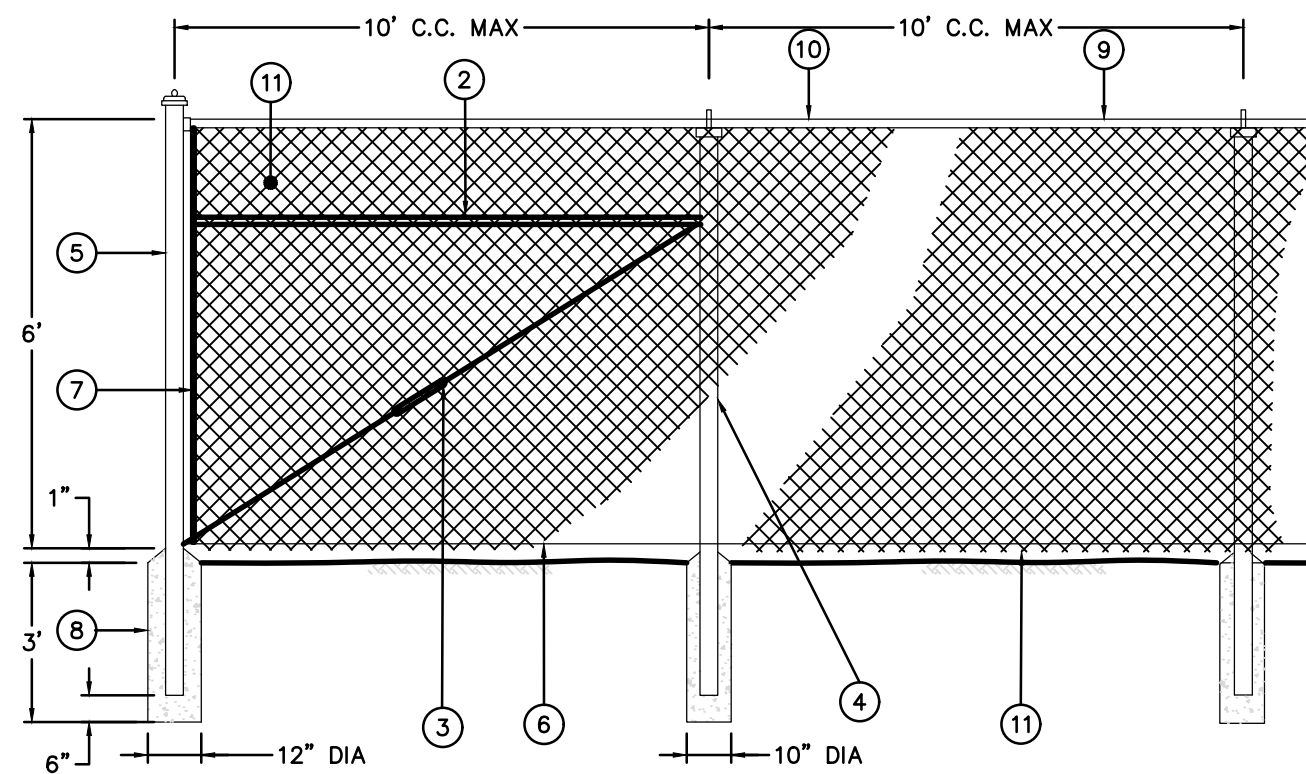
NOT TO SCALE



- NOTE:
- BACKFILL RETAINING WALL WITH CRUSHED STONE.

4 CAST-IN-PLACE CONCRETE RETAINING WALL

NOT TO SCALE



6 CHAIN LINK FENCE

NOT TO SCALE

- 1 1/2" O.D. TOP RAIL ATTACH TO THE C.L. FABRIC WITH 9 GAUGE WIRE CLIP EVERY 24"
- 1 1/2" O.D. BRACE RAIL FENCES OVER 6 FEET FEET HIGH AND ALL FENCES WITHOUT TOP RAIL
- 5/8" TRUSS ROD AND TURNBUCKLE
- INTERMEDIATE POST
FENCE HEIGHT SQUARE POST ROUND POST
6 FEET AND LESS 1 1/2" 2"
OVER 6 FEET 2 1/2" 2 1/2"
ATTACH TO C.L. FABRIC WITH CLIPS EVERY 15"
- END OR CORNER POST
FENCE HEIGHT SQUARE POST ROUND POST
6 FEET AND LESS 2" 2 1/2"
OVER 6 FEET 2 1/2" 3"
- 6 GAUGE BOTTOM TENSION WIRE ATTACH TO C.L. FABRIC WITH HOG RING AT 24" C.C.
- TENSION ROD ATTACHED TO END OR CORNER POST
- CONCRETE FOOTING 36" DEEP WITH 12" DIA. AT END POST AND 10" DIA. AT INTERMEDIATE POST. HOLE CORE IN UNDISTURBED OR COMPACTED SOIL. (SEE FOOTING DESIGN NOTE)
- TOP RAIL
- FABRIC SELVAGE UNDER 6 FEET SHALL BE KNUCKLED TOP AND BOTTOM 6 FEET AND OVER SHALL BE KNUCKLED BOTTOM AND TWISTED ON THE TOP RECREATIONAL FENCING, REGARDLESS OF HEIGHT, SHALL BE KNUCKLED TOP AND BOTTOM.
- BLACK VINYL COATED WIRE MESH FABRIC WITH PRIVACY SLATS WHERE SPECIFIED

REVISIONS	BY

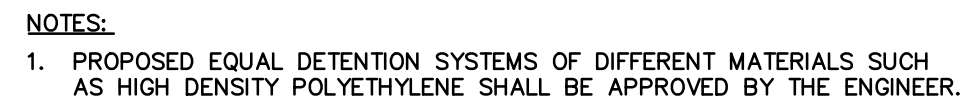
ALFRED A. CAPELLI Jr., AIA
ARCHITECT

1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500
acappe2102@aol.com

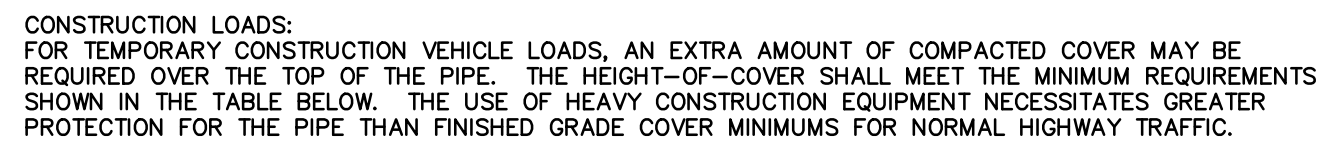
PROPOSED LIQUID PROPANE STORAGE FACILITY
DOWNEY ENERGY
TOWN OF WAPPINGER, N.Y.
199 OLD ROUTE 9

SITE DETAILS

DATE	5/1/2023
SCALE	AS SHOWN
DRAWN	MO
JOB	19-013
SHEET	S-14



NOT TO SCALE



*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

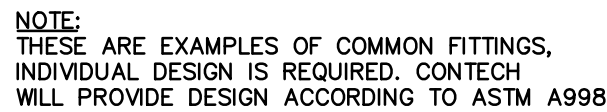
NOT TO SCALE



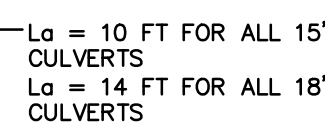
NOTES:

1. THE CONCRETE CAP SHALL BE SIZED AND DESIGNED BY OTHERS SO THAT THE LOADS ARE TRANSMITTED TO THE SOIL, AND NOT THE RISER.
2. THE CONCRETE CAP SHALL BE SIZED TO PROVIDE AN ADEQUATE BOTTOM AREA BASED ON THE ALLOWABLE BEARING CAPACITY OF THE SOIL.
3. THE FLEXIBLE JOINT MATERIAL (RECYCLED VINYL OR EQ.) TO BE STIFF ENOUGH SO THAT THE CONCRETE CAN NEVER ENGAGE WITH THE RISER CORRUGATIONS.

NOT TO SCALE



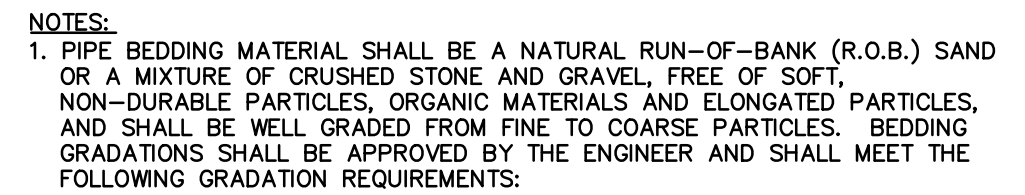
NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



<u>SIEVE DESIGNATION</u>	<u>% PASSING</u>
3/4"	100%
NO. 40	0-70%
NO. 200	0-10%

2. NO TRAFFIC, PARKING OR STORAGE OF HEAVY EQUIPMENT WITHIN THE STORMWATER DETENTION PIPE AREA IS ALLOWED WITHOUT THE INSTALLATION OF ASPHALT PAVEMENT, UNLESS APPROVED BY THE ENGINEER.

NOT TO SCALE

1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500 acappe2102@aol.com

PROPOSED LIQUID PROPANE STORAGE FACILITY

DOWNNEY ENERGY

199 OLD ROUTE 9 TOWN OF WAPPINGER, N.Y.

SITE DETAILS

S-15

STANDARD NOTES FOR COMMERCIAL PROJECTS (ONSITE WATER SOURCE AND SEWAGE DISPOSAL)- W/NO PWS

1. THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:
2. "NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS", NYSDEC"
3. APPENDIX 75-A, WASTE TREATMENT - INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE SANITARY CODE." "RECOMMENDED STANDARDS FOR SEWAGE TREATMENT WORKS, (TEN STATES)."
4. "NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION POLICIES, PROCEDURES AND STANDARDS."
5. "DUTCHESS COUNTY AND NEW YORK STATE SANITARY CODES."
6. "DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION CERTIFICATE OF APPROVAL LETTER."
7. THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES.
8. UPON COMPLETION OF THE FACILITIES, THE FINISHED WORKS SHALL BE INSPECTED, TESTED, AND CERTIFIED COMPLETE TO THE DC EHSD BY THE NEW YORK STATE REGISTERED DESIGN PROFESSIONAL SUPERVISING CONSTRUCTION. NO PART OF THE FACILITIES SHALL BE PLACED INTO SERVICE UNTIL ACCEPTED BY THE DC EHSD.
9. APPROVAL OF ANY PLAN(S) OR AMENDMENT THERETO SHALL BE VALID FOR A PERIOD OF 5 YEARS FROM THE DATE OF APPROVAL. FOLLOWING THE EXPIRATION OF SAID APPROVAL, THE PLAN(S) SHALL BE RE-SUBMITTED TO THE COMMISSIONER OF HEALTH FOR CONSIDERATION FOR RE-APPROVAL. RE-SUBMISSION OR REVISED SUBMISSION OF PLANS AND/OR ASSOCIATED DOCUMENTS SHALL BE SUBJECT TO COMPLIANCE WITH THE TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES IN EFFECT AT THE TIME OF THE RE-SUBMISSION.
10. ALL WELLS AND ONSITE WASTEWATER TREATMENT SYSTEM EXISTING OR APPROVED WITHIN 300 FEET OF THE PROPOSED WELLS AND ONSITE WASTEWATER TREATMENT SYSTEM ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE ONSITE WASTEWATER TREATMENT SYSTEM AND WELL.
11. IT SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE DC EHSD FIELD INSPECTOR AND/OR DESIGN PROFESSIONAL THAT THE TANK IS SEALED, WATERTIGHT AND ACCEPTABLE FOR USE. THIS SHALL REQUIRE, AT A MINIMUM, THE FILLING OF THE TANK WITH WATER TO OBSERVE IF IT IS IN FACT SEALED, WATERTIGHT AND ACCEPTABLE FOR USE. THE TANK MUST ALSO MEET ANY LOCAL TESTING REQUIREMENTS, INCLUDING POSSIBLE ELECTRICAL AND SAFETY STANDARDS.
12. ALL PROPOSED WELLS AND SERVICE LINES ON THIS PLAN ARE ACCESSIBLE FOR INSTALLATION AND PLACEMENT.
13. NO CELLAR, FOOTING, FLOOR, GARAGE, COOLER OR ROOF DRAINS SHALL BE DISCHARGED INTO THE ONSITE WASTEWATER TREATMENT SYSTEM OR WITHIN 50 FEET OF ANY WELL.
14. ALL BUILDINGS SHALL BE CONSTRUCTED AT AN ELEVATION HIGH ENOUGH TO ENSURE GRAVITY FLOW TO THE ONSITE WASTEWATER TREATMENT SYSTEM.
15. THERE SHALL BE NO VEHICULAR TRAFFIC OVER THE ONSITE WASTEWATER TREATMENT SYSTEM. PRIOR TO CONSTRUCTION, THE AREA OF THE SYSTEM SHALL BE STAKED OUT AND FENCED OFF.
16. ONSITE WASTEWATER TREATMENT SYSTEMS SHALL NOT BE INSTALLED IN WET OR FROZEN SOIL.
17. THE DC EHSD SHALL BE NOTIFIED PRIOR TO THE BACKFILLING OF ANY COMPLETED ONSITE WASTEWATER TREATMENT SYSTEM SO THAT A FINAL INSPECTION MAY BE PERFORMED.
18. THE DC EHSD SHALL BE NOTIFIED SIXTY DAYS PRIOR TO ANY CHANGE IN USE; USE CHANGES MAY REQUIRE RE APPROVAL BY THE DC EHSD.
19. ALL REQUIRED EROSION & SEDIMENT CONTROL AND STORMWATER POLLUTION PREVENTION WATER QUALITY & QUANTITY CONTROL STRUCTURES, PERMANENT AND TEMPORARY, ARE SHOWN ON THE PLANS.
20. THE UNDERSIGNED OWNERS OF THE PROPERTY HEREON STATE THAT THEY ARE FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.
21. ONSITE WASTEWATER TREATMENT SYSTEM IS DESIGNED FOR SANITARY SEWAGE ONLY. NO WASTES FROM RESTAURANTS, TAVERNS, DINERS, PIZZERIAS, FOOD SERVICE ESTABLISHMENTS, BAKERIES, DOCTOR'S OFFICES, DENTISTS, HAIR DRESSERS, SALONS, BEAUTY PARLORS, DRY CLEANERS, LAUNDROMATS, LAUNDRIES, PHOTOFINISHERS, METAL PLATERS, OR ANY OTHER PROCESS WASTES ARE ALLOWED.

ADDITIONAL NOTES FOR FILL SECTIONS

22. SEPTIC FILL SPECIFICATION: SAND AND GRAVEL FILL, WITH A STABILIZED PERCOLATION RATE WHICH IS LESS THAN OR EQUIVALENT TO THE PERCOLATION RATE OF THE VIRGIN SOIL, AND NO MORE THAN 15 MINUTES PER INCH SHALL BE USED.
23. A NEW YORK STATE REGISTERED DESIGN PROFESSIONAL SHALL CERTIFY IN WRITING THAT THE FILL MATERIAL IS IN THE PROPER LOCATION, OF THE PROPER QUANTITY AND DIMENSIONS, AND OF PROPER QUALITY. PROPER QUALITY MUST BE DEMONSTRATED BY STABILIZED PERCOLATION TESTS, THE RESULTS OF WHICH SHALL BE SUBMITTED WITH THE ENGINEER'S CERTIFICATION.
24. PRIOR TO THE PLACEMENT OF THE FILL, THE AREA OF THE OWS SHALL BE CLEARED OF DEBRIS, AND ALL BRUSH, TREES, OR OTHER VEGETATION CUT TO THE LEVEL OF THE VIRGIN GROUND. NO TOPSOIL SHALL BE REMOVED UNLESS SPECIFICALLY INDICATED ON THE PLANS.

TEST PIT DATA (11/19/2020)

TEST PIT 1
0" - 6" TOPSOIL
6" - 4'-3" SANDY SILT LOAM
4'-3" - 6'-8" HARDPAN SILT (NO GW)

TEST PIT 2
0" - 3" TOPSOIL
3"-3' - 3" SANDY SILT LOAM
3'-3" - 7'-0" HARDPAN SILT (NO GW)

TEST PIT 3
0" - 6" TOPSOIL
6" - 5' SANDY SILT LOAM
5' - 7'-6" HARDPAN SILT (NO GW)

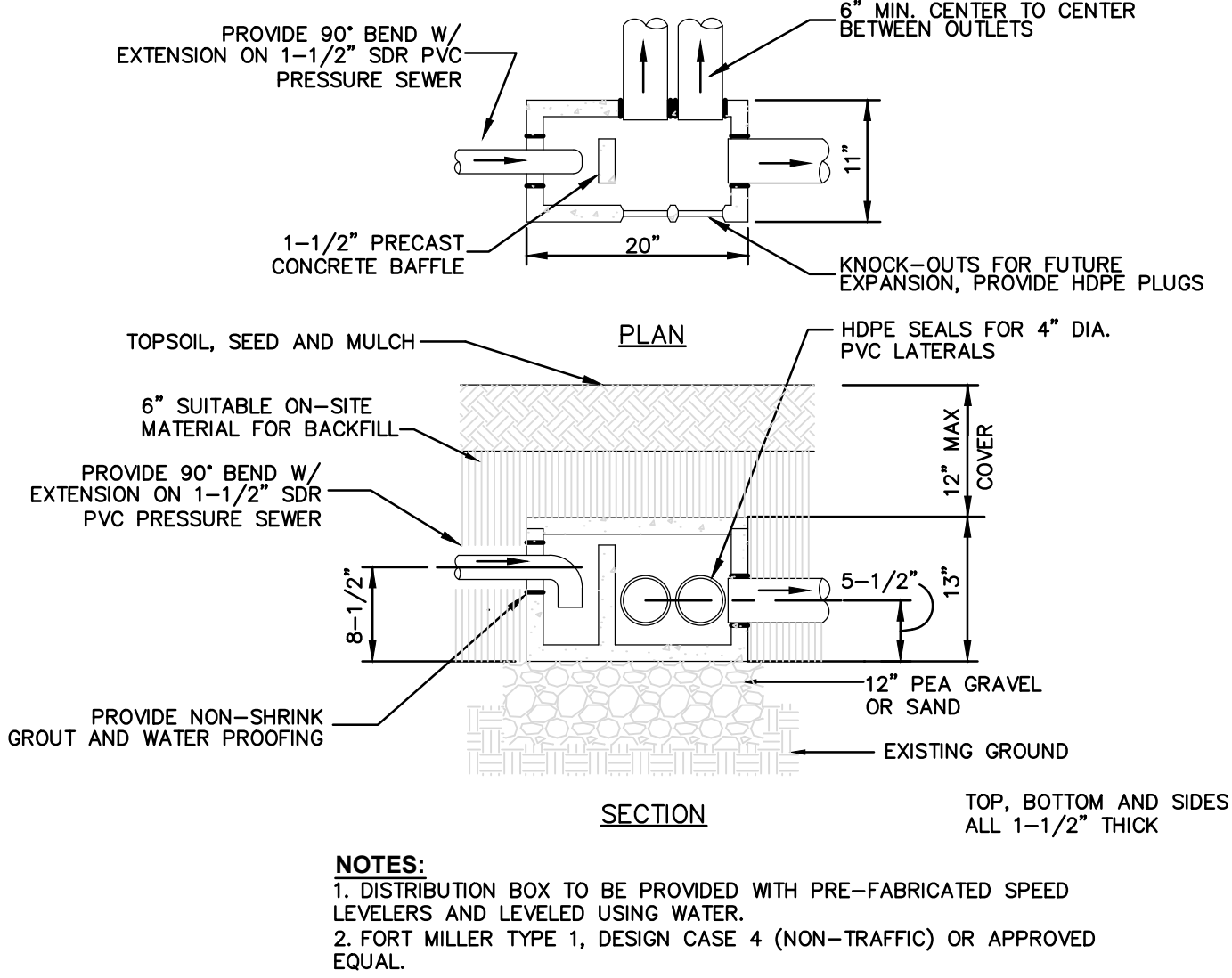
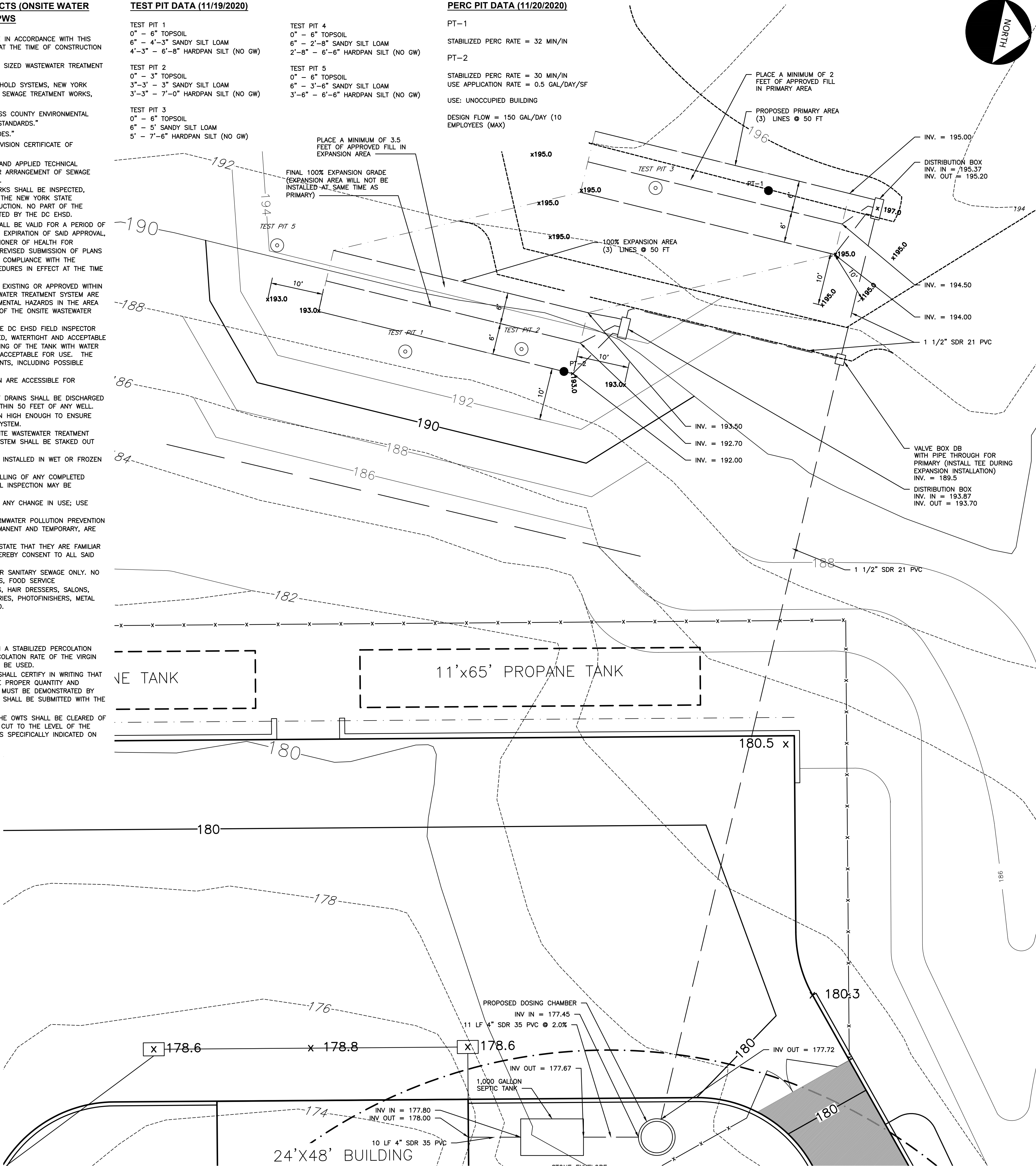
TEST PIT 4
0" - 6" TOPSOIL
6" - 2'-8" SANDY SILT LOAM
2'-8" - 6'-6" HARDPAN SILT (NO GW)

TEST PIT 5
0" - 6" TOPSOIL
6" - 3'-6" SANDY SILT LOAM
3'-6" - 6'-6" HARDPAN SILT (NO GW)

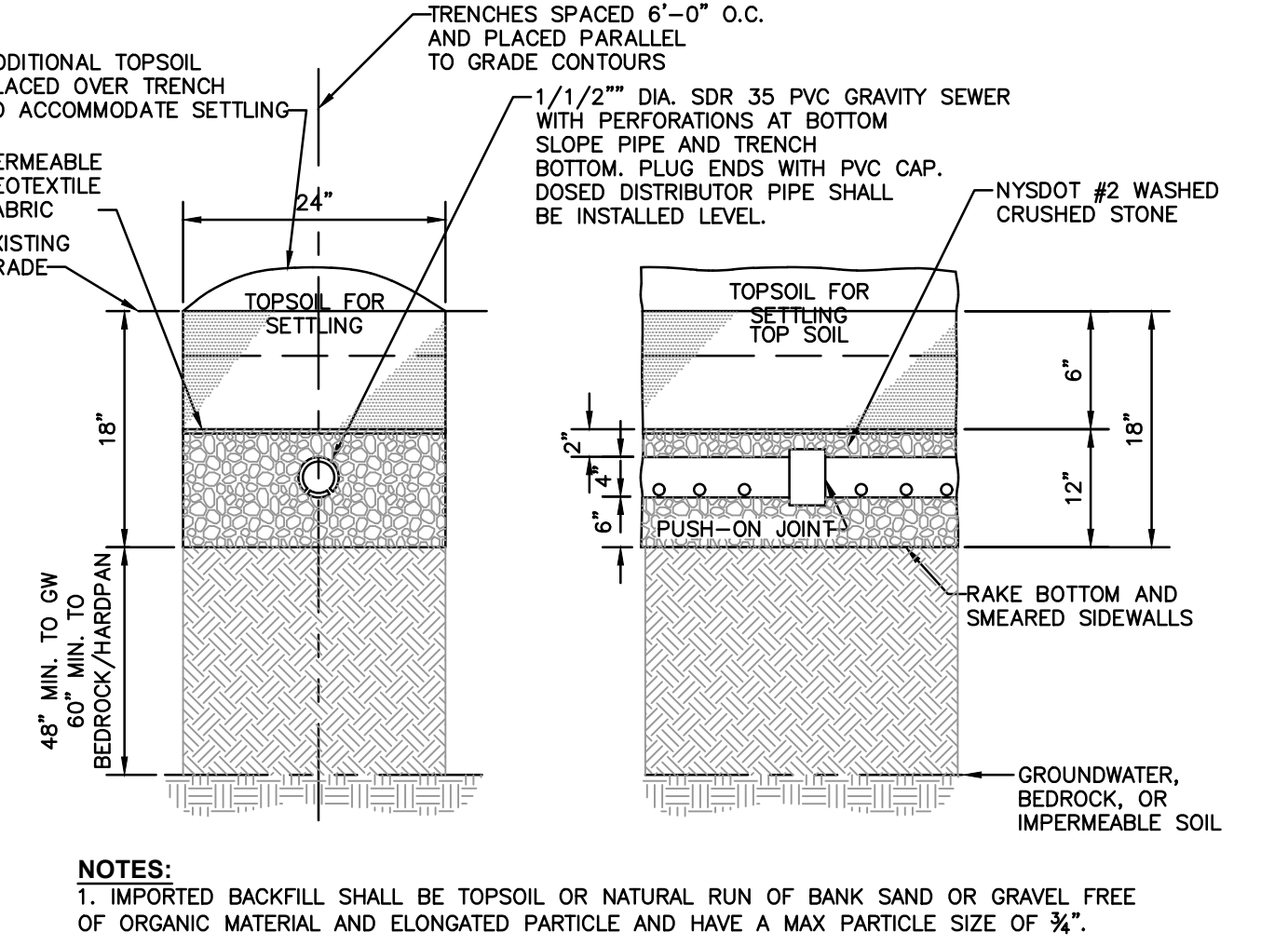
PERC PIT DATA (11/20/2020)

PT-1
STABILIZED PERC RATE = 32 MIN/IN

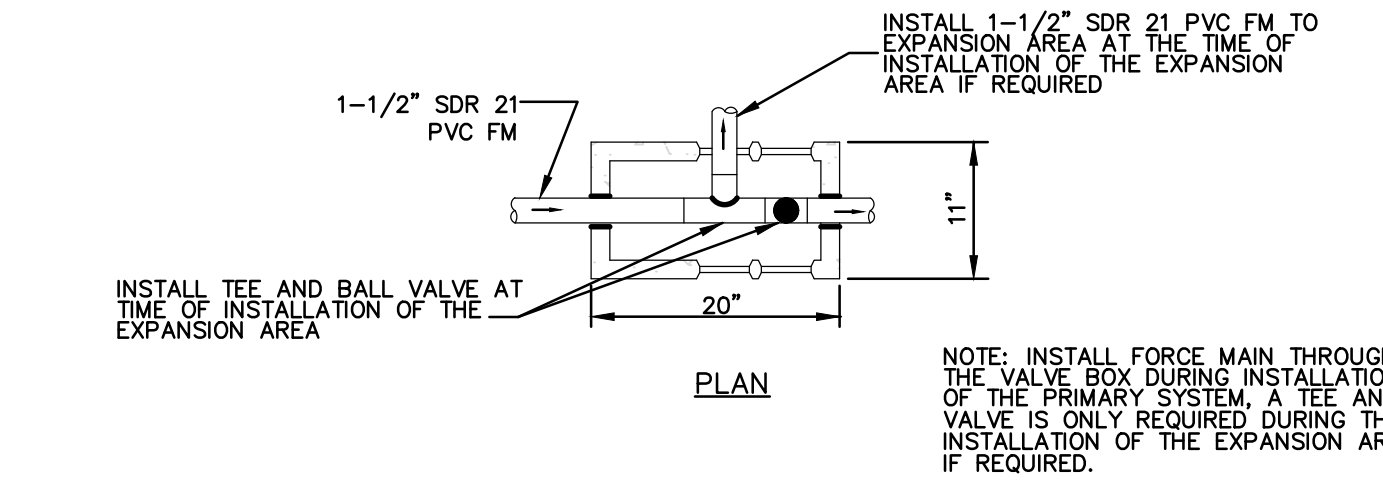
PT-2
STABILIZED PERC RATE = 30 MIN/IN
USE APPLICATION RATE = 0.5 GAL/DAY/SF
USE: UNOCCUPIED BUILDING
DESIGN FLOW = 150 GAL/DAY (10 EMPLOYEES (MAX))



1 TYPE 1 DISTRIBUTION BOX (PRESSURE INLET)
NOT TO SCALE



2 ABSORPTION TRENCH
NOT TO SCALE



3 VALVE BOX
NOT TO SCALE



2 OF 4 DCEHS APPROVAL

REVISIONS	BY

ALFRED A. CAPELLI JR., AIA
ARCHITECT
1136 ROUTE 9 WAPPINGERS FALLS, N.Y. 12590
Phone: (845) 632-6500
acappe2102@aia.com

PROPOSED LIQUID PROPANE STORAGE FACILITY
DOWNEY ENERGY
199 OLD ROUTE 9
TOWN OF WAPPINGER, N.Y.

SUBSURFACE SEWAGE
DISPOSAL SYSTEM PLAN

DATE	5/1/2023
SCALE	1" = 10'
DRAWN	MO
JOB	19-013
SHEET	S-16

Appendix E
Deposition of Steven P. VanBuren

1 SUPREME COURT OF THE STATE OF NEW YORK
2 COUNTY OF DUTCHESS

3 -----X
4 DOWNEY ENERGY and NORTHEAST 40, LLC,

5 Plaintiffs,

6 -against-

7 Index#2022-51174

8 TOWN OF WAPPINGER, PLANNING BOARD OF
9 THE TOWN OF WAPPINGER, BRUCE FLOWER,
10 RALPH MARINACCIO, ROBERT CERU, MARKOS
11 PERATIKOS, PAUL FRENO, NICHOLAS MASELLI,
12 THE TOWN BOARD OF THE TOWN OF WAPPINGER
13 and "JOHN DOES AND JANE DOES 1-15",

14 Defendants.

15 -----X

16 DATE: March 17, 2023
17 Poughkeepsie, New York
18 11:07 a.m. - 11:40 a.m.

19 Frances M. Elmes, Reporter

20 DEPOSITION

21 OF

22 STEVEN P. VANBUREN
23 (Non-Party Witness)

1 APPEARANCES:

2 SAVAD CHURGIN, ESQS.
3 Attorneys for Plaintiffs
4 55 Old Nyack Turnpike, Suite 209
5 Nanuet, New York 10954
6 BY: DENNIS E. A. LYNCH, ESQ., of Counsel
7 Dennislynchesq@gmail.com

8 ALSO PRESENT:

9 ALFRED A. CAPPELLI, JR.

10 JOHN HART

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

IT IS STIPULATED AND AGREED that the transcript may be signed before any Notary Public with the same force and effect as if signed before a clerk or a judge of the court.

IT IS FURTHER STIPULATED AND AGREED
that the Examination Before Trial may be
utilized for all purposes as provided by the
CPLR.

IT IS FURTHER STIPULATED AND AGREED
that all rights provided to all parties by the
CPLR cannot be deemed waived and the appropriate
sections of the CPLR shall be controlling with
respect hereto.

* * * *

1 VanBuren

2 STEVEN P. VANBUREN, a witness herein, having
3 been first duly sworn by a Notary
4 Public within and for the State of New
5 York, was examined and testified as
6 follows:

7
8 * * * *

9
10 BY MR. LYNCH:

11 Q. Give your name and address,
12 please, for the reporter.

13 A. Steven with a V, middle initial
14 P, last name VanBuren, V-a-n-B-u-r-e-n.

15 Q. Good morning, Mr. VanBuren. My
16 name is Dennis Lynch. Let me try to explain
17 why you're here, what the purpose of this
18 deposition is and what it involves, because
19 you probably have general questions; okay?

20 I represent the plaintiffs with
21 regard to litigation that was filed by Downey
22 Energy and Northeast 40, LLC against the Town
23 of Wappinger and it concerns the Downey
24 energy project, that's generally what this
25 litigation is about, just so you understand

1 VanBuren

2 that; okay? Let me show you a document.

3 MR. LYNCH: What's the next
4 number, please?

5 THE COURT REPORTER: 20.

6

7 (PLAINTIFF'S EXHIBIT 20,
8 SUBPOENA, RECEIVED AND MARKED FOR
9 IDENTIFICATION)

10

11 Q. I want to show you a document
12 which I've given you copy of, Mr. VanBuren,
13 which you can take that home with you. And
14 I'm giving you the exhibit I've actually
15 marked, which we're going to keep here, and
16 that Exhibit 20 I'm going to tell you is what
17 they call a subpoena and non-party notice of
18 deposition and that refers to the case,
19 Mr. VanBuren, that this is involved with
20 right now; do you understand that so far?

21 A. Yes.

22 Q. Okay. Your name came up at
23 several points in time in this whole process
24 and I'm just asking you questions about what
25 your involvement was, what your recollections

1 VanBuren

2 are and if you know something you can tell
3 me. If you don't know something, tell me
4 that, too; do you understand that?

5 A. Yes, I do.

6 Q. Okay. At the end of this whole
7 process you'll be given a transcript in
8 writing typed up by the reporter. I'll get
9 it, actually, I'll give it to you. You can
10 review the transcript, you can make changes
11 if you want on what the transcript says, then
12 you'll notarize the transcript after you sign
13 it, so notarize it and you'll mail it back to
14 me. That's the general process; do you
15 understand that, sir?

16 A. Yes.

17 Q. Okay. A few basic questions.
18 Prior to coming to today's deposition did you
19 take any medication or any other substance
20 that would interfere with your ability to
21 recall events or testify truthfully?

22 A. No.

23 Q. Okay. And prior to coming to
24 today's deposition did you speak with anybody
25 in preparation for your testimony?

1 VanBuren

2 A. No.

3 Q. Okay. Let me take a look ---
4 have you take a look, if you would, please,
5 at that particular Exhibit 20, and the second
6 page of that particular exhibit, it asks that
7 you bring whatever documents that you have
8 with regard to the project known at Downey
9 Energy; did you bring any documents with you
10 today, sir?

11 A. Don't have any.

12 Q. Okay. Let's continue. Have you
13 ever given a deposition before such as this?

14 A. Yes, I have.

15 Q. And without telling me the
16 details, was it a civil deposition where ---
17 (Interrupted)

18 A. Yes.

19 Q. Okay. And how many times have
20 you been deposed before, approximately?

21 A. Three.

22 Q. Okay. So you have a general
23 idea of what a deposition is; is that
24 correct?

25 A. Yes, I do.

1 VanBuren

2 Q. Okay. And what's your date of
3 birth, please?

4 A. XXXX XX, 1951.

5 Q. Okay. And what town do you
6 reside in right now?

7 A. Town of Fishkill.

8 Q. Okay. Have you ever resided in
9 the Town of Wappinger?

10 A. Yes.

11 Q. Okay. Tell me approximately
12 when that was, sir.

13 A. 2001 to 2007.

14 Q. Okay. And whereabouts did you
15 reside in the Town of Wappinger, if you can
16 tell me?

17 A. Chelsea Road.

18 Q. Okay. And at the present time
19 do you own any property in the Town of
20 Wappinger?

21 A. No.

22 Q. Okay. And moving forward, when
23 I say town from now on I just mean the Town
24 of Wappinger; do you understand that, sir?

25 A. Understood.

1 VanBuren

2 Q. Okay. At the present time where
3 are you employed?

4 A. Town of Fishkill.

5 Q. Okay. Are you employed in the
6 building department for Fishkill?

7 A. I am.

8 Q. Okay. And how long have you
9 been employed there, approximately?

10 A. 15 years.

11 Q. Okay. And before that what's
12 your recent employment before the 15 years
13 for the Town of Fishkill?

14 A. Indian Point Nuclear Plant, I
15 was their fire protection supervisor from
16 1981 to 2007.

17 Q. Okay. And as the fire
18 protection supervisor for Indian Point did
19 your services or employment deal with liquid
20 propane fires?

21 A. Yes, we had liquid propane on
22 site.

23 Q. Okay. And were there any liquid
24 propane fires at Indian Point when you were
25 there?

1 VanBuren

2 A. Not fires, but leak.

3 Q. Okay. And how many leaks were
4 there, approximately?

5 A. One.

6 Q. Okay. And do you have any
7 recollection what year that might have been,
8 if you know? And if you don't you can tell
9 me that, too.

10 A. I'm going to say --- well,
11 ballpark I would put it at 2001, 2002
12 timeframe.

13 Q. Okay. And was anybody injured
14 as a result of that liquid propane leak?

15 A. No.

16 Q. Was there any property damage as
17 a result of that liquid propane leak at
18 Indian Point sometime ago?

19 A. No.

20 Q. Okay. And how did the property
21 --- strike that. How did the liquid propane
22 leak take place?

23 A. A cylinder was just old, we did
24 a free seal on it.

25 Q. And how many gallons was the

1 VanBuren

2 cylinder involved?

3 A. 150.

4 Q. 150?

5 A. Yeah.

6 Q. Okay. And what was that
7 particular liquid propane used for at Indian
8 Point?

9 A. I believe it was for
10 supplemental heating for outbuildings.

11 Q. Okay. In addition to your
12 employment do you have any past or current
13 association with any firemanic activity or
14 offices?

15 A. I do.

16 Q. Okay. Tell me what they are,
17 sir.

18 A. Deputy Fire Coordinator for the
19 County of Dutchess. I have a battalion under
20 me, which is Battalion 7.

21 Q. Let's just start with the first
22 one, Deputy Coordinator, how long did you
23 hold that position, approximately?

24 A. I'm going to say...

25 Q. A ballpark is fine.

1 VanBuren

2 A. I'm going to get you close, I
3 can probably get you real close. 25 to
4 26 years for that.

5 Q. Okay. And you mentioned
6 something about a battalion?

7 A. Battalion 7.

8 Q. And what is that?

9 A. That's the southwest quadrant of
10 the county, that's where Hughsonville is.

11 Q. Okay. And exactly what do you
12 do with regard to Battalion 7, just generally
13 over the years?

14 A. I respond to any mutual aid
15 fires within the battalion.

16 Q. And are you a member of any fire
17 company at the present time?

18 A. Fire company?

19 Q. Yes.

20 A. I'm a life member of Lewis
21 Tompkins Hose in Beacon and I'm an honorary
22 life member of New Hamburg.

23 Q. Okay. The Hughsonville Fire
24 Company, were you ever a member of that
25 particular fire company?

1 VanBuren

2 A. No, no.

3 Q. Okay. In all your experience as
4 a firefighter, and I'm not talking about
5 Indian Point, have you ever had occasion to
6 fight a live, active liquid propane fire?

7 A. Within the last 12 months.

8 Q. Okay. And where was that, sir?

9 A. Barton Orchards.

10 Q. And what did that particular
11 liquid propane fire consist of?

12 A. Well, it consisted of Bottini,
13 who was the delivery company, their truck,
14 two large commercial buildings, a variety of
15 farm equipment and private vehicles.

16 Q. And when you say farm equipment
17 and private vehicles what do you mean by
18 that, sir?

19 A. Tractors, equipment they use in
20 the fields, you know.

21 Q. When you say they, who are you
22 referring to?

23 A. Barton Orchards.

24 Q. Okay.

25 A. It's an orchard with a big

1 VanBuren
2 public assembly, barn, snack bar, hall, stuff
3 like that.

4 Q. Okay. And do you have an
5 approximate date as to when this ---
6 (Interrupted)

7 A. August.

8 MR. LYNCH: Off the record.

9
10 (DISCUSSION OFF THE RECORD)

11
12 Q. You said August, sir; was that
13 2022?

14 A. That's correct.

15 Q. Okay. And was anyone injured in
16 that particular August '22 liquid propane
17 fire?

18 A. Thank god, no.

19 Q. Okay. And you responded to that
20 fire in what capacity?

21 A. The Dutchess County Hazmat Team
22 Deputy Coordinator.

23 Q. Okay. And, by the way, if at
24 anytime during today's deposition you want to
25 take a break --- (Interrupted)

1 VanBuren

2 A. Yup.

3 Q. --- or you need to consult with
4 your phone --- (Interrupted)

5 A. Okay.

6 Q. --- or for any reason, feel free
7 to do that; do you understand that, sir?

8 A. I understand, thanks.

9 Q. Now, you mentioned the deputy of
10 the Dutchess County hazmat team?

11 A. Correct.

12 Q. Tell me what that is, sir.

13 A. Well, that's a county
14 organization under the Department of
15 Emergency Response that provides hazmat
16 response to all the fire departments in
17 Dutchess County.

18 MR. LYNCH: Off the record.

19

20 (DISCUSSION OFF THE RECORD)

21

22 Q. We just took a brief break. The
23 Dutchess County Hazmat Team, can you tell me
24 who was involved in that particular team, is
25 it yourself and other people or ---

1 VanBuren

2 (Interrupted)

3 A. Yes, I'm the deputy coordinator,
4 I have two assistant deputy coordinators. I
5 have a captain, I have two lieutenants, I
6 have a safety officer and I have
7 approximately 10 to 12 additional members.

8 Q. Okay. Is that a paid position
9 or volunteer position?

10 A. No, no, it's all volunteer,
11 everything.

12 Q. And approximately how long have
13 you been a volunteer firefighter,
14 approximately?

15 A. 54 years.

16 Q. Okay. Other than the 2022
17 incident at the orchard, and I believe you
18 said August, have you ever had any occasion
19 to fight a live liquid propane fire in the
20 over 50 years of being a firefighter?

21 A. Just small cylinders.

22 Q. Okay. Would that be ---

23 (Interrupted)

24 A. Barbecue grills, stuff like
25 that.

1 VanBuren

2 Q. Okay. Tell me, if you would, to
3 the best of your recollection what training,
4 if any, the hazmat team does for fighting
5 liquid propane fires, if at all.

6 A. Well, we do training all the
7 time.

8 Q. Okay. Just referencing liquid
9 propane fires.

10 A. I understand that.

11 Q. Please continue.

12 A. Liquid propane is flammable gas
13 2.1, we train on all the classes of hazmat,
14 that's just one of them. Recently one of the
15 ways to handle these propane leaks is to burn
16 it off, it's called a flaring device, so we
17 now have that in our arsenal of tools on the
18 hazmat truck where we can go to tanks that
19 are overfilled or leaking, connect up, run
20 hose out and then burn it off of a stand so
21 that you drop the pressure in the tank.

22 Q. Okay. Let me show you a
23 document which we marked earlier today as
24 Plaintiff's Number 13. Just take a look at
25 that, sir, it's multi-pages, and when you

1 VanBuren

2 finish your review just look up and let me
3 know you have. Off the record.

4
5 (DISCUSSION OFF THE RECORD)

6
7 Q. Do you recognize that particular
8 document, sir, marked as Plaintiff's 13?

9 A. No, I've never seen it before.

10 Q. Okay. The Dutchess County
11 Department of Emergency Response, does it put
12 out a county training center standard
13 operating guidelines?

14 A. Yes.

15 Q. Okay. And do you know if they
16 put anything out regarding such guidelines in
17 October 2021?

18 A. If you're telling me that's from
19 October 2021 I've got to believe you.

20 Q. No, I'm just indicating what the
21 front page says.

22 A. Yeah, that's just --- you know,
23 that's for the use of the props at the
24 training center.

25 Q. So tell me about the use of the

1 VanBuren

2 props at the training center, sir.

3 A. Well, they're used by all fire
4 departments in Dutchess County, so the county
5 has a standard operating guide there for the
6 county fire instructors when they're teaching
7 response.

8 Q. Does the county have employees
9 or volunteers such as yourself do a liquid
10 propane training to fight fires or are there
11 people from outside of Dutchess County that
12 are involved in that training?

13 A. Well, there can always be the
14 state fire instructors that are involved, it
15 all depends on what class they're running.

16 Q. Let's direct your attention only
17 to classes on fighting liquid propane fires,
18 are those classes that you teach in any
19 capacity with regard to the County of
20 Dutchess?

21 A. No, I don't teach any county
22 classes. I worry about my hazmat team, I
23 have to get trained as well as they do.

24 Q. Okay. Are there people that
25 teach you and members of your hazmat team

1 VanBuren

2 about fighting live liquid propane fires?

3 A. Yes.

4 Q. And are they state people, if
5 you know?

6 A. State, International Association
7 of Fire Chiefs. We go to many seminars and
8 courses throughout the --- throughout the
9 year. Probably the most notable one is the
10 International Association of Fire Chiefs
11 hazmat seminar which occurs in Baltimore
12 every year.

13 Q. Okay. Sir, I show you a
14 document marked at a prior deposition on
15 March 10th as Exhibit 18. If you would take
16 a look at that, sir, it's a three page
17 document and it says on the top "Resume, John
18 T. Hart", H-A-R-T. Take a look at that, sir,
19 if you would, please. Sir, if you would,
20 have you ever met John T. Hart, who is
21 present today, prior to today?

22 A. I believe I have.

23 Q. Okay.

24 A. He says he remembers me, so...

25 MR. HART: How could I forget.

1 VanBuren

2 BY MR. LYNCH:

3 Q. With regard to that Exhibit 18,
4 sir, I want you to assume that all the
5 certifications on the front page are correct
6 and accurate.

7 A. It's a given.

8 Q. Okay. Would you agree with me
9 that Mr. Hart is a qualified expert in liquid
10 propane matters?

11 A. Without a doubt.

12 Q. Okay. And would you agree with
13 me, sir, if he gives an opinion on something
14 it would be an honest opinion based upon his
15 experience in fighting liquid propane fires?

16 A. Sure, yes.

17 Q. Okay. Let me direct your
18 attention, if I can, to a meeting that
19 occurred, and I'm going to give you a
20 document that might help refresh your
21 recollection as to when it occurred. If you
22 would, sir, take a look at an Exhibit 16
23 which is from today's deposition. I'm going
24 to represent to you, sir, it's an e-mail from
25 Dan Silvestri or a document that Dan

1 VanBuren

2 Silvestri had authored.

3 Just take a look at it, if you
4 would, just on the front page, and
5 specifically at the bottom of the front page.
6 If you want to go through the whole document
7 and read it, please feel free to do that. If
8 when you're finished looking at it, please
9 look up and tell me. And, sir, on the bottom
10 of that particular exhibit it references an
11 April 8th of 2021 meeting; do you see that,
12 sir?

13 A. Yup.

14 Q. And it references your name
15 along with John Hart; do you see that, sir?

16 A. Yep.

17 Q. It also references other
18 people's names, too; do you see that, sir?

19 A. Yes, I do.

20 Q. Does looking at that particular
21 document refresh your recollection if on or
22 about April 8th of 2021 you attended a
23 meeting --- (Interrupted)

24 A. Yes.

25 Q. --- in which John Hart was

1 VanBuren

2 present?

3 A. Yes.

4 Q. Okay. And can you tell me
5 generally what you recollect about the
6 meeting, if you can recall?

7 A. Dan Silvestri asked me to come,
8 being that he's the commissioner of the
9 Rombout Fire District and his property is
10 almost adjacent to this property, he had
11 concerns about the tanks and he asked me if I
12 would come and give my opinion on the tanks.

13 Q. Okay. And at this time, being
14 April 8th of 2021, did you have an
15 understanding that the tanks, we're referring
16 now to liquid propane tanks, that they were
17 aboveground tanks?

18 A. At the time they were
19 aboveground.

20 Q. Okay. And do you recollect if
21 prior to today you learned that the proposed
22 Downey Energy farms were to be below ground?

23 A. Yes.

24 Q. Okay. And --- (Interrupted)

25 A. It alleviates a lot of concerns.

1 VanBuren

2 Q. Okay. Off the record.

3
4 (DISCUSSION OFF THE RECORD)

5
6 Q. Going back to the August ---
7 sorry, going back to the April 8th of 2021
8 meeting where you and Mr. Hart were present,
9 do you have any recollection of Mr. Hart
10 showing this particular piece of equipment
11 marked as Plaintiff's 17? Off the record.

12
13 (DISCUSSION OFF THE RECORD)

14
15 Q. Mr. VanBuren, that particular
16 Exhibit 17, my understanding is it's called
17 an internal valve, sir. Do you have any
18 recollection of Mr. Hart showing you that at
19 that April 8th of 2021 meeting?

20 A. I can't honestly remember if he
21 showed it or didn't. If John says he did, he
22 did.

23 Q. That's okay.

24 A. I don't specifically remember
25 the valve itself.

1 VanBuren

2 Q. That's okay. Would it be fair
3 to say that that particular Exhibit 17 valve
4 is something that allows for a shutoff of any
5 liquid propane very quickly, if you know?

6 A. It does.

7 Q. Okay. I also show you again an
8 item which is from today's deposition as
9 Plaintiff's 18, it's approximately a one and
10 a half inch disc of a metal substance. Do
11 you have any recollection if Mr. Hart had
12 shown you on the April 8, 2021 meeting that
13 that was the general thickness of any tank
14 that was proposed on the Downey farms?

15 A. I can't remember that.

16 Q. That's okay. Let me show you
17 --- off the record.

18
19 (DISCUSSION OFF THE RECORD)

20
21 Q. Let me show you a document
22 marked as Exhibit 19, which I'm told is a
23 steel back check valve; do you have any
24 recollection of seeing that particular valve
25 at the April 8, 2021 meeting?

1 VanBuren

2 A. I honestly can't say I remember
3 or don't remember.

4 Q. Okay. That's fair. Just trying
5 to move this deposition quicker. You
6 indicated that once you heard that the --- or
7 once you understood that the tanks were going
8 to be buried underground that alleviated some
9 concerns you have; do you recall saying that
10 a few minutes ago?

11 A. Oh, yes.

12 Q. Tell me what the concerns were
13 that were eliminated by having the tanks
14 buried in the ground as best you recall
15 concerning the Downey project?

16 A. Mainly a BLEVE.

17 Q. And to the best of your
18 knowledge would having the tanks underground
19 eliminate the potential for a BLEVE?

20 A. Correct.

21 Q. Any other concerns that were
22 eliminated based upon the tanks being
23 underground except for the BLEVE being
24 eliminated?

25 A. No, I have no concerns for the

1 VanBuren

2 tanks underground, it would just be the
3 piping system above the ground.

4 Q. Okay. Can you tell me what your
5 concerns --- are these present concerns you
6 have about the piping above the ground?

7 A. No, because I think they can be
8 protected with barriers.

9 Q. Okay. And as you sit here
10 today, knowing that the tanks are going to be
11 underground, are there any concerns that you
12 have about the ability to fight any liquid
13 propane fires at the Downey project, assuming
14 it gets approved?

15 A. Yes.

16 Q. Tell me what your concerns are.

17 A. Well, first of all, there's no
18 municipal water system in the area, so the
19 water--- (Interrupted)

20 Q. Tell me --- sorry, that's okay.

21 A. Water would have to be tanked in
22 by tankers.

23 Q. Okay.

24 A. Okay. Now, if we eliminate the
25 tanks aboveground the quantity of water that

1 VanBuren

2 we would need goes greatly down.

3 Q. So let's assume for the sake of
4 discussion --- in fact, don't even assume it,
5 I believe that in Exhibit 16 Mr. Silvestri
6 makes reference on the second page about a
7 30,000 gallon water storage tank. Take a
8 look at this, if you would, sir. Off the
9 record.

10
11 (DISCUSSION OFF THE RECORD)

12
13 A. Once again, with the tanks
14 buried the need for this isn't there.

15 Q. Just for the record, when you
16 say this you mean the 30,000 gallon water
17 tank; correct?

18 A. Correct.

19 Q. Let's assume, if you can, and
20 I'm going to represent, I'm going to tell you
21 that the Downey project currently as
22 contemplated, meaning underground, will still
23 have a 30,000 gallon water supply at the
24 site, assume that; would that eliminate your
25 concerns about the water to fight fires?

1 VanBuren

2 A. Oh, without a doubt.

3 Q. Okay. And that 30,000 gallon
4 tank, water tank, if it was there at the site
5 of the Downey project that could also be used
6 by local firefighters to fight fires on Route
7 9 if any trucks or accidents took place on
8 Route 9, wouldn't that be fair also?

9 A. If the --- (Interrupted)

10 Q. In that vicinity.

11 A. If the facility would allow it.

12 Q. Right.

13 A. Since it's private equipment
14 they can say you're not, you know...

15 Q. Right. And if I were to
16 represent to you that the Downey project will
17 allow firefighters to have access to that
18 30,000 water gallon with nothing to do with
19 the Downey tanks but for general firemanic
20 purposes would that improve safety in that
21 area?

22 A. It would enhance it greatly,
23 because right now there's no water systems,
24 there's no hydrants, there's no --- because
25 this involves a pump, as well; correct? So

1 VanBuren

2 we don't have anything like that in that area
3 of the town.

4 Q. Right.

5 A. It's on the --- it's on the ---
6 just over the line from my town is the Town
7 of Fishkill where I'm the fire inspector, but
8 it's at the south end of the Hughsonville
9 Fire District, which I'm a deputy coordinator
10 for, so, you know, that's how I get involved
11 with this.

12 Q. So let's assume for the sake of
13 today's deposition --- (Interrupted)

14 A. Yeah.

15 MR. LYNCH: Off the record.

16

17 (DISCUSSION OFF THE RECORD)

18

19 Q. --- that there is a 30,000
20 gallon water tank that is at the site that is
21 available to all the local firefighters for
22 other purposes; would that address your water
23 concerns about the Downey project?

24 A. It would.

25 Q. Okay. What other concerns, if

1 VanBuren

2 any, do you have today if I were to tell you
3 that the Downey project will have a 30,000
4 gallon water source for use for the Downey
5 site and also for the general firefighting
6 purposes and they'll also have a monitor ---
7 (Interrupted)

8 MR. HART: Unmanned monitor built
9 onto the pump set on the ---
10 (Interrupted)

11 MR. LYNCH: Whoa, whoa, whoa.
12 Okay. Let me talk. Just for the
13 record, I'm going to ask Mr. Hart to say
14 that so that he can say it correctly.
15 Mr. Hart, what else also is proposed for
16 this particular project so I don't mess
17 it up when I say it?

18 MR. HART: The 30,000 gallon
19 water storage will have a pump and it
20 will also be hooked up to an unmanned
21 monitor which will be preset at the
22 points of transfer, point of transfer,
23 because it will be a single point.

24 THE WITNESS: Point.

25 MR. HART: And the tanks will be

1 VanBuren

2 buried and mounded and they'll have a
3 knee wall so nothing can broach them but
4 they can still dissipate the product.
5 And they're moved further back, so I
6 think we have a 3 to 1 or a 4 to 1
7 safety factor now for the gas to
8 dissipate.

9 THE WITNESS: John, go back to
10 what you just said, dissipate. Are we
11 going to have gas detectors that if we
12 have a leak --- (Interrupted)

13 MR. HART: I don't like ---
14 (Interrupted)

15 MR. LYNCH: Just one second, let
16 him finish the question.

17 MR. HART: It's not out of ---
18 (Interrupted)

19 MR. LYNCH: No, no.

20 MR. HART: Go ahead.

21 MR. LYNCH: Sorry, are you
22 finished?

23 THE WITNESS: No.

24 MR. LYNCH: Okay. That's what I
25 said, let him finish.

1 VanBuren

2 THE WITNESS: We have the water,
3 we have the unmanned monitor, we have
4 detectors. The real concern is --- the
5 only concern I have left is the fact
6 that these tanks are going to be on the
7 top of that rise with everything ---
8 with the molecular weight of propane
9 coming down it's going to come down
10 right where the fire department has got
11 to come in. And I'm thinking if we can
12 somehow, with a gas detector, initiate
13 that system to disburse the vapor cloud
14 instead of guys driving into it, it's a
15 piece of cake then.

16 MR. HART: Am I allowed to
17 respond?

18 MR. LYNCH: Yeah, yeah. Just for
19 the record, I'm letting Mr. Hart respond
20 to Mr. VanBuren's concerns with
21 Mr. VanBuren's permission. Go ahead,
22 Mr. Hart.

23 MR. HART: There are pros and
24 cons to the Sniffer, technical term, to
25 the gas detector.

1 VanBuren

2 THE WITNESS: Okay.

3 MR. HART: Because every time we
4 did a transfer, at the end of the
5 transfer, although it's a small amount
6 of gas, we vent some propane and it,
7 over the years, has had a tendency to
8 have some issues with false positives.
9 Having said that, depending on where we
10 placed it and how it was maintained I
11 have put them in. It would be down by
12 the swamp because that's where all the
13 gas is going to go anyway.

14 THE WITNESS: You and I both know
15 that, we understand that, that's the
16 science of it.

17 MR. HART: And it would be hooked
18 up to --- it would be hooked up to the
19 alarm company typically.

20 THE WITNESS: Yup.

21 MR. HART: That's what we did in
22 the Town of Poughkeepsie on
23 Vanderhisen(Phonetic) Avenue or whatever
24 with the 430's there, but it has to be
25 done right otherwise it's more of a

1 VanBuren

2 problem than a benefit to you.

3 Number 2, you're going to have
4 two accesses, south and north now, and
5 all you're going to have to do is hit a
6 button to energize the site. So if you
7 can hit a button with an inch and a half
8 hose stream you don't even have to go on
9 the site to activate it.

10 So I'm not saying that the gas
11 detector is not feasible, but it's not
12 in my top ten, because of the way that
13 business is conducted you can have ---
14 and if a deer in the summertime gets hit
15 and dies in the swamp and the wind blows
16 back toward the detector it's going to
17 set it off, too, because it can't ---
18 they're not good enough just to sniff
19 propane, and that's been my experience.

20 I got called out at 2 o'clock in
21 the morning on some things that weren't
22 propane leaks because of the Sniffers.

23 MR. LYNCH: But, Mr. Hart,
24 Mr. VanBuren can respond if he wants to
25 know anything.

1 VanBuren

2 THE WITNESS: Well, John, thank
3 you for the update. You just updated
4 me. The last time I saw this I didn't
5 know there were two accesses to the
6 site, north and south. There was only
7 going to be the one access, they were
8 going to put one hydrant on that access,
9 that was it, you know. And, you know,
10 the fact that now --- because this was
11 the very early stages when you and I met
12 the first time and a lot of these
13 concerns have been handled.

14 I told Dan Silvestri the fact
15 that they're burying the tanks takes
16 away the BLEVE issue. So the only
17 concern I have, as the county hazmat guy
18 and the battalion coordinator for the
19 Hughsonville Fire District, is the fact
20 that it's on a rise, and you and I know
21 that propane is going to go down, and if
22 we can disperse those vapors so the guys
23 coming in are safe I don't have an
24 issue.

25 MR. LYNCH: Can that be done?

1 VanBuren

2 MR. HART: Yes. And it ---

3 (Interrupted)

4 MR. LYNCH: Okay. That's it,
5 your answer is yes.

6 MR. HART: Okay.

7 BY MR. LYNCH:

8 Q. Mr. VanBuren, any other
9 questions that you have about the safety,
10 assuming what Mr. Hart says is correct
11 regarding the Downey Energy project?

12 A. I would only ask that Downey
13 Energy deeps the Hughsonville Fire District
14 and their mutual aid partners in the loop
15 with site access, site training, site
16 familiarization going forward so that
17 everybody can understand everything that
18 John's talking about.

19 I understand it, but your
20 volunteer firefighter who might be an 18 year
21 old kid doesn't have an idea. When I say to
22 him vapor density, he doesn't know what we're
23 talking about. When I say to him molecular
24 weight, he doesn't know what we're talking
25 about. John and I understand that, okay.

1 VanBuren

2 You can see by the picture that the propane
3 doesn't go up, it goes down, and if we can
4 alleviate that with what John says is a
5 dispersion type nozzle for a leak, then
6 there's no reason why this can't be safely
7 installed and maintained.

8 MR. LYNCH: Thank you. No
9 further questions. Done.

10 THE COURT REPORTER: Once again,
11 Mr. Lynch, are you ordering an original
12 and one, hard copy and pdf, of this
13 transcript?

14 MR. LYNCH: Yes, please. Thank
15 you.

16
17 (Whereupon the deposition of
18 STEVEN P. VANBUREN, was completed at
19 11:40 a.m.)

20 * * * *

ACKNOWLEDGEMENT OF DEPONENT

I, STEVEN P. VANBUREN, do hereby
acknowledge I have read and examined the
foregoing pages of testimony, and the same is a
true, correct and complete transcription of the
testimony given by me, and any changes or
corrections, if any, appear in the attached
errata sheet signed by me.

DATE

STEVEN P. VANBUREN

Sworn to before me this _____
day of _____, 2023.

X _____
NOTARY PUBLIC

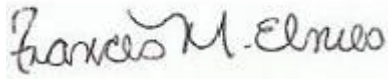
1 STATE OF NEW YORK)
2) ss:
3 COUNTY OF DUTCHESS)

4 I, FRANCES M. ELMES, a stenotype reporter
5 and Notary Public within and for the State of
6 New York, do hereby certify:

7
8 That, STEVEN P. VANBUREN, the witness
9 whose deposition is hereinbefore set forth, was
10 duly sworn by me, and that the transcript of
11 said deposition is a true record of the
12 testimony given by such witness.

13
14 I further certify that I am not related to
15 any of the parties to this action by blood or
16 marriage, and that I am in no way interested in
17 the outcome of this matter.

18
19 IN WITNESS WHEREOF, I have hereunto set my
20 hand this 24th day of March, 2023.

21
22
23 X 
24 FRANCES M. ELMES
25

I N D E X

EXAMINATION BY	PAGE
MR. LYNCH	4

PLAINTIFF'S EXHIBITS
MARKED FOR IDENTIFICATION

NUMBER	ITEM	PAGE
EXHIBIT 20	SUBPOENA	5

DEFENDANT'S EXHIBITS
MARKED FOR IDENTIFICATION

LETTER	ITEM	PAGE
EXHIBIT	NONE	

DOCUMENTS AND INFORMATION REQUESTED

ITEM	PAGE
NONE	

QUESTIONS MARKED FOR RULING

QUESTION	PAGE
NONE	

[illegible]

A	although (1) 34:5	barriers (1) 27:8	5:17	35:13
	always (1) 19:13	Barton (2) 13:9,23	called (3) 17:16;24:16;35:20	connect (1) 17:19
ability (2) 6:20;27:12	amount (1) 34:5	based (2) 21:14;26:22	came (1) 5:22	cons (1) 33:24
above (2) 27:3,6	approved (1) 27:14	basic (1) 6:17	can (29) 5:13;6:2,9,10;8:15; 10:8;12:3;15:23; 17:18;19:13;21:18; 23:4,6;27:4,7;28:19; 29:14;31:14;32:3,4; 33:11;35:7,13,24; 36:22,25;37:17;38:2, 3	consist (1) 13:11
aboveground (3) 23:17,19;27:25	approximate (1) 14:5	battalion (7) 11:19,20;12:6,7,12, 15;36:18	capacity (2) 14:20;19:19	consisted (1) 13:12
access (4) 29:17;36:7,8;37:15	approximately (9) 7:20;8:11;9:9; 10:4;11:23;16:7,12, 14;25:9	Beacon (1) 12:21	captain (1) 16:5	consult (1) 15:3
accesses (2) 35:4;36:5	April (7) 22:11,22;23:14; 24:7,19;25:12,25	below (1) 23:22	case (1) 5:18	contemplated (1) 28:22
accidents (1) 29:7	area (3) 27:18;29:21;30:2	benefit (1) 35:2	center (3) 18:12,24;19:2	continue (2) 7:12;17:11
accurate (1) 21:6	arsenal (1) 17:17	best (3) 17:3;26:14,17	certifications (1) 21:5	Coordinator (6) 11:18,22;14:22; 16:3;30:9;36:18
activate (1) 35:9	assembly (1) 14:2	big (1) 13:25	changes (1) 6:10	coordinators (1) 16:4
active (1) 13:6	assistant (1) 16:4	birth (1) 8:3	check (1) 25:23	copy (2) 5:12;38:12
activity (1) 11:13	association (3) 11:13;20:6,10	BLEVE (4) 26:16,19,23;36:16	Chelsea (1) 8:17	correct (9) 7:24;14:14;15:11; 21:5;26:20;28:17,18; 29:25;37:10
actually (2) 5:14;6:9	assume (6) 21:4;28:3,4,19,24; 30:12	blows (1) 35:15	Chiefs (2) 20:7,10	correctly (1) 31:14
addition (1) 11:11	assuming (2) 27:13;37:10	both (1) 34:14	civil (1) 7:16	County (17) 11:19;12:10;14:21; 15:10,13,17,23; 18:10,12;19:4,4,6,8, 11,19,21;36:17
additional (1) 16:7	attended (1) 22:22	Bottini (1) 13:12	class (1) 19:15	courses (1) 20:8
address (2) 4:11;30:22	attention (2) 19:16;21:18	bottom (2) 22:5,9	classes (4) 17:13;19:17,18,22	COURT (2) 5:5;38:10
adjacent (1) 23:10	August (5) 14:7,12,16;16:18; 24:6	break (2) 14:25;15:22	close (2) 12:2,3	current (1) 11:12
again (3) 25:7;28:13;38:10	authored (1) 22:2	brief (1) 15:22	cloud (1) 33:13	currently (1) 28:21
against (1) 4:22	available (1) 30:21	bring (2) 7:7,9	coming (4) 6:18,23;33:9;36:23	cylinder (2) 10:23;11:2
ago (2) 10:18;26:10	Avenue (1) 34:23	broach (1) 32:3	commercial (1) 13:14	cylinders (1) 16:21
agree (2) 21:8,12	away (1) 36:16	building (1) 9:6	commissioner (1) 23:8	D
ahead (2) 32:20;33:21	B	buildings (1) 13:14	company (6) 12:17,18,24,25; 13:13;34:19	
aid (2) 12:14;37:14		built (1) 31:8	completed (1) 38:18	damage (1) 10:16
alarm (1) 34:19	back (7) 6:13;24:6,7;25:23; 32:5,9;35:16 ballpark (2) 10:11;11:25 Baltimore (1) 20:11 bar (1) 14:2 Barbecue (1) 16:24 barn (1) 14:2	buried (4) 26:8,14;28:14;32:2	concern (3) 33:4,5;36:17	Dan (4) 21:25,25;23:7; 36:14
alleviate (1) 38:4		burn (2) 17:15,20	concerning (1) 26:15	date (2) 8:2;14:5
alleviated (1) 26:8		burying (1) 36:15	concerns (16) 4:23;23:11,25; 26:9,12,21,25;27:5,5, 11,16;28:25;30:23, 25;33:20;36:13	deal (1) 9:19
alleviates (1) 23:25		business (1) 35:13	conducted (1)	deeps (1) 37:13
allow (2) 29:11,17		button (2) 35:6,7		deer (1) 35:14
allowed (1) 33:16		C		delivery (1) 13:13
allows (1) 25:4				
almost (1) 23:10		cake (1) 33:15		
along (1) 22:15		call (1)		

Dennis (1) 4:16	28:2;33:9,9;34:11; 36:21;38:3	exactly (1) 12:11	11;14:17,20;15:16; 16:19;19:3,6,14;20:7, 10;23:9;30:7,9; 33:10;36:19;37:13	5:14
density (1) 37:22	Downey (16) 4:21,23;7:8;23:22; 25:14;26:15;27:13; 28:21;29:5,16,19; 30:23;31:3,4;37:11, 12	examined (1) 4:5	firefighter (4) 13:4;16:13,20; 37:20	god (1) 14:18
department (4) 9:6;15:14;18:11; 33:10	driving (1) 33:14	except (1) 26:23	firefighters (3) 29:6,17;30:21	goes (2) 28:2;38:3
departments (2) 15:16;19:4	drop (1) 17:21	EXHIBIT (13) 5:7,14,16;7:5,6; 20:15;21:3,22;22:10; 24:16;25:3,22;28:5	firefighting (1) 31:5	Good (2) 4:15;35:18
depending (1) 34:9	duly (1) 4:3	experience (3) 13:3;21:15;35:19	firemanic (2) 11:13;29:19	greatly (2) 28:2;29:22
depends (1) 19:15	during (1) 14:24	expert (1) 21:9	fires (13) 9:20,24;10:2; 12:15;17:5,9;19:10, 17:20;2:21;15;27:13; 28:25;29:6	grills (1) 16:24
deposed (1) 7:20	Dutchess (9) 11:19;14:21;15:10, 17,23;18:10;19:4,11, 20	explain (1) 4:16	first (4) 4:3;11:21;27:17; 36:12	ground (4) 23:22;26:14;27:3,6
deposition (14) 4:18;5:18;6:18,24; 7:13,16,23;14:24; 20:14;21:23;25:8; 26:5;30:13;38:17	E	F	Fishkill (5) 8:7;9:4,6,13;30:7	guide (1) 19:5
Deputy (7) 11:18,22;14:22; 15:9;16:3,4;30:9	earlier (1) 17:23	facility (1) 29:11	flammable (1) 17:12	guidelines (2) 18:13,16
details (1) 7:16	early (1) 36:11	fact (5) 28:4;33:5;36:10, 14,19	flaring (1) 17:16	guy (1) 36:17
detector (4) 33:12,25;35:11,16	eliminate (3) 26:19;27:24;28:24	false (1) 34:8	follows (1) 4:6	guys (2) 33:14;36:22
detectors (2) 32:11;33:4	eliminated (3) 26:13,22,24	familiarization (1) 37:16	forget (1) 20:25	
device (1) 17:16	else (1) 31:15	far (1) 5:20	forward (2) 8:22;37:16	half (2) 25:10;35:7
dies (1) 35:15	e-mail (1) 21:24	farm (2) 13:15,16	free (3) 10:24;15:6;22:7	hall (1) 14:2
direct (2) 19:16;21:17	Emergency (2) 15:15;18:11	farms (2) 23:22;25:14	front (4) 18:21;21:5;22:4,5	Hamburg (1) 12:22
disburse (1) 33:13	employed (3) 9:3,5,9	feasible (1) 35:11	further (2) 32:5;38:9	handle (1) 17:15
disc (1) 25:10	employees (1) 19:8	feel (2) 15:6;22:7	G	handled (1) 36:13
DISCUSSION (9) 14:10;15:20;18:5; 24:4,13;25:19;28:4, 11;30:17	employment (3) 9:12,19;11:12	few (2) 6:17;26:10	gallon (8) 28:7,16,23;29:3, 18;30:20;31:4,18	hard (1) 38:12
disperse (1) 36:22	end (3) 6:6;30:8;34:4	fields (1) 13:20	gallons (1) 10:25	Hart (29) 20:18,20,25;21:9; 22:15,25;24:8,9,18; 25:11;31:8,13,15,18, 25;32:13,17,20; 33:16,19,22,23;34:3, 17,21;35:23;37:2,6, 10
dispersion (1) 38:5	energize (1) 35:6	fight (6) 13:6;16:19;19:10; 27:12;28:25;29:6	gas (8) 17:12;32:7,11; 33:12,25;34:6,13; 35:10	H-A-R-T (1) 20:18
dissipate (3) 32:4,8,10	Energy (6) 4:22,24;7:9;23:22; 37:11,13	fighting (4) 17:4;19:17;20:2; 21:15	general (6) 4:19;6:14;7:22; 25:13;29:19;31:5	Hazmat (11) 14:21;15:10,15,23; 17:4,13,18;19:22,25; 20:11;36:17
District (4) 23:9;30:9;36:19; 37:13	enhance (1) 29:22	filed (1) 4:21	generally (3) 4:24;12:12;23:5	heard (1) 26:6
document (11) 5:2,11;17:23;18:8; 20:14,17;21:20,25; 22:6,21;25:21	enough (1) 35:18	fine (1) 11:25	gets (2) 27:14;35:14	heating (1) 11:10
documents (2) 7:7,9	equipment (5) 13:15,16,19;24:10; 29:13	finish (3) 18:2;32:16,25	given (4) 5:12;6:7;7:13;21:7	help (1) 21:20
done (3) 34:25;36:25;38:9	even (2) 28:4;35:8	finished (2) 22:8;32:22	gives (1) 21:13	herein (1) 4:2
doubt (2) 21:11;29:2	events (1) 6:21	fire (24) 9:15,17;11:18; 12:16,18,23,25;13:6,	giving (1)	hit (3) 35:5,7,14
down (6)	everybody (1) 37:17			hold (1) 11:23
				home (1)

5:13 honest (1) 21:14 honestly (2) 24:20;26:2 honorary (1) 12:21 hooked (3) 31:20;34:17,18 Hose (3) 12:21;17:20;35:8 Hughsonville (5) 12:10,23;30:8; 36:19;37:13 hydrant (1) 36:8 hydrants (1) 29:24	37:3 into (1) 33:14 involved (6) 5:19;11:2;15:24; 19:12,14;30:10 involvement (1) 5:25 involves (2) 4:18;29:25 issue (2) 36:16,24 issues (1) 34:8 item (1) 25:8	16:5 life (2) 12:20,22 line (1) 30:6 liquid (22) 9:19,21,23;10:14, 17,21;11:7;13:6,11; 14:16;16:19;17:5,8, 12;19:9,17;20:2; 21:9,15;23:16;25:5; 27:12 litigation (2) 4:21,25 live (3) 13:6;16:19;20:2 LLC (1) 4:22 local (2) 29:6;30:21 long (3) 9:8;11:22;16:12 look (10) 7:3,4;17:24;18:2; 20:16,18;21:22;22:3, 9;28:8 looking (2) 22:8,20 loop (1) 37:14 lot (2) 23:25;36:12 LYNCH (20) 4:10,16;5:3;14:8; 15:18;21:2;30:15; 31:11;32:15,19,21, 24;33:18;35:23; 36:25;37:4,7;38:8,11, 14	medication (1) 6:19 meeting (8) 21:18;22:11,23; 23:6;24:8,19;25:12, 25 member (4) 12:16,20,22,24 members (2) 16:7;19:25 mentioned (2) 12:5;15:9 mess (1) 31:16 met (2) 20:20;36:11 metal (1) 25:10 middle (1) 4:13 might (3) 10:7;21:20;37:20 minutes (1) 26:10 molecular (2) 33:8;37:23 monitor (4) 31:6,8,21;33:3 months (1) 13:7 more (1) 34:25 morning (2) 4:15;35:21 most (1) 20:9 mounded (1) 32:2 move (1) 26:5 moved (1) 32:5 moving (1) 8:22 multi-pages (1) 17:25 municipal (1) 27:18 mutual (2) 12:14;37:14	5:3 non-party (1) 5:17 north (2) 35:4;36:6 Northeast (1) 4:22 notable (1) 20:9 notarize (2) 6:12,13 Notary (1) 4:3 notice (1) 5:17 nozzle (1) 38:5 Nuclear (1) 9:14 number (3) 5:4;17:24;35:3
I	John (9) 20:17,20;22:15,25; 24:21;32:9;36:2; 37:25;38:4 John's (1) 37:18			O
idea (2) 7:23;37:21 IDENTIFICATION (1) 5:9 improve (1) 29:20 inch (2) 25:10;35:7 incident (1) 16:17 Indian (6) 9:14,18,24;10:18; 11:7;13:5 indicated (1) 26:6 indicating (1) 18:20 initial (1) 4:13 initiate (1) 33:12 injured (2) 10:13;14:15 inspector (1) 30:7 installed (1) 38:7 instead (1) 33:14 instructors (2) 19:6,14 interfere (1) 6:20 internal (1) 24:17 International (2) 20:6,10 Interrupted (17) 7:17;14:6,25;15:4; 16:2,23;22:23;23:24; 27:19;29:9;30:13; 31:7,10;32:12,14,18;	K keep (1) 5:15 kid (1) 37:21 knee (1) 32:3 knowing (1) 27:10 knowledge (1) 26:18 known (1) 7:8			occasion (2) 13:5;16:18 occurred (2) 21:19,21 occurs (1) 20:11 o'clock (1) 35:20 October (2) 18:17,19 Off (19) 14:8,10;15:18,20; 17:16,20;18:3,5;24:2, 4,11,13;25:17,19; 28:8,11;30:15,17; 35:17 officer (1) 16:6 offices (1) 11:14 old (2) 10:23;37:21 once (4) 26:6,7;28:13;38:10 One (10) 10:5;11:22;17:14, 14;20:9;25:9;32:15; 36:7,8;38:12 only (5) 19:16;33:5;36:6, 16;37:12 onto (1) 31:9 operating (2) 18:13;19:5 opinion (3) 21:13,14;23:12 orchard (2) 13:25;16:17
	L	M	N	
	large (1) 13:14 last (3) 4:14;13:7;36:4 leak (6) 10:2,14,17,22; 32:12;38:5 leaking (1) 17:19 leaks (3) 10:3;17:15;35:22 learned (1) 23:21 left (1) 33:5 letting (1) 33:19 Lewis (1) 12:20 lieutenants (1)	mail (1) 6:13 Mainly (1) 26:16 maintained (2) 34:10;38:7 makes (1) 28:6 many (4) 7:19;10:3,25;20:7 March (1) 20:15 MARKED (7) 5:8,15;17:23;18:8; 20:14;24:11;25:22 matters (1) 21:10 mean (3) 8:23;13:17;28:16 meaning (1) 28:22		

Orchards (2) 13:9,23	4:20	props (2) 18:23;19:2	record (19) 14:8,10;15:18,20; 18:3,5;24:2,4,11,13; 25:17,19;28:9,11,15; 30:15,17;31:13; 33:19	17:19
ordering (1) 38:11	PLAINTIFF'S (5) 5:7;17:24;18:8; 24:11;25:9	pros (1) 33:23		running (1) 19:15
organization (1) 15:14	Plant (1) 9:14	protected (1) 27:8		S
original (1) 38:11	please (9) 4:12;5:4;7:4;8:3; 17:11;20:19;22:7,8; 38:14	protection (2) 9:15,18	reference (1) 28:6	safe (1) 36:23
otherwise (1) 34:25	Point (9) 9:14,18,24;10:18; 11:8;13:5;31:22,23, 24	provides (1) 15:15	references (3) 22:10,14,17	safely (1) 38:6
out (5) 17:20;18:12,16; 32:17;35:20	points (2) 5:23;31:22	Public (2) 4:4;14:2	referencing (1) 17:8	safety (4) 16:6;29:20;32:7; 37:9
outbuildings (1) 11:10	position (3) 11:23;16:8,9	pump (3) 29:25;31:9,19	referring (2) 13:22;23:15	sake (2) 28:3;30:12
outside (1) 19:11	positives (1) 34:8	purpose (1) 4:17	refers (1) 5:18	saw (1) 36:4
over (4) 12:13;16:20;30:6; 34:7	potential (1) 26:19	purposes (3) 29:20;30:22;31:6	refresh (2) 21:20;22:21	saying (2) 26:9;35:10
overfilled (1) 17:19	Poughkeepsie (1) 34:22	put (5) 10:11;18:11,16; 34:11;36:8	regard (5) 4:21;7:8;12:12; 19:19;21:3	science (1) 34:16
own (1) 8:19	preparation (1) 6:25	Q	regarding (2) 18:16;37:11	seal (1) 10:24
P	present (7) 8:18;9:2;12:17; 20:21;23:2;24:8;27:5	quadrant (1) 12:9	remember (5) 24:20,24;25:15; 26:2,3	second (3) 7:5;28:6;32:15
page (7) 7:6;18:21;20:16; 21:5;22:4,5;28:6	preset (1) 31:21	qualified (1) 21:9	remembers (1) 20:24	seeing (1) 25:24
paid (1) 16:8	pressure (1) 17:21	quantity (1) 27:25	reporter (4) 4:12;5:5;6:8;38:10	seminar (1) 20:11
particular (15) 7:5,6;11:7;12:25; 13:10;14:16;15:24; 18:7;22:10,20;24:10, 15;25:3,24;31:16	Prior (5) 6:18,23;20:14,21; 23:21	question (1) 32:16	represent (4) 4:20;21:24;28:20; 29:16	seminars (1) 20:7
partners (1) 37:14	private (3) 13:15,17;29:13	quicker (1) 26:5	reside (2) 8:6,15	services (1) 9:19
past (1) 11:12	probably (3) 4:19;12:3;20:9	quickly (1) 25:5	resided (1) 8:8	set (2) 31:9;35:17
pdf (1) 38:12	problem (1) 35:2	R	respond (4) 12:14;33:17,19; 35:24	several (1) 5:23
people (4) 15:25;19:11,24; 20:4	process (3) 5:23;6:7,14	read (1) 22:7	responded (1) 14:19	show (7) 5:2,11;17:22; 20:13;25:7,16,21
people's (1) 22:18	product (1) 32:4	real (2) 12:3;33:4	Response (4) 15:15,16;18:11; 19:7	showed (1) 24:21
permission (1) 33:21	project (11) 4:24;7:8;26:15; 27:13;28:21;29:5,16; 30:23;31:3,16;37:11	reason (2) 15:6;38:6	result (2) 10:14,17	showing (2) 24:10,18
phone (1) 15:4	propane (29) 9:20,21,24;10:14, 17,21;11:7;13:6,11; 14:16;16:19;17:5,9, 12,15;19:10,17;20:2; 21:10,15;23:16;25:5; 27:13;33:8;34:6; 35:19,22;36:21;38:2	recall (4) 6:21;23:6;26:9,14	Resume (1) 20:17	shown (1) 25:12
picture (1) 38:2	property (5) 8:19;10:16,20; 23:9,10	RECEIVED (1) 5:8	review (2) 6:10;18:2	shutoff (1) 25:4
piece (2) 24:10;33:15	proposed (3) 23:21;25:14;31:15	recent (1) 9:12	right (8) 5:20;8:6;29:12,15, 23;30:4;33:10;34:25	sign (1) 6:12
piping (2) 27:3,6		recognize (1) 18:7	rise (2) 33:7;36:20	Silvestri (5) 21:25;22:2;23:7; 28:5;36:14
place (2) 10:22;29:7		recollect (2) 23:5,20	Road (1) 8:17	single (1) 31:23
placed (1) 34:10		recollection (8) 10:7;17:3;21:21; 22:21;24:9,18;25:11, 24	Rombout (1) 23:9	sit (1) 27:9
plaintiffs (1)		recollections (1) 5:25	Route (2) 29:6,8	site (11) 9:22;28:24;29:4; 30:20;31:5;35:6,9; 36:6;37:15,15,15
			run (1)	small (2) 16:21;34:5

snack (1) 14:2	34:12;35:15	7:19	understand (12) 4:25;5:20;6:4,15; 8:24;15:7,8;17:10; 34:15;37:17,19,25	19:9
sniff (1) 35:18	sworn (1) 4:3	today (7) 7:10;17:23;20:21, 21;23:21;27:10;31:2		W
Sniffer (1) 33:24	system (3) 27:3,18;33:13	today's (6) 6:18,24;14:24; 21:23;25:8;30:13	understanding (2) 23:15;24:16	wall (1) 32:3
Sniffers (1) 35:22	systems (1) 29:23	told (2) 25:22;36:14	Understood (2) 8:25;26:7	wants (1) 35:24
somehow (1) 33:12	T	Tompkins (1) 12:21	Unmanned (3) 31:8,20;33:3	Wappinger (5) 4:23;8:9,15,20,24
sometime (1) 10:18	talk (1) 31:12	took (2) 15:22;29:7	up (10) 5:22;6:8;17:19; 18:2;22:9;31:17,20; 34:18,18;38:3	water (15) 27:18,21,25;28:7, 16,23,25;29:4,18,23; 30:20,22;31:4,19; 33:2
sorry (3) 24:7;27:20;32:21	talking (4) 13:4;37:18,23,24	tools (1) 17:17	update (1) 36:3	water- (1) 27:19
source (1) 31:4	tank (7) 17:21;25:13;28:7, 17;29:4,4;30:20	top (3) 20:17;33:7;35:12	updated (1) 36:3	way (2) 14:23;35:12
south (3) 30:8;35:4;36:6	tanked (1) 27:21	toward (1) 35:16	upon (2) 21:14;26:22	ways (1) 17:15
southwest (1) 12:9	tankers (1) 27:22	Town (14) 4:22;8:5,7,9,15,19, 23,23;9:4,13;30:3,6, 6;34:22	use (4) 13:19;18:23,25; 31:4	weight (2) 33:8;37:24
speak (1) 6:24	tanks (18) 17:18;23:11,12,15, 16,17;26:7,13,18,22; 27:2,10,25;28:13; 29:19;31:25;33:6; 36:15	Tractors (1) 13:19	used (3) 11:7;19:3;29:5	weren't (1) 35:21
specifically (2) 22:5;24:24	teach (3) 19:18,21,25	train (1) 17:13	V	What's (3) 5:3;8:2;9:11
stages (1) 36:11	teaching (1) 19:6	trained (1) 19:23	valve (5) 24:17,25;25:3,23, 24	whereabouts (1) 8:14
stand (1) 17:20	Team (7) 14:21;15:10,23,24; 17:4;19:22,25	training (8) 17:3,6;18:12,24; 19:2,10,12;37:15	VanBuren (44) 4:1,2,14,15;5:1,12, 19;6:1;7:1;8:1;9:1; 10:1;11:1;12:1;13:1; 14:1;15:1;16:1;17:1; 18:1;19:1;20:1;21:1; 22:1;23:1;24:1,15; 25:1;26:1;27:1;28:1; 29:1;30:1;31:1;32:1; 33:1;34:1;35:1,24; 36:1;37:1,8;38:1,18	Whereupon (1) 38:17
standard (2) 18:12;19:5	technical (1) 33:24	transcript (5) 6:7,10,11,12;38:13	V-a-n-B-u-r-e-n (1) 4:14	whoa (3) 31:11,11,11
start (1) 11:21	telling (2) 7:15;18:18	transfer (4) 31:22,22;34:4,5	VanBuren's (2) 33:20,21	whole (3) 5:23;6:6;22:6
State (4) 4:4;19:14;20:4,6	ten (1) 35:12	truck (2) 13:13;17:18	VanderhisenPhonetic (1) 34:23	wind (1) 35:15
steel (1) 25:23	tendency (1) 34:7	trucks (1) 29:7	vapor (2) 33:13;37:22	within (3) 4:4;12:15;13:7
STEVEN (3) 4:2,13;38:18	term (1) 33:24	truthfully (1) 6:21	vapors (1) 36:22	without (3) 7:15;21:11;29:2
still (2) 28:22;32:4	testified (1) 4:5	try (1) 4:16	variety (1) 13:14	witness (9) 4:2;31:24;32:9,23; 33:2;34:2,14,20;36:2
storage (2) 28:7;31:19	testify (1) 6:21	trying (1) 26:4	vehicles (2) 13:15,17	worry (1) 19:22
stream (1) 35:8	testimony (1) 6:25	two (5) 13:14;16:4,5;35:4; 36:5	vent (1) 34:6	writing (1) 6:8
strike (1) 10:21	thanks (1) 15:8	type (1) 38:5	vicinity (1) 29:10	X
stuff (2) 14:2;16:24	thickness (1) 25:13	typed (1) 6:8	volunteer (4) 16:9,10,13;37:20	XX (1) 8:4
SUBPOENA (2) 5:8,17	thinking (1) 33:11	typically (1) 34:19	volunteers (1)	XXXX (1) 8:4
substance (2) 6:19;25:10	Three (2) 7:21;20:16	U		Y
summertime (1) 35:14	throughout (2) 20:8,8	under (2) 11:19;15:14		year (4) 10:7;20:9,12;37:20
supervisor (2) 9:15,18	timeframe (1) 10:12	underground (6) 26:8,18,23;27:2, 11;28:22		years (7) 9:10,12;12:4,13; 16:15,20;34:7
supplemental (1) 11:10	times (1)			
supply (1) 28:23				
Sure (1) 21:16				
swamp (2)				

Yep (1) 22:16	26 (1) 12:4			
York (1) 4:5	3			
Yup (3) 15:2;22:13;34:20	3 (1) 32:6 30,000 (8) 28:7,16,23;29:3, 18;30:19;31:3,18			
1				
1 (2) 32:6,6				
10 (1) 16:7	4			
10th (1) 20:15	4 (1) 32:6			
11:40 (1) 38:19	40 (1) 4:22			
12 (2) 13:7;16:7	430's (1) 34:24			
13 (2) 17:24;18:8	5			
15 (2) 9:10,12	50 (1) 16:20			
150 (2) 11:3,4	54 (1) 16:15			
16 (2) 21:22;28:5	7			
17 (3) 24:11,16;25:3	7 (3) 11:20;12:7,12			
18 (4) 20:15;21:3;25:9; 37:20	8			
19 (1) 25:22	8 (2) 25:12,25			
1951 (1) 8:4	8th (5) 22:11,22;23:14; 24:7,19			
1981 (1) 9:16				
2	9			
2 (2) 35:3,20	9 (2) 29:7,8			
2.1 (1) 17:13				
20 (4) 5:5,7,16;7:5				
2001 (2) 8:13;10:11				
2002 (1) 10:11				
2007 (2) 8:13;9:16				
2021 (9) 18:17,19;22:11,22; 23:14;24:7,19;25:12, 25				
2022 (2) 14:13;16:16				
22 (1) 14:16				
25 (1) 12:3				

Appendix F

Letter from NYS Department of Transportation



Department of Transportation

KATHY HOCHUL
Governor

MARIE THERESE DOMINGUEZ
Commissioner

LANCE MacMILLAN, P.E.
Regional Director

December 21, 2022

Bea Ogunti
Zoning/Planning Board Secretary
20 Middlebush Road
Wappingers Falls, New York 12590

**Re: NYSDOT SEQR 22-231
Downey Energy Liquid Propane Storage
Town of Wappinger
Dutchess County**

Dear Town of Wappinger,

After speaking with Alfred Cappelli, the architect for this project, on Monday December 5, 2022, the New York State Department of Transportation (NYSDOT) has no further questions or comments and is no longer requiring a full Traffic Impact Study. Please see the attached correspondence for details.

If there are any questions, please feel free to contact me at: 845-878-6363 or at Cassandra.Bibbo@dot.ny.gov.

Sincerely,

Cassandra Bibbo

Cassandra Bibbo, EIT
Assistant Engineer, Residency 8-3

New York State Department of Transportation, Hudson Valley
106 Ludingtonville Road, Holmes, NY 12531
(845) 878-6363 | Cassandra.Bibbo@dot.ny.gov | www.dot.ny.gov



**Department of
Transportation**

Bibbo, Cassandra (DOT)

From: Bibbo, Cassandra (DOT)
Sent: Monday, December 5, 2022 11:16 AM
To: acappe2102@aol.com
Subject: RE: Downey LP Propane Storage, T/O Wappingers

I can reach out if you'd like and let them know

Cassandra

From: acappe2102@aol.com <acappe2102@aol.com>
Sent: Monday, December 5, 2022 11:12 AM
To: Bibbo, Cassandra (DOT) <Cassandra.Bibbo@dot.ny.gov>
Subject: Re: Downey LP Propane Storage, T/O Wappingers

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

ty

will you be sending anything to the town regarding this?

-----Original Message-----

From: Bibbo, Cassandra (DOT) <Cassandra.Bibbo@dot.ny.gov>
To: acappe2102@aol.com <acappe2102@aol.com>
Sent: Mon, Dec 5, 2022 11:08 am
Subject: RE: Downey LP Propane Storage, T/O Wappingers

Thank you for this information. At this time, DOT has no further questions or comments on this project.

Thank you,

Cassandra Bibbo, EIT
Permit Engineer, Residency 8-3

New York State Department of Transportation, Hudson Valley
106 Ludingtonville Road, Holmes, NY 12531
(845) 878-6363 | Cassandra.Bibbo@dot.ny.gov | www.dot.ny.gov



From: acappe2102@aol.com <acappe2102@aol.com>
Sent: Monday, December 5, 2022 10:45 AM
To: Bibbo, Cassandra (DOT) <Cassandra.Bibbo@dot.ny.gov>
Subject: Re: Downey LP Propane Storage, T/O Wappingers

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Cassandra,

I will send you a complete set, not a problem

We were not asked nor did we prepare a traffic study as the facility is strictly wholesale with the larger tankers filling the on-site storage tanks maybe two or three times a week and the "bobcat" delivery trucks used for daily delivery to businesses and residential will fill up in the morning and once after lunch, perhaps a total of 6-8 bobcats at each time, so the traffic generated is not huge.

Old Route 9 where we will be entering and exiting the facility, with the exception of a few older residences is primarily an industrial area.

I will send you what I have nonetheless, and you can make a determination, and whatever you need we will provide.

Thank you for your quick response

al cappelli
architect

-----Original Message-----

From: Bibbo, Cassandra (DOT) <Cassandra.Bibbo@dot.ny.gov>

To: acappe2102@aol.com <acappe2102@aol.com>

Sent: Mon, Dec 5, 2022 10:27 am

Subject: RE: Downey LP Propane Storage, T/O Wappingers

Hello Alfred,

Sadly, DOT is not the most organized department and this was the first submission I had ever received on this project. The submission I received did not include a set of plans so it was unclear whether you were proposing to enter from Route 9 or from old route 9 which is why I asked for plans. As for the traffic study if you have one that would be helpful for us to look over as this may impact our signal system. If you don't have a full TIS, any traffic information would suffice.

Thank you,

Cassandra Bibbo, EIT

Permit Engineer, Residency 8-3

New York State Department of Transportation, Hudson Valley

106 Ludingtonville Road, Holmes, NY 12531

(845) 878-6363 | Cassandra.Bibbo@dot.ny.gov | www.dot.ny.gov



From: acappe2102@aol.com <acappe2102@aol.com>

Sent: Monday, December 5, 2022 10:20 AM

To: Bibbo, Cassandra (DOT) <Cassandra.Bibbo@dot.ny.gov>

Subject: Downey LP Propane Storage, T/O Wappingers

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Cassandra,

We are the project Architect for the above referenced project for which you submitted a memo to the Town on Nov. 25, 2022.

This project has been ongoing since 2019 and was distributed previously to all agencies at the time of our earlier submissions, with no response from NYSDOT. Please let me know what I can do to get you the info you need to better understand the project.

This facility is not exiting or entering on NYS Rt. 9 and was wondering NYSDOT's interest in this project.

Let me know and I can forward our complete site plan to you.

As always, thank you for your time.

Alfred Cappelli
Architect

Appendix G
IPaC Endangered Species Report

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Dutchess County, New York



Local office

New York Ecological Services Field Office

☎ (607) 753-9334

📠 (607) 753-9699

✉ fw5es_nyfo@fws.gov

3817 Luker Road
Cortland, NY 13045-9385

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

-
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Endangered

Reptiles

NAME	STATUS
Bog Turtle <i>Glyptemys muhlenbergii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6962	Threatened

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON

Bald Eagle *Haliaeetus leucocephalus*

Breeds Sep 1 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

Belted Kingfisher *Megasceryle alcyon*

Breeds Mar 15 to Jul 25

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Breeds May 15 to Oct 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9399>

Black-capped Chickadee *Poecile atricapillus praticus*

Breeds Apr 10 to Jul 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Blue-winged Warbler *Vermivora pinus*

Breeds May 1 to Jun 30

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Canada Warbler *Cardellina canadensis*

Breeds May 20 to Aug 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Cerulean Warbler *Dendroica cerulea*

Breeds Apr 20 to Jul 20

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/2974>

Chimney Swift *Chaetura pelagica*

Breeds Mar 15 to Aug 25

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Eastern Meadowlark *Sturnella magna*

Breeds Apr 25 to Aug 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Eastern Whip-poor-will <i>Antrostomus vociferus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Aug 20
Evening Grosbeak <i>Coccothraustes vespertinus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 15 to Aug 10
Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Prairie Warbler <i>Dendroica discolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31
Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

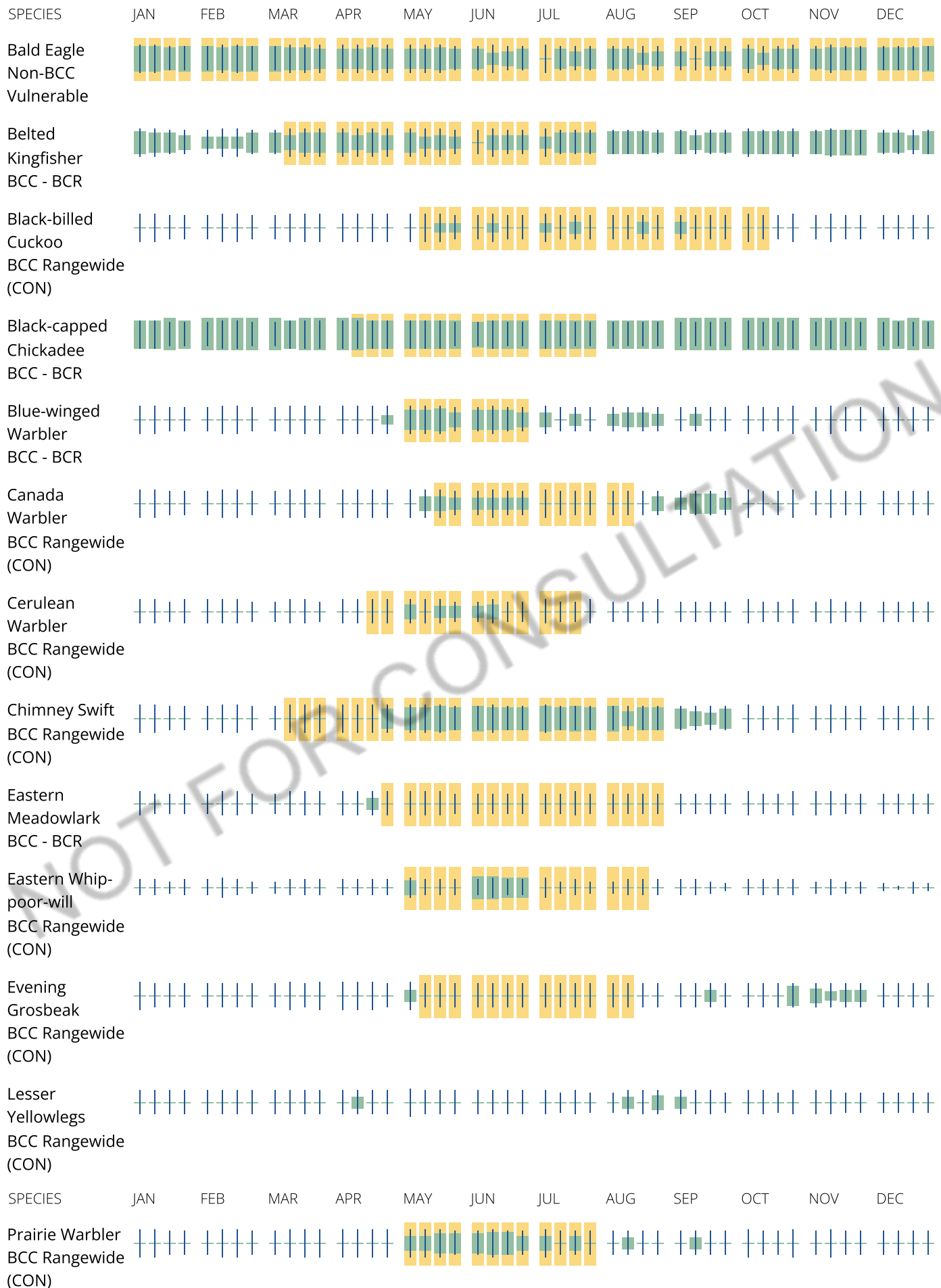
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

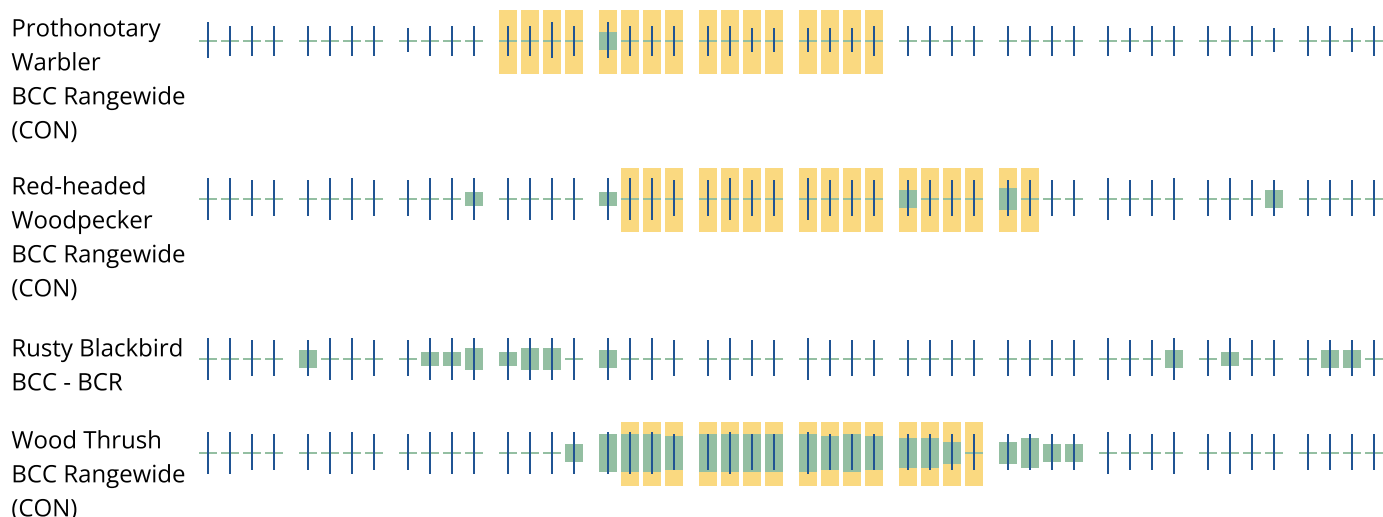
No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory

(NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the [NWI map](#) to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should

seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

Appendix H

**Operational Procedures, Safety Features &
Training Practices**

OPERATIONAL PROCEDURES, SAFETY FEATURES & TRAINING PRACTICES

FOR

DOWNEY ENERGY

LIQUID PROPANE BULK FACILITY

OLD ROUTE 9

TOWN OF WAPPINGERS, DUTCHESS COUNTY, NY

PREPARED BY:

JODY PRATT AMEDEN ENERGY CONSULTING, LLC

PO BOX 254

FAIRLEE, VT 05045

802-249-5585

jameden@gmail.com

JUNE 10, 2019

JPA Energy Consulting LLC

June 10, 2019

Operational Procedures, Safety Features and Training Practices for Downey Energy proposed Propane Bulk Facility.

To give a better understanding of the Appearance, Operation, Safety and Training of the proposed Propane Facility, I've listed a brief outline.

The property is 6.29 acres in size. The propane facility would consist of two new 45,000 gallon ASME propane tanks. These tanks are 69 feet long; 11 feet in diameter and 14 feet high in the concrete piers. The tanks are constructed of $\frac{3}{4}$ inches steel and designed to ASME standards. The tanks are normally painted white in color.

The facility would be operated solely by Downey Energy and would not serve as a wholesale terminal to other surrounding energy companies. It will not serve the general public for filling barbecue tanks or other small tanks. Tanks for feature customers will be stored on site. These tanks are to be installed as Downey add new customers in the community.

Deliveries would be made by authorized and scheduled propane transports, to fill the storage tanks. Delivery trucks, commonly referred to as bobtails would then load and make deliveries to homes and businesses within the community. Bobtails can vary in size but typically hold just under 3,000 gallons and would make trips in to the facility 5 to 6 times a day in the winter. Less trips are required in the summer. Filling in the morning and mid-day. There are required safeties on delivery trucks and transports to reduce the risk of accidental releases. These include range inhibitors; internal valves; smart hoses and emergency shut off valves; excess flows and back checks. These trucks are required to meet State and Federal Motor Carrier regulations.

The bulk plant as designed and constructed would follow NFPA 58 edition 2014 code for Liquefied Petroleum Gas, as recognized by the State of New York. These features include: emergency shut off valves; back checks; internal valves; hydrostatic reliefs; pressure relief valves; transfer area valves and a bulkhead break-away design. A security chain link fence and cameras would be installed. Crash protection will be place around the plant to protect piping and piers from trucks and plows.

In addition, all company personnel having access and conducting product transfer at this facility are CETP (Certified Employee Training Program) trained and qualified in these procedures. CETP is a standardized training program for the propane industry, that has been in use since 1987. The program provides a formal structure for testing and verifies propane employees'

knowledge and skills to perform their work safely and effectively. This includes common carriers that off load at the facility.

There are a number of documents that must be generated in the evaluation of the facility and upon construction for compliance. These include the Fire Safety Analysis; Operation and Maintenance Plan; Hazmat Plan and an Emergency Action Plan. A Fire Safety Analysis is a State and Federal Requirement for all propane installation of 4,001 gallons or greater. This report was developed by the National Fire Protection Assoc. and the National Propane Gas Association. (NFPA 58 edition 2014 sections 6.27.3-6.27.3.6) It assess the design; hazards and capabilities of local responders. The report is developed with local input from the designated jurisdictional person(s) and reviewed by Fire Services. Operation and Maintenance Plan is required by NFPA 58 edition 2014; Chapter 14. It outlines the operating procedures appropriate for the facility including inspections and maintenance of the equipment. Hazmat Training is part of the Department of Transportation code 49 CFR 172.704. The Emergency Action Plan is an OSHA requirement for 29 CFR 1910.38 and may or may not apply to this facility. There must be 10 or more employees for it to apply. Initially I do not believe it will apply.

I recommended that site specific propane training be provided for Fire Services and Mutual aid. This training could be conducted by myself or another member of the New Propane Gas Association Emergency Response Committee. There is also more extensive off site training for propane emergency available through the NYPGA.

Normal operation for the facility would be Monday through Friday during business hours. An occasional delivery might need to be made in the evening or on a weekend in the winter.

I hope this gives a better understanding of the Appearance; Operation; Safety and Training involved in a Propane Bulk Facility.

Jody Ameden
Jody Pratt Ameden Energy Consulting, LLC
P.O. Box 254
Fairlee, VT 05045
802-249-5585
jameden@gmail.com
www.jodyamedenenergyconsulting.com

JPA Energy Consulting LLC

Biographical Information

Jody Ameden

PO Box 254

Fairlee, VT 05045

802-249-5585

jameden@gmail.com

www.jodyamedenenergyconsulting.com

Jody Ameden has over 25 years of dedicated experience in the propane industry. Jody formed Jody Pratt Ameden Energy Consulting LLC to provide propane industry consulting services. Services include product supply sourcing, bulk plant construction and permitting, safety training, retail marketing and operations, tank and truck purchasing. Clients are primarily retail oil and propane companies in New England, New York, New Jersey and Pennsylvania. These companies range in size and vary from independent family businesses to multi state publicly held companies. Jody spent 12 years with GSR LLC in wholesale supply and distribution after leaving her family retail, wholesale, transportation and convenience store business in Vermont.

Professional Activities and Boards:

- Degree in Mechanical Engineering from Northeastern University in Boston, MA
- Member of the Mechanical Engineering Society
- Member of NFPA (National Fire Protection Association)
- Member of NPGA (National Propane Gas Association)
- Member of VFDA (Vermont Fuel Dealers Association)
- Member of MODA (Maine Oil Dealers Association)
- Member of PGANE (Propane Gas Association of New England)
- Member of NYPGA (New York Propane Gas Association)
- PGANE & NYPGA Propane Emergency Responder

Chaired and serviced on numerous committees for the New England Propane Gas Association, New York Propane Gas Association and Vermont Fuel Dealers.

Certifications & Training:

- NPGA Proctor
- CETP 1.0 Basic
- CETP 3.0 Basic Plant Operations
- Operator Qualification
- Propane Emergency Response
- Carbon Monoxide Awareness & Prevention

Appendix I

Letter from Theodore Lemoff, PE

Tlemoff Engineering

October 7, 2021

Town of Wappinger Planning Board
20 Middlebush Road
Wappinger Falls, NY 12590

This Professional Office has been retained by Downey Energy ("Downey") to provide an independent fire safety and code review of the Downey proposed propane bulk storage plant. This proposed Plan has been revised to provide for a fully "mounded" enclosure of the proposed propane tanks. Attached is my Resume to provide my independent and professional background for this Review. Based upon my review and my professional experience, there is no possibility of any BLEVE based upon the burial of the tanks which isolates every tank from flame impingement. Furthermore, a fire pump and deluge system will be installed to immediately spray water on the transfer area, building, and any other fires before the arrival of any required pump trucks. Therefore, all reasonable and relevant safety concerns have been addressed in this revised Project. Permit me to address other comments made before the revisions to this Project were made.

The Hughsonville Fire District (the "District") states in a letter of July 20, 2021, that "the fire district could not properly handle a leak or fire at this proposed location". The District's aforementioned comments were made before this revised proposal for the mounded tanks was prepared. As such, those concerns are no longer relevant. Furthermore, the District has the resources both within the District as well as with well-established Mutual Aid Agreements to address any other potential safety issue. The District has not provided any documentation to the contrary.

Any appropriate safety issues have been addressed in the revised site plan. The 2, 45,000-gallon tanks will be mounded. NFPA 58-2017 requires fire protection for installations of this size¹. Burial is recognized in the 2017 edition of NFPA 58, Liquefied Petroleum Gas Code, as the most appropriate method to provide fire protection. Mounding isolates the tank from flame impingement which can result in any BLEVE, and mounding of the tanks is widely used as a method of fire protection. A minimum of 1 foot of cover is recognized by NFPA 58 for this purpose. With the tanks mounded there is no possibility of BLEVE from flame impingement. Mounding and barriers protect the tanks from mechanical damage, and corrosion is abated by the corrosion protection system required by NFPA 58 for all mounded and buried propane tanks of this size.

With regard to any safety issues concerning transportation, the Emergency Response Guidebook (ERG) is not applicable to stationary plants such as proposed for Project and at this property. The Guidebook Cover states:

A Guidebook for First Responders During the Initial Phase of a Dangerous Goods/Hazardous Materials *Transportation Incident*

¹ NFPA 58-2017, Liquefied Petroleum Gas Code. Adopted by the New York State Fire Code.

In addition, the DOT webpage [Emergency Response Guidebook | PHMSA \(dot.gov\)](#) starts with the following:

PHMSA's 2020 Emergency Response Guidebook provides first responders with a go-to manual to help deal with hazmat transportation accidents during the critical first 30 minutes.

Clearly, the Guidebook is intended for transportation incidents, such as trucks and rail cars, and not stationary storage plants.

- The U. S. Department of Transportation has no jurisdiction over stationary storage plants, as they come under state law.
- Stationary storage plants have safety features that cannot be used in trucks and rail cars.

The Guidebook considers cargo tank failure with release of contents will occur in a trucking accident or derailment. Stationary storage facilities are not exposed to the same threats as cargo tanks and railcars. The last BLEVE of a stationary storage tank was in 1998². As stated above, burial will make BLEVE from flame impingement impossible.

PROJECT SPECIFIC SAFETY ANALYSIS

The proposed plant as shown in the drawing Detailed Site Plan revision 4 5/4/2021, Downey Energy, 199 Old Route 9, Town of Wappinger, N. Y. meets the requirements of New York State law as specified in NFPA 58-2017, Liquefied Petroleum Gas code, and the most recent 2020 edition of NFPA 58. The plan shows the 2, 45,000-gallon storage tanks and traffic flow on the site. A revised Fire Safety Analysis (FSA) has been submitted separately, and it verifies the compliance with the New York State law.

NFPA 58 requires fire protection and security for all propane storage plants, and that incident response be coordinated with local emergency responders. The mode of fire protection is required to be specified in the fire safety analysis. If the FSA determines that a hazard to adjacent structures exist, special protection is required. Special protection is defined as:

A means of limiting the temperature of an LP-Gas container for purposes of minimizing the possibility of failure of the container as the result of fire exposure.

There are 4 types of special protection recognized in NFPA 58: Insulation, water spray systems, mounding, and burial. Mounding is proposed in this case. With mounding of the tanks, other types of special protection are not needed, making the proposed 30,000 gallon on site water storage unnecessary for BLEVE prevention. It may be useful for other firefighting needs on the site, such as at the truck transfer area.

A Fire Safety Analysis has been provided and has incorporated the 2 storage tanks being buried and their new locations. The Fire Safety Analysis (FSA) has been developed using the Fire Safety Analysis Manual³, which identified all relevant requirements of NFPA 58 to ensure they are complied with. The Manual also addresses exposure to other properties in 3 potential release scenarios, vapor dispersion, explosion hazard distance, and fire ball radiation distance. Of these 3 scenarios, vapor dispersion distance

² Investigation Report, Propane Tank Explosion, U. S. Chemical Safety Board, Report No. 98-007-I-IA, June 23, 1999

³ Fire Safety Analysis Manual for LP-Gas Storage Facilities, Phani K. Raj and Theodore Lemoff, National Fire Protection Association and National Propane Gas Association, 2015.

with delayed ignition is the concern to offsite properties. These are included in the FSA to address any sensitive populations near the proposed storage plant.

NFPA 58 allows the tanks to be 75 ft to the nearest line of adjacent property that can be built upon. This establishes the minimum distance from the tank to all adjacent buildings, including homes, offices, warehouses, schools, libraries, etc. Buildings that are assembly, health care, and educational occupancies are of greater concern. The offsite consequences analysis addresses threats to these occupancies. The release of the contents of the piping system is used to determine the maximum amount of propane released in a credible accident. Failure of the containers is not considered to be credible. This volume is used to calculate the greatest distance a propane cloud will travel before it is diluted to the lower flammable limit. When liquid propane is released, it will vaporize and appear as a white cloud. (Released propane will start vaporizing instantly and the temperature of the liquid will drop to about -40° F. The white color is caused by ice particles.) The cloud will move in the direction of the wind and mix with air as it moves. The propane cloud will be flammable between 2.15% and 9.6% by volume in air. At this site, the distance to sensitive properties, such as schools and hospitals is 240 ft. calculated using the ALOHA software⁴. Within this distance there are no assembly, health care, and educational occupancies.

The hose and piping fittings used to connect the truck tank are of the low emission type. This minimizes the amount of propane released when a connection is opened to 1.2 cubic inches per disconnection. This is the amount of gas consumed in a typical gas grill during warm-up in about 1/2 minute. With this very small release there will not be a gas odor in the area.

The storage tanks incorporate remotely operated valves that are closed except during transfer of liquid into or out of the tanks. These valves are operated manually at the valve, remotely from identified emergency shutoff locations, and by loss of nitrogen pressure. Nitrogen is used to open these normally closed valves. Plastic tubing is used to carry the nitrogen and will fail in fire anywhere along the piping system. This is a significant feature that minimizes loss of propane when the plant is not staffed. During transfers, staff is trained to close these valves as a backup.

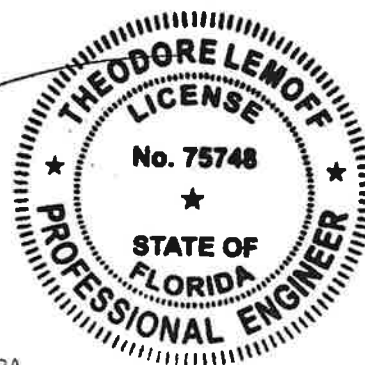
In addition, the plan for this Project is to be inspected every 5 years by an independent inspector familiar with NFPA 58 and propane plants to verify continued safe operation. Any items identified in this review should be repaired or replaced within 60 days, or as soon as parts are available.

CONCLUSION:

There are approximately 10,000 plants of this type in the United States⁵. This plant will be among the safest of them as it incorporates safety features that prevent accidents.



Theodore Lemoff, PE



⁴ ALOHA software, U. S. Environmental Protection Agency, [ALOHA Software](#) | [US EPA](#)

⁵ National Propane Gas Association estimate.