# CORTLAND COUNTY HIGHWAY DEPARTMENT CORTLAND COUNTY LANDFILL GAS COLLECTION AND CONVEYANCE SYSTEM

# Barton & Eguidice

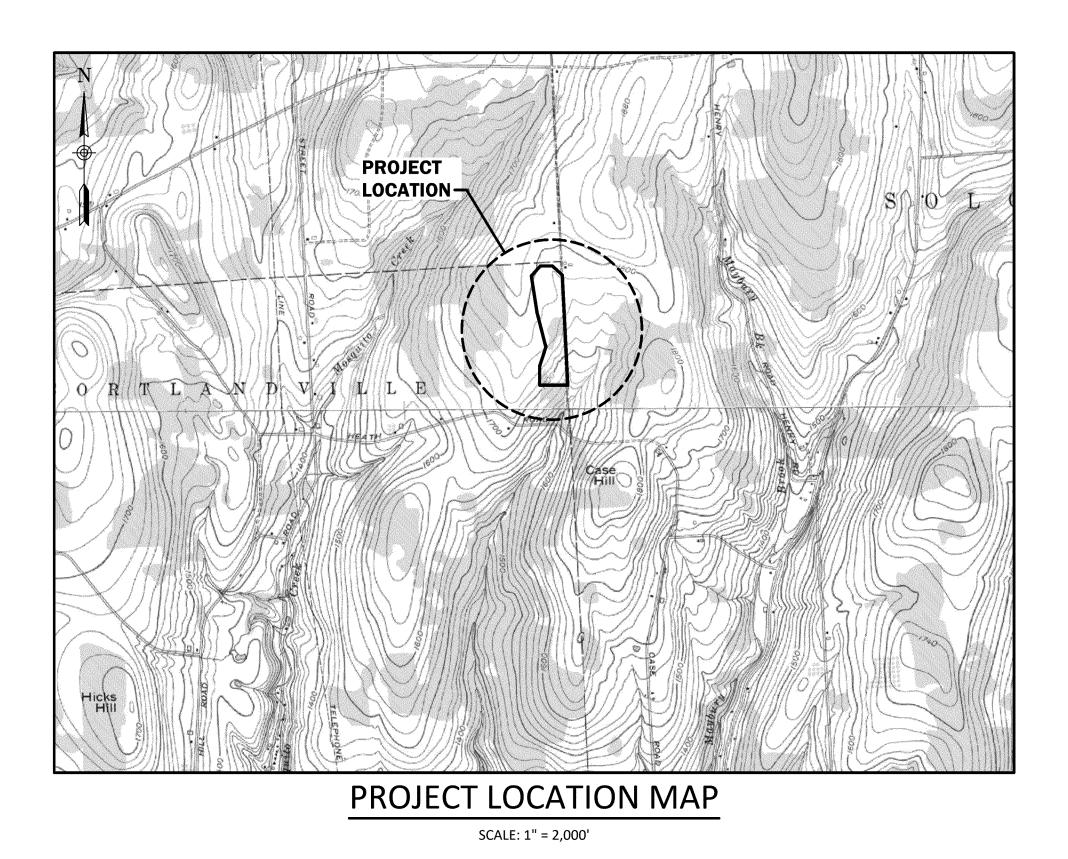
EDUCATION LAW, ARTICLE 145 §7209 SPECIAL PROVISIONS, FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING PROFESSIONAL SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

T IS A VIOLATION OF THE NEW YORK STATE

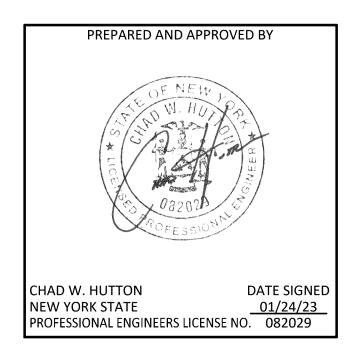
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# **CONTRACT NO.1 - GENERAL CONSTRUCTION**

# TOWNS OF CORTLANDVILLE/SOLON/HOMER CORTLAND COUNTY, NEW YORK



# JANUARY 2023 REVIEW DRAFT



Sheet Number **G001** 

Project Number 331.157.001

# **INDEX OF DRAWINGS**

SHEET TITLE

0
COVER SHEET
NOTES AND LEGEND
OVERALL SITE PLAN
EROSION AND SEDIMENT CONTROL PLAN AND DETAILS
LFG SITE PLANS
LFG PERIMETER HEADERS SITE PLAN (NORTH)
LFG PERIMETER HEADERS SITE PLAN (SOUTH)
EASTERN LFG PERIMETER HEADER PROFILE
WESTERN LFG PERIMETER HEADER PROFILE
LFG DETAILS (1 OF 3)
LFG DETAILS (2 OF 3)
LFG DETAILS (2 OF 3)
CLOSURE AREA LFG DETAILS
CONDENSATE CONVEYANCE DETAILS
MISCELLANEOUS DETAILS
ELECTRICAL SITE PLANS AND DETAILS

# SURVEY NOTES:

SHEET NO.

- 1. BASE MAP SURVEY WAS COMPILED FROM AERIAL PHOTOGRAPHY BY ERDMAN, ANTHONY ASSOCIATES WITH G. BRUCE DAVISON L.S. - APRIL, 1987; SURVEY OF CELL 1A CAP AREA BY G. BRUCE DAVIDSON, L.S. - FEBRUARY 2006, AND SURVEY OF CELL 1A/1B AND 2A BY COSTICH ENGINEERING AND LAND SURVEYING - JANUARY 25, 2022, ASBUILT TOPO SURVEY BY KLUMP LAND SURVEYING, 12/12/2008 USED FOR CELL 2B.
- TOPOGRAPHY SHOWN FOR THE EXISTING WORKING LANDFILL AREA, THE EXISTING BORROW AREA AND THE AREA INDICATED FOR EXISTING MATERIAL STOCK PILES ARE NOT CURRENT AS THESE AREAS HAVE BEEN DISTURBED SINCE THE TOPOGRAPHY WAS COMPILED.

# **GENERAL NOTES:**

- 1. ALL WORK SHOWN ON THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PROVISIONS SET FORTH IN THE CURRENT 6NYCRR PART 360 SERIES **REGULATIONS.**
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PRESERVE AND PROTECT ALL EXISTING OR NEW SURVEY CONTROL POINTS FOR THE FULL DURATION OF THE PROJECT AND SHALL BE RESPONSIBLE FOR THE SURVEY WORK REQUIRED FOR GENERAL CONSTRUCTION PURPOSES. AVAILABLE ON-SITE BENCHMARKS ARE PROVIDED ON SHEET C-100. NEW BENCHMARKS SHALL BE ESTABLISHED BY THE CONTRACTOR AS NECESSARY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO THE ACTIVE WASTE DISPOSAL AREA AT ALL TIMES. CONSTRUCTION ACTIVITIES SHALL NOT INTERFERE WITH LANDFILL OPERATIONS. ANY TRENCHING FOR ROAD CROSSINGS SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF WORK AND DONE OUTSIDE OF OPERATIONAL HOURS. ALL ROADWAYS MUST MAINTAIN ONE LANE OF TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE FLAG PERSON FOR TRAFFIC CONTROL DURING ACTIVE LANDFILL WORKING HOURS, AS REQUIRED.
- LANDFILL TRAFFIC SHALL HAVE RIGHT OF WAY AT ALL TIMES.
- 5. STRICT ON-SITE SPEED LIMITS WILL BE ENFORCED FOR CONTRACTOR OPERATIONS AND STAFF
- 6. ROADWAY DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
- THE GENERAL CONTRACTOR MAY USE THE EXISTING PERIMETER ROAD AND THE HAUL ROADS SHOWN AS HAUL ROADS. ANY OTHER HAUL ROADS REQUIRED BY THE GENERAL CONTRACTOR FOR THE COMPLETION OF WORK IN THIS CONTRACT SHALL BE COMPLETED BY THE GENERAL CONTRACTOR AT THEIR OWN EXPENSE. NO SEPARATE PAYMENT FOR CONSTRUCTION ACCESS ROADS OR ADDITIONAL HAUL ROADS SHALL BE MADE. ROAD LOCATIONS MUST BE APPROVED BY THE ENGINEER.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE UPKEEP AND MAINTENANCE OF ALL ROADS USED BY THE CONTRACTOR AND ITS SUBCONTRACTORS. SUCH MAINTENANCE SHALL INCLUDE THE APPLICATION OF WATER TO ADEQUATELY CONTROL DUST AND THE USE OF A STREET SWEEPER TO CLEAN SOILED ROADS TO THE SATISFACTION OF THE ENGINEER AND/OR OWNER. THE USE OF CALCIUM CHLORIDE IS PROHIBITED. NO OFF-SITE TRACKING IS PERMITTED.
- THE LOCATION, SIZE, CONSTRUCTION MATERIALS AND ALIGNMENT OF EXISTING UTILITIES AND APPURTENANT STRUCTURES SHOWN ON THE CONTRACT DRAWINGS WERE OBTAINED FROM EXISTING RECORD DRAWINGS, OWNER INFORMATION AND FIELD MEASUREMENTS WHERE POSSIBLE AND THEREFORE, ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CAREFULLY EXAMINE EXISTING UTILITIES AND APPURTENANCES TO VERIFY LOCATIONS, SIZES, CONSTRUCTION MATERIALS, DEPTHS, AND ALIGNMENTS AND INFORM THEMSELF THOROUGHLY AS TO ALL DIFFICULTIES THAT MAY BE ENCOUNTERED IN THE COMPLETION OF THE WORK UNDER THIS CONTRACT. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- 10. ALL SALVAGED MATERIALS (E.G. CULVERTS, PIPING, MISC. FITTINGS) SHALL REMAIN THE PROPERTY OF THE OWNER AND BE DELIVERED TO A LOCATION DESIGNATED BY THE SAME.
- 11. THE CONTRACTOR SHALL PROTECT ALL EXISTING MONITORING WELLS FROM DAMAGE DURING THE COURSE OF CONSTRUCTION. ANY DAMAGE WILL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- 12. CONTRACTOR STAGING AREAS SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER/ENGINEER.
- 13. EXISTING CONTOURS REPRESENT TOP OF INTERMEDIATE COVER OR TOP OF BARRIER LAYER (WITHIN CAP AREAS). ALL AREAS DISTURBED DURING THE CONSTRUCTION PROCESS SHALL BE **RETURNED TO THEIR ORIGINAL CONDITION.**
- 14. THE CONTRACTOR SHALL ENSURE THAT 12" OF INTERMEDIATE COVER IS MAINTAINED WITHIN THE LANDFILL LIMITS IN AREAS OF EXCAVATION AND LFG PIPING INSTALLATION.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGEMENT OF ANY LEACHATE OUTBREAKS FROM EXCAVATION OR LANDFILL GAS PIPING INSTALLATION ACTIVITIES.
- 16. ALL LFG PIPING WITHIN THE LANDFILL LIMITS SHALL HAVE A MINIMUM SLOPE OF 5%. ALL LFG AND CONDENSATE PIPING OUTSIDE THE LANDFILL WASTE LIMITS SHALL HAVE A MINIMUM SLOPE OF 0.5%.

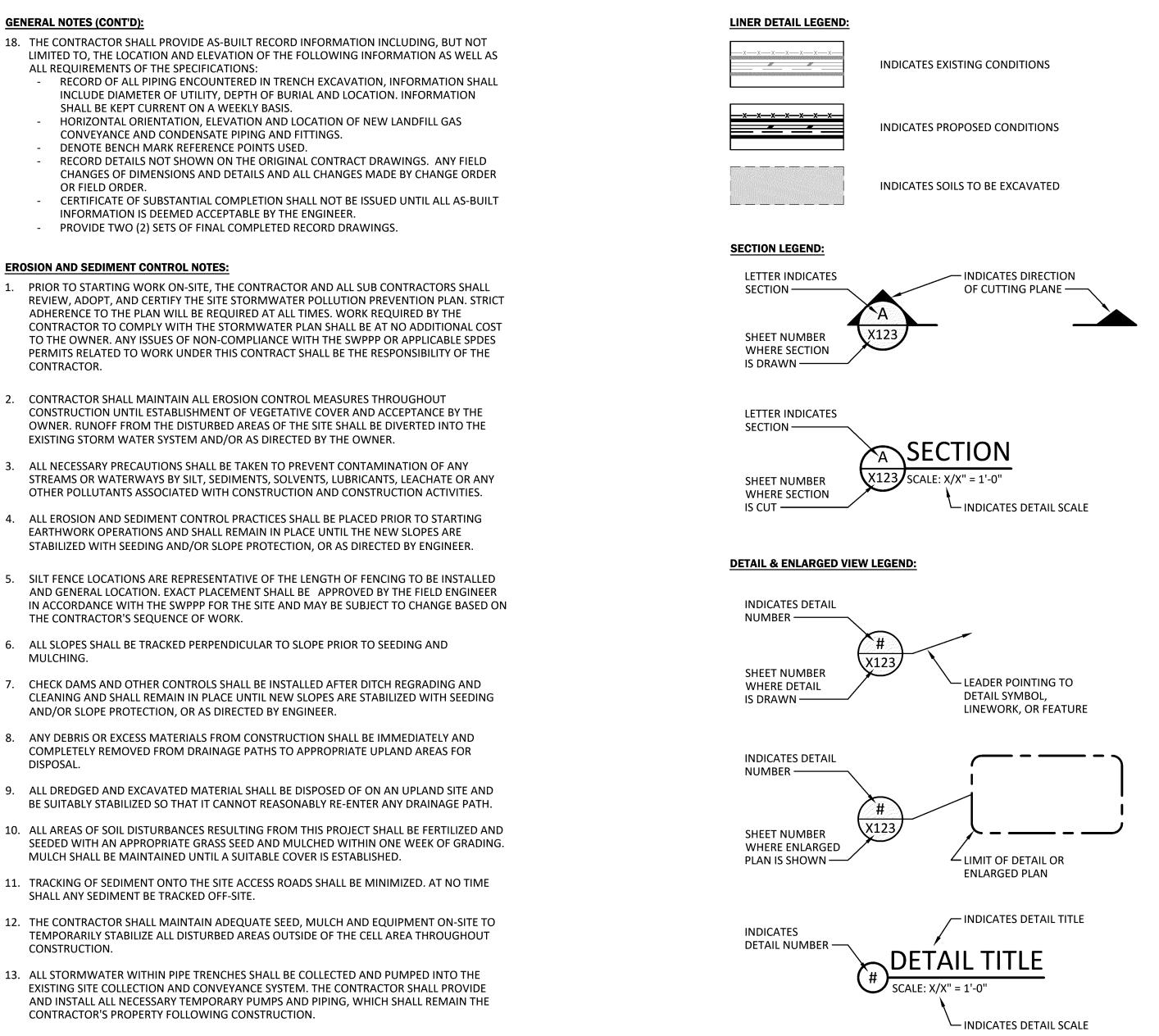
17. ALL SINGLE WALL LFG CONVEYANCE PIPING SHALL BE PNEUMATICALLY TESTED FOR LEAKS AND MUST HOLD A MINIMUM OF 5 PSI FOR A MINIMUM OF 1 HOUR PERIOD. ALL CARRIER PIPE FOR DUAL CONTAINED CONDENSATE CONVEYANCE PIPING SHALL BE HYDROSTATICALLY TESTED AT 50 PSI WITH NO DROP IN PRESSURE OVER A MINIMUM 1 HOUR PERIOD. SPACE BETWEEN CARRIER AND CONTAINMENT PIPE OF DUAL CONTAINED CONDENSATE CONVEYANCE PIPING SHALL BE PNEUMATICALLY TESTED AT A PRESSURE OF 5 PSI WITH NO DROP IN PRESSURE FOR A MINIMUM 1 HOUR PERIOD.

## **GENERAL NOTES (CONT'D):**

- 18. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORD INFORMATION INCLUDING, BUT NOT ALL REQUIREMENTS OF THE SPECIFICATIONS:
  - SHALL BE KEPT CURRENT ON A WEEKLY BASIS.
- CONVEYANCE AND CONDENSATE PIPING AND FITTINGS. - DENOTE BENCH MARK REFERENCE POINTS USED.
- OR FIELD ORDER.
- INFORMATION IS DEEMED ACCEPTABLE BY THE ENGINEER.
- PROVIDE TWO (2) SETS OF FINAL COMPLETED RECORD DRAWINGS.

# **EROSION AND SEDIMENT CONTROL NOTES:**

- 1. PRIOR TO STARTING WORK ON-SITE, THE CONTRACTOR AND ALL SUB CONTRACTORS SHALL ADHERENCE TO THE PLAN WILL BE REQUIRED AT ALL TIMES. WORK REQUIRED BY THE CONTRACTOR.
- CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT EXISTING STORM WATER SYSTEM AND/OR AS DIRECTED BY THE OWNER.
- 3. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF ANY
- 4. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION, OR AS DIRECTED BY ENGINEER.
- THE CONTRACTOR'S SEQUENCE OF WORK.
- 6. ALL SLOPES SHALL BE TRACKED PERPENDICULAR TO SLOPE PRIOR TO SEEDING AND MULCHING.
- 7. CHECK DAMS AND OTHER CONTROLS SHALL BE INSTALLED AFTER DITCH REGRADING AND AND/OR SLOPE PROTECTION, OR AS DIRECTED BY ENGINEER.
- 8. ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM DRAINAGE PATHS TO APPROPRIATE UPLAND AREAS FOR DISPOSAL.
- 9. ALL DREDGED AND EXCAVATED MATERIAL SHALL BE DISPOSED OF ON AN UPLAND SITE AND
- MULCH SHALL BE MAINTAINED UNTIL A SUITABLE COVER IS ESTABLISHED.
- 11. TRACKING OF SEDIMENT ONTO THE SITE ACCESS ROADS SHALL BE MINIMIZED. AT NO TIME SHALL ANY SEDIMENT BE TRACKED OFF-SITE.
- CONSTRUCTION.
- 13. ALL STORMWATER WITHIN PIPE TRENCHES SHALL BE COLLECTED AND PUMPED INTO THE CONTRACTOR'S PROPERTY FOLLOWING CONSTRUCTION.
- 14. THE CONTRACTOR SHALL PROVIDE DUST CONTROL ON ALL HAUL ROADS AND DISTURBED
- 15. THE CONTRACTOR SHALL COMPLETELY STABILIZE ANY DISTURBED STOCKPILE AREAS WITH SEED AND MULCH.
- 16. ALL TOPSOIL WITHIN THE TRENCH AREA SHALL BE STRIPPED AND STOCKPILED SEPARATE OWNER.
- PLAN, SPILL PREVENTION CONTROL AND COUNTER MEASURES PLAN, AND APPLICABLE STATE AND FEDERAL REGULATIONS.



AREAS WITHIN THE LIMITS OF WORK TO PREVENT WINDBLOWN SEDIMENT MIGRATION.

FROM COMMON FILL AND BARRIER PROTECTION SOILS. THE CONTRACTOR CAN RE-USE ALL TOPSOIL STRIPPED FROM WORKING AREA. ANY ADDITIONAL TOPSOIL NEEDED TO STABILIZE WORK AREAS MUST BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE

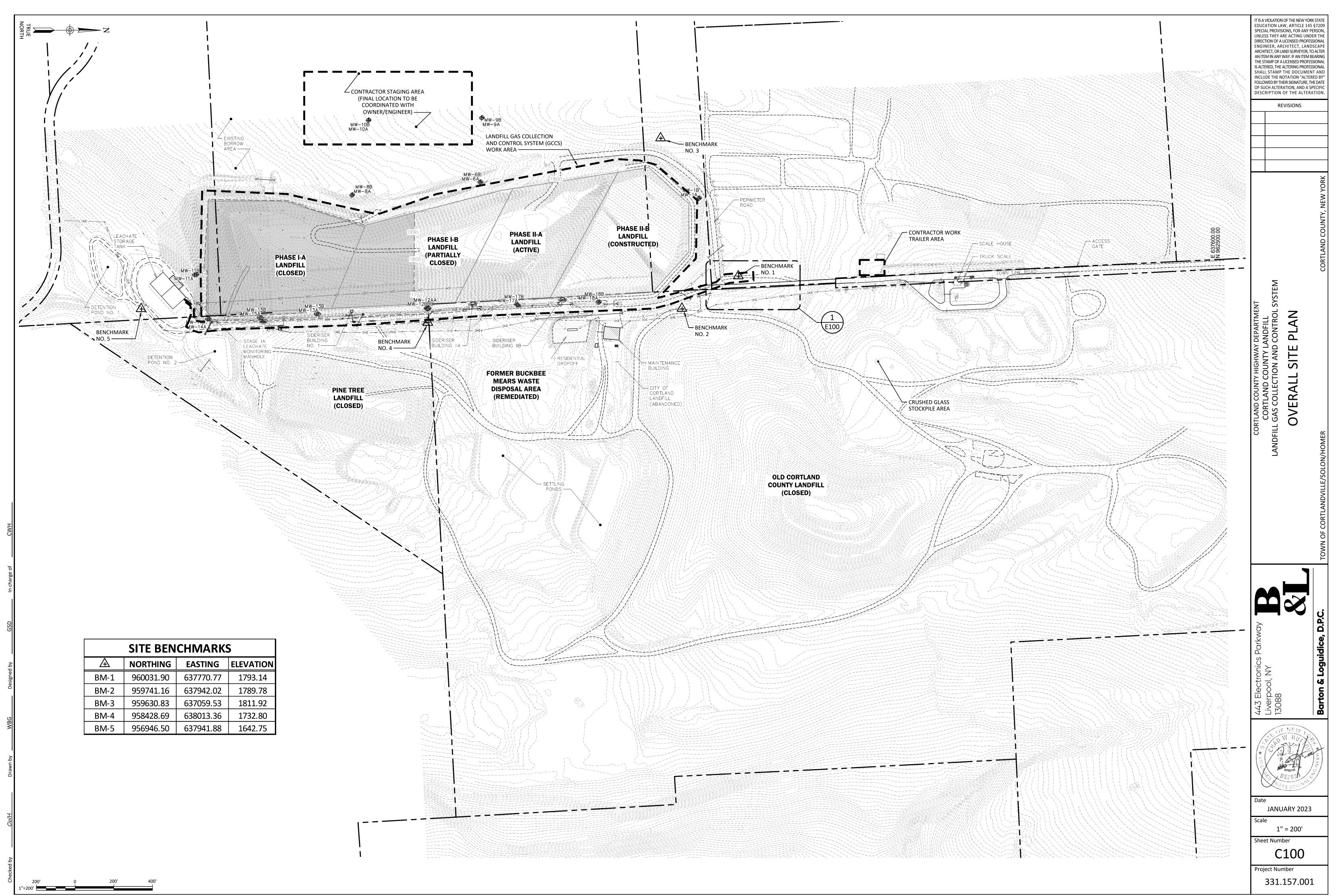
17. THE CONTRACTOR SHALL PROVIDE CONTAINMENT FOR ALL FUEL STORAGE AND EQUIPMENT FUELING AREAS IN ACCORDANCE WITH THE SITE STORMWATER POLLUTION PREVENTION

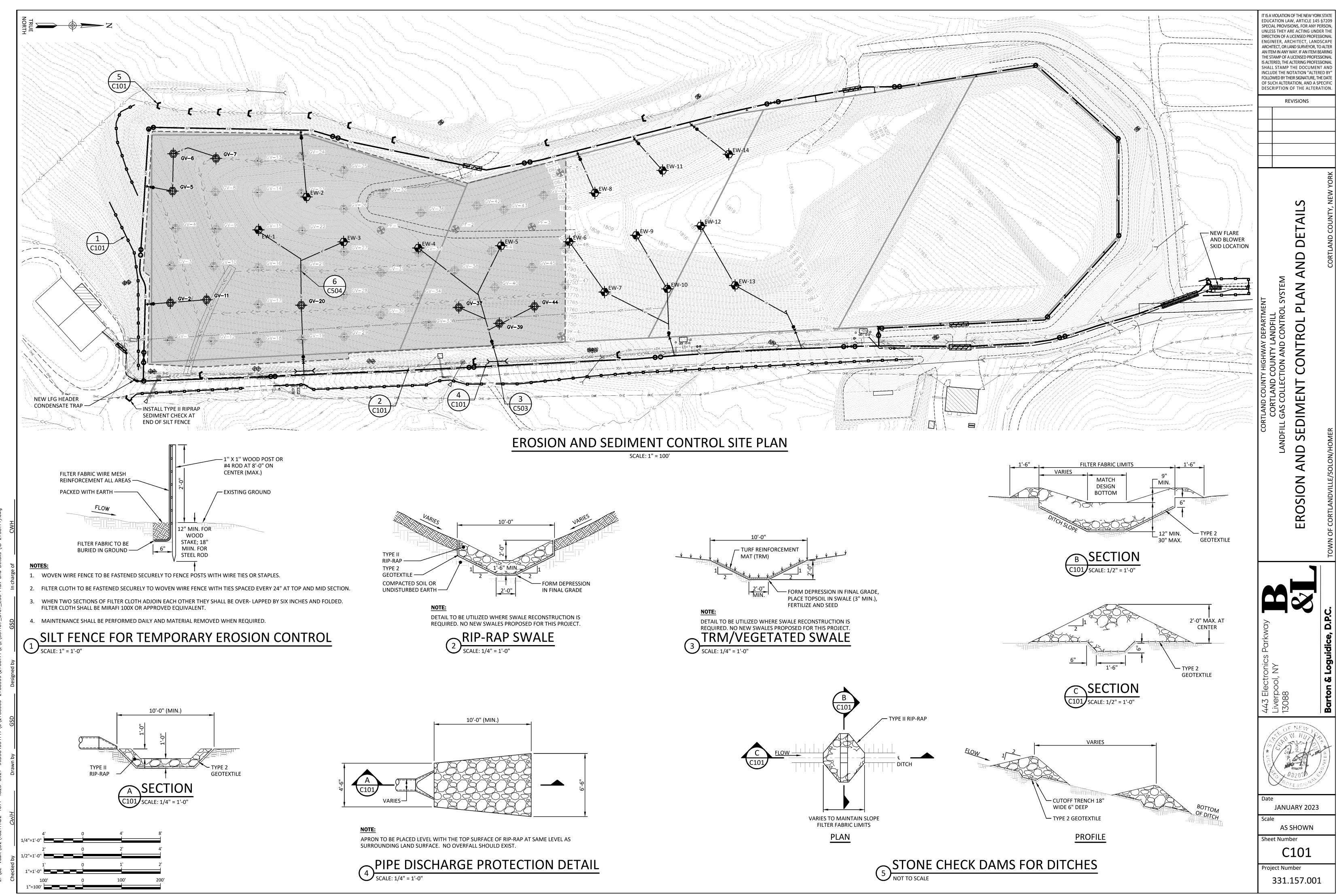
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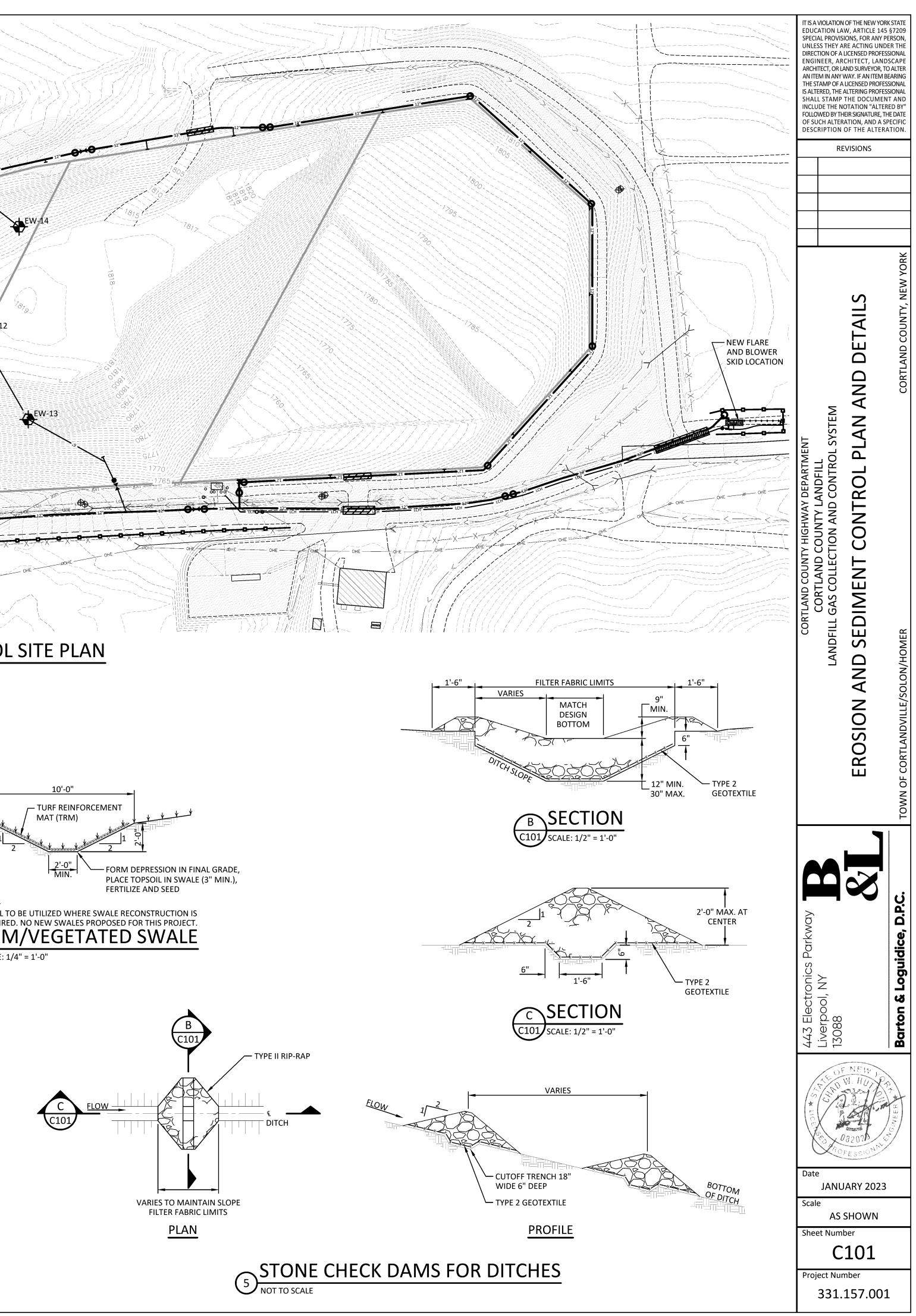
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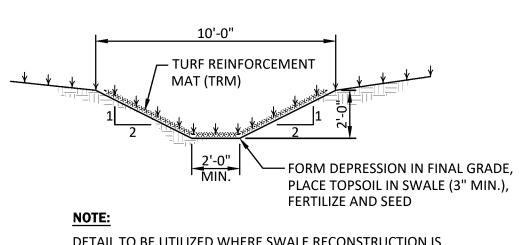
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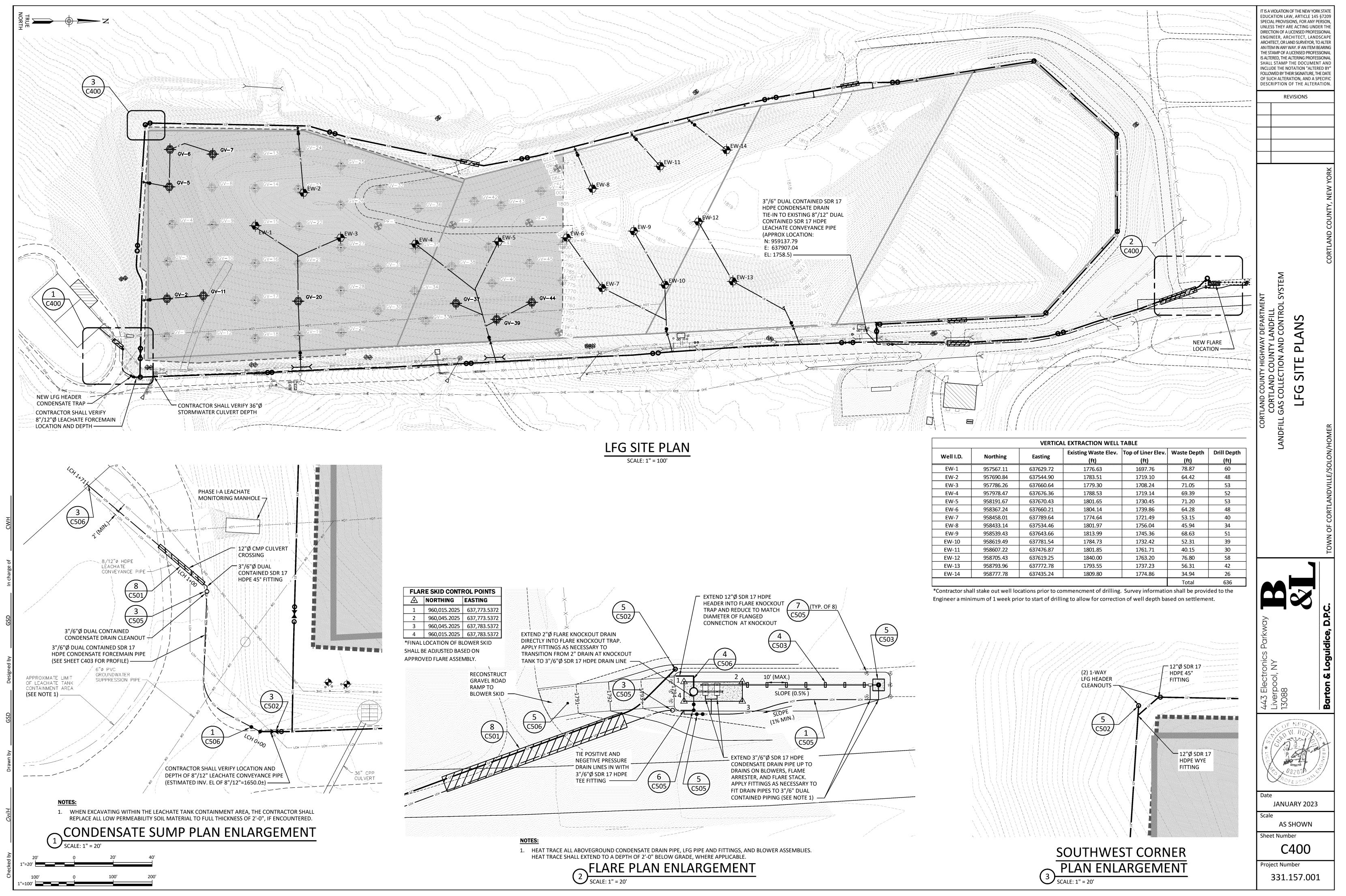


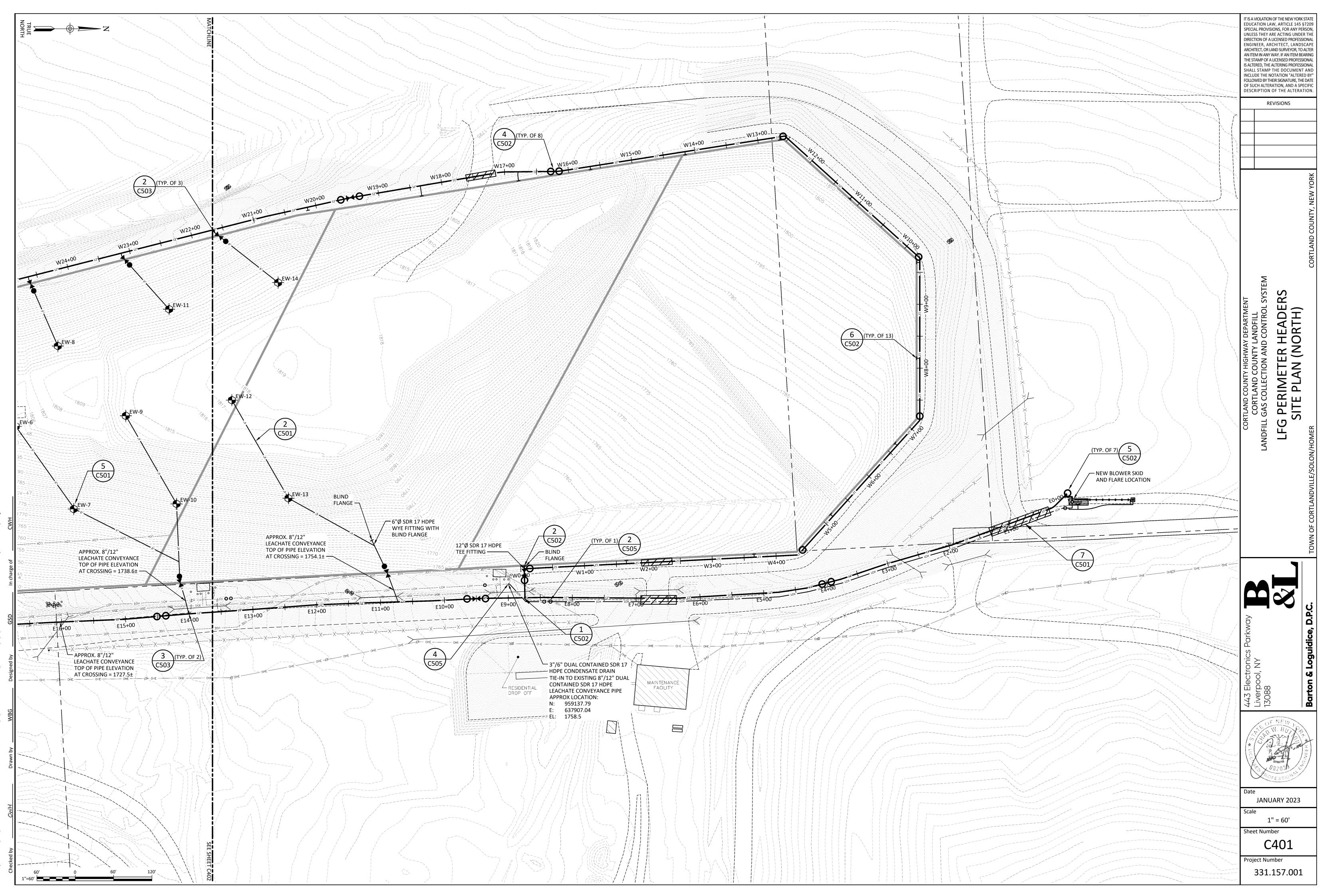


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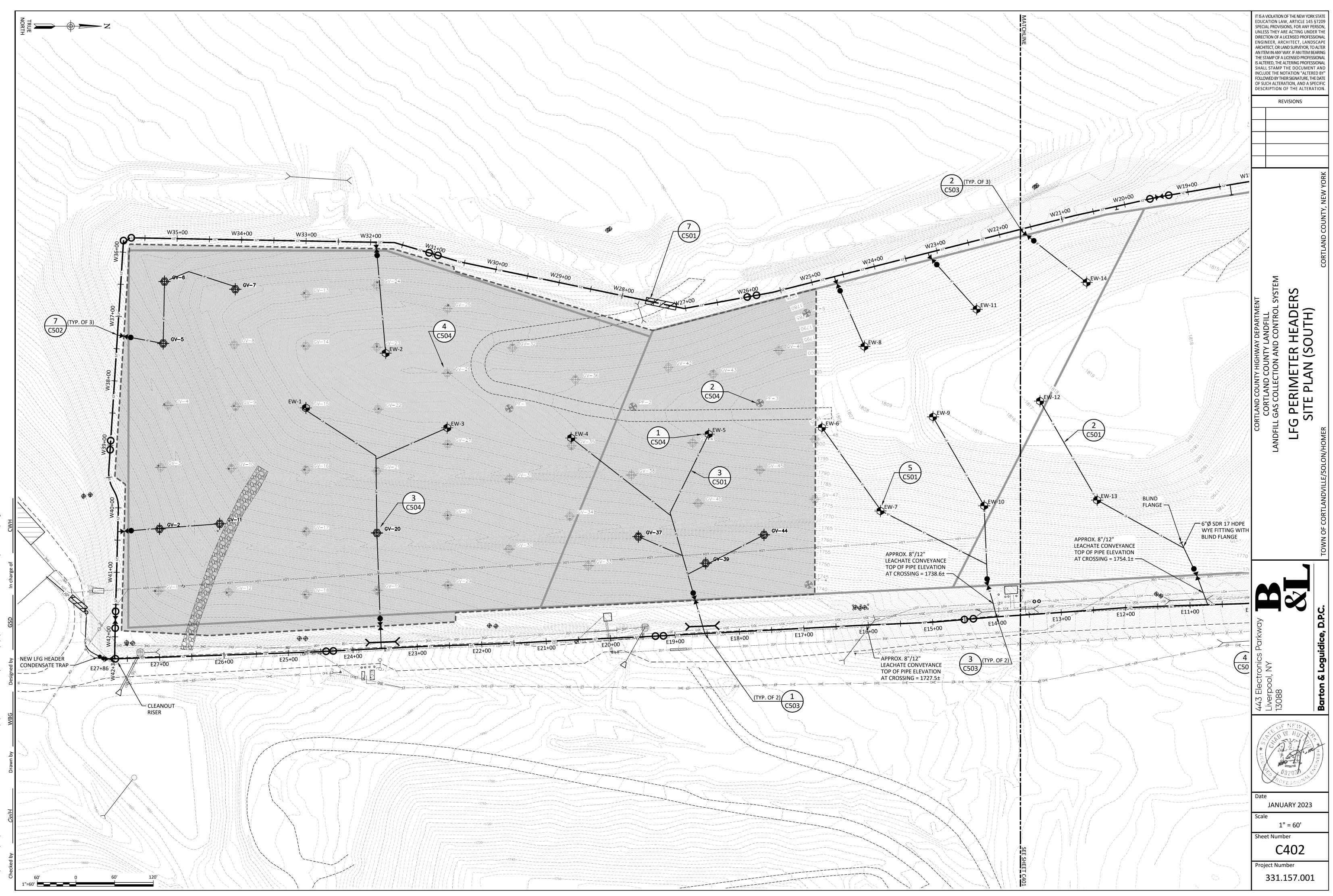




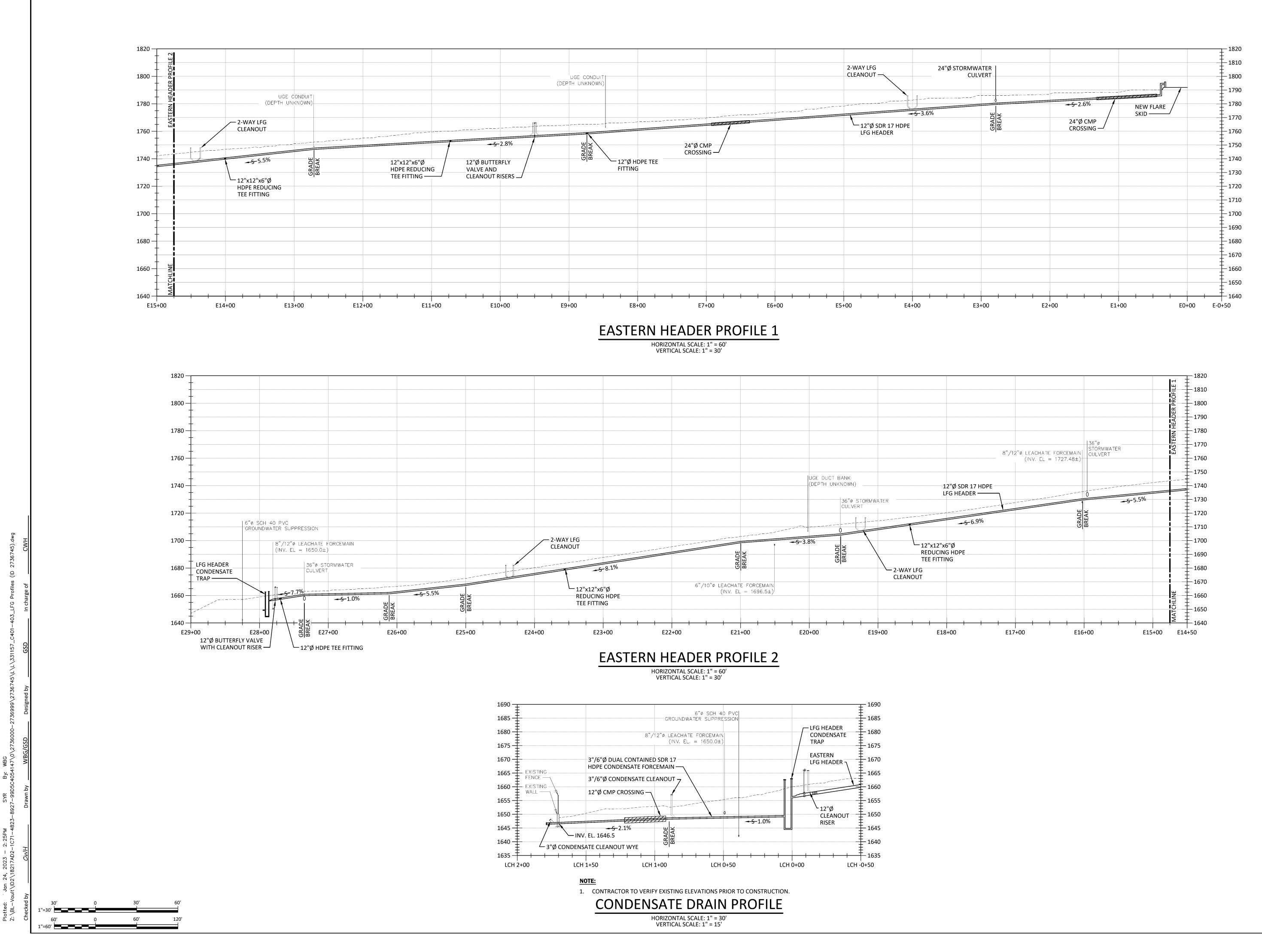




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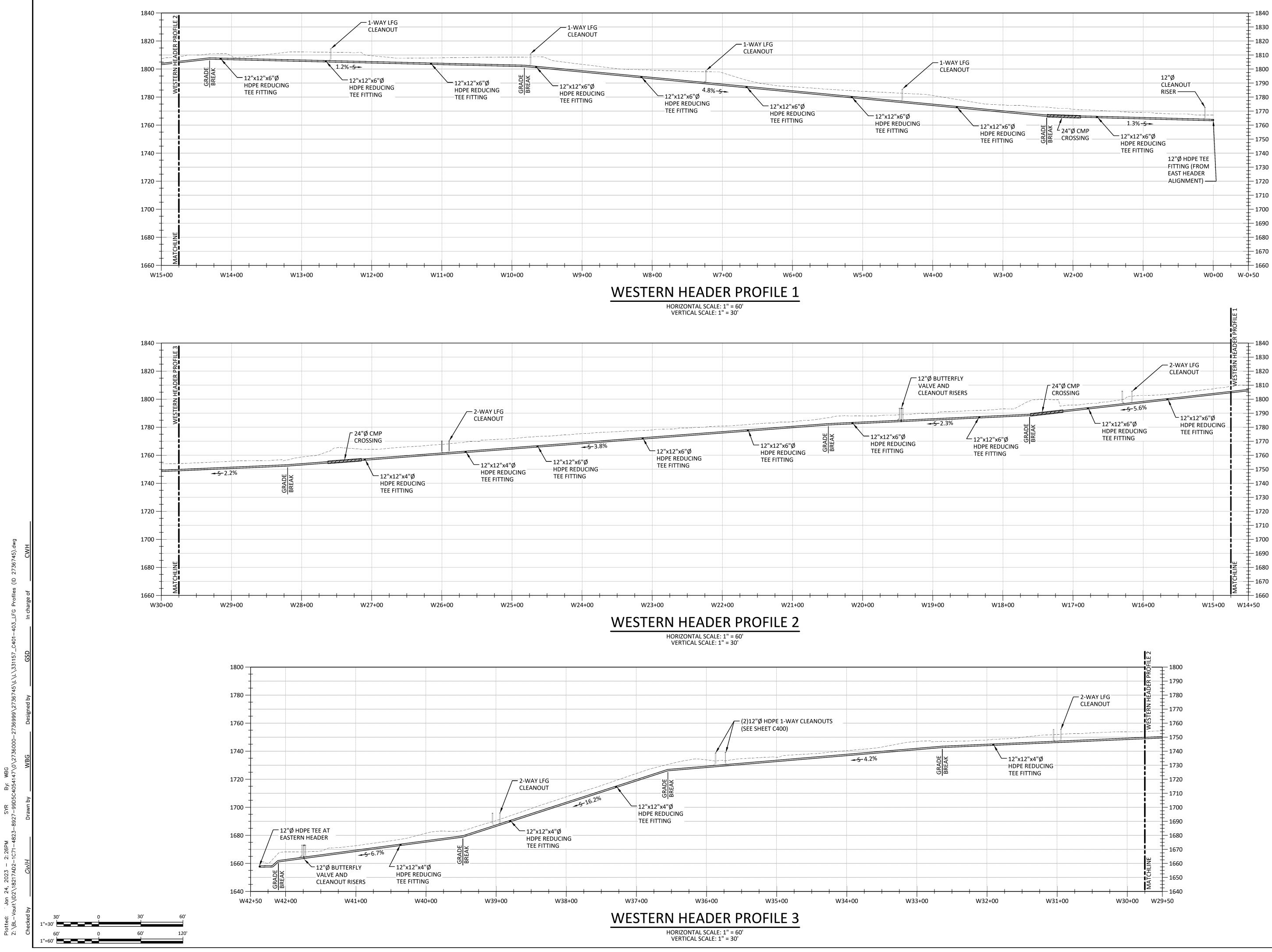


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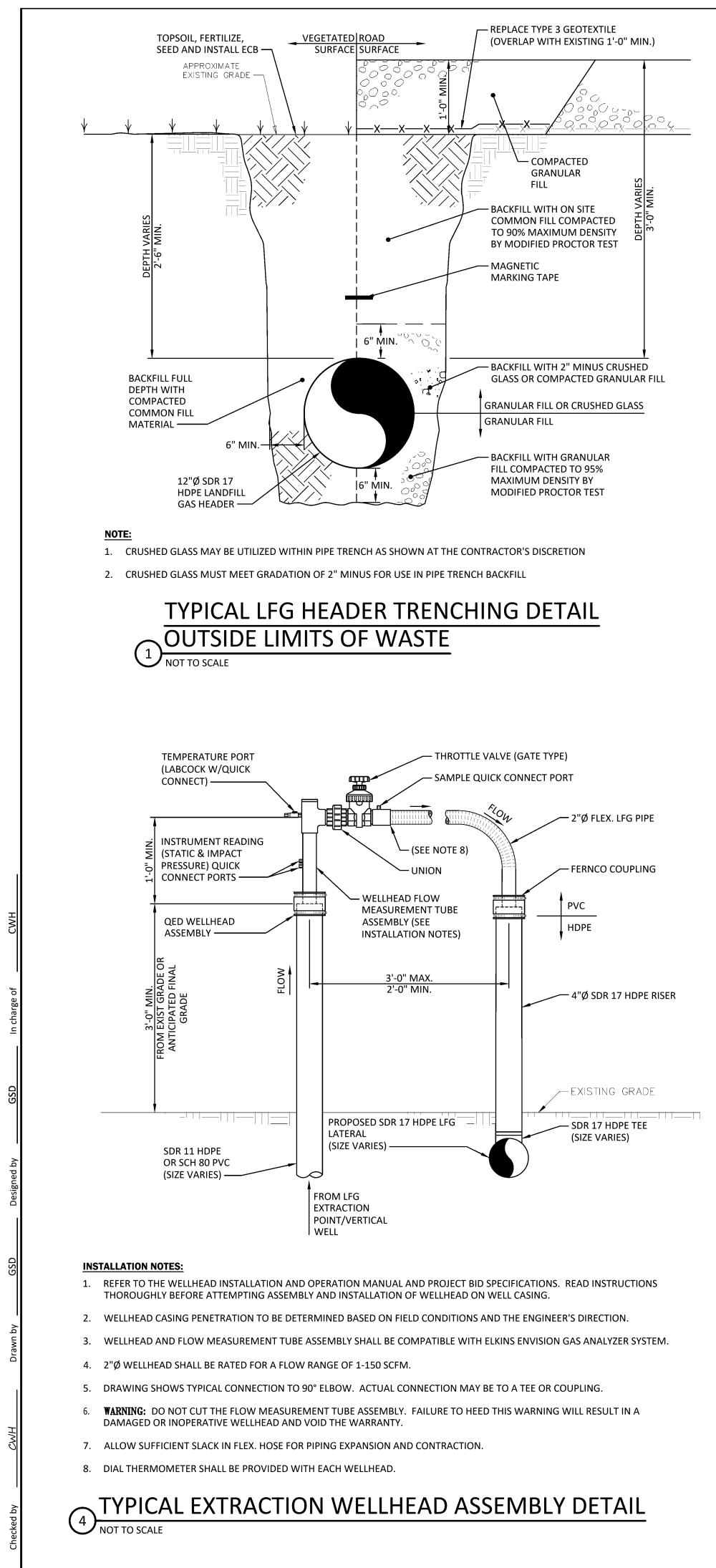


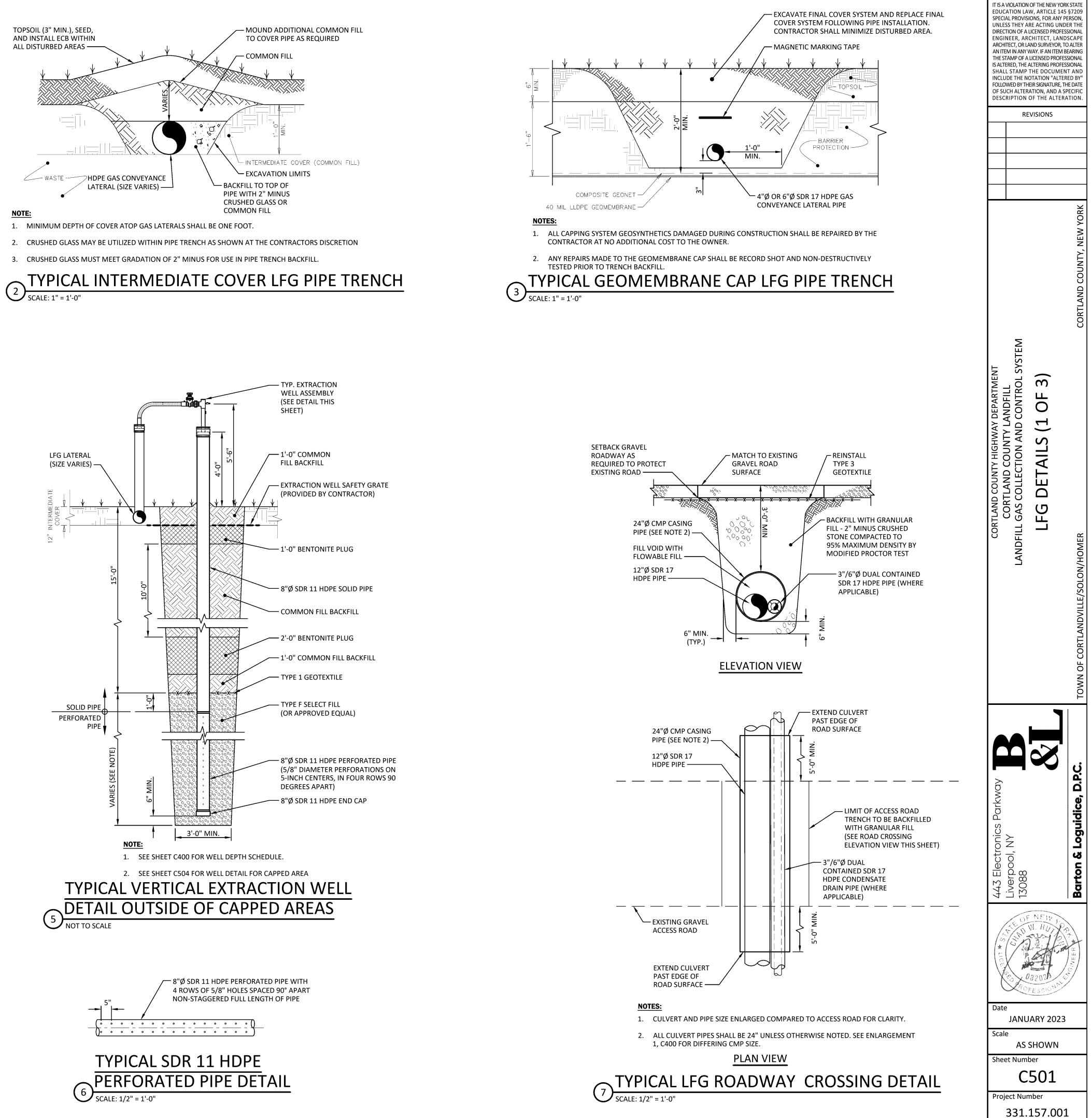
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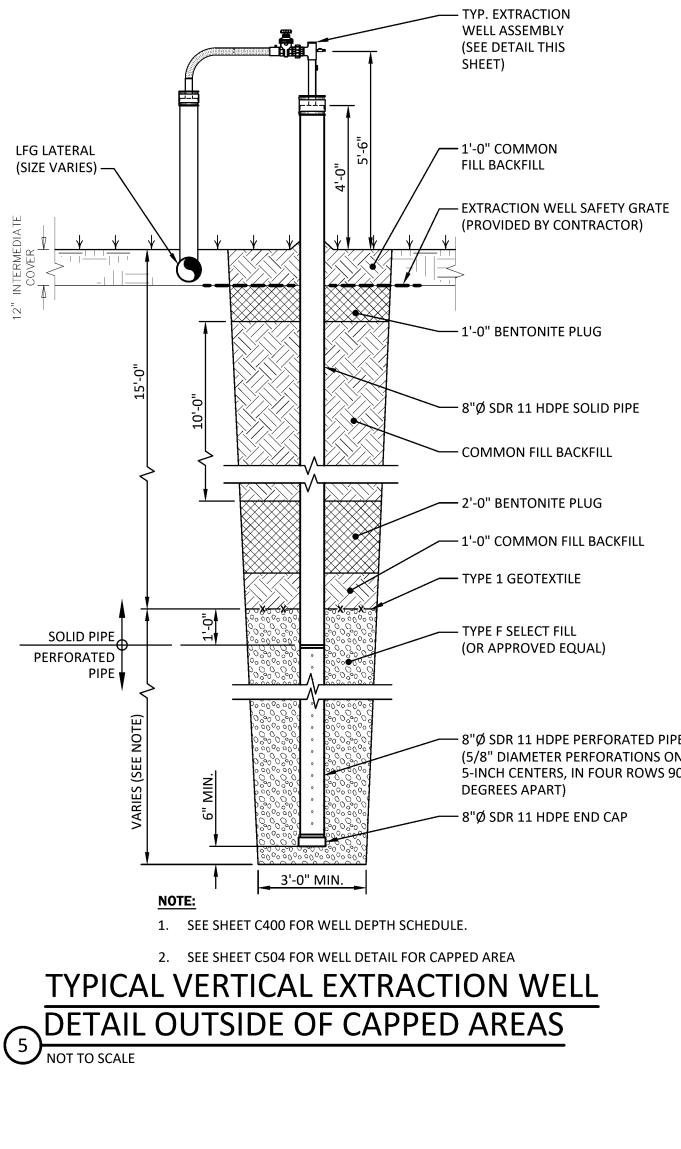


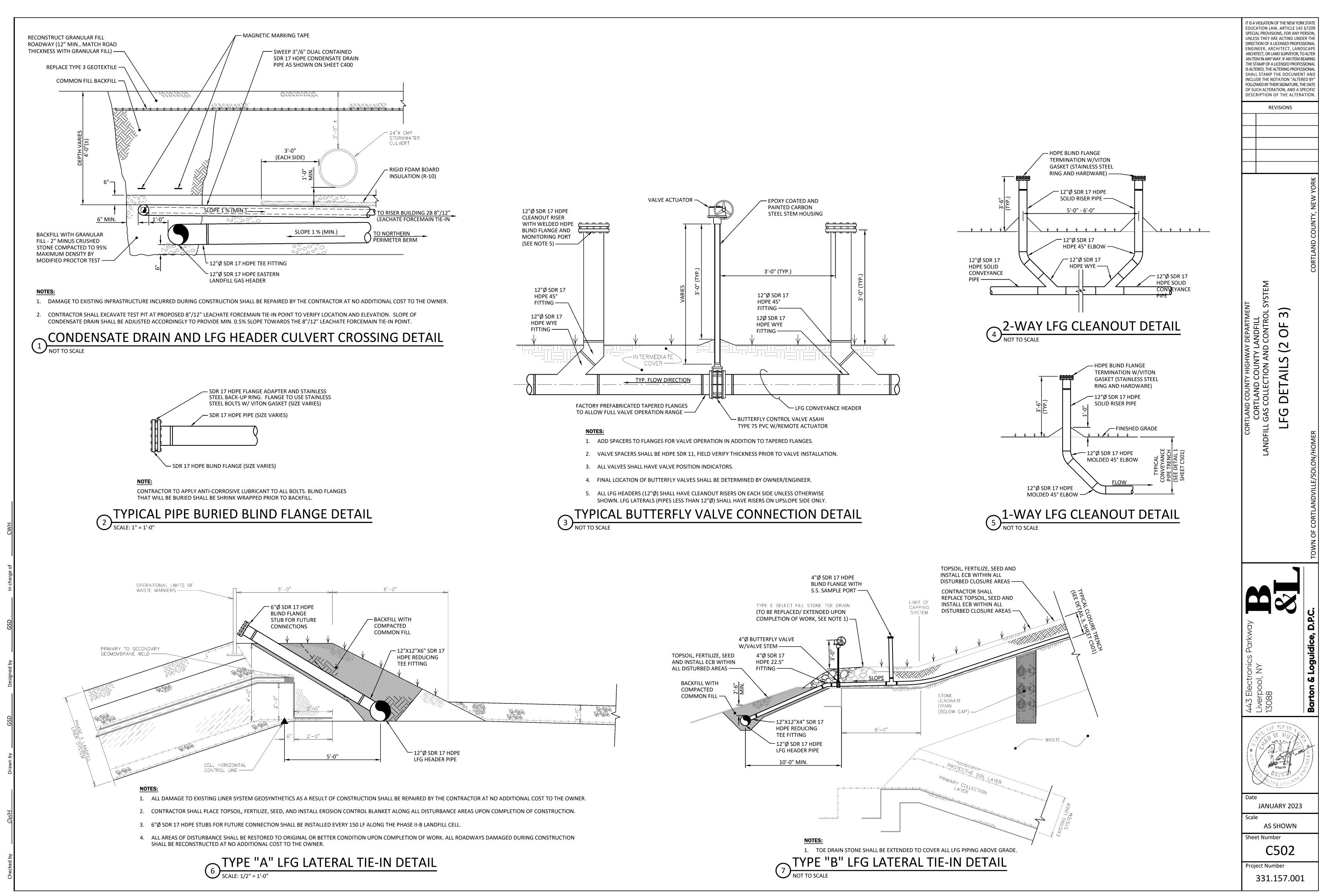


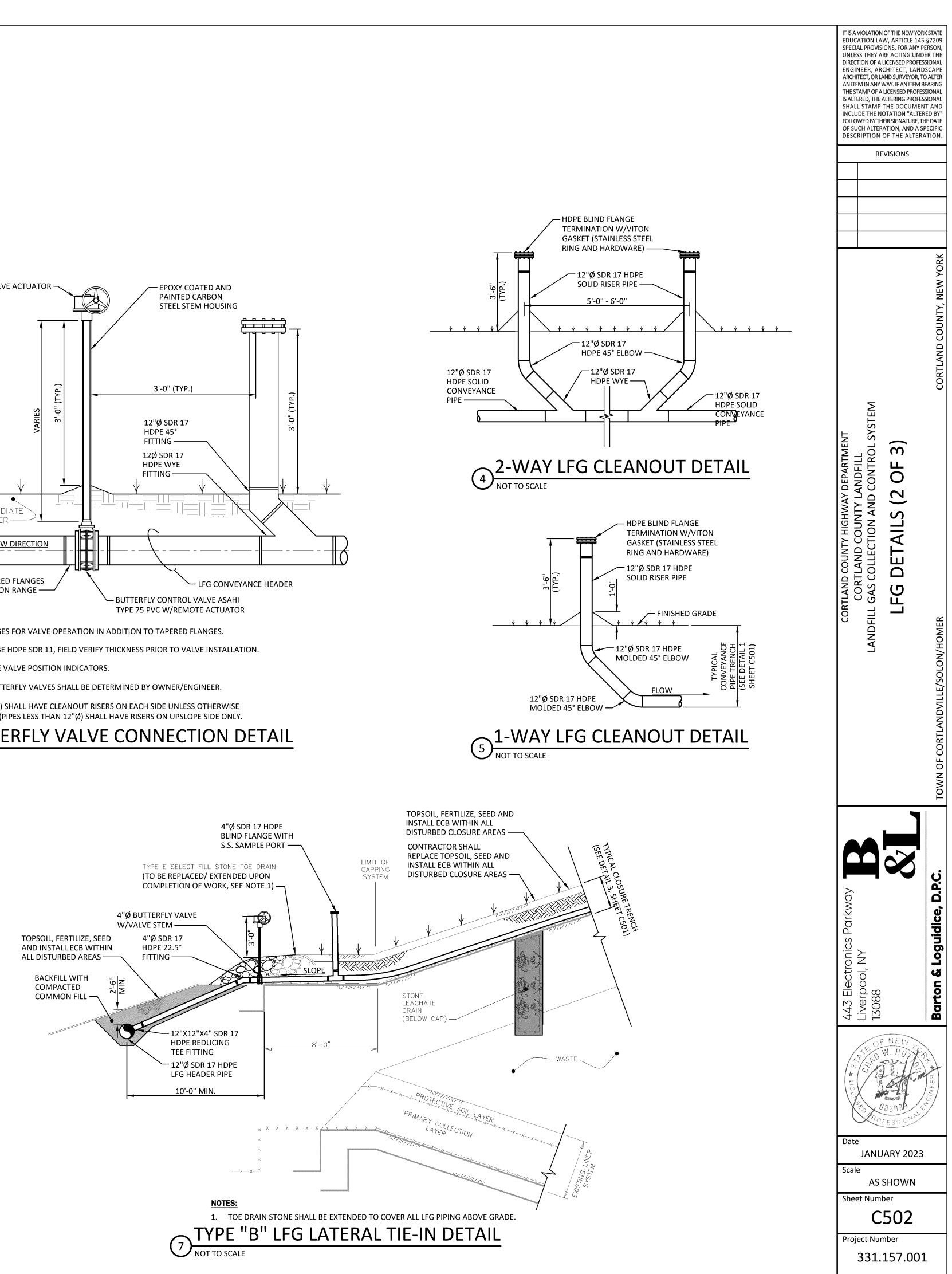


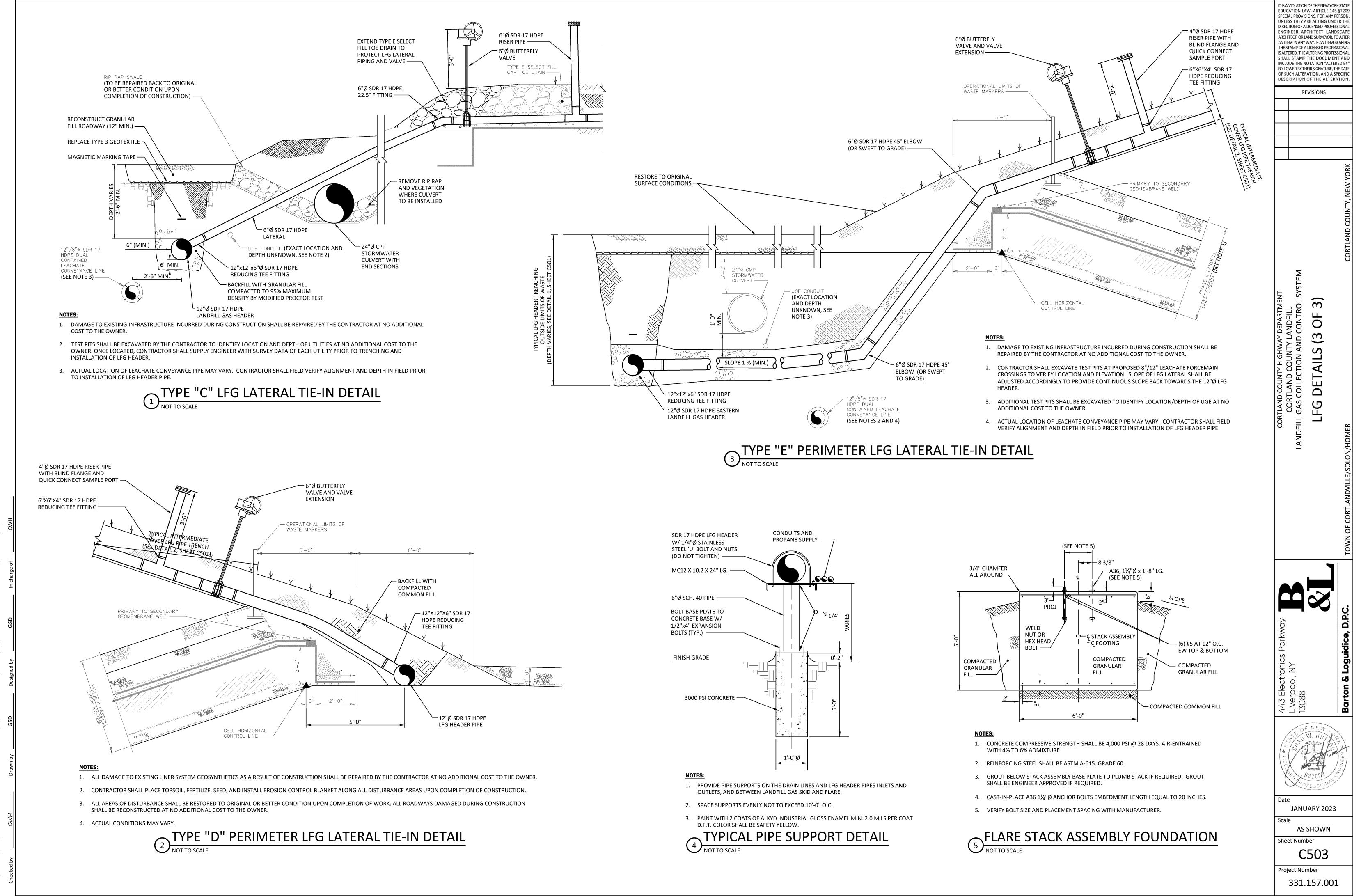


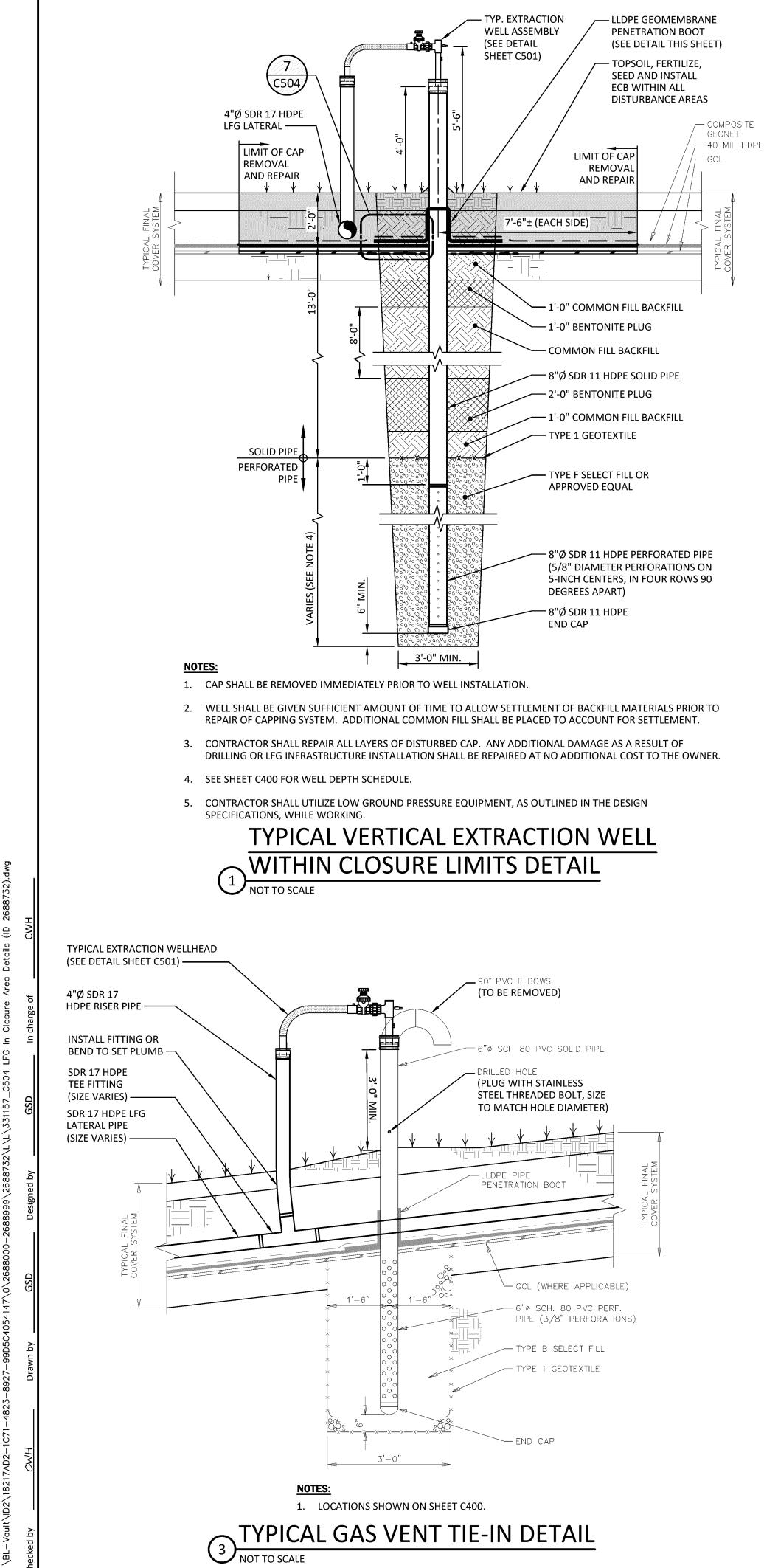


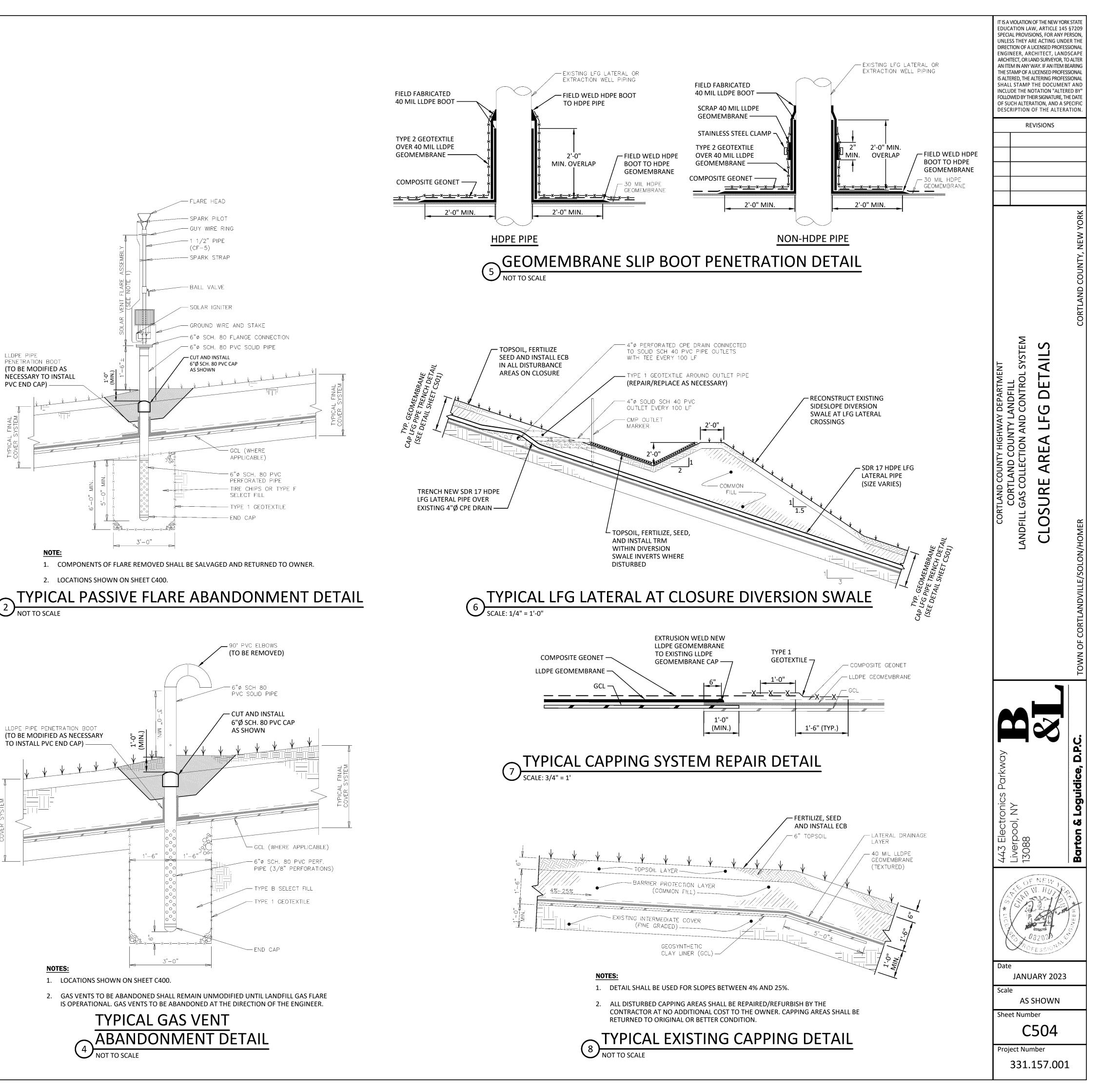


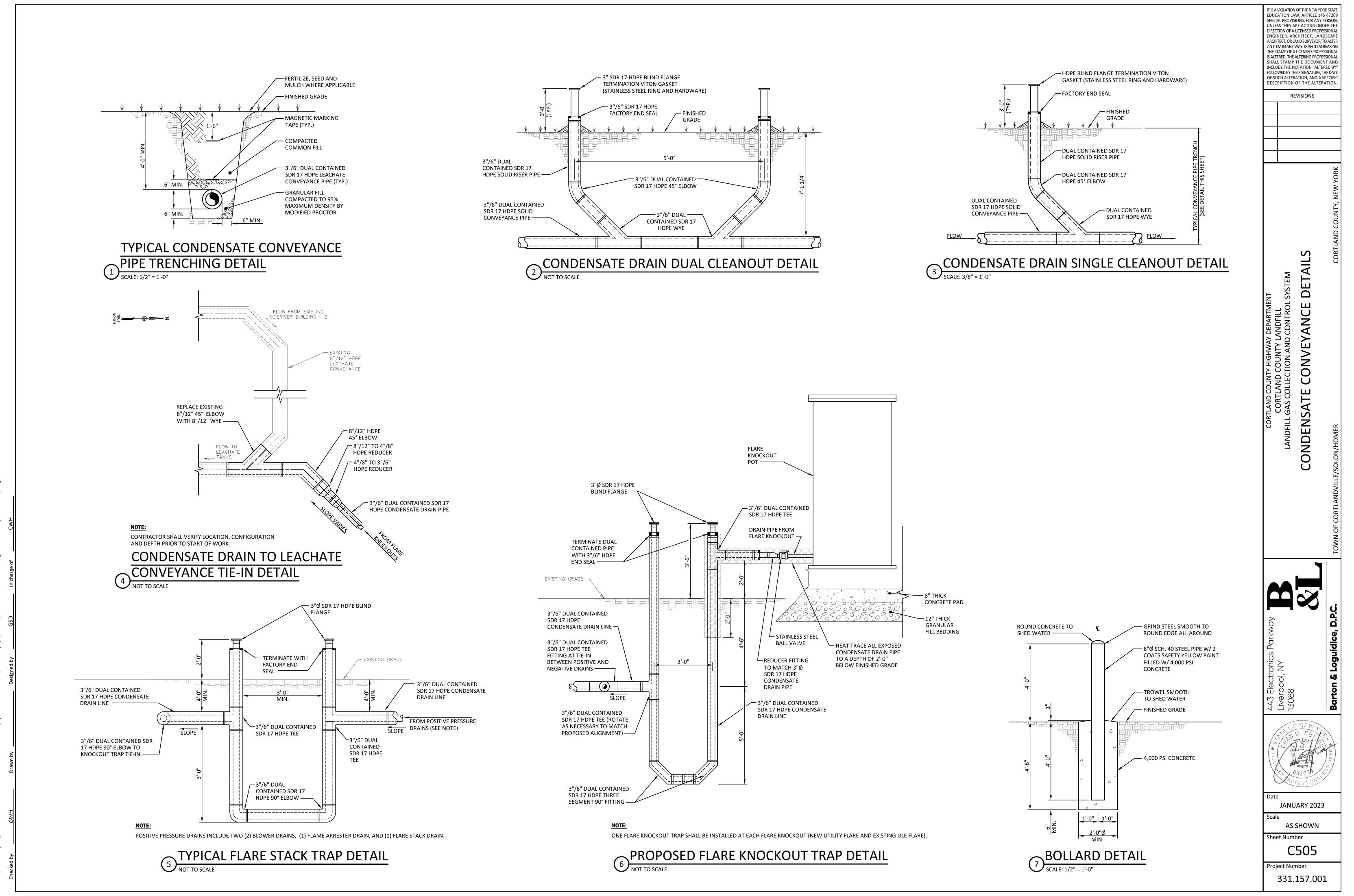


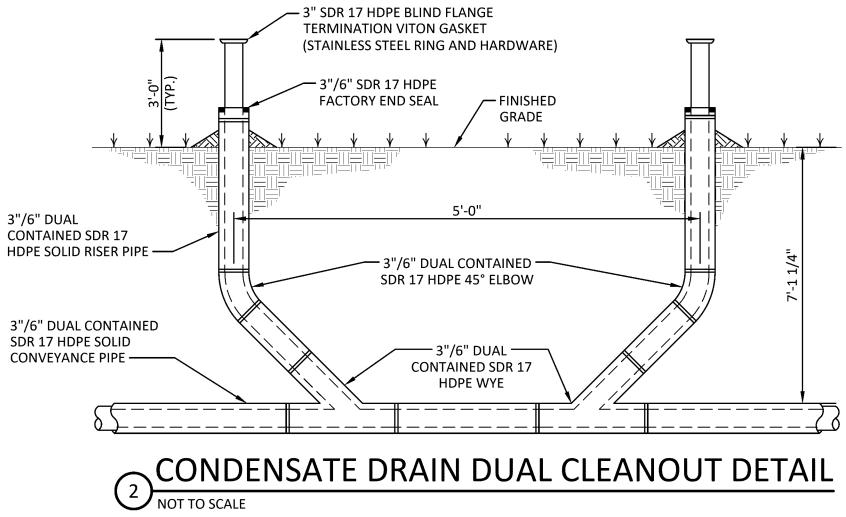




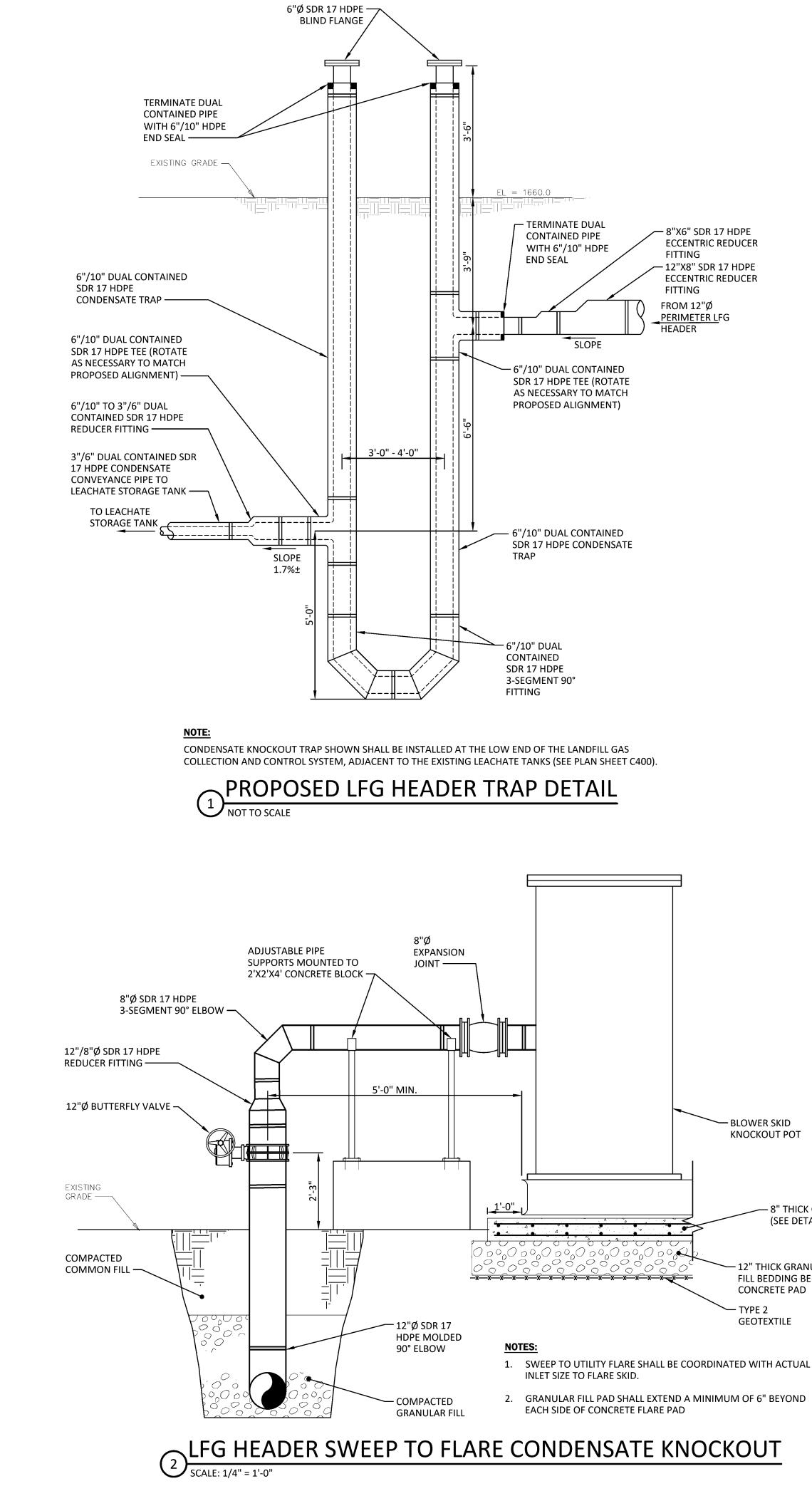












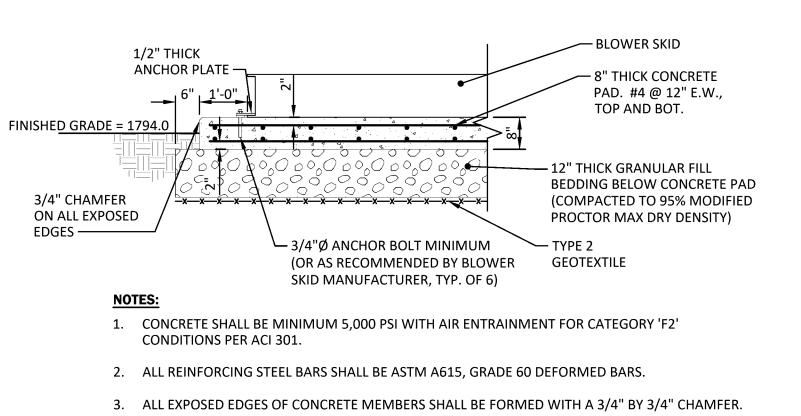
- TYPE 2 GEOTEXTILE

12" THICK GRANULAR FILL BEDDING BELOW CONCRETE PAD

- 8" THICK CONCRETE (SEE DETAIL THIS SHEET)

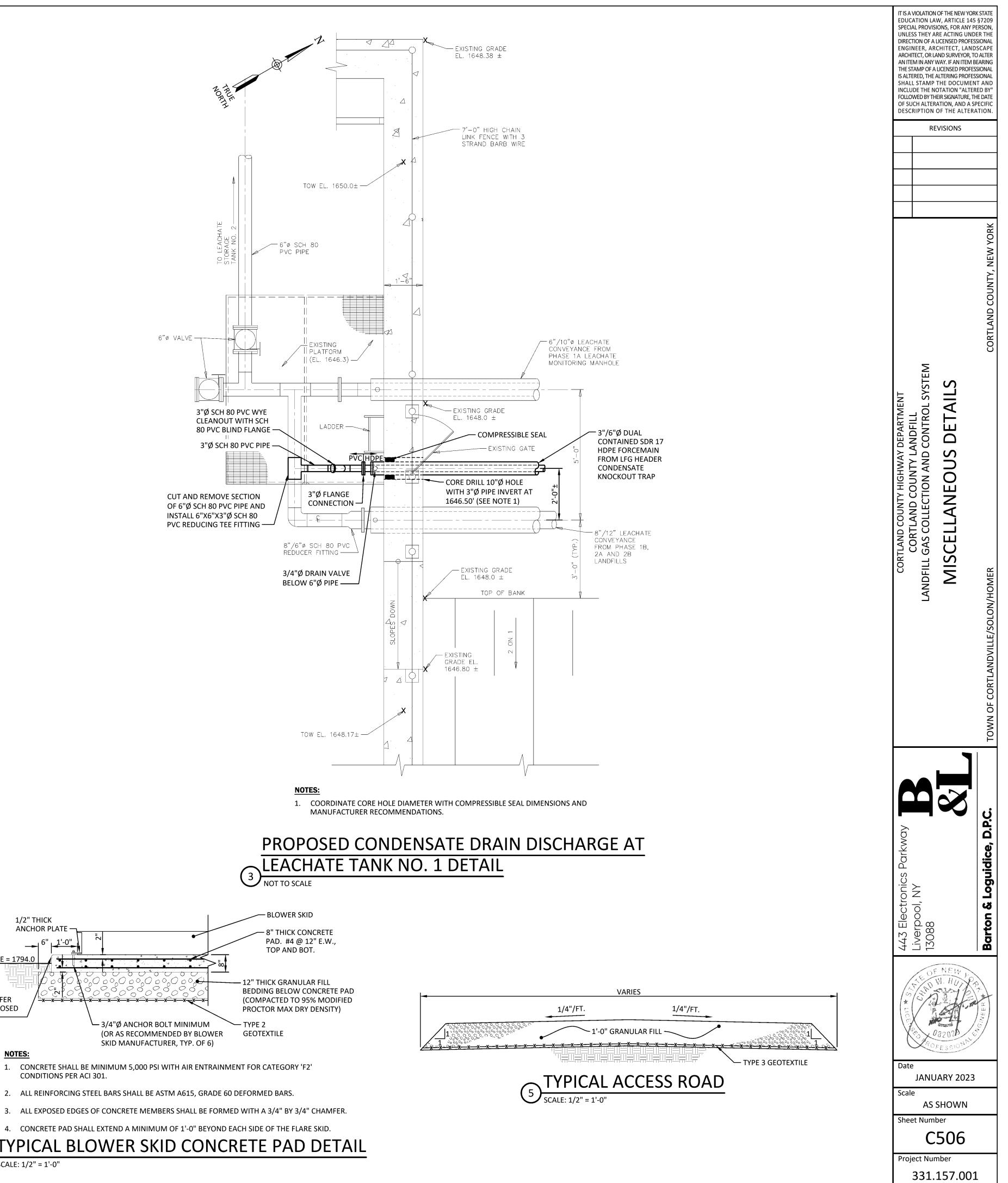
- BLOWER SKID KNOCKOUT POT

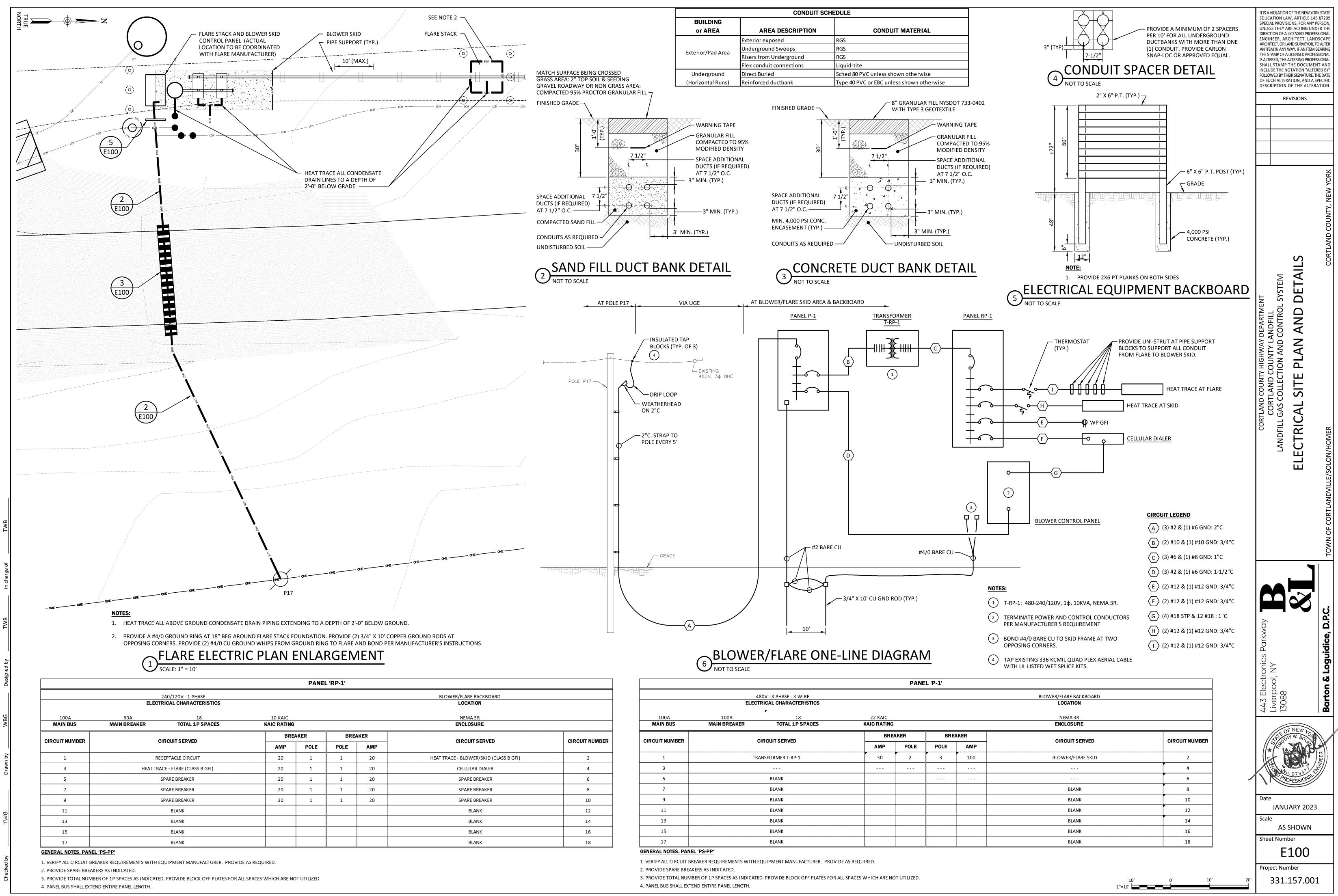




6"ø VALVE —

MANUFACTURER RECOMMENDATIONS.





BLOWER/FLARE BACKBOARD	
LOCATION	
NEMA 3 R	
ENCLOSURE	
CIRCUIT SERVED	CIRCUIT NUMBER
EAT TRACE - BLOWER/SKID (CLASS B GFI)	2
CELLULAR DIALER	4
SPARE BREAKER	6
SPARE BREAKER	8
SPARE BREAKER	10
BLANK	12
BLANK	14
BLANK	16
BLANK	18

		PANEI		
	4	80V - 3 PHASE - 3 WIRE		
	ELECI	RICAL CHARACTERISTICS		
100A MAIN BUS	100A MAIN BREAKER	TOTAL 1P SPACES	22 KAIC KAIC RATI	
			В	REAKER
	(	CIRCUIT SERVED	АМР	POLE
1	TR	TRANSFORMER T-RP-1		2
3				
5		BLANK		
7		BLANK		
9		BLANK		
11		BLANK		
13		BLANK		
15		BLANK		
17		BLANK		