



FEATURES ASSOCIATED WITH PHASE 2A ARE SHOWN FOR REFERENCE AS APPROVED. EXISTING FEATURES IN ASSOCIATION WITH THE PHASE 2A APPLICATION NO WORK ASSOCIATED WITH EITHER PHASE SHALL BE DONE UNTIL APPROPRIATE PERMITS ARE ISSUED.



**Line Legend**

	CONTOUR LINE, MINOR
	CONTOUR LINE, MAJOR
	ROAD STRIPE
	CURB LINE
	WATER LINE
	RIP RAP
	PAVEMENT, GRAVEL
	CHAIN LINK FENCE
	STRUCTURE
	UNDERGROUND SEWER LINE
	FLAGGED WETLAND DELINEATION
	EDGE OF WOODS
	GRAVEL HATCHING
	WATER HATCHING
	CONCRETE HATCHING
	WETLANDS HATCHING

**Abbreviations**

CON	CONCRETE
ASPH	ASPHALT
GRAV	GRAVEL
WTR	WATER
SEW	SEWER
EL	ELECTRIC
SM	SANITARY MANHOLE
SM	SEWER MANHOLE
SM	SEWER CONNECTION BOX
SM	SEWER CONNECTION BOX (ELECTRIC)
SM	SEWER TRAFFIC SIGNAL CONTROL BOX
SM	METER (ELECTRIC)
SM	VALVE (WATER)
SM	HYDRANT
SM	SIGN
SM	LIGHT POST
SM	CLEANOUT
SM	BOLLARD
SM	WETLANDS FLAG

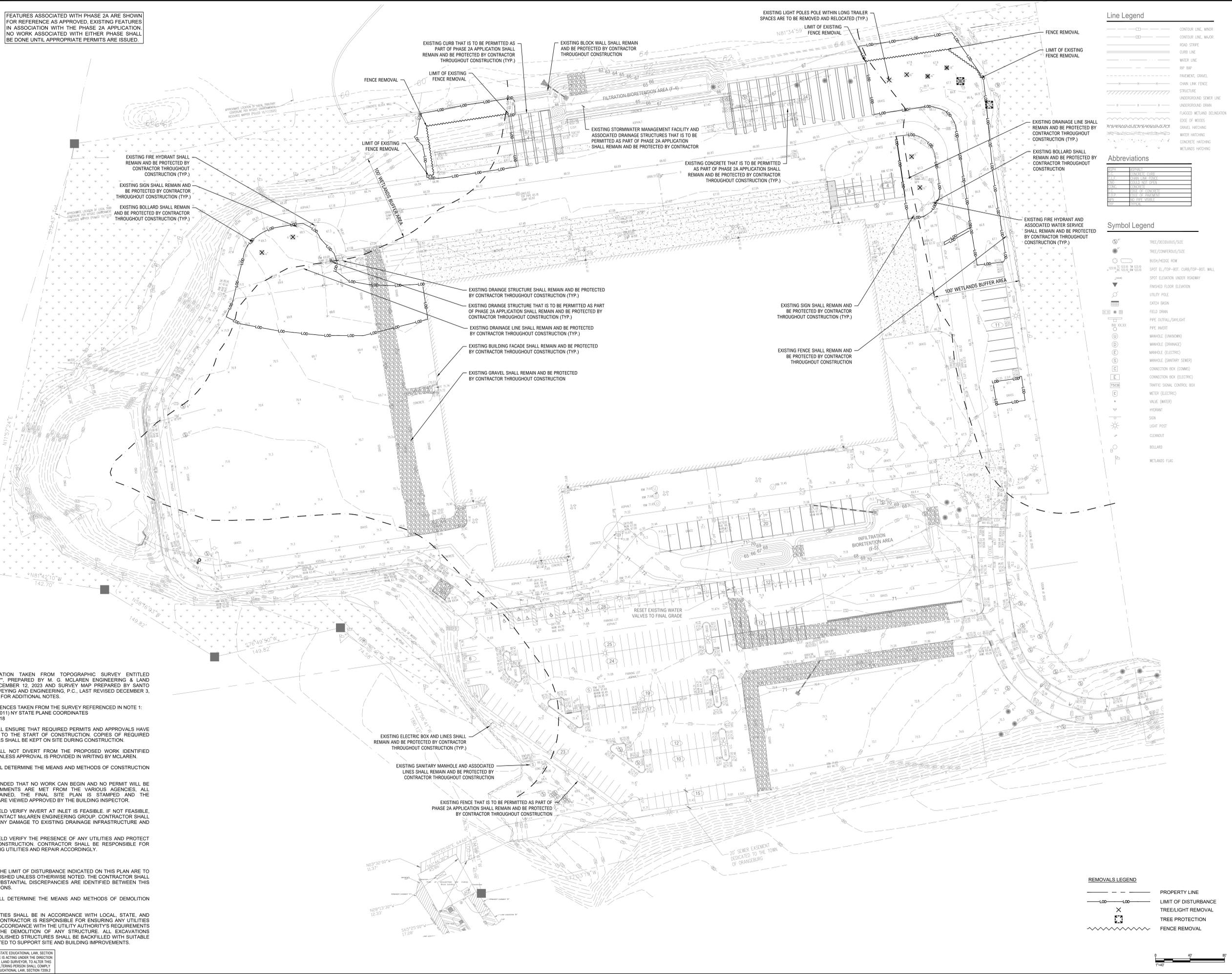
**Symbol Legend**

	TREE, DECIDUOUS/SIZE
	TREE, CONIFEROUS/SIZE
	BUSH/HEDGE ROW
	SPOT EL./TOP-BOT. CURB/TOP-BOT. WALL
	SPOT ELEVATION UNDER ROADWAY
	FINISHED FLOOR ELEVATION
	UTILITY POLE
	CATCH BASIN
	FIELD DRAIN
	PIPE INVERT
	MANHOLE (UNWIDENED)
	MANHOLE (DRAINAGE)
	MANHOLE (ELECTRIC)
	MANHOLE (SANITARY SEWER)
	CONNECTION BOX (SEWER)
	CONNECTION BOX (ELECTRIC)
	TRAFFIC SIGNAL CONTROL BOX
	METER (ELECTRIC)
	VALVE (WATER)
	HYDRANT
	SIGN
	LIGHT POST
	CLEANOUT
	BOLLARD
	WETLANDS FLAG

FILE NAME: P:\proj\1021058710\_Dwg\CADD\Phase 2B-C-003\_Existing Conditions\Plan\wg PLOT TIME: Wednesday, January 21, 2026 - 4:17 PM

- GENERAL NOTES:**
- BACKGROUND INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY ENTITLED "TOPOGRAPHIC SURVEY" PREPARED BY M. G. McLAREN ENGINEERING & LAND SURVEYING, DATED DECEMBER 12, 2023 AND SURVEY MAP PREPARED BY SANTO ASSOCIATES LAND SURVEYING AND ENGINEERING, P.C., LAST REVISED DECEMBER 3, 2010. REFER TO SURVEY FOR ADDITIONAL NOTES.
  - TOPOGRAPHICAL REFERENCES TAKEN FROM THE SURVEY REFERENCED IN NOTE 1:
    - HORIZONTAL: NAD83(2011) NY STATE PLANE COORDINATES
    - VERTICAL: NAVD-88 G 18
  - THE CONTRACTOR SHALL ENSURE THAT REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE DURING CONSTRUCTION.
  - THE CONTRACTOR SHALL NOT DIVERT FROM THE PROPOSED WORK IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY McLAREN.
  - THE CONTRACTOR SHALL DETERMINE THE MEANS AND METHODS OF CONSTRUCTION ACTIVITIES.
  - THE APPLICANT IS REMINDED THAT NO WORK CAN BEGIN AND NO PERMIT WILL BE ISSUED UNTIL ALL COMMENTS ARE MET FROM THE VARIOUS AGENCIES. ALL APPROVALS ARE OBTAINED, THE FINAL SITE PLAN IS STAMPED AND THE CONSTRUCTION PLANS ARE VIEWED APPROVED BY THE BUILDING INSPECTOR.
  - CONTRACTOR SHALL FIELD VERIFY INVERT AT INLET IS FEASIBLE. IF NOT FEASIBLE, CONTRACTOR SHALL CONTACT McLAREN ENGINEERING GROUP. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING DRAINAGE INFRASTRUCTURE AND REPAIR ACCORDINGLY.
  - CONTRACTOR SHALL FIELD VERIFY THE PRESENCE OF ANY UTILITIES AND PROTECT THEM THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES AND REPAIR ACCORDINGLY.
- REMOVALS NOTES:**
- ALL FEATURES WITHIN THE LIMIT OF DISTURBANCE INDICATED ON THIS PLAN ARE TO BE REMOVED OR DEMOLISHED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL INFORM McLAREN IF SUBSTANTIAL DISCREPANCIES ARE IDENTIFIED BETWEEN THIS PLAN AND FIELD CONDITIONS.
  - THE CONTRACTOR SHALL DETERMINE THE MEANS AND METHODS OF DEMOLITION ACTIVITIES.
  - ALL DEMOLITION ACTIVITIES SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ANY UTILITIES ARE DISCONNECTED IN ACCORDANCE WITH THE UTILITY AUTHORITY'S REQUIREMENTS PRIOR TO STARTING THE DEMOLITION OF ANY STRUCTURE. ALL EXCAVATIONS ASSOCIATED WITH DEMOLISHED STRUCTURES SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO SUPPORT SITE AND BUILDING IMPROVEMENTS.

WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2

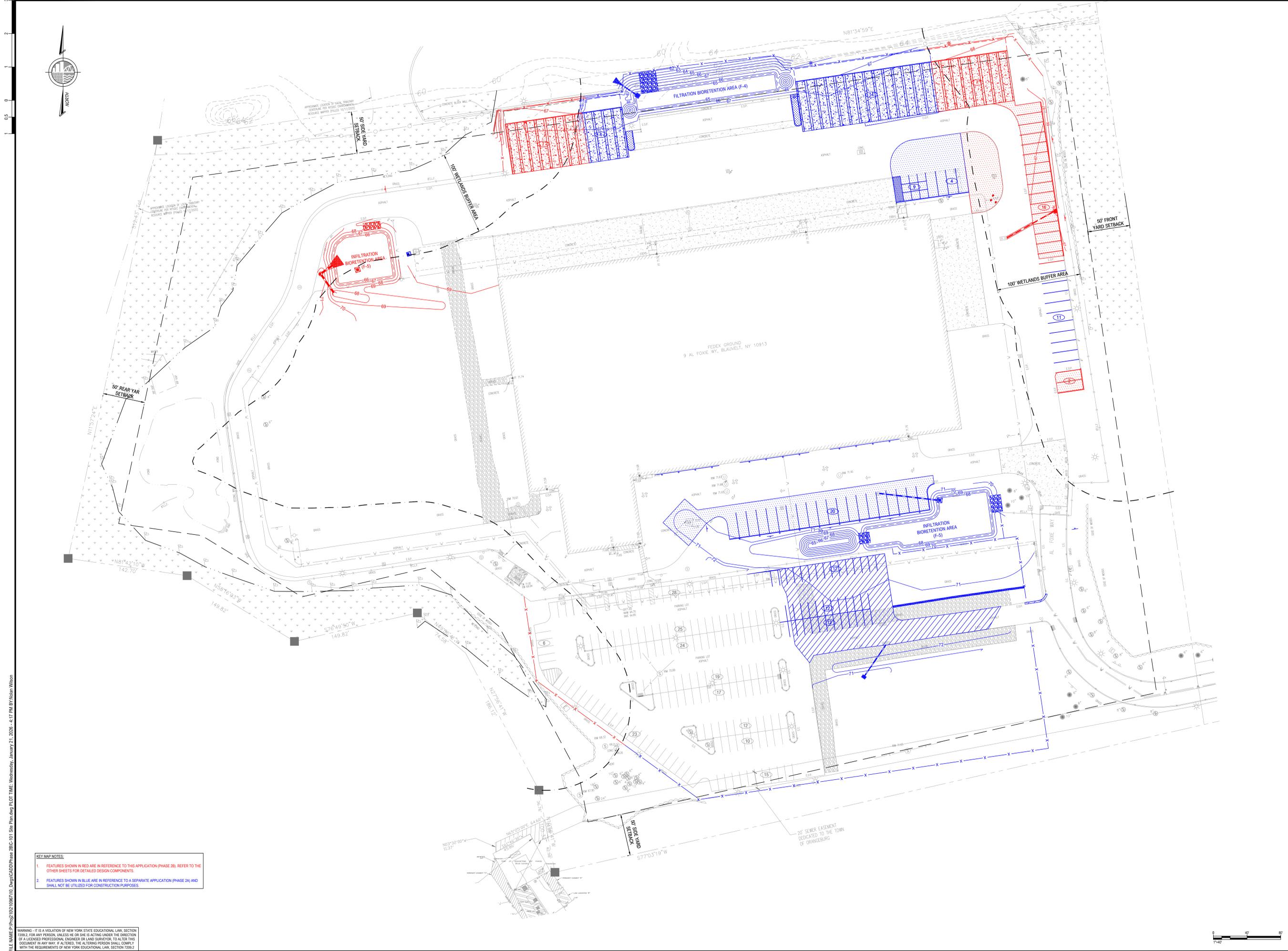


**REMOVALS LEGEND**

	PROPERTY LINE
	LIMIT OF DISTURBANCE
	TREE/LIGHT REMOVAL
	TREE PROTECTION
	FENCE REMOVAL



<p><b>McLaren</b> A DIVISION OF KCI M. G. McLaren Engineering and Land Surveying P.C. 530 Chestnut Ridge Road New York, New York 10904 T: 201.775.6800 www.kci.com</p>	<p>PROJECT: FEDEX GROUND EXPANSION PHASE 2B 9 AL FOXIE WAY HAMLET OF BLAUVELT, TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK PARCEL ID: 65.14-1-11.1</p> <p style="text-align: center;"><b>EXISTING CONDITIONS &amp; REMOVALS PLAN (PHASE 2B)</b></p> <p>PROJECT NO: 00048859_001 SCALE: AS SHOWN DATE: 01/22/2026 DRAWN BY: NTW/BJV CHECKED BY: MJK/JRR DRAWING NO: <b>C-002</b></p> <p style="text-align: right;">2 OF 12 SHEETS</p>
--	---



**KEY MAP NOTES:**

1. FEATURES SHOWN IN RED ARE IN REFERENCE TO THIS APPLICATION (PHASE 2B); REFER TO THE OTHER SHEETS FOR DETAILED DESIGN COMPONENTS.
2. FEATURES SHOWN IN BLUE ARE IN REFERENCE TO A SEPARATE APPLICATION (PHASE 2A) AND SHALL NOT BE UTILIZED FOR CONSTRUCTION PURPOSES.

WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2.

 <p><b>McLaren</b> KCI A DIVISION OF KCI M. G. McLaren Engineering and Land Surveying P.C. 530 Chestnut Ridge Road Roseland, New York 10962 T: 201.775.6800 www.mclaren.com</p>	<p><b>PHASING PLAN KEY MAP</b></p>
<p><b>FEDEX GROUND EXPANSION PHASE 2B</b> 9 AL FOXIE WAY HAMLET OF BLAUVELT, TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK PARCEL ID: 65.14-1-11.1</p>	
<p>PROJECT NO: 00048859_001 SCALE: AS SHOWN DATE: 01/22/2026 DRAWN BY: NTW/BJV CHECKED BY: MJK/JRR DRAWING NO: C-100</p>	<p>3 OF 12 SHEETS</p>

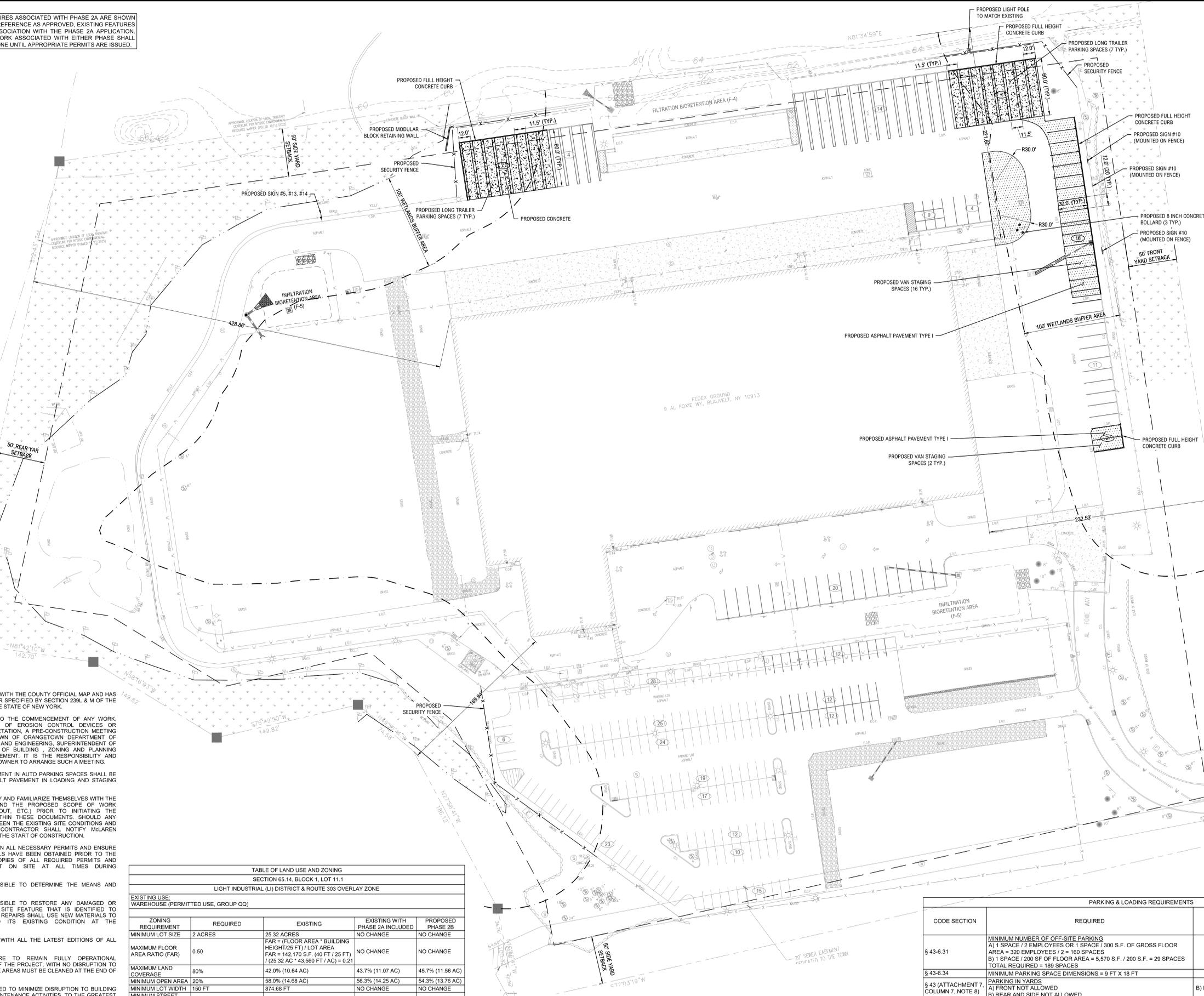


FEATURES ASSOCIATED WITH PHASE 2A ARE SHOWN FOR REFERENCE AS APPROVED. EXISTING FEATURES IN ASSOCIATION WITH THE PHASE 2A APPLICATION NO WORK ASSOCIATED WITH EITHER PHASE SHALL BE DONE UNTIL APPROPRIATE PERMITS ARE ISSUED.



**PROPOSED LEGEND**

	PROPERTY LINE
	SETBACK LINE
	FULL HEIGHT CURB
	FLUSH CURB
	STRIPING
	CHAIN-LINK FENCE
	ASPHALT TYPE I
	CONCRETE
	SIGN
	BOLLARD
	RETAINING WALL



- NOTES:**
- THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L & M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
  - AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF ANY WORK, INCLUDING THE INSTALLATION OF EROSION CONTROL DEVICES OR REMOVAL OF TREES AND VEGETATION, A PRE-CONSTRUCTION MEETING MUST BE HELD WITH THE TOWN OF ORANGETOWN DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND ENGINEERING, SUPERINTENDENT OF HIGHWAYS AND THE OFFICE OF BUILDING, ZONING AND PLANNING ADMINISTRATION AND ENFORCEMENT. IT IS THE RESPONSIBILITY AND OBLIGATION OF THE PROPERTY OWNER TO ARRANGE SUCH A MEETING.
  - ALL PROPOSED ASPHALT PAVEMENT IN AUTO PARKING SPACES SHALL BE TYPE II. ALL PROPOSED ASPHALT PAVEMENT IN LOADING AND STAGING AREAS SHALL BE TYPE I.
  - THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY DISCREPANCY BE FOUND BETWEEN THE EXISTING SITE CONDITIONS AND THE PROPOSED WORK THE CONTRACTOR SHALL NOTIFY McLAREN ENGINEERING GROUP PRIOR TO THE START OF CONSTRUCTION.
  - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
  - THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION.
  - THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTOR'S EXPENSE.
  - THIS PROJECT SHALL COMPLY WITH ALL THE LATEST EDITIONS OF ALL APPLICABLE CODES.
  - ALL EXISTING BUILDINGS ARE TO REMAIN FULLY OPERATIONAL THROUGHOUT THE ENTIRETY OF THE PROJECT WITH NO DISRUPTION TO TENANT OPERATIONS. ALL WORK AREAS MUST BE CLEANED AT THE END OF EVERY WORK DAY.
  - THE WORK SHALL BE SEQUENCED TO MINIMIZE DISRUPTION TO BUILDING OCCUPANTS, VISITORS, AND MAINTENANCE ACTIVITIES. TO THE GREATEST EXTENT FEASIBLE, DEMOLITION WORK SHOULD NOT TAKE PLACE UNTIL SUPPLIES ARE ON HAND TO PERFORM NEW WORK.
  - ALL PROPOSED LIMITS OF FULL DEPTH ASPHALT SHALL MEET EXISTING GRADE. THE LIMITS OF FULL DEPTH ASPHALT SHALL BE EXTENDED TO ENSURE A SMOOTH TRANSITION TO EXISTING PAVEMENT.
  - PAVEMENT MARKINGS SHALL BE REPLACED AS SHOWN ON SITE PLANS WHERE REMOVED FOR FULL DEPTH ASPHALT OR ANY RELATED CONSTRUCTION.

**TABLE OF LAND USE AND ZONING**  
SECTION 65.14, BLOCK 1, LOT 11.1  
LIGHT INDUSTRIAL (LI) DISTRICT & ROUTE 303 OVERLAY ZONE

EXISTING USE	ZONING REQUIREMENT	REQUIRED	EXISTING	EXISTING WITH PHASE 2A INCLUDED	PROPOSED PHASE 2B
WAREHOUSE (PERMITTED USE, GROUP QQ)					
	MINIMUM LOT SIZE	2 ACRES	25.32 ACRES	NO CHANGE	NO CHANGE
	MAXIMUM FLOOR AREA RATIO (FAR)	0.50	FAR = (FLOOR AREA * BUILDING HEIGHT) / 25 FT / LOT AREA FAR = 142,170 S.F. (40 FT / 25 FT) / (25.32 AC * 43,560 FT / AC) = 0.21	NO CHANGE	NO CHANGE
	MAXIMUM LAND COVERAGE	80%	42.0% (10.64 AC)	43.7% (11.07 AC)	45.7% (11.56 AC)
	MINIMUM OPEN AREA	20%	58.0% (14.68 AC)	56.3% (14.25 AC)	54.3% (13.76 AC)
	MINIMUM LOT WIDTH	150 FT	874.68 FT	NO CHANGE	NO CHANGE
	MINIMUM STREET FRONTAGE	150 FT	143.33 FT (ROUTE 303) (E/C)	NO CHANGE	NO CHANGE
	MINIMUM FRONT YARD	50 FT	232.53 FT	NO CHANGE	NO CHANGE
	MINIMUM SIDE YARD	50 FT	169.94 FT	NO CHANGE	NO CHANGE
	MINIMUM TOTAL SIDE YARD	100 FT	391.54 FT	NO CHANGE	NO CHANGE
	MINIMUM REAR YARD	50 FT	428.86 FT	NO CHANGE	NO CHANGE
	MAXIMUM BUILDING HEIGHT	67' FT OF DISTANCE TO LOT LINE = 169.94' / (67'12" = 85.90'	40'	NO CHANGE	NO CHANGE

(E/C) = EXISTING NON-CONFORMITY

**PARKING CHART**

TYPE	EXISTING	EXISTING WITH PHASE 2A INCLUDED	EXISTING WITH PHASE 2A INCLUDED TOTAL	PROPOSED PHASE 2B	PROPOSED OVERALL	OVERALL TOTAL
AUTO PARKING	179	36	215	NO CHANGE	36	215
TRAILER/TRACTOR PARKING	49	NO CHANGE	NO CHANGE	14	14	63
LOADING BERTHS	47	NO CHANGE	NO CHANGE	NO CHANGE	NO CHANGE	47
VAN STAGING SPACES	24	24	48	18	42	66
DOLLY PARKING SPACES	9	NO CHANGE	NO CHANGE	NO CHANGE	NO CHANGE	9

**PARKING & LOADING REQUIREMENTS**

CODE SECTION	REQUIRED	EXISTING	EXISTING WITH PHASE 2A INCLUDED	PROPOSED PHASE 2B
§ 43-6.31	MINIMUM NUMBER OF OFF-SITE PARKING A) 1 SPACE / 2 EMPLOYEES OR 1 SPACE / 300 S.F. OF GROSS FLOOR AREA = 320 EMPLOYEES / 2 = 160 SPACES B) 1 SPACE / 200 SF OF FLOOR AREA = 5,570 S.F. / 200 S.F. = 29 SPACES TOTAL REQUIRED = 189 SPACES	179(E/C)	215	NO CHANGE
§ 43-6.34	MINIMUM PARKING SPACE DIMENSIONS = 9 FT X 18 FT	9 FT X 19 FT	9 FT X 19 FT	9 FT X 19 FT
§ 43 (ATTACHMENT 7, COLUMN 7, NOTE B)	PARKING IN YARDS A) FRONT NOT ALLOWED B) REAR AND SIDE NOT ALLOWED	A) COMPLIES B) DOES NOT COMPLY (E/C)	A) NO CHANGE B) DOES NOT COMPLY (V)	A) NO CHANGE B) DOES NOT COMPLY (V)
§ 43-6.34	MINIMUM DRIVE AISLE WIDTH = 22 FT	25 FT	25 FT	25 FT
§ 43-6.35	MINIMUM WIDTH OF PUBLIC ROAD ACCESS = 24 FT	30 FT	NO CHANGE	NO CHANGE
§ 43-6.35	MAXIMUM NUMBER OF DRIVEWAY LANES = 2	2	NO CHANGE	NO CHANGE
§ 43-6.41(f)	MINIMUM NUMBER OF LOADING SPACES A) ONE FOR FIRST 10,000 FLOOR AREA = 1 B) ONE FOR EACH ADDITIONAL 20,000 = (142,170 - 10,000) / 20,000 = 7 TOTAL = 8 REQUIRED	47	NO CHANGE	NO CHANGE
§ 43-6.42	MINIMUM DIMENSIONS OF OFF-STREET LOADING BERTHS = 12 FT X 45 FT	12 FT X 60 FT	NO CHANGE	NO CHANGE
§ 43-6.42	MINIMUM LOADING BERTH OVERHEAD CLEARANCE = 15 FT	>15 FT	NO CHANGE	NO CHANGE

(E/C) = EXISTING NON-CONFORMITY  
(V) = VARIANCE

FILE NAME: P:\Proj\10210360\10210360.dwg; Phase 2B-C-101 Site Plan.dwg; PLOT TIME: Wednesday, January 21, 2026, 4:17 PM; BY: Nshan Wilson

**McLaren**  
A DIVISION OF KCI  
M. G. McLaren Engineering and Land Surveying P.C.  
530 Chestnut Ridge Road  
New York, NY 10912  
T: 201.775.6800  
www.mclaren.com

**KCI**  
A DIVISION OF KCI  
M. G. McLaren Engineering and Land Surveying P.C.  
530 Chestnut Ridge Road  
New York, NY 10912  
T: 201.775.6800  
www.mclaren.com

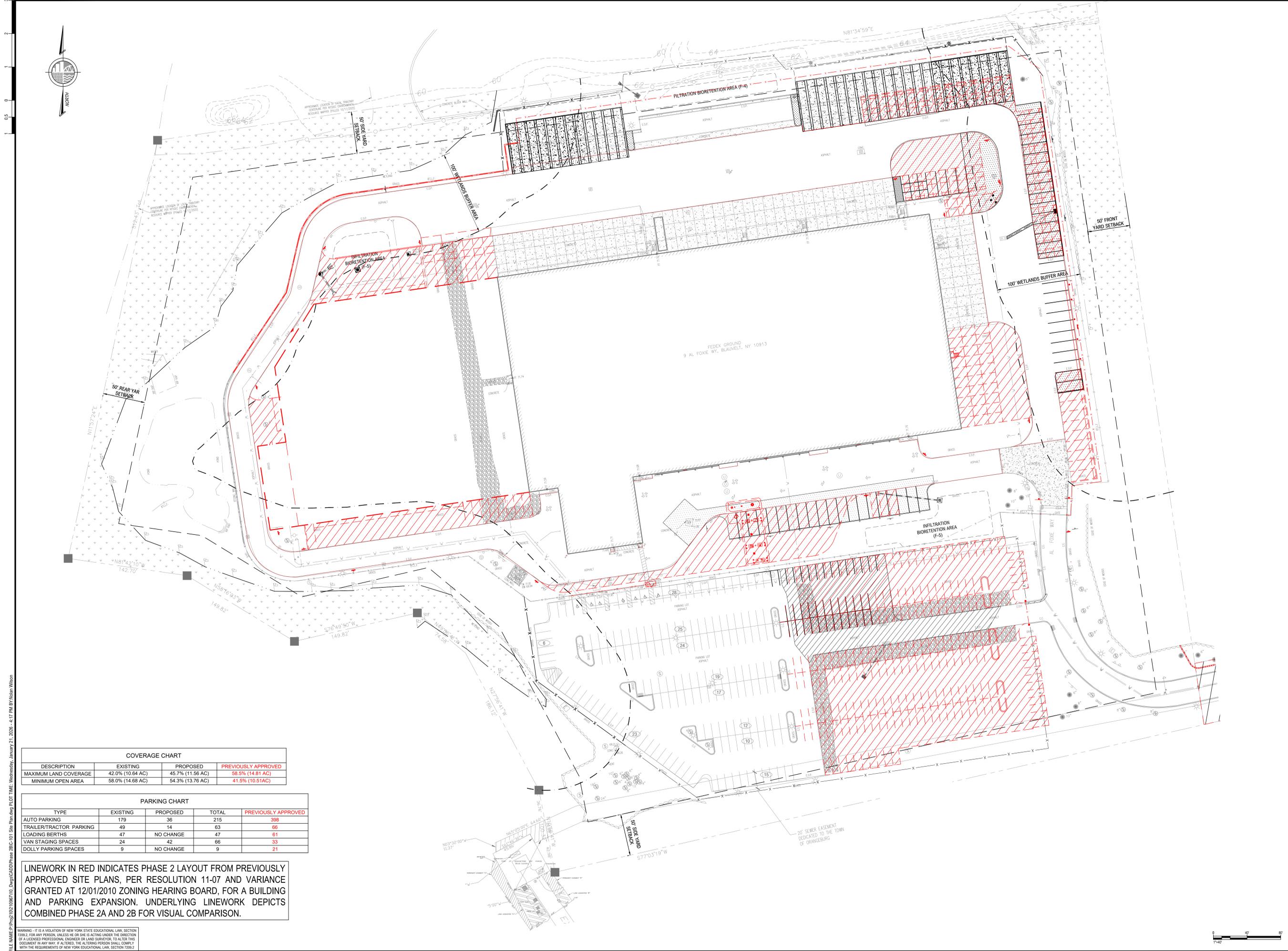
**FEDEX GROUND EXPANSION PHASE 2B**  
9 AL FOXIE WAY  
HAMLET OF BLAUVELT, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, NEW YORK  
PARCEL ID: 65.14-11-11.1

**SITE PLAN (PHASE 2B)**

PROJECT NO: 00048859\_001  
SCALE: AS SHOWN  
DATE: 01/22/2026  
DRAWN BY: NTW/BJV  
CHECKED BY: MJK/JRR  
DRAWING NO: C-101

4 OF 12 SHEETS

COPYRIGHT © 2024, M. G. McLaren Engineering and Land Surveying P.C.



COVERAGE CHART

DESCRIPTION	EXISTING	PROPOSED	PREVIOUSLY APPROVED
MAXIMUM LAND COVERAGE	42.0% (10.64 AC)	45.7% (11.56 AC)	58.5% (14.81 AC)
MINIMUM OPEN AREA	58.0% (14.68 AC)	54.3% (13.76 AC)	41.5% (10.51 AC)

PARKING CHART

TYPE	EXISTING	PROPOSED	TOTAL	PREVIOUSLY APPROVED
AUTO PARKING	179	36	215	398
TRAILER/TRACTOR PARKING	49	14	63	66
LOADING BERTHS	47	NO CHANGE	47	61
VAN STAGING SPACES	24	42	66	33
DOLLY PARKING SPACES	9	NO CHANGE	9	21

LINework IN RED INDICATES PHASE 2 LAYOUT FROM PREVIOUSLY APPROVED SITE PLANS, PER RESOLUTION 11-07 AND VARIANCE GRANTED AT 12/01/2010 ZONING HEARING BOARD, FOR A BUILDING AND PARKING EXPANSION. UNDERLYING LINework DEPICTS COMBINED PHASE 2A AND 2B FOR VISUAL COMPARISON.

WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2

**McLaren**  
A DIVISION OF KCI

M. G. McLaren Engineering and Land Surveying P.C.  
530 Chestnut Ridge Road  
T. 201.775.6800  
www.kci.com

PROJECT  
**FEDEX GROUND EXPANSION PHASE 2B**  
9 AL FOXIE WAY  
HAMLET OF BLAUVELT, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, NEW YORK  
PARCEL ID: 65.14-1-11.1

**SITE COMPARISON PLAN**  
(OVERALL)

PROJECT NO: 00048859\_001  
SCALE: AS SHOWN  
DATE: 01/22/2026  
DRAWN BY: NTW/BJV  
CHECKED BY: MJK/JRR  
DRAWING NO:

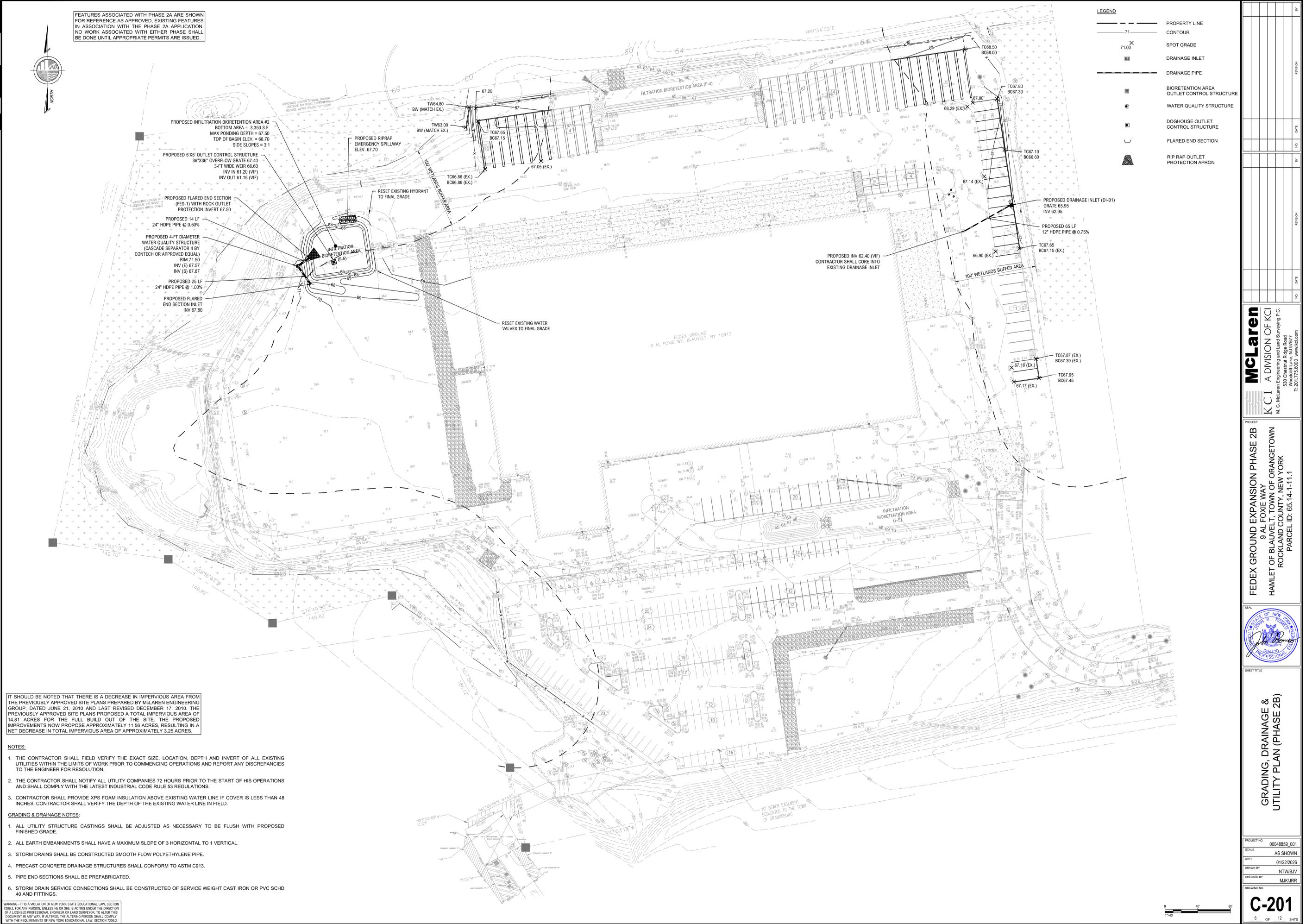
C-102

5 OF 12 SHEETS

FEATURES ASSOCIATED WITH PHASE 2A ARE SHOWN FOR REFERENCE AS APPROVED. EXISTING FEATURES IN ASSOCIATION WITH THE PHASE 2A APPLICATION NO WORK ASSOCIATED WITH EITHER PHASE SHALL BE DONE UNTIL APPROPRIATE PERMITS ARE ISSUED.



LEGEND	
—	PROPERTY LINE
---	CONTOUR
X	SPOT GRADE
—	DRAINAGE INLET
---	DRAINAGE PIPE
■	BIORETENTION AREA
○	OUTLET CONTROL STRUCTURE
○	WATER QUALITY STRUCTURE
○	DOGHOUSE OUTLET CONTROL STRUCTURE
—	FLARED END SECTION
▲	RIP RAP OUTLET PROTECTION APRON



IT SHOULD BE NOTED THAT THERE IS A DECREASE IN IMPERVIOUS AREA FROM THE PREVIOUSLY APPROVED SITE PLANS PREPARED BY McLAREN ENGINEERING GROUP, DATED JUNE 21, 2010 AND LAST REVISED DECEMBER 17, 2010. THE PREVIOUSLY APPROVED SITE PLANS PROPOSED A TOTAL IMPERVIOUS AREA OF 14.81 ACRES FOR THE FULL BUILD OUT OF THE SITE. THE PROPOSED IMPROVEMENTS NOW PROPOSE APPROXIMATELY 11.56 ACRES, RESULTING IN A NET DECREASE IN TOTAL IMPERVIOUS AREA OF APPROXIMATELY 3.25 ACRES.

- NOTES:**
1. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT SIZE, LOCATION, DEPTH AND INVERT OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF WORK PRIOR TO COMMENCING OPERATIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER FOR RESOLUTION.
  2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO THE START OF HIS OPERATIONS AND SHALL COMPLY WITH THE LATEST INDUSTRIAL CODE RULE 53 REGULATIONS.
  3. CONTRACTOR SHALL PROVIDE XPS FOAM INSULATION ABOVE EXISTING WATER LINE IF COVER IS LESS THAN 48 INCHES. CONTRACTOR SHALL VERIFY THE DEPTH OF THE EXISTING WATER LINE IN FIELD.

- GRADING & DRAINAGE NOTES:**
1. ALL UTILITY STRUCTURE CASTINGS SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED FINISHED GRADE.
  2. ALL EARTH EMBANKMENTS SHALL HAVE A MAXIMUM SLOPE OF 3 HORIZONTAL TO 1 VERTICAL.
  3. STORM DRAINS SHALL BE CONSTRUCTED SMOOTH FLOW POLYETHYLENE PIPE.
  4. PRECAST CONCRETE DRAINAGE STRUCTURES SHALL CONFORM TO ASTM C913.
  5. PIPE END SECTIONS SHALL BE PREFABRICATED.
  6. STORM DRAIN SERVICE CONNECTIONS SHALL BE CONSTRUCTED OF SERVICE WEIGHT CAST IRON OR PVC SCHD 40 AND FITTINGS.

WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2

NO.	DATE	BY	NO.	DATE	BY

**McLaren**  
 A DIVISION OF KCI  
 KCI  
 M. G. McLaren Engineering and Land Surveying P.C.  
 530 Chestnut Ridge Road  
 Roseland, N.J. 07068  
 T: 201.775.6800 www.kci.com

PROJECT  
**FEDEX GROUND EXPANSION PHASE 2B**  
 9 AL FOXIE WAY  
 HAMLET OF BLAUVELT, TOWN OF ORANGETOWN  
 ROCKLAND COUNTY, NEW YORK  
 PARCEL ID: 65.14-1-11.1



SHEET TITLE  
**GRADING, DRAINAGE & UTILITY PLAN (PHASE 2B)**

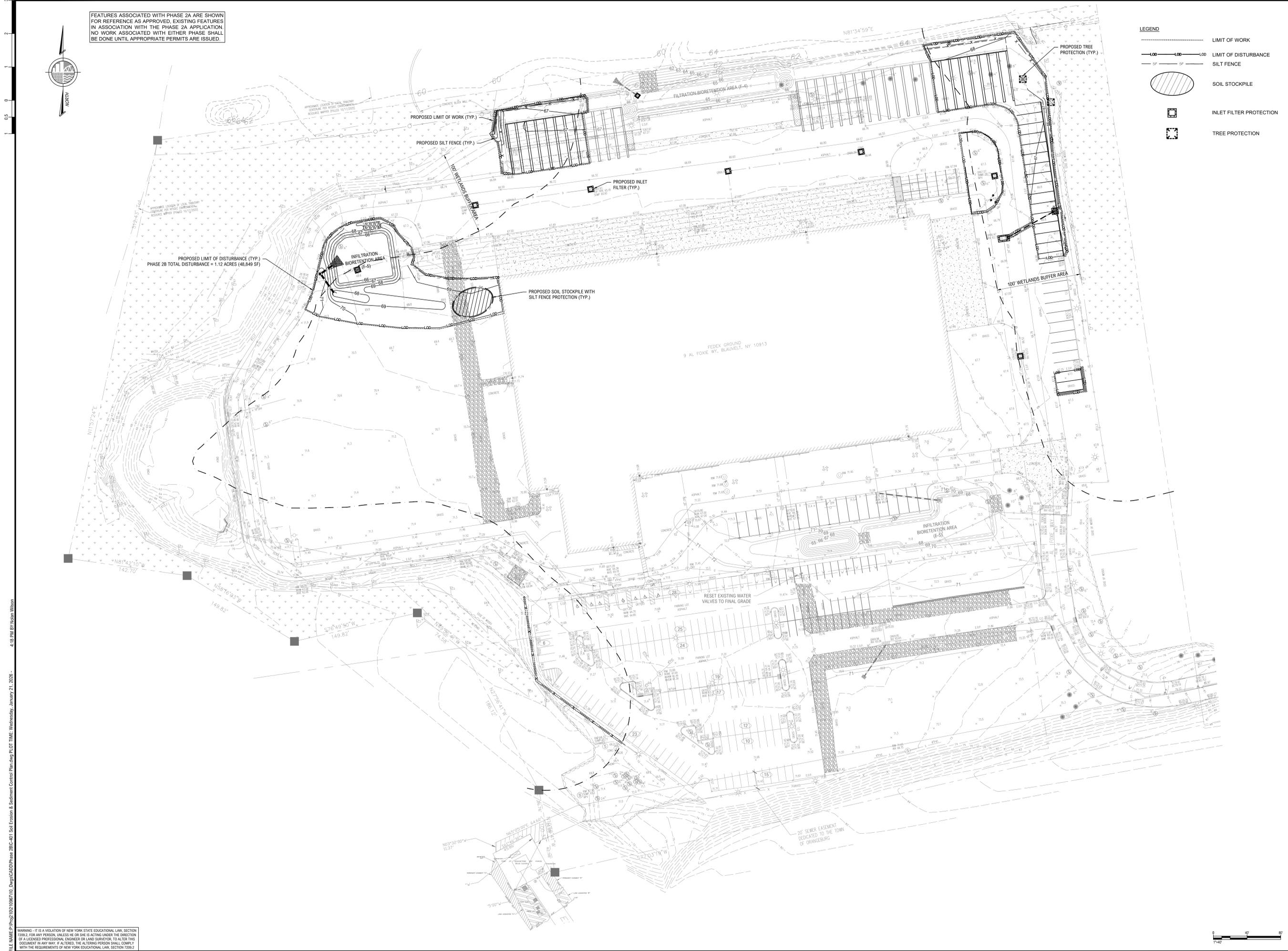
PROJECT NO:	00048859_001
SCALE:	AS SHOWN
DATE:	01/22/2026
DRAWN BY:	NTW/BJV
CHECKED BY:	MJK/JRR
DRAWING NO:	C-201

6 OF 12 SHEETS

FEATURES ASSOCIATED WITH PHASE 2A ARE SHOWN FOR REFERENCE AS APPROVED EXISTING FEATURES IN ASSOCIATION WITH THE PHASE 2A APPLICATION. NO WORK ASSOCIATED WITH EITHER PHASE SHALL BE DONE UNTIL APPROPRIATE PERMITS ARE ISSUED.



LEGEND	
	LIMIT OF WORK
	LIMIT OF DISTURBANCE
	SILT FENCE
	SOIL STOCKPILE
	INLET FILTER PROTECTION
	TREE PROTECTION



FILE NAME: P:\Proj\102\10967\10\_Dwg\CADD\Phase 2B\C-401\_Soil Erosion & Sediment Control Plan.dwg PLOT TIME: Wednesday, January 21, 2026 4:18 PM BY: Nolan Wilson

WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2

<p><b>McLaren</b> A DIVISION OF KCI KCI A DIVISION OF KCI M. G. McLaren Engineering and Land Surveying P.C. 530 Chestnut Ridge Road Roseland, New York 11599 T: 201.775.6800 www.kci.com</p>	<p>PROJECT: FEDEX GROUND EXPANSION PHASE 2B 9 AL FOXIE WAY HAMLET OF BLAUVELT, TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK PARCEL ID: 65.14-1-11.1</p>
<p><b>SOIL EROSION &amp; SEDIMENT CONTROL PLAN (PHASE 2B)</b></p>	
<p>PROJECT NO: 00048859_001 SCALE: AS SHOWN DATE: 01/22/2026 DRAWN BY: NTW/BJV CHECKED BY: MJK/JRR DRAWING NO: <b>C-401</b></p>	

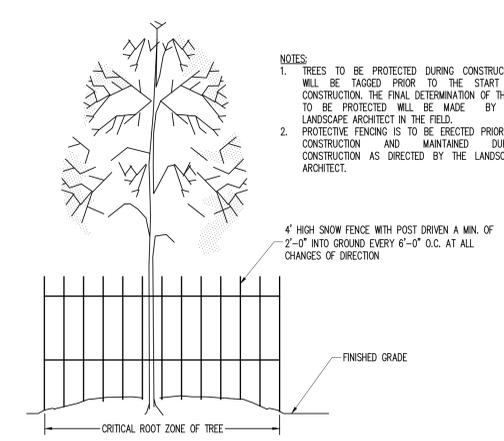


**SOIL EROSION & SEDIMENT CONTROL NOTES:**

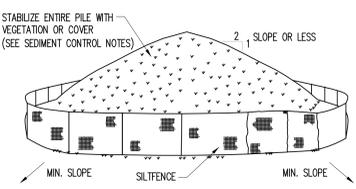
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (NYSDEC, DIVISION OF WATER, NOVEMBER 2016) AND SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY (PERMIT NO. GP-0-25-001).
- CONSTRUCTION SHALL BE SEQUENCED IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE NOTES.
- ANY DISTURBED AREAS THAT ARE LEFT EXPOSED MORE THAN 14 DAYS, AND ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL. THE SEEDING WILL BE DONE IN ACCORDANCE WITH STANDARDS, AS FOLLOWS:
  - FERTILIZER: FERTILIZER SHALL BE APPLIED AT THE RATE OF 14-LBS/1000 S.F. OR 600 LBS/ACRE, USING 5-10-10 OR EQUIVALENT.
  - SEED: ANNUAL RYEGRASS APPLIED AT THE RATE OF 30 LBS./ACRE, OR OTHER SELECT MIXTURE DESCRIBED IN THE STANDARDS.
  - MULCH: SMALL GRAIN STRAW MULCH APPLIED AT A RATE OF 90-LBS/1000 S.F. OR 2 TONS/ACRE, TO BE APPLIED AND ANCHORED ACCORDING TO THE STANDARDS.
- ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN 10 DAYS OF FINAL GRADING, RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH SUITABLE MULCH AS FOLLOWS:
  - FERTILIZER: FERTILIZER APPLIED AT THE RATE OF 20-LBS/1000 S.F. USING 5-10-10 OR EQUIVALENT SELECT MIXTURE DESCRIBED IN THE STANDARDS.
  - SEED MIXTURE: TO BE PLANTED BETWEEN APRIL 1 AND MAY 15, OR BETWEEN AUGUST 15 AND OCTOBER 15.
  - MULCH: SMALL GRAIN STRAW MULCH APPLIED AT A RATE OF 90-LBS/1000 S.F. OR 2 TONS/ACRE, TO BE APPLIED AND ANCHORED ACCORDING TO THE STANDARDS.
- CUT OR FILL SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- EXISTING PAVED ROADWAYS SHALL BE USED FOR CONSTRUCTION ACCESS. PAVED ROADWAYS SHALL BE KEPT CLEAN AT ALL TIMES.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- CONSTRUCTION FENCING SHALL BE USED TO PROTECT EXISTING TREES TO REMAIN, WETLANDS AND OTHER SENSITIVE AREAS.
- IF FOR ANY REASON THE CONSTRUCTION IS HALTED FOR PROTECTED PERIODS, THE CONTRACTOR SHALL STABILIZE THE SELECT MATERIAL BY HYDRO-SEED OR OTHER MEANS, TO THE SATISFACTION OF THE ENGINEER FOR ALL AREAS DENUDE OF VEGETATION.
- STORMWATER FROM DISTURBED AREAS MUST BE PASSED THROUGH A HAYBALE BARRIER OR OTHER CONTROL DEVICE BEFORE BEING DISCHARGED BEYOND DISTURBED AREAS OR DISCHARGED INTO INLETS OR OTHER DRAINAGE SYSTEMS.
- DUST CONTROL - WATER SHALL BE APPLIED BY SPRINKLER OR WATER TRUCK DURING GRADING OPERATIONS TO MINIMIZE SEDIMENT TRANSPORT AND MAINTAIN ACCEPTABLE AIR QUALITY CONDITIONS. REPETITIVE TREATMENTS SHALL BE DONE AS NEEDED UNTIL GRADES ARE STABILIZED.
- THE CONTRACTOR SHALL INSPECT THE EFFECTIVENESS AND CONDITION OF EROSION CONTROL DEVICES DURING STORM EVENTS, AFTER EACH RAINFALL OF ONE-HALF (1/2) INCH MAGNITUDE OR GREATER, PRIOR TO WEEKENDS AND PRIOR TO FORECASTED STORM.
- THE CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED EROSION CONTROL DEVICES IMMEDIATELY, AND IN NO CASE, MORE THAN TWENTY FOUR (24) HOURS AFTER OBSERVING SUCH DEFICIENCIES.
- THE CONTRACTOR SHALL BE PREPARED TO IMPLEMENT INTERIM DRAINAGE CONTROLS AND EROSION CONTROL MEASURES AS MAY BE NECESSARY DURING THE COURSE OF CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE AVAILABLE ONSITE ALL EQUIPMENT, MATERIALS AND LABOR NECESSARY TO EFFECT EMERGENCY EROSION CONTROL AND DRAINAGE IMPROVEMENTS WITHIN TWENTY FOUR (24) HOURS OF ANY IMPENDING EMERGENCY SITUATION.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OF PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
- THE SOIL EROSION INSPECTOR OR THE NYSDEC OR THE SITE ENGINEER MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE THE POTENTIAL FOR ONSITE OR OFFSITE EROSION PROBLEMS THAT MAY OCCUR DURING CONSTRUCTION.
- ALL STOCKPILE AREAS TO REMAIN MORE THAN 14 DAYS SHALL BE STABILIZED PER NOTE THREE ABOVE. JUTE MATTING OR SPRAY EMISSIONS ARE ACCEPTABLE SUBJECT TO APPROVAL OF THE ENGINEER.

**CONSTRUCTION SEQUENCE:**

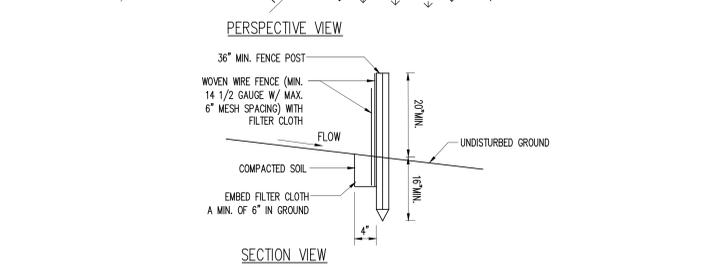
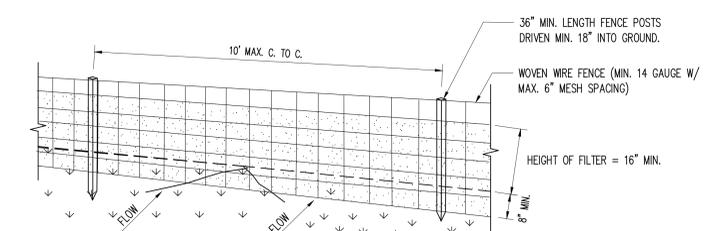
- INSTALL SEDIMENT BARRIERS ADJACENT TO ALL AREAS TO BE DISTURBED. INSTALL STABILIZED CONSTRUCTION ENTRANCE. CONTRACTOR SHALL MAINTAIN A GRAVEL ACCESS ROAD OR PROVIDE FINAL ROAD WITH ASPHALT BASE COURSE STABILIZE ALL SLOPE AREAS IMMEDIATELY UPON COMPLETION. IMPLEMENT DUST CONTROL MEASURES AS REQUIRED.
- COMPLETE PARKING LOT AND VAN AND TRAILER SPACES ROUGH GRADING AND BEGIN STORMWATER INSTALLATION. MAINTAIN TEMPORARY MEASURES AND SEDIMENT TRAPS UNTIL STORM INLET SEDIMENT TRAPS ARE ESTABLISHED AND OPERATIONAL. INSTALL INLET AND OUTLET PROTECTION AT DRAINS. ESTABLISH TEMPORARY VEGETATIVE COVER ON DISTURBED AREAS AS REQUIRED AND PERMANENT VEGETATIVE COVER IN AREAS OF NO FURTHER DISTURBANCE. IMPLEMENT DUST CONTROL MEASURES AS REQUIRED.
- ESTABLISH PERMANENT VEGETATIVE COVER IN AREAS OF NO FURTHER DISTURBANCE. IMPLEMENT DUST CONTROL MEASURES AS REQUIRED.
- REMOVE SEDIMENT BARRIERS AFTER ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.



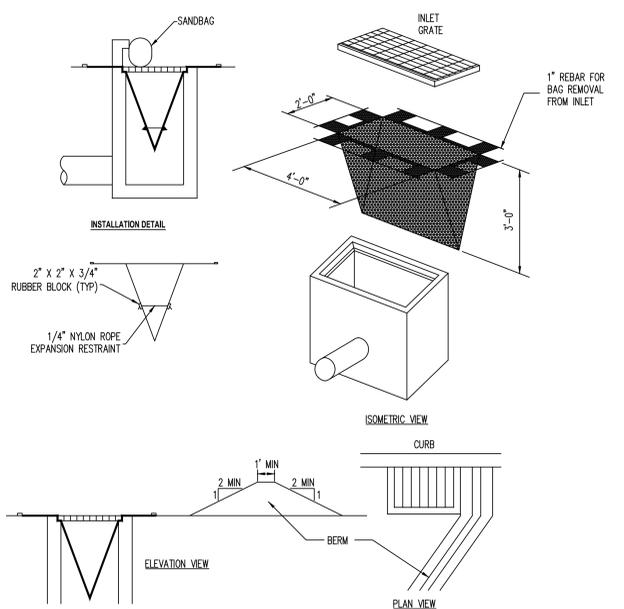
**A**  
C-402  
**TREE PROTECTION FENCING**  
N.T.S.



**D**  
C-402  
**SOIL STOCKPILE**  
N.T.S.



**B**  
C-402  
**SILT FENCING**  
N.T.S.



**C**  
C-402  
**INLET FILTER**  
N.T.S.

**CONSTRUCTION SPECIFICATIONS:**

- NO CONSTRUCTION ACTIVITY IS PERMITTED WITHIN THE PROTECTIVE FENCINGS.
- AS CONSTRUCTION NEARS COMPLETION THE FENCING WILL BE REMOVED AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- AT THE COMPLETION OF CONSTRUCTION ALL TREES WILL BE PRUNED AS NECESSARY TO CORRECT ANY DAMAGES RESULTING FROM CONSTRUCTION ACTIVITY.

**CONSTRUCTION SPECIFICATIONS:**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED FILTER CLOTH SHALL BE EITHER MIRAFI 100X, STABILUNKA 1140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOPAR, ENVROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND REPLACED.

**NOTES:**

- MAXIMUM DRAINAGE AREA = 1/2 ACRE.
- INLET PROTECTION IS NOT REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS REQUIRED FOR ALL INSTALLATIONS.
- EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED.
- SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.
- DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

FILE NAME: P:\Proj\102\10267\10267.dwg; Date: 01/22/2026 4:48 PM BY: William Wilson

WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2

PROJECT NO.	00048859_001
SCALE	AS SHOWN
DATE	01/22/2026
DRAWN BY	NTW/BJV
CHECKED BY	MJK/JRR
DRAWING NO.	C-402
8 OF 12 SHEETS	

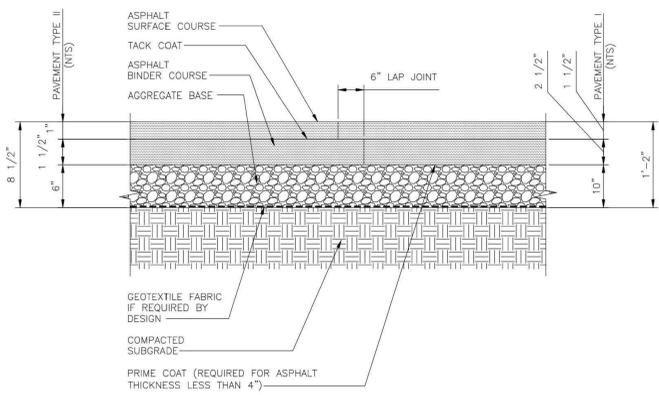
**McLaren**  
A DIVISION OF KCI  
M. G. McLaren Engineering and Land Surveying P.C.  
550 Chestnut Ridge Road  
Roseland, N.J. 07068  
T: 201.776.6800  
www.mclaren.com

**FEDEX GROUND EXPANSION PHASE 2B**  
9 AL FOXIE WAY  
HAMLET OF BLAUVELT, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, NEW YORK  
PARCEL ID: 65.14.14-11.11

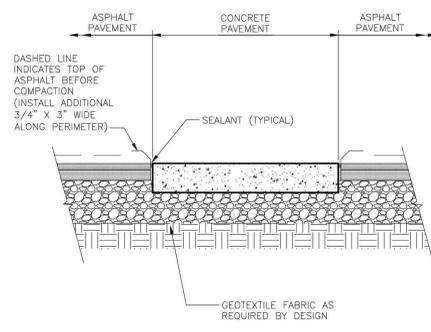
**SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS**

**C-402**

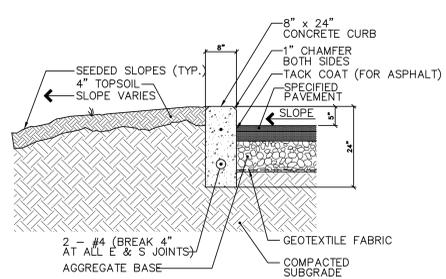
COPYRIGHT © 2024, M. G. McLaren Engineering and Land Surveying P.C.



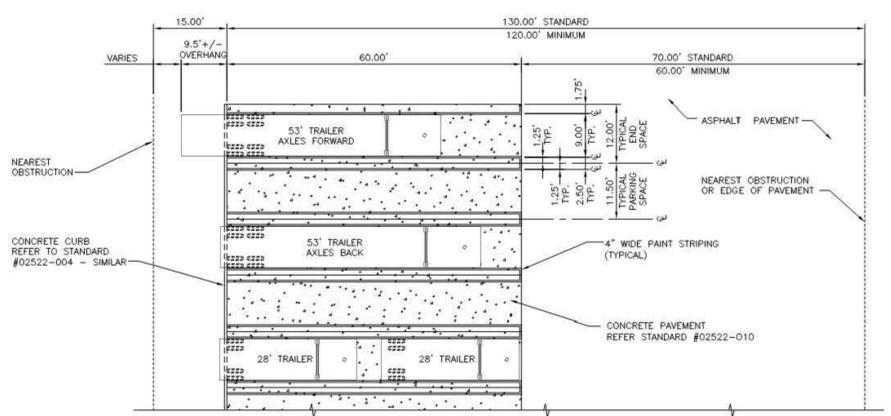
**A** ASPHALT PAVEMENT (TYPE I & II)  
C-501 N.T.S.



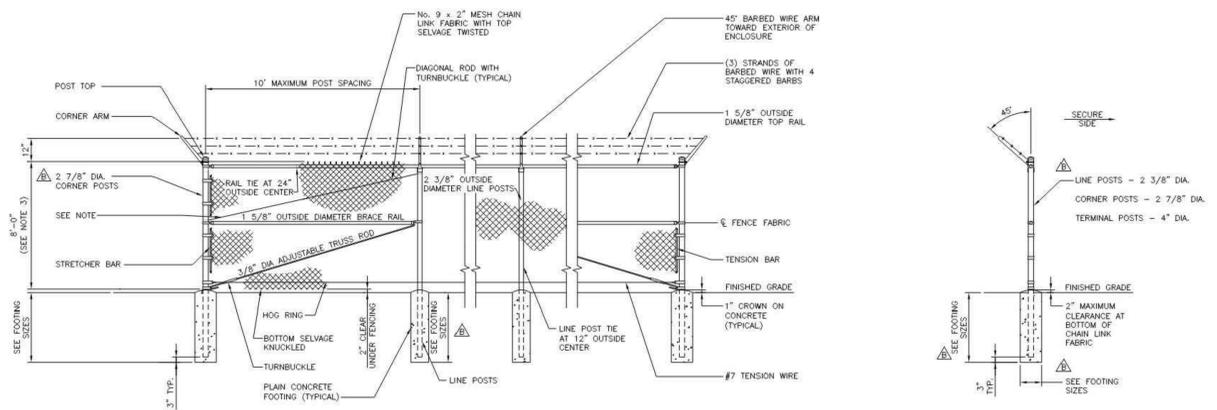
**B** ASPHALT AT CONCRETE SECTION  
C-501 N.T.S.



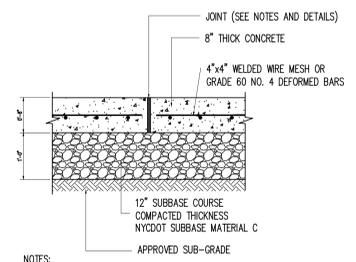
**C** STRAIGHT CURB AT TRAILER, TRACTOR, VAN, & DOLLY PARKING  
C-501 N.T.S.



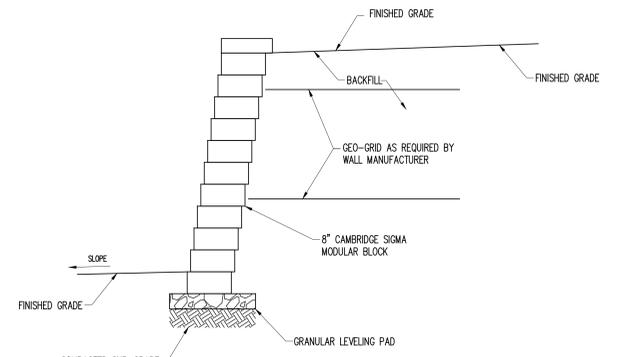
**D** BACK IN TRAILER PARKING & STRIPING  
C-501 N.T.S.



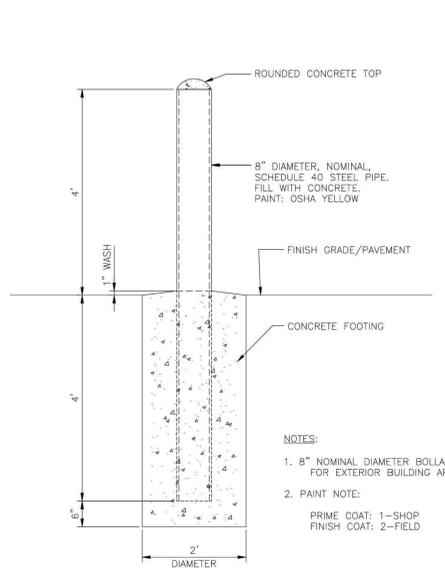
**E** CHAIN LINK FENCE  
C-501 N.T.S.



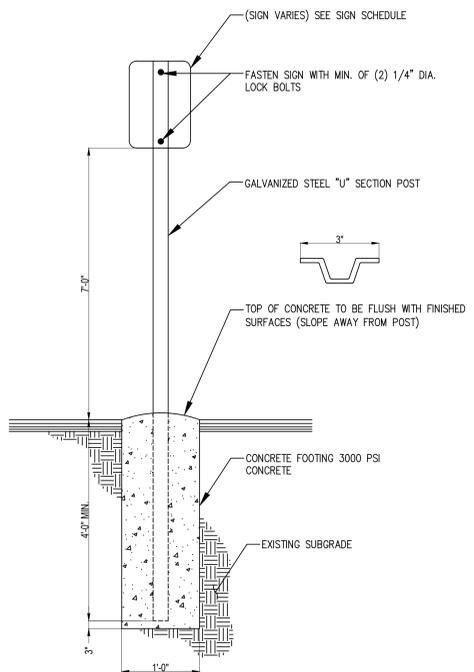
**F** CONCRETE PAVEMENT  
C-501 N.T.S.



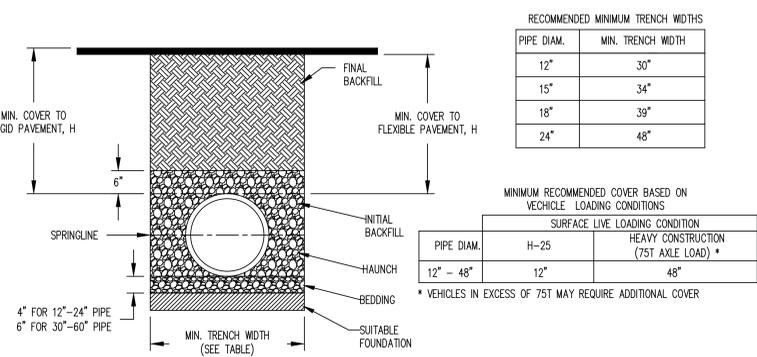
**G** MODULAR BLOCK RETAINING WALL  
C-501 N.T.S.



**H** BOLLARD DETAIL (8\"/>

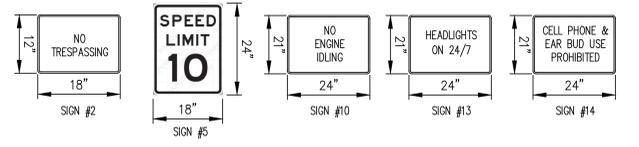


**I** SINGLE POST SIGN MOUNTING DETAIL  
C-501 N.T.S.



- NOTES:
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
  - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
  - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
  - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE.

**J** TRENCH BACKFILL FOR HDPE PIPING  
C-501 N.T.S.



- NOTES FOR SIGNS:
- ALL SIGNS SHALL CONFORM TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT), FEDERAL HIGHWAY ADMINISTRATION (FHWA), AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.
  - APPROVED MANUFACTURERS ARE THE FOLLOWING:
    - IBIS SIGNS
    - TRAFFIC & PARKING CONTROL CO. (TAPCO), INC.
  - ALL SIGNS SHALL BE HIGH INTENSITY PRISMATIC GRADE (HIP\_Grade).

**K** SIGN DETAILS  
C-501 N.T.S.

FILE NAME: P:\Proj\102\0980\10\_Dwg\CADD\Phase 2B\C-501\_Details.dwg PLOT TIME: Wednesday, January 21, 2026 - 4:49 PM BY: Nolan Wilson

WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2

**McLaren**  
A DIVISION OF KCI  
M. G. McLaren Engineering and Land Surveying P.C.  
530 Chestnut Ridge Road  
Roseland, N.J. 07068  
T: 201.776.6000  
www.mclaren.com

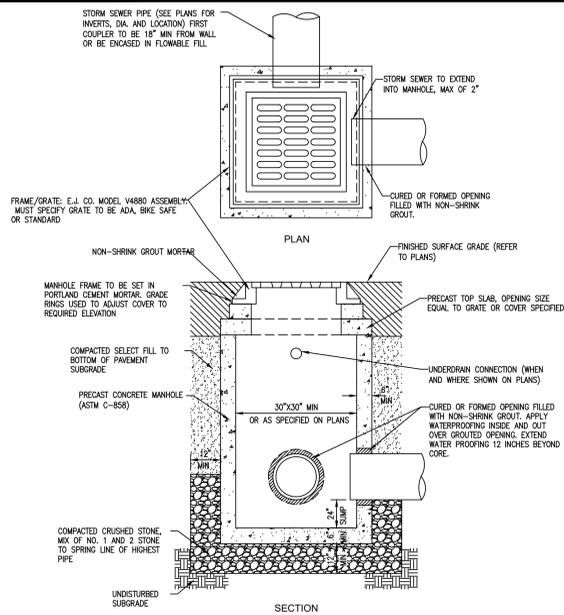
PROJECT: FEDEX GROUND EXPANSION PHASE 2B  
9 AL FOXIE WAY  
HAMLET OF BLAUVELT, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, NEW YORK  
PARCEL ID: 65.14-1-11.1

STATE OF NEW YORK  
Professional Engineer  
No. 094470  
Professional Seal

SHEET TITLE: DETAILS (1 OF 4)

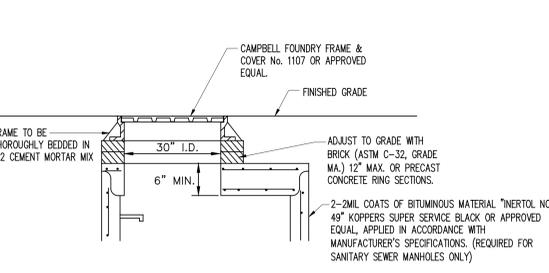
PROJECT NO: 00048859\_001  
SCALE: AS SHOWN  
DATE: 01/22/2026  
DRAWN BY: NTW/BJV  
CHECKED BY: MJK/JRR  
DRAWING NO: C-501  
9 OF 12 SHEETS

COPYRIGHT © 2024, M. G. McLaren Engineering and Land Surveying P.C.

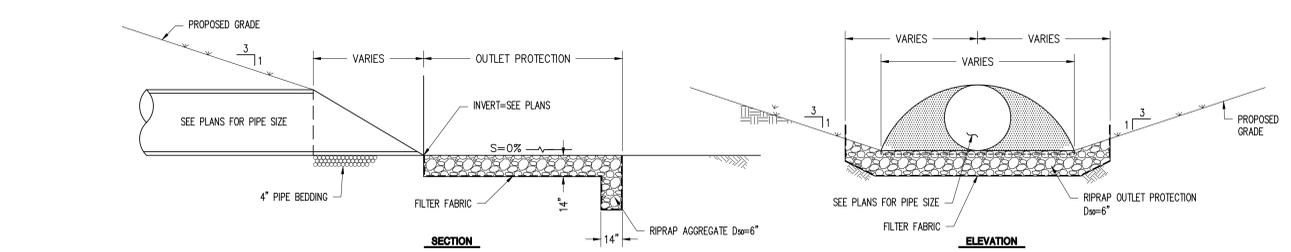


**NOTES:**

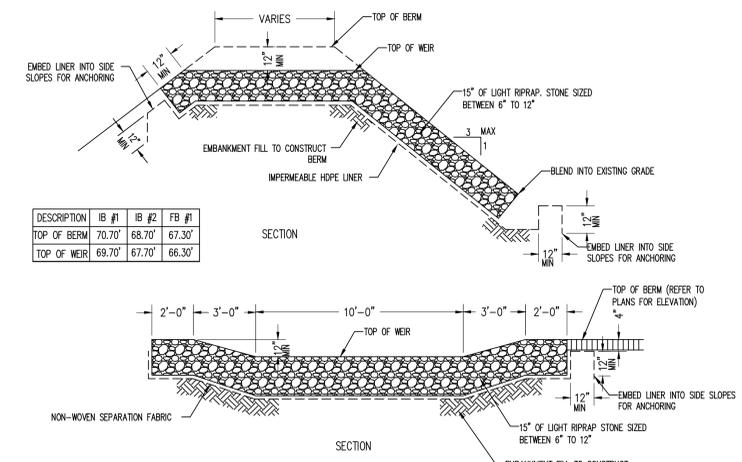
1. ALL PRECAST CONSTRUCTION IN ACCORDANCE W/ASTM C478.
2. CATCH BASIN SHALL BE PRECAST CONCRETE DESIGNED FOR H-20 VEHICULAR LOADING.
3. FRAME AND GRATE SHALL BE DESIGNED FOR H-20 VEHICULAR LOADING.
4. CONCRETE CATCH BASIN LID CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
5. STRUCTURES HAVING A DEPTH GREATER THAN 48\"/>



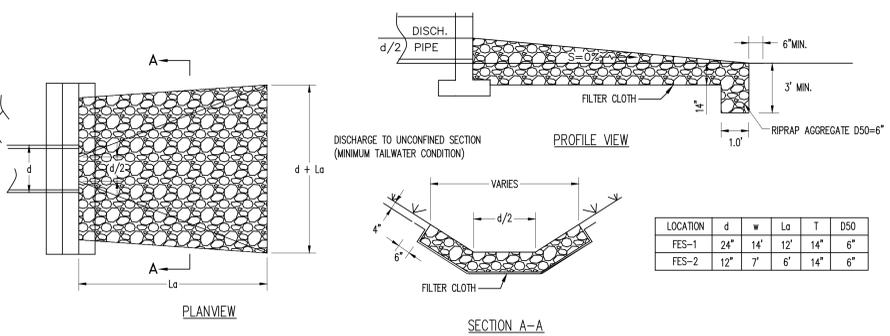
**E** C-502 **STRUCTURE GRATE RESET TO GRADE** N.T.S.



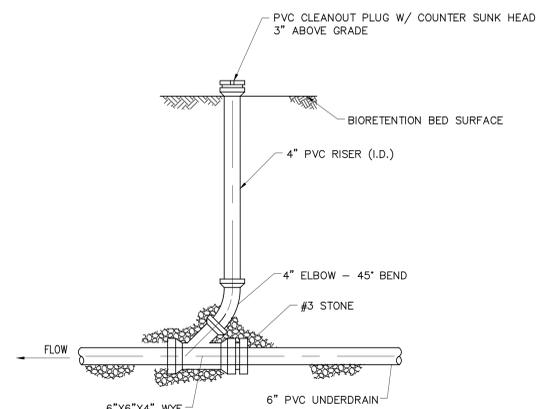
**G** C-502 **FLARED END SECTION (FES) WITH RIPRAP** N.T.S.



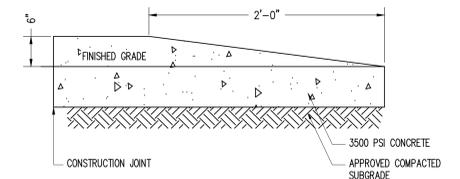
**B** C-503 **EMERGENCY OVERFLOW SPILLWAY** N.T.S.



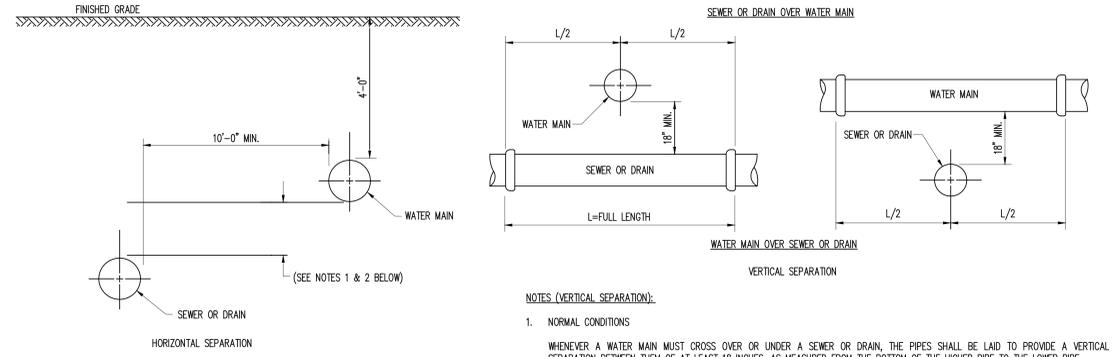
**F** C-502 **RIP-RAP PROTECTION OUTLET** N.T.S.



**C** C-502 **CLEANOUT DETAIL** N.T.S.



**D** C-502 **TRANSITION CURB** N.T.S.



**NOTES (VERTICAL SEPARATION):**

1. NORMAL CONDITIONS  
WHENEVER A WATER MAIN MUST CROSS OVER OR UNDER A SEWER OR DRAIN, THE PIPES SHALL BE LAID TO PROVIDE A VERTICAL SEPARATION BETWEEN THEM OF AT LEAST 18 INCHES, AS MEASURED FROM THE BOTTOM OF THE HIGHER PIPE TO THE LOWER PIPE.
2. UNUSUAL CONDITION  
WHEN CONDITIONS PREVENT A VERTICAL SEPARATION OF 18 INCHES, THE SEWER SHALL BE CONSTRUCTED OF MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.
3. WATER MAIN CROSSING UNDER SEWERS  
A. VERTICAL SEPARATION OF 18 INCHES MUST BE PROVIDED.  
B. ADEQUATE STRUCTURAL SUPPORT MUST BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING.  
C. FULL LENGTH OF WATER PIPE MUST BE CENTERED AT THE POINT OF CROSSING; NO JOINTS WILL BE PERMITTED AT THE POINT OF CROSSING.  
D. SEWERS MUST BE CONSTRUCTED OF MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS AND PRESSURE TESTED.

**NOTES (HORIZONTAL SEPARATION):**

WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER OR DRAIN LINES. SHOULD LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET, A WATER MAIN MAY BE LAID CLOSER THAN 10 FEET TO A SEWER IF (1) IT IS LAID IN A SEPARATE TRENCH, OR IF (2) IT IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH AND IF IN EITHER CASE THE ELEVATION OF THE CROWN OF THE SEWER OR DRAIN IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN.

WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL SEPARATION, AS STIPULATED ABOVE, THE SEWER OR DRAIN SHALL BE CONSTRUCTED OF MATERIALS AND WITH JOINTS EQUIVALENT TO THE STANDARDS FOR THE WATER MAIN AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

**H** C-502 **UTILITY SEPARATION DETAIL** N.T.S.

PROJECT NO.	00048859_001
SCALE	AS SHOWN
DATE	01/22/2026
DRAWN BY	NTW/BJV
CHECKED BY	MJK/JRR
DRAWING NO.	C-502
<p>10 OF 12 SHEETS</p>	

**McLaren**  
A DIVISION OF KCI  
M. G. McLaren Engineering and Land Surveying P.C.  
550 Chestnut Ridge Road  
Rockland County, New York  
T: 201.776.6800 www.mclaren.com

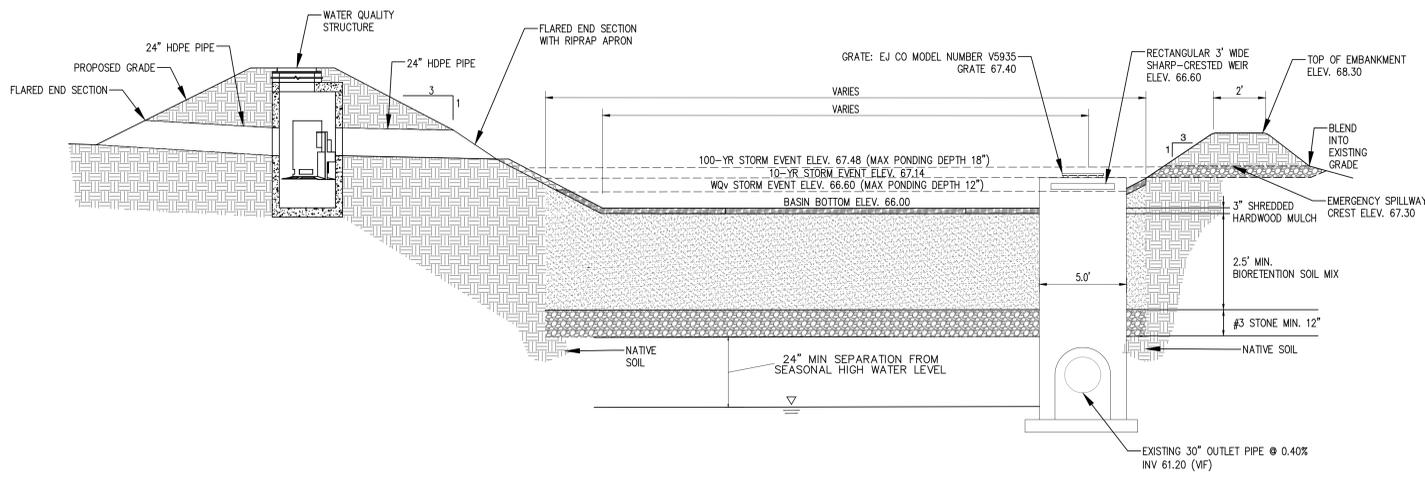
**FEDEX GROUND EXPANSION PHASE 2B**  
9 AL FOXIE WAY  
HAMLET OF BLAUVELT, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, NEW YORK  
PARCEL ID: 65.14.14-11.1

**STATE OF NEW YORK**  
Professional Engineer Seal  
M. G. McLaren  
094470  
Professional Engineer

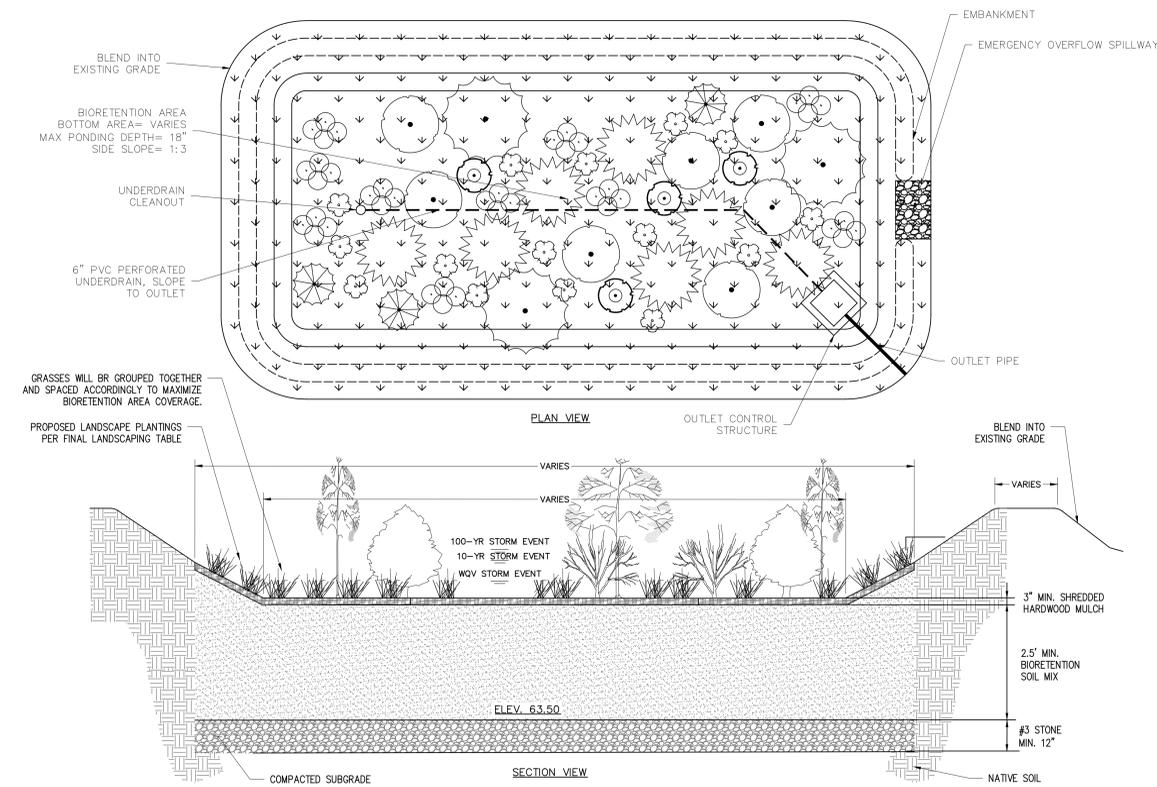
**DETAILS (2 OF 4)**

FILE NAME: P:\proj\1021086010\_Dwg\CADD\Phase 2B\C-501\_Details.dwg PLOT TIME: Wednesday, January 21, 2026 - 4:48 PM BY: Nelson Wilson

WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2



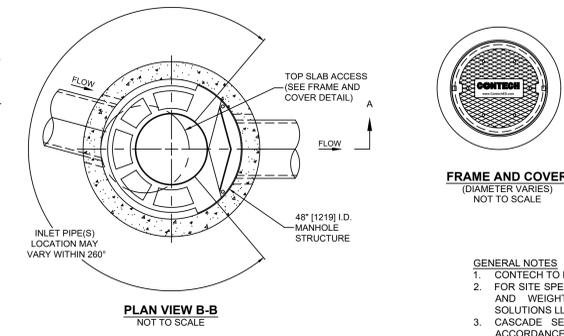
**INFILTRATION BIORETENTION AREA #2**  
N.T.S.



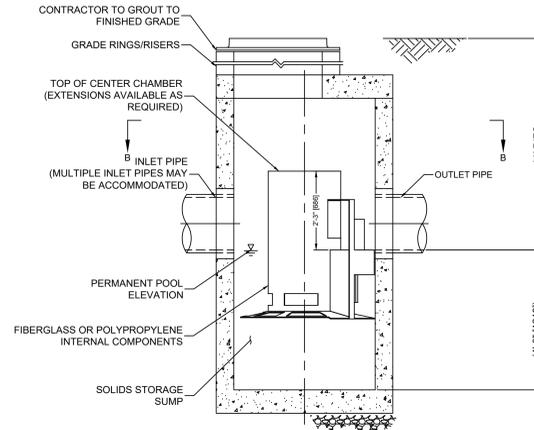
**INFILTRATION BIORETENTION AREA #2 PLANTING**  
N.T.S.

FINAL PROPOSED LANDSCAPING TABLE					
QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	PLANTING SIZE	PLANTING ZONE
X	BAYBERRY	MYRICA PENNSYLVANICA	4'-8'	#1 CONTAINER	5'-10'
X	SPECKLED ALDER	ALNUS RUGOSA	10'-20'	#3 CONTAINER	12'
X	ARROWWOOD VIBURNUM	VIBURNUM DENTATUM	6'-10'	#1 CONTAINER	8'-10'
X	BLUE FLAG IRIS	IRIS VERSICOLOR	2'-3'	#1 CONTAINER	2'
X	BROOMSEDGE	ANDROPOGON VIRGINICUS	2'-4'	2\"/>	

NOTES:  
1. BIORETENTION AREA PLANTING SCHEDULE IN PROGRESS.



**PLAN VIEW B-B**  
NOT TO SCALE



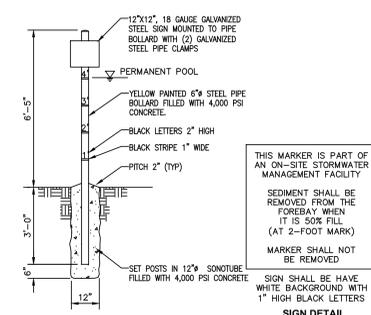
**ELEVATION A-A**  
NOT TO SCALE

**CONTECH CASCADE SEPARATOR 4 (CS-4)**  
N.T.S.

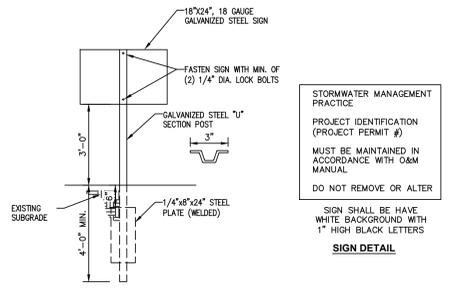
SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID	WATER QUALITY FLOW RATE (gpi)		0.34
	PEAK FLOW RATE (gpi)		9.46
	RETURN PERIOD OF PEAK FLOW (YRS)		100
	RIM ELEVATION		71.92
PIPE DATA	INVERT	MATERIAL	DIAMETER
INLET PIPE 1	67.67	HDPE	24"
OUTLET PIPE	67.67	HDPE	24"
NOTES / SPECIAL REQUIREMENTS:			

**FRAME AND COVER**  
(DIAMETER VARIES)  
NOT TO SCALE

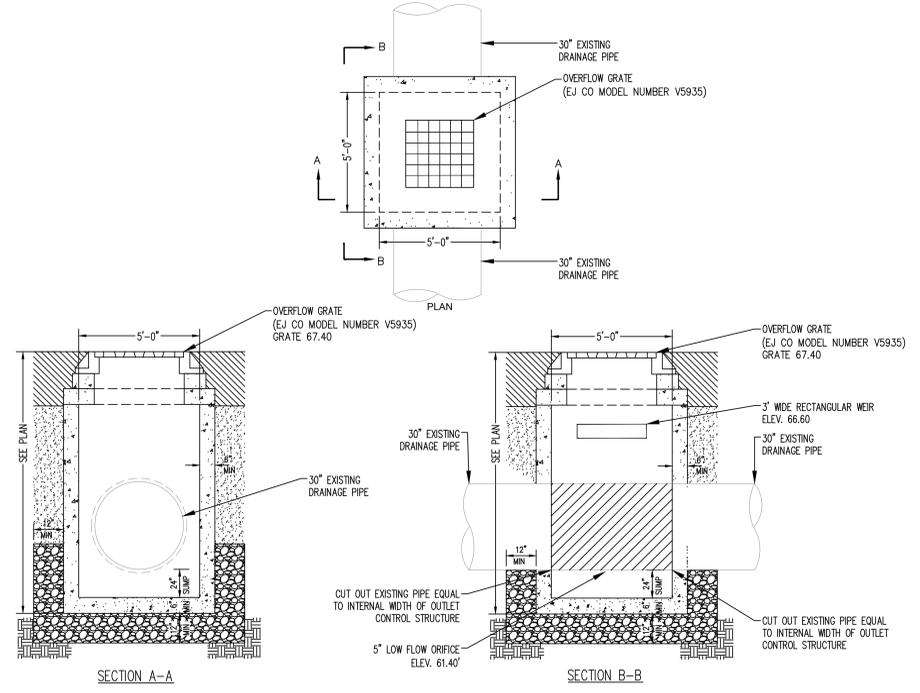
- GENERAL NOTES**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE: [www.conteches.com](http://www.conteches.com)
  - CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
  - CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 2' AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
  - CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
  - ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm].
- INSTALLATION NOTES**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
  - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CASCADE SEPARATOR MANHOLE STRUCTURE.
  - CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
  - CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



**SEDIMENT MARKER**  
N.T.S.



**STORMWATER BASIN SIGN**  
N.T.S.



**OUTLET CONTROL STRUCTURE FOR INFILTRATION BIORETENTION AREA #2**  
N.T.S.

**McLaren**  
A DIVISION OF KCI  
M. G. McLaren Engineering and Land Surveying P.C.  
530 Chestnut Ridge Road  
Rockland County, New York  
T: 201.776.6800  
www.mclaren.com

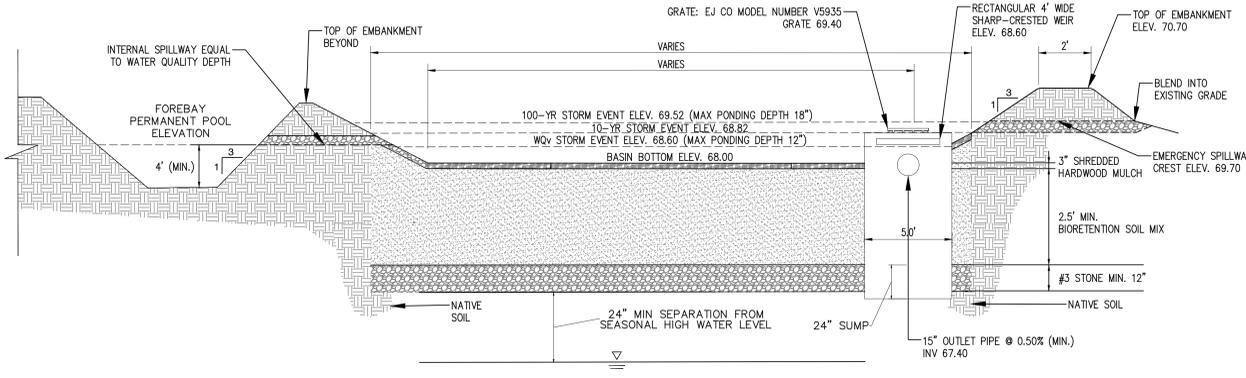
**FEDEX GROUND EXPANSION PHASE 2B**  
9 AL FOXIE WAY  
HAMLET OF BLAUVELT, TOWN OF ORANGETOWN  
ROCKLAND COUNTY, NEW YORK  
PARCEL ID: 65.14.14-11.1

**STATE OF NEW YORK**  
Professional Engineer Seal  
No. 094470  
Professional Engineer

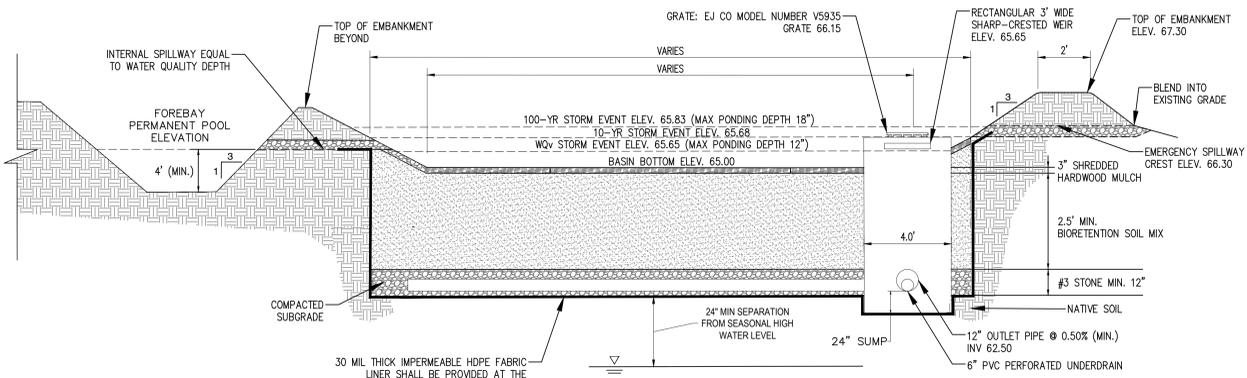
**DETAILS (3 OF 4)**

PROJECT NO: 00048859\_001  
SCALE: AS SHOWN  
DATE: 01/22/2026  
DRAWN BY: NTW/BJV  
CHECKED BY: MJK/JRR  
DRAWING NO: **C-503**  
11 OF 12 SHEETS

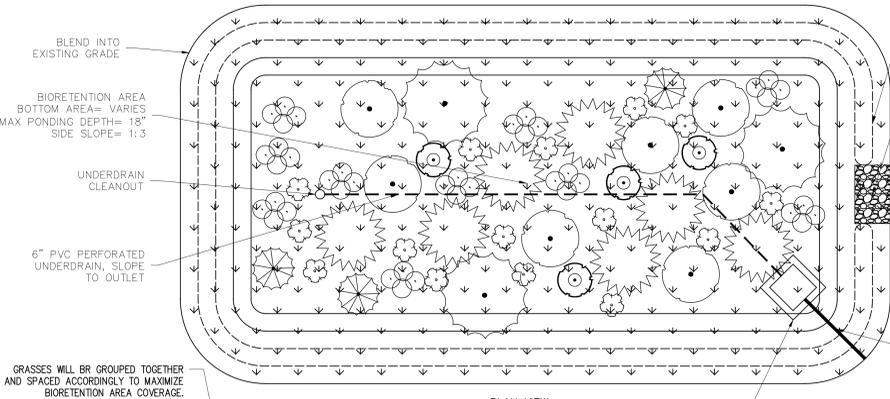
COPYRIGHT © 2024, M. G. McLaren Engineering and Land Surveying P.C.



**INFILTRATION BIORETENTION AREA #1**  
N.T.S.



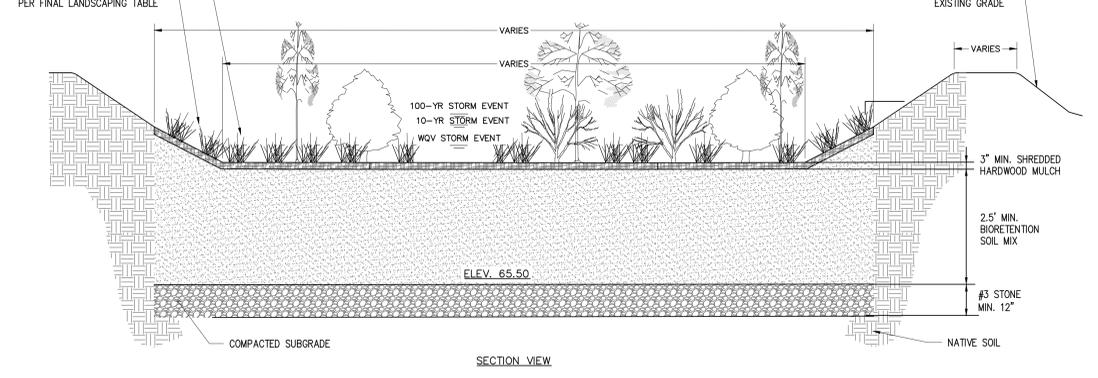
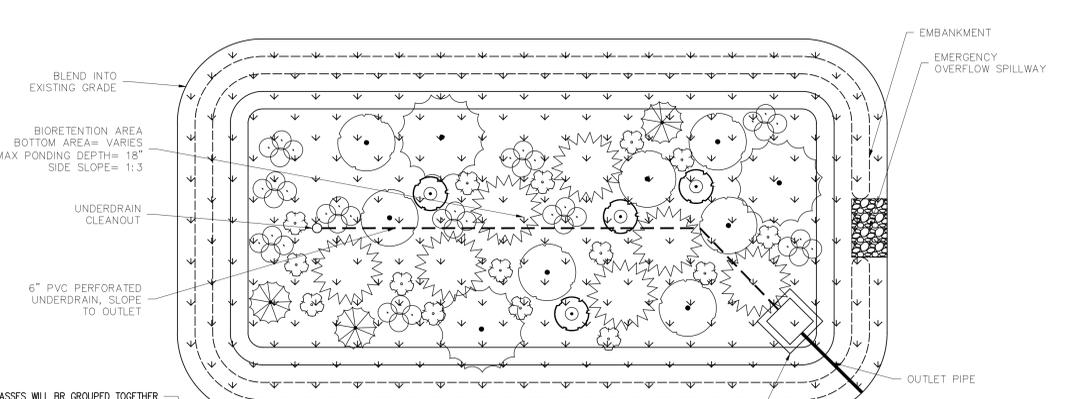
**FILTRATION BIORETENTION AREA #1**  
N.T.S.



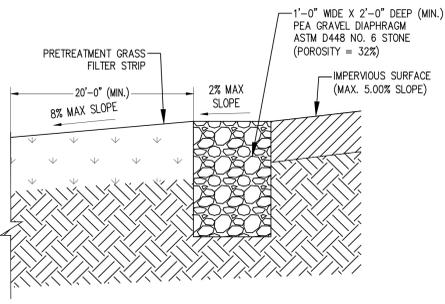
FINAL PROPOSED LANDSCAPING TABLE						
QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	PLANTING SIZE	SPACING	PLANTING ZONE
X	BAYBERRY	MYRICA PENNSYLVANICA	4' - 8'	#1 CONTAINER	5'-10"	4,5,6
X	SPECKLED ALDER	ALNUS RUGOSA	15'-20'	#3 CONTAINER	12'	3,4
X	ARROWWOOD VIBURNUM	VIBURNUM DENTATUM	6' - 10'	#1 CONTAINER	8'-10"	3,4
X	BLUE FLAG IRIS	IRIS VERSICOLOR	2' - 3'	#1 CONTAINER	2'	2,3
X	BROOMSEDGE	ANDROPOGON VIRGINICUS	2' - 4'	2" PLUG	2'-3"	2,3
X	FOX SEDGE	CAREX VULPINOIDEA	2' - 3'	2" PLUG	6"-12"	2,3
X	SWITCHGRASS	PANICUM VIRGATUM	2'-5'	2" PLUG	12"	2,3,4,5,6
#	TOTAL NEW PLANTINGS					

NOTES:  
1. BIORETENTION AREA PLANTING SCHEDULE IN PROGRESS.

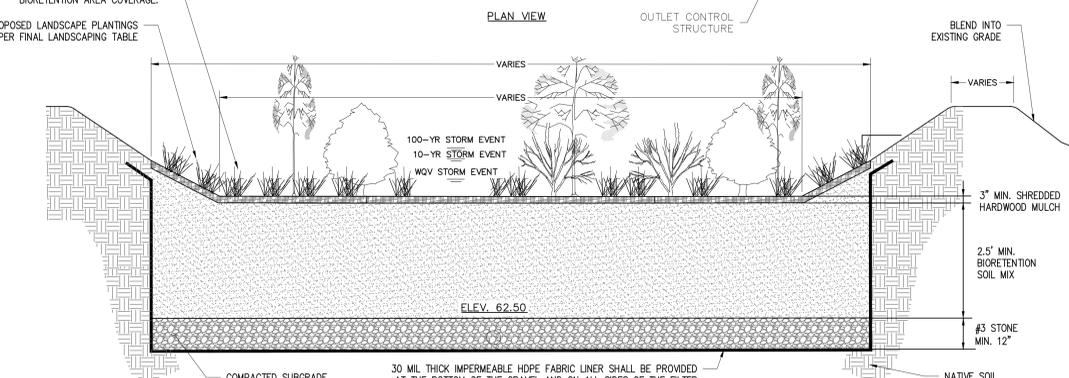
ALL DETAILS SHOWN ON THIS SHEET ARE ASSOCIATED WITH PHASE 2A ONLY AND IS SHOWN FOR SWPPP REVIEW PURPOSES.



**INFILTRATION BIORETENTION AREA #1 PLANTING**  
N.T.S.



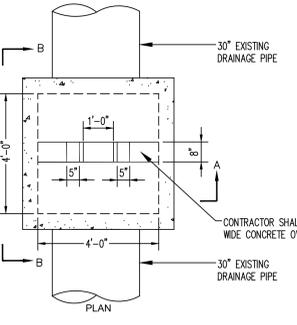
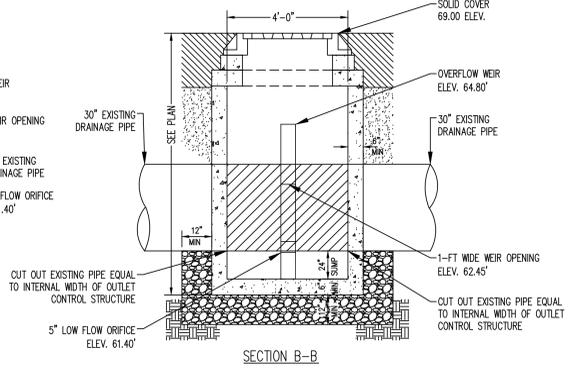
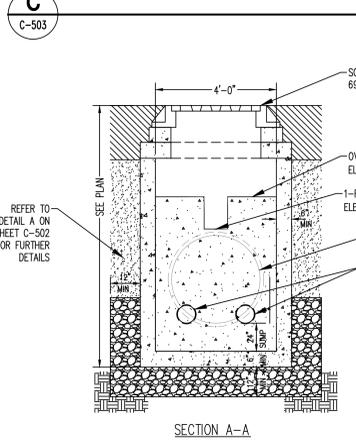
**PEA GRAVEL DIAPHRAGM & GRASS FILTER STRIP**  
N.T.S.



**FILTRATION BIORETENTION AREA #1 PLANTING**  
N.T.S.

FINAL PROPOSED LANDSCAPING TABLE						
QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	PLANTING SIZE	SPACING	PLANTING ZONE
X	BAYBERRY	MYRICA PENNSYLVANICA	4' - 8'	#1 CONTAINER	5'-10"	4,5,6
X	SPECKLED ALDER	ALNUS RUGOSA	15'-20'	#3 CONTAINER	12'	3,4
X	ARROWWOOD VIBURNUM	VIBURNUM DENTATUM	6' - 10'	#1 CONTAINER	8'-10"	3,4
X	BLUE FLAG IRIS	IRIS VERSICOLOR	2' - 3'	#1 CONTAINER	2'	2,3
X	BROOMSEDGE	ANDROPOGON VIRGINICUS	2' - 4'	2" PLUG	2'-3"	2,3
X	FOX SEDGE	CAREX VULPINOIDEA	2' - 3'	2" PLUG	6"-12"	2,3
X	SWITCHGRASS	PANICUM VIRGATUM	2'-5'	2" PLUG	12"	2,3,4,5,6
#	TOTAL NEW PLANTINGS					

NOTES:  
1. BIORETENTION AREA PLANTING SCHEDULE IN PROGRESS.



**OUTLET CONTROL STRUCTURE FOR EXISTING UNDERGROUND DETENTION**  
N.T.S.

**SECTION A-A**

**SECTION B-B**

**PLAN**

**C-504**

**F C-503**

FILE NAME: P:\Proj\1021036\10\_Dwg\CADD\Phase 2B\C-501\_Details.dwg PLOT TIME: Wednesday, January 21, 2026 - 4:48 PM BY: William Wilson

WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2

PROJECT NO.	00048859_001
SCALE	AS SHOWN
DATE	01/22/2026
DRAWN BY	NTW/BJV
CHECKED BY	MJK/JRR
DRAWING NO.	C-504
SHEET TITLE	
DETAILS (4 OF 4)	
PROJECT: FEDEX GROUND EXPANSION PHASE 2B 9 AL FOXIE WAY HAMLET OF BLAUVELT, TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK PARCEL ID: 65.14-1-11.1	
 <b>McLaren</b> A DIVISION OF KCI M. G. McLaren Engineering and Land Surveying P.C. 530 Chestnut Ridge Road Newburgh, New York 12550 T: 202.776.6000 www.mclaren.com	
COPYRIGHT © 2024, M. G. McLaren Engineering and Land Surveying P.C.	