

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)

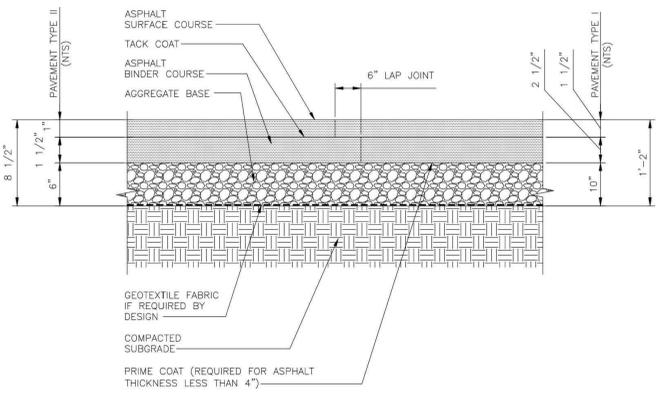
PARKING CHART				
TYPE	EXISTING	PROPOSED	TOTAL	PREVIOUSLY APPROVED
AUTO PARKING	179	36	215	398
TRAILER/TRACTOR PARKING	49	14	63	66
LOADING BERTHS	47	NO CHANGE	47	61
VAN STAGING SPACES	24	42	66	33
DOLLY PARKING SPACES	9	NO CHANGE	9	21

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.

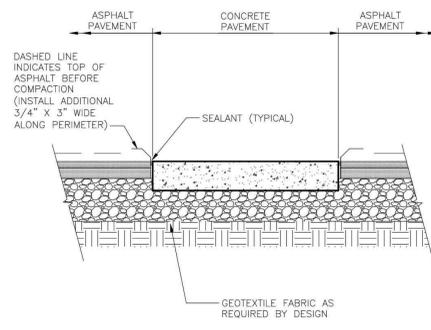
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PROJECT NO.	00048859_001
SCALE	AS SHOWN
DATE	11/19/2025
DRAWN BY	NTW/BJV
CHECKED BY	MJK/JRR
DRAWING NO.	C-102
SHEET TITLE	
SITE COMPARISON PLAN	
PROJECT	
FEDEX GROUND EXPANSION 9 AL FOXIE WAY HAMLET OF BLAUVELT, TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK PARCEL ID: 65.14-1-11.1	
A DIVISION OF KCI M. G. McLaren Engineering and Land Surveying P.C. 530 Chestnut Ridge Road New York, NY 10912 T: 201.775.6000 www.kci.com	

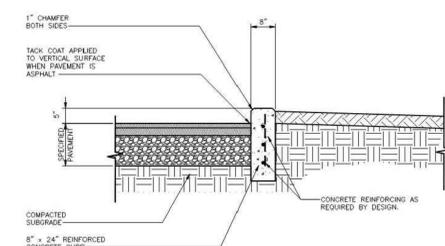




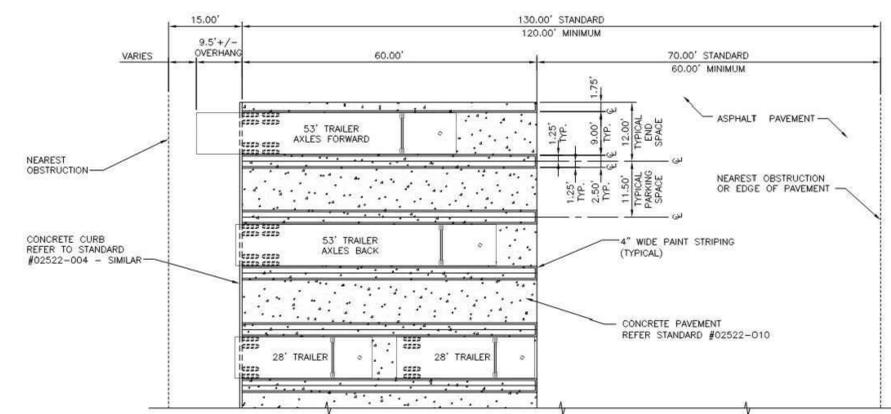
A ASPHALT PAVEMENT (TYPE I & II)
C-501 N.T.S.



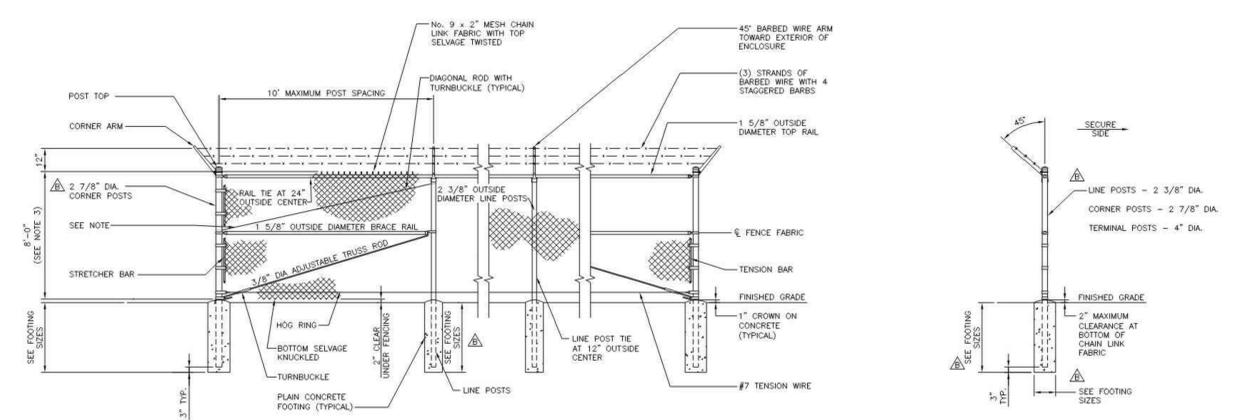
B ASPHALT AT CONCRETE SECTION
C-501 N.T.S.



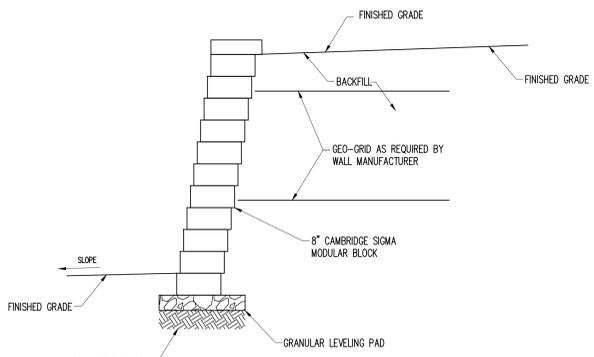
C STRAIGHT CURB AT TRAILER, TRACTOR, VAN, & DOLLY PARKING
C-501 N.T.S.



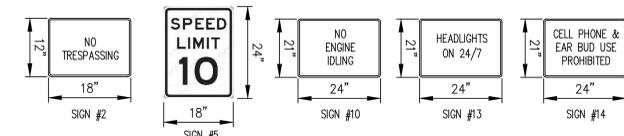
D BACK IN TRAILER PARKING & STRIPING
C-501 N.T.S.



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

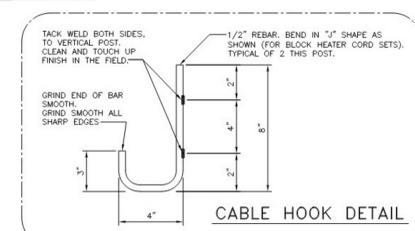


F MODULAR BLOCK RETAINING WALL
C-501 N.T.S.

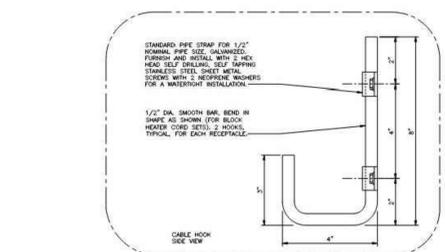


- NOTES FOR SIGNS:**
- ALL SIGNS SHALL CONFORM TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT), FEDERAL HIGHWAY ADMINISTRATION (FHWA), AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.
 - APPROVED MANUFACTURERS ARE THE FOLLOWING:
 - IBIS SIGNS
 - TRAFFIC & PARKING CONTROL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

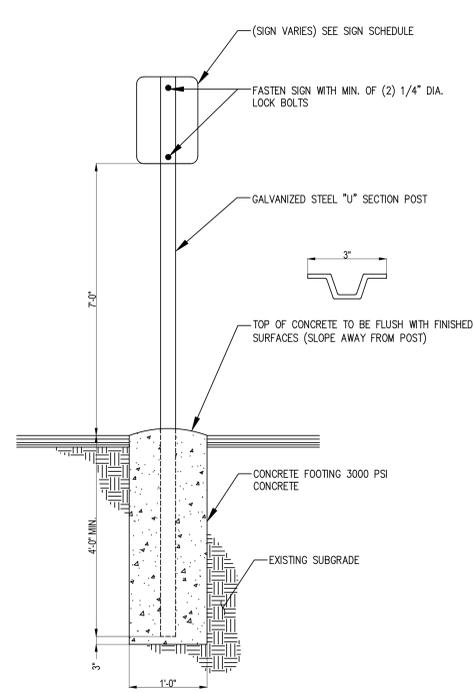
G SIGN DETAILS
C-501 N.T.S.



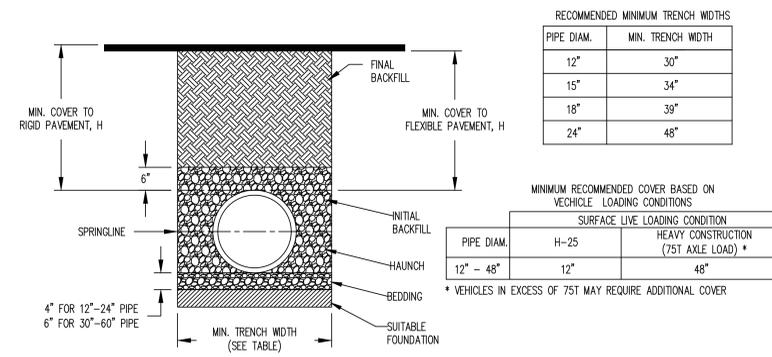
H BLOCK HEATER RECEPTACLE (POLE)
C-501 N.T.S.



I BLOCK HEATER RECEPTACLE (MOUNTED)
C-501 N.T.S.



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



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

FILE NAME: P:\proj\102\10200\10200.dwg; DATE: 11/19/2025; 5:08 PM BY: M. G. McLAREN

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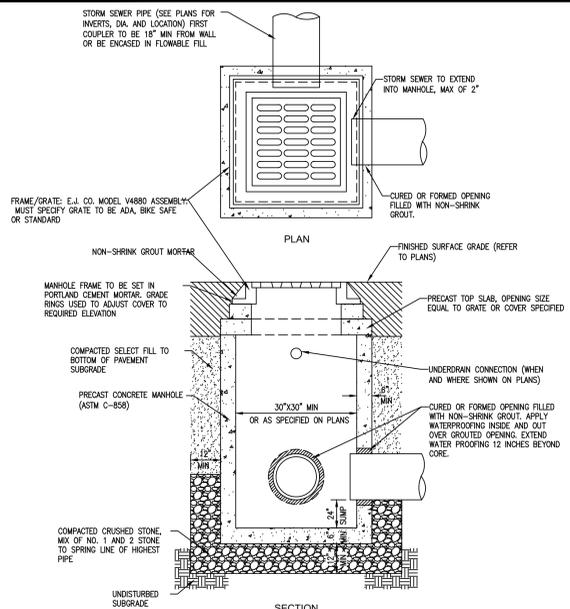
PROJECT: FEDEX GROUND EXPANSION
9 AL FOXIE WAY
HAMLET OF BLAUVELT, TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK
PARCEL ID: 65.14.1-11.1

DATE: 11/19/2025
SCALE: AS SHOWN
DRAWN BY: NTW/BJV
CHECKED BY: MJK/JRR
DRAWING NO: C-501

DETAILS (1 OF 4)

8 OF 11 SHEETS

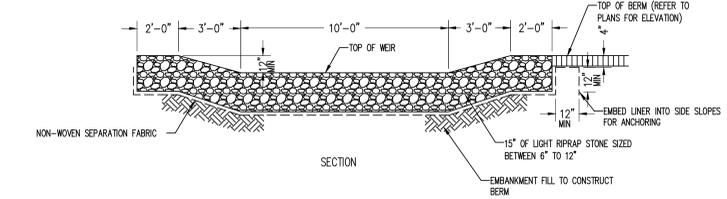
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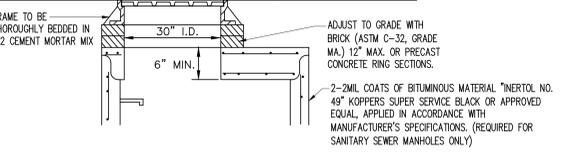
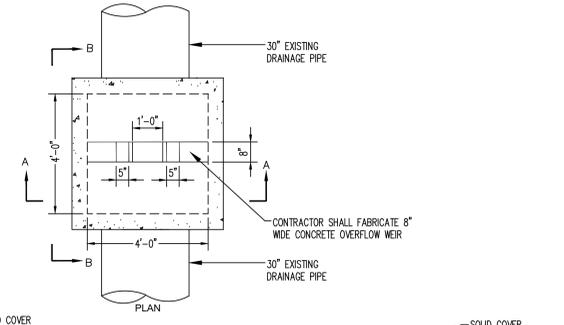
- NOTES:**
1. ALL PRECAST CONSTRUCTION IN ACCORDANCE W/ASTM C478.
 2. CATCH BASIN SHALL BE PRECAST CONCRETE DESIGNED FOR H-20 VEHICULAR LOADING.
 3. FRAME AND GRATE SHALL BE DESIGNED FOR H-20 VEHICULAR LOADING.
 4. CONCRETE CATCH BASIN LID CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING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



DESCRIPTION	IB #1	IB #2	FB #1
TOP OF BERM	70.70'	68.70'	67.30'
TOP OF WEIR	69.70'	67.70'	66.30'

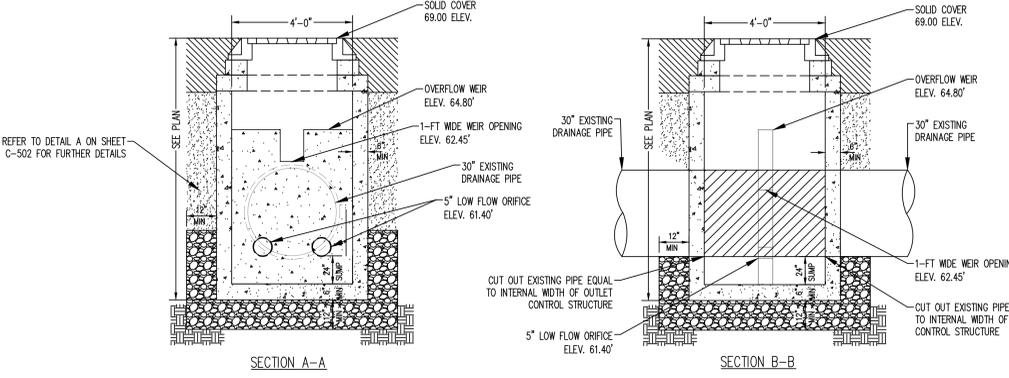


CLEANOUT DETAIL
N.T.S.

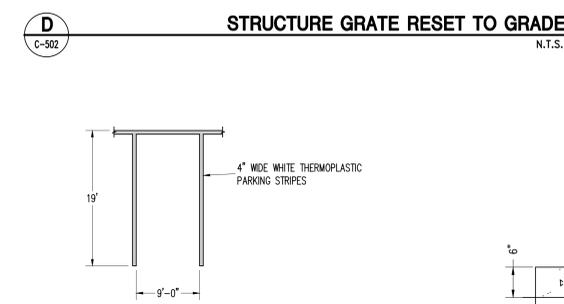


LOCATION	d	w	L _o	T	D50
FES-1	24"	14"	12'	14"	6"
FES-2	12"	7"	6'	14"	6"

RIP-RAP PROTECTION OUTLET
N.T.S.



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



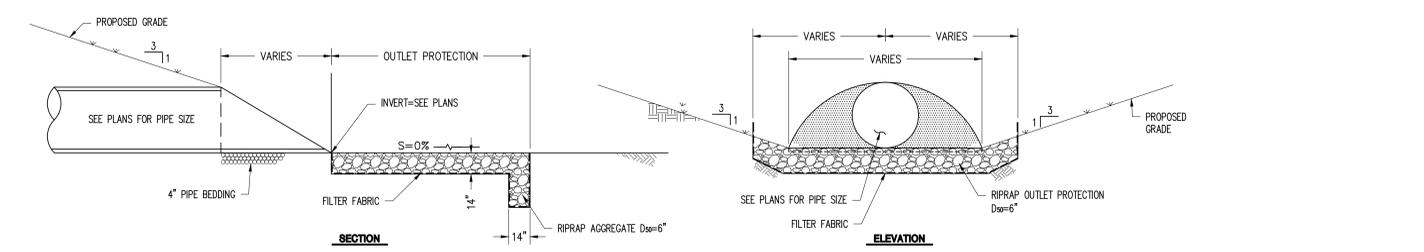
PEA GRAVEL DIAPHRAGM & GRASS FILTER STRIP
N.T.S.



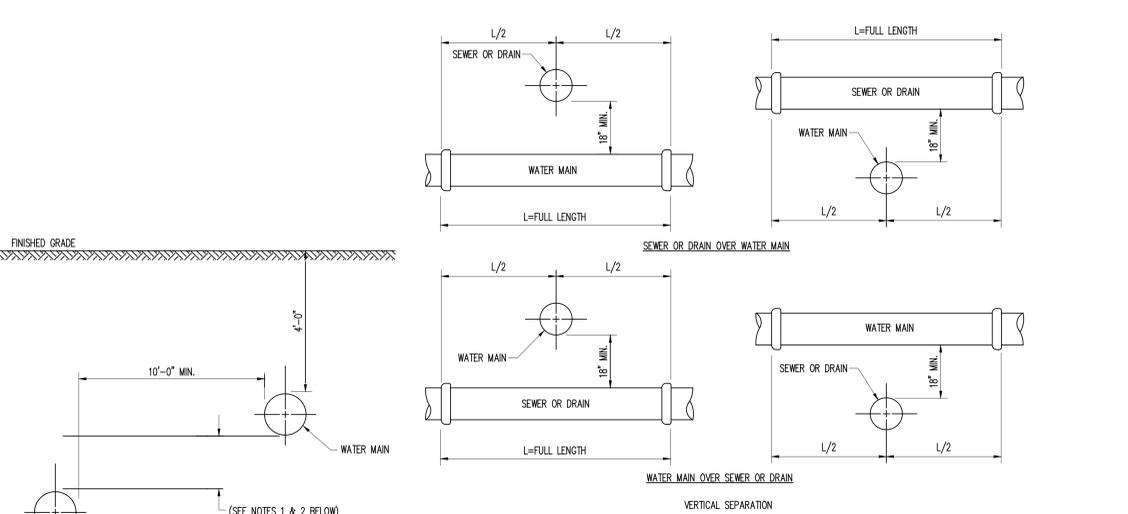
PARKING STRIP
N.T.S.



TRANSITION CURB
N.T.S.



FLARED END SECTION (FES) WITH RIPRAP
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.

UTILITY SEPARATION DETAIL
N.T.S.

FILE NAME: Proj1021090710_DwgC-502.dwg PLOT TIME: Thursday, November 20, 2025 - 5:08 PM BY: Mclaren Wilson

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NO.	DATE	BY	REVISION

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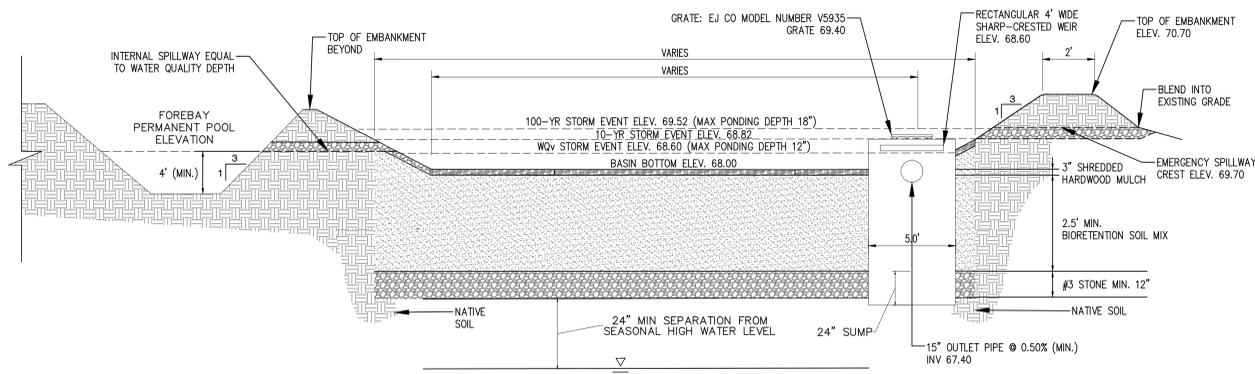
PROJECT: FEDEX GROUND EXPANSION
9 AL FOXIE WAY
HAMLET OF BLAUVELT, TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK
PARCEL ID: 65.14-1-11.1

SCALE: AS SHOWN
DATE: 11/19/2025
DRAWN BY: NTW/BJV
CHECKED BY: MJK/JRR
DRAWING NO: C-502

DETAILS (2 OF 4)

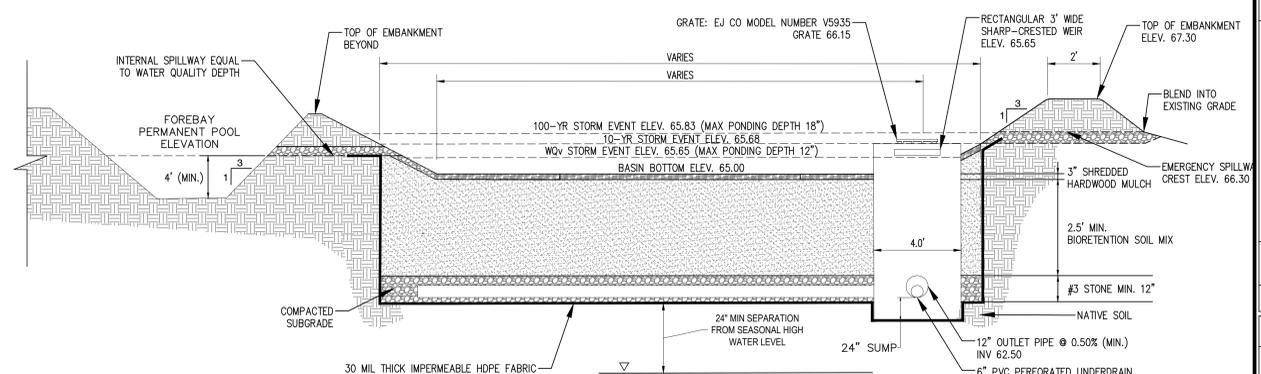
9 OF 11 SHEETS

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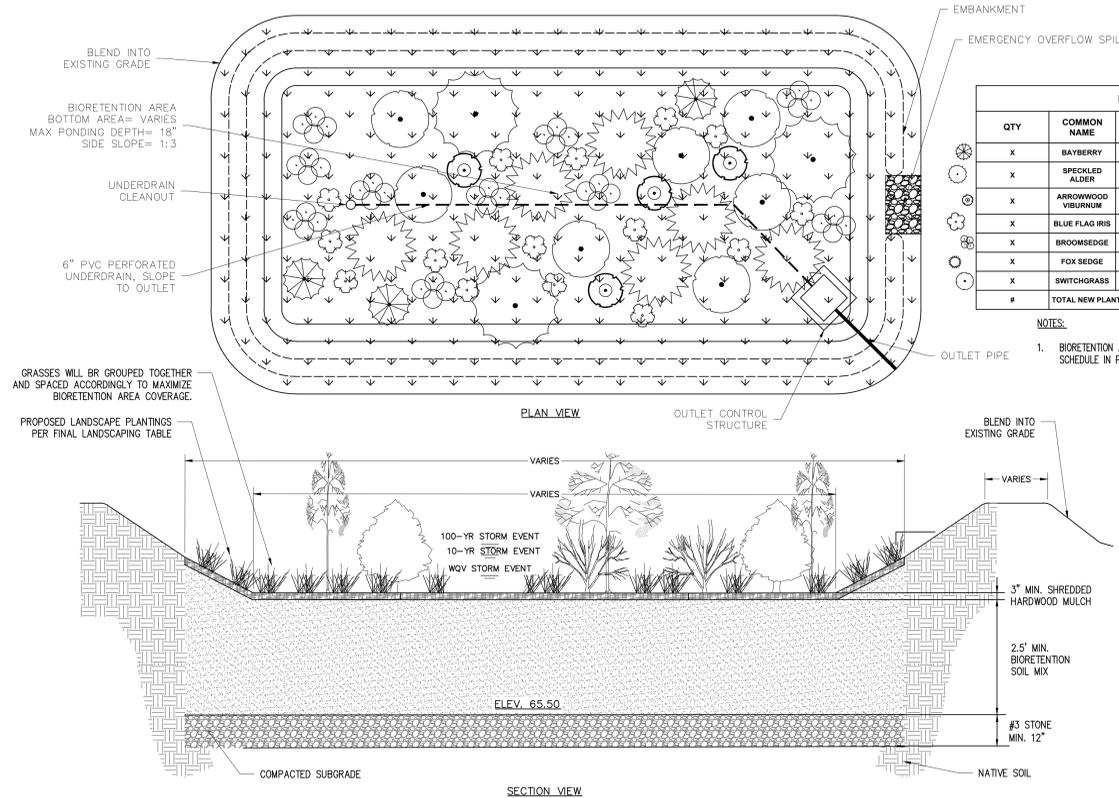
A
C-503

INFILTRATION BIORETENTION AREA #1
N.T.S.



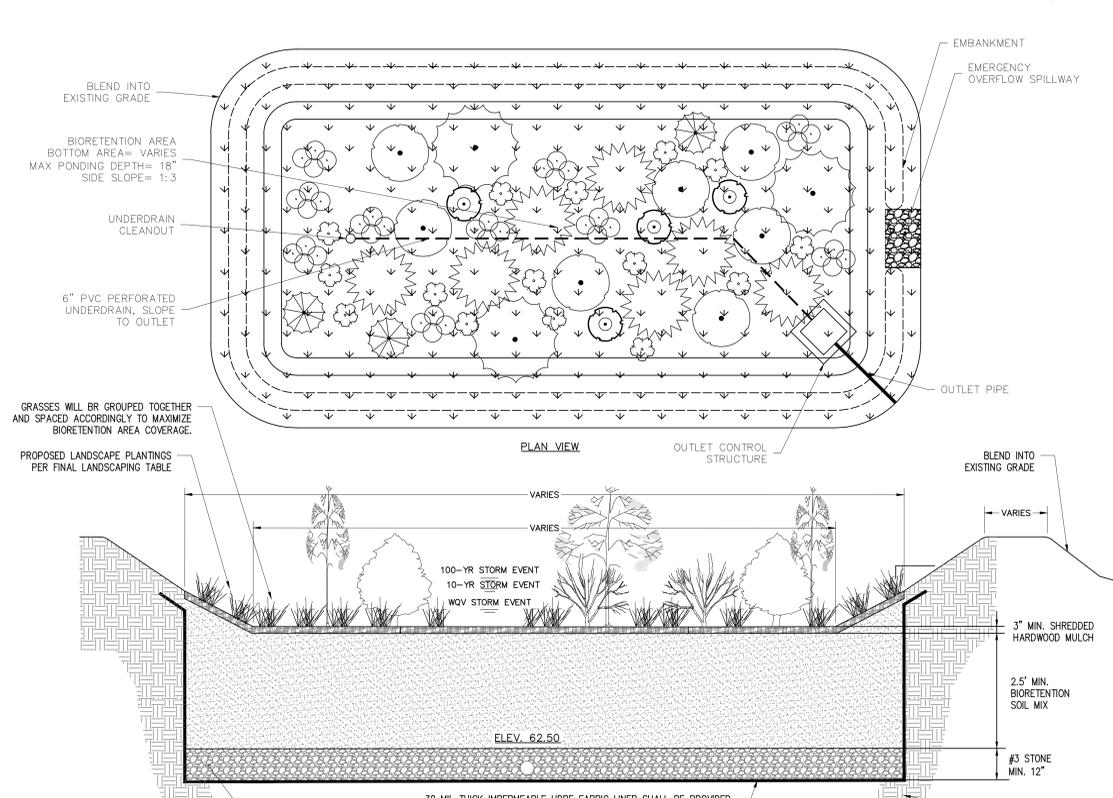
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C-503

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 PENSYLVANICA	4' - 8'	#1 CONTAINER	8'-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.



C
C-503

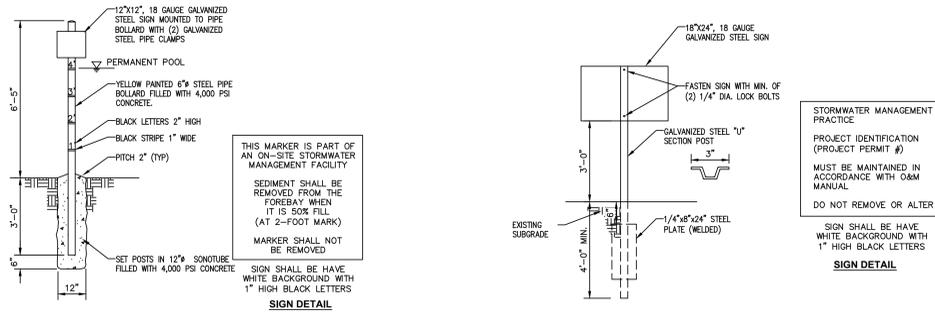
INFILTRATION BIORETENTION AREA #1 PLANTING
N.T.S.

FINAL PROPOSED LANDSCAPING TABLE						
QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	PLANTING SIZE	SPACING	PLANTING ZONE
X	BAYBERRY	MYRICA PENSYLVANICA	4' - 8'	#1 CONTAINER	8'-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.

D
C-503

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



E
C-503
SEDIMENT MARKER
N.T.S.

F
C-503
STORMWATER BASIN SIGN
N.T.S.

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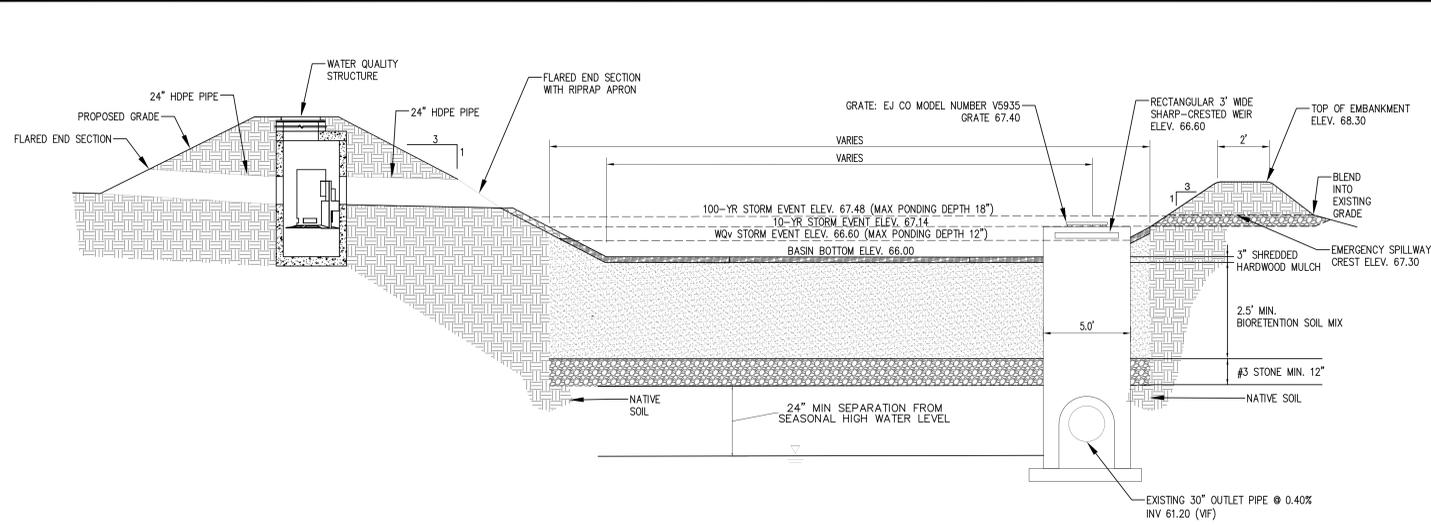
STATE OF NEW YORK
Professional Engineer
No. 094470
J. M. Thomas

SHEET TITLE: DETAILS (3 OF 4)

PROJECT NO: 00048859_001
SCALE: AS SHOWN
DATE: 11/19/2025
DRAWN BY: NTW/BJV
CHECKED BY: MJK/JRR
DRAWING NO: C-503

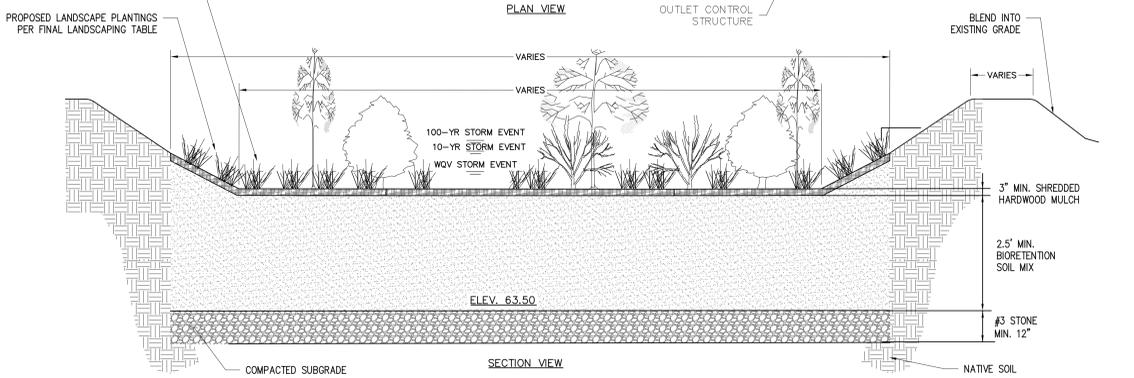
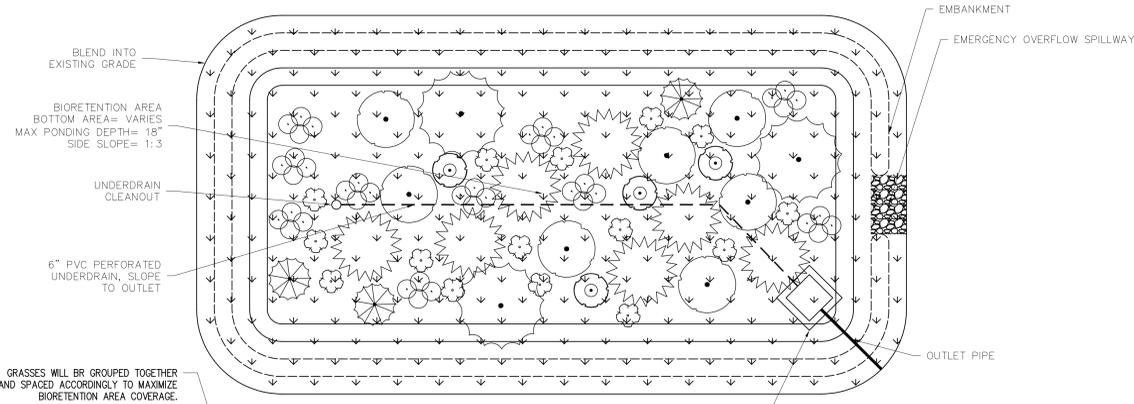
10 OF 11 SHEETS

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INFILTRATION BIORETENTION AREA #2
N.T.S.

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C-504

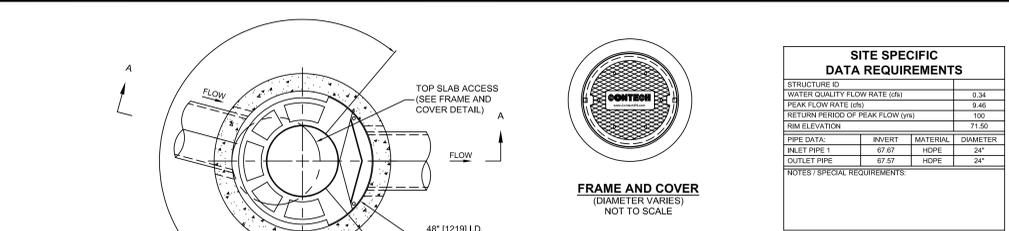


FINAL PROPOSED LANDSCAPING TABLE					
QTY	COMMON NAME	BOTANICAL NAME	MATURE HEIGHT	PLANTING SIZE	PLANTING ZONE
X	BAYBERRY	MYRICA PENNSYLVANICA	4'-8"	#1 CONTAINER	4,5,6
X	SPECKLED ALDER	ALNUS RUGOSA	15'-20"	#3 CONTAINER	3,4
X	ARROWWOOD VIRBURNUM	VIBURNUM DENTATUM	6'-10"	#1 CONTAINER	8-10
X	BLUE FLAG IRIS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

NOTES:
1. BIORETENTION AREA PLANTING SCHEDULE IN PROGRESS.

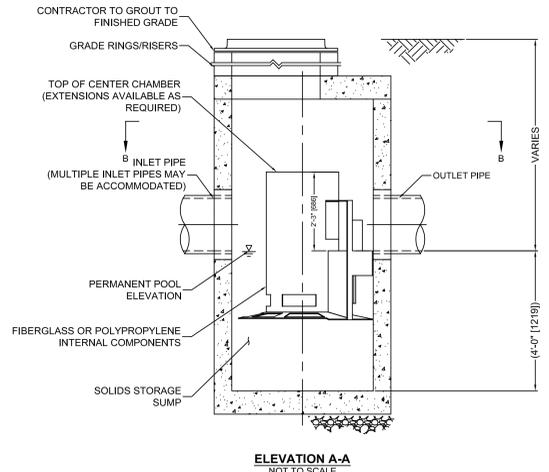
INFILTRATION BIORETENTION AREA #2 PLANTING
N.T.S.

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C-504



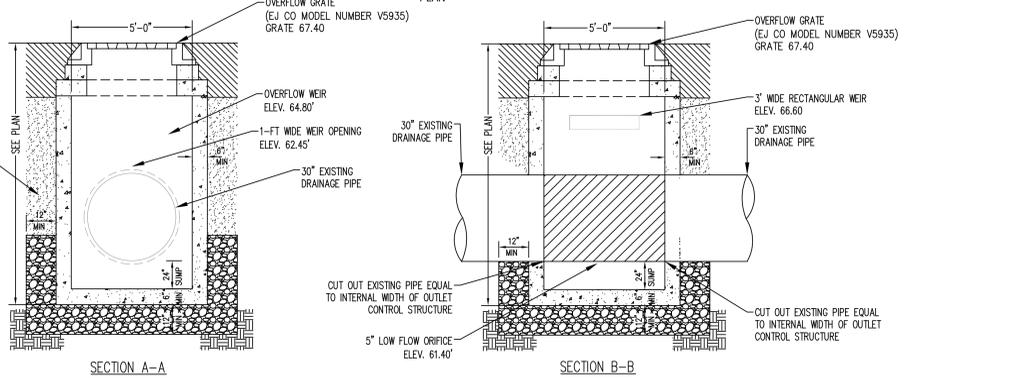
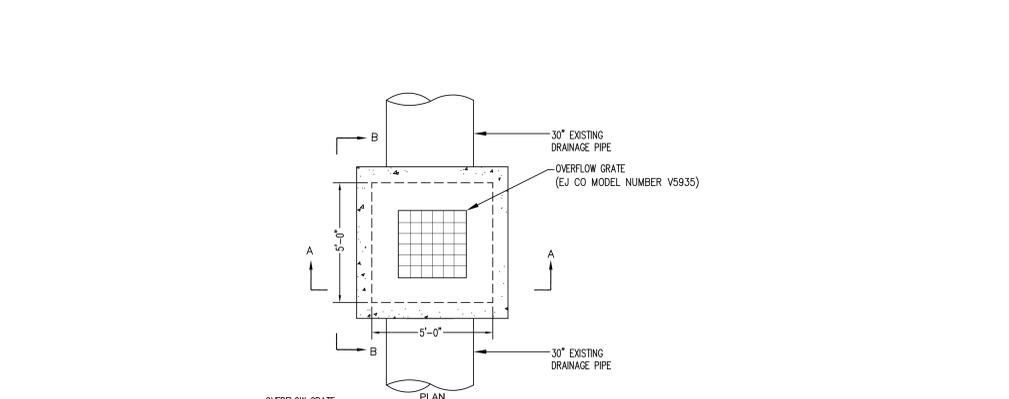
GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO H20 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.
5. CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. ALTERNATE UNITS ARE SHOWN IN MILLIMETERS (mm).

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CASCADE SEPARATOR MANHOLE STRUCTURE.
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
D. 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.
E. 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.



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

B
C-504



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

D
C-504

PROJECT: FEDEX GROUND EXPANSION 9 AL FOXIE WAY HAMLET OF BLAUVELT, TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK PARCEL ID: 65.14-14-11.1

McLaren A DIVISION OF KCI
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T: 202.775.6000 www.mclaren.com

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11 OF 11 SHEETS

DETAILS (4 OF 4)

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