

# LAND DEVELOPMENT PLANS ISSUED FOR PERMITTING

## HUB PARKING EXPANSION FEDEX GROUND 49 FEDEX DRIVE MIDDLETOWN, CT 06457

PREPARED FOR:

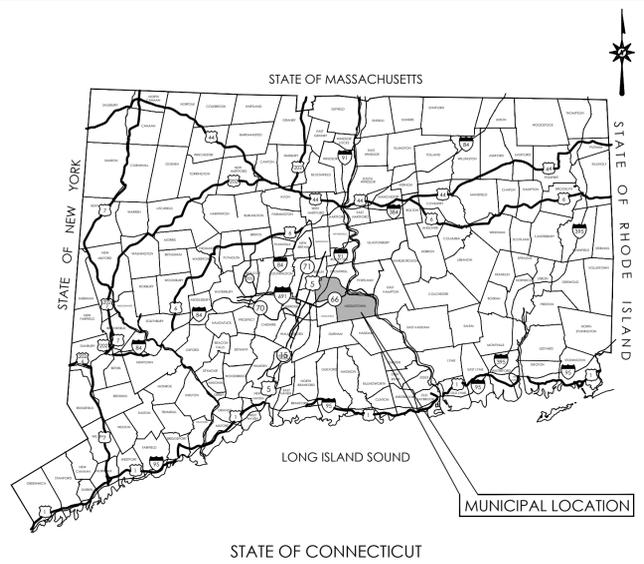
FEDEX GROUND PACKAGE SYSTEM INC.  
1000 FEDEX DRIVE  
MOON TOWNSHIP, PA 15108

PREPARED BY:

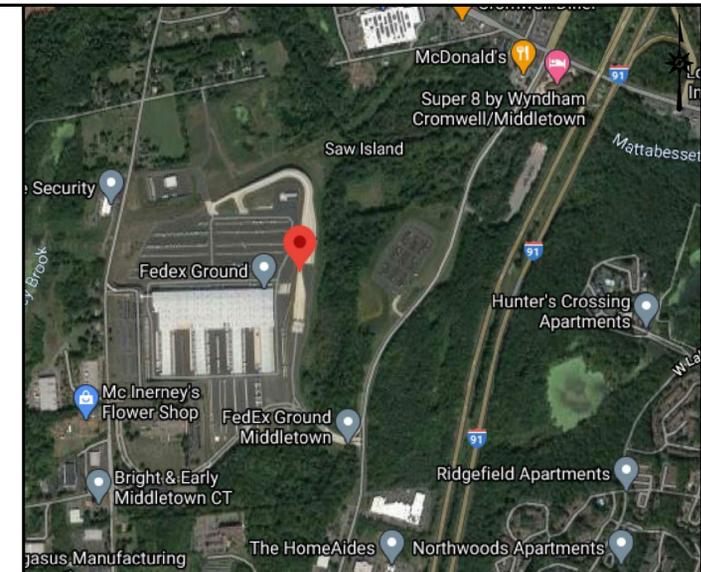


100 CONSTITUTION PLAZA, 10TH FLOOR  
HARTFORD, CONNECTICUT 06103  
(860) 249-2200  
(860) 249-2400 Fax

NOT FOR CONSTRUCTION  
FOR PERMITTING PURPOSES ONLY



LOCATION MAP  
N.T.S.



VICINITY MAP  
SCALE: 1"=800'

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DEVELOPER: FEDEX GROUND PACKAGE SYSTEM INC. 1000 FEDEX DRIVE MOON TOWNSHIP, PA 15108	OWNER: FEDEX GROUND PACKAGE SYSTEM INC PO BOX 71850 PHOENIX, AZ 85050
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<b>DATES</b>	
ISSUE DATE:	FEBRUARY 19, 2021
REVISION:	MAY 14, 2021 (REVISED PER FEDEX REQUIREMENTS)





**LOCATION MAP**  
NOT TO SCALE

**TITLE COMMITMENT INFORMATION**

TITLE COMMITMENT REFERENCE NUMBER	RECORDING REFERENCE	DESCRIPTION	STATUS ON PLAT
8	Vol. 134 Pg. 541	TERMS AND PROVISIONS SET FORTH IN A CONTRACT	NOT PLOTTABLE
9	Vol. 244 Pg. 574 Vol. 245 Pg. 161 Vol. 334 Pg. 706 Vol. 336 Pg. 327 Vol. 336 Pg. 329 Vol. 983 Pg. 265	GRANT OF EASEMENT, IN FAVOR OF ALGONQUIN GAS TRANSMISSION COMPANY	PLOTTED
10	Vol. 329 Pg. 348	DENIAL OF ACCESS RIGHTS, AND DRAINAGE AND EXCAVATION RIGHTS	PLOTTED
11	Vol. 337 Pg. 323	RIGHTS OF ACCESS WAIVED	NOT PLOTTABLE
12	Vol. 369 Pg. 469	GRANT OF EASEMENT AND RIGHT-OF-WAY, IN FAVOR OF THE CITY OF MIDDLETOWN	PLOTTED
13	Vol. 369 Pg. 482	GRANT OF EASEMENT AND RIGHT-OF-WAY, IN FAVOR OF THE CITY OF MIDDLETOWN	DOES NOT AFFECT
14	Vol. 603 Pg. 275	BOUNDARY LINE AGREEMENT	PLOTTED
15	Vol. 622 Pg. 212	UNDERGROUND ELECTRIC DISTRIBUTION EASEMENT, IN FAVOR OF THE HARTFORD ELECTRIC LIGHT, CO.	DOES NOT AFFECT
16	Vol. 630 Pg. 15	RIGHTS TO SLOPE AND GRADE, DRAINAGE RIGHT OF WAY IN FAVOR OF CITY OF MIDDLETOWN	DRAINAGE ROW PLOTTED
17	Vol. 630 Pg. 18	RIGHTS TO SLOPE AND GRADE, DRAINAGE RIGHT OF WAY IN FAVOR OF CITY OF MIDDLETOWN	DOES NOT AFFECT
18	Vol. 665 Pg. 286	MULTIPLE EASEMENTS, IN FAVOR OF THE STATE OF CONNECTICUT	DRAINAGE ROW PLOTTED
19	Vol. 728 Pg. 203	DECLARATIONS OF EASEMENTS BY THE AETNA LIFE INSURANCE COMPANY	NOT PLOTTABLE
20	Vol. 883 Pg. 203	COVENANTS AND AGREEMENTS SET FORTH IN AN EASEMENT AGREEMENT, IN FAVOR OF AETNA LIFE INSURANCE COMPANY	DOES NOT AFFECT
21	Vol. 943 Pg. 53	CONDITIONS AND REQUIREMENTS SET FORTH, AND TRAFFIC INVESTIGATION REPORT	NOT PLOTTABLE
22	Vol. 1755 Pg. 574	WATER MAIN AND BOOSTER PUMP EASEMENT, IN FAVOR OF CITY OF MIDDLETOWN	DOES NOT AFFECT

REFERENCE: CHICAGO TITLE INSURANCE COMPANY COMMITMENT NO. CT 5067985 COHT DATED: 12/10/2014

**TITLE COMMITMENT INFORMATION (1152 MIDDLE STREET)**

TITLE COMMITMENT REFERENCE NUMBER	RECORDING REFERENCE	DESCRIPTION	STATUS ON PLAT
4	Vol. 245 Pg. 440	EASEMENT IN FAVOR OF THE ALGONQUIN GAS TRANSMISSION COMPANY.	PLOTTED
5	Vol. 358 Pg. 20	GRANT OF EASEMENT TO ALGONQUIN GAS TRANSMISSION COMPANY.	PLOTTED
6	Vol. 603 Pg. 275	TERMS AND PROVISIONS OF A BOUNDARY LINE AGREEMENT.	PLOTTED
7	Vol. 979 Pg. 722	EASEMENT IN FAVOR OF ALGONQUIN GAS TRANSMISSION COMPANY.	PLOTTED
8	Vol. 1962 Pg. 977	CONDITIONS CONTAINED IN A VARIANCE GRANTED BY THE ZONING BOARD OF APPEALS CITY OF MIDDLETOWN. (DOCUMENT NOT PROVIDED)	UNKNOWN

REFERENCE: CHICAGO TITLE INSURANCE COMPANY, FILE NO. 5067985, DATE: 04/29/2016

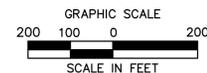
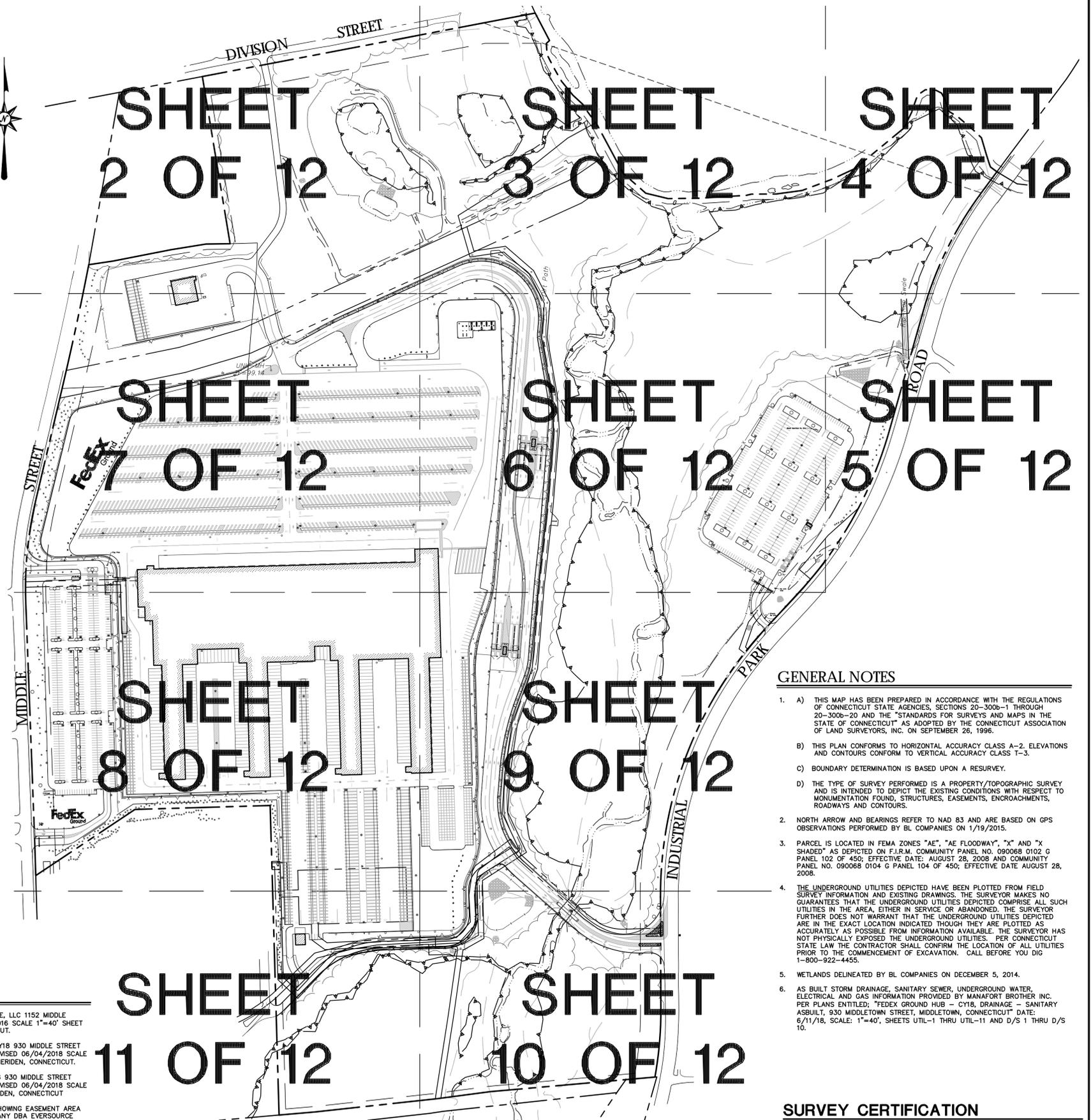
**ZONING INFORMATION**

<b>LOCATION:</b> MIDDLETOWN, MIDDLESEX, CONNECTICUT			
<b>ZONE:</b> IT - INTERSTATE TRADE			
<b>USE:</b> TRUCKING TERMINAL (PERMITTED USE UNDER SPECIAL EXCEPTION)			
ITEM #	ITEM	REQUIREMENTS	EXISTING
1	MINIMUM LOT AREA	2 ACRES	204.84± ACRES
2	MINIMUM LOT WIDTH	200 FEET	2,274.7' AT MIDDLE ST 3,665' AT INDUSTRIAL PARK ROAD
3	MINIMUM LOT DEPTH	NONE REQUIRED	N/A
4	MINIMUM FRONT SETBACK	75 FEET	113.8 FEET (INDUSTRIAL PARK ROAD)
5	MINIMUM SIDE SETBACK	20 FEET	79.4 FEET
6	MINIMUM REAR SETBACK	25 FEET	N/A
7	MAXIMUM BUILDING HEIGHT	50 FT	50 FT
8	MAXIMUM BUILDING COVERAGE	40 PERCENT	5.8 PERCENT

**MAP REFERENCES**

- "ALTA/ACSM LAND TITLE SURVEY SILVER GRACE RE, LLC 1152 MIDDLE STREET MIDDLETOWN, CONNECTICUT" DATE 1/11/2016 SCALE 1"=40' SHEET NO. AL-1 BY BL COMPANIES, MERIDEN, CONNECTICUT.
- "SUBDIVISION PLAN NEW FEDEX GROUND HUB - CY18 930 MIDDLE STREET MIDDLETOWN, CONNECTICUT" DATE 02/24/2016 REVISED 06/04/2018 SCALE 1"=200' SHEET NO. AL-0.03 BY BL COMPANIES, MERIDEN, CONNECTICUT.
- "EASEMENT MAP NEW FEDEX GROUND HUB - CY18 930 MIDDLE STREET MIDDLETOWN, CONNECTICUT" DATE 02/24/2016 REVISED 06/04/2018 SCALE 1"=200' SHEET NO. EA-1 BY BL COMPANIES, MERIDEN, CONNECTICUT.
- "COMPILATION PLAN YGS FILE NO. W18121, MAP SHOWING EASEMENT AREA TO BE GRANTED TO YANKEE GAS SERVICES COMPANY DBA EVERSOURCE ENERGY ACROSS THE PROPERTY OF FEDEX GROUND PACKAGE SYSTEM, INC., 49 FEDEX DRIVE, MIDDLETOWN, CONNECTICUT", SCALE 1"=40', SHEET NO. EA-1 BY BL COMPANIES, MERIDEN, CONNECTICUT.

FOR STORM DRAINAGE INVERT INFORMATION SEE SHEET 12 OF 12  
FOR ADDITIONAL UTILITY NOTES SEE SHEET 2 OF 12



**GENERAL NOTES**

- THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
  - THIS PLAN CONFORMS TO HORIZONTAL ACCURACY CLASS A-2, ELEVATIONS AND CONTOURS CONFORM TO VERTICAL ACCURACY CLASS T-3.
  - BOUNDARY DETERMINATION IS BASED UPON A RESURVEY.
  - THE TYPE OF SURVEY PERFORMED IS A PROPERTY/TOPOGRAPHIC SURVEY AND IS INTENDED TO DEPICT THE EXISTING CONDITIONS WITH RESPECT TO MONUMENTATION FOUND, STRUCTURES, EASEMENTS, ENCROACHMENTS, ROADWAYS AND CONTOURS.
- NORTH ARROW AND BEARINGS REFER TO NAD 83 AND ARE BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES ON 1/19/2015.
- PARCEL IS LOCATED IN FEMA ZONES "AE", "AE FLOODWAY", "X" AND "X SHADED" AS DEPICTED ON F.I.R.M. COMMUNITY PANEL NO. 090068 0102 G PANEL 102 OF 450; EFFECTIVE DATE: AUGUST 28, 2008 AND COMMUNITY PANEL NO. 090068 0104 G PANEL 104 OF 450; EFFECTIVE DATE AUGUST 28, 2008.
- THE UNDERGROUND UTILITIES DEPICTED HAVE BEEN PLOTTED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES DEPICTED ARE IN THE EXACT LOCATION INDICATED THOUGH THEY ARE PLOTTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY EXPOSED THE UNDERGROUND UTILITIES. PER CONNECTICUT STATE LAW THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF EXCAVATION. CALL BEFORE YOU DIG 1-800-922-4455.
- WETLANDS DELINEATED BY BL COMPANIES ON DECEMBER 5, 2014.
- AS BUILT STORM DRAINAGE, SANITARY SEWER, UNDERGROUND WATER, ELECTRICAL AND GAS INFORMATION PROVIDED BY MANAFORT BROTHER INC. PER PLANS ENTITLED: "FEDEX GROUND HUB - CY18, DRAINAGE - SANITARY ASBUILT, 930 MIDDLETOWN STREET, MIDDLETOWN, CONNECTICUT" DATE: 6/11/18, SCALE: 1"=40', SHEETS UTIL-1 THRU UTIL-11 AND D/S-1 THRU D/S 10.

**SURVEY CERTIFICATION**

TO FEDEX GROUND PACKAGE SYSTEM, INC.; CHICAGO TITLE INSURANCE COMPANY:  
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2,3,4,5,8(b),8,9,11,13-19 AND 20 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 11/9/2020.

DATED: \_\_\_\_\_ SIGNED: \_\_\_\_\_  
JENNIFER MARKS L.S. NO. 17939



355 Research Parkway  
Middletown, CT 06450  
(203) 630-1406  
(203) 630-2615 Fax

LAND OF  
**FEDEX GROUND PACKAGE SYSTEM, INC.**  
49 FEDEX DRIVE  
MIDDLETOWN, CONNECTICUT

Drawn	AC/SB/JW
Reviewed	STAFF
Scale	1"=200'
Project No.	2001507
Date	11/18/2020
CAD File:	AL200150701

Title  
**ALTA/NSPS  
LAND TITLE  
SURVEY**

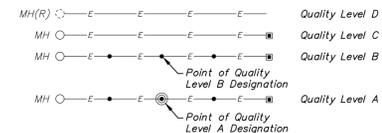
Sheet No. 1 Of 12

**AL-1**

**LEGEND**

	Property Line		Utility Pole
	Easement Line		Utility Pole w/ Light
	Setback Line		Guy Wire
	Edge of Water		Guy Pole
	Limit of Wetlands		Light Pole
	Treeline		Flood Light
	Brushline		Gas Valve
	Major Contour		Catch Basin
	Minor Contour		Manhole
	Major Contour (Unimproved Area)		Span Pole
	Minor Contour (Unimproved Area)		Fire Hydrant
	Retaining Wall		Water Valve
	Guide Rail		Sign
	Fence		Bollard
	Underground Electric Line		Shrub
	Gas Line		Deciduous Tree
	Sanitary Sewer		Coniferous Tree
	Storm Sewer		End of Subsurface Geophysical Information
	Water Line		

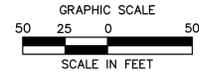
**UTILITY QUALITY LEVELS**



**UTILITY NOTES**

- EXISTING SUBSURFACE UTILITY FEATURES HAVE BEEN DEPICTED IN ACCORDANCE WITH A/ASCE 38-02, "AMERICAN SOCIETY OF CIVIL ENGINEERS, STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA". THIS STANDARD HAS ESTABLISHED FOUR DISTINCT QUALITY LEVELS OF UTILITY MAPPING.
  - QUALITY LEVEL D - INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.
  - QUALITY LEVEL C - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.
  - QUALITY LEVEL B - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS. PROFESSIONAL JUDGMENT IS USED IN CORRELATING THIS INFORMATION TO QUALITY LEVEL C AND D INFORMATION.
  - QUALITY LEVEL A - HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. PROFESSIONAL JUDGMENT IS USED IN CORRELATING THIS INFORMATION TO QUALITY LEVEL B, C AND D INFORMATION.
- ONE OR MORE OF THESE QUALITY LEVELS HAS BEEN UTILIZED IN THE PRODUCTION OF THIS SURVEY. REFER TO THE LEGEND FOR DESIGNATION OF QUALITY LEVELS.
- THE SURVEYOR MAKES NO GUARANTEE OR WARRANTY THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT GUARANTEE OR WARRANT THAT THE UNDERGROUND UTILITIES DEPICTED ARE IN THE EXACT LOCATION INDICATED. UTILITIES ARE DEPICTED IN ACCORDANCE WITH THE STANDARD OF CARE, FROM INFORMATION AVAILABLE.
- THE CONTRACTOR SHALL UTILIZE "CALL BEFORE YOU DIG", "ONE CALL", OR LOCAL EQUIVALENT, PRIOR TO EXCAVATION FOR THE PURPOSE OF VERIFYING THE SUBSURFACE UTILITIES IN THE AREA. IN AREAS WHERE THE "CALL BEFORE YOU DIG", "ONE CALL", OR LOCAL EQUIVALENT DOES NOT RESPOND, THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF THE EXISTING UTILITIES, IN ACCORDANCE WITH THE OWNER'S CONTRACT AND ALL APPLICABLE LAWS AND REGULATIONS, INCLUDING OSHA.
- INDIVIDUAL COMPONENTS OF UTILITIES AND RELATED STRUCTURES MAY EXIST ABOVE OR BELOW GRADE ON OR NEAR THE STRUCTURES AND MAY NOT BE DEPICTED. THESE MAY INCLUDE BUT ARE NOT LIMITED TO GROUND WIRES, STRUCTURAL SUPPORT, AND CATHODIC PROTECTION. THE CONTRACTOR SHALL 1) CONTACT THE OWNER OF THE UTILITY PRIOR TO EXCAVATION FOR INSTRUCTION REGARDING HAZARDS ASSOCIATED WITH, AND SPECIFIC PRECAUTIONS TO BE UTILIZED WHEN WORKING AT OR NEAR, SUCH FACILITIES AND 2) EXERCISE THE APPROPRIATE STANDARD OF CARE REQUIRED IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS, INCLUDING OSHA, WHEN EXCAVATING IN THE VICINITY OF A UTILITY AND/OR ITS RELATED STRUCTURES.
- DETERMINATION OF ABANDONMENT OF A UTILITY, INDICATED AS "ABANDONED" OR "ABAN", HAS BEEN MADE ACCORDING TO RECORD INFORMATION AND IS NOT TO BE CONSTRUED AS BEING THE RESULT OF A PHYSICAL EVALUATION BY BL COMPANIES.

N/F  
David E. Ducki  
Vol. 1093 Pg. 71  
1184 Middle Street



MATCHLINE SHEET 7 OF 11

MATCHLINE SHEET 3 OF 11



355 Research Parkway  
Middletown, CT 06450  
(203) 630-1406  
(203) 630-2615 Fax

LAND OF  
**FEDEX GROUND PACKAGE SYSTEM, INC.**  
49 FEDEX DRIVE  
MIDDLETOWN, CONNECTICUT

Drawn:	AC/SB/JW
Reviewed:	STAFF
Scale:	1"=50'
Project No.:	2001507
Date:	11/18/2020

CAD File:  
Title  
**ALTA/NSPS  
LAND TITLE  
SURVEY**

Sheet No. 2 Of 12

**AL-1**

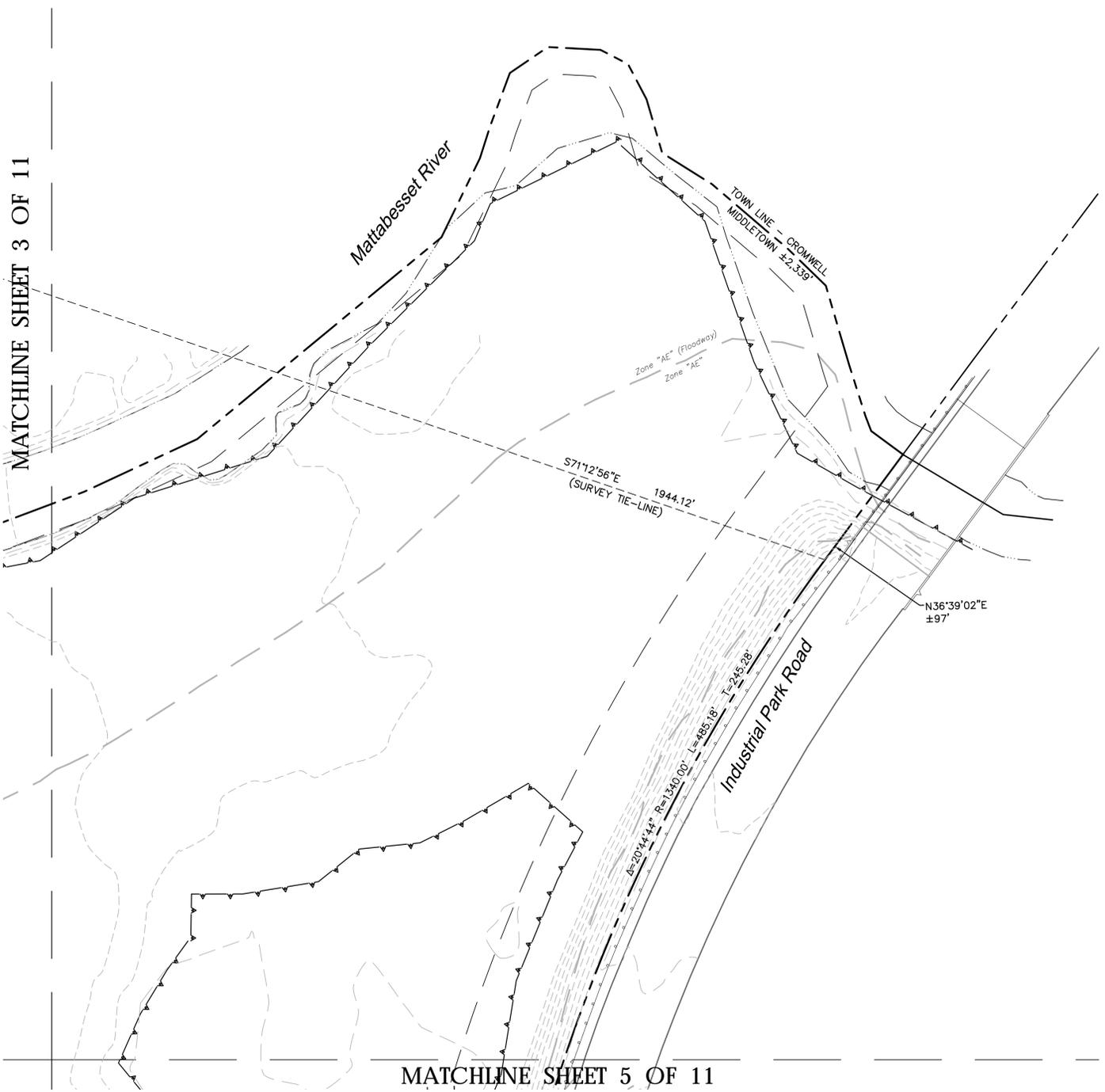
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Rev (6) : XY:14C1115-Commons-Site-Parking-2018-04-V1.XY200150701 : 18D00150701



MATCHLINE SHEET 3 OF 11



MATCHLINE SHEET 5 OF 11

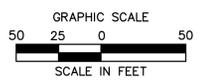
**LEGEND**

	Property Line		Utility Pole
	Easement Line		Utility Pole w/ Light
	Setback Line		Guy Wire
	Edge of Water		Guy Pole
	Limit of Wetlands		Light Pole
	Treeline		Flood Light
	Brushline		Gas Valve
	Major Contour		Catch Basin
	Minor Contour		Manhole
	Major Contour (Unimproved Area)		Span Pole
	Minor Contour (Unimproved Area)		Fire Hydrant
	Retaining Wall		Water Valve
	Guide Rail		Sign
	Fence		Ballard
	Underground Electric Line		Shrub
	Gas Line		Deciduous Tree
	Sanitary Sewer		Coniferous Tree
	Storm Sewer		End of Subsurface Geophysical Information
	Water Line		

**UTILITY QUALITY LEVELS**

MH(R)	Quality Level D
MH	Quality Level C
MH	Quality Level B
MH	Quality Level A

Point of Quality Level B Designation  
Point of Quality Level A Designation



Mar 18, 2021 12:30pm zdenbaha.G:\JOB\2001507\DWG\AL200150701.dwg  
 Layout: AL1 1X308 60E2

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Mendon, CT 06450  
(203) 630-1406  
(203) 630-2615 Fax

LAND OF  
**FEDEX GROUND PACKAGE SYSTEM, INC.**  
49 FEDEX DRIVE  
MIDDLETOWN, CONNECTICUT

Disc:	
REV'S/ONS	
No.	Date
Surveyed	AC/SB/JW
Drawn	STAFF
Reviewed	
Scale	1"=50'
Project No.	2001507
Date	11/18/2020

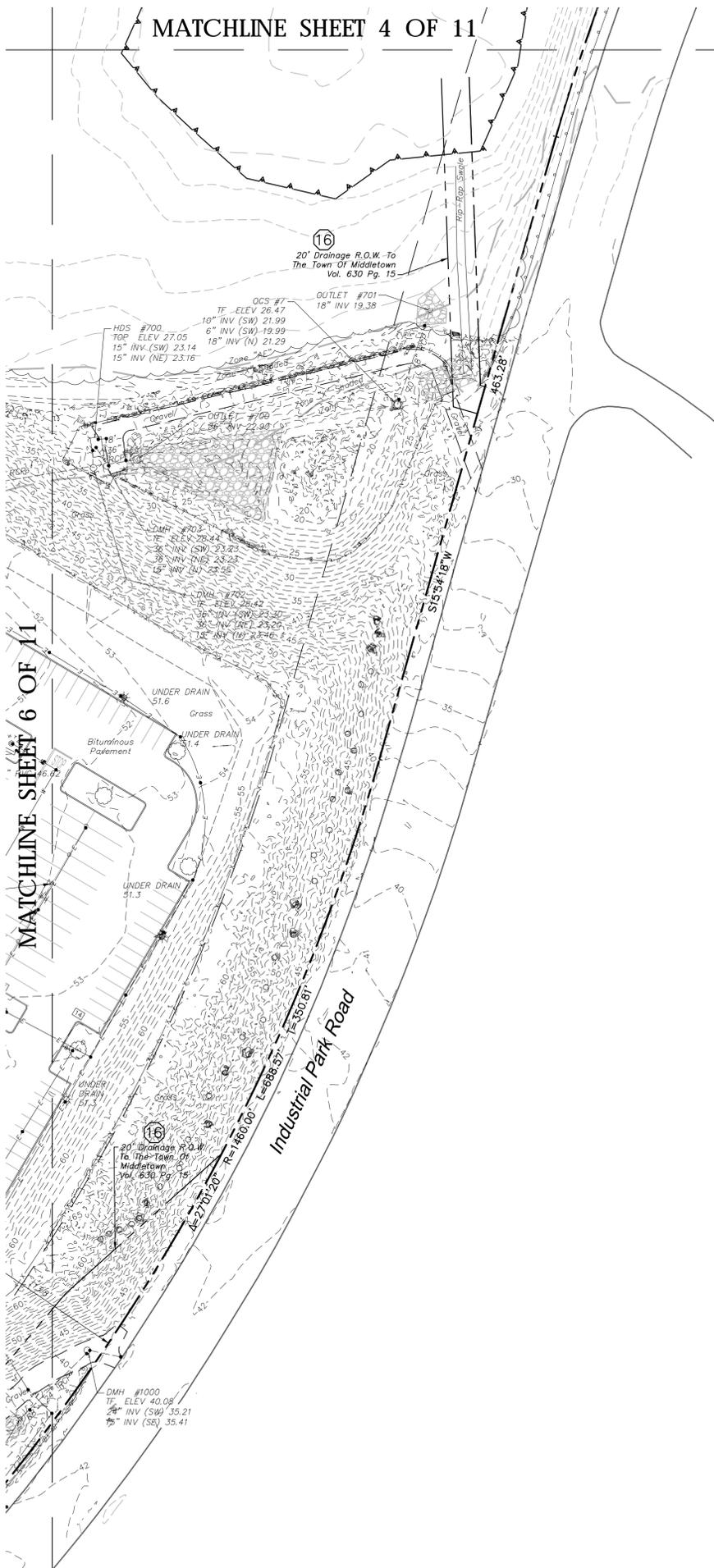
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Title  
**ALTA/NSPS  
LAND TITLE  
SURVEY**

Sheet No. 4 Of 12

**AL-1**

Xref (6) : XY:\FC\3115-Common-Sur-Packing-2018-04\1 - XY\FC\3115-Common-Sur-Packing-2018-04\1.XT200150701 - 1000150701

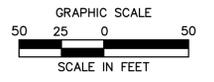


**LEGEND**

	Property Line		Utility Pole
	Easement Line		Utility Pole w/ Light
	Setback Line		Guy Wire
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	Limit of Wetlands		Light Pole
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	Gas Line		Deciduous Tree
	Sanitary Sewer		Coniferous Tree
	Storm Sewer		End of Subsurface Geophysical Information
	Water Line		

**UTILITY QUALITY LEVELS**

	Quality Level D
	Quality Level C
	Quality Level B
	Quality Level A



MATCHLINE SHEET 6 OF 11

Date:	
Drawn:	
Reviewed:	
Scale:	1"=50'
Project No.:	2001507
Date:	11/18/2020

CAD File: AL200150701

Title  
**ALTA/NSPS  
LAND TITLE  
SURVEY**

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 Layout: AL-1 2x36 5x42

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 REVISIONS  
 No. Date  
 Surveyed AC/SB/JW  
 Drawn STAFF  
 Reviewed  
 Scale 1"=50'  
 Project No. 2001507  
 Date 11/18/2020  
 CAD File: AL200150701





Middle Street  
N131°36'E  
425.02'

Δ=15°27'31"  
R=1402.40'  
L=378.37'  
CHD=N5°33'51"E  
377.23'

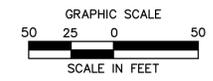
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Boundary Line Agreement  
Vol. 603 Pg. 276

95' Gas Transmission Easement  
Vol. 245 pg. 440  
Vol. 336 pg. 229  
Vol. 983 pg. 265

95' Gas Transmission Easement  
Vol. 244 pg. 574  
Vol. 245 pg. 161  
Vol. 334 pg. 706  
Vol. 336 pg. 327  
Vol. 983 pg. 265

95' Gas Transmission Easement  
Vol. 244 pg. 574  
Vol. 245 pg. 161  
Vol. 334 pg. 706  
Vol. 336 pg. 229  
Vol. 983 pg. 265



Map No. 2021-1270m.ctb  
Layout: AL1\_2020\_7062

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AL200150701

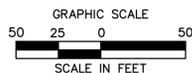
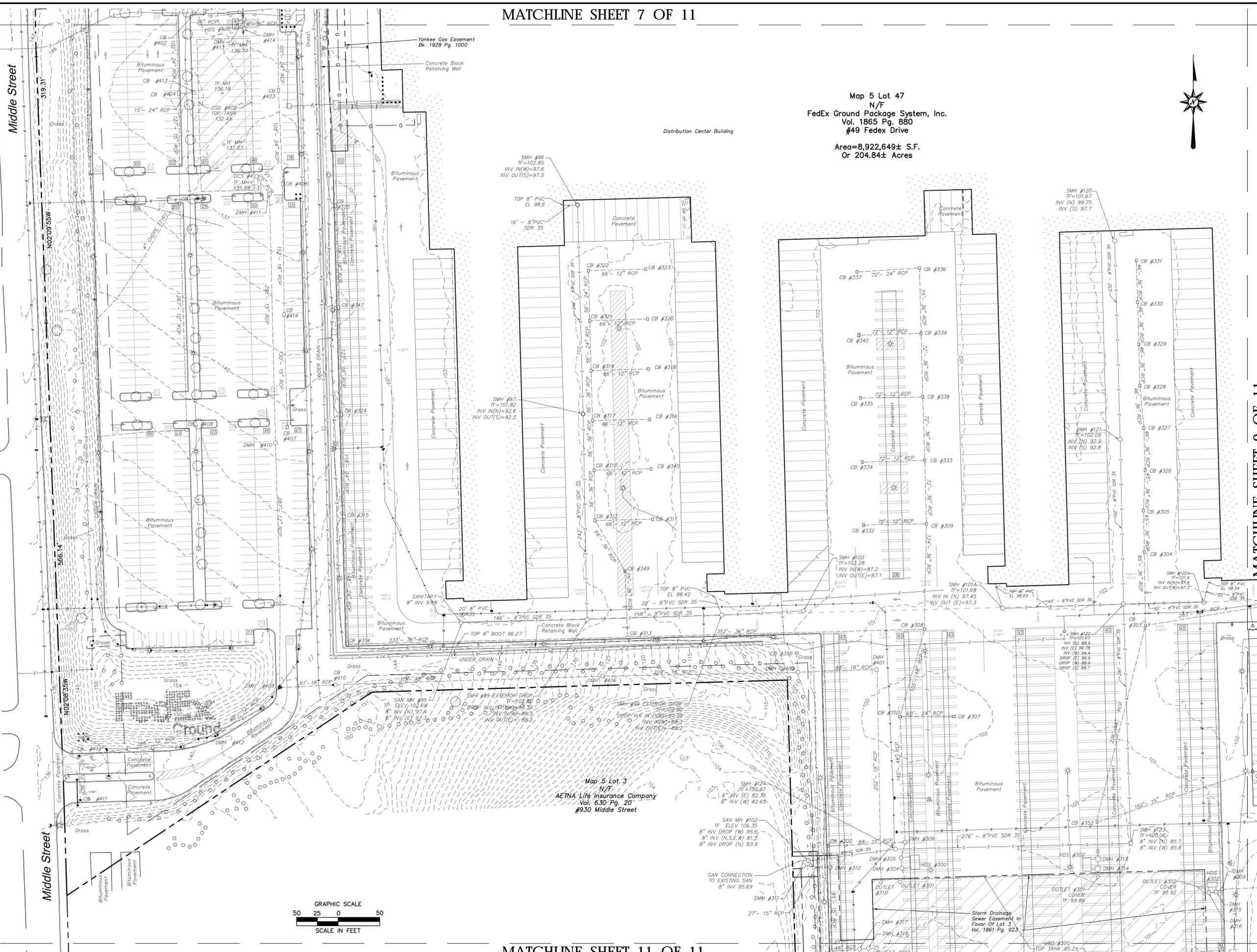
Map 5 Lot 47  
N/F  
FedEx Ground Package System, Inc.  
Vol. 1865 Pg. 880  
#49 FedEx Drive  
Area=8,922.649± S.F.  
Or 204.84± Acres



355 Research Parkway  
Middletown, CT 06450  
(203) 630-1406  
(203) 630-2615 Fax

LAND OF  
FEDEX GROUND PACKAGE SYSTEM, INC.  
49 FEDEX DRIVE  
MIDDLETOWN, CONNECTICUT

MATCHLINE SHEET 9 OF 11



Map 5 Lot 3  
N/F  
AETNA Life Insurance Company  
Vol. 630 Pg. 20  
#930 Middle Street

Map 5 Lot 3  
N/F  
AETNA Life Insurance Company  
Vol. 630 Pg. 20  
#930 Middle Street

Drawn	AC/SB/DW
Reviewed	STAFF
Scale	1"=50'
Project No.	2001507
Date	11/18/2020
CAD File:	AL200150701

Title  
ALTA/NSPS  
LAND TITLE  
SURVEY

Sheet No. 8 Of 12

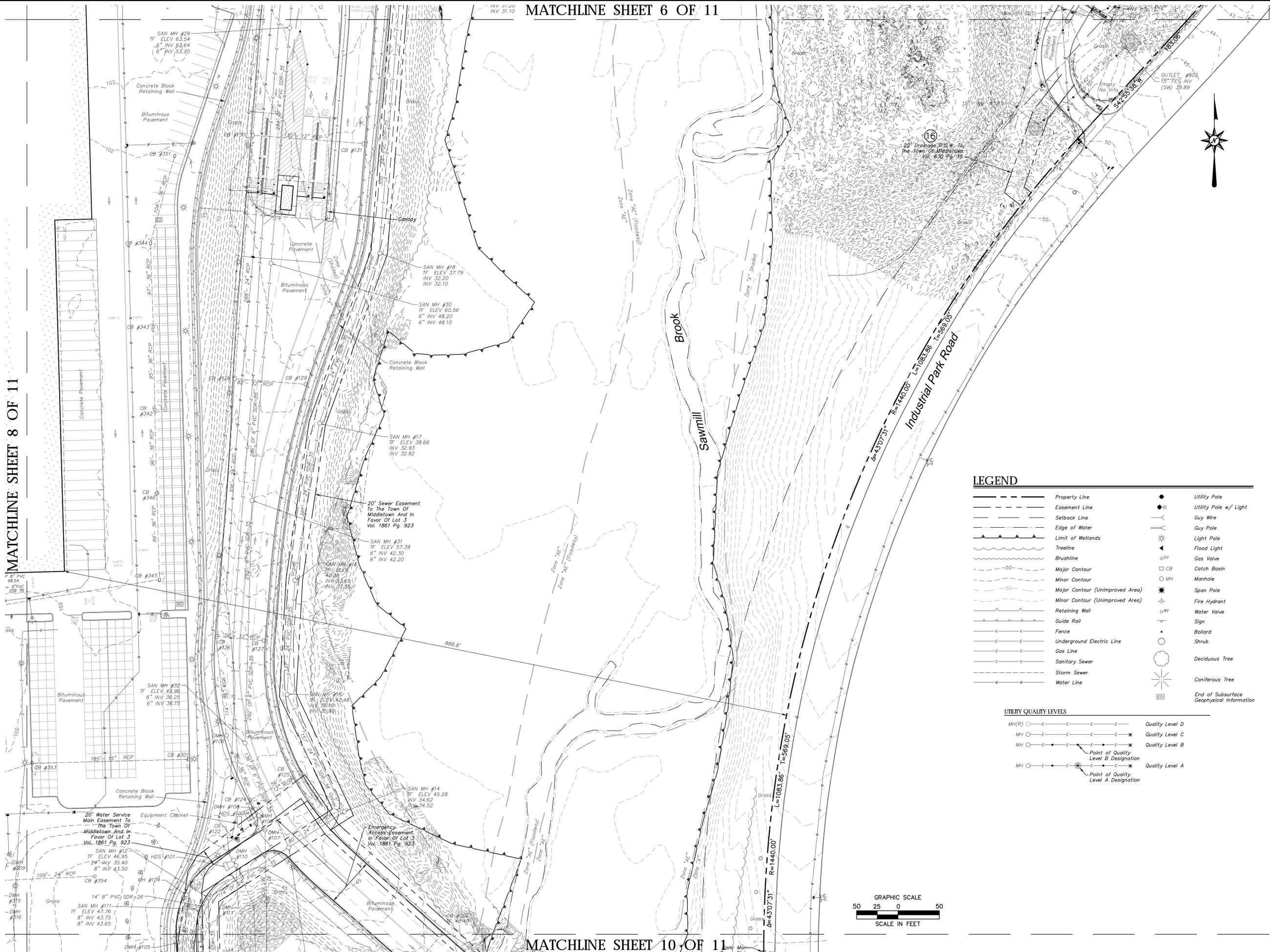
AL-1

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MATCHLINE SHEET 8 OF 11

MATCHLINE SHEET 6 OF 11

MATCHLINE SHEET 10 OF 11

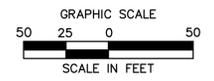


LEGEND

	Property Line		Utility Pole
	Easement Line		Utility Pole w/ Light
	Setback Line		Guy Wire
	Edge of Water		Guy Pole
	Limit of Wetlands		Light Pole
	Tree Line		Flood Light
	Brushline		Gas Valve
	Major Contour		Catch Basin
	Minor Contour		Manhole
	Major Contour (Unimproved Area)		Span Pole
	Minor Contour (Unimproved Area)		Fire Hydrant
	Retaining Wall		Water Valve
	Guide Rail		Sign
	Fence		Bollard
	Underground Electric Line		Shrub
	Gas Line		Deciduous Tree
	Sanitary Sewer		Coniferous Tree
	Storm Sewer		End of Subsurface Geophysical Information
	Water Line		

UTILITY QUALITY LEVELS

MH(R)	Quality Level D
MH	Quality Level C
MH	Quality Level B
MH	Point of Quality Level B Designation
MH	Quality Level A
MH	Point of Quality Level A Designation



355 Research Parkway  
Middletown, CT 06450  
(203) 630-1406  
(203) 630-2615 Fax

LAND OF  
**FEDEX GROUND PACKAGE SYSTEM, INC.**  
49 FEDEX DRIVE  
MIDDLETOWN, CONNECTICUT

Disc: \_\_\_\_\_  
Date: \_\_\_\_\_  
No. \_\_\_\_\_  
Date: \_\_\_\_\_  
Surveyed: AC/SB/JW  
Drawn: STAFF  
Reviewed: \_\_\_\_\_  
Scale: 1"=50'  
Project No.: 2001507  
Date: 11/18/2020  
CAD File: AL200150701

Title  
**ALTA/NSPS  
LAND TITLE  
SURVEY**

Sheet No. 9 Of 12

**AL-1**

Mar 16, 2021 12:37pm zdenaha G:\J0825014\2001507.DWG:AL200150701.dwg  
Layout: AL1 1/8x11 1/4

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Xref (6) : XY:14C1115-Common-Sur-Pkging; 2018-01-01; XY:200150701; 18D0010701





STRUCTURE	TOP OF FRAME	INVERTS
CB #410	143.75	18" E 121.30
		18" W 121.40
DMH #406	123.77	18" W 110.70
		18" E 110.60
DMH #409	102.94	18" W 99.00
		18" N 99.00
		18" E 98.00
CB #355	102.53	12" S 99.15
DMH #401	100.56	18" W 96.80
		18" S 96.60
CB #300	99.89	15" E 95.96
DMH #305	101.10	60" N 88.65
		24" E 88.89
		60" S 88.98
		48" N 89.10
DMH #306	101.06	15" W 95.10
		60" S 89.04
OUTLET #310	101.05	
DMH #311	106.66	15" E 96.10
DMH #310	100.09	15" W 95.90
		15" S 95.80
DMH #312	100.63	48" E 90.20
		15" N 94.80
		36" S 90.22
DMH #317	100.39	48" W 90.10
		18" N 89.85
		48" E 89.73
		48" W 89.66
DMH #318	100.28	18" S 89.67
		48" E 89.51
		48" W 89.50
OUTLET #303		24" N 90.80
DMH #301	99.26	24" S 92.20
DMH #302	99.42	24" S 92.37
		24" N 92.17
DMH #303	98.48	24" W 93.56
		24" N 93.49
EXISTING DMH #308	100.68	24" NE 94.30
EXISTING CB #358	101.17	
CB #356	100.38	12" N 96.64
CB #357	99.56	12" S 97.07
CB #110	93.74	12" N 89.75
DMH #100	91.30	12" W 87.60
		12" E 87.50
CB #109	95.37	24" W 81.60
		24" E 80.00
CB #115	64.45	12" W 60.60
		12" E 58.10
DMH #103	59.71	12" SW 56.00
		12" NE 53.45
DMH #102	56.26	12" S 52.20
		24" N 49.90
CB #119	51.29	24" S 48.60
		24" N 47.15
DMH #105	48.70	15" S 44.76
		15" N 44.66
DMH #104	46.98	15" S 42.35
		15" N 42.25
HDS #101	45.40	18" E 40.50
		18" W 40.50
CB #122	46.29	15" W 40.73
		18" S 40.60
DMH #110	46.50	18" N 40.58
		18" S 40.55
		12" W 40.52
DMH #111	46.30	18" N 40.35
		18" S 40.48
		12" W 40.49
OUTLET #101		18" 39.93
OCS #1	44.02	24" 37.95
OUTLET #150		24" 33.95
OCS #3	98.40	48" N 85.76
		24" S 85.67
DMH #500	98.12	24" N 83.64
		24" S 83.80
DMH #501	93.13	24" NW 81.20
		24" E 81.10
DMH #503	83.77	24" E 78.80
		24" W 66.60

DMH #502	72.59	24" W 50.10
DMH #504	52.82	24" S 48.80
		24" N 48.62
OUTLET #350		24" E 45.29
CB #348	97.92	24" E 43.98
CB #302	98.16	24" E 93.43
		24" W 91.75
DMH #309	101.20	36" N 91.70
		36" S 94.51
		24" E 91.80
CB #354	97.27	36" W 90.49
		36" S 90.51
DMH #315	100.84	24" W 92.90
		36" W 90.59
		18" N 90.63
HDS #302	100.95	36" E 90.50
		18" SW 90.50
DMH #316	100.90	18" SE 90.61
		36" E 90.43
COVER	95.92	36" W 90.38
OUTLET #302		36" E 90.38
USD #300	95.2 +-	
DMH	99.45	
DMH #304	101.11	60" N 88.93
		24" E 88.85
OUTLET #301		60" S 88.72
HDS #300	101.15	60" N 88.45
		24" N 88.90
CB #350	99.52	24" S 88.80
		48" N 89.87
CB #307	99.50	48" W 89.82
		24" S 92.09
CB #308	100.79	24" W 92.99
		36" N 93.41
CB #309	101.26	36" W 90.41
		48" S 90.15
CB #332	101.21	12" W 93.90
		36" N 93.67
CB #333	101.21	36" S 93.60
		12" E 97.90
CB #334	101.25	12" W 97.10
		36" N 94.11
CB #338	101.29	36" S 94.07
		12" W 97.17
CB #335	101.21	24" E 98.17
		36" N 94.55
CB #339	101.23	36" S 94.40
		12" E 97.92
CB #340	101.20	12" W 97.19
		36" N 95.01
CB #336	101.45	36" S 94.95
		12" E 97.85
CB #337	101.42	24" W 95.70
		36" S 95.57
OUTLET #301		24" E 96.07
COVER	99.89	48" N 89.32
DMH #314	99.93	48" N 89.47
		24" W 89.29
HDS #302	99.96	48" S 89.25
		TOPTANK 94.07
DMH #313	99.64	24" N 89.66
		24" S 89.38
		48" N 93.92
CB #352	99.50	48" N 40.58
		48" S 89.83
CB #353	100.79	24" W 89.66
		48" N 93.92
CB #301	101.15	48" S 89.83
		15" E 93.38
CB #303	101.09	15" W 95.20
		15" W 95.05
CB #304	101.52	15" W 97.05
		48" N 93.92
CB #305	101.51	48" N 93.92
		15" E 93.38
CB #326	101.56	48" S 89.83
		36" N 94.13

CB #327	101.47	36" N 94.65
CB #328	101.53	36" S 94.54
		36" N 94.91
CB #329	101.44	36" S 94.83
		36" N 0.00
CB #330	101.50	24" SE 95.22
		36" N 94.71
CB #331	101.45	36" S 94.51
		36" N 95.90
CB #341	98.59	36" N 93.42
		36" W 93.20
CB #346	100.09	36" N 94.04
		36" S 94.06
CB #342	101.09	36" N 94.81
		36" S 94.25
CB #343	101.08	36" N 95.47
		36" S 95.28
CB #344	100.79	36" N 95.84
		36" S 95.77
CB #351	101.94	36" S 96.94
		36" N 38.10
OUTLET #100		36" N 42.16
DMH #107	47.22	36" S 39.03
DMH #109	47.72	36" N 42.72
		36" S 42.59
DMH #108	47.72	15" W 42.70
		36" N 44.39
DMH #110	46.50	36" S 42.77
		15" W 42.86
HDS #100	48.35	18" N 40.58
		18" S 40.55
CB #124	48.06	18" W 40.52
		TOPTANK 47.50
CB #125	48.08	60" N 30.34
		15" E 43.16
DMH #106	49.94	15" E 43.18
		36" N 43.10
CB #126	52.73	36" N 43.10
		36" S 42.95
CB #127	52.68	15" W 44.50
		12" W 45.26
CB #128	58.88	36" N 45.31
		36" S 43.50
CB #129	59.72	24" N 48.14
		36" S 48.04
CB #130	61.43	12" W 49.66
		24" N 55.13
CB #131	62.79	24" S 54.99
		12" E 0.00
CB #132	65.20	12" W 56.65
		24" N 57.48
CB #133	65.06	24" S 57.03
		12" E 0.00
CB #134	68.88	12" W 57.48
		24" S 57.03
CB #135	67.89	12" E 0.00
		24" N 61.29
CB #137	71.60	24" N 61.29
		12" E 0.00
CB #136	70.76	12" W 67.79
		12" E 72.90
CB #101	76.34	15" S 72.60
		12" W 73.10
CB #253	104.40	18" E 100.20
		18" W 98.90
CB #254	103.34	24" N 98.80
		15" E 100.33
DBL CB #251	104.14	15" W 98.65
DBL CB #252	103.24	24" S 98.50
		24" E 93.80
DBL CB #255	97.92	24" W 93.40
		24" S 89.38
CB #257	93.32	15" E 88.50
		24" N 88.50
CB #256	95.68	24" E 84.10
		15" E 88.80

DMH #252	87.14	24" E 78.10
CB #258	77.36	24" W 76.80
		24" E 72.50
DMH #253	77.85	24" W 72.40
		24" SW 72.10
DMH #254	77.49	24" SE 69.91
		18" S 70.09
		24" SW 69.90
HDS #201	78.24	24" SE 69.80
		18" S 69.91
DMH #255	73.92	TOPTANK 76.60
		18" NW 71.95
DMH #215	72.28	18" NE 71.85
		24" NW 68.80
DMH #214	74.64	24" SE 51.94
		48" SW 59.85
DMH #213	78.41	48" NE 50.77
		24" N 51.12
HDS #200	SW 76.32	48" SW 59.62
		TOPVAULT 64.98
DMH #203	78.76	48" NE 59.51
		18" SE 59.93
DMH #207	45.12	18" NE 60.26
		60" W 35.39
DMH #208	39.91	60" N 34.41
		60" S 30.87
CB #201	101.86	60" N 30.34
		24" N 96.30
CB #212	100.60	24" SW 94.09
		4" NW 96.94
CB #211	98.91	4" NE 96.67
		36" E 93.96
CB #223	103.23	36" S 91.20
		36" W 91.15
CB #224	101.92	36" E 91.00
		15" E 98.50
CB #213	100.98	15" W 96.48
		24" NE 96.30
CB #210	100.82	36" NE 93.92
		24" SW 94.01
CB #234	101.94	36" SW 91.96
		36" N 91.87
CB #209	100.94	24" NE 95.95
		24" SW 95.40
CB #205	100.68	24" NE 93.60
		24" NE 91.70
CB #208	99.58	36" 91.60
		36" W 88.30
DMH #200	99.61	36" E 88.15
		36" S 90.50
CB #207	103.15	36" W 87.80
		36" N 87.70
DMH #206	103.84	8" S 99.00
		18" N 98.81
DMH #220	104.41	18" S 98.44
		24" E 98.39
DMH #224	104.43	24" W 96.29
		24" E 98.27
CB #235	101.90	24" W 94.28
		24" E 98.59
CB #206	101.10	24" N 93.59
		24" S 93.15
DMH #218	100.81	24" NE 92.95
		24" SW 90.60
CB #202	98.89	24" NE 90.45
		24" SW 90.95
CB #242	98.07	24" SE 88.60
		24" SE 87.28
CB #204	95.89	36" N 87.18
		36" S 87.00
DMH #411	135.47	42" W 84.40
		42" E 84.30

DMH #209	98.53	60" N 82.10
		42" E 87.30
DMH #225	104.43	42" W 83.20
		24" W 100.04
DMH #222	104.41	24" E 99.81
		24" W 98.71
DMH #223	104.39	24" E 96.84
		24" N 96.38
CB #236	102.06	24" W 99.95
		8" E 100.20
CB #203	101.36	24" S 95.40
		24" NE 95.30
DMH #204	96.47	24" SW 92.95
		24" NW 92.80
DMH #201	96.65	60" S 82.29
		42" E 73.28
CB #200	94.10	60" N 71.95
		60" S 70.46
CB #214	93.91	42" W 74.47
		15" S 88.46
CB #225	87.87	



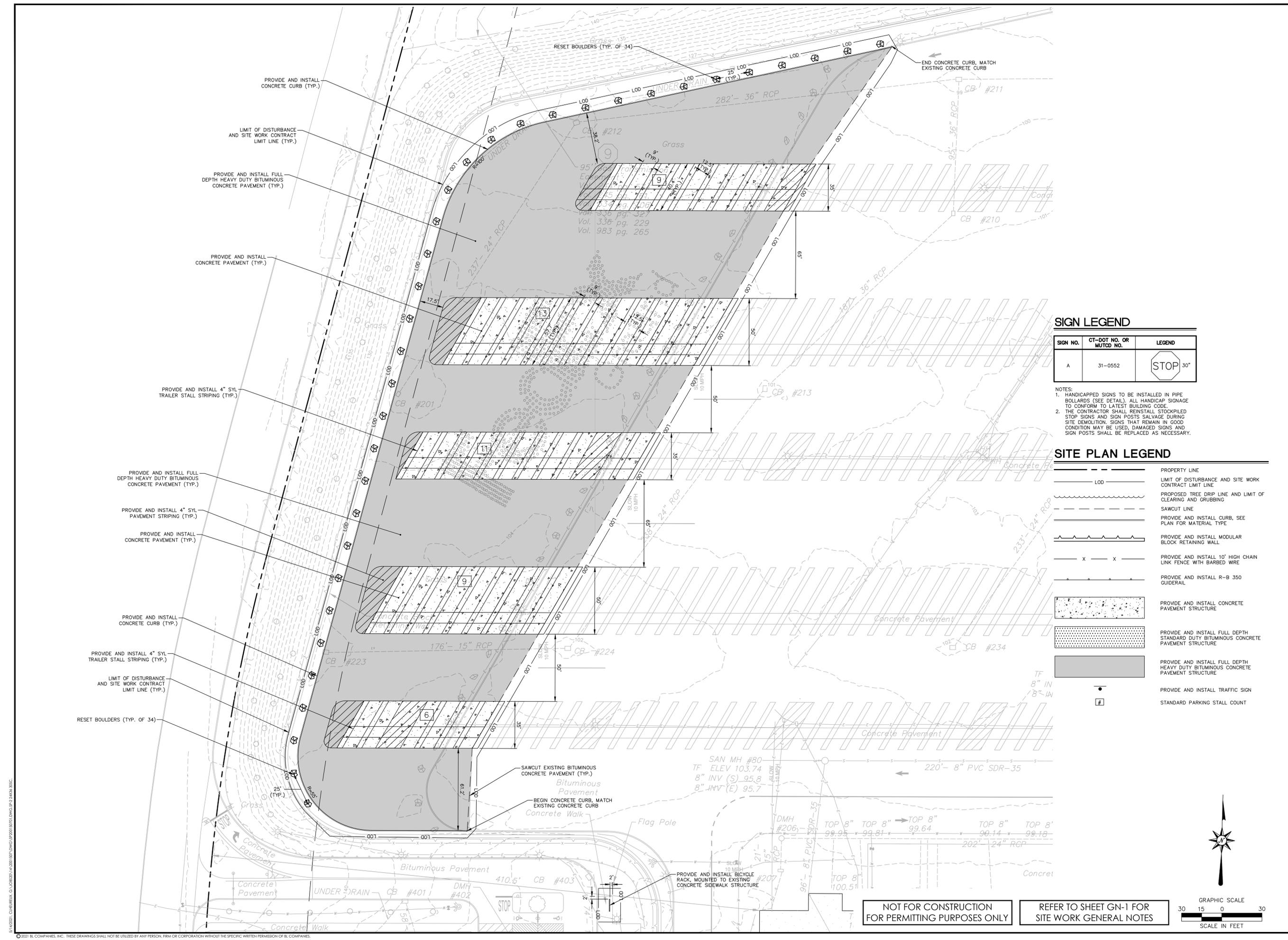












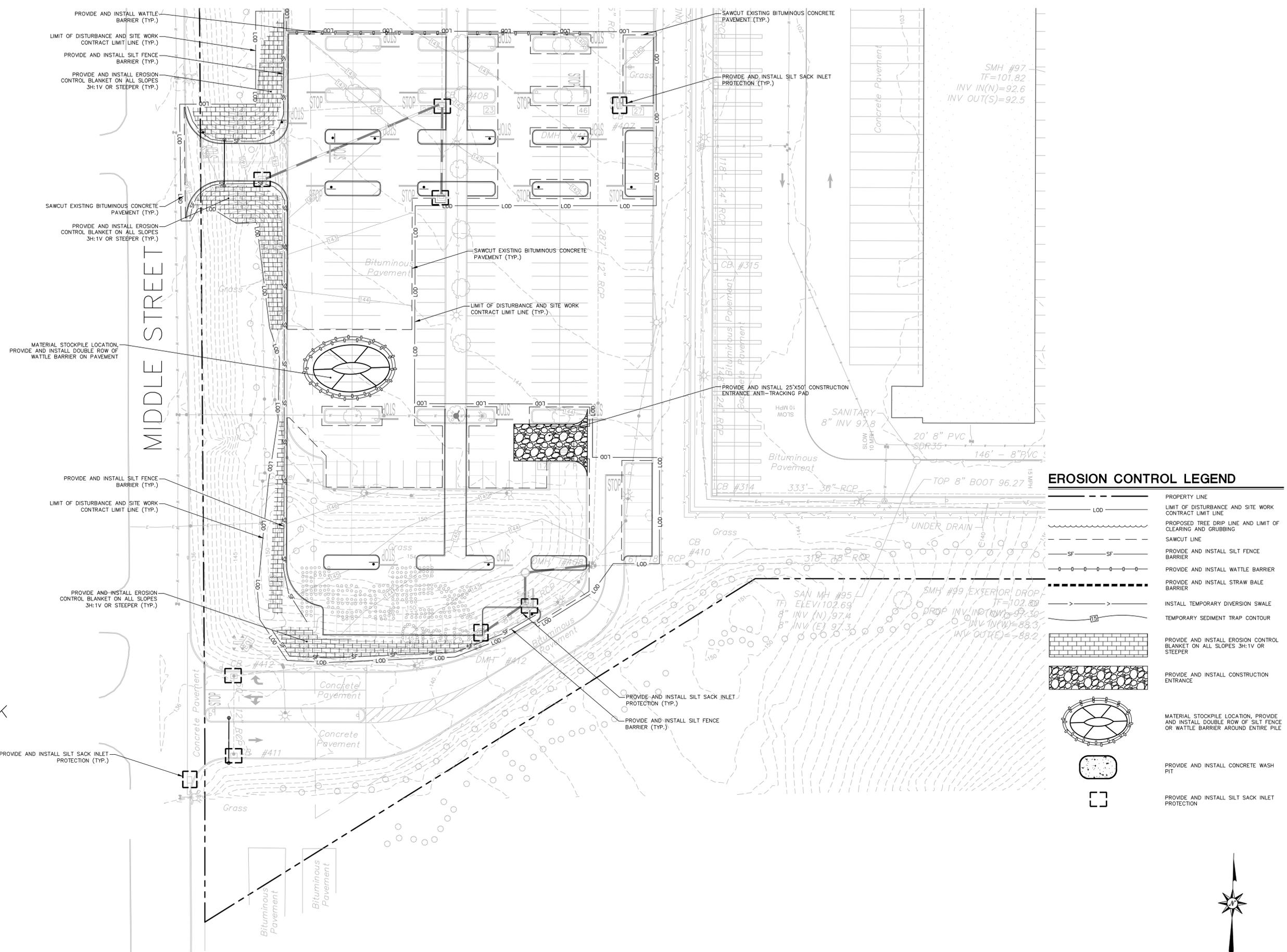








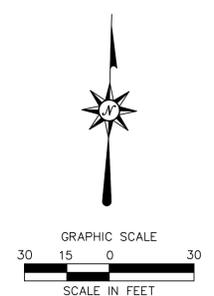




**EROSION CONTROL LEGEND**

	PROPERTY LINE
	LIMIT OF DISTURBANCE AND SITE WORK CONTRACT LIMIT LINE
	PROPOSED TREE DRIP LINE AND LIMIT OF CLEARING AND GRUBBING
	SAWCUT LINE
	PROVIDE AND INSTALL SILT FENCE BARRIER
	PROVIDE AND INSTALL WATTLE BARRIER
	PROVIDE AND INSTALL STRAW BALE BARRIER
	INSTALL TEMPORARY DIVERSION SWALE
	TEMPORARY SEDIMENT TRAP CONTOUR
	PROVIDE AND INSTALL EROSION CONTROL BLANKET ON ALL SLOPES 3H:1V OR STEEPER
	PROVIDE AND INSTALL CONSTRUCTION ENTRANCE
	MATERIAL STOCKPILE LOCATION, PROVIDE AND INSTALL DOUBLE ROW OF SILT FENCE OR WATTLE BARRIER AROUND ENTIRE PILE
	PROVIDE AND INSTALL CONCRETE WASH PIT
	PROVIDE AND INSTALL SILT SACK INLET PROTECTION

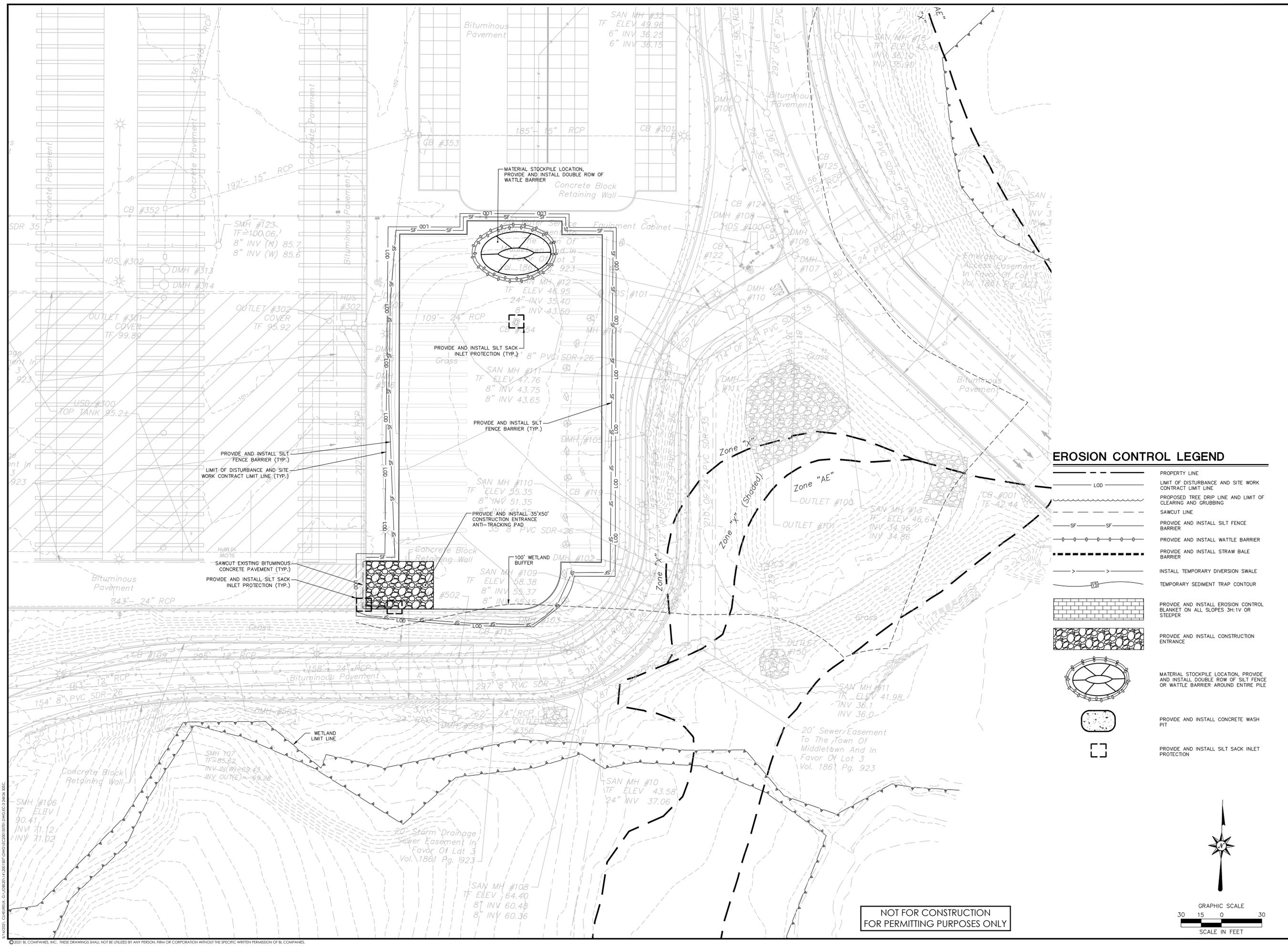
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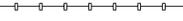
3/11/2021, CHIEF ENGINEER, CIVIL ENGINEER, LICENSE NO. 15070, DWG NO. EC200150701, 24X36, 30%.

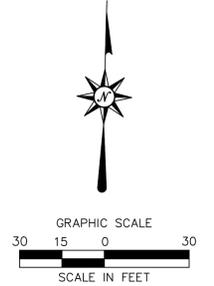
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**EROSION CONTROL LEGEND**

-  PROPERTY LINE
-  LIMIT OF DISTURBANCE AND SITE WORK CONTRACT LIMIT LINE
-  PROPOSED TREE DRIP LINE AND LIMIT OF CLEARING AND GRUBBING
-  SAWCUT LINE
-  PROVIDE AND INSTALL SILT FENCE BARRIER
-  PROVIDE AND INSTALL WATTLE BARRIER
-  PROVIDE AND INSTALL STRAW BALE BARRIER
-  INSTALL TEMPORARY DIVERSION SWALE
-  TEMPORARY SEDIMENT TRAP CONTOUR
-  PROVIDE AND INSTALL EROSION CONTROL BLANKET ON ALL SLOPES 3H:1V OR STEEPER
-  PROVIDE AND INSTALL CONSTRUCTION ENTRANCE
-  MATERIAL STOCKPILE LOCATION, PROVIDE AND INSTALL DOUBLE ROW OF SILT FENCE OR WATTLE BARRIER AROUND ENTIRE PILE
-  PROVIDE AND INSTALL CONCRETE WASH PIT
-  PROVIDE AND INSTALL SILT SACK INLET PROTECTION



**NOT FOR CONSTRUCTION  
FOR PERMITTING PURPOSES ONLY**

REVISIONS  
 No. 1  
 Date 05/17/2021  
 Desc. ISSUED FOR BID  
 Designed C.J.L.  
 Drawn C.J.L.  
 Reviewed M.J.B.  
 Scale 1"=30'  
 Project No. 2001507  
 Date 02/19/2021  
 CAD File: EC200150701  
 Title **SEDIMENT AND EROSION CONTROL PLAN**  
 Sheet No. **EC-3**

02/19/2021, 02:00:00 PM, C:\Users\jcl\OneDrive\Documents\200150701\Drawings\EC-3.dwg, EC-3.dwg, 30x42

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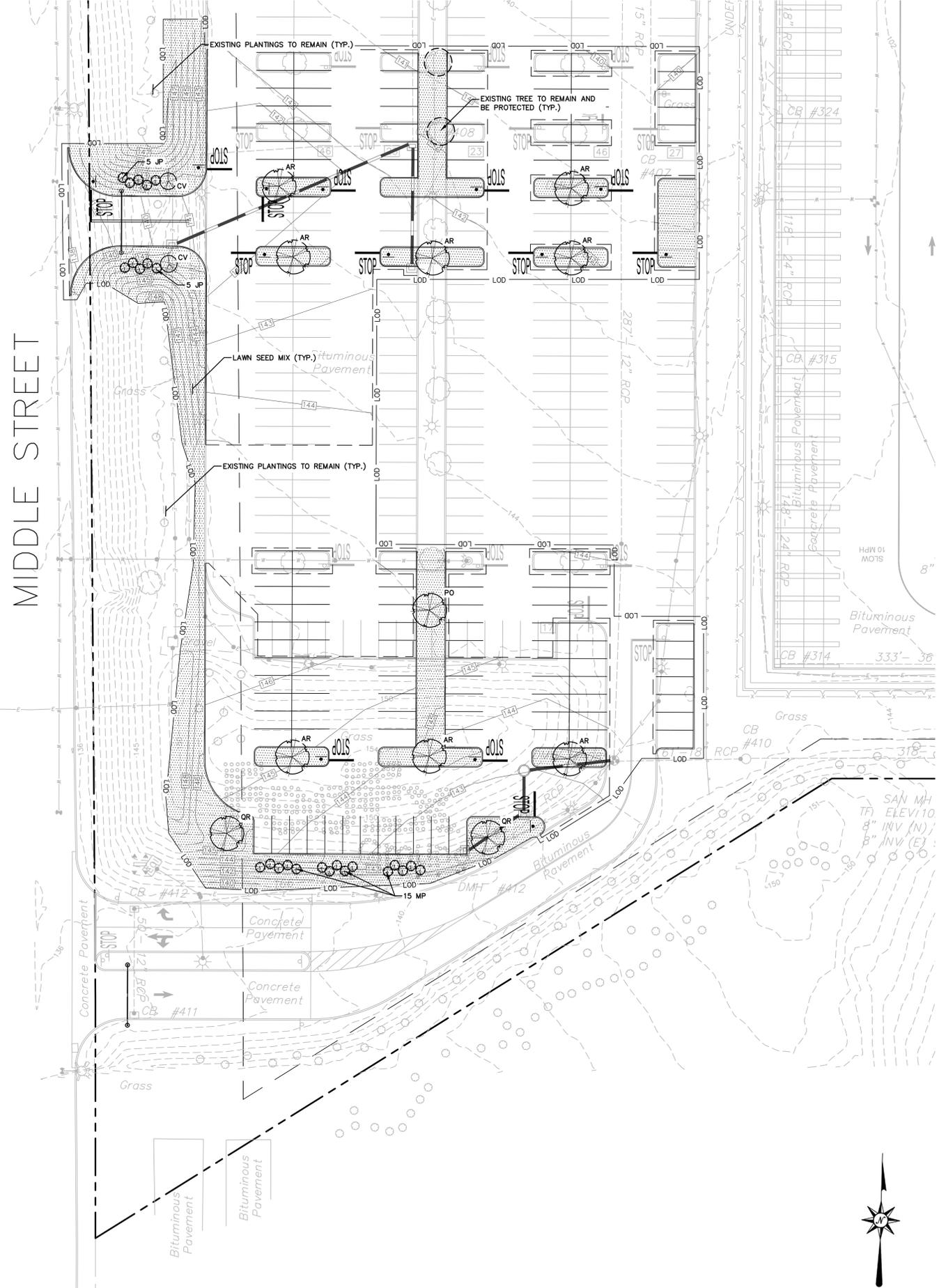
LANDSCAPE PLANT SCHEDULE						
TREES						
KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	COMMENTS
AR	8	Acer rubrum 'Franksred'	RED SUNSET RED MAPLE	B&B	2.5" CAL. MIN.	6' MIN. BRANCH HT.
CV	2	Chionanthus virginicus	WHITE FRINGE TREE	B&B	8' HT. MIN.	MULTI-STEM
PO	1	Platanus x acerifolia 'Morton's Circle'	EXCLAMATION! PLANETREE	B&B	2.5" CAL. MIN.	6' BRANCH HT. MIN.
QR	2	Quercus rubra	RED OAK	B&B	2.5" CAL. MIN.	6' BRANCH HT. MIN.
SHRUBS						
JP	10	Juniperus chinensis 'Pfitzeriana Compacta'	COMPACT PFITZER JUNIPER	CONT.	18" HT. MIN.	PLANT 4' O.C.
MP	15	Myrica pensylvanica	BAYBERRY	CONT.	30" HT. MIN.	PLANT 5' O.C.

**NOTES:**  
 1) ALL SUBSTITUTIONS MUST RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO SITE.  
 2) PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLAN DRAWINGS; THE QUANTITIES IN THE PLANT LIST ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF DISCREPANCIES OCCUR, THE LARGER QUANTITY SHALL APPLY.  
 3) IF THERE IS A DISCREPANCY BETWEEN BOTANICAL AND COMMON NAME, BOTANICAL NAME PREVAILS.

PATTERN	DESCRIPTION
	LAWN SEED MIX (REFER TO SEED MIXES ON SHEET LL-2)
	EXISTING TREE TO REMAIN AND BE PROTECTED
	PROPOSED CANOPY TREE
	PROPOSED ORNAMENTAL TREE
	PROPOSED EVERGREEN SHRUB

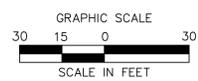
**SEE SHEET LL-4 FOR LANDSCAPE NOTES AND DETAILS**

PHILMACK DRIVE



NOT FOR CONSTRUCTION FOR PERMITTING PURPOSES ONLY

REFER TO SHEET GN-1 FOR SITE WORK GENERAL NOTES



REVISIONS	Desc.
No. 1	ISSUED FOR BID
Date	02/17/2021

Designed	W.E.V.
Drawn	W.E.V.
Reviewed	M.J.B.
Scale	1"=30'
Project No.	2001507
Date	02/19/2021
CAD File:	LL200150701

Title  
**LANDSCAPE PLAN**

Sheet No.

**LL-1**



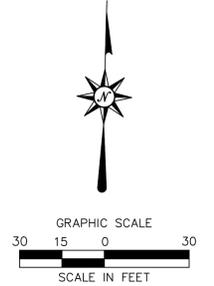
**LEGEND**

PATTERN	DESCRIPTION
	LAWN SEED MIX (REFER TO SEED MIXES ON SHEET LL-2)
	EXISTING TREE TO REMAIN AND BE PROTECTED
	PROPOSED CANOPY TREE
	PROPOSED ORNAMENTAL TREE
	PROPOSED EVERGREEN SHRUB

**SEE SHEET LL-4 FOR  
LANDSCAPE NOTES AND DETAILS**

**NOT FOR CONSTRUCTION  
FOR PERMITTING PURPOSES ONLY**

**REFER TO SHEET GN-1 FOR  
SITE WORK GENERAL NOTES**



**EXISTING FEDEX GROUND HUB  
HUB PARKING EXPANSION**  
49 FEDEX DRIVE  
MIDDLETOWN, CONNECTICUT

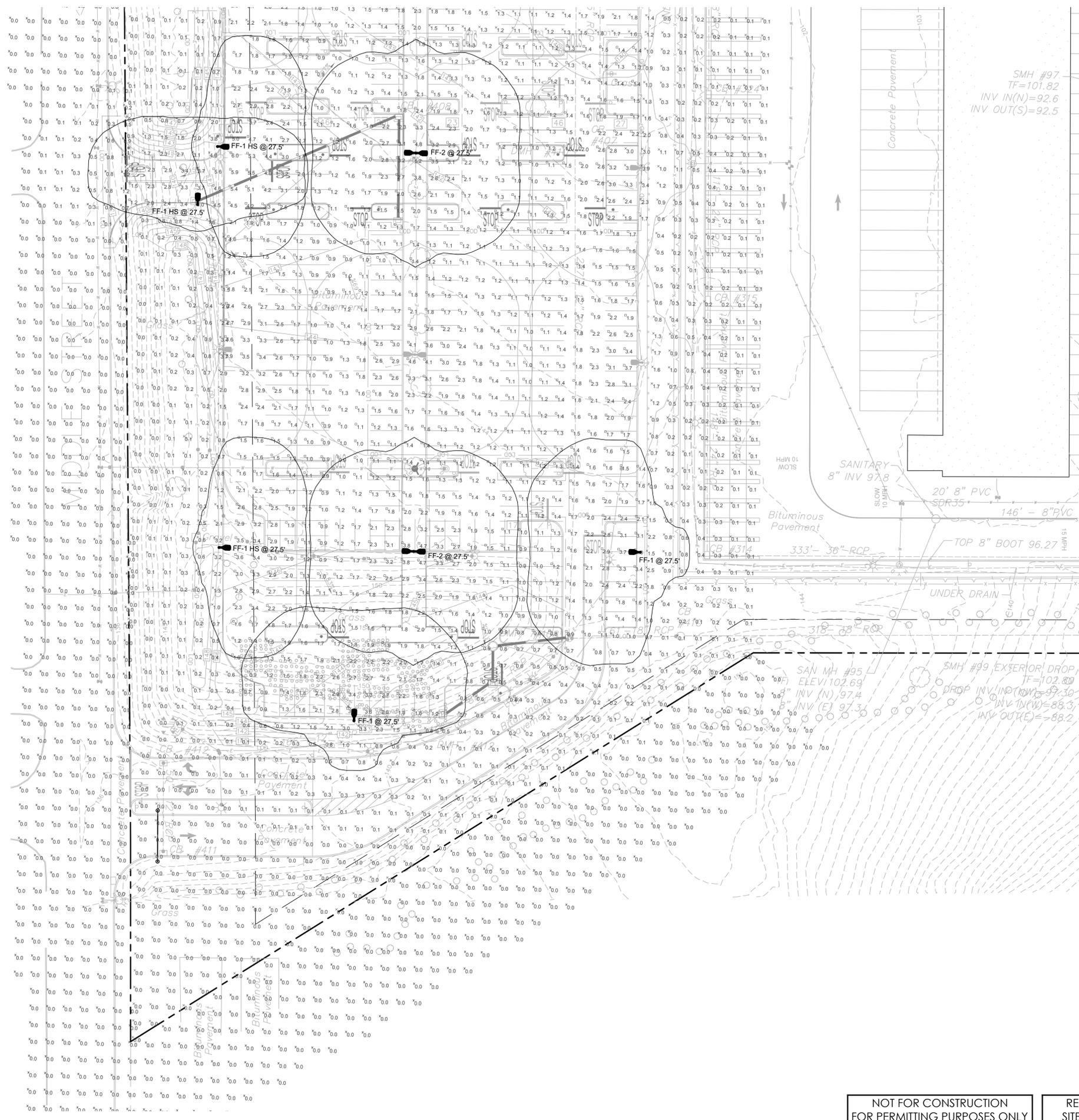
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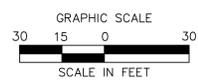
5/14/2021, 10:00 AM, C:\PROJECTS\2021\LP2001\50702\DWG\LP2001\_50702\_1.dwg, PLOT DATE: 5/14/2021, 10:00 AM

PHILMACK DRIVE



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FOR PERMITTING PURPOSES ONLY

REFER TO SHEET GN-1 FOR  
SITE WORK GENERAL NOTES



**EXISTING FEDEX GROUND HUB  
HUB PARKING EXPANSION**  
49 FEDEX DRIVE  
MIDDLETOWN, CONNECTICUT

REVISIONS  
No. 1  
Date 05/17/2021  
Desc. ISSUED FOR BID

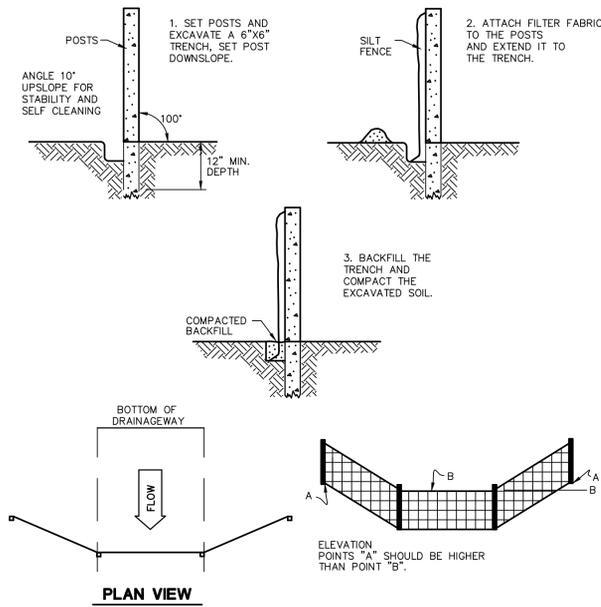
Designed J.S.D.  
Drawn J.S.D.  
Reviewed M.J.B.  
Scale 1"=30'  
Project No. 2001507  
Date 02/19/2021  
CAD File: LP200150701  
Title  
**SITE LIGHTING PLAN**  
Sheet No.

**LP-1**



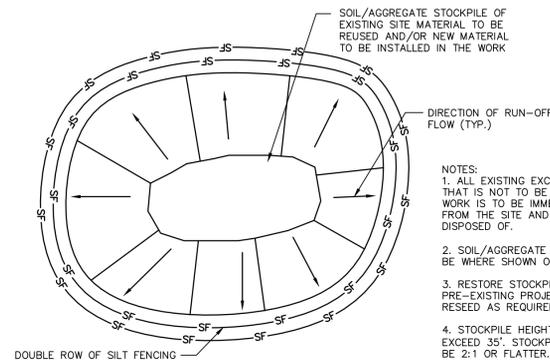






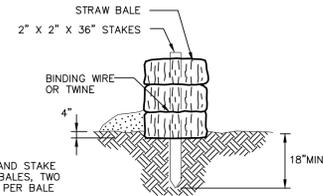
**SILT FENCE BARRIER**

N.T.S. CTEC-003



**MATERIALS STOCKPILE DETAIL**

N.T.S. BLEC-006



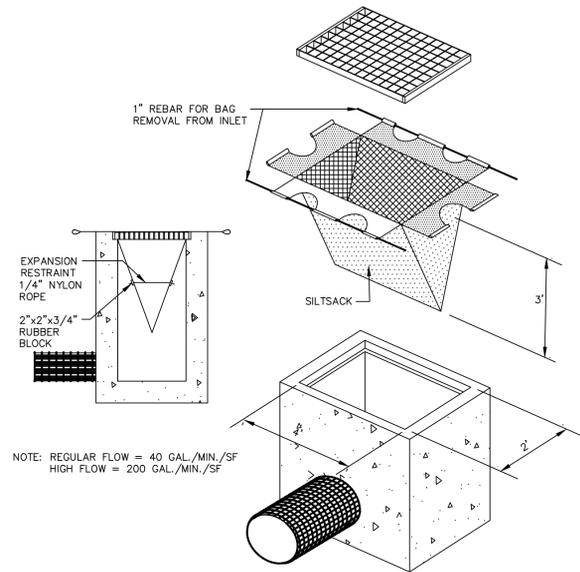
STRAW BALE BARRIERS SHOULD NOT BE USED FOR MORE THAN 3 MONTHS

SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE ABOVE GROUND HEIGHT OF THE BARRIER.

ANY SECTION OF STRAW BALE BARRIER WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.

**STRAW BALE DETAIL**

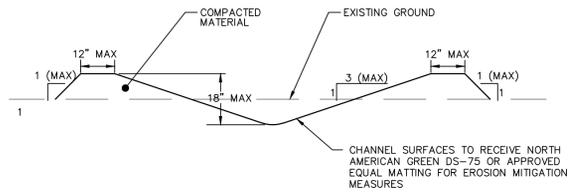
N.T.S. BLEC-007



NOTE: REGULAR FLOW = 40 GAL./MIN./SF  
HIGH FLOW = 200 GAL./MIN./SF

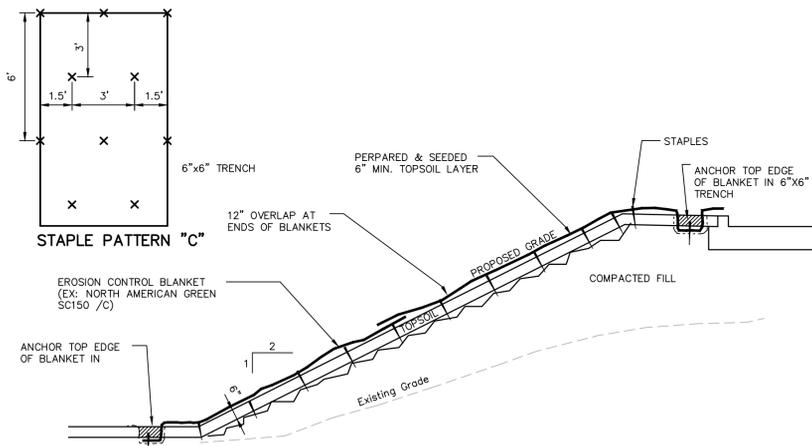
**SILT SACK**

N.T.S.



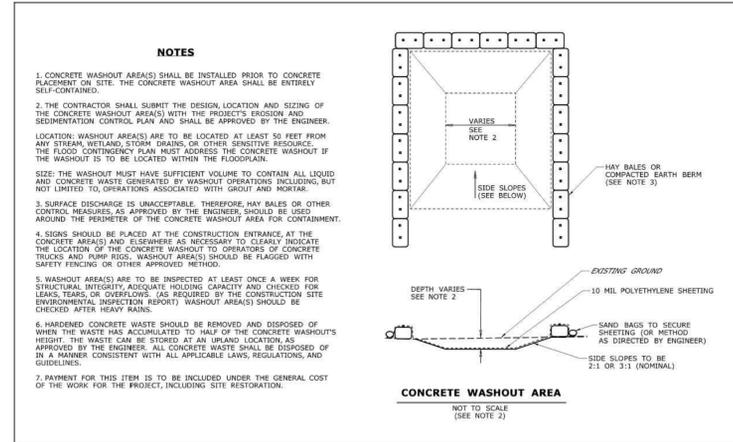
**NON-ENGINEERED TEMPORARY DIVERSION DITCH DETAIL**

N.T.S.



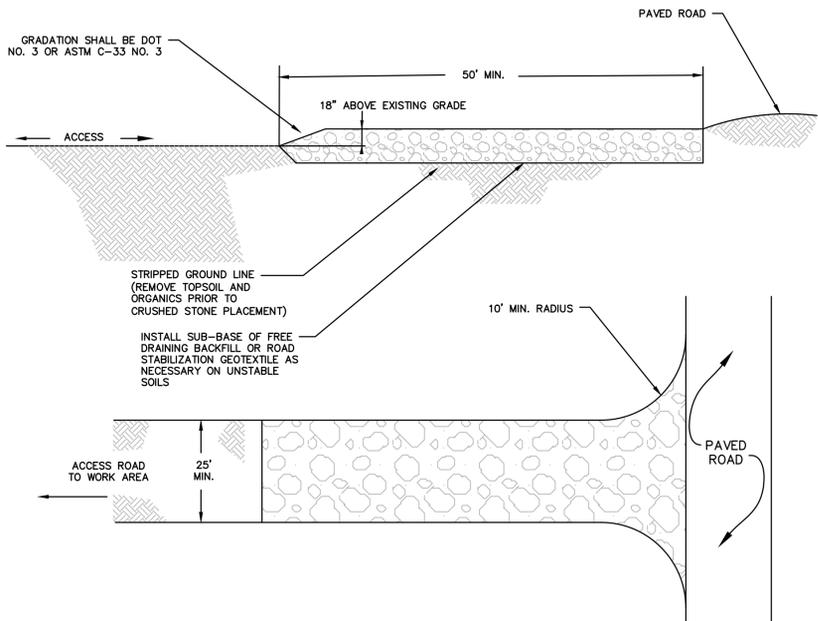
**EROSION CONTROL BLANKET ON FILL SLOPE**

N.T.S. BLEC-009



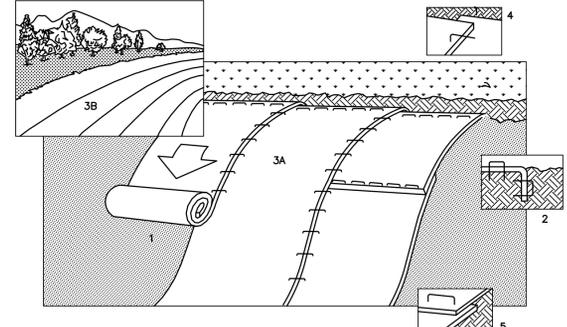
**CONCRETE WASH PIT**

N.T.S.



**CONSTRUCTION ENTRANCE**

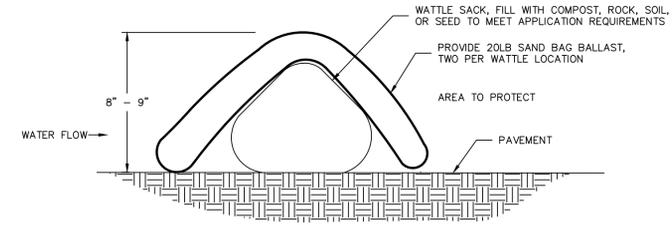
N.T.S. CT DEEP CE-2



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

**EROSION CONTROL BLANKET**

N.T.S. BLEC-010



**WATTLE BARRIER**

N.T.S.

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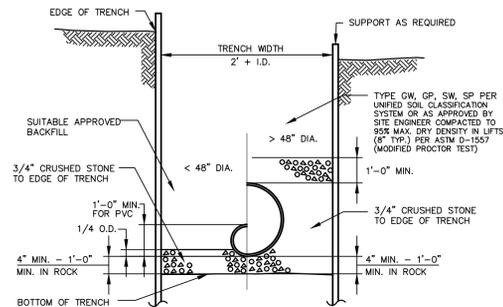
REVISIONS

No.	Date	Desc.
1.	03/11/2021	ISSUED FOR BID

Designed	C.J.L.
Drawn	C.J.L.
Reviewed	M.J.B.
Scale	NONE
Project No.	2001507
Date	02/19/2021
CAD File:	DN200150701

Title  
**SITE DETAILS**

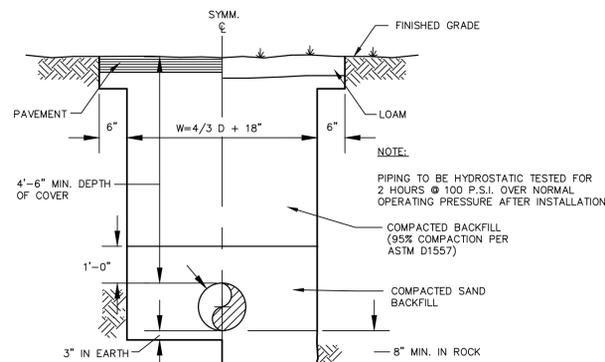
Sheet No.



**TYPICAL STORM SEWER TRENCH SECTION**

N.T.S.

BLDD-004

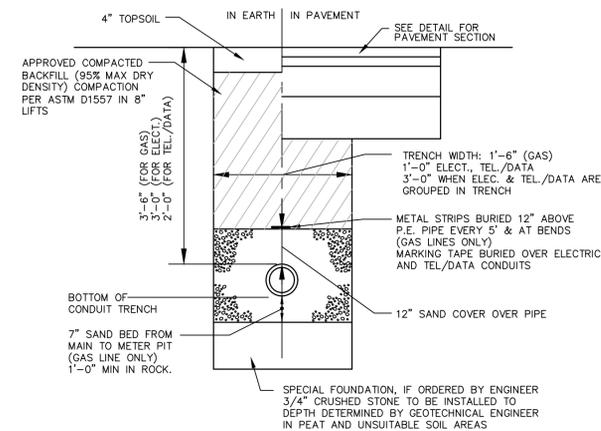


NOTE:  
FIRE LINE PIPING AND SERVICE PIPING > 3" I.D. TO BE CLASS 53 DUCTILE IRON WITH RESTRAINED JOINTS 40 FT. EACH SIDE OF ALL FITTINGS, ELBOWS AND APPURTENANCES. DOMESTIC PIPING < 3" I.D. TO BE TYPE K COPPER PER ASTM B 88.

**TYPICAL WATER MAIN AND SERVICE TRENCH DETAIL**

N.T.S.

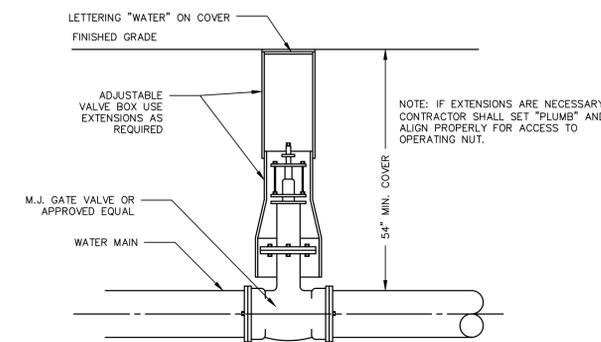
BLWD-005



**ELECTRICAL, TELEPHONE AND GAS TRENCH DETAIL**

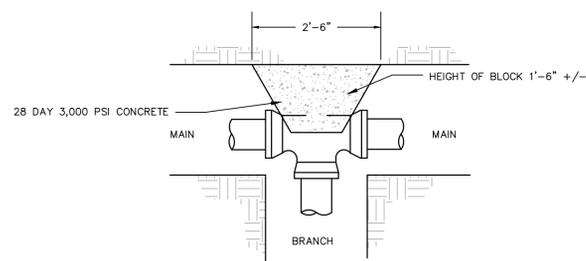
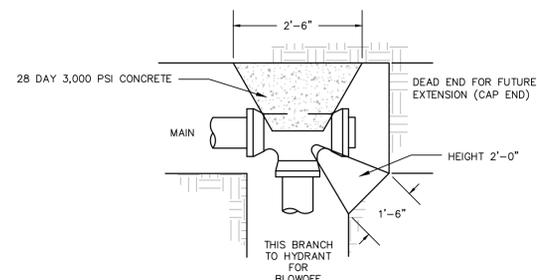
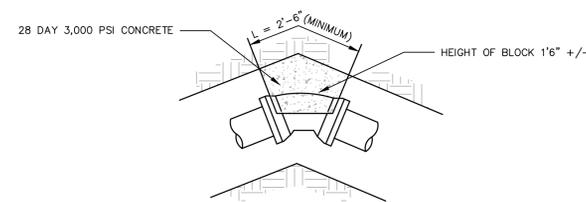
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BLUD-001



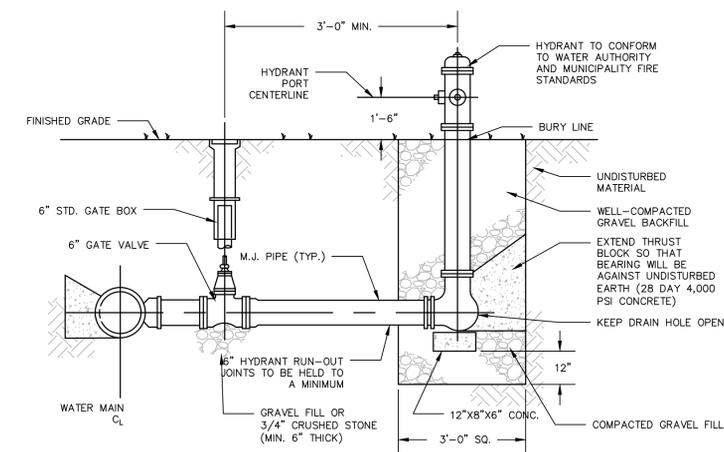
**TYPICAL GATE VALVE AND VALVE BOX DETAIL**

N.T.S.



**THRUST BLOCK FOR WATER LINES**

N.T.S.

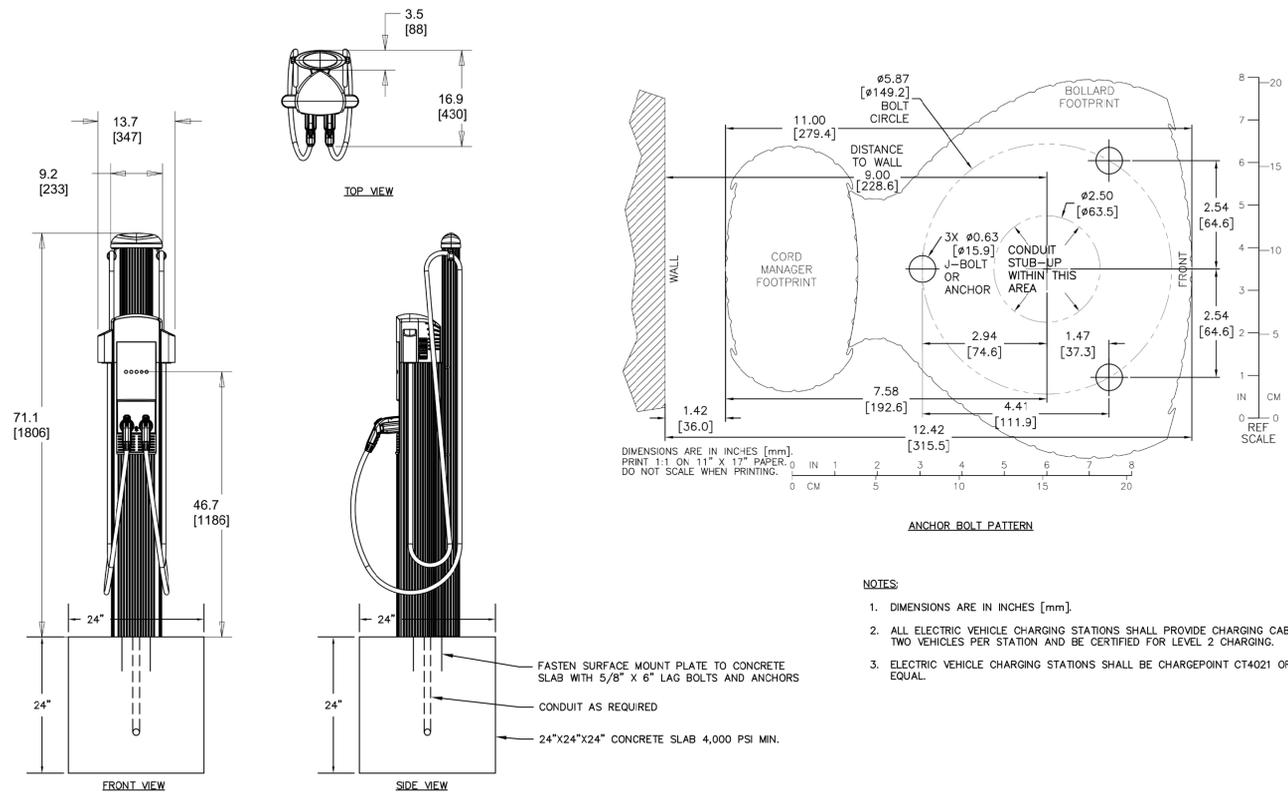


**FIRE HYDRANT WITH GATE VALVE AND BOX**

N.T.S.

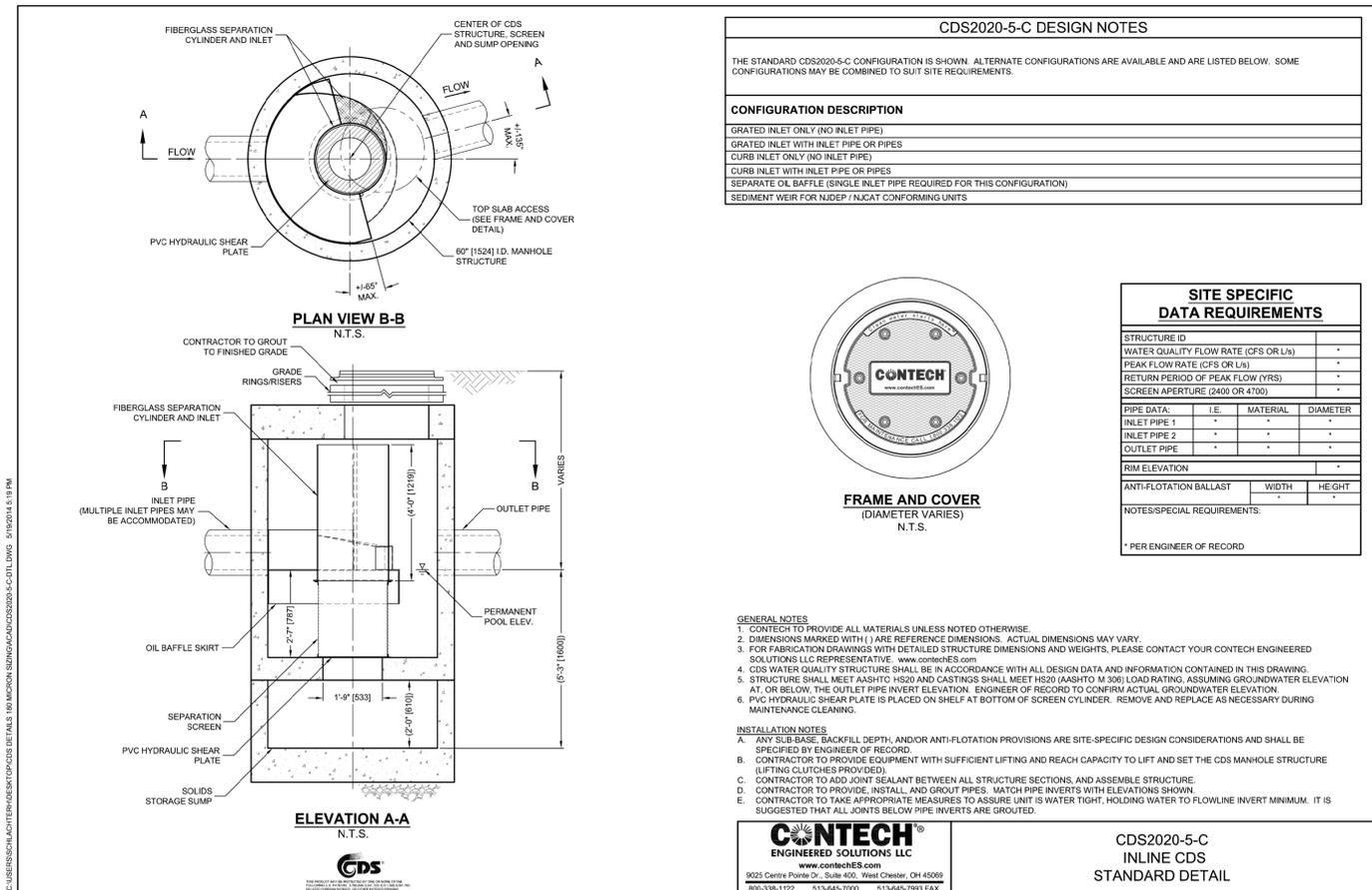
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**BOLLARD TYPE DUAL CABLE SET ELECTRIC VEHICLE CHARGING STATION**

N.T.S.



CDS2020-5-C  
INLINE CDS  
STANDARD DETAIL

**CDS2020-5-C HYDRODYNAMIC SEPARATOR**

N.T.S.

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REVISIONS

No.	Date	Desc.
1.	03/11/2021	ISSUED FOR BID

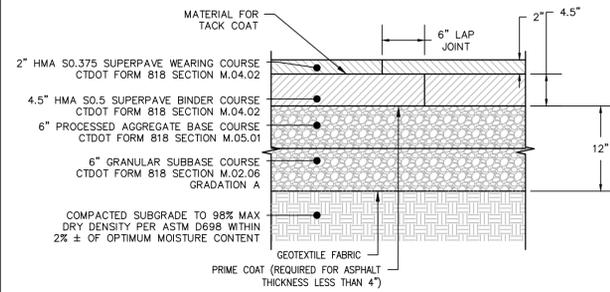
Designed	C.J.L.
Drawn	C.J.L.
Reviewed	M.J.B.
Scale	NONE
Project No.	2001507
Date	02/19/2021
CAD File:	DN200150701

Title

**SITE DETAILS**

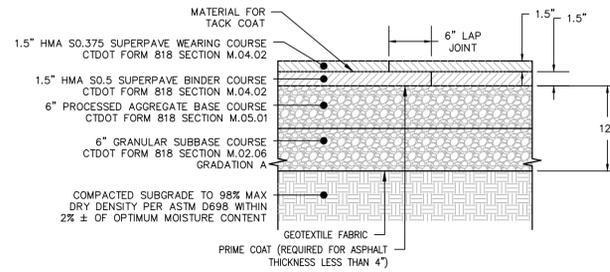
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**DN-4**



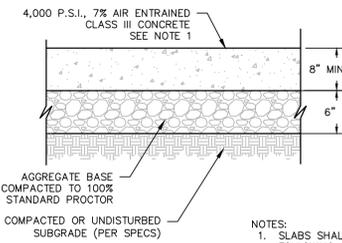
**ASPHALT PAVEMENT - HEAVY DUTY**

N.T.S



**ASPHALT PAVEMENT - STANDARD DUTY**

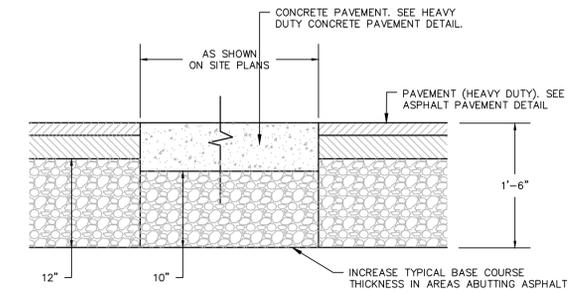
N.T.S



CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:  
 -SALT STORAGE CONCRETE PAD  
 -UTILITY STRUCTURE PAD  
 -PORTABLE GENERATOR CONCRETE PAD  
 -LINEHAUL DISPATCH CONCRETE PAD  
 -ELECTRICAL SWITCH GEAR CONCRETE PAD  
 -GAS UTILITY PADS  
 -CONCRETE LANDING PADS  
 -CONCRETE PAVEMENT PADS

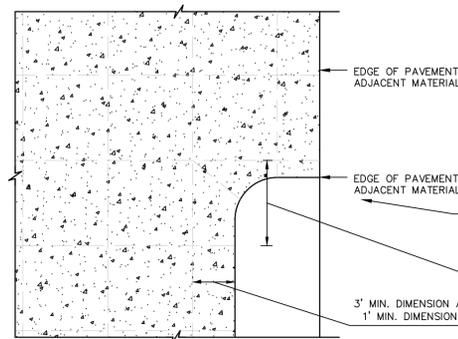
**CONCRETE PAVEMENT - HEAVY DUTY**

N.T.S



**CONCRETE/ASPHALT INTERFACE**

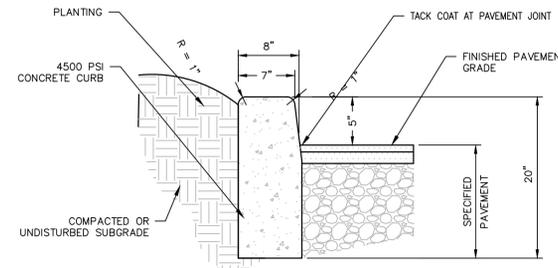
N.T.S



- JOINTING LAYOUT NOTES:**
1. JOINT SPACING SHOWN ON PLANS IS DIAGRAMMATIC AND IS MEANT TO DEMONSTRATE INTENT RATHER THAN EXACT LOCATIONS. CONTRACTOR SHALL LAYOUT JOINTS AS INDICATED IN THE DETAIL BELOW, AS SPECIFIED, AND HAS REQUIRED IN THE SEQUENCING OF WORK.
  2. PROVIDE 3' MIN. CONTROL JOINT SPACING AT HEAVY DUTY CONCRETE, PROVIDE 2' MINIMUM DUMMY JOINT SPACING AT CONCRETE SIDEWALK.
  3. PROVIDE EXPANSION JOINTS AT 150' MAX. O.C. SPACING FOR HEAVY DUTY CONCRETE, PROVIDE EXPANSION JOINTS AT 20' MAX. O.C. SPACING FOR CONCRETE SIDEWALK.
  4. REFER TO CONCRETE CURB - WITH GUTTER FOR JOINTING LOCATIONS PARALLEL TO THIS CURB TYPE.
- EDGE OF PAVEMENT/ ADJACENT MATERIAL  
 AVOID ACUTE ANGLED JOINTING >45° AT PAVEMENT EDGES. PROVIDE PERPENDICULAR JOINT AS SHOWN IF APPROPRIATE.  
 JOINTS AT 20' O.C. MAX. AT HEAVY DUTY CONCRETE  
 5' O.C. MAX. AT CONCRETE SIDEWALK  
 3' MIN. DIMENSION AT HEAVY DUTY CONCRETE  
 1' MIN. DIMENSION AT CONCRETE SIDEWALK

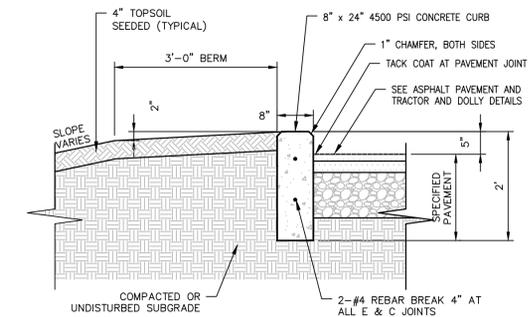
**CONCRETE JOINTING LAYOUT**

N.T.S



**CONCRETE CURB AT EMPLOYEE PARKING**

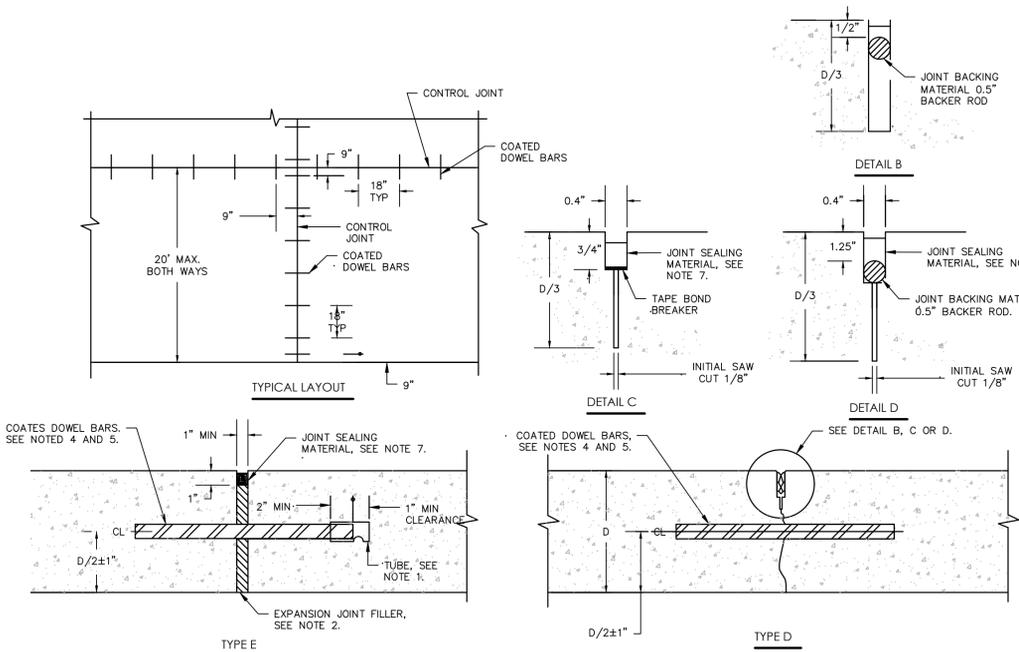
N.T.S



**CONCRETE CURB AT TRACTOR AND DOLLY PARKING**

N.T.S

FXG-02522-002



- JOINTING NOTES:**
1. PLACE A TUBE OVER THE LUBRICATED END OF ALL DOWEL BARS USED IN TYPE E JOINTS AND PROVIDE A MINIMUM 1" CLEARANCE POCKET ASSURED BY MEANS OF A POSITIVE SPACING DEVICE.
  2. CUT EXPANSION JOINT FILLER MATERIAL TO CONFORM TO THE CROSS SECTION OF THE PAVEMENT AND FURNISH IN STRIPS EQUAL TO THE WIDTH OF THE PAVEMENT SLAB. MAKE THE TOP SURFACE SMOOTH AND HAVE HOLES PUNCHED FOR THE DOWEL BARS PROVIDE A SNUG FIT WITHOUT LOSS IN THICKNESS OF THE MATERIAL.
  3. CONSTRUCT ALL JOINTS PERPENDICULAR TO THE CENTERLINE.
  4. USE MINIMUM NO. 6 (3/8"x18") LONG DOWEL BARS ALTERNATE DOWEL BARS HAVING EQUIVALENT PROPERTIES TO CONVENTIONAL ROUND DOWEL BARS MAY BE USED.
  5. PLACE DOWEL BARS PARALLEL TO THE CENTERLINE AND SURFACE OF THE SLAB.
  6. USE ONLY APPROVED NEOPRENE SEALS. INSTALL NEOPRENE SEALS TO A UNIFORM DEPTH WITH THE TOP OF THE SEAL FROM 1/4" TO 0.4" BELOW THE LEVEL OF THE PAVEMENT SURFACE. MAKE THE TOP EDGES OF THE CONTACT SURFACES ON BOTH SIDES OF THE SEAL AT THE SAME ELEVATION.
  7. MAKE THE TOP OF THE JOINT SEALING MATERIAL FROM 0.1" TO 1/4" BELOW THE SURFACE OF THE PAVEMENT. USE HEAT RESISTANT JOINT BACKING MATERIAL FOR HOT Poured JOINTS.
  8. THE INITIAL SAW CUT FOR TYPE D JOINT IS NOT REQUIRED FOR CONSTRUCTION JOINTS.
  9. SAW DEPTHS OF NEOPRENE SEALS:  

SEAL SIZE	SAW CUT DEPTHS
1"	1.85"-2"
1.25"	2"-2.1"
  10. ADJUST THE WIDTH OF THE SECOND SAW CUT ACCORDING TO THE SEAL SIZE AND PAVEMENT SURFACE TEMPERATURE AT THE TIME OF SAWING, AS FOLLOWS:  

SEAL SIZE	<60°F	60°F TO 80°F	>80°F
1"	3/8"	0.55"	1/2"
  11. WHEN SILICONE JOINT SEALING MATERIAL, USE HOT-MIX POLYMER OR LATEX MODIFIED ASPHALT SEALANT

**CONCRETE CONTROL JOINT**

N.T.S

NOT FOR CONSTRUCTION  
FOR PERMITTING PURPOSES ONLY







