

# HUDSON LOGISTICS CENTER SITE PLAN & WETLANDS CONDITIONAL USE APPLICATIONS

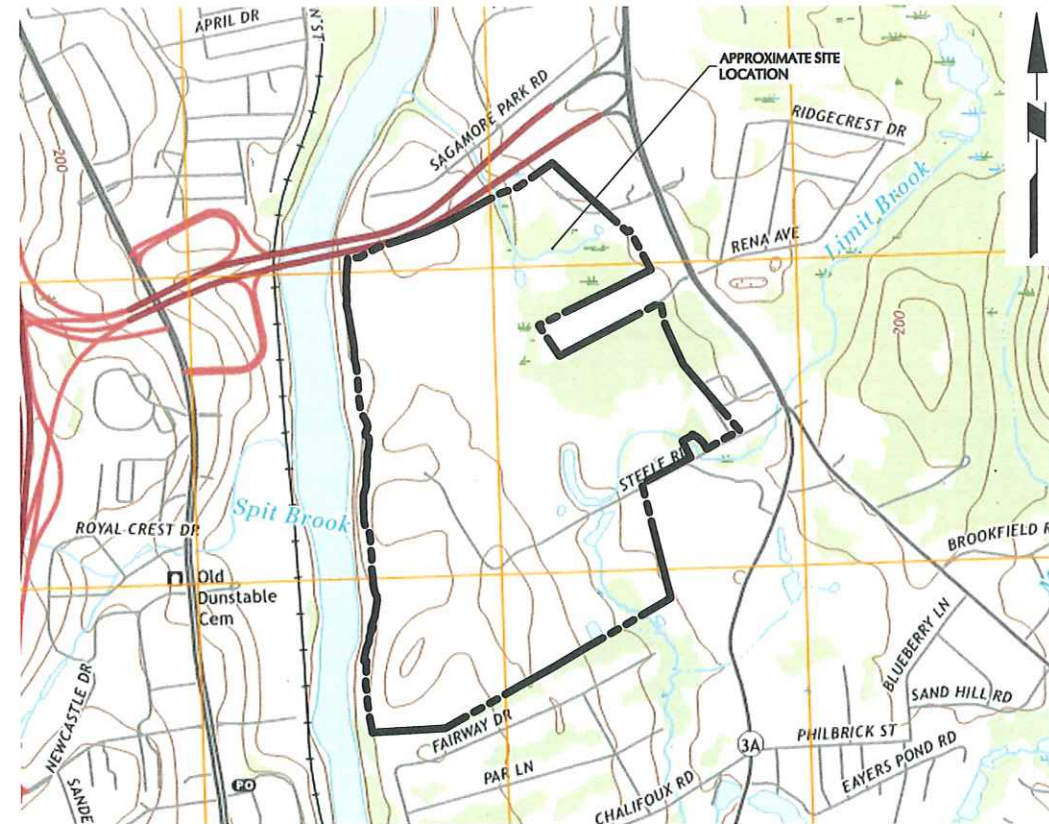
LOWELL ROAD  
MAP 239, LOT 1

TOWN OF HUDSON, HILLSBOROUGH COUNTY, NEW HAMPSHIRE

RELEASE DATES	
DATE	ISSUED FOR
04-21-2020	SITE PLAN APPLICATION SUBMISSION
05-21-2020	SUPPLEMENTAL PLANNING & ZONING SUBMISSION
05-29-2020	AOT PERMIT SUBMISSION
09-04-2020	NHDES DREDGE & FILL PERMIT RESPONSE
09-14-2020	AOT COMMENT RESPONSE
11-30-2020	CON. COMM./PLANNING BOARD COMMENT RESPONSE
12-30-2020	CON. COMM./PLANNING BOARD COMMENT RESPONSE

**OWNER'S SIGNATURE**  
 NATHAN KIRSCHNER *[Signature]* DATE 12/30/2020  
 ON BEHALF OF THE OWNER, AND IN ACCORDANCE WITH THE  
 OWNER'S AUTHORIZATION MEMO, DATED APRIL 16, 2020.

NOTE: DRAWING INDEX LOCATED ON SHEET CS001



MAP REFERENCE: USGS NASHUA SOUTH QUADRANGLE MAP 2018 (7.5-MINUTE SERIES)

### LOCATION MAP

SCALE: 1" = 1000'

### ABUTTING PROPERTY OWNERS WITHIN 100'

MAP	LOT	PROPERTY OWNER	PROPERTY LOCATION	MAP	LOT	PROPERTY OWNER	PROPERTY LOCATION
228	1	MRJ REALTY TRUST	261 LOWELL ROAD	245	13	JOHN KING	21 FAIRWAY DRIVE
		261 LOWELL ROAD				21 FAIRWAY DRIVE	
		HUDSON, NH 03051				HUDSON, NH 03051	
246	38	SCOTT M UBELE	7 FAIRWAY DRIVE	246	36	SURRI D SAKATI	11 FAIRWAY DRIVE
		7 FAIRWAY DRIVE				11 FAIRWAY DRIVE	
		HUDSON, NH 03051				HUDSON, NH 03051	
245	17	TIMOTHY A MONK	13 FAIRWAY DRIVE	246	39	CHRISTOPHER D MULLIGAN	5 FAIRWAY DRIVE
		13 FAIRWAY DRIVE				5 FAIRWAY DRIVE	
		HUDSON, NH 03051				HUDSON, NH 03051	
240	13	VINCENT F BRACCIO	27 RIVER ROAD	240	5	BRIAN C NOONE	10 EAGLE DRIVE
		27 RIVER ROAD				10 EAGLE DRIVE	
		HUDSON, NH 03051				HUDSON, NH 03051	
240	1	JOANNE E WALSH	2 EAGLE DRIVE	246	41	SCOTT J WADE	1 FAIRWAY DRIVE
		2 EAGLE DRIVE				1 FAIRWAY DRIVE	
		HUDSON, NH 03051				HUDSON, NH 03051	
245	14	LEONARD J LEONE	19 FAIRWAY DRIVE	240	2	JAMES M DOBENS	4 EAGLE DRIVE
		19 FAIRWAY DRIVE				4 EAGLE DRIVE	
		HUDSON, NH 03051				HUDSON, NH 03051	
240	13-1	DWARKAMA, INC	33 RIVER ROAD	234	5	GREENMEADOW GOLF CLUB INC	11 STEELE ROAD
		1167 LAKEWOOD CIRCLE				55 MARSH ROAD	
		NAPERVILLE, IL 60540				HUDSON, NH 03051	
234	1	STEELE FARM, LLC	9 RIVER ROAD	245	5	RICHARD R LEBOURDAIS	23 FAIRWAY DRIVE
		2 FRIEL GOLF ROAD				HUDSON, NH 03051	
		HUDSON, NH 03051				23 FAIRWAY DRIVE	
240	4	JONATHAN FONTAINE	8 EAGLE DRIVE	234	9	PETER R GOYETTE	6 LINDA STREET
		8 EAGLE DRIVE				2 DRACUT ROAD	
		HUDSON, NH 03051				HUDSON, NH 03051	
246	40	WILLIAM H MARSCH	3 FAIRWAY DRIVE	234	11	SEAN P STEVENS	10 LINDA STREET
		3 FAIRWAY DRIVE				10 LINDA STREET	
		HUDSON, NH 03051				HUDSON, NH 03051	
234	35	267 LOWELL ROAD HUDSON, LLC	267 LOWELL ROAD	234	34	THOMAS P FRIEL	273 LOWELL ROAD
		200 US ROUTE ONE SUITE 200				55 MARSH ROAD	
		SCARBOROUGH, ME 04070				HUDSON, NH 03051	
228	4	SAM'S RE BUSINESS TRUST	7 WAL-MART BOULEVARD	234	6	GREENMEADOW GOLF CLUB INC	15 STEELE ROAD
		PO BOX 8050 MS 0555				55 MARSH ROAD	
		BENTONVILLE, AR 72716				HUDSON, NH 03051	
246	37	DAVID R GOSSELIN	9 FAIRWAY DRIVE	234	8	J SCOTT DESROCHES	4 LINDA STREET
		9 FAIRWAY DRIVE				288 DERRY ROAD	
		HUDSON, NH 03051				HUDSON, NH 03051	
240	6	JOSEPH M DIPILATO	12 EAGLE DRIVE	234	7	KENNETH MURPHY	2 LINDA STREET
		12 EAGLE DRIVE				2 LINDA STREET	
		HUDSON, NH 03051				HUDSON, NH 03051	
245	16	PHILLIP G VOLK	15 FAIRWAY DRIVE	234	10	DAVID R DUNN	8 LINDA STREET
		15 FAIRWAY DRIVE				8 LINDA STREET	
		HUDSON, NH 03051				HUDSON, NH 03051	
240	3	CRAIG C PROULX	6 EAGLE DRIVE	245	15	ROBERT COSTELLO	17 FAIRWAY DRIVE
		6 EAGLE DRIVE				17 FAIRWAY DRIVE	
		HUDSON, NH 03051				HUDSON, NH 03051	

**OWNER**  
 GREENMEADOW GOLF CLUB, INC.  
 C/O THOMAS FRIEL  
 55 MARSH ROAD  
 HUDSON, NH 03051

**APPLICANT**  
 HILLWOOD  
 C/O JUSTIN DUNN  
 5050 W. TILGHMAN STREET  
 SUITE 435  
 ALLENTOWN, PA 18104  
 (410) 596-3665

**ARCHITECT**  
 WARE MALCOMB  
 C/O MARK BARTOLONE  
 4683 CHABOT DRIVE #300  
 PLEASANTON, CA 94588  
 (925) 244-9620

**CIVIL ENGINEER, TRAFFIC ENGINEER,  
 ENVIRONMENTAL ENGINEER, GEOTECHNICAL  
 ENGINEER & LANDSCAPE ARCHITECT**  
 LANGAN ENGINEERING & ENVIRONMENTAL  
 SERVICES, INC  
 C/O NATHAN KIRSCHNER  
 888 BOYLSTON STREET  
 BOSTON, MA 02116  
 (617) 824-9100

**LAND SURVEYOR**  
 HAYNER/SWANSON, INC.  
 C/O JAMES PETROPULOS  
 3 CONGRESS STREET  
 NASHUA, NH 03062  
 (603) 883-2057

**WETLANDS & NATURAL RESOURCES**  
 GOVE ENVIRONMENTAL SERVICES  
 C/O BRENDAN QUIGLEY  
 8 CONTINENTAL DRIVE, BLDG 2, UNIT H  
 EXETER, NH 03833  
 (603) 778-0644

### APPROVAL BLOCK

APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_

PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
 PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_

SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF THE PLANNING BOARD  
 MEETING FINAL APPROVAL. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD  
 MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

PURSUANT TO THE  
 REGULATIONS OF  
 THE HUDSON  
 PLANNING BOARD,  
 THE SITE PLAN  
 APPROVAL  
 GRANTED HEREIN  
 EXPIRES ONE YEAR  
 FROM DATE OF  
 APPROVAL.

FOR PERMITTING ONLY, NOT FOR CONSTRUCTION

**LANGAN**

### CIVIL DRAWING INDEX

SHEET NUMBER	DRAWING TITLE	DATE	LAST REVISED
CS002	COVER SHEET	04-21-2020	11-30-2020
CS003	SHEET INDEX	04-21-2020	11-30-2020
---	MASTER LEGEND & NOTES	04-21-2020	09-14-2020
---	ALTA/NSPS LAND TITLE SURVEY (SHEET 1 OF 5)	01-13-2020	02-18-2020
---	ALTA/NSPS LAND TITLE SURVEY (SHEET 2 OF 5)	01-13-2020	02-18-2020
---	ALTA/NSPS LAND TITLE SURVEY (SHEET 3 OF 5)	01-13-2020	02-18-2020
---	ALTA/NSPS LAND TITLE SURVEY (SHEET 4 OF 5)	01-13-2020	02-18-2020
---	ALTA/NSPS LAND TITLE SURVEY (SHEET 5 OF 5)	01-13-2020	02-18-2020
CS101	SITE PLAN I	04-21-2020	09-14-2020
CS102	SITE PLAN II	04-21-2020	11-30-2020
CS103	SITE PLAN III	04-21-2020	11-30-2020
CS104	SITE PLAN IV	04-21-2020	09-14-2020
CS105	SITE PLAN V	04-21-2020	09-14-2020
CS106	SITE PLAN VI	04-21-2020	09-14-2020
CS107	SITE PLAN VII	04-21-2020	11-30-2020
CS108	SITE PLAN VIII	04-21-2020	11-30-2020
CS109	SITE PLAN IX	04-21-2020	11-30-2020
CS110	SITE PLAN X	04-21-2020	09-14-2020
CS111	SITE PLAN XI	04-21-2020	09-14-2020
CS112	SITE PLAN XII	04-21-2020	11-30-2020
CS113	SITE PLAN XIII	04-21-2020	09-14-2020
CS114	SITE PLAN XIV	04-21-2020	09-14-2020
CS115	SITE PLAN XV	04-21-2020	11-30-2020
CS116	SITE PLAN XVI	04-21-2020	11-30-2020
CS117	SITE PLAN XVII	04-21-2020	11-30-2020
CS118	SITE PLAN XVIII	04-21-2020	11-30-2020
CS119	SITE PLAN XIX	04-21-2020	11-30-2020
CS120	SITE PLAN XX	04-21-2020	11-30-2020
CS121	SITE PLAN XXI	04-21-2020	09-14-2020
CS122	SITE PLAN XXII	04-21-2020	09-14-2020
CS123	SITE PLAN XXIII	04-21-2020	09-14-2020
CS124	SITE PLAN XXIV	04-21-2020	09-14-2020
CS125	SITE PLAN XXV	04-21-2020	11-30-2020
CS126	SITE PLAN XXVI	04-21-2020	09-14-2020
CS127	SITE PLAN XXVII	04-21-2020	11-30-2020
CS128	SITE PLAN XXVIII	04-21-2020	09-14-2020
CS129	SITE PLAN XXIX	04-21-2020	11-30-2020
CS501	SITE DETAILS I	04-21-2020	09-14-2020
CS502	SITE DETAILS II	04-21-2020	09-14-2020
CS503	SITE DETAILS III	04-21-2020	09-14-2020
CS504	SITE DETAILS IV	04-21-2020	09-14-2020
CG100	OVERALL GRADING & DRAINAGE PLAN	04-21-2020	11-30-2020
CG102	GRADING & DRAINAGE PLAN II	04-21-2020	09-14-2020
CG103	GRADING & DRAINAGE PLAN III	04-21-2020	09-14-2020
CG104	GRADING & DRAINAGE PLAN IV	04-21-2020	09-14-2020
CG105	GRADING & DRAINAGE PLAN V	04-21-2020	09-14-2020
CG106	GRADING & DRAINAGE PLAN VI	04-21-2020	09-14-2020
CG107	GRADING & DRAINAGE PLAN VII	11-30-2020	
CG108	GRADING & DRAINAGE PLAN VIII	11-30-2020	
CG110	GRADING & DRAINAGE PLAN X	04-21-2020	09-14-2020
CG111	GRADING & DRAINAGE PLAN XI	04-21-2020	09-14-2020
CG112	GRADING & DRAINAGE PLAN XII	04-21-2020	09-14-2020
CG115	GRADING & DRAINAGE PLAN XV	11-30-2020	
CG116	GRADING & DRAINAGE PLAN XVI	04-21-2020	11-30-2020
CG117	GRADING & DRAINAGE PLAN XVII	04-21-2020	11-30-2020
CG118	GRADING & DRAINAGE PLAN XVIII	04-21-2020	11-30-2020
CG119	GRADING & DRAINAGE PLAN XIX	04-21-2020	11-30-2020
CG120	GRADING & DRAINAGE PLAN XX	04-21-2020	11-30-2020
CG121	GRADING & DRAINAGE PLAN XXI	04-21-2020	09-14-2020
CG122	GRADING & DRAINAGE PLAN XXII	04-21-2020	09-14-2020
CG123	GRADING & DRAINAGE PLAN XXIII	04-21-2020	09-14-2020
CG124	GRADING & DRAINAGE PLAN XXIV	04-21-2020	09-14-2020
CG125	GRADING & DRAINAGE PLAN XXV	04-21-2020	09-14-2020
CG126	GRADING & DRAINAGE PLAN XXVI	04-21-2020	09-14-2020
CG127	GRADING & DRAINAGE PLAN XXVII	04-21-2020	09-14-2020
CG128	GRADING & DRAINAGE PLAN XXVIII	04-21-2020	09-14-2020
CG129	GRADING & DRAINAGE PLAN XXIX	04-21-2020	09-14-2020
CG200	OVERALL SUB-GRADE DRAINAGE PLAN	09-04-2020	09-14-2020
CG201	SUB-GRADE DRAINAGE PLAN I	09-04-2020	09-14-2020
CG202	SUB-GRADE DRAINAGE PLAN II	09-04-2020	09-14-2020
CG203	SUB-GRADE DRAINAGE PLAN III	09-04-2020	09-14-2020
CG204	SUB-GRADE DRAINAGE PLAN IV	09-04-2020	09-14-2020
CG501	GRADING & DRAINAGE DETAILS I	04-21-2020	09-14-2020
CG502	GRADING & DRAINAGE DETAILS II	04-21-2020	09-14-2020
CG503	GRADING & DRAINAGE DETAILS III	04-21-2020	09-14-2020
CG504	GRADING & DRAINAGE DETAILS IV	04-21-2020	09-14-2020
FG01	WETLAND IMPACT PLAN	04-15-2020	11-30-2020
CU100	OVERALL UTILITY PLAN	04-21-2020	11-30-2020
CU102	UTILITY PLAN II	08-01-2020	09-14-2020
CU103	UTILITY PLAN III	08-01-2020	09-14-2020
CU104	UTILITY PLAN IV	04-21-2020	09-14-2020
CU105	UTILITY PLAN V	04-21-2020	09-14-2020
CU107	UTILITY PLAN VII	11-30-2020	
CU108	UTILITY PLAN VIII	11-30-2020	

### CONCURRENT PLAN SETS AND PERMIT APPLICATIONS

- THE FOLLOWING PLAN SETS WERE SUBMITTED CONCURRENTLY FOR THIS PROJECT:
  - TOPOGRAPHIC SUBDIVISION PLAN - GREEN MEADOW DRIVE SET PREPARED BY HAYNER/SWANSON INC., DATED 04-21-2020, AND REVISED 07-13-2020.
  - MASTER PLAN - GREEN MEADOW DRIVE SET PREPARED BY HAYNER/SWANSON INC., DATED 04-21-2020, AND REVISED 07-13-2020.
- THE FOLLOWING PERMITS AND APPROVALS ARE BEING PURSUED FOR THIS PROJECT:
  - LOCAL PERMITS
    - HUDSON CONSERVATION COMMISSION WETLANDS RECOMMENDATION TO THE HUDSON PLANNING BOARD (CH. 334)
    - HUDSON PLANNING BOARD APPROVAL - SUBDIVISION (CH. 289)
    - HUDSON PLANNING BOARD APPROVAL - WETLANDS C.U.P. (CH. 334)
    - HUDSON PLANNING BOARD APPROVAL - SITE PLAN (CH. 275)
    - HUDSON PLANNING BOARD APPROVAL - STORMWATER MANAGEMENT PLAN (CH. 290)
    - WATER & SEWER PEER REVIEW SIGNOFF
    - SEWER USE DISTRICT TIE-IN APPROVAL (CH. 270)
    - SEWER USE ALLOCATION APPROVAL (CH. 270)
    - STEEL ROAD RELOCATION APPROVAL (IF NECESSARY)
    - NONRESIDENTIAL SEWER CONNECTION PERMIT
    - WATER SERVICE CONNECTION PERMIT (CH. 274)
    - WATER LINE EXTENSION APPROVAL/AGREEMENT (CH. 274)
    - PEER REVIEW (CIVIL, STORMWATER)
    - TRAFFIC PIER REVIEW
    - STREET OPENING PERMIT (CH. 284)
    - DRIVEWAY PERMIT (CH. 193)
  - REGIONAL PERMITS
    - LOWER MERRIMACK RIVER LOCAL ADVISORY COMMITTEE
  - NHDT APPROVALS
    - ACCESS PERMITS
    - SIGNALIZATION PERMIT
  - NHDES APPROVALS
    - AIR POLLUTION CONTROL PERMIT
    - DREDGE & FILL PERMIT
    - ALTERATION OF TERRAIN PERMIT
    - SEWER CONNECTION PERMIT
  - OTHER STATE APPROVALS
    - NATURAL HERITAGE BUREAU
    - NEW HAMPSHIRE FISH & GAME
  - FEDERAL APPROVALS
    - ARMY CORP
    - EPA FEDERAL NPDES PERMIT

### ARCHITECTURAL DRAWING INDEX

SHEET NUMBER	DRAWING TITLE	DATE	LAST REVISED
AD.1	LOT A - TITLE SHEET	09-23-2020	
A1.0	LOT A - OVERALL FLOOR PLAN - GROUND LEVEL	09-23-2020	
A1.1	LOT A - PARTIAL FLOOR PLAN - GROUND LEVEL - ZONE A	09-23-2020	
A4.1	LOT A - EAST BUILDING ELEVATION	11-13-2020	
A4.2	LOT A - SOUTH BUILDING ELEVATION	09-23-2020	
A4.3	LOT A - WEST BUILDING ELEVATION	09-23-2020	
A4.4	LOT A - NORTH BUILDING ELEVATION	09-23-2020	
AD.1	LOT B - TITLE SHEET	08-28-2020	
A1.0	LOT B - OVERALL FLOOR PLAN - GROUND LEVEL	10-08-2020	
A4.1	LOT B - EAST BUILDING ELEVATION	10-08-2020	
A4.2	LOT B - NORTH/SOUTH BUILDING ELEVATION	08-28-2020	
A4.3	LOT B - WEST BUILDING ELEVATION	10-08-2020	
A4.4	LOT B - EXTERIOR ELEVATIONS - COLOR SCHEDULE	08-28-2020	
A1.0	LOT C - OVERALL FLOOR PLAN - GROUND LEVEL	11-27-2020	
A4.1	LOT C - EAST BUILDING ELEVATION	11-27-2020	
A4.2	LOT C - NORTH/SOUTH BUILDING ELEVATION	11-27-2020	
A4.3	LOT C - WEST BUILDING ELEVATION	04-20-2020	

SHEET NUMBER	DRAWING TITLE	DATE	LAST REVISED
CU110	UTILITY PLAN X	04-21-2020	09-14-2020
CU111	UTILITY PLAN XI	04-21-2020	09-14-2020
CU115	UTILITY PLAN XV	11-30-2020	
CU116	UTILITY PLAN XVI	04-21-2020	11-30-2020
CU117	UTILITY PLAN XVII	04-21-2020	11-30-2020
CU118	UTILITY PLAN XVIII	04-21-2020	09-14-2020
CU119	UTILITY PLAN XIX	04-21-2020	09-14-2020
CU121	UTILITY PLAN XXI	04-21-2020	09-14-2020
CU122	UTILITY PLAN XXII	04-21-2020	09-14-2020
CU123	UTILITY PLAN XXIII	04-21-2020	09-14-2020
CU126	UTILITY PLAN XXVI	04-21-2020	09-14-2020
CU127	UTILITY PLAN XXVII	04-21-2020	09-14-2020
CU128	UTILITY PLAN XXVIII	04-21-2020	09-14-2020
CU129	UTILITY PLAN XXIX	08-01-2020	09-14-2020
CU501	UTILITY DETAILS I	11-30-2020	
CU502	UTILITY DETAILS II	04-21-2020	09-14-2020
CU503	UTILITY DETAILS III	04-21-2020	09-14-2020
CE101	SOIL EROSION & SEDIMENT CONTROL PLAN I (PHASE 1)	04-21-2020	11-30-2020
CE102	SOIL EROSION & SEDIMENT CONTROL PLAN II (PHASE 1)	04-21-2020	11-30-2020
CE103	SOIL EROSION & SEDIMENT CONTROL PLAN III (PHASE 1)	04-21-2020	11-30-2020
CE104	SOIL EROSION & SEDIMENT CONTROL PLAN IV (PHASE 1)	04-21-2020	11-30-2020
CE201	SOIL EROSION & SEDIMENT CONTROL PLAN I (PHASE 2)	04-21-2020	11-30-2020
CE202	SOIL EROSION & SEDIMENT CONTROL PLAN II (PHASE 2)	04-21-2020	11-30-2020
CE203	SOIL EROSION & SEDIMENT CONTROL PLAN III (PHASE 2)	04-21-2020	11-30-2020
CE204	SOIL EROSION & SEDIMENT CONTROL PLAN IV (PHASE 2)	04-21-2020	11-30-2020
CE301	SOIL EROSION & SEDIMENT CONTROL PLAN I (PHASE 3)	04-21-2020	11-30-2020
CE302	SOIL EROSION & SEDIMENT CONTROL PLAN II (PHASE 3)	04-21-2020	11-30-2020
CE303	SOIL EROSION & SEDIMENT CONTROL PLAN III (PHASE 3)	04-21-2020	11-30-2020
CE304	SOIL EROSION & SEDIMENT CONTROL PLAN IV (PHASE 3)	04-21-2020	11-30-2020
CE501	SOIL EROSION & SEDIMENT CONTROL DETAILS I	04-21-2020	09-14-2020
CE502	SOIL EROSION & SEDIMENT CONTROL DETAILS II	04-21-2020	09-14-2020
CE503	SOIL EROSION & SEDIMENT CONTROL DETAILS III	09-04-2020	09-14-2020
LL100	OVERALL LIGHTING PLAN	04-21-2020	11-30-2020
LL103	LIGHTING PLAN III	04-21-2020	09-14-2020
LL104	LIGHTING PLAN IV	04-21-2020	09-14-2020
LL105	LIGHTING PLAN V	04-21-2020	09-14-2020
LL107	LIGHTING PLAN VII	11-30-2020	
LL108	LIGHTING PLAN VIII	11-30-2020	
LL110	LIGHTING PLAN X	04-21-2020	09-14-2020
LL111	LIGHTING PLAN XI	04-21-2020	09-14-2020
LL115	LIGHTING PLAN XV	11-30-2020	
LL116	LIGHTING PLAN XVI	04-21-2020	11-30-2020
LL117	LIGHTING PLAN XVII	04-21-2020	11-30-2020
LL118	LIGHTING PLAN XVIII	04-21-2020	11-30-2020
LL119	LIGHTING PLAN XIX	04-21-2020	09-14-2020
LL120	LIGHTING PLAN XX	04-21-2020	09-14-2020
LL121	LIGHTING PLAN XXI	04-21-2020	09-14-2020
LL122	LIGHTING PLAN XXII	04-21-2020	09-14-2020
LL123	LIGHTING PLAN XXIII	04-21-2020	09-14-2020
LL125	LIGHTING PLAN XXV	04-21-2020	09-14-2020
LL126	LIGHTING PLAN XXVI	04-21-2020	09-14-2020
LL127	LIGHTING PLAN XXVII	04-21-2020	09-14-2020
LL128	LIGHTING PLAN XXVIII	04-21-2020	09-14-2020
LL501	LIGHTING NOTES & DETAILS I	04-21-2020	09-14-2020
LL502	LIGHTING NOTES & DETAILS II	04-21-2020	09-14-2020
LL503	LIGHTING NOTES & DETAILS III	08-01-2020	09-14-2020
LP100	OVERALL PLANTING PLAN	04-21-2020	12-30-2020
LP103	LANDSCAPE PLANTING PLAN III	04-21-2020	12-30-2020
LP104	LANDSCAPE PLANTING PLAN IV	04-21-2020	12-30-2020
LP105	LANDSCAPE PLANTING PLAN V	04-21-2020	12-30-2020
LP106	LANDSCAPE PLANTING PLAN VI	04-21-2020	12-30-2020
LP107	LANDSCAPE PLANTING PLAN VII	11-30-2020	12-30-2020
LP108	LANDSCAPE PLANTING PLAN VIII	11-30-2020	12-30-2020
LP110	LANDSCAPE PLANTING PLAN X	04-21-2020	12-30-2020
LP112	LANDSCAPE PLANTING PLAN XII	04-21-2020	12-30-2020
LP114	LANDSCAPE PLANTING PLAN XIV	04-21-2020	12-30-2020
LP115	LANDSCAPE PLANTING PLAN XV	04-21-2020	12-30-2020
LP116	LANDSCAPE PLANTING PLAN XVI	04-21-2020	12-30-2020
LP117	LANDSCAPE PLANTING PLAN XVII	04-21-2020	12-30-2020
LP118	LANDSCAPE PLANTING PLAN XVIII	04-21-2020	12-30-2020
LP119	LANDSCAPE PLANTING PLAN XIX	04-21-2020	12-30-2020
LP120	LANDSCAPE PLANTING PLAN XX	04-21-2020	12-30-2020
LP122	LANDSCAPE PLANTING PLAN XXII	04-21-2020	12-30-2020
LP123	LANDSCAPE PLANTING PLAN XXIII	04-21-2020	12-30-2020
LP125	LANDSCAPE PLANTING PLAN XXV	04-21-2020	12-30-2020
LP126	LANDSCAPE PLANTING PLAN XXVI	04-21-2020	12-30-2020
LP127	LANDSCAPE PLANTING PLAN XXVII	04-21-2020	12-30-2020
LP128	LANDSCAPE PLANTING PLAN XXVIII	04-21-2020	12-30-2020
LP129	LANDSCAPE PLANTING PLAN XXIX	04-21-2020	12-30-2020
LP501	LANDSCAPE NOTES & DETAILS I	04-21-2020	12-30-2020
LP502	LANDSCAPE NOTES & DETAILS II	12-30-2020	

Date	Description	No.
12/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	5
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
09/14/20	AOT COMMENT RESPONSE	3
09/04/20	NHDES DREDGE & FILL PERMIT RESPONSE	2
05/21/20	SUPPLEMENTAL P&Z SUBMISSION	1

Revisions

JOHN D. PLANTE  
NH P.E. Lic. No. 14072

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Boston, MA 02199  
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Project

**HUDSON LOGISTICS CENTER**

MAP No. 239, LOT No. 1  
HUDSON

HILLSBOROUGH NEW HAMPSHIRE

Drawing Title

**SHEET INDEX**

Project No.	1510101	Drawing No.	<b>CS002</b>
Date	04-21-2020		
Drawn By	CLR		
Checked By	NLK		

**APPROVAL BLOCK**

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

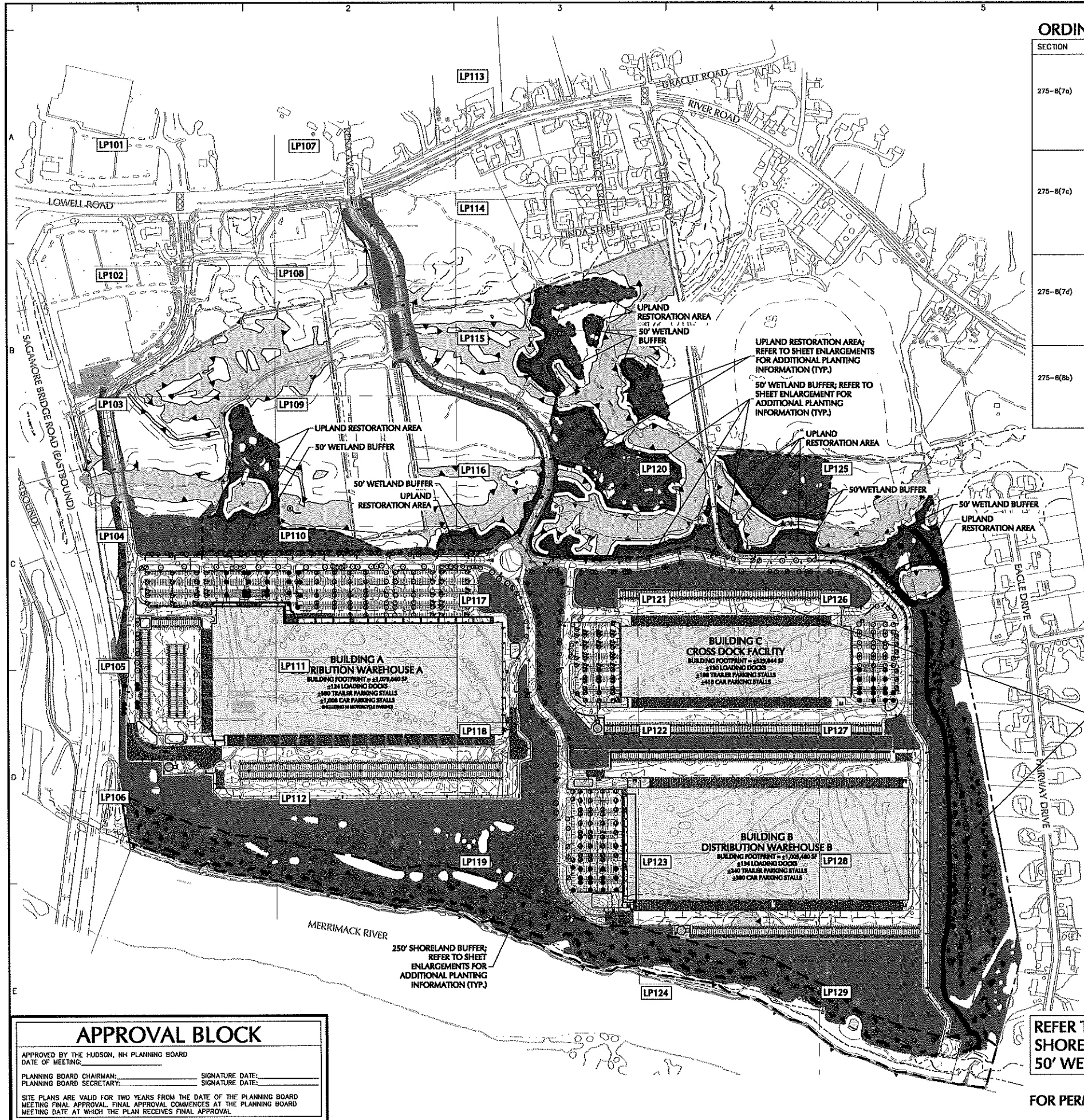
PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_

SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF THE PLANNING BOARD MEETING FINAL APPROVAL. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

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Project No. 151010101

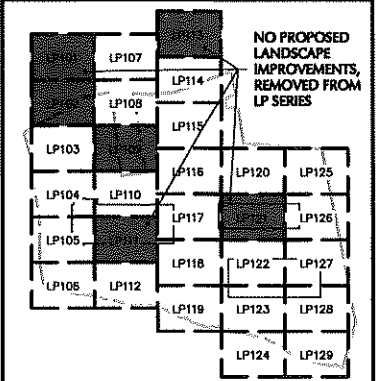
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**ORDINANCE COMPLIANCE CHART**

SECTION	REQUIRED/ PERMITTED	PROVIDED/ PROPOSED	COMPLIANCE
275-B(7a)	A MINIMUM OF 10% OF THE INTERIOR OF A PARKING LOT SHALL BE SET ASIDE FOR LANDSCAPING AREAS EXCLUSIVE OF PAVED PEDESTRIAN SURFACES.	BUILDING A- TOTAL AREA: 429,082 SQ FT INTERIOR LANDSCAPED AREA: 60,676 SQ FT (14.1%) BUILDING B- TOTAL AREA: 185,690 SQ FT INTERIOR LANDSCAPED AREA: 18,242 SQ FT (11.0%) BUILDING C NORTH- TOTAL AREA: 112,920 SQ FT INTERIOR LANDSCAPED AREA: 18,526 SQ FT (16.5%) BUILDING C SOUTH- TOTAL AREA: 106,797 SQ FT INTERIOR LANDSCAPED AREA: 16,680 SQ FT (15.6%)	COMPLIES
275-B(7c)	A MINIMUM OF ONE SHADE TREE SHALL BE PLANTED PER 1,600 SQUARE FEET OF PAVED AREA, OR ONE SHADE TREE PER EVERY FIVE PARKING SPACES, WHICHEVER IS GREATER.	BUILDING A- TOTAL PAVED AREA: 368,406 SQ FT/1,600 SQ FT = 231 TREES REQUIRED, 237 TREES PROVIDED BUILDING B- TOTAL PAVED AREA: 147,448 SQ FT/1,600 SQ FT = 93 TREES REQUIRED, 93 TREES PROVIDED BUILDING C- TOTAL PAVED AREA: 184,511 SQ FT/1,600 SQ FT = 116 TREES REQUIRED, 207 TREES PROVIDED TOTAL SHADE TREES REQUIRED: 440 TREES TOTAL SHADE TREES PROVIDED: 537 TREES (TREES IN RESIDENTIAL BUFFER AND 250-FOOT SHORELINE RESTORATION AREA NOT INCLUDED)	COMPLIES
275-B(7d)	ONE SHRUB PER 200 SQUARE FEET OF PAVED AREA SHALL BE PLANTED OR 1.6 SHRUBS PER EVERY PARKING SPACE.	BUILDING A- TOTAL PAVED AREA: 368,406 SQ FT/200 SQ FT = 1,843 SHRUBS REQUIRED, 1,848 SHRUBS PROVIDED BUILDING B- TOTAL PAVED AREA: 147,448 SQ FT/200 SQ FT = 736 SHRUBS REQUIRED, 93 SHRUBS PROVIDED BUILDING C- TOTAL PAVED AREA: 184,511 SQ FT/200 SQ FT = 923 SHRUBS REQUIRED, 930 SHRUBS PROVIDED TOTAL SHRUBS REQUIRED: 3,504 SHRUBS TOTAL SHRUBS PROVIDED: 3,946 SHRUBS	COMPLIES
275-B(8b)	SCREENING SHALL BE PROVIDED FOR VISUAL SEPARATION OF INCOMPATIBLE USES. SCREENING SHALL BE REQUIRED BETWEEN PARKING OR LOADING AREAS AND, IF PRESENT, AN ABUTTING RESIDENTIAL ZONE. SCREENING MAY ALSO BE REQUIRED BETWEEN ABUTTING NON-RESIDENTIAL SITES. WHERE SCREENING IS REQUIRED, IT SHALL PROVIDE A REASONABLE EFFECTIVE VISUAL BUFFER BY NEW PLANTINGS	TO PROVIDE ADEQUATE SCREENING, A LANDSCAPE BERM IS PROPOSED WITH A SOUND FENCE AT THE TOP OF THE BERM AND A DOUBLE STAGGERED ROW OF EVERGREEN TREES BETWEEN USES.	COMPLIES

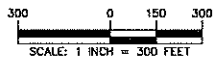
**SHEET LEGEND**  
1"=150'



**APPROVAL BLOCK**  
 APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_  
 PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
 PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
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REFER TO SHEET LP502 FOR PLANTING SCHEDULES, SHORELAND BUFFER, UPLAND RESTORATION AREA, AND 50' WETLAND BUFFER AREA PLANTING NOTES.

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Date	Description	No.
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
09/14/20	AOT COMMENT RESPONSE	3

REVISIONS

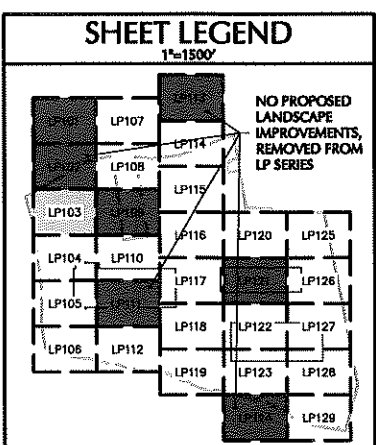
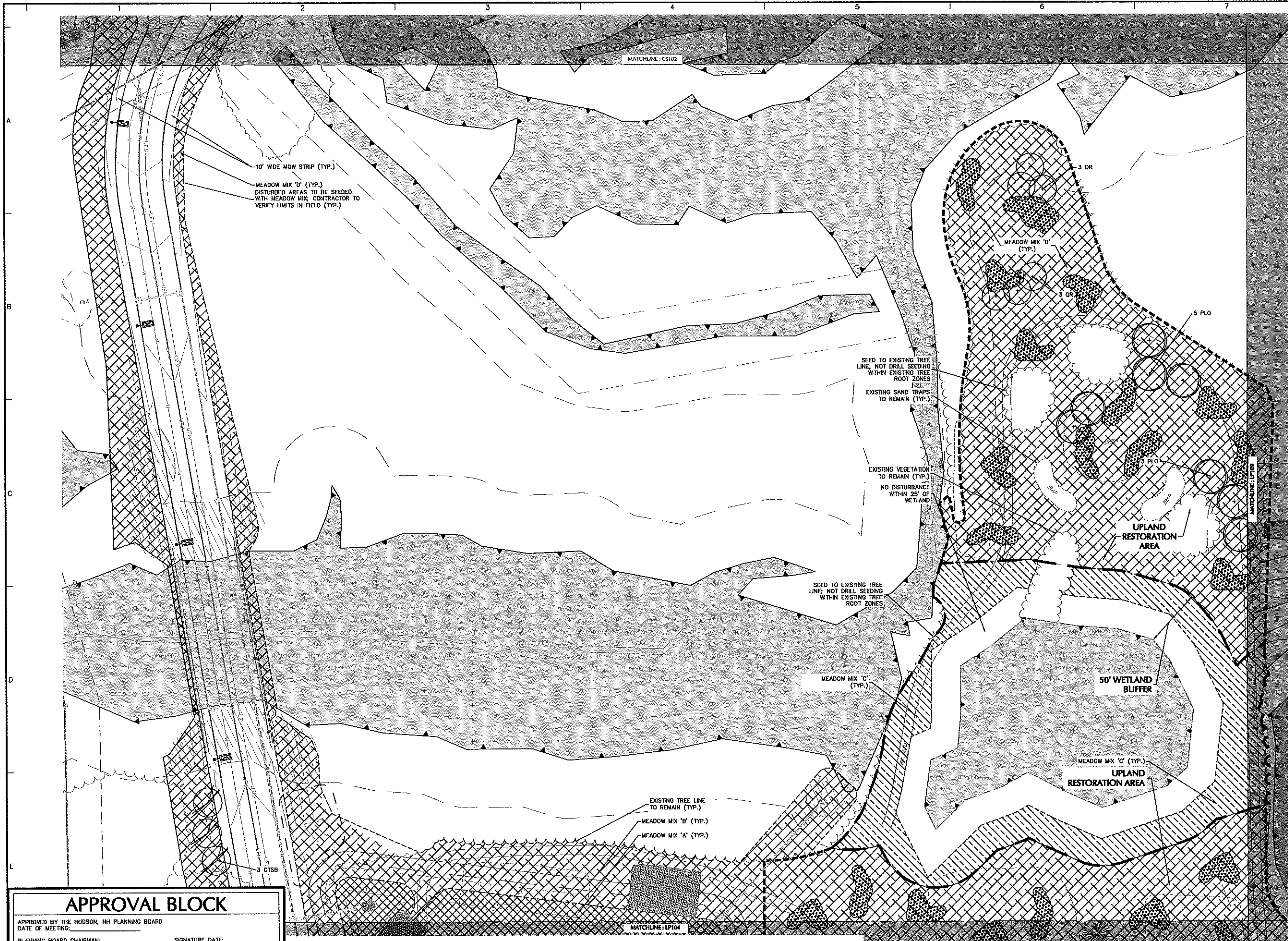
MICHAEL SZURA  
 LICENSED LANDSCAPE ARCHITECT  
 STATE LIC. NO. 152

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Project  
**HUDSON LOGISTICS CENTER**  
 MAP No. 239, LOT No. 1  
 HUDSON  
 HILLSBOROUGH NEW HAMPSHIRE

Drawing Title  
**OVERALL PLANTING PLAN**

Project No. 1510101	Drawing No. <b>LP100</b>
Date 04-21-2020	
Drawn By JA	
Checked By MH	



Date	Description	No.
12/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	5
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
09/14/20	AOT COMMENT RESPONSE	3



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Project  
**HUDSON LOGISTICS CENTER**  
MAP No. 239, LOT No. 1  
HUDSON

HILLSBOROUGH NEW HAMPSHIRE

Drawing Title  
**LANDSCAPE PLANTING PLAN III**

Project No. 151010101	Drawing No. LP103
Date 04-21-2020	
Drawn By KK	
Checked By MH	

**APPROVAL BLOCK**

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_

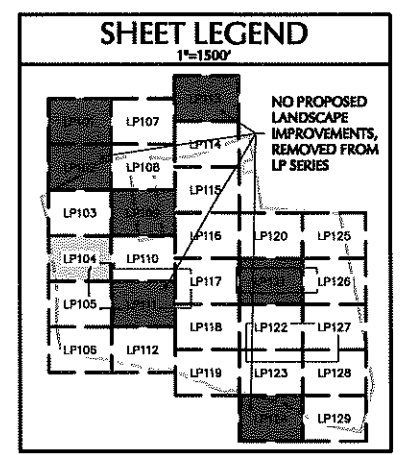
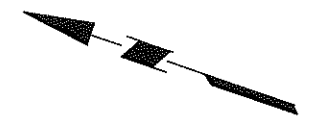
SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF THE PLANNING BOARD MEETING FINAL APPROVAL. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

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Project No. 151010101

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Date	Description	No.
12/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	5
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
09/14/20	AOT COMMENT RESPONSE	3



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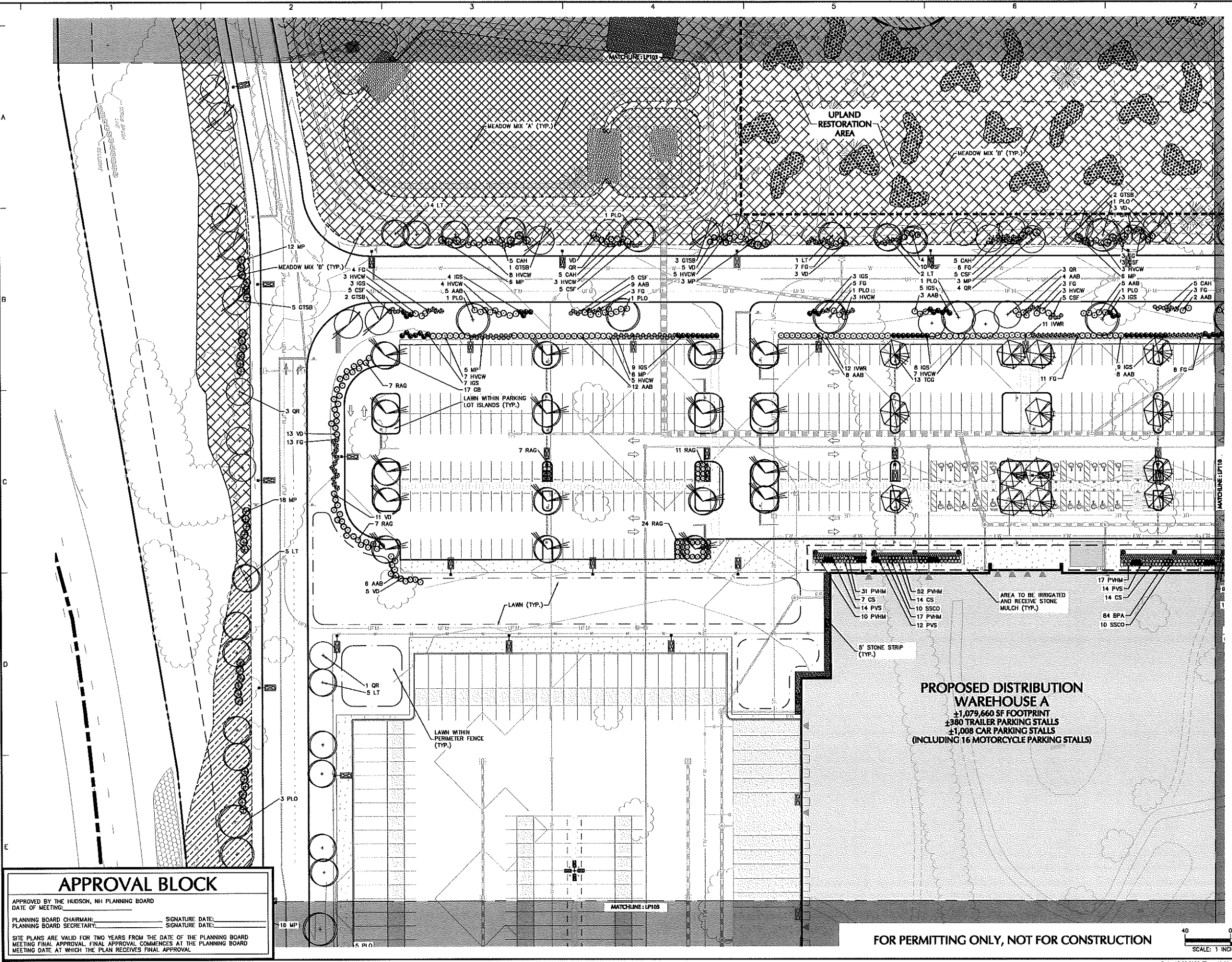
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Project  
**HUDSON LOGISTICS CENTER**  
MAP No. 239, LOT No. 1  
HUDSON  
HILLSBOROUGH NEW HAMPSHIRE

Drawing Title  
**LANDSCAPE PLANTING PLAN IV**

Project No. 151010101 Drawing No. LP104  
Date 04-21-2020  
Drawn By KK  
Checked By MH



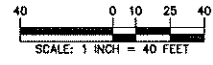
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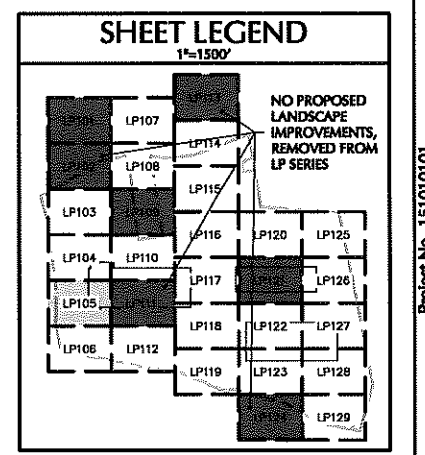
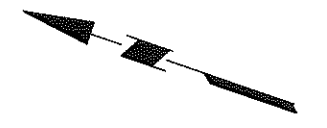
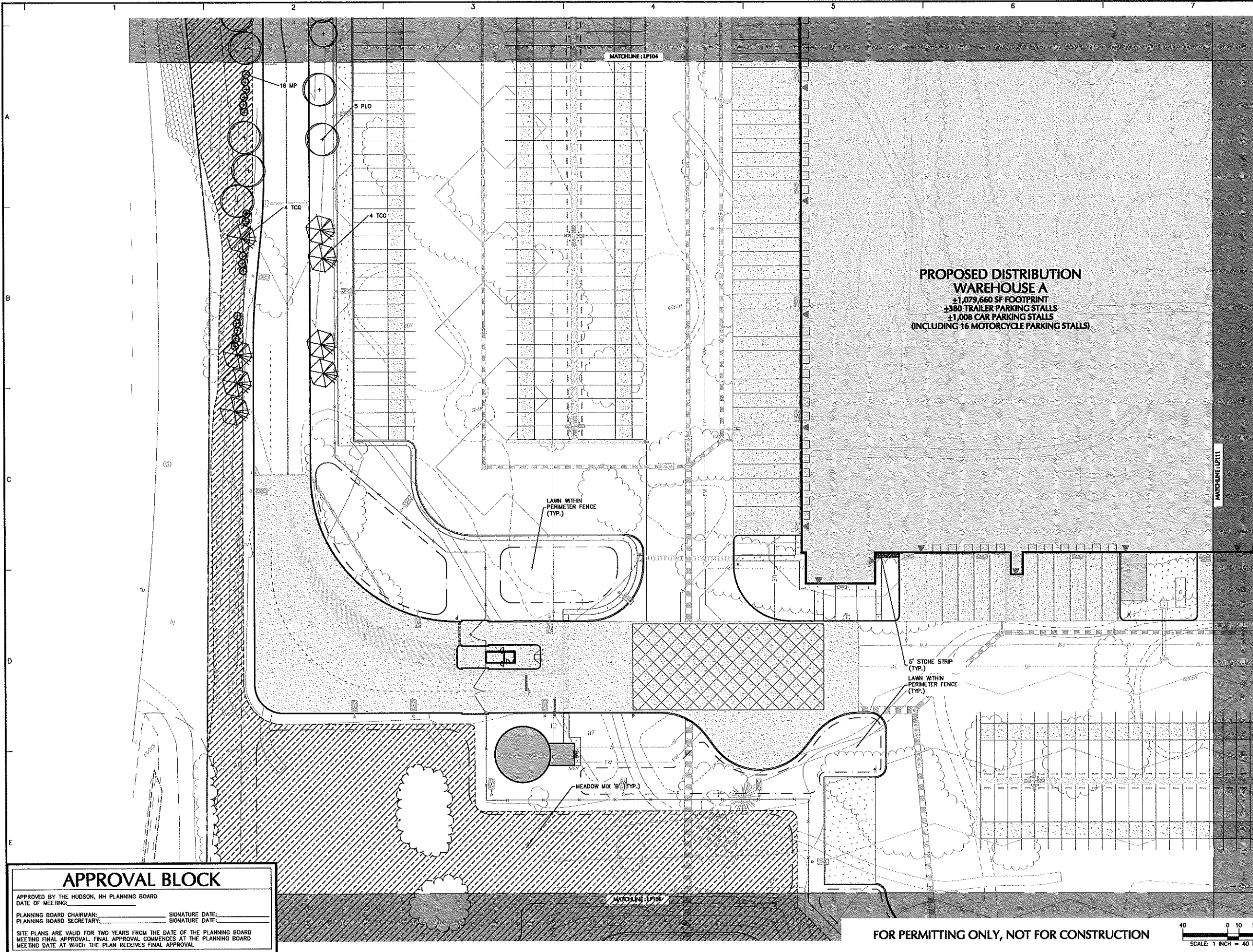
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DATE OF MEETING: \_\_\_\_\_

PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_

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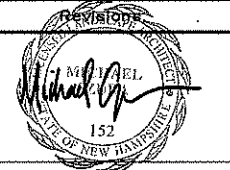
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**PROPOSED DISTRIBUTION WAREHOUSE A**  
 ±1,079,660 SF FOOTPRINT  
 ±1380 TRAILER PARKING STALLS  
 ±1,008 CAR PARKING STALLS  
 (INCLUDING 16 MOTORCYCLE PARKING STALLS)

Date	Description	No.
12/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	5
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
09/14/20	AOT COMMENT RESPONSE	3



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Project  
**HUDSON LOGISTICS CENTER**  
 MAP No. 239, LOT No. 1  
 HUDSON  
 HILLSBOROUGH NEW HAMPSHIRE

Drawing Title  
**LANDSCAPE PLANTING PLAN V**

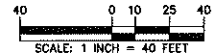
Project No. 151010101 Drawing No. LP105  
 Date 04-21-2020  
 Drawn By KK  
 Checked By MH

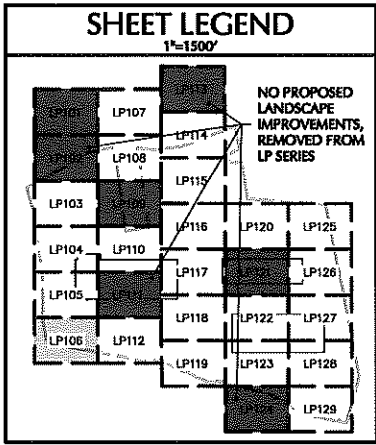
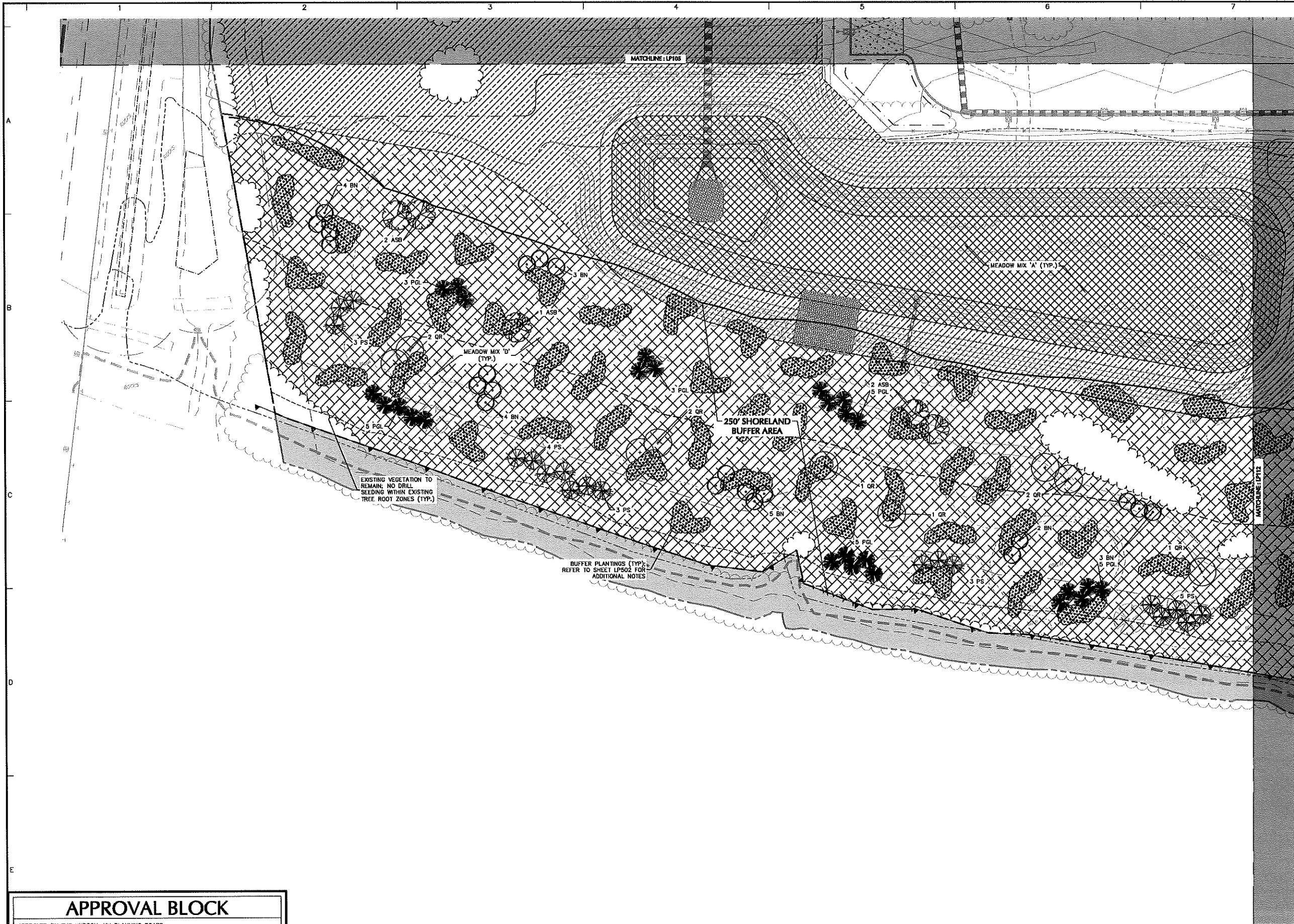
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APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_  
 PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
 PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_

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Date	Description	No.
12/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	5
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
09/14/20	AOT COMMENT RESPONSE	3



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Project  
**HUDSON LOGISTICS CENTER**  
MAP No. 239, LOT No. 1  
HUDSON  
HILLSBOROUGH NEW HAMPSHIRE

Drawing Title  
**LANDSCAPE PLANTING PLAN VI**

Project No. 1510101	Drawing No. LP106
Date 04-21-2020	
Drawn By KK	
Checked By MH	

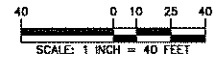
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DATE OF MEETING: \_\_\_\_\_

PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_

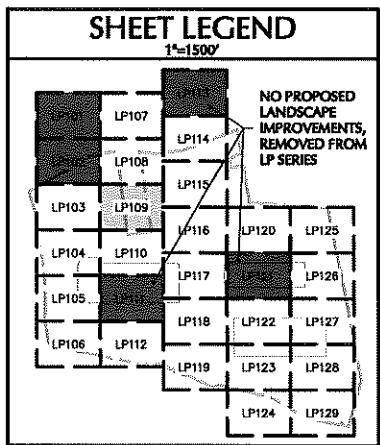
SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF THE PLANNING BOARD MEETING FINAL APPROVAL. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

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Project No. 151010101

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Date	Description	No.
12/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	5
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
09/14/20	AOT COMMENT RESPONSE	3

  
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 STATE LIC. NO. 152  
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Project  
**HUDSON LOGISTICS CENTER**  
 MAP No. 239, LOT No. 1  
 HUDSON  
 HILLSBOROUGH NEW HAMPSHIRE

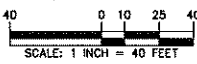
**LANDSCAPE PLANTING PLAN IX**

Project No. <b>151010101</b>	Drawing No. <b>LP109</b>
Date <b>04-21-2020</b>	
Drawn By <b>KK</b>	
Checked By <b>MH</b>	

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APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_  
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 PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
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**APPROVAL BLOCK**

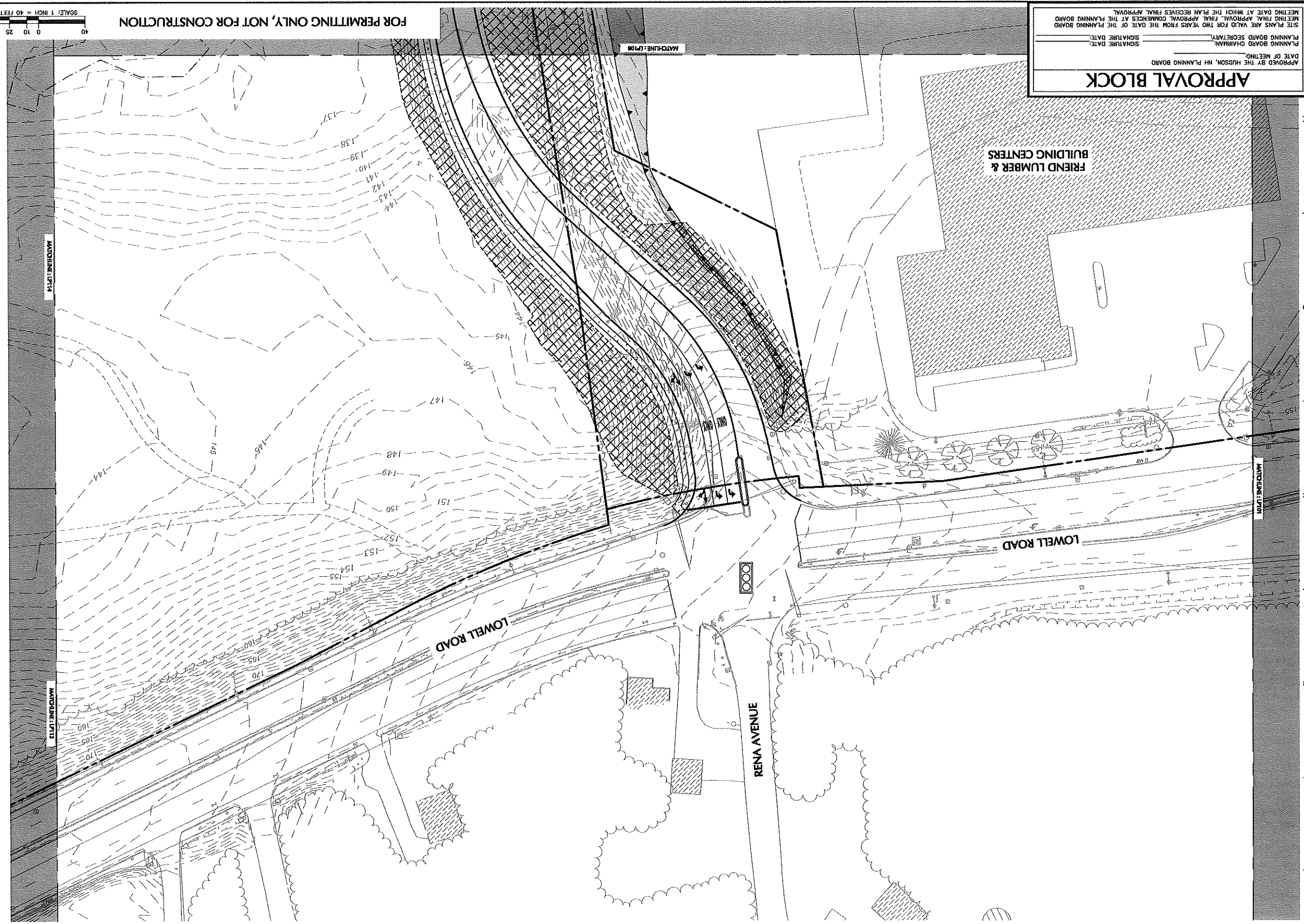
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DATE OF MEETING: \_\_\_\_\_

PLANNING BOARD SECRETARY: \_\_\_\_\_

SIGNATURE DATE: \_\_\_\_\_

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Project No. 151010101

Date 11-30-2020

Drawn By KK

Checked By MH

**LP107**

**LANDSCAPE PLANTING PLAN VII**

Project HUDSON LOGISTICS CENTER

M&P No. 239, LOT No. 1

HUDSON NEW HAMPSHIRE HILLSBOROUGH

LANGAN Environmental Services, Inc.

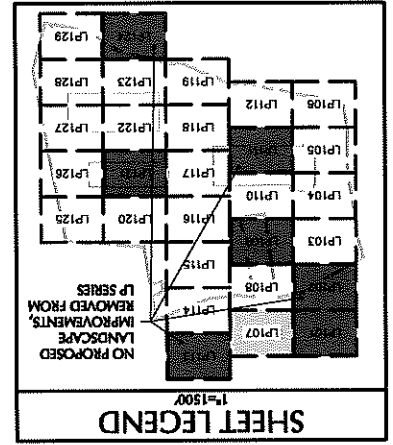
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MICHAEL SZURA LICENSED LANDSCAPE ARCHITECT STATE LIC. NO. 152



No.	Date	Description
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4	11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE

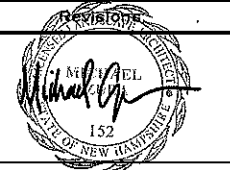




**SHEET LEGEND**  
1"=1500'

LP102	LP107	LP114	NO PROPOSED LANDSCAPE IMPROVEMENTS, REMOVED FROM LP SERIES	
LP103	LP108	LP115		
LP104	LP110	LP116	LP120	LP125
LP105	LP111	LP117	LP126	
LP106	LP112	LP118	LP122	LP127
	LP119	LP123	LP128	LP129

Date	Description	No.
12/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	5
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4



MICHAEL SZURA  
LICENSED LANDSCAPE ARCHITECT  
STATE LIC. NO. 152

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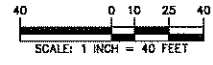
Project  
**HUDSON LOGISTICS CENTER**  
MAP No. 239, LOT No. 1  
HUDSON  
HILLSBOROUGH NEW HAMPSHIRE

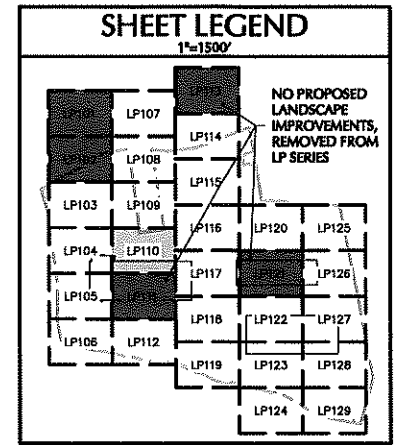
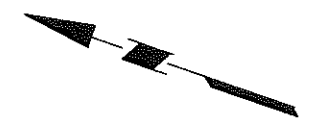
Drawing Title  
**LANDSCAPE PLANTING PLAN VIII**

Project No. 151010101	Drawing No. LP108
Date 11-30-2020	
Drawn By KK	
Checked By MH	

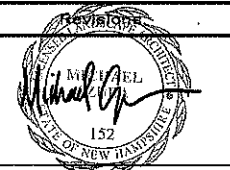
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DATE OF MEETING: \_\_\_\_\_  
PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
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08/14/20	AOT COMMENT RESPONSE	3



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STATE LIC. NO. 152

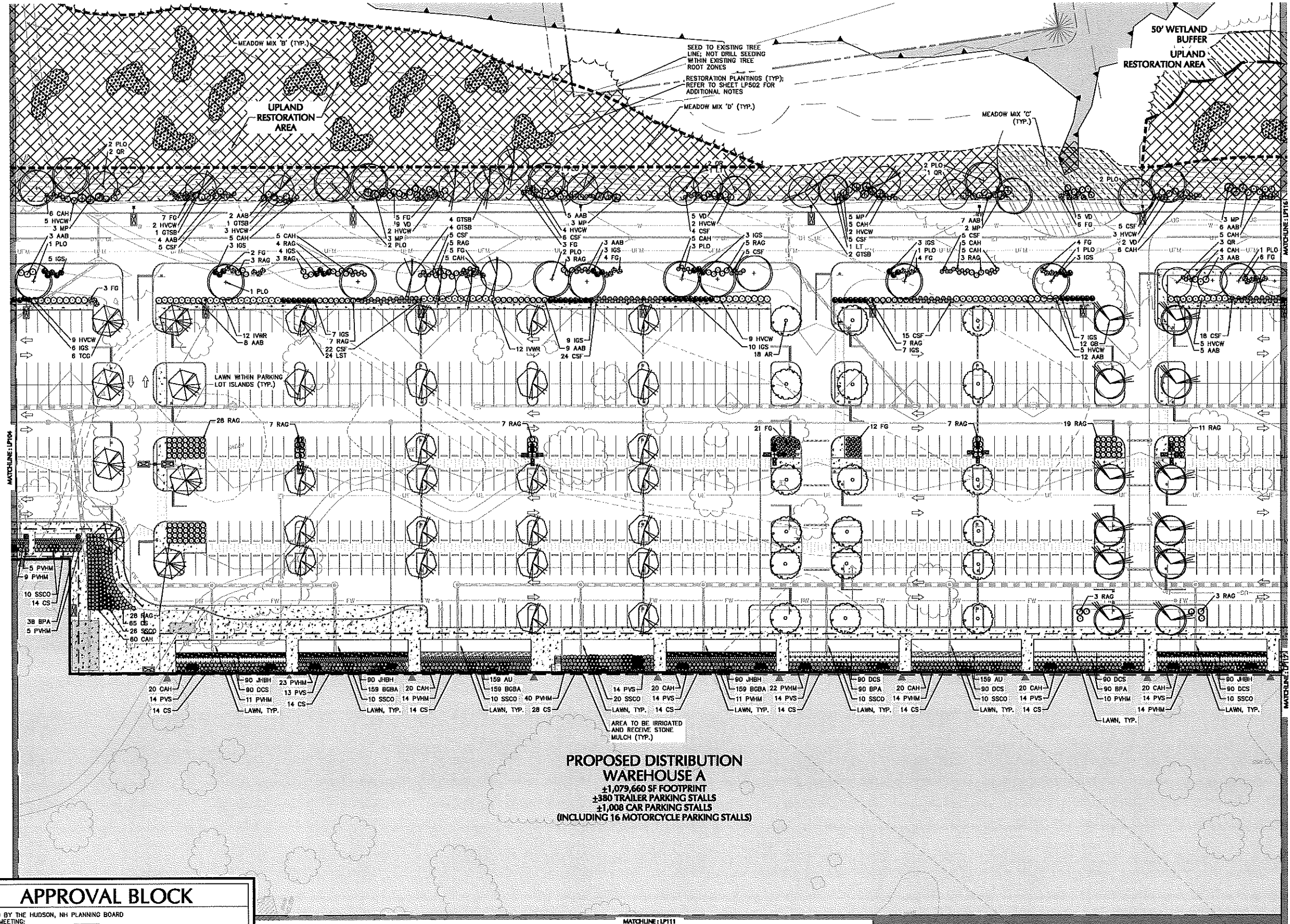
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Project  
**HUDSON LOGISTICS CENTER**  
MAP No. 239, LOT No. 1  
HUDSON  
HILLSBOROUGH NEW HAMPSHIRE

Drawing Title  
**LANDSCAPE PLANTING PLAN X**

Project No. 151010101  
Date 04-21-2020  
Drawn By KK  
Checked By MH

Drawing No. LP110



**PROPOSED DISTRIBUTION WAREHOUSE A**  
±1,079,660 SF FOOTPRINT  
±380 TRAILER PARKING STALLS  
±1,008 CAR PARKING STALLS  
(INCLUDING 16 MOTORCYCLE PARKING STALLS)

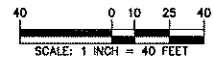
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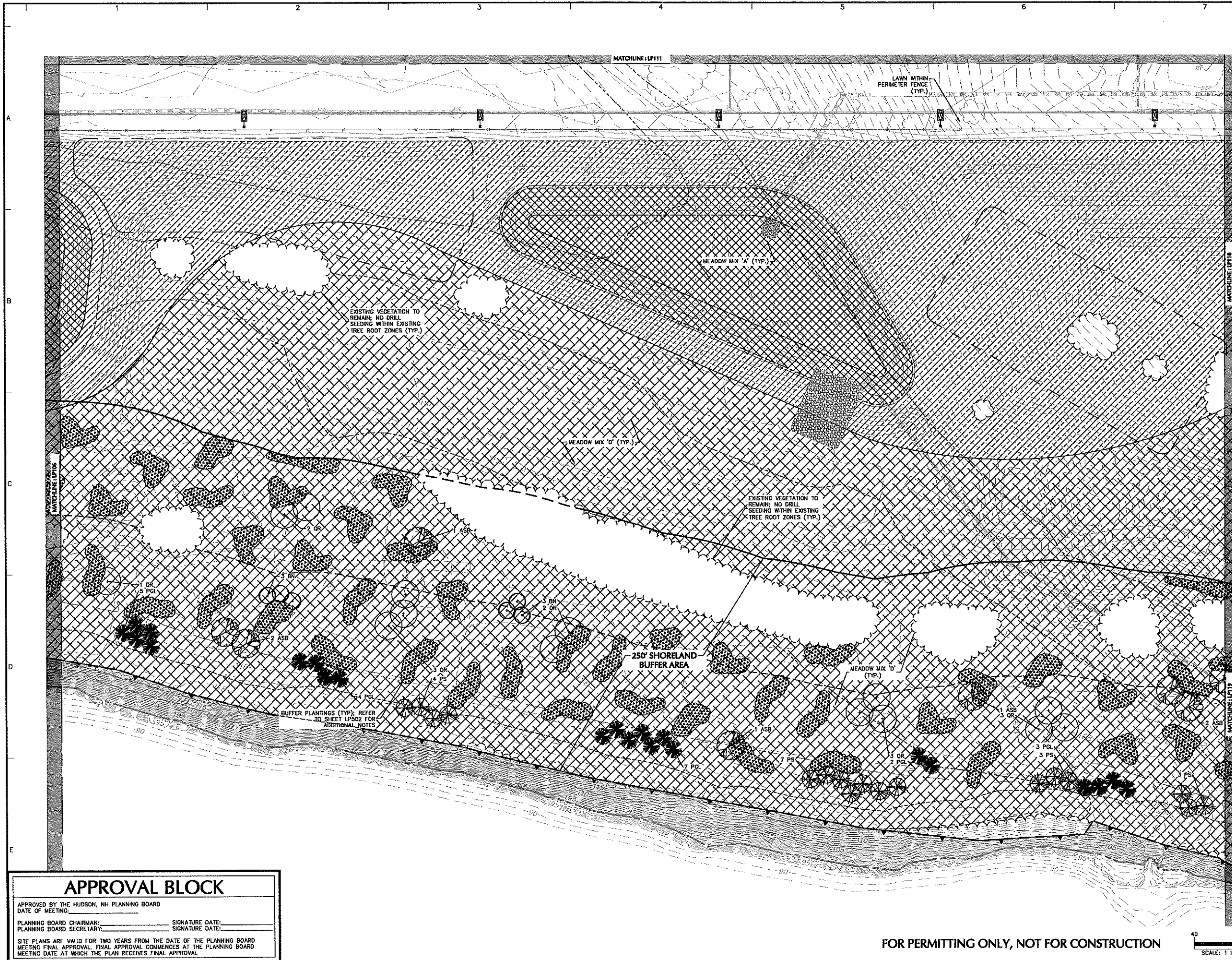
APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

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**SHEET LEGEND**  
1"=1500'

LP107	LP114	NO PROPOSED LANDSCAPE IMPROVEMENTS, REMOVED FROM LP SERIES		
LP108	LP115			
LP103	LP109	LP116	LP120	LP125
LP104	LP110	LP117	LP126	
LP105		LP118	LP122	LP127
LP106	LP112	LP119	LP123	LP128
			LP124	LP129

Date	Description	No.
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11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
08/14/20	AOT COMMENT RESPONSE	3

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**HUDSON LOGISTICS CENTER**  
 MAP No. 239, LOT No. 1  
 HUDSON  
 HILLSBOROUGH NEW HAMPSHIRE  
 Drawing Title  
**LANDSCAPE PLANTING PLAN XII**

Project No. <b>151010101</b>	Drawing No. <b>LP112</b>
Date <b>04-21-2020</b>	
Drawn By <b>KK</b>	
Checked By <b>MH</b>	

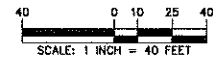
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DATE OF MEETING: \_\_\_\_\_

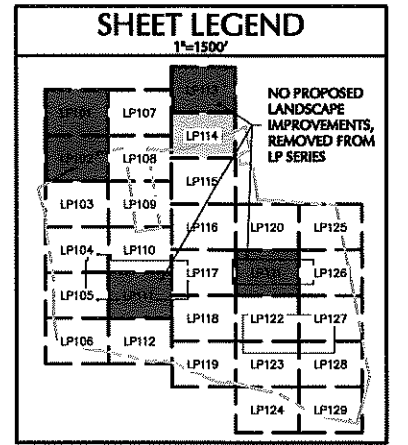
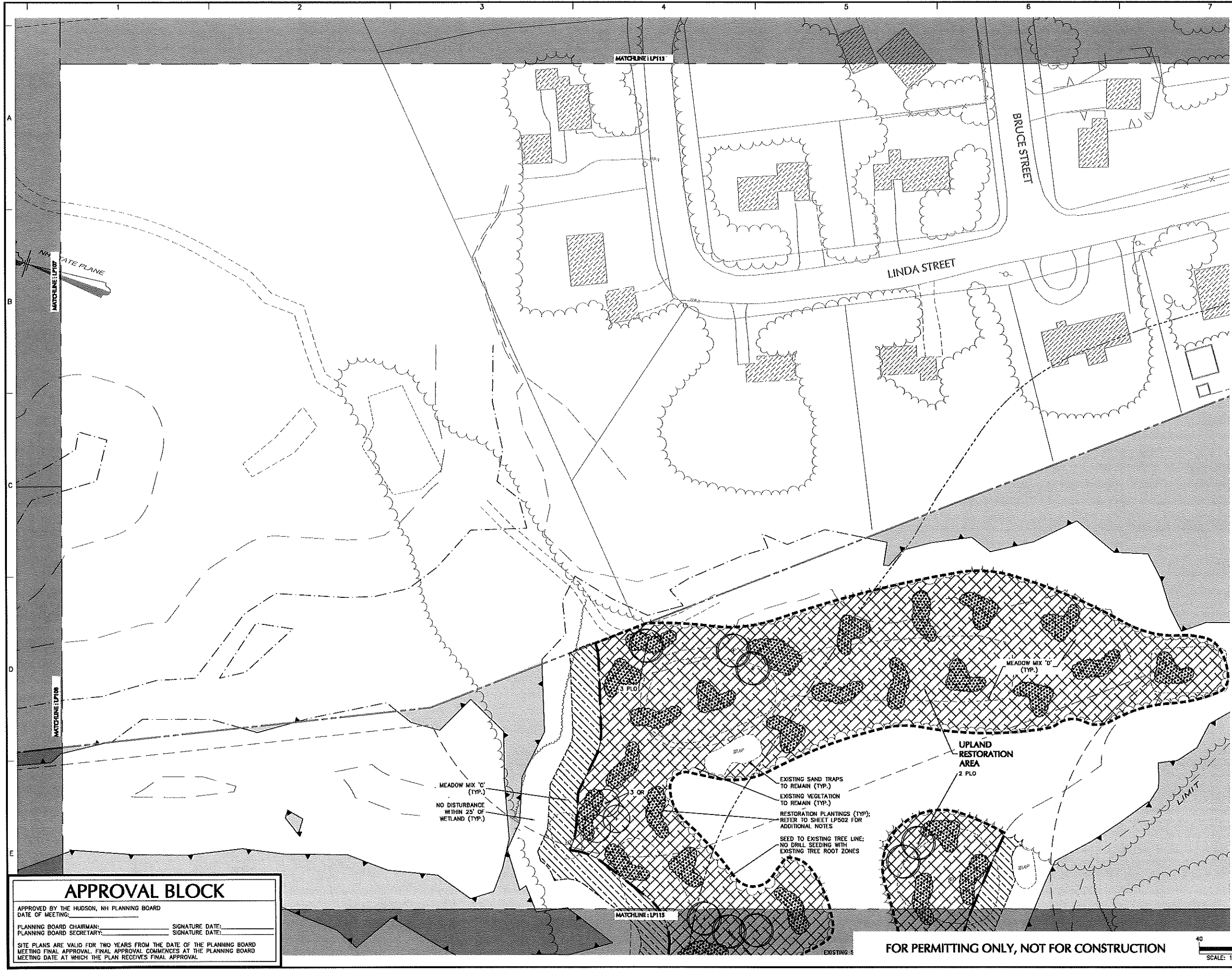
PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
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Professional seal for Michael Szura, Licensed Landscape Architect, State Lic. No. 152.

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Drawing Title  
**LANDSCAPE PLANTING PLAN XIV**

Project No. 151010101	Drawing No. LP114
Date 04-21-2020	
Drawn By KK	
Checked By MH	

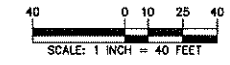
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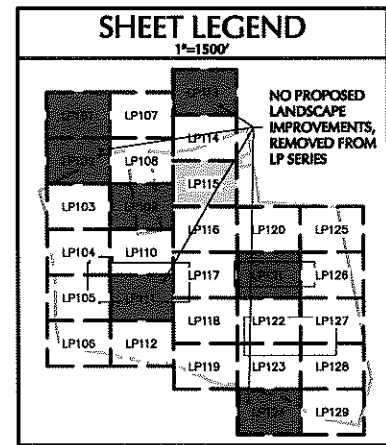
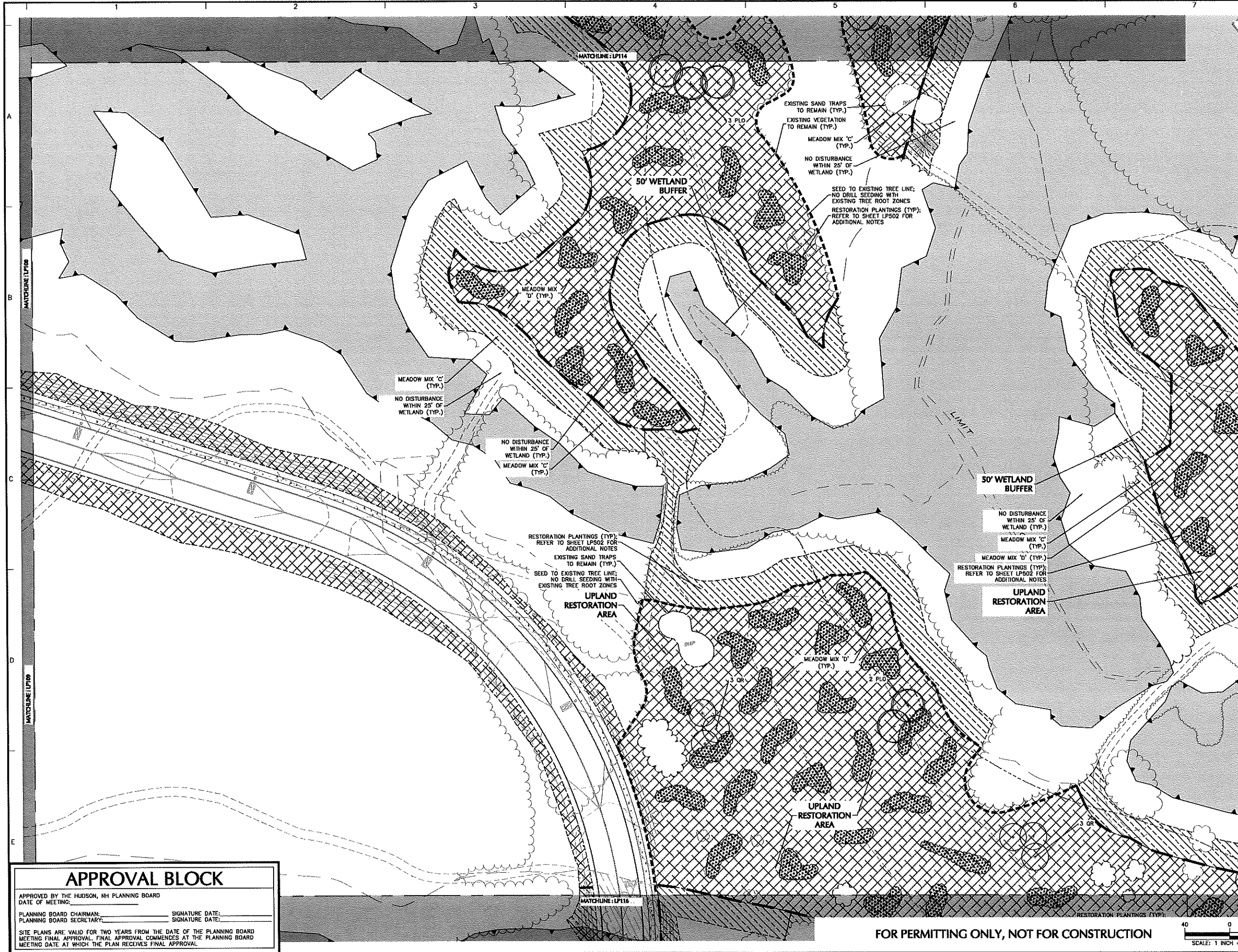
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PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_

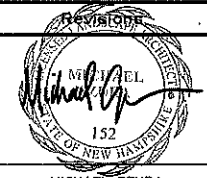
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Drawing Title  
**LANDSCAPE PLANTING PLAN XV**

Project No. <b>151010101</b>	Drawing No. <b>LP115</b>
Date <b>04-21-2020</b>	
Drawn By <b>KK</b>	
Checked By <b>MH</b>	

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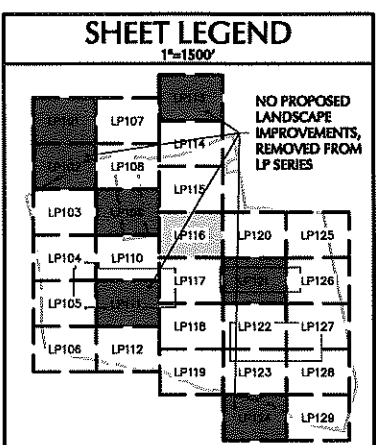
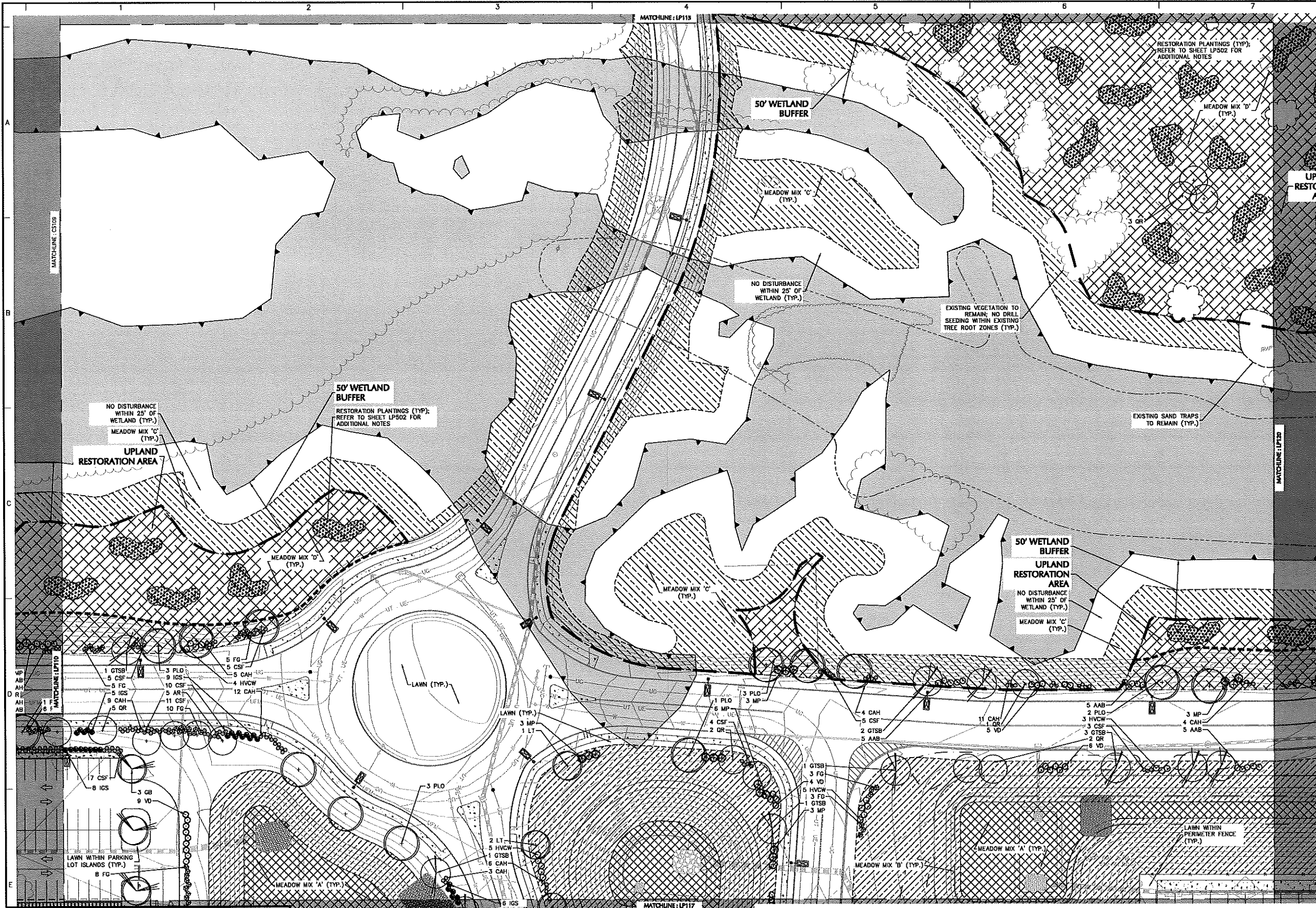
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DATE OF MEETING: \_\_\_\_\_

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09/14/20	AOT COMMENT RESPONSE	3

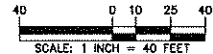
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**LANDSCAPE PLANTING PLAN XVI**

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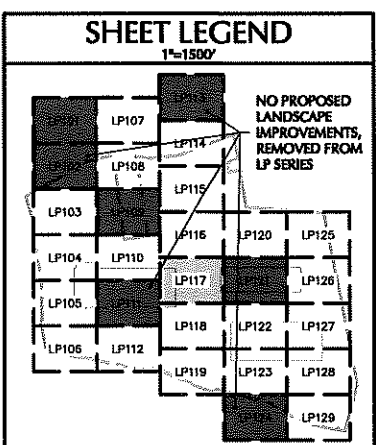
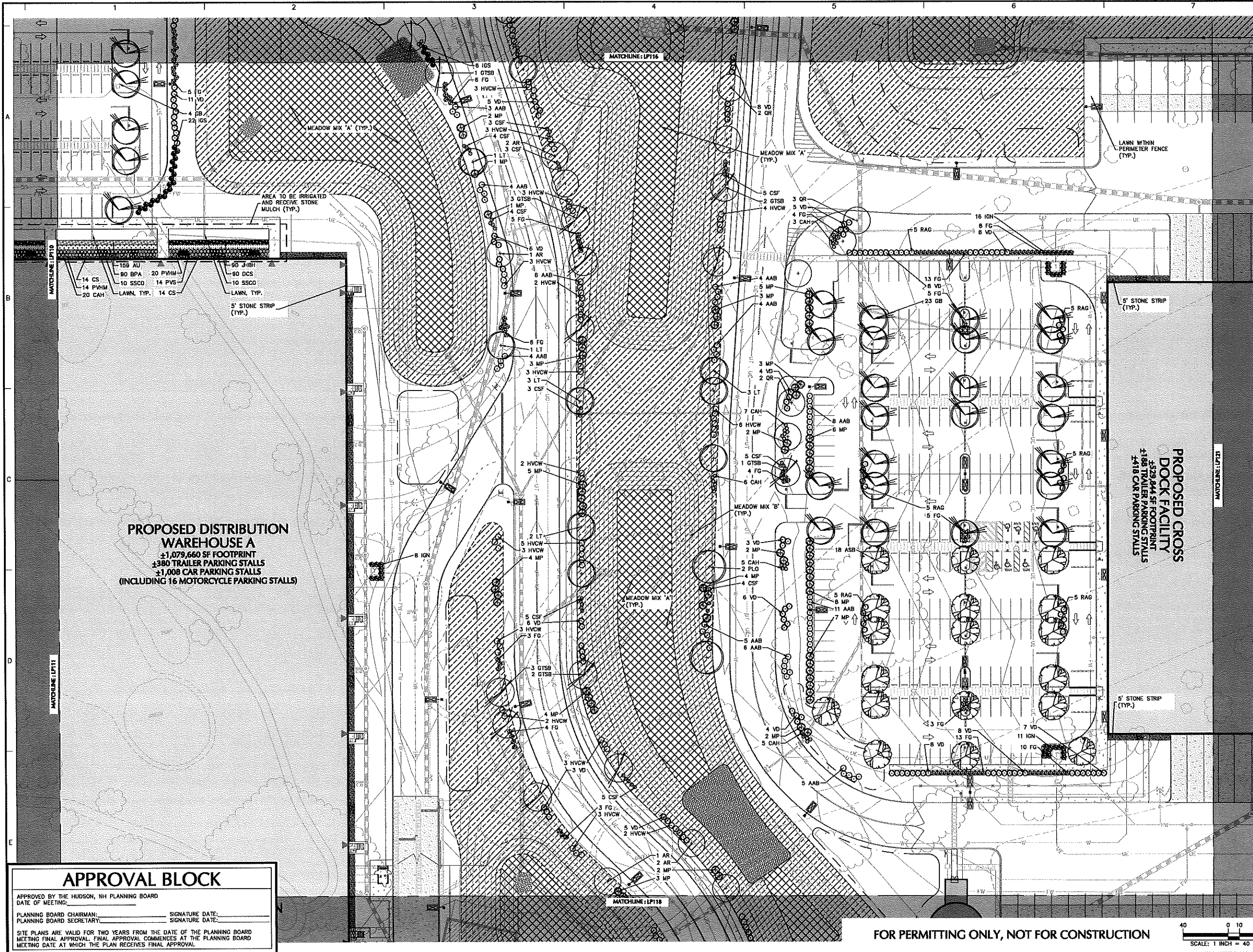
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Drawing Title  
**LANDSCAPE PLANTING PLAN XVII**

Project No. 151010101	Drawing No. LP117
Date 04-21-2020	
Drawn By KK	
Checked By MH	

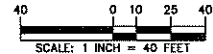
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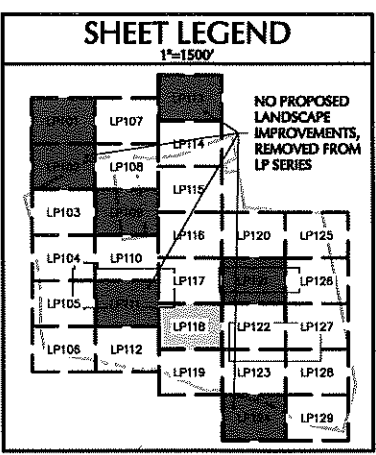
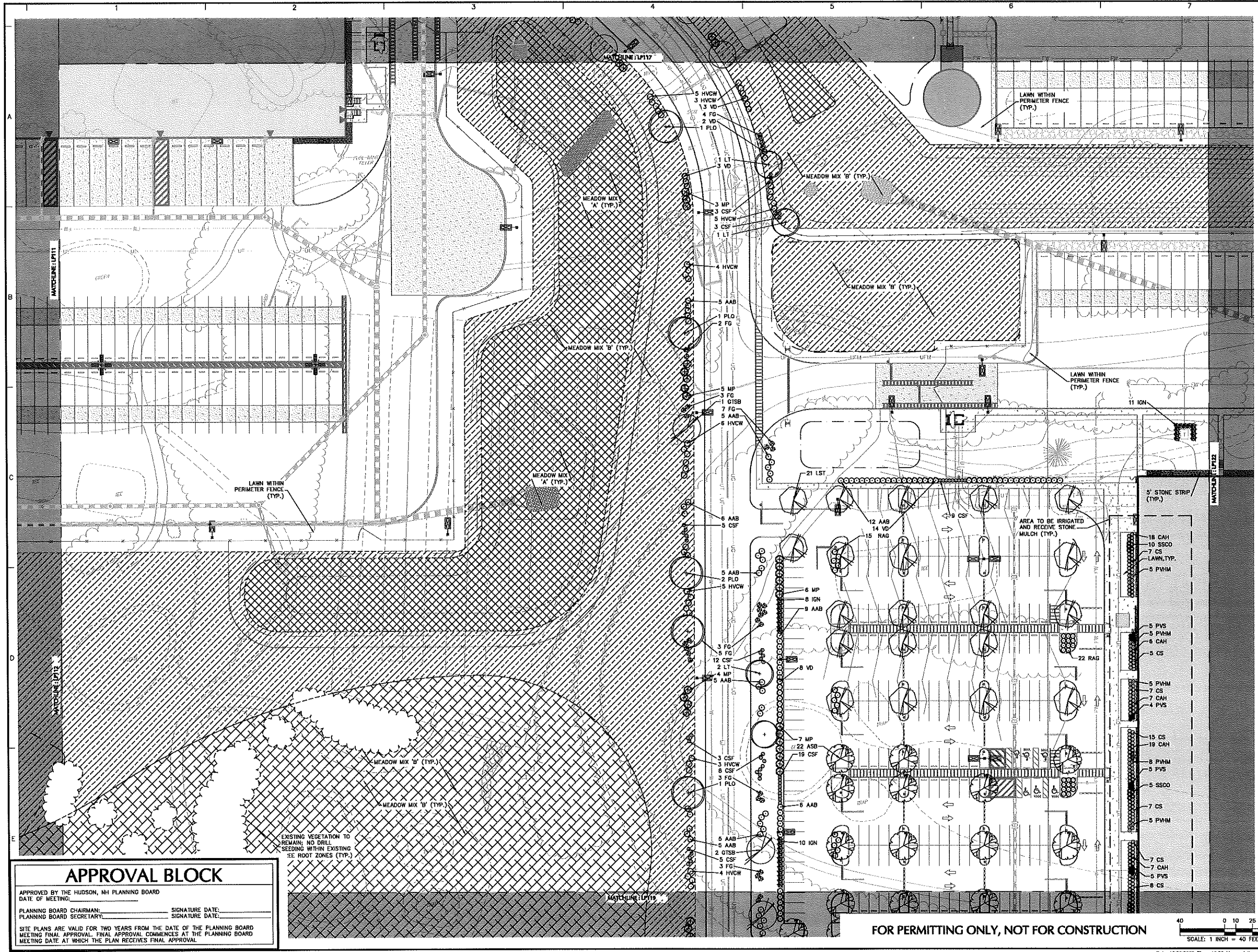
PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
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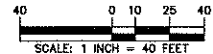
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 Drawing Title  
**LANDSCAPE PLANTING PLAN XXVIII**  
 Project No. 151010101 Drawing No. LP118  
 Date 04-21-2020  
 Drawn By KK  
 Checked By MH

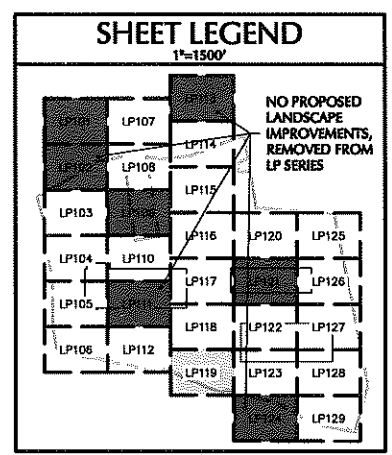
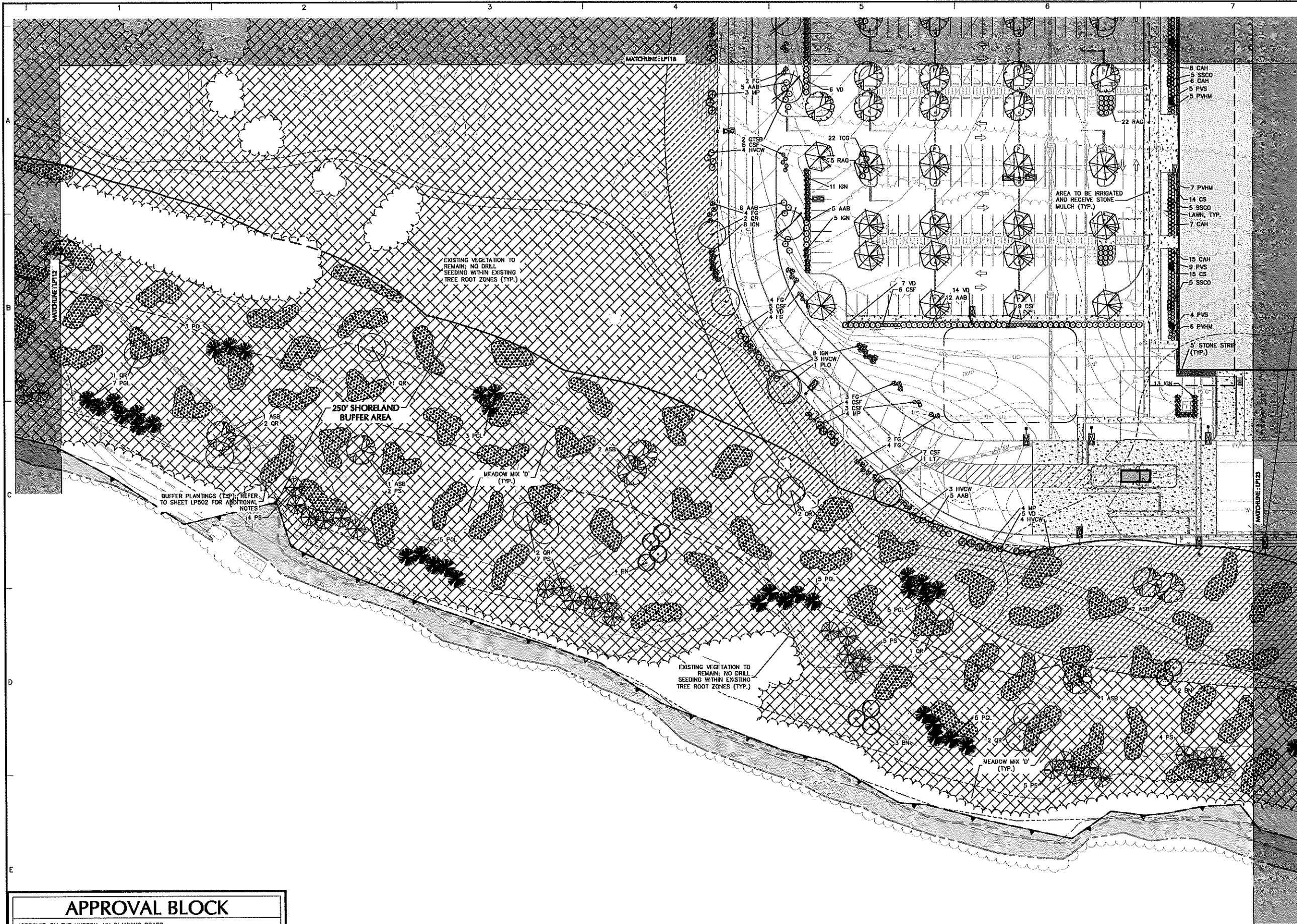
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 Drawing Title  
**LANDSCAPE PLANTING PLAN XIX**

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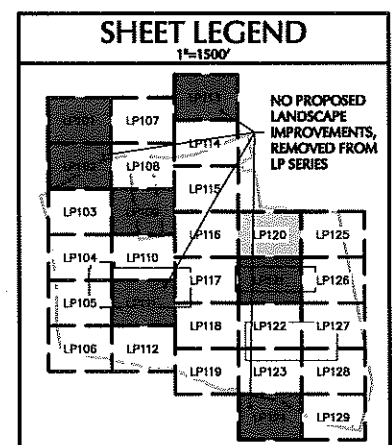
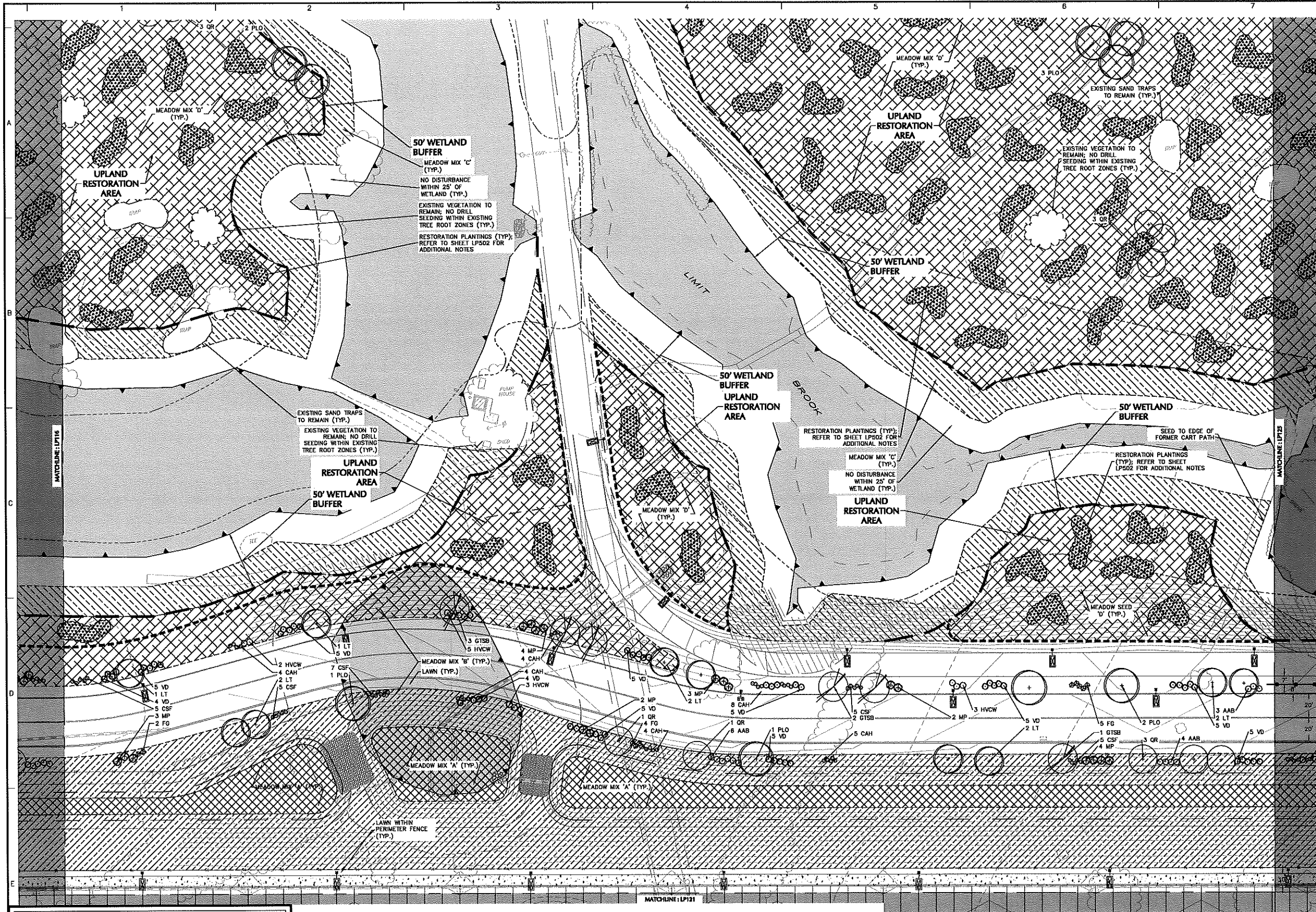
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Drawing Title  
**LANDSCAPE PLANTING PLAN XX**

Project No. 151010101	Drawing No. LP120
Date 04-21-2020	
Drawn By XX	
Checked By MH	

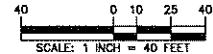
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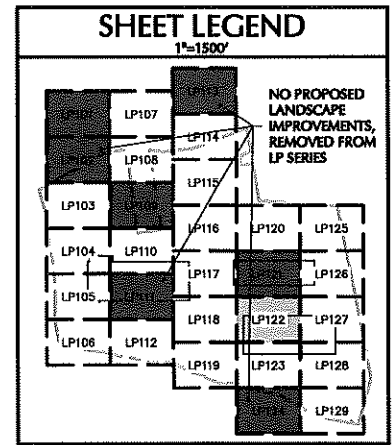
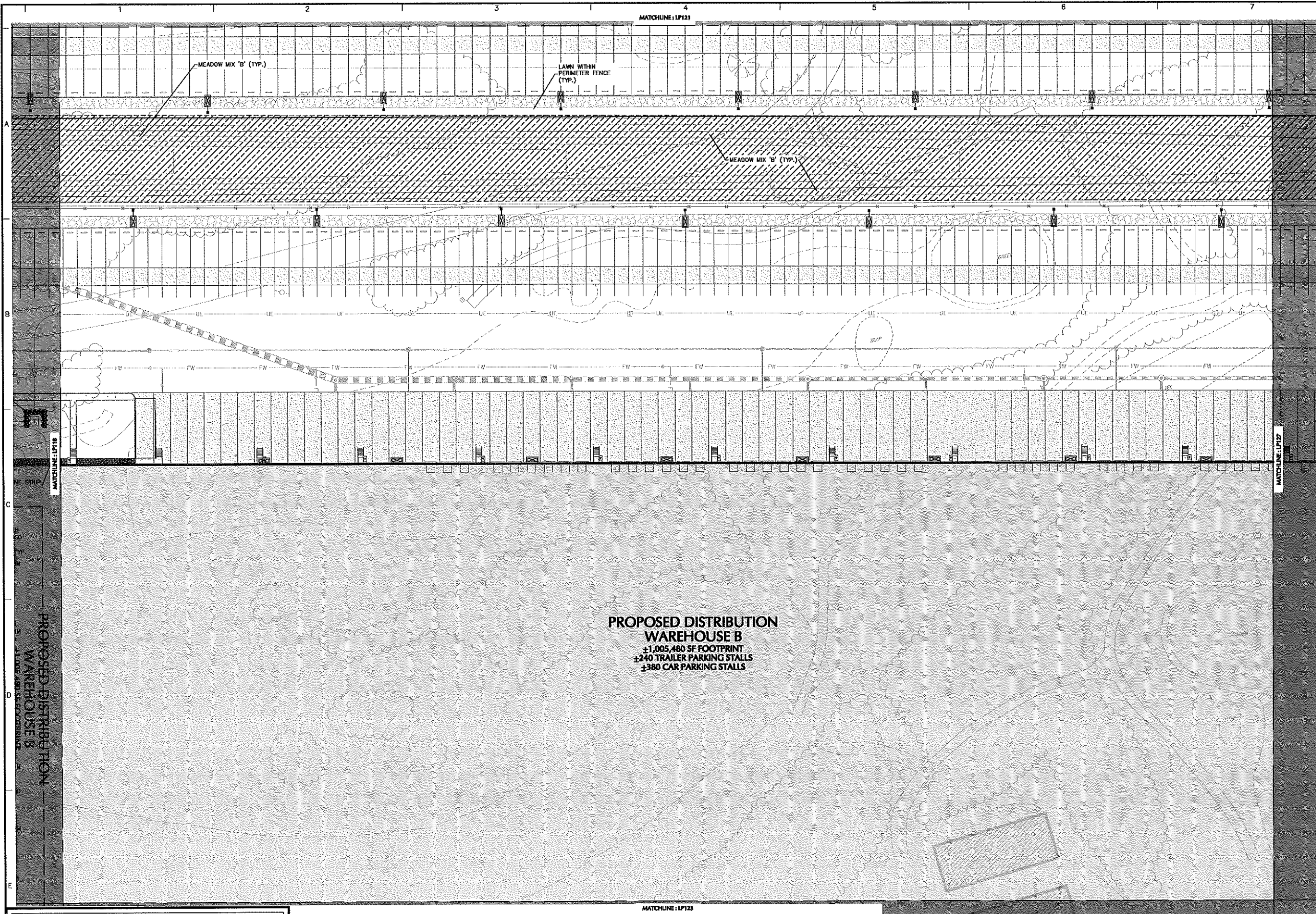
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Drawing Title  
**LANDSCAPE PLANTING PLAN XXII**

Project No. <b>1510101</b>	Drawing No. <b>LP122</b>
Date <b>04-21-2020</b>	
Drawn By <b>KK</b>	
Checked By <b>MH</b>	

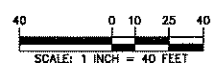
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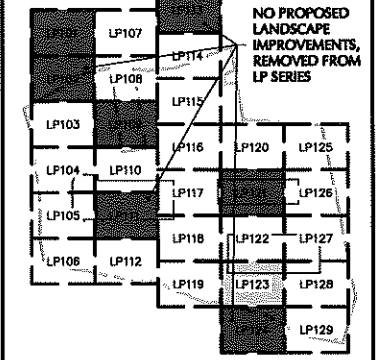
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Drawing Title  
**LANDSCAPE  
PLANTING PLAN  
XXIII**

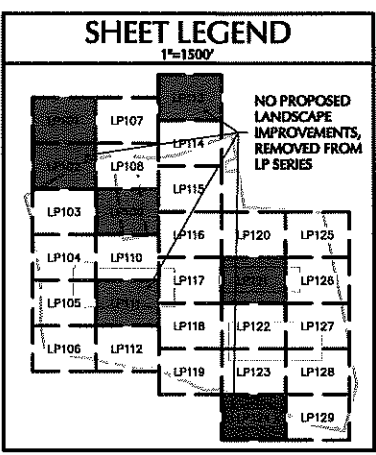
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Date <b>04-21-2020</b>	
Drawn By <b>KK</b>	
Checked By <b>MH</b>	

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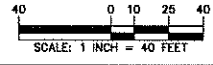
Project  
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HILLSBOROUGH NEW HAMPSHIRE

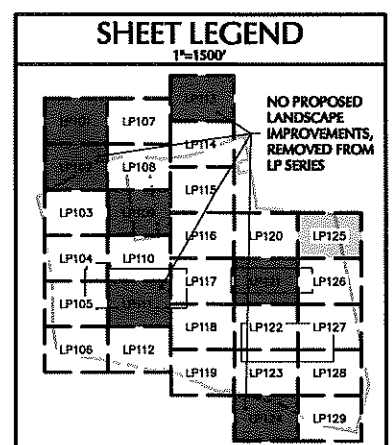
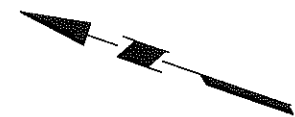
Drawing Title  
**LANDSCAPE PLANTING PLAN XXIV**

Project No. 151010101 Drawing No. LP124  
Date 04-21-2020  
Drawn By KK  
Checked By MH

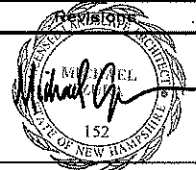
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LICENSED LANDSCAPE ARCHITECT  
STATE LIC. NO. 152

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Langan Engineering and Environmental Services, Inc.  
888 Boylston Street, Ste 510  
Boston, MA 02199  
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Project  
**HUDSON LOGISTICS CENTER**  
MAP No. 239, LOT No. 1  
HUDSON  
HILLSBOROUGH NEW HAMPSHIRE

Drawing Title  
**LANDSCAPE PLANTING PLAN XXV**

Project No. 151010101	Drawing No. LP125
Date 04-21-2020	
Drawn By KK	
Checked By MH	

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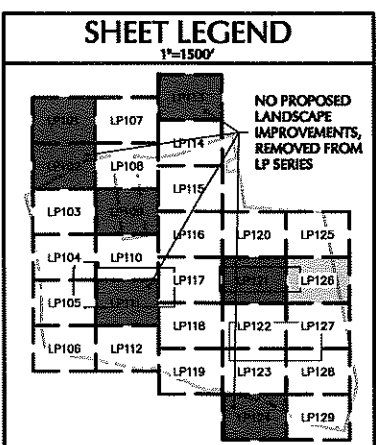
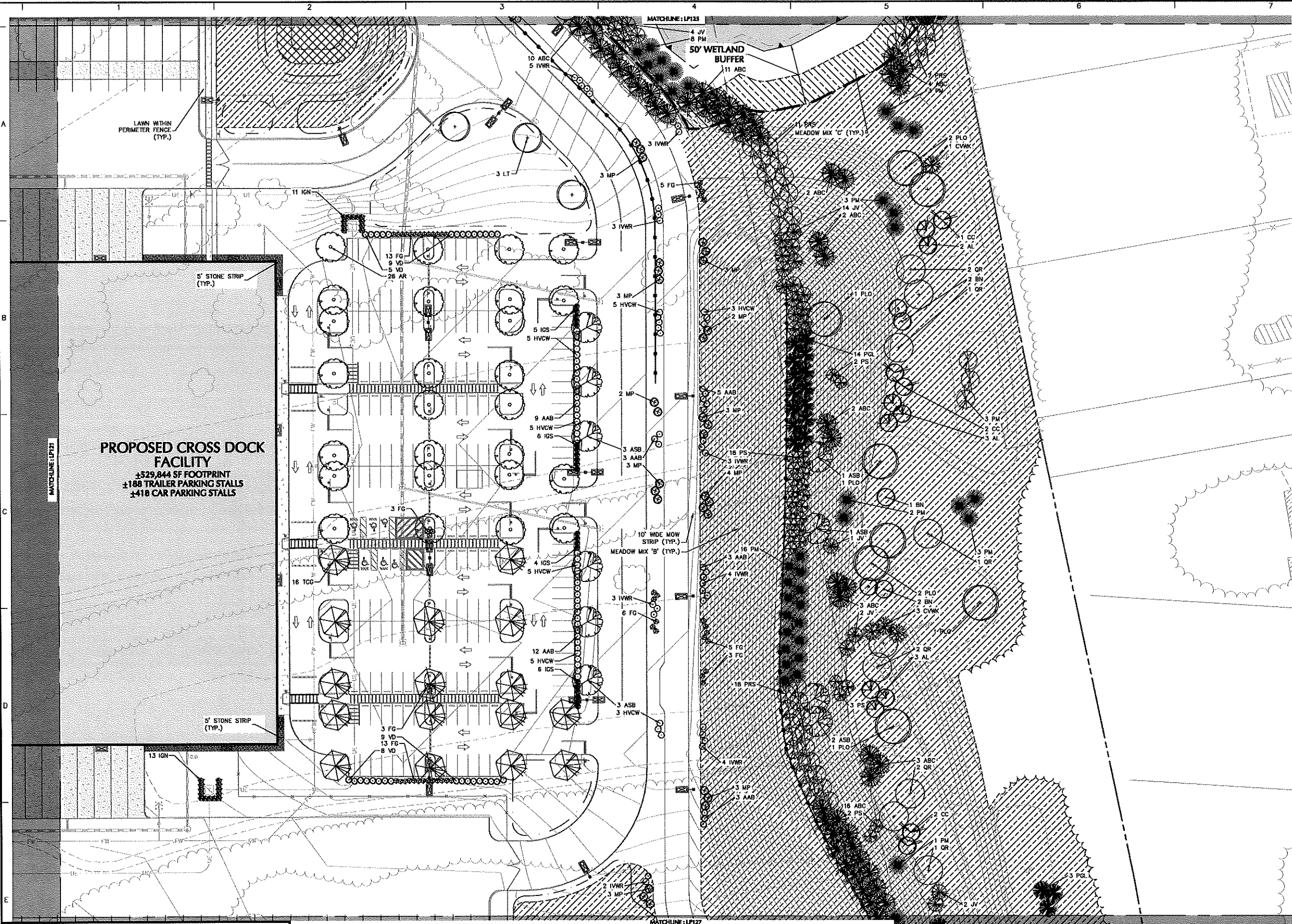
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**LANDSCAPE PLANTING PLAN XXVI**

Project No. 1510101	DRAWING FIGURE LABEL LP126
Date 04-21-2020	
Drawn By KK	
Checked By MH	

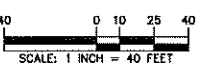
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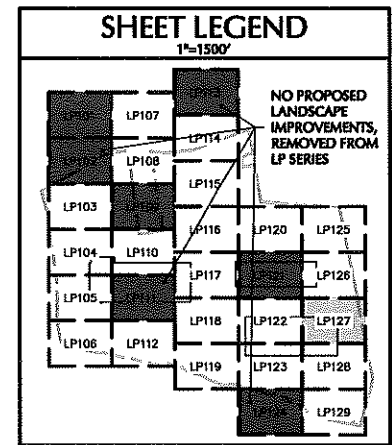
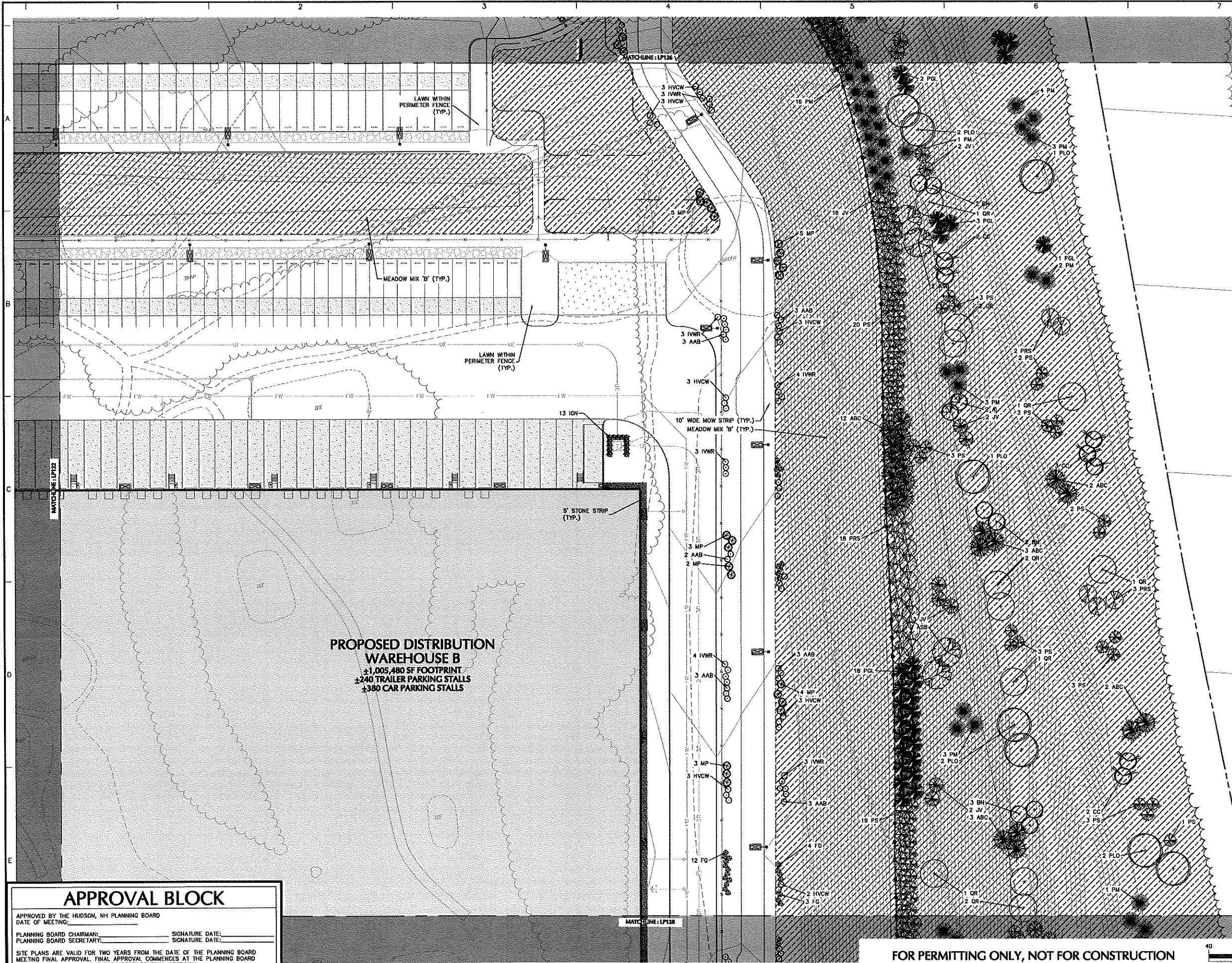
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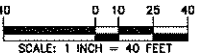
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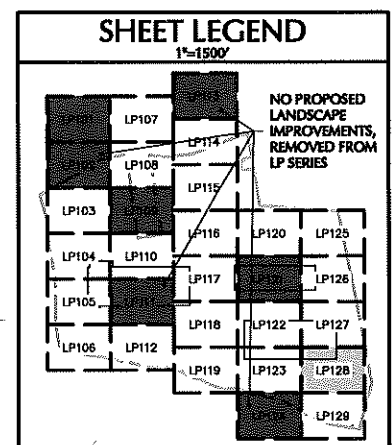
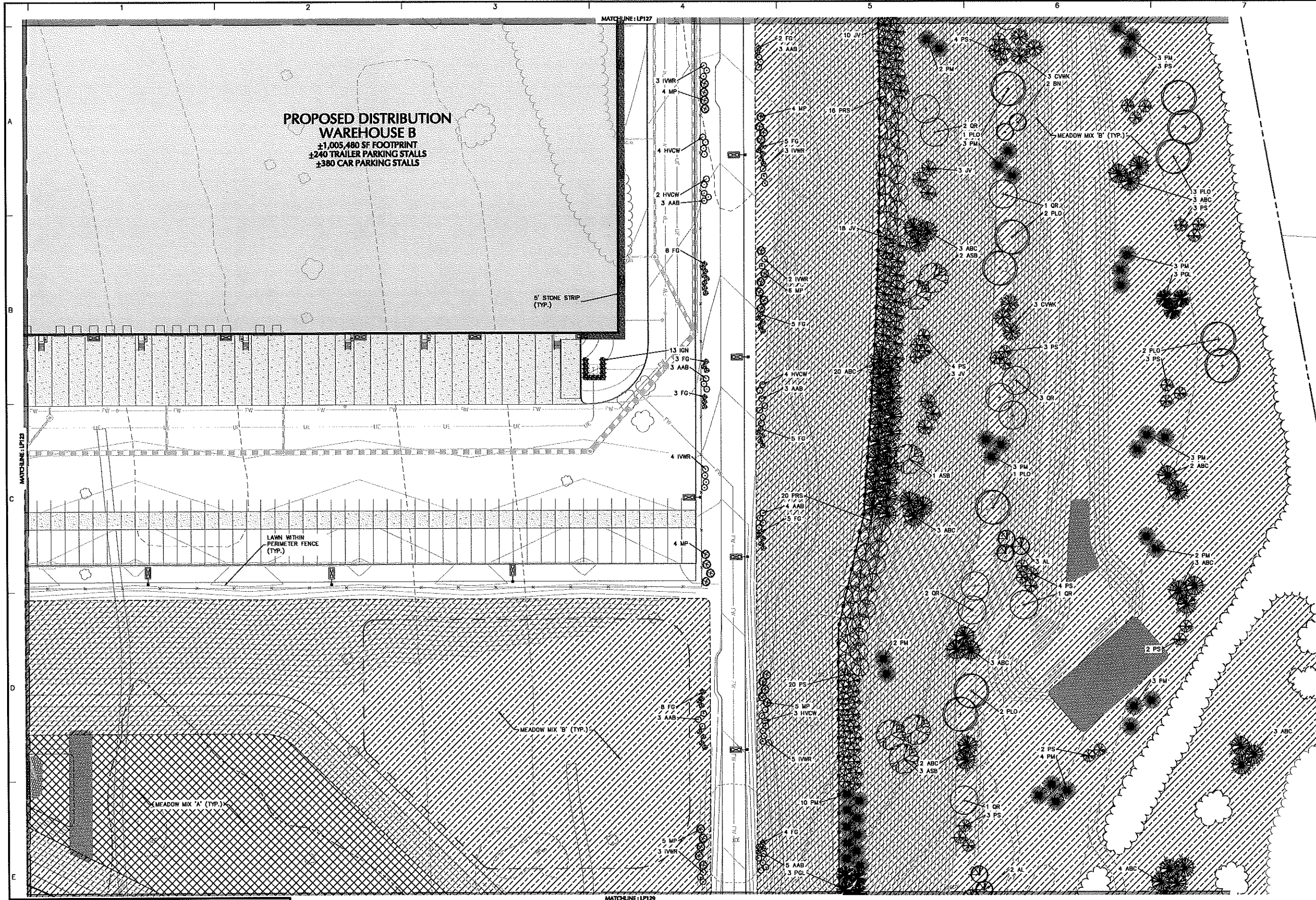
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**LANDSCAPE PLANTING PLAN XXVII**

Project No. 1510101  
Date 04-21-2020  
Drawn By KK  
Checked By MH  
Drawing No. LP127

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Drawing Title  
**LANDSCAPE PLANTING PLAN XXVIII**

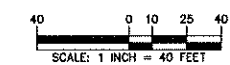
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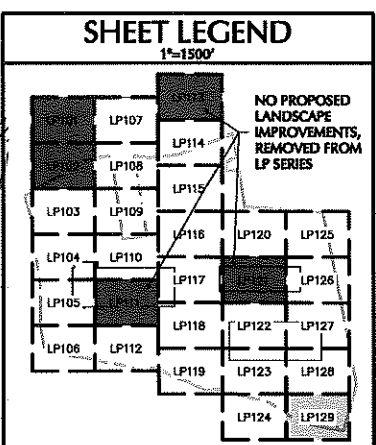
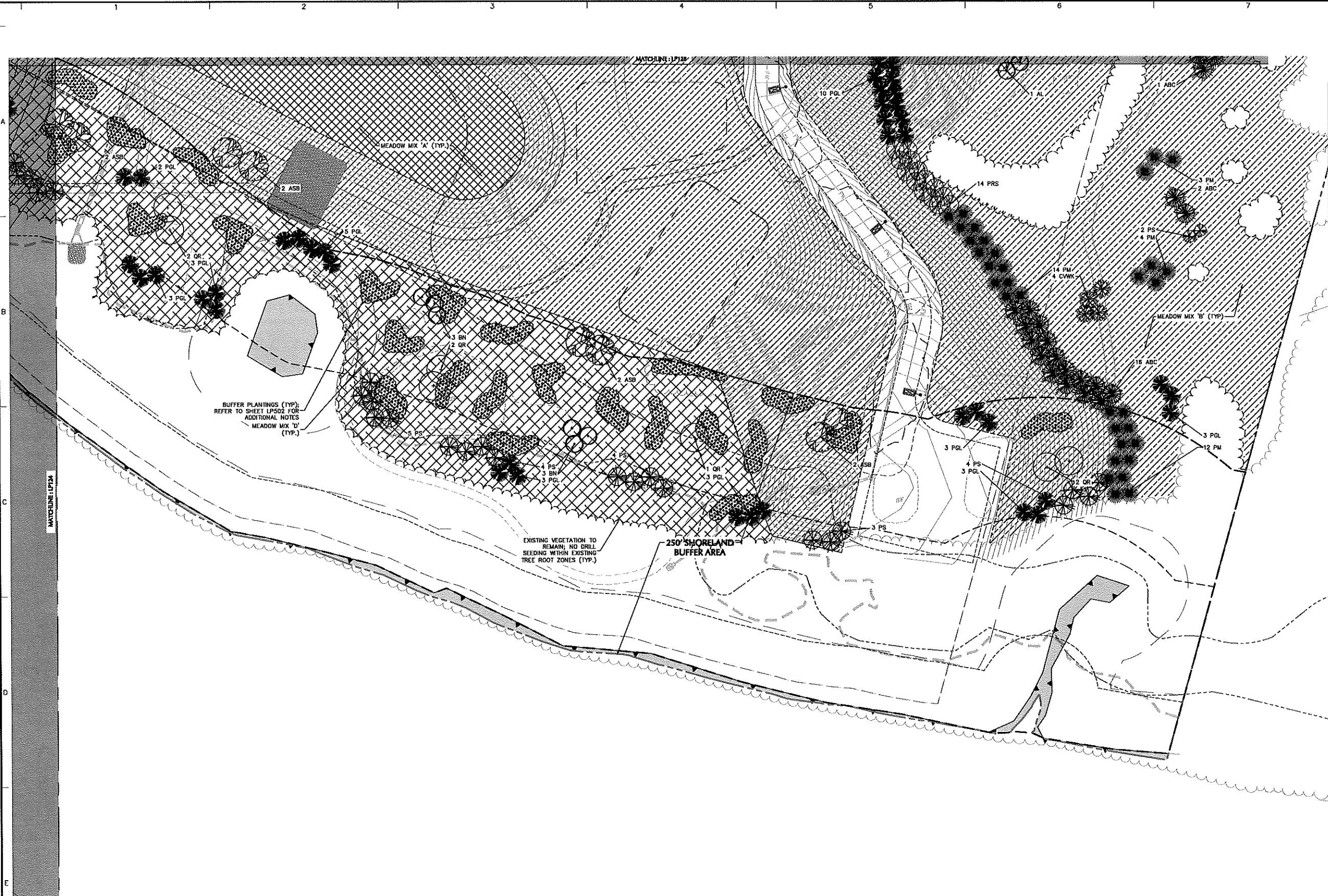
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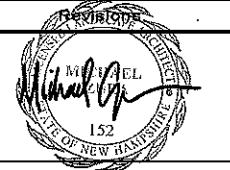


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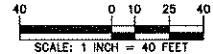
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Drawing Title  
**LANDSCAPE PLANTING PLAN XXIX**

Project No. 151010101 Drawing No. LP129  
Date 04-21-2020  
Drawn By KK  
Checked By MH

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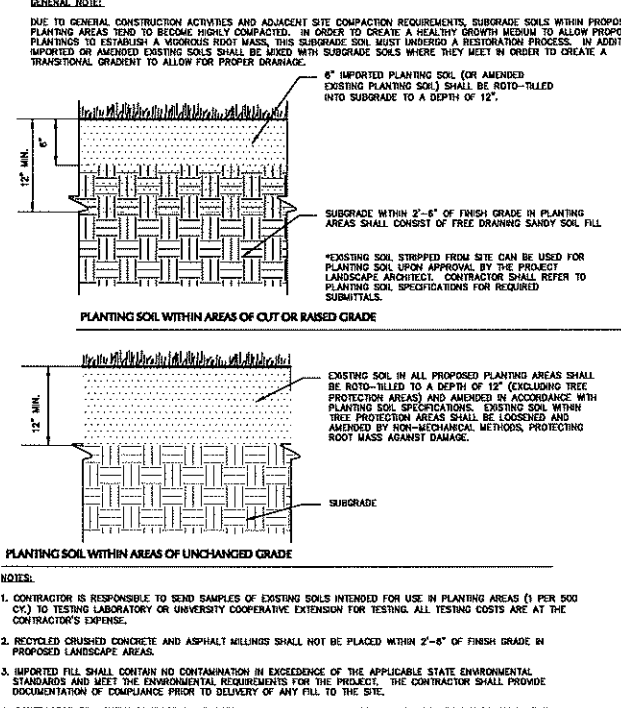
# GENERAL LANDSCAPE PLANTING NOTES

1. NAMES OF PLANTS AS DESCRIBED ON THIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED PLANT NAMES", 1942 EDITION, PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE. NAMES OF PLANT VARIETIES NOT INCLUDED THEREIN CONFORM TO NAMES GENERALLY ACCEPTED IN NURSERY TRADE.
2. ALL EXPOSED GROUND SURFACES THAT ARE NOT PAVED WITHIN THE CONTRACT LIMIT LINE, AND THAT ARE NOT COVERED BY LANDSCAPE PLANTING OR SEDGING AS SPECIFIED, SHALL BE COVERED BY A NATURAL MULCH THAT WILL PREVENT SOIL EROSION AND THE EMANATION OF DUST.
3. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR PROJECT ENGINEER.
4. STANDARDS FOR TYPE, SPREAD, HEIGHT, ROOT BALL AND QUALITY OF NEW PLANT MATERIAL SHALL BE IN ACCORDANCE WITH GUIDELINES AS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK", PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. PLANT MATERIAL SHALL HAVE NORMAL HABIT OF GROWTH AND BE HEALTHY, WOODRICE, AND FREE FROM DISEASES AND INSECT INFESTATION.
5. NEW PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE SET PLUMED AND SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANTS' ORIGINAL GRADE BEFORE DIGGING. PLANT MATERIAL OF THE SAME SPECIES AND SPECIES AS THE SAME SIZE SHOULD BE SIMILAR IN SHAPE, COLOR AND HABIT. THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT PLANT MATERIAL THAT DOES NOT CONFORM TO THE TYPICAL OR SPECIFIED HABIT OF THAT SPECIES.
6. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY AND SEWER LINES PRIOR TO THE START OF EXCAVATION ACTIVITIES. NOTIFY THE PROJECT ENGINEER AND OWNER IMMEDIATELY OF ANY CONFLICTS WITH PROPOSED PLANTING LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE.
7. THE CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS. IF THE SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, THE CONTRACTOR SHALL SUBMIT PROOF OF NON-AVAILABILITY TO THE LANDSCAPE ARCHITECT AND OWNER, TOGETHER WITH A WRITTEN PROPOSAL FOR USE OF AN EQUIVALENT MATERIAL.
8. LANDSCAPE CONTRACTOR TO STATE OUT PLANTING LOCATIONS, FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND/OR OWNER BEFORE PLANTING WORK BEGINS. THE LANDSCAPE ARCHITECT AND/OR OWNER SHALL DIRECT THE CONTRACTOR IN THE FINAL PLACEMENT OF ALL PLANT MATERIAL AND LOCATION OF PLANTING BEDS TO ENSURE COMPLIANCE WITH DESIGN INTENT UNLESS OTHERWISE INSTRUCTED.
9. THE LANDSCAPE ARCHITECT MAY REVIEW PLANT MATERIALS AT THE SITE, BEFORE PLANTING, FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. THE LANDSCAPE ARCHITECT RETAINS THE RIGHT TO RETURN PLANT MATERIALS FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEM, AND LATELY TO REJECT DEFECTIVE MATERIAL. THE CONTRACTOR SHALL REMOVE DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. THE CONTRACTOR SHALL REMOVE REJECTED PLANT MATERIALS IMMEDIATELY FROM PROJECT SITE AS DIRECTED BY THE LANDSCAPE ARCHITECT OR OWNER.
10. DELIVERY, STORAGE, AND HANDLING
  - a. PACKAGED MATERIALS. PACKAGED MATERIALS SHALL BE DELIVERED IN CONTAINERS SHOWING WEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. MATERIALS SHALL BE PROTECTED FROM DETRIORATION DURING DELIVERY, AND WHILE STORED AT SITE.
  - b. TREES AND SHRUBS. THE CONTRACTOR SHALL PROVIDE TREES AND SHRUBS DUG FOR THE GROWING SEASON FOR WHICH THEY WILL BE PLANTED. DO NOT PRUNE PRIOR TO DELIVERY UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. DO NOT RING OR BAND-TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DAMAGE BARK. BREAK BRANCHES OR DESTROY NATURAL SHAGS. PROTECT RETRACTIVE COVERING DURING TRANSPORT. DO NOT DROP BALLED AND BURLAPPED STOCK DURING DELIVERY OR HANDLING.
  - c. ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOTBALL WRAPPING AND BURLAP MATERIAL MADE OF PLASTICS SHALL BE REMOVED FROM THE TOP OF THE BALL AT THE TIME OF PLANTING. IF THE PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, THE WIRE BASKET SHALL BE CUT AND FOLDED DOWN 8 INCHES INTO THE PLANTING HOLE. WITH CONTAINER GROWN STOCK, THE BASKET SHALL BE REMOVED AND THE ROOT BALL SHALL BE CUT THROUGH THE SURFACE IN TWO LOCATIONS.
  - d. THE CONTRACTOR SHALL MAINTAIN TREES AND SHRUBS DELIVERED TO SITE AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, THE CONTRACTOR SHALL SET TREES AND SHRUBS IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE AND KEEP ROOTS MOIST BY COVERING WITH MULCH, BURLAP OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE.
11. ALL LANDSCAPED AREAS TO BE CLEARED OF ROCKS, STUMPS, TRASH AND OTHER UNSIGHTLY DEBRIS. ALL FINE GRADED AREAS SHOULD BE HAND RAISED SMOOTH ELIMINATING ANY CLUMPS AND UNLEVEL SURFACES PRIOR TO PLANTING OR SEDGING.
12. ALL PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS, NOTES AND CONTRACT SPECIFICATIONS. THE LANDSCAPE ARCHITECT MAY REVIEW INSTALLATION AND MAINTENANCE PROCEDURES.
13. NEW PLANT MATERIAL SHALL BE GUARANTEED TO BE ALIVE AND IN WOODOUS GROWING CONDITION FOR A PERIOD OF TWO YEARS FOLLOWING ACCEPTANCE BY THE OWNER. PLANT MATERIAL FOUND TO BE UNHEALTHY DURING THIS PERIOD, SHALL BE REMOVED AND REPLACED IN KIND BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
14. THE CONTRACTOR SHALL KEEP AREA CLEAN DURING DELIVERY AND INSTALLATION OF PLANT MATERIAL. REMOVE AND DISPOSE OF OFF-SITE ANY ACCUMULATED DEBRIS OR UNWANTED MATERIALS. REPAIR DAMAGE TO ADJACENT AREAS CAUSED BY LANDSCAPE INSTALLATION OPERATIONS.
15. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR AS REQUIRED BY SITE AND WEATHER CONDITIONS TO MAINTAIN WOODOUS AND HEALTHY PLANT GROWTH.
16. THE BACKFILL MIXTURE AND SOIL MIXES TO BE INSTALLED PER THE SPECIFICATIONS.
17. AFTER PLANT IS PLACED IN TREE PIT LOCATION, ALL TWINE HOLDING ROOT BALL TOGETHER SHOULD BE COMPLETELY REMOVED AND THE BURLAP SHOULD BE PULLED DOWN SO 1/2 OF THE ROOT BALL IS EXPOSED. SYNTHETIC BURLAP SHOULD BE COMPLETELY REMOVED AFTER INSTALLATION.
18. MULCH SHOULD NOT BE PILED UP AROUND THE TRUNK OF ANY PLANT MATERIAL. NO MULCH OR TOPSOIL SHOULD BE TOUCHING THE BASE OF THE TRUNK ABOVE THE ROOT COLLAR.
19. ALL FENCE INSTALLATION SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF ANY LANDSCAPE PLANTING, LAWN AND GRASSES, OR IRRIGATION WORK.
20. FOR ANY DISCREPANCIES BETWEEN THE PLANT SCHEDULE AND PLANTING PLAN THE GRAPHIC QUANTITY SHOWN SHALL GOVERN.
21. PLANT MATERIALS SHALL NOT BE PLANTED UNTIL THE FINISHED GRADING HAS BEEN COMPLETED.
22. ALL PLANT INSTALLATIONS SHALL BE COMPLETED EITHER BETWEEN APRIL 1 - JUNE 15 OR AUGUST 15 - NOVEMBER 1, UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT. SEE LAWN SEDGING DATES IN SEDGING NOTES.

# PLANTING SOIL SPECIFICATIONS

1. PLANTING SOIL, ALTERNATELY MAY BE REFERRED TO AS TOPSOIL, SHOULD BE FRIABLE, FERTILE, WELL DRAINED, FREE OF DEBRIS, TWINE, TRASH AND STONES OVER 1/2" DIA. IT SHOULD HAVE A HIGH ORGANIC CONTENT SUITABLE TO SUSTAIN HEALTHY PLANT GROWTH AND SHOULD LOOK AESTHETICALLY PLEASING HAVING NO NOXIOUS ODORS.
2. PLANTING SOIL
  - a. REUSE SURFACE SOILS STOCKPILED ON SITE, VERIFYING COMPLIANCE WITH PLANTING SOIL AND TOPSOIL CRITERIA IN THIS SPECIFICATION THROUGH TESTING. CLEAN SURFACE SOIL OF ALL ROOTS, PLANTS, SOIL AND GRAVEL OVER 1" IN DIAMETER AND SELECTED MATERIALS. IF ON-SITE SOILS ARE TO BE USED FOR PROPOSED PLANTING, THE CONTRACTOR SHALL DEMONSTRATE, THROUGH SOIL TESTING, THAT ON-SITE SOILS MEET THE SAME CRITERIA AS INDICATED IN NOTES PLANS AND SPECIFICATIONS.
  - b. SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF-SITE SOURCES WHEN TOPSOIL AND PLANTING SOIL QUANTITIES ARE INSUFFICIENT. OBTAIN SOIL SAMPLES FROM NATURALLY OCCURRING SITES WHERE TOPSOIL OCCURS AT LEAST 4" DEEP. DO NOT OBTAIN FROM FILL, TAILINGS, LANDFILL, BOGGS, MARSHES OR CONTAMINATED SITES.
  - c. CONTRACTOR SHALL TEST SOILS AND FURNISH SAMPLES UPON REQUEST. PACKAGED MATERIALS SHALL BE UNFROZEN BAGS OR CONTAINERS, EACH BEARING A NAME, GUARANTEE, AND TRADEMARK OF THE PRODUCER, MATERIAL COMPOSITION, MANUFACTURE'S CERTIFIED ANALYSIS, AND THE WEIGHT OF THE MATERIALS. SOIL OR AMENDMENT MATERIALS SHALL BE STORED ON SITE TEMPORARILY IN STOCKPILES PRIOR TO PLACEMENT AND SHALL BE PROTECTED FROM INTRUSION OF CONTAMINANTS AND EROSION. AFTER WAGING, SOIL MATERIALS SHALL BE COVERED WITH A TARP/PLAIN UNTIL TIME OF ACTUAL USE.
  - d. ALL PLANTING SOILS SHALL BE SUBMITTED FOR TESTING TO THE STATE COOPERATIVE EXTENSION SERVICE, OR APPROVED EQUAL, PRIOR TO DELIVERY TO THE SITE. CONTRACTOR SHALL FURNISH SOIL SAMPLES AND SOIL TEST RESULTS TO LANDSCAPE ARCHITECT OR OWNER AT A RATE OF ONE SAMPLE PER 500 CUBIC YARDS TO ENSURE CONSISTENCY ACROSS THE TOTAL VOLUME OF PLANTING SOIL REQUIRED. TEST RESULTS SHALL EVALUATE FOR ALL CRITERIA LISTED IN THIS SPECIFICATION. IF TESTING AGENCY DETERMINES THAT THE SOILS ARE DEFICIENT IN ANY MANNER, TESTS SHALL BE CONDUCTED BY AN APPROVED AGENCY. THE CONTRACTOR SHALL FOLLOW STATED RECOMMENDATIONS FOR SOIL IMPROVEMENT AND FURNISH SUBMITTALS FOR ALL AMENDMENTS PRIOR TO DELIVERY OF SOIL TO THE PROJECT SITE.
  - e. THE FOLLOWING TESTING SHOULD BE PERFORMED AND RESULTS GIVEN TO THE LANDSCAPE ARCHITECT FOR APPROVAL BEFORE INSTALLATION:
    - i. PARTICLE SIZE ANALYSIS - LOAMY SAND: 80-75% SAND, 25-40% SILT, AND 5-15% CLAY.
    - ii. FERTILITY: pH (6.5-8.5), SOLUBLE SALTS (LESS THAN 2 MG/100 G), NITRATE, PHOSPHATE, POTASSIUM, CALCIUM AND MAGNESIUM.
    - iii. ORGANIC MATTER CONTENT: 2.5-6% IN NATIVE SOILS, UP TO 10% IN AMENDED SOILS.
    - iv. TOXIC SUBSTANCE ANALYSIS.
    - v. MATERIAL DRAINAGE RATE: 60% PASSING IN 2 MINUTES, 40% RETAINED.
    - vi. NOT MORE THAN 1% OF MATERIAL SHALL BE RETAINED BY A #4 SIEVE.
  - f. SOIL AMENDMENT FOR PLANT MATERIAL:
    - i. IF SOIL ORGANIC CONTENT IS INADEQUATE, SOIL SHALL BE AMENDED WITH COMPOST OR ACCEPTABLE, WOOD FREE, ORGANIC MATTER. ORGANIC AMENDMENT SHALL BE WELL COMPOSTED, PH RANGE OF 6-8, MOISTURE CONTENT 35-55% BY WEIGHT 100% PASSING THROUGH #10 SIEVE; SOLUBLE SALT CONTENT LESS THAN 0.5 MG NOS/CM; MEETING ALL APPLICABLE ENVIRONMENTAL CRITERIA FOR CLEAN FILL.
    - ii. ORGANIC MATTER AS A SOIL AMENDMENT: LEAF MOULD WITH 60-80% ORGANIC CONTENT BY WEIGHT, SHREDDED LEAF LITTER, COMPOSTED FOR A MINIMUM OF 1 YR. SHOULD BE FREE OF DEBRIS, STONES OVER 1/2", WOOD CHIPS OVER 1".
  - g. SOIL IN BEDS AND PLANTING ISLANDS OTHER THAN BACKFILL MATERIAL AND TOPSOIL, SHOULD BE FRIABLE, WELL DRAINED, AND FREE OF DEBRIS, INCLUDING STONES AND TRASH.
  - h. AMENDMENTS FOR BACK FILL IN TREE AND SHRUB PIT:
    - i. GROUND LIMESTONE (WITH A MIN. OF 88% OF CALCIUM AND MAGNESIUM CARBOHYDRATES) USED PENDING RESULTS OF SOIL ANALYSIS.
      - ii. BRING PH LEVELS TO 6.5 MIN. TO 6.8 FOR NON-ERODIBLE PLANTS.
      - ii. BRING PH LEVELS TO 4.5 MIN. TO 5.5 FOR ERODIBLE PLANTS.
    - ii. TERRA-SORB BY "PLANT HEALTH CARE" 800-421-9031 (SEE MANUFACTURER RECOMMENDATIONS) USED IN PLANTER BACKFILL MIXTURE WITH TREES AND SHRUBS.
    - iii. HYDRO-ROOT SAYER BY "PLANT HEALTH CARE" 800-421-9031 (SEE MANUFACTURER RECOMMENDATIONS) USED IN BACKFILL MIXTURE WITH TREES.
3. WHERE PLANTING AREAS ARE PROPOSED FOR FORMER PAVED OR GRAVEL AREAS, BEDS SHALL BE EXCAVATED TO A MINIMUM 30" DEPTH AND, AT A MINIMUM, BE BACKFILLED WITH BOTTOM 18" OF SANDY LOAM (ORGANIC CONTENT LESS THAN 2%) OVER WHICH TOPSOIL AND PLANTING SOIL WILL BE PLACED AT THICKNESSES INDICATED IN PLANS, DETAILS AND NOTES.
4. CLEAN SOIL FILL IN LANDSCAPE AREAS: LANDSCAPE FILL MATERIAL, BELOW PLANTING SOILS, SHALL HAVE THE PHYSICAL PROPERTIES OF A SANDY LOAM WITH AN ORGANIC CONTENT OF LESS THAN 2% AND A PH BETWEEN 5.5 - 7.
5. SOIL PLACEMENT:
  - a. CONTRACTOR TO PROVIDE SIX INCHES (6") MINIMUM DEPTH PLANTING SOIL LAYER IN LAWN AREAS, TWELVE INCHES (12") MINIMUM DEPTH PLANTING SOIL LAYER IN GROUNDCOVER AND PERENNIAL AREAS, EIGHTEEN INCHES (18") MINIMUM DEPTH PLANTING SOIL LAYER IN SHRUB AREAS, AND THIRTY-SIX INCHES (36") MINIMUM DEPTH PLANTING SOIL LAYER IN TREE PLANTING AREAS.
  - b. SCARIFY AND/OR TILL COMPACTED SUBSOILS TO A MINIMUM DEPTH OF 6 INCHES, THOROUGHLY MIX A 6 INCH DEEP LAYER OF PLANTING SOIL INTO SUBSOIL. PRIOR TO PLANTING OF SANDY LOAM (ORGANIC CONTENT LESS THAN 2%) PLANTING SOIL SHALL BE PLACED IN 12-18" LIFTS AND WATER THOROUGHLY BEFORE INSTALLING NEXT LIFT. REPEAT UNTIL DEPTH AND FINISH GRADES HAVE BEEN ACHIEVED. NO SOILS SHALL BE PLACED IN A FROZEN OR MUDDY CONDITION.
  - c. PLANTING SOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO FURNISH AN ANALYSIS OF ON-SITE PLANTING SOIL UTILIZED IN ALL PLANTING AREAS.
  6. SOIL CONDITIONS:
    - a. ADJUST PH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE GROWING MEDIUM. LOWER pH USING ELEMENTAL SULFUR ONLY. PEAT MOSS OR DOPPER SULFATE MAY NOT BE USED. GROUND LIMESTONE AS A SOIL AMENDMENT MATERIAL WILL ONLY BE USED PENDING RESULTS OF SOIL ANALYSIS. SOIL AMENDMENTS WITH CALCIUM AND MAGNESIUM CARBOHYDRATES SHALL HAVE TOTAL 100% PASSING THE 10 MESH SIEVE, MINIMUM 60% PASSING 20 MESH SIEVE, AND MINIMUM 60% PASSING 100 MESH SIEVE.
    - b. MOODY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED FINE BARK (UP TO 50% BY VOLUME) AND/OR COMPOST. COARSE SAND MAY BE USED IF FINISH GRADE IS TO BE PLACED ON BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES.
    - c. MOODY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

# LANDSCAPE PLANTING DETAILS



# 1 PLANTING SOIL

1. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING SOILS INTENDED FOR USE IN PLANTING AREAS (1 PER 500 CY) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE.

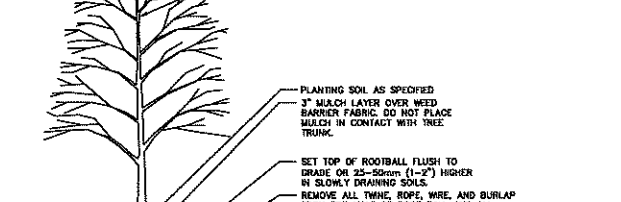
2. RECYCLED CRUSHED CONCRETE AND ASPHALT MILLINGS SHALL NOT BE PLACED WITHIN 2"-8" OF FINISH GRADE IN PROPOSED LANDSCAPE AREAS.

3. IMPORTED FILL SHALL CONTAIN NO CONTAMINATION IN EXCESS OF THE APPLICABLE STATE ENVIRONMENTAL STANDARDS AND MEET THE ENVIRONMENTAL REQUIREMENTS FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF COMPLIANCE PRIOR TO DELIVERY OF ANY FILL TO THE SITE.

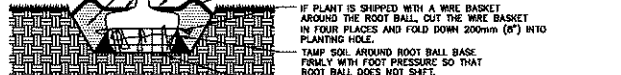
4. CONTRACTOR TO LIGHTLY COMPACT ALL PLACED PLANTING SOILS AND RAISE GRADES ACCORDINGLY TO ALLOW FOR FUTURE SETTLEMENT OF PLANTING SOILS (TYP.).

5. NO STONES, WOOD CHIPS, OR DEBRIS LARGER THAN 1/2" SHALL BE ACCEPTABLE WITHIN PLANTING AREAS.

# 2 TREE PLANTING



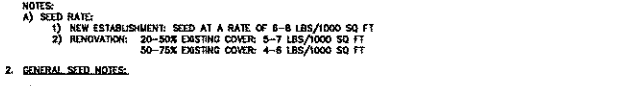
# 3 SHRUB AND ORNAMENTAL GRASS PLANTING



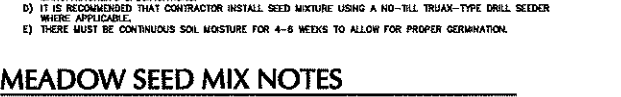
# 4 GROUNDCOVER/ PERENNIAL PLANTING



# 5 PARKING LOT ISLAND PLANTING



# 6 DECORATIVE RIVERSTONE



# LANDSCAPE MAINTENANCE NOTES

1. MAINTENANCE OPERATIONS BEFORE APPROVAL:
  - a. PLANT CARE SHALL BEGON IMMEDIATELY AFTER EACH PLANT IS SATISFACTORILY INSTALLED AND SHALL CONTINUE THROUGHOUT THE LIFE OF THE CONTRACT UNTIL FINAL ACCEPTANCE OF THE PROJECT.
  - b. CARE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY GROWTH OR OTHER MEANS, REPAIRING AND RESHAPING WATER RIDGES OR SAUCERS, MAINTAINING STAKES AND GUYS AS ORIGINALLY INSTALLED, WATERING WHEN NEEDED OR DIRECTED, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE PLANTS IN A HEALTHY CONDITION.
  - c. CONTRACTOR SHALL REMOVE AND REPLACE ALL DEAD, DEFECTIVE AND/OR REJECTED PLANTS AS REQUIRED BEFORE FINAL ACCEPTANCE.
2. MAINTENANCE DURING CONSTRUCTION:
  - a. MAINTENANCE SHALL BEGON IMMEDIATELY AFTER PLANTING. PLANTS SHALL BE WATERED, WEEDED, PRUNED, SPRAYED, FERTILIZED, CULTIVATED, AND OTHERWISE MAINTAINED AND PROTECTED UNTIL PROVISIONAL ACCEPTANCE. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE AND POSITION, PLANTING SAUCER RESTORED AND DEAD MATERIAL REMOVED. STAKES AND WIRES SHALL BE TIGHTENED AND REPAIRED. DEFECTIVE WORK SHALL BE CORRECTED AS SOON AS POSSIBLE AFTER IT BECOMES APPARENT AND WEATHER AND SEASON PERMIT.
  - b. IF A SUBSTANTIAL NUMBER OF PLANTS ARE SOILY OR DEAD AT THE TIME OF INSPECTION, ACCEPTANCE SHALL NOT BE GRANTED AND THE CONTRACTOR'S RESPONSIBILITY FOR MAINTENANCE OF ALL PLANTS SHALL BE EXTENDED FROM THE TIME REPLACEMENTS ARE MADE OR EXISTING PLANTS ARE DEEMED ACCEPTABLE BY THE LANDSCAPE ARCHITECT.
  - c. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE SPECIFIED ON THE PLANT LIST OR THAT WHICH WAS TO REMAIN OR BE RELOCATED. THEY SHALL BE FURNISHED AND PLANTED AS SPECIFIED. THE COST SHALL BE BORNE BY THE CONTRACTOR. REPLACEMENTS RESULTING FROM REMOVAL, LOSS OR DAMAGE DUE TO OCCUPANCY OF THE PROJECT IN ANY PART, VANDALISM, PHYSICAL DAMAGE BY ANIMALS, VEHICLES, ETC., AND LOSSES DUE TO CONTAMINATION OF WATER BY LOCAL AUTHORITIES SHALL BE APPROVED AND PAID FOR BY THE OWNER.
  - d. PLANTS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER INSPECTION AND PROVISIONAL ACCEPTANCE.
  - e. AT THE END OF THE ESTABLISHMENT PERIOD, INSPECTION SHALL BE MADE AGAIN. ANY PLANT REQUIRED UNDER THIS CONTRACT THAT IS DEAD OR UNSATISFACTORY TO THE LANDSCAPE ARCHITECT OR OWNER SHALL BE REMOVED FROM THE SITE AND REPLACED DURING THE NORMAL PLANTING SEASON.
3. LAWN MAINTENANCE:
  - a. BEGON MAINTENANCE IMMEDIATELY AFTER EACH PORTION OF LAWN IS PLANTED AND CONTINUE FOR 8 WEEKS AFTER ALL LAWN PLANTING IS COMPLETED.
  - b. WATER TO KEEP SURFACE SOIL MOIST. REPAIR WASHED OUT AREAS BY FILLING WITH TOPSOIL, LIMING, FERTILIZING AND RE-SEEDING. MOW TO 2 1/2 - 3 INCHES AFTER GRASS REACHES 3 1/2 INCHES IN HEIGHT, AND MOW FREQUENTLY ENOUGH TO KEEP GRASS FROM EXCEEDING 3 1/2 INCHES. WEED BY LOCAL SPOT APPLICATION OF SELECTIVE HERBICIDE ONLY AFTER GRASS IS WELL-ESTABLISHED.

# MEADOW SEED NOTES

- MEADOW SEED MIX A - ERNST SEED MIX ERNWX-163 (NATIVE DETENTION AREA MIX)**
- |  |                                       |
|--|---------------------------------------|
| 30% PANICUM CLAMIDESTRUM, "MOGA"           | DEERTONGUE, "MOGA"                    |
| 5% CAEXX VULPULINUS, "MAGNUS"              | FOX SEED                              |
| 20% ELYMUS VIRGINICUS                      | VERGIRA WILDYRE                       |
| 20% PANICUM VIRGATUM, "SHAWNEE"            | SWITCHGRASS, "SHAWNEE"                |
| 1% ALOPECURUS PERENNANS, ALABAMA PINE BUSH | SULTAN BEARDTONGUE, ALABAMA PINE BUSH |
| 2% JARVIS TENNIS                           | PATH RUSH                             |
| 1% ANCHOUS ETYLIUS                         | SOFT RUSH                             |
| 1% PANICUM INDIVIDUUM                      | REDTOP PANICGRASS                     |
- NOTES:  
1. SEED AT A RATE OF 20 LBS./ACRE OF 100% PURE LIVE SEED.
- MEADOW SEED MIX B - ERNST SEED MIX ERNWX-161 (NATIVE STEP SLOPE MIX WITH ANNUAL RYEGRASS)**
- |                            |                        |
|----------------------------|------------------------|
| 22% SORGHASTRUM NUTANS     | INDIANGRASS            |
| 20% LOXUM MULTIFLORUM      | ANNUAL RYEGRASS        |
| 17% SOLEACHRYM SCOPARIUM   | LYTLE BULLESTEM        |
| 10% ELYMUS CANADENSIS      | CANADA WILDYRE         |
| 5% ELYMUS VIRGINICUS       | VERGIRA WILDYRE        |
| 1% ALOPECURUS PERENNANS    | AUTUMN CENTAURUS       |
| 4% AGROSTIS SCABRA         | INDLEGRASS             |
| 4% TRITONS PLAINS          | PURPLETOP              |
| 2% CHAMAECOSTA FASCICULATA | PARTICHOPE PEA         |
| 2% ECHINACEA PURPUREA      | WINDFLOWER             |
| 1% COREOPUS LAEVOLOLATA    | WINDFLOWER             |
| 1% LIASTRIS SPICATA        | MARSH BLAZING STAR     |
| 1% MONARDA PICTEOLATA      | MUD BURGOMASTER        |
| 1% PENSTEMON DIGITALIS     | TALL WHITE BEARDTONGUE |
| 1% RUBROCOXA HIRTA         | BLACKEYED SUSAN        |
- NOTES:  
SEED AT A RATE OF 80 LBS./ACRE OF 100% PURE LIVE SEED.
- MEADOW SEED MIX C - NEW ENGLAND WETLAND PLANTS, INC. (NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOST SITES)**
- |                          |   |
|--------------------------|---|
| ROVERBANK WILD RYE       | ELYMUS RIPARIUS                             |
| PREPARED RED FESCUE      | TRENTON BURN                                |
| LITTLE BLUESTEM          | SCHIZACHRYM SCOPARIUM                       |
| BIG BLUESTEM             | ANTENNARIUM                                 |
| SWITCH GRASS             | PANICUM VIRGATUM                            |
| HOLLAND BROTGRASS        | AGROSTIS PERENNANS                          |
| MOODING BUR MARSHDOG     | BODICEA CENARIA                             |
| UPLAND-STEM JOE PYE WEED | EUPATORIUM FISTULOSUM/EUPROCHIUM FISTULOSUM |
| IRON NODDLE AND ASTER    | VERGIRA WILDYRE                             |
| BONSET                   | EUPATORIUM PERFORIATUM                      |
| BLUE VERVAN              | VERBENA HASTATA                             |
| SOFT RUSH                | JARVIS TENNIS                               |
| WOOL GRASS               | SORBUS CYPERINUS                            |
- NOTES:  
SEED AT A RATE OF 35 LBS./ACRE OF 100% PURE LIVE SEED.
- MEADOW SEED MIX D - ERNST SEED MIX ERNWX-123 (NATIVE UPLAND WILDLIFE FORAGE & COVER MEADOW MIX)**
- |  |                             |
|--|-----------------------------|
| 34.9% ANDROPOGON GERARDUS, "HAGARA"    | BIG BLUESTEM, "HAGARA"      |
| 27.0% PANICUM VIRGATUM, "DAVE-IN-ROCK" | SWITCHGRASS, "DAVE-IN-ROCK" |
| 21.0% ELYMUS VIRGINICUS, "MADISON"     | VERGIRA WILDYRE, "MADISON"  |
| 9.0% SORGHASTRUM NUTANS, "TOMAHAWK"    | INDIANGRASS, "TOMAHAWK"     |
| 3.0% RUBROCOXA HIRTA                   | BLACKEYED SUSAN             |
| 2.2% CHAMAECOSTA FASCICULATA           | PARTRIDGE PEA               |
| 1.5% HELIOPSIS HELIANTHUS              | OXEYE SPANFLOWER            |
| 1.0% DOROPIS INCIGNITA                 | PLAINS CORCOFFS             |
| 0.4% DENDRUM CANADENSE                 | ANTENNARIUM                 |
| 0.1% ASCLEPIAS SYRACA                  | COMMON MILKWEED             |
| 0.1% MONARDA FISTULOSA                 | WILD BERGAMOT               |
- NOTES:  
SEED AT A RATE OF 20 LB./ACRE OF 100% PURE LIVE SEED.

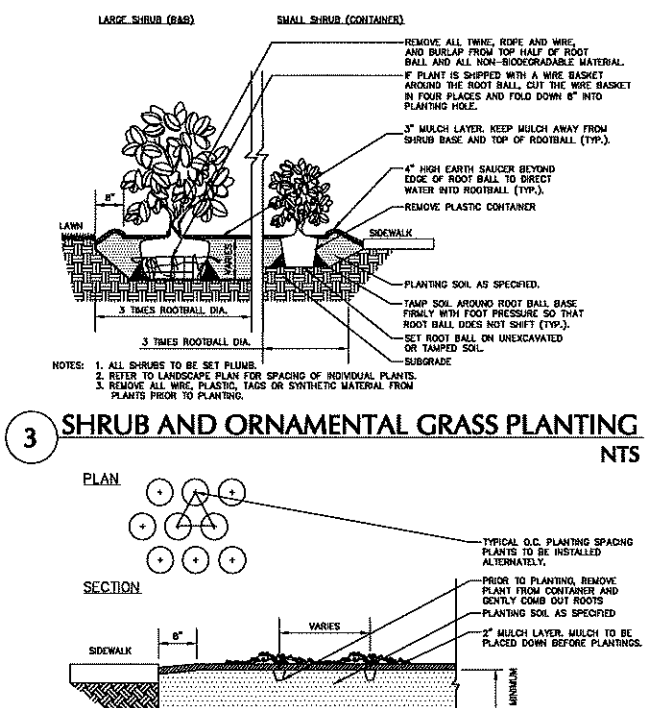
## APPROVAL BLOCK

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

PLANNING BOARD CHAIRMAN: _____	SIGNATURE DATE: _____
PLANNING BOARD SECRETARY: _____	SIGNATURE DATE: _____

NOTE: PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF THE PLANNING BOARD MEETING FINAL APPROVAL. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

# LANDSCAPE PLANTING DETAILS



# 1 PLANTING SOIL

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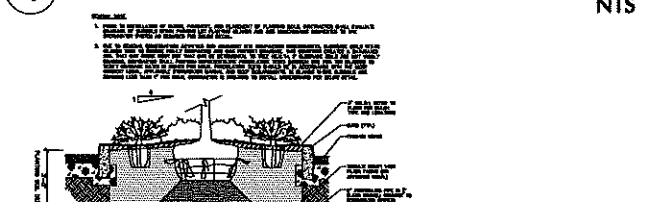
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4. CONTRACTOR TO LIGHTLY COMPACT ALL PLACED PLANTING SOILS AND RAISE GRADES ACCORDINGLY TO ALLOW FOR FUTURE SETTLEMENT OF PLANTING SOILS (TYP.).

5. NO STONES, WOOD CHIPS, OR DEBRIS LARGER THAN 1/2" SHALL BE ACCEPTABLE WITHIN PLANTING AREAS.

# 2 TREE PLANTING



### DEVELOPMENT & SOUTHERN BERM PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
<b>SHADE TREE(S)</b>						
AR	44	ACER RUBRUM	RED MAPLE	2 1/2-3" CAL.	B+B	-
ASB	56	ACER SACCHARUM BONFIRE	BONFIRE SUGAR MAPLE	2 1/2-3" CAL.	B+B	-
GB	59	GINKGO BILOBA	MAIDENHAIR TREE GINKO	2 1/2-3" CAL.	B+B	-
GTSB	59	GLEDITSIA TRIACANTHOS INERMIS 'SUNBURST'	SUNBURST HONEY LOCUST	2 1/2-3" CAL.	B+B	-
LST	44	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEETGUM	2 1/2-3" CAL.	B+B	-
LT	51	LIRIODENDRON TULIPIFERA	TULIP POPLAR	2 1/2-3" CAL.	B+B	-
PLO	91	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2 1/2-3" CAL.	B+B	-
QR	91	QUERCUS RUBRA	RED OAK	2 1/2-3" CAL.	B+B	-
TCG	62	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2 1/2-3" CAL.	B+B	-
<b>UNDERSTORY TREE(S)</b>						
AL	16	AMELANCHIER CANADENSIS	SHADBLW SERVICEBERRY	8-10'	B+B	-
BN	14	BETULA NIGRA 'DURA HEAT'	MULTI STEM RIVER BIRCH	12-14'	B+B	-
CC	12	CERCIS CANADENSIS 'ROYAL WHITE'	EASTERN REDBUD	2-2 1/2" CAL.	B+B	-
CVWK	14	CRATAEGUS VIRIDIS 'WINTER KING'	WINTER KING HAWTHORN	2-2 1/2" CAL.	B+B	-
<b>EVERGREEN TREE(S)</b>						
ABC	162	ABIES CONCOLOR	WHITE FIR	6-7'	B+B	-
CT	44	CHAMEACYPARIS THYOIDES	ATLANTIC WHITE CEDAR	6-7'	B+B	-
JV	106	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6-7'	B+B	-
PGL	94	PICEA GLAUCA	WHITE SPRUCE	6-7'	B+B	-
PM	171	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	6-7'	B+B	-
PRS	135	PINUS RESINOSA	RED PINE	6-7'	B+B	-
PS	140	PINUS STROBUS	EASTERN WHITE PINE	6-7'	B+B	-
<b>EVERGREEN SHRUB(S)</b>						
IGN	175	ILEX GLABRA 'NIGRA'	NIGRA INKBERRY	30-36"	CONTAINER	-
IGS	193	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	24-30"	CONTAINER	-
<b>DECIDUOUS SHRUB(S)</b>						
AAB	403	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	RED CHOKEBERRY	3-4'	CONTAINER	-
CAH	478	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	SWEET PEPPERBUSH	2-3'	CONTAINER	-
CS	332	CORNUS SERICEA (FORMERLY STOLONIFERA)	RED OSIER DOGWOOD	2-3'	CONTAINER	-
CSF	415	CORNUS SERICEA 'FLAVIRAMEA'	YELLOW TWIG DOGWOOD	2-3'	CONTAINER	-
FG	487	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	2-3'	CONTAINER	-
HVCW	317	HAMAMELIS VIRGINIANA	COMMON WITCHHAZEL	3-4'	CONTAINER	-
IVWR	115	ILEX VERTICILLATA 'WINTER RED'	WINTER RED WINTERBERRY HOLLY	2-3'	CONTAINER	-
MP	311	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	30-36"	CONTAINER	-
RAG	314	RHUS AROMATICA 'GRO LOW'	GRO LOW FRAGRANT SUMAC	2-3'	CONTAINER	-
VD	375	VBURNUM DENTATUM	ARROWWOOD VBURNUM	3-4'	CONTAINER	-
<b>GROUND COVER</b>						
AU	447	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	12-15"	CONTAINER	spaced @ 18" o.c.
BPA	484	BAPTISIA AUSTRALIS	BLUE FALSE INDIGO	2 GAL	CONTAINER	spaced @ 24" o.c.
JHBH	450	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	18"-24" SPREAD	CONTAINER	spaced @ 24" o.c.
<b>ORNAMENTAL GRASS(ES)</b>						
BGBA	477	BOUTELOUA GRACILIS 'BLONE AMBITION'	BLUE GRAMA GRASS	2 GAL.	CONTAINER	spaced @ 18" o.c.
DCS	540	DESCHAMPSIA CESPITOSA 'SCHOTTLAND'	SCOTTISH TUFTED HAIR GRASS	2 GAL.	CONTAINER	spaced @ 24" o.c.
PVHM	380	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCH GRASS	2 GAL.	CONTAINER	-
PVS	186	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	2 GAL.	CONTAINER	-
SSCO	176	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	2 GAL.	CONTAINER	-

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

### 250' SHORELAND BUFFER PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
<b>SHADE TREE(S)</b>						
62	ACER RUBRUM	RED MAPLE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	ACER SACCHARUM	SILVER MAPLE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	ACER SACCHARUM	SUGAR MAPLE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
ASB	36	ACER SACCHARUM 'BONFIRE'	BONFIRE SUGAR MAPLE	2 1/2-3" CAL.	B+B	-
62	FAGUS GRANDIFOLIA	AMERICAN BEECH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	LIRIODENDRON TULIPIFERA	TULIP TREE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	PRUNUS SEROTINA	BLACK CHERRY TREE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	QUERCUS COCCONEA	SCARLET OAK	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	QUERCUS PALUSTRIS	PIN OAK	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	QUERCUS RUBRA	RED OAK	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
QR	50	QUERCUS RUBRA	RED OAK	2 1/2-3" CAL.	B+B	-
62	QUERCUS VELUTINA	BLACK OAK	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	TILIA CORDATA	LITTLE LEAF LINDEN	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
<b>UNDERSTORY TREE(S)</b>						
62	AMELANCHIER CANADENSIS	SHADBLW SHADBLW	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
BN	52	BETULA NIGRA	MULTI-STEM RIVER BIRCH	12-14'	B+B	MULTI-STEM
62	BETULA NIGRA	MULTI-STEM RIVER BIRCH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	BETULA POPULIFOLIA	GRAY BIRCH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
<b>EVERGREEN TREE(S)</b>						
62	ABIES BALSAMEA	BALSAM FIR	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	ABIES CONCOLOR	WHITE FIR	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
PGL	151	PICEA GLAUCA	WHITE SPRUCE	6-7'	B+B	-
62	PICEA GLAUCA	WHITE SPRUCE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	PINUS RESINOSA	RED PINE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	PINUS STROBUS	EASTERN WHITE PINE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
PS	98	PINUS STROBUS	EASTERN WHITE PINE	6-7'	B+B	-
<b>EVERGREEN SHRUB(S)</b>						
62	ILEX GLABRA	INKBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
<b>DECIDUOUS SHRUB(S)</b>						
62	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	RED CHOKEBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	FOTHERGILLA MAJOR	FOTHERGILLA	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	HAMAMELIS VIRGINIANA	COMMON WITCHHAZEL	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	ILEX VERTICILLATA	WINTERBERRY HOLLY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	RHUS AROMATICA	FRAGRANT SUMAC	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	RHUS TYPHINA	STAGHORN SUMAC	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	VBURNUM CASSINOIDES	WITHEROD VBURNUM	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	VBURNUM DENTATUM	ARROWWOOD VBURNUM	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
62	VBURNUM LENTAGO	NANNYBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	

250' SHORELAND BUFFER NOTES:  
1. SHRUBS ARE TO BE LOCATED IN CLUSTERS APPROXIMATELY 8'-10' ON CENTER, WITH CLUSTERS LOCATED APPROXIMATELY 15'-20' APART.  
2. REFER TO SHEET LP501 FOR SEEDING INFORMATION WITHIN SHORE LAND BUFFER.  
3. IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

### 50' WETLAND BUFFER PLANT SCHEDULE

QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
<b>SHADE TREE(S)</b>					
148	NYSSA SYVATICA	RED MAPLE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	QUERCUS BICOLOR	SUGAR MAPLE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
<b>UNDERSTORY TREE(S)</b>					
148	BETULA NIGRA	MULTI-STEM RIVER BIRCH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	BETULA POPULIFOLIA	GRAY BIRCH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
<b>EVERGREEN TREE(S)</b>					
148	ABIES BALSAMEA	BALSAM FIR	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	ABIES CONCOLOR	WHITE FIR	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	CHAMEACYPARIS THYOIDES	ATLANTIC WHITE CEDAR	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	PICEA GLAUCA	WHITE SPRUCE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	PINUS RESINOSA	RED PINE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	PINUS STROBUS	EASTERN WHITE PINE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
<b>DECIDUOUS SHRUB(S)</b>					
148	ALNUS INCANA	SPECKLED ALDER	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	RED CHOKEBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	CLETHRA ALNIFOLIA	SWEET PEPPERBUSH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	COMPTONIA PERGRINA	SWEETFERN	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	CORNUS AMOMUM	SILKY DOGWOOD	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	CORNUS SERICEA	RED OSIER DOGWOOD	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	CORYLUS CORNUTA	BEAKED HAZEL	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	ILEX MUCRONATA	MOUNTAIN HOLLY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	ILEX VERTICILLATA	WINTERBERRY HOLLY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	SALIX BEBBIANA	BEB'S WILLOW	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	SALIX DISCOLOR	PUSSY WILLOW	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	SPIRAEA TOMENTOSA	STEEPLEBUSH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.
148	VBURNUM TRILOBUM	AMERICAN CRANBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.

50' WETLAND BUFFER NOTES:  
1. SHRUBS ARE TO BE LOCATED IN CLUSTERS APPROXIMATELY 8'-10' ON CENTER, WITH CLUSTERS LOCATED APPROXIMATELY 10'-12' APART.  
2. SHRUB CLUSTERS ARE TO BE LOCATED BETWEEN 25' AND 50' FROM EDGE OF WETLAND; NO PLANTING TO OCCUR WITHIN 25' OF WETLAND EDGE.  
3. REFER TO SHEET LP501 FOR SEEDING INFORMATION WITHIN 50' WETLAND BUFFER. NO SEEDING TO OCCUR WITHIN 25' OF WETLAND EDGE.  
4. ALL EXISTING SAND TRAPS ARE TO REMAIN TO PROMOTE WILDLIFE HABITAT.  
5. ONLY SEED MIX SHOULD BE INSTALLED WITHIN 15' OF SAND TRAPS.  
6. IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

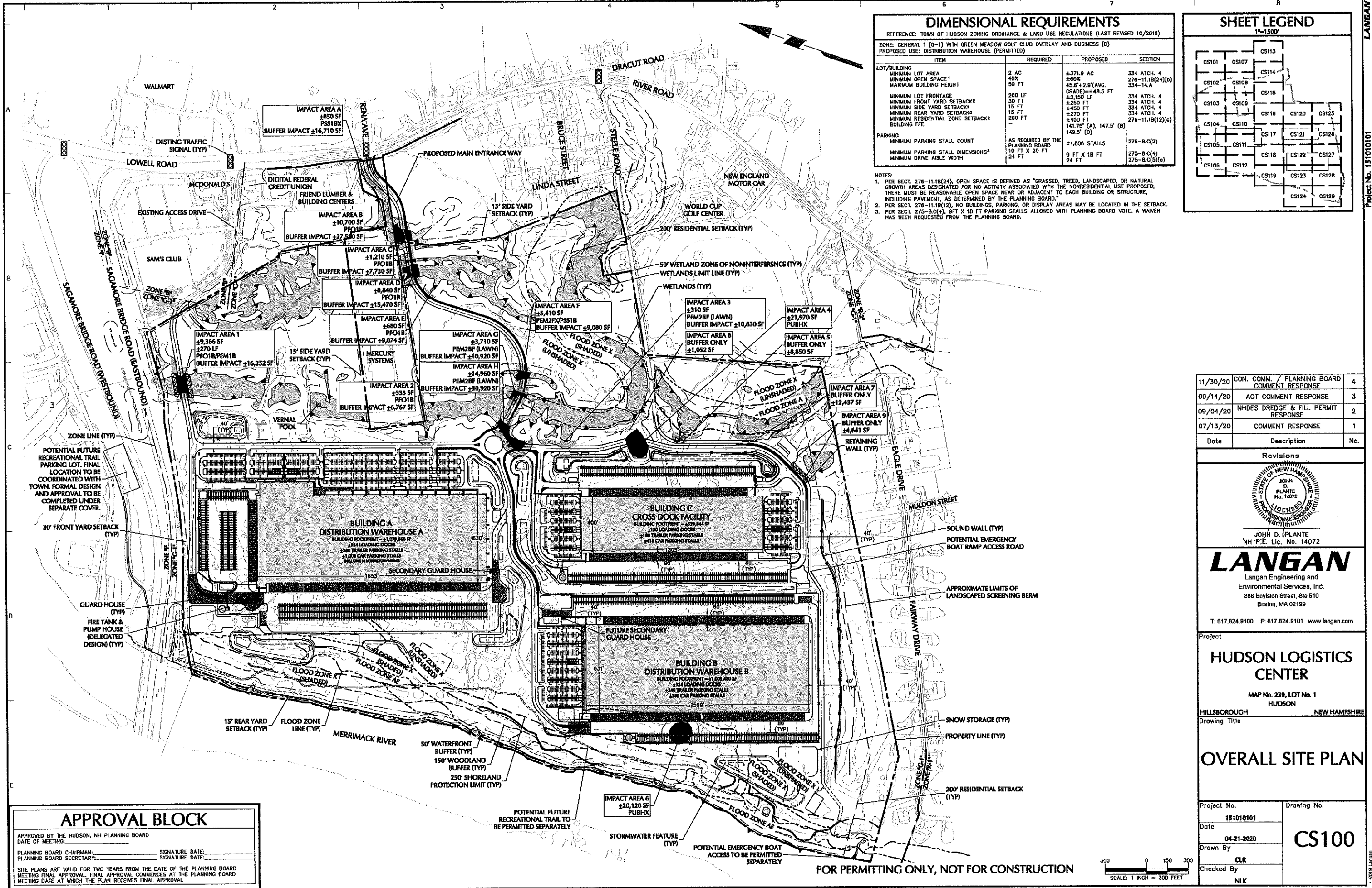
### UPLAND RESTORATION AREA PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
<b>SHADE TREE(S)</b>						
53	ACER RUBRUM	RED MAPLE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	ACER SACCHARUM	SUGAR MAPLE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	FAGUS GRANDIFOLIA	AMERICAN BEECH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	LIRIODENDRON TULIPIFERA	TULIP TREE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
PO	23	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2 1/2-3" CAL.	B+B	-
53	PRUNUS SEROTINA	BLACK CHERRY TREE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	QUERCUS COCCONEA	SCARLET OAK	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	QUERCUS PALUSTRIS	PIN OAK	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
QR	24	QUERCUS RUBRA	RED OAK	2 1/2-3" CAL.	B+B	-
53	QUERCUS VELUTINA	BLACK OAK	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	TILIA CORDATA	LITTLE LEAF LINDEN	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
<b>UNDERSTORY TREE(S)</b>						
53	AMELANCHIER CANADENSIS	SHADBLW SERVICEBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	BETULA NIGRA	MULTI-STEM RIVER BIRCH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	BETULA POPULIFOLIA	GRAY BIRCH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
<b>EVERGREEN TREE(S)</b>						
53	ABIES BALSAMEA	BALSAM FIR	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	ABIES CONCOLOR	WHITE FIR	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	PICEA GLAUCA	WHITE SPRUCE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	PINUS RESINOSA	RED PINE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	PINUS STROBUS	EASTERN WHITE PINE	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
<b>EVERGREEN SHRUB(S)</b>						
53	ILEX GLABRA	INKBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	JUNIPERUS COMMUNIS	COMMON JUNIPER	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
<b>DECIDUOUS SHRUB(S)</b>						
53	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	RED CHOKEBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	CLETHRA ALNIFOLIA	SWEET PEPPERBUSH	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	COMPTONIA PERGRINA	SWEETFERN	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	CORYLUS CORNUTA	BEAKED HAZEL	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	FOTHERGILLA MAJOR	FOTHERGILLA	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	HAMAMELIS VIRGINIANA	COMMON WITCHHAZEL	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	ILEX VERTICILLATA	WINTERBERRY HOLLY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	RHUS TYPHINA	STAGHORN SUMAC	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	VACCINIUM ANGUSTIFOLIUM	LOWBUSH BLUEBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	VBURNUM CASSINOIDES	WITHEROD VBURNUM	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	VBURNUM DENTATUM	ARROWWOOD VBURNUM	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	
53	VBURNUM LENTAGO	NANNYBERRY	1 GAL.	CONTAINER	spaced @ 8-10' o.c.	

UPLAND RESTORATION NOTES:  
1. SHRUBS ARE TO BE LOCATED IN CLUSTERS APPROXIMATELY 10'-12' ON CENTER, WITH CLUSTERS LOCATED APPROXIMATELY 15'-20' APART.  
2. ALL EXISTING SAND TRAPS ARE TO REMAIN TO PROMOTE WILDLIFE HABITAT.  
3. ONLY SEED MIX SHOULD BE INSTALLED WITHIN 15' OF SAND TRAPS.  
4. REFER TO SHEET LP501 FOR SEEDING INFORMATION WITHIN UPLAND RESTORATION AREA.  
5. IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

### APPROVAL BLOCK

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_  
PLANNING BOARD CHAIRMAN: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
PLANNING BOARD SECRETARY: \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF THE PLANNING BOARD MEETING FINAL APPROVAL. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

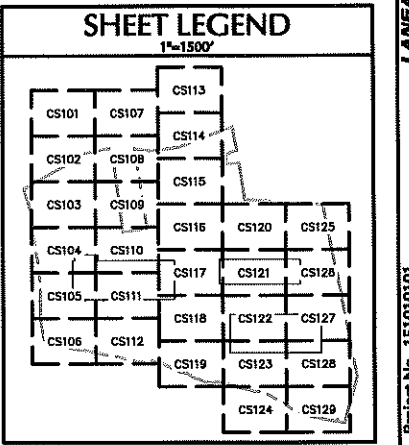


### DIMENSIONAL REQUIREMENTS

REFERENCE: TOWN OF HUDSON ZONING ORDINANCE & LAND USE REGULATIONS (LAST REVISED 10/2015)  
 ZONE: GENERAL 1 (G-1) WITH GREEN MEADOW GOLF CLUB OVERLAY AND BUSINESS (B)  
 PROPOSED USE: DISTRIBUTION WAREHOUSE (PERMITTED)

ITEM	REQUIRED	PROPOSED	SECTION
LOT/BUILDING			
MINIMUM LOT AREA	2 AC	±371.9 AC	334 ATCH. 4
MINIMUM OPEN SPACE <sup>1</sup>	40%	±60%	276-11.18(24)(b)
MAXIMUM BUILDING HEIGHT	50 FT	45.6'+2.9'(AVG. GRADE)±48.5 FT	334-14.A
MINIMUM LOT FRONTAGE	200 LF	±2,150 LF	334 ATCH. 4
MINIMUM FRONT YARD SETBACK <sup>2</sup>	30 FT	±250 FT	334 ATCH. 4
MINIMUM SIDE YARD SETBACK <sup>3</sup>	15 FT	±450 FT	334 ATCH. 4
MINIMUM REAR YARD SETBACK <sup>3</sup>	15 FT	±270 FT	334 ATCH. 4
MINIMUM RESIDENTIAL ZONE SETBACK <sup>2</sup>	200 FT	±450 FT	276-11.18(12)(c)
BUILDING FFE	-	141.75' (A), 147.5' (B), 149.5' (C)	
PARKING			
MINIMUM PARKING STALL COUNT	AS REQUIRED BY THE PLANNING BOARD	±1,806 STALLS	275-B.C(2)
MINIMUM PARKING STALL DIMENSIONS <sup>3</sup>	10 FT X 20 FT	9 FT X 18 FT	275-B.C(4)
MINIMUM DRIVE AISLE WIDTH	24 FT	24 FT	275-B.C(5)(c)

NOTES:  
 1. PER SECT. 276-11.18(24), OPEN SPACE IS DEFINED AS "GRASSED, TREED, LANDSCAPED, OR NATURAL GROWTH AREAS DESIGNATED FOR NO ACTIVITY ASSOCIATED WITH THE NONRESIDENTIAL USE PROPOSED; THERE MUST BE REASONABLE OPEN SPACE NEAR OR ADJACENT TO EACH BUILDING OR STRUCTURE, INCLUDING PAVEMENT, AS DETERMINED BY THE PLANNING BOARD."  
 2. PER SECT. 276-11.18(12), NO BUILDINGS, PARKING, OR DISPLAY AREAS MAY BE LOCATED IN THE SETBACK.  
 3. PER SECT. 275-9.C(4), 9 FT X 18 FT PARKING STALLS ALLOWED WITH PLANNING BOARD VOTE. A WAIVER HAS BEEN REQUESTED FROM THE PLANNING BOARD.



Date	Description	No.
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
09/14/20	AOT COMMENT RESPONSE	3
09/04/20	NHDES DREDGE & FILL PERMIT RESPONSE	2
07/13/20	COMMENT RESPONSE	1

Revisions

JOHN D. PLANTE  
 NH-P.E. Lic. No. 14072

## LANGAN

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 Boston, MA 02199  
 T: 617.824.9100 F: 617.824.9101 www.langan.com

Project  
**HUDSON LOGISTICS CENTER**  
 MAP No. 239, LOT No. 1  
 HUDSON NEW HAMPSHIRE

HILLSBOROUGH  
 Drawing Title  
**OVERALL SITE PLAN**

Project No. 151010101	Drawing No. <b>CS100</b>
Date 04-21-2020	Checked By CLR
Drawn By CLR	Checked By NLK

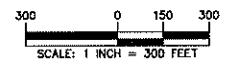
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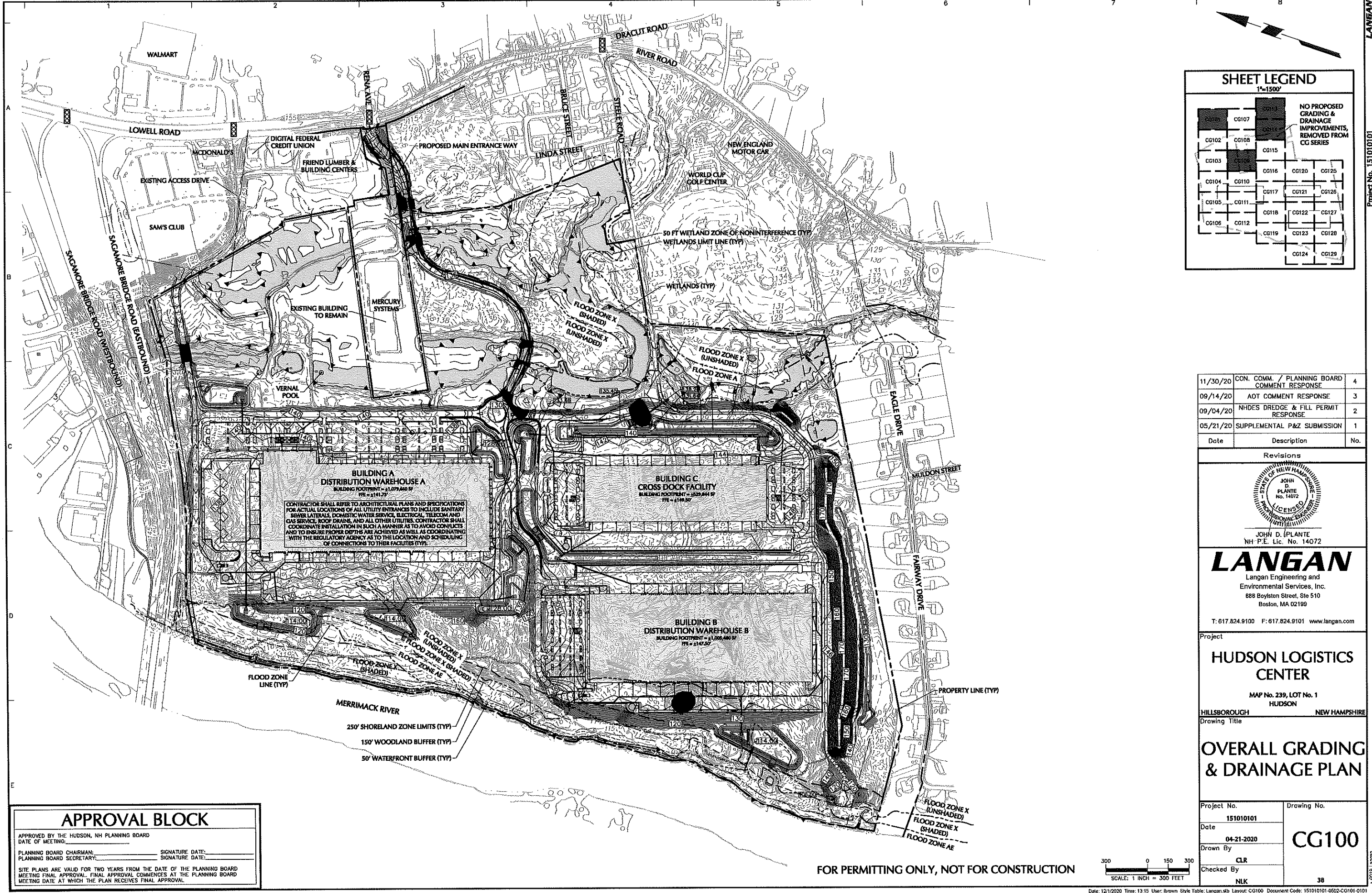
APPROVED BY THE HUDSON, NH PLANNING BOARD  
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FOR PERMITTING ONLY, NOT FOR CONSTRUCTION





**SHEET LEGEND**  
1"=1500'

CG107	NO PROPOSED GRADING & DRAINAGE IMPROVEMENTS, REMOVED FROM CG SERIES			
CG102	CG108			
CG103	CG115			
CG104	CG110	CG116	CG120	CG125
CG105	CG111	CG117	CG121	CG126
CG106	CG112	CG118	CG122	CG127
		CG119	CG123	CG128
			CG124	CG129

Date	Description	No.
11/30/20	CON. COMM. / PLANNING BOARD COMMENT RESPONSE	4
09/14/20	AOT COMMENT RESPONSE	3
09/04/20	NHDES DREDGE & FILL PERMIT RESPONSE	2
05/21/20	SUPPLEMENTAL P&Z SUBMISSION	1

Revisions

JOHN D. PLANTE  
No. 14072  
LICENSED PROFESSIONAL ENGINEER

JOHN D. PLANTE  
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Project  
**HUDSON LOGISTICS CENTER**  
MAP No. 239, LOT No. 1  
HUDSON NEW HAMPSHIRE

Drawing Title  
**OVERALL GRADING & DRAINAGE PLAN**

Project No. 151010101	Drawing No. <b>CG100</b>
Date 04-21-2020	Drawn By CLR
Checked By NLK	38

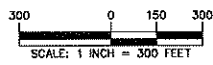
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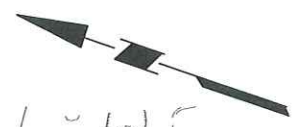
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**PROPOSED PRESERVATION:**

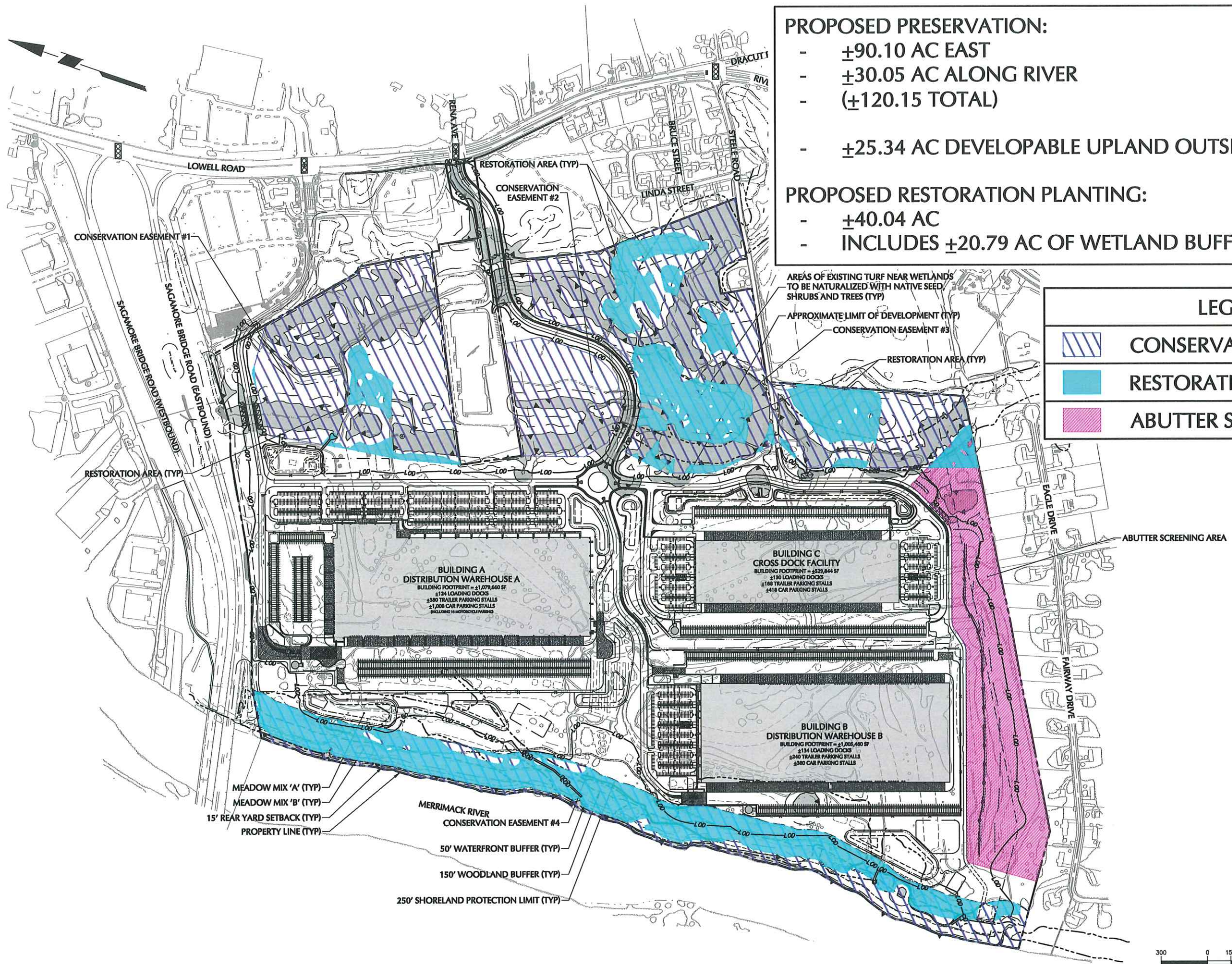
- ±90.10 AC EAST
- ±30.05 AC ALONG RIVER
- (±120.15 TOTAL)

- ±25.34 AC DEVELOPABLE UPLAND OUTSIDE THE BUFFER

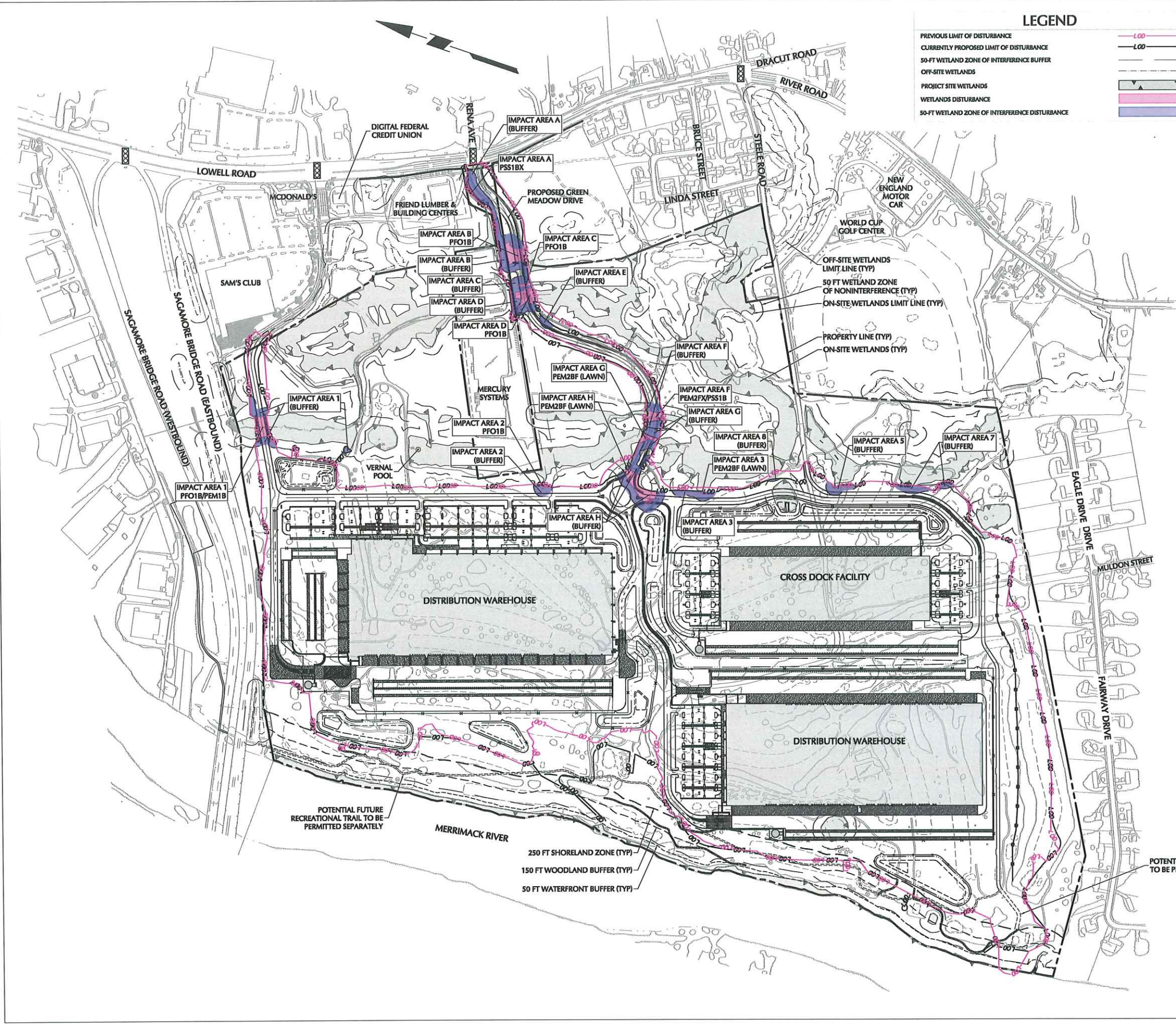
**PROPOSED RESTORATION PLANTING:**

- ±40.04 AC
- INCLUDES ±20.79 AC OF WETLAND BUFFER TO LIMIT BROOK

LEGEND	
	CONSERVATION EASEMENT
	RESTORATION AREA
	ABUTTER SCREENING AREA







**ANTICIPATED WETLAND DISTURBANCE**

IMPACT AREA	WETLAND CLASSIFICATION	REASON FOR IMPACT	DIRECT (SF)	50-FT BUFFER (SF)
A	DRAINAGE DITCH (MAN-HOLE)	MAIN ACCESS	±850	±16,710
B	FORESTED WETLAND	MAIN ACCESS	±10,700	±27,580
C	FORESTED WETLAND	MAIN ACCESS	±1,210	±7,730
D	FORESTED WETLAND	MAIN ACCESS	±8,840	±15,470
E	FORESTED WETLAND	MAIN ACCESS	0	±9,074
F	POND, EMERGENT/SCRUB, SHRUB EDGE	MAIN ACCESS	±5,410	±9,080
G	WET MAINTAINED LAWN	MAIN ACCESS	±3,710	±10,920
H	WET MAINTAINED LAWN	MAIN ACCESS	±14,960	±30,920
1	FORESTED WETLAND PERENNIAL STREAM	SECOND ACCESS	±9,366	±17,880
2	FORESTED WETLAND	LOT DEVELOPMENT (DRIVE WAY)	±333	±6,767
3	WET MAINTAINED LAWN	LOT DEVELOPMENT (DRIVE WAY)	±310	±10,630
5	BUFFER	LOT DEVELOPMENT (DRIVE WAY)	0	±8,850
7	BUFFER	LOT DEVELOPMENT (DRIVE WAY)	0	±12,437
8	BUFFER	LOT DEVELOPMENT (DRIVE WAY)	0	±1,052
<b>TOTAL ANTICIPATED DISTURBANCE</b>			<b>±55,689</b>	<b>±176,226</b>

**REDUCTION IN WETLAND DISTURBANCE**

	INITIAL	CURRENT	REDUCTION
TOTAL ANTICIPATED DIRECT WETLAND	±69,448 SF	±55,689 SF	- ±13,760 SF
TOTAL ANTICIPATED 50-FT WETLAND BUFFER	±225,713 SF	±176,226 SF	- ±49,487 SF

**NOTES:**

PROJECT SITE WETLANDS WERE DELETED BY GOVE ENVIRONMENTAL SERVICES, INC. BETWEEN NOVEMBER 2017 AND APRIL 2020 UTILIZING THE FOLLOWING STANDARDS:

- REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, (VERSION 2.0) JANUARY 2012, U.S. ARMY CORPS OF ENGINEERS.
- FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 8.0, UNITED STATES DEPARTMENT OF AGRICULTURE (2016).
- NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE, 2018 VERSION 4, FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION, LOWELL, MA.
- NATIONAL WETLAND PLANT LIST, VERSION 3.2 (2016).

ALL FLAGS WERE LOCATED BY HAYNER/SWANSON, INC USING EITHER GPS UNIT AT TIME OF FLAGGING OR FIELD LOCATED BETWEEN NOVEMBER 2017 AND APRIL 2020. WETLANDS DEPICTED OUTSIDE THE PROJECT AREA WERE OBTAINED FROM 2006 RECORD PLANS

