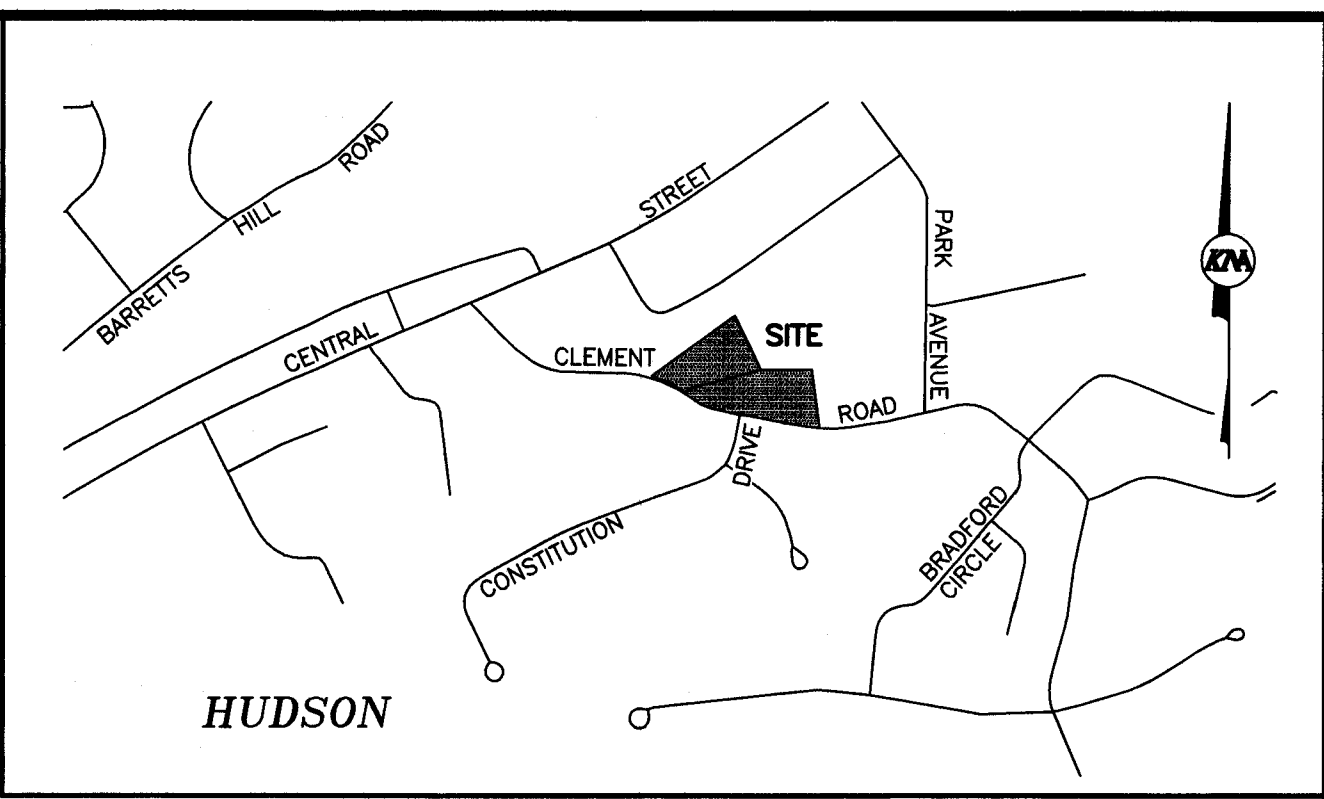


VICINITY PLAN  
NOT TO SCALE



VICINITY PLAN  
SCALE: 1" = 1,000±

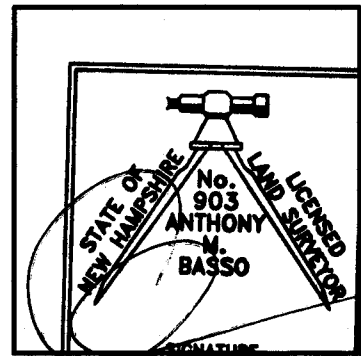
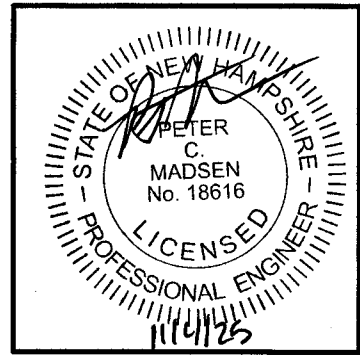
# NON-RESIDENTIAL SITE PLAN ERICKSON FOUNDATION SOLUTIONS

MAP 161; LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE

**OWNER OF LOT 49/APPLICANT:**  
**CLEMENT WAREHOUSE. LLC**  
14 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE 03051  
BK. 9014 PG. 1118

**OWNER OF LOT 50:**  
18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, NEW HAMPSHIRE 03051  
BK. 9792 PG. 977

**PREPARED BY:**  
**KEACH-NORDSTROM ASSOCIATES, INC.**  
10 COMMERCE PARK NORTH, SUITE 3  
BEDFORD, NEW HAMPSHIRE 03110  
(603) 627-2881



**KN** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

<u>SHEET TITLE</u>	<u>SHEET No.</u>
OVERVIEW PLAN	1
EXISTING CONDITIONS PLAN	2
LOT LINE ADJUSTMENT PLAN	3
TOPOGRAPHIC LOT LINE ADJUSTMENT PLAN	4
REMOVALS/DEMOLITION PLAN	5
NON-RESIDENTIAL SITE PLAN	6
GRADING, DRAINAGE & UTILITY PLAN	7
EROSION CONTROL PLAN	8
LANDSCAPE PLAN	9
LIGHTING PLAN	10
SIGHT DISTANCE PLAN & PROFILE	11 - 12
DRAINAGE PROFILES	13
CONSTRUCTION DETAILS	14 - 17

PURSUANT TO THE SITE REVIEW REGULATIONS OF THE HUDSON PLANNING BOARD, THE SITE PLAN APPROVAL GRANTED HEREIN EXPIRES TWO YEARS FROM DATE OF APPROVAL	APPROVED BY THE HUDSON, NH PLANNING BOARD
	DATE OF MEETING: _____
	_____ SIGNATURE DATE: _____
	_____ SIGNATURE DATE: _____

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

OCTOBER 27, 2025  
PROJECT NO. 25-0717-1



	IRON ROD FOUND
	IRON ROD RECOVERED
	IRON PIPE FOUND
	GRANITE BOUND TO BE SET
	IRON PIN TO BE SET
	UTILITY POLE
	STREET LIGHT
	OUTDOOR LIGHT SIGN
	ABUTMENT LINE
	STONEWALL
	OVERHEAD UTILITIES
	TREELINE
	EDGE OF GRAVEL
	EDGE OF PAVEMENT
	SETBACK
	100' RESIDENTIAL BUFFER
	GREEN AREA SETBACK
	WETLAND BUFFER
	RETAINING WALL
	WETLAND
	CHAIN LINK FENCE
	PROPOSED GUARD RAIL
	EASEMENT
	PROPOSED TREELINE
	PROPOSED EDGE OF PAVEMENT

**MAP 161 LOT 44**  
**DANIEL PRESTON**  
**W ENGLAND SOLID SURFACES**  
**P.O. BOX 727**  
**HUDSON, N.H. 03051**  
**BK. 5942 PG. 1642**

**MAP 161 LOT 40**  
TOWN OF HUDSON  
12 SCHOOL STREET  
HUDSON, N.H. 03051  
BK. 6105 PG. 398

**MAP 161 LOT 49**  
114,884 S.F.  
2.637 Ac.

**MAP 161 LOT 40**  
TOWN OF HUDSON  
12 SCHOOL STREET  
HUDSON, N.H. 03051  
BK. 6105 PG. 398

**MAP 161 LOT 52**  
**ALICE M. COAKLEY TR**  
**COAKLEY LIVING TRUST**  
**11 CLEMENT ROAD**  
**HUDSON, N.H. 03051**  
**BK. 9024 PG. 2224**

**MAP 170 LOT 44**  
TOWN OF HUDSON  
12 SCHOOL STREET  
HUDSON, N.H. 03051  
BK. 6018 PG. 1610

**MAP 161 LOT 50**  
119,530 S.F.  
2.744 Ac.

**MAP 161 LOT 51**  
**ERNEST T. DOUCETTE**  
**24 CLEMENT STREET**  
**HUDSON, N.H. 03051**  
**BK. 5418 PG. 268**

1. "CLEMENT INDUSTRIAL PARK OF HUDSON, ROUTE 111." SCALE: "1"=200'. DATED: SEPTEMBER 5, 1969. LAST REVISED: JUNE 22, 1970. PREPARED BY: A.E. MAYNARD. H.C.R.D. PLAN #4680
2. "NEW ENGLAND TELEPHONE & TELEGRAPH CO., EASEMENT PLAN (ON TAX LOT 30 - MAP 28 HUDSON, N.H.)." SCALE: "1"=50'. REVISED: AUGUST 10, 1984. PREPARED BY: G.S. GARDNER. H.C.R.D. PLAN #71750
3. "SUBDIVISION PLAN - LOT 22/MAP 28, CLEMENT SUBDIVISION, CLEMENT ROAD & ROUTE 111 & WALL STREET, HUDSON, N.H." SCALE: "1"=50'. DATED: JANUARY 16, 1989. PREPARED BY: MAYNARD & PAQUETTE, INC. H.C.R.D. PLAN #34363
4. "ERNEST AND HELEN DOUCETTE SUBDIVISION PLAN, MAP 26 LOT 20, CLEMENT ROAD." SCALE: "1"=50'. DATED: OCTOBER 18, 1992. PREPARED BY: MARTIN J. MURPHY, JR. H.C.R.D. PLAN #52620
5. "MAP 26 LOT 19 SUBDIVISION PLAN-UNICORN INDUSTRIAL PARK II, CONSTITUTION DRIVE." SCALE: "1"=100'. DATED: JULY 7, 1999. PREPARED BY: EDWARD N. HERBERT ASSOC. INC. H.C.R.D. PLAN #30872
6. "SITE PLAN, AIRFX CORPORATION, 14 CLEMENT ROAD." SCALE: "1"=40'. DATED: APRIL 28, 2006. PREPARED BY: MAYNARD & PAQUETTE ENGINEERING ASSOCIATES, LLC. H.C.R.D. PLAN #35252
7. "ALUMINUM MASTER PLAN, N.E. SOILD SURFACES." SCALE: "1"=30'. DATED: NOVEMBER 28, 2012. LAST REVISED: APRIL 4, 2013. PREPARED BY: THIS OFFICE. H.C.R.D. PLAN #37663

THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.

PURSUANT TO THE  
SITE REVIEW  
REGULATIONS OF  
THE HUDSON  
PLANNING BOARD,  
THE SITE PLAN  
APPROVAL  
GRANTED HEREIN  
EXPIRES TWO  
YEARS FROM DATE  
OF APPROVAL

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

SIGNATURE DATE:

SIGNATURE    DATE:

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

( IN FEET )  
1 inch = 40 ft.




MICHAEL SEEKAMP CERTIFIED WETLAND SCIENTIST 169#, OF  
SEEKAMP ENVIRONMENTAL CONSULTING, INC. PERFORMED THE  
WETLAND MAPPING ON NOVEMBER 14, 2024 ACCORDING TO THE  
TECHNICAL CRITERIA OF THE CORPS OF ENGINEERS WETLAND  
DELINEATION MANUAL (TECHNICAL REPORT Y-87-1, JANUARY  
1987)

Michael  
CERTIFIED WETLAND SCIENTIST

11/4/25  
DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE BY THIS OFFICE DURING AUGUST OF 2025. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

  
LICENSED LAND SURVEYOR

4/25  
DATE

SIGNATURE: *[Signature]*  
18 CLEMENT ROAD, LLC

DATE: 10/30/25

\_\_\_\_\_

**ERICKSON FOUNDATION SOLUTIONS**

14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

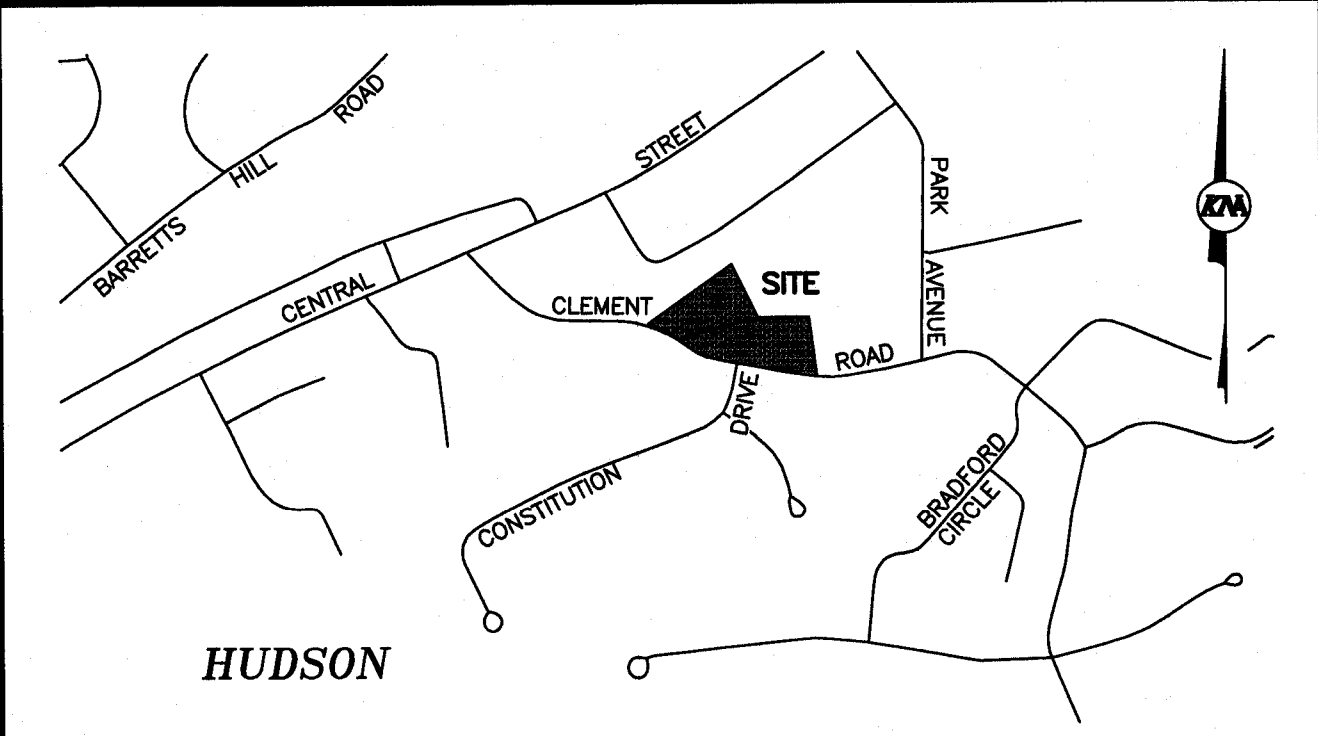


Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

No.	DATE	DESCRIPTION
DATE: OCTOBER 27, 2025		SCALE: 1" = 40'
PROJECT NO: 25-0717-1		SHEET 1 OF 17

**DATE:** OCTOBER 27, 2025

<b>PROJECT NO:</b> 25-0717-1	<b>SHEET</b> 1 <b>OF</b> 17
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SCALE: 1" = 1,000'±

**NOTES:**

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED LAYOUT OF A PARKING EXPANSION ON MAP 161 LOT 49 AND AN 8,000 SQUARE FOOT GRAVEL LAYDOWN YARD ON MAP 161 LOT 50 IN HUDSON, NEW HAMPSHIRE AND NOT ON ANY OTHER PARCELS.
2. MAP 161 LOTS 49 & 50 INDICATE TOWN OF HUDSON, NEW HAMPSHIRE TAX ASSESSOR'S MAP AND LOT NUMBERS.
3. AREA OF PARCELS:  
 LOT 49 = 114,884 SF OR 2.637 ACRES  
 LOT 50 = 119,530 SF OR 2.774 ACRES
4. THE SUBJECT PARCELS ARE LOCATED WITHIN THE INDUSTRIAL (I) ZONING DISTRICT AND ARE SUBJECT TO THE FOLLOWING DIMENSIONAL REQUIREMENTS:

DESCRIPTION	REQUIRED	LOT 49		LOT 50	
		EXISTING	PROPOSED	EXISTING	PROPOSED
MINIMUM LOT SIZE	30,000 SF	103,882 SF	114,884 SF	130,532 SF	119,530 SF
MINIMUM LOT FRONTAGE	150 FT	209.12 FT	301.09 FT	674.20 FT	582.24 FT
FRONT YARD SETBACK	50 FT	64.5 FT	50.9 FT	36.1 FT	16.0 FT
SIDE YARD SETBACK	15 FT	15.0 FT	15.0 FT	35.0 FT	16.0 FT
REAR YARD SETBACK	15 FT	14.8 FT	14.8 FT	35.0 FT	16.0 FT
MAXIMUM BUILDING HEIGHT	50 FT	±28 FT	±28 FT	±15 FT	±15 FT
OPEN SPACE	40%	39.6%	30.7%	92.5%	85.3%

- THE HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88 FROM REAL TIME GPS SURVEY METHODS.
6. TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON IS THE RESULT OF AN ACTUAL FIELD SURVEY PERFORMED BY THIS OFFICE IN AUGUST OF 2005.
7. EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF HUDSON, N.H. MAP NUMBER 33011C05190, PANEL NUMBER 519 OF 701 EFFECTIVE DATE: SEPTEMBER 25, 2009 INDICATES THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN A FLOOD ZONE.
8. THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. KEACH-ANDERSON ASSOCIATES, INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES LOCATED PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.
9. EASEMENTS, RIGHTS AND RESTRICTIONS SHOWN OR IDENTIFIED HEREON ARE THOSE FOUND DURING RESEARCH AT THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS. OTHER EASEMENTS, RIGHTS AND RESTRICTIONS MAY EXIST WHICH A TITLE EXAMINATION OF THE SUBJECT PREMISES MAY DETERMINE.
10. PARKING CALCULATIONS:  
REQUIRED PARKING  
LOT 49:  
INDUSTRIAL BUILDING:  
1 SPACE/600 SF OF GROSS FLOOR AREA ● 27,964 SF = 46.6 SPACES OR 47 SPACES  
LOT 50:  
RESIDENTIAL HOUSE:  
2 SPACES/UNIT ● 1 UNIT = 2 SPACES  
PROVIDED PARKING  
LOT 49:  
INDUSTRIAL BUILDING:  
53 EXISTING - 10 REMOVED + 43 PROPOSED = 86 SPACES (INCLUDES 4 HANDICAP SPACES)  
RESIDENTIAL HOUSE:  
2 SPACES FOR RESIDENTIAL HOUSE
11. LOADING SPACE CALCULATIONS:  
1 SPACE/5,000 SF OF GROSS FLOOR AREA ● 5,000 SF = 1 SPACE +  
1 ADDITIONAL SPACE/EVERY ADDITIONAL 10,000 SF OF GFA ● 22,964 SF = 2.3 OR 3 LOADING SPACES  
TOTAL LOADING SPACES REQUIRED = 4 SPACES  
TOTAL EXISTING LOADING SPACES = 7 SPACES
12. PERMITS REQUIRED:  
PERMITS REQUIRED  
NEEDS NOTICE OF INTENT  
REQUIRED PRIOR TO CONSTRUCTION  
N/A
13. THE FOLLOWING WAIVERS ARE REQUESTED FROM THE SITE PLAN REGULATIONS:  
SECTION 275-8(c)(7)(c) - TO ALLOW 2 SHADE TREES IN THE PARKING ADDITION WHERE 9 ARE REQUIRED  
SECTION 275-8(c)(7)(d) - TO ALLOW 42 SHRUBS IN THE PARKING ADDITION WHERE 83 ARE REQUIRED  
SECTION 276-11.(B)(24) - TO ALLOW 30.7% OPEN SPACE WHERE 40% IS REQUIRED  
SECTION 276-11.(B)(22) - TO ALLOW SITE IMPROVEMENTS WITHIN THE 35' GREEN AREA  
SECTION 276-11.(B)(16)(c) - TO ALLOW SITE IMPROVEMENTS WITHIN THE 100' RESIDENTIAL BUFFER
14. SITE IMPROVEMENTS DEPICTED ON THE PLAN SHALL CONFORM WITH 2010 TITLE III OF THE AMERICANS WITH DISABILITIES ACT WITH REGARD TO DIMENSION AND GRADE.
15. IT SHALL BE UNLAWFUL TO MODIFY, CHANGE, OR ALTER ANY STRUCTURE OR USE SHOWN ON THIS SITE PLAN IN ANYWAY WHATSOEVER, OR CONVERT OR ALTER ANY STRUCTURE OR USE SHOWN ON THIS SITE PLAN, OR CHANGE THE ABOVE USE INDICATED ON THE PLAN WITHOUT RECEIVING APPROVAL FROM THE TOWN OF HUDSON PLANNING BOARD.
16. CONSTRUCTION ACTIVITIES ON THE SITE SHALL BE LIMITED TO BETWEEN 7:00 AM AND 7:00 PM MONDAY THROUGH FRIDAY AND 8:00 AM TO 4:00 PM ON SATURDAY. NO CONSTRUCTION ACTIVITIES SHALL BE ALLOWED ON SUNDAYS.
17. IF LOT DEVELOPMENT INVOLVES BLASTING AND/OR RAMMING OF BEDROCK MATERIALS, SAID ACTIVITIES SHALL BE LIMITED TO TIMES BETWEEN 7:00 AM AND 5:00 PM MONDAY THROUGH FRIDAY ONLY. SAID BLASTING/RAMMING ACTIVITIES SHALL BE PROHIBITED ON WEEKENDS. BLASTING WILL MEET HUDSON ORDINANCE 2020 REQUIREMENTS.



LEGEND

- IRF IRON ROD FOUND  
○ IRR IRON ROD RECOVERED  
○ IPF IRON PIPE FOUND  
⊕ BENCHMARK  
⊕ UTILITY POLE  
⊕ WATER VALVE  
⊕ CATCH BASIN  
— ABUTTER LINE  
— STONEWALL  
— OVERHEAD UTILITIES  
— DRAINAGE LINE  
— TREELINE  
— EDGE OF GRAVEL  
— EOP EDGE OF PAVEMENT  
— 10' CONTOUR  
— 2' CONTOUR  
— SOIL LINE  
— SETBACK  
— SIGN  
— SEWER MANHOLE  
— DRAINAGE MANHOLE  
— RETAINING WALL  
— WETLAND  
— FLOOD LIGHT  
— CHAIN LINK FENCE  
— STREET LIGHT  
— GUARD RAIL

SCS SOILS LEGEND

- CmC** CANTON FINE SANDY LOAM  
8 TO 15 PERCENT SLOPES  
VERY STONY  
**CmD** CANTON FINE SANDY LOAM  
15 TO 25 PERCENT SLOPES  
VERY STONY  
**Sr** SCARBORO STONY MUCKY LOAMY  
SAND

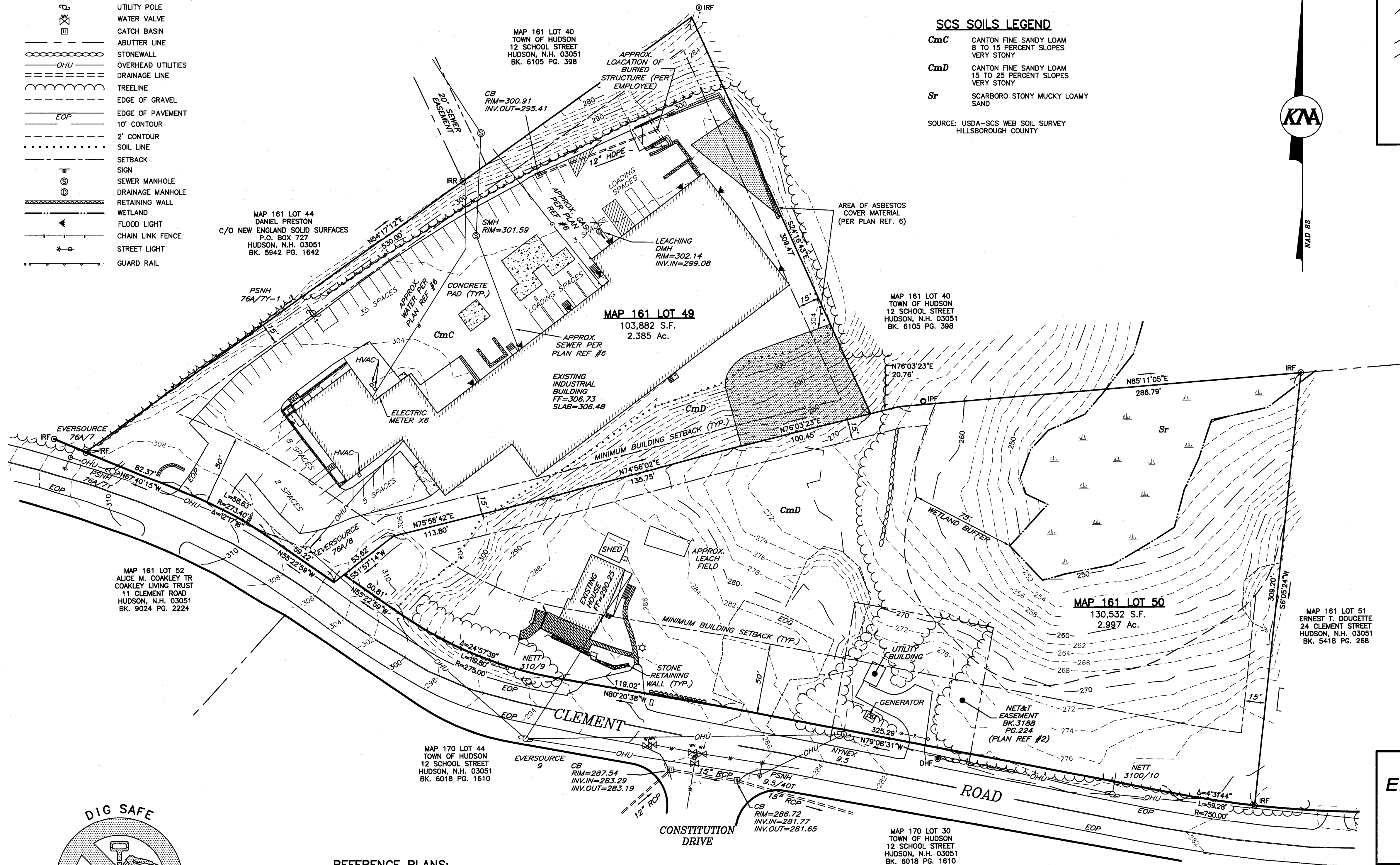
SOURCE: USDA-SCS WEB SOIL SURVEY  
HILLSBOROUGH COUNTY

VICINITY PLAN

SCALE: 1" = 1,000'±

NOTES:

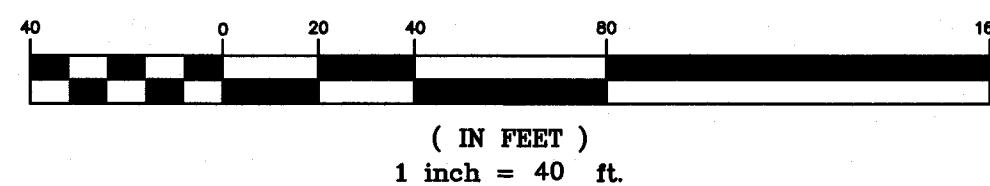
- THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING CONDITIONS PRESENT ON MAP 161 LOTS 49 & 50 IN THE TOWN OF HUDSON, N.H.
- EXISTING AREA OF PARCELS  
LOT 49: 103,882 SF OR 2.385 Ac  
LOT 50: 130,532 SF OR 2.997 Ac
- THE SUBJECT PARCELS ARE LOCATED WITHIN THE INDUSTRIAL ZONING DISTRICT (I). DIMENSIONAL REQUIREMENTS ARE AS FOLLOWS:  
FRONT: 50'  
SIDE: 15'  
REAR: 15'
- THE HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88 FROM REAL TIME GPS SURVEY METHODS.
- TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON IS THE RESULT OF AN ACTUAL FIELD SURVEY PERFORMED BY THIS OFFICE IN AUGUST OF 2025.
- THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. PRIOR TO ANY EXCAVATION ON SITE, THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.
- EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF HUDSON, N.H. MAP NUMBER 33011C0519D, PANEL NUMBER 519 OF 701 EFFECTIVE DATE: SEPTEMBER 25, 2009 INDICATES THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN A FLOOD ZONE.
- EASEMENTS, RIGHTS AND RESTRICTIONS SHOWN OR IDENTIFIED HEREON ARE THOSE FOUND DURING RESEARCH AT THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS. OTHER EASEMENTS, RIGHTS AND RESTRICTIONS MAY EXIST WHICH A TITLE EXAMINATION OF THE SUBJECT PREMISES MAY DETERMINE.



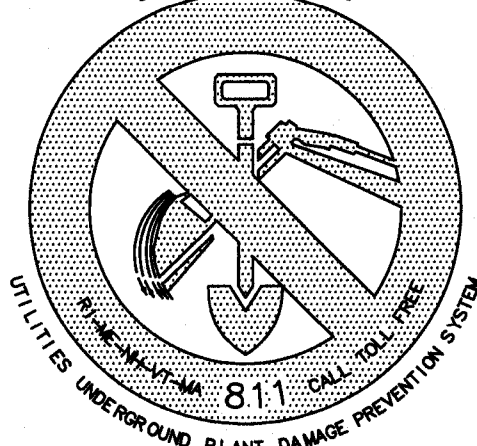
REFERENCE PLANS:

- "CLEMENT INDUSTRIAL PARK OF HUDSON, ROUTE 111." SCALE: 1"=200'. DATED: SEPTEMBER 5, 1969. LAST REVISED: JUNE 22, 1970. PREPARED BY: A.E. MAYNARD. H.C.R.D. PLAN #4680
- "NEW ENGLAND TELEPHONE & TELEGRAPH CO., EASEMENT PLAN (ON TAX LOT 30 - MAP 26) HUDSON, N.H." SCALE: 1"=20'. REVISED: AUGUST 10, 1984. PREPARED BY: W.G. HOWARD INC. H.C.R.D. PLAN #17750
- "SUBDIVISION PLAN - LOT 22/MAP 26, CLEMENT SUBDIVISION, CLEMENT ROAD & ROUTE 111 & WALL STREET, HUDSON, N.H." SCALE: 1"=50'. DATED: JANUARY 16, 1989. PREPARED BY: MAYNARD & PAQUETTE, INC. H.C.R.D. PLAN #23463
- "ERNEST AND HELEN DOUCETTE SUBDIVISION PLAN, MAP 26 LOT 20, CLEMENT ROAD." SCALE: 1"=50'. DATED: OCTOBER 18, 1992. PREPARED BY: MARTIN J. MICCIO, R.L.S. H.C.R.D. PLAN #26259
- "MAP 26 LOT 18, SUBDIVISION PLAN-UNICORN INDUSTRIAL PARK II, CONSTITUTION DRIVE." SCALE: 1"=100'. DATED: JULY 7, 1999. PREPARED BY: EDWARD N. HERBERT ASSOC. INC. H.C.R.D. PLAN #30872
- "SITE PLAN, AIREX CORPORATION, 14 CLEMENT ROAD." SCALE: 1"=40'. DATED: APRIL 28, 2006. PREPARED BY: MAYNARD & PAQUETTE ENGINEERING ASSOCIATES, LLC. H.C.R.D. PLAN #35257
- "AMENDED MASTER SITE PLAN, N.E. SOLID SURFACES." SCALE: 1"=30'. DATED: NOVEMBER 26, 2012. LAST REVISED: APRIL 4, 2013. PREPARED BY: THIS OFFICE. H.C.R.D. PLAN #37663

GRAPHIC SCALE



DIG SAFE



UTILITY NOTE

THE UNDERGROUND UTILITIES DEPICTED HEREON HAVE BEEN DRAWN FROM FIELD SURVEY INFORMATION AND OR PLOTTED FROM EXISTING DRAWINGS. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER, KEACH-NORDSTROM ASSOCIATES, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. KEACH-NORDSTROM ASSOCIATES, INC. HAS NOT PHYSICALLY LOCATED THE UNDERGROUND PORTIONS OF THE UTILITIES.



WETLAND CERTIFICATION

MICHAEL SEEKAMP CERTIFIED WETLAND SCIENTIST 169#, OF SEEKAMP ENVIRONMENTAL CONSULTING, INC. PERFORMED THE WETLAND MAPPING ON NOVEMBER 14, 2024 ACCORDING TO THE TECHNICAL CRITERIA OF THE CORPUS OF ENGINEERS WETLAND DELINEATION MANUAL (TECHNICAL REPORT Y-87-1, JANUARY 1987)

*Michael Seekamp* 11/4/25  
DATE  
MICHAEL SEEKAMP  
CERTIFIED WETLAND SCIENTIST

CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE BY THIS OFFICE DURING AUGUST OF 2025. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

*[Signature]* 11/4/25  
DATE  
LICENSED LAND SURVEYOR

EXISTING CONDITIONS PLAN  
ERICKSON FOUNDATION SOLUTIONS

MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

OWNER OF LOT 49/APPLICANT:

CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

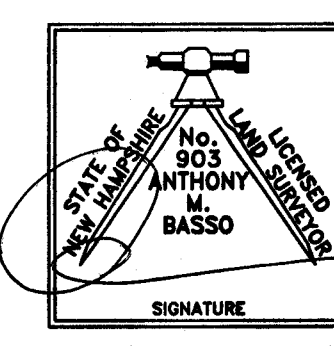
OWNER LOT 50:

28 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977



KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS

No.	DATE	DESCRIPTION	BY

DATE: SEPTEMBER 8, 2025

PROJECT NO: 25-0717-1

SCALE: 1" = 40'

SHEET 2 OF 17



	IRON ROD FOUND
	IRON ROD RECOVERED
	IRON PIPE FOUND
	GRANITE BOUND TO BE SET
	IRON PIN TO BE SET
	UTILITY POLE
	SEWER MANHOLE
	DRAINAGE MANHOLE
	OUTDOOR LIGHT
	STREET LIGHT
	ABUTTER LINE
	STONEWALL
	EDGE OF GRAVEL
	EDGE OF PAVEMENT
	SETBACK
	RETAINING WALL
	WETLAND
	100' RESIDENTIAL BUFFER
	WETLAND BUFFER
	CHAIN LINK FENCE EASEMENT

1. "CLEMENT INDUSTRIAL PARK OF HUDSON, ROUTE 111." SCALE: "1"=200'. DATED: SEPTEMBER 5, 1969. LAST REVISED: JUNE 22, 1970. PREPARED BY: A.E. MAYNARD. H.C.R.D. PLAN #4680
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3. "SUBDIVISION PLAN - LOT 22/MAP 26, CLEMENT SUBDIVISION, CLEMENT ROAD & ROUTE 111 & WALL STREET, HUDSON, N.H." SCALE: "1"=50'. DATED: JANUARY 16, 1989. PREPARED BY: MAYNARD & PAQUETTE, INC. H.C.R.D. PLAN #23463
4. "ERNEST AND HELEN DOUCETTE SUBDIVISION PLAN, MAP 26 LOT 20, CLEMENT ROAD." SCALE: "1"=50'. DATED: OCTOBER 18, 1992. PREPARED BY: MARTIN J. MICIOLO, R.L.S. H.C.R.D. PLAN #26259
5. "MAP 26 LOT 18, SUBDIVISION PLAN-UNICORN INDUSTRIAL PARK II, CONSTITUTION DRIVE." SCALE: "1"=100'. DATED: JULY 7, 1999. PREPARED BY: EDWARD N. HERBERT ASSOC. INC. H.C.R.D. PLAN #30872
6. "SITE PLAN, AIREX CORPORATION, 14 CLEMENT ROAD." SCALE: "1"=40'. DATED: APRIL 28, 2006. PREPARED BY: MAYNARD & PAQUETTE ENGINEERING ASSOCIATES, LLC. H.C.R.D. PLAN #35257
7. "AMENDED MASTER SITE PLAN, N.E. SOLID SURFACES" SCALE: "1"=30'. DATED: NOVEMBER 26, 2012. LAST REVISED: APRIL 4, 2013. PREPARED BY: THIS OFFICE. H.C.R.D. PLAN #37663



1. THE PURPOSE OF THIS PLAN IS TO ADJUST THE LOT LINE BETWEEN TAX MAP 161 LOTS 49 & 50 BY CREATING PARCEL "A" (11,002 S.F.) WHICH IS TO BE DEEDED TO THE OWNER OF LOT 49 BY THE OWNER OF LOT 50 AND IS NOT TO BE CONSIDERED A SEPARATE LOT OF RECORD.
2. ORIGINAL AND ADJUSTED PARCEL AREAS:

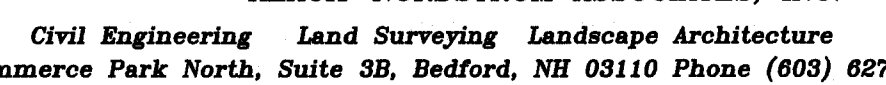
	ORIGINAL	ADJUSTED
LOT 161-49	= 103,882 S.F.	114,884 S.F.
LOT 161-50	= 130,532 S.F.	119,530 S.F.
3. THE SUBJECTS PARCEL ARE SITUATED ENTIRELY WITHIN THE INDUSTRIAL ZONING DISTRICT (I) AND IS SUBJECT TO THE FOLLOWING DIMENSIONAL REQUIREMENTS:
  - MINIMUM LOT AREA 30,000 S.F.
  - MINIMUM LOT FRONTAGE 150 FT
  - MINIMUM BUILDING SETBACKS:
    - FRONT 50 FT
    - REAR 15 FT
    - SIDE 15 FT
4. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON AN ACTUAL FIELD SURVEY MADE BY THIS OFFICE IN AUGUST OF 2025.
5. HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88 FROM REAL TIME GPS SURVEY METHODS.
6. EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF HUDSON, N.H. MAP NUMBER 33011C0519D, PANEL NUMBER 519 OF 701 EFFECTIVE DATE: SEPTEMBER 25, 2009 INDICATES THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN A FLOOD HAZARD ZONE.
7. THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR OR OWNER SHALL CONTACT DIG SAFE AT 811.
8. EASEMENTS, RIGHTS AND RESTRICTIONS SHOWN OR IDENTIFIES HERON ARE THOSE FOUND DURING RESEARCH AT THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS. OTHER EASEMENTS, RIGHTS AND RESTRICTIONS NOT FOUND MAY EXIST.

( IN FEET )

1 inch = 40 ft.

MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER LOT 50:**  
8 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977



No.	DATE	DESCRIPTION	BY
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[illegible]

<b>DATE:</b> OCTOBER 27, 2025	<b>SCALE:</b> 1" = 40'
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<b>PROJECT NO:</b> 25-0717-1	<b>SHEET</b> 3 <b>OF</b> 17
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[illegible]


LOT NUMBER	TOTAL LOT AREA (SF)	WETLAND AREA (SF)	AREA (SF) >25% SLOPE	BUILDABLE AREA (SF)	FRONTAGE (FT)
49	114,184	0	24,050	90,134	301.09
50	119,530	14,667	17,000	87,863	582.24

MICHAEL SEEKAMP CERTIFIED WETLAND SCIENTIST 169#, OF SEEKAMP ENVIRONMENTAL CONSULTING, INC. PERFORMED THE WETLAND MAPPING ON NOVEMBER 14, 2024 ACCORDING TO THE TECHNICAL CRITERIA OF THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (TECHNICAL REPORT Y-87-1, JANUARY 1987)

Michael Seekamp 11/4/23  
CERTIFIED WETLAND SCIENTIST DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE BY THIS OFFICE DURING AUGUST OF 2025. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

  
\_\_\_\_\_  
LICENSED LAND SURVEYOR

  
\_\_\_\_\_  
DATE



SIGNATURE: [Signature]  
CLEMENT WAREHOUSE LLC  
DATE: 10/30/25

SIGNATURE: [Signature]  
18 CLEMENT ROAD, LLC  
DATE: 10/30/25



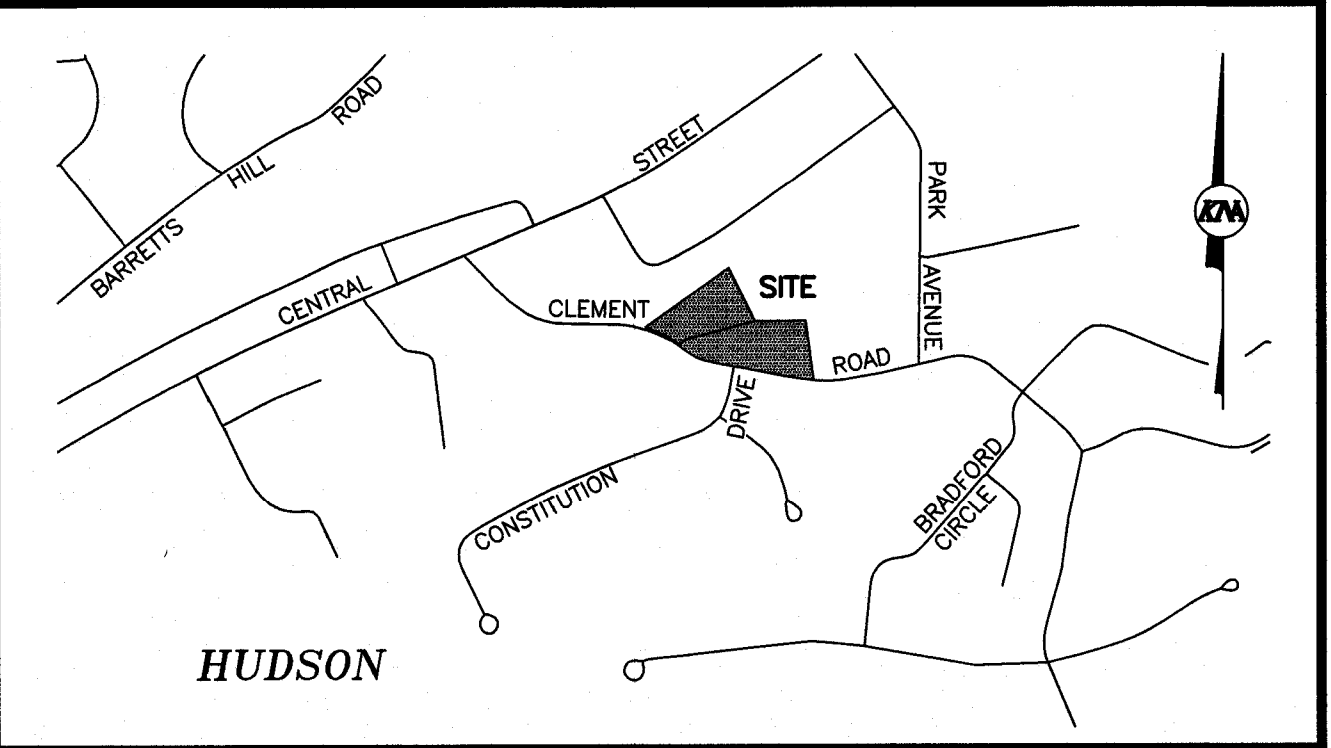
APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING:

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

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

SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.





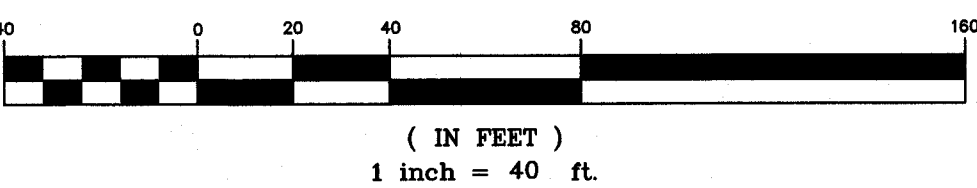
VICINITY PLAN  
SCALE: 1" = 1,000'±

LEGEND

- IRF IRON ROD FOUND
- IRR IRON ROD RECOVERED
- IPF IRON PIPE FOUND
- GRANITE BOUND TO BE SET
- IRON PIN TO BE SET
- UTILITY POLE
- SEWER MANHOLE
- DRAINAGE MANHOLE
- OUTDOOR LIGHT
- STREET LIGHT
- ABUTTER LINE
- STONEWALL
- EDGE OF GRAVEL
- EOP EDGE OF PAVEMENT
- SETBACK
- RETAINING WALL
- WETLAND
- 100' RESIDENTIAL BUFFER
- WETLAND BUFFER
- CHAIN LINK FENCE
- EASEMENT
- 10' CONTOUR
- 2' CONTOUR
- DRAINAGE LINE
- GAS LINE
- WATER LINE
- SEWER LINE

SEE SHEET 3 FOR NOTES & REFERENCE PLANS

GRAPHIC SCALE



TOPOGRAPHIC LOT LINE ADJUSTMENT  
ERICKSON FOUNDATION SOLUTIONS

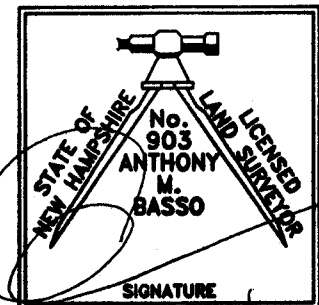
MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

OWNER OF LOT 49/APPLICANT:  
CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

OWNER LOT 50:  
18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS

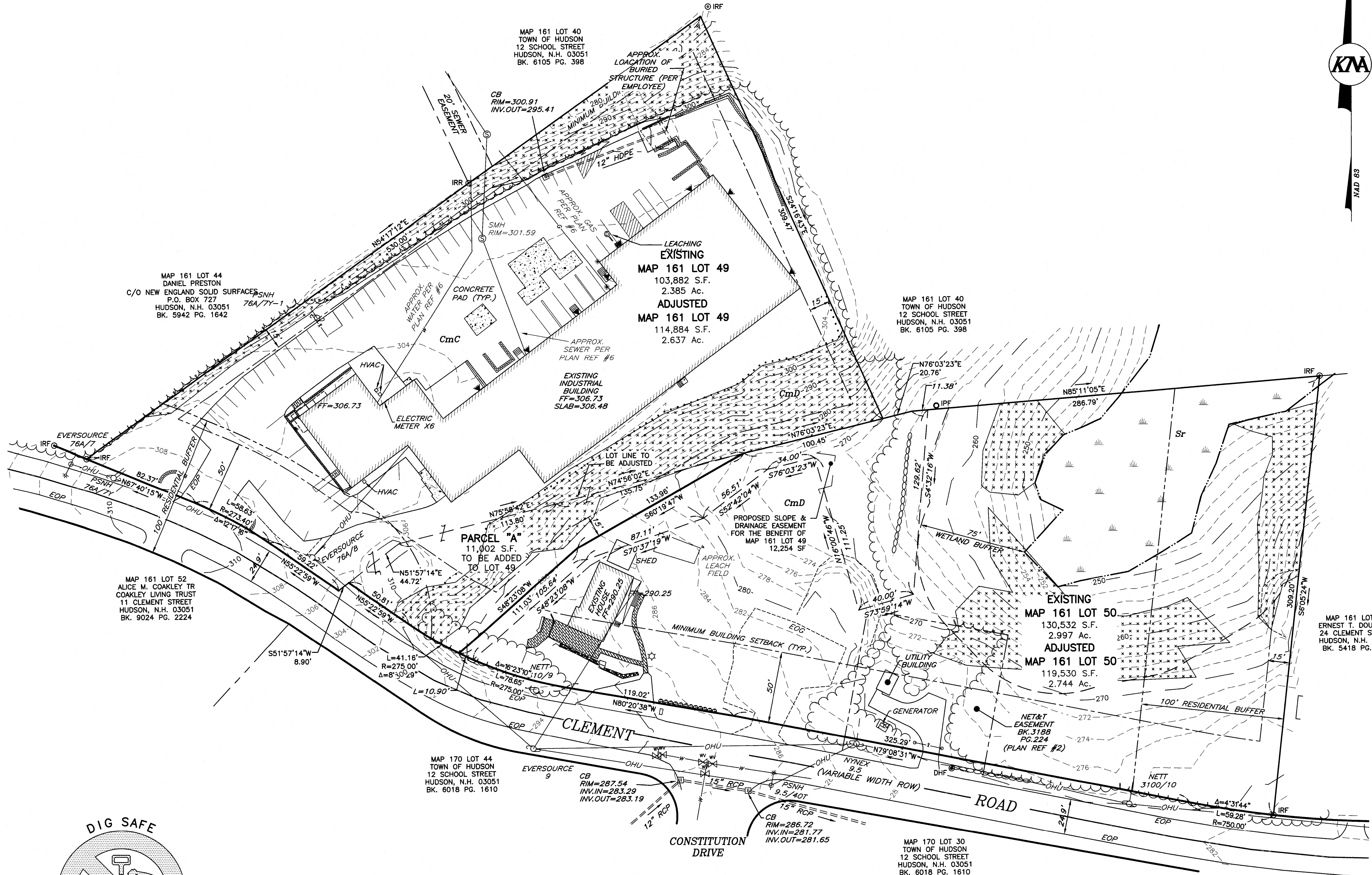
No.	DATE	DESCRIPTION	BY

DATE: OCTOBER 27, 2025

SCALE: 1" = 40'

PROJECT NO: 25-0717-1

SHEET 4 OF 17



SCS SOILS LEGEND

CpC CHATFIELD-HOLLIS-CANTON COMPLEX, 8 TO 15 PERCENT SLOPES  
CaC CHATFIELD-HOLLIS COMPLEX, 8 TO 15 PERCENT SLOPES, ROCKY

SOURCE: USDA-SCS WEB SOIL SURVEY  
HILLSBOROUGH COUNTY

LOT AREA TABLE

LOT NUMBER	TOTAL LOT AREA (SF)	WETLAND AREA (SF)	AREA (SF) >25% SLOPE	BUILDABLE AREA (SF)	FRONTAGE (FT)
49	114,184	0	24,050	90,134	301.09
50	119,530	14,667	17,000	87,863	582.24

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

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

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

SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.





NAD 83

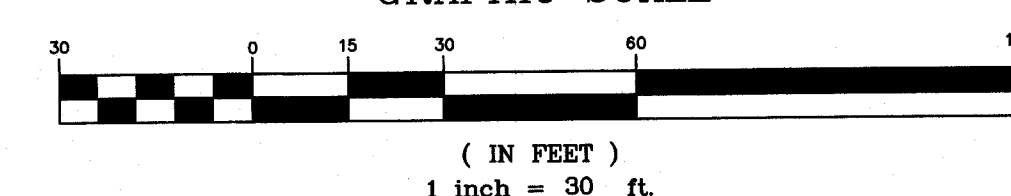
# REMOVALS/DEMOLITION NOTES:

1. THE PURPOSE OF THIS PLAN IS TO SHOW EXISTING FEATURES ON SITE TO BE REMOVED, SALVAGED, OR REPLACED.
2. ALL STUMPS, ROOTS, BRANCHES, BRUSH, WOODS AND OTHER PERISHABLE MATERIAL RESULTING FROM THE CLEARING AND GRUBBING OPERATIONS SHALL BE DISPOSED OF BY AN APPROVED METHOD.
3. ITEMS TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH THE TOWN OF HUDSON REQUIREMENTS, UNLESS OTHERWISE SHOWN HEREON OR DIRECTED BY OWNER.
4. ALL EXISTING PAVEMENT AND GRAVEL WITHIN THE CROSS HATCHED AREA IS TO BE REMOVED DURING THE DEMOLITION PHASE OF THE PROJECT. EXCESS MATERIAL FROM THESE AREAS SHALL BE APPROPRIATELY DISPOSED OF OFFSITE BY AN APPROVED METHOD.
5. THE CONTRACTOR SHALL CONTROL ALL DUST GENERATED DURING THE REMOVAL PHASE AND CONSTRUCTION PHASE SO THAT NO DUST LEAVES THE SITE.
6. ANY MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE RESET BY A NEW HAMPSHIRE LICENSED LAND SURVEYOR AT THE SITE CONTRACTORS EXPENSE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 811 AT LEAST 72 HOURS BEFORE DIGGING.
8. DEBRIS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

## LEGEND

- IRF IRON ROD FOUND
- IRR IRON ROD RECOVERED
- IPF IRON PIPE FOUND
- GB-TBS GRANITE BOUND TO BE SET
- IPIN-TBS IRON PIN TO BE SET
- UTILITY POLE
- WATER VALVE
- CATCH BASIN
- SIGN
- SEWER MANHOLE
- DRAINAGE MANHOLE
- OUTDOOR LIGHT
- STREET LIGHT
- ABUTTER LINE
- STONEWALL
- OHU OVERHEAD UTILITIES
- TREELINE
- EOP EDGE OF GRAVEL
- EOP EDGE OF PAVEMENT
- SETBACK
- RETAINING WALL
- WETLAND
- 100' RESIDENTIAL BUFFER
- GREEN AREA SETBACK
- WETLAND BUFFER
- CHAIN LINK FENCE
- EASEMENT
- PROPOSED TREELINE
- PAVEMENT OR GRAVEL TO BE REMOVED

## GRAPHIC SCALE



## REMOVALS/DEMOLITION PLAN ERICKSON FOUNDATION SOLUTIONS

MAP 161 LOTS 49 & 50

14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

### OWNER OF LOT 49/APPLICANT:

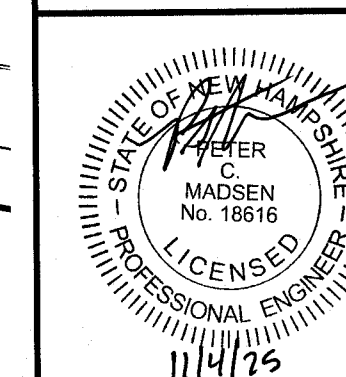
CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

### OWNER LOT 50:

18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture

10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



### REVISIONS

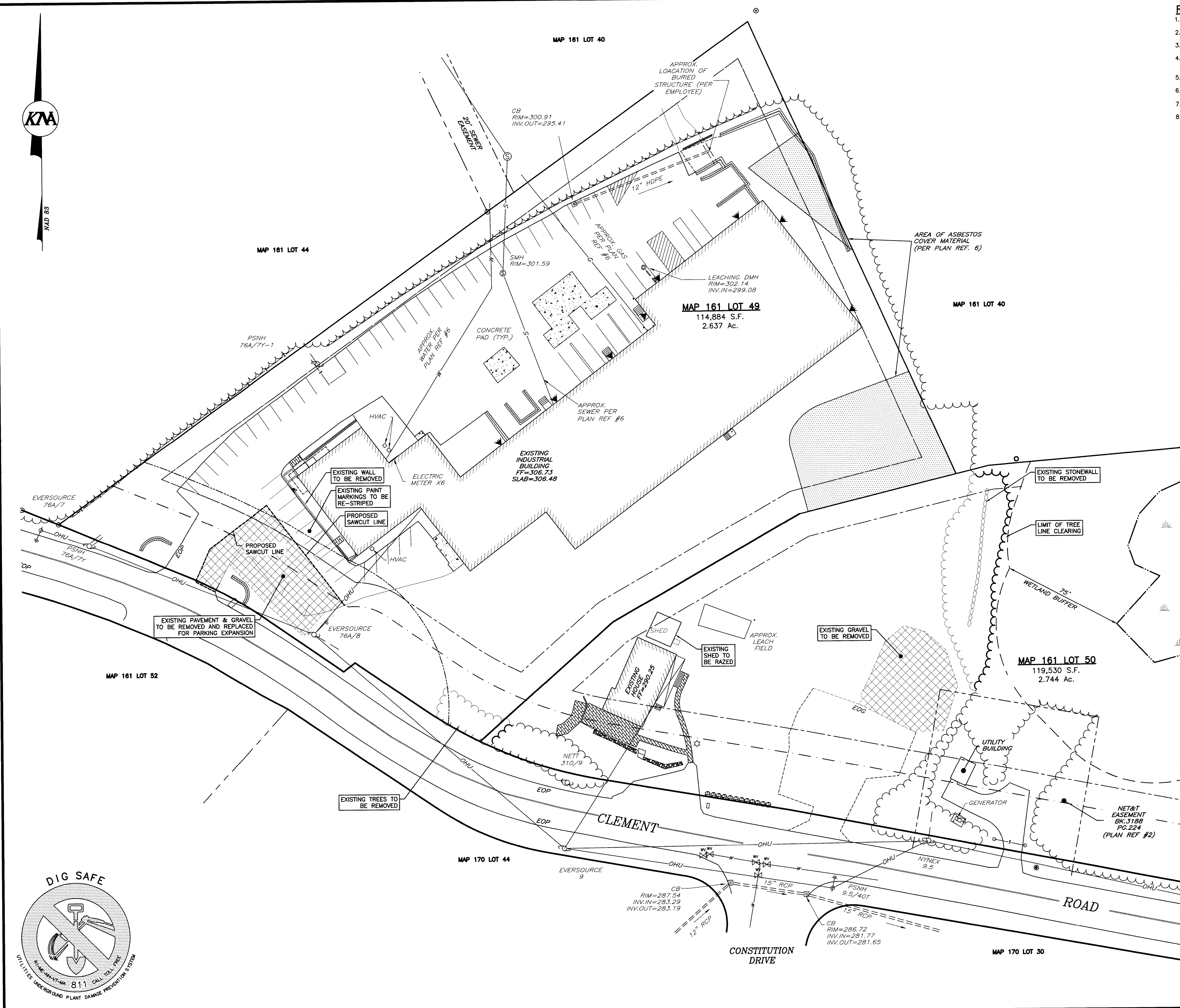
No.	DATE	DESCRIPTION	BY

DATE: OCTOBER 27, 2025

SCALE: 1" = 30'

PROJECT NO: 25-0717-1

SHEET 5 OF 17



\\projects\2021\Map\Production Drawings\2021\171-STE.dwg, 11/4/2025 10:28:39 P.M. V:\MADSEN\171-STE.dwg, 11/4/2025 10:28:39 P.M. V:\MADSEN\171-STE.dwg, 11/4/2025 10:28:39 P.M. V:\MADSEN\171-STE.dwg





NAD 83

MAP 161 LOT 40  
TOWN OF HUDSON  
12 SCHOOL STREET  
HUDSON, N.H. 03051  
BK. 6105 PG. 398

MAP 161 LOT 44  
DANIEL PRESTON  
C/O NEW ENGLAND SOLID SURFACES  
P.O. BOX 727  
HUDSON, N.H. 03051  
BK. 5942 PG. 1642

MAP 161 LOT 49  
114,884 S.F.  
2.637 Ac.

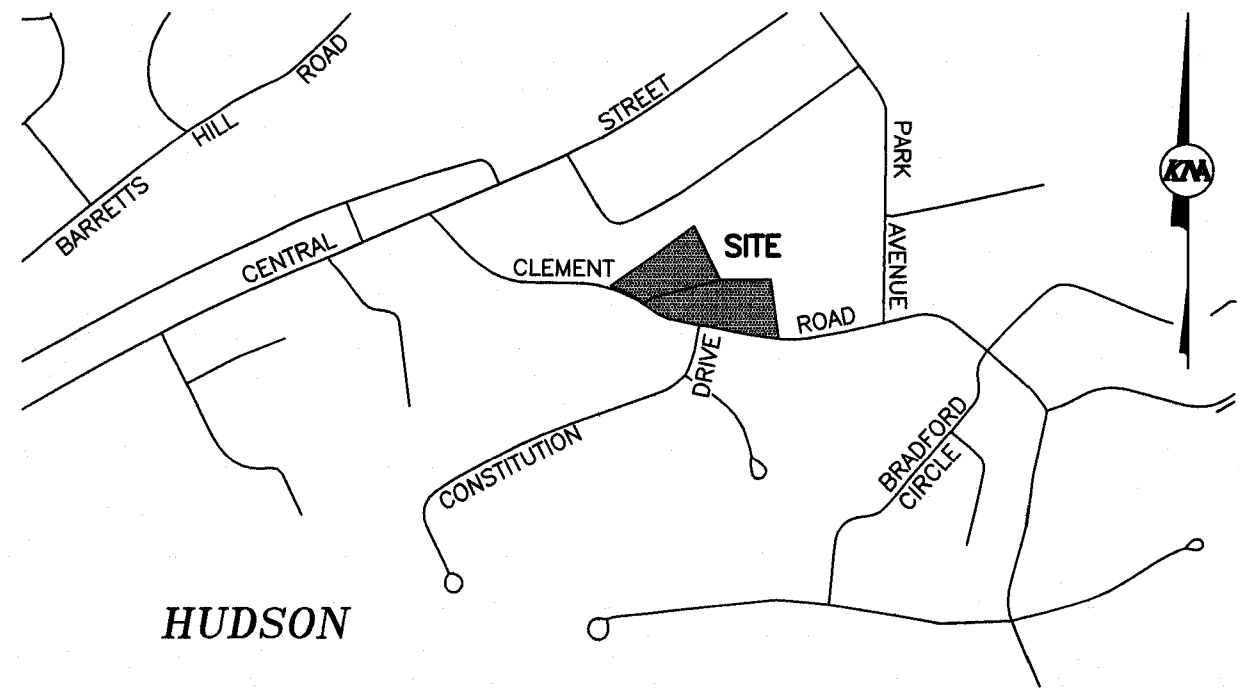
MAP 161 LOT 40  
TOWN OF HUDSON  
12 SCHOOL STREET  
HUDSON, N.H. 03051  
BK. 6105 PG. 398

MAP 161 LOT 50  
119,530 S.F.  
2.744 Ac.

MAP 170 LOT 44  
TOWN OF HUDSON  
12 SCHOOL STREET  
HUDSON, N.H. 03051  
BK. 6018 PG. 1610

MAP 170 LOT 30  
TOWN OF HUDSON  
12 SCHOOL STREET  
HUDSON, N.H. 03051  
BK. 6018 PG. 1610

SEE SHEET 1 FOR GENERAL NOTES  
AND REFERENCE PLANS



VICINITY PLAN  
SCALE: 1" = 1,000'±

LEGEND

- IRF IRON ROD FOUND
- IRR IRON ROD RECOVERED
- IPF IRON PIPE FOUND
- GB-TBS GRANITE BOUND TO BE SET
- IPIN-TBS IRON PIN TO BE SET
- UTILITY POLE
- WATER VALVE
- CATCH BASIN
- SIGN
- SEWER MANHOLE
- DRAINAGE MANHOLE
- OUTDOOR LIGHT
- STREET LIGHT
- ABUTTER LINE
- STONEWALL
- OVERHEAD UTILITIES
- TREELINE
- EDGE OF GRAVEL
- EOP EDGE OF PAVEMENT
- SETBACK
- RETAINING WALL
- WETLAND
- 100' RESIDENTIAL BUFFER
- GREEN AREA SETBACK
- WETLAND BUFFER
- CHAIN LINK FENCE
- EASEMENT
- PROPOSED TREELINE
- GUARD RAIL
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SNOW STORAGE

GRAPHIC SCALE



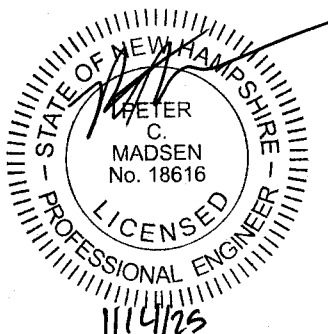
( IN FEET )  
1 inch = 30 ft.

NON-RESIDENTIAL SITE PLAN  
**ERICKSON FOUNDATION SOLUTIONS**  
MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

OWNER OF LOT 49/APPLICANT:  
CLEMMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

OWNER LOT 50:  
18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

**K&A** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
DATE: OCTOBER 27, 2025		SCALE: 1" = 30'	
PROJECT NO: 25-0717-1		SHEET 6 OF 17	







NAD 83

LOAM & SEED ALL  
DISTURBED AREAS (TYP.)

MAP 161 LOT 40

MAP 161 LOT 44

MAP 161 LOT 49  
114,884 S.F.  
2.637 Ac.

MAP 161 LOT 40

MAP 161 LOT 50  
119,530 S.F.  
2.744 Ac.

MAP 161 LOT 52

MAP 170 LOT 44

MAP 170 LOT 30

## SCS SOILS LEGEND

- CmC** CANTON FINE SANDY LOAM  
8 TO 15 PERCENT SLOPES  
VERY STONY
- CmD** CANTON FINE SANDY LOAM  
15 TO 25 PERCENT SLOPES  
VERY STONY
- Sr** SCARBORO STONY MUCKY LOAMY  
SAND

SOURCE: USDA-SCS WEB SOIL SURVEY  
HILLSBOROUGH COUNTY

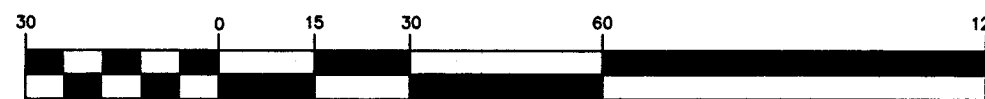
## CONSTRUCTION NOTES:

- THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED GRADING, DRAINAGE AND UTILITY SYSTEMS FOR THIS SITE.
- ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF HUDSON, AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF NEW HAMPSHIRE, DEPARTMENT OF TRANSPORTATION, APPROVED AND ADOPTED 2016 ARE HEREBY INCORPORATED BY REFERENCE.
- PARKING LOT CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS, AND SHALL MEET THE REQUIREMENTS.
- ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDDED.
- ALL DRAINAGE PIPE SHALL BE INSTALLED FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- SEE DETAILS FOR DRAINAGE SPECIFICATIONS.
- ALL CATCH BASINS SHALL BE EQUIPPED WITH SNOUT DEBRIS AND OIL WATER SEPARATORS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION, AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 811 AT LEAST 72 HOURS BEFORE DIGGING.

## LEGEND

- IRF IRON ROD FOUND
- IRR IRON ROD RECOVERED
- IPF IRON PIPE FOUND
- GB-TBS GRANITE BOUND TO BE SET
- IPIN-TBS IRON PIN TO BE SET
- UTILITY POLE
- WATER VALVE
- CATCH BASIN
- SIGN
- SEWER MANHOLE
- DRAINAGE MANHOLE
- OUTDOOR LIGHT
- STREET LIGHT
- ABUTTER LINE
- STONEWALL
- OVERHEAD UTILITIES
- 10' CONTOUR
- 2' CONTOUR
- SOIL LINE
- DRAINAGE LINE
- GAS LINE
- WATER LINE
- SEWER LINE
- TREELINE
- EDGE OF GRAVEL
- EOP
- SETBACK
- RETAINING WALL
- WETLAND
- 100' RESIDENTIAL BUFFER
- GREEN AREA SETBACK
- WETLAND BUFFER
- CHAIN LINK FENCE
- EASEMENT
- PROPOSED TREELINE
- GUARD RAIL
- PROPOSED EDGE OF PAVEMENT
- PROPOSED DRAINAGE LINE
- PROPOSED 2' CONTOUR
- TEST PIT

## GRAPHIC SCALE

GRADING, DRAINAGE & UTILITY PLAN  
ERICKSON FOUNDATION SOLUTIONS

MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

## OWNER OF LOT 49/APPLICANT:

CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

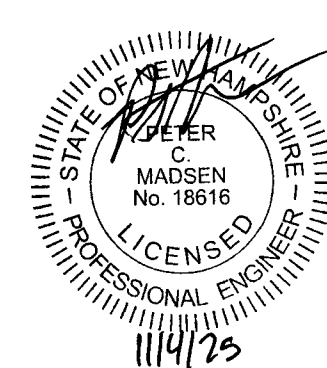
## OWNER LOT 50:

18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977



KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



## REVISIONS

No.	DATE	DESCRIPTION	BY
DATE: OCTOBER 27, 2025		SCALE: 1" = 30'	
PROJECT NO: 25-0717-1		SHEET 7 OF 17	



## UTILITY NOTE

THE UNDERGROUND UTILITIES DEPICTED HEREON HAVE BEEN DRAWN FROM FIELD SURVEY INFORMATION AND/OR PLOTTED FROM EXISTING DRAWINGS. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER, KEACH-NORDSTROM ASSOCIATES, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. KEACH-NORDSTROM ASSOCIATES, INC. HAS NOT PHYSICALLY LOCATED THE UNDERGROUND PORTIONS OF THE UTILITIES.

## NPDES NOTE

THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.

CONSTITUTION  
DRIVE

ROAD





NAD 83

### EROSION & SEDIMENT CONTROL LEGEND

- PERMANENT OUTLET PROTECTION APRON (RIP RAP)
- TEMPORARY INLET PROTECTION
- TEMPORARY PERIMETER CONTROLS
- LIMITS OF CLEARING
- STABILIZED CONSTRUCTION EXIT
- STAGING AND STOCKPILE AREA
- EROSION CONTROL BLANKETS

### EROSION CONTROL NOTES:

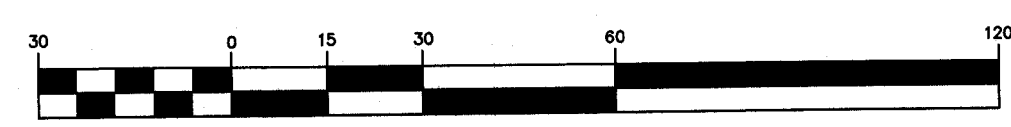
- THE PURPOSE OF THIS PLAN IS TO DEPICT THE REQUIRED ONSITE TEMPORARY CONSTRUCTION EROSION CONTROL MEASURES AS WELL AS THE PERMANENT EROSION CONTROL MEASURES.
- ALL MEASURES IN THE PLAN SHALL MEET AS A MINIMUM THE BEST MANAGEMENT PRACTICES SET FORTH IN VOLUME 3 OF THE NEW HAMPSHIRE STORMWATER MANUAL TITLED "EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION," DATED DECEMBER 2010, AS AMENDED FROM TIME TO TIME.
- WHENEVER PRACTICAL, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED OR SUPPLEMENTED. THE STRIPPING OF VEGETATION SHALL BE DONE IN A MANNER THAT MINIMIZES SOIL EROSION.
- APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE.
- THE AREA OF DISTURBANCE SHALL BE KEPT TO A MINIMUM. DISTURBED AREAS REMAINING IDLE FOR MORE THAN 30 DAYS SHALL BE STABILIZED.
- MEASURES SHALL BE TAKEN TO CONTROL EROSION WITHIN THE PROJECT AREA. SEDIMENT IN RUNOFF WATER SHALL BE TRAPPED AND RETAINED WITHIN THE PROJECT AREA USING APPROVED MEASURES. WETLAND AREAS AND SURFACE WATERS SHALL BE PROTECTED FROM SEDIMENT.
- OFFSITE SURFACE WATER AND RUNOFF FROM UNDISTURBED AREAS SHALL BE DIVERTED AWAY FROM DISTURBED AREAS WHERE FEASIBLE OR CARRIED NON-EROSIVELY THROUGH THE PROJECT AREA. INTEGRITY OF DOWNSTREAM DRAINAGE SYSTEMS SHALL BE MAINTAINED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN FUNCTIONING CONDITION UNTIL FINAL SITE STABILIZATION IS ACCOMPLISHED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS UNLESS CONDITIONS DICTATE OTHERWISE.
- THE TOWN OF HUDSON SHALL RESERVE THE RIGHT TO REQUIRE FURTHER EROSION CONTROL PRACTICES DURING CONSTRUCTION SHOULD THEY FIND IT NECESSARY.
- SNOW ACCUMULATED DURING THE WINTER CONSTRUCTION CONDITIONS SHOULD BE STORED IN THE STAGING & STOCKPILE AREA DETERMINED BY THE CONTRACTOR, SURROUNDED BY SILT FENCE.

### LOAM & SEED ALL DISTURBED AREAS (TYP.)

#### LEGEND

- IRF IRON ROD FOUND
- IRR IRON ROD RECOVERED
- IPF IRON PIPE FOUND
- GB-TBS GRANITE BOUND TO BE SET
- IPIN-TBS IRON PIN TO BE SET
- UTILITY POLE
- WATER VALVE
- CATCH BASIN
- SIGN
- SEWER MANHOLE
- DRAINAGE MANHOLE
- OUTDOOR LIGHT
- STREET LIGHT
- ABUTTER LINE
- STONEWALL
- OVERHEAD UTILITIES
- 10' CONTOUR
- 2' CONTOUR
- DRAINAGE LINE
- TREELINE
- EDGE OF GRAVEL
- EDGE OF PAVEMENT
- SETBACK
- RETAINING WALL
- WETLAND
- 100' RESIDENTIAL BUFFER
- GREEN AREA SETBACK
- WETLAND BUFFER
- CHAIN LINK FENCE
- EASEMENT
- PROPOSED TREELINE
- GUARD RAIL
- PROPOSED EDGE OF PAVEMENT
- PROPOSED DRAINAGE LINE
- PROPOSED 2' CONTOUR

#### GRAPHIC SCALE



( IN FEET )  
1 inch = 30 ft.

## EROSION CONTROL PLAN ERICKSON FOUNDATION SOLUTIONS

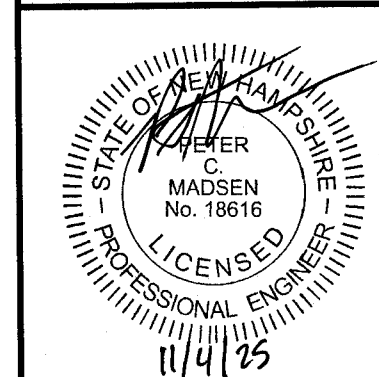
MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

OWNER OF LOT 49/APPLICANT:  
CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

OWNER LOT 50:  
18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

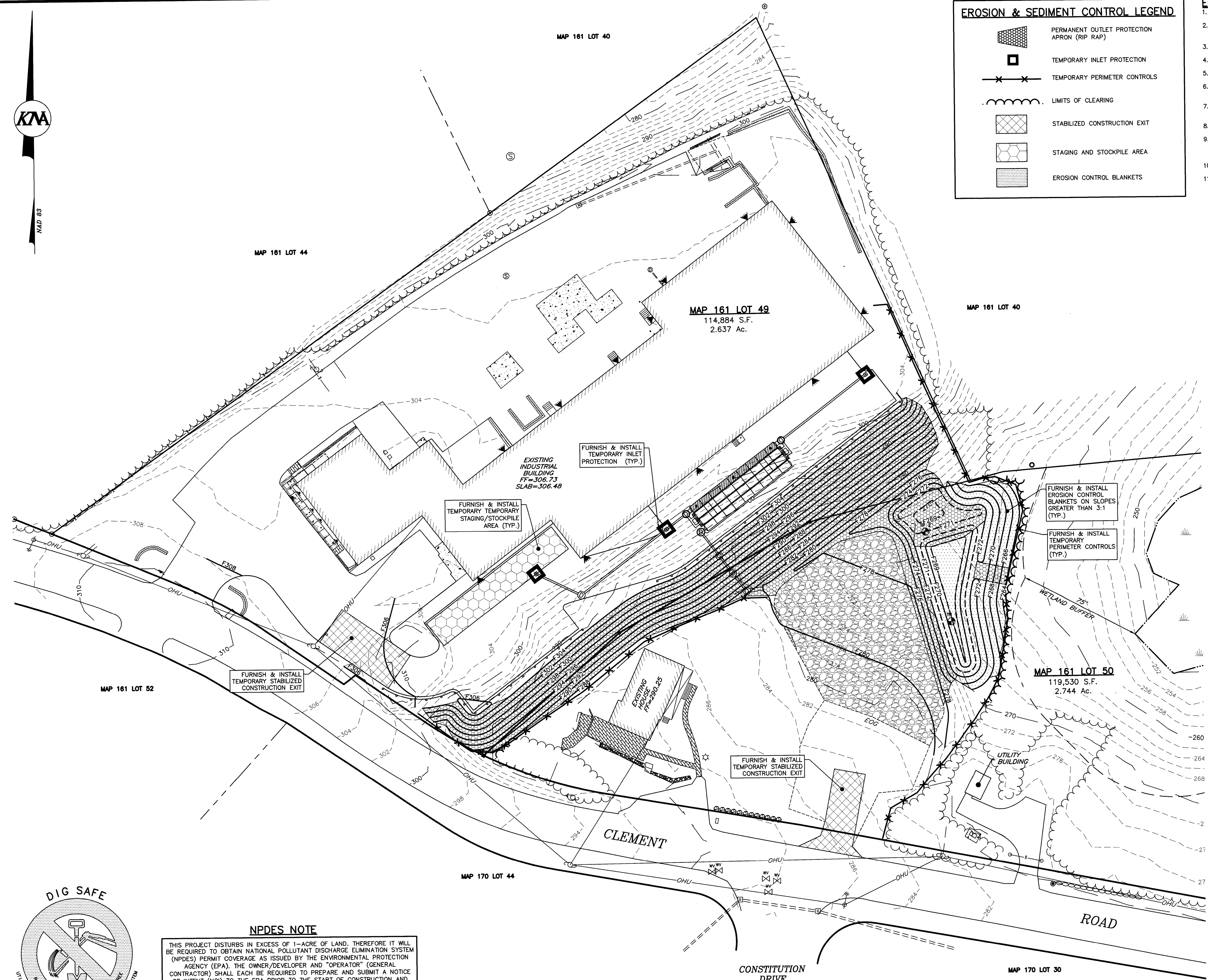


REVISIONS			
No.	DATE	DESCRIPTION	BY
DATE: OCTOBER 27, 2025		SCALE: 1" = 30'	
PROJECT NO: 25-0717-1		SHEET 8 OF 17	

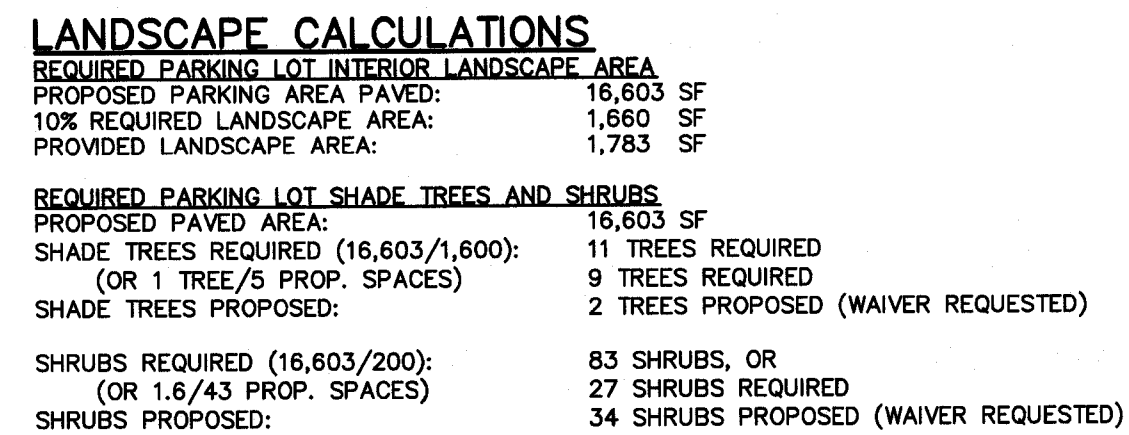


### NPDES NOTE







THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.







⊙ IRF	IRON ROD FOUND
⊙ IRR	IRON ROD RECOVERED
○ IPF	IRON PIPE FOUND
■ GB-TBS	GRANITE BOUND TO BE SET
● IPIN-TBS	IRON PIN TO BE SET
⌚	UTILITY POLE
⌚	WATER VALVE
⌚	CATCH BASIN
⌚	SIGN
⌚	SEWER MANHOLE
⌚	DRAINAGE MANHOLE
⌚	OUTDOOR LIGHT
⌚	STREET LIGHT
—	ABUTTER LINE
—	STONEWALL
— OHU	OVERHEAD UTILITIES
—	TREELINE
—	EDGE OF GRAVEL
— EOP	EDGE OF PAVEMENT
—	SETBACK
—	RETAINING WALL
—	WETLAND
—	100' RESIDENTIAL BUFFER
—	GREEN AREA SETBACK
—	WETLAND BUFFER
—	CHAIN LINK FENCE
—	EASEMENT
—	PROPOSED TREELINE
—	GUARD RAIL
—	PROPOSED EDGE OF PAVEMENT





 SHRUBS  


 PERENNIALS/GRASSES

( IN FEET )  
1 inch = 40 ft.

## LANDSCAPE PLAN

MAP 161 LOTS 49 & 50

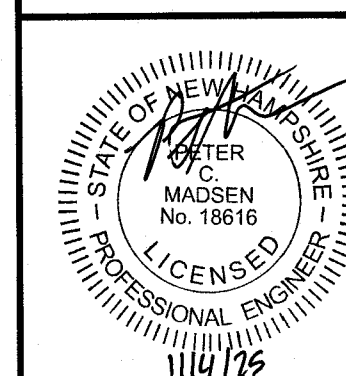
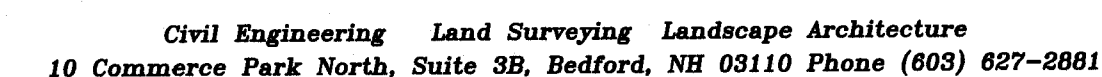
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

OWNER OF LOT 49/APPLICANT:

CLEMENT WAREHOUSE L  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

OWNER LOT 50:

18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977



## REVISIONS

[illegible]

DATE: OCTOBER 27, 2025

SCALE: 1" = 30'

PROJECT NO: 25-0717-1

**SHEET 9 OF 17**

PLANTING SCHEDULE					
<u>Botanical Name/ Common Name</u>	<u>Size</u>	<u>Label</u>	<u>Quantity</u>	<u>Mature Height</u>	
<b>Trees</b>					
<i>Cornus kousa</i> / Kousa Dogwood	2.5-3" CAL.	CK	2	20-30'	
<i>Pyrus calleryana</i> 'Chantidee' / Chantidee Flowering Pear	2.5-3" CAL.	PC	2	30-40'	
<b>Shrubs</b>					
<i>Azalea</i> 'Bloom A Thon Lavendar' / Bloom A Thon Lavendar Azalea	#3	AB	3	4-5'	
<i>Hydrangea paniculata</i> 'Bomshell' / Bomshell Panicle Hydrangea	#3	BH	2	3-4'	
<i>Thuja occidentalis</i> 'Elegantissima' / Gold-tipped Abroborvitae	5-6' B&B	GT	2	3-4'	
<i>Morella carolinensis</i> / Small Bayberry	#3	MC	1	5-10'	
<b>Perennials</b>					
<i>Hemerocallis</i> 'Joan Senior' / Joan Senior	#1 Gal.	JS	8	18-24"	
<i>Hemerocallis</i> 'Stella de Oro' / Stella de Oro	#1 Gal.	SO	10	18-24"	
<b>Grasses</b>					
<i>Panicum virgaatum</i> 'Shenandoah' / Shenandoah Switch Grass	#2 Gal.	PV	8	3-4'	





NAD 83

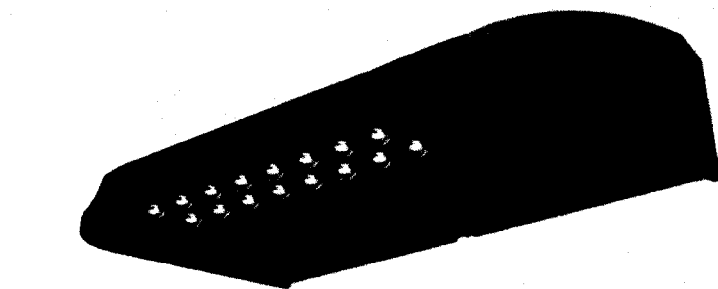
LIGHTING NOTES:

- 1. ALL LIGHTS/FIXTURES SHALL BE AS SPECIFIED BY EXPOSURE LIGHTING.
2. ALL PROPOSED LIGHTS/FIXTURES ARE TO BE FULL CUTOFF.
3. FIXTURES SHALL BE MOUNTED AT HEIGHTS AS SPECIFIED IN TABLE.
4. PRIOR TO CONSTRUCTION, THE SITE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ELECTRICIAN FOR THE EXACT LOCATION, LAYOUT, CONDUIT SIZE AND CIRCUITS ASSOCIATED WITH THE SITE LIGHTING.

Table with 6 columns: Symbol, Qty, Label, Arrangement, Description, [MANUFAC]. It lists two types of luminaires: W2 (3 qty) and W1 (1 qty).

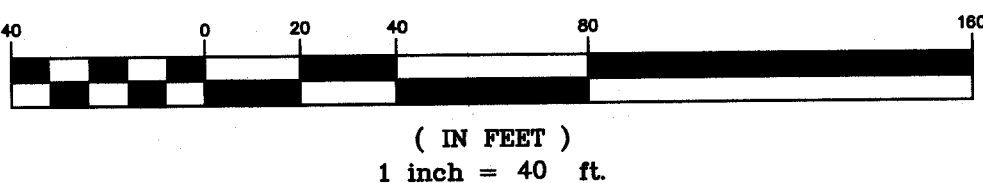
LEGEND

- Legend symbols and descriptions: IRF (IRON ROD FOUND), IRR (IRON ROD RECOVERED), IPF (IRON PIPE FOUND), GB-TBS (GRANITE BOUND TO BE SET), IPIN-TBS (IRON PIN TO BE SET), UTILITY POLE, WATER VALVE, CATCH BASIN, SIGN, SEWER MANHOLE, DRAINAGE MANHOLE, OUTDOOR LIGHT, STREET LIGHT, ABUTTER LINE, STONEWALL, OVERHEAD UTILITIES, TREELINE, EDGE OF GRAVEL, EDGE OF PAVEMENT, SETBACK, RETAINING WALL, WETLAND, 100' RESIDENTIAL BUFFER, GREEN AREA SETBACK, WETLAND BUFFER, CHAIN LINK FENCE, EASEMENT, PROPOSED TREELINE, GUARD RAIL, PROPOSED EDGE OF PAVEMENT.



MIRADA MEDIUM WALL SCONCE (XWM)

GRAPHIC SCALE



IN ASSOCIATION WITH:



KENNETH SWEENEY | APPLICATIONS ENGINEER
603.759.1043
6 SCOTT RD | HAMPTON, NH 03842 | 603.601.8080
EXPOSURE2LIGHTING.COM

LIGHTING PLAN
ERICKSON FOUNDATION SOLUTIONS

MAP 161 LOTS 49 & 50
14 & 18 CLEMENT ROAD
HUDSON, NEW HAMPSHIRE
HILLSBOROUGH COUNTY

OWNER OF LOT 49/APPLICANT:
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14 CLEMENT ROAD
HUDSON, N.H. 03051
BK. 9014 PG. 1118

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29 BOYD ROAD
HUDSON, N.H. 03051
BK. 9792 PG. 977



KEACH-NORDSTROM ASSOCIATES, INC.
Civil Engineering Land Surveying Landscape Architecture
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

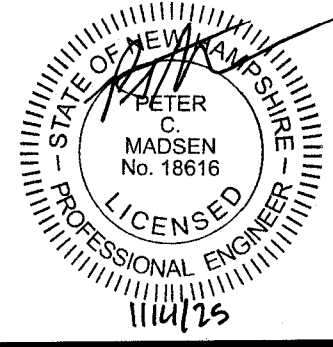
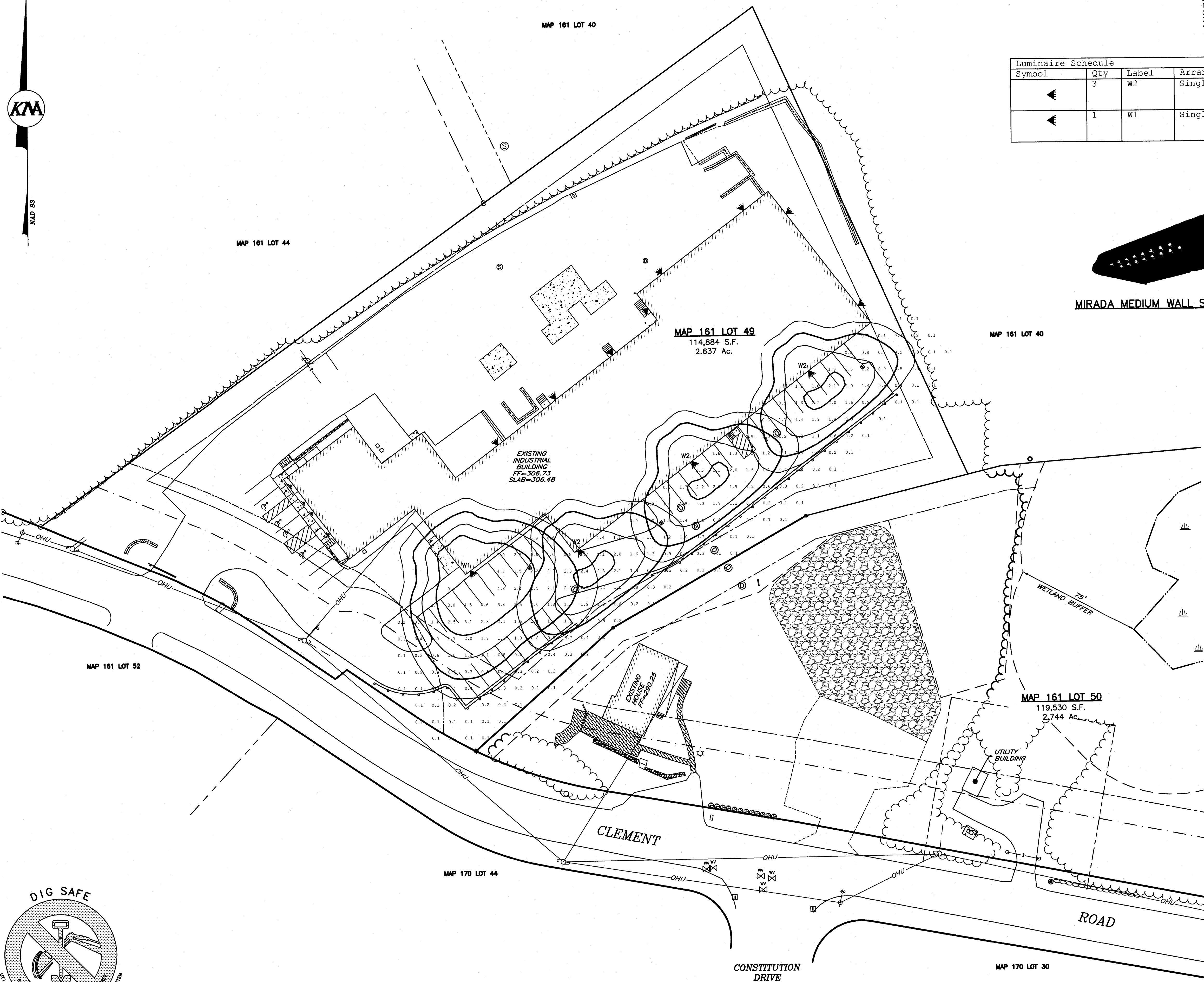
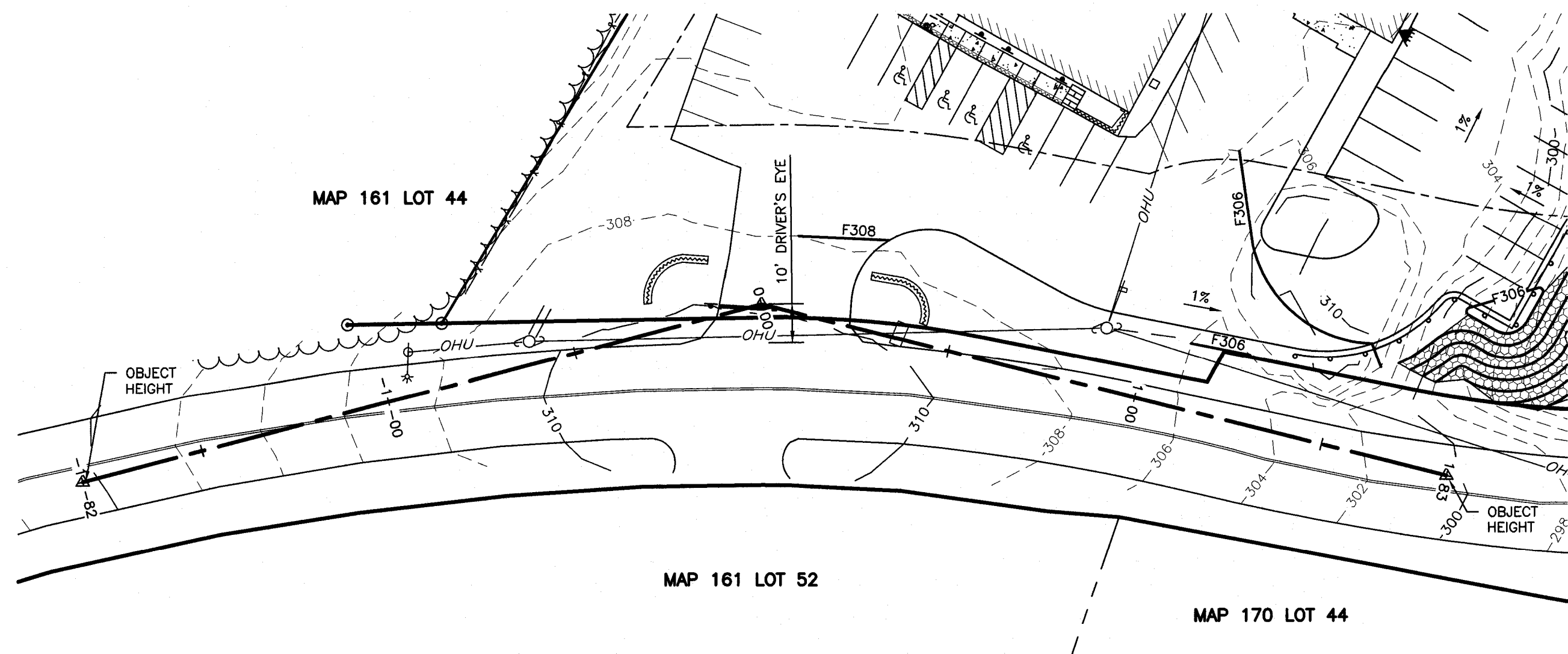
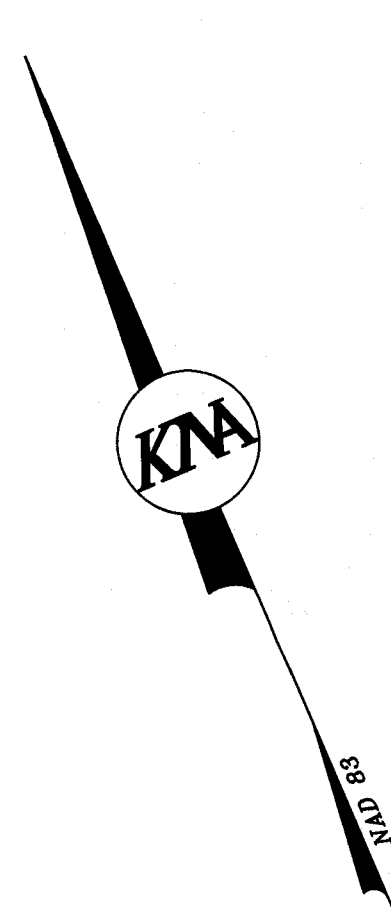


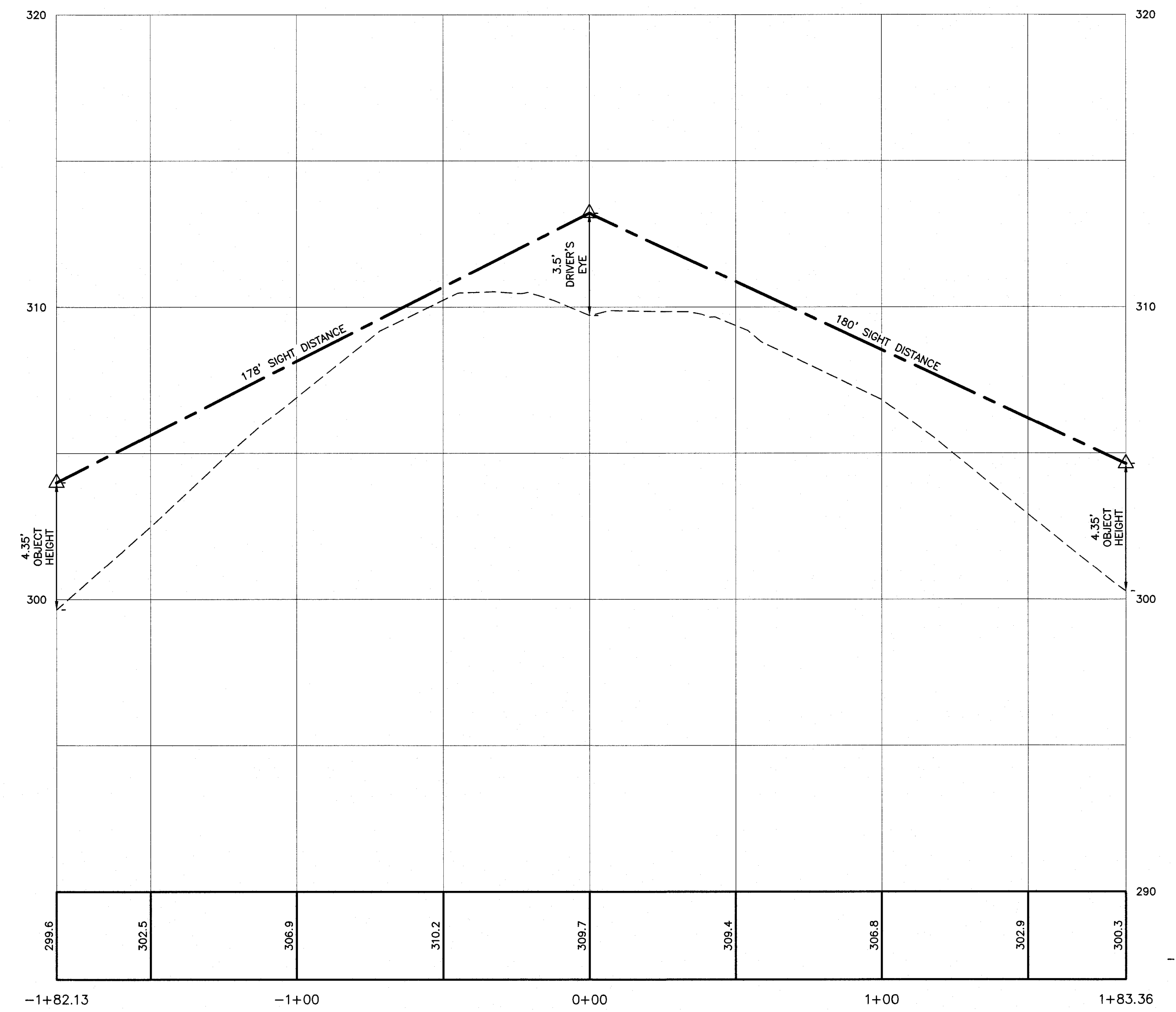
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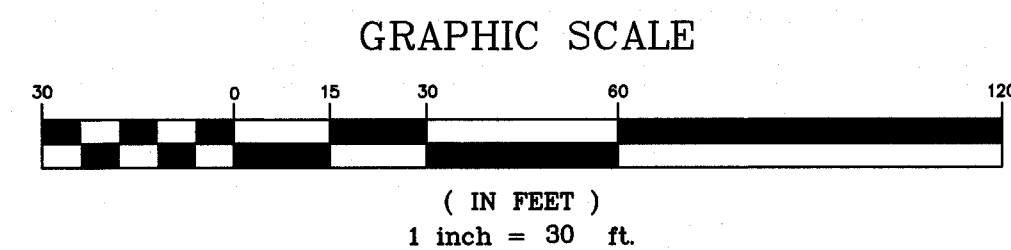


LOT 49 SIGHT DISTANCE PLAN  
SCALE: 1" = 30'



LOT 49 SIGHT DISTANCE PROFILE  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)

- LEGEND**
- IRF IRON ROD FOUND
  - IRR IRON ROD RECOVERED
  - IPF IRON PIPE FOUND
  - GB-TBS GRANITE BOUND TO BE SET
  - IPIN-TBS IRON PIN TO BE SET
  - UTILITY POLE
  - WATER VALVE
  - CATCH BASIN
  - SIGN
  - SEWER MANHOLE
  - DRAINAGE MANHOLE
  - OUTDOOR LIGHT
  - STREET LIGHT
  - ABUTTER LINE
  - STONEWALL
  - OHU OVERHEAD UTILITIES
  - 10' CONTOUR
  - 2' CONTOUR
  - TREELINE
  - EDGE OF GRAVEL
  - EOP EDGE OF PAVEMENT
  - SETBACK
  - RETAINING WALL
  - WETLAND
  - 100' RESIDENTIAL BUFFER
  - WETLAND BUFFER
  - CHAIN LINK FENCE
  - EASEMENT
  - PROPOSED TREELINE
  - GUARD RAIL
  - PROPOSED EDGE OF PAVEMENT
  - PROPOSED 2' CONTOUR

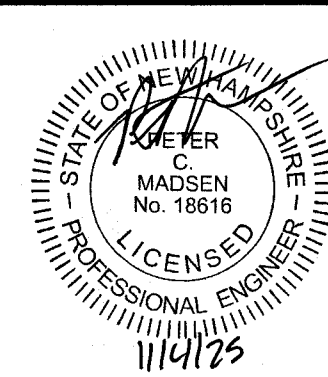


**SIGHT DISTANCE PLAN & PROFILE**  
**ERICKSON FOUNDATION SOLUTIONS**  
MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER OF LOT 49/APPLICANT:**  
CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

**OWNER LOT 50:**  
18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
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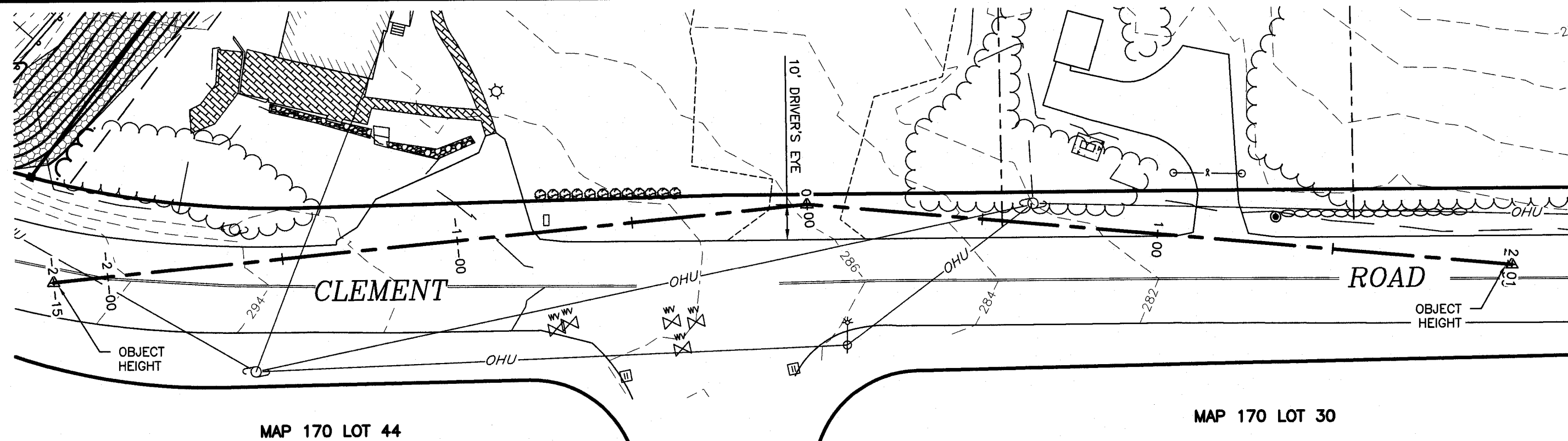
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No.	DATE	DESCRIPTION	BY
DATE: OCTOBER 27, 2025		SCALE: 1" = 30'	
PROJECT NO: 25-0717-1		SHEET 11 OF 17	



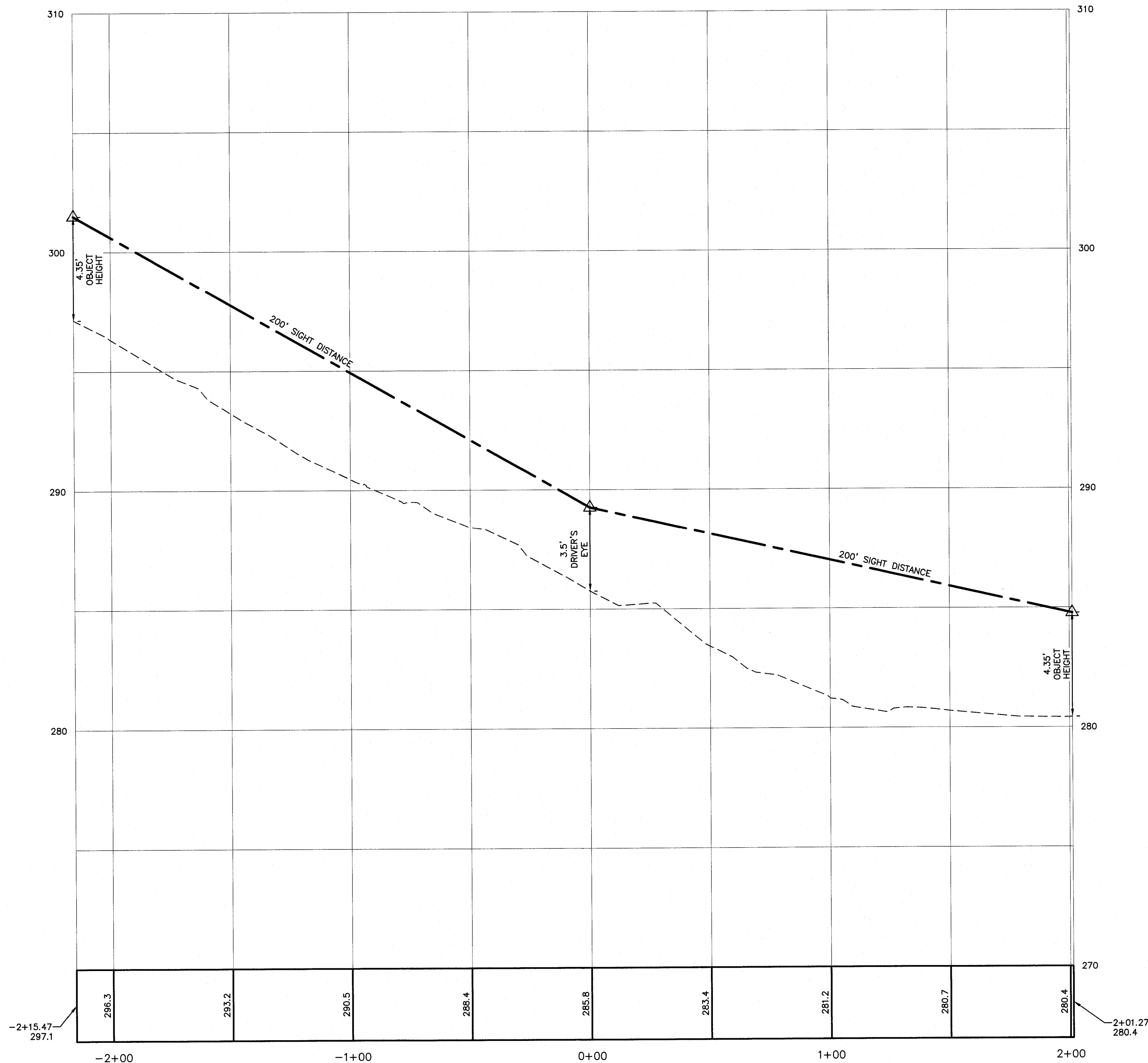




MAP 63



LOT 50 SIGHT DISTANCE PLAN  
SCALE: 1" = 30'

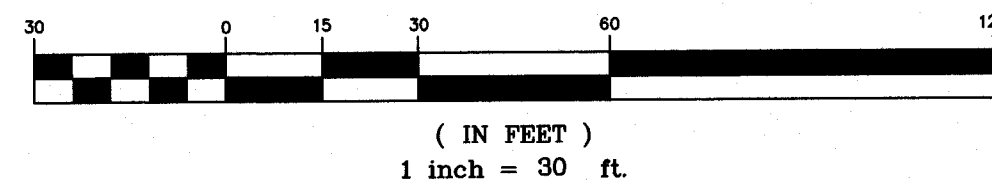


LOT 50 SIGHT DISTANCE PROFILE  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)

LEGEND

- IRF IRON ROD FOUND
- IRR IRON ROD RECOVERED
- IPF IRON PIPE FOUND
- GB-TBS GRANITE BOUND TO BE SET
- IPIN-TBS IRON PIN TO BE SET
- UTILITY POLE
- WATER VALVE
- CATCH BASIN
- SIGN
- SEWER MANHOLE
- DRAINAGE MANHOLE
- OUTDOOR LIGHT
- STREET LIGHT
- ABUTTER LINE
- STONEWALL
- OVERHEAD UTILITIES
- 10' CONTOUR
- 2' CONTOUR
- TREELINE
- EDGE OF GRAVEL
- EDGE OF PAVEMENT
- SETBACK
- RETAINING WALL
- WETLAND
- 100' RESIDENTIAL BUFFER
- WETLAND BUFFER
- CHAIN LINK FENCE
- EASEMENT
- PROPOSED TREELINE
- GUARD RAIL
- PROPOSED EDGE OF PAVEMENT
- PROPOSED 2' CONTOUR

GRAPHIC SCALE



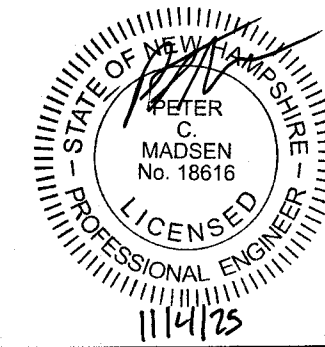
SIGHT DISTANCE PLAN & PROFILE  
ERICKSON FOUNDATION SOLUTIONS  
MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

OWNER OF LOT 49/APPLICANT:  
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14 CLEMENT ROAD  
HUDSON, N.H. 03051  
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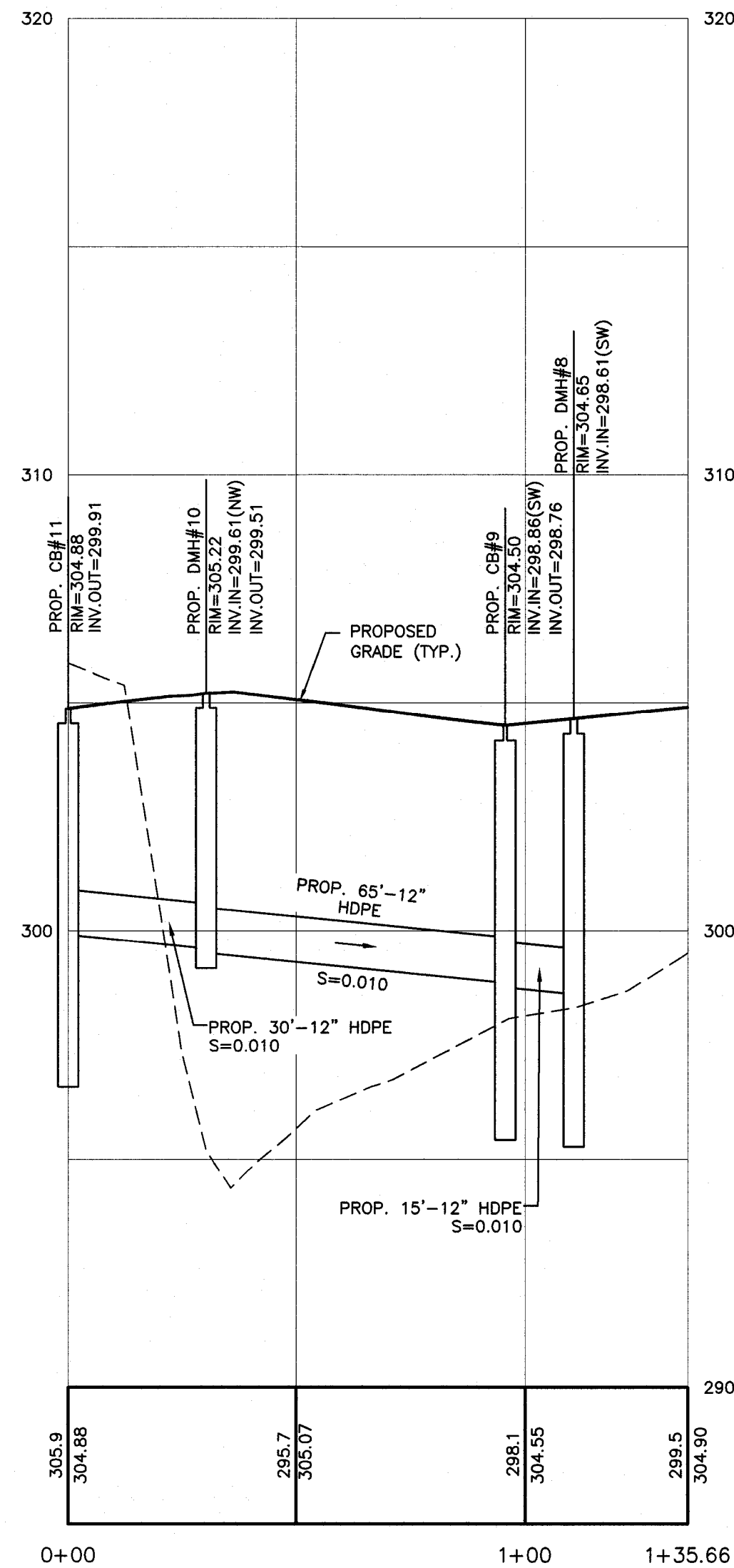
KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



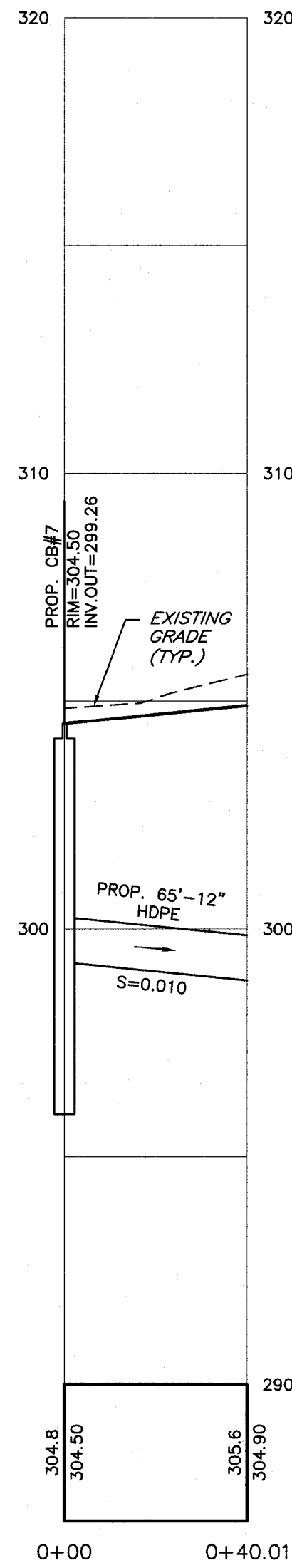
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DATE: OCTOBER 27, 2025		SCALE: 1" = 30'	
PROJECT NO: 25-0717-1		SHEET 12 OF 17	



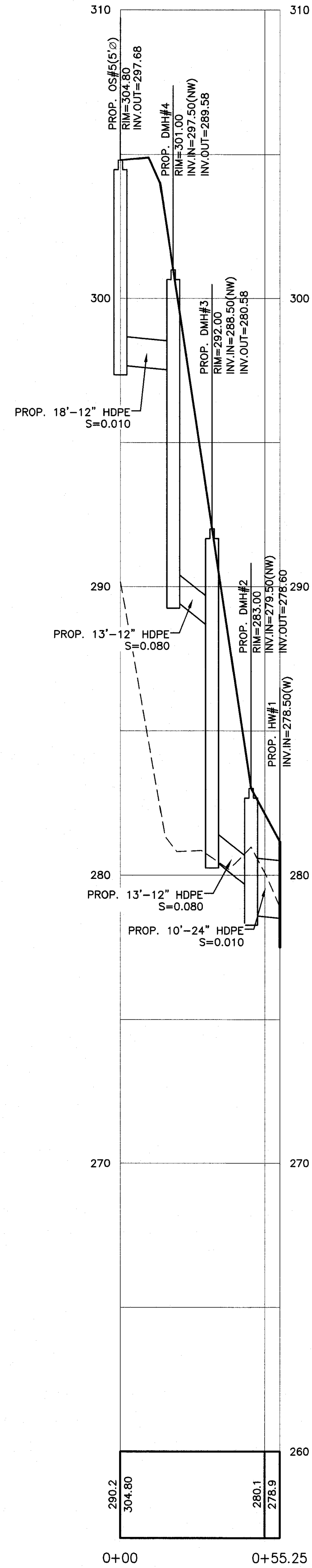




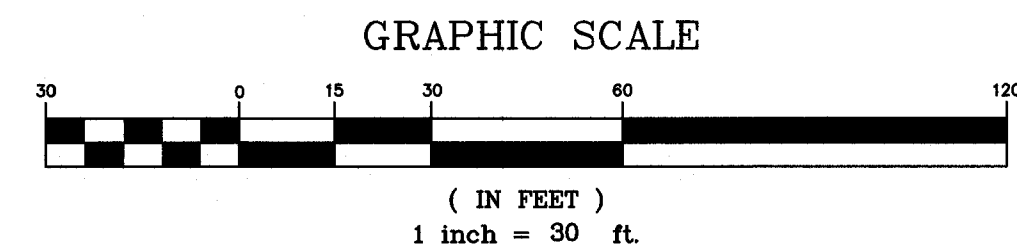
**DRAINAGE PROFILE**  
**CB#11 TO DMH#8**  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)



**DRAINAGE PROFILE**  
**CB#7 TO DMH#6**  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)



**DRAINAGE PROFILE**  
**QS#5 TO HW#1**  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)

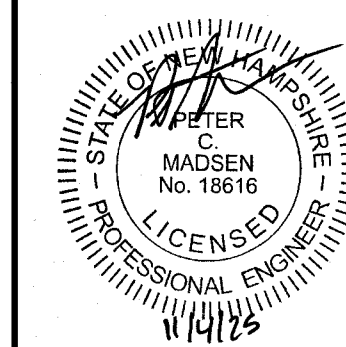


**DRAINAGE PROFILES**  
**ERICKSON FOUNDATION SOLUTIONS**  
MAP 161 LOTS 49 & 50  
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HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

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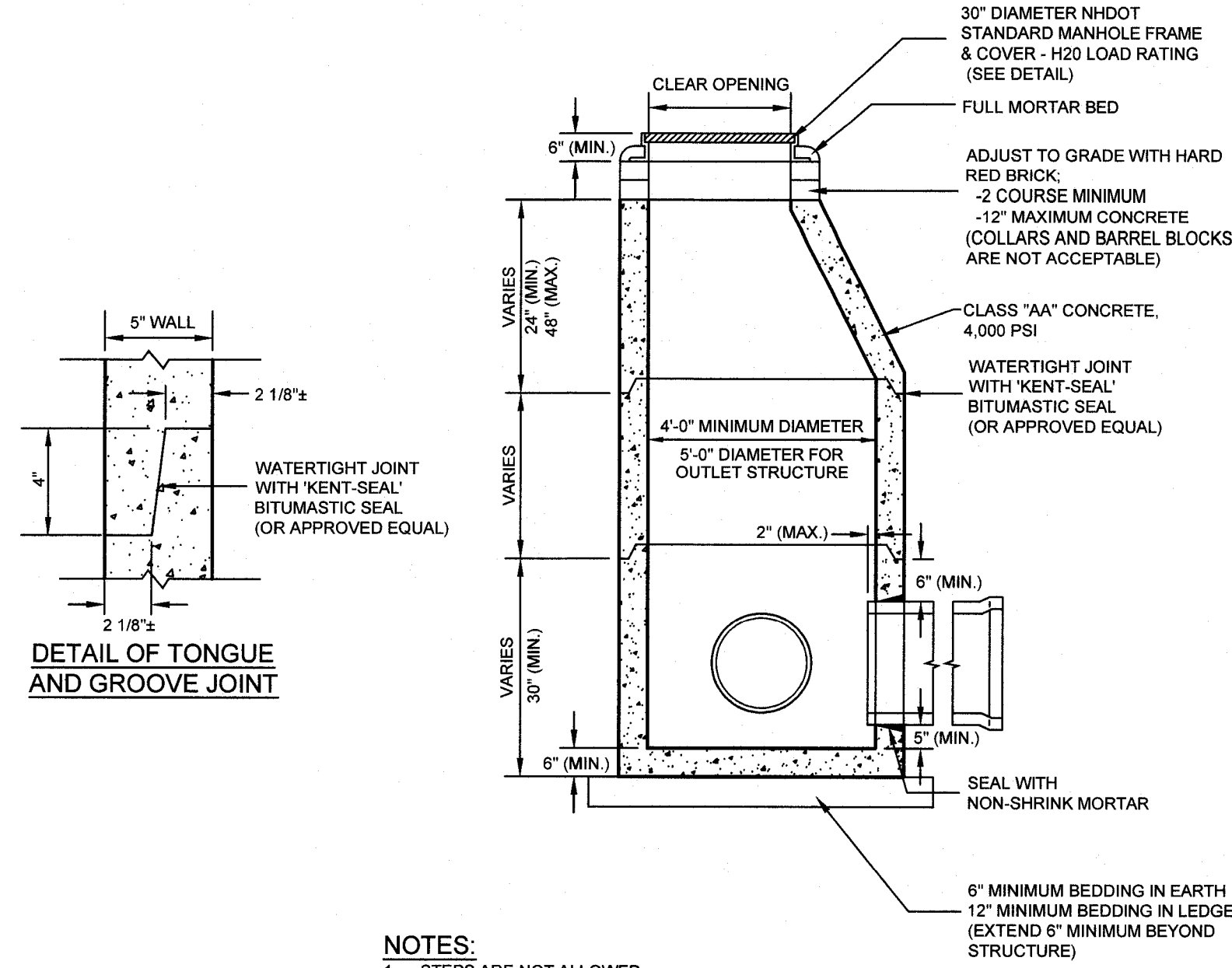
**OWNER LOT 50:**  
18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

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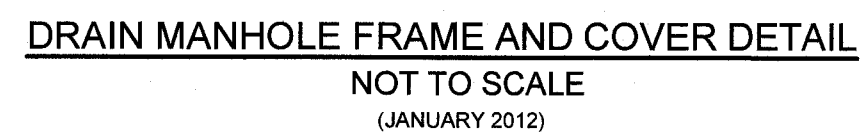
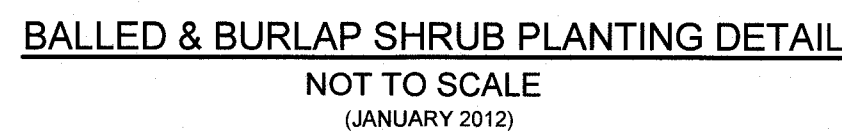


REVISIONS			
No.	DATE	DESCRIPTION	BY
DATE: OCTOBER 27, 2025		SCALE: 1" = 30'	
PROJECT NO: 25-0717-1		SHEET 13 OF 17	



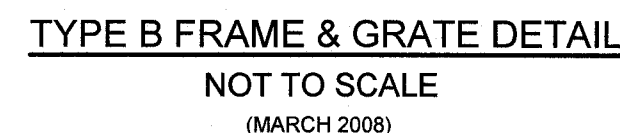


- PRECAST REINFORCED DRAIN MANHOLE DETAIL**  
**NOT TO SCALE**  
(MARCH 2008)

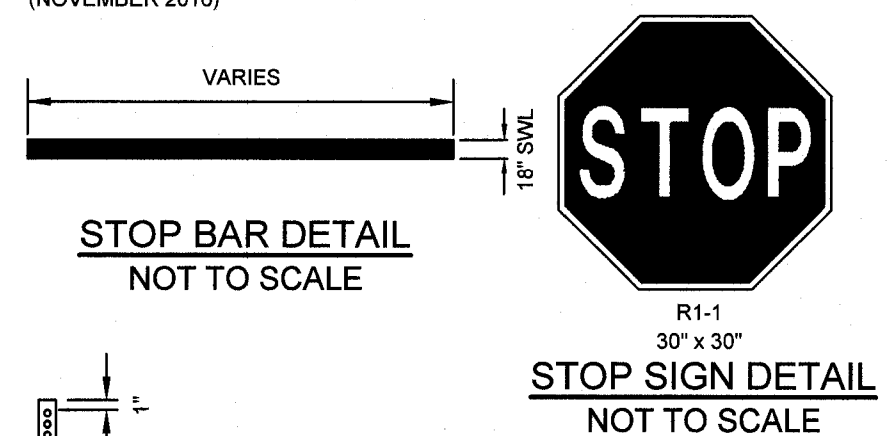
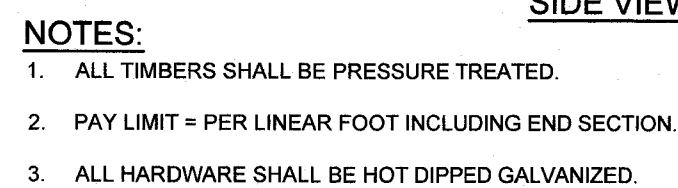


- PERMANENT PAVEMENT REPAIR  
NOT TO SCALE

- PRECAST REINFORCED CATCH BASIN**  
**NOT TO SCALE**  
(MAY 2012)



- 1.5 : 1 SLOPE DETAIL**  
**NOT TO SCALE**  
(MARCH 2008)

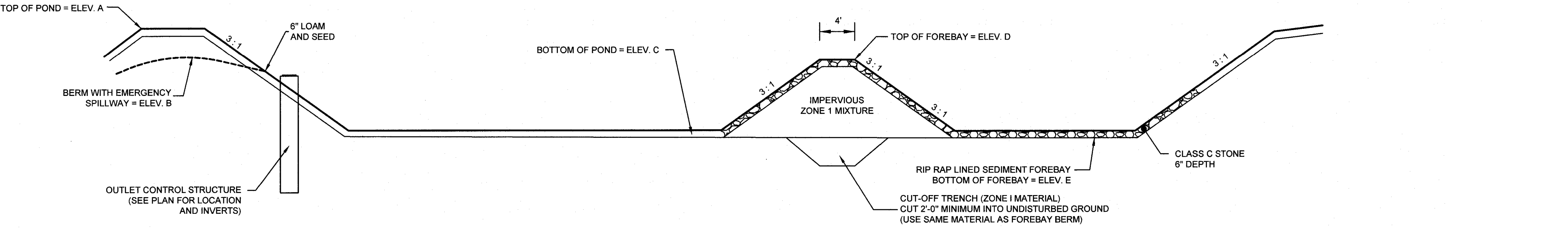


- STEEL SIGN POST DETAIL**  
**NOT TO SCALE**  
(MARCH 2008)



No.	DATE	DESCRIPTION	BY
DATE: OCTOBER 27, 2025		SCALE: AS NOTED	
PROJECT NO: 25-0717-1		SHEET 14 OF 17	



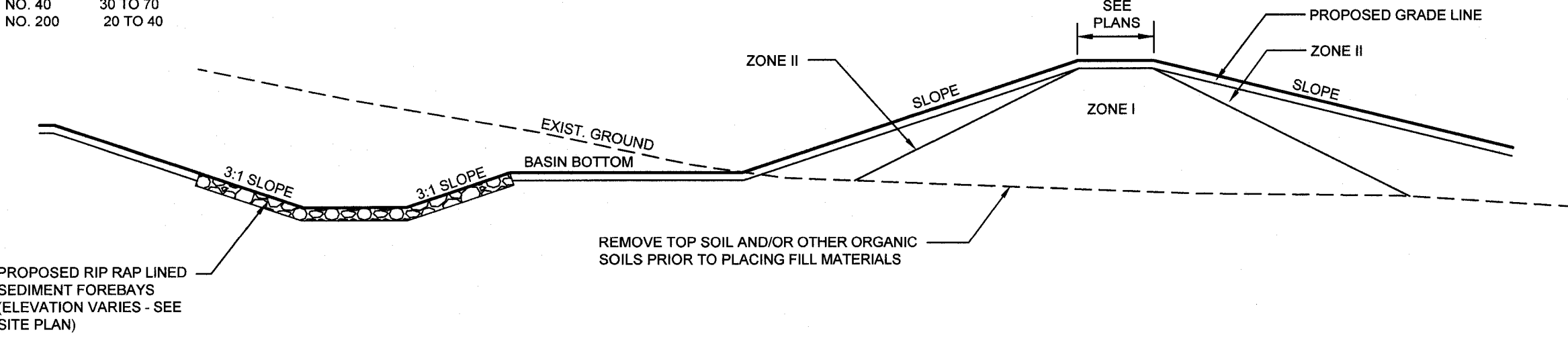


### MATERIAL TYPE/SPECIFICATIONS

**ZONE I**  
WELL GRADED MIXTURE OF GRAVEL, SAND, SILT OR CLAY WITH MAX. 6-INCH SIZE STONE AND GEADATION AS INDICATED BELOW. PLACE IN MAX. 12-INCH THICK LIFTS TO 95% OF MAX. DRY DENSITY IN ACCORDANCE WITH ASTM D1557. SCARIFY SURFACE PRIOR TO PLACING SUBSEQUENT LIFT. IN ADDITION, REMOVE ORGANIC SOILS.

SIEVE SIZE	PERCENT BY WEIGHT PASSING
6-INCH	100
NO. 4	50 TO 100
NO. 40	30 TO 70
NO. 200	20 TO 40

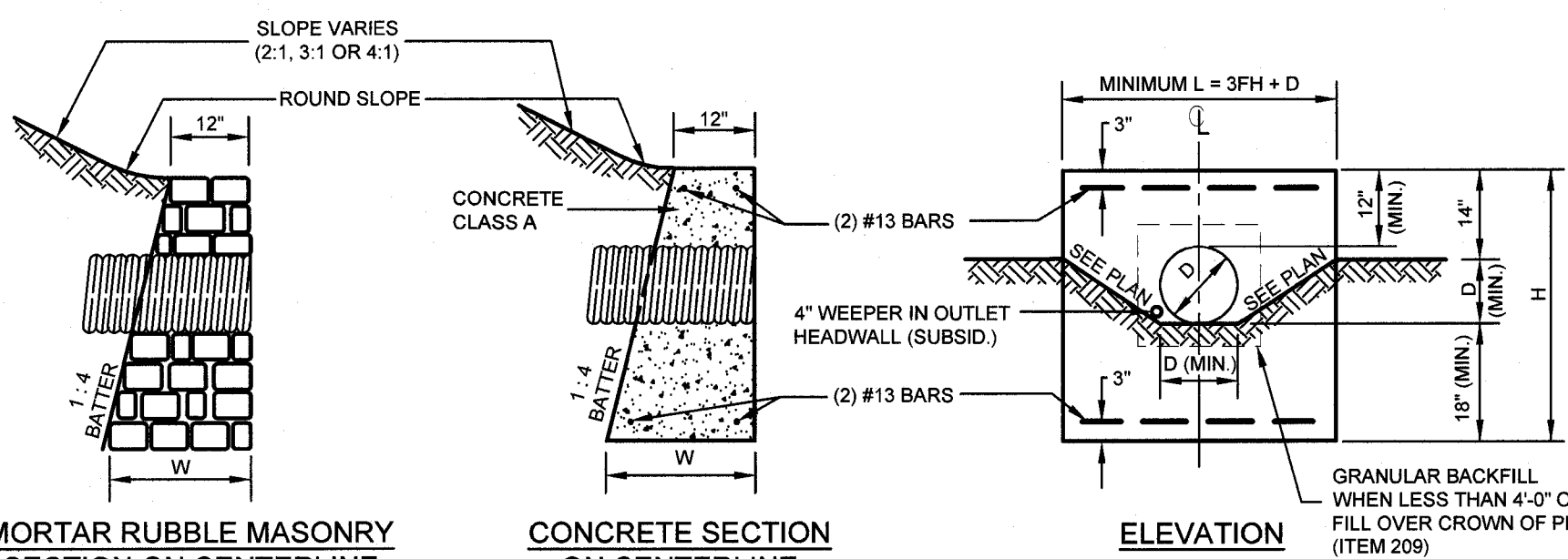
### TYPICAL INFILTRATION POND SECTION NOT TO SCALE



### STORMWATER PONDS CONSTRUCTION SEQUENCE

- CONTRACTOR TO NOTIFY DIG-SAFE 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CUT AND CLEAR TREES AND BRUSH FROM CONSTRUCTION AREAS TO THE EXTENT NECESSARY. ALL BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF BY CONTRACTOR.
- PRIOR TO GRUBBING OF CLEARED AREAS, ALL SILTATION BARRIERS DESIGNED FOR USE AS TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS CALLED FOR ON PROJECT PLANS.
- COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND SIMILAR DEBRIS SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR. ORGANIC MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLAND AREAS. ALL STOCKPILES SHALL BE SEEDED WITH WINTER RYE AND, IF NECESSARY, SURROUNDED WITH HAY BALES IN ORDER TO PREVENT LOSS DUE TO EROSION.
- CONSTRUCT TEMPORARY CULVERTS AS NECESSARY TO FACILITATE CONSTRUCTION ACTIVITIES. ALL SUCH CROSSINGS SHALL BE PROTECTED WITH HAY BALE BARRIERS TO LIMIT EROSION.
- CONSTRUCT CUT-OFF TRENCH (PART OF ZONE I).
- CONSTRUCT OUTLET AND OVERFLOW STRUCTURE, CULVERT, ANTI SEEP COLLARS, HEADWALL, AND RIP RAP OUTLET PROTECTION AS SHOWN ON PLANS.
- CONSTRUCT ZONE I PORTION OF EARTH EMBANKMENT.
- CONSTRUCT ZONE II PORTION OF EARTH EMBANKMENT.
- APPLY TOPSOIL TO SLOPES AND OTHER AREAS DISTURBED BY CONSTRUCTION. TOPSOIL USED MAY BE NATIVE ORGANIC MATERIAL SCREENED SO AS TO BE FREE OF ROOTS, BRANCHES, STONES, AND OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL BE APPLIED SO AS TO PROVIDE A MINIMUM OF A 4-INCH COMPACTED THICKNESS. UPON COMPLETION OF TOPSOILING, FINISHED SECTIONS ARE TO BE LIMED, SEEDED AND MULCHED. CONSTRUCTION PERSONNEL SHALL INSPECT COMPLETED SECTIONS OF WORK ON A REGULAR BASIS AND REMEDY ANY PROBLEM AREAS UNTIL A HEALTHY STAND OF GRASS HAS BECOME ESTABLISHED.
- MAINTAIN, REPAIR, AND REPLACE AS NECESSARY TEMPORARY EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENTIRE CONSTRUCTION AREA HAS BEEN STABILIZED (A MINIMUM OF ONE WINTER SHALL HAVE PASSED).
- AFTER STABILIZATION, REMOVE AND SUITABLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES.
- MONITOR CONSTRUCTION ACTIVITIES TO INSURE CONSTRUCTION ACTIVITIES ARE BEING PERFORMED IN SUCH A WAY AS NOT TO ENDANGER THE INTEGRITY OF EARTH EMBANKMENTS, STORMWATER CONTROL STRUCTURE, CULVERT AND RIP RAP OUTLET PROTECTION.

### STORMWATER POND BASIN EMBANKMENT DETAIL



### NOTE:

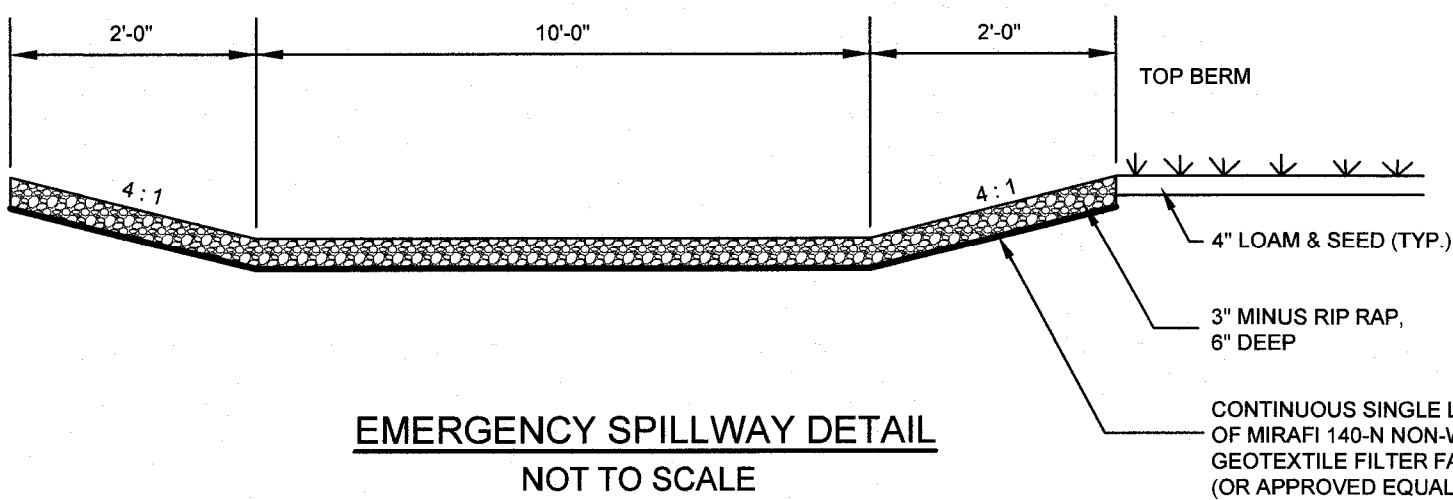
DIMENSIONS SHOWN ARE TO PAYMENT LINES. MORTAR RUBBLE MASONRY TO BE STEPPED OUTSIDE PAYMENT LINES ON SLOPING FACES.

SECTION HEAD														"L" HEADWALL	
DIAMETER D (INCH)	AREA OF PIPE (SF)	MASONRY PER FOOT OF WALL (CU. YD.)	MASONRY PER HOLE (CU. FT.)	MASONRY PER STANDARD HEADER (CU. YD.)	STEEL PER STANDARD HEADER (LB)	LENGTH OF BARS	PIPE EXC. 1' DEPTH (CU. YD.)	HEADER EXC. PER HEADER 1' DEPTH (CU. YD.)	ITEM 209 PER LINEAR FOOT	HEADER LENGTH L	HEADER HEIGHT H	FILL HEIGHT FH	WIDTH AT BOTTOM OF HEADER W	MASONRY IN CORNER FRUSTRUM (CU. YD.)	HEADER EXC. PER HEADER 1' DEPTH (CU. YD.)
12"	0.79	0.186	1.08	0.61	9	3'-2"	0.111	0.789	0.30	3'-6"	3'-6"	10"	1'-10 1/2"	0.28	1.057
15"	1.23	0.202	1.73	0.85	11	3'-10"	0.120	0.947	0.35	4'-6"	3'-9"	1'-1"	1'-11 1/4"	0.31	1.232
18"	1.77	0.222	2.52	1.13	14	5'-2"	0.130	1.111	0.39	5'-6"	4'-0"	1'-4"	2'-0"	0.35	1.406
24"	3.14	0.260	4.71	1.78	20	7'-2"	0.148	1.451	0.48	7'-6"	4'-6"	1'-10"	2'-1 1/2"	0.42	1.776
30"	4.91	0.301	7.67	2.58	25	9'-2"	0.185	1.810	0.65	9'-6"	5'-0"	2'-4"	2'-3"	0.51	2.164
36"	7.07	0.344	11.49	3.53	31	11'-2"	0.222	2.187	0.85	11'-6"	5'-6"	2'-10"	2'-4 1/2"	0.61	2.572
42"	9.62	0.389	16.24	4.85	36	13'-2"	0.259	2.581	1.07	13'-6"	6'-0"	3'-4"	2'-6"	0.72	3.000
48"	12.57	0.436	21.59	5.95	42	15'-2"	0.296	3.000	1.31	15'-6"	6'-6"	3'-10"	2'-7 1/2"	0.84	3.447
54"	15.90	0.486	28.83	7.44	47	17'-2"	0.333	3.432	1.58	17'-6"	7'-0"	4'-4"	2'-8"	0.98	3.914
60"	19.63	0.538	36.82	9.13	52	19'-2"	0.370	3.882	1.87	19'-6"	7'-6"	4'-10"	2'-10 1/2"	1.12	4.401
66"	23.76	0.593	46.03	11.04	58	21'-2"	0.407	4.350	2.17	21'-6"	8'-0"	5'-4"	3'-0"	1.28	4.907
72"	28.27	0.649	56.55	13.17	63	23'-2"	0.445	4.838	2.50	23'-6"	8'-6"	5'-10"	3'-11 1/2"	1.46	5.433

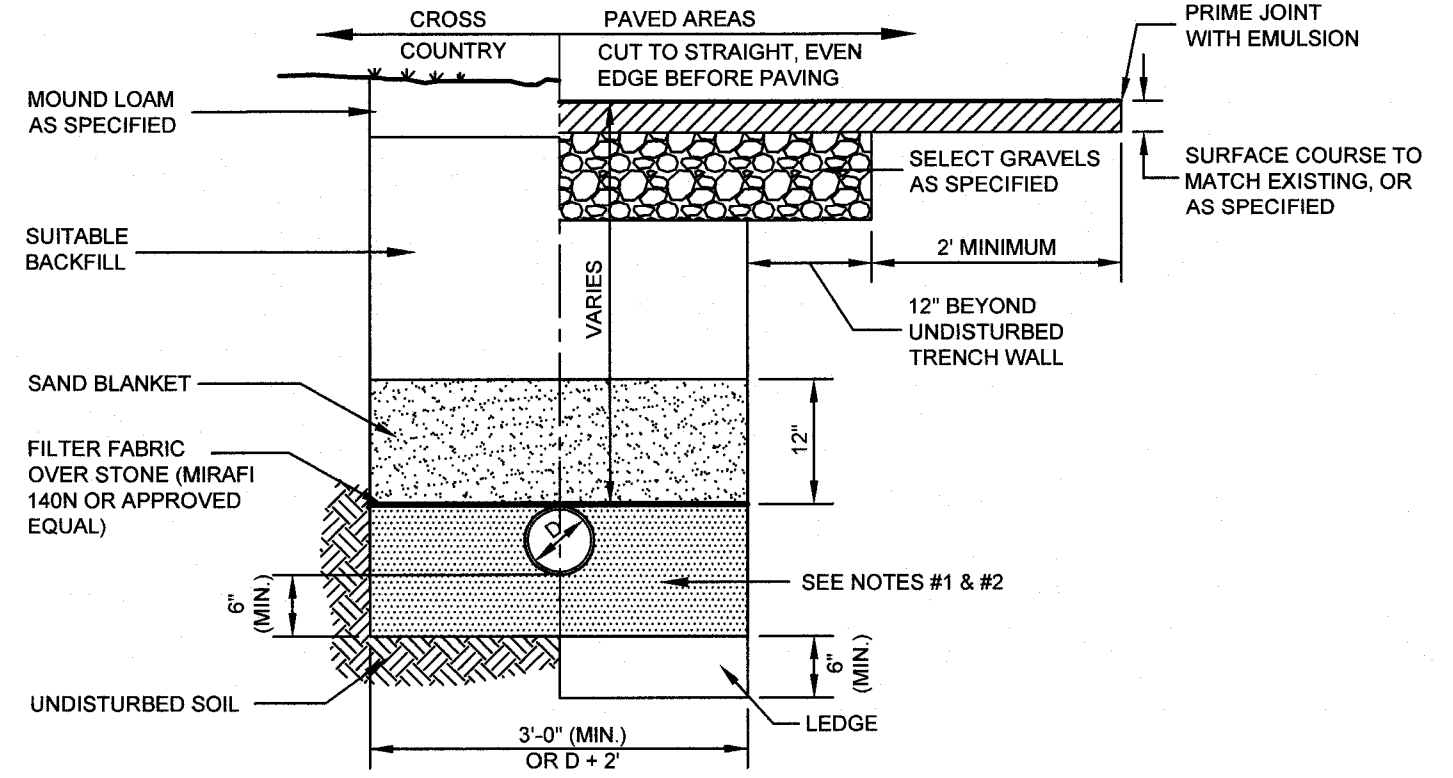
NOTE: STEEL QUANTITIES ARE FOR CONCRETE HEADWALLS ONLY.

### MORTAR RUBBLE MASONRY AND CONCRETE HEADWALLS

NOT TO SCALE  
(MARCH 2008)



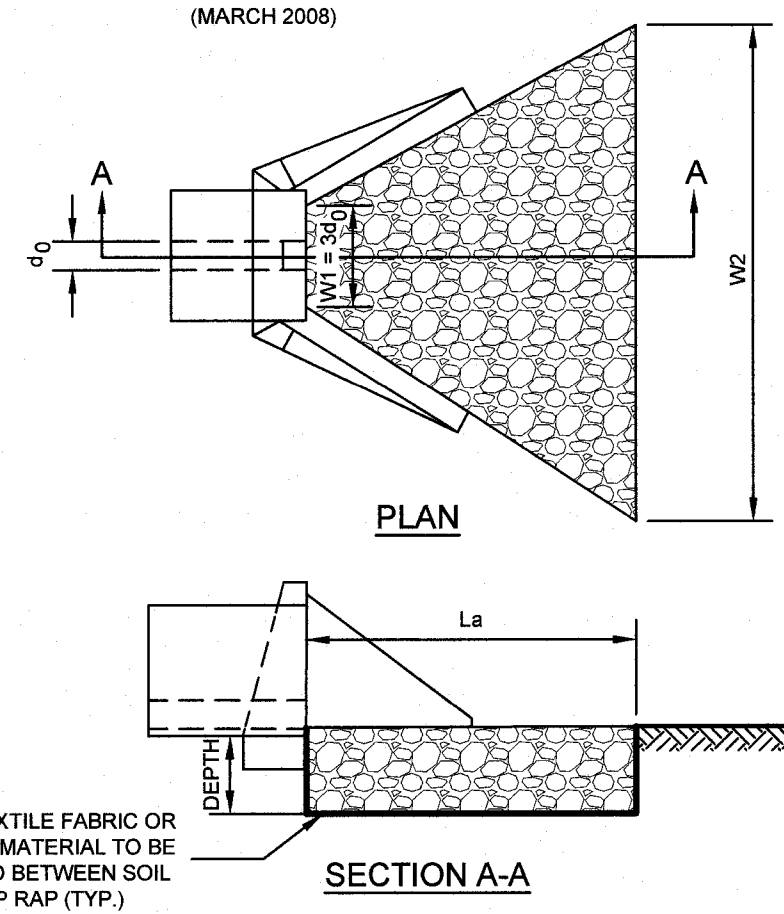
### EMERGENCY SPILLWAY DETAIL NOT TO SCALE (MARCH 2008)



### NOTES

- THOROUGHLY COMPACTED SCREENED GRAVEL FOR RCP PIPE. SCREENED GRAVEL TO EXTEND TO SELECT FILL LINE.
- FOR HDPE OR PVC PIPE, BEDDING SHALL BE 3/4" STONE TO THE TOP OF THE PIPE.

### STORM DRAINAGE TRENCH DETAIL NOT TO SCALE (MARCH 2008)



### PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL

NOT TO SCALE  
(MARCH 2008)

LOCATION	La	W1	W2	d50	DEPTH
PROP. HW#1	12'	3'	8'	4"	10"

### POST CONSTRUCTION STORMWATER MAINTENANCE REQUIREMENTS:

THE FOLLOWING STANDARDS WILL BE MET AFTER CONSTRUCTION IS COMPLETE:

#### DOCUMENTATION:

A MAINTENANCE LOG WILL BE KEPT SUMMARIZING INSPECTIONS, MAINTENANCE, AND ANY CORRECTIVE ACTIONS TAKEN. THE LOG WILL INCLUDE THE DATE ON WHICH EACH INSPECTION OR MAINTENANCE TASK WAS PERFORMED, A DESCRIPTION OF THE INSPECTION FINDINGS OR MAINTENANCE COMPLETED, AND THE NAME OF THE INSPECTOR OR MAINTENANCE PERSONNEL PERFORMING THE TASK. IF A MAINTENANCE TASK REQUIRES THE CLEAN OUT OF ANY SEDIMENTS OR DEBRIS, THE LOCATION WHERE THE SEDIMENT AND DEBRIS WAS DISPOSED AFTER REMOVAL WILL BE INDICATED. THE MAINTENANCE LOG SHALL BE SENT TO THE TOWN OF LONDONDERRY DEPARTMENT OF PUBLIC WORKS ON A YEARLY BASIS AND SHALL BE MADE AVAILABLE TO NHDES UPON REQUEST.

#### MAINTENANCE REQUIREMENTS:

##### INFILTRATION PONDS:

- SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EVENT EXCEEDING 2.5 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS WARRANTED BY SUCH INSPECTION.
- TRASH AND DEBRIS SHOULD BE REMOVED AT EACH INSPECTION.
- INSPECTION OF PRE-TREATMENT MEASURES AT LEAST TWICE ANNUALLY AND REMOVAL OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.
- AT LEAST ONCE ANNUALLY, THE SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF THE POND DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE FILTRATION FUNCTION OR INFILTRATION FUNCTION (AS APPLICABLE), INCLUDING BUT NOT LIMITED TO THE REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE BASIN BOTTOM.

##### SEDIMENT FOREBAYS:

- INSPECT AT LEAST ANNUALLY.
- CONDUCT PERIODIC MOWING OF EMBANKMENTS (GENERALLY TWO TIMES PER YEAR) TO CONTROL GROWTH OF WOODY VEGETATION ON EMBANKMENTS.
- REMOVE DEBRIS FROM OUTLET STRUCTURES AT LEAST ONCE ANNUALLY.
- REMOVE AND DISPOSE OF ACCUMULATED SEDIMENT BASED ON INSPECTION.

##### CATCH BASINS:

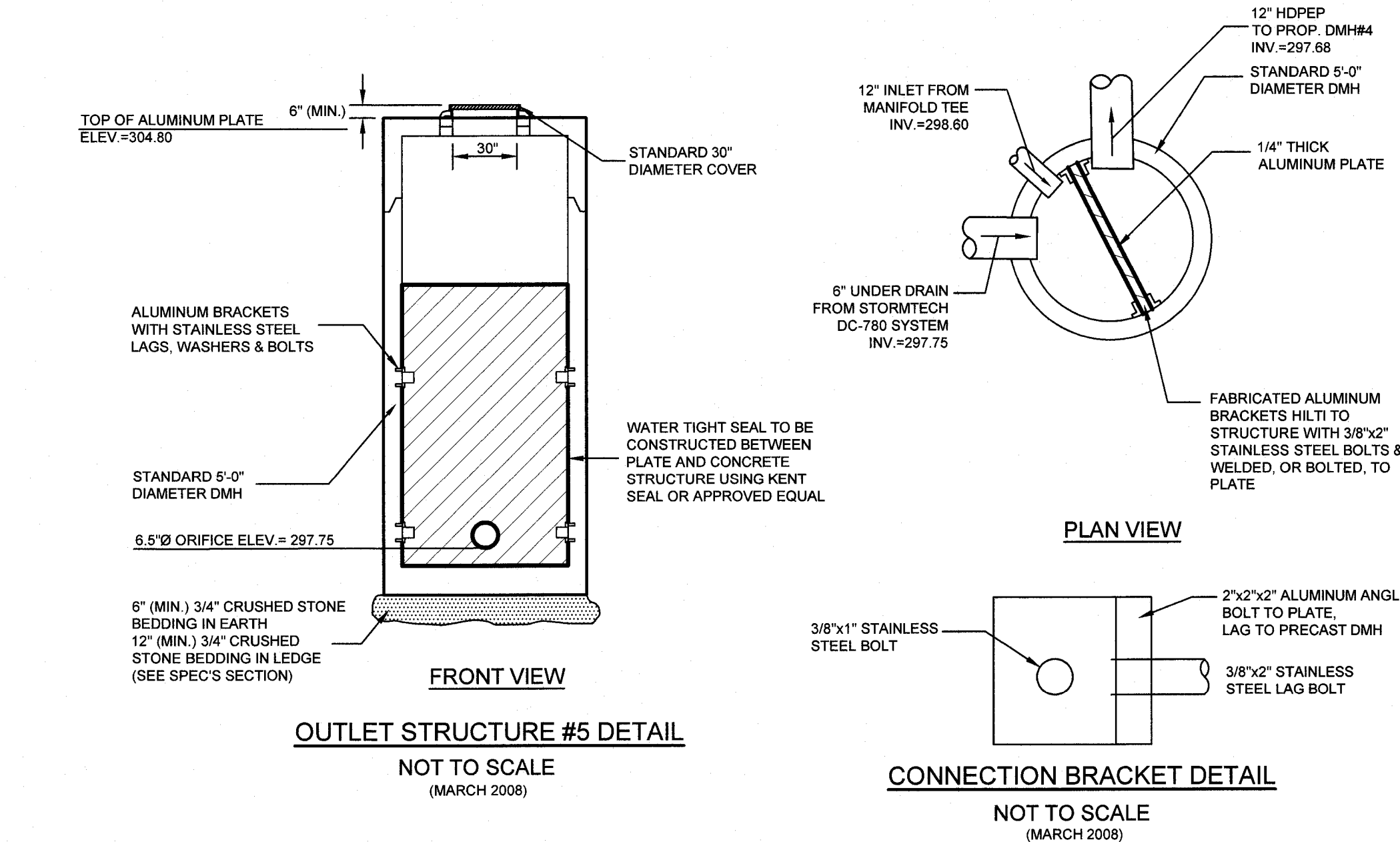
- CATCH BASINS MAY REQUIRE FREQUENT MAINTENANCE. DEPENDING ON LOCATION, THIS MAY REQUIRE SEVERAL CLEANINGS OF THE SUMPS EACH YEAR. AT A MINIMUM, IT IS RECOMMENDED THAT CATCH BASINS BE INSPECTED AT LEAST TWICE ANNUALLY, ONCE FOLLOWING SNOWMELT AND ONCE FOLLOWING LEAF-DROP, AND CLEANED AS INDICATED BY INSPECTION.
- SEDIMENT SHOULD BE REMOVED WHEN IT APPROACHES HALF THE SUMP DEPTH.
- IF FLOATING HYDROCARBONS ARE OBSERVED DURING AN INSPECTION, THE MATERIAL SHOULD BE REMOVED IMMEDIATELY BY SKIMMING, ABSORBENT MATERIALS, OR OTHER METHOD AND DISPOSED IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS.
- CLEANING MAY REQUIRE VACUUM-TRUCK INSTEAD OF "CLAM-SHELL" TO AVOID DAMAGE TO SNOUT HOOD.

##### OUTLET PROTECTION:

- INSPECT THE OUTLET PROTECTION ANNUALLY FOR DAMAGE AND DETERIORATION. REPAIR DAMAGES IMMEDIATELY.

##### GENERAL:

- IF ANY INVASIVE SPECIES BEGIN TO GROW IN THE STORMWATER MANAGEMENT PRACTICES THE SPECIE SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER THAT WILL NOT ALLOW THE PEST TO SURVIVE OR SPREAD. THE DISPOSAL OF SUCH SPECIES SHALL BE WITNESSED OR APPROVED BY A STATE INSPECTOR. METHODS FOR DISPOSAL MAY INCLUDE, BUT NOT BE LIMITED TO:
- ENCAPSULATING THE PLANT(S) IN PLASTIC BAGS AND DISPOSING OF THE PLANT MATERIAL IN ONE OF THE FOLLOWING WAYS:
  - TRASH PICKUP; DISCARDING; OPEN BURNING; INCINERATION; OR BURIAL OF INFESTED NURSERY.



### OUTLET STRUCTURE #5 DETAIL

NOT TO SCALE  
(MARCH 2008)

### CONNECTION BRACKET DETAIL

NOT TO SCALE  
(MARCH 2008)

TABLE 7-24 -- RECOMMENDED RIP RAP GRADATION RANGES	
PERCENT OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE
100%	1.5 TO 2.0 d50
85%	1.3 TO 1.8 d50
50%	1.0 TO 1.5 d50
15%	0.3 TO 0.5 d50

### CONSTRUCTION SPECIFICATIONS:

- THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
- THE ROCK OR GRAVEL USED FOR FILTER OR RIP RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
- GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
- STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

### MAINTENANCE:

THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR RAIN EVENT. IF THE RIP RAP HAS BEEN DISPLACED, UNDERMINED, OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.

## CONSTRUCTION DETAILS ERICKSON FOUNDATION SOLUTIONS

MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

#### OWNER OF LOT 49/APPLICANT:

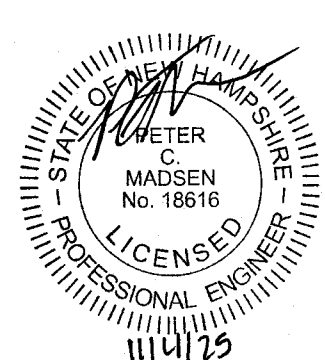
CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

#### OWNER LOT 50:

18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

**KM** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture

10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
DATE: OCTOBER 27, 2025		SCALE: AS NOTED	
PROJECT NO: 25-0717-1		SHEET 15 OF 17	



75.51'

65.65'

21.10'

18.50'

J

G

C

B

L

D

E

A

H

K

F

I

ISOLATOR ROW PLUS  
(SEE DETAIL)

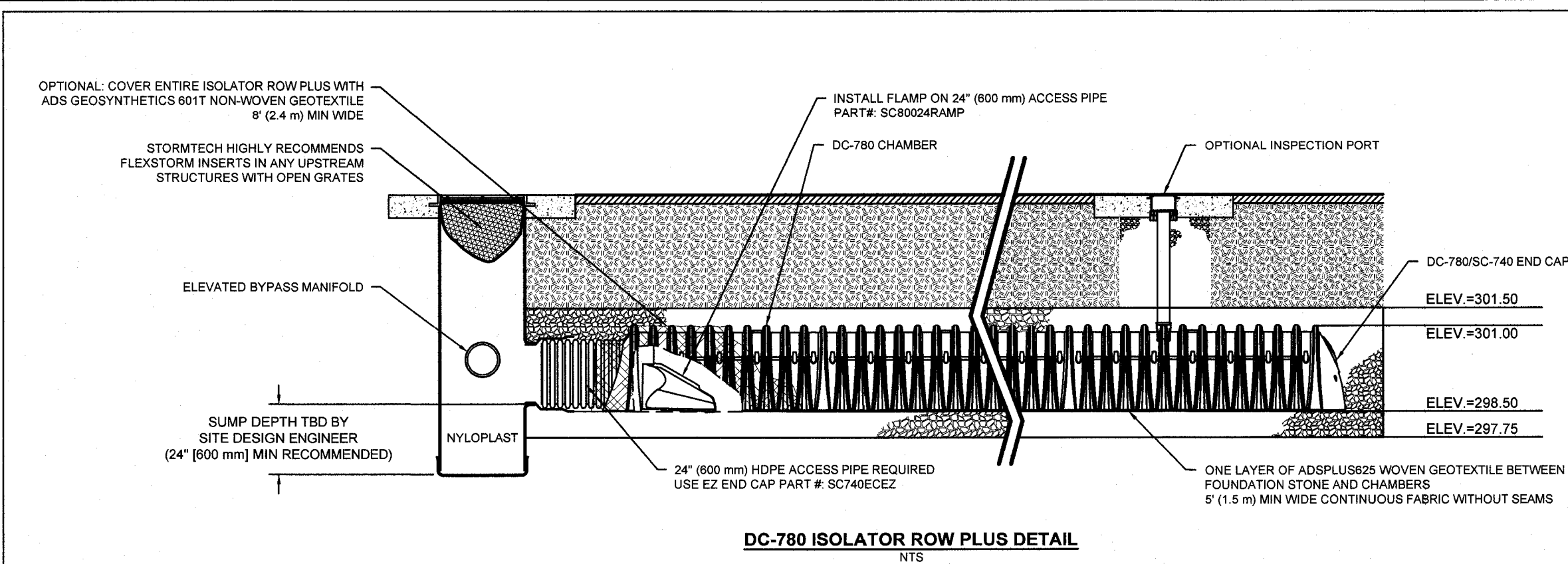
PLACE MINIMUM 12.50' OF ADSPLUS625 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

THERMOPLASTIC LINER (SEE TECH NOTE #6.50 PROVIDED BY OTHERS / DESIGN BY OTHERS)

**NOTES**

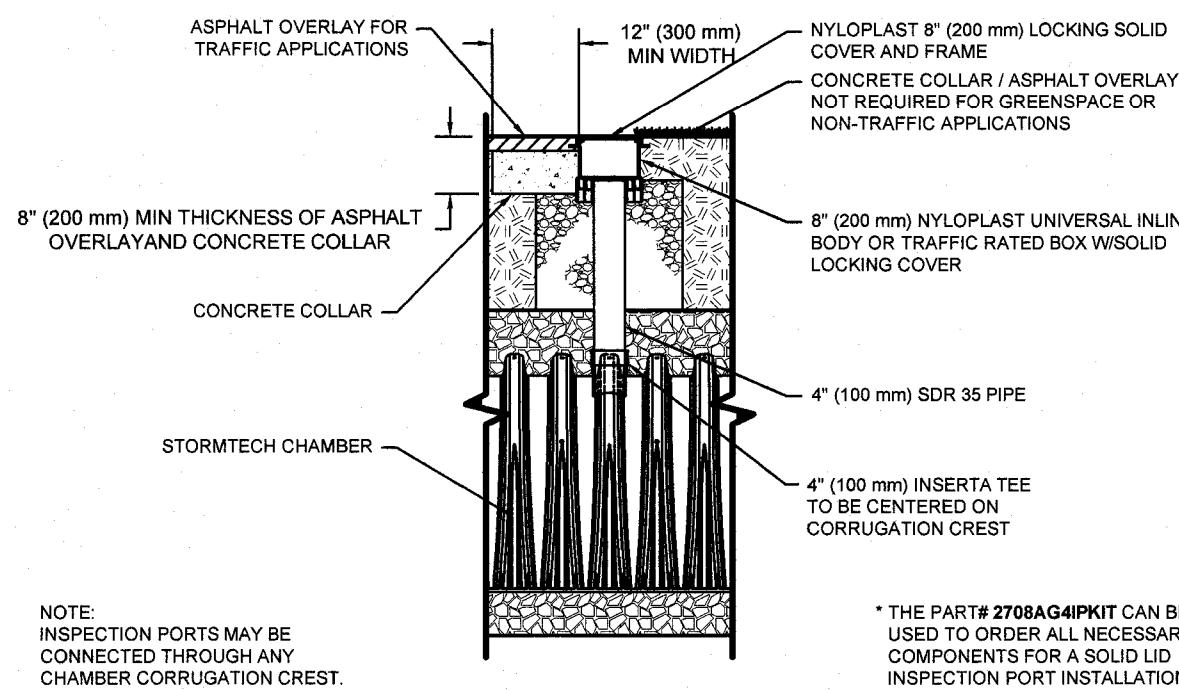
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

<div>TP #1</div> <div>           LOGGED BY GPC            PERC TEST @ 20"            DATE: 10-23-2025            PERC RATE: 4 MIN./INCH            IMPERVIOUS LAYER: NONE            WATER ENCOUNTERED: NONE         </div>	<div>TP #2</div> <div>           LOGGED BY GPC            PERC TEST @ 20"            DATE: 10-23-2025            PERC RATE: 4 MIN./INCH            IMPERVIOUS LAYER: NONE            WATER ENCOUNTERED: NONE         </div>
0"	0"
24"	16"
32"	28"
48"	42"
E.S.H.W.T.	E.S.H.W.T.
60" BOTTOM OF HOLE	60" BOTTOM OF HOLE



### DC-780 ISOLATOR ROW PLUS DETAIL

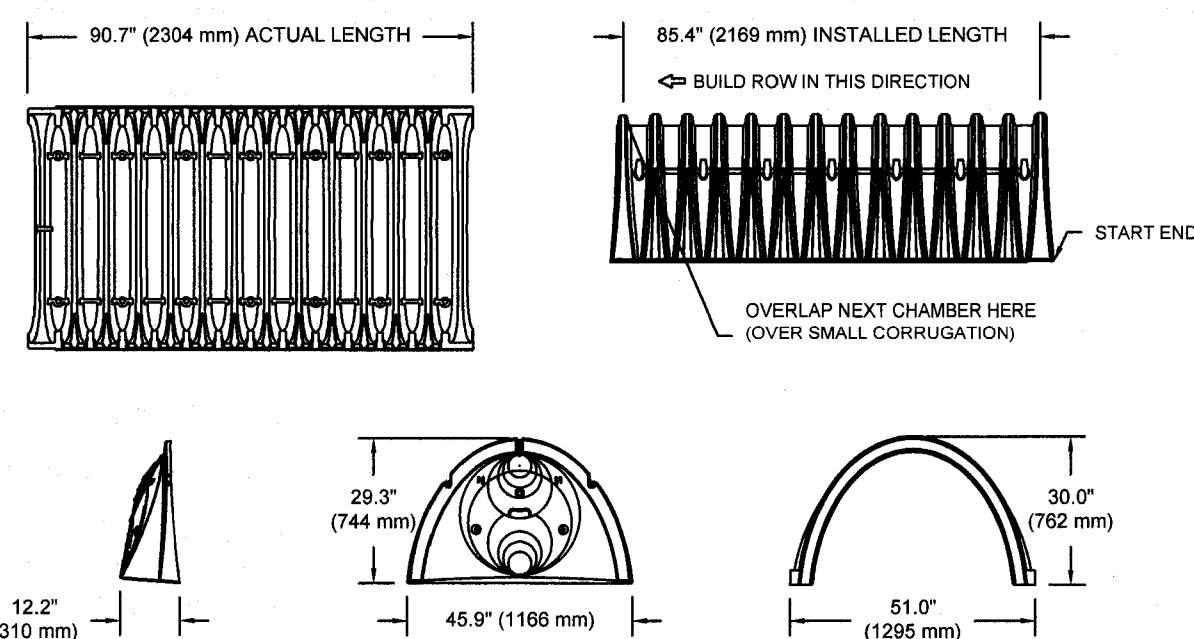
3	DC-780 ISOLATOR ROW PLUS DETAIL
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**4" (100 mm) PVC INSPECTION PORT DETAIL**  
**(SC SERIES CHAMBER)**

4	4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)
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**DC-780 TECHNICAL SPECIFICATION**  
NTS



SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4
CHAMBER STORAGE	46.2 CUBIC FEET
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET
WEIGHT	75.0 lbs.

SIZE (W X H X INSTALLED LENGTH)	45.9" X 29.3" X 9.6"
END CAP STORAGE	2.8 CUBIC FEET
MINIMUM INSTALLED STORAGE**	14.4 CUBIC FEET
WEIGHT	11.7 lbs.

**\*\*ASSUMES 6" (152 mm) STONE ABOVE, 9" (229 mm) BELOW END CAPS, 6" (152 mm) BETWEEN ROWS, 12" (305 mm) BEYOND END CAPS**

<b>PART #</b>	<b>STUB</b>	<b>B</b>	<b>C</b>
SC740EP060TPC	6" (150 mm)	18.5" (470 mm)	—
SC740EP068BPC	—	—	0.5" (13 mm)
SC740EP068TPC	8" (200 mm)	16.5" (419 mm)	—
SC740EP068BPC	—	—	0.6" (15 mm)
SC740EP101TPC	10" (250 mm)	14.5" (368 mm)	0.7" (18 mm)
SC740EP108BPC	—	—	—
SC740EP121TPC	12" (300 mm)	12.5" (318 mm)	—
SC740EP126BPC	—	—	1.2" (30 mm)
SC740EP151TPC	15" (375 mm)	9.0" (229 mm)	—
SC740EP158BPC	—	—	1.3" (33 mm)
SC740EP181TPC	18" (450 mm)	5.0" (127 mm)	—
SC740EP188BPC	—	—	1.6" (41 mm)
SC240CEZ2	24" (600 mm)	—	0.1" (3 mm)

\* FOR THE SC740ECEZ THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL; PRE-CORED END CAPS END WITH "PC"

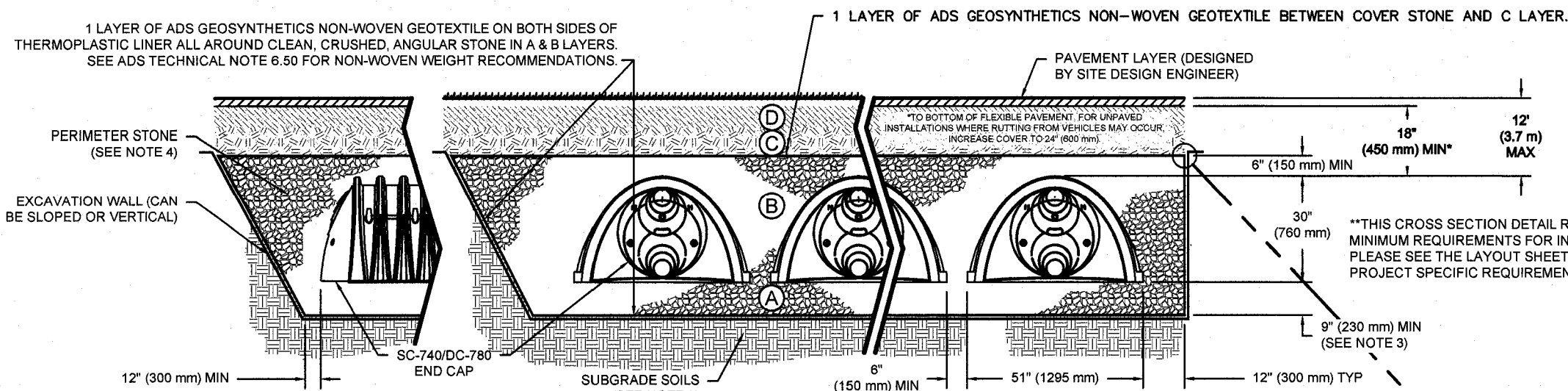
## DC-780 TECHNICAL SPECIFICATION

**ACCEPTABLE FILL MATERIALS: STORMTECH DC-780 CHAMBER SYSTEMS**

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	<b>FINAL FILL:</b> FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
	<b>INITIAL FILL:</b> FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <3% FINES OR PROCESSED AGGREGATE  MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN lieu OF THIS LAYER.	AASHTO M141 <sup>1</sup> A-1, A-2, A-3, A-3  OR  AASHTO M31 <sup>3</sup>  3, 357, 4, 497, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (5,443 kg). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	<b>EMBEDMENT STONE:</b> FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE <sup>3</sup>	AASHTO M31 <sup>3</sup>  3, 357, 4, 497, 5, 56, 57	NO COMPACTION REQUIRED.
A	<b>FOUNDATION STONE:</b> FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE <sup>3</sup>	AASHTO M31 <sup>3</sup>  3, 357, 4, 497, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>3,3</sup>

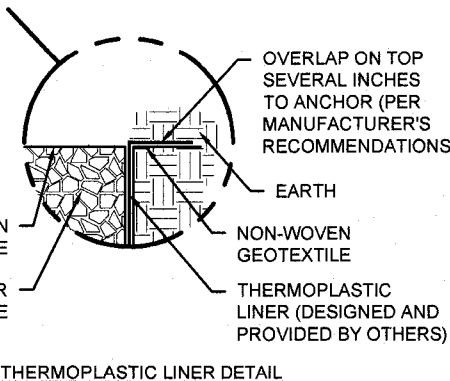
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".

2. STORMTIECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 1" (25 mm) (MAX) LIFTS USING TWO FULL COVERSAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY ROLLING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTIECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOLLS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



**NOTES:**

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. D-70 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
- TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STUCKING LUGS.
  - TO ENSURE A SUFFICIENT JOINT HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
  - TO MAINTAIN THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT<sup>2</sup>/IN. THE ASD IS DEFINED IN SECTION 6.2.8 OF ASTM F2418 AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



### DC-780 CROSS SECTION DETAIL

CONSTRUCTION DETAILS  
**ERICKSON FOUNDATION SOLUTIONS**

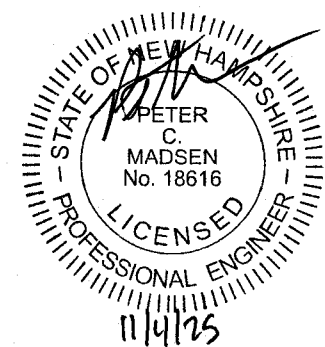
MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER OF LOT 49/APPLICANT:**  
CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

**OWNER LOT 50:**  
18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

**KNA** KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
DATE: OCTOBER 27, 2025		SCALE: AS NOTED	
PROJECT NO: 25-0717-1		SHEET 16 OF 17	



TURF ESTABLISHMENT SCHEDULE

PURPOSE:

TO ESTABLISH AND MAINTAIN PERMANENT AND TEMPORARY TURF AREAS, RESTORE GROWTH TO EXISTING TURF AREAS DISTURBED DURING CONSTRUCTION AND CONTROL SOIL EROSION.

PREPARATION AND EXECUTION:

1. RAKE THE SUBGRADE OF ALL AREAS TO BE LOAMED AND SEEDED TO REMOVE RUBBISH, STICKS, ROOTS AND STONES LARGER THAN 1 INCH.
2. PLACE LOAM OVER AREAS TO BE SEEDED AND SPREAD.
3. FINE GRADE SURFACE AND SUPPLEMENT WITH SUITABLE LOAM WHERE NEEDED TO CREATE A UNIFORM SURFACE ACCORDING TO THE FINISH GRADES INDICATED; TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED. NO LOAM SHALL BE SPREAD IF THE SUBGRADE IS EXCESSIVELY WET OR FROZEN.
4. APPLY LINE EVENLY OVER LOAM SURFACE AND THOROUGHLY INCORPORATE LINE INTO THE LOAM BY HEAVY RAKING TO AT LEAST ONE-HALF THE DEPTH OF THE LOAM.
5. APPLY NO PHOSPHATE, SLOW RELEASE FERTILIZER AND MIX WITH THE UPPER 2 INCHES OF LOAM.
6. DETERMINE APPROPRIATE MIXTURE FOR AREA TO BE SEEDED BASED ON EXAMINATION OF PROJECT PLANS. UNIFORMLY SPREAD THE SEED BY BROADCASTING OR HYDROSEEDING. IF BROADCASTING, LIGHTLY RAKE INTO THE PREPARED SURFACE AND ROLL. IF, HYDROSEEDING, USE 4 TIMES THE RECOMMENDED RATE OF INOCULANT. AFTER SEED IS SPREAD, WATER THOROUGHLY WITH A FINE SPRAY.
7. SEEDING FOR PERMANENT COVER SHALL OCCUR BETWEEN SEPTEMBER 15 AND OCTOBER 15 AND BETWEEN APRIL 15 AND JUNE 15. SEEDING SHALL NOT BE DONE DURING WINDY WEATHER, WHEN THE GROUND IS FROZEN OR EXCESSIVELY WET OR OTHERWISE UNTILABLE.
8. WITHIN 24 HOURS AFTER SEEDING OPERATION, UNIFORMLY MULCH THE AREA WITH STRAW. ANCHOR MULCH ON ALL SLOPES EXCEEDING 3 : 1 USING MULCH NETTING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER.
9. PROTECT AND PREVENT AGAINST WASHOUTS, ANY WASHOUTS WHICH OCCUR SHALL BE PROMPTLY REGRADED AND RESEEDED.
10. WHEN IT IS IMPRACTICAL TO ESTABLISH PERMANENT GROWTH ON DISTURBED EARTH BY OCTOBER 15, A TEMPORARY SEED MIXTURE SHALL BE USED. WHEN TEMPORARY SEEDING CANNOT ESTABLISH VISIBLE GROWTH, THE DISTURBED AREA SHALL BE COVERED WITH SIX INCHES OF MULCH FOR THE WINTER.

MAINTENANCE:

ALL SEEDED AREAS SHALL BE KEPT WATERED AND IN GOOD CONDITION. RESEED AS NECESSARY TO ESTABLISH HEALTHY UNIFORM GROWTH OVER THE ENTIRE SEEDED AREA. MAINTAIN SEEDED AREAS IN AN APPROVED CONDITION UNTIL FINAL ACCEPTANCE. MAINTENANCE SHALL INCLUDE REPAIRS FOR DAMAGE CAUSED BY EROSION.

APPLICATION RATES:

1. LOAM SHALL BE APPLIED AT A MINIMUM COMPACTED THICKNESS OF 4 INCHES.
2. LINE SHALL BE APPLIED AT A RATE OF 75 TO 100 POUNDS PER 1,000 S.F.
3. FERTILIZER SHALL BE APPLIED AT A RATE OF 30 POUNDS PER 1,000 S.F. IT IS RECOMMENDED THAT THE SOIL BE TESTED PRIOR TO APPLYING ANY FERTILIZERS TO DETERMINE WHAT LEVELS AND RATES ARE NECESSARY.
4. SEED MIXTURE FOR LAWN AREAS SHALL BE APPLIED AT A RATE OF AT LEAST 80 POUNDS PER ACRE OR 2 POUNDS PER 1,000 S.F.
5. TEMPORARY SEED MIXTURE SHALL BE APPLIED AT A RATE OF 2 POUNDS PER 1,000 S.F.
6. SEED MIXTURE FOR SLOPE AREAS SHALL BE APPLIED AT A RATE OF 80 POUNDS PER ACRE OR 2 POUNDS PER 1,000 S.F.
7. SEED MIXTURE FOR STORMWATER MANAGEMENT AREAS SHALL BE APPLIED AT A RATE OF 70 POUNDS PER ACRE OR 1.6 POUNDS PER 1,000 S.F.
8. MULCH SHALL BE APPLIED AT A RATE OF 90 POUNDS PER 1,000 S.F.

MATERIALS:

1. LOAM USED FOR TOPSOIL SHALL BE FRABLE, FERTILE, NATURAL, FREE-DRAINING LOAM, FREE OF ROOTS, GRASS, STICKS, WEEDS, CLAY, SOD LUMPS, DEBRIS AND STONES LARGER THAN 1 INCH IN ANY DIMENSION. SOIL SHALL NOT BE EXCESSIVELY ACID OR ALKALINE AND CONTAIN NO TOXIC MATERIALS.
2. LIME SHALL BE GROUND LIMESTONE CONTAINING NO LESS THAN 95% CALCIUM AND MAGNESIUM CARBONATES.
3. FERTILIZER SHALL BE NO PHOSPHORUS, SLOW RELEASE.
4. SEED MIXTURE FOR LAWN AREAS SHALL BE 99% PURE LIVE SEED AND CONSIST OF THE FOLLOWING:
  - 25% CREEPING RED FESCUE
  - 25% KENTUCKY BLUEGRASS
  - 25% REDTOP
  - 25% MANHATTAN PERENNIAL RYEGRASS
5. TEMPORARY SEEDING MIXTURE SHALL BE AN APPROVED CONSERVATION MIX OR CONSIST OF THE FOLLOWING:
  - 15% BLACKWELL OR SHELTER SWITCHGRASS
  - 30% NIAGRA OR KAW BIG BLUESTEM
  - 30% CAMPER OR BLAZE LITTLESTEM
  - 15% NE-27 OR BLAZE SAND LOVEGRASS
  - 10% SHOWY TICK TREFOILINOCULUM SPECIFIC TO SHOWY TICK TREFOIL MUST BE USED WITH THIS MIXTURE. IF SEEDING BY HAND, A STICKING AGENT SHALL BE USED. IF SEEDING WITH A HYDROSEEDER, USE FOUR TIMES THE RECOMMENDED AMOUNT OF INOCULUM.
6. SEED MIXTURE FOR SLOPE AREAS SHALL BE 99% PURE LIVE SEED AND SHALL CONSIST OF THE FOLLOWING:
  - 30% CREEPING RED FESCUE
  - 40% PERENNIAL RYE GRASS
  - 15% REDTOP
  - 15% SHOWY TICK TREFOILIN ADDITION TO THE MIX SPECIFIED ABOVE, VIRGINIA WILD RYE SHALL BE USED ON ALL SLOPES STEEPER THAN 3 : 1. VIRGINIA WILD RYE SHALL BE APPLIED AT A RATE OF 10 POUNDS PER ACRE AND INOCULUM SPECIFIC TO VIRGINIA WILD RYE MUST BE USED.
7. SEED MIXTURE FOR STORMWATER MANAGEMENT AREAS, INCLUDING DETENTION BASINS AND VEGETATED TREATMENT SWALES SHALL CONSIST OF THE FOLLOWING:
  - 25% CREEPING RED FESCUE
  - 15% SWITCH GRASS
  - 15% FOX SEDGE
  - 15% CREEPING BENTGRASS
  - 10% NEW ENGLAND ASTER
  - 20% WILDOLOWER VARIETY
8. STRAW USED FOR MULCH SHALL CONSIST OF MOWED AND PROPERLY CURED GRASS OR LEGUME MOWINGS, FREE FROM WEEDS, TWIGS, DEBRIS OR OTHER DELETERIOUS MATERIAL AND ROT OR MOLD.
9. NATIVE PLANTINGS SHOULD BE USED FOR ALL NEW GREENSCAPES.
10. ALL WILDFLOWER SEEDING MIXES SHOULD BE FREE OF INVASIVE SPECIES.

CONSTRUCTION SEQUENCE

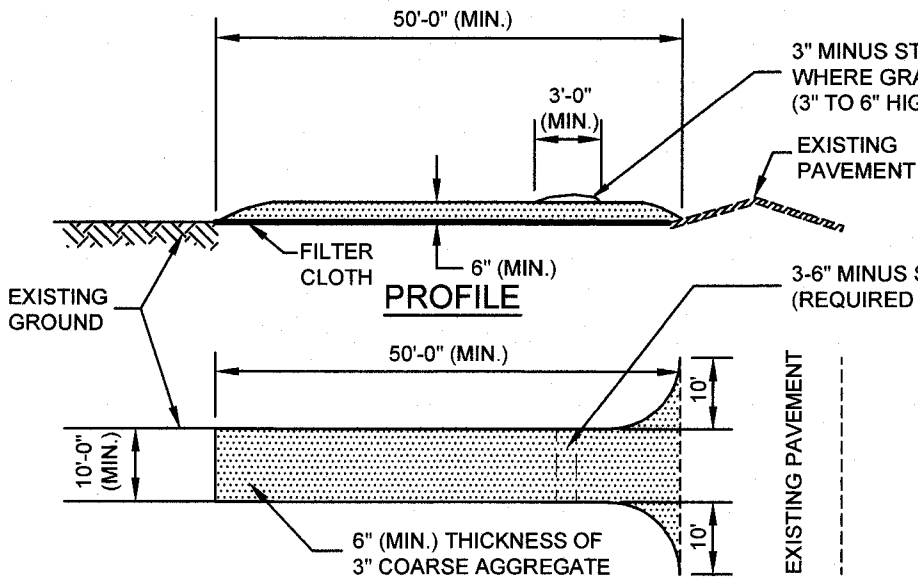
1. THE CONTRACTOR WILL ENSURE THAT NO MORE THAN 5 ACRES IS DISTURBED AT ANY ONE TIME.
2. FIRST CUT AND CLEAR TREES AND BRUSH ONLY WITHIN DESIGNATED LIMITS OF CLEARING AS NECESSARY TO FACILITATE PROPOSED CONSTRUCTION. ALL TREES, BRANCHES AND OTHER VEGETATIVE MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. THIS PROJECT IS MANAGED TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:53 AND AGR 380:1 RELATIVE TO INVASIVE SPECIES.
3. PRIOR TO COMMENCEMENT OF ANY EARTHMOVING OPERATIONS, ALL APPLICABLE TEMPORARY EROSION CONTROL MEASURES, INCLUDING SPECIFIED PERIMETER SILTATION FENCING AND STABILIZED CONSTRUCTION EXIT SHALL BE IN PLACE AS SHOWN ON THE PROJECT PLANS.
4. COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND BENCH DEBRIS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. NATIVE ORGANIC SOIL MATERIALS SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED WITHIN AREAS OUT OF THE WAY OF OTHER CONSTRUCTIONS ACTIVITIES AND DRAINAGE FLOW. STOCKPILES SHALL BE TEMPORARILY SEEDED WITH WINTER RYE AND BE SURROUNDED WITH STRAW BALES AND/OR FABRIC SILTATION FENCE IN ORDER TO PREVENT LOSS DUE TO EROSION.
5. BEGIN EARTHMOVING OPERATIONS, COMMENCING WITH WORK NEEDED TO BALANCE SITE AND FACILITATE BUILDING FOUNDATION AND RETAINING WALL CONSTRUCTION. PERMANENT DOWNSLOPE WORK SHALL BE PROTECTED FROM UPGRADIENT STORMWATER FLOW BY THE CONSTRUCTION OF TEMPORARY EARTHEN DIKES OR EXCAVATED SWALES.
6. ONCE BUILDING FOUNDATION WORK IS UNDERWAY, CONTINUE EARTHMOVING OPERATIONS UNTIL DESIGN SUBGRADE IS ACHIEVED.
7. DETENTION BASINS/SWALES SHALL BE INSTALLED BEFORE ROUGH GRADING THE SITE.
8. DITCHES/SWALES/BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
9. TEMPORARY WATER DIVERSION (SWALES, BASINS, ETC.) MUST BE USED AS NECESSARY UNTIL SOILS ARE STABILIZED.
10. INSTALL DRAINAGE SWALE SYSTEMS AND OTHER UTILITIES WORKING FROM LOW TO HIGH. INCOMPLETE WORK SHALL BE PROTECTED FROM SILTATION BY THE USE OF SILTATION BARRIERS AROUND SWALES UNTIL THE SITE HAS BECOME FULLY STABILIZED.
11. DEEPLY TILL THE BASE OF THE INFILTRATION BASIN TO RESTORE INFILTRATION RATES FOLLOWED BY A PASS WITH A LEVELING DRAG. STORMWATER FLOWS ARE NOT TO BE DIRECTED TO THE INFILTRATION AREA UNTIL CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
12. PLACE GRAVEL AND CRUSHED GRAVEL OVER PROPOSED DRIVEWAY, WALKS AND PARKING AREAS AND COMPACT IN SPECIFIED LIFT THICKNESS.
13. COMPLETE EXCAVATION/STABILIZATION GRADING ACTIVITIES. WHEN COMPLETE, IMMEDIATELY BEGIN TOPSOILING PROPOSED TURF AREAS USING STOCKPILED LOAM SUPPLEMENTED WITH BORROW LOAM, IF NECESSARY, TO LEAVE A THICKNESS OF 4 INCHES OF FRABLE LOAM.
14. FINE GRADE ALL FUTURE TURF AREAS AND HYDROSEED WITH THE SPECIFIED SEED MIXTURE IMMEDIATELY AFTER FINE GRADING IS COMPLETED. ALL AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
15. INSTALL THE BINDER COURSE OF PAVEMENT OVER ALL DESIGNATED AREAS.
16. CONTINUE TO MONITOR AND RECTIFY MINOR SITE AND SLOPE EROSION UNTIL ENTIRE SITE APPEARS TO BE COMPLETELY STABILIZED AND VEGETATED WITH A HEALTHY STAND OF TURF OR GROUND COVER. MAINTAIN SPECIFIED SILTATION CONTROL MEASURES THROUGH ONE WINTER.
17. INSTALL THE SPECIFIED WEARING COURSE OF PAVEMENT OVER THE BINDER COURSE.
18. COMPLETE INSTALLATION OF LANDSCAPING, SIGNAGE AND OTHER SITE AMENITIES.

CERTIFICATE OF OCCUPANCY PHASING PLAN AGREEMENT:

1. THE FOLLOWING SITE IMPROVEMENTS ARE REQUIRED FOR INDIVIDUAL CERTIFICATES OF OCCUPANCY AS CONSTRUCTION PROGRESSES:
  - A. ROAD BASE COAT;
  - B. STOP SIGNS AND TEMPORARY STRIPING OF STOP BARS;
  - C. GRADING AND DRAINAGE;
  - D. LOAM AND SEED THAT SUPPORTS THE SUBJECT UNIT OF THE CERTIFICATE OF OCCUPANCY;
  - E. TEMPORARY STRIPING OF VISITOR PARKING; AND
  - F. UTILITIES.

EROSION CONTROL NOTES

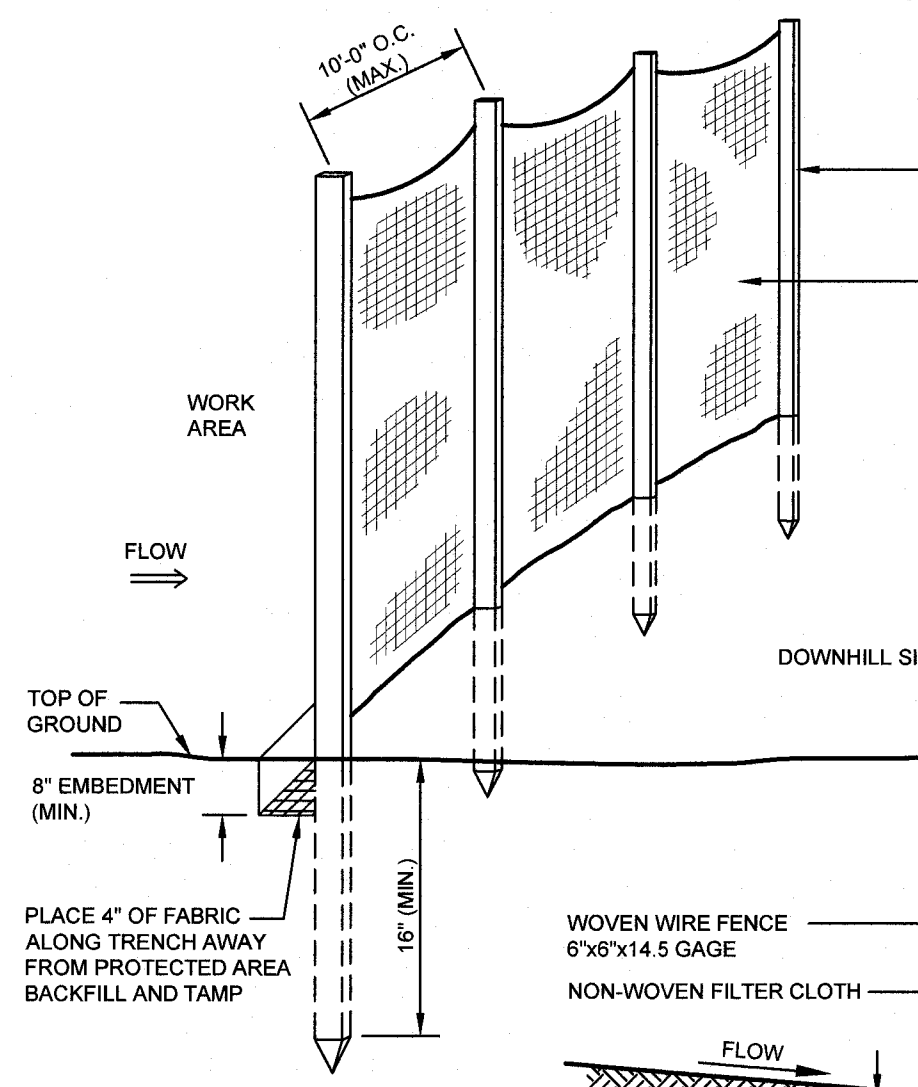
1. EXPOSED EARTHWORK SHALL BE CONFINED TO AS LIMITED AN AREA AS IS PRACTICAL AT ANY GIVEN TIME THROUGHOUT THE CONSTRUCTION SEQUENCE. AT NO TIME SHALL MORE THAN FIVE (5) ACRES OF SITE AREA BE IN AN UNSTABLE CONDITION UNLESS AN ENVIRONMENTAL MONITOR IS EMPLOYED THROUGH THE DURATION OF CONSTRUCTION. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN UNSTABILIZED CONDITION FOR A PERIOD OF TIME EXCEEDING FORTY-FIVE (45) CALENDAR DAYS.
2. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN THE FIELD CONDITION, OR FIELD OPERATION OF THE INDIVIDUAL SITE CONTRACTOR, MAY WARRANT. ALL TEMPORARY EROSION CONTROL MEASURES USED SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.25" OF RAINFALL OR MORE. THEY SHALL BE CLEANED AND MAINTAINED AND OTHERWISE KEPT IN AN EFFECTIVE OPERATING MANNER THROUGHOUT THE CONSTRUCTION PERIOD.
3. ALL DISTURBED AREAS DESIGNATED TO BE TURF, SHALL RECEIVE A MINIMUM APPLICATION OF 4 INCHES OF LOAM (COMPACTED THICKNESS), PRIOR TO FINAL SEEDING AND MULCHING.
4. EROSION CONTROL AND STABILIZATION SHALL BE IN ACCORDANCE WITH HILLSBOROUGH COUNTY CONSERVATION DISTRICT-VEGETATIVE STANDARD AND SPECIFICATIONS FOR SEEDING GRASSES AND LEGUMES FOR LONG-TERM COVER ON EXCAVATED AREAS.
5. ALL SWALES AND DITCHES SHALL BE PERIODICALLY CLEANED OF DEPOSITED SEDIMENT SO AS TO MAINTAIN AN EFFECTIVE GRADE AND CROSS SECTION. ALL SWALES AND DITCHLINES SHALL BE FULLY STABILIZED PRIOR TO HAVING STORMWATER DIRECTED TOWARDS THEM.
6. IN THE EVENT THAT, DURING CONSTRUCTION OF ANY PORTION OF THIS PROJECT, A WINTER SHUTDOWN IS NECESSARY, THE CONTRACTOR SHALL STABILIZE ALL INCOMPLETE WORK AND PROVIDE FOR SUITABLE METHODS OF DIVERTING RUNOFF IN ORDER TO ELIMINATE SHEET FLOW ACROSS FROZEN SURFACES.
7. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
  - A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED;
  - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
  - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR
  - D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
8. DUST SHALL BE CONTROLLED BY THE USE OF WATER AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD, IN ACCORDANCE WITH ENV-A 1000.
9. IN NO WAY ARE THESE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE ANY AND ALL NECESSARY SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION METHODOLOGIES MAY WARRANT.
10. THE TOWN RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES DURING CONSTRUCTION.
11. AREAS HAVING FINISH GRADE SLOPES OF 3 : 1 OR STEEPER, SHALL BE STABILIZED WITH JUTE MATTING WHEN AND IF FIELD CONDITIONS WARRANT, OR IF SO ORDERED. JUTE MATTING INSTALLED TO CONFORM WITH THE RECOMMENDED BEST MANAGEMENT PRACTICE OUTLINED IN VOLUME 3 OF THE NEW HAMPSHIRE STORMWATER MANUAL. EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION.
12. DETENTION BASINS/SWALES SHALL BE INSTALLED BEFORE ROUGH GRADING THE SITE.
13. DITCHES/SWALES/BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
14. TEMPORARY WATER DIVERSION (SWALES, BASINS, ETC.) MUST BE USED AS NECESSARY UNTIL SOILS ARE STABILIZED.
15. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
16. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.



PLAN VIEW

STABILIZED CONSTRUCTION EXIT DETAIL

NOT TO SCALE



PERSPECTIVE VIEW

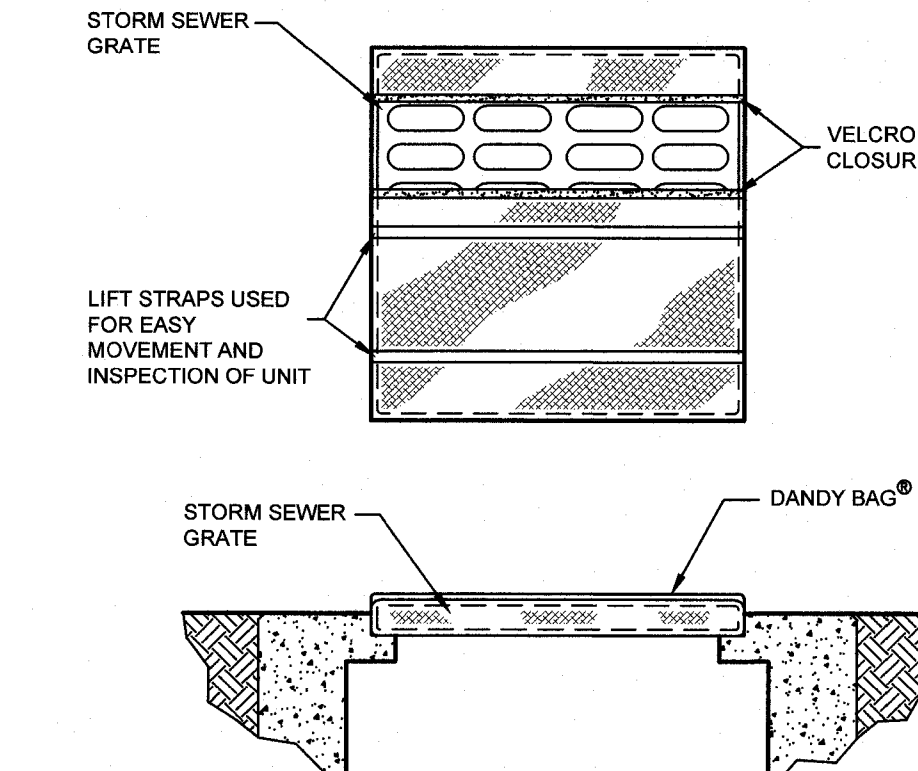
SECTION

CONSTRUCTION SPECIFICATIONS:

1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
3. WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIE OR STAPLES WHERE NOTED OR AS DIRECTED BY DESIGN ENGINEER.
4. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MIDSECTION AND BOTTOM.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
6. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
7. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL

NOT TO SCALE



HI-FLOW DANDY BAG® (SAFETY ORANGE)

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	kN (lbs)	1.62 (365) x 0.89 (200)
GRAB TENSILE ELONGATION	ASTM D 4632	%	24 x 10
PUNCTURE STRENGTH	ASTM D 4833	kN (lbs)	0.40 (90)
MULLEN BURST STRENGTH	ASTM D 3786	kPa (psi)	3097 (450)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	kN (lbs)	0.51 (115) x 0.33 (75)
UV RESISTANCE	ASTM D 4355	%	90
APPARENT OPENING SIZE	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
FLOW RATE	ASTM D 4491	l/min/m² (gal/min/ft²)	5907 (145)
PERMITTIVITY	ASTM D 4491	Sec⁻¹	2.1

DANDY BAG®

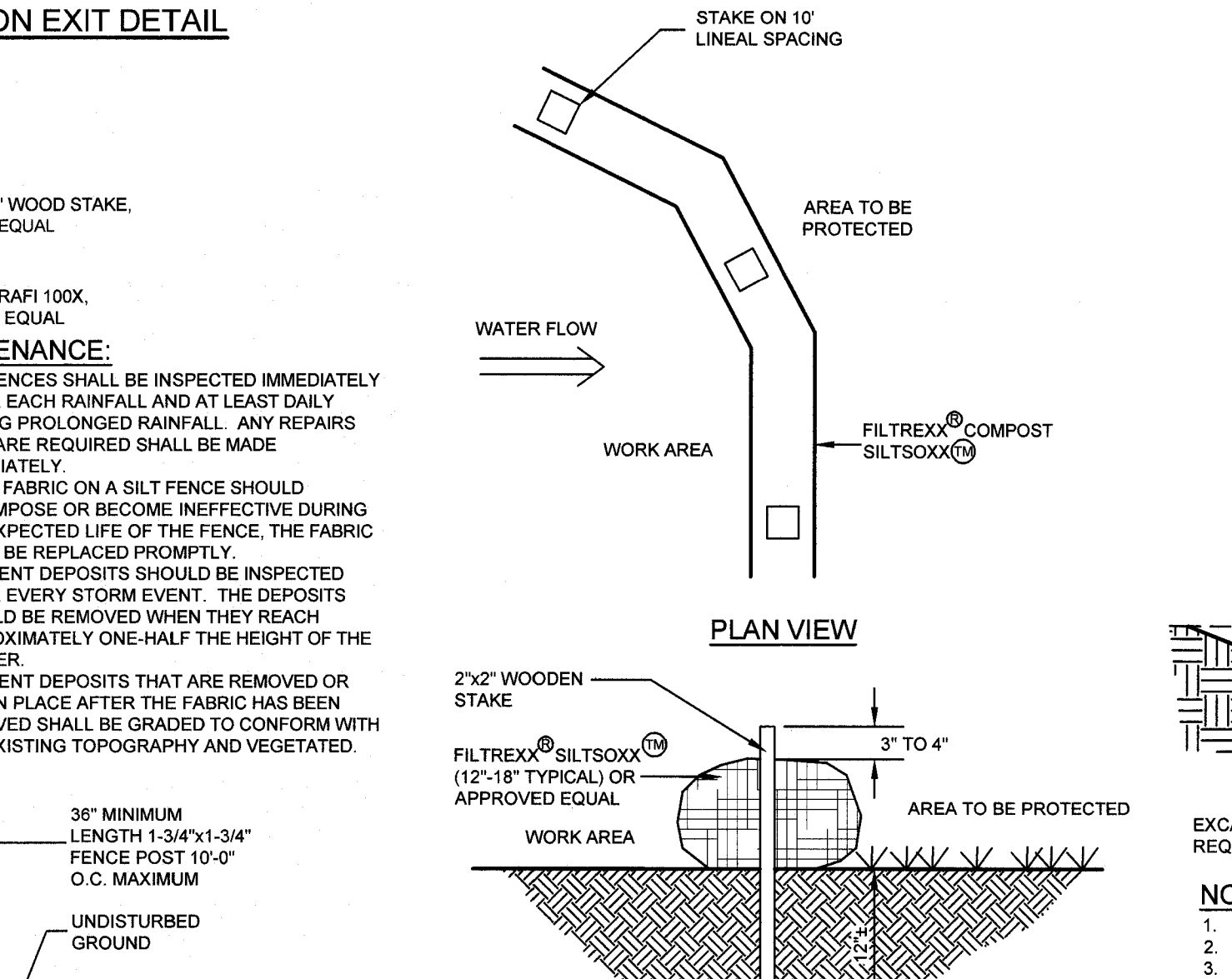
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MAINTENANCE:

1. MUD AND SOIL PARTICLES WILL EVENTUALLY CLOG THE VOIDS IN THE CRUSHED STONE AND THE EFFECTIVENESS OF THE CRUSHED STONE PAD WILL NOT BE SATISFACTORY. WHEN THIS OCCURS, THE PAD SHOULD BE TOPDRESSED WITH NEW CRUSHED STONE OR COMPLETE REPLACEMENT OF THE PAD MAY BE NECESSARY WHEN THE PAD BECOMES COMPLETELY CLOGGED.
2. IF WASHING FACILITIES ARE USED, THE SEDIMENT TRAPS SHOULD BE CLEANED OUT AS OFTEN AS NECESSARY TO ASSURE THAT ADEQUATE TRAPPING EFFICIENCY AND STORAGE VOLUME IS AVAILABLE. VEGETATIVE FILTER STRIPS SHOULD BE MAINTAINED TO INSURE A VIGOROUS STAND OF VEGETATION AT ALL TIMES.

CONSTRUCTION SPECIFICATIONS:

1. STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 3 INCH MINIMUM STONE, RECLAIMED STONE OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED EXIT SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED EXIT SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE EXIT SHALL NOT BE LESS THAN THE FULL WIDTH OF THE AREA WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICHEVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION EXIT SHALL BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. THE MOUNTABLE BERM IS REQUIRED FOR 50' LONG EXITS.



SECTION VIEW

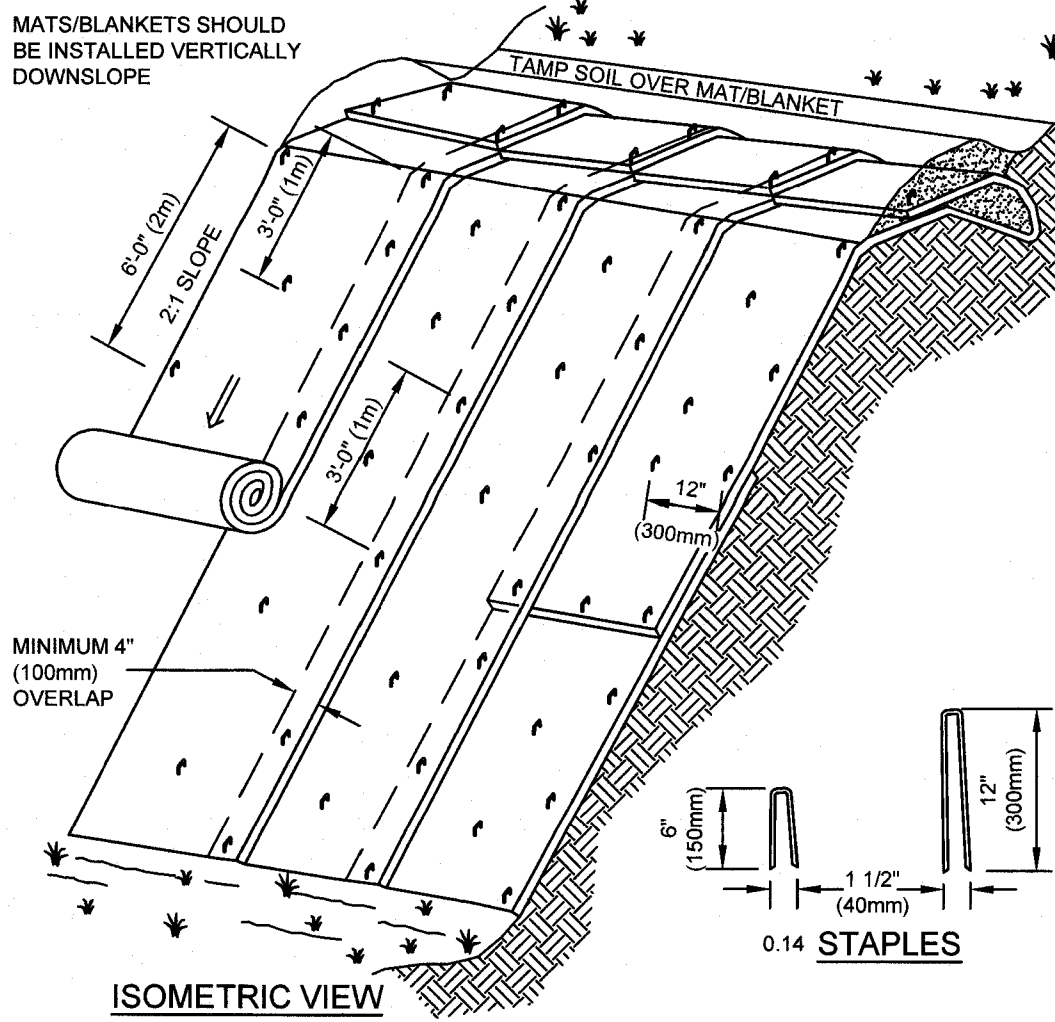
NOTES:

1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. SILT/STOX® COMPOST/SILT/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
3. SILT/STOX® DEPICTED IS FOR MINIMUM SLOPES. GREAT SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.
4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FILTREXX® SILT/STOX® DETAIL

NOT TO SCALE

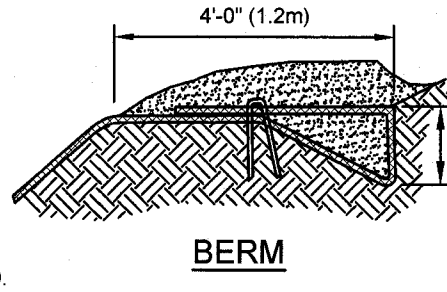
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ISOMETRIC VIEW

NOTES:

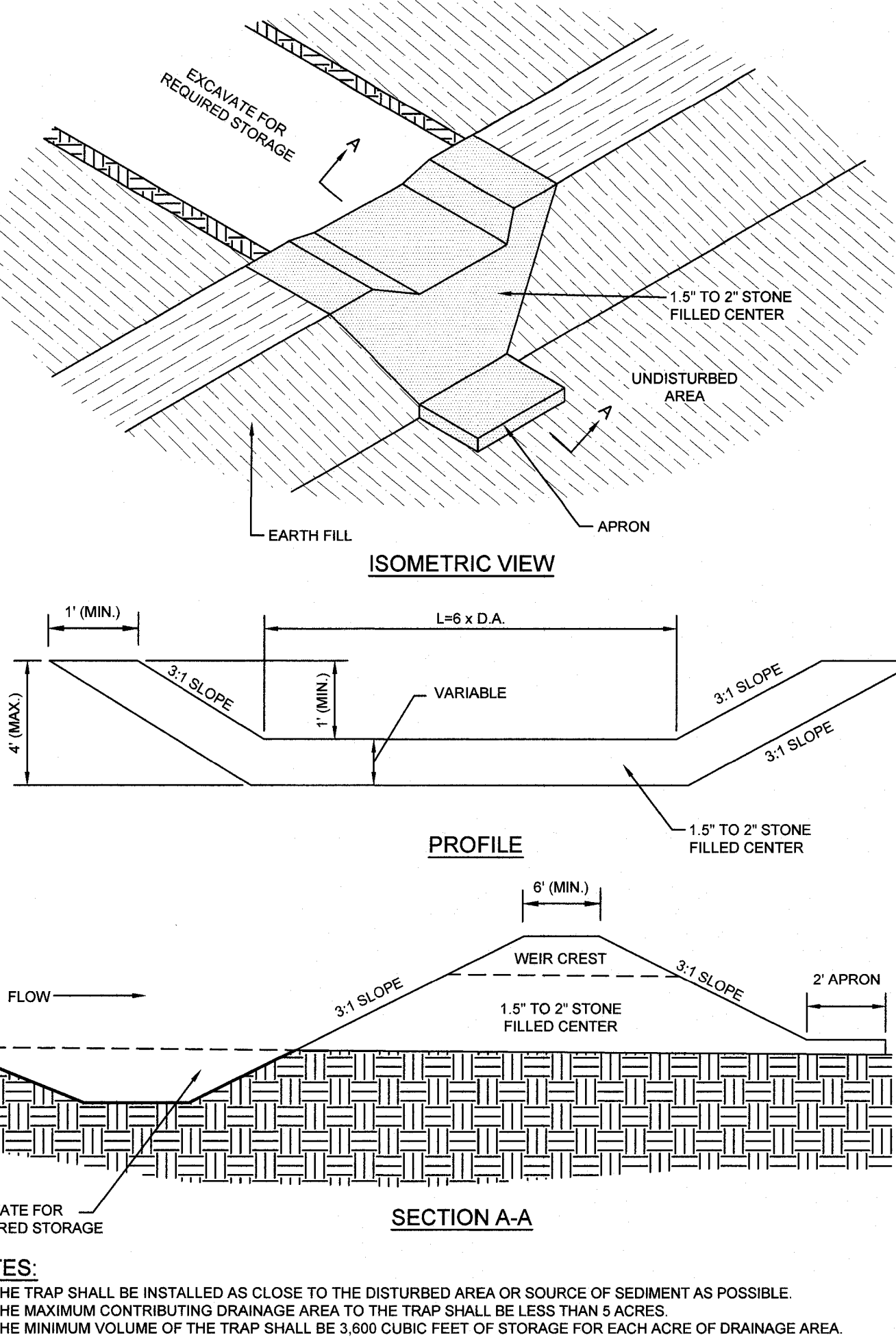
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. EROSION BLANKETS TO BE A BCN150 OR AN APPROVED ALTERNATIVE WHICH MUST CONSIST OF ALL NATURAL FIBERS.
5. THERE SHALL BE NO PLASTIC, OR MULTIFILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8 INCHES MATERIAL UTILIZED.



BERM

EROSION CONTROL BLANKETS - SLOPE INSTALLATION

NOT TO SCALE



SECTION A-A

NOTES:

1. THE TRAP SHALL BE INSTALLED AS CLOSE TO THE DISTURBED AREA OR SOURCE OF SEDIMENT AS POSSIBLE.
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE TRAP SHALL BE LESS THAN 5 ACRES.
3. THE MINIMUM VOLUME OF THE TRAP SHALL BE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
4. THE SIDE SLOPES OF THE TRAP SHALL BE 3:1 OR FLATTER, AND SHALL BE STABILIZED IMMEDIATELY AFTER THEIR CONSTRUCTION.
5. THE OUTLET OF THE TRAP SHALL BE A MINIMUM OF ONE FOOT BELOW THE CREST OF THE TRAP AND SHALL DISCHARGE TO A STABILIZED AREA.
6. THE TRAP SHALL BE CLEANED WHEN 50 PERCENT OF THE ORIGINAL VOLUME IS FILLED.
7. THE MATERIALS REMOVED FROM THE TRAP SHALL BE PROPERLY DISPOSED OF AND STABILIZED.
8. SEDIMENT TRAPS AND/OR BASINS SHOULD BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL BASINS/PONDS ARE STABILIZED.

TEMPORARY SEDIMENT TRAP DETAIL

NOT TO SCALE

WINTER CONSTRUCTION NOTES:

1. ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 4:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING ELSEWHERE. THE PLACEMENT OF EROSION CONTROL, BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3 OR, IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON, BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.
4. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
  - A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED;
  - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
  - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR
  - D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

CONSTRUCTION DETAILS  
ERICKSON FOUNDATION SOLUTIONS  
MAP 161 LOTS 49 & 50  
14 & 18 CLEMENT ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

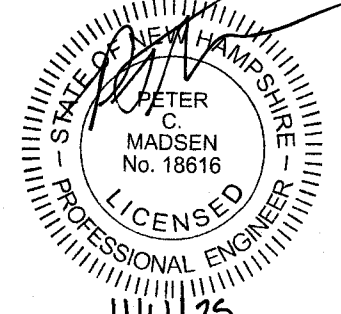
OWNER OF LOT 49/APPLICANT:

CLEMENT WAREHOUSE LLC  
14 CLEMENT ROAD  
HUDSON, N.H. 03051  
BK. 9014 PG. 1118

OWNER LOT 50:

18 CLEMENT ROAD, LLC  
29 BOYD ROAD  
HUDSON, N.H. 03051  
BK. 9792 PG. 977

KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
DATE: OCTOBER 27, 2025		SCALE: AS NOTED	
PROJECT NO: 25-0717-1		SHEET 17 OF 17	