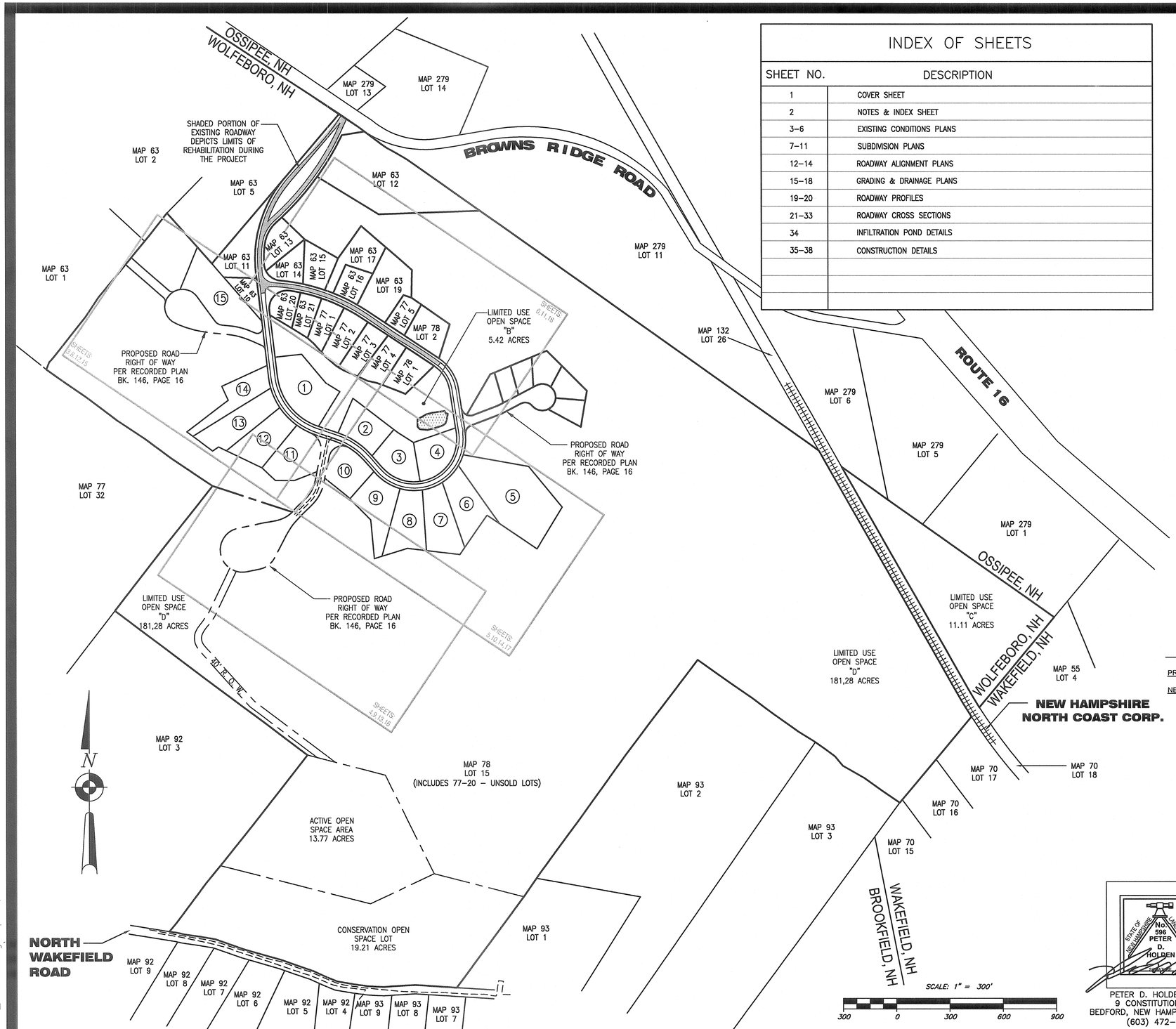

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RONALD & MYLA FANJOY
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CLINTON, MA 01510

DENSITY CALCULATIONS

PROPOSED DENSITY:

NET DEVELOPMENT DENSITY:

- ORIGINAL TRACT SIZE:	315 ACRES
- LESS VERY POORLY DRAINED SOILS:	- 7.665 ACRES
- LESS 15% GREATER SLOPES:	- 54.826 ACRES
- DEVELOPABLE LAND:	252.5 ACRES
- 20% FOR ROADS: 20% X 252.5 ACRES =	- 50.5 ACRES
- USABLE LAND FOR DENSITY CALCS:	202.00 ACRES

- 5 ACRE MINIMUM LOT SIZE AT THE TIME OF ORIGINAL DEVELOPMENT.
18 LOTS WERE CONSTRUCTED 18X 5 ACRES = 90 ACRES

NET DEVELOPMENT DENSITY: BASED ON ARTICLES 175-146
COTTON MOUNTAIN HISTORIC - AGRICULTURAL DISTRICT OVER LAY
10 ACRE MIN LOT SIZE:

ALLOCATION DELTA FACTOR: 42 ÷ 60 = 0.70 (70%)

- ORIGINAL TRACT SIZE:	315 ACRES
- LESS (18 LOTS x 5 ACRES)	-90 ACRES
- LESS VERY POORLY DRAINED SOILS: 70% x 7.665 ACRES	- 5 ACRES
- LESS 15% GREATER SLOPES: 70% x 54.826 ACRES	- 38 ACRES
- LESS ACRES SET ASIDE FOR ROADWAYS: 70% x 50.5 ACRES	- 35 ACRES
- USABLE LAND FOR DENSITY CALCS:	147 ACRES

147 ACRES ÷ 10 ACRES/LOT = 14.7 LOTS

TOTAL LOTS REQUESTED 15 LOTS

THE PERSONS LISTED BELOW, PROFESSIONALS LICENSED BY THE STATE OF NEW HAMPSHIRE, ARE RESPONSIBLE FOR THE CONTENT OF THESE PLANS IN THE AREAS OF LICENSURE NOTED:

STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR No. 596 PETER D. HOLDEN

PETER D. HOLDEN, L.L.S.
9 CONSTITUTION DRIVE
BEDFORD, NEW HAMPSHIRE, 03110
(603) 472-2078

STATE OF NEW HAMPSHIRE LEE H. EDDINS No. 5310 LICENSED PROFESSIONAL ENGINEER
9-3-2015

LEE H. EDDINS, P.E.
9 CONSTITUTION DRIVE
BEDFORD, NEW HAMPSHIRE, 03110
(603) 472-2078

STATE OF NEW HAMPSHIRE PETER S. SCHAUER 9/3/15 No. 048 CERTIFIED WETLAND SCIENTIST

PETER S. SCHAUER,
CERTIFIED WETLAND SCIENTIST
138 CROSS BROOK ROAD
LOUDON, NEW HAMPSHIRE

STATE OF NEW HAMPSHIRE PETER S. SCHAUER No. 039 9/3/15 CERTIFIED SOIL SCIENTIST

PETER S. SCHAUER,
CERTIFIED SOILS SCIENTIST
138 CROSS BROOK ROAD
LOUDON, NEW HAMPSHIRE

HOLDEN ENGINEERING & SURVEYING, inc.

☐ 56 Old Suncook Road – Unit #4
PO Box 480 Concord, N.H. 03302
(603) 225-6449

☒ 9 Constitution Drive
Bedford, N.H. 03110
(603) 472-2078

COVER SHEET
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DATE:	DR. BY	CHK. BY
08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	

BOOK | PAGE

Date: 01-14-2015
Scale: 1" = 300'
Dr. By: RL Ck. By: DJ
Job No. 1020162
Sheet No. 1 of 38

J:\Dwg\CADD\ 1020162_X-BASE.dwg, Sep 04, 2015

LOT	SIZE (SF)	SOILS	SLOPE	HISS – TOWN OF WOLFEBORO			HISS – NHDES		
				REQUIRED LOT SIZE (SF)	SOIL AREA (SF)	Number Of Lots Per SoilType	REQUIRED LOT SIZE (SF)	SOIL AREA (SF)	Number Of Lots Per SoilType
1	85,524	211H	B	35,500	13,278	0.374	39,000	13,278	0.340
		211H	C	42,000	12,668	0.302	43,000	12,668	0.295
		211H	D	51,500	3,533	0.069	46,800	3,533	0.075
		212H	D	51,500	35,389	0.687	46,800	35,389	0.756
		221H	C	56,000	3,881	0.069	43,000	3,881	0.090
		221H	D	68,000	4,233	0.062	46,800	4,233	0.090
		261H	B	44,500	1,147	0.030	39,000	1,318	0.034
		311H	B	44,500	11,395	0.256	48,000	11,395	0.237
TOTAL					85,524	1.845			1.914
2	49,531	221H	B	44,500	47,448	1.066	39,000	47,448	1.217
		221H	C	56,000	1,223	0.022	43,000	1,223	0.028
		221H	D	68,000	92	0.001	46,800	92	0.002
		261H	B	44,500	768	0.017	39,000	768	0.020
TOTAL					49,531	1.107			1.267
3	48,229	221H	B	44,500	40322	0.906	39,000	40,322	1.034
		221H	C	56,000	6939	0.124	43,000	6,939	0.161
		261H	B	44,500	966		39,000	966	0.025
TOTAL					48,227	1.030			1.220
4	47,166	221H	B	44,500	34,593	0.777	39,000	34,593	0.887
		221H	C	56,000	5,075	0.091	43,000	5,075	0.118
		221H	D	68,000	4,545	0.067	46,800	4,545	0.097
		261H	B	44,500	2,953	0.066	39,000	2,953	0.076
TOTAL					47,166	1.001			1.178
5	160,044	211H	B	35,500	83,940	2.365	39,000	83,940	2.152
		211H	C	42,000	38,556	0.918	43,000	38,556	0.897
		221H	D	68,000	16,589	0.244	46,800	16,589	0.354
		211H	E	68,000	20,681	0.304	50,700	20,681	0.408
		261H	B	44,500	278	0.006	39,000	278	0.007
TOTAL					160,044	3.837			3.818
6	60,142	211H	B	35,500	26,929	0.759	39,000	26,929	0.690
		211H	C	42,000	17,804	0.424	43,000	17,804	0.414
		221H	D	68,000	9,514	0.140	46,800	9,514	0.203
		211H	E	68,000	5,529	0.081	50,700	5,529	0.109
		261H	B	44,500	366	0.008	39,000	366	0.009
TOTAL					60,142	1.412			1.426
7	63,750	211H	B	35,500	46,514	1.310	39,000	46,514	1.193
		211H	C	42,000	13,703	0.326	43,000	13,703	0.319
		221H	D	68,000	2,992	0.044	46,800	2,992	0.064
		261H	B	44,500	541	0.012	39,000	540	0.014
TOTAL					63,750	1.693			1.589
8	63,626	211H	B	35,500	36,431	1.026	39,000	36,431	0.934
		211H	C	42,000	24,860	0.592	43,000	24,860	0.578
		221H	D	68,000	2,124	0.031	46,800	2,124	0.045
		261H	B	44,500	211	0.005	39,000	211	0.005
TOTAL					63,626	1.654			1.563

SCS SOIL LEGEND

HISS Symbol	Map Unit	Slope Class	Drainage Class	Hydrolic Soil Group
35B	Champlain Loamy Sand	3–8%	Excessively	A
35E	Champlain Loamy Sand	15–60%	Excessively	A
46B	Henniker fine sandy loam	3–8%	Well	C
214B	Naumburg Loamy Sand	0–8%	Poorly	A/D
220B	Boscawen Gravelly Loamy Sand	3–8%	Excessively	A
220C	Boscawen Gravelly Loamy Sand	8–15%	Excessively	A
220E	Boscawen Gravelly Loamy Sand	15–60%	Excessively	A
226C	Bice Fine Sandy Loam, Very Stony	8–15%	Well	A
226D	Bice Fine Sandy Loam, Very Stony	15–25%	Well	A
245D	Gloucester Fine Sandy loam, Cool, Very Stony	15–25%	Well	B
297A	Salmon Very Fine Sandy Loam, Sandy Substratum	0–3%	Well	B
395A	Chocorua Mucky Peat	0–3%	Poorly	A/D
435A	Raynham Silt Loam, Cool, Sandy Substratum	0–3%	Poorly	B/D
464D	Woodstock–Bice–Rock Outcrop Complex	8–25%	Well/Excessively	A/D
613A	Croghan Loamy Fine Sand	0–3%	Moderately Well	A/D
613B	Croghan Loamy Fine Sand	3–8%	Moderately Well	A/D
646B	Pillsbury Fine Sandy Loam	0–8%	Poorly	D
976B	Acton Fine Sandy Loam, Cool	0–8%	Moderately Well	A
978B	Leicester–Moosilauke Fine Sandy Loams, Cool, Very Stony	3–8%	Poorly	A/D
980C	Henniker–Gloucester Fine Sandy Loams, Cool, Vey Stony	8–15%	Well	C/B

HISS SOIL LEGEND

HISS Symbol	Map Unit	Slope Class	Drainage Class	Hydrolic Soil Group
211BH	Champlain Loamy Sand	0–8%	Somewhat Excessively	A
211CH	Champlain Loamy Sand	8–15%	Somewhat Excessively	A
211DH	Champlain Loamy Sand	15–25%	Somewhat Excessively	A
211EH	Champlain Loamy Sand	25%+	Somewhat Excessively	A
511BH	Naumburg Loamy Sand	0–8%	Poorly	C
221BH	Bice Fine Sand Loam	0–8%	Well	B
221CH	Bice Fine Sand Loam	8–15%	Well	C
221DH	Bice Fine Sand Loam	15–25%	Well	D
261BH	Udorthents, Sandy	0–8%	Moderately Well	B
261EH	Udorthents, Sandy	25%+	Moderately Well	B
761BH	Udorthents, Sandy	0–8%	Undeterminable	N/D**
311BH	Crogham Loamy Sand	0–8%	Moderately Well	B
311CH	Crogham Loamy Sand	8–15%	Moderately Well	B

** Not determined, assumed to be A

LOT	SIZE (SF)	SOILS	SLOPE	HISS – TOWN OF WOLFEBORO			HISS – NHDES		
				REQUIRED LOT SIZE (SF)	SOIL AREA (SF)	Number Of Lots Per SoilType	REQUIRED LOT SIZE (SF)	SOIL AREA (SF)	Number Of Lots Per SoilType
9	63,680	211H	B	35,500	12,223	0.344	39,000	12,223	0.313
		211H	C	42,000	32,701	0.779	43,000	32,701	0.760
		211H	E	68,000	927	0.014	50,700	927	0.018
		311H	B	44,500	14,180	0.319	48,000	14,180	0.295
		311H	C	56,000	2,747	0.049	53,000	2,747	0.052
		261H	B	44,500	702	0.016	39,000	702	0.018
TOTAL					63,480	1.520			1.457
10	49,330	211H	B	35,500	18,670	0.526	39,000	18,670	0.479
		211H	C	42,000	3,358	0.080	43,000	3,358	0.078
		211H	E	68,000	14,199	0.209	50,700	14,199	0.280
		311H	B	44,500	9,361	0.210	48,000	9,361	0.195
		311H	C	56,000	2,338	0.042	53,000	2,338	0.044
		261H	B	44,500	1,404	0.032	39,000	1,404	0.036
TOTAL					49,330	1.098			1.112
11	65,542	211H	B	35,500	46,066	1.298	39,000	46,066	1.181
		211H	C	42,000	5,936	0.141	43,000	5,936	0.138
		211H	D	51,500	4,246	0.082	46,800	4,246	0.091
		261H	B	44,500	248	0.006	39,000	248	0.006
		311H	B	44,500	9,046	0.203	48,000	9,046	0.188
TOTAL					65,542	1.730			1.605
12	59,254	211H	B	35,500	28,104	0.792	39,000	28,104	0.721
		211H	C	42,000	10,895	0.259	43,000	10,895	0.253
		211H	D	51,500	5,348	0.104	46,800	5,348	0.114
		261H	B	44,500	405	0.009	39,000	405	0.010
		311H	B	44,500	5,930	0.133	48,000	5,930	0.124
		311H	C	56,000	8,572	0.153	53,000	8,572	0.162
TOTAL					59,254	1.450			1.384
13	68,196	211H	B	35,500	8,427	0.237	39,000	8,427	0.216
		211H	C	42,000	6,508	0.155	43,000	6,508	0.151
		211H	D	51,500	834	0.016	46,800	834	0.018
		261H	B	44,500	440	0.010	39,000	440	0.011
		311H	B	44,500	48,950	1.100	48,000	48,950	1.020
		311H	C	56,000	3,035	0.054	53,000	3,035	0.057
TOTAL					68,194	1.573			1.474
14	51,143	211H	B	35,500	23,349	0.658	39,000	23,349	0.599
		211H	C	42,000	60	0.001	43,000	60	0.001
		261H	B	44,500	398	0.009	39,000	398	0.010
		311H	B	44,500	25,712	0.578	48,000	25,712	0.536
		311H	C	56,000	514	0.009	53,000	514	0.010
		511H	B	44,500	110	0.097	43,500	110	0.100
TOTAL					50,143	1.352			1.255
15	92,160	211H	B	35,500	6,718	0.189	39,000	6,718	0.172
		211H	C	42,000	59,140	1.408	43,000	59,140	1.375
		211H	D	51,500	25,947	0.504	46,800	25,947	0.554
		261H	B	44,500	355	0.008	39,000	355	0.009
TOTAL					92,160	2.109			2.111

* All HISS soils in project area had non–restrictive features, therefore the drainage class was used to define Grouping.
** Required Lot Size = Q(gpd)/2,000(gpd/acre) x Sewage Loading Factor * 43,560 SF/Acre.

GENERAL PLAN NOTES:

1. THE OWNER OF RECORD IS COLLDEN CORPORATION, ATTENTION JEANNE-MARIE BOYLAN WHOSE ADDRESS IS 300 COMMERCIAL ST. #1002, BOSTON, MA. 02109. THIS IS THE OWNER AS REFERRED TO ON A DEED FILE IN THE CARROL COUNTY REGISTRY OF DEEDS A BOOK 1336, PAGE 367.

2. THE PROPERTY SHOWN ON THIS PLAN IS REFERENCED AS LOT 15 ON MAP 78 AND LOT 20 ON MAP 77 AS SHOWN ON THE TOWN OF WOLFEBORO ASSESSOR'S MAPS.

3. LOT AREAS:

ORIGINAL PARCEL	315.04	AC
R.O.W. (VILLAGE CORNER RD)	6.69	AC
PRIOR PARCELS	19.50	AC
PROPOSED PARCELS	23.58	AC
PROPOSED OPEN SPACE	265.27	AC

4. THE PARCEL HAD PREVIOUSLY RECEIVED SUBDIVISION FOR A CLUSTER SUBDIVISION. PER THE TOWN OF WOLFEBORO, THE SUBDIVISION APPROVAL BECAME VOID AFTER ONLY A PORTION WAS BUILT CREATING THE NEED TO OBTAIN SUBDIVISION APPROVAL AGAIN IN ORDER TO COMPLETE THE CONSTRUCTION OF THE SUBDIVISION. THE PURPOSE OF THIS PLAN IS TO SUBDIVIDE THE PORTION OF LAND IN WHICH APPROVAL HAD LAPSED.

5. THE PARCEL IS LOCATED IN THE AGRICULTURAL ZONING DISTRICT AND IS SUBJECT TO THE COTTON MOUNTAIN HISTORIC AGRICULTURAL OVERLAY DISTRICT. DIMENSIONAL REQUIREMENTS ARE:
   - MINIMUM LOT SIZE: 5 ACRES AGRICULTURAL
   - MINIMUM LOT SIZE: 10 ACRES COTTON MOUNTAIN HISTORIC-AGRICULTURAL OVERLAY
   - MINIMUM LOT FRONTAGE: 400'
   - FRONT SETBACK: 30 FEET
   - SIDE SETBACK: 25 FEET
   - REAR SETBACK: 25 FEET

6. THE PARCEL MUST BE DEVELOPED AS A "CONSERVATION SUBDIVISION"
   - FRONT SETBACK: 25 FEET OR 30 FEET FROM PAVEMENT
   - SIDE SETBACK FLEXIBLE MIN 20' BETWEEN BUILDINGS
   - DENSITY IS BASED ON THE MINIMUM OF 3 CALCULATIONS.
   - NET DEVELOPMENT DENSITY
   - MAXIMUM DENSITY PER HISS
   - MAXIMUM DENSITY BASED ON ARTICLES 175-146

   THE NET AND MAX BASED ON ARTICLES 175-146 ARE THE SAME BECAUSE OF THE OVERLAY DISTRICT REQUIRING A MINIMUM LOT SIZE OF 10 ACRES.

7. OPEN SPACE TO BE MAINTAINED BY HOMEOWNER'S ASSOCIATION.

8. AN INDIVIDUAL SEWERAGE DISPOSAL SYSTEM SHALL SERVE EACH LOT. THE SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES (NHDES) SUBDIVISION AND INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN RULES.

9. A PRIVATE WELL SHALL SERVE EACH LOT.

10. THE SOIL MAPPINGS UNITS AND BOUNDARIES SHOWN ON OVERALL PARCEL ARE FROM MAPS PUBLISHED BY THE U.S. NATURAL RESOURCE CONSERVATION SERVICE AND IN THE SITE AREA. THE SOIL MAPPINGS UNITS AND BOUNDARIES SHOWN ON THE LOTS AND ROADWAY ARE FROM AN ONSITE SOIL SURVEY PREPARED BY SCHAUER ENVIRONMENTAL CONSULTANTS, LLC IN DECEMBER OF 2014 AND PRODUCED UNDER THE GUIDELINES OF THE HIGH INTENSITY SOIL MAPS FOR NEW HAMPSHIRE -STANDARDS, SPONSORED BY THE SOCIETY OF SOIL SCIENTISTS OF NORTHERN NEW ENGLAND, SPECIAL PUBLICATION NO. 1, LAST UPDATED ON SEPTEMBER 2006. SEE SOIL SCIENTIST CERTIFICATION.

11. THIS PLAN WAS PREPARED BASED ON A GROUND SURVEY BY HOLDEN ENGINEERING AND SURVEYING STARTING IN NOVEMBER OF 2014 AND ENDING IN DECEMBER OF 2014.

12. THE VERTICAL DATUM USED TO PREPARE THE TOPOGRAPHIC MAPPING ON THIS PLAN IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

13. THE BEARINGS SHOWN ON THIS PLAN ARE BASED ON STATE PLANE COORDINATES.

12. THE WETLANDS SHOWN ON THIS PLAN WERE IDENTIFIED BY SCHAUER ENVIRONMENTAL CONSULTANTS, LLC.

14. THE PREVIOUS CLUSTER SUBDIVISION PLAN ENTITLED "COLLDEN FARMS, BROWN RIDGE ROAD, WOLFEBORO, NEW HAMPSHIRE" AUGUST 20, 1990 BY LINDON DESIGN ASSOCIATES, SCALE 1"=100" AS RECORDED ON PLAN 146 PAGE 16 IN THE CARROL COUNTY REGISTRY OF DEEDS.

15. AOT PERMIT #_____
    NHDES ENV. WQ 1503.21 NOTIFICATION TO WHOM AN AOT PERMIT IS ISSUED SHALL NOTIFY THE DEPARTMENT IN WRITING AT LEAST ONE WEEK PRIOR TO THE START OF CONSTRUCTION.

HOLDEN ENGINEERING & SURVEYING, Inc.
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PO Box 480 Concord, N.H. 03302
(603) 225-6449
9 Constitution Drive
Bedford, N.H. 03110
(603) 472-2078

SHEET INDEX AND GENERAL NOTES
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DATE:	DR. BY	CHK. BY
08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	LH

BOOK | PAGE

Date: 01–14–2015
Scale: N.T.S.
Dr. By: RL Ck. By: DJ
Job No. 1020162
Sheet No. 2 of 38

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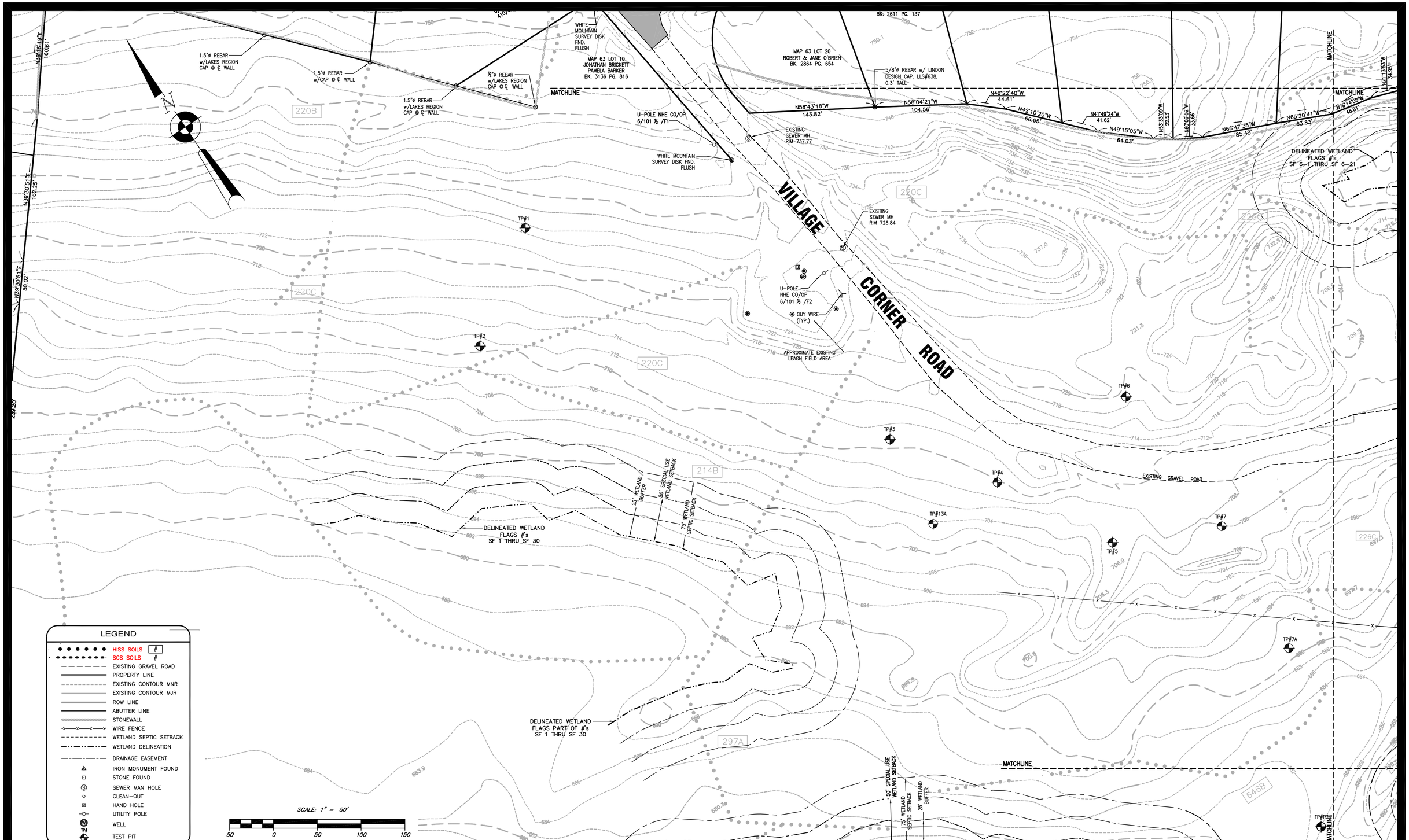

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EXISTING CONDITIONS PLAN
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DATE:	DR. BY	CHK. BY
08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	

BOOK | PAGE

Date: 01-14-2015
Scale: 1" = 50'
Dr. By: RL Ck. By: DJ
Job No. 1020162
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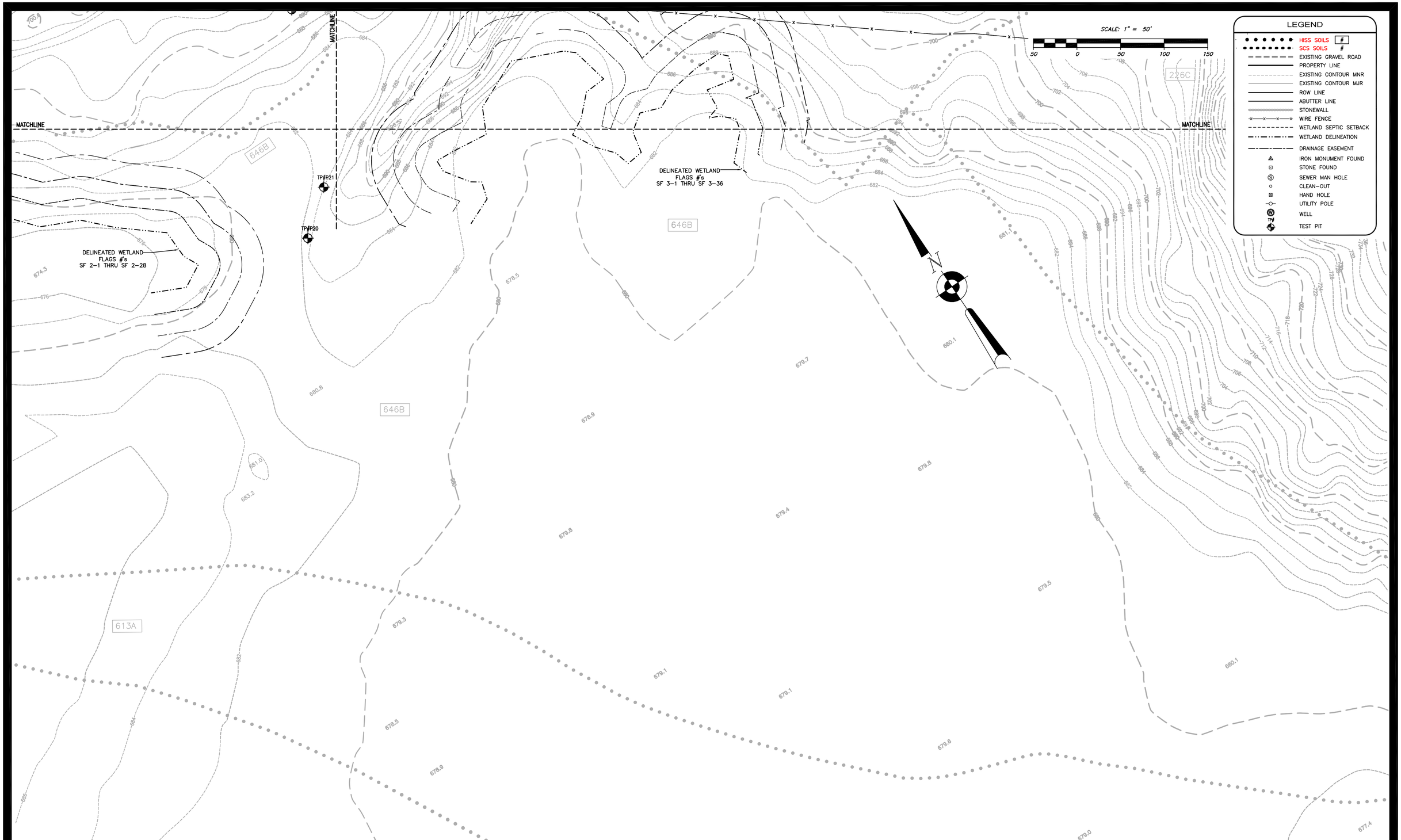

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08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	LL

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Date: 01-14-2015
Scale: 1" = 50'
Dr. By: RL Ck. By: DJ
Job No. 1020162
Sheet No. 4 of 38

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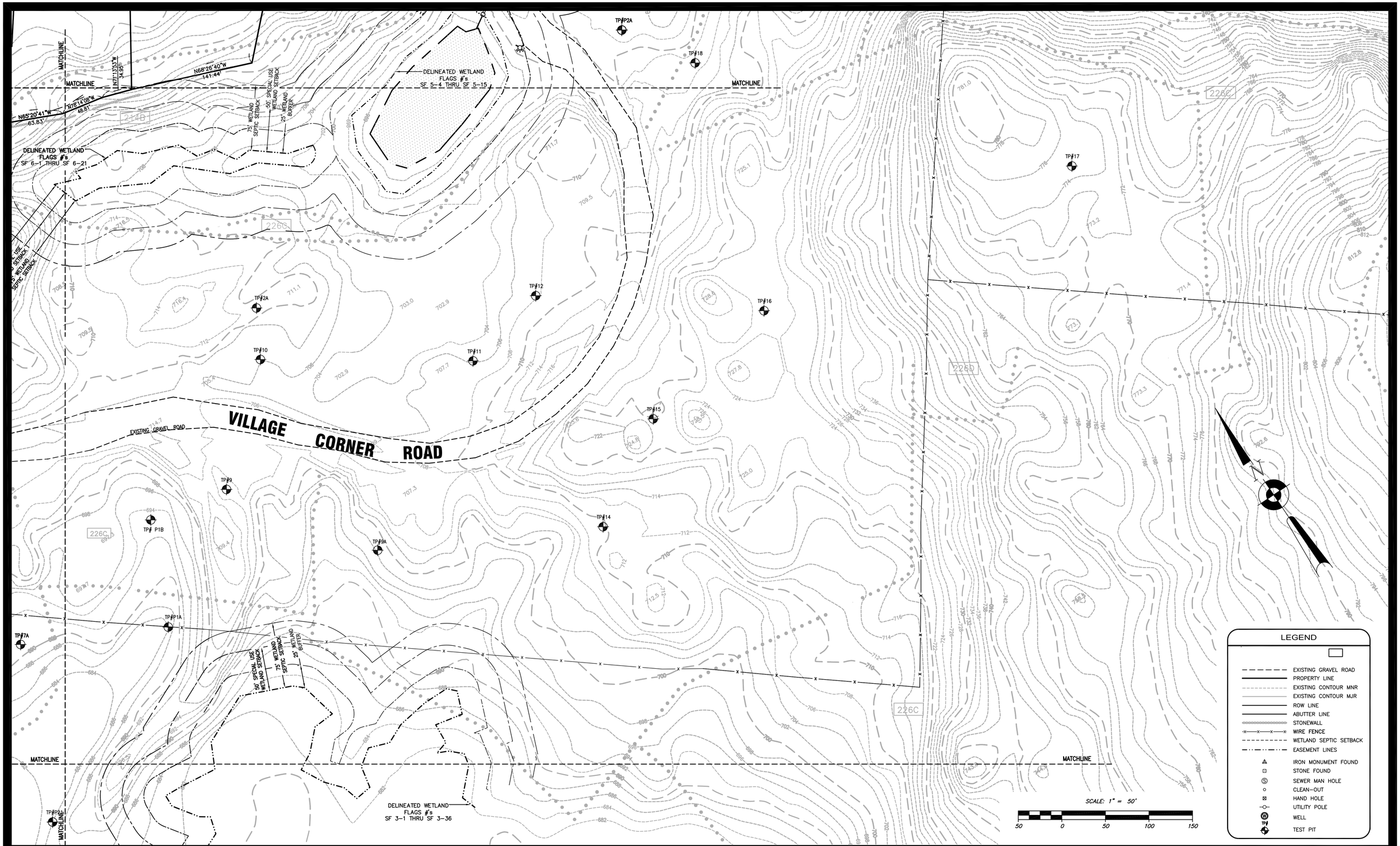

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COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

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08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	

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Scale: 1" = 50'
Dr. By: RL Ck. By: DJ
Job No. 1020162
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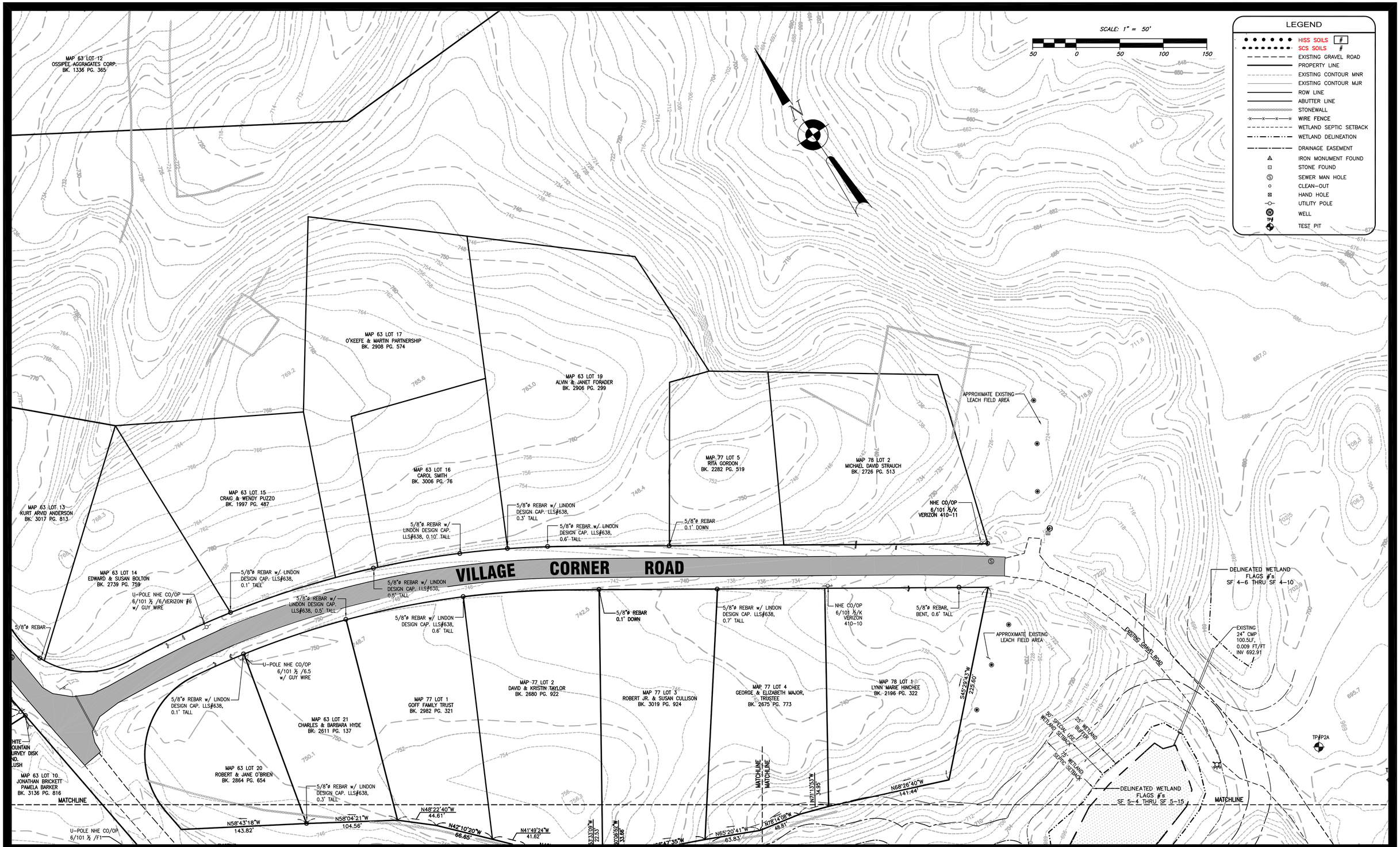

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WOLFEBORO, NH

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Scale: 1" = 50'
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Job No. 1020162
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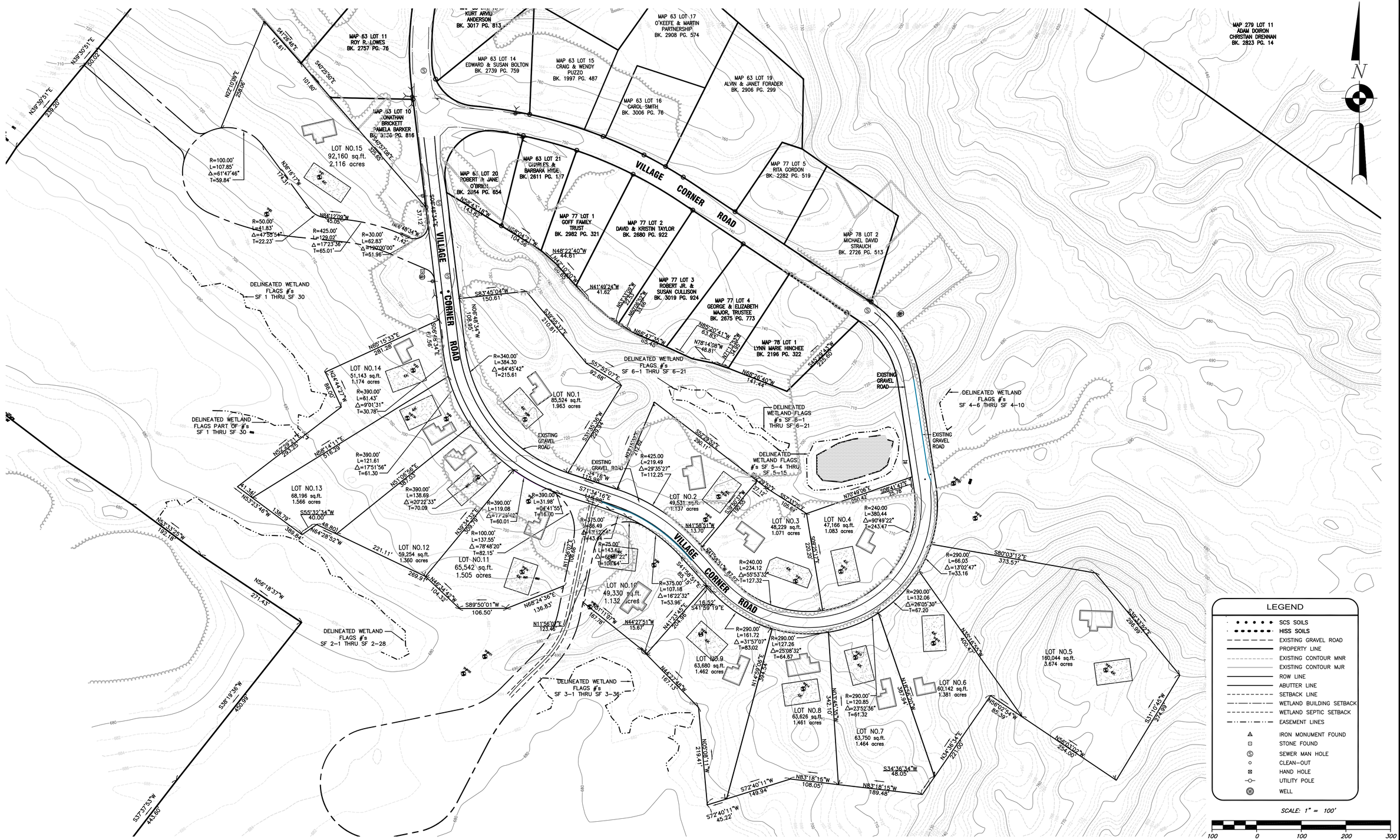

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SUBDIVISION PLAN
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DATE:	DR. BY	CHK. BY
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Date: 01-14-2015
Scale: 1" = 100'
Dr. By: RL Ck. By: DJ
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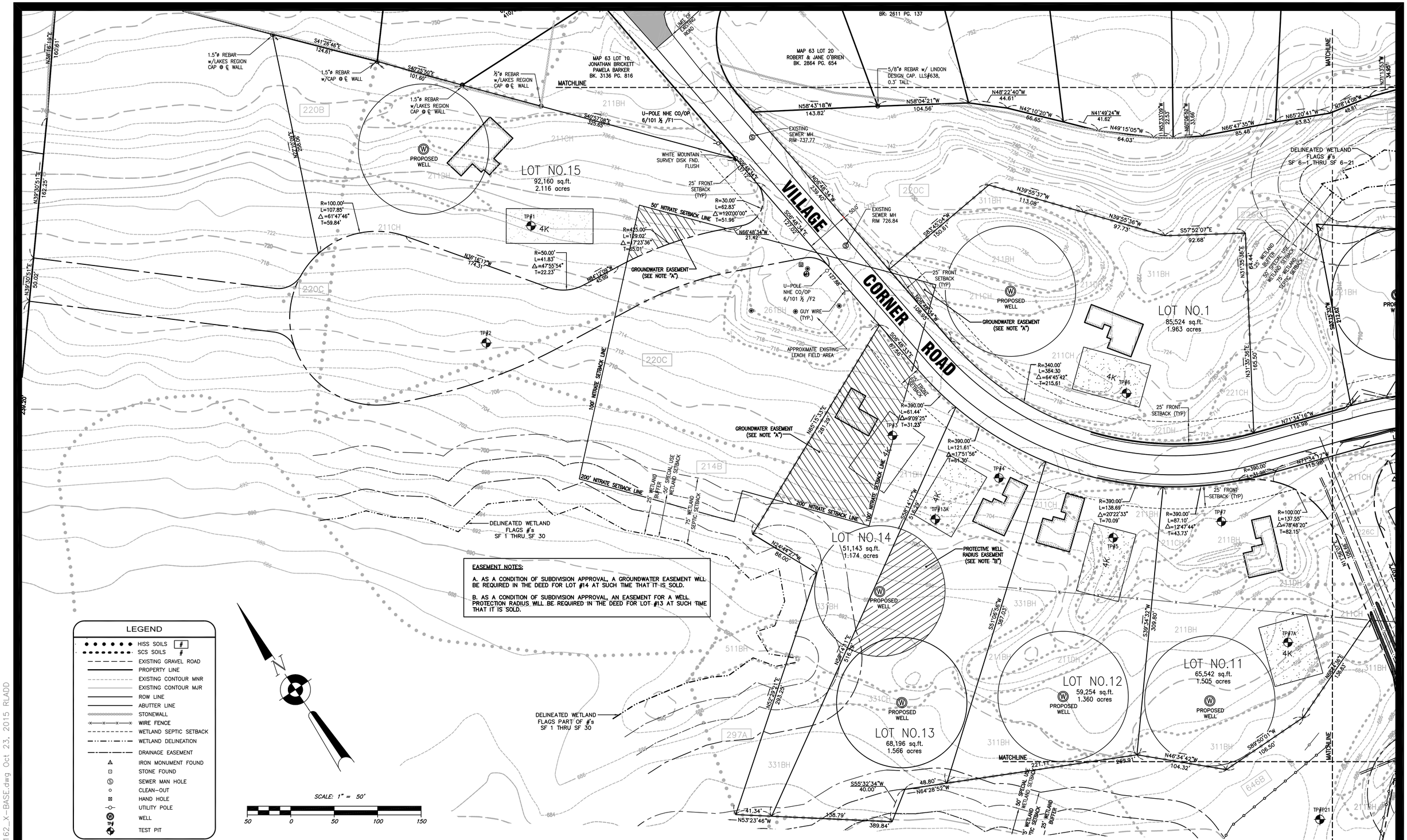

EASEMENT NOTES:

A. AS A CONDITION OF SUBDIVISION APPROVAL, A GROUNDWATER EASEMENT WILL BE REQUIRED IN THE DEED FOR LOT #14 AT SUCH TIME THAT IT IS SOLD.

B. AS A CONDITION OF SUBDIVISION APPROVAL, AN EASEMENT FOR A WELL PROTECTION RADIUS WILL BE REQUIRED IN THE DEED FOR LOT #13 AT SUCH TIME THAT IT IS SOLD.

LEGEND

- HISS SOILS #
- SCS SOILS #
- EXISTING GRAVEL ROAD
- PROPERTY LINE
- EXISTING CONTOUR MNR
- EXISTING CONTOUR MJR
- ROW LINE
- ABUTTER LINE
- STONEWALL
- WIRE FENCE
- WETLAND SEPTIC SETBACK
- WETLAND DELINEATION
- DRAINAGE EASEMENT
- IRON MONUMENT FOUND
- STONE FOUND
- SEWER MAN HOLE
- CLEAN-OUT
- HAND HOLE
- UTILITY POLE
- WELL
- TP# TEST PIT

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SUBDIVISION PLAN
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DR. BY	CHK. BY
08.25.2015	REVISIONS PER REVIEW COMMENTS	REL	
10.08.2015	ADDRESSING NHDES COMMENTS	REL	WCR
10.23.2015	REVISIONS TO NITRATE SETBACK & PROTECTIVE WELL RADIUS	REL	DJ

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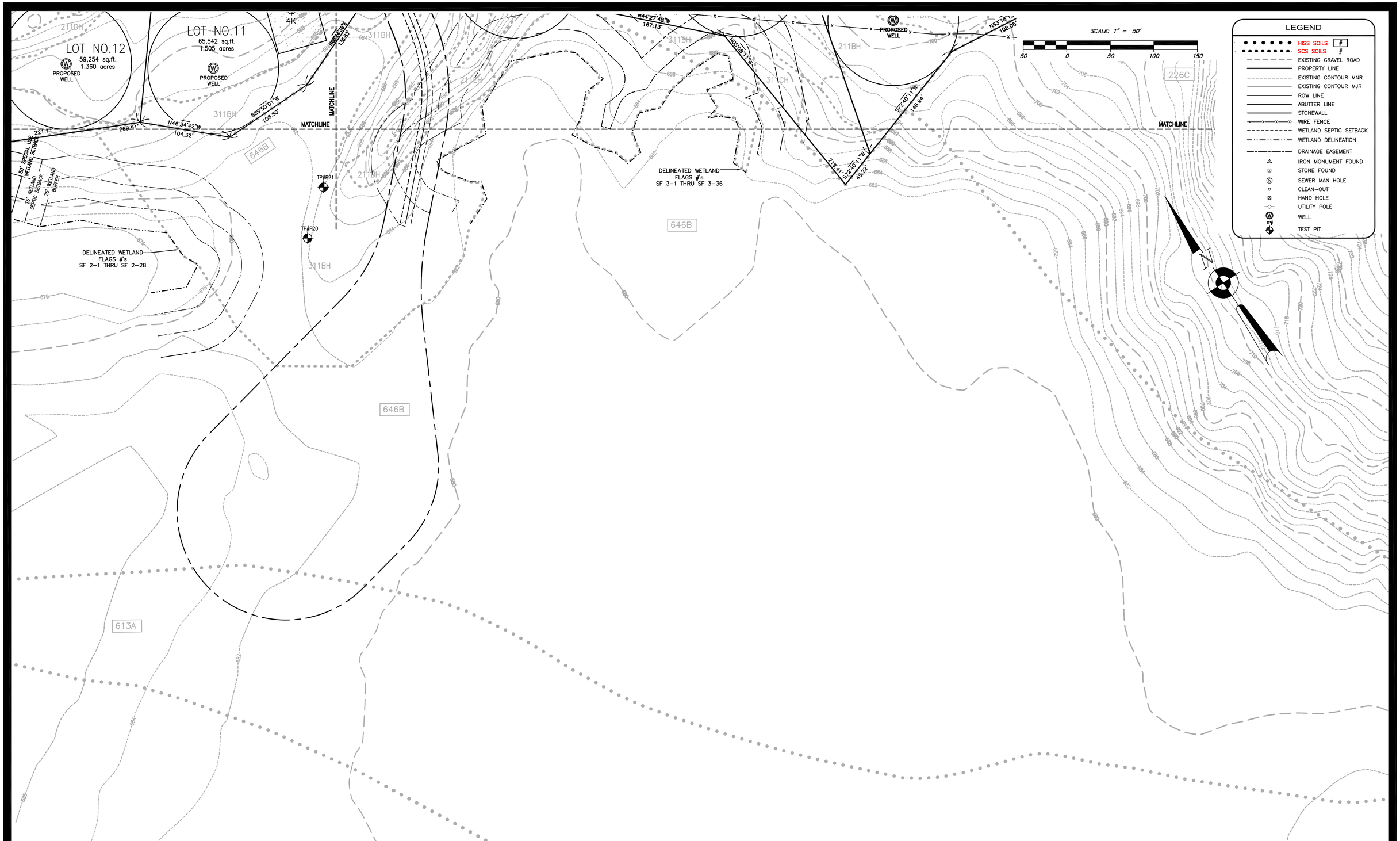

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SUBDIVISION PLAN
COLLDEN FARMS SUBDIVISION
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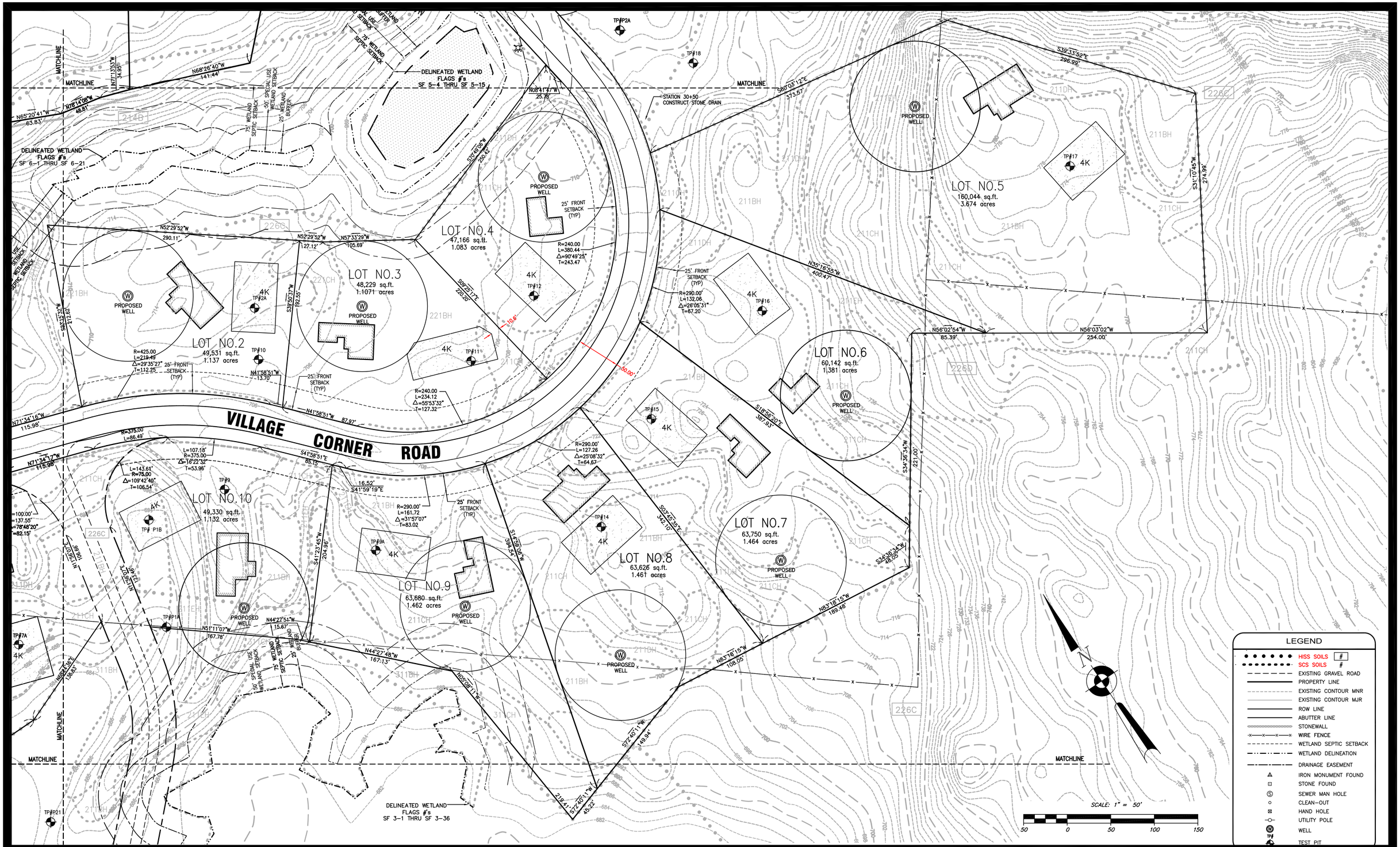

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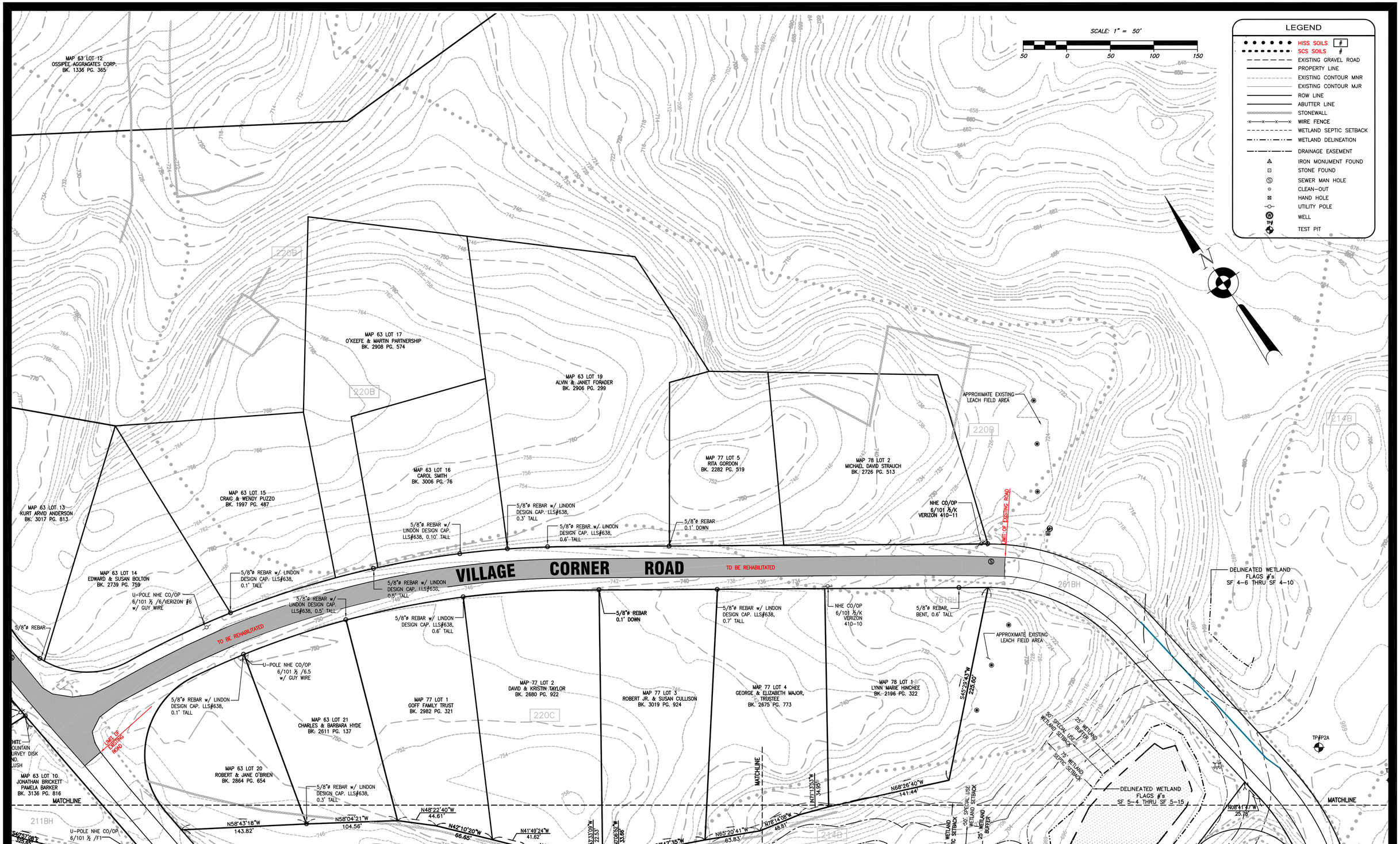

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SUBDIVISION PLAN
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

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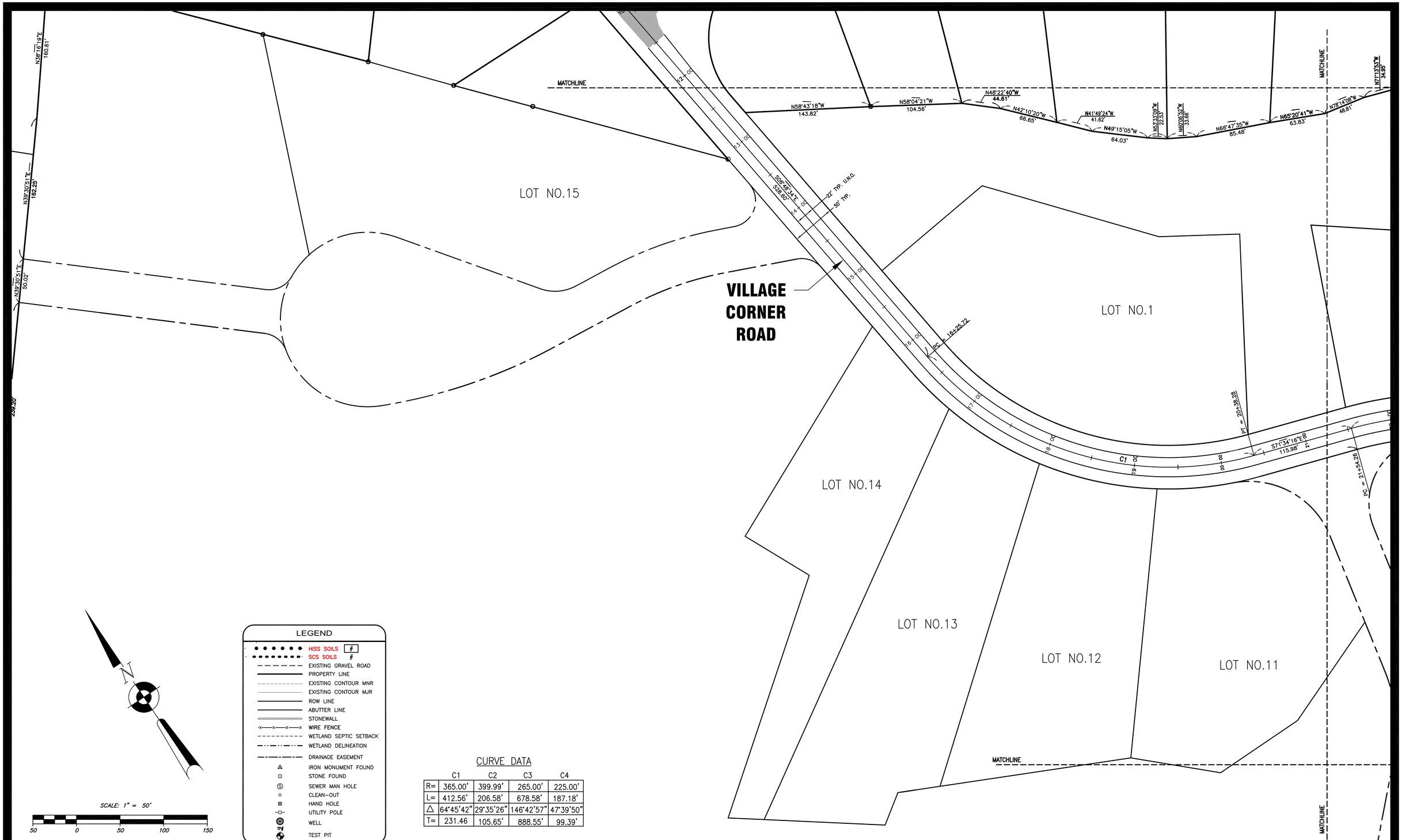

SCALE: 1" = 50'

50 0 50 100 150

LEGEND

- HISS SOILS #
- SCS SOILS #
- EXISTING GRAVEL ROAD
- PROPERTY LINE
- EXISTING CONTOUR MNR
- EXISTING CONTOUR MJR
- ROW LINE
- ABUTTER LINE
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- WIRE FENCE
- WETLAND SEPTIC SETBACK
- WETLAND DELINEATION
- DRAINAGE EASEMENT
- IRON MONUMENT FOUND
- STONE FOUND
- SEWER MAN HOLE
- CLEAN-OUT
- HAND HOLE
- UTILITY POLE
- WELL
- TEST PIT

CURVE DATA

	C1	C2	C3	C4
R=	365.00'	399.99'	265.00'	225.00'
L=	412.56'	206.58'	678.58'	187.18'
△	64°45'42"	29°35'26"	146°42'57"	47°39'50"
T=	231.46	105.65'	888.55'	99.39'

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ROADWAY ALIGNMENT & GEOMETRY PLAN
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

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Dr. By: RL Ck. By: DJ
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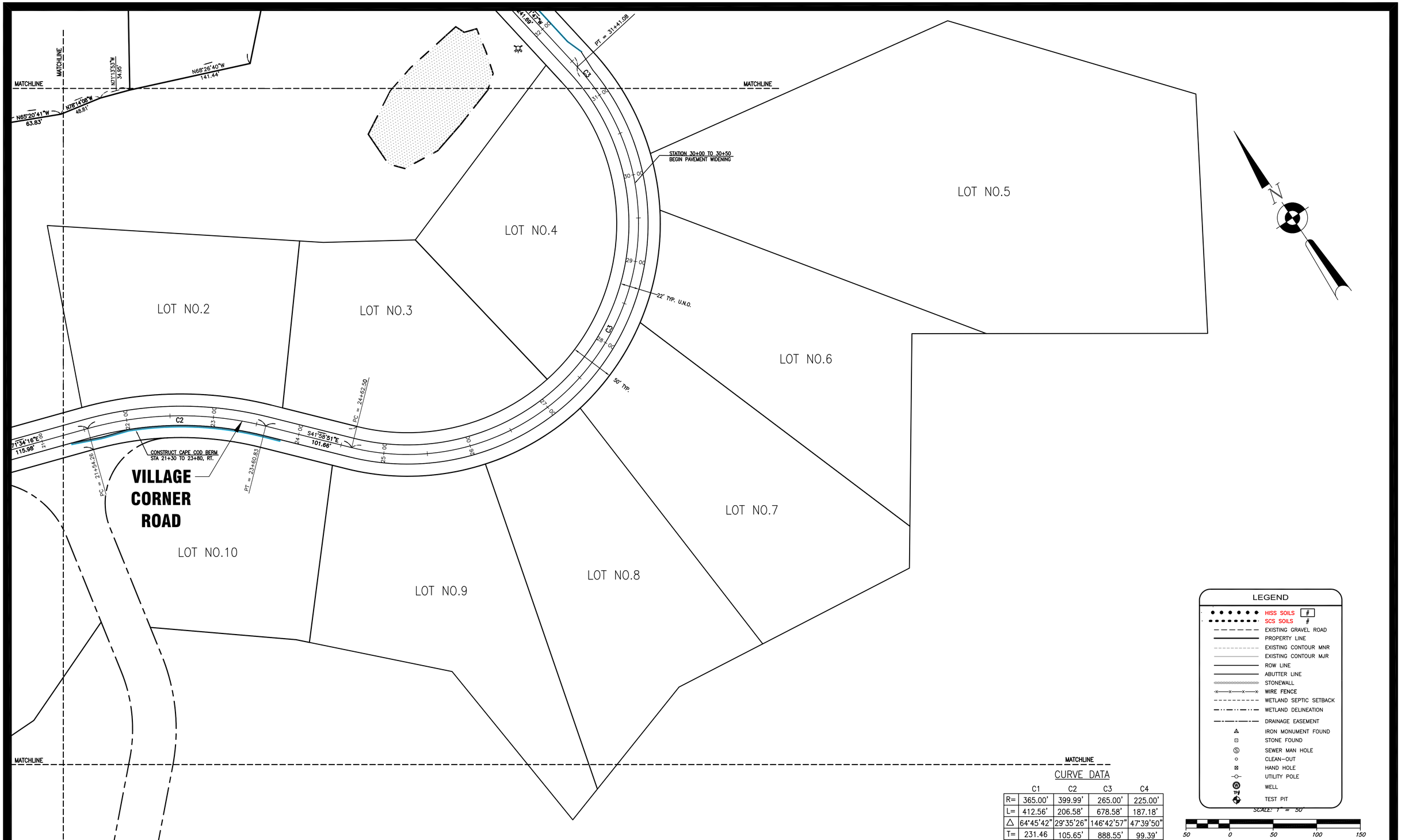

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ROADWAY ALIGNMENT & GEOMETRY PLAN
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

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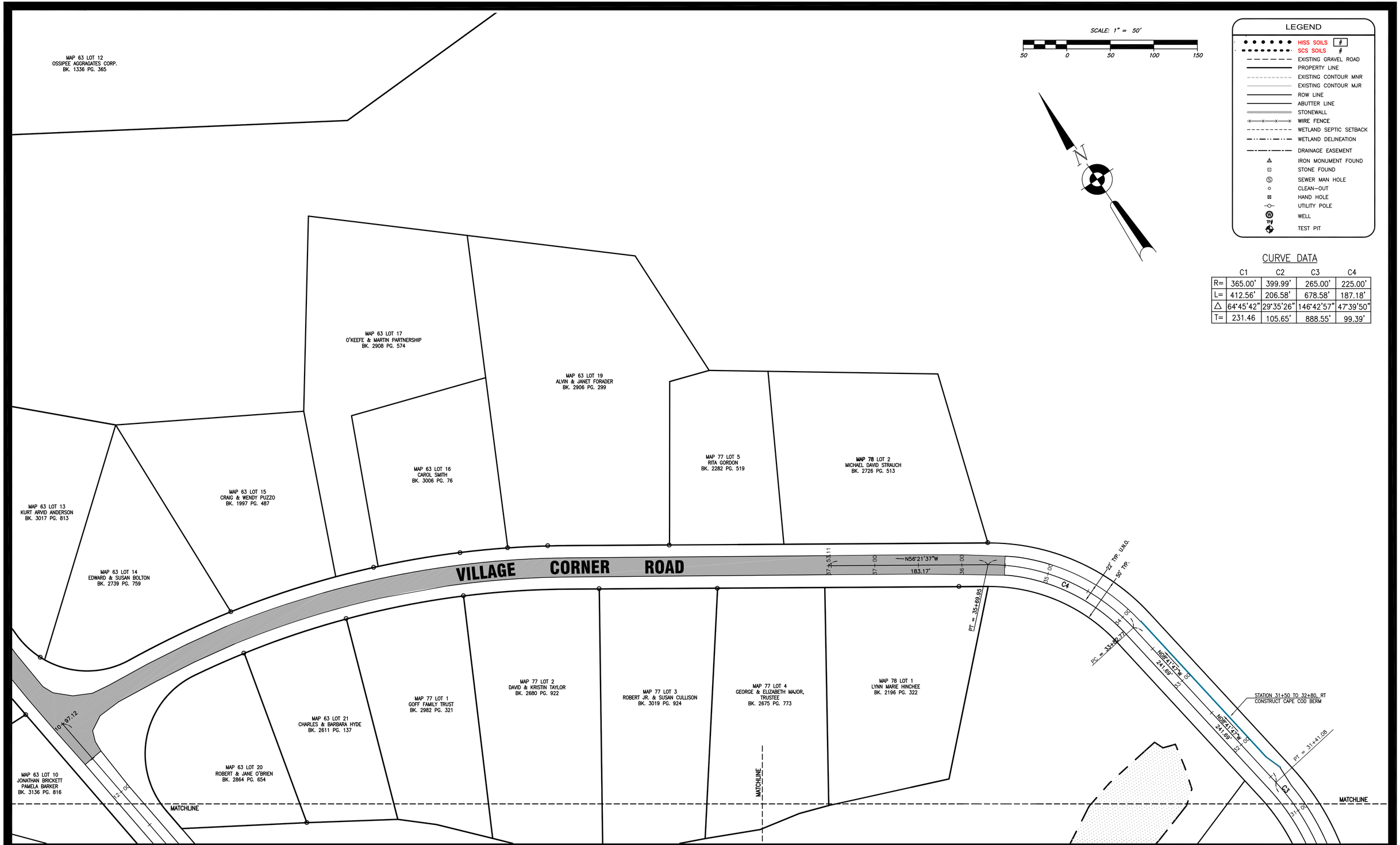

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ROADWAY ALIGNMENT & GEOMETRY PLAN
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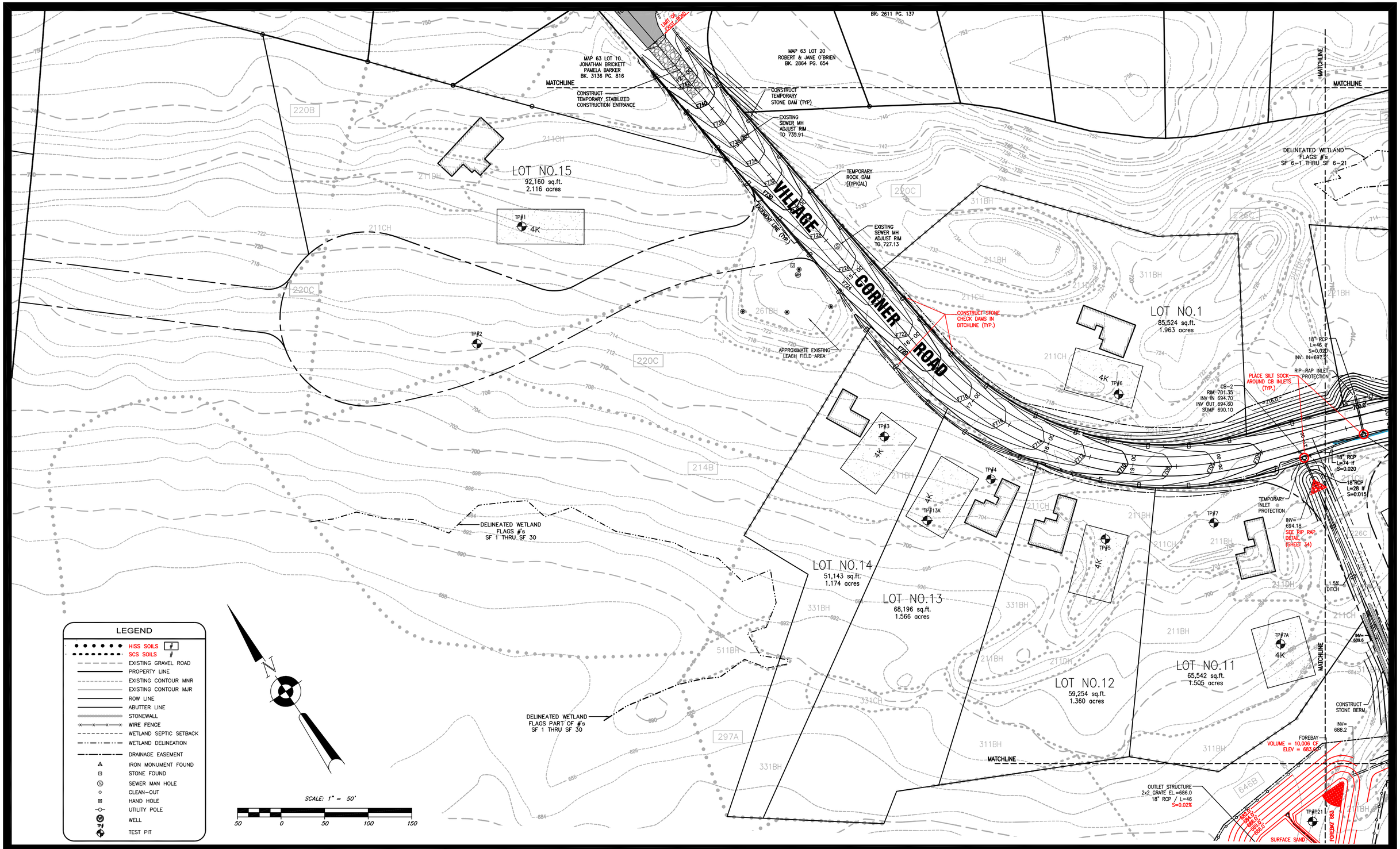

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GRADING, DRAINAGE & EROSION PLANS
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

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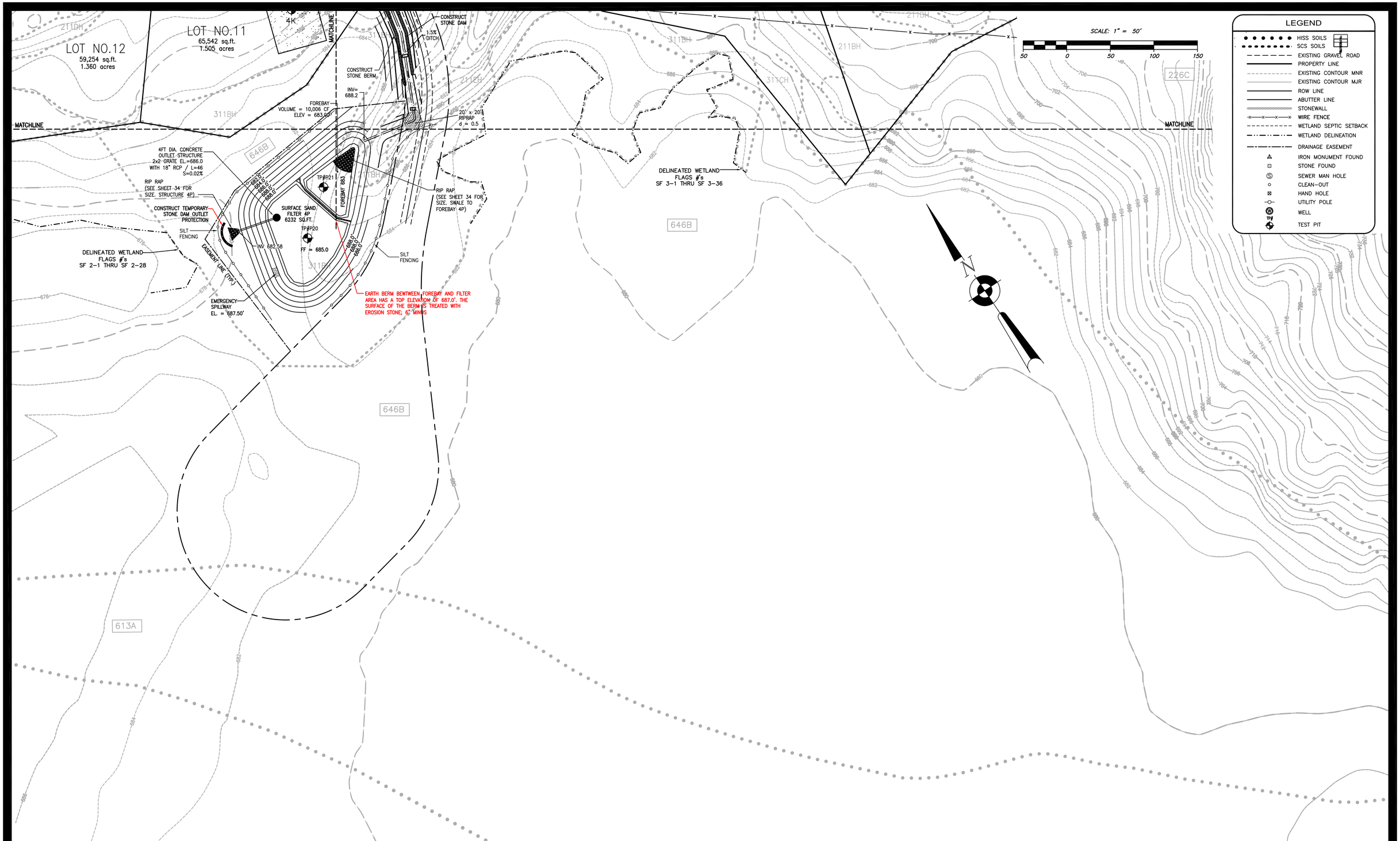

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GRADING, DRAINAGE & EROSION PLANS
COLLDEN FARMS SUBDIVISION
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09.21.2015	REVISIONS TO TREATMENT AREA NOTES		REL	PDH

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Date: 01-14-2015
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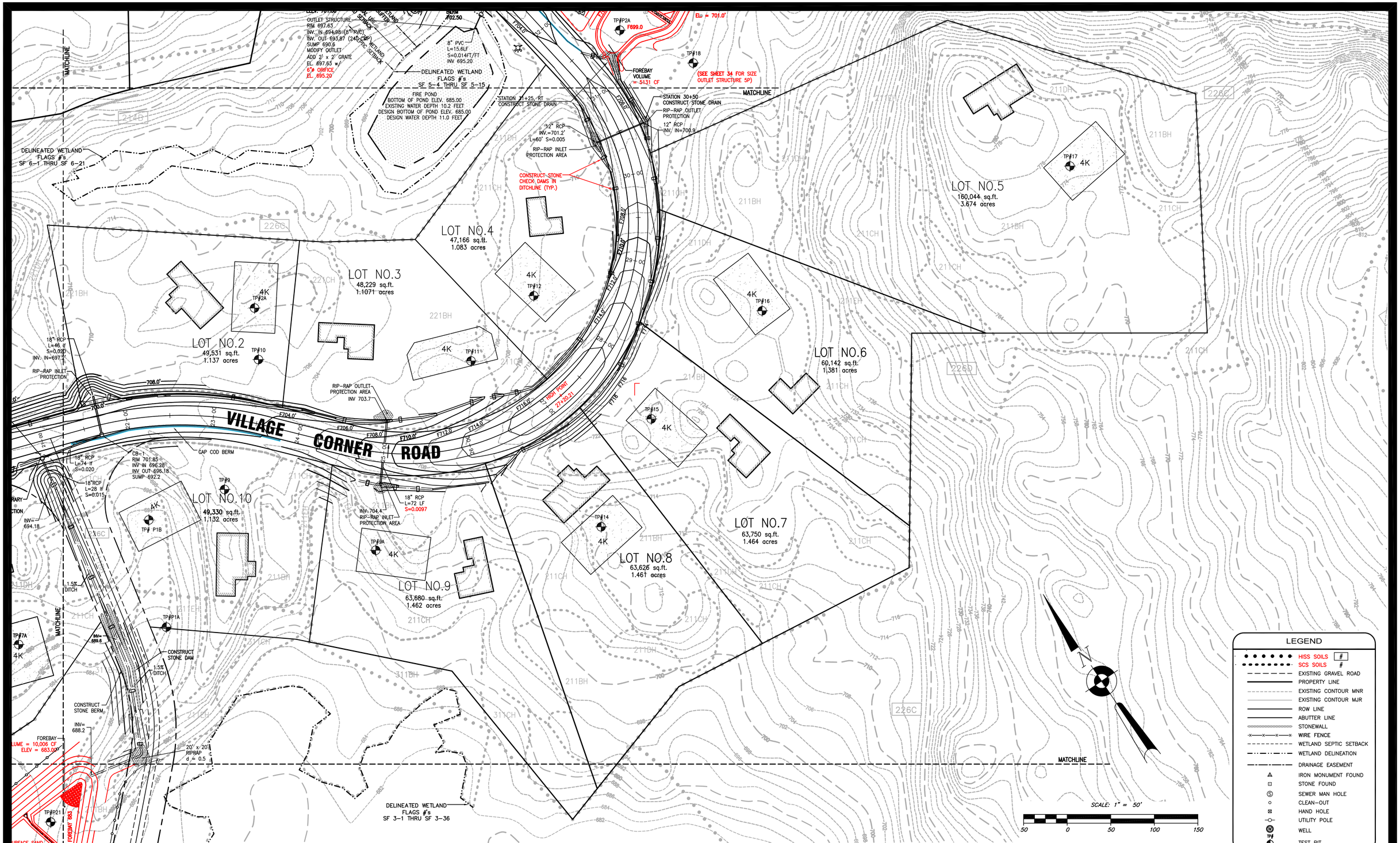

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SCALE: 1" = 50'

50 0 50 100 150

LEGEND

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- IRON MONUMENT FOUND
- STONE FOUND
- SEWER MAN HOLE
- CLEAN-OUT
- HAND HOLE
- UTILITY POLE
- WELL
- TEST PIT

MAP 63 LOT 12
OSSIPEE AGGRAGATES CORP.
BK. 1336 PG. 365

MAP 63 LOT 17
O'KEEFE & MARTIN PARTNERSHIP
BK. 2908 PG. 574

MAP 63 LOT 19
ALVIN & JANET FORADER
BK. 2906 PG. 299

MAP 63 LOT 16
CAROL SMITH
BK. 3006 PG. 76

MAP 63 LOT 15
CRAIG & WENDY PUZZO
BK. 1997 PG. 487

MAP 63 LOT 13
KURT ARVID ANDERSON
BK. 3017 PG. 813

MAP 63 LOT 14
EDWARD & SUSAN BOLTON
BK. 2739 PG. 759

MAP 77 LOT 5
RITA GORDON
BK. 2282 PG. 519

MAP 78 LOT 2
MICHAEL DAVID STRAUCH
BK. 2726 PG. 513

220B

220C

214B

VILLAGE CORNER ROAD

VILLAGE CORNER ROAD

MAP 63 LOT 21
CHARLES & BARBARA HYDE
BK. 2611 PG. 137

MAP 63 LOT 20
ROBERT & JANE O'BRIEN
BK. 2864 PG. 654

MAP 63 LOT 10
JONATHAN BRICKETT
PAMELA BARKER
BK. 3136 PG. 816

MAP 77 LOT 1
GOFF FAMILY TRUST
BK. 2982 PG. 321

MAP 77 LOT 2
DAVID & KRISTIN TAYLOR
BK. 2680 PG. 922

MAP 77 LOT 3
ROBERT JR. & SUSAN CULLISON
BK. 3019 PG. 924

MAP 77 LOT 4
GEORGE & ELIZABETH MAJOR, TRUSTEE
BK. 2675 PG. 773

MAP 78 LOT 1
LYNN MARIE HINCHEE
BK. 2196 PG. 322

MATCHLINE

MATCHLINE

CONSTRUCT TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCT TEMPORARY STONE DAM (TYP)

S45°57'08"E
325.84'

APPROXIMATE EXISTING LEACH FIELD AREA

APPROXIMATE EXISTING LEACH FIELD AREA

CONSTRUCT TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

INV. 705.2'
RAP-RAP INLET PROTECTION

DELINEATED WETLAND FLAGS #'s SF 4-6 THRU SF 4-10

INSTALL DOUBLE ROW SILT FENCE NOT TO ENCROACH INTO EXISTING WETLANDS

EXISTING 24" CMP 100.5LF, 0.009 FT/FT INV 692.91

SEE DETAIL ABOVE FOR SURFACE SAND FILTER

18" RCP L=90' S=0.032 FT/FT

SPILLWAY ELEV. 704.00

RIP-RAP OUTLET PROTECTION L=11.25 W=15.75

SPILLWAY ELEV. 702.00

INV. 700.3'

FOREBAY VOL. 400 CF ELEV. 701.00

OUTLET STRUCTURE RIM 697.63 INV. IN 694.98 (8" PVC) INV. OUT 693.87 (24" CMP) SUMP 690.6 MODIFY OUTLET ADD 2' x 2' GRATE EL. 697.63 w/ 6"ø ORIFICE EL. 695.20 CONSTRUCT TRASH GRATE

TOP OF BERM 702.50

50' SPECIAL USE WETLAND SETBACK

25' WETLAND BUFFER

8" PVC L=15.6LF S=0.014FT/FT INV 695.20

DELINEATED WETLAND FLAGS #'s SF 5-4 THRU SF 5-15

FIRE POND
BOTTOM OF POND ELEV. 685.00
EXISTING WATER DEPTH 10.2 FEET
DESIGN BOTTOM OF POND ELEV. 685.00
DESIGN WATER DEPTH 11.0 FEET

STATION 11+25, RT. CONSTRUCT STONE DRAIN

SURFACE SAND FILTER 5P

F700.0

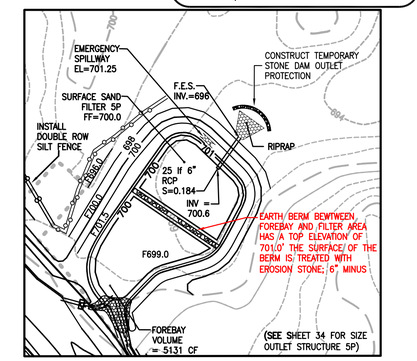
TP#P2A
F699.0

MATCHLINE

RIP-RAP OUTLET PROTECTION

12" RCP

12" RCP



SURFACE SAND FILTER 5P

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GRADING, DRAINAGE & EROSION PLANS
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DATE:	DR. BY	CHK. BY
08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	
09.21.2015	REVISIONS TO TREATMENT AREA NOTES		REL	PDH

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Date: 01-14-2015
Scale: 1" = 50'
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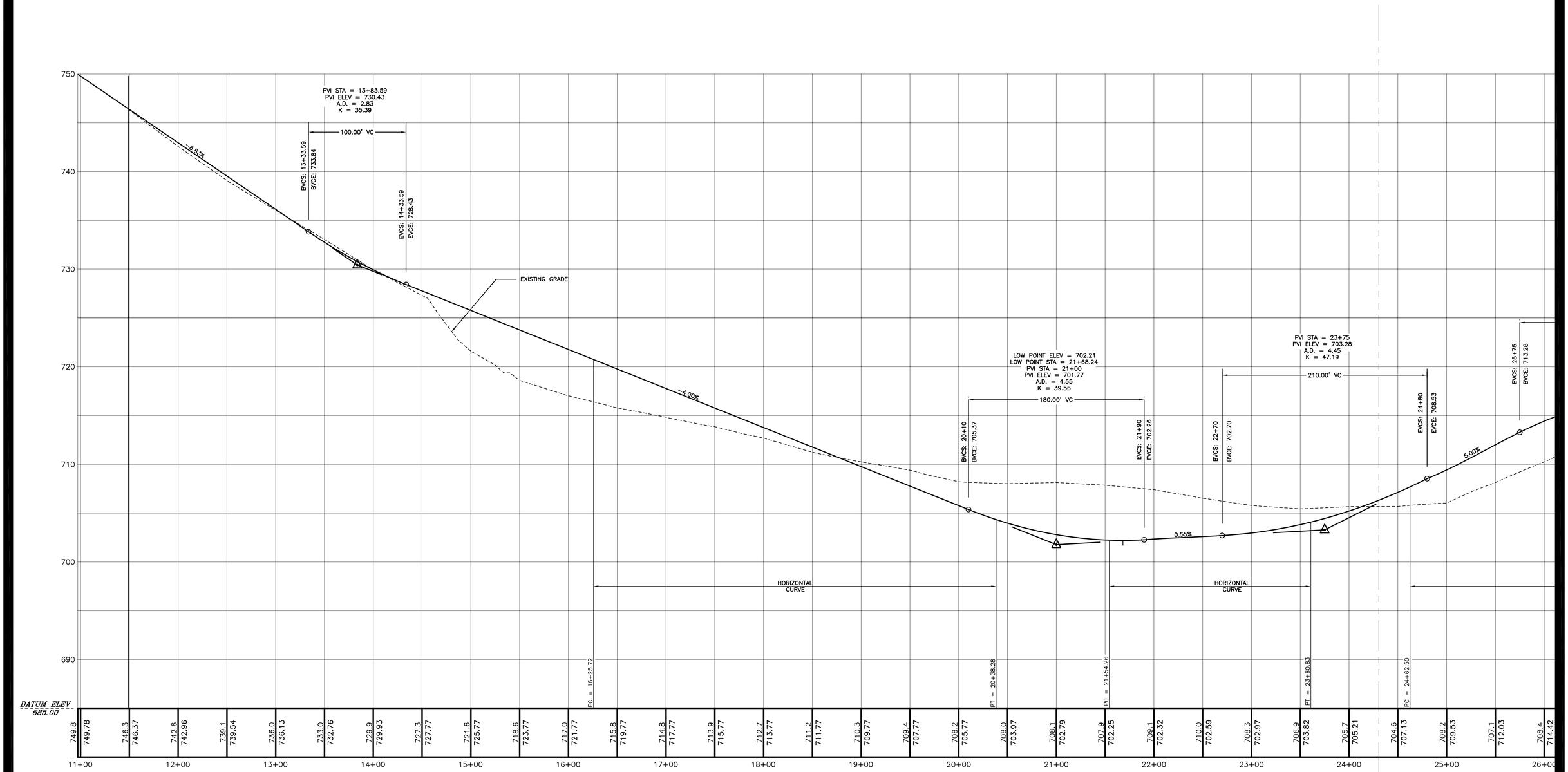

VILLAGE CORNER ROAD

DESIGN SPEED – 25 mph

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VILLAGE CORNER ROAD PROFILES
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DATE:	DR. BY	CHK. BY
08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	4t

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Date: 01–14–2015
Scale: 1" = 50'
Dr. By: RL Ck. By: DJ
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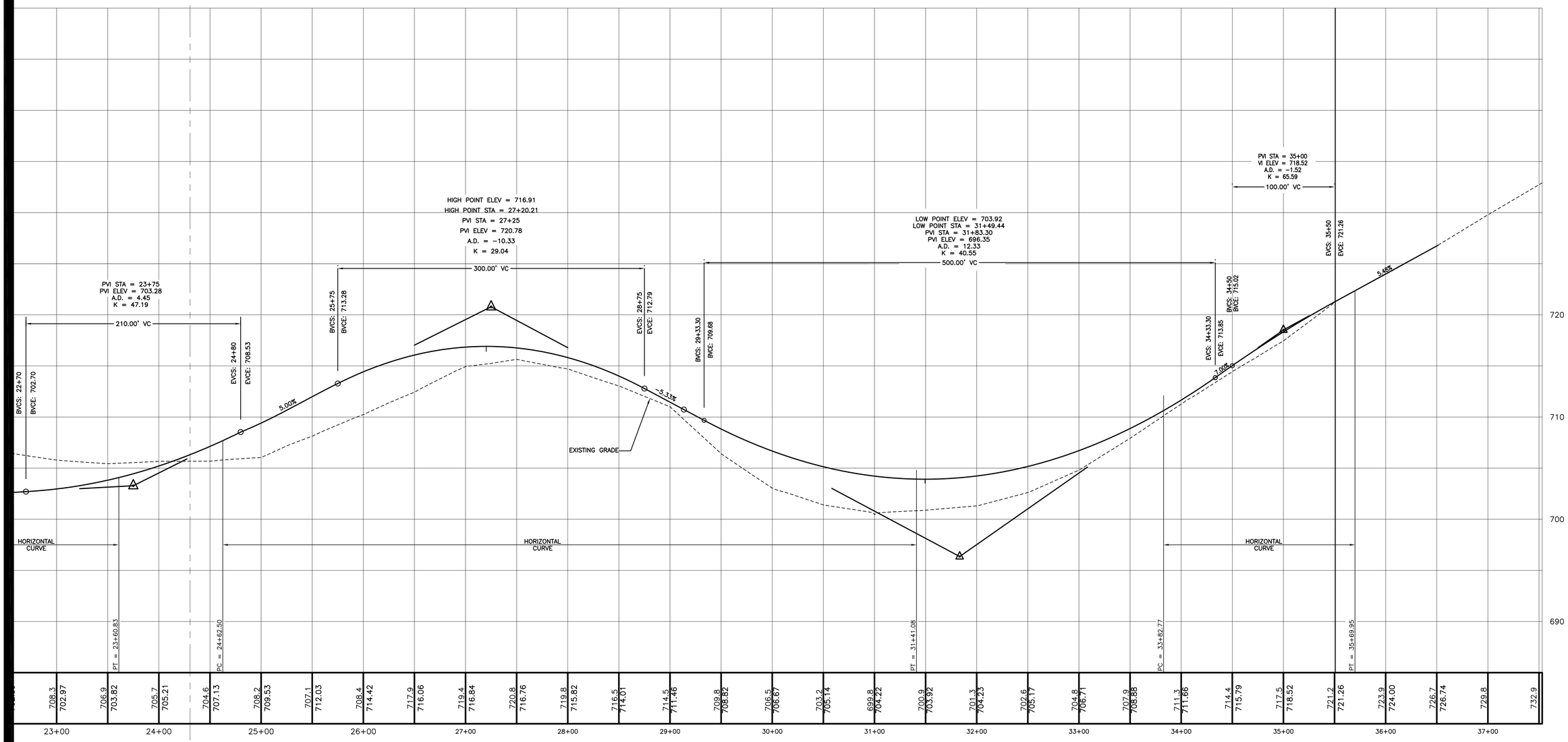
J:\Dwg\CADD\ ROAD_PROFILE.dwg Sep 02, 2015



VILLAGE CORNER ROAD

DESIGN SPEED –25 mph

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Dr. By: RL Ck. By: DJ
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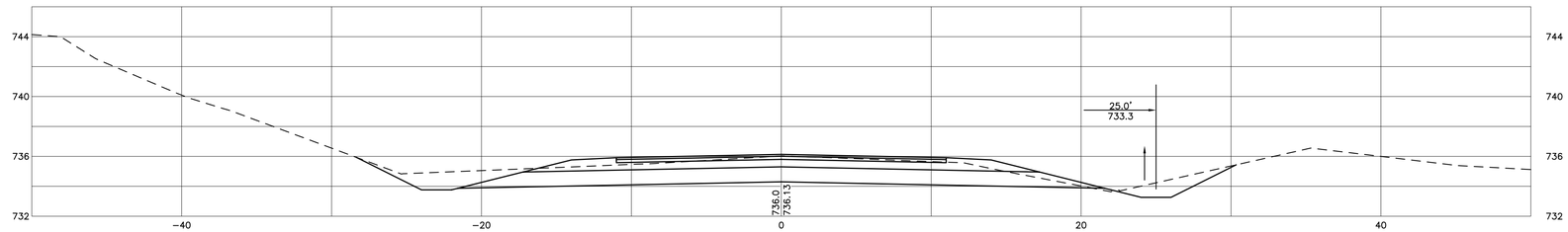

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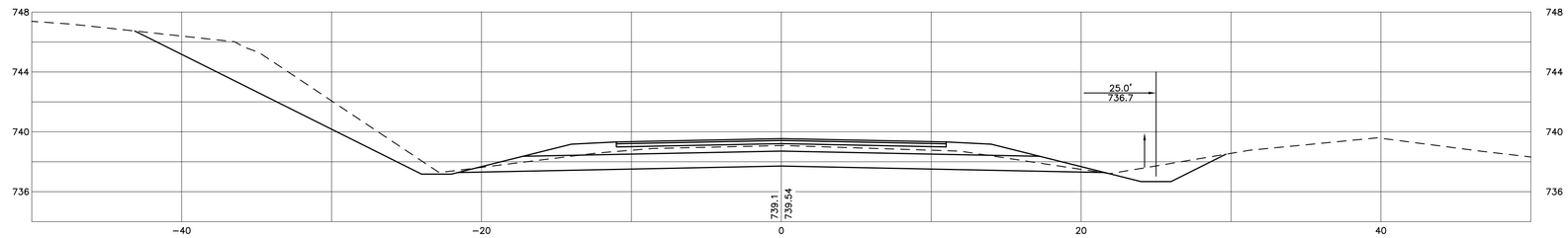

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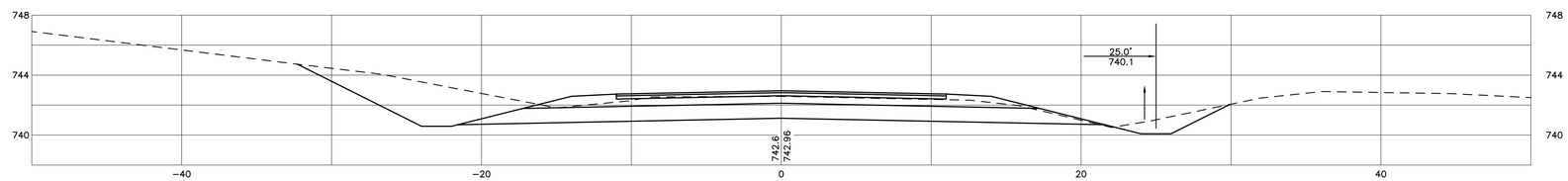

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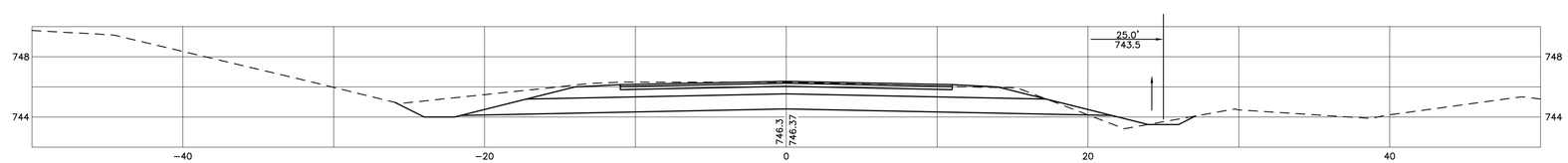

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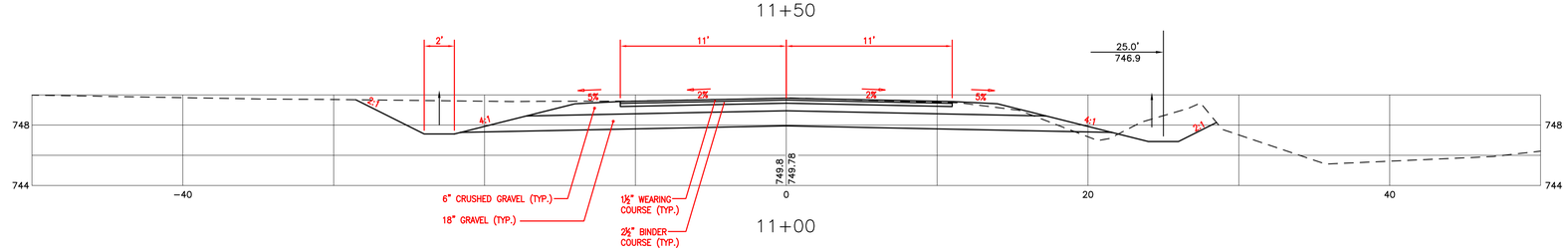

11+00

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Date: 01–14–2015
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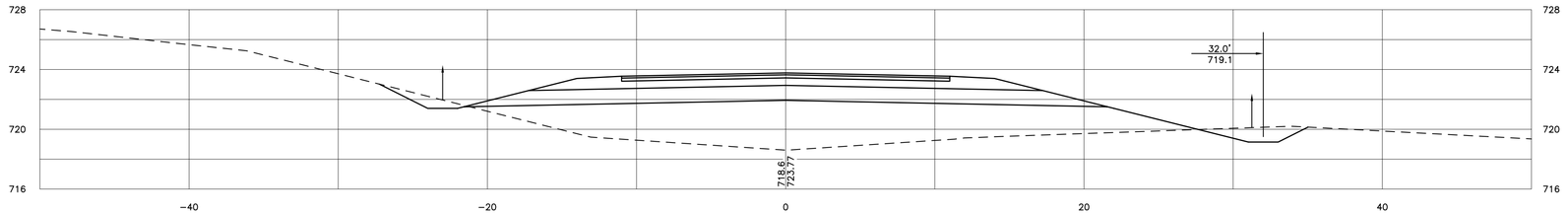

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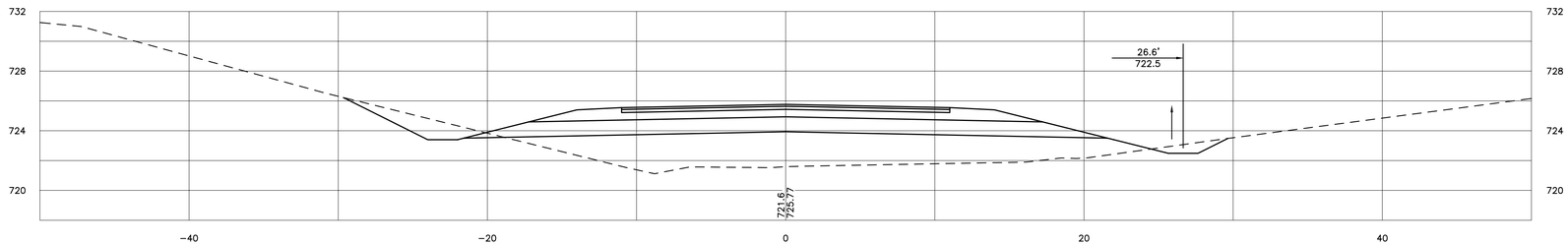

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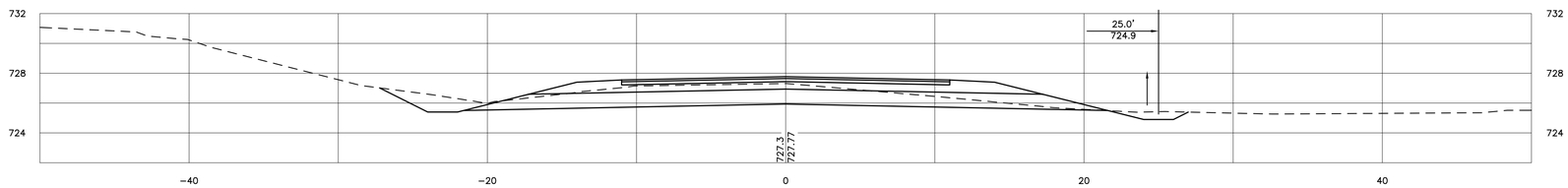

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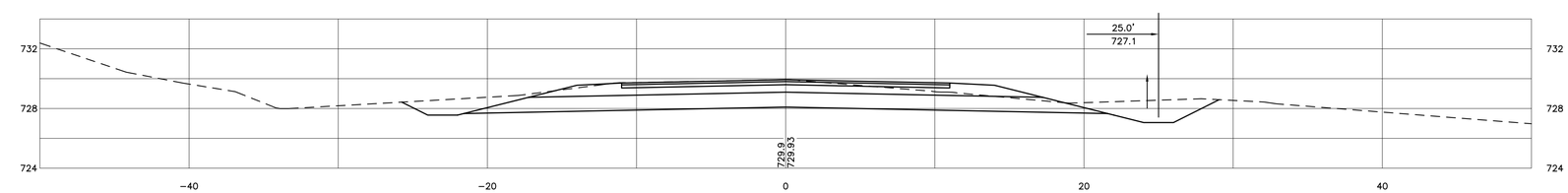

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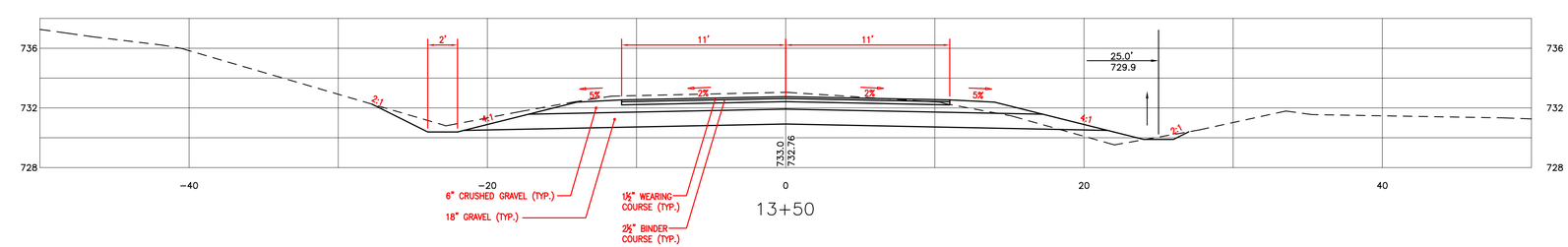

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WOLFEBORO, NH

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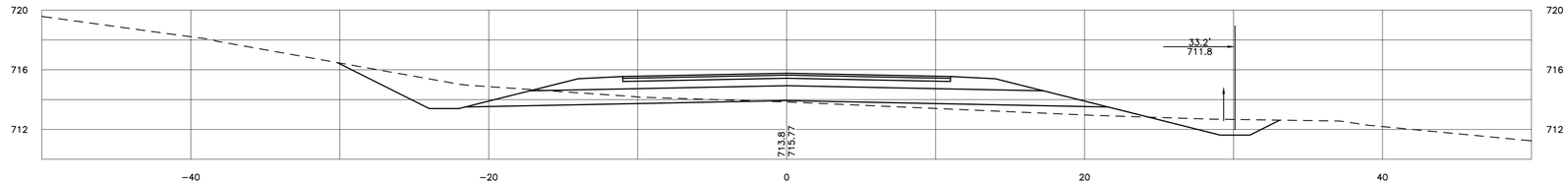
COURSE (TYP.)



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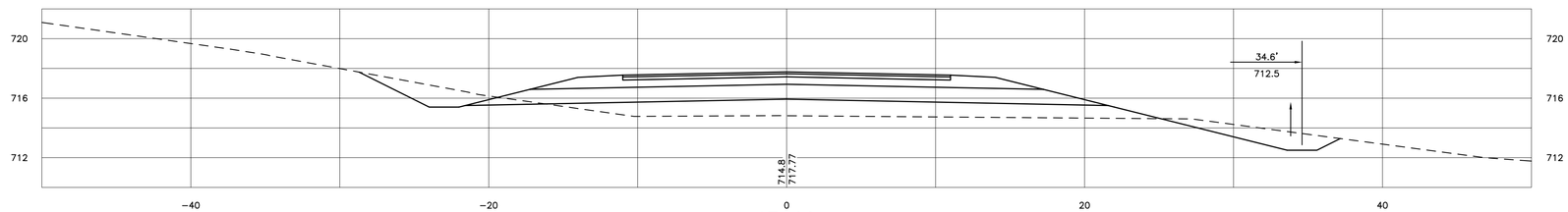

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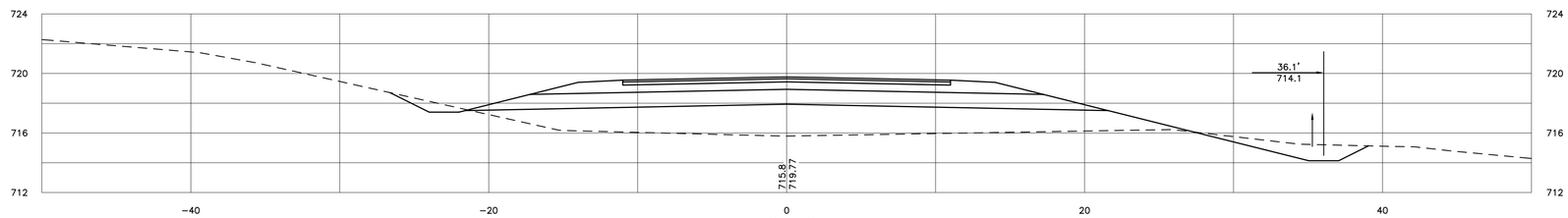

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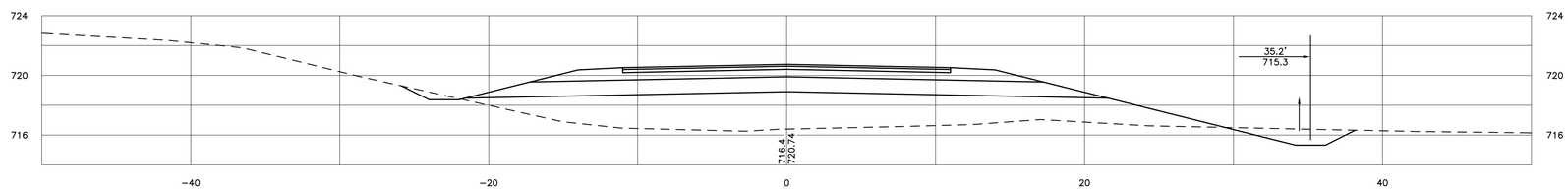

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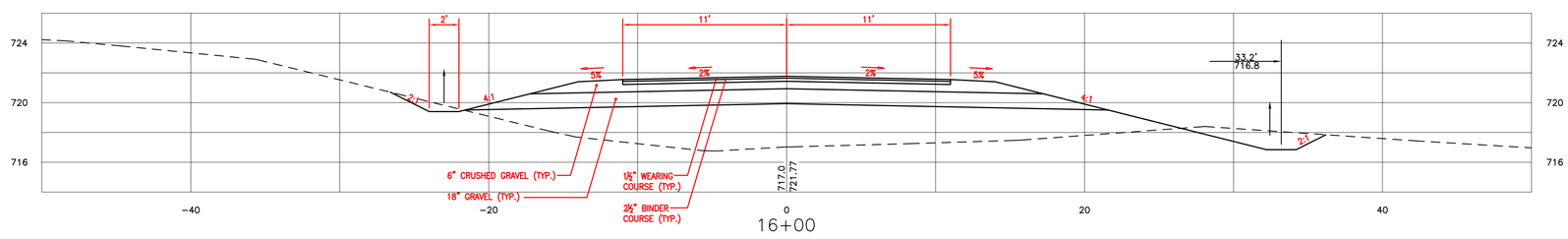

16+00

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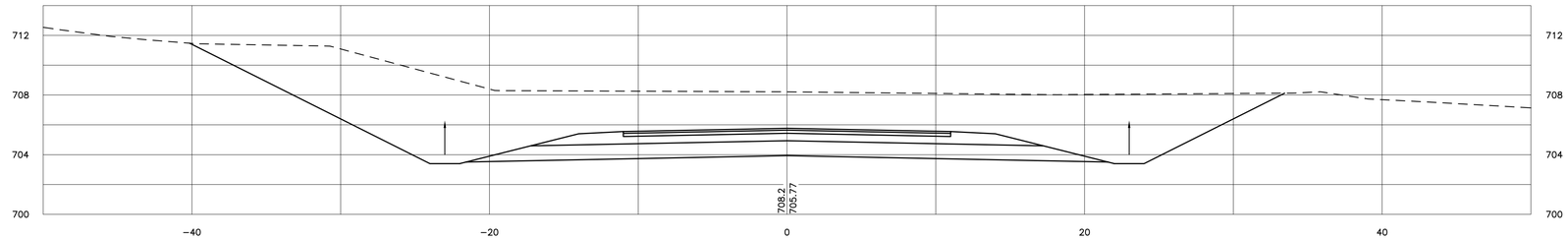

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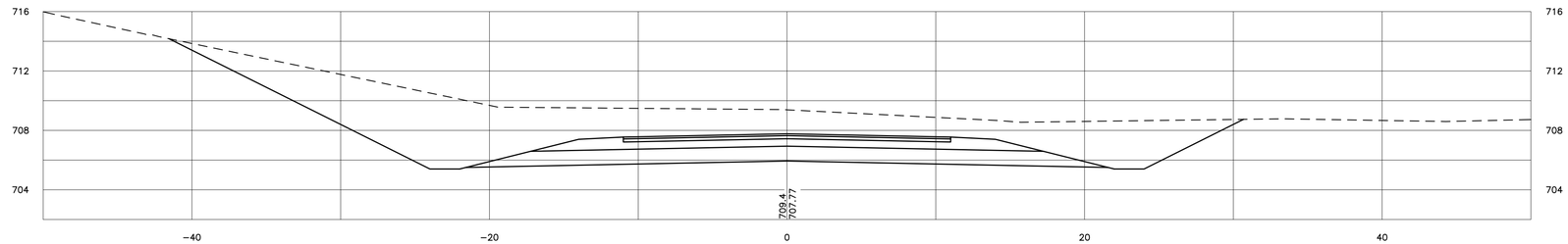

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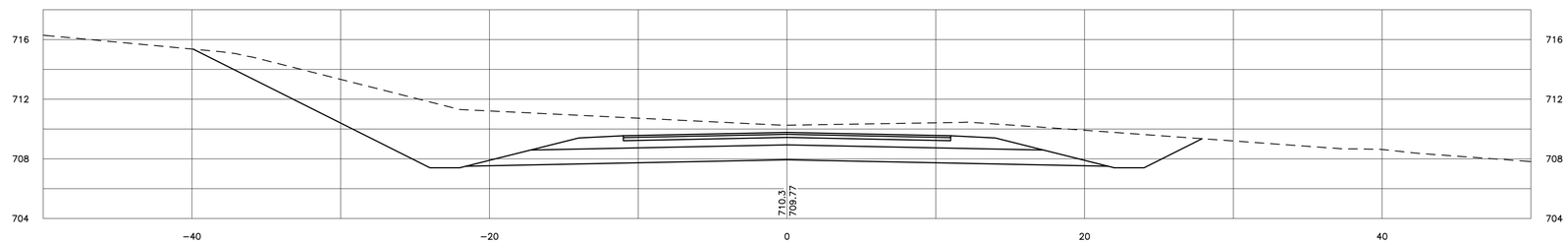

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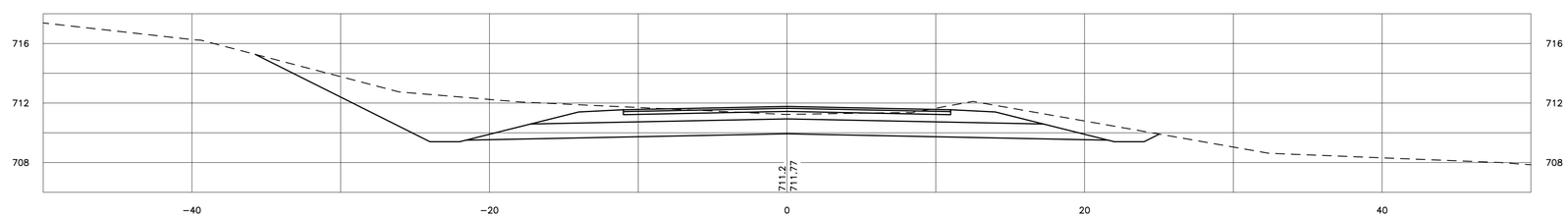

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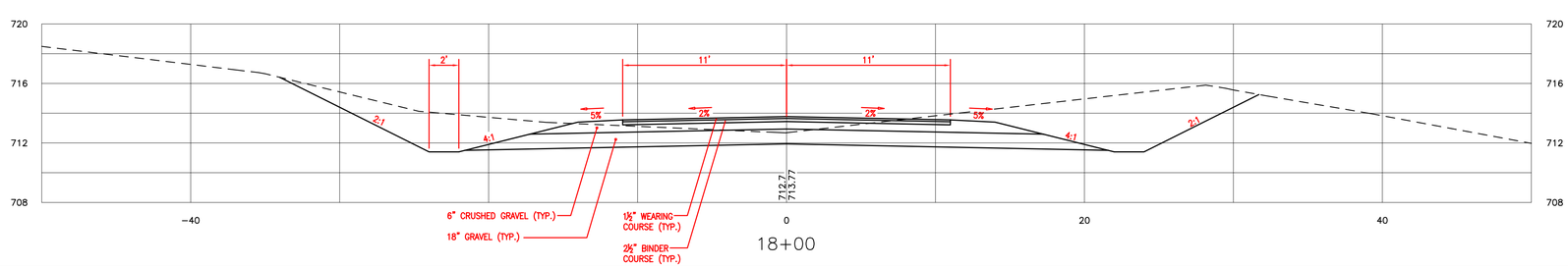

18+00

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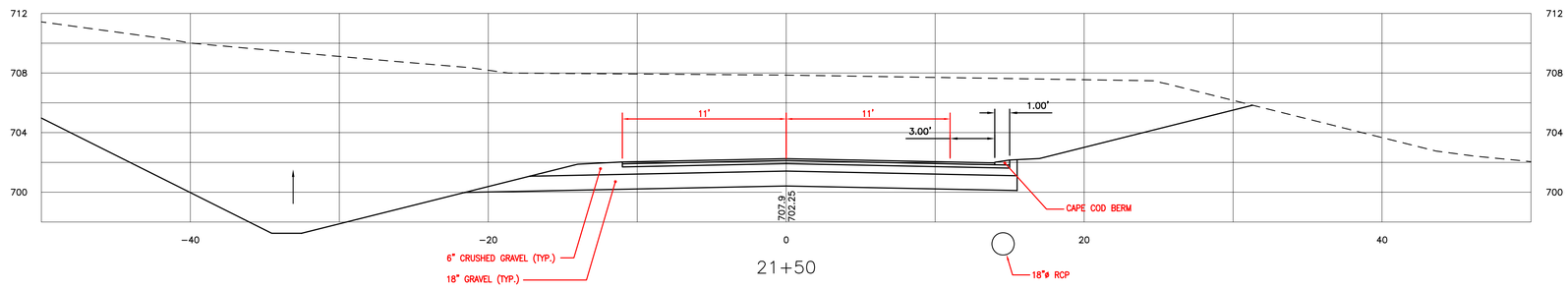
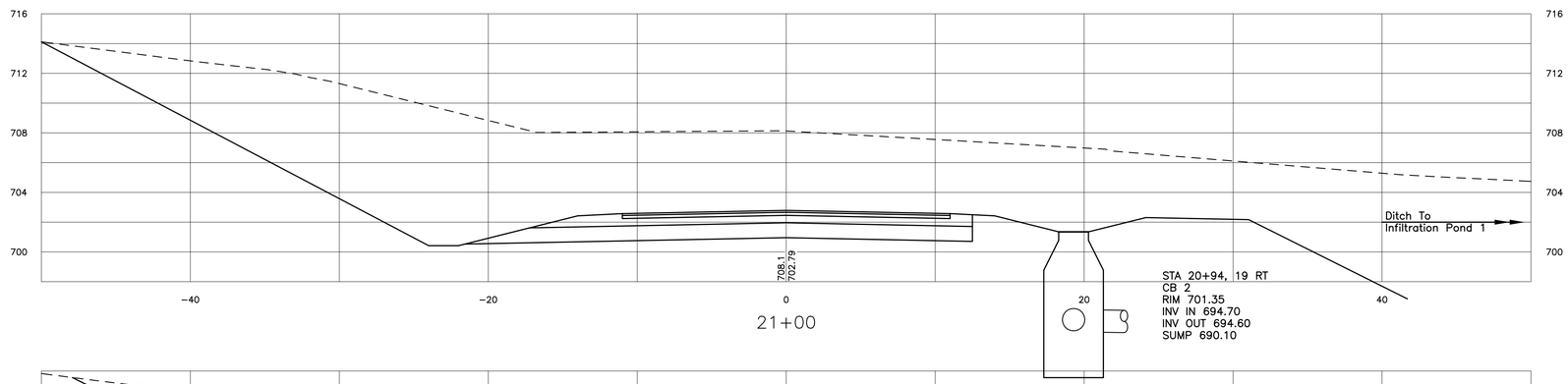


21+50

STA 21+70 TO 22+00
PAVEMENT NARROWS

STA 21+30 TO 23+80
BEGIN CAPE COD BERM

STA 21+30 TO 21+70
PAVEMENT WIDENING



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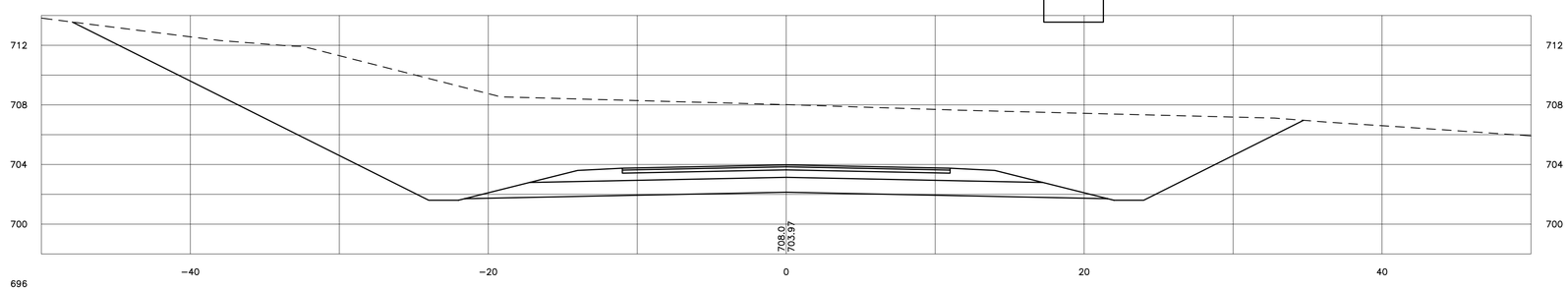

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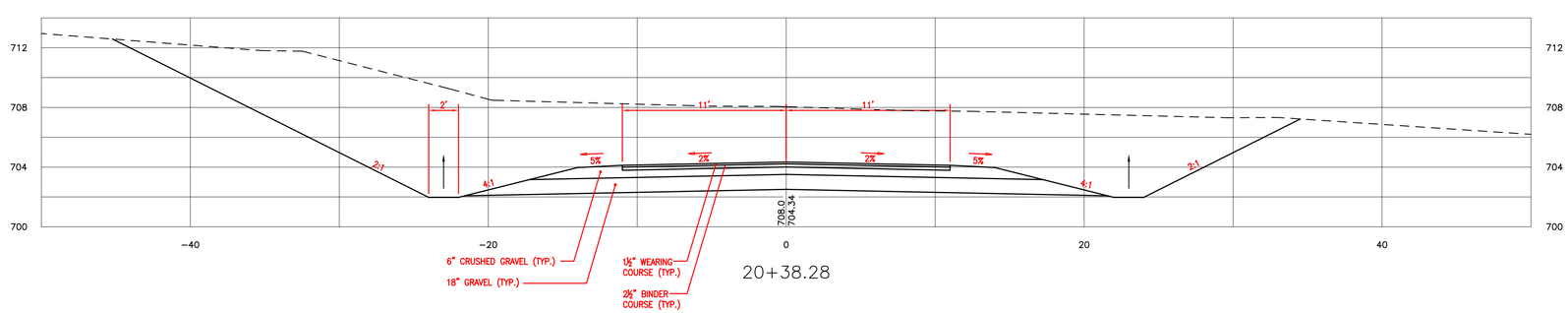

20+38.28

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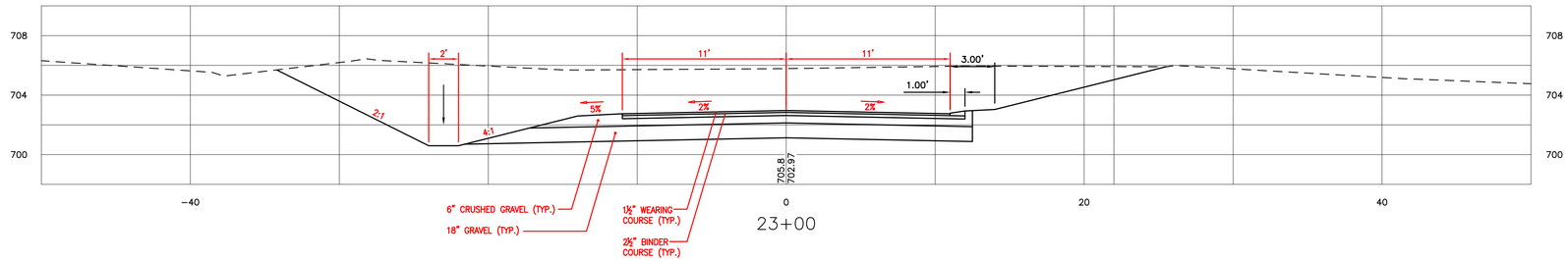

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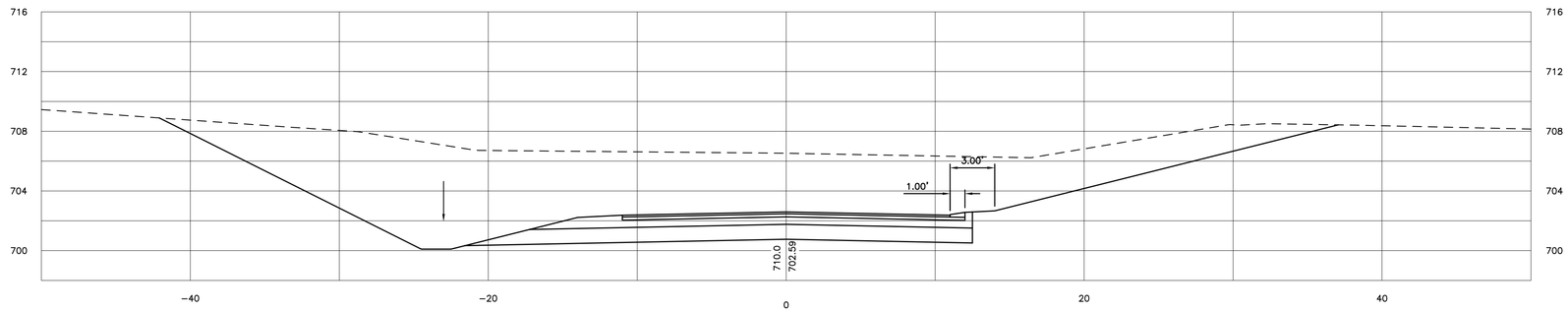

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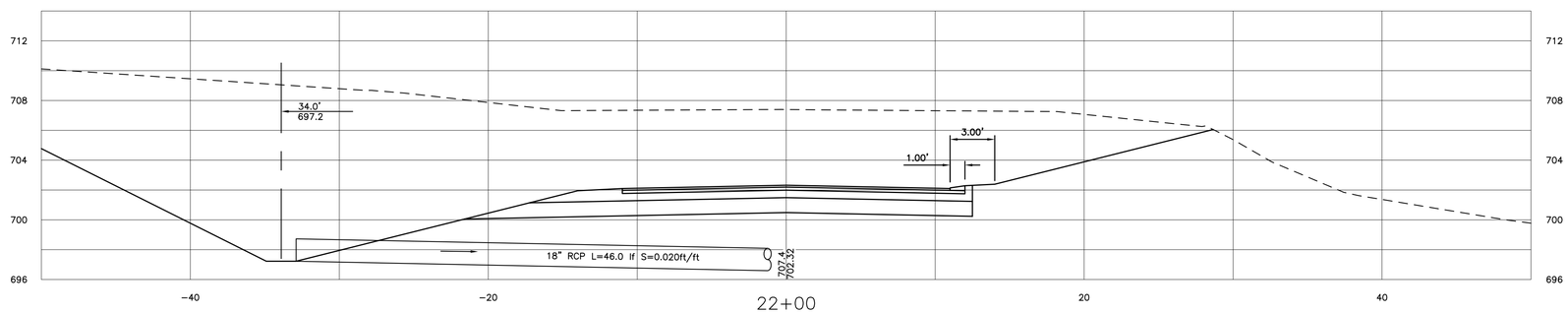

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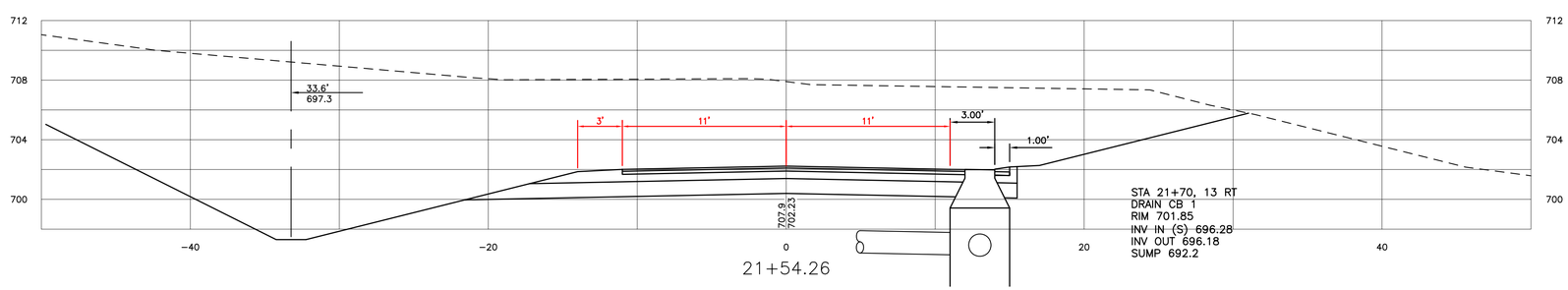

21+54.26

STA 21+70 TO 22+00
PAVEMENT NARROWING

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ROADWAY CROSS SECTIONS
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STA 24+75
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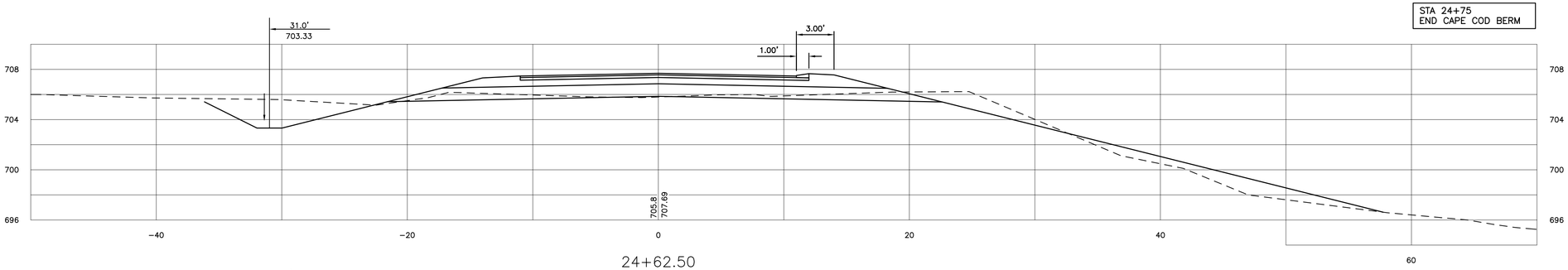

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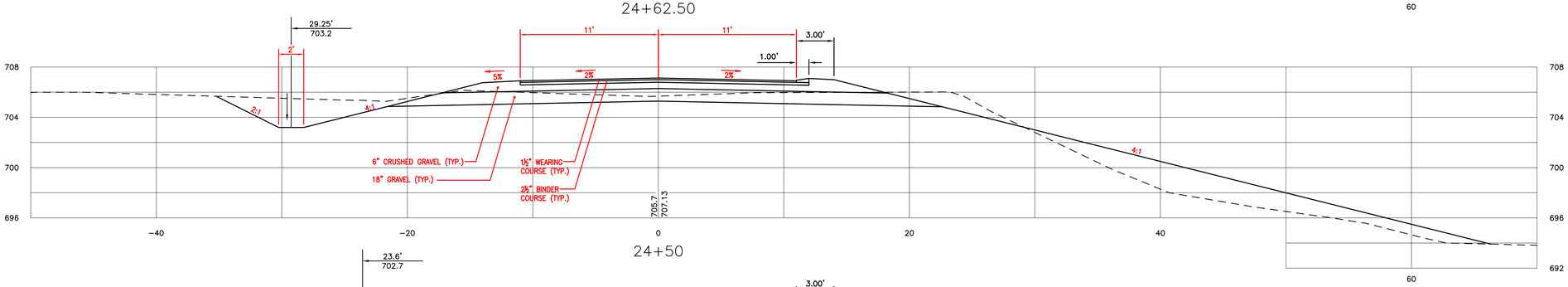

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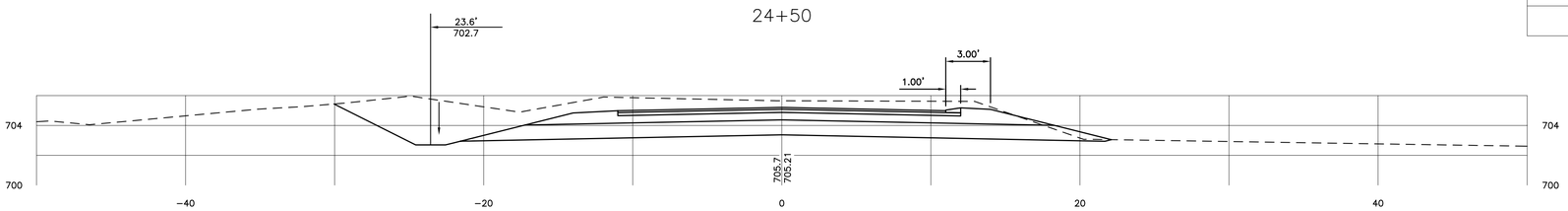

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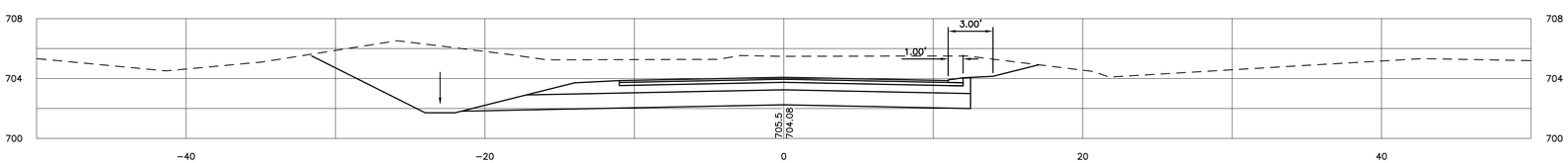

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STA 23+80
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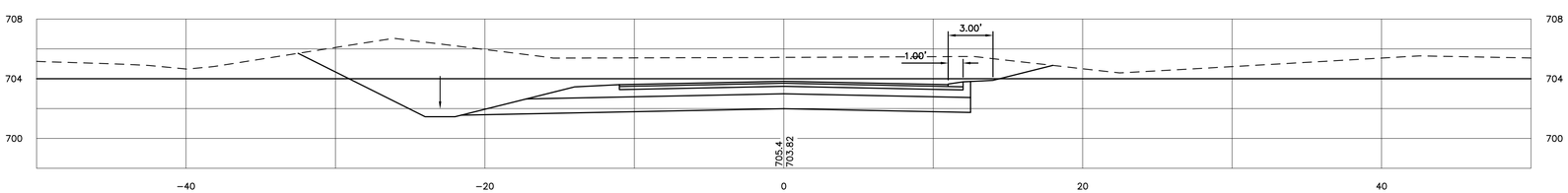

23+50

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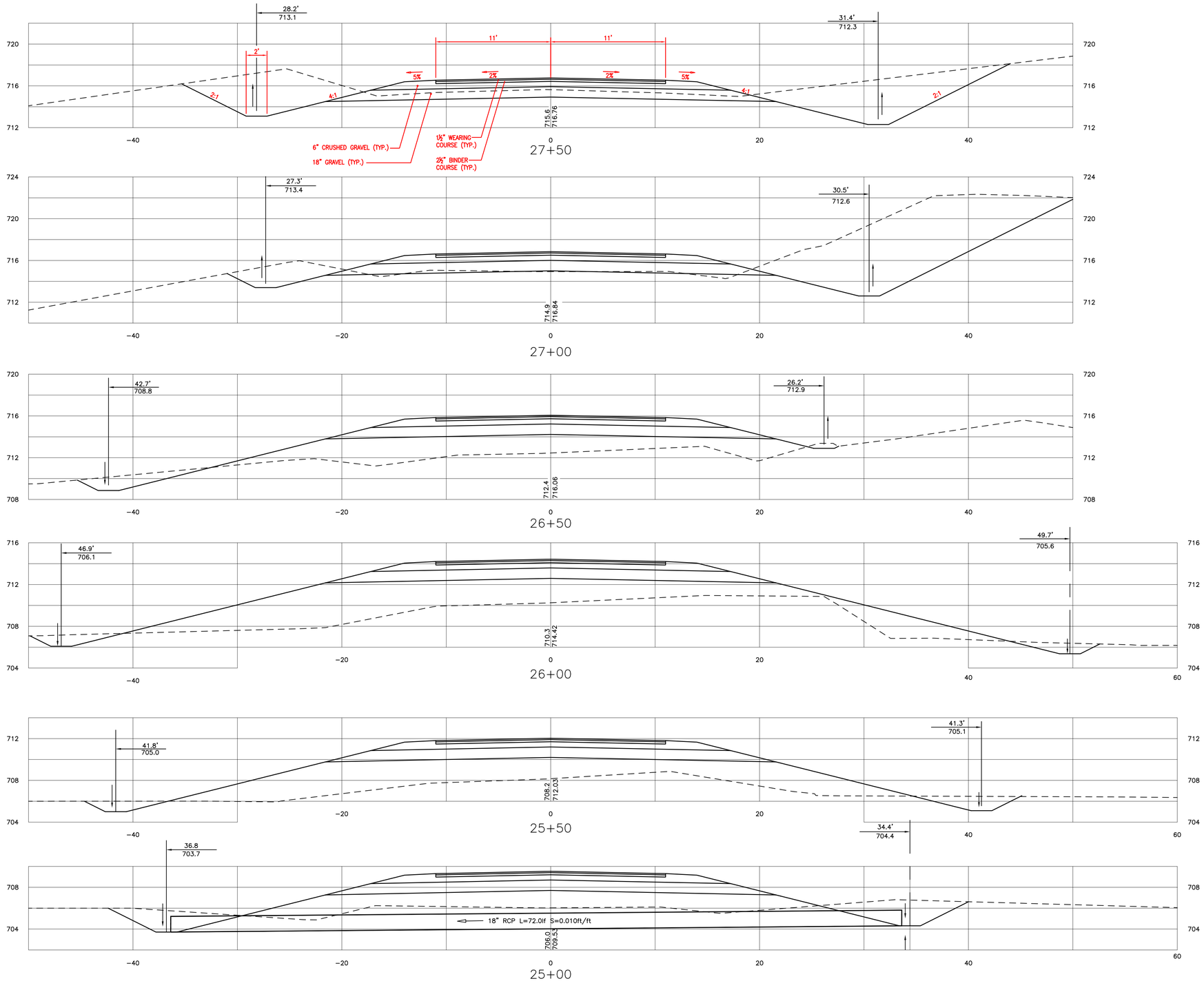

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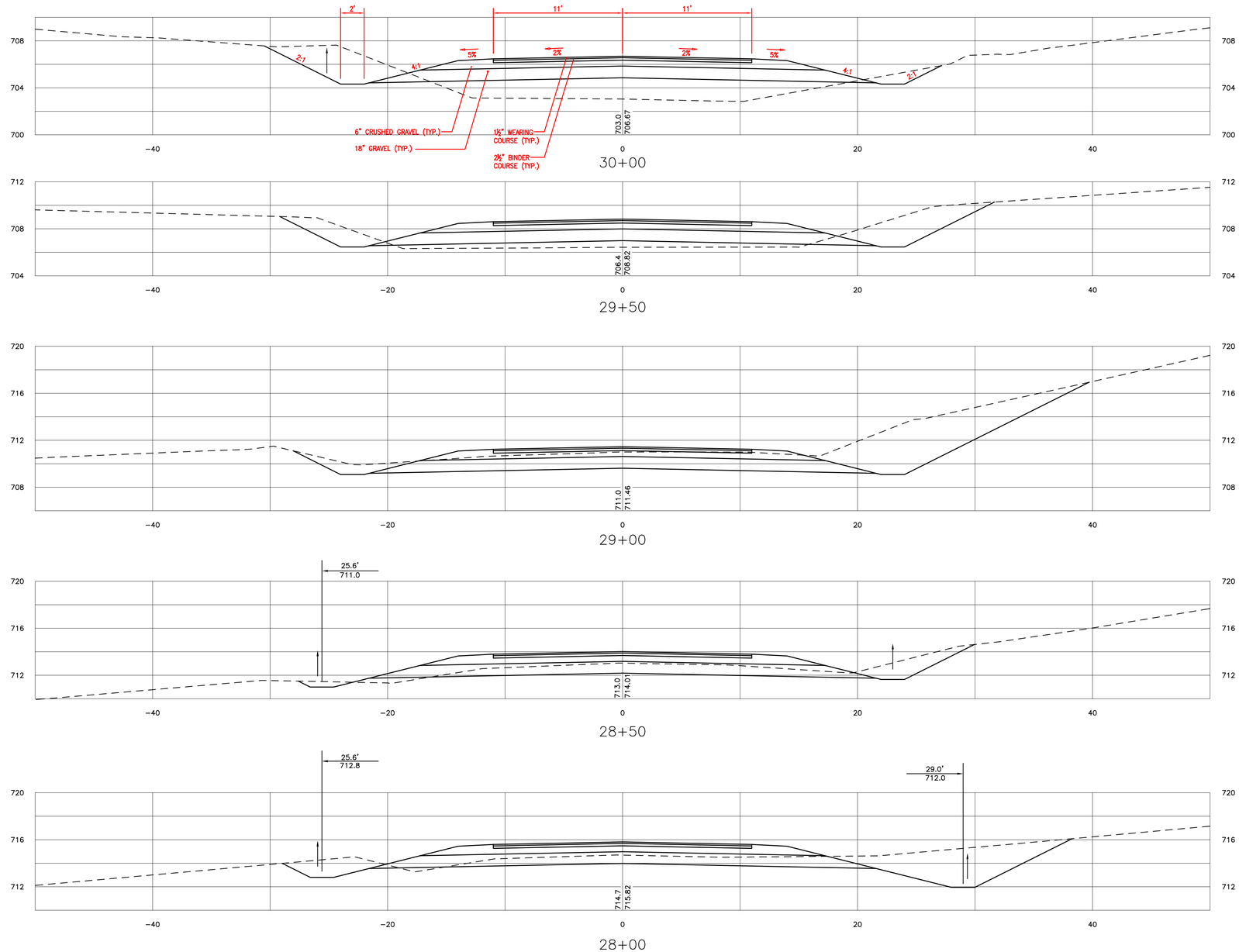

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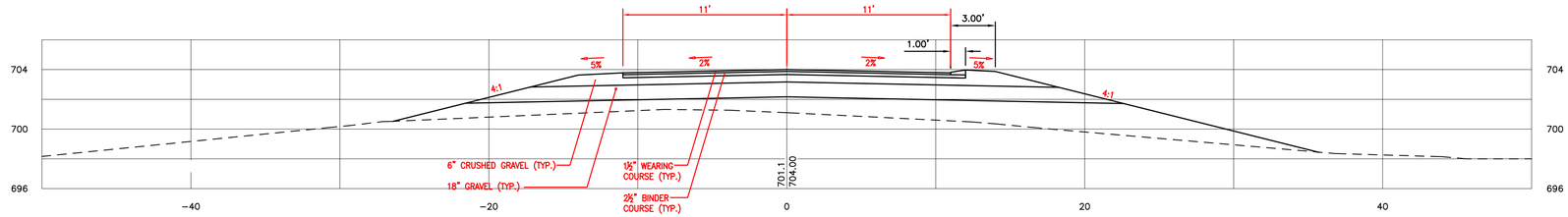

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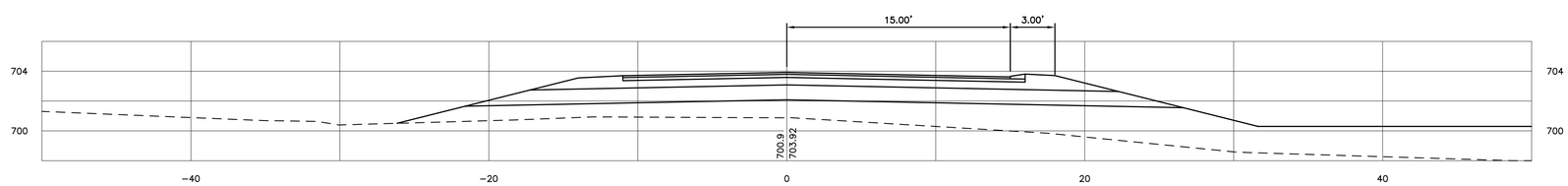
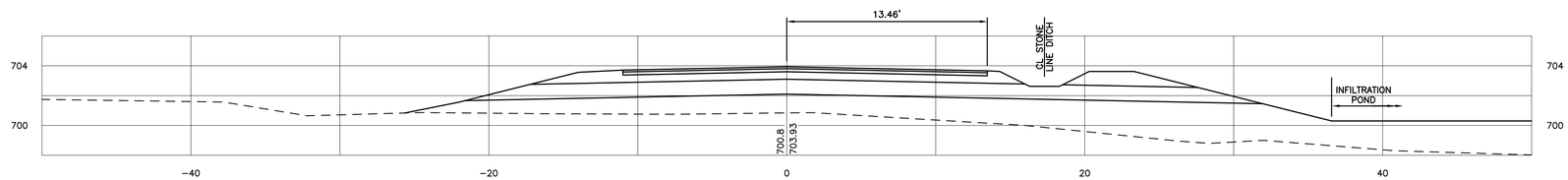


31+50

STA 31+50 TO 33+80
BEGIN CAPE COD BERM

STA 31+50 TO 31+80
PAVEMENT NARROWING



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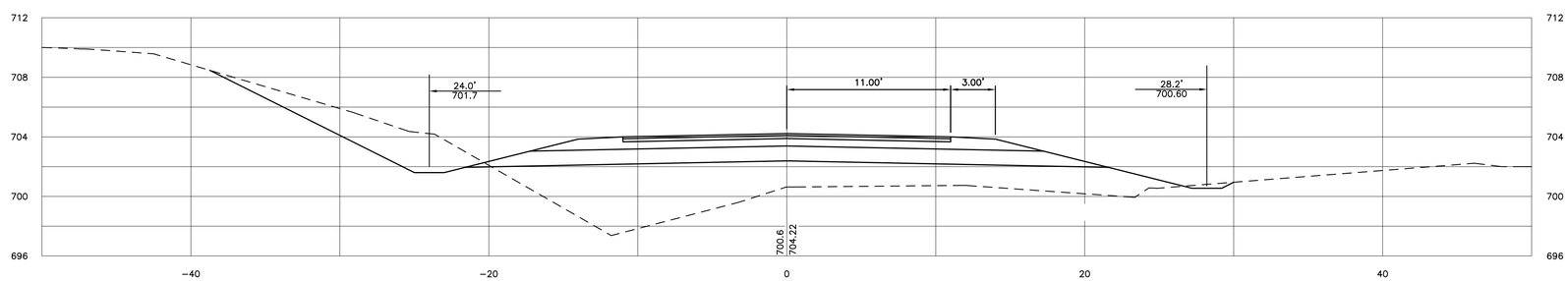
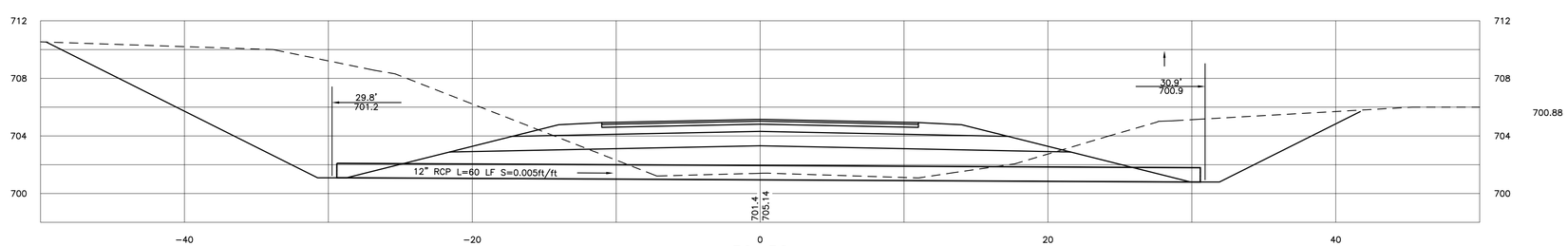


31+00

STA 31+25 TO 31+50
PAVEMENT WIDENING



30+50

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ROADWAY CROSS SECTIONS
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DATE:	DR. BY	CHK. BY
08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	LH

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Dr. By: RL Ck. By: DJ
Job No. 1020162
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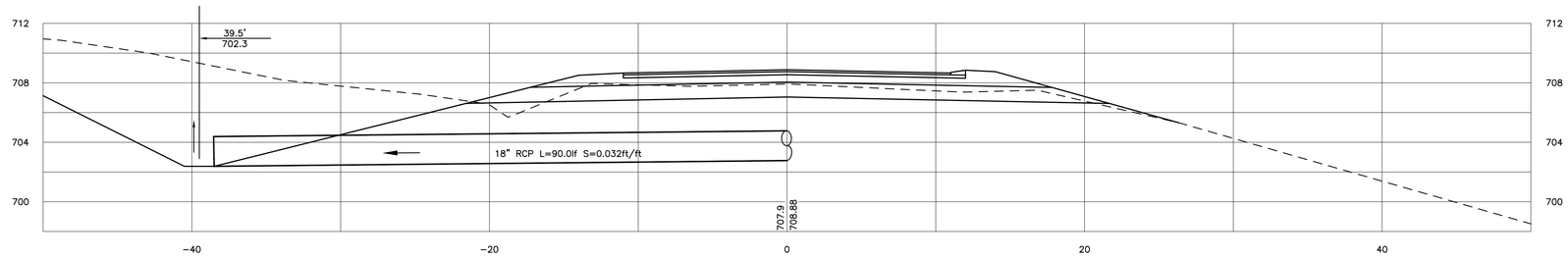

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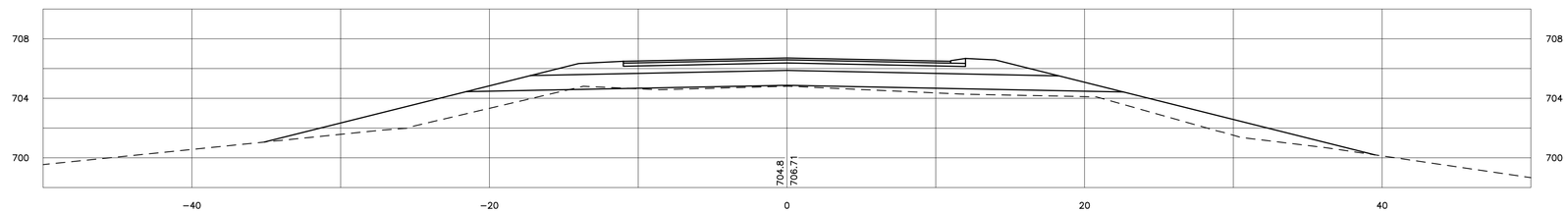
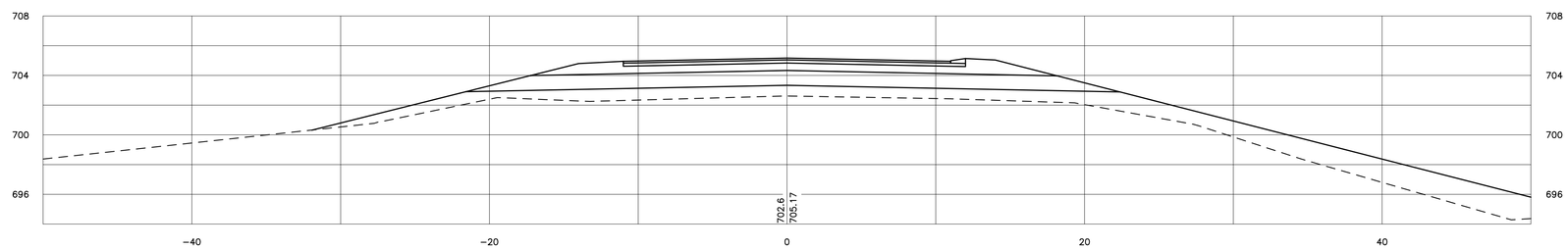
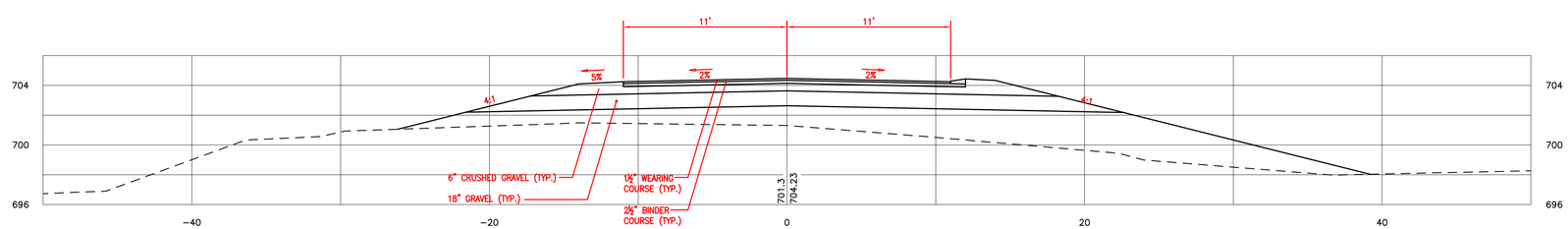


33+00



32+50



32+00

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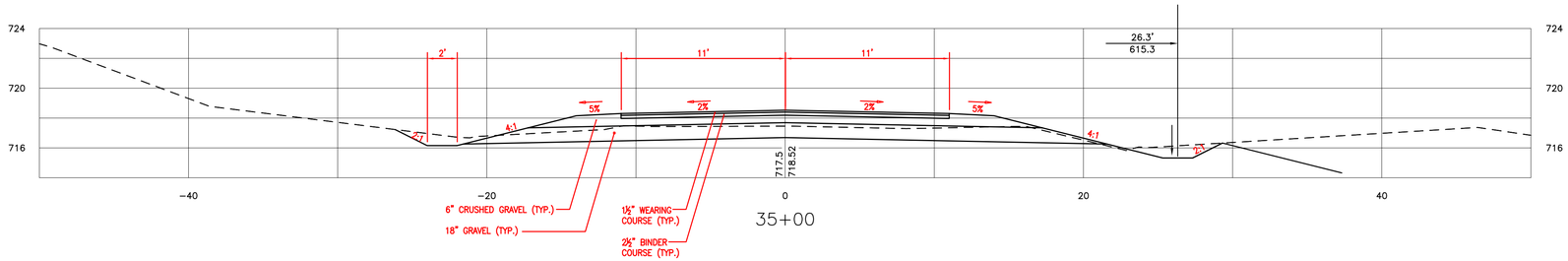

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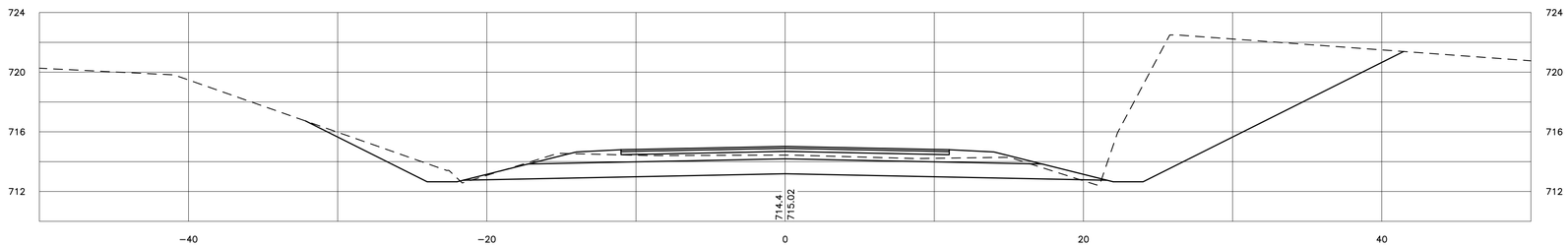

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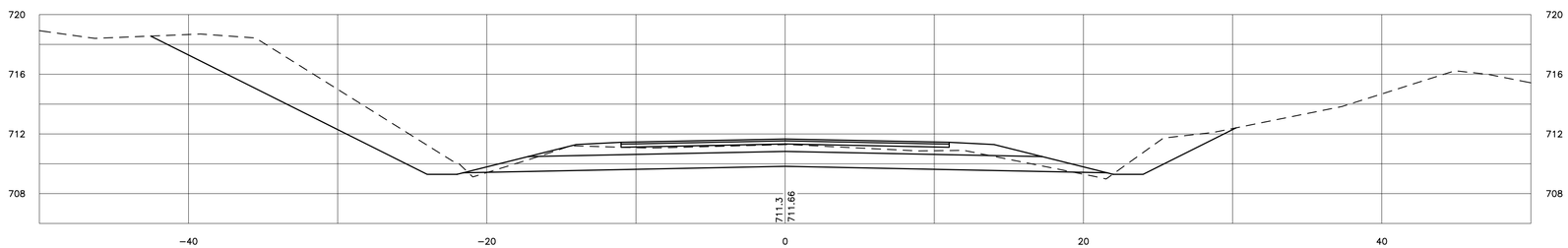

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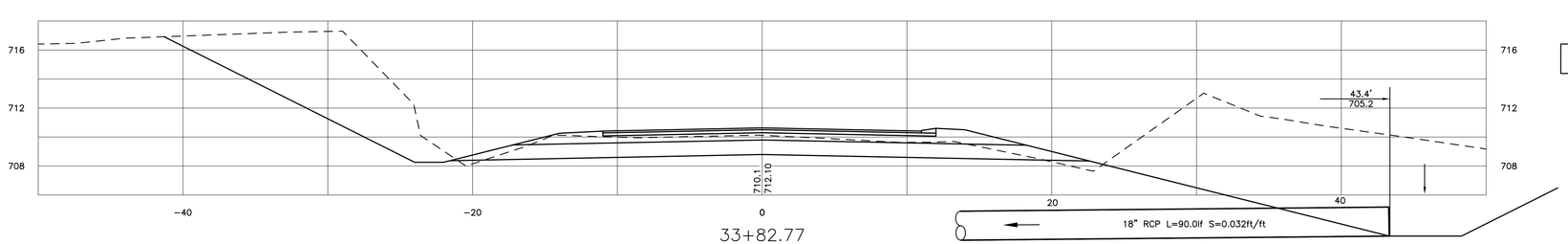

33+82.77

STA 33+80
END CAPE COD BERM

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ROADWAY CROSS SECTIONS
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

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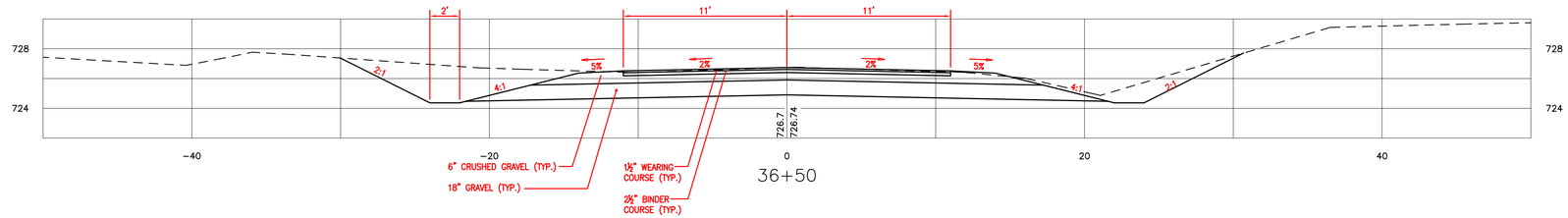
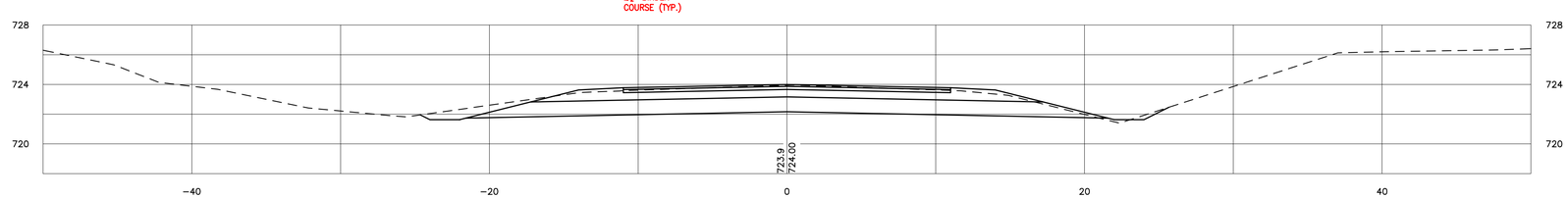
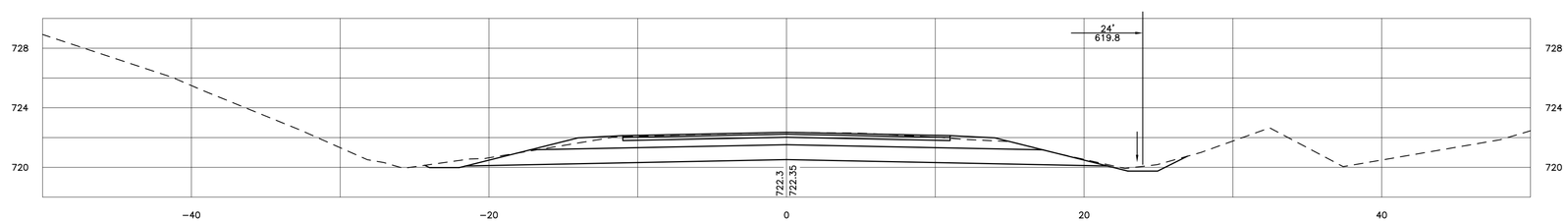


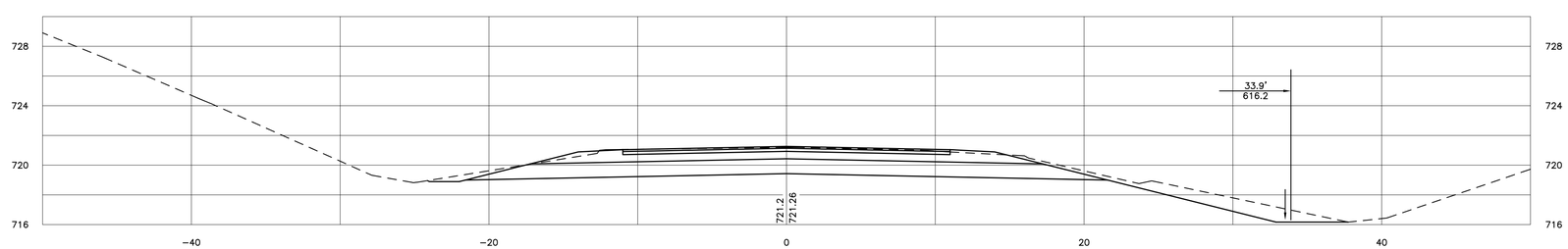
36+50



36+00



35+69.95



35+50

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Dr. By: RL Ck. By: DJ
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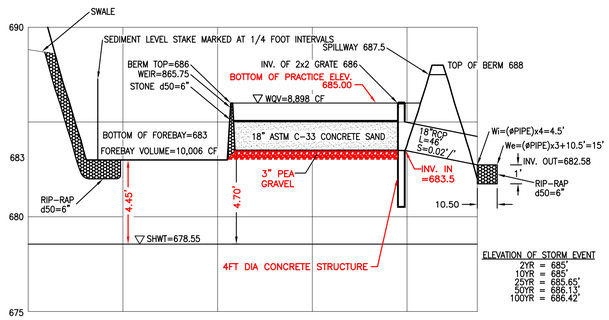
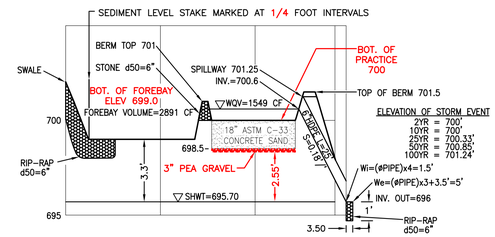


SURFACE SAND FILTER 4P PROFILE

1" = 40'



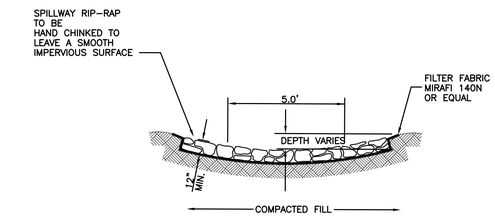
SURFACE SAND FILTER 5P PROFILE

1" = 40'

NOTES:

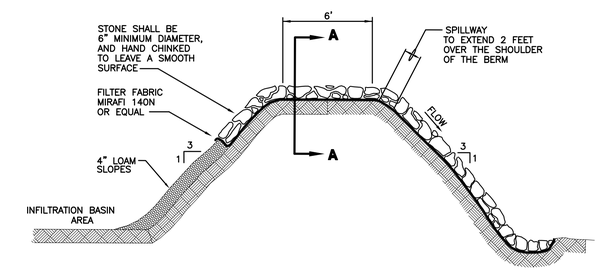
1. PROTECT SAND FILTER AREA FROM COMPACTION PRIOR TO INSTALLATION.
2. IF POSSIBLE, INSTALL SAND FILTER DURING LATER PHASES OF SITE CONSTRUCTION TO PREVENT SEDIMENTATION AND/OR DAMAGE FROM CONSTRUCTION ACTIVITY. AFTER INSTALLATION, PREVENT SEDIMENT LADEN WATER FROM ENTERING INLETS AND PIPES.
3. INSTALL AND MAINTAIN PROPER EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
4. AS NECESSARY, EXCAVATE SAND FILTER BOTTOM TO AN UNCOMPACTED SUBGRADE FREE FROM ROCKS AND DEBRIS. DO NOT COMPACT SUBGRADE. PLACE 3" PEA GRAVEL ON SUBGRADE.
5. PLACE 18" LAYER OF CONCRETE SAND (ASTM-C33). NOT TO BE COMPACTED.
6. THE SAND FILTER AREA SHALL NOT BE UTILIZED FOR TEMPORAY EROSION CONTROL.

GRASSES OF THE FESCUE FAMILY ARE RECOMMENDED FOR SEEDING PRIMARILY DUE TO THEIR ADAPTABILITY TO DRY SANDY SOILS, DROUGHT RESISTANCE, HARDINESS, AND ABILITY TO WITHSTAND BRIEF INUNDATIONS. THE USE OF FESCUES WILL ALSO PERMIT LONG INTERVALS BETWEEN MOWING. THIS IS IMPORTANT DUE TO THE RELATIVELY STEEP SLOPES, WHICH MAKE MOWING DIFFICULT. MOWING TWICE A YEAR, ONCE IN JUNE AND AGAIN IN SEPTEMBER, IS GENERALLY SATISFACTORY.



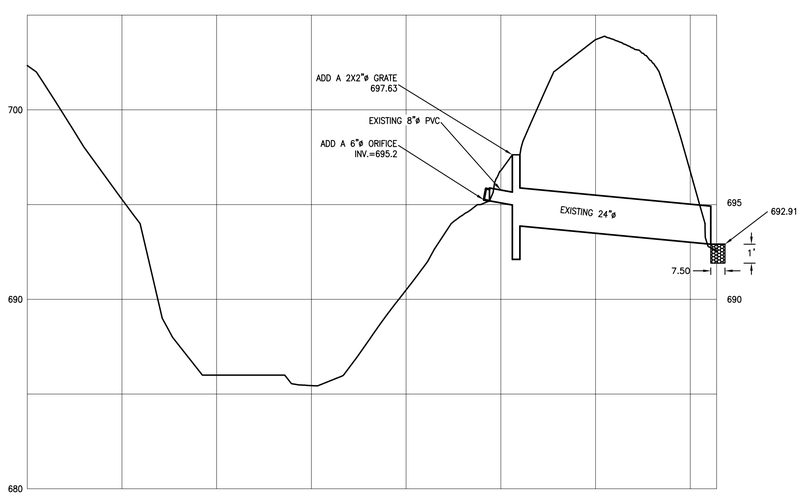
SECTION A-A

NOT TO SCALE



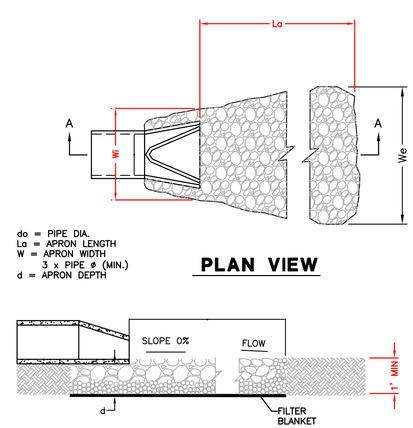
OVERFLOW SPILLWAY DETAIL - STONE

NOT TO SCALE



FIRE POND PROFILE

1" = 40'



PLAN VIEW

SECTION A-A

RIP-RAP APRON - OUTLET CHANNEL DETAIL

N.T.S.

RIPRAP CALCULATIONS FOR F.E.S. CULVERTS (25 YEAR EVENT)

OUTLET	Q CFS	Do FEET	Tw FEET	La FEET	Wi FEET	We FEET	d50 INCHES
CB2 STA 21+00	7.05	1.50	0.85	17.41	4.50	21.91	2.53
CULVERT 3P STA 33+82	1.34	1.50	0.25	11.81	4.50	16.31	0.94
CULVERT 2P STA 30+50	0.74	1.00	0.10	8.33	3.00	11.33	1.61
CULVERT 6P STA 25+00	0.57	1.50	0.70	11.06	4.50	15.56	0.11
OUTLET STRUCTURE 4P	0.00	1.50	0.10	10.50	4.50	15.00	0.00
OUTLET STRUCTURE 5P	0.00	0.5	0.10	3.50	1.50	5.00	0.00
OUTLET STRUCTURE FIRE POND	1.15	2.00	0.06	7.5	6.00	13.50	2.41
SWALE TO SAND FILTER 4P	6.76	2.00	0.25	18.30	6.00	24.30	6.10
SWALE TO SAND FILTER 5P	0.73	2.00	0.25	14.46	6.00	20.46	0.32

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INFILTRATION POND DETAILS
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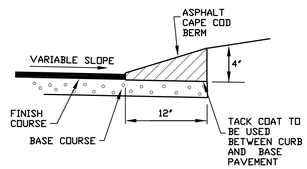
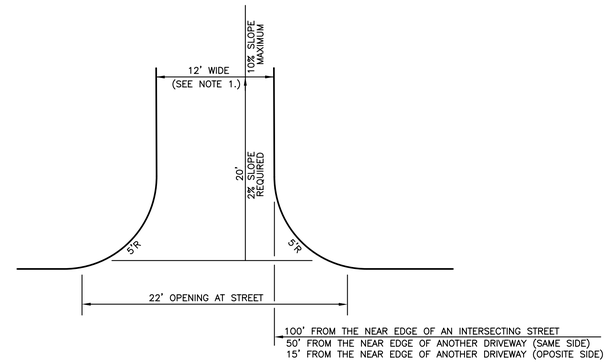


CAPE COD BERM

NOT TO SCALE

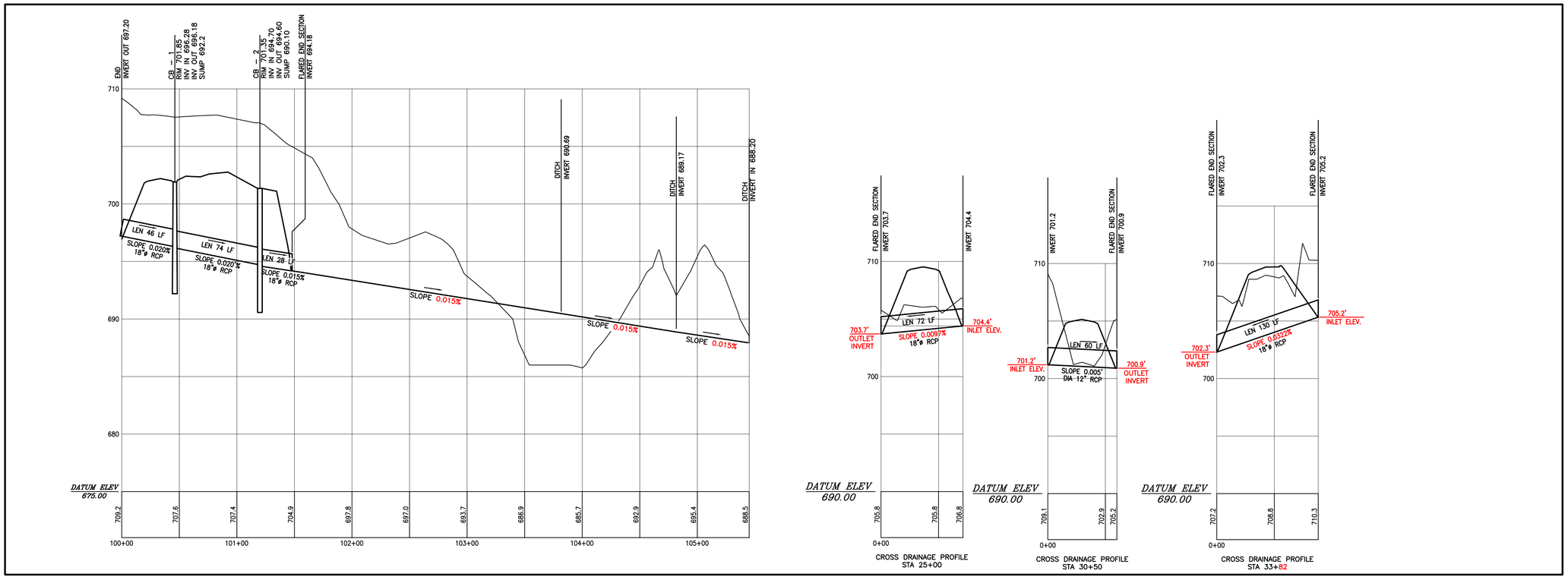


DRIVEWAY DETAIL NO CURB

NOT TO SCALE

NOTES:

1. DRIVEWAYS IN EXCESS OF 300' WILL BE CONSTRUCTED 14 FEET WIDE.
2. THE DRIVE APRON WILL BE PAVED TO THE ROW WITH A MINIMUM OF 2-INCHES OF ROADWAY BINDER ASPHALT
3. DRIVEWAY SHALL NOT INTERRUPT THE NATURAL OR CONSTRUCTED ROADWAY DITCH LINES AND/OR DRAINAGE FLOW.
4. DRIVEWAY CULVERTS SHALL BE DESIGNED TO ADEQUATELY HANDLE THE ANTICIPATED STORMWATER FLOWS WITHIN THE DITCH AND SHALL IN NO CASE BE LESS THAN (15) INCHES IN DIAMETER AND 20 FEET LONG. CULVERTS SHALL BE RCP.
5. ALL DRIVEWAY CULVERTS SHALL BE CONSTRUCTED WITH INLET AND OUTLET FLARES OR HEADWALLS.
6. ALL DRIVEWAY CULVERTS SHALL BE INSTALLED WITH ADEQUATE COVER FOR HIGHWAY LOADING (MINIMUM 12 INCHES FROM TOP OF PIPE TO DRIVEWAY SURFACE.



DRAINAGE PIPE PROFILES

HS: 1 : 50'
VS: 1 : 5'

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CONSTRUCTION DETAILS
COLLDEN FARMS SUBDIVISION
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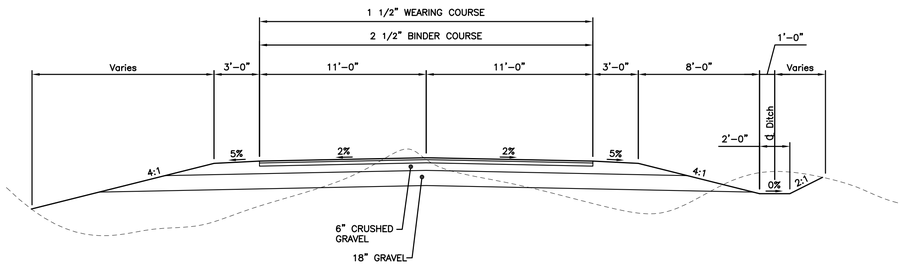
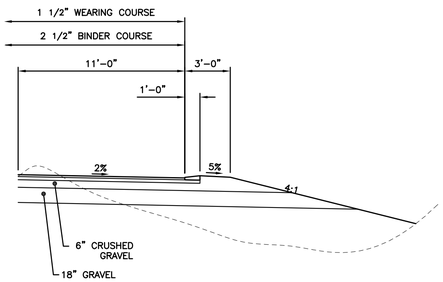
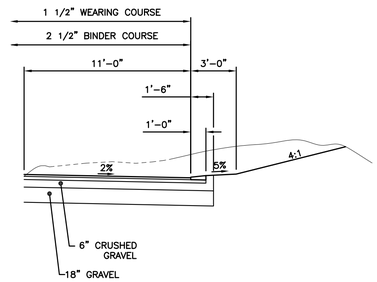


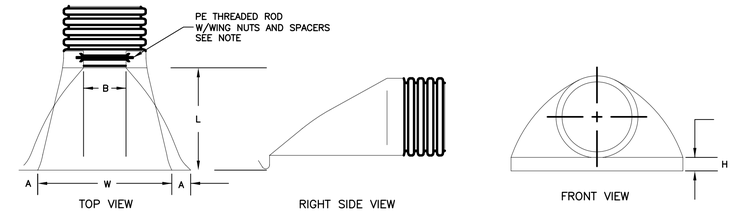
TYPICAL ROADWAY SECTION
NOT TO SCALE



ROADWAY SECTION
WITH CAPE COD BERM – FILL
STA 21+30 TO STA 23+80
STA 31+50 TO STA 33+80



ROADWAY SECTION
WITH CAPE COD BERM – CUT
STA 21+30 TO STA 23+80



NOTE: PE THREADED ROD W/WING NUTS PROVIDED FOR END SECTIONS 12"–24". 30" & 36" END SECTIONS REQUIRE TWO (2) THREADED RODS FOR ASSEMBLE.

PIPE SIZE	A	B (MAX)	H	L	W
18 IN	7.50 IN	15.00 IN	6.50 IN	32.00 IN	35.00 IN
12 IN	6.50 IN	10.00 IN	6.50 IN	25.00 IN	29.00 IN

ADS
ADVANCED DRAINAGE SYSTEMS, INC.

RCP FLARED END SECTION
NOT TO SCALE

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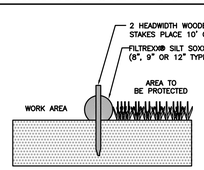
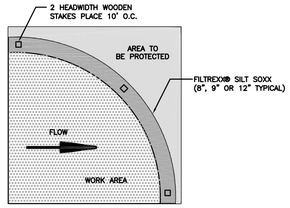
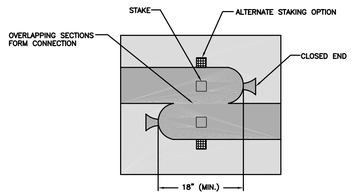
FILTREXX® SILT SOXX™

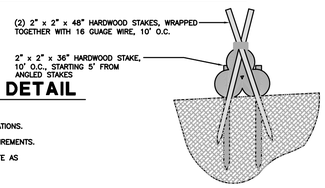




COMPOST SOCK CONNECTION DETAIL



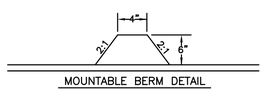
FILTREXX® PYRAMID STACKING DETAIL



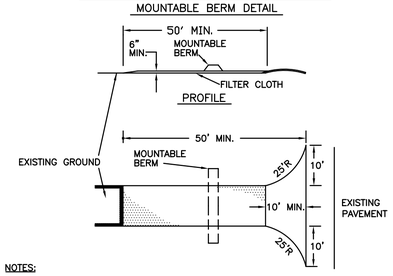
ANCHORING DETAIL

NOTES:

1. ALL MATERIALS TO MEET FILTREXX® SPECIFICATIONS.
2. SILT SOXX™ FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE AS DETERMINED BY ENGINEER.



MOUNTABLE BERM DETAIL

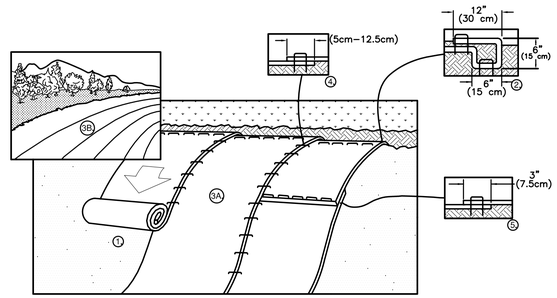


NOTES:

1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES
3. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
4. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRICTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE.
5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING 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
6. 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.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF WOODEN STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF WOODEN STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM , STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PBACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

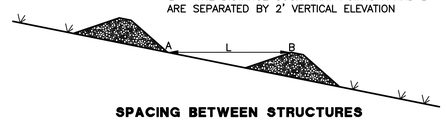
NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

NORTH AMERICAN GREEN OR APPROVED EQUAL
14649 HIGHWAY 41 NORTH, EVANSVILLE, INDIANA 47725
USA 1-800-772-2040 CANADA 1-800-448-2040
www.nagreen.com

PERMANENT REINFORCEMENT MATTING

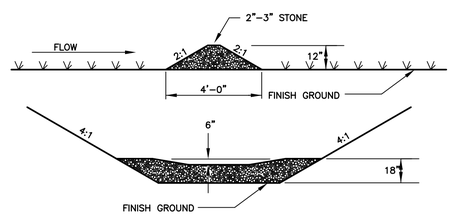
(SLOPE INSTALLATION 3:1 OR STEEPER)
NOT TO SCALE

L = THE DISTANCE SUCH THAT POINTS A AND B ARE SEPARATED BY 2' VERTICAL ELEVATION



SPACING BETWEEN STRUCTURES

NOT TO SCALE



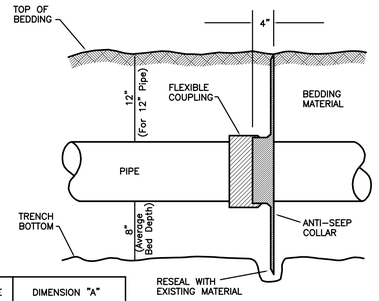
SOURCE: VIRGINIA SOIL AND WATER CONSERVATION COMMISSION

NOTES:

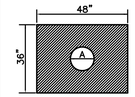
1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 2 TO 4 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES
3. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
4. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE.
5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING 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
6. 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.

TEMPORARY & PERMANENT ROCK DAM DETAIL

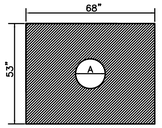
NOT TO SCALE



PIPE SIZE	DIMENSION "A"
4"	9.50"
6"	9.50"
8"	9.50"
10"	13.50"
12"	13.50"
15"	17.65"
16"	17.65"
18"	21.50"



FOR 4"-12" PIPE

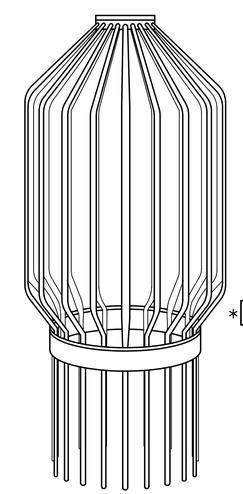


FOR 15"-18" PIPE

ANTI-SEEP COLLAR BY E.J. PRESCOTT OR APPROVED EQUAL

INSTALLATION PROCEDURES:

1. MEASURE THE DISTANCE BETWEEN THE LASER POINT & THE TRENCH BOTTOM.
2. COMPARE THE DISTANCE WITH THE DISTANCE BETWEEN THE TARGET POINT AND THE BOTTOM OF THE COLLAR. DIG A TRENCH APPROXIMATELY THREE FEET FROM THE PRECEEDING BELL TO ACCOMIDATE THE BOTTOM OF THE COLLAR.
3. WITH THE NECK OF THE COLLAR FACING UPSTREAM, PUT THE COLLAR INTO THE HAND-DUG TRENCH.
4. CENTER THE COLLAR OPENING INTO THE CORRECT POSITION USING THE LASER & SNAP THE EDGE INTO THE TRENCH SIDE WALLS. THE COLLAR OPENING MUST BE LOCATED BEFORE BACKFILLING BEGINS.
5. PLACE BEDDING MATERIAL ON BOTH SIDES OF THE COLLAR.
6. SLIDE THE FLEXIBLE COUPLING SUPPLIED, OVER THE PIPE TO BE INSTALLED. SLIDE THE PIPE THROUGH THE COLLAR OPENING AND BELL AS USUAL. SLIDE THE FLEXIBLE COUPLING OVER THE COLLAR NECK AND TIGHTEN.
7. SET THE PIPE TO LINE AND GRADE AND BACKFILL.



BAR GUARD SIZE	BAR DIAMETER	BAR SPACING	OVERALL O.D.	OVERALL HEIGHT
4"	1/4"	1 1/8"	5 1/2"	17 3/8"
5"	1/4"	1 1/8"	6 1/2"	17 3/4"
6"	1/4"	1 1/8"	7 1/2"	18"
8"	1/4"	1 1/8"	9 1/2"	19 1/8"
8" H	1/4"	1 1/8"	9 7/8"	19 1/2"
10"	1/4"	1 1/8"	11 1/2"	20"
10" H	1/4"	1 1/8"	12 1/4"	20 3/8"
12"	1/4"	1 1/8"	13 1/2"	21 1/8"
12" H	1/4"	1 1/8"	15 7/8"	22"
15"	5/16"	1 1/2"	16 1/2"	22 1/8"
18"	5/16"	1 1/2"	19 1/2"	23 1/2"
* 24"	5/16"	2"	25 1/2"	26 1/2" *
30"	5/16"	2"	31 1/2"	31"
36"	5/16"	2"	37 1/2"	33 1/8"
42"	3/8"	2 3/4"	43 1/2"	35 3/4"
48"	3/8"	3 1/8"	49 1/2"	36"

24"-30" BAR GUARDS ARE IN 2 PIECES.
36" ARE IN 3 PIECES, 42" & 48" ARE IN 4 PIECES.
(BOLTS, WASHERS, AND NUTS ARE INCLUDED)

BAR GUARDS

ELIMINATE PLUGGED INLETS WITH BAR GUARD INTAKES

1. FIGHTS TRASH TO KEEP INTAKES FLOWING FREELY.
2. THE BAR GUARD INTAKE IS AN EXCELLENT CHOICE IN ANY SITUATION WHERE A LOW PROFILE, HIGH CAPACITY INTAKE IS REQUIRED.
3. ITS UNIQUE DESIGN HELPS KEEP INTAKES FROM PLUGGING WITH CROP RESIDUE, OR ANY TYPE OF TRASH.
4. THE BAR GUARD MAY ALSO PROTECT A POND TUBE FROM RODENT ENTRY.
5. YELLOW POWDER COATED FINISH RESISTS CORROSION AND IS BRIGHTER FOR BETTER VISIBILITY.

HOLDEN ENGINEERING & SURVEYING, inc.
56 Old Suncook Road - Unit #4
PO Box 480 Concord, N.H. 03302
(603) 225-6449
9 Constitution Drive
Bedford, N.H. 03110
(603) 472-2078

CONSTRUCTION DETAILS
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DATE:	DR. BY	CHK. BY
08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	LH

BOOK | PAGE

Date: 01-14-2015
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Dr. By: RL Ck. By: DJ
Job No. 1020162
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CONSTRUCTION SEQUENCES:

1. PRIOR TO CONSTRUCTION INSTALL FABRIC SILTATION FENCING ALONG THE LOW SIDE OF THE SITE. CONSTRUCT TEMPORARY STABILIZED ENTRANCE, AND INSTALL OTHER APPROPRIATE SEDIMENT AND EROSION CONTROL.
2. CUT AND CLEAR ALL VEGETATION AND STUMPS FROM CUT SLOPES, PONDS, AND SWALE AREAS.
3. REMOVE TOPSOIL AND OTHER ORGANIC MATERIALS FROM AREAS TO BE DISTURBED. ALL SUCH TOPSOIL REMOVED SHALL BE STOCKPILED FOR LATER USE. ALL STOCKPILES SHALL BE SEEDED AND MULCHED TO PREVENT LOSS DUE TO EROSION, AND ENCIRCLED WITH FABRIC SILT FENCE. WHEN CONSTRUCTION ACTIVITIES ARE TEMPORARILY CEASED FOR MORE THAN 21 DAYS, PERMANENTLY CEASED, OR SHUT DOWN FOR WINTER, THE CONTRACTOR SHALL LEAVE NO SLOPES STEEPER THAN 2;1 AND SHALL IMPLEMENT TEMPORARY LOAMING, SEEDING AND MULCHING. WHERE CONSTRUCTION ACTIVITIES HAVE BEEN SUSPENDED OUTSIDE THE GROWING SEASON ALL EXPOSED SOIL SHALL BE STABILIZED BY MULCHING, AND ALL SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH NETTING & PINNING.
4. COMPLETE EXCAVATION AND BERM CONSTRUCTION OF THE DETENTION BASIN AND STABILIZED SLOPES, CONSTRUCT SWALES.
5. ALLOW FOR VEGETATION STABILIZATION TO OCCUR WITHIN THE SWALES PRIOR TO DIRECTING STORM WATER INTO THE SWALES. AN AREA SHALL BE CONSIDERED STABILE IF ONE OF THE FOLLOWING HAS OCCURRED:
   A.) BASE COURSE GRAVELS HAVE BEEN 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.
6. CUT AND CLEAR ALL VEGETATION AND STUMPS FROM AREAS TO BE DISTURBED FOR THE CONSTRUCTION OF THE ROADWAY AND DRIVES.
7. CONSTRUCT, CUT, AND FILL SLOPES. ALL CUT AND FILL SLOPES TO BE STABILIZED IMMEDIATELY AFTER CONSTRUCTION. ALL SLOPES GREATER THAN 3:1 TO BE STABILIZED WITH JUTE MATTING. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND LOAMED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
8. CONSTRUCT STORM DRAINAGE, AND OTHER UNDERGROUND UTILITIES. ALL SWALES TO BE PROTECTED WITH TEMPORARY EROSION CONTROL MEASURES SHOWN.
9. BEGIN TOP SOILING, SEEDING AND MULCHING IMMEDIATELY AFTER COMPLETION OF EMBANKMENTS. TEMPORARY EROSION CONTROL / DIVERSION CHANNELS SHALL BE IMPLEMENTED WHERE REQUIRED TO PREVENT EROSION OF EMBANKMENTS. ANY EROSION OCCURRING SHALL BE REPAIRED IMMEDIATELY UPON DISCOVERY.
10. FINISH GRADING & PAVING. ALL ROADWAYS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADES.
11. ALL PAVED AREAS TO BE COMPLETED BY NOVEMBER 15. ALL LANDSCAPED AREAS TO BE STABILIZED BY OCTOBER 15th, WITH HAY MULCH AND SEED.
12. COMPLETE PERMANENT SEEDING AND MULCHING OF ALL DISTURBED AREAS. ALL TEMPORARY EROSION CONTROL MEASURES TO REMAIN IN PLACE UNTIL A FULL VEGETATIVE COVER HAS BEEN ESTABLISHED ON ALL DISTURBED AREAS.
13. SILT FENCES AND HAY BALE BARRIERS TO BE REMOVED ONCE THE SITE HAS STABILIZED.
14. REMOVE ACCUMULATIONS OF SEDIMENT FROM DRAINAGE STRUCTURES, INFILTRATION PONDS TO BE CLEANED OUT, LOAMED & MATTED AS NECESSARY UPON COMPLETION OF PROJECT.
15. BASE LAYER OF ALL INFILTRATION BASINS ARE TO BE DEEPLY TILLED TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG. STORM WATER FLOWS ARE NOT TO BE DIRECTED TO THE INFILTRATION AREAS UNTIL CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
16. THE MAXIMUM AMOUNT OF AREA ALLOWED TO BE DISTURBED & UNSTABILIZED AT ONE TIME IS 5 ACRES. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS FROM INITIAL DISTURBANCE.
17. WINTER CONSTRUCTION NOTES:
   A.) DURING WINTER CONDITIONS, THE MAXIMUM ALLOWABLE DISTURBED AREA SHALL BE 0.5 ACRES.
   B.) ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MAXIMUM 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 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
   C.) ALL DITCHES AND SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15th, OR WHICH ARE DISTURBED AFTER OCTOBER 15th, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
   D.) AFTER NOVEMBER 15th, INCOMPLETE ROAD SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER N.H.D.O.T. ITEM 304.3.
18. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
   A.) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
   B.) A MINIMUM OF 85% VEGETATIVE GROWTH HAS BEEN ESTABLISHED;
   C.) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
   D.) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
19. THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
20. LOT DISTURNBANCE , OTHER THAN THAT SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE UNTIL AFTER THE ROADWAY BASE COURSE TO DESIGN ELEVATION AND ASSOCIATED DRAINIAGE IS COMPLETE & STABLE.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS

1. ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE
2. ALL VEHICLE REFUELING, OILING AND / OR GREASING, SHALL BE CONFINED TO THE VEHICLE MAINTENANCE PAD (CONSTRUCTION DETAIL SHOWN ON THIS PLAN), THROUGHOUT THE DURATION OF EARTH EXCAVATION AND PIT RESTORATION OPERATIONS.
3. SHOULD ANY FUEL, HYDRAULIC OIL OR ENGINE OIL SPILL OCCUR:
   a.) THE PLASTIC ON THE LOWER SIDE OF THE PAD SHALL BE SWIVELED UP AGAINST THE SAND SLOPE AND STABILIZED IN THAT POSITION.
   b.) ANY CONTAMINATED SOILS SHALL BE HAULED OFF-SITE AND DISPOSED OF BY AND THROUGH A STATE APPROVED HAZARDOUS MATERIAL DISPOSAL CONTRACTOR.
4. PLASTIC AREAS EXPOSED TO SUNLIGHT SHOULD BE CHECKED EVERY TWO MONTHS FOR U.V. DETERIORATION. SHOULD THE PLASTIC BECOME BRITTLE, THE PAD SHALL BE UNDERLAIN WITH NEW PLASTIC.
5. IN THE EVENT OF A LARGE SPILL (25 GALLONS OR MORE) CONTACT THE TO STATE OF NEW HAMPSHIRE D.E.S. HAZARDOUS WASTE @ (603) 271-2942 FOR EVALUATION.
6. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. REFUELING BARRELS SHOULD BE PLACED WITHIN A CONTAINMENT WALL OR BERM.
7. ASPHALT PRODUCTS USED ONSITE WILL BE APPLIED AND STORED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS

FERTILIZERS

1. FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER
2. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER
3. STORAGE WILL BE IN A COVERED SHED.
4. THE CONTENTS OF PARTIALLY USED BAGS WILL BE TRANSFERRED TO SEALABLE BAGS.

PAINTS

1. ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE.
2. EXCESS PAINT AND CLEANING MATERIALS WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

1. CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

NON STORM WATER DISCHARGES

THE FOLLOWING NON STORM DISCHARGES WILL ACCRUE FROM THE SITE DURING CONSTRUCTION AND WILL BE PROPERLY TREATED PRIOR TO DISCHARGE.

1. WATER FROM WATER LINE FLUSHING
2. PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).
3. UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION)

EROSION CONTROL INSPECTION AND MAINTENANCE NOTES:

1. ALL TEMPORARY EROSION CONTROL MEASURES TO BE INSPECTED WEEKLY, AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER. OR MORE FREQUENTLY AS REQUIRED. A DETAILED MAINTENANCE INSPECTION REPORT SHALL BE FILLED OUT AT THE TIME OF EACH INSPECTION BY A COMPETENT INDIVIDUAL APPOINTED BY THE SITE SUPERINTENDENT OR OWNER. THE INSPECTOR WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT. COPIES OF THE WEEKLY INSPECTION REPORTS SHALL BE AVAILABLE ONSITE FOR REVIEW.
2. PRIOR TO STABILIZATION, THE SMALLEST PRACTICAL AREA THAT SHALL BE DISTURBED BUT IN NO CASE SHALL EXCEED IS 5 ACRES AT ANY GIVEN TIME.
3. SILT FENCE AND HAY BARRIERS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES A MAXIMUM DEPTH OF 1/3 THE HEIGHT OF THE FENCE OR HAY BALE
4. IF EROSION IN DITCH LINES AND CHANNELS OCCURS THESE AREAS SHALL BE LINED WITH RIP-RAP OR CHANNEL STABILIZATION MATTING AS NECESSARY TO AVOID FURTHER EROSION.
5. SEDIMENT FILTERS AND DEEP SUMP SEDIMENT BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AT A MINIMUM SEDIMENT SHOULD BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL VOLUME WHEN SEDIMENT REACHES 1/2 OF THE ORIGINAL VOLUME
6. DIVERSION BERMS AND DAMS SHALL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
7. STONE CHECK DAMS SHOULD BE INSPECTED FOR THE ACCUMULATION OF SEDIMENT, AND DEBRIS WHICH MAY IMPEDE THE FILTERING AND VELOCITY REDUCTION OF STORM WATER, RESULTING IN THE SEDIMENTATION AND EROSION OF CHANNELS. STONE SHALL BE REPLACED AS NECESSARY TO MAINTAIN THEM IN GOOD WORKING ORDER.
8. BLOCK AND GRAVEL INLET PROTECTION SHOULD BE INSPECTED FOR SEDIMENT BUILD UP. SEDIMENT SHOULD BE REMOVED WHEN IT HAS REACHED A DEPTH OF 1/2 THE DESIGN DEPTH OF THE TRAP.
9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING 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. 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.
10. BASE LAYER OF ALL INFILTRATION BASINS ARE TO BE DEEPLY TILLED TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG. STORM WATER FLOWS ARE NOT TO BE DIRECTED TO THE INFILTRATION AREAS UNTIL CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
11. ALL TEMPORARY OR PERMANENTLY SEEDED AREAS SHOULD BE INSPECTED FOR EROSION AND BARE SPOTS. AREAS SHALL BE REPAIRED AND LOAMED SEEDED AND MULCHED AS NECESSARY.
12. ALL DISTURBED AREAS SHALL BE LOAMED, SEEDED, AND MULCHED WITH HAY. TOPSOIL SHALL BE APPLIED IN A 4 INCH MINIMUM THICKNESS. HAY IS TO BE APPLIED AT A RATE OF 70 TO 90 POUNDS PER 1000 SQUARE FEET. ANY HAY THAT HAS BEEN BLOWN AWAY SHALL BE RE-APPLIED.
13. THE SEED BED WILL BE PREPARED AS FOLLOWS:
   a.) SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
   b.) STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEED BED. FERTILIZER AND LIME IS TO BE MIXED INTO THE SOIL. THE SEED BED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
14. PERMANENT SEED MIX SHALL BE AS FOLLOWS:

SEED TYPE	APPLICATION RATE (POUNDS / ACRE)
TALL FESCUE	20
CREEPING RED FESCUE	20
RED TOP	2
TOTAL	42

TEMPORARY SEEDING WILL BE ONE OF THE FOLLOWING, BASED ON TIME OF YEAR:

TIME PERIOD	SEED TYPE	APPLICATION RATE (POUNDS / ACRE)
1. AUGUST 15 TO SEPTEMBER 5	WINTER RYE	112
2. NO LATER THAN MAY 15	OATS	80
3. APRIL 1 TO JUNE 1 AND AUGUST 15 TO SEPTEMBER 15	PERENNIAL RYE GRASS	30

15. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM ALL EROSION CONTROL DEVICES AND THE AREAS DISTURBED BY THEIR REMOVAL WILL BE SMOOTHED, LOAMED, SEEDED, AND MULCHED WITH HAY.

SPILL PREVENTION PLAN NOTES:

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT

1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND , IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER
6. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINER UNLESS THEY ARE NOT RESEALABLE
2. ORIGINAL LABEL AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURE'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL PREVENTION & CLEAN UP:

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA
3. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY
5. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM OCCURING AGAIN AND IT WILL BE ADJUSTED IF ADDITIONAL HAZARDOUS MATERIALS ARE BROUGHT ONSITE.
6. THE ONSITE SUPERVISOR WILL APPOINT A PERSON RESPONSIBLE FOR DAILY AND WEEKLY INSPECTIONS AND REPORTS.

WASTE DISPOSAL

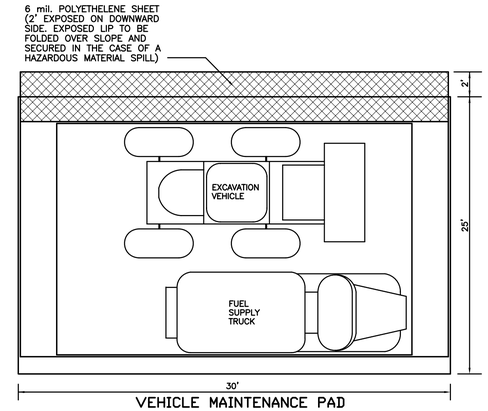
1. ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A METAL DUMPSTER SUPPLIED BY A LICENSED SOLID WASTE MANAGEMENT COMPANY. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS .
2. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER.
3. THE DUMPSTER WILL BE EMPTIED WHEN IT HAS REACHED ITS DESIGN CAPACITY.
4. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ONSITE.
5. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS OR BY THE MANUFACTURER.
6. PORTABLE SANITARY FACILITIES WILL BE SUPPLIED BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY LOCAL AND STATE REGULATIONS. THESE FACILITIES WILL BE CLEANED AS NECESSARY TO MAINTAIN A CLEAN AND SANITARY FACILITY.
7. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PROCEDURES MUST POSTED ON THE SITE.
8. THE INDIVIDUAL APPOINTED BY THE SITE CONTRACTOR OR OWNER TO DO SITE INSPECTIONS SHALL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS MATERIALS PLAN

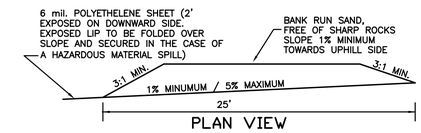
INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION

- CONCRETE
- PETROLEUM BASED PRODUCTS
- WOOD
- MASONRY BLOCK
- ASPHALT
- PAINTS (ENAMEL, OIL, LATEX)
- METAL
- CONCRETE
- TAR
- SHINGLES



VEHICLE MAINTENANCE PAD



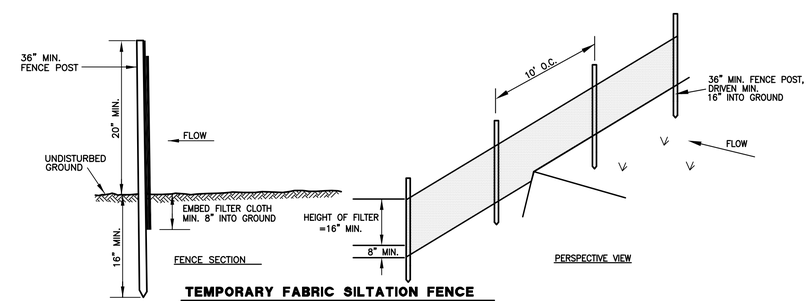
PLAN VIEW

NOTES:

1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 4 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES
3. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
4. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTIION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE.
5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING 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
6. 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.

TEMPORARY VEHICLE MAINTENANCE PAD

NOT TO SCALE



TEMPORARY FABRIC SILTATION FENCE

NOT TO SCALE

NOTES:

1. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

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CONSTRUCTION DETAILS
COLLDEN FARMS SUBDIVISION
WOLFEBORO, NH

DATE:	REVISION DESCRIPTION	DATE:	DR. BY	CHK. BY
08.25.2015	REVISIONS PER REVIEW COMMENTS		REL	

BOOK | PAGE

Date: 01-14-2015
Scale: N.T.S.
Dr. By: RL Ck. By: DJ
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