

















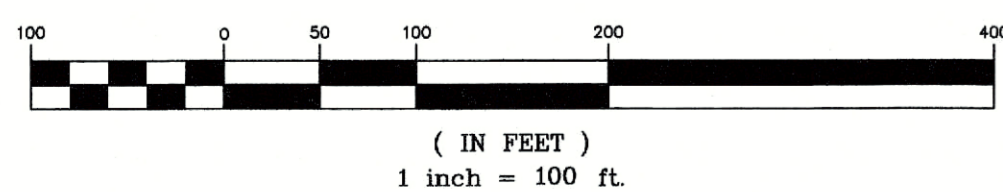


MATCH TO SHEET 2

LEGEND

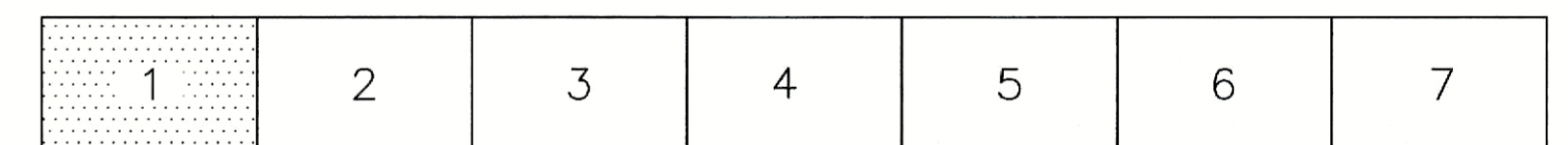
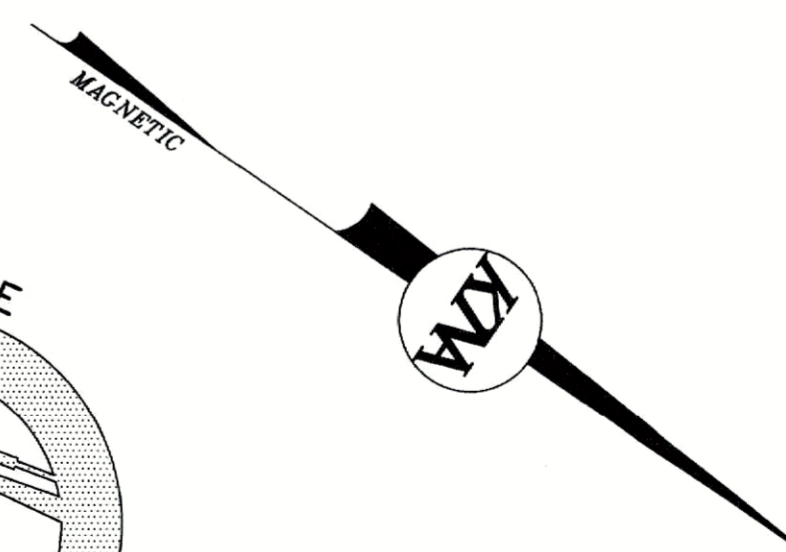
-  TEMPORARY PULL PAD
-  TEMPORARY WORK PAD
-  30' X 60' PERMANENT WORK PADS
-  WETLAND AREA
-  TEMPORARY WETLAND IMPACT/MATTING
-  TEMPORARY UPLAND MATTING
-  EXISTING UTILITY POLE
-  EXISTING UTILITY POLE TO BE REMOVED
-  PROPOSED UTILITY POLE
-  TOWN LINE
-  PROPOSED GRAVEL ACCESS
-  PROPERTY LINE
-  PERIMETER CONTROLS(SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
-  TRANSMISSION LINE RIGHT OF WAY
-  WETLAND
-  75' WETLAND BUFFER
-  EXISTING MAJOR CONTOURS
-  EXISTING MINOR CONTOURS

GRAPHIC SCALE



NOTES:

1. THE PURPOSE OF THIS PLAN IS TO SHOW GRADING AND EROSION AND SEDIMENT CONTROL DETAILS FOR THE CONSTRUCTION OF A UTILITY ACCESS ROAD THROUGH THE X178 TRANSMISSION CORRIDOR. THE TOWN OF EASTON STEEP SLOPES ORDINANCE REQUIRES GRADING AND EROSION AND SEDIMENT CONTROL PLANS FOR PROJECTS THAT DISTURB LAND ON 15% OR GREATER SLOPES.
2. PROPOSED LOCATIONS OF MAINTENANCE PADS TO REMAIN AFTER COMPLETION OF CONSTRUCTION ARE APPROXIMATE, AND MAY BE SUBJECT TO MINOR ALTERATIONS OR SHIFTS IN LOCATION DEPENDING ON SITE CONDITIONS.
3. THIS PLAN DETAILS THE LOCATION OF STEEP SLOPES (>= 15%) AND RECOMMENDS IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL PRACTICES (BMP'S) TO MITIGATE EROSION OF EXPOSED SOILS AND CONTAIN ANY SEDIMENT WITHIN THE PROJECT AREA.
4. TOPOGRAPHIC INFORMATION OBTAINED FROM THE NH GRANIT GIS DATABASE. LIDAR CONTOURS ARE SHOWN AT A 2-FOOT CONTOUR INTERVAL.
5. ALL PROPOSED GRADES ARE GRADED OUT AT A 3:1 SLOPE UNLESS OTHERWISE SPECIFIED ON THE PLAN.
6. REFER TO EASTON STEEP SLOPES MAP AND GZA ACCESS AND PERMITTING PLANS THAT IDENTIFY THE STEEP SLOPES DISTRICT WITHIN THE PROJECT AREA.
7. AREAS OF SENSITIVE RESOURCE AREAS SUCH AS WETLANDS WILL HAVE TIMBER MATS PLACED FOR ACCESS AND NO GROUND DISTURBANCE WILL OCCUR.
8. SEE DETAIL SHEET (D-1) FOR SPECIFIC EROSION AND SEDIMENT CONTROL PRACTICES (BMP'S) TO BE IMPLEMENTED TO CONTROL EROSION AND SEDIMENTATION AND STABILIZE EXPOSED SOILS WITHIN THE PROJECT AREA. AS SITE CONDITIONS CAN VARY ON A DAILY BASIS, THE CONTRACTOR SHALL IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL PRACTICES AS NEEDED, TO MEET THE OBJECTIVE OF PREVENTING EROSION AND CONTROLLING SEDIMENTATION WITHIN THE PROJECT AREA. A DESIGNATED QUALIFIED INSPECTOR SHALL REVIEW AND REPORT ON THE AREAS OF ACTIVE CONSTRUCTION ON A WEEKLY BASIS AND AFTER EVERY HALF INCH RAIN EVENT TO ENSURE APPROPRIATE CONTROLS ARE IMPLEMENTED AND MAINTAINED FOR THE DURATION OF THE PROJECT.
9. ALL GRADING ACTIVITIES ARE TO COMPLY WITH THE STEEP SLOPE OVERLAY DISTRICT (SECTION 903) OF THE EASTON ZONING ORDINANCE.
10. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO FOLLOW THE STANDARD PRACTICES AND INSTALLATION GUIDELINES FOUND IN THE NH DES STORMWATER MANUAL (DECEMBER 2008).



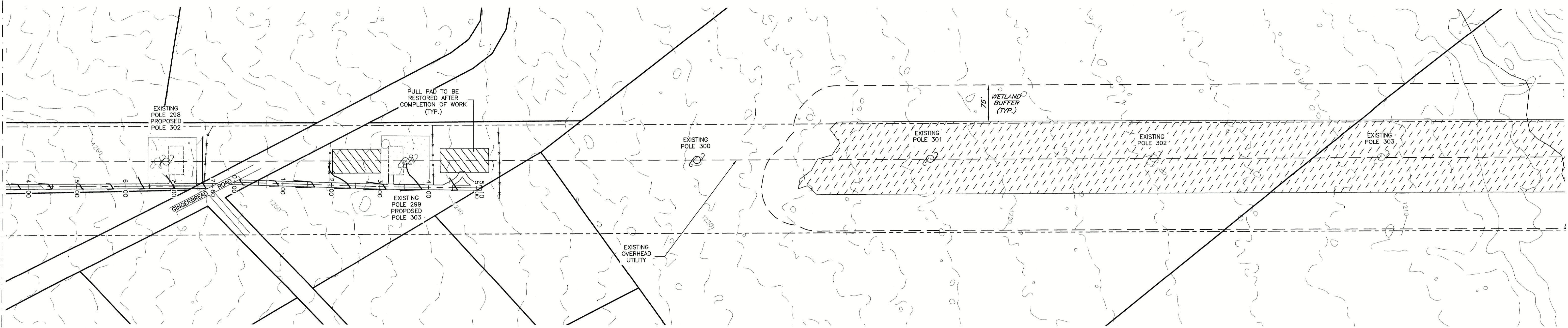
KEY PLAN
SCALE: 1" = 1,000'



PROJECT NO. 22-0817-1

MATCH TO SHEET 1

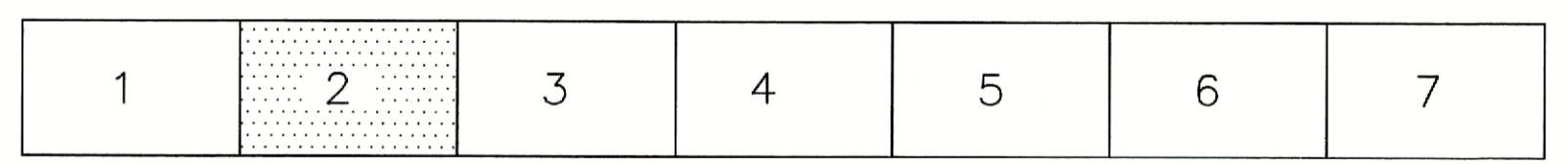
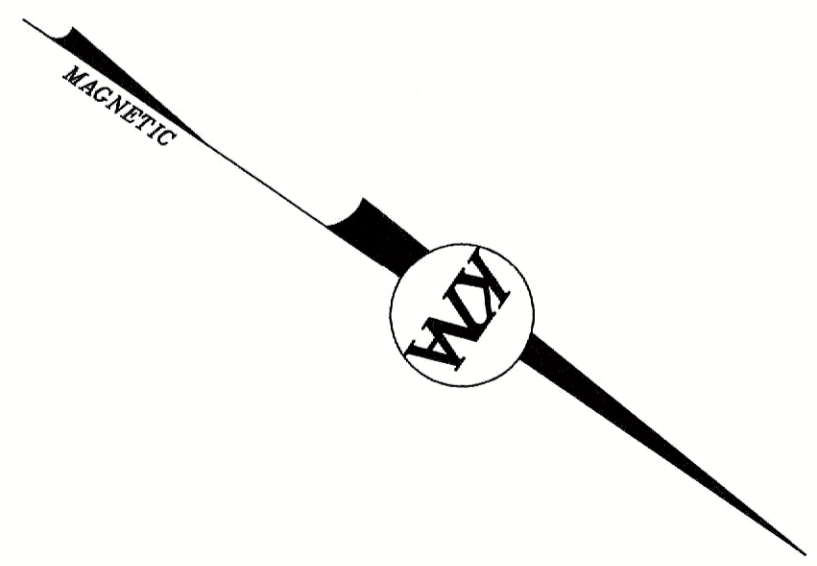
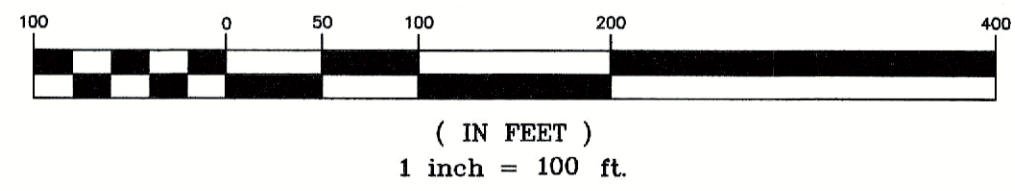
MATCH TO SHEET 3



LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS(SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS

GRAPHIC SCALE



KEY PLAN
SCALE: 1" = 1,000'

SEE SHEET 1 FOR NOTES

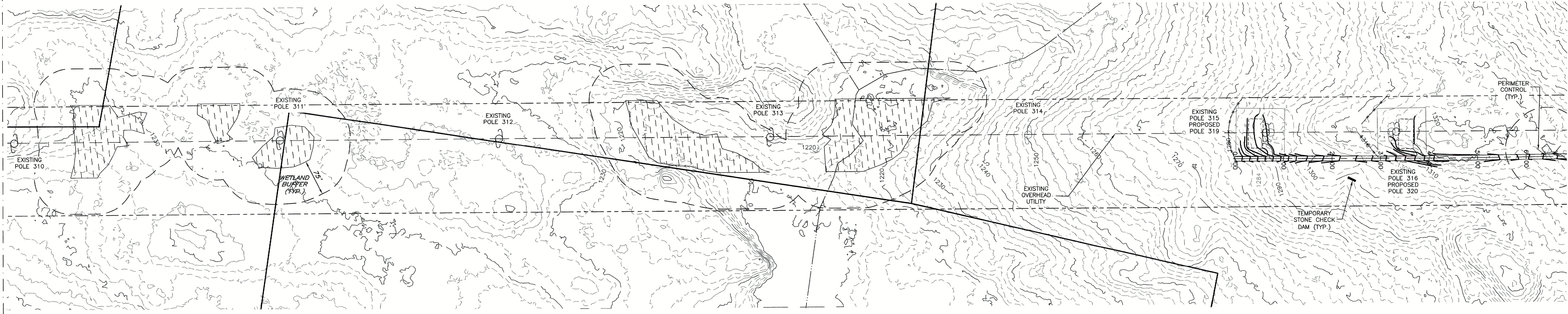


PROJECT NO. 22-0817-1

REVISIONS DATE	DESCRIPTION

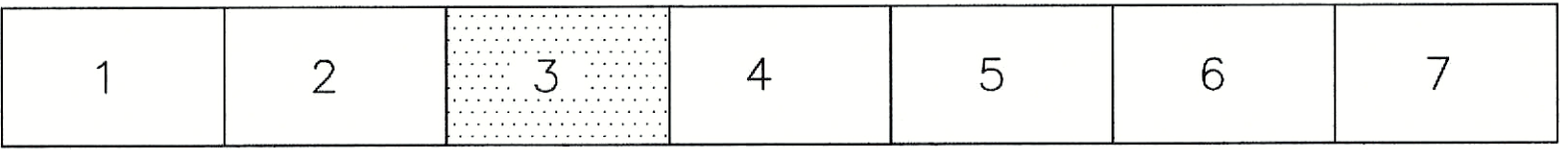
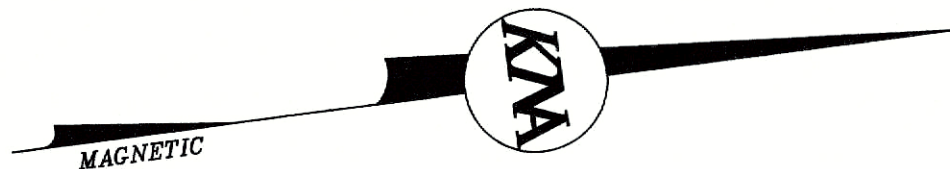
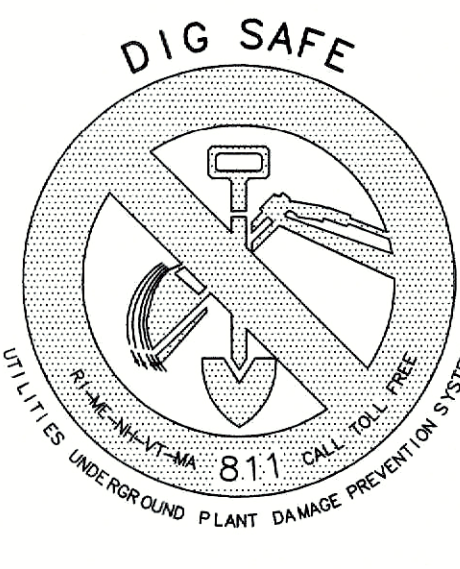
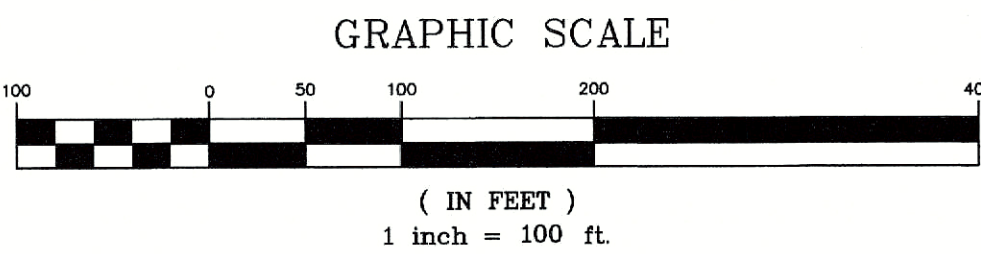
MATCH TO SHEET 2

MATCH TO SHEET 4



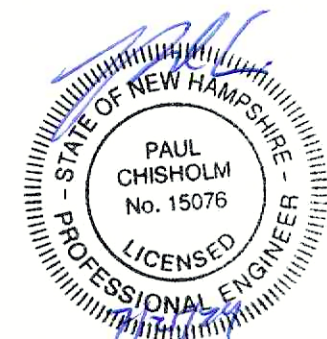
LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS(SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS



KEY PLAN
SCALE: 1" = 1,000'

SEE SHEET 1 FOR NOTES



PROJECT NO. 22-0817-1

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

X178-2 TRANSMISSION LINE REBUILD AND OPGW PROJECT
 GRADING PLAN
 EASTON, NH
 GRAFTON COUNTY

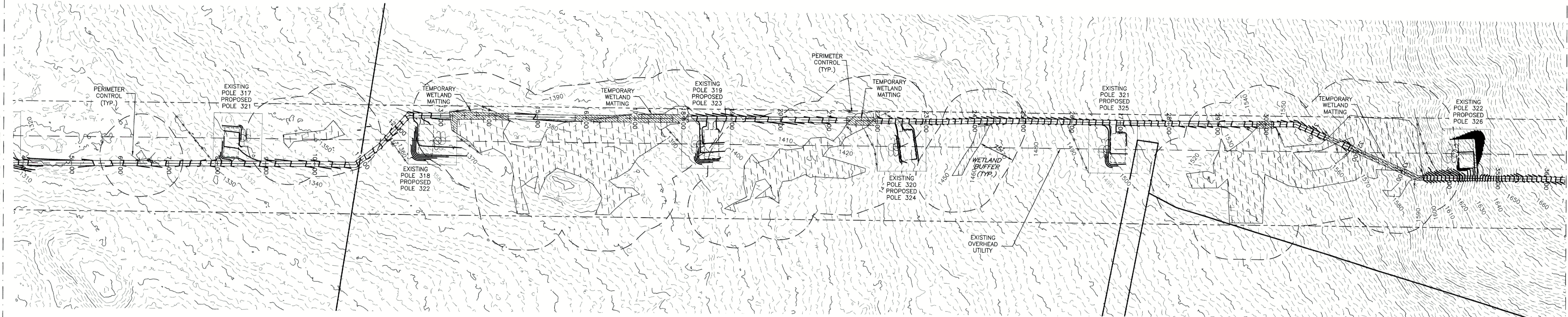
PREPARED FOR:
 GZA-GEOENVIRONMENTAL, INC.
 5 COMMERCE PARK NORTH SUITE 201
 BEDFORD, NEW HAMPSHIRE 03110

REVISIONS	DESCRIPTION
DATE	

DATE: 06/03/2024
 SCALE: 1"=100'
 SHEET 3 OF 19

MATCH TO SHEET 3

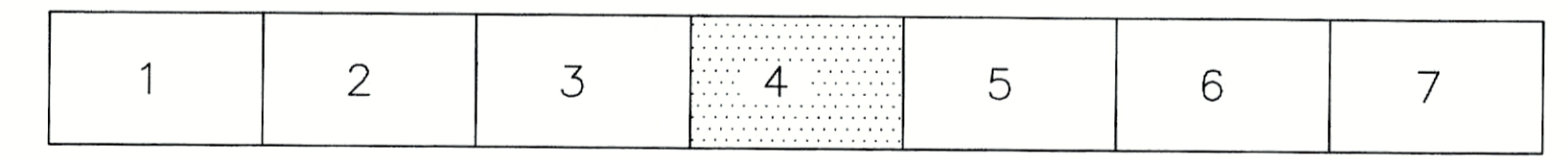
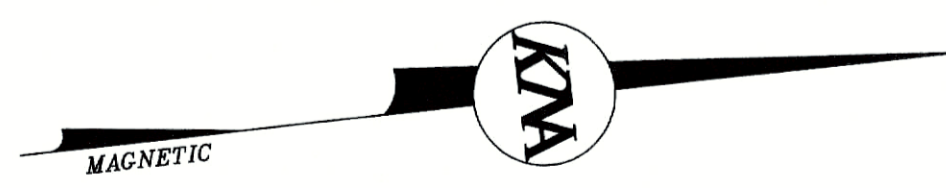
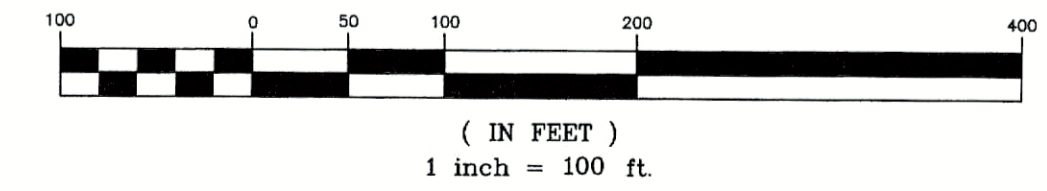
MATCH TO SHEET 5



LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS(SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS

GRAPHIC SCALE



KEY PLAN
SCALE: 1" = 1,000'



SEE SHEET 1 FOR NOTES

PROJECT NO. 22-0817-1

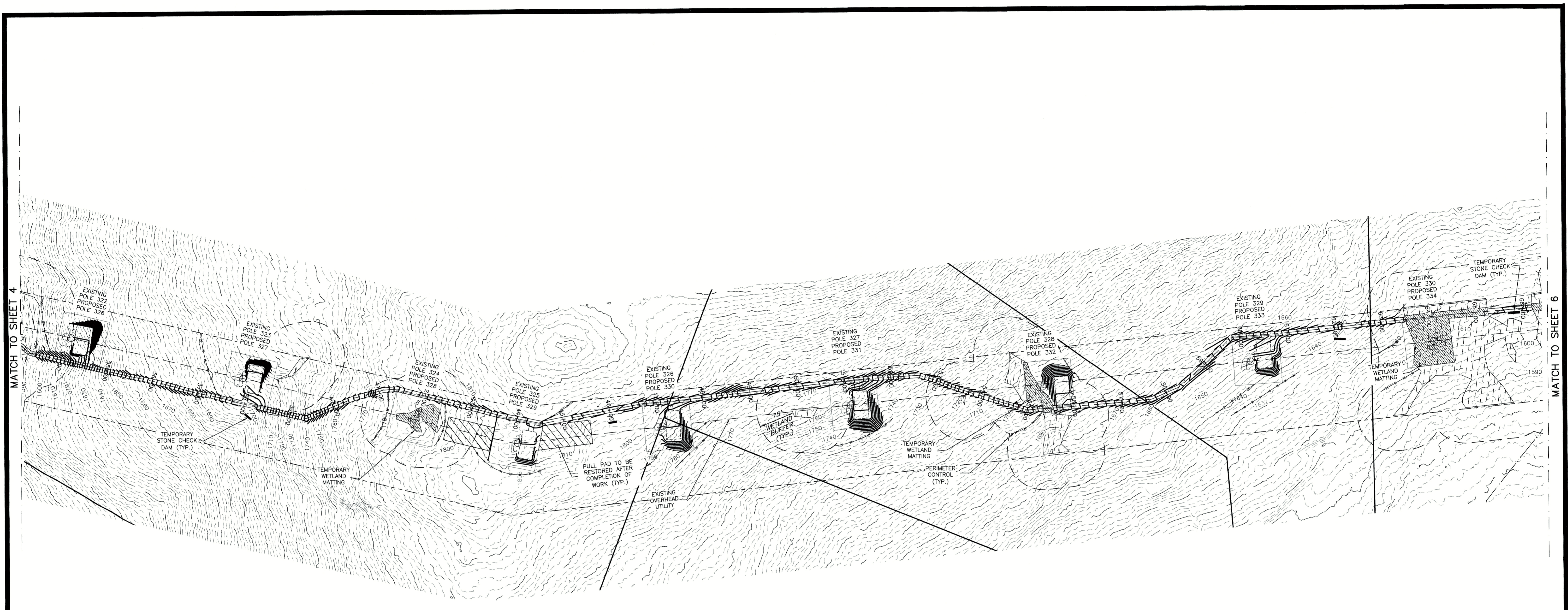
KMA KEACH-NORDSTROM ASSOCIATES, INC.
Civil Engineering Land Planning Landscape Architecture
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

X178-2 TRANSMISSION LINE REBUILD AND OPGW PROJECT
GRADING PLAN
EASTON, NH
GRAFTON COUNTY



















PREPARED FOR:
GZA-GEENVIRONMENTAL, INC.
5 COMMERCE PARK NORTH SUITE 201
BEDFORD, NEW HAMPSHIRE 03110

REVISIONS DATE	DESCRIPTION

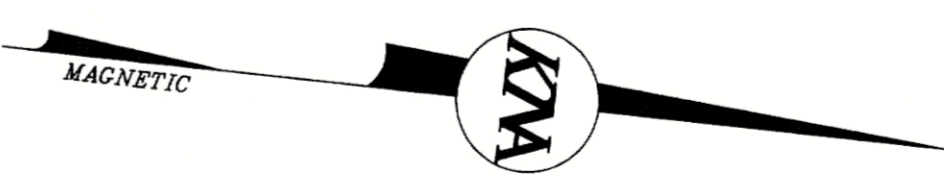
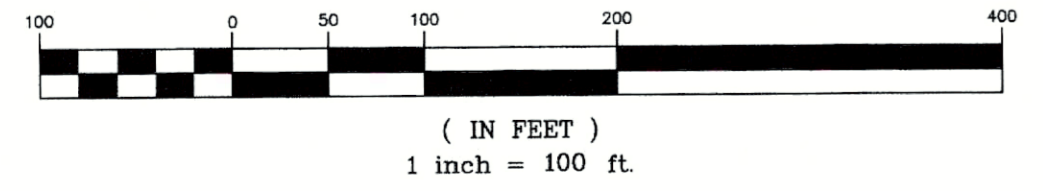
DATE: 06/03/2024
SCALE: 1"=100'
SHEET 4_OF_19



LEGEND

-  TEMPORARY PULL PAD
-  TEMPORARY WORK PAD
-  30' X 60' PERMANENT WORK PADS
-  WETLAND AREA
-  TEMPORARY WETLAND IMPACT/MATTING
-  TEMPORARY UPLAND MATTING
-  EXISTING UTILITY POLE
-  EXISTING UTILITY POLE TO BE REMOVED
-  PROPOSED UTILITY POLE
-  TOWN LINE
-  PROPOSED GRAVEL ACCESS
-  PROPERTY LINE
-  PERIMETER CONTROLS(SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
-  TRANSMISSION LINE RIGHT OF WAY
-  WETLAND
-  75' WETLAND BUFFER
-  EXISTING MAJOR CONTOURS
-  EXISTING MINOR CONTOURS

GRAPHIC SCALE



1	2	3	4	5	6	7
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KEY PLAN
SCALE: 1" = 1,000'

SEE SHEET 1 FOR NOTES

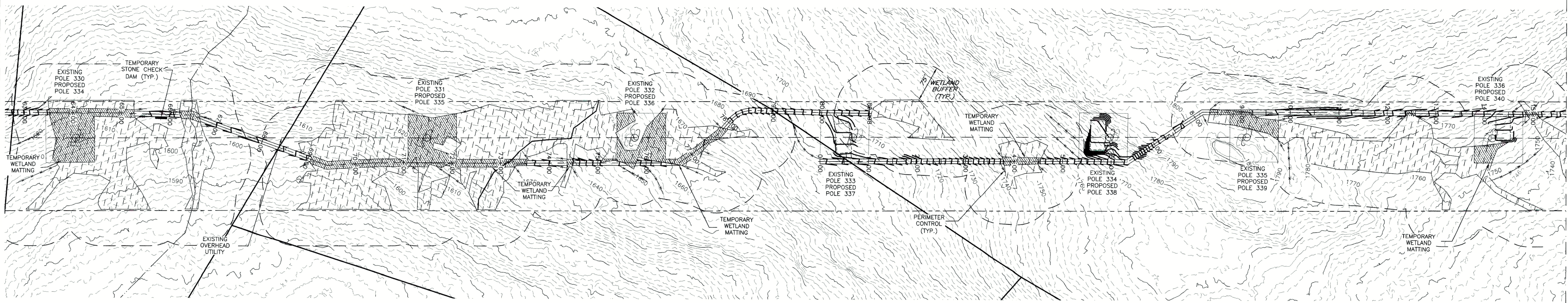


PROJECT NO. 22-0817-1

REVISIONS DATE	DESCRIPTION

MATCH TO SHEET 5

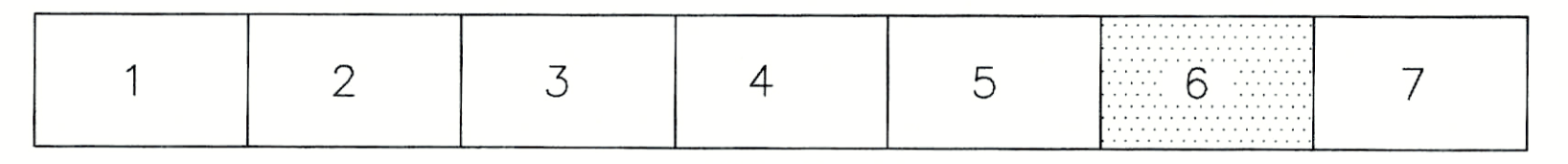
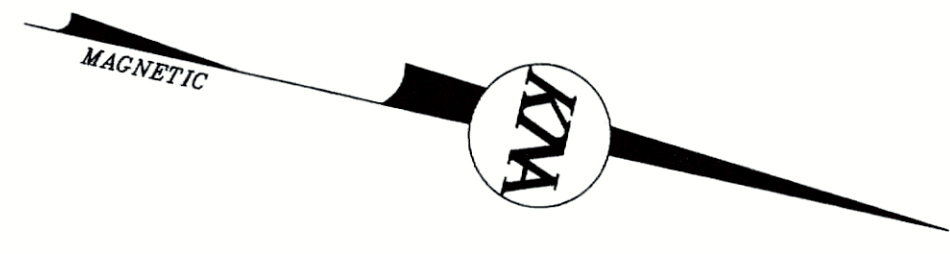
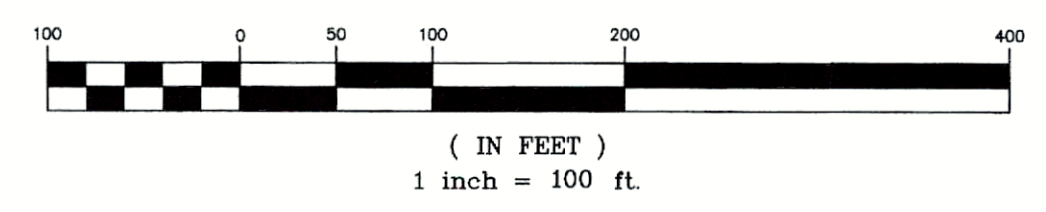
MATCH TO SHEET 7



LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS(SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS

GRAPHIC SCALE



KEY PLAN
SCALE: 1" = 1,000'

SEE SHEET 1 FOR NOTES



PROJECT NO. 22-0817-1

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

X178-2 TRANSMISSION LINE REBUILD AND OPGW PROJECT

GRADING PLAN
EASTON, NH
GRAFTON COUNTY

PREPARED FOR:

GZA-GEOENVIRONMENTAL, INC.
5 COMMERCE PARK NORTH SUITE 201
BEDFORD, NEW HAMPSHIRE 03110

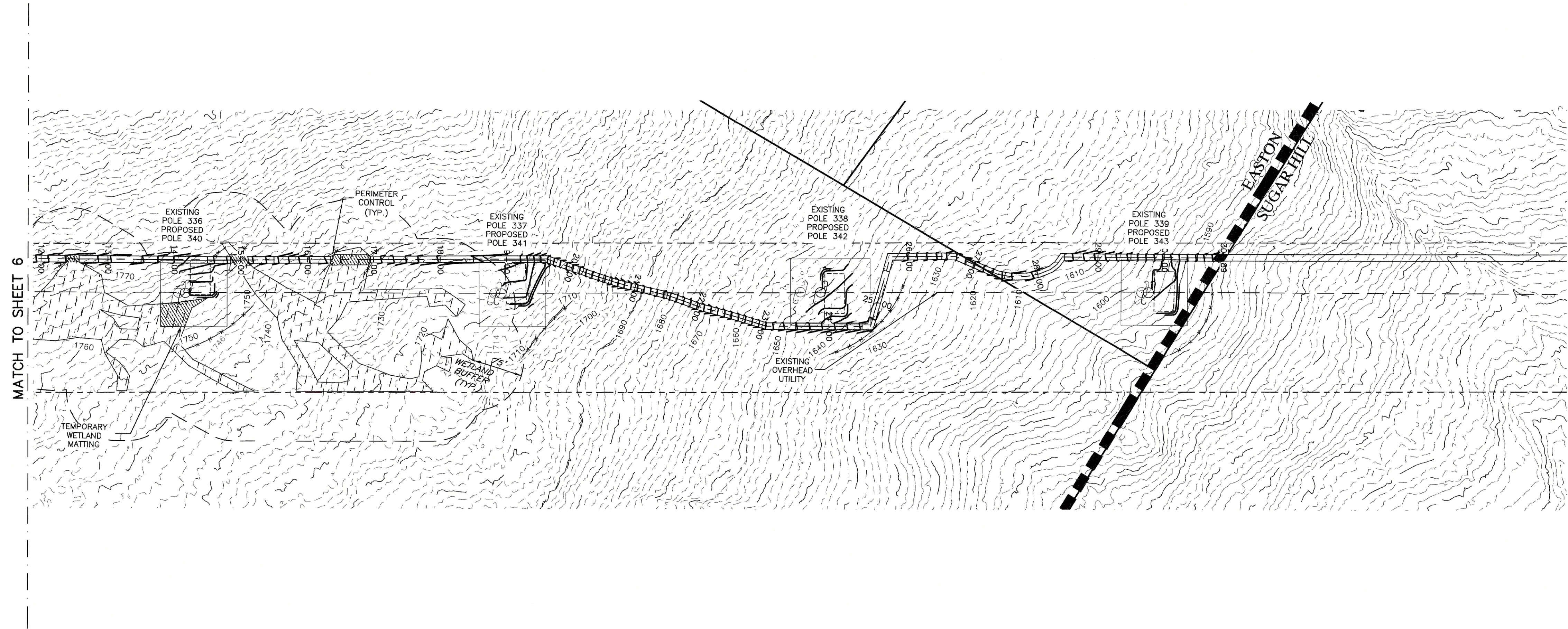
REVISIONS

DATE	DESCRIPTION



















DATE: 06/03/2024

SCALE: 1"=100'

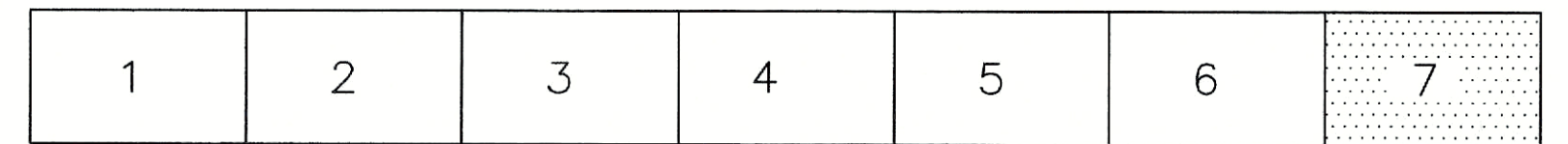
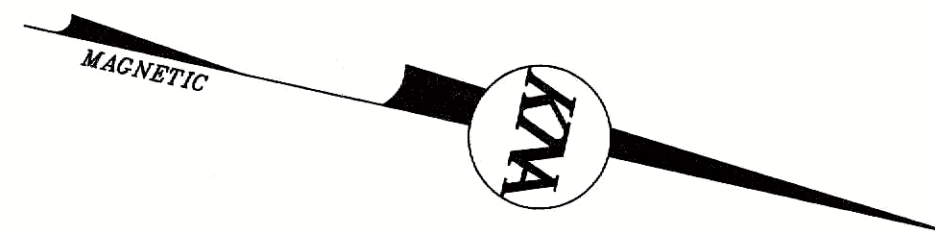
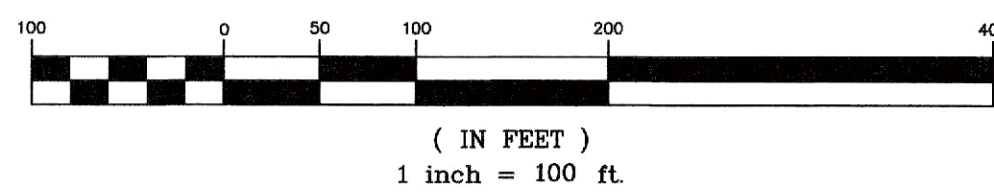
SHEET 6 OF 19



LEGEND

-  TEMPORARY PULL PAD
-  TEMPORARY WORK PAD
-  30' X 60' PERMANENT WORK PADS
-  WETLAND AREA
-  TEMPORARY WETLAND IMPACT/MATTING
-  TEMPORARY UPLAND MATTING
-  EXISTING UTILITY POLE
-  EXISTING UTILITY POLE TO BE REMOVED
-  PROPOSED UTILITY POLE
-  TOWN LINE
-  PROPOSED GRAVEL ACCESS
-  PROPERTY LINE
-  PERIMETER CONTROLS(SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
-  TRANSMISSION LINE RIGHT OF WAY
-  WETLAND
-  75' WETLAND BUFFER
-  EXISTING MAJOR CONTOURS
-  EXISTING MINOR CONTOURS

GRAPHIC SCALE



KEY PLAN
SCALE: 1" = 1,000'



SEE SHEET 1 FOR NOTES

PROJECT NO. 22-0817-1

X178-2 TRANSMISSION LINE REBUILD AND OPGW PROJECT

GRADING PLAN
EASTON, NH
GRAFTON COUNTY

PREPARED FOR:

GZA-GEOENVIRONMENTAL, INC.
5 COMMERCE PARK NORTH SUITE 201
BEDFORD, NEW HAMPSHIRE 03110

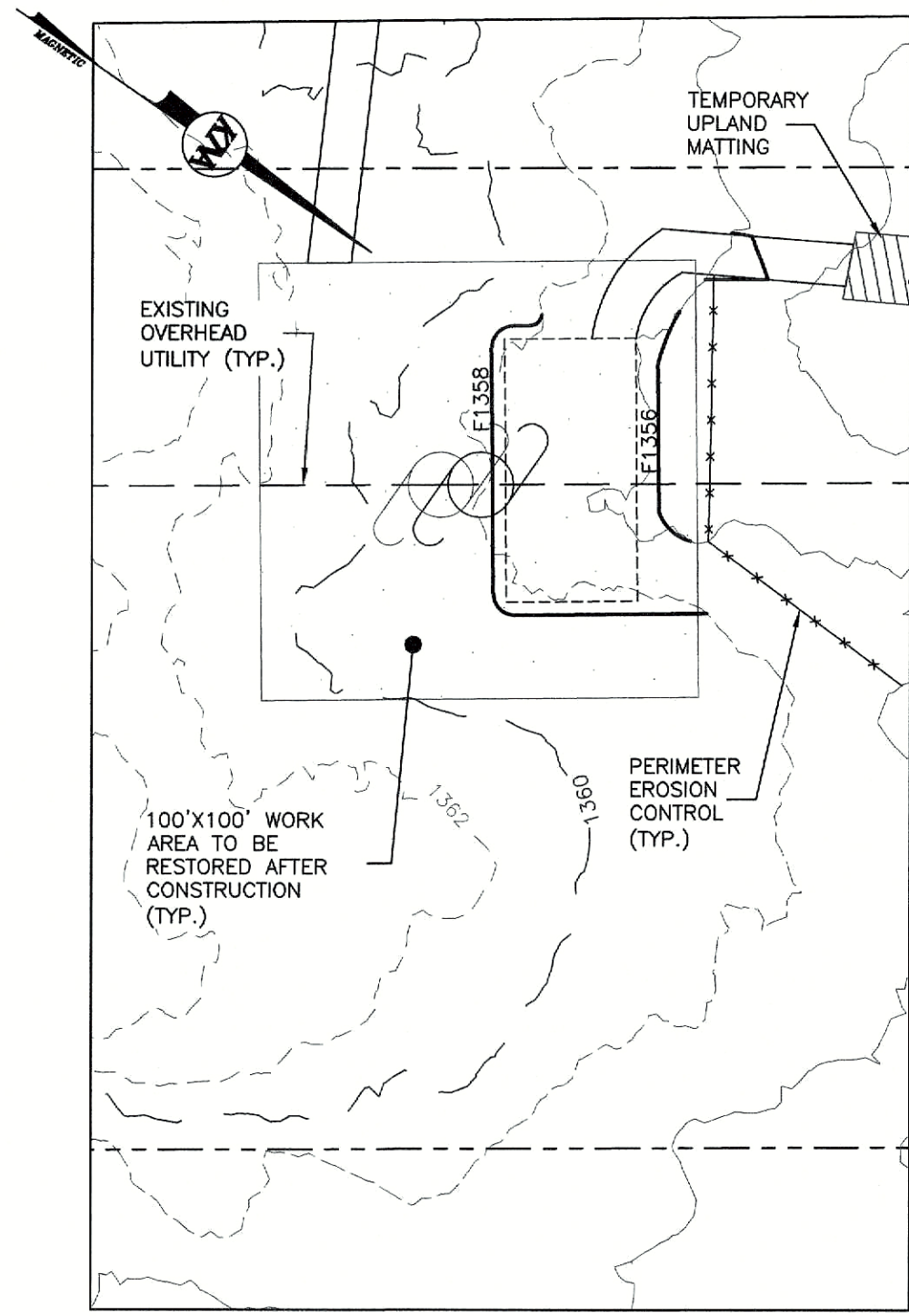
REVISIONS

DATE	DESCRIPTION

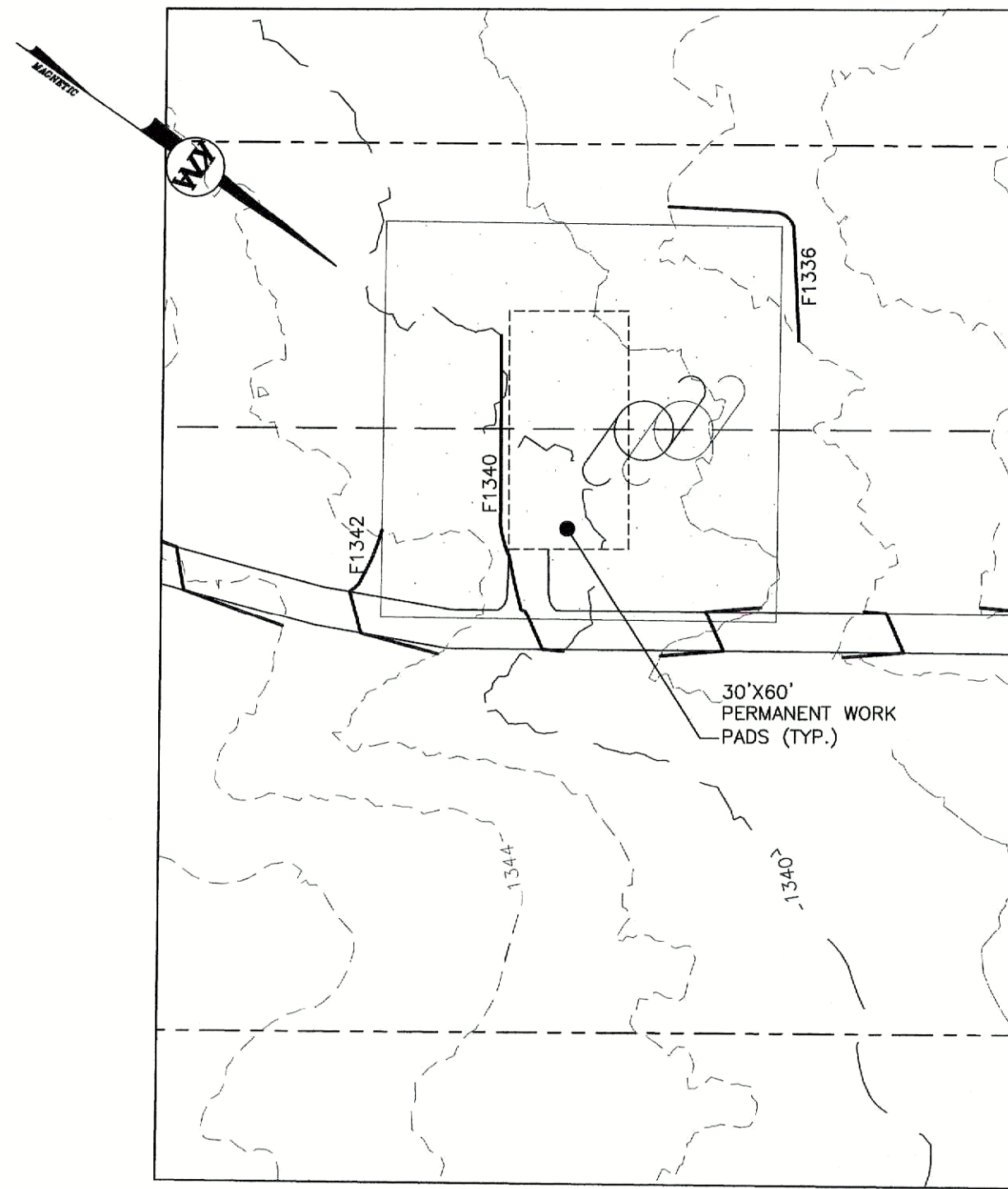
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SCALE: 1"=100'

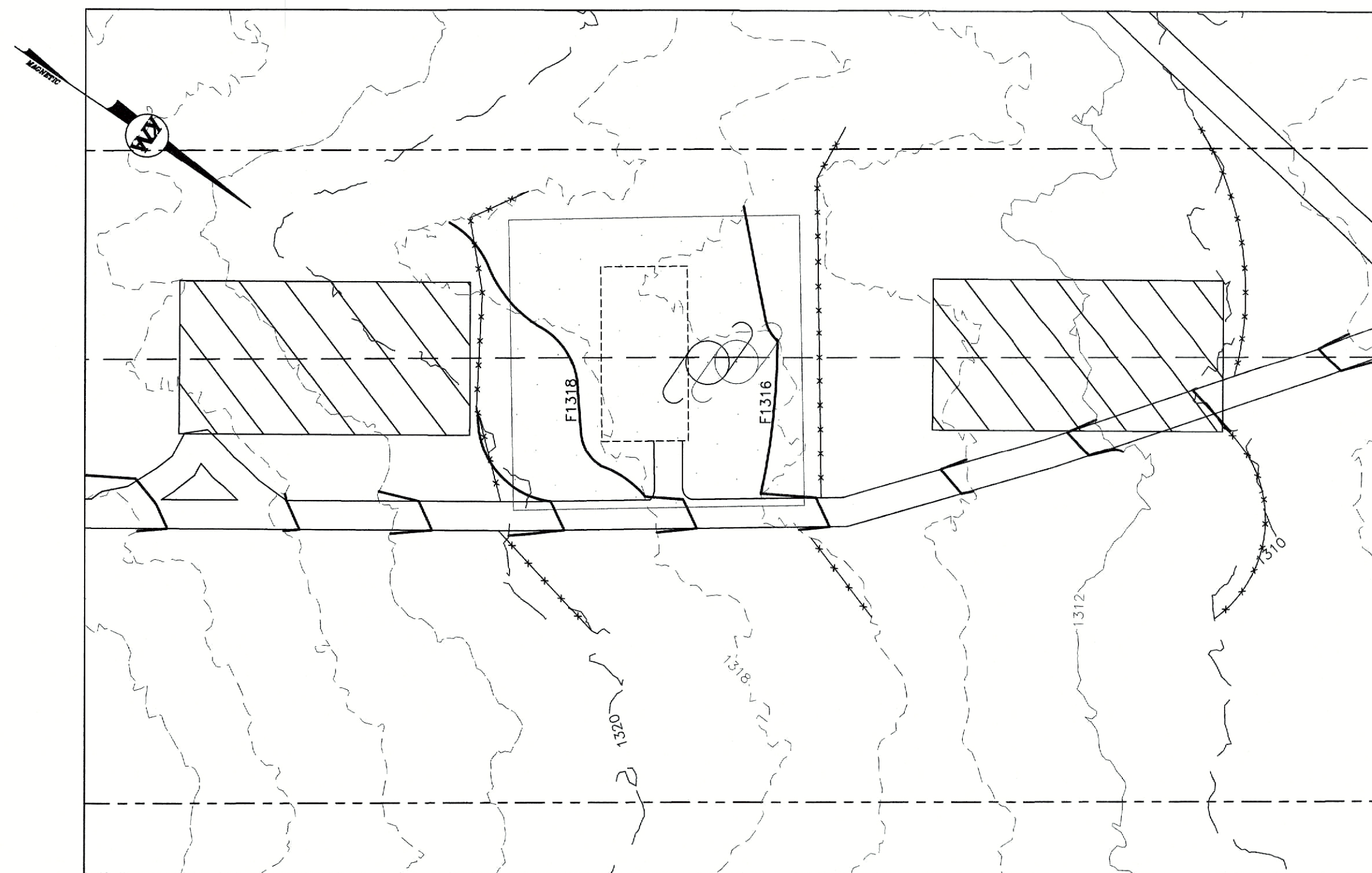
SHEET 7_OF_19



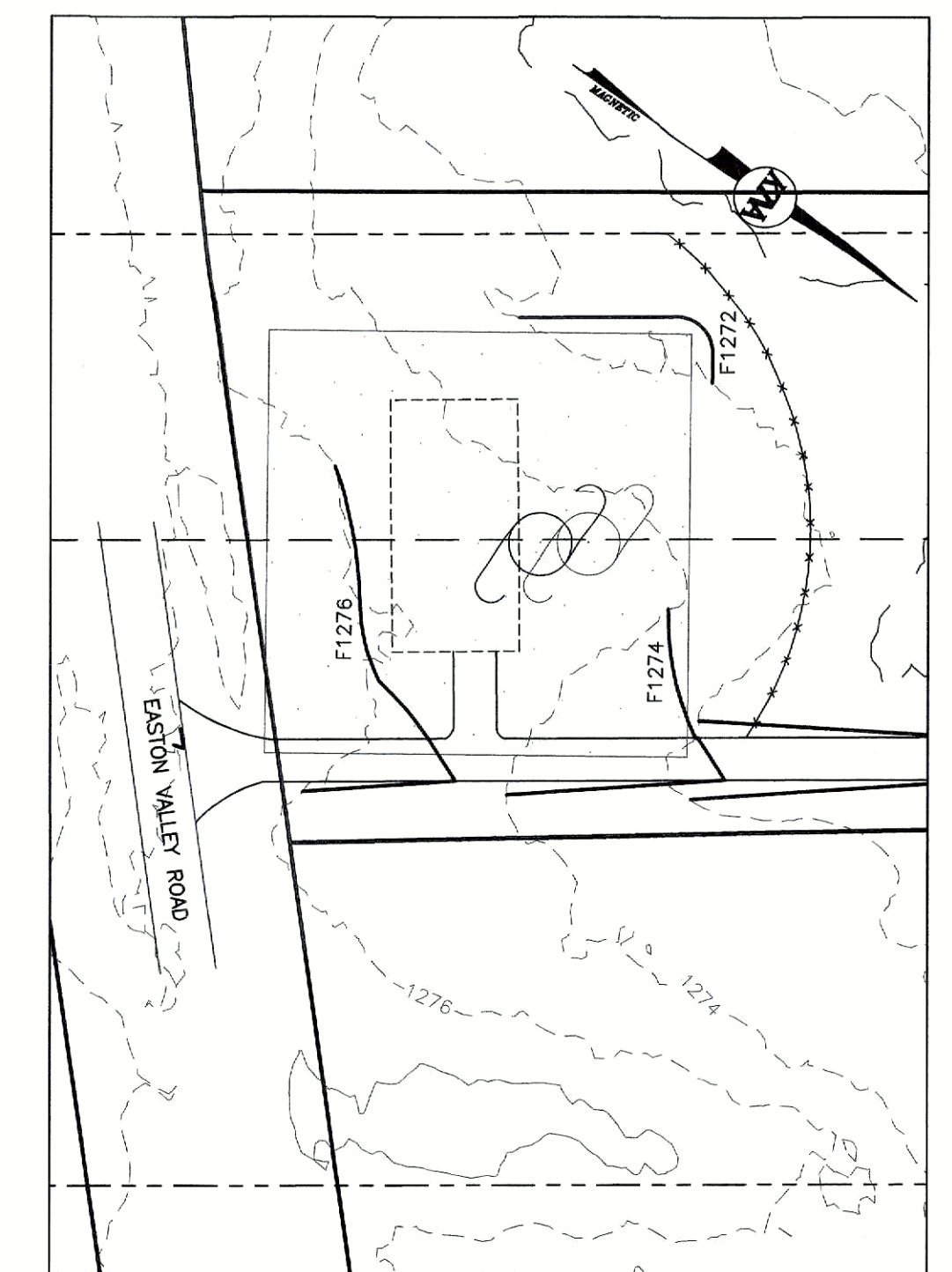
EXISTING POLE 292
PROPOSED POLE 296



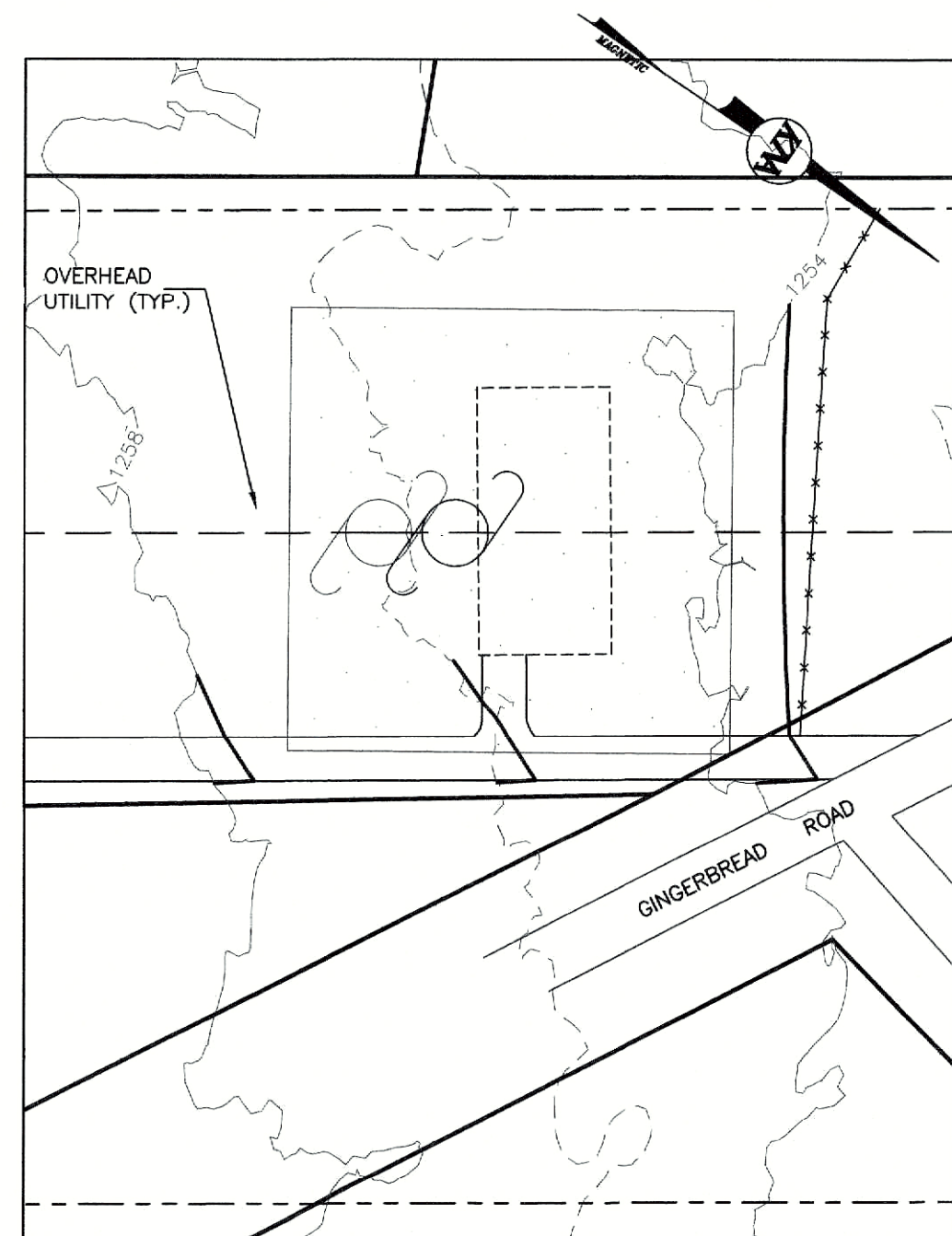
EXISTING POLE 293
PROPOSED POLE 297



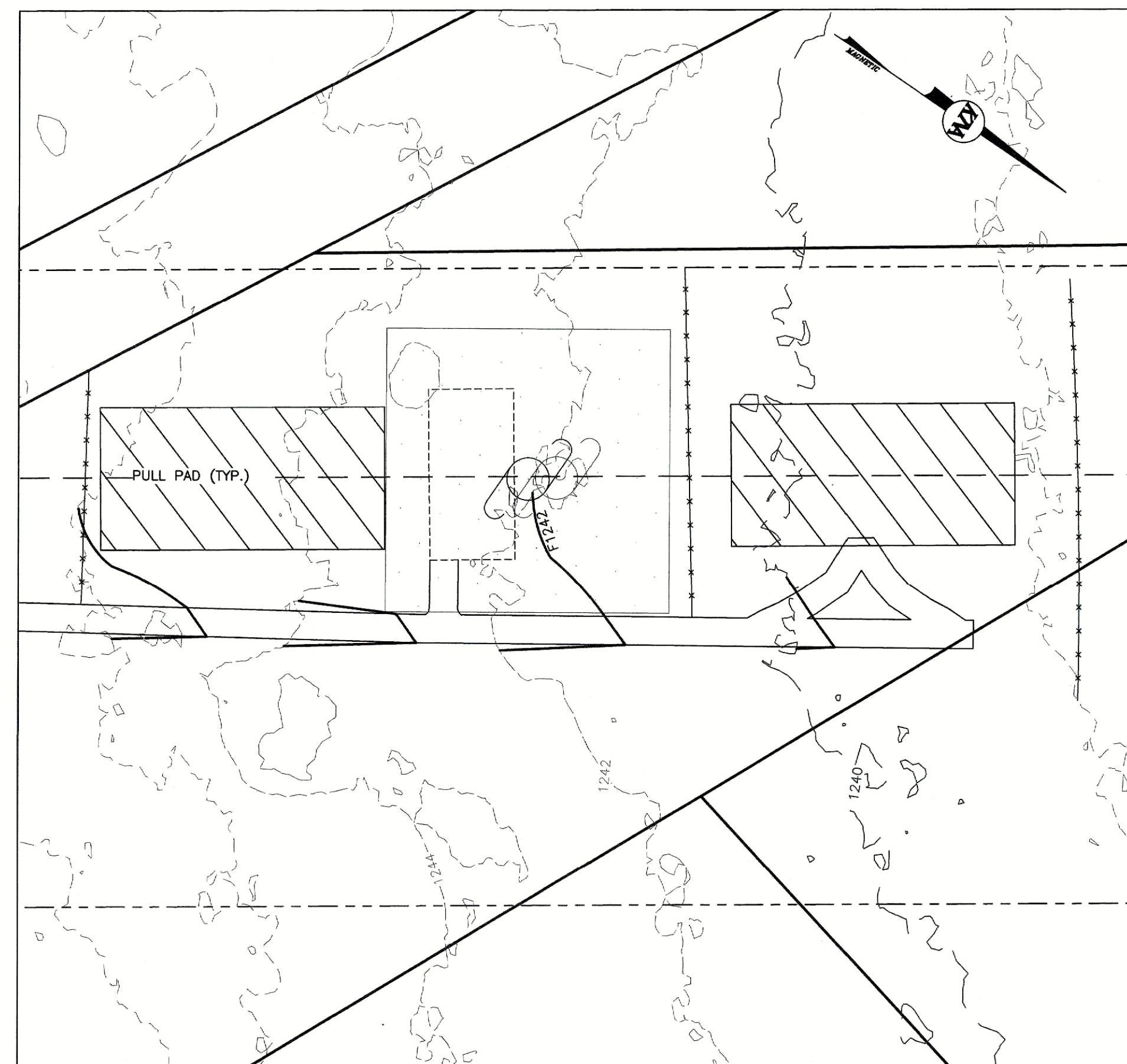
EXISTING POLE 294
PROPOSED POLE 298



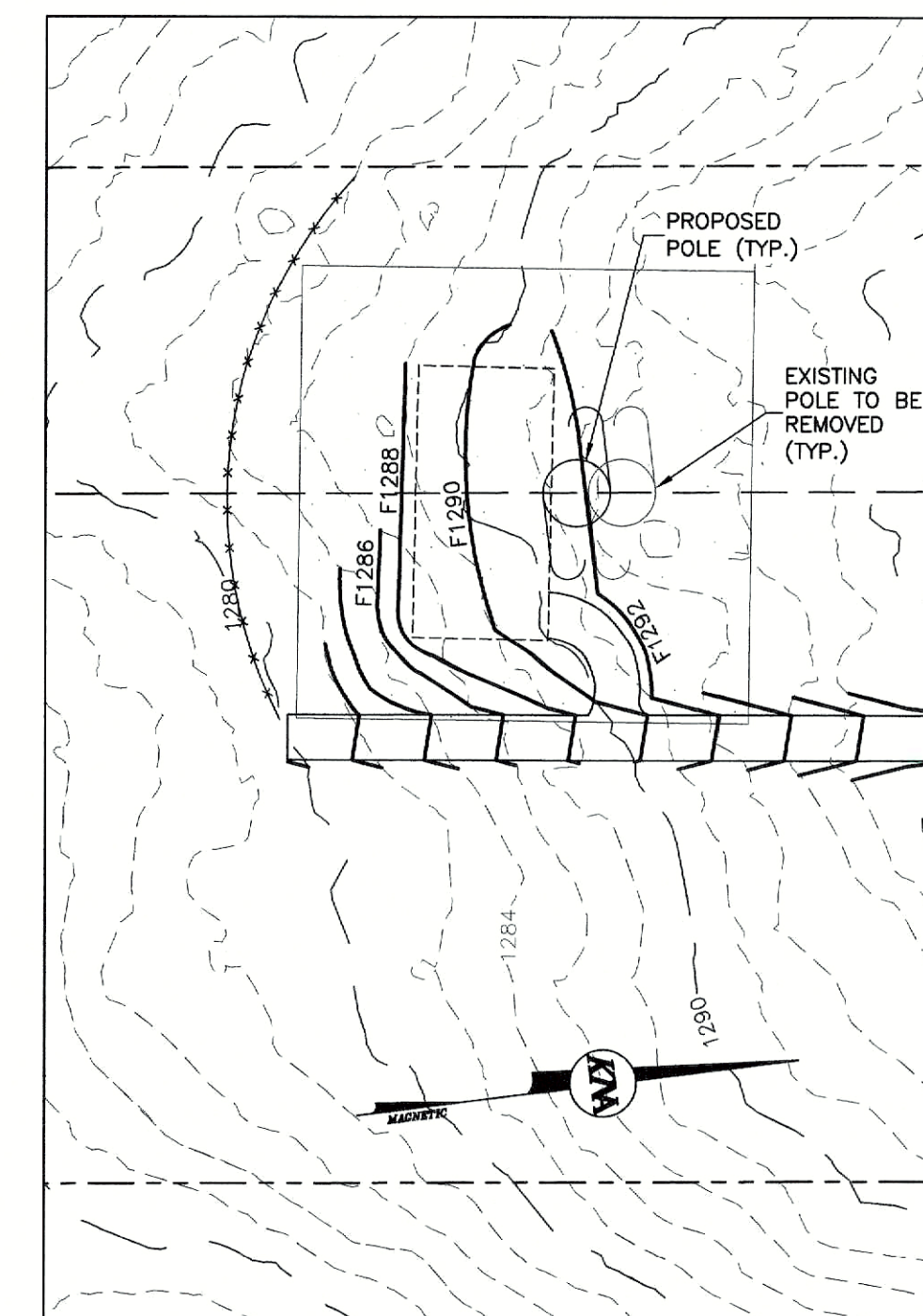
EXISTING POLE 297
PROPOSED POLE 301



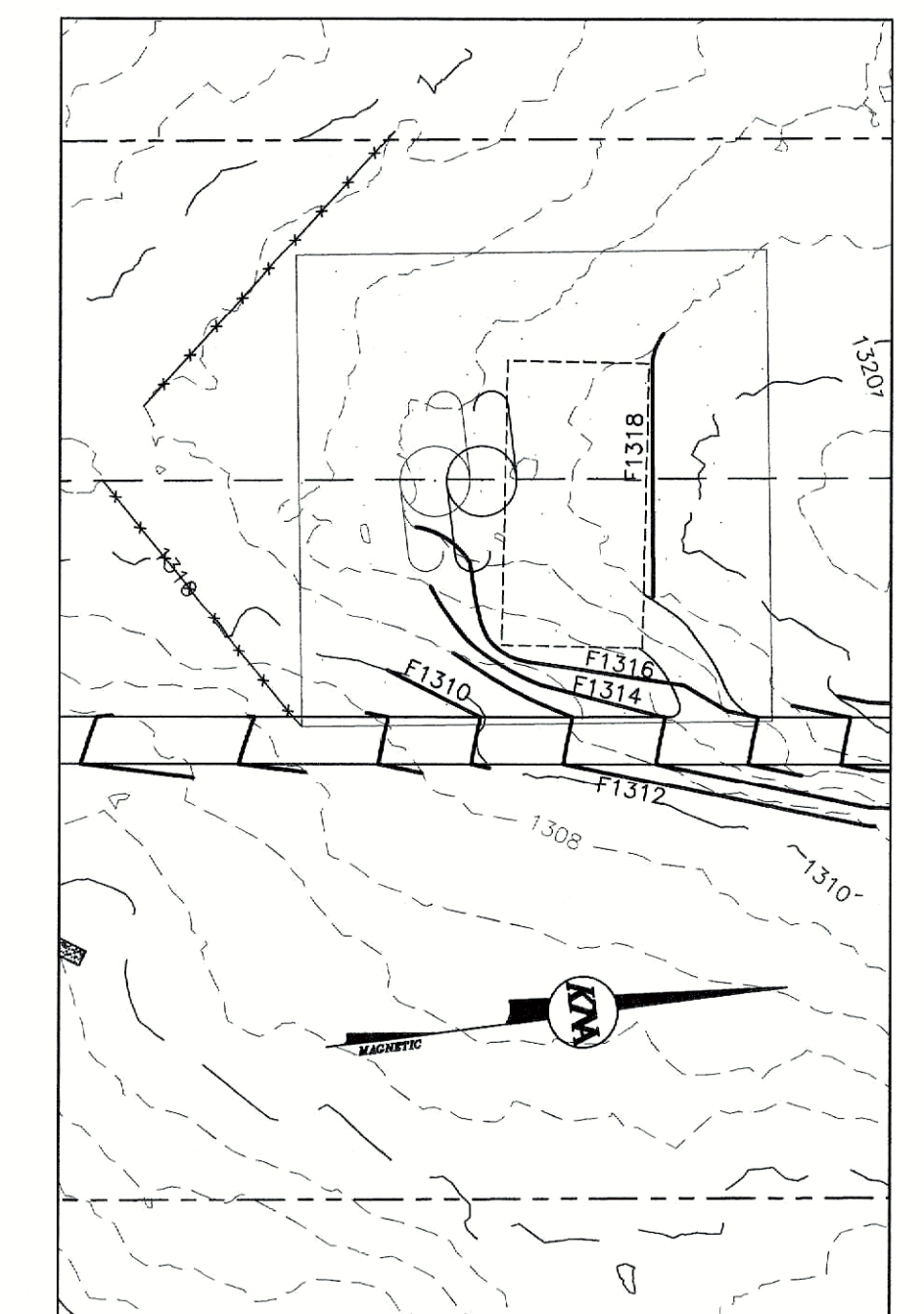
EXISTING POLE 298
PROPOSED POLE 302



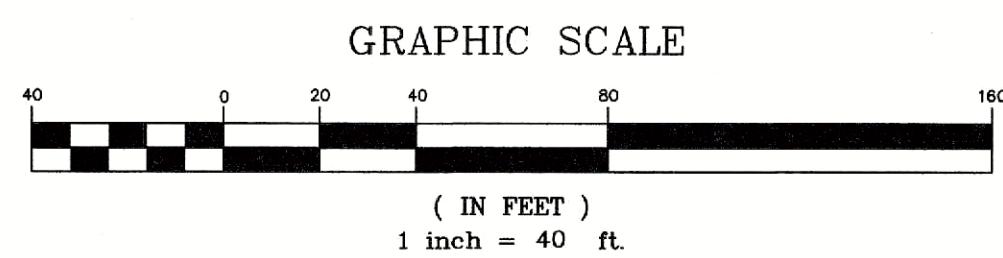
EXISTING POLE 299
PROPOSED POLE 303



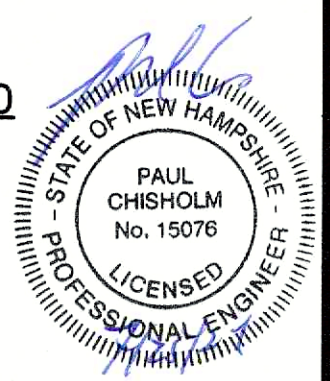
EXISTING POLE 315
PROPOSED POLE 319



EXISTING POLE 316
PROPOSED POLE 320

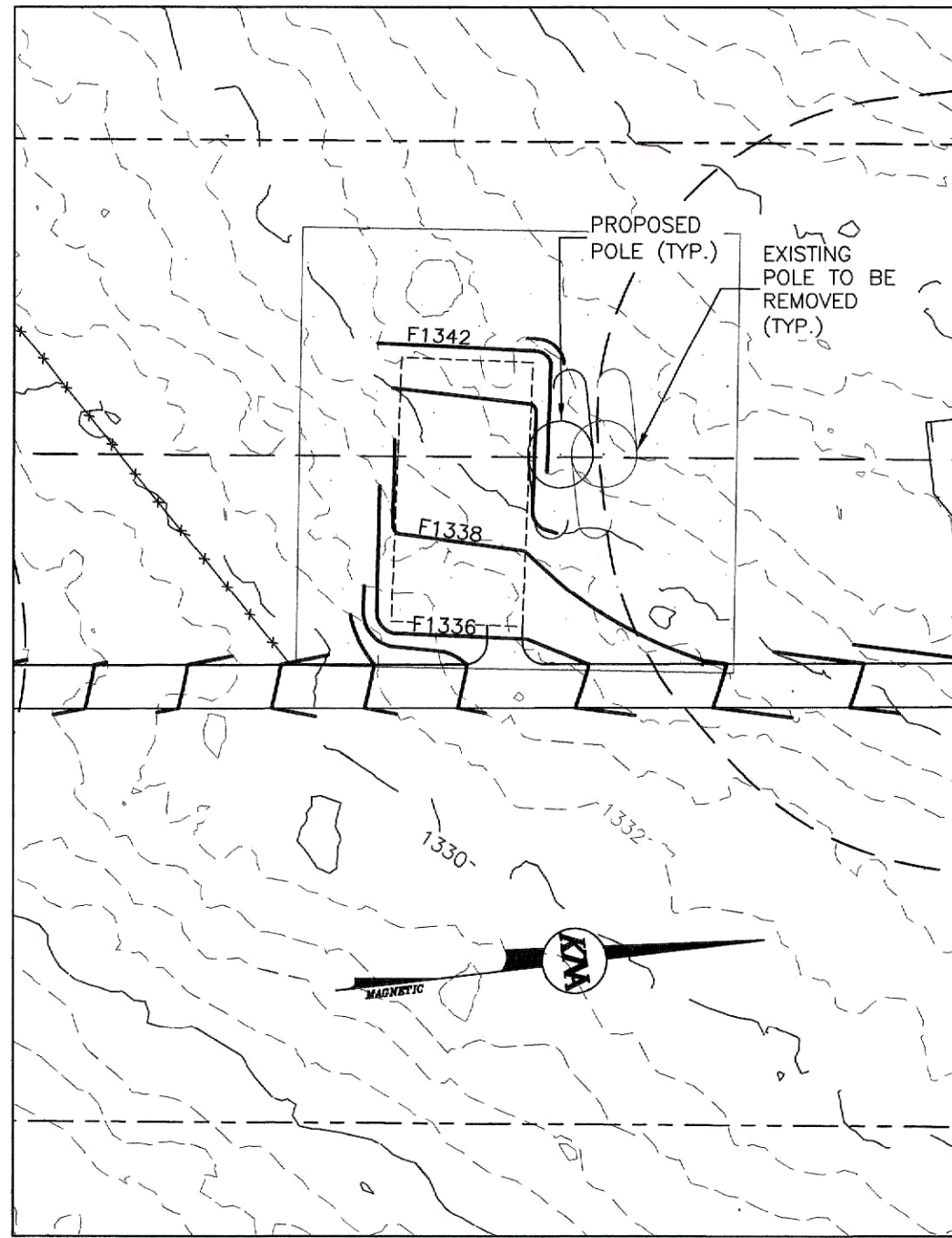


SEE SHEET 1 FOR NOTES

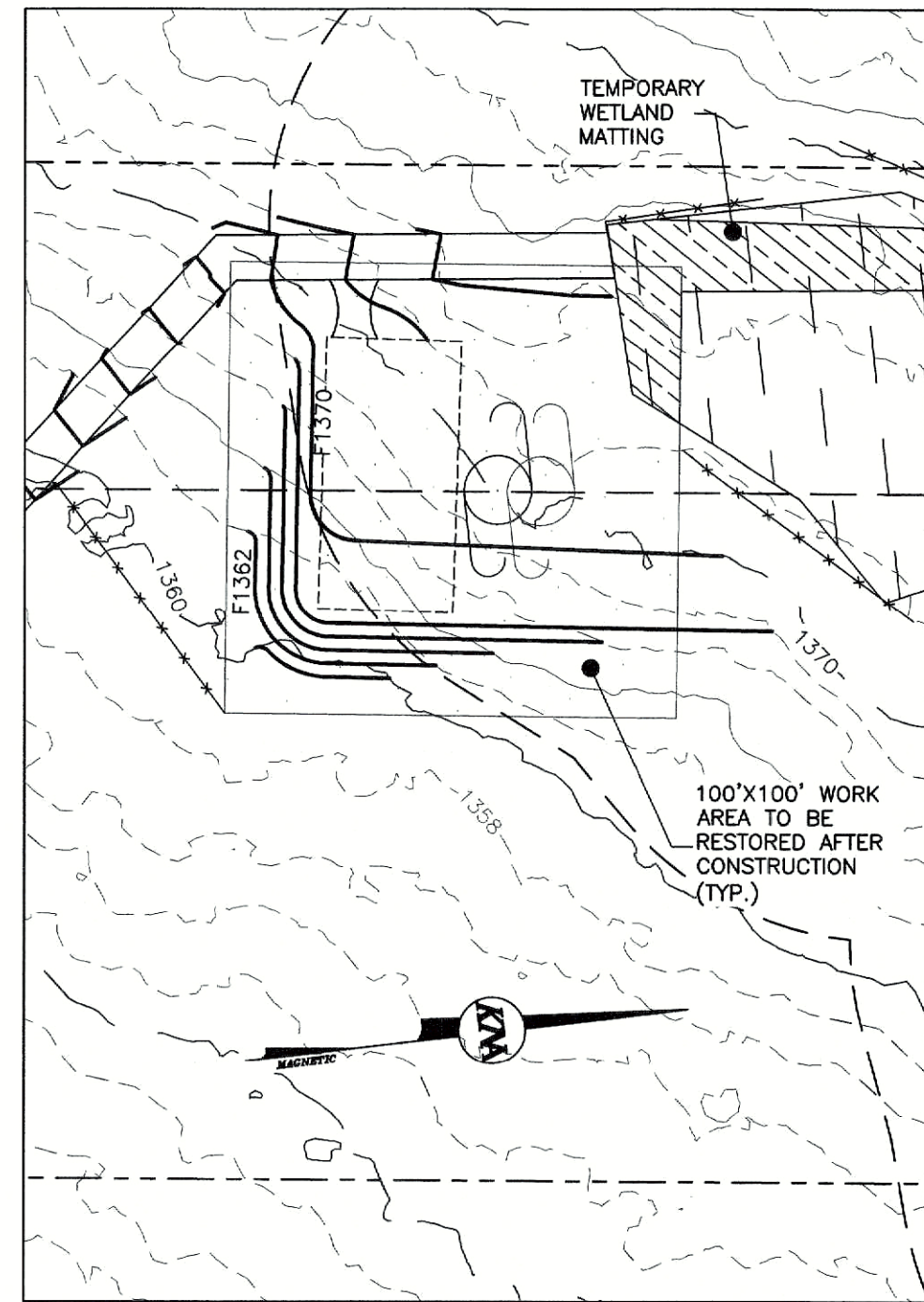


PROJECT NO. 22-0817-1

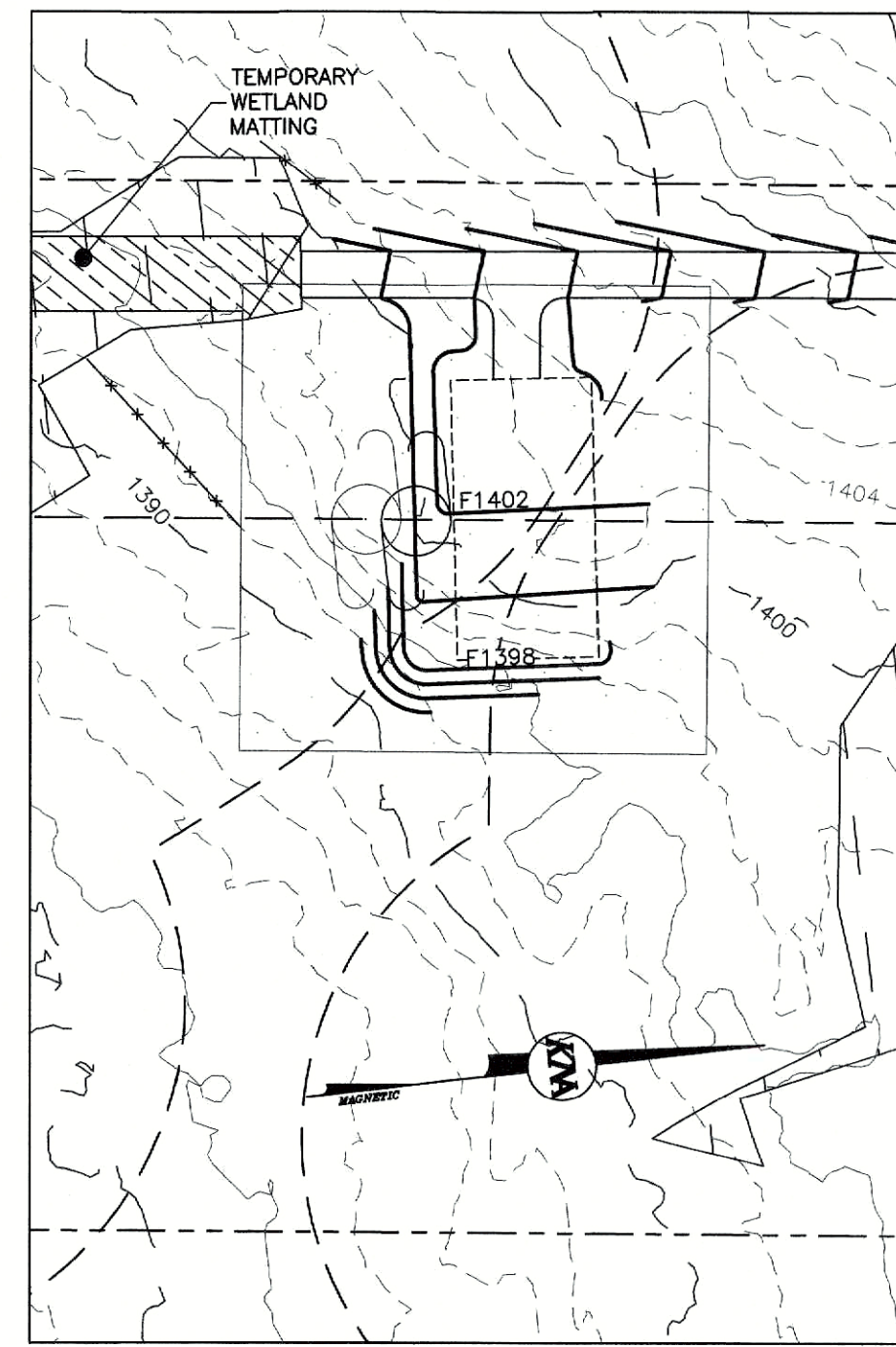
DATE	DESCRIPTION



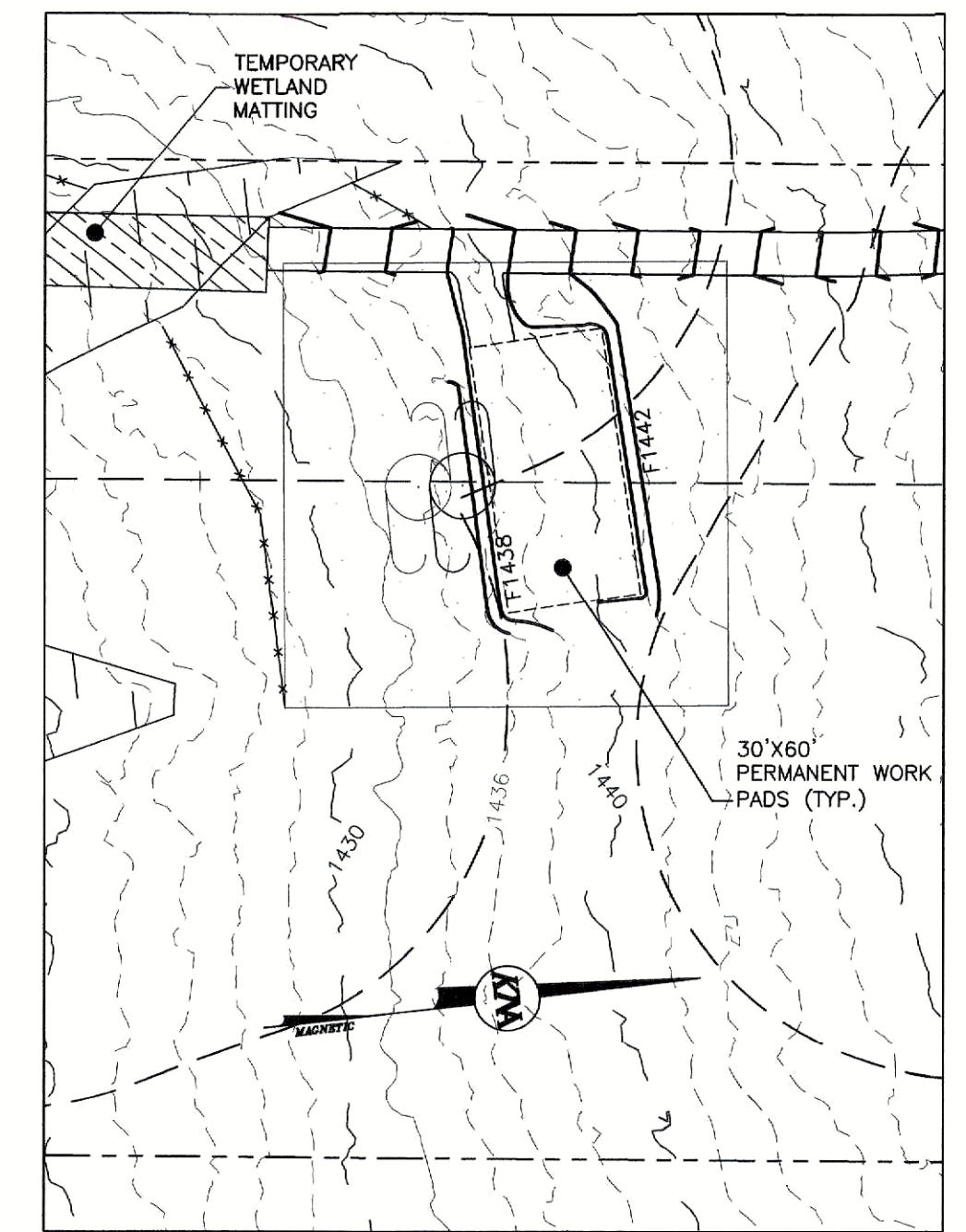
EXISTING POLE 317
PROPOSED POLE 321



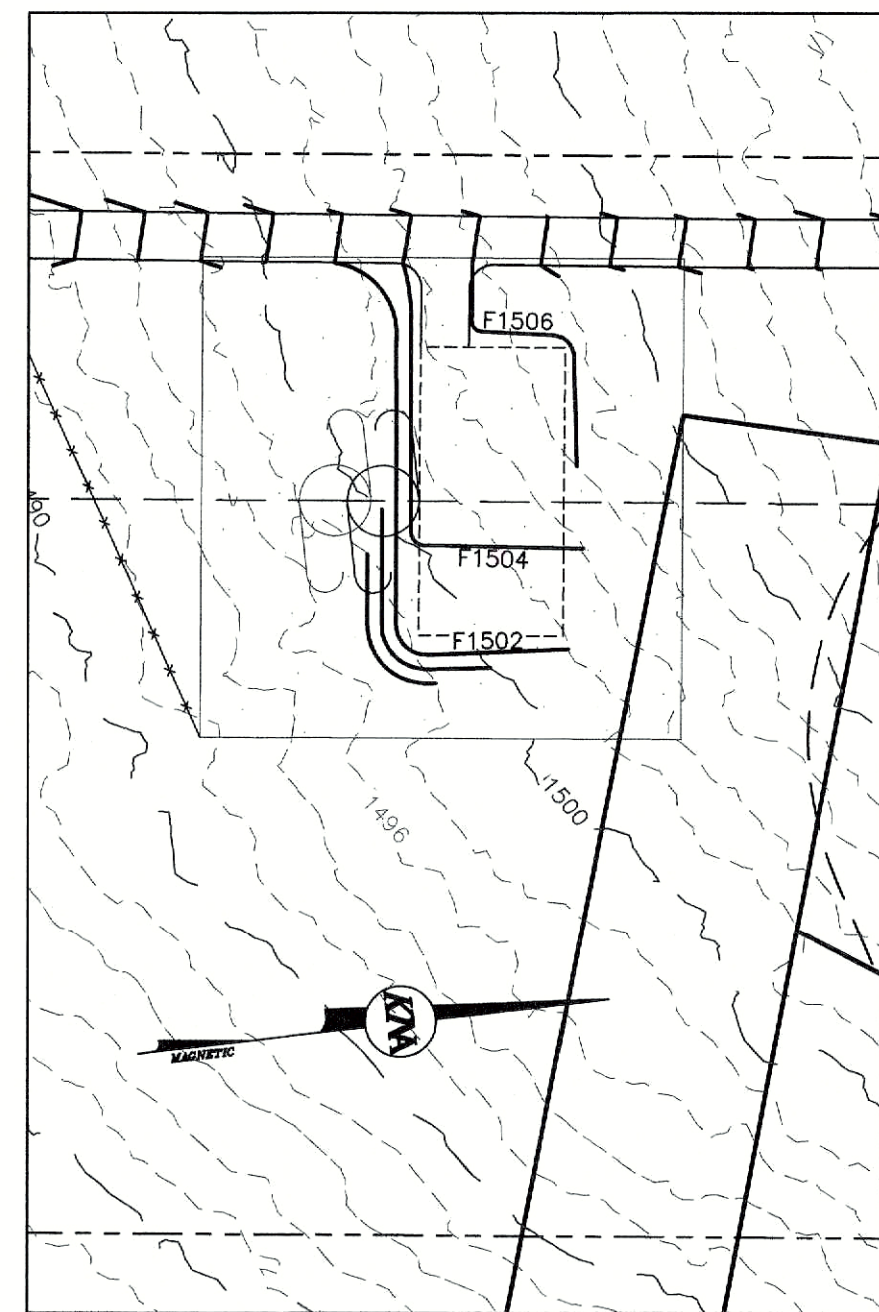
EXISTING POLE 318
PROPOSED POLE 322



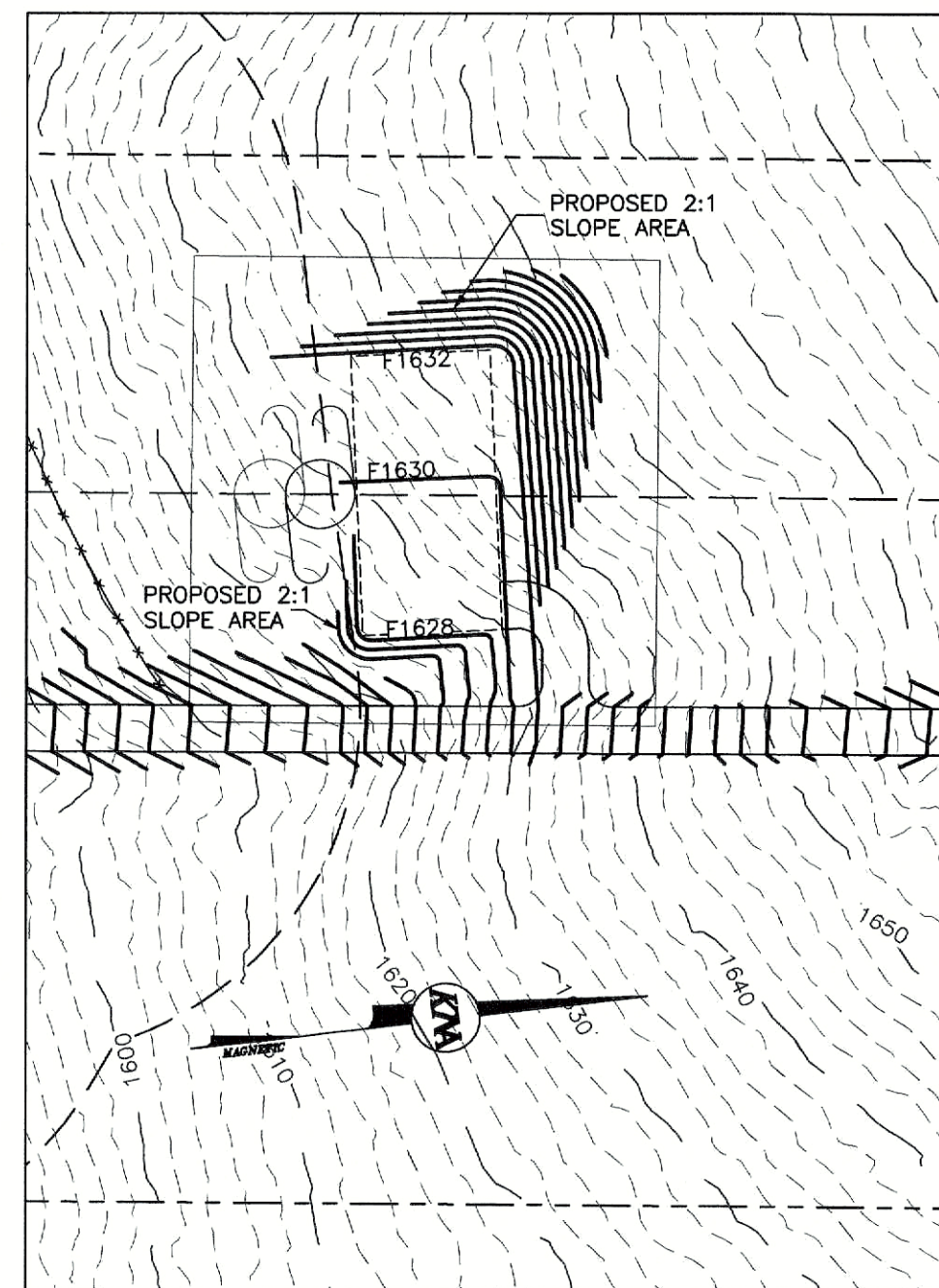
EXISTING POLE 319
PROPOSED POLE 323



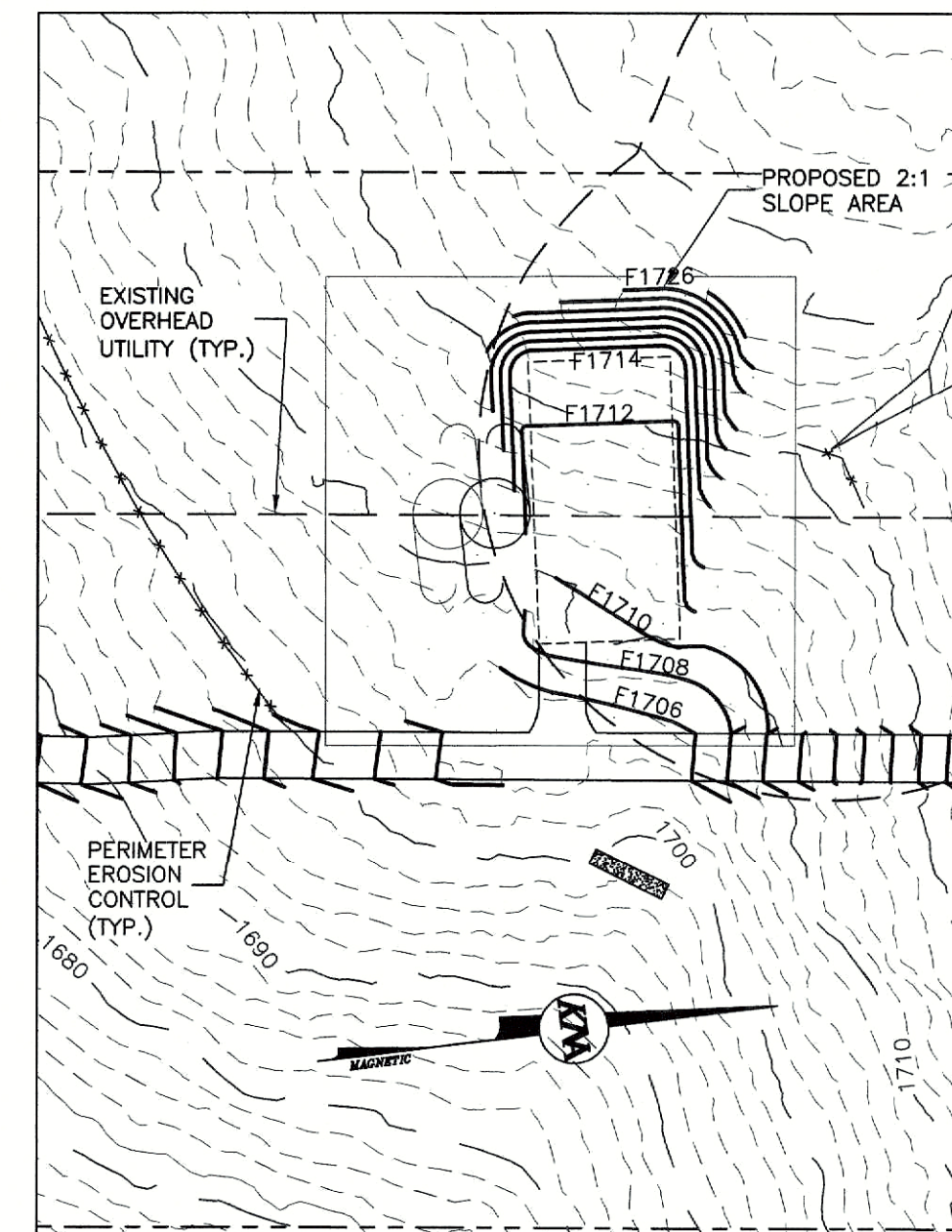
EXISTING POLE 320
PROPOSED POLE 324



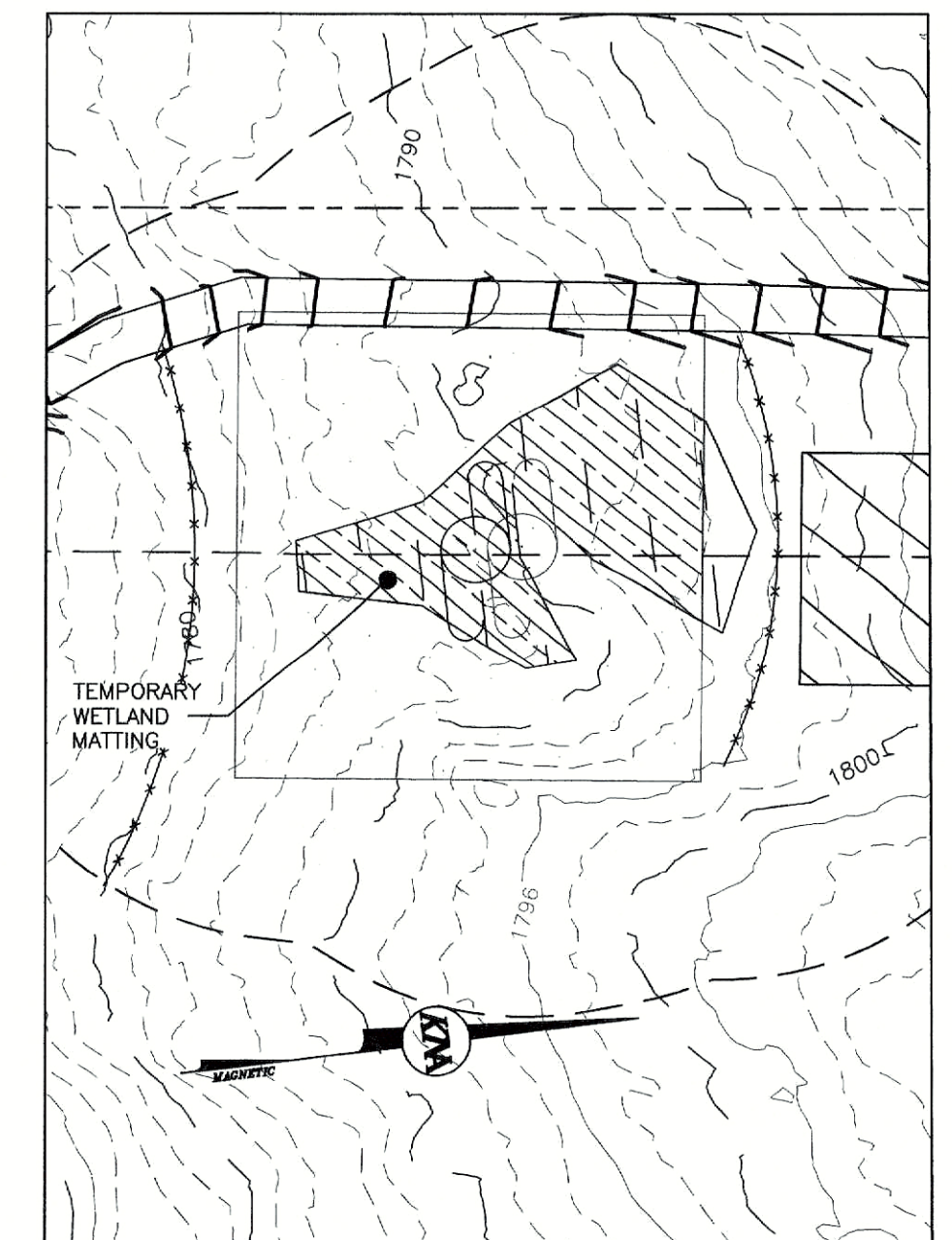
EXISTING POLE 321
PROPOSED POLE 325



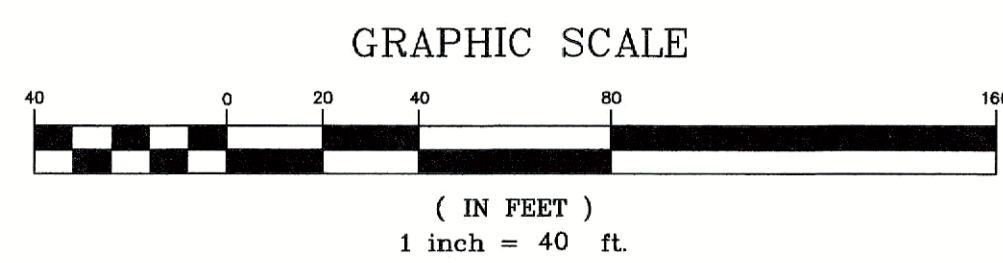
EXISTING POLE 322
PROPOSED POLE 326



EXISTING POLE 323
PROPOSED POLE 327



EXISTING POLE 324
PROPOSED POLE 328



SEE SHEET 1 FOR NOTES

PROJECT NO. 22-0817-1

PREPARED FOR:

GZA-GEOENVIRONMENTAL, INC.
5 COMMERCE PARK NORTH SUITE 201
BEDFORD, NEW HAMPSHIRE 03110

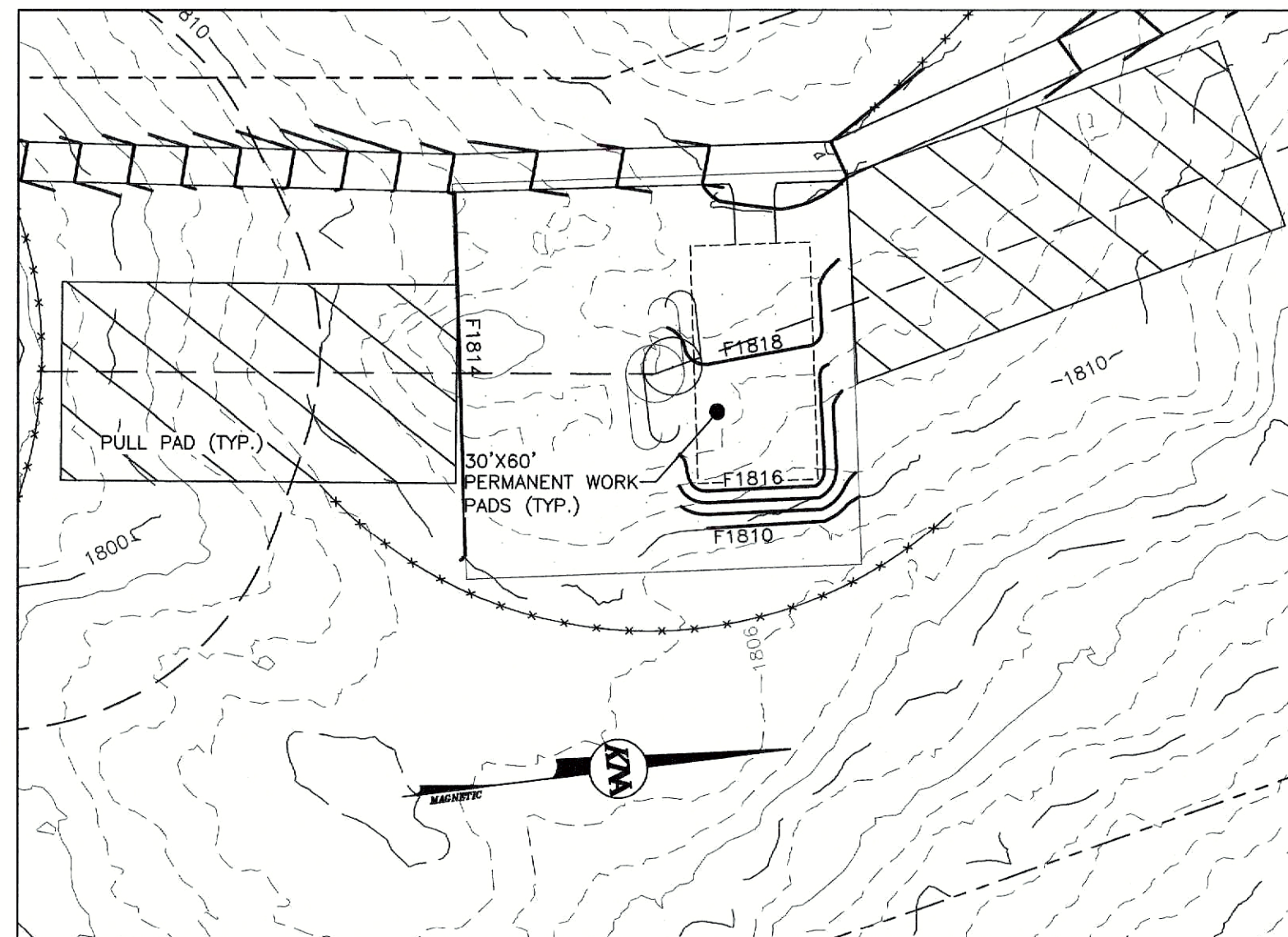
REVISIONS

DATE	DESCRIPTION

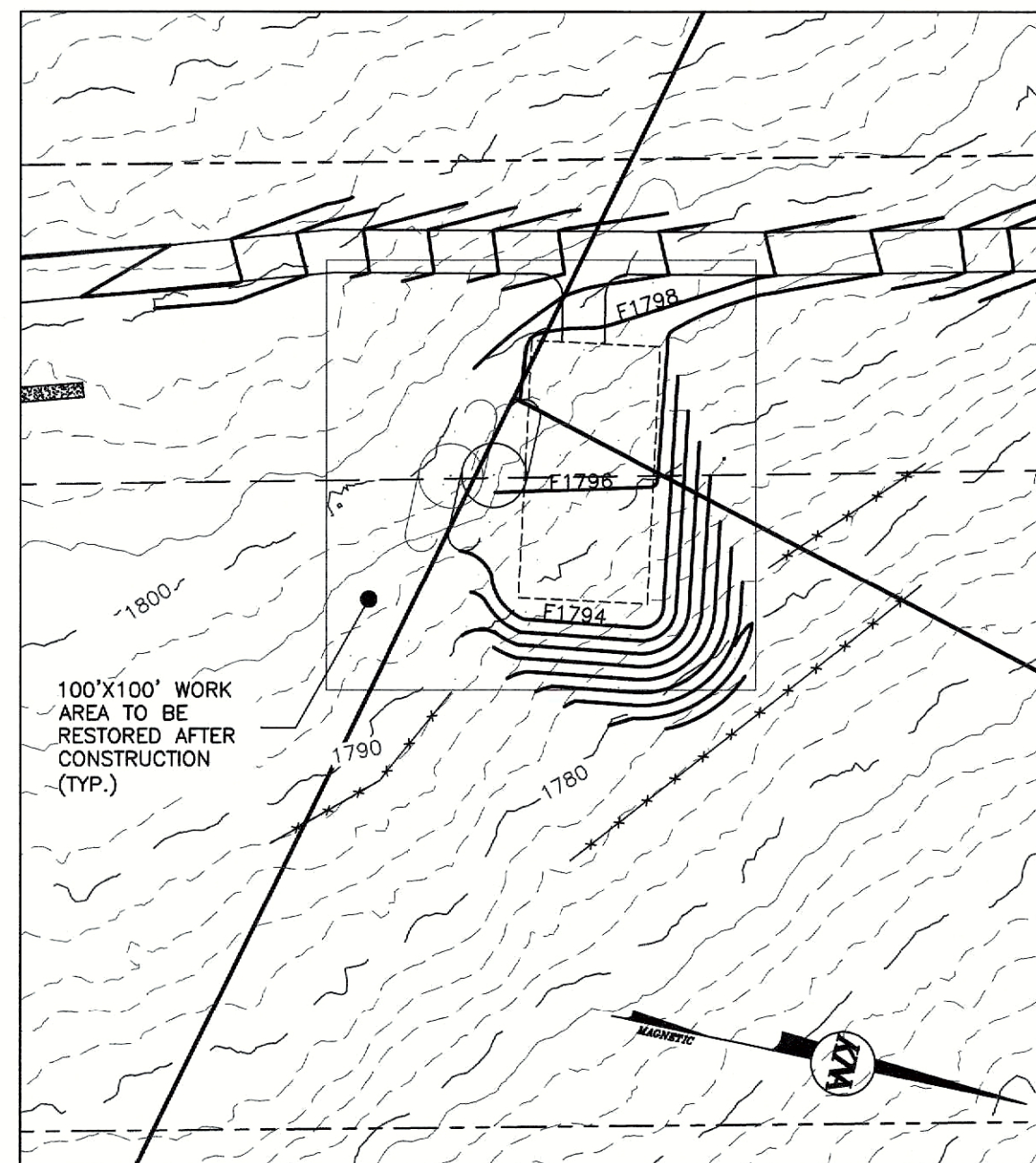
DATE: 06/03/2024

SCALE: 1"=40'

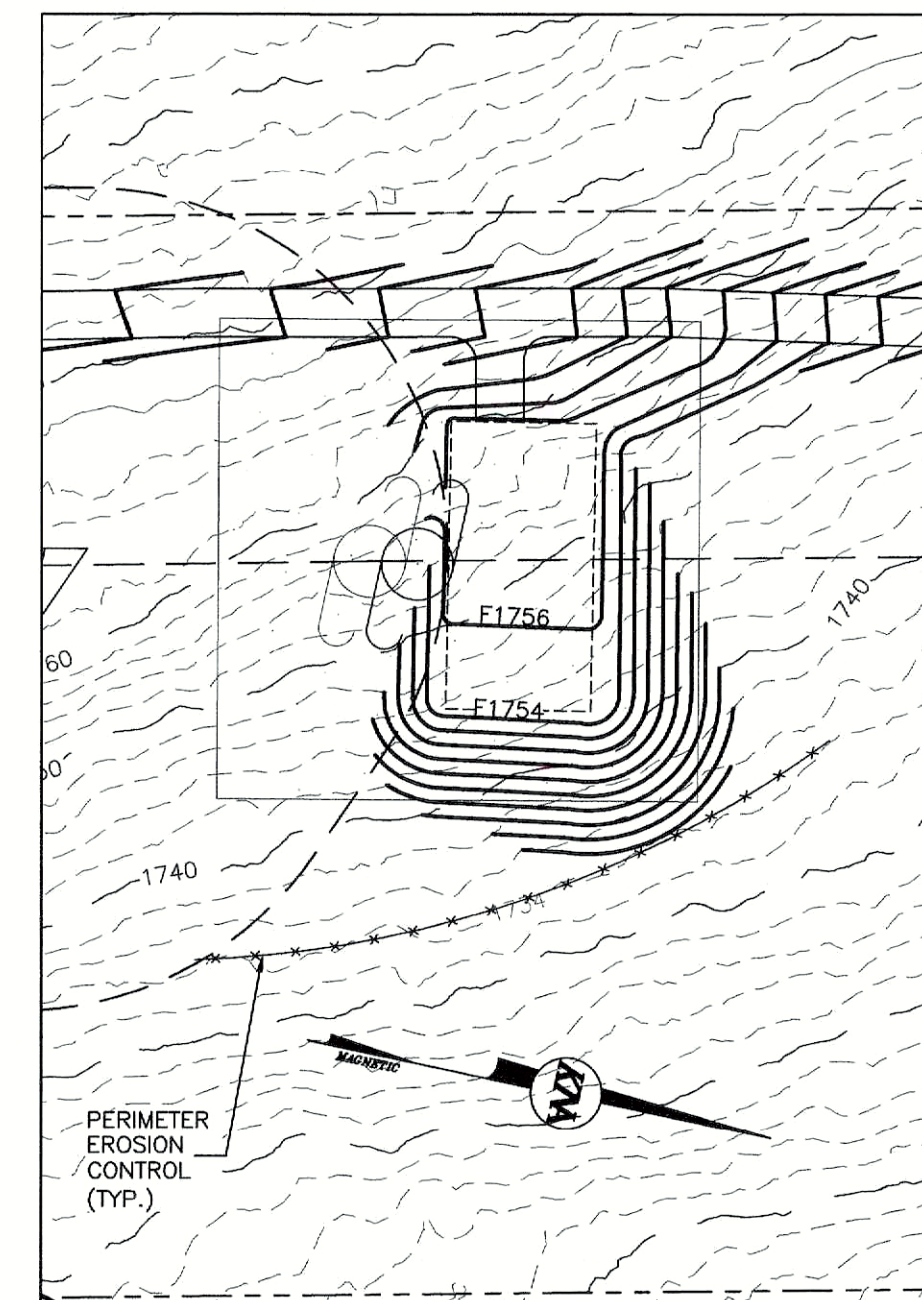
SHEET 9_OF_19



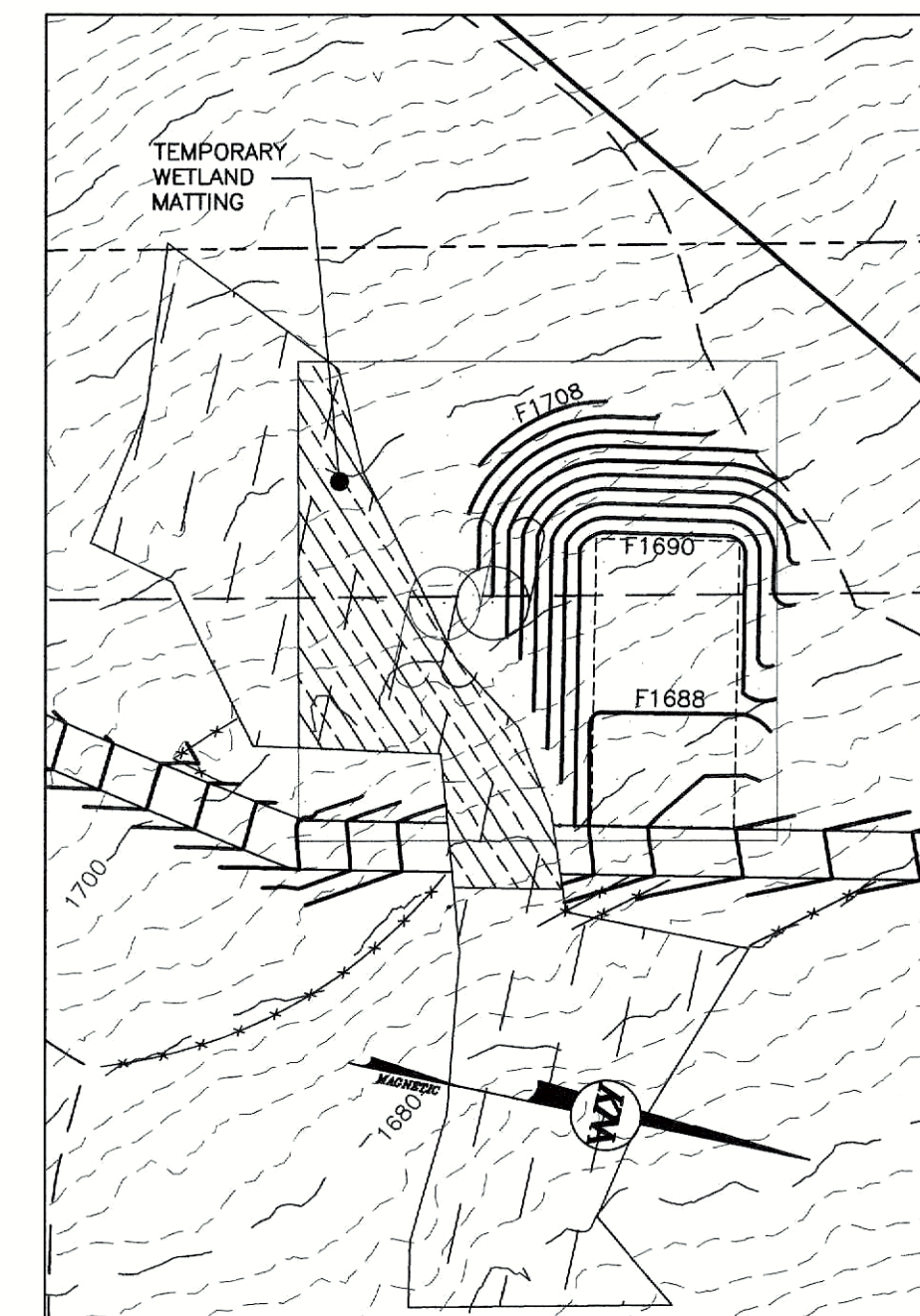
EXISTING POLE 325
PROPOSED POLE 329



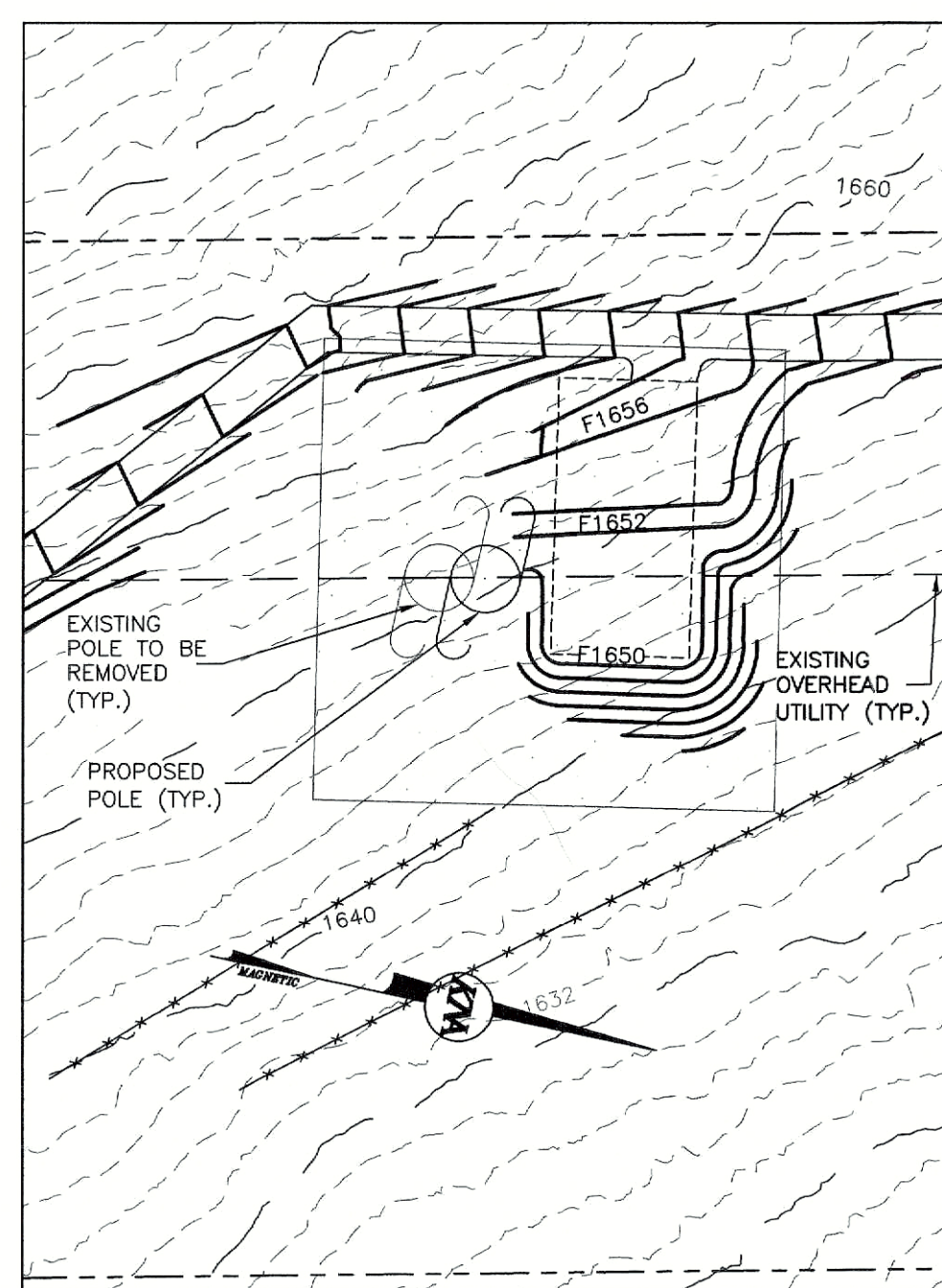
EXISTING POLE 326
PROPOSED POLE 330



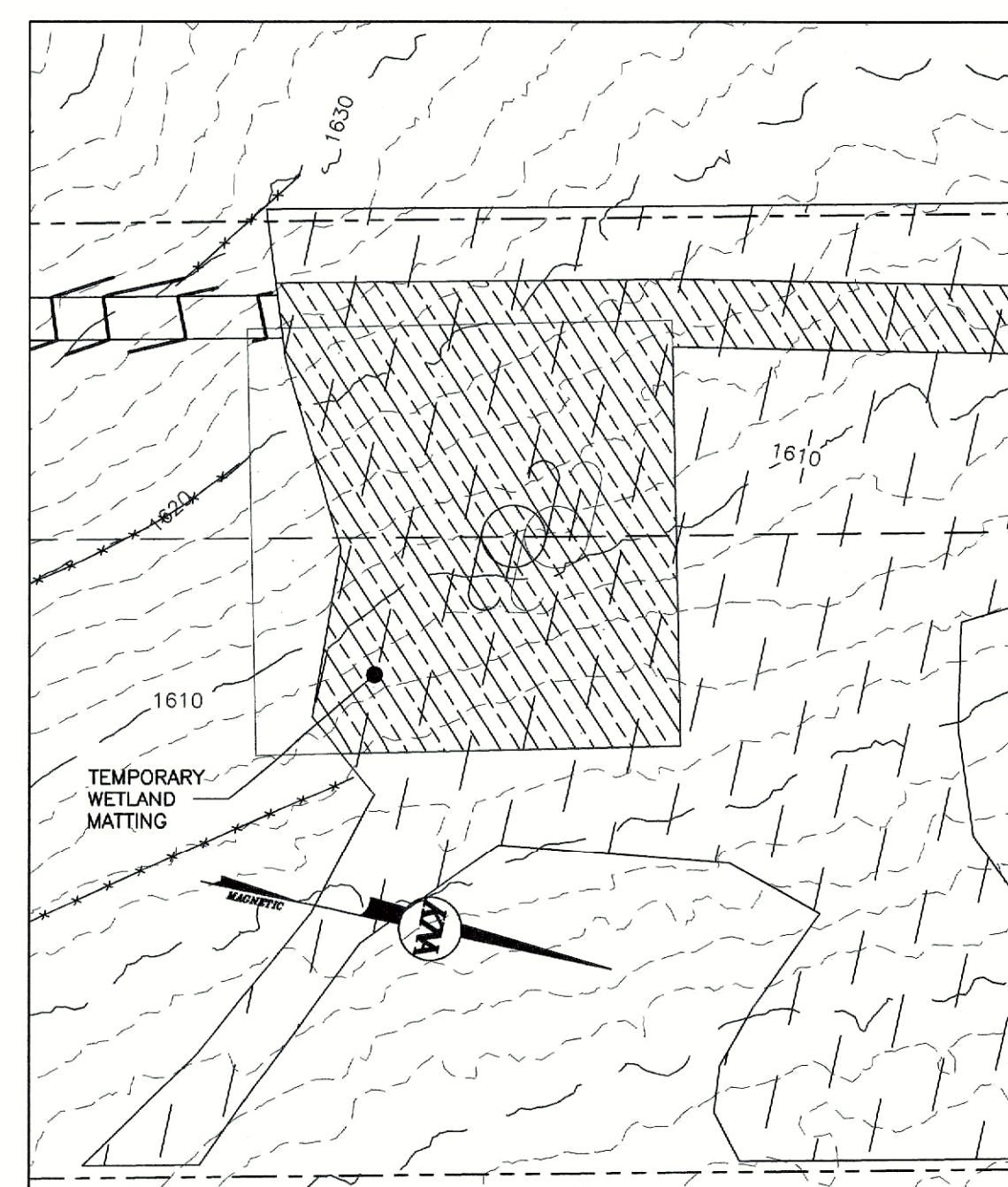
EXISTING POLE 327
PROPOSED POLE 331



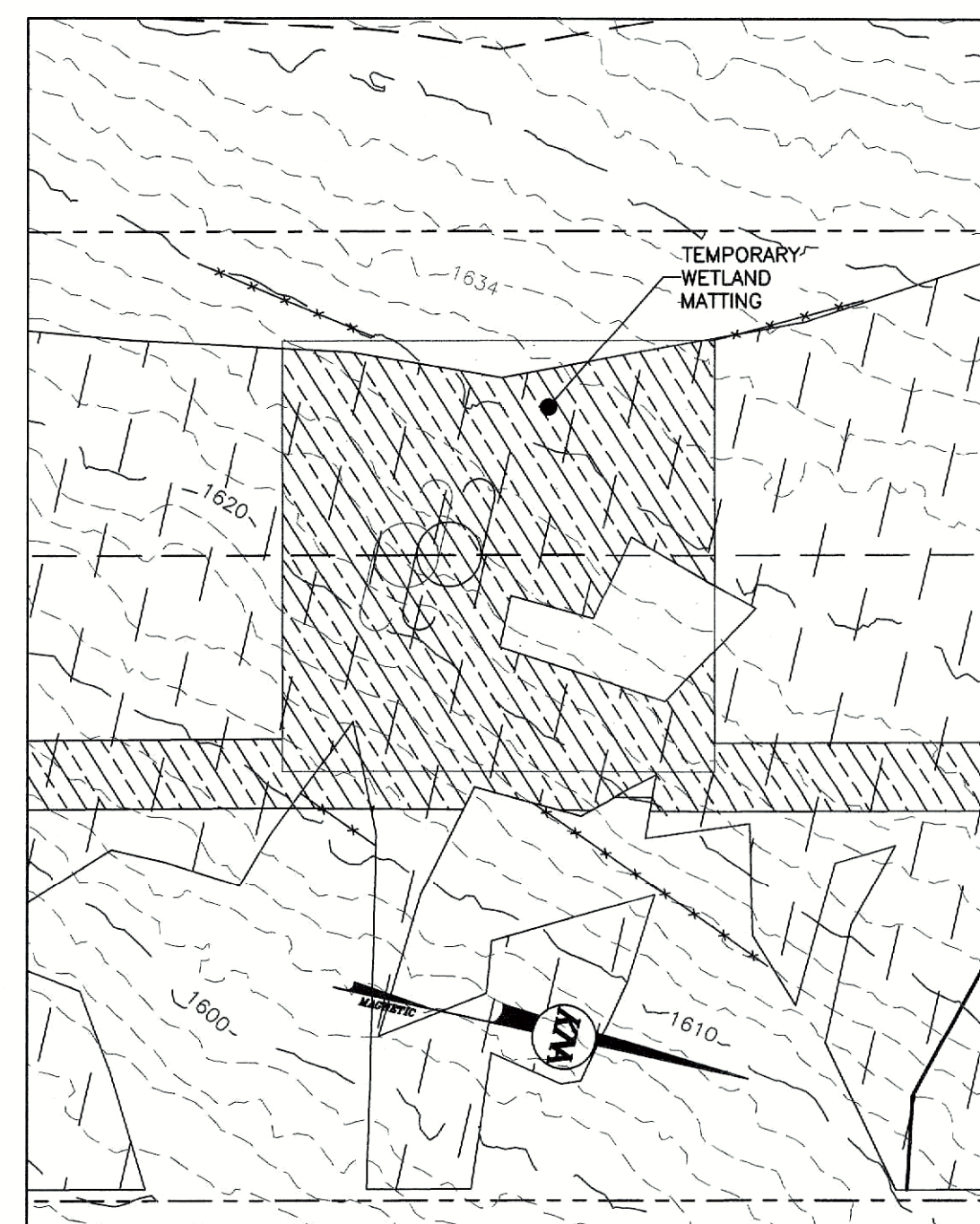
EXISTING POLE 328
PROPOSED POLE 332



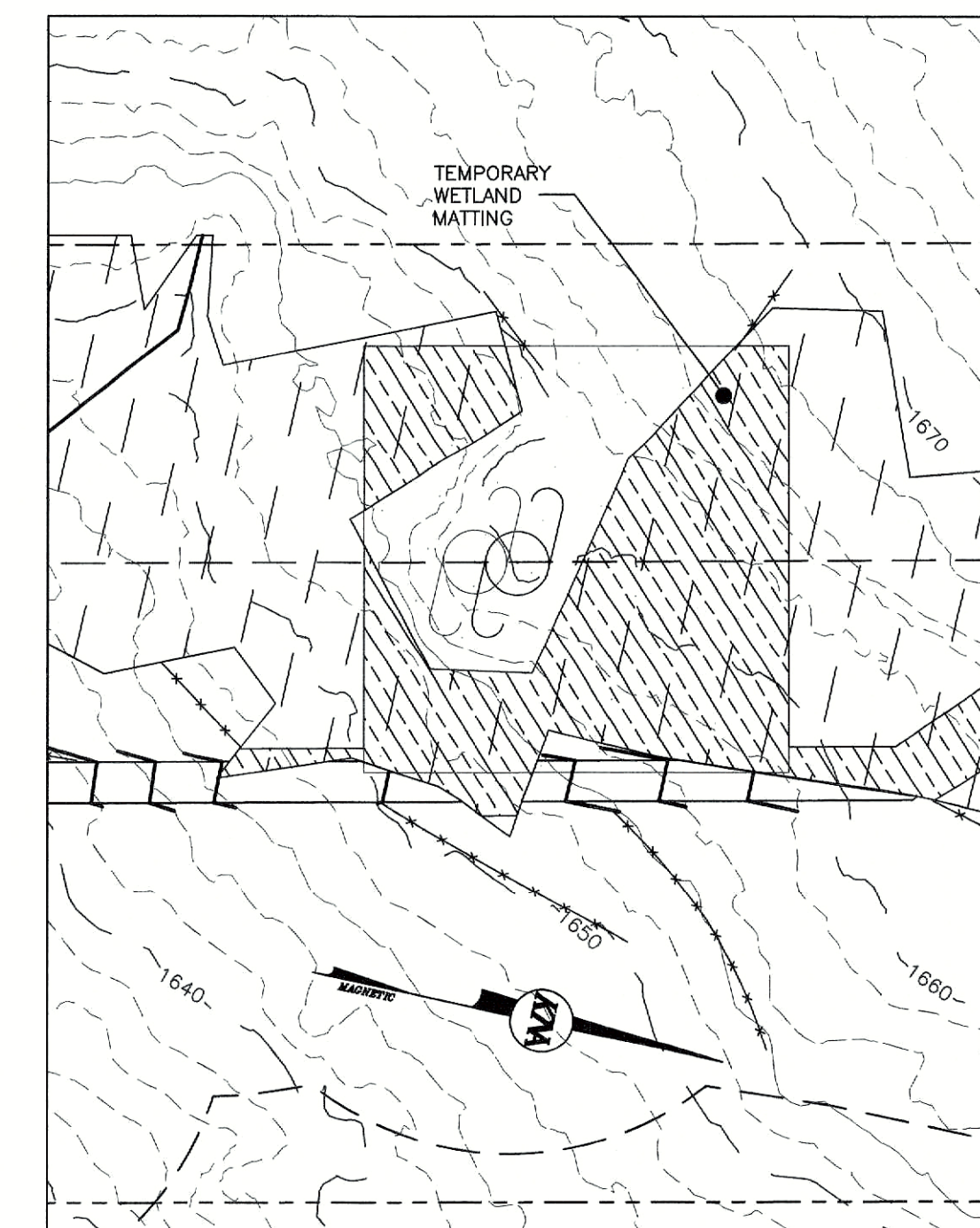
EXISTING POLE 329
PROPOSED POLE 333



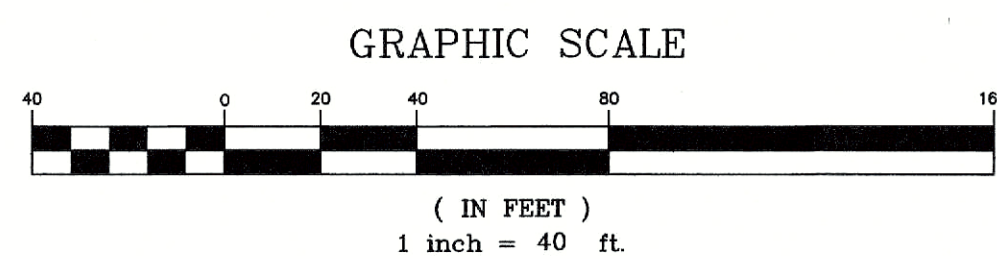
EXISTING POLE 330
PROPOSED POLE 334



EXISTING POLE 331
PROPOSED POLE 335



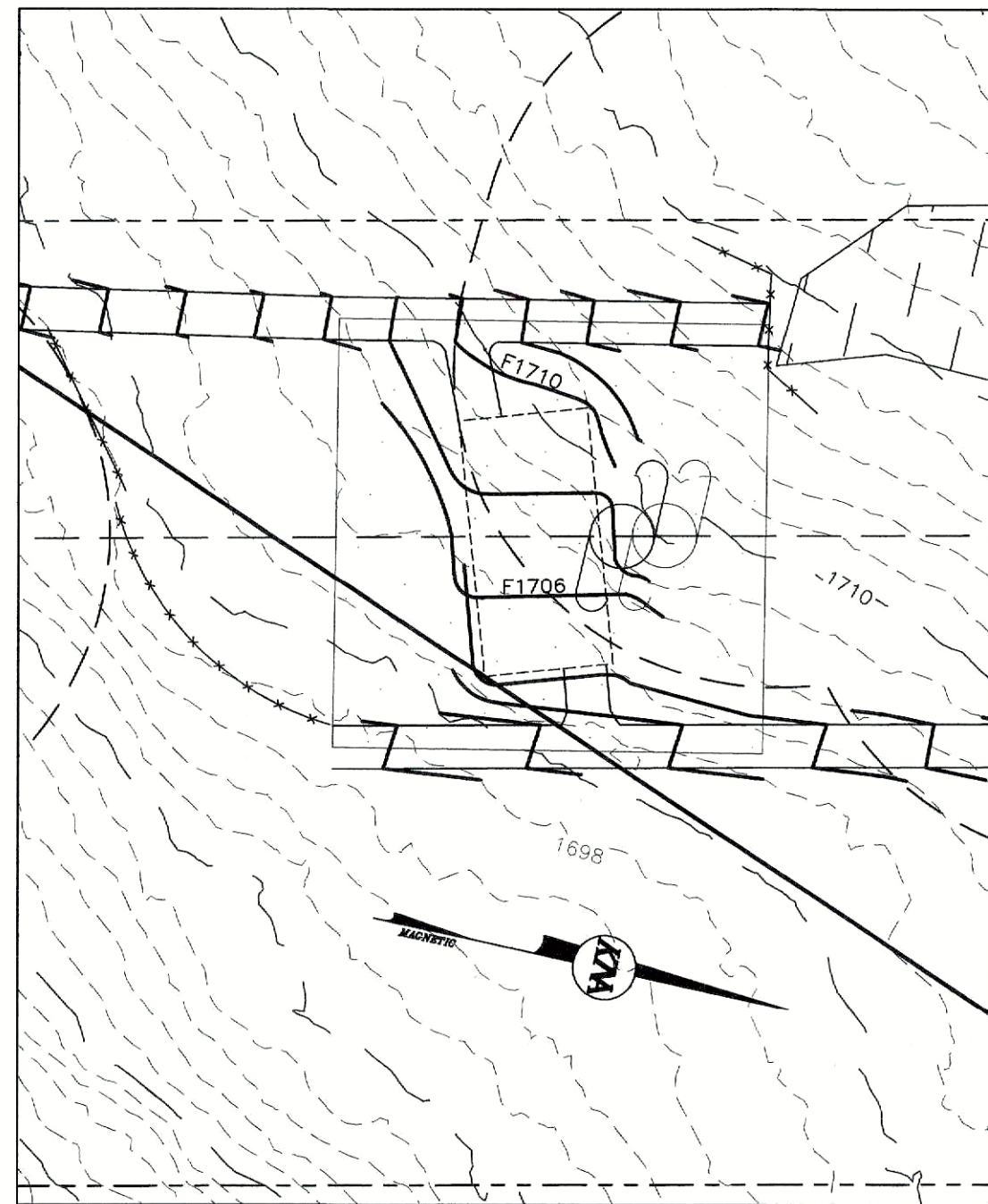
EXISTING POLE 332
PROPOSED POLE 336



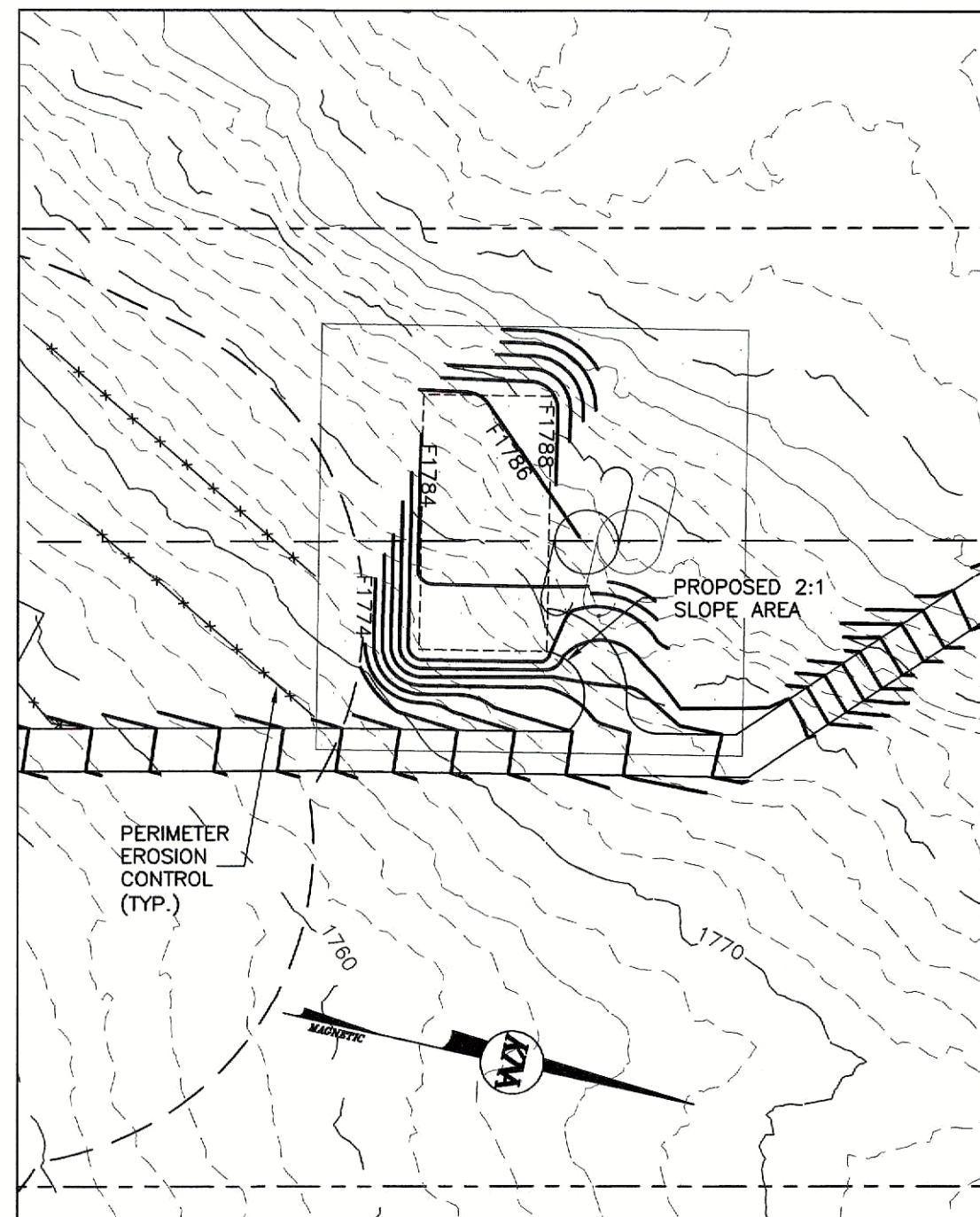
SEE SHEET 1 FOR NOTES

PROJECT NO. 22-0817-1

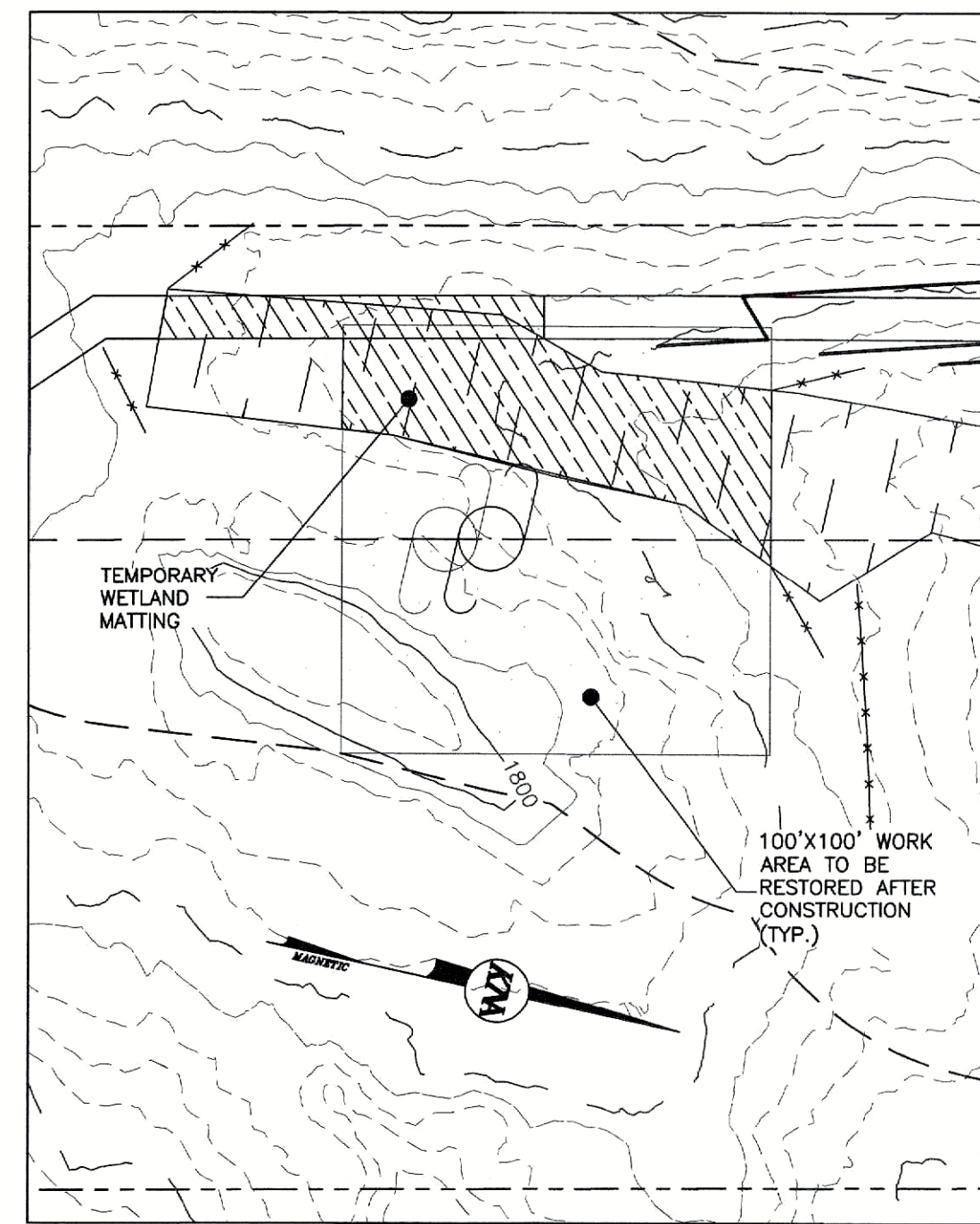
DATE	DESCRIPTION



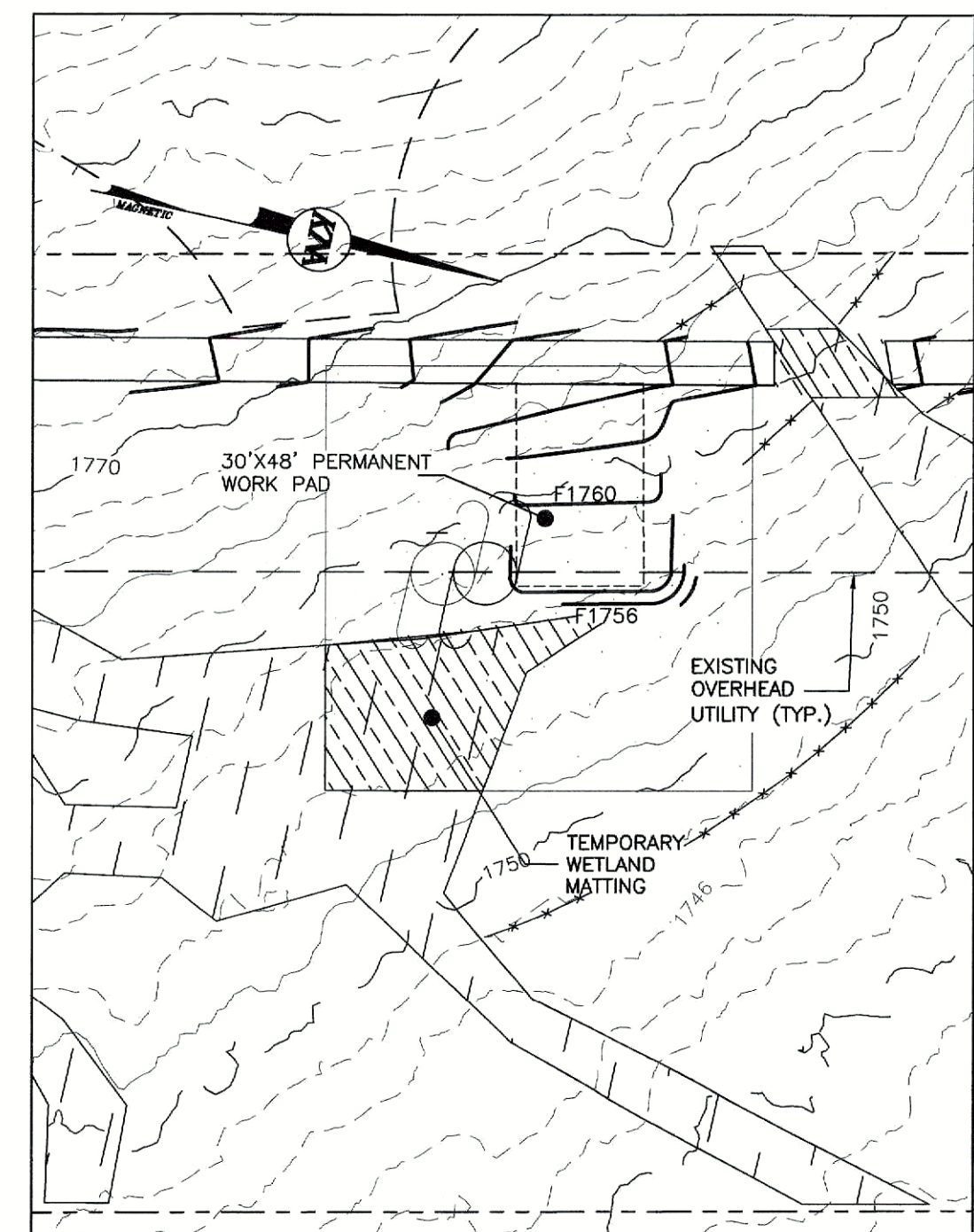
EXISTING POLE 333
PROPOSED POLE 337



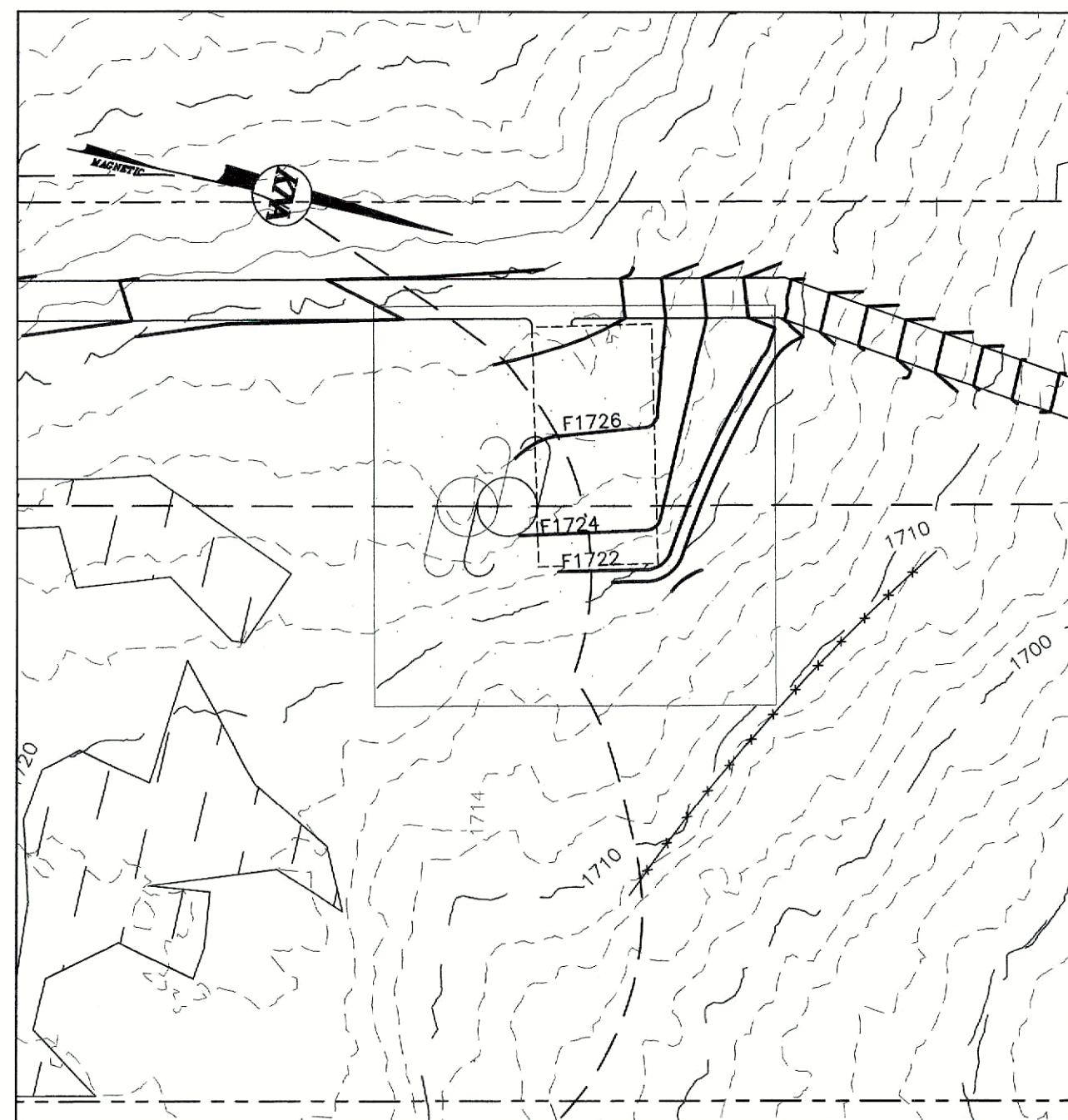
EXISTING POLE 334
PROPOSED POLE 338



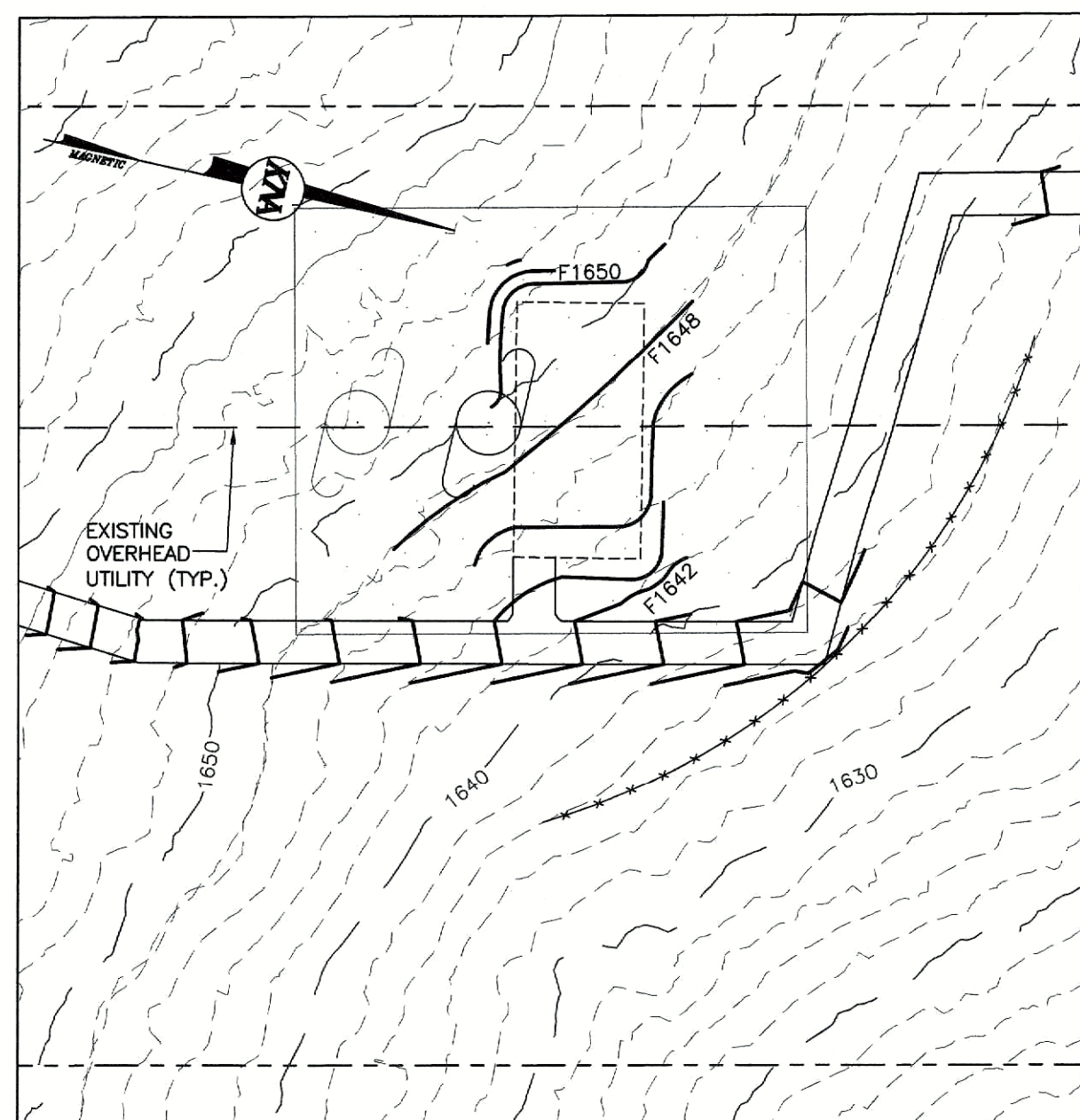
EXISTING POLE 335
PROPOSED POLE 339



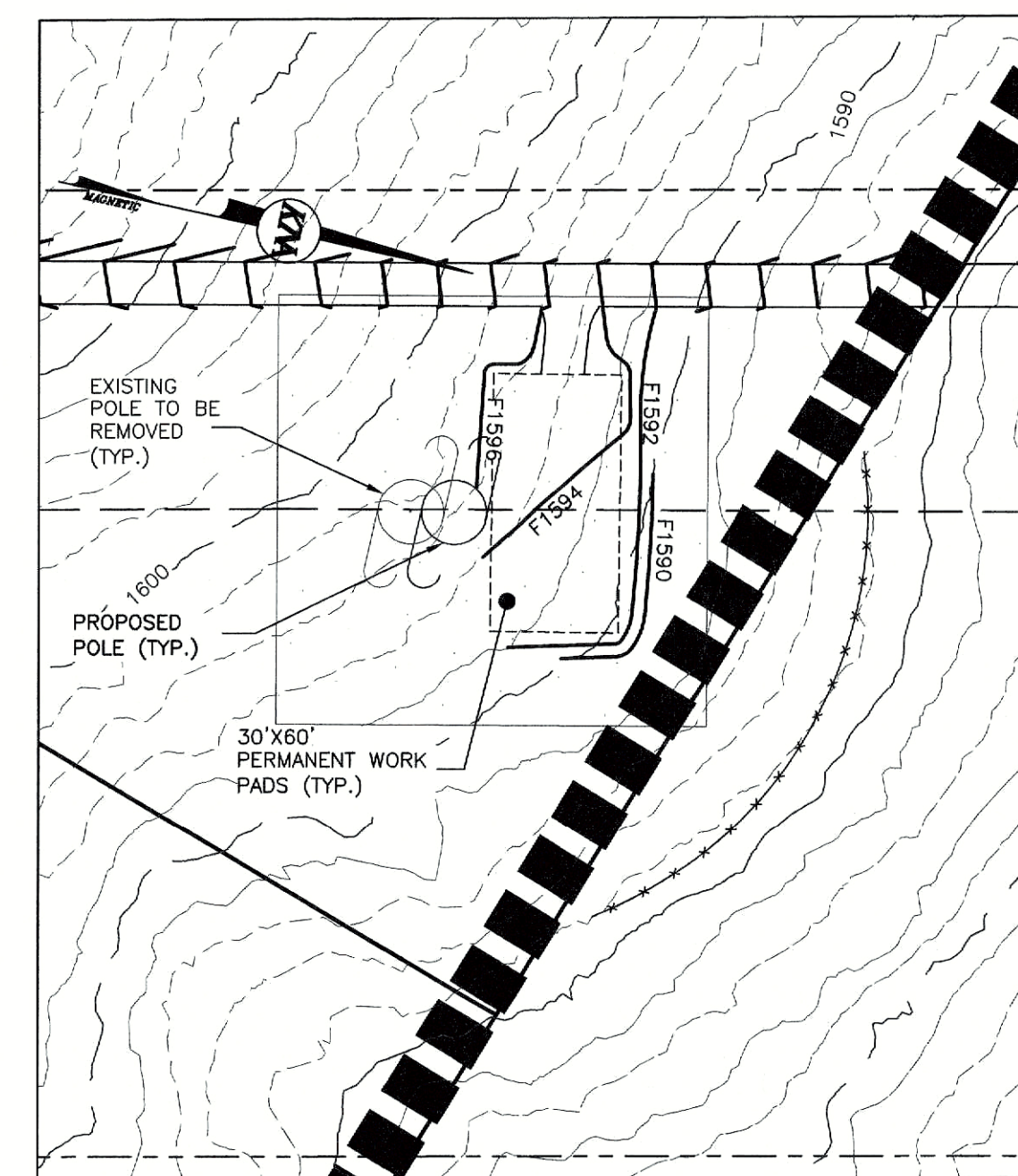
EXISTING POLE 336
PROPOSED POLE 340



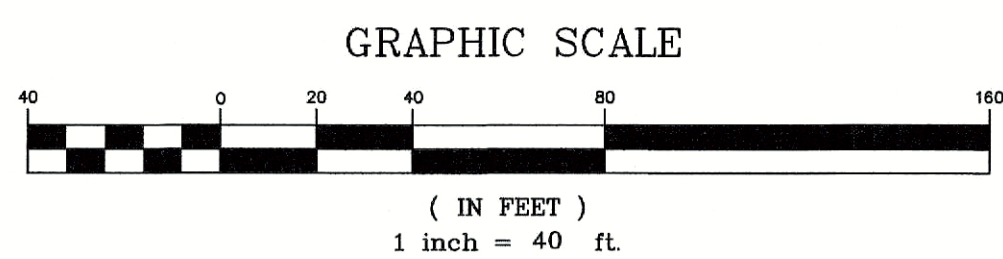
EXISTING POLE 337
PROPOSED POLE 341



EXISTING POLE 338
PROPOSED POLE 342



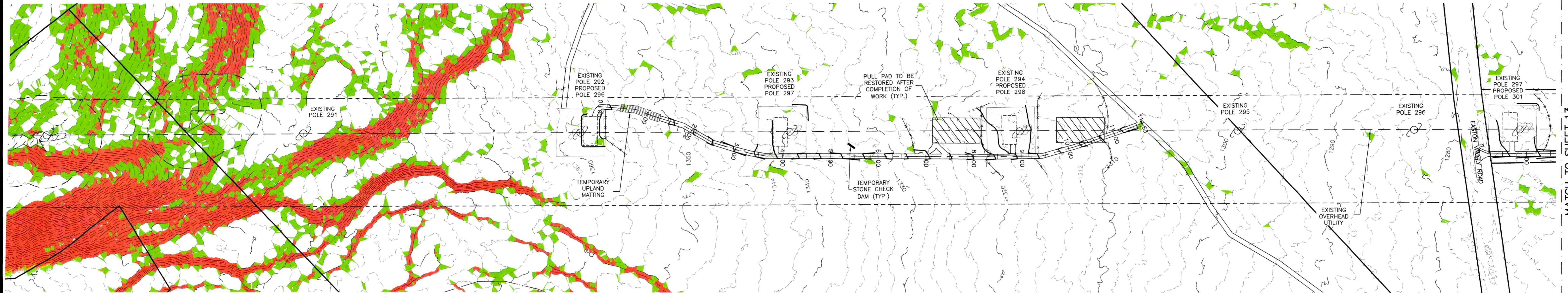
EXISTING POLE 339
PROPOSED POLE 343



SEE SHEET 1 FOR NOTES

PROJECT NO. 22-0817-1

DATE	DESCRIPTION



MATCH TO SHEET 13

SLOPE IMPACTS:

STATIONING	15%-24.99%	>25%
0+00 TO 11+63	392 SQ. FT.	0 SQ. FT.
0+00 TO 2+00	0 SQ. FT.	0 SQ. FT.

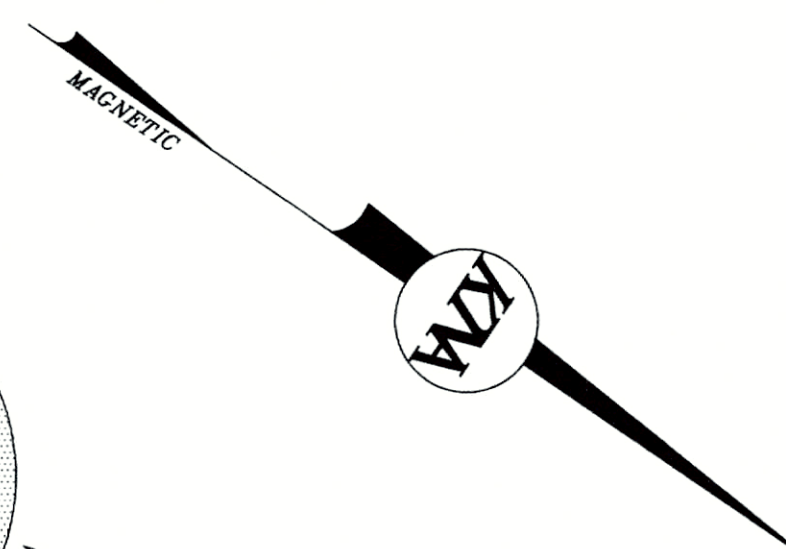
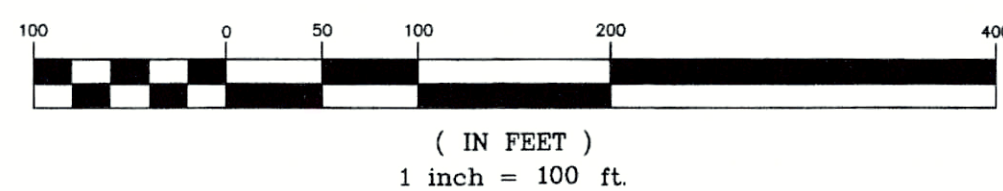
LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- SLOPES 15%-24.99%
- SLOPES >=25%
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS (SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS

NOTES:

1. THE PURPOSE OF THIS PLAN IS TO SHOW SLOPES 15%-25% AND >25% THROUGH THE X178 TRANSMISSION CORRIDOR. THE TOWN OF EASTON STEEP SLOPES ORDINANCE REQUIRES GRADING AND EROSION AND SEDIMENT CONTROL PLANS FOR PROJECTS THAT DISTURB LAND ON 15% OR GREATER SLOPES.

GRAPHIC SCALE



1	2	3	4	5	6	7
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KEY PLAN
SCALE: 1" = 1,000'



PROJECT NO. 22-0817-1

PREPARED FOR:

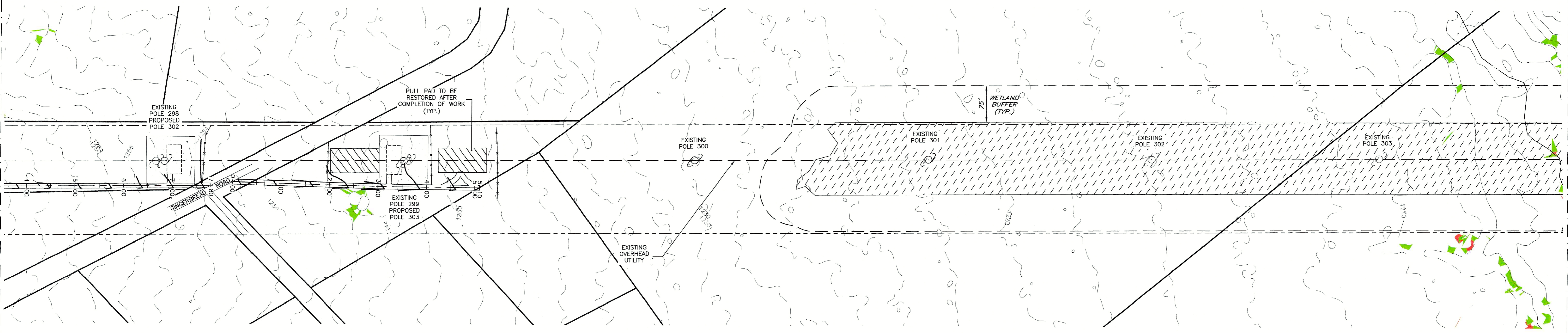
GZA-GEOENVIRONMENTAL, INC.
5 COMMERCE PARK NORTH SUITE 201
BEDFORD, NEW HAMPSHIRE 03110

REVISIONS

DATE	DESCRIPTION

MATCH TO SHEET 12

MATCH TO SHEET 14

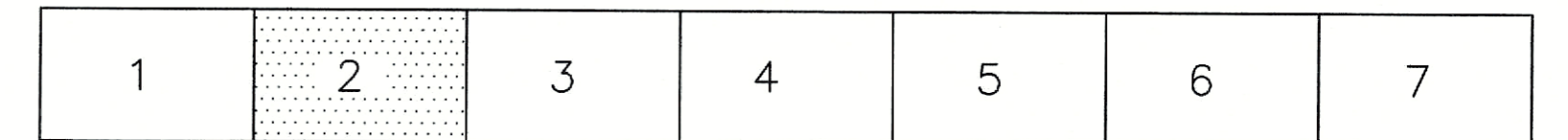
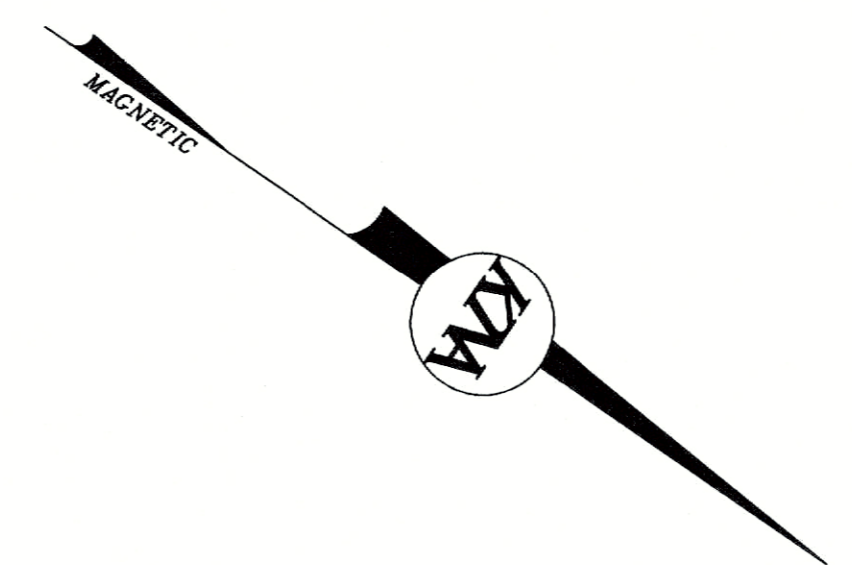


SLOPE IMPACTS:

STATIONING	15%-24.99%	>25%
2+00 TO 5+10	0 SQ. FT.	0 SQ. FT.

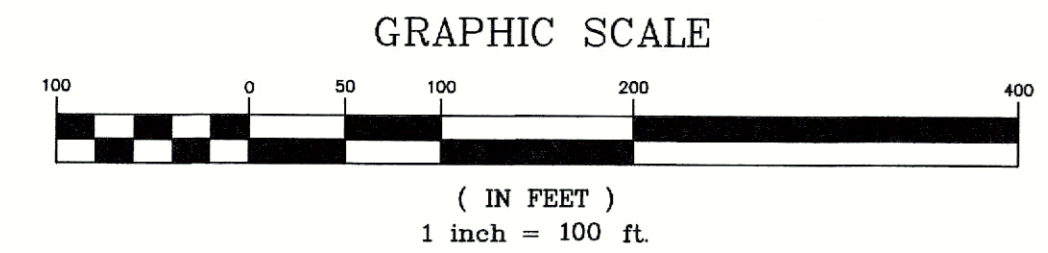
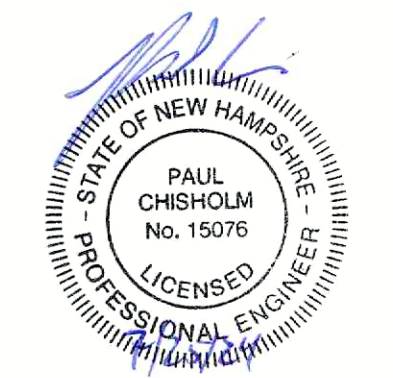
LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- SLOPES 15%-24.99%
- SLOPES >=25%
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS (SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS



KEY PLAN
SCALE: 1" = 1,000'

SEE SHEET 12 FOR NOTES



PROJECT NO. 22-0817-1

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

X178-2 TRANSMISSION LINE REBUILD AND OPGW PROJECT
STEEP SLOPES PLAN
EASTON, NH
GRAFTON COUNTY

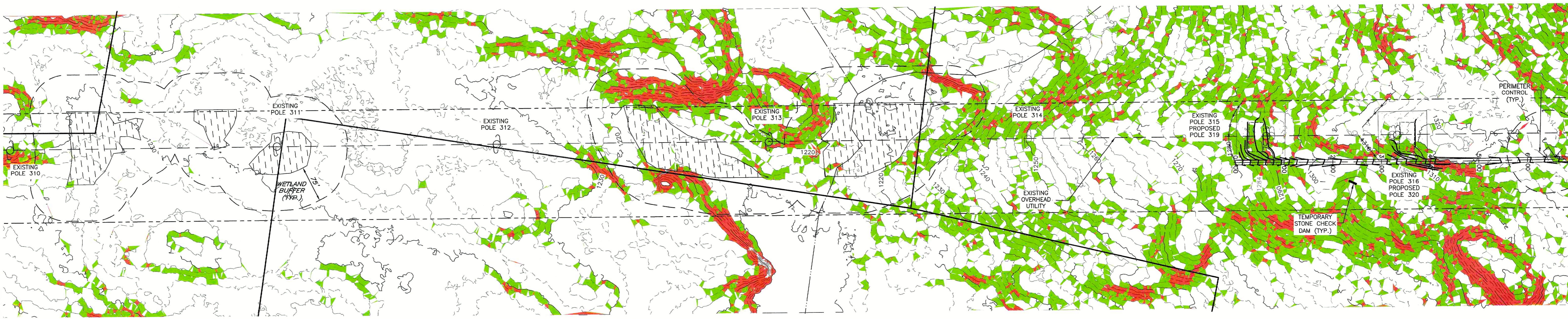
PREPARED FOR:
GZA-GEOENVIRONMENTAL, INC.
5 COMMERCE PARK NORTH SUITE 201
BEDFORD, NEW HAMPSHIRE 03110

REVISIONS DATE	DESCRIPTION

DATE: 06/03/2024
SCALE: 1"=100'
SHEET 13 OF 19

MATCH TO SHEET 13

MATCH TO SHEET 15



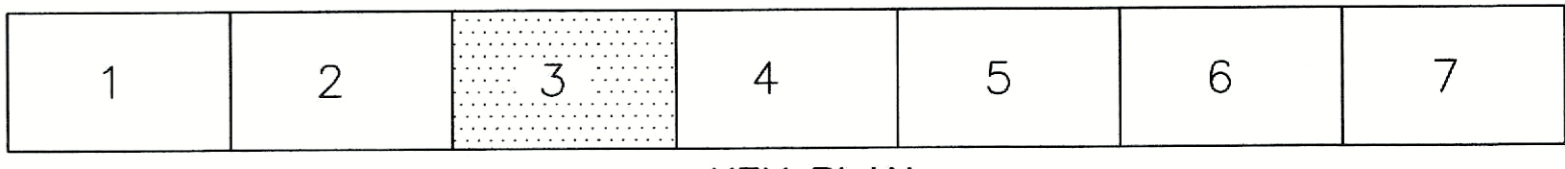
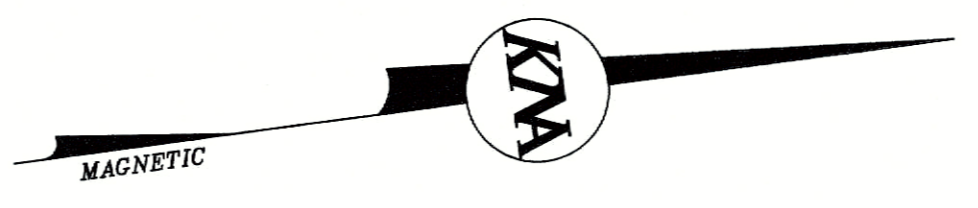
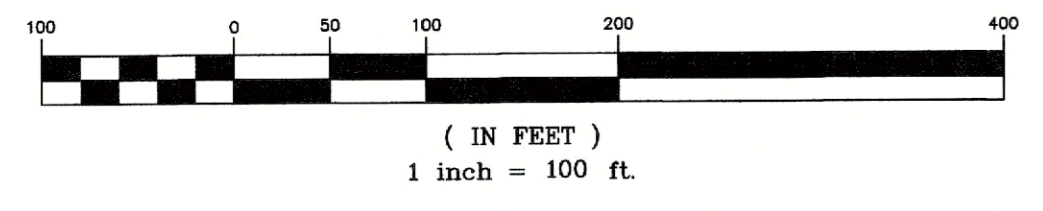
SLOPE IMPACTS:

STATIONING	15%-24.99%	>25%
0+00 TO 7+00	11,866 SQ. FT.	1,603 SQ. FT.

LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- SLOPES 15%-24.99%
- SLOPES >=25%
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS (SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS

GRAPHIC SCALE



KEY PLAN
SCALE: 1" = 1,000'

SEE SHEET 12 FOR NOTES



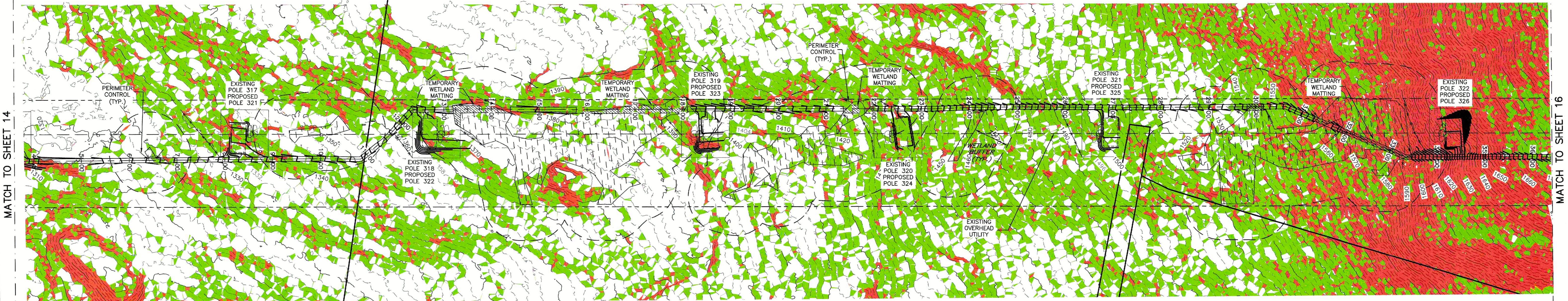
PROJECT NO. 22-0817-1

PREPARED FOR:

GZA-GEOENVIRONMENTAL, INC.
5 COMMERCE PARK NORTH SUITE 201
BEDFORD, NEW HAMPSHIRE 03110

REVISIONS

DATE	DESCRIPTION



MATCH TO SHEET 14

MATCH TO SHEET 16

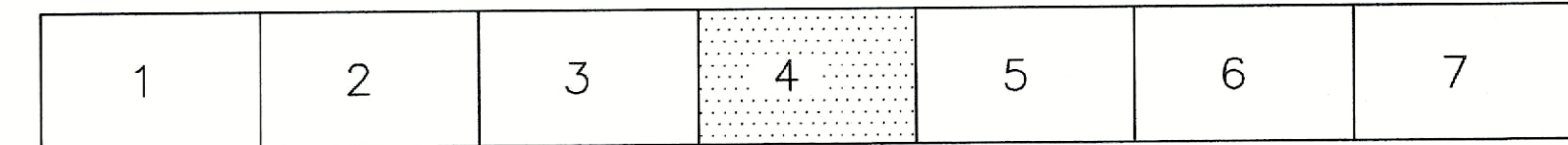
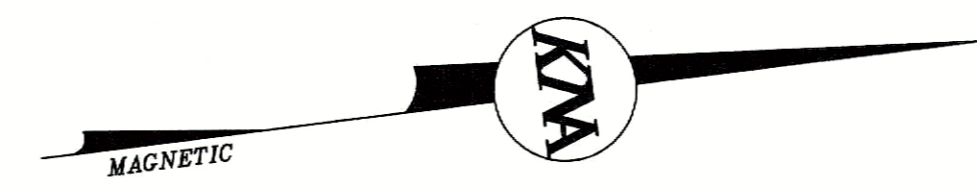
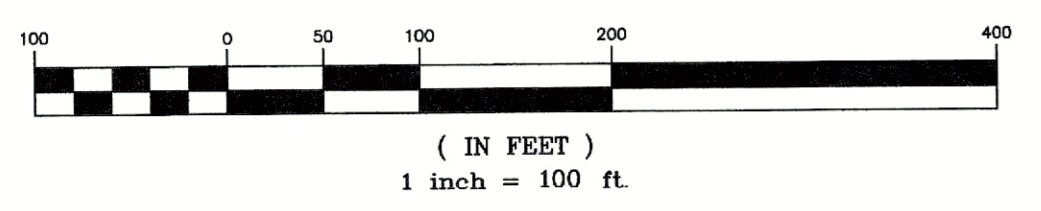
SLOPE IMPACTS:

STATIONING	15%-24.99%	>25%
7+00 TO 23+00	27,147 SQ. FT.	2,341 SQ. FT.
23+00 TO 36+00	15,872 SQ. FT.	15,911 SQ. FT.

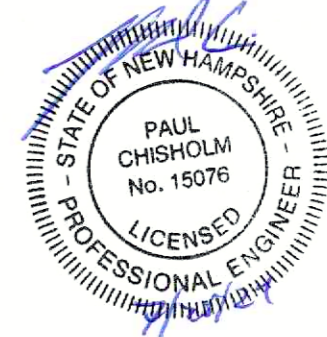
LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- SLOPES 15%-24.99%
- SLOPES >=25%
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS (SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS

GRAPHIC SCALE



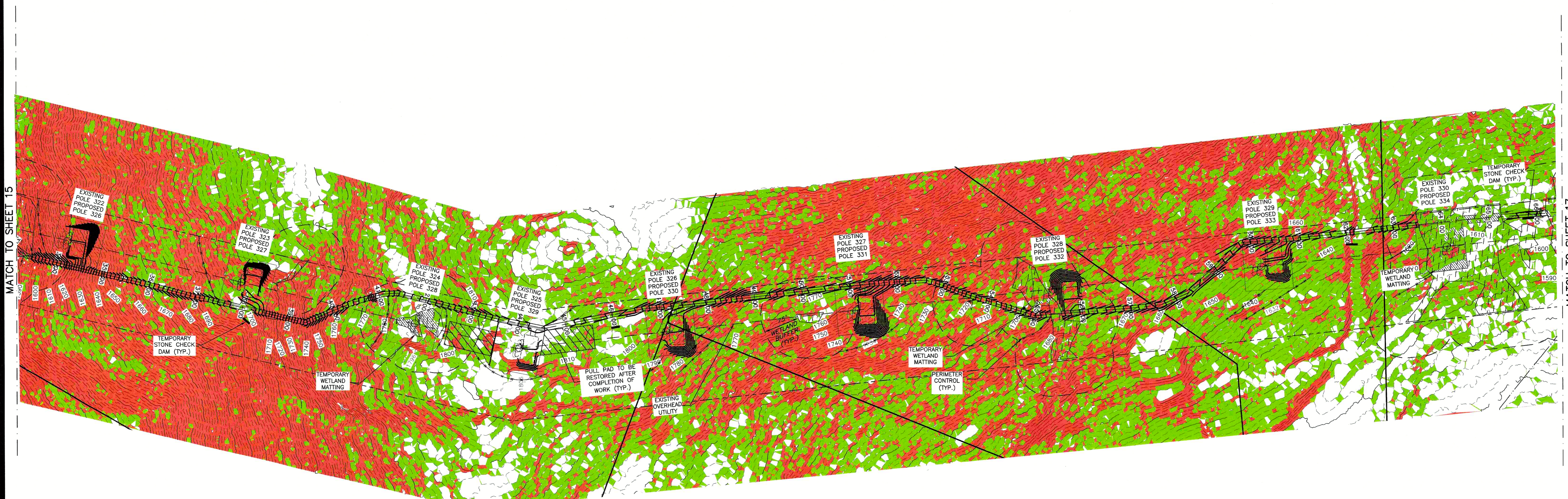
KEY PLAN
SCALE: 1" = 1,000'



SEE SHEET 12 FOR NOTES

PROJECT NO. 22-0817-1



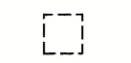






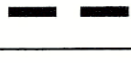


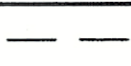
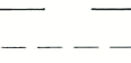


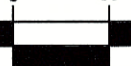



REVISIONS DATE	DESCRIPTION

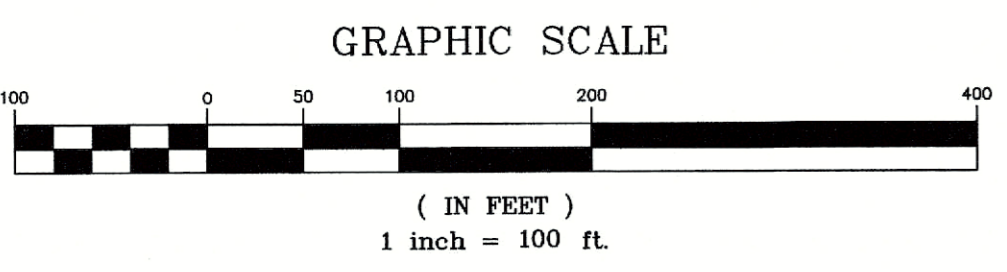


MATCH TO SHEET 15

MATCH TO SHEET 17

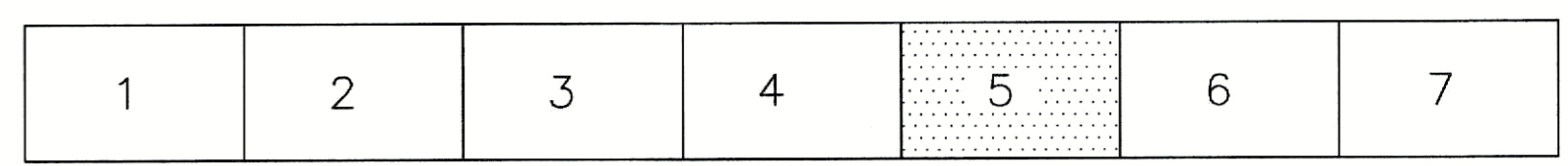
LEGEND

-  TEMPORARY PULL PAD
-  TEMPORARY WORK PAD
-  30' X 60' PERMANENT WORK PADS
-  WETLAND AREA
-  TEMPORARY WETLAND IMPACT/MATTING
-  TEMPORARY UPLAND MATTING
-  EXISTING UTILITY POLE
-  EXISTING UTILITY POLE TO BE REMOVED
-  PROPOSED UTILITY POLE
-  SLOPES 15%-24.99%
-  SLOPES >=25%
-  TOWN LINE
-  PROPOSED GRAVEL ACCESS
-  PROPERTY LINE
-  PERIMETER CONTROLS (SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
-  TRANSMISSION LINE RIGHT OF WAY
-  WETLAND
-  75' WETLAND BUFFER
-  EXISTING MAJOR CONTOURS
-  EXISTING MINOR CONTOURS



SLOPE IMPACTS:

STATIONING	15%-24.99%	>25%
36+00 TO 49+00	13,950 SQ. FT.	14,350 SQ. FT.
49+00 TO 66+00	30,644 SQ. FT.	18,045 SQ. FT.



SCALE: 1" = 1,000'



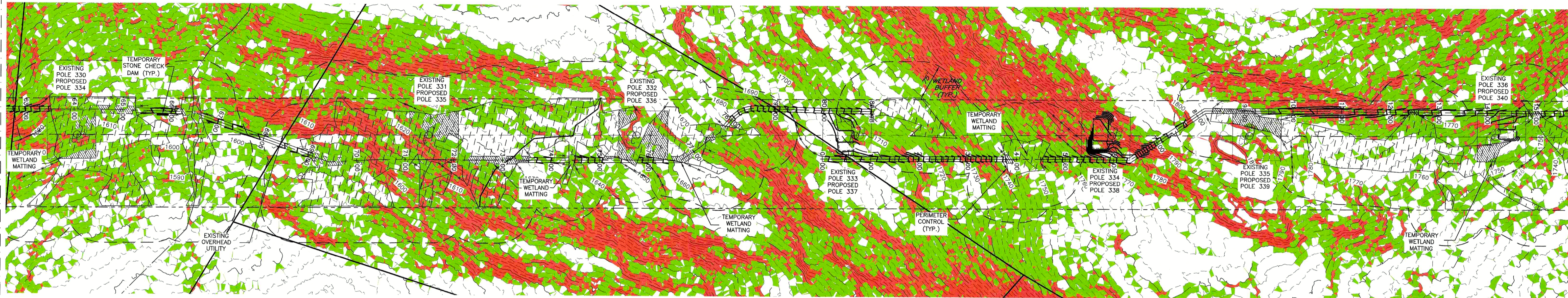
SEE SHEET 12 FOR NOTES

PROJECT NO. 22-0817-1

REVISIONS	DATE	DESCRIPTION

MATCH TO SHEET 16

MATCH TO SHEET 18



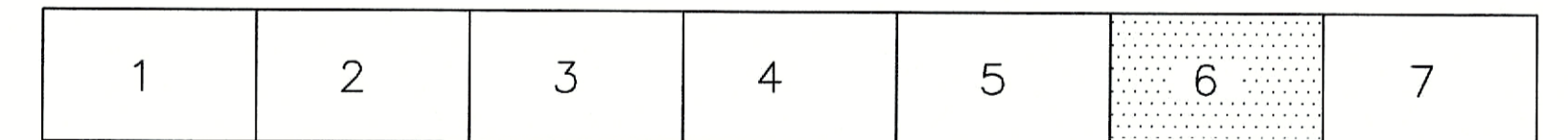
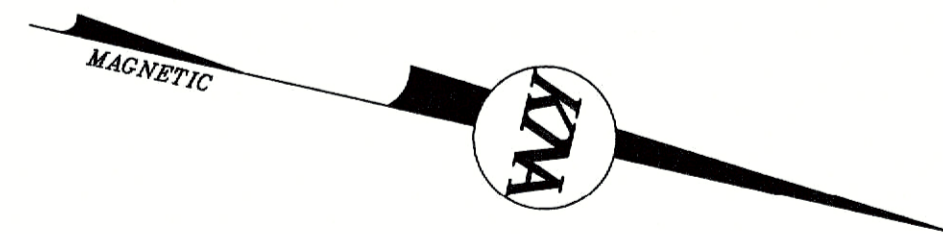
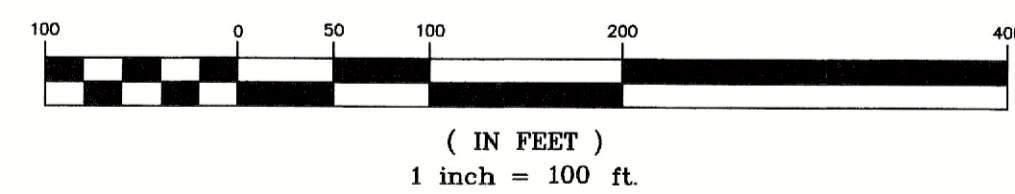
SLOPE IMPACTS:

STATIONING	15%-24.99%	>25%
66+00 TO 80+00	20,926 SQ. FT.	1,720 SQ. FT.
0+00 TO 15+00	22,100 SQ. FT.	13,000 SQ. FT.

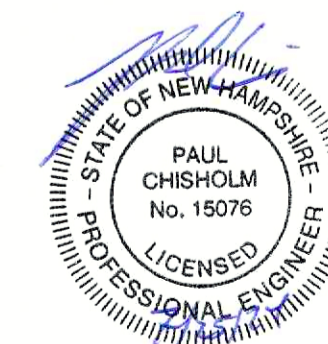
LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- SLOPES 15%-24.99%
- SLOPES >=25%
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS (SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS

GRAPHIC SCALE



KEY PLAN
SCALE: 1" = 1,000'



SEE SHEET 12 FOR NOTES

PROJECT NO. 22-0817-1

PREPARED FOR:

GZA-GEOENVIRONMENTAL, INC.
5 COMMERCE PARK NORTH SUITE 201
BEDFORD, NEW HAMPSHIRE 03110

REVISIONS

DATE	DESCRIPTION

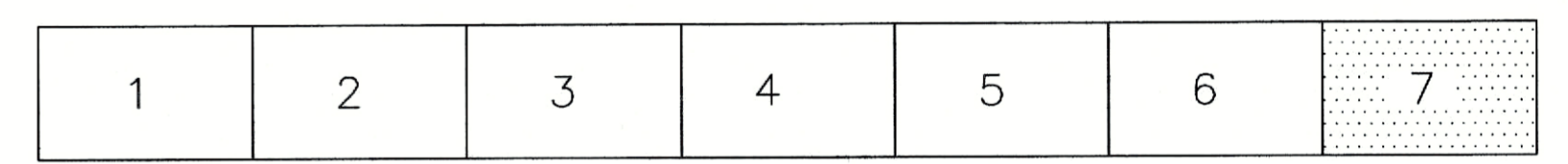
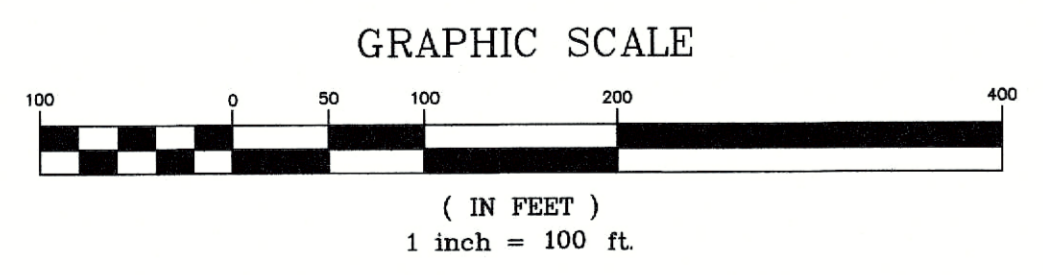


SLOPE IMPACTS:

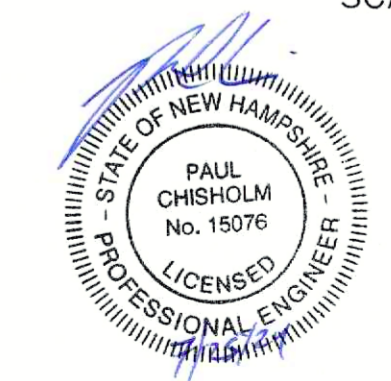
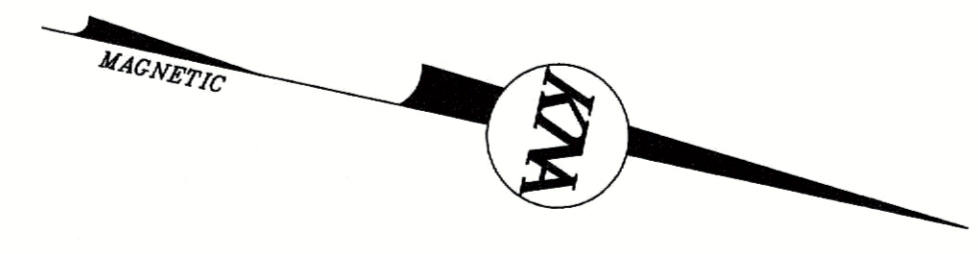
STATIONING	15%-24.99%	>25%
15+00 TO 31+89	30,839 SQ. FT.	0 SQ. FT.

LEGEND

- TEMPORARY PULL PAD
- TEMPORARY WORK PAD
- 30' X 60' PERMANENT WORK PADS
- WETLAND AREA
- TEMPORARY WETLAND IMPACT/MATTING
- TEMPORARY UPLAND MATTING
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE TO BE REMOVED
- PROPOSED UTILITY POLE
- SLOPES 15%-24.99%
- SLOPES >=25%
- TOWN LINE
- PROPOSED GRAVEL ACCESS
- PROPERTY LINE
- PERIMETER CONTROLS (SILT FENCE, SILT FENCE WITH HAY BALE, OR STRAW WATTLE)
- TRANSMISSION LINE RIGHT OF WAY
- WETLAND
- 75' WETLAND BUFFER
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS



KEY PLAN
SCALE: 1" = 1,000'

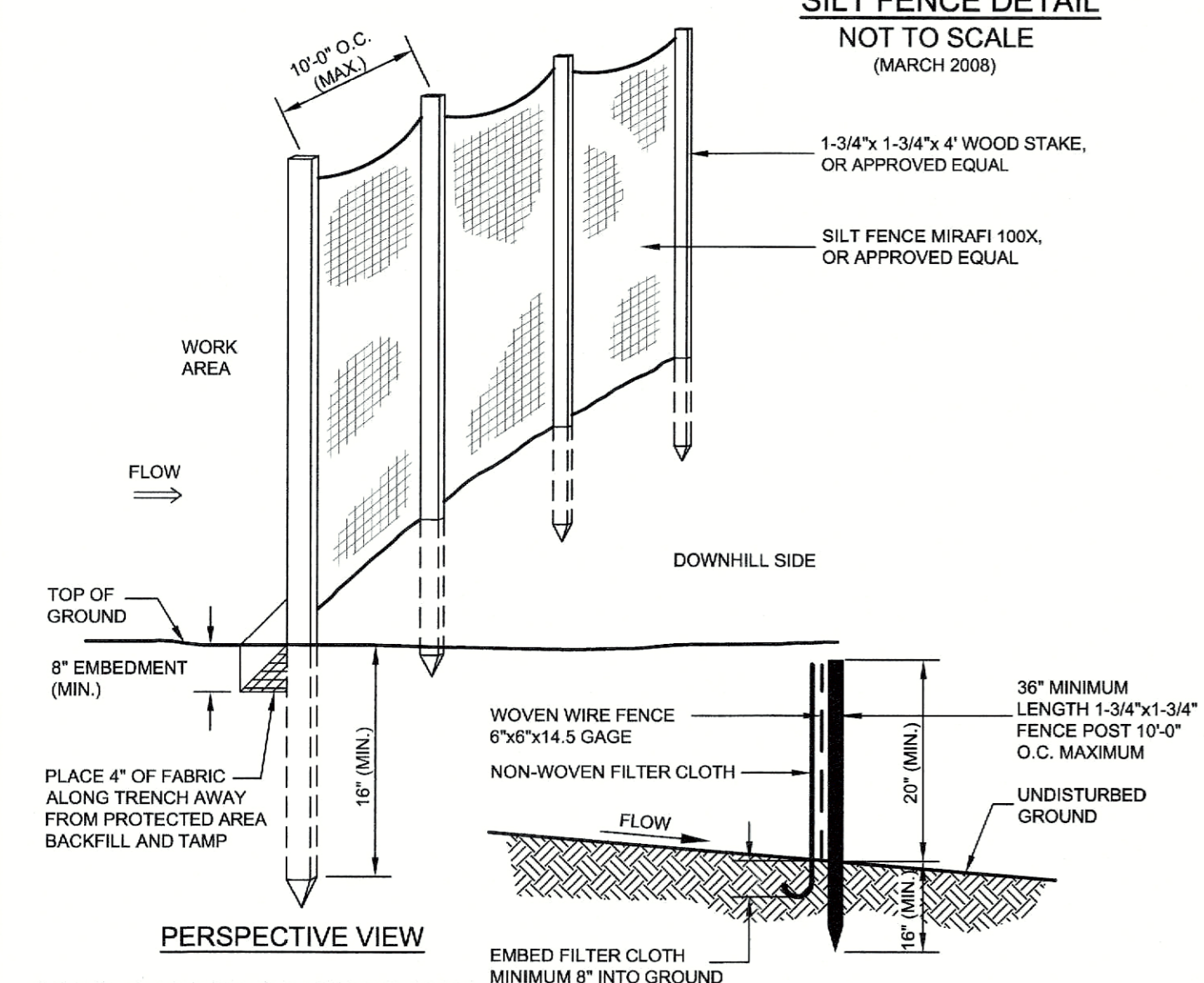


SEE SHEET 12 FOR NOTES

PROJECT NO. 22-0817-1

REVISIONS DATE	DESCRIPTION

SILT FENCE DETAIL
NOT TO SCALE
(MARCH 2008)



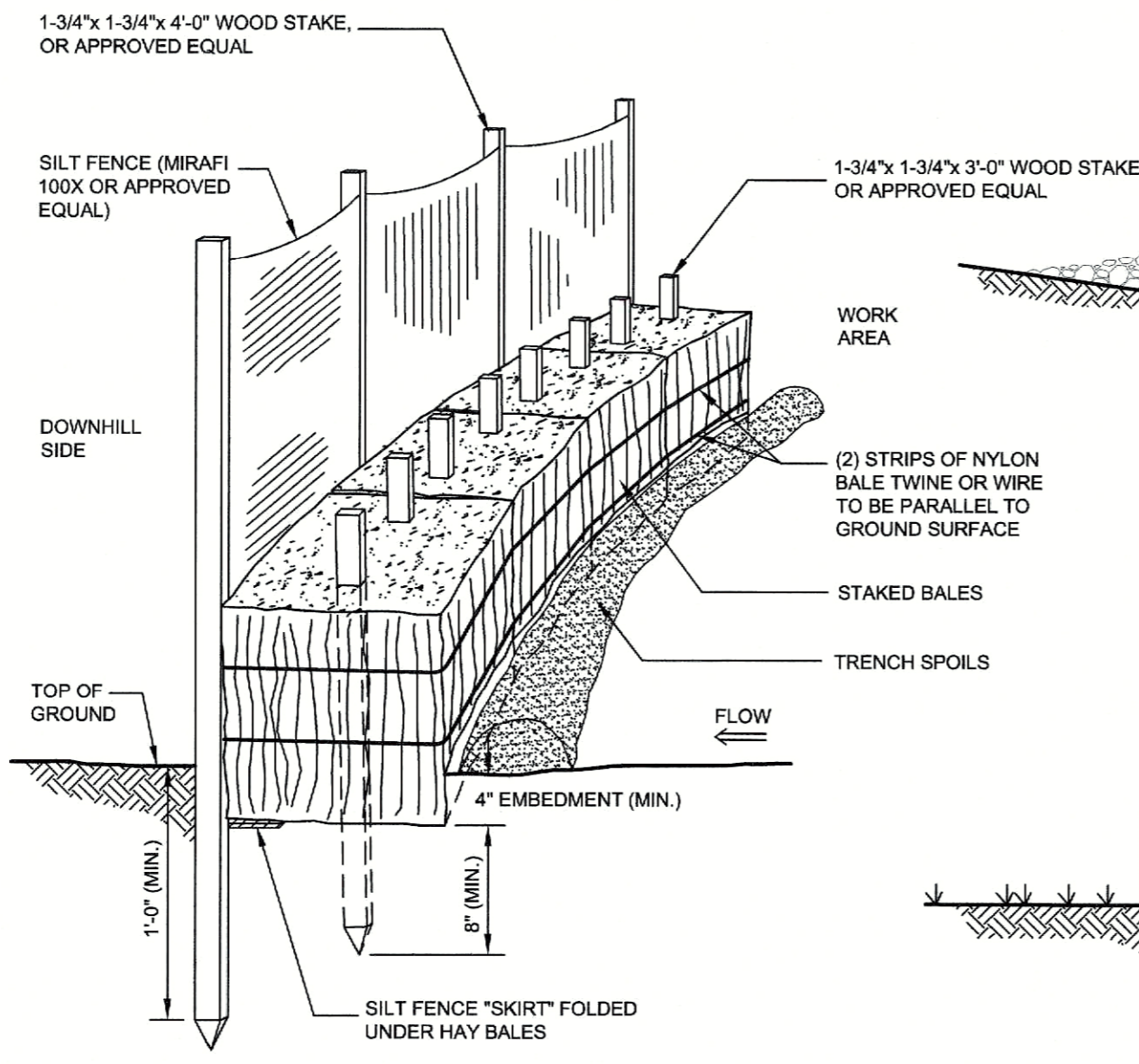
CONSTRUCTION SPECIFICATIONS:

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 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, MIDDLE SECTION 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 18 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.

MAINTENANCE:

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SECTION



SILT FENCE WITH HAY BALE BARRIER
NOT TO SCALE
(MARCH 2008)

MATERIALS:

1. STRAW USED FOR MULCH SHALL CONSIST OF MOWED AND PROPERLY CURED GRASS OR LEGUME MOWINGS, FREE FROM WEEDS, TWIGS, DEBRIS, INVASIVE SPECIES OR OTHER DELETERIOUS MATERIAL AND ROT OR MOLD.
2. IF SEED APPLICATION IN WETLANDS IS RECOMMENDED, EVERSOURCE SHALL UTILIZE NEW ENGLAND WETMIX SEEDMIX FROM NEW ENGLAND WETLAND PLANTS, INC., OR EQUIVALENT.
3. WHERE SEEDING IS PROPOSED IN UPLANDS, EVERSOURCE SHALL UTILIZE NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES FROM NEW ENGLAND WETLAND PLANTS, INC., OR EQUIVALENT.
4. EROSION CONTROL MATTING, IF REQUIRED, WILL CONSIST OF LITE MATTING. MATTING WITH WELDED PLASTIC OR 'BIODEGRADABLE PLASTIC' NETTING OR THREAD IS NOT PERMITTED.

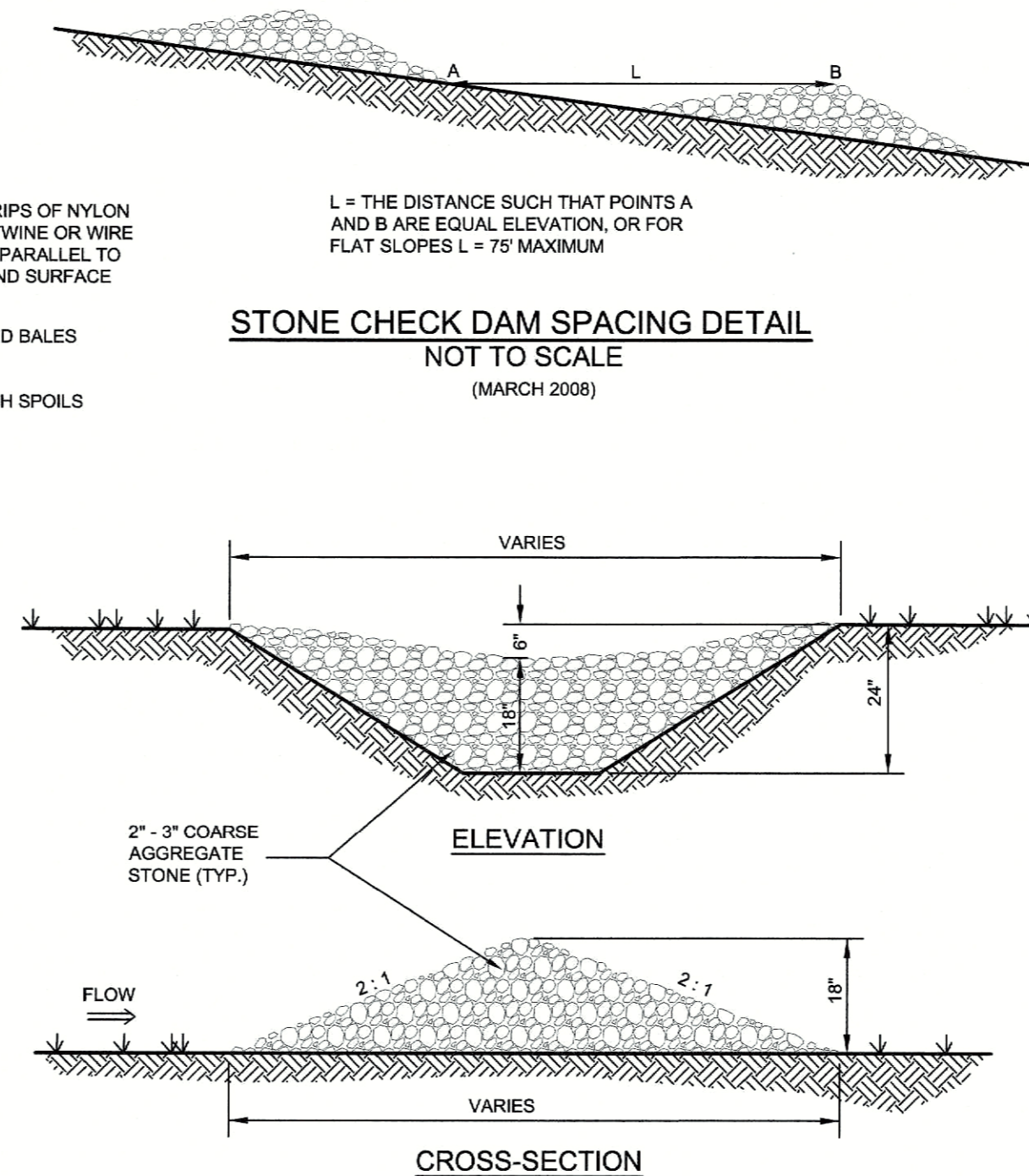
MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE AND SHALL BE DOUBLE NET STRAW BLANKETS BY NORTH AMERICAN GREEN OR APPROVED EQUAL.

NOTES:

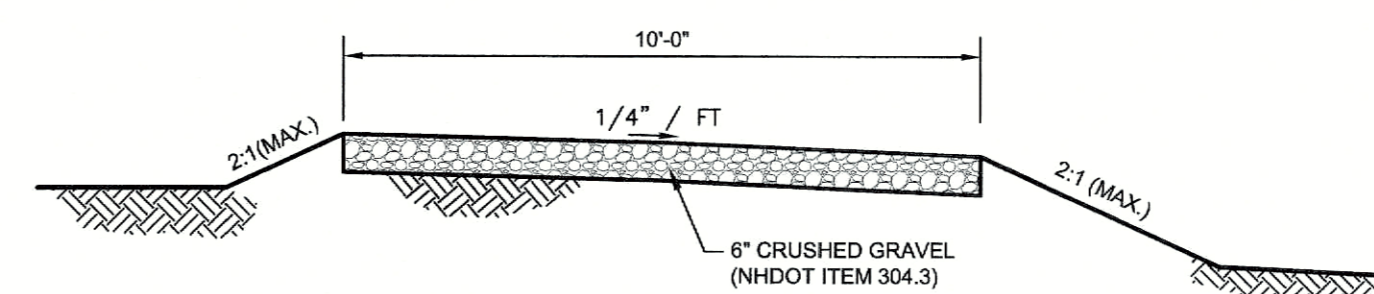
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

EROSION CONTROL BLANKETS - SLOPE INSTALLATION
NOT TO SCALE

STONE CHECK DAM SPACING DETAIL
NOT TO SCALE
(MARCH 2008)



STONE CHECK DAM DETAIL
NOT TO SCALE
(MARCH 2008)



TYPICAL ACCESS ROAD CROSS SECTION
NOT TO SCALE

GENERAL NOTES:

1. BASE PLAN PROVIDED BY EVERSOURCE ENERGY. EVERSOURCE ENERGY PROVIDED THE UTILITY DESIGN.
2. JURISDICTIONAL WETLANDS WERE RE-DELIMITED BY OTHERS AND CONFIRMED BY G2A GEOTECHNICAL, INC. IN 2023. IN ACCORDANCE WITH THE 1987 U.S. ARMY CORPS OF ENGINEERS' WETLANDS Delineation MANUAL, TECHNICAL REPORT #97-1, AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION, JANUARY 2012. WETLANDS WILL BE REVIEWED BY G2A GEOTECHNICAL, INC. PRIOR TO START OF WORK.
3. G2A EVALUATED WETLANDS AS POTENTIAL VERNAL POOLS IN 2023 IN ACCORDANCE WITH "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE," 2016, NEW HAMPSHIRE FISH AND GAME DEPARTMENT, NONGAME AND ENDANGERED WILDLIFE PROGRAM.
4. SITE PLAN IS FOR PERMITTING PURPOSES ONLY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.
5. THE PROJECT WILL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800, AS WELL AS SECTION 2.10 OF THE NHDES BEST MANAGEMENT PRACTICES MANUAL FOR UTILITY MAINTENANCE IN AND ADJACENT TO WETLANDS AND WATERBODIES IN NEW HAMPSHIRE RELATIVE TO INVASIVE SPECIES.
6. PROPOSED LOCATIONS OF MAINTENANCE PADS TO REMAIN AFTER COMPLETION OF CONSTRUCTION ARE APPROXIMATE, AND MAY BE SUBJECT TO MINOR ALTERATIONS PR SHIFTS IN LOCATION DEPENDING ON SITE CONDITIONS.

WINTER CONSTRUCTION NOTES:

1. PROPOSED 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. STABILIZATION METHODS SHALL INCLUDE SEEDING AND MULCH, AND INSTALLATION OF 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.
2. 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 TEMPORARILY STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL (NHDOT 304.3).
4. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.
 - B. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED.
 - C. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

CONSTRUCTION SEQUENCE

1. WETLAND BOUNDARIES TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.
2. WETLAND IMPACTS ASSOCIATED WITH WETLAND CROSSINGS ARE REQUIRED FOR ACCESS BETWEEN STRUCTURES WITHIN THE RIGHT OF WAY. LOOK FOR FIELD FLAGGING AND REFER TO PROJECT PLANS FOR THESE LOCATIONS.
3. CONTRACTOR TO NOTIFY DIG-SAFE 72-HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. ADEQUATE PRECAUTION SHALL BE EXERCISED TO AVOID SPILLAGE OF FUEL OILS, CHEMICALS, OR SIMILAR SUBSTANCES; NO FUELS, LUBRICANTS, CHEMICALS OR SIMILAR SUBSTANCES SHALL BE STORED BENEATH TREES OR IN THE VICINITY OF ANY WETLANDS, RIVER, STREAM OR OTHER BODY OF WATER; OR IN THE VICINITY OF NATURAL OR MAN-MADE CHANNELS LEADING THERETO. NO WHEELED POWER EQUIPMENT SHALL BE STORED, MAINTAINED, OR FUELED IN ANY AREA DIRECTLY ADJACENT TO A WETLAND, RIVER, STREAM OR OTHER BODY OF WATER. SECONDARY CONTAMINATION SHALL BE UTILIZED FOR MAINTENANCE OF STATIONARY DRILL RIGS AND OTHER EQUIPMENT AS NECESSARY.
5. REMOVE COMPLETELY ALL CONTAMINATION FROM ANY SPILLAGE OF CHEMICALS OR PETROLEUM PRODUCT AND COMPLETE REHABILITATION OF THE AFFECTED AREA.
6. PRIOR TO GRUBBING OF CLEARED AREAS, SILTATION BARRIERS DESIGNED FOR USE AS TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS CALLED FOR ON PROJECT PLANS. INSTALL STABILIZED CONSTRUCTION EXIT AT LOCATION OF CONSTRUCTION ACCESS AT LOCATIONS OF INTERSECTION WITH EXISTING PAVEMENT. SEDIMENT AND EROSION CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH THE NHDES STORMWATER MANUAL VOLUME 5, 2008 AND SPECIFICALLY, THE NHDES BMP MANUAL FOR UTILITY MAINTENANCE (MARCH 2019).
7. CUT AND CLEAR VEGETATION FROM THE ROAD AND PAD AREAS TO THE EXTENT NECESSARY, BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF BY CONTRACTOR. THIS PROJECT IS MANAGED TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:53 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
8. LOW GROWING VARIETIES OF VEGETATION ADJACENT TO WETLANDS SHALL BE PRESERVED TO THE EXTENT POSSIBLE. STUMPS SHALL NOT BE REMOVED IN WETLANDS, AND THERE SHALL BE NO EXCAVATIONS, FILLS OR GRADING DONE ADJACENT TO WETLANDS, UNLESS MINOR EXCAVATIONS OR GRADING IS NEEDED FOR ACCESS OR WORK PADS AND THEN ONLY WITHIN LIMITS SHOWN ON PROJECT PLANS.
9. ACCESS ROUTES HAVE BEEN SELECTED TO PREVENT DEGRADATION OF THE RIGHT-OF-WAY AND MINIMIZE ENVIRONMENTAL IMPACT. OPERATIONS SHALL BE CONFINED TO THE SPECIFIED ACCESS ROUTES WITHIN THE PROPOSED WETLAND IMPACT AREA. ACCESS ROUTES SHALL NOT EXCEED A 16 FOOT-WIDTH.
10. COMPLETE GRUBBING OPERATIONS UNDER THE ROADWAY AND SLOPE SECTIONS. STUMPS AND SIMILAR DEBRIS SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR. ORGANIC MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLAND AREAS. STOCKPILES SHALL BE SEDED WITH WINTER RYE AND, IF NECESSARY, SURROUNDED WITH PERIMETER CONTROLS IN ORDER TO PREVENT SEDIMENT MIGRATION BEYOND STOCKPILES DUE TO EROSION.
11. TIMBER MATS AND PERIMETER CONTROLS WILL BE USED ALONG ACCESS ROUTES AND WORK PADS WITHIN WETLAND AREAS. THESE MATS ARE CONSTRUCTED OF HEAVY TIMBERS OR COMPOSITE MATERIAL, BOLTED TOGETHER, AND ARE PLACED END-TO-END IN THE WETLAND TO SUPPORT HEAVY EQUIPMENT. ALL TIMBER MATS SHALL BE PLACED AND REMOVED SO AS NOT TO CAUSE ANY RUTS, CHANNELS OR DEPRESSIONS, OR OTHERWISE CAUSE ANY UNDUE DISTURBANCE TO WETLANDS.
12. COMMENCE CONSTRUCTION OF ROADWAY AND PAD LOCATIONS, PERFORM EXCAVATION ACTIVITIES REQUIRED TO ACHIEVE SURGRADE ELEVATION. ALL EXCAVATION SHALL BE STABILIZED WITH WINTER RYE AND, IF NECESSARY, SURROUNDED WITH PERIMETER CONTROLS AS SHOWN ON PROJECT PLANS. DIVERT STORMWATER RUNOFF THROUGH THE USE OF TEMPORARY WATERBARS OR OTHER MEANS NECESSARY. SLOPES AND EMBANKMENTS SHALL BE STABILIZED BY MULCHING, TRACKING AND TEMPORARY SEEDING WITH WINTER RYE PRIOR TO TURF ESTABLISHMENT. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO HAVING RUNOFF DIRECTED TO THEM. COMPLETE CONSTRUCTION OF ROADWAY EMBANKMENTS BY ADDING APPROPRIATE BASE MATERIALS GRADED TO PROPER ELEVATION.
13. IN UPLANDS, ADDITIONAL BMP'S MAY INCLUDE THE PLACEMENT OF GEOTEXTILE FABRIC, 3"-4" STONE, AND GRAVEL TO PROVIDE A SUITABLE ROAD BED. MATTINGS SHALL BE INSTALLED IN A MANNER TO BRIDGE STREAM CHANNELS. TEMPORARY CULVERTS MAY BE REQUIRED IN AREAS OF HIGH FLOW TO MAINTAIN HYDROLOGIC CONNECTIVITY. ALL MATERIAL WILL BE REMOVED FROM JURISDICTIONAL AREAS AFTER CONSTRUCTION COMPLETION.
14. NO MATERIAL SHALL BE PLACED IN ANY LOCATION OR IN ANY MANNER SO AS TO IMPAIR SURFACE WATER FLOW INTO, THROUGH OR OUT OF ANY WETLAND AREA. NO INSTALLATION SHALL CREATE AN IMPOUNDMENT THAT WILL IMPEDE THE FLOW OF WATER OR CAUSE FLOODING.
15. NO MATERIAL SHALL BE TAKEN FROM THE WETLANDS AREA EXCEPT THAT WHICH MUST NECESSARILY BE REMOVED FOR THE STRUCTURE OR FOUNDATION PLACEMENT OR STABILIZATION. ALL EXCESS MATERIAL TAKEN FROM THE WETLAND WILL BE REMOVED FROM THE SITE.
16. DISCHARGE OF DEWATERING WATER SHOULD NOT BE DIRECTED TOWARDS SURFACE WATERS IDENTIFIED BY NHDES AS TIER 2, TIER 2.5, OR TIER 3 WITHOUT PRIOR AUTHORIZATION FROM EVERSOURCE. SUCH ACTIVITIES TRIGGER TURBIDITY MONITORING AND REPORTING REQUIREMENTS AS OUTLINED IN SECTION 3.3 OF THE 2022 EPA CONSTRUCTION GENERAL PERMIT, TIER 2, TIER 2.5, AND TIER 3 SURFACE WATERS ARE CONSIDERED ALL SURFACE WATERS INCLUDING LAKES, PONDS, MARSHES, AND TIDAL WATERS AS DEFINED BY ENV-WT 104.33. DEWATERING WATER SHOULD BE DIRECTED AWAY FROM SURFACE WATERS, OR BE DISCHARGED TO A VAC TRUCK, POLY TANK, OR UPLAND BASIN, AS APPROVED BY EVERSOURCE. OTHERWISE, TURBIDITY MONITORING DURING DEWATERING ACTIVITIES WILL BE REQUIRED.
17. ANY PROPOSED SUPPORT FILLS SHALL BE CLEAN GRAVEL AND STONE, FREE OF WASTE METAL PRODUCTS, ORGANIC MATERIALS AND SIMILAR DEBRIS AND SHALL NOT EXCEED THE AMOUNT PERMITTED. THIS ALLOWABLE FILL IS THE ONLY FILL THAT MAY REMAIN IN THE WETLAND AFTER CONSTRUCTION. ALL CUT AND FILLS SLOPES SHALL BE SEDED/LOADED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
18. INSTALL NEW POLES IN THE LOCATIONS DESIGNATED ON THE PERMITTING PLANS.
19. WIRE INSTALLATION WILL BE PERFORMED IN A MANNER SO AS TO AVOID, OR LIMIT TO THE MAXIMUM EXTENT POSSIBLE, TRAVERSING WETLANDS WITH HEAVY EQUIPMENT. IN SOME CASES, A HELICOPTER MAY BE USED DURING THE INSTALLATION TO MINIMIZE IMPACTS.
20. REMOVAL OF THE OLD POLE WILL OCCUR ONLY WHEN THE WIRE HAS BEEN INSTALLED ON THE NEW STRUCTURE. THE OLD STRUCTURES WILL BE REMOVED FROM THE SITE. POLES WILL BE CUT AT THE GROUND SURFACE. FOOTINGS WILL BE ABANDONED IN PLACE TO MINIMIZE IMPACTS.
21. TIMBER MATS, MATERIAL, AND DEBRIS WILL BE REMOVED FROM THE WORK AREA UPON THE COMPLETION OF CONSTRUCTION. UNLESS APPROVED AS PERMANENT IMPACT, TIMBER MATS MUST ONLY BE INSTALLED FOR ONE GROWING SEASON. TIMBER MATS INSTALLED DURING THE ACTIVE GROWING SEASON (MAY 1 TO OCTOBER 1) MUST BE REMOVED PRIOR TO THE START OF THE FOLLOWING GROWING SEASON (BY APRIL 30 LATEST).
22. UPLAND DISTURBED AREAS SHALL BE RESTORED AND STABILIZED UPON COMPLETION OF CONSTRUCTION. WORK PAD RESTORATION SHOULD INCLUDE REDUCING THE WORK PAD TO A 30 BY 60 FOOT AREA, AND REDUCING SLOPES TO A MAXIMUM OF 25%. STOCKPILED MATERIAL SHOULD BE SPREAD TO REDUCE ANY UNDESIRABLE SLOPES. GRAVEL WORK PADS AND SLOPES SHOULD BE SCARIFIED TO A MINIMUM OF 3" SEED BED OR TOPSOIL/LOAM. DISTURBED UPLANDS SHALL BE SEDED WITH A GRASS MIX.
23. TEMPORARY WETLAND IMPACTS WILL BE RE-GRADED TO ORIGINAL CONTOURS TO THE GREATEST EXTENT PRACTICABLE FOLLOWING CONSTRUCTION. EROSION CONTROL/RESTORATION SEED MIX WILL BE APPLIED AS NECESSARY IF THE SURROUNDING NATIVE SEED BANK DOES NOT RESULT IN ADEQUATE VEGETATIVE COVER.
24. STOCKPILES SHALL BE SEDED WITH WINTER RYE AND, IF NECESSARY, SURROUNDED WITH PERIMETER CONTROLS IN ORDER TO PREVENT SEDIMENT MIGRATION BEYOND STOCKPILES DUE TO EROSION.
25. SEDIMENT AND EROSION CONTROL MEASURES WILL BE EVALUATED AND REMOVED IF NECESSARY UPON THE COMPLETION OF CONSTRUCTION.
26. UNLESS OTHERWISE REQUESTED BY UNDERLYING PROPERTY OWNERS AND APPROVED BY EVERSOURCE, COMMERCIAL LOAM WILL NOT BE USED AS PART OF RESTORATION. ONLY IN SITU TOPSOIL WILL BE USED TO RESTORE DISTURBED AREAS.
27. RESTORATION REQUIREMENTS MAY INCLUDE A PERCENT COVER GOAL AND EXTEND BEYOND THE FINAL CONSTRUCTION ACTIVITIES.
28. MAINTAIN, REPAIR AND REPLACE AS NECESSARY TEMPORARY EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE CONSTRUCTION AREA HAS BEEN STABILIZED (A MINIMUM OF ONE WINTER SHALL HAVE PASSES).
29. AFTER STABILIZATION, REMOVE SUITABLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES.

EROSION CONTROL NOTES

1. EXPOSED SOIL 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. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN UNSTABLE CONDITION FOR A PERIOD OF TIME EXCEEDING THIRTY (30) 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. 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. AS REQUIRED, CONSTRUCT TEMPORARY BERMS, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO PREVENT EROSION & SEDIMENTATION OF WETLANDS.
4. THE WORK AREA SHALL BE GRADED AND OTHERWISE SHAPED IN SUCH A MANNER AS TO MINIMIZE SOIL EROSION, SILTATION OF DRAINAGE CHANNELS, DAMAGE TO EXISTING VEGETATION, AND DAMAGE TO PROPERTY OUTSIDE LIMITS OF THE WORK AREA. EROSION CONTROL GRIDDINGS WILL BE NECESSARY TO ACCOMPLISH THIS END.
5. SWALES AND DITCHLINES SHALL BE PERIODICALLY CLEANED OR DEPOSITED SEDIMENT SO AS TO MAINTAIN AN EFFECTIVE GRADE AND CROSS SECTION. SWALES AND DITCHLINES SHALL BE STABILIZED PRIOR TO HAVING STORMWATER DIRECTED TOWARDS THEM.
6. ANY STRIPPED TOPSOIL SHALL BE STOCKPILED, WITHOUT COMPACTION, AND STABILIZED WITH BMP'S.
7. IN THE EVENT THAT, DURING CONSTRUCTION OF ANY PORTION OF THIS PROJECT, A WINTER SHUTDOWN IS NECESSARY, THE CONTRACTOR SHALL STABILIZE INCOMPLETE WORK AREAS AND PROVIDE FOR SUITABLE METHODS OF DIVERTING RUNOFF IN ORDER TO ELIMINATE SHEET FLOW ACROSS FROZEN SURFACES.
8. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - B. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR
 - C. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
9. DUST SHALL BE CONTROLLED BY THE USE OF WATER AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD, IN ACCORDANCE WITH ENV-110.
10. IN NO WAY ARE THOSE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT IN INSTALLING SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION METHODOLOGIES MAY WARRANT.
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 SEDIMENT MANAGEMENT DURING CONSTRUCTION." CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.



MAINTENANCE:

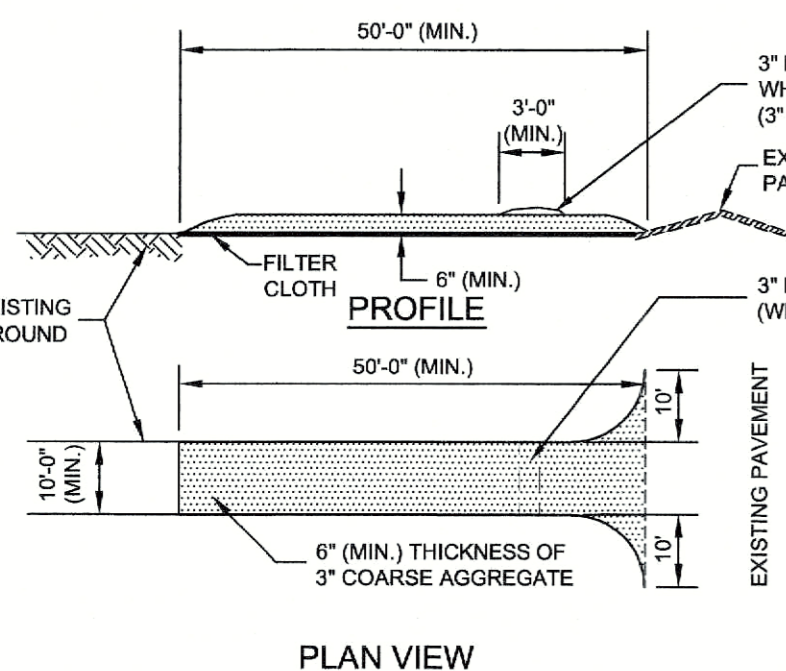
MUD AND SOIL PARTICLES WILL EVENTUALLY CLOG THE VOIDS IN THE CRUSHED STONE AND THE EFFECTIVENESS OF THE CRUSHED STONE PAD WILL NOT BE SATISFACTORY. WHEN THIS OCCURS, THE PAD SHOULD BE TOPDRESSED WITH NEW CRUSHED STONE OR COMPLETE REPLACEMENT OF THE PAD MAY BE NECESSARY WHEN THE PAD BECOMES COMPLETELY CLOGGED.

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 6-INCH MINUS STONE. THE LENGTH OF THE STABILIZED EXIT SHALL NOT BE LESS THAN 50 FEET.
2. THE THICKNESS OF THE STONE FOR THE STABILIZED EXIT SHALL NOT BE LESS THAN 12 INCHES.
3. 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.
4. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
5. 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.
6. 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.
7. 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.

STABILIZED CONSTRUCTION EXIT DETAIL
NOT TO SCALE
(APRIL 2018)



X178-2 TRANSMISSION LINE REBUILD AND OPGW PROJECT

EASTON, NH
GRAFTON COUNTY

OWNER:

EVERSOURCE ENERGY
13 LEGENDS DRIVE
HOOKSETT, NH 03106

REVISIONS

DATE	DESCRIPTION

DATE: 06/03/2024

SCALE: NTS

SHEET 19 OF 19



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

PROJECT NO. 22-0817-1