

CONSTRUCTION SITE PLANS

FOR THE

CAMELOT DRIVE WIND PROJECT

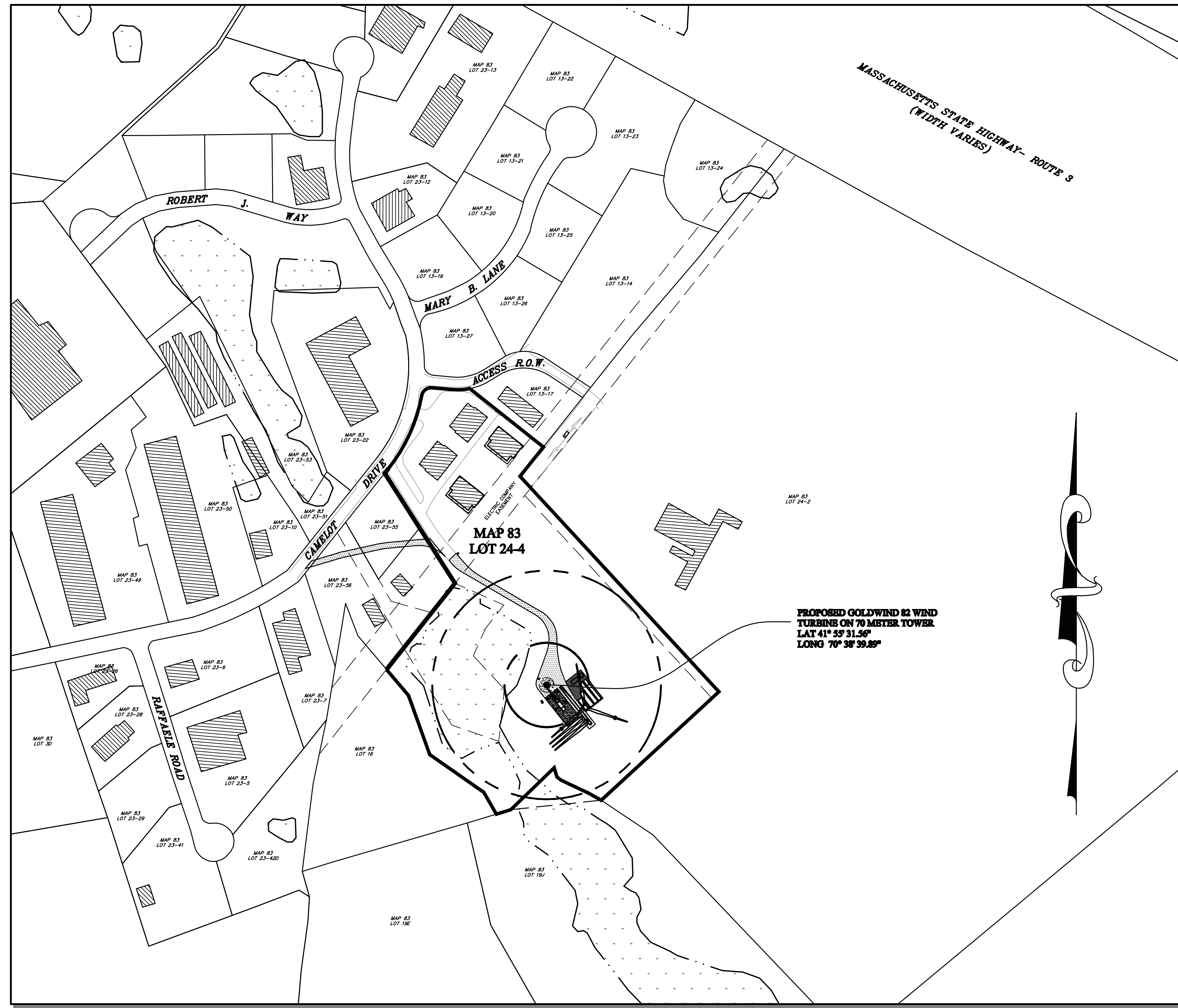
PLYMOUTH, MASSACHUSETTS

SEPTEMBER 7, 2010

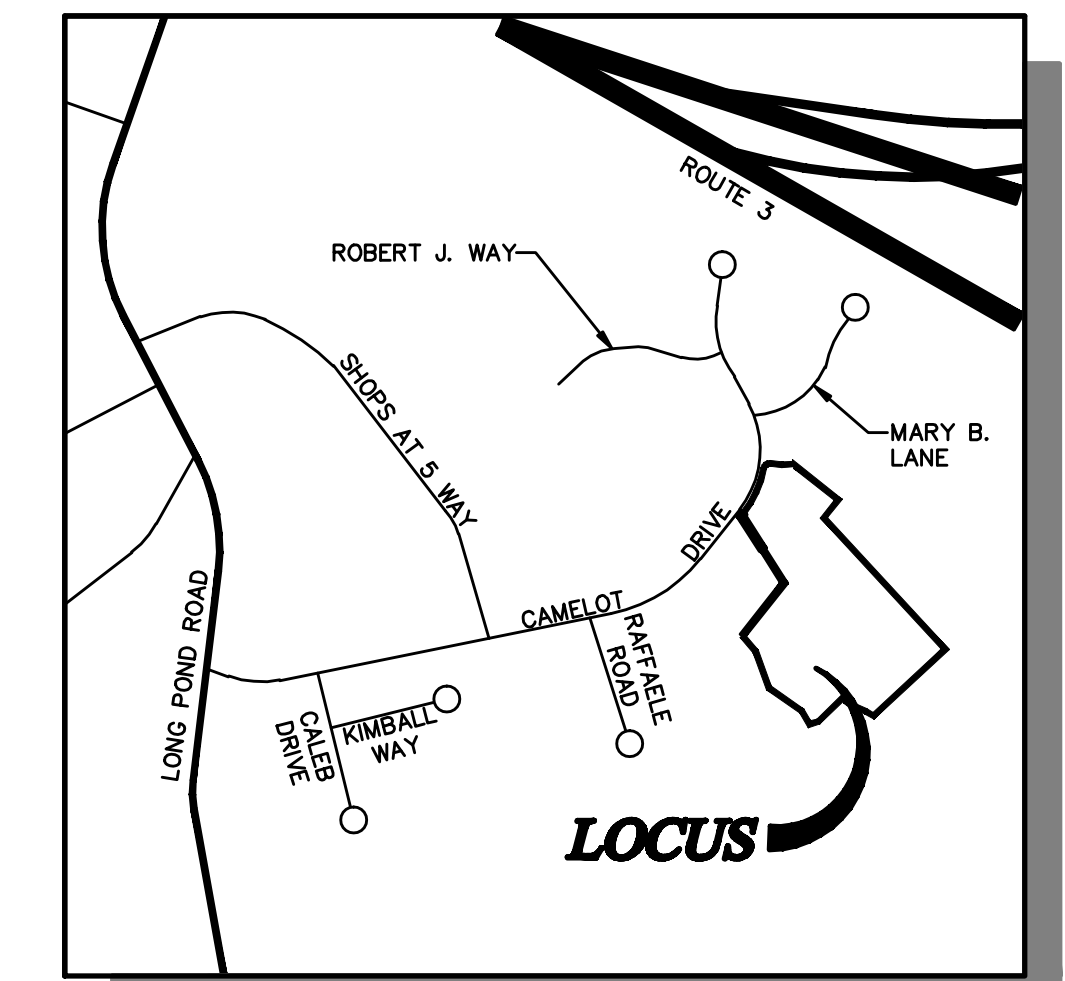
REVISED: DECEMBER 23, 2010

REVISED: AUGUST 17, 2011

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1	COVER SHEET	1" = 200'
2	OVERALL SITE CONSTRUCTION PLAN	1" = 100'
3	SITE VICINITY CONSTRUCTION PLAN	1" = 40'
4	SITE VICINITY CONSTRUCTION PLAN	1" = 40'
5	DETAIL PLAN	AS NOTED
6	ELECTRICAL SITE PLAN & ONE LINE DIAGRAM	AS NOTED



LOCUS PLAN
SCALE: 1" = 200'



LOCUS MAP
1" = 2,000'±

PROPOSED GOLDWIND 82 WIND
TURBINE ON 70 METER TOWER
LAT 41° 59' 31.56"
LONG 70° 38' 39.89"

OWNER:

MAP 83 PARCEL 24-4
BALBONI, LLC.
74-1 CAMELOT DRIVE
PLYMOUTH, MA 02360

PREPARED FOR:

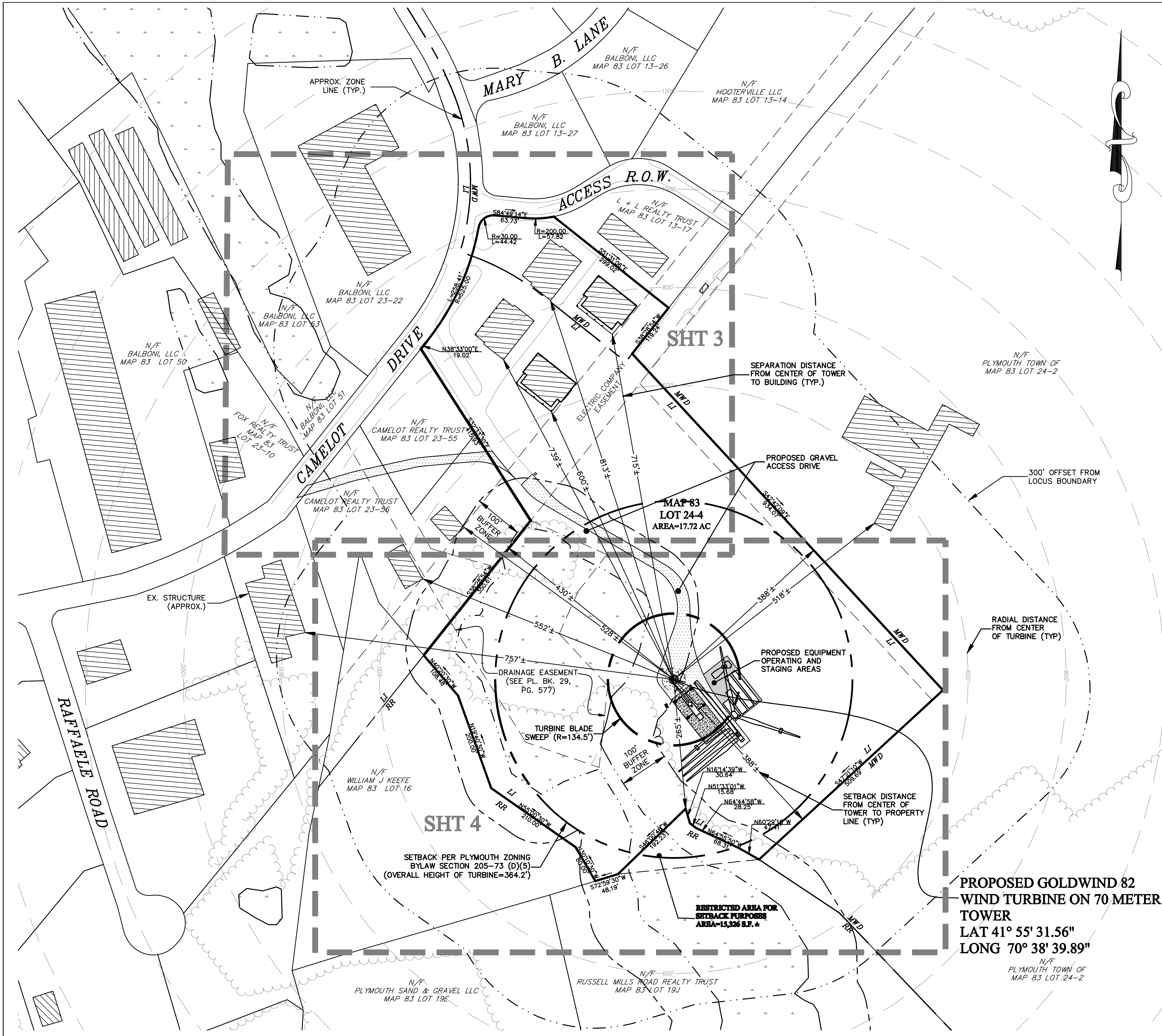
BALBONI, LLC
74-1 CAMELOT DRIVE
PLYMOUTH, MASSACHUSETTS 02360

ENGINEER:

Atlantic® DESIGN ENGINEERS, L.L.C.
P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

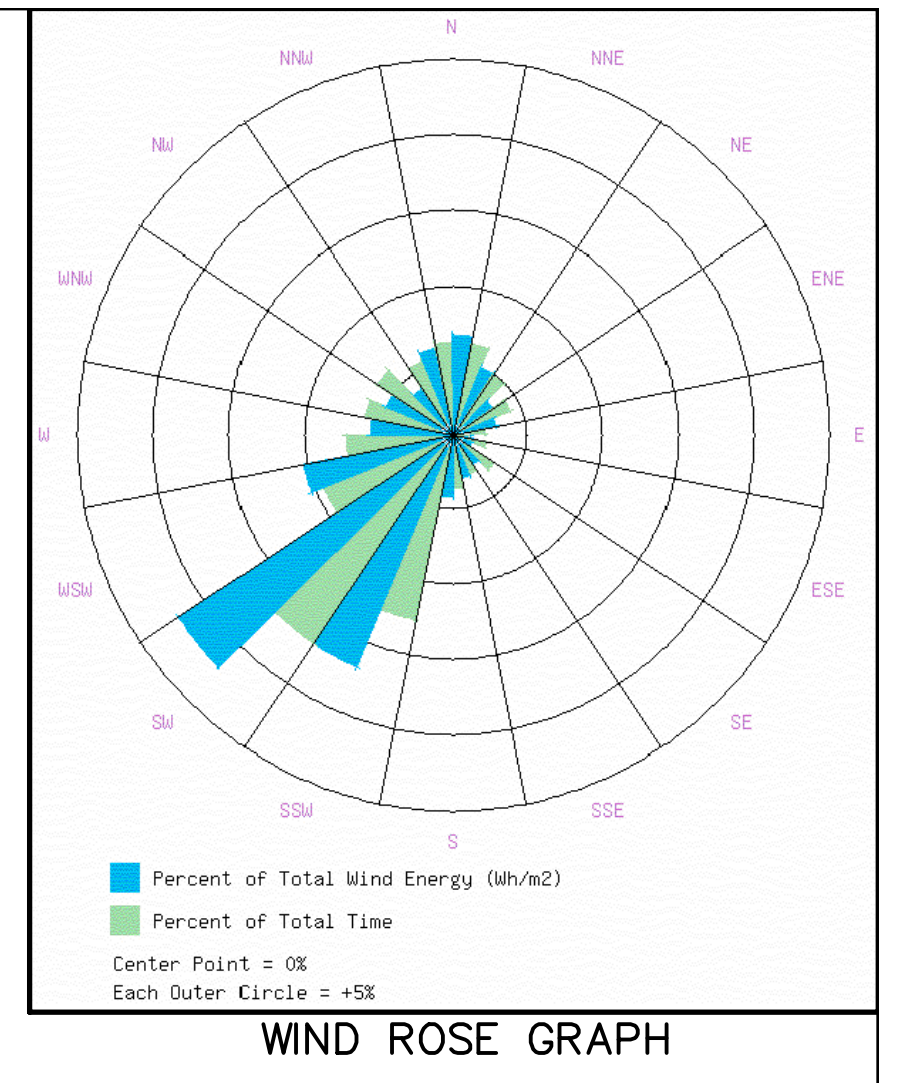
FILE : 2572.02-CONSTRUCTION-R2

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2572.02	



ZONING REQUIREMENTS - "LI"

MINIMUM LOT SIZE	40,000 S.F.
MIN. LOT WIDTH	200'
MIN. LOT DEPTH	150'
MINIMUM FRONT SETBACK	50'
MINIMUM SIDE SETBACK	30'
MINIMUM REAR SETBACK	30'
MAXIMUM LOT COVERAGE	50%
MAXIMUM FLOOR AREA RATIO	.75
MAXIMUM BUILDING HEIGHT	35'



LEGEND

— W —	APPROX. EXISTING WATER LINE
— OHW —	EXISTING OVERHEAD WIRES
— EOP —	APPROX. EXISTING TREE LINE
— 98 —	EXISTING EDGE OF PAVEMENT
— 88 —	APPROX. EXISTING CONTOURS PER MASS GIS AND FIELD OBSERVATIONS
— 88 —	EXISTING 2' CONTOUR PER 1/03/06 PLAN BY ASSOCIATED ENGINEERS OF PLYMOUTH INC.
69X0	EXISTING SPOT ELEVATION PER 1/03/06 PLAN BY ASSOCIATED ENGINEERS OF PLYMOUTH INC.
—	APPROXIMATE WETLAND AREA
—	EXISTING UTILITY POLE
—	EXISTING WATER VALVE
—	EXISTING FIRE HYDRANT
—	EXISTING SEWER MANHOLE
—	EXISTING DRAIN MANHOLE
—	EXISTING ELECTRIC MANHOLE
—	EXISTING CATCH BASIN
—	EXISTING WELL
—	EXISTING TREELINE
76	PROPOSED CONTOUR
— W —	PROPOSED WATER LINE
— U/G —	PROPOSED UNDERGROUND UTILITY LINE
X76.5	PROPOSED SPOT ELEVATION
—	PROPOSED HAYBALES
1000'	SETBACK DISTANCE FROM TURBINE
—>	PROPOSED FLOW ARROWS

GENERAL NOTES:

- RECORD OWNER(S): MAP 83 PARCEL 24-4 BALBONI, LLC 74-1 CAMELOT DR PLYMOUTH, MASSACHUSETTS 02360
- THE PROPERTY IS SHOWN AS LOT 24-4 ON THE TOWN OF PLYMOUTH ASSESSOR'S MAP 83.
- THE PROPERTY APPEARS TO LIE WITHIN THE "LI" AND "MWD" ZONING DISTRICT UPON A REVIEW OF THE TOWN OF PLYMOUTH ZONING MAP.
- PROPERTY LINES DEPICTED HEREON ARE BASED ON PLANS AND DEEDS ON RECORD AND NOT THE RESULT OF A BOUNDARY SURVEY.
- EXISTING CONDITIONS DEPICTED HEREON ARE COMPILED FROM GIS RESOURCES OF TOWN AND STATE MUNICIPALITIES AND ARE APPROXIMATE FOR PLANNING PURPOSES ONLY.
- PROPERTY LINES, ELEVATIONS, AND EXISTING CONDITIONS DEPICTED HEREON ARE BASED UPON PLANS BY ASSOCIATED ENGINEERS, OF PLYMOUTH, INC. 81 SAMOSET ST., PLYMOUTH, MA 02360, ENTITLED "WETLANDS ENHANCEMENT PLAN LOT 24-4, FORMERLY LOTS 13-18, 24-3, AND MARY B. LANE" DATED JANUARY 3, 2006 AND FROM "PERMIT APPLICATION, BOUNDARY AND EXISTING CONDITIONS PLAN, PLYMOUTH ASSESSOR'S NO. 083-000-024-004 121, 123, 125 & 127 CAMELOT DRIVE" DATED SEPTEMBER 18, 2008.
- THE PROPERTY APPEARS TO LIE WITHIN FLOOD ZONE "C" BASED UPON A REVIEW OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER 250278 0009C REVISED 12/19/06.
- THE PROPERTY DOES NOT APPEAR TO LIE WITHIN A ZONE II BASED UPON A REVIEW OF THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM.
- THE PROPERTY DOES NOT APPEAR TO LIE WITHIN AN ESTIMATED HABITAT OF RARE WILDLIFE OR A PRIORITY HABITAT OF RARE SPECIES BASED UPON A REVIEW OF THE NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM 2006 MAPS.
- THE PROPERTY DOES NOT APPEAR TO LIE WITHIN AN AREA OF CRITICAL ENVIRONMENTAL CONCERN BASED UPON A REVIEW OF THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM.

PROPOSED GOLDWIND 82 WIND TURBINE ON 70 METER TOWER
 LAT 41° 55' 31.56"
 LONG 70° 38' 39.89"

Atlantic DESIGN ENGINEERS, L.L.C.
 P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

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 Drawn by: _____
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 Survey chk. by: _____
 Approved by: _____

SCALE
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 0 25 50 100 200

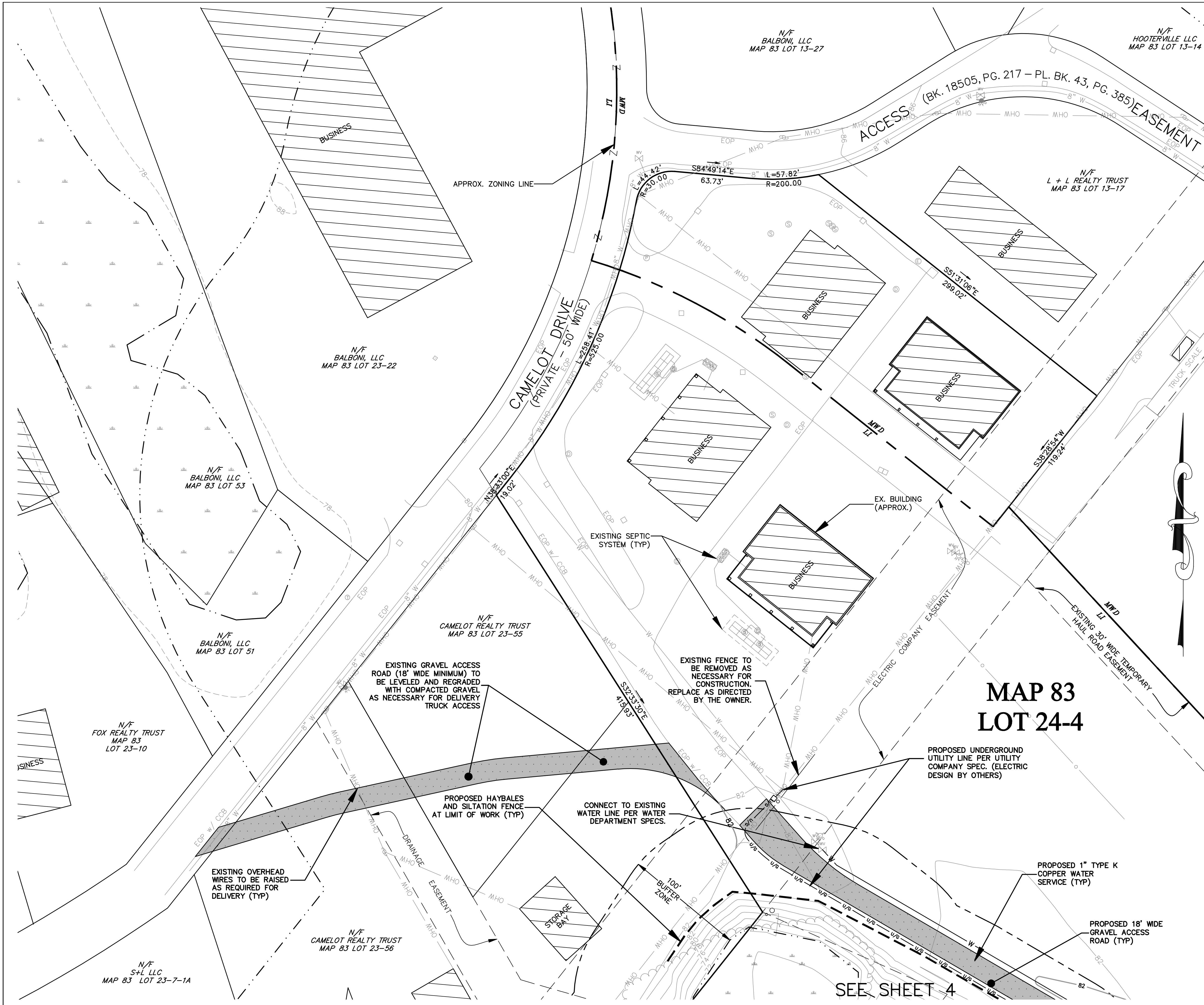
NO.	BY	DATE	REVISION
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1	SWG	12-23-10	REVISED ACCESS ROAD LOCATION

APPLICANT
BALBONI, LLC
 74-1 CAMELOT DRIVE
 PLYMOUTH, MA 02360

OVERALL SITE CONSTRUCTION PLAN
 FOR
CAMELOT DRIVE WIND PROJECT
 LOT 24-4, MAP 83, PLYMOUTH, MA
 SEPTEMBER 7, 2010

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CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL TERMS OF THE ORDER OF CONDITIONS, DATE OF ISSUANCE JUNE 9, 2009, MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION FILE NUMBER SE57-2427 AND PLYMOUTH FILE NUMBER PCC-09-27.
2. REFER TO FOUNDATION PLAN BY OTHERS.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS SHOWN AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MAY BE FOUND IN THE PLAN.
4. CONTRACTOR SHALL VERIFY ALL CRITICAL ELEVATIONS AND INVERTS PRIOR TO CONSTRUCTION.
5. WHERE AN EXISTING PUBLIC UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED AND THE INFORMATION FURNISHED TO THE UTILITY COMPANY AND OWNER FOR RESOLUTION OF THE CONFLICT.
6. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS SITE.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DIGSAFE, THE TOWN OF PLYMOUTH DEPARTMENT OF PUBLIC WORKS, AND ALL UTILITY COMPANIES A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION ACTIVITIES FOR LOCATION OF ALL UNDERGROUND UTILITIES AND UTILITY COMPANY APPROVALS.
8. ALL BUILDINGS, SURFACE, AND SUBSURFACE IMPROVEMENTS ON AREAS ADJACENT TO THE SITE ARE NOT NECESSARILY SHOWN HEREON.
9. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND RIM AND INVERTS BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
10. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENTS OF ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES WITH THE UTILITY COMPANY, IF NECESSARY. IF ANY INTERRUPTIONS IN SERVICE ARE NECESSARY TO ABUTTING PROPERTY OWNERS, A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN.
11. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND MASSACHUSETTS HIGHWAY DEPARTMENT REQUIREMENTS FOR ALL WORK WITHIN PUBLIC STREETS.
12. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
13. ALL DISTURBED AREAS SHALL BE PAVED, LANDSCAPED, OR REVEGETATED WITH 6" (MIN) LOAM AND SEED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
14. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY COMPANIES ARE COMPLETED PRIOR TO INSTALLATION, BACKFILLING, ANNOUNCED BUILDING POSSESSION, AND THE FINAL CONNECTION OF SERVICES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SURVEY CONTROL POINTS AND BENCHMARKS NECESSARY FOR THE PROPOSED WORK.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED.
17. THE CONTRACTOR SHALL INSTITUTE AND MAINTAIN ALL SAFETY MEASURES NECESSARY TO PROTECT THE PUBLIC DURING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO BARRICADES, SIGNS, FENCES, FLAGGERS, LIGHTING, POLICE DETAIL, AND ANY OTHER MEANS AS DIRECTED BY THE TOWN. NO TRENCHES ARE TO REMAIN OPEN OVERNIGHT.
18. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIAL AND OTHER DEBRIS RESULTING FROM THE WORK. AT THE END OF CONSTRUCTION THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIALS FROM THE SITE. A THOROUGH INSPECTION OF THE WORK PERIMETER IS TO BE MADE AND ALL DISCARDED MATERIALS, BLOWN OR WATER CARRIED DEBRIS, SHALL BE COLLECTED AND REMOVED FROM THE SITE.
19. THE CONTRACTOR SHALL REMOVE ALL VEGETATION, TREES, STUMPS, GRASSES, ORGANIC SOILS, DEBRIS AND DELETERIOUS MATERIALS WITHIN THE AREAS SLATED FOR CONSTRUCTION.
20. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPROVED PERMITS AND WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES AND REGULATIONS.
21. THE CONTRACTOR SHALL REFER TO GEOTECHNICAL ENGINEERING REPORT, PREPARED BY, TERRACON CONSULTANTS, INC., DATED NOVEMBER 20, 2009, FOR SOIL CONDITIONS.
22. THE TURBINE SHALL BE EQUIPPED WITH AN FAA APPROVED LOW INTENSITY RED LIGHT BY FLASH TECHNOLOGIES OR APPROVED EQUAL.

EROSION CONTROL NOTES:

1. PRIOR TO COMMENCING SITE WORK OR EARTHWORK OPERATIONS, INSTALL EROSION CONTROL BARRIERS AND MAINTAIN THROUGHOUT CONSTRUCTION.
2. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
3. ALL MATERIALS AND STOCKPILES SHALL BE STORED ON LEVEL AREAS. ALL STOCKPILES SHALL BE SURROUNDED BY HAYBALES, SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND SHALL BE SEEDED OR STABILIZED IF LEFT UNDISTURBED FOR TWO WEEKS OR MORE.
4. SEDIMENTATION CONTROL DEVICES AND EROSION CONTROL BARRIERS SHALL BE INSPECTED WEEKLY AND MAINTAINED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION AND PROMPTLY AFTER EACH RAINFALL.
5. ANY SLOPE STEEPER AND 3:1 SHALL BE EQUIPPED WITH SLOPE STABILIZATION FABRIC OR EROSION CONTROL MATTING.
6. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTITUTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER AND/OR THE PLANNING BOARD.
7. THE CONTRACTOR MUST REPAIR OR RE-SEED ANY AREAS THAT DO NOT DEVELOP WITHIN A PERIOD OF ONE YEAR AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. MATERIAL STOCKPILES SHALL NOT BE LOCATED WITHIN THE PATH OF EXISTING OR PROPOSED WATERCOURSES (BOTH TEMPORARY OR PERMANENT) OR THOSE AREAS SUBJECT TO STORMWATER FLOW.
9. SEDIMENT CONTROL DEVICES AND EROSION CONTROL BARRIERS MAY BE REMOVED ONLY AFTER THE SITE HAS BEEN STABILIZED.
10. ALL DISTURBED OR EXPOSED AREAS SUBJECT TO EROSION, WHICH REMAIN DISTURBED BUT INACTIVE FOR AT LEAST THIRTY DAYS, SHALL RECEIVE TEMPORARY SEEDING IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES. IN ALL CASES, STABILIZATION MEASURES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES.
11. EARTHWORK ACTIVITY ON THE SITE SHALL BE DONE IN A MANNER SUCH THAT RUNOFF IS DIRECTED AWAY FROM EXISTING PARKING LOTS, TENNIS COURTS, STRUCTURES, ETC.
12. THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES ADDITIONAL HAYBALES AND EXTRA SILTATION FENCING FOR INSTALLATION AT THE DIRECTION OF THE ENGINEERS OR THE PLANNING BOARD TO MITIGATE ANY EMERGENCY CONTROL.
13. REFER TO CONSTRUCTION DETAILS FOR ADDITIONAL EROSION CONTROL MEASURES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITING, RELOCATION AND AUGMENTATION OF EROSION CONTROL DEVICES AS THE PROJECT PROGRESSES AND THE SITE DRAINAGE CONDITIONS CHANGE.
15. THE CONTRACTOR SHALL MINIMIZE THE AREA OF DISTURBED SOIL. EFFORTS SHALL BE MADE TO LIMIT THE TIME OF EXPOSURE OF DISTURBED AREAS.
16. THE CONTRACTOR SHALL REFERENCE THE ORDERS OF CONDITIONS, DATE OF ISSUANCE JUNE 9, 2009, MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION FILE NUMBER SE57-2427 AND PLYMOUTH FILE NUMBER PCC-09-27 FOR FURTHER EROSION CONTROL MEASURES.

MAP 83 LOT 24-4

SEE SHEET 4

Atlantic DESIGN ENGINEERS, L.L.C.
 P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

Designed by: _____
 Drawn by: _____
 Checked by: _____
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 Approved by: _____

SCALE
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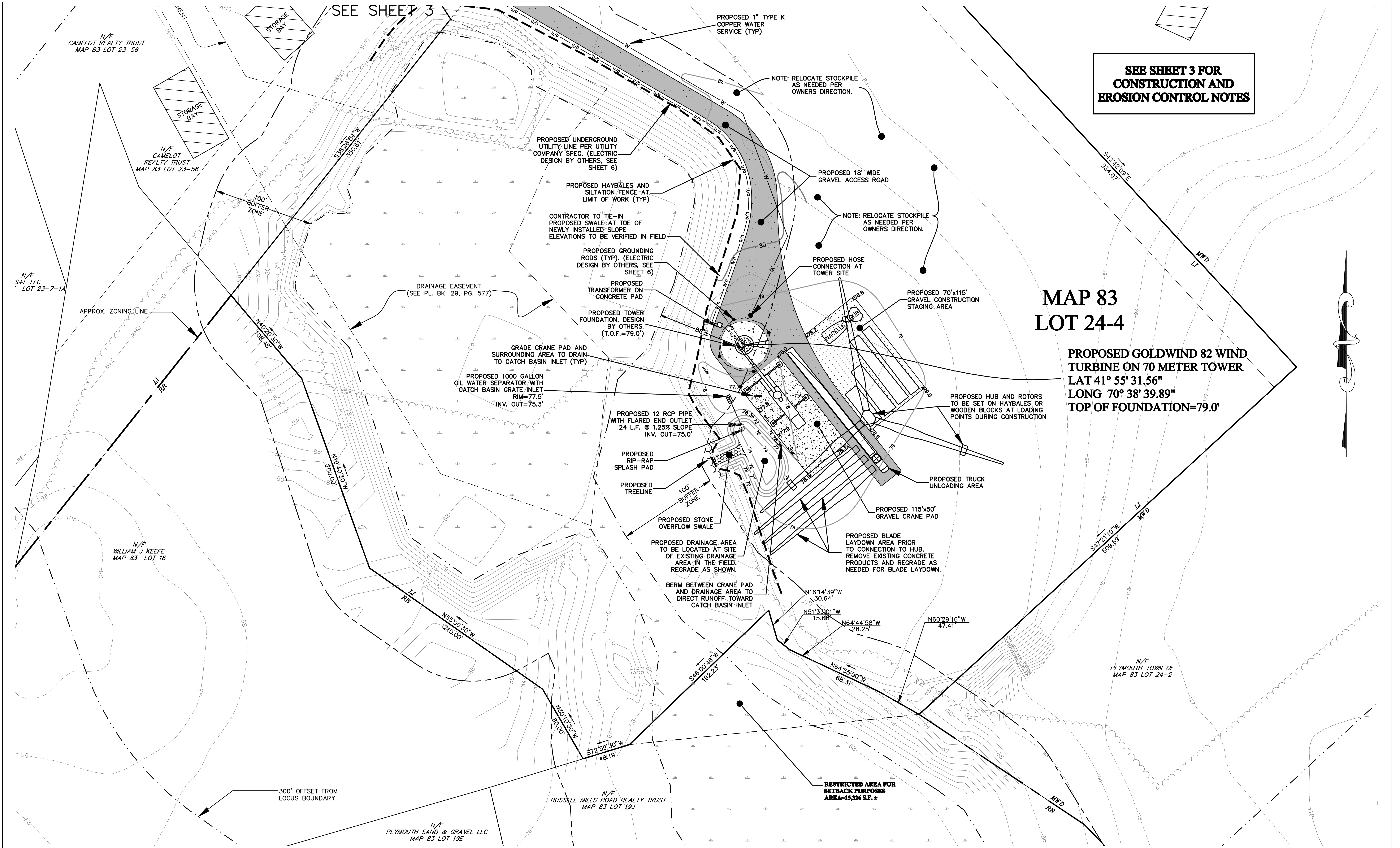
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1	SWG	12-23-10	REVISED ACCESS ROAD LOCATION

APPLICANT
BALBONI, LLC
 74-1 CAMELOT DRIVE
 PLYMOUTH, MA 02360

SITE VICINITY CONSTRUCTION PLAN
 FOR
CAMELOT DRIVE WIND PROJECT
 LOT 24-4, MAP 83, PLYMOUTH, MA
 SEPTEMBER 7, 2010

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**SEE SHEET 3 FOR
CONSTRUCTION AND
EROSION CONTROL NOTES**

**MAP 83
LOT 24-4**

**PROPOSED GOLDWIND 82 WIND
TURBINE ON 70 METER TOWER
LAT 41° 55' 31.56"
LONG 70° 38' 39.89"
TOP OF FOUNDATION=79.0'**

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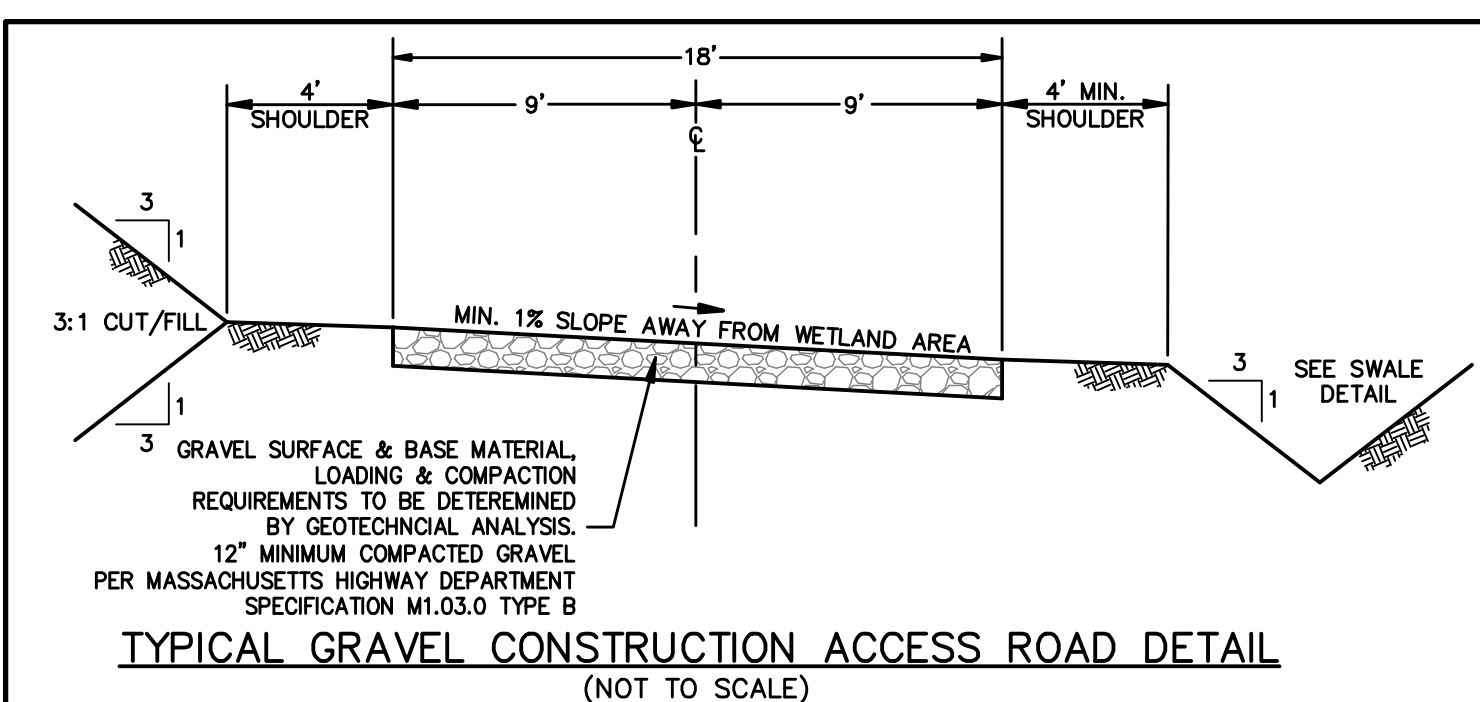
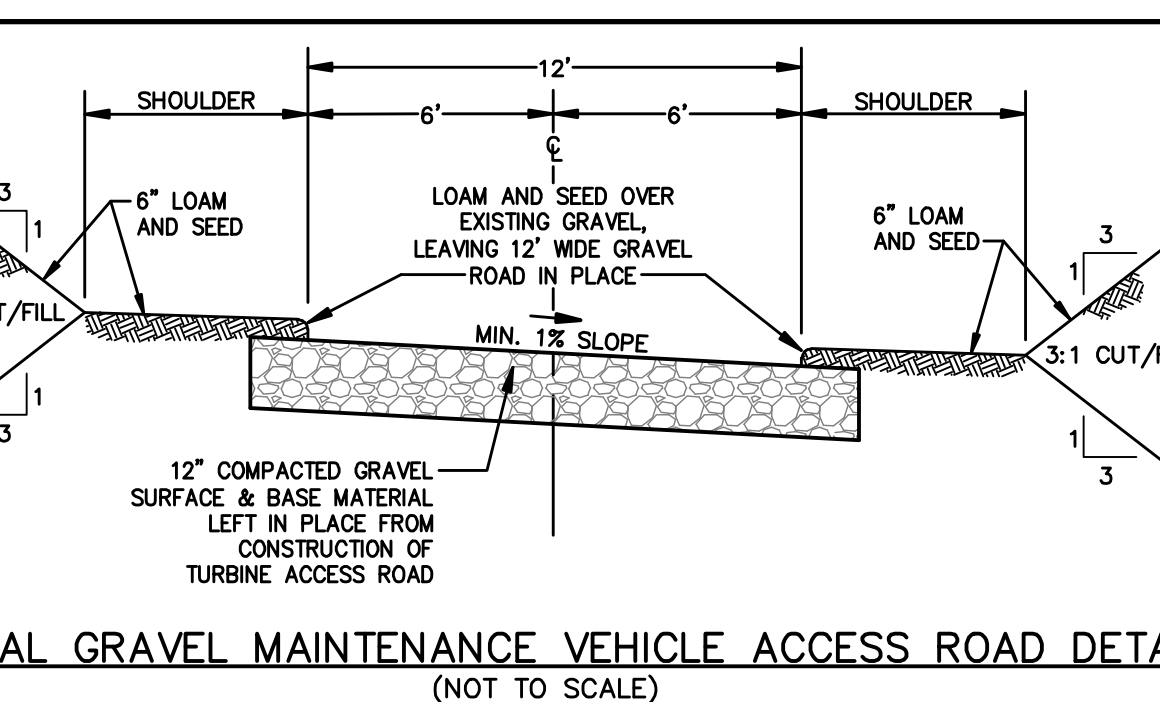
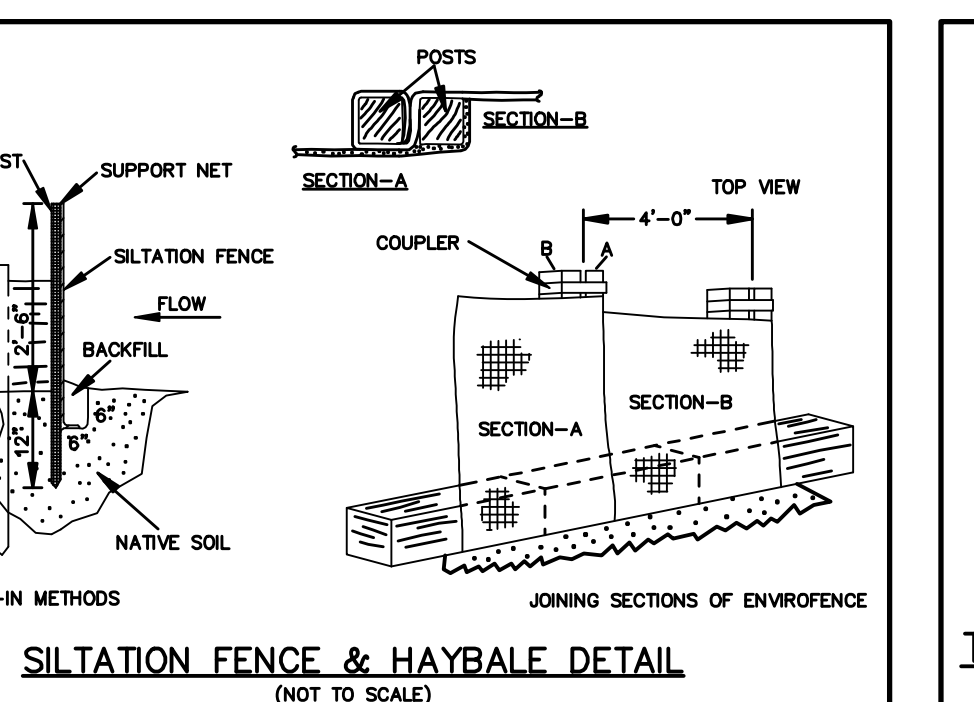
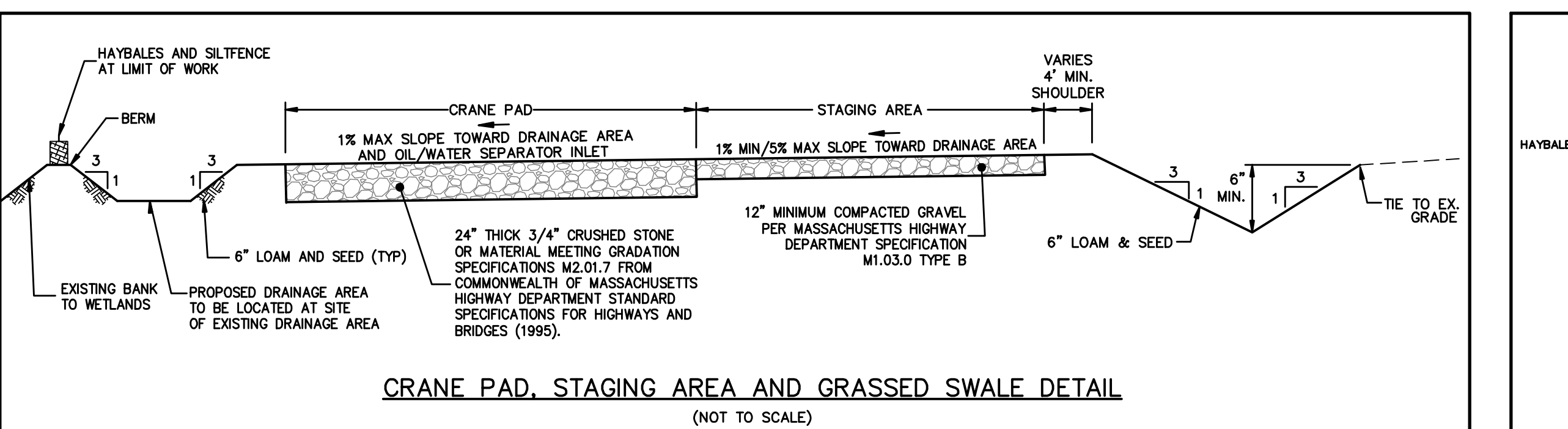
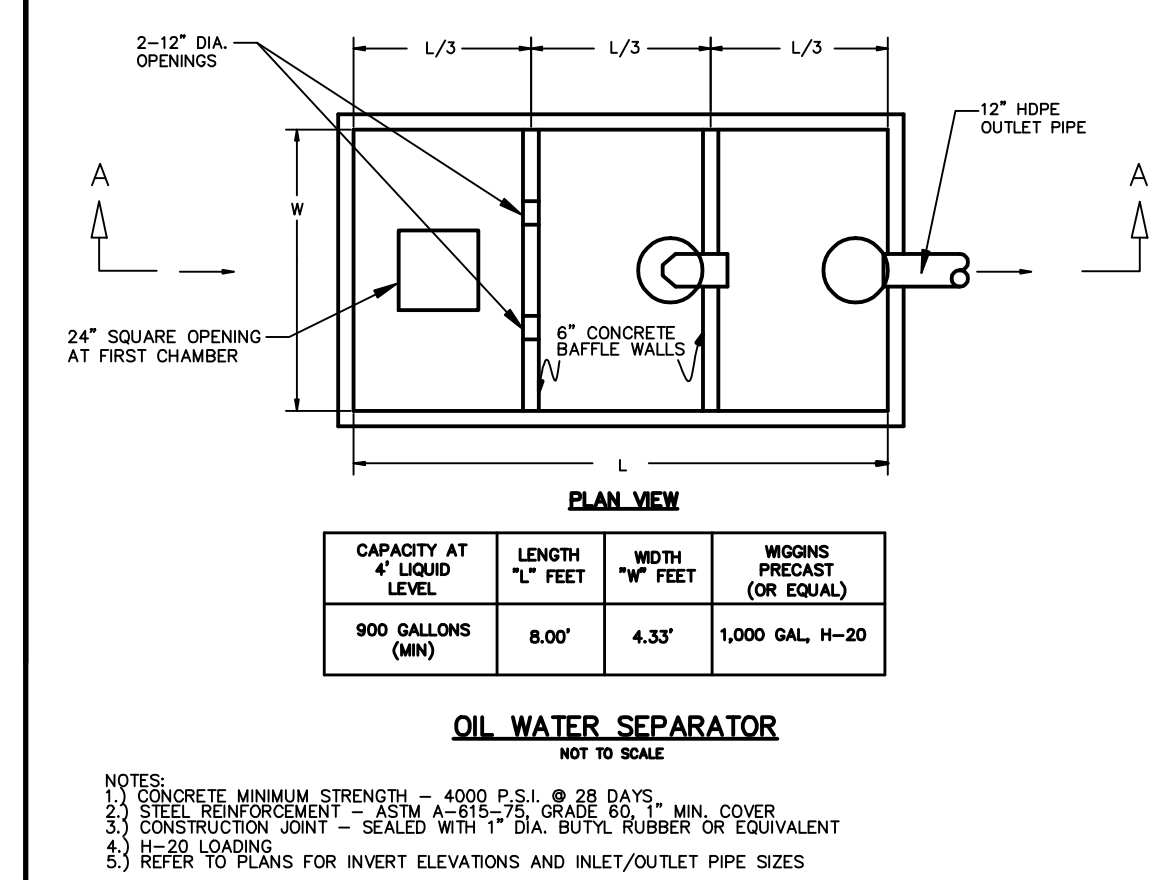
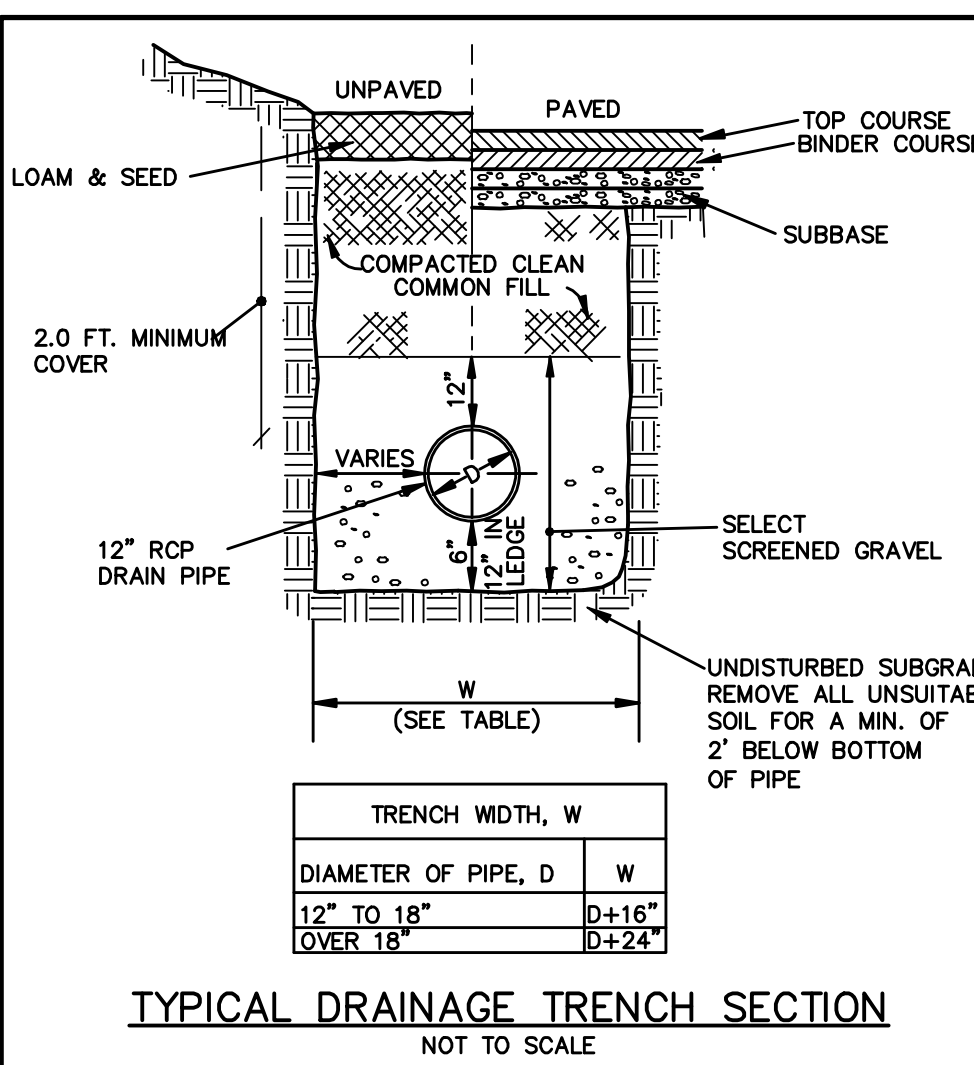
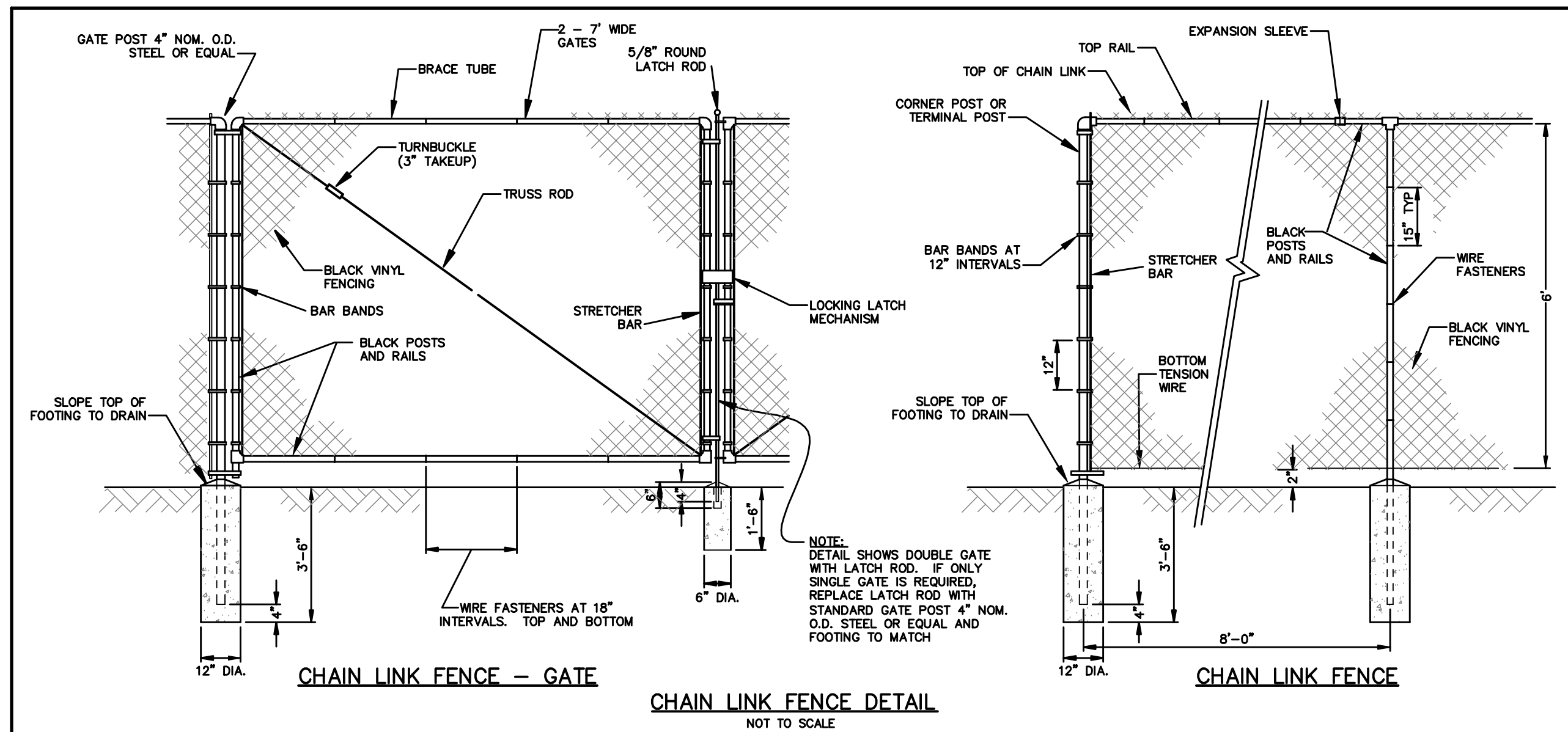
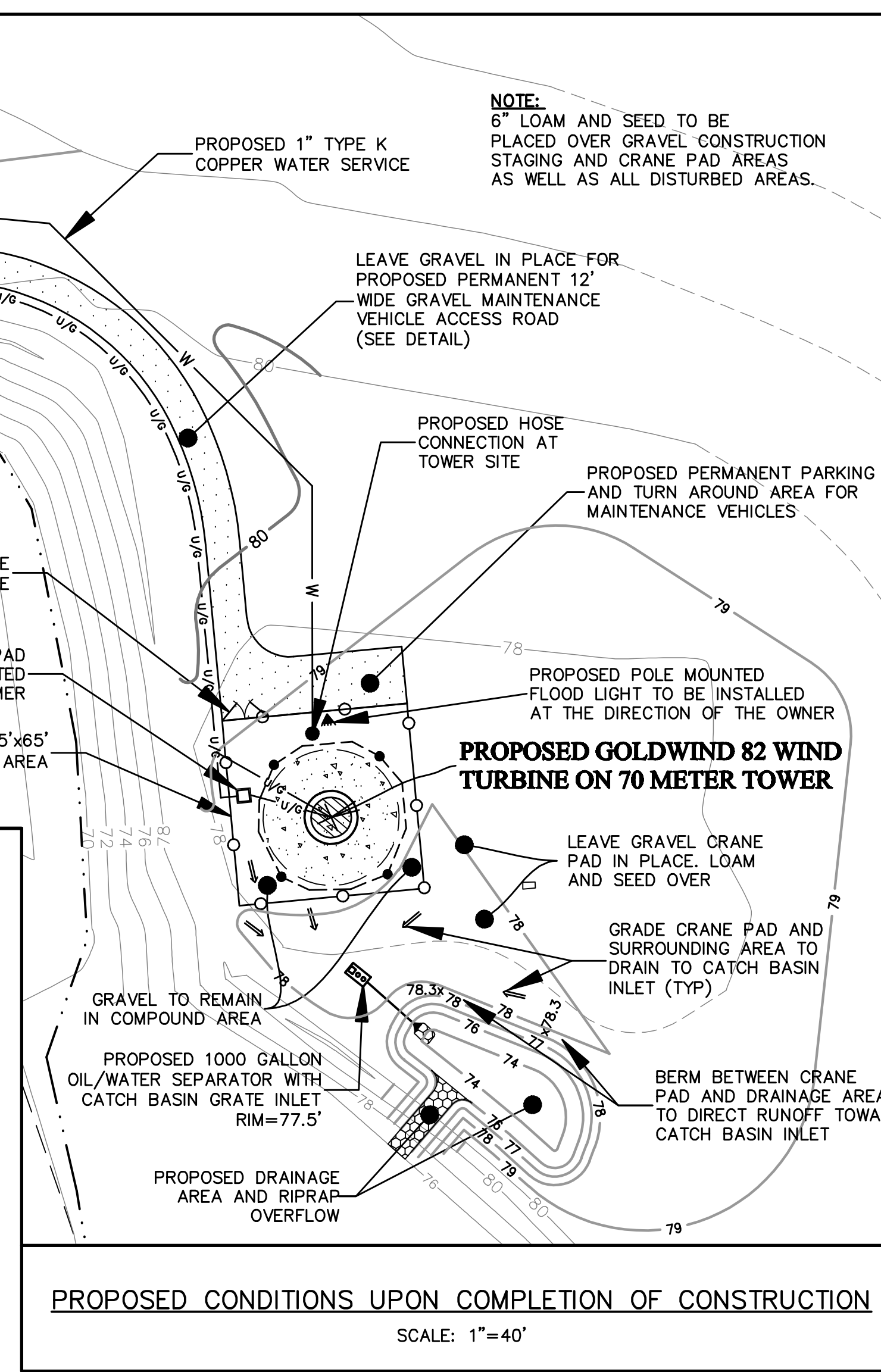
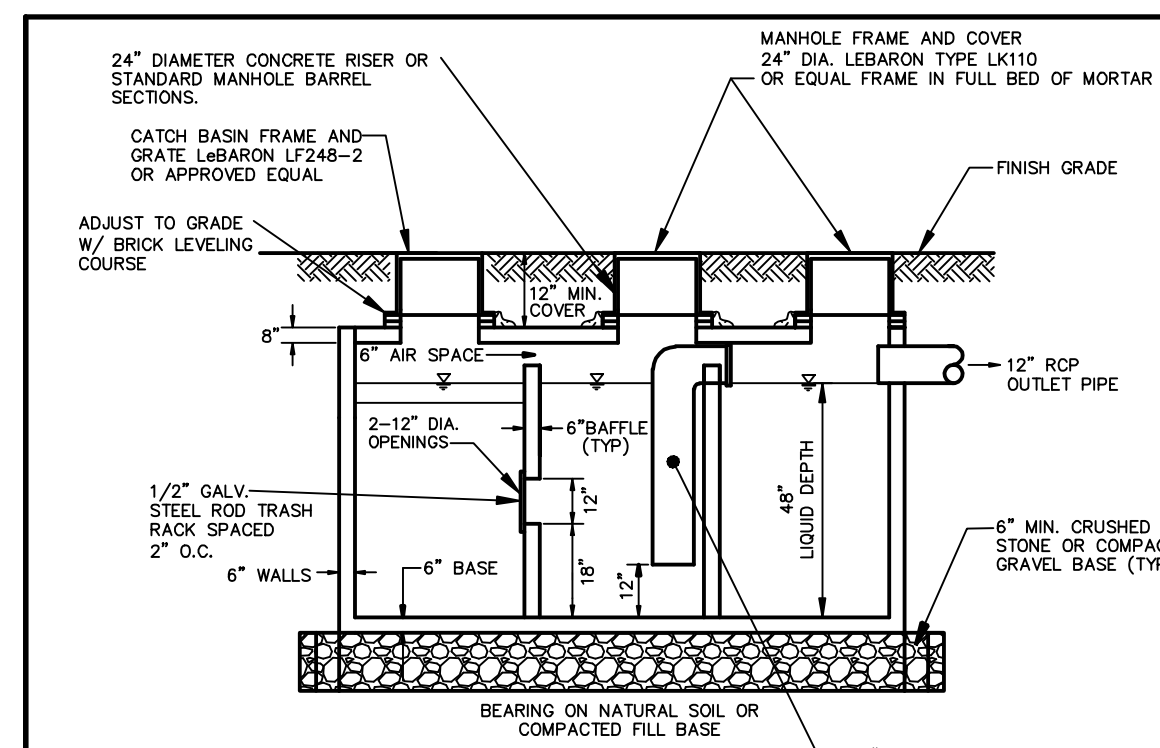
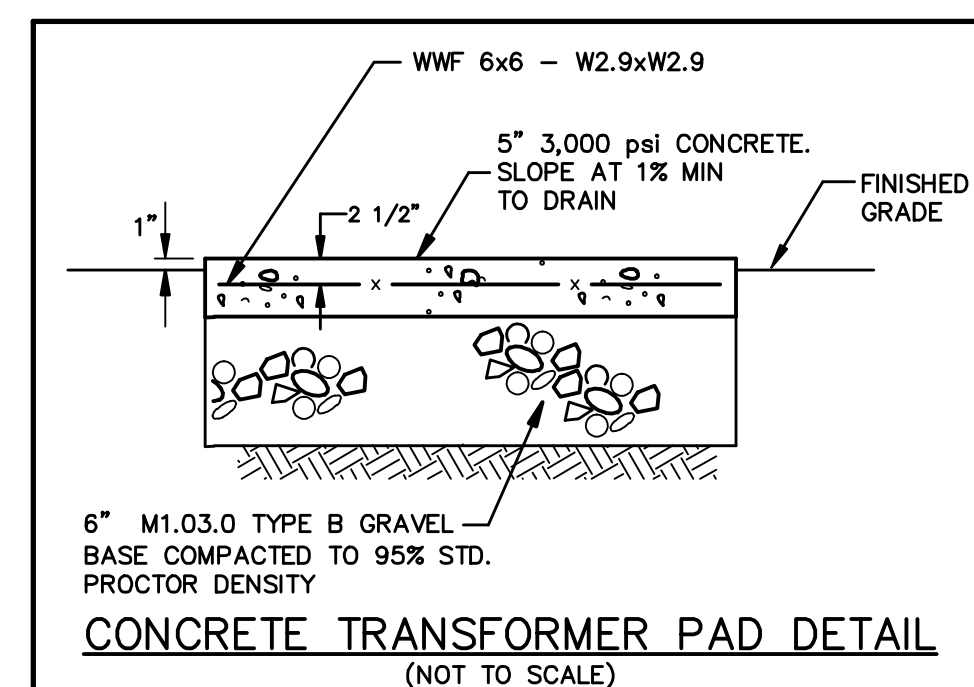
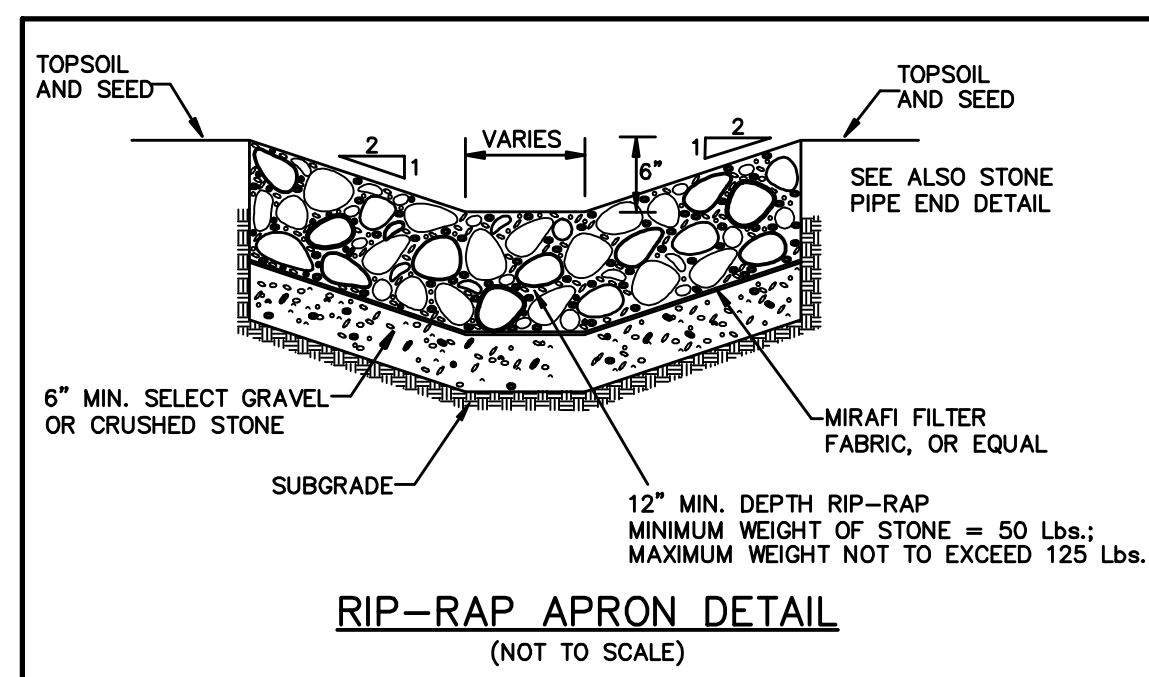
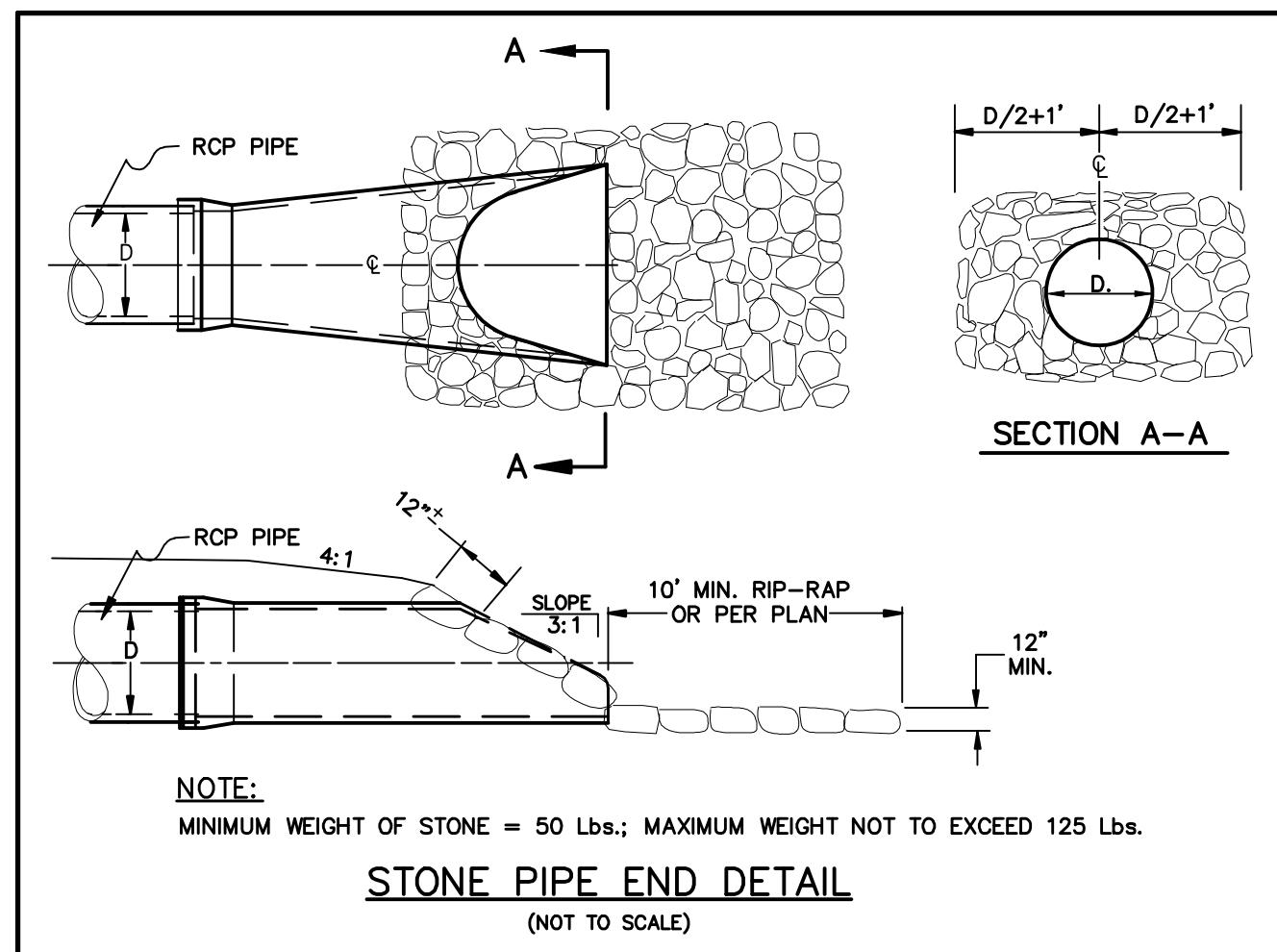
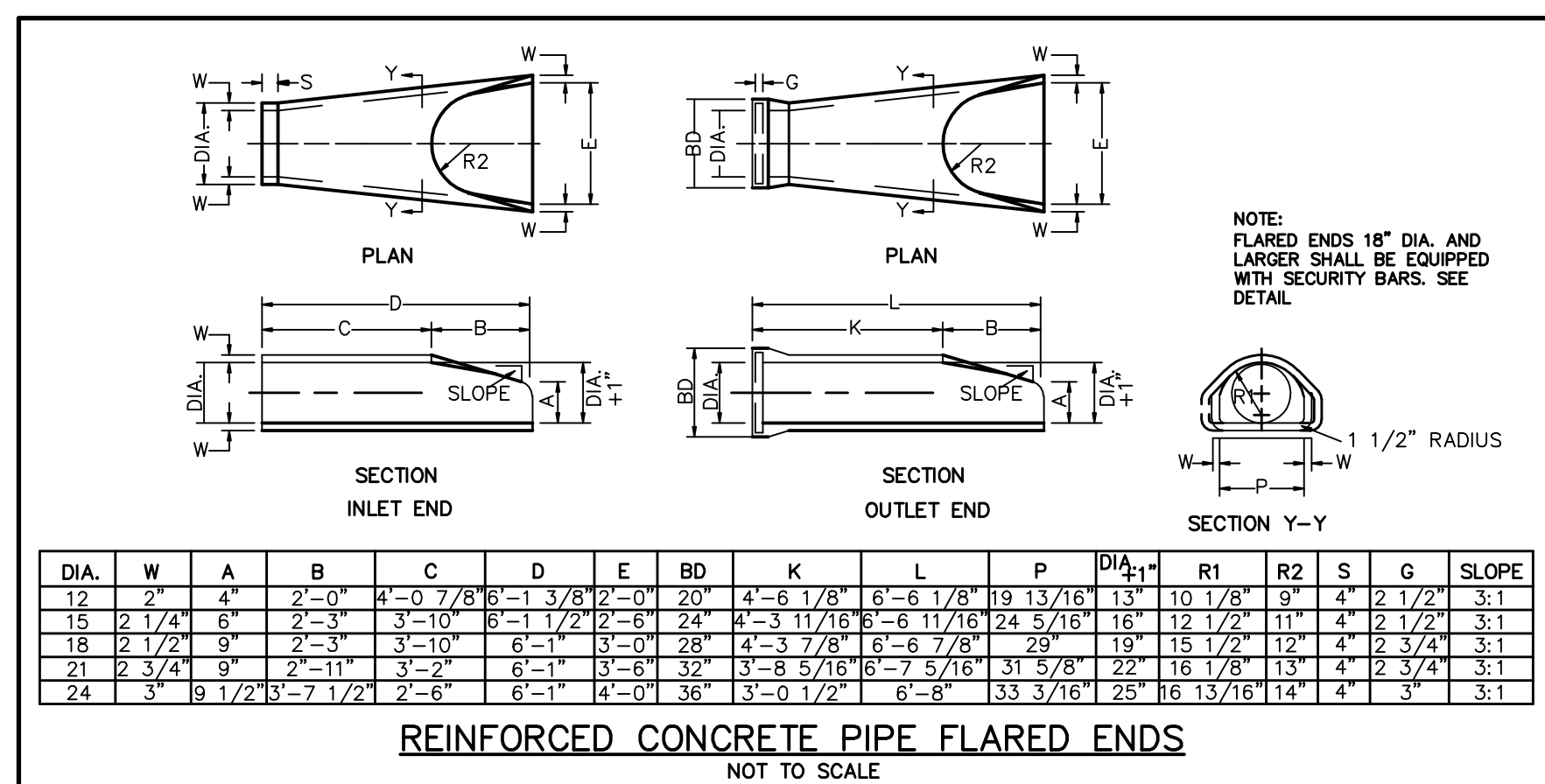
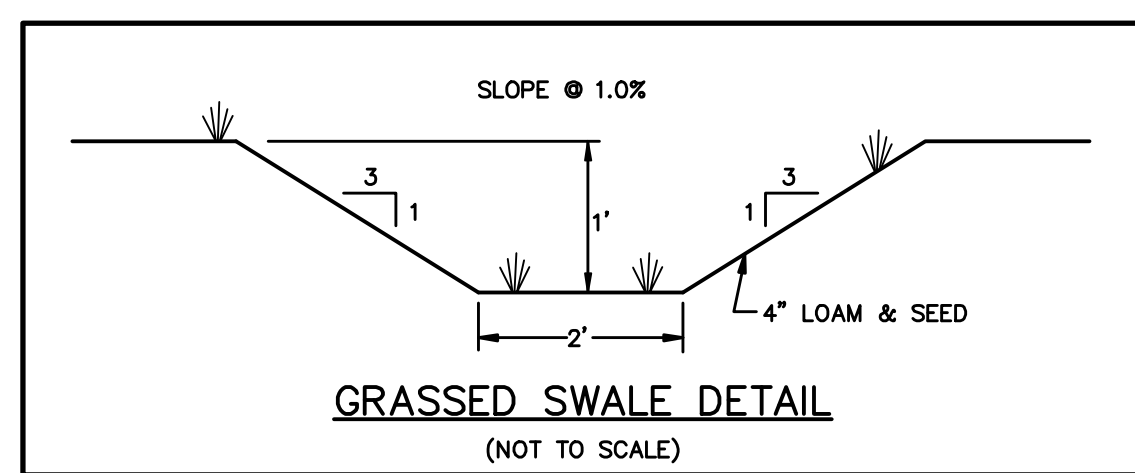
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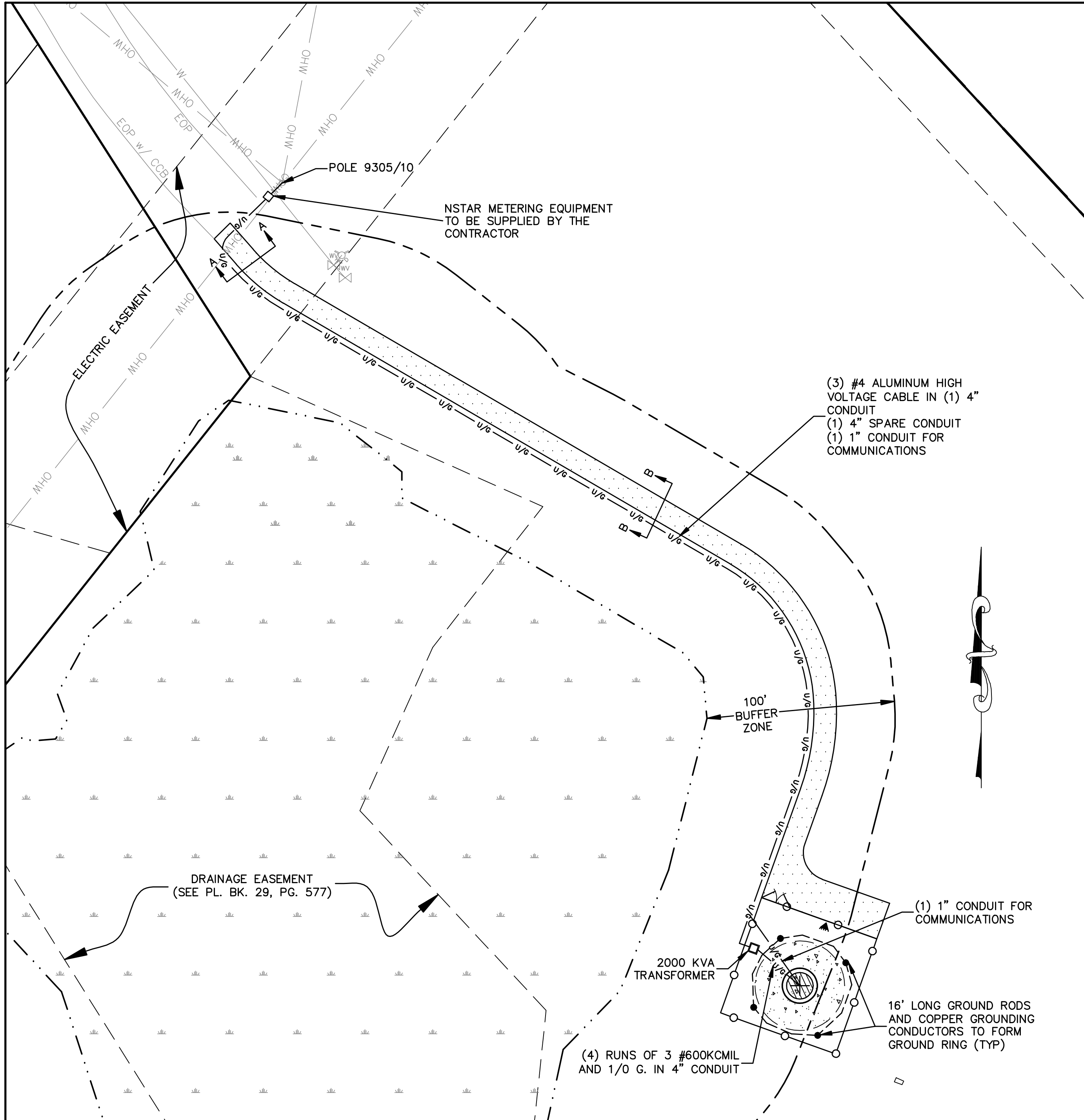
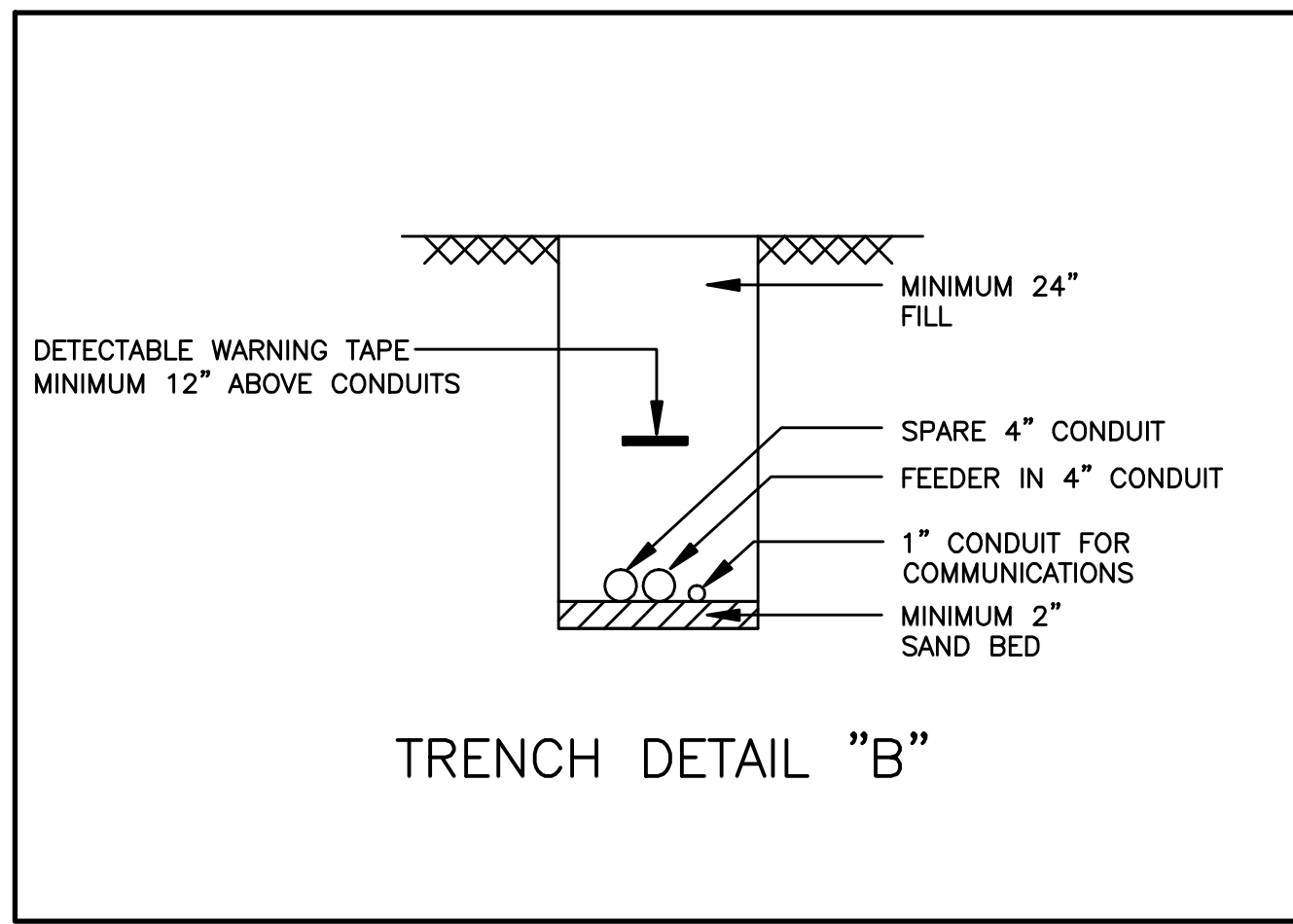
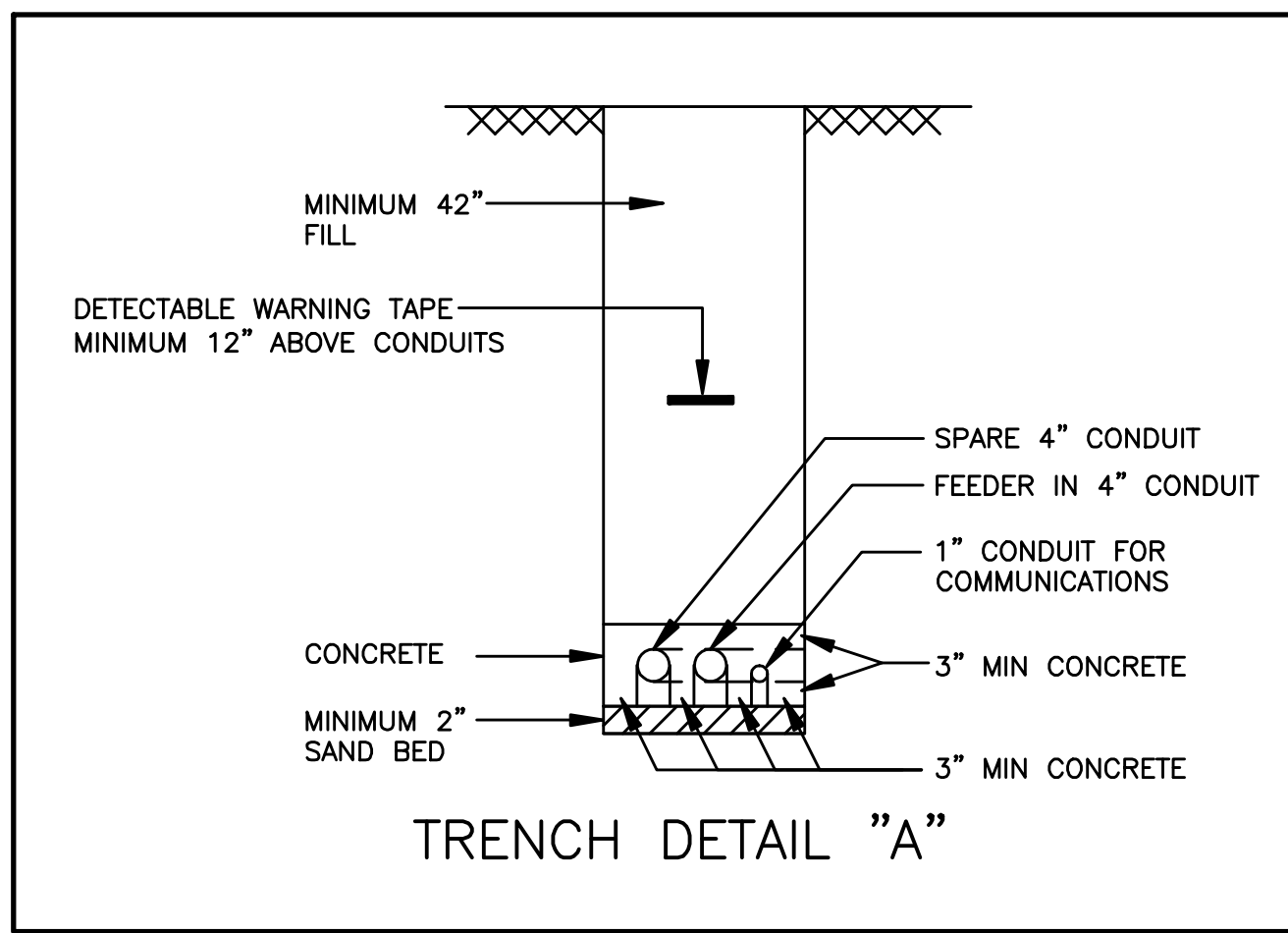
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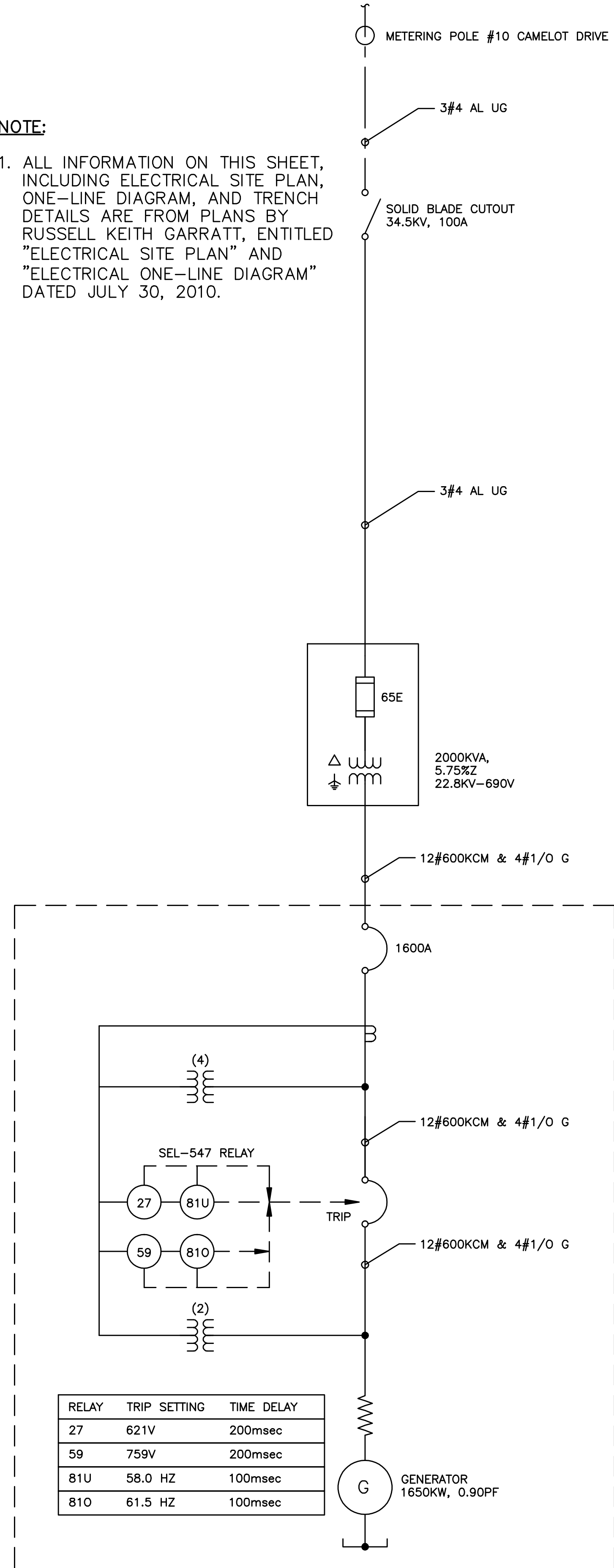
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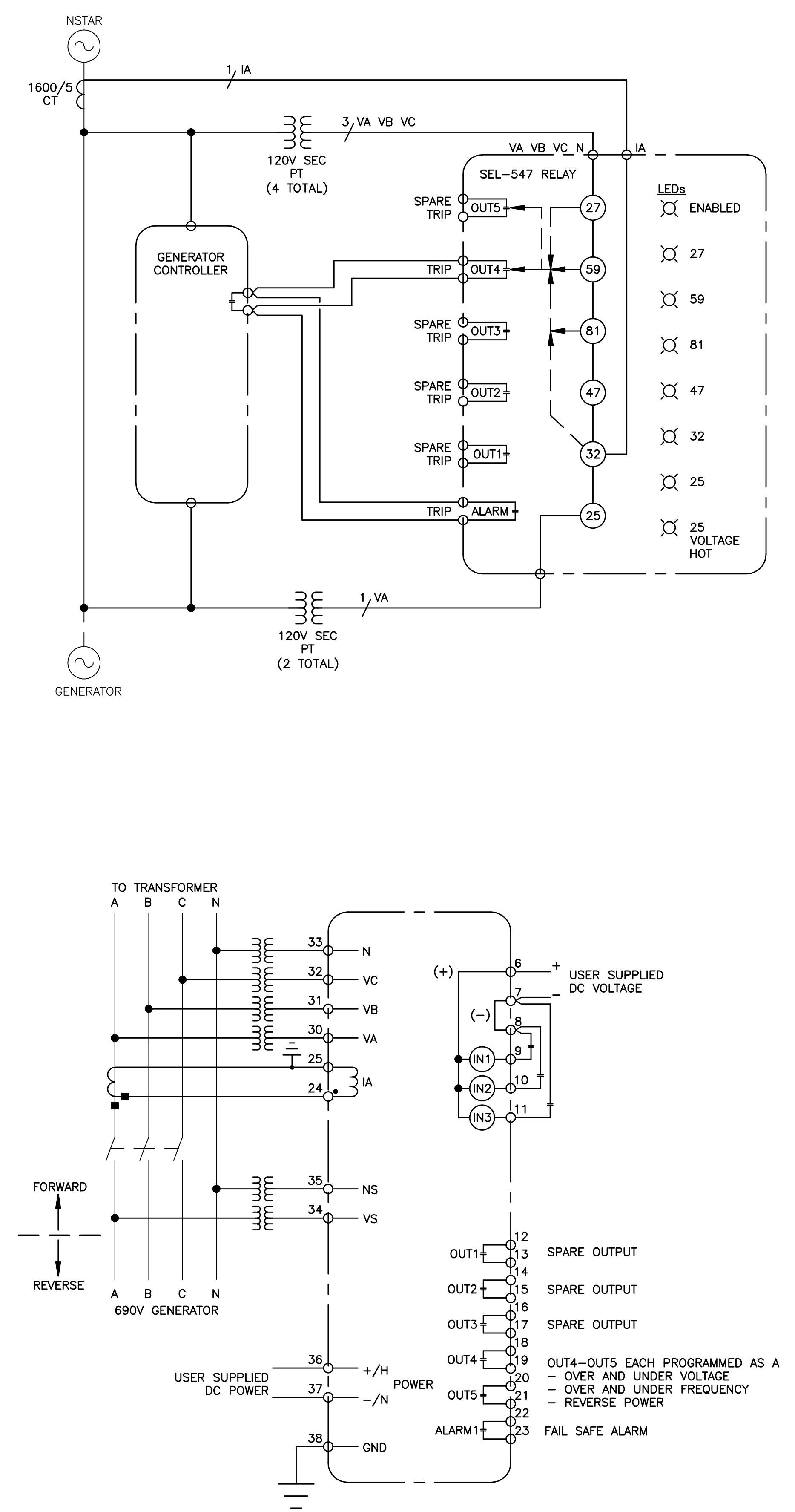


ELECTRICAL SITE PLAN
SCALE: 1"=40'

NOTE:
1. ALL INFORMATION ON THIS SHEET, INCLUDING ELECTRICAL SITE PLAN, ONE-LINE DIAGRAM, AND TRENCH DETAILS ARE FROM PLANS BY RUSSELL KEITH GARRATT, ENTITLED "ELECTRICAL SITE PLAN" AND "ELECTRICAL ONE-LINE DIAGRAM" DATED JULY 30, 2010.



ELECTRICAL ONE-LINE DIAGRAM



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