DEFINITIVE RESIDENTIAL SUBDIVISION PLAN

FIVE PATHS ASSESSORS MAP #39 PARCEL 15A WAYLAND, MA

SITE DATA

LOT AREA: WATER SUPPLY: SEWAGE DISPOSAL: 13.74± AC. (598,679 ±SF) MUNICIPAL INDIVIDUAL ONSITE SEWAGE DISPOSAL SYSTEMS

ASSESSORS REFERENCE

ASSESSORS MAP 39, PARCEL ID 15A W. FLOYD & PAULA D. WILKINSON SUBDIVISION: LOT 1, 2, 3, REMAINING LAND OF PARCEL 15A & FIVE PATHS COURT RIGHT-OF-WAY

GENERAL NOTES

- 2. UNLESS OTHERWISE SHOWN, ALL NEW UTILITIES SHALL BE UNDERGROUND
- LOCATIONS OF EXISTING FEATURES OR PROPOSED IMPROVEMENTS DERIVED BY SCALING DRAWINGS MAY NOT BE ACCURATE. PROPER' LINES SHOWN HEREON ARE APPROXIMATE. SEE PLAN REFERENCE HEREON

- 7. ANY INTENDED REVISION OF THE HORIZONTAL AND/OR VERTICAL LOCATION OF IMPROVEMENTS TO BE CONSTRUCTED AS SHOWN HEREON SHALL BE REVIEWED AND APPROVED BY ENGINEER PRIOR TO IMPLEMENTATION
- 8. CONTRACTOR SHALL NOTIFY ENGINEER UPON COMMENCEMENT OF CONSTRUCTION IN ORDER TO ENSURE THAT REQUIRED INSPECTIONS ARE PERFORMED IN A TIMELY AND EFFICIENT MANNER.
- 9. CONTRACTOR SHALL PROMPTLY NOTIFY ENGINEER UPON DISCOVERY OF ANY UNFORESEEN SURFACE OR SUBSURFACE CONDITIONS THAT MAY IMPACT SITE CONSTRUCTION.
- 10. FINISH RIM ELEVATIONS SHOULD MATCH PAVEMENT, GRADING OR LANDSCAPING, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- 11. WHERE EXISTING UTILITY LINES/STRUCTURES ARE TO BE CUT/BROKEN DOWN/ABANDONED, LINES/STRUCTURES SHALL BE
- PLUGGED/CAPPED/FILLED IN ACCORDANCE WITH UTILITY OWNER REQUIREMENTS.

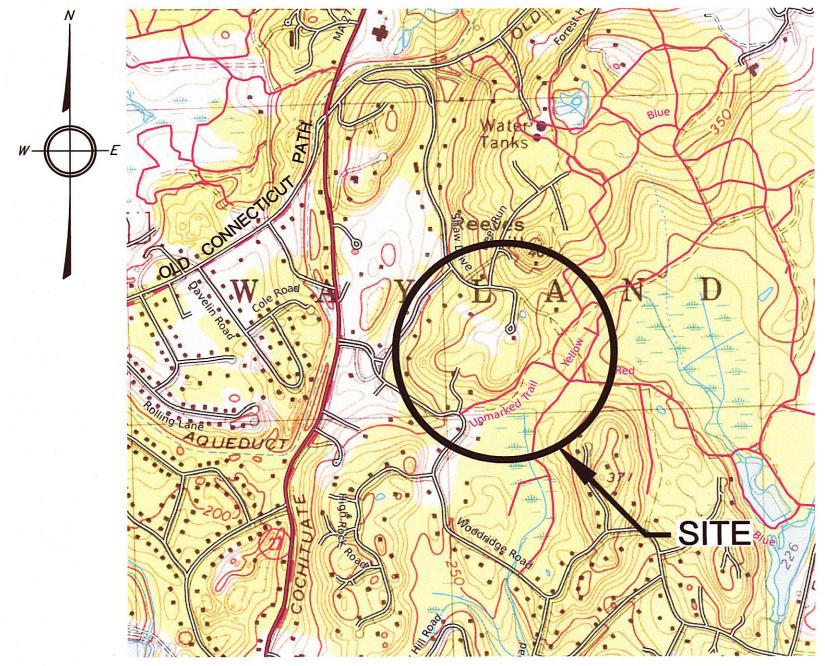
12. EROSION CONTROL MEASURES, SUCH AS SILT FENCE OR STRAW BALES AS MAY BE SHOWN HEREON, SHALL BE INSTALLED BEFORE EARTH

- DISTURBANCE OCCURS WITHIN BUFFER ZONE, AND SHALL SERVE AS THE LIMIT OF WORK. 13. WHERE THE WORD "INSTALL" IS USED HEREIN, IT IS INTENDED TO DIRECT CONTRACTOR TO "FURNISH, INSTALL, AND PLACE IN OPERATION"
- 14. ALL STORM DRAIN PIPE TO BE SMOOTH INTERIOR HDP PIPE, 2.0 PSI GASKETED JOINT, UNLESS OTHERWISE NOTED.
- 15. WHERE SHOWN, CONSTRUCTION NOTES ARE INTENDED TO SUMMARIZE AND CLARIFY MAJOR ITEMS OF WORK. THESE NOTES SHOULD NOT BE CONSTRUED AS AN EXHAUSTIVE LISTING OF ALL WORK REQUIRED. CONTRACTOR SHOULD CONTACT ENGINEER WHEN FURTHER CLARIFICATION OF DEPICTED WORK IS DESIRED.
- 16. CONSTRUCTION OF FIRE AND DOMESTIC WATER SUPPLY IMPROVEMENTS SHALL CONFORM TO TOWN OF WAYLAND REQUIREMENTS.
- 17. WHERE DIMENSIONS INVOLVE CURB, DIMENSIONS ARE TO FACE OF CURB. WHERE SLOPED GRANITE CURB OR CAPE COD BERM SPECIFIED, FACE OF CURB IS EDGE OF FINISH PAVEMENT AT TOE OF CURB.
- 18. NO DEBRIS, JUNK, RUBBISH OR OTHER NON-BIODEGRADABLE MATERIALS, FILL CONTAINING HAZARDOUS MATERIALS OR WASTES, OR STUMPS SHALL BE BURIED ON ANY LAND ON THIS SITE, OR LEFT ON ANY LOT OR ON THE STREET RIGHT OF WAY.
- 19. EXISTING CONDITION INFORMATION BASED ON AN ON-THE-GROUND TOPOGRAPHIC AND BOUNDARY SURVEY PERFORMED BY GOLDSMITH, PREST & RINGWALL, INC. IN MAY AND JULY 2019.
- 20. FIRE BOXES TO BE PROVIDED AS REQUIRED BY THE TOWN OF WAYLAND FIRE DEPARTMENT.

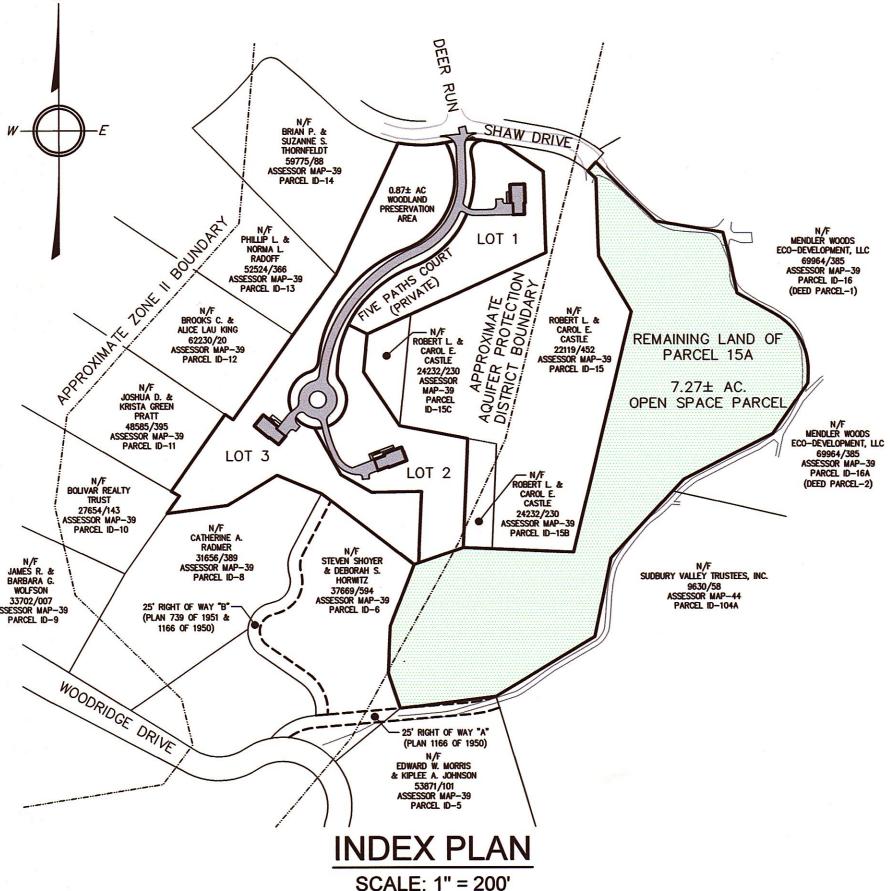
REGULATORY NOTES

THE COMPONENT REFERRED TO.

- I. CONTRACTOR SHALL CONTACT DIG-SAFE FOR UNDERGROUND UTILITY MARKING AT 888.344.7233 AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY WORK. CONTRACTOR SHALL GIVE TWENTY-FOUR (24)-HOUR NOTICE TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING ANY WORK IN THE FIELD.
- 2. CONTRACTOR SHALL COORDINATE AND OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY REGULATORY AUTHORITIES.
- 3. CONTRACTOR SHALL BE AWARE OF ALL CONSTRUCTION REQUIREMENTS, CONDITIONS, AND LIMITATIONS IMPOSED BY PERMITS AND APPROVALS ISSUED BY REGULATORY AUTHORITIES PRIOR TO COMMENCEMENT OF ANY WORK.
- 4. GENERAL COMPLIANCE WITH 28 CFR PART 36 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND 521 CMR PART C, EXTERIOR OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD REGULATIONS IS INTENDED. CONTRACTOR SHALL VERIFY COMPLIANCE DURING CONSTRUCTION AND SHALL NOTIFY THE OWNER OF ANY NON-COMPLIANCE ISSUES AS SOON AS DISCOVERED.



KEY PLAN SCALE: 1" = 1000' ±



ZONING

Parameter	Section [1]	Required	Proposed
Zoning District	Zoning Map	R-60 (60,000 sf lots)	Complies
Overlay District	Overlay Map	Aquifer Protection	Project partially located in overlay district and complies
3			with overlay district requirements.
Proposed Use	198-1603.1 (vi)	Residential	Allowed
Lot Area [see Note 2]	198 Attachment 1	60,000 SF	Complies
Frontage [see Note 2]	198 Attachment 1	210 FT	Complies
Lot Width [see Note 2]	198-705.1.8	100 Ft circle	Complies
Wetlands Setback		None on site	N/A
MDEP Riverfront Area	_	None on site	N/A
FEMA Floodplain	-	None on site	N/A
ACEC	_	None on site	N/A
Zone 1 Protective Radius	_	None on site	N/A
Mapped Zone 2	-	None on site	N/A
IWPA	_	None on site	N/A

unless the center of a circle 100 feet in diameter can be passed along a continuous line from the side line of the street along which the frontage of the lot is measured to any point of the dwelling, or proposed dwelling, on the lot without the circumference intersecting any

SF=square feet; CF=cubic feet; FT=feet; GFA=gross floor area; AC=acres; PB=Planning Board; ZBA=Zoning Board of Appeals; IWPA=interim wellhead protection area; ACEC=Area of Critical Environmental Concern; FIRM=Flood Insurance Rate Map; MDEP=Massachusetts Dept of Environmental Protection

REFERENCES

- 1. "SUBSURFACE SEWAGE DISPOSAL SYSTEM NEW CONSTRUCTION FIVE PATHS COURT, WAYLAND, MA" PREPARED FOR ROSS C. WILKINSON, AND ESTATE OF PAULA D. WILKINSON BY GOLDSMITH, PREST & RINGWALL, INC. DATED OCTOBER 2020. JOB NO. 171053
- 2. "CERTIFICATION OF PLANNING BOARD ACTION ON FIVE PATHS RESIDENTIAL SUBDIVISION MEMO, MAP 39, PARCEL 039-15A" AS ISSUED BY THE TOWN OF WAYLAND PLANNING DEPARTMENT. DATED SEPTEMBER 17, 2020.

APPROVED WAIVERS (SEE REFERENCE NO. 2)

(FROM THE "THE TOWN OF WAYLAND MASSACHUSETTS SUBDIVISION RULES AND REGULATIONS," ADOPTED OCTOBER, 1968, REVISED SEPTEMBER 4, 2001 AND AUGUST 18, 2015, AS ALLOWED PER SECTION VI(B))

SECTION IV.B.1.D: DESIGN STANDARDS - STREETS - LOCATION AND ALIGNMENT

REQUIREMENT: A MINIMUM SEPARATION OF FIFTY (50) FEET FROM THE SUBDIVISION BOUNDARY TO THE RIGHT-OF-WAY.

ALLOW A MINIMIUM SEPARATION OF 38.7± FEET AND 43.9± FEET BETWEEN THE RIGHT OF WAY AND RESPECTIVELY, THE WESTERLY AND EASTERLY SUBDIVISION BOUNDARIES.

REQUIREMENT: NO DEAD-END STREET SHALL BE MORE THAN SIX HUNDRED NINETY (690) FEET IN LENGTH, AS MEASURED ALONG ITS CENTER LINE FROM ITS INTERSECTION WITH THE SIDELINE OF THE RIGHT-OF-WAY OF THE THROUGH STREET TO THE CENTER POINT OF THE CIRCULAR TURN-AROUND (MAKING THE OVERALL LENGTH NO MORE THAN SEVEN HUNDRED FIFTY

ALLOW FIVE PATHS COURT DEAD-END STREET RIGHT-OF-WAY CENTERLINE LENGTH OF 1,135'± FROM SIDELINE OF FOX MEADOW DRIVE (NEAREST THROUGH STREET) TO CUL-DE-SAC CENTERPOINT, FOROVERALL LENGTH OF 1,195'±.

SECTION V.B.2.A: REQUIRED IMPROVEMENTS - ROADWAY

REQUIREMENT: EACH STREET OR PORTION THEREOF NECESSARY TO SERVE EACH LOT IN A SUBDIVISION SHALL BE CONSTRUCTED AND BROUGHT TO FINISH GRADE AS INDICATED ON THE APPROVED DEFINITIVE PLAN AND IN ACCORDANCE WITH THE

ALLOW THE CONSTRUCTION OF A DRIVEWAY INSTEAD OF A SUBDIVISION STREET, WITHIN THE RIGHT-OF-WAY SHOWN IN

SECTION IV.B.2: DESIGN STANDARDS - STREETS - RIGHT OF WAY WIDTH AND STREET DESIGN STANDARDS

REQUIREMENT: MINIMUM 290' RADIUS OF CURVE FOR LIMITED RESIDENTIAL STREETS.

ALLOW 18-FEET WIDE PAVEMENT PLUS 2-FEET GRAVEL SHOULDER ON ONE SIDE, AND 160-FEET RADIUS OF CURVATURE FOR FIVE PATHS COURT RIGHT-OF-WAY.

SECTION IV.B.1.C: DESIGN STANDARDS - STREETS - LOCATION AND ALIGNMENT

REQUIREMENT: A MINIMUM 200-FOOT LENGTH TANGENT SHALL BE PROVIDED BETWEEN THE POINT OF TANGENCY (PT, THE END) OF ONE CURVE AND THE POINT OF CURVATURE (PC, THE BEGINNING) OF ANY FOLLOWING CURVE.

GRANTED: ALLOW NO TANGENT BETWEEN CURVES.

APPROVED BY THE WAYLAND PLANNING BOARD

SHEET INDEX

C2.1 EXISTING CONDITIONS

C4.1 LAND DISTURBANCE PLAN

C4.3 GRADING AND PAVING PLAN

C5.1 ROADWAY PLAN AND PROFILES

C6.1 EROSION AND SEDIMENT CONTROL PLAN

C4.5 SITE STABILIZATION PLAN

C7.1 CONSTRUCTION DETAILS

C7.2 CONSTRUCTION DETAILS

C4.2 SITE LAYOUT AND UTILITIES PLAN

C1.1 TITLE SHEET

C3.1 LOTTING PLAN

C4.4 DRAINAGE PLAN

APPLICATION FILED 7.26.19

PLAN APPROVED 9.15.20

HEARING DATE

NICHOLAS

PAULING

No. 47114

12-11-2020

DRAWING ISSUED FOR: ☐ CONCEPT ☐ CONSTRUCTION

☐ CONSTRUCTION

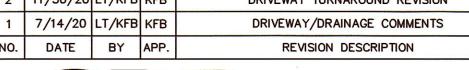
CONSTRUCTION WORK ITEMS/AREAS OF

CONTRACTOR JURISDICTION.

THIS DRAWING MAY NOT SHOW CONSTRUCTION DETAILS AND SPECIFICATIONS FOR ALL PROPOSED MPROVEMENTS, AND MAY NOT IDENTIFY ALL

PER 250 CMR 5.03(13), THE FOLLOWING ARE EXCLUDED FROM THE PROFESSIONAL ENGINEER'S RESPONSIBILITY: ALL BOUNDARY INFORMATION; LOCATION OF EXISTING STRUCTURES, TREES, UTILITIES, TOPOGRAPHY OR SIMILAR FEATURES; DESIGN OF RETAINING WALLS, PROPRIETARY EQUIPMENT. SEE GENERAL NOTES #19.

2	11/30/20	LT/KFB	KFB	DRIVEWAY TURNAROUND REVISION
1	7/14/20	LT/KFB	KFB	DRIVEWAY/DRAINAGE COMMENTS





for Land & Structures

Engineering Solutions

GOLDSMITH, PREST & RINGWALL, INC.

39 MAIN STREET, SUITE 301. AYER, MA 01432 CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING VOICE: 978.772.1590 FAX: 978.772.1591 www.gpr-inc.com

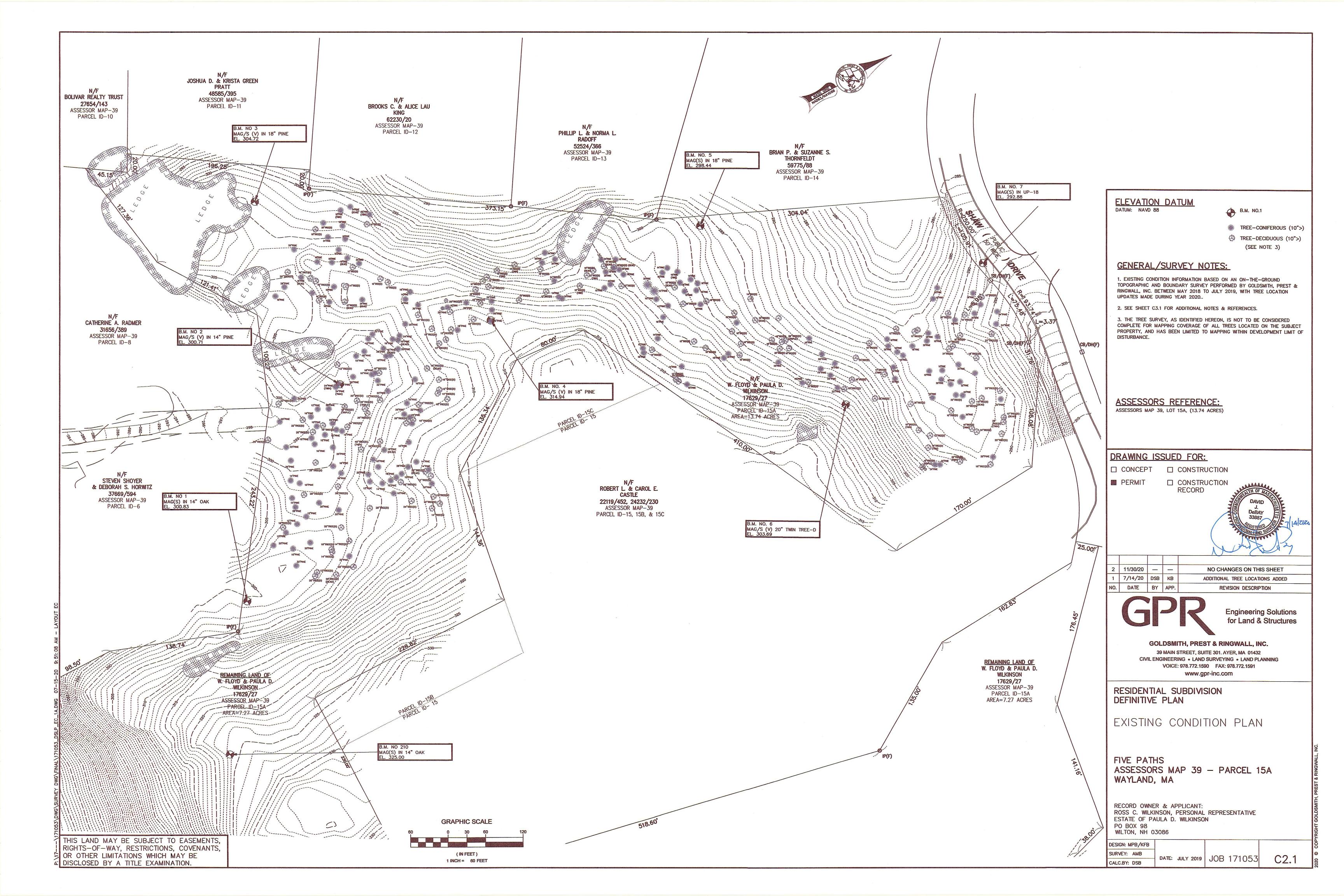
RESIDENTIAL SUBDIVISION DEFINITIVE PLAN

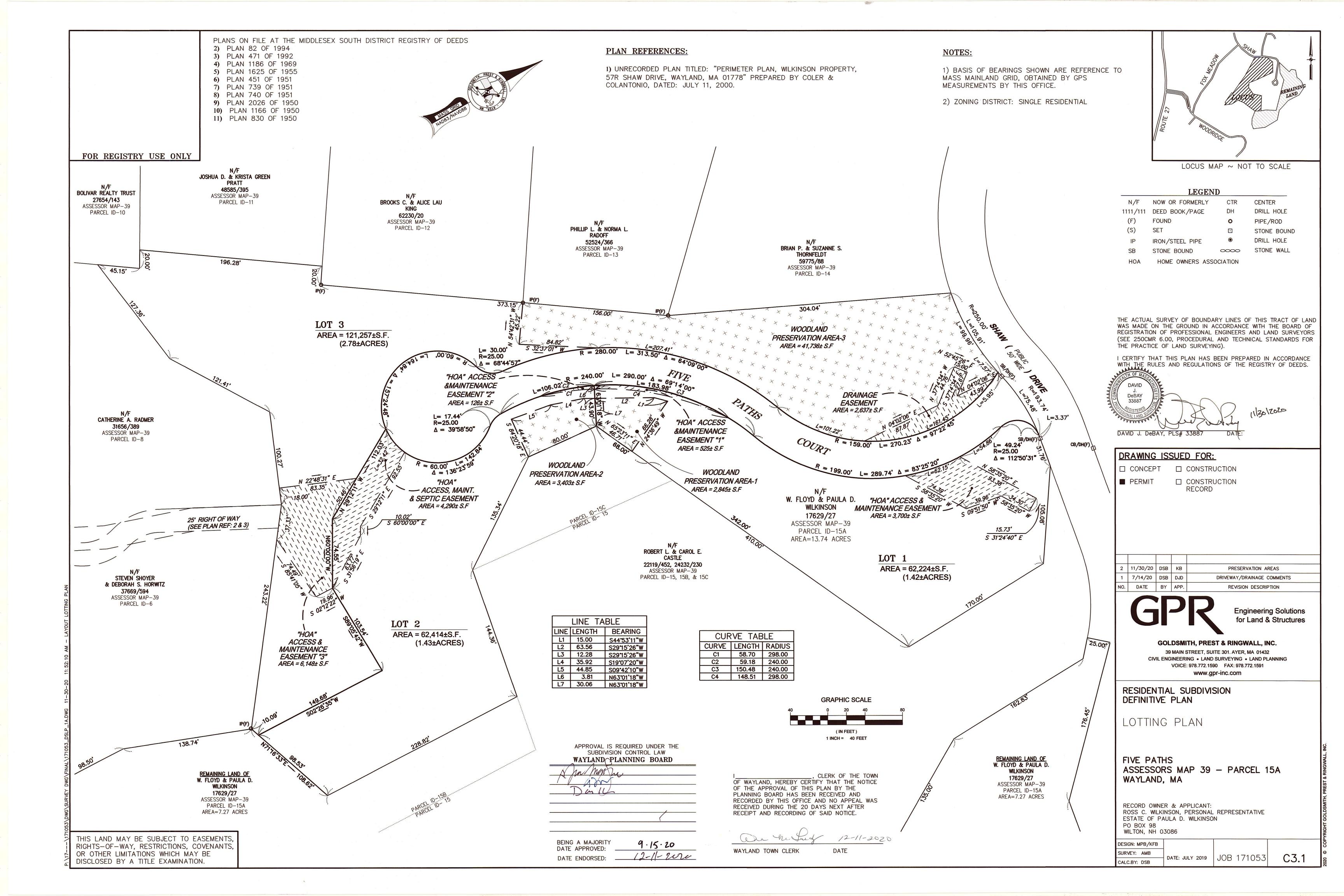
FIVE PATHS ASSESSORS MAP#39 PARCEL 15A WAYLAND, MA

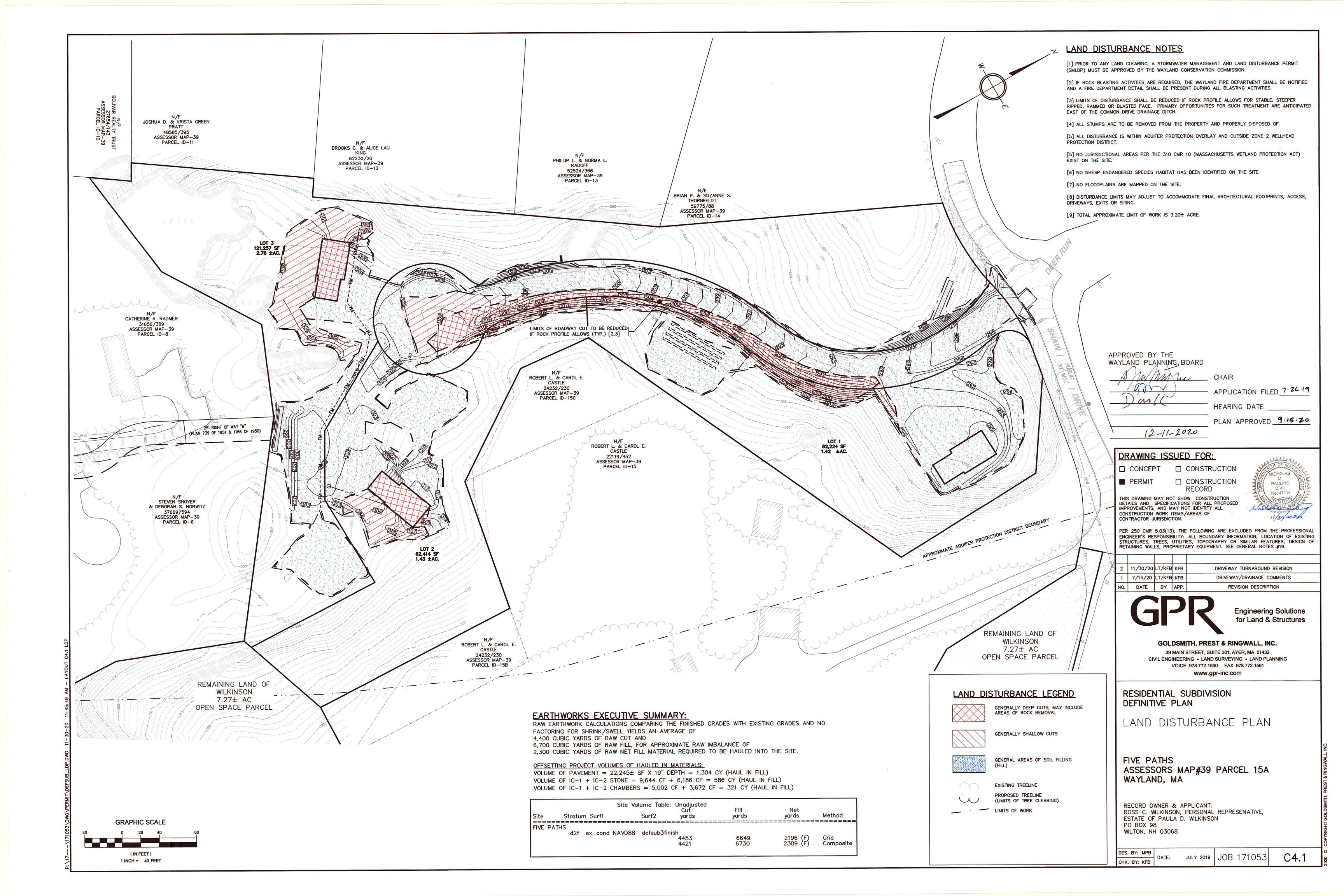
RECORD OWNER & APPLICANT: ROSS C. WILKINSON, PERSONAL REPRESENTATIVE, ESTATE OF PAULA D. WILKINSON PO BOX 98 WILTON, NH 03086

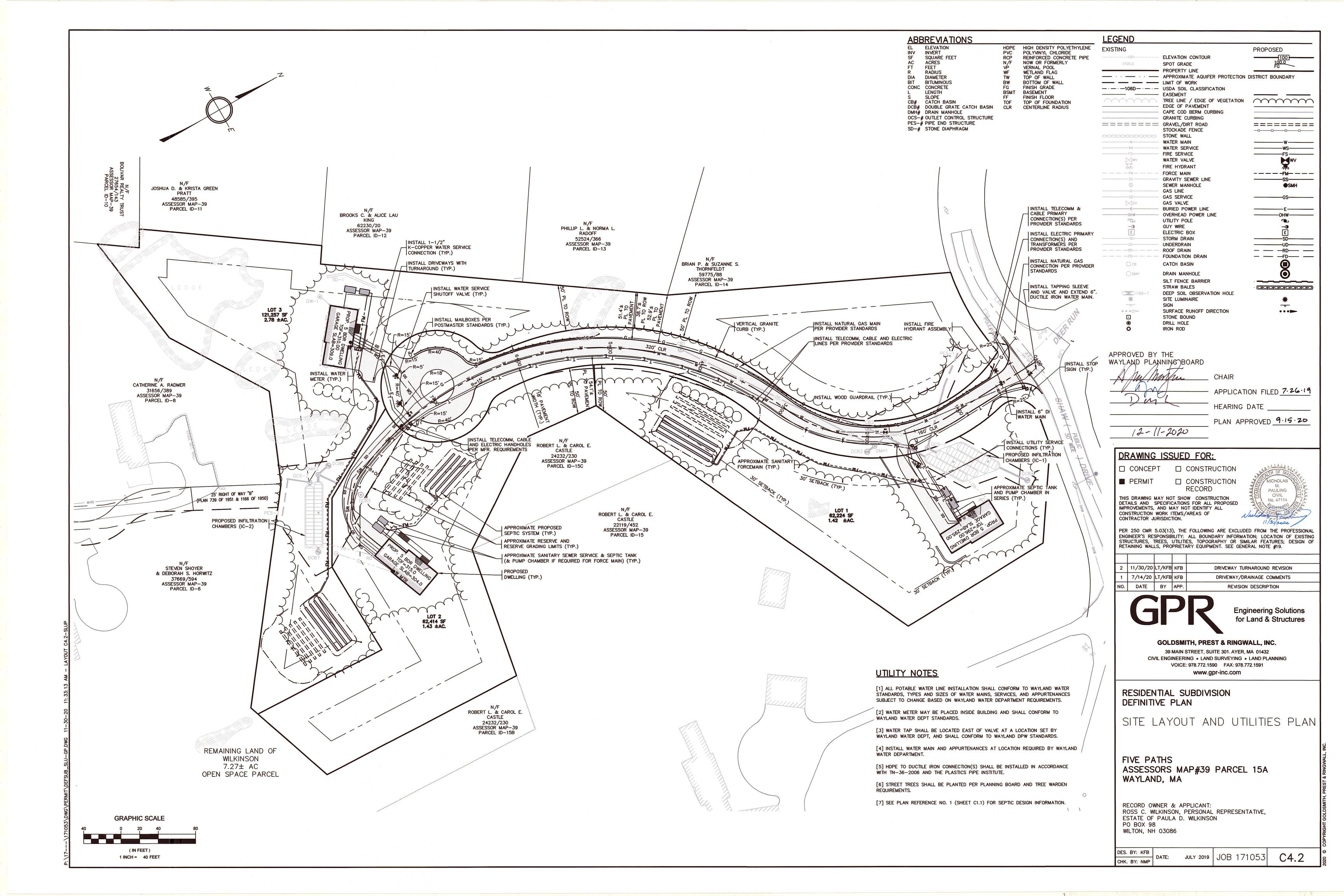
S.	BY:	KFB		
	D\/		DATE:	JULY 2019

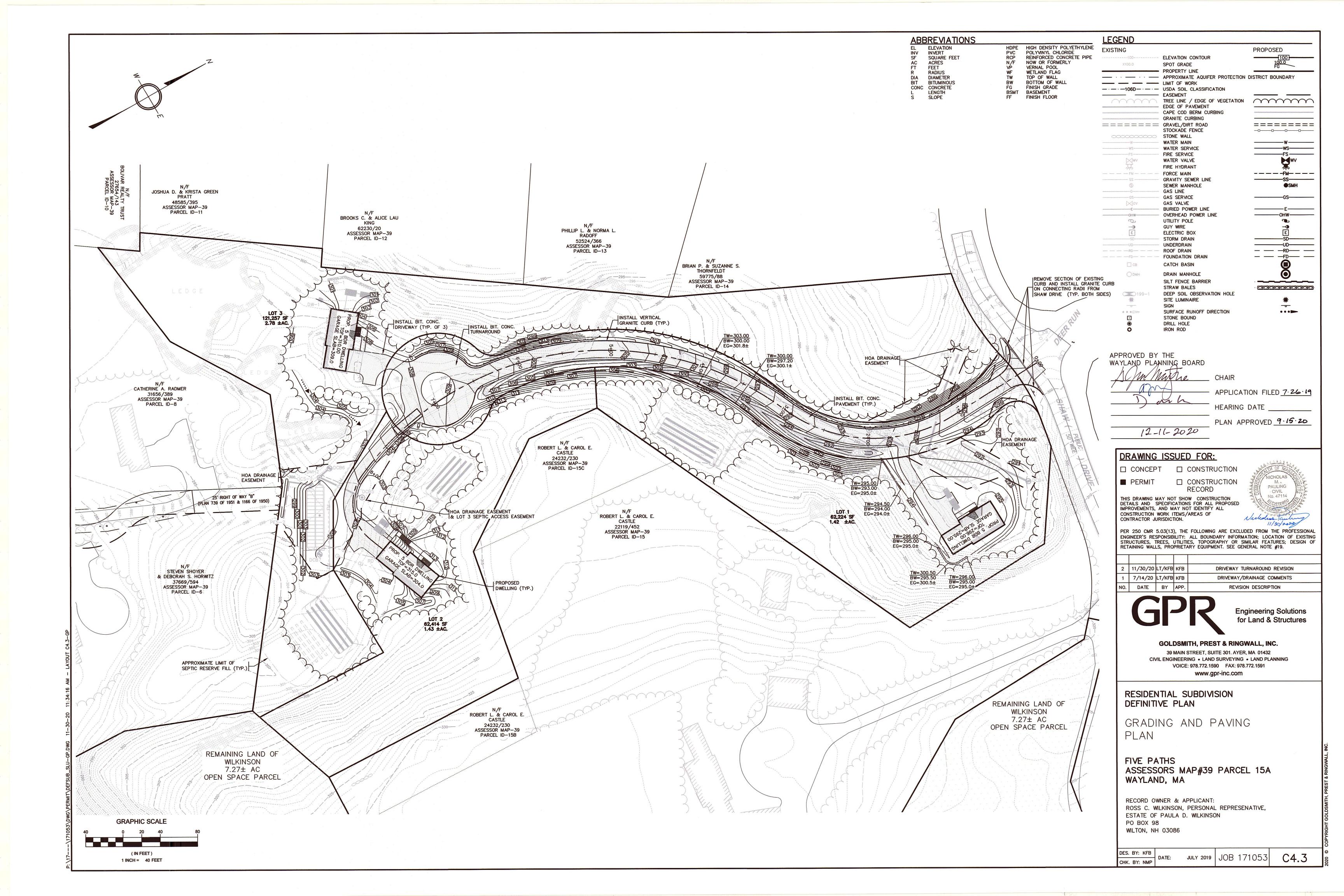
JOB 171053

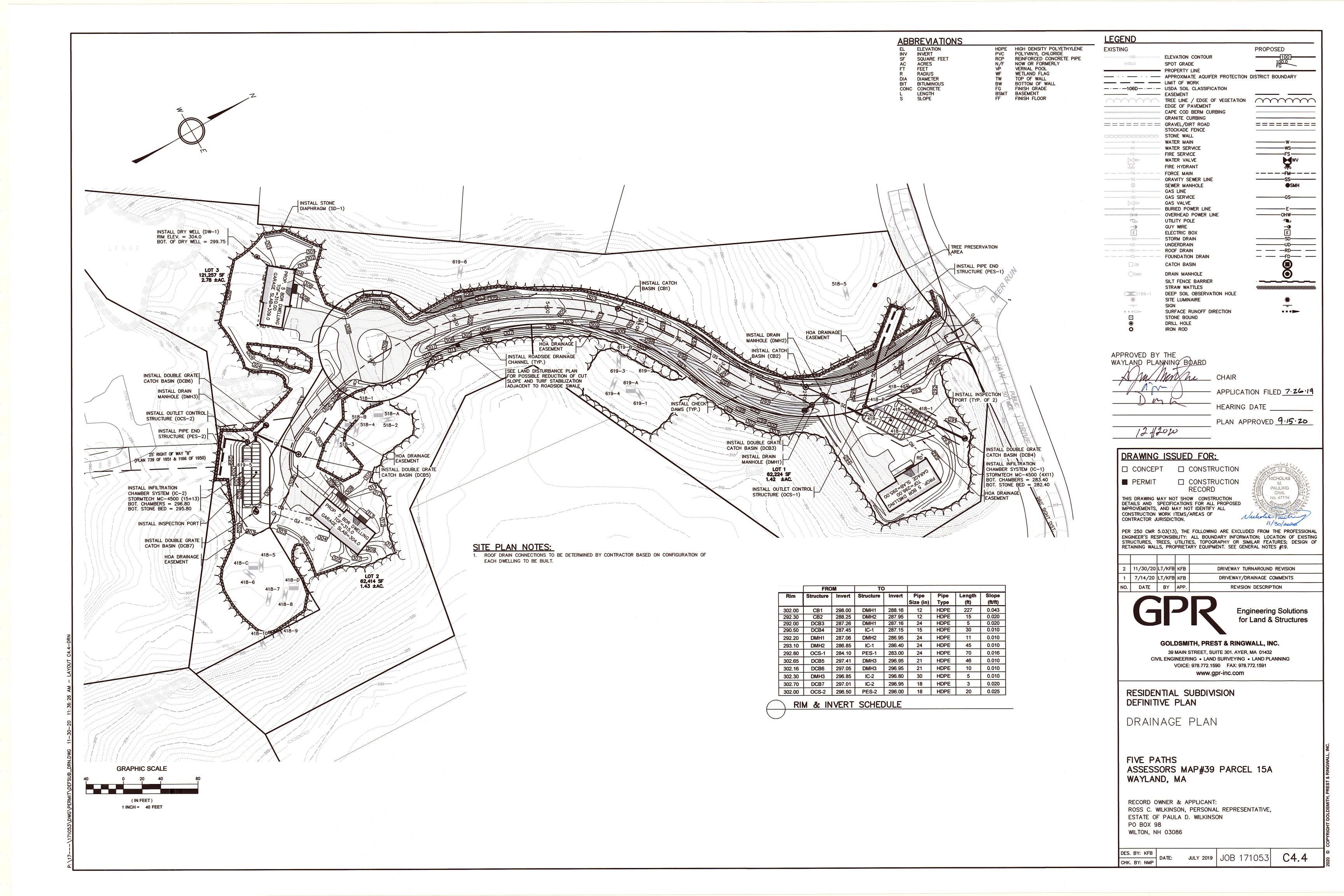


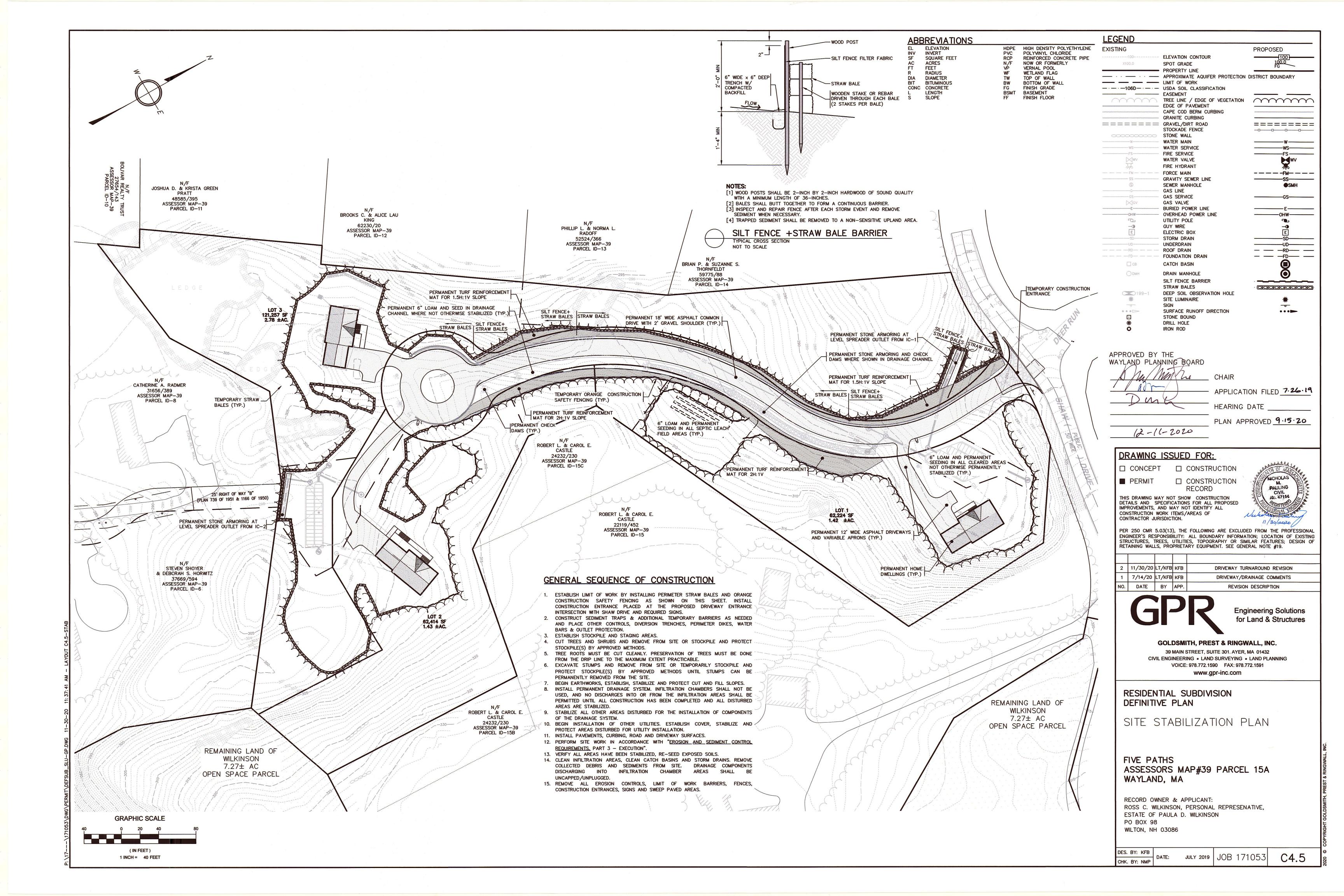


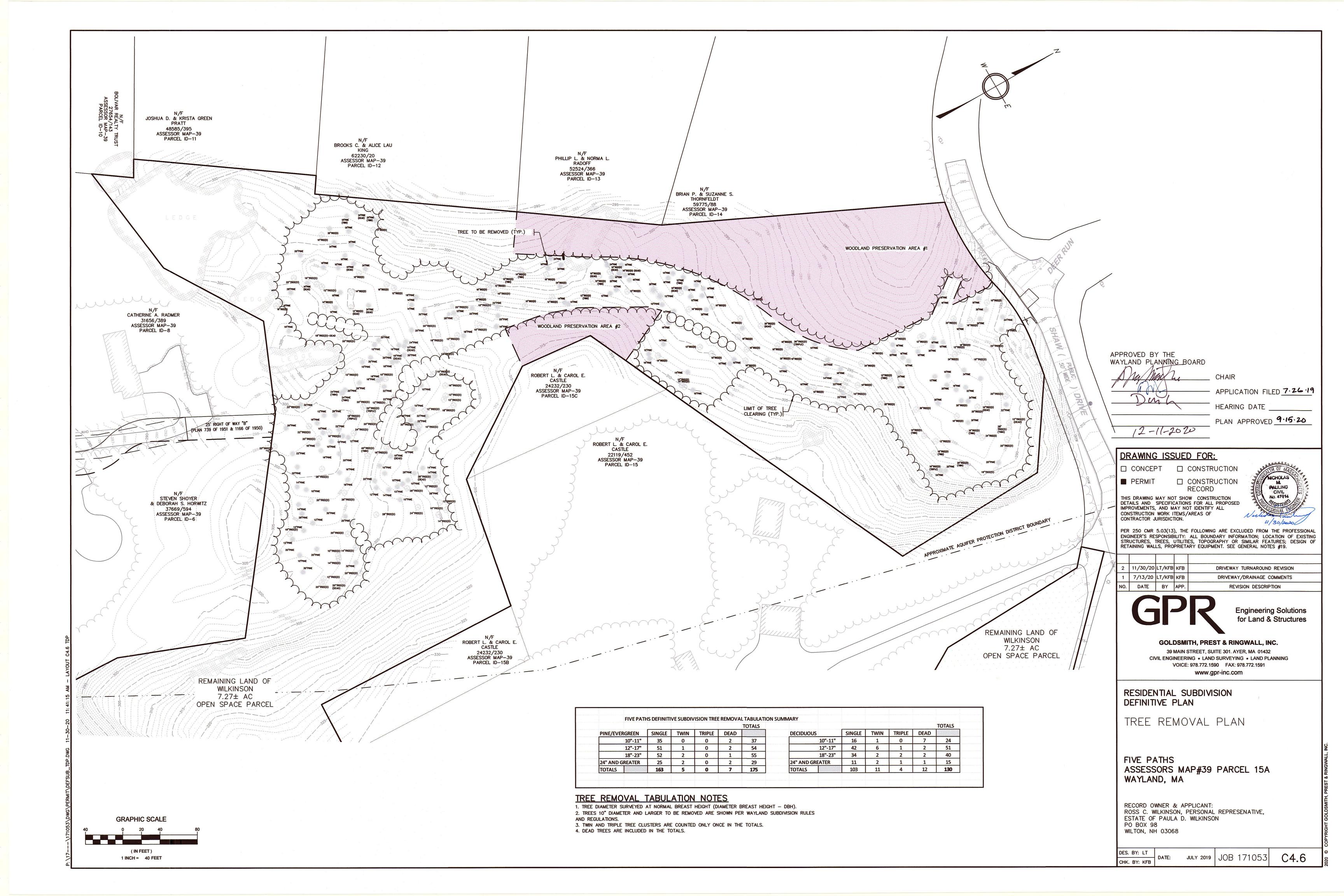


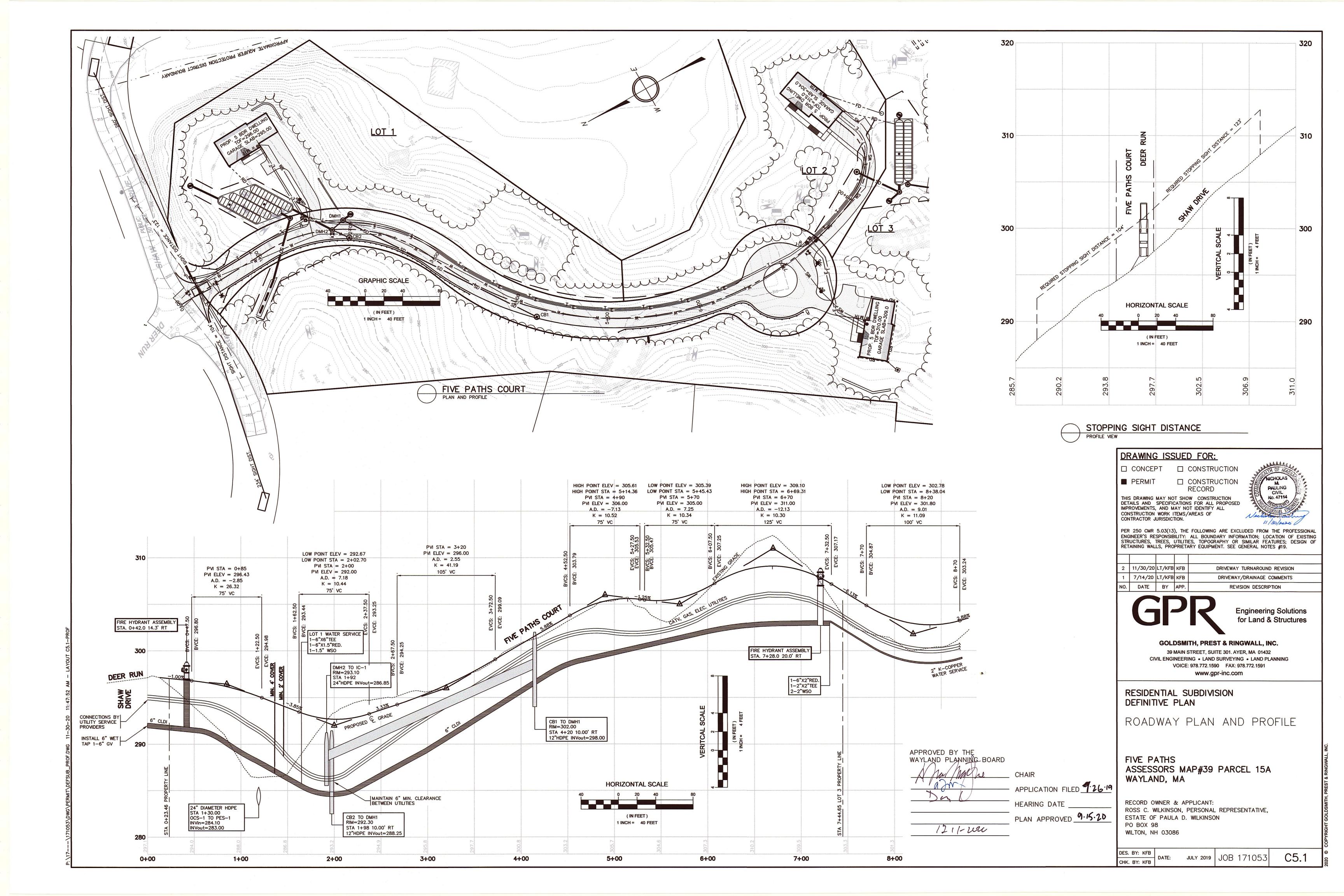












EROSION AND SEDIMENT CONTROL <u>REQUIREMENTS</u>

PART 1 - GENERAL

1.01 SUMMARY

A. FURNISH, INSTALL, AND MAINTAIN TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS, BUT NOT NECESSARILY LIMITED TO, HAY BALE AND SILT FENCE BARRIERS, RIPRAP, DIVERSION CHANNELS AND BERMS, CHECK DAMS, STRATEGICALLY LOCATED STOCKPILES, SEDIMENT BASINS, MULCH, AND SEED MIX (HEREINAFTER "CONTROL MEASURES") ADEQUATE TO PREVENT THE CONVEYANCE OF EROSION PRODUCTS (E.G. SOIL, MULCH, SOD) OFF SITE, OR INTO ENVIRONMENTALLY SENSITIVE AREAS, OR INTO AREAS WHERE WORK WILL BE ADVERSELY IMPACTED. ENVIRONMENTALLY SENSITIVE AREAS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO. WETLANDS, TRIBUTARIES TO WETLANDS, WETLAND BUFFER ZONES, INTERMITTENT AND PERENNIAL STREAMS / RIVERS, AND THEIR ATTENDANT BUFFER ZONES.

I. REFER TO DRAWINGS FOR LOCATION AND DETAILS OF CONTROL MEASURES REQUIRED TO COMMENCE WORK. THESE CONTROL MEASURES WILL BE ADEQUATE ONLY FOR VEGETATION CLEARING. THE DRAWINGS ARE NOT INTENDED TO GRAPHICALLY DEPICT ALL CONTROL MEASURES THAT WILL BE REQUIRED TO MEET THE REQUIREMENTS DESCRIBED 2. DEVISE AND EMPLOY CONTROL MEASURES THROUGHOUT THE DURATION OF PROJECT, OVER ALL AREAS DISTURBED OR UNDISTURBED BY CONSTRUCTION, AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A.

3. DEVISE AND EMPLOY TEMPORARY CONTROL MEASURES AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A, WHILE ALLOWING WORK TO PROCEED IN AN EFFICIENT, COST EFFECTIVE MANNER. 4. DEVISE, EMPLOY AND MAINTAIN CONTROL MEASURES UNTIL SUCH TIME AS THE ENTIRE SITE IS PERMANENTLY STABILIZED BY ESTABLISHED VEGETATION, FINISH

LANDSCAPE MATERIALS, PAVED SURFACES, AND/OR ROOF AREA. 5. ONCE THE SITE IS PERMANENTLY STABILIZED AND CERTIFIED AS SUCH BY ENGINEER.

REMOVE TEMPORARY CONTROL MEASURES WHILE PROTECTING STABILIZED SURFACES.

A. SUBMIT PRODUCT DATA, WARRANTY, AND TEST REPORTS AS INDICATED ON THE DRAWINGS.

1.03 QUALITY ASSURANCE

A. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS FROM ACCEPTABLE MANUFACTURERS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. CONFORM TO CONDITIONS OF APPROVAL ISSUED BY REGULATORY AGENCIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, LOCAL PLANNING BOARD, CONSERVATION COMMISSION, BOARD OF SELECTMEN, BOARD OF HEALTH, PUBLIC WORKS / HIGHWAY DEPARTMENT, STATE ENVIRONMENTAL PROTECTION DEPARTMENT. AND U.S. GOVERNMENT, ENVIRONMENTAL PROTECTION AGENCY. WHERE CONDITIONS OF REGULATORY APPROVAL DIFFER FROM REQUIREMENTS CONTAINED HEREIN OR ON THE DRAWINGS, COMPLY WITH THE MORE STRINGENT REQUIREMENT.

PART 2 - PRODUCTS

2.01 MATERIALS

A. STRAW BALES: DRY GRASS OR STRAW, MACHINE BOUND WITH JUTE OR WIRE, APPROXIMATE SIZE EACH BALE 42" X 16" X 16".

B. SILT FENCE: NON-WOVEN, UV-RESISTANT, POLYPROPYLENE FABRIC, FLOW RATED AT 10 GPM/SF MINIMUM, GRAB TENSILE RATED AT 124 POUNDS MINIMUM, WITH INTEGRAL STAKE LOOPS, AND HARDWOOD STAKES. USE NO. 2130 BY AMOCO FABRICS & FIBERS, OR APPROVED EQUAL.

C. STRAW WATTLES: 100% WHEAT STRAW WITH NATURAL BIO-DEGRADABLE JUTE NETTING. MINIMUM 9-INCH DIAMETER AND 10 FEET LONG. USE DIAMETER 12-INCH OR 20-INCH DIAMETER WATTLES TO PROTECT LARGER UNSTABLE AREAS.

D. MULCH: ORGANICS INCLUDING HAY, PROCESSED PINE / HEMLOCK TWIGS AND

E. SEED MIXES: PERENNIAL RYEGRASS, KENTUCKY BLUEGRASS, AND / OR FINE FESCUE, DISEASE RESISTANT. NON-MAINTAINED AREA OPTION - ANNUAL RYEGRASS COMBINED WITH MEDIUM RED CLOVER.

EXCELSIOR BLANKET: CURLED WOOD FIBER ON PHOTODEGRADABLE EXTRUDED PLASTIC MATRIX, 80% OF FIBERS 6-INCHES LONG OR LONGER, WEIGHT 0.975 POUNDS / SY, CONTAINING NO CHEMICAL ADDITIVES. USE CURLEX I BLANKET BY AMERICAN EXCELSIOR COMPANY, OR APPROVED EQUAL.

G. ROCK RIPRAP: SOUND, ANGULAR, 6-INCH MINUS PROCESSED ROCK, BLAST ROCK,

G. CRUSHED STONE: SOUND, ANGULAR, 2-INCH MINUS PROCESSED CRUSHED STONE

PART 3 - EXECUTION

3.01 THROUGHOUT CONSTRUCTION

A. DEVISE WORK SEQUENCE SO AS TO LIMIT DRAINAGE AREA THAT IS TRIBUTARY TO DISTURBED AREAS. DEVISE, EMPLOY, AND MAINTAIN CONTROL MEASURES SUCH AS DIVERSION CHANNELS AND BERMS, STRATEGICALLY LOCATED STOCKPILES. AND SEDIMENT BASINS TO SUBDIVIDE DRAINAGE AREAS INTO SMALL, MANAGEABLE SUBAREAS, THEREBY MINIMIZING RUNOFF AND THE POTENTIAL FOR EROSION.

B. MAINTAIN BARRIER AT LIMIT OF WORK AND PROTECT EXISTING VEGETATION / FACILITIES OUTSIDE OF LIMIT OF WORK.

C. MAINTAIN SPARE MATERIAL STOCKPILES FOR IMMEDIATE EMPLOYMENT / REPAIR / EXPANSION OF CONTROL MEASURES. AT A MINIMUM, SUCH MATERIALS SHALL INCLUDE HAY BALES, SILT FENCE AND STAKES, AND CRUSHED STONE.

D. INSPECT AND MAINTAIN EFFECTIVENESS OF CONTROL MEASURES BY REPAIRING AS NECESSARY TO ENSURE INTENDED FUNCTION; BY SUPPLEMENTING AS NECESSARY FOR ADEQUATE EXTENT; BY REMOVING TRAPPED PRODUCTS OF EROSION AS NECESSARY TO MAINTAIN EFFECTIVE TRAP VOLUME.

E. LIMIT EXTENT OF WORK AREA SO THAT ALL DISTURBED AREAS CAN BE STABILIZED WITH CONTROL MEASURES WITHIN A 24-HOUR PERIOD.

F. INSTALL CONTROL MEASURES AS SOON AS PRACTICABLE AFTER EACH MANAGEABLE PORTION OF EARTHWORK IS COMPLETE. EMPLOY TEMPORARY MEASURES AS NECESSARY TO STABILIZE DISTURBED AREAS, EVEN WHERE SUBSEQUENT CONSTRUCTION

G. WHEN INTENSE RAINFALL IS EXPECTED, CONSIDER, DEVISE, AND EMPLOY REINFORCING CONTROL MEASURES PRIOR TO THE RAINFALL EVENT TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A. IF NECESSARY, EMPLOY TEMPORARY CONTROL MEASURES ON MATERIAL STOCKPILES TO COUNTERACT POTENTIAL SEDIMENT TRANSPORT DURING INTENSE RAINFALL

H. WHEN VEHICLE REFUELING IS REQUIRED ON SITE, CONDUCT REFUELING OPERATIONS OUTSIDE OF ENVIRONMENTALLY SENSITIVE AREAS.

I. PROPERLY DISPOSE OF DEBRIS, SOLID WASTE, TRASH, AND CONSTRUCTION WASTE / BYPRODUCTS OFF SITE.

J. SWEEP ON-SITE PAVED AREAS AND OFF-SITE STREETS AS NECESSARY TO PREVENT SILT AND DEBRIS ORIGINATING ON SITE FROM ENTERING CLOSED DRAINAGE SYSTEMS AND / OR ENVIRONMENTALLY SENSITIVE AREAS.

3.02 SITE PREPARATION AND ACCESS

OPERATIONS MAY REQUIRE RE-DISTURBANCE.

A. WALK SITE AND IDENTIFY LOCATIONS OF LIMIT OF WORK AND ENVIRONMENTALLY SENSITIVE AREAS. ESTABLISH CONSTRUCTION STAGING AREA, LOCATED BEYOND ENVIRONMENTALLY SENSITIVE AREAS.

B. INSTALL CONTROL MEASURES AS SHOWN ON THE DRAWINGS, INCLUDING THOSE DEFINING THE LIMIT OF WORK.

C. LIMIT VEHICULAR TRAFFIC TO AND FROM SITE TO MINIMIZE TRANSPORT OF SEDIMENT.

3.03 CLEARING, GRUBBING, AND STRIPPING A. SCHEDULE GRUBBING AND STRIPPING TO OCCUR IMMEDIATELY PRIOR TO EARTH DISTURBANCE. DEPENDING ON SITE AREA, CONSIDER MULTIPLE GRUBBING PHASES, SEQUENCED TO TAKE ADVANTAGE OF THE EROSION PREVENTION POTENTIAL OF

EXISTING VEGETATIVE COVER. B. MINIMIZE THE AREA OF EXISTING VEGETATION REMOVED WHEREVER POSSIBLE C. LOCATE AND SIZE STOCKPILES TO MINIMIZE EROSION POTENTIAL. TAKING ADVANTAGE

D. PROTECT VEGETATION, INCLUDING ROOT SYSTEMS, BEYOND LIMIT OF CLEARING.

DISPOSE OF EXCESS OFF SITE. BURIAL OF STUMPS ON SITE IS PROHIBITED.

OF TERRAIN SLOPE AND ASPECT, WHERE APPROPRIATE.

E. PROCESS TIMBER, STUMPS, SLASH, AND BRUSH SO AS TO PROTECT ENVIRONMENTALLY SENSITIVE AREAS AND INSTALLED CONTROL MEASURES. PROPERLY 3.04 EXCAVATION FOR BUILDING FOUNDATIONS AND UTILTIES

A. DEVISE AND INSTALL CONTROL MEASURES ADEQUATE TO HANDLE DISCHARGES AND TRAP SEDIMENT FROM FOOTING SUMP AND WELL POINT PUMPS PRIOR TO EXCAVATION. B. ARMOR SUMP PUMP DISCHARGE LOCATIONS TO PREVENT EROSION AT POINT OF

C. IF FOUNDATION EXCAVATIONS GRADE TO DAYLIGHT ON THE LOW SIDE, DEVISE AND INSTALL CONTROL MEASURES TO HANDLE SURFACE AND GROUNDWATER FLOW FROM

D. STOCKPILE EXCAVATED MATERIALS TO BAFFLE OVERLAND RUNOFF, AVOIDING THE CREATION OF LENGTHY PATHS OF CONCENTRATED RUNOFF.

E. BACKFILL UTILITY TRENCHES AS SOON AS PRACTICABLE TO PREVENT FLOODING. SLOUGHING, POTENTIAL OVERFLOW, AND REPETITIVE EARTH DISTURBANCE.

A. WHERE APPLICABLE, FOLLOW EXCAVATION AND FILL PRACTICES SHOWN ON DRAWINGS TO LOCALIZE AND MINIMIZE EROSION.

B. MONITOR SEDIMENT VOLUME IN TEMPORARY SEDIMENT BASINS AND AT DIVERSION BERMS AND CHECK DAMS. IN ALL AREAS EXCEPT THOSE THAT DO NOT PRESENT POTENTIAL PROBLEMS WITH REGARD TO FUTURE SOIL STABILITY, DRAINAGE, OR BEARING CAPACITY, REMOVE AND PROPERLY DISPOSE OF TRAPPED SEDIMENT BEFORE BRINGING SITE TO FINAL SUBGRADE.

3.06 STORMWATER MANAGEMENT SYSTEM

DISCHARGE AND AREAS DOWNSTREAM.

A. THE STORMWATER MANAGEMENT SYSTEM INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, ALL PERMANENT DETENTION / RETENTION BASINS, DISCHARGE STRUCTURES WEIRS, CULVERTS, OPEN CHANNELS, CURBS, GUTTERS, PAVED SWALES, CATCH BASINS, DRAIN MANHOLES, DRAINAGE PIPES, ROOF DRAIN MANIFOLDS, WATER QUALITY SWALES, SEPARATORS, AND SIMILAR STORMWATER RUNOFF CONVEYANCE, TREATMENT,

B. INSTALL STORMWATER MANAGEMENT SYSTEM COMPONENTS STARTING AT THE DOWNSTREAM END AND PROCEED UPSTREAM. WHERE POSSIBLE, COMPLETE INSTALLATION OF PERMANENT DETENTION / RETENTION BASINS PRIOR TO BEGINNING WORK ON UPSTREAM SYSTEM COMPONENTS.

C. INSTALL CONTROL MEASURES AT FINISHED UPSTREAM AND DOWNSTREAM PIPE ENDS AS SOON AS POSSIBLE AFTER COMPLETION OF PIPE RUN. SUCH MEASURES INCLUDE. BUT ARE NOT NECESSARILY LIMITED TO, RIPRAP, CHECK DAMS, HAY BALE / SILT FENCE BARRIERS, AND VELOCITY DISSIPATORS.

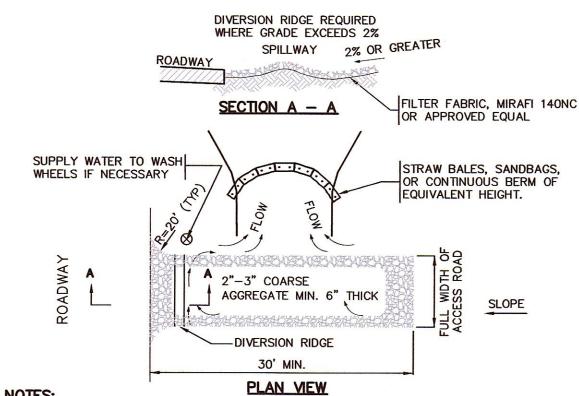
D. AT THE END OF EACH DAY OR WHEN RAINFALL IS EXPECTED, PLUG UPSTREAM END OF PIPES / DAM OPEN CHANNELS OR OTHERWISE REDIRECT POTENTIAL RUNOFF AND PREVENT FLOW FROM ENTERING PARTIALLY COMPLETED SYSTEM / SYSTEM

WHERE PORTIONS OF A NEW SYSTEM ARE TO BE ACTIVATED PRIOR TO COMPLETION OF THE ENTIRE SYSTEM, EMPLOY CONTROL MEASURES TO PREVENT SILT AND DEBRIS FROM ENTERING THE SYSTEM. EMPLOY SILT SACKS OR FABRIC ON CATCH BASIN INLETS, AND PIPE AND CULVERT OPENINGS. EMPLOY CHECK DAMS AND TEMPORARY SEDIMENT BASINS UPSTREAM OF AND ALONG OPEN CHANNELS, SWALES, AND DITCHES TO TRAP SEDIMENT UPGRADIENT OF ENVIRONMENTALLY SENSITIVE AREAS.

F. REMOVE TRAPPED SEDIMENT AND DEBRIS FROM ALL SYSTEM COMPONENTS AFTER COMPLETION OF INSTALLATION, AND AGAIN AFTER THE ENTIRE SITE IS PERMANENTLY STABILIZED BY ESTABLISHED VEGETATION, FINISH LANDSCAPE MATERIALS, PAVED SURFACES, AND/OR ROOF AREA. REMOVE TRAPPED SEDIMENT AND DEBRIS FROM DETENTION / RETENTION BASIN BOTTOMS SO THAT FINISH BOTTOM MATERIALS / INFILTRATION FUNCTION CONFORM TO DESIGN.

A. COMPLETE LANDSCAPING AS SOON AS POSSIBLE AFTER COMPLETION OF FINAL

B. IMMEDIATELY AFTER PLACEMENT OF TOPSOIL, STABILIZE WITH CONTROL MEASURES INCLUDING, BUT NOT NECESSARILY LIMITED TO, SEED MIX, MULCH, AND / OR BLANKET.



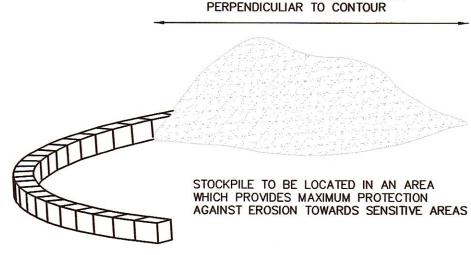
[1] THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. [2] WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

[3] WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. [4] USE SANDBAGS, HAY BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.

LONG AXIS OF STOCKPILE TO BE

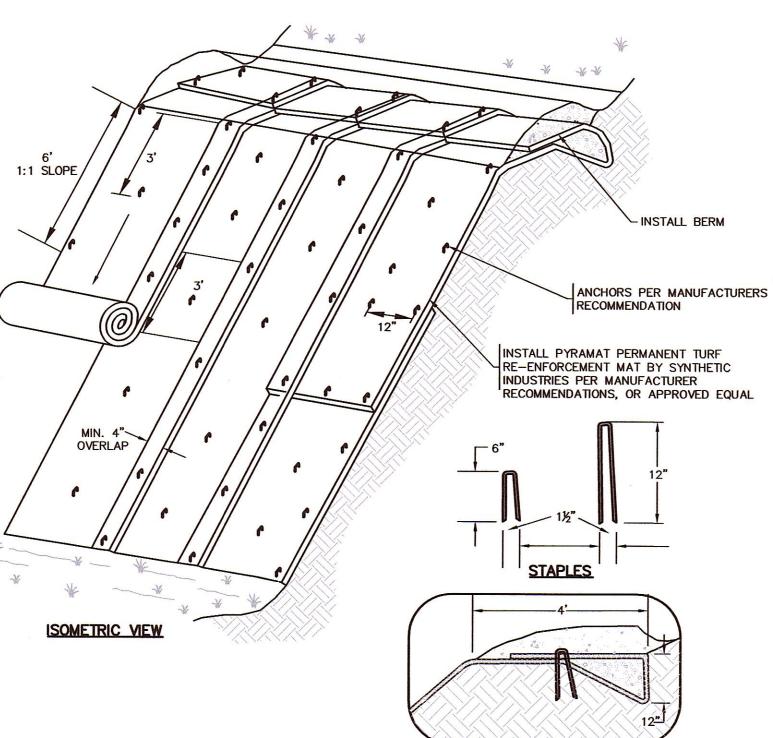
CONSTRUCTION ENTRANCE

NOT TO SCALE

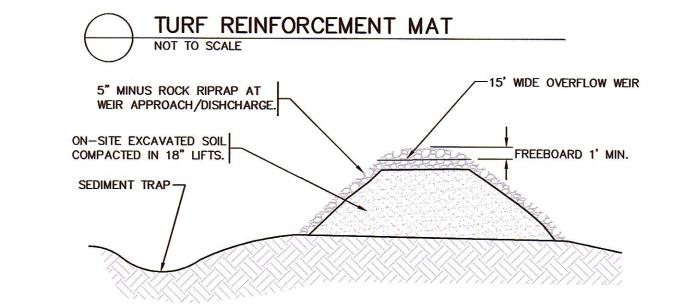


CONTINUOUS STAKED STRAW BALE DIKE PLACED DOWNGRADIENT OF STOCKPILE

TEMPORARY STOCKPILE NOT TO SCALE



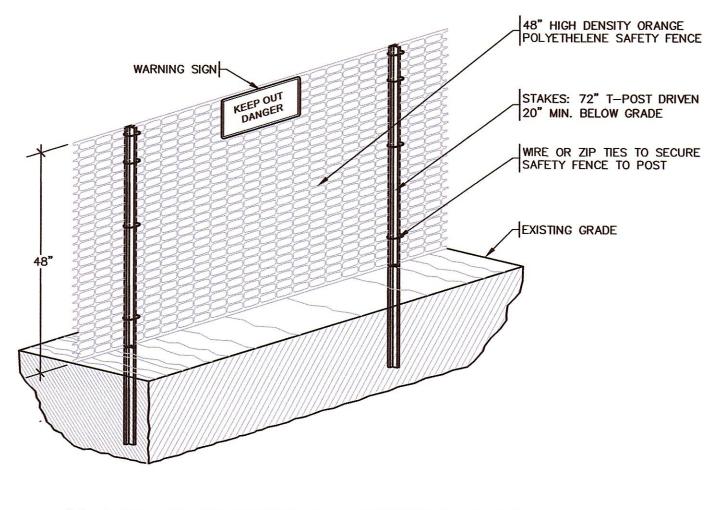
[1] SLOPE SURFACE SHALL BE FREE OF ROCK, CLODS, STICKS AND GRASS, MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT [2] APPLY PERMANENT SEEDING PER MHD M6.03.1 EROSION SEED PRIOR TO PLACING MATS. [3] LAY MATS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL DO NOT STRETCH [4] MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE [5] TAMP SOIL OVER MAT/BLANKET



TEMPORARY SEDIMENT BASIN

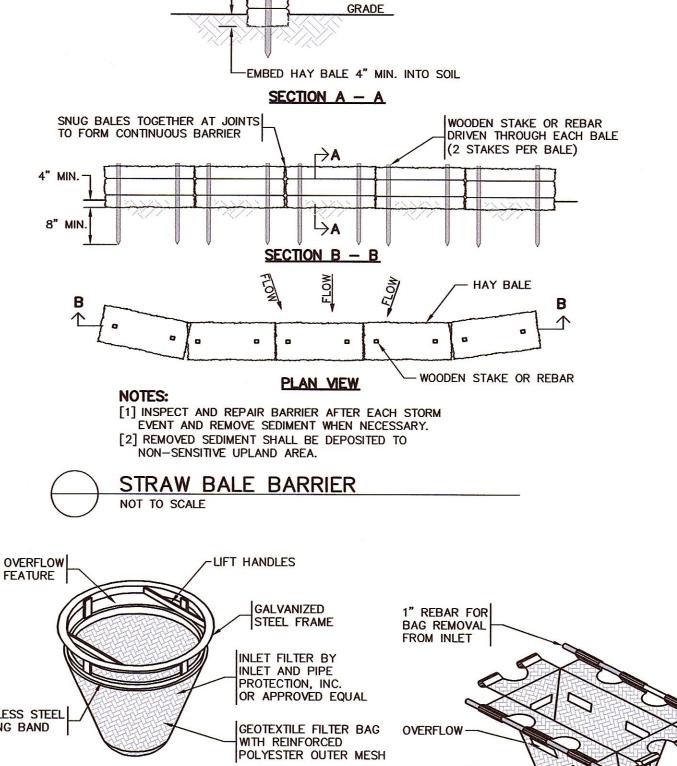
YPICAL CROSS SECTION

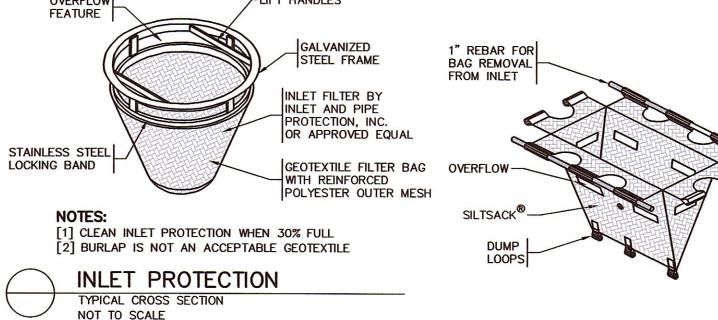
NOT TO SCALE

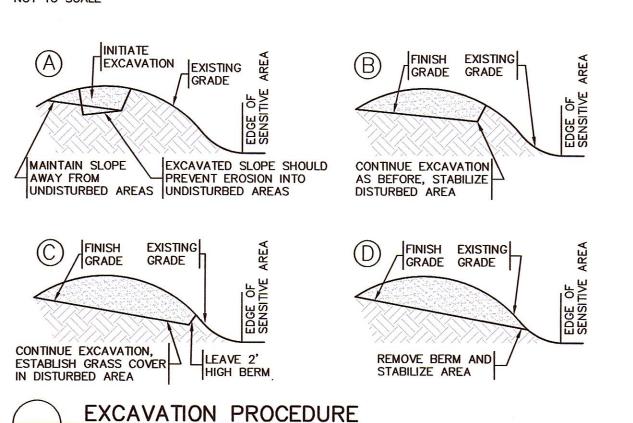


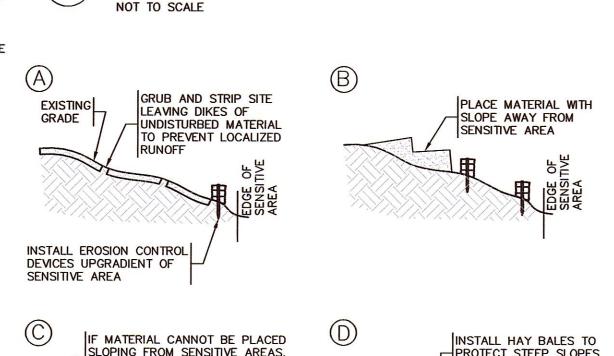
[1] ALL ACTIVE CONSTRUCTION AREAS SHALL BE PROTECTED AS PER PLAN.] SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS. THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE [4] "DANGER KEEP OUT" SIGNS TO BE SPACED AT 100 FT INTERVALS.



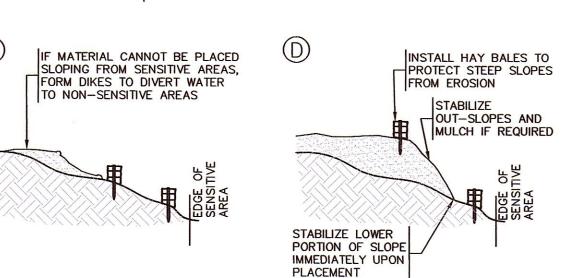




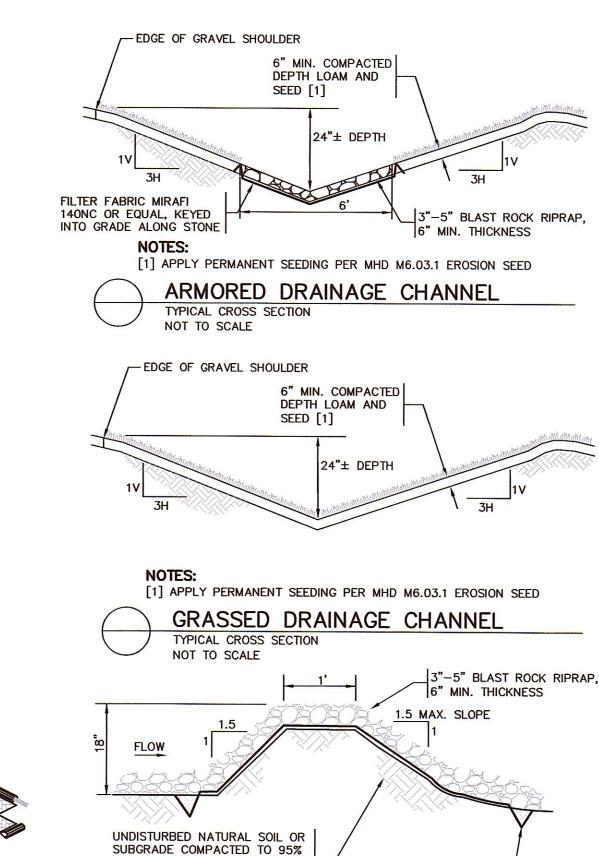


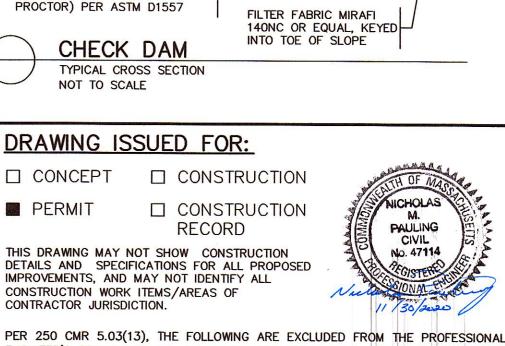


TYPICAL CROSS SECTION









ENGINEER'S RESPONSIBILITY: ALL BOUNDARY INFORMATION; LOCATION OF EXISTING STRUCTURES, TREES, UTILITIES, TOPOGRAPHY OR SIMILAR FEATURES; DESIGN OF RETAINING WALLS, PROPRIETARY EQUIPMENT. SEE GENERAL NOTE #19.

2 11/30/20 NO CHANGES ON THIS SHEET 7/14/20 LT/KFB KFB DRIVEWAY/DRAINAGE COMMENTS DATE REVISION DESCRIPTION

MAXIMUM DRY DENSITY (MODIFIED)

Engineering Solutions for Land & Structures

GOLDSMITH, PREST & RINGWALL, INC. 39 MAIN STREET, SUITE 301. AYER, MA 01432 CIVIL ENGINEERING . LAND SURVEYING . LAND PLANNING VOICE: 978.772.1590 FAX: 978.772.1591 www.gpr-inc.com

RESIDENTIAL SUBDIVISION DEFINITIVE PLAN

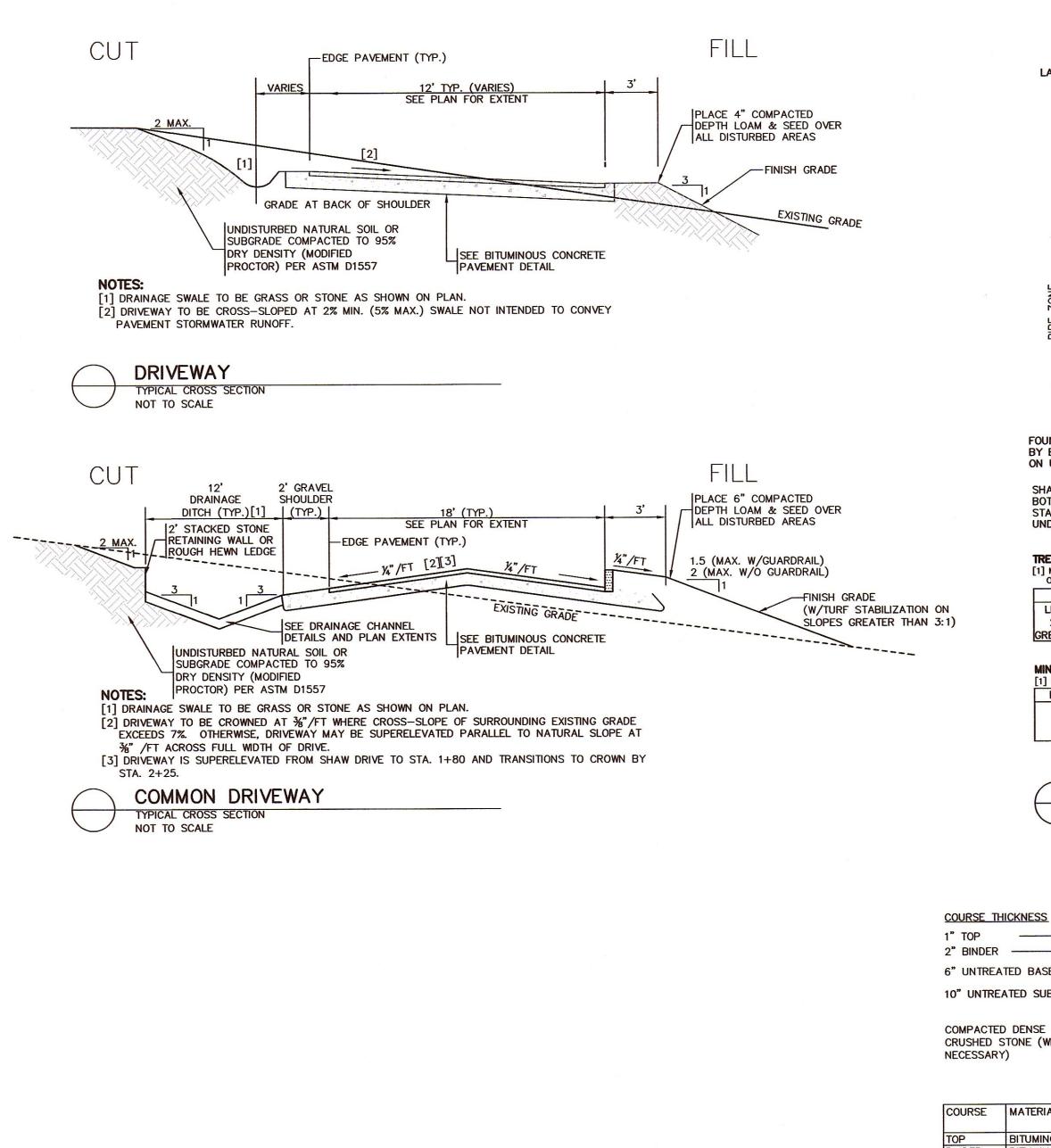
EROSION AND SEDIMENT CONTROL PLAN

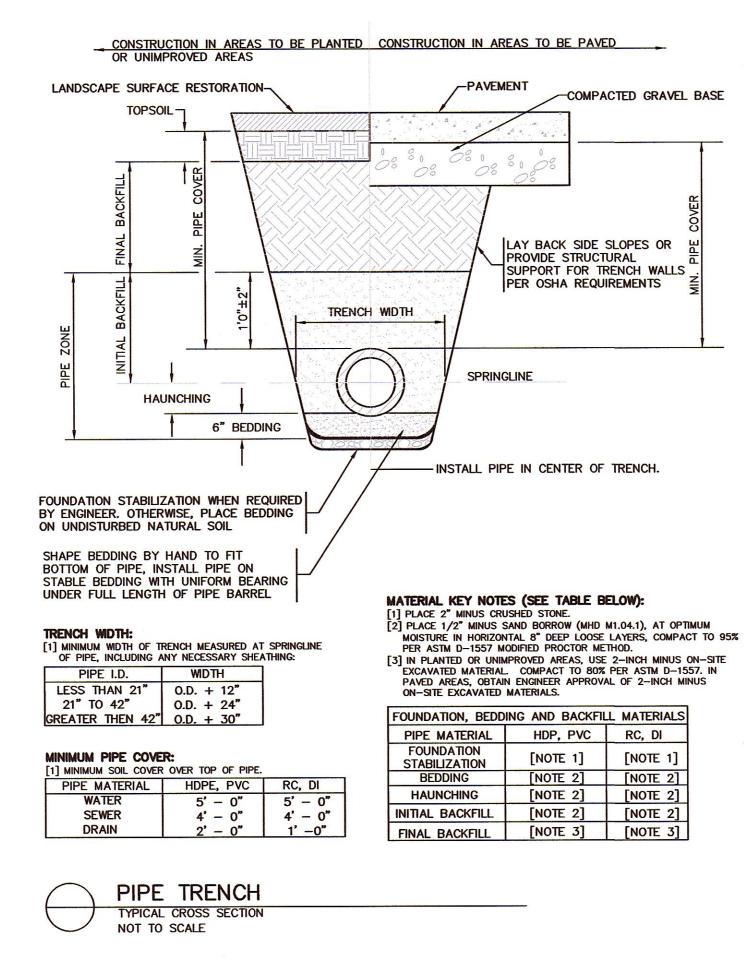
FIVE PATHS ASSESSORS MAP#39 PARCEL 15A WAYLAND, MA

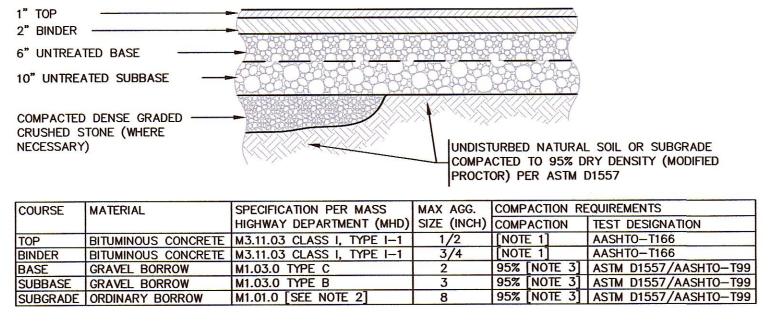
RECORD OWNER & APPLICANT: ROSS C. WILKINSON, PERSONAL REPRESENTATIVE, ESTATE OF PAULA D. WILKINSON PO BOX 98 WILTON, NH 03086

DES. BY: MPB JULY 2019 CHK. BY: KFB

JOB 171053





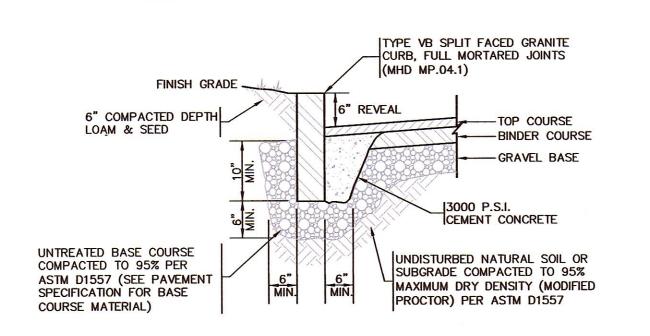


[1] COMPACT TO TEST AVERAGE OF 95%; TEST SHALL NOT BE LOWER THAN 93%. 2 UNSUITABLE MATERIAL IN THE SUBGRADE SHALL BE REMOVED AND REPLACED WITH AN ACCEPTABLE SUBSTITUTE MATERIAL: 3/4" MINUS DENSE GRADED CRUSHED STONE. [3] MATERIAL SHALL BE SPREAD AND COMPACTED IN LAYERS NOT EXCEEDING 8-INCHES IN DEPTH, COMPACTED

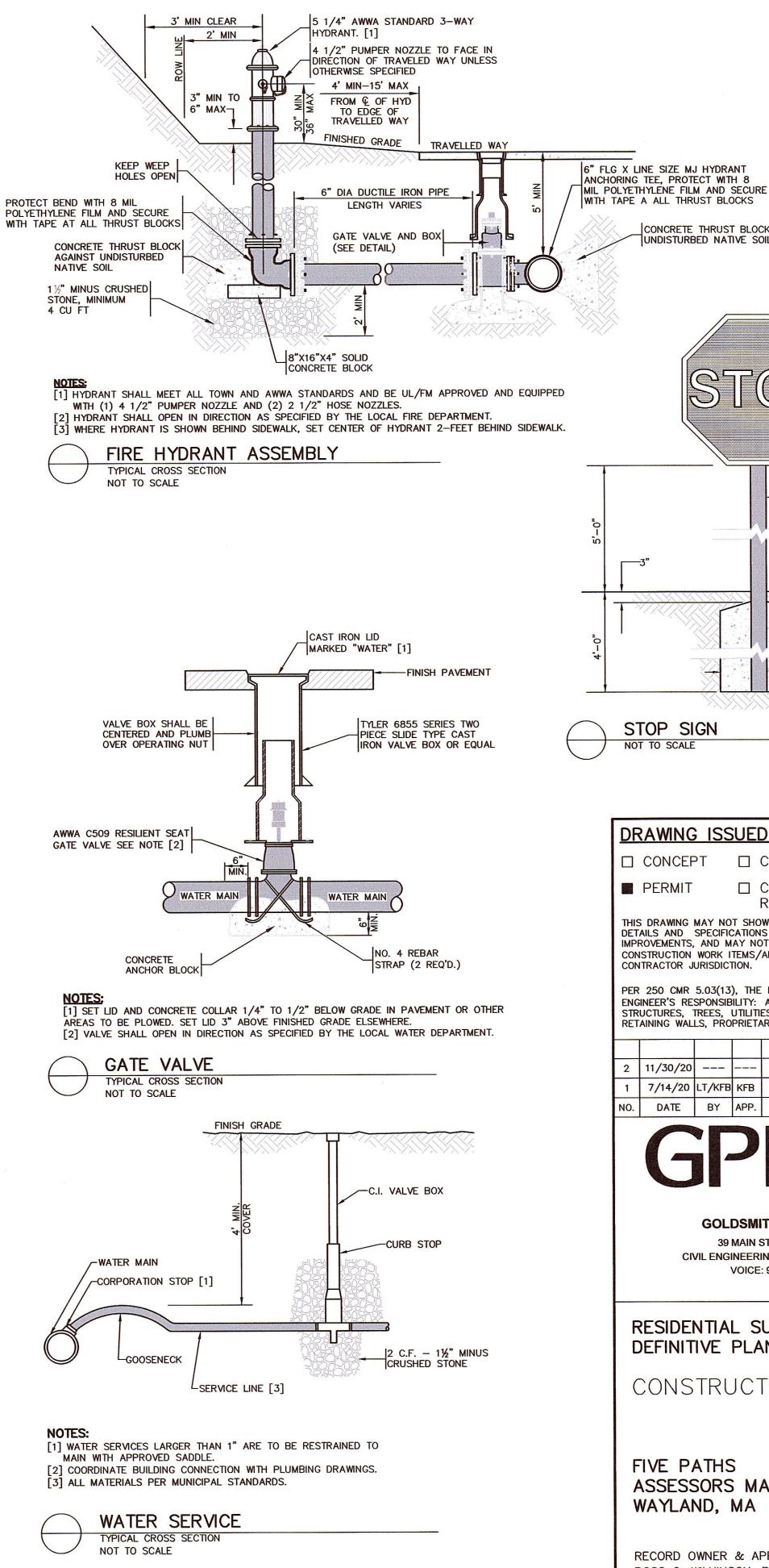
MEASUREMENT; LAST LAYER OF MATERIAL SHALL NOT EXCEED 4-INCHES IN DEPTH, COMPACTED MEASUREMENT.



NOT TO SCALE









R1-1, 30"X30"

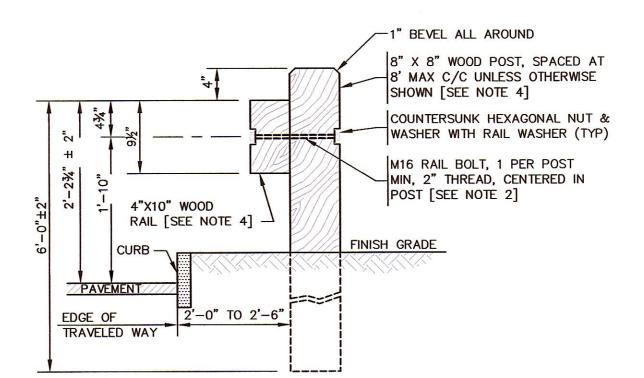
NPS 2-1/2 STANDARD WEIGHT

PER MUTCD

GALVANIZED STEEL PIPE

CONCRETE THRUST BLOCK AGAINST

UNDISTURBED NATIVE SOIL



1] ALL NUTS, BOLTS & WASHERS ARE TO BE HIGH STRENGTH GALVANIZED STEEL. ALL SPLICES ARE TO BE MADE AT POST; FOUR (4) BOLTS EACH SPLICE. 3] BACK-UP PLATE IS TO BE PLACED BEHIND RAIL ELEMENTS AT NON SPLICE

LOCATIONS (INTERMEDIATE POSTS). [4] WOOD AND WOOD TREATMENT SHALL COMPLY WITH MASSACHUSETTS HIGHWAY DEPARTMENT SPECIFICATIONS AND STANDARDS. [5] TERMINAL SECTIONS SHALL BE IN ACCORDANCE WITH MASSACHUSETTS HIGHWAY

WOOD GUARDRAIL TYPICAL CROSS SECTION NOT TO SCALE

DEPARTMENT SPECIFICATIONS AND STANDARDS.

DATE: JULY 2019 | JOB 171053 CHK. BY: KFB

