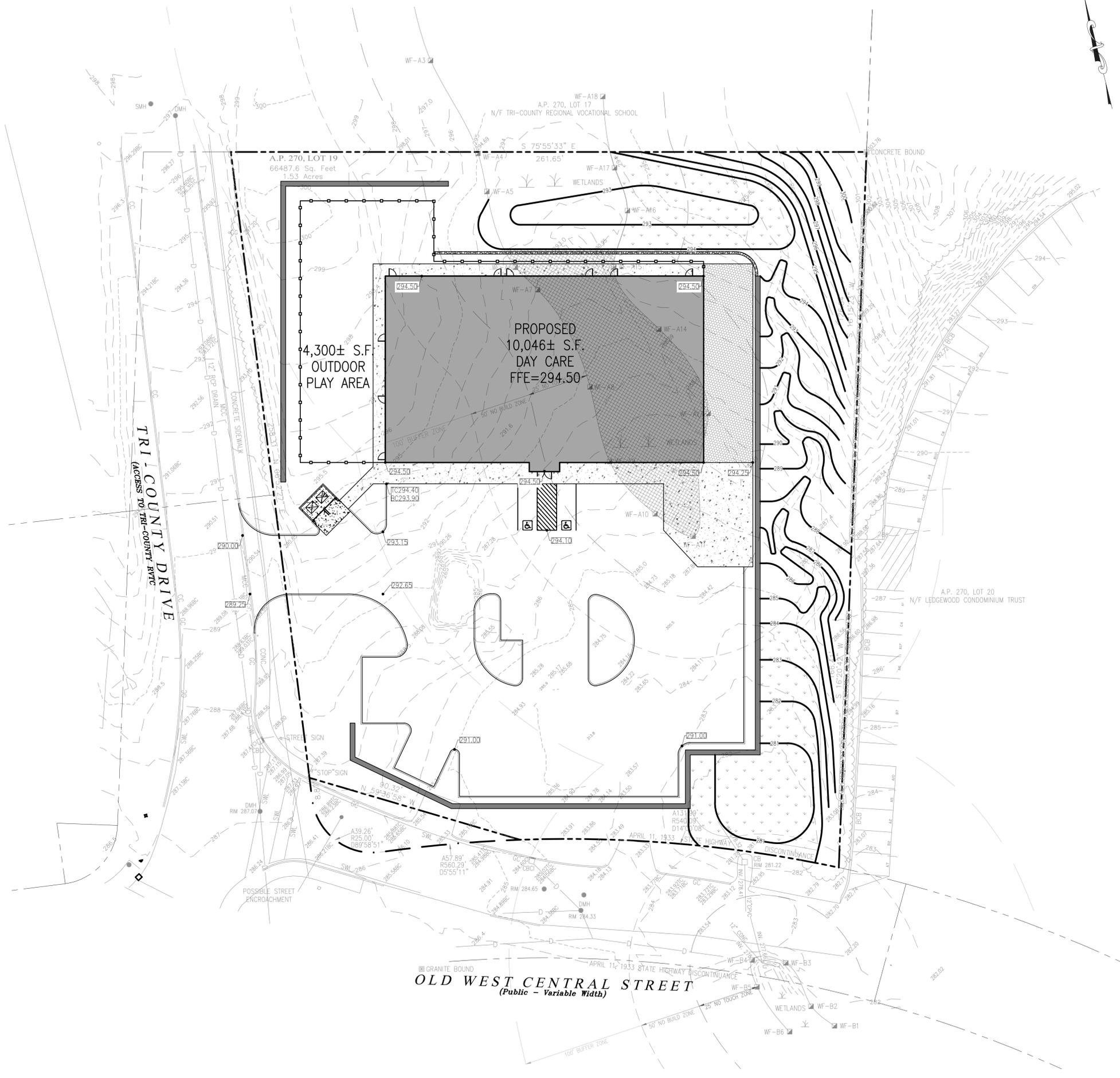


GRADING & DRAINAGE NOTES

- THE ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON THE DATUM REFERENCE ON THE EXISTING CONDITIONS PLAN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND ELEVATION BENCHMARKS THROUGHOUT CONSTRUCTION.
- EXTERIOR ELEVATIONS ALONG EACH BUILDING SIDE MAY VARY IN ORDER TO ACHIEVE GRADE IN CERTAIN AREAS. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM THE PROPOSED BUILDING.
- NEW SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0% AND A MAXIMUM RUNNING SLOPE OF 5.0% UNLESS AN ADA COMPLIANT RAMP IS PROVIDED. RAMP SHALL NOT EXCEED AN 8.0% RUNNING SLOPE AND SHALL NOT EXCEED A 6" RISE UNLESS A HANDRAIL IS PROVIDED. FURTHERMORE, ACCESSIBLE PARKING SPACES AND PROXIMATE ACCESS AISLES SHALL BE SLOPED AT A MAXIMUM OF 2.0% IN ALL DIRECTIONS. SHOULD ANY DISCREPANCIES WITH THESE REQUIREMENTS ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED.
- CONTRACTOR SHALL NOTIFY ENGINEER IF THE ILLUSTRATED GRADES CANNOT BE ACHIEVED WITHIN ACCESSIBLE AREAS, INCLUDING PARKING SPACES, ROUTES AND RAMP.
- UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF THE CONSTRUCTION.
- CURB SHALL TRANSITION FROM FLUSH TO FULL DEPTH REVEAL WITHIN 6 FEET.
- PROPOSED BOTTOM OF CURB ELEVATIONS ALONG EXISTING STREETS ARE BASED ON EXISTING CONDITIONS INFORMATION AND SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL MATCH EXISTING EDGE OF PAVEMENT GRADE.
- EXISTING DRAINAGE AND UTILITY RIM ELEVATIONS LOCATED WITHIN THE LIMIT OF WORK TO REMAIN SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH NEW FINISHED GRADE.
- ALL FLAT WORK WITHIN THE RIGHT OF WAY SHALL CONFORM TO MUNICIPAL/STATE STANDARDS.
- EXISTING TREES OUTSIDE OF THE LIMIT OF WORK SHALL BE PROTECTED DURING CONSTRUCTION.
- ALL DISTURBED AREAS OUTSIDE THE LIMIT OF WORK SHALL BE RESTORED IN KIND.
- NEW DRAINAGE PIPE SHALL BE DUAL WALL CORRUGATED HDPE (ADS N-12 OR APPROVED EQUAL), UNLESS OTHERWISE SPECIFIED.
- ROOF DRAIN LEADERS SHALL BE 6" HDPE PIPE, UNLESS OTHERWISE SPECIFIED.
- ELEVATION OF LANDSCAPED AREAS ARE GIVEN AT PLANTED/SOD GRADE.
- THE AREA BELOW THE SUBSURFACE INFILTRATION SYSTEM SHALL BE LEFT UNCOMPACTED.
- ANY DISTURBED AREAS THAT WILL NOT BE STABILIZED BY PAVEMENT OR BUILDING BASE COURSES SHALL BE SODDED OR SEEDED & MULCHED. MULCHING SHALL BE USED TO STABILIZE DISTURBED AREAS.
- ALL BACK FILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER. BACK FILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, CONSTRUCTION MATERIALS, OR OTHER OBJECTIONABLE MATERIAL. BACK FILL MATERIALS SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND THE MATERIAL SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER TAMPING BLOWS OR PROOF ROLLING. ALL BACK FILL MATERIAL SHALL BE PLACED IN LOOSE 6-IN. LIFTS AND COMPACTED BY MECHANICAL MEANS, AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
- ALL BUILDINGS, SIDEWALK, AND PAVEMENT SUB-GRADES SHALL BE COMPACTED TO 98% OF ASTM D698 TO A DEPTH OF 12-IN. AND TO 95% OF ASTM D698 BELOW 12-IN DEPTHS. ALL OTHER NON-STRUCTURAL AREAS SHALL BE COMPACTED TO 90% OF ASTM D698.



GENERAL ABBREVIATIONS

A.P.	ASSESSOR'S PARCEL
BC	BOTTOM OF CURB
BCC	BITUMINOUS CONCRETE CURB
BIT.	BITUMINOUS CONCRETE
CONC	CONCRETE
BW	BOTTOM OF WALL
CB	CATCH BASIN
C.L.F.	CHAIN LINK FENCE
DCO	DRAINAGE CLEANOUT
CONC SURF	CONCRETE SURFACE
DH (F)	DRILL HOLE FOUND
DMH	DRAIN MANHOLE
DWFG	DOUBLE WALL FIBER GLASS
DWL	DASHED WHITE LINE
DYCL	DOUBLE YELLOW CENTERLINE
EOP	EDGE OF PAVEMENT
ECC	EXTRUDED CONCRETE CURB
EHH	ELECTRIC HANDHOLE
FF=	FINISHED FLOOR ELEVATION
FY	FRONT YARD
GC	VERTICAL GRANITE CURB
GM	GAS METER
HDPE	HIGH DENSITY POLYETHYLENE PIPE
I=	INVERT ELEVATION
LA	LANDSCAPED AREA
MCC	MONOLITHIC CONCRETE CURB
ME	MATCH EXISTING
N/A	INVERT NOT AVAILABLE
N/F	NOW OR FORMERLY
OC	ON CENTER
R=	RIM ELEVATION
RD	ROOF DRAIN
RE	REMOVE
RY	REAR YARD
SFM	SEWER FORCE MAIN
SWEL	SOLID WHITE EDGE LINE
SWL	SOLID WHITE LINE
SY	SIDE YARD
TC	TOP OF CURB
TW	TOP OF WALL
UP	UTILITY POLE
VC	VITRIFIED CLAY
WG	WATER GATE
WSO	WATER SHUT-OFF

LEGEND

EXISTING	PROPOSED	DESCRIPTION
⊙	⊙	PROPERTY LINE
⊕	⊕	DRAIN MANHOLE
⊖	⊖	CATCH BASIN
D	D	DRAIN PIPE
215	215	INDEX CONTOUR
214	214	MINOR CONTOUR
214.450 214.980	214.980 214.980	TOP/BOTTOM CURB ELEVATION
x214.5	214.5	SPOT ELEVATION
⊕	⊕	ACCESSIBLE PAVEMENT MARKINGS
—	—	RAMP UPSLOPE DIRECTION
⊙	⊙	LIGHT
⊙	⊙	UTILITY POLE
⊕	⊕	CONCRETE SIDEWALK/PAD
⊕	⊕	BIT. CONC. SIDEWALK
⊕	⊕	IRON PIPE/IRON PIN

NOT FOR CONSTRUCTION

CDG PROJECT #: 25XXX

REVISIONS:

REV	DATE	COMMENT
1		
2		
3		
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SEAL:

DRAFT

PHILIP R. HENRY, P.E.

PLANNING BOARD:

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PROJECT:

PROPOSED DAY CARE DEVELOPMENT

603 OLD WEST CENTRAL STREET
FRANKLIN, MA 02038

SCALE:

20 0 10 20 40

GRAPHIC SCALE IN FEET

SHEET:

CONCEPTUAL GRADING & DRAINAGE PLAN

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DATE: 01/29/2025