SITE PLAN SUBMISSION FOR WEST END

ASSESSOR'S MAP 33, PARCELS 398 and 399
ZONING DISTRICT: CBD
CENTRAL BUSINESS DISTRICT
130 WEST STREET and 25 SPRING STREET
WALPOLE, MASSACHUSETTS 02081



OWNER

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

ENGINEERS



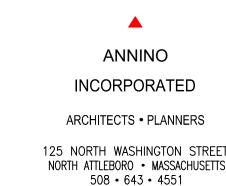
Crossman Engineering

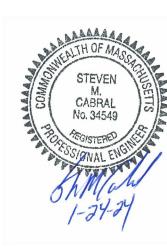
Rhode Island 151 Centerville Road Warwick, RI 02886 Phone (401) 738-5660

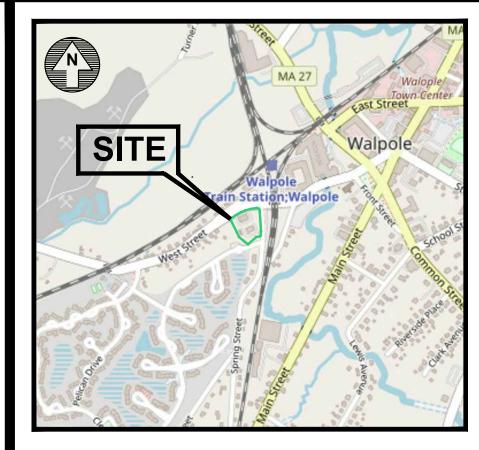
1) 738-5660 Phone (508) 695-1700 Email: cei@crossmaneng.com

DECEMBER 2023 SHEET 1 of 21

ARCHITECT







LOCATION MAP
SCALE: 1"=200'

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REVISIONS

No.	DESCRIPTION	DATE
-	-	

APPROVED BY THE PLANNING BOARD
TOWN OF WALPOLE

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TOWN OF WALPOLE PLANNING BOARD

THESE PLANS ARE FILED FOR A SITE PLAN REVIEW UNDER SECTION 13 OF THE TOWN OF WALPOLE ZONING BYLAW

GENERAL NOTES

- 1. ALL EXISTING UTILITIES HAVE BEEN PLOTTED BASED UPON BEST AVAILABLE INFORMATION AND REPRESENT APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH "DIG SAFE PROGRAM LAW" ENACTED BY THE MASSACHUSETTS LEGISLATURE AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY MUNICIPALITY, STATE OR FEDERAL AGENCY THAT MAY APPLY. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. A MINIMUM ADVANCE NOTICE OF 72 HOURS IS REQUIRED PRIOR TO START OF CONSTRUCTION.
- 2. IN ADDITION TO THE CONTRACT DOCUMENTS, SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE THE TOWN OF WALPOLE TYPICAL WATER MAIN, SEWERAGE, ROADWAY & DRAINAGE CONSTRUCTION DETAILS LAST REVISED 03/28/19. THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE COMMONWEALTH OF MASSACHUSETTS, HIGHWAY DEPARTMENT (DEPARTMENT OF TRANSPORTATION) STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, BOSTON MASSACHUSETTS, INCLUDING LATEST REVISIONS AND SUPPLEMENTAL SPECIFICATIONS WHEN THE TOWN CONSTRUCTION DETAILS DO NOT ADDRESS A STANDARD.
- 3. THE CONTRACTOR MUST VERIFY PRIOR TO CONSTRUCTION THAT ALL REQUIRED AUTHORIZATION TO PERFORM WORK HAS BEEN OBTAINED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION OPERATIONS INCLUDING ALL ACTIONS OR OMISSIONS OF ANY SUBCONTRACTORS, AGENTS OR EMPLOYEES. THE CONTRACTOR MUST ENSURE THAT THE CONDITIONS OF ALL PERMITS, SPECIFICATIONS AND FEDERAL, STATE AND LOCAL REGULATIONS ARE STRICTLY ENFORCED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ASPECTS OF ON-SITE SAFETY INCLUDING ANY DAMAGE TO EXISTING
- 4. WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR DETAILS, SPECIFICATIONS OR PAYMENT ITEM DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS NECESSARY TO COMPLETE THE PROJECT. ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND MUST BE ACCEPTABLE TO THE ENGINEER.
- 5. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY WORK.
- 6. ALL DISTURBED AREAS SHALL BE REPLACED IN KIND UNLESS OTHERWISE SHOWN OR OTHERWISE INSTRUCTED IN WRITING BY THE OWNER.
- 7. CONTRACTOR SHALL EXCAVATE TEST PITS TO CONFIRM UTILITY LOCATIONS/ELEVATIONS AT POTENTIAL CONFLICT POINTS (UTILITY/DRAIN CROSSINGS).
- 8. THE CONTRACTOR SHALL USE CARE WHEN WORKING NEAR UTILITY POLES AND WIRING SO AS TO NOT DISTURB ELECTRICAL/TELEPHONE/CABLE SERVICE TO THE CUSTOMERS. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN
- 9. THE CONTRACTOR SHALL, AT NO ADDITIONAL EXPENSE, BRACE UTILITY POLES IF REQUIRED, AND REPAIR ANY DAMAGE TO EXISTING UTILITIES, SIDEWALKS, GUARDRAILS, CURBS, PAVING, SHRUBS, TREES, STONE WALLS, LAWNS, ETC.
- 10. CHANGE ORDERS MAY ONLY BE APPROVED FOR PAYMENT BY THE OWNER.

THESE SERVICES AT ALL TIMES.

- 11. ALL OPEN EXCAVATIONS SHALL BE ADEQUATELY SAFEGUARDED BY PROVIDING TEMPORARY BARRICADES, CAUTION SIGNS, LIGHTS AND OTHER MEANS TO PREVENT ACCIDENTS TO PERSONS AND DAMAGE TO PROPERTY. THE CONTRACTOR SHALL AT NO ADDITIONAL EXPENSE TO THE OWNER, PROVIDE SUITABLE AND SAFE CONDITIONS AT ALL AREAS OF THE WORK SITE AND SHALL PROVIDE SAFE VEHICULAR AND PEDESTRIAN ACCESS AROUND ALL WORK AREAS.
- 12. WATER GENERATED AS A RESULT OF TRENCH DEWATERING SHALL BE DISCHARGED TO EXISTING DRAINAGE STRUCTURES. CONTRACTOR SHALL PROVIDE, AT NO ADDITIONAL EXPENSE, ADEQUATE EROSION CONTROL, FRAC TANKS OR SEDIMENTATION CONTROLS SUBJECT TO THE APPROVAL OF THE CONSERVATION COMMISSION.
- 13. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS AND STANDARD SPECIFICATIONS OF THE TOWN OF WALPOLE DEPARTMENT OF PUBLIC WORKS. ALL EXCAVATION, BACKFILL AND RESTORATION WORK SHALL MEET THE TOWN'S SPECIFICATIONS.
- 14. THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEM FOUND WHICH DOES NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.
- 15. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO REMOVAL AND/OR INSTALLATION OF UTILITIES ON SITE. THE COORDINATION IS NECESSARY FOR THE ENGINEER TO SCHEDULE SITE INSPECTIONS. INSTALLATIONS PERFORMED WITHOUT INSPECTIONS BY THE ENGINEER MAY WARRANT COMPLETE REMOVAL AND REINSTALLATION AT THE CONTRACTOR'S SOLE EXPENSE.
- 16. THE CONTRACTOR IS REQUIRED TO MAINTAIN DETAILED AS-BUILT INFORMATION FOR ALL UTILITY INSTALLATIONS. AS-BUILT INFORMATION MUST INCLUDE MATERIAL LIST, PIPE DEPTH AND SWING TIE LOCATIONS (2 MINIMUM) FROM NEW PIPE TO BUILDING CORNERS. ALL PIPE BEND/ELBOW LOCATIONS SHALL BE DIMENSIONED. FINAL PAYMENT WILL NOT BE MADE UNTIL SUITABLE AS-BUILT DATA IS PROVIDED.
- 17. AS-BUILT AUTOCAD FILES AND HARD COPY PLANS SHALL BE PROVIDED UPON COMPLETION OF WORK, CONTRACTOR IS RESPONSIBLE FOR THIS INFORMATION. FINAL PAYMENT TO CONTRACTOR SHALL NOT BE PROVIDED UNTIL ACCEPTABLE AUTOCAD FILES OF THE AS-BUILTS ARE SUBMITTED AND APPROVED BY THE TOWN.

STANDARD NOTES

- 1. ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CULVERTS, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 2. THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD.
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED BY THE CONTRACTOR.
- 4. ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT
- 5. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, LOAM AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE ENGINEER.
- 6. CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- 8. NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO EXISTING DRAINAGE STRUCTURES HAS BEEN REESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; IT SHALL BE CONSIDERED INCIDENTAL TO PAVING OPERATIONS.
- 10. ALL EMBANKMENTS AND TRENCH BACKFILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED.

FLOOD ZONE NOTE

THE PROPOSED WORK AREA IS LOCATED WITHIN FLOOD ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD. FLOOD ZONE INFORMATION IS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR NORFOLK COUNTRY, MASSACHUSETTS (ALL JURISDICTIONS), PANEL 169 OF 430, MAP NUMBER 25021C0343F169E, MAP REVISED JULY 17, 2012.

SNOW REMOVAL NOTES

- 1. DUE TO LIMITED SPACE FOR SNOW REMOVAL STOCKPILING, OFF—SITE SNOW REMOVAL WILL BE NECESSARY DURING SNOW EVENTS.
- 2. NO SNOW STOCKPILING IS ALLOWED WITHIN 20' OF AN INTERSECTION.

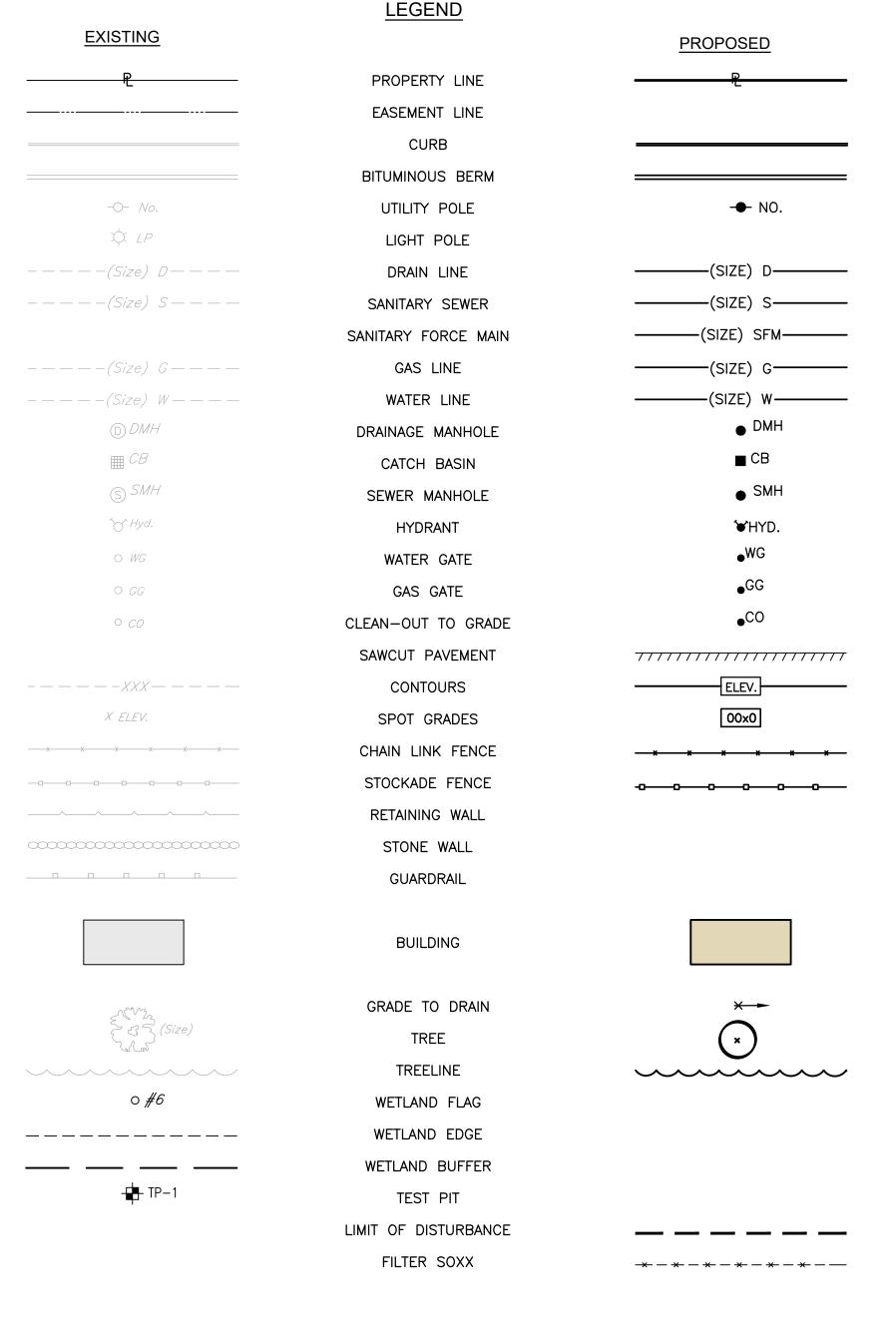
UTILITY NOTES

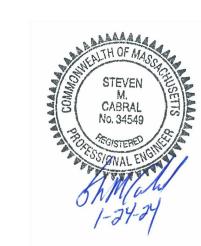
1. PRIOR TO ANY UTILITY CONSTRUCTION, THE CONTRACTOR MUST PERFORM ADDITIONAL TESTS TO:

- A. CONFIRM THE EXISTING DEPTHS OF UTILITIES AT ALL PROPOSED CONNECTION POINTS AND POTENTIAL CROSSOVER (CONFLICT) POINTS.
- B. CONFIRM THE EXTENT OF LEDGE WHICH MAY EXIST IN ALL ANTICIPATED UTILITY TRENCH AREAS. PRIOR TO CONSTRUCTION, THE FINDINGS ARE TO BE REVIEWED BY THE OWNER AND THE ENGINEER. IF NECESSARY, ALTERNATIVES TO MINIMIZE LEDGE REMOVAL AND UTILITY CONFLICTS WILL BE DEVELOPED. NO CONSTRUCTION WILL BE ALLOWED WITHOUT THE OWNER'S AUTHORIZATION.
- C .THE CONTRACTOR SHALL DIG TEST HOLES TO VERIFY THE ELEVATIONS AND PIPE MATERIAL OF THE EXISTING WATER, GAS AND SANITARY SERVICES AT THE PROPOSED TIE-IN LOCATION.
- 2. ANY MODIFICATIONS TO THE PROPOSED UTILITIES TO AVOID CONFLICTS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. NO EXTRA PAYMENT TO THE CONTRACTOR DUE TO RELOCATIONS WILL BE AUTHORIZED.
- 3. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO TIE-IN.
- 4. THIS UTILITY PLAN DOES NOT REPRESENT THE SITE ELECTRICAL/TELEPHONE/COMMUNICATION SYSTEM DESIGNS AND DOES NOT REPRESENT IRRIGATION PIPING. CONTRACTOR SHALL COORDINATE WITH OWNER TO VERIFY IRRIGATION PIPING REQUIREMENTS.
- 5. THE CONTRACTOR MUST LOCATE THE EXISTING WATER MAIN TO OBTAIN THE PROPER OUTSIDE DIAMETER TO SIZE THE SLEEVE.
- 6. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL UTILITY PIPE SIZES INCLUDING WATER, SEWER AND GAS ARE VERIFIED BY THE ARCHITECT PRIOR TO ORDERING PIPE OR RELATED MATERIAL.
- 7. ALL PROPOSED PIPES AND CONDUITS SHALL BE INSTALLED TO MEET H-20 LOADING CAPACITY. ALL MATERIAL AND TRENCHING METHODS SHALL CONFORM TO H-20 LOADING CAPACITIES. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS/CATALOG CUTS FOR PROPOSED PIPE AND CONDUIT TO ENGINEER FOR APPROVAL.
- 8. CONTRACTOR IS REQUIRED TO OBTAIN A CURB CUT PERMIT, TRENCH PERMIT, AND STREET OPENING PERMIT FROM THE TOWN OF WALPOLE DPW/ENGINEERING PRIOR TO THE COMMENCEMENT OF WORK.
- 9. THE CONTRACTOR SHALL BE A LICENSED DRAIN LAYER WITH THE TOWN OF WALPOLE DPW/SEWER AND WATER DEPARTMENT.

PROPOSED PAVEMENT STRUCTURE

1-1/2" HOT MIX ASPHALT SURFACE COARSE 2-1/2" HOT MIX ASPHALT BINDER COURSE 12" GRAVEL BORROW SUBBASE





SOIL EVALUATION DATA

SOIL EVALUATIONS WERE CONDUCTED BY BRUCE HAGERMAN ON FEBRUARY 15, 2021 AND SEPTEMBER 1, 2023

TEST PIT 23-1	TEST PIT 23-2	TEST PIT 23-3	TEST PIT 23-4	TEST PIT 23-5	TEST PIT 23-6	TEST PIT 5	TEST PIT 6
0"	N/A Gravel 10YR 3/4 Gravelly, Sandy (Friable)	0"————————————————————————————————————	10YR 3/4 Ap Sandy Loam (Friable)	10YR 3/4 Ap Sandy Loam (Friable)	10YR 3/3 Ap Loamy Sand (Friable)	10YR 3/4 Ap Loamy Sand (Friable)	10YR 3/4 Ap Loamy Sand (Friable)
12"—		8" 2.5Y 5/4 C1 Coarse Sand (Loose)				2.5Y 5/4	2.5Y 5/4 C1 (Loose) 23"
2.5Y 5/4 C1	2.5Y 5/4 C1 4 Sand, Stratified (Loose)	5"			2.5Y 5/4 C1 Sand (Loose)	Fine Sand/Very Fine Sand (Loose)	
S. Stratified (Loose) W/ FS & CS 108"-		2.5Y 5/4 C2 Gravelly, (Lease)	2.5Y 5/4 C1 Sand (Loose)	2.5Y 5/4 C Sand (Loose)		2,5Y 5/4 Very Fine Sand (Loose)	
	2.5Y 5/4 C2 Coarse Sand (Loose)	Coarse Sand (Loose)			2.5Y 5/4 C2 Fine Sand (Loose)	2.5Y 5/4 C3 Sand (Loose)	2.5Y 5/4 C2 Fine Sand (Loose)
144"168"	15	9"	44"	66"	168"	20"10	00"
Soil Class: Glacial Outwash S Limiting Layer: N/A Li GW Seepage Depth: 115" G GW Standing Depth: 120" G	Estimated Ground Elev: 158.5 Goil Class: Glacial Outwash Limiting Layer: N/A GW Seepage Depth: 160" GW Standing Depth: 164" ESHWT Design Depth: 160"	Estimated Ground Elev: 159.0 Soil Class: Glacial Outwash Limiting Layer: N/A GW Seepage Depth: 144" GW Standing Depth: 147" ESHWT Design Depth: 144"	Estimated Ground Elev: 157.25 Soil Class: Glacial Outwash Limiting Layer: N/A GW Seepage Depth: 120" GW Standing Depth: 128" ESHWT Design Depth: 120"	Estimated Ground Elev: 159.5 Soil Class: Glacial Outwash Limiting Layer: N/A GW Seepage Depth: 163" GW Standing Depth: None ESHWT Design Depth: 163"	Estimated Ground Elev: 157.5 Soil Class: Glacial Outwash Limiting Layer: N/A GW Seepage Depth: None GW Standing Depth: None ESHWT Design Depth: 168"	Estimated Ground Elev: 150.6 Soil Class: Glacial Outwash Limiting Layer: N/A GW Seepage Depth: 102" GW Standing Depth: 106" ESHWT Design Depth: 86"	Estimated Ground Elev: 150.4 Soil Class: Glacial Outwash Limiting Layer: N/A GW Seepage Depth: 102" GW Standing Depth: 96" ESHWT Design Depth: 80"



Civil Transportation Environmental Site Planning Surveying Permitting Landscape Architecture

CROSSMAN ENGINEERING

151 Centerville Road Warwick, RI 02886 Phone: (401) 738-5660 103 Commonwealth Avenue North Attleboro, MA 02763 Phone: (508) 695-1700

Email: cei@crossmaneng.com

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SITE PLAN SUBMISSION

PROJECT TITLE:

WEST END

130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

ASSESSOR'S MAP 33, PARCELS 398 and 399 **ZONING DISTRICT:** CENTRAL BUSINESS DISTRICT (CBD)

APPLICANT:

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

DRAWING TITLE:

GENERAL NOTES and LEGEND

3.1.13. 2.2.3.			
DATE:	SCALE:		
DECEMBER 2023	NO SCALE		
DWG. NAME:			

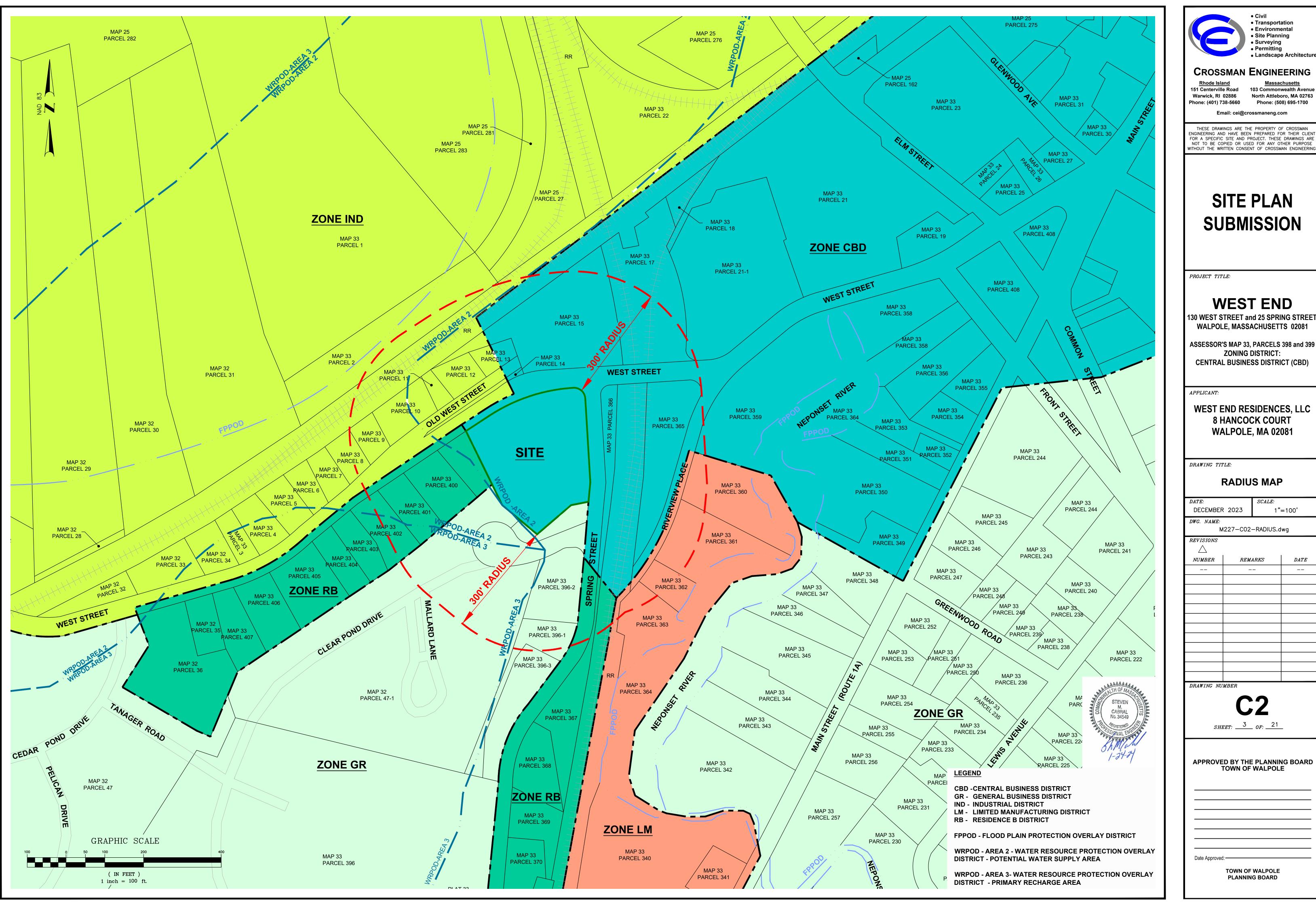
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REVISIONS		
\triangle		
NUMBER	REMARKS	DATE

SHEET: 2 OF: 21

APPROVED BY THE PLANNING BOARD TOWN OF WALPOLE

Date Approved: ——



• Environmental

North Attleboro, MA 02763 Phone: (508) 695-1700

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130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

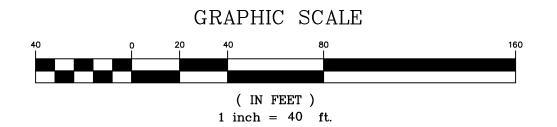
WALPOLE, MA 02081

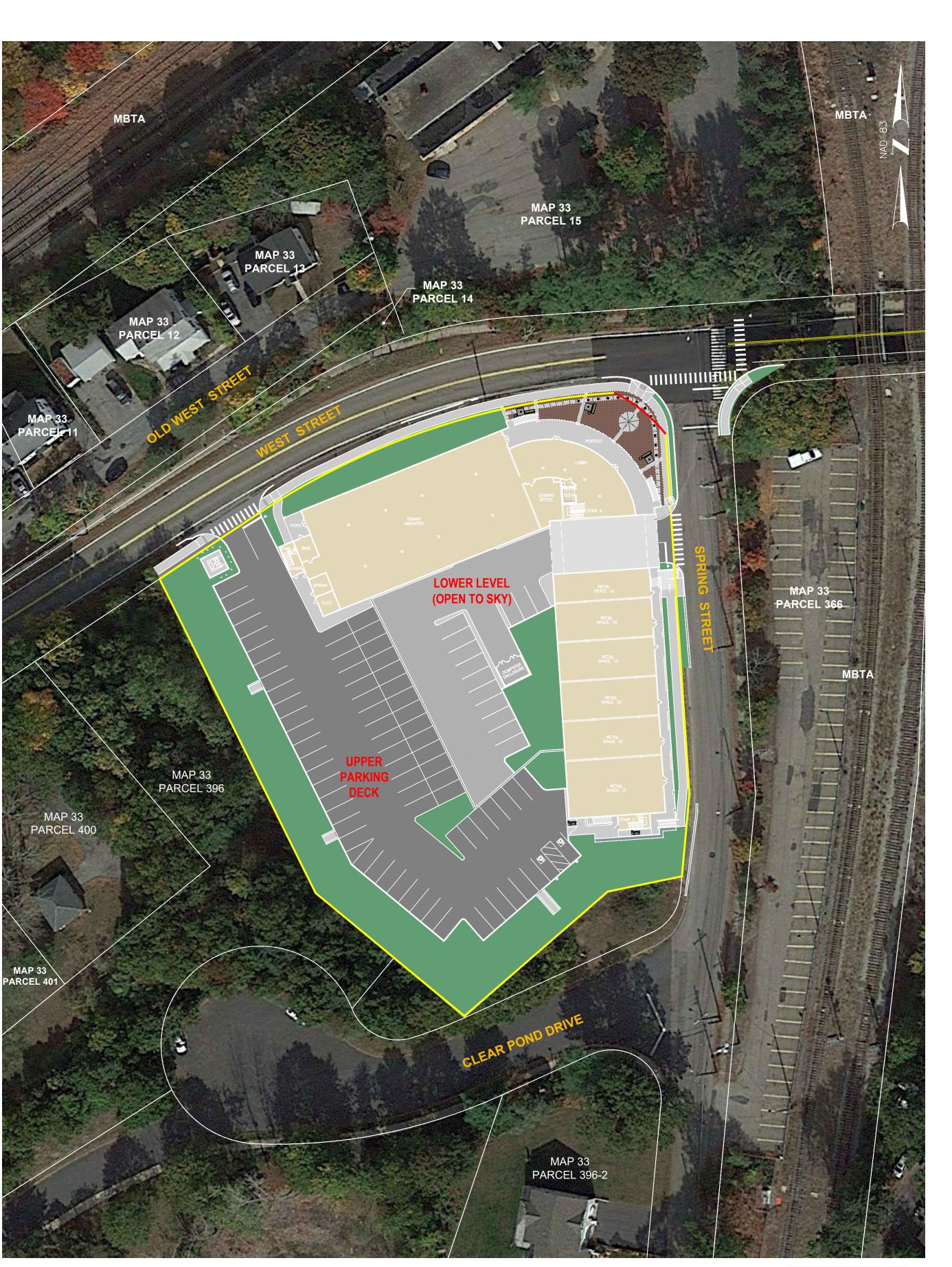
1"=100'

APPROVED BY THE PLANNING BOARD



EXISTING CONDITIONS





PROPOSED DEVELOPMENT





Civil Transportation Environmental Site Planning Surveying Permitting Landscape Architecture CROSSMAN ENGINEERING

Warwick, RI 02886 North Attleboro, MA 02763 Phone: (401) 738-5660 Phone: (508) 695-1700

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SITE PLAN SUBMISSION

PROJECT TITLE:

WEST END

130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

ASSESSOR'S MAP 33, PARCELS 398 and 399 ZONING DISTRICT:

CENTRAL BUSINESS DISTRICT (CBD)

APPLICANT:

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

DRAWING TITLE:

DECEMBER 2023

AERIAL MAP

SCALE:

1"=40'

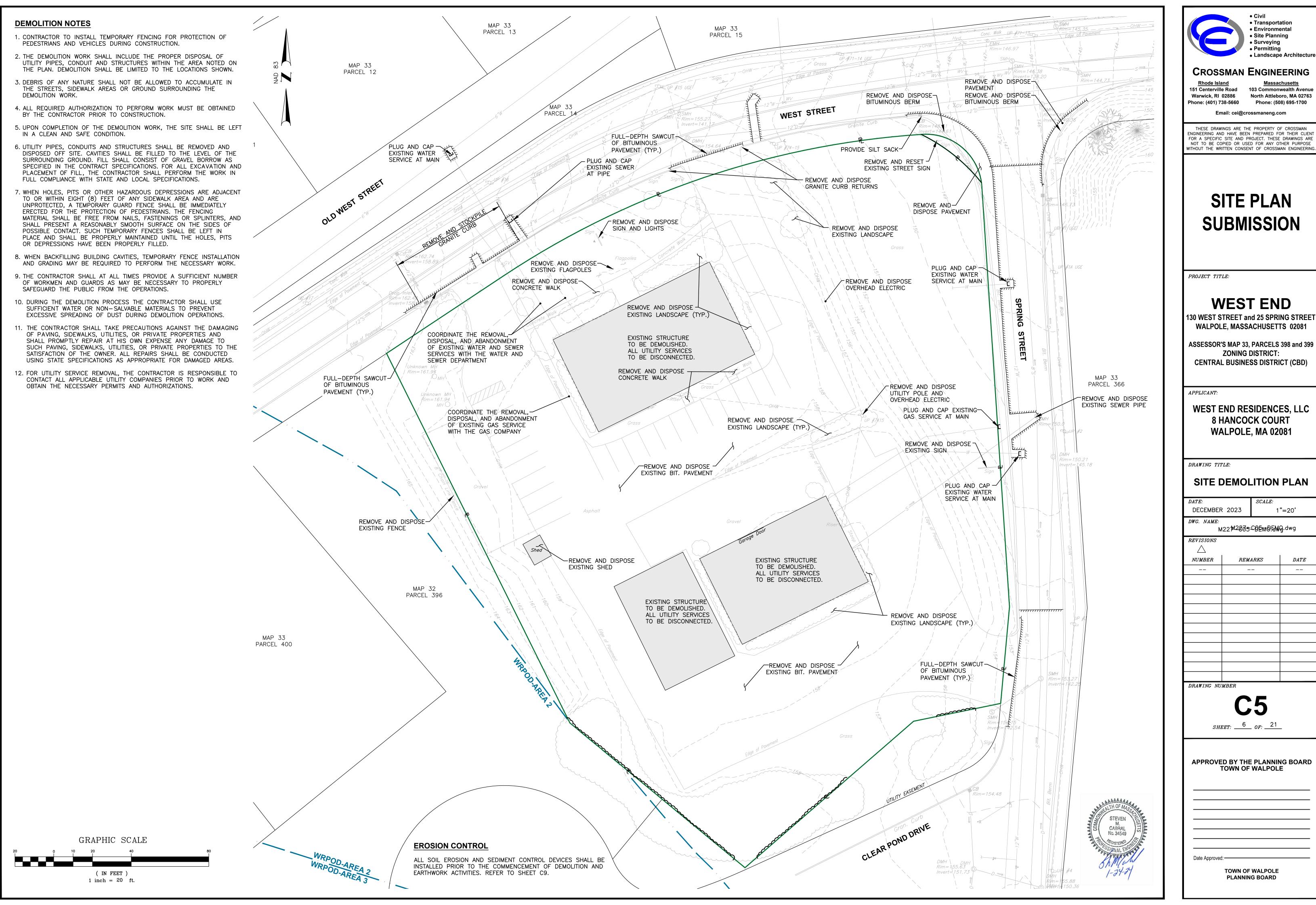
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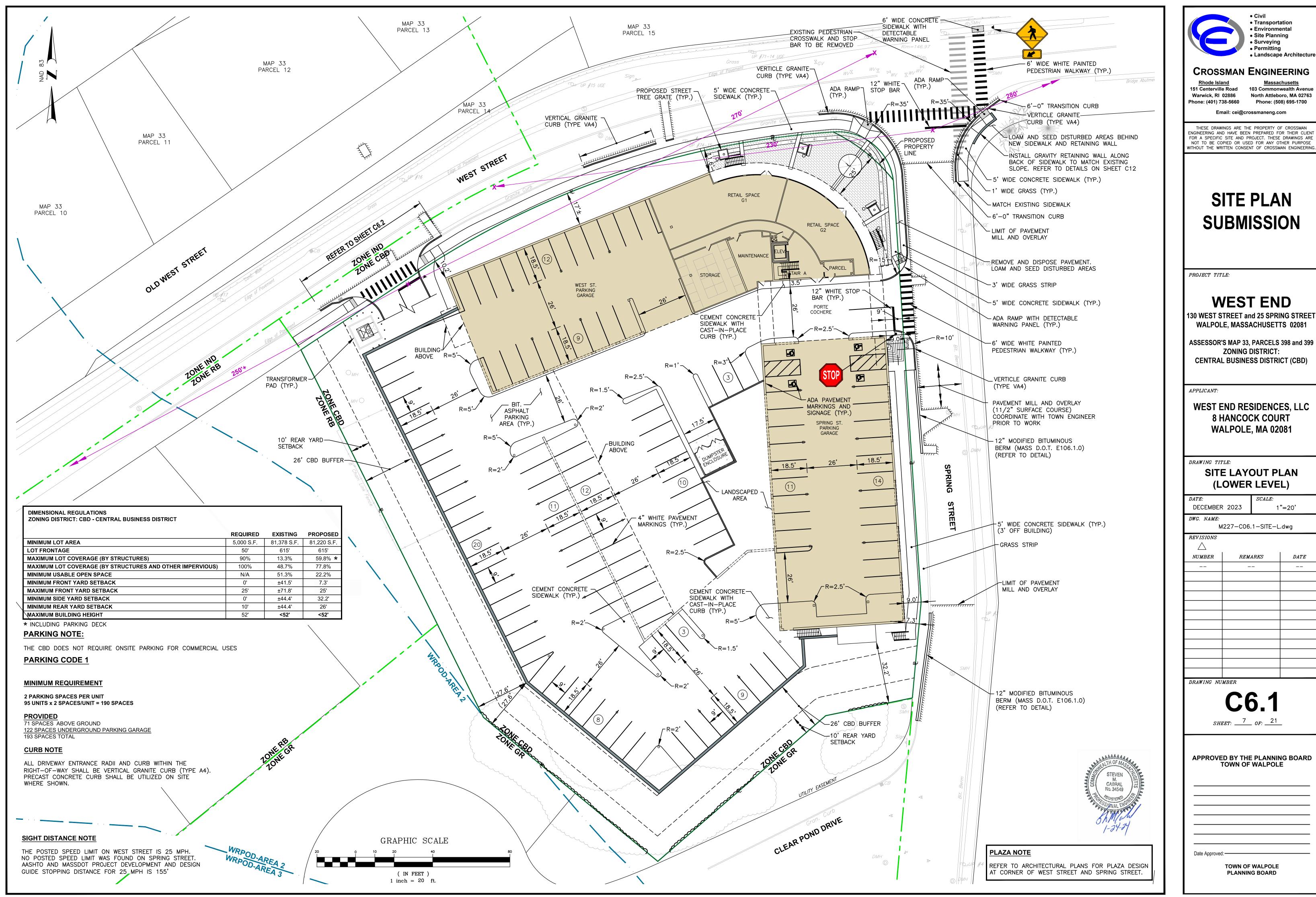
SHEET: 4 OF: 21

APPROVED BY THE PLANNING BOARD TOWN OF WALPOLE



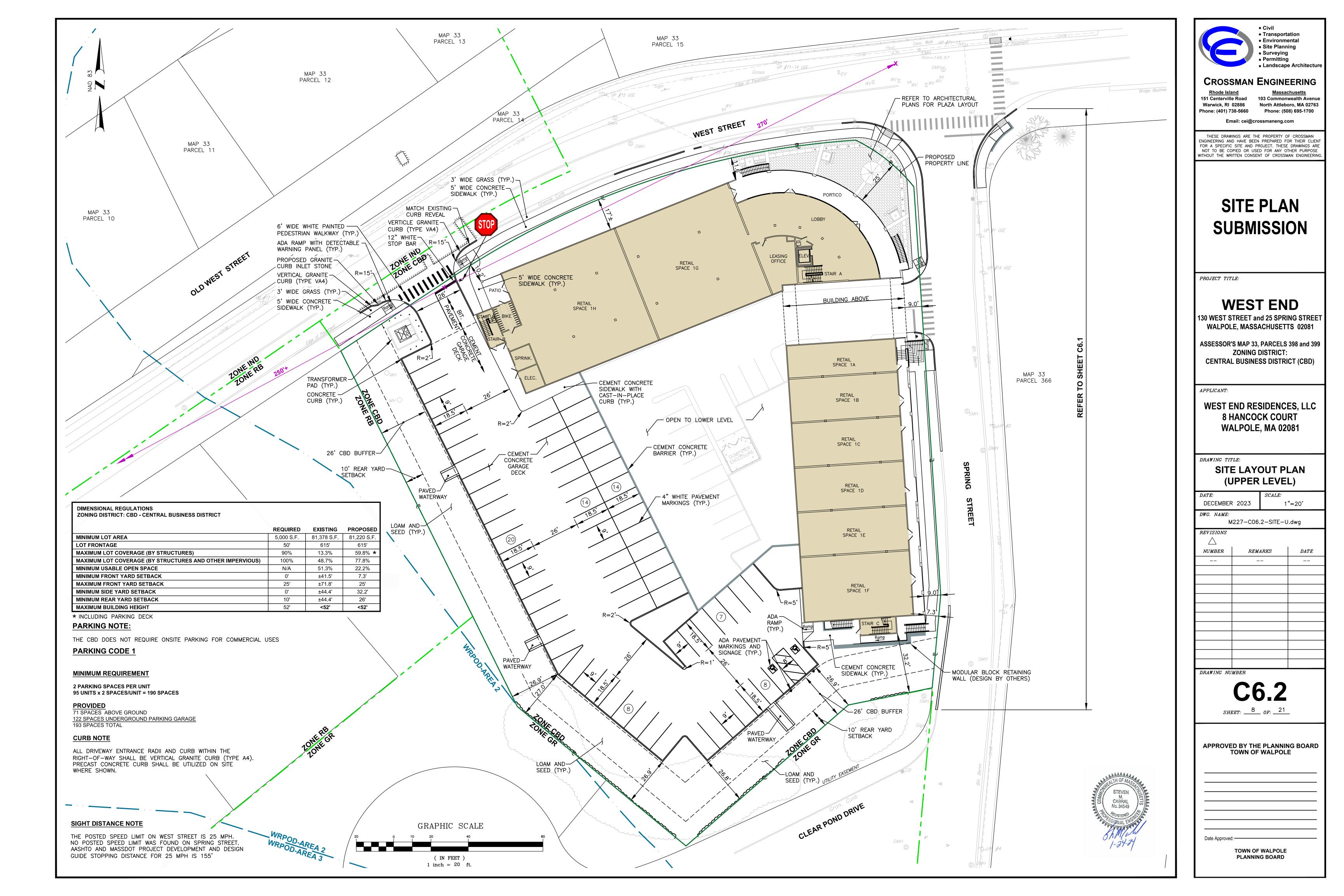


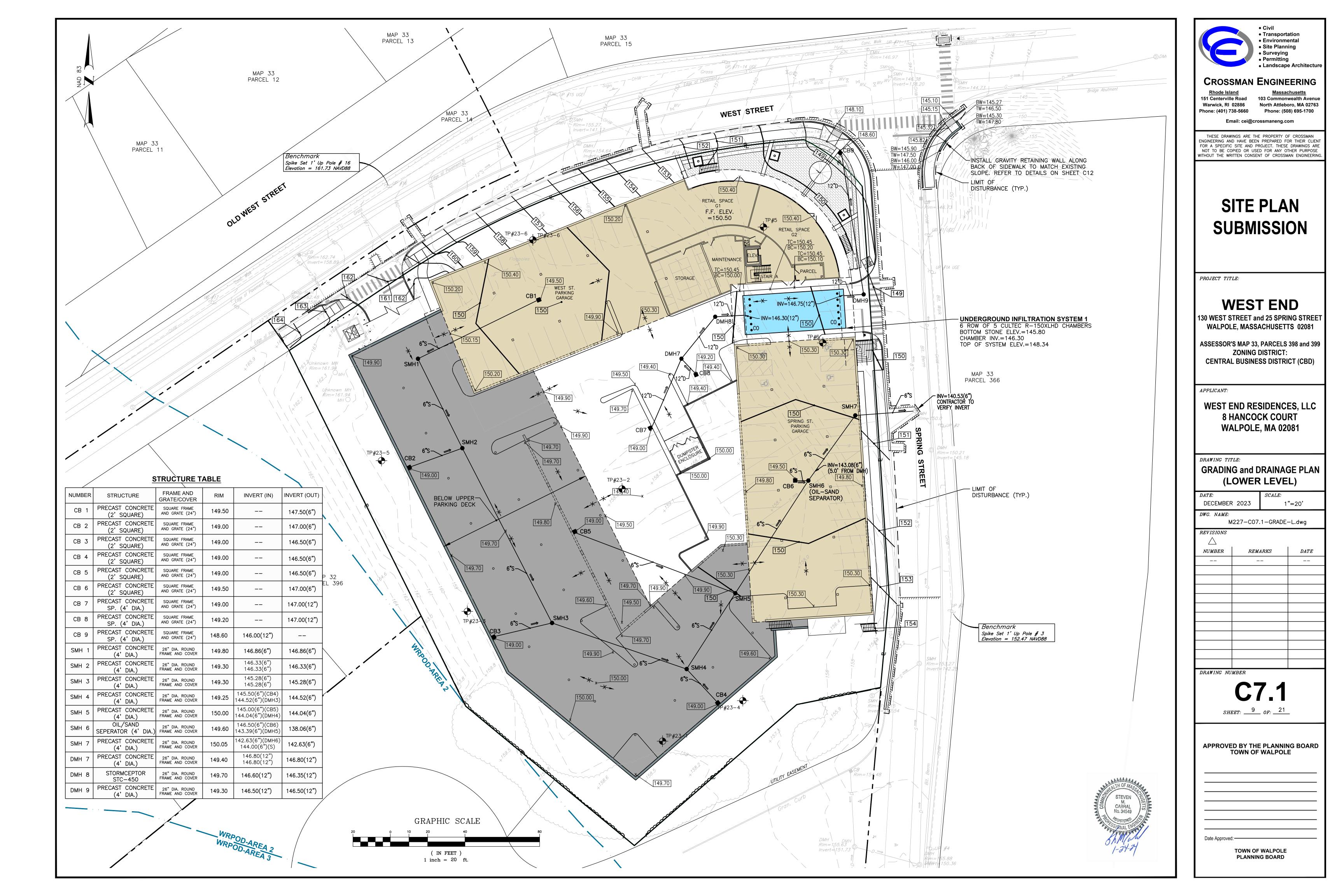
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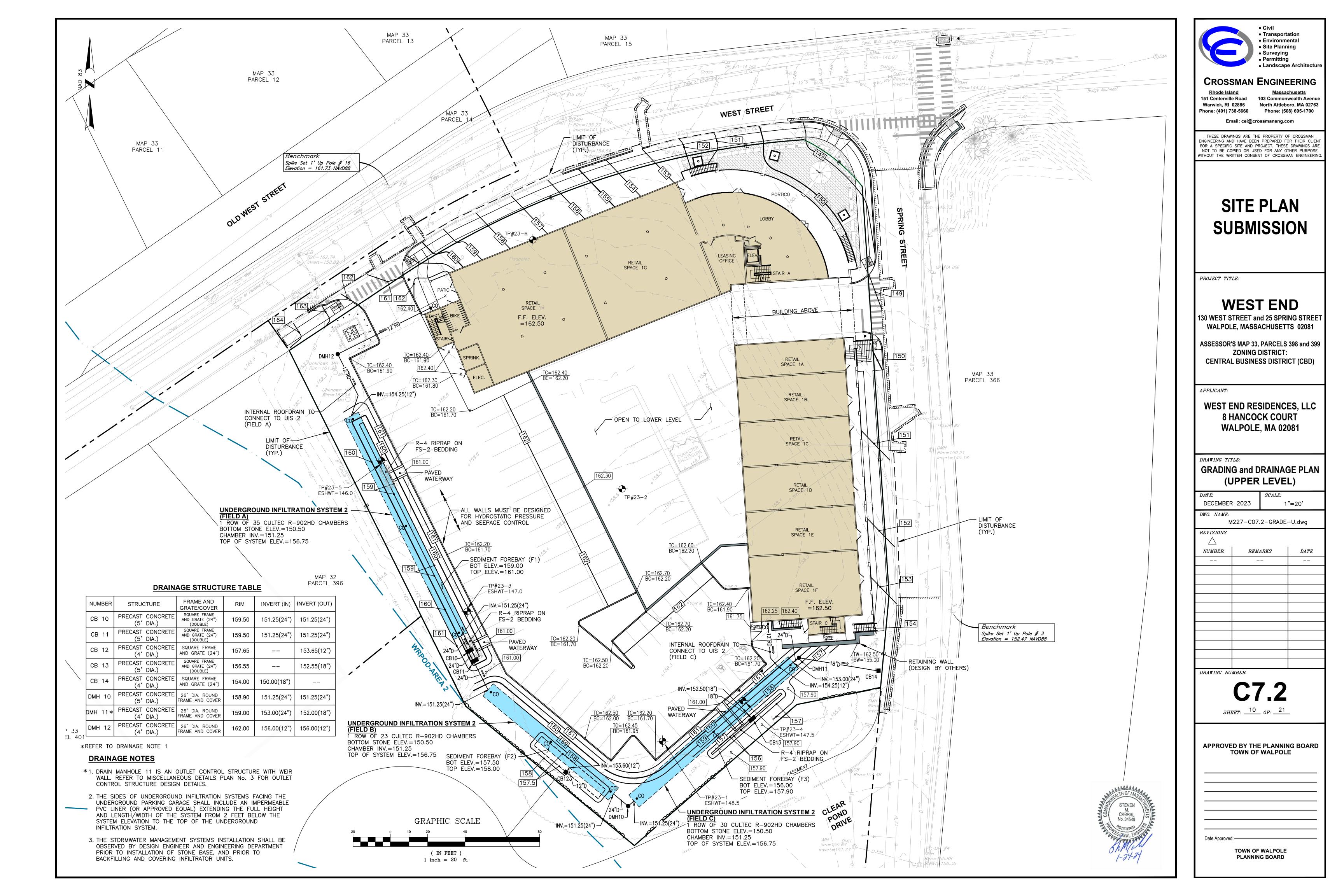


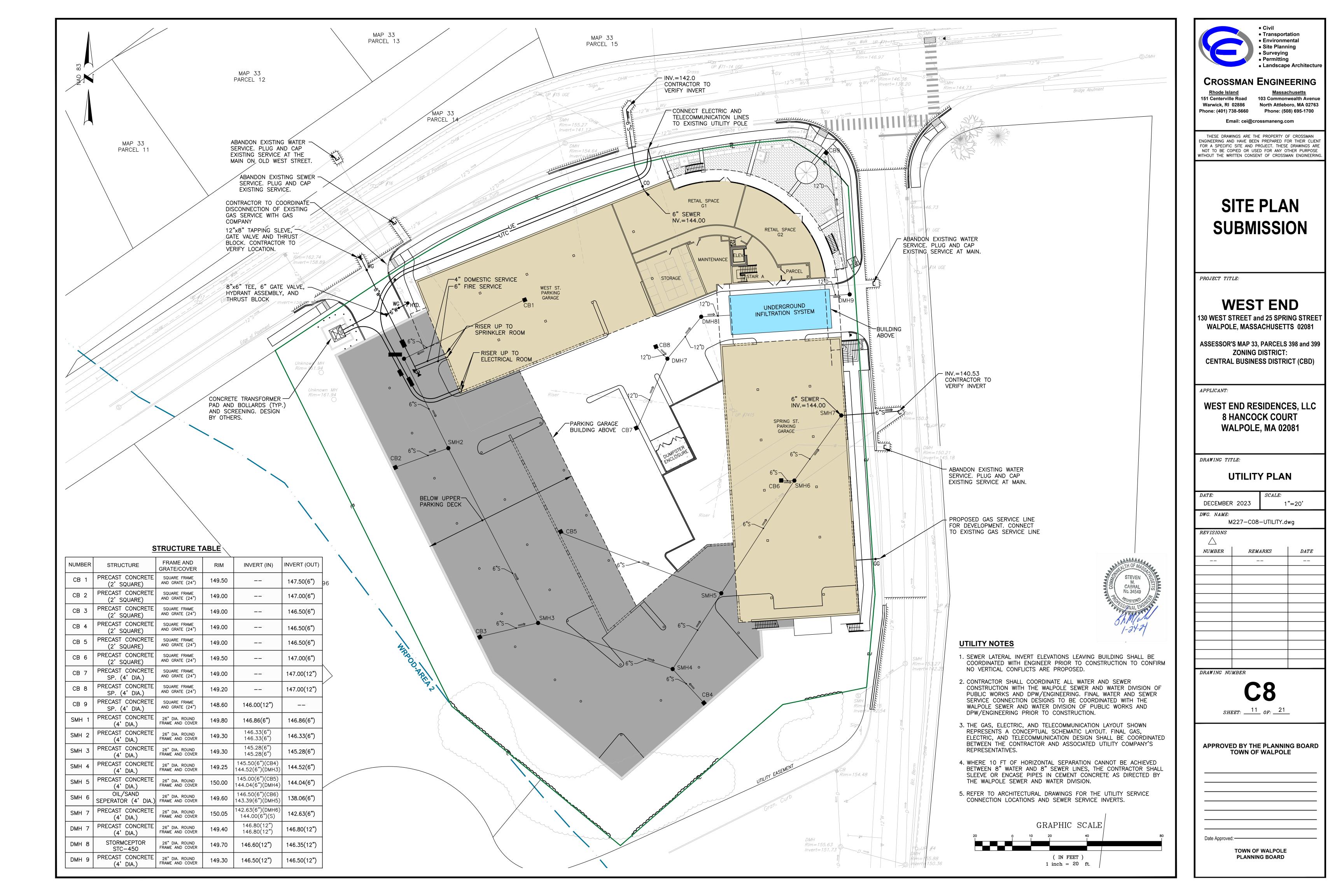
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DATE









GENERAL PROJECT WIDE NOTES

- 1. ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE FITTED WITH SILT SACKS OR APPROVED EQUAL.
- 2. 12" COMPOST FILTER SOCK, SILT FENCE, OR APPROVED EQUAL SHALL BE INSTALLED AT THE LOCATIONS SHOWN. ADDITIONAL SILT FENCE OR EROSION CONTROLS SHALL BE INSTALLED WHERE NEEDED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE.
- 3. THE CONTRACTOR MUST REPLACE AND/OR RESEED ANY VEGETATION THAT DOES NOT DEVELOP/SURVIVE WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 4. ALL SOIL EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED AND POTENTIAL SEDIMENTATION SOURCES ARE REMOVED.
- 5. TREES AND OTHER EXISTING VEGETATION SHALL BE RETAINED WHENEVER FEASIBLE; THE AREA BEYOND THE DROPLINE SHALL BE FENCED OR ROPED OFF TO PROTECT TREES FROM CONSTRUCTION EQUIPMENT.
- 6. AREAS DAMAGED DURING CONSTRUCTION SHALL BE RESODDED, RESEEDED, OR OTHERWISE RESTORED AT THE CONTRACTOR'S EXPENSE.
- 7. STOCKPILES SHALL HAVE NO SLOPE STEEPER THAN 2:1 AND SHALL BE SURROUNDED BY STAKED FILTER SOCK.
- 8. STOCKPILES EXPOSED FOR EXCESSIVE PERIODS SHALL RECEIVE TEMPORARY TREATMENT CONSISTING OF HAY, STRAW, FIBER MATTING OR APPROVED EQUAL.
- 9. SILT FENCE OR STAKED HAYBALES MAY BE USED IN LIEU OF THE COMPOST FILTER SOCK.

INSPECTION/MAINTENANCE NOTES

- 1. PRIOR TO COMMENCING CLEARING AND GRUBBING OPERATIONS, PERIMETER EROSION CONTROLS SHALL BE PLACED SO AS TO PREVENT SEDIMENT FROM ENTERING EXISTING ROADWAY DRAINAGE SYSTEM, WETLANDS AND ABUTTING PROPERTIES.
- 2. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE ROADWAY DRAINAGE SYSTEM.
- 3. ALL DISTURBED AREAS WHICH BECOME SUBJECT TO EROSIVE TENDENCIES WHETHER THEY BE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SLOPE PROTECTION SUCH AS RIP—RAP.
- 4. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING PERIODS OF RAINFALL.
- 5. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT/REPLACE DAILY DURING CONSTRUCTION, FOLLOWING RAINFALL AND WEEKLY DURING NON CONSTRUCTION
- 6. ADDITIONAL EROSION CONTROLS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER OR TOWN'S REPRESENTATIVE.
- 7. THE LATEST VERSION OF THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS HANDBOOK" PREPARED BY THE DEPARTMENT OF ENVIORONMENTAL PROTECTION MUST BE UTILIZED BY THE CONTRACTOR AS A GUIDE.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL AND FOR THE ENTIRE PROJECT DURATION, INCLUDING TEMPORARY SHUT—DOWN PERIODS, MUST MONITOR AND REPAIR, AS NEEDED, ALL SURFACES TO ENSURE A STABLE PRODUCT.

DUST CONTROL NOTES

ON AN AS-NEEDED BASIS OR AS DIRECTED BY THE TOWN, THE CONTRACTOR SHALL UTILIZE ONE OF THE FOLLOWING METHODS TO CONTROL DUST:

- A. THE EXPOSED SOIL SURFACE SHOULD BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
- B. CALCIUM CHLORIDE SHOULD BE EITHER LOOSE DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH A SPREADER AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.

SILT SACK NOTE

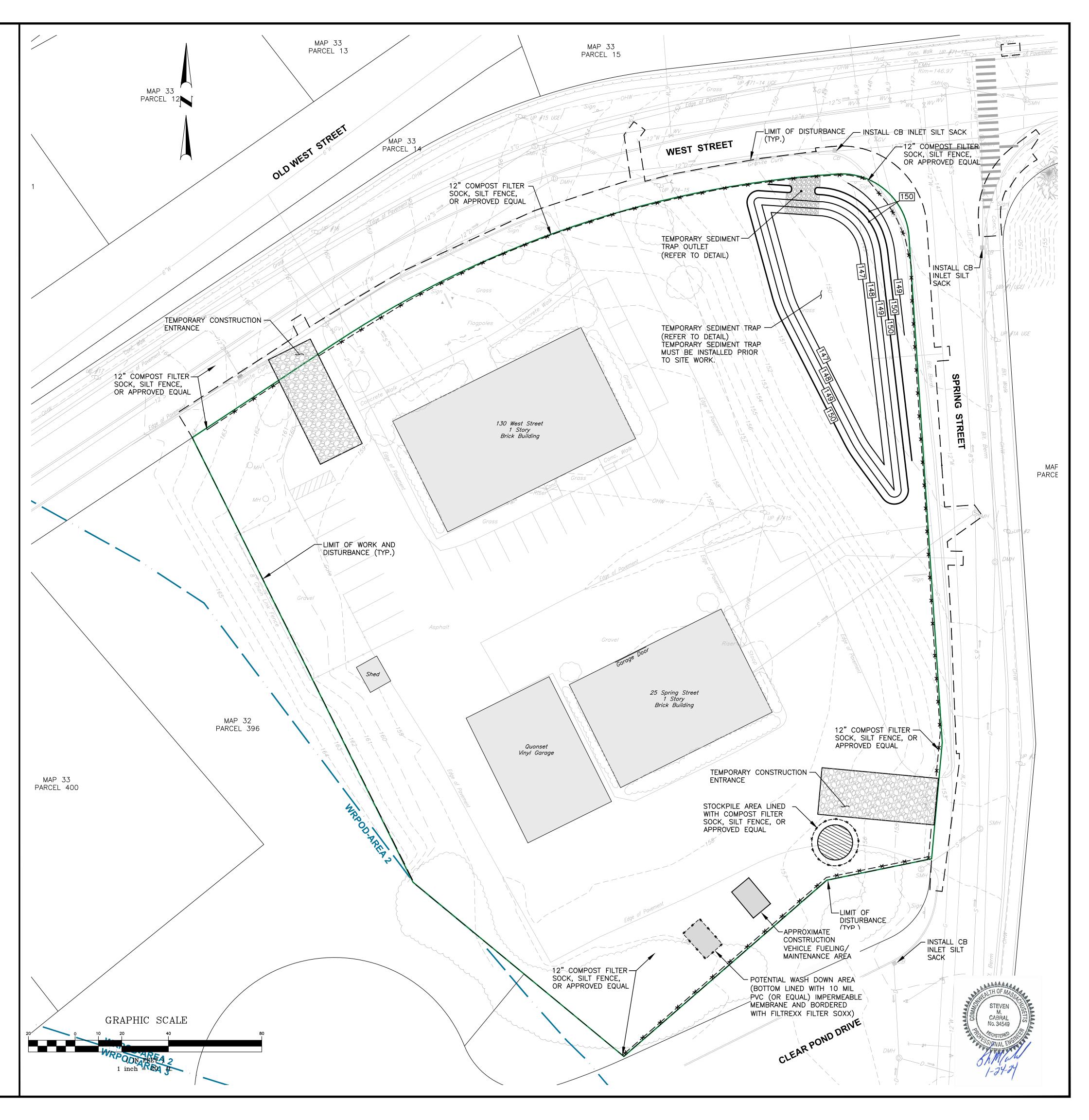
IF MORE THAN 1—INCH OF RAINFALL IS FORECASTED, SILT SACKS SHALL BE TEMPORARILY REMOVED TO REDUCE THE LIKLIEHOOD OF DOWNSTREAM FLOODING. THE SILT SACKS SHALL BE REINSERTED FOLLOWING A STORM EVENT GREATER THAN 1—INCH.

COMPOST FILTER SOCK NOTE

COMPOST FILTER SOCK SHALL BE INSTALLED AT TEMPORARY CONSTRUCTION ENTRANCES ON WEEKENDS AND PRIOR TO ANY STORM EVENT.

SWEEPING NOTE

CONTRACTOR SHALL SWEEP PUBLIC WAYS AROUND THE SITE AS NEEDED AND AT LEAST ONCE PER WEEK.





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SITE PLAN SUBMISSION

PROJECT TITLE:

WEST END

130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

ASSESSOR'S MAP 33, PARCELS 398 and 399
ZONING DISTRICT:
CENTRAL BUSINESS DISTRICT (CBD)

APPLICANT:

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

DRAWING TITLE:

DECEMBER 2023

SOIL EROSION and SEDIMENT CONTROL PLAN

1"=20'

DWG. NAME:				
M	1227-C09-SOIL.dwg			
REVISIONS				
\triangle				
NUMBER	REMARKS	DAT		

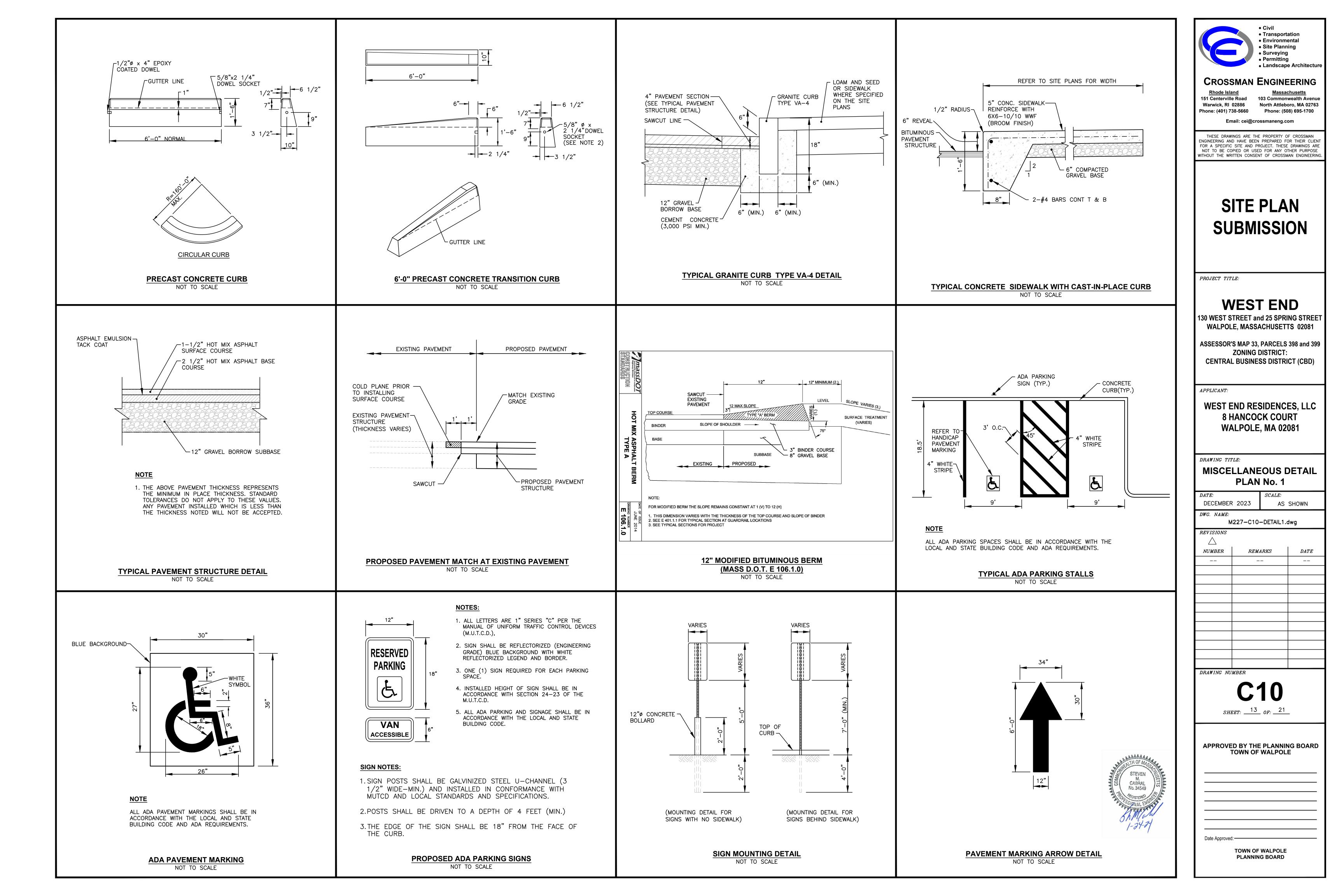
TUMBER REMARKS DATE
-- -- --

DRAWING NUMBER

Date Approved: ——

SHEET: 12 OF: 21

APPROVED BY THE PLANNING BOARD TOWN OF WALPOLE



FINISHED SURFACE DRAINAGE NOTES - IDENTIFICATION TAPE -FRAME AND COVER FRAME AND GRATE (REFER TO DRAIN MANHOLE (REFER TO CATCHBASIN 1. CONTRACTOR TO VERIFY THAT ALL STRUCTURES ARE COMPATIBLE WITH FRAME FRAME AND COVER (TYPE A) FRAME AND GRATE DETAIL) AND GRATE. DETAIL) -ADJUST TO GRADE AS 2. CONTRACTOR IS RESPONSIBLE TO PROVIDE SHOP DRAWINGS AND ADJUST TO GRADE AS REQUIRED USING RED EARTH SPECIFICATIONS FOR ALL DRAINAGE RELATED ITEMS FOR REVIEW AND APPROVAL REQUIRED USING RED CLAY BRICK COURSE EXCAVATION BY THE ENGINEER, PRIOR TO ORDERING. CONCRETE MANUFACTURER SHALL CLAY BRICK COURSE REVIEW RIM TO TOP OF PIPE ELEVATIONS AND PROVIDE SPECIFIC DETAILS. **TRENCH** CONE SECTION **BACKFILL** 3. ALL STRUCTURES SHALL BE DESIGNED FOR H-20 LOADING. 1'-0" TO 2'-0" (REFER TO ROUND OR SQUARE NOTE 1) 4. ALL CATCH BASINS SHALL BE PRECAST CONCRETE WATER TIGHT STRUCTURES. 1'-0" O.C. (NO WEEP HOLES) PIPE OPENINGS - STEPS CAST TO PLAN 1'-0" O.C. -BUTYL RESIN GASKET -KOR-N-SEAL OR APPROVED 5. UNLESS OTHERWISE NOTED, ALL SOLID DRAINAGE PIPE SHALL BE ADS N-12 ALL JOINTS TOTAL __COMPACT_PIPE_BACKFILL | EARTH/ROCK EQUAL EPDM RUBBER SEAL HDPE OR APPROVED EQUAL. PIPE BEDDING SHALL BE IN CRUSHED STONE OR WIDTH OF WALL WITH STAINLESS STEEL BAND EXCAVATION GRAVEL BORROW COMPACTED TO 95% DRY DENSITY (MODIFIED PROCTOR (REFER TO NOTE 1) AND CLAMPS OR SEAL WITH METHOD). ADS PIPE SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' PIPE SPRING - COMPACT BEDDING WATERPROOF GROUT REQUIRÉMENTS. PIPES SHALL BE INSTALLED WITH CLAY TRENCH DAMS EVERY WITHOUT THE WRITTEN CONSENT OF CROSSMAN ENGINEERIN AND BACKFILL TO PIPE 50' (MINIMUM 1 PER PIPE). SPRING LINE (REFER PROVIDE INITIAL CUSHION OF MATERIAL OVER PIPE SUFFICIENT TO NOTE 1) 6. GRADES WITHIN HANDICAP ACCESSIBLE PARKING SPACES AND AISLES SHALL NOT - CB HOOD TO PREVENT DAMAGE DURING BE LESS THAN 1% OR GREATER THAN 2%. (REFER TO BACKFILLING DETAIL) BUTYL RESIN GASKET 7. ALL ROOF DRAINS SHALL BE INSTALLED AT A 1.0% MINIMUM SLOPE. ALL JOINTS TOTAL HALF SECTION HALF SECTION IN EARTH IN ROCK WIDTH OF WALL 8. CONTRACTOR MAY NEED TO RELOCATE PIPE TO AVOID CONFLICTS WITH EXISTING -BRICK INVERT UTILITIES. COORDINATE RELOCATION WITH ENGINEER. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR DAMAGE TO EXISTING UTILITIES. CONTRACTOR IS . PIPE BEDDING AND BACKFILL TO SPRING LINE SHALL CONSIST OF CRUSHED STONE-3/4" MINUS. RESPONSIBLE TO INCLUDE ALL WORK NECESSARY TO INSTALL THIS PIPE, PIPE BACKFILL SHALL CONSIST OF CRUSHED STONE (WRAPPED IN FILTER FABRIC) OR GRAVEL (3" INCLUDING TRANSPLANTING OR PLANTING NEW TREES IF NECESSARY. MINUS, WITH SIEVE ANALYSIS APPROVED BY ENGINEER), OR OTHER APPROVED MATERIAL. TRENCH BACKFILL SHALL CONSIST OF SUITABLE EXCAVATED MATERIAL OR OTHER APPROVED MATERIAL. ALL BEDDING/BACKFILL TO BE COMPACTED TO 95% DRY DENSITY, MODIFIED PROCTOR METHOD. CAST TO PLAN ∽8" MIN. 2. ALL TRENCH EXCAVATION AND ANY SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OVERLAP (TYP.) ALL STATE AND LOCAL CODES AND OSHA REGULATIONS. └1/2 ø OF PIPE 3. MINIMUM TRENCH WIDTH SHALL BE OUTSIDE DIAMETER OF PIPE AT BELL PLUS 12". MAXIMUM ∽8" MIN. OVERLAP (TYP.) TRENCH WIDTH SHALL BE OUTSIDE DIAMETER OF PIPE AT BELL PLUS 24". DRAIN MANHOLE DETAIL TRENCH DETAIL CATCH BASIN DETAIL NOT TO SCALE NOT TO SCALE NOT TO SCALE ₋3 3/4" FOURTH FLANGE -WHERE APPLICABLE 2'-5 1/2" - 12" BOLTED C.I. COVER STANDARD COVER FOR COVER DETAILS SEE DRAWING E 202.8.0 (H-20 LOADING) BITUMINOUS PAVEMENT-►B - ADJUST MANHOLE TO 2'-9 1/4" GRADE USING MORTAR AND CONCRETE COLLAR -CAST-IN PLACE CONCRETE COLLAR, (3000 PSI, 28 DAYS) NOTE COVER SHALL SECTION A-A GRAVEL BORROW BACKFILL INCLUDE "DRAIN" MINIMUM 95% MODIFIED DATE: IN 3" LETTERS PIPE TYPE - A FRAME 2'-0 1/8" **CLEAN-OUT COVER DETAIL** SECTION B-B MATERIAL - CAST IRON - SEE STANDARD SPECIFICATIONS WITH NO BLACK ASPHALT COATING ALLOWED NOT TO SCALE Massachusetts Department of Transportation Highway Division **DRAIN MANHOLE FRAME AND COVER** OCTOBER 2017 OCTOBER 2017 **CATCH BASIN FRAME and GRATE CATCH BASIN HOOD** (TYPE A) DETAIL NOT TO SCALE DRAWING NUMBER CONSTRUCTION STANDARDS E 201.12.0 E 202.6.0 NOT TO SCALE - ELEV. 149.00 EXISTING— TOP OF BERM-GRADE ELEV. 150.00 - R-4 RIP-RAP (REFER TO SHEET C9) ELEV. 150.00 · 3:1 (MAX) 3:1 (MAX) ELEV. 149.00 FLOW 5' MIN. ·4" FRAME AND GRATE **─** 12" DIA. FILTREXX FILTER SOXX — -SEE TEMPORARY ^I ELEV. 147.00 FLOW BOT ELEV.=147.00 SEDIMENT TRAP DIRECTION OF BOTTOM OUTLET DETAIL RUN-OFF FLOW 8" FLAT TOP WIDTH PIPE OPENINGS (TYP.) SECTION - USE EXCAVATED MATERIAL (REFER TO CAST TO PLAN FROM SEDIMENT TRAP PROFILE VIEW SHEET C9) RISER OPTIONAL KOR-N-SEAL OR STORAGE AREA TO CREATE APPROVED EQUAL EPDM SECTION COMPACTED BERM AROUND RUBBER SEAL WITH STAINLESS (OPTIONAL) SEDIMENT TRAPPING AREA **EMBEDMENT** STEEL BAND AND CLAMPS OR (TYP.) SEAL WITH WATERPROOF SOIL/AGGREGATE STOCKPILE OF TEMPORARY SEDIMENT TRAP DETAIL EXISTING SITE MATERIAL TO BE (REFER TO -BUTYL RESIN GASKET NOT TO SCALE TOP OF REUSED AND/OR NEW MATERIAL DETAIL) BERM ALL JOINTS TOTAL TO BE INSTALLED IN THE WORK TOP ELEV.=150.00 WIDTH OF WALL SEDIMENT TRAP SIZING CALCULATIONS ─STEPS (1'-0" 0.C.) 4'-0'ø LIMIT OF DISTURBANCE = $\pm 86,000$ SQUARE-FEET WEIR ELEV.=149.00 MLIIV ELEV.=149.00 ASSUME "CN" VALUE FOR DISTURBANCE AREA = 0.80 1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE APPLY 1-INCH OF RAINFALL OVER LIMITS OF DISTURBANCE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DALAAAAA STORMWATER RUNOFF VOLUME = $86,000 \text{ S.f.} \times 1.0^{\circ} \times 0.80 \times (1 \text{ FT PER } 12 \text{ INCHES})$ DISPOSED OF. = 5,733 CUBIC-FEET -15" NCSA R-4 PLACED RIP-RAP STEVEN 2. SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE M. CABRAL No. 34549 -8 OZ. NEEDLE PUNCHED `_8" MIN. DRAWINGS. PROVIDED SEDIMENT TRAP VOLUME CALCULATIONS NON-WOVEN GEOTEXTILE OVERLAP (TYP.) 3.STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE -IMPERVIOUS GEOMEMBRANE LINER (30 2:1 OR FLATTER. MIL. HDPE OR PVC) CUMULATIVE STORAGE SURFACE STORAGE **ELEVATION** AREA VOLUME - 4" SAND BEDDING BENEATH LINER VOLUME **SECTION VIEW** 2,280 147 148 3,100 2,690 2,690 PRECAST CONCRETE SPECIAL (SHALLOW COVER) 149 4,010 3,555 6,245 MATERIAL STOCKPILE DETAIL TEMPORARY SEDIMENT TRAP OUTLET DETAIL NOT TO SCALE **CATCHBASIN DETAIL** NOT TO SCALE NOT TO SCALE

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SITE PLAN SUBMISSION

PROJECT TITLE:

WEST END

130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

ASSESSOR'S MAP 33, PARCELS 398 and 399 **ZONING DISTRICT: CENTRAL BUSINESS DISTRICT (CBD)**

APPLICANT:

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

DRAWING TITLE:

MISCELLANEOUS DETAIL PLAN No. 2

SCALE: DECEMBER 2023 AS SHOWN DWG. NAME: M227-C11-DETAIL2.dwg

REVISIONS NUMBER REMARKS DATE--___

DRAWING NUMBER

SHEET: 14 OF: 21

APPROVED BY THE PLANNING BOARD TOWN OF WALPOLE

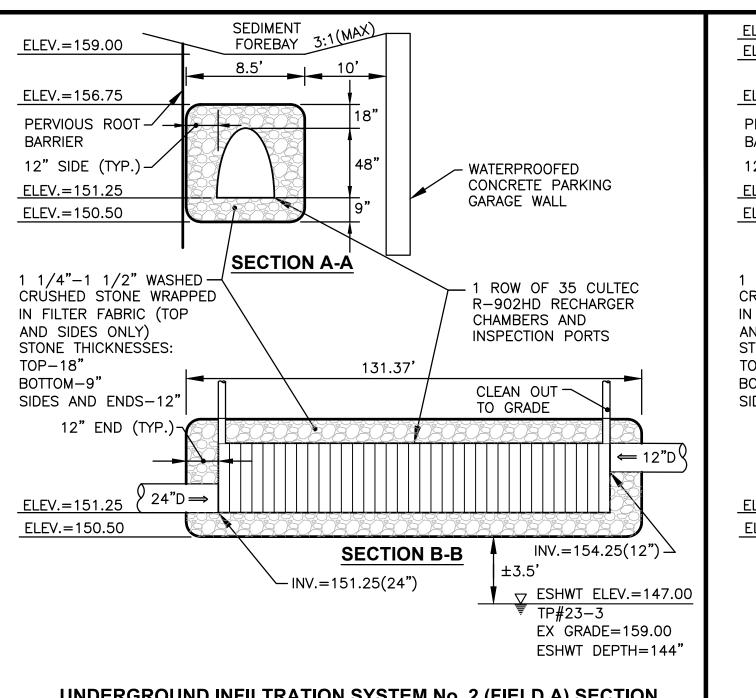
INFILTRATION SYSTEM CONSTRUCTION NOTE

stormwater-standards

- . WITHIN THE INFILTRATION SYSTEM, THE CONTRACTOR SHALL REMOVE ALL TOPSOIL AND SUBSOIL AREAS (A AND B HORIZONS) AND ANY EXISTING SOILS THAT YIELD A PERMEABILITY RATE <2.41 INCHES/HOUR. CONTRACTOR SHALL COORDINATE INSPECTIONS WITH OWNER, ENGINEER, AND CONSERVATION AGENT DURING: EXCAVATION FOR INFILTRATION UNITS PRIOR TO PLACEMENT OF STONE, AND AFTER CHAMBERS (AND FILTER FABRIC) HAVE BEEN INSTALLED PRIOR TO BACKFILLING. IF NECESSARY THE AREA SHALL BE PREPARED WITH SAND FILL SOIL MEETING THE MEDIA REQUIREMENTS OF SAND FILTERS, AS DESCRIBED IN THE MASSACHUSETTS STORMWATER HANDBOOK AND DESIGN STANDARDS LATEST EDITION. THE DEPTH OF EXISTING SOIL REMOVAL SHALL BE VERIFIED BY THE ENGINEER. PLACEMENT OF THE SAND FILL (ASTM C-33 SAND), SHALL BE USED TO BRING THE BOTTOM OF BASIN TO THE DESIGN ELEVATIONS.
- 2. INFILTRATION SYSTEM CONSTRUCTION AND MATERIALS SHALL CONFORM TO MASSACHUSETTS STORMWATER HANDBOOK AND DESIGN STANDARDS, LATEST EDITION. AFTER CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE FINAL INSPECTIONS WITH THE OWNER.
- 3. THE CONTRACTOR IS REQUIRED TO SUBMIT A LIST OF MATERIALS, GRADATIONS AND THE NAME AND ADDRESS OF THE SUPPLIERS TO THE ENGINEER FOR APPROVAL PRIOR TO BRINGING MATERIAL ON SITE. MATERIAL CERTIFICATIONS SHALL ALSO BE REQUIRED FOR REVIEW AND APPROVAL.
- 4. THE CONTRACTOR IS RESPONSIBLE TO BECOME FAMILIAR WITH THE ABOVE REFERENCED MANUAL. THE MANUAL CAN BE FOUND AT: https://www.mass.gov/guides/Massachusetts-stormwater-handbook-and-
- 5. GREAT CARE MUST BE TAKEN TO PREVENT THE INFILTRATION AREA FROM COMPACTION: BY MARKING OFF THE INFILTRATION UNDERGROUND SYSTEM LOCATION BEFORE THE START OF CONSTRUCTION, AND BY CONNECTING UPSTREAM DRAINAGE AREAS ONLY AFTER

CONSTRUCTION IS COMPLETE AND THE CONTRIBUTING AREA IS STABILIZED.

- 6. IF LARGE ROCKS OR BOULDERS ARE FOUND WITHIN 36" BELOW THE INFILTRATION SYSTEMS, OR WITHIN A 10' PERIMETER AROUND SYSTEM, THE CONTRACTOR SHALL REMOVE THE ROCKS/BOULDERS AND REPLACE WILL GRAVEL BORROW. CONTRACTOR SHALL COORDINATÉ WITH ENGINEER.
- 6. THE CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR THE PIPES TO BE USED IN THE UNDERGROUND INFILTRATION SYSTEMS TO THE ENGINEER PRIOR TO CONSTRUCTION. THE SHOP DRAWINGS MUST VERIFY THAT THE PIPES CAN SUPPORT H-20 LOADING WITH THE SYSTEM SPECIFIC COVER.
- 1. ASTM-C33 SAND SHALL BE UTILIZED FOR INFILTRATION BASIN FLOOR FILL CONSTRUCTION IN INSTANCES WHERE THE PROPOSED INFILTRATION BASIN FLOOR ELEVATION IS HIGHER THAN EXISTING GRADE. LOAM APPLICATIONS THROUGHOUT INFILTRATION BASIN FLOORS SHALL BE CUT WITH 20% SAND.
- B. THE SIDES OF UNDERGROUND INFILTRATION SYSTEMS FACING THE UNDERGROUND PARKING GARAGE SHALL INCLUDE AN IMPERMEABLE PVC LINER (OR APPROVED EQUAL) EXTENDING THE FULL HEIGHT AND LENGTH/WIDTH OF THE SYSTEM FROM 2 FEET BELOW THE SYSTEM ELEVATION TO THE TOP OF THE UNDERGROUND INFILTRATION SYSTEM.
- 9. THE PARKING GARAGE WALLS ADJACENT TO THE INFILTRATION SYSTEM MUST BE DESIGNED FOR THE HYDROSTATIC LOADS.

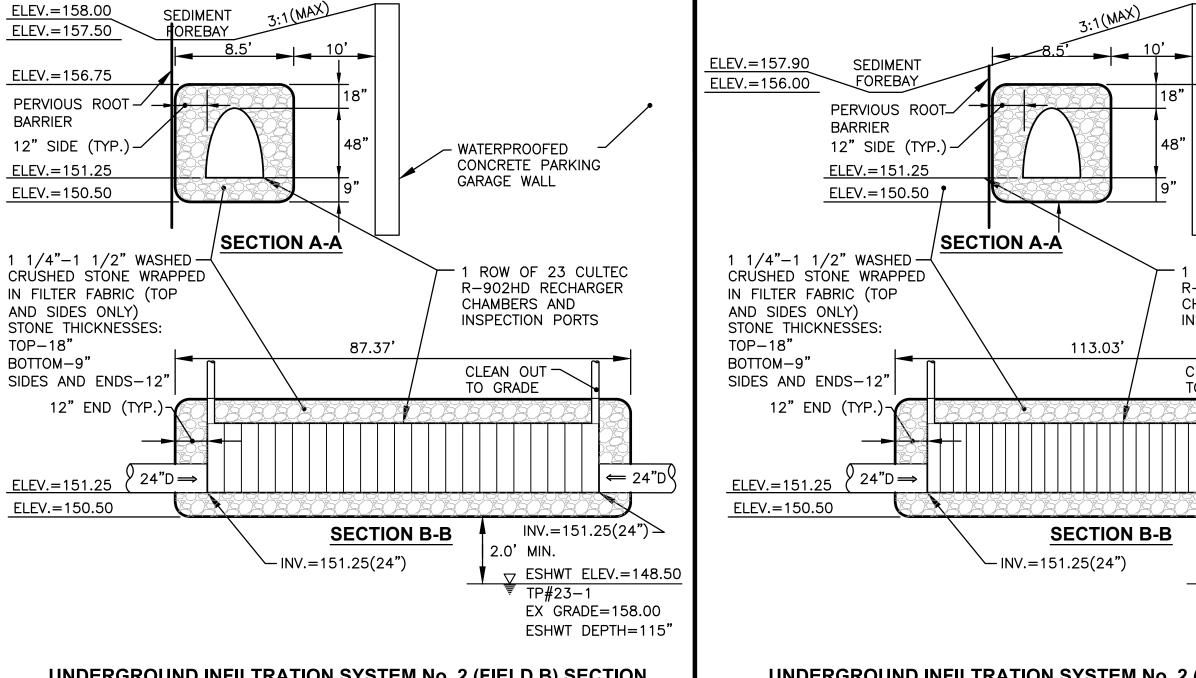


UNDERGROUND INFILTRATION SYSTEM No. 2 (FIELD A) SECTION

21.00'

ELEV.=148.34

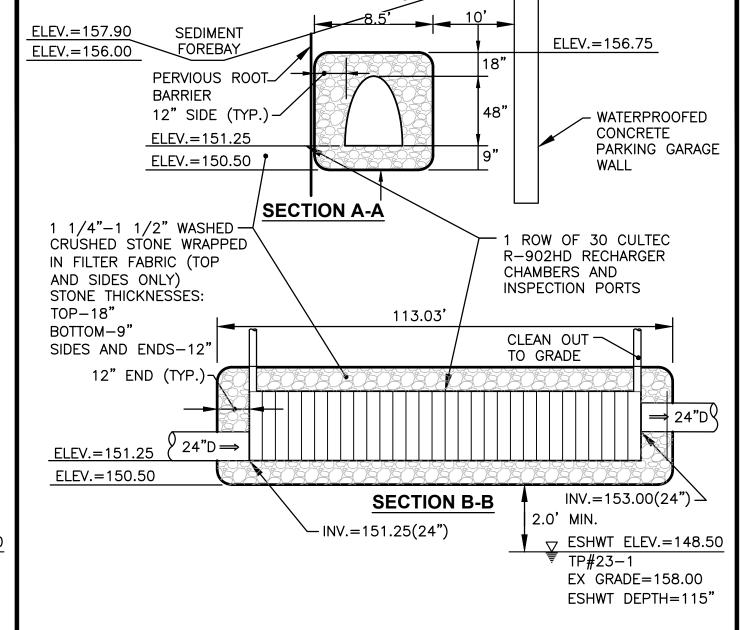
12" SIDE (TYP.) -



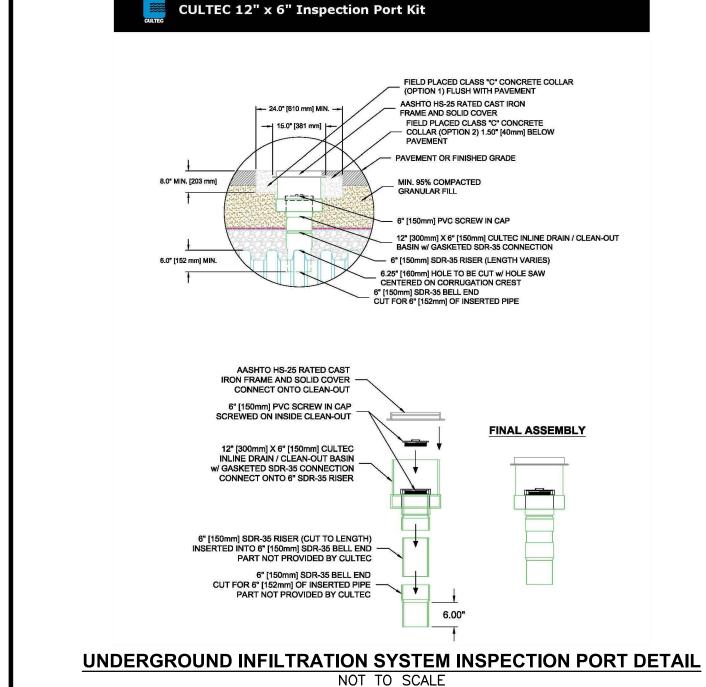
UNDERGROUND INFILTRATION SYSTEM No. 2 (FIELD B) SECTION

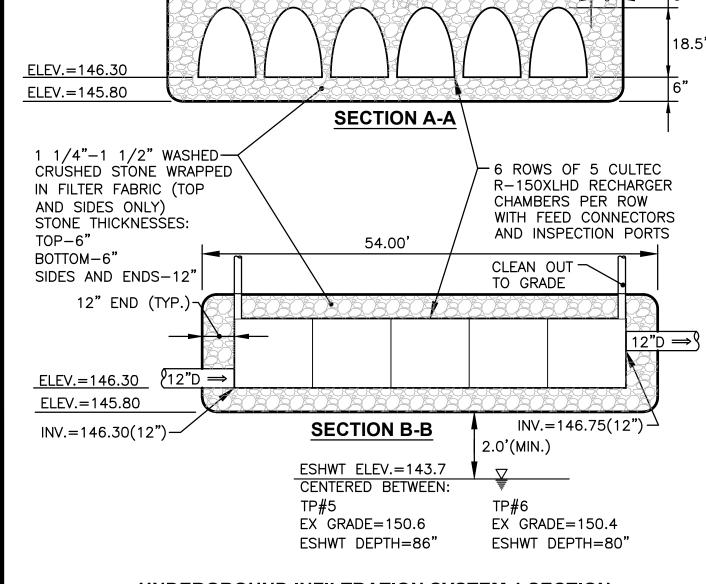
-RIM=159.00

FRAME AND COVER (TYP.)-

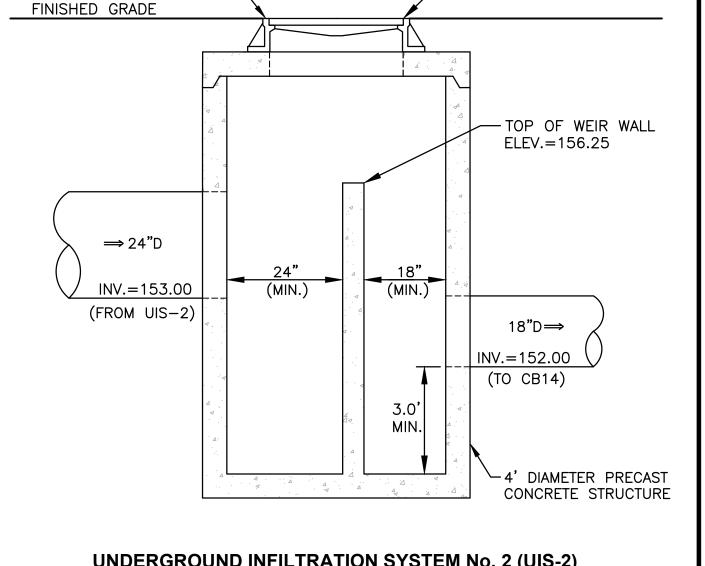


UNDERGROUND INFILTRATION SYSTEM No. 2 (FIELD C) SECTION NOT TO SCALE





UNDERGROUND INFILTRATION SYSTEM 1 SECTION NOT TO SCALE



UNDERGROUND INFILTRATION SYSTEM No. 2 (UIS-2) OUTLET CONTROL STRUCTURE DETAIL (DMH11)

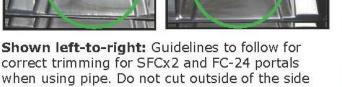




Line up the pipe on the chamber side portal to the designated pipe elevation as detailed on the engineer's drawing. Pipe outside diameter (O.D.) may not exceed those listed in Table 1.

- Using a grease pen, outline the pipe on the side portal of the CULTEC chamber. See Fig. 1 for acceptable trim area.
- Drill a hole on the chamber side portal large enough to accommodate a saw bit.
- Following the grease pen outline, use a reciprocating saw to trim out the opening to accommodate the pipe. Trimming should be within 1/4" (6 mm) tolerance of pipe O.D.





portal area guides.









 Insert the pipe or fitting a minimum of 8" (203) mm) into the chamber. This is not required to be a watertight connection.



Frimming may only be performed on the side portal area. Side entry in any other location is unac-

TYPICAL ROOF DRAIN ATTACHMENT TO INFILTRATION UNITS



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SITE PLAN SUBMISSION

PROJECT TITLE:

WEST END

130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

ASSESSOR'S MAP 33, PARCELS 398 and 399 ZONING DISTRICT: **CENTRAL BUSINESS DISTRICT (CBD)**

APPLICANT:

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

DRAWING TITLE:

MISCELLANEOUS DETAIL PLAN No. 3

ATE:	SCALE:	
DECEMBER 2023	AS SHOWN	
WG. NAME:		
M227-C12-	-DETAIL3.dwg	
EVISIONS		
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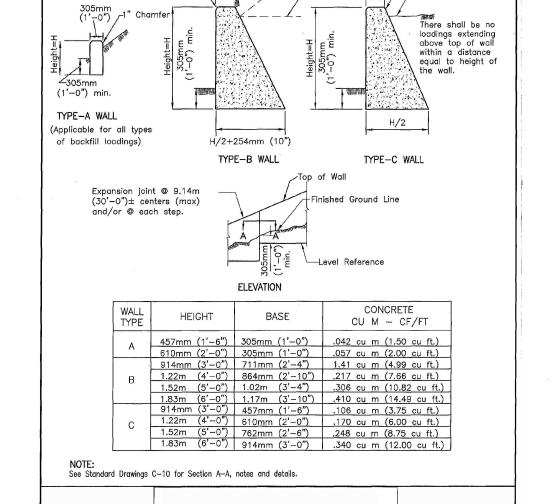
NUMBER	REMARKS	DATE

DRAWING NUMBER

APPROVED BY THE PLANNING BOARD TOWN OF WALPOLE

Date Approved:			

TOWN OF WALPOLE PLANNING BOARD



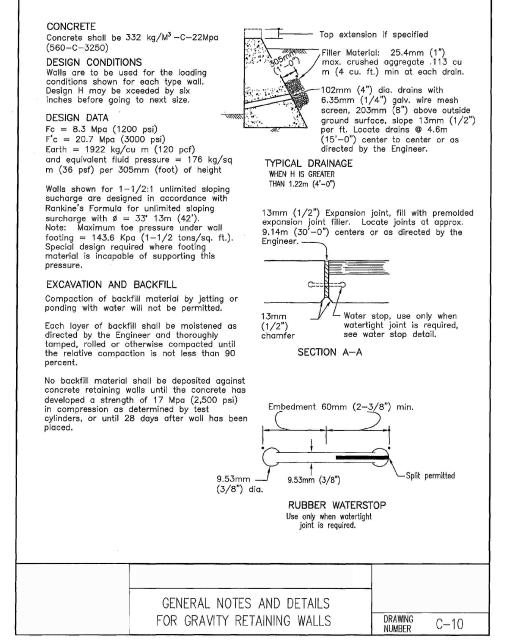
GRAVITY RETAINING WALLS

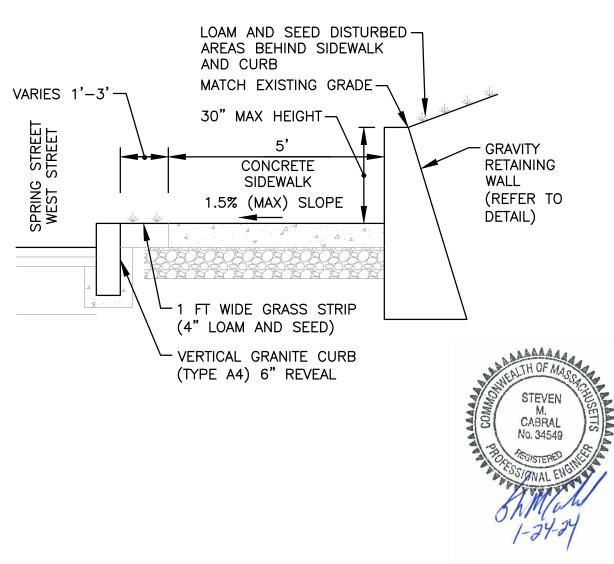
C-9

-1-1/2: 1 Slope Unlimited

(Vehicle Traffic)

610mm (2') Level Surcharge





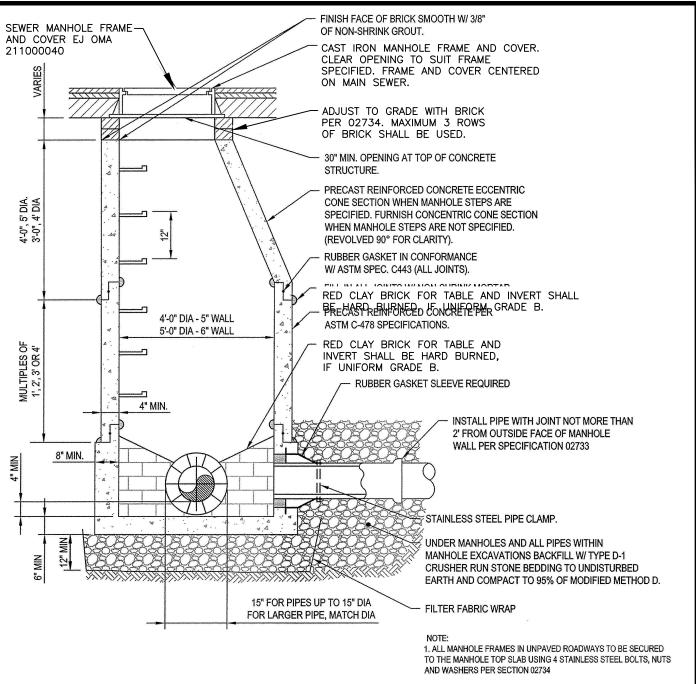
RETAINING WALL BEHIND SIDEWALK TYPICAL SECTION NOT TO SCALE

GENERAL SEWER NOTES

- . INSTALLATION OF THE SEWERAGE FACILITIES SHALL BE IN ACCORDANCE WITH THE TOWN OF WALPOLE WATER AND SEWER USE REGULATIONS, SPECIFICATIONS AND REQUIREMENTS.
- PRIOR TO RECEIVING AUTHORIZATION TO CONSTRUCT, ALL MATERIALS SHALL MEET THE STANDARDS AND RECEIVE THE WRITTEN APPROVAL, BASED ON MANUFACTURER'S DRAWINGS AND OTHER DATA, OF THE WALPOLE SEWER DEPARTMENT.
- 3. ALL SEWERAGE FACILITIES SHALL MEET TESTING AND CLEANING REQUIREMENTS PRIOR TO ACCEPTANCE.
- 4. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE AS-BUILT LOCATIONS PRIOR TO PIPE BACKFILL. AS-BUILT DRAWINGS SHALL BE FURNISHED AS A CONDITION FOR ACCEPTANCE OF THE NEW SEWERAGE FACILITIES. PLANS SHALL INCLUDE LOCATION OF WYES.
- 5. NO FLOW WILL BE ACCEPTED UNTIL ALL ABOVE STEPS ARE COMPLETED AND ACCEPTED.
- 6. AFTER THE CONTRACTOR HAS "STAKED OUT" THE FACILITIES TO BE CONSTRUCTED AND HAS THE APPROVED MATERIALS ON THE JOB, THE PLAINVILLE SEWER DEPARTMENT SHALL BE NOTIFIED IN ADVANCE OF CONSTRUCTION IN ORDER FOR THEM TO ARRANGE FOR THEIR INSPECTOR. THE NOTIFICATION MUST MEET THE WALPOLE SEWER DEPARTMENT REQUIREMENTS.
- . ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND MATERIALS, STANDARDS AND SPECIAL DETAILS, AND STANDARD SPECIFICATIONS, ANY WORK NOT MEETING THE APPROVED STANDARDS SHALL BE IMMEDIATELY REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- 8. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES FOR CONSTRUCTION WITHIN THE LIMITS OF WORK AS SHOWN ON THE DRAWINGS.
- 9. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO EXTRA COST TO THE OWNER, ALL GRASSED AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE LOAMED AND SEEDED.
- 10. LOCATION AND DEPTHS OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND NOTIFY THE APPROPRIATE UTILITY AUTHORITIES INCLUDING "DIG-SAFE" PRIOR TO STARTING WORK. ANY DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE COST OF REPAIRS SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE
- 1. RELATION TO WATER LINES:
- A. HORIZONTAL SEPARATION: WHENEVER POSSIBLE, SEWERS SHOULD BE LAID AT A MINIMUM OF 10 FEET (3.0 m), HORIZONTALLY, FROM ANY EXISTING OR PROPOSED WATER LINE. SHOULD LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET, A SEWER MAY BE LAID CLOSER THAN 10 FEET TO A WATER LINE IF:
- 1. IT IS LAID IN A SEPARATE TRENCH, OR IF
- 2. IT IS LAID IN THE SAME TRENCH WITH THE WATER LINE LOCATED AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH, AND IF
- 3. IN EITHER CASE THE ELEVATION OF THE TOP (CROWN) OF THE SEWER IS AT LEAST 18 INCHES (46 cm) BELOW THE BOTTOM (INVERT) OF THE WATER LINE.
- B. VERTICAL SEPARATION: WHENEVER A SEWER MUST CROSS UNDER WATER LINES, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE TOP OF THE SEWER IS AT LEAST 18 INCHES (46 cm) BELOW THE BOTTOM OF THE WATER LINE. WHEN THE ELEVATION OF THE SEWER CANNOT BE VARIED TO MEET THE ABOVE REQUIREMENTS, THE WATER LINE SHALL BE RELOCATED TO PROVIDE THIS SEPARATION OR RECONSTRUCTED WITH MECHANICAL-JOINT PIPE FOR A DISTANCE OF 10 FEET (3.0 m) ON EACH SIDE OF THE SEWER. ONE FULL LENGTH OF WATER LINE SHOULD BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE
- C. WHEN IT IS IMPOSSIBLE TO OBTAIN HORIZONTAL AND/OR VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER LINE AND SEWER SHALL BE CONSTRUCTED OF MECHANICAL-JOINT CEMENT LINED DUCTILE IRON PIPE OR OTHER EQUIVALENT BASED ON WATER TIGHTNESS AND STRUCTURAL SOUNDNESS. BOTH PIPES SHALL BE PRESSURE TESTED BY AN APPROVED METHOD TO ASSURE WATER TIGHTNESS.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEWATERING REQUIRED IN THE SEWER INSTALLATION.
- 13. THE PROPOSED GRAVITY SANITARY SEWER PIPE SHALL BE PVC ASTM 3034 SDR 35, UNLESS OTHERWISE SHOWN ON PLANS, PIPE SIZE TO MATCH UTILITY PLAN.
- 14. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE ELEVATION OF EXISTING SEWER LINE PRIOR TO INSTALLATION.

SEWER TRENCH NOTES

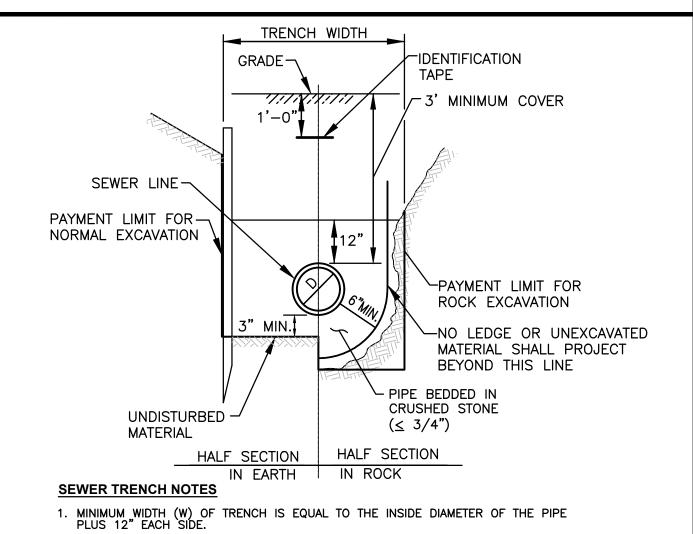
- . MINIMUM WIDTH (W) OF TRENCH IS EQUAL TO THE INSIDE DIAMETER OF THE PIPE PLUS 12" EACH SIDE.
- 2. SOIL UNDER CRUSHED STONE FOUNDATION SHALL BE UNDISTURBED AND COMPACTED MATERIAL WITH SEVERAL PASSES OF A VIBRATORY PLATE COMPACTOR TO ATTAIN 95% MAX. DENSITY (MOD. METHOD).
- 3. CRUSHED STONE FOUNDATION 3/4" MAXIMUM SIZE. SHALL BE PLACED 6" UNDER THE PIPE AND UP TO THE PIPE LAID THEREON, CRUSHED STONE PULLED AGAINST THE PIPE SIDES TO FIRMLY HOLD THE PIPE IN PLACE.
- 4. A CRUSHED GRAVEL BLANKET SHALL BE BROUGHT 12" ABOVE THE TOP OF THE PIPE AND OUT TO THE TRENCH WALL AT THIS ELEVATION FOR ALL PIPE.



STANDARD PRECAST GRAVITY SEWER MANHOLE DETAIL NOT TO SCALE



SEWER MANHOLE FRAME AND COVER DETAIL (TYPE 211000040 FRAME and COVER)



- 2. SOIL UNDER CRUSHED STONE FOUNDATION SHALL BE UNDISTURBED AND COMPACTED MATERIAL WITH SEVERAL PASSES OF A VIBRATORY PLATE COMPACTOR TO ATTAIN 95%
- 3. CRUSHED STONE FOUNDATION 3/4" MAXIMUM SIZE, SHALL BE PLACED 6" UNDER THE PIPE AND UP TO THE PIPE LAID THEREON, CRUSHED STONE PULLED AGAINST THE PIPE SIDES TO FIRMLY HOLD THE PIPE IN PLACE.
- 4. A CRUSHED STONE BLANKET SHALL BE BROUGHT 12" ABOVE THE TOP OF THE PIPE AND OUT TO THE TRENCH WALL AT THIS ELEVATION FOR ALL PIPE. 5. FILTER FABRIC (MARIFI No. 140N OR EQUAL) SHALL BE PLACED ON TOP, BOTTOM
- AND SIDES OF CRUSHED STONE LAYER. TYPICAL SEWER LINE TRENCH DETAIL NOT TO SCALE

WATER NOTES

- ALL INSTALLATION, JOINTS, CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CURRENT RULES AND REGULATIONS OF THE AWWA STANDARDS, DEP GUIDELINES, TOWN OF WALPOLE - WATER AND SEWER USE REGULATIONS, THE DUCTILE IRON PIPE RESEARCH ASSOCIATIONS INSTALLATION MANUAL AND GOVERNMENTAL REQUIREMENTS.
- ALL PIPE SHALL CONFORM IN DESIGN AND MANUFACTURED TO THE LATEST ISSUE OF AWWA STANDARDS C151, "DUCTILE-IRON PIPE, CENTRIFUGALLY CAST, FOR WATER OR OTHER LIQUIDS." PIPE SHALL HAVE A PRESSURE CLASS OF 350.
- ALL FITTINGS SHALL BE DUCTILE IRON AND CONFORM IN DESIGN AND MANUFACTURED TO THE LATEST ISSUE OF AWWA STANDARD C110, "DUCTILE-IRON AND GRAY-IRON FITTINGS," 3-INCH THROUGH 48-INCH FOR WATER AND OTHER LIQUIDS.
- ALL PIPE AND FITTINGS SHALL HAVE A DOUBLE CEMENT-MORTAR LINING INSIDE AND A BITUMINOUS SEAL COAT APPLIED BOTH INSIDE AND OUTSIDE TO CONFORM TO AWWA C104, "CEMENT-MORTAR LINING FOR DUCTILE-IRON PIPE AND FITTINGS FOR WATER."
- . PUSH-ON AND MECHANICAL JOINTS ARE PERMITTED AND SHALL CONFORM IN DESIGN AND MANUFACTURED TO THE LATEST ISSUE OF AWWA STANDARD C111, "RUBBER-GASKET JOINT FOR DUCTILE-IRON PRESSURE PIPE AND FITTINGS."
- CONSTRUCTION SHALL INCLUDE ALL PIPE, JOINTS, BENDS, TEES, FITTINGS, THRUST BLOCKS, GATE VALVES, GATE BOXES, SERVICE CONNECTIONS AND ALL MISCELLANEOUS ITEMS REQUIRED TO CONSTRUCT THE PROPOSED SYSTEM.
- CONCRETE THRUST, ANCHOR, OR BEARING BLOCKS SHALL BE INSTALLED IN LOCATIONS INDICATED AND AT ALL BENDS, FITTINGS, PLUGS, ETC. WHEN A THRUST BLOCK CANNOT BE PLACED AGAINST UNDISTURBED EARTH, A MECHANICAL RESTRAINED JOINT PIPE MAY BE UTILIZED.
- PRESSURE AND LEAKAGE TESTS AND DISINFECTING PIPES SHALL BE PERFORMED BY THE CONTRACTOR IN CONFORMANCE TO LOCAL WATER DEPARTMENT REQUIREMENTS, AMERICAN WATER WORKS ASSOCIATION (AWWA) RECOMMENDATIONS, AND GOVERNMENTAL AGENCIES HAVING JURISDICTION. THE CONTRACTOR MUST FOLLOW THE REQUIREMENTS SET FORTH IN SECTION 3P OF THE RULES AND REGULATIONS OF THE WALPOLE WATER AND SEWER USE REGULATIONS.
- . ALL GATE VALVES, FITTINGS, PIPE, JOINTS, ETC. SHALL BE DESIGNED FOR 1.5 TIMES WORKING PRESSURE BUT NOT LESS THAN 250 PSI.
- . WATER PIPE SHALL BE LOCATED AT A DEPTH OF COVER EQUAL TO 5' MINIMUM. A MINIMUM OF 10-FEET HORIZONTAL OR 18-INCH VERTICAL SEPARATION SHALL BE MAINTAINED IN THE PLACEMENT OF WATER MAINS, SERVICES, OR APPURTENANCES WITHIN THE VICINITY OF SEWER FACILITIES, OR VICE VERSA. WHERE THE ABOVE SEPARATION DISTANCES CANNOT BE ACHIEVED, THE SANITARY SEWER PIPE SHALL BE ENCASED WITHIN A DUCTILE IRON CARRIER PIPE FOR A DISTANCE EQUAL TO 10-FEET ON EITHER SIDE OF THE AREA OF CONCERN. CONCRETE ENCASEMENT IS NOT ALLOWED. UTILITY SEPARATION SHALL CONFORM TO THE WALPOLE WATER AND SEWER USE REGULATIONS.
- ALL SYSTEM COMPONENTS AND CONSTRUCTION METHODS, SUCH AS GATE VALVE, PIPE, THRUST BLOCKS, FITTINGS, CASTINGS, ETC. SHALL BE SUBMITTED TO THE LOCAL WATER AUTHORITY AND ENGINEER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. THIS SUBMISSION SHALL INCLUDE MANUFACTURER'S LITERATURE, SHOP DRAWINGS, PROPOSED CONSTRUCTION METHODS,

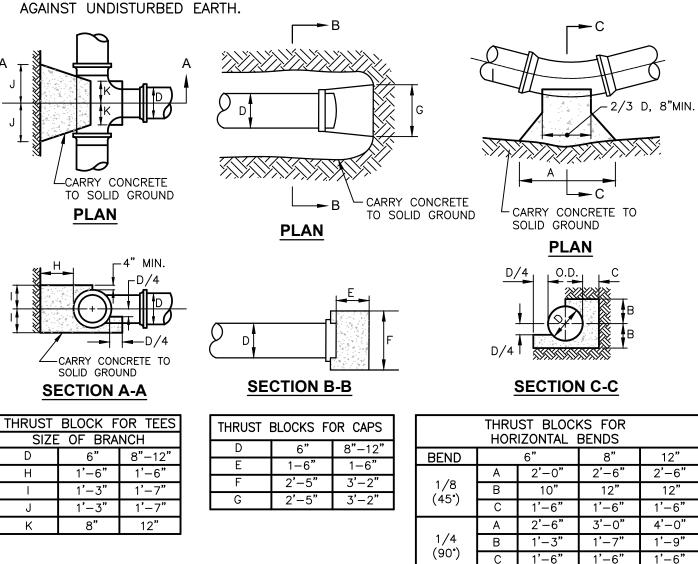
2. WATER LINE TRENCH TO BE AWWA TYPE 5. COMPACTION MUST BE ACCOMPLISHED IN 6" LIFTS.

A METALIZED DETECTABLE IDENTIFICATION TAPE 2.5" IN WIDTH, BLUE IN COLOR AND PRINTED

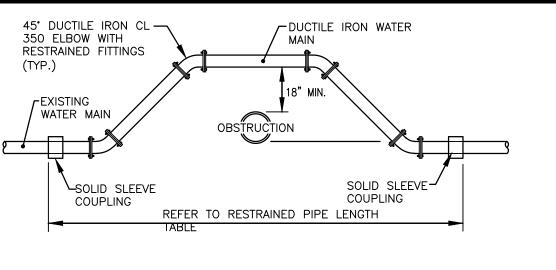
- WITH "CAUTION WATERLINE BURIED BELOW" SHALL BE UTILIZED OVER ALL MAINS. TAPE SHALL BE SET AT APPROXIMATELY 1'-0" BELOW FINISHED GRADE. I3. ALL VALVES SHALL CONFORM IN DESIGN AND MANUFACTURED TO THE LATEST ISSUE OF AWWA
- STANDARD C509, "RESILIENT-SEATED GATE VALVE FOR WATER SUPPLY." ACCEPTABLE VALVES ARE MUELLER OR APPROVED EQUAL.
- 4. THE FINAL LOCATIONS FOR ALL INTERIOR PIPING, BACK FLOW PREVENTORS AND VALVES SHALL BE VERIFIED WITH THE PLUMBING AND FIRE SPRINKLER SYSTEM SUB-CONTRACTORS.
- 5. THE MANUFACTURER AND MODEL OF BACK FLOW PREVENTORS ARE TO BE VERIFIED BY THE APPROPRIATE PLUMBING AND FIRE SPRINKLER SUB-CONTRACTORS; AND MUST BE APPROVED FOR USE BY THE LOCAL WATER AUTHORITY PRIOR TO ORDERING.
- 16. AS-BUILT DRAWINGS MUST BE FURNISHED BY THE CONTRACTOR TO, AND APPROVED BY, THE LOCAL WATER AUTHORITY PRIOR TO WATER SERVICE ACTIVATION.
- 17. THE CONTRACTOR MUST INSTALL TEMPORARY BLOW-OFFS AT ALL DEAD-ENDS INSIDE THE PROPOSED BUILDINGS. THE BLOW—OFFS ARE TO BE USED FOR FLUSHING AND SAMPLES. THE CONTRACTOR MUST FLUSH THE FIRE LINE TO EACH BUILDING USING A 4-INCH TEMPORARY FLUSHING CONNECTION.
- 18. ALL VALVES MUST OPEN IN A COUNTER CLOCKWISE DIRECTION.
- 9. THE CONTRACTOR SHALL FURNISH AND INSTALL SUITABLE TEMPORARY TESTING PLUGS, CAPS, PUMPS, PIPE CONNECTIONS, AND OTHER APPURTENANCES, AS NECESSARY, TO OBTAIN SAMPLES.

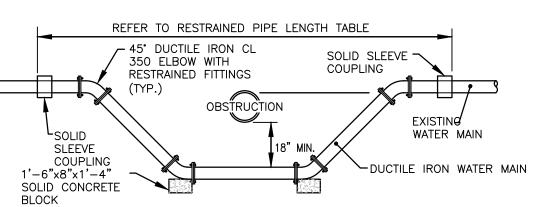
THRUST BLOCK NOTES

- ALL CONCRETE TO BE CLASS B
- BUTTRESS DIMENSIONS SHOWN ARE MINIMUM. DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 1500 P.S.F. LATERAL AND STATIC WATER PRESSURE OF 150 P.S.I. WHERE PRESSURE EXCEEDS 150 P.S.I. OR WHERE SOIL BEARING PRESSURE IS LESS THAN 1500 P.S.F. LATERAL; OR SOIL CONDITIONS OR EXCAVATION LIMITS ENCOUNTERED DURING CONSTRUCTION MAKE IT UNFEASIBLE TO PLACE THRUST BLOCKS AGAINST UNDISTURBED EARTH OF THE PROPER BEARING CAPACITY. THE CONTRACTOR SHALL DESIGN, GET APPROVAL OF, AND PLACE SPECIAL REACTION BLOCKS OF SUFFICIENT WEIGHT TO RESIST THE FULL THRUST OF THE LINE UNDER TEST AND OPERATING PRESSURES. THE DESIGN OF SUCH BLOCKS SHALL BE SUBJECT TO THE APPROVAL OF THE SMITHFIELD WATER SUPPLY BOARD AND THE ENGINEER BEFORE ACTUAL INSTALLATION TAKES PLACE.
- ALL THRUST BLOCKS SHALL BE CONCRETE 3,000 P.S.I. @ 28 DAYS AND BEARING



THRUST BLOCKS FOR CAPS, TEES AND HORIZONTAL BENDS NOT TO SCALE



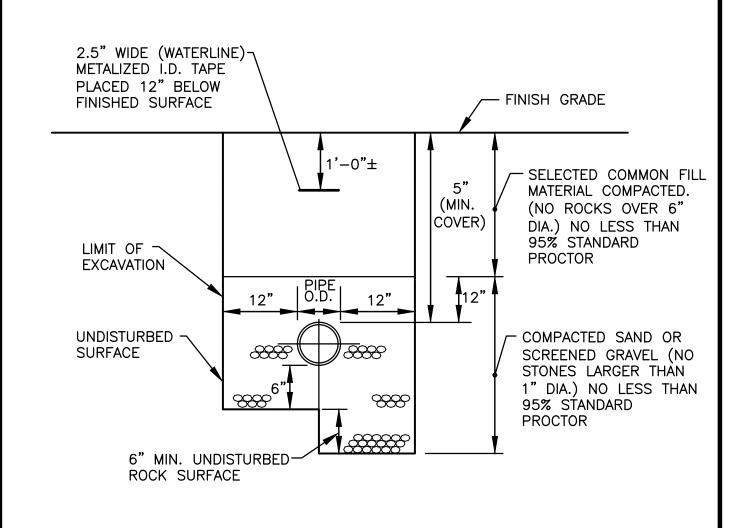


- 1. TRANSITION COUPLING, DRESSER STYLE, TO BE USED ONLY WHEN EXISTING WATER MAIN IS OF DIFFERENT MATERIAL OTHER THAN DUCTILE IRON.
- 2. SOLID SLEEVE COUPLING TO BE RESTRAINED WITH APPROVED RESTRAINT FITTINGS.
- 3. SOLID SLEEVE COUPLING ONLY TO BE USED WHEN CALCULATED FRICTION LOSS WILL NOT ADVERSELY EFFECT DISTRIBUTION PRESSURE AND FLOW
- 4. MINIMUM DEPTH OF COVER SHALL BE 5'-O" (UNLESS AUTHORIZED IN WRITING BY TOWN. 5. THE WATER PIPE SHALL BE CLASS 54 AND INSULATED WITH 2" FOAMGLASS INSULATION WITH

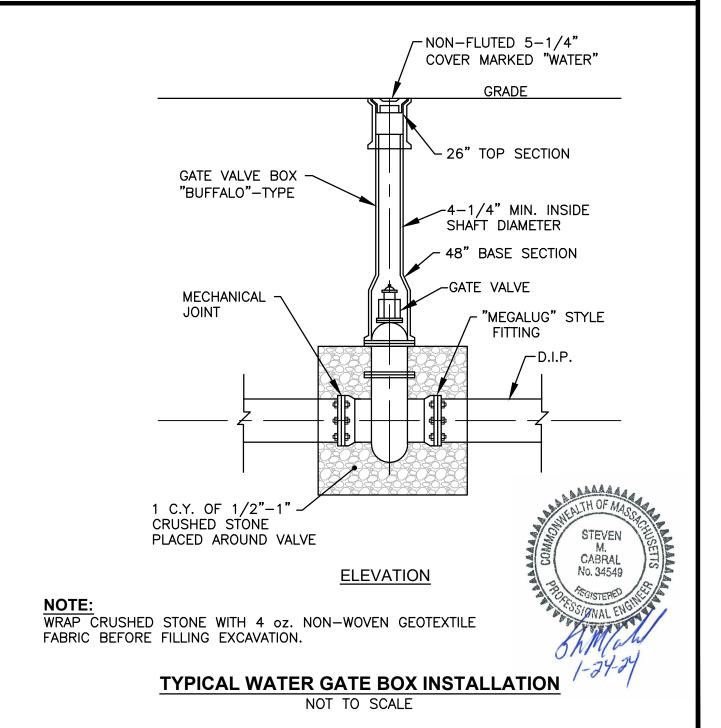
PITT WRAP OR EQUAL WHERE THE WATER PIPE HAS LESS THAN 5' OF COVER.

WATER MAIN HORIZONTAL OR VERTICAL RELOCATION DETAIL

NOT TO SCALE



TYPICAL WATER LINE TRENCH DETAIL NOT TO SCALE





 Transportation Environmental Site Planning Surveying Permitting Landscape Architecture

Civil

CROSSMAN ENGINEERING

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SITE PLAN **SUBMISSION**

PROJECT TITLE:

WEST END

130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

ASSESSOR'S MAP 33, PARCELS 398 and 399 ZONING DISTRICT: CENTRAL BUSINESS DISTRICT (CBD)

APPLICANT:

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

DRAWING TITLE:

DATE:

MISCELLANEOUS DETAIL

PLAN No. 4		
DATE:	SCALE:	
DECEMBER 2023	AS SHOWN	

DWG. NAME: M227-C13-DETAIL4.dwg REVISIONS

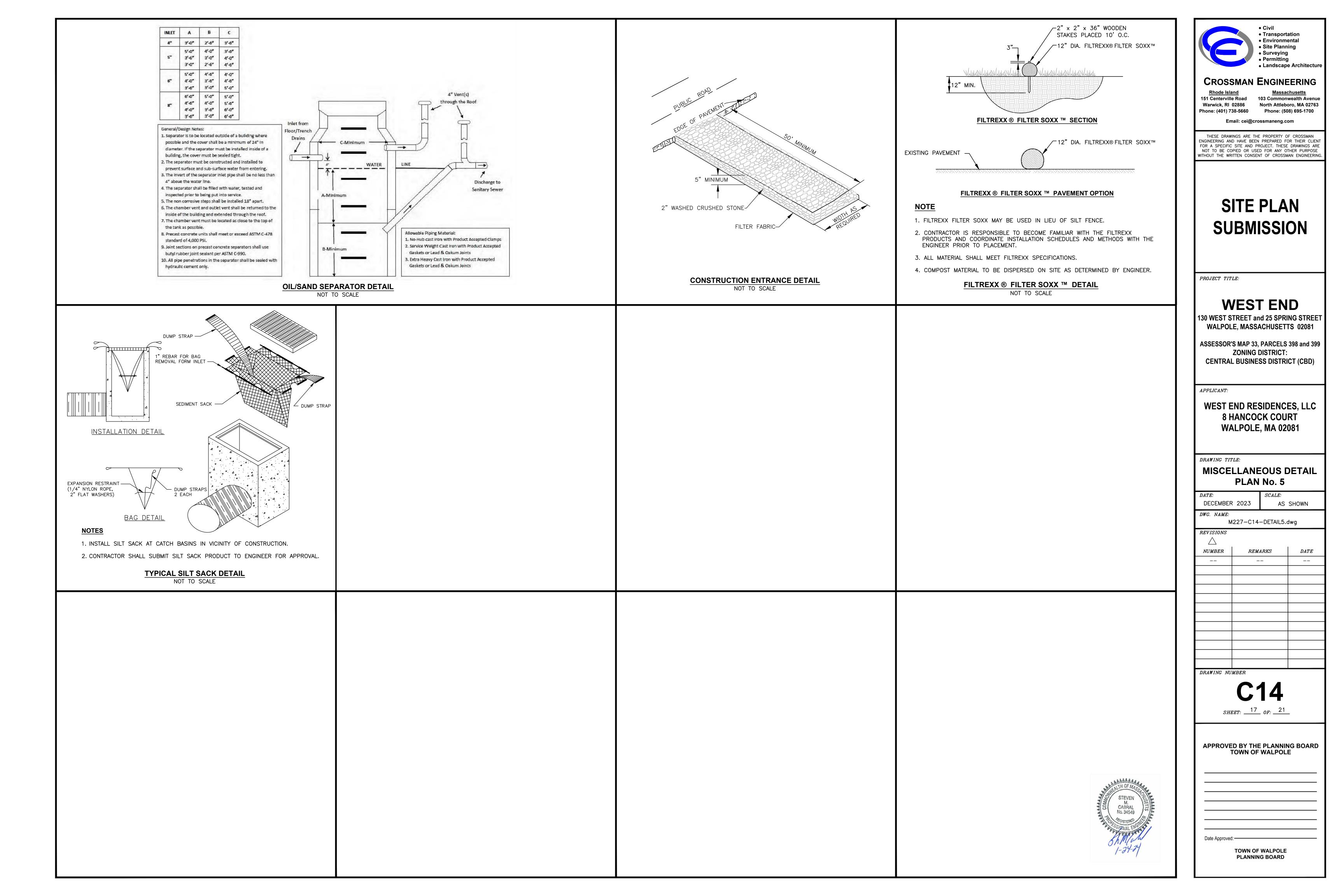
NUMBER	REMARKS	DATE

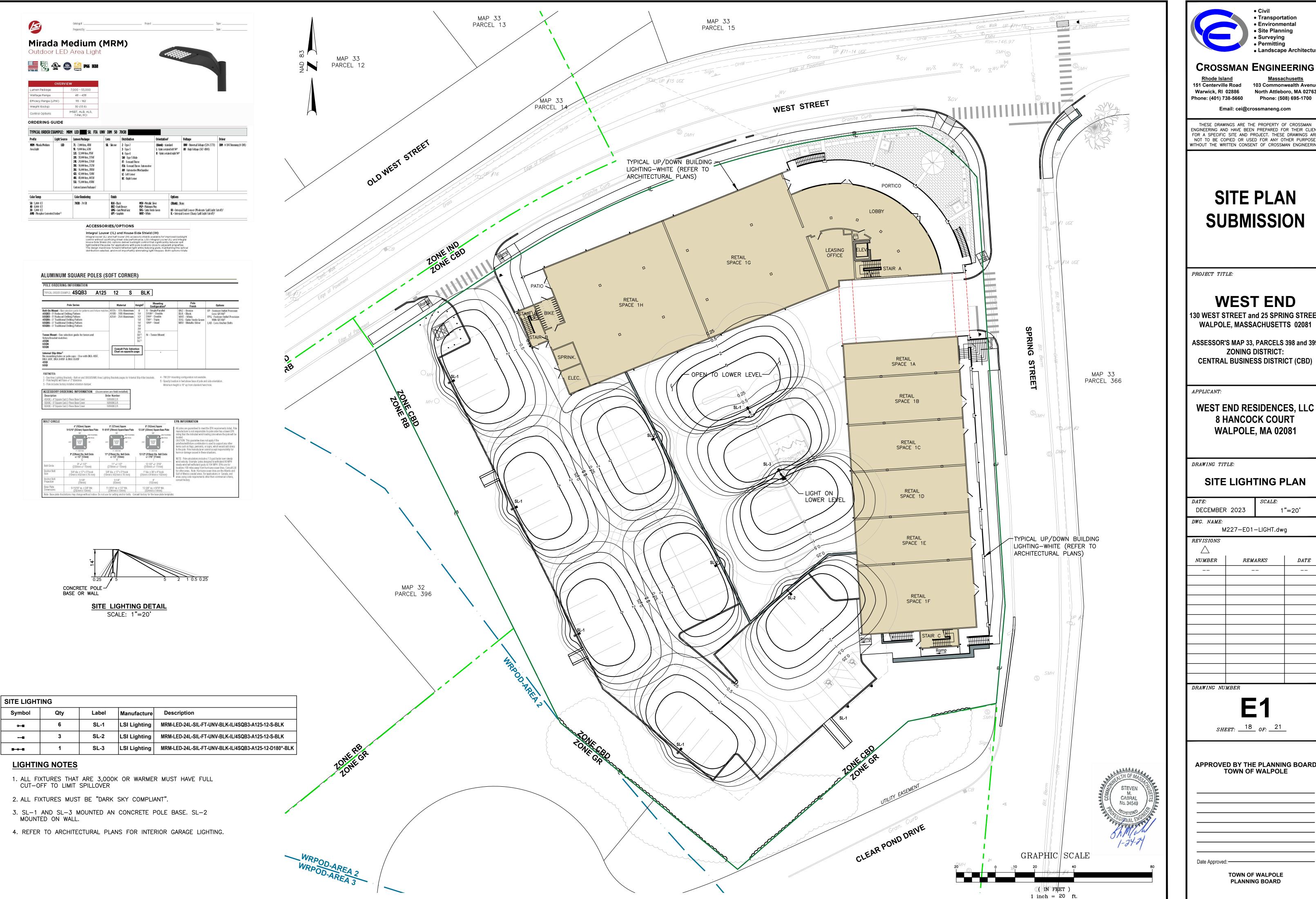
DRAWING NUMBER

Date Approved: —

SHEET: 16 OF: 21

APPROVED BY THE PLANNING BOARD **TOWN OF WALPOLE**







 Transportation Environmental • Site Planning Surveying Permitting

Landscape Architecture

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SITE PLAN **SUBMISSION**

PROJECT TITLE:

WEST END

130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

ASSESSOR'S MAP 33, PARCELS 398 and 399 **ZONING DISTRICT: CENTRAL BUSINESS DISTRICT (CBD)**

APPLICANT:

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

DRAWING TITLE:

SITE LIGHTING PLAN

SCALE: DECEMBER 2023 1"=20" DWG. NAME: M227-E01-LIGHT.dwg REVISIONS

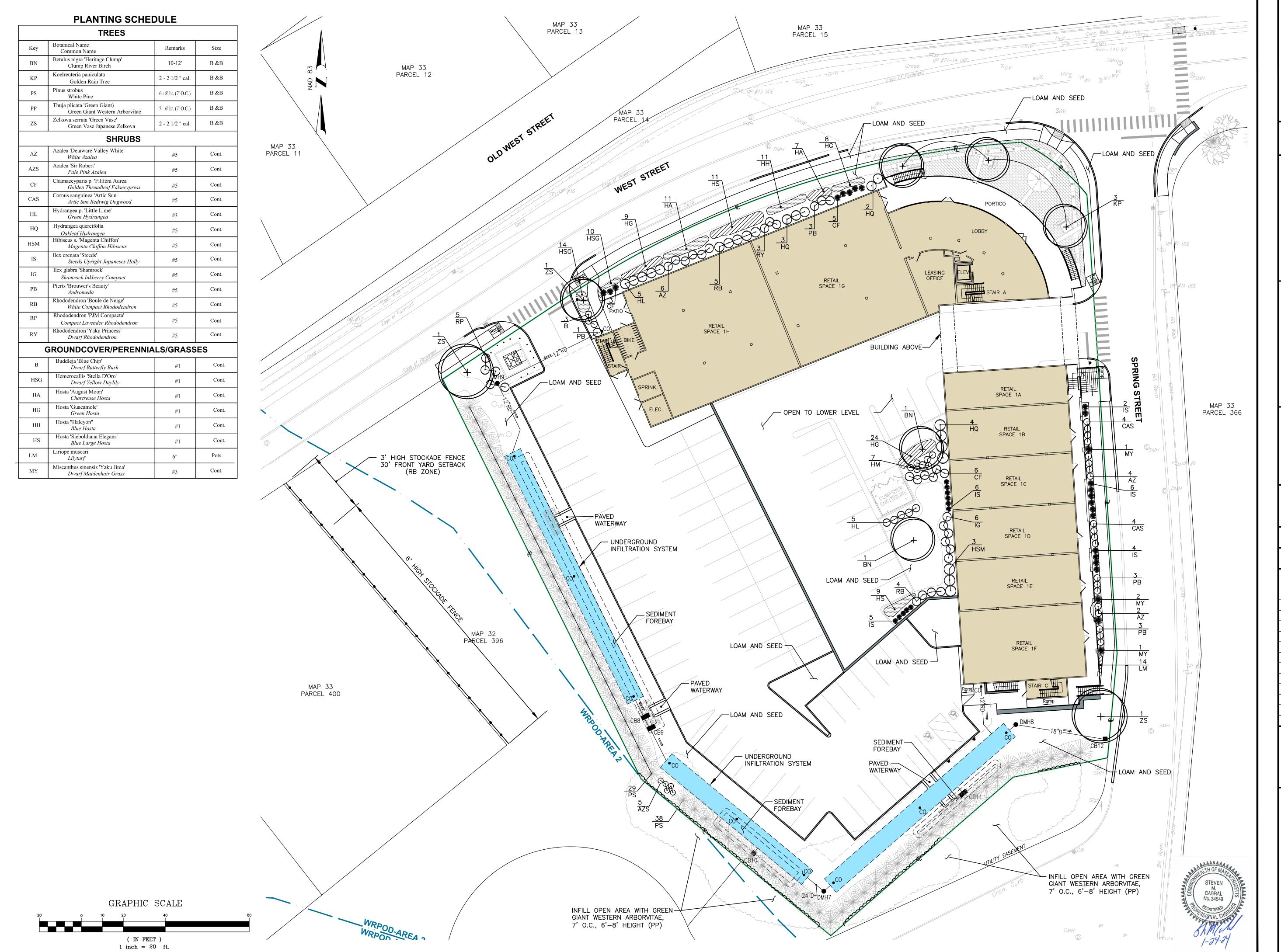
NUMBERREMARKS DATE----

DRAWING NUMBER

SHEET: 18 OF: 21

APPROVED BY THE PLANNING BOARD TOWN OF WALPOLE

Date Approved: **TOWN OF WALPOLE PLANNING BOARD**





 Transportation Environmental Site Planning Surveying Landscape Architecture

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SITE PLAN **SUBMISSION**

PROJECT TITLE:

WEST END

130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

ASSESSOR'S MAP 33, PARCELS 398 and 399 **ZONING DISTRICT: CENTRAL BUSINESS DISTRICT (CBD)**

APPLICANT:

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

DRAWING TITLE:

LANDSCAPE PLAN

SCALE: DECEMBER 2023 1"=20' DWG. NAME: M227-L01-LAND.dwg

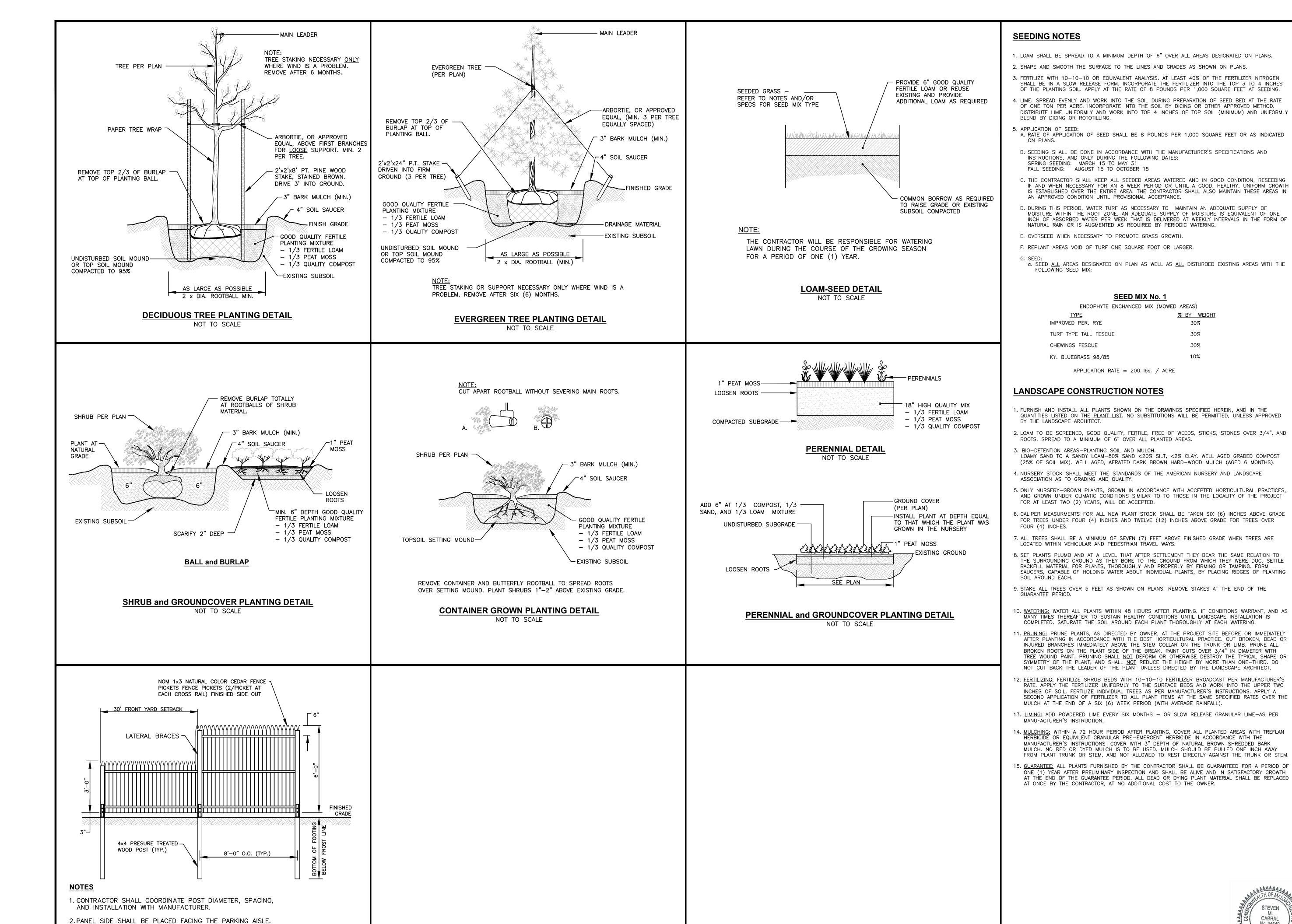
REVISIONS NUMBERREMARKS DATE----

DRAWING NUMBER

Date Approved: ———

SHEET: 19 OF: 21

APPROVED BY THE PLANNING BOARD TOWN OF WALPOLE



3. FINAL FENCE TYPE AND COLOR SHALL BE APPROVED BY

STOCKADE FENCE DETAIL NOT TO SCALE

THE OWNER PRIOR TO ORDERING.



SEED MIX No. 1

ENDOPHYTE ENCHANCED MIX (MOWED AREAS)

% BY WEIGHT

30%

30%

30% 10% Civil Transportation Environmental Site Planning Surveying

Permitting Landscape Architecture

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PROJECT TITLE:

WEST END

130 WEST STREET and 25 SPRING STREET WALPOLE, MASSACHUSETTS 02081

ASSESSOR'S MAP 33, PARCELS 398 and 399 **ZONING DISTRICT: CENTRAL BUSINESS DISTRICT (CBD)**

APPLICANT:

WEST END RESIDENCES, LLC 8 HANCOCK COURT WALPOLE, MA 02081

DRAWING TITLE:

DECEMBER 2023

LANDSCAPE DETAIL PLAN

SCALE:

AS SHOWN

DWG. NAME:		
M	227-L02-LNDET.dw	'g
REVISIONS		
\triangle		
NUMBER	REMARKS	DATE

DRAWING NUMBER

SHEET: 20 OF: 21

APPROVED BY THE PLANNING BOARD TOWN OF WALPOLE

Date Approved: ——

PARALA

STEVEN

CABRAL No. 34549

