APPROVED UNDER ZBL SECTION 8.1 SENIOR HOUSING AND ZBL SECTION 10.6 SITE PLAN REVIEW HOLBROOK PLANNING BOARD

DATE

NO APPEAL HAS BEEN RECEIVED DURING THE TWENTY DAYS AFTER RECEIPT OF RECORDING OF

PREPARED BY:



300 Brickstone Square Andover, Massachusetts 01810

617-896-4300

ARCHITECT:



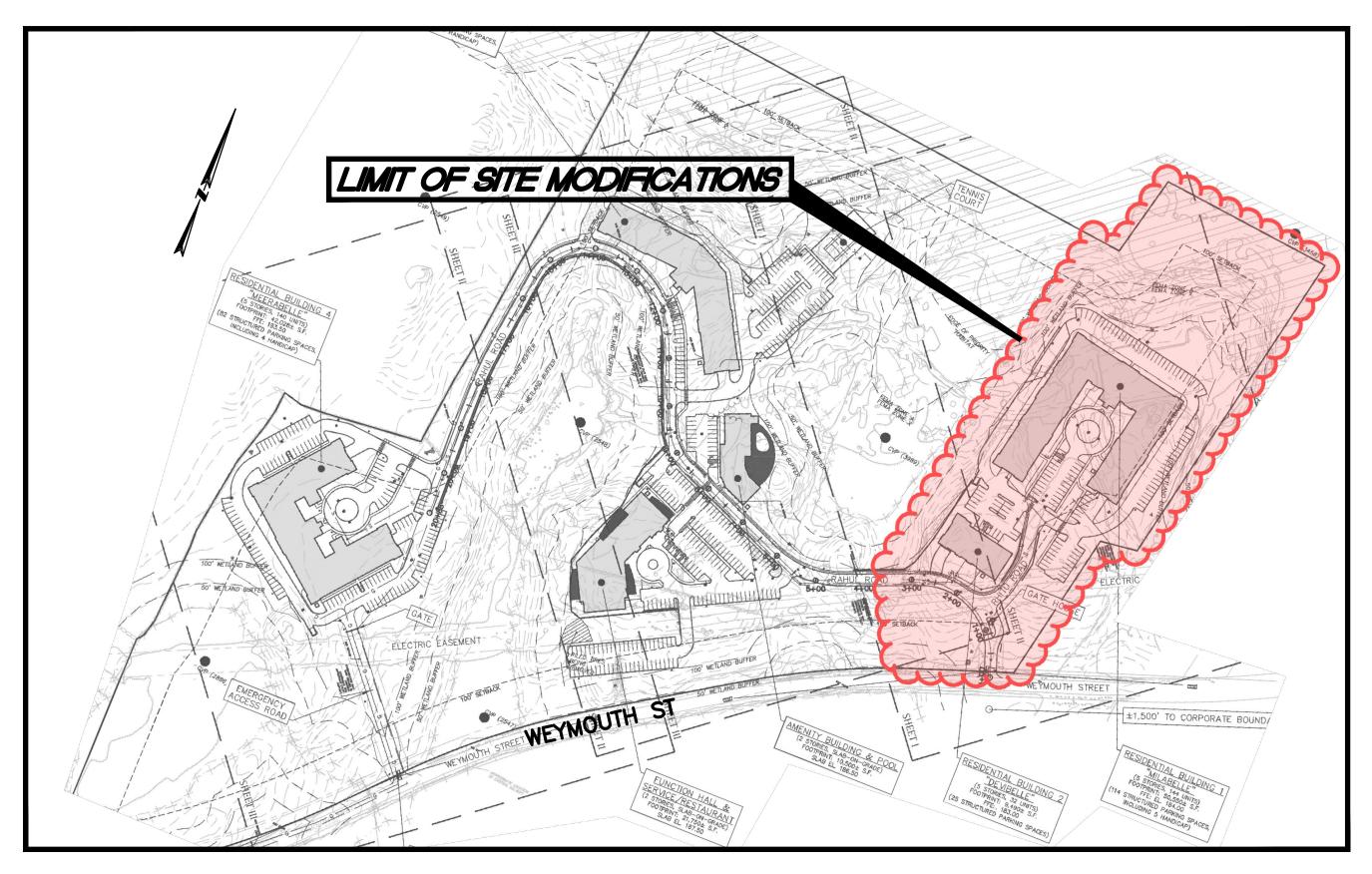
1 Richmond Square, STE 100K Providence, Rhode Island 02096 T: 401-861-7139

THE ARCADIA

AN AGE RESTRICTED DEVELOPMENT

HOLBROOK, MASSACHUSETTS (NORFOLK COUNTY)

JULY 11, 2022



LOCUS MAP

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ISSUED FOR PERMITTING

THIS PLAN SET IS INTENDED FOR USE ASSOCIATED WITH PERMIT APPLICATIONS ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION WITHOUT FURTHER COORDINATION, SPECIFICATION AND DETAIL.

NOT FOR CONSTRUCTION

PREPARED FOR OWNER/APPLICANT: Dakota Partners

235 Bear Hill Road, Suite 400 Waltham, MA 02451



EXISTING PROPOSED **ACRES** BK BOOK BITUMINOUS CONCRETE BIT CONC BIT CONC (C) CABLE MANHOLE CATCH BASIN CONC CONCRETE DRAIN MANHOLE ELECTRIC HANDHOLE **ELECTRIC MANHOLE** GAS GATE GRANITE CURB HANDHOLE HYDRANT LIGHT POLE MANHOLE NOW OR FORMERLY PAGE PEDESTRIAN SIGNAL RIM ELEVATION SEWER MANHOLE SBC SLOPED BITUMINOUS CURB SGC SLOPED GRANITE CURB SIGN SQ. FT. SQUARE FEET 1 TELEPHONE MANHOLE TOB TOP OF BELL \boxtimes TRAFFIC CONTROL BOX TRAFFIC SIGNAL \mathbb{W} WATER GATE WATER LINE ____ w ____ ____ w ____ TELEPHONE LINE DRAIN LINE ____ D ____ ____ D ____ SEWER LINE ____s ___ ____s ___ SEWER FORCE MAIN _____ FM _____ GAS LINE ____ G ____ ELECTRIC LINE —— UGE —— ____E ___ —— OHE —— OVERHEAD WIRE —— OHW ——— CABLE TELEVISION CONDUIT CHAIN LINK FENCE ELEC/TEL/CABLE ____ CTV____ VERTICAL GRANITE CURB MODIFIED CAPE COD BERM BUILDING OVERHANG ACCESSIBLE PARKING MINOR CONTOUR MAJOR CONTOUR NUMBER OF PARKING SPACES WETLAND DELINEATION RETAINING WALL GUARD RAIL .0000000000000 STONE WALL

GENERAL EROSION CONTROL NOTES:

- 1. THE PROPOSED PROJECT IS A PORTION OF AN EXISTING PROJECT THAT IS CURRENTLY PERMITTED BY A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT (NPDES) FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) UNDER THE 2022 CONSTRUCTION GENERAL PERMIT (CGP). THE APPLICANT WILL BE RESPONSIBLE FOR ADHERING TO THE GUIDELINES AND POLICIES OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE EXISTING PROJECT SITE. THE SITE CONTRACTOR AND ALL SUBCONTRACTORS ARE RESPONSIBLE FOR FOLLOWING THE CONDITIONS OF THE CGP AND SWPPP.
- 2. SEDIMENT BASINS TO BE APPROPRIATELY SIZED AND LOCATED/RELOCATED BY THE CONTRACTOR DURING EARTHWORK OPERATIONS.
- 3. THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND SEDIMENTATION CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE INCLUDING CONSTRUCTING ENTRANCES AND PERIMETER SEDIMENT CONTROLS. SILT WILL NOT BE ALLOWED BEYOND CONSTRUCTION LIMITS.
- 4. EROSION CONTROL SHALL, AT MINIMUM, BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ADDITIONAL EROSION CONTROLS AS NECESSARY.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY BUILDUP OF SEDIMENT WHICH ESCAPES FROM THE SITE.
- 6. CONTRACTOR IS RESPONSIBLE FOR CLEANING SILT AND DEBRIS OUT OF ALL STORM DRAINAGE STRUCTURES UPON THE COMPLETION OF CONSTRUCTION.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION CONTROL MEASURES AFTER CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY FINES LEVIED AGAINST THE
- SITE FOR VIOLATIONS OF EROSION CONTROL REGULATIONS.

 9. CONTRACTOR SHALL STABILIZE ALL AREAS WITH EXPOSED SOIL WHICH WILL NOT BE DISTURBED BY GRADING OPERATIONS FOR A PERIOD OF 14 DAYS OR MORE IN ACCORDANCE WITH THE SWPPP. IF WORK ON THIS PROJECT IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL

EROSION AND SEDIMENTATION CONTROL FACILITIES IN GOOD CONDITION DURING THE SUSPENSION OF

- 10. SPRINKLE OR APPLY DUST SUPPRESSERS TO KEEP DUST WITHIN TOLERABLE LIMITS AT THE CONSTRUCTION SITE.
- 11. SILT SACS SHALL BE INSTALLED IN ALL CATCH BASINS, WITH PERIODIC CLEANING AND/OR REPLACING OF THE FILTER FABRIC, WHEN NECESSARY, THROUGHOUT THE DURATION OF THE CONSTRUCTION.

DURING CONSTRUCTION

- 1. THE CONTRACTOR SHALL INSPECT THE SITE IN ACCORDANCE WITH THE SWPPP, AND AT A MINIMUM OF ONCE A WEEK TO INSURE THAT EROSION OF SLOPES, STOCKPILES, ETC, ARE NOT OCCURRING. IN INSTANCES WHERE EROSION IS OBSERVED, SILT FENCE/HAYBALES SHOULD BE INSTALLED DOWN GRADIENT OF ERODING AREAS. APPROPRIATE REPAIRS TO THE SEDIMENT CONTROLS WILL BE MADE AS NECESSARY.
- 2. INSTALL SILT SACS UNDER ALL CATCH BASIN RIMS. SILT SACS SHOULD BE INSPECTED ONCE A WEEK AND WITHIN 24 HOURS OF A 1/4 INCH OR GREATER RAIN STORM EVENT TO INSURE THAT DAMAGE TO THE SILT SACS HAS NOT OCCURRED. APPROPRIATE REPAIRS TO THE FILTER FABRIC WILL BE MADE AS NECESSARY.
- 3. CONSTRUCTION ENTRANCES SHALL BE INSPECTED WEEKLY AND AFTER HEAVY RAINS OR HEAVY USE. THE CONSTRUCTION ENTRANCE SHALL BE TOP DRESSED WITH NEW STONE ONCE THE ENTRANCE BECOMES COMPLETELY CLOGGED WITH MUD AND SOIL PARTICLES.
- I. SEDIMENT BEHIND PERIMETER SEDIMENT CONTROLS MUST BE REMOVED ONCE SEDIMENT REACHES A LEVEL OF DEPOSITION EQUAL TO HALF THE HEIGHT OF THE BARRIER.

FOLLOWING CONSTRUCTION (OWNER'S RESPONSIBILITY)

- CATCH BASINS SHALL BE INSPECTED FOUR TIMES A YEAR AND CLEANED TWICE PER YEAR (AT A MINIMUM). CLEANING SHOULD OCCUR IN THE EARLY SPRING FOLLOWING SNOWMELT.
- WATER QUALITY UNITS SHOULD BE INSPECTED FOUR TIMES A YEAR AND CLEANED TWICE PER YEAR (AT A MINIMUM). CLEANING SHOULD OCCUR IN THE EARLY SPRING FOLLOWING SNOWMELT.
- 3. WATER QUALITY UNITS SHOULD BE CLEANED IMMEDIATELY FOLLOWING ANY SPILL OF HAZARDOUS MATERIALS.
- 4. CLEANING OF CATCH BASINS AND WATER QUALITY UNITS SHOULD BE PERFORMED BY A VACUUM TRUCK AND MATERIALS REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- 5. SUBSURFACE INFILTRATION SYSTEMS SHOULD BE INSPECTED AFTER EVERY MAJOR STORM FOR THE FIRST THREE MONTHS FOLLOWING CONSTRUCTION. SUBSEQUENTLY, THESE SYSTEMS SHOULD BE INSPECTED ANNUALLY.
- 6. NATURAL STORMWATER FEATURES SHALL BE INSPECTED AND CLEANED TWICE PER YEAR FOR TRASH AND SEDIMENT (AT A MINIMUM). CLEANING SHOULD OCCUR IN THE EARLY SPRING FOLLOWING SNOWMELT. CLEANING SHOULD BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

SITE PREPARATION AND DEMOLITION:

- 1. AREAS OUTSIDE THE LIMIT OF WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER. ALL AREAS DISTURBED DURING CONSTRUCTION NOT COVERED WITH BUILDINGS, STRUCTURES, OR PAVEMENTS SHALL RECEIVE SIX INCHES OF LOAM AND SEED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- 2. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. ALL CONSTRUCTION ACTIVITY SHALL BE IN ACCORDANCE WITH OSHA REGULATIONS AND LOCAL & STATE REQUIREMENTS.
- 3. ALL MATERIALS ARE TO BE DISPOSED OF PER APPLICABLE LAWS AND REGULATIONS.
- 4. WHERE EXISTING PAVEMENT TO BE REMOVED MEETS EXISTING PAVEMENTS TO REMAIN, CONTRACTOR IS TO SAWCUT A STRAIGHT LINE UNLESS INDICATED OTHERWISE. ADDITIONALLY, EXISTING PAVEMENT IS TO BE SAWCUT, AS NECESSARY, FOR ALL PROPOSED UTILITY CONNECTIONS WITHIN THE RIGHT—OF—WAY.
- 5. ALL WORK SHALL CONFORM TO STANDARD SPECIFICATIONS & DETAILS OF THE TOWN OF HOLBROOK AND, "CONSTRUCTION STANDARDS" OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASS DOT) HIGHWAY DIVISION, LATEST EDITION, AND THESE CONTRACT DOCUMENTS
- 6. ALL EXISTING REMAINING UTILITIES SHALL BE PROTECTED, UNLESS NOTED OTHERWISE.
- 7. ALL EXISTING UTILITY STRUCTURES, CONDUITS, AND APPURTENANCES OF ANY KIND SHALL BE COMPLETELY REMOVED WITHIN THE LIMITS OF EXCAVATION FOR NEW BUILDINGS, UNLESS NOTED OTHERWISE ON THE DRAWINGS. OUTSIDE THE LIMITS OF EXCAVATION FOR NEW BUILDINGS, ALL ABANDONED AND TO—BE—ABANDONED UTILITIES GREATER THAN 8 INCHES IN DIAMETER SHALL BE SEALED BY FILLING WITH HIGH SLUMP CONCRETE (FLOWABLE FILL) AT THE LIMIT OF EXCAVATION. ALL UTILITY STRUCTURES TO BE REMOVED SHALL HAVE THE ASSOCIATED PIPES REMOVED TO A DISTANCE OF 15 FEET FROM THE STRUCTURE AND SEALED.
- 8. A PRECONSTRUCTION MEETING IS REQUIRED WITH APPLICABLE TOWN REPRESENTATIVES PRIOR TO THE COMMENCEMENT OF SITE WORK.

GENERAL CONSTRUCTION NOTES:

- 1. ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO STANDARD SPECIFICATIONS & DETAILS OF THE TOWN OF HOLBROOK AND, "CONSTRUCTION STANDARDS" OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASS DOT) HIGHWAY DIVISION, LATEST EDITION, AND THESE CONTRACT DOCUMENTS.
- 2. FILL MATERIALS PLACED UNDER PROPOSED DRIVEWAYS, LOADING DOCKS AND PARKING AREAS SHALL MEET THE FILL MATERIAL GRADATION AND COMPACTION REQUIREMENTS OF THE PROJECT PLANS AND SPECIFICATIONS.
- 3. UNLESS OTHERWISE INDICATED, CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- 4. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS.
- 5. ALL ACCESSIBLE PARKING SPACES, WALKWAYS AND PUBLIC BUILDING ENTRANCES ARE TO BE IN COMPLIANCE WITH THE COMMONWEALTH OF MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) REGULARIONS (521 CMR) AND THE AMERICAN'S WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION. FOR ANY DISCREPANCIES OR CLARIFICATION THE CONTRACTOR IS TO CONTACT THE ENGINEER.
- 6. CONTRACTOR TO CONSTRUCT ALL PEDESTRIAN WAYS IN ACCORDANCE WITH ADA/AAB STANDARDS.
- 7. ALL CURB RADII SHALL BE AS NOTED.
- 8. ALL EXISTING PAVEMENT IN THE VICINITY OF THE PROPOSED WORK IS TO BE RESTORED, IF DAMAGED, AT NO ADDITIONAL COST TO THE OWNER. ALL PAVEMENT WORK SHALL BLEND WITH EXISTING PAVEMENT WITH SAWCUTS AND EMULSION APPLIED TO ALL CUT SURFACES.
- 9. ALL SITE PAVEMENT MARKINGS TO COMPLY WITH MUTCD STANDARDS.
- 10. INTERIOR DUMPSTERS, IF ANY, WILL REQUIRE A PERMIT PER 527 CMR 34.03.
- 11. CONTRACTOR TO PROVIDE FULL AS-BUILT PLAN OF UTILITY WORK PRIOR TO FINAL PAYMENT. AS-BUILT PLANS SHOULD BE SUBMITTED ON MYLAR UPON COMPLETION OF PROJECT.

UTILITY NOTES:

- 1. LOCATIONS OF UTILITIES AS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON—SITE COORDINATION WITH UTILITY COMPANIES AND PUBLIC AGENCIES AND FOR OBTAINING ALL REQUIRED PERMITS AND PAYING ALL REQUIRED FEES. IN ACCORDANCE WITH M.G.L., CHAPTER 82, SECTION 40, INCLUDING AMENDMENTS; CONTRACTORS SHALL NOTIFY ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING PRIOR TO SUCH EXCAVATION. CONTRACTOR SHALL ALSO CALL "DIG SAFE" AT 1(888)344—7233 NO LESS THAN 72 HOURS (EXCLUSIVE OF SATURDAYS, SUNDAYS AND HOLIDAYS TO SUCH EXCAVATION. DOCUMENTATION OF REQUESTS SHALL BE PROVIDED TO PROJECT REPRESENTATIVE PRIOR TO EXCAVATION WORK.
- 2. EXISTING UTILITIES ARE A COMPILATION OF ON THE GROUND SURVEY AND DIGITIZED INFORMATION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES TO FIELD LOCATE EXISTING UTILITIES. CONTRACTOR TO CONDUCT TEST PITS, AS NEEDED, TO LOCATE EXISTING UTILITIES. ALL LOCATION WORK TO BE CONDUCTED PRIOR TO CONSTRUCTION AND COORDINATED WITH THE ENGINEER.
- 3. FINAL DESIGN OF PRIVATE UTILITIES INCLUDING GAS, ELECTRIC, COMMUNICATIONS AND TELEPHONE SHALL BE PROVIDED BY THE APPROPRIATE UTILITY COMPANY. THE DRY UTILITIES SHOWN HERE ARE SHOWN FOR GENERAL COORDINATION PURPOSES ONLY.
- 4. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND SHALL BE RESPONSIBLE FOR PAYING ANY FEES FOR THE ALTERATION OR ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, ETC. BY THE UTILITY COMPANY.
- 5. ALL UNDERGROUND STRUCTURES AND UTILITIES ARE TO BE CAPABLE OF WITHSTANDING HS-20 WHEEL LOADS.
- 6. MEP CONSULTANT/ENGINEER IS RESPONSIBLE FOR ALL CONNECTIONS WITHIN 10-FT OF ALL PROPOSED BUILDINGS.
- 7. RIM ELEVATIONS OF PROPOSED MANHOLES AND ASSOCIATED STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE PROPOSED FINISHED GRADES.
- 8. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE, INVERTS AND TYPES OF EXISTING PIPES AT ALL PROPOSED POINTS OF CONNECTION PRIOR TO ORDERING MATERIALS. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATIONS AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT.
- 9. CONTRACTOR TO VERIFY UTILITY CONNECTIONS TO BUILDING WITH ARCHITECTURAL AND MEP DRAWINGS.
- 10. INSTALL THRUST BLOCKS AT ALL TEES AND BENDS IN ALL WATERLINES AND SEWER FORCE MAINS.
- 11. ALL DRAINAGE STRUCTURES TO BE CLEANED AT COMPLETION OF THE PROJECT.
- 12. WATER METERS TO BE INSTALLED IN AN UN-OBSTRUCTED AND EASILY ACCESSIBLE LOCATION.
- 13. ALL PROPOSED ONSITE WATERMAINS ARE TO BE PRESSURE TESTED AND BACTERIA TESTED IN ACCORDANCE WITH TOWN OF HOLBROOK RULES AND REGULATIONS.
- 14. ALL PROPOSED SEWER MAINS AND STRUCTURES ARE TO BE PRESSURE TESTED AND VACUUM TESTED IN ACCORDANCE WITH THE TOWN OF HOLBROOK RULES AND REGULATIONS.
- 15. THE CONTRACTOR SHALL SUBMIT AN AS-BUILT OF ALL UNDERGROUND UTILITIES, INCLUDING TELEPHONE, ELECTRIC, GAS, WATER, SEWER, AND STORM DRAINAGE TO THE OWNER. THE AS-BUILT SHALL INCLUDE HORIZONTAL AND VERTICAL TIES FROM ANY HANDHOLES, MANHOLES, VALVES, GATES, CLEANOUTS, TEES, ELBOWS, BENDS, ETC. TO FIXED POINTS OF REFERENCE.
- 16. FLOOR DRAINS OF INTERIOR PARKING AREA TO BE DISCHARGED TO MUNICIPAL SEWER THROUGH AN APPROVED OIL WATER SEPARATOR.

EARTHWORK/GRADING NOTES:

- 1. RIM ELEVATIONS OF PROPOSED MANHOLES AND ASSOCIATED STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE PROPOSED FINISHED GRADES.
- 2. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO EARTHWORK OPERATION AND MAINTAIN ALL EROSION CONTROL MEASURES AND SEEDED EMBANKMENTS DURING CONSTRUCTION. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH EPA'S NPDES PERMITTING FOR CONSTRUCTION ACTIVITIES, AS WELL ANY EROSION AND SEDIMENTATION CONTROL PERMIT ISSUED FOR THIS PROJECT.
- 3. THE CONTRACTOR SHALL GIVE FOURTY-EIGHT (48) HOUR NOTICE, OR AS REQUIRED BY PROJECT PERMITS, TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING WORK IN THE FIELD.

ORDER OF CONDITIONS:

1. THIS SITE IS SUBJECT TO AN ORDER OF CONDITIONS (TO BE ISSUED BY HOLBROOK CONSERVATION COMMISSION) WHICH IS MADE A PART OF THESE CONSTRUCTION DOCUMENTS BY REFERENCE.

APPROVED UNDER
ZBL SECTION 8.1 SENIOR HOUSING AN
ZBL SECTION 10.6 SITE PLAN REVIEW
HOLBROOK PLANNING BOARD

DATE

I, _____, CLERK OF THE TOWN OF HOLBROOK, MA, HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE TOWN OF HOLBROOK PLANNING BOARD WAS RECEIVED AND RECORDED ON _____ AT THE OFFICE, AND NO APPEAL HAS BEEN RECEIVED DURING THE TWENTY DAYS AFTER RECEIPT OF RECORDING OF SAID NOTICE.

ISSUED FOR PERMITTING NOT FOR CONSTRUCTION





JOSEPH J. WHITE PROFESSIONAL ENGINEER

7/8/2022

DATE

THE ARCADIA

WEYMOUTH STREET

HOLBROOK
MASSACHUSETTS
(NORFOLK COUNTY)

LEGEND AND NOTES

JULY 11, 2022

REV	ISIONS:		
NO.	DATE	DESC.	

PREPARED FOR:

DAKOTA PARTNERS

253 BEAR HILL ROAD, SUITE 400

WALTHAM, MA 02451



Andover, Massachusetts 01810

617 896 4300

SCALE: 1" = 40'

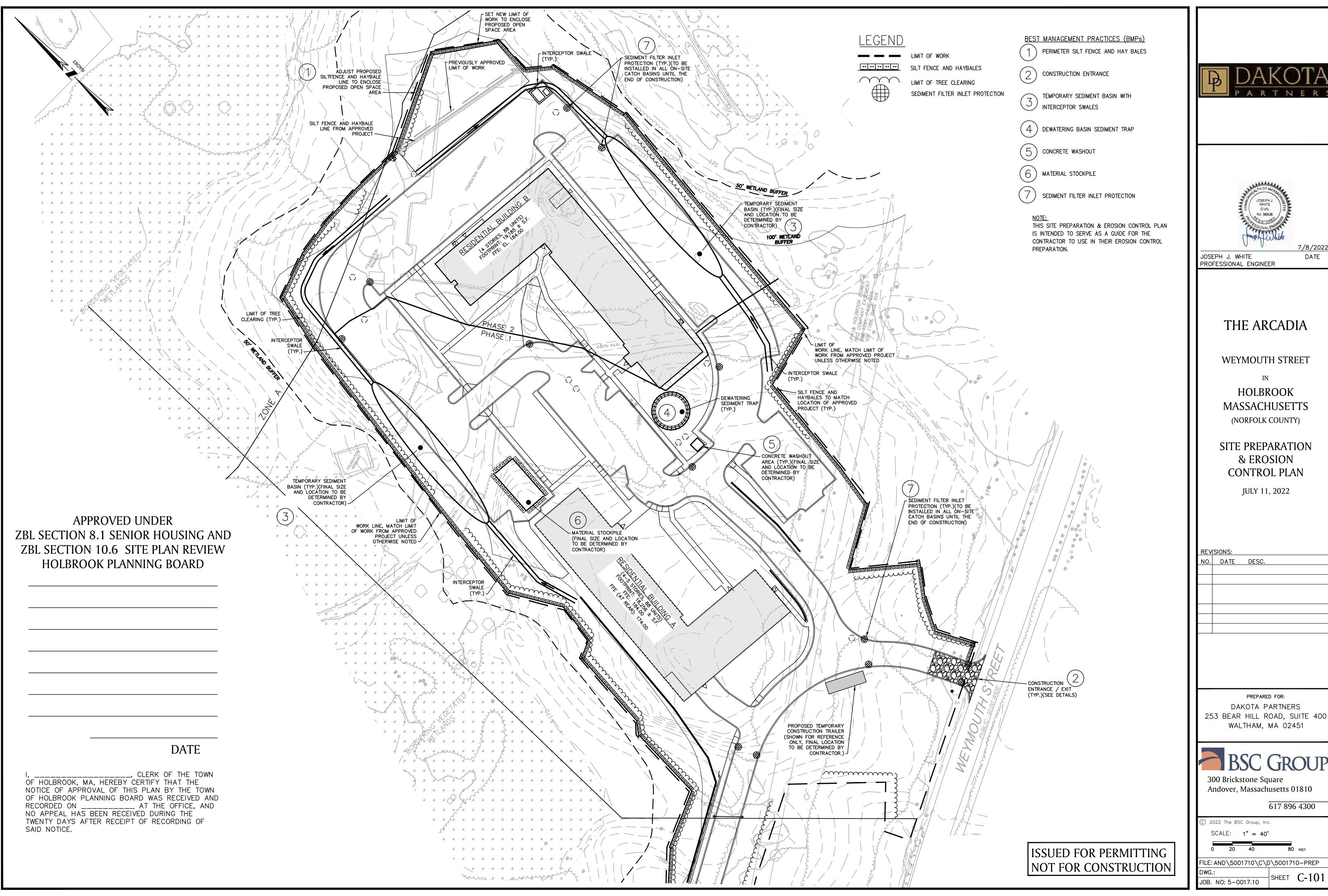
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JOB. NO: 5-0017.10

5-0017.10 SHEET

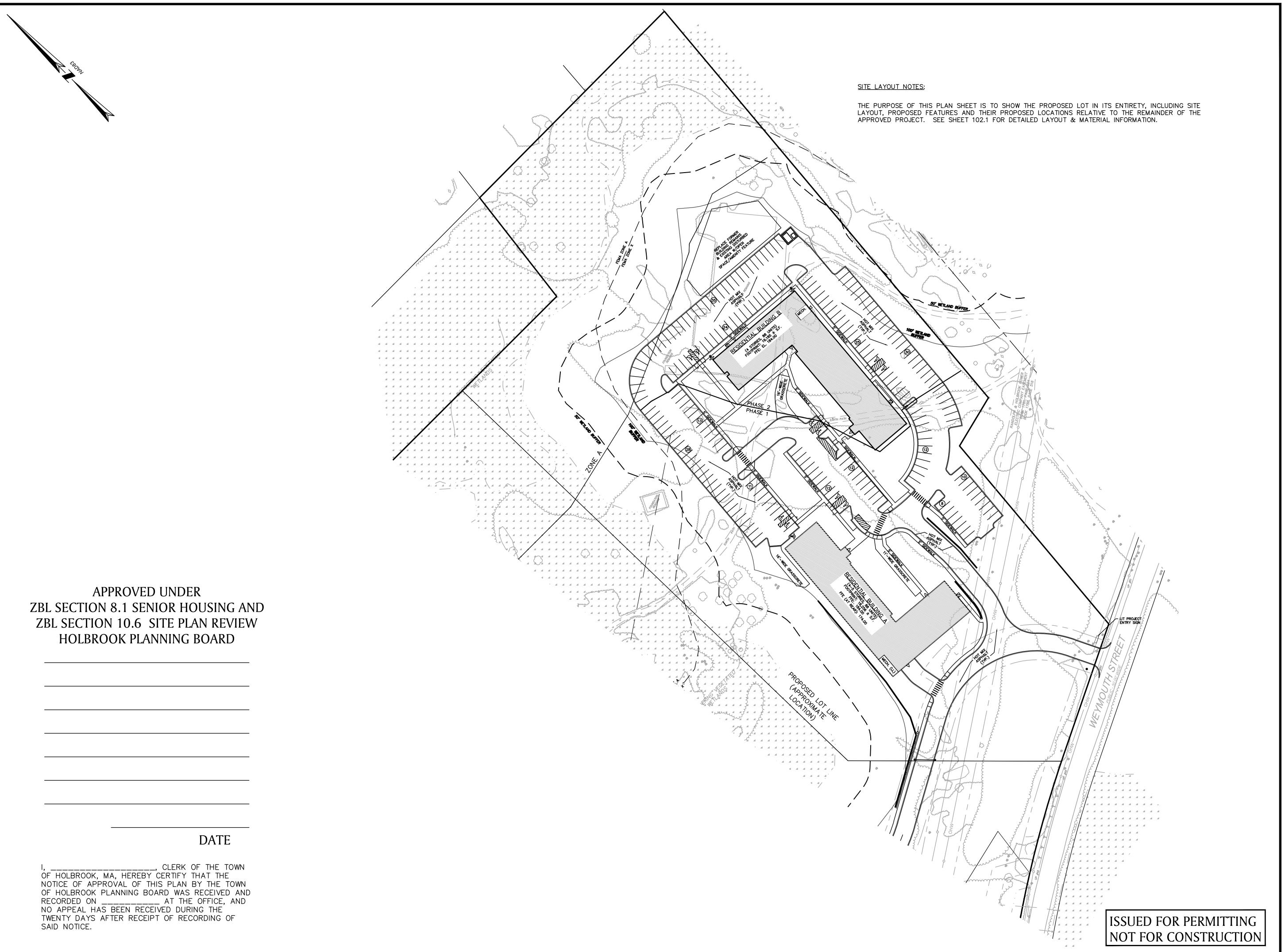
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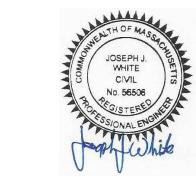


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<u>KF V</u>	ISIONS:			
10.	DATE	DESC.		
			·	









JOSEPH J. WHITE PROFESSIONAL ENGINEER

DATE

THE ARCADIA

WEYMOUTH STREET

HOLBROOK MASSACHUSETTS

(NORFOLK COUNTY)

LAYOUT & MATERIALS PLAN

JULY 11, 2022

REV	ISIONS:		
١٥.	DATE	DESC.	

PREPARED FOR:

DAKOTA PARTNERS

253 BEAR HILL ROAD, SUITE 400 WALTHAM, MA 02451



300 Brickstone Square Andover, Massachusetts 01810

617 896 4300

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SCALE: 1" = 60'

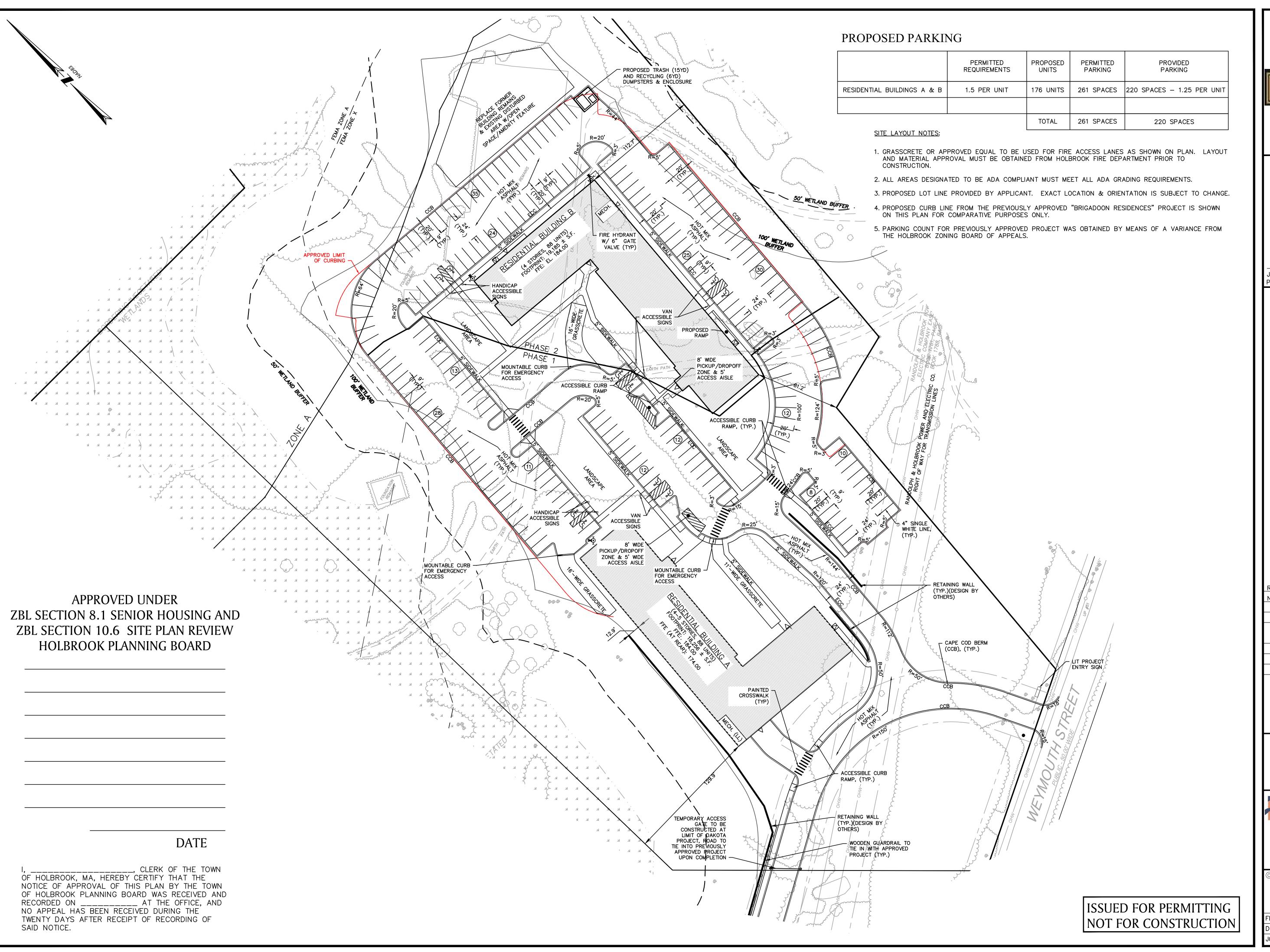
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DWG.:

JOB. NO: 5-0017.10

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JOSEPH J. WHITE PROFESSIONAL ENGINEER

THE ARCADIA

DATE

WEYMOUTH STREET

HOLBROOK **MASSACHUSETTS** (NORFOLK COUNTY)

LAYOUT & MATERIALS PLAN

JULY 11, 2022

REVISIONS:						
NO.	DATE	DESC.				

PREPARED FOR: DAKOTA PARTNERS 253 BEAR HILL ROAD, SUITE 400 WALTHAM, MA 02451



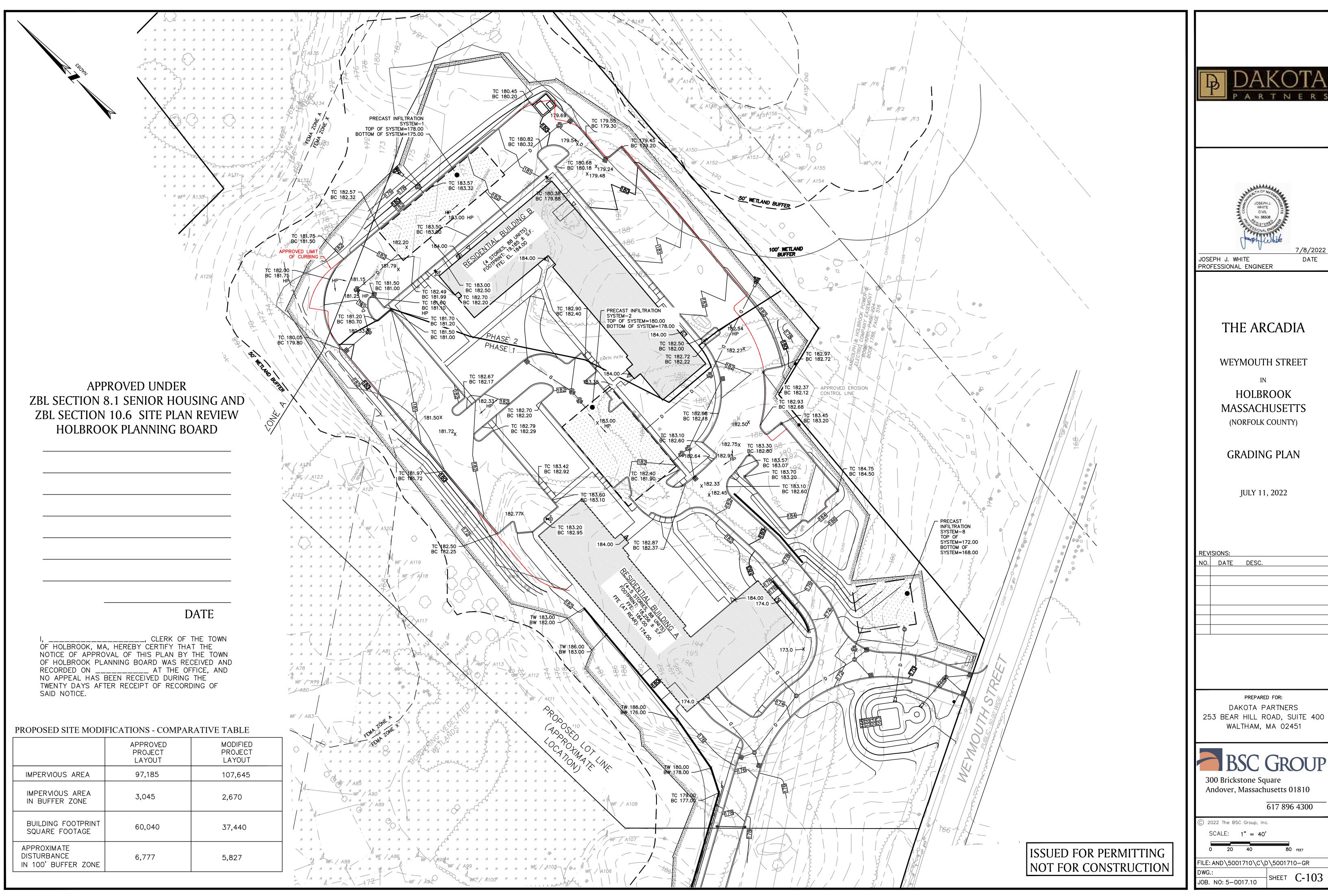
300 Brickstone Square Andover, Massachusetts 01810

617 896 4300

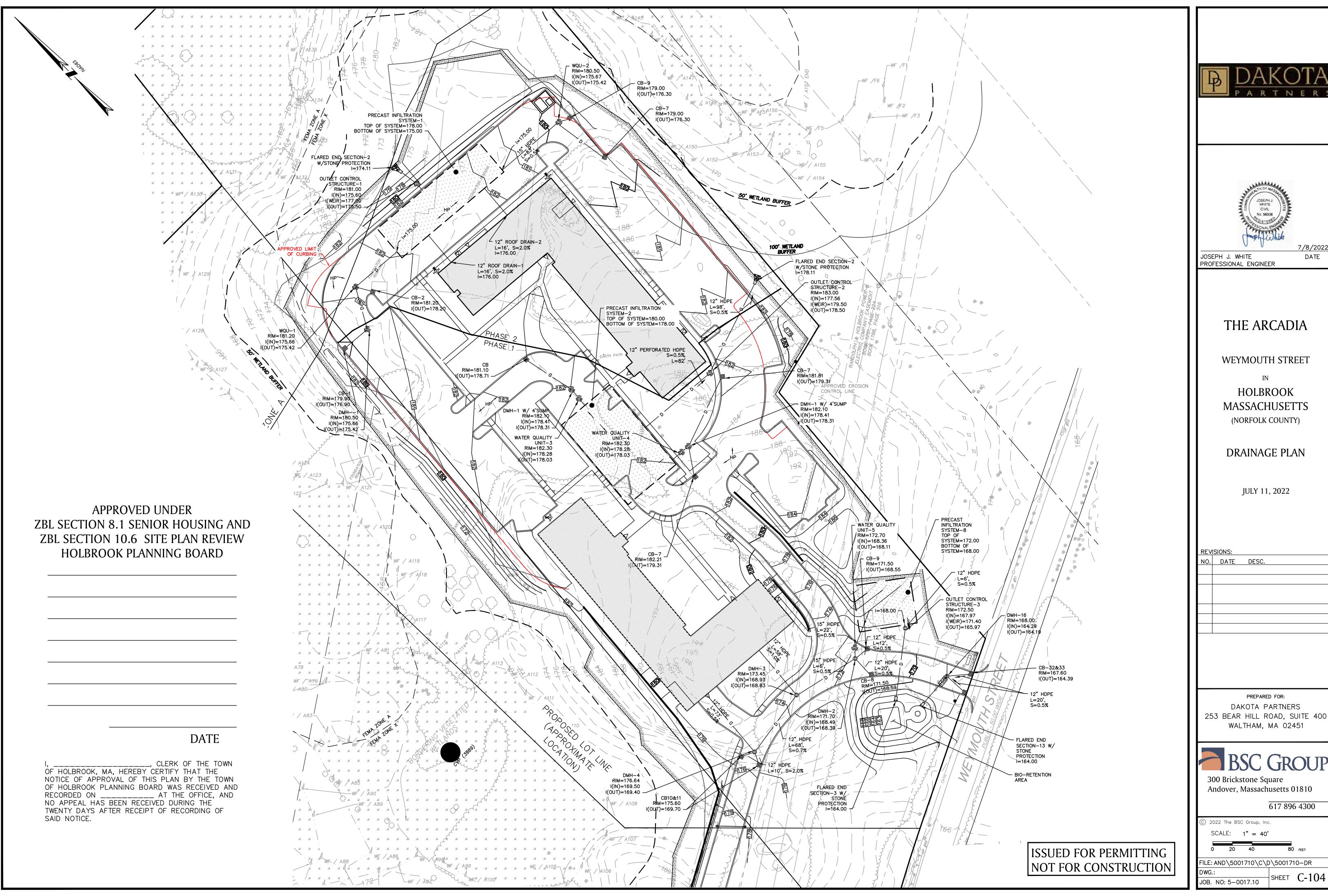
© 2022 The BSC Group, Inc. SCALE: 1" = 40'

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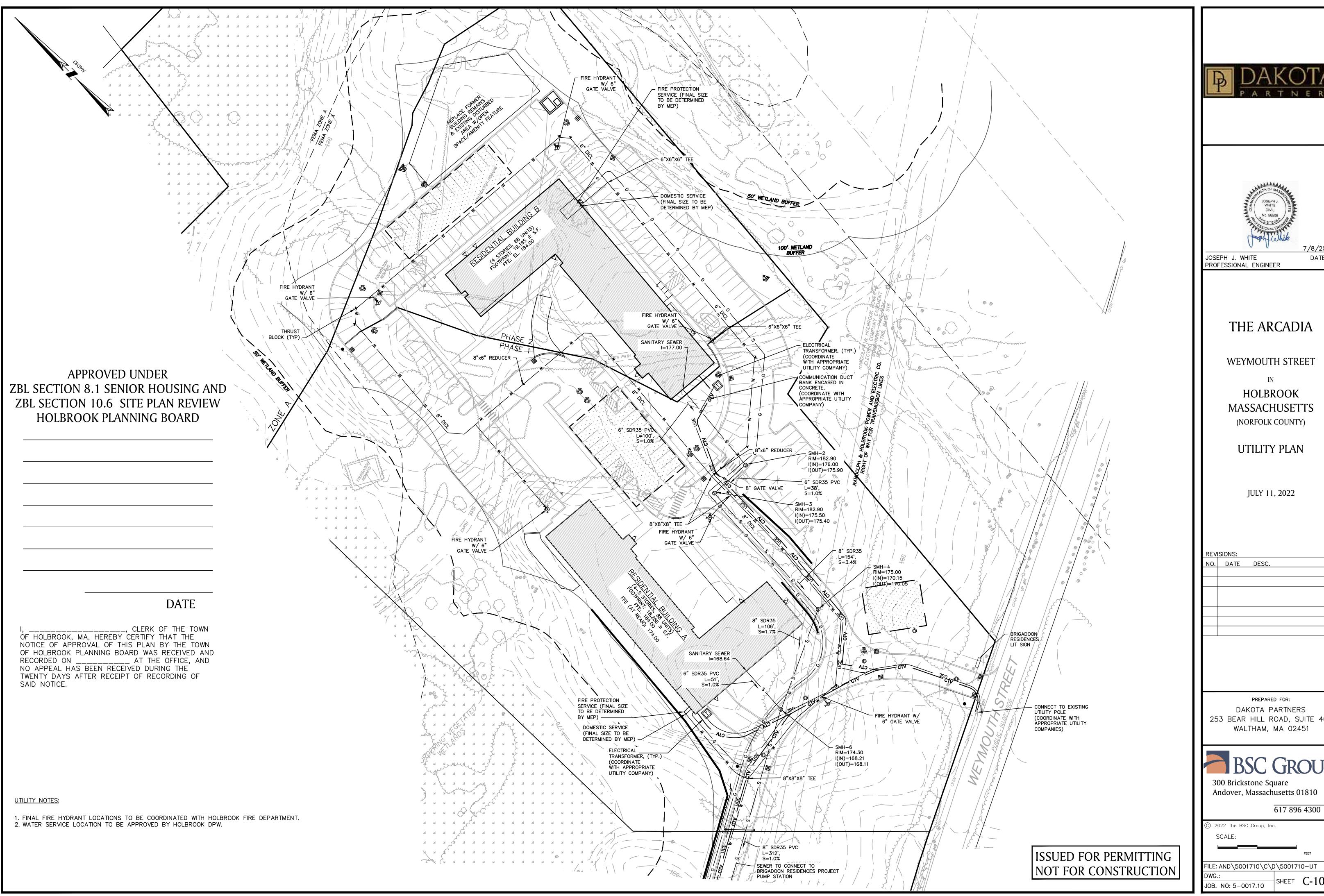








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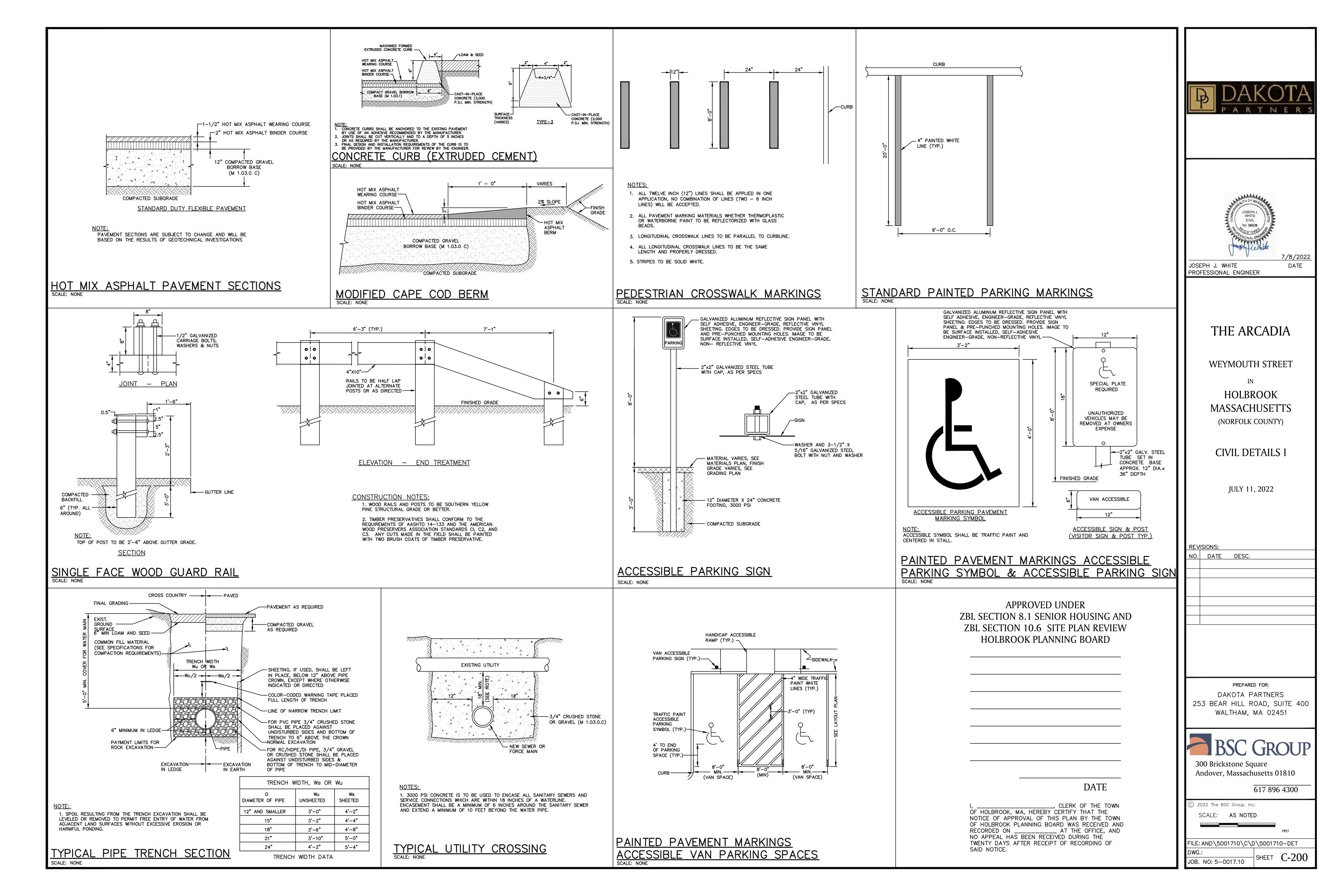


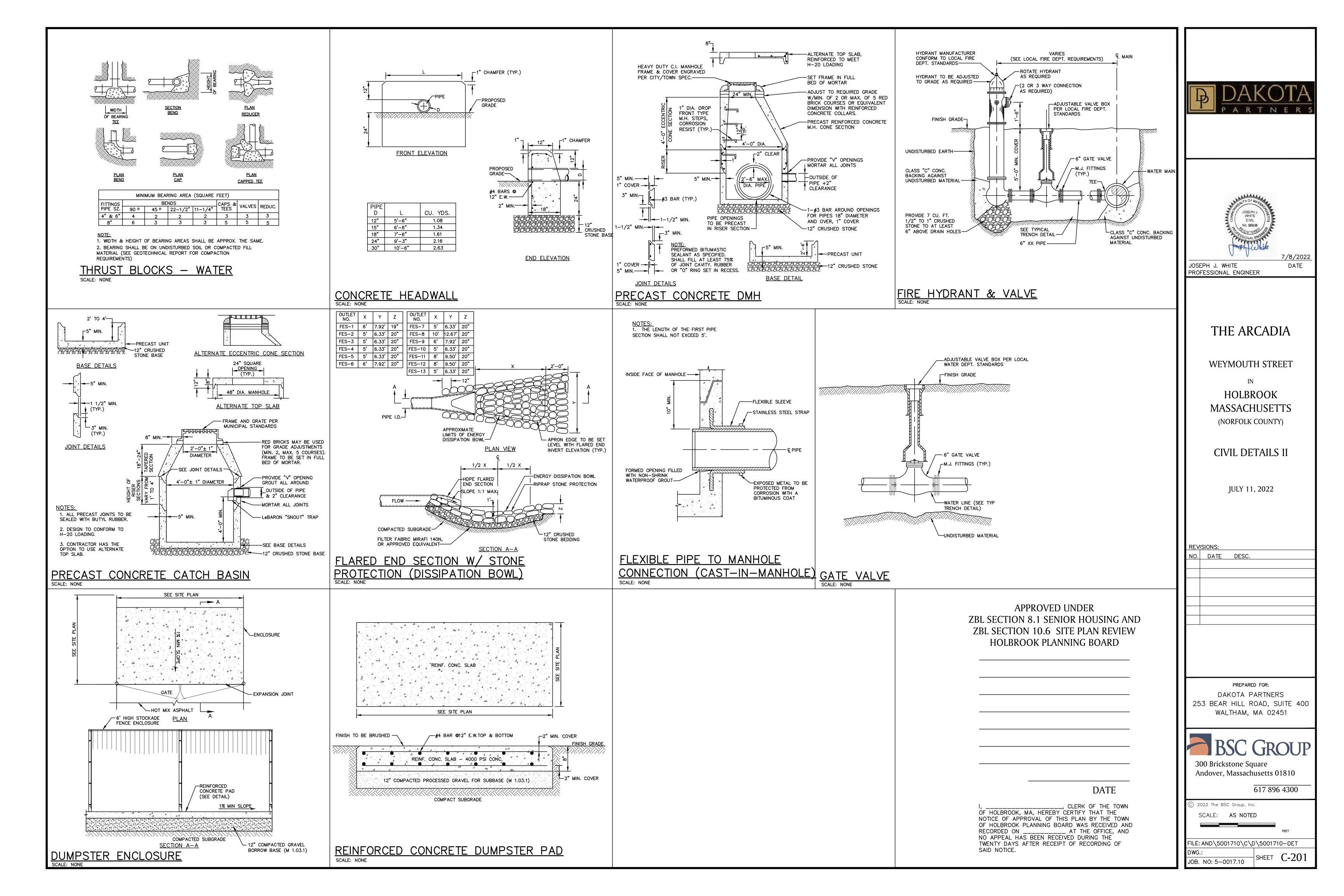
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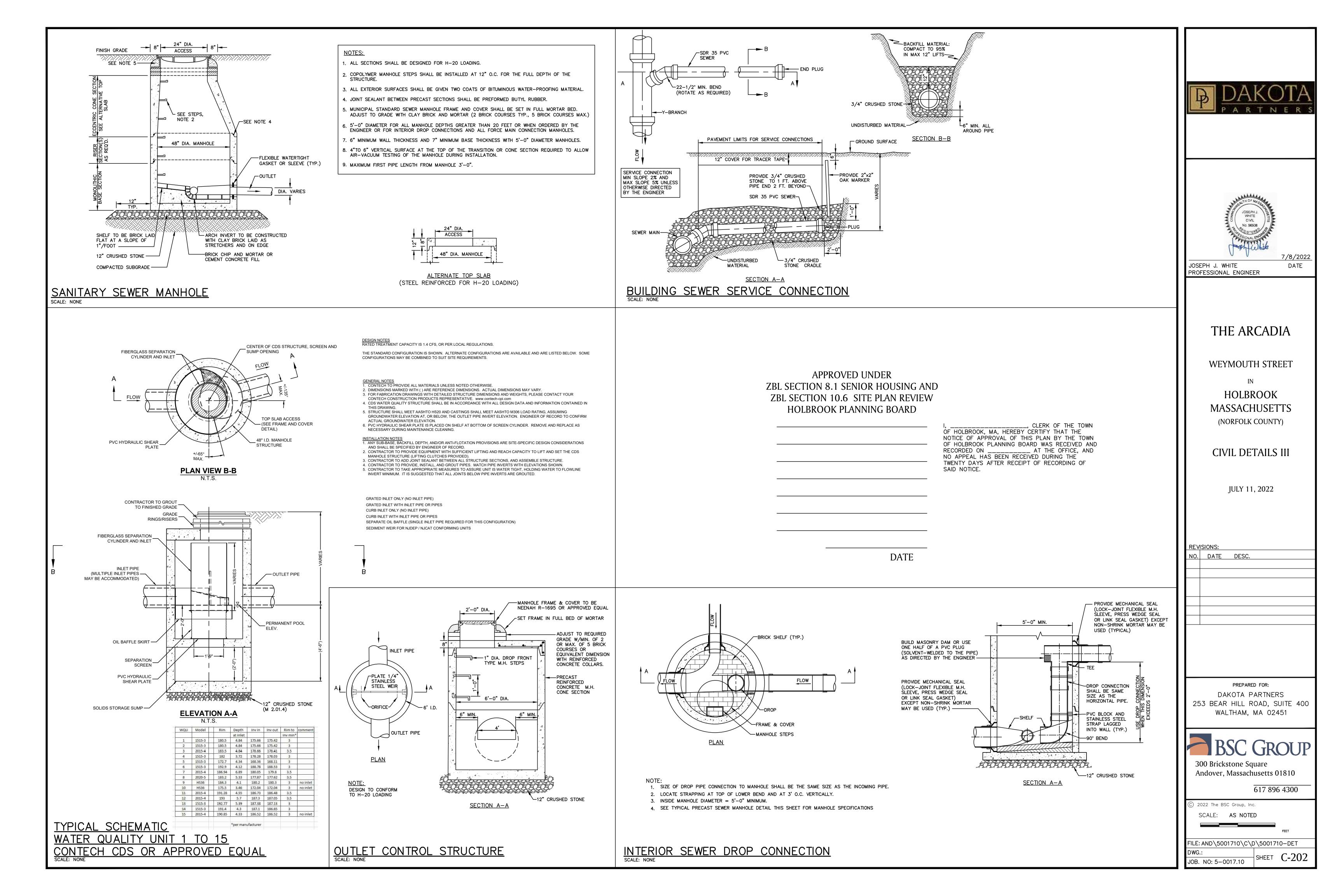
253 BEAR HILL ROAD, SUITE 400

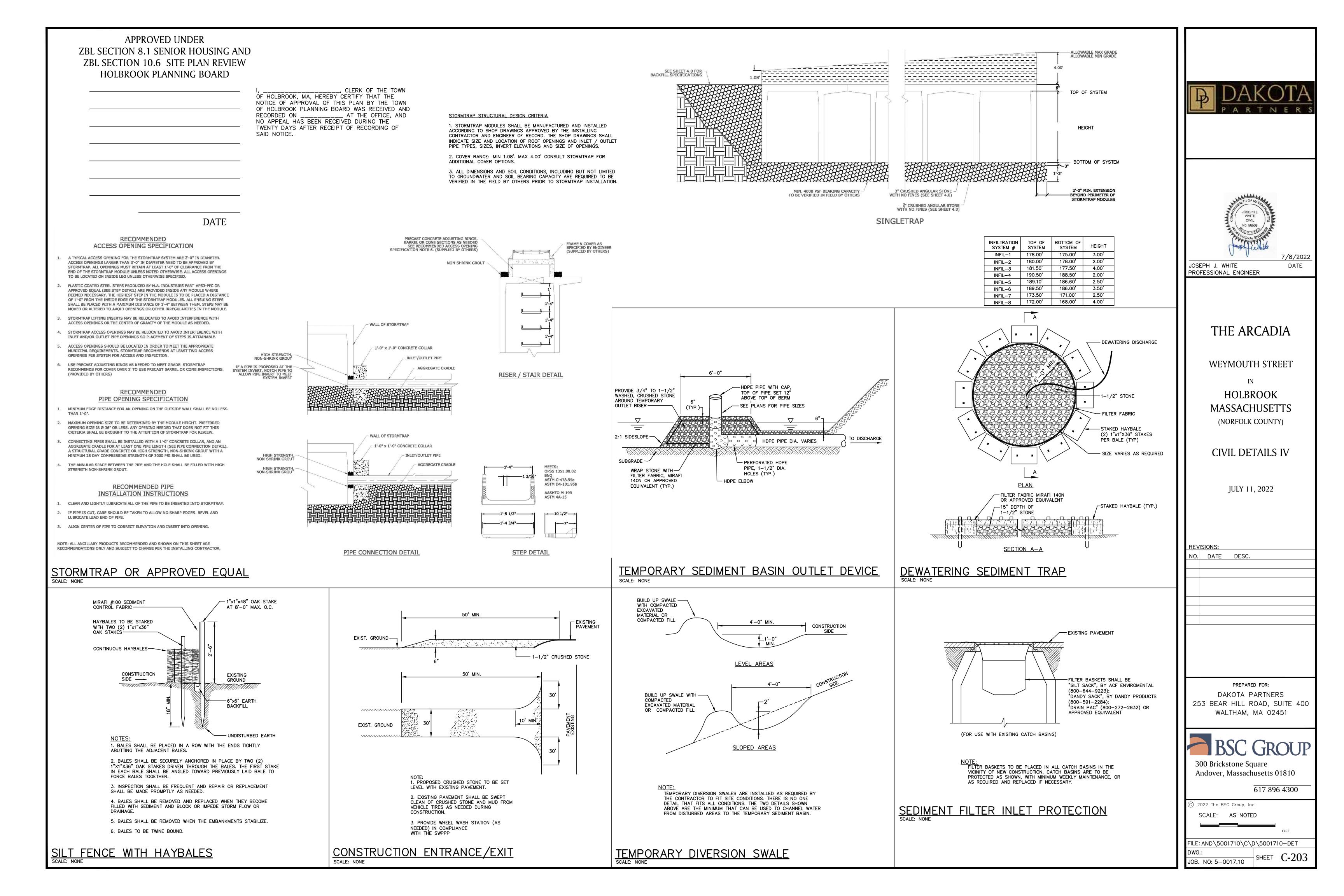


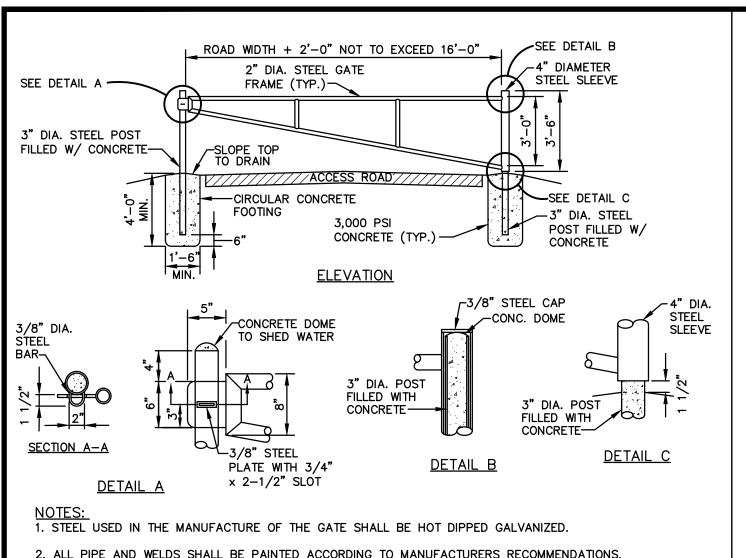
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- 2. ALL PIPE AND WELDS SHALL BE PAINTED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
- 3. ALL WELDS SHALL BE 3/16" FILLETS ALL AROUND.

BACK OF SIDEWALK-

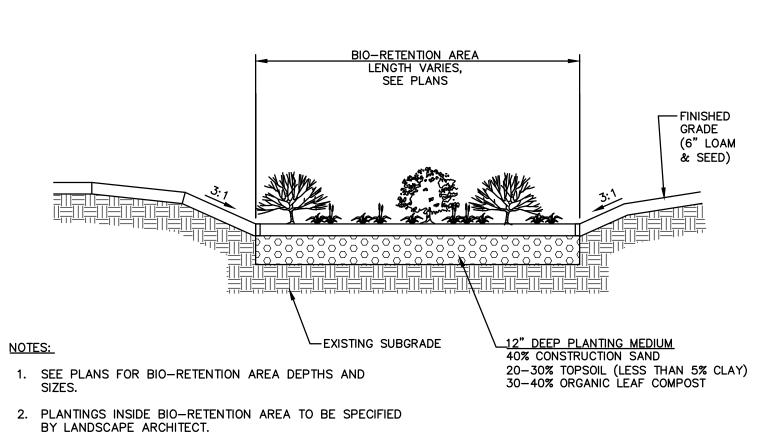
SIDEWALK Z

4. PIPE MATERIAL SHALL BE SCHEDULE 40 STEEL. DIAMETERS ARE NOMINAL PIPE SIZE.

7.5% (MAX)

5. CONTRACTOR SHALL INSTALL AN ADDITIONAL 3" DIA. POST WITH 3/8" DIA. STEEL BAR. LOCATED TO SECURE THE GATE IN AN OPEN POSITION 90 DEGREES FROM THAT SHOWN ABOVE.

TYPICAL ACCESS ROAD GATE



BIO-RETENTION AREA

PROJECT APPROVAL.

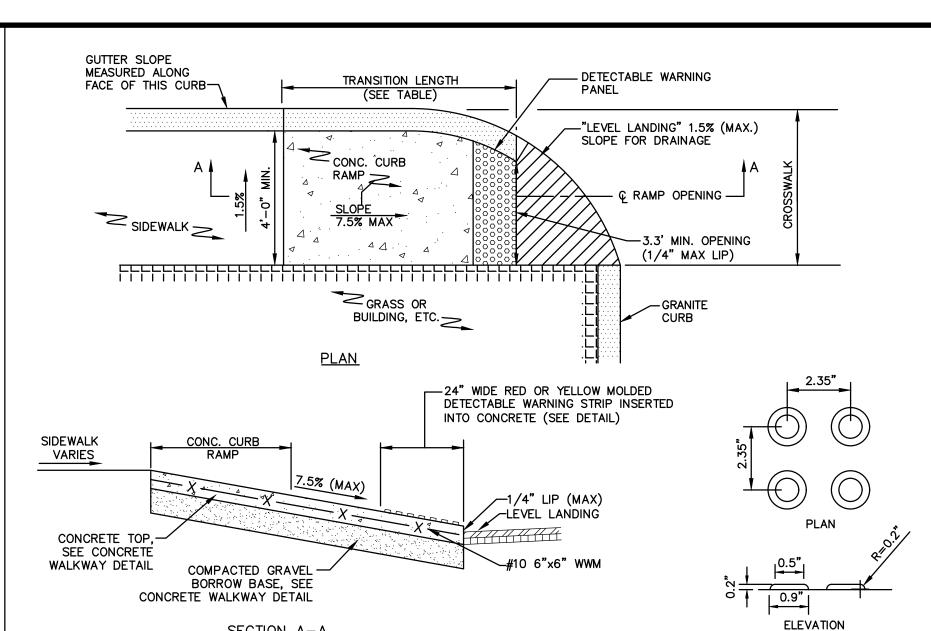
SIDEWALK

-6" REVEAL CURB

EDGE OF ROADWAY

3. UNDERDRAIN TO BE DESIGNED IN ACCORDANCE WITH

MASSACHUSETTS STROMWATER REGULATIONS UPON

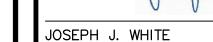


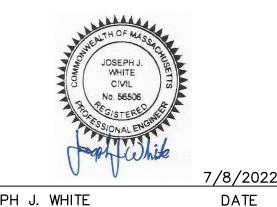
	WHEELCHAIR RAMPS					
	ROADWAY PROFILE GRADE (%)	TRANSITION LENGTH ROUNDED TO THE NEAREST 4"				
	O OR LOW SIDE	6'-6"				
	>0 - 1	7'–8"				
	>1 - 2	9'-0"				
	>2 - 3	11'-0"				
	>3 - 4	14'-0"				
	>4	15'-0" (MAX)				
•						

CURB TRANSITION LENGTH FOR

1. SLOPE TOLERANCE FOR RAMP AND SIDEWALK CONSTRUCTION = \pm 0.50%

- 2. THE MAX. ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
- 3. THE MAX. ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMPS SHALL BE 7.5%. 4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT
- ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E. HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.). 5. BASE OF RAMP SHALL BE GRADED TO PREVENT PONDING.





PROFESSIONAL ENGINEER

THE ARCADIA

WEYMOUTH STREET

HOLBROOK **MASSACHUSETTS** (NORFOLK COUNTY)

CIVIL DETAILS V

JULY 11, 2022

REV	ISIONS:			
NO.	DATE	DESC.		

PREPARED FOR:

DAKOTA PARTNERS 253 BEAR HILL ROAD, SUITE 400 WALTHAM, MA 02451



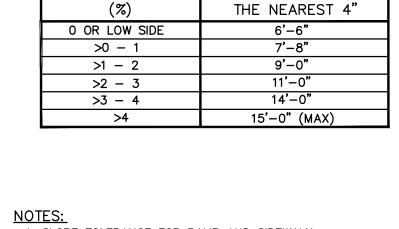
300 Brickstone Square Andover, Massachusetts 01810

617 896 4300

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JOB. NO: 5-0017.10

FILE: AND\5001710\C\D\5001710-DET



CURB TRANSITION LENGTH FOR

WHEELCHAIR RAMPS

HIGH SIDE TRANSITION

LENGTH ROUNDED TO

ROADWAY

PROFILE GRADE

1. SLOPE TOLERANCE FOR RAMP AND SIDEWALK CONSTRUCTION = \pm 0.50% 2. THE MAX. ALLOWABLE SLOPE OF ACCESSIBLE ROUTE

RAMPS SHALL BE 7.5%. 4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E. HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).

3. THE MAX. ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB

5. BASE OF RAMP SHALL BE GRADED TO PREVENT PONDING.

	— 24" WIDE RED OR YELLOW MOLDED DETECTABLE WARNING STRIP INSERTED INTO CONCRETE (SEE DETAIL)	2.35"
#10 6"x6" WWM 1.5% CONCRETE TOP, SEE CONCRETE WALKWAY DETAIL BORROW BASE, SEE CONCRETE WALKWAY DETAIL SECTION A-A	CURB LINE 1/4" LIP (MAX) ROADWAY	PLAN PLAN O.5" O.9" ELEVATION DETECTABLE WARNING STRIP

LOW SIDE TRANSITION

LIMITS OF CONCRETE RAMP

_SLOPE △

7.5% (MAX)

-DETECTABLE

WARNING PANEL

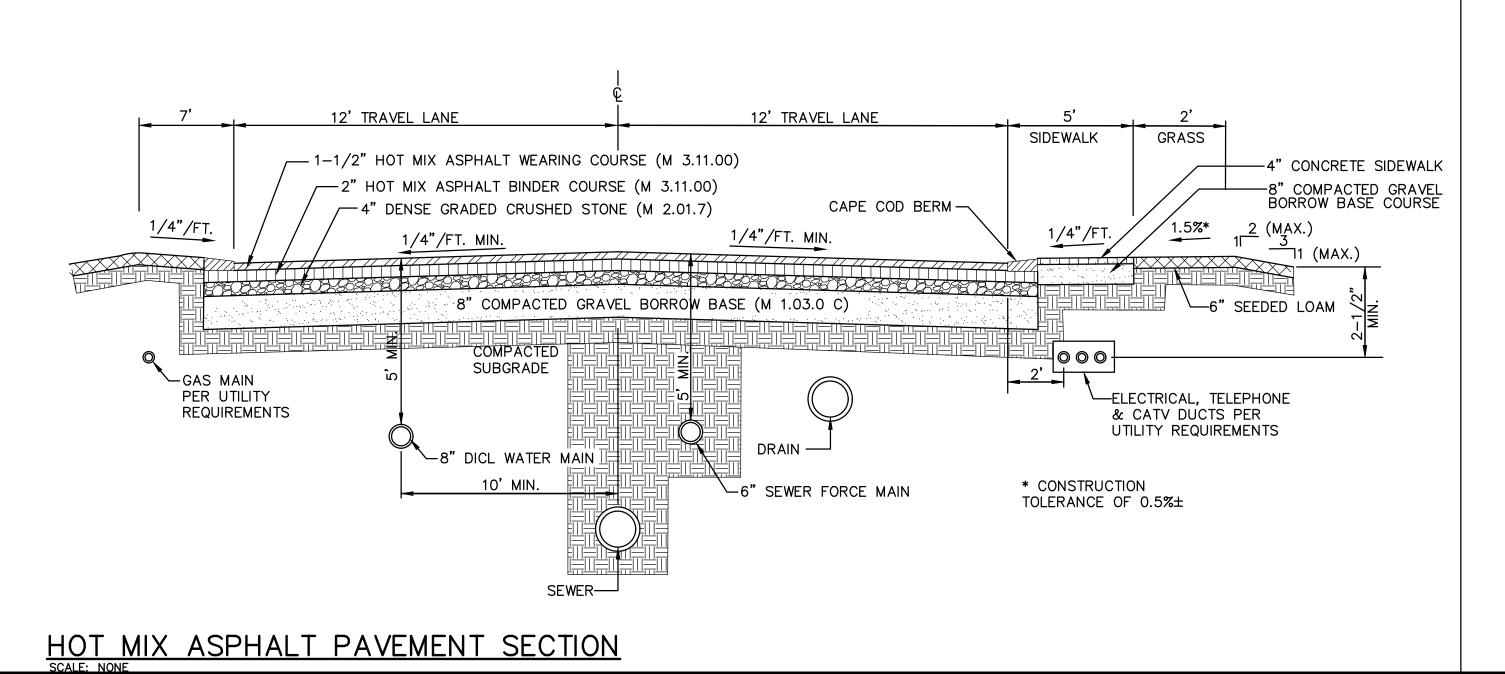
"LEVEL LANDING" 1.5% (MAX.)

SLOPE FOR DRAINAGE

ROADWAY DOWN GRADE

<u>PLAN</u>

ACCESSIBLE	CURB	RAMP	TYPE	'F'	_	NARROW	SIDEWALK
SCALE: NONE							



APPROVED UNDER **ZBL SECTION 8.1 SENIOR HOUSING AND** ZBL SECTION 10.6 SITE PLAN REVIEW HOLBROOK PLANNING BOARD

SECTION A-A

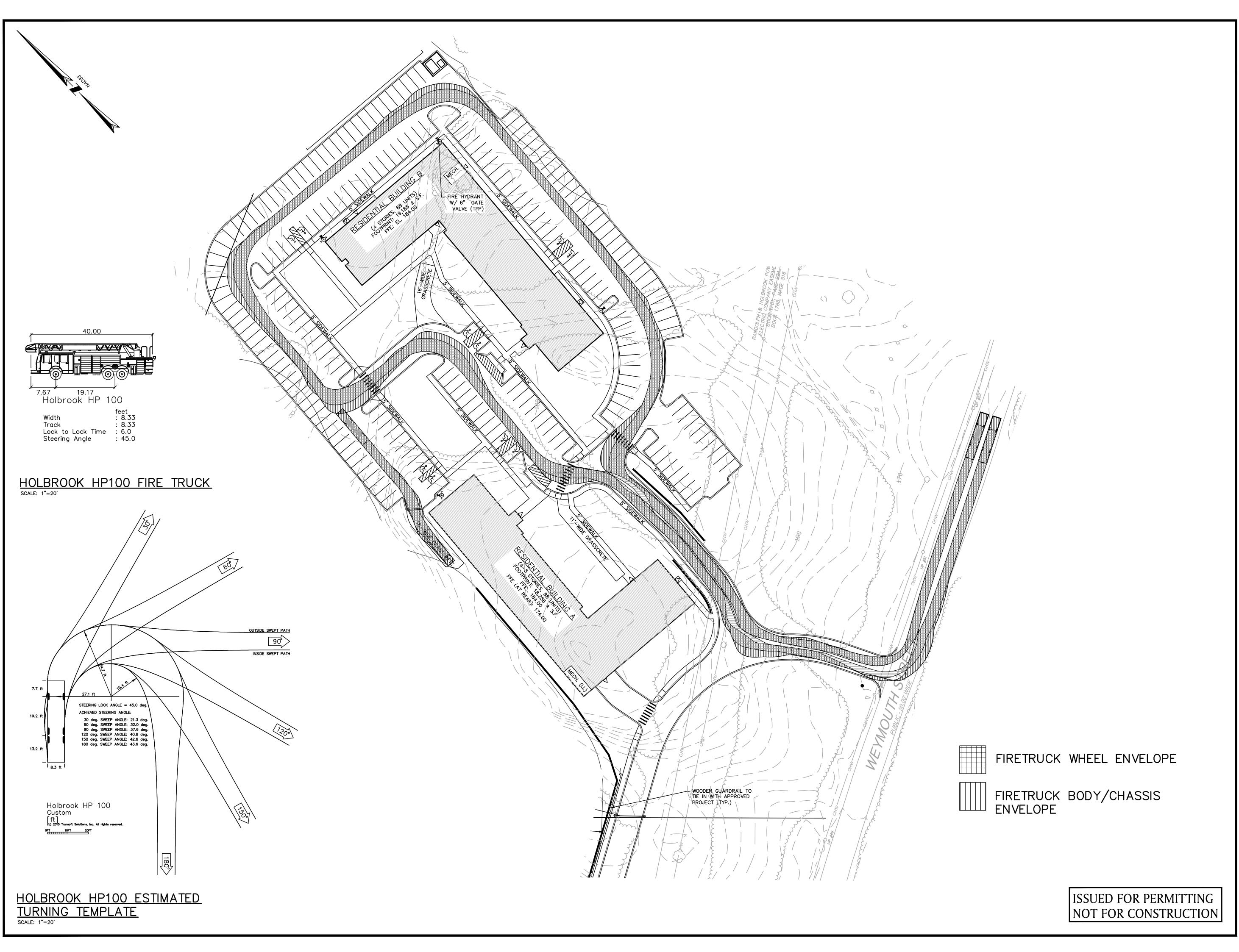
DIRECTION WITH LEVEL ENTRANCE

ACCESSIBLE CURB RAMP TYPE 'B' - SINGLE

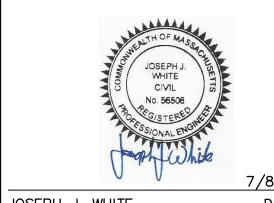
DATE

CLERK OF THE TOWN OF HOLBROOK, MA, HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE TOWN OF HOLBROOK PLANNING BOARD WAS RECEIVED AND RECORDED ON _____ AT THE OFFICE, AND NO APPEAL HAS BEEN RECEIVED DURING THE TWENTY DAYS AFTER RECEIPT OF RECORDING OF SAID NOTICE.

DETECTABLE WARNING







JOSEPH J. WHITE PROFESSIONAL ENGINEER

THE ARCADIA

WEYMOUTH STREET

HOLBROOK **MASSACHUSETTS** (NORFOLK COUNTY)

EMERGENCY

ACCESS PLAN I

JULY 11, 2022

ΕV	ISIONS:			
0.	DATE	DESC.		

PREPARED FOR: DAKOTA PARTNERS

253 BEAR HILL ROAD, SUITE 400 WALTHAM, MA 02451

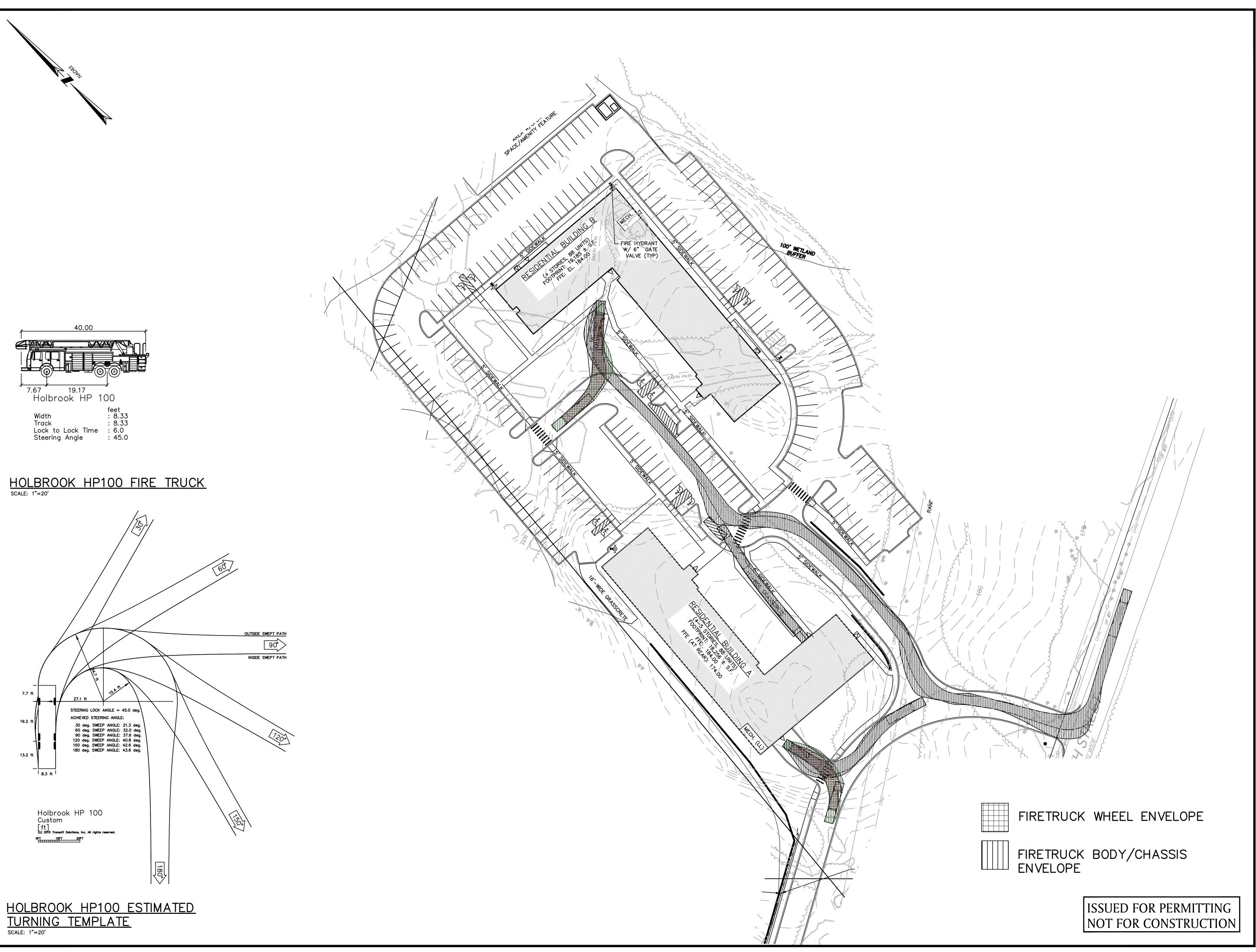


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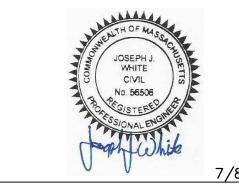
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FILE: AND\5001710\C\D\5001710-FIRE SHEET **F-100**

JOB. NO: 5-0017.10







JOSEPH J. WHITE PROFESSIONAL ENGINEER

THE ARCADIA

WEYMOUTH STREET

HOLBROOK MASSACHUSETTS (NORFOLK COUNTY)

EMERGENCY ACCESS PLAN II

JULY 11, 2022

NO. DATE DESC.

PREPARED FOR: DAKOTA PARTNERS

253 BEAR HILL ROAD, SUITE 400 WALTHAM, MA 02451



300 Brickstone Square Andover, Massachusetts 01810

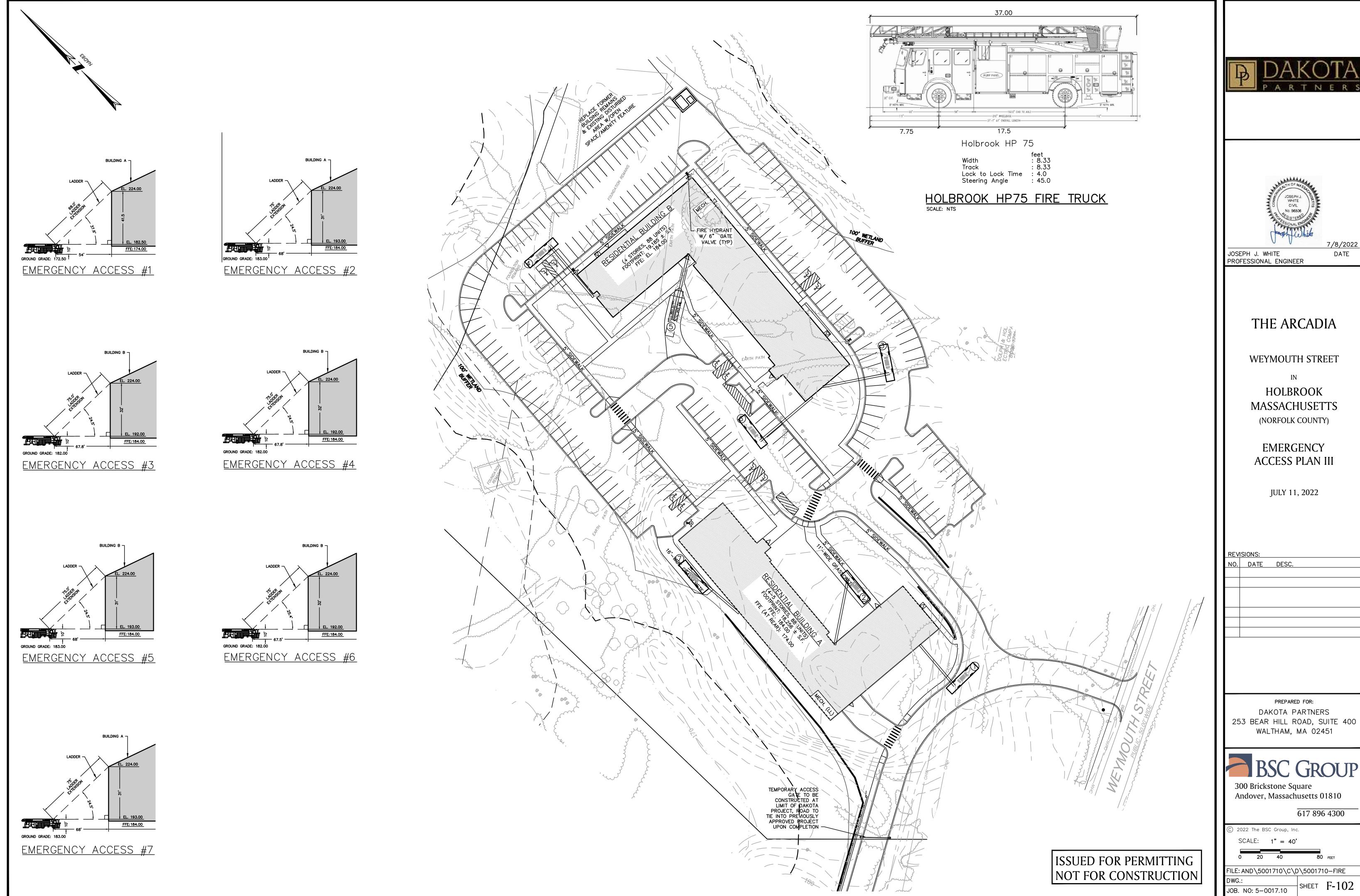
617 896 4300

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FILE: AND\5001710\C\D\5001710-FIRE

SHEET **F-101**

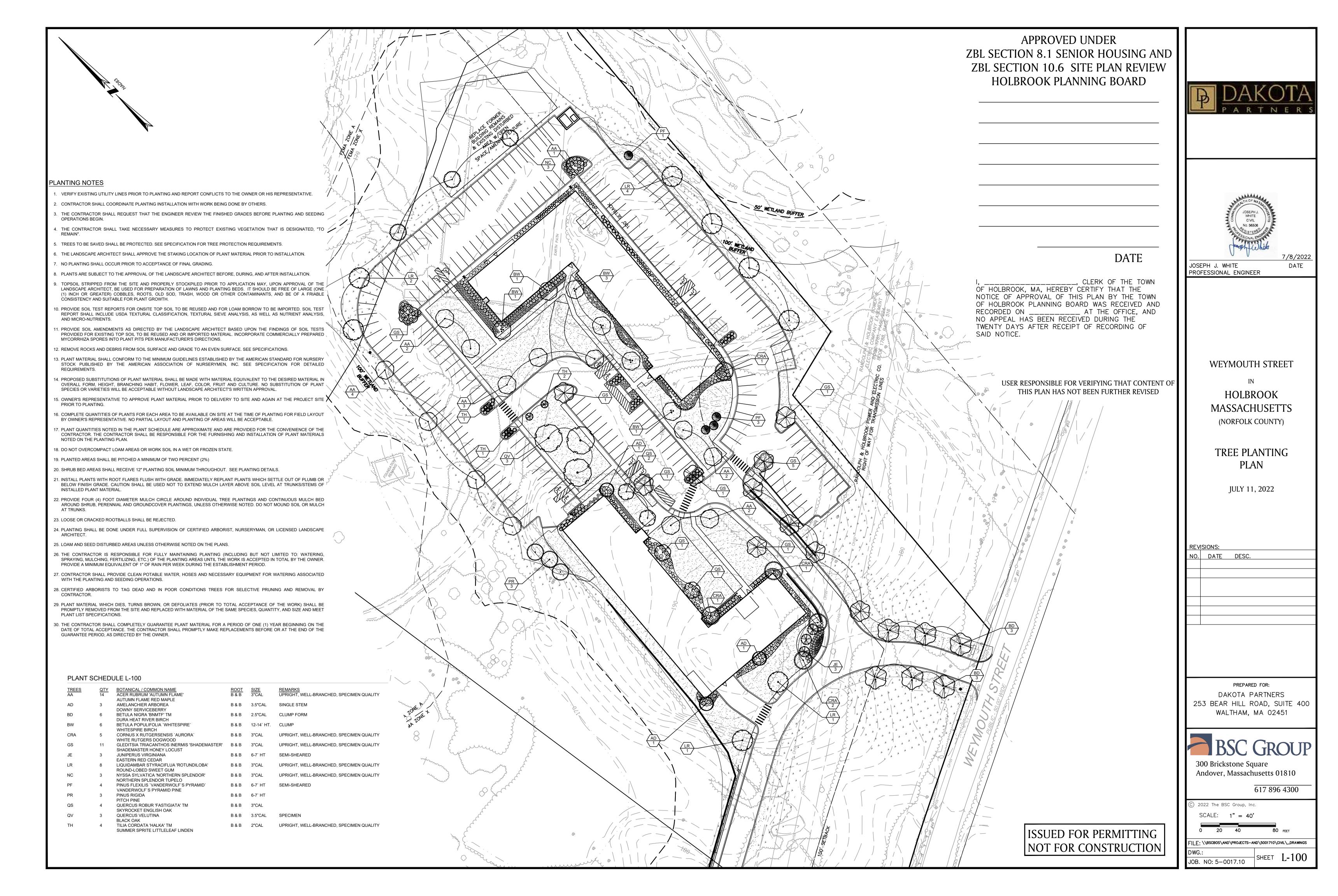
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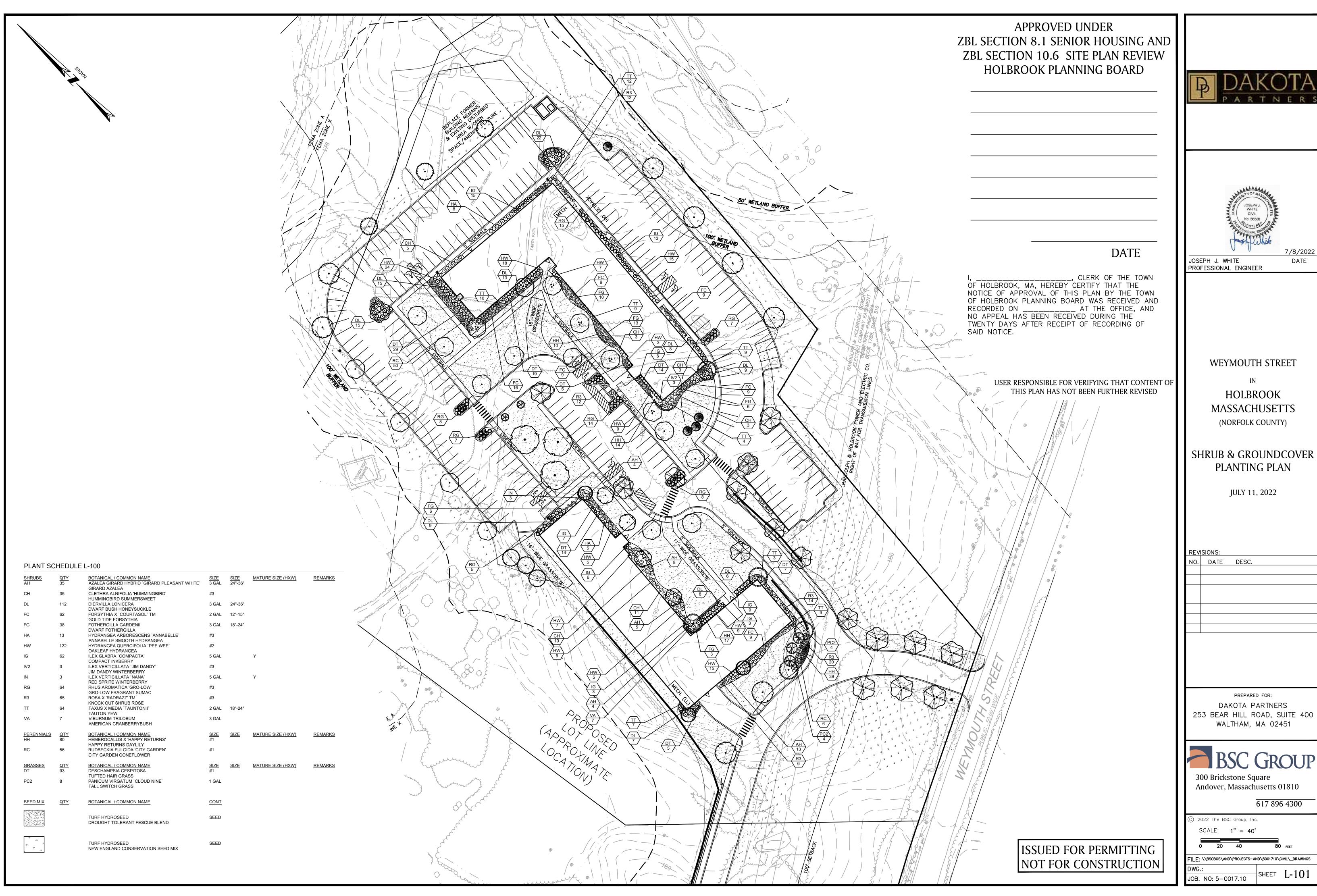




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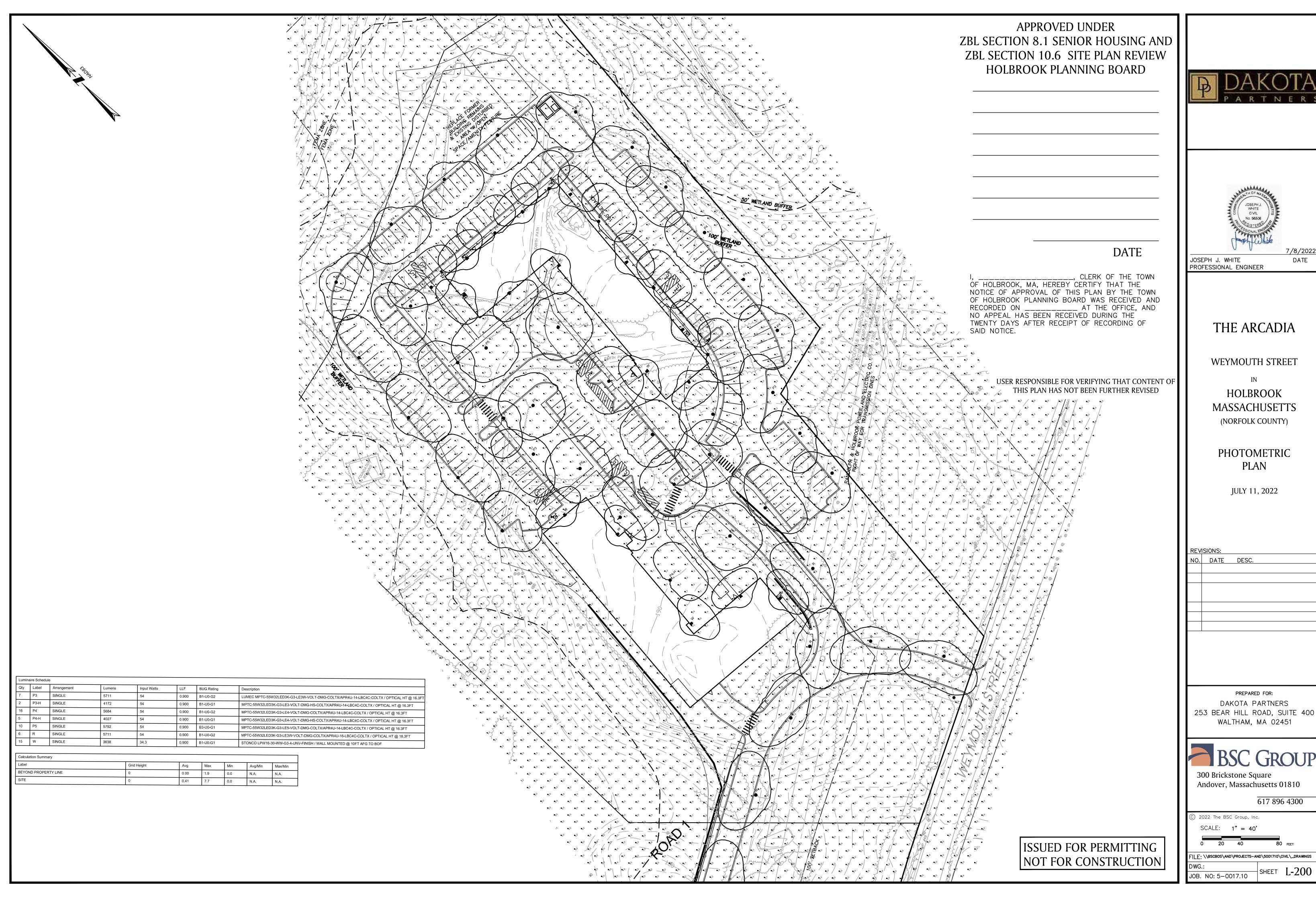








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DESC.	DATE	NO.

