

SITE PLAN MODIFICATION

70, 72, 88 AND 94 EAST CENTRAL STREET

PLAN 107B OF 1988



LOCUS MAP
SCALE: 1" = 100'

70 AND 72 EAST CENTRAL STREET PROPERTY ARE LOCATED WITHIN A DOWNTOWN COMMERCIAL ZONE. 88 AND 94 EAST CENTRAL STREET PROPERTY ARE LOCATED WITHIN A COMMERCIAL I ZONE. ZONING TABLE VALUES FOR #94 AND # 88 EAST CENTRAL STREET ARE BASED ON PARCELS "A" AND "B" BEING PART OF #94 EAST CENTRAL STREET AND ARE NOT REFLECTED AS PART OF # 88 EAST CENTRAL STREET.

#88 AND 94 EAST CENTRAL STREET - COMMERCIAL I ZONING DISTRICT		EXISTING	PROPOSED
REQUIREMENTS:	5,000 S.F.	54,814± S.F.	54,814± S.F.
AREA:	50'	159.43'	159.43'
FRONTAGE:	50'	271'	271'
DEPTH:	3 STORIES - 40' *15	2 STORIES	# 94 3 STORIES < 40' SEE ARCHITECTURAL PLANS
HEIGHT:	45'	163.5'	163.5'
WIDTH:	SETBACKS		
FRONT:	20' *1	160.3'	172.5'
SIDE:	10' *14	24.6'	11.0'
REAR:	15'	35.5'	17.2'
COVERAGE	80%	6.9%	19.3%
STRUCTURES:	90%	15.4%	46.1%
STRUC. & PAVING:			

#70-72 EAST CENTRAL STREET - DOWNTOWN COMMERCIAL ZONING DISTRICT		EXISTING	PROPOSED
REQUIREMENTS:	5,000 S.F.	32,810 S.F.	32,810± S.F.
AREA:	50'	186.07'	186.07'
FRONTAGE:	50'	266'	266'
DEPTH:	3 STORIES - 40' *9	2 STORIES	4 STORIES - 49.5'
HEIGHT:	45'	>45'	>45'
WIDTH:	COVERAGE -		
FRONT:	15' *10	20.7'	15.7'
SIDE:	0' *2	25.2'	15.0' & 5'
REAR:	15'	105'	23.3' & 17.5'
STRUC. & PAVING:	80%	7.6%	28%
	90%	19.2%	67.7%

THE ABOVE INFORMATION WAS TAKEN FROM THE APPROVED SITE PLAN FOR 70 - 72 EAST CENTRAL STREET.

- *1 - BUT NO NEW STRUCTURE SHALL BE REQUIRED TO PROVIDE A DEEPER YARD THAN EXISTED ON THAT PARCEL UPON ADOPTION OF THIS AMENDMENT.
- *14 - THE 10-FOOT SIDE SETBACK IS ONLY REQUIRED ON ONE SIDE OF THE LOT; IF LOT ABUTS A RESIDENTIAL DISTRICT, A 20-FOOT SETBACK IS REQUIRED ON THE ADJUTING SIDE.
- *15 - BUILDINGS UP TO 50 FEET IN HEIGHT, REGARDLESS OF THE NUMBER OF STORIES, MAY BE PERMITTED BY A SPECIAL PERMIT FROM THE PLANNING BOARD.

REQUIREMENTS FOR 94 EAST CENTRAL STREET ZONE COMMERCIAL I EXISTING AND PROPOSED LOT AREA, FRONTAGE, DEPTH, WIDTH AND COVERAGE BASED ON THE LOTS BEING COMBINED. BUILDING HEIGHT, AND SETBACKS BASED ON EXISTING AND PROPOSED BUILDINGS LOCATED ON 88 AND 94 EAST CENTRAL STREET.

PROPERTY IS NOT LOCATED WITHIN A FRANKLIN WATER RESOURCE DISTRICT. THE PROPERTY IS LOCATED IN A ZONE C BASED ON FEMA FIRM MAP 25021C0309E DATED JULY 17, 2012.

94 EAST CENTRAL STREET:
EXISTING BUILDING USE RESIDENTIAL.
PROPOSED BUILDING USE MIXED WITH RESIDENTIAL.

88 EAST CENTRAL STREET
EXISTING BUILDING USE RESIDENTIAL.

70-72 EAST CENTRAL STREET
CURRENT BUILDING USE MIXED WITH RESIDENTIAL.

DRAWING INDEX:

1. COVER SHEET
 2. EXISTING CONDITIONS PLAN
 3. SITE LAYOUT PLAN
 4. SITE GRADING AND UTILITY PLAN
 5. SITE PLANTING PLAN
 6. EROSION CONTROL PLAN
 7. CONSTRUCTION DETAILS
 8. CONSTRUCTION DETAILS
 9. CONSTRUCTION DETAILS
 - SITE LIGHTING-LIGHTING PLAN, PHOTOMETRICS AND SCHEDULES
- BY SK & ASSOCIATES

OWNER:
MAP 286 PARCELS 32 AND 34
70 EAST CENTRAL STREET, LLC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

OWNER MAP 286 PARCEL 33
JOHN AND CARMEL SHERRY
88 EAST CENTRAL STREET

APPLICANT:
70 EAST CENTRAL STREET, LLC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

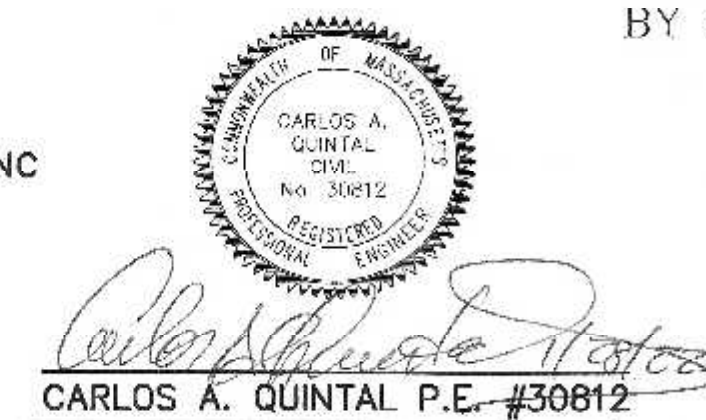
**SITE PLAN MODIFICATION
COVER SHEET**

70, 72, 88 AND 94 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
PREPARED FOR
70 EAST CENTRAL STREET, LLC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
DECEMBER 24, 2021
SCALE: 1" = 100'

- ALL EROSION CONTROL MITIGATION MEASURES SHALL BE IN PLACE PRIOR TO MAJOR CONSTRUCTION OR SOIL DISTURBANCE COMMENCING ON THE SITE.

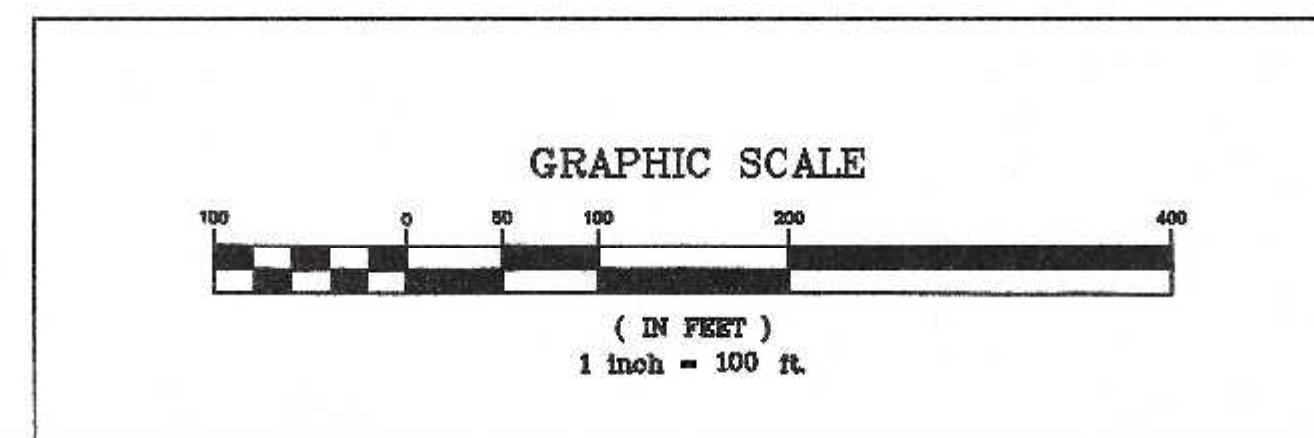
- WAIVER REQUESTS:**
1. TO ALLOW LESS THAN 42" OF COVER OVER THE RCP DRAIN PIPE. PROPOSED CLASS V RCP.
 2. TO ALLOW THE USE OF HPDE PIPE FROM CATCH BASIN 92 TO THE UNDERGROUND POND, FROM THE UNDERGROUND POND TO DRAIN MANHOLE 93, THE ROOF LEADER COLLECTION SYSTEM AND FROM ROOF LEADER CONNECTION TO DMH 95.
 3. TO ALLOW THE SITE LIGHTING TO EXTEND PAST THE PROPERTY LINE.

- REFERENCES:**
- ASSESSORS MAP 286 PARCELS 32, 33 AND 34
 - DEED BOOK 36860 PAGE 516
 - DEED BOOK 35983 PAGE 116
 - DEED BOOK 24648 PAGE 492
 - PLAN 108 OF 1908
 - PLAN 576 OF 1900
 - OWNERS PLAN OF LAND BY GUERRIERE AND HALNON, INC DATED OCTOBER 22, 2018
 - PLAN 3334 OF 1913
 - PLAN 853 OF 1928



SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD

DATE _____



NO.	DATE	DESCRIPTION	BY

DATE	FIELD BY:	INT.
6/19	BL	BL
BK#	FIELD BOOK	PG#
12/21	CALCS BY:	RRG
12/21	DESIGNED BY:	RRG
12/21	DRAWN BY:	COMP
12/21	CHECKED BY:	CAQ

**UNITED
CONSULTANTS
INC.**

850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-8560 FAX 508-384-8566

DATE DEC. 24, 2021

SCALE 1" = 100'

PROJECT UC1334

SHEET 1 of 9

REFERENCES:
 ASSESSORS MAP 286 PARCELS 32, 33 AND 34
 DEED BOOK 36860 PAGE 516
 DEED BOOK 35983 PAGE 116
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 PLAN 576 OF 1900
 OWNERS PLAN OF LAND BY GUERRIERE AND HALNON, INC
 DATED OCTOBER 22, 2018
 PLAN 3334 OF 1913
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NOTES:
 1. ELEVATIONS DATUM NGVD 1929.
 2. EXISTING CONDITIONS SURVEY WAS COMPLETED BETWEEN JUNE 12, 2019 AND JANUARY 6, 2020.
 3. SOIL TYPES TAKEN FROM SOILS MAP OF NORFOLK COUNTY.



ANDREW C. MURPHY P.L.S. #35042

LEGEND:

- DHSB DRILL HOLE STONE BOUND
- 297-- EXISTING COUNTOUR
- 297- PROPOSED COUNTOUR
- x274.3 SPOT GRADE - PROPOSED
- x274.3EX. SPOT GRADE - EXISTING
- ⊙ 48M EXIST. TREE - DIAMETER - SPECIES
- ⊙ UP4-1 UTILITY POLE
- OHW OVERHEAD WIRES
- ⊗ GAS GATE
- ⊕ WATER CURB STOP
- ⊖ WATER GATE
- ⊗ FIRE HYDRANT
- ⊙ DRAIN MANHOLE
- CATCH BASIN
- ⊙ SEWER MANHOLE
- D DUMPSTER
- VCC VERTICAL CONCRETE CURBING
- VGC VERTICAL GRANITE CURBING
- ♿ HANDICAP PARKING SPACE
- BUILDING MOUNTED LIGHT
- POLE MOUNTED LIGHT

MAP 286 PARCEL 39
 8 SUMMER STREET
 N/F G & K SIMON, INC.
 BOOK 8449
 PAGES 33 & 34
 ZONE - DOWNTOWN COMMERCIAL
 USE - RETAIL

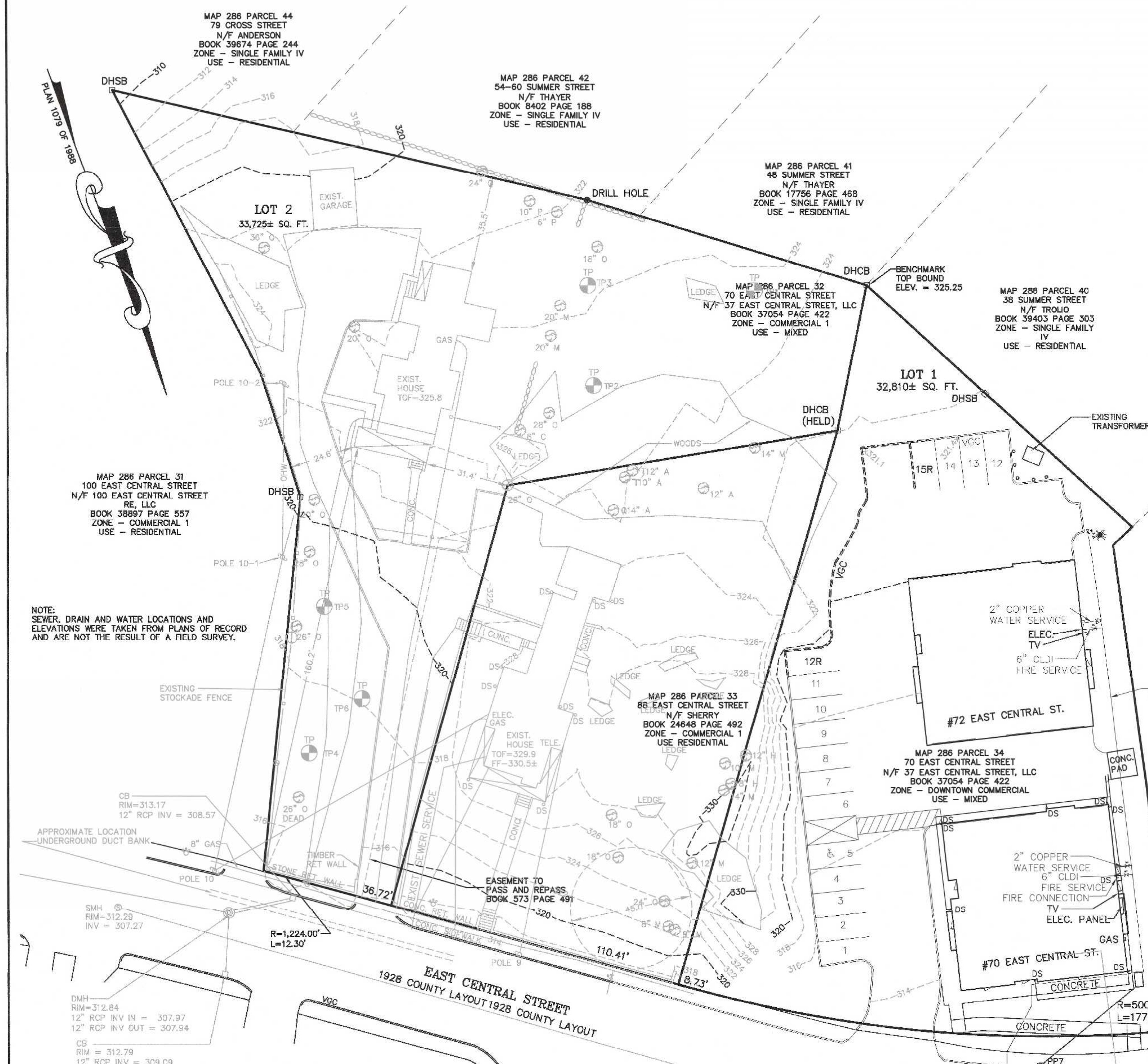
MAP 286 PARCELS 32 AND 34
 ARE TO BE COMBINED.
 MAP 286 PARCEL 33 HAS A PROPOSED
 EASEMENT FOR ACCESS AND UTILITIES.

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 37 EAST CENTRAL STREET
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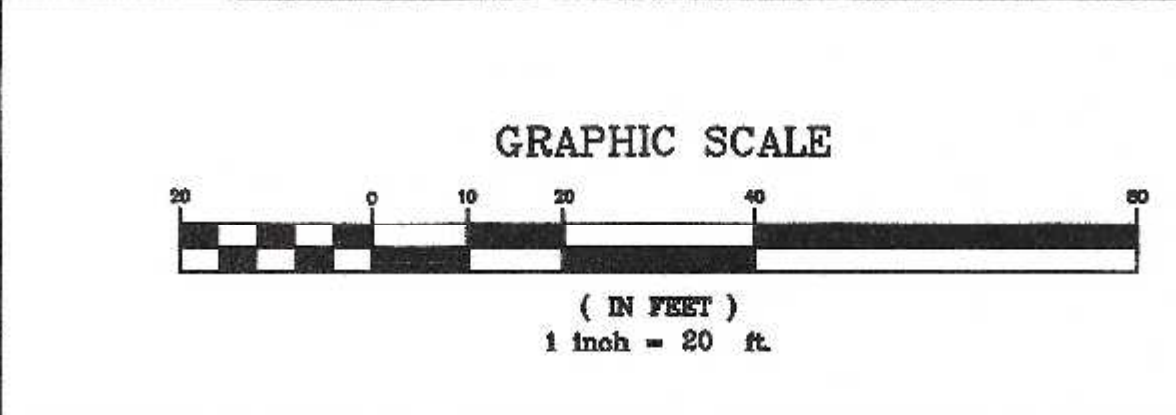
SITE PLAN MODIFICATION
 EXISTING CONDITIONS PLAN
 70, 72, 88 AND 94 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
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 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 DECEMBER 24, 2021
 SCALE: 1" = 20'



NOTE:
 SEWER, DRAIN AND WATER LOCATIONS AND
 ELEVATIONS WERE TAKEN FROM PLANS OF RECORD
 AND ARE NOT THE RESULT OF A FIELD SURVEY.

SITE PLAN APPROVAL
 REQUIRED
 FRANKLIN PLANNING BOARD

DATE _____



NO.	DATE	DESCRIPTION	BY

DATE	FIELD BY:	INT.
6/19	BL	
12/21	RRG	
12/21	RRG	
12/21	COMP	
12/21	CAQ	

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 PROJECT UC1334
 SHEET 2 of 9

NOTE:
THE SITE USES ARE NOT ANTICIPATED TO REQUIRE A LOADING AREA HOWEVER THE FOLLOWING PROVISIONS HAVE BEEN LISTED.

A SU-30 TRUCK (LARGEST DELIVERY VEHICLE TO ACCESS THE SITE) WILL BE ABLE TO ACCESS THE SITE AND WOULD BE ABLE TO TRAVEL THROUGH THE 70 EAST CENTRAL STREET SITE DRIVEWAY. THE TRUCK COULD OFF LOAD AT THE DRIVEWAY CONNECTING THE PARKING AREAS.

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88 EAST CENTRAL STREET

APPLICANT:
70 EAST CENTRAL STREET, LLC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

PLAN 1079 OF 1088

MAP 286 PARCEL 44
79 CROSS STREET
N/F ANDERSON
BOOK 39674 PAGE 244
ZONE - SINGLE FAMILY IV
USE - RESIDENTIAL

MAP 286 PARCEL 42
54-60 SUMMER STREET
N/F THAYER
BOOK 8402 PAGE 188
ZONE - SINGLE FAMILY IV
USE - RESIDENTIAL

MAP 286 PARCEL 41
48 SUMMER STREET
N/F THAYER
BOOK 17756 PAGE 468
ZONE - SINGLE FAMILY IV
USE - RESIDENTIAL

MAP 286 PARCEL 40
38 SUMMER STREET
N/F TROLIO
BOOK 39403 PAGE 303
ZONE - SINGLE FAMILY IV
USE - RESIDENTIAL



CARLOS A. QUINTAL P.E. #30812

PARKING CALCULATIONS:
#94 EAST CENTRAL STREET
COMMERCIAL I REQUIREMENTS (SECTIONS 185-21B.(2)(a)
#94 EAST CENTRAL STREET
1.5 SPACES PER RESIDENTIAL DWELLING UNIT.
17 RESIDENTIAL UNITS PROPOSED REQUIRES 27 SPACES
19 GARAGE SPACES ARE PROPOSED FOR THE RESIDENTIAL UNITS
COMMERCIAL SPACE (NON RESIDENTIAL USE) 1 SPACE PER 500
SQ. FT. = 972 SQ. FT. / 500 = 2 SPACES REQUIRED
29 TOTAL SPACES REQUIRED.

42 TOTAL PARKING SPACES PROPOSED INCLUDING 2 HANDICAP SPACES.

PARKING CALCULATIONS 70 AND 72 EAST CENTRAL STREET
SITE PLAN APPROVAL:
DOWNTOWN COMMERCIAL REQUIREMENTS (SECTIONS
185-21(3)(a) & (b)
1.5 SPACES PER RESIDENTIAL DWELLING UNIT.
12 RESIDENTIAL UNITS PROPOSED REQUIRES 18 SPACES
20 GARAGE SPACES ARE PROPOSED FOR THE RESIDENTIAL UNITS.
14 SPACES PROPOSED INCLUDING 1 HANDICAP SPACE.
TOTAL OF 34 SPACES ORIGINALLY PROPOSED

REVISIONS PROPOSED FOR 70-72 EAST CENTRAL STREET
PARKING WITH THE SITE PLAN FOR 70, 72, 88 AND 94 EAST
CENTRAL STREET
ELIMINATE 4 GARAGE PARKING SPACES
ELIMINATED FORMER SPACE 12 (12R) AND 15 (15R)
= 16 GARAGE SPACES AND 14 OUTDOOR SPACES
30 SPACES PROVIDED WHERE 18 SPACES ARE REQUIRED
AS REVISED 70 & 72 EAST CENTRAL STREET PARKING AREA
HAS 12 SPACES ABOVE THE ZONING BYLAW PARKING
REQUIREMENTS.

MAP 286 PARCEL 39
8 SUMMER STREET
N/F G & K SIMON, INC.
BOOK 8449
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ZONE - DOWNTOWN COMMERCIAL
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RESIDENTIAL DENSITY:
C-1 DISTRICT: 88 AND 94 EAST CENTRAL STREET
COMMERCIAL I REQUIREMENTS (185 ATTACHMENT 7 - 6.1*3)
*3 - NO MORE THAN ONE DWELLING UNIT PER 1,000 SQUARE FEET OF
LOT AREA MAY BE PERMITTED.

AREA 88 AND 94 EAST CENTRAL STREET - 54,614± SQ. FT. / 1,000 =
54 UNITS PERMISSIBLE
17 UNITS PROPOSED.

NOTE: 88 EAST CENTRAL STREET AND 94 EAST CENTRAL STREET
PROPERTIES TO BE COMBINED.

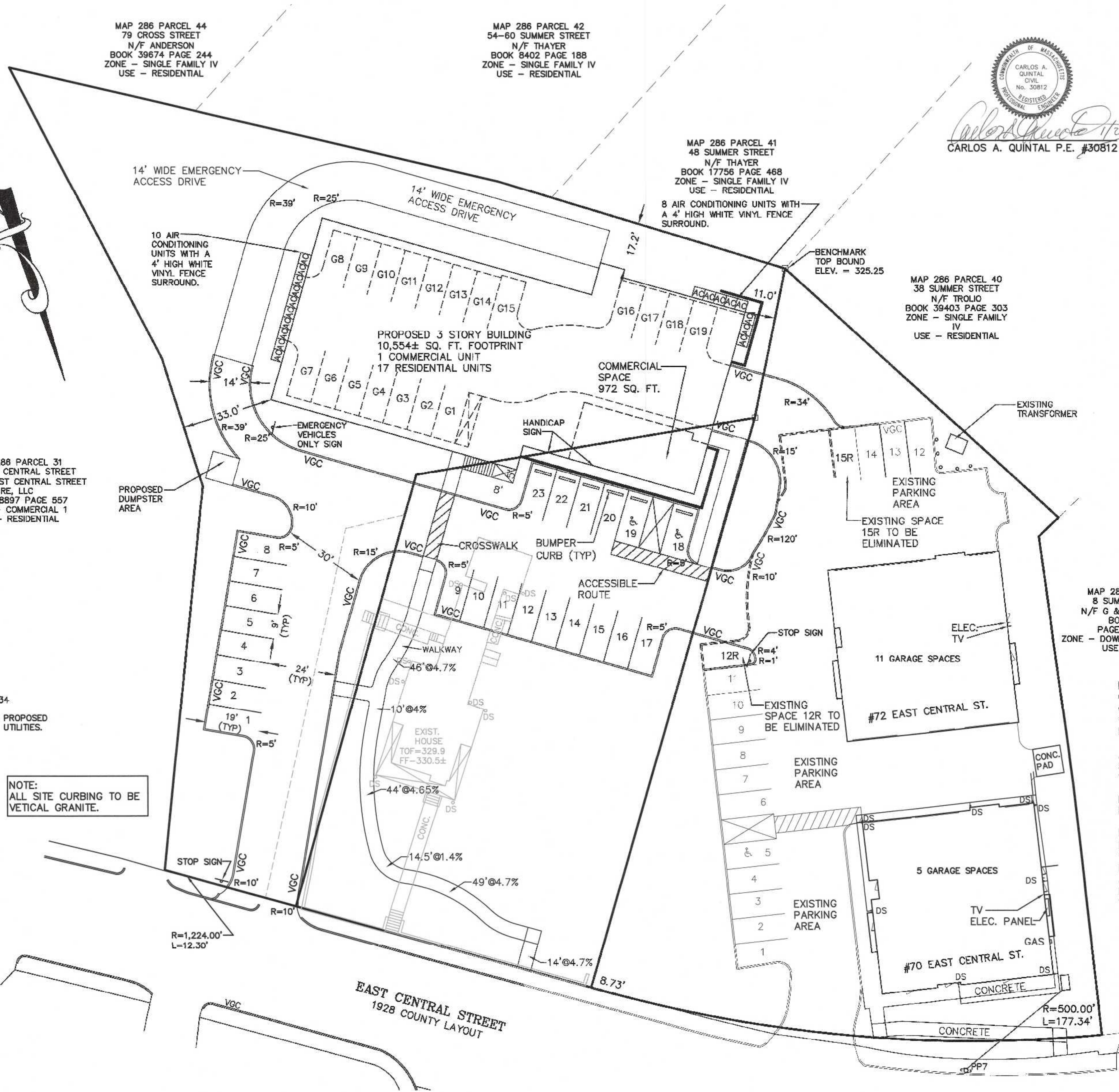
DC DISTRICT: 70 AND 72 EAST CENTRAL STREET
DOWNTOWN COMMERCIAL REQUIREMENTS (185 ATTACHMENT 7 - 6.1*6)
*6 - NO MORE THAN ONE DWELLING UNIT PER 2,000 SQUARE FEET OF
LOT AREA MAY BE PERMITTED; ADDITIONAL DWELLING UNITS MAY BE
ALLOWED BY SPECIAL PERMIT FROM THE PLANNING BOARD
LOT AREA - 32,810± SQ. FT. / 1,000 = 32 UNITS PERMISSIBLE
12 UNITS PROPOSED.

NOTES:
- NO SITE SIGNS ARE PROPOSED AT THIS TIME. ONCE
TENANTS ARE SECURED THE TENANT AND OR DEVELOPER WILL
SUBMIT AND OBTAIN APPROVAL FOR SIGNS. AT THIS TIME THE
DEVELOPER IS PLANNING TO UTILIZE BUILDING MOUNTED
SIGNAGE THAT WILL COMPLY WITH THE TOWN OF FRANKLIN
REQUIREMENTS.

MAP 286 PARCELS 32 AND 34
ARE TO BE COMBINED.
MAP 286 PARCEL 33 HAS A PROPOSED
EASEMENT FOR ACCESS AND UTILITIES.

- LEGEND:
- DHSB DRILL HOLE STONE BOUND
 - - - 297 - - EXISTING COUNTOUR
 - 297 - - PROPOSED COUNTOUR
 - x274.3 SPOT GRADE - PROPOSED
 - x274.3EX. SPOT GRADE - EXISTING
 - ⊕ 48M EXIST. TREE - DIAMETER - SPECIES
 - ⊕ UP4-1 UTILITY POLE
 - OHW — OVERHEAD WIRES
 - ⊗ GAS GATE
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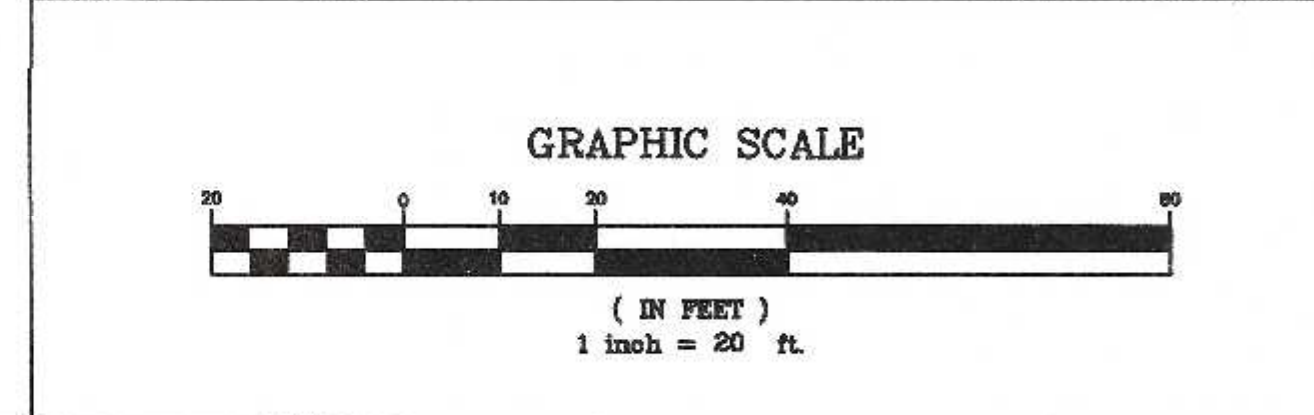
NOTE:
ALL SITE CURBING TO BE
VETICAL GRANITE.



SITE PLAN MODIFICATION
SITE LAYOUT PLAN
70, 72, 88 AND 94 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
PREPARED FOR
70 EAST CENTRAL STREET, LLC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
DECEMBER 24, 2021
SCALE: 1" = 20'

SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD

DATE _____



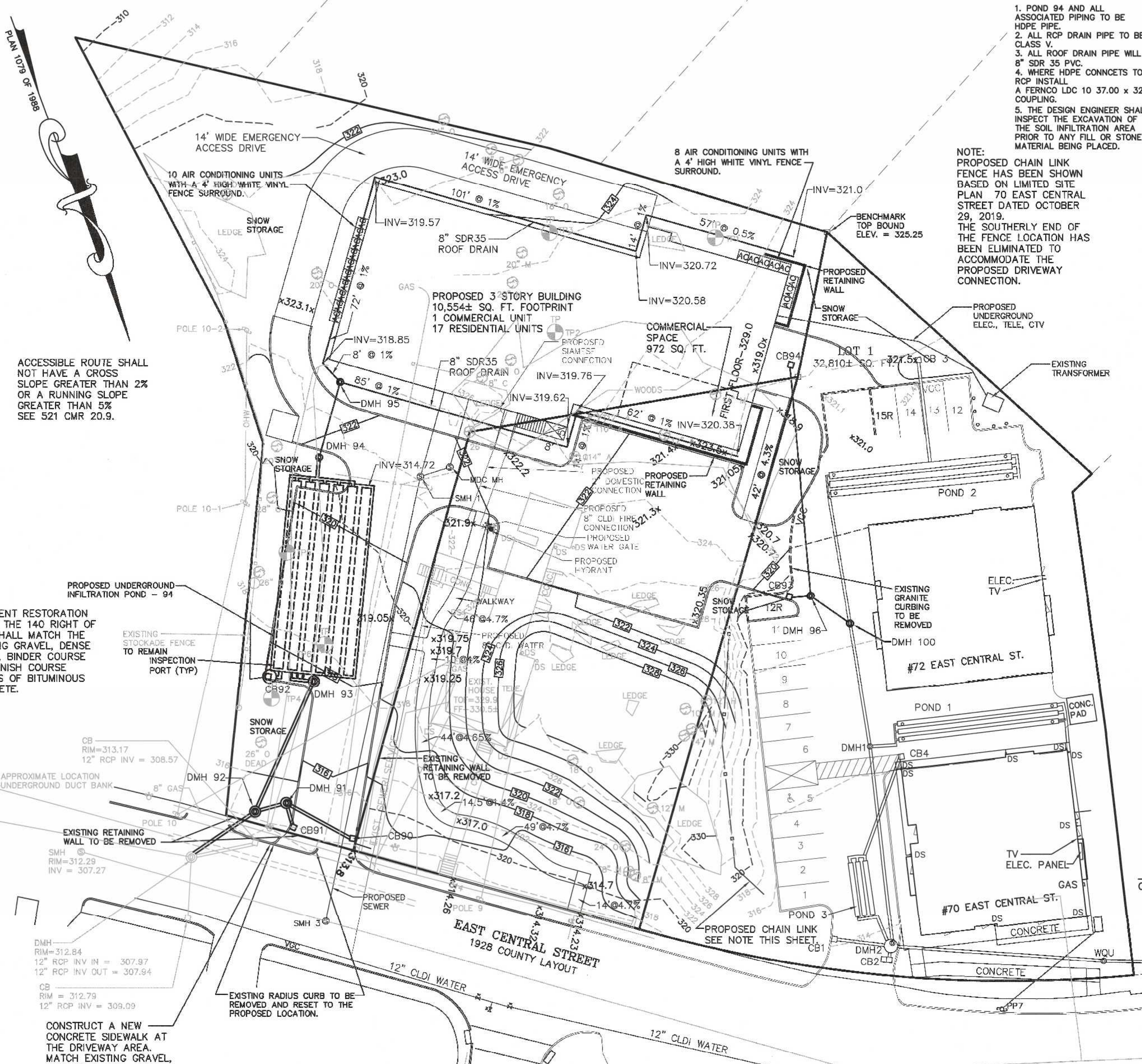
NO.	DATE	DESCRIPTION	BY

DATE	FIELD BY:	INT.
6/19	BL	BL
12/21	RRG	RRG
12/21	RRG	RRG
12/21	COMP	COMP
12/21	CAQ	CAQ

UNITED CONSULTANTS INC.
850 FRANKLIN STREET SUITE 11D
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DATE	SCALE
DEC. 24, 2021	1" = 20'
PROJECT	UC1334
SHEET	3 of 9

- LEGEND:**
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1. POND 94 AND ALL ASSOCIATED PIPING TO BE HDPE PIPE.
2. ALL RCP DRAIN PIPE TO BE CLASS V.
3. ALL ROOF DRAIN PIPE WILL BE 8" SDR 35 PVC.
4. WHERE HDPE CONNETCTS TO RCP INSTALL A FERRO LDC 10 37.00 x 32.00 COUPLING.
5. THE DESIGN ENGINEER SHALL INSPECT THE EXCAVATION OF THE SOIL INFILTRATION AREA PRIOR TO ANY FILL OR STONE MATERIAL BEING PLACED.

PROPOSED DRAINAGE STRUCTURE SCHEDULE:

CB 90 RIM = 314.2 INV OUT = 310.42 12" RCP	DMH 91 - STORMCEPTOR 450 RIM = 315.0 INV IN = 310.18 12" RCP - CB 90 INV IN = 309.68 12" RCP - CB 91 INV OUT = 309.58 12" RCP
CB 91 RIM = 314.1 INV OUT = 309.74 12" RCP	DMH 92 RIM 314.5 INV IN = 309.5 12" RCP - DMH 91 INV IN = 310.5 12" RCP - DMH 93 INV OUT = 308.5 12" RCP
CB 92 STORMCEPTOR 450 RIM = 317.58 INV OUT = 314.65 12" HDPE	DMH 93 RIM=317.9 INV IN =315.0 12" HDPE INV OUT = 312.46 12" RCP
CB 93 STORMCEPTOR 450 RIM = 319.25 INV OUT = 315.54 12" RCP	DMH 94 RIM = 322.3 INV IN = 314.92 12" RCP INV OUT = 314.82 12" HDPE
CB 94 STORMCEPTOR 450 RIM = 318.8 INV OUT = 315.87 12" RCP	DMH 95 RIM = 323.5 INV IN = 318.77 8" SDR 35 INV OUT = 315.92 12" RCP
	DMH 96 RIM = 319.2 INV IN = 315.46 12" RCP INV OUT = 315.36 12" RCP
	DMH 100 - DOGHOUSE MANHOLE RIM = 319.0 INV IN = 315.22 12" RCP INV OUT = 315.12 12" RCP

NOTE:
PROPOSED CHAIN LINK FENCE HAS BEEN SHOWN BASED ON LIMITED SITE PLAN 70 EAST CENTRAL STREET DATED OCTOBER 29, 2019. THE SOUTHERLY END OF THE FENCE LOCATION HAS BEEN ELIMINATED TO ACCOMMODATE THE PROPOSED DRIVEWAY CONNECTION.

NOTE:
PRIOR TO COMMENCING WITH THE DRAINAGE STRUCTURE OR PIPING FOR CB 93, CB 94 DMH 96, THE CONTRACTOR SHALL CONFIRM ELEVATION OF THE EXISTING DRAIN PIPE AT THE PROPOSED CONNECTION OF DMH 100. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGN ENGINEER.

- UTILITY NOTES:**
1. DOMESTIC WATER SUPPLY SHALL BE BASED ON PLUMBING ENGINEERS CALCULATIONS.
 2. FIRE SUPPLY LINE TO BE CONNECTED TO EXISTING WATER MAIN IN STREET. LOCATION SHOWN APPROXIMATELY. FINAL SIZING AND LOCATION SHALL BE DETERMINED BY THE PLUMBING ENGINEER.
 3. ELECTRIC, TELEPHONE AND CABLE TV LOCATIONS TO BE DETERMINED BY THE APPROPRIATE UTILITY COMPANIES. SERVICES ARE PROPOSED TO BE CONNECTED TO THE 70-72 EAST CENTRAL STREET SITE AND SHALL BE UNDERGROUND.
 4. GAS SERVICE AND LOCATIONS TO BE DETERMINED BY THE GAS COMPANY.
 5. PIV AND SIAMSE CONNECTIONS SHOWN APPROXIMATE. FINAL LOCATIONS TO BE DESIGNED BY PLUMBING ENGINEER AND APPROVED BY FIRE DEPARTMENT.
 6. THE DRAINAGE INSTALLATION SHALL BE INSPECTED AND CERTIFIED BY THE DESIGN ENGINEER PRIOR TO BACKFILLING.
 7. EXISTING WATER SERVICE TO BE CUT AND CAPPED AT THE MAIN PER DPW REQUIREMENTS.
 8. EXISTING SEWER SERVICE TO BE CUT AND CAPPED AT THE PROPERTY LINE.
 9. EXISTING ELECTRIC, TELEPHONE AND CTV SERVICES TO BE REMOVED BY THE APPROPRIATE UTILITY COMPANIES.

- NOTES:**
1. CONTRACTOR TO CONTACT DIGSAFE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 2. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES ANY REPORT ANY DISCREPANCIES TO UNITED CONSULTANTS, INC.
 3. ALL WORK SHALL CONFORM TO THE TOWN OF FRANKLIN DPW STANDARDS.
 4. MAINTAIN A MINIMUM OF 10' SEPARATION FROM THE WATER SERVICE TO THE SEWER SERVICE.

MAP 286 PARCELS 32 AND 34 ARE TO BE COMBINED. MAP 286 PARCEL 33 HAS A PROPOSED EASEMENT FOR ACCESS AND UTILITIES.



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FRANKLIN, MASSACHUSETTS
DECEMBER 24, 2021
SCALE: 1" = 20'

MARCH 13, 2019
PERFORMED BY CARLOS A. QUINTAL, P.E., SOIL EVALUATOR

TP 1 ELEV. = 324.24 - ABANDONED

TP 2 ELEV. = 324.75
0 - 8" A 10YR 3/3 SANDY LOAM
8" - 24" B 10YR 6/6 SANDY LOAM
24" - 60" C 2.5Y 5/6 SANDY LOAM

TP 3 ELEV. = 323.85
0 - 8" A 10YR 3/3 SANDY LOAM
8" - 24" B 10YR 6/6 SANDY LOAM
24" - 64" C 2.5Y 5/6 SANDY LOAM

TP 4 ELEV. = 317.52
0 - 12" A 10YR 3/3 SANDY LOAM
12" - 36" B 10YR 6/6 SANDY LOAM
36" - 90" C 2.5Y 4/3 GRAVELLY SANDY LOAM
NO GROUNDWATER
NO MOTILES AT 90" ELEV. = 310.02

TP 5 ELEV. = 318.53
0 - 18" A 10YR 3/3 SANDY LOAM
18" - 42" B 10YR 6/6 SANDY LOAM
42" - 109" C 2.5Y 5/6 SANDY LOAM
GROUNDWATER AT 100" ELEV. = 310.20
NO MOTILES OBSERVED

TP 6 ELEV. = 318.03
0 - 10" A 10YR 3/3 SANDY LOAM
10" - 42" B 10YR 6/6 SANDY LOAM
42" - 97" C 2.5Y 5/6 SANDY LOAM
NO GROUNDWATER OBSERVED
NO MOTILES OBSERVED AT 97" ELEV. = 309.94

ALL TEST PITS WERE DUG TO REFUSAL

PAVEMENT RESTORATION WITHIN THE 140 RIGHT OF WAY SHALL MATCH THE EXISTING GRAVEL, DENSE GRADE, BINDER COURSE AND FINISH COURSE DEPTHS OF BITUMINOUS CONCRETE.

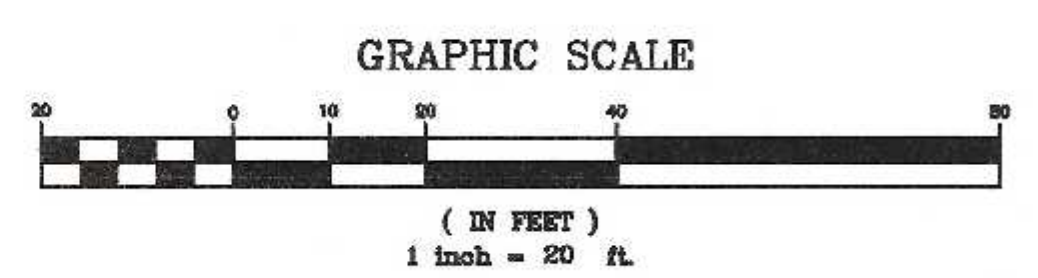
SIGHT DISTANCE BASED ON POSTED SPEED OF 25 MPH AT THE INTERSECTION OF EAST CENTRAL STREET AND ALPINE PLACE.
PER MASDOT STOPPING SIGHT DISTANCE FOR 25 MPH AT 0% GRADE - 155 FEET.
SIGHT DISTANCE WAS MEASURED 14.5 FEET FROM EDGE LINE, EXITING THE SITE:
LOOKING WEST 200 + FEET.
LOOKING EAST 300 + FEET.

REFERENCE MASS HIGHWAY EXHIBIT 3.8
200 FOOT SIGHT DISTANCE AT ZERO GRADE HAD A DESIGN SPEED OF 30 MPH.

CONSTRUCT A NEW CONCRETE SIDEWALK AT THE DRIVEWAY AREA. MATCH EXISTING GRAVEL, AND CONCRETE THICKNESS.

**SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD**

DATE



NO.	DATE	DESCRIPTION	BY

DATE	FIELD BY:	INT.
6/19	BL	
12/21	FIELD BOOK	PG# 63
12/21	CALCS BY:	RRG
12/21	DESIGNED BY:	RRG
12/21	DRAWN BY:	COMP
12/21	CHECKED BY:	CAQ

UNITED CONSULTANTS INC.
850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-6580 FAX 508-384-6566

DATE	DEC. 24, 2021
SCALE	1" = 20'
PROJECT	UC1334
SHEET	4 of 9

GENERAL NOTES

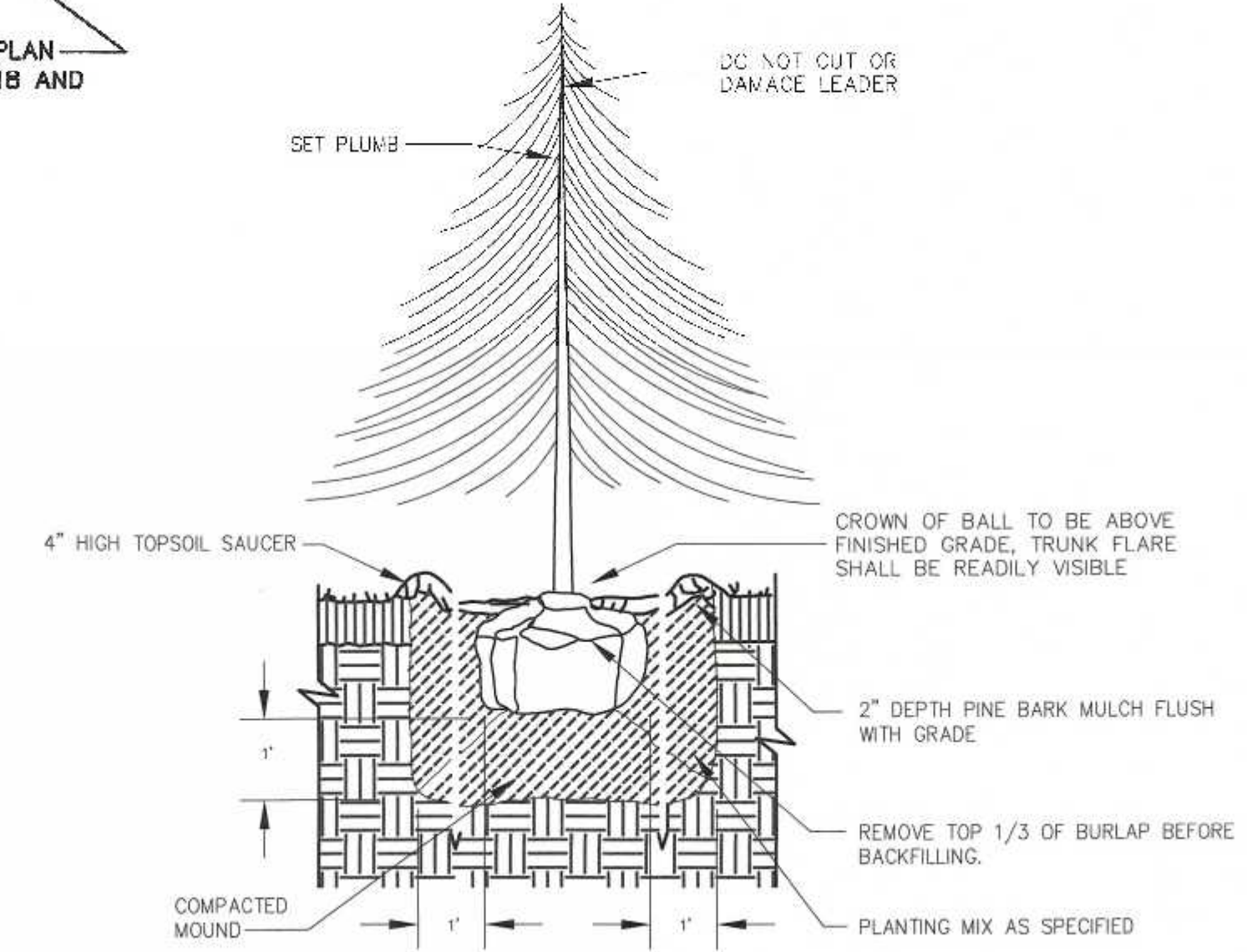
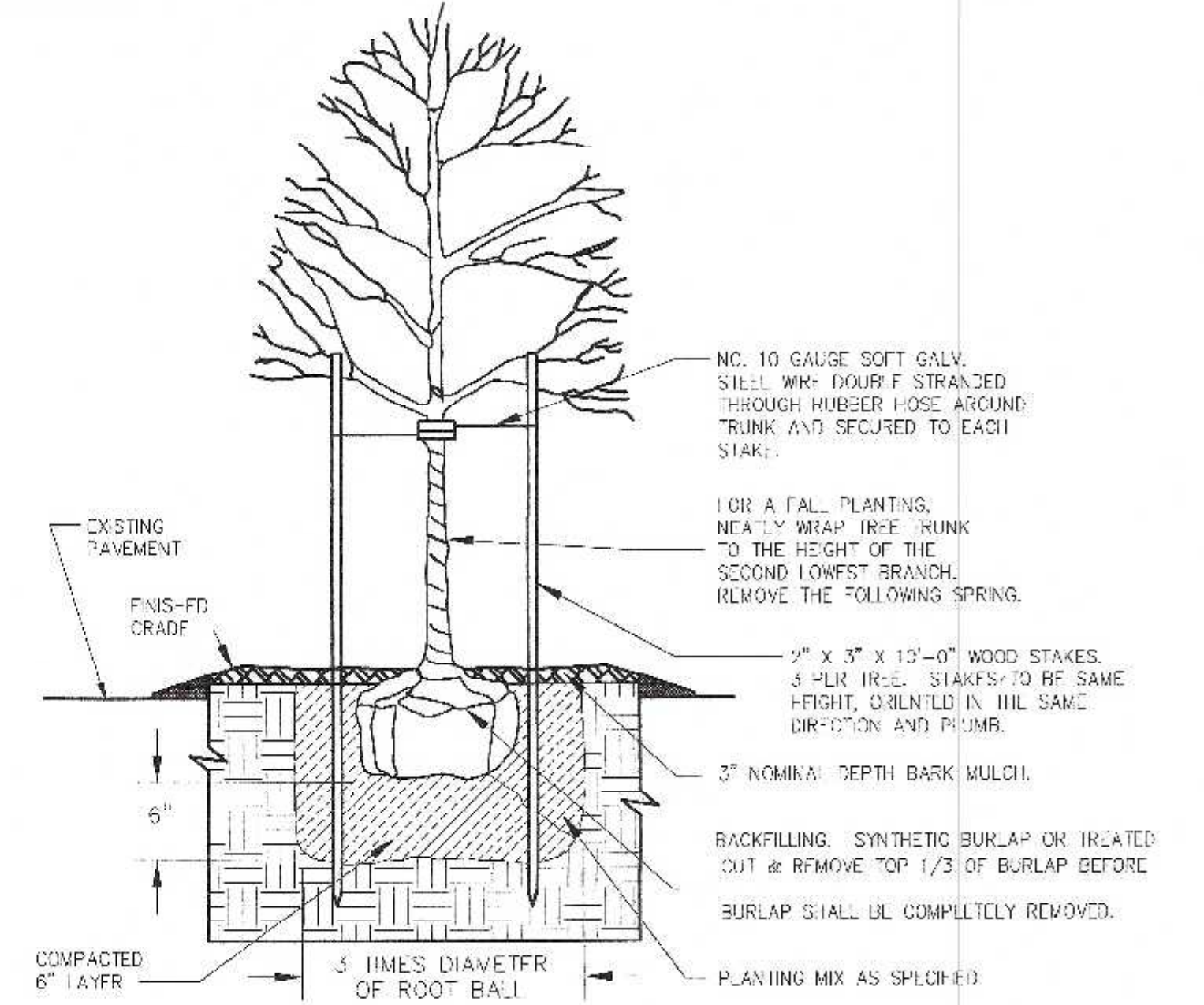
1. PLANTING HOLE SHALL BE THREE TIMES ROOT BALL DIAMETER.
2. ALL INSTALLED PLANT MATERIAL SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE (TOP OF PLANTING SOIL MIX), AS IT BORE TO THE NURSERY OR FIELD GRADE.
3. THE PLANTING HOLE DEPTH SHALL PROVIDE FOR A SIX INCH DEPTH OF PLANTING SOIL MIX BELOW THE ANTICIPATED ROOT BALL BOTTOM.
4. NOTWITHSTANDING THE REQUIREMENTS OF NOTES 1 & 3 ABOVE, NO PLANTING HOLE FOR TREES SHALL HAVE LESS THAN ONE CUBIC YARD OF PLANTING SOIL MIX.
5. PLANTING SOIL MIX SHALL BE A LOAM OR SANDY LOAM, AS DEFINED BY THE U.S.D.A. THE FIRST (BOTTOM) SIX INCH LAYER IN THE PRE-EXCAVATED PLANTING HOLE SHALL BE FIRMLY TAMPED TO PREVENT SETTLEMENT OF THE ROOT BALL POSITIONED THEREON. SUBSEQUENT LIFTS TO FINISH GRADE SHALL BE IN SIX INCH LOOSE LIFTS, EACH SETTLED BY THOROUGH SOAKING.
6. UPON ATTAINMENT OF FINISH GRADE WITHIN EACH PLANTING BED, THE GROUND SURFACE SHALL RECEIVE AN EVEN APPLICATION OF ORGANIC NON-PHOSPHORUS FERTILIZER APPLIED PER THE MANUFACTURERS RECOMMENDATIONS.
7. COVERED WITH A THREE INCH NOMINAL DEPTH OF SHREDDED CEDAR BARK (OR APPROVED EQUIVALENT), MAINTAINING A ONE INCH MINIMUM DEPTH AT THE BERM EDGE, AND IMMEDIATELY RISING TO A THREE INCH DEPTH ACROSS THE PLANTING BED OR LANDSCAPE ISLAND. (SEE DETAIL)

PLANTING SCHEDULE

NUMBER	COMMON NAME	SCIENTIFIC NAME	SIZE	CONDITION
4	AMERICAN ELM - AE	ULMUS AMERICANA	3"	B&B
4	RED MAPLE - RM	ACER RUBRUM	3"	B&B
28	ARBORVITAE - A	THUJA PLICATA	4 - 6 FEET	B&B

EXISTING TREE LEGEND:
 R - TO BE REMOVED
 K - TO REMAIN

PLANTINGS FOR 88 AND 94 EAST CENTRAL STREET AREAS - PER SECTION 185-21C(5) PROVIDE 1 TREE PER 10 PARKING SPACES
 - 42 PARKING SPACES LOCATED OUTSIDE OF BUILDING AND INSIDE OF BUILDING = 42 / 10 = 5 TREES
 8 TREES PROVIDED.
 - ALL PLANTINGS ARE IN ACCORDANCE WITH THE TOWN OF FRANKLIN BEST DEVELOPMENT PRACTICES GUIDEBOOK.



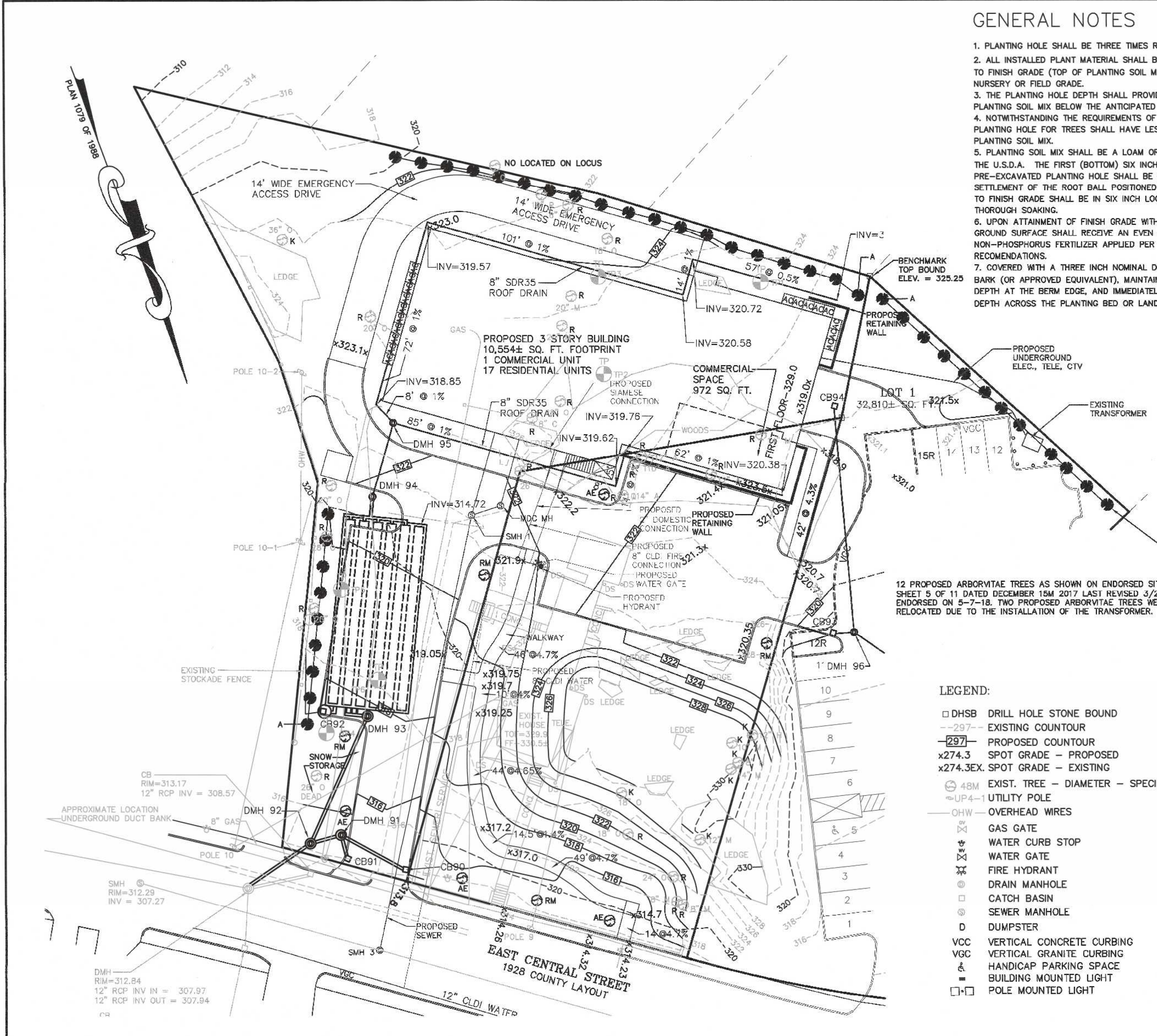
OWNER:
 MAP 286 PARCELS 32 AND 34
 70 EAST CENTRAL STREET, LLC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 OWNER MAP 286 PARCEL 33
 JOHN AND CARMEL SHERRY
 88 EAST CENTRAL STREET
 APPLICANT:
 70 EAST CENTRAL STREET, LLC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS

MAP 286 PARCELS 32 AND 34 ARE TO BE COMBINED. MAP 286 PARCEL 33 HAS A PROPOSED EASEMENT FOR ACCESS AND UTILITIES.



CARLOS A. QUINTAL P.E. #30812

SITE PLAN MODIFICATION
 PLANTING PLAN
 70, 72, 88 AND 94 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
 70 EAST CENTRAL STREET, LLC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 DECEMBER 24, 2021
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12 PROPOSED ARBORVITAE TREES AS SHOWN ON ENDORSED SITE PLAN SHEET 5 OF 11 DATED DECEMBER 15M 2017 LAST REVISED 3/28/18 AND ENDORSED ON 5-7-18. TWO PROPOSED ARBORVITAE TREES WERE RELOCATED DUE TO THE INSTALLATION OF THE TRANSFORMER.

LEGEND:

□	DHSB DRILL HOLE STONE BOUND
-297-	EXISTING COUNTOUR
-297-	PROPOSED COUNTOUR
x274.3	SPOT GRADE - PROPOSED
x274.3EX	SPOT GRADE - EXISTING
48M	EXIST. TREE - DIAMETER - SPECIES
UP4-	UTILITY POLE
OHW	OVERHEAD WIRES
G	GAS GATE
W	WATER CURB STOP
WG	WATER GATE
FH	FIRE HYDRANT
DMH	DRAIN MANHOLE
CB	CATCH BASIN
SMH	SEWER MANHOLE
D	DUMPSTER
VCC	VERTICAL CONCRETE CURBING
VGC	VERTICAL GRANITE CURBING
P	HANDICAP PARKING SPACE
M	BUILDING MOUNTED LIGHT
□	POLE MOUNTED LIGHT

SITE PLAN APPROVAL
 REQUIRED
 FRANKLIN PLANNING BOARD

DATE _____

GRAPHIC SCALE

(IN FEET)
 1 inch = 20 ft

NO.	DATE	DESCRIPTION	BY

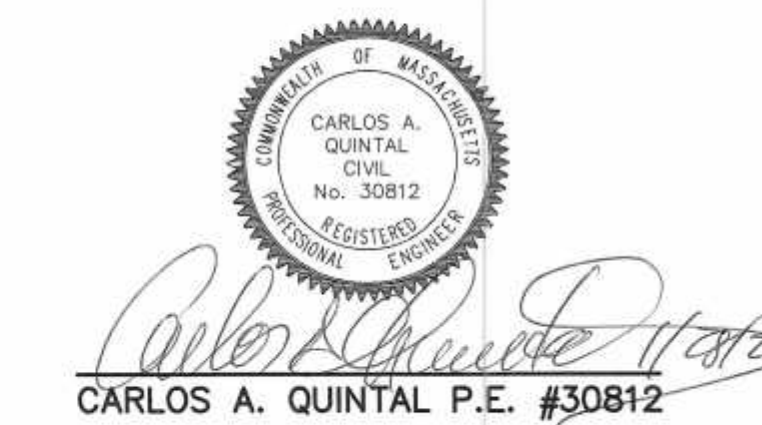
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UNITED CONSULTANTS INC.

850 FRANKLIN STREET SUITE 11D
 WRENTHAM, MASSACHUSETTS 02093
 508-384-8560 FAX 508-384-8568

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SHEET	5 of 9

OPERATION AND MAINTENANCE PLAN



CONSTRUCTION PHASE

1. THE OWNERS REPRESENTATIVE, BRAD CHAFFEE (1-508-331-6181), SHALL BE THE RESPONSIBLE PARTY FOR THE STORMWATER MAINTENANCE PLAN.
2. THE SITE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES WEEKLY AND AFTER ALL RAIN EVENTS.
3. SEDIMENT SHALL BE REMOVED FROM COMPOST SOCK WHEN A MAXIMUM DEPTH OF 6" IS OBSERVED OR AS NEEDED.
4. CONSTRUCTION ENTRY MAT SHALL BE INSPECTED WEEKLY AND AFTER ALL RAIN EVENTS. SEE DETAIL FOR MAINTENANCE REQUIREMENTS.
5. DAMAGED OR DETERIORATED COMPOST SOCK AREAS SHALL BE REPLACED IMMEDIATELY.
6. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND ALL DISTURBED AREAS ARE STABILIZED.
7. SILT SAKS SHALL BE INSTALLED AT ALL CATCH BASINS AND SHALL BE INSPECTED WEEKLY AND AFTER ALL RAIN EVENTS.
8. CLEANING OF SILT SAKS SHALL BE COMPLETED AS NECESSARY.
9. THE STORMCEPTOR UNITS SHALL BE CLEANED WITH A VACUUM TRUCK.

INSPECTION AND MAINTENANCE SCHEDULE:

1. INSPECTIONS SHALL BE CONDUCTED BY THE APPLICANTS ENGINEER, CONTRACTOR AND / OR REPRESENTATIVES OF THE TOWN AS NECESSARY. AT A MINIMUM INSPECTIONS SHALL BE CONDUCTED ON A MONTHLY BASIS.
2. MONTHLY INSPECTIONS SHALL INCLUDE THE PARKING LOT SURFACE TO DETERMINE IF ACCUMULATED SEDIMENT ARE TO BE REMOVED.
3. INSPECTIONS OF THE STORMCEPTOR UNITS TO DETERMINE DEPTH OF SEDIMENT AND REQUIRED CLEANING.
4. INSPECTION OF THE EXISTING CATCH BASINS TO DETERMINE THE DEPTH OF SEDIMENT AND REQUIRED CLEANING.
5. INSPECTION OF POND 94, THE EXISTING PONDS TO DETERMINE IF CLEANING IS NECESSARY.

CONSTRUCTION PHASE:

1. THE EROSION CONTROL BARRIERS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER ALL STORM EVENTS.
2. ONCE THE PARKING LOT HAS BEEN PAVED DAILY INSPECTIONS SHALL BE CONDUCTED TO DETERMINE THE NECESSITY TO REMOVE ANY ACCUMULATED SEDIMENT. THE REMOVAL OF THE ACCUMULATED SEDIMENT SHALL BE COMPLETED ON THE DAY THE DETERMINATION IS MADE.
3. SILT SAKS SHALL BE INSTALLED AT THE STORMCEPTOR UNITS, CATCH BASIN 91 AND CB97 AND THE TWO CATCH BASINS ON 70 - 72 EAST CENTRAL STREET SITE. ONCE INSTALLED THEY SHALL BE INSPECTED ON A WEEKLY BASIS AND CLEANED AS NECESSARY.
4. THE STORMCEPTOR UNITS SHALL BE INSPECTED ON A WEEKLY BASIS AND CLEANED WHEN THE SEDIMENT DEPTH REACHES 8"
5. THE POND SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED WHEN 2" OF SEDIMENT HAS ACCUMULATED AT THE INLET. ANY TRASH OR CONSTRUCTION DEBRIS SHALL BE IMMEDIATELY REMOVED. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED DEPENDING ON ACTUAL FIELD CONDITIONS DURING CONSTRUCTION.

LONG TERM:

1. THE PARKING LOT SHALL BE SWEEPED TWICE PER YEAR WITH ONE BEING AFTER THE LAST WINTER SANDING.
2. THE STORMCEPTORS SHALL BE INSPECTED 4 TIMES PER YEAR AND SEDIMENT REMOVED WHEN THE DEPTH REACHES 8 INCHES
3. THE PONDS SHALL BE INSPECTED AND PREVENTIVE MAINTENANCE PERFORMED TWICE PER YEAR. THE PONDS SHALL BE INSPECTED AFTER EVERY STORM EVENT EXCEEDING 1 INCH OF RAINFALL FOR THE FIRST 3 MONTHS AND THEN TWICE PER YEAR THEREAFTER AND WHEN THERE ARE DISCHARGES THROUGH THE HIGH OUTLET.
4. DURING INSPECTIONS OF STORM-WATER FACILITIES ANY TRASH OR DEBRIS DISCOVERED SHALL BE IMMEDIATELY REMOVED.

NOTES:

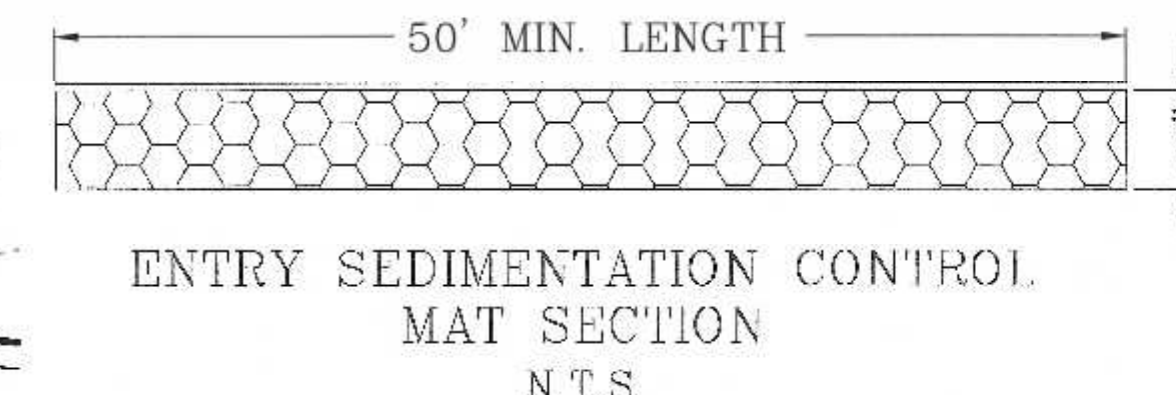
1. ANY AREA NOT BEING ACTIVELY WORKED FOR 14 DAYS SHALL BE TEMPORARILY STABILIZED.
2. UPON COMPLETION OF GRADING ACTIVITIES THE AREA SHALL BE STABILIZED OR PLANTED WITHIN 7 DAYS.
3. NON-PHOSPHORUS FERTILIZER SHALL BE APPLIED AS NECESSARY.
4. NON-HALOGENATED ICE MELT SHALL BE APPLIED AS NECESSARY.

PROJECT NARRATIVE:

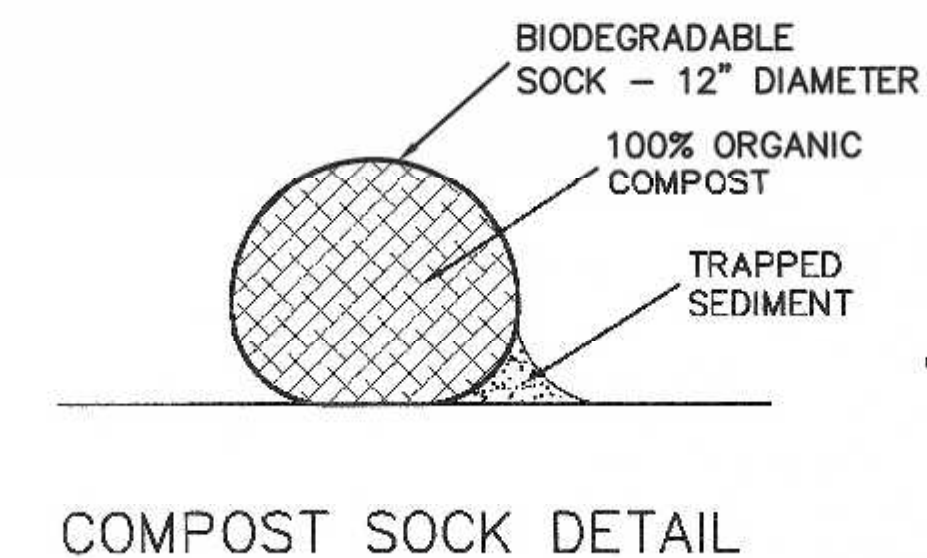
THE PROJECT CONSISTS OF THE DEMOLITION OF AN EXISTING BUILDING AND IMPROVEMENTS. UPON RECEIPT OF ALL NECESSARY APPROVALS THE APPLICANT WILL FILE FOR AND OBTAIN THE NECESSARY ADDITIONAL PERMITS INCLUDING SEWER AND WATER CONNECTION PERMITS, STREET OPENING PERMITS AND BUILDING PERMIT. UPON SECURING ALL THE NECESSARY PERMITS THE PROJECT WILL MOVE TO THE CONSTRUCTION PHASE AND WILL BE COMPLETED BASED ON THE CONSTRUCTION SEQUENCE.

EROSION CONTROL NOTES:

1. COMPOST SOCK SHALL BE INSTALLED PRIOR TO TREE CLEARING OR SITE WORK COMMENCING.
2. ENTRY MAT TO BE INSTALLED.
3. COMPOST SOCK TO REMAIN IN CONTACT WITH THE EARTH. REPAIR OR RESET AS NECESSARY.
4. SLOPES GREATER THAN 3' HORIZONTAL TO 1' VERTICAL SHALL BE STABILIZED WITH HYDROSEED, SECURED GEOTEXTILE FABRIC OR RIPRAP AS REQUIRED TO PREVENT EROSION. ALL SLOPE FLATTER THAN 3' HORIZONTAL TO 1' VERTICAL SHALL BE HYDROSEEDDED.
5. STORMCEPTOR UNITS, CATCH BASINS AND PARKING AREA TO BE CLEANED ONCE CONSTRUCTION IS COMPLETED.
6. ALL SEDIMENT COLLECTED DURING THE CONSTRUCTION PHASE OR POST CONSTRUCTION PHASE SHALL BE DISPOSED OF TO AN APPROVED LOCATION.
7. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED THE EROSION CONTROL MEASURES SHALL BE REMOVED.
8. DAMAGED OR DETERIORATED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY AFTER THEY HAVE BEEN IDENTIFIED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSPECTIONS.
10. DUST CONTROL WILL BE BY SPRAYING WATER AS NECESSARY. THE USE OF OILS, PETROLEUM PRODUCTS OR TOXIC LIQUIDS FOR DUST CONTROL IS PROHIBITED.



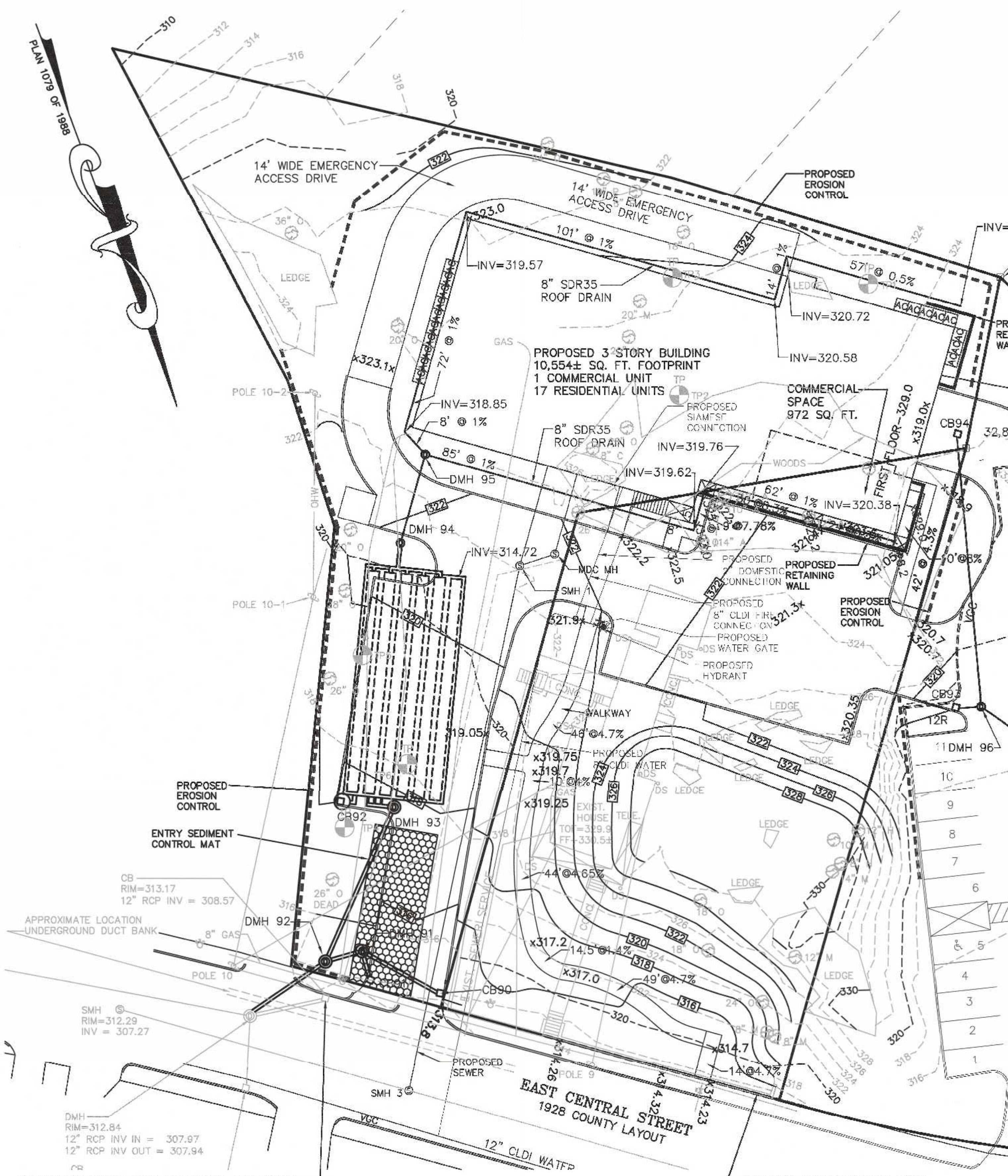
ENTRY SEDIMENTATION CONTROL MAT SECTION N.T.S.



COMPOST SOCK DETAIL

NOTES:

1. PAD SHALL BE A MINIMUM OF 20 FEET IN WIDTH. EXISTING ASPHALT DRIVE TO REMAIN IN PLACE UNTIL FINAL PAVEMENT IS TO BE INSTALLED.
2. PAD SHALL CONSIST OF 4" STONE 8" MIN. DEPTH AND THEN TOP DRESSED WITH 4" OF 1" - 2" WASHED STONE.



IF PERMITTED BY THE TOWN OF FRANKLIN DPW, INSTALL CATCH BASIN INLET PROTECTION AT EXISTING CATCH BASIN.

PROPOSED EROSION CONTROL TO BE SET ON THE PROPERTY AFTER THE REMOVAL OF THE EXISTING RETAINING WALL AND GRADING THE AREA TO THE ELEVATIONS OF THE EXISTING SIDEWALK.

OWNER:
 MAP 286 PARCELS 32 AND 34
 70 EAST CENTRAL STREET, LLC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS

OWNER MAP 286 PARCEL 33
 JOHN AND CAMEL SHERRY
 88 EAST CENTRAL STREET

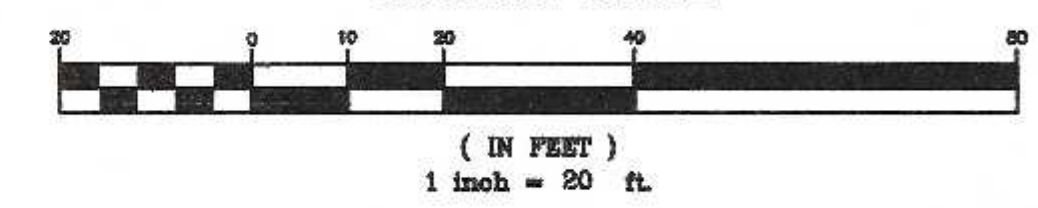
APPLICANT:
 70 EAST CENTRAL STREET, LLC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS

SITE PLAN MODIFICATION
 EROSION CONTROL PLAN
 70, 72, 88 AND 94 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
 70 EAST CENTRAL STREET, LLC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 DECEMBER 24, 2021
 SCALE: 1" = 20'

SITE PLAN APPROVAL
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 FRANKLIN PLANNING BOARD

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GRAPHIC SCALE

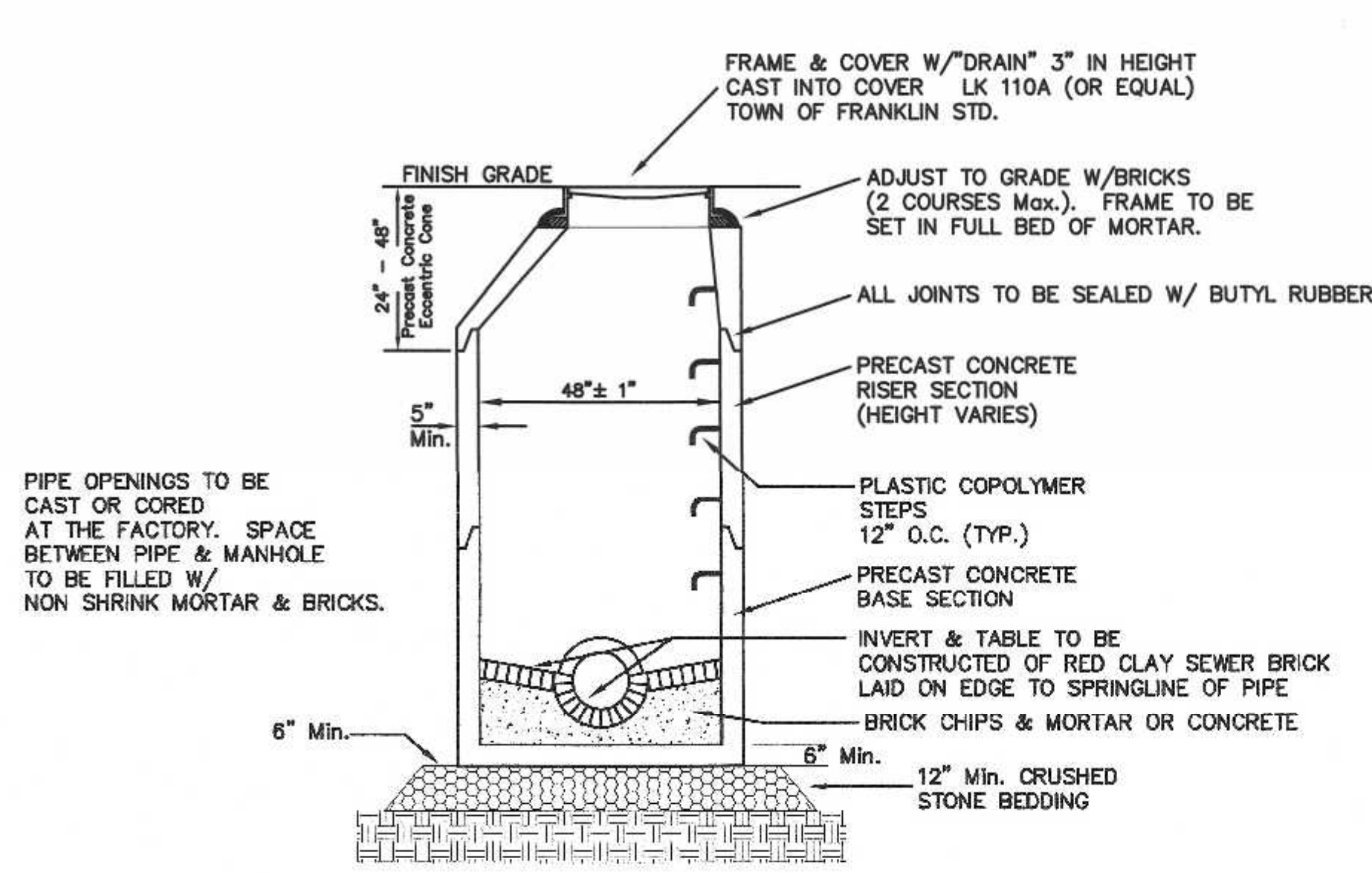


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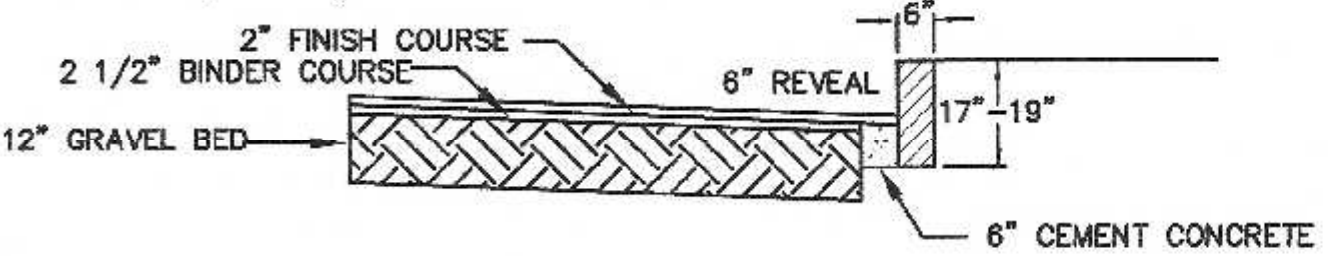
UNITED
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 850 FRANKLIN STREET SUITE 11D
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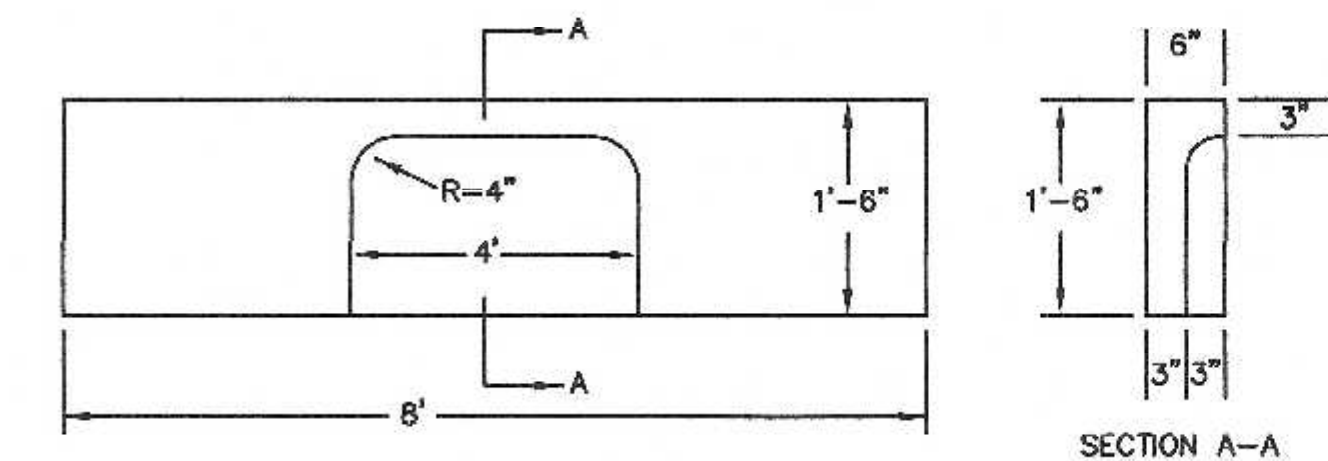


PRECAST DRAIN MANHOLE

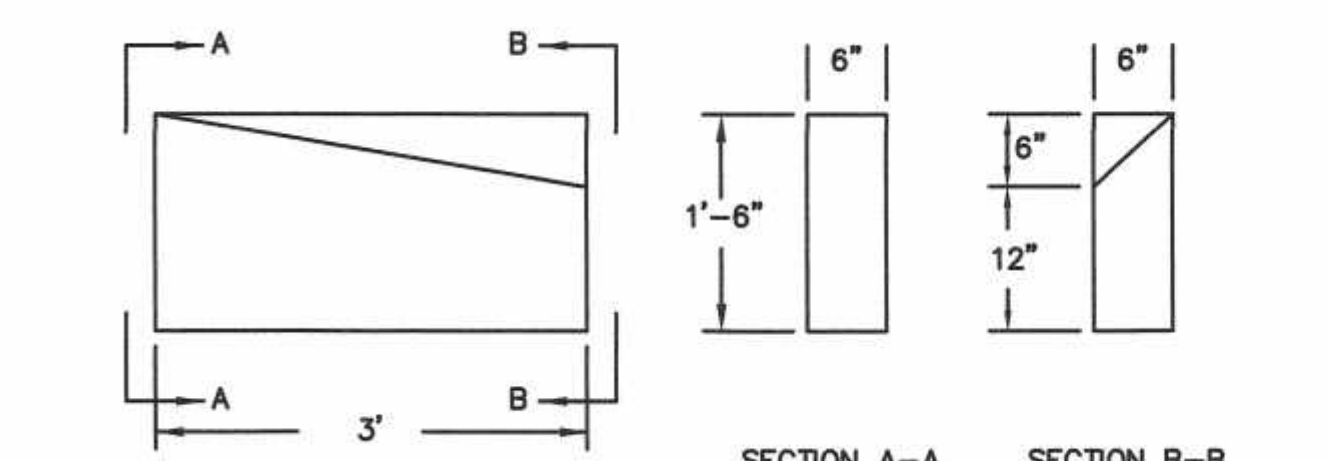
NOTE: GRAVEL UNDER PAVEMENT AND SIDEWAYS TO BE M1.03.C (TYP. B)



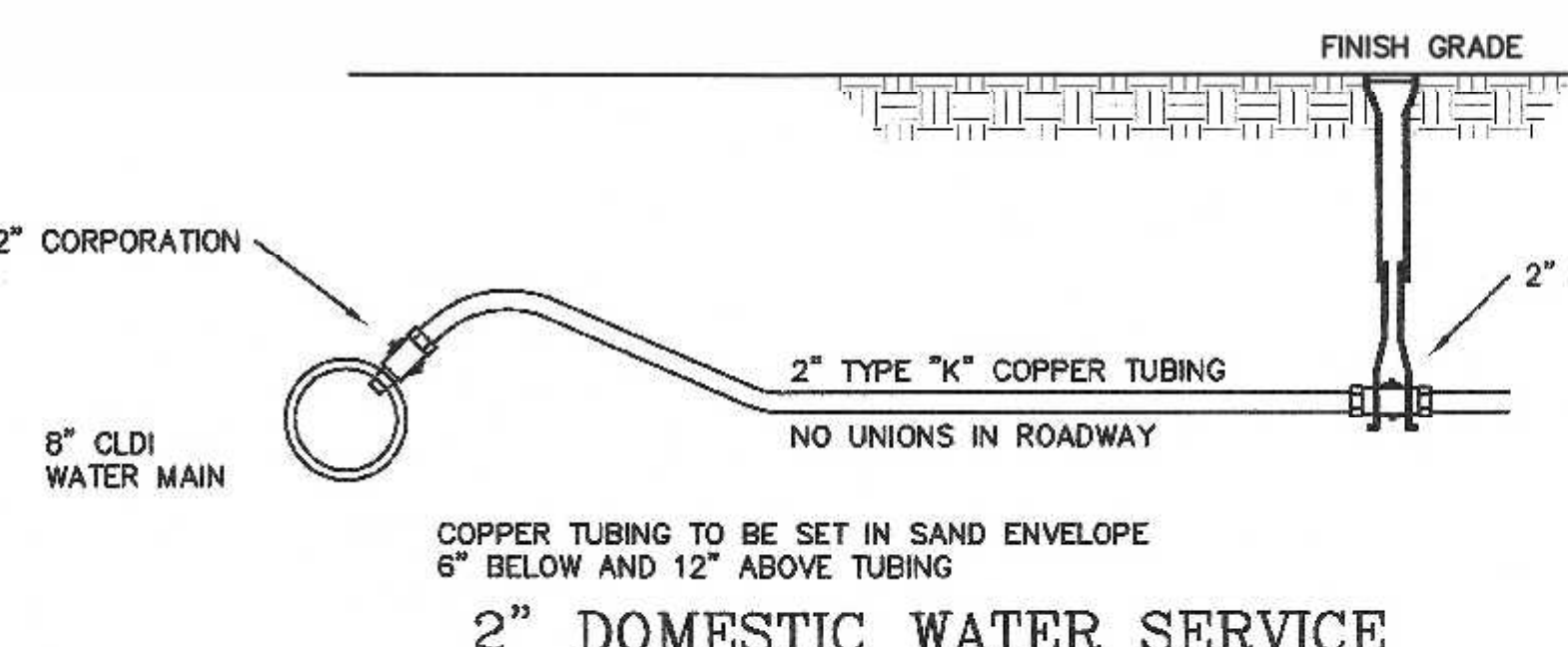
PAVEMENT AND VA-4 VERTICAL GRANITE CURBING



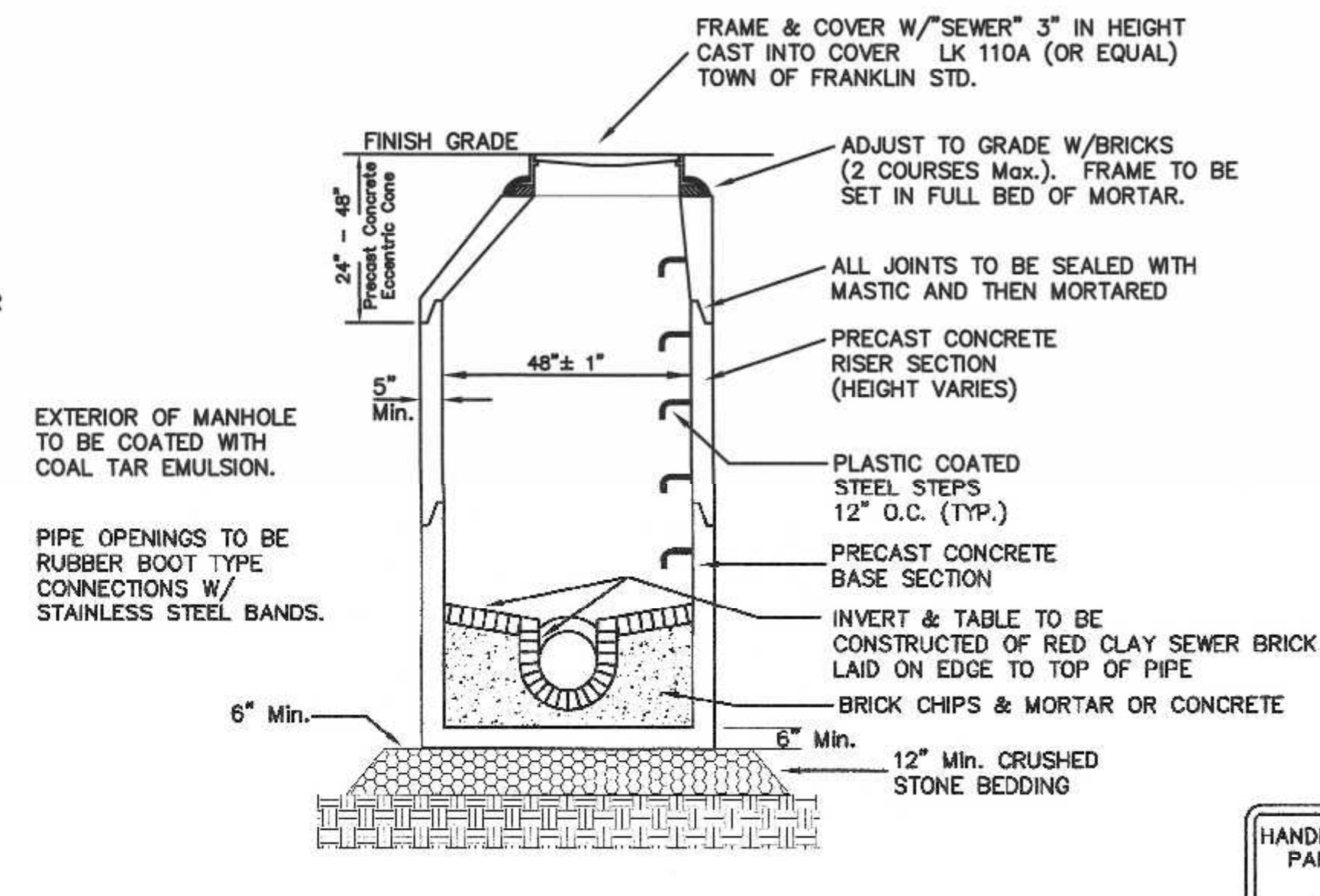
GRANITE CURB INLET DETAIL



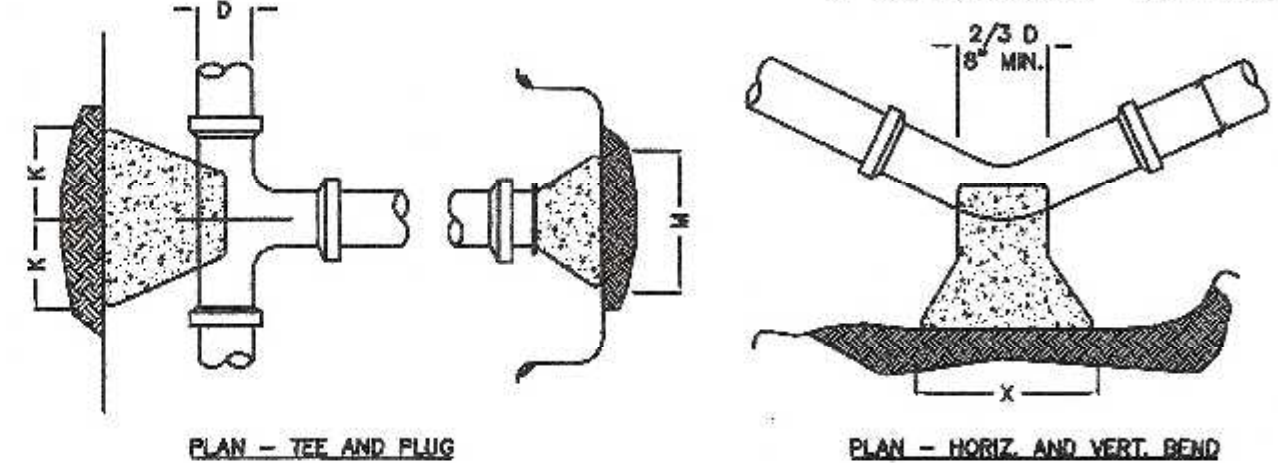
GRANITE CURB TRANSITION DETAIL



2" DOMESTIC WATER SERVICE



PRECAST SEWER MANHOLE



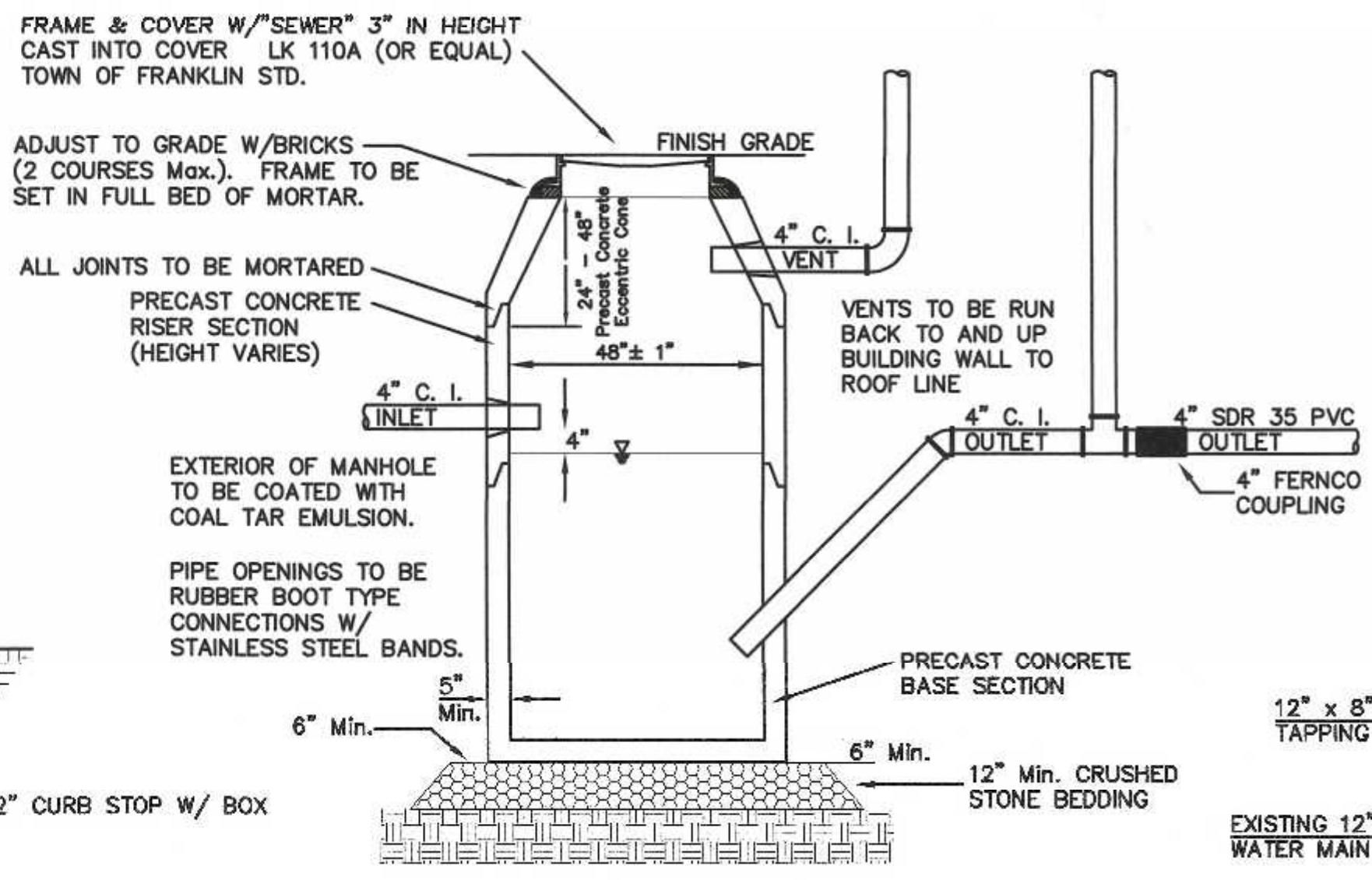
SIZE OF BRANCH	J	K	L	M	N	D
4" TO 6"	10"	10"	1'-0"	2'-0"	1'-6"	10"
10" TO 16"	1'-0"	1'-6"	1'-6"	3'-10"	2'-10"	1'-6"
24"	1'-4"	2'-0"	2'-6"	5'-0"	3'-8"	1'-8"

TEES AND PLUGS

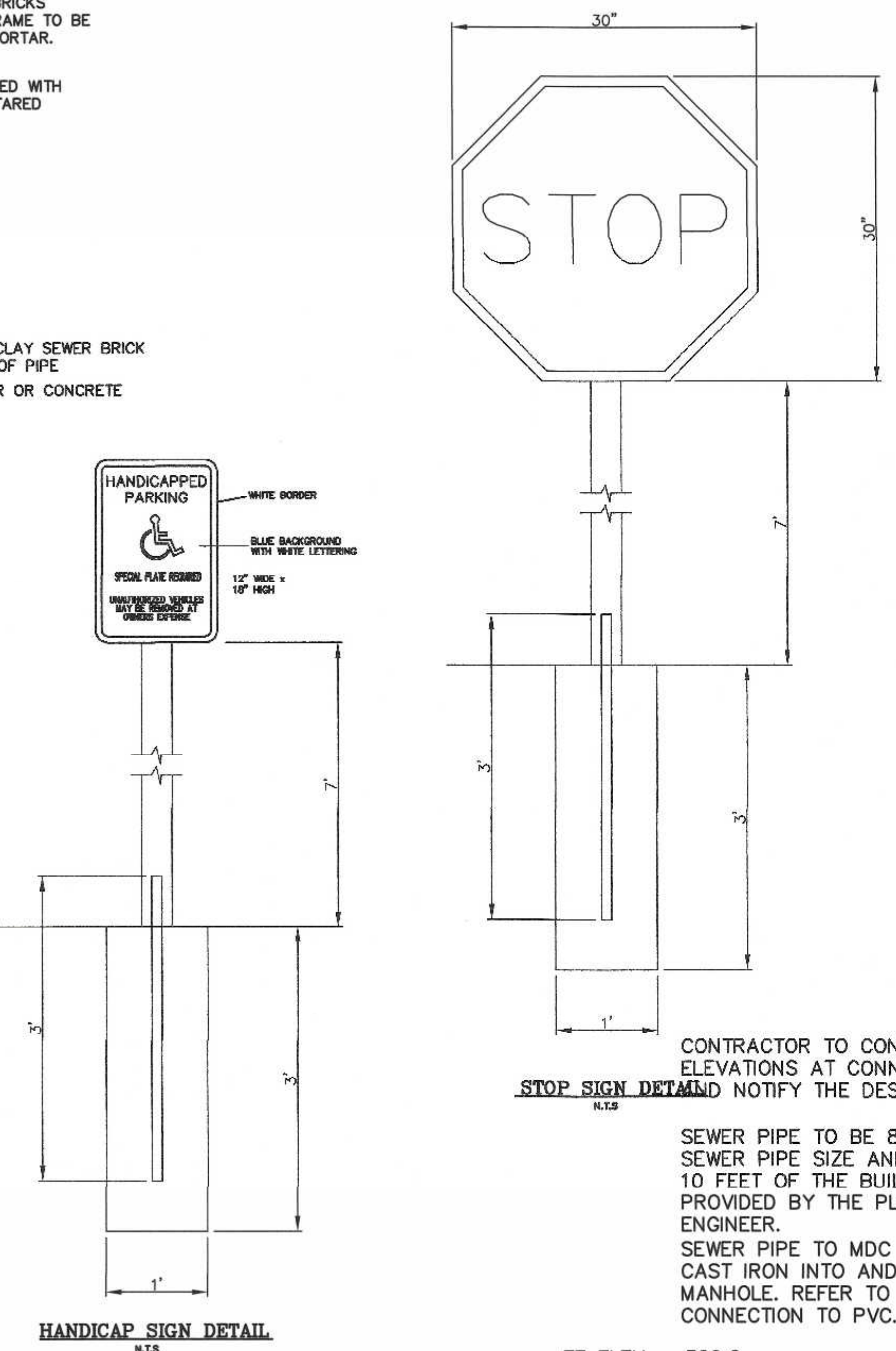
90 & 45 BENDS	22 1/2 & 11 1/4
D 4" TO 6" 10" TO 16" 24"	4" TO 6" 10" TO 16" 24"
X 1'-8" 3'-4" 3'-6" 1'-4"	2'-0" 3'-6"
Y 1'-2" 1'-8" 2'-4" 1'-0"	1'-2" 2'-4"

BENDS

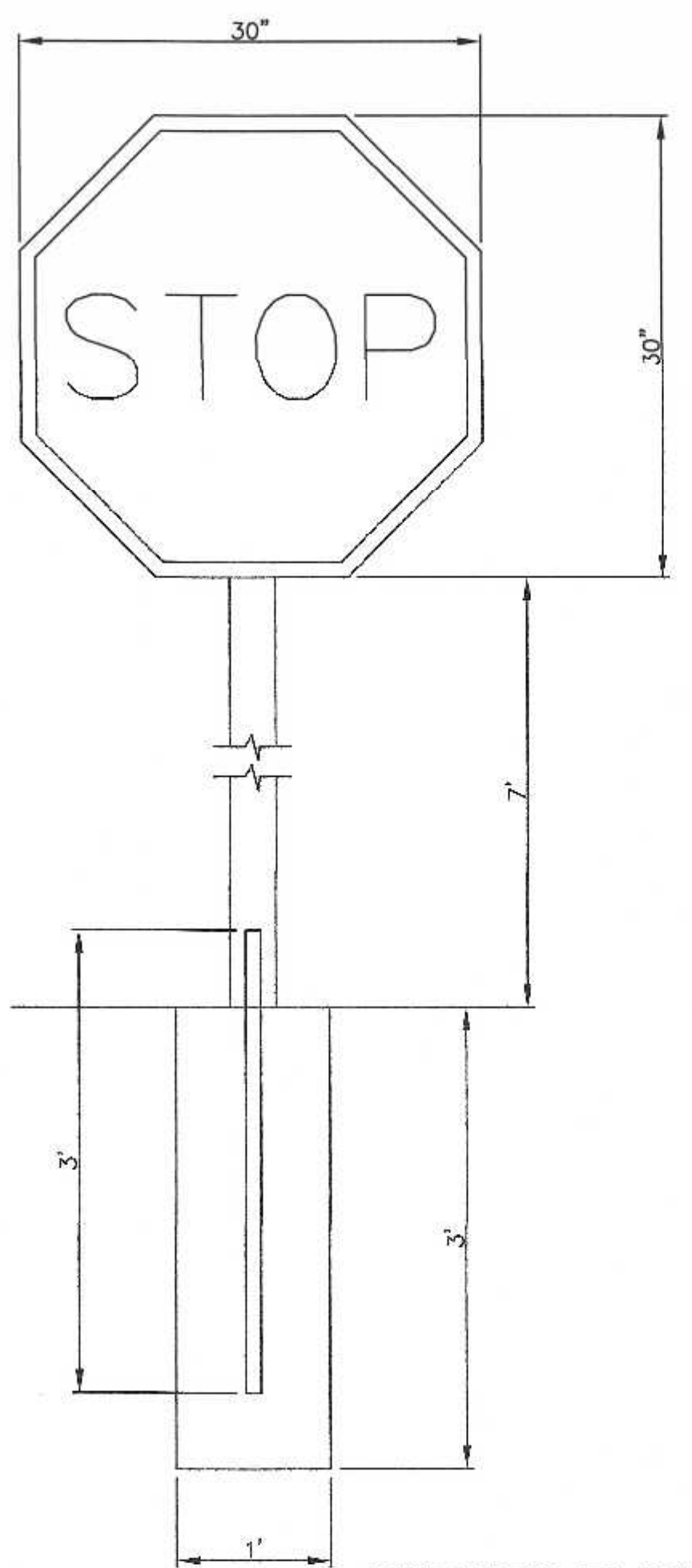
THRUST BLOCK DETAILS



M.D.C. STYLE TRAP

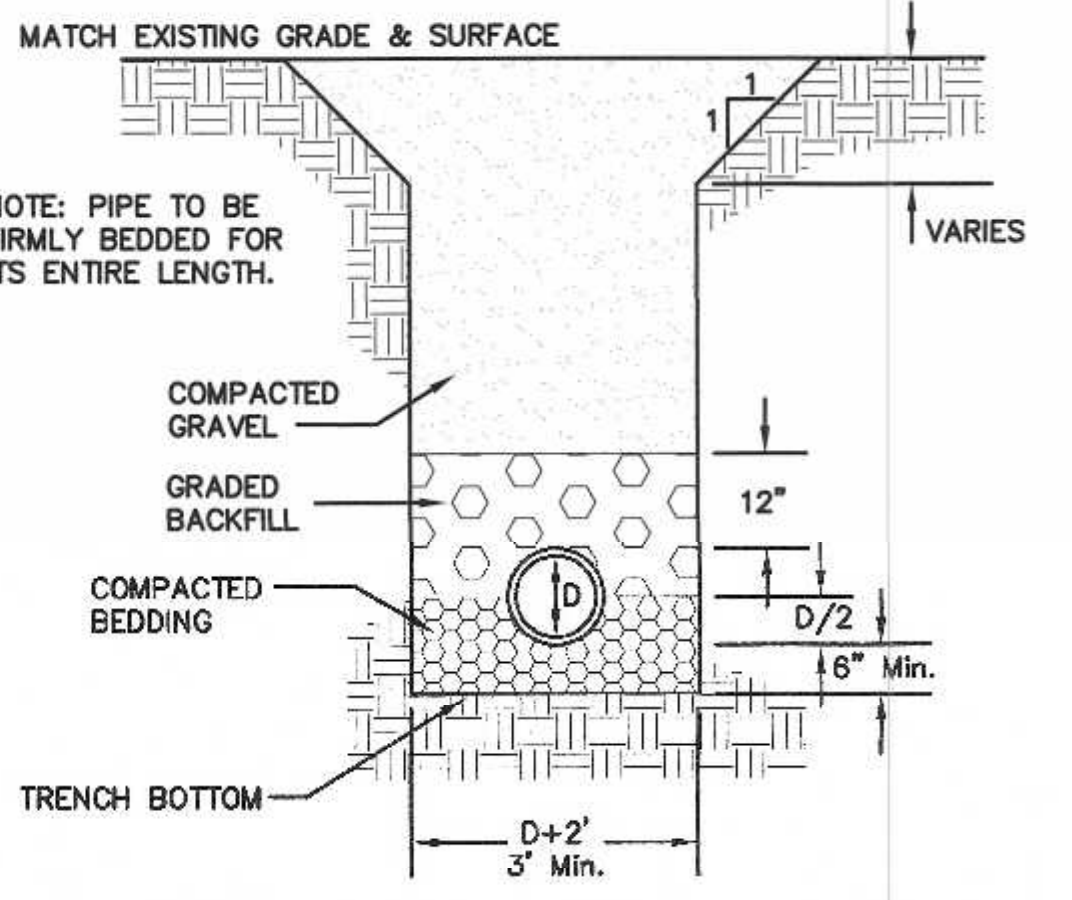


HANDICAP SIGN DETAIL



UTILITY TRENCH DETAIL

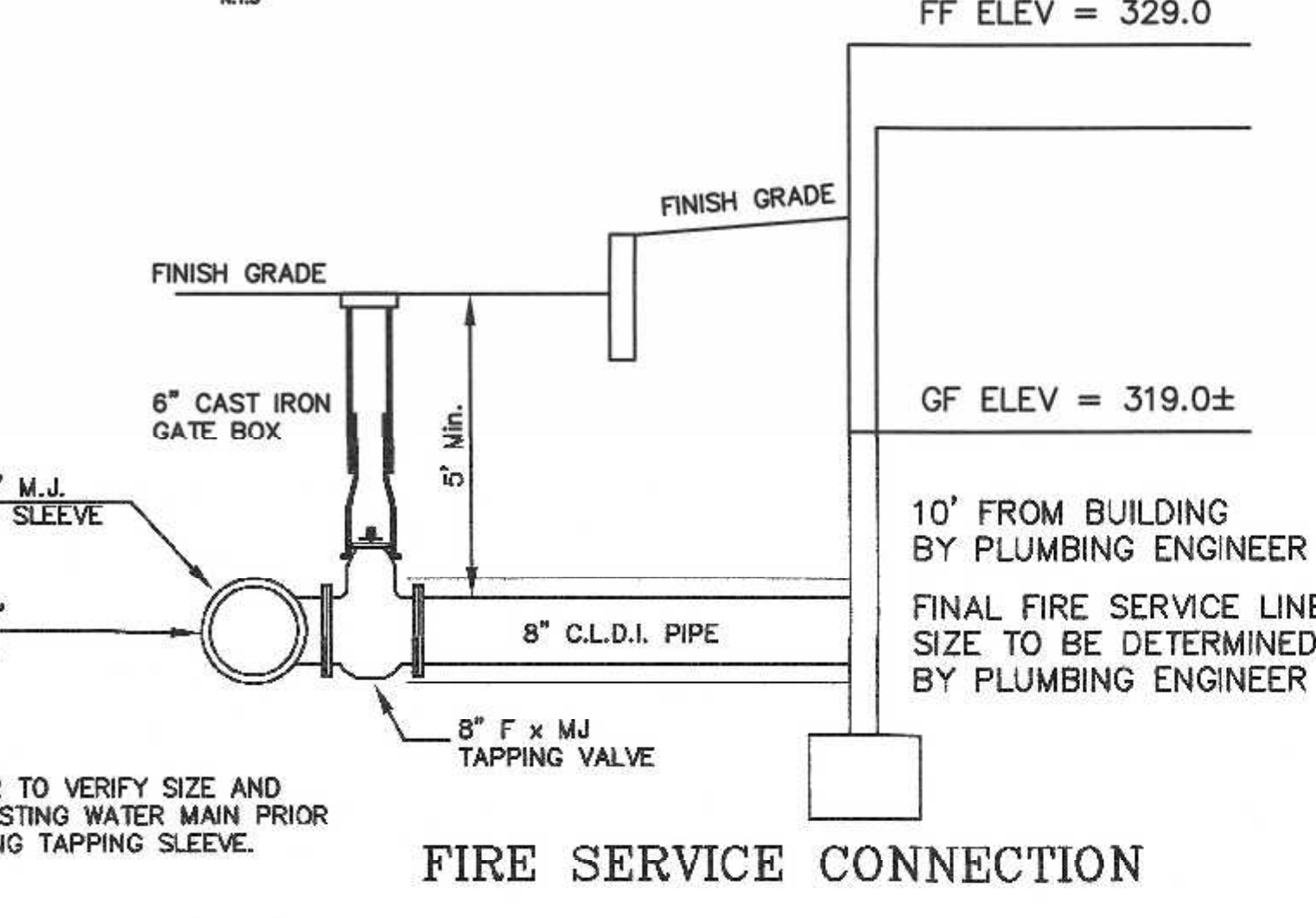
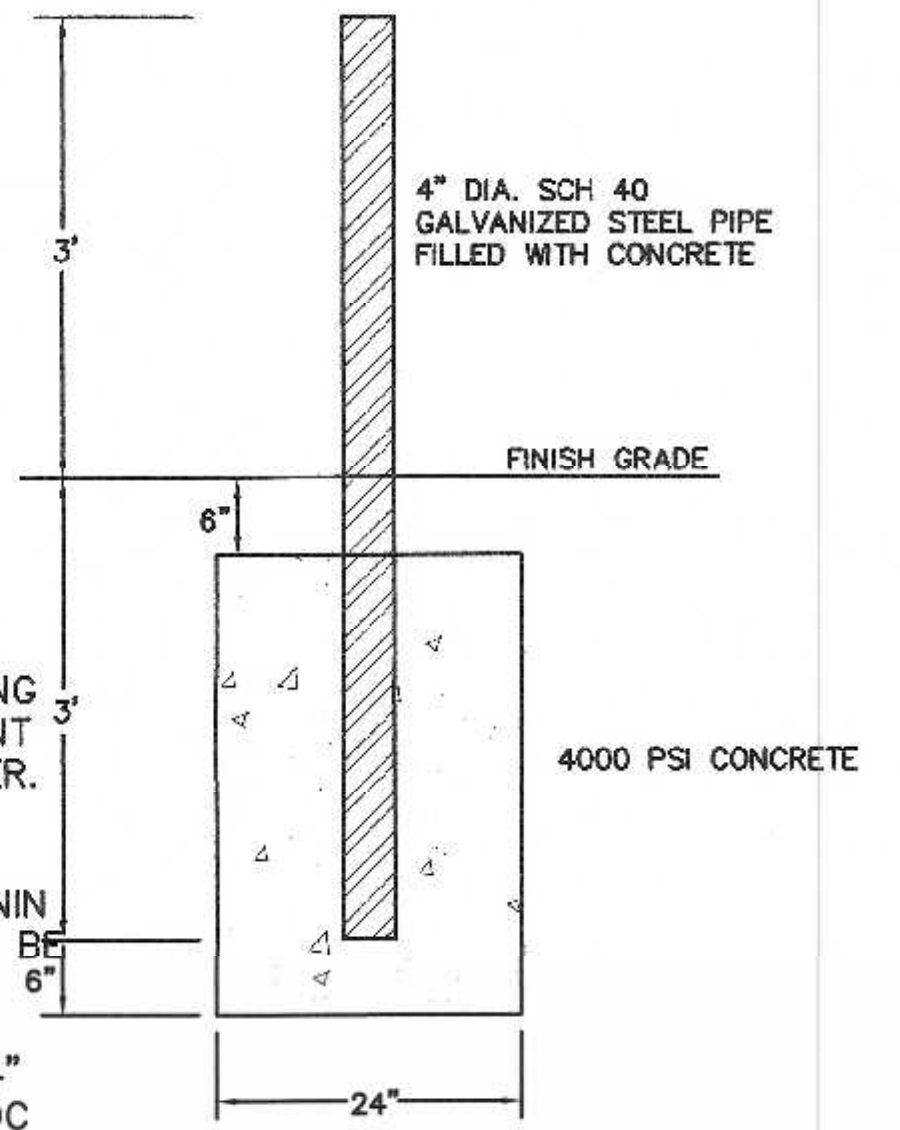
TYPE OF PIPE	RCP DRAIN	CLDI WATER	PVC SEWER	D.I. SEWER
BEDDING	SAND	SAND	3/4" STONE	3/8" STONE
MATERIAL	PROC. GRAVEL	SAND	3/4" STONE	3/8" STONE
BACKFILL	ORD. FILL	SAND	3/4" STONE	3/8" STONE



CONTRACTOR TO CONFIRM EXISTING ELEVATIONS AT CONNECTION POINT. STOP SIGN DETAIL NOTIFY THE DESIGN ENGINEER.

SEWER PIPE TO BE 8" SDR 35. SEWER PIPE SIZE AND TYPE WITHIN 10 FEET OF THE BUILDING SHALL BE PROVIDED BY THE PLUMBING ENGINEER. SEWER PIPE TO MDC SHALL BE 4" CAST IRON INTO AND OUT OF MDC MANHOLE. REFER TO DETAIL FOR CONNECTION TO PVC.

BOLLARD DETAIL



FIRE SERVICE CONNECTION

- NOTES:
- CONTRACTOR TO CONTACT DIGSAFE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES ANY REPORT ANY DISCREPANCIES TO UNITED CONSULTANTS, INC.
 - ALL WORK SHALL CONFORM TO THE TOWN OF FRANKLIN DPW STANDARDS.
 - MAINTAIN A MINIMUM OF 10' SEPARATION FROM THE WATER SERVICE TO THE SEWER SERVICE.

OWNER: MAP 286 PARCELS 32 AND 34 70 EAST CENTRAL STREET, LLC 37 EAST CENTRAL STREET FRANKLIN, MASSACHUSETTS

OWNER MAP 286 PARCEL 33 JOHN AND CARMEL SHERRY 88 EAST CENTRAL STREET

APPLICANT: 70 EAST CENTRAL STREET, LLC 37 EAST CENTRAL STREET FRANKLIN, MASSACHUSETTS

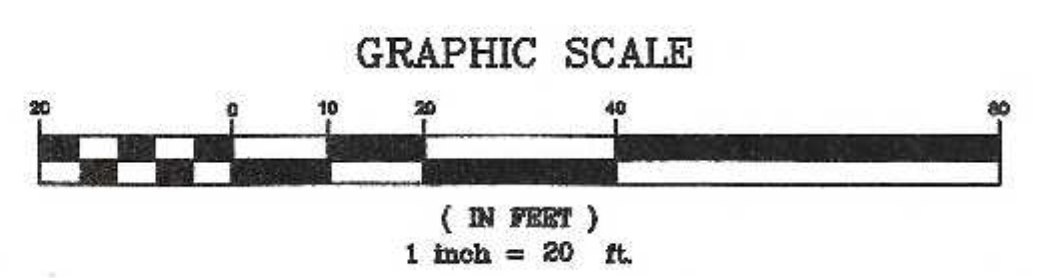
SITE PLAN MODIFICATION CONSTRUCTION DETAIL PLAN - 1
70, 72, 88 AND 94 EAST CENTRAL STREET FRANKLIN, MASSACHUSETTS
PREPARED FOR 70 EAST CENTRAL STREET, LLC 37 EAST CENTRAL STREET FRANKLIN, MASSACHUSETTS
DECEMBER 24, 2021
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CARLOS A. QUINTAL P.E. #30812

SITE PLAN APPROVAL REQUIRED
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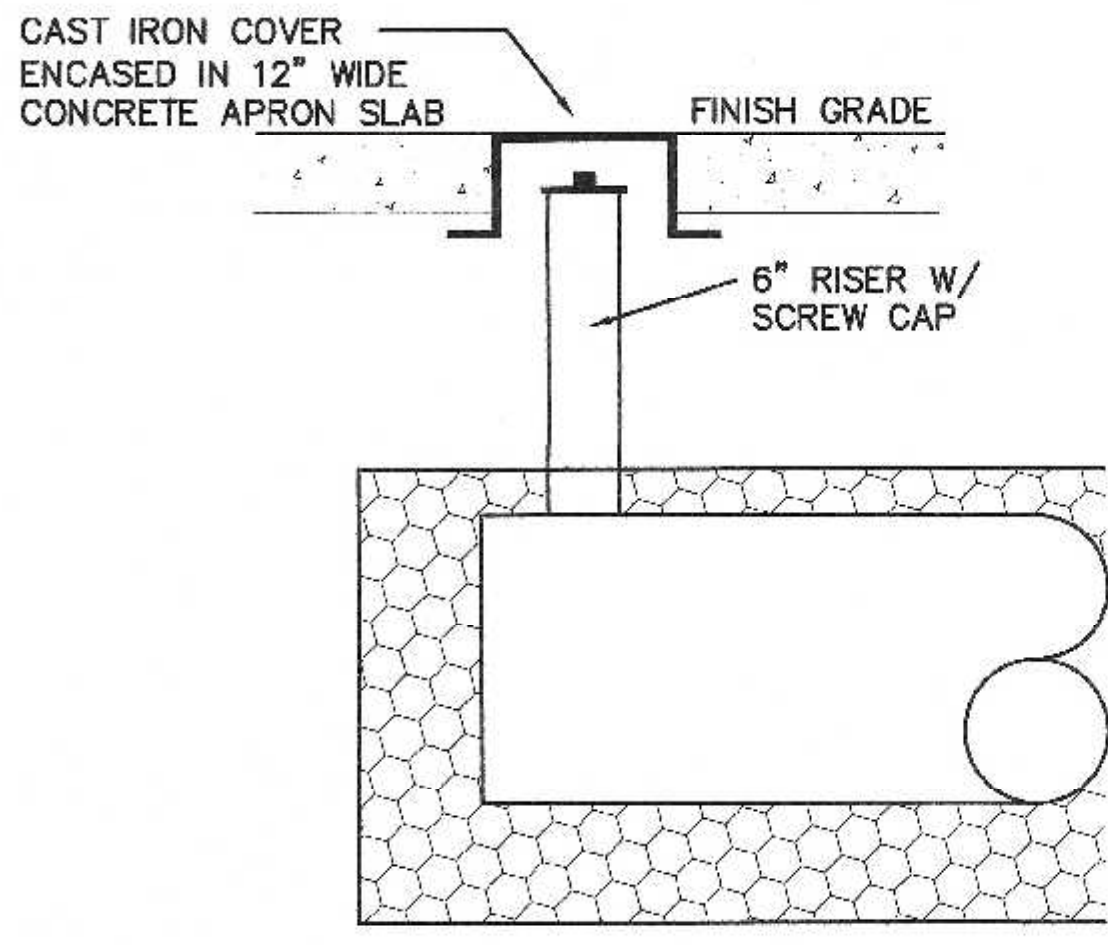
CSR	Hydro Conduit		DR. BY:
	STC 4501 Precast Concrete Stormceptor® (450 US Gallon Capacity)		CK. BY:
	PROJECT LOCATION:		DATE:
			SCALE: N.T.S.
		DWG.#	

SECTION THRU CHAMBER

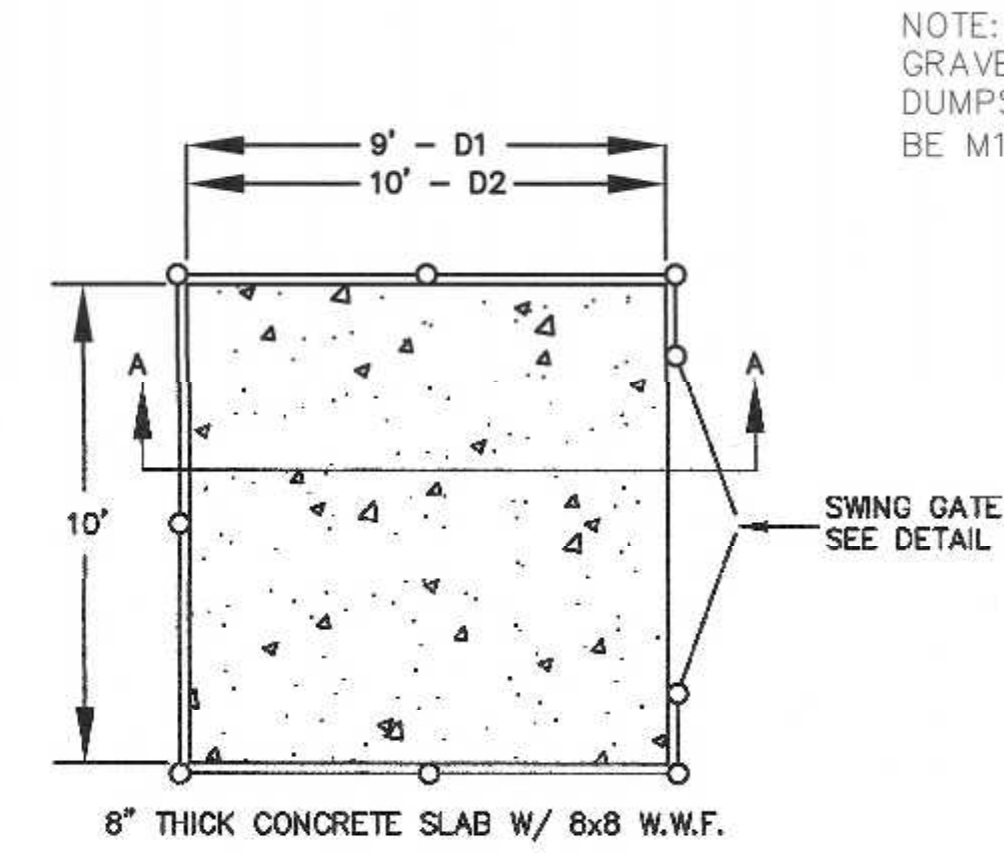
SECTION THRU PLAN VIEW

NOTE:

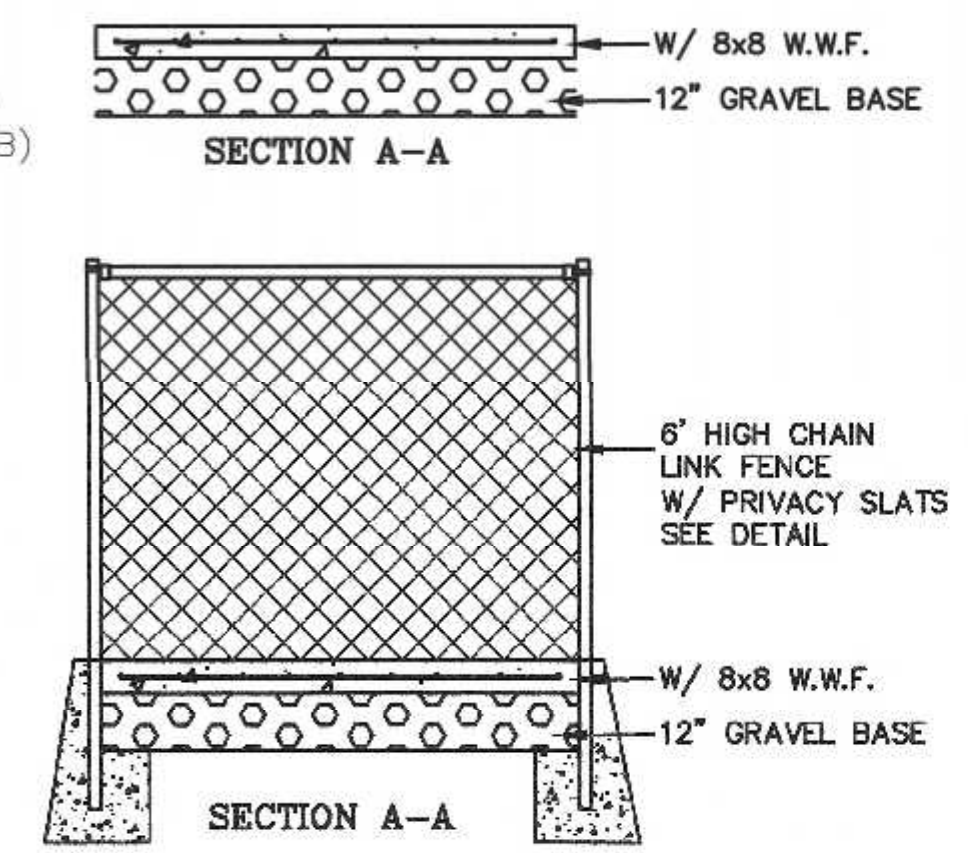
- THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
- THE COVER SHOULD BE POSITIONED OVER THE CLEANOUT/VENT PIPE.
- THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181.



**INSPECTION PORT DETAIL
DRAINAGE INFILTRATION AREAS**
N.T.S.

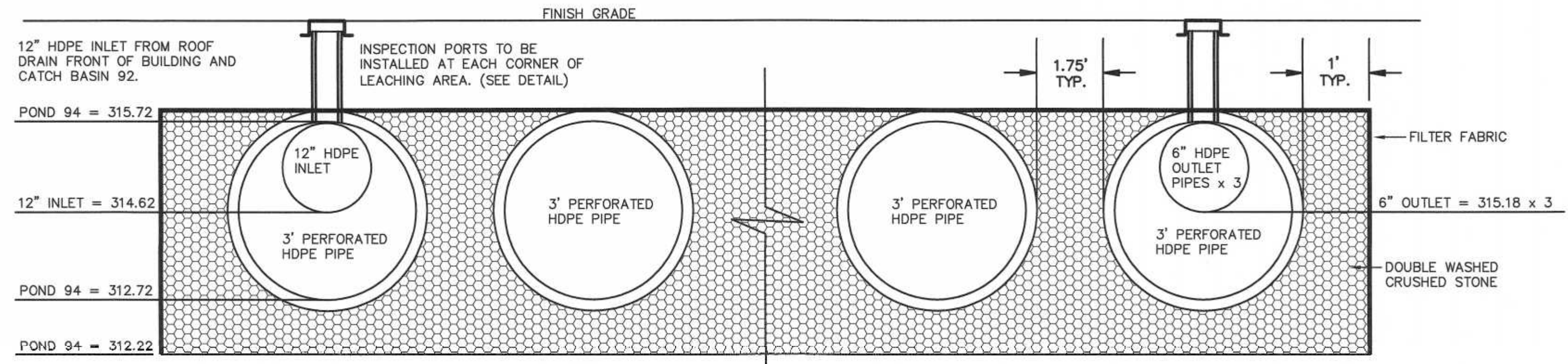


CONCRETE DUMPSTER PAD



DUMPSTER AREA FENCE

- NOTES:
- CONTRACTOR TO CONTACT DIGSAFE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES ANY REPORT ANY DISCREPANCIES TO UNITED CONSULTANTS, INC.
 - ALL WORK SHALL CONFORM TO THE TOWN OF FRANKLIN DPW STANDARDS.
 - MAINTAIN A MINIMUM OF 10' SEPARATION FROM THE WATER SERVICE TO THE SEWER SERVICE.



DRAINAGE INFILTRATION AREA

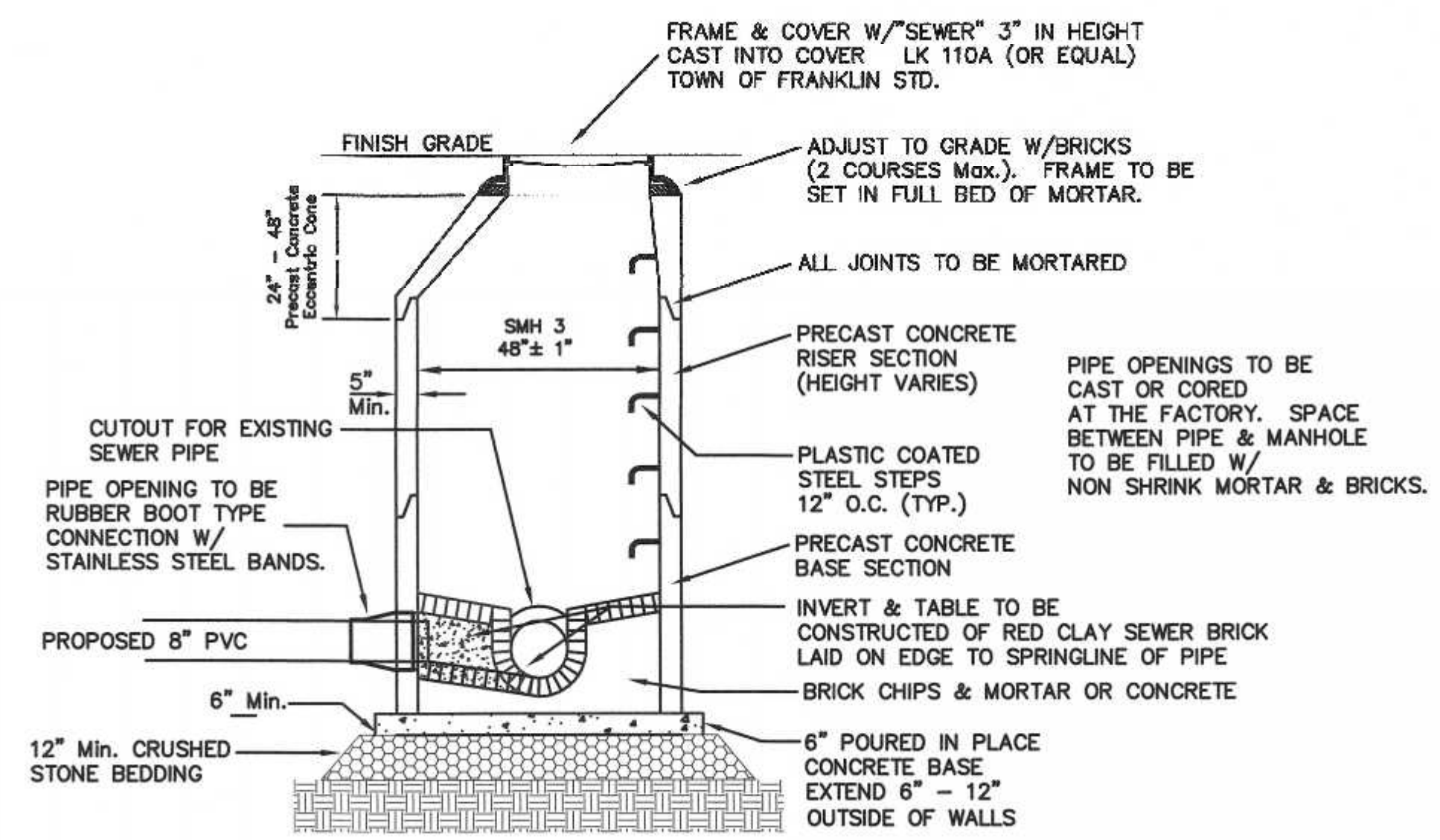
NOTE:
INFILTRATION POND 94
CONSISTS OF 6 ROWS OF 3'
DIAMETER PERFORATED HDPE
PIPE 70' IN LENGTH.
STONE EXTENTS 31.75' X 72'

THE DESIGN ENGINEER SHALL INSPECT THE EXCAVATION OF THE SOIL INFILTRATION AREA PRIOR TO ANY FILL BEING PLACED.

OWNER:
MAP 286 PARCELS 32 AND 34
70 EAST CENTRAL STREET, LLC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

OWNER MAP 286 PARCEL 33
JOHN AND CARMEL SHERRY
88 EAST CENTRAL STREET

APPLICANT:
70 EAST CENTRAL STREET, LLC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS



PRECAST DOG HOUSE SEWER MANHOLE

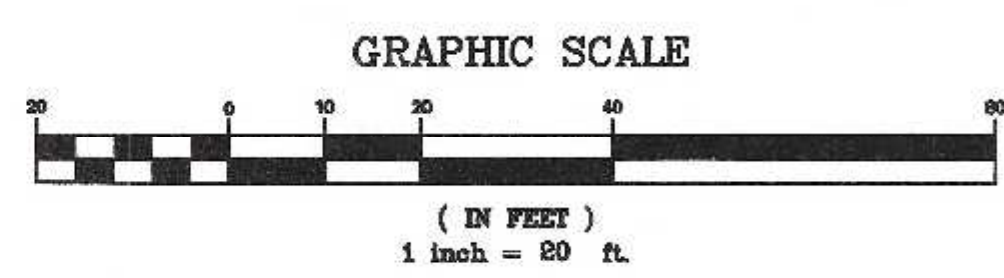
SITE PLAN MODIFICATION
CONSTRUCTION DETAIL PLAN - 2
70, 72, 88 AND 94 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
PREPARED FOR
70 EAST CENTRAL STREET, LLC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
DECEMBER 24, 2021
SCALE: 1" = 20'



Carlos A. Quintal
CARLOS A. QUINTAL P.E. #30812

SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD

DATE

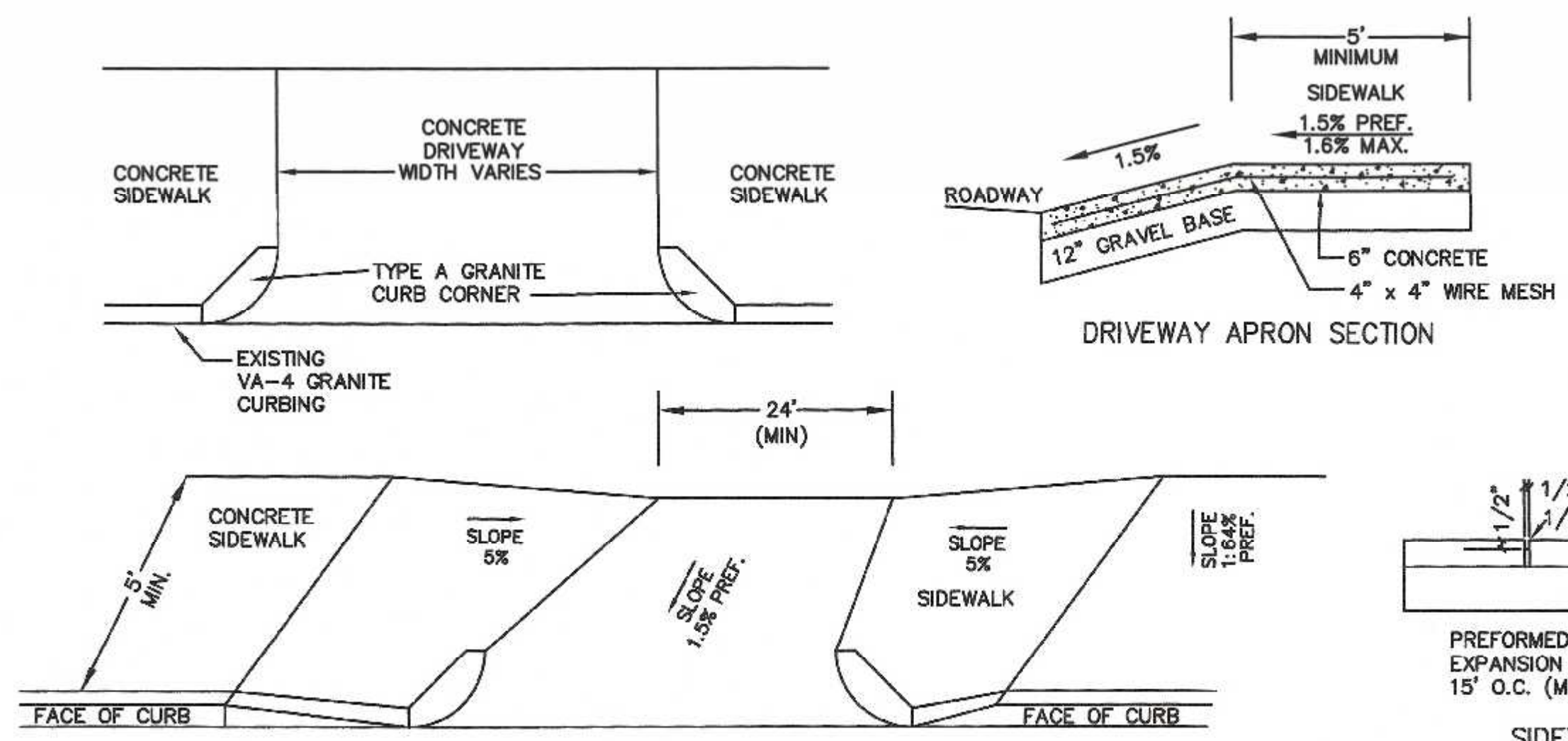


NO.	DATE	DESCRIPTION	BY

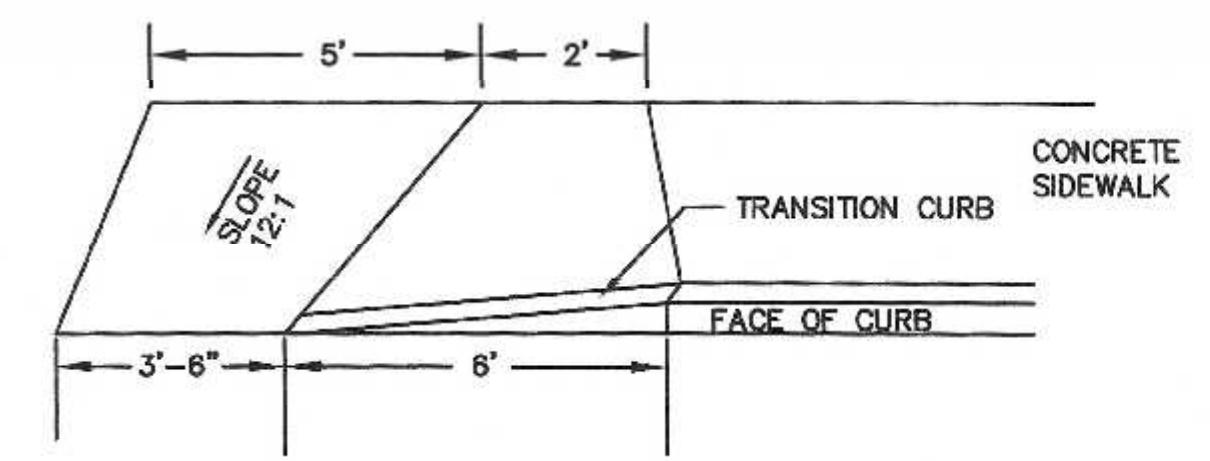
DATE	FIELD BY:	INT.
6/19	BL	
BK# 74	FIELD BOOK	PG# 63
12/21	CALCS BY:	RRG
12/21	DESIGNED BY:	RRG
12/21	DRAWN BY:	COMP
12/21	CHECKED BY:	CAQ

**UNITED
CONSULTANTS
INC.**
850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-8560 FAX 508-384-8566

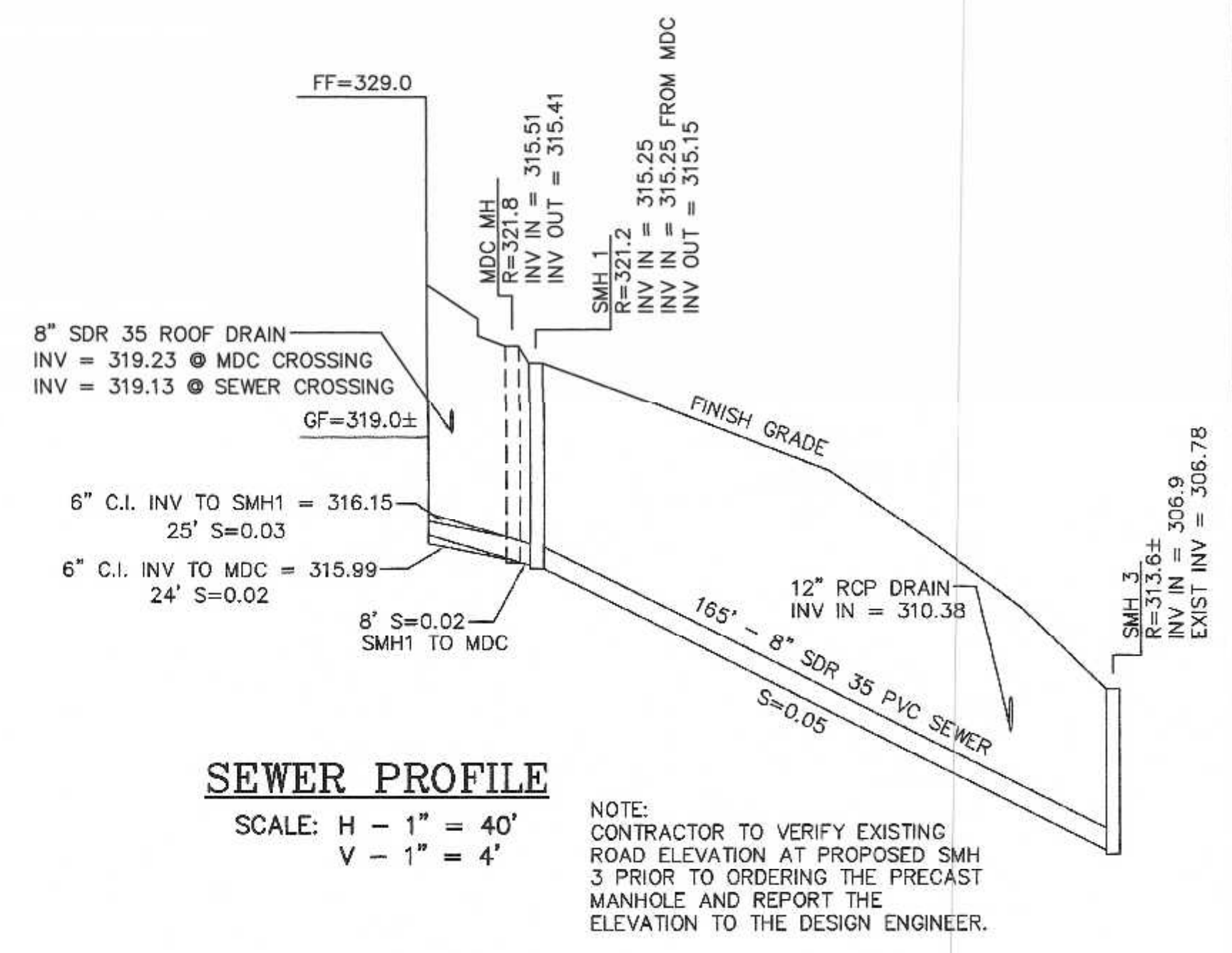
DATE	DEC. 24, 2021
SCALE	1" = 20'
PROJECT	UC1334
SHEET	8 of 9



NOTES:
 1. CROSS SLOPE ON ANY RAMP, LANDING OR ACCESSIBLE ROUTE SHALL NOT EXCEED 3/16" PER FOOT.
 2. THE SIDEWALKS ARE 5' MINIMUM IN WIDTH.
 3. ALL SIDEWALKS SHALL BE 4,000 PSI CONCRETE.
 4. GRAVEL UNDER SIDEWALK TO BE M1.03.0 (TYPE B)



WHEELCHAIR RAMP



SEWER PROFILE

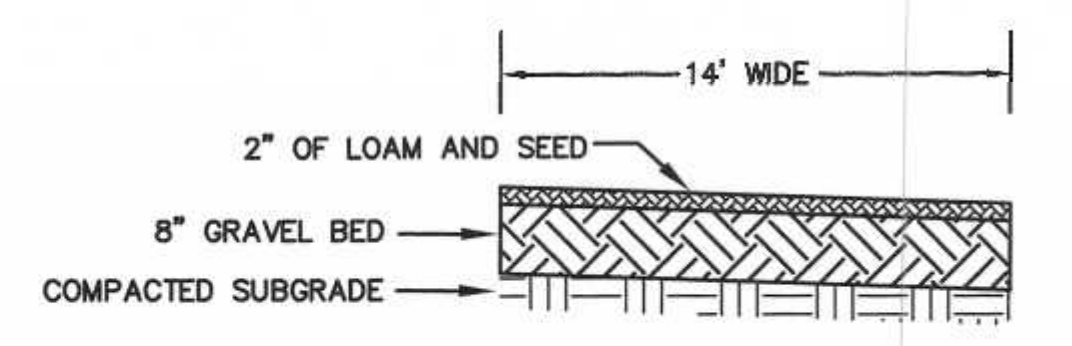
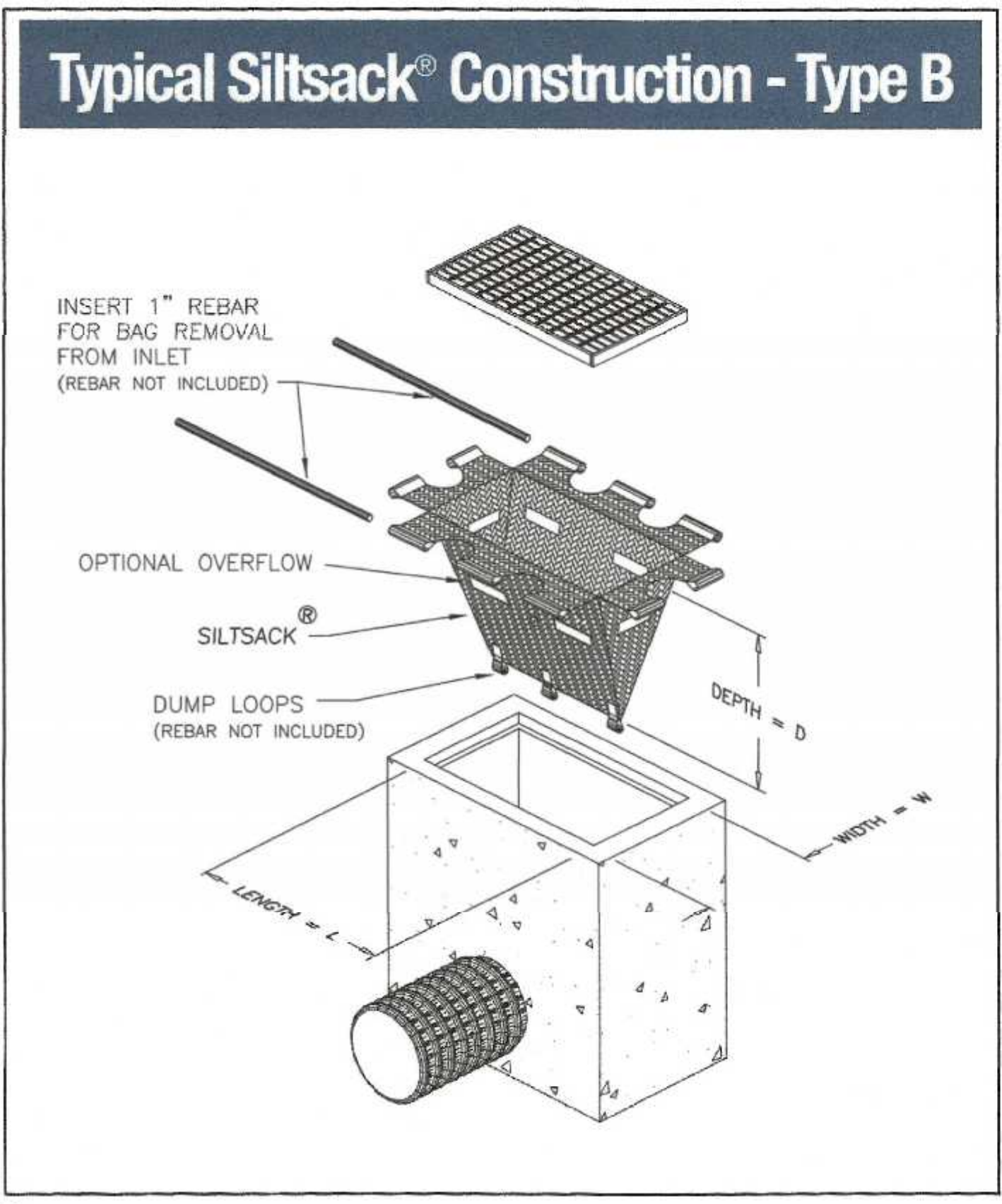
SCALE: H - 1" = 40'
 V - 1" = 4'

NOTE:
 CONTRACTOR TO VERIFY EXISTING ROAD ELEVATION AT PROPOSED SMH 3 PRIOR TO ORDERING THE PRECAST MANHOLE AND REPORT THE ELEVATION TO THE DESIGN ENGINEER.

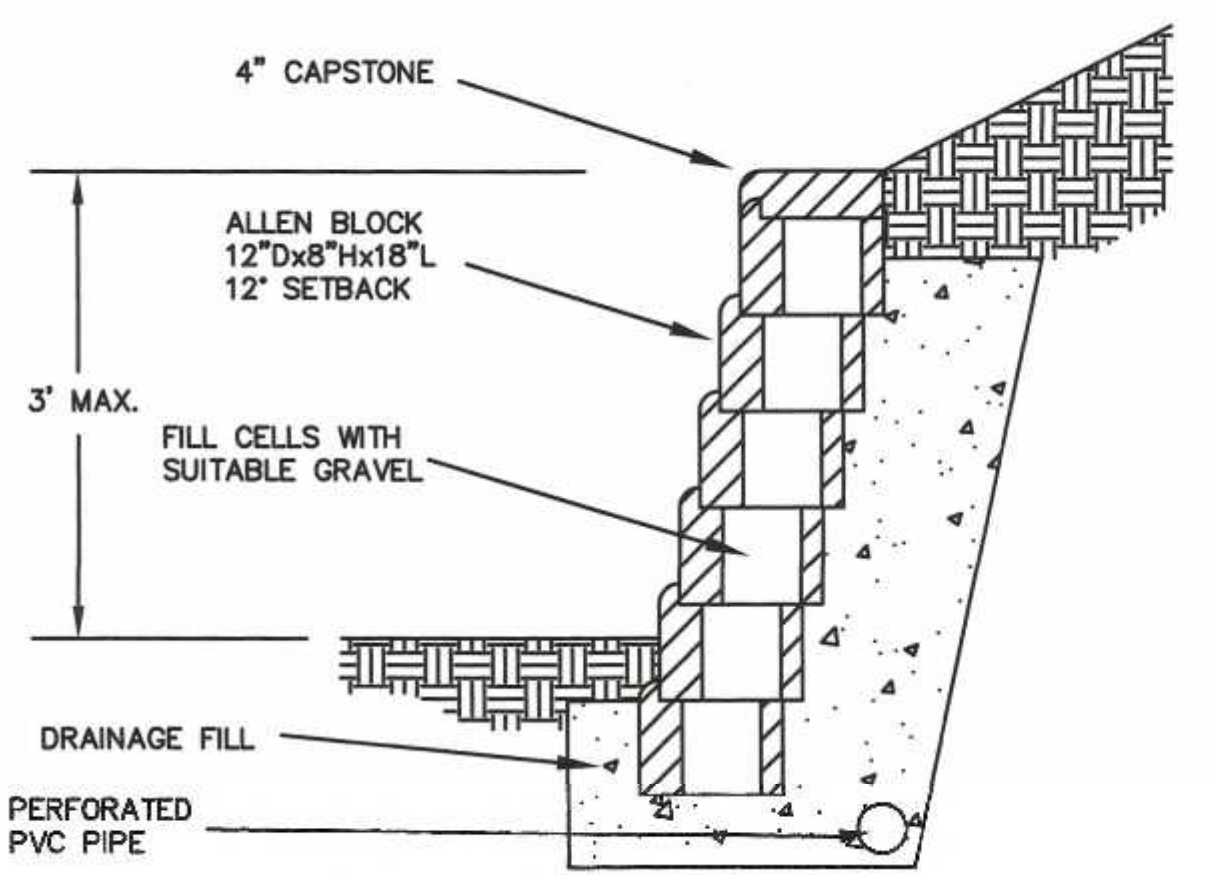
SEWER NOTE:
 THE PROJECT PLUMBING ENGINEER SHALL CONFIRM THE ELEVATIONS OF THE SEWER CONNECTIONS UPON COMPLETION OF THE FLOOR DRAIN DESIGN. ANY REVISIONS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO COMMENCING WITH CONSTRUCTION.

DRIVEWAY APRON

SIDEWALK JOINT DETAIL

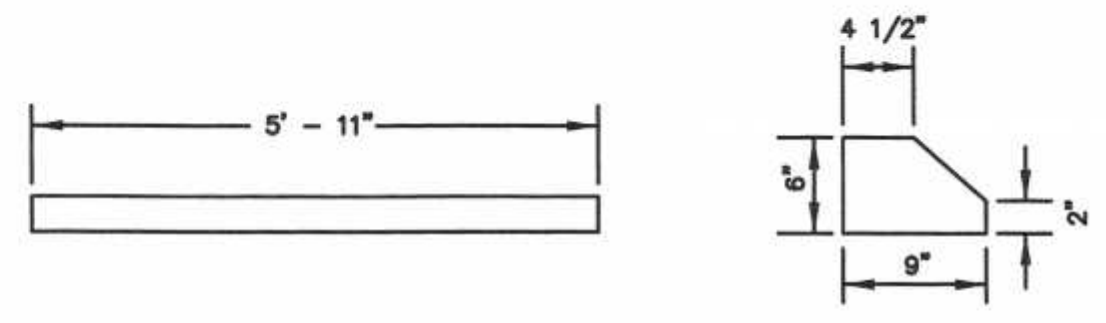


EMERGENCY ACCESS DRIVE



RETAINING WALL DETAIL

N.T.S.



BUMPER CURB DETAIL

BUMPER CURB SHALL BE E.F. SHEA ITEM NO. B-BBSF OR APPROVED EQUAL.

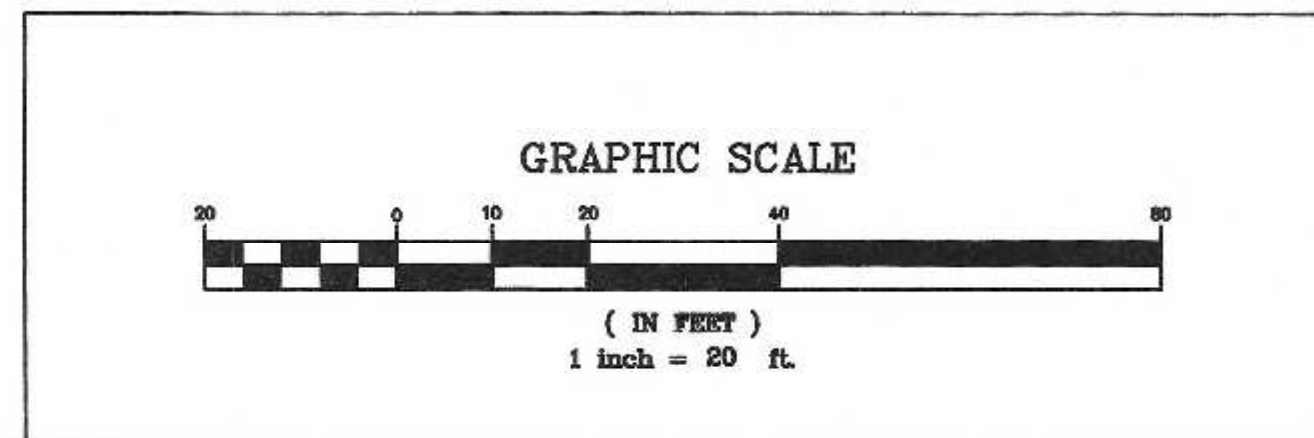


Carlos A. Quintal
 CARLOS A. QUINTAL P.E. #30812

SITE PLAN MODIFICATION
 CONSTRUCTION DETAIL PLAN - 3
 70, 72, 88 AND 94 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
 70 EAST CENTRAL STREET, LLC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 DECEMBER 24, 2021
 SCALE: 1" = 20'

SITE PLAN APPROVAL REQUIRED
FRANKLIN PLANNING BOARD

DATE _____



NO.	DATE	DESCRIPTION	BY

OWNER:
 MAP 286 PARCELS 32 AND 34
 70 EAST CENTRAL STREET, LLC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS

OWNER MAP 286 PARCEL 33
 JOHN AND CARMEL SHERRY
 88 EAST CENTRAL STREET

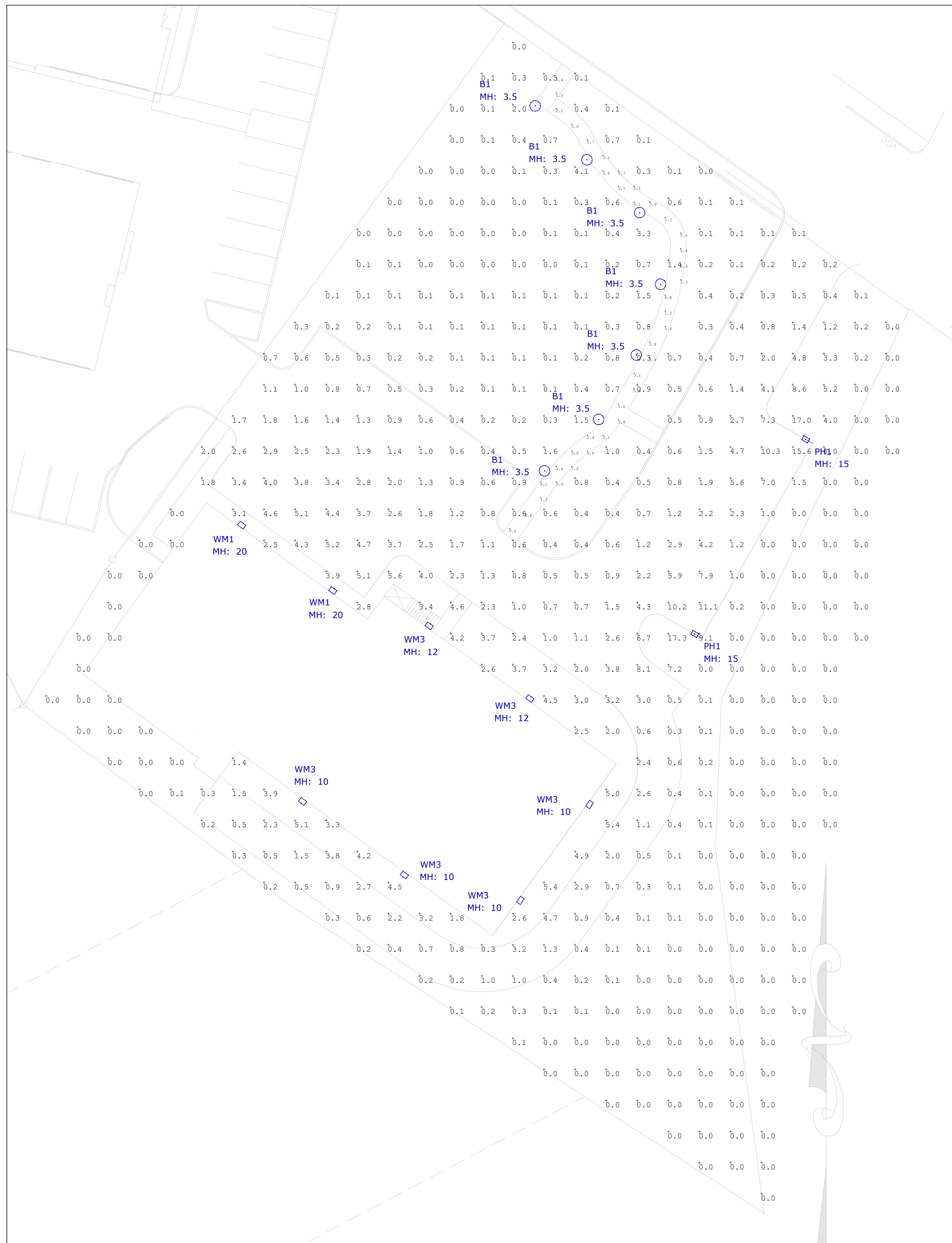
APPLICANT:
 70 EAST CENTRAL STREET, LLC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS

DATE	FIELD BY:	INT.
6/19	BL	
12/21	RRG	
12/21	RRG	
12/21	COMP	
12/21	CAQ	

UNITED CONSULTANTS INC.
 850 FRANKLIN STREET SUITE 11D
 WRENTHAM, MASSACHUSETTS 02093
 508-384-6680 FAX 508-384-6666

DATE
DEC. 24, 2021
SCALE
1" = 20'
PROJECT
UC1334
SHEET
9 of 9





1 Photometric Layout and Calculations
SCALE: 1:20

Luminaire Schedule						
Symbol	Label	Qty	Description	LLF	Lum. Watts	Lum. Lumens
	B1	7	Utopia # BLD2-A-25LED	0.900	24.8	1335
	PH1	2	Xtralight # VNTLEDS-01-100-3M-N-DIM-4-20-TBD-BZ-HO-VNT-HSS-N-SM	0.826	339	15588
	WM1	2	Xtralight # VNTW-11000L-40K-DIM-4S-BZ	0.900	109.1	10678
	WM3	6	Xtralight # VNTW-3500L-50K-DIM-2M-BZ	0.900	27.9	3455

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	
Site Points	Illuminance	Fc	1.17	17.3	0.0	N.A.	N.A.	
WALKWAY	Illuminance	Fc	2.19	6.8	0.3	7.30	22.67	

VIENTO LED WALL PACK
VNTW LED

FEATURES

- Uniform light distribution, ideal for building facade, entry ways, walkways and general security or accent lighting.
- LED provides a significant energy savings over HPS.
- Custom colors are available (consult factory).
- Designed for ease of installation.
- Operating temperature: -40°C to +40°C (-40°F to +104°F)

CONSTRUCTION

- Housing: Thermoplastic die-cast aluminum has integral heat sink fins to optimize thermal management through conductive and convective cooling.
- Housing and back box are constructed with a thermoplastic TPC-polyester powder coat finish.
- The LED driver is mounted in direct contact with the casting to provide low operating temperature and long life.
- All fasteners are stainless steel.

ELECTRICAL

- Voltage: 120-277V 50/60Hz driver (standard); 347-480V 50/60Hz driver (optional).
- Class 2 electronic drivers are designed to have a power factor >0.95, THD <20%, and an expected life of 100,000 hours with <1% failure rate.
- Dimming: 0-10V dimmable driver standard.
- Emergency Infrared (PIR) Photo/Motion Sensor optional.
- Emergency battery backup option (EBO) is available for some models. CEH needed for code compliance. Has external test button and LED indicator light to notify when the battery is on.

ORDER LOGIC

MODEL	KEY	DRIVER	OPTICS	FINISH	CONTROL & OPTION
VNTW	1	1	1	1	1

2 Xtralight Type Viento Specifications

VIENTO AREA SITE LED SMALL LUMINAIRE
VNT LED SMALL

FEATURES

- Outstanding photometric performance results in sites with excellent uniformity, optimal pole spacing and lower power density.
- Optics are completely sealed against moisture and environmental contaminants (IP66).
- Low profile architectural design offers a contemporary appearance with excellent light output and is right sky friendly.
- Controls ready luminaire for independent operation or remote management.
- Zero voltage (0V) to night sky friendly, reduces wasted light.
- Operating temperature: -40°C to +50°C (-40°F to +122°F).
- Custom colors available.

CONSTRUCTION

- Housing: Die-cast aluminum has integral heat sink fins to optimize thermal management through conductive and convective cooling.
- The LED driver is mounted in direct contact with the casting to provide low operating temperature and long life.
- Housing and back box are constructed with a thermoplastic TPC-polyester powder coat finish using a tightly controlled multi-stage process to a uniform 5 mil thickness (0.00125"). The finish provides superior protection from corrosion and maximum environmental durability.
- Power cord finish in bronze, white or custom colors (consult factory).

ELECTRICAL

- Voltage: 120-277V 50/60Hz driver (standard); 347-480V 50/60Hz driver (optional).
- Class 2 electronic drivers are designed to have a power factor >0.95, THD <20%, and an expected life of 100,000 hours with <1% failure rate.
- Surge Protection: 20kA standard.
- PIR/PIR with lock resettable available as an option. NOTE: Photocontrol or dimming cap required for operation (not included).
- Dimming: 0-10V dimmable driver standard.
- Passive Infrared (PIR) Photo/Motion Sensor optional available.

ORDER LOGIC

MODEL	KEY	DRIVER	OPTICS	FINISH	CONTROL & OPTION
VNTW	1	1	1	1	1

3 Xtralight Type Viento Area Specifications

LED BOLLARD LIGHTING
BLD2

FEATURES

- Die-cast extruded aluminum housing.
- Superior performance extends to the qualified finish of the housing.
- Type AIC: Anodized aluminum cover with white finish.
- Type BAZ: Anodized aluminum cone reflector.
- Flap angled to prevent any damage from the outside.
- Coating or sand blast reflector inside flaps can prevent light glare effects.
- RECYCLED aluminum material in BLD2.
- 20kA (10kV)

CONSTRUCTION

- ETL listed.
- Complies with UL 924 and CSA C22.2#250.0.0.2008.
- Suitable for wet locations.
- UL 1881 Listed for Single/Overhead Applications per ANSI C136.3-2004, Test Level 2.
- IP66 Optics and Housing.
- BAA Compliant.
- RoHS Compliant.
- Appropriate parts list guidelines were performed by ETL.
- Selected models are UL ETL Listed.
- Selected models are UL ETL Listed.
- Qualified products, please visit: www.xtralight.com/US or www.xtralight.com/UK

ELECTRICAL

- Voltage: 120-277V 50/60Hz driver (standard); 347-480V 50/60Hz driver (optional).
- Class 2 electronic drivers are designed to have a power factor >0.95, THD <20%, and an expected life of 100,000 hours with <1% failure rate.
- Surge Protection: 20kA standard.
- PIR/PIR with lock resettable available as an option. NOTE: Photocontrol or dimming cap required for operation (not included).
- Dimming: 0-10V dimmable driver standard.
- Passive Infrared (PIR) Photo/Motion Sensor optional available.

ORDER LOGIC

MODEL	KEY	DRIVER	OPTICS	FINISH	CONTROL & OPTION
BLD2	1	1	1	1	1

4 Utopia Type BLD2 Specifications

VIENTO HOUSE SIDE SHIELD
OPTICS ACCESSORY

FEATURES

- Significantly reduces backlight to minimize light trespass.
- Available for Type I Medium (2M), Type II Short (2S), Type III Medium (3M) and Type IV Short (4S) optics from BLD2 and BLD2-A-25LED.
- Factory installed as an option when ordered with the luminaire.
- Field installable (top-down) when ordered as a separate accessory.

CONSTRUCTION

- Low-profile, precision-machined CNC design.
- Flat-back TPC-polyester powder coat finish using tightly controlled multi-stage process to a uniform 5 mil thickness (0.00125").
- 20kA surge protection from corrosion and maximum environmental durability.
- Dimensions: 11.25" L x 4.50" W x 0.75" H
- Weight: 5.45 lbs

ISO DISTRIBUTION TYPES

ISO Lines: Distance in Units of Mounting Height Values Based on 20-Foot Mounting Height

Type II Short + HSS	Type II Medium + HSS	Type III Medium + HSS	Type IV Short + HSS

ORDER LOGIC

MODEL	KEY	DRIVER	OPTICS	FINISH	CONTROL & OPTION
VNTW	1	1	1	1	1

5 Xtralight Viento House Side Shield Specifications

- NOTES:
- A LIGHT LOSS FACTOR OF 0.900 HAS BEEN APPLIED TO FIXTURES UNLESS OTHERWISE NOTED. REFER TO LUMINAIRE SCHEDULE FOR LIGHT LOSS FACTOR AND LUMEN INFORMATION.
 - SEE "MH" ON LIGHTING FIXTURE TAG LOCATED ON PLAN FOR MOUNTING HEIGHT INFORMATION.
 - CALCULATION POINTS ARE TAKEN AT GRADE.
 - CALCULATION RESULTS ARE BASED ON IES STANDARDS UNLESS OTHERWISE REQUESTED.