


 CARLOS A. QUINTAL P.E. #30812

SOIL EVALUATION INFORMATION
 TEST DATES: MARCH 14, 2019 AND APRIL 17, 2019
 PERFORMED BY: CARLOS A. QUINTAL, P.E., SOIL EVALUATOR

- TEST PIT PT-2 ELEV. = 251.58
- 0 - 6" A LOAMY SAND 10YR 3/4 ELEV. = 251.08
- 6" - 24" B LOAMY SAND 10YR 5/6 ELEV. = 248.58
- 24 - 138" C SANDY LOAM 2.5Y 5/3 ELEV. = 240.08
- MOTTLING @ 122" ELEV. = 241.41

- TEST PIT PT-20 ELEV. = 254.65
- 0 - 10" LOAMY SAND 7.5YR 3/2 ELEV. = 253.82
- 10 - 18" B LOAMY SAND 10YR 5/4 ELEV. = 253.15
- 18" - 48" C1 SAND & GRAVEL 2.5Y 4/3 ELEV. = 250.65
- 48" - 160" C2 MED. SAND 2.5Y 6/3 ELEV. = 241.32
- NO GROUNDWATER OBSERVED

- TEST PIT TP-21 ELEV. = 256.49
- 0 - 16" A LOAMY SAND 7.5YR 3/2 ELEV. = 255.16
- 16" - 50" B LOAMY SAND 10YR 5/4 ELEV. = 252.32
- 50" - 112" C1 SAND & GRAVEL 2.5Y 4/3 ELEV. = 247.16
- 112" - 150" C2 MED. SAND 2.5Y 6/3 ELEV. = 243.99
- GROUNDWATER OBSERVED @ 144" ELEV. = 244.49
- MOTTLING OBSERVED @ 138" ELEV. = 244.99

- TEST PIT PT-22 ELEV. = 246.14
- 0 - 12" FILL ELEV. 245.14
- 12" - 36" C1 SAND & GRAVEL 2.5Y 4/3 ELEV. = 243.14
- 36" - 96" C2 MED. SAND 2.5Y 6/3 ELEV. = 238.14
- NO GROUNDWATER OBSERVED
- MOTTLING @ 78" ELEV. = 239.64

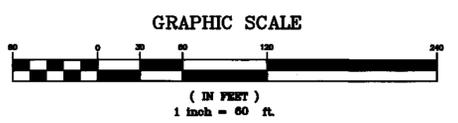
- TEST PIT PT-23 ELEV. = 245.37
- 0 - 28" FILL ELEV. = 243.04
- 28" - 114" C SAND AND GRAVEL 2.5Y 4/3 ELEV. = 235.87
- GROUNDWATER OBSERVED @ 96" ELEV. = 237.37

- LEGEND:**
- DHSB DRILL HOLE CONCRETE 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
 - R=5' CURB RADIUS
 - ⊕ PARKING SPACE COUNT
 - SIGN

BORING	GROUND ELEV.	DEPTH OR REFUSAL
B-1	277.1	267.1
B-2	275.3	258.3
B-3	291.5	265.0
B-4	285.8	272.8
B-5	302.2	285.2
B-6	305.6	296.1
B-7	305.1	296.1
B-8	292.4	284.4
B-9	287.9	273.9

SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD

DATE _____



NO.	DATE	DESCRIPTION	BY

- NOTES:**
- ELEVATION DATUM NGVD 1929.
 - EXISTING CONDITIONS SURVEY WAS COMPLETED BETWEEN DECEMBER 27, 2018 AND JANUARY 19, 2019.
 - SOIL TYPES TAKEN FROM SOILS MAP OF NORFOLK COUNTY.

OWNERS:
 MAP 270 PARCEL 38
 PANTHER WAY 2019 LLC
 7 MYRTLE STREET
 NORFOLK, MASSACHUSETTS

MAP 270 PARCEL 39
 HOLMES LAND TRUST
 12 MYRTLE STREET
 NORFOLK, MASSACHUSETTS

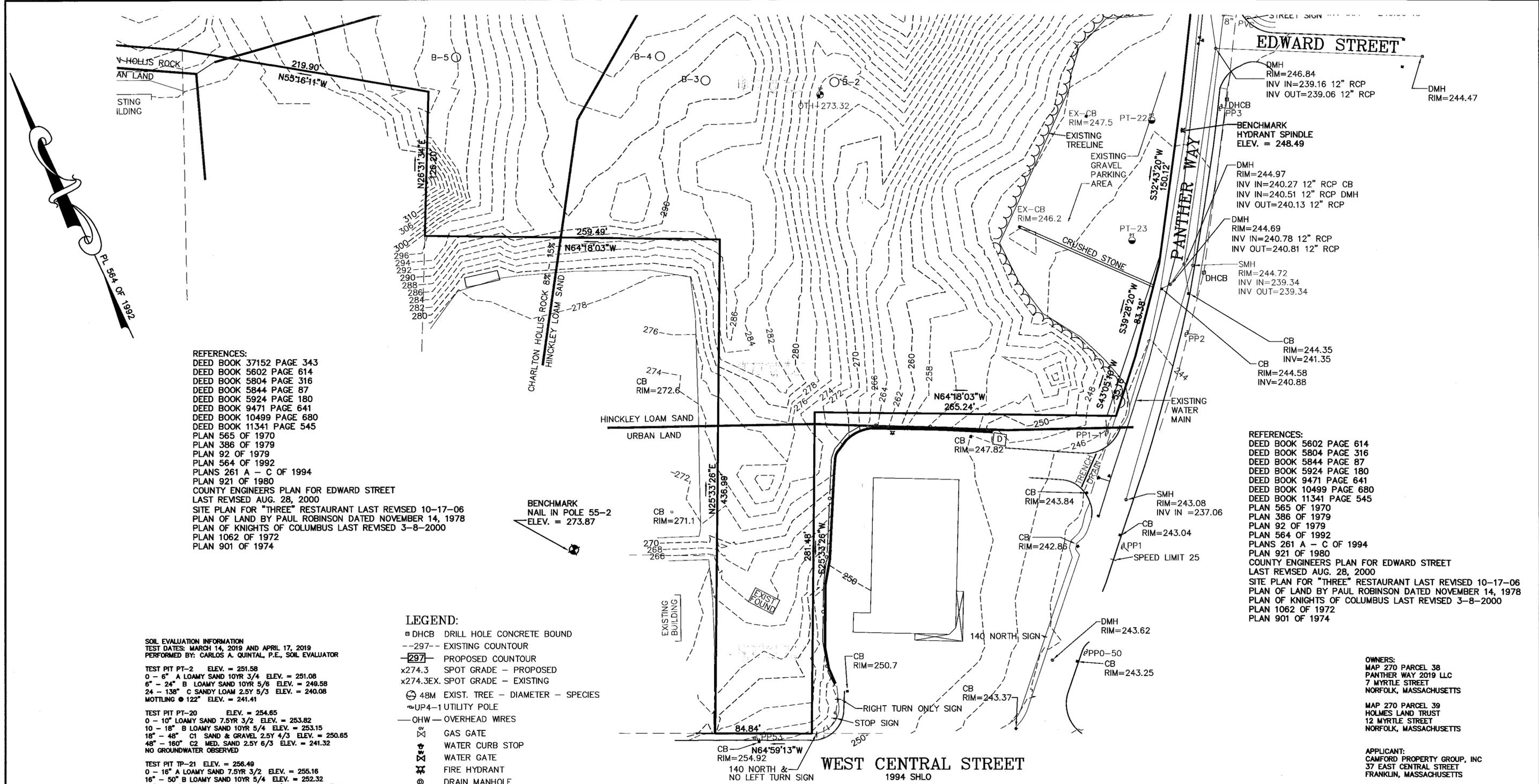
APPLICANT:
 CAMFORD PROPERTY GROUP, INC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS

INDEX PLAN
 PANTHER WAY
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
 CAMFORD PROPERTY GROUP, INC.
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 FEBRUARY 19, 2020
 SCALE: 1" = 60'

DATE	FIELD BY:	INT.
12/18	BL	BL
BK#	FIELD BOOK	PG#
2/20	RRG	RRG
2/20	DESIGNED BY:	RRG
2/20	COMP	COMP
2/20	CHECKED BY:	CAQ

UNITED CONSULTANTS INC.
 850 FRANKLIN STREET SUITE 11D
 WRENTHAM, MASSACHUSETTS 02093
 508-384-8580 FAX 508-384-8586

DATE	SCALE	PROJECT	SHEET
FEB. 19, 2020	1" = 60'	UC1378	I-1



REFERENCES:
 DEED BOOK 37152 PAGE 343
 DEED BOOK 5602 PAGE 614
 DEED BOOK 5804 PAGE 316
 DEED BOOK 5844 PAGE 87
 DEED BOOK 5924 PAGE 180
 DEED BOOK 9471 PAGE 641
 DEED BOOK 10499 PAGE 680
 DEED BOOK 11341 PAGE 545
 PLAN 565 OF 1970
 PLAN 386 OF 1979
 PLAN 92 OF 1979
 PLAN 564 OF 1992
 PLANS 261 A - C OF 1994
 PLAN 921 OF 1980
 COUNTY ENGINEERS PLAN FOR EDWARD STREET
 LAST REVISED AUG. 28, 2000
 SITE PLAN FOR "THREE" RESTAURANT LAST REVISED 10-17-06
 PLAN OF LAND BY PAUL ROBINSON DATED NOVEMBER 14, 1978
 PLAN OF KNIGHTS OF COLUMBUS LAST REVISED 3-8-2000
 PLAN 1062 OF 1972
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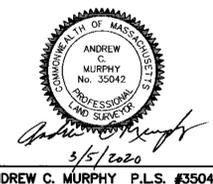
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 - ⊕ BUILDING MOUNTED LIGHT
 - ⊕ POLE MOUNTED LIGHT
 - R=5' CURB RADIUS
 - ⊕ PARKING SPACE COUNT
 - ⊕ SIGN

OWNERS:
 MAP 270 PARCEL 38
 PANTHER WAY 2019 LLC
 7 MYRTLE STREET
 NORFOLK, MASSACHUSETTS

MAP 270 PARCEL 39
 HOLMES LAND TRUST
 12 MYRTLE STREET
 NORFOLK, MASSACHUSETTS

APPLICANT:
 CAMFORD PROPERTY GROUP, INC
 37 EAST CENTRAL STREET
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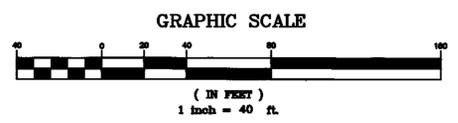
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EXISTING CONDITIONS PLAN - 1
 PANTHER WAY
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
 CAMFORD PROPERTY GROUP, INC.
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 FEBRUARY 19, 2020
 SCALE: 1" = 40'

SITE PLAN APPROVAL
 REQUIRED
 FRANKLIN PLANNING BOARD

DATE _____

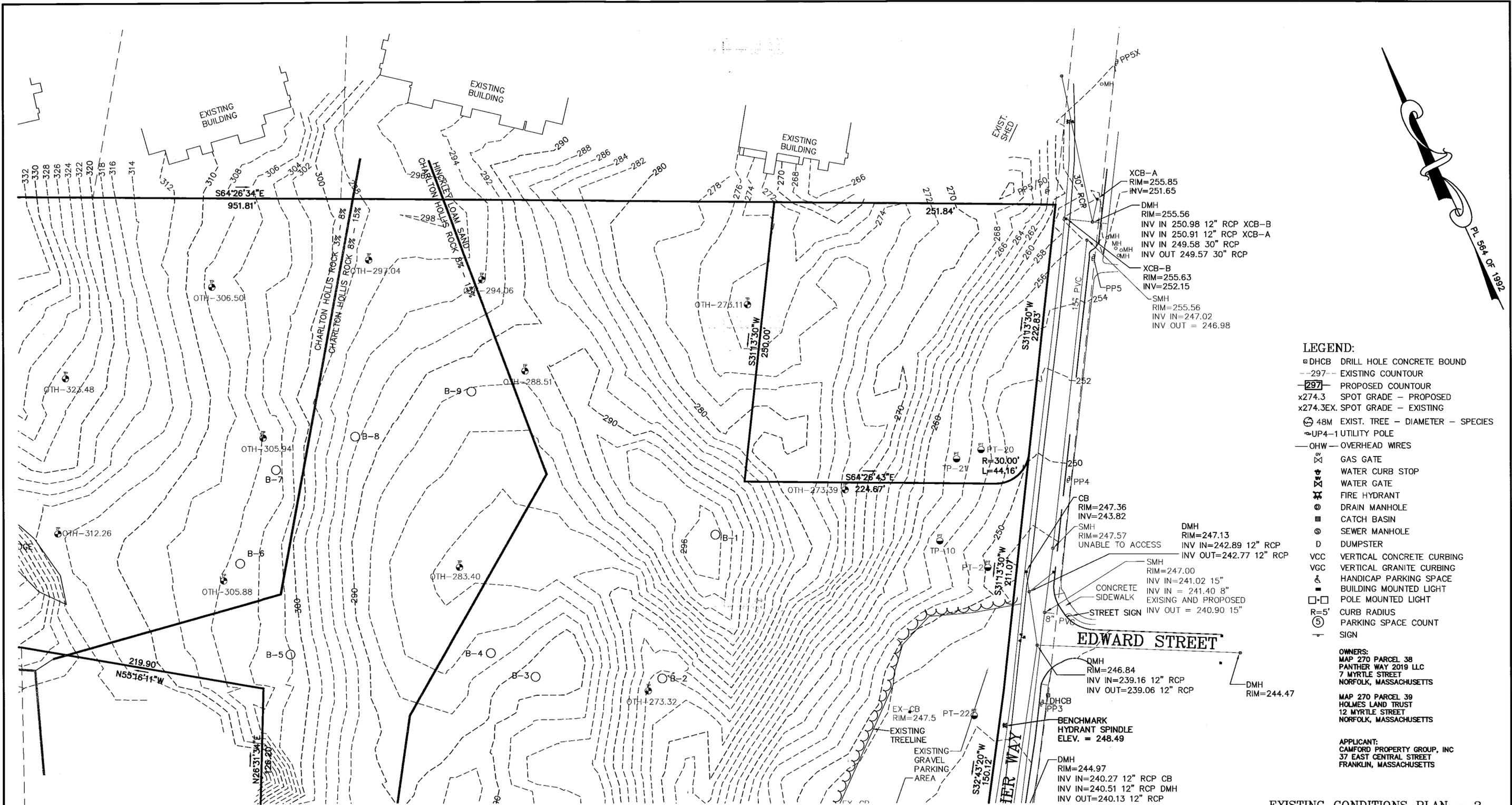


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UNITED CONSULTANTS INC.
 850 FRANKLIN STREET SUITE 11D
 WRENTHAM, MASSACHUSETTS 02093
 508-384-6560 FAX 508-384-6566

DATE	SCALE	PROJECT	SHEET
FEB. 19, 2020	1" = 40'	UC1378	EC-1



- LEGEND:**
- DHCB DRILL HOLE CONCRETE BOUND
 - 297- EXISTING COUNTOUR
 - 297- PROPOSED COUNTOUR
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 - CURB RADIUS
 - ⊗ PARKING SPACE COUNT SIGN

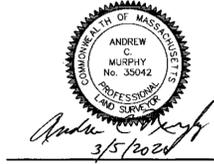
OWNERS:
 MAP 270 PARCEL 38
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MAP 270 PARCEL 39
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APPLICANT:
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 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS

EXISTING CONDITIONS PLAN - 2
 PANTHER WAY
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
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 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
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 SCALE: 1" = 40'

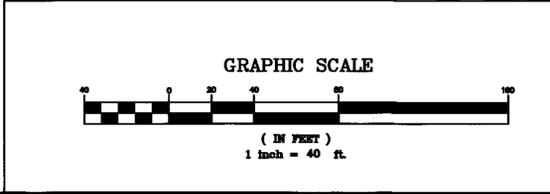
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ANDREW C. MURPHY P.L.S. #35042

SITE PLAN APPROVAL REQUIRED
FRANKLIN PLANNING BOARD

DATE	_____

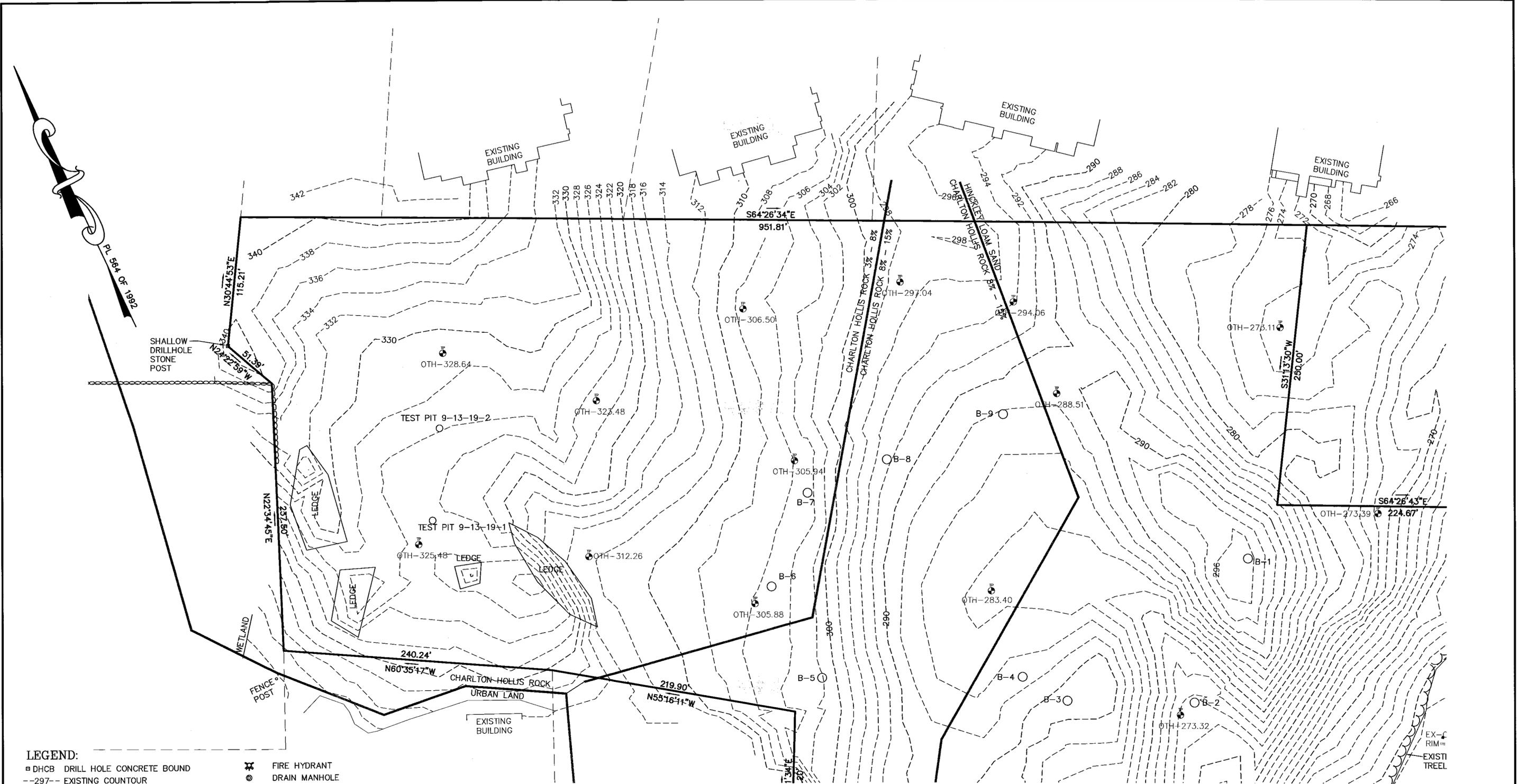


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UNITED CONSULTANTS INC.
 850 FRANKLIN STREET SUITE 11D
 WRENTHAM, MASSACHUSETTS 02093
 508-384-8580 FAX 508-384-8586

DATE	FEB. 19, 2020
SCALE	1" = 40'
PROJECT	UC1378
SHEET	EC-2



- LEGEND:**
- DHCB DRILL HOLE CONCRETE BOUND
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 - 297- PROPOSED COUNTOUR
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ANDREW C. MURPHY P.L.S. #35042
 3/5/2020

OWNERS:
 MAP 270 PARCEL 38
 PANTHER WAY 2019 LLC
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 NORFOLK, MASSACHUSETTS

MAP 270 PARCEL 39
 HOLMES LAND TRUST
 12 MYRTLE STREET
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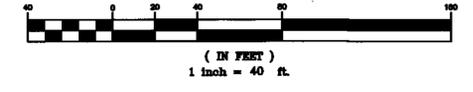
APPLICANT:
 CAMFORD PROPERTY GROUP, INC
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS

EXISTING CONDITIONS PLAN - 3
 PANTHER WAY
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
 CAMFORD PROPERTY GROUP, INC.
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 FEBRUARY 19, 2020
 SCALE: 1" = 40'

**SITE PLAN APPROVAL
 REQUIRED
 FRANKLIN PLANNING BOARD**

DATE

GRAPHIC SCALE

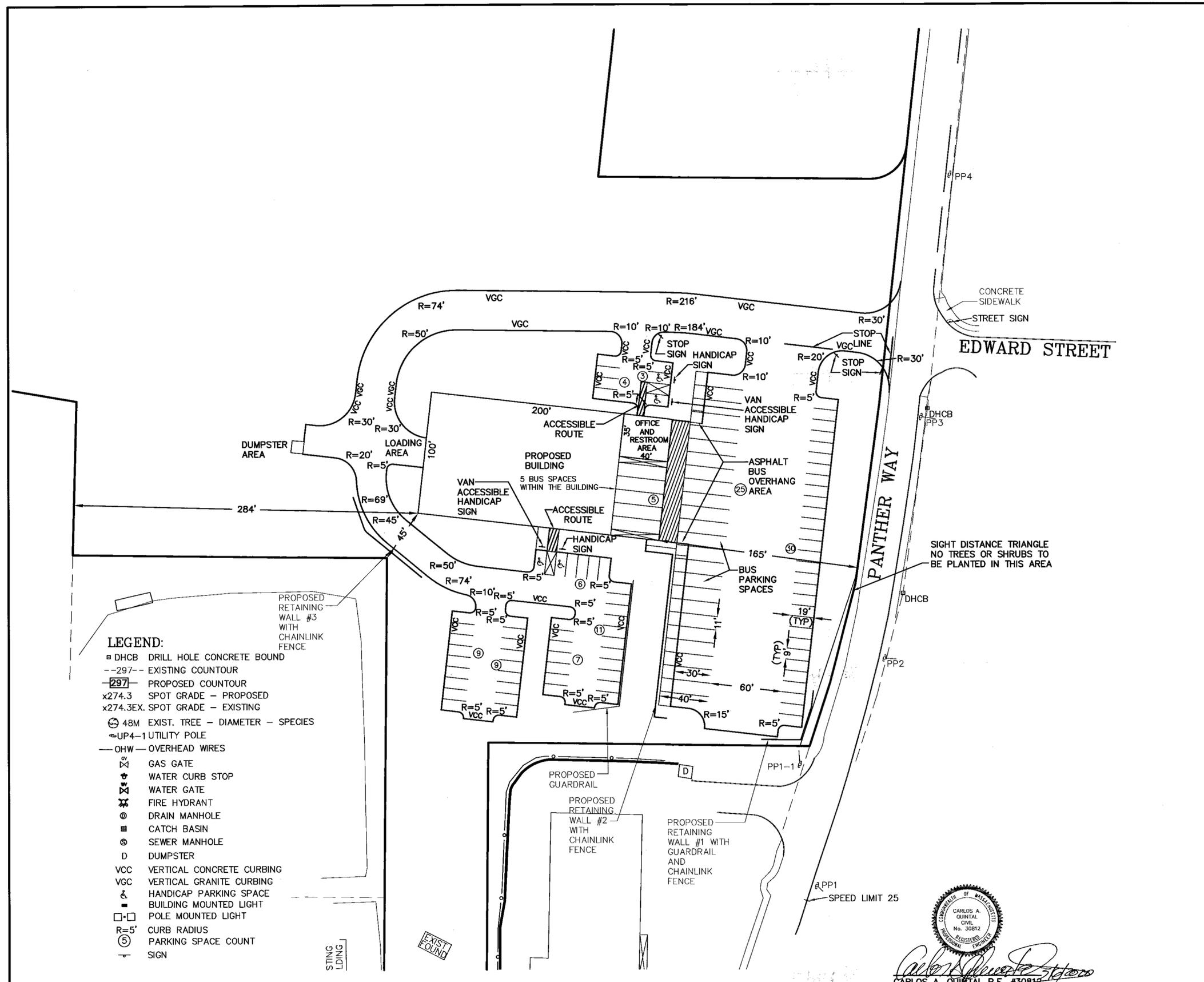
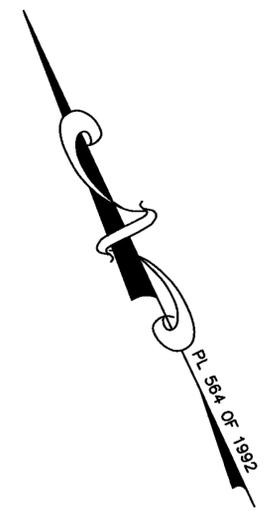


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**UNITED
 CONSULTANTS
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 850 FRANKLIN STREET SUITE 11D
 WRENTHAM, MASSACHUSETTS 02093
 508-384-6560 FAX 508-384-6566

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EC-3



LEGEND:

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- POLE MOUNTED LIGHT
- R=5' CURB RADIUS
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- ↑ SIGN

SITE PARKING

FIRST LEVEL
 OFFICE = 1,400 SQ. FT. - 6 SPACES
 WAREHOUSE = 18,600 SQ. FT. - 19 SPACES
 PARKING SPACES REQUIRED = 25
 PARKING SPACES PROPOSED = 37 INCLUDING 2 HANDICAP SPACES

SECOND LEVEL
 OFFICE 5,000 SQ. FT. - 20 SPACES
 WAREHOUSE = 15,000 SQ. FT. - 15 SPACES
 PARKING SPACES REQUIRED = 35
 PARKING SPACES PROPOSED = 42 INCLUDES 2 HANDICAP SPACES

TOTAL 9' x 19' PARKING SPACES PROVIDED = 79
 TOTAL 11' x 40' BUS PARKING SPACES PROVIDED = 30
 - REFERENCE FRANKLIN ZONING BYLAW SECTION 185-21(3)(b)iii AND 185-21(3)(b)v.
 - REFERENCE 521 CMR 23.2.1

MOTOR VEHICLE REPAIR

MINOR MOTOR VEHICLE REPAIRS TO CONSIST OF WINDSHIELD WIPER BLADE REPAIR OR REPLACEMENT, FLAT TIRE CHANGES AND MINOR SAFETY REPAIRS. ALL REPAIRS TO BE COMPLETED IN THE BUS PARKING AREA.

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 7 MYRTLE STREET
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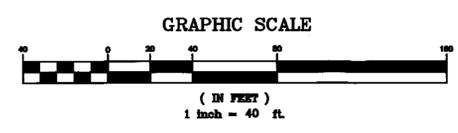
SITE LAYOUT PLAN
 PANTHER WAY
 FRANKLIN, MASSACHUSETTS
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 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 FEBRUARY 19, 2020
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Carlos A. Quintal
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**SITE PLAN APPROVAL
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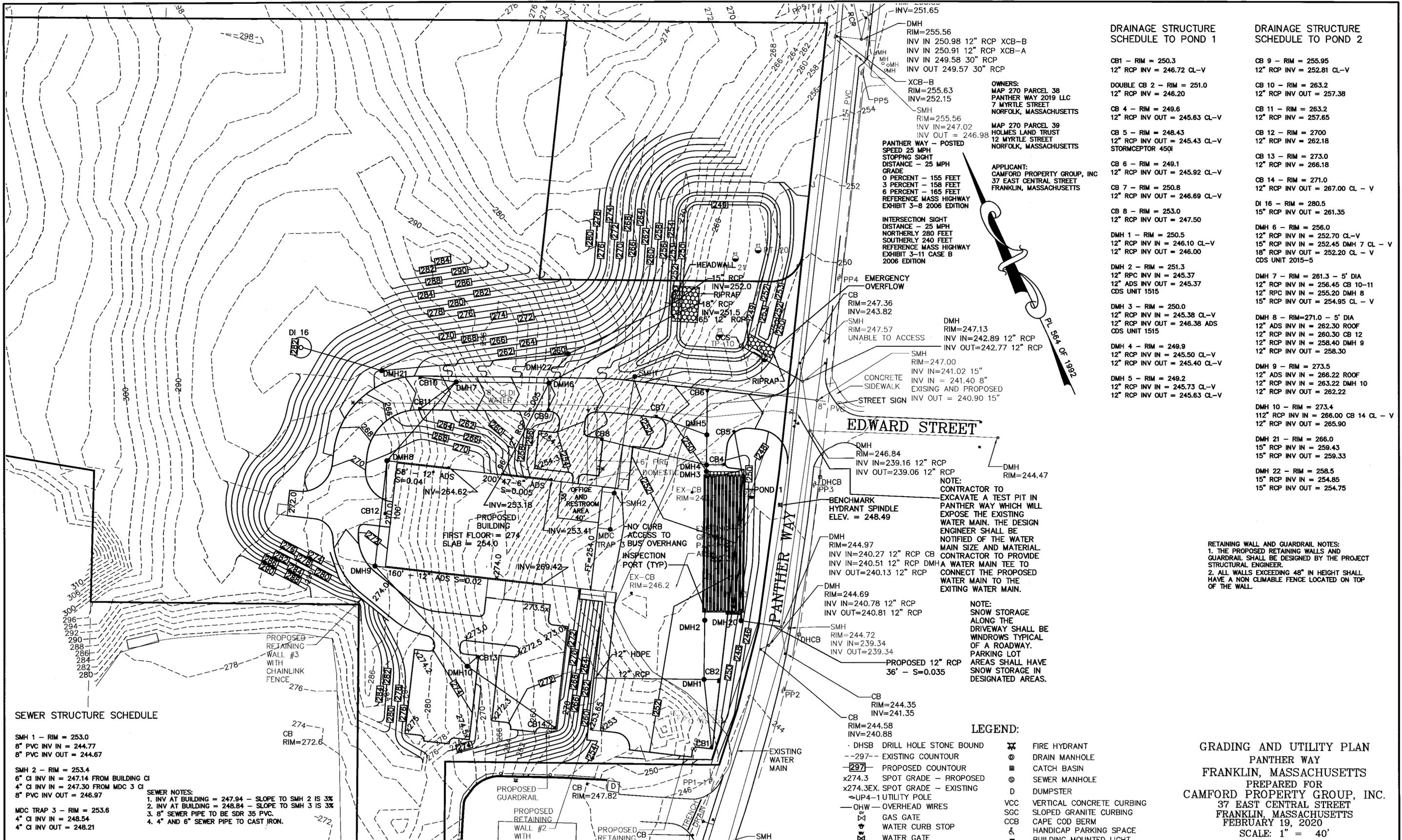


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**UNITED
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 850 FRANKLIN STREET SUITE 11D
 WRENTHAM, MASSACHUSETTS 02093
 508-884-6660 FAX 508-884-6666

DATE
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1" = 40'
PROJECT
UC1378
SHEET
SL-1



DRAINAGE STRUCTURE SCHEDULE TO POND 1

- CB 1 - RIM = 250.3
12" RCP INV = 246.72 CL-V
- DOUBLE CB 2 - RIM = 251.0
12" RCP INV = 246.20
- CB 4 - RIM = 249.6
12" RCP INV OUT = 245.63 CL-V
- CB 5 - RIM = 248.43
12" RCP INV OUT = 245.43 CL-V
STORMCEPTOR 450I
- CB 6 - RIM = 249.1
12" RCP INV OUT = 245.92 CL-V
- CB 7 - RIM = 250.8
12" RCP INV OUT = 246.69 CL-V
- CB 8 - RIM = 253.0
12" RCP INV OUT = 247.50
- DMH 1 - RIM = 250.5
12" RCP INV IN = 246.10 CL-V
12" RCP INV OUT = 246.00
- DMH 2 - RIM = 251.3
12" RCP INV IN = 245.37
12" ADS INV OUT = 245.37
CDS UNIT 1515
- DMH 3 - RIM = 250.0
12" RCP INV IN = 245.38 CL-V
12" RCP INV OUT = 246.38 ADS
CDS UNIT 1515
- DMH 4 - RIM = 249.9
12" RCP INV IN = 245.50 CL-V
12" RCP INV OUT = 245.40 CL-V
- DMH 5 - RIM = 249.2
12" RCP INV IN = 245.73 CL-V
12" RCP INV OUT = 245.63 CL-V

DRAINAGE STRUCTURE SCHEDULE TO POND 2

- CB 9 - RIM = 255.95
12" RCP INV = 252.81 CL-V
- CB 10 - RIM = 263.2
12" RCP INV OUT = 257.38
- CB 11 - RIM = 263.2
12" RCP INV = 257.65
- CB 12 - RIM = 2700
12" RCP INV = 262.18
- CB 13 - RIM = 273.0
12" RCP INV = 266.18
- CB 14 - RIM = 271.0
12" RCP INV OUT = 267.00 CL - V
- DI 16 - RIM = 280.5
15" RCP INV OUT = 261.35
- DMH 6 - RIM = 256.0
12" RCP INV IN = 252.70 CL-V
15" RCP INV IN = 252.45 DMH 7 CL - V
18" RCP INV OUT = 252.20 CL - V
CDS UNIT 2015-5
- DMH 7 - RIM = 261.3 - 5' DIA
12" RCP INV IN = 256.45 CB 10-11
12" RCP INV IN = 255.20 DMH 8
15" RCP INV OUT = 254.95 CL - V
- DMH 8 - RIM=271.0 - 5' DIA
12" ADS INV IN = 262.30 ROOF
12" RCP INV IN = 260.30 CB 12
12" RCP INV IN = 258.40 DMH 9
12" RCP INV OUT = 258.30
- DMH 9 - RIM = 273.5
12" ADS INV IN = 266.22 ROOF
12" RCP INV IN = 263.22 DMH 10
12" RCP INV OUT = 262.22
- DMH 10 - RIM = 273.4
112" RCP INV IN = 268.00 CB 14 CL - V
12" RCP INV OUT = 265.90
- DMH 21 - RIM = 266.0
15" RCP INV IN = 259.43
15" RCP INV OUT = 259.33
- DMH 22 - RIM = 258.5
15" RCP INV IN = 254.85
15" RCP INV OUT = 254.75

OWNERS:
MAP 270 PARCEL 38
PANTHER WAY 2019 LLC
7 MYRTLE STREET
NORFOLK, MASSACHUSETTS

MAP 270 PARCEL 39
HOLMES LAND TRUST
12 MYRTLE STREET
NORFOLK, MASSACHUSETTS

APPLICANT:
CAMFORD PROPERTY GROUP, INC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

PANTHER WAY - POSTED
SPEED 25 MPH
STOPPING SIGHT
DISTANCE - 25 MPH
GRADE
0 PERCENT - 155 FEET
3 PERCENT - 158 FEET
6 PERCENT - 165 FEET
REFERENCE MASS HIGHWAY
EXHIBIT 3-8 2006 EDITION

INTERSECTION SIGHT
DISTANCE - 25 MPH
NORTHERLY 280 FEET
SOUTHERLY 240 FEET
REFERENCE MASS HIGHWAY
EXHIBIT 3-11 CASE B
2006 EDITION

EMERGENCY OVERFLOW
CB RIM=247.36
INV=243.82
SMH RIM=247.57
UNABLE TO ACCESS

DMH RIM=247.13
INV IN=242.89 12" RCP
INV OUT=242.77 12" RCP

SMH RIM=247.00
INV IN=241.02 15"
INV IN = 241.40 8"
CONCRETE SIDEWALK
EXISTING AND PROPOSED
STREET SIGN INV OUT = 240.90 15"

DMH RIM=246.84
INV IN=239.16 12" RCP
INV OUT=239.06 12" RCP

DMH RIM=244.97
INV IN=240.27 12" RCP CB
INV IN=240.51 12" RCP DMH
INV OUT=240.13 12" RCP

DMH RIM=244.69
INV IN=240.78 12" RCP
INV OUT=240.81 12" RCP

SMH RIM=244.72
INV IN=239.34
INV OUT=239.34

PROPOSED 12" RCP
36" - S=0.035

CB RIM=244.35
INV=241.35

CB RIM=244.58
INV=240.88

DMH RIM=244.97
INV IN=240.27 12" RCP CB
INV IN=240.51 12" RCP DMH
INV OUT=240.13 12" RCP

DMH RIM=244.47
INV IN=239.16 12" RCP
INV OUT=239.06 12" RCP

NOTE:
CONTRACTOR TO EXCAVATE A TEST PIT IN PANTHER WAY WHICH WILL EXPOSE THE EXISTING WATER MAIN. THE DESIGN ENGINEER SHALL BE NOTIFIED OF THE WATER MAIN SIZE AND MATERIAL. CONTRACTOR TO PROVIDE A WATER MAIN TEE TO CONNECT THE PROPOSED WATER MAIN TO THE EXISTING WATER MAIN.

NOTE:
SNOW STORAGE ALONG THE DRIVEWAY SHALL BE WINDROWS TYPICAL OF A ROADWAY. PARKING LOT AREAS SHALL HAVE SNOW STORAGE IN DESIGNATED AREAS.

RETAINING WALL AND GUARDRAIL NOTES:
1. THE PROPOSED RETAINING WALLS AND GUARDRAIL SHALL BE DESIGNED BY THE PROJECT STRUCTURAL ENGINEER.
2. ALL WALLS EXCEEDING 48" IN HEIGHT SHALL HAVE A NON CLIMBABLE FENCE LOCATED ON TOP OF THE WALL.

SEWER STRUCTURE SCHEDULE

- SMH 1 - RIM = 253.0
8" PVC INV IN = 244.77
8" PVC INV OUT = 244.67
- SMH 2 - RIM = 253.4
6" CI INV IN = 247.14 FROM BUILDING CI
4" CI INV IN = 247.30 FROM MDC 3 CI
8" PVC INV OUT = 246.97
- MDC TRAP 3 - RIM = 253.6
4" CI INV IN = 248.54
4" CI INV OUT = 248.21

- SEWER NOTES:**
1. INV AT BUILDING = 247.94 - SLOPE TO SMH 1 IS 3%
 2. INV AT BUILDING = 248.84 - SLOPE TO SMH 3 IS 3%
 3. 8" SEWER PIPE TO BE SDR 35 PVC.
 4. 4" AND 6" SEWER PIPE TO CAST IRON.

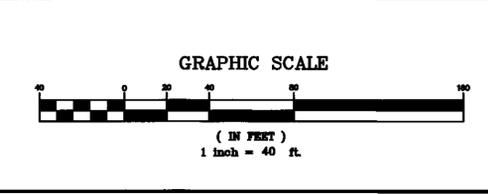
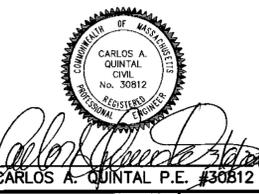
LEGEND:

- DHSB DRILL HOLE STONE BOUND
- 297- EXISTING COUNTOUR
- 297- PROPOSED COUNTOUR
- x274.3 SPOT GRADE - PROPOSED
- x274.3EX. SPOT GRADE - EXISTING
- UP-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
- SCB SLOPED GRANITE CURBING
- CAPE COD BERM
- HANDICAP PARKING SPACE
- BUILDING MOUNTED LIGHT
- POLE MOUNTED LIGHT

GRADING AND UTILITY PLAN
PANTHER WAY
FRANKLIN, MASSACHUSETTS
PREPARED FOR
CAMFORD PROPERTY GROUP, INC.
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
FEBRUARY 19, 2020
SCALE: 1" = 40'

SITE PLAN APPROVAL REQUIRED
FRANKLIN PLANNING BOARD

DATE _____



NO.	DATE	DESCRIPTION	BY

DATE	INT.
12/18	FIELD BY: BL
2/20	FIELD BOOK PC#
2/20	CALCS BY: RRG
2/20	DESIGNED BY: RRG
2/20	DRAWN BY: COMP
2/20	CHECKED BY: CAQ

UNITED CONSULTANTS INC.
850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-0560 FAX 508-384-0566

DATE	SCALE	PROJECT	SHEET
FEB. 19, 2020	1" = 40'	UC1378	GU-1

OPERATION AND MAINTENANCE PLAN

CONSTRUCTION PHASE

1. THE OWNERS REPRESENTATIVE, BRIAN HOLMES (1-508-528-4550), 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 AND CDS UNITS SHALL BE CLEANED WITH A VACUUM TRUCK.

CONSTRUCTION SEQUENCE NOTES:

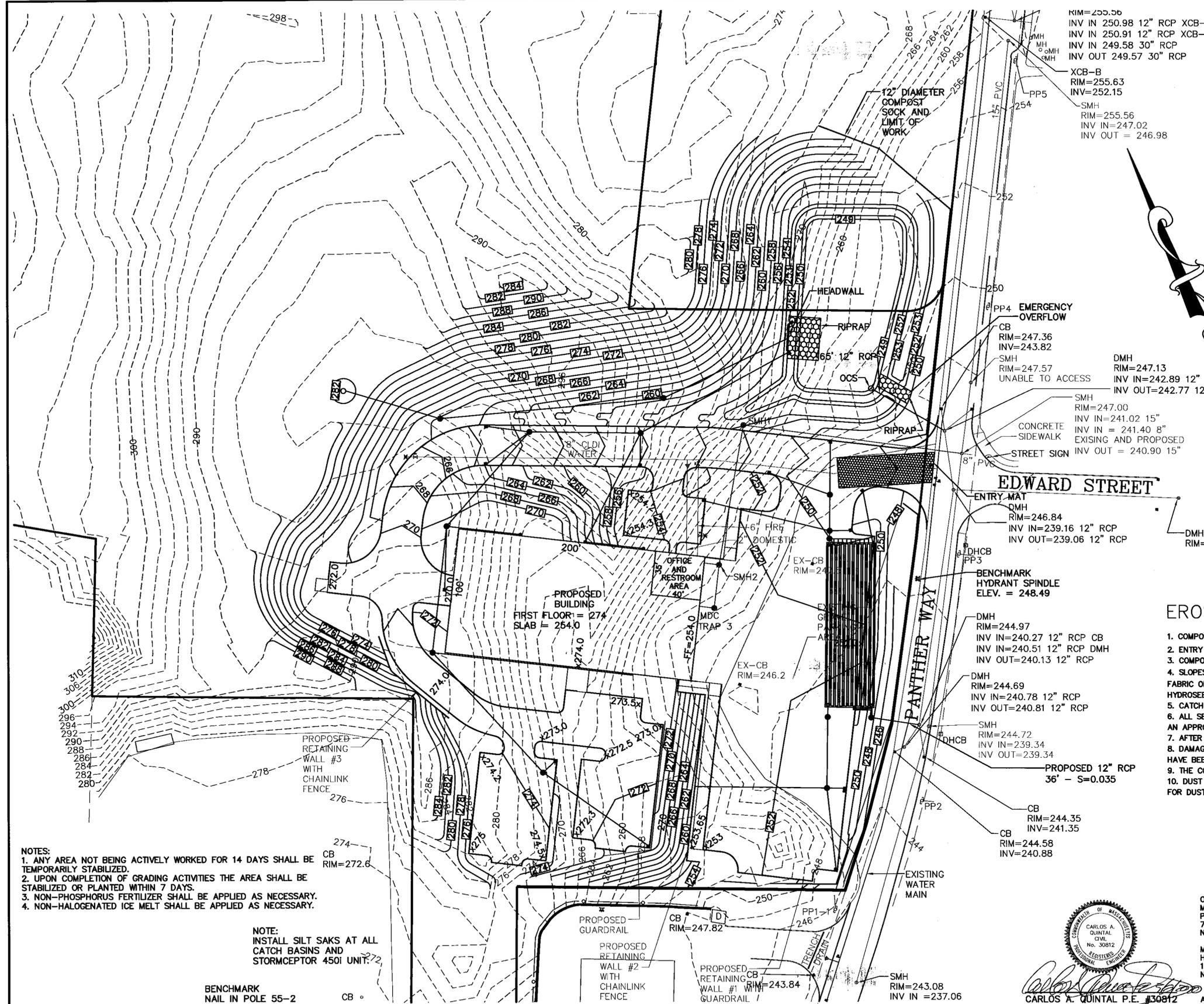
1. INSTALL SILT SAKS, COMPOST SOCK AND ENTRY SEDIMENTATION CONTROL MATS.
2. CONSTRUCT POND 2 TO A BOTTOM ELEVATION OF 250.0. LOAM AND SEED SIDE SLOPES
3. INSTALL AND CONNECT DI 16 TO POND 2, ONCE POND 2 IS STABILIZED.
4. COMMENCE WITH SITE WORK BY BRINGING THE SITE TO SUB-GRADE. EXCAVATE AND CONSTRUCT THE BUILDING FOUNDATION. CONSTRUCT RETAINING WALLS 1-3. WHILE THE BUILDING IS UNDER CONSTRUCTION THE SITE UTILITIES WILL BE INSTALLED. THIS WILL INCLUDE THE THE DRAINAGE SYSTEM INSTALLATION.
5. UPON COMPLETION OF THE SITE UTILITIES, BRING THE PROPOSED PAVEMENT AREAS TO SUB-GRADE AN PAVE THE BINDER COURSE.
6. INSTALL THE CURBING AND WALKWAYS.
7. INSTALL THE LANDSCAPING AND LOAM AND SEED ALL DISTURBED AREAS.
8. PAVE THE SITE WITH A FINISH COURSE.
9. ONCE ALL CONTRIBUTORY AREAS HAVE BEEN STABILIZED EXCAVATE THE EXCESS SOIL FROM POND 2 AND COMPLETE THE CONSTRUCTION OF POND 2.
10. REMOVE COMPOST SOCK AND SILT SAKS. COMPOST SOCK AND SILT SAKS ARE TO REMAIN IN PLACE UNTIL ALL CONTRIBUTORY AREAS HAVE BEEN SATISFACTORILY STABILIZED.

CONSTRUCTION SEQUENCE NOTES:

1. INSTALL SILT SAKS, COMPOST SOCK AND ENTRY SEDIMENTATION CONTROL MATS.
2. CONSTRUCT POND 2 AND APPLY ROOT ZONE MIX. SEED AREAS PER DETAIL. AFTER CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED THE DESIGN ENGINEER SHALL INSPECT POND 2 AND SHALL DIRECT THE CONTRACTOR TO REMOVE AND REAPPLY ROOT ZONE MIX IF ANY CONTAMINATED AREAS ARE DISCOVERED.
3. TEMPORARY SEDIMENTATION BASIN SHALL BE CONSTRUCTED AND CONNECTED TO POND 2 ONCE POND 2 IS STABILIZED.
4. COMMENCE WITH SITE WORK FOR PHASE 1 BY BRINGING THE SITE TO SUB-GRADE. INSTALL THE RETAINING WALL AT BUILDING 1. INSTALL THE FOUNDATION FOR BUILDING 1. WHILE THE BUILDING IS UNDER CONSTRUCTION THE SITE UTILITIES WILL BE INSTALLED. THIS WILL INCLUDE THE THE DRAINAGE SYSTEM INSTALLATION.
5. UPON COMPLETION OF THE PHASE 1 SITE UTILITIES, BRING THE PROPOSED PAVEMENT AREAS TO SUB-GRADE AN PAVE THE BINDER COURSE.
6. INSTALL THE PHASE 1 LANDSCAPING AND LOAM AND SEED ALL DISTURBED AREAS.
7. COMPOST SOCK AND SILT SAKS SHALL REMAIN IN PLACE UNTIL ALL CONTRIBUTORY AREAS ARE STABILIZED.

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. CATCH BASINS, STORMCEPTOR, CDS UNITS 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.



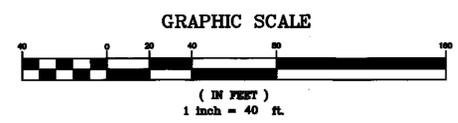
- NOTES:**
1. ANY AREA NOT BEING ACTIVELY WORKED FOR 14 DAYS SHALL BE TEMPORARILY STABILIZED.
 2. UPON COMPLETION OF GRADING ACTIVITIES THE AREA SHALL BE STABILIZED OR PLANTED WITHIN 7 DAYS.
 3. NON-PHOSPHORUS FERTILIZER SHALL BE APPLIED AS NECESSARY.
 4. NON-HALOGENATED ICE MELT SHALL BE APPLIED AS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

NOTE:
INSTALL SILT SAKS AT ALL CATCH BASINS AND STORMCEPTOR 450I UNIT.

BENCHMARK
NAIL IN POLE 55-2 CB

**SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD**

DATE



NO.	DATE	DESCRIPTION	BY



CARLOS A. QUINTAL P.E. #30812

OWNERS:
MAP 270 PARCEL 38
PANTHER WAY 2019 LLC
7 MYRTLE STREET
NORFOLK, MASSACHUSETTS

MAP 270 PARCEL 39
HOLMES LAND TRUST
12 MYRTLE STREET
NORFOLK, MASSACHUSETTS

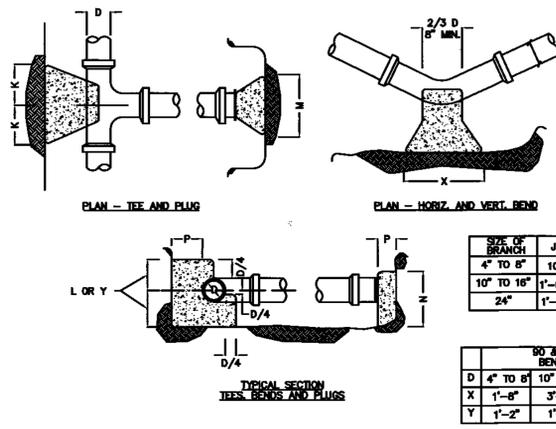
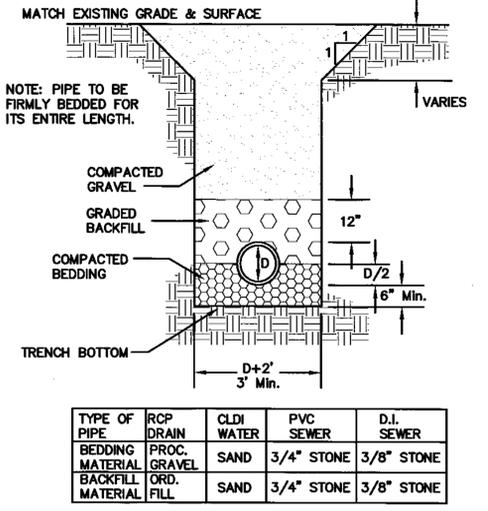
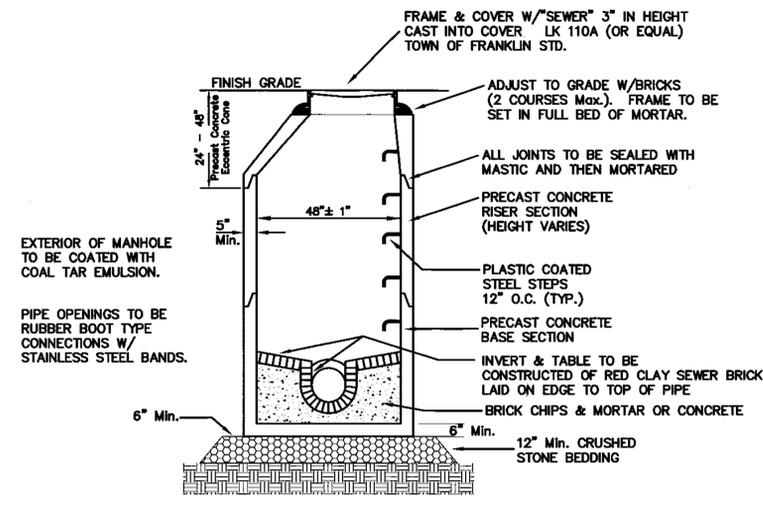
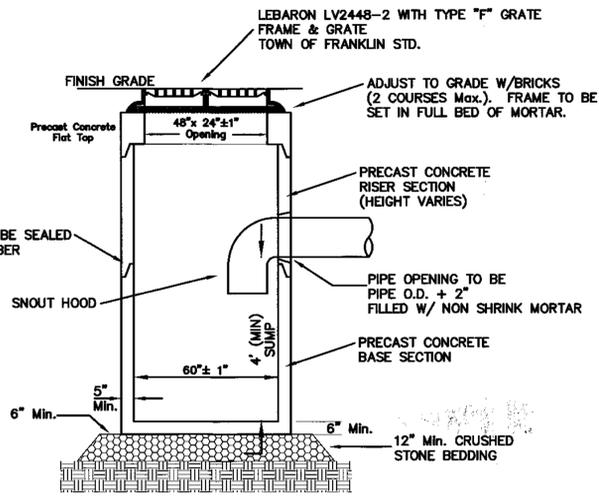
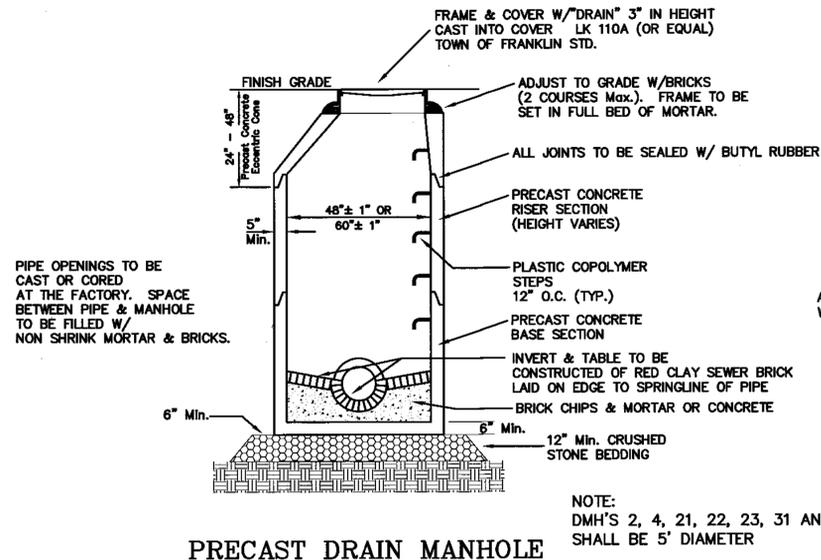
APPLICANT:
CAMFORD PROPERTY GROUP, INC
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

DATE	FIELD BY:	INT.
12/18		BL
BK#	FIELD BOOK	PG#
2/20		RRG
2/20	DESIGNED BY:	RRG
2/20	DRAWN BY:	COMP
2/20	CHECKED BY:	CAQ

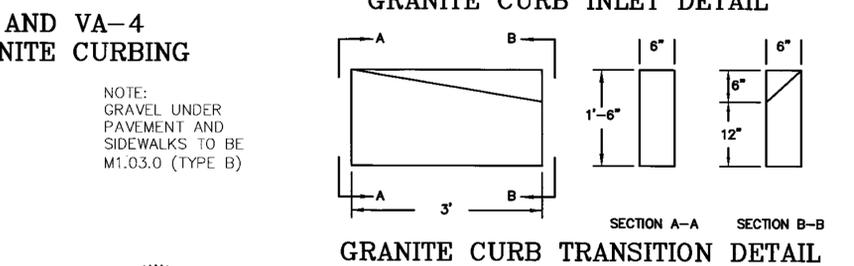
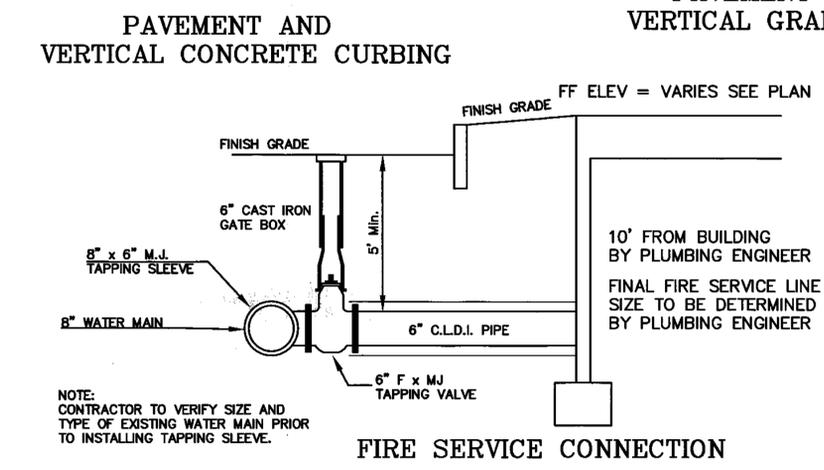
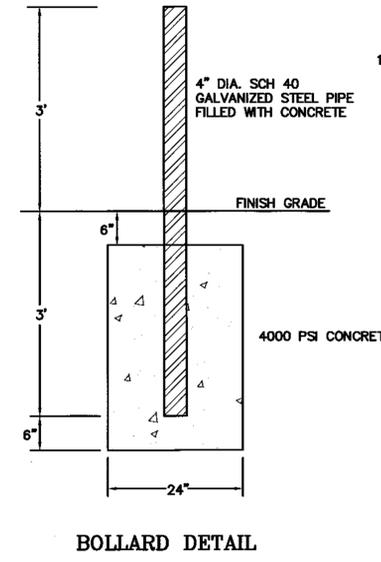
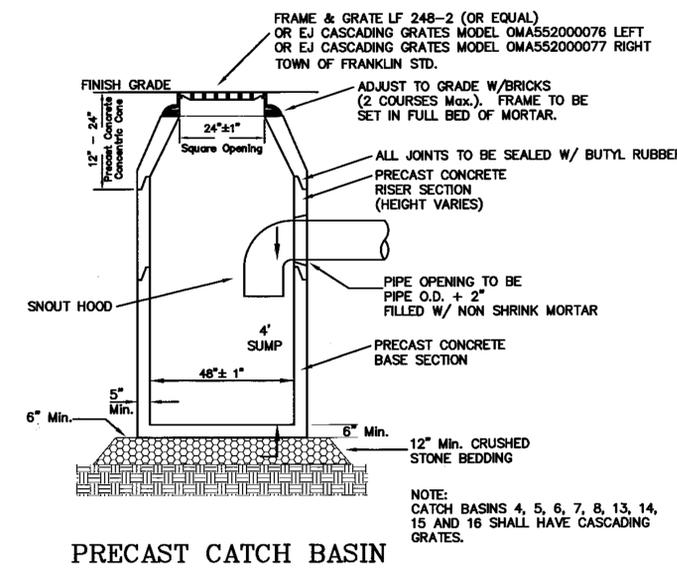
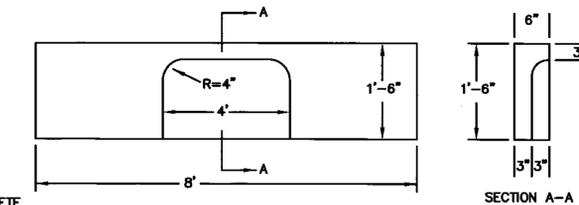
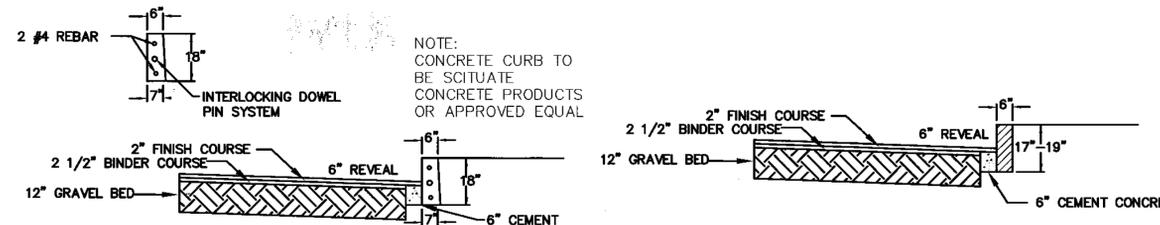
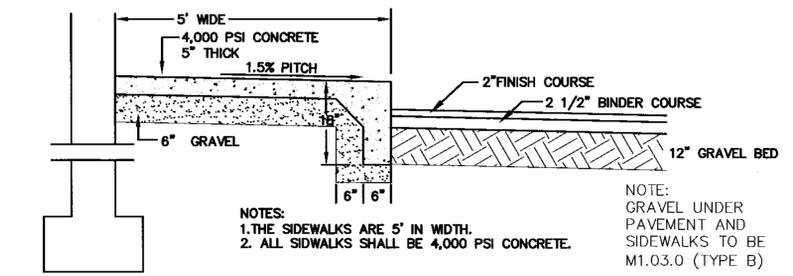
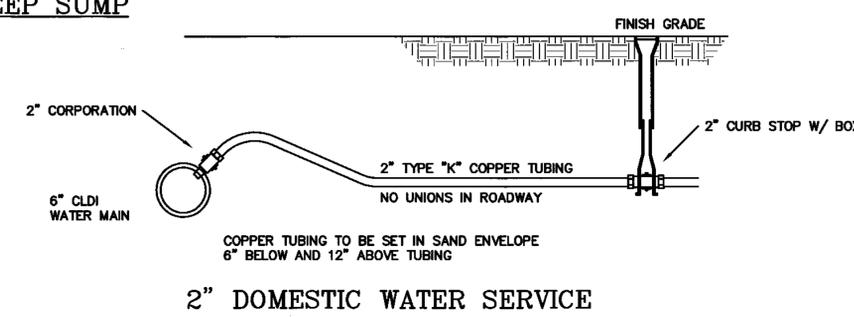
EROSION CONTROL PLAN
PANTHER WAY
FRANKLIN, MASSACHUSETTS
PREPARED FOR
CAMFORD PROPERTY GROUP, INC.
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
FEBRUARY 19, 2020
SCALE: 1" = 40'

UNITED CONSULTANTS INC.
850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-6560 FAX 508-384-6566

DATE	SCALE	PROJECT	SHEET
FEB. 19, 2020	1" = 40'	UC1378	ERC1



- 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.



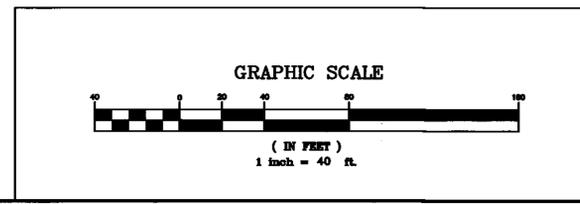
SEAL OF CARLOS A. QUINTAL, CIVIL ENGINEER, No. 30812, REGISTERED PROFESSIONAL ENGINEER.

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

CONSTRUCTION DETAILS - 1
 PANTHER WAY
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
 CAMFORD PROPERTY GROUP, INC.
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 FEBRUARY 19, 2020
 SCALE: 1" = 40'

SITE PLAN APPROVAL REQUIRED
 FRANKLIN PLANNING BOARD

DATE _____



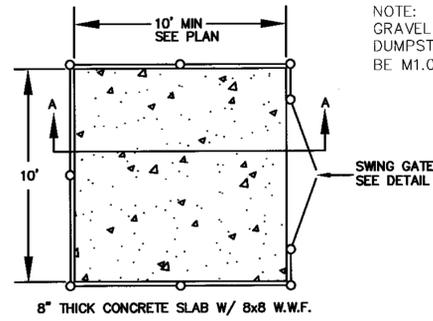
NO.	DATE	DESCRIPTION	BY

DATE	FIELD BY:	INT.
12/18	FIELD BOOK	BL
2/20	CALCS BY:	RRG
2/20	DESIGNED BY:	RRG
2/20	DRAWN BY:	COMP
2/20	CHECKED BY:	CAQ

UNITED CONSULTANTS INC.

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

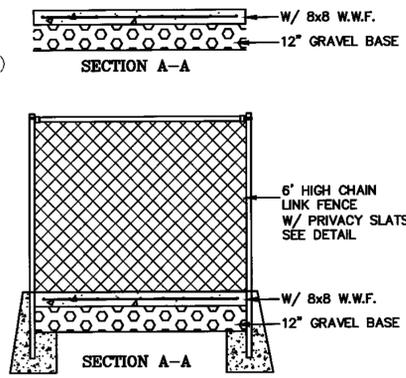
DATE: FEB. 19, 2020
 SCALE: 1" = 40'
 PROJECT: UC1378
 SHEET: CD1



CONCRETE DUMPSTER PAD

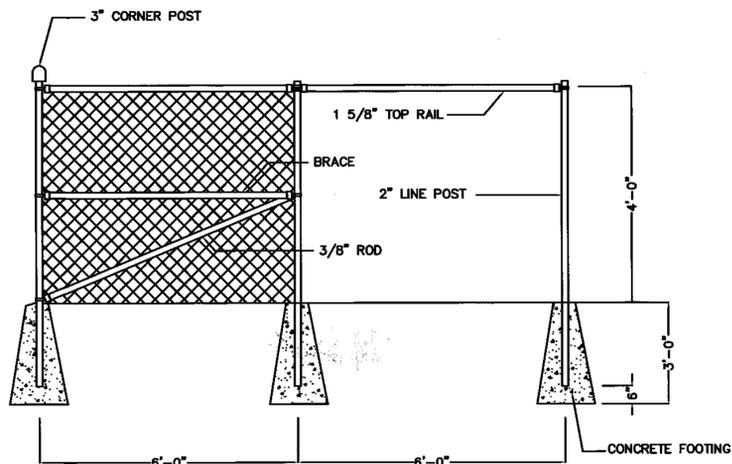
NOTE: DUMPSTER PAD AT BUILDING 1 WILL HAVE THE FENCE CONNECT TO THE RETAINING WALL. NO FENCE IS PROPOSED TO THE REAR OF THE DUMPSTER PAD.

NOTE: GRAVEL UNDER DUMPSTER PAD TO BE M1.03.0 (TYPE B)



DUMPSTER AREA FENCE

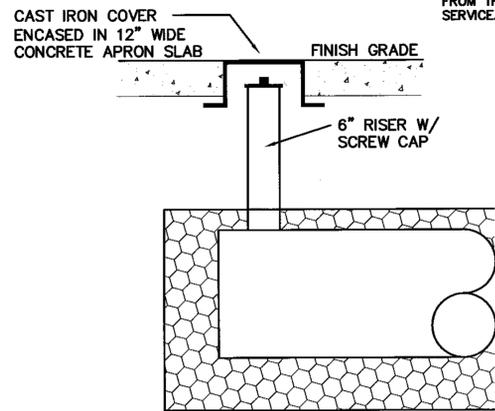
NOTES:
 1. CONTRACTOR TO CONTACT DIGSAFE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 2. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES ANY REPORT ANY DISCREPANCIES TO UNITED CONSULTANTS, INC.
 3. ALL WORK SHALL CONFORM TO THE TOWN OF FRANKLIN DPW STANDARDS.
 4. MAINTAIN A MINIMUM OF 10' SEPARATION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



CHAIN LINK FENCE - CORNER & LINE SECTION

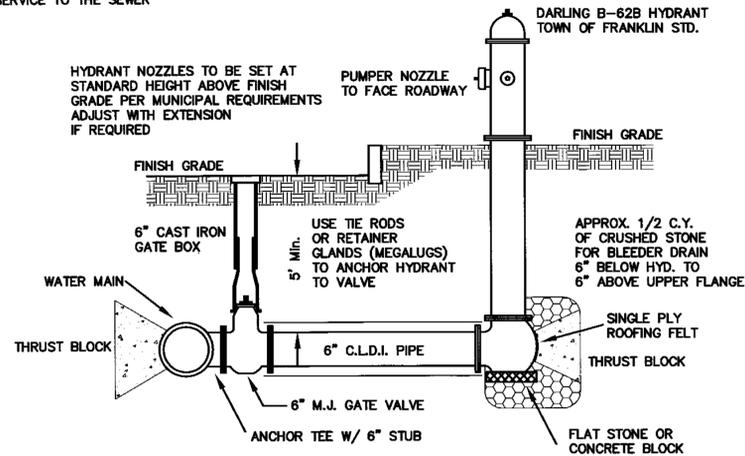
NOT TO SCALE

NOTE: CHAIN LINK FENCE TO BE INSTALLED AT RETAINING WALLS EXCEEDING 4' IN HEIGHT.

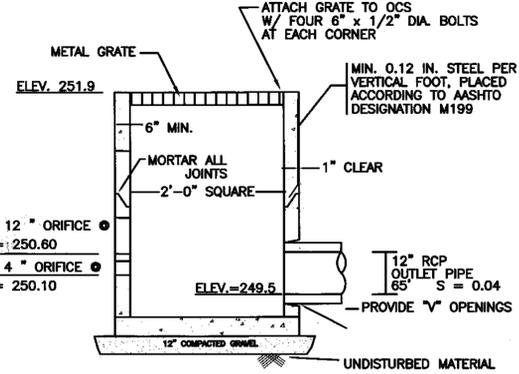


INSPECTION PORT DETAIL

N.T.S.

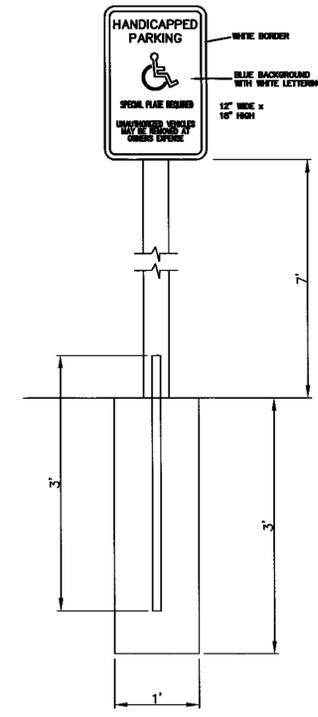


HYDRANT CONNECTION



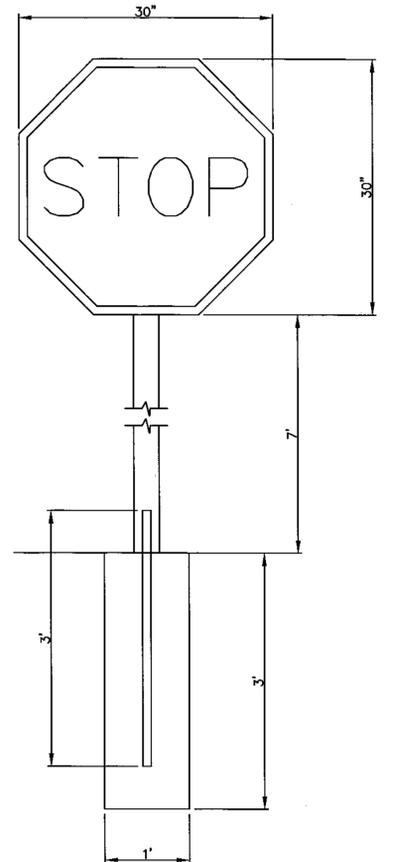
OCS

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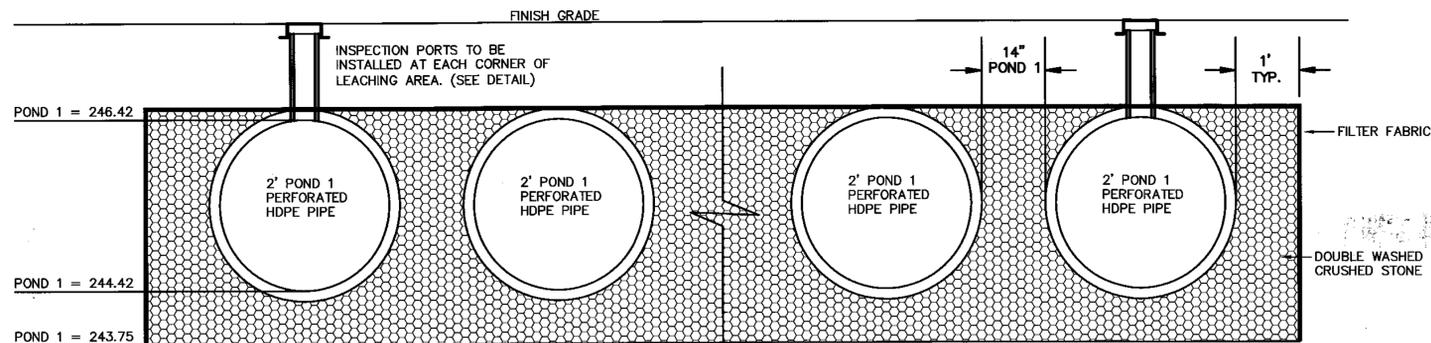
HANDICAP SIGN DETAIL

N.T.S.



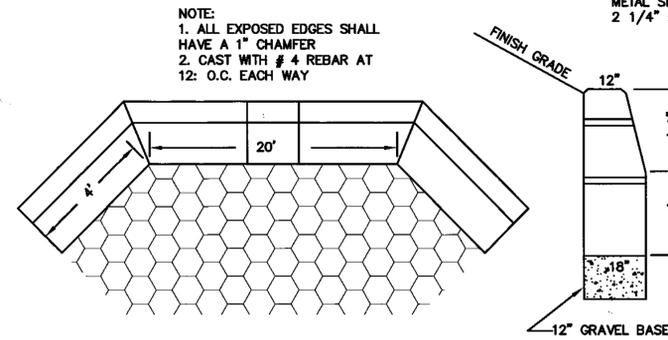
STOP SIGN DETAIL

N.T.S.

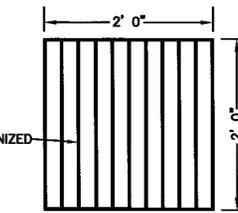


INFILTRATION POND 1

NOTE: INFILTRATION POND 1 CONSISTS OF 11 ROWS OF 2' DIAMETER PERFORATED HDPE PIPE 130' IN LENGTH.



TYPE "B" PRECAST HEADWALL



OCS GRATE DETAIL

NOT TO SCALE

NOTE:
 1. ALL EXPOSED EDGES SHALL HAVE A 1\"/>

1/4" x 2" GALVANIZED METAL SLATS
 2 1/4" ± OC



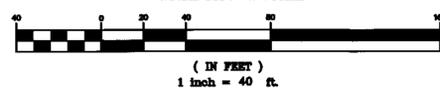
Carlos A. Quintal
 CARLOS A. QUINTAL P.E. #30812

CONSTRUCTION DETAILS - 2
 PANTHER WAY
 FRANKLIN, MASSACHUSETTS
 PREPARED FOR
 CAMFORD PROPERTY GROUP, INC.
 37 EAST CENTRAL STREET
 FRANKLIN, MASSACHUSETTS
 FEBRUARY 19, 2020
 SCALE: 1" = 40'

SITE PLAN APPROVAL
 REQUIRED
 FRANKLIN PLANNING BOARD

DATE

GRAPHIC SCALE



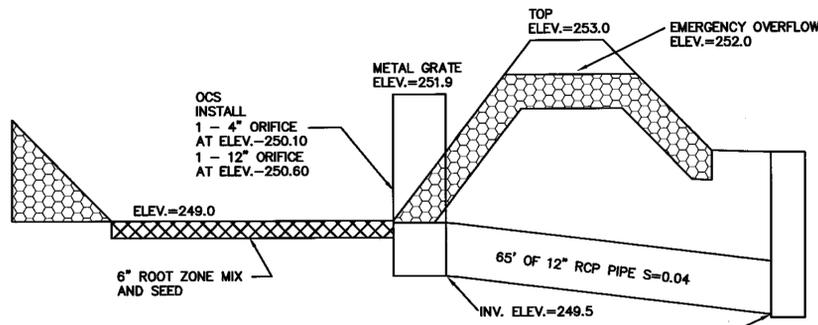
(IN FEET)
 1 inch = 40 ft.

NO.	DATE	DESCRIPTION	BY

DATE	FIELD BY:	INT.
12/18		BL
BK#	FIELD BOOK	PG#
2/29		RRG
2/20	DESIGNED BY:	RRG
2/20	DRAWN BY:	COMP
2/20	CHECKED BY:	CAQ

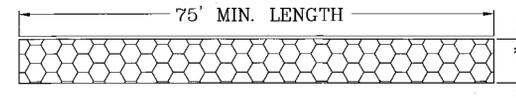
UNITED CONSULTANTS INC.
 850 FRANKLIN STREET SUITE 11D
 WRENTHAM, MASSACHUSETTS 02093
 508-384-8580 FAX 508-384-8586

DATE	SCALE	PROJECT	SHEET
FEB. 19, 2020	1" = 40'	UC1378	CD2



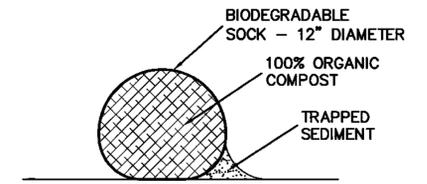
INFILTRATION BASIN SECTION
N.T.S.

- CONSTRUCTION NOTES:
1. RIP RAP TO BE MAXIMUM OF 24" AVERAGE OF 18" AND MINIMUM OF 12".
 2. RIP RAP TO BE PLACED OVER A FILTER FABRIC.
 3. RIP RAP MINIMUM DEPTH SHALL BE 24"
 4. RIP RAP INLET TO BE 25' x 34'.
 5. BOTTOM OF INFILTRATION BASIN SHALL HAVE ALL A AND B HORIZON SOIL REMOVED, FILLED WITH CLEAN SAND AND GRAVEL AND SHALL THEN HAVE A 6" MINIMUM LAYER OF ROOT ZONE MIX APPLIED. ROOT ZONE MIX TO HAVE A PERMEABILITY RATE OF 20" PER HOUR. CONTRACTOR TO PROVIDE SPECIFICATION OF THE ROOT ZONE MIX TO THE DESIGN ENGINEER FOR APPROVAL.
 6. SIDE SLOPES TO HAVE A MINIMUM OF 6" OF LOAM.
 7. INFILTRATION BASIN SHALL BE SEEDED WITH WATER TOLERANT SEED MIX.
 8. THE AREA UNDER EMBANKMENTS SHALL BE STRIPPED OF ALL TOPSOIL, TREES, ROOTS, VEGETATION AND DELETERIOUS MATERIALS.
 9. COMPACTED LOW PERMEABILITY SOIL SHALL (SILTY GRAVELY SAND) WHICH SHALL BE FREE OF STONES GREATER THAN 6", ORGANIC MATTER, CONSTRUCTION DEBRIS, SNOW AND FROZEN SOIL.
 10. EMBANKMENTS SOIL TO BE PLACED IN 8" LIFTS AND SHALL BE COMPACTED.

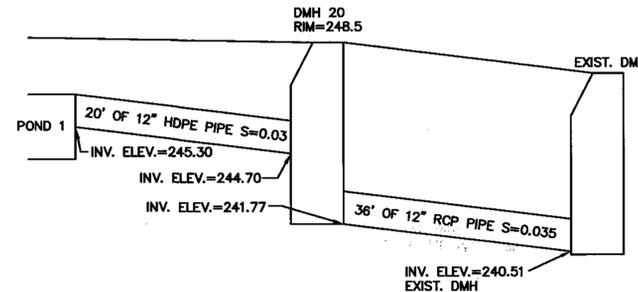


ENTRY SEDIMENTATION CONTROL
MAT SECTION
N.T.S.

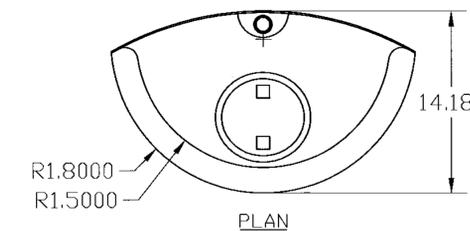
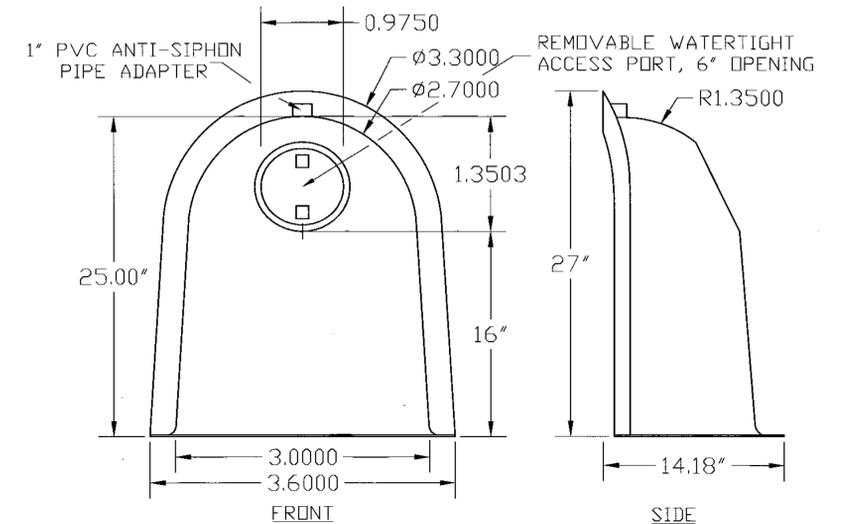
- NOTES:
1. PAD SHALL BE A MINIMUM OF 24 FEET IN WIDTH.
 2. PAD SHALL CONSIST OF 4" STONE 8" IN DEPTH AND THEN TOP DRESSED WITH 4" OF 1" - 2" WASHED STONE.



COMPOST SOCK DETAIL



POND 1 OUTLET DETAIL
N.T.S.

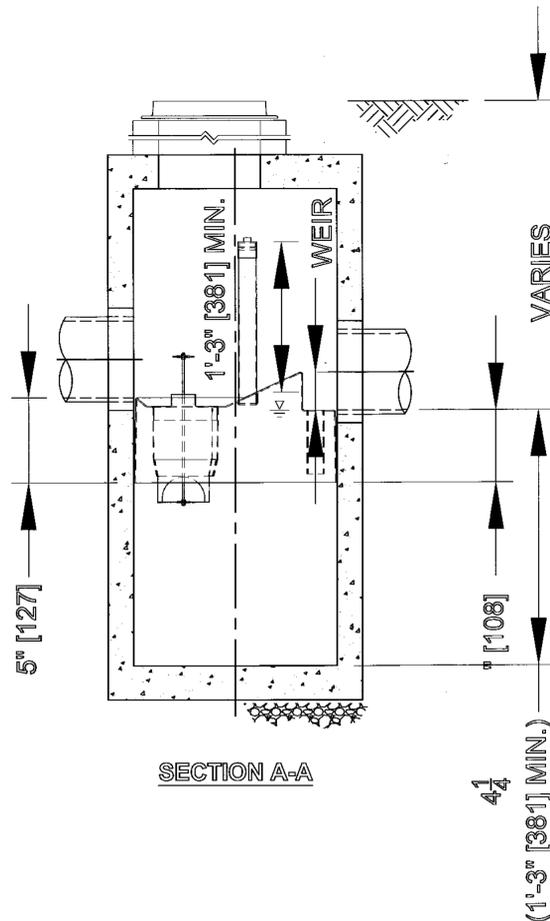


DESIGNED TO FIT
48"-60" DIAM.
STRUCTURES

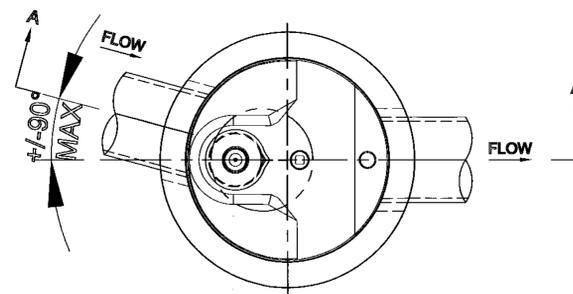
US PATENT # 6126817
ADDITIONAL PATENTS PENDING

BMP, INC.		
53 MT. ARCHER ROAD, LYME, CT. 06371 (800) 504-8008 FAX: (860) 434-3185		
DESCRIPTION 18R SNOUT OIL & DEBRIS STOP	DATE 09/06/99	SCALE NONE
DRAWING NUMBER 18R		

SNOUT DETAIL



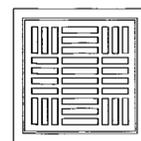
SECTION A-A



PLAN VIEW
TOP SLAB NOT SHOWN

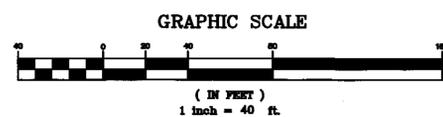


FRAME AND COVER
(MAY VARY)
NOT TO SCALE

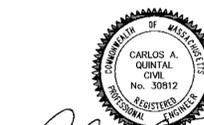


FRAME AND GRATE
(MAY VARY)
NOT TO SCALE

STORMCEPTOR 450i
N.T.S.



NO.	DATE	DESCRIPTION	BY



CARLOS A. QUINTAL P.E. #30812

CONSTRUCTION DETAILS - 3
PANTHER WAY
FRANKLIN, MASSACHUSETTS
PREPARED FOR
CAMFORD PROPERTY GROUP, INC.
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
FEBRUARY 19, 2020
SCALE: 1" = 40'

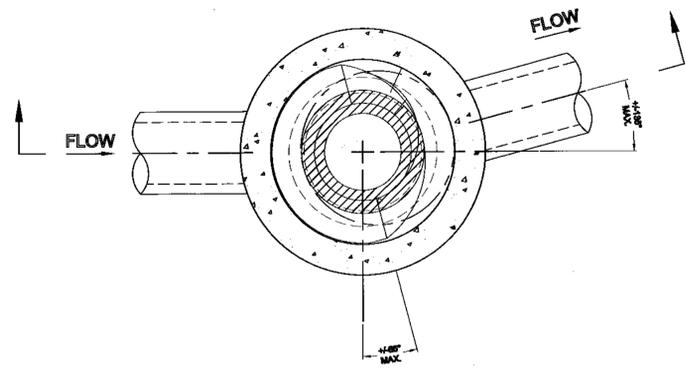
UNITED CONSULTANTS INC.

850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-6560 FAX 508-384-6566

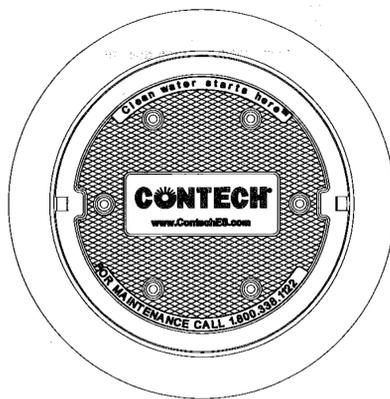
DATE	FEB. 19, 2020
SCALE	1" = 40'
PROJECT	UC1378
SHEET	CD3

SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD

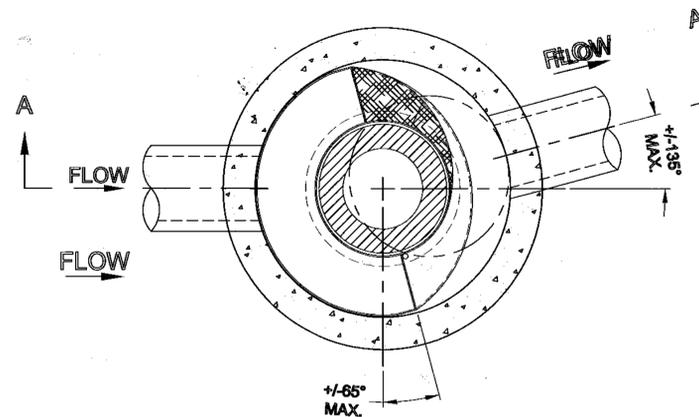
DATE



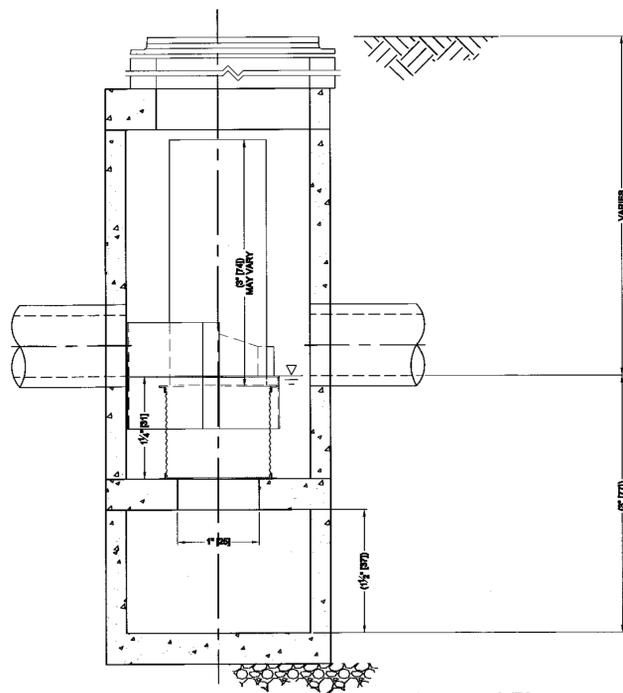
PLAN VIEW B-B
N.T.S.



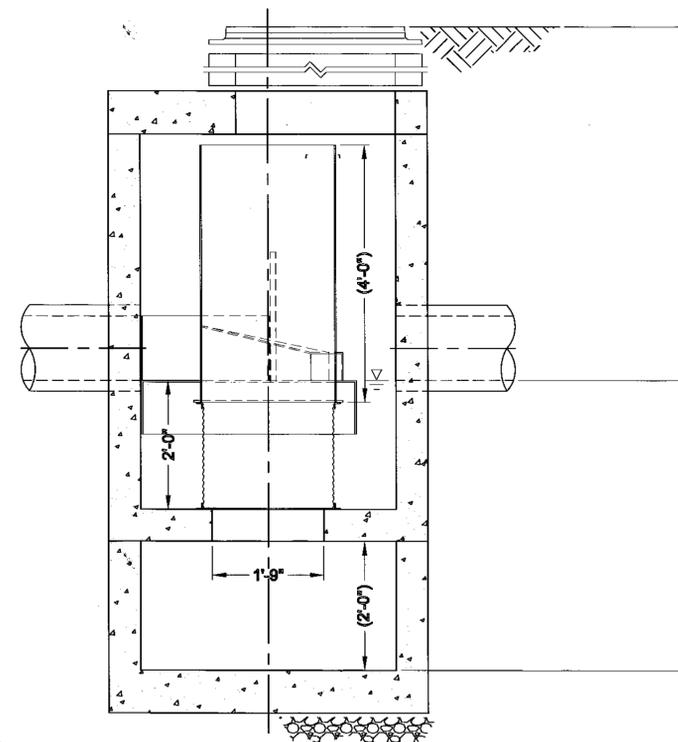
FRAME AND COVER
(DIAMETER VARIES)
N.T.S.



PLAN VIEW B-B
N.T.S.



ELEVATION A-A
N.T.S.



ELEVATION A-A
N.T.S.

GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2', AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
5. IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
6. CDS STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

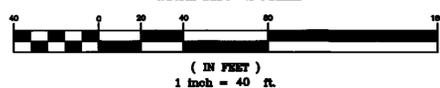
INSTALLATION NOTES

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE.
- C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD

DATE

GRAPHIC SCALE



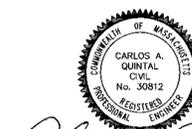
NO.	DATE	DESCRIPTION	BY

DATE	FIELD BY:	INT.
12/18	BL	BL
BK#	FIELD BOOK	PG#
2/20	RRG	RRG
2/20	DESIGNED BY:	RRG
2/20	DRAWN BY:	COMP
2/20	CHECKED BY:	CAQ

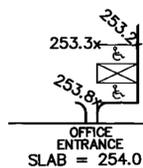
UNITED CONSULTANTS INC.
850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-6560 FAX 508-384-6566

DATE
FEB. 19, 2020
SCALE
1" = 40'
PROJECT
UC1378
SHEET
CD4

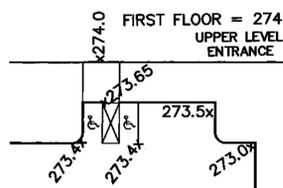
GDS
CONSTRUCTION DETAILS - 4
PANTHER WAY
FRANKLIN, MASSACHUSETTS
PREPARED FOR
CAMFORD PROPERTY GROUP, INC.
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
FEBRUARY 19, 2020
SCALE: 1" = 40'



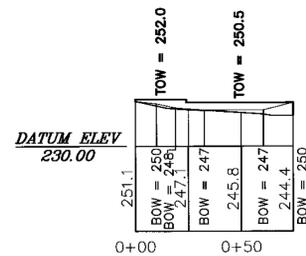
Carlos A. Quintal
CARLOS A. QUINTAL P.E. #30812



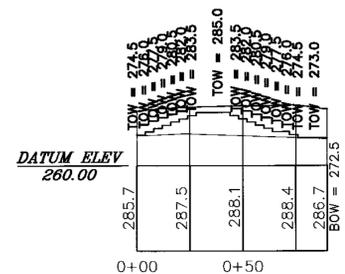
ACCESSIBLE ROUTE GRADING
LOWER LEVEL
SCALE: 1" = 40'



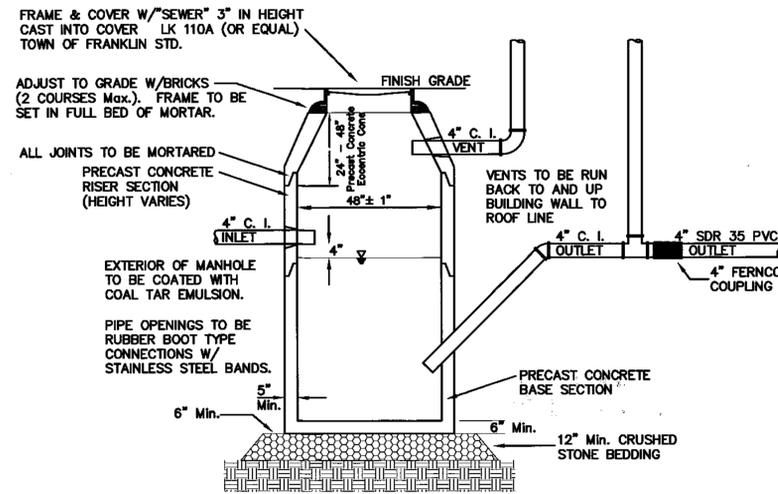
ACCESSIBLE ROUTE GRADING
UPPER LEVEL
SCALE: 1" = 40'



PROPOSED RETAINING WALL #1
SCALE: H - 1" = 40'



PROPOSED RETAINING WALL #3
SCALE: H - 1" = 40'



M.D.C. STYLE TRAP

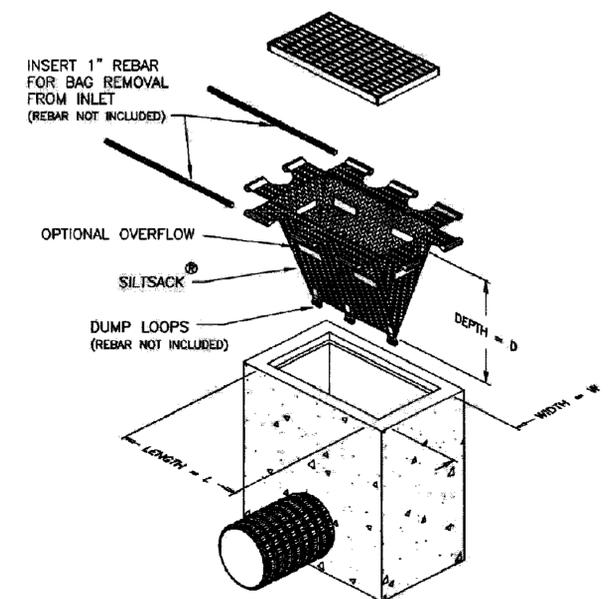
CONTRACTOR TO CONFIRM EXISTING ELEVATIONS AT CONNECTION POINT AND NOTIFY THE DESIGN ENGINEER.

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.

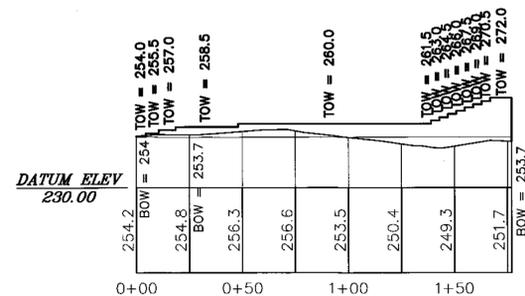
SEWER PIPE TO MDC SHALL BE 4" CAST IRON INTO AND OUT OF MDC MANHOLE. REFER TO DETAIL FOR CONNECTION TO PVC.

MDC MANHOLE VENTING TO BE CONNECTED TO THE BUILDING AT THE DISCRETION OF THE PLUMBING ENGINEER.

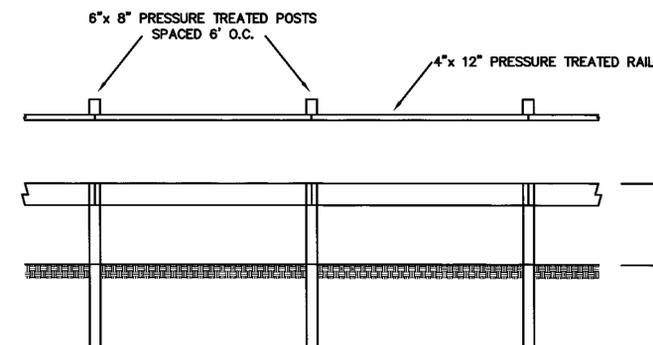
Typical Siltsack® Construction - Type B



SILT SACK DETAIL
NOT TO SCALE



PROPOSED RETAINING WALL #2
SCALE: H - 1" = 40'



WOODEN GUARDRAIL DETAIL
N.T.S.

- PROPOSED RETAINING WALL NOTES:
1. PROPOSED RETAINING WALL SHOWN TO PROVIDE TOP OF WALL (TOW) AND BOTTOM OF WALL (BOW) ELEVATIONS.
 2. FINAL WALL DESIGNS TO BE COMPLETED BY A STRUCTURAL ENGINEER AND FILED WITH THE BUILDING DEPARTMENT.
 3. PROPOSED RETAINING WALLS TO BE REDI ROCK BLOCKS. BLOCK TO BE 1.5 FEET IN HEIGHT.



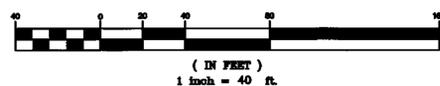
CARLOS A. QUINTAL P.E. #30812

CONSTRUCTION DETAILS - 5
PANTHER WAY
FRANKLIN, MASSACHUSETTS
PREPARED FOR
CAMFORD PROPERTY GROUP, INC.
37 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
FEBRUARY 19, 2020
SCALE: 1" = 40'

SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD

DATE

GRAPHIC SCALE

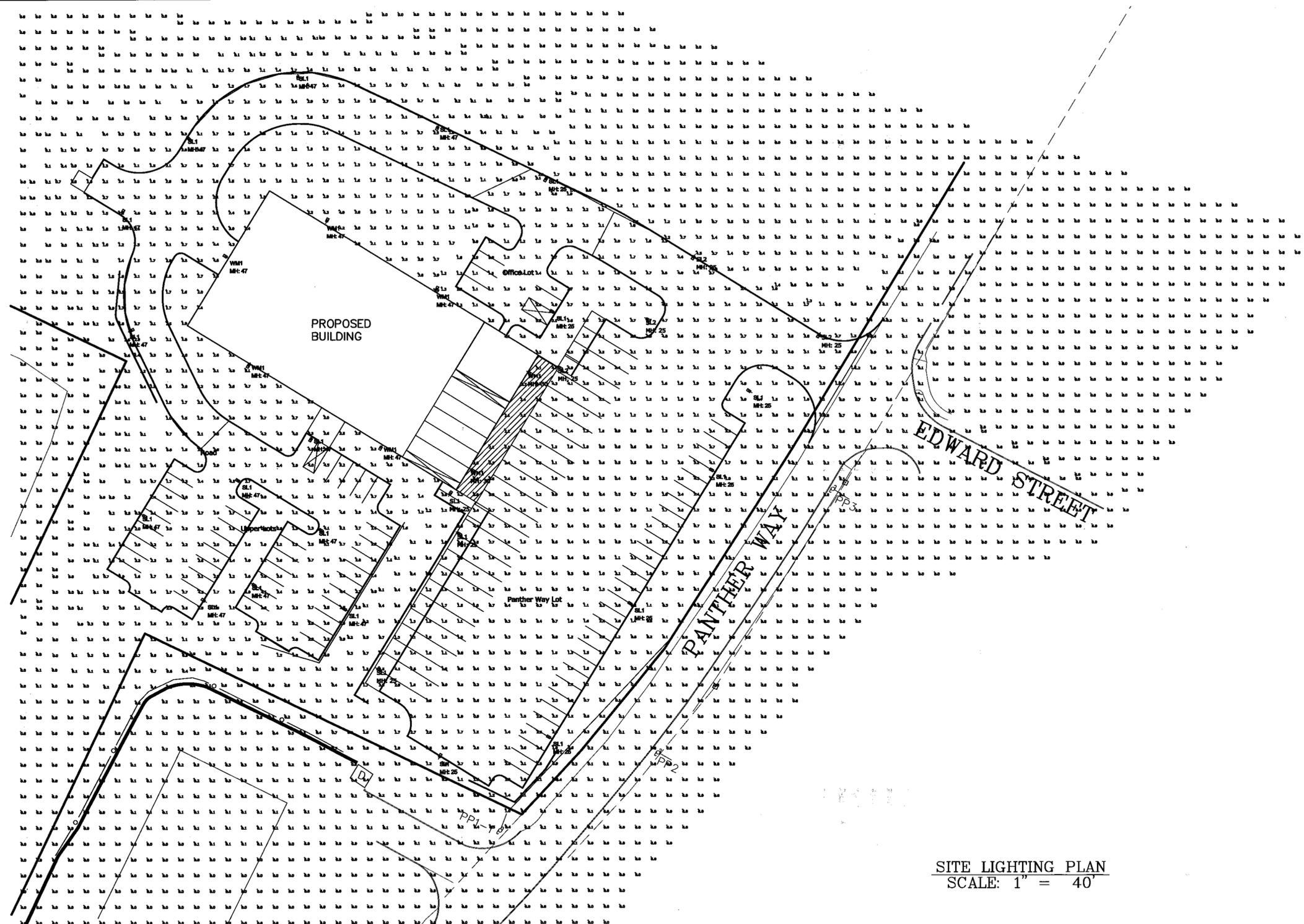


NO.	DATE	DESCRIPTION	BY

DATE	FIELD BY:	INT.
12/18		BL
BK#	FIELD BOOK	PG#
2/20		RRG
2/20	DESIGNED BY:	RRG
2/20	DRAWN BY:	COMP
2/20	CHECKED BY:	CAQ

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

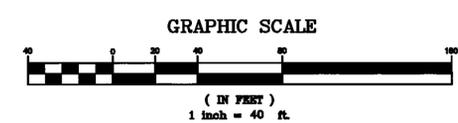
DATE	SCALE	PROJECT	SHEET
FEB. 19, 2020	1" = 40'	UC1378	CD5



SITE LIGHTING PLAN
SCALE: 1" = 40'

Symbol	Label	Qty	Description	LLF	Lum. Watts	Lum. Lumens
→	SL1	22	Visionaire # VMX-1-T3-64LC-5-4K-UNV-CLS	0.900	106	9251
→	SL2	4	Visionaire # VMX-1-T4-64LC-5-4K-UNV	0.900	107	13880
→	WM1	7	Visionaire # VMX-1-T4-64LC-5-4K-UNV	0.900	107	13880

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Level 1	Illuminance	Fc	1.67	6.5	0.0	N.A.	N.A.
Level 2	Illuminance	Fc	2.07	6.9	0.1	20.70	69.00
Level 3	Illuminance	Fc	0.20	2.6	0.0	N.A.	N.A.
Level 4	Illuminance	Fc	0.00	0.1	0.0	N.A.	N.A.
Level 5	Illuminance	Fc	0.11	4.5	0.0	N.A.	N.A.
Level 6	Illuminance	Fc	0.04	1.4	0.0	N.A.	N.A.
Level 7	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
Office Lot	Illuminance	Fc	2.41	5.5	0.9	2.68	6.11
Panther Way Lot	Illuminance	Fc	1.96	6.5	0.3	6.53	21.67
Road	Illuminance	Fc	2.39	4.6	0.8	2.99	5.75
Upper Lots	Illuminance	Fc	2.83	5.2	1.0	2.83	5.20



NOTES:
A. CALCULATION POINTS INDICATED ARE BASED ON MAINTAINED FOOTCANDLE (FC) LEVELS AFTER A LIGHT LOSS FACTOR (LLF) IS APPLIED TO FIXTURE. REFER TO SCHEDULES FOR LLF AND LUMEN INFORMATION.
B. FIXTURES TO BE MOUNTED AT 25'-0" AFG.
C. CALCULATION POINTS TAKEN AT GRADE.

PROJECT NAME
PantherWay

CLIENT
United Consultants
850 Franklin St
11D
Wrentham, MA 02093

SEAL

No.	Description	Date
5.		
4.		
3.		
2.		
1.		

Issue Date: 3/5/2020
Project #: 20035
Drawn: AM
Checked: TJ
Approved: GD
Scale: AS NOTED

DRAWING NAME
Site Lighting Plan, Schedules and Specifications

DRAWING NUMBER

SL1