THE GATEWAY

SITE PLAN

220, 245, 265 & 270 GATEWAY BOULEVARD ~ SOUTH WINDSOR ~ CT

#15300190, 15300218, #15300240 & #15300274

ZONING TABLE

ZONE: GD ZONE (BUCKLAND ROAD GATEWAY DEVELOPMENT ZONE)

ITEM	REQUIRED/ ALLOWED	PREVIOUSLY APPROVED (200 & 205 GATEWAY BOULEVARD)	PROPOSED (200, 205, 220, 245, 265 & 270 GATEWAY BOULEVARD)
LOT AREA	3 AC MIN.	12.99 AC	32.86 AC
LOT FRONTAGE	200'	270'	1269'
LOT DEPTH	200'	1065.27'	1065.27'
FRONT YARD	65'	67'	67'
SIDE YARD	25'	45.9'	45.9'
REAR YARD	10'	900'	134.61'
BUILDING HEIGHT	90'/6 STORIES*	26.4' (1 STORY)	31.25' (1 STORY)*
PARKING	SEE BELOW**	124	488**
INTERIOR LANDSCAPING	10%	10.5%	10.3%
IMPERVIOUS COVERAGE	60%	24.6%	34.57%***

NOTES:

* PROPOSED BUILDINGS TO BE SIZED INDIVIDUALLY PER TENANT AND ZONING REQUIREMENTS. DISTANCE FROM PROPERTY LINE WILL DEFINE MAXIMUM HEIGHT OF EACH BUILDING:
30' MAX BUILDING HEIGHT (2 STORIES) WITHIN 125' OF PUBLIC STREET RIGHT OF WAY.
60' MAX BUILDING HEIGHT (4 STORIES) > 125' FROM PUBLIC RIGHT OF WAY.
90' MAX HEIGHT (6 STORIES) > 200' FROM THE PUBLIC RIGHT OF WAY MAY BE GRANTED WITH COMMISSION APPROVAL.

** PARKING CALCULATION:

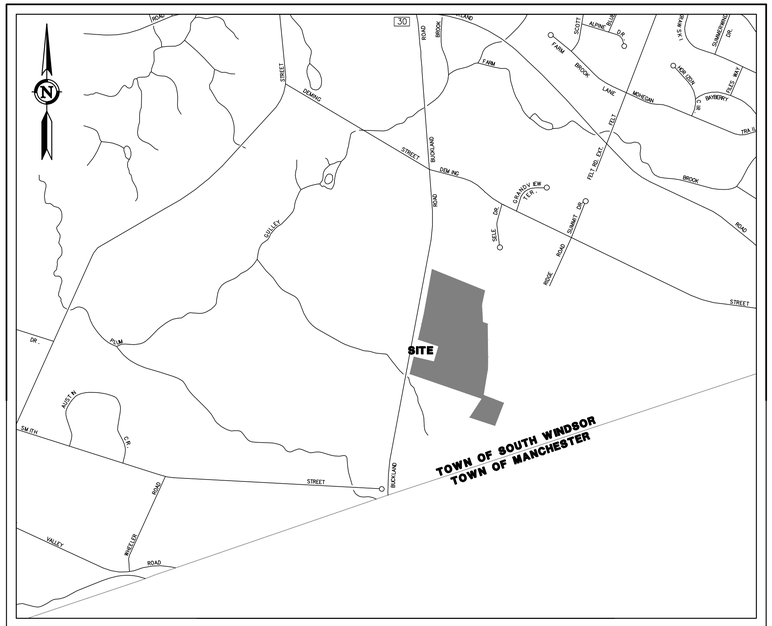
PROPOSED 50,400 SQFT (GFA) OFFICE:
50,400 (GFA) @ 4 SPACE/1,000 SQFT GFA =
202 MINIMUM SPACES REQUIRED

PROPOSED 38,880 SQFT (GFA) RETAIL:
38,880 (GFA) @ 1 SPACE/200 SQFT GFA =
195 MINIMUM SPACES REQUIRED

TOTAL PARKING SPACES REQUIRED = 397 SPACES
TOTAL PARKING SPACES PROVIDED = 488 SPACES
EXCESS PROPOSED PARKING SPACES = 91 SPACES

THE GATEWAY WILL HAVE A TOTAL OF 612 PARKING SPACES WITH THE TWO APPROVED BUILDINGS AND FOUR PROPOSED BUILDINGS. THERE ARE 180 SPACES LOCATED BETWEEN THE BUILDINGS AND BUCKLAND ROAD, LESS THAN ONE THIRD OF THE TOTAL AS REQUIRED PER THE ZONING REGULATIONS.

*** IMPERVIOUS COVERAGE WAS CALCULATION FOR ALL DEVELOPMENT AT 200, 205, 220, 245, 265 & 270 GATEWAY BOULEVARD. THE SITES TOTAL 32.86 ACRES. 200 & 205 GATEWAY BLVD INCLUDE A PREVIOUSLY APPROVED 3.19 ACRES OF IMPERVIOUS SURFACE. THE NEW DEVELOPMENT PROPOSES AN ADDITIONAL 8.17 ACRES OF IMPERVIOUS SURFACE, BRINGING THE ENTIRE SITE'S TOTAL UP TO 11.36 ACRES.
11.36 AC / 32.86 AC = 34.57% IMPERVIOUS COVERAGE



LOCATION MAP
SCALE: 1"=1,000'

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PRELIMINARY
NOT FOR CONSTRUCTION
THESE PLANS ARE FOR PLANNING PURPOSES ONLY INTENDED TO SECURE REGULATORY APPROVALS. ONLY FINAL PLANS STAMPED APPROVED BY THE TOWN SHALL BE USED FOR CONSTRUCTION PURPOSES.

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21 Jeffrey Drive
P.O. Box 1167
South Windsor, CT 06074

Phone: 860-291-8755
Fax: 860-291-8757
www.designprofessionalsinc.com

ARCHITECTS:

Prellwitz Chilinski Associates, Inc.
221 Hampshire Street
Cambridge, MA 02139
617-547-8120
www.prellwitzchilinski.com

Schadler Selnau Associates, PC
5 Waterville Road
Farmington, CT 06032
860-677-9620
www.hsa-architects.com

LANDSCAPE ARCHITECT:

CR3 Studio at Loureiro Engineering Associates, Inc.
100 Northwest Drive
Plainville, CT 06062
860-747-6181
www.loureiro.com

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

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21 JEFFREY DRIVE
P.O. BOX 1167
SOUTH WINDSOR, CT 06074
860-291-8755 - T
860-291-8757 - F
www.designprofessionalsinc.com

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PLANNERS / LANDSCAPE ARCHITECTS

PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.: 3530.M
DATE: 5/12/2020
DRAWN BY: BPW
CHKD BY: CMH
DESIGNED BY: BPW

REVISIONS

NO	DATE		BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

COVER SHEET

SHEET
C-T1
SHEET 1 OF 18

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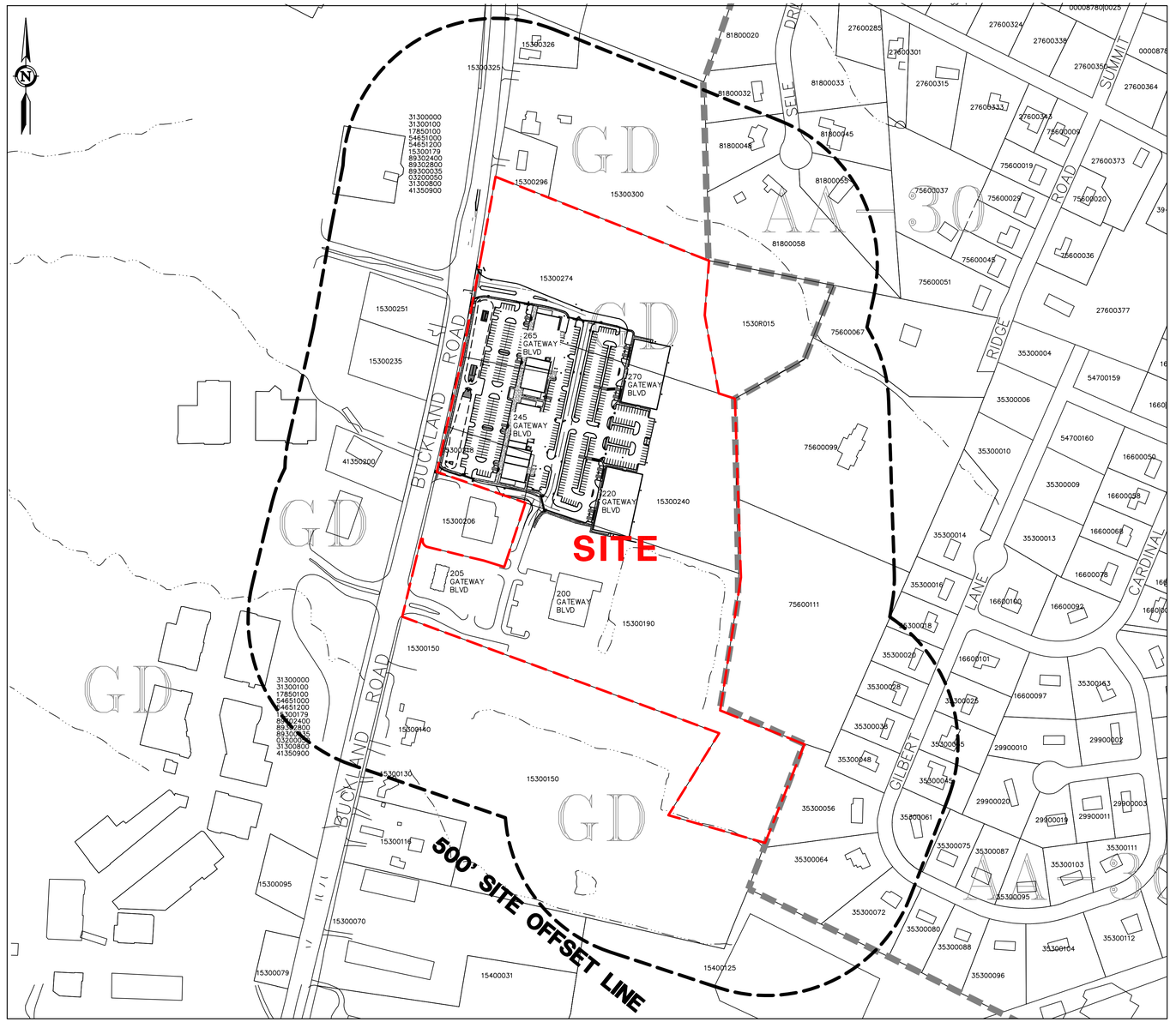
KEY MAP

N/F 500' ABUTTERS

STREET ADDRESS	OWNER	PARCEL ID
218 BUCKLAND ROAD	515 WEST MIDDLE TURNPIKE	15300218
240 BUCKLAND ROAD	515 WEST MIDDLE TURNPIKE	15300240
251 BUCKLAND ROAD	EVERGREEN WALK LLC	15300251
200 HEMLOCK AVENUE	KRISHRELTIC LLC	41350200
274 BUCKLAND ROAD	1 MUNSON ROAD LLC	15300274
99 RIDGE ROAD	WOLF BEVERLY G	75600099
111 RIDGE ROAD	JACQUES MURIEL M TR	75600111
326 BUCKLAND ROAD	SCHIAVONE STEVEN & LUCIA KAWA	15300326
206 BUCKLAND ROAD	ROUNSEVILLE MARRION & ROY TRUSTEES	15300206
235 BUCKLAND ROAD	EVERGREEN WALK LLC	15300235
179 BUCKLAND ROAD	EVERGREEN WALK LLC	15300179
325 BUCKLAND ROAD	SOUTH WINDSOR TOWN OF	15300325
296 BUCKLAND ROAD	MESSIAH EVANGELICAL LUTHERAN CHURCH	15300296
300 BUCKLAND ROAD	MESSIAH EVANGELICAL LUTHERAN CHURCH	15300300
67 RIDGE ROAD	JACQUES ANN M	75600067
32 SELE DRIVE	MARGIOTT PAUL R & VICTORIA A M	81800032
45 SELE DRIVE	KOCHERLA MOHAN R &	81800045
48 SELE DRIVE	MIREK RONALD J & CAROLYN T	81800048
55 SELE DRIVE	ALKHAYER LEWA	81800055
58 SELE DRIVE	CAO DENNIS HAN & MICHELLE YEUNG	81800058
800 EVERGREEN WAY	EVERGREEN WALK LIFESTYLE CENTER LLC	31300800
100 EVERGREEN WAY	EVERGREEN WALK LIFESTYLE CENTER LLC	31300100
100 CEDAR AVENUE	REALTY INCOME PROPERTIES 21 LLC	17850100
2800 TAMARACK AVENUE	EVERGREEN MEDICAL ASSOCIATES LLC	89302800
35 TAMARACK AVENUE	BUCKLAND ROAD RETAIL LLC	89300035
EVERGREEN WAY	EVERGREEN WALK LIFESTYLE CENTER LLC	31300000
2400 TAMARACK AVENUE	EVERGREEN MEDICAL ASSOCIATES II LLC	89302400
EVERGREEN WALK	CURRENT RESIDENT	31300000
1000 LONGLEAF LANE	RHD SOUTH WINDSOR LLC	54651000
1200 LONGLEAF LANE	RHD SOUTH WINDSOR LLC	54651200
50 ANDREWS WAY	SOUTH WINDSOR DEVELOPERS LLC	3200050
R015 BUCKLAND ROAD	WOLF & GUERRA LLC	1530R015
900 HEMLOCK AVENUE	EVERGREEN CROSSING RETIREMENT COMMUNITY	41350900
150 BUCKLAND ROAD	KRAWSKI WILLIAM J ESTATE OF	15300150
130 BUCKLAND ROAD	KRAWSKI WILLIAM J ESTATE OF	15300130
125 BUCKLAND HILLS DRIVE	TARGET CORPORATION T1249	15400125
18 GILBERT LANE	VENKATESAN SATISH &	35300018
20 GILBERT LANE	NAYAK HIMADRI SEKHAR	35300020
28 GILBERT LANE	FERNANDES ANTONIO H & KAREN G	35300028
38 GILBERT LANE	CASSONE JOSEPH J III & LORI J	35300038
48 GILBERT LANE	CHEN QIAN	3300048
45 GILBERT LANE	JEZOUIT DONNA N	35300045
35 GILBERT LANE	SCALORA GIUSEPPE & ROSETTA V	35300035
25 GILBERT LANE	GUNTI RADESH &	35300025
61 GILBERT LANE	COELHO JAMES	35300061
72 GILBERT LANE	NAGENDRAPPA MASARUR S G &	35300072
64 GILBERT LANE	XING LEI &	35300064
56 GILBERT LANE	MCCABE JOHN C & BARBARA A	35300056
140 BUCKLAND ROAD	KRAWSKI WILLIAM J ESTATE OF	15300140
70 BUCKLAND ROAD	225 CPN LLC	15300070



KEY MAP
SCALE: 1"=200'

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

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21 FIRST DRIVE
P.O. BOX 1962
SOUTH WINDSOR, CT 06074
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PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.: 3530.M
DATE: 5/13/2020
DESIGNED BY: BPW
DRAWN BY: CHH
CHECKED BY: BPW

THE GATEWAY
SITE PLAN
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SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

REVISIONS

NO.	DATE	BY
1	5/22/2020	REVISED FOR PZC APPLICATION REM

KEY MAP

SHEET
C-T2
SHEET 2 OF 18

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BUCKLAND EAST, LLC
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

1 MUNSON ROAD LLC
BUCKLAND EAST, LLC
FARMINGTON, CT 06032

REFERENCES:
THIS PLAN REFERS TO THE FOLLOWING:
1. PLAN TITLED "SITE DEVELOPMENT PLANS FOR BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT" DATED 10/18/2018 AND 1/23/2020 PREPARED BY DESIGN PROFESSIONALS, INC.

DEMOLITION PLAN NOTES:
1. DEMOLITION PLAN IS A GENERAL REPRESENTATION OF ITEMS THAT NEED TO BE REMOVED IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PERFORM A THOROUGH SITE INVESTIGATION AND INCLUDE IN THEIR BID ANY WORK REQUIRED TO BE DEMOLISHED, EVEN IF NOT SHOWN ON THIS PLAN.
2. "CALL BEFORE YOU DIG" - CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION.
3. THIS PLAN SHALL BE USED FOR DEMOLITION PURPOSES ONLY. CONTRACTOR SHALL REVIEW ALL PLANS PRIOR TO BEGINNING EXCAVATION.
4. REFER TO NOTES, DETAILS, AND LEGEND SHEET C-D1 FOR CONSTRUCTION NOTES.
5. ALL DEMOLITION SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE UTILITY COMPANIES GUIDELINES AND REQUIREMENTS.

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C-DM1 SHEET 3 OF 18

DEMOLITION PLAN

SCALE: 1" = 40' (0, 20', 40', 80')

NO.	DATE	REVISIONS	BY
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220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

PROJECT NO:	3530.M
DATE:	5/13/2020
DESIGN BY:	BPW
DRAWN BY:	DHJ
CHECKED BY:	BPW

PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

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21 JEFFREY DRIVE
P.O. BOX 1167
SOUTH WINDSOR, CT 06074
860-291-8755 - T
860-291-8757 - F
www.designprofessionalsinc.com

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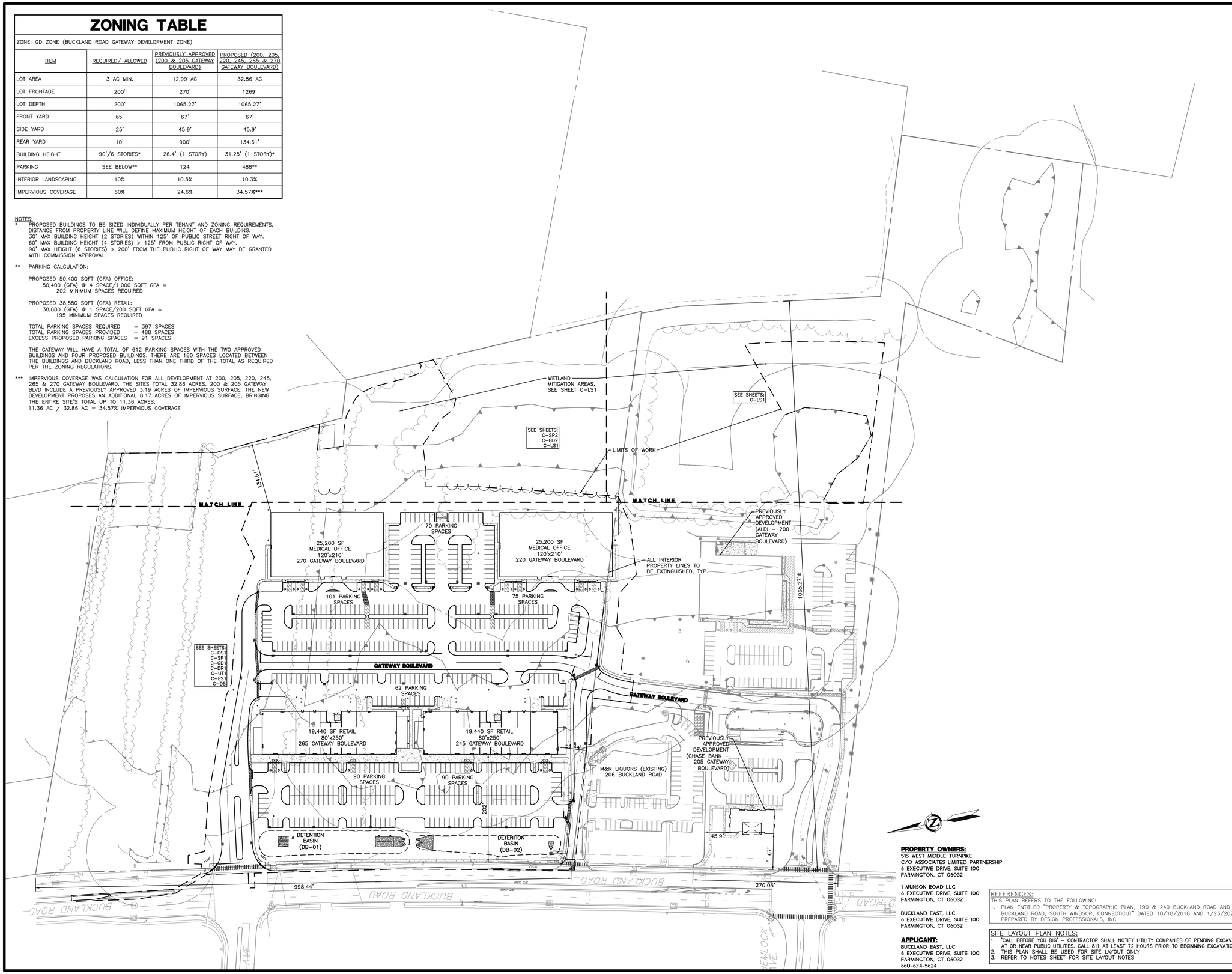

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

REFERENCES:
THIS PLAN REFERS TO THE FOLLOWING:
1. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC PLAN, 190 & 240 BUCKLAND ROAD AND 274 BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT" DATED 10/18/2018 AND 1/23/2020 PREPARED BY DESIGN PROFESSIONALS, INC.

SITE LAYOUT PLAN NOTES:
1. "CALL BEFORE YOU DIG" – CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. CALL 811 AT LEAST 72 HOURS PRIOR TO BEGINNING EXCAVATION.
2. THIS PLAN SHALL BE USED FOR SITE LAYOUT ONLY
3. REFER TO NOTES SHEET FOR SITE LAYOUT NOTES

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P.O. BOX 1100
SOUTH WINDSOR, CT 06074
860-291-8755 – T
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PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.: 3530.M
DATE: 5/13/2020
DRAWN BY: BPW
CHKD BY: DHI
APPD BY: BPW

THE GATEWAY
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#15300190, #15300218, #15300240 & #15300274

NO	DATE	REVISIONS	BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

OVERALL SITE PLAN

SCALE: 1" = 80'
0 40' 80' 160'

SHEET
C-OS1
SHEET 4 OF 18

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515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

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P.O. BOX 1945
SOUTH WINDSOR, CT 06074
860-291-8755 – T
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PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.	DATE	DRAWN BY:	CHK'D BY:
3530.M	5/13/2020	BPW	CHH

REVISIONS

NO.	DATE		BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

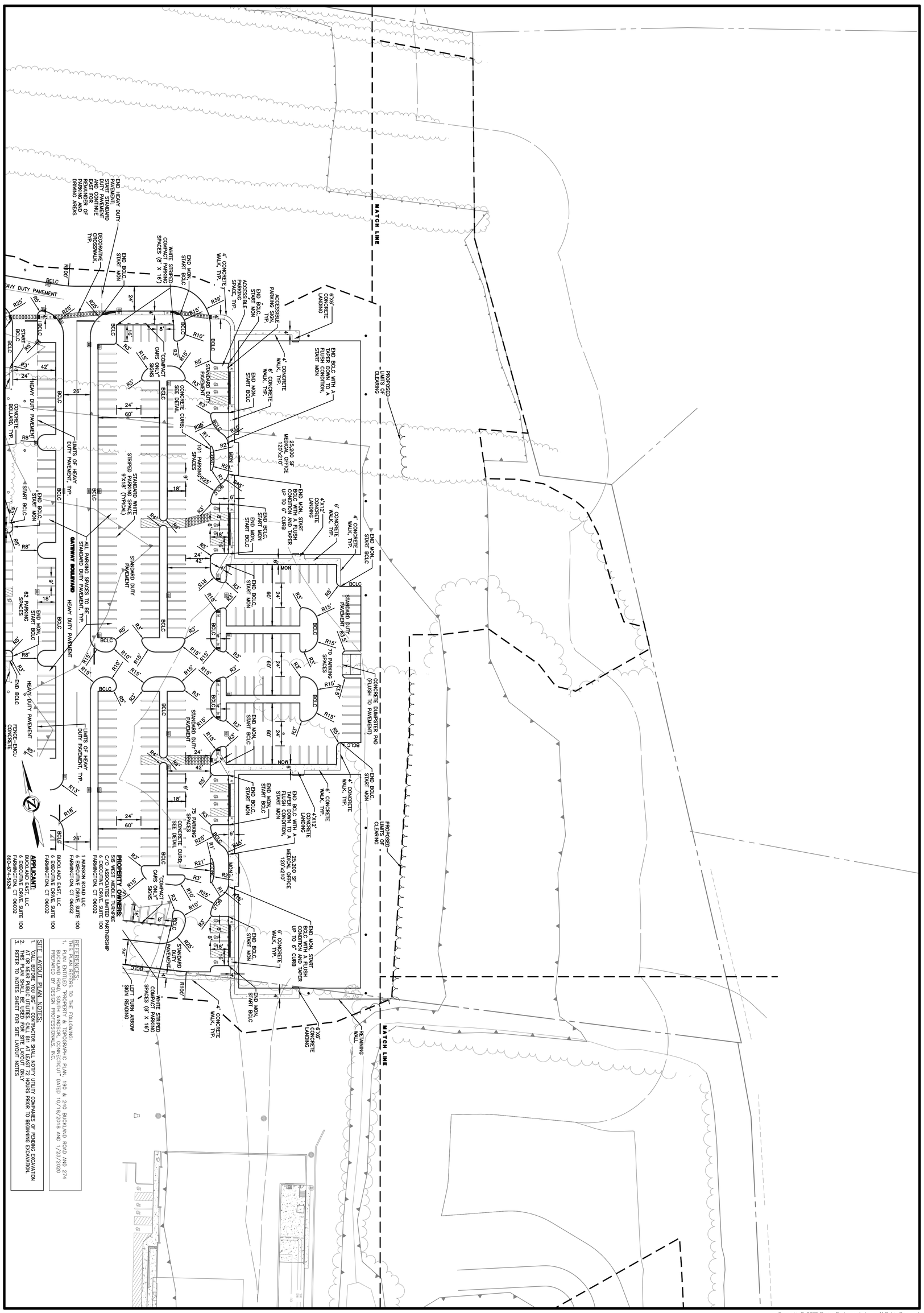
THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

SITE PLAN

SCALE: 1" = 40' (0, 20', 40', 80')

SHEET
C-SP1
SHEET 5 OF 18

File: C:\Jobs\3530\Autocad\North Building\3530 North-Site Pending Layout: C5 - C-SP1 Plotted: 5/22/2020 2:47 PM Last Saved: 5/22/2020 2:47 PM Last Saved By: benwheeler



APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

PROPERTY OWNERS:
265 GATEWAY BOULEVARD, LLC
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

REFERENCES:
THE FOLLOWING REFERS TO THE FOLLOWING:
1. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC PLAN, 190 & 240 BUCKLAND ROAD AND 274 BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT" DATED 10/18/2018 AND 1/23/2020 PREPARED BY DESIGN PROFESSIONALS, INC.

SITE LAYOUT PLAN NOTES:
1. CONTRACTOR SHALL VERIFY UTILITY, DRAINAGE, OR PIPING EVALUATION AT OR NEAR PUBLIC UTILITIES. CALL 811 AT LEAST 72 HOURS PRIOR TO BEGINNING EXCAVATION.
2. THIS PLAN SHALL BE USED FOR SITE LAYOUT ONLY.
3. REFER TO NOTES SHEET FOR SITE LAYOUT NOTES

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C-SP2
SHEET 6 OF 18
SHEET

SITE PLAN

SCALE: 1" = 40'
0 20' 40' 80'

NO.	DATE	REVISIONS	BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

PROJECT NO: 3530.M
DATE: 5/13/2020
DESIGN BY: BPW
DRAWN BY: DHJ
CHECKED BY: BPW

PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

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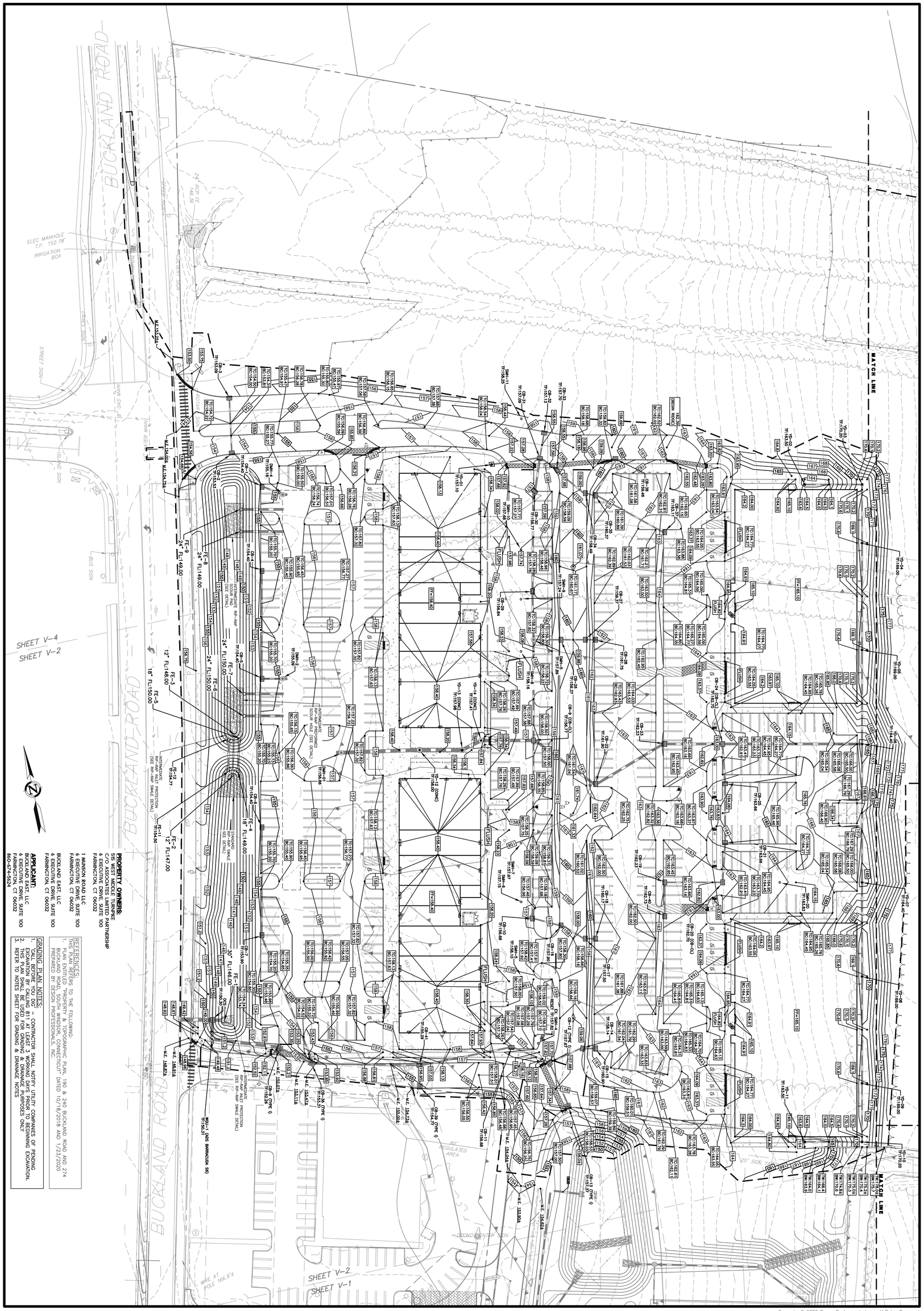
BUCKLAND ROAD
MATCH LINE
SHEET V-4
SHEET V-2
SHEET V-2
SHEET V-1
ELEC. MANHOLE T.F.: 152.78'
IRRIGATION BOX
STREET SIGN
BUS SIGN
WWR STA. 146+36
24" RCP SE
24" FL=149.00
24" FL=150.00
12" FL=146.00
18" FL=150.00
12" FL=147.00
18" FL=146.00
30" FL=146.00
INTERMEDIATE, SCOUR HOLE PROTECTION (SEE RIP-RAP SINGLE DETAIL)
INTERMEDIATE, SCOUR HOLE PROTECTION (SEE RIP-RAP SINGLE DETAIL)
INTERMEDIATE, SCOUR HOLE PROTECTION (SEE RIP-RAP SINGLE DETAIL)
RIP-RAP SINGLE (SEE DETAIL)
INTERMEDIATE, SCOUR HOLE PROTECTION (SEE RIP-RAP SINGL

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

PROPERTY OWNERS:
1 MUNSON ROAD LLC
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

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THE FOLLOWING REFERS TO THE FOLLOWING:
1. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC PLAN, 190 & 240 BUCKLAND ROAD AND 274 BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT" DATED 10/18/2018 AND 1/23/2020 PREPARED BY DESIGN PROFESSIONALS, INC.

GRADING PLAN NOTES:
1. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION BY CALLING 811 AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING EXCAVATION.
2. THIS PLAN SHALL BE USED FOR GRADING & DRAINAGE PURPOSES ONLY.
3. REFER TO NOTES SHEET FOR GRADING & DRAINAGE NOTES

GRADING PLAN

SHEET C-GD2
SHEET 8 OF 18

NO.	DATE	REVISIONS	BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

PROJECT NO:	3530.M
DATE:	5/13/2020
DESIGN BY:	BPW
DRAWN BY:	DHJ
CHECKED BY:	BPW

PREPARED FOR:
Buckland East, LLC
6 Executive Drive
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Farmington, CT 06032
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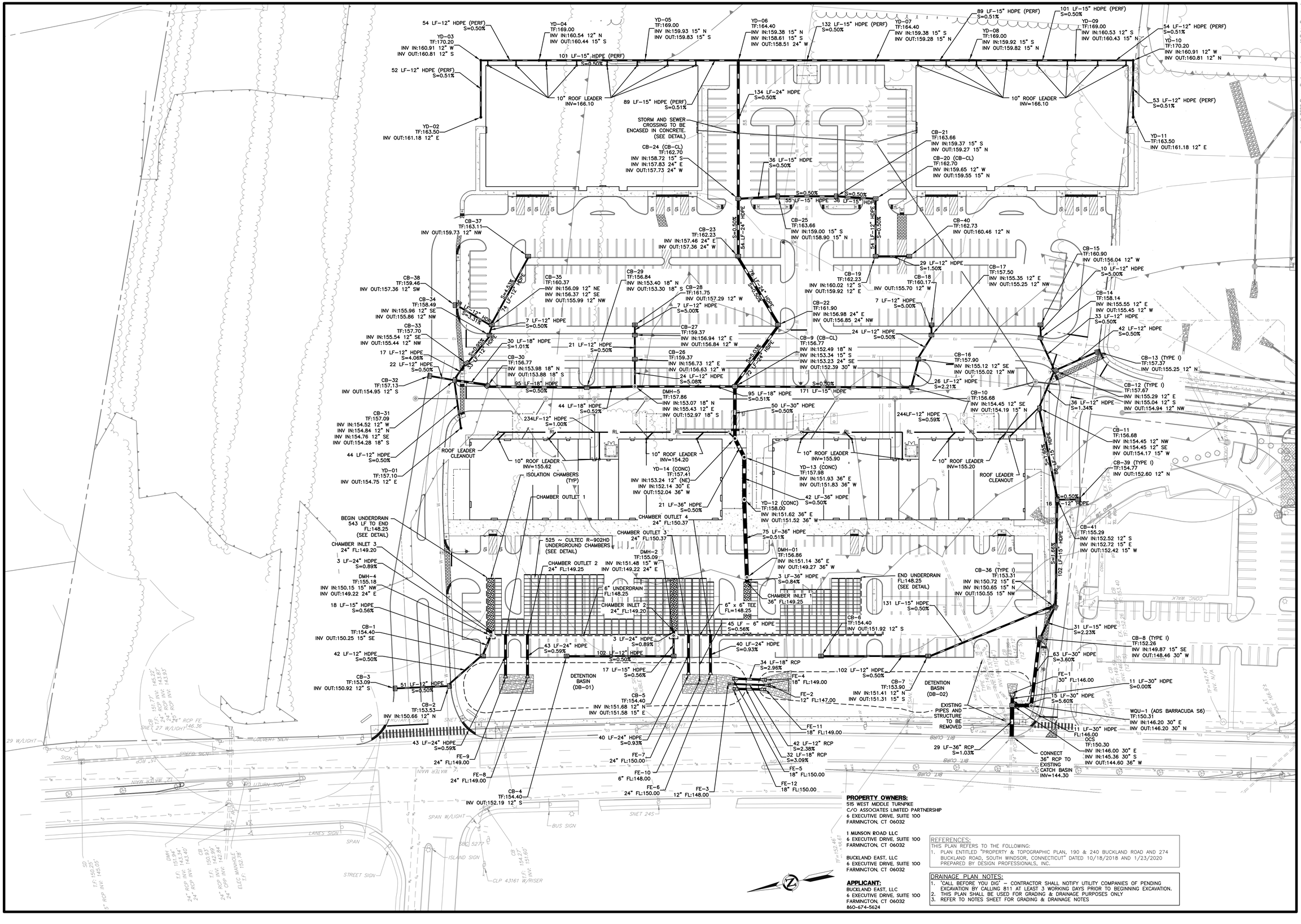
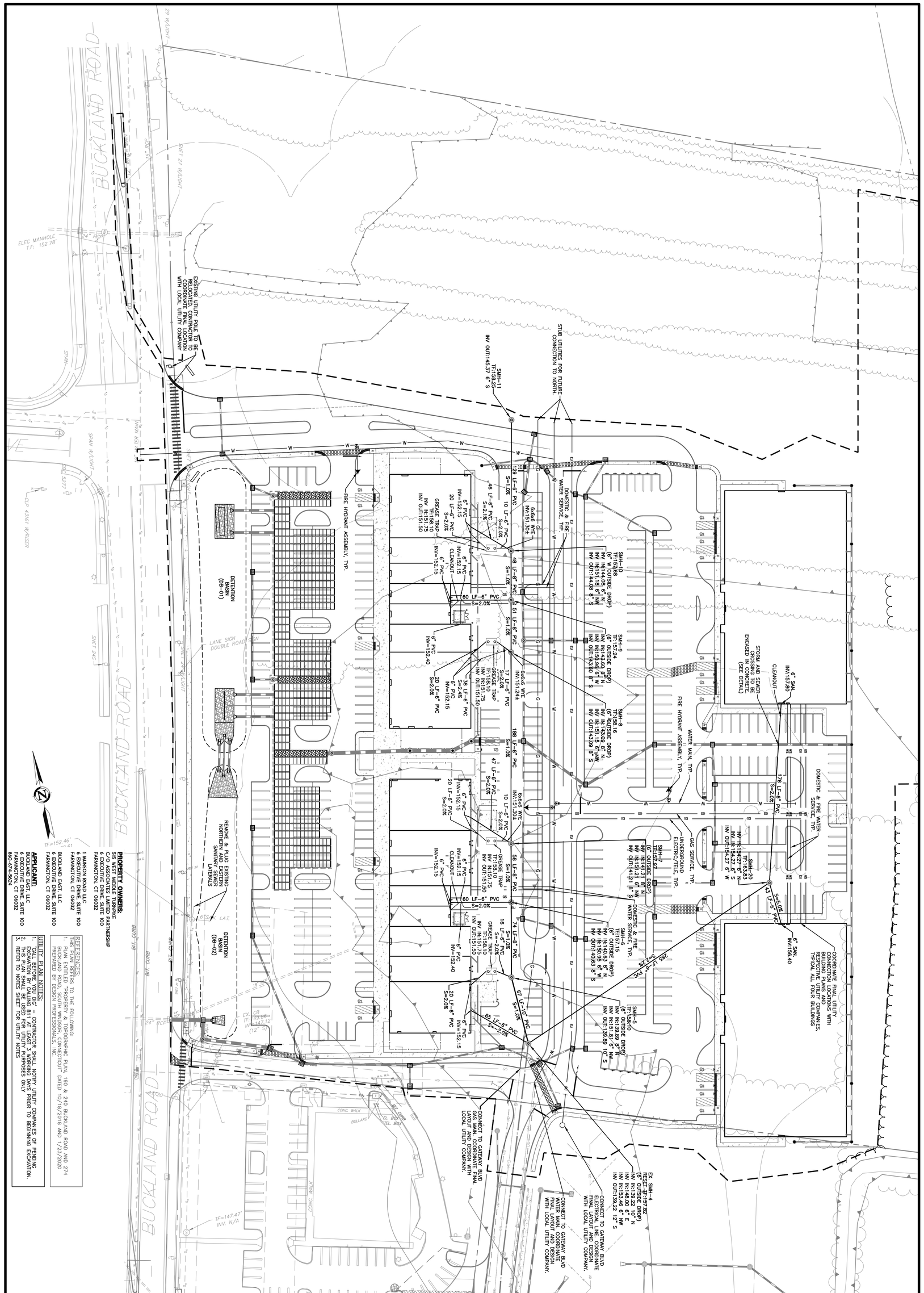

54 LF-12" HDPE (PERF) S=0.50%
YD-04 TF:169.00 INV IN:160.54 12" N INV OUT:160.44 15" S
YD-05 TF:169.00 INV IN:159.93 15" N INV OUT:159.83 15" S
YD-06 TF:164.40 INV IN:159.38 15" N INV IN:158.61 15" S INV OUT:158.51 24" W
YD-07 TF:164.40 INV IN:159.38 15" S INV OUT:159.28 15" N
YD-08 TF:169.00 INV IN:159.92 15" S INV OUT:159.82 15" N
YD-09 TF:169.00 INV IN:160.53 12" S INV OUT:160.43 15" N
YD-10 TF:170.20 INV IN:160.91 12" W INV OUT:160.81 12" N
YD-11 TF:163.50 INV OUT:161.18 12" E
YD-02 TF:163.50 INV OUT:161.18 12" E
YD-03 TF:170.20 INV IN:160.91 12" W INV OUT:160.81 12" S
YD-01 TF:157.10 INV OUT:154.75 12" E
101 LF-15" HDPE (PERF) S=0.50%
89 LF-15" HDPE (PERF) S=0.51%
132 LF-15" HDPE (PERF) S=0.50%
89 LF-15" HDPE (PERF) S=0.51%
101 LF-15" HDPE (PERF) S=0.50%
52 LF-12" HDPE (PERF) S=0.51%
53 LF-12" HDPE (PERF) S=0.51%
10" ROOF LEADER INV=166.10
10" ROOF LEADER INV=166.10
134 LF-24" HDPE S=0.50%
36 LF-15" HDPE S=0.50%
55 LF-15" HDPE
36 LF-15" HDPE
54 LF-24" HDPE S=0.50%
54 LF-12" HDPE S=0.50%
STORM AND SEWER CROSSING TO BE ENCASED IN CONCRETE. (SEE DETAIL)
CB-24 (CB-CL) TF:162.70 INV IN:158.72 15" S INV IN:157.83 24" E INV OUT:157.73 24" W
CB-21 TF:163.66 INV IN:159.37 15" S INV OUT:159.27 15" N
CB-20 (CB-CL) TF:162.70 INV IN:159.65 12" W INV OUT:159.55 15" N
CB-25 TF:163.66 INV IN:159.00 15" S INV OUT:158.90 15" N
CB-40 TF:162.73 INV OUT:160.46 12" N
CB-37 TF:163.11 INV OUT:159.73 12" NW
CB-23 TF:162.23 INV IN:157.46 24" E INV OUT:157.36 24" W
CB-38 TF:159.46 INV OUT:157.36 12" SW
CB-35 TF:160.37 INV IN:156.09 12" NE INV IN:156.37 12" SE INV OUT:155.99 12" NW
CB-29 TF:156.84 INV IN:153.40 18" N INV OUT:153.30 18" S
CB-28 TF:161.75 INV OUT:157.29 12" W
CB-34 TF:158.49 INV IN:155.96 12" SE INV OUT:155.86 12" NW
CB-33 TF:157.70 INV IN:155.54 12" SE INV OUT:155.44 12" NW
CB-27 TF:159.37 INV IN:156.94 12" E INV OUT:156.84 12" W
CB-26 TF:159.37 INV IN:156.73 12" E INV OUT:156.63 12" W
CB-30 TF:156.77 INV IN:153.98 18" N INV OUT:153.88 18" S
CB-32 TF:157.13 INV OUT:154.95 12" S
CB-31 TF:157.09 INV IN:154.52 12" W INV IN:154.84 12" N INV IN:154.76 12" SE INV OUT:154.28 18" S
CB-22 TF:161.90 INV IN:156.98 24" E INV OUT:156.85 24" NW
CB-9 (CB-CL) TF:156.77 INV IN:152.49 18" N INV IN:153.34 15" S INV IN:153.23 24" SE INV OUT:152.39 30" W
CB-19 TF:162.23 INV IN:160.02 12" S INV OUT:159.92 12" E
CB-18 TF:160.17 INV OUT:155.70 12" W
CB-17 TF:157.50 INV IN:155.35 12" E INV OUT:155.25 12" NW
CB-15 TF:160.90 INV OUT:156.04 12" W
CB-14 TF:158.14 INV IN:155.55 12" E INV OUT:155.45 12" W
CB-16 TF:157.90 INV IN:155.12 18" SE INV OUT:155.02 12" NW
CB-10 TF:156.68 INV IN:154.45 12" SE INV OUT:154.19 15" N
CB-13 (TYPE I) TF:157.37 INV OUT:155.25 12" N
CB-12 (TYPE I) TF:157.67 INV IN:155.29 12" E INV IN:155.04 12" S INV OUT:154.94 12" NW
CB-11 TF:156.68 INV IN:154.45 12" NW INV IN:154.45 12" SE INV OUT:154.17 15" W
CB-39 (TYPE I) TF:154.77 INV OUT:152.60 12" N
CB-41 TF:155.29 INV IN:152.52 12" S INV IN:152.72 15" E INV OUT:152.42 15" W
CB-36 (TYPE I) TF:153.31 INV IN:150.72 15" E INV IN:150.65 15" N INV OUT:150.55 15" NW
CB-8 (TYPE I) TF:152.26 INV IN:149.87 15" SE INV OUT:148.46 30" W
WQU-1 (ADS BARRACUDA S6) TF:150.31 INV IN:146.20 30" E INV OUT:146.20 30" N
CB-1 TF:154.40 INV OUT:150.25 15" SE
CB-3 TF:153.09 INV OUT:150.92 12" S
CB-2 TF:153.53 INV IN:150.66 12" N INV OUT:150.56 12" E
CB-4 TF:154.40 INV OUT:152.19 12" S
CB-5 TF:154.40 INV IN:151.68 12" N INV OUT:151.58 15" E
CB-6 TF:154.40 INV OUT:151.92 12" S
CB-7 TF:153.90 INV IN:151.41 12" N INV OUT:151.31 15" S
DMH-1 TF:157.86 INV IN:153.07 18" N INV IN:155.43 12" E INV OUT:152.97 18" S
DMH-2 TF:155.09 INV IN:151.48 15" W INV OUT:149.22 24" E
DMH-4 TF:155.18 INV IN:150.15 15" NW INV OUT:149.22 24" E
DMH-01 TF:156.86 INV IN:151.14 36" E INV OUT:149.27 36" W
YD-12 (CONC) TF:158.00 INV IN:151.62 36" E INV OUT:151.52 36" W
YD-13 (CONC) TF:157.98 INV IN:151.93 36" E INV OUT:151.83 36" W
YD-14 (CONC) TF:157.41 INV IN:153.24 12" (NE) INV IN:152.14 30" E INV OUT:152.04 36" W
DETENTION BASIN (DB-01)
DETENTION BASIN (DB-02)
EXISTING PIPES AND STRUCTURE TO BE REMOVED
ROOF LEADER CLEANOUT
ISOLATION CHAMBERS (TYP)
CHAMBER OUTLET 1
CHAMBER OUTLET 2 24" FL:149.25
CHAMBER OUTLET 3 24" FL:150.37
CHAMBER OUTLET 4 24" FL:150.37
525 ~ CULTEC R-902HD UNDERGROUND CHAMBERS (SEE DETAIL)
BEGIN UNDERDRAIN 543 LF TO END FL:148.25 (SEE DETAIL)
END UNDERDRAIN FL:148.25 (SEE DETAIL)
6" UNDERDRAIN FL:148.25
CHAMBER INLET 1 36" FL:149.25
CHAMBER INLET 2 24" FL:149.20
CHAMBER INLET 3 24" FL:149.20
6" x 6" TEE FL=148.25
CONNECT 36" RCP TO EXISTING CATCH BASIN INV=144.30
FE-1 30" FL:146.00
FE-2 12" FL:147.00
FE-3 12" FL:148.00
FE-4 18" FL:149.00
FE-5 18" FL:150.00
FE-6 24" FL:150.00
FE-7 24" FL:150.00
FE-8 24" FL:149.00
FE-9 24" FL:149.00
FE-10 6" FL:148.00
FE-11 18" FL:149.00
FE-12 18" FL:150.00
11 LF-30" HDPE FL:146.00 OCS TF:150.30 INV IN:146.00 30" E INV IN:145.36 30" S INV OUT:144.60 36" W
11 LF-30" HDPE S=0.00%
15 LF-30" HDPE S=5.60%
63 LF-30" HDPE S=3.60%
31 LF-15" HDPE S=2.23%
102 LF-15" HDPE S=1.66%
131 LF-15" HDPE S=0.50%
45 LF - 6" HDPE S=0.56%
75 LF-36" HDPE S=0.51%
3 LF-36" HDPE S=0.84%
42 LF-36" HDPE S=0.50%
21 LF-36" HDPE S=0.50%
3 LF-24" HDPE S=0.89%
40 LF-24" HDPE S=0.93%
42 LF-12" HDPE S=0.50%
102 LF-12" HDPE S=0.50%
43 LF-24" HDPE S=0.59%
34 LF-18" RCP S=2.96%
102 LF-12" HDPE S=0.50%
42 LF-12" RCP S=2.38%
32 LF-18" RCP S=3.09%
29 LF-36" RCP S=1.03%
18 LF-12" HDPE S=0.50%
36 LF-12" HDPE S=1.34%
26 LF-12" HDPE S=2.21%
244LF-12" HDPE S=0.59%
24 LF-12" HDPE S=0.50%
29 LF-12" HDPE S=1.50%
7 LF-12" HDPE S=5.00%
10 LF-12" HDPE S=5.00%
33 LF-12" HDPE S=0.50%
42 LF-12" HDPE S=0.50%
7 LF-12" HDPE S=0.50%
7 LF-12" HDPE S=5.00%
30 LF-18" HDPE S=1.01%
21 LF-12" HDPE S=0.50%
17 LF-12" HDPE S=4.06%
22 LF-12" HDPE S=0.50%
95 LF-18" HDPE S=0.50%
24 LF-12" HDPE S=5.08%
95 LF-18" HDPE S=0.51%
171 LF-15" HDPE
50 LF-30" HDPE S=0.50%
44 LF-18" HDPE S=0.52%
234LF-12" HDPE S=1.00%
44 LF-12" HDPE S=0.50%
43 LF-24" HDPE S=0.59%
40 LF-24" HDPE S=0.93%
17 LF-15" HDPE S=0.56%
51 LF-12" HDPE S=0.50%
74 LF-12" HDPE S=4.53%
74 LF-24" HDPE S=0.50%
74 LF-24" HDPE S=0.50%
74 LF-24" HDPE S=0.50



PROPERTY OWNERS:
SOUTH WINDSOR REAL ESTATE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

REFERENCES:
1. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC PLAN, 190 & 240 BUCKLAND ROAD AND 274 BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT" DATED 10/18/2018 AND 1/23/2020 PREPARED BY DESIGN PROFESSIONALS, INC.

UTILITY PLAN NOTES:
1. EXCAVATOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 811 OR 1-800-922-4455 AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING EXCAVATION.
2. THIS PLAN SHALL BE USED FOR UTILITY PURPOSES ONLY.
3. REFER TO NOTES SHEET FOR UTILITY NOTES

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C-UT1 SHEET 10 OF 18

SHEET: **UTILITIES PLAN**

SCALE: 1" = 40' (0, 20', 40', 80')

NO.	DATE	REVISIONS	BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

THE GATEWAY
SITE PLAN

220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

PROJECT NO: 3530.M
DATE: 5/13/2020
DESIGN BY: BPW
DRAWN BY: DHJ
CHECKED BY: BPW

PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

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P.O. BOX 1167
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www.designprofessionalsinc.com

TEMPORARY SEDIMENTATION BASIN DESIGN PARAMETERS

$$V = \frac{(DA)(A)(DR)(TE)(2{,}000 lbs./ton)}{(\gamma)(43{,}560 sq.ft./ac)}$$

where:

V = the volume of sediment trapped in ac. ft./yr.
DA = the total drainage area in acres
A = the average annual erosion in tons per acre per year using either values from the Universal Soil Loss Equation, the Revised Universal Soil Loss Equation or the values in **Figure SB-1** for the listed land use.
DR = the delivery ratio determined from **Figure SB-12**.
TE = the trap efficiency as given above. (Use 0.8)
γ = the estimated sediment density in the sediment basin in lbs/cu. ft. (from **Figure SB-2**).

TEMPORARY SEDIMENTATION BASIN 1

AVERAGE ANNUAL EROSION SOURCES			
COVER	**AREA (DA) [ACRES]**	**EROSION RATE (A) [Ton/Acre/Yr]**	**DA * A [Ton/Yr]**
Woodlands	0	0.2	0
Urban	0	1	0
Construction	8.20	50	410
TOTAL	**78.20**		**410**

SEDIMENT VOLUME (V)		
DA	0.013 Sq. Mi	
DR	0.83%	(SB-12)
TE	0.8%	(80% TSS removal)
γ	85 Lbs /CuFt	(SB-2: Sandy Soil)
V	**0.147 Ac. Ft Sediment Storage**	
Vw	0.294 **Ac. Ft Wet Storage**(*2 x Sediment Storage Min.)	
Vt	0.441 **Ac. Ft Storage**	
	19216.94 CuFt	

TEMPORARY SEDIMENTATION BASIN 2

AVERAGE ANNUAL EROSION SOURCES			
COVER	**AREA (DA) [ACRES]**	**EROSION RATE (A) [Ton/Acre/Yr]**	**DA * A [Ton/Yr]**
Woodlands	0	0.2	0
Urban	0	1	0
Construction	1.98	50	99
TOTAL	**1.98**		**99**

SEDIMENT VOLUME (V)		
DA	0.003 Sq. Mi	
DR	0.83%	(SB-12)
TE	0.8%	(80% TSS removal)
γ	85 Lbs /CuFt	(SB-2: Sandy Soil)
V	**0.036 Ac. Ft Sediment Storage**	
Vw	0.071 **Ac. Ft Wet Storage**(*2 x Sediment Storage Min.)	
Vt	0.107 **Ac. Ft Storage**	
	4640.19 CuFt	

TEMPORARY SEDIMENTATION BASIN INSTALLATION NOTES:

1. REFER TO 2002 CT GUIDELINES FOR SOIL AND SEDIMENT CONTROL FOR ADDITIONAL DETAIL AND REQUIREMENTS.
2. AREAS UNDER THE EMBANKMENT AND ANY STRUCTURAL WORKS RELATED TO THE BASIN SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, OR OTHER UNSUITABLE MATERIAL. IN ORDER TO FACILITATE CLEANOUT AND RESTORATION, THE AREA OF MOST FREQUENT INUNDATION (MEASURED FROM THE TOP OF THE PRINCIPAL SPILLWAY) WILL BE CLEARED OF ALL BRUSH AND TREES.
3. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FROM APPROVED BORROW AREAS. IT SHALL BE CLEAN MINERAL SOIL, FREE OF ROOTS, WOODY VEGETATION, STUMPS, SOD, OVERSIZED STONES, ROCKS, MAN MADE MATERIALS, OR OTHER PERISHABLE OR UNSUITABLE MATERIAL.
4. AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED PRIOR TO PLACEMENT OF FILL. THE FILL MATERIAL SHALL CONTAIN THE PROPER AMOUNT OF MOISTURE TO ENSURE THAT AT LEAST 90% – 95% STANDARD PROCTOR COMPACTION WILL BE ACHIEVED. FILL MATERIAL WILL BE PLACED IN 9–INCH CONTINUOUS LAYERS OVER THE ENTIRE LENGTH OF THE FILL. COMPACTION SHALL BE OBTAINED BY ROUTING THE HAULING EQUIPMENT OVER THE FILL SO THAT THE ENTIRE SURFACE OF THE FILL IS TRAVERSED BY AT LEAST ONE WHEEL OR TREAD TRACK OF THE EQUIPMENT, OR BY USING A COMPACTOR.

CONTRACTOR TO INSTALL TEMPORARY DIVERSION SWALES AS NECESSARY TO DIRECT RUNOFF TOWARD TEMPORARY SILTATION TRAP DURING CONSTRUCTION. CONTRACTOR TO ADJUST AND RELOCATE AS NECESSARY TO ACCOMMODATE SITE ACTIVITIES AND PROJECT PHASING (TYP)

PROPOSED SILT FENCE (TYP)

PROPOSED TEMPORARY INLET PROTECTION. REFER TO DETAILS ON EROSION & SEDIMENTATION NOTES & DETAILS SHEET. (TYP)

TEMPORARY STOCKPILE AREA SURROUNDED BY SILT FENCE. CONTRACTOR SHALL ADJUST AND RELOCATE LOCATION AS NECESSARY TO ACCOMMODATE SITE ACTIVITIES AND PROJECT PHASING.

CONTRACTOR TO INSTALL TEMPORARY DIVERSION SWALES AS NECESSARY TO DIRECT RUNOFF TOWARD TEMPORARY SILTATION TRAP DURING CONSTRUCTION. CONTRACTOR TO ADJUST AND RELOCATE AS NECESSARY TO ACCOMMODATE SITE ACTIVITIES AND PROJECT PHASING (TYP)

STONE CHECK DAMS INSTALLED EVERY 100' ALONG TEMPORARY DIVERSION SWALE (TYP)

PROPOSED SILT FENCE (TYP)

TEMPORARY SEDIMENTATION BASIN #2 BOTTOM ELEV=152.00

TEMPORARY SEDIMENTATION BASIN #1 BOTTOM ELEV=150.00

PROPOSED CONSTRUCTION ACCESS. ALL CONSTRUCTION VEHICLES/TRAFFIC SHALL EXIT OVER THE CONSTRUCTION EXIT TRACKING PAD.

UPON STABILIZATION OF UPGRADIENT CONTRIBUTING AREAS, ALL ACCUMULATED SEDIMENT SHALL BE REMOVED AND PERMANENT STABILIZATION SHALL BE PLACED.

WOOD CHIP FILLED GABION BASKETS (TYP)

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

REFER TO TEMPORARY SEDIMENT TRAP (TST) DETAIL AND FIGURE TST–1, SEE SHEET C–ES2. TST SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SHAPE, VOLUMES, AND DEPTHS CAN VARY IN ACCORDANCE WITH SAID DETAILS. CONTRACTOR SHALL PROVIDE IN APPROPRIATE LOCATIONS TO ACCOMMODATE CURRENT SITE ACTIVITIES AND PHASING. IN NO CASE SHALL THE AREA DRAINING TO A TST EXCEED 5 ACRES. SHOULD AREAS BEING DIRECTED TO A TST DIFFER FROM THAT NOTED, CONTRACTOR SHALL ENSURE THAT AT LEAST 134 CY PER ACRE OF STORAGE VOLUME IS PROVIDED PER TST DETAIL AND FIGURE TST–1.

REFERENCES:
THIS PLAN REFERS TO THE FOLLOWING:
1. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC PLAN, 190 & 240 BUCKLAND ROAD AND 274 BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT" DATED 10/18/2018 AND 1/23/2020 PREPARED BY DESIGN PROFESSIONALS, INC.

EROSION & SEDIMENTATION CONTROL PLAN NOTES:
1. 'CALL BEFORE YOU DIG' – CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION BY CALLING 811 AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING EXCAVATION.
2. THIS PLAN SHALL BE USED FOR EROSION & SEDIMENTATION CONTROL PURPOSES ONLY.
3. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL PLANS.
4. REFER TO EROSION & SEDIMENTATION CONTROL NOTES & DETAILS SHEET FOR EROSION & SEDIMENTATION CONTROL NOTES.

design professionals
CIVIL & TRAFFIC ENGINEERS / LAND SURVEYORS
PLANNERS / LANDSCAPE ARCHITECTS
21 FITCH DRIVE
SUITE 202
SOUTH WINDSOR, CT 06074
860-291-8755 – T
860-291-8757 – F
www.designprofessionals.com

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PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.: 3530.M
DATE: 5/13/2020
DESIGN BY: BPW
DRAWN BY: DHI
CHECKED BY: BPW

THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, & #15300274

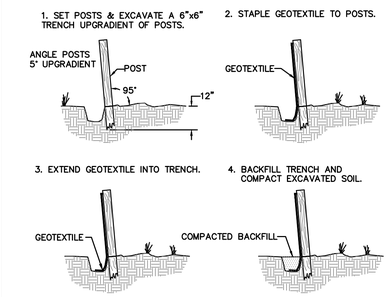
NO.	DATE	REVISIONS	BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

EROSION & SEDIMENTATION CONTROL PLAN

SCALE: 1" = 40'
0 20' 40' 80'

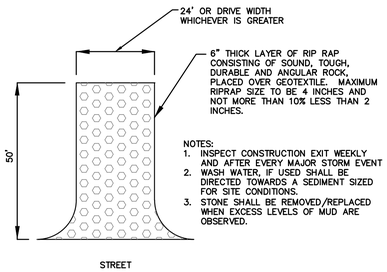
SHEET
C-ES1
SHEET 11 OF 18

File: C:\Jobs\3530\Autocad\North Buildings\3530 North–E–S Pending Layout: 11 C–ES1 Plotted: 5/22/2020 1:14 PM Last Saved: 5/22/2020 11:28 AM Last Saved By: RachelMeier



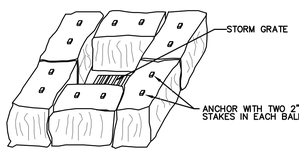
SILT FENCE

N.T.S.



CONSTRUCTION ACCESS

N.T.S.



STRAW BALE INSTALLATION AT CATCH BASINS

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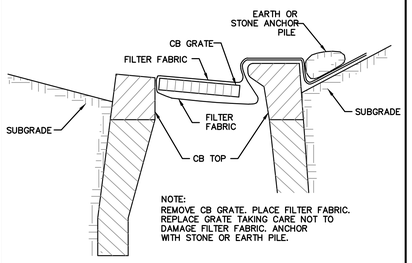

CATCH BASIN GRATE SEDIMENTATION CONTROL

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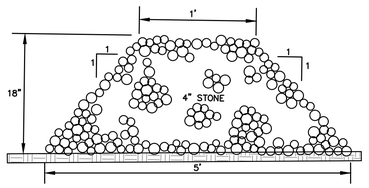

STONE CHECK DAM

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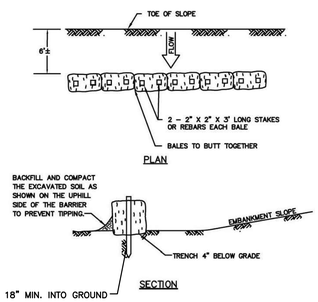

STRAW BALES FOR EROSION CONTROL

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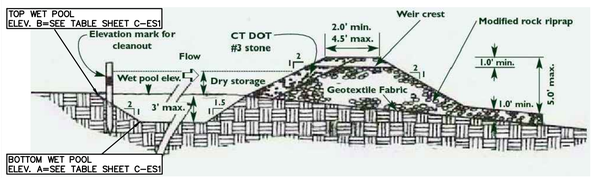


REFER TO 2002 CT GUIDELINES FOR SOIL AND SEDIMENT CONTROL FOR ADDITIONAL DETAIL AND REQUIREMENTS.

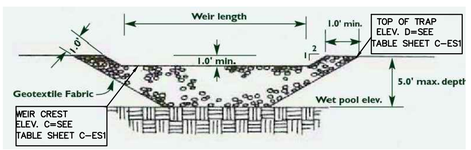


Figure TST-1 Formula for Figuring Temporary Sediment Trap Storage Requirements

Wet storage volume may be approximated as follows:

$$Vw = 0.85 \times A_W \times D_W$$

where,

V_W = the wet storage volume in cubic feet
A_W = the surface area of the flooded area at the base of the stone outlet in square feet
D_W = the maximum depth in feet, measured from the low point in the trap to the base of the stone outlet.

Dry storage volume may be approximated as follows:

$$V_d = \frac{(A_W + A_d)}{2} \times D_d$$

where,

V_d = the dry storage volume
A_W = the surface area of the flooded area at the base of the stone outlet in square feet.
A_d = the surface area of the flooded area at the top of the stone outlet (over flow mechanism), in square feet
D_d = the depth in feet, measured from the base of the stone outlet to the top of the stone outlet

Note: Conversion between cubic feet and cubic yards is: cubic feet x 0.037 = cubic yards.

NOTE:

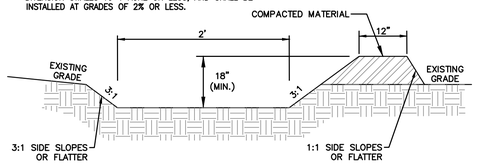
1. VOLUME OF TST SHALL BE A MINIMUM OF 134 CUBIC YARDS PER ACRE DRAINING TO IT. HALF OF THE REQUIRED VOLUME SHALL BE FOR WET STORAGE WHILE THE OTHER HALF SHALL BE FOR DRY STORAGE. REFER TO GENERAL SIZING CALCULATIONS FOR TST BELOW.

TEMPORARY SEDIMENT TRAP

N.T.S.

NOTES:

1) CONTRACTOR SHALL LIMIT CONTRIBUTING AREA TO DIVERSION SWALES TO 1 ACRE OR LESS, AND SHALL BE INSTALLED AT GRADES OF 2% OR LESS.



TEMPORARY DIVERSION SWALE

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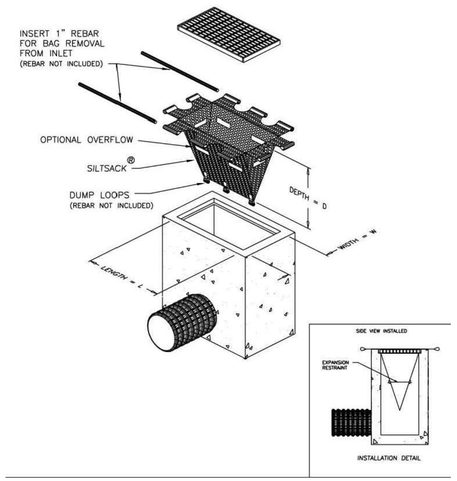


CURB-LESS INLET PROTECTION DETAIL

N.T.S.

CONSTRUCTION SEQUENCE:

1. INSTALL CONSTRUCTION EXIT AT DRIVEWAYS OR OTHER LOCATIONS AS SHOWN ON PLANS. MAINTAIN THE CONSTRUCTION ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENT ONTO ABUTTING PAVED SURFACES. ADD STONE OR INCREASE THE LENGTH AS CONDITIONS DEMAND.
2. STAKE-OUT THE LIMITS OF CLEARING AND GRUBBING. INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES AT LIMITS OF CLEARING AND GRUBBING. CONTRACTOR TO CONDUCT ALL CONSTRUCTION ACTIVITIES WITHIN LIMITS SHOWN ON PLAN.
3. CONSTRUCT TEMPORARY SETTLING OR SILTATION BASINS, SEDIMENT TRAPS AND OTHER BEST MANAGEMENT PRACTICES AS SHOWN ON THE PLANS,
4. REMOVE TOPSOIL FROM AREAS OF DISTURBANCE AND STOCKPILE. POSSIBLE STOCKPILE LOCATIONS ARE SHOWN ON THE SITE PLANS. HOWEVER, LOCATIONS SHALL BE DETERMINED BY CONTRACTOR WITH APPROVAL BY THE ENGINEER & LOCAL AUTHORITY HAVING JURISDICTION. RING SOIL STOCKPILES WITH A ROW OF SILT FENCE.
5. ESTABLISH VEGETATION ON ALL DISTURBED SOIL THAT WILL REMAIN EXPOSED FOR LONGER THAN 30 DAYS. SEED WITHIN 7 DAYS AFTER THE SUSPENSION OF GRADING WORK WITH A TEMPORARY SEED MIXTURE PER SECTION 5-3 "VEGETATIVE SOIL COVER" OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL."
6. CREATE TEMPORARY DIVERSION SWALES AS REQUIRED.
7. ANY DEWATERING ACTIVITIES SHALL BE PUMPED TO TEMPORARY SILTATION BASINS AT THE TOP OF THE SLOPE. PUMPED DISCHARGE MUST UTILIZE SILT-SAC OR APPROVED EQUAL. MONITOR TO ENSURE DISCHARGE FROM BASIN IS NOT CAUSING EROSION DOWNSTREAM.
8. INSTALL STORM DRAINAGE SYSTEM. PROTECT CATCHBASINS AND CULVERT INLETS/OUTLETS WITH HAYBALES AND FILTER FABRIC AS SHOWN IN THE DETAILS.
9. INSTALL PAVEMENT, SIDEWALKS, CURBING, TOPSOIL, GRASS SEED, AND MULCH.
10. MINOR ADJUSTMENTS TO THE EXCAVATION LIMITS MAY BE WARRANTED WITH APPROVAL OF LOCAL AUTHORITY HAVING JURISDICTION TO ALLOW FOR PRESERVATION OF EXISTING VEGETATION.
11. ALL EROSION CONTROL DEVICES SHALL REMAIN FUNCTIONAL AND IN PLACE THROUGHOUT THE CONSTRUCTION EFFORT UNTIL THE SITE IS FULLY STABILIZED WITH VEGETATION.

STORM DRAINAGE SYSTEM MAINTENANCE AND OPERATION:

THE FOLLOWING MAINTENANCE SHALL BE REQUIRED TO ENSURE EFFICIENT OPERATION OF THE STORM DRAINAGE SYSTEM, DETENTION BASIN, AND/OR UNDERGROUND BASINS. THE MAINTENANCE SCHEDULE IS INTENDED TO BE A GUIDE. AN INSPECTION OF ALL STORM DRAINAGE COMPONENTS IS REQUIRED FOLLOWING LARGE STORM EVENTS (0.5 INCHES OR GREATER) THAT COULD CAUSE THE DEPOSITION OF EXCESS DEBRIS.

PIPE OUTLET LOCATIONS: PIPE OUTLETS SHALL BE INSPECTED ANNUALLY AND CLEANED OF SILT AND/OR DEBRIS. RIPRAP SHALL BE RE-SHAPED AND REPLENISHED AS REQUIRED.

CATCHBASINS: SHALL BE INSPECTED ANNUALLY AND SUMPS CLEANED WHEN DEPTH OF MATERIAL REACHES TWELVE INCHES.

PAVEMENT SWEEPING: PAVEMENT AREAS SHALL BE SWEPT AT LEAST TWICE PER YEAR. ONCE IN THE SPRING SHORTLY AFTER THE END OF THE SNOW SEASON, AND IN THE FALL AFTER THE LEAVES HAVE FALLEN. DURING CONSTRUCTION KEEP PAVEMENT FREE OF SEDIMENTS TO REDUCE THE TRANSFER OF SEDIMENTS OFFSITE.

INFILTRATION BASINS, WATER QUALITY BASINS, DETENTION BASINS, AND SEDIMENT FOREBAYS: SHALL BE INSPECTED BIANNUALLY. ALL LARGE WOODY NON LANDSCAPE GROWTH THAT MAY AFFECT THE FLOW OF WATER OR THE STABILITY OF THE BASIN SHALL BE REMOVED. RIPRAP SHALL BE RE-ARRANGED AND ADDED TO AS REQUIRED. ANY EROSION OR OTHER PROBLEMS THAT MAY AFFECT THE PROPER OPERATION OF THE BASIN SHALL BE REPAIRED PROMPTLY. ACCUMULATED SEDIMENT SHALL BE REMOVED.

FILTRATION BASIN: SHALL BE INSPECTED TWICE PER YEAR, ALL WOODY, NON LANDSCAPE GROWTH SHALL BE REMOVED. ANY NOTED EROSION/RILLS NOTED WITHIN THE BASIN AND/OR ITS OUTFALL SHALL BE REPAIRED TO PROVIDE STABILIZED SURFACES. ANY EROSION OR OTHER NOTED DEFICIENCIES THAT WOULD AFFECT THE OPERATION OF THE BASIN OR CAUSE RESOURCE AREA IMPACTS SHALL BE REMEDIED IMMEDIATELY. THE TOP LAYER OF MULCH SHALL BE REMOVED AND REPLACED AS NEEDED TO PREVENT ANY UNNECESSARY EROSION/SEDIMENT DISCHARGE FROM THE BASIN. THE BASIN SHALL BE MONITORED TO ASSURE PROPERTY DEWATERING/EMPTYING OF STORMWATER. BASIN SHALL COMPLETELY DEWATER/EMPTY WITH 72 HOURS AFTER A STORM EVENT. IF STANDING WATER IS OBSERVED AFTER THIS 72 HOUR PERIOD, THE ENGINEERED SOIL MEDIA SHALL BE REMOVED TO THE UPPER LAYER OF THE FILTER FABRIC/SUB-DRAIN, AND REPLACED.

EROSION & SEDIMENTATION CONTROL MAINTENANCE AND INSPECTION PROGRAM (WEEKLY CONSTRUCTION REPORTS):

PER RECOMMENDATIONS MADE IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL PLAN, THE CONTRACTOR SHALL MAINTAIN WEEKLY REPORTS ON THE CONDITION OF ALL EROSION CONTROL MEASURES AND MAKE THEM AVAILABLE UPON REQUEST OF OWNER, LOCAL AUTHORITY HAVING JURISDICTION, OR ENGINEER. IN THE EVENT OF A MAJOR RAINSTORM, (0.5 INCHES OR GRATER) REPORTS SHALL BE PREPARED WITHIN 24 HOURS OF SAID EVENT.

EROSION & SEDIMENTATION CONTROL NARRATIVE

1. PRIOR TO THE START OF CONSTRUCTION, ALL EROSION CONTROL DEVICES SHALL BE INSTALLED IN CONFORMANCE WITH THESE PLANS.
2. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHOWN ON THESE PLANS. THIS RESPONSIBILITY INCLUDES IMPLEMENTATION AS WELL AS MAINTENANCE. ANY PROPOSED CHANGES TO THIS PLAN MUST BE APPROVED BY THE ENGINEER AND/OR THE LOCAL AUTHORITY HAVING JURISDICTION.
3. CONSTRUCTION ACCESS SHALL BE INSPECTED REGULARLY TO ENSURE PROPER OPERATION. STONE SHALL BE ADDED OR REPLACED AS REQUIRED.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADJACENT ROADWAYS, (BOTH PUBLIC & COMPLETED PORTIONS OF THE PROJECT) FREE FROM ACCUMULATED DUST AND DIRT. STREETS SHALL BE SWEPT CLEAN AT ALL TIMES.
5. AREAS WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR WHEN FINAL GRADES ARE REACHED IN ANY PORTION OF THE SITE, SHALL BE STABILIZATION WITH FINAL VEGETATION WITHIN 7 DAYS. AREAS TO BE LEFT BARE FOR MORE THAN 30 DAYS SHALL BE TREATED WITH AIR DRIED WOOD CHIP MULCH (6 CYDS / 1000 S.F.) OR SEEDED WITH PERENNIAL RYE-GRASS UNTIL FINAL GRADING AND STABILIZATION TAKES PLACE. WINTER STABILIZATION SHALL INCLUDE MULCH/STRAW OR HAY APPLIED AT THE SAME RATE WITH A TACKIFIER PER RECOMMENDATIONS MADE IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
6. ALL DISTURBED SLOPES EXCEEDING A 3:1 SLOPE SHALL IMMEDIATELY RECEIVE MULCH AND TEMPORARY SEEDING IN ACCORDANCE WITH THE FOLLOWING APPLICATION RATES:

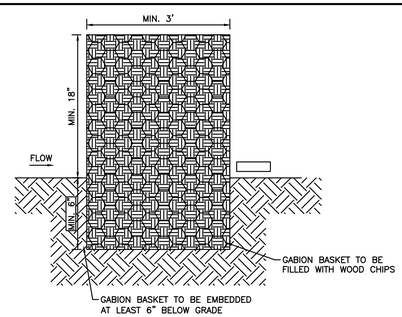
MULCH:	RATE:
STRAW	90# / 1000 S.F.
TEMPORARY SEEDING:	RATE:
PERENNIAL RYEGRASS	1.0# / 1000 S.F.

7. CONTRACTOR SHALL CLEAN CATCHBASIN SUMPS, DIVERSION SWALES, & TEMPORARY SETTLING SUMPS AS REQUIRED DURING CONSTRUCTION.
8. DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL MANAGE STORMWATER RUNOFF SO THAT NO DIRECT DISCHARGE OF RUNOFF THAT CONTAINS SUSPENDED PARTICLES, FLOWS INTO RECEIVING WATERS. RUNOFF SHALL BE DIRECTED INTO TEMPORARY SEDIMENT SUMPS AND TREATED.
9. AT NO TIME DURING THE CONSTRUCTION EFFORT SHALL THERE BE ANY OPEN AND DISTURBED AREA GREATER THAN 5 ACRES WITHOUT SILT FENCE PERIMETER OF SET AREA.
10. AFTER ALL SITE WORK IS COMPLETED, INCLUDING THE SPREADING OF TOPSOIL AND SEEDING, THE CONTRACTOR SHALL CLEAN ANY SILT OR DEBRIS FROM ALL STORM DRAINAGE STRUCTURES AND CULVERTS.
11. AT ALL TIMES DURING THE CONSTRUCTION EFFORT, THE CONTRACTOR SHALL HAVE AVAILABLE THE APPROPRIATE EQUIPMENT FOR WATER APPLICATION FOR THE PURPOSES OF ALLAYING DUST. APPLY WATER, SUITABLE MATERIALS, OR COVERS TO MATERIAL STOCKPILES AND OTHER SURFACES THAT CAN GIVE RISE TO AIRBORNE PARTICULATE MATTER. COVER, WHILE IN MOTION, OPEN-BODIED TRUCKS OR OPEN-BODIED TRAILERS. MINIMIZE THE VOLUME OF WATER SPRAYED FOR CONTROLLING DUST AS TO PREVENT THE RUNOFF OF WATER. NO DISCHARGE OF DUST CONTROL WATER SHALL CONTAIN OR CAUSE A VISIBLE OIL SHEEN, FLOATING SOLIDS, VISIBLE DISCOLORATION, OR FOAMING IN THE RECEIVING STREAM.
12. THE DEVELOPER SHALL ENSURE THAT CONSTRUCTION ACTIVITIES COMPLY WITH THE NOISE ORDINANCES OF THE AUTHORITY HAVING JURISDICTION.
13. THE CONTRACTOR SHALL EXCAVATE A PIT TO BE DESIGNATED AS A WASHOUT AREA FOR CONCRETE, PAINT, AND OTHER MATERIALS. THIS AREA SHALL BE CLEARLY FLAGGED AND CONSTRUCTED TO BE ENTIRELY SELF-CONTAINED. THIS AREA SHALL BE OUTSIDE OF ANY BUFFERS AND AT LEAST 50 FEET FROM ANY STREAM, WETLAND, OR OTHER SENSITIVE SOURCE. DUMPING OF LIQUID WASTES IN STORM SEWERS IS PROHIBITED. THE WASHOUT AREA SHALL BE INSPECTED AT LEAST ONCE A WEEK TO ENSURE STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY, AND TO CHECK FOR LEAKS AND OVERFLOWS. ACCUMULATED DEBRIS SHOULD BE REMOVED ONCE THE WASHOUT AREA REACHES HALF WAY FULL OR IS DEEMED NECESSARY TO AVOID OVERFLOWS. REMOVE AND DISPOSE OF HARDENED CONCRETE WASTE CONSISTENT WITH PRACTICES DEVELOPED FOR THE WASTE DISPOSAL.
14. THE CONTRACTOR SHALL DESIGNATE A WASTE DISPOSAL AREA FOR TEMPORARY STORAGE OF MATERIALS TO BE REMOVED FROM THE SITE. THE DESIGNATED WASTE AREA SHALL BE SELECTED AS TO MINIMIZE TRUCK TRAVEL THROUGH THE SITE. THE AREA WILL NOT DRAIN DIRECTLY TO ADJACENT WETLANDS. PICKUPS SHALL BE SCHEDULED REGULARLY TO PREVENT THE CONTAINERS FROM OVERFILLING. SPILLS SHALL BE CLEANED UP IMMEDIATELY. DEFECTIVE CONTAINERS THAT MAY CAUSE LEAKS OR SPILLS WILL BE IDENTIFIED THROUGH REGULAR INSPECTION. ANY FOUND TO BE DEFECTIVE WILL BE REPAIRED OR REPLACED IMMEDIATELY. ANY STOCKPILING OF MATERIALS SHOULD BE CONFINED TO THE DESIGNATED AREA AS DEFINED BY THE CONTRACTOR.
15. ALL CHEMICAL AND PETROLEUM PRODUCT CONTAINERS STORED ON THE SITE (EXCLUDING THOSE CONTAINED WITHIN VEHICLES AND EQUIPMENT) SHALL BE PROVIDED WITH IMPERMEABLE CONTAINMENT WHICH WILL HOLD AT LEAST 110% OF THE VOLUME OF THE LARGEST CONTAINER, OR 10% OF THE TOTAL VOLUME OF ALL CONTAINERS IN THE AREA, WHICHEVER IS LARGER, WITHOUT OVERFLOW FROM THE CONTAINMENT AREA. ALL CHEMICALS AND THEIR CONTAINERS SHALL BE STORED UNDER A ROOFED AREA EXCEPT FOR THOSE CHEMICALS STORED IN CONTAINERS OF 100 GALLON CAPACITY OR MORE, IN WHICH CASE A ROOF IS NOT REQUIRED. DOUBLE-WALLED TANKS SATISFY THIS REQUIREMENT.
16. CONTRACTOR SHALL COORDINATE WITH THE PROPER AGENCIES FOR RELOCATION OF ANY UTILITIES OR SIGNS.
17. IF REQUIRED, AN APPROVED EROSION CONTROL BOND SHALL BE PREPARED BEFORE THE START OF ANY CONSTRUCTION ACTIVITY.
18. FROZEN MATERIAL SHALL NOT BE USED FOR FILL NOR SHALL FILL BE PLACED OR COMPACTED ON FROZEN GROUND.

ESTIMATED CONSTRUCTION START DATE - SUMMER 2020
ESTIMATED COMPLETION DATE - SUMMER 2021

CONSTRUCTION DUST CONTROL NOTES

- IDENTIFY AND ADDRESS SOURCES OF DUST GENERATED BY CONSTRUCTION ACTIVITIES. LIMIT CONSTRUCTION TRAFFIC TO PREDETERMINED ROUTES. PAVED SURFACES REQUIRE MECHANICAL SWEEPERS TO REMOVE SOIL THAT HAS BEEN DEPOSITED OR TRACKED ONTO THE PAVEMENT. ON UNPAVED TRAVELWAYS AND TEMPORARY HAUL ROADS, USE ROAD CONSTRUCTION STABILIZATION MEASURES AND/OR WATER AS NEEDED TO KEEP SURFACE DAMP. STATIONARY SOURCES OF DUST, SUCH AS ROCK CRUSHERS, USE FINE WATER SPRAYS TO CONTROL DUST. IF WATER IS EXPECTED TO BE NEEDED FOR DUST CONTROL, IDENTIFY THE SOURCE OF WATER IN ADVANCE. PUMPING FROM STREAMS, POND AND SIMILAR WATERBODIES MAY REQUIRE APPROVAL FROM THE MUNICIPAL INLAND WETLAND AGENCY.
- IDENTIFY AND ADDRESS SOURCES OF WIND GENERATED DUST. PROVIDE SPECIAL CONSIDERATION TO HILL TOPS AND LONG REACHES OF OPEN GROUND WHERE SLOPES MAY BE EXPOSED TO HIGH WINDS. CONSIDER BREAKING UP LONG REACHES WITH TEMPORARY WINDBREAKS CONSTRUCTED FROM BRUSH PILES, GEOTEXTILE SILT FENCES OR HAY BALES. PLAN ON STABILIZING SLOPES EARLY. MULCH FOR SEED WILL REQUIRE ANCHORING WHEN USED.
- CONSIDER WATER QUALITY WHEN SELECTING THE METHOD AND/OR MATERIALS USED FOR DUST CONTROL. WHEN CONSIDERING THE USE OF CALCIUM CHLORIDE, BE AWARE OF THE FOLLOWING: THE RECEIVING SOIL'S PERMEABILITY SO AS TO PREVENT GROUNDWATER CONTAMINATION; THE TIMING OF THE APPLICATION TO RAINFALL TO PREVENT WASHING OF SALTS INTO SENSITIVE AREAS SUCH AS WETLANDS AND WATERCOURSES; AND PROXIMITY TO SENSITIVE AREAS SUCH AS WATERCOURSES, PONDS, ESTABLISHED OR SOON TO BE ESTABLISHED AREA OF PLANTINGS, WHERE SALTS COULD IMPAIR OR DESTROY PLANT AND ANIMAL LIFE. ADDITIONALLY, SOME MATERIALS USED FOR DUST CONTROL MAY BE RENDERED INEFFECTIVE BY DEGRADED WATER QUALITY IF IT IS USED FOR MIXING.
- CONSIDER USING DUST CONTROL MEASURES ONLY AFTER IT IS DETERMINED THAT OTHER MEASURES FOR SOIL STABILIZATION CANNOT BE PRACTICALLY APPLIED.
- USE MECHANICAL SWEEPING ON PAVED AREAS WHERE DUST AND FINE MATERIALS ACCUMULATE AS A RESULT OF TRUCK TRAFFIC, PAVEMENT SAW CUTTING SPILLAGE, AND WIND OR WATER DEPOSITION FROM ADJACENT DISTURBED AREAS. SWEEP DAILY IN HEAVILY TRAFFICKED AREAS.
- PERIODICALLY MOISTEN EXPOSED SOIL SURFACES ON UNPAVED TRAVELWAYS TO KEEP THE TRAVELWAY DAMP.
- NON-ASPHALTIC SOIL TACKFIER CONSISTS OF AN EMULSIFIED LIQUID SOIL STABILIZER OF ORGANIC, INORGANIC OR MINERAL ORIGIN, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: MODIFIED RESINS, CALCIUM CHLORIDE, COMPLEX SURFACTANT, COPOLYMERS OR HIGH GRADE LATEX ACRYLICS. THE SOLUTIONS SHALL BE NONASPHALTIC, NONTOXIC TO HUMAN, ANIMAL AND PLANT LIFE, NONCORROSIVE AND NONFLAMMABLE. MATERIALS USED SHALL MEET LOCAL, STATE AND FEDERAL GUIDELINES FOR INTENDED USE. ALL MATERIALS ARE TO BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND ALL SAFETY GUIDELINES SHALL BE FOLLOWED IN STORING, HANDLING AND APPLYING MATERIALS.
- REPEAT APPLICATION OF DUST CONTROL MEASURES WHEN FUGITIVE DUST BECOMES EVIDENT.



GABION WOOD CHIP DIKE

N.T.S.

PROJECT CONTACT INFO:

METRO REALTY GROUP, LTD.
C/O EDDY MAJEWSKI
[860-978-4293]

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

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design professionals
CIVIL & TRAFFIC ENGINEERS / LAND SURVEYORS
PLANNERS / LANDSCAPE ARCHITECTS
21 FIRST DRIVE
P.O. BOX 1076
SOUTH WINDSOR, CT 06074
860-291-8755 – T
860-291-8757 – F
www.designprofessionals.com

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PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT #: 3930.M
DATE: 5/13/2020
DESIGN BY: BPW
DRAWN BY: DHI
CHECKED BY: BPW

REVISIONS

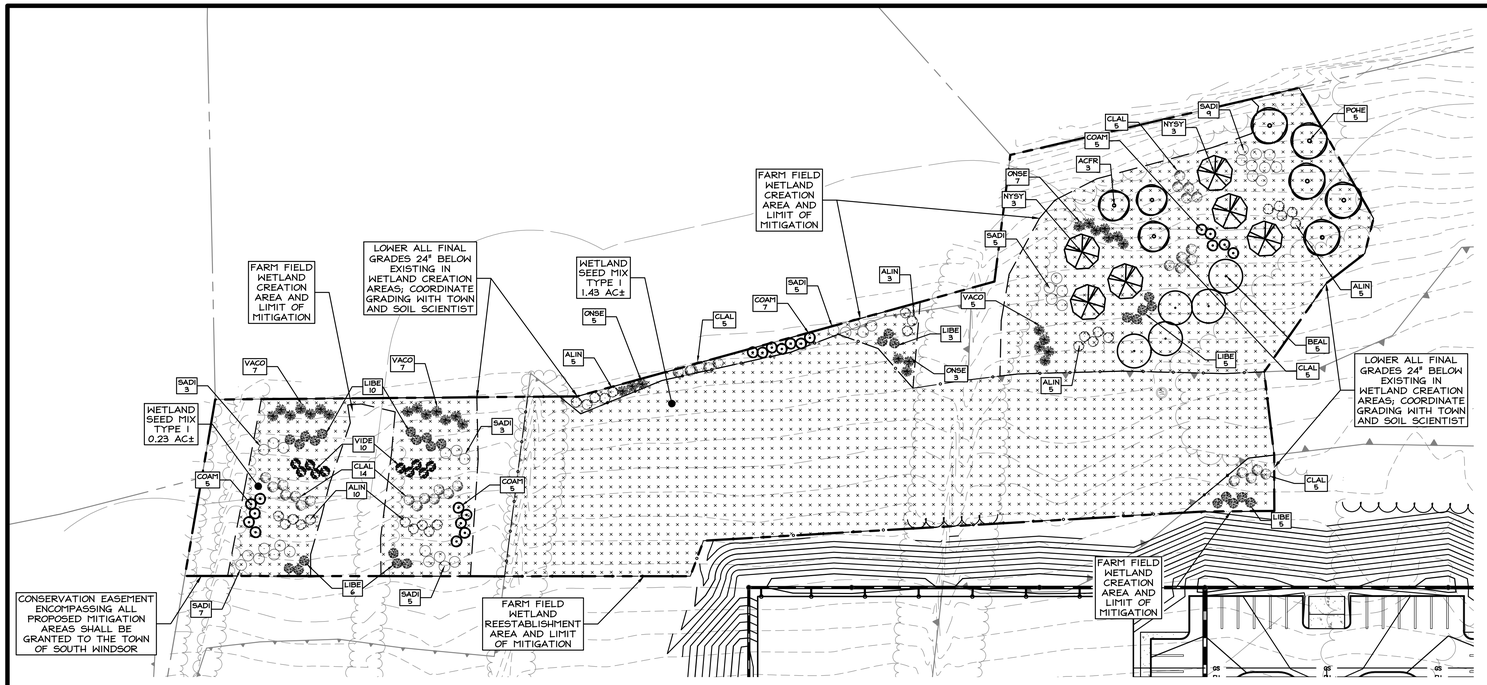
NO.	DATE		BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

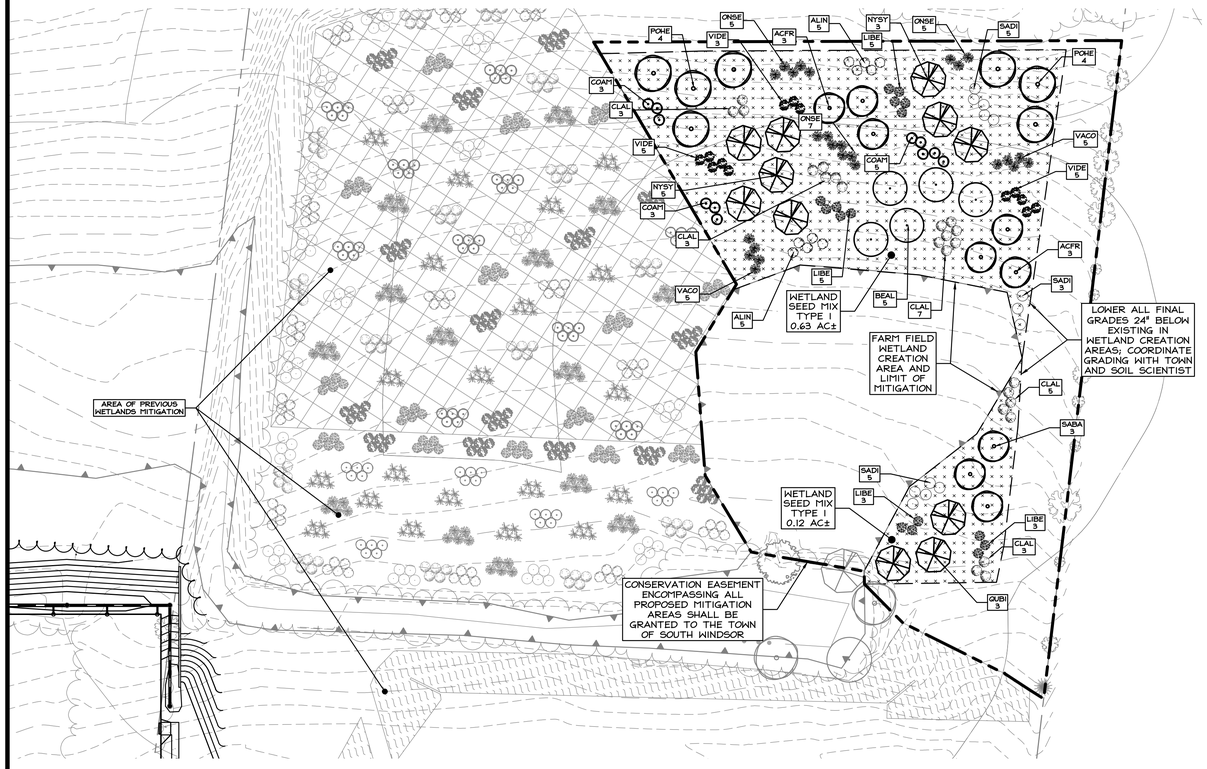
EROSION & SEDIMENTATION DETAILS & NOTES

SHEET
C-ES2
SHEET 12 OF 18

File: C:\jobs\3930\Autocad\North Building\3930 North-E-S Plan.dwg Layout: 12 C-ES2 Plotted: 5/22/2020 1:14 PM Last Saved: 5/22/2020 1:28 AM Last Saved By: RachelMeier



1 NORTHEAST WETLAND MITIGATION PLANTING PLAN



2 SOUTHEAST WETLAND MITIGATION PLANTING PLAN

LANDSCAPE NOTES:

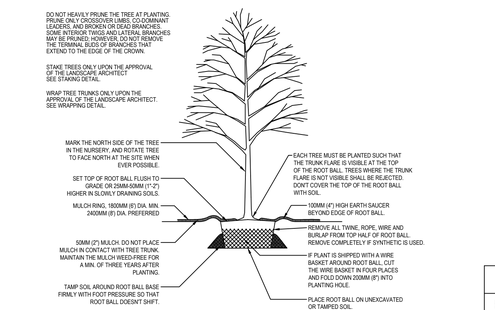
1. PLANTS: ALL PLANTS SHALL COMPLY WITH THE RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD OF NURSERY STOCK." PROVIDE PLANTS TYPICAL OF THEIR SPECIES OR VARIETY WITH NORMAL, DENSELY-DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. PROVIDE ONLY SOUND, HEALTHY, VIGOROUS PLANTS FREE FROM INSECT PESTS, DISEASES, AND PHYSICAL INJURY. ALL PLANTS SHALL HAVE A FULLY DEVELOPED FORM WITHOUT VOIDS AND OPEN SPACES.
2. CONTRACTOR RESPONSIBLE TO WARRANT PLANT MATERIAL TO REMAIN ALIVE AND BE HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF 1 YEAR AFTER FINAL ACCEPTANCE OF ENTIRE PROJECT INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM NEGLECT BY OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND CONTRACTOR'S CONTROL.
3. CONTRACTOR TO REMOVE AND REPLACE TREES, SHRUBS, OR OTHER PLANTS FOUND TO BE DEAD OR IN UNHEALTHY CONDITION DURING WARRANTY PERIOD AT CONTRACTOR'S EXPENSE. REPLACE TREES AND SHRUBS WHICH ARE IN DOUBTFUL CONDITION AT END OF WARRANTY PERIOD, AND EXTEND WARRANTY PERIOD FOR AN ADDITIONAL GROWING SEASON FOR THE REPLACEMENT PLANTS.
4. CONTRACTOR RESPONSIBLE FOR PLANTING UNDER FAVORABLE WEATHER CONDITIONS AND RECOMMENDED SEASON FOR PLANT SURVIVAL AND ESTABLISHMENT AT OPTIMUM OF, AND UNDER FULL RESPONSIBILITY OF CONTRACTOR. PLANTING OPERATIONS MAY BE CONDUCTED UNDER UNSEASONABLE CONDITIONS, BUT WITHOUT ADDITIONAL COMPENSATION. IF SPECIAL CONDITIONS EXIST TO REQUIRE PLANTING OUTSIDE THE ABOVE SPECIFIED DATES, THE CONTRACTOR SHALL SUBMIT IN WRITING FOR PERMISSION BY THE OWNER'S REPRESENTATIVE. ANY VARIANCE IN THE PLANTING SEASON WILL NOT AFFECT THE ONE YEAR PLANTING GUARANTEE PERIOD.
5. DO NOT MAKE SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY TO OWNER TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL. SUBSTITUTION OF PLANTS WILL NOT BE PERMITTED UNLESS APPROVED IN WRITING BY THE OWNER.
   5.A. ROOT TYPES MAY BE FREELY SUBSTITUTED IN THE CASE OF BALLED AND BURLAPPED, OR CONTAINER GROWN. ALL OTHER SPECIFICATIONS REMAINING UNCHANGED. BARE ROOT OR COLLECTED PLANTS ARE NOT ACCEPTABLE AS SUBSTITUTES WITHOUT RECEIPT OF A CHANGE ORDER.
6. CONTRACTOR RESPONSIBLE TO SUBMIT CERTIFICATES OF INSPECTION AS REQUIRED BY GOVERNMENTAL AUTHORITIES. LANDSCAPE MATERIALS TO BE SHIPPED WITH CERTIFICATES OF INSPECTION REQUIRED BY GOVERNMENTAL AUTHORITIES. COMPLY WITH REGULATIONS APPLICABLE TO LANDSCAPE MATERIALS AND CONTRACTOR TO SUBMIT MANUFACTURER'S OR VENDOR'S CERTIFIED ANALYSIS FOR FERTILIZER MATERIALS.
7. MOVING AND STORAGE OF PLANT MATERIALS: CONTRACTOR TO TAKE ALL PRECAUTIONS CUSTOMARY IN GOOD TRADE PRACTICE IN PREPARING PLANTS FOR MOVING. WORKMANSHIP THAT FAILS TO MEET THE HIGHEST STANDARDS WILL BE REJECTED.
   7.A. SPRAY DECIDUOUS PLANTS IN FOLIAGE WITH AN APPROVED ANTITRANSPIRANT IMMEDIATELY AFTER DIGGING TO PREVENT DEHYDRATION.
   7.B. LEGIBLY TAG PLANTS WITH BOTANICAL NAME AND SIZE IN ACCORDANCE WITH THE STANDARDS OF PRACTICE OF THE AMERICAN ASSOCIATION OF NURSERYMEN.
   7.C. DIG, PACK, TRANSPORT, AND HANDLE PLANTS WITH CARE TO ENSURE PROTECTION AGAINST INJURY. FULLY PROTECT PLANTS FROM DAMAGE BY SUN, WIND, DROUGHT, WATER AND OTHER INJURIOUS CONDITIONS DURING TRANSPORTATION TO SITE AND DURING TEMPORARY STORAGE BEFORE PLANTING.
   7.D. INSPECTION CERTIFICATES REQUIRED BY LAW SHALL ACCOMPANY EACH SHIPMENT INVOICE OR ORDER TO STOCK AND ON ARRIVAL. THE CERTIFICATE SHALL BE FILED WITH THE OWNER.
   7.E. NO PLANT SHALL BE BOUND WITH ROPE OR WIRE IN A MANNER THAT COULD DAMAGE OR BREAK THE BRANCHES.
8. A COMPLETE LIST OF PLANTS, INCLUDING A SCHEDULE OF SIZES, QUANTITIES, AND OTHER REQUIREMENTS IS SHOWN ON THE DRAWINGS. IN THE EVENT THAT QUANTITY DISCREPANCIES OR MATERIAL OMISSIONS OCCUR IN THE PLANT MATERIALS LIST, THE PLANTING PLANS SHALL GOVERN.
9. STOCK FURNISHED SHALL BE AT LEAST THE MINIMUM SIZE INDICATED ON THE DRAWINGS. LARGER STOCK IS ACCEPTABLE, AT NO ADDITIONAL COST AND PROVIDING THE LARGER PLANTS WILL NOT BE CUT BACK TO THE SIZE INDICATED ON THE DRAWINGS.
10. NO PRUNING WOUNDS SHALL BE PRESENT WITH A DIAMETER OF MORE THAN 1 INCH AND SUCH WOUNDS MUST SHOW VIGOROUS BARK ON ALL EDGES.
11. ANTITRANSPIRANT: PROVIDE PROTECTIVE FILM EMULSION PROVIDING A PROTECTIVE FILM OVER PLANT SURFACES PERMEABLE TO PERMIT TRANSPIRATION. MIXED AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
12. WATER IS TO BE SUPPLIED FOR PLANTS THAT IS CLEAN, FREE FROM TOXIC AMOUNTS OF SALT, OIL, ACID ALKALI, ORGANIC MATTER OR OTHER SUBSTANCES HARMFUL TO PLANTS.
13. CONTRACTOR TO PRUNE AND REPAIR PLANTS AS FOLLOWS:
   13.A. REMOVE OR CUT BACK, BROKEN, DAMAGED, AND UNSYMMETRICAL GROWTH OF NEW WOOD.
   13.B. MULTIPLE LEADER PLANTS: PRESERVE THE CENTRAL LEADER WHICH WILL BEST PROMOTE THE SYMMETRY OF THE PLANT. CUT BRANCHES FLUSH AT THE BRANCH COLLAR WITH THE TRUNK OR MAIN BRANCH.
   13.C. PRUNE NEEDLE-LEAF EVERGREEN TREES ONLY TO REMOVE BROKEN OR DAMAGED BRANCHES.
   13.D. ALL TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7 FEET ABOVE FINISH GRADE.
14. CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF PLANT MATERIALS:
   14.A. MAINTAIN PLANTINGS UNTIL FINAL ACCEPTANCE OF WORK.
   14.B. MAINTENANCE SHALL INCLUDE PRUNE, WEEDING, WATERING, AND APPLICATION OF APPROPRIATE INSECTICIDES AND FUNGICIDES NECESSARY TO MAINTAIN PLANTS FREE OF INSECTS AND DISEASE.
   14.C. RESET SETTLED PLANTS TO PROPER GRADE AND POSITION. RESTORE PLANTING SAUCER AND ADJACENT MATERIAL AND REMOVE DEAD MATERIAL.
   14.D. CORRECT DEFECTIVE WORK AS SOON AS POSSIBLE AFTER DEFICIENCIES BECOME APPARENT AND WEATHER AND SEASON PERMIT.
   14.E. WATER PLANTINGS IN A SATISFACTORY MANNER DURING AND IMMEDIATELY FOLLOWING PLANTING, TWICE PER WEEK, OR LESS UNDER WET CONDITIONS, UNTIL ACCEPTANCE BY OWNER. PROVIDE ADDITIONAL WATERING DURING EXCESSIVE DRY PERIODS DURING THE MAINTENANCE PERIOD AS DIRECTED BY THE OWNER.
   14.F. REPLACEMENT OF PLANTS: ANY PLANTS TO BE REPLACED PRIOR TO ACCEPTANCE OF WORK OR UNDER THE GUARANTEE SHALL BE INSTALLED FOLLOWING PROCEDURES SET FORTH ABOVE.
15. LANDSCAPE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION.
16. LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
17. LANDSCAPE CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG 1-800-922-4455 AT LEAST TWO FULL WORKING DAYS PRIOR TO INSTALLATION.
18. LANDSCAPE CONTRACTOR TO REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS FROM SITE PER GOVERNING REGULATIONS.
19. CONSTRUCTION SITE IS TO BE IN A CLEAN, ORDERLY CONDITION AT ALL TIMES.
20. ALL REQUIRED PERMITS ARE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
21. LANDSCAPE CONTRACTOR SHALL PROVIDE FINE GRADING WORK FOR THE ENTIRE PROJECT.
   21.A. TOPSOIL SHALL NOT BE SPREAD UNDER FROZEN OR MUDDY CONDITIONS.
22. THE LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

WETLAND SEED MIX:

1. SEEDING MIXTURE TYPE I (WETLAND CREATION AREA)
   OBL-FACH PERENNIAL FOOD & COVER WETLAND MIX - ERNMX-120
   BY Ernst Conservation Seeds, 9006 Mercer Pike, Meadville, PA 16335
   (800) 873-3321
   APPLICATION RATE: 0.50 LBS PER 1,000 S.F., 20 LBS PER ACRE

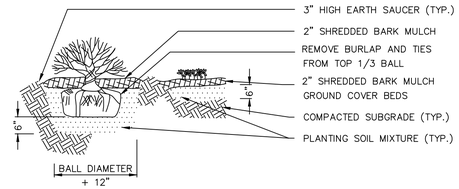
WETLAND CREATION AREA NOTES:

1. ALL CONSTRUCTION EQUIPMENT UTILIZED IN THIS AREA SHALL MINIMIZE COMPACTION AS MUCH AS POSSIBLE.
2. LOWER ALL FINAL GRADES 24" BELOW EXISTING WITHIN THE FARM FIELD WETLAND CREATION AREAS. TOPSOIL SHALL BE STOCKPILED BEYOND THE LIMITS OF WETLANDS. IN THE FARM FIELD REESTABLISHMENT AREA, EXISTING GRADE SHALL BE MAINTAINED AND AMENDED WITH THE SELECTED SEED MIX.
3. MECHANICALLY MIX TOPSOIL WITH A MINIMUM 30% ORGANIC CONTENT OUTSIDE OF THE WETLANDS CREATION AREA. USE TOPSOIL FROM WETLAND TO BE DISTURBED.
4. PLACE TOPSOIL/ORGANIC SOIL MIXTURE IN WETLAND CREATION AREA TO A MINIMUM DEPTH OF 12". NO FERTILIZER OR LIME SHALL BE APPLIED.
5. SEED ENTIRE AREA WITH WETLAND SEED MIX PER SUPPLIER'S WRITTEN INSTRUCTIONS AND WITHIN SUGGESTED PERIOD OF YEAR.
6. AREA SHALL BE MOWED NOT LESS THAN ONCE EVERY TWO YEARS BETWEEN NOVEMBER 1 AND MARCH 1 TO MAINTAIN A WET MEADOW.



3 TREE PLANTING DETAIL

Not to Scale



4 SHRUB & GROUNDCOVER PLANTING DETAIL

Not to Scale

WETLAND PLANTING SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	NOTES
TREES						
ACFR	9	Acer x. freemanii 'Jeffer's Red'	Autumn Blaze Maple	Sapling	B&B	PLANT AS SHOWN
BEAL	10	Betula alleghaniensis	Yellow Birch	Sapling	B&B	PLANT AS SHOWN
NYSY	14	Nyssa sylvatica 'Wildfire'	Wildfire Black Tupelo	Sapling	B&B	PLANT AS SHOWN
POHE	13	Populus heterophylla	Swamp Cottonwood	Sapling	B&B	PLANT AS SHOWN
QUBI	3	Quercus bicolor	Swamp White Oak	Sapling	B&B	PLANT AS SHOWN
SABA	3	Salix babylonica	Weeping Willow	Sapling	B&B	PLANT AS SHOWN
SHRUBS						
ALIN	38	Alnus incana	Speckled Alder	No. 2	CONT.	6' O.C.
CLAL	55	Clethra alnifolia	Sweet Pepperbush	No. 2	CONT.	6' O.C.
COAM	31	Cornus amomum	Silky Dogwood	No. 2	CONT.	6' O.C.
LIBE	45	Lindera benzoin	Spice Bush	No. 2	CONT.	6' O.C.
SADI	50	Salix discolor	Pussy Willow	No. 2	CONT.	6' O.C.
VACO	29	Vaccinium corymbosum	High Bush Blueberry	No. 2	CONT.	6' O.C.
VIDE	23	Viburnum dentatum	Arrowwood Viburnum	No. 2	CONT.	6' O.C.
HERBACEOUS						
ONSE	32	Onoclea sensibilis	Sensitive Fern	No. 1	CONT.	5' O.C.

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

REFERENCES:
THIS PLAN REFERS TO THE FOLLOWING:
1. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC PLAN, 190 & 240 BUCKLAND ROAD AND 274 BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT" DATED 10/18/2018 AND 1/23/2020 PREPARED BY DESIGN PROFESSIONALS, INC.

LANDSCAPE PLAN NOTES:
1. "CALL BEFORE YOU DIG" – CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. CALL 811 AT LEAST 72 HOURS PRIOR TO BEGINNING EXCAVATION.
2. THIS PLAN SHALL BE USED FOR LANDSCAPING ONLY
3. REFER TO NOTES SHEET FOR LANDSCAPING AND SEEDING NOTES

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design professionals
CIVIL & TRAFFIC ENGINEERS / LAND SURVEYORS
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21 JEFFREY DRIVE
SUITE 201
SOUTH WINDSOR, CT 06074
860-291-8755 – T
860-291-8757 – F
www.designprofessionals.com

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PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.: 3530M
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THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

NO	DATE	REVISIONS	BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

WETLAND MITIGATION PLAN

SCALE: 0 20' 40' 80'
1" = 40'

SHEET
C-LS1
SHEET 13 OF 18

CONSTRUCTION NOTES:

1. At least two full business days prior to starting any site activity or demolition, the contractor shall contact the applicable state utility location service by dialing 811 or submitting an online ticket request. The utilities shall be marked in all areas of proposed disturbance.

2. It is the contractor's responsibility to review all construction contract documents associated with the project scope of work, including, but not limited to, all drawings and specifications, architectural plans, boundary and topographic survey, wetlands assessment and reports, geotechnical reports, environmental reports, and approval conditions, prior to the commencement of construction. Should the contractor find conflict and/or discrepancy between the documents relative to the plans, specifications, reports, or the relative or applicable codes, regulations, laws, rules, statutes and/or ordinances, it is the contractor's sole responsibility to notify the Engineer, in writing, of said conflict and/or discrepancy prior to the start of construction.

3. The contractor shall be responsible for adhering to any conditions of approval placed on the project by the authorities having jurisdiction.

4. The contractor must comply, to the fullest extent, with the latest Occupational Safety and Health (OSHA) standards and regulations, and/or any other agency with jurisdiction for construction activities. The contractor is solely responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with work on the Project. The Engineer will not be responsible for the contractor's safety, schedules, or failure to carry out its work in accordance with the contract documents. The Engineer will not have control over or charge of acts or omissions of the contractor, subcontractors, or their agents or employees, or of any persons performing portions of work on the Project.

5. Contractor must notify the Engineer in writing if there are any questions concerning the accuracy or intent of these plans or related specifications. If such notification is given, no demolition or site activity may begin until such time that the Engineer provides a written response to same.

6. Contractor shall adhere to and is responsible for compliance with all details, notes, plans and specifications contained herein. It is the responsibility of the contractor to ensure that all work performed by their subcontractors is in full compliance with these requirements.

7. The contractor shall confirm that they are in receipt of the current version of the referenced documents prior to the commencement of any work.

8. Prior to commencing work, the contractor shall review and correlate all consultants plans and specifications including the entire site plan and the latest architectural plans (including, but not limited to, structural, mechanical, electrical, plumbing, and fire suppression plans, where applicable), in particular for building utility connection locations, grease trap requirements/ details, door access, and exterior grading. Contractor must immediately notify the Architect and the Engineer, in writing, of any conflicts, discrepancies or ambiguities which exist, and receive a written resolution prior to commencing construction.

9. Prior to commencing work, contractor is required to secure all necessary and/or required permits and approvals for the construction of the project, including, but not limited to,. demolition work, and all off site material sources and disposal facilities. Copies of all permits and approvals shall be maintained on site throughout the duration of the project. The contractor shall thoroughly review and understand all permits and permit conditions prior to fabrication of any materials or products to be used as part of the project.

10. The contractor is responsible for independently verifying all existing onsite utilities within and adjacent to the limits of the project activities. Underground utility, structure and facility locations depicted and noted on the plans have been compiled, in part, from record mapping supplied by the respective utility companies or governmental agencies, from parol testimony, and from other sources. These locations must be considered as approximate in nature. Additionally, other such features may exist on the site, the existence of which are unknown to the Engineer.

11. The contractor is responsible for ensuring the installation of all improvements comply with all requirements of utility companies with jurisdiction and/or control of the site.

12. Locations of all existing and proposed services are approximate. Final utility service sizes and locations, including, but not limited to, the relocation and/or installation of utility poles, or the relocation and/or installation of transformers, are at the sole discretion of the respective utility companies.

13. Prior to commencement of any work, the contractor shall independently coordinate and confirm with the appropriate utility companies to finalize all utility services and/or relocations to ensure no conflict with the design plans and that proper depths can be achieved. All discrepancies must immediately be reported to the Engineer in writing. Should a conflict arise due to the final designs of the utility company, the contractor shall notify the Engineer in writing and await a written resolution prior to proceeding with further utility installations.

14. Prior to commencing construction, the contractor shall field verify all existing conditions, topographic information, utility invert elevations, and proposed layout dimensions, and must immediately notify the Engineer in writing if actual site conditions differ or are in conflict with the proposed work. No extra compensation will be paid to the contractor for work which has to be redone or repaired due to dimensions or grades shown incorrectly on these plans unless the contractor receives written permission from Owner/developer giving authorization to proceed with such additional work.

15. Where utilities are proposed to cross/traverse existing underground utilities, the elevations of the existing utilities shall be verified in the field prior to construction by excavating a test pit at the proposed utility crossing point. Should the field verified existing utility be in conflict with the proposed site designs, the contractor shall notify the Engineer in writing and shall not proceed with said utility construction until further direction is given from the Engineer.

16. At least 72 hours prior to starting any site activity or demolition, the contractor shall notify, at a minimum, the building official, municipal engineer, department of public works, planning and zoning commission, the Engineer, and local inland wetland commission, as applicable. The contractor shall also attend a pre-construction meeting with the local municipality, if required, prior to commencing any site activity or demolition.

17. Prior to starting any site activity or demolition, the contractor shall implement the soil erosion and sediment control measures as noted on the plans. Refer to the Erosion and Sedimentation Control Notes.

18. The demolition plan or existing features designated to be removed are intended to provide only general information regarding items to be demolished and/or removed. The contractor shall review all site plans (and architectural drawings as applicable) to assure that all demolition activities and incidental work necessary for the construction of the new site improvements are completed.

19. The contractor shall protect and maintain the operation and service of all active utilities and systems that are not being removed during all construction activities. Should a temporary interruption of utility services be required as part of the proposed construction activities, the contractor shall coordinate with appropriate utility companies and the affected end users to minimize impact and service interruption.

20. The contractor shall arrange for and coordinate with the appropriate utility companies for all services that require temporary or permanent termination for the project, whether shown on the site plans or not. Termination of utilities shall be performed in compliance with all local, state and/or federal regulations.

21. Contractor must prepare record drawings depicting the location of existing utilities that are capped, abandoned in place, or relocated and provide to the Owner and the Engineer of record.

22. Should hazardous material be discovered/encountered, which was not anticipated/addressed in the project plans and specifications, cease all work immediately and notify Owner and Engineer regarding the discovery of same. Do not continue work in the area until written instructions are received from an environmental professional.

23. The contractor is responsible for preventing movement, settlement, damage, or collapse of existing structures, and any other improvements that are to remain. If any existing structures that are to remain are damaged during construction, repairs shall be made using new product/materials resulting in a pre-damage condition, or better. Contractor is responsible for all repair costs. Contractor shall document all existing damage and to notify the Owner prior to the start of construction.

24. The use of explosives, if required, must comply with all local, state and federal regulations. The contractor shall obtain all permits that are required by the federal, state and local governments, and shall also responsible for all notification, inspection, monitoring or testing as may be required.

25. All debris from removal operations must be removed from the site at the time of excavation. Stockpiling of demolition debris will not be permitted. Debris shall not be burned or buried on site. All demolition materials to be disposed of, including, but not limited to, stumps, limbs, and brush, shall be done in accordance with all municipal, county, state, and federal laws and applicable codes. The contractor must maintain records of all disposal activities.

26. The contractor is responsible for repairing all damage to any existing utilities during construction, at its own expense.

27. All new utilities/services, including electric, telephone, cable tv, etc. are to be installed underground unless noted otherwise on the plans. The Contractor shall be responsible for installing all new utilities/services in accordance with the utility/service provider's written installation specifications and standards.

28. All earthwork activities must be performed in accordance with these plans and specifications and the recommendations set forth in the geotechnical report completed for this project. In the absence of a geotechnical report, all earthwork activities must comply with the standard state Department of Transportation (DOT) specifications (latest edition) and any amendments or revisions thereto. All earthwork activities must comply all applicable requirements, rules, statutes, laws, ordinances and codes for the jurisdictions where the work is being performed.

29. The contractor is responsible for removing and replacing unsuitable materials with suitable materials. All excavated or filled areas must be properly compacted. Moisture content at time of placement must be submitted in a compaction report prepared by a qualified geotechnical engineer, licensed in the state where the work is performed, verifying that all filled areas and subgrade areas within the building pad area and areas to be paved have been compacted in accordance with these plans, specifications and the recommendations. Subbase material for building pads, sidewalks, curb, or asphalt must be free of organics and other unsuitable materials. Should subbase be deemed unsuitable by Owner/developer or Owner/developer's representative, subbase is to be removed and filled with suitable material and properly compacted at the contractor's expense. All fill, compaction, and backfill materials required for utility installation must be coordinated with the applicable utility company specifications. The Engineer shall have no liability or responsibility for or as related to fill, compaction, backfill, or the balancing of earthwork.

30. Pavement must be saw cut into straight lines and must extend to the full depth of the existing pavement, except for edge of butt joints.

31. The tops of existing manholes, inlet structures, and sanitary cleanout tops must be adjusted as necessary, to match proposed grades.

32. Where retaining walls (whether or not they meet the jurisdictional definition) are identified on plans, elevations identified herein are for the exposed portion of the wall. Wall footing/foundation elevations are not identified herein and are to be set/determined by the contractor based on final structural design shop drawings prepared by an appropriate professional licensed in the state where the construction occurs.

33. Unless indicated otherwise or required by the authority having jurisdiction, all pipes shall be as follows:

    Reinforced Concrete pipe (RCP) shall meet the requirements of AASHTO M 170 Class IV with silt tight joints.

    High-Density Polyethylene pipe (HDPE) shall conform to AASHTO M 294, Type S (smooth interior with angular corrugations) with gaskets for silt tight joints.

    Polyvinyl chloride (PVC) pipe for roof drain connections shall be SDR 35 gasket pipe. Polyvinyl Chloride (PVC) pipe for sanitary sewer pipe shall be SDR 35 gasket pipe.

34. Storm sewer pipe lengths indicated are approximate and measured to the inside of inlet and/or manhole structure. Sanitary sewer pipe lengths indicated are approximate and measured to center of inlet and/or manhole structure to center of structure.

35. Stormwater roof drain locations are approximate and are based on preliminary architectural plans. Contractor is responsible for reviewing and coordinating the final architectural plans to verify final locations and sizes of all roof drains.

36. Sewers crossing streams and/or location within 10 feet of the stream embankment, or where site conditions so indicate, must be constructed of steel, reinforced concrete, ductile iron or other suitable material. Sewers conveying sanitary flow, combined sanitary and stormwater flow or industrial flow must be separated from water mains by a distance of at least 10 feet horizontally. If such lateral separations are not possible, the pipes must be in separate trenches with the sewer at least 18 inches below the bottom of the water main, or such other separation as approved by the agency with jurisdiction over same. Where appropriate separation from a water main is not possible, the sewer must be encased in concrete, or constructed of ductile iron pipe using mechanical or slip-on joints for a distance of at least 10 feet on either side of the crossing. In addition, one full length of sewer pipe should be located so both joints will be as far from the water line as possible. Where a water main crosses under a sewer, adequate structural support for the sewer must be provided.

37. Contractor's price for water service must include all fees, costs and appurtenances required by the utility to provide full and complete working service.

38. Contractor must contact the applicable water company to confirm the proper water meter and vault, prior to commencing construction. Water main and water service piping shall be installed in accordance with the requirements and specifications of the water authority having jurisdiction. In the absence of such specifications, water main piping must ductile iron (DIP) minimum Class 54. All work and materials must comply with the applicable American Water Works Association (AWWA) standards in effect at the time of the service application.

39. The contractor shall ensure that all work located in existing pavement be repaired in accordance with municipal, county and/or DOT details as applicable. Contractor is responsible to coordinate the permitting, inspection and approval of completed work with the agency having jurisdiction over the proposed work.

40. Where sump pumps are installed, all discharges must be connected to the storm sewer or discharged to an approved location.

41. For single and multi-family residential projects, spot elevation(s) adjacent to the buildings are schematic for non-specific building footprints. Grades must be adjusted based on final architectural plans and shall provide a minimum of six (6) inches below top of foundation/concrete and/or six (6) inches below the façade treatment, whichever is lower, and must provide positive drainage away from the structure (minimum of 2%). All areas shall be graded to preclude ponding adjacent to buildings, and on or adjacent to walks/driveways leading to the buildings. All construction, including grading, must comply with all applicable building codes, local, state and federal requirements, regulations and ordinances.

42. Contractor shall maintain and control traffic on and offsite in conformance with the current Federal Highway Administration (FHWA) "Manual on Uniform Traffic Control Devices" (MUTCD), and the federal, state, and local regulations for all aspects of demolition and site work. If a Maintenance of Traffic Plan is required for work that affects public travel either on or offsite, the contractor shall be responsible for the cost and implementation of said plan.

43. All temporary and permanent onsite and offsite signage and pavement markings shall conform to MUTCD, ADA, state DOT, and/or local approval requirements.

44. Contractor shall prevent the emission of dust, sediment, and debris from the site, and shall be responsible for corrective measures such as street sweeping, and clean-up work as deemed necessary by the Engineer or the authority having jurisdiction.

45. All concrete must be air entrained with a minimum compressive strength of 4,000 psi at 28 days unless otherwise specified on the plans, details and/or geotechnical report.

46. The Engineer will review contractor submittals which the contractor is required to submit, but only for the sole purpose of checking for general conformance with the intent of the design and contract documents. The Engineer is not responsible for any deviations from the construction documents unless contractor received explicit direction to do so, in writing, from the Engineer. The contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, and for techniques of assembly and/or fabrication processes.

47. All dimensions are to face of curb, edge of pavement, or edge of building, unless noted otherwise.

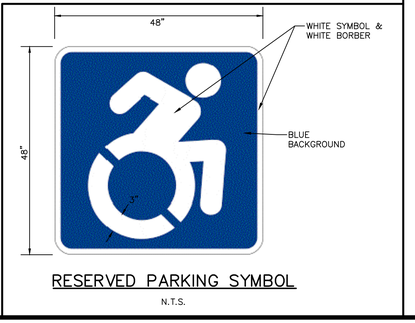
48. The contractor shall install and/or construct all aspects of the project in strict compliance with and accordance with manufacturer's written installation standards, recommendations and specifications.

49. All pumped discharge must utilize silt-sac or approved equal. Monitor to ensure dewatering activities do not cause erosion downstream. Stabilize area utilizing winter stabilization if appropriate for season of construction. Dewatering activities shall be completed in accordance with the 2002 CT Guidelines for Soil Erosion and Sediment Control.

AMERICANS WITH DISABILITY ACT NOTES TO CONTRACTOR:

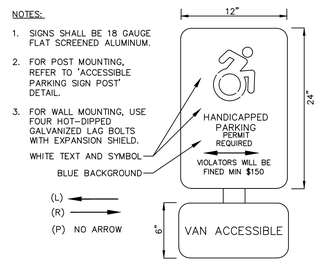
The contractor shall review the proposed construction with the local building official prior to the start of construction. Contractors shall be precise in the construction of Americans with Disabilities Act (ADA) accessible parking, components, and accessible routes for the project. These components shall comply with all applicable state and local accessibility laws and regulations and the current ADA regulations and construction standards. These components include, but are not limited to the following:

- Parking spaces and parking aisles shall not exceed a 1:50 (nominally 2.0%) slope in any direction.
- Accessible routes shall be a minimum of 36" wide (unobstructed). Handrails and car overhangs may not obstruct these areas. Longitudinal slopes (direction of travel) shall not exceed 1:20 (5.0%) and shall have a cross slope no greater than 1:50 (2.0%).
- Accessible routes exceeding 1:20 (5.0%) shall be considered a "ramp". Maximum slopes of a ramp shall be 1:12 (8.3%) in the direction of travel, and a cross slope of 1:50 (2.0%). Ramps shall have maximum rise of thirty (30) inches, shall be equipped with hand rails on both sides, and landings at the top and bottom of the ramp. Landings shall not exceed 1:50 (2.0%) in any direction and have positive drainage away from the landing.
- A landing shall be provided at the exterior of all doors and at each end of ramps. Landings shall not exceed 1:50 (2.0%) in any direction and have positive drainage away from the landing and/or building. The landing shall be no less than 60 inches long unless permitted otherwise per the ADA regulations.
- Curb ramps- shall not exceed a 1:12 (8.3%) slope for a maximum length of six (6) feet or a maximum rise of six (6) inches.
- The contractor shall verify all existing elevations shown on the plan in areas of existing doorways, accessible routes or other areas where re-construction is proposed. The contractor shall immediately notify the Owner and Engineer in writing if any of the proposed work intended to meet ADA requirements is incapable of doing so, or if there is any ambiguity regarding which design components are intended to meet ADA requirements. The contractor shall not commence the work in the affected area until receiving written resolution from Engineer.



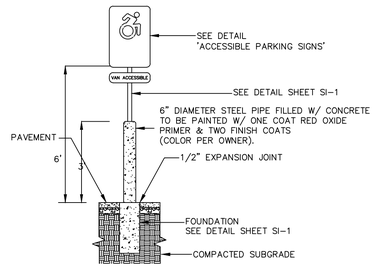
RESERVED PARKING SYMBOL

N.T.S.



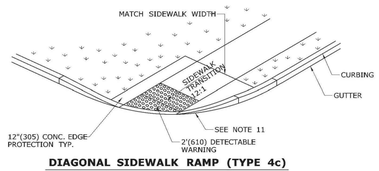
RESERVED PARKING SIGNAGE

N.T.S.

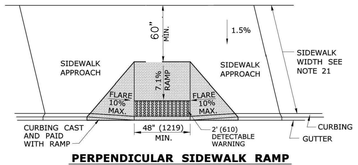


ACCESSIBLE PARKING SIGN POST

N.T.S.



DIAGONAL SIDEWALK RAMP (TYPE 4c)



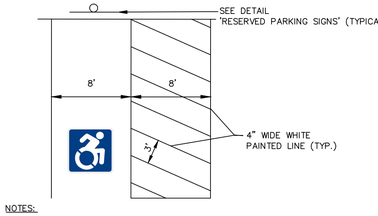
PERPENDICULAR SIDEWALK RAMP

NOTE:

SIDEWALK RAMP

DETAILS TAKEN FROM CONNECTICUT DOT STANDARD GUIDE SHEETS ~ SIDEWALK RAMPS

N.T.S.



NOTES:

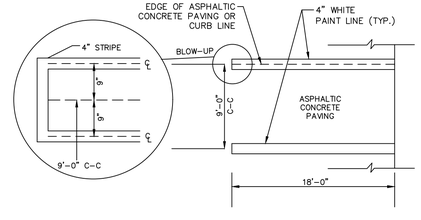
1. ACCESSIBLE PARKING SPACES AND ADA PASSENGER LOADING AREAS SHALL BE GRADED WITH A MAXIMUM SLOPE OF 1:50 (2%) IN ALL DIRECTIONS.

VAN ACCESSIBLE PARKING LAYOUT

N.T.S.

LEGEND

EXISTING	DESCRIPTION	PROPOSED
BORINGS		
TP	BORING / TEST PIT LOCATION	TP
COMMUNICATION		
— — — C_x — — — C_x — — —	UNDERGROUND COMMUNICATION LINES	C
DOMESTIC WATER		
— — — W_x — — — W_x — — —	WATER MAIN	W
— — — WS_x — — —	WATER SERVICE	WS
— — — F_x — — — F_x — — —	FIRE SERVICE LINE	F
— — — NPW_x — — —	NON-POTABLE WATER LINE	NPW
(W) (W)	WATER VALVE / FIXTURES	WV
	FIRE HYDRANT	
LIQUID FUEL		
— — — LF_x — — —	MAIN LIQUID FUEL LINE	LF
— — — LFS_x — — —	LIQUID FUEL SERVICE LINE	LFS
— — — LF_A — — —	LIQUID FUEL LINE, ABANDONED	
IRRIGATION		
— — — I_x — — — I_x — — —	IRRIGATION LINES	I
LIGHTING		
☼ / ◁	POLE / GROUND MOUNTED LIGHT	✸ / ◀
NATURAL GAS		
— — — G_x — — — G_x — — —	GAS MAIN	G
— — — GS_x — — —	GAS SERVICE LINE	GS
POWER		
— — — EO_x — — —	ELECTRICAL LINES, OVERHEAD	ED
— — — EU_x — — —	ELECTRICAL LINES, UNDERGROUND	EU
$\circ\!\!-\!\!\square_x$	UTILITY POLE	$\circ\!\!-\!\!\square_x$
PROPERTY		
— — — — — — — —	PROPERTY LINE	— — — — — —
— — — — — — — —	EASEMENT LINE	— — — — — —
○	IRON PIPE	
◎	IRON ROD	●
⊡	MONUMENT	■
ROADS		
○ ○	GUARD RAIL	● ●
EROSION CONTROL		
	SILT FENCE	SF
SITE FEATURES		
	4" DOUBLE SOLID YELLOW LINE	DSYL
	4" SINGLE SOLID WHITE LINE	SSWL
	BIT. CONC. LIP CURB	BCLC
	PRECAST CONCRETE CURB	PCC
SANITARY SEWER		
— — — S_x — — — S_x — — —	SANITARY SEWER MAIN	S
— — — SS_x — — — SS_x — — —	SANITARY SEWER SERVICE LINE	SS
(S)	SANITARY SEWER MANHOLE	◎
STORM SEWER		
— — — — — — — — — — — —	STORM DRAIN PIPE	
— — — RL_x — — — RL_x — — —	ROOF LEADER	RL
— — — UD — — — UD — — —	UNDERDRAIN	UD — — — UD
(D)	STORM DRAIN MANHOLE	(D)
▣	CURB INLET	▣
▣	CATCH BASIN	▣
●	YARD DRAIN	●
TOPOGRAPHY		
— — — — 95 — — — —	CONTOUR	95
X 61.95	SPOT ELEVATION	95
OTHER		
	RAMP	R
	LANDSCAPE AREA	LSA



HAIRPIN STRIPING LAYOUT

N.T.S.

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

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21 FIRST DRIVE
P.O. BOX 1962
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860-291-8755 - T
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PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.: 3530.M
DATE: 5/13/2020
DESIGN BY: BPW
DRAWN BY: DHI
CHECKED BY: BPW

REVISIONS

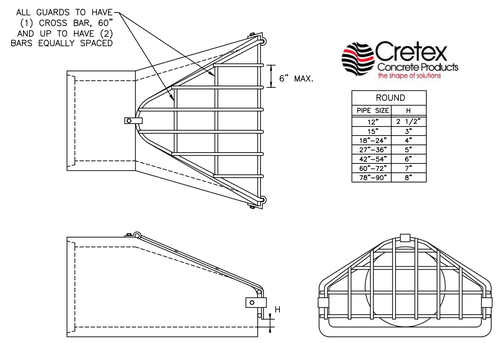
NO.	DATE		BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

NOTES, LEGEND, & DETAILS

SHEET
C-D1
SHEET 14 OF 18

File: C:\jobs\3530\Autocad\North Buildings\3530 North-Detailed.dwg Layout: 14 C-D1 Plotted: 5/22/2020 1:20 PM Last Saved: 5/22/2020 11:41 AM Last Saved By: RachelMeier



Cretex Concrete Products
the shape of solutions

ROUND	
PIPE SIZE	H
12"	2 1/2"
15"	3"
18"–24"	4"
27"–36"	5"
42"–54"	6"
60"–72"	7"
78"–90"	8"

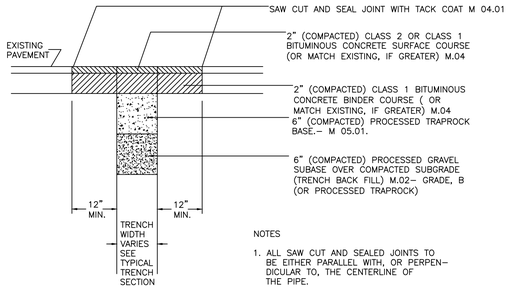
BAR SIZES							
STANDARD DESIGN				HEAVY DESIGN			
PIPE SIZE	HOLE DIA. REQ'D	BOLT DIA.	BAR SIZE	PIPE SIZE	HOLE DIA. REQ'D	BOLT DIA.	BAR SIZE
12"–24"	3/4"	5/8"	5/8"	12"–18"	3/4"	5/8"	3/4"
27"–48"	7/8"	3/4"	3/4"	21"–42"	7/8"	3/4"	1"
54"–90"	1 1/8"	1"	1"	48"–90"	1 1/8"	1"	1 1/4"
BOLT LENGTH = PIPE WALL THICKNESS + 2 1/2"							

NOTES:

1. CRETEX CONCRETE PRODUCTS, FLARED END TRASH GUARD SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL USE THIS PRODUCT OR APPROVED EQUAL.

FLARED END TRASH GUARD

N.T.S.



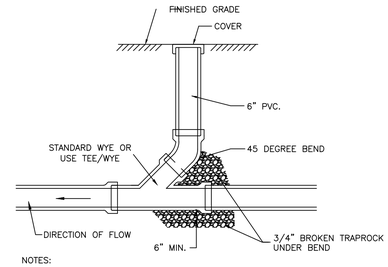
SECTION

NOTES

1. ALL SAW CUT AND SEALED JOINTS TO BE EITHER PARALLEL WITH, OR PERPENDICULAR TO, THE CENTERLINE OF THE PIPE.
2. ALL MATERIALS ARE TO MEET FORM 816, AS AMENDED

PERMANENT PAVEMENT PATCHING DETAIL

N.T.S.

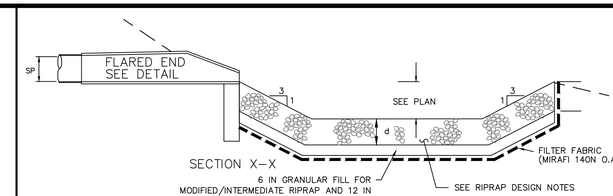


NOTES:

1. IF CLEANOUT IS LOCATED IN PAVEMENT OR SIDEWALK, PROVIDE STEEL FRAME AND GRATE. SPECIFICATIONS TO BE APPROVED BY TOWN ENGINEER.

ROOF LEADER / SANITARY CLEAN OUT

N.T.S

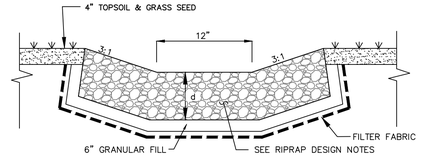


SECTION X–X

6 IN GRANULAR FILL FOR MODIFIED/INTERMEDIATE RIPRAP AND 12 IN FOR STANDARD RIPRAP.

RIPRAP PREFORMED SCOUR HOLE

N.T.S.



RIPRAP APRON / LEVEL SPREADER

N.T.S.

RIPRAP DESIGN NOTES:

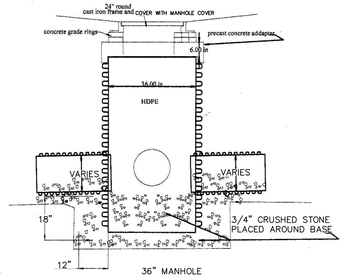
1) REFER PLAN SHEETS FOR LAYOUT.

2) RIPRAP APRON/SCOUR HOLES SHALL EXTEND 1' UNDER THE FLARED END SECTION (MINIMUM)

3) d = 12 IN (WHEN MODIFIED RIPRAP SPECIFIED)
18 IN (WHEN INTERMEDIATE RIPRAP SPECIFIED)
36 IN (WHEN STANDARD RIPRAP SPECIFIED)

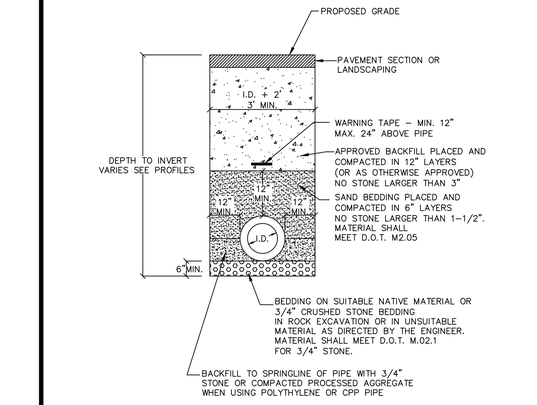
4) RIPRAP GRADATIONS SHALL MEET CT DOT FORM 816 SECTION M.12.02

5) FILTER FABRIC SHALL BE NONWOVEN AND SHALL MEET AASHTO M288–00, CLASS 2



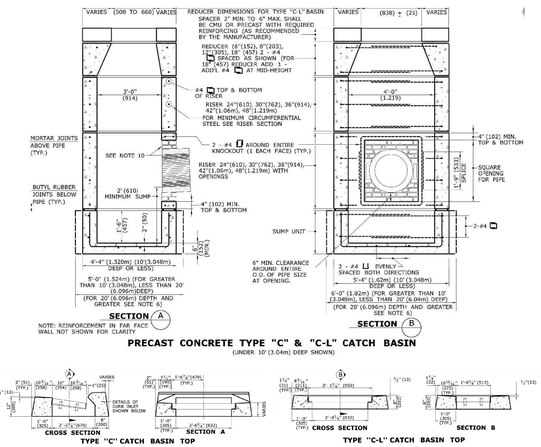
YARD DRAIN

N.T.S



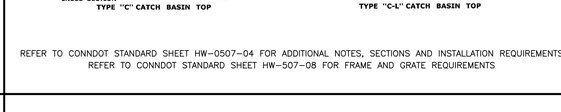
STORM SEWER TRENCH SECTION

N.T.S



PRECAST CONCRETE TYPE "C" & "C-L" CATCH BASIN

(UNDER 10' (3.04m) DEEP SHOWN)



REFER TO CONNDOT STANDARD SHEET HW–0507–04 FOR ADDITIONAL NOTES, SECTIONS AND INSTALLATION REQUIREMENTS
REFER TO CONNDOT STANDARD SHEET HW–507–08 FOR FRAME AND GRATE REQUIREMENTS

	PIPE DIAMETER, in (mm)					
Diameter in (mm)	12 (300)	15 (375)	18 (450)	24 (600)	30 (750)	36 (900)
A	6.5	6.5	7.5	7.5	7.5	7.5
in (mm)	(165)	(165)	(191)	(191)	(191)	(191)
B (min)	10.0	10.0	15.0	18.0	22.0	25.0
in (mm)	(254)	(254)	(381)	(475)	(559)	(635)
H	6.5	6.5	6.5	6.5	8.6	8.8
in (mm)	(165)	(165)	(165)	(165)	(218)	(218)
L	25.0	25.0	32.0	36.0	58.0	58.0
in (mm)	(635)	(635)	(813)	(914)	(1473)	(1473)
W	29.0	29.0	35.0	45.0	63.0	63.0
in (mm)	(737)	(737)	(889)	(1143)	(1600)	(1600)

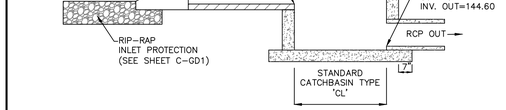
*Product detail may differ slightly from actual product appearance

NOTES:

ADS HDPE FLARED ENDS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL USE THIS PRODUCT AS SPECIFIED OR APPROVED EQUAL.

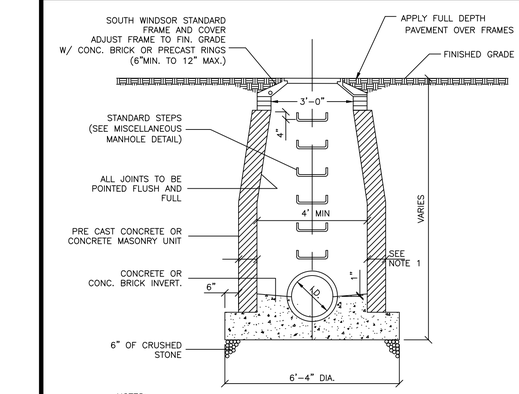
HDPE FLARED END

N.T.S.



OUTLET CONTROL STRUCTURE

N.T.S.

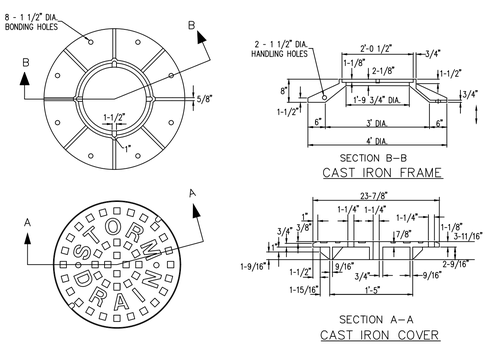


NOTES:

1. WALL THICKNESS SHALL BE SUFFICIENT TO MEET HS 20 LOADING.
2. WALL THICKNESS FOR STRUCTURES OVER 10' HIGH IS 12" FOR CONCRETE BLOCK UNITS. INSIDE DIMENSIONS REMAIN THE SAME. 3. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.

DRAIN MANHOLE

N.T.S

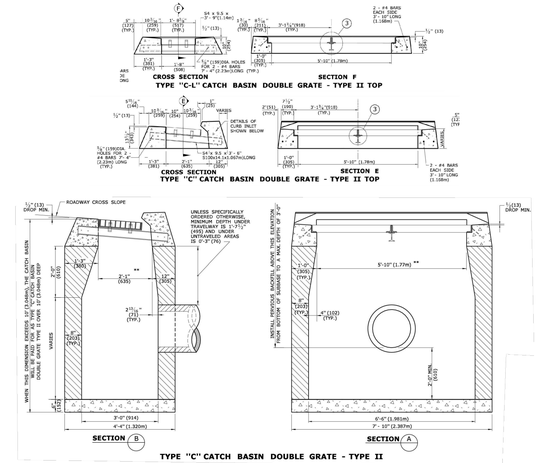


NOTES:

1. THE LOWER SURFACE OF THE COVER AND THE CORRESPONDING UPPER SURFACE OF THE FRAME SHALL BE MACHINE FINISHED TO PROVIDE A SMOOTH FLAT CONTACT OR FIT, WITHOUT ANY TENDENCY FOR THE COVER TO ROCK OR RATTLE.
2. SANITARY SEWER MANHOLES SHALL BE EQUIPPED WITH VENT HOLE IN CENTER.

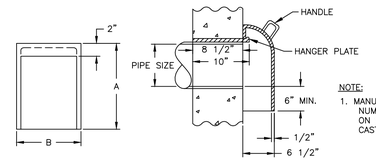
MANHOLE FRAME AND COVER

N.T.S



N.T.S.

REFER TO CONNDOT STANDARD SHEET HW–0507–03 FOR ADDITIONAL NOTES, SECTIONS AND INSTALLATION REQUIREMENTS
REFER TO CONNDOT STANDARD SHEET HW–507–08 FOR FRAME AND GRATE REQUIREMENTS



NOTE:

1. MANUFACTURER CATALOG NUMBER TO BE INDICATED ON SHOP DRAWINGS FOR CAST IRON TRAPS.

A	B	PIPE SIZE	WT. LBS.	SETTING METHOD
16"	12"	TO 6"	70	2 HOOKS
18"	12"	8"	75	2 HOOKS
20"	12"	10"	85	2 HOOKS
22"	16"	12"	100	2 HOOKS
25"	17"	15"	135	2 HOOKS
28"	20"	18"	155	2 HOOKS

CATCH BASIN TRAP HOOD

N.T.S

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860–674–5624

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21 FITCH DRIVE, SUITE 102
SOUTH WINDSOR, CT 06074
860–291–8755 – T
860–291–8757 – F
www.designprofessionals.com

PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860–674–5620 T

PROJECT NO.: 3530.M
DATE: 5/13/2020
DESIGN BY: BPW
DRAWN BY: DHI
CHECKED BY: BPW

THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

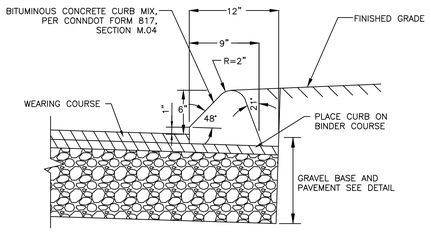
REVISIONS

NO.	DATE	REVISED FOR PZC APPLICATION	BY
1	5/22/2020		REM

DETAILS

SHEET
C-D2
SHEET 15 OF 18

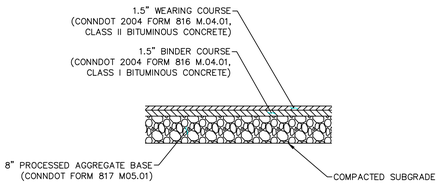
File: C:\jobs\3530\Autocad\North Buildings\3530 North–Details.dwg Layout: 15 C–D2 Plotted: 5/22/2020 1:20 PM Last Saved: 5/22/2020 11:41 AM Last Saved By: RachelMeier



NOTE:
BITUMINOUS CONCRETE CURBING SHALL BE INSTALLED PER CONNDOT FORM 817 SECTION 8.15.

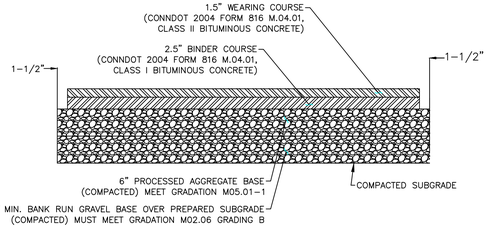
BITUMINOUS CONCRETE LIP CURB

N.T.S.



BITUMINOUS CONCRETE PAVEMENT SECTION STANDARD DUTY

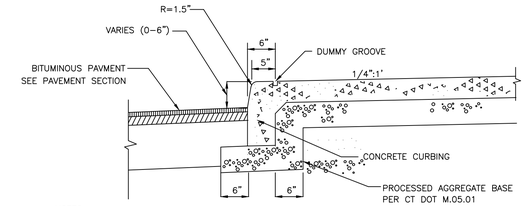
N.T.S.



NOTES:
1. HEAVY DUTY PAVEMENT AREA NOTED ON SITE PLAN. ALL OTHER PAVEMENT AREAS TO BE STANDARD DUTY.

BITUMINOUS CONCRETE PAVEMENT SECTION HEAVY DUTY

N.T.S.

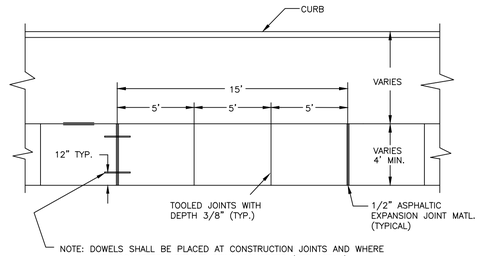


NOTES:

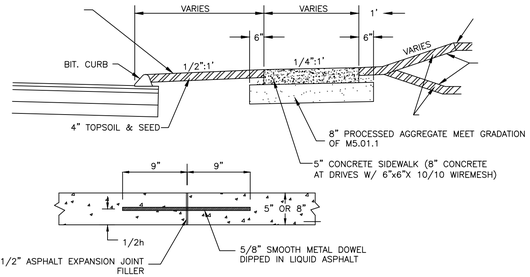
1. ALL CONCRETE FOR SIDEWALKS SHALL BE CLASS 'F'. MEET CONNECTICUT D.O.T. SPECIFICATIONS. REFER TO FORM 817.
2. CONCRETE SURFACE TO BE SCORED AT 5 FOOT INTERVALS.
3. EXPANSION JOINTS SHALL BE INSTALLED EVERY 15 FEET.
4. PROVIDE BROOMED FINISH PERPENDICULAR TO TRAVEL PATH

MONOLITHIC CONCRETE WALK AND CURB

N.T.S.



NOTE: DOWELS SHALL BE PLACED AT CONSTRUCTION JOINTS AND WHERE NEW CONCRETE MEETS EXISTING CONCRETE (SEE DETAIL).



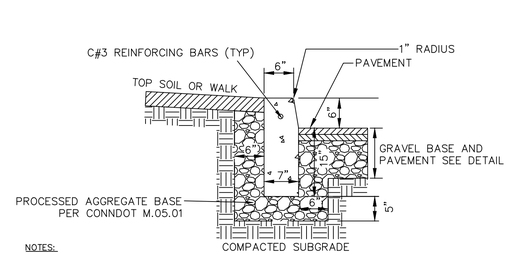
EXPANSION JOINT

NOTES:

1. ALL CONCRETE FOR SIDEWALKS SHALL BE CLASS 'F'. MEET CONNECTICUT D.O.T. SPECIFICATIONS. REFER TO FORM 817.
2. CONCRETE SURFACE TO BE SCORED AT 5 FOOT INTERVALS.
3. EXPANSION JOINTS SHALL BE INSTALLED EVERY 15 FEET.
4. PROVIDE BROOMED FINISH PERPENDICULAR TO TRAVEL PATH

CONCRETE SIDEWALK

N.T.S.

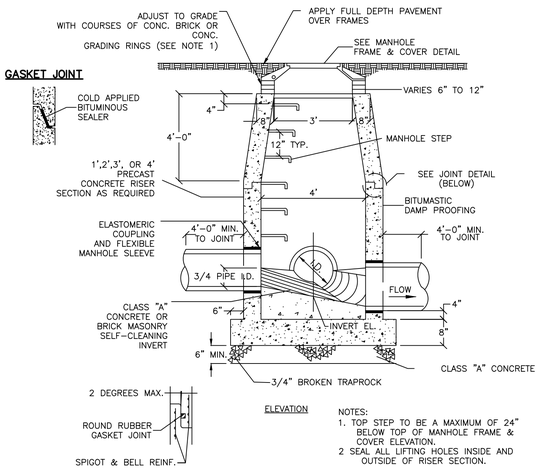


NOTES:

1. ALL CONCRETE FOR CURBS SHALL BE CLASS 'F'. MEET CONNECTICUT D.O.T. SPECIFICATIONS. REFER TO FORM 816.
2. THE END OF CURB SECTIONS SHALL BE CHAMFERED ½ INCH.
3. CURB, CURB CORNERS OR EDGING SHALL MATCH THE ADJACENT CURB IN SIZE, COLOR AND FINISH.
4. CURBS, CURB CORNERS OR EDGING SHALL BE FITTED TOGETHER AS CLOSELY AS POSSIBLE.
5. EXPANSION JOINTS SHALL BE INSTALLED AT A MAXIMUM OF 20 FEET ON CENTER USING PREFORMED EXPANSIONS JOINT FILLER HAVING A THICKNESS OF 1/2.

PRECAST CONCRETE CURB

N.T.S.

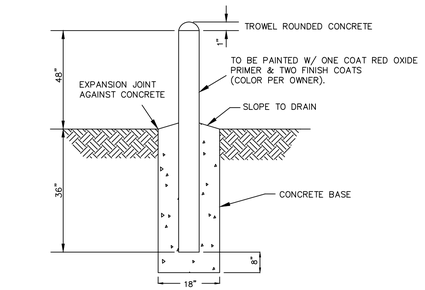


ELEVATION

NOTES:
1. TOP STEP TO BE A MAXIMUM OF 24" BELOW TOP OF MANHOLE FRAME & COVER ELEVATION.
2 SEAL ALL LIFTING HOLES INSIDE AND OUTSIDE OF RISER SECTION.

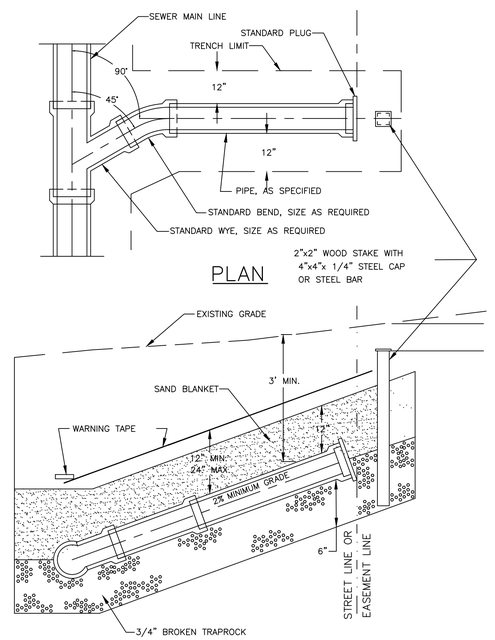
SANITARY MANHOLE

N.T.S



CONCRETE BOLLARD

N.T.S.

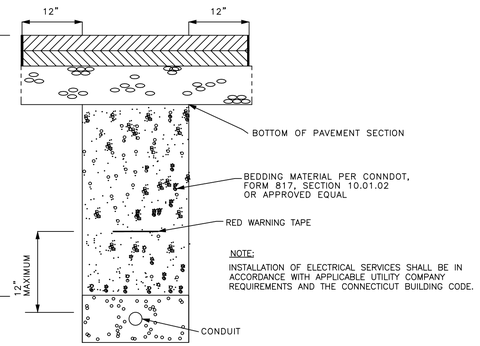


PLAN

PROFILE

BUILDING SEWER

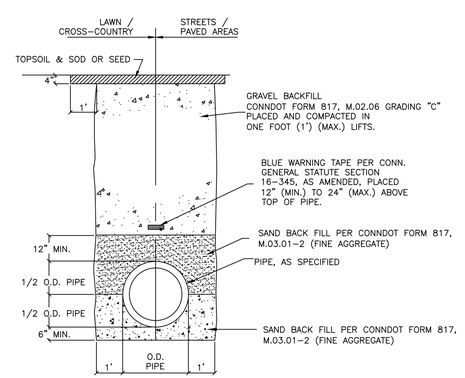
N.T.S.



NOTE:
INSTALLATION OF ELECTRICAL SERVICES SHALL BE IN ACCORDANCE WITH APPLICABLE UTILITY COMPANY REQUIREMENTS AND THE CONNECTICUT BUILDING CODE.

ELECTRIC TRENCH

N.T.S.



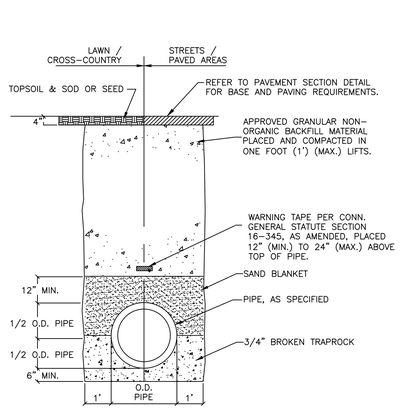
SECTION

NOTES:

FINAL INSTALLATION REQUIREMENTS FOR DOMESTIC WATER SUPPLY AND FIRE SERVICE MAINS SHALL BE COORDINATED WITH THE WATER COMPANY.

WATER TRENCH SECTION

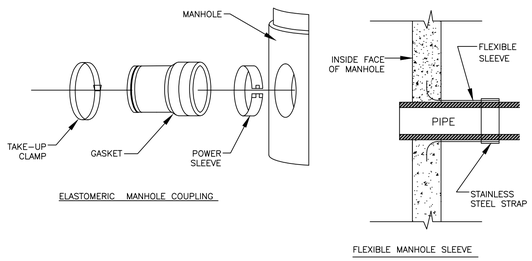
N.T.S



SECTION

SANITARY SEWER TRENCH SECTION

N.T.S



ELASTOMERIC MANHOLE COUPLING

FLEXIBLE MANHOLE SLEEVE

SANITARY LATERAL CONNECTION TO MANHOLE

N.T.S.

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

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6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.: 3530.M
DATE: 5/13/2020
DRAWN BY: BPW
CHK'D BY: DHI
DESIGNED BY: BPW

REVISIONS

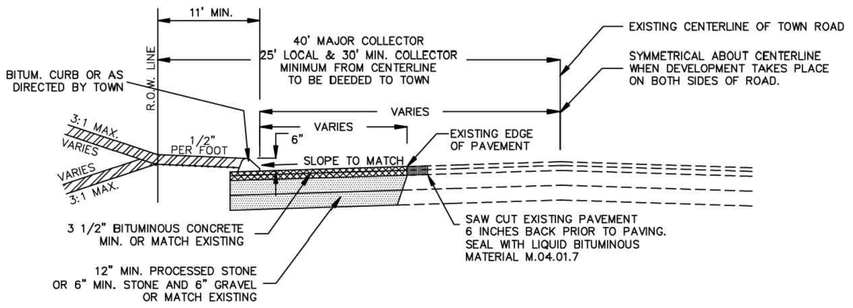
NO.	DATE		BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

DETAILS

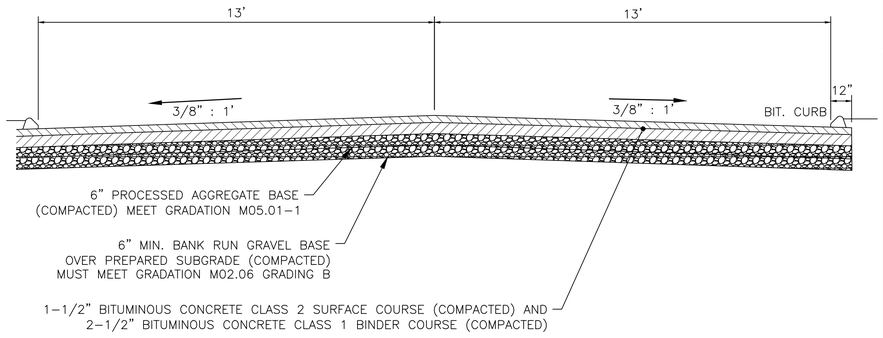
SHEET
C-D3
SHEET 16 OF 18

File: C:\Jobs\3530\Autocad\North Buildings\3530 North-Details.dwg Layout: 16 C-D3 Plotted: 5/22/2020 12:1 PM Last Saved: 5/22/2020 11:41 AM Last Saved By: RachelMeier



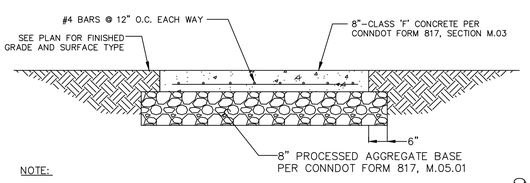
IMPROVEMENT TO EXISTING TOWN ROADWAY SECTION

N.T.S.



TYPICAL ROADWAY SECTION – PRIVATE STREET

N.T.S.

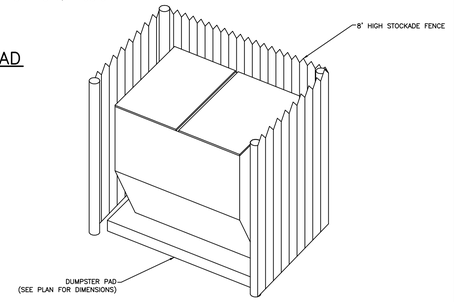


NOTE:

SEE SHEET SITE PLANS FOR LAYOUT AND DIMENSIONS.

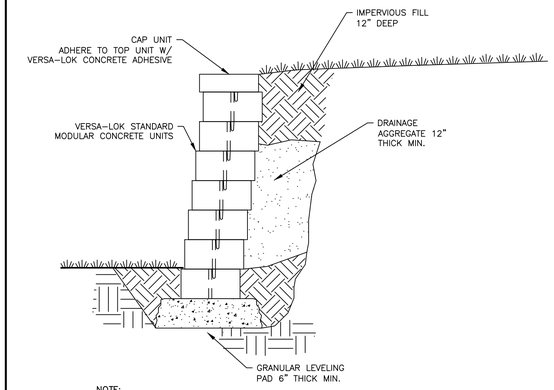
CONCRETE DUMPSTER PAD

N.T.S.



DUMPSTER PAD AND ENCLOSURE

N.T.S.

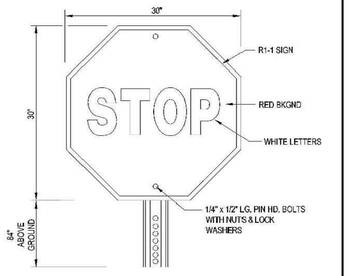


NOTE:

1. SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. FINAL PRODUCT AND DESIGN TO BE SPECIFIED BY A CONNECTICUT LICENSED PROFESSIONAL ENGINEER (BY OTHERS).
2. PROVIDE WEEP HOLES ALONG BASE WALL AS DIRECTED BY MANUFACTURER.

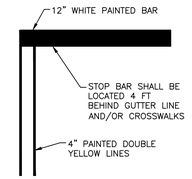
TYPICAL SECTION – SEGMENTAL CONCRETE RETAINING WALL

N.T.S.



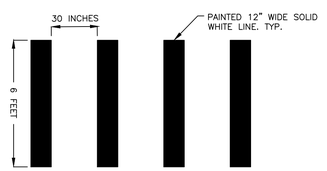
STOP SIGN

N.T.S.



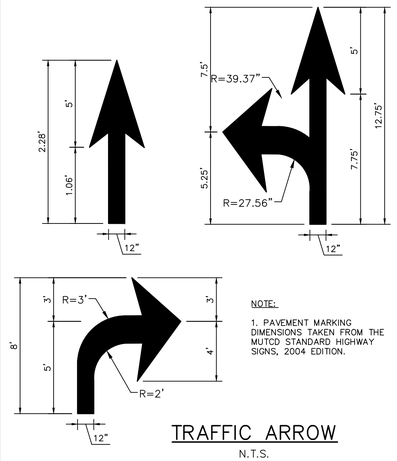
STOP BAR

N.T.S.



CROSS WALK

N.T.S.

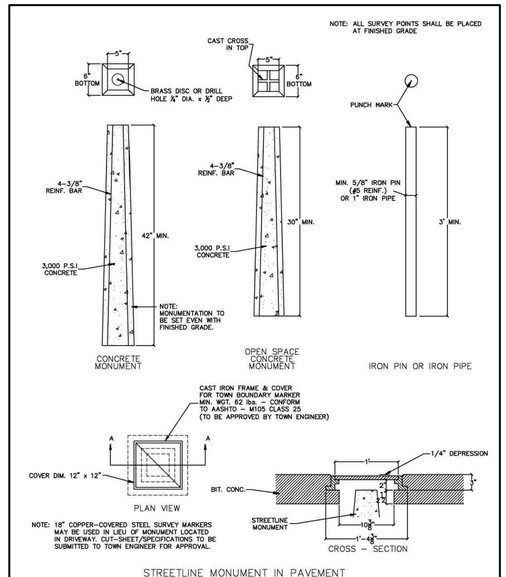


NOTE:

1. PAVEMENT MARKING DIMENSIONS TAKEN FROM THE MUTCD STANDARD HIGHWAY SIGNS, 2004 EDITION.

TRAFFIC ARROW

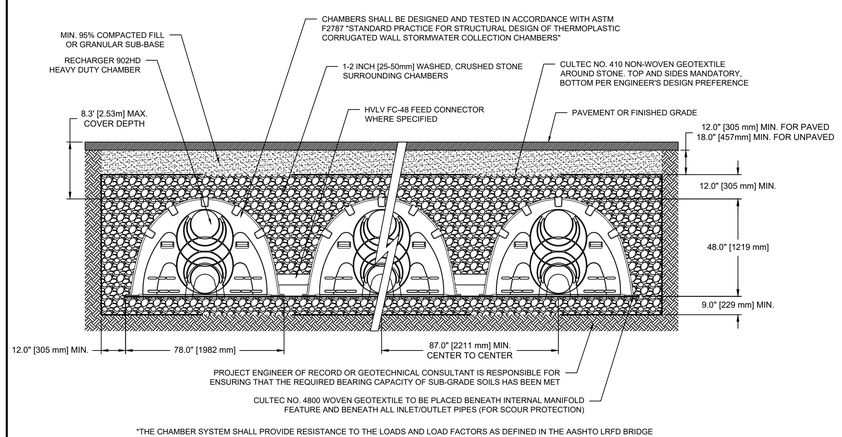
N.T.S.



STREETLINE MONUMENT IN PAVEMENT
COVER DETAIL

NOT TO SCALE

TOWN OF SOUTH WINDSOR STANDARD DETAIL	MONUMENTATION DETAILS	APPROVED
MARCH, 2005	REVISED:	PUBLIC WORKS DIRECTOR

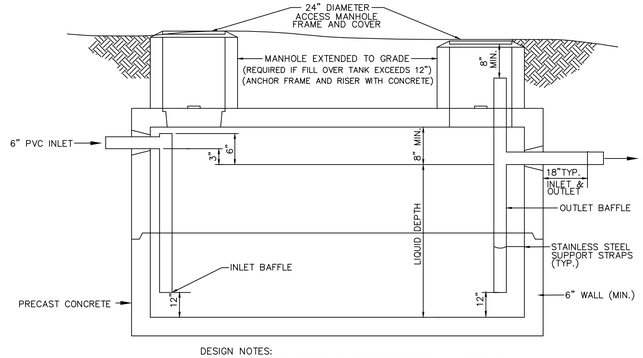


*THE CHAMBER SYSTEM SHALL PROVIDE RESISTANCE TO THE LOADS AND LOAD FACTORS AS DEFINED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12, WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

CULTEC R-902HD CHAMBERS

N.T.S.

NOTES:
1. UNDERDRAIN TO BE SET 1' OFF THE PERIMETER OF THE CHAMBER SYSTEM AND BE ENCASED IN A MINIMUM OF 2" CRUSHED STONE AND WRAPPED IN NON-WOVEN TEXTILE FABRIC. REFER TO PLAN FOR UNDERDRAIN LAYOUT.



DESIGN NOTES:
1. FINAL CAPACITY TO BE DETERMINED BY M/E/P ENGINEER
2. CONCRETE MINIMUM STRENGTH 4000 P.S.I., 28 DAYS, 4%-7% AIR ENTRAINMENT
3. CONSTRUCTION JOINT = SEALED WITH 1" DIA. BUTYL RUBBER OR EQUAL.
4. PIPE CONNECTIONS TO BE WATERTIGHT.
5. DESIGN LOADING = AASHTO H-20
6. COAT EXTERIOR SIDES, TOP, & BOTTOM WITH BITUMINOUS WATERPROOFING MATERIAL

PRECAST CONCRETE GREASE TRAP

N.T.S.

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
860-674-5624

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PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.	DATE	DRAWN BY:	DESIGNED BY:
3530.M	5/13/2020	BPW	CHH

NO.	DATE	REVISIONS	BY
1	5/22/2020	REVISED FOR P2C APPLICATION	REM

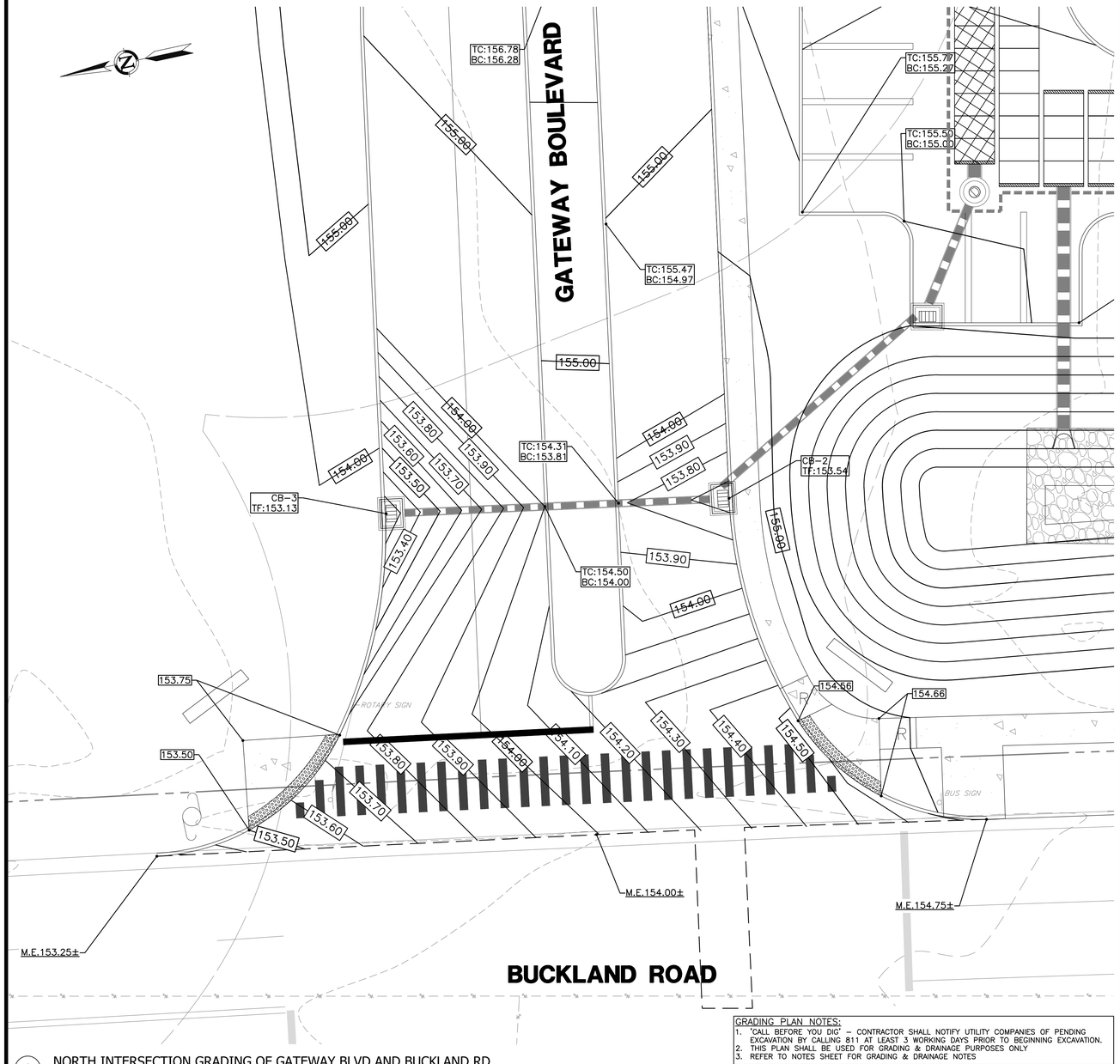
THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

DETAILS

SHEET
C-D4
SHEET 17 OF 18

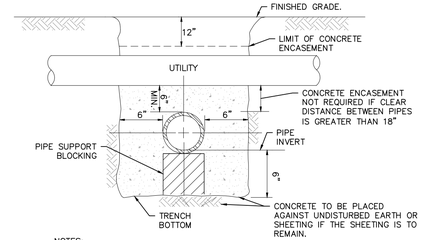
File: C:\jobs\3530\Autocad\North Buildings\3530 North-Details.dwg Layout: 17 C-D4 Plotted: 5/22/2020 1:21 PM Last Saved: 5/22/2020 11:41 AM Last Saved By: RachelMeier

REFERENCES:
THIS PLAN REFERS TO THE FOLLOWING:
1. PLAN ENTITLED "PROPERTY & TOPOGRAPHIC PLAN, 190 & 240 BUCKLAND ROAD AND 274 BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT" DATED 10/18/2018 AND 1/23/2020 PREPARED BY DESIGN PROFESSIONALS, INC.



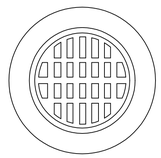
1 NORTH INTERSECTION GRADING OF GATEWAY BLVD AND BUCKLAND RD
Scale: 1" = 10'

GRADING PLAN NOTES:
1. 'CALL BEFORE YOU DIG' – CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION BY CALLING 811 AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING EXCAVATION.
2. THIS PLAN SHALL BE USED FOR GRADING & DRAINAGE PURPOSES ONLY
3. REFER TO NOTES SHEET FOR GRADING & DRAINAGE NOTES

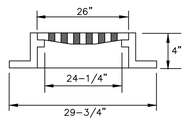


NOTES:
1. CONCRETE ENCASEMENT NOT REQUIRED IF CLEAR DISTANCE BETWEEN PIPES IS GREATER THAN 18"
2. PIPES MUST BE PLACED VERTICALLY AND HORIZONTALLY TO PREVENT FLOATING DURING PLACEMENT OF CONCRETE
3. ALL CONCRETE ENCASEMENTS SHALL BE KEPT 12" BELOW THE BOTTOM OF ASPHALT PAVEMENT.
4. CONCRETE SHALL EXTEND 1.5' IN EITHER DIRECTION OF CROSSING EXCEPT FOR WATER/SEWER CROSSINGS WHICH SHALL EXTEND 10' IN EITHER DIRECTION OF CROSSING.

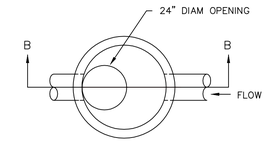
SEWER & STORM CROSSING
CONCRETE ENCASEMENT
N.T.S.



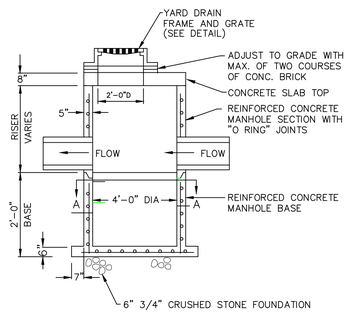
FRAME & GRATE TO BE:
Le BARON FOUNDRY MODEL LAM264
OR APPROVED EQUAL



YARD DRAIN
FRAME & GRATE
NOT TO SCALE



SECTION A–A



SECTION B–B

PRECAST STRUCTURE FOR YARDDRAIN
N.T.S.

PROPERTY OWNERS:
515 WEST MIDDLE TURNPIKE
C/O ASSOCIATES LIMITED PARTNERSHIP
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

1 MUNSON ROAD LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032

APPLICANT:
BUCKLAND EAST, LLC
6 EXECUTIVE DRIVE, SUITE 100
FARMINGTON, CT 06032
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PREPARED FOR:
Buckland East, LLC
6 Executive Drive
Suite 100
Farmington, CT 06032
860-674-5620 T

PROJECT NO.: 3530.M
DATE: 5/13/2020
DESIGNED BY: BPW
DRAWN BY: CHH
CHECKED BY: BPW

THE GATEWAY
SITE PLAN
220, 245, 265 & 270 GATEWAY BLVD.
SOUTH WINDSOR, CT
#15300190, #15300218, #15300240 & #15300274

NO.	DATE	REVISIONS	BY
1	5/22/2020	REVISED FOR PZC APPLICATION	REM

DETAILS

SHEET
C-D5
SHEET 18 OF 18

File: C:\Jobs\3530\Autocad\North Buildings\3530 North-Site Plan.dwg Layout: 18 C-D5 Plotted: 5/22/2020 1:12 PM Last Saved: 5/22/2020 12:49 PM Last Saved By: RacheMeier

NOTES:

1. PROPERTY IS IN THE GD ZONE.
2. THE PARCEL AT 240 BUCKLAND ROAD CONTAINS 426,538 SQUARE FEET OR 9.792 ACRES. THE PARCEL AT 190 BUCKLAND ROAD CONTAINS 565,921 SQUARE FEET OR 12.992 ACRES. THE PARCEL AT 218 BUCKLAND ROAD CONTAINS 48,888 SQUARE FEET OR 1.122 ACRES.
3. HORIZONTAL DATUM IS BASED ON NAD83. VERTICAL DATUM IS BASED ON NAVD88.
4. PROPERTIES DO NOT FALL WITHIN THE LIMITS OF A FLOOD HAZARD ZONE AS DEPICTED ON: "FIRM FLOOD INSURANCE RATE MAP TOWN OF SOUTH WINDSOR, CONNECTICUT, HARTFORD COUNTY PANEL 383 OF 675 COMMUNITY NUMBER 09003C0383F EFFECTIVE DATE: SEPTEMBER 26, 2008 FEDERAL EMERGENCY MANAGEMENT AGENCY, FEDERAL INSURANCE ADMINISTRATION.
5. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO DESIGN PROFESSIONALS, INC. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" FOR UNDERGROUND UTILITY MARKING AT LEAST TWO FULL WORKING DAYS PRIOR TO START OF CONSTRUCTION: 1-800-922-4455 OR WWW.CBYD.COM.

MAP REFERENCES:

1. PROPERTY & TOPOGRAPHIC SURVEY, 190 & 240 BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT DATED 10/15/2018 PREPARED FOR BY DESIGN PROFESSIONALS, INC.
2. ALDI SITE PLAN 200 GATEWAY BOULEVARD & 240 BUCKLAND ROAD – SOUTH WINDSOR CT MAP 27 LOTS 8 & 5 DATED 07/11/19 REVISED TO 9/17/19 PREPARED FOR BUCKLAND EAST, LLC BY DESIGN PROFESSIONALS, INC.
3. CHASE BANK LEASE AGREEMENT CONSTRUCTION PLANS 190, 206, 218 & 240 BUCKLAND ROAD – SOUTH WINDSOR – CT MAP 27 LOTS 8, 3, 4 & 5 DATED 05/08/19 REVISED TO 9/2/2019 PREPARED FOR 190 BUCKLAND ROAD, LLC BY DESIGN PROFESSIONALS, INC.
4. WATER EASEMENT PLAN THE CONNECTICUT WATER COMPANY 190, 206, 208, & 240 BUCKLAND ROAD SOUTH WINDSOR, CONNECTICUT DATE 11/22/2019 SCALE 1"=40' PREPARED FOR:METRO REALTY, LLC BY DESIGN PROFESSIONALS, INC.

SURVEY NOTES:

1. THIS SURVEY AND MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996 AND REVISED ON OCTOBER 26, 2018.
   - TYPE OF SURVEY IS AN EASEMENT SURVEY AND IS INTENDED TO DEPICT THE LOCATION OF EXISTING & PROPOSED EASEMENTS RELATIVE TO PROPERTY LINES.
   - THIS IS A INDEPENDENT RESURVEY BASED ON MAPS REFERENCED HEREON.
   - HORIZONTAL ACCURACY MEETS CLASS A-2 STANDARDS.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

BARRY D. CLARKE, L.S. — 16766 LIC. NO.

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PREPARED FOR:
Buckland East, LLC
6 Executive Drive, Suite 100
Farmington, CT 06032

PROJECT NO. 3530.M
DATE 5/19/19
SCALE 1"=40'
DRAWN BY: RMB
CHECKED BY: LRC

REVISIONS

NO.	DATE		BY
1	11/25/2019	REVISE WATER EASEMENT	RMB
2	1-15-2020	REVISE WATER EASEMENT	BDC
3	5/14/2020	REVISE ACCESS EASEMENT	RMB

190 BUCKLAND ROAD LLC, ROBIN C. HALVORSEN, & BOND & MICHELLE C. HALVORSEN, & MARION & ROY ROUNSEVILLE TRUSTEES

190, 206, 218, & 240 BUCKLAND ROAD
SOUTH WINDSOR, CONNECTICUT

EASEMENT PLAN

SCALE: 1" = 40'
0 20' 40' 80'

SHEET
EM-1

File: C:\Jobs\3530\Survey\3530M Esmt Base.dwg Layout: EM-1 Plotted: 5/20/2020 2:12 PM Last Saved: 5/20/2020 9:55 AM Last Saved By: RachelMeier

NOTES:

1. PROPERTY IS IN THE GD ZONE.
2. THE PARCEL AT 240 BUCKLAND ROAD CONTAINS 426,538 SQUARE FEET OR 9.792 ACRES. THE PARCEL AT 190 BUCKLAND ROAD CONTAINS 565,921 SQUARE FEET OR 12.992 ACRES. THE PARCEL AT 218 BUCKLAND ROAD CONTAINS 48,888 SQUARE FEET OR 1.122 ACRES.
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6. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" FOR UNDERGROUND UTILITY MARKING AT LEAST TWO FULL WORKING DAYS PRIOR TO START OF CONSTRUCTION: 1-800-922-4455 OR WWW.CBYD.COM.

MAP REFERENCES:

1. PROPERTY & TOPOGRAPHIC SURVEY, 190 & 240 BUCKLAND ROAD, SOUTH WINDSOR, CONNECTICUT DATED 10/15/2018 PREPARED FOR BY DESIGN PROFESSIONALS, INC.
2. ALDI SITE PLAN 200 GATEWAY BOULEVARD & 240 BUCKLAND ROAD – SOUTH WINDSOR CT MAP 27 LOTS8 & 5 DATED 07/11/19 REVISED TO 9/17/19 PREPARED FOR BUCKLAND EAST, LLC BY DESIGN PROFESSIONALS, INC.
3. CHASE BANK LEASE AGREEMENT CONSTRUCTION PLANS 190, 206, 218 & 240 BUCKLAND ROAD – SOUTH WINDSOR – CT MAP 27 LOTS 8, 3, 4 & 5 DATED 05/08/19 REVISED TO 9/2/2019 PREPARED FOR 190 BUCKLAND ROAD, LLC BY DESIGN PROFESSIONALS, INC.
4. WATER EASEMENT PLAN THE CONNECTICUT WATER COMPANY 190, 206, 208, & 240 BUCKLAND ROAD SOUTH WINDSOR, CONNECTICUT DATE 11/22/2019 SCALE 1"=40' PREPARED FOR:METRO REALTY, LLC BY DESIGN PROFESSIONALS, INC.
5. EASEMENT PLAN COMPILATION PLAN MAP SHOWING EASEMENT AREA TO BE GRANTED TO THE CONNECTICUT LIGHT AND POWER COMPANY DBA EVERSOURCE ENERGY ACROSS THE PROPERTY OF BUCKLAND EAST, LLC 190 BUCKLAND ROAD SCALE: 1"=40' DATE: 03/04/2020 FILE NO. E2013 DATE: 3-04-20 PREPARED FOR: BUCKLAND EAST, LLC BY DESIGN PROFESSIONALS, INC.
6. EASEMENT PLAN 190 BUCKLAND ROAD LLC, ROBIN C. BOND & MICHELLE C. HALVORSEN, & MARION & ROY ROUNSEVILLE 190, 206, 218, & 240 BUCKLAND ROAD SOUTH WINDSOR, CONNECTICUT DATE: 9/19/19 PREPARED FOR BUCKLAND EAST, LLC SCALE: 1"=40' REVISED TO 1-15/2020 BY DESIGN PROFESSIONALS, INC.

SURVEY NOTES:

1. THIS SURVEY AND MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996 AND REVISED ON OCTOBER 26, 2018.
   - TYPE OF SURVEY IS AN EASEMENT SURVEY AND IS INTENDED TO DEPICT THE LOCATION OF EXISTING & PROPOSED EASEMENTS RELATIVE TO PROPERTY LINES.
   - THIS IS A RESURVEY BASED ON MAPS REFERENCED HEREON.
   - HORIZONTAL ACCURACY MEETS CLASS A-2 STANDARDS.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

BARRY D. CLARKE, L.S. — 16766 LIC. NO.

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"Existing utility locations depicted hereon are based on available information and should be field verified prior to construction. Call Before You Dig 1-800-922-4455 or www.cbyd.com"

PREPARED FOR:
Buckland Gateway, LLC
6 Executive Drive,
Suite 100
Farmington, CT 06032

PROJECT NO.: 3530.M
DATE: 5/14/20
SCALE: AS SHOWN
DRAWN BY: RMB
CHECKED BY: LRC

REVISIONS

NO.	DATE	BY

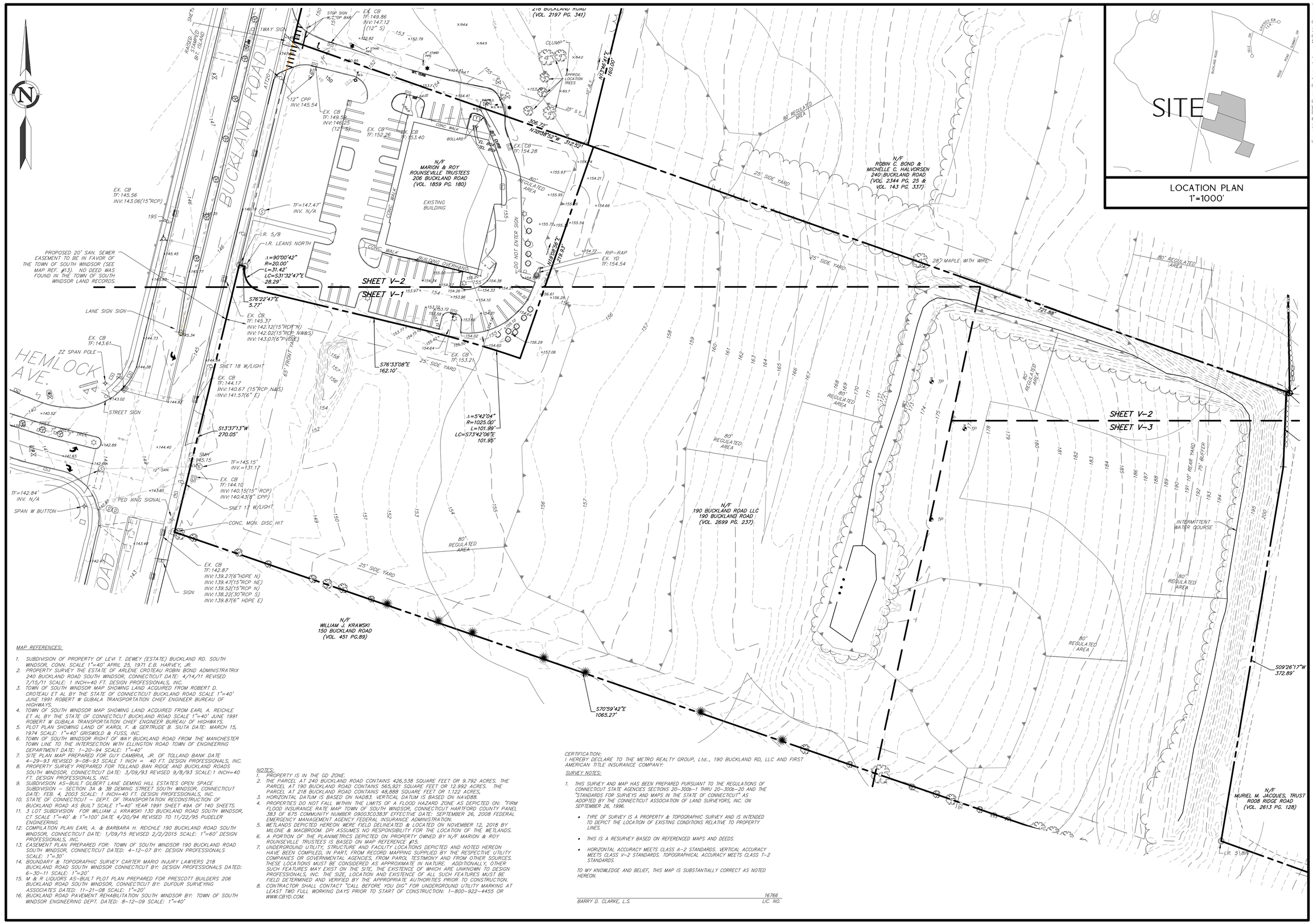
PRELIMINARY EASEMENT PLAN

SCALE: 1" = 40' (0, 20', 40', 80')

SHEET
EM-2

BUCKLAND GATEWAY, LLC
218 & 240 BUCKLAND ROAD
SOUTH WINDSOR, CONNECTICUT

File: C:\Jobs\3530\Survey\3530M Esmt Base.dwg Layout: EM-2 Plotted: 5/22/2020 2:11 PM Last Saved: 5/20/2020 9:55 AM Last Saved By: RachelWeier



LOCATION PLAN
1"=1000'

MAP REFERENCES:

1. SUBDIVISION OF PROPERTY OF LEVI T. DEWEY (ESTATE) BUCKLAND RD. SOUTH WINDSOR, CONN. SCALE 1"=40' APRIL 25, 1971 E.B. HARVEY, JR.
2. PROPERTY SURVEY THE ESTATE OF ARLENE CROTEAU ROBIN BOND ADMINISTRATRIX 240 BUCKLAND ROAD SOUTH WINDSOR, CONNECTICUT DATE: 4/14/11 REVISED 7/15/11 SCALE: 1 INCH=40 FT. DESIGN PROFESSIONALS, INC.
3. TOWN OF SOUTH WINDSOR MAP SHOWING LAND ACQUIRED FROM ROBERT D. CROTEAU ET AL BY THE STATE OF CONNECTICUT BUCKLAND ROAD SCALE 1"=40' JUNE 1991 ROBERT W GUBALA TRANSPORTATION CHIEF ENGINEER BUREAU OF HIGHWAYS.
4. TOWN OF SOUTH WINDSOR MAP SHOWING LAND ACQUIRED FROM EARL A. REICHLE ET AL BY THE STATE OF CONNECTICUT BUCKLAND ROAD SCALE 1"=40' JUNE 1991 ROBERT W GUBALA TRANSPORTATION CHIEF ENGINEER BUREAU OF HIGHWAYS.
5. PLOT PLAN SHOWING LAND OF KAROL F. & GERTRUDE B. SIUTA DATE: MARCH 15, 1974 SCALE: 1"=40' GRISWOLD & FUSS, INC.
6. TOWN OF SOUTH WINDSOR RIGHT OF WAY BUCKLAND ROAD FROM THE MANCHESTER TOWN LINE TO THE INTERSECTION WITH ELLINGTON ROAD TOWN OF ENGINEERING DEPARTMENT DATE: 1-20-94 SCALE: 1"=40'.
7. SITE PLAN MAP PREPARED FOR GUY CAMBRIA, JR. OF TOLLAND BANK DATE 4-29-93 REVISED 9-08-93 SCALE 1 INCH = 40 FT. DESIGN PROFESSIONALS, INC.
8. PROPERTY SURVEY PREPARED FOR TOLLAND BAN RIDGE AND BUCKLAND ROADS SOUTH WINDSOR, CONNECTICUT DATE: 3/09/93 REVISED 9/8/93 SCALE:1 INCH=40 FT. DESIGN PROFESSIONALS, INC.
9. SUBDIVISION AS-BUILT GILBERT LANE DEMING HILL ESTATES OPEN SPACE SUBDIVISION - SECTION 3A & 3B DEMING STREET SOUTH WINDSOR, CONNECTICUT DATE: FEB. 4, 2003 SCALE: 1 INCH=40 FT. DESIGN PROFESSIONALS, INC.
10. STATE OF CONNECTICUT - DEPT. OF TRANSPORTATION RECONSTRUCTION OF BUCKLAND ROAD AS BUILT SCALE 1"=40' YEAR 1991 SHEET 49A OF 140 SHEETS.
11. 3 LOT SUBDIVISION FOR WILLIAM J. KRAWSKI 130 BUCKLAND ROAD SOUTH WINDSOR, CT SCALE 1"=40' & 1"=100' DATE 4/20/94 REVISED TO 11/22/95 PUDELER ENGINEERING.
12. COMPILATION PLAN EARL A. & BARBARA H. REICHLE 190 BUCKLAND ROAD SOUTH WINDSOR, CONNECTICUT DATE: 1/09/15 REVISED 2/2/2015 SCALE: 1"=60' DESIGN PROFESSIONALS, INC.
13. EASEMENT PLAN PREPARED FOR: TOWN OF SOUTH WINDSOR 190 BUCKLAND ROAD SOUTH WINDSOR, CONNECTICUT DATED: 4-12-07 BY: DESIGN PROFESSIONALS SCALE: 1"=30'
14. BOUNDARY & TOPOGRAPHIC SURVEY CARTER MARIO INJURY LAWYERS 218 BUCKLAND ROAD SOUTH WINDSOR CONNECTICUT BY: DESIGN PROFESSIONALS DATED: 6-30-11 SCALE: 1"=20'
15. M & R LIQUORS AS-BUILT PLOT PLAN PREPARED FOR PRESCOTT BUILDERS 206 BUCKLAND ROAD SOUTH WINDSOR, CONNECTICUT BY: DUFOUR SURVEYING ASSOCIATES DATED: 11-21-08 SCALE: 1"=20'
16. BUCKLAND ROAD PAVEMENT REHABILITATION SOUTH WINDSOR BY: TOWN OF SOUTH WINDSOR ENGINEERING DEPT. DATED: 8-12-09 SCALE: 1"=40'

NOTES:

1. PROPERTY IS IN THE GD ZONE.
2. THE PARCEL AT 240 BUCKLAND ROAD CONTAINS 426,538 SQUARE FEET OR 9.792 ACRES. THE PARCEL AT 190 BUCKLAND ROAD CONTAINS 565,921 SQUARE FEET OR 12.992 ACRES. THE PARCEL AT 218 BUCKLAND ROAD CONTAINS 48,888 SQUARE FEET OR 1.122 ACRES.
3. HORIZONTAL DATUM IS BASED ON NAD83. VERTICAL DATUM IS BASED ON NAVD88.
4. PROPERTIES DO NOT FALL WITHIN THE LIMITS OF A FLOOD HAZARD ZONE AS DEPICTED ON: "FIRM FLOOD INSURANCE RATE MAP TOWN OF SOUTH WINDSOR, CONNECTICUT HARTFORD COUNTY PANEL 383 OF 675 COMMUNITY NUMBER 090033C0383F EFFECTIVE DATE: SEPTEMBER 26, 2008 FEDERAL EMERGENCY MANAGEMENT AGENCY FEDERAL INSURANCE ADMINISTRATION."
5. WETLANDS DEPICTED HEREON WERE FIELD DELINEATED & LOCATED ON NOVEMBER 12, 2018 BY MILONE & MACBROOM. DPI ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE WETLANDS.
6. A PORTION OF THE PLANIMETRICS DEPICTED ON PROPERTY OWNED BY N/F MARION & ROY ROUNSEVILLE TRUSTEES IS BASED ON MAP REFERENCE #15.
7. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO DESIGN PROFESSIONALS, INC. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" FOR UNDERGROUND UTILITY MARKING AT LEAST TWO FULL WORKING DAYS PRIOR TO START OF CONSTRUCTION: 1-800-922-4455 OR WWW.CBYD.COM.

CERTIFICATION:

I HEREBY DECLARE TO THE METRO REALTY GROUP, Ltd.., 190 BUCKLAND RD, LLC AND FIRST AMERICAN TITLE INSURANCE COMPANY:

SURVEY NOTES:

1. THIS SURVEY AND MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
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TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

BARRY D. CLARKE, L.S. — 16766 LIC. NO.

21 JEFFREY DRIVE
P.O. BOX 317
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860-291-8755 - T
860-291-8757 - F
www.designprofessionalsinc.com
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CIVIL & TRAFFIC ENGINEERS / PLANNERS / SURVEYORS
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- Existing utility locations depicted hereon are based on available information and should be field verified prior to construction.
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PREPARED FOR:
Metro Realty Group, LTD
6 Executive Drive
Farmington, Connecticut
06032

PROJECT NO.: 2930.M
DATE: 10/26/18
ISSUED BY:
DRAWN BY: BC
CHECKED BY: JRC

REVISIONS

NO.	DATE		BY
1	11-28-2018	INTERSECTION BUCKLAND RD. & HEMLOCK AVE.	BDC
2	01-31-2019	ADDITIONAL LOCATION WORK	RMB
3	02-25-2019	ADDED SANITARY AND SIDEWALK EASEMENTS	LRC
4	04-15-2019	ADDED CERTIFICATION BLOCK	LRC

REICHLE & BOND

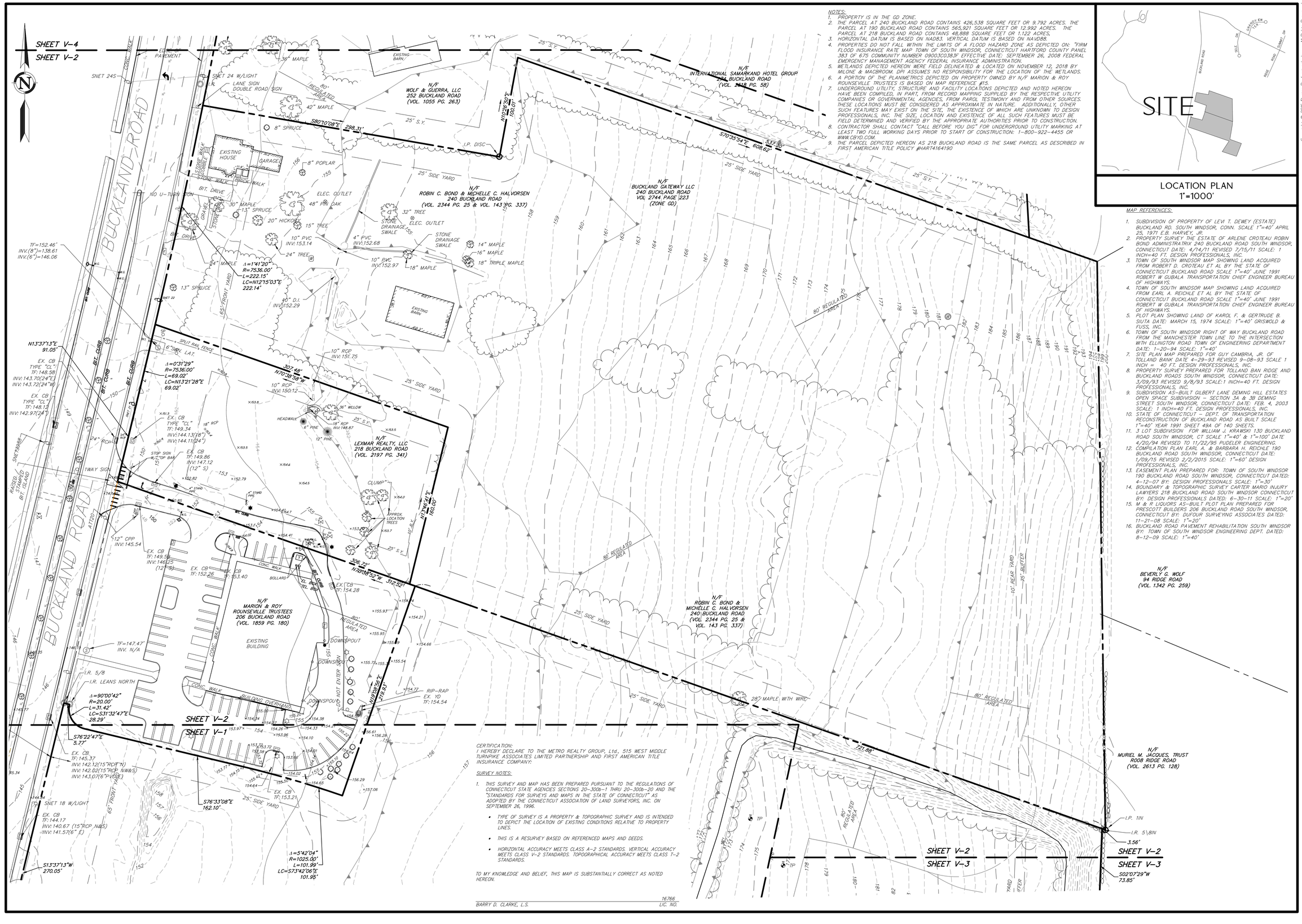
190 & 240 BUCKLAND ROAD
SOUTH WINDSOR, CONNECTICUT

PROPERTY & TOPOGRAPHIC SURVEY

SCALE: 1" = 40'
0 20' 40' 80'

SHEET
V-1

File: C:\jobs\3530\Survey\3530.M survey base.dwg Layout: Prop & Topo Plotted: 5/22/2020 2:06 PM Last Saved: 5/13/2020 1:46 PM Last Saved By: benwheeler



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9. THE PARCEL DEPICTED HEREON AS 218 BUCKLAND ROAD IS THE SAME PARCEL AS DESCRIBED IN FIRST AMERICAN TITLE POLICY #HART4164190

LOCATION PLAN
1"=1000'

MAP REFERENCES:

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16. BUCKLAND ROAD PAVEMENT REHABILITATION SOUTH WINDSOR BY: TOWN OF SOUTH WINDSOR ENGINEERING DEPT. DATED: 8-12-09 SCALE: 1"=40'

CERTIFICATION:
I HEREBY DECLARE TO THE METRO REALTY GROUP, Ltd., 515 WEST MIDDLE TURNPIKE ASSOCIATES LIMITED PARTNERSHIP AND FIRST AMERICAN TITLE INSURANCE COMPANY:

SURVEY NOTES:

1. THIS SURVEY AND MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
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TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

16766
BARRY D. CLARKE, L.S. LIC. NO.

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21 JEFFREY DRIVE
SUITE 201
SOUTH WINDSOR, CT 06074
860-291-8755 - T
860-432-0327 - F
www.designprofessionalsinc.com

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Existing utility locations depicted hereon are based on available information and should be field verified prior to construction.
Call before you dig. Dial 811 or 1-800-922-4455 at least two full working days before you start any excavation.
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PREPARED FOR:
Metro Realty Group, LTD
6 Executive Drive
Farmington, Connecticut
06032

PROJECT NO.: 3530-M
DATE: 10/15/18
DRAWN BY: BC
CHECKED BY: LRC

NO.	DATE	REVISIONS	BY
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2	01-31-2019	ADDITIONAL LOCATION WORK	RMB
3	02-25-2019	ADDED SANITARY AND SIDEWALK EASEMENTS	LRC
4	4-15-2019	ADDED CERTIFICATION BLOCK	LRC
5	10-29-2019	CERTIFICATION AND NOTE FOR #218 BUCKLAND RD	BDC

REICHLE & BOND

190 & 240 BUCKLAND ROAD,
SOUTH WINDSOR, CONNECTICUT

PROPERTY & TOPOGRAPHIC SURVEY

SCALE: 0 20' 40' 80'
1" = 40'

SHEET
V-2

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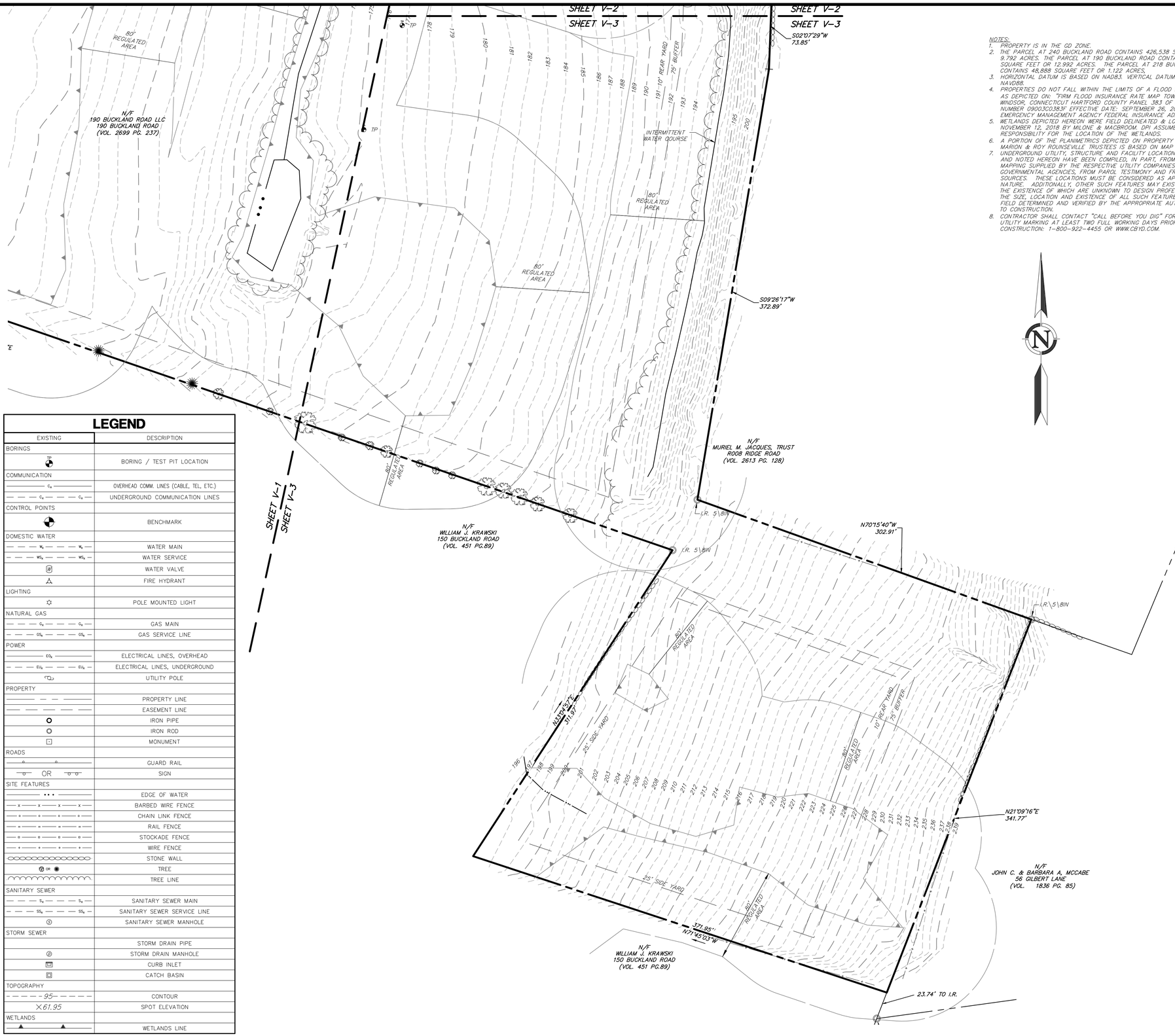

LEGEND

EXISTING	DESCRIPTION
BORINGS	
TP	BORING / TEST PIT LOCATION
COMMUNICATION	
C_x	OVERHEAD COMM. LINES (CABLE, TEL, ETC.)
C_x — C_x — C_x	UNDERGROUND COMMUNICATION LINES
CONTROL POINTS	
	BENCHMARK
DOMESTIC WATER	
W_x	WATER MAIN
WS_x	WATER SERVICE
	WATER VALVE
	FIRE HYDRANT
LIGHTING	
	POLE MOUNTED LIGHT
NATURAL GAS	
G_x	GAS MAIN
GS_x	GAS SERVICE LINE
POWER	
EO_x	ELECTRICAL LINES, OVERHEAD
EU_x	ELECTRICAL LINES, UNDERGROUND
	UTILITY POLE
PROPERTY	
	PROPERTY LINE
	EASEMENT LINE
	IRON PIPE
	IRON ROD
	MONUMENT
ROADS	
	GUARD RAIL
OR	SIGN
SITE FEATURES	
	EDGE OF WATER
x x x	BARBED WIRE FENCE
	CHAIN LINK FENCE
	RAIL FENCE
	STOCKADE FENCE
	WIRE FENCE
	STONE WALL
OR	TREE
	TREE LINE
SANITARY SEWER	
S_x	SANITARY SEWER MAIN
SS_x	SANITARY SEWER SERVICE LINE
	SANITARY SEWER MANHOLE
STORM SEWER	
	STORM DRAIN PIPE
	STORM DRAIN MANHOLE
	CURB INLET
	CATCH BASIN
TOPOGRAPHY	
95	CONTOUR
×61.95	SPOT ELEVATION
WETLANDS	
	WETLANDS LINE

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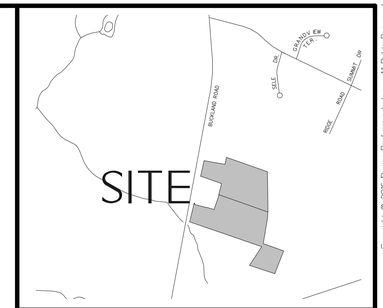

LOCATION PLAN
1"=1000'

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16766
BARRY D. CLARKE, L.S. — LIC. NO.

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21 JEFFREY DRIVE
EAST LYME, CT 06333
SOUTH WINDSOR, CT 06074
860-291-8755 - T
860-291-8757 - F
www.designprofessionalsinc.com
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• Contractor is responsible for contacting all utility companies for location of utilities prior to excavation.
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PREPARED FOR:
Metro Realty Group, LTD
6 Executive Drive
Farmington, Connecticut
06032

PROJECT NO: 3530.M
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REICHLE & BOND
190 & 240 BUCKLAND ROAD
SOUTH WINDSOR, CONNECTICUT

NO.	DATE	REVISIONS	BY
1	11-29-2018	INTERSECTION BUCKLAND RD. & HEMLOCK AVE.	BDC
2	01-31-2019	ADDITIONAL LOCATION WORK	RMB
3	02-25-2019	ADDED SANITARY AND SIDEWALK EASEMENTS	LRC
4	04-15-2019	ADDED CERTIFICATION BLOCK	LRC

PROPERTY & TOPOGRAPHIC SURVEY

SCALE: 1" = 40'
0 20' 40' 80'

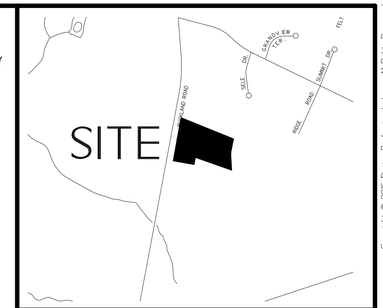
SHEET
V-3

File: C:\Jobs\3530\Survey\3530M survey base.dwg Layout: Prop & Topo 3 Plotted: 5/22/2020 2:09 PM Last Saved: 5/13/2020 1:46 PM Last Saved By: benwheeler

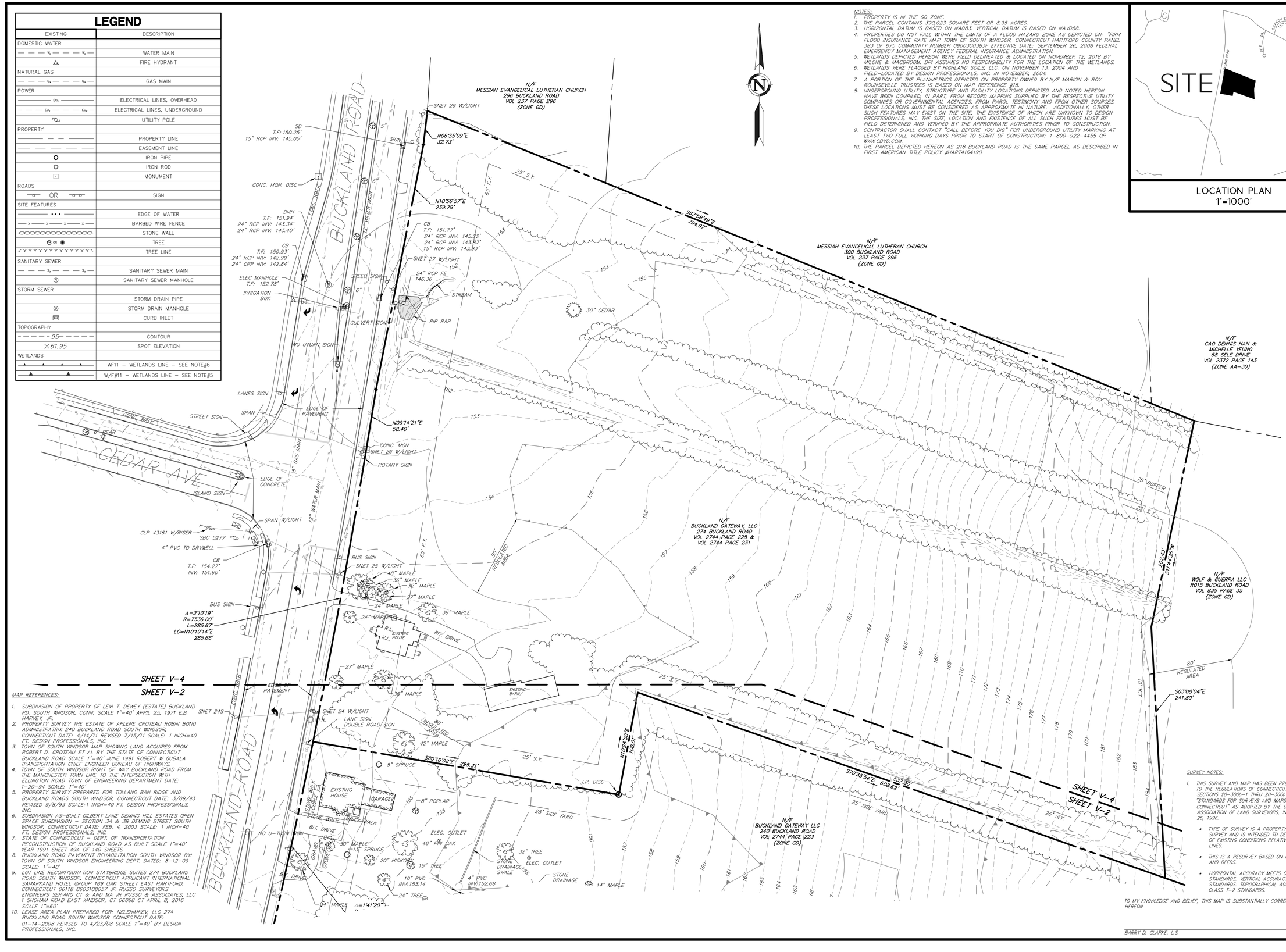
LEGEND

EXISTING	DESCRIPTION
DOMESTIC WATER	
— — — W_8 — — — W_8 —	WATER MAIN
	FIRE HYDRANT
NATURAL GAS	
— — — G_4 — — — G_4 —	GAS MAIN
POWER	
——— OE_8 ———	ELECTRICAL LINES, OVERHEAD
— — — UE_8 — — — UE_8 —	ELECTRICAL LINES, UNDERGROUND
	UTILITY POLE
PROPERTY	
——— — — ———	PROPERTY LINE
——— ——— ——— ——— ———	EASEMENT LINE
	IRON PIPE
	IRON ROD
	MONUMENT
ROADS	
OR	SIGN
SITE FEATURES	
——— • • • ———	EDGE OF WATER
— x — x — x — x —	BARBED WIRE FENCE
	STONE WALL
OR	TREE
	TREE LINE
SANITARY SEWER	
— — — S_8 — — — S_8 —	SANITARY SEWER MAIN
	SANITARY SEWER MANHOLE
STORM SEWER	
	STORM DRAIN PIPE
	STORM DRAIN MANHOLE
	CURB INLET
TOPOGRAPHY	
– – – – – 95 – – – – –	CONTOUR
X61.95	SPOT ELEVATION
WETLANDS	
	WF11 – WETLANDS LINE – SEE NOTE#6
	W/F#11 – WETLANDS LINE – SEE NOTE#5

NOTES:
1. PROPERTY IS IN THE GD ZONE.
2. THE PARCEL CONTAINS 390,023 SQUARE FEET OR 8.95 ACRES.
3. HORIZONTAL DATUM IS BASED ON NAD83. VERTICAL DATUM IS BASED ON NAVD88.
4. PROPERTIES DO NOT FALL WITHIN THE LIMITS OF A FLOOD HAZARD ZONE AS DEPICTED ON: "FIRM FLOOD INSURANCE RATE MAP TOWN OF SOUTH WINDSOR, CONNECTICUT HARTFORD COUNTY PANEL 383 OF 675 COMMUNITY NUMBER 0900,3C0,383F EFFECTIVE DATE: SEPTEMBER 26, 2008 FEDERAL EMERGENCY MANAGEMENT AGENCY FEDERAL INSURANCE ADMINISTRATION.
5. WETLANDS DEPICTED HEREON WERE FIELD DELINEATED & LOCATED ON NOVEMBER 12, 2018 BY MILONE & MACBROOM. DPI ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE WETLANDS.
6. WETLANDS WERE FLAGGED BY HIGHLAND SOILS, LLC. ON NOVEMBER 13, 2004 AND FIELD-LOCATED BY DESIGN PROFESSIONALS, INC. IN NOVEMBER, 2004.
7. A PORTION OF THE PLANIMETRICS DEPICTED ON PROPERTY OWNED BY N/F MARION & ROY ROUNSEVILLE TRUSTEES IS BASED ON MAP REFERENCE #15.
8. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO DESIGN PROFESSIONALS INC. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" FOR UNDERGROUND UTILITY MARKING AT LEAST TWO FULL WORKING DAYS PRIOR TO START OF CONSTRUCTION: 1-800-922-4455 OR WWW.CBYD.COM.
10. THE PARCEL DEPICTED HEREON AS 218 BUCKLAND ROAD IS THE SAME PARCEL AS DESCRIBED IN FIRST AMERICAN TITLE POLICY #HART4164190



LOCATION PLAN
1"=1000'



MAP REFERENCES:

1. SUBDIVISION OF PROPERTY OF LEVI T. DEWEY (ESTATE) BUCKLAND RD. SOUTH WINDSOR, CONN. SCALE 1"=40' APRIL 25, 1971 E.B. HARVEY, JR.
2. PROPERTY SURVEY THE ESTATE OF ARLENE CROTEAU ROBIN BOND ADMINISTRATRIX 240 BUCKLAND ROAD SOUTH WINDSOR, CONNECTICUT DATE: 4/14/11 REVISED 7/15/11 SCALE: 1 INCH=40 FT. DESIGN PROFESSIONALS, INC.
3. TOWN OF SOUTH WINDSOR MAP SHOWING LAND ACQUIRED FROM ROBERT D. CROTEAU ET AL BY THE STATE OF CONNECTICUT BUCKLAND ROAD SCALE 1"=40' JUNE 1991 ROBERT W GUBALA TRANSPORTATION CHIEF ENGINEER BUREAU OF HIGHWAYS.
4. TOWN OF SOUTH WINDSOR RIGHT OF WAY BUCKLAND ROAD FROM THE MANCHESTER TOWN LINE TO THE INTERSECTION WITH ELLINGTON ROAD TOWN OF ENGINEERING DEPARTMENT DATE: 1-20-94 SCALE: 1"=40'
5. PROPERTY SURVEY PREPARED FOR TOLLAND BAN RIDGE AND BUCKLAND ROADS SOUTH WINDSOR, CONNECTICUT DATE: 3/09/93 REVISED 9/8/93 SCALE:1 INCH=40 FT. DESIGN PROFESSIONALS, INC.
6. SUBDIVISION AS-BUILT GILBERT LANE DEMING HILL ESTATES OPEN SPACE SUBDIVISION - SECTION 3A & 3B DEMING STREET SOUTH WINDSOR, CONNECTICUT DATE: FEB. 4, 2003 SCALE: 1 INCH=40 FT. DESIGN PROFESSIONALS, INC.
7. STATE OF CONNECTICUT - DEPT. OF TRANSPORTATION RECONSTRUCTION OF BUCKLAND ROAD AS BUILT SCALE 1"=40' YEAR 1991 SHEET 49A OF 140 SHEETS.
8. BUCKLAND ROAD PAVEMENT REHABILITATION SOUTH WINDSOR BY: TOWN OF SOUTH WINDSOR ENGINEERING DEPT. DATED: 8-12-09 SCALE: 1"=40'
9. LOT LINE RECONFIGURATION STAYBRIDGE SUITES 274 BUCKLAND ROAD SOUTH WINDSOR, CONNECTICUT APPLICANT INTERNATIONAL SAMARKAND HOTEL GROUP 189 OAK STREET EAST HARTFORD, CONNECTICUT 06118 8603108057 JR RUSSO SURVEYORS ENGINEERS SERVING CT & AND MA JR RUSSO & ASSOCIATES, LLC 1 SHOHAM ROAD EAST WINDSOR, CT 06068 CT APRIL 8, 2016 SCALE 1"=60'
10. LEASE AREA PLAN PREPARED FOR: NELSHIMKEV, LLC 274 BUCKLAND ROAD SOUTH WINDSOR CONNECTICUT DATE: 01-14-2008 REVISED TO 4/23/08 SCALE 1"=40' BY DESIGN PROFESSIONALS, INC.

SURVEY NOTES:

1. THIS SURVEY AND MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
   - TYPE OF SURVEY IS A PROPERTY & TOPOGRAPHIC SURVEY AND IS INTENDED TO DEPICT THE LOCATION OF EXISTING CONDITIONS RELATIVE TO PROPERTY LINES.
   - THIS IS A RESURVEY BASED ON REFERENCED MAPS AND DEEDS.
   - HORIZONTAL ACCURACY MEETS CLASS A-2 STANDARDS. VERTICAL ACCURACY MEETS CLASS V-2 STANDARDS. TOPOGRAPHICAL ACCURACY MEETS CLASS T-2 STANDARDS.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

BARRY D. CLARKE, L.S. — 16766 LIC. NO.

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21 JEFFREY DRIVE
P.O. BOX 1757
SOUTH WINDSOR, CT 06074
860-291-8755 - T
860-644-2136 - F
www.designprofessionalsinc.com
design professionals
CIVIL & TRAFFIC ENGINEERS / PLANNERS / SURVEYORS
GIS ANALYSTS / LANDSCAPE ARCHITECTS

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• Existing utility locations depicted hereon are based on available information and should be field verified prior to construction.
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NO.	DATE	REVISIONS	BY

PREPARED FOR:
Metro Realty Group, LTD
6 Executive Drive
Farmington, Connecticut
06032

PROJECT NO.: 3530.M
DATE: 1/23/20
ISSUED FOR:
DRAWN BY: BDC
DESIGNED BY: LRC

BUCKLAND GATEWAY LLC.

274 BUCKLAND ROAD
SOUTH WINDSOR, CONNECTICUT

PROPERTY & TOPOGRAPHIC SURVEY

SCALE: 0 20' 40' 80'
1" = 40'

SHEET
V-4

File: C:\jobs\3530\Survey\3530M survey base.dwg Layout: Prop & Topo 274 BUCKLAND ROAD Plotted: 5/22/2020 2:08 PM Last Saved: 5/13/2020 1:46 PM Last Saved By: benwheeler

RETAIL

RETAIL

MATCH LINE
MATCH LINE

LAWN-SEED MIX. TYPE I

BASIN SLOPE-SEED MIX. TYPE II

WETLAND CREATION-SEED MIX. TYPE III

ANNUALS

DOUBLE LIGHT

SINGLE LIGHT

SINGLE

APPR.	DATE	DESCRIPTION OF REVISION	REV.

CR2 STUDIO AT Loureiro
LANDSCAPE ARCHITECTURE • SITE PLANNING
100 Northwest Drive • Plainville, Connecticut 06062
860.747.7858 • Fax 860.747.7863 • www.Loureiro.com
An Employee Owned Company • Associates Inc.

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SCALE 1"=20'
COMM. NO.
DRAWN BY JGS
DATE 05/22/2020
APPROVED BY HWW
DATE 05/22/2020

SITE PLANTING PLAN

THE GATEWAY

220, 245, 265 & 270 Buckland Drive - South Windsor, CT.
Buckland East, LLC
6 Executive Drive Suite 100 - Farmington, CT.

DRAWING
L.1

SHEET NO.
NO. OF SHEETS

RETAIL

RETAIL

MATCH LINE

MATCH LINE

LAWN

ANNUALS

SINGLE LIGHT

DOUBLE LIGHT

LAWN-SEED MIX. TYPE I

WETLAND CREATION-SEED MIX. TYPE III

BASIN SLOPE-SEED MIX. TYPE II

REV.	DESCRIPTION OF REVISION	DATE	APPR.

SCALE: 1" = 20'

COMM. NO.

DRAWN BY: JGS — DATE: 05/22/2020

APPROVED BY: HWW — DATE: 05/22/2020

SITE PLANTING PLAN

THE GATEWAY

220, 245, 265 & 270 Buckland Drive - South Windsor, CT.
Buckland East, LLC
6 Executive Drive Suite 100 - Farmington, CT.

DRAWING: **L.2**

SHEET NO.

NO. OF SHEETS

SLOPE-SEED MIX, TYPE II - TYP.

SLOPE-SEED MIX, TYPE II - TYP.

CROSS SECTION
SEE L.5

MEDICAL OFFICE

MEDICAL OFFIC

MATCH LINE
MATCH LINE

LAWN

MULCH

ANNUALS

SINGLE LIGHT-

DOUBLE LIGHT-

DOUBLE LIGHT-TYP.

SITE PLANTING PLAN

THE GATEWAY

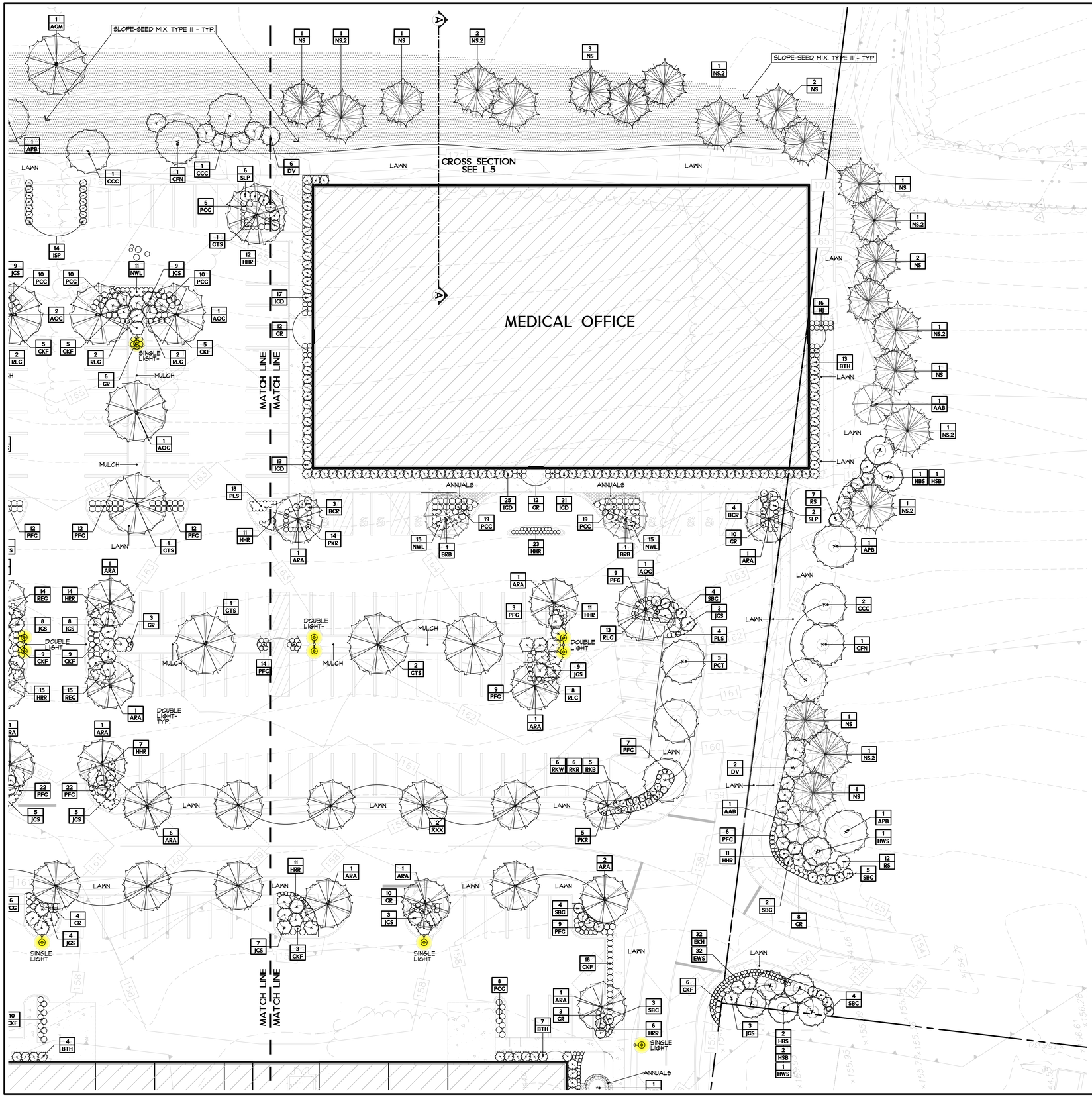
220, 245, 265 & 270 Buckland Drive - South Windsor, CT.
Buckland East, LLC
6 Executive Drive Suite 100 - Farmington, CT.

SCALE	1"=20'
COMM. NO.	
DRAWN BY	JGS
APPROVED BY	HWW
DATE	05/22/2020
DATE	05/22/2020

DRAWING
L.3

SHEET NO.
NO. OF SHEETS

APPR.
DATE
DESCRIPTION OF REVISION
REV.



GENERAL NOTES PLANTING:

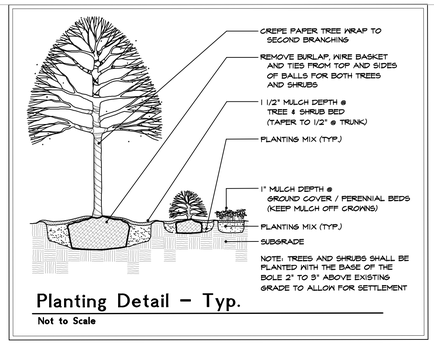
1. AS CONSTRUCTION PROCEEDS, FINE GRADE AND SEED OR SOD AS SOON AS POSSIBLE TO REDUCE RUNOFF.
2. ALL PLANTING BEDS TO BE TOPSOILED TO A DEPTH OF 12".
3. IN ALL SHRUB BEDS TO RECEIVE MASS PLANTING, PROVIDE PINE BARK MULCH AS DETAILED. ESTABLISH A NEAT, SMOOTH EDGE BETWEEN MULCH AND LAWN.
4. ADJUSTMENTS IN THE LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO LOCATIONS OF UTILITIES. ADJUSTMENTS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
5. PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLAN DRAWINGS; THE QUANTITIES IN THE PLANT LIST ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF DISCREPANCIES OCCUR, THE DRAWING SYMBOLS PREVAIL OVER THE PLANT LIST QUANTITIES.

SEEDING NOTES:

1. SEED MIXTURE TYPE I (LAWN AREAS)
   BLUEGRASS BLEND (3 VARIETIES) 50% OF MIXTURE
   CHEWING RED FESCUE 50% OF MIXTURE
   PERENNIAL RYEGRASS 50% OF MIXTURE
   APPLICATION RATE: 4.50 LBS. PER 1000 S.F.
2. SEED MIXTURE TYPE II (BASIN SLOPES)
   RETENTION BASIN WILDLIFE MIX - ERMIX-127
   BY: ERNST CONSERVATION SEEDS, 9006 MERCER PIKE, MEADVILLE PA 16335 (800) 873-3321
   APPLICATION RATE: 0.50 LBS. PER 1000 S.F., 20 LBS. PER ACRE
3. SEED MIXTURE TYPE III (WETLAND CREATION AREA)
   OBL WETLAND MIX
   BY: ERNST CONSERVATION SEEDS, 9006 MERCER PIKE, MEADVILLE PA 16335 (800) 873-3321
   APPLICATION RATE: 0.50 LBS. PER 1000 S.F., 20 LBS. PER ACRE
4. BASIN SIDE SLOPES SHALL HAVE A MINIMUM OF 6" OF "TRACKED" TOPSOIL UNLESS OTHERWISE NOTED.
5. SEED MIXES IN AND AROUND DETENTION BASINS SHALL BE SUBSTANTIALLY ESTABLISHED PRIOR TO DISCHARGING RUNOFF FROM THE STORMWATER SYSTEM.
6. SEEDING OF BASIN SLOPES (SEEDING MIXTURE TYPE II) SHALL BE BY HYDROSEEDING AND HYDRO-MULCHING. ADD AN ADDITIONAL 15% TO SEEDING MIXTURE WHEN HYDO-SEEDING IS USED. HYDRO-MULCH SHALL BE EQUAL TO CONWED 2000 AND APPLIED AT THE RATE OF 1,400 LBS. PER ACRE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SEEDED AREAS UNTIL SATISFACTORY GROWTH AS DETERMINED BY THE OWNER. REPLANT BARE ROOT AND REPAIR ERODED AREAS UNTIL END OF MAINTENANCE PERIOD.

PLANT LIST

SYM.	QTY.	TECHNICAL NAME	COMMON NAME	SIZE	COND.
DECIDUOUS TREES					
APB	2	ACER PALMATUM 'BLOODGOOD'	BLOODGOOD JAPANESE MAPLE	6'-8' HT.	B&B
AER	2	ACER PALMATUM DISSECTUM 'EVER RED'	EVER RED THREADLEAF JAPANESE MAPLE	10 GAL.	B&B
ARA	56	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG' RED MAPLE	2½"-3" CAL.	B&B
AOS	15	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2½"-3" CAL.	B&B
ASM	1	ACER SACCHARUM 'GREEN MOUNTAIN'	GREEN MOUNTAIN SUGAR MAPLE	2½"-3" CAL.	B&B
AAB	8	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SHADBLOW (SINGLE STEM)	6'-8' HT.	B&B
BRB	28	BETULA NIGRA 'BMTF'	DURA HEAT RIVER BIRCH (MULTI STEM)	12'-14' HT.	B&B
CCC	7	CORNUS FLORIDA 'CHEROKEE CHIEF'	STELLAR PINK DOGWOOD	2"-2½" CAL.	B&B
CFN	2	CORNUS FLORIDA 'CLOUD NINE'	CELESTIAL DOGWOOD	2"-2½" CAL.	B&B
GTS	12	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	2½"-3" CAL.	B&B
PCT	13	PRUNUS CERASIFERA 'THUNDERCLOUD'	THUNDERCLOUD PLUM	2"-2½" CAL.	B&B
PCG	8	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER FLOWERIS PEAR	2"-2½" CAL.	B&B
EVERGREEN TREES					
NS	25	PICEA ABIES	NORWAY SPRUCE	6'-7' HT.	B&B
NS.2	20	PICEA ABIES	NORWAY SPRUCE	8'-10' HT.	B&B
EVERGREEN SHRUBS					
BCR	19	BERBERIS THUNBERGII 'CRIMSON RUBY'	CRIMSON RUBY BARBERRY	2 GAL.	CONT.
BTH	25	BUXUS MICROPHYLLA 'TIDE HILL'	TIDE HILL BOXWOOD	2 GAL.	CONT.
CVS	2	CHAMECYPARIS PISIFERA 'VINTAGE GOLD'	VINTAGE GOLD CYPRESS	3'-4' HT.	B&B
ISD	172	ILEX CRENATA 'DENSA'	DENSA INKBERRY	3 GAL.	CONT.
ISP	33	ILEX CRENATA 'SKY PENCIL'	SKY PENCIL JAPANESE HOLLY	3 GAL.	CONT.
ISI	61	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY	3 GAL.	CONT.
ICB	3	ILEX 'MESDOB' CHINA BOY	CHINA BOY HOLLY	3'-4' HT.	B&B
ICG	5	ILEX 'MESOG' CHINA GIRL	CHINA GIRL HOLLY	3'-4' HT.	B&B
JSL	86	JUNIPERUS CHINENSIS 'GOLD LACE'	GOLD LACE JUNIPER	3 GAL.	CONT.
JSS	136	JUNIPERUS CHINENSIS 'GOLD STAR'	GOLD STAR JUNIPER	3 GAL.	CONT.
RIS	20	RHODODENDRON 'SCINTILLATION'	SCINTILLATION RHODODENDRON	5 GAL.	CONT.
TDY	15	TAXUS CUSPIDATA 'DENSIFORMIS'	DENSE SPREADING YEW	18"-24" SPR.	B&B
DECIDUOUS SHRUBS					
HBS	5	HIBISCUS SYRIACUS 'MARINA'	BLUE SATIN ROSE OF SHARON	4'-5' HT.	B&B
HSB	4	HIBISCUS SYRIACUS 'MATHILDE'	BLUSH SATIN ROSE OF SHARON	4'-5' HT.	B&B
HWS	1	HIBISCUS SYRIACUS 'NOTWOODTWO'	WHITE SATIN ROSE OF SHARON	4'-5' HT.	B&B
RKB	24	ROSA 'KNOCKOUT' BLUSHING	BLUSHING KNOCKOUT ROSE	3 GAL.	CONT.
RKR	74	ROSA 'KNOCKOUT' DOUBLE RED'	DOUBLE RED KNOCKOUT ROSE	3 GAL.	CONT.
RKW	24	ROSA 'KNOCKOUT' WHITE OWL'	WHITE OWL KNOCKOUT ROSE	3 GAL.	CONT.
SBS	52	SPIREA BUMALDA 'GOLDMOUND'	GOLDMOUND SPIREA	3 GAL.	CONT.
SPP	18	SPIREA FRITSCHIANS 'PINK PARASOL'S'	PINK PARASOL'S SPIREA	3 GAL.	CONT.
SLP	44	SPIREA JAPONICA 'LITTLE PRINCESS'	LITTLE PRINCESS SPIREA	3 GAL.	CONT.
DV	14	VIBURNUM PLICATUM TOMENTOSUM	DOUBLEFILE VIBURNUM	3'-4' HT.	B&B
PERENNIALS					
EKH	51	ECHINACEA PURPUREA 'KIM'S KNEE HIGH'	DWARF PURPLE CONEFLOWER	5 PNT.	CONT.
EWS	47	ECHINACEA PURPUREA 'WHITE SWAN'	WHITE CONEFLOWER	5 PNT.	CONT.
GR	142	GERANIUM 'ROZANNE'	ROZANNE GERANIUM	5 PNT.	CONT.
HHR	82	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	5 PNT.	CONT.
HRR	224	HEMEROCALLIS 'ROSY RETURNS'	ROSY RETURNS DAYLILY	5 PNT.	CONT.
HJ	32	HOSTA 'JANE'	JANE HOSTA	5 PNT.	CONT.
HSS	13	HOSTA 'STAINED GLASS'	STAINED GLASS HOSTA	5 PNT.	CONT.
NWL	239	NEPETA FAASSENII 'WALKER'S LOW'	WALKER'S LOW CATMINT	5 PNT.	CONT.
PLS	173	PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'	LITTLE SPIRE RUSSIAN SAGE	5 PNT.	CONT.
RDS	174	RUDBECKIA FULGIDA 'EARLY BIRD GOLD'	EARLY BIRD GOLD BLACK EYED SUSAN	5 PNT.	CONT.
RLG	168	RUDBECKIA FULGIDA 'LITTLE GOLDSTAR'	LITTLE GOLDSTAR BLACK EYED SUSAN	5 PNT.	CONT.
GRASSES					
CKF	244	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	5 PNT.	CONT.
PCG	292	PENNISETUM ALOPECUROIDES 'CASSIAN'	CASSIAN FOUNTAIN GRASS	5 PNT.	CONT.
PFG	222	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	5 PNT.	CONT.
PKR	70	PENNISETUM ORIENTALE 'KARLEY ROSE'	KARLEY ROSE FOUNTAIN GRASS	5 PNT.	CONT.



Planting Detail – Typ.

Not to Scale

REV.	DESCRIPTION OF REVISION	DATE	APPR.

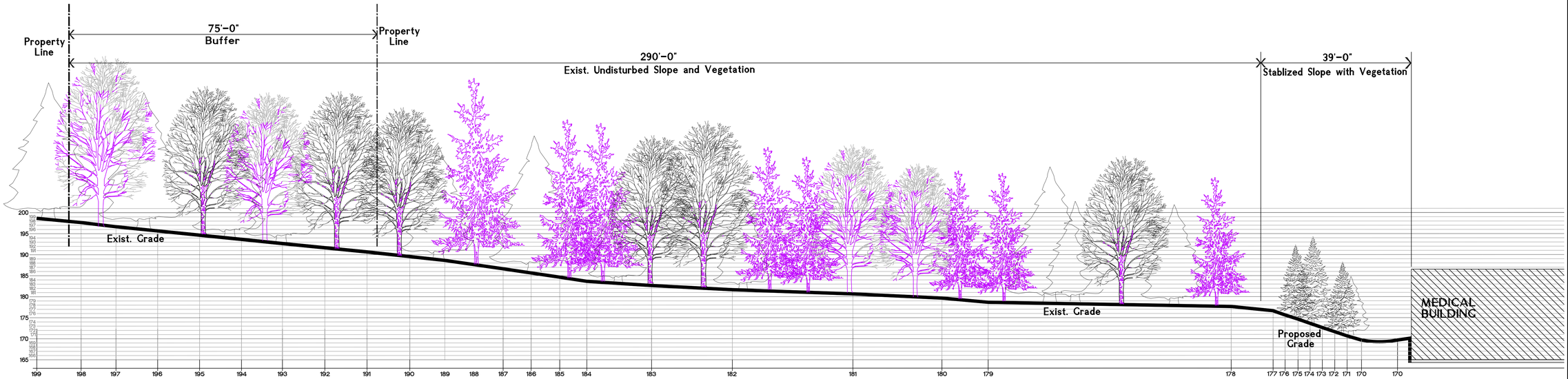
SCALE: 1"= 20'
COMM. NO.:
DRAWN BY: JGS
DATE: 05/22/2020
APPROVED BY: HWW
DATE: 05/22/2020

SITE PLANTING PLAN

THE GATEWAY
220, 245, 265 & 270 Buckland Drive - South Windsor, CT.
Buckland East, LLC
6 Executive Drive Suite 100 - Farmington, CT.

DRAWING
L.4

SHEET NO. | NO. OF SHEETS



Cross Section - Rear Property Line to Proposed Medical Building

REV.	DESCRIPTION OF REVISION	DATE	APPR.

SCALE: 1"=20'
COMM. NO.
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CROSS SECTION

THE GATEWAY
220, 245, 265 & 270 Buckland Drive - South Windsor, CT.
Buckland East, LLC
6 Executive Drive Suite 100 - Farmington, CT.

DRAWING
L.5

SHEET NO.
NO. OF SHEETS

Filename: Buckland Road SW Retail Site Lighting - REV 1.AGI

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF	BUG Rating	Description
	2	SL2	SINGLE	24001	185	0.900	B3-U0-G4	Lithonia DSX2 LED P2 40K T2M MVOLT SPA DDBXD - SSS 25 4G DM19AS DDBXD 25FT POLE
	8	SL5	SINGLE	29139	217	0.900	B5-U0-G4	Lithonia DSX2 LED P2 40K T5W MVOLT SPA DDBXD - SSS 25 4G DM19AS DDBXD 25FT POLE
	10	SL5-2	BACK-BACK	24805	185	0.900	B5-U0-G4	Lithonia DSX2 LED P2 40K T5W MVOLT SPA DDBXD - SSS 25 4G DM28AS DDBXD 25FT POLE

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	1.55	5.6	0.0	N.A.	N.A.
EAST RETAIL PARKING	Illuminance	Fc	2.35	5.5	1.0	2.35	5.50
MOB PARKING	Illuminance	Fc	2.23	5.6	0.4	5.58	14.00
RETAIL REAR PARKING	Illuminance	Fc	1.68	3.3	0.6	2.80	5.50

Greg Loda / Mike O'Connor
Lighting Affiliates
1208 Cromwell Ave
Rocky Hill, CT 06067

website: www.lightingaffiliates.com
Voice Number : (860) 721-1171 x 219
Email Address : gloda@lightingaffiliates.com

LITHONIA LIGHTING®

Catalog Number
Notes
Type

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

FEATURES & SPECIFICATIONS

INTERIOR USE — These specifications are for USA standards only. Check with factory for Canadian specifications. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION — Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .1196"), or 50 KSI (7-gauge, .1793"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: A flush non-metallic black top cap is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with PT option.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/ Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be allowed to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, 235 KSI minimum yield strength and tensile strength of 75-95 KSI. Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel. Blue colors, Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes, factory-applied primer paint finish is available for customer field-paint application.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness*	Mounting[1]		Options	Shipped installed	Finish[2]
SSS	90°-39' (for 5/2ft increments, add -G to the pole height, e.g. 14-tenon 20ft tall)	4C 4" Sq. (.1196")	Tenon mounting	AERO™ Suspend drill mounting[4]	Options	Shipped installed	Standard colors
		4G 4" Sq. (.1793")	PT Open top (includes TRR DM)	DM19AST, DM19AST... 1 at 90°	LAB Less anchor bolts (include where anchor bolts are not needed)	HS House-side shield.[9]	DDBXD Dark bronze
	See technical information table for complete ordering information.)	5C 5" Sq. (.1196")	T20 2-3/8" O.D. (2" NPS)	DM28AST, 2 at 180°	VD Vibration dampner	SF Single fuse (120, 277, 347V)[1]	DBLXD Black
		5G 5" Sq. (.1793")	T25 2-7/8" O.D. (2-1/2" NPS)	DM28AST, 2 at 90°	TP Tamper-resistant handhole cover fasteners	DF Double fuse (208, 240, 480V)[1]	DNAXD Natural aluminum
		6G 6" Sq. (.1793")	T35 3-1/2" O.D. (3" NPS)	DM28AST, 3 at 90°		CR0 Left rotated optics[1]	DWHXD White
			T4S 4" O.D. (3-1/2" NPS)	DM28AST, 4 at 90°	HAng Horizontal arm bracket (1 fixture)[10]	R90 Right rotated optics[1]	DBTXD Textured dark bronze
				DM49AST, 4 at 90°	FGExp Festoon outlet less electrical[4]	Shipped separately	DMBXD Medium bronze
				DM19GFT, 2 at 180°	CPLExp 1/2" coupling[4]	KMA8 DDBXD U Mast arm mounting bracket adapter (specify finish)[11]	DNAXD Natural aluminum
				DM19GFT, 3 at 90°	CPLHExp 3/4" coupling[4]		Classic colors
				DM19GFT, 4 at 90°	CPL1Exp 1" coupling[4]		DSSXD Sandstone
				DM49GFT, 4 at 90°	NPLSExp 1/2" threaded nipple[4]		DGCXD Charcoal gray
					NPLHExp 3/4" threaded nipple[4]		DTGXD Tennis green
					NPL1Exp 1" threaded nipple[4]		DBRXD Bright red
					DHHExp Extra handhole[4,12]		DSBXD Steel blue
					HAMXE Match existing[4]		Architectural Colors and Special Finishes[2]
					COPUM United States point of manufacture[13]		Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.
					IC Interior coating[4]		
					UL UL listed with label (Includes NEC compliant cover		
					NEC NEC #30.20 compliant quadered handhole (Not UL Labeled)		

NOTES:
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. FYI spare ring poles include top cap. When ordering tenon mounting and AERO mounting for the same pole, follow the example: DM28AST2A. The combination includes a required extra handhole.
3. Refer to the below spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" in designated fixture spec e.g. DM19AST2A.
5. Specify location and orientation when ordering option. For "A" - Specify the height above the base of pole to first or first and 2nd bolt, coplanar feet and clutches with a "-". *Example: DM-1 and DM-3H = -20-3*
6. Refer to Square Straight Steel Pole Handhole (A,B,C,D) Refer to the Handhole Orientation diagram below. *Example: 5G" coupling at 3'-4", orientation C = -3'4-1/2-4C*
7. Horizontal arm is 54" x 2-3/8" O.D. tenon standard, with radius curve providing 12" fine and 2-3/8" O.D. if ordering two horizontal arms at the same height, specify with HAmp. *Example: HA2880.*
8. Combination of tenon-top and drill mount includes extra handhole.
9. Must add original order number of existing pole(s).
10. Fine when mill certifications are required.
11. Additional colors available; see www.lithonia.com/techdoc or Architectural Color Selection Form, Rev. Pro.3. Available by formal quote only, consult factory for details.

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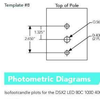
SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (Ft2) with 1.3 gust												
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft²) with 1.3 gust					Bolt circle (in.)	Bolt size (in. x in. x in.)	Approximate ship-weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight		
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8–9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8–9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8–9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8–9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8–9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	113	8–9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8–9	3/4 x 18 x 3	190
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10–12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10–12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8–9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8–9	3/4 x 18 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10–12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10–12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8–9	3/4 x 18 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	—	—	10–12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10–12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11–13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	—	—	10–12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11–13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	—	—	11–13	1 x 36 x 4	605

* DM values are based #10 2.7 -11 wind max, for 12 ft #screwmts, add -4 to the pole height. Tol .25 -0 angle 209 dec.

BASE DETAIL



POLE DATA							
Shaft base size	Bolt circle A	Bolt projection	Base diameter	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"SL	8" – 9"	3.25"–3.75"	8" –8.25"	0.75"	ABTEMPLATE PSS004	ABT80-U	ABS55-4C	3/4"x18"x3"
4"SL	8" – 9"	3.38"–3.75"	8" –8.25"	0.875"	ABTEMPLATE PSS004	ABT80-U	ABS55-4G	3/4"x18"x3"
5"	10" – 12"	3.5"–4"	11"	1"	ABTEMPLATE PSS010	ABT86-U	ABS55-5	1"x36"x4"
6"	11" – 13"	4"–4.50"	12.5"	1"	ABTEMPLATE PSS011	ABT86-U	N/A	1"x36"x4"

HANDHOLE ORIENTATION

Default DM19 in on slot B.

Handhole

IMPORTANT INSTALLATION NOTES:
- **Do not** erect poles without having fixtures installed.
- Use only qualified personnel familiar with construction practices and hazards. Lithonia Lighting will not accept claims for incorrect anchorage placement due to failure to use Lithonia Lighting's factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

LITHONIA LIGHTING. POLE-SSS

OUTDOOR One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERM (7376) www.lithonia.com

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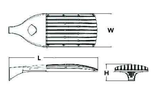
D-Series Size 2 LED Area Luminaire

Catalog Number
Notes
Type

d-series

Specifications

EPA:	1.1 ft² (0.10 m²)
Length:	40" (101.6 cm)
Width:	15" (38.1 cm)
Height:	7-3/4" (19.4 cm)
Weight (max):	34 lbs (15.3 kg)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTLL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability!
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background.

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Links for Roam & Link for BLE, DLL.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX2 LED P7 T3M MVOLT SPA DDBXD

DSX2 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX2 LED	**Forward optics**	30K 3000 K	T1S Type 1 Short	T5VS Type 5 Very Short	MVOLT[1,2] 120–277V
	P1 P1	40K 4000 K	T2S Type 2 Short	T5S Type 5 Short	120[3,4] 120V
	P2 P6	50K 5000 K	T2M Type 2 Medium	T5W Type 5 Wide	208[3,4] 208V
	P3 P7	AMBPC Amber phosphor converted[5]	T3S Type 3 Short	BLC Backlight control[6]	240[3,4] 240V
	P4 P8		T3M Type 3 Medium	BLC Backlight control[6]	277[3,4] 277V
	Rotated optics[7]		T4M Type 4 Medium	LCCO Left corner cutoff[8]	347[3,4,9] 347V
	P10 P13		T4FT4M Forward Throw Medium	RCCO Right corner cutoff[8]	480[3,4,9] 480V
	P11 P14				**Shipped separately**
	P12				KMA8 DDBXD U Mast arm mounting bracket adapter (specify finish)[11]

Control options	Other options	Finish[11]
Shipped installed	**Shipped installed**	DDBXD Dark bronze
NLTAIR2 nLight AIR generation 2 enabled[10]	HS House-side shield.[9]	DBLXD Black
PER NEMA twist-lock receptacle only (no controls)[12]	SF Single fuse (120, 277, 347V)[1]	DNAXD Natural aluminum
PERS Five-wire receptacle only (no controls)[12,13]	DF Double fuse (208, 240, 480V)[1]	DWHXD White
PER7 Seven-wire receptacle only (no controls)[12,13]	CR0 Left rotated optics[1]	DDBTXD Textured dark bronze
DMG 0-10V dimming wires pulled out back of housing for external control (no controls)	R90 Right rotated optics[1]	DBLBXD Textured black
DS Dual switching[14,15]	**Shipped separately**	DNATXD Textured natural aluminum
PIR Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enable at 5fc[14,15]	BS Bird spikes[16]	DWHGXD Textured white
PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enable at 1fc[14,15]	EGS External glare shield[16]	
PIR1FC3V Bi-level, motion sensor, 15'-30' mounting height, ambient sensor enabled at 1fc,[14,15] 3V dimming		
BL30 Bi-level switched dimming, 30% [14,15]		
BL50 Bi-level switched dimming, 50% [14,15]		
PNMTDD3 Part night, dim till dawn [14,15]		
PNMTD2H3 Part night, dim 2 hrs [14,15]		
PNMTD3H3 Part night, dim 3 hrs [14,15]		
PNMTD5H3 Part night, dim 5 hrs [14,15]		
FAO Field Adjustable Output [14]		

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Ordering Information

Accessories

Ordered and shipped separately.

BLC10P T10 SE	Pinwall - 10 c mast bolt (3/8-24 NC)[17]
BLC14PT T14 SE	Pinwall - 10 c mast bolt (3/4 NC)[17]
BLC18PT T18 SE	Pinwall - 10 c mast bolt (1 UNS)[17]
DSUBC SBC U	Shielding cap[18]
DSUBC RB U	House-side shield for BLC20 mast[18]
DSUBC RB U	House-side shield for BLC20 mast[18]
DSUBC SBC U	Shielding cap for BLC20 mast[18]
PMBA DDBXD[19]	Square pole universal mounting bracket (specify finish)[11]
KMA8 DDBXD U	Mast arm mounting bracket adapter (specify finish)[11]

For more control options, visit ... and ... online.

NOTES
1. P10, P11, P12 or P14 and rotated optics (L90, R90) only available together.
2. AMBPC not available with BCC, LCCO, RCCO, HS or PE, PE, PER, PER7 or PIRH.
3. Not available with DS.
4. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). 347V, 480V, 277V, 347V or 480V are only available with 10KV SPD. 480V is not available with PIR, PIRH, PIR1FC3V or PIR1FC3V. Any 347V or 480V option will ship with a 10KV SPD. 208V is only available with PIR, PIRH, PIR1FC3V or PIR1FC3V.
5. Not available with P1, P2, P3, P4, P10, P11, P12 or P13 options.
6. Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 0-10V (sink or source). Includes 10' leads. Not available with P7, P8, P14 or P15.
7. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with QS option. Shorting Cap included.
8. Not available with P1, P2, P3, P4, P10, P11, P12 or P13 options. Must be ordered as a separate accessory; see Accessories information.
9. Not available with DMG, PIR, PIRH, PIR1FC3V or PIR1FC3V.
10. Includes (2) upgradable watched circuits. See Controls Options for more detail. Shorting Cap included.
11. Provides ROAM node per luminaire for out-of-the-box control. Not available with PER, PER5, PER7, PIR or PIRH.
12. Reference Motion Sensor table on page 3.
13. Not available with HA, HAMB, HAT, HATAMB, HAO or HSA. Not available with P20, P21, P22 or P23 option. Not available with HVOLT, 347V, 480V, 277V, 347V or 480V. Reference Motion Sensor table on page 3. Requires Dual-to-Neutral harness, ordered separately. Use PER option on page 3. Requires Dual-to-Dual for Down required.
14. Not available with other dimming controls options.
15. Not available with P7, P8, P14, P15, P20, P21, P22 or P23 options. Must be ordered as a separate accessory; see Accessories information.
16. Must be ordered with Fixture for factory preparation.
17. Requires Luminaire to be specified with PER, PER5 and PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.
18. For hatch view only.

External Glare Shield

Drilling

HANDHOLE ORIENTATION

Tenon Mounting Slipfitter[20]

Shaft O.D.	Single	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-490

Pole drilling nomenclature[21] at 0 bracket at degrees from handhole (default side A)

DM19AS	DM28AS	DM29AS	DM42AS	DM28HS	DM49AS
1 @ 90°	2 @ 180°	2 @ 90°	3 @ 120°	2 @ 90°	4 @ 90°
Side B	Side A & C	Side A & C	Round pole only	Side A, B, C, D	Side A, B, C, D

Note: Review luminaire spec sheet for specific nomenclature

Round pole mounting	4.5" O.D.	5.0" O.D.	6.0" O.D.	7.0" O.D.	8.0" O.D.	9.0" O.D.	10.0" O.D.	11.0" O.D.
DSX SPA	Y	Y	Y	Y	Y	Y	Y	Y
DSX RPA	Y	Y	Y	Y	Y	Y	Y	Y
DSX SPABBA	N	N	N	N	Y	Y	Y	Y
DSX RPABBA	N	N	N	N	Y	Y	Y	N

* Tolerance +/-0.5 degrees from pole mounting holes.

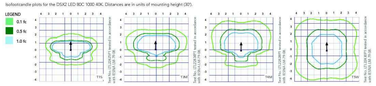
Template #9

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 2 homepage.

Isofootcandle plots for the DSX2 LED 80C 1000 40K. Distances are in units of mounting height (20').

LEGEND
- 0.1 fc
- 0.5 fc
- 1.0 fc



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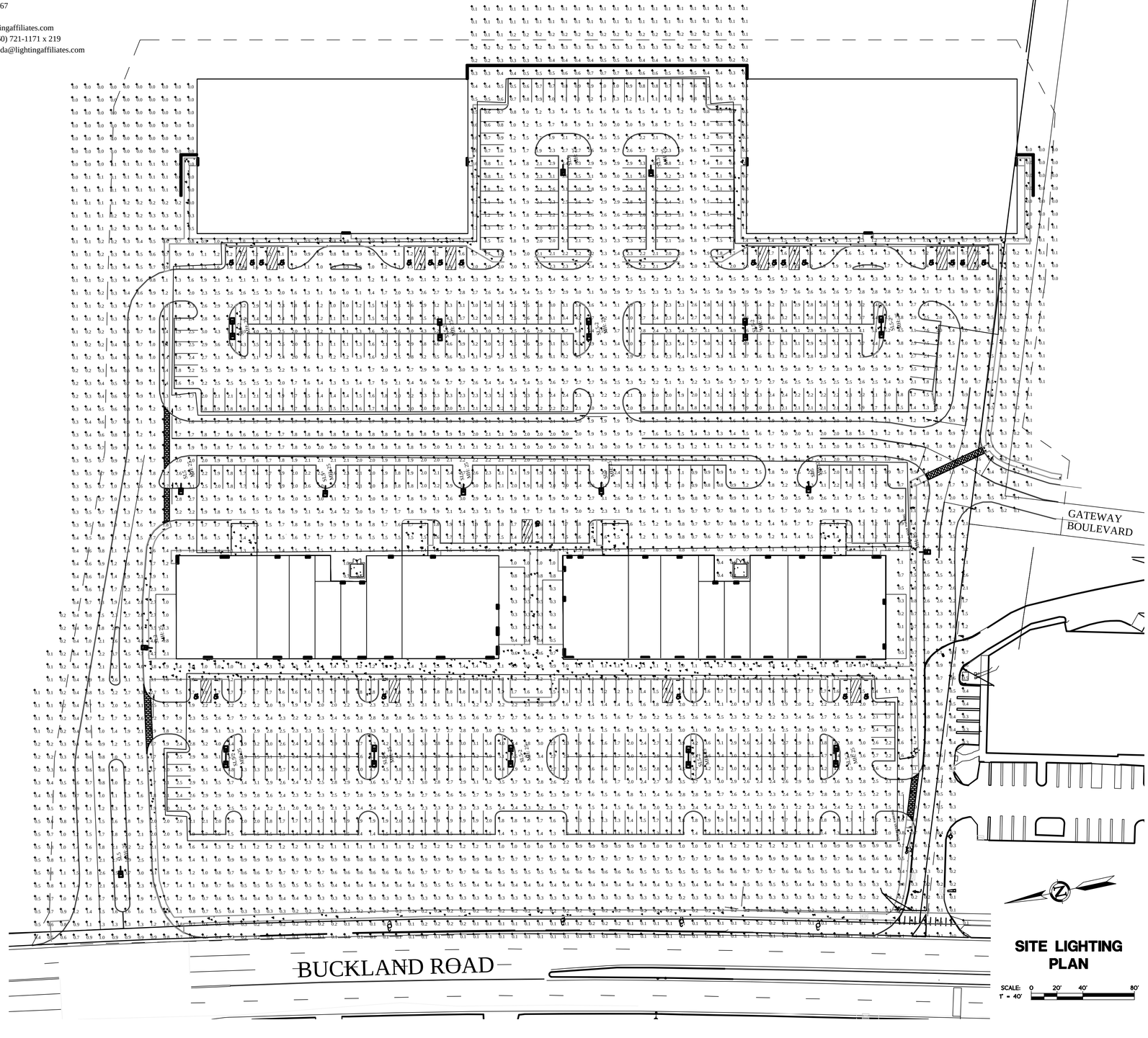
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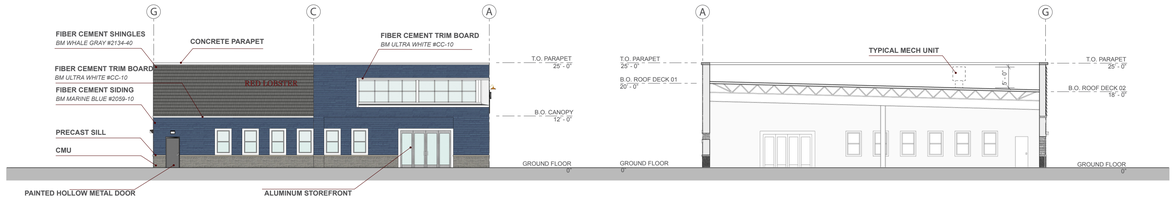
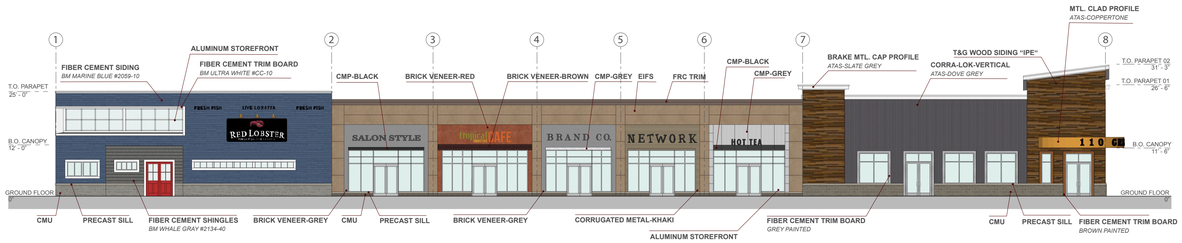


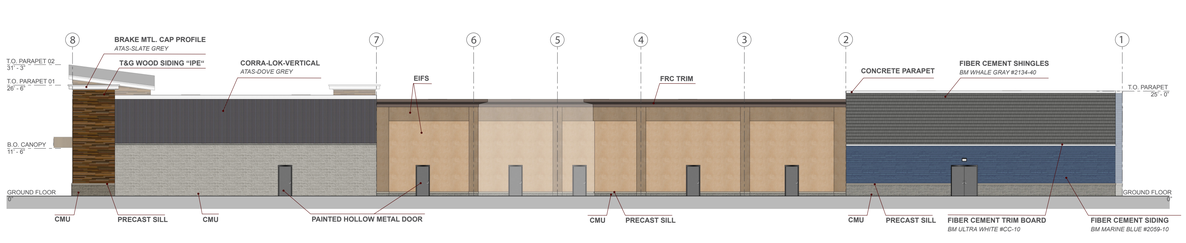
NORTH ELEVATION
1/16" = 1' - 0"

BUILDING SECTION
1/16" = 1' - 0"



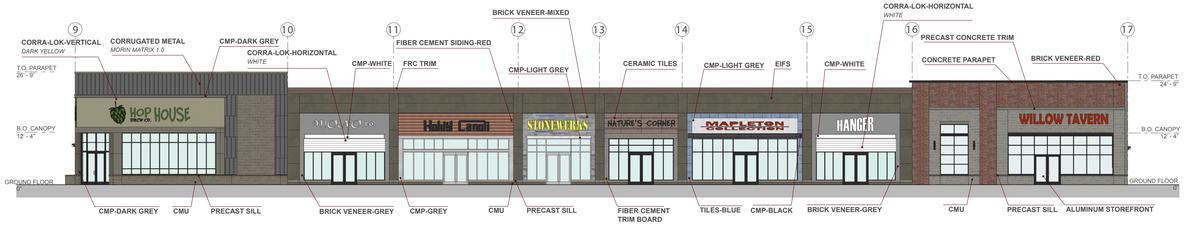
WEST ELEVATION
1/16" = 1' - 0"

SOUTH ELEVATION
1/16" = 1' - 0"

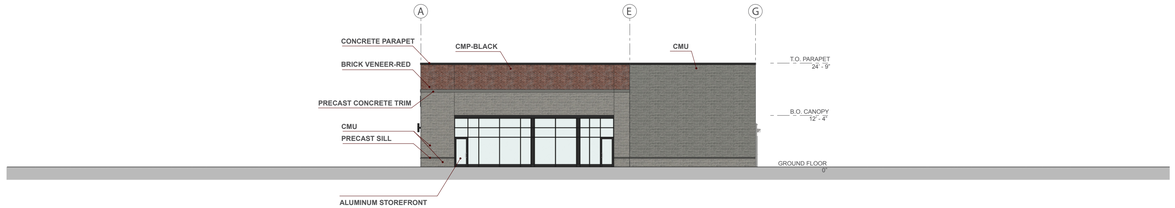


EAST ELEVATION
1/16" = 1' - 0"

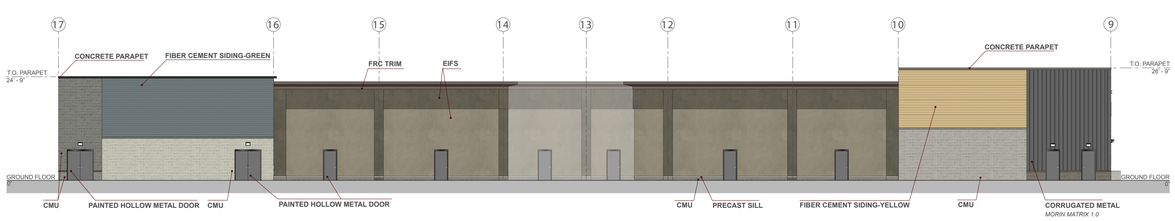
NORTH ELEVATION
1/16" = 1' - 0"



WEST ELEVATION
1/16" = 1' - 0"



SOUTH ELEVATION
1/16" = 1' - 0"



EAST ELEVATION
1/16" = 1' - 0"

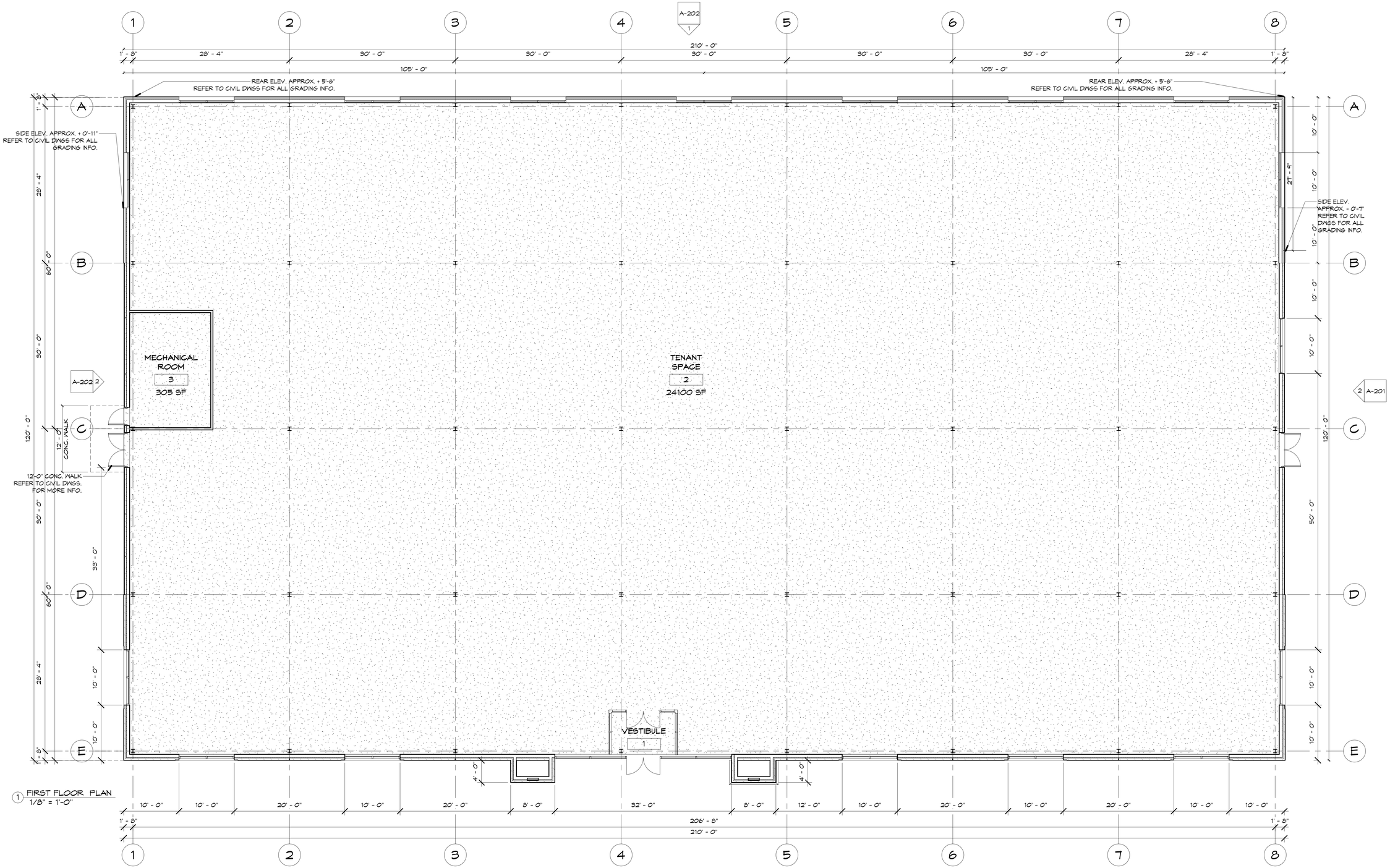
PLAN NOTES:

1. ALL DIMENSIONS ARE STUD TO STUD OR FRAMING UNLESS OTHERWISE NOTED
2. DOORS ARE 6" FROM NEAREST STUD FACE UNLESS OTHERWISE NOTED. DOOR CLEARANCES ARE ALWAYS 1'-6" CLEAR ON FULL SIDE & 1'-0" CLEAR ON PUSH SIDE U.O.N. SEE TYP. DOOR CLEARANCE DETAL FOR MORE INFO
3. VERIFY ALL MEASUREMENTS IN FIELD AND REPORT ANY DISCREPENCIES TO THE ARCHITECT.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL TRADES WORK IN THE FIELD AND PROVIDING COORDINATION / INSTALLATION DRAWINGS FOR ALL TRADES. ALL INSTALLATIONS ARE TO MEET STATE, LOCAL CODES & ALL AUTHORITIES HAVING JURISDICTION. GENERAL CONTRACTOR TO PROVIDE ALL SOFFITS & BOX-OUTS, AND FIRE-RATED ASSEMBLIES AS REQUIRED TO CONCEAL ALL MEP, HVAC, & ELEC. WORK.
5. CONTRACTOR TO VERIFY AND COORD. ALL SELECTED FIXTURES/APPLIANCES UNIT SIZES WITH MANUF. OPENING REQS.
6. ALL WINDOWS TO MEET LOCAL WIND DESIGN PRESSURE REQS. FOR CODE REQUIRED LOADING VERIFY WITH MANUF. PRIOR TO ORDERING.
7. CONTRACTOR IS TO PROVIDE AND MAINTAIN ALL REQUIRED CONTINOUS FIRE RATED SEPERATIONS OR MEMBRANE CONTINUITY ABOVE ALL TOP PLATES, AROUND ALL RATED ASSEMBLIES, AND AROUND ALL RATED CORRIDORS, DWELLING UNITS, VERTICAL EXIT ENCLOSURES, SHAFTS, AND EGRESS PATHS TYPICAL. SEE TYP. PARTITION CONTINUITY DETAILS, UL DESCRIPTIONS IN SPEC. BOOK, AND PARTITION TYPE DWGS. FOR MORE INFORMATION.
8. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUITY OF ALL FIRE RATING ASSEMBLIES PER CODE REQUIREMENTS & ALL AUTHORITIES HAVING JURISDICTION.. GYPSUM BOARD PLANES ARE TO BE EXTENDED AND FIRE BLOCKING/ FIRE CAULKING/ TAPING, ETC. ARE TO PROVIDED AS NECESSARY.
9. CONNECT ALL FOOTING DRAINS AND RAIN LEADERS TO SITE DRAINAGE SYSTEM AS REQUIRED. CONTRACTOR TO PROVIDE AND CONTINUE ALL DRAINAGE PIPING TO DAYLIGHT, DRYWELLS, OR STRUCTURE AS SPECIFIED.

BUILDING SQUAREFOOTAGE

Name	Area
VESTIBULE	101 SF
MECHANICAL ROOM	305 SF
TENANT SPACE	24100 SF

Grand total: 3 24506 SF
(INTERNAL SQUAREFOOTAGE)



1 FIRST FLOOR PLAN
1/8" = 1'-0"

Job.No.2019-0159

Schadler Selnau associates, p.c.
architecture - planning - interiors
5 waterville road, farmington, ct 06032
(860) 677-9620
hsa-architects.com

MEDICAL BUILDING

220 Gateway Boulevard
South Windsor, CT 06074
(*270 Gateway Boulevard Mirror image of 220 Gateway Boulevard)

REVISION

NO	DESC	DATE

MAY 25, 2020

FLOOR PLAN

SCALE: 1/8" = 1'-0"

DATE ISSUED: 4-30-20

A-101

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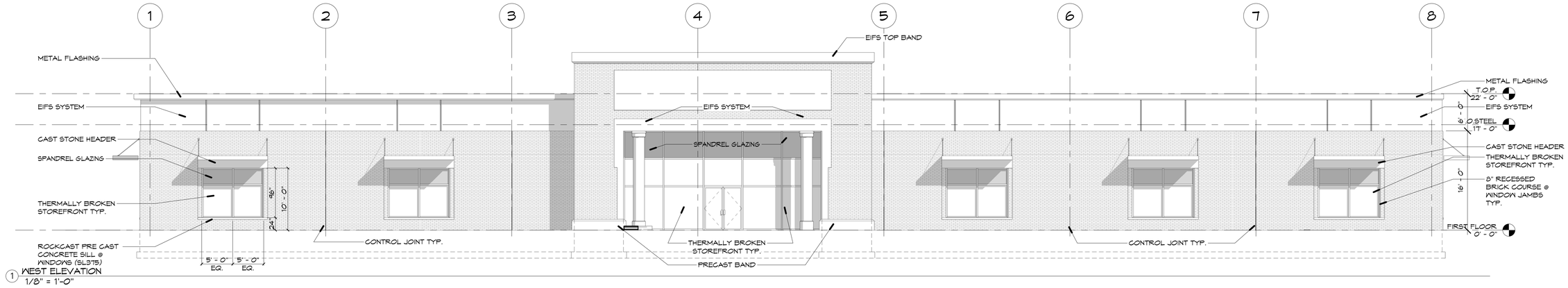
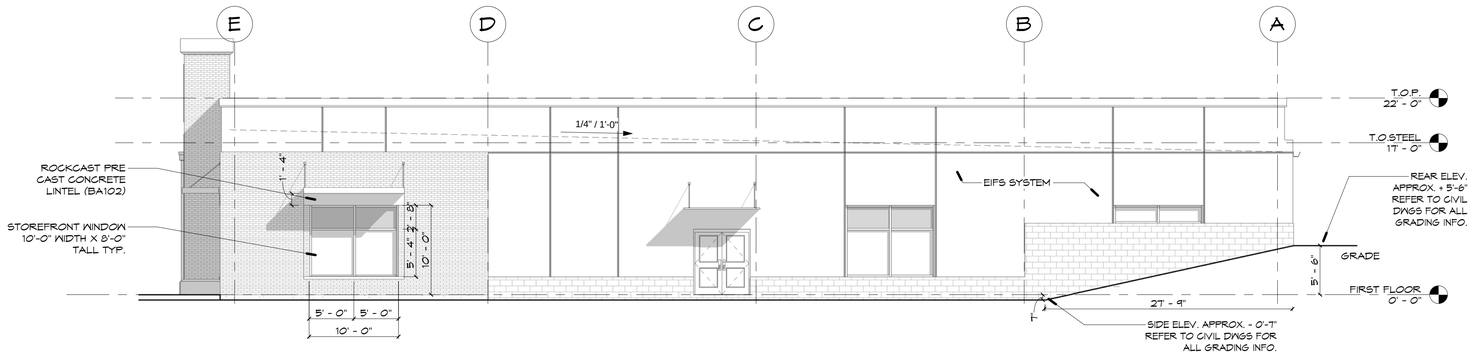


1 WEST ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"

Job.No.2019-0158

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architecture - planning - interiors
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(860) 677-9620
hsa-architects.com

MEDICAL BUILDING

220 Gateway Boulevard
South Windsor, CT 06074
(*220 Gateway Boulevard Mirror image of 220 Gateway Boulevard)

REVISION

NO	DESC	DATE

MAY 25, 2020

ELEVATIONS

SCALE: 1/8" = 1'-0"

DATE ISSUED: 4-30-20

A-201

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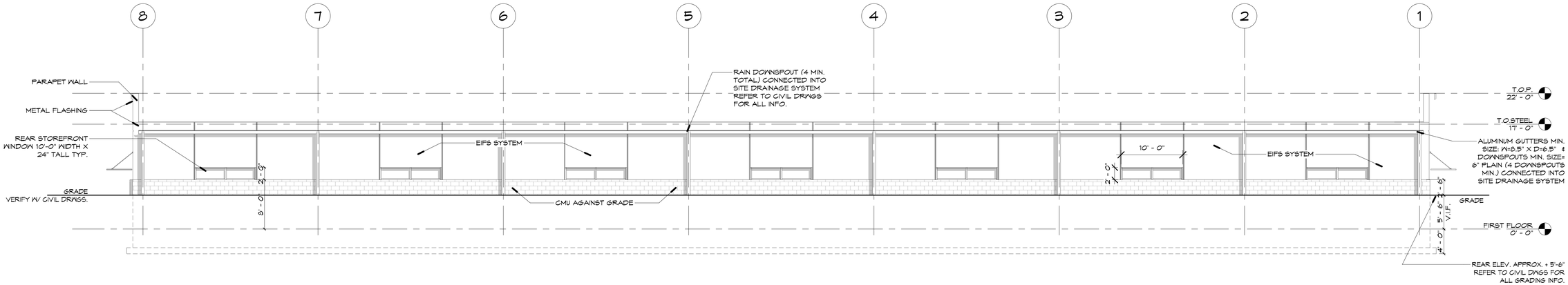
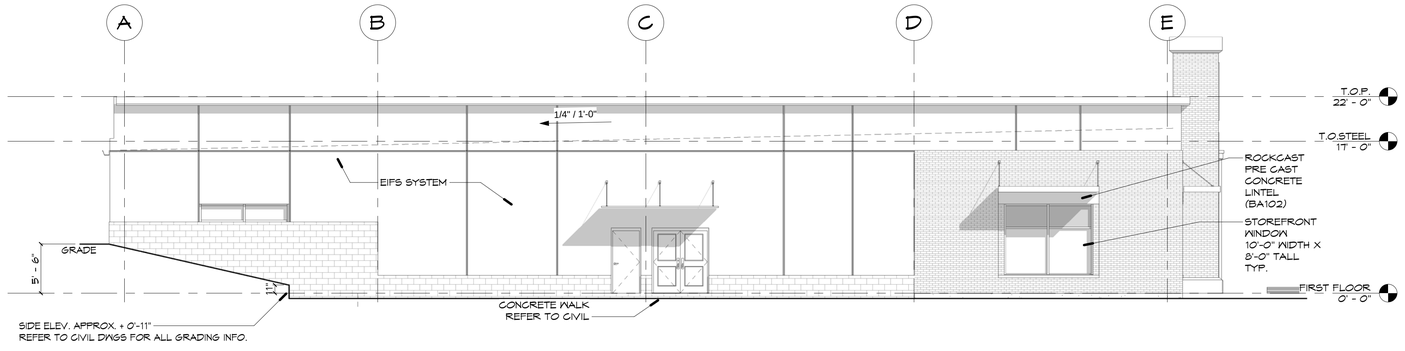


1 EAST ELEVATION
1/8" = 1'-0"



2 NORTH ELEVATION
1/8" = 1'-0"

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Job.No.2019-0158

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MEDICAL BUILDING

220 Gateway Boulevard
South Windsor, CT 06074
(*270 Gateway Boulevard Mirror image of 220 Gateway Boulevard)

REVISION

NO	DESC	DATE

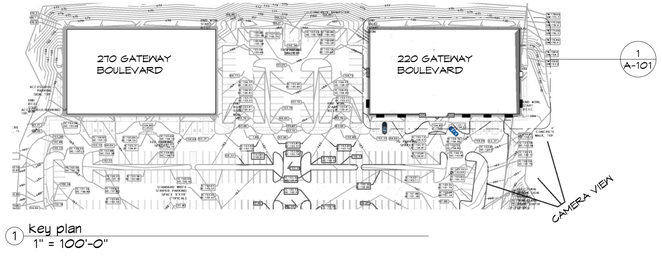
MAY 25, 2020

ELEVATIONS

SCALE: 1/8" = 1'-0"

DATE ISSUED: 4-30-20

A-202



1 key plan
1" = 100'-0"

Job.No.2019-0159

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architecture - planning - interiors
5 waterville road, farmington, ct 06032
(860) 677-9620
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MEDICAL BUILDING

220 Gateway Boulevard
South Windsor, CT 06074
(*270 Gateway Boulevard Mirror image of 220 Gateway Boulevard)

REVISION

NO	DESC	DATE

MAY 25, 2020

PROPOSED RENDERING

SCALE: 1" = 100'-0"

DATE ISSUED: 4-30-20

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