

ZONING SUMMARY (R-1 & R-2, SINGLE FAMILY RESIDENTIAL)

DESCRIPTION	ZONE STANDARD (R-1)	ZONE STANDARD (R-2)	APPROVED 2008	APPROVED 2018	PROPOSED 2019
Max. Building Height	35 ft (2-1/2 Stories)	35 ft (2-1/2 Stories)	72' (2008 Bldg. Addition)	18.5' (South Garage-Plymouth) (Comply) 33.5' (South Garage-Sherman) (Comply) 33.5' (North Garage-Wealthy) (Comply) 25.5' (North Garage-Plymouth) (Comply)	15.5' (South Garage-Plymouth) (Comply) 30.3' (South Garage-Sherman) (Comply) 23.8' (North Garage-Wealthy) (Comply) 25.5' (North Garage-Plymouth) (Comply)
Min. Front Bldg. Setback	30 ft (from R.O.W.) (Wealthy, Plymouth & Sherman St.)	25 ft (from R.O.W.) (Sherman St.)	(Existing Building Ht.: - Main Patient Wing 40'2" - 1915 Addition 48'7" - 1952 Addition 42'6" - Professional Office Bldg. 47'6")	(No change) (Comply)	(No change) (Comply)
Min. Side Bldg. Setback	N/A	N/A	N/A	N/A	N/A
Min. Parking (4) Setback	30 ft (from R.O.W.) (Wealthy, Plymouth & Sherman)	25 ft (from R.O.W.) (Sherman St.)	14 ft (Plymouth St.) 15.0 ft (Sherman St.) 9.4 ft (Wealthy St.) 0' on Plymouth St.	5.9 ft (Plymouth St.) 5.9 ft (Sherman St.) (No Change) > 30 ft (Wealthy St. & Plymouth St.)	(Comply > 2008) (Comply > 2008) (No Change) (Comply)
Min. Front Parking (Comp) Setback	30 ft (from R.O.W.) (Wealthy, Plymouth & Sherman)	25 ft (from R.O.W.) (Sherman St.)	(2 points on Wealthy St.: 22.97', 25.97' & 28.57')	(No change) (Comply)	(No change) (Comply)
Min. Enduse Setback (All Spices Dots)	30 ft (Plymouth St.)	N/A (Sherman Street)	2.58 ft (No Change)	(Comply)	(Comply)
Min. Lot Coverage (All Buildings)	35 percent	35 percent	42.2 percent	47.7 percent (Variance Approved)	48.9 percent (Variance Needed)
Min. Lot Coverage (All Building & Pavement)	40 percent	40 percent	71.3 percent***	75.8 percent***	72.2 percent*** +/- (Comply < 2008 & 2018)
Min. (2-way) Shelve Bldg.	24 ft	24 ft	24 ft	24 ft	24 ft (Comply)
Min. Gross Floor Area (GFA)	N/A	N/A	35,796 sqm net	35,295 sqm net**	35,295 sqm net**
Number of lots	N/A	N/A	34 lots	33 lots	33 lots
Parking Requirements (P)	(See Parking Requirements Worksheet)	(See Parking Requirements Worksheet)	1,230 Spaces (Onsite)	1,202 Spaces (Onsite)	(Comply)

(*) The Zoning Ordinance that was current in 2008 did not contain parking requirements for hospitals. A comprehensive parking study was performed by LSL Planning, Inc. with the previously approved 2008 Building Addition. The resultant parking requirements shown in the "APPROVED 2008" column above are those that were reflected therein. The current Zoning Ordinance (amended dated 2019) does indicate parking requirements for hospitals. Although Usable Floor Area is not precisely known, the more conservative Gross Floor Area (GFA) is utilized for calculating the current (2019) parking requirements and is determined below.

(**) GFA derived from the following: 306,786 (Existing reported on 2008 Plans) - 5,054 (Demos) + 3,563 (South Entry) = 305,295 square feet.

(***) Although plans approved by East Grand Rapids in 2008 reported 71.3% Lot Coverage, a review by Abonmarche in 2018 indicates that the approved Lot Coverage of Building & Pavement was actually 76.6% (See Dep. C2.1).

Surface Parking Totals 2018 Approved:		Surface Parking Totals 2019:	
North Area:	Surface N-1: 46 Spaces (8 A.D.A.) Surface N-2: 19 Spaces (4 A.D.A.)	North Area:	Surface N-1: 46 Spaces (8 A.D.A.) Surface N-2: 19 Spaces (4 A.D.A.)
Subtotal North:	65 Spaces (12 A.D.A.)	Subtotal North:	65 Spaces (12 A.D.A.)
South Area:	Surface S-1: 103 Spaces (10 A.D.A.) Surface S-2: 50 Spaces (14 A.D.A.) Surface E: 43 Spaces (2 A.D.A.) Surface ED: 20 Spaces	South Area:	Surface S-1: 103 Spaces (10 A.D.A.) Surface S-2: 71 Spaces (17 A.D.A.) Surface E: 43 Spaces (2 A.D.A.) Surface ED: 12 Spaces (0 A.D.A.)
Subtotal South:	216 Spaces (20 A.D.A.)	Subtotal South:	126 Spaces (16 A.D.A.)
Total Surface Parking:	281 (38 A.D.A.) (31 Std. A.D.A. + 7 Van-Accessible)	Total Surface Parking:	191 (30 A.D.A.) (22 Std. A.D.A. + 8 Van-Accessible)
Parking Garage Totals:	North Garage (3 Levels): 564 Spa. (12 A.D.A.) South Garage (5 Levels): 352 Spa. (8 A.D.A.) Total Garage Spaces:	Parking Garage Totals:	North Garage (3 Levels): 564 Spa. (12 A.D.A.) South Garage (5 Levels): 693 Spa. (14 A.D.A.) Total Garage Spaces:
Overall Parking Totals:	Overall Parking Provided: 1,202 Spaces	Overall Parking Totals:	Overall Parking Provided: 1,448 Spaces

(1) Parking Requirements Worksheet:
 1 Space per 300 SF GFA (2008)
 2 Spaces per lot (2008)
 Parking Requirements (2008 Calculation):
 (306,786 SF GFA/300 SF) = 1,023 Spaces
 (264 Beds x 2) = 568 Spaces
 = 1,591 Spaces
 Parking Requirements (2018 Calculation):
 (305,295 SF GFA/1,000 SF) x 4 = 1,221 Spaces
 (319 Beds x 2) = 638 Spaces
 = 1,859 Spaces
 Parking Requirements (2019 Calculation):
 (305,295 SF GFA/1,000 SF) x 4 = 1,221 Spaces
 (319 Beds x 2) = 638 Spaces
 = 1,859 Spaces

Leased Offsite Parking Totals:
 Appleton College = 215 Spaces
 Calvin Christian Reformed Church = 210 Spaces
 St. Luke's Village = 222 Spaces
 TOTAL Offsite Parking Available = 632 Spaces

Definitions:

Height of Building or Structure - The vertical distance measured from the average elevation of the finished lot grade at the front of the building, to the highest point of a flat roof, to the deck line of a mansard roof, to the average height between the eaves and ridge for a gable, hip and gambrel roof, or to an equivalent point on any other roof. When the lot is developed and permits a walk-out entry at the rear of the building, the height shall be measured from the average elevation of the finished lot grade at the rear of the building.

Grade - The elevation of the ground adjacent to a structure. Existing or natural grade is the elevation that exists or existed prior to manmade alterations. Finished grade is the elevation established after filling or excavation.

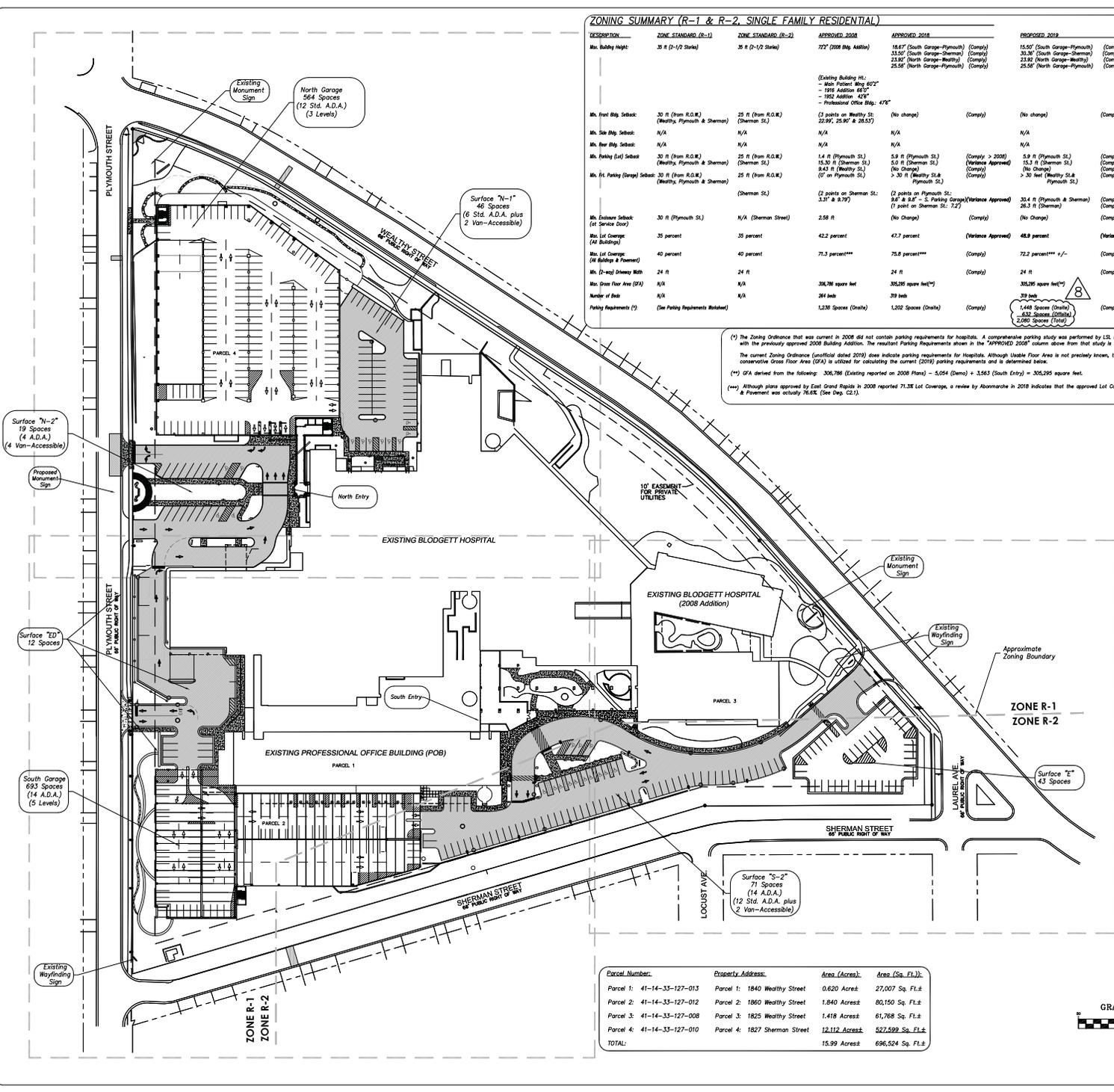
Building - A temporary or permanent independent structure, with a roof supported by columns, walls, or other supports that is used to house people, animals, possessions, or conduct business activities or other uses. A building may or may not have a permanent location on the ground.

Building, Principal - The building in which the principal use is located.

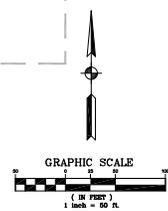
Necessary Building, Structure or Use - A building, structure or use on the same lot with, and of a nature which is customarily incidental and subordinate to the principal building, structure or use or the property.

References:

- Zoning Map of City of East Grand Rapids, Michigan, dated April 2019
- Boundary Survey prepared by Russell E. Stolt, R.L.S., dated 01/26/88
- Topographic Survey prepared by Progressive AE, dated 06/18/14
- M.P. Plans to be prepared by Christian Construction.
- Parking Structure Plans to be prepared by MGL Inc.



Parcel Number:	Property Address:	Area (Acres):	Area (Sq. Ft.):
Parcel 1: 41-14-33-127-013	Parcel 1: 1840 Wealthy Street	0.620 Acres	27,007 Sq. Ft.
Parcel 2: 41-14-33-127-012	Parcel 2: 1860 Wealthy Street	1.840 Acres	80,150 Sq. Ft.
Parcel 3: 41-14-33-127-008	Parcel 3: 1825 Wealthy Street	1.418 Acres	61,768 Sq. Ft.
Parcel 4: 41-14-33-127-010	Parcel 4: 1827 Sherman Street	12,112 Acres	527,589 Sq. Ft.
TOTAL:		15.99 Acres	696,524 Sq. Ft.



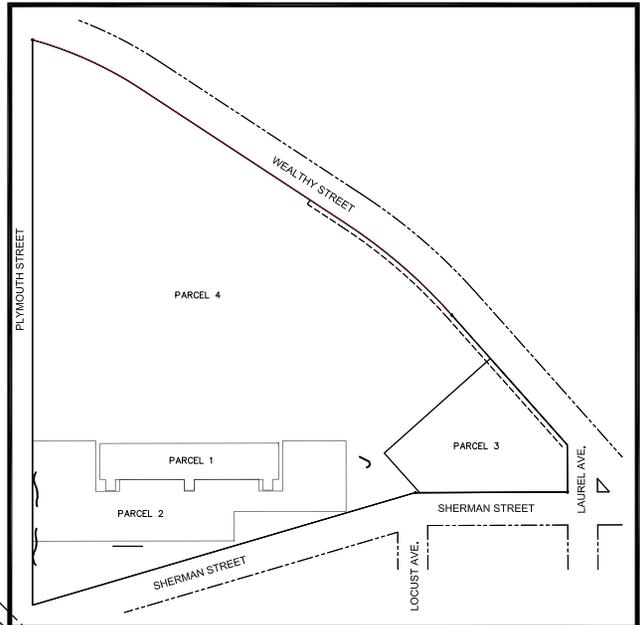
NO.	DATE	REVISIONS	BY
6	12/20/19	UPDATE PARKING SPACE NUMBERS REVEAL ELECTRICAL PLAN	AKG
7	11/26/19	REVISION FOR 2019 PLAN CORRECTIONS/CHANGES	AKG
8	09/11/19	REVISION FOR AMENDMENTS FROM APPROVAL	AKG
4	06/08/18	ISSUED BY THE CITY ENGINEER AS PART OF THE CONSTRUCTION OF APPROVAL AND DESIGN CONTROL PLANS AND DESIGN SHEETS	AKG
5	05/03/18	REVISE SITE LAYOUT GRAPHIC'S CONFORM TO SHARED TABLE SHEET CELL	AKG
3	04/13/18	ADDRES CORRECTIONS FROM CLIENT & RELOCATE NORTH GARAGE	AKG
2	03/02/18	ADDRES CORRECTIONS FROM CLIENT & RELOCATE NORTH GARAGE	AKG
1	01/19/18	PLANS: FINISHING HILLS DEVELOPER	AKG
1	01/19/18	ADDRES CORRECTIONS FROM THE PLANNING GROUP MEMO DATED 01/18/18 & INPUT FROM HIGHCHURCHES MEETING HILLS DEVELOPER	AKG
NO.	DATE	REVISIONS	BY

LEGEND

- Buildings
- Paved Surfaces (Driveways, Patios, Walkways)
- Green Space

- NOTES**
- Plans approved by the City of East Grand Rapids in 2008 reported Developer proposed:
 - Lot Coverage (All Buildings) = 42.2%
 - Lot Coverage (All Buildings & Paving) = 71.31%

- REFERENCES**
- Zoning Map of City of East Grand Rapids, Michigan, dated July 2017
 - Boundary Survey prepared by Russell E. Stadt, R.L.S., dated 01/26/88
 - Topographic Survey prepared by Progressive AE, dated 06/18/14
 - MEP Plans prepared by SDO Engineering, L.L.C., dated 10/16/17
 - Parking Structure Plans prepared by Carl Walker Associates, dated 11/29/17



PARCEL MAP
 Scale: 1" = 100'
 (See See Dep. C2.0 for Parcel Summary)

Parcel Number:	Property Address:	Area (Acres):	Area (Sq. Ft.):
Parcel 1: 41-14-33-127-013	Parcel 1: 1840 Wealthy Street	0.620 Acres	27,007 Sq. Ft.±
Parcel 2: 41-14-33-127-012	Parcel 2: 1860 Wealthy Street	1.840 Acres	80,150 Sq. Ft.±
Parcel 3: 41-14-33-127-008	Parcel 3: 1825 Wealthy Street	1.418 Acres	61,768 Sq. Ft.±
Parcel 4: 41-14-33-127-010	Parcel 4: 1827 Sherman Street	12.112 Acres	527,589 Sq. Ft.±
TOTAL:		15.99 Acres	696,524 Sq. Ft.±

LOT COVERAGE SUMMARY

Parcel	Buildings (Acres)	Paved Surfaces (Acres)	Green Space (Acres)	Total Lot Coverage
1	0.589 (95.0%)	0.011 (1.8%)	0.017 (2.7%) *	0.617 (96.8%)
2	0.991 (53.3%)	0.561 (30.3%)	0.301 (16.3%) *	1.542 (83.8%)
3	0.150 (10.6%)	0.690 (48.7%)	0.578 (40.8%) *	0.840 (59.2%)
4	6.107 (50.4%)	2.466 (20.4%)	3.539 (29.2%) *	8.573 (70.8%)
Total:	7.827 (48.9%)	3.728 (23.3%)	4.435 (27.7%) *	11.555 (72.3%)

* Open Space not included in Total Lot Coverage (see definition below)

Definitions:

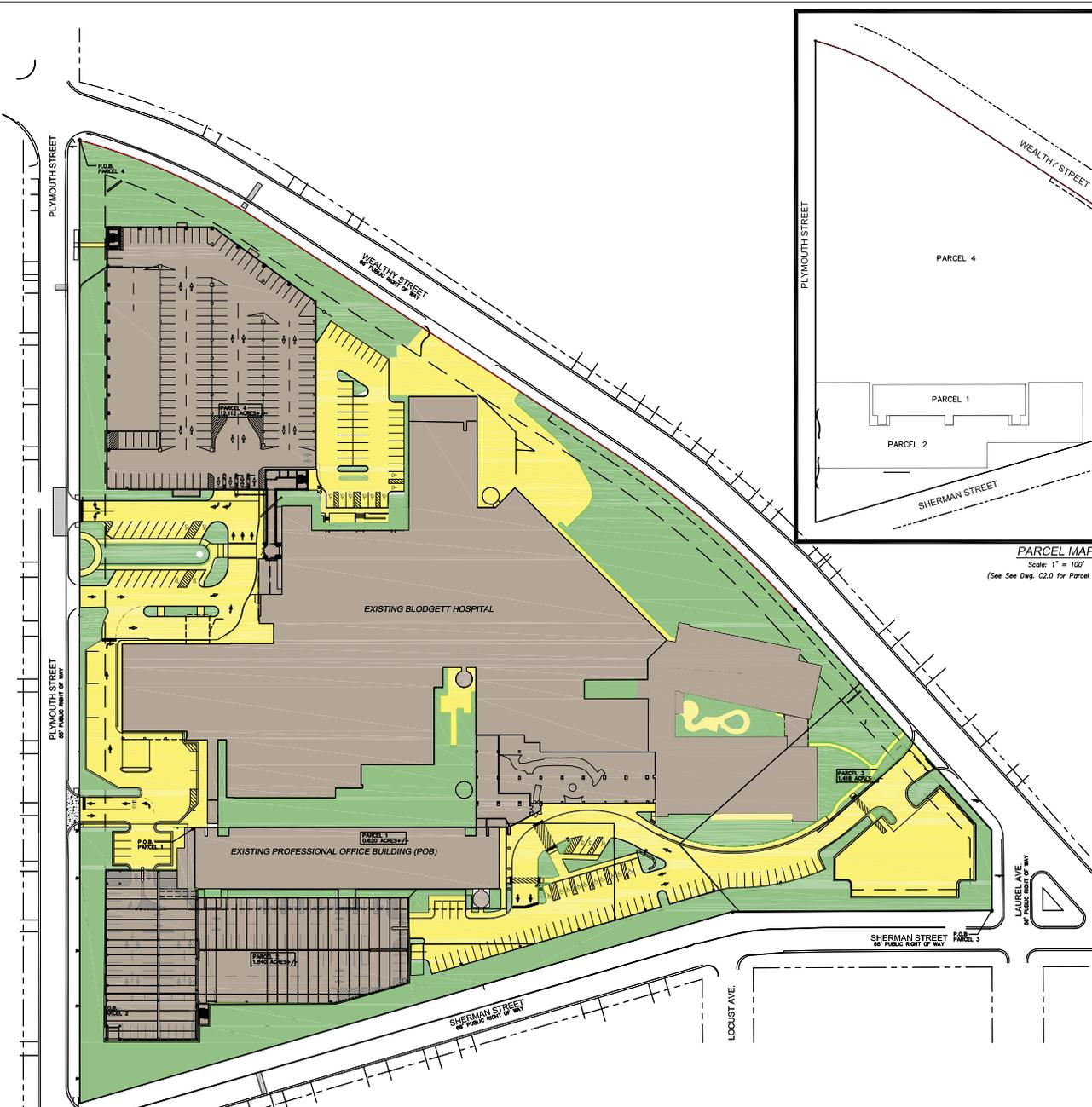
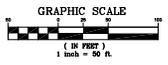
Lot Area – The area of land included within a lot as defined by lot lines, but excluding any public rights-of-way.

Lot Coverage, Buildings – The lot area, stated as a percentage of the total, covered by all buildings and areas under roof.

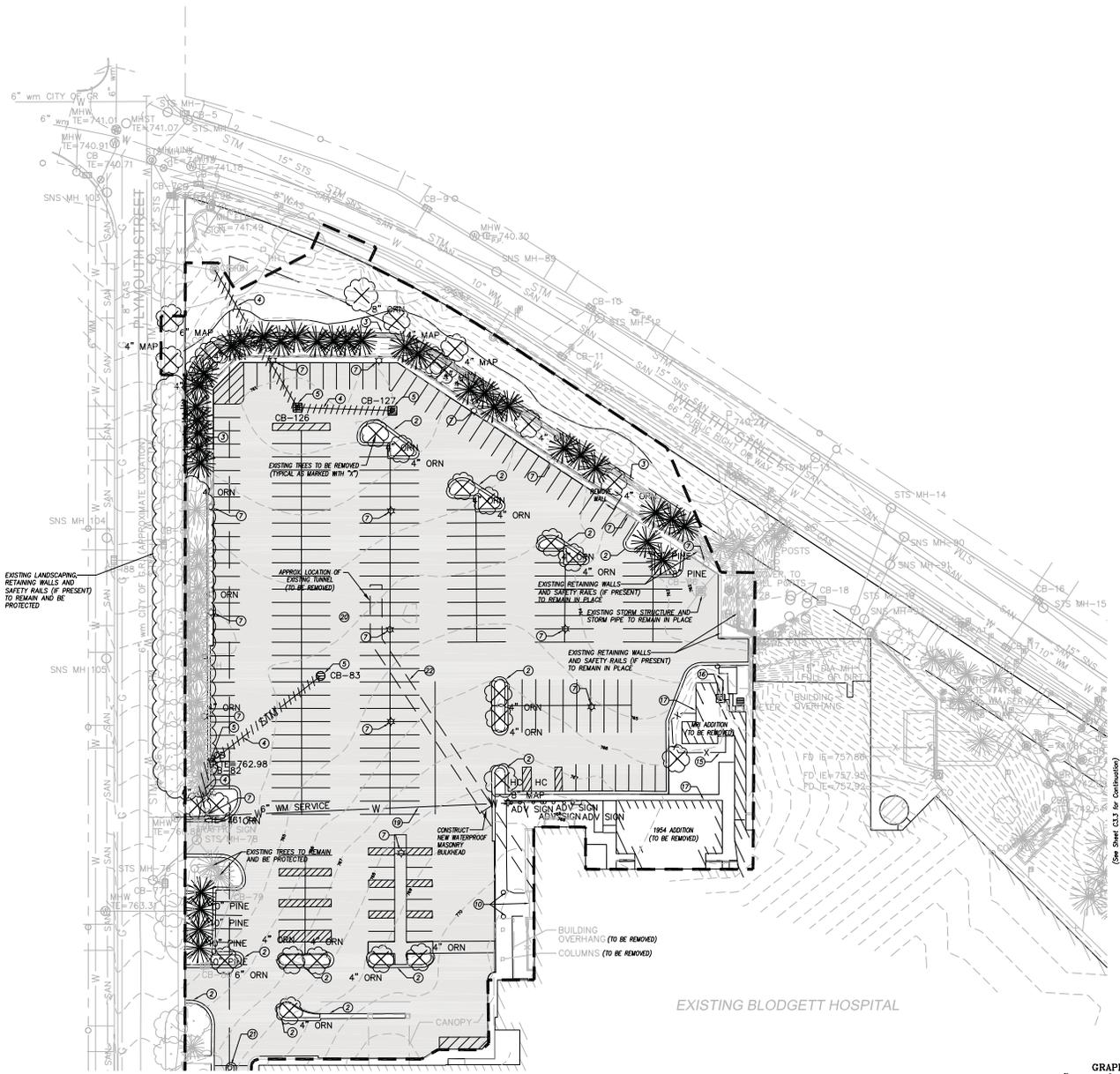
Lot Coverage, Pavement and Buildings – The lot area, stated as a percentage of the total, covered by all buildings and paved surfaces, including driveways, patios and walkways. One-half the area of permeable surfaces, approved by the Director of Public Works, are also counted toward this calculation.

Building, Principal – The building in which a principal use is located.

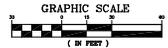
Accessory Building, Structure or Use – A building, structure or use on the same lot with, and of a nature which is customarily incidental and subordinate to the principal building, structure or use or the property.



NO.	REVISION/DESCRIPTION	DATE
6	REVISED FOR ARCHITECTURE PLAN APPROVAL	09/11/19
5	ISSUED BY THE CITY ENGINEER DATED 08/15/18. CONSENT OF APPROVAL AND LEGAL CONTROL PLANS & S.D. DATA SHEETS	08/08/18
4	REVISED BASELINE GRAPHIC'S ZONING SUMMARY TABLE SHEET	05/03/18
3	ADDRESS CORRECTED FROM CHEF & RELOCATE NORTH GARAGE	04/13/18
2	ADDRESS CORRECTED FROM CHEF & RELOCATE NORTH GARAGE. PUBLIC HEARING HELD 02/08/18	03/02/18
1	ADDRESS CORRECTED FROM PLANNING GROUP MEMO DATED 02/01/18 & INPUT FROM ARCHITECTURE MEETING HELD 01/08/18	01/19/18
NO.	REVISION/DESCRIPTION	DATE



(See Sheet C3.2 for Continuation)



REMOVALS LEGEND

- ① Saw cut
- ② Remove Concrete Curb and Gutter
- ③ Remove Retaining Wall (& Railing if present)
- ④ Remove Storm Sewer
- ⑤ Remove Storm Sewer Structure
- ⑥ Remove and Relocate Water Main
- ⑦ Remove Lights, Fixture, Pole, & Bases
- ⑧ Remove Signs
- ⑨ Remove Parking Deck (See Sheet C3.2)
- ⑩ Remove Canopy, Columns, Portico, & Entrance
- ⑪ Remove Paint Stripes
- ⑫ Remove Sidewalk
- ⑬ Remove and Relocate Fire Hydrant
- ⑭ Remove and Relocate Flag Poles
- ⑮ Remove Fence
- ⑯ Remove/Relocate Electric
- ⑰ Remove Building (See Demo Plans)
- ⑱ (Not Used)
- ⑲ Re-Locate Water Line (See Utility Plans)
- ⑳ (Not Used)
- ㉑ Remove Security Gates, Curb & Electric
- ㉒ Remove tunnel & seal end (See Note #6)

GENERAL NOTES

1. Removals and disposal shall be in accordance with all applicable local, state and federal codes.
2. Curbs and concrete shall be removed up to existing control joints or saw cuts.
3. Asphalt pavements shall be saw cut prior to removal.
4. Remove all signs within the Limits unless noted otherwise.
5. Contractor shall remove all surface and sub-surface improvements to accommodate the Parking Deck construction & the Site Development Plans.
6. Contractor shall remove tunnel to accommodate Site Development Plan construction. Contractor shall submit shop drawings for the masonry bulkhead construction to the Engineer for approval.

LEGEND

- Remove Existing Tree
- Remove Existing Underground Utility
- Remove Existing Pavement
- Removal Limits

SHEET TITLE: **REMOVALS PLAN - NORTH**

MODELED BY: **AKG**

DESIGNED BY: **ABD**

PIA REVIEW: **BCM**

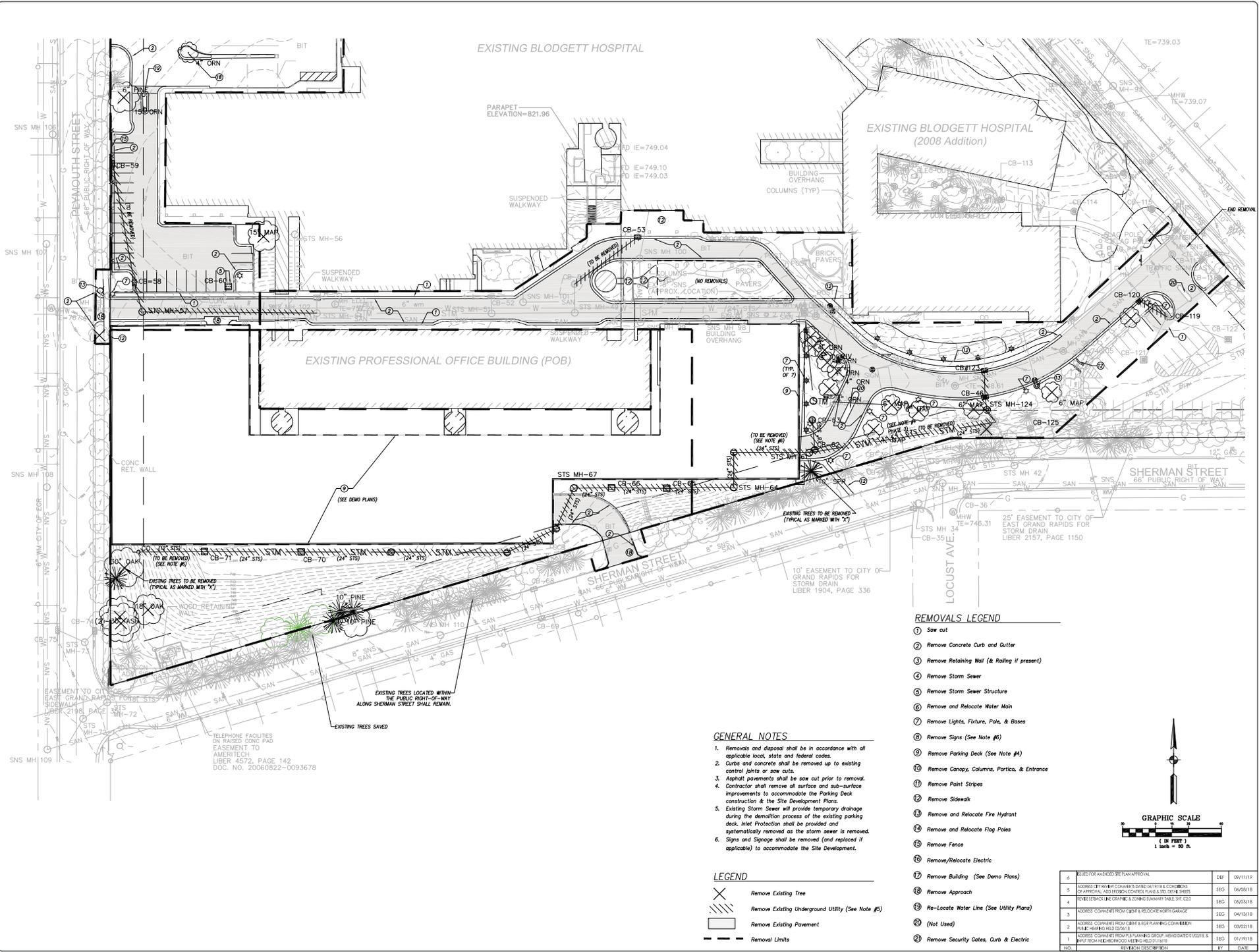
QA/QC REVIEW: **JWL**

DATE: **12-15-2017**

SCALE: **1" = 30'**

UNLESS NOTED OTHERWISE:

NO.	REVISION	DATE
5	ISSUED BY PERMITS COMMENTS DATED 04/11/18. CORRECTING APPROVAL AND LEGAL CONTROL PLANS & SD. 06/18 SHEETS	06/08/18
4	REVISE SEPARATE LINE GRAPHIC'S DOWNSHIFT TABLE SHE. C3.2	05/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	03/02/18
1	ADDRESS COMMENTS FROM PLANNING GROUP. MEMO DATED 03/01/18 & INPUT FROM ARCHITECTURE MEETING HELD 03/01/18	01/19/18
NO.	REVISION DESCRIPTION	DATE



EXISTING BLODGETT HOSPITAL

EXISTING BLODGETT HOSPITAL (2008 Addition)

EXISTING PROFESSIONAL OFFICE BUILDING (POB)

SHERMAN STREET

SHERMAN STREET

REMOVALS LEGEND

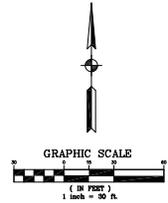
- 1 Saw cut
- 2 Remove Concrete Curb and Gutter
- 3 Remove Retaining Wall (& Railing if present)
- 4 Remove Storm Sewer
- 5 Remove Storm Sewer Structure
- 6 Remove and Relocate Water Main
- 7 Remove Lights, Fixture, Pole, & Bases
- 8 Remove Signs (See Note #6)
- 9 Remove Parking Deck (See Note #4)
- 10 Remove Canopy, Columns, Portico, & Entrance
- 11 Remove Paint Stripes
- 12 Remove Sidewalk
- 13 Remove and Relocate Fire Hydrant
- 14 Remove and Relocate Flag Poles
- 15 Remove Fence
- 16 Remove/Relocate Electric
- 17 Remove Building (See Demo Plans)
- 18 Remove Approach
- 19 Re-Locate Water Line (See Utility Plans)
- 20 (Not Used)
- 21 Remove Security Gates, Curb & Electric

GENERAL NOTES

1. Removals and disposal shall be in accordance with all applicable local, state and federal codes.
2. Curbs and concrete shall be removed up to existing central joints or saw cuts.
3. Asphalt pavements shall be saw cut prior to removal.
4. Contractor shall remove all surface and sub-surface improvements to accommodate the Parking Deck construction & the Site Development Plans.
5. Existing Storm Sewer will provide temporary drainage during the demolition process of the existing parking deck. Inlet Protection shall be provided and systematically removed as the storm sewer is removed.
6. Signs and Signage shall be removed (and replaced if applicable) to accommodate the Site Development.

LEGEND

- Remove Existing Tree
- Remove Existing Underway (See Note #5)
- Remove Existing Pavement
- Removal Limits



NO.	REVISION	DATE
6	REVISED FOR AMERITECH SITE PLAN APPROVAL	09/11/19
5	ISSUED BY PERMITS COMMENTS DATED 08/15/19. COMMENTS OF APPROVAL AND LEGAL CONTROL PLANS & SD, DETAILED SHEETS	06/08/18
4	REVISED SEQUENCE LINE GRAPHIC'S DOWNSUMMARY TABLE SHEET	05/03/18
3	ADDRESSES COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	04/13/18
2	ADDRESSES COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE PUBLIC PLANNING HILL DEVELOPER	03/02/18
1	ADDRESSES COMMENTS FROM PLANNING GROUP MEMO DATED 02/16/18 & INPUT FROM ARCHITECTURE MEETING HELD 02/16/18	01/19/18
NO.	REVISION DESCRIPTION	DATE

ABONMARCHÉ
 PROJECT: BLODGETT HOSPITAL & PARKING CAMPUS STRATEGY & PARKING 1840 WEALTHY STREET GRAND RAPIDS, MI 49503
 SHEET TITLE: REMOVALS PLAN - SOUTH
 SCALE: 1" = 30'
 SHEET NO: 28144
 DATE: 12-15-2017
 DRAWN BY: AKG
 DESIGNED BY: ABD
 CHECKED BY: BCM
 QUOTE BY: JWL
 SIGNATURE: _____
 DATE: _____
 MAKE COPY REFERENCED TO BE CHANGES AND GRAPHIC DEPART MA NOT BE ACCURATE FOR ANY OTHER SHEET
 Abonmarche - December 15, 2019 - 10:17am
C3.2

EXISTING FEATURES LEGEND

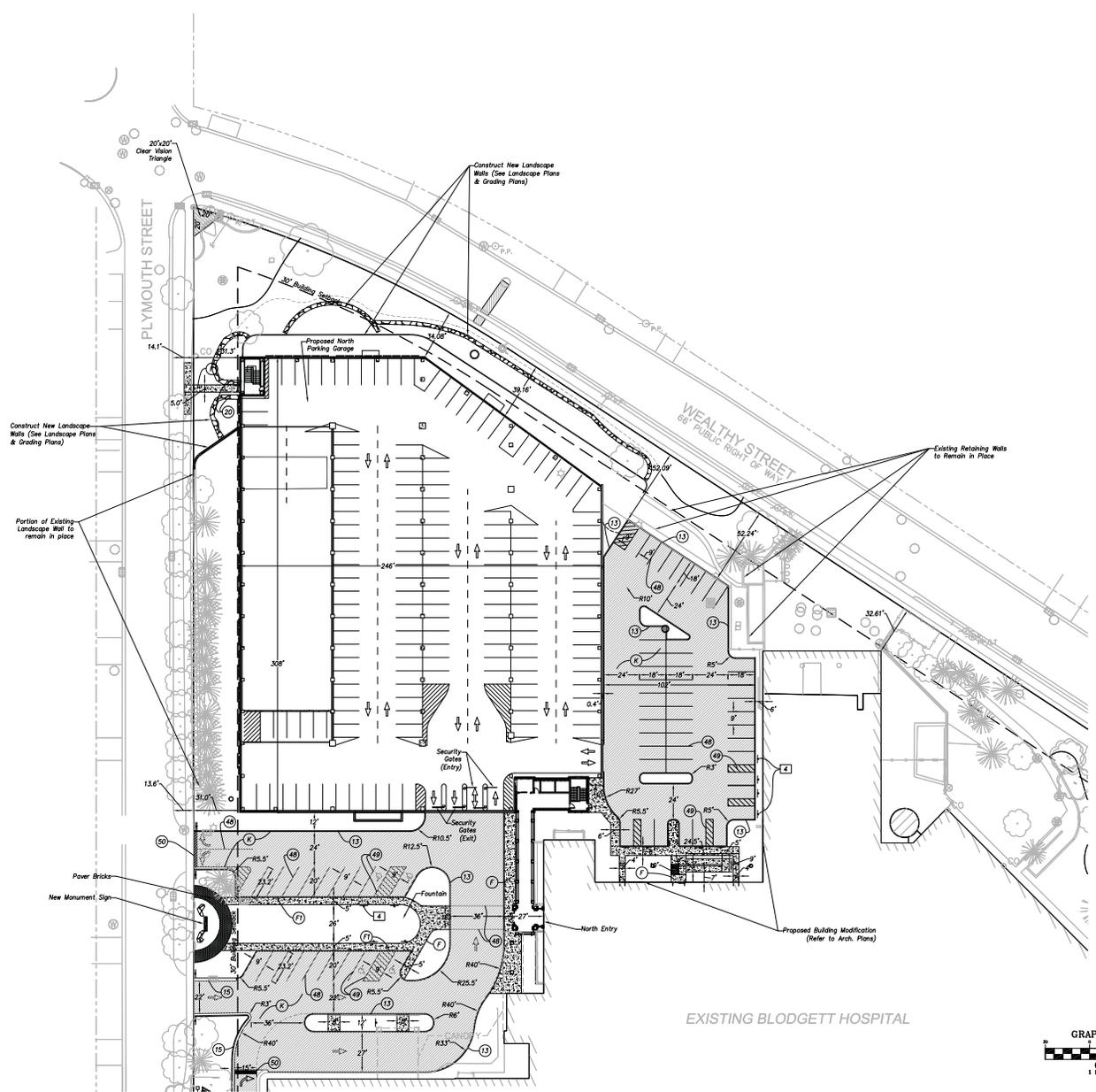
- Monument
- Property Iron Set
- Property Iron Found
- Traffic Signal Pole
- Ballast Light
- Light Pole
- Flood Light
- Sign
- FP Flag Pole
- CO Cleanout
- TP Telephone Pole
- EH Electrical Hand Hole
- Tel, Elec, Catv, Gas, Water River
- Tel, Elec, Gas, Water Manhole
- Tel, Elec, Catv, Gas Marker
- Catch Basin
- Manhole
- SPR Sprinkler
- Valve & Box
- Hydrant
- Spot Elevation
- Property Boundary
- Major Contour - 5 ft. Interval
- Minor Contour - 1 ft. Interval
- Guard Rail
- Fence Line
- Storm Sewer
- Sanitary Sewer
- Watermain
- Gas main
- UGT Underground Telephone Line
- FO Underground Fiber Optic Line
- UOE Underground Electric Line
- Ditch Centerline
- Deciduous Tree
- Coniferous Tree
- Building

KEYNOTE LEGEND - PROPOSED IMPROVEMENTS:

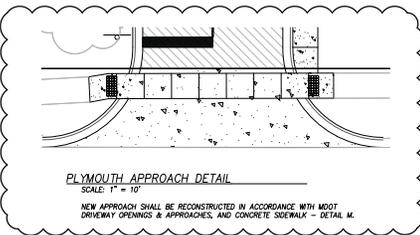
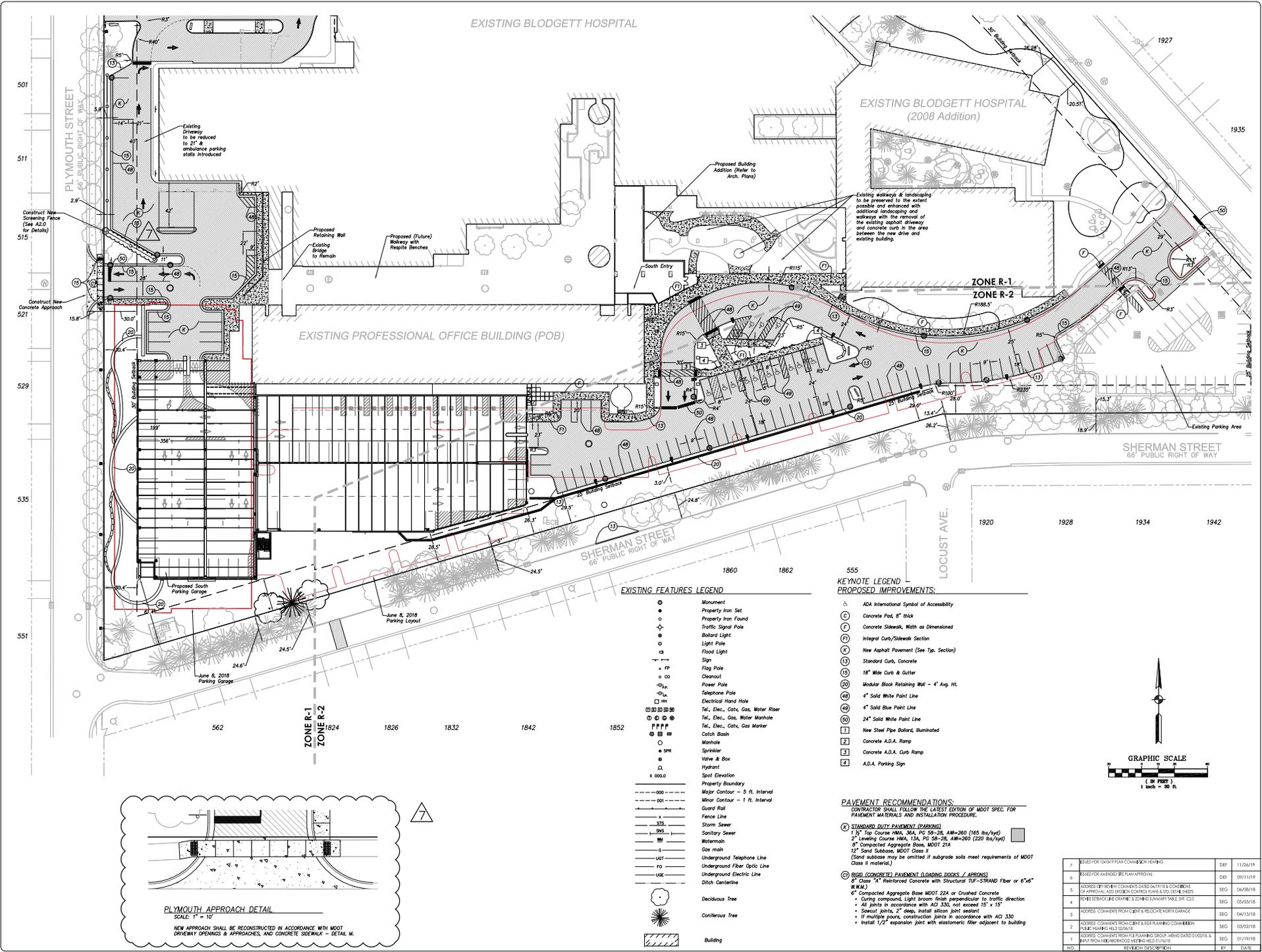
- 5 ADA International Symbol of Accessibility
- 6 Concrete Pad, 8" Thick
- 7 Concrete Sidewalk, Width as Dimensioned
- 8 Integral Curb/Sidewalk Section
- 9 New Asphalt Pavement (See Typ. Section)
- 10 Standard Curb, Concrete
- 11 18" Wide Curb & Gutter
- 12 Modular Block Retaining Wall - xx" Arg. HT.
- 13 4" Solid White Paint Line
- 14 4" Solid Blue Paint Line
- 15 24" Solid White Paint Line
- 16 New Steel Pipe Bollard, Illuminated
- 17 Concrete A.D.A. Ramp
- 18 Concrete A.D.A. Curb Ramp
- 19 A.D.A. Parking Sign (Typ. of 14)

PAVEMENT RECOMMENDATIONS:

- CONTRACTOR SHALL FOLLOW THE LATEST EDITION OF MOOT SPEC. FOR PAVEMENT MATERIALS AND INSTALLATION PROCEDURE.
- ① STANDARD DUTY PAVEMENT (PARKING)
 - 1 1/2" Top Course HMA, 36A, PG 58-28, AWM-260 (165 lb/syd)
 - 2" Leveling Course HMA, 13A, PG 58-28, AWM-260 (220 lb/syd)
 - 8" Compacted Aggregate Base, MDOT 21A
 - 12" Sand Subbase, MDOT Class II (Sand subbase may be omitted if subgrade soils meet requirements of MDOT Class II material.)
 - ② ROAD (CONCRETE) PAVEMENT (LOADING DOCKS / APRONS)
 - 8" Class "A" Reinforced Concrete with Structural TUF-STRAND Fiber or 6"x6" W.W.M.
 - 6" Compacted Aggregate Base MDOT 22A or Crushed Concrete
 - + Curing compound, Light Brown Finish perpendicular to traffic direction
 - + All joints in accordance with ACI 309, not exceed 15' x 15'
 - + Sawcut joints, 2" deep, install silicon joint sealant
 - + If multiple pours, construction joints in accordance with ACI 330
 - + Install 1/2" expansion joint with elastomeric filler adjacent to building



(See Sheet C4.2 for Continuation)



EXISTING FEATURES LEGEND

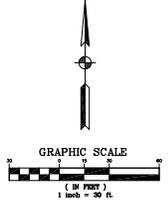
- Monument
- Property Iron Set
- Property Iron Found
- Traffic Signal Pole
- Ballast Light
- Light Pole
- Flood Light
- Sign
- Flag Pole
- Chisnout
- Power Pole
- Telephone Pole
- Electrical Hand Hole
- Tel., Elec., Gas, Water Marker
- Tel., Elec., Gas, Water Marker
- Catch Basin
- Manhole
- SPR
- Valve & Box
- Hydrant
- Spot Elevation
- Property Boundary
- Major Contour - 5 ft. Interval
- Minor Contour - 1 ft. Interval
- Guard Rail
- Fence Line
- Storm Sewer
- Sanitary Sewer
- Watermain
- Gas main
- UST
- Underground Telephone Line
- Underground Fiber Optic Line
- Underground Electric Line
- Ditch Centerline
- Deciduous Tree
- Coniferous Tree
- Building

KEYNOTE LEGEND

- PROPOSED IMPROVEMENTS:**
- ADA International Symbol of Accessibility
 - Concrete Pad, 6" thick
 - Concrete Sidewalk, Width as Dimensioned
 - Integral Curb/Sidewalk Section
 - New Asphalt Pavement (See Typ. Section)
 - Standard Curb, Concrete
 - 18" Wide Curb & Gutter
 - Modular Block Retaining Wall - 4' Avg. Ht.
 - 4" Solid White Paint Line
 - 4" Solid Blue Paint Line
 - 24" Solid White Paint Line
 - New Steel Pipe Bollard, Illuminated
 - Concrete A.D.A. Ramp
 - Concrete A.D.A. Curb Ramp
 - A.D.A. Parking Sign

PAVEMENT RECOMMENDATIONS:

- CONTRACTOR SHALL FOLLOW THE LATEST EDITION OF MDOT SPEC. FOR PAVEMENT MATERIALS AND INSTALLATION PROCEDURE.
- STANDARD DUTY PAVEMENT (PARKING)
 - 1 1/2" Top Course HMA, 36A, PG 58-28, AWM-260 (165 lbs/syd)
 - 2" Leveing Course HMA, 13A, PG 58-28, AWM-260 (220 lbs/syd)
 - 6" Compacted Aggregate Base, MDOT 21A
 - 12" Sand Subbase, MDOT Class 1
 - (Sand subbase may be omitted if subgrade soils meet requirements of MDOT Class II material.)
 - BIDD. CONCRETE PAVEMENT (LOADING DOCKS / APRONS)
 - 8" Class "A" Reinforced Concrete with Structural TUF-STRAND Fiber or 6"x6" W.I.A.M.
 - 4" Compacted Aggregate Base MDOT 22A or Crushed Concrete
 - Curing compound, Light broom finish perpendicular to traffic direction
 - All joints in accordance with AGC 330, not exceed 12"
 - Sawcut joints, 2" deep, install silicon joint sealant
 - If multiple joints, construction joints in accordance with AGC 330
 - Install 1/2" expansion joint with elastomeric filler adjacent to building



NO.	REVISION	DATE	BY
7	ISSUED FOR 12/15/2017 CONSTRUCTION PERMITTING	DEC	11/26/19
6	ISSUED FOR APPROVED SITE PLAN APPROVAL	DEC	09/11/19
5	ISSUED BY PERMITS CONVERSION DATED 04/15/19. COMMENT: CHANGES TO APPROVAL AND LEGION CONTROL PLANS & STD. DETAILS SHEETS	DEC	04/05/18
4	REVISE SEWER LINE GRAPHIC'S ZONING SUMMARY TABLE SHE. CLOS	DEC	03/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	DEC	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	DEC	03/02/18
1	PERMITS CONVERSION FROM PLANNING GROUP MEMO DATED 03/01/18 & INPUT FROM ARCHITECTURE MEETING HELD 03/01/18	DEC	01/19/18
NO.	REVISION	DATE	BY

ABONMARCHÉ
ARCHITECTURE & PLANNING
1840 WEALTHY STREET
GRAND RAPIDS, MI 49503
PHONE: 616.455.1100
WWW.ABONMARCHÉ.COM

SPECTRUM HEALTH
BLODGETT HOSPITAL
CAMPUS STRATEGY & PARKING
1840 WEALTHY STREET
GRAND RAPIDS, MI 49503

SITE IMPROVEMENT PLAN - SOUTH

SCALE: 1" = 30'
ACE JOB # 17-0551
SH# 28144

C4.2

DATE: 12-15-2017
SHEET NO. 17 OF 18

STRUCTURE DATA TABLE

STORM SEWER SIZED FOR A 10 YEAR, 30 MINUTE STORM EVENT

Structure Number	Downstream	Rim	Area (sf)	Area (Ac)	Structure C	Structure CA	Total Area Cumulative (Ac)	Cumulative Intensity Q Req'd (in/hr)	Length (ft)	Pipe Dia (inches)	Slope (ft/100 ft)	Q Prov' (cfs)	Velocity (ft/sec)	Upper I/E	Lower I/E	Pipe Dia Change, Drop	Downstream Str. Drop	Rim Up	Rim Down	Pavement Depth	Cover Up	Cover Down	Structure	Outlet			
Site Storm Sewer	10		5249.30	1.34	0.00	0.00	1.34	0.90	1.21	4.40	5.32	21	12	2.50	5.65	7.2	739.18	739.50	0.00	0.00			7.72		St 113		
110	EX-CB-11	147.60	0.00	0.00	0.00	0.00	1.34	0.90	1.21	4.40	5.32	21	12	2.50	5.65	7.2	739.18	739.50	0.00	0.00	147.60	1.69	1.69	Site Manhole	EX-CB-11		
111	12	768.50	1000.00	0.32	0.27	0.01	0.62	0.43	0.01	4.40	0.64	56	5	0.40	0.36	1.8	760.95	769.78	0.00	1.90	768.50	769.50	0.00	5.85	6.12	24 Dia Inlet	St 112
112	13	768.50	1000.00	0.32	0.30	0.01	0.65	0.42	0.02	4.40	0.76	61	5	0.40	0.36	1.8	758.76	768.14	0.00	0.00	768.50	768.77	0.00	7.12	5.03	24 Dia Inlet	St 113
113	EX-CB-86	763.77	1000.00	0.31	0.36	0.02	0.63	0.34	0.04	4.40	0.18	35	12	0.40	2.26	2.5	758.14	768.09	0.00	0.00	763.77	763.76	0.00	4.40	3.93	Site Manhole	EX-CB-86
114	EX-CB-81	763.00	1000.00	0.30	0.40	0.06	0.67	0.36	0.06	4.40	0.20	39	12	0.40	3.28	3.0	760.46	768.00	0.00	0.00	763.00	764.20	0.00	6.79	4.70	Site Manhole	EX-CB-81
115	EX-CB-41	760.50	1000.00	0.27	0.20	0.01	0.07	0.14	0.01	4.40	0.28	6	12	0.40	0.36	2.9	761.55	768.33	0.00	0.00	760.50	761.26	0.00	1.32	2.36	24 Dia Inlet	EX-CB-41
116	EX-CB-5	766.74	1000.00	0.31	0.30	0.01	0.03	0.37	0.01	4.40	0.04	71	6	1.00	0.36	3.9	762.81	761.52	0.00	0.00	766.74	766.65	0.00	3.93	2.95	Trunk Catch	EX-CB-5

DRAWING LEGEND

- FF Finished Floor Elevation
- TC Top of Curb Elevation
- P Pavement Elevation
- G Ground Elevation
- R Rim Elevation
- TW Top of Wall Elevation
- W Sidewalk Elevation
- GR Gravel Elevation
- Drainage / Grading Direction
- * Denotes Existing Elevation (Field Verify)

DRAINAGE NOTES

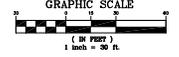
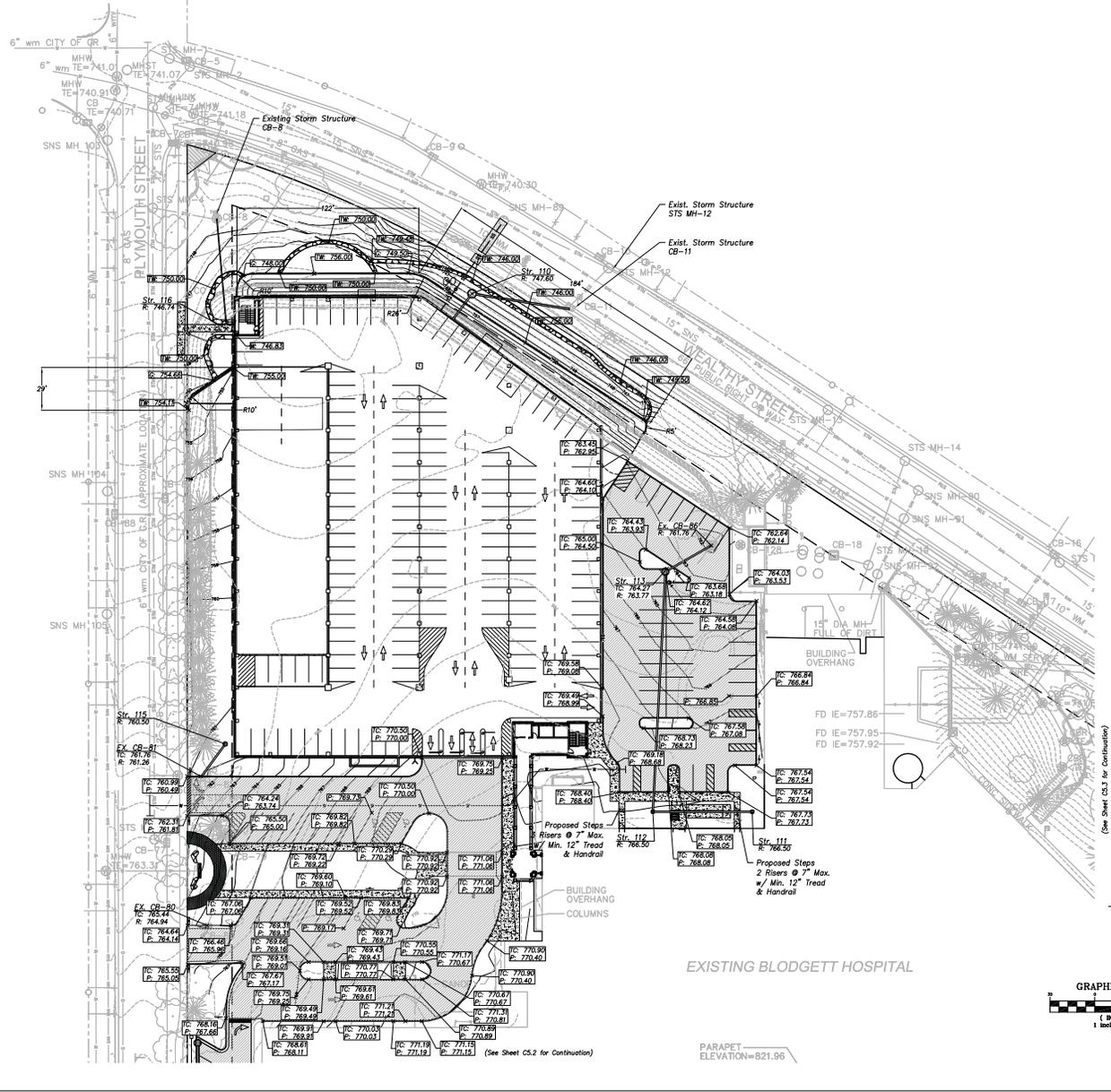
- Construction shall conform to the requirements set forth by the City of East Grand Rapids.
- Storm sewer material shall be HDPE corrugated smooth-lined for cover greater than 2 feet above top of pipe, RCP Class II for cover less than 2 feet above top of pipe, RCP Class I for cover less than one foot above top of pipe, or unless otherwise specified. Pipes shall be bedded as required for pipe material, and backfilled in 6" lifts with clean suitable granular material and compacted to 100% Standard Proctor.
- All roof downspouts shall be connected to the storm sewer. Contractor shall review the Architect's Plans prior to construction to account for all downspouts and coordinate with the Developer prior to sewer installation.
- All open castings shall be embossed with "Dump No Waste," "Drains to Waterways" and have the "fish" inlay. All solid floor castings shall be embossed with "STORM".
- Any topsoil or silt material present in the storm sewer structures after construction is completed shall be removed by the Contractor prior to acceptance by the Developer and at no additional expense. The bottom shall be free of construction silt to allow proper drainage.
- Discrepancies or conflicts in the plans and/or site conditions shall be communicated to the Surveyor/Engineer to ensure that clarifications and/or revisions can be made prior to construction.

GRADING NOTES

- All topsoil shall be removed/stripped onsite at a location approved by the Developer. A minimum of four (4) inches of topsoil shall be placed on all disturbed areas outside the buildings and parking areas.
- All exposed subgrade shall be proof-rolled and witnessed by a Geotechnical Engineer to determine unsuitable soil locations prior to any grading operations. Any unsuitable soil shall be excavated, backfilled, and compacted with suitable material in accordance with the Geotechnical Report.
- Positive drainage shall be maintained to prevent any ponding of water or encroachment into adjacent properties.
- Finish grade at doorways equals the finished floor unless otherwise noted.
- All curb ends shall transition from the 6-inch reveal to 0-inch reveal over 2 feet.
- Contractor is responsible for meeting current ADA guidelines for all sidewalks, ramps, patios, and parking/drives.
- Contractor to review proposed pavement and sidewalk grades with the Architect's drawings prior to construction to ensure all building doors have proper accessible access.
- Contractor shall field verify the water table elevation, finished floor elevation and finishes to existing features and report any discrepancies to the Engineer.

EXISTING STORM STRUCTURE INFO.

- STS MH-4
E: 745.86
E: 745.86
E: 15' (S) 742.88
- CE-9
E: 744.68
E: 15' (S) 742.70
E: 15' (S) 742.70
- CE-10
E: 739.98
E: 12' (SE) 736.60
- STS MH-12
E: 744.68
E: 15' (S) 742.70
E: 15' (S) 742.70
- CE-40
E: 744.68
E: 12' (SE) 741.60
- CE-41
E: 741.70
E: 12' (SE) 738.30
- CE-86
E: 737.08
E: 12' (SE) 730.81
- CE-86
E: 737.08
E: 12' (SE) 730.81



OWNER: BLODGETT HOSPITAL
DESIGNER: ABONMARCHÉ
DATE: 12-15-2017

BLODGETT HOSPITAL
CAMPUS STRATEGY & PARKING
1840 WEALTHY STREET
GRAND RAPIDS, MI 49503

NO. 5
REVISED BY: [blank]
DATE: [blank]

AKG

ABD

BCM

12-15-2017

1" = 30'

17-0551

28144

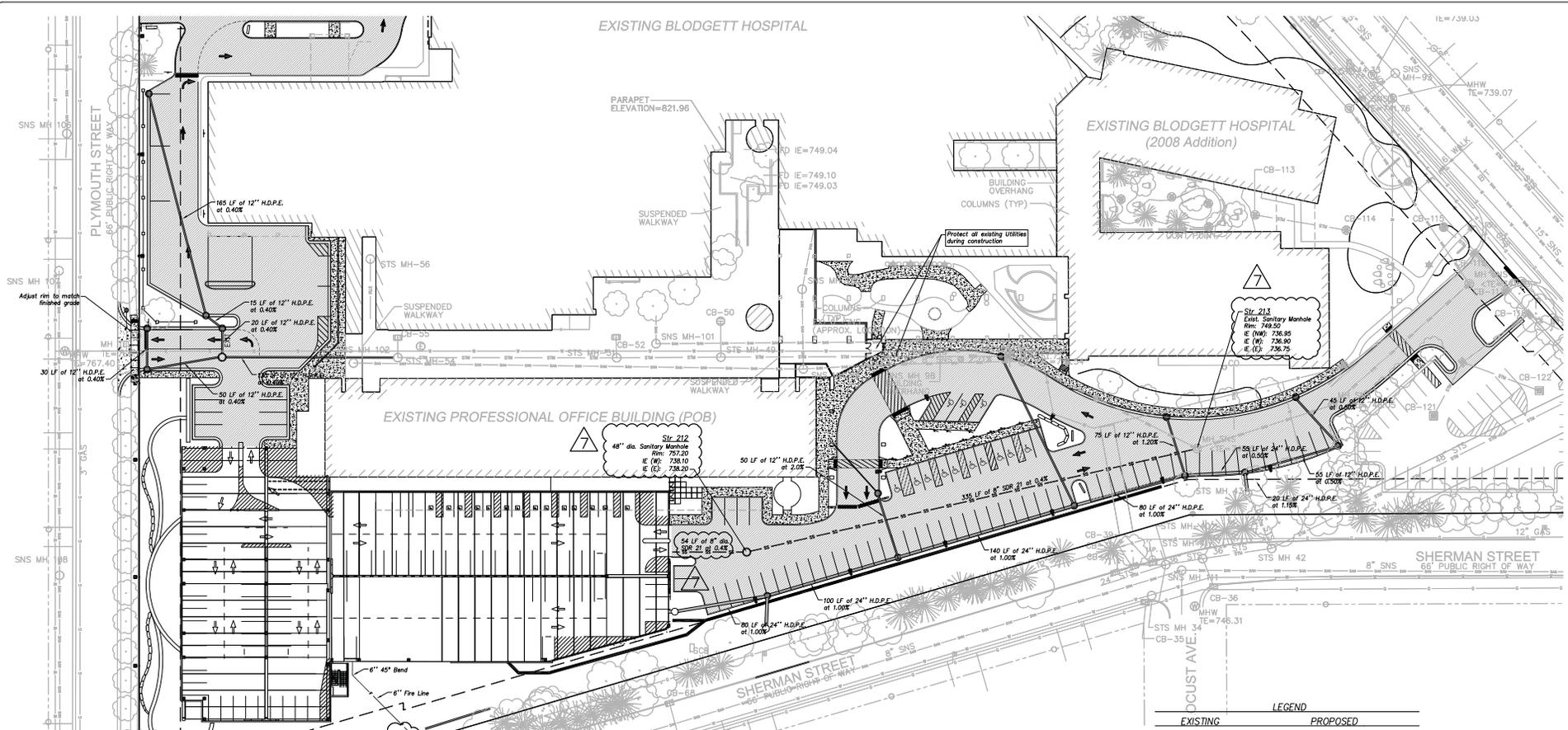
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1" = 30'

EXISTING BLODGETT HOSPITAL

EXISTING BLODGETT HOSPITAL
(2008 Addition)

EXISTING PROFESSIONAL OFFICE BUILDING (POB)



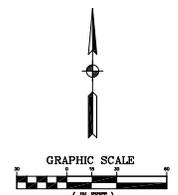
UTILITIES NOTES

- Utility Construction and Testing shall be in accordance with the standards for the City of East Grand Rapids.
- Water and sewer pipes shall have a minimum horizontal separation of 10 feet from edge of pipe to edge of pipe. Whenever water pipes must cross above or below sewer pipes, a minimum vertical separation of 18 inches is required between the outside of the water pipe and the outside of the sewer pipe. If this cannot be met, the sewer pipe shall be constructed of water grade pipe meeting AWWA Standards for a distance of 10 feet each side of the water pipe. At crossings, one full length of water pipe shall be installed so that the joints will be as far from the sewer pipe as possible.
- Contractor shall request utility locates through MGS 800 811 and also contact all utility companies prior to construction to confirm locations of underground utilities. Any damages done to any public and/or private properties during construction shall be repaired at the Contractor's expense.
- All utilities, such as natural gas, electric, internet and telephone shall be underground and installed within PVC conduit for locations under pavements, sidewalks, and curbs.
- Contractor shall obtain all necessary project permits from all respective governmental agencies.
- All backfill for pipe trenches and site grading shall be performed in 6-inch lifts maximum and compacted to 100% Standard Proctor to proposed subgrade. Pipe bedding shall also be in accordance with ASTM D-2321. All testing shall be done by a qualified soil testing firm approved by the owner.
- Contractor shall verify the water table and include in the bid cost for dewatering. The water table shall be lowered to 24 inches below the pipe invert prior to installation.
- Water main and services shall have a minimum cover of 5 feet above the pipe.
- If there are lawn sprinklers, the main sprinkler service line shall branch off the domestic service inside the building and contain a separate meter.
- Pipe lengths for sanitary sewer are measured to outside of structure.
- Paving Contractor is responsible for adjusting all castings located in the pavement to final grade. The Sewer Contractor shall install all castings to within 0.1 feet of finished grade.
- Contractor shall supply As-Built Record Drawings with actual field locations and elevations to the Owner/Developer and Engineer upon completion of work.
- Contractor shall coordinate with local utility companies and architectural construction plans on conduit locations and depths from the existing building structure to the new building addition prior to installation.
- Contractor to verify sanitary lateral connection points and depths, and other utility service points at building with architect prior to construction.
- See architect's drawings for connections from existing building's plumbing, electrical, gas, and other existing utility services. No new utility connections from street are proposed.
- Contractor shall contact the City of East Grand Rapids Fire official to coordinate water main pressure test. Water main shall be pressure tested per the standards of the City of East Grand Rapids Fire Inspector.
- Proposed routing location for electric service, telephone/data, and gas from existing building shall be coordinated by Contractor as required by the local utility provider and approved by the Owner.
- Refer to Electrical Plans for information regarding proposed light locations, type, and wattages.

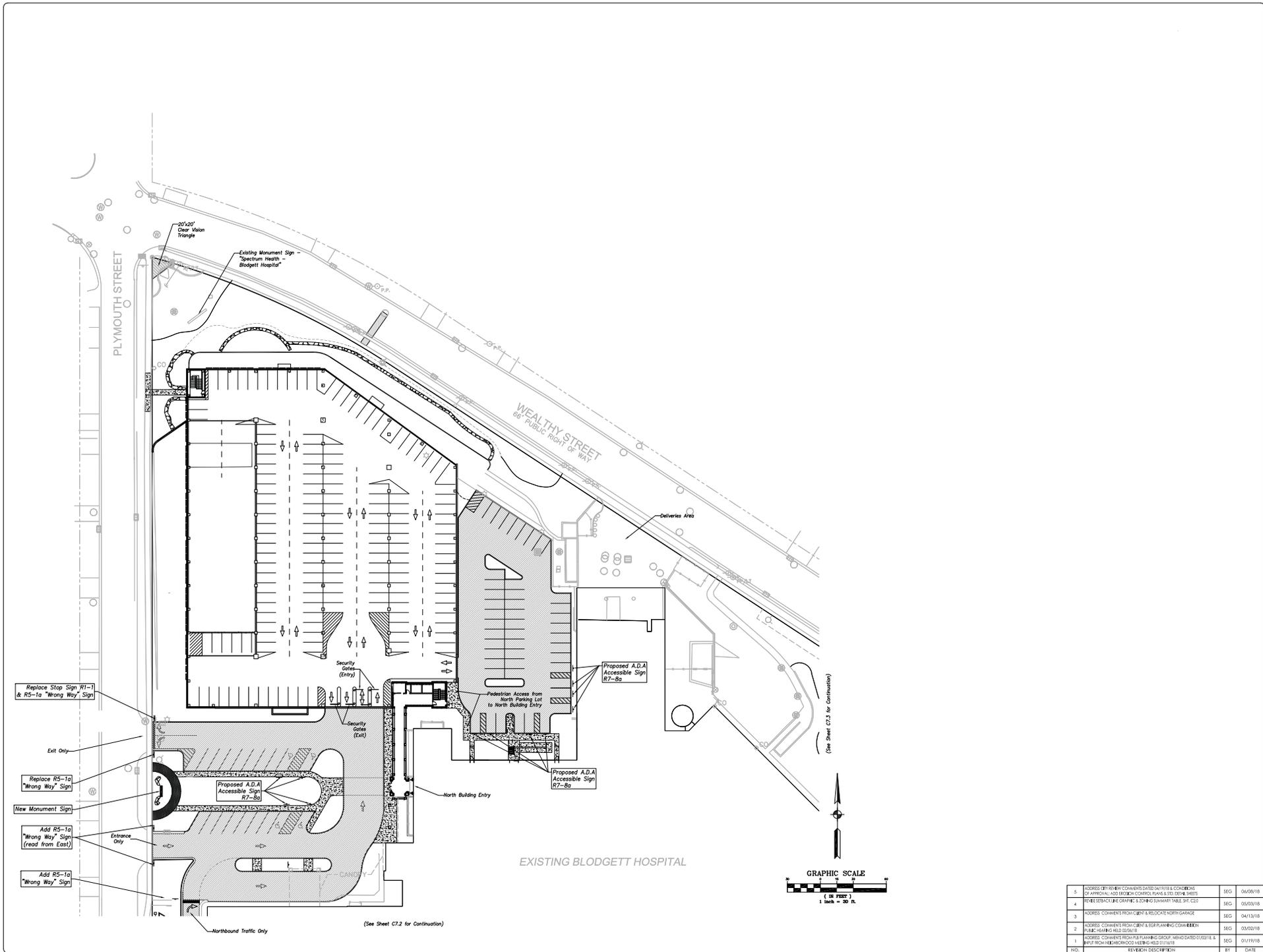
STS MH-1 E 12' (NW)=738.83	STS MH-2 E 12' (NW)=737.70 E 12' (NW)=738.00 E 12' (NW)=737.00	STS MH-3 E 12' (NW)=738.86 E 12' (NW)=738.08	STS MH-4 E 12' (NW)=738.74	STS MH-5 E 12' (NW)=737.48	STS MH-6 E 12' (NW)=737.10	STS MH-7 E 12' (NW)=737.10	STS MH-8 E 12' (NW)=737.10	STS MH-9 E 12' (NW)=737.10	STS MH-10 E 12' (NW)=737.10	STS MH-11 E 12' (NW)=737.10	STS MH-12 E 12' (NW)=737.10	STS MH-13 E 12' (NW)=737.10	STS MH-14 E 12' (NW)=737.10	STS MH-15 E 12' (NW)=737.10	STS MH-16 E 12' (NW)=737.10	STS MH-17 E 12' (NW)=737.10	STS MH-18 E 12' (NW)=737.10	STS MH-19 E 12' (NW)=737.10	STS MH-20 E 12' (NW)=737.10	STS MH-21 E 12' (NW)=737.10	STS MH-22 E 12' (NW)=737.10	STS MH-23 E 12' (NW)=737.10	STS MH-24 E 12' (NW)=737.10	STS MH-25 E 12' (NW)=737.10	STS MH-26 E 12' (NW)=737.10	STS MH-27 E 12' (NW)=737.10	STS MH-28 E 12' (NW)=737.10	STS MH-29 E 12' (NW)=737.10	STS MH-30 E 12' (NW)=737.10	STS MH-31 E 12' (NW)=737.10	STS MH-32 E 12' (NW)=737.10	STS MH-33 E 12' (NW)=737.10	STS MH-34 E 12' (NW)=737.10	STS MH-35 E 12' (NW)=737.10	STS MH-36 E 12' (NW)=737.10	STS MH-37 E 12' (NW)=737.10	STS MH-38 E 12' (NW)=737.10	STS MH-39 E 12' (NW)=737.10	STS MH-40 E 12' (NW)=737.10	STS MH-41 E 12' (NW)=737.10	STS MH-42 E 12' (NW)=737.10	STS MH-43 E 12' (NW)=737.10	STS MH-44 E 12' (NW)=737.10	STS MH-45 E 12' (NW)=737.10	STS MH-46 E 12' (NW)=737.10	STS MH-47 E 12' (NW)=737.10	STS MH-48 E 12' (NW)=737.10	STS MH-49 E 12' (NW)=737.10	STS MH-50 E 12' (NW)=737.10	STS MH-51 E 12' (NW)=737.10	STS MH-52 E 12' (NW)=737.10	STS MH-53 E 12' (NW)=737.10	STS MH-54 E 12' (NW)=737.10	STS MH-55 E 12' (NW)=737.10	STS MH-56 E 12' (NW)=737.10	STS MH-57 E 12' (NW)=737.10	STS MH-58 E 12' (NW)=737.10	STS MH-59 E 12' (NW)=737.10	STS MH-60 E 12' (NW)=737.10	STS MH-61 E 12' (NW)=737.10	STS MH-62 E 12' (NW)=737.10	STS MH-63 E 12' (NW)=737.10	STS MH-64 E 12' (NW)=737.10	STS MH-65 E 12' (NW)=737.10	STS MH-66 E 12' (NW)=737.10	STS MH-67 E 12' (NW)=737.10	STS MH-68 E 12' (NW)=737.10	STS MH-69 E 12' (NW)=737.10	STS MH-70 E 12' (NW)=737.10	STS MH-71 E 12' (NW)=737.10	STS MH-72 E 12' (NW)=737.10	STS MH-73 E 12' (NW)=737.10	STS MH-74 E 12' (NW)=737.10	STS MH-75 E 12' (NW)=737.10	STS MH-76 E 12' (NW)=737.10	STS MH-77 E 12' (NW)=737.10	STS MH-78 E 12' (NW)=737.10	STS MH-79 E 12' (NW)=737.10	STS MH-80 E 12' (NW)=737.10	STS MH-81 E 12' (NW)=737.10	STS MH-82 E 12' (NW)=737.10	STS MH-83 E 12' (NW)=737.10	STS MH-84 E 12' (NW)=737.10	STS MH-85 E 12' (NW)=737.10	STS MH-86 E 12' (NW)=737.10	STS MH-87 E 12' (NW)=737.10	STS MH-88 E 12' (NW)=737.10	STS MH-89 E 12' (NW)=737.10	STS MH-90 E 12' (NW)=737.10	STS MH-91 E 12' (NW)=737.10	STS MH-92 E 12' (NW)=737.10	STS MH-93 E 12' (NW)=737.10	STS MH-94 E 12' (NW)=737.10	STS MH-95 E 12' (NW)=737.10	STS MH-96 E 12' (NW)=737.10	STS MH-97 E 12' (NW)=737.10	STS MH-98 E 12' (NW)=737.10	STS MH-99 E 12' (NW)=737.10	STS MH-100 E 12' (NW)=737.10
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EXISTING LEGEND PROPOSED

○	Monument
●	Property Iron Set
○	Property Iron Found
▲	Traffic Signal Pole
●	Bollard Light
○	Light Pole
○	Flood Light
○	Sign
○	Flag Pole
○	Cleanout
○	Power Pole
○	Telephone Pole
○	Electrical Hand Hole
○	Tel. Elec. Cuts, Gas, Water River
○	Tel. Elec. Cuts, Gas, Water Marker
○	Catch Basin
○	Manhole
○	Sprinkler
○	Valve & Box
○	Hydrant
○	Spot Elevation
○	Property Boundary
○	Major Contour - 5 ft. Interval
○	Minor Contour - 1 ft. Interval
○	Guard Rail
○	Finch Line
○	Storm Sewer
○	Sanitary Sewer
○	Watermain
○	Gas Main
○	Underground Telephone Line
○	Underground Fiber Optic Line
○	Underground Electric Line
○	Ditch Centerline
○	Deciduous Tree
○	Coniferous Tree
○	Building



ABONMARCHÉ
 PROJECT: BLODGETT HOSPITAL CAMPUS STRATEGY & PARKING 1840 WEALTHY STREET GRAND RAPIDS, MI 49503
 DATE: 12-15-2017
 DRAWN BY: AKG
 CHECKED BY: ABD
 DESIGNED BY: BCM
 PROJECT NO: 17-0551
 SHEET NO: 28144
 SCALE: 1" = 30'
 DATE: November 26, 2019 - 11:56am



PROJECT: _____

DATE: 12-15-2017

SEAL: _____

MODELER BY: **AKG**

DESIGNED BY: **ABD**

PIA REVIEW: **BCM**

QA/QC REVIEW: **JWL**

SIGNATURE: _____

DATE: _____

SCALE: 1" = 30'

DATE: 06/08/18

SEC: 05/03/18

SEC: 04/13/18

SEC: 03/02/18

SEC: 01/19/18

BY: _____

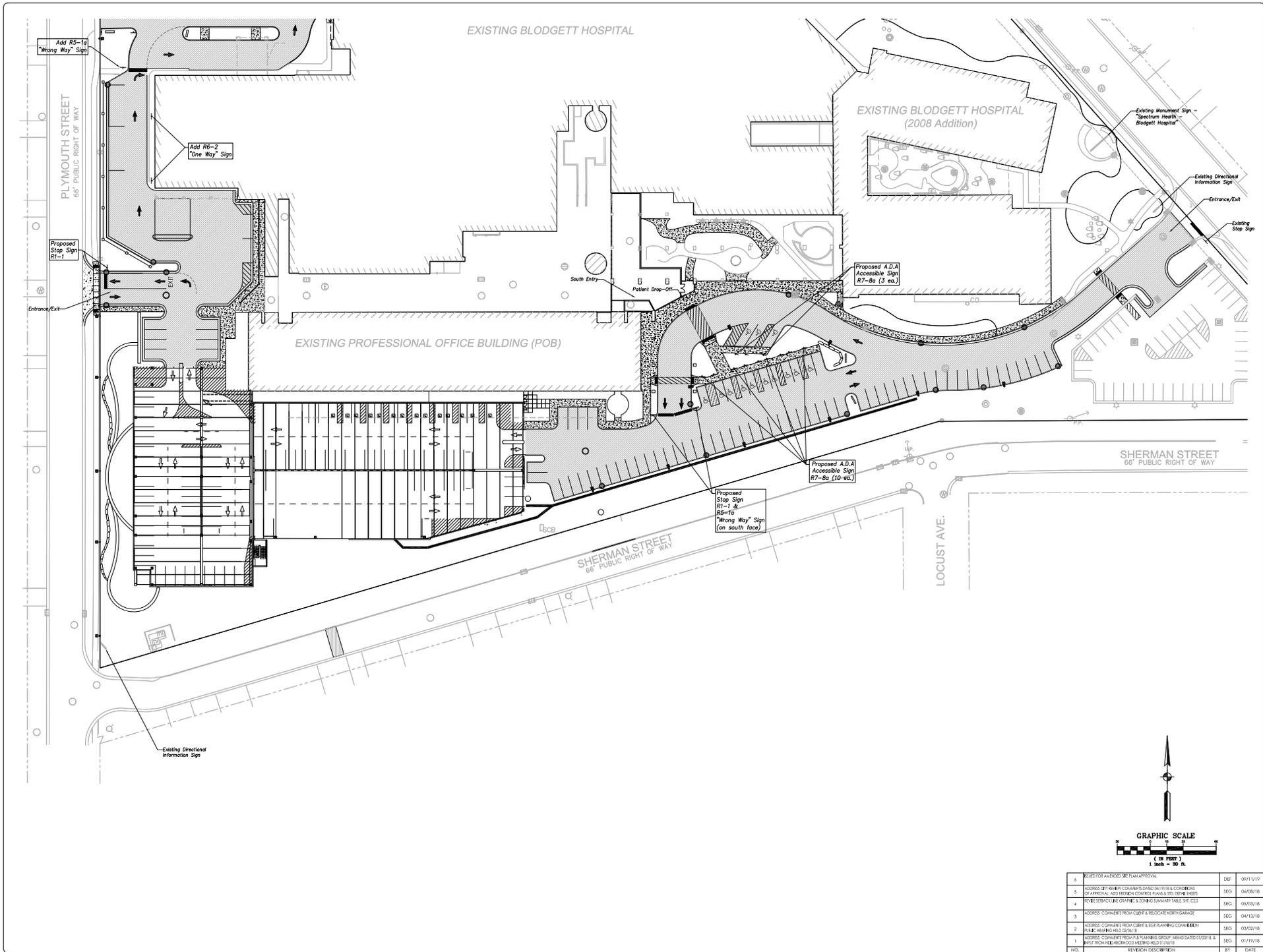
DATE: _____

ACR JOB # **17-0551**

SHEET # **28144**

SHEET NO. **C7.1**

NO.	REVISION DESCRIPTION	DATE
5	ISSUED BY PERMITS COMMENTS DATED 04/15/18. COMMENT: APPROVAL/ADD REGION CONTROL PLANE & 80' DETAIL SHEET	06/08/18
4	REVISE STRIPING LINE GRAPHIC'S ZONING SUMMARY TABLE SHEET C02	05/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE. PUBLIC PLANNING HILL DRIVE	03/02/18
1	ADDRESS COMMENTS FROM THE PLANNING GROUP. MINOR CHANGES TO SIGNAGE & INPUT FROM HIGHWAY DESIGN CONSULTANTS	01/19/18



SHEET TITLE:

MODELER BY: **AKG**

DESIGNED BY: **ABD**

PIA REVIEW: **BCM**

QA/QC REVIEW: **JWL**

DATE: **12-15-2017**

SCALE:

SIGNATURE:

DATE:

DATE: 09/11/19

DATE: 06/09/18

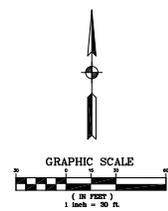
DATE: 05/03/18

DATE: 04/13/18

DATE: 03/02/18

DATE: 01/19/18

DATE:



NO.	REVISION DESCRIPTION	DATE
6	REVISED FOR AMBROSIO SITE PLAN APPROVAL	09/11/19
5	ISSUED BY PERMITS COMMENTS DATED 04/18/18. COMMENT: NO. OF APPROVAL. ADD LEGION CONTROL PLANS & SDS. DETAIL SHEETS	06/09/18
4	REVISE SEPARATE LINE GRAPHIC'S ZONING SUMMARY TABLE SHEET 022	05/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & RE-PLANNING COMMUNITY PUBLIC HEARING HILL ROUTINE	03/02/18
1	ADDRESS COMMENTS FROM PLANNING GROUP. MEMO DATED 03/01/18 & INPUT FROM ARCHITECTS/ENGINEERS MEETING HILL ROUTINE	01/19/18
NO.	REVISION DESCRIPTION	DATE

SCALE: **1" = 30'**

UNLESS NOTED OTHERWISE

ACR JOB # **17-0551**

SHEET # **28144**

SHEET NO. **C7.2**

Abonmarche - November 26, 2019 - 3:43pm

IRRIGATION NOTES

1. Furnish labor, materials, and equipment necessary to design and install a below ground, fully automatic, 100% coverage irrigation system in all newly planted areas. Irrigation shall be provided on a design building base to irrigate all of the landscape and lawn areas.
2. Irrigation shall be installed by an experienced, licensed irrigation contractor.
3. Contractor shall consider plant material species and their water demand, with efficient water use and conservation to determine quantity of water necessary.
4. Backflow prevention devices and controller shall be installed where directed by Architect.
5. Owner shall provide appropriate power source at the controller location. Contractor will make the final connection from the electrical source to the controller. Verify electrical source location prior to bidding.
6. A rain sensor shall be installed in the vicinity of the controller. Coordinate mounting locations with the owner.
7. Installation of irrigation system including backflow prevention devices and piping shall be based on best industry standards and be in compliance with applicable code requirements.
8. A quick coupling valve shall be located at the irrigation water supply point of connection to provide for a point of injection of compressed air to purge the system of retained water for winterization.
9. Irrigation lines and electric lines under pavement shall be installed in PVC Sch. 40 conduit 24"-36" deep.
10. Irrigation shall have minimal over spray on curbs, streets, and paved areas.
11. Components shall be Rainbird, Toro, Hunter, or approved equal. Where applicable, products shall be the most current EPA WaterSense-tabled.
12. Contractor shall provide detailed shop drawings along with product data for all components.
13. Contractor shall provide an operations manual including manufacturers recommended instruction and maintenance schedule.
14. After installation, contractor shall provide as-built drawings as well as one winterization and start-up the following season.

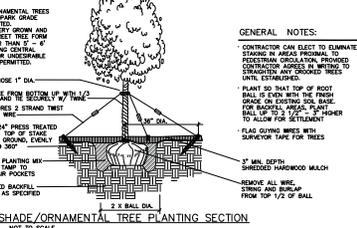
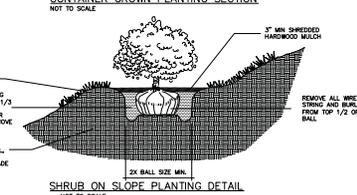
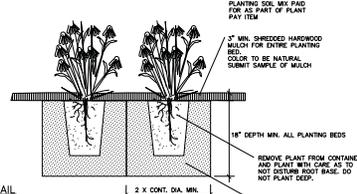
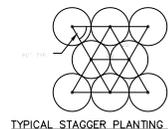
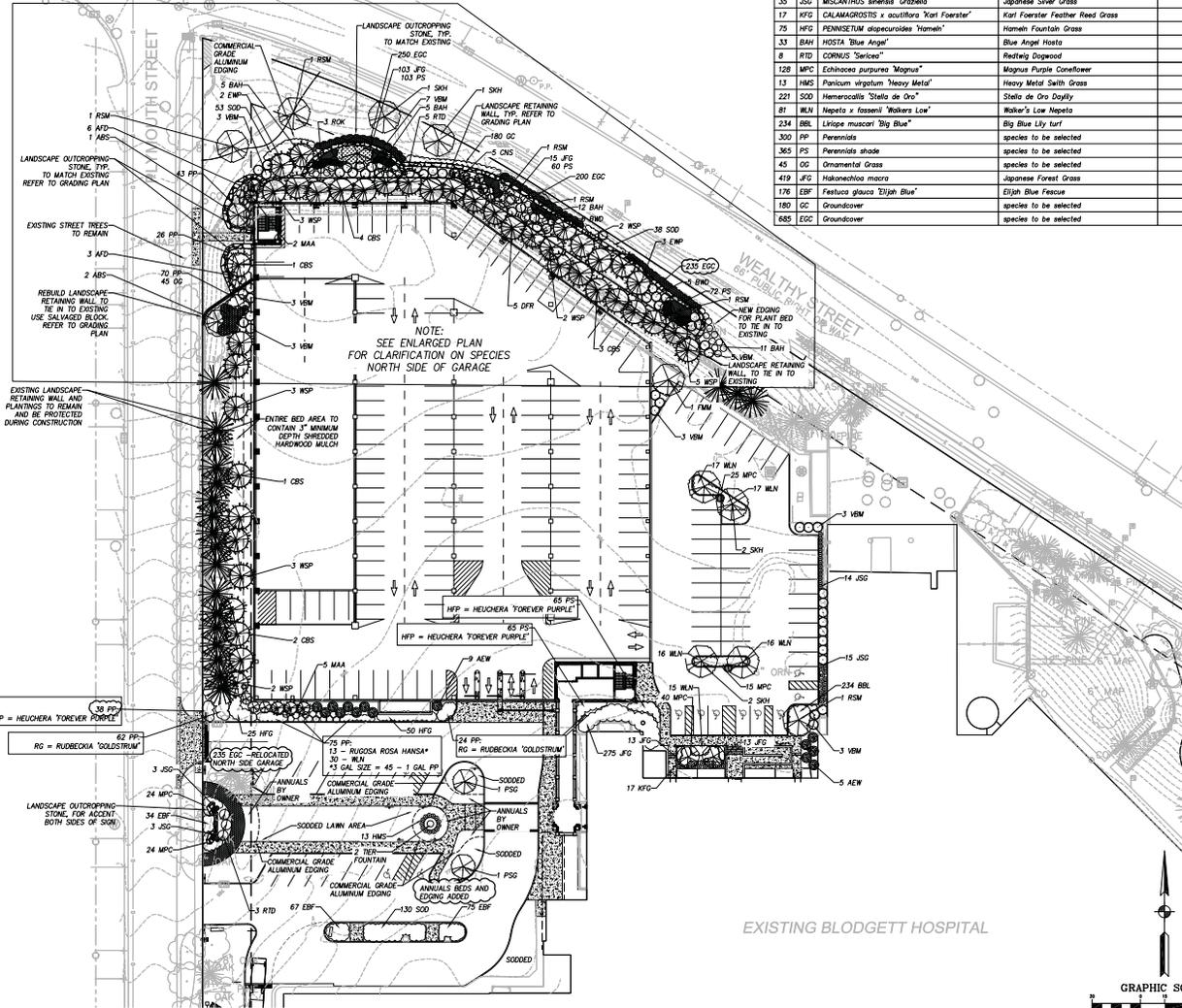
PLANT MATERIAL LIST

QTY	SYM	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	NOTES
5	CNS	<i>Picea abies 'Drapacola'</i>	Columnar Norway Spruce	10' HT	B&B	
5	DPR	<i>PSEUDOTSUGA menziesii</i>	Douglas Fir	10' HT	B&B	
5	EMP	<i>PNUS strobus</i>	Eastern White Pine	10' HT	B&B	
20	WSP	<i>PICEA glauca</i>	White Spruce	10' HT	B&B	
11	CBS	<i>PICEA purgens 'Glaucocolorado'</i>	Colorado Blue Spruce SUB: WHITE FIR	10' HT	B&B	
7	MAA	<i>THUJA occidentalis 'Techny'</i>	Minion American Arborvitae	6' HT	B&B	
6	ROM	<i>ABIES balsamica 'Tremor'</i>	Red Spruce	3" CAL	B&B	6" HL Min Lowest Branches
1	FMW	<i>ABIES x 'memora' 'Armitage'</i>	Armitage Spruce	3" CAL	B&B	6" HL Min Lowest Branches
0	KSD	<i>QUERCUS rubra x bicolor 'Nadea'</i>	Kinked Spill Column Oak	3" CAL	B&B	3" HL Min Lowest Branches
3	ROK	<i>QUERCUS rubra</i>	Red Oak	3" CAL	B&B	6" HL Min Lowest Branches
2	PSG	<i>QUERCUS blanda 'Princeton Sentry'</i>	Princeton Sentry Ginkgo	3" CAL	B&B	6" HL Min Lowest Branches
6	SKH	<i>QUERCUS tinctoria 'Droves'</i>	Street Keeper Honeylocust	2" CAL	B&B	5" HL Min Lowest Branches
5	ABS	<i>AMELANCHIER x grandiflora 'Autumn Brilliance'</i>	Autumn Brilliance Serviceberry	10' HT	B&B	Multi-stem (3 min) Specimen
14	AEW	<i>HAMAMELIS vernalis 'Autumn Embers'</i>	Autumn Embers Witch Hazel	6' HT	5 GAL	
9	AFD	<i>CORNUS sericea 'Farrow'</i>	Artic Fire Red Twig Dogwood	6' HT	5 GAL	
30	VBW	<i>IBURUM</i>	Yuccum	3 GAL	5 GAL	
11	END	<i>BUZUS</i>	Basswood	3 GAL	5 GAL	
0	SPH	<i>ILEX ornata 'Sky Pine'</i>	Sky Pine Japanese Holly	4' HT	B&B	
35	JSD	<i>MISCANTHUS sinensis 'Orzella'</i>	Japanese Silver Grass	2 GAL		
17	KFC	<i>CALAMAGRISTIS x oculiflora 'Karl Foerster'</i>	Karl Foerster Feather Reed Grass	2 GAL		
75	HFC	<i>FENNELSUM atopurpureus 'Hahn'</i>	Hahn Fountain Grass	2 GAL		
33	BAW	<i>HOSTA 'Blue Angel'</i>	Blue Angel Hosta	2 GAL		
8	HTD	<i>CORNUS 'Sericea'</i>	Redtwig Dogwood	1 GAL		
128	MPC	<i>GAULONIA purpurea 'Magnum'</i>	Magnum Purple Coneflower	1 GAL	Stagger Space 24" O.C.	
13	HMS	<i>Phlox paniculata 'Newly Metal'</i>	Heavy Metal Spith Grass	2 GAL	Stagger Space 30" O.C.	
221	SOD	<i>Hemerocallis 'Stella de Oro'</i>	Stella de Oro Daylily	2 GAL	Stagger Space 21" O.C.	
81	MNL	<i>Nepeta x fossenii 'Walkers Low'</i>	Walker's Low Nepeta	1 GAL	Stagger Space 24" O.C.	
234	BLB	<i>Liriope muscari 'Big Blue'</i>	Big Blue Lily Turf	1.25" GAL	Stagger Space 12" O.C.	
305	PP	<i>Pennisetum</i>	specie to be selected	1 GAL	Stagger Space 18" - 24" O.C.	
365	PS	<i>Pennisetum shade</i>	specie to be selected	1 GAL	Stagger Space 18" - 24" O.C.	
45	OD	<i>Ornamental Grass</i>	specie to be selected	2 GAL	Stagger Space 30" O.C.	
419	JFC	<i>Japanese Forest Grass</i>	specie to be selected	2 GAL	Stagger Space 18" O.C.	
176	EPF	<i>Festuca glauca 'Elijah Blue'</i>	Elijah Blue Fescue	1 Gal	Stagger Space 18" O.C.	
180	GC	<i>Groundcover</i>	specie to be selected	3.25" GAL	Stagger Space 12" O.C.	
685	EGC	<i>Groundcover</i>	specie to be selected	3.25" GAL	Stagger Space 12" O.C.	

QUANTITIES SHOWN ON THE PLANT LIST ARE FOR CONTRACTOR'S INFORMATION ONLY. IN CASE OF DISCREPANCY, THE ACTUAL COUNT ON THE LANDSCAPE PLAN PREVAILS. UNDERSTAND PLANT MATERIAL NOT SPECIFICALLY IDENTIFIED ON PLANS WITH TYPE AND QUANTITY SHALL BE DETERMINED BY OWNER AND ARE NOT INCLUDED IN PLANT MATERIAL LIST QUANTITIES. PLANTINGS WITHIN THE ROW WILL BE SELECTED AND FIELD LOCATED TO MEET EXISTING CONDITIONS.

LANDSCAPE NOTES

1. All landscape shall be in accordance with the City of East Grand Rapids Zoning Ordinance.
2. Work shall be performed by a single firm specializing in landscape work with a minimum of the years experience. Landscape contractor is responsible for coordination with other work for proper installation of plant materials and landscape work.
3. Contractor shall inquire of utility companies prior to construction for locations of underground utilities. Any damage done to any public and/or private properties during construction shall be repaired at the contractor's expense.
4. All existing trees not noted for removal shall be protected and maintained without injury and with sufficient area for the root system to sustain the tree. Protective care and physical restraint barriers of the drip line, such as temporary protective fencing shall be provided to prevent installation, compaction or increased depth of the soil in the planting area prior to and during groundworks and construction. Heavy equipment traffic and the storage of construction equipment or materials shall not occur within the drip line of the tree.
5. All plant materials shall be nursery grown and shall meet the latest edition of ANSI Z601 "American Standard for Nursery Stock". All plant materials shall be vigorous stock and free of disease, insects, eggs, larvae, and defects such as knots, sun-scorch, injuries, abrasions or disfigurement. Landscape designer may request a list of nurseries where plant material was acquired from.
6. Tree caliper size indicates the diameter of the trunk (taken at 6" above ground level). All trees to be balled and burlaped, unless otherwise noted.
7. Contractor to notify engineer immediately of any foreign substance that may be damaging to plant material, prior to planting.
8. All soil preparation of planting areas to be done by experienced landscape contractor. Conduct soil test to verify fertility of topsoil. Amend soil if pH is less than 5.5 or greater than 7.0. Discuss with Engineer prior to making any adjustments soil analysis indicates.
9. Keep the soil of all plants moist until they are planted. Check balled and burlaped plants to ensure they are receiving water through burlap material. If plants cannot be planted immediately, roots should be heeled in and covered with mulch.
10. Topsoil to be 6" min depth in all lawn areas. Topsoil to be clean friable loam from local source, free from stones or debris over 3/4" dia, and free from herbicides or other toxins.
11. Planting mix to be 18" min depth in all planting beds and consist of 2/3 topsoil, 1/3 peat moss and fertilizer. Mix with native soil of base of depth.
12. Landscape beds shall be defined by commercial grade 1/8" x 4" steel edging, produced by an established manufacturer or approved equal.
13. Apply pre-emergent herbicide to all landscape beds prior to mulching.
14. Landscape beds to receive 3" thick shredded hardwood mulch. All trees not within landscape beds are to receive a spaced natural 3" edged hardwood mulch ring 3' radius and 3" depth. Type of mulch to match existing.
15. Where indicated, landscape stone shall be 1.5"-3" River Rock. Install contractor grade weed barrier landscape fabric over topsoil and stone per manufacturers recommendations. Install 3" depth landscape stone level across grade over fabric and remove any organic debris.
16. Install plants so that the top of the root ball is even with the finished grade. For backfill areas, plant root ball up to 3" high to allow for settling. Ensure all plants have a level subsoil base and are set plants.
17. Contractor shall provide a two year straightening guarantee in lieu of staking trees. One year guarantee for all plant materials from the date of installation. Warranty shall include replacement of dead or unhealthy vegetation to be planted in the next growing season, with a new one (1) warranty commencing on date of replacement for each plant replaced.
18. Prior to wrapping, the tree trunks shall be inspected by engineer. All tree wrap/latex etc. to be removed from tree in one year as part of maintenance.
19. All lawn areas to be hydroseeded. Any other areas disturbed during construction to be restored. Provide alternate price for sodding in lieu of hydroseeding. Right of way areas between the property line and the road shall be restored.
20. Irrigate all planting beds and lawn areas per owners direction.



ABONMARCHÉ
 ARCHITECTS & PLANNERS
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 FAX: 616.451.1001
 WWW.ABONMARCHÉ.COM

**BLODGETT HOSPITAL
 CAMPUS STRATEGY & PARKING
 VOLUME 1 - NORTH CAMPUS**

PROJECT: LANDSCAPE & SCREENING PLAN - NORTH

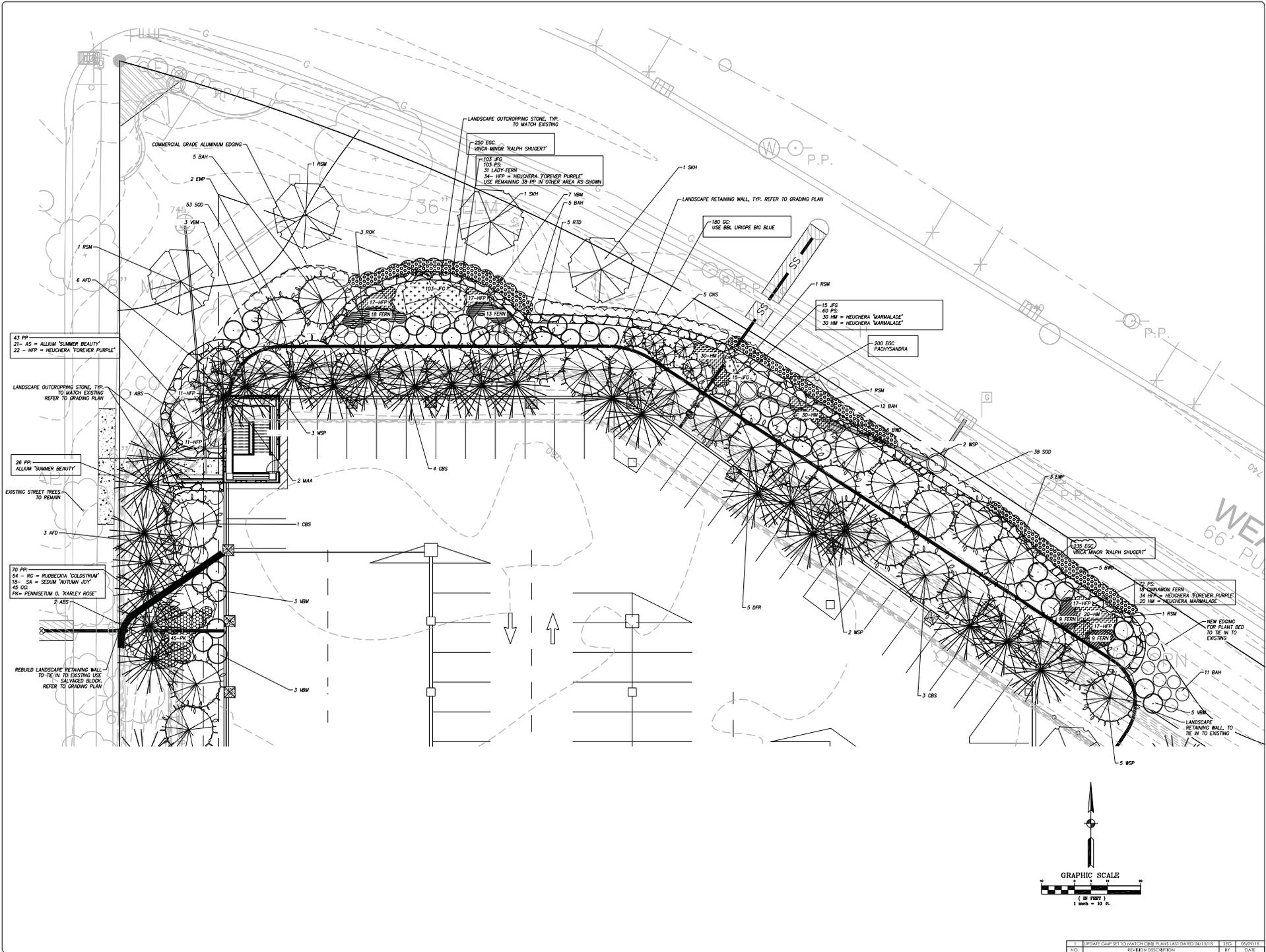
SHEET NO: 07-16-18

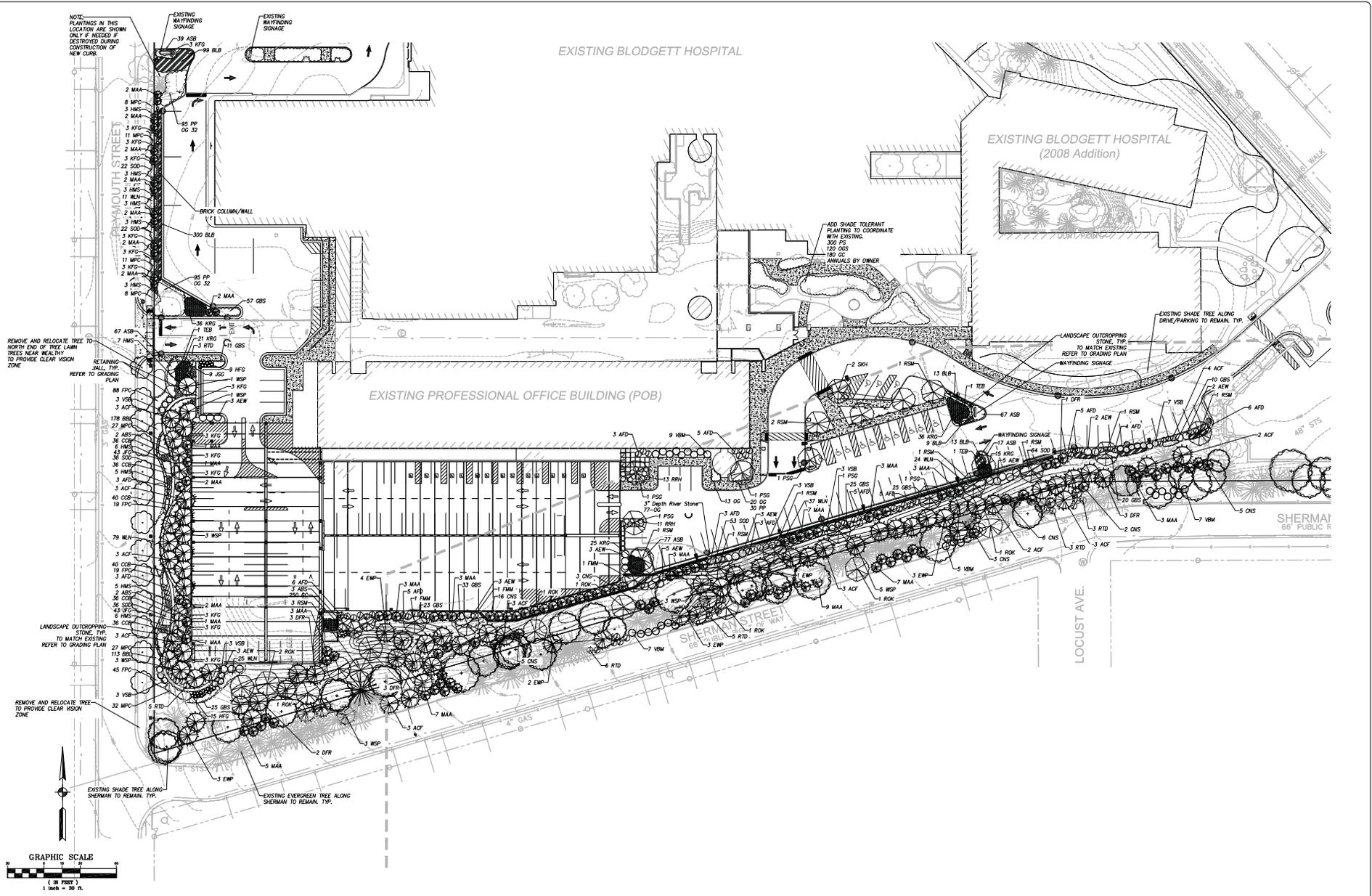
DESIGNED BY: BCM
 CHECKED BY: JWL
 DATE: 07-16-18

SCALE: 1" = 30'
 UNLESS NOTED OTHERWISE

ACJ JOB # 17-0551

SHEET NO: C9.1-N



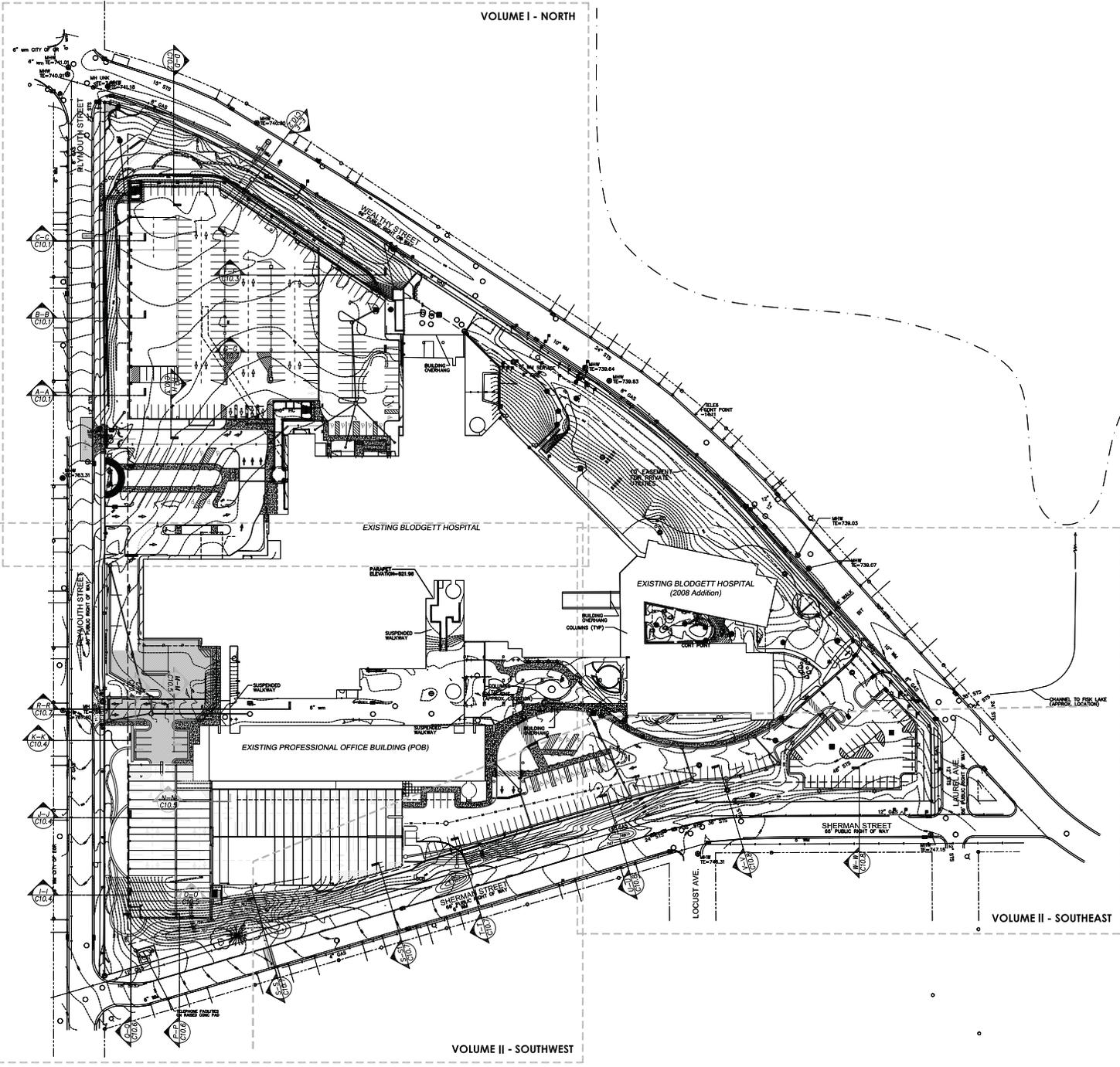


PROJECT: BLOGETT HOSPITAL CAMPUS STRATEGY & PARKING

DATE: 12-15-2017

SCALE: 1" = 30'

NO.	DESCRIPTION	DATE
1	DESIGN DEVELOPMENT	01/19/18
2	SCHEMATIC DESIGN	03/02/18
3	PRELIMINARY DESIGN	04/13/18
4	FINAL DESIGN	06/03/18
5	CONSTRUCTION DOCUMENTS	06/03/18



1	DESIGNED FOR APPROVAL SHEET APPROVAL	DES	09/11/19
2	ISSUED BY PERMITS COMMENTS DATED 04/15/18 & COMMENTS OF APPROVAL AND LEGION CONTROL PLANS & STD. DETAILS SHEETS	DES	04/09/18
3	REVISE SEPARATE LINE GRAPHIC'S COORDINATE TABLE SHEETS	SEC	05/03/18
4	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEC	04/15/18
5	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEC	03/02/18
6	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEC	01/19/18
7	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEC	01/19/18
8	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEC	01/19/18
9	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEC	01/19/18
10	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEC	01/19/18

ABONMARCHÉ
 ARCHITECTURE
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 GRAND RAPIDS, MI 49503
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SPECTRUM HEALTH
 BLODGETT HOSPITAL
 CAMPUS STRATEGY & PARKING
 1840 WEALTHY STREET
 GRAND RAPIDS, MI 49503

**CROSS SECTIONS
 KEY SHEET**

SHEET NO. _____

DATE: 12-15-2017

DESIGNED BY: AKG

DESIGNED BY: ARD

PER REVIEW: BCM

DATE: 12-15-2017

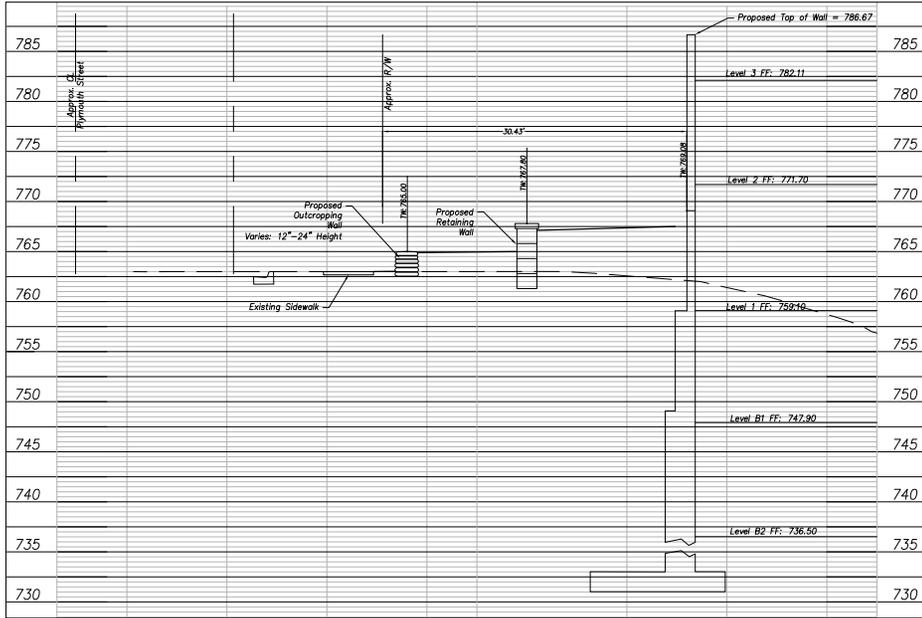
SCALE: _____

SCALE: 1" = 50'

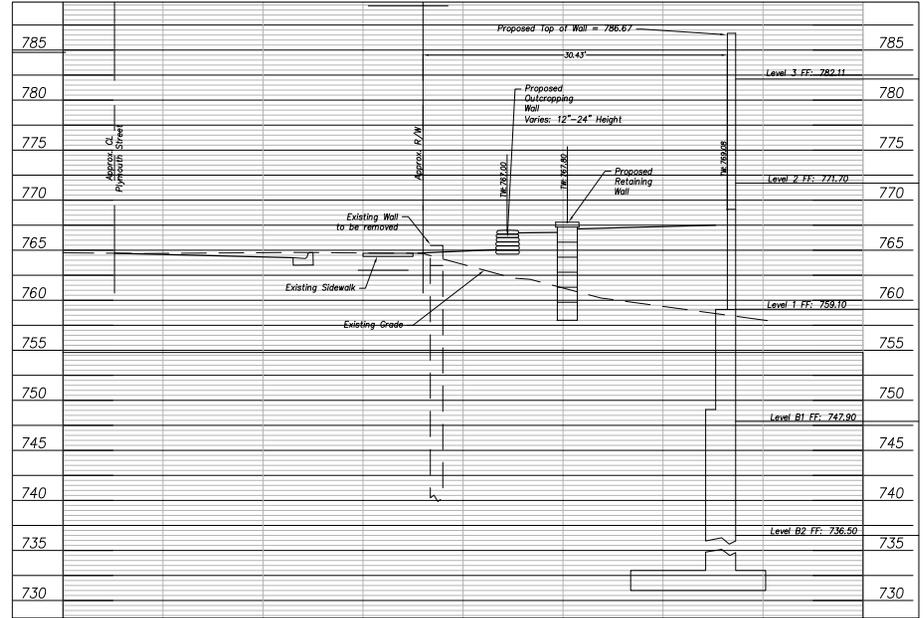
DATE: 12-15-2017

PROJECT: BLODGETT HOSPITAL CAMPUS STRATEGY & PARKING

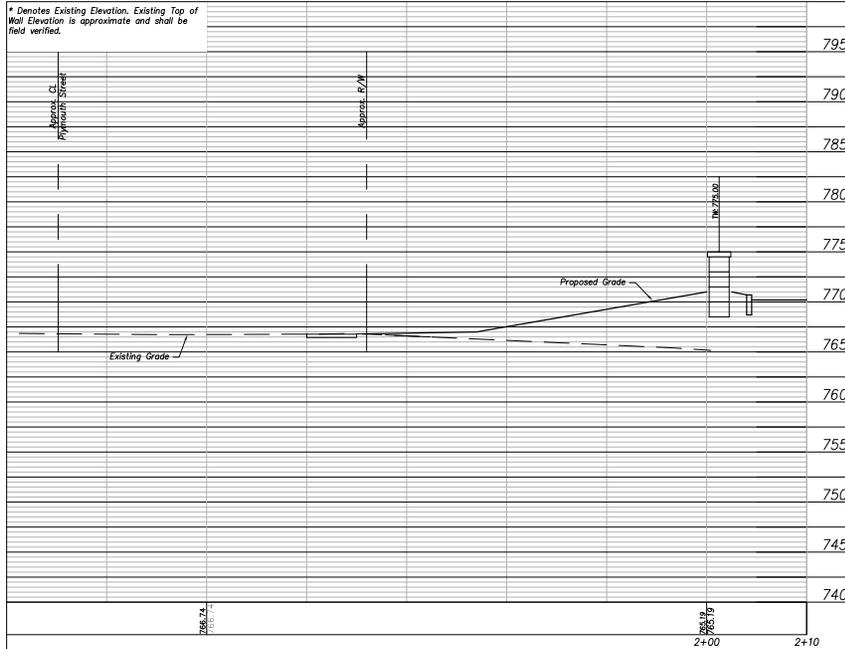
SHEET NO. **C10.0**



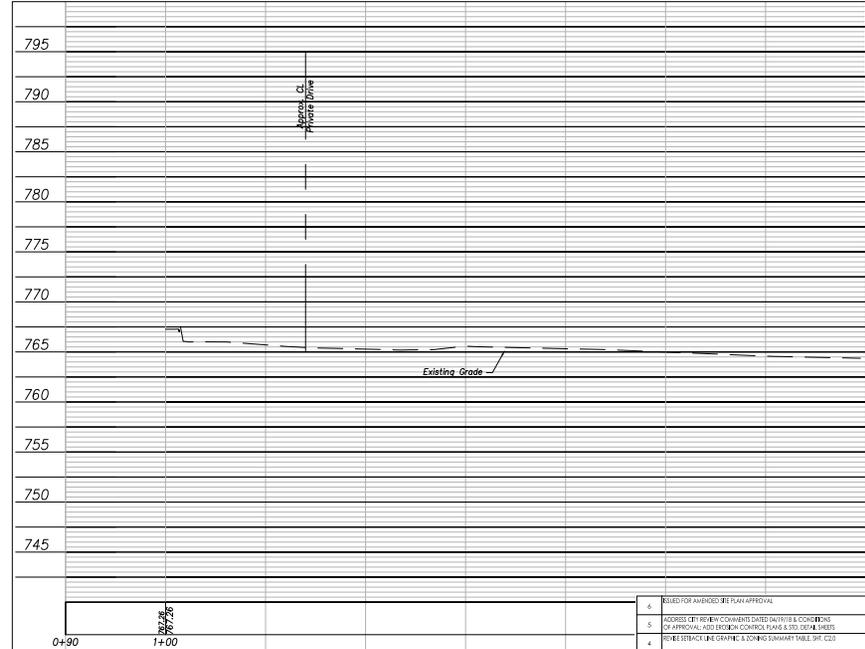
I-I CROSS SECTION I-I
 C10.4 1" = 5'



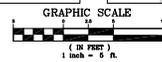
J-J CROSS SECTION J-J
 C10.4 1" = 5'



K-K CROSS SECTION K-K
 C10.4 1" = 5'

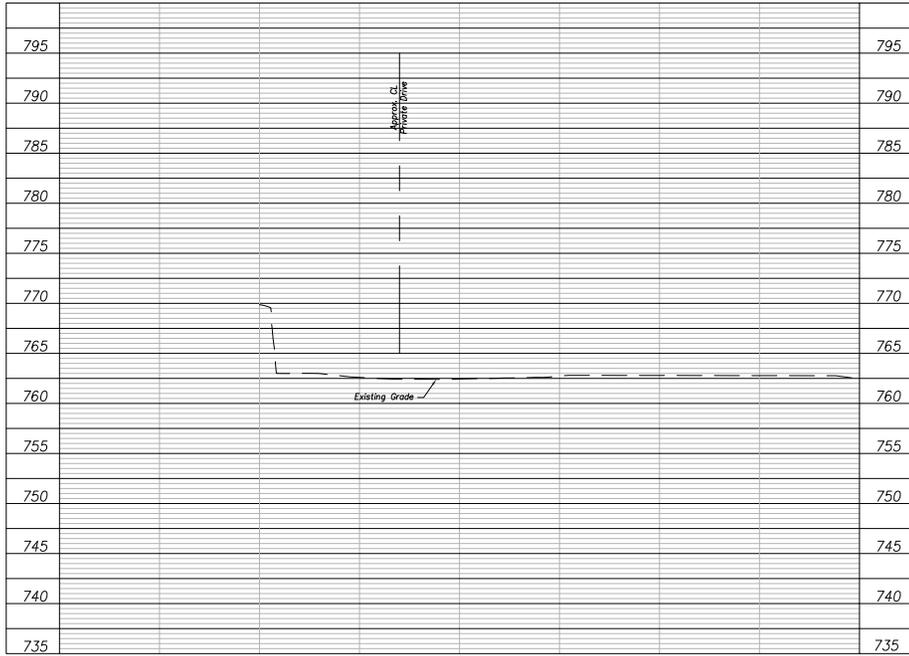


L-L CROSS SECTION L-L
 C10.4 1" = 5'

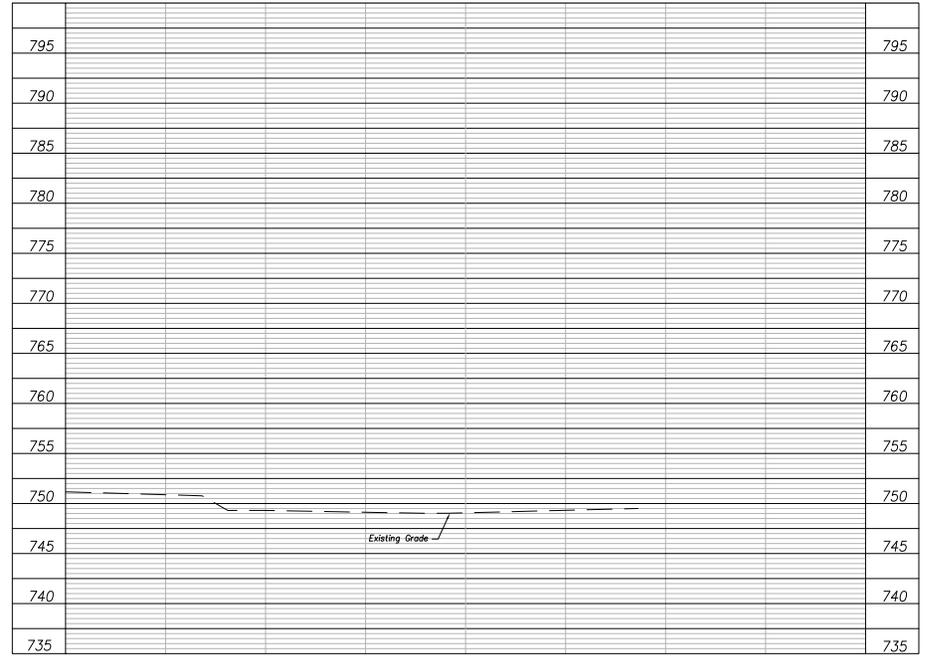


* Denotes Existing Elevation. Existing Top of Wall Elevation is approximate and shall be field verified.

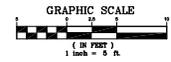
NO.	REVISION DESCRIPTION	DATE
6	REVISED FOR ANCHORS PER PLAN APPROVAL	09/11/19
5	ISSUED BY PERMITS COMMENTS DATED 04/15/19. CONSULTANT OF APPROVAL: AED (ENGINEER CONTROL PLANS & STD. DETAILS SHEETS)	06/08/18
4	REVISED SEPARATE LINE GRAPHIC'S DOWNSHIFT TABLE SHEET	05/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE. ADDITIONAL FIELD NOTES	03/02/18
1	ADDRESS COMMENTS FROM PERMITTING GROUP. MEMO DATED 03/01/18 & INPUT FROM ARCHITECTURE MEETING HELD 02/15/18	01/19/18



M-M CROSS SECTION M-M
 C10.5 1" = 5'

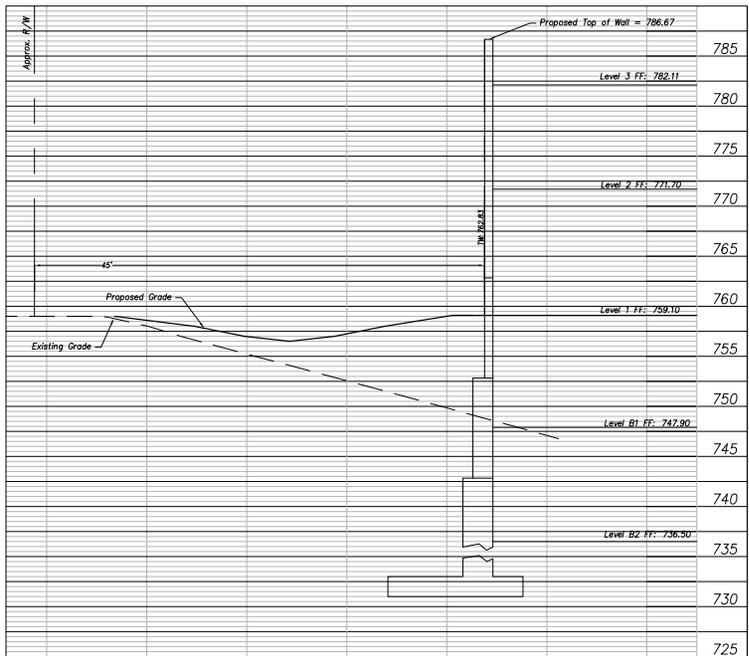


N-N CROSS SECTION N-N
 C10.5 1" = 5'

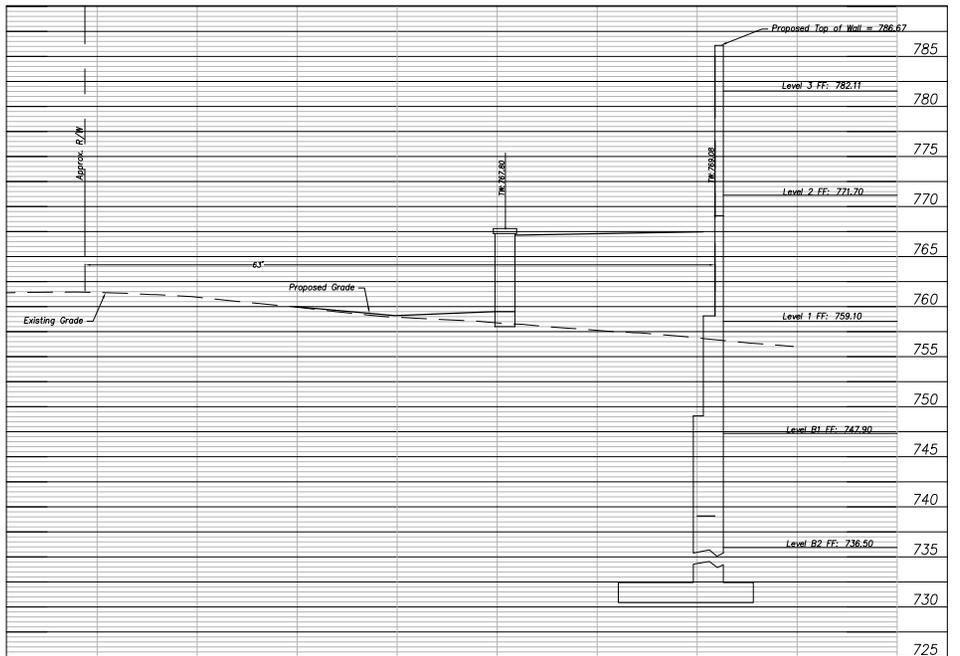


O-O CROSS SECTION O-O
 C10.5 1" = 5'

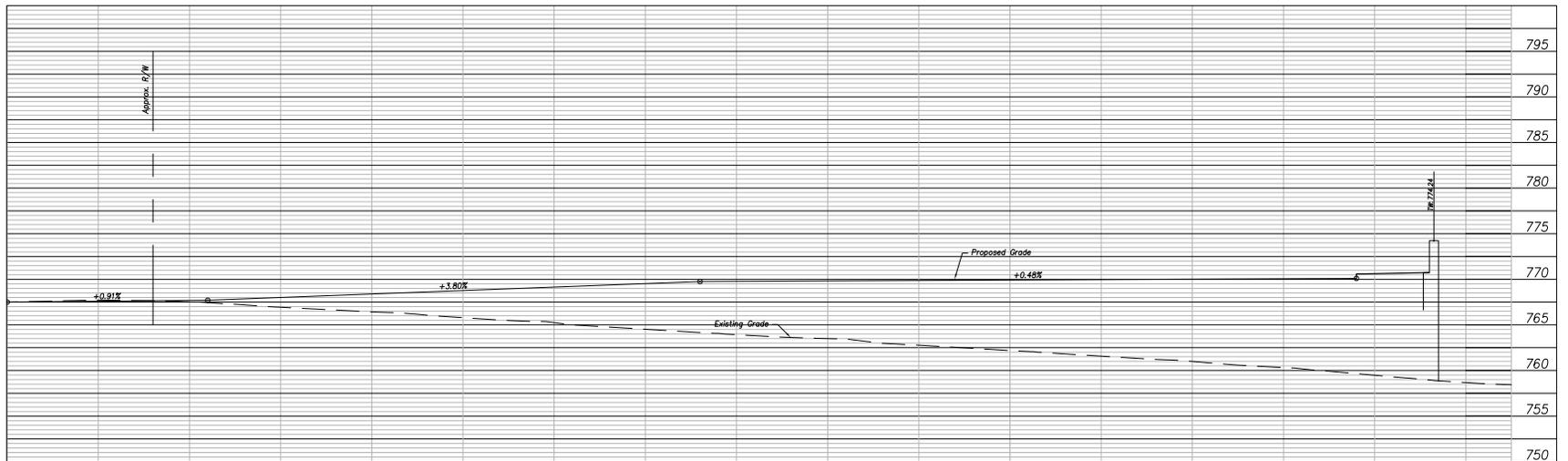
NO.	REVISION DESCRIPTION	BY	DATE
6	DESIGN FOR AIRBORNE PLAY APPROVAL	DEF	09/11/19
5	ADDRESS CLIENT COMMENTS DATED 04/15/18. CONFORMANCE OF APPROVAL AND EROSION CONTROL PLANS & STD. DETAIL SHEETS	SEG	04/09/18
4	REVISE SEWER LINE GRAPHIC'S DRAINING SUMMARY TABLE SHEET C02	SEG	03/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEG	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & FOR PLANNING COMMITTEE PUBLIC HEARING HILD 02/01/18	SEG	03/02/18
1	ADDRESS COMMENTS FROM PLANNING GROUP MEETING DATED 03/01/18 & INPUT FROM HIGH SCHOOL MEETING HILD 02/01/18	SEG	01/19/18



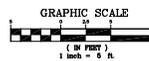
P-P CROSS SECTION P-P
 C10.6/1" = 5'



Q-Q CROSS SECTION Q-Q
 C10.6/1" = 5'



R-R CROSS SECTION R-R
 C10.6/1" = 5'



NO.	REVISION DESCRIPTION	DATE
6	COLLECTOR APPROVAL FOR FINAL APPROVAL	09/11/19
5	ADDRESS BY REVIEW COMMENTS DATED 08/15/18 & CONSIDERATION OF APPROVAL AND REGION CONTROL PLANS & SDI DETAIL SHEETS	06/08/18
4	REVISE SEWER LINE GRAPHIC'S DRAINING SUMMARY TABLE SHEET C02	05/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	03/02/18
1	ADDRESS COMMENTS FROM PLANNING GROUP MEMO DATED 02/01/18 & INPUT FROM ARCHITECTURE MEETING HILD 02/01/18	01/19/18

SCALE:	HORIZ: 1" = 5'
VERT: 1" = 5'	
ACE JOB #	17-0551
SHEET #	28144
SHEET NO.	
DATE	

PLEASE REFER TO SHEET C10.6 FOR THE LOCATION OF THE SEWER LINE AND THE GRAPHIC SCALE AND OTHER INFORMATION.

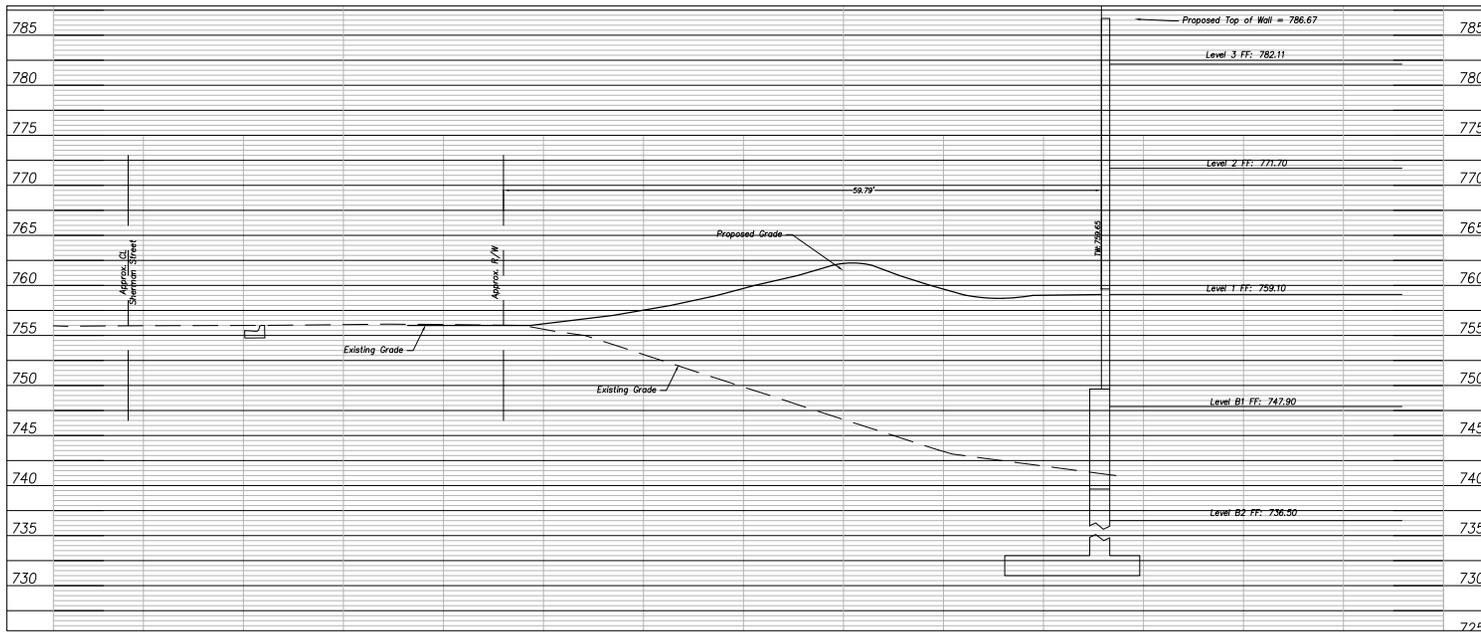
SIGNATURE: _____
 DATE: _____

SEAL: _____
 DATE: 12-15-2017
 QALOC NUMBER: JWJ
 DESIGNED BY: BCM
 PIA REVIEW: JWJ
 CHECKED BY: JWJ
 MODIFIED BY: AKG
 SHEET: _____

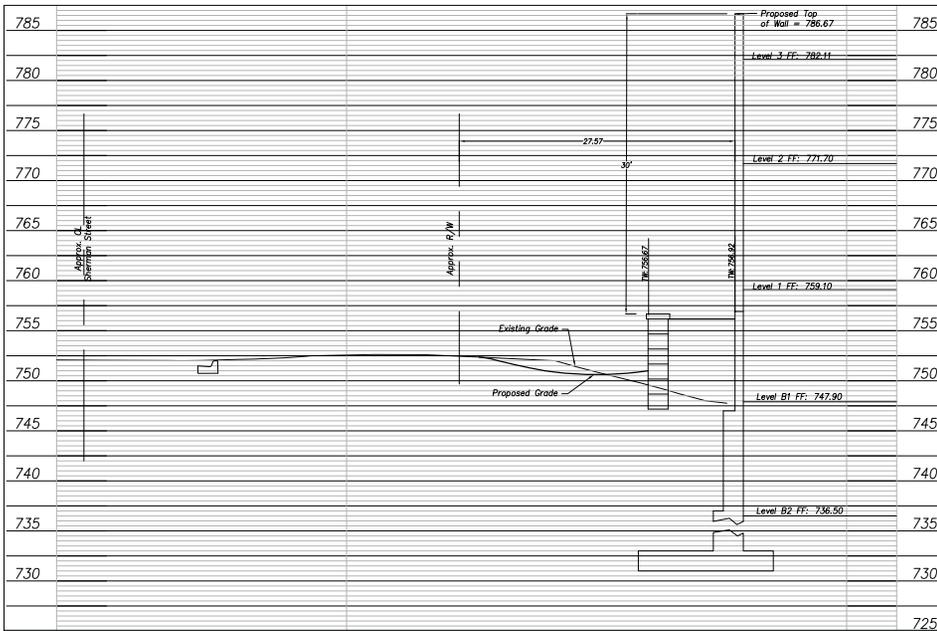
CROSS SECTIONS

SPECTRUM HEALTH
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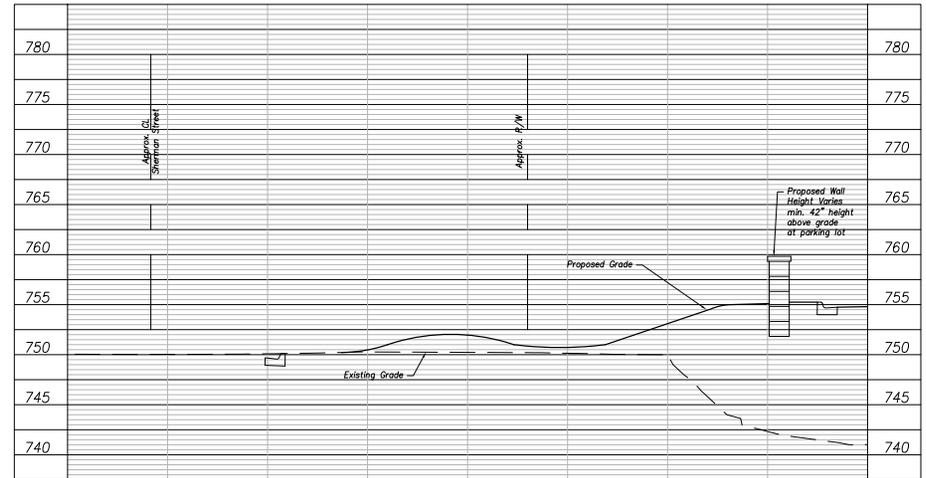
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 FAX: 734.366.1001
 WWW.ABONMARCHÉ.COM



S-S CROSS SECTION S-S
 $(10.7) 1" = 5'$



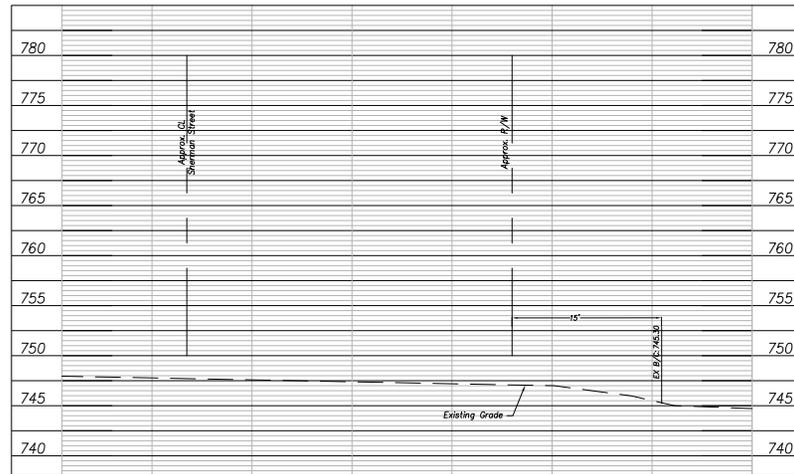
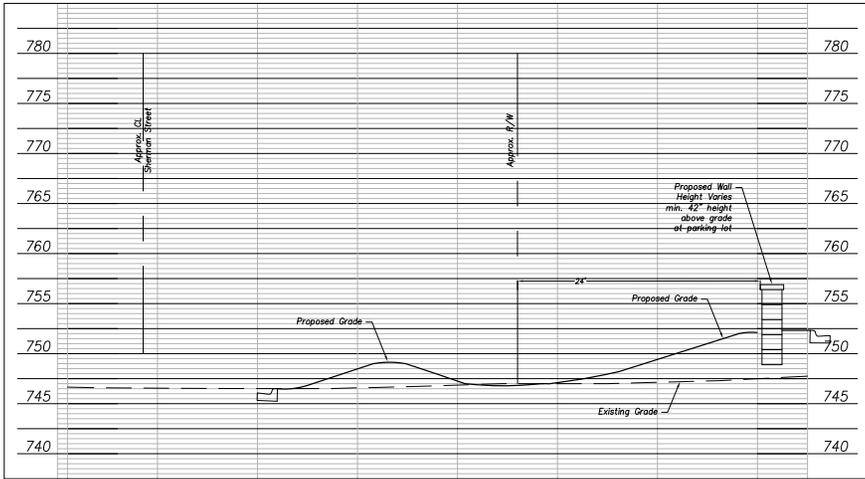
S-S1 CROSS SECTION S-S1
 $(10.7) 1" = 5'$



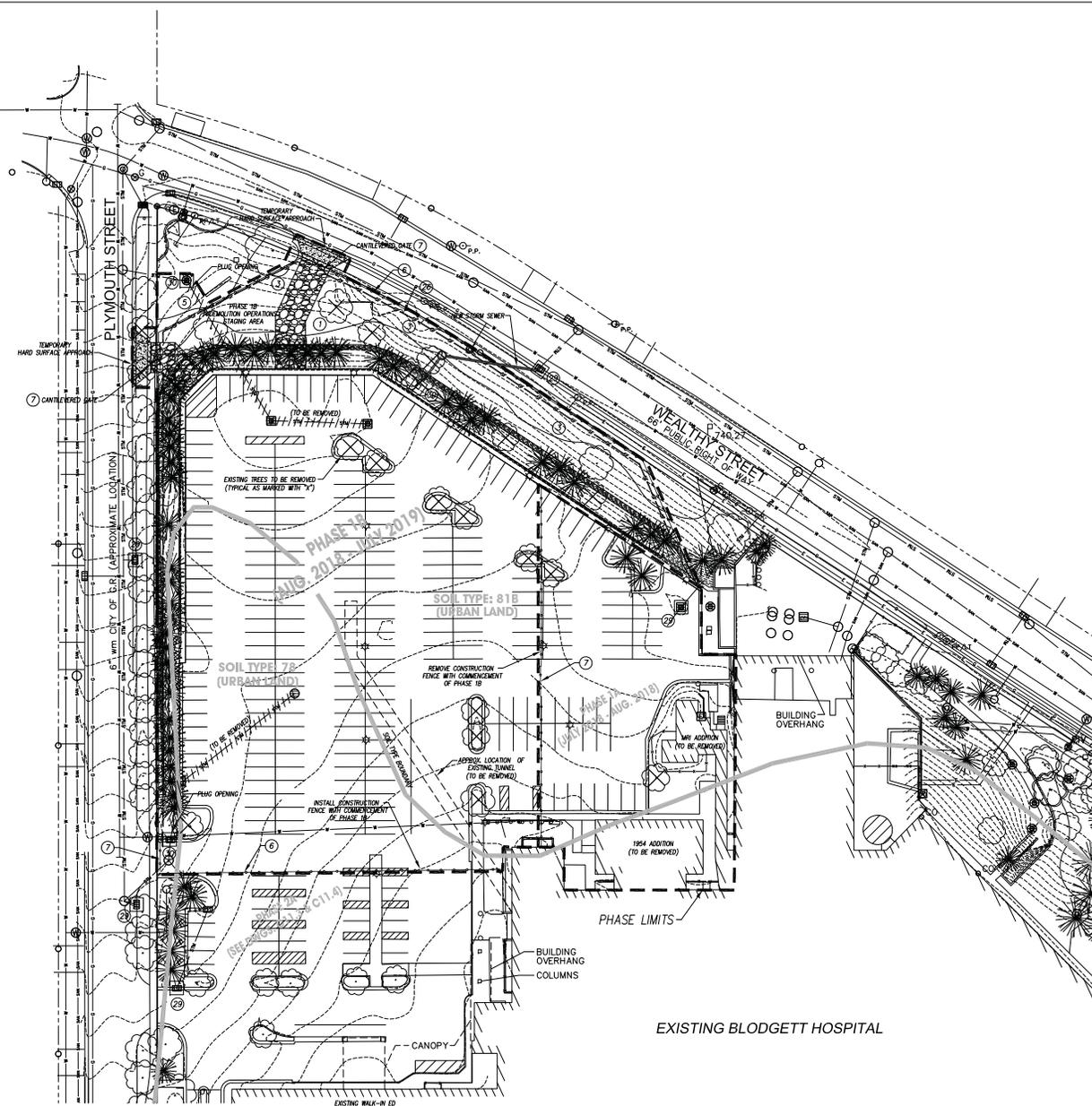
T-T CROSS SECTION T-T
 $(10.7) 1" = 5'$



NO.	REVISION DESCRIPTION	DATE
6	DESIGN FOR APPROVAL PER PLAN APPROVAL	09/11/19
5	ADDRESS FROM COMMENTS DATED 08/15/19 & COMMENTS OF APPROVAL. ADD EROSION CONTROL PLANS & STD. DETAIL SHEETS	06/08/18
4	REVISE SITE/CURB LINE GRAPHIC & DRAINAGE SUMMARY TABLE SHEET	05/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	03/02/18
1	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	01/19/18



NO.	REVISION DESCRIPTION	DATE
6	REQUEST FOR AMENDMENTS FOR APPROVAL	09/11/19
5	ADDRESS COMMENTS FROM CONVENIENCE STORES AND CONVENIENCE STORES CONTROL PLANE AND DETAIL SHEETS	06/08/18
4	REVISE SETBACK LINE GRAPHIC'S ZONING SUMMARY TABLE SHEET	05/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	03/02/18
1	ADDRESS COMMENTS FROM PLANNING GROUP MEMO DATED 03/01/18 & INPUT FROM HIGH SCHOOL MEETING HELD 03/01/18	01/19/18
	BY	DATE



STAGING & SCHEDULING

- PHASE 1**
AREA OF DISTURBANCE = 3.0 ACRES
- PHASE 1A ACTIVITIES**
DEMOLITION OF THE FORMER MRI BUILDING AND RELOCATION OF THE EXISTING ELECTRIC SERVICE ENTRANCE
1. Truck traffic to service the Demolition Process will share the same entrance and exit as current traffic. To create enough space to adequately and safely separate demolition operations from surface parking, it will be necessary to vacate approximately 25 spaces from the North Parking Lot as shown.
 2. A Temporary Construction Barrier (See Legend) with two gates will be installed around this area to separate construction activities from vehicle and pedestrian traffic.

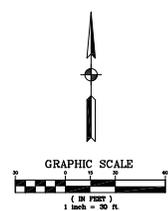
- PHASE 1B ACTIVITIES**
NORTH PARKING DECK CONSTRUCTION
1. Once demolition activities of the former MRI building are complete, the Contractor will install Temporary Construction Barrier and Silt Fence as shown around the new parking deck construction site, which will require some adjustments to traffic flows and parking locations. There may be a loss of parking spaces within the handicap lot, and a narrower exit path onto Plymouth Avenue will be required.
 2. Once Phase 1B begins, all construction traffic will enter and exit through a construction gate on Wealthy Street and a construction trailer will be located in this area.
 3. A temporary road up from the Temporary Construction Entrance to the existing surface lot will be installed to facilitate dump truck traffic during the removal of materials from the site.
 4. After most excavation is completed, down to the new slab on grade elevation of the parking deck, the Contractor will install temporary roads to facilitate truck traffic into and out of the site. These roads will serve as crane holding pads to facilitate efficient and safe hoisting of materials to the deck due to the close proximity of the power lines along Wealthy Street.
 5. Due to the limited laydown space on site, deliveries will be "just in time" during this phase of construction. Quing areas will be established offsite for material deliveries, with the Superintendent directing truck traffic to the site.
 6. As the deck nears completion and landscaping operations begin, Temporary Construction Fencing and Silt Fencing will be removed. At that point, all construction traffic will enter and exit the site through the permanent parking deck entrance.
 7. The entire parking structure is planned to be completed and ready for use by mid-June 2019.

- PHASE 1B ACTIVITIES**
NORTH PARKING DECK CONSTRUCTION
1. Once demolition activities of the former MRI building are complete, the Contractor will install Temporary Construction Barrier and Silt Fence as shown around the new parking deck construction site, which will require some adjustments to traffic flows and parking locations. There may be a loss of parking spaces within the handicap lot, and a narrower exit path onto Plymouth Avenue will be required.
 2. Once Phase 1B begins, all construction traffic will enter and exit through a construction gate on Wealthy Street and a construction trailer will be located in this area.
 3. A temporary road up from the Temporary Construction Entrance to the existing surface lot will be installed to facilitate dump truck traffic during the removal of materials from the site.
 4. After most excavation is completed, down to the new slab on grade elevation of the parking deck, the Contractor will install temporary roads to facilitate truck traffic into and out of the site. These roads will serve as crane holding pads to facilitate efficient and safe hoisting of materials to the deck due to the close proximity of the power lines along Wealthy Street.
 5. Due to the limited laydown space on site, deliveries will be "just in time" during this phase of construction. Quing areas will be established offsite for material deliveries, with the Superintendent directing truck traffic to the site.
 6. As the deck nears completion and landscaping operations begin, Temporary Construction Fencing and Silt Fencing will be removed. At that point, all construction traffic will enter and exit the site through the permanent parking deck entrance.
 7. The entire parking structure is planned to be completed and ready for use by mid-June 2019.

- LEGEND**
- ① SESC Measures
 - Temporary Silt Fence w/ Wire Backing
 - Temporary Construction Fence w/Green Screen ("FenceScreen" 130 Series 85% Temporary Fence Screen, or Equivalent)
 - Temporary Gravel Access Approach (Phase 1B, See Note #2)
 - 750- Existing Elevation Contour
 - /////// Removal Item

- KEYNOTE DESCRIPTIONS**
- 1 Clearing, Removals, Grading and Shaping
 - 2 Rolled Erosion Control Product
 - 3 Seeding, Permanent & Temporary
 - 4 Mulched Landscaping
 - 5 Sodding
 - 6 Construction Barrier, Temporary (w/Green Screening)
 - 7 Construction Gate, Temporary
 - 8 Silt Fence w/ Wire Backing, Temporary
 - 9 Inlet Protection - Fiber Mat, Temporary (See Detail, C11.5)
 - 10 Inlet Protection - Silt Fence Barrier (MDEQ BMP), Temporary

- GENERAL NOTES**
1. All Temporary and Permanent Soil Erosion Control Measures as shown by Key Note hereon shall be installed, inspected, repaired, and maintained in accordance with the "Nonpoint Source Best Management Practices Manual" published by the Michigan Department of Environmental Quality. https://www.michigan.gov/dmq/0,4662,7,336-3313,71618_3682_2754-18856-00.htm
 2. The Contractor shall perform an inspection weekly and after each storm event and repair or replace non-functioning soil erosion control measures as necessary or as directed by the Engineer of no additional cost. Stabilize as required to minimize chance for erosion.
 3. Contractor shall provide an anti-tracking area for haul trucks and equipment. Sweep streets, parking lots and other paved areas regularly and as needed to keep neighborhood streets and onsite paved areas clean.
 4. The Contractor shall perform temporary seeding if the earth will remain disturbed for more than one (1) month.
 5. Stage construction and stabilization activities to minimize the amount of disturbed area. Laydown areas shall be stabilized with an Aggregate Cover per "MDOT Soil Erosion and Sedimentation Control Manual (2006)".
 6. Remove sediment caused by soil erosion from storm runoff before it leaves the site of the earth change or enters waters of the state.
 7. Place soil piles away from drainage courses. Soil piles must be protected from precipitation and wind with non-erosive cover or other BMPs. Remove any unused soil when grading is complete.
 8. Dust Control must be implemented on all areas exposed to wind erosion and haul roads. Contractor shall adhere to the requirements of the "MDEQ NPS BMP Manual".
 9. A copy of the Permit must be available on-site at all times.
 10. Contractor shall be responsible for the scheduling a Pre-Construction Meeting with representatives of the Kent County Road Commission, the City of East Grand Rapids, the Owner, and the Engineer prior to the start of any demolition or construction activities.
 11. Penalties for Non-Compliance: Penalties of Part 91 of Act 451 may include the issue of a cease and desist order or revocation of a permit upon its finding that there is a violation. The Kent County Road Commission can install or maintain control measures to bring a non-conforming site into compliance and bill the Contractor and/or Owner for the costs incurred.



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BLODGETT HOSPITAL
CAMPUS STRATEGY & PARKING
1840 WEALTHY STREET
GRAND RAPIDS, MI 49503

INITIAL
SOIL EROSION & SEDIMENT CONTROL PLAN - NORTH
PHASES 1A & 1B

PROJECT:

DATE: 12-15-2017

SEAL:

DESIGNED BY: AKG
DESIGNED BY: ABD
PER REVIEW: BCM
QA/QC REVIEW: JWJ

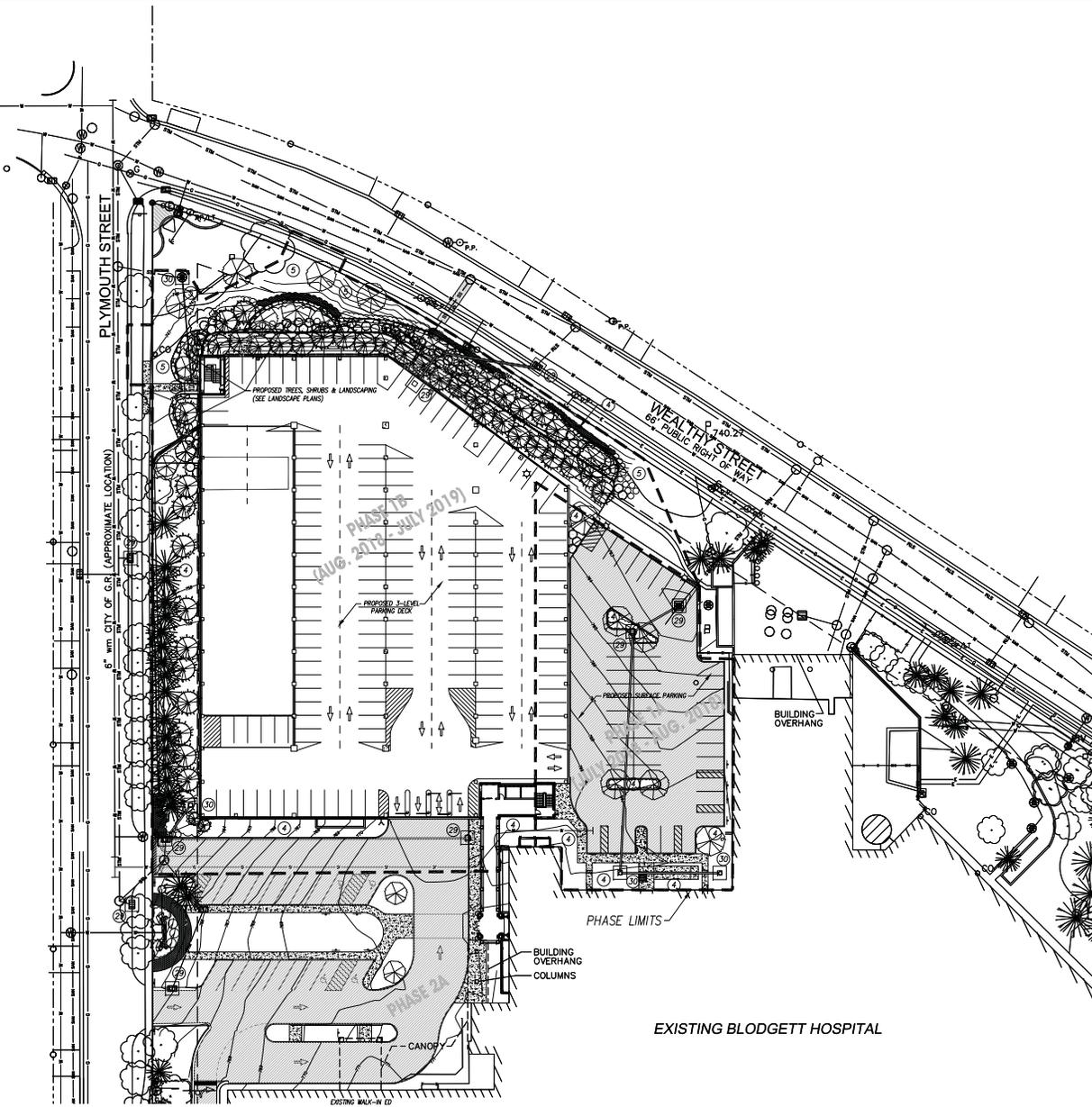
SCALE:

5	ISSUED BY THE CITY OF GRAND RAPIDS FOR THE CITY ENGINEER OF APPROVAL AND RECORD CONTROL PLANS AND SHEETS	SEC	06/08/18
4	REVISE SHEET LINE GRAPHIC'S ZONING SUMMARY TABLE SHEET	SEC	05/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEC	04/13/18
2	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEC	03/02/18
1	ADDRESS COMMENTS FROM PLANNING GROUP MEMO DATED 02/16/18 & INPUT FROM MEDICARE/MSD MEETING HELD 02/16/18	SEC	01/19/18
NO.	REVISION DESCRIPTION	BY	DATE

DATE: 06/08/18
ACR JOB #: 17-0551
SHR #: 28144
SHEET NO.: C11.1

PLEASE COPY REFERENCED TO BE
1/2" x 11" WHEN PRINTED
SCALE INDICATED AND
GRAPHIC DISPLAY MAY NOT
BE ACCURATE FOR ANY OTHER
SHEET

Abonmarche - June 07, 2018 - 3:56pm



STAGING & SCHEDULING

PHASE 1
AREA OF DISTURBANCE = 3.0 ACRES±

PHASE 1A ACTIVITIES
DEMOLITION OF THE FORMER MRI BUILDING AND
RELOCATION OF THE EXISTING ELECTRIC SERVICE ENTRANCE

1. Truck traffic to service the Demolition Process will share the same entrance and exit as current traffic. To create enough space to adequately and safely separate demolition operations from surface parking, it will be necessary to vacate approximately 25 spaces from the North Parking Lot as shown.
2. A Temporary Construction Barrier (See Legend) with two gates will be installed around this area to separate construction activities from vehicle and pedestrian traffic.

PHASE 1B ACTIVITIES
NORTH PARKING DECK CONSTRUCTION

1. Once demolition activities of the former MRI building are complete, the Contractor will install Temporary Construction Barrier and Silt Fence as shown around the new parking deck construction site, which will require some adjustments to traffic flows and parking locations. There may be a loss of parking spaces within the handicap lot, and a narrower exit path onto Plymouth Avenue will be required.
2. Once Phase 1B begins, all construction traffic will enter and exit through a construction gate on Wealthy Street and a construction trailer will be located in this area.
3. A temporary road up from the Temporary Construction Entrance to the existing surface lot will be installed to facilitate dump truck traffic during the removal of materials from the site.
4. After mass excavation is completed, down to the new slab on grade elevation of the parking deck, the Contractor will install temporary roads to facilitate truck traffic into and out of the site. These roads will serve as crane hoisting pads to facilitate efficient and safe hoisting of materials to the deck due to the close proximity of the power lines along Wealthy Street.
5. Due to the limited laydown space on site, deliveries will be "just in time" during this phase of construction. Quality areas will be established offsite for material deliveries, with the Superintendent directing truck traffic to the site.
6. As the deck nears completion and landscaping operations begin, Temporary Construction Fencing and Silt Fencing will be removed. At that point, all construction traffic will enter and exit the site through the permanent parking deck entrance.
7. The entire parking structure is planned to be completed and ready for use by mid-June 2019.

LEGEND

- ① SESO Measures
- ② Proposed Elevation Contour
- ① Clearing, Removals, Grading and Shaping
- ② Rolled Erosion Control Product
- ③ Seeding, Permanent & Temporary
- ④ Mulched Landscaping
- ⑤ Sodding
- ⑥ Construction Barrier, Temporary (w/ Green Screening)
- ⑦ Construction Gate, Temporary
- ⑧ Silt Fence w/ Wire Backing, Temporary
- ⑨ Inlet Protection - Fiber Mat, Temporary (See Detail, CT1.5)
- ⑩ Inlet Protection - Silt Fence Barrier (MDEQ BMP), Temporary

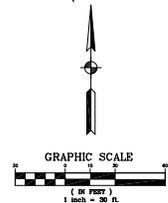
KEYNOTE DESCRIPTIONS

1. All Temporary and Permanent Soil Erosion Control Measures as shown by Key Note herein shall be installed, inspected, repaired, and maintained in accordance with the "Non-Point Source Best Management Practices Manual" published by the Michigan Department of Environmental Quality.
http://www.michigan.gov/dep/0,4562,7,121-3111_71618_1087_1714-11854-01.html

2. The Contractor shall perform an inspection weekly and after each storm event and repair or replace non-functioning soil erosion control measures as necessary or as directed by the Engineer at no additional cost. Stabilize as required to minimize chance for erosion.
3. Contractor shall provide an anti-tracking area for haul trucks and equipment. Sweep streets, parking lots and other paved areas regularly and as needed to keep neighborhood streets and onsite paved areas clean.
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8. Dust Control must be implemented on all areas exposed to wind erosion and haul roads. Contractor shall adhere to the requirements of the "MDEQ NPS BMP Manual".
9. A copy of the Permit must be available on-site at all times.
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GENERAL NOTES

EXISTING BLODGETT HOSPITAL



DATE: 12-15-2017

SEAL:

DESIGNED BY: AKG

DESIGNED BY: ABD

PIA REVIEW: BCM

QA/QC REVIEW: JWJ

DATE: 12-15-2017

SEAL:

DATE:

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

DATE: 06/08/18

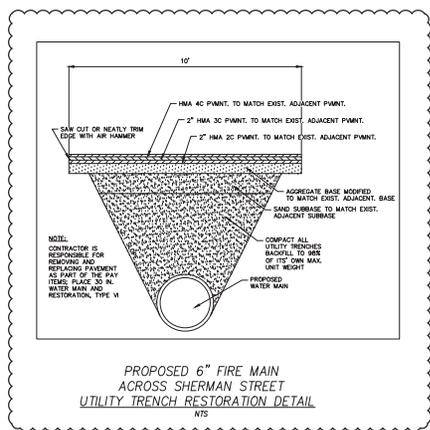
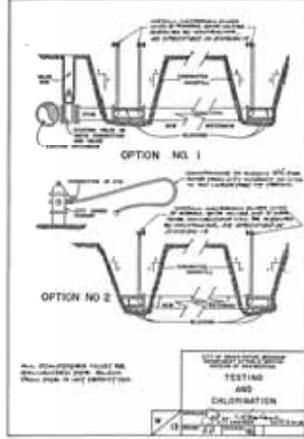
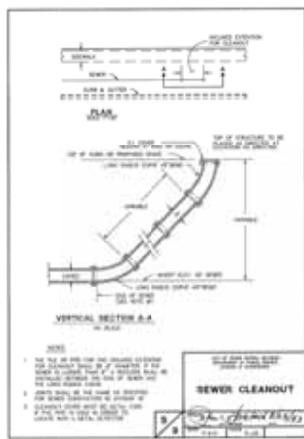
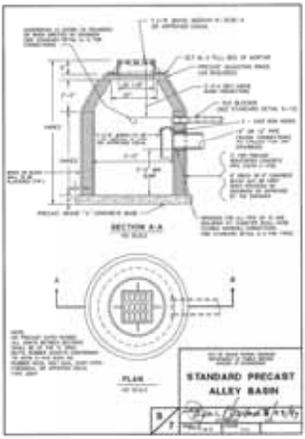
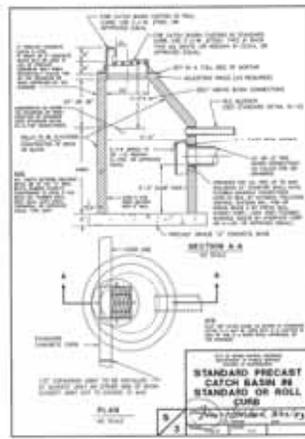
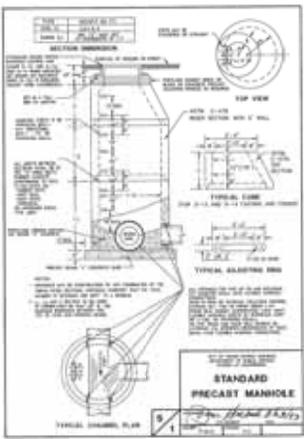
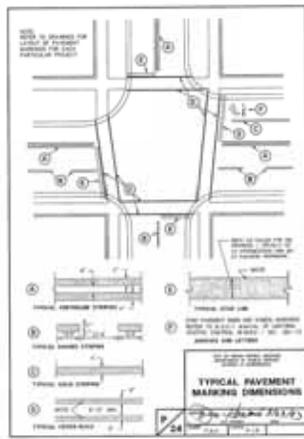
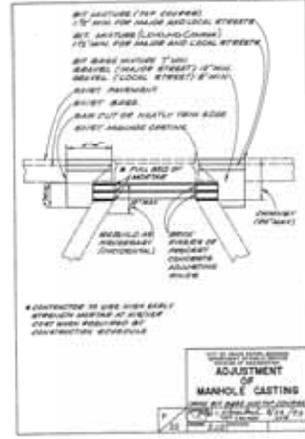
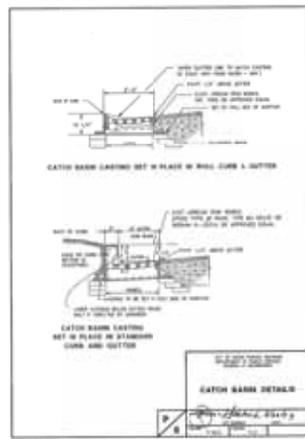
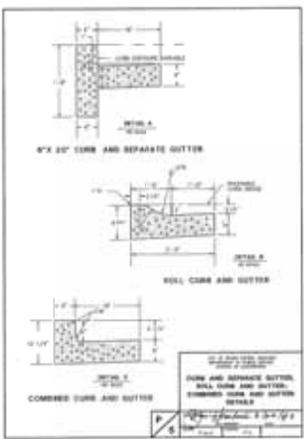
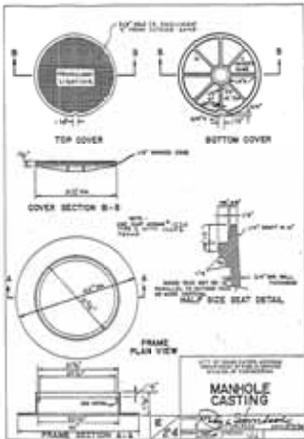
DATE: 05/03/18

DATE: 04/13/18

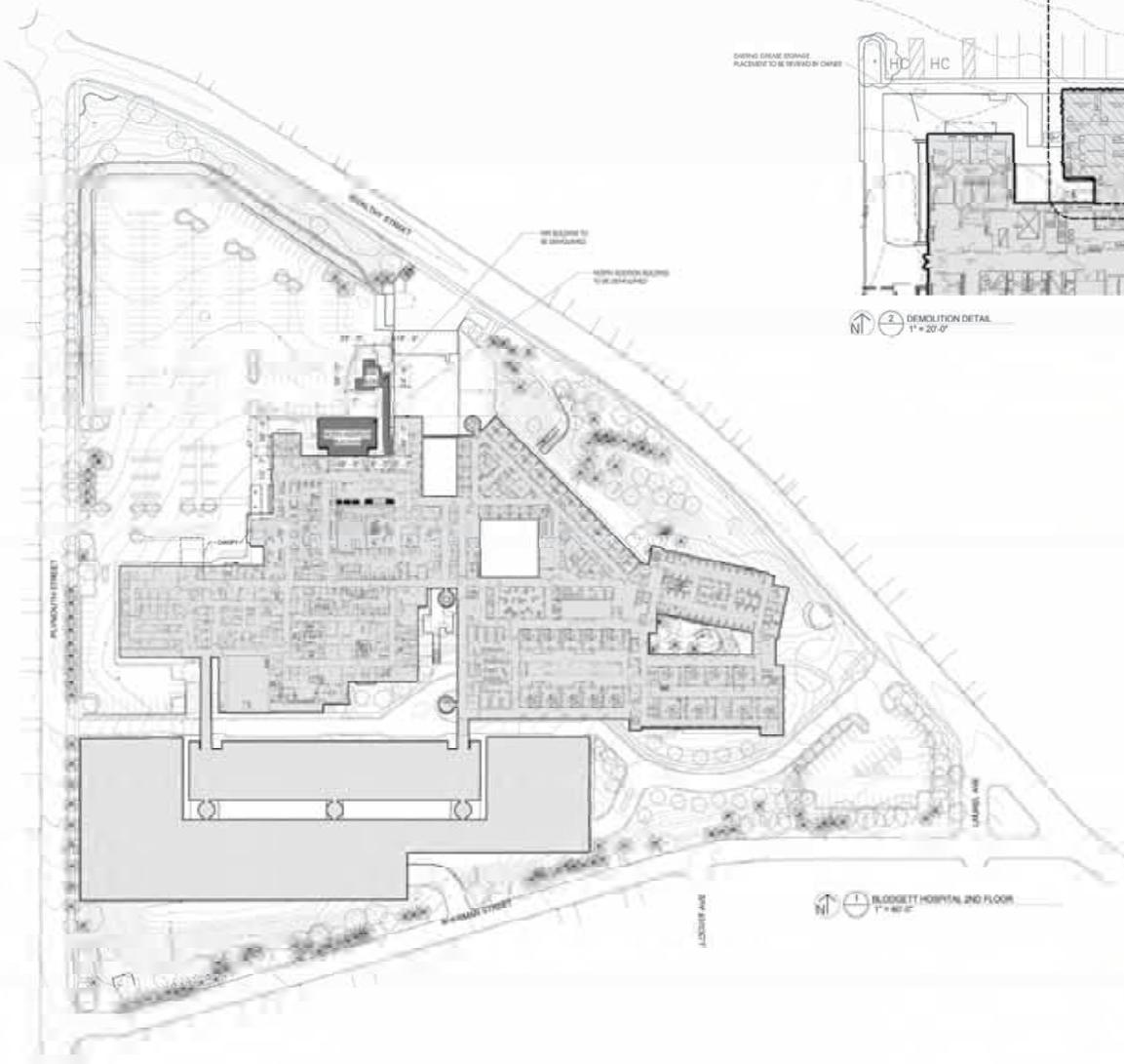
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DATE: 01/19/18

DATE:

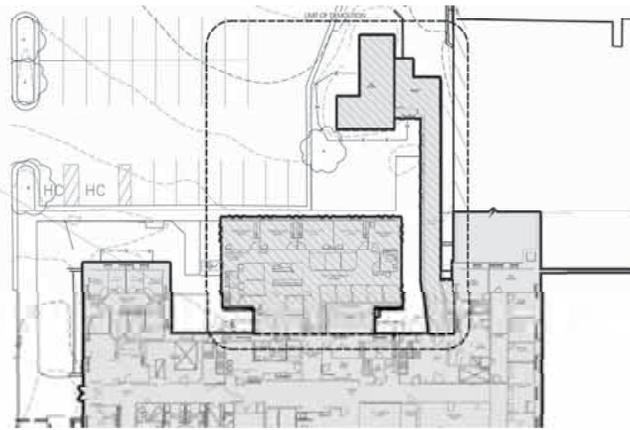


NO.	REVISION DESCRIPTION	BY	DATE
7	ADD FOR TYPING CORRECTIONS	DEF	11/26/19
6	ADD FOR APPROVED PLAN APPROVAL	DEF	09/11/19
5	ISSUED BY PERMITS DIVISION DATE 08/15/19. CONFORMANCE APPROVAL ADD (BODEN) CONTROL PLANE & STD. DETAIL SHEETS	SEG	06/08/18
4	REVISE STRUCK LINE GRAPHIC'S ZONING SUMMARY TABLE SHEET 02	SEG	05/03/18
3	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	SEG	04/11/18
2	ADDRESS COMMENTS FROM CLIENT & TOP PLANNING COMMISSION PLAN: PARKING HELD 03/08/18	SEG	03/02/18
1	ADDRESS COMMENTS FROM PERMITS GROUP: MEMO DATED 02/03/18 & INPUT FROM HIGHWOOD MEETING HELD 01/09/18	SEG	01/19/18



DRIVE GRADE STORAGE
ACCESSIBLE TO BE REVIEWED BY OWNER

NEW BUILDING TO BE DEMOLISHED
NORTH ACCESSION BUILDING
TO BE DEMOLISHED



DEMOLITION DETAIL
1" = 20'-0"

BLODGETT HOSPITAL 2ND FLOOR
1" = 40'-0"



RANGE 1 - SOUTH VIEW



RANGE 2 - SOUTH WEST RESPECTIVE OF NORTH ACCESSION BUILDING



RANGE 2 - SOUTH RESPECTIVE OF NORTH ACCESSION BUILDING



RANGE 2 - SOUTH RESPECTIVE OF NEW BUILDING

- GENERAL NOTES - DEMOLITION**
- A. REFER TO 205 DRAWINGS FOR THE DEMOLITION AND LIMITS OF CONSTRUCTION.
 - B. GENERAL CONTRACTOR (G.C.) SHALL COORDINATE WITH OWNER FOR ASBESTOS PRESENCE IF REQUIRED.
 - C. PRIOR TO ANY DEMOLITION WORK ON SITE, GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE LOCATION OF ALL UTILITIES FOR THE NEW BUILDING AND NORTH ACCESSION BUILDING. ALL UTILITIES SHALL BE TRACED TO BACK TO THE NEAREST POINT OF USE AND CAPTIVE OR TERMINATED AS REQUIRED BY CODE AND BY THE LOCAL AUTHORITY HEARING JURISDICTION.
 - D. G.C. SHALL PROVIDE PROTECTED FENCES FROM EXISTING DRAIN TOWERS TO A SAFE AREA BEYOND THE LIMITS OF CONSTRUCTION. PROTECTED FENCES SHALL MEET ALL REQUIREMENTS OF ALABAMA HEALTH JURISDICTION.
 - E. EXISTING NEW BUILDING, NORTH ACCESSION BUILDING, FOUNDATIONS, AND ALL HEAVY DUTY ITEMS SHALL BE DEMOLISHED AND REMOVED IN THEIR ENTIRETY. THE EXISTING EXTERIOR MASONRY FACADE OF THE MAIN BUILDING SHALL BE LEFT INTACT.
 - F. G.C. SHALL PROTECT EXISTING CONSTRUCTION SCHEDULED TO REMAIN.
 - G. G.C. SHALL MAINTAIN THE EXISTING BUILDING NORMAL AND WEATHER BARRIED THROUGHOUT WITH TEMPORARY WEATHER UNITS, WITH CONSTRUCTION COMPLETE.

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 1000 W. 10TH STREET
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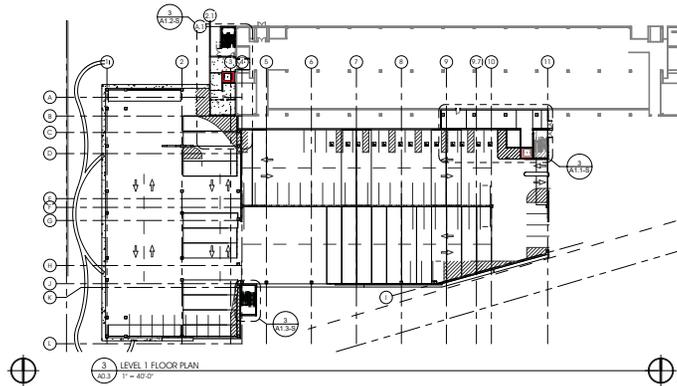
SPECTRUM HEALTH
BLODGETT HOSPITAL
CAMPUS STRATEGY & PARKING
1840 WEALTHY STREET
GRAND RAPIDS, MI 49503

**EXISTING BUILDING -
DEMOLITION**

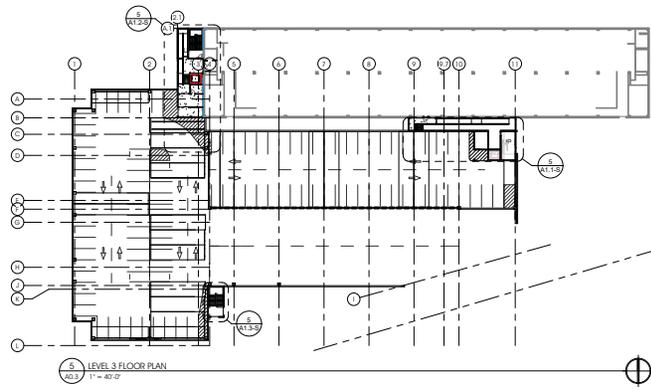
DESIGNED BY	JITIMON
DATE	ASD
REVISION	ASD
DATE	ASD
DATE	06.05.18

NO.	REVISION DESCRIPTION	BY	DATE

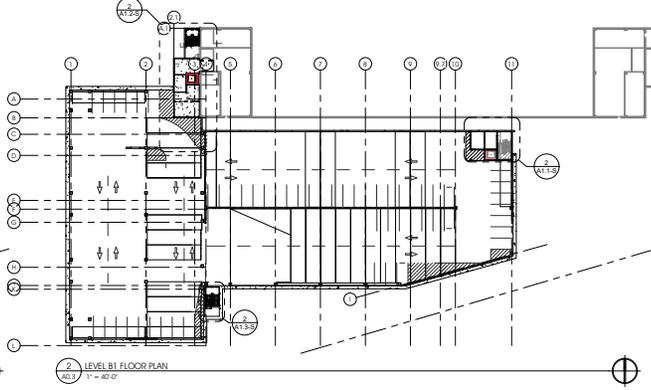
SHEET NO. **17-0551**
D1.1



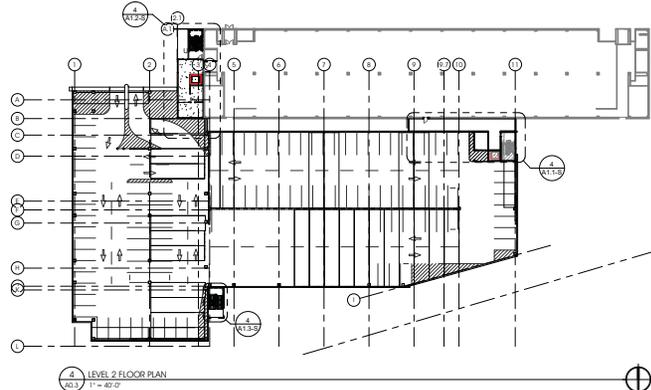
3 LEVEL 1 FLOOR PLAN
1" = 40'-0"



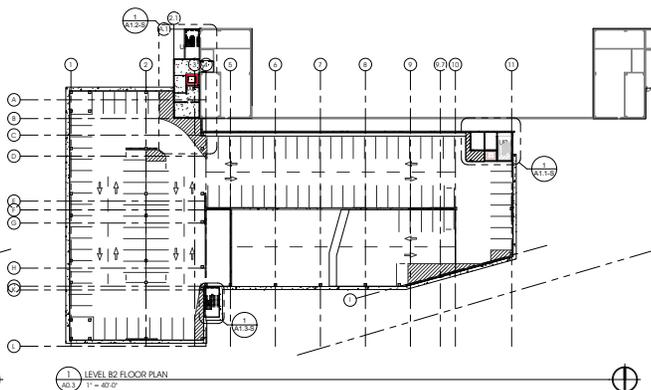
5 LEVEL 3 FLOOR PLAN
1" = 40'-0"



2 LEVEL B1 FLOOR PLAN
1" = 40'-0"



4 LEVEL 2 FLOOR PLAN
1" = 40'-0"



1 LEVEL B2 FLOOR PLAN
1" = 40'-0"

- GENERAL NOTES - FLOOR PLAN**
- A. DO NOT SCALE DRAWINGS - USE WRITTEN DIMENSIONS PROVIDED ONLY
 - B. ALL SPECIFIED ITEMS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AS COMPLETE SYSTEMS WITH ALL ACCESSORY ITEMS REQUIRED FOR A COMPLETE INSTALLATION. GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL TRADES, CONSTRUCTION TYPES ETC... TO PREVENT EXCLUSION OR DUPLICATION. GENERAL CONTRACTOR'S BIDS SHALL BE ALL INCLUSIVE.
 - C. REFER TO SHEET T1.2 FOR WALL TYPES
 - D. REFER TO SHEET A8.1 FOR ROOM FINISH SCHEDULE FOR INTERIOR FINISH MATERIALS.
 - E. REFER TO SHEET A8.2 FOR DOOR AND FRAME ELEVATIONS.
 - F. REFER TO SHEET A8.3 FOR WINDOW AND SIKERPOINT ELEVATIONS
 - G. REFER TO STRUCTURAL DRAWINGS & SPECIFICATIONS FOR ADDITIONAL INFORMATION
 - H. REFER TO MEP DRAWING & SPECIFICATIONS FOR ADDITIONAL INFORMATION

KEYNOTES - FLOOR PLAN A1.0

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SPECTRUM HEALTH
 BLODGETT HOSPITAL
 CAMPUS STRATEGY & PARKING
 1840 WEALTHY STREET
 GRAND RAPIDS, MI 49503

PROJECT:

SITE PLAN REVIEW
 OVERALL FLOOR PLANS

SHEET TITLE:
 MODELLED BY: MDN
 DESIGNED BY: ARD
 PER REVIEW: ARD
 GRAPHIC REVIEW: MDN
 DATE: SEPT 11, 2019
 SEAL:

SIGNATURE:
 DATE:

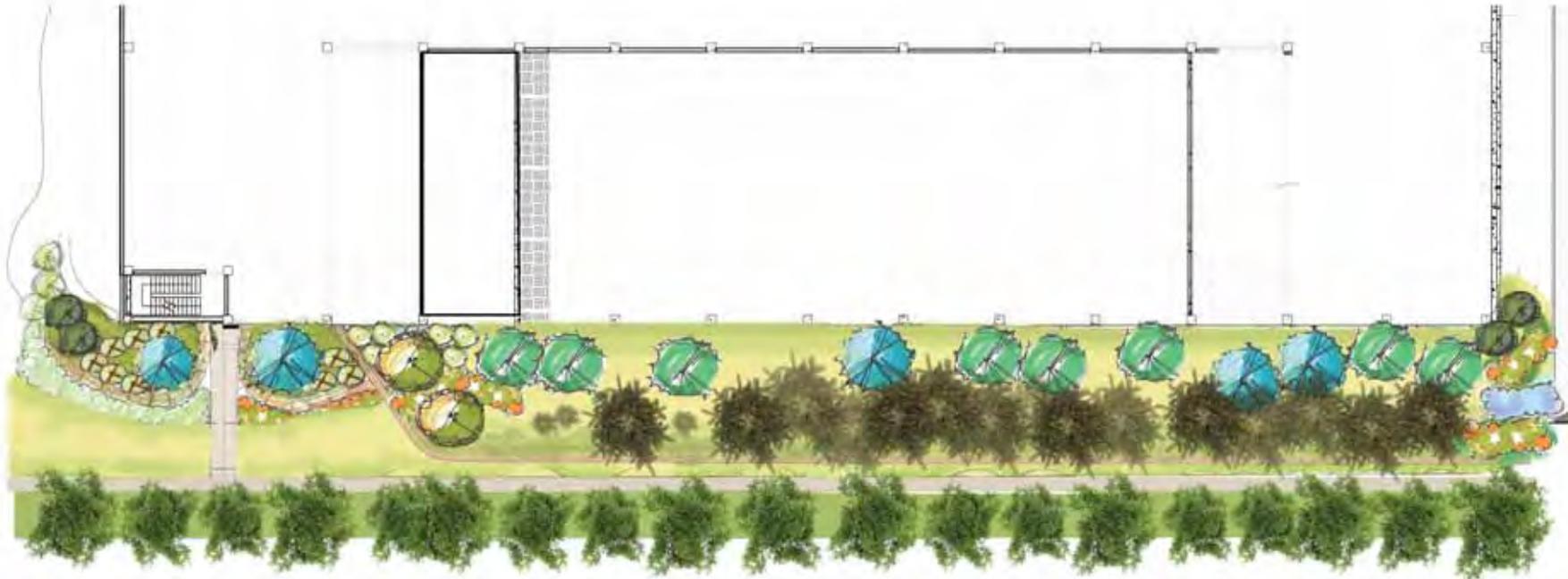
HAND COPY IS REFERRED TO BE
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 ALL AS-BUILT REVISIONS AND
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 SIZES

SCALE:
 PER INDIVIDUAL DWGS
 UNLESS NOTED OTHERWISE

ACL JOB #
 17-0551

SHEET NO.
 A0.3

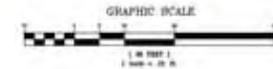
1	ISSUED FOR 12-10-19 PLAN COMMISSION HEARINGS	11-26-19
NO.	REVISION DESCRIPTION	DATE



NORTH GARAGE LANDSCAPE PLAN
SCALE: 1" = 10'-0"



NORTH GARAGE WEST LANDSCAPE ELEVATION
SCALE: 1" = 10'-0"



NO.	REVISION DESCRIPTION	BY	DATE
1	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	ABD	08/13/16
2	ADDRESS COMMENTS FROM CLIENT & FOR PLANNING COMMISSION	ABD	03/02/16
3	ADDRESS COMMENTS FROM PLANNING GROUP - MEMO DATED 01/02/16	ABD	01/16/16
4	REVISION FROM NEIGHBORHOOD MEETING HELD 01/16/16	ABD	01/16/16



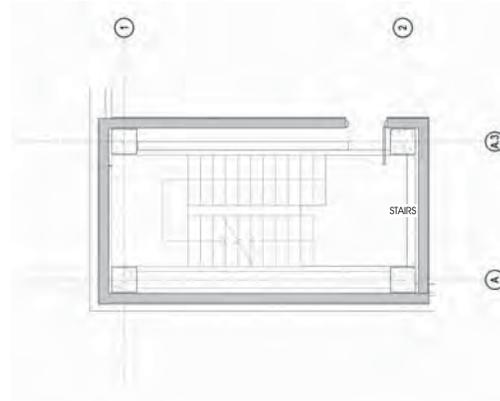
NORTH GARAGE NW PERSPECTIVE



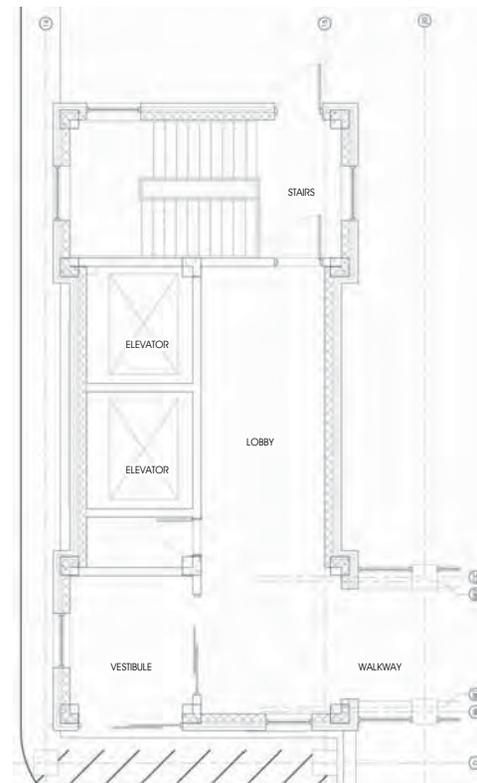
NORTH GARAGE WEALTHY LANDSCAPE PERSPECTIVE



NORTH GARAGE SW PERSPECTIVE

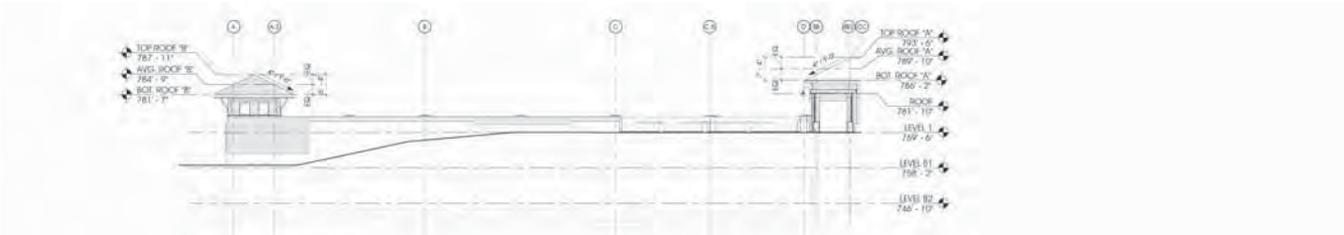


NORTH GARAGE STAIR TOWER B TYP. FLOOR PLAN
SCALE: 1/4" = 1'-0"

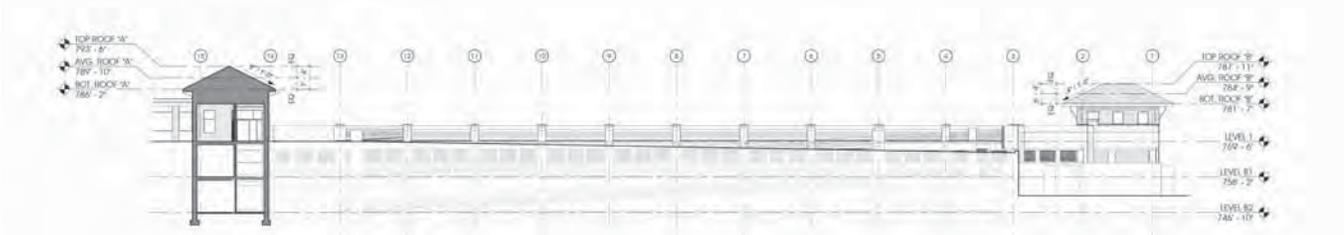


NORTH GARAGE STAIR TOWER A TYP. FLOOR PLAN
SCALE: 1/4" = 1'-0"

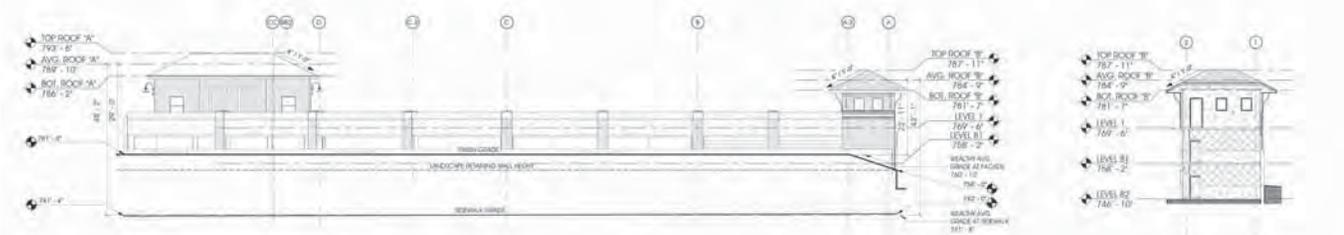
NO.	REVISION DESCRIPTION	BY	DATE
1	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	ARD	08/13/18
2	ADDRESS COMMENTS FROM CLIENT & HIGH PLANNING COMMISSION	ARD	03/02/18
3	ADDRESS COMMENTS FROM PUBLIC HEARING HELD 02/16/18	ARD	02/16/18
4	ADDRESS COMMENTS FROM PUBLIC PLANNING GROUP MEETING HELD 01/03/18 & SPLIT FROM NEIGHBORHOOD MEETING HELD 01/16/18	ARD	01/16/18



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

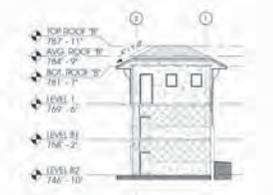


4 GARAGE - EAST ELEVATION
1/16" = 1'-0"

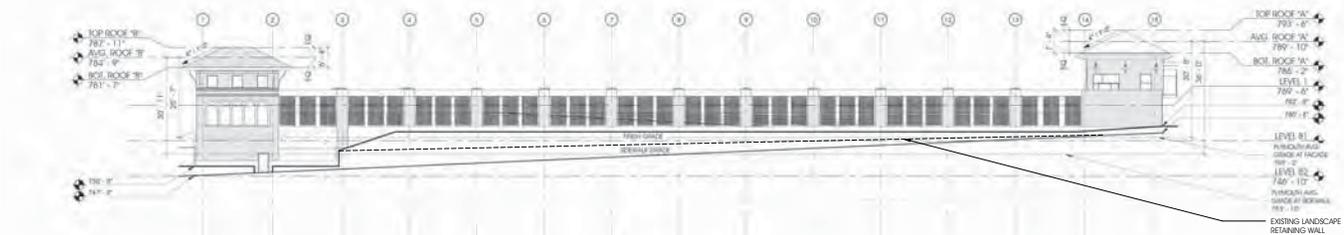


3 GARAGE - NORTH ELEVATION
1/16" = 1'-0"

WEALTHY STREET



2 STAIR TOWER B - EAST ELEVATION DETAIL
1/16" = 1'-0"



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

PLYMOUTH STREET

**WEALTHY STREET
BUILDING HEIGHT CALCULATIONS**

- A. WEALTHY STREET AVERAGE FINISH GRADE:
 $(781'-0" \times 240'-10" \text{ LENGTH}) + (758'-6" \times 115'-0" / 270'-10" = 782'-10"$
AVG. FINISH GRADE
- B. WEALTHY STREET AVERAGE SIDEWALK GRADE:
 $(741'-4" \text{ EAST} + 742'-2" \text{ WEST}) / 2 = 741'-8"$ AVG. SIDEWALK GRADE
- C. STAIR TOWER A BUILDING HEIGHT:
 $(789'-12" \text{ AVG. HGT.} - 780'-10" \text{ AVG. FINISH GRADE}) = 9'-2"$
 $(789'-12" \text{ AVG. HGT.} - 741'-8" \text{ AVG. SIDEWALK GRADE}) = 48'-2"$
- D. STAIR TOWER B BUILDING HEIGHT:
 $(784'-9" \text{ AVG. HGT.} - 780'-10" \text{ AVG. FINISH GRADE}) = 3'-11"$
 $(784'-9" \text{ AVG. HGT.} - 741'-8" \text{ AVG. SIDEWALK GRADE}) = 43'-1"$

**PLYMOUTH STREET
BUILDING HEIGHT CALCULATIONS**

- A. PLYMOUTH STREET AVERAGE FINISH GRADE:
 $(8746.83 \times 5.83 \text{ LENGTH}) + (750.00 \times 40.33 \text{ LENGTH}) +$
 $(8755.33 \times 741 \text{ FEET}) / 18,302 \text{ LENGTH} = 781.80 \times 211.42 \text{ LENGTH} +$
 $(8741.00 \times 762.70 \text{ FEET}) / 28.58 \text{ LENGTH} = 310.17 = 782'-2"$ AVG. FINISH GRADE
- B. PLYMOUTH STREET AVERAGE SIDEWALK GRADE:
 $(751'-4" \text{ NORTH} + 762'-0" \text{ SOUTH}) / 2 = 756'-7"$ AVG. SIDEWALK GRADE
- C. STAIR TOWER A BUILDING HEIGHT:
 $(789'-12" \text{ AVG. HGT.} - 756'-7" \text{ AVG. FINISH GRADE}) = 33'-5"$
 $(789'-12" \text{ AVG. HGT.} - 756'-7" \text{ AVG. SIDEWALK GRADE}) = 33'-5"$
- D. STAIR TOWER B BUILDING HEIGHT:
 $(784'-9" \text{ AVG. HGT.} - 756'-7" \text{ AVG. FINISH GRADE}) = 28'-2"$
 $(784'-9" \text{ AVG. HGT.} - 756'-7" \text{ AVG. SIDEWALK GRADE}) = 28'-2"$

1	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	AND	08/13/18
2	ADDRESS COMMENTS FROM CLIENT & IGP PLANNING COMMISSION	AND	03/02/18
3	ADDRESS COMMENTS FROM IGP PLANNING GROUP	AND	01/16/18
4	ADDRESS COMMENTS FROM IGP PLANNING GROUP - MEMO DATED 01/03/18 & SPLIT FROM HIGHWOODS MEETING HELD 01/16/18	AND	01/16/18
NO.	REVISION DESCRIPTION	BY	DATE



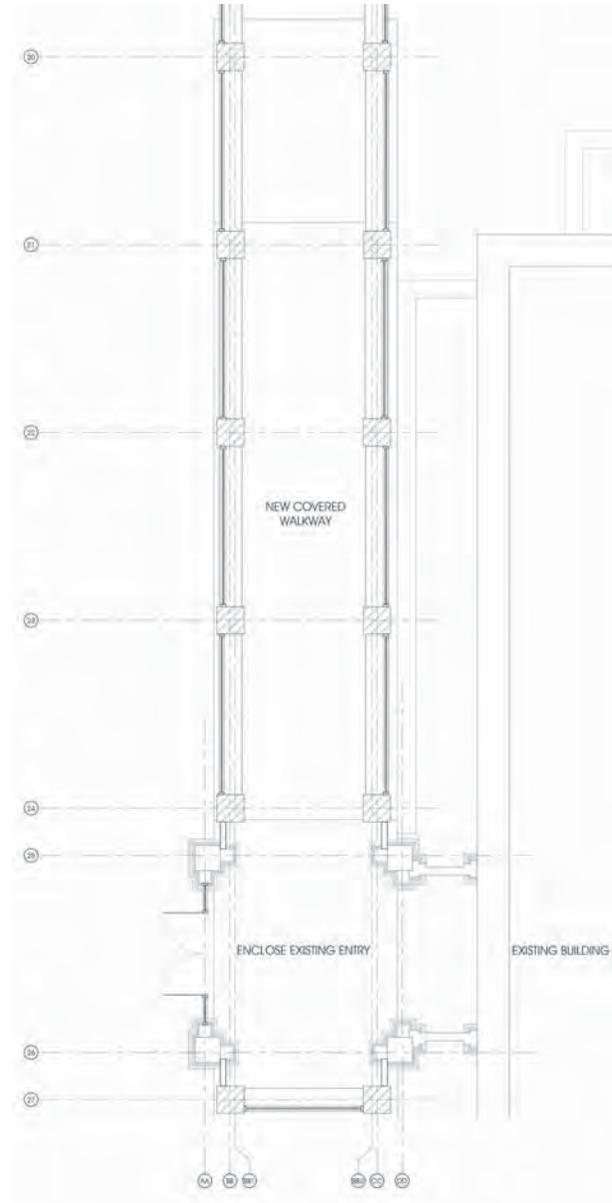
NORTH ENTRANCE SW PERSPECTIVE



NORTH ENTRANCE AERIAL



PLYMOUTH STREET PERSPECTIVE



NORTH ENTRANCE PLAN
SCALE: 1/4" = 1'-0"

NO.	REVISION DESCRIPTION	BY	DATE
1	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	ARD	08/13/18
2	ADDRESS COMMENTS FROM CLIENT & EOP PLANNING COMMISSION	ARD	03/02/18
3	PUBLIC HEARING HELD 02/16/18		
4	ADDRESS COMMENTS FROM EOP PLANNING GROUP - MEMO DATED 01/03/18 & SPLIT FROM NEIGHBORHOOD MEETING HELD 01/16/18	ARD	01/16/18



PLYMOUTH STREET PERSPECTIVE

PROJECT:

PLYMOUTH STREET PERSPECTIVE

SHEET FILE:

MODELS BY: JJT
 DESIGNED BY: ARD
 PM REVIEW: ARD
 QA/QC REVIEW: ARD
 DATE: 12-15-2017
 SEAL:

**Issued for
Zoning
Review**

SIGNATURE:
 DATE:

SCALE:
N.T.S.
 Unless Noted Otherwise

NO.	REVISION DESCRIPTION	BY	DATE
1	ADDRESS COMMENTS FROM CLIENT & RELOCATE NORTH GARAGE	ARD	08/13/18
2	ADDRESS COMMENTS FROM CLIENT & HIGH PLANNING COMMISSION	ARD	03/01/18
3	ADDRESS COMMENTS FROM HIGH PLANNING COMMISSION	ARD	03/01/18
4	ADDRESS COMMENTS FROM HIGH PLANNING GROUP - MEMO DATED 01/03/18 & SPLIT FROM HIGHWATERWOOD MEETING HELD 01/16/18	ARD	01/16/18



⊕ SOUTH GARAGE LANDSCAPE PLAN
REV 10/2014



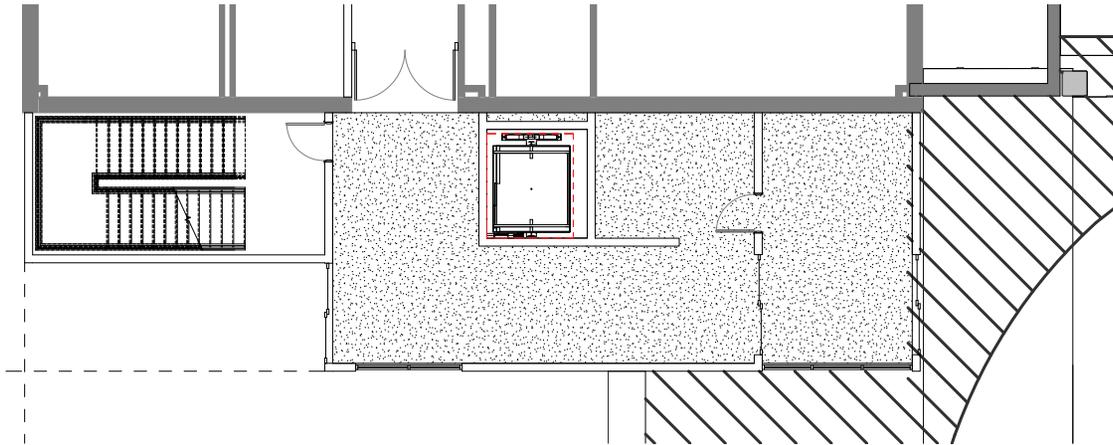
SOUTH GARAGE WEST LANDSCAPE ELEVATION
REV 10/2014

NO.	DESCRIPTION	DATE
1	ISSUED FOR 12-10-19 PLAN COMMISSION HEARING	11-26-19

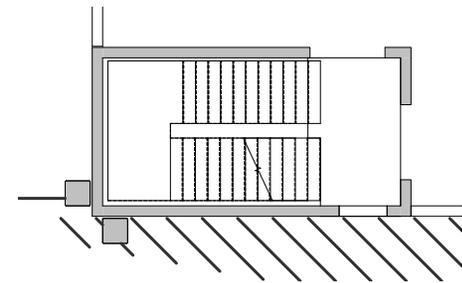


① SOUTH GARAGE NW PERSPECTIVE
12" = 1'-0"

② SOUTH GARAGE SW PERSPECTIVE
12" = 1'-0"

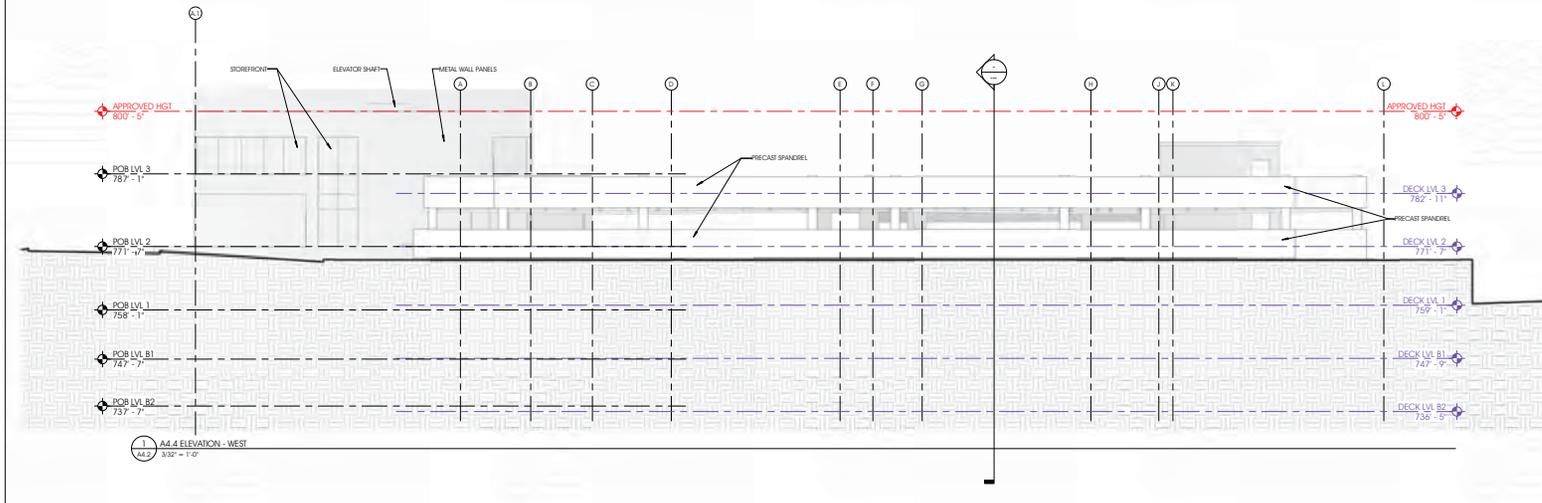
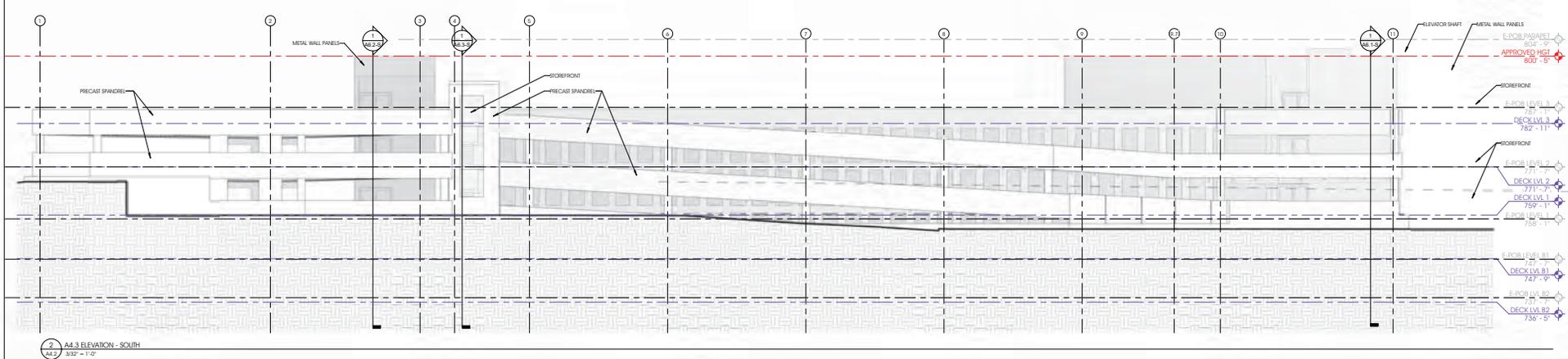
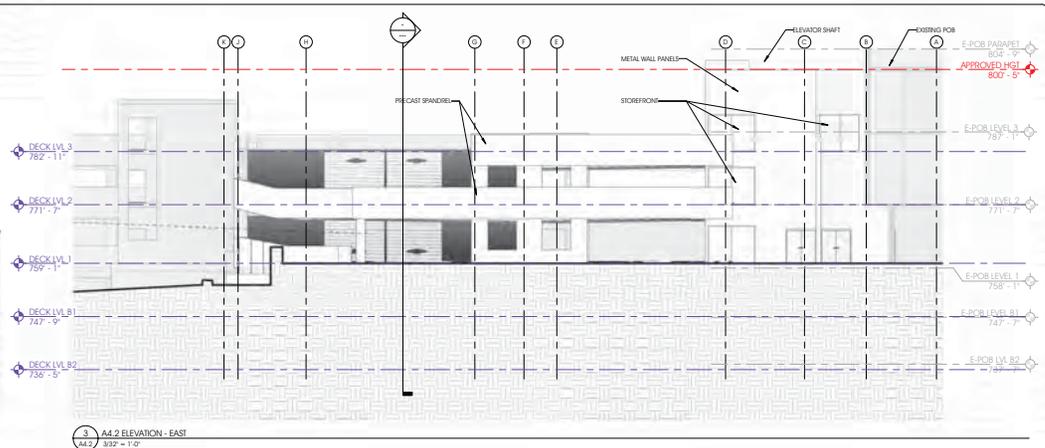
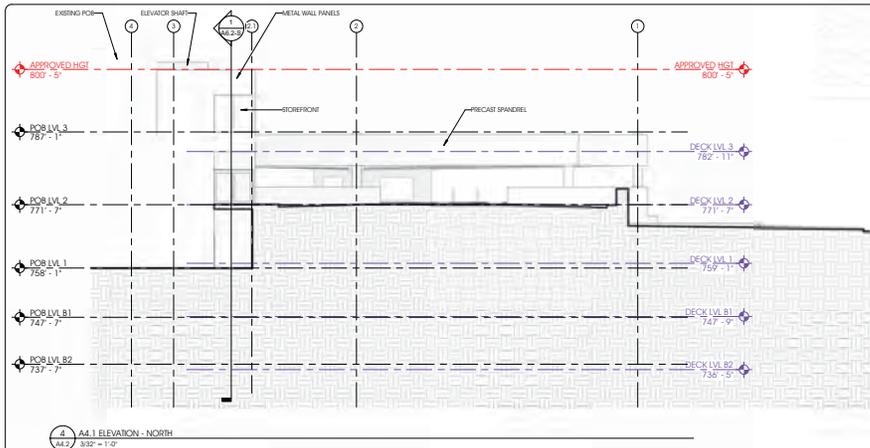


⊕ SOUTH GARAGE WEST STAIR TOWER TYP. PLAN
SCALE: 1/8" = 1'-0"



SOUTH GARAGE SOUTH STAIR TOWER TYP. PLAN
NOT TO SCALE

1	ISSUED FOR 12-10-19 PLAN COMMISSION HEARINGS	11-26-19
NO.	BY: MDN	DATE:



1	ISSUED FOR 12-10-19 PLAN COMMISSION HEARINGS	11-26-19
NO.	REVISION DESCRIPTION	DATE



AMBULANCE CANOPY - WEST PERSPECTIVE
1/20 TO SCALE



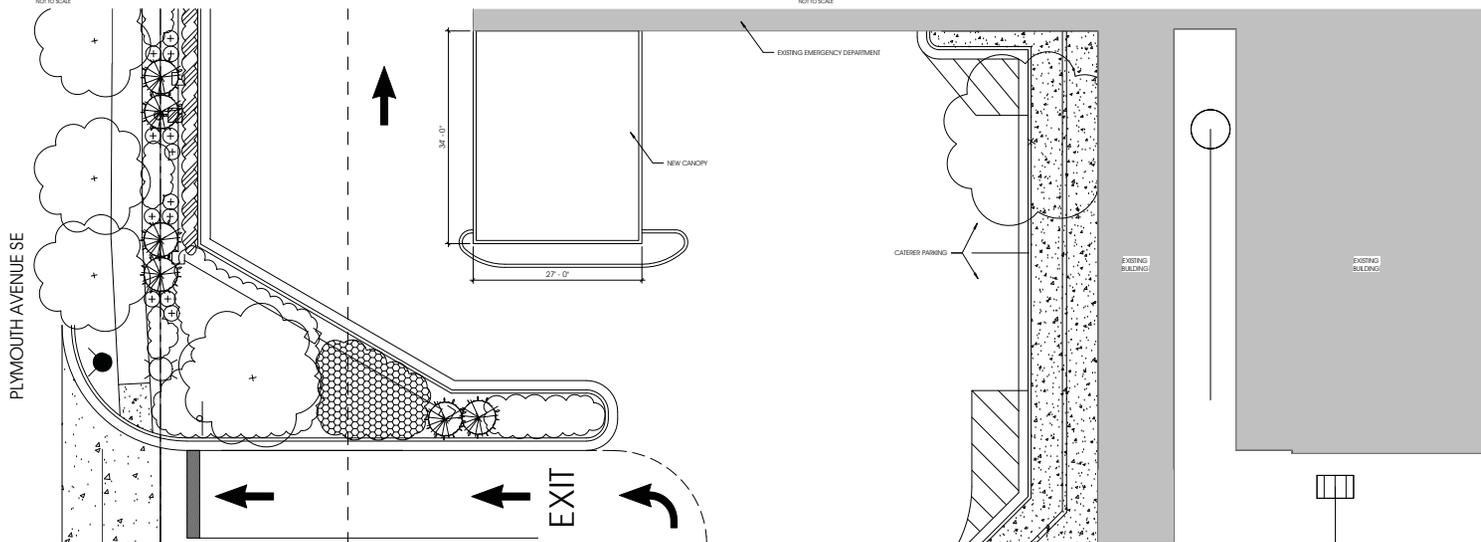
AMBULANCE CANOPY - WEST AERIAL PERSPECTIVE
1/20 TO SCALE



AMBULANCE CANOPY - WEST ELEVATION
1/20 TO SCALE



AMBULANCE CANOPY - SOUTH ELEVATION
1/20 TO SCALE



7 AMBULANCE CANOPY - ROOF PLAN
1/8" = 1'-0"




 SHERMAN LANDSCAPE PLAN
 NOT TO SCALE

ABONMARCHÉ
 LANDSCAPE ARCHITECTURE
 1000 W. WALTON ST.
 SUITE 100
 GRAND RAPIDS, MI 49503
 TEL: 616.455.1100
 WWW.ABONMARCHÉ.COM

SPECTRUM HEALTH
 BLODGETT HOSPITAL
 CAMPUS STRATEGY & PARKING
 1840 WEALTHY STREET
 GRAND RAPIDS, MI 49503

SITE PLAN REVIEW
 SHERMAN STREET
 LANDSCAPE PLAN

SHEET TITLE:
 MODELER BY: AUPHOF
 DESIGNED BY: ARD
 PM REVIEW: ARD
 CHECK REVIEW: MDN
 DATE: SEPT 11, 2019
 SEAL:

SIGNATURE:
 DATE:

MAKE COPY IS RETURNED TO BE
 AS ACCURATE AS POSSIBLE AND
 GRAPHIC QUALITY WILL NOT
 BE ACCURATE FOR ANY OTHER
 SITES

SCALE:
 PER INDIVIDUAL DWGS
 UNLESS NOTED OTHERWISE

A/C/JOB #
17-0551

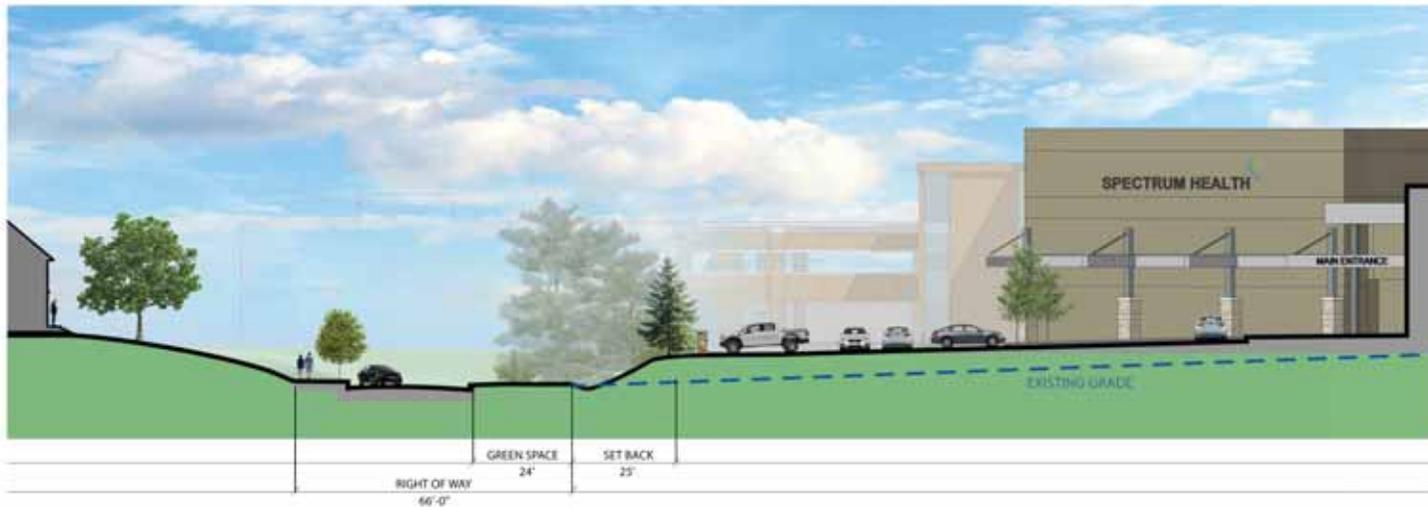
SHEET NO.

A6.0

NO.	ISSUED FOR (12-10-19 PLAN COMMISSION HEARING)	DATE



PLYMOUTH CROSS SECTION
NOT TO SCALE



SHERMAN CROSS SECTION
NOT TO SCALE

PROJECT:

SITE PLAN REVIEW
 STREET SECTIONS

SHEET TITLE:

MODELLED BY: AU/POR
 DESIGNED BY: ARD
 PM REVIEW: ARD
 CHECK REVIEW: MDN
 DATE: SEPT 11, 2019
 SEAL:

SIGNATURE:
 DATE:

SCALE:
 PER INDIVIDUAL DWGS
 UNLESS NOTED OTHERWISE

ACL JOB #
17-0551

SHEET NO.

1	ISSUED FOR 12-10-19 PLAN COMMISSION HEARINGS	11-26-19
NO.	BY: [REDACTED]	DATE:

