MERCY COLLEGE PARKING LOT R IMPROVEMENTS

555 BROADWAY
DOBBS FERRY, NY 10522

100% CONSTRUCTION DOCUMENTS
JUNE 17, 2022

PROJECT LOCATION
NTS

N

LIST OF DRAWINGS

CS	COVER SHEET
C-100	LEGEND AND NOTES
C-101	EXISTING CONDITIONS PLAN - NORTH
C-102	EXISTING CONDITIONS PLAN - SOUTH
C-103	DEMOLITION PLAN - NORTH
C-104	DEMOLITION PLAN - SOUTH
C-105	SITE PLAN - NORTH
C-106	SITE PLAN - SOUTH
C-107	GRADING AND EROSION CONTROL PLAN - NORTH
C-108	GRADING AND EROSION CONTROL PLAN - SOUTH
C-109	STORM DRAINAGE PLAN - NORTH
C-110	STORM DRAINAGE PLAN - SOUTH
C-501	DETAILS (1 OF 4)
C-502	DETAILS (2 OF 4)
C-503	DETAILS (3 OF 4)
C-504	DETAILS (4 OF 4)
E-001	ELECTRICAL COVER SHEET
ED-101	ELECTRICAL DEMOLITION PLAN - NORTH
ED-102	ELECTRICAL DEMOLITION PLAN - SOUTH
E-101	SITE LIGHTING PLAN - NORTH
E-102	SITE LIGHTING PLAN - SOUTH
E-103	UNDERGROUND CONDUIT PLAN
E-600	ELECTRICAL DETAILS
ES-101	PHOTOMETRIC PLAN - NORTH
ES-102	PHOTOMETRIC PLAN - SOUTH

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

COVER SHEET

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
GERARD J. SEITZ
No. 062576
LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: NTS

Date: 06/17/2022	Project Manager: DLP
Drawn By: TAS	Checked By: DLP

Project: 21013.00

Sheet: CS

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

PLOT DATE 6/20/2022 11:05:20 AM FILE NAME U:\2021\21013.00 Mercy College PL Lot Drainage and Safety\Drawings\Dwg\21013.00_COVR.dwg

GENERAL NOTES

1. IF SIGNS OF CONTAMINATION ARE ENCOUNTERED DURING EXCAVATION, IMMEDIATELY STOP WORK AND NOTIFY THE OWNER. SIGNS OF CONTAMINATION INCLUDE, BUT ARE NOT LIMITED TO: ODOR, OILY SHEEN, SLUDGE, SOIL STAINING, AND UNUSUAL FILL MATERIAL. THE NYSDEC MUST BE CONTACTED BY THE OWNER'S REPRESENTATIVE IF PETROLEUM CONTAMINATED SOIL IS ENCOUNTERED ONSITE DURING CONSTRUCTION.
2. CONTRACTOR RESPONSIBLE FOR CONTACTING METROPOLITAN TRANSPORTATION AUTHORITY (MTA) PRIOR TO CONSTRUCTION TO DETERMINE PERMITTING REQUIREMENTS FOR CONSTRUCTION ADJACENT TO MTA PROPERTY. NO WORK MAY COMMENCE WITHOUT AND AUTHORIZED WORK PERMIT AND ANY ADDITIONAL REQUIREMENTS ACCOMPANYING THE WORK PERMIT.

MAP NOTES

1. TOPOGRAPHIC SURVEY AND MAPPING PREPARED BY FOIT-ALBERT ASSOCIATES BASED ON FIELD SURVEY BY FOIT-ALBERT ASSOCIATES.
2. PROPERTY LINES ARE APPROXIMATE AND BASED ON AVAILABLE TAX MAP PARCELS DATA.
3. HORIZONTAL DATUM IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD83, 2011) NEW YORK STATE PLANE COORDINATE SYSTEM, WEST ZONE.
4. VERTICAL DATUM IS REFERENCE TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) ESTABLISHED BY STATIC GPS METHODOLOGY FROM NYSCORS NETWORK.

REMOVALS NOTES

1. PROTECT EXISTING TREES WHICH ARE TO BE PRESERVED FROM ROOT, TRUNK, AND LIMB DAMAGE. RESTRICT VEHICULAR TRAFFIC TO AREAS OUTSIDE THE DRIP LINE OF TREES. PREVENT COMPACTION OF SOIL WITHIN DRIP LINE OF TREES AND SURROUNDING SHRUBS.
2. SAWCUTTING IS REQUIRED FOR TRENCHES AND PAVEMENT REMOVALS OR OTHER EXCAVATION WORK WITHIN PAVED AREAS OR AT CURBS, UNLESS OTHERWISE NOTED OR APPROVED BY THE OWNER'S REPRESENTATIVE.
3. EXISTING CURB DESIGNATED FOR REMOVAL MUST BE REMOVED AND DISPOSED OFF SITE. ANY EXISTING CURB TO REMAIN THAT IS DAMAGED DURING CONSTRUCTION MUST BE REMOVED AND DISPOSED OF OFF SITE AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.
4. WHEN ADJACENT ASPHALT, CONCRETE, OR PAVING STONE AREAS ARE DISTURBED AS PART OF THE CONSTRUCTION, REPLACE THE DAMAGED OR EXCAVATED AREA. SAWCUT THE PERIMETER OF THE DISTURBED AREA FULL DEPTH SO THAT LINES ARE STRAIGHT AND TRUE.

STAGING AND WORK ZONE CONTROL NOTES

1. ENSURE THAT CONDITIONS SURROUNDING THE WORK AREA ARE ADEQUATE FOR PUBLIC SAFETY AT ALL TIMES. IMMEDIATELY REPORT THE PRESENCE OF ANY UNSAFE CONDITIONS TO THE OWNER .
2. NOTIFY LOCAL LAW ENFORCEMENT AND EMERGENCY SERVICES OF CHANGES TO THE TRAFFIC (VEHICULAR AND/OR PEDESTRIAN) PATTERNS AND ANY OTHER COORDINATION THEY REQUIRE.
3. MAINTAIN A SAFE TRAVEL WAY FOR PEDESTRIANS AROUND ALL WORK AREAS. KEEP ALL WORK AREAS, EITHER ACTIVE OR INACTIVE, INACCESSIBLE TO THE PUBLIC AT ALL TIMES BY MEANS ACCEPTABLE TO THE OWNER.
4. COORDINATE TRAFFIC CONTROL MEASURES AND WORK SCHEDULE WITH THE OWNER.
5. MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE FEDERAL AND NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, SECTION 619 OF THE CURRENT NYSDOT STANDARD SPECIFICATIONS, THESE PLANS, AND AS ORDERED BY THE OWNER'S REPRESENTATIVE.
6. VEHICLES AND/OR EQUIPMENT BELONGING TO THE CONTRACTOR OR THEIR WORKERS MAY NOT BE PARKED ON THE PAVEMENT OR SHOULDER ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC. NO MATERIAL MAY BE PLACED ON THE SHOULDER OR WITHIN THE CLEAR ROADSIDE AREA. CONSTRUCTION EQUIPMENT, MATERIALS, AND/OR VEHICLES STORED DURING NON-WORKING HOURS OR OVERNIGHT MUST BE LOCATED IN A FENCED PROJECT AREA AS PER OWNER'S DIRECTION.
7. CONTRACTOR SHALL SUBMIT TO THE OWNER AND ENGINEER A WORK ZONE TRAFFIC CONTROL (WZTC) PLAN FOR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK. WZTC PLAN SHALL INCLUDE METHODS FOR ROAD CLOSURES, PARTIAL LANE CLOSURES, AND PARKING LOT CLOSURES WITH APPROXIMATE DATES OF WORK.

UTILITY NOTES

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATIONS AND/OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE.
2. CALL THE UNDERGROUND FACILITIES PROTECTION ORGANIZATION (UFPO) AT LEAST (7) FULL WORKING DAYS BEFORE ANY EXCAVATION (800) 962-7962. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES THAT ARE NOT A MEMBER OF THE "DIG SAFELY NEW YORK" PROGRAM.
3. VERIFY UTILITY LOCATIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO COMMENCING WORK AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
4. TAKE PRECAUTIONS NECESSARY TO PRESERVE THE INTEGRITY OF EXISTING UTILITIES TO REMAIN AND PROVIDE UNINTERRUPTED SERVICE TO ALL USERS OF THE EXISTING UTILITIES. PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE BY EQUIPMENT PASSING OVER THEM. SUPPORT AND PROTECT EXISTING UTILITIES TO REMAIN IN EXCAVATIONS. USE SUITABLE VIBRATORY EQUIPMENT AND CONSTRUCTION PROCEDURES TO AVOID DISTURBANCE OR BREAKAGE OF THE EXISTING UTILITIES. CONTRACTOR TO REPAIR UTILITIES DAMAGED BY CONTRACTOR AT CONTRACTOR'S OWN COST.
5. NOTIFY THE OWNER 72 HOURS PRIOR TO PROPOSED UTILITY SHUTDOWN TO ALLOW TIME TO COORDINATE.
6. ADJUST OR REPLACE EXISTING WATER VALVES, GAS VALVES, STEAM, ELECTRIC, TELECOMMUNICATIONS, SANITARY SEWER, AND STORM MANHOLES AND/OR COVERS LOCATED WITHIN THE LIMIT OF CONTRACT AS REQUIRED TO MEET THE PROPOSED FINISH GRADE.
7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY REQUIRED UTILITY PERMITS FROM THE UTILITY PROVIDER FOR CONNECTION TO PUBLIC UTILITIES PRIOR TO CONSTRUCTION.

EARTHWORK & SITE RESTORATION NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL EARTHWORK INFORMATION.
2. SOIL SUBBASES SHOULD NOT BE ALLOWED TO POOL STANDING WATER OR BECOME SATURATED, FROZEN, OR DISTURBED.
3. PERFORM WORK IN COMPLIANCE WITH TITLE 29, CODE OF FEDERAL REGULATIONS, PART 1926, SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION (O.S.H.A.). IN TRENCH EXCAVATIONS, LAY THE SIDES SLOPES BACK TO A PERMITTED SLOPE (IF ADEQUATE SPACE IS AVAILABLE), USE A TRENCH SHIELD, OR PROVIDE SHEETING, SHORING, AND BRACING. INCLUDE COSTS FOR TRENCH AND STRUCTURE EXCAVATION PROTECTION IN THE BID.
4. RESTORE DISTURBED AREAS WITH TOPSOIL (4" MINIMUM), HYDROSEEDING, MULCHING, AND WATERING UNLESS OTHERWISE STATED ON THE DRAWINGS.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF LAWN SURFACES WITHIN THE CONTRACT LIMITS FOR THE DURATION OF THE CONSTRUCTION. MAINTAIN GRASS AT HEIGHTS BETWEEN 3 AND 3-1/2 INCHES ON A WEEKLY BASIS UNTIL THE FINAL ACCEPTANCE OF THE WORK.
6. DESIGNATE AN AREA AS APPROVED BY THE OWNER FOR TEMPORARY TOPSOIL STOCKPILING. KEEP SEPARATE FROM OTHER MATERIAL STOCKPILES. REMOVE FROM THE SITE AND DISPOSE OF STOCKPILED TOPSOIL THAT WILL NOT BE REUSED. REMOVE AND DISPOSE OF ANY UNSUITABLE SOIL MATERIAL.
7. RESTORE EXCAVATIONS AND DISTURBED AREAS TO THE PROPOSED CONDITIONS SHOWN ON THE DRAWINGS AND PROJECT SPECIFICATIONS. THIS INCLUDES CONSTRUCTION ACCESS ROUTES, STAGING AREAS, AND DESIGNATED CONTRACT WORK AREAS.
8. PROVIDE ROUNDING AT TOP OF CUTS AND TOE OF FILLS WHEREVER POSSIBLE TO BLEND NEW CONTOURS TO EXISTING.
9. ALL AREA WITHIN PROJECT LIMITS IS TO BE TOPSOILED AND SEEDED PER SPECIFICATIONS.

STORMWATER POLLUTION PREVENTION NOTES

1. THE PROJECT IS SUBJECT TO THE REQUIREMENTS OF NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY, GP-0-20-001. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED FOR THE PROJECT, AND EROSION AND SEDIMENT CONTROL WORK MUST BE COMPLETED UNDER THE PROVISIONS OF THE SWPPP.
2. FOLLOW MAINTENANCE, INSPECTION PROCEDURES, AND REQUIREMENTS OUTLINED IN THE NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY, GP-0-20-001.
3. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITY, IDENTIFY AT LEAST ONE PERSON FROM RESPECTIVE COMPANIES INVOLVED IN EARTH DISTURBING ACTIVITIES THAT WILL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND HAS RECEIVED 4 HOURS OF ENDORSED E&SC TRAINING. DESIGNATED TRAINED CONTRACTORS MUST READ, UNDERSTAND, AND SIGN A CONTRACTOR'S CERTIFICATION STATEMENT CONTAINED IN THE SWPPP PRIOR TO CONSTRUCTION. AT LEAST ONE TRAINED CONTRACTOR MUST BE ON THE SITE DURING THE PERFORMANCE OF SOIL-DISTURBING ACTIVITIES.
4. THE DIRECTOR'S REPRESENTATIVE IS RESPONSIBLE FOR DESIGNATING A QUALIFIED INSPECTOR AS DEFINED IN THE PERMIT TO PERFORM INSPECTIONS. THE QUALIFIED INSPECTOR IS RESPONSIBLE FOR INSPECTING THE SITE FOR COMPLIANCE WITH THE SWPPP AND THE PERMIT, IDENTIFYING COMPONENTS REQUIRING MAINTENANCE OR REMEDIAL ACTION, AND TRANSMITTING THIS INFORMATION TO THE TRAINED CONTRACTOR. MAINTENANCE OR REMEDIAL ACTION IDENTIFIED MUST OCCUR PRIOR TO THE NEXT INSPECTION. THE INSPECTION PERIOD IS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS, UNLESS CONDITIONS REQUIRE MORE FREQUENT INSPECTIONS, OR AS SPECIFIED IN THE PERMIT.
5. MAINTAIN ON THE SITE A CURRENT RECORD OF SWPPP INSPECTIONS ALONG WITH A COPY OF THE PROJECT SWPPP, INCLUDING REVISIONS, ADDITIONS, OR MODIFICATIONS TO THE SWPPP.
6. AT A MINIMUM, THE TRAINED CONTRACTOR(S), AS DEFINED IN GP-0-20-001, MUST:
   A. INSPECT EROSION CONTROL MEASURES BEING IMPLEMENTED IN THE ACTIVE WORK AREA DAILY TO ENSURE THEY ARE BEING MAINTAINED IN EFFECTIVE OPERATING CONDITION. REPAIR DEFICIENCIES IMMEDIATELY.
   B. SEED AND PLANT AREAS TO BE STABILIZED, INCLUDING REPAIRING BARE SPOTS, WASHOUTS, AND MAINTAINING A HEALTHY GROWTH OF STABILIZING COVER(S).
   C. MONITOR ADJACENT ROADWAYS TO ENSURE TRACKED MUD, DUST, DIRT, OR ROCKS ARE SWEPT AS NECESSARY.
   D. SEE THAT GENERAL WORKSITE HOUSEKEEPING IS MAINTAINED.
7. PRIOR TO FILING THE NOTICE OF TERMINATION, THE QUALIFIED INSPECTOR WILL PERFORM A FINAL SITE INSPECTION AND CERTIFY THAT THE SITE HAS UNDERGONE FINAL STABILIZATION AND THAT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE REMOVED.

EROSION AND SEDIMENT CONTROL NOTES

1. INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE MOST CURRENT ISSUANCE OF "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," COMMONLY KNOW AS "THE BLUE BOOK".
2. INSTALL EROSION CONTROL MEASURES FOR THE WORK AREA PRIOR TO SOIL DISTURBANCE AND EARTHWORK CONSTRUCTION ACTIVITIES. APPROPRIATE PRACTICES ARE TO REMAIN IN PLACE UNTIL NEW SLOPES AND EXPOSED EARTHEN SURFACES ARE STABILIZED AND HAVE ACHIEVED A MINIMUM OF 80% OF VEGETATIVE COVER IN ACCORDANCE WITH NYS SPDES GP-0-20-001 OR AS ORDERED BY DIRECTOR'S REPRESENTATIVE.
3. OTHER EROSION PROTECTION MEASURES OR STRUCTURES MAY BE REQUIRED AS CONDITIONS WARRANT, INCLUDING SILT FENCE, SEEDING, TEMPORARY MULCHING, STABILIZATION BLANKETS, ETC. PROVIDE PROTECTION FOR WATER BODIES ADJACENT TO OR DOWN GRADIENT FROM THE PROJECT AND PROTECT ADJACENT PROPERTIES FROM DAMAGE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. REPLACE OR REPAIR EROSION CONTROL STRUCTURES THAT FAIL AS QUICKLY AS POSSIBLE.
4. TAKE APPROPRIATE MEASURES TO PREVENT CONTAMINATION OF WATER BODIES OR DRAINAGE SYSTEM BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS OR PAINT, CONCRETE LEACHATE, DUST OR POLLUTION ASSOCIATED WITH CONSTRUCTION OPERATIONS.
5. RING STOCKPILES OF ERODIBLE MATERIAL WITH SILT FENCE OR FILTER SOCK. STABILIZE STOCKPILES EXPOSED FOR LONGER THAN 14 DAYS WITH TEMPORARY SEED AND MULCH, COVERED, OR OTHER MEANS OF TEMPORARY STABILIZATION PROVIDED.
6. PROPERLY ANCHOR STABILIZATION MATTING (ALSO KNOWN AS EROSION CONTROL BLANKETS) AFTER TOPSOILING AND SEEDING ON DISTURBED SURFACES WITH SLOPES EQUAL TO OR GREATER THAN 3:1.
7. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE(S) AND EQUIPMENT AND MATERIAL STORAGE AREA. LOCATIONS TO BE COORDINATED WITH DIRECTOR'S REPRESENTATIVE. STABILIZE BARE AREAS IN ENTRANCES, CONSTRUCTION ROUTES, OR EQUIPMENT AREAS IMMEDIATELY.
8. MAINTAIN EROSION AND SEDIMENT CONTROL FEATURES UNTIL VEGETATION OR SEEDING HAS BEEN ESTABLISHED. AFTER ACCEPTANCE OF RESTORATION BY THE DIRECTOR'S REPRESENTATIVE, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES.

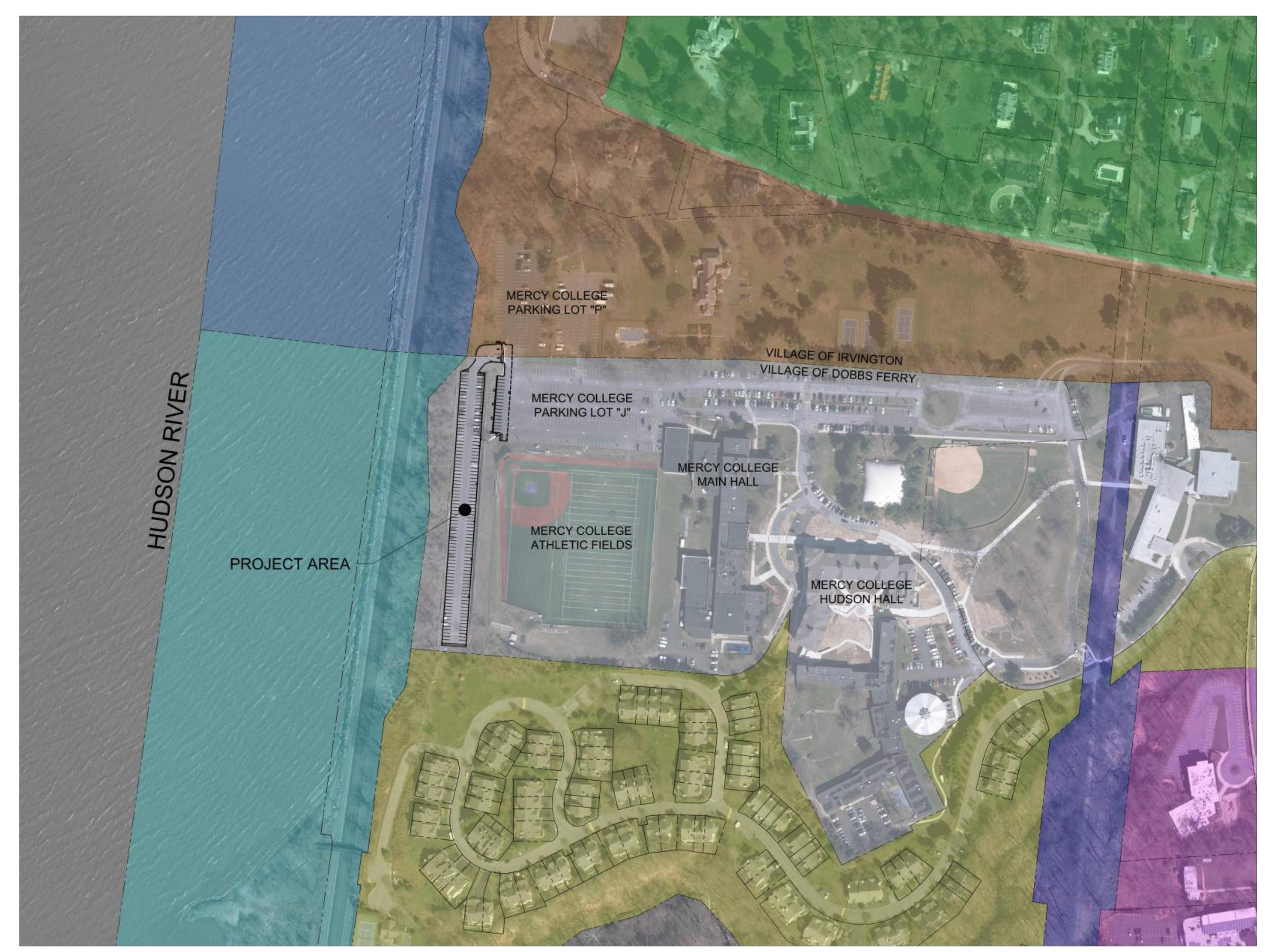
ABBREVIATIONS

TC	TOP OF CURB
BC	BOTTOM OF CURB
EP	EDGE OF PAVEMENT
RIM	RIM OF STRUCTURE
INV	INVERT
M/E	MATCH EXISTING
CB	CATCH BASIN
DI	DRAINAGE INLET
ST MH	STORM MANHOLE
SAN MH	SANITARY MANHOLE
MH	MANHOLE
CO	CLEANOUT
TG	TOP OF GRATE
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE
CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
WV	WATER VALVE
ELEV	ELEVATION
N	NORTHING
E	EASTING
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PI	POINT OF INTERSECTION
R	RADIUS
EX	EXISTING
NFV	NOT FIELD VERIFIED

LEGEND

600	EXISTING CONTOUR
600	PROPOSED CONTOUR
560.5	PROPOSED SPOT ELEVATION
	PROPERTY LINE
ST ST	STORM LINE
	PERFORATED UNDERDRAIN
SAN	SANITARY SEWER LINE
E E	ELECTRIC LINE
OHW	OVERHEAD WIRE
W W	WATER LINE
G G	GAS LINE
x x x x	CHAINLINK FENCE
	LIGHT POLE
SA	SANITARY MANHOLE
ST ST	STORM MANHOLE
CB CB	CATCH BASIN
CO	CLEANOUT
WV	WATER VALVE
	FIRE HYDRANT
	SIGNAGE
	BOLLARD
	EMERGENCY BLUEBOX
	PROJECT LIMITS
	SILT FENCE/FILTER SOCK
	TEMPORARY INLET PROTECTION
	SAWCUT PAVEMENT
BL	BASELINE
	DEMO PAVEMENT
	ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	GABION WALL

ZONING MAP



ZONING LEGEND

R	OF-1
WFA	OF-8
OS	1F-80
OF-5	IE

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
295 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

LEGEND AND NOTES

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

Revision Number	Revision Date

Scale:

Date: 06/17/2022 | Project Manager: DLP
Drawn By: TAS | Checked By: DLP
Project: 21013.00
Sheet: **C-100**

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.
PLOT DATE 6/20/2022 11:55:41 AM FILE NAME U:\2021\21013.00 Mercy College R-Lot Drainage and Safety\Drawings\Eng\20013.00_NOTE.dwg

MATCHLINE: SEE SHEET C-102

Copyright ©2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

FILE NAME: U:\2012\2013.00 Mercy College PL Lot Drainage and Safety\Drawings\Dwg\21013.00_EXIST.dwg
PLOT DATE: 6/20/2022 11:06:08 AM

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

EXISTING CONDITIONS PLAN - NORTH

MERCY COLLEGE PARKING LOT R IMPROVEMENTS

555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal: STATE OF NEW YORK · GERARD J. KEARNEY · 062576 · LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: 1" = 20'

Date: 06/17/2022	Project Manager: DLP
Drawn By: TAS	Checked By: DLP

Project: 21013.00

Sheet: C-101

MATCHLINE: SEE SHEET C-101

N

EXISTING CONDITIONS PLAN - SOUTH

SCALE: 1" = 20'

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2. PLOT DATE 6/20/2022 11:06:11 AM FILE NAME U:\2021\21013.00 Mercy College PL Lot Drainage and Safety\Drawings\Dwg\21013.00_EXIST.dwg

Consultants:

FoitAlbert ASSOCIATES

Architecture. Engineering. Surveying. Environmental.

299 Main Street, Suite 200
Buffalo, NY 14203

P. (716) 856-3933

www.foit-albert.com

EXISTING CONDITIONS PLAN - SOUTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS

555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
GERARD J. SEITZ
No. 062576
LICENSED PROFESSIONAL ENGINEER

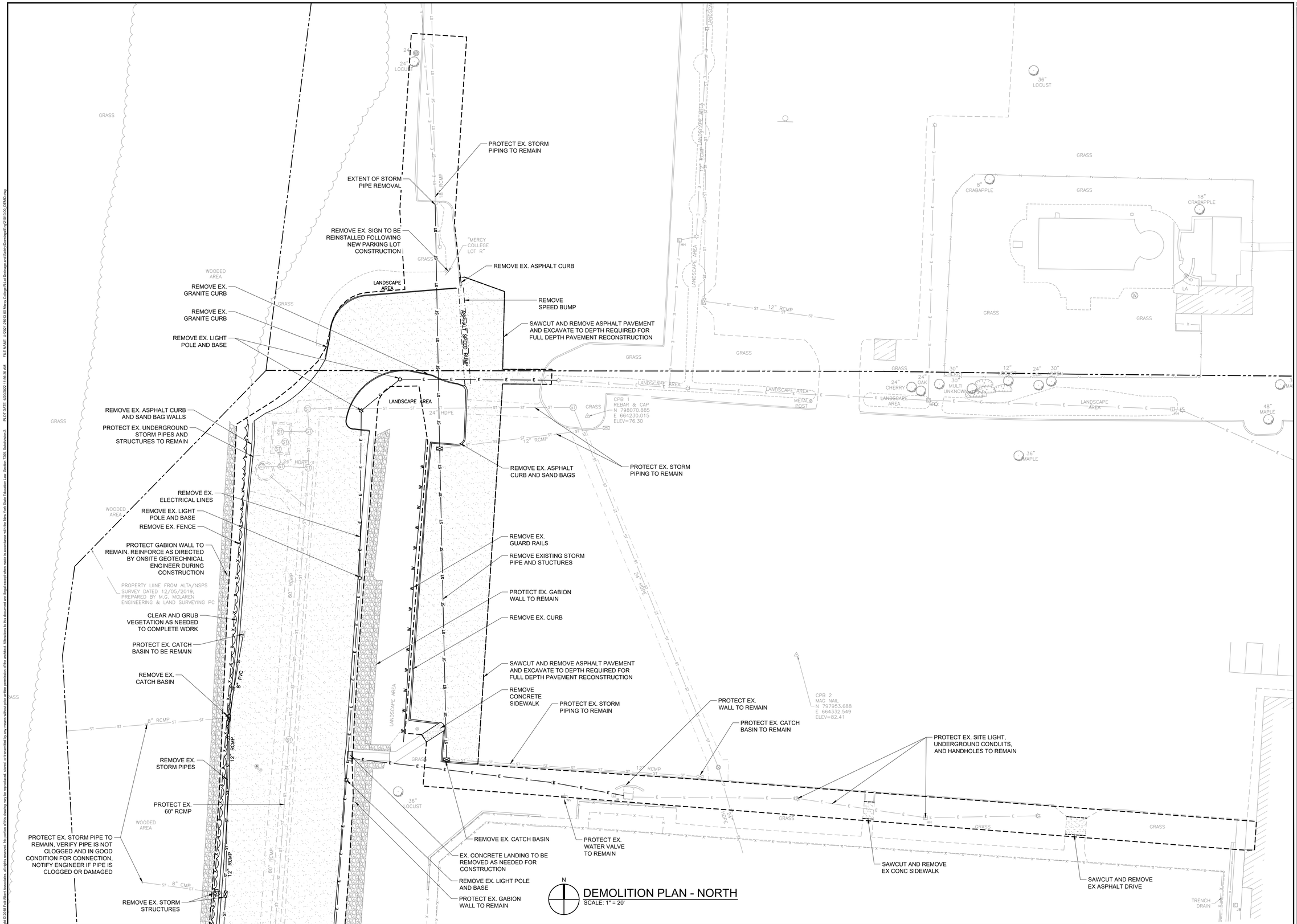
Revision Number	Revision Date

Scale: 1" = 20'

Date:	Project Manager:
06/17/2022	DLP
Drawn By:	Checked By:
TAS	DLP

Project: 21013.00

Sheet: C-102



MATCHLINE: SEE SHEET C-104

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

PLOT DATE 6/20/2022 11:06:38 AM FILE NAME U:\2012\21013.00 Mercy College PL Lot Drainage and Safety\Drawings\Dwg\21013.00_DEMO.dwg

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

DEMOLITION PLAN - NORTH

MERCY COLLEGE PARKING LOT R IMPROVEMENTS

555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
GERARD J. KEENTZ
No. 062576
LICENSED PROFESSIONAL ENGINEER

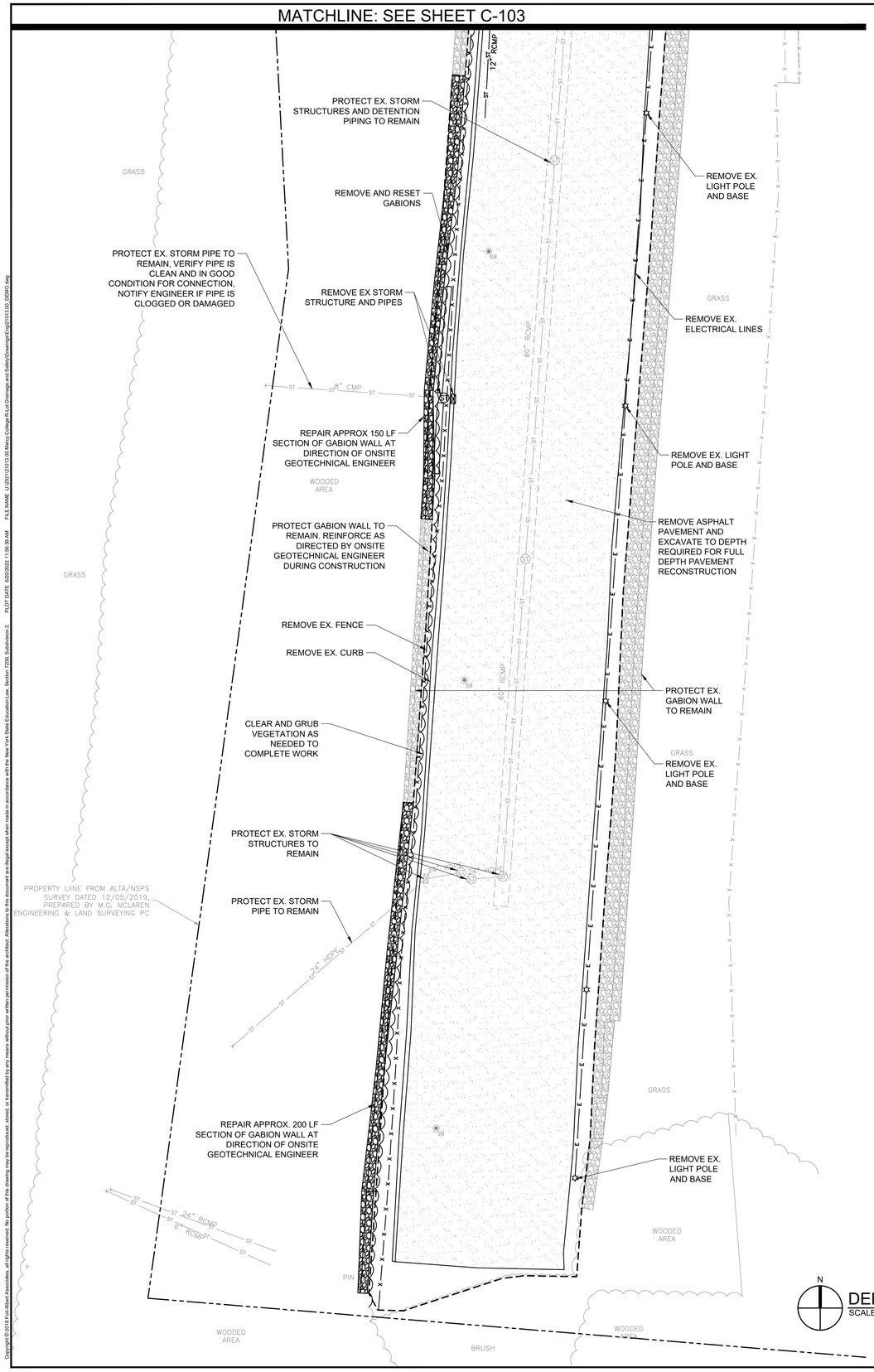
Revision Number	Revision Date

Scale: 1" = 20'

Date: 06/17/2022
Drawn By: TAS
Project Manager: DLP
Checked By: DLP

Project: 21013.00

Sheet: C-103



DEMOLITION PLAN - SOUTH
SCALE: 1" = 20'

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209. Subdivision 2. PLOT DATE 6/20/2022 11:06:39 AM FILE NAME U:\2012\2013.00 Mercy College PL Lot Drainage and Safety\Drawings\21013.00_DEMO.dwg

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

DEMOLITION PLAN - SOUTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:
STATE OF NEW YORK
GERARD J. [illegible]
No. 062576
LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

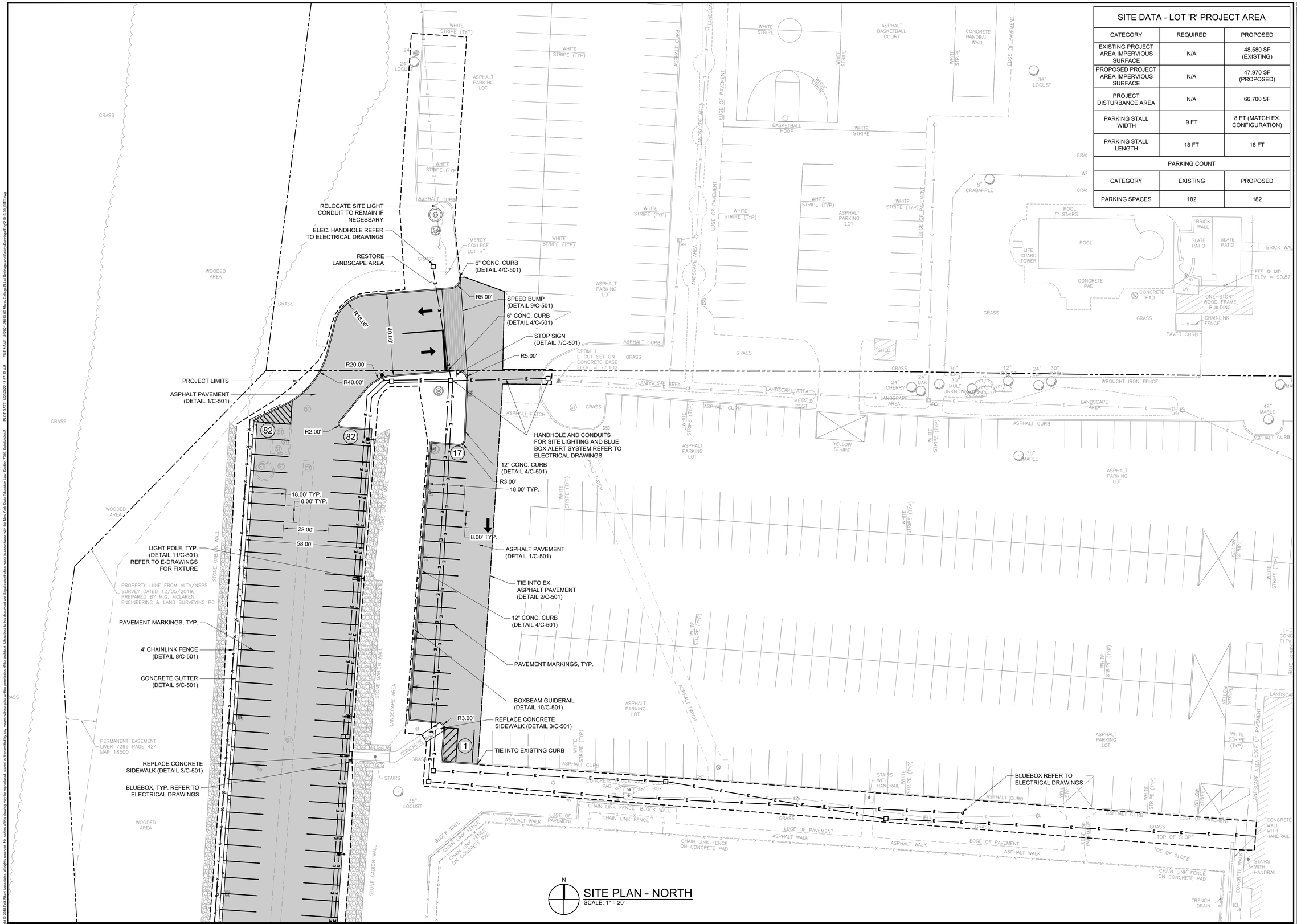
Scale: 1" = 20'

Date: 06/17/2022
Project Manager: DLP
Drawn By: TAS
Checked By: DLP

Project: 21013.00

Sheet: C-104

SITE DATA - LOT 'R' PROJECT AREA		
CATEGORY	REQUIRED	PROPOSED
EXISTING PROJECT AREA IMPERVIOUS SURFACE	N/A	48,580 SF (EXISTING)
PROPOSED PROJECT AREA IMPERVIOUS SURFACE	N/A	47,970 SF (PROPOSED)
PROJECT DISTURBANCE AREA	N/A	66,700 SF
PARKING STALL WIDTH	9 FT	8 FT (MATCH EX. CONFIGURATION)
PARKING STALL LENGTH	18 FT	18 FT
PARKING COUNT		
CATEGORY	EXISTING	PROPOSED
PARKING SPACES	182	182



Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

SITE PLAN - NORTH

MERCY COLLEGE PARKING LOT R IMPROVEMENTS

555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal: STATE OF NEW YORK · GERARD J. KEATS · 062576 · LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: 1" = 20'

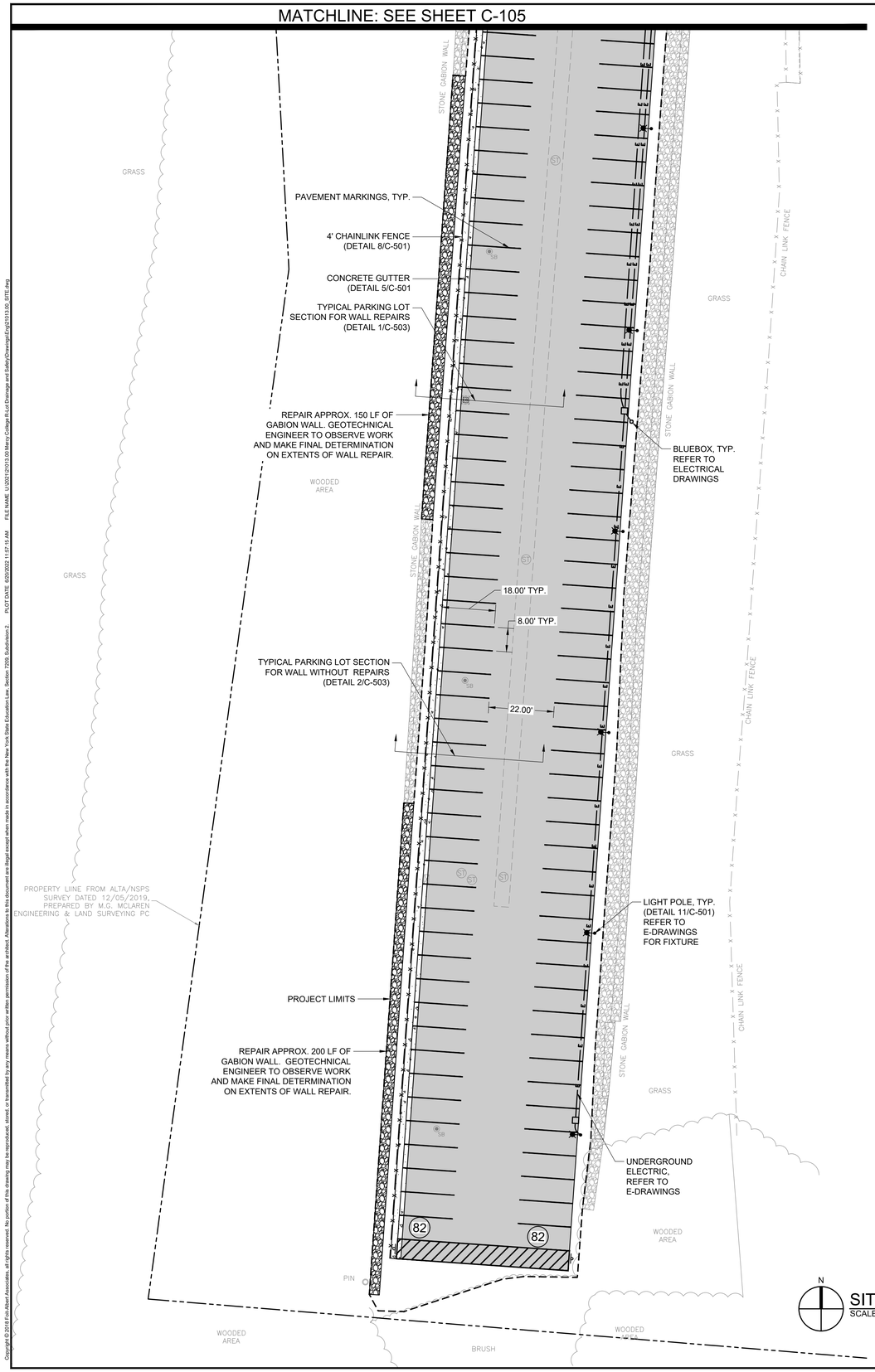
Date: 06/17/2022	Project Manager: DLP
Drawn By: TAS	Checked By: DLP

Project: 21013.00

Sheet: C-105

Copyright ©2019 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209. Subdivision 2.

PLOT DATE 6/20/2022 11:07:13 AM FILE NAME U:\2012\21013.00 Mercy College R Lot Drainage and Safety\Drawings\Dwg\21013.00_SITE.dwg



SITE PLAN - SOUTH
SCALE: 1" = 20'

SITE DATA - LOT 'R' PROJECT AREA		
CATEGORY	REQUIRED	PROPOSED
EXISTING PROJECT AREA IMPERVIOUS SURFACE	N/A	48,580 SF (EXISTING)
PROPOSED PROJECT AREA IMPERVIOUS SURFACE	N/A	47,970 SF (PROPOSED)
PROJECT DISTURBANCE AREA	N/A	66,700 SF
PARKING STALL WIDTH	9 FT	8 FT (MATCH EX. CONFIGURATION)
PARKING STALL LENGTH	18 FT	18 FT
PARKING COUNT		
CATEGORY	EXISTING	PROPOSED
PARKING SPACES	182	182

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

SITE PLAN - SOUTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:
STATE OF NEW YORK
GERARD J. KEUTZ
NY 062576
LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: 1" = 20'

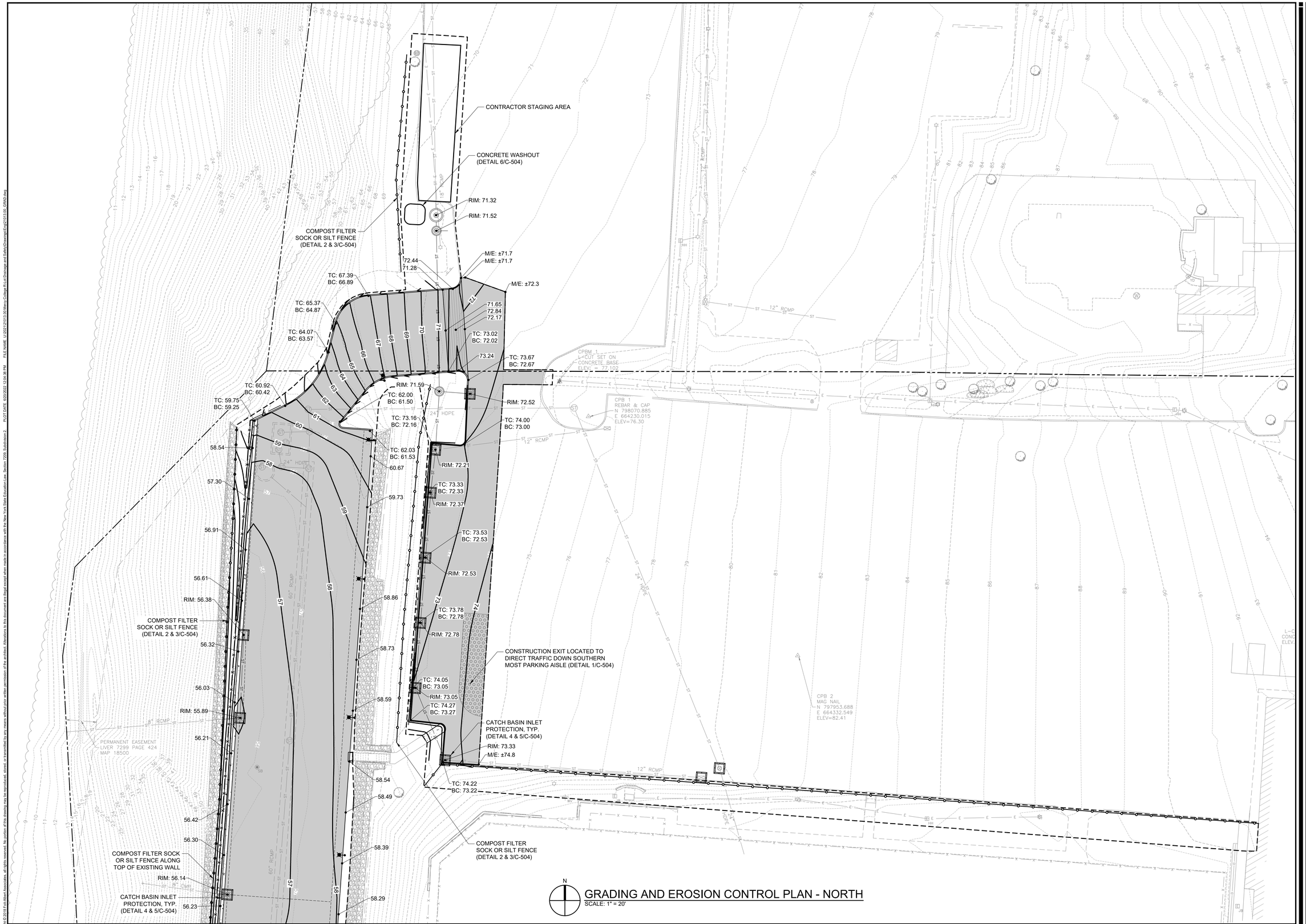
Date: 06/17/2022	Project Manager: DLP
Drawn By: TAS	Checked By: DLP

Project: 21013.00

Sheet: **C-106**

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209. Subdivision 2.

PLOT DATE 6/20/2022 11:07:18 AM FILE NAME U:\2021\21013.00 Mercy College R Lot Drainage and Safety\Drawings\Dwg\21013.00_SITE.dwg



GRADING AND EROSION CONTROL PLAN - NORTH
SCALE: 1" = 20'

MATCHLINE: SEE SHEET C-108

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2. PLOT DATE 6/20/2022 12:04:38 PM FILE NAME U:\2013\21013.00 Mercy College PL Lot Drainage and Safety\Drawings\Dwg\21013.00_GRAD.dwg

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

GRADING AND EROSION CONTROL PLAN - NORTH

MERCY COLLEGE PARKING LOT R IMPROVEMENTS

555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
GERARD J. SCOTT
No. 062576-1
LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

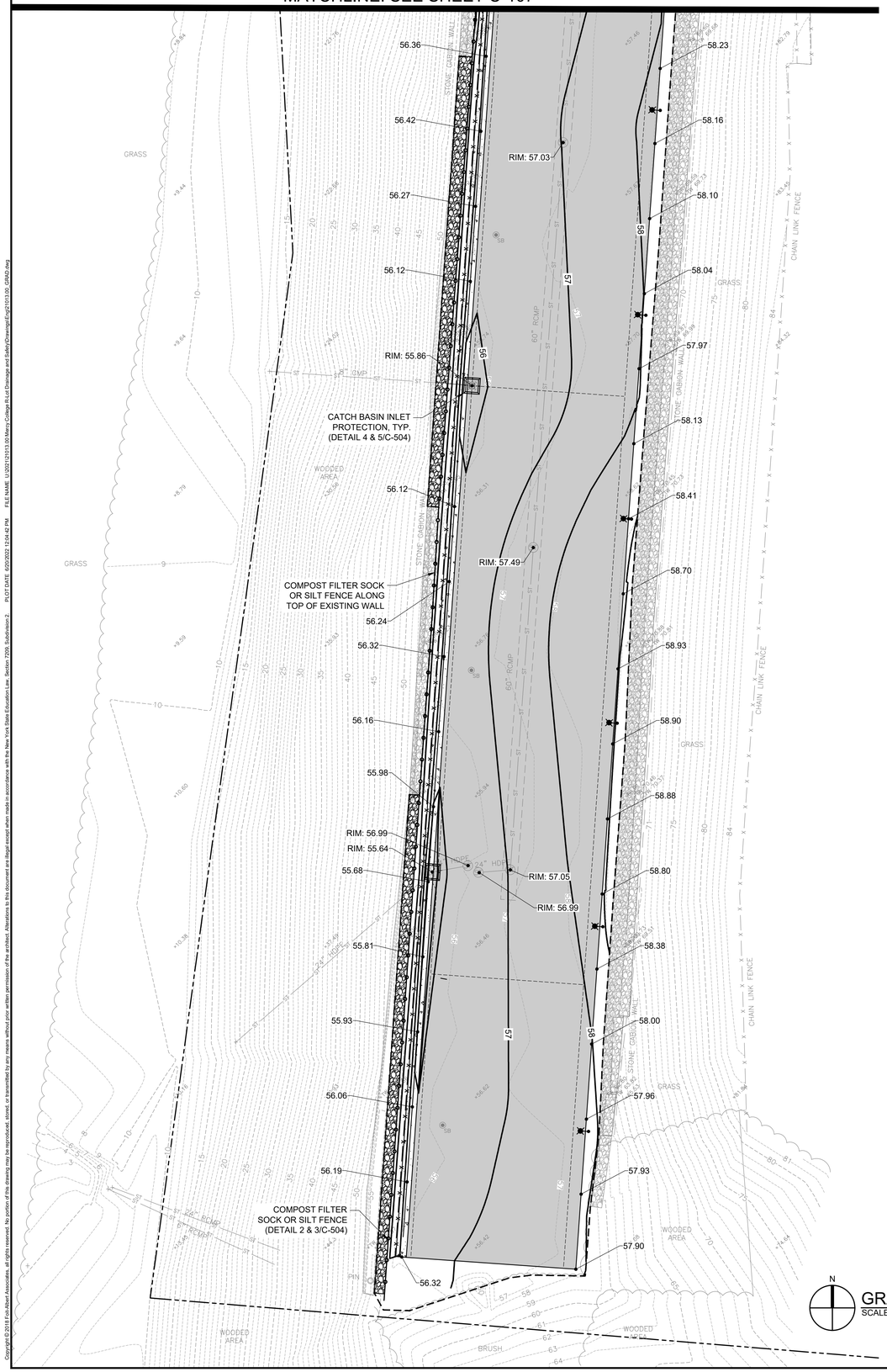
Scale: 1" = 20'

Date: 06/17/2022	Project Manager: DLP
Drawn By: TAS	Checked By: DLP

Project: 21013.00

Sheet: C-107

MATCHLINE: SEE SHEET C-107



N

GRADING AND EROSION CONTROL PLAN - SOUTH
SCALE: 1" = 20'

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

PLOT DATE 6/20/2022 12:04:42 PM FILE NAME U:\2013\21013.00 Mercy College PL Lot Drainage and Safety\Drawings\Dwg\21013.00_GRAD.dwg

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

GRADING AND EROSION CONTROL PLAN - SOUTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
GERARD J. KLEINTZ
No. 062576
LICENSED PROFESSIONAL ENGINEER

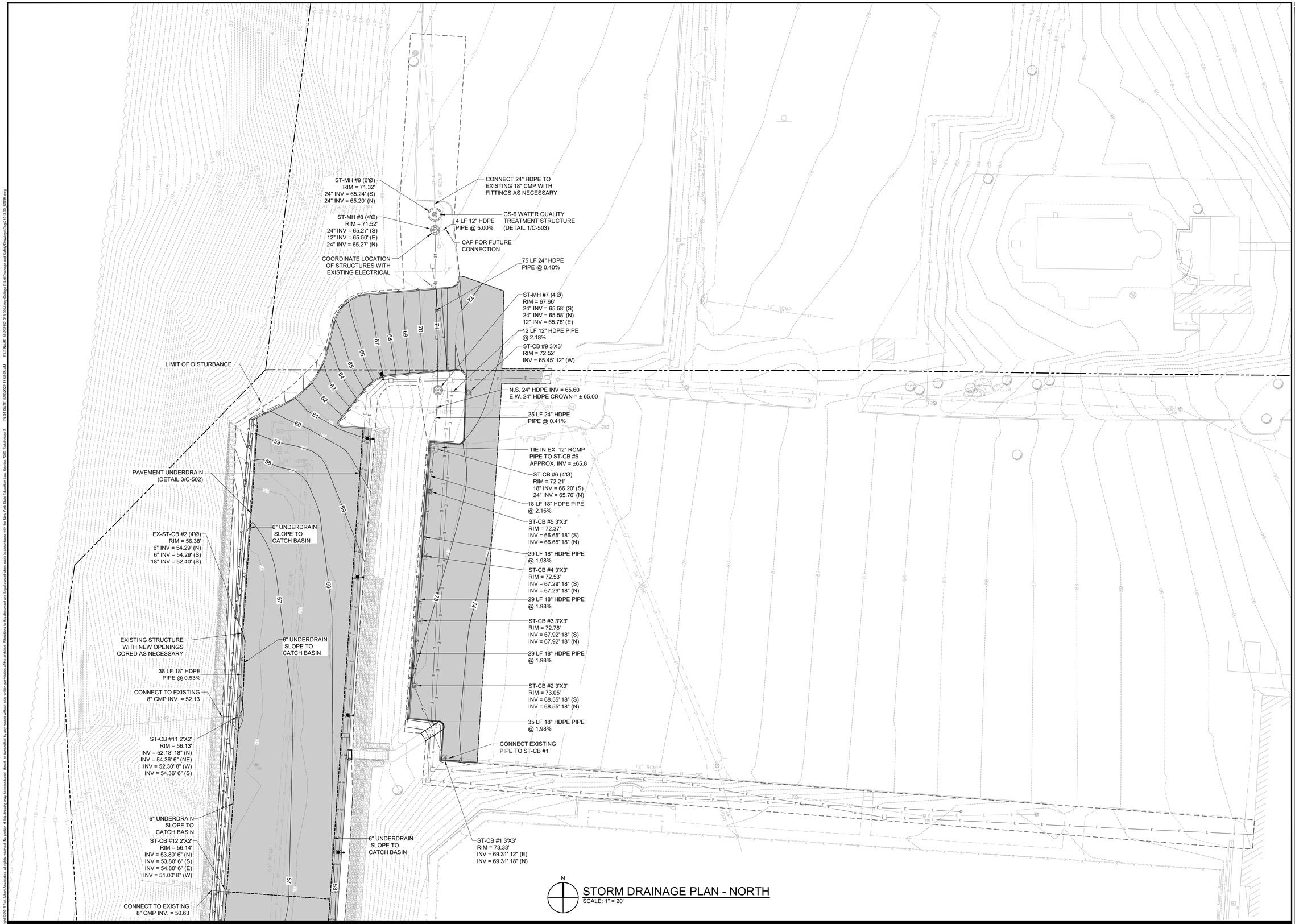
Revision Number	Revision Date

Scale: 1" = 20'

Date: 06/17/2022	Project Manager: DLP
Drawn By: TAS	Checked By: DLP

Project: 21013.00

Sheet: **C-108**



MATCHLINE: SEE SHEET C-110

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

STORM DRAINAGE PLAN - NORTH

MERCY COLLEGE PARKING LOT R IMPROVEMENTS

555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal: STATE OF NEW YORK · GERARD J. [illegible] · No. 062576-1 · LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: 1" = 20'

Date: 08/17/2022	Project Manager: DLP
Drawn By: TAS	Checked By: DLP

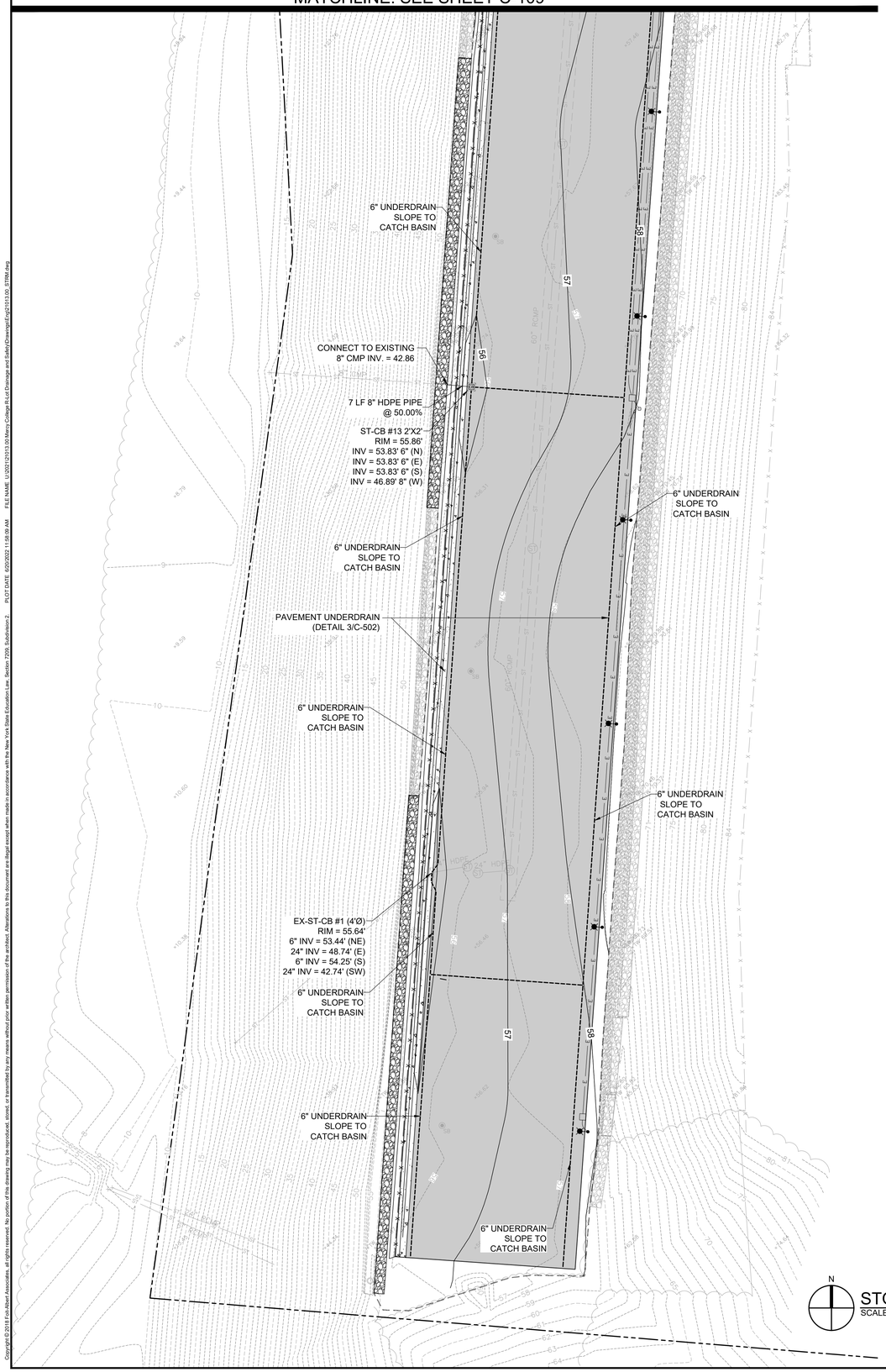
Project: 21013.00

Sheet: C-109

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209. Subdivision 2.

PLOT DATE 8/23/2022 11:08:08 AM FILE NAME U:\2021\21013.00 Marcy College PL Lot Drainage and Safety\Drawings\Dwg\21013.00_STRM.dwg

MATCHLINE: SEE SHEET C-109



N

STORM DRAINAGE PLAN - SOUTH

SCALE: 1" = 20'

Copyright © 2016 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2. PLOT DATE 6/20/2022 11:08:09 AM FILE NAME U:\2013\21013.00 Mercy College PL Lot Drainage and Safety\Drawings\Dwg\21013.00_STRM.dwg

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

STORM DRAINAGE PLAN - SOUTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
GERARD J. SCHUTZ
NO. 062578
LICENSED PROFESSIONAL ENGINEER

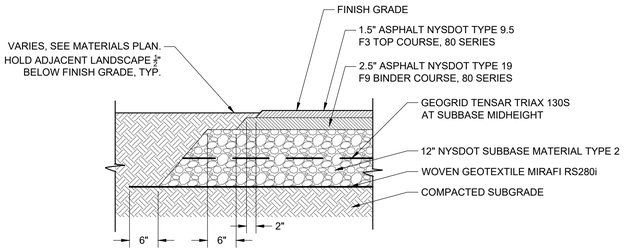
Revision Number	Revision Date

Scale: 1" = 20'

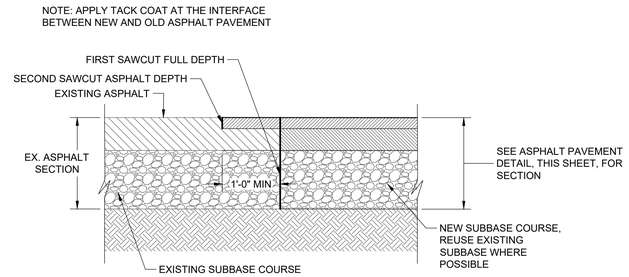
Date: 06/17/2022	Project Manager: DLP
Drawn By: TAS	Checked By: DLP

Project: 21013.00

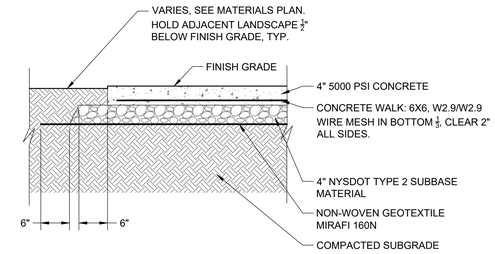
Sheet: **C-110**



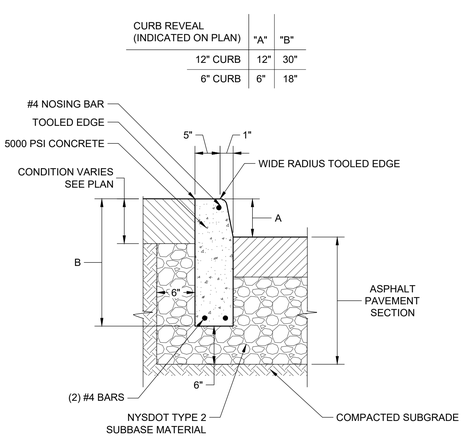
1 C-501 ASHPALT PAVEMENT DETAIL
NOT TO SCALE



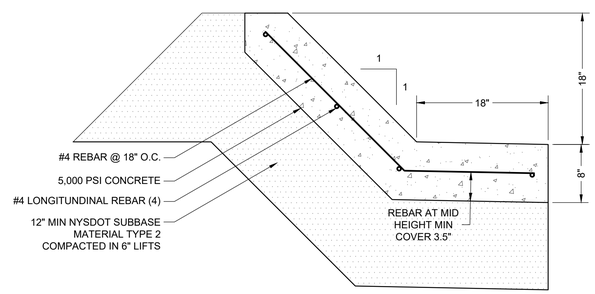
2 C-501 ASPHALT PAVEMENT INTERFACE WITH EXISTING DETAIL
NOT TO SCALE



3 C-501 CONCRETE WALK DETAIL
NOT TO SCALE



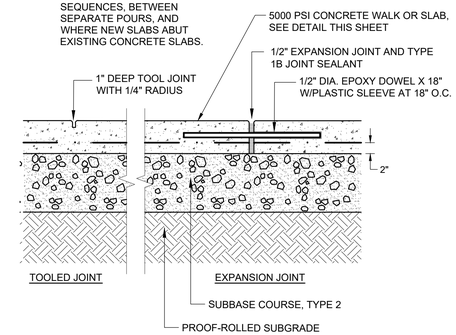
4 C-501 CONCRETE CURB DETAIL
NOT TO SCALE



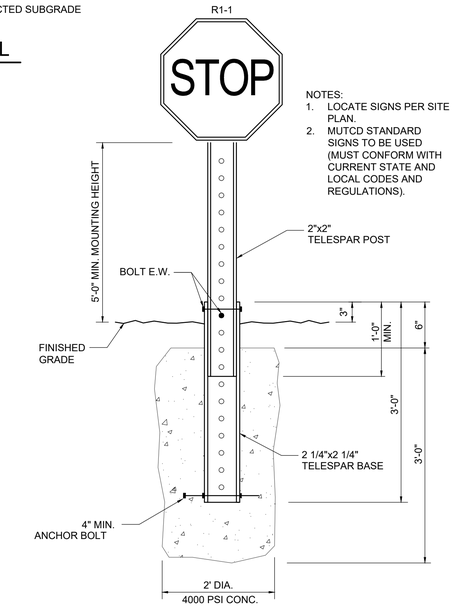
5 C-501 CONCRETE GUTTER DETAIL
NOT TO SCALE

NOTE:

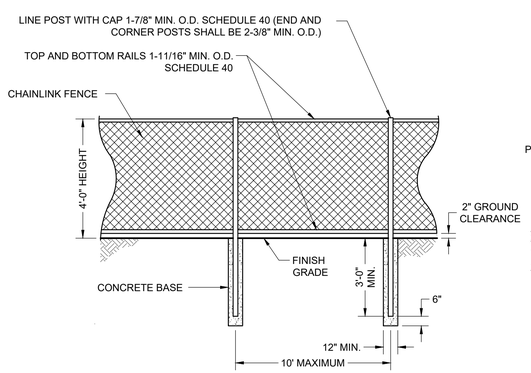
1. CONTROL JOINTS TO BE SPACED EVERY 5'.
2. EXPANSION JOINTS TO BE LOCATED BETWEEN PHASED CONSTRUCTION SEQUENCES, BETWEEN SEPARATE POURS, AND WHERE NEW SLABS ABUT EXISTING CONCRETE SLABS.



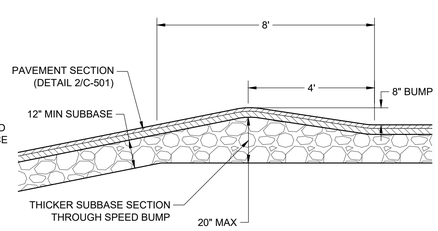
6 C-501 CONCRETE JOINT DETAIL
NOT TO SCALE



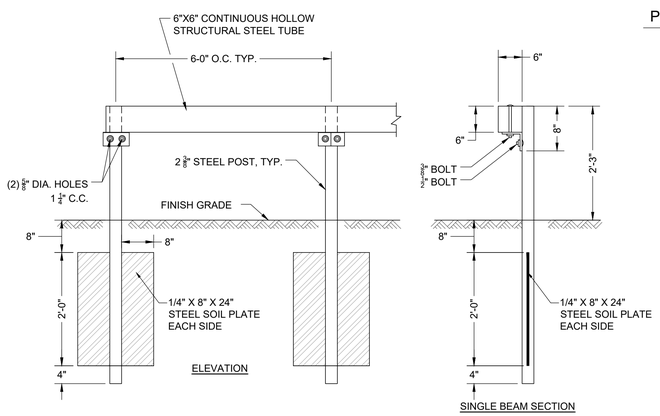
7 C-501 SIGNAGE DETAIL
NOT TO SCALE



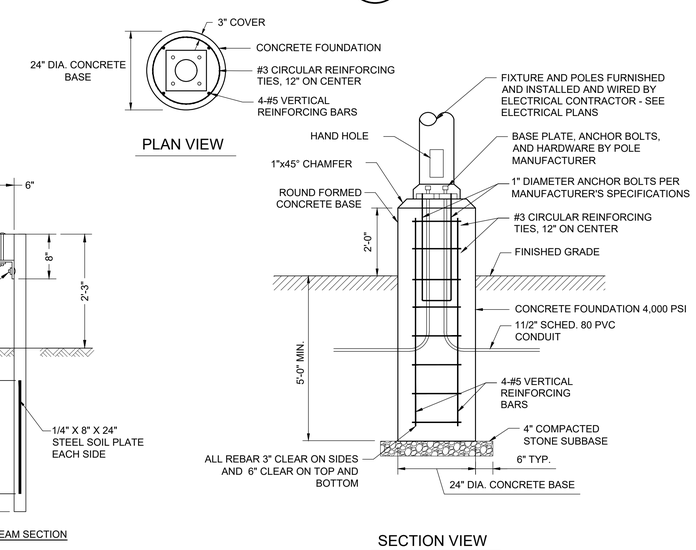
8 C-501 CHAINLNK FENCE DETAIL
NOT TO SCALE



9 C-501 ASPHALT SPEED BUMP DETAIL
NOT TO SCALE



10 C-501 BOXBEAM GUIDERAIL DETAIL
NOT TO SCALE



11 C-501 LIGHT POLE FOUNDATION DETAIL
NOT TO SCALE

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2. PLOT DATE 6/20/2022 11:28:27 AM FILE NAME U:\2021\21013.00\Mercy College\Drawings\Drawings\21013.00_DETL.dwg

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

DETAILS (1 OF 4)

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

Revision Number	Revision Date

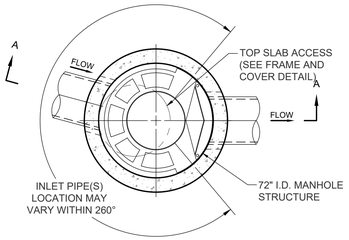
Scale: NTS

Date: 06/17/2022 | Project Manager: DLP

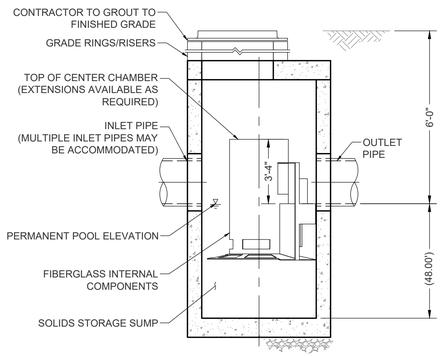
Drawn By: TAS | Checked By: DLP

Project: 21013.00

Sheet: C-501

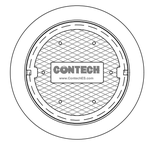


PLAN VIEW B-B
NOT TO SCALE



ELEVATION A-A
NOT TO SCALE

CASCADE SEPARATOR DESIGN NOTES
THE STANDARD CS-6 CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.
CONFIGURATION DESCRIPTION
CURB INLET WITH INLET PIPE OR PIPES



FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

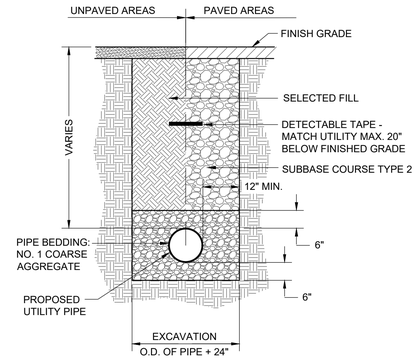
SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID			ST-MH #9
WATER QUALITY FLOW RATE (cfs)			3.0
PEAK FLOW RATE (cfs)			11.35
RETURN PERIOD OF PEAK FLOW (yrs)			10-YR
RIM ELEVATION			71.52
PIPE DATA:	INVERT	MATERIAL	DIAMETER
INLET PIPE 1	65.24	HDPE	24"
OUTLET PIPE	65.20	HDPE	24"
NOTES / SPECIAL REQUIREMENTS:			

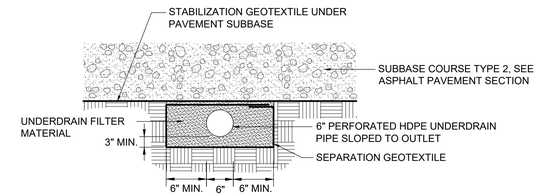
GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' [610], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
5. CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.

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

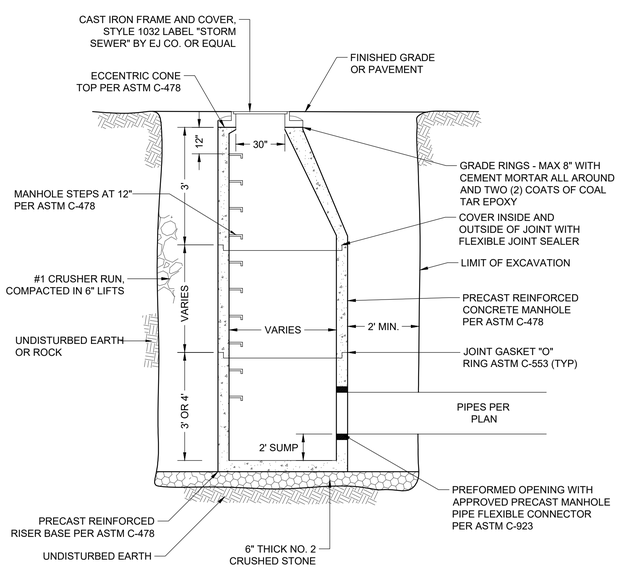
1 / C-503 STORM WATER TREATMENT UNIT DETAIL
NOT TO SCALE



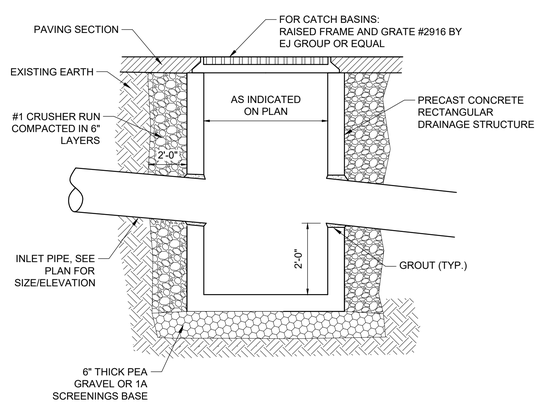
2 / C-502 DRAINAGE PIPE DETAIL
NOT TO SCALE



3 / C-502 PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE



4 / C-502 STORM MANHOLE DETAIL
NOT TO SCALE



5 / C-502 STORM CATCH BASIN DETAIL
NOT TO SCALE

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209. Subdivision 2. PLOT DATE 6/20/2022 11:08:29 AM FILE NAME U:\2021\21013.00 Mercy College PL Lot Drainage and Safety\Drawings\Dwg\21013.00_DETL.dwg

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

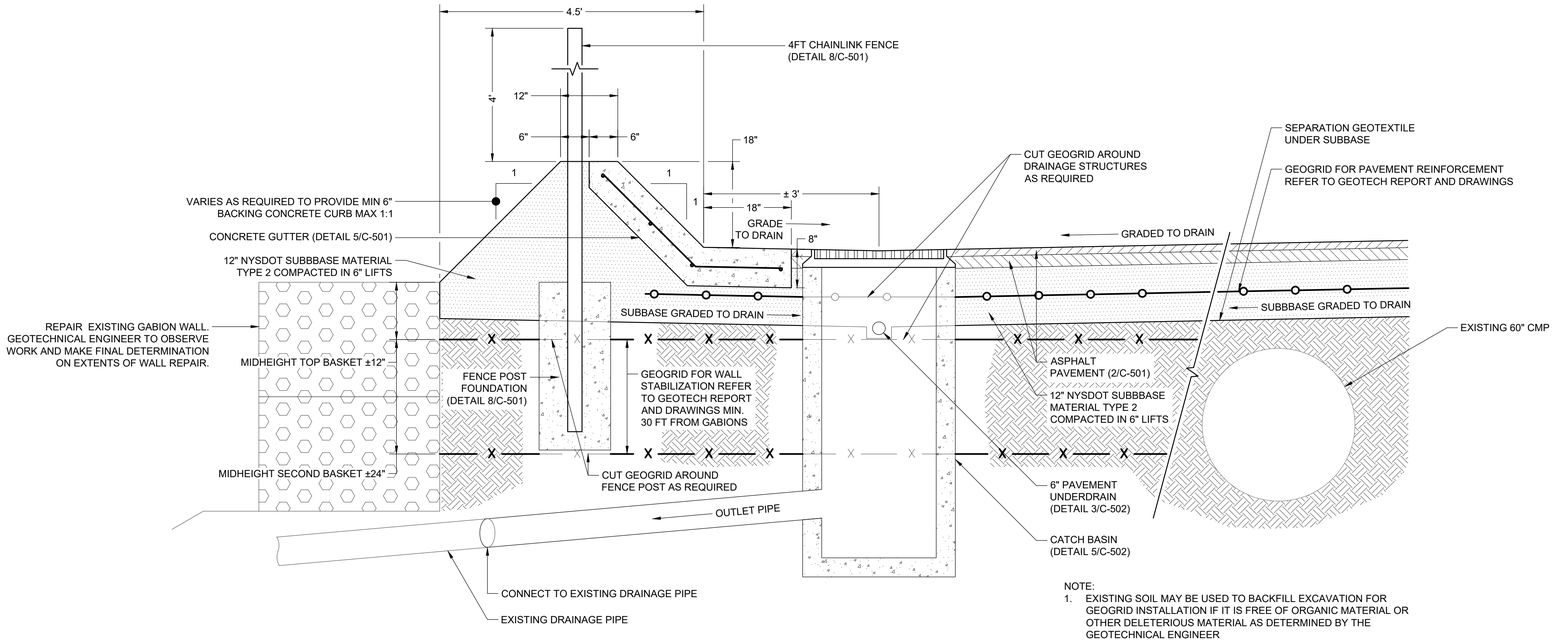
DETAILS (2 OF 4)

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:
STATE OF NEW YORK · GERARD J. SCOTT · No. 062576 · LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

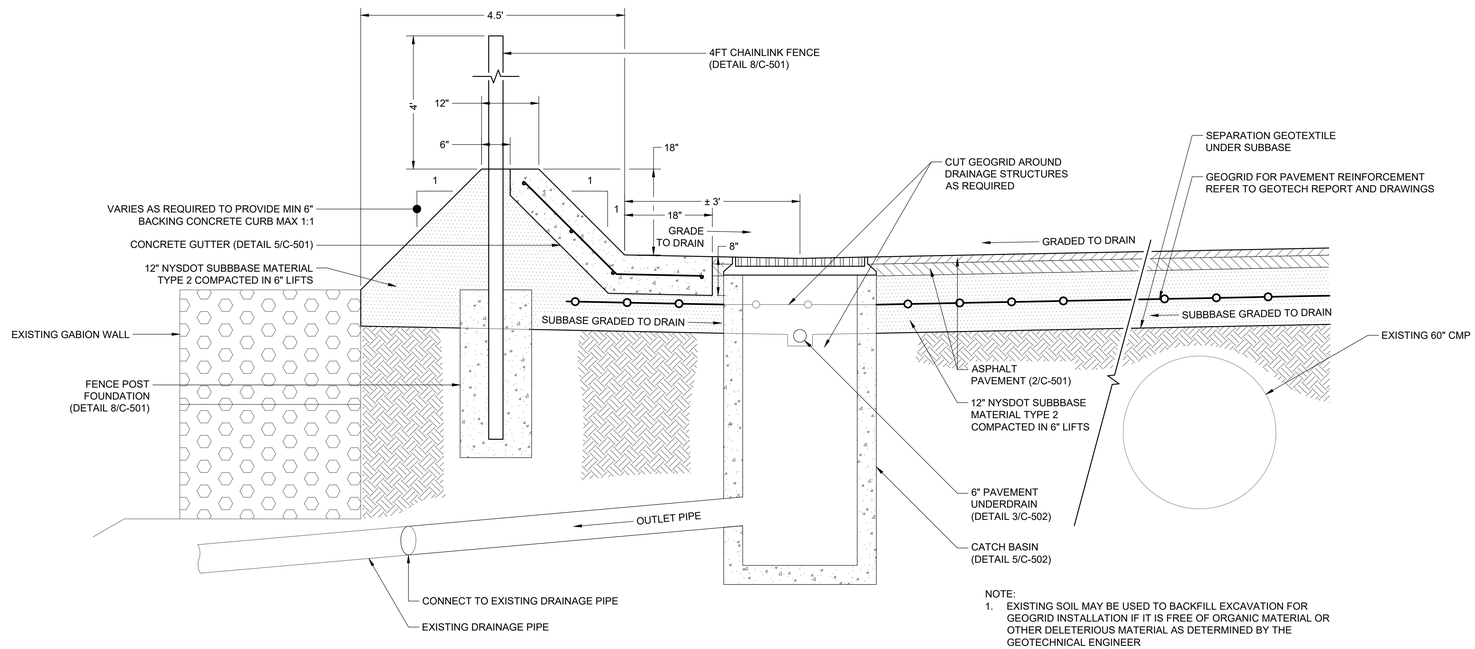
Scale: NTS
Date: 06/17/2022
Project Manager: DLP
Drawn By: TAS
Checked By: DLP
Project: 21013.00
Sheet: **C-502**



NOTE:
1. EXISTING SOIL MAY BE USED TO BACKFILL EXCAVATION FOR GEOGRID INSTALLATION IF IT IS FREE OF ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIAL AS DETERMINED BY THE GEOTECHNICAL ENGINEER

1 / C-503 TYPICAL PARKING LOT SECTION (WALL REPAIRS)

NOT TO SCALE



NOTE:
1. EXISTING SOIL MAY BE USED TO BACKFILL EXCAVATION FOR GEOGRID INSTALLATION IF IT IS FREE OF ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIAL AS DETERMINED BY THE GEOTECHNICAL ENGINEER

2 / C-503 TYPICAL PARKING LOT SECTION (WITHOUT WALL REPAIRS)

NOT TO SCALE

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

DETAILS (3 OF 4)

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

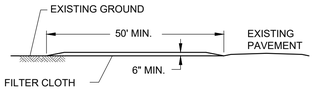
Seal:

Revision Number	Revision Date

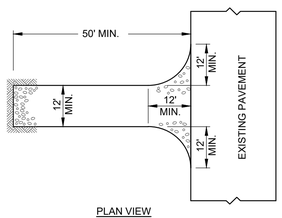
Scale: NTS
Date: 06/17/2022
Project Manager: DLP
Drawn By: TAS
Checked By: DLP
Project: 21013.00
Sheet: **C-503**

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

PLOT DATE 6/20/2022 11:08:38 AM FILE NAME U:\2021\21013.00 Mercy College R Lot Drainage and Safety\Drawings\Dwg\21013.00_DETL.dwg



PROFILE VIEW



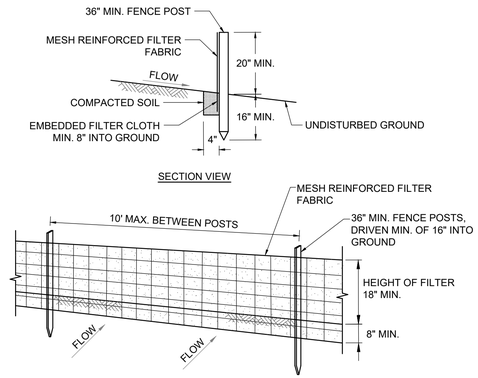
PLAN VIEW

NOTES:

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THICKNESS - NOT LESS THAN SIX INCHES.
4. WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24 FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES MUST BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT MUST BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN.
10. DIMENSIONS OF CONSTRUCTION ENTRANCE SHOWN ON EROSION AND SEDIMENT CONTROL PLAN MAY DIFFER FROM MINIMUM DIMENSIONS SHOWN HERE. LAYOUT AND DIMENSIONS OF ENTRANCE ON EROSION AND SEDIMENT CONTROL PLAN TAKE PRECEDENCE.

1 / C-504 CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

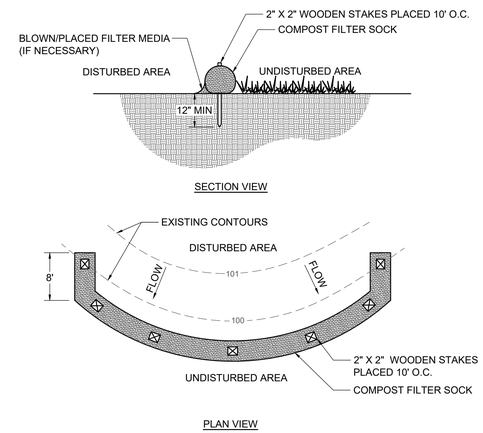


NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS ARE TO BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE IS TO BE WOVEN WIRE, 14 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY MUST BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH IS TO BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS ARE TO BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE MUST BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

2 / C-504 SILT FENCE DETAIL

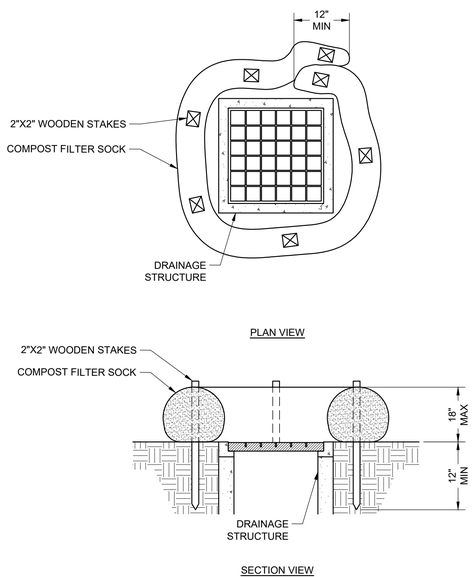
NOT TO SCALE



NOTES:
1. WHEN PLACED IN PAVEMENT AREAS, USE CONCRETE BLOCKS OR SANDBAGS AS NEEDED ON THE DOWNSTREAM SIDE OF FILTER SOCKS AND IN PLACE OF WOODEN STAKES TO HOLD FILTER SOCKS IN PLACE.

3 / C-504 COMPOST FILTER SOCK DETAIL

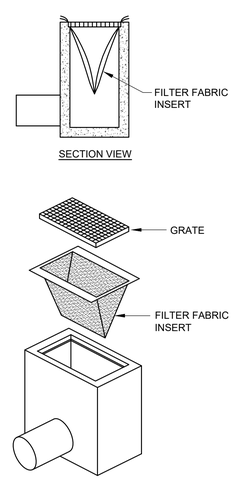
NOT TO SCALE



NOTES:
1. WHEN PLACED IN PAVEMENT AREAS, USE CONCRETE BLOCKS OR SANDBAGS AS NEEDED ON THE DOWNSTREAM SIDE OF FILTER SOCKS AND IN PLACE OF WOODEN STAKES TO HOLD FILTER SOCKS IN PLACE.

4 / C-504 COMPOST FILTER SOCK INLET PROTECTION DETAIL

NOT TO SCALE

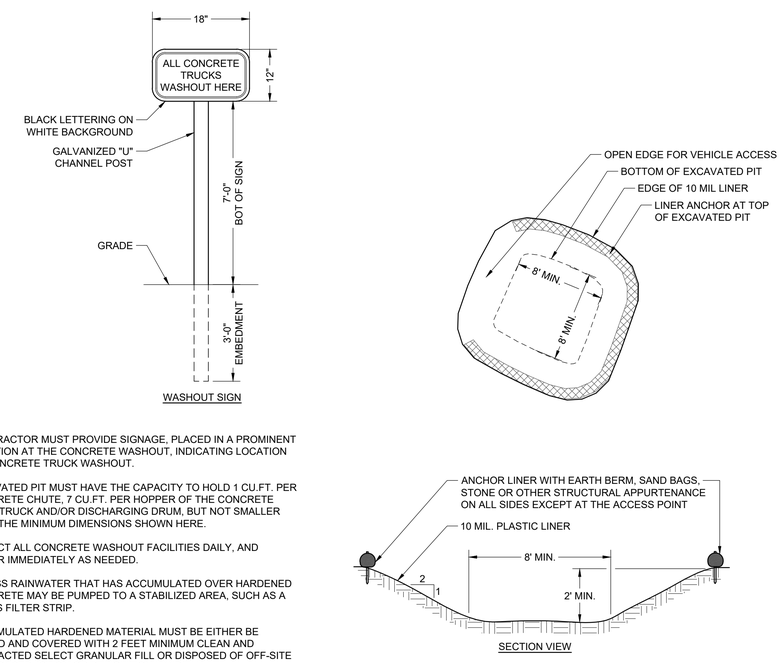


NOTES:

1. INSPECT ON A WEEKLY BASIS AND REMOVE SILT AS NECESSARY.

5 / C-504 FILTER FABRIC INLET PROTECTION DETAIL

NOT TO SCALE



NOTES:

1. CONTRACTOR MUST PROVIDE SIGNAGE, PLACED IN A PROMINENT LOCATION AT THE CONCRETE WASHOUT, INDICATING LOCATION OF CONCRETE TRUCK WASHOUT.
2. EXCAVATED PIT MUST HAVE THE CAPACITY TO HOLD 1 CU.FT. PER CONCRETE CHUTE, 7 CU.FT. PER HOPPER OF THE CONCRETE PUMP TRUCK AND/OR DISCHARGING DRUM, BUT NOT SMALLER THAN THE MINIMUM DIMENSIONS SHOWN HERE.
3. INSPECT ALL CONCRETE WASHOUT FACILITIES DAILY, AND REPAIR IMMEDIATELY AS NEEDED.
4. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE MAY BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
5. ACCUMULATED HARDENED MATERIAL MUST BE EITHER BE BURIED AND COVERED WITH 2 FEET MINIMUM CLEAN AND COMPACTED SELECT GRANULAR FILL OR DISPOSED OF OFF-SITE IN A CONSTRUCTION OR DEMOLITION LANDFILL.

6 / C-504 CONCRETE WASHOUT BASIN DETAIL

NOT TO SCALE

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200 Buffalo, NY 14203
P. (716) 856-3933 www.foit-albert.com

DETAILS (4 OF 4)

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal: STATE OF NEW YORK · GERARD J. SCOTT · No. 062576 · LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: NTS
Date: 06/17/2022
Project Manager: DLP
Drawn By: TAS
Checked By: DLP
Project: 21013.00
Sheet: C-504

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209. Subdivision 2. PLOT DATE 6/20/2022 11:08:33 AM FILE NAME U:\2021\21013.00 Mercy College R Lot Drainage and Safety\Drawings\21013.00_DETL.dwg

GENERAL NOTES

1. CONTRACTORS ARE URGED TO INSPECT THE SITE BEFORE SUBMITTING A BID PROPOSAL TO ENSURE KNOWLEDGE OF PROJECT REQUIREMENTS AND SITE CONDITIONS. IF NO CLARIFICATION IS REQUESTED, IT WILL BE CONSIDERED THAT THE CONTRACTORS ARE IN FULL UNDERSTANDING OF PROJECT REQUIREMENTS.

2. PROVIDE LABOR, SUPERVISION, EQUIPMENT, MATERIALS, CONSTRUCTION TOOLS, TRANSPORTATION, INSURANCE, AND SERVICES REQUIRED FOR THE COMPLETE INSTALLATION OF THIS WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AUTHORITIES HAVING JURISDICTION, AND STANDARDS INCLUDING BUT NOT LIMITED TO, ASHRAE, IBC, NEC, AND NFPA.

3. NOTHING CONTAINED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS SHALL BE CONSTRUED TO BE IN CONFLICT WITH ANY STATE OR LOCAL CODES, ORDINANCES OR REGULATIONS.

4. THE USE OF THE WORD "PROVIDE" SHALL MEAN TO FURNISH, INSTALL AND CONNECT, READY TO USE.

5. THE USE OF THE WORD "FURNISH" SHALL MEAN TO PROCURE AND DELIVER TO THE SITE.

6. THE USE OF THE WORD "INSTALL" SHALL MEAN TO PHYSICALLY PLACE INTO SERVICE AND CONNECT, READY TO USE.

7. EQUIPMENT AND MATERIALS SHALL BE INSTALLED BY SKILLED TRADESMEN, FAMILIAR WITH THE COMPONENTS TO BE INSTALLED, AND IN ACCORDANCE WITH BEST PRACTICES OF THE INDUSTRY.

8. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. THIS CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL; STRUCTURAL; HEATING, VENTILATING AND AIR-CONDITIONING; ELECTRICAL; PLUMBING; AND OTHER PROJECT DOCUMENTS AS MAY BE NECESSARY FOR PROPER ORIENTATION OR INSTALLATION AND SHALL PROVIDE OFFSETS, FITTINGS, AND ACCESSORIES TO MEET PROJECT CONDITIONS.

9. DISCREPANCIES BETWEEN DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO PROFESSIONAL IN WRITING. OBTAIN WRITTEN INSTRUCTIONS FROM PROFESSIONAL AS TO THE MANNER IN WHICH TO PROCEED. NO DEPARTURES FROM THE PROJECT DOCUMENTS SHALL BE MADE WITHOUT PRIOR WRITTEN ACCEPTANCE OF THE PROFESSIONAL.

10. DIMENSIONS, CLEARANCES, AND LOCATIONS OF EQUIPMENT AND MATERIALS SHALL BE FIELD VERIFIED PRIOR TO ORDERING, PROCURING AND FURNISHING SAME.

11. NO EXTRA COMPENSATION OR CHARGES WILL BE ACCEPTED DUE TO DIFFERENCES BETWEEN THE ACTUAL MEASUREMENTS AND THOSE INDICATED ON THE PLAN. THOROUGHLY COORDINATE WORK WITH SITE CONDITIONS AND OTHER TRADES, DETERMINE EXACT ROUTE AND LOCATION OF EACH DUCT, PIPE, CONDUIT, ETC. BEFORE FABRICATION AND INSTALLATION.

12. INSTALL WORK SUBSTANTIALLY AS INDICATED. VERIFY LOCATIONS AND ELEVATIONS ON JOB SITE; DO NOT DIRECTLY SCALE DRAWINGS. MAKE NECESSARY CHANGES IN ELEVATION, FITTINGS, OR OFFSETS TO ACCOMMODATE OBSTACLES OR INTERFERENCES.

13. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO THE BUILDING, PIPING OR EQUIPMENT THAT IS THE RESULT OF WORK FOR INSTALLATION OF THIS CONTRACT.

14. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR OF ALL SURFACES TO MATCH EXISTING MATERIALS AND ADJACENT FINISHES ASSOCIATED WITH INSTALLATION/REMOVAL OF THIS WORK.

15. WORK SHALL BE COMPLETED TO MAINTAIN ALL NECESSARY AND REQUIRED CLEARANCES, ACCESSES, AND OPENINGS, SUCH THAT FULL FUNCTIONALITY, PROPER OPERATION, AND REPAIR AND MAINTENANCE ARE ENSURED.

16. WHERE DEVICE HEIGHT OCCURS AT POINT OF CHANGE OF FINISH, THE DEVICE SHALL BE RAISED OR LOWERED TO OCCUR IN ONE FINISH. ENSURE RESULTING HEIGHT DOES NOT EXCEED ADA REQUIREMENTS.

17. WHERE DEVICE OCCURS IN BRICK, TILE, OR BLOCK WALLS, THEY SHALL BE MOUNTED AT A VERTICAL MASONRY JOINT AND IN EITHER THE TOP OR BOTTOM HORIZONTAL JOINT, CLOSEST TO THE MOUNTING HEIGHT. ENSURE RESULTING HEIGHT DOES NOT EXCEED ADA REQUIREMENTS.

18. UNLESS OTHERWISE NOTED, ALL MOUNTING HEIGHT DIMENSIONS LISTED ARE TO THE CENTER LINE OF THE WALL BOX OR DEVICE.

19. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.

20. DRAWINGS REPRESENT THE SCOPE OF WORK IN GENERAL ARRANGEMENT FORM AND ARE INTENDED TO SHOW GENERAL ROUTING AND REQUIRED SIZES/CAPACITIES OF SYSTEM COMPONENTS. EXACT ROUTING OF CONDUITS AND CABLES SHALL BE DETERMINED BY JOB SITE SURVEY.

21. PROVIDE 2-#12, 1-#12 GND IN MINIMUM 3/4"C FOR ALL 20A, SINGLE POLE BRANCH CIRCUITS, UNLESS OTHERWISE NOTED. FOR 120V BRANCH CIRCUITS, PROVIDE NEXT LARGER WIRE SIZE FOR ONE-WAY CIRCUIT DISTANCES GREATER THAN 100 FEET. FOR 208V BRANCH CIRCUITS, PROVIDE NEXT LARGER WIRE SIZE FOR ONE-WAY CIRCUIT DISTANCES GREATER THAN 150 FEET.

SYMBOLS AND ABBREVIATIONS:

- EXISTING POLE LIGHT FIXTURE TO BE REMOVED
- A - TYPE A LIGHT POLE FIXTURE
- UGE - UNDERGROUND POWER CONDUCTORS IN CONDUIT
- EGC - EQUIPMENT GROUNDING CONDUCTOR
- ETR - EXISTING TO REMAIN AND BE PROTECTED
- UNDERGROUND CONDUIT

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

ELECTRICAL DEMOLITION PLAN - SOUTH

MERCY COLLEGE PARKING LOT R IMPROVEMENTS

555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
ANDREW SEAN TAYLOR
LICENSED PROFESSIONAL ENGINEER
D8 113?

Revision Number	Revision Date

Scale: NTS

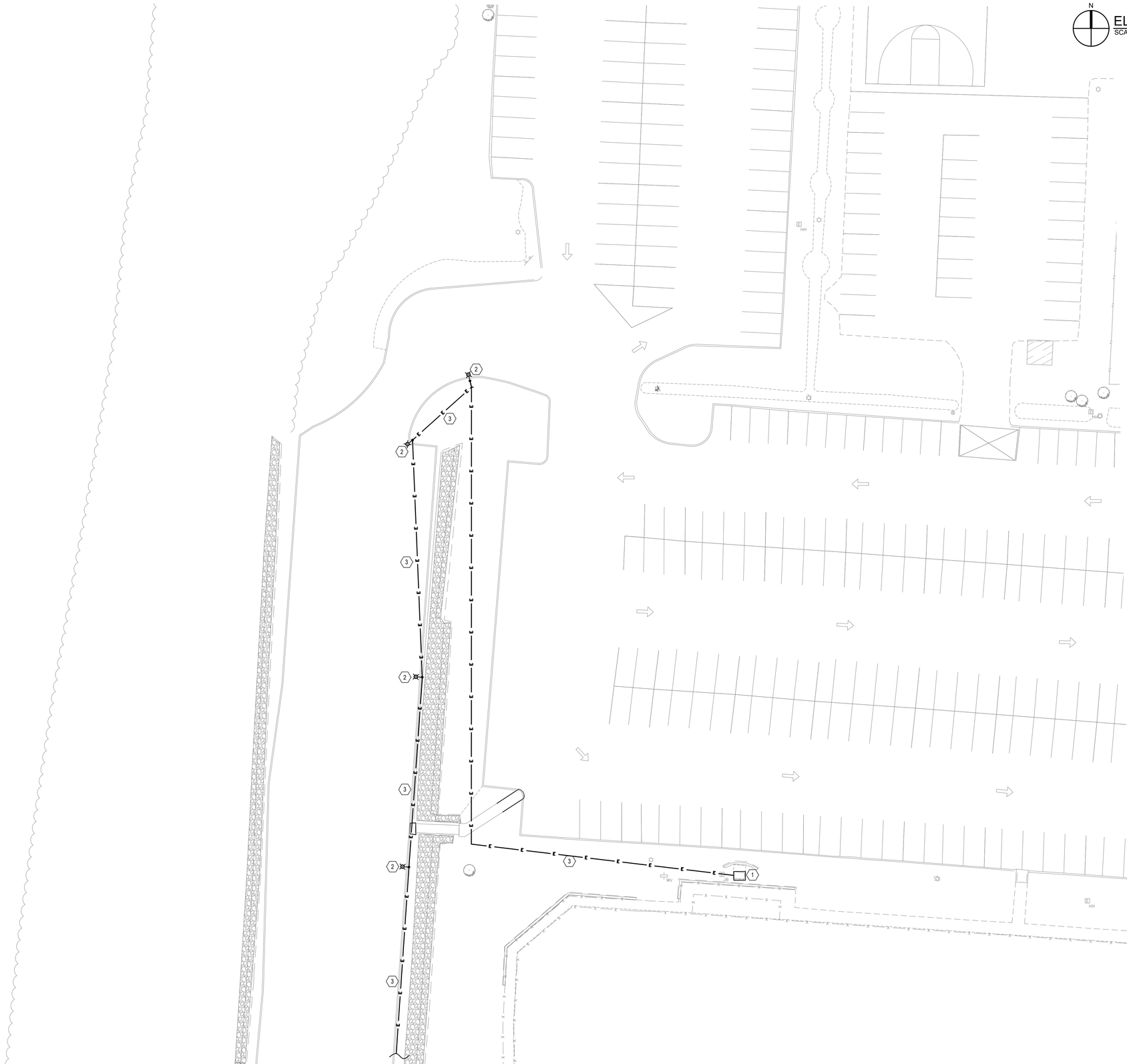
Date: 06/17/2022
Project Manager: DLP
Drawn By: JAB
Checked By: MEH

Project: 21013.00

Sheet: E-001

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209. Subdivision 2.

PLOT DATE 6/17/2022 4:27:00 PM FILE NAME U:\2021\21013.00 Mercy College Rt Lot Drainage and Safety\Drawings\Eng\21013.00 Mercy Lot R\Electrical\E-001.dwg



ELECTRICAL DEMOLITION PLAN - NORTH

SCALE: 1" = 20'

GENERAL NOTES:

A. CONTRACTOR TO VERIFY EXACT ROUTING OF UNDERGROUND POWER PRIOR TO REMOVALS.

B. REFER TO SHEET E-600 FOR PANEL SCHEDULE AND DETAILS.

C. REFER TO SHEET C-501 FOR LIGHT POLE FOUNDATION DETAIL.

KEYED DEMOLITION NOTES:

1. EXISTING ELECTRICAL CABINET CONTAINING PANEL P-1. ALL EQUIPMENT INSIDE CABINET ARE EXISTING TO REMAIN.
2. DISCONNECT AND REMOVE EXISTING SITE LIGHTS, POLES AND BASES.
3. DISCONNECT AND REMOVE ALL EXISTING UNDERGROUND CONDUIT AND WIRE BACK TO EXISTING PANEL P-1 IN ELECTRICAL CABINET SHOWN. LABEL CIRCUIT BREAKERS AS "SPARE".

MATCHLINE: SEE SHEET ED-102

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

ELECTRICAL DEMOLITION PLAN - NORTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
ANDREW SEAN TAYLOR
081137
LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: 1" = 20'

Date: 06/17/2022
Project Manager: DLP
Drawn By: JAB
Checked By: MEH

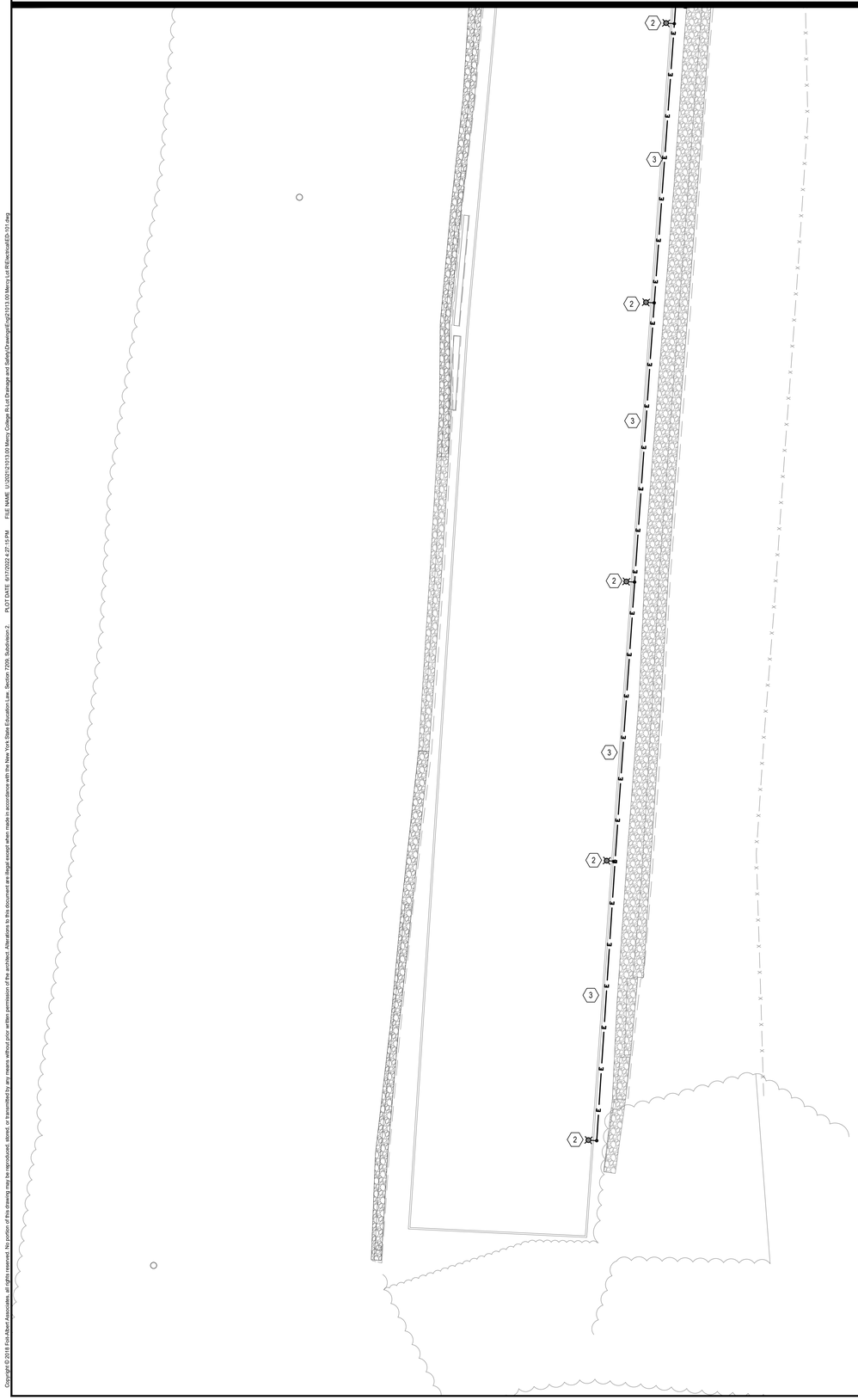
Project: 21013.00

Sheet: **ED-101**

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

PLOT DATE 6/17/2022 4:27:14 PM FILE NAME U:\2021\21013.00 Mercy College Rt Lot Drainage and Safety\Drawings\Eng\21013.00 Mercy Lot R\Electrical\ED-101.dwg

MATCHLINE: SEE SHEET ED-101



N

ELECTRICAL DEMOLITION PLAN - SOUTH

SCALE: 1" = 20'

GENERAL NOTES:

A. CONTRACTOR TO VERIFY EXACT ROUTING OF UNDERGROUND POWER PRIOR TO REMOVALS.

KEYED DEMOLITION NOTES:

1. NOT USED.
2. DISCONNECT AND REMOVE EXISTING SITE LIGHTS, POLES AND BASES.
3. DISCONNECT AND REMOVE ALL EXISTING UDERGROUD CONDUIT AND WIRE BACK TO EXISTING PANEL P-1 IN ELECTRICAL CABINET SHOWN. LABEL CIRCUIT BREAKERS AS "SPARE".

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P: (716) 856-3933
www.foit-albert.com

ELECTRICAL DEMOLITION PLAN - SOUTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
ANDREW SEAN TAYLOR
EXCELSIOR
D 8 1132
LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

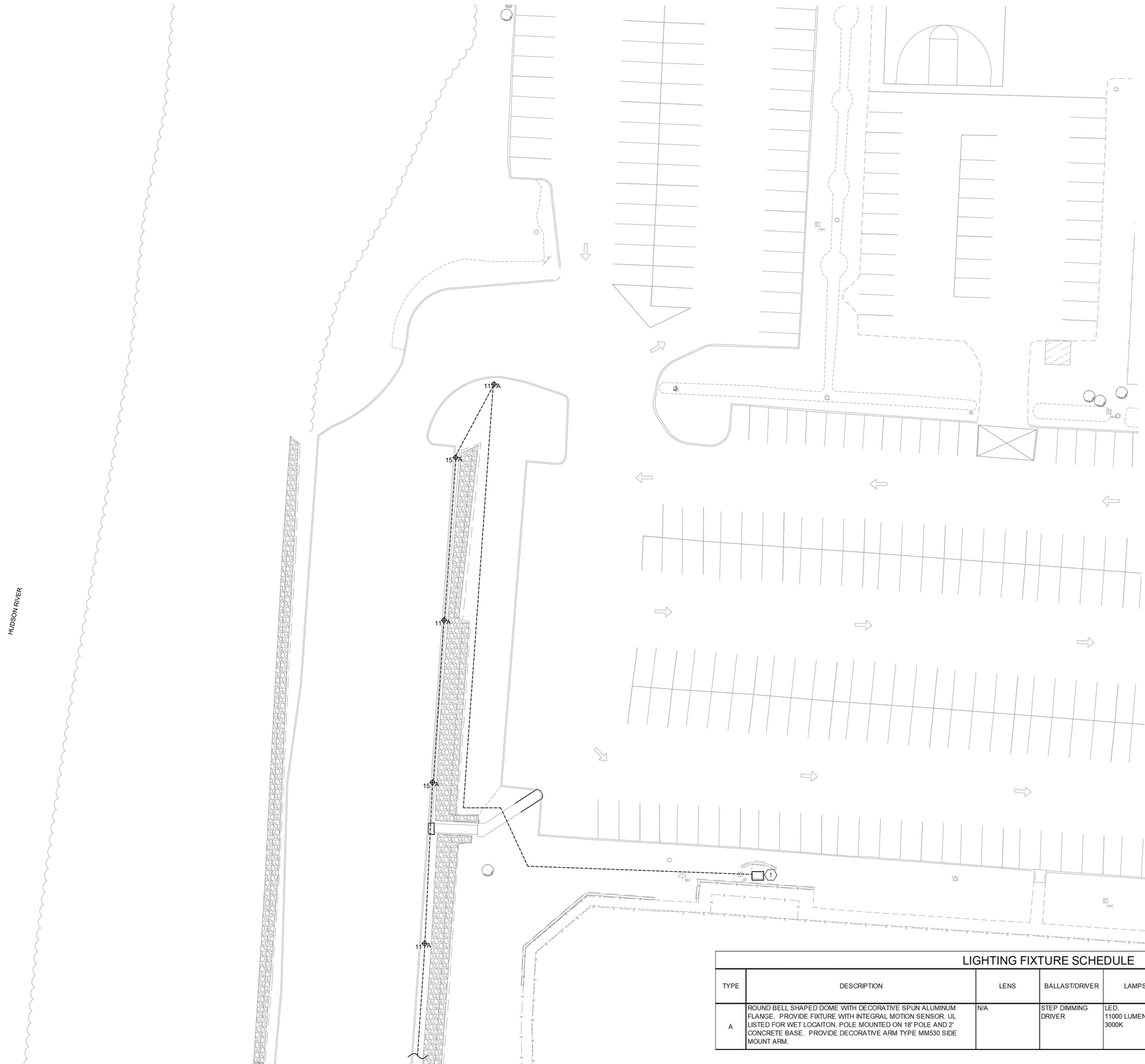
Scale: 1" = 20'

Date: 06/17/2022
Project Manager: DLP
Drawn By: JAB
Checked By: MEH

Project: 21013.00

Sheet: **ED-102**

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2. PLOT DATE 6/17/2022 4:27:18 PM FILE NAME U:\2021\21013.00 Mercy College Rt Lot Drainage and Safety\Drawings\Eng\21013.00 Mercy Lot R\Electrical\ED-101.dwg



SITE LIGHTING PLAN - NORTH

SCALE: 1" = 20'

GENERAL NOTES:

A. ALL SITE LIGHTING CIRCUITING TO BE (2) #8, 1 #10 G IN 1-1/2 CONDUIT UNLESS OTHERWISE NOTED.

B. REFER TO SHEET E-600 FOR PANEL SCHEDULE AND DETAILS.

C. REFER TO SHEET C-501 FOR LIGHT POLE FOUNDATION DETAIL.

D. REFER TO SHEET E-103 FOR LOCATIONS OF HAND HOLES. ROUTE ALL LIGHTING CIRCUITING THROUGH THESE PATHWAYS.

KEYED DRAWING NOTES:

1. EXISTING ELECTRICAL CABINET CONTAINING PANEL LP-1.
2. ROUTE POWER TO SITE LIGHTS TROUGH EXISTING LIGHTING CONTACTOR IN ELECTRICAL CABINET.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LENS	BALLAST/DRIVER	LAMPS	FIXTURE WATTAGE	VOLTAGE	FIXTURE CATALOG NUMBER
A	ROUND BELL SHAPED DOME WITH DECORATIVE SPUN ALUMINUM FLANGE. PROVIDE FIXTURE WITH INTEGRAL MOTION SENSOR. UL LISTED FOR WET LOCAITON. POLE MOUNTED ON 18' POLE AND 2' CONCRETE BASE. PROVIDE DECORATIVE ARM TYPE MM530 SIDE MOUNT ARM.	N/A	STEP DIMMING DRIVER	LED, 11000 LUMENS, 3000K	78	120V	CYCLONE LIGHTING - DOMIA SY21P1 - NL T3M P60 30K MVOLT

MATCHLINE: SEE SHEET E-102

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

SITE LIGHTING PLAN - NORTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

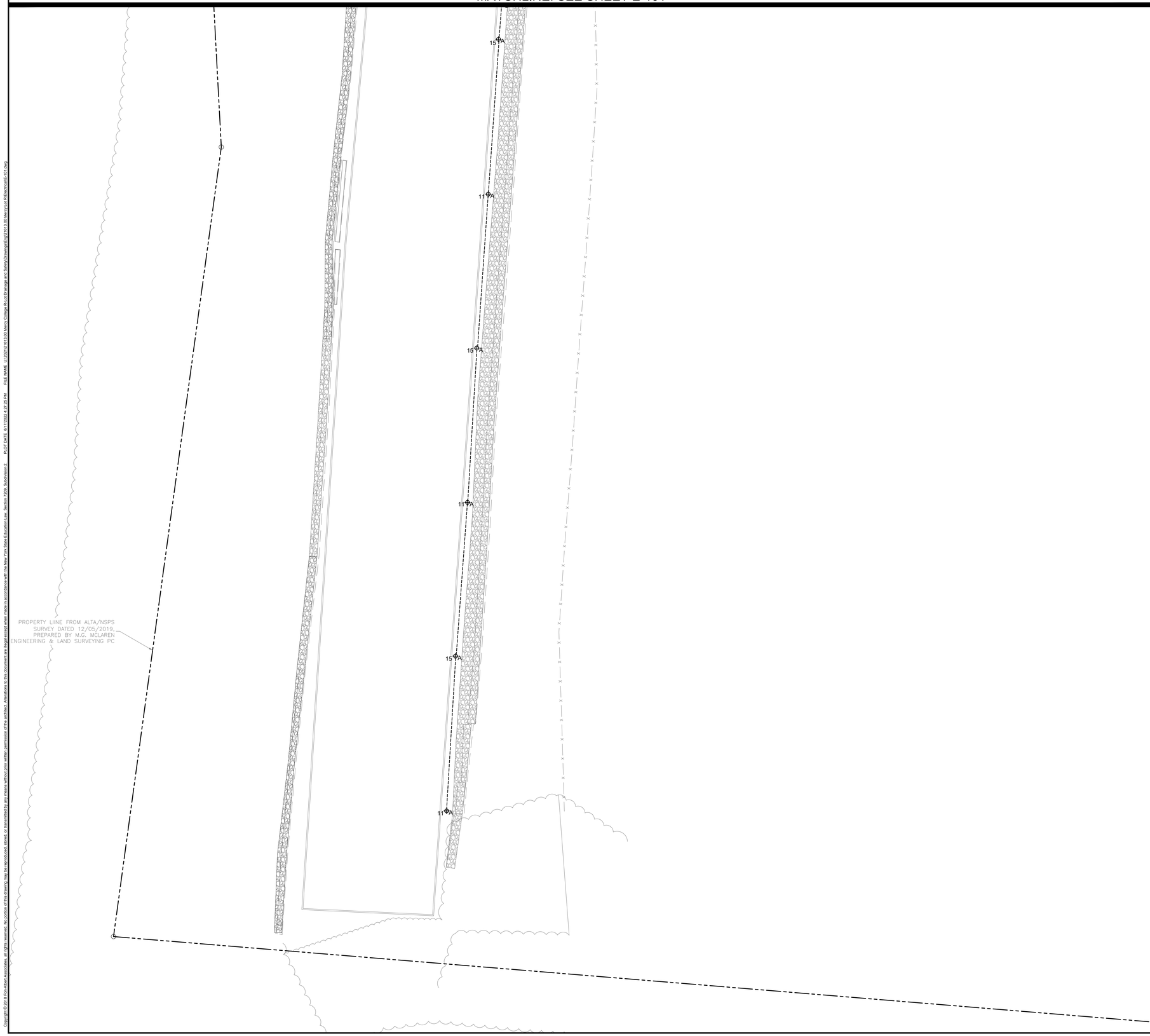
STATE OF NEW YORK
ANDREW SEAN TAYLOR
D 8 113 2
LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: 1" = 20'
Date: 06/17/2022
Project Manager: DLP
Drawn By: JAB
Checked By: MEH
Project: 21013.00
Sheet: **E-101**

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

MATCHLINE: SEE SHEET E-101



N

SITE LIGHTING PLAN - SOUTH

SCALE: 1" = 20'

GENERAL NOTES:

A. ALL SITE LIGHTING CIRCUITING TO BE (2) #8, 1 #10 G IN 1-1/2 CONDUIT UNLESS OTHERWISE NOTED. CIRCUIT TO PANEL P-1 IN ELECTRICAL ENCLOSURE ON SHEET E-101.

B. REFER TO SHEET E-600 FOR PANEL SCHEDULE AND DETAILS.

C. REFER TO SHEET C-501 FOR LIGHT POLE FOUNDATION DETAIL.

D. REFER TO SHEET E-103 FOR LOCATIONS OF HAND HOLES. ROUTE ALL LIGHTING CIRCUITING THROUGH THESE PATHWAYS.

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

ELECTRICAL PLAN - SOUTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
ANDREW SEAN TAYLOR
D 8 1132
LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: 1" = 20'

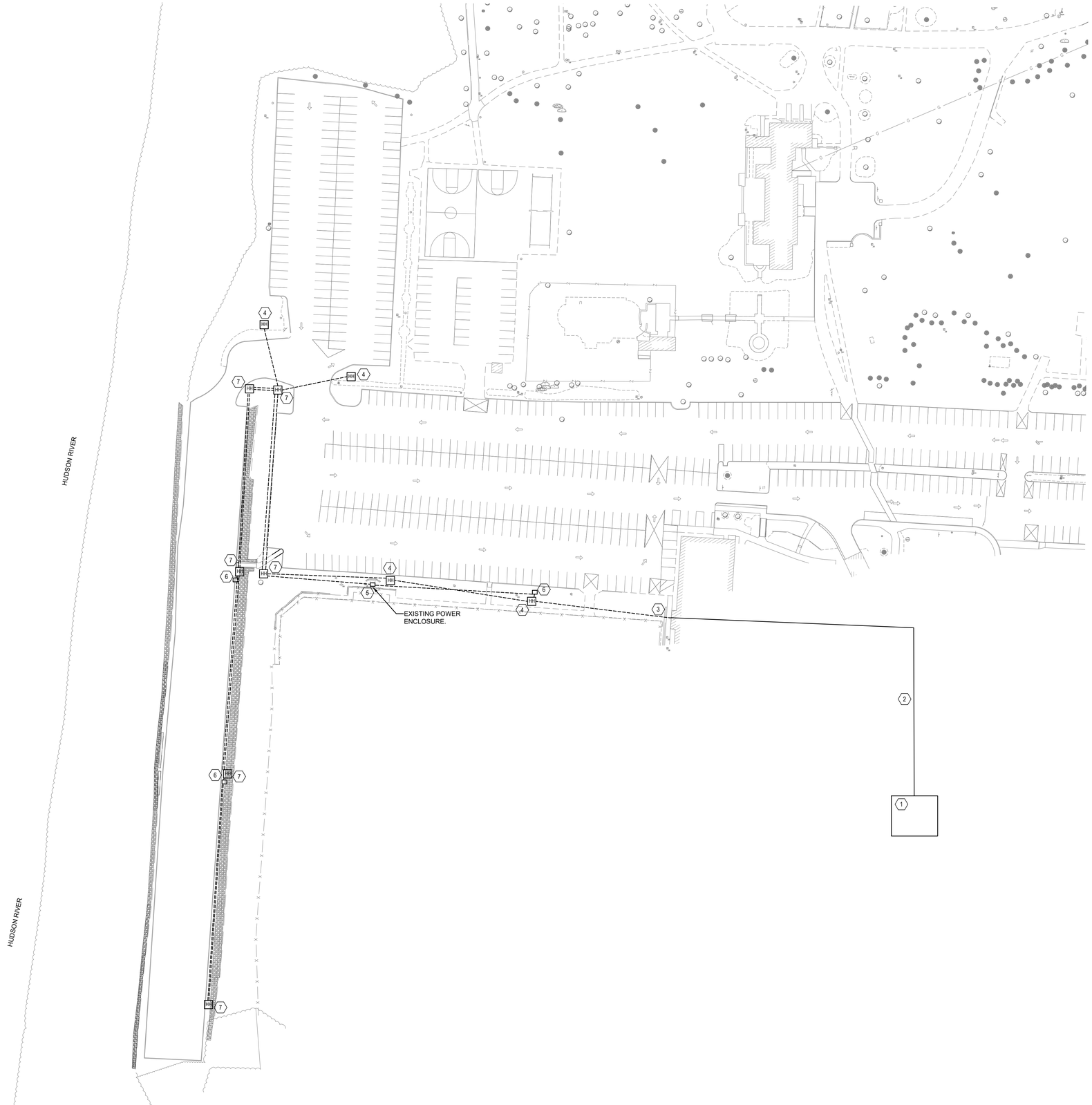
Date: 06/17/2022	Project Manager: DLP
Drawn By: JAB	Checked By: MEH

Project: 21013.00

Sheet: E-102

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

PLOT DATE 6/17/2022 4:27:25 PM FILE NAME U:\2021\21013.00 Mercy College R Lot Drainage and Safety\Drawings\Eng\21013.00 Mercy Lot R\Electrical\E-101.dwg



N

UNDERGEROUND CONDUIT PLAN

SCALE: 1" = 50'

GENERAL NOTES:

A. ALL SITE LIGHTING CIRCUITING TO BE (2) #8, 1 #10 G IN 1-1/2 CONDUIT UNLESS OTHERWISE NOTED.

B. REFER TO SHEET E-600 FOR PANEL SCHEDULE AND DETAILS.

C. PROVIDE PULLSTINGS IN ALL SPARE UNDERGROUND CONDUITS UNLESS OTHERWISE NOTED.

D. COORDINATE ALL ROUTING OF CONDUITS WITH GC. AVOID DISTURBANCE TO EXISTING GABION WALL.

KEYED DRAWING NOTES:

1. LOCATION OF MDF ROOM 120 IN MAIN HALL MDF RM 120. ROUTE ALL CONDUIT AND FIBER OPTIC CABLE THROUGH TO THIS AREA. COORDINATE ALL WORK IN THIS ROOM WITH COLLEGE IT DEPARTMENT.
2. COORDINATE ROUTING OF FIBER OPTIC CABLE THROUGH BUILDING WITH FACILITIES PRIOR TO CONSTRUCTION.
3. TRANSITION TO 2" SCHEDULE 80 PVC CONDUIT WITH PULL STRING UNDERGROUND TO HAND HOLES. REFER TO SHEET E-600 FOR UNDERGROUND CONDUIT DETAIL.
4. PROVIDE SINGLE COMPARTMENT HAND HOLES FOR FUTURE FIBER OPTIC CABLE.
5. EXISTING ELECTRICAL CABINET. CONNECT POWER TO BLUEPHONES TO 120V 20A CIRCUIT NUMBER SHOWN IN PANEL P-1. REFER TO SHEET E-600 FOR PANELBOARD SCHEDULE.
6. PROVIDE BLUEPHONE EMERGENCY TELEPHONE AT LOCATION SHOWN. PROVIDE 120V 20A CIRCUIT FROM PANEL P-1 IN POWER CABINET. PROVIDE SINGLE MODE FIBER WITH LC CONNECTORS FROM MDF ROOM. REFER TO SHEET E-601 FOR BLUEPHONE INSTALLATION DETAIL.
7. PROVIDE 2 COMPARTMENT HAND HOLES AT THESE LOCATIONS FOR POWER AND FIBER OPTIC CONDUIT ROUTING.

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

UNDERGROUND CONDUIT PLAN

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

Revision Number	Revision Date

Scale: AS NOTED

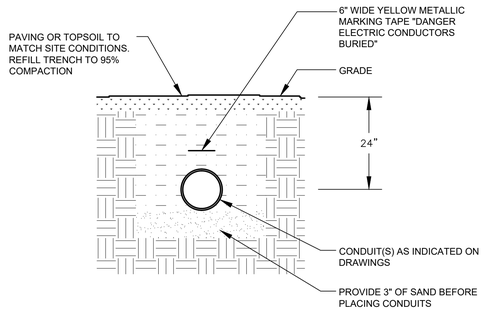
Date:	Project Manager:
06/17/2022	DLP
Drawn By: JAB	Checked By: MEH

Project: 21013.00

Sheet: **E-103**

Copyright © 2015 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209. Subdivision 2.

PLOT DATE 6/17/2022 4:27:12 PM FILE NAME U:\2021\21013.00 Mercy College Rt Lot Drainage and Safety\Drawings\Eng\21013.00 Mercy Lot R\Sections\E-103.dwg



NOTES:
1. WHERE MULTIPLE CONDUITS ARE REQUIRED PROVIDE MINIMUM SPACING OF 3" BETWEEN CONDUITS.
2. COORDINATE TRENCHING AND BACKFILL WITH ALL TRADES AND SITE CONDITIONS.

1 / E-600 CONDUIT TRENCHING DETAIL

NOT TO SCALE

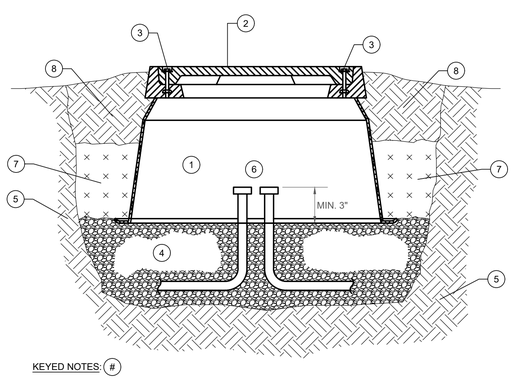
PANEL P-1 (ETR)

VOLTAGE: 120 /208	MAINS RATING: 100A	A.I.C.RATING: 10 KAIC	LOCATION: Electrical Room
PHASE: 3	M.C.B.: 100A	BKR SPACE: 24	POWER SOURCE:
WIRE: 4	M.L.O.:	MOUNTING: Surface	FEEDER CIRCUIT:

NO.	F	USE, LOCATION	CIRCUIT AMPS ϕA	ϕB	ϕC	BKR	BKR	CIRCUIT AMPS ϕA	ϕB	ϕC	USE, LOCATION	F	NO.
1		MCB (ETR)	20.0			100A	20A	0.0			space		2
3				20.0			20A		0.0		space		4
5		PANEL GFI (ETR)			5.0	20A	20A			10.0	N. PARKING LOT LGTS (ETR)		6
7		NEAR DUGOUT PLUG (ETR)	5.0			20A	20A	10.0			N. PARKING LOT LGTS (ETR)		8
9		FAR DUGOUT PLUG (ETR)		5.0		20A	20A		6.3		S/O PLUG (ETR)		10
11		**LOT E LIGHTS**			10.0	20A	20A			6.3	S/O PLUG (ETR)		12
13		CAMERAS (ETR)	6.0			20A	20A	1.0			PARKING LOT LIGHTS (ETR)		14
15		**LOT E LIGHTS**		5.0		20A	20A		8.0		ATHLETIC FIELD SIDE (ETR)		16
17		**BLUE PHONES**			5.0	20A	20A			0.0			18
19		**BLUE PHONES**	5.0			20A	20A	0.0					20
21				0.0		30A	20A		0.0				22
23					0.0	20A	20A			3.0			24

PANEL LOAD SUMMARY:	ϕA	ϕB	ϕC
TOTAL CONTINUOUS LOADS AMPERES/PHASE	58.8	55.4	49.1
TOTAL NON-CONTINUOUS LOADS AMPERES/PHASE	0.0	0.0	0.0
TOTAL CONNECTED AMPERES/PHASE	58.8	55.4	49.1
TOTAL CONNECTED KVA/PHASE	7.1	6.6	5.9
D/DF AMPERES/PHASE			
TOTAL D/DF LOAD	19.6	KVA	

NOTES:
F COLUMN - C INDICATES CONTINUOUS LOAD, TOTALS WILL BE AT 125%

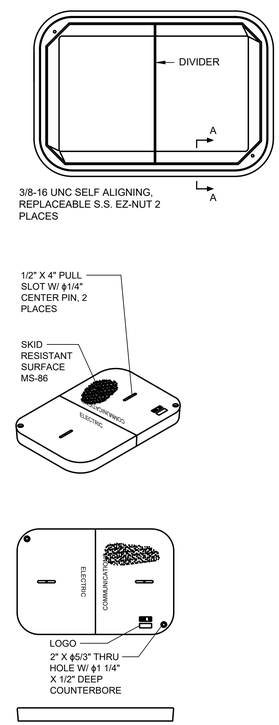


KEYED NOTES: (#)

1. HEAVY DUTY RATED, POLYMER CONCRETE AND FIBER REINFORCED POLYESTER, OPEN BOTTOM HANDHOLE, SIZE AS SPECIFIED.
2. ONE-PIECE, BOLTING COVER OF HEAVY DUTY RATING AND LABELED "SITE LIGHTING" OR "COMMUNICATIONS" AS REQUIRED.
3. STAINLESS STEEL CAPTIVE BOLTS. TYPICAL OF TWO.
4. SET HANDHOLE IN 9" OF PEA GRAVEL OVER UNDISTURBED EARTH.
5. UNDISTURBED EARTH.
6. CONDUITS PER PLANS AND/OR SCHEDULES. SEAL CONDUIT OPENING.
7. BACKFILL; COMPACTION SHALL MATCH SURROUNDING MATERIAL. BACK FILL SHALL BE FREE OF ROCKS, DEBRIS, ETC. FINISH SHALL MATCH FINAL SURROUNDING CONDITIONS, ie. TOPSOIL AND GRASS, SIDEWALK, ETC.
8. FINISH SHALL MATCH FINAL SURROUNDING CONDITIONS (PAVING, TOPSOIL, GRASS, SIDEWALK, ETC.

2 / E-600 TYPICAL HAND HOLE DETAIL

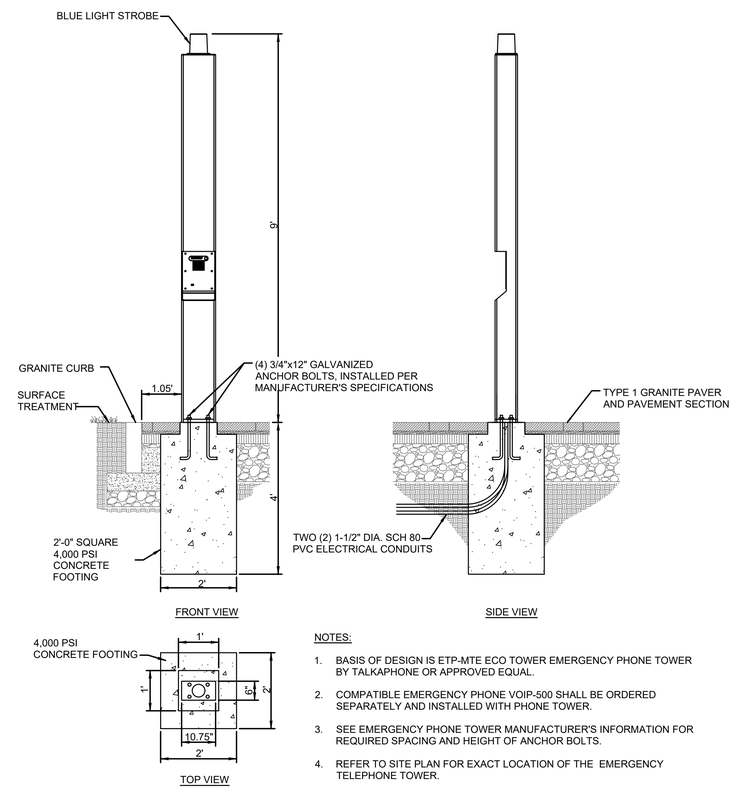
NOT TO SCALE



NOTES:
1. FURNISHED W/(2) 3/8-16 UNC X 4 LONG S.S. HEX HEAD BOLTS & (2) 3/8 S.S FLAT WASHERS.
2. THIS COVER IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. OVER A 10 X 10 AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 22,500 LBS.

3 / E-600 TYPICAL 2 COMPARTMENT HAND HOLE DETAIL

NOT TO SCALE



NOTES:

1. BASIS OF DESIGN IS ETP-MTE ECO TOWER EMERGENCY PHONE TOWER BY TALKAPHONE OR APPROVED EQUAL.
2. COMPATIBLE EMERGENCY PHONE VOIP-500 SHALL BE ORDERED SEPARATELY AND INSTALLED WITH PHONE TOWER.
3. SEE EMERGENCY PHONE TOWER MANUFACTURER'S INFORMATION FOR REQUIRED SPACING AND HEIGHT OF ANCHOR BOLTS.
4. REFER TO SITE PLAN FOR EXACT LOCATION OF THE EMERGENCY TELEPHONE TOWER.

4 / E-600 EMERGENCY TELEPHONE TOWER

NOT TO SCALE

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

UNDERGROUND CONDUIT PLAN

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

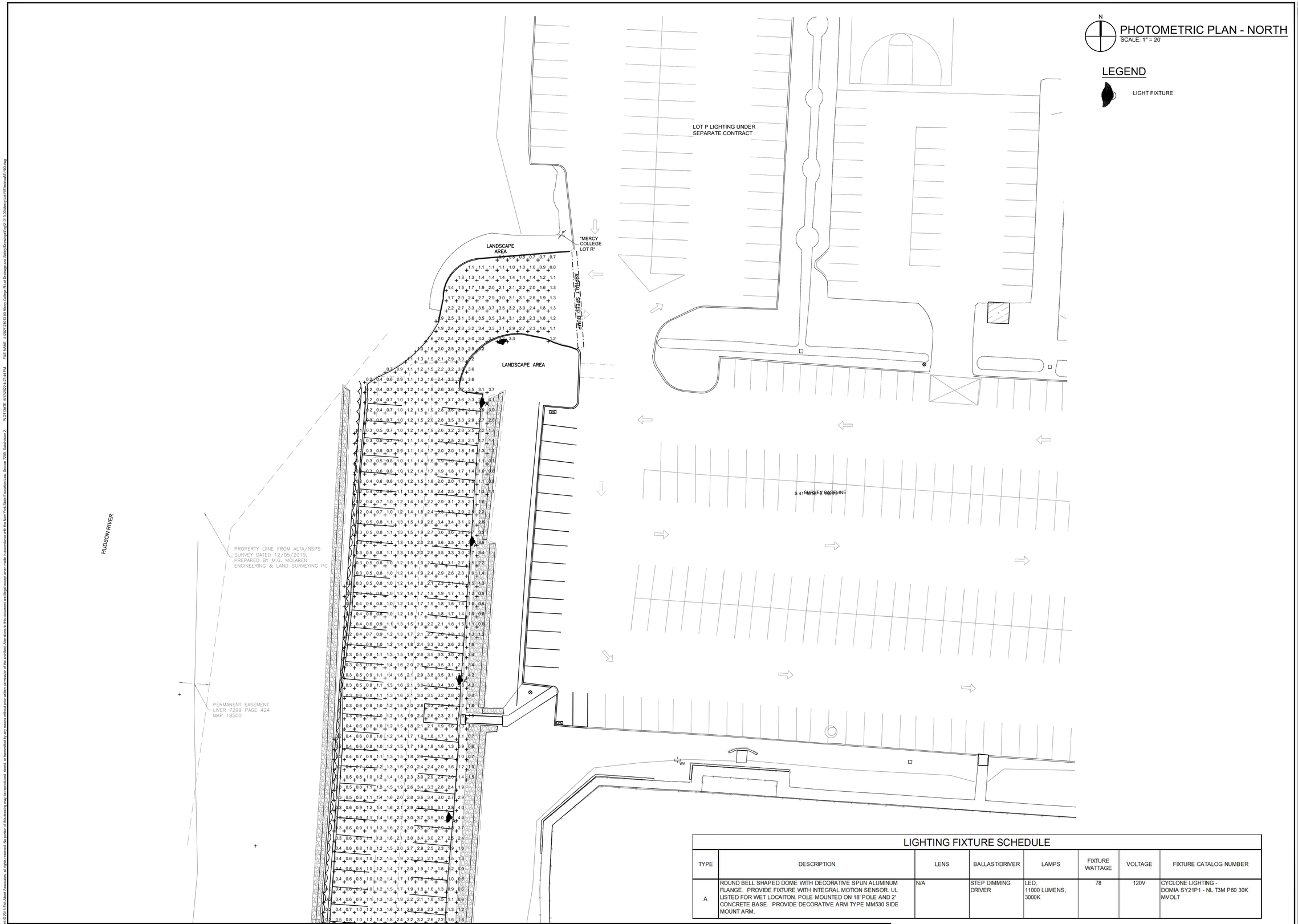
Seal:
STATE OF NEW YORK · ANDREW SEAN TAYLOR · 088113 · LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: AS NOTED
Date: 06/17/2022
Project Manager: DLP
Drawn By: JAB
Checked By: MEH
Project: 21013.00
Sheet: **E-600**

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209. Subdivision 2.

PLOT DATE: 6/17/2022 4:27:17 PM FILE NAME: U:\2021\21013.00 Mercy College Rt Lot Drainage and Safety\Drawings\Eng\21013.00 Mercy Lot R\Electrical\E-600.dwg



LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LENS	BALLAST/DRIVER	LAMPS	FIXTURE WATTAGE	VOLTAGE	FIXTURE CATALOG NUMBER
A	ROUND BELL SHAPED DOME WITH DECORATIVE SPUN ALUMINUM FLANGE. PROVIDE FIXTURE WITH INTEGRAL MOTION SENSOR. UL LISTED FOR WET LOCAITON. POLE MOUNTED ON 18' POLE AND 2' CONCRETE BASE. PROVIDE DECORATIVE ARM TYPE MM530 SIDE MOUNT ARM.	N/A	STEP DIMMING DRIVER	LED, 11000 LUMENS, 3000K	78	120V	CYCLONE LIGHTING - DOMIA SY21P1 - NL T3M P60 30K MVOLT

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

PHOTOMETRIC PLAN - NORTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS

555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK · ANDREW SEAN TAYLOR · 088132 · LICENSED PROFESSIONAL ENGINEER

Revision Number	Revision Date

Scale: 1" = 20'

Date: 06/17/2022

Project Manager:

Drawn By: JAB

Checked By: MEH

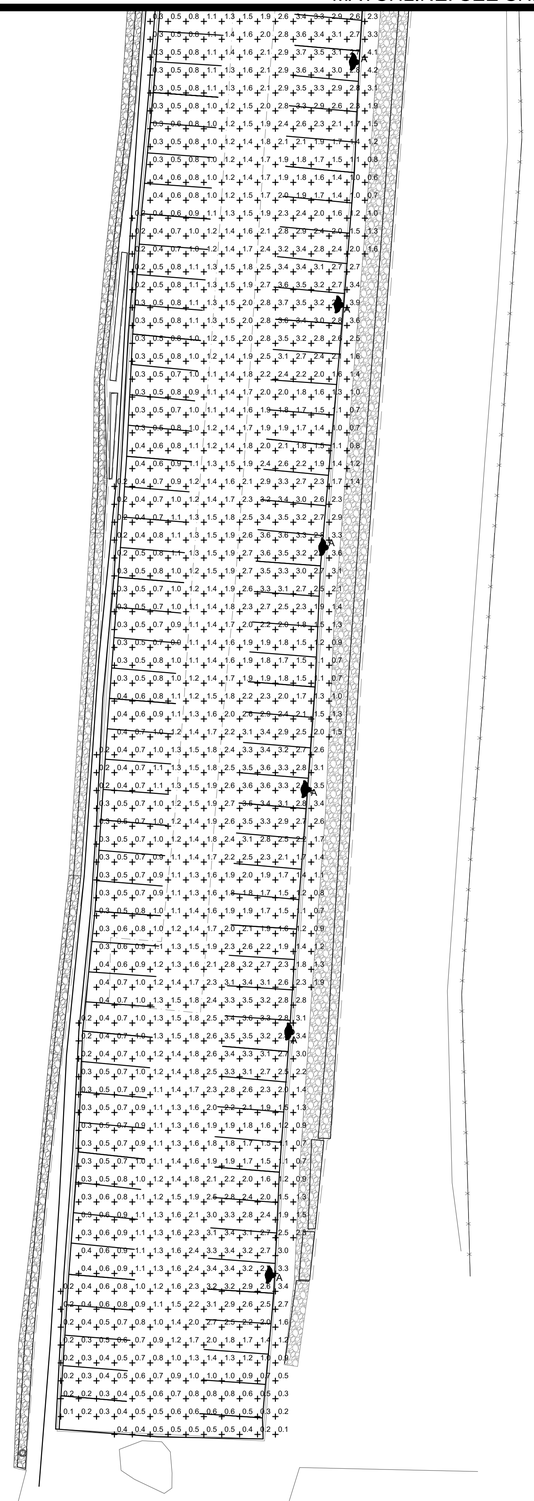
Project: 21013.00

Sheet: **ES-101**

Copyright © 2018 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alteration to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

FILE NAME: U:\2021\21013.00 Mercy College Rt.Lot Drainage and Safety\Drawings\Eng\21013.00 Mercy Lot R\Sections\E-100.dwg
PLOT DATE: 6/17/2022 4:27:44 PM

MATCHLINE: SEE SHEET E-101



N

PHOTOMETRIC PLAN - SOUTH

SCALE: 1" = 20'

Copyright © 2015 Foit-Albert Associates, all rights reserved. No portion of this drawing may be reproduced, stored, or transmitted by any means without prior written permission of the architect. Alterations to this document are illegal except when made in accordance with the New York State Education Law, Section 7209, Subdivision 2.

PLOT DATE 6/17/2022 4:27:40 PM FILE NAME U:\2021\21013.00 Mercy College Rt Lot Drainage and Safety\Drawings\Eng\21013.00 Mercy Lot R\Section\E-100.dwg

Consultants:

FoitAlbert ASSOCIATES
Architecture. Engineering. Surveying. Environmental.
299 Main Street, Suite 200
Buffalo, NY 14203
P. (716) 856-3933
www.foit-albert.com

PHOTOMETRIC PLAN - SOUTH

MERCY COLLEGE
PARKING LOT R IMPROVEMENTS
555 BROADWAY
DOBBS FERRY, NEW YORK, 10522

Seal:

STATE OF NEW YORK
ANDREW SEAN TAYLOR
LICENSED PROFESSIONAL ENGINEER
D 8 1132

Revision Number	Revision Date

Scale: 1" = 20'

Date: 06/17/2022

Project Manager: DLP

Drawn By: JAB

Checked By: MEH

Project: 21013.00

Sheet: **ES-102**