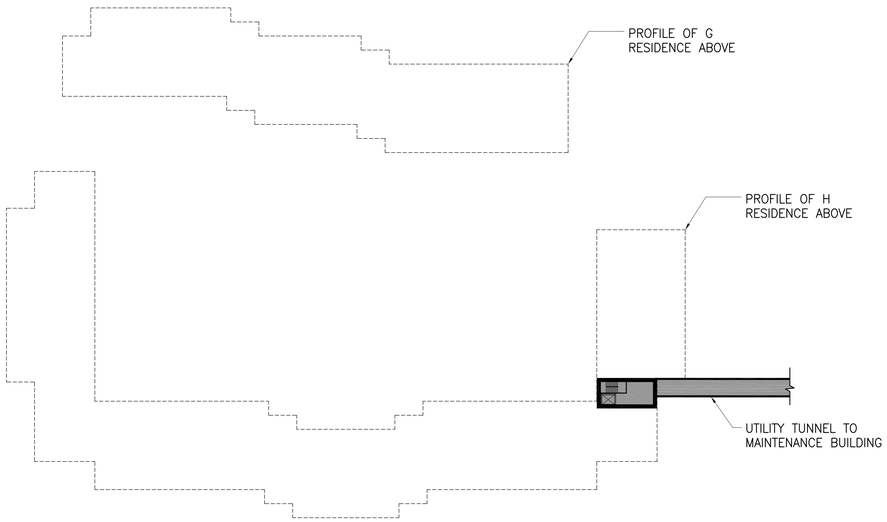
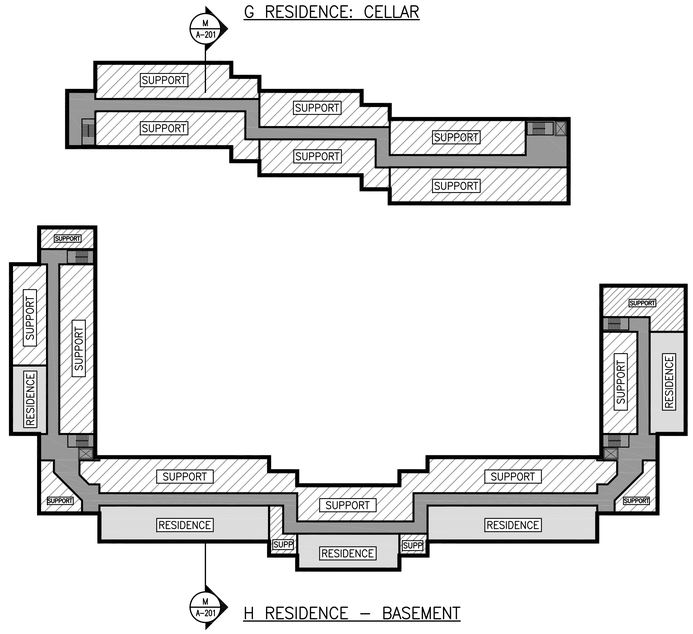


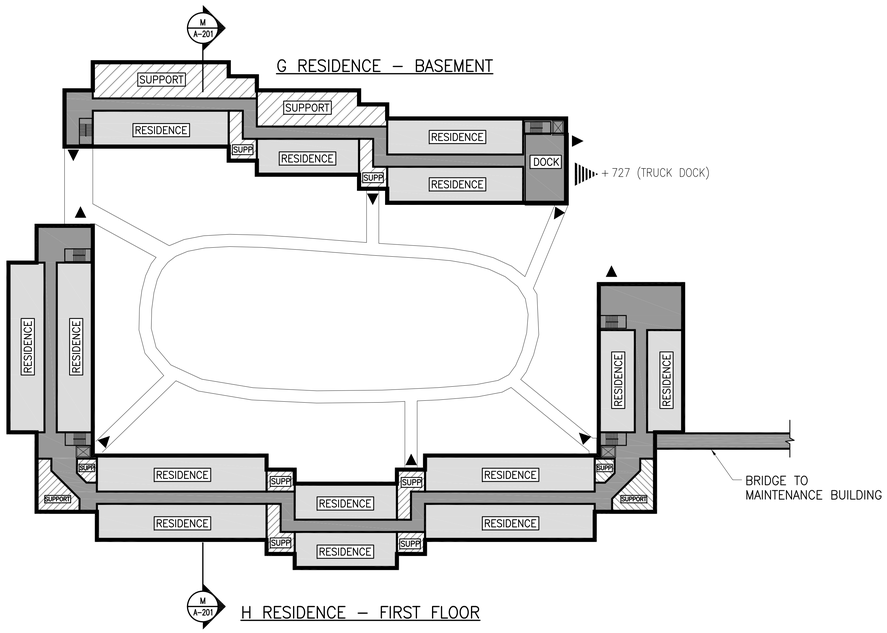
1 PLAN – RESIDENCE [EL 711]

1"=40'-0" 0' 20' 40' 80'



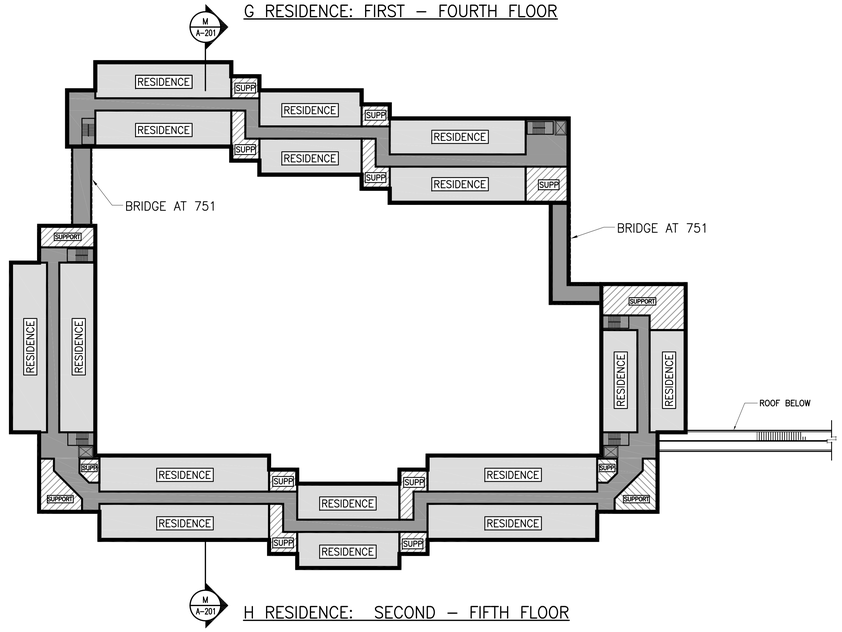
2 PLAN – RESIDENCE [EL 721]

1"=40'-0" 0' 20' 40' 80'



3 PLAN – RESIDENCE [EL 731]

1"=40'-0" 0' 20' 40' 80'

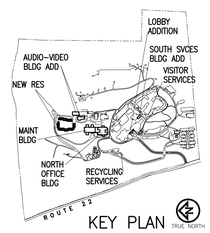


4 TYPICAL PLAN – RESIDENCE [EL 741, 751, 761 & 771]

1"=40'-0" 0' 20' 40' 80'

LEGEND

- PEDESTRIAN ACCESS
- VEHICULAR ACCESS
- RESIDENCE
- CIRCULATION
- SUPPORT



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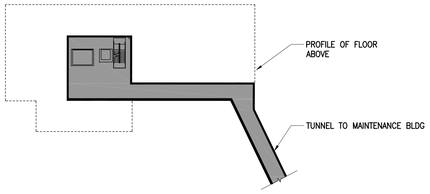
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
RESIDENCE PLANS

PROJECT No.
PPAT0104

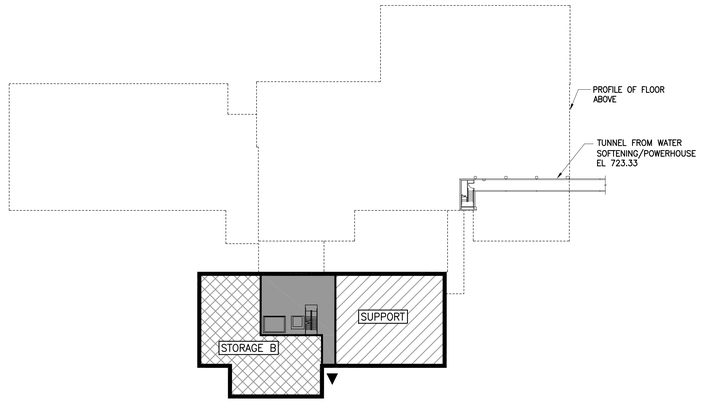
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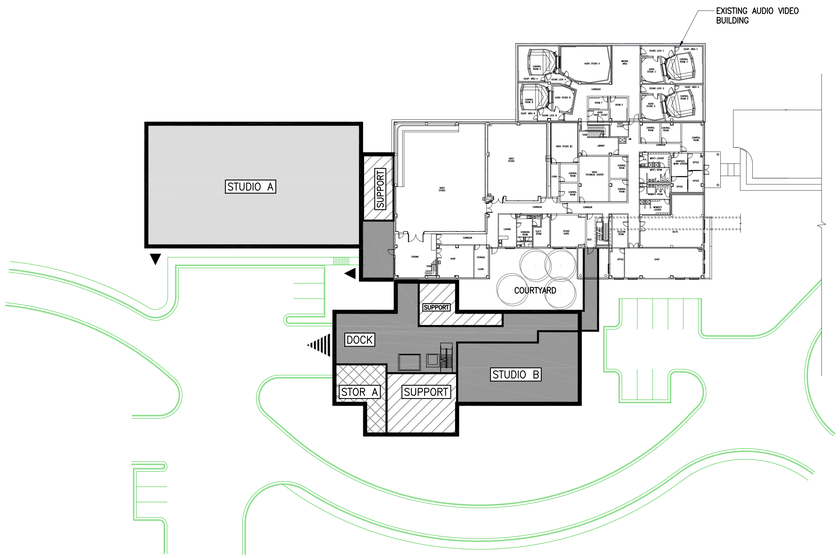
1 PLAN – AVS – CELLAR [EL 703]

1"=40'-0" 0" 20' 40' 80'



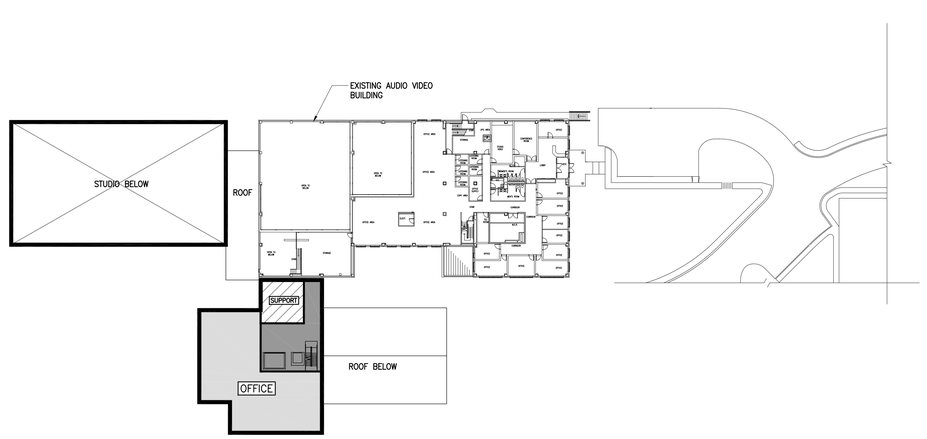
2 PLAN – AVS – BASEMENT [EL 717]

1"=40'-0" 0" 20' 40' 80'



3 PLAN – AVS – FIRST FLOOR [EL 733]

1"=40'-0" 0" 20' 40' 80'

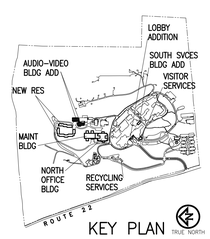


4 PLAN – AVS – SECOND FLOOR [EL 747]

1"=40'-0" 0" 20' 40' 80'

LEGEND

- PEDESTRIAN ACCESS
- VEHICULAR ACCESS
- STUDIO/OFFICE
- STORAGE
- CIRCULATION
- SUPPORT



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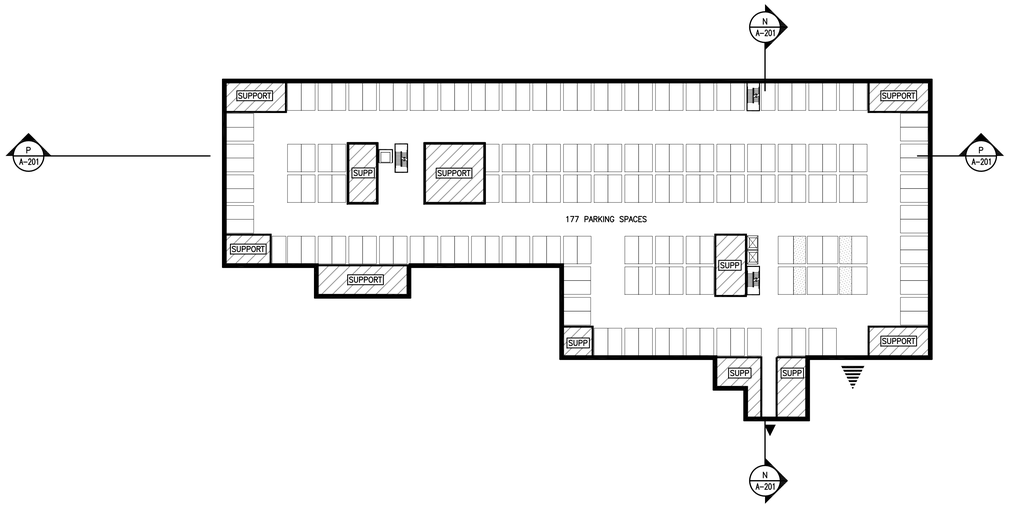
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
AUDIO VIDEO SERVICES – PLANS

PROJECT No.
PPAT0104

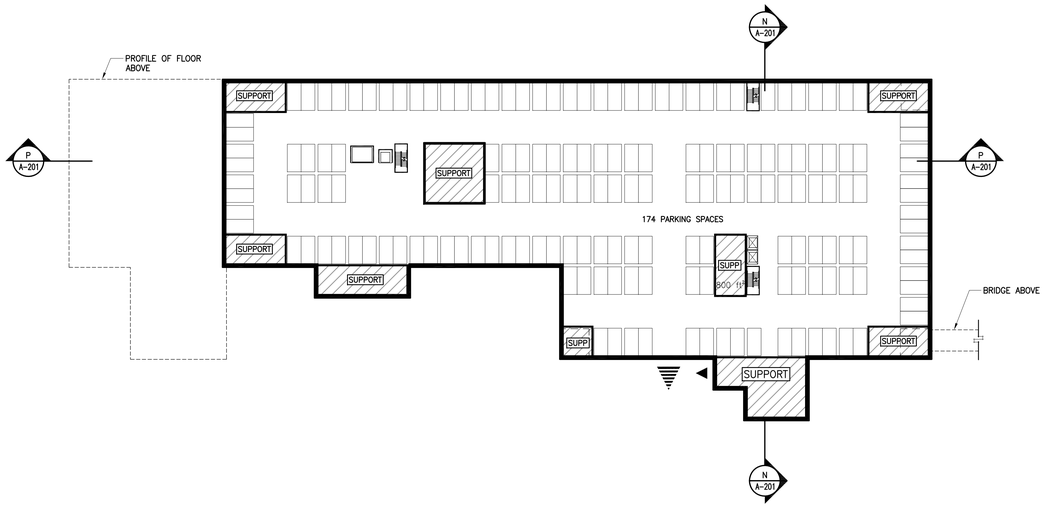
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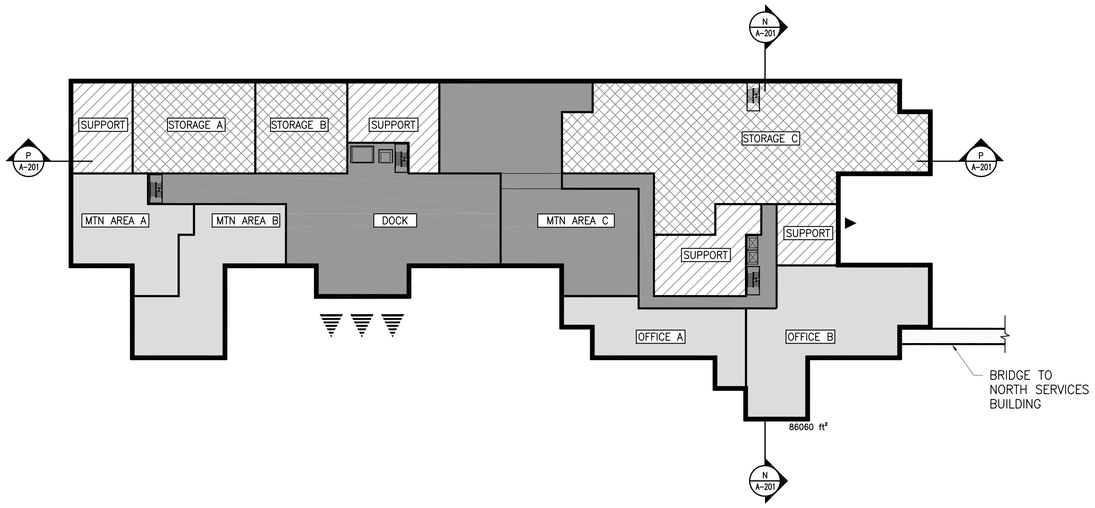
1 CELLAR 2 – MAINTENANCE/NORTH OFFICE BUILDING [EL 644 – PARKING]

1"=40'-0" 0' 20' 40' 80'



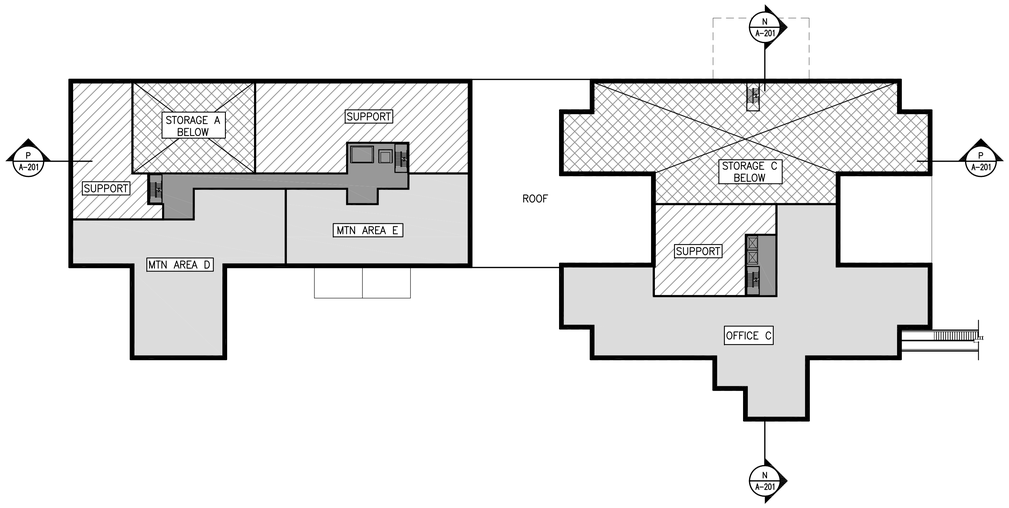
2 CELLAR 1 – MAINTENANCE/NORTH OFFICE BUILDING [EL 654.5 – PARKING]

1"=40'-0" 0' 20' 40' 80'



3 BASEMENT – MAINTENANCE/NORTH OFFICE BUILDING [EL 665 – DOCK LEVEL]

1"=40'-0" 0' 20' 40' 80'

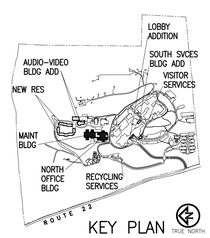


4 PLAN – FIRST FLOOR – MAINTENANCE/NORTH OFFICE BUILDING [EL 677.25]

1"=40'-0" 0' 20' 40' 80'

LEGEND

- PEDESTRIAN ACCESS
- VEHICULAR ACCESS
- MAINTENANCE AREA/OFFICE
- STORAGE
- CIRCULATION
- SUPPORT



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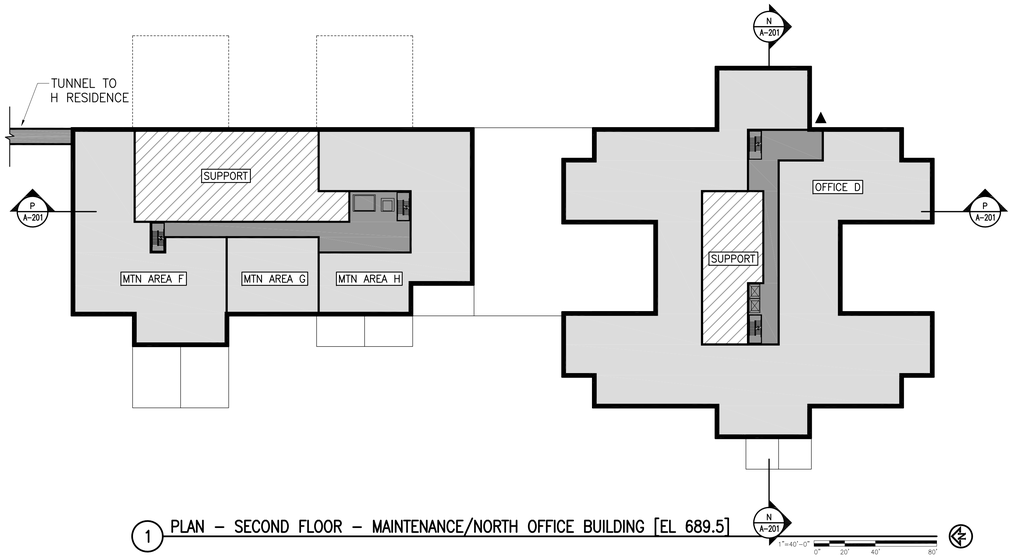
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
MAINTENANCE/ NORTH OFFICE PLANS – CELLAR 2–FIRST FLOOR

PROJECT No.
PPAT0104

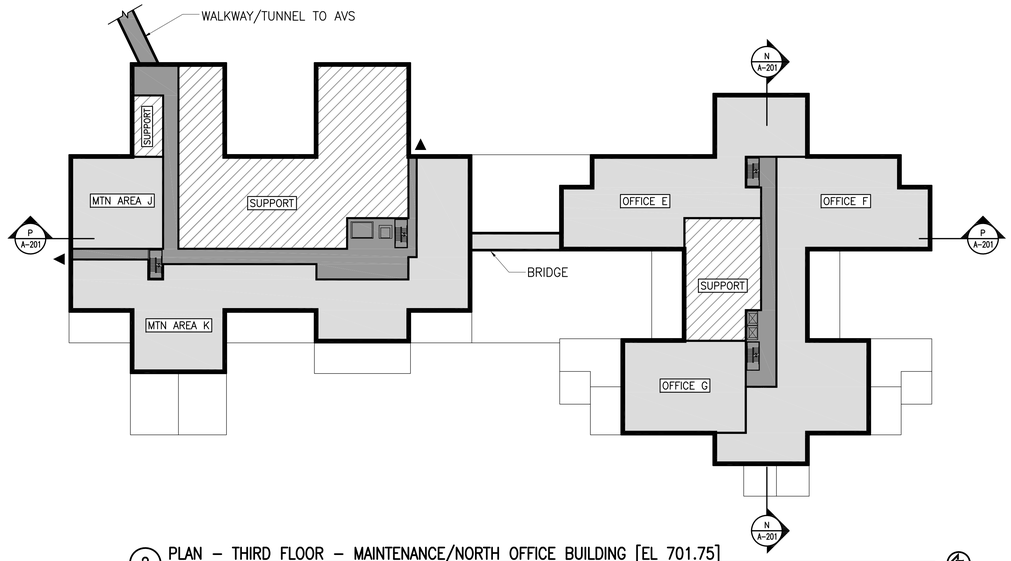
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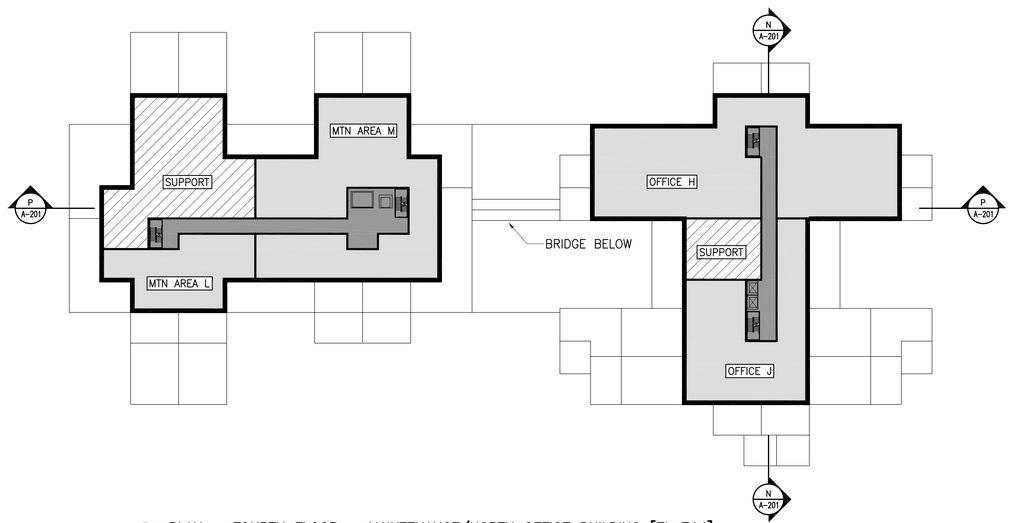
1 PLAN – SECOND FLOOR – MAINTENANCE/NORTH OFFICE BUILDING [EL 689.5]

1"=40'-0" 0' 20' 40' 80'



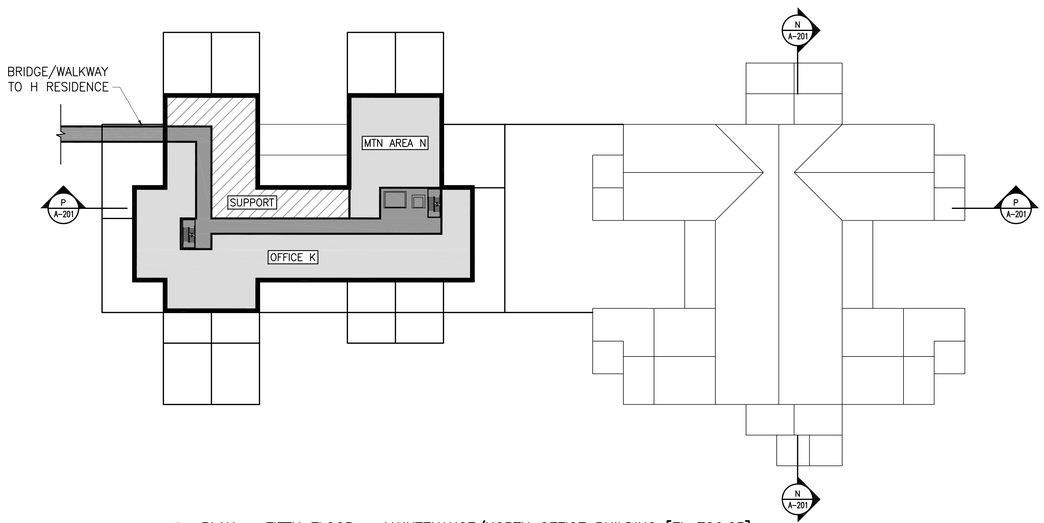
2 PLAN – THIRD FLOOR – MAINTENANCE/NORTH OFFICE BUILDING [EL 701.75]

1"=40'-0" 0' 20' 40' 80'



3 PLAN – FOURTH FLOOR – MAINTENANCE/NORTH OFFICE BUILDING [EL 714]

1"=40'-0" 0' 20' 40' 80'

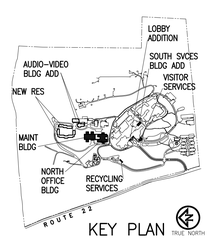


4 PLAN – FIFTH FLOOR – MAINTENANCE/NORTH OFFICE BUILDING [EL 726.25]

1"=40'-0" 0' 20' 40' 80'

LEGEND

- PEDESTRIAN ACCESS
- VEHICULAR ACCESS
- MAINTENANCE AREA/OFFICE
- STORAGE
- CIRCULATION
- SUPPORT



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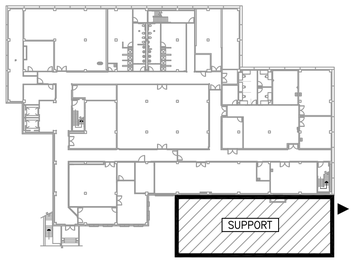
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
MAINTENANCE/ NORTH OFFICE PLANS– SECOND–FIFTH FLOOR

PROJECT No.
PPAT0104

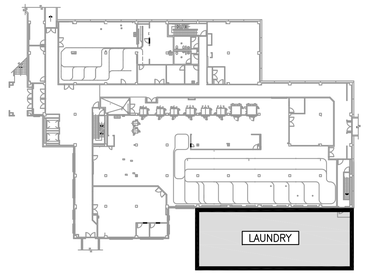
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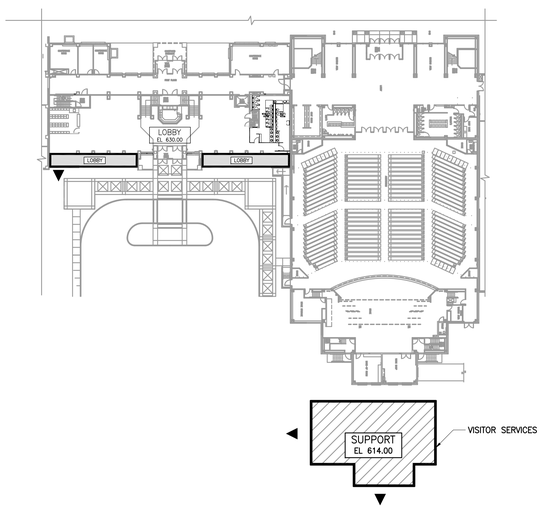
1 BASEMENT – SOUTH SERVICES [EL 630.00]

1"=40'-0"
0' 20' 40' 80'



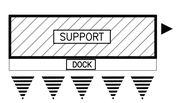
2 FIRST FLOOR – SOUTH SERVICES [EL 642.25]

1"=40'-0"
0' 20' 40' 80'



3 MAIN LOBBY/VISITOR SERVICES

1"=40'-0"
0' 20' 40' 80'

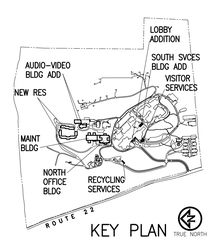


4 RECYCLING SERVICES [EL 583.00]

1"=40'-0"
0' 20' 40' 80'

LEGEND

- PEDESTRIAN ACCESS
- VEHICULAR ACCESS
- LOBBY/LAUNDRY
- STORAGE
- SUPPORT



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PROJECT TITLE:
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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
SERVICE BUILDINGS

PROJECT No.
PPAT0104

SHEET No.
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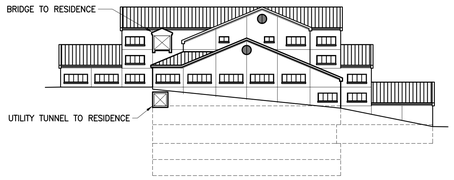
A RESIDENCE – NORTH ELEVATION

1"=40'-0" 0' 20' 40' 80'



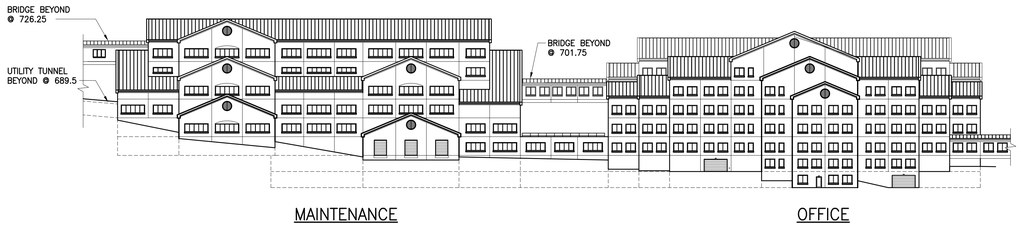
B RESIDENCE – WEST ELEVATION

1"=40'-0" 0' 20' 40' 80'



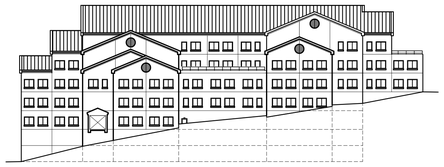
C MAINTENANCE BUILDING – NORTH ELEVATION

1"=40'-0" 0' 20' 40' 80'



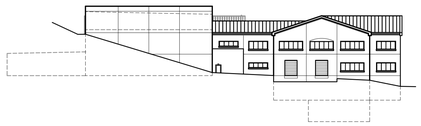
D MAINTENANCE/NORTH OFFICE BUILDING – WEST ELEVATION

1"=40'-0" 0' 20' 40' 80'



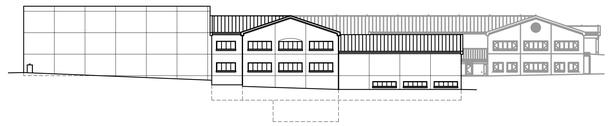
E NORTH OFFICE BUILDING – SOUTH ELEVATION

1"=40'-0" 0' 20' 40' 80'



F AUDIO/VIDEO SERVICES – NORTH ELEVATION

1"=40'-0" 0' 20' 40' 80'



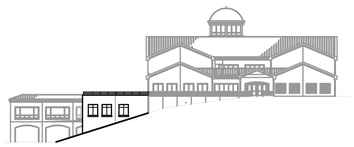
G AUDIO/VIDEO SERVICES – WEST ELEVATION

1"=40'-0" 0' 20' 40' 80'



H SOUTH SERVICES – WEST ELEVATION

1"=40'-0" 0' 20' 40' 80'



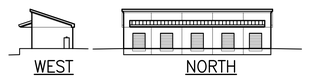
J SOUTH SERVICES – SOUTH ELEVATION

1"=40'-0" 0' 20' 40' 80'



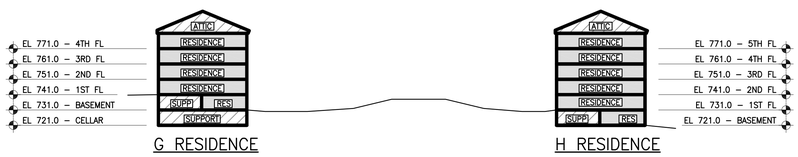
K VISITOR SERVICES – ELEVATIONS

1"=40'-0" 0' 20' 40' 80'



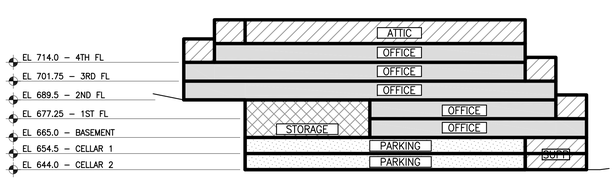
L RECYCLING SERVICES

1"=40'-0" 0' 20' 40' 80'



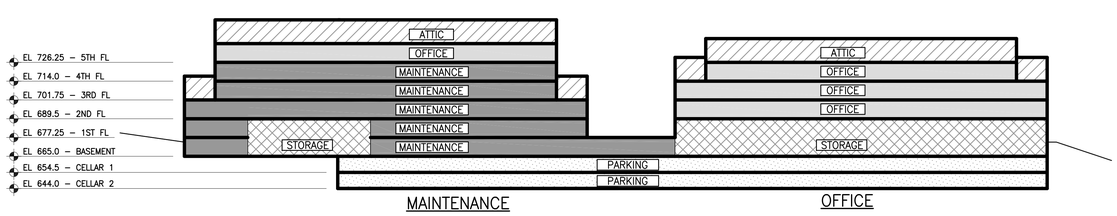
M RESIDENCE – SECTION

1"=40'-0" 0' 20' 40' 80'



N NORTH OFFICE BUILDING – SECTION

1"=40'-0" 0' 20' 40' 80'



P MAINTENANCE/NORTH OFFICE BUILDING – SECTION

1"=40'-0" 0' 20' 40' 80'

WATCHTOWER
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BROOKLYN, NY 11201 USA
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MARK:	DATE:	DESCRIPTION:
–	06 AUG 10	FILING
–	09 JUL 09	FILING
–	15 APR 09	REVIEW & APPROVAL

OWNER:
WATCHTOWER BIBLE & TRACT SOC. OF NY, INC.
25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
EXTERIOR ELEVATIONS & SECTIONS

PROJECT No.
PPAT0104

SHEET No.
A-201

XREF: \\Common\V\Project Title-DEFAULT\E-USA
XREF: P:\USA\PPAT0104\V2-PROJECT DESIGN\2.20 Schematic Design\Drawings\Arch\DGS Sketches\PPA-A-201_DEFS.dwg
IMAGE:

PLOT DATE: 2 Aug 10 PLOTTED BY: Gabby, Sarah
DIMSCALE: 480.0000 DSKNAME: CWD
FILE PATH: P:\USA\PPAT0104\V2-PROJECT DESIGN\2.20 Schematic Design\Drawings\Arch\DGS Sketches\PPA-A-201_DEFS.dwg

G RESIDENCE
(2 STORY W/BASEMENT)

AUDIO-VIDEO ADDITION
(1 STORY)

EXIST AUDIO/VIDEO BLDG

EXIST WATER SOFTENING

EXIST POWERHOUSE

H RESIDENCE
(2 STORY W/BASEMENT & PARTIAL CELLAR)

AUDIO-VIDEO ADDITION
(1 STORY W/BASEMENT & CELLAR)

J RESIDENCE
(2 STORY W/BASEMENT & PARTIAL CELLAR)

K RESIDENCE
(2 STORY W/BASEMENT)

MAINTENANCE BUILDING
(2 STORY W/BASEMENT & 2 CELLARS)

EXIST N. PARKING GARAGE

EXIST REC

EXIST 'C' RES

SOUTH SERVICES
(2 STORY)

EXIST 'E' RES

EXIST 'F' RES

EXIST WAREHOUSE

EXIST VEHICLE REPAIR

EXIST N. PARKING GARAGE

NEW PASSENGER PICK-UP/DROP OFF

EXIST KITCHEN/ DINING ROOM

EXIST SCHOOL

EXIST AUDITORIUM

EXIST N. SERVICES BLDG

EXIST LOBBY

VISITOR SERVICES
(1 STORY)

NEW PARKING

EXIST SOUTH OFFICES

LOBBY ADDITION
(1 STORY)

EXIST A

EXIST B

EXIST C

EXIST INN

EXIST D

EXIST E

EXIST F

EXIST G

WEST OFFICE BUILDING
(2 STORY)

PARKING LOT EXPANSION

RECYCLING SERVICES
(1 STORY)

OVERFLOW PARKING

STORM WATER POND #1

STORM WATER POND #2

1 ALTERNATE SITE PLAN

1"=100'-0"
0' 50' 100' 200'

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ACCOUNT No.:

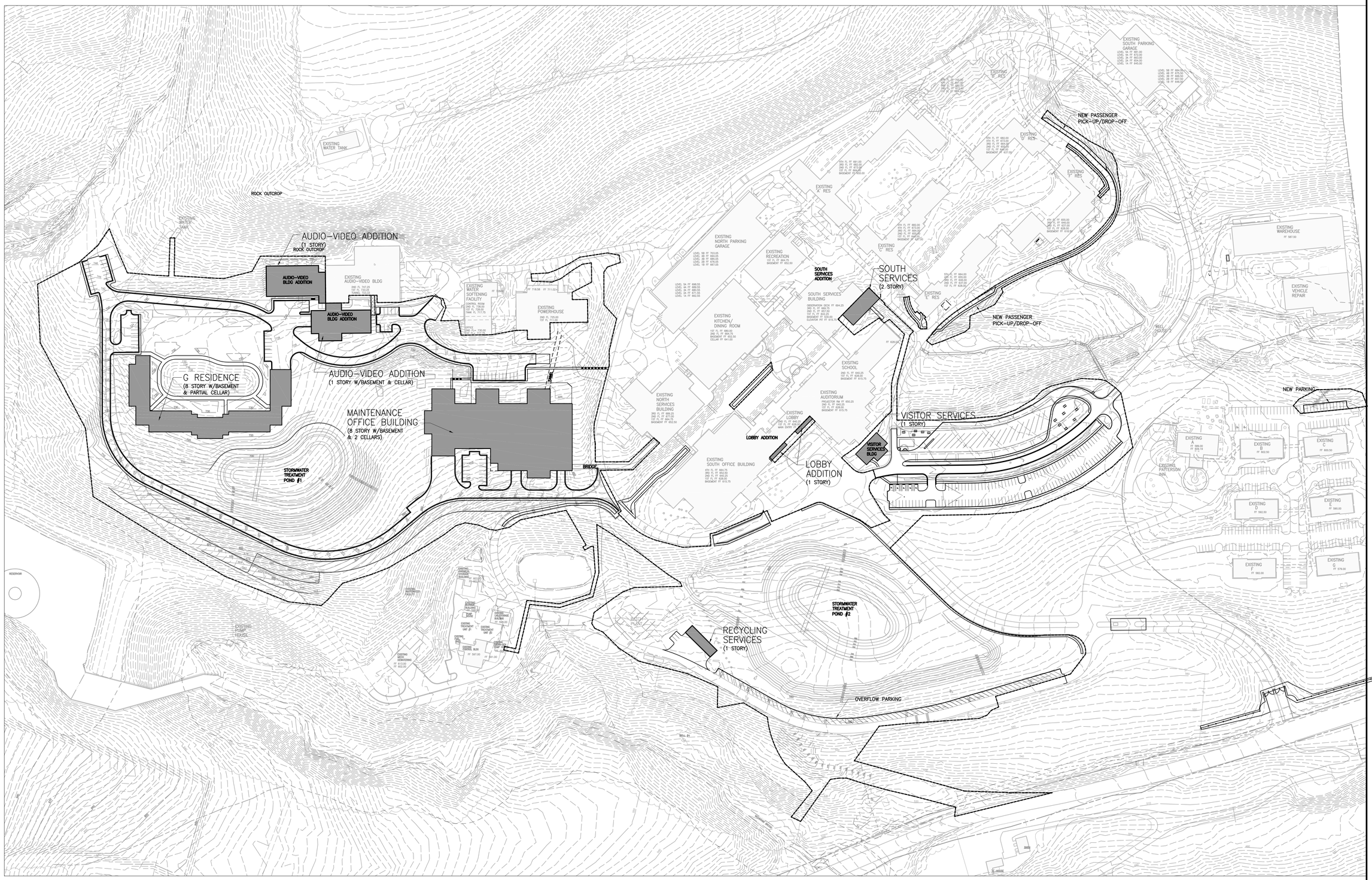
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
ALTERNATE SITE PLAN-AS-OF-RIGHT

PROJECT No.
PPAT0104

SHEET No.
AS102

PLOT DATE: 4 Aug 10 PLOTTED BY: Colley, Charmaine
DIMSCALE: 1200,0000 DSGN\DRFT:
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XREF: P:\USA\PPAT0104\3_CONSTRUCTION DOCUMENTS\3.10 Drawings\Common\Site Plans\PX-AS102_DEFS_ALT_AS-OF-RIGHT.dwg



1 ALTERNATE SITE PLAN

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–	06 AUG 10	FILING

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BROOKLYN, NY 11201

ACCOUNT No.

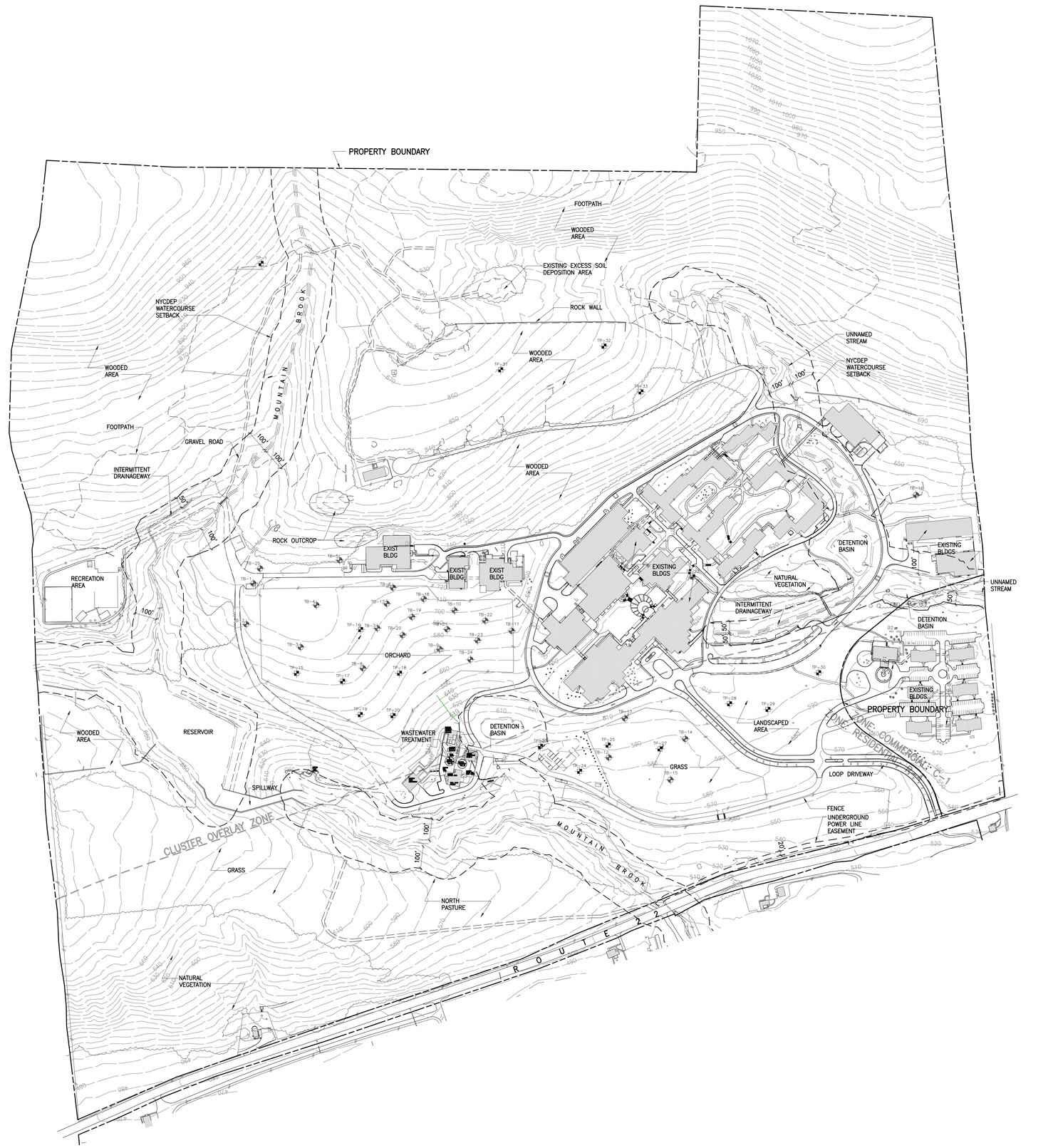
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
ALTERNATE SITE PLAN– REDUCED SITE IMPACT

PROJECT No.
PPAT0104

SHEET No.
AS103

PLOT DATE: 2 Aug 10 PLOTTED BY: Gabby, Sarah
DIMSCALE: 1:200.0000 DGNA\DRFT:
FILE PATH: P:\USA\PPAT0104\3_CONSTRUCTION_DOCUMENTS\3.10_Drawings\Arch_Architecture\Pat_AS103_SITE_ALT_ReducedImpact\Pat_AS103_SITE_ALT_ReducedImpact.dwg
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1 PLAN – EXISTING CONDITIONS

1"=200' 0 100 200 400

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–	06 AUG 10	FILING
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–	15 APR 09	REVIEW & APPROVAL

OWNER:
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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
EXISTING CONDITIONS PLAN

PROJECT No.
PPAT0104

SHEET No.
C–101

XREF: P:\USA\PPAT0104\3_CONSTRUCTION DOCUMENTS\3.10 Drawings\Common\X-Project Title-DEFAULT-E.USA
XREF: V:\PX-C2000
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PLOT DATE: 3 Aug 10 PLOTTED BY: Colley, Charmaine
DIMSCALE: 2400.00 DSGN\DRFT: KSW
FILE PATH: P:\USA\PPAT0104\3_CONSTRUCTION DOCUMENTS\3.10 Drawings\Civil\PX-C-101.dwg

PROPERTY BOUNDARY

FOOTPATH

WOODED AREA

EXISTING EXCESS SOIL DEPOSITION AREA

ROCK WALL

WOODED AREA

UNNAMED STREAM

NYCDEP WATERCOURSE SETBACK

100'

NYCDEP WATERCOURSE SETBACK

WOODED AREA

MOUNTAIN BROOK

FOOTPATH

GRAVEL ROAD

100'

100'

INTERMITTENT DRAINAGEWAY

50'

100'

ROCK OUTCROP

AUDIO-VIDEO ADDITION NEW RESIDENCES

AUDIO-VIDEO BLDG

EXIST CONC PAVEMENT TO BE REMOVED

EXIST BLDG

EXIST BLDG

WOODED AREA

SOUTH SERVICES BLDG ADDITION

NEW PASSENGER PICKUP/ DROPOFF AREA

EXISTING BLDGS

NEW FUEL TANK

DETENTION BASIN

EXISTING BLDGS

100'

NEW VISITOR SERVICES BLDG

NEW PASSENGER PICKUP/ DROPOFF AREA

NATURAL VEGETATION

DETENTION BASIN

UNNAMED STREAM

50'

INTERMITTENT DRAINAGEWAY

50'

LOBBY ADDITION

NEW PARKING

RECREATION AREA

100'

MAINTENANCE BLDG

NORTH OFFICE BLDG

MOUNTAIN BROOK

STORMWATER TREATMENT POND #1

EXIST BATCH PLANT TO BE REMOVED

VISITOR PARKING ADDITION

EXISTING BLDGS

PROPERTY BOUNDARY

ZONE: COMMERCIAL: C-1

ZONE: RESIDENTIAL: R-1

WOODED AREA

RESERVOIR

EXIST GRAVEL ROAD TO BE REMOVED

NEW LOOP DRIVEWAY

DETENTION BASIN

NEW TEMPORARY CONSTRUCTION ACCESS ROAD

EXIST CONC PAVEMENT TO BE REMOVED & REPLACED

STORMWATER TREATMENT POND #2

SPILLWAY

WASTEWATER TREATMENT

NEW RECYCLING BLDG

EX LOOP DRIVEWAY

NEW FENCE & GATE

CLUSTER OVERLAY ZONE

ALTERNATE EXCESS SOIL DEPOSITION AREA – NORTH PASTURE

100'

100'

MOUNTAIN BROOK

NEW PARKING

UNDERGROUND POWER LINE EASEMENT

50'

NEW TEMPORARY CONSTRUCTION ACCESS ROAD

GRASS

ROUTE 22

NATURAL VEGETATION

1 PLAN – PROPOSED SITE

1"=200'

0 100 200 400

WATCHTOWER

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BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
PROPOSED SITE PLAN

PROJECT No.
PPAT0104

SHEET No.
C-102

XREF: IMAGE:
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PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
DWGSCALE: 2400.00 DSGN/DRFT: KSW
FILE PATH: P:\USA\PPAT0104\3_CONSTRUCTION DOCUMENTS\3.10 Drawings\01 Civil\PX-C-102.dwg



1 WATERCOURSE DELINEATION PLAN – SOUTH

1:150 (0, 75, 150, 300)

NYCDEP WATERCOURSE DELINEATIONS VALIDATION

THE WATERCOURSE DELINEATIONS AS REPRESENTED ON THIS PLAN ACCURATELY DEPICTS THE LIMITS OF THE NYCDEP

WATERCOURSES DELINEATED BY MARY GALASSO ON 5/15/2008

MARIYAM ZACHARIAH ON 5/15/2008

NYCDEP REPRESENTATIVE SIGNATURE _____ DATE 3/19/2009

WATERCOURSE DELINEATIONS AS VALIDATED BY NYCDEP REMAIN VALID FOR FIVE YEARS FROM DATE OF FLAGGING OR REVALIDATION FOR OFFICIAL USE OF THE WATERCOURSE DELINEATIONS AFTER THIS FIVE YEAR PERIOD, THE DELINEATIONS MUST BE REVALIDATED BY NYCDEP STAFF. THIS MAY INCLUDE REFLAGGING AND SURVEY OF THE WATERCOURSE DELINEATIONS IF CHANGES ARE NOTED.

STATE OF NEW YORK · RICHARD IAN ELDRED · 050154 · LICENSED LAND SURVEYOR

TOPOGRAPHIC FEATURES AND WATERCOURSES, SHOWN HEREON, WERE TO THE BEST OF MY KNOWLEDGE AND BELIEF PREPARED BASED ON ACTUAL FIELD MEASUREMENTS. TOPOGRAPHY IN AREAS REMOTE TO PROJECT AREA AS BASED ON USGS QUADRANGLE INFORMATION.

Richard Ian Eldred

RICHARD IAN ELDRED, L.S. | 2/18/09 DATE | 050154 REGISTRATION NO.

LEGEND

- DEP DELINEATED WATERCOURSE
- DEP DELINEATED WATER BODY
- DEP DELINEATED INTERMITTENT WATERCOURSE
- MAJOR CONTOUR
- MINOR CONTOUR
- TREE LINE

XREF:
IMAGE:

PLOT DATE: 18 FEB 09 PLOTTED BY: canthoni
DWG SIZE: 870 x 1118 DISCIPLINE: LA
FILE PATH: Y:\Bldg\Projects\Patterson Expansion\Drawings\Contours\PATEXPCONTOURS.DWG

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25 COLUMBIA HEIGHTS
BROOKLYN,
NEW YORK, 11201

CONSULTANT:

MARK:	DATE:	DESCRIPTION:
–	18 FEB 09	FILING
1	05 AUG 08	WATERCOURSE RELEASE

OWNER:
WATCHTOWER BIBLE & TRACT SOC. OF NY, INC.
25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER
AMENDED SITE PLAN
PATTERSON, NY

SHEET TITLE:
WATERCOURSE DELINEATION PLAN – SOUTH

PROJECT No.
PPAT0104

SHEET No.
C-105



1 WATERCOURSE DELINEATION PLAN – NORTH

1:150 (0, 75, 150, 300) N

NYCDEP WATERCOURSE DELINEATIONS VALIDATION

THE WATERCOURSE DELINEATIONS AS REPRESENTED ON THIS PLAN ACCURATELY DEPICTS THE LIMITS OF THE NYCDEP

WATERCOURSES DELINEATED BY Mary Galasso ON 5/15/2008

Mariam Zachariah ON 5/15/2008

NYCDEP REPRESENTATIVE SIGNATURE _____ DATE 3/19/2009

WATERCOURSE DELINEATIONS AS VALIDATED BY NYCDEP REMAIN VALID FOR FIVE YEARS FROM DATE OF FLAGGING OR REVALIDATION FOR OFFICIAL USE OF THE WATERCOURSE DELINEATIONS AFTER THIS FIVE YEAR PERIOD, THE DELINEATIONS MUST BE REVALIDATED BY NYCDEP STAFF. THIS MAY INCLUDE REFLAGGING AND SURVEY OF THE WATERCOURSE DELINEATIONS IF CHANGES ARE NOTED.

STATE OF NEW YORK · RICHARD IAN ELDRED · 050154 · LICENSED LAND SURVEYOR

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Richard Ian Eldred

RICHARD IAN ELDRED, L.S. | 2/18/09 DATE | 050154 REGISTRATION NO.

LEGEND

- DEP DELINEATED WATERCOURSE
- DEP DELINEATED WATER BODY
- DEP DELINEATED INTERMITTENT WATERCOURSE
- MAJOR CONTOUR
- MINOR CONTOUR
- TREE LINE

XREF: IMAGE1
XREF: IMAGE2
XREF: IMAGE3
XREF: IMAGE4
XREF: IMAGE5
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PLOT DATE: 18 FEB 09
PLOTTED BY: ronthoni
DRAWING SCALE: 1:300
DRAWING NO.: 1 OF 1
FILE PATH: Y:\Bldg Projects\Patterson Expansion\Drawings\Contours\PATEXPCONTOURS.DWG

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MARK:	DATE:	DESCRIPTION:
–	18 FEB 09	FILING
1	05 AUG 08	WATERCOURSE RELEASE

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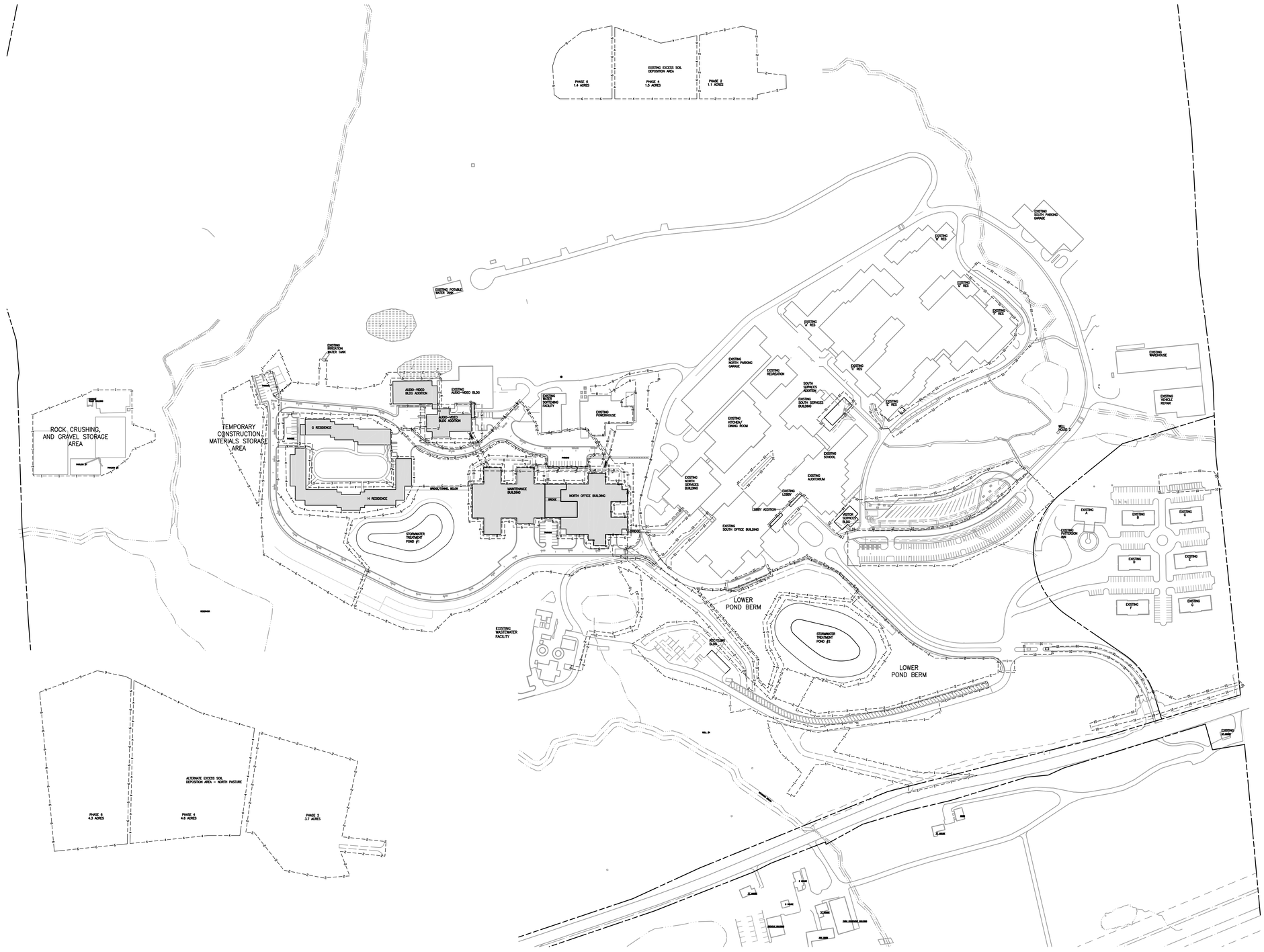
ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER
AMENDED SITE PLAN
PATTERSON, NY

SHEET TITLE:
WATERCOURSE DELINEATION PLAN – NORTH

PROJECT No.
PPAT0104

SHEET No.
C-106



CONSTRUCTION PHASING SEQUENCE AND DETAIL

1. PHASE 1 – RECYCLING BUILDING, CONSTRUCTION ENTRANCES, POND #2 AND ROCK CRUSHING FACILITY.
   PHASE 1 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATE 9.2 ACRES.
2. PHASE 2 – LOOP ROAD, AUDIO/VIDEO BUILDING, STAGING AREA

   PHASE 2 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATELY 8.7 ACRES. THE NEW LOOP ROAD WOULD PROVIDE ACCESS TO THE MAJORITY OF PROPOSED STRUCTURES, TYING INTO EXISTING ROADS ON-SITE. TWO ADDITIONS (NORTH AND WEST) TOTALING APPROXIMATELY 46,000 SQUARE FEET ARE PROPOSED TO THE AUDIO/VIDEO BUILDING.
3. PHASE 3 – G RESIDENCE, COURTYARD BETWEEN G RESIDENCE AND H RESIDENCE, NORTH TUNNEL FROM G TO H RESIDENCE

   PHASE 3 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATELY 3.8 ACRES.
4. PHASE 4 – H RESIDENCE, SOUTH TUNNEL FROM H TO G RESIDENCE

   PHASE 4 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATELY 4.5 ACRES.
5. PHASE 5 – MAINTENANCE/NORTH OFFICE BUILDING, LOOP ROAD, TUNNEL FROM H RESIDENCE TO MAINTENANCE/NORTH OFFICE BUILDING, POND #1

   PHASE 5 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATELY 9.3 ACRES.
6. PHASE 6 – MAINTENANCE/NORTH OFFICE BUILDING, LOOP ROAD
   PHASE 6 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATELY 7.5 ACRES.
7. PHASE 7 – VISITOR PARKING LOT
   PHASE 7 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATE 2.4 ACRES.
8. PHASE 8 – TUNNEL FROM POWERHOUSE TO MAINTENANCE/NORTH OFFICE BUILDING, MAINTENANCE/NORTH OFFICE BUILDING RETAINING WALLS
   PHASE 8 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATE 3.9 ACRES.
9. PHASE 9 – LOOP ROAD, AUDIO/VIDEO BUILDING, TUNNEL FROM A/V BUILDING TO MAINTENANCE/NORTH OFFICE BUILDING
   PHASE 9 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATE 2.4 ACRES.
10. PHASE 10 – BUS PARKING LOT, LOBBY EXPANSION, SERVICES BUILDING EXPANSION, VISITOR SERVICES BUILDING, PASSENGER PICK-UP/DROP-OFF ADDITION AT E RESIDENCE, F RESIDENCE AND PARKING ADDITION AT PATTERSON INN
    PHASE 10 WOULD HAVE AN AREA OF DISTURBANCE OF APPROXIMATE 5.4 ACRES.

1 PLAN – OVERALL CONSTRUCTION PHASING

1"=150' 0 75 150 300

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–	12 MAY 10	FILING
–	09 JUL 09	FILING
–	15 APR 09	REVIEW & APPROVAL

OWNER:
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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

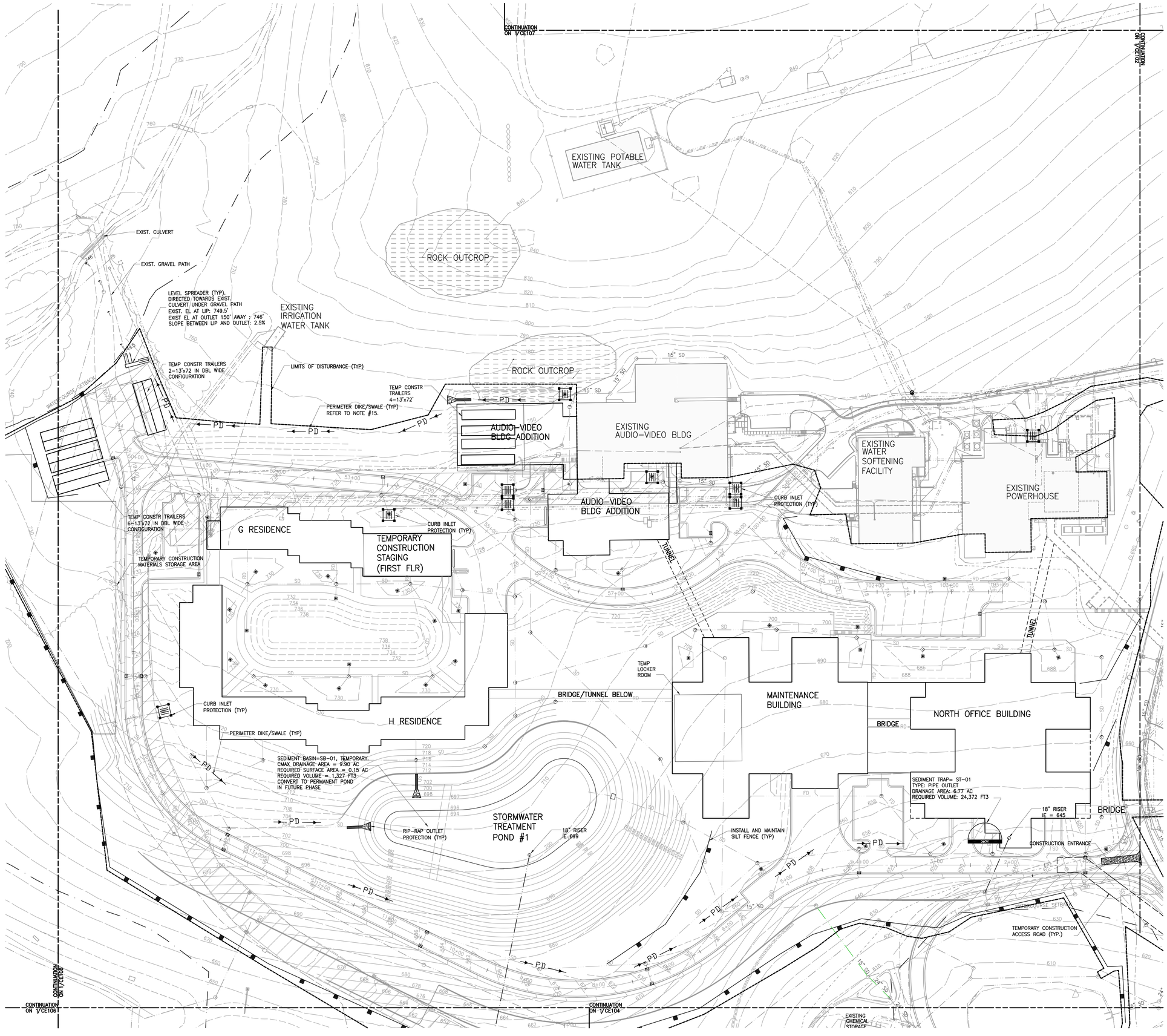
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
CONSTRUCTION PHASING PLAN

PROJECT No.
PPAT0104

SHEET No.
CD101

XREF: MAGE
XREF: MAGE
XREF: MAGE
XREF: MAGE
XREF: MAGE
XREF: MAGE
XREF: \PX-CS000
XREF: \PX-CE000
XREF: ...\Common\X-Project Title-DEFAULT.E.USA
XREF: \PX-CG000
PLOT DATE: 4 Aug 10 PLOTTED BY: Colley, Charmaine
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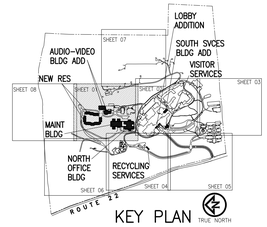


EROSION CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO THE FIRST STEP IN CLEARING AND GRADING OF ANY PORTION OF THE PROJECT.
2. CONSTRUCTION ACTIVITIES SHALL BE PHASED SUCH THAT THE OVERALL LAND DISTURBANCE IS MINIMIZED AT ANY ONE TIME. STAKEOUT LIMITS OF PHASE DISTURBANCE AND INSTALL CONSTRUCTION FENCING AT BOUNDARY. ALL DISTURBED AREAS SHALL BE STABILIZED, AS SPECIFIED IN NOTE 4, BEFORE ADDITIONAL AREAS ARE EXPOSED.
3. WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES, AREAS TO BE VEGETATED SHALL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST DISTURBANCE. WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES, AREAS AREAS TO BE PAVED SHALL BE STABILIZED WITH CRUSHED STONE WITHIN 7 DAYS OF LAST DISTURBANCE.
4. SEE CG503 FOR SEEDING AND MULCHING NOTES AND SPECIFICATIONS.
5. EXISTING VEGETATION THAT IS TO REMAIN SHALL BE SURROUNDED WITH TEMPORARY ORANGE-COLORED PLASTIC MESH FENCE.
6. STOCKPILES SHALL BE ROUGHENED BY EQUIPMENT TRACKING AND SHALL NOT EXCEED 2:1. INSTALL SILT FENCE AT TOE OF EACH PILE. STABILIZE SLOPES ON LOWER END OF BERM BEFORE CONTINUING WITH STOCKPILE OPERATIONS.
7. DUST SHALL BE CONTROLLED BY USING A MOBILE WATER TRUCK TO APPLY WATER TO DISTURBED AREAS THAT ARE DRY AND SUSCEPTIBLE TO CREATING DUST.
8. THE WATER TABLE MAY BE ENCOUNTERED DURING CONSTRUCTION OF BUILDING FOUNDATIONS. DEWATERING MEASURES MAY NEED TO BE IMPLEMENTED TO PROVIDE A DRY BASE FOR CONSTRUCTION.
9. ONCE CONSTRUCTION PERMANENTLY CEASES IN AN AREA, THE AREA SHALL BE STABILIZED WITH PERMANENT MEASURES.
10. SEDIMENT BASIN SHALL BE CLEANED OUT AT 50% CAPACITY AND THE SEDIMENT SHALL BE SPREAD ON THE SITE. SEDIMENT SHALL NOT BE DEPOSITED DOWNSTREAM OF BASIN, ADJACENT TO STREAMS, WETLANDS OR WITHIN FLOODPLAIN.
11. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
12. ENSURE THAT ALL DRAINAGE STRUCTURES AND PIPES ARE CLEANED OUT AND WORKING PROPERLY AT COMPLETION OF PROJECT.
13. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ACCORDING TO THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL".
14. SEE THE STORM WATER POLLUTION PREVENTION PLAN FOR INSPECTION AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROLS AND STORM WATER TREATMENT PRACTICES.
15. WHERE PERIMTER DIKE OR SWALE SLOPE IS GREATER THAN 8%, A CHECK DAM SHALL BE USED.

1 PLAN – GRADING & DRAINAGE

1"=50'



KEY PLAN TRUE NORTH

WATCHTOWER
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–	15 APR 09	REVIEW & APPROVAL

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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
EROSION & SEDIMENT CONTROL PLAN

PROJECT No.: PPAT0104

SHEET No.: CE101

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PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
DMSCALE: 600.00 DSQN_QRFT: KSW
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EXISTING
SOUTH PARKING
GARAGE

EXISTING
'B' RES

EXISTING
'D' RES

EXISTING
'F' RES

PROPOSED PASSENGER
PICK UP/DROPOFF

EXISTING
'A' RES

EXISTING
NORTH PARKING
GARAGE

EXISTING
RECREATION

EXISTING
'C' RES

SOUTH
SERVICES
ADDITION

EXISTING
SOUTH SERVICES
BUILDING

EXISTING
'E' RES

PROPOSED PASSENGER
PICK UP/DROPOFF

EXISTING
KITCHEN/
DINING ROOM

EXISITNG
SCHOOL

EXISTING
NORTH
SERVICES
BUILDING

EXISTING
AUDITORIUM

EXISTING
LOBBY

LOBBY ADDITION

VISITOR
SERVICES
BLDG

EXISTING
SOUTH OFFICE BUILDING

EX. SDMH
RIM
IE IN 606.0
IE OUT 606.0

LIMITS OF DISTURBANCE
(TYP.)

WATERCOURSE SETBACK

BUS PARKING

CURB INLET
PROTECTION (TYP)

SILT FENCE
(TYP)

VISITOR PARKING

WELL
HOUSE

EXISTING
PATH
INN

CONTINUATION
ON 1/CE107

CONTINUATION
ON 1/CE101

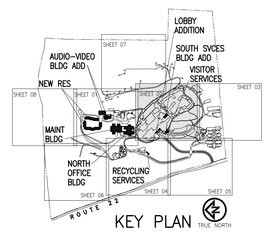
CONTINUATION
ON 1/CE103

CONTINUATION
ON 1/CE104

CONTINUATION
ON 1/CE105

1 PLAN – EROSION CONTROL

1"=50'
0 25 50 100



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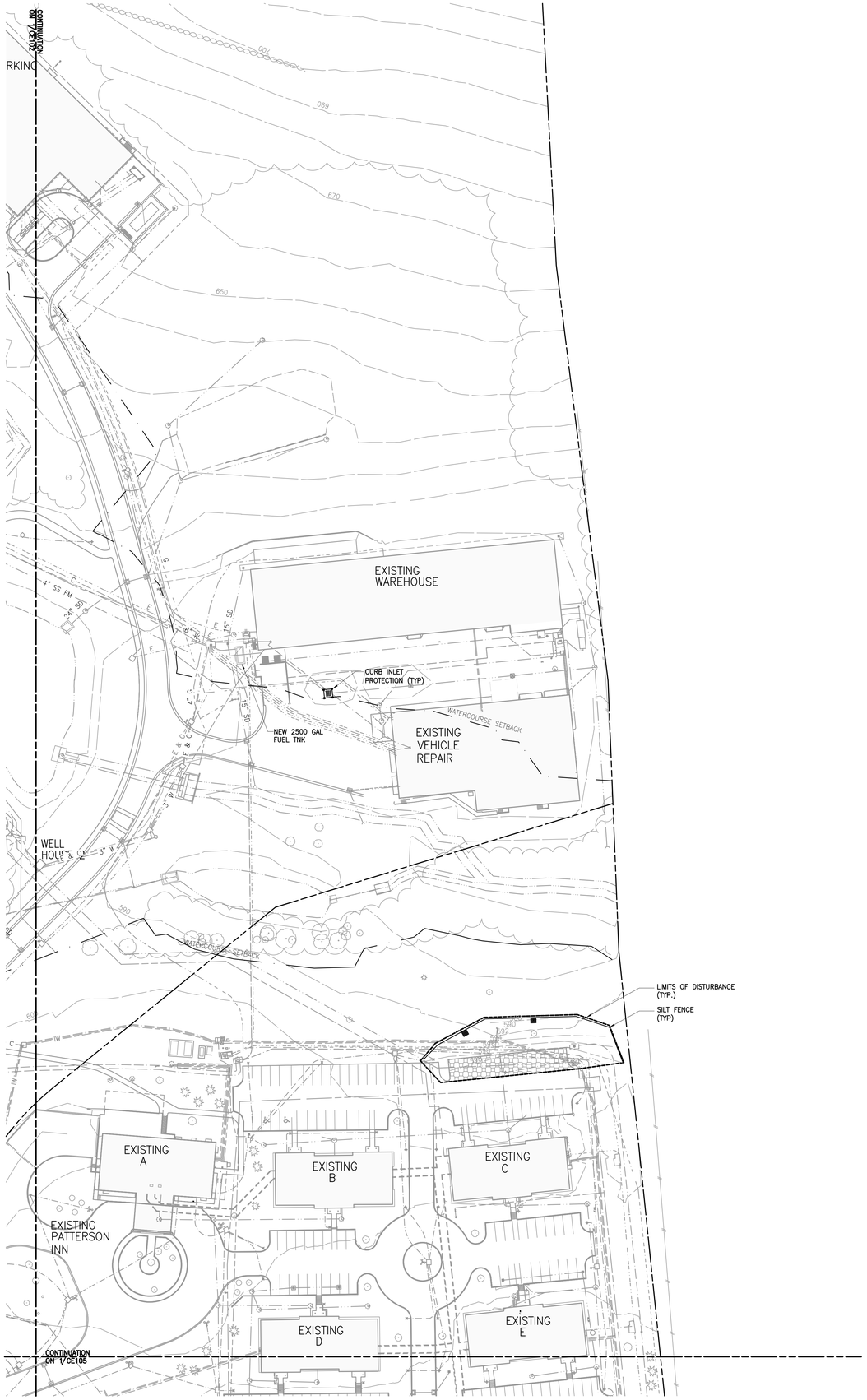
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
EROSION & SEDIMENT CONTROL PLAN

PROJECT No.
PPAT0104

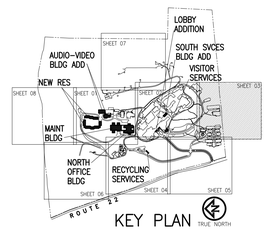
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CE102

PLOT DATE: 2 Aug 10 PLOTTED BY: Colby, Charmaine
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XREF: \X-Common\X Project Title-DEFAULT.E.USA
XREF: \PX-CG000
XREF: \PX-CE000



1 PLAN – EROSION CONTROL

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

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ACCOUNT No.

PROJECT TITLE:
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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
EROSION & SEDIMENT CONTROL PLAN

PROJECT No.
PPAT0104

SHEET No.
CE103

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PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
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CONTINUATION ON V:CE101

CONTINUATION ON V:CE102

CONTINUATION ON V:CE103

SILT FENCE (TYP)

EXISTING WASTEWATER FACILITY

EXISTING CHEMICAL STORAGE BUILDING

EXISTING BLOWER BUILDING

PUMP HOUSE

EXISTING LAB/STORAGE BUILDING

EXISTING TREATMENT UNIT #1

EXISTING TREATMENT UNIT #2

EXISTING FUEL SHED

EXISTING EMERG-GEN PUMP HOUSE

EXISTING CONTROL BLDG

DUAL SAND FILTERS

EXISTING MECH DEWATERING

CASCADE

IE 579.0

PHASE 1
TEMP DINING ROOM

TEMP CONSTR TRAILER
1-13'X72'

RECYCLING BLDG

BATCH PLANT

TEMP FUEL STATION

EXISTING CONCRETE TRUCK WASH

SETTLING TANK

WELL #4

EX MH
RIM 574.8

EX CB
RIM 572.4

EX MH
RIM 575.9

EX MH
RIM 572.9

EX MH
RIM 573.0

EX CB
RIM 569.5

SEDIMENT BASIN = SB-02, TEMPORARY.
CMAX DRAINAGE AREA = 13.00 AC
REQUIRED SURFACE AREA = 0.21 AC
REQUIRED VOLUME = 1,742 FT3
CONVERT TO PERMANENT POND IN FUTURE PHASE

24" RISER
IE 586.00

STORMWATER TREATMENT POND #2

CURB INLET PROTECTION (TYP)

EX CB
RIM 564.4

RETAINING WALL

EX CB
RIM 558.5

SILT FENCE (TYP)

LIMITS OF DISTURBANCE (TYP.)

TEMPORARY CONSTRUCTION ACCESS ROAD (TYP.)

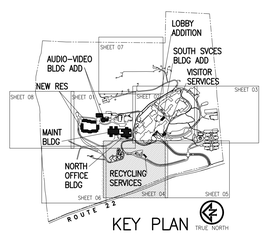
WATERCOURSE SETBACK

MOUNTAIN BROOK

ROUTE 22

1 PLAN – EROSION CONTROL

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

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ACCOUNT No.

PROJECT TITLE:
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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
EROSION & SEDIMENT CONTROL PLAN

PROJECT No.: PPAT0104

SHEET No.: CE104

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XREF: \PX-CS000

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CONTINUATION ON V:\CE102

CONTINUATION ON V:\CE103

FF 592.50

EXISTING F
FF 582.00

EXISTING G
FF 579.00

SILT FENCE (TYP)

CURB INLET PROTECTION (TYP)

LIMITS OF DISTURBANCE (TYP)

TEMPORARY CONSTRUCTION ACCESS ROAD (TYP.)

SILT FENCE (TYP)

ROUTE 22

1 PLAN – EROSION CONTROL

1"=50'
0 25 50 100

KEY PLAN
LOBBY ADDITION
SOUTH SVCES BLDG ADD
AUDIO-VIDEO BLDG ADD
VISITOR SERVICES
NEW RES
MAINT BLDG
NORTH OFFICE BLDG
RECYCLING SERVICES
SHEET 01
SHEET 02
SHEET 03
SHEET 04
SHEET 05
SHEET 06
SHEET 07
SHEET 08
ROUTE 22
TRUE NORTH

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PROJECT TITLE:
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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
EROSION & SEDIMENT CONTROL PLAN

PROJECT No.
PPAT0104

SHEET No.
CE105

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CONTINUATION ON 1/CE101

RESERVOIR

WATERCOURSE SETBACK

EXISTING PUMP HOUSE

WATERCOURSE SETBACK

FOR 8" WATER LINE NORTHWARD

WATERCOURSE SETBACK

PD

CHECK DAM (TYP)

ALTERNATE EXCESS SOIL DEPOSITION AREA – NORTH PASTURE

REFER TO SHEET CD-101 FOR CONSTRUCTION PHASING PLAN

SEDIMENT BASIN-SB-03, TEMPORARY.
CMAX DRAINAGE AREA = 12.27 AC
REQUIRED SURFACE AREA = 0.18 AC
REQUIRED VOLUME = 1,645 FT3

PERIMETER DIKE/SWALE (TYP)

RIP-RAP OUTLET PROTECTION (TYP)

WELL CONTROL HOUSE 1 (T525.91)

ROUTE 22

1"=50'
0 25 50 100

1 PLAN – EROSION CONTROL

KEY PLAN (TRUE NORTH)

LOBBY ADDITION
SOUTH SVCES BLDG ADD
VISITOR SERVICES
AUDIO-VIDEO BLDG ADD
NEW RES
MAINT BLDG
NORTH OFFICE BLDG
RECYCLING SERVICES
SHEET 01
SHEET 02
SHEET 03
SHEET 04
SHEET 05
SHEET 06
SHEET 07
ROUTE 22

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ACCOUNT No.

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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

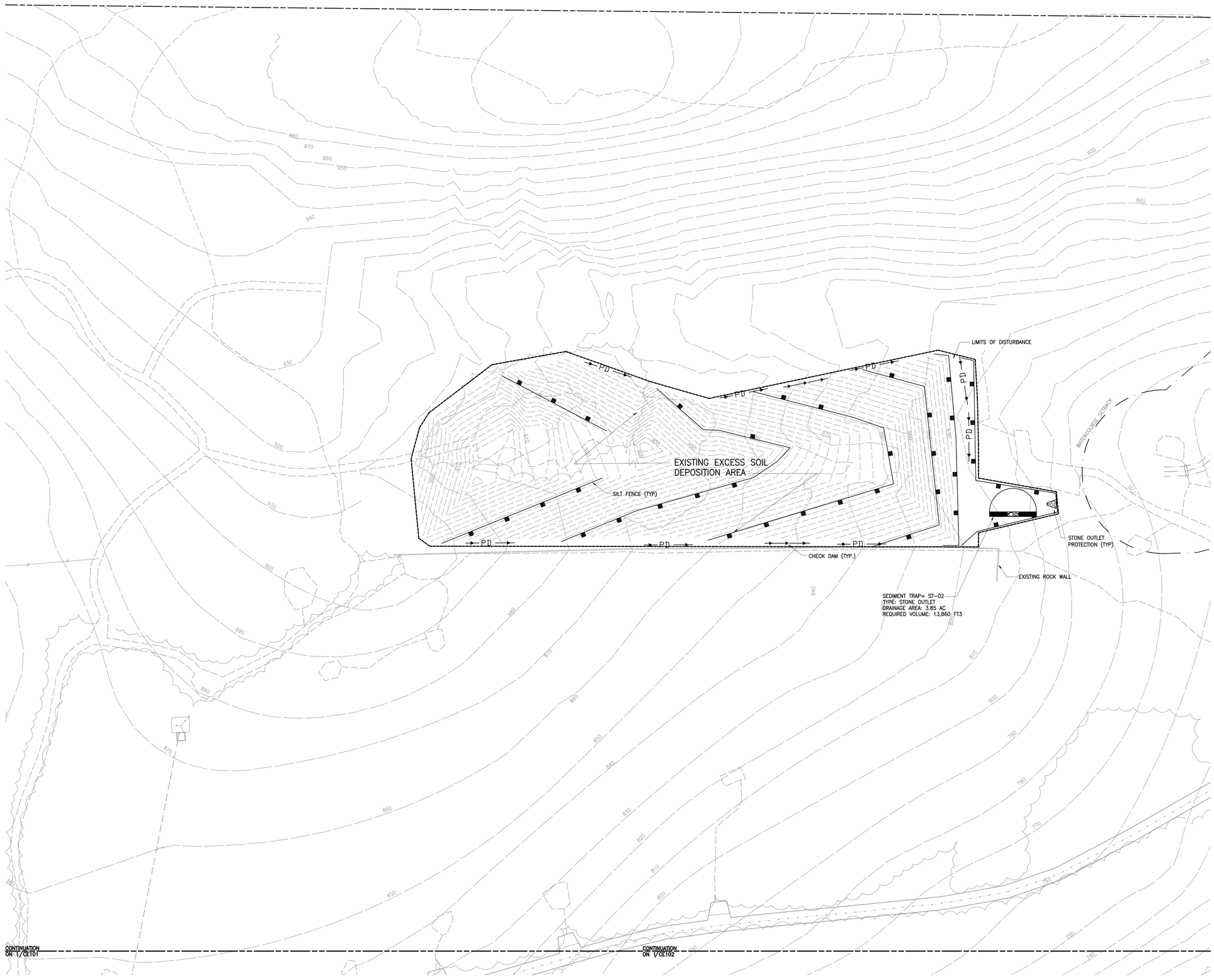
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PROJECT No.
PPAT0104

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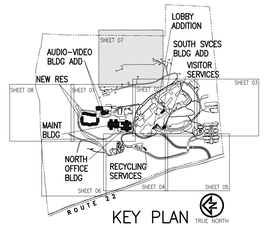
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1 PLAN – EROSION CONTROL

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

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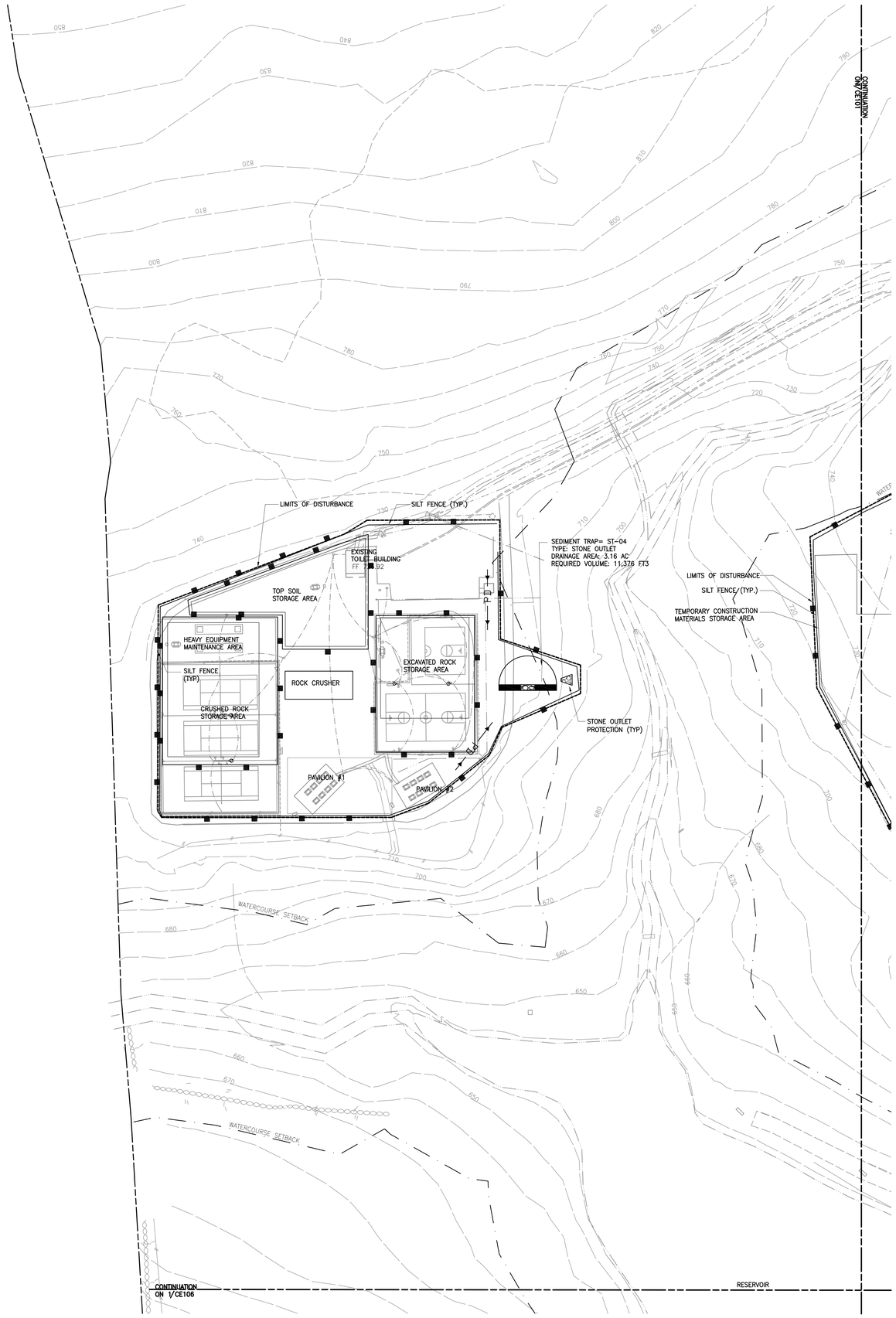
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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

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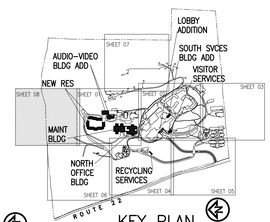
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PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
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1 PLAN – EROSION CONTROL

1"=50'
0 25 50 100



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ACCOUNT No.

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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
EROSION & SEDIMENT CONTROL PLAN

PROJECT No.
PPAT0104

SHEET No.
CE108

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CONTINUATION ON V CG107

CONTINUATION ON V CG102

EXISTING POTABLE WATER TANK

ROCK OUTCROP

EXISTING IRRIGATION WATER TANK

WATERCOURSE SETBACK

EX SDMH
RIM 747.8
IE IN 742.2
IE OUT 742.1
15" SD

EX SDMH
RIM 748.5
IE OUT 744.5

EX SDMH
RIM 746.5
IE IN 739.8
IE OUT
15" SD

EX SDMH
RIM 750.0
IE IN 741.1
IE OUT 740.9

REROUTE EXIST STORM DRAIN

PROPOSED PIPE SHALL BE DUCTILE IRON WITH FABRIC WRAPPED JOINTS

AUDIO-VIDEO BLDG ADDITION
GROUND FL = 733

EXISTING AUDIO-VIDEO BLDG
2ND FL 747.25
1ST FL 733.25
TUNNEL 723.33

AUDIO-VIDEO BLDG ADDITION
2ND FL = 747
1ST FL = 733
BASEMENT = 717
TUNNEL = 703

EXISTING WATER SOFTENING FACILITY
CONTROL ROOM
2ND FL 738.00
1ST FL 728.00
TANK FL 717.75
FF 728.00
FF 728.00

OFFICE
2ND FL= 730.00
1ST FL= 717.75

EXISTING POWERHOUSE
2ND FL 725.00
1ST FL 711.00
FF 718.58
FF 711.02

G RESIDENCE
4TH FL=771
3RD FL=761
2ND FL=751
1ST FL=741
BASEMENT=731
CELLAR = 721

H RESIDENCE
5TH FL=771
4TH FL=761
3RD FL=751
2ND FL=741
1ST FL=731
BASEMENT=721

BRIDGE/TUNNEL BELOW

REROUTE EXIST STORM DRAIN

RETAINING WALL

TUNNEL

GROUND FL 701.75

MAINTENANCE BUILDING
5TH FL = 726.25
4TH FL=714
3RD FL=701.75
2ND FL=689.5
1ST FL=677.25
BASEMENT=665 (DOCK LEVEL)
CELLAR1=654.5 (PARKING)
CELLAR2 =644 (PARKING)

NORTH OFFICE BUILDING
4TH FL=714
3RD FL=701.75
2ND FL=689.5
1ST FL=677.25
BASEMENT=665 (DOCK LEVEL)
CELLAR1=654.5 (PARKING)
CELLAR2 =644 (PARKING)

BRIDGE

STORMWATER TREATMENT POND #1

STORM PIPE END WALL(TYP.)

EX SDMH
RIM
IE IN 639.6
IE OUT 639.5

15' WIDE MAINT. RD

6' WIDE CART PATH W/ GUARD RAIL (TYP.)

EXISTING CHEMICAL STORAGE

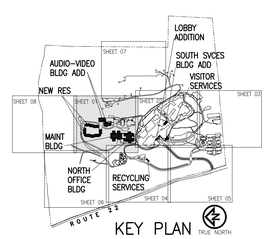
CONTINUATION ON V CG106

CONTINUATION ON V CG106

CONTINUATION ON V CG104

1 PLAN – GRADING & DRAINAGE

1"=50'
0 25 50 100



KEY PLAN

WATCHTOWER
BIBLE AND TRACT SOCIETY OF NEW YORK, INC
25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201 USA
PH: (718) 560-5000
FAX: (718) 560-8831

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CONSULTANT:

– 06 AUG 10 FILING
– 24 JUL 09 FILING
– 09 JUL 09 FILING
– 15 APR 09 REVIEW & APPROVAL

MARK:	DATE:	DESCRIPTION:

OWNER:
WATCHTOWER BIBLE & TRACT SOC. OF NY, INC.
25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

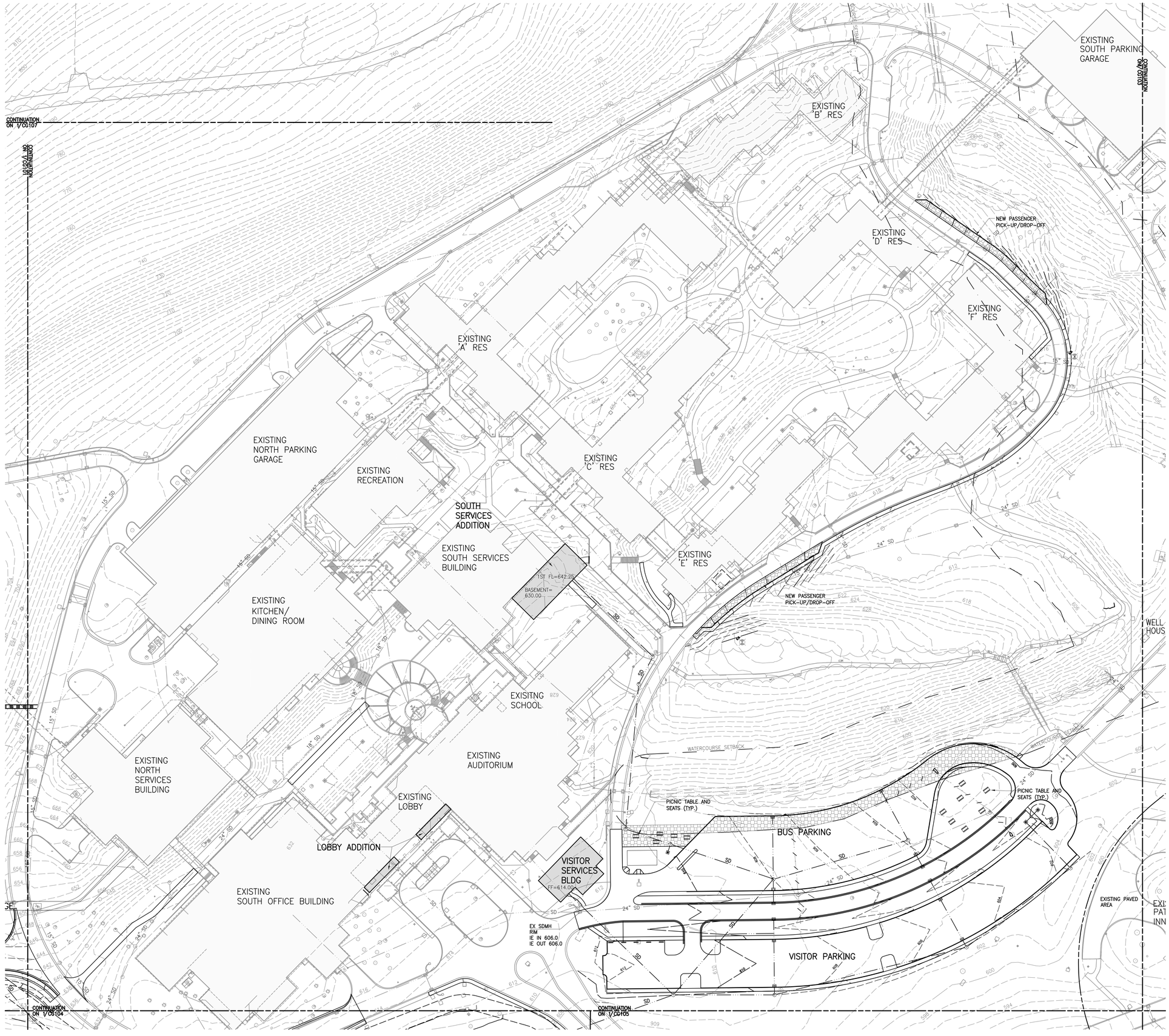
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GRADING & DRAINAGE PLAN

PROJECT No.
PPAT0104

SHEET No.
CG101

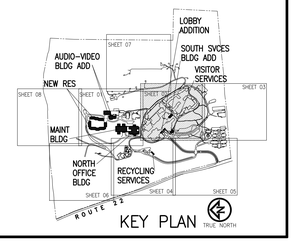
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PLOT DATE: 3 Aug 10 PLOTTED BY: Colley, Charmaine
DMSCALE: 600.00 DSGN\DRFT: KSW
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1 PLAN – GRADING & DRAINAGE

1"=50' 0 25 50 100



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–	06 AUG 10	FILING
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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
GRADING & DRAINAGE PLAN

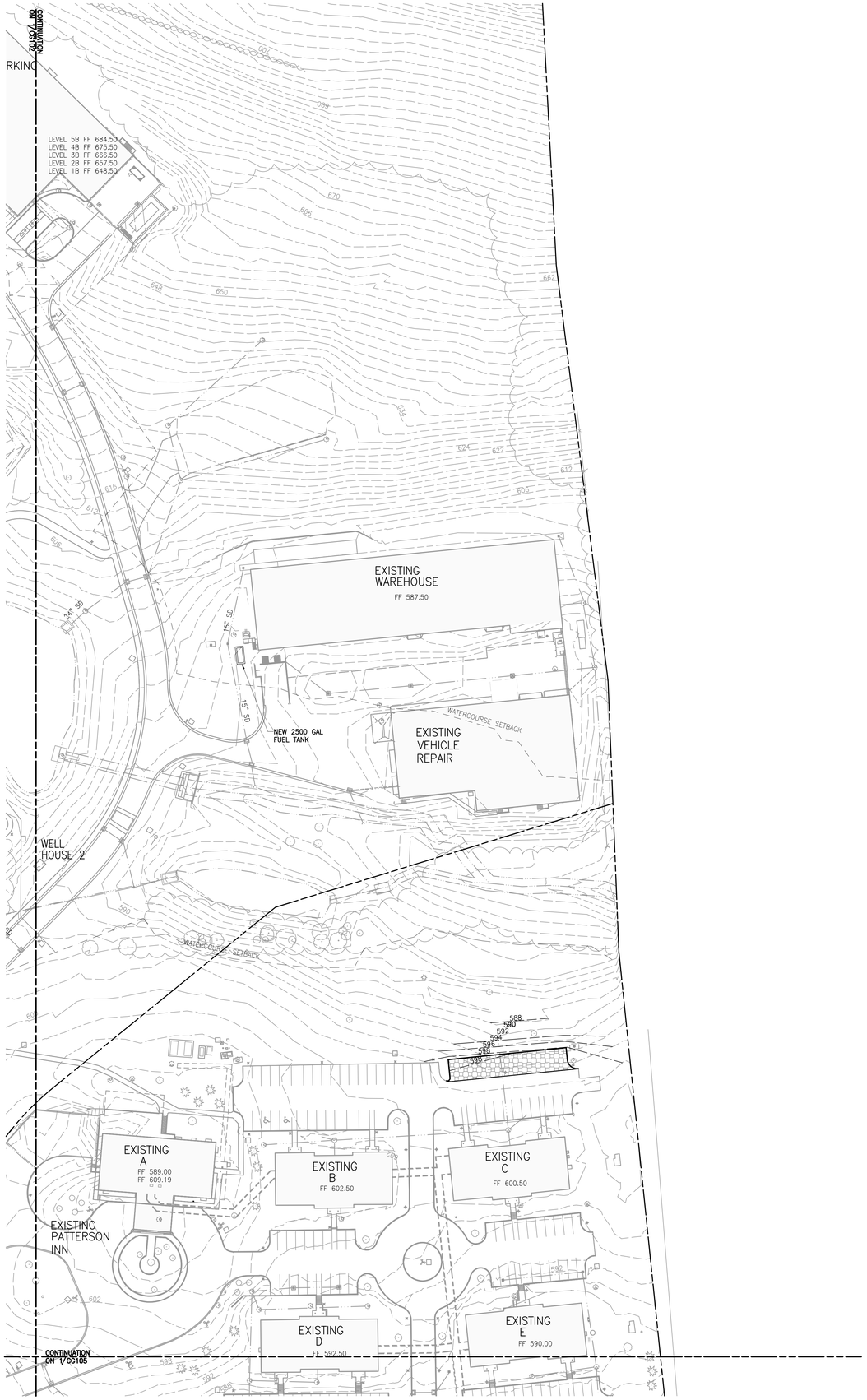
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PPAT0104

SHEET No.
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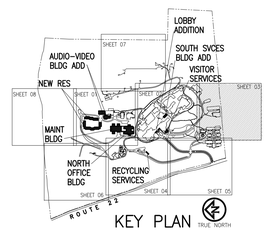
IMAGE
IMAGE
IMAGE
IMAGE
IMAGE
IMAGE

PLOTTED BY: Colley, Charmaine
DSGN/DRFT: KSW
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PLOT DATE: 2 Aug 10
DIMSCALE: 600.00



1 PLAN – GRADING & DRAINAGE

1"=50'



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BROOKLYN, NY 11201

ACCOUNT No.:

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
GRADING & DRAINAGE PLAN

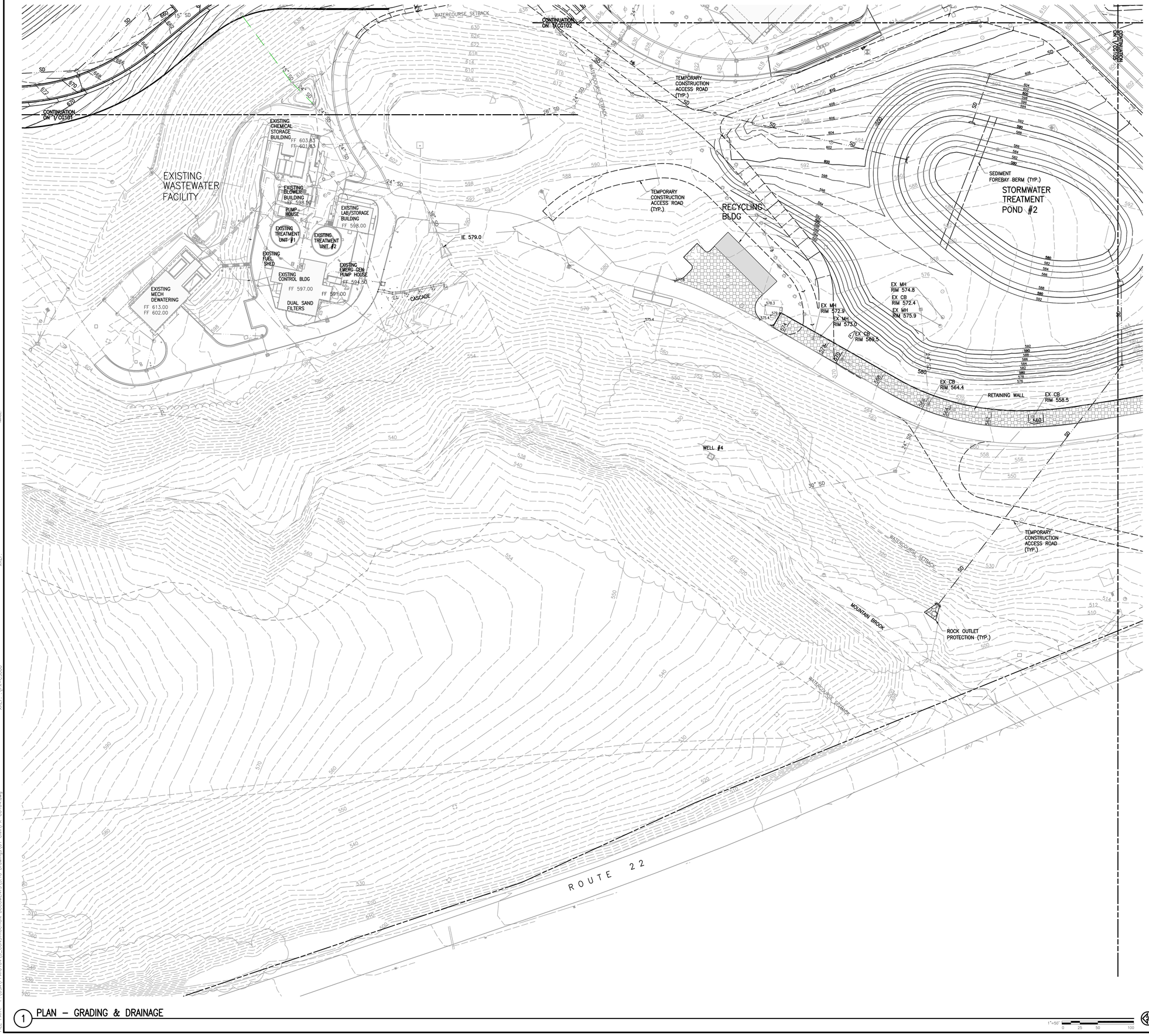
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SHEET No.
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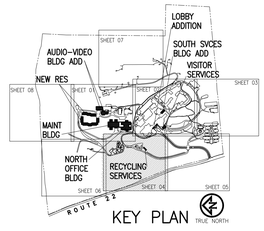
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1 PLAN – GRADING & DRAINAGE

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

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BROOKLYN, NY 11201 USA
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ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

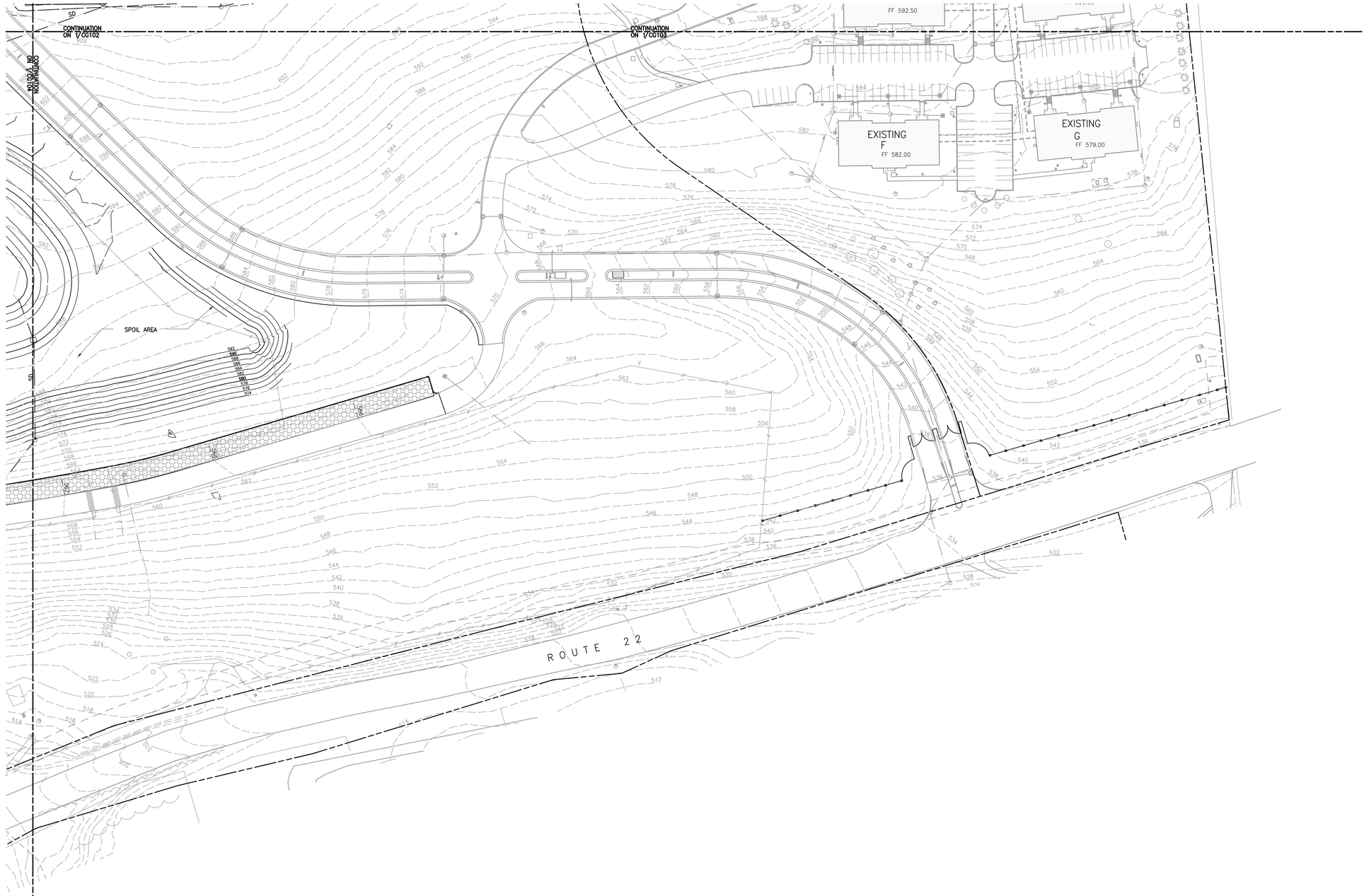
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GRADING & DRAINAGE PLAN

PROJECT No.
PPAT0104

SHEET No.
CG104

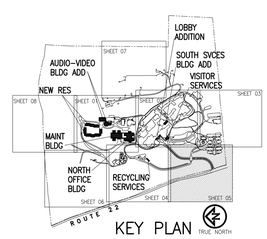
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1 PLAN – GRADING & DRAINAGE

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

XREF: \PX-CE000
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PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
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–	15 APR 09	REVIEW & APPROVAL

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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
GRADING & DRAINAGE PLAN

PROJECT No.
PPAT0104

SHEET NO.
CG105

CONTINUATION ON 1/CG101

RESERVOIR

RETAINING WALL

EXISTING PUMP HOUSE

WATERCOURSE SETBACK

ALTERNATE EXCESS SOIL DEPOSITION AREA – NORTH PASTURE

EXISTING GRAVEL ACCESS ROAD

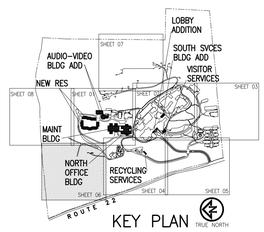
WELL CONTROL HOUSE
F.F.525.91

ROUTE 22

CONTINUATION ON 1/CG101

1 PLAN – GRADING & DRAINAGE

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

WATCHTOWER
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PROJECT TITLE:
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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

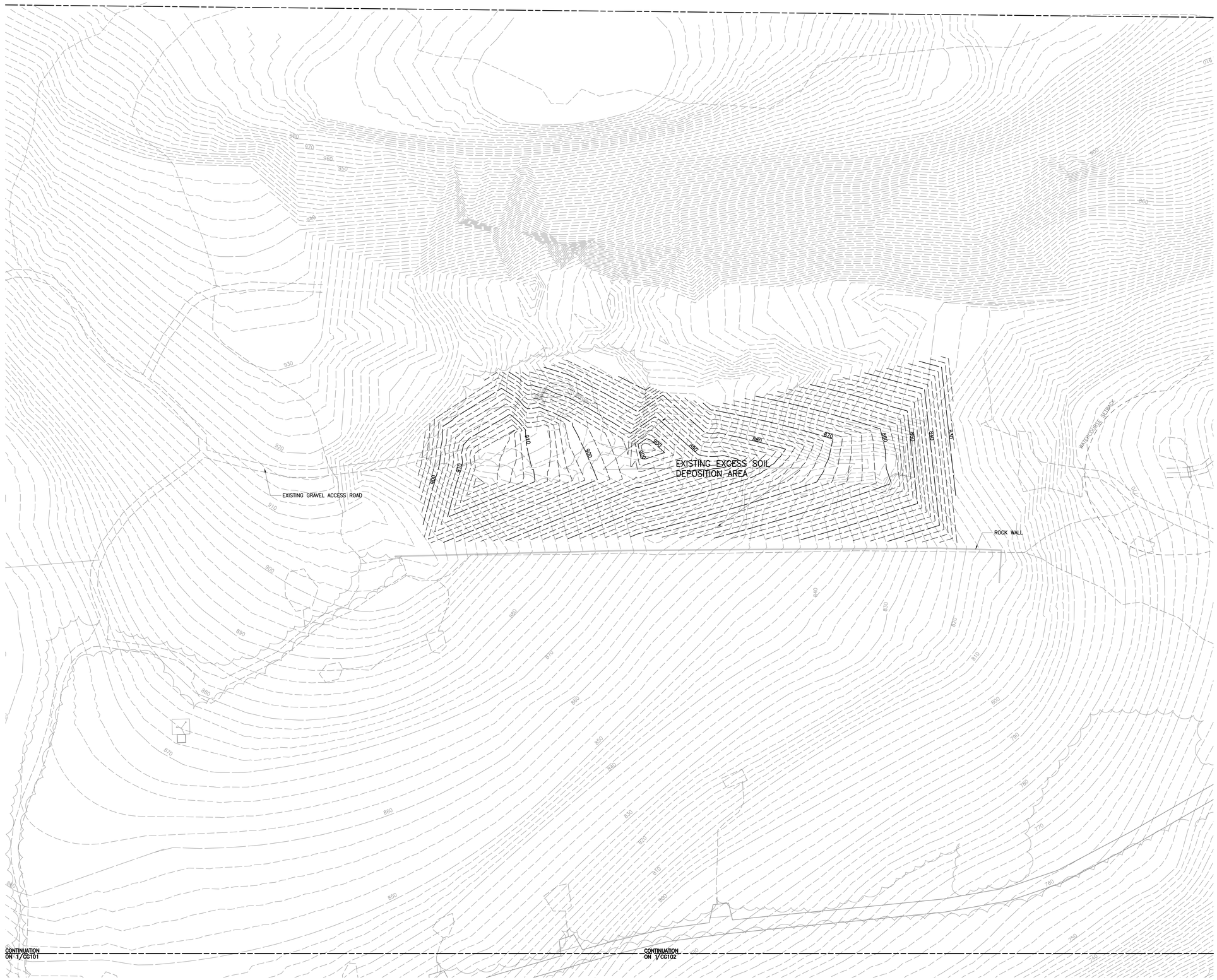
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GRADING & DRAINAGE PLAN

PROJECT No.
PPAT0104

SHEET No.
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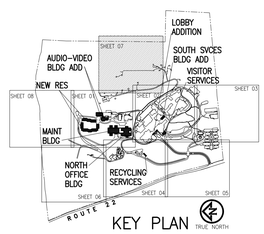
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1 PLAN – GRADING & DRAINAGE

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

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BROOKLYN, NY 11201 USA
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BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
GRADING & DRAINAGE PLAN

PROJECT No.
PPAT0104

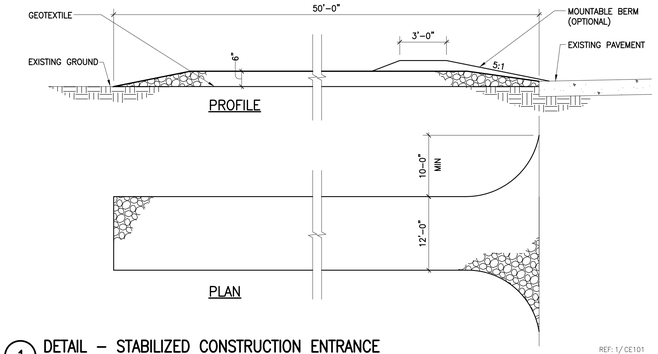
SHEET No.
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PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
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XREF: \PA-ES000

NOTES:

1. STONE SIZE – USE 1–4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET.
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY–FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL 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 SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



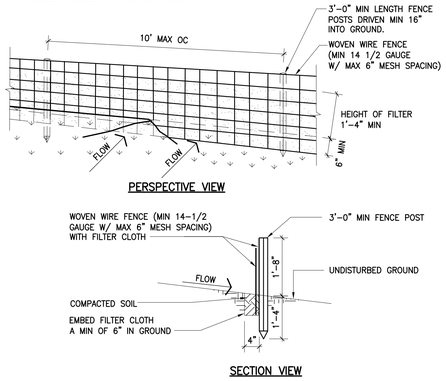
1 DETAIL – STABILIZED CONSTRUCTION ENTRANCE

REF: 1/CE101

NOT TO SCALE

NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL 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 SHALL BE WOVEN WIRE, 12–1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER–LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



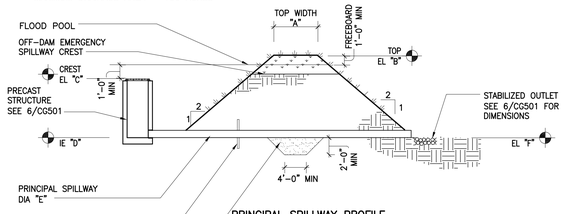
2 DETAIL – SILT FENCE

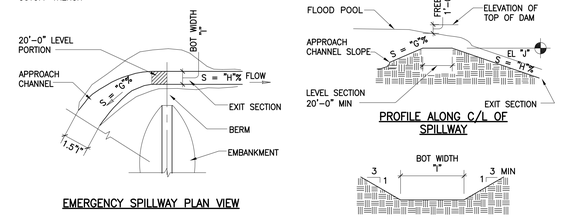
REF: 1/CE101

NOT TO SCALE

NOTE:

MAXIMUM DRAINAGE AREA = 100 ACRES





SEDIMENT BASIN	DIMENSIONS/ELEVATIONS									
	A	B	C	D	E	F	G	H	I	J
SB–1 (Pond #1)	15'	700'	*	692'	30"	N/A	N/A	N/A	N/A	
SB–2 (Pond #2)	15'	589'	*	579'	30"	N/A	N/A	N/A	N/A	
SB–3 (North Pasture)	10'	635'	632'	629'	12"	622'	4	5	3.5'	633'

* SB–1 and SB–2 will be designed to convey the 100–yr storm event through principal spillway therefore no emergency spillway provided.

3 DETAIL – SEDIMENT BASIN

NOT TO SCALE

NOTES:

1. ALL DIKES SHALL BE COMPACTED BY EARTH–MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINGAE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABLIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE ARE ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

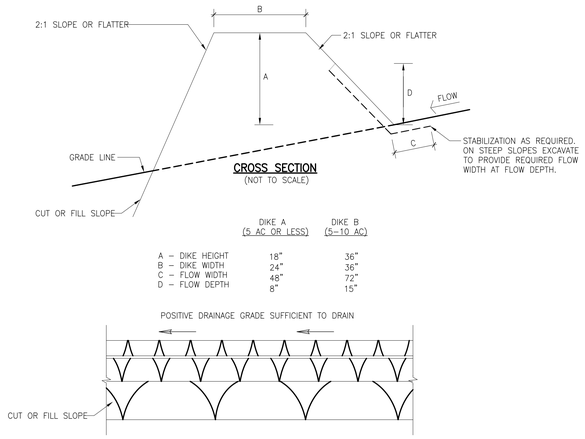
TYPE OF TREATMENT	TYPE OF GRADE	DIKE A	DIKE B
1	0.5 – 3.0 %	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1 – 5.0 %	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELSIOR; SOD; 2" STONE
3	5.1 – 8.0 %	SED WITH JUTE, OR SOD; 2" STONE	LINED RIP–RAP 4–8"
4	8.1 – 20.0%	LINED RIP–RAP 4–8"	ENGINEERING DESIGN

A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRSSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.

B. RIP–RAP TO BE 4–8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.

C. APPROVED EQUIVALENTSCAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.

7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



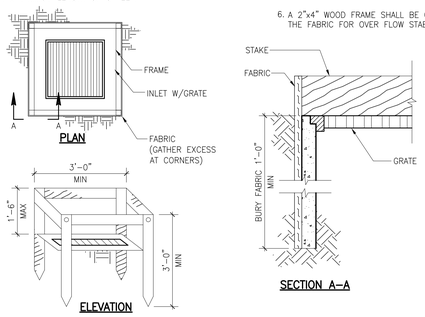
4 DETAIL – EARTH DIKE

REF: 1/CE101

NOT TO SCALE

NOTES:

1. FILTER FABRIC SHALL HAVE AN EFFECTIVE OPENING SIZE (EOS) OF 40–85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" X 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUN BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.



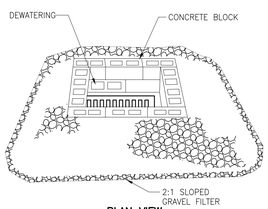
5 DETAIL – FABRIC DROP INLET PRTECTION

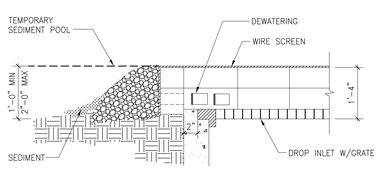
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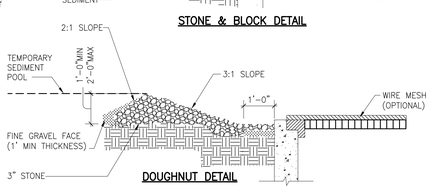
NOT TO SCALE

NOTES:

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR ½" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL ½" TO ¾" IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.



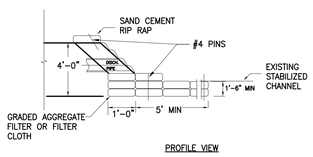


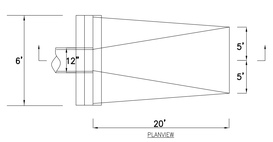


6 DETAIL – STONE & BLOCK DROP INLET PROTECTION

REF: 1/CE101

NOT TO SCALE

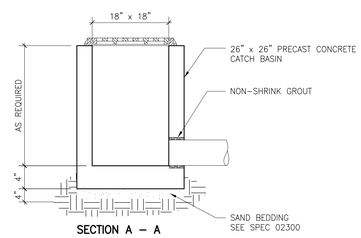




7 DETAIL – SEDIMENT BASIN SAND CEMENT PIPE OUTFALL

REF: 1/CE101

NOT TO SCALE



8 DETAIL – 18" x 18" SEDIMENT BASIN CONTROL STRUCTURE

REF: 1/CE101

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–	06 AUG 10	FILING
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OWNER:
WATCHTOWER BIBLE & TRACT SOC. OF NY, INC.
25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
EROSION CONTROL DETAILS

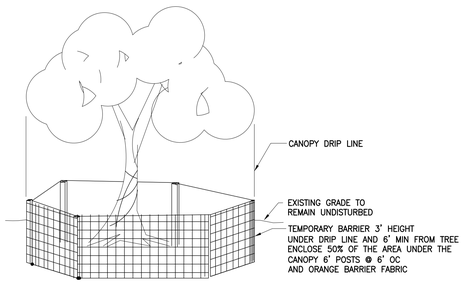
PROJECT No.
PPAT0104

SHEET No.
CG501

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PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
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NOTES:

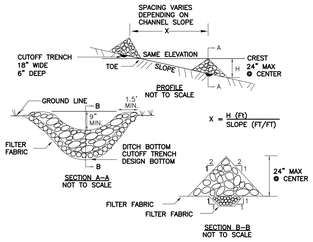
1. VEGETATION PROTECTION SHALL BE REPAIRED AS NECESSARY.
2. AT THE END OF CONSTRUCTION ALL PROTECTION SHALL BE REMOVED.
3. INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.



1 DETAIL – EXISTING VEGETATION PROTECTION

REF: 1/CE101

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CONSTRUCTION SPECIFICATIONS

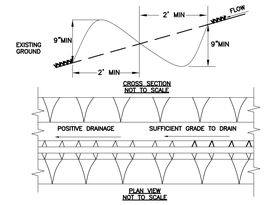
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

MAXIMUM DRAINAGE AREA 2 ACRES.

2 DETAIL – CHECK DAM

REF: 1/CE101

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

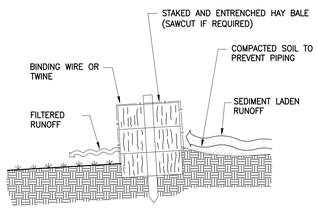
1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATIONS FOR TEMPORARY SEEDING AND MULCHING, AND SHALL BE DONE WITHIN 10 DAYS.
6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

MAX. DRAINAGE AREA LIMIT: 2 ACRES

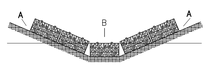
3 DETAIL – PERIMETER DIKE / SWALE

REF: 1/CE101

NOT TO SCALE



CROSS-SECTION OF A PROPERLY INSTALLED HAY BALE



POINTS 'A' SHOULD BE HIGHER THAN POINT 'B'

PROPER PLACEMENT OF HAY BALE BARRIER IN DRAINAGE WAY

NOTES:
1. EXCAVATE THE TRENCH
2. PLACE AND STAKE HAY BALES
3. WEDGE LOOSE STRAW BETWEEN BALES
4. BACK FILL AND COMPACT THE EXCAVATED SOIL

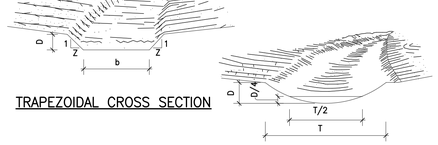
4 DETAIL – HAYBALE BARRIER

REF: 1/CE101

NOT TO SCALE

NOTES:

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE WATERWAY.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
5. STABILIZE WITH SEEDING PROTECTED BY JUTE OR EXCELSIOR MATTING.



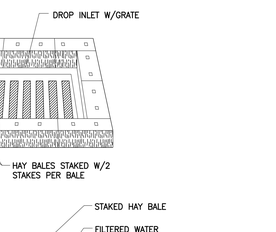
TRAPEZOIDAL CROSS SECTION

PARABOLIC CROSS SECTION

5 DETAIL – GRASSED WATERWAY

REF: 1/CE101

NOT TO SCALE



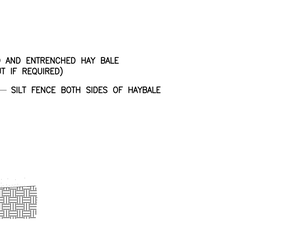
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5%) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS ALONG ROADWAYS

6 DETAIL – HAY BALE DROP INLET PROTECTION

REF: 1/CE101

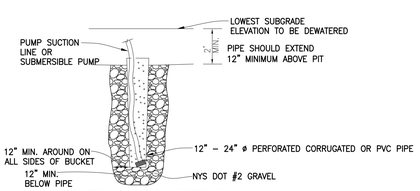
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7 DETAIL – WETLAND PROTECTION BARRIER

REF: 1/CE101

NOT TO SCALE



DEWATERING SUMP FOR SUBMERSED PUMP

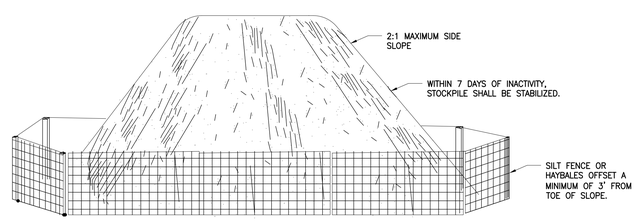
DEWATERING INSTALLATION NOTES

1. THE CONTRACTOR SHALL PROVIDE, OPERATE, AND MAINTAIN DEWATERING SYSTEMS OF SUFFICIENT SIZE AND CAPACITY TO PERMIT EXCAVATION AND SUBSEQUENT CONSTRUCTION IN DRY CONDITIONS AND TO LOWER AND MAINTAIN THE GROUNDWATER LEVEL A MINIMUM OF 2-FEET BELOW THE LOWEST POINT OF EXCAVATION AND CONTINUOUSLY MAINTAIN EXCAVATIONS FREE OF WATER UNTIL BACK-FILLED TO FINAL GRADE.

8 DETAIL – DEWATERING SUMP PIT

REF: 1/CE101

NOT TO SCALE



INSTALLATION NOTES

1. STOCKPILING SHALL ONLY BE LOCATED AS SHOWN ON APPROVED EROSION AND SEDIMENT CONTROL DRAWINGS.
2. MAXIMUM SLOPE SHALL BE 2:1.
3. EXPOSED SOIL SHALL BE STABILIZED BY SEED, MULCH, OR OTHER APPROVED MEASURES, WHEN ACITIVITES TEMPORARILY CEASE DURING CONSTRUCTION FOR 7 DAYS OR MORE, IN ACCORDANCE WITH NYSDEC REQUIREMENTS
4. STOCKPILE SHALL BE PROTECTED FROM CONCENTRATED FLOWS BY PLACING TEMPORARY PERIMETER SEDIMENT BARRIERS UP SLOPE OF STOCK PILE.
5. WIND EROSION CONTROL PRACTICES SHALL BE USED AS APPROPRIATE.

9 DETAIL – SOIL STOCKPILE

REF: 1/CE101

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WATCHTOWER
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BROOKLYN, NY 11201

ACCOUNT No.

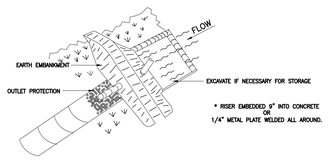
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

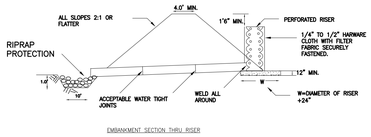
SHEET TITLE:
EROSION CONTROL DETAILS

PROJECT No.
PPAT0104

SHEET No.
CG502

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PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
DIMSCALE: 1.0000 DGN\DRFT:
FILE PATH: P:\DGN\PPAT0104\3_CONSTRUCTION\ DOCUMENTS\3.10 Drawings\01 Civil\PA-CG502.dwg





EMBANKMENT SECTION THRU RISER

SIZES OF PIPE NEEDED:

BARREL DIAMETER: _____

RISER DIAMETER: _____

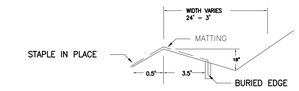
NOTE:
CONSTRUCTION SPECIFICATION SHOULD BE ATTACHED TO THIS DETAIL TO COMPLETE DESIGN.

MAXIMUM DRAINAGE AREA: 5 ACRES

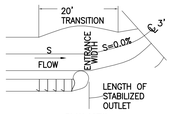
1 DETAIL –PIPE OUTLET SEDIMENT TRAP

REF: 1/CE101

NOT TO SCALE



CROSS SECTION
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

Q(cfs)	E.W.(ft)	D(ft)	LENGTH(ft)
0–10	10	0.5	10
10–20	16	0.6	20
20–30	24	0.7	30

CONSTRUCTION SPECIFICATIONS

1. THE MATTING SHOULD BE A MINIMUM OF 4FT. WIDE EXTENDING 6 INCHES OVER THE LIP AND BURIED 6 INCHES DEEP IN A VERTICAL TRENCH ON THE LOWER EDGE. THE UPPER EDGE SHOULD BUTT AGAINST SMOOTHLY CUT SOD AND BE SECURELY HELD IN PLACE WITH CLOSELY SPACED HEAVY DUTY WIRE STAPLES AT LEAST 12 INCHES IN LENGTH.
2. ENSURE THAT THE LIP IS LEVEL TO UNIFORMLY SPREAD DISCHARGE.
3. THE LIP SHALL BE CONSTRUCTED ON UNDISTURBED SOIL NOT FILL.
4. A 20 FOOT TRANSITION SECTION WILL BE CONSTRUCTED FROM THE DIVERSION CHANNEL TO THE SPREADER TO SMOOTHLY BLEND THE DIFFERENT DIMENSION AND GRADES.
5. THE RUNOFF DISCHARGE WILL BE OUTLETED ONTO A STABILIZED VEGETATED SLOPE NOT EXCEEDING 10%.
6. SEED AND MULCH THE DISTURBED AREA IMMEDIATELY AFTER CONSTRUCTION.

2 DETAIL – LEVEL SPREADER

REF: 1/CE101

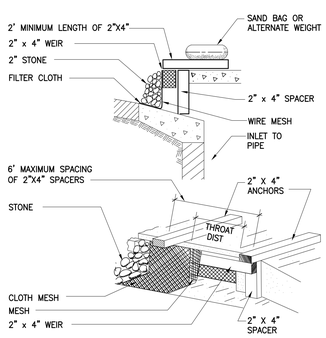
NOT TO SCALE

STANDARD AND SPECIFICATIONS FOR TEMPORARY CRITICAL AREA PLANTINGS

1. TEMPORARY SEEDINGS MAY BE NECESSARY TO PROTECT AREAS WHERE FINAL GRADING IS COMPLETE, OR WHEN AREA WILL BE EXPOSED FOR MORE THAN 7 DAYS, OR TO PROVIDE COVER WHEN PERMANENT SEEDINGS ARE LIKELY TO FAIL (MID–SUMMER OR DROUGHT).
2. AREA TO BE SEEDED SHALL BE ROUGH GRADED AND SLOPES STABLE.
3. SEEDBED MUST BE SEEDED WITHIN 24 HRS OF DISTURBANCE OR SCARIFICATION OF THE SOIL SURFACE WILL BE NECESSARY PRIOR TO SEEDING.
4. IF SPRING, SUMMER OR EARLY FALL, THEN SEED THE AREA WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS PER ACRE OR APPROXIMATELY 1 LB/ 1,000 SF
5. IF LATE FALL OR EARLY WINTER, SEED THE AREA WITH CERTIFIED AROOSTOOK' WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE OR APPROXIMATELY 2.5 LB / 1,000 SF)
6. MULCH THE AREA WITH HAY OR STRAW AT 2 TONS/ ACRE OR APPROXIMATELY 90 LB./1,000 SF
7. WHERE WIND OR AREAS OF CONCENTRATED WATER ARE A CONCERN, MULCH ANCHORING WILL BE REQUIRED.
8. WOOD FIBER HYDROMULCH MAY BE USED IF APPLIED TO MANUFACTURER'S SPECIFICATION.

NOTES:

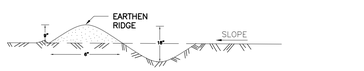
1. FILTER FABRIC SHALL HAVE AN EOS OF 40–85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER.
3. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" x 4" WEIR.
4. THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.
6. MAXIMUM DRAINAGE AREA 1 ACRE



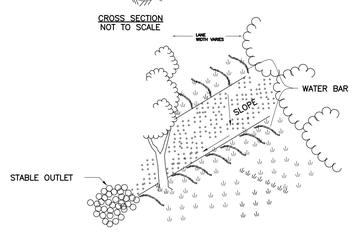
3 DETAIL – CURB DROP INLET PROTECTION

REF: 1/CE101

NOT TO SCALE



CROSS SECTION
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. INSTALL THE WATER BAR AS SOON AS THE RIGHT OF WAY IS CLEARED AND GRADED.
2. DISK OR STRIP THE SOD FROM THE BASE FOR THE CONSTRUCTED RIDGE BEFORE PLACING FILL.
3. TRACK THE RIDGE TO COMPACT IT TO THE DESIGN CROSS SECTION.
4. THE OUTLET SHALL BE LOCATED ON AN UNDISTURBED AREA. FIELD SPACING WILL BE ADJUSTED TO USE THE MOST STABLE OUTLET AREAS. OUTLET PROTECTION WILL BE PROVIDED WHEN NATURAL AREAS ARE NOT ADEQUATE.
5. VEHICLE CROSSING SHALL BE STABILIZED WITH GRAVEL. EXPOSED AREAS SHALL BE IMMEDIATELY SEEDED AND MULCHED.
6. PERIODICALLY INSPECT WATER BARS FOR EROSION DAMAGE AND SEDIMENT. CHECK OUTLET AREAS AND MAKE REPAIRS AS NEEDED TO RESTORE OPERATION.

4 DETAIL – WATER BAR

REF: 1/CE101

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PATTERSON, NY 12563

SHEET TITLE:
EROSION CONTROL DETAILS

PROJECT No.
PPAT0104

SHEET No.
CG503

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DIMSCALE: 1.0000 DSGN\DRFT: HC
FILE PATH: P:\USA\PPAT0104\3.CONSTRUCTION DOCUMENTS\3.10 Drawings\01 Civil\PV-CG503.dwg

CONTINUATION ON V/CS107

CONTINUATION ON V/CS102

EXISTING POTABLE WATER TANK

ROCK OUTCROP

EXISTING IRRIGATION WATER TANK

ROCK OUTCROP

WATERCOURSE SETBACK

16 -10' X 20' SPACES

PARKING

20' 25' 20'

5'

5' SIDEWALK

20' ROADWAY

50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 100+00 101+00 102+00 103+00 103+69

R=50' R=200' R=15' R=27' R=75' R=12' R=25' R=205' R=100' R=300'

10 -10' X 20' SPACES

20' WIDE ROADWAY

26' 20'

18+00 17+00 16+00 15+00 14+00 13+00 12+00 11+00 10+00 9+00 8+00 7+00 6+00 5+00 4+00 3+00 2+00 1+00 0+00

PARKING

5' SIDEWALK

R=15'

TUNNEL

10' SIDEWALK

G RESIDENCE
4TH FL=771
3RD FL=761
2ND FL=751
1ST FL=741
BASEMENT=731
CELLAR = 721

H RESIDENCE
5TH FL=771
4TH FL=761
3RD FL=751
2ND FL=741
1ST FL=731
BASEMENT=721

AUDIO-VIDEO BLDG ADDITION
GROUND FL = 733

EXISTING AUDIO-VIDEO BLDG
2ND FL 747.25
1ST FL 733.25
TUNNEL 723.33

3-10' X 20' SPACES

PARKING

32' TRUCK DOCK

AUDIO-VIDEO BLDG ADDITION
2ND FL = 747
1ST FL = 733
BASEMENT = 717
TUNNEL = 703

8-10' X 20' SPACES

20'

PARKING 26'

3-10' X 20' SPACES

PARKING

49' TRUCK DOCK

28'

RETAINING WALL

EXISTING WATER SOFTENING FACILITY
FF 728.00
CONTROL ROOM
2ND FL 738.00
1ST FL 728.00
TANK FL 717.75

OFFICE
2ND FL= 730.00
1ST FL= 717.75

FF 718.58 FF 711.02+

EXISTING POWERHOUSE
2ND FL 725.00
1ST FL 711.00

26' WIDE ROADWAY

25' PARKING

12-10' X 20' SPACES

20'

MAINTENANCE BUILDING
5TH FL = 726.25
4TH FL=714
3RD FL=701.75
2ND FL=689.5
1ST FL=677.25
BASEMENT=665 (DOCK LEVEL)
CELLAR1=654.5 (PARKING)
CELLAR2 =644 (PARKING)

NORTH OFFICE BUILDING
4TH FL=714
3RD FL=701.75
2ND FL=689.5
1ST FL=677.25
BASEMENT=665 (DOCK LEVEL)
CELLAR1=654.5 (PARKING)
CELLAR2 =644 (PARKING)

BRIDGE/TUNNEL BELOW

BRIDGE

15 -10' X 20' SPACES

PARKING 20' 25' 20'

62' TRUCK DOCK

25' DRIVE

20' DRIVE R=50'

20' ROADWAY

STORMWATER TREATMENT POND #1

16' WIDE 20' WIDE ROADWAY

6' WIDE CONC CART PATH WITH GUARDRAIL.

EXISTING CHEMICAL STORAGE

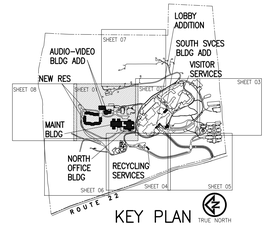
CONTINUATION ON V/CS106

CONTINUATION ON V/CS106

CONTINUATION ON V/CS104

1"=50'
0 25 50 100

1 PLAN - LAYOUT



KEY PLAN TRUE NORTH

WATCHTOWER
BIBLE AND TRACT SOCIETY OF NEW YORK, INC
25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201 USA
PH: (718) 560-5000
FAX: (718) 560-8831

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CONSULTANT:

MARK:	DATE:	DESCRIPTION:
–	06 AUG 10	FILING
–	09 JUL 09	FILING
–	15 APR 09	REVIEW & APPROVAL

OWNER:
WATCHTOWER BIBLE & TRACT SOC. OF NY, INC.
25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LAYOUT PLAN

PROJECT No.:
PPAT0104

SHEET No.
CS101

XREF: \PX-CS000
XREF: \Common\X Key Plan-DEFAULT.E.USA
XREF: \PX-CE000
XREF: \Common\X Project Title-DEFAULT.E.USA
XREF: \PX-CS000

PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
DMSCALE: 600.00 DSQN,QRFT: KSW
FILE PATH: P:\CSA\PPAT0104\1_CONSTRUCTION DOCUMENTS\3.10 Drawings\01 Civil\PX-CS101.dwg

CONTINUATION ON 1/CS107

CONTINUATION ON 1/CS101

EXISTING 'B' RES

EXISTING SOUTH PARKING GARAGE

CONTINUATION ON 1/CS103

PASSENGER PICK-UP/DROP-OFF

"TURFSTONE" PERMEABLE PAVEMENT

EXISTING 'D' RES

10.00

5.00

EXISTING 'F' RES

CONCRETE SIDEWALK

EXISTING 'A' RES

EXISTING NORTH PARKING GARAGE

EXISTING RECREATION

EXISTING 'C' RES

SOUTH SERVICES ADDITION

EXISTING SOUTH SERVICES BUILDING

1ST FL=642.25

BASEMENT= 630.00

NEW SIDEWALK

EXISTING 'E' RES

CONCRETE SIDEWALK

"TURFSTONE" PERMEABLE PAVEMENT

PASSENGER PICK-UP

6.00

4.00

EXISTING KITCHEN/ DINING ROOM

EXISITNG SCHOOL

CONCRETE SIDEWALK

8.00

EXISTING NORTH SERVICES BUILDING

EXISTING AUDITORIUM

EXISTING LOBBY

LOBBY ADDITION

VISITOR SERVICES BLDG

FF=614.00

EXISTING SOUTH OFFICE BUILDING

WATERCOURSE SETBACK

R=100'

R=50'

19 -12' X 56' SPACES

5' SIDWALK

R=25'

R=20'

HATCHED PAVEMENT TO BE REMOVED

"TURFSTONE" PERMEABLE PAVEMENT

BUS PARKING

BUS LOADING

CONCRETE PARKING

100.00

17.64

21.00

CONCRETE LOOP ROAD

5' SIDWALK

R=15'

CONCRETE PARKING AREA

VISITOR PARKING

92.00

126 -10' X 20' SPACES

5.00

CONCRETE SIDEWALK

8.00

0+00

CONTINUATION ON 1/CS104

CONCRETE SIDEWALK

CONTINUATION ON 1/CS105

WELL HOUS

EXI PAT INN

1 PLAN – LAYOUT

1"=50'

0 25 50 100

KEY PLAN

LOBBY ADDITION

SOUTH SVCES BLDG ADD

AUDIO-VIDEO BLDG ADD

VISITOR SERVICES

NEW RES

MAINT BLDG

NORTH OFFICE BLDG

RECYCLING SERVICES

ROUTE 22

SHEET 01 SHEET 02 SHEET 03 SHEET 04 SHEET 05 SHEET 06 SHEET 07 SHEET 08

TRUE NORTH

WATCHTOWER
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25 COLUMBIA HEIGHTS
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BROOKLYN, NY 11201

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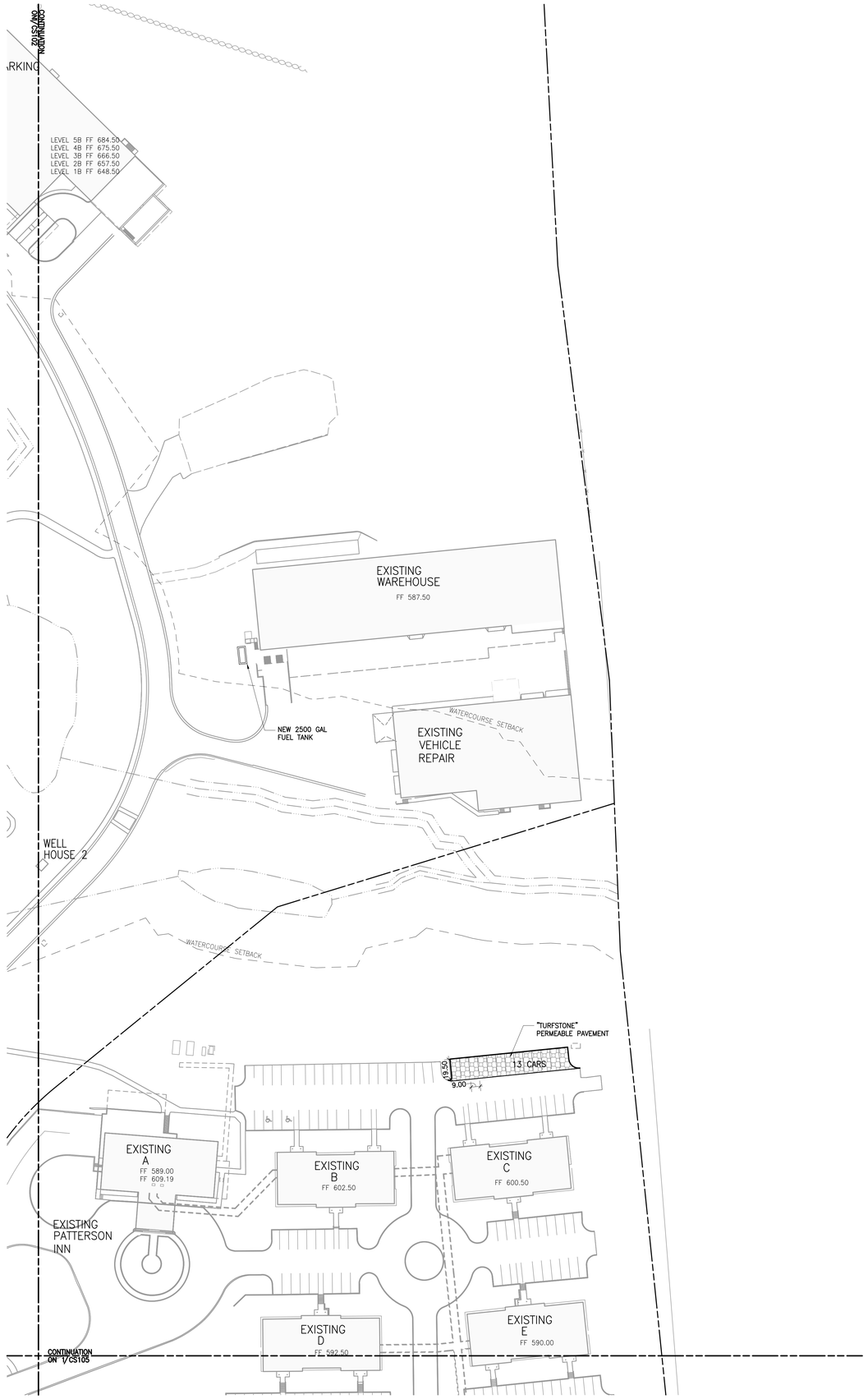
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LAYOUT PLAN

PROJECT No.
PPAT0104

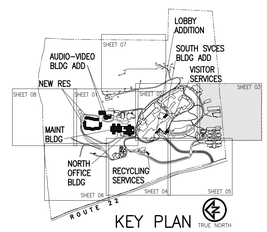
SHEET No.
CS102

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PLOTTED BY: Colley, Charmaine
DSGN\DRFT: KSW
PLOT DATE: 2 Aug 10
DWGSCALE: 600.00
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1 PLAN – LAYOUT

1"=50'
0 25 50 100



KEY PLAN

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FAX: (718) 560-8831
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BROOKLYN, NY 11201

ACCOUNT No.

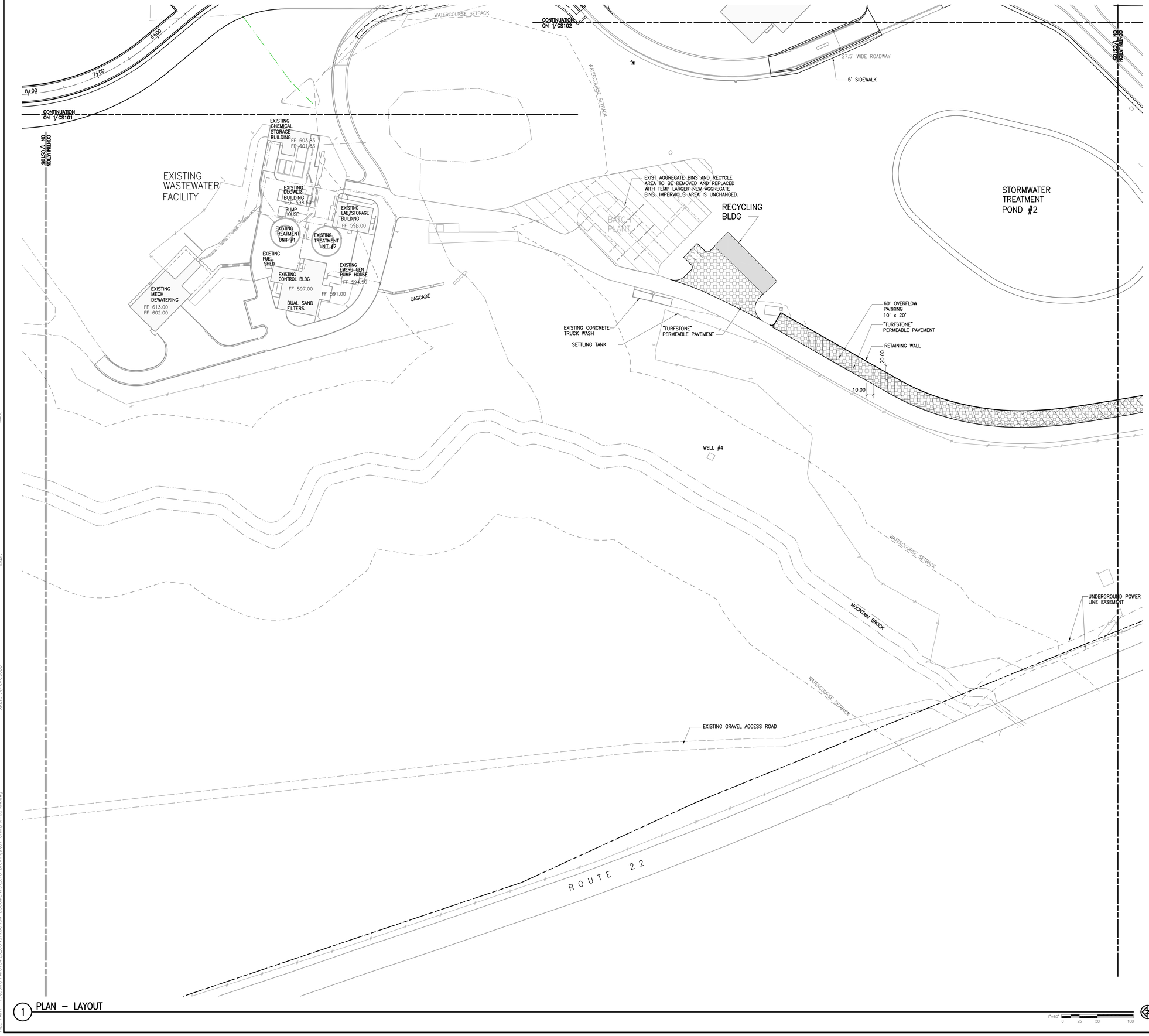
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LAYOUT PLAN

PROJECT No.
PPAT0104

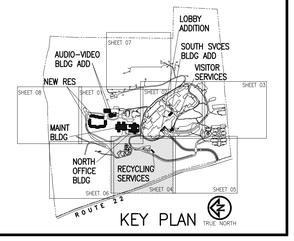
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PLOTTED BY: Colley, Charmaine
DSCN_DRFT: KSW
PLOT DATE: 2 Aug 10
DIMSCALE: 600.00
FILE PATH:



1 PLAN – LAYOUT

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

XREF: IMAGE
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XREF: IMAGE
XREF: IMAGE

XREF: \\Common\X-Key Plan-DEFAULT.E.USA
XREF: \PX-CE000
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PLOT DATE: 4 Aug 10 PLOTTED BY: Colley, Charmaine
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–	09 JUL 09	FILING
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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LAYOUT PLAN

PROJECT No.
PPAT0104

SHEET No.
CS104

CONTINUATION ON 1/CS102

CONTINUATION ON 1/CS103

CONTINUATION ON 1/CS104

FF 592.50

EXISTING F
FF 582.00

EXISTING G
FF 579.00

NEW GUARDHOUSE

TO BE REMOVED

5.00'

NEW 5' WIDE CONC SIDEWALK

60' OVERFLOW PARKING 10' x 20'

"TURFSTONE" PERMEABLE PAVEMENT

RETAINING WALL

RETAINING WALL

10.00'

30.00'

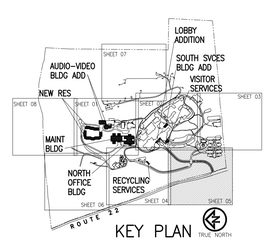
NEW FENCE & GATES

UNDERGROUND POWER LINE EASEMENT

ROUTE 22

1 PLAN – LAYOUT

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LAYOUT PLAN

PROJECT No.
PPAT0104

SHEET No.
CS105

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XREF: \PX-CS2000

PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
DIMSCALE: 600.00 DSQN\DRFT: KSW
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CONTINUATION ON V/CU107

CONTINUATION ON V/CU102

EXISTING POTABLE WATER TANK

ROCK OUTCROP

EXISTING IRRIGATION WATER TANK

ROCK OUTCROP

WATERCOURSE SETBACK

ABDN EXIST 3" IRR

NEW 6" IRR

AUDIO–VIDEO BLDG ADDITION
GROUND FL = 733

EXISTING AUDIO–VIDEO BLDG

AUDIO–VIDEO BLDG ADDITION
2ND FL = 747
1ST FL = 733
BASEMENT = 717
TUNNEL = 703

EXISTING WATER SOFTENING FACILITY

EXISTING POWERHOUSE

COOLING TOWERS

6" FM

12" W

CONN NEW 6" FM TO EXIST STUB

EXIST 3" & 4" FM

3" WW EXT

TO BE REMOVED

G RESIDENCE
4TH FL=771
3RD FL=761
2ND FL=751
1ST FL=741
BASEMENT=731
CELLAR = 721

H RESIDENCE
5TH FL=771
4TH FL=761
3RD FL=751
2ND FL=741
1ST FL=731
BASEMENT=721

NEW 8" SS

NEW 6" IRR

8" W

10" W

6" IRR

EXIST 10" W

EXIST 6" IRR

NEW COMM

NEW ELEC

XFMR

BRIDGE/TUNNEL BELOW

MAINTENANCE BUILDING
5TH FL = 726.25
4TH FL=714
3RD FL=701.75
2ND FL=689.5
1ST FL=677.25
BASEMENT=665 (DOCK LEVEL)
CELLAR1=654.5 (PARKING)
CELLAR2 =644 (PARKING)

NORTH OFFICE BUILDING
4TH FL=714
3RD FL=701.75
2ND FL=689.5
1ST FL=677.25
BASEMENT=665 (DOCK LEVEL)
CELLAR1=654.5 (PARKING)
CELLAR2 =644 (PARKING)

REMOVE

NEW 6" FM

NEW 3" & 4" FM

IRR LOOP

BRIDGE

EXIST 6" SS

SINGLE RD CROSSING

EXIST 8" SS

STORMWATER TREATMENT POND #1

WATERCOURSE SETBACK

EXIST 3"&4" FM APPROX ROUTE TO BE CONFIRMED

NEW 3" RECLAIM WTR TO COOLING TOWERS

NEW 8" SS

EXIST 15" SS

CONTINUATION ON V/CU106

CONTINUATION ON V/CU104

1 PLAN – UTILITIES

1"=50'
0 25 50 100

KEY PLAN

LOBBY ADDITION
SOUTH SVCES BLDG ADD
VISITOR SERVICES
AUDIO–VIDEO BLDG ADD
NEW RES
MAINT BLDG
NORTH OFFICE BLDG
RECYCLING SERVICES
ROUTE 22
SHEET 01 SHEET 02 SHEET 03 SHEET 04 SHEET 05 SHEET 06 SHEET 07 SHEET 08

XREF: \PX-CU000
XREF: \PX-CS000
XREF: \PX-CG000
XREF: \PX-CE000
XREF: ..\Common\V.Key Plan-DEFAULT.EUSA
XREF: ..\Common\V.Project Title-DEFAULT.EUSA

PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
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–	06 AUG 10	FILING
1	02 DEC 09	REVISED
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–	15 APR 09	REVIEW & APPROVAL

OWNER:
WATCHTOWER BIBLE & TRACT SOC. OF NY, INC.
25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
UTILITIES PLAN

PROJECT No.
PPAT0104

SHEET No.
CU101

CONTINUATION ON V:\CU107

CONTINUATION ON V:\CU107

PROPOSED COMMUNICATION CONDUIT

CONDUIT BEING INSTALLED AS PART OF A SEPARATE CONSTRUCTION PROJECT.

EXISTING 'A' RES

EXISTING 'B' RES

EXISTING 'C' RES

EXISTING 'D' RES

EXISTING 'E' RES

EXISTING 'F' RES

EXISTING NORTH PARKING GARAGE

EXISTING SOUTH PARKING GARAGE

EXISTING RECREATION

SOUTH SERVICES ADDITION

EXISTING SOUTH SERVICES BUILDING

EXISTING KITCHEN/ DINING ROOM

EXISTING NORTH SERVICES BUILDING

EXISTING SCHOOL

EXISTING AUDITORIUM

EXISTING LOBBY

LOBBY ADDITION

VISITOR SERVICES BLDG

EXISTING SOUTH OFFICE BUILDING

EXIST FH

EXIST FH

PROPOSED COMMUNICATION CONDUIT

IRR LOOP

WELL HOUSE

WATERCOURSE SETBACK

CONDUIT BEING INSTALLED AS PART OF A SEPARATE CONSTRUCTION PROJECT.

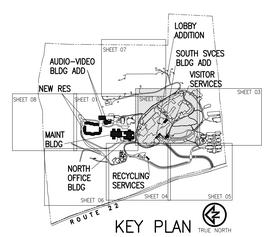
CONDUIT BEING INSTALLED AS PART OF A SEPARATE CONSTRUCTION PROJECT.

CONTINUATION ON V:\CU104

CONTINUATION ON V:\CU105

1 PLAN – UTILITIES

1"=50'
0 25 50 100



KEY PLAN TRUE NORTH

WATCHTOWER
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25 COLUMBIA HEIGHTS
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ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
UTILITIES PLAN

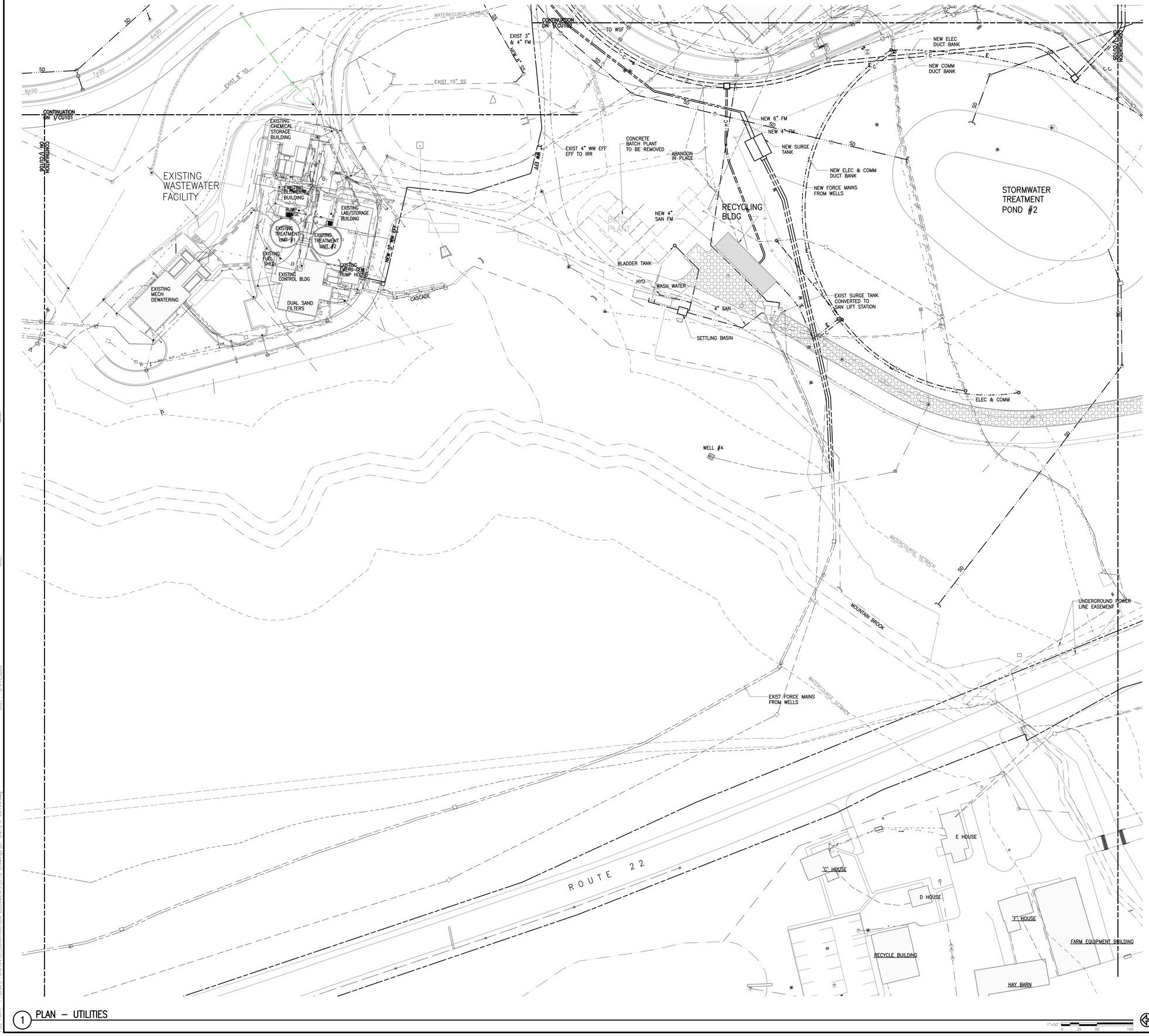
PROJECT No.
PPAT0104

SHEET No.
CU102

PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
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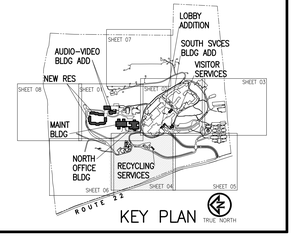
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XREF: \PX-CE000
XREF: ..\Common\V-Key Plan-DEFAULT.USA
XREF: ..\Common\V-Project Title-DEFAULT.USA

IMAGE:
IMAGE:
IMAGE:
IMAGE:
IMAGE:
IMAGE:



1 PLAN – UTILITIES

1"=50 (0, 25, 50, 100)



KEY PLAN TRUE NORTH

WATCHTOWER
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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
UTILITIES PLAN

PROJECT No.
PPAT0104

SHEET No.
CU104

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PLOT DATE: 2 Aug 10 PLOTTED BY: Colby, Charmaine
DWGSCALE: 600.00 DSGN\DRFT: JD/CC
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CONTINUATION ON 1/CU102

CONTINUATION ON 1/CU103

EXISTING F

EXISTING G

ELEC & COMM DUCT BANK

NEW GUARDHOUSE

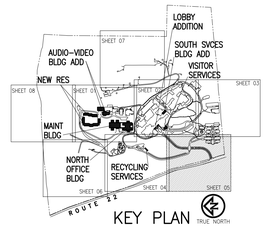
UNDERGROUND POWER LINE EASEMENT

ROUTE 22

1 PLAN – UTILITIES

1"=50'
0 25 50 100

KEY PLAN



TRUE NORTH

XREF: \PA-CU000
XREF: \Common\X-Key Plan-DEFAULT.E.USA
XREF: \PA-CE000
XREF: \Common\X-Project Title-DEFAULT.E.USA
XREF: \PA-CG000
XREF: \PA-CS000

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IMAGE
IMAGE
IMAGE
IMAGE
IMAGE
IMAGE

PLOT DATE: 2 Aug 10 PLOTTED BY: Colley, Charmaine
DWGSCALE: 600.00 DGN\DRFT: JD/CC
FILE PATH: P:\USA\PPAT0104\3_CONSTRUCTION DOCUMENTS\3.10 Drawings\01 Civil\PA-CU105.dwg

WATCHTOWER
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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201 USA
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–	15 APR 09	REVIEW & APPROVAL

OWNER:
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BROOKLYN, NY 11201

ACCOUNT No.

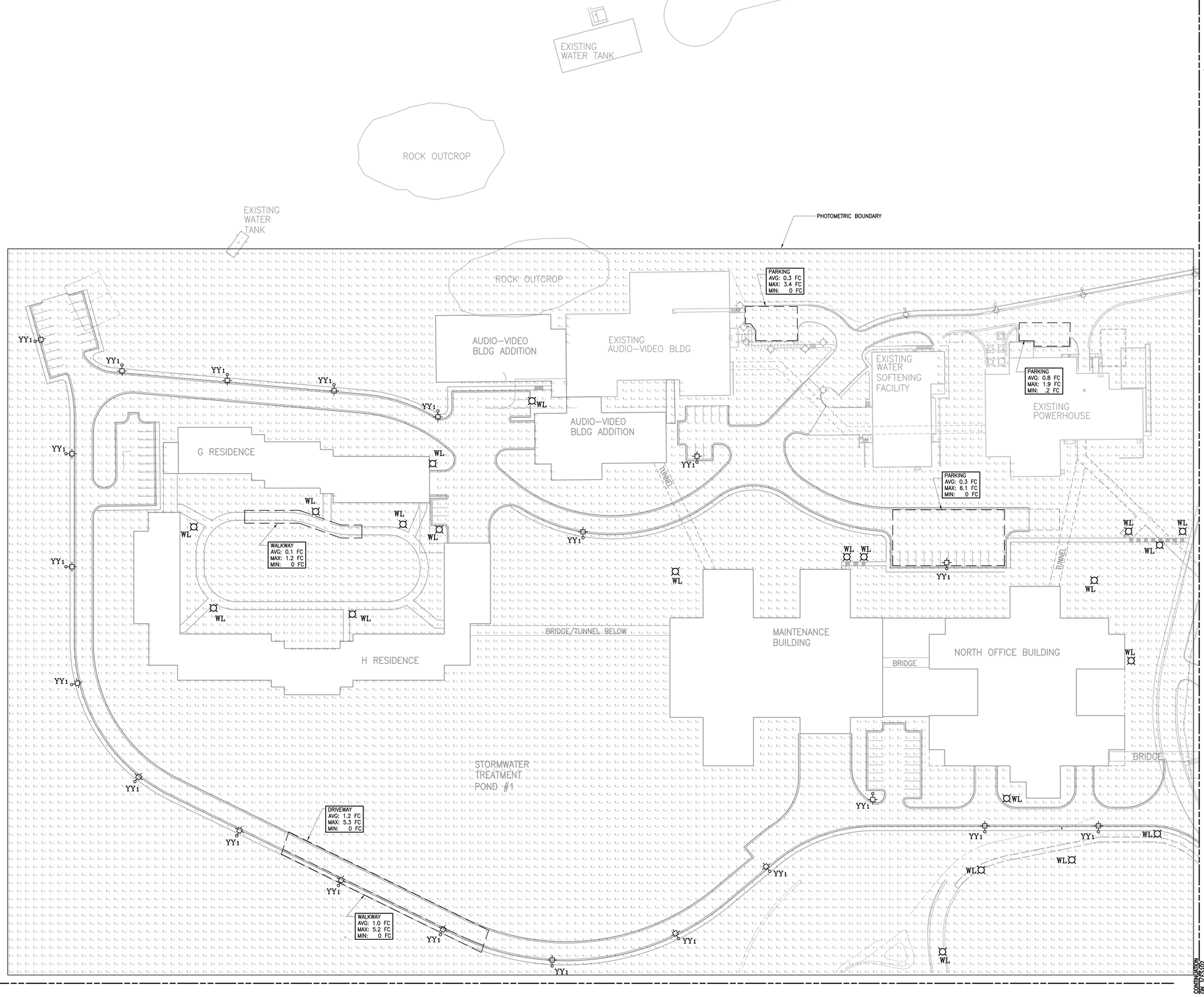
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
UTILITIES PLAN

PROJECT No.
PPAT0104

SHEET No.
CU105

Footcandle Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
GRADE	0.15	8.5	0.0	N.A.	N.A.



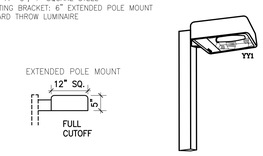
GENERAL SHEET NOTES

1. INSTALL NEW 150W HPS POLE MOUNT FIXTURES, HORIZONTAL MOUNT, CUT OFF, WHERE INDICATED, 18' MOUNTING HEIGHT.
2. INSTALL NEW 50W HPS BOLLARD FIXTURES, WHERE INDICATED, 3' MOUNTING HEIGHT.
3. LIGHTING CALCULATIONS PROVIDED BY RUUD LIGHTING.
4. NEW PROPOSED AND EXISTING FIXTURES ARE INCLUDED IN THE LIGHTING CALCULATIONS.
5. EXTERIOR LUMINARIES GREATER THAN 100 WATTS HAVE A MINIMUM EFFICACY OF 60 LUMENS/W PER ASHRAE/IESNA 90.1–2001.

SYMBOLS

- NEW BOLLARD WITH LIGHT
- NEW POLE AND LIGHT FIXTURE
- RL1 FIXTURE TYPE INDICATOR
- EXISTING BOLLARD WITH LIGHT
- EXISTING POLE AND LIGHT FIXTURE
- EXISTING POLE AND DOUBLE LIGHT FIXTURES
- EXISTING POLE AND TRIPLE LIGHT FIXTURES

CATALOG: RUUD #MAC2515-5 (480V)
POLE: RUUD #PS4S17C1BZ
POLE: 17'-0", 4" SQUARE STEEL
MOUNTING BRACKET: 6" EXTENDED POLE MOUNT
FORWARD THROW LUMINAIRE



FIXTURE YY1 POLE MOUNT
150W HIGH PRESSURE SODIUM AREA CUTOFF

LENS ASSEMBLY CONSISTS OF RIGID ALUMINUM FRAME AND HIGH-IMPACT CLEAR-TEMPERED GLASS.

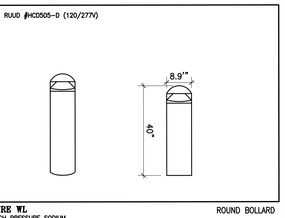
U.L. STANDARD FOR WET LOCATIONS.

STANDARD 480 VOLT BALLAST.

HOUSING IS SEAMLESS DIE CAST ALUMINUM. MEDIUM BRONZE, ACRYLIC POWDER FINISH.

FULL CUT OFF, FORWARD THROW DISTRIBUTION.

"WL" = RUUD #HC0505-D (120/277V)



FIXTURE WL ROUND BOLLARD
50W HIGH PRESSURE SODIUM

ALUMINUM HOUSING WITH STEEL FRAME SUPPORTS.

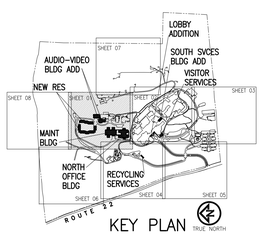
INJECTION MOLDED CLEAR POLYCARBONATE LENS.

SOLID DOME TOP.

FINISH: ACRYLIC THERMOSET BRONZE POWDER FINISH.

UL LISTED FOR WET LOCATION.

STANDARD 120/277V VOLT BALLAST.



KEY PLAN TRUE NORTH

1 PLAN – SITE LIGHTING

1"=50'-0" 0' 25' 50' 100'

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ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

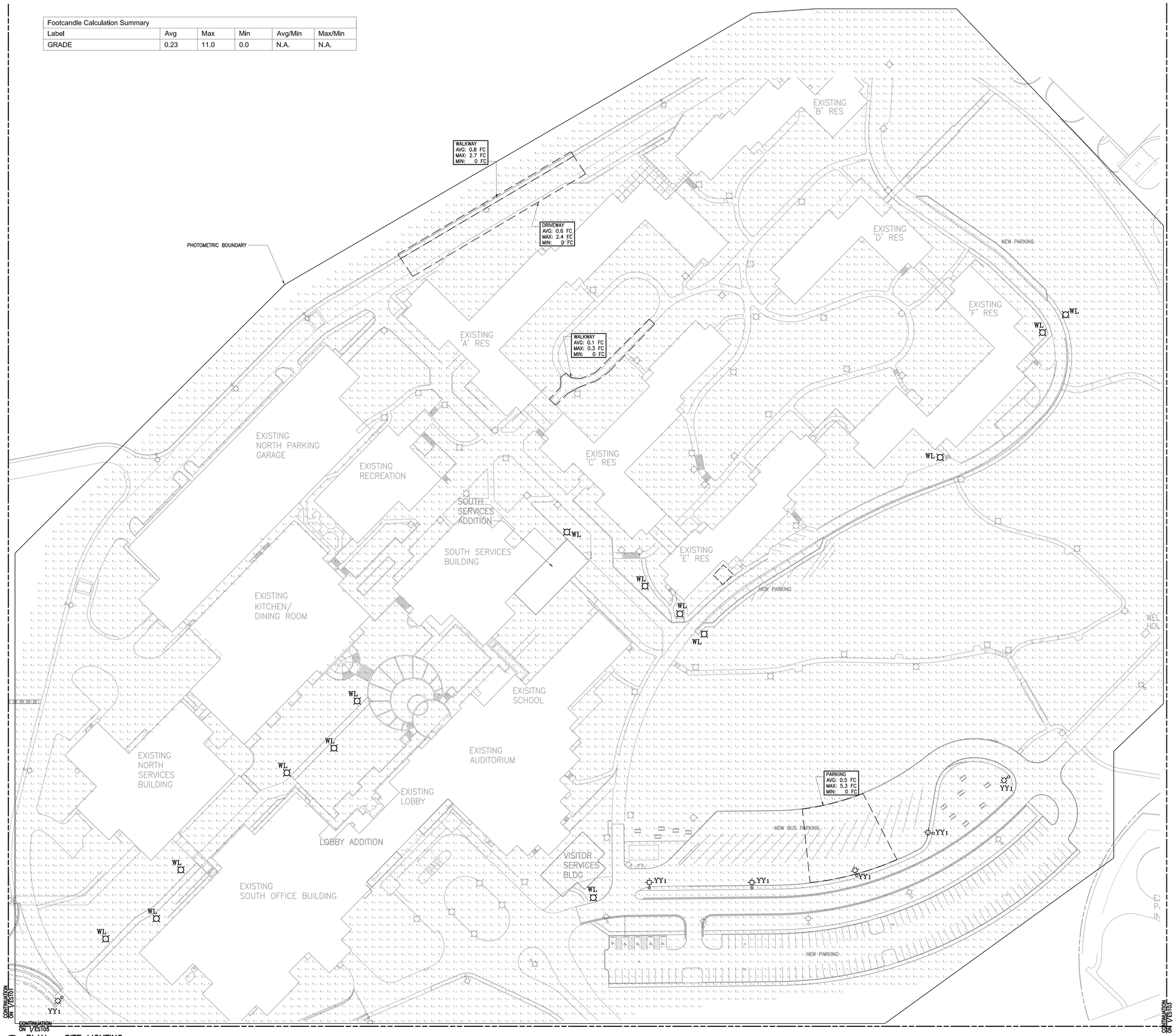
SHEET TITLE:
SITE LIGHTING PLAN

PROJECT No.: PPAT0104

SHEET No.: ES101

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XREF: \\Common\X-Key Plan-DEFAULT.E.USA
XREF: \\Common\VERTX-C-000
PLOT DATE: 3 Aug 10 PLOTTED BY: O'Guin, Colin
DIMSCALE: 600.0000 DSGN\DRFT: RJB
FILE PATH: P:\VOL\PPAT0104\3_CONSTRUCTION DOCUMENTS\3.10 Drawings\09 Electrical\PV-ES101.dwg

Footcandle Calculation Summary					
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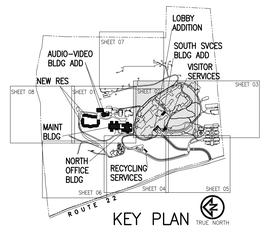


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PATTERSON, NY 12563

SHEET TITLE:
SITE LIGHTING PLAN

PROJECT No.
PPAT0104

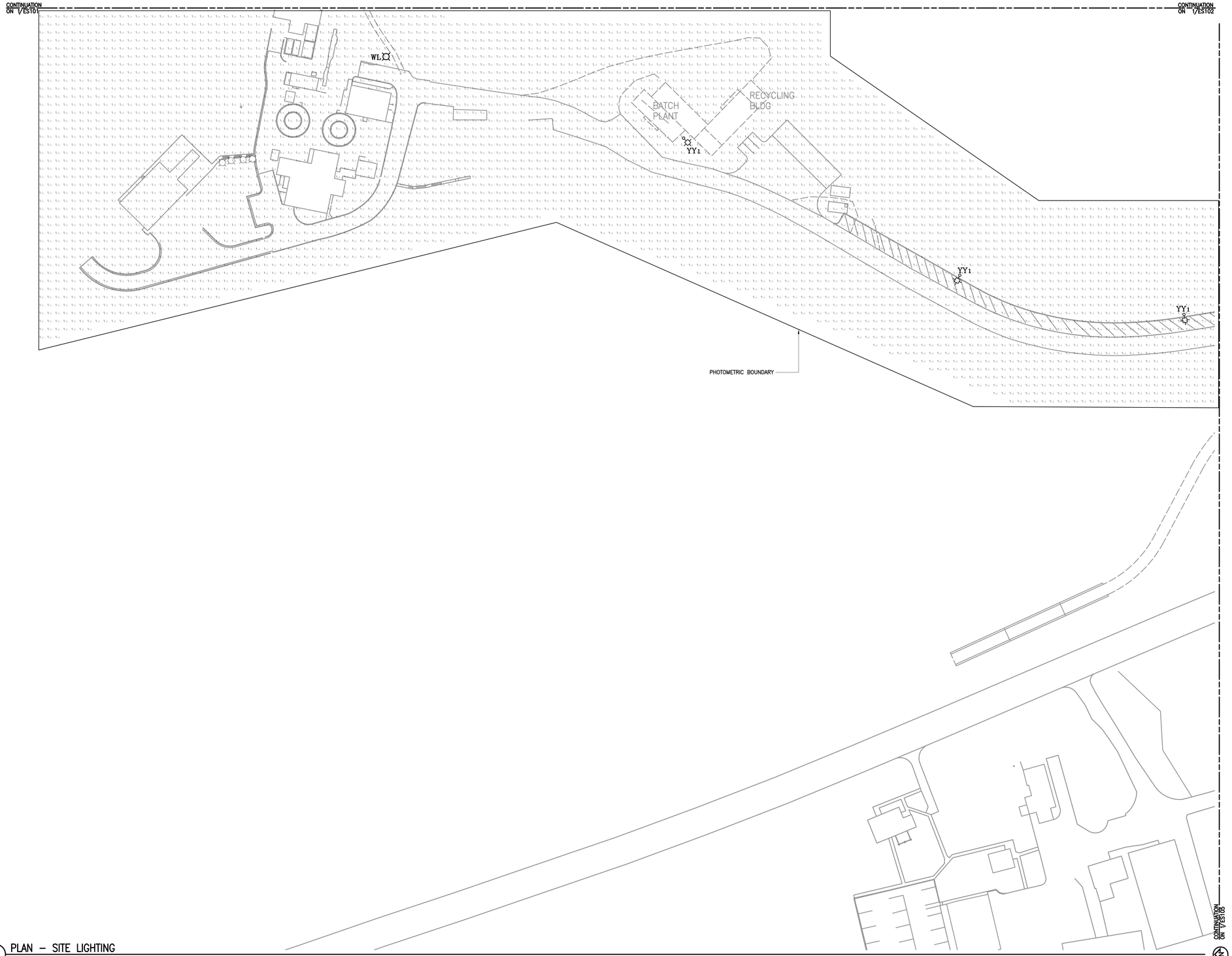
SHEET No.
ES102

PLOT DATE: 3 Aug 10 PLOTTED BY: O'Guin, Colin
DMSCALE: 600.0000 DSON,URFT: RJB
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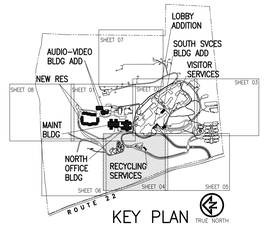
Footcandle Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
GRADE	0.05	7.9	0.0	N.A.	N.A.

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1 PLAN – SITE LIGHTING



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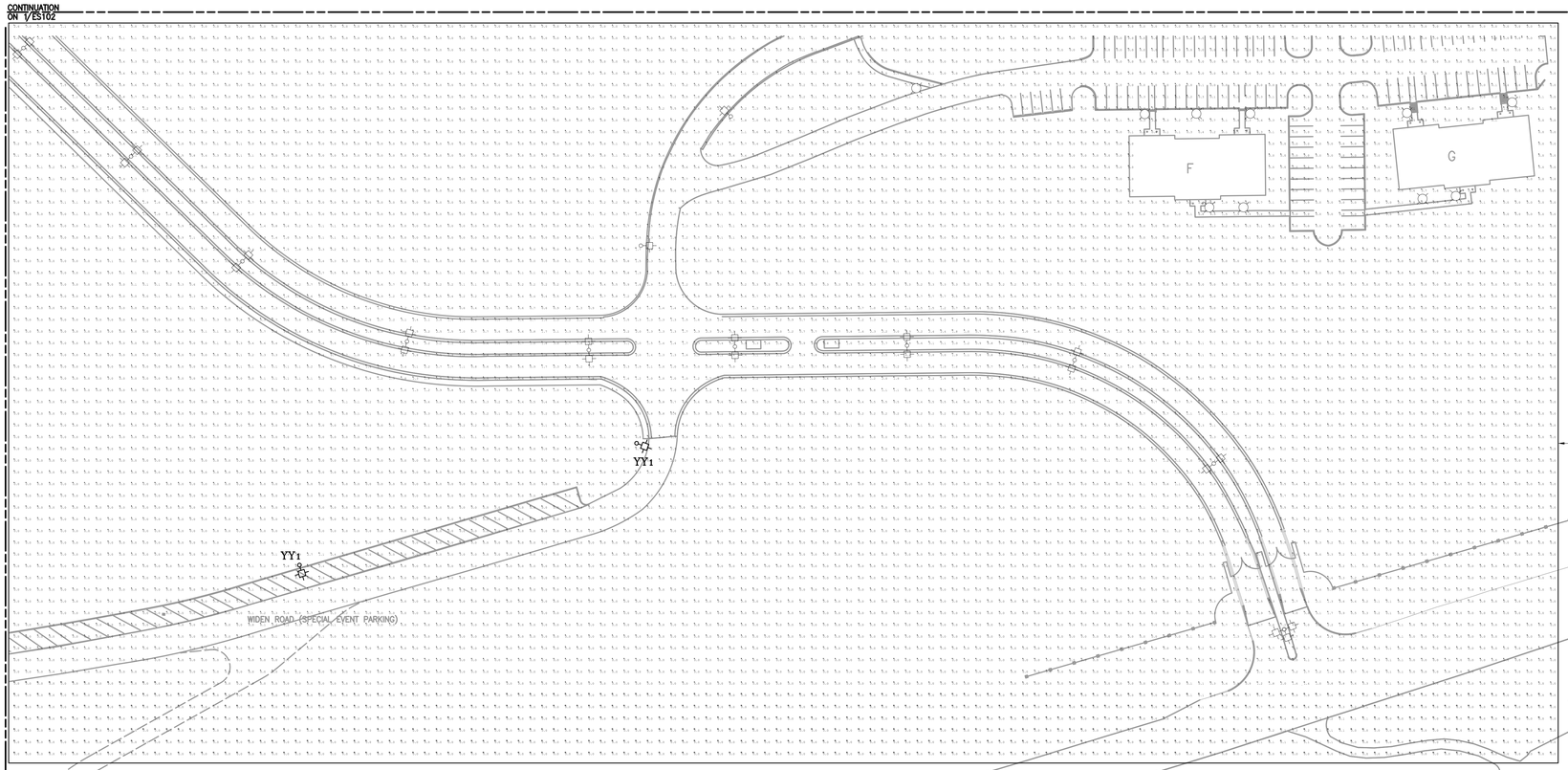
SHEET TITLE:
SITE LIGHTING PLAN

PROJECT No.
PPAT0104

SHEET No.
ES104

PLOT DATE: 3 Aug 10 PLOTTED BY: O'Guin, Colin
DWGSCALE: 600.0000 DGN\DRFT: RJB
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CONTINUATION
ON T/ ES102



CONTINUATION
ON T/ ES104

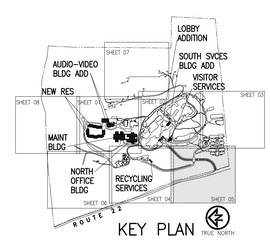
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1"=50'-0"
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GRADE	0.19	7.5	0.0	N.A.	N.A.



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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
SITE LIGHTING PLAN

PROJECT No.
PPAT0104

SHEET No.
ES105

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DIMSCALE: 600.0000 DSRN\DRFT_RJB
FILE PATH: P:\USA\PPAT0104\3_CONSTRUCTION_DOCUMENTS\3.10 Drawings\09 Electrical\PX-ES105.dwg

WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN

ABBREVIATIONS

AC	ACRES
APPROX	APPROXIMATE
BLDG	BUILDING
BM	BENCH MARK
BOT	BOTTOM
C	COMMUNICATIONS CONDUIT
CB	CATCH BASIN
CI	CAST IRON or CURB INLET
C/L	CENTER LINE
CO	CLEANOUT
COMM	COMMUNICATIONS
CONC	CONCRETE
CND	CONDUIT
CONSTR	CONSTRUCT or CONSTRUCTION
CTR	CENTER
CU YD or YD³	CUBIC YARD
DEMO	DEMOLITION
DIA OR ⌀	DIAMETER
DWG	DRAWING
E	EAST or ELECTRIC
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EP	EDGE OF PAVEMENT
ESCM	EROSION & SEDIMENT CONTROL MEASURES
EXIST or E	EXISTING
FDTN	FOUNDATION
FF	FINISHED FLOOR
FF EL	FINISH FLOOR ELEVATION
FP	FIRE PROTECTION
FL	FLOOR
FM	FORCE MAIN
FPS	FEET PER SECOND
FT '	FEET
FTG	FOOTING
GND	GROUND
GR	GRADE
GAL	GALLON
GND	GROUND
GR	GRADE
H PT	HIGH POINT
HV	UNDERGROUND HIGH VOLTAGE ELECTRIC
IE	INVERT ELEVATION
IN	INCH
INV	INVERT
IP	IRON PIN
IRR	IRRIGATION
JNT	JOINT
L	UNDERGROUND LIGHTING CONDUIT
LPT	LOW POINT
LV	UNDERGROUND LOW VOLTAGE ELECTRIC
MATL	MATERIAL
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MV	UNDERGROUND MEDIUM VOLTAGE ELECTRIC
MW	MUNICIPAL WATER MAIN
N	NORTH
NE	NORTH EAST
NPW	NON POTABLE WATER
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OVHD	OVERHEAD
PAVT	PAVEMENT
PL	PROPERTY LINE
PWR	POWER
R or RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCED or REINFORCING
S	SOUTH
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SE	SOUTHEAST
SED	SEDIMENT
SPEC	SPECIFICATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
SW	SOUTHWEST
SWK	SIDEWALK
T	TANGENT LENGTH OF CURVE
TB	TEST SOIL BORING
TC	TOP OF CURB
TD	TRENCH DRAIN
TER	TECHNICAL EQUIPMENT ROOM
TRANS	TRANSITION
TO	TOP OF
TP	SOIL TEST PIT
TYP	TYPICAL
UGND	UNDERGROUND
UTIL	UTILITIES
VERT	VERTICAL
VOL	VOLUME
W	WEST or WALL or DOMESTIC WATER
WW EFF	WASTEWATER EFFLUENT
WWF	WELDED WIRE FABRIC

LEGEND

- PONDS, CREEKS, RIVERS, LAKES, WETLANDS
- MAJOR CONTOUR LINES (10' INTERVAL)
- MINOR CONTOUR LINES (2' INTERVAL)
- SWALES
- ROAD CENTER LINES
- UNPAVED OR GRAVEL ROAD
- BUILDING ROOF OUTLINES
- UNDERGROUND STRUCTURES
- SANITARY SEWER
- STORM SEWER
- DRAIN LINES–FOOTING, FDTN, & UNDER SLAB
- DRAIN LINES–ROOFS, BLDG LEADERS & YARDS
- FIRE PROTECTION LINES
- WATER LINES
- COMMUNICATION LINES
- ELECTRICAL PWR LINES–UGND HIGH VOLT
- ELECTRICAL PWR LINES–UGND LIGHTING
- ELECTRICAL PWR LINES–UGND LOW VOLT
- ELECTRICAL POWER LINES – OVERHEAD
- COMPRESSED AIR LINES
- GAS & FUEL OIL LINES
- LIMITS OF DISTURBANCE (LOD)
- SILT FENCE

- BM — BENCHMARK
- TP-28 — TEST PIT LOCATION & REFERENCE
- TB-23 — SOIL BORING LOCATION & REFERENCE
- PROPERTY LINE
- TIE–IN
- CATCH BASIN
- CURB INLET
- FLOW ARROW
- MANHOLE
- VALVE
- HYDRANT
- UTILITY POLE
- LIGHT BOLLARD
- 100.00 — SPOT ELEVATION
- STONE & BLOCK INLET PROTECTION
- GL — GRASSED WATERWAY
- STORM DRAIN INLET FILTER
- PS — PERMANENT SEEDING
- ROCK OUTLET PROTECTION
- PIPE OUTLET SEDIMENT TRAP
- TO BE DEMOLISHED
- SEDIMENT BASIN
- EARTH DIKE
- FILTER FABRIC DROP INLET PROTECTION
- M — MULCHING
- SUMP PIT
- CURB INLET DROP PROTECTION
- TREE PROTECTION
- LEVEL SPREADER
- WB — WATER BAR
- PD — PERIMETER DIKE/SWALE
- CHECK DAM
- STABILIZED CONSTRUCTION ENTRANCE/EXIT
- PERVIOUS PAVEMENT (NY DEP APPROVED)

DRAWING INDEX

GENERAL

G–001	COVER SHEET

CIVIL

C–101	EXISTING CONDITIONS PLAN
C–102	PROPOSED SITE PLAN
C–103	SHEET NOT USED
C–104	SHEET NOT USED
C–105	WATERCOURSE DELINEATION PLAN – SOUTH
C–106	WATERCOURSE DELINEATION PLAN – NORTH
CD101	CONSTRUCTION PHASING PLAN
CE101	EROSION & SEDIMENT CONTROL PLAN
CE102	EROSION & SEDIMENT CONTROL PLAN
CE103	EROSION & SEDIMENT CONTROL PLAN
CE104	EROSION & SEDIMENT CONTROL PLAN
CE105	EROSION & SEDIMENT CONTROL PLAN
CE106	EROSION & SEDIMENT CONTROL PLAN
CE107	EROSION & SEDIMENT CONTROL PLAN
CE108	EROSION & SEDIMENT CONTROL PLAN
CG101	GRADING & DRAINAGE PLAN
CG102	GRADING & DRAINAGE PLAN
CG103	GRADING & DRAINAGE PLAN
CG104	GRADING & DRAINAGE PLAN
CG105	GRADING & DRAINAGE PLAN
CG106	GRADING & DRAINAGE PLAN
CG107	GRADING & DRAINAGE PLAN
CG501	EROSION CONTROL DETAILS
CG502	EROSION CONTROL DETAILS
CG503	EROSION CONTROL DETAILS
CS101	LAYOUT PLAN
CS102	LAYOUT PLAN
CS103	LAYOUT PLAN
CS104	LAYOUT PLAN
CS105	LAYOUT PLAN
CU101	UTILITIES PLAN
CU102	UTILITIES PLAN
CU103	SHEET NOT USED
CU104	UTILITIES PLAN
CU105	UTILITIES PLAN
CU106	SHEET NOT USED

LANDSCAPING

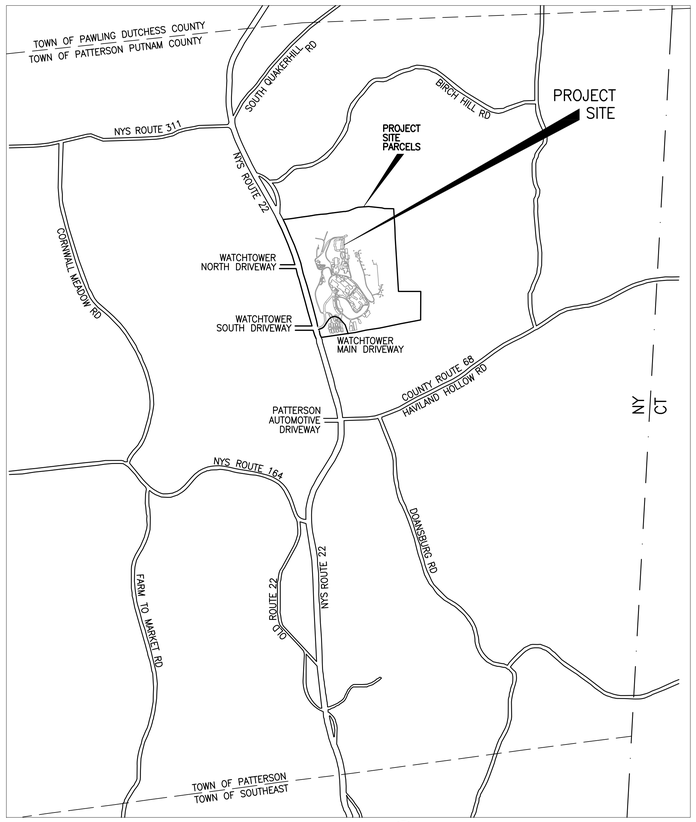
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LD102	LANDSCAPING SECTION 2
LD103	LANDSCAPING SECTION 3
LD104	LANDSCAPING SECTION 4
LD105	LANDSCAPING SECTION 5
LD106	LANDSCAPING SECTION 6
LD107	LANDSCAPING SECTION 7

ARCHITECTURAL

A–101	RESIDENCE PLANS
A–102	AUDIO VIDEO SERVICES – PLANS
A–103	MAINTENANCE/NORTH OFFICE PLANS– CELLAR 2–FIRST FLOOR
A–104	MAINTENANCE/NORTH OFFICE PLANS– SECOND–FIFTH FLOOR
A–105	SERVICE BUILDINGS
A–201	EXTERIOR ELEVATIONS & SECTIONS
AS101	SHEET NOT USED
AS102	ALTERNATE SITE PLAN – AS–OF–RIGHT
AS103	ALTERNATE SITE PLAN – REDUCED HEIGHT IMPACT

SITE ELECTRICAL

ES101	SITE LIGHTING PLAN
ES102	SITE LIGHTING PLAN
ES103	SHEET NOT USED
ES104	SITE LIGHTING PLAN
ES105	SITE LIGHTING PLAN



VICINITY MAP

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SHEET TITLE:
COVER SHEET

PROJECT No.
PPAT0104

SHEET No.
G–001

XREF: MAGE
XREF: MAGE
XREF: MAGE

EXISTING WATER TANK

ROCK OUTCROP

EXISTING WATER TANK

ROCK OUTCROP

AUDIO–VIDEO BLDG ADDITION

EXISTING AUDIO–VIDEO BLDG

AUDIO–VIDEO BLDG ADDITION

EXISTING WATER SOFTENING FACILITY

EXISTING POWERHOUSE

G RESIDENCE

H RESIDENCE

BRIDGE/TUNNEL BELOW

MAINTENANCE BUILDING

NORTH OFFICE BUILDING

18" STONE MULCH AT BUILDING WALLS, TYP

USE GRAVEL OR PAVERS ALONG WALKWAYS, TYP

BRIDGE

BRIDGE

TUNNEL

TUNNEL

LAWN

LAWN

MAINTENANCE ROAD

STORMWATER TREATMENT POND #1

ROAD TO BE ABANDONED, EXIST PAVING WIDTH REDUCED TO SERVE CART ACCESS ONLY

CONTINUATION ON 1/LD108

CONTINUATION ON 1/LD104

CONTINUATION ON 1/LD102

1 LANDSCAPING PLAN

1"=50'

0 25 50 100

GENERAL NOTES

1. DUE TO THE PROXIMITY OF THE RETENTION PONDS TO THE NEW CONSTRUCTION, THE FINAL LANDSCAPE PLANTING PLAN AT NEW BUILDINGS WILL REFLECT THE MORE FORMAL PLANTING SCHEME AROUND EXISTING BUILDINGS.

2. ROOFTOP PLANTINGS OF HEAT TOLERANT GROUND COVERS SUCH AS: NASTURTIUM, LAVENDAR THYME.

3. WHERE POSSIBLE, A MOWING STRIP OF LAWN IS TO BE MAINTAINED ALONG ROADWAY AS SHOWN ON PLANS.

4. AREAS TO BE CONVERTED BACK TO FIELD WITH A NORTHEASTERN NATIVE WILDFLOWER MIX WILL BE MOWED ONCE OR TWICE A YEAR.

5. PLANTINGS LISTED BELOW FOR AREAS AROUND RETENTION PONDS WILL REFLECT THE RECOMMENDATIONS SITED IN APPENDIX H OF THE NYS STORMWATER MANAGEMENT DESIGN MANUAL OF AUGUST 2003. PLANTS SELECTED FOR THIS PURPOSE WILL BE FROM, BUT NOT LIMITED TO THE FOLLOWING:

SHALLOW WATER BENCH @ RESIDENTIAL POND
NORMAL POOL TO DEPTH OF 1½ FT (697 TO 698.5)
- *Acorus calamus*, SWEET FLAG
- *Calamagrostis canadensis*, BLUE JOINT
- *Carex flacca*, BLUE SEDGE
- *Iris versicolor*, BLUE FLAG IRIS
- *Juncis effusis*, SOFT RUSH
- *Peltandra virginica*, ARROW ALUM
- *Saggitara latifolia*, ARROWHEAD
- *Saurus cernus*, LIZARD'S TAIL

ZONE 3 – SHORELINE FRINGE @ RESIDENTIAL POND
FROM WATER'S EDGE TO 1'–0" ABOVE (698.5 TO 699.5)
- *Acorus calamus*, SWEET FERN
- *Iris versicolor*, BLUE FLAG IRIS
- *Juncus effusus*, SOFT RUSH
- *Peltandra virginica*, ARROW ALUM

PERENNIAL POND PLANTINGS @ RESIDENTIAL POND
FROM 1'–0" ABOVE (699.5) TO BOUNDARY INDICATED ON PLAN AND AT A RATIO AS SHOWN.

	LBS/ACRE
Aquilegia canadensis, WILD COLUMBINE	2.0
Asclepias tuberosa, BUTTERFLY WEED	1.0
Aster nova–angliae (A. Spectabilis) NEW ENGLAND ASTER	2.0
Epilobium angustifolium, FIREWEED	2.0
Helianthus decapetalus, NARROW–LEAVED SUNFLOWER	1.0
Monarda fistulosa, WILD BERGAMOT, BEEBALM	2.0
Rudbeckia hirta, BLACK–EYED SUSAN	2.0
GRASS SPECIES AS FOLLOWS:	
Bromus kalmii, PRAIRIE BROME	5.0
Calamagrostis canadensis, BLUEJOINT GRASS	3.0
Elymus canadensis, CANADA WILDRYE	3.0
Eragrostis spectabilis, PURPLE LOVEGRASS	3.0
Glyceria grandis, TALL MANNAGRASS	3.0
Panicum virgatum, SWITCHGRASS	5.0
Sctizachyrium scoparium, LITTLE BLUESTEM	3.0
Sorghastrum nutans, INDIAN GRASS	3.0

6. PLANTINGS LISTED BELOW FOR AREAS AROUND POND #1 AND POND #2. PLANTS SELECTED FOR THIS PURPOSE WILL BE FROM, BUT NOT LIMITED TO THE FOLLOWING:

Physocarpus opulifolius 'Diabolo', DIABOLO NINEBARK

Cornus servicea 'Silver and Gold, YELLOW TWIG VARIGATED DOGWOOD

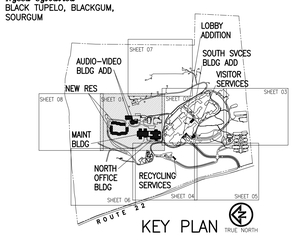
Ilex verticillzia 'Winter Red', WINTER RED WINTERBERRY

Linderz benzoin, SPICEBUSH

SYMBOLS LIST

TREES

- *Acer palmatum* JAPANESE MAPLE
- *Acer rubrum 'Franksred'* RED SUNSET RED MAPLE
- *Acer rubrum 'October Glory'* OCTOBER GLORY RED MAPLE
- *Acer saccharum 'Globosum'* GLOBE MAPLE
- *Acer saccharum 'Green Mountain'* GREEN MOUNTAIN MAPLE
- *Betula nigra* RIVER BIRCH
- *Cedrus atlantica glauca* BLUE ATLAS CEDAR
- *Cornus kousa chinensis* KOUSA DOGWOOD
- *Cornus walteri* WALTER DOGWOOD
- *Gleditsia tricanthos inermis 'Shademaster'* SHADEMASTER HONEY LOCUST
- *Liquidamb styraciflua* SWEETGUM
- *Liriodendron tulipifera* TULIP TREE
- *Malus x arnoldiana* CRABAPPLE
- *Nyssa sylvatica* BLACK TUPELO, BLACKGUM, SOURGUM
- *Nyssa sylvatica* BLACK TUPELO, BLACKGUM, SOURGUM
- *Picea albies* NORWAY SPRUCE
- *Picea glauca* WHITE SPRUCE
- *Picea mariana* BLACK SPRUCE
- *Picea pungens var. glauca* COLORADO BLUE SPRUCE
- *Prunus cerasifera 'Thundercloud'* THUNDERCLOUD PLUM
- *Quercus rubra* RED OAK
- *Salix blanda* WISCONSIN WEEPING WILLOW
- *Syringa reticulata* JAPANESE TREE LILAC
- *Tilia cortala* LITTLELEAF LINDEN
- *Thuja occidentalis* ARBORVAITI
- VARIOUS SHRUBS TO BE DETERMINED LATER



KEY PLAN

TRUE NORTH

WATCHTOWER
BIBLE AND TRACT SOCIETY OF NEW YORK, INC
25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201 USA
PH: (718) 560–5000
FAX: (718) 560–8831

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CONSULTANT:

MARK:	DATE:	DESCRIPTION:
–	06 AUG 10	FILING
–	09 JUL 09	FILING
–	15 APR 09	REVIEW AND APPROVAL

OWNER:
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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

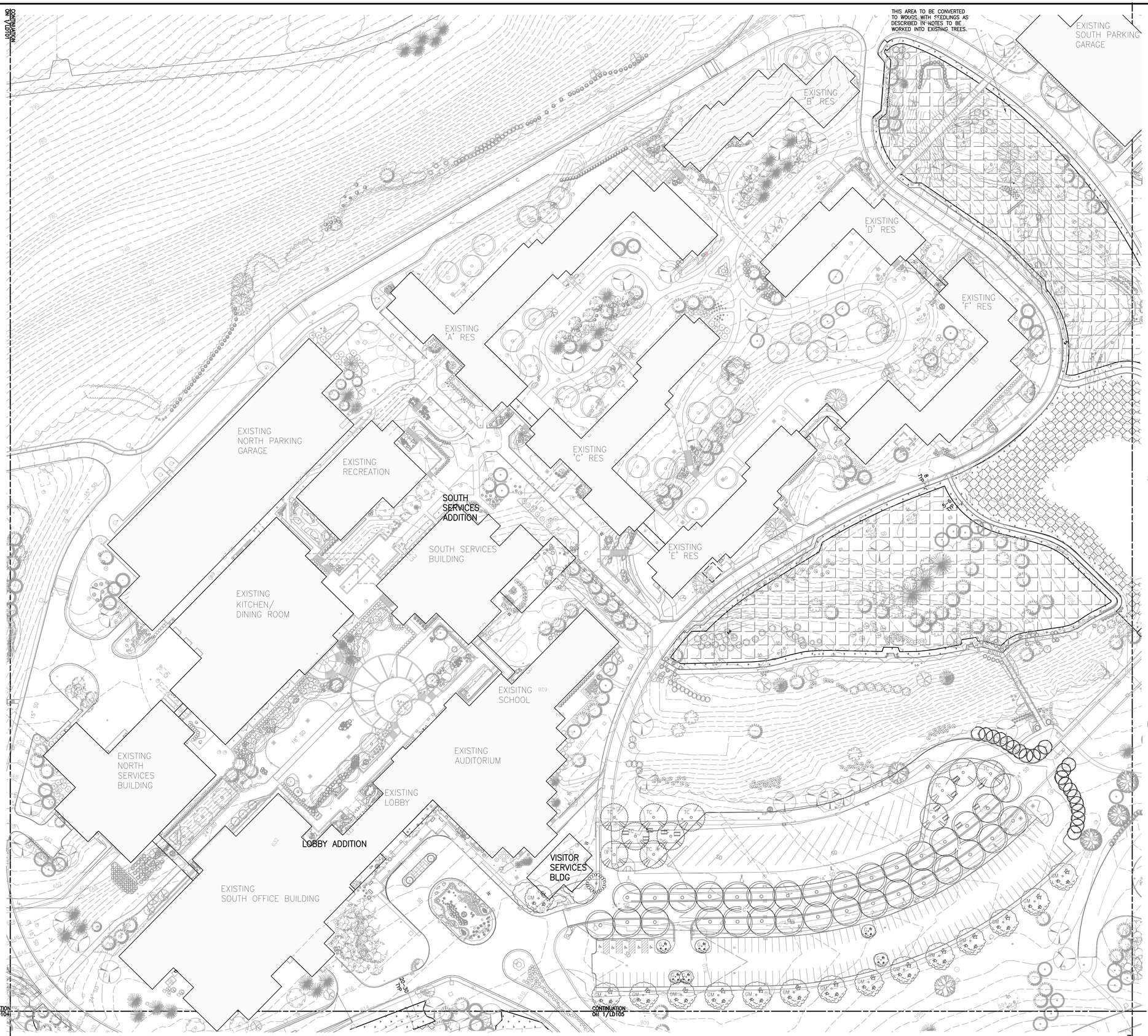
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LANDSCAPING SECTION 1

PROJECT No.: PPAT0104

SHEET No.: LD101

XREF: \\Common\V-Key Plan-DEFAULT.E.USA
XREF: \\Common\V-Key Plan-DEFAULT.E.USA
XREF: \\Common\XB-PX-LD001
XREF: \\Common\V-Project Title-DEFAULT.E.USA
XREF: \\Common\XB-PX-C-005
XREF: \\Common\V-Key Plan-DEFAULT.E.USA
XREF: \\Common\XB-PX-LD001
XREF: \\Common\V-Project Title-DEFAULT.E.USA
XREF: \\Common\XB-PX-C-005
PLOTTED BY: Pollock, Cynthia
DSQN.URFT: TC/CJP
PLOT DATE: 2 Aug 10
DWGSCALE: 600.00
FILE PATH: \\Brn-fs1\prntg\USA\PPAT0104\5_CONSTRUCTION_DOCUMENTS\5.10 Drawings\02 Landscape\PX-LD101.dwg



1 LANDSCAPING PLAN

GENERAL NOTES

1. DUE TO THE PROXIMITY OF THE RETENTION PONDS TO THE NEW CONSTRUCTION, THE FINAL LANDSCAPE PLANTING PLAN AT NEW BUILDINGS WILL REFLECT THE MORE FORMAL PLANTING SCHEME AROUND EXISTING BUILDINGS.

2. THE AREAS INDICATED BY HATCHING IS TO BE CONVERTED TO WOODS WITH SEEDLINGS (AS SHOWN BELOW) WORKED INTO EXISTING TREES.

Abies balsamea, BALSAM FIR
Acer saccharum, SUGAR MAPLE
Betula nigra, RIVER BIRCH
Betula papyrifera, PAPER BIRCH
Cornus florida, FLOWERING DOGWOOD
Fraxinus americana, WHITE ASH
Picea glauca, WHITE SPRUCE
Quercus rubra, RED OAK
Quercus alba, WHITE OAK

3. WHERE POSSIBLE, A MOWING STRIP OF LAWN IS TO BE MAINTAINED ALONG ROADWAY AS SHOWN ON PLANS.

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Linderz benzoin, SPICEBUSH

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GLOBE MAPLE

Acer saccharum 'Green Mountain'
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BLUE ATLAS CEDAR

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Prunus cerasifera 'Thundercloud'
THUNDERCLOUD PLUM

Quercus rubra
RED OAK

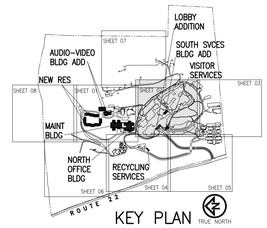
Salix blanda
WISCONSIN WEEPING WILLOW

Syringa reticulata
JAPANESE TREE LILAC

Tilia cortata
LITTLELEAF LINDEN

Thuja occidentalis
ARBORVAITI

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MARK	DATE:	DESCRIPTION:
–	06 AUG 10	FILING
–	09 JUL 09	FILING
–	15 APR 09	REVIEW & APPROVAL

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ACCOUNT No.

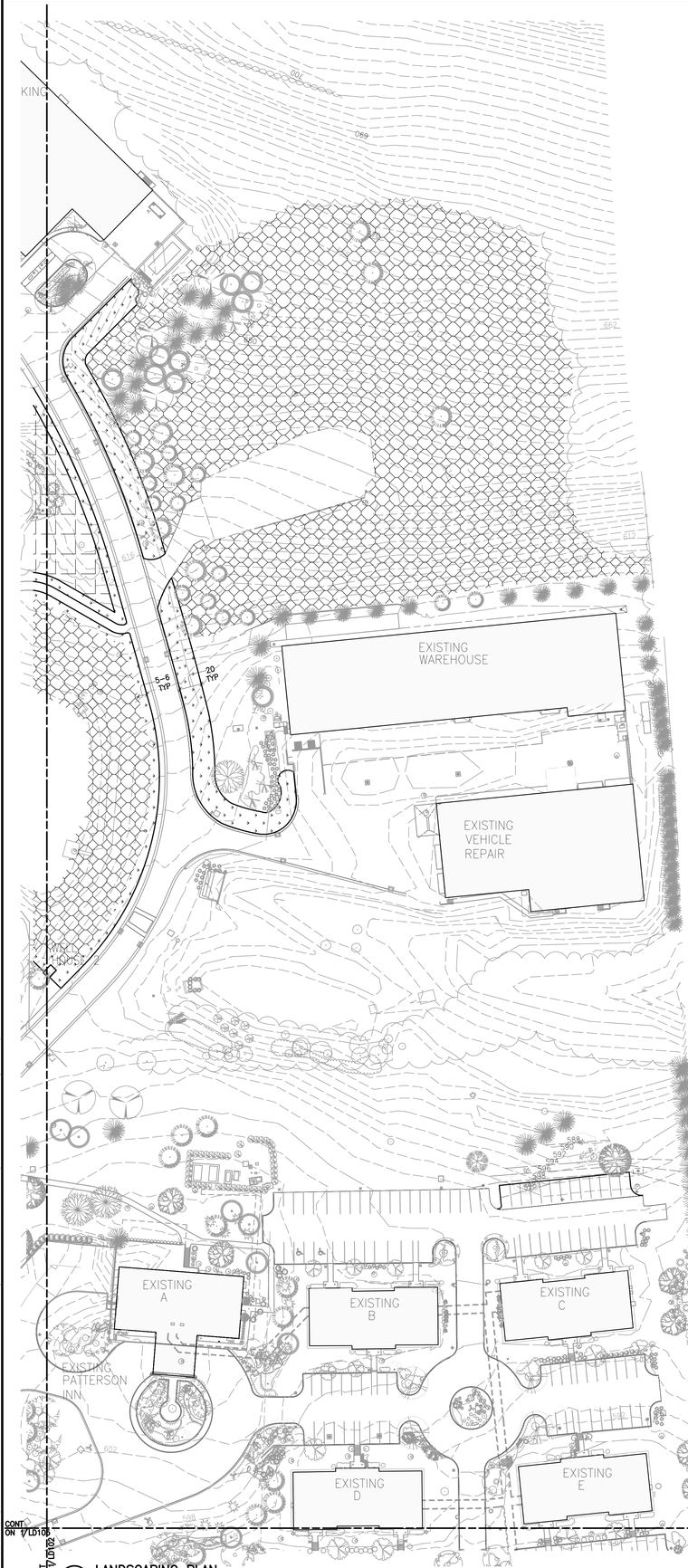
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LANDSCAPING SECTION 2

PROJECT No.
PPAT0104

SHEET No.
LD102

PLOT DATE: 2 Aug 10
DWGSCALE: 600.00
FILE PATH: \\Bkn-fs1\prm$\Projects\PPAT0104\CONSTRUCTION DOCUMENTS\3.10 Drawings\02 Landscape\Pat-LD102.dwg
PLOTTED BY: Pollock, Cynthia
DSGN\DRFT: TC/CJP
XREF: \\Common\X-Key Plan-DEFAULT.LISA
XREF: \\Common\XB.PX-LD01
XREF: \\Common\XB.PX-LD02
XREF: \\Common\X-Project Title-DEFAULT.LISA
XREF: \\Common\XB.PX-C-0500



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0 25 50 100

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CRABAPPLE

Nyssa sylvatica
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Picea albies
NORWAY SPRUCE

Picea glauca
WHITE SPRUCE

Picea mariana
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THUNDERCLOUD PLUM

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RED OAK

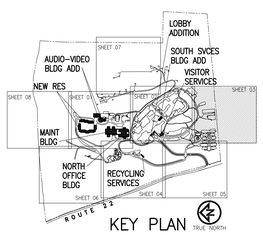
Salix blanda
WISCONSIN WEEPING WILLOW

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JAPANESE TREE LILAC

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–	15 APR 09	REVIEW & APPROVAL

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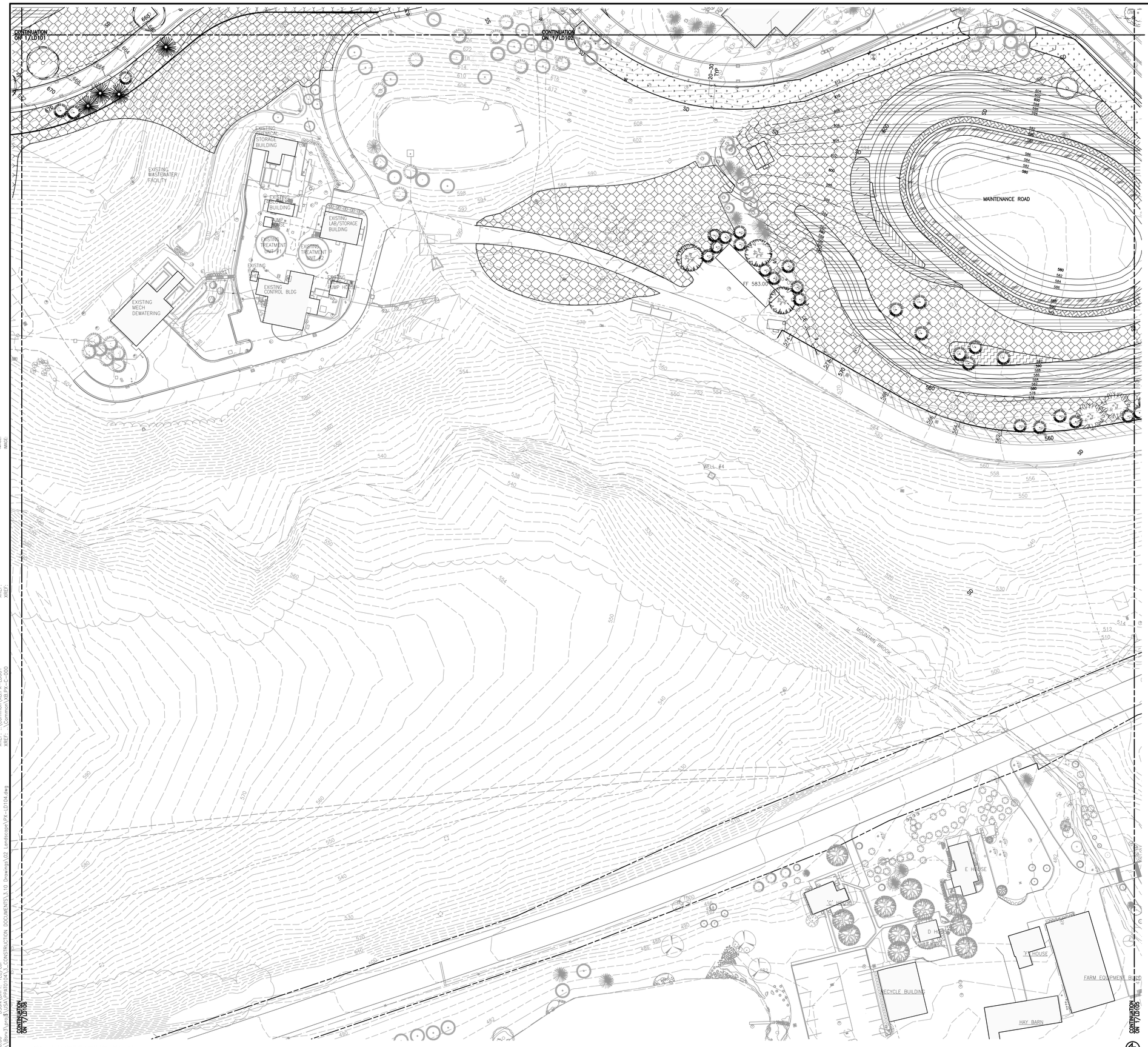
PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LANDSCAPING SECTION 3

PROJECT No.
PPAT0104

SHEET No.
LD103

XREF: \\Common\X-Key Plan-DEFAULT.E.USA
XREF: \\Common\XB-P-LD001
XREF: \\Common\XB-PX-LD001
XREF: \\Common\X-Project Title-DEFAULT.E.USA
XREF: \\Common\XB-PX-C-2000
XREF: MAGE
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PLOT DATE: 2 Aug 10
DIMSCALE: 600.00
FILE PATH: \\Brm-fs\projects$\USA\PPAT0104\3_CONSTRUCTION_DOCUMENTS\3.10 Drawings\02 Landscape\PX-LD103.dwg
PLOTTED BY: Pollock, Cynthia
DSGN\DRFT: TC/CJP



1 LANDSCAPING PLAN

1"=50' 0 25 50 100

GENERAL NOTES

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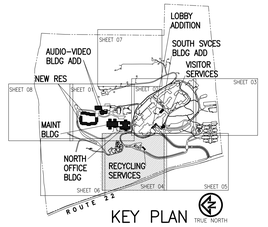
Cornus servicea 'Silver and Gold, YELLOW TWIG VARIGATED DOGWOOD

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–	15 APR 09	REVIEW & APPROVAL

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ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LANDSCAPING PLAN SECTION 4

PROJECT No.
PPAT0104

SHEET No.
LD104

PLOT DATE: 2 Aug 10 PLOTTED BY: Pollock, Cynthia
DMSCALE: 600.00 DSGN/DRFT: TLC/C-P
FILE PATH: \\Brx-cfs\prom$\USA\PPAT0104\3_CONSTRUCTION_DOCUMENTS\3.10_Drawings\LD2_Landscape\PX-LD104.dwg
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XREF: ..\Common\XB-PX-LD-Exist
XREF: ..\Common\XB-PX-LD001
XREF: ..\Common\XB-PX-C-000

CONTINUATION ON 1/LD102

CONTINUATION ON 1/LD103

MAINTENANCE ROAD

EXISTING F

EXISTING G

20'-30' TYP.

ROUTE 22

RAB

"H" HOUSE

CONTINUATION ON 1/LD104

1 LANDSCAPING PLAN

1"=50'

0 25 50 100

GENERAL NOTES

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2. WHERE POSSIBLE, A MOWING STRIP OF LAWN IS TO BE MAINTAINED ALONG ROADWAY AS SHOWN ON PLANS.

3. AREAS TO BE CONVERTED BACK TO FIELD WITH A NORTHEASTERN NATIVE WILDFLOWER MIX WILL BE MOWED ONCE OR TWICE A YEAR.

4. PLANTINGS LISTED BELOW FOR AREAS AROUND RETENTION PONDS WILL REFLECT THE RECOMMENDATIONS SITED IN APPENDIX H OF THE NYS STORMWATER MANAGEMENT DESIGN MANUAL OF AUGUST 2003. PLANTS SELECTED FOR THIS PURPOSE WILL BE FROM, BUT NOT LIMITED TO THE FOLLOWING:

SHALLOW WATER BENCH @ RECYCLE POND
NORMAL POOL TO DEPTH OF 1½ FT (587 TO 588.5)
- *Acorus calamus*, SWEET FLAG
- *Calamagrotis canadensis*, BLUE JOINT
- *Carex flacca*, BLUE SEDGE
- *Iris versicolor*, BLUE FLAG IRIS
- *Juncus effusis*, SOFT RUSH
- *Peltandra virginica*, ARROW ALUM
- *Saggitara latifolia*, ARROWHEAD
- *Saurus cornus*, LIZARD'S TAIL

ZONE 3 – SHORELINE FRINGE @ RECYCLE POND
FROM WATER'S EDGE TO 1'-0" ABOVE (588.5 TO 589.5)
- *Acorus calamus*, SWEET FERN
- *Iris versicolor*, BLUE FLAG IRIS
- *Juncus effusus*, SOFT RUSH
- *Peltandra virginica*, ARROW ALUM

PERENNIAL POND PLANTINGS @ RECYCLE POND
FROM 1'-0" ABOVE (589.5) TO BOUNDARY INDICATED ON PLAN AND AT A RATIO AS SHOWN.

	LBS/ACRE
Aquilegia canadensis, WILD COLUMBINE	2.0
Asclepias tuberosa, BUTTERFLY WEED	1.0
Aster nova-angliae (A. Spectabilis) NEW ENGLAND ASTER	2.0
Epilobium angustifolium, FIREWEED	2.0
Helianthus decapetalus, NARROW-LEAVED SUNFLOWER	1.0
Monarda fistulosa, WILD BERGAMOT, BEEBALM	2.0
Rudbeckia hirta, BLACK-EYED SUSAN	2.0
GRASS SPECIES AS FOLLOWS:	
Bromus kalmii, PRAIRIE BROME	5.0
Calamagrostis canadensis, BLUEJOINT GRASS	3.0
Elymus canadensis, CANADA WILDRYE	3.0
Eragrostis spectabilis, PURPLE LOVEGRASS	3.0
Glyceria grandis, TALL MANNAGRASS	3.0
Panicum virgatum, SWITCHGRASS	5.0
Schizachyrium scoparium, LITTLE BLUESTEM	3.0
Sorghastrum nutans, INDIAN GRASS	3.0

5. PLANTINGS LISTED BELOW FOR AREAS AROUND POND #1 AND POND #2. PLANTS SELECTED FOR THIS PURPOSE WILL BE FROM, BUT NOT LIMITED TO THE FOLLOWING:

Physocarpus opulifolius 'Diabolo', DIABOLO NINEBARK

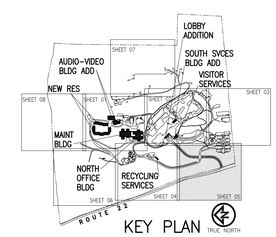
Cornus servicea 'Silver and Gold, YELLOW TWIG VARIGATED DOGWOOD

Ilex verticillzita 'Winter Red', WINTER RED WINTERBERRY

Linderz benzoin, SPICEBUSH

TREES

- *Acer palmatum* JAPANESE MAPLE
- *Acer rubrum 'Franksred'* RED SUNSET RED MAPLE
- *Acer rubrum 'October Glory'* OCTOBER GLORY RED MAPLE
- *Acer saccharum 'Globosum'* GLOBE MAPLE
- *Acer saccharum 'Green Mountain'* GREEN MOUNTAIN MAPLE
- *Betula nigra* RIVER BIRCH
- *Cedrus atlantica glauca* BLUE ATLAS CEDAR
- *Cornus kousa chinensis* KOUSA DOGWOOD
- *Cornus walteri* WALTER DOGWOOD
- *Gleditsia tricanthos inermis 'Shademaster'* SHADEMASTER HONEY LOCUST
- *Liquidamb styraciflua* SWEETGUM
- *Liriodendron tulipifera* TULIP TREE
- *Malus x arnoldiana* CRABAPPLE
- *Nyssa sylvatica* BLACK TUPELO, BLACKGUM, SOURGUM
- *Picea albies* NORWAY SPRUCE
- *Picea glauca* WHITE SPRUCE
- *Picea mariana* BLACK SPRUCE
- *Picea pungens var. glauca* COLORADO BLUE SPRUCE
- *Prunus cerasifera 'Thundercloud'* THUNDERCLOUD PLUM
- *Quercus rubra* RED OAK
- *Salix blanda* WISCONSIN WEEPING WILLOW
- *Syringa reticulata* JAPANESE TREE LILAC
- *Tilia cortata* LITTLELEAF LINDEN
- *Thuja occidentalis* ARBORVAITI
- VARIOUS SHRUBS TO BE DETERMINED LATER



KEY PLAN TRUE NORTH

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–	06 AUG 10	FILING
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–	15 APR 09	REVIEW & APPROVAL

OWNER:
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25 COLUMBIA HEIGHTS
BROOKLYN, NY 11201

ACCOUNT No.

PROJECT TITLE:
WATCHTOWER EDUCATIONAL CENTER AMENDED SITE PLAN
100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LANDSCAPING SECTION 5

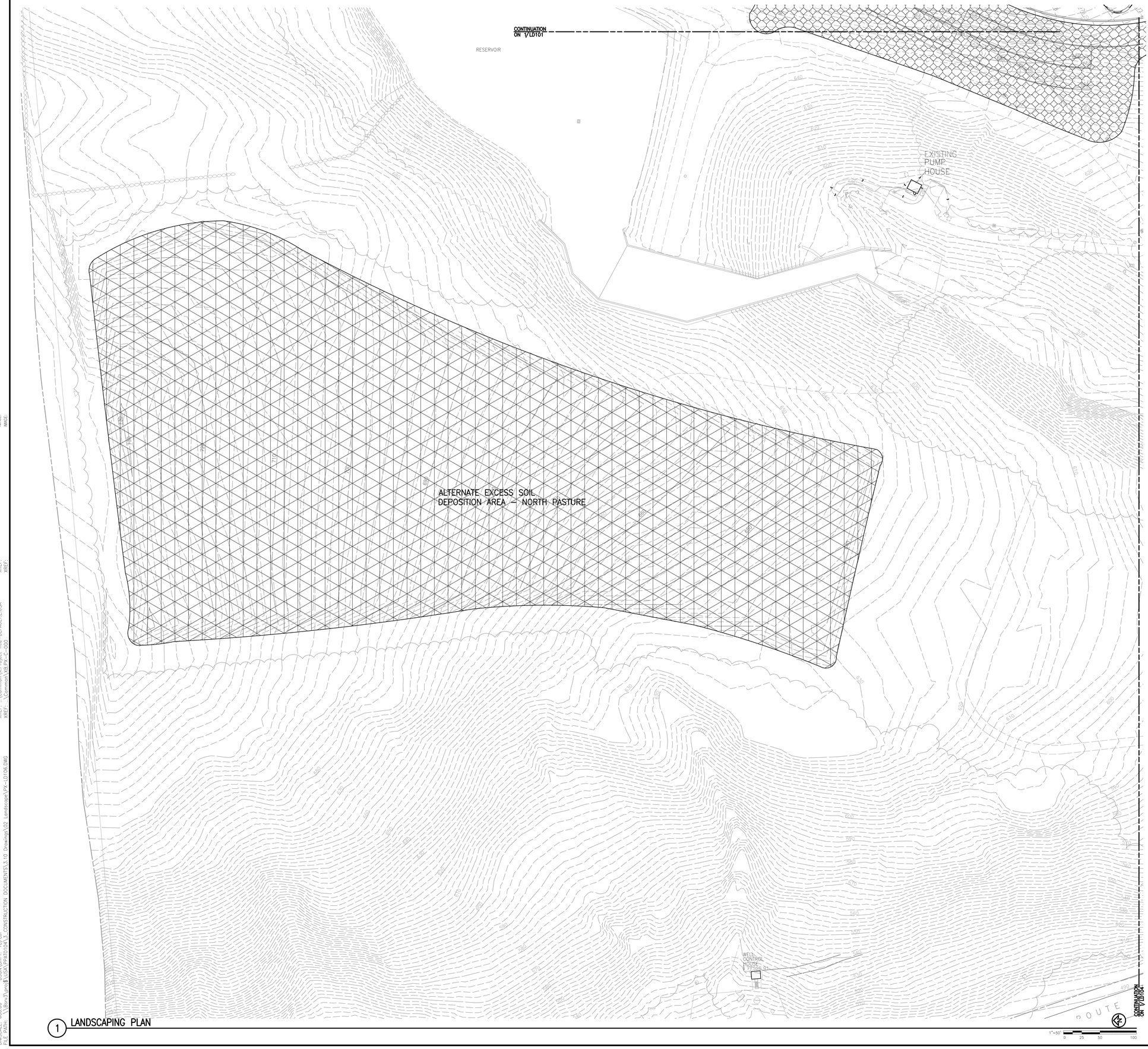
PROJECT No.
PPAT0104

SHEET No.
LD105

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PLOTTED BY: Pollock, Cynthia
DSIGN\DRFT: TC/CJP



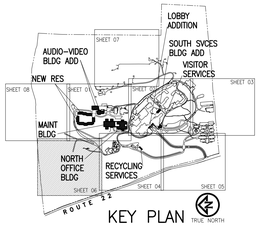
1 LANDSCAPING PLAN

GENERAL NOTES

1. DUE TO THE PROXIMITY OF THE RETENTION PONDS TO THE NEW CONSTRUCTION, THE FINAL LANDSCAPE PLANTING PLAN AT NEW BUILDINGS WILL REFLECT THE MORE FORMAL PLANTING SCHEME AROUND EXISTING BUILDINGS.

2. AREAS TO BE CONVERTED BACK TO FIELD WITH A NORTHEASTERN NATIVE WILDFLOWER MIX WILL BE MOWED ONCE OR TWICE A YEAR.

3. PASTURE MIX TO BE SPREAD IN THIS AREA. TYPES OF SEEDS TO BE DETERMINED LATER.



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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LANDSCAPING SECTION 6

PROJECT No.
PPAT0104

SHEET No.
LD106

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PLOTTED BY: Pollock, Cynthia
DSGN\DRFT\: TC/CJP
PLOT DATE: 2 Aug 10
DIMSCALE: 600.00
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GENERAL NOTES

1. STOCKPILE TOPSOIL FROM DISTURBED AREAS. ONCE THE SPOILS AREA HAS BEEN FILLED, GRADE IT AS SMOOTH AS POSSIBLE. COVER WITH THE RESERVED TOPSOIL AND SEED WITH A NORTHEASTERN NATIVE WILDFLOWER SEED MIX.

2. MULCH EITHER WITH A COMBINATION OF HYDRO-SEEDING OR ADDING STRAW LATER. IF RIVERLETS FORM, STAKE BURLAP TO PROTECT THOSE AREAS.

3. ALLOW AREA TO SETTLE FOR TWO YEARS AND THEN CHECK TO SEE IF ANY TREES HAVE SPROUTED. IF NOT, A FEW NATIVE SPECIES CAN BE INTRODUCED INTO THE AREA.

4. SEE DRAWING CG502, DETAIL 1 FOR EXISTING VEGETATION PROTECTION.

EXISTING TREES TO BE REMOVED FOR THE SPOILS AREA, TYP

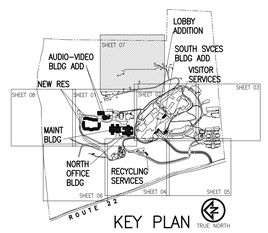
EXISTING EXCESS SOIL DEPOSITION AREA

CONTINUATION ON 1/LD102

CONTINUATION ON 1/LD101

1 LANDSCAPING PLAN

1"=50'
0 25 50 100



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100 WATCHTOWER DRIVE
PATTERSON, NY 12563

SHEET TITLE:
LANDSCAPING SECTION 7

PROJECT No.
PPAT0104

SHEET No.
LD107

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PLOT DATE: 2 Aug 10 PLOTTED BY: Pollock, Cynthia
DIMSCALE: 600.00 DGGN\DRFT: TC/CJP
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