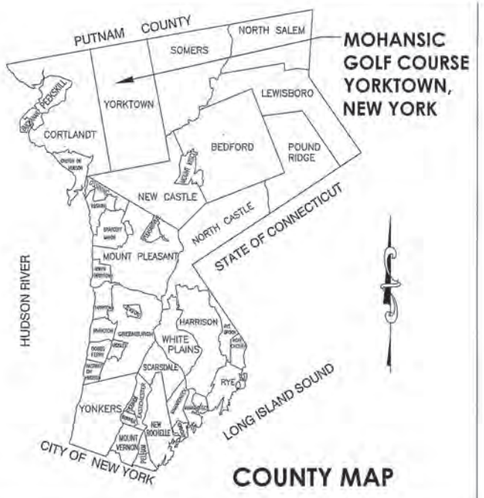

COUNTY MAP

Westchester gov.com

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT No. 17-539
NEW GOLF CART STORAGE FACILITY, AND CLUBHOUSE UPGRADES MOHANSIC GOLF COURSE YORKTOWN, NEW YORK

SITE

LOCATION PLAN

SHEET NO.	SHEET TITLE	DPW FILE NO.
T - 100	TITLE, INDEX TO THE DRAWINGS	10-02-T-34-0
L - 100	EROSION CONTROL, CODE NOTES	10-02-L-35-0
L - 101	SITE PLAN & EX'G. UTILITIES - TEST BORING	10-02-L-36-0
L - 102	EX'G. GOLF CART STORAGE SHED - STAGING PLAN	10-02-L-37-0
L - 103	NEW GOLF CART STORAGE SHED - SITE PLAN	10-02-L-38-0
D - 101	EX'G. GOLF CART STORAGE SHED - DEMOLITION PLAN	10-02-D-39-0
D - 102	EX'G. CLUBHOUSE - BATHRM. & LOCKER - DEMOLITION	10-02-D-40-0
A - 101	NEW GOLF CART STORAGE SHED - PLAN	10-02-A-41-0
A - 102	CLUBHOUSE - NEW BATHRM. & LOCKERS - PLAN & ELEVATIONS	10-02-A-42-0
A - 103	NEW GOLF CART STORAGE SHED - ROOF & CEILING PLANS	10-02-A-43-0
A - 201	NEW GOLF CART STORAGE SHED - EXTERIOR ELEVATIONS	10-02-A-44-0
A - 202	NEW GOLF CART STORAGE SHED - INTERIOR ELEVATIONS	10-02-A-45-0
A - 301	NEW GOLF CART STORAGE SHED - WALL SECTIONS - ELEVATIONS	10-02-A-46-0
A - 302	NEW GOLF CART STORAGE SHED - WALL SECTIONS - DETAILS	10-02-A-47-0
A - 303	NEW GOLF CART STORAGE SHED- WALL SECTIONS - ELEVATIONS	10-02-A-48-0
A - 501	DETAILS	10-02-A-49-0
A - 601	DOOR SCHEDULE & DETAILS	10-02-A-50-0
S - 001	STRUCTURAL NOTES	10-02-S-51-0
F - 101	FOUNDATION PLANS	10-02-F-52-0
F - 501	FOUNDATION SECTIONS & DETAILS	10-02-F-53-0
S - 101	STRUCTURAL FRAMING PLANS	10-02-S-54-0
S - 501	STRUCTURAL SECTIONS & DETAILS	10-02-S-55-0
EQ- 101	WASHING, MIXING & RECYCLE EQUIPMENT	10-02-EQ-56-0
C - 101	OVERALL SITE PLAN	10-02-C-57-0
C - 102	GOLF CART STORAGE FACILITY	10-02-C-58-0
C - 103	CONSTRUCTION DETAILS	10-02-C-59-0
C - 104	CONSTRUCTION DETAILS	10-02-C-60-0
C - 105	SEPTIC TANK REPLACEMENT	10-02-C-61-0

SHEET NO.	SHEET TITLE	DPW FILE NO:
P - 001	PLUMBING SYMBOLS, ABBREVIATIONS & NOTES	10-02-P-62-0
P - 101	CART STORAGE SHED -- PLUMBING DEMOLITION PLAN	10-02-P-63-0
P - 102	BATHROOM & LOCKERS -- PLUMBING DEMOLITION PLAN	10-02-P-64-0
P - 201	CART STORAGE SHED -- PLUMBING NEW WORK PLAN	10-02-P-65-0
P - 202	BATHROOM & LOCKERS -- PLUMBING NEW WORK PLAN	10-02-P-66-0
P - 601	PLUMBING SCHEDULES	10-02-P-67-0
P - 701	PLUMBING DETAILS 1 OF 2	10-02-P-68-0
P - 702	PLUMBING DETAILS 2 OF 2	10-02-P-69-0
M - 001	MECHANICAL SYMBOLS, ABBREVIATIONS & NOTES	10-02-M-70-0
M - 201	CART STORAGE SHED -- MECHANICAL NEW WORK PLAN	10-02-M-71-0
M - 202	BATHROOM & LOCKERS -- MECHANICAL NEW WORK PLAN	10-02-M-72-0
M - 601	MECHANICAL SCHEDULES	10-02-M-73-0
M - 701	MECHANICAL DETAILS 1 OF 2	10-02-M-74-0
M - 702	MECHANICAL DETAILS 2 OF 2	10-02-M-75-0
E - 001	ELECTRICAL SYMBOLS, ABBREVIATIONS & NOTES	10-02-E-76-0
E - 002	ELECTRICAL NOTES	10-02-E-77-0
E - 010	ELECTRICAL SITE DEMOLITION PLAN	10-02-E-78-0
E - 020	ELECTRICAL NEW WORK SITE PLAN	10-02-E-79-0
E - 101	CART STORAGE SHED -- ELEC. DEMOLITION PLAN	10-02-E-80-0
E - 102	BATHROOM & LOCKERS -- ELEC. DEMOLITION PLAN	10-02-E-81-0
E - 201	CART STORAGE SHED -- ELEC. LIGHTING PLAN	10-02-E-82-0
E - 202	BATHROOM & LOCKERS -- ELEC. LIGHTING PLAN	10-02-E-83-0
E - 301	CART STORAGE SHED -- ELEC. NEW WORK PLAN	10-02-E-84-0
E - 302	BATHROOM & LOCKERS -- ELEC. NEW WORK PLAN	10-02-E-85-0
E - 401	CART STORAGE SHED -- FIRE ALARM NEW WORK PLAN	10-02-E-86-0
E - 402	BATHROOM & LOCKERS -- FIRE ALARM NEW WORK PLAN	10-02-E-87-0
E - 501	ELECTRICAL ONE-LINE DIAGRAM	10-02-E-88-0
E - 502	FIRE ALARM RISER DIAGRAM	10-02-E-89-0
E - 601	ELECTRICAL SCHEDULES	10-02-E-90-0
E - 701	ELECTRICAL DETAILS	10-02-E-91-0
E - 702	ELECTRICAL DETAILS	10-02-E-92-0

GENERAL NOTES:

1. TREAT ALL MATERIALS AND BUILDING COMPONENTS, REGARDLESS OF APPARENT CONDITION, WITH EXTREME CARE.
2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS, DIMENSIONS AND CLEARANCES IN THE FIELD AND NOTIFY THE ARCHITECT OF ANY APPARENT CONFLICTING CONDITIONS OR DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
3. DIMENSIONS ON THE DRAWINGS ARE FOR DESIGN ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD CHECKING ALL MEASUREMENTS BEFORE COMMENCEMENT OF WORK. CONTRACTOR IS NOT TO SCALE DRAWINGS FOR DIMENSIONS.
4. INFORMATION IN THE CONSTRUCTION DOCUMENTS WHICH MAY APPEAR CONFLICTING, UNCLEAR OR SUBJECT TO INTERPRETATION MUST BE REFERRED TO THE ARCHITECT FOR INTERPRETATION PRIOR TO THE COMMENCEMENT OF WORK.
5. NO WORK IS TO BE PERFORMED BEYOND THE PROJECT LIMIT LINES EXCEPT WHERE INDICATED OTHERWISE. NO WORK IS TO BE PERFORMED BEYOND THE PROPERTY LINES.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFE MAINTENANCE OF THE SITE AND BUILDING.
7. KEEP ALL BUILDING EXITS READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES. EXIT DOORS ARE TO BE READILY OPERABLE AT ALL TIMES FROM THE EGRESS SIDE.
8. PROVIDE AN APPROPRIATE SEPARATION AT THE JUNCTURE OF DISSIMILAR MATERIALS.

PROJECT INFORMATION	
CLIENT:	PARKS DEPT.: WESTCHESTER COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION
NAME & ADDRESS:	MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
TYPE OF WORK:	NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
DESCRIPTION:	DEMOLISH THE ENTIRE EXISTING CART STORAGE SHED. CONSTRUCT NEW SLAB, DRIVEWAY & PRE-FABRICATED METAL BUILDING. CART STORAGE BLDG. SHAL HAVE: STONE BASE BAND, WOOD CLAPBOARD, SLATE ROOF, WINDOWS & GARAGE DOORS. BATHROOM IS RENOVATED WITH NEW LAYOUT, FIXTURES, SHOWERS & LOCKERS.

CONSTRUCTION CODES	
TYPE	APPLICABLE CODES
BUILDING	2015 IBC - INTERNATIONAL BUILDING CODE*
PLUMBING	2015 IPC - INTERNATIONAL PLUMBING CODE*
MECHANICAL	2015 IMC - INTERNATIONAL MECHANICAL CODE*
ELECTRICAL	2015 IEC - INTERNATIONAL ELECTRICAL CODE*
FIRE PROTECTION	2015 IFC - INTERNATIONAL FIRE CODE*
ENERGY	2015 IECC - INTERNATIONAL ENERGY CONSERVATION CODE*
EXISTING BUILDING	2015 IEBC - INTERNATIONAL EXISTING BUILDING CODE*
RESIDENTIAL	2015 IRC - INTERNATIONAL RESIDENTIAL CODE*
FUEL GAS	2015 IFGC - INTERNATIONAL FUEL GAS CODE*
PROPERTY	2015 IPMC - INTERNATIONAL PROPERTY MAINTENANCE CODE*

* ALL CODES AS ADOPTED BY NEW YORK STATE WITH APPLICABLE STATE & LOCAL AMMENDMENTS

CODE DATA

CATEGORY	REQUIREMENT	CODE REF.	PROVIDED	REMARKS
CONSTRUCTION TYPE	II-B	TABLE 601	TABLE 601	
USE GROUP	S-1	SEC. 311.2	SEC. 311.2	
ALLOWABLE AREA	UNLIMITED	TABLE 503	TABLE 503	
ALLOWABLE HEIGHT	11 STORIES			
OCCUPANT LOAD	NA			
NUMBER OF EXITS	NA			
DISTANCE TO EXIT	NA			
EXIT WIDTH	NA			
FIRE SEPARATION	NA			
FINISHES				
EXIT CORRIDORS	NA			
EXIT PASSAGE	NA			
ROOMS	NA			
FLOORS	NA			

ENERGY CODE NOTE:
THE GOLF CART STORAGE FACILITY IN THIS PROJECT COMPRISES A NEW STORAGE FACILITY THAT IS SEASONAL USE ONLY & AS SUCH AN 'UN-CONDITIONED' STRUCTURE. THE BATHROOM UPGRADES COMPRISE IMPROVEMENTS TO LAYOUT, FIXTURES, SHOWERS & LOCKERS WITHIN THE EXISTING BUILDING. THERE ARE NO ALTERATIONS TO THE EXISTING BUILDING THERMAL ENVELOPE.

OCCUPANCY				
TOTAL AREA	NA			
CALCULATIONS				

NA = NOT APPLICABLE FOR PROJECT

ZONING: TOWN OF YORKTOWN

SECTION_____BLOCK_____LOT_____

ZONING DISTRICT: R1-160 (WESTCHESTER COUNTY)

ZONING ITEM	REQUIRED	EXISTING	PROPOSED
LOT AREA	NA		
LOT FRONTAGE	NA		
FRONT YARD	NA		
REAR YARD	NA		
SIDE YARD (ONE SIDE)	NA		
SIDE YARD (TWO SIDES)	NA		
HEIGHT	NA		
BUILDING AREA	NA		
SITE COVERAGE	NA		
FAR (FLOOR AREA RATIO)	NA		

ENERGY CODE COMPLIANCE

PER IEBC 811.1 ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE IECC AS THEY RELATE TO NEW CONSTRUCTION ONLY.

NEW YORK STATE CLIMATE ZONE: 4 - PER ECCCNYS-2016 COMMERCIAL PRESCRIPTIVE TABLE C402.1.3
BUILDING IS 'NON-CONDITIONED', SEASONAL USE ONLY.

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA

RECOMMENDED FOR DESIGN 5-6-21 DATE	APPROVED FOR CONSTRUCTION DATE	APPROVED FOR CONSTRUCTION 5/4/21 DATE
ADAM KAPLINSKI, R.A.	GAYLE KATZMAN, P.E.	KATHLEEN M. O'CONNOR
ASSOCIATE ARCHITECT	FIRST DEPUTY COMMISSIONER	COMMISSIONER
DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION	DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION	DEPARTMENT OF PARKS, RECREATION & CONSERVATION

APPROVED FOR CONSTRUCTION 5/6/21 DATE
HUGH J. GREECHAN JR., P.E.
COMMISSIONER
DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION

OLA Consulting Engineers
50 Broadway
Hawthorne
New York
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olace.com

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
235 Mamaroneck Avenue
White Plains, NY 10605
914 - 428 - 0909

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
TITLE, INDEX TO THE DRAWINGS

CONTRACT NUMBER 17-539
SHEET NUMBER T-100
SHEET NO. 1 OF 59
SCALE:
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-T-34
REV. NO. 0

EROSION AND SEDIMENT CONTROL PLAN SPECIFICATIONS

1. DESCRIPTION OF WORK

PROVIDE ALL MEANS NECESSARY TO INSTALL, INSPECT AND MAINTAIN AND REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO MINIMIZE THE EROSION AND UNSPECIFIED TRANSPORT OF SOIL FROM THE SITE.

2. QUALITY ASSURANCE:

A. GENERAL:

i. INSTALL AND MAINTAIN IN COMPLIANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.

ii. INSTALL IN ACCORDANCE WITH THE DRAWINGS OR NEW YORK: GUIDELINES FOR URBAN EROSION & SEDIMENT CONTROL, FOURTH PRINTING, 1997 (N.Y. GUIDELINES) OR THE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES MANUAL SERIES, WESTCHESTER COUNTY, NY, 1991 (W.C. GUIDELINES), WHICHEVER IS STRICTER.

iii GRADE AND MAINTAIN SITE AT ALL TIMES SUCH THAT ALL STORM WATER RUNOFF FROM DISTURBED AREAS IS DIVERTED TO SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES.

iv NO CHANGES TO THE SOIL EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MADE WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE.

v. NO MORE THEN FIVE ACRES OF SOIL, NOT PROTECTED BY EROSION AND SEDIMENTATION CONTROL MEASURES, CAN BE DISTURBED AT ANY TIME.

vi. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS RELATING TO THE PREVENTION AND ABATEMENT OF POLLUTION.

B. PRODUCT DATA:
SUBMIT MANUFACTURERS CATALOGUE CUTS, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR SILT FENCES, FILTER FABRICS, EROSION CONTROL BLANKETS, TRASH ROCKS, ANTI-SEEP COLLARS AND SEDIMENT TRAP RISER AND BARREL PIPES.

3. WORK SCHEDULE

A. PRE-CONSTRUCTION PHASE:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. PRIOR TO CLEARING VEGETATION INSTALL PERIMETER SILT FENCE/HAY BALES AND SILT FENCE AT EXISTING DETENTION BASIN.
3. PRIOR TO GRUBBING AND GRADING WITHIN A SPECIFIC
   i. TEMPORARY SEDIMENT TRAPS
   ii. TEMPORARY EARTH DIKES/SWALES.
4. PROTECT EXISTING PIPING TO REMAIN IN PLACE MAINTAINING ELEVATIONS.

B. CONSTRUCTION PHASE:

1. INSPECT AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL THEIR REMOVAL AS SPECIFIED. INSPECT MEASURES AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A 0.5 INCH OR GREATER STORM EVENT. STABILIZED AREAS WILL BE INSPECTED MONTHLY UNTIL THE ENTIRE SITE IS STABILIZED. MAINTENANCE WILL BE COMPLETED WITHIN 7 DAYS OF DETERMINING ITS NEED.
2. WHEN EXCESS SOIL FROM EARTHWORK ACTIVITIES OCCURS, STABILIZE SOIL STOCK PILES.
3. PROVIDE DUST CONTROL.
4. KEEP PAVED ROADWAYS CLEAN AT ALL TIMES.
5. TEMPORARILY STABILIZE AS SPECIFIED.
6. FOLLOWING FINISHED GRADING INSTALL TEMPORARY OR PERMANENT STABILIZATION.
7. IMMEDIATELY FOLLOWING THE INSTALLATION OF CATCH BASIN INLETS, INSTALL INLET PROTECTION.

C. POST CONSTRUCTION PHASE:

1. STABILIZE AREA AND HAVE OWNER'S REPRESENTATIVE REVIEW AND APPROVE.
2. REMOVE TEMPORARY EARTH DIKES AND VEGETATE AND PERMANENTLY STABILIZE THE RELATED DISTURBED AREAS.
3. REMOVE SEDIMENT TRAP AND VEGETATE AND PERMANENTLY STABILIZE THE RELATED DISTURBED AREAS.
4. COMPLETE WATER QUALITY BASINS, INCLUDING GRADING AND PLANTING. PERMANENTLY STABILIZE.
5. HAVE OWNER'S REPRESENTATIVE REVIEW AND APPROVE STABILIZATION OF AREAS NOTED ABOVE.
6. REMOVE PERIMETER SILT FENCE AND VEGETATE AND STABILIZE THE RELATED DISTURBED AREA.

4. PRODUCTS AND EXECUTION:

A. NO PUMPING OR DE-WATERING INTO THE PUBLIC STORM SEWER MAIN WITHOUT PRE-FILTERING AS APPROVED BY WCDEF.

B. INLET PROTECTION: THE FILTER FABRIC SHALL BE "MIRAFI 700X" OR EQUAL.

C. STABILIZED CONSTRUCTION AREA: THE FILTER FABRIC SHALL BE "MIRAFI 600X" OR EQUAL. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.

D. SILT FENCE: SILT FENCE FABRIC SHALL BE "MIRAFI 100X OR EQUAL. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD A MINIMUM 36 INCHES LONG AND TWO INCHES SQUARE. METAL POSTS SHALL BE STANDARD "T" AND "U" SECTION WEIGHING NOT LESS THAN ONE POUND PER LINEAR FOOT. WIRE FENCE BACKING SHALL BE A MINIMUM 14½ GAGE WITH A MAXIMUM SIX INCH MESH OPENING AND SECURELY ATTACHED TO FENCE POSTS. POSTS SHALL EXTEND A MINIMUM OF 16 INCHES INTO THE GROUND.

E. HALE BALE BARRIERS; WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD A MINIMUM 36 INCH LONG. METAL POSTS SHALL BE STANDARD "T" OR "U" SECTION WEIGHING A MINIMUM OF NOT LESS THAN ONE POUND PER LINEAR FOOT.

F. TEMPORARY STABILIZATION:

i. ESTABLISHMENT OF TEMPORARY GRASS COVER: PREPARE SEED BED, SCARIFY IF COMPACTED, REMOVE DEBRIS AND OBSTACLES SUCH AS ROCKS AND STUMPS AND SEED WITHIN 24 HOURS. AMEND SOIL, LIME SOIL TO PH OF 6.0 AND FERTILIZE AT A RATE OF 14 POUNDS PER 1000 SQUARE FEET WITH A 5-10-10 OR EQUIVALENT FERTILIZER. WORK AMENDMENTS A MINIMUM OF 4 INCHES INTO SOIL. IF SEEDING IN OCTOBER/NOVEMBER SEED SHALL BE CERTIFIED AROOSTOOK WINTER RYE @ 100 POUNDS PER ACRE, OTHERWISE SEED SHALL BE RYE GRASS (ANNUAL OR PERENNIAL) @ 30 POUNDS PER ACRE.

ii. MULCH: SMALL GRAIN STRAW MULCH SHALL BE APPLIED AT A RATE OF TWO TONS (100 TO 120 BALES) PER ACRE. SLOPES GREATER THEN 50% SHALL BE IMMEDIATELY MULCHED WITH EROSION CONTROL BLANKETS. BLANKETS SHALL BE "BON TERRA S2 " INSTALLED AS RECOMMENDED BY MANUFACTURER.

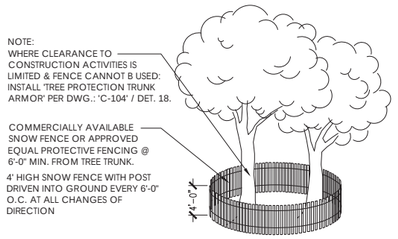
iii. TREAT ALL DISTURBED AREAS AS NECESSARY TO PROVIDE DUST CONTROL. CONFORM TO LOCAL AND STATE REGULATIONS GOVERNING THESE ACTIVITIES.

iv. INSTALL TEMPORARY STABILIZATION WITHIN 24 HOURS AFTER THE END OF CONSTRUCTION ACTIVITIES IN AN AREA UNLESS THERE IS SNOW COVER OR CONSTRUCTION ACTIVITIES WILL RESUME WITHIN 21DAYS.

G. CONSTRUCTION VEHICLES: THOROUGHLY WASH DOWN ALL CONSTRUCTION VEHICLES EACH TIME THEY LEAVE THE SITE AND COVER WITH TARPAULINS AS NECESSARY TO PREVENT VEHICLE TRANSPORT OF SEDIMENT OFF-SITE. DIRECT WASTEWATER FROM WASH DOWN OPERATIONS TO A SEDIMENT TRAP.

7 EROSION CONTROL NOTES

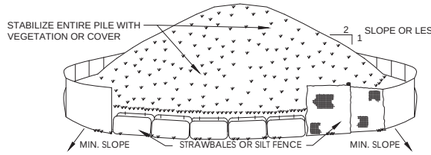
IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA



NOTES:

1. TREES TO BE PROTECTED DURING CONSTRUCTION WITH PROTECTIVE FENCING ERECTED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION.
2. NO CONSTRUCTION ACTIVITY IS PERMITTED WITHIN THE PROTECTIVE FENCING.
3. THE FENCING WILL BE REMOVED AT THE COMPLETION OF CONSTRUCTION.
4. AT THE COMPLETION OF CONSTRUCTION ALL TREES WILL BE PRUNED AS NECESSARY TO CORRECT ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITY.

3 TREE PROTECTION
NTS

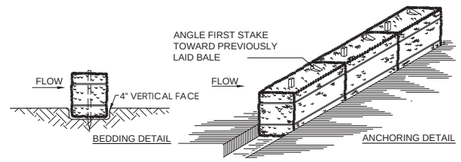


INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. SOILS OR FILL TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHOULD BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
3. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
4. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
5. STOCKPILES REMAINING IN PLACE FOR MORE THAN A WEEK SHOULD BE SEEDED AND MULCHED OR COVERED WITH GEOTEXTILE FABRIC SURROUNDED BY SILT FENCE.
6. SEE DETAIL THIS SHEET FOR INSTALLATION OF SILT/FENCE.

2 SOIL STOCKPILE
NTS

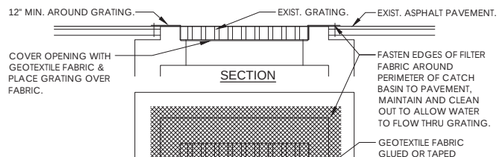
NOTE: DETAIL IS ALSO SHOWN ON: DWG.: 'C-104' / DET. 17.



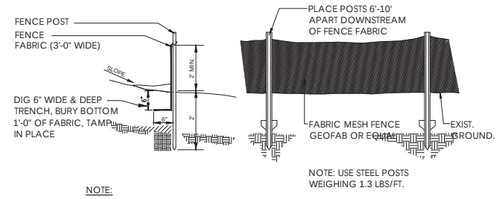
NOTES:

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

1 HAY BALE
NTS



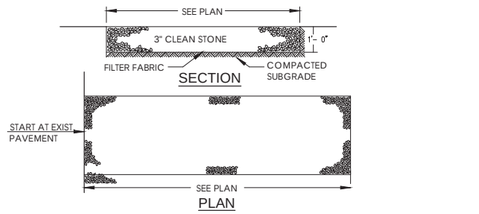
6 FABRIC AT INLET
NTS



NOTE:

AT THE COMPLETION OF THE PROJECT AND AFTER SOIL STABILIZATION AND VEGETATIVE GROWTH HAVE BEEN ASSURED, THE SILT FENCE MUST BE COMPLETELY REMOVED AND THE EMBEDMENT TRENCH RESTORED TO A NATURAL CONDITION.

5 SILT FENCE
NTS



INSTALLATION NOTES

1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLE CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS 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 RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. 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.

4 STABILIZATION
NTS

PROJECT GENERAL DESCRIPTION: WORK INCLUDES BUT IS NOT LIMITED TO:

DEMOLITION:	DEMOLISH EX'G. CART STORAGE SHED. RETAIN ORIG. STONE SHED. DEMOLISH RELATED FOUNDATIONS. DEMOLISH EX'G. 2 ND. FLOOR CLUBHOUSE BATHROOM & SHOWER FIXTURES.
NEW GOLF CART STORAGE FACILITY:	NEW PRE-ENGINEERED METAL BUILDING FOR CART STORAGE. RE-PURPOSING OF EX'G. ORIGINAL SHED AS WORKSHOP. NEW WASH-WATER TREATMENT & FUELING EQUIP. & RELATED CANOPY.
CLUBHOUSE UPGRADES:	RENOVATE EX'G. BATHROOM FOR NEW MENS & WOMENS BATHROOM, SHOWERS & LOCKERS. RE-PURPOSE EX'G. BATHRM. & SHOWERS AS STORAGE & MECH. RM.
SITEWORK:	NEW GRADING, LAWNS, DRIVEWAYS, UTILITIES, DRAINAGE & SEPTIC.

USE & OCCUPANCY CLASSIFICATION:

BUILDING OCCUPANCY:	**'B'**:	OFFICES & BATHROOMS:	3,030 S.F. / 100: 31 PERSONS.
	'S-1'	MODERATE HAZARD STOR.	3,580 S.F. / 100: 36 PERSONS.
	'S-2'	LOW HAZARD STORAGE	300 S.F. / 300: 1 PERSON.
CONSTRUCTION TYPE:	**'2-B'**		
SPRINKLERS:	NOT REQUIRED.		NOT PROVIDED.
HEIGHT & AREA	**'B'**:	OFFICES & BATHROOMS:	3,030 S.F. / 2 STORIES.
LIMITATIONS: TABLE 503:	**'S-1'**	MODERATE HAZARD STOR.	3,580 S.F. / 1 STORY.
(BLDG. COMPLIES)	**'S-2'**	LOW HAZARD STORAGE	300 S.F. / 1 STORY.
FIRE RATINGS:	STRUCTURAL FRAME:		'0'
	EXTERIOR BEARING WALLS:		'0'
	INTERIOR BEARING WALLS:		'0'
	ROOF CONSTRUCTION:		'0'
	FIRE BARRIER WALL:		'2 HOURS' PROVIDED.
	CORRIDORS:		'1 HOUR" PROVIDED

MEANS OF EGRESS:

COMPONENT SPACES:	**'B'**:	OFFICES & BATHROOMS:	2 EXITS REQ'D. / PROVIDED.
	'S-1'	MODERATE HAZARD STOR.	2 EXITS REQ'D. / PROVIDED.
	'S-2'	LOW HAZARD STORAGE	2 EXITS REQ'D. / PROVIDED.
EXIT SIGNS:	PROVIDED.		
EMERGENCY LIGHTS:	PROVIDED.		
EXIT WIDTH	EXIT DOORS: 3'-0" CLEAR WIDTH X 0.2" = 180 PERSONS / EXIT.		
CALCULATIONS:	2 EXITS PER SPACE REQ'D.: 360 PERSONS CAPACITY.		
MAX. TRAVEL:	51'-0" MAX. DISTANCE TO NEAREST EXIT.		

PLUMBING FIXTURES:

CLUBHOUSE UPGRADES:

TYPE:	MENS	WOMENS	ACCESS:
TOILET:	1	2	1 (EX'G.)
URINAL:	2	-	-
LAVATORY:	3	3	1 (EX'G.)
SHOWER:	1	1	-
DRINKING FOUNTAIN:	(EX'G. PROVIDED.)		
SERVICE SINK:	(EX'G. PROVIDED.)		

CAPACITY: CLUBHOUSE:	MALE	FEMALE	TOTAL SERVED:
TOILET:	1 / 125	1 / 65	255 PERSONS.
URINAL:	1 / 125		250 PERSONS.
LAVATORY:	1 / 200	1 / 200	1,200 PERSONS.
SHOWER:	1 / 100	1 / 100	100 PERSONS.
DRINKING FOUNTAIN:	1 / 500		500 PERSONS.

SUMMARY: THE FIXTURE QUANTITIES PROVIDED IN THIS FACILITY EXCEED THE ANTICIPATED POPULATION AT ANY GIVEN TIME.

PROJECT & BUILDING INFORMATION:

CLIENT NAME:	WESTCHESTER COUNTY, NEW YORK. DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION.
BUILDING NAME:	NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CLASSIFICATION OF WORK:	STORAGE FACILITIES: NEW CONSTRUCTION. CLUBHOUSE UPGRADES: RENOVATION.
START DATE:	AUTUMN 2020 (ANTICIPATED).
COMPLETION DATE:	SPRING 2021 (ANTICIPATED).
APPLICABLE BUILDING CODES:	2015 IBC, 2015 IPC, 2015 IMC, 2015 IFC, 2015 IECC, ANSI 117 (A.D.A.)

ENERGY CODE:

GOLF CART STORAGE:	UNCONDITIONED BUILDING.
CLUBHOUSE UPGRADE:	INTERIOR RENOVATION ONLY. NO CHANGE TO EXISTING EXTERIOR ENVELOPE.

8 BUILDING CODE NOTES

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

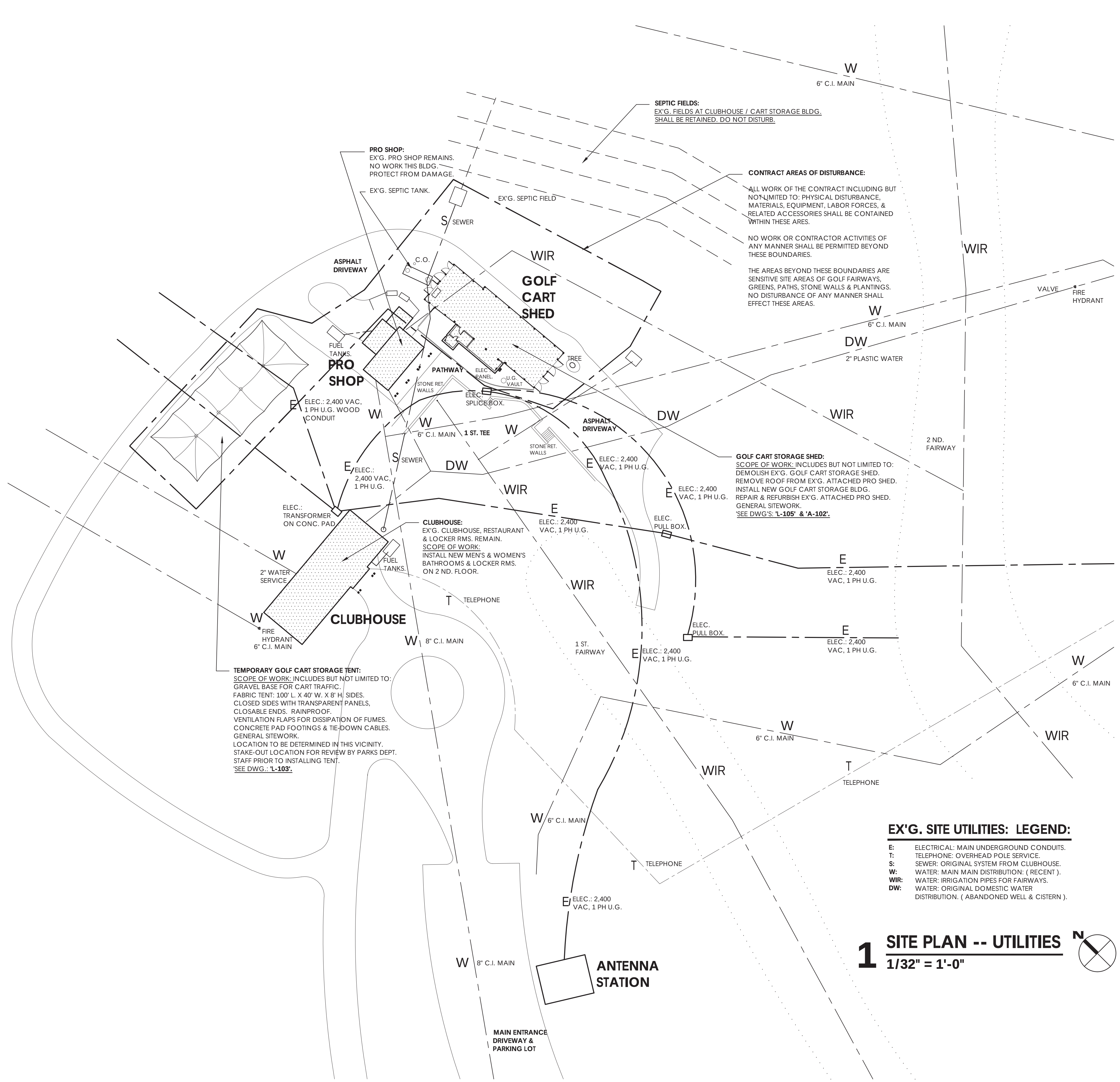
CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER L-100
SHEET NO. 2 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
EROSION CONTROL -- CODE NOTES

SCALE: 1/4" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-L-35
REV. NO. 0



1 SITE PLAN -- UTILITIES
1/32" = 1'-0"

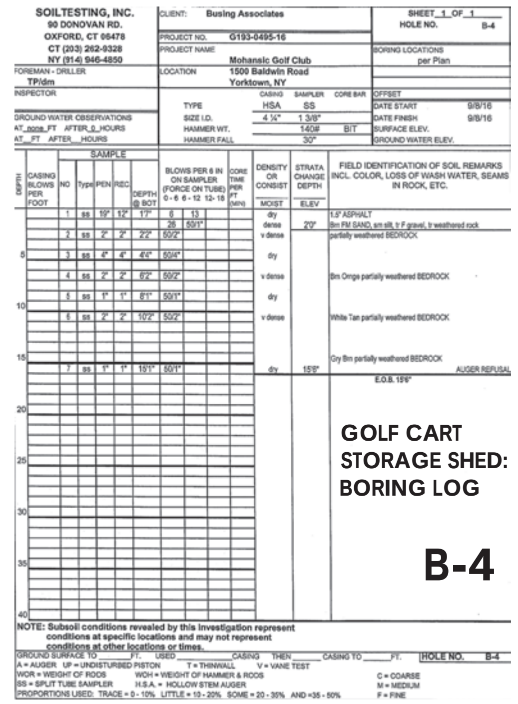
TOPOGRAPHIC ELEVATION NOTE:

TOPOGRAPHIC ELEVATIONS SHOWN ON THE TEST BORING PLANS ARE BASED ON INFORMATION DERIVED FROM PRIOR TOPOGRAPHIC SURVEY PLANS, THAT PRE-DATE RECENT SURVEYS.

REFER TO:
SITE & STAGING PLANS: 'L-102'
& SITE PLANS: 'L-103'
FOR CURRENT TOPOGRAPHIC SURVEY INFORMATION.

GENERAL CONTRACTOR SHALL PERFORM LIMITED NEW SURVEYS TO CONFIRM CRITICAL TOPOGRAPHIC ELEVATIONS & ESTABLISH BUILDING LOCATIONS.

(NOTE: BORINGS # 1, 2 & 3 WERE FOR OTHER AREAS OF THE FACILITY. ONLY BORING # 4 PERTAINS TO THIS CONTRACT SITE.)



SOILTESTING, INC.
90 DONOVAN RD.
OXFORD, CT 06478
CT (203) 262-9328
NY (914) 946-4850

CLIENT: Busing Associates
PROJECT NO. G193-0495-16
PROJECT NAME Mohansic Golf Club
LOCATION 1500 Baldwin Road Yorktown, NY
SHEET 1 OF 1 — HOLE NO. B-4
BORING LOCATIONS per Plan
FOREMAN - DRILLER TP/dm
INSPECTOR
GROUND WATER OBSERVATIONS
AT none FT AFTER 0 HOURS
AT __ FT AFTER __ HOURS

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	4 ¼"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

OFFSET
DATE START 9/8/16
DATE FINISH 9/8/16
SURFACE ELEV.
GROUND WATER ELEV.

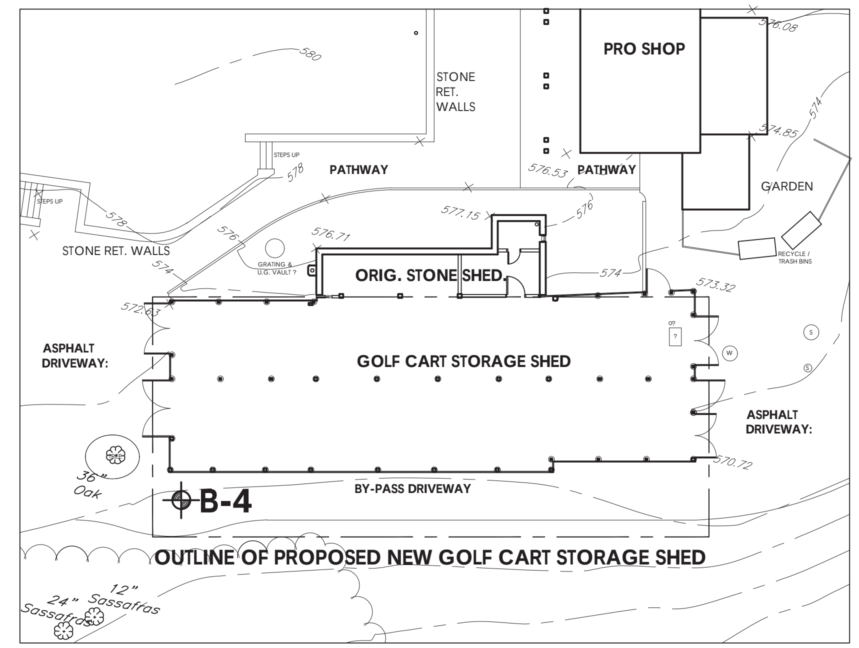
DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	19"	12"	1'7"	6	13			dry		1.5" ASPHALT
							26	50/1"			dense	2'0"	Brn FM SAND, sm silt, tr F gravel, tr weathered rock
		2	ss	2"	2"	2'2"	50/2"				v dense		partially weathered BEDROCK
5		3	ss	4"	4"	4'4"	50/4"				dry		
		4	ss	2"	2"	6'2"	50/2"				v dense		Brn Ornge partially weathered BEDROCK
		5	ss	1"	1"	8'1"	50/1"				dry		
10		6	ss	2"	2"	10'2"	50/2"				v dense		White Tan partially weathered BEDROCK
15													Gry Brn partially weathered BEDROCK
		7	ss	1"	1"	15'1"	50/1"				dry	15'6"	AUGER REFUSAL
20													E.O.B. 15'6"
25													
30													
35													
40													

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT. HOLE NO. B-4
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

GOLF CART STORAGE SHED: BORING LOG

B-4



1 GOLF CART STORAGE SHED BORING LOCATION
1/16" = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION
☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE / DATE	TITLE / DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

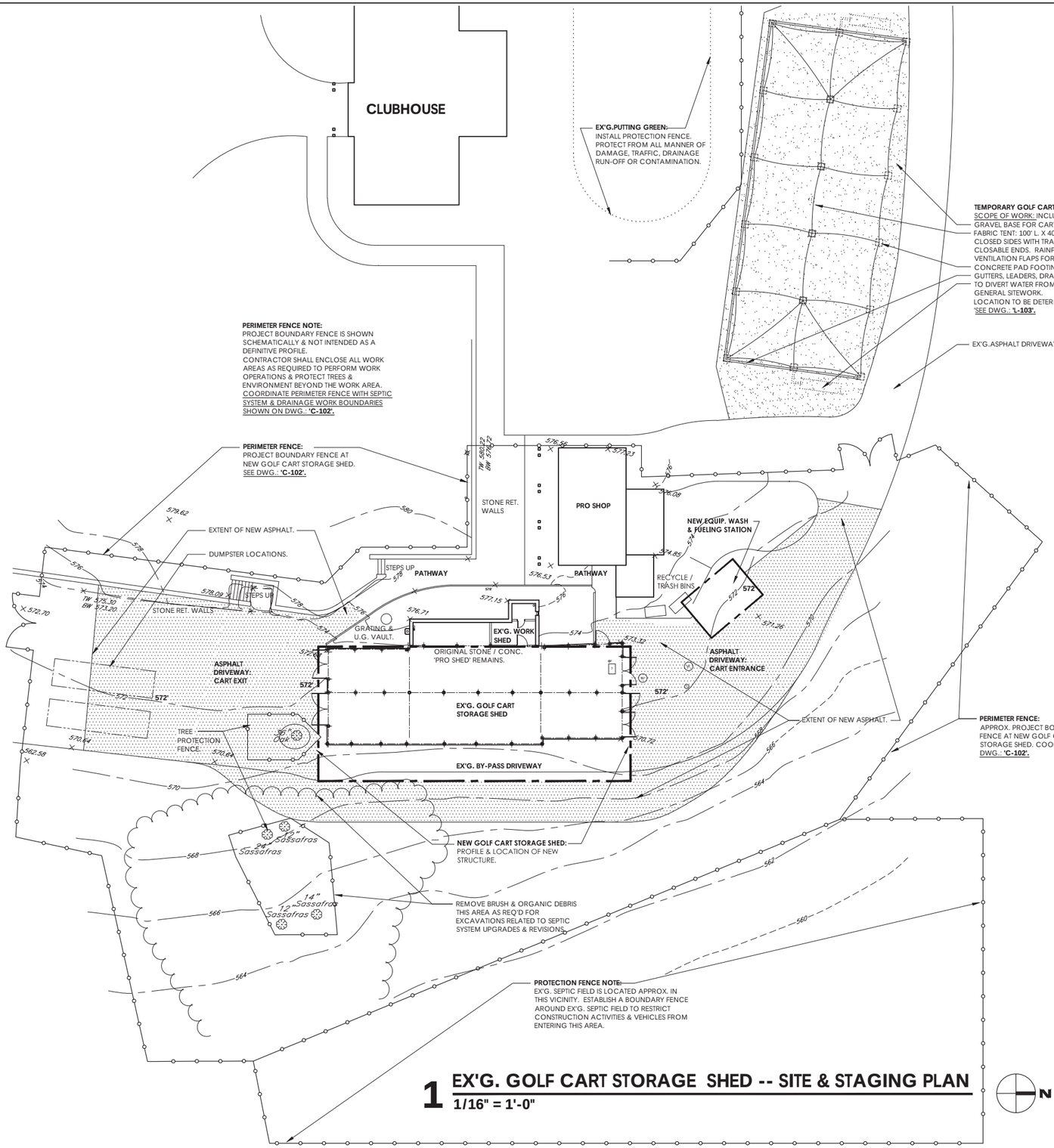
CONTRACT NUMBER 17-539 — SHEET NUMBER L-101
SHEET NO. 3 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
SITE PLAN -- EXISTING UTILITIES, TEST BORING

SCALE: 1/32" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-L-36
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



1 EX'G. GOLF CART STORAGE SHED -- SITE & STAGING PLAN

1/16" = 1'-0"

SITE & STAGING NOTES:

REFER TO GENERAL CONDITIONS & SITE SPECIFIC REQUIREMENTS FOR SAFETY & SECURITY OF WORK AREAS & PUBLIC SPACES.

WORK AREA BOUNDARY:
1. ALL WORK & EQUIPMENT SHALL BE CONTAINED WITHIN THE PERIMETER FENCE.
2. REVIEW OTHER REQUIRED WORK AREAS WITH OWNER IN ADVANCE.

PERIMETER FENCE:
1. INSTALL 8'-0" CHAIN LINK FENCE ENCLOSING ALL WORK AREAS.
2. CHAIN LINK FENCE SHALL BE DARK GREEN VINYL COATED.
3. INSTALL GREEN PCV NEEDLE 'HEDGELINK' PRIVACY INSERTS IN ENTIRE FENCE AREA & GATES.
4. ASSURE POSITIVE SEPARATION FROM WORK AREA TO PUBLIC AREAS.
5. INSTALL VEHICULAR & PERSONNEL GATES WHERE REQUIRED FOR THE WORK.

SECURITY:
1. MAINTAIN ALL GATES & ACCESS TO WORK AREAS IN A LOCKED POSITION TO RESTRICT UNAUTHORIZED ACCESS INTO WORK AREA.
2. DURING ACCESS OPERATIONS & MATERIAL MOVEMENT INTO THE WORK AREA, ESTABLISH PERSONNEL MONITORS TO PROTECT THE PUBLIC.
3. COORDINATE SCHEDULE OF OPERATIONS & MOVEMENTS 2 DAYS IN ADVANCE WITH MONITORS.

ACTIVE DRIVEWAYS:
1. DRIVEWAYS & PARKING AREAS ARE IN USE AT ALL TIMES.
2. ARRANGE TRUCK & DELIVERY TRAFFIC TO CREATE A MINIMUM OF DISTURBANCE TO DRIVEWAYS & PARKING.
3. NOTIFY OWNER 2 DAYS IN ADVANCE OF POTENTIAL VEHICULAR OBSTRUCTIONS TO DRIVEWAYS & PARKING.

GENERAL PROTECTIONS:
1. ASSURE FULL PROTECTION OF PUBLIC SAFETY AT ALL TIMES, DAY & NIGHT.
2. PROTECT EX'G. PROPERTY FROM DAMAGE DUE TO WORK OR RELATED OPERATIONS.
3. PROTECT TREES, SHRUBS, PATHS & CURBS FROM DAMAGE.
4. ITEMS DAMAGED AS A CONSEQUENCE OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS PART OF THE SCOPE OF THE CONTRACT.
5. REVIEW ALL CONDITIONS & POTENTIAL DAMAGE TO PROPERTY WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.

GENERAL SITEWORK REVIEW NOTE:

REVIEW ALL SITE DISTURBANCE IN THE FIELD PRIOR TO PERFORMING ANY SITE MOBILIZATION OR OPERATIONS.
REVIEW PROPOSED METHODS, EQUIPMENT, MATERIALS & EXTENTS WITH ARCH., CIVIL ENGINEER & OWNER PRIOR TO OCCUPYING SITE.
MAINTAIN POSITIVE BOUNDARY FENCE A MIN. 50' CLEAR OF ALL FAIRWAYS AT ALL TIMES.

TREE PROTECTIONS & REMOVALS:

TREE PROTECTIONS:
EX'G. TREES SHALL REMAIN UNLESS SPECIFICALLY NOTED FOR REMOVAL.
REVIEW EXTENT OF ALL EXCAVATION & CONSTRUCTION ACTIVITIES & EQUIPMENT MOVEMENT IN VICINITY OF TREES.
LAYOUT ALL BOUNDARIES IN FIELD WITH ARCH. PRIOR TO ANY WORK.
PROTECT ALL TREES WITHIN THE CONSTRUCTION BOUNDARY TO REMAIN.
ENCLOSE TREES IN A BARRIER FENCE UP TO THE DRIP LINE TO PROTECT GROUND ROOTS.
REVIEW ALL TREE PROTECTIONS WITH ARCH. & OWNER PRIOR TO ANY WORK.

TREE REMOVALS:
REVIEW PROCEDURE FOR REMOVALS WITH ARCH. & OWNER PRIOR TO WORK.
ESTABLISH DIRECTION & EXTENT OF FALL, EXTENT OF DAMAGE TO ADJACENT TREES & PLANTINGS, & EXTENT OF GRADE DISTURBANCE TO PROCESS THE TREE FOR REMOVAL.
REMOVE STUMP & ROOTS TO A DEPTH OF 4'-0".
REMOVE ALL TRUNKS, BRANCHES, TWIGS, LEAVES, CHIPPINGS & OTHER REMNANTS OF THE TREE FROM THE SITE.

TOPOGRAPHIC SURVEY NOTE:

TOPOGRAPHIC SURVEY INFORMATION WAS FURNISHED BY:
WARD CARPENTER ENGINEERS, INC.
76 MAMARONECK AVE.
WHITE PLAINS, NY 10601 914 - 949 - 6000
SURVEYS WERE PREPARED: 2 / 14 / 17 & 2 / 31 / 17.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

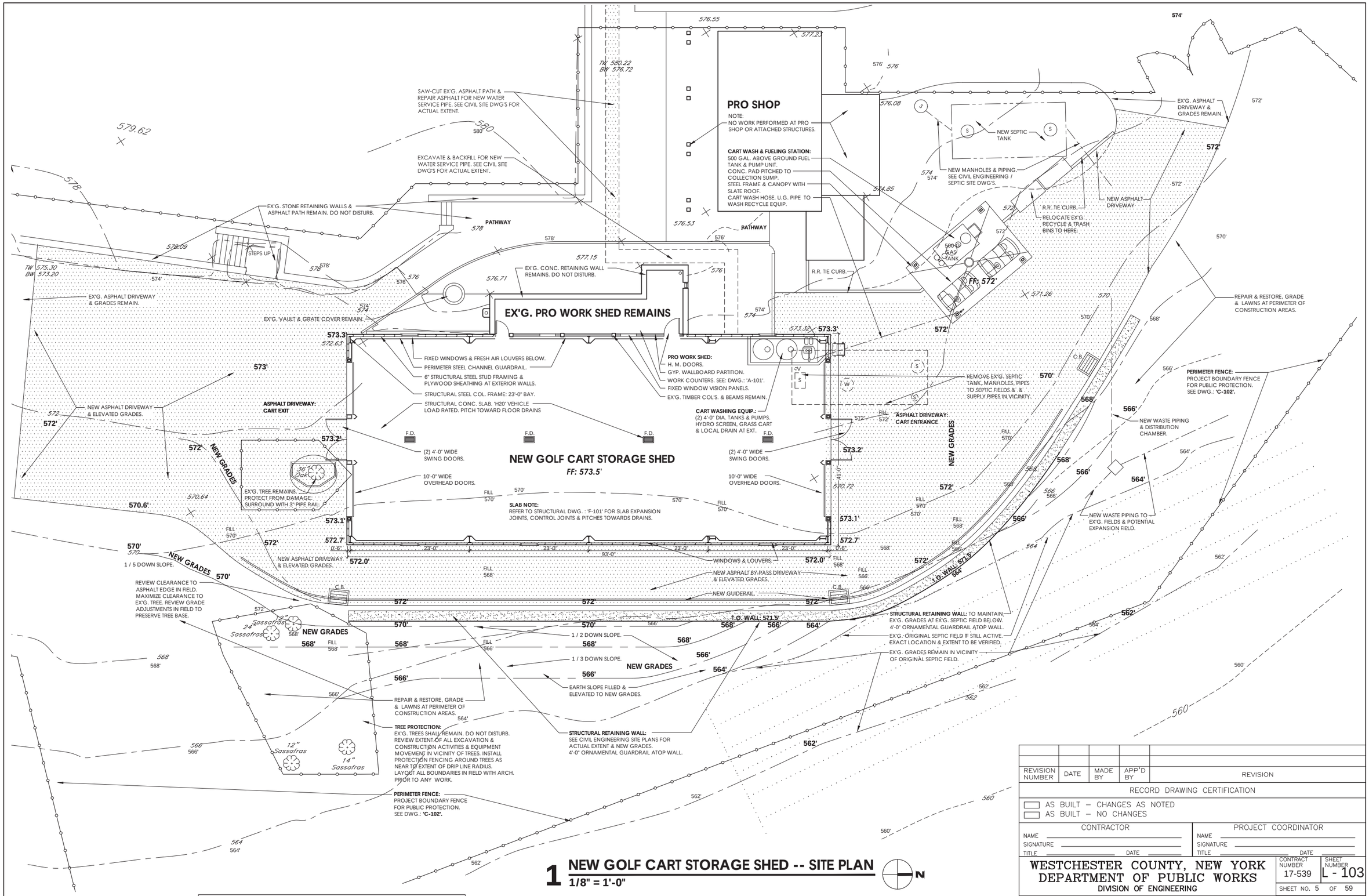
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER L-102
SHEET NO. 4 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
EXIST. CART STORAGE SHED -- STAGING PLAN

SCALE: 1/16" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-L-37
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA



1 NEW GOLF CART STORAGE SHED -- SITE PLAN

1/8" = 1'-0"

N

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

- ☐ AS BUILT – CHANGES AS NOTED
- ☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539 | SHEET NUMBER L - 103

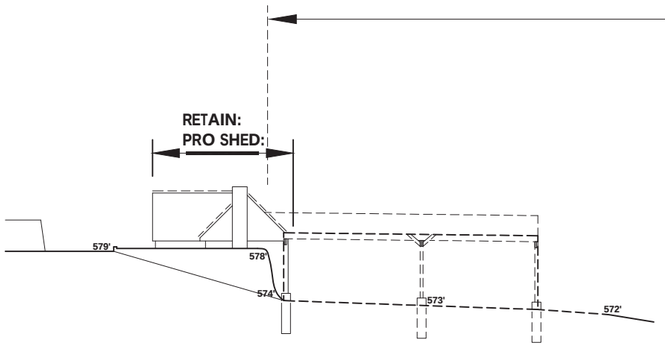
SHEET NO. 5 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
NEW GOLF CART STORAGE SHED -- SITE PLAN

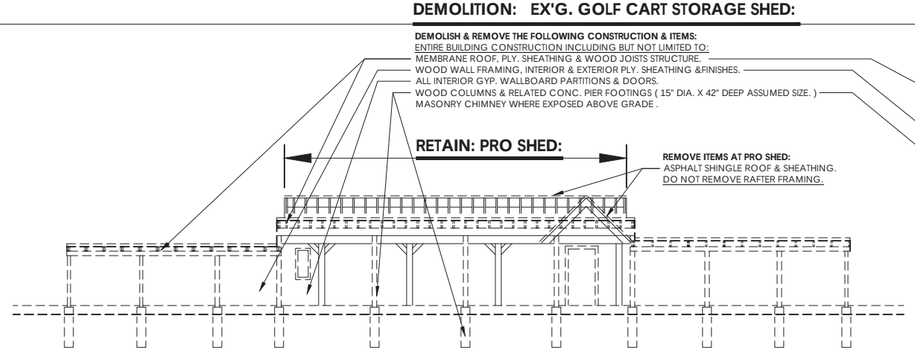
SCALE: 1/8" = 1'-0"
DATE: 6 / 4 / 21

DPW FILE NO. 10-02-L-38 | REV. NO. 0

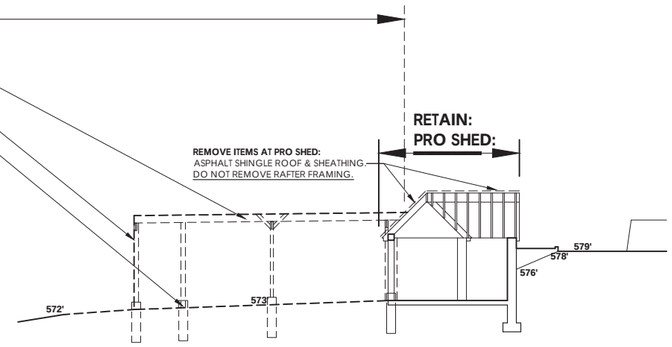
IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA



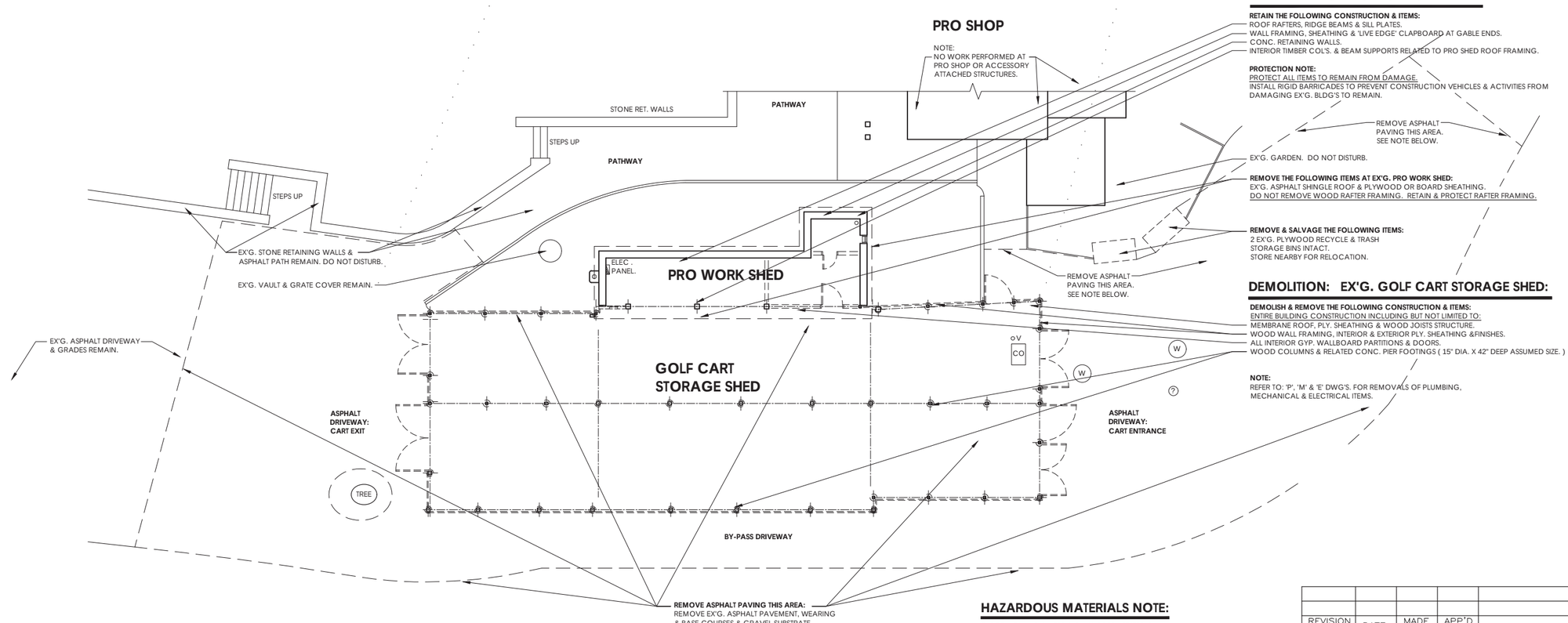
4 EX'G. END SECTION
1/8" = 1'-0"



2 GOLF CART SHED -- EX'G. LONG SECTION
1/8" = 1'-0"



3 EX'G. CENTER SECTION & ORIG. SHED
1/8" = 1'-0"



1 EX'G. GOLF CART SHED -- DEMOLITION PLAN
1/8" = 1'-0"

HAZARDOUS MATERIALS NOTE:

THE FOLLOWING MATERIALS HAVE BEEN TESTED & RESULTS ARE **'NEGATIVE' FOR ASBESTOS & LEAD:**

ASPHALT ROOF SHINGLES.
SINGLE PLY MEMBRANE ROOFING.
MEMBRANE ROOFING ADHESIVES.
WINDOW GLAZING CAULKING.
MORTAR & STUCCO.
STAINS & PAINTS.
SEALANTS.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
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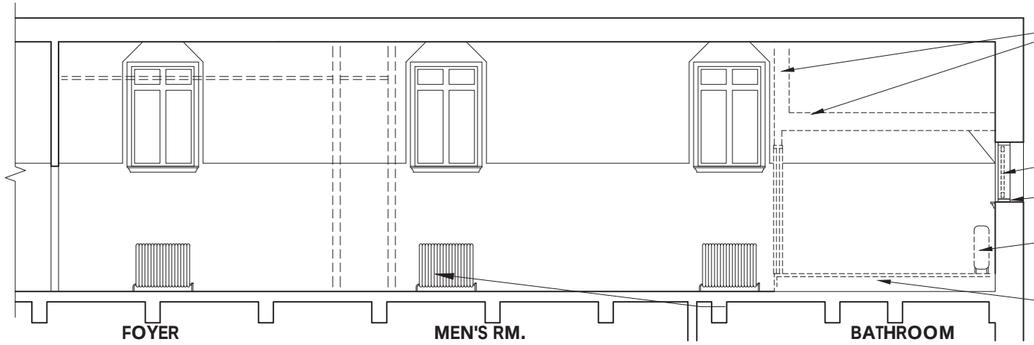
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539 | SHEET NUMBER D-101
SHEET NO. 6 OF 59
SCALE: 1/8" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-D-39 | REV. NO. 0

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
EXISTING CART STORAGE SHED -- DEMOLITION

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA



REMOVE FRONT WALL AT EX'G. BATHROOMS & SHOWERS. REMOVE RELATED CEILING & FRAMING.

DEMOLITION NOTE:
PERFORM REMOVAL CAREFULLY & REVIEW PROCEDURE WITH PROJECT REPRESENTATIVE PRIOR TO ANY WORK. PERFORM SEVERAL TEST OPENINGS IN EX'G. WALLS PRIOR TO FULL DEMOLITION TO DETERMINE EX'G. METHOD OF ATTACHMENT TO THE EXTERIOR WALLS & ROOF OF THE CLUBHOUSE.

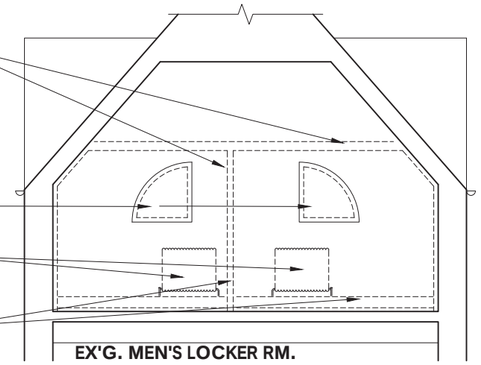
REMOVE (2) EX'G. QUARTER-ROUND WINDOW SASHES & GLAZING INTACT FROM PERIMETER FRAMES. SAW-CUT SASHES FROM FRAMES IF NECESSARY.

EX'G. (2) QUARTER-ROUND PERIMETER FRAMES REMAIN.

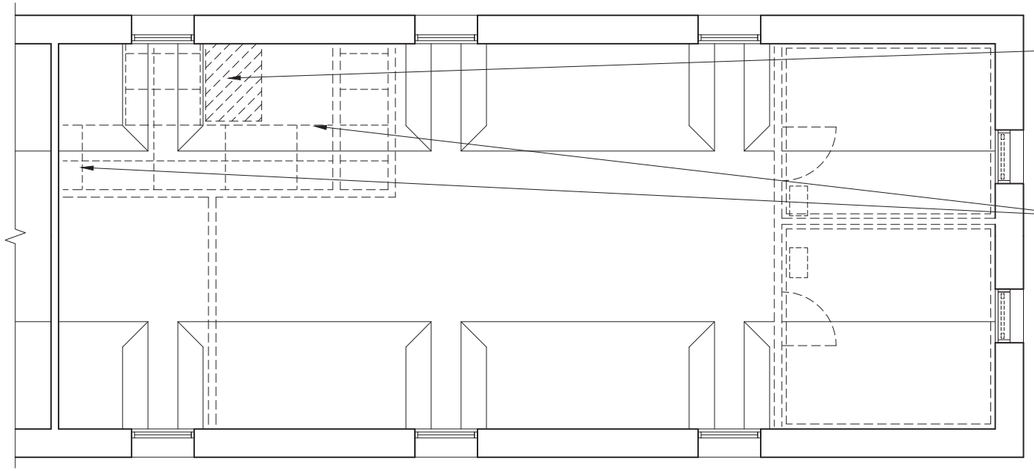
REMOVE EX'G. STEAM RADIATORS. REMOVE EXTENSION PIPING AT RAISED RADIATORS. RETURN RADIATORS TO ORIGINAL POSITION ON EX'G. 2 ND. FLOOR OF BLDG.

REMOVE RAISED FLOOR, RELATED WALLS & FINISHES. SEE REMOVAL NOTE BELOW.

3 EX'G. CLUBHOUSE BATHRM. & LOCKERS -- SECTION DEMO
1/4" = 1'-0"



4 EX'G. BATHRMS. & SHOWERS -- SECTION
1/4" = 1'-0"



2 EX'G. CLUBHOUSE BATHRM. & LOCKERS -- CLG. DEMO
1/4" = 1'-0"

DEMOLITION: CEILINGS:

PLASTER CEILING DAMAGE NOTE:

REMOVE ALL SPALLED PLASTER & RELATED DAMAGED METAL LATH AT ROOF LEAK.
SAW-CUT PLASTER TO NEAREST SOUND MATERIAL.
RE-SUPPORT OR RE-FRAME METAL TO MAINTAIN CLG. INTEGRITY IN AREA OF REPAIR.

ROOF LEAK REPAIR NOTE:
CONTRACTOR SHALL INVESTIGATE AREA OF SUSPECTED ROOF LEAK WITH ARCH.
DETERMINE SOURCE OF ROOF LEAK & REVIEW REPAIR PROGRAM WITH ARCH.

GRID CLG.:

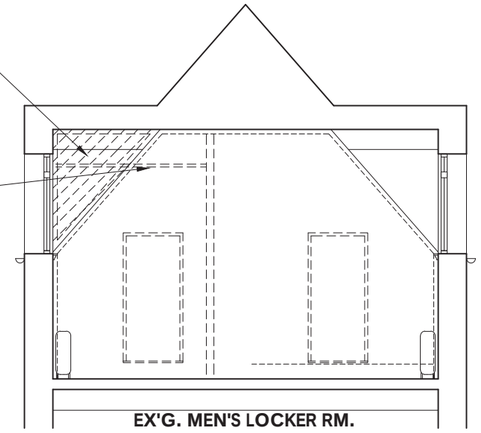
REMOVE EX'G. SUSP. GRID & TILE CLG. IN STORAGE RM. & CLOSET.

HAZARDOUS MATERIALS NOTE:

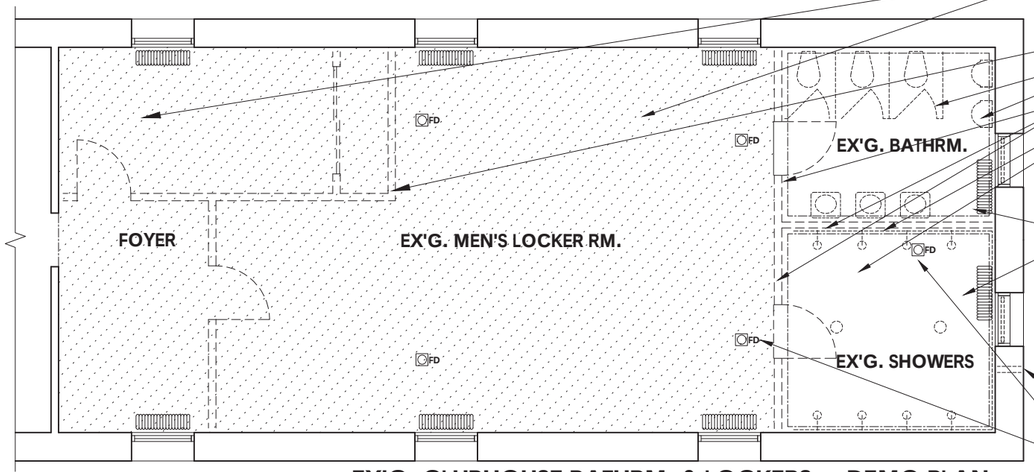
THE FOLLOWING MATERIALS HAVE BEEN TESTED & RESULTS ARE **'NEGATIVE' FOR ASBESTOS'**:
PLASTER, GYPSUM DRYWALL, COMPOUND, CAULK.
CLG, TILES, CERAMIC TILE & GROUT.

THE FOLLOWING MATERIALS HAVE BEEN TESTED & RESULTS ARE **'POSITIVE FOR LEAD'**:
PAINT AT WOOD INTERIOR.
PAINT AT PLASTER INTERIOR.
PAINT AT CONC. FLOOR.
PAINT AT RADIATOR PIPING.

REMOVE PAINT COATINGS FROM CONC. FLOOR THIS ENTIRE FLOOR AREA IN PREPARATION FOR NEW FLOOR TILE FINISHES. DEMOLITION, REMOVAL & FLOOR PREPARATION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH: **'NYS CODE RULE 56'** & **'LEAD SAFE PRACTICE GUIDELINES.'**



3 EX'G. MEN'S LOCKERS -- SECTION
1/4" = 1'-0"



1 EX'G. CLUBHOUSE BATHRM. & LOCKERS -- DEMO PLAN
1/4" = 1'-0"

DEMOLITION:
EX'G. MEN'S LOCKER & BATHROOM.

DEMOLISH & REMOVE THE FOLLOWING CONSTRUCTION & ITEMS:
GYP. WALLBOARD PARTITIONS & RELATED DOORS AT FRONT WALL, STORAGE RM. & CLOSET.
TOILET STALL PARTITIONS AT EX'G. BATHRM.
TOILETS, URINALS, LAVATORIES & ALL RELATED PIPING ABOVE FLOOR.
MIRRORS & ALL BATHROOM ACCESSORIES.
REMOVE DIVIDING WALLS, DOORS & CENTER DIVIDING PARTITIONS AT EX'G. BATHRM. & SHOWER RM..
CERAMIC TILE FINISH ON SHOWER WALLS.
SHOWER HEADS, FLOOR DRAINS & ALL RELATED PIPING ABOVE FLOOR.
PIPING REMOVAL NOTE:
REMOVE PIPING TO 3" BELOW SURFACE OF EX'G. RAISED FLOOR.
CAP & SEAL PIPING WITHIN RAISED FLOOR.

NOTE:
REFER TO: 'P', 'M' & 'E' DWG'S. FOR REMOVALS OF PLUMBING, MECHANICAL & ELECTRICAL ITEMS.

RAISED FLOOR NOTE: EX'G. BATHROOM & SHOWER RM.:

THESE EX'G. SPACES ARE BUILT ON AN 8" HIGH RAISED FLOOR.
FLOOR WAS RAISED ABOVE THE EX'G. 2 ND. FLOOR SLAB TO ACCOMMODATE THE NEW PLUMBING FOR THE BATHROOM & SHOWER RMS.

REMOVE THE EX'G. RAISED FLOORS:
REMOVALS INCLUDES BUT ARE NOT LIMITED TO:
FLOOR FINISHES, TOPPING, SLABS, SHEATHING.
FRAMING & RELATED ATTACHMENTS & SHIMS.
DOORS & FRAMES.
PLUMBING NOTE:
DISCONNECT EX'G. STEAM RADIATORS FROM EX'G. PIPING.

REFRIGERANT PIPING PASSAGE:
CORE DRILL EXTERIOR WALL WITH UP TO A 4" HOLE THROUGH MASONRY WALL & STONE VENEER. COORD. CORE DIA. WITH (3) 1" PIPES TO PENETRATE WALL.

FLOOR DRAINS: QTY. 5: ⊙FD
CORE DRILL EX'G. CONC. SLAB WITH UP TO A 6" HOLE.
COORD. CORE DIA. WITH FLOOR DRAIN BODY & 3" DISCHARGE PIPE.
REVIEW & CONFIRM LOCATIONS IN THE FIELD WITH COUNTY REP. PRIOR TO WORK.
COORDINATE LOCATIONS TO AVOID CONFLICTS WITH EX'G. STRUCTURE, PIPING & OTHER OBSTRUCTIONS IN THE PRO SHOP AT THE 1 ST. FLOOR.

N

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

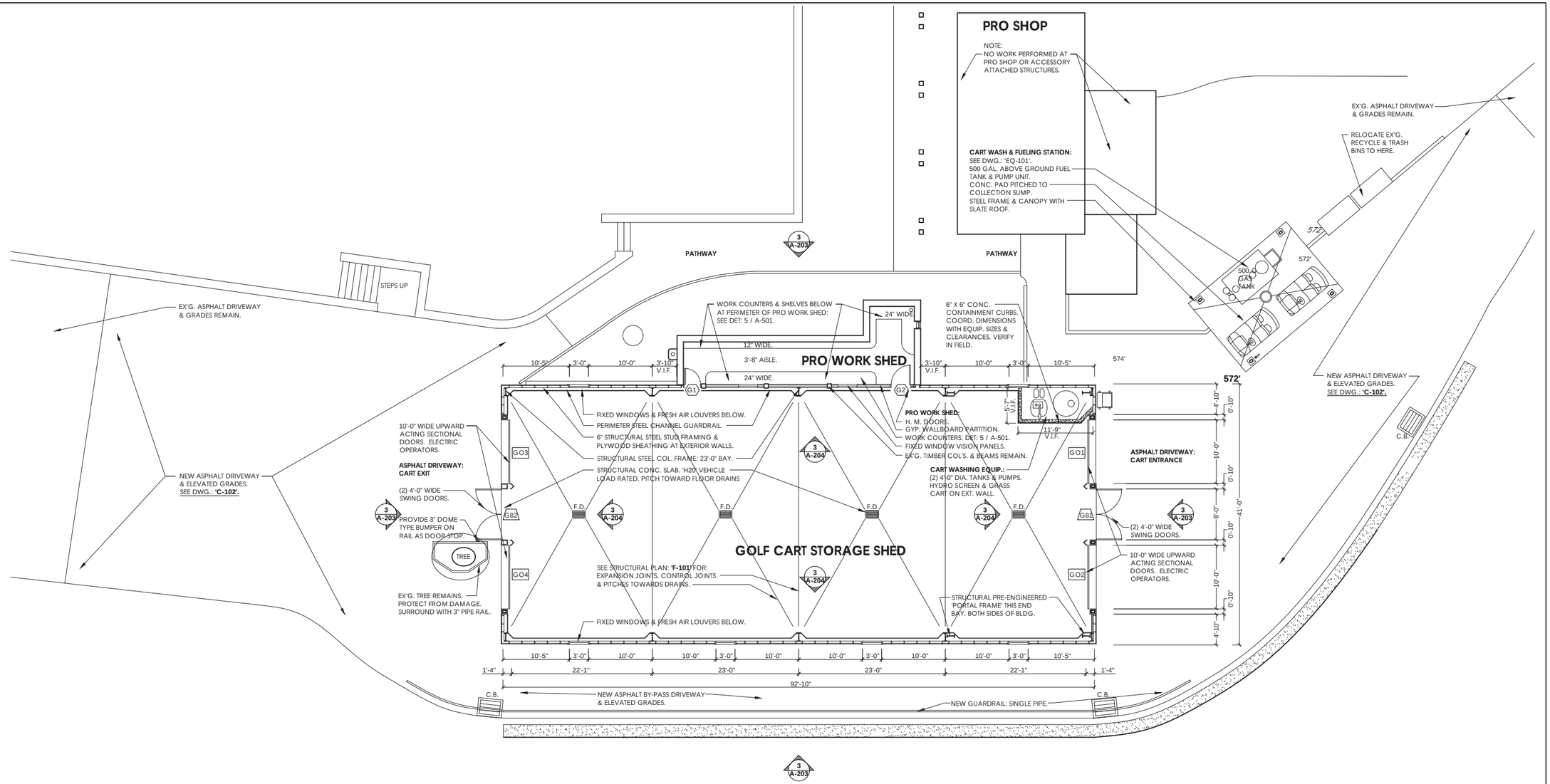
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539 | SHEET NUMBER D-102
SHEET NO. 7 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
EX'G. CLUBHOUSE -- BATH & LOCKER DEMO

SCALE: 1/4" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-D-40
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA



1 NEW GOLF CART SHED -- PLAN

1/8" = 1'-0"

N

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

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SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539 | SHEET NUMBER A-101

SHEET NO. 8 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
NEW GOLF CART STORAGE SHED -- PLAN

SCALE: 1/8" = 1'-0"
DATE: 6 / 4 / 21

DPW FILE NO. 10-02-A-41 | REV. NO. 0

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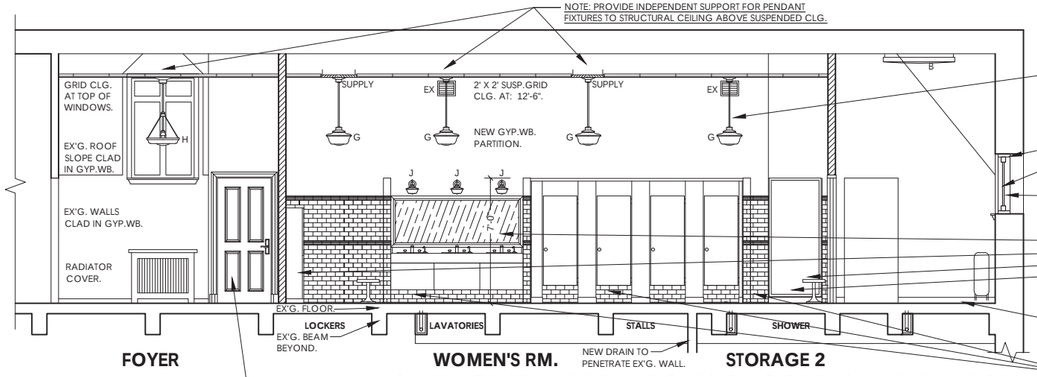


ENTRANCE DOORS:
TRADITIONAL WOOD PANEL DOORS.
SOLID STILES & RAILS. STAINED.

3 CLUBHOUSE -- BATHROOMS & LOCKERS -- ELEVATION
1/4" = 1'-0"

SLATE ROOF NOTE: PLUMBING VENTS:
PROVIDE PENETRATION IN SLATE ROOF & SHEATHING FOR PLUMBING VENT PIPES.
INSTALL FLEXIBLE BOOT & COORD. WITH SLATE SHINGLES.
REPAIR OR REPLACE SLATES AS REQ'D FOR NEW VENT PENETRATION & BOOT FLASHINGS.
COORD. LOCATION IN FIELD.

LIGHTING: (4) SCHOOLHOUSE PENDANT FIXTURES IN BATHROOMS. AT 9'-0" A.F.F.
(1) PENDANT DECORATIVE FIX. IN FOYER. AT 9'-0" A.F.F.
(3) WALL SCONCES OVER MIRROR. AT 7'-0" A.F.F. VERIFY IN FIELD.
PROVIDE EXTENSION STEMS TO 8'-0" MAX. LENGTH FOR ALL PENDANT FIXTURES.
PROVIDE INDEPENDENT SUPPORT FOR PENDANT FIXTURES TO STRUCTURAL CEILING ABOVE.

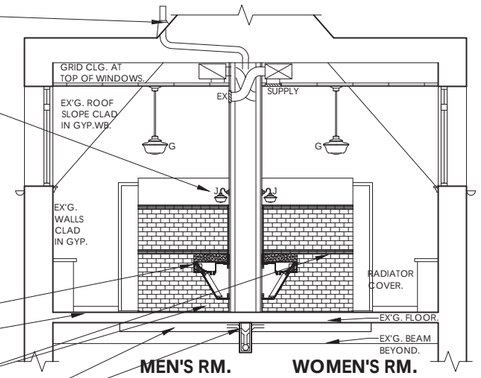
EX'G. (2) QUARTER-ROUND PERIMETER FRAMES REMAIN.
FABRICATE & INSTALL (2) NEW SASHES TO DUPLICATE APPEARANCE OF EX'G. MULLIONS: 1" 'MDO' EXT. PLYWOOD.
PRIME & PAINT ALL FACES & EDGES. INSTALL GRAY ALUM. INSECT SCREENS ON INTERIOR FACE OF NEW SASHES.
SECURE SASH & SCREEN TO EX'G. WOOD FRAME. INSTALL 3/4" WOOD MOULDING TO CLOSE EXT. GAPS. PAINT MOULDING & EX'G. FRAME.

INSTALL THE FOLLOWING ACCESSORIES: SEE SPEC.: DIVISION 10: 'SPECIALTIES':
MIRRORS, SOAP DISPENSERS, PAPER TOWEL DISPENSERS, HAND DRIERS.
LOCKERS: (3) CUSTOM LAMINATE. 2 TIER OFFSET HEIGHTS.
BENCH AT LOCKERS & SHOWERS: CAST IRON PEDESTALS. HARDWOOD SEAT.
SHOWER: PRE-CAST TERRAZZO FLOOR PAN. GLAZED TILE WALLS.
OBSCURE TEMPERED GLASS SWING DOOR.

COUNTERTOP, LAVATORY & SOAP DISPENSER. SEE DETAIL: 'A - 501'.

REPAIR EX'G. FLOOR SURFACE & FLASH PATCH SMOOTH AT WALLS REMOVED.
INFILL CORE HOLES AT PIPES REMOVED WITH CONC. TO MAINTAIN FIRE SEPARATION AT FLOOR.

TILE FINISH NOTE:
INSTALL WALL TILE AT: DIVIDING WALLS, LAVATORY & STALL: SIDE & REAR WALLS & SHOWER WALLS. INSTALL COVE BASE AND DECORATIVE BANDS AS DESCRIBED ON SECTION: **'3 / A-501.'** TILE EXTENDS TO 6'-0. HT.

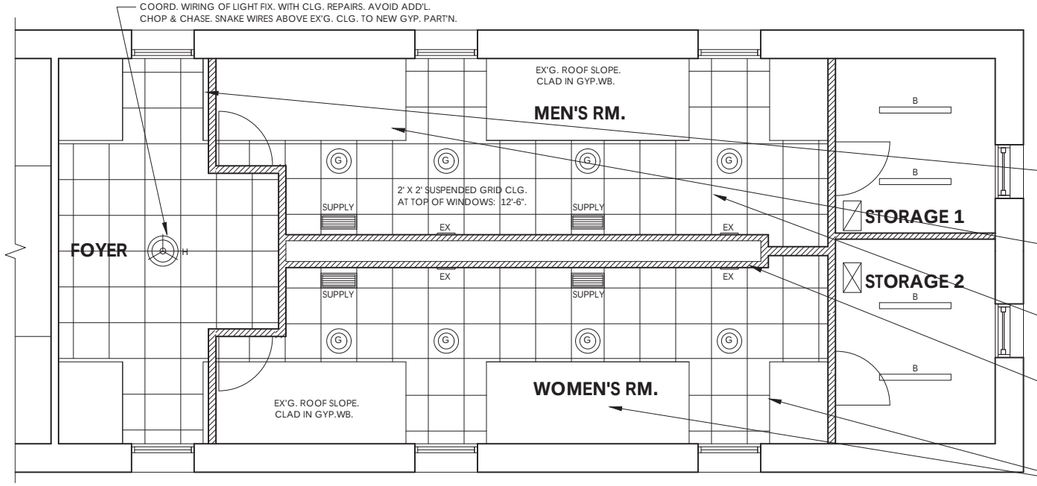


4 BATHROOMS & LOCKERS -- SECTION
1/4" = 1'-0"

SANITARY & WASTEWATER PIPING CHASES:
CONSTRUCT A HORIZONTAL CHASES TO CONCEAL SANITARY & FLOOR DRAIN PIPING FROM BATHROOM ABOVE (WHERE IT PENETRATES FLOOR & IS BELOW CEILING & BEAMS AT 1 ST. FLR. PRO SHOP).
CONSTRUCT 2 X 6 BACK-UP PLATE AGAINST EXT. CEILING, 1/2" 'MDO' PLYWOOD SIDES & 1 X 8 CLEAR PINE BOTTOM AS PIPE ENCLOSURE CHASES.
PRIME & PAINT TO MATCH EX'G. CLG. SEAL CHASE TO CLG. & OTHER EX'G. SURFACES. SEE DETAIL: DWG. 'A-501'. APPROX. LENGTH OF CHASES: 70 L.F.

REVIEW DUCT CONFIGURATION IN FIELD. COORD. WITH CHASE WALL & SUSP. CEILING ELEVATION.

COORD. WIRING OF LIGHT FIX. WITH CLG. REPAIRS. AVOID ADD'L. CHOP & CHASE. SNAKE WIRES ABOVE EX'G. CLG. TO NEW GYP. PART'N.



2 CLUBHOUSE -- BATHROOMS & LOCKERS -- CLG. PLAN
1/4" = 1'-0"

NEW WORK: CEILINGS:

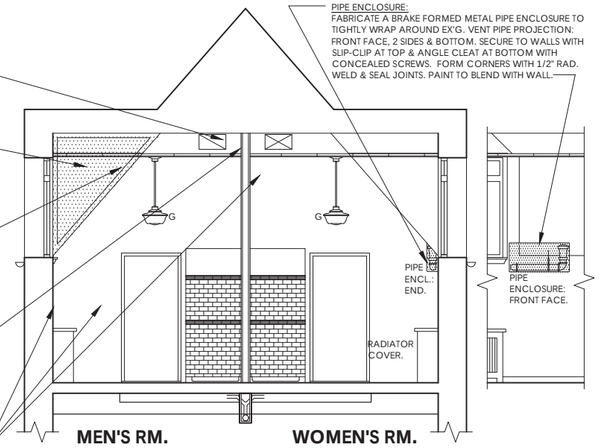
PLASTER CEILING REPAIR NOTE:
RE-SUPPORT OR RE-FRAME METAL LATH TO MAINTAIN CLG. INTEGRITY AT REPAIR.
INSTALL NEW METAL LATH AS REQ'D. FOR NEW PLASTER REPAIR AREAS.
SUSPEND FROM ROOF FRAMING WITH GALV. WIRE.
INSTALL 3 COAT CEMENT PLASTER TO MATCH EX'G. THICKNESS.
CUT-BACK EX'G. PLASTER LAYERS IN 2" STEPS TO PROVIDE NEW LAYER OVERLAP.

REPAIR PLASTER CLG. FLUSH AT PART'NS. REMOVED. BLEND & FEATHER REPAIR 6" BEYOND PART'NS. SAND SMOOTH.

ROOF LEAK REPAIR NOTE:
PERFORM REPAIRS TO DORMER & VALLEY FLASHINGS, ROOF WATER-PROOF MEMBRANES & SLATE SHINGLES AS REQUIRED TO REPAIR LEAK.

NEW SUSPENDED GRID CEILING:
INSTALL NEW 2' X 2' SUSP. GRID: STD. 1" 'T', WITH ANTI-SAG, ANTI MICROBIAL TILES SUITABLE FOR DAMP LOCATIONS. SET CLG. HEIGHT AT TOP OF EX'G. WINDOWS.
PROVIDE A TRIANGULAR WOOD BLOCK TO CLOSE GAP BETWEEN 'T' GRID & SLOPED CLG. PROVIDE INDEPENDENT SUPPORT FOR PENDANT LIGHT FIXTURES.

NEW PARTITIONS:
SECURE NEW STUD PARTITIONS TO EXG. METAL GRID STRUCTURE ABOVE PLASTER CLG.
TAPE GYP. WALLBOARD SURFACES INTO EX'G. PLASTER FINISH.
REPAIR PLASTER DAMAGE AT PARTITIONS REMOVED.



3 BATHROOMS & LOCKERS -- SECTION
1/4" = 1'-0"

NEW WORK: MEN'S & WOMEN'S LOCKER & BATHROOM.

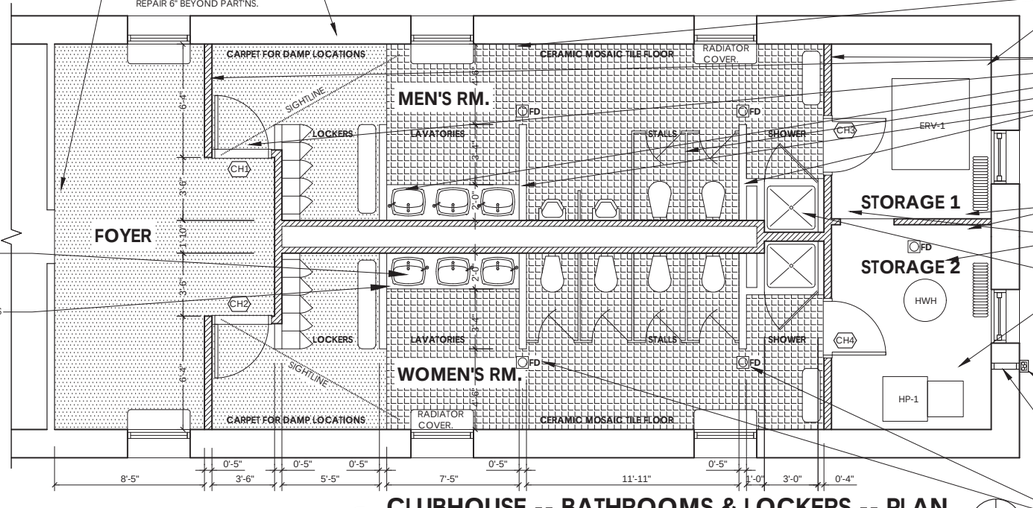
INSTALL THE FOLLOWING NEW CONSTRUCTION & ITEMS:
GYP. WALLBOARD OVERLAY ON ALL VISIBLE & EXPOSED PLASTER WALLS, WINDOW DORMERS & SLOPED PLASTER CEILINGS: 3/8" GYP. WALLBOARD SCREW & ADHESIVE APPLIED TO EX'G. SURFACES. TAPE-IN CORNER BEADS & VARIABLE ANGLE METAL / PAPER TAPES TO CREATE STRAIGHT UNIFORM ANGLES & CORNERS.

GENERAL SPACE ITEMS:
GYP. WALLBOARD PARTITIONS. FULL HEIGHT TO PLASTER CLG. ABOVE.
ENTRANCE DOORS: TRADITIONAL WOOD PANEL DOORS, STAINED. LEVER HARDWARE.
LAVATORIES, URINALS & TOILETS. RELATED NEW PIPING.
TOILET STALL PARTITIONS: STAINLESS STEEL. FLOOR MOUNTED WITH HEADRAIL
GYP. WALLBOARD PARTITIONS. PARTIAL HEIGHT TO 7'-0".

FINISHES: MEN'S & WOMEN'S BATHROOM & LOCKERS:
FIXTURE WALLS: CERAMIC GLAZED TILE TO 6'-0" HT. PAINT ABOVE.
EX'G. WALLS, NEW NON-FIXTURE WALLS & SLOPED CLG'S.: GYP. W.B. & EPOXY PAINT.
BATHROOM & SHOWER FLOORS: 2" X 2" CERAMIC MOSAIC TILE & 6" TILE COVE BASE.
FOYER & LOCKER FLOORS: CARPET: ANTI-MICROBIAL, DAMP LOCATION.

FINISHES: STORAGE RMS:
WALLS: NEW GYP. WALLBOARD, PAINT.
CEILINGS: REPAIR DAMAGE AT WALL REMOVALS & PLUMBING REMOVALS: 100 S.F. REPAIR AREA. PAINT ENTIRE ROOM.
FLOORS: 12" X 12" 'VCT', 4" RUBBER COVE BASE.
OR SEAMLESS SHEET FLOORING, SELF COVED.

PATCH PLASTER WALLS AT EX'G. PARTITIONS REMOVED. PATCH SURFACE FLUSH WITH EX'G. WALL PLANE. FEATHER REPAIR 6" BEYOND PART'NS.



COUNTERTOP, LAVATORY & SOAP DISPENSER: (3) EACH SIDE.

ELEC. HAND DRIERS & 'GFI' RECEPT. THIS LOCATION. BOTH SIDES.

LOWERED FLOOR NOTE: NEW STORAGE 1 & 2:

RESTORE EX'G. SLAB SURFACE:
REPAIRS INCLUDE BUT ARE NOT LIMITED TO:
RESTORE & REPAIR EX'G. 2 ND. FLOOR SLAB IN STORAGE AREAS SHOWN WITH 5,000 PSI SELF LEVELING CEMENT FLOOR TOPPINGS.

PLUMBING NOTE:
MODIFY RADIATOR PIPING TO RE-INTEGRATE LOWERED RADIATORS.
INSTALL PIPE UNIONS & RE-CONNECT EX'G. RADIATORS.
PROVIDE SOLID PLASTIC OR NYLON 'PEDESTALS' TO RAISE RADIATORS A FEW INCHES IF PIPING EXTENSIONS REQUIRE MORE HEIGHT.

REFRIGERANT PIPING EXTERIOR CHASE.
CONSTRUCT AN 8" X 8" APPROX. SIZE VERTICAL CHASE TO CONCEAL PIPING FROM CORED PASSAGE ABOVE TO CONDENSING UNIT AT GRADE: PPT 2 X 6 BACK-UP PLATE AGAINST EXT. WALL, 1 X 8 & 1 X 10 KNOTTY PINE BOARDS AS PIPE ENCLOSURE CHASE, STAIN DARK BROWN TO MATCH EX'G. BLDG. WOOD TRIMS. PROVIDE L.C. COPPER CAP AT TOP. SEAL CHASE TO EXT. WALL PROFILE. SEE DETAIL: DWG. 'A-501'

REFRIGERANT PIPING PASSAGE.
FILL CORE PASSAGE WITH 1" DEEP LIQUID URETHANE SEALANT RINGS AT EXTERIOR & INTERIOR. FILL CAVITY BETWEEN SEALANT RINGS WITH 1" FOAM BACK-UP RODS.

FLOOR DRAINS: QTY. 5:
SET NEW FLOOR DRAINS INTO CORES WITH MORTAR & GROUT. NOTCH DRAIN FLANGE INTO EX'G. FLOOR AS REQ'D. TO SET TOP OF DRAIN FLANGE 1/8" BELOW NEW TILE FLOOR.
BED DRAIN BODY FLANGE IN SEALANT & SEAL FLANGE PERIMETER TO FLOOR TILES.
CUT FLOOR TILES EDGE OF DRAIN FLANGE. PROVIDE A WATER-PROOF TRANSITION TO DRAIN.

1 CLUBHOUSE -- BATHROOMS & LOCKERS -- PLAN
1/4" = 1'-0"

PAINTING NOTE:
PRIME AND PAINT ALL THE FOLLOWING ITEMS:
EX'G. PLASTER WALLS & CLG'S.
EX'G. WINDOW FRAMES, SILLS, SASHES & MULLIONS.
EX'G. PAINTED DOORS & FRAMES.
NEW PLASTER PATCHES & REPAIRS.
NEW GYP. WALLBOARD SURFACES.

PLASTER REPAIR NOTE:
PATCH PLASTER WALLS & CLGS. AT ALL EX'G. PARTITIONS REMOVED.
PATCH SURFACE FLUSH WITH EX'G. WALL OR CLG. PLANE.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

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NAME	NAME
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TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539 | SHEET NUMBER A-102
SHEET NO. 9 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CLUBHOUSE -- NEW BATHROOMS & LOCKERS

SCALE: 1/4" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-A-42
REV. NO. 0

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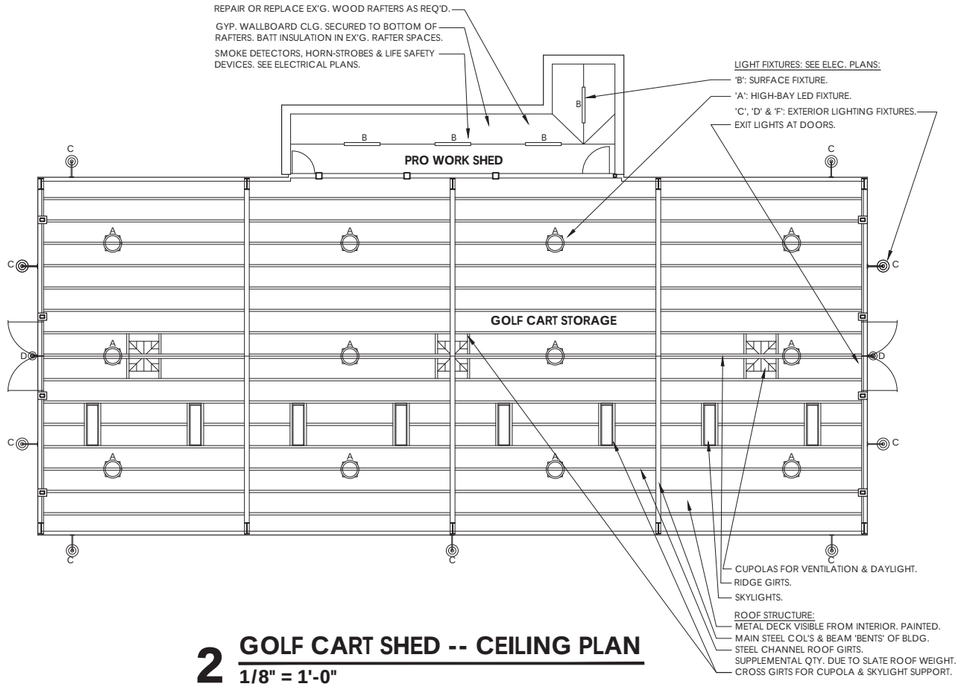
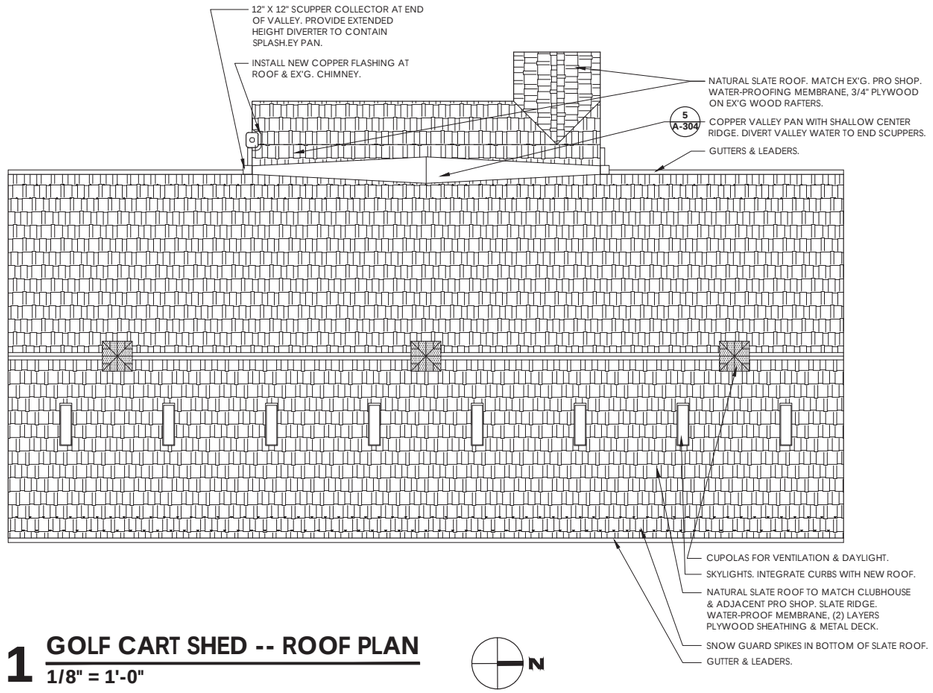
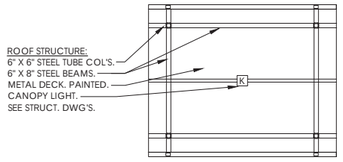
MADE BY JOHN W. LEVY RA



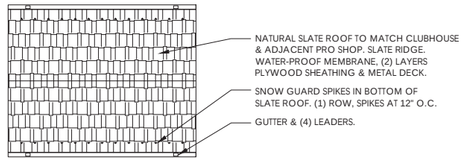
2 GOLF CART SHED -- CEILING PLAN
1/8" = 1'-0"



1 GOLF CART SHED -- ROOF PLAN
1/8" = 1'-0"



4 EQUIP. WASH & FUEL STATION -- CLG. PLAN
1/8" = 1'-0"



3 EQUIP. WASH & FUEL STATION -- ROOF PLAN
1/8" = 1'-0"

IN CHARGE OF ADAM KAPLINSKI RA
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MADE BY JOHN W. LEVY RA

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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☐ AS BUILT – NO CHANGES

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TITLE DATE

PROJECT COORDINATOR
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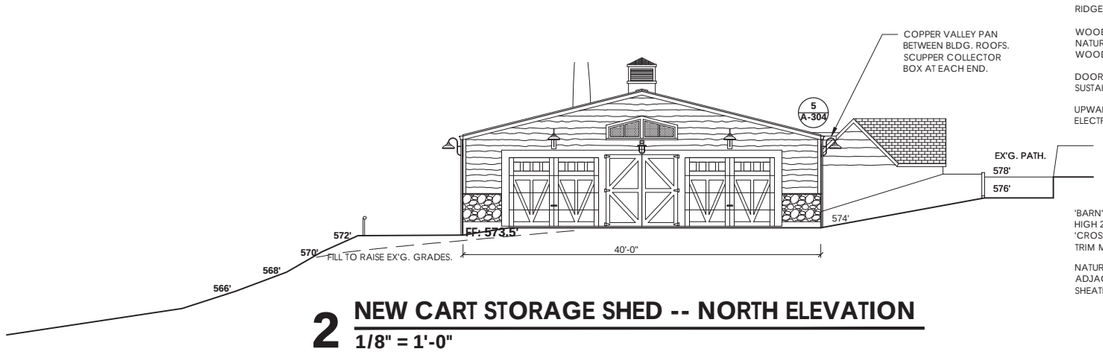
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

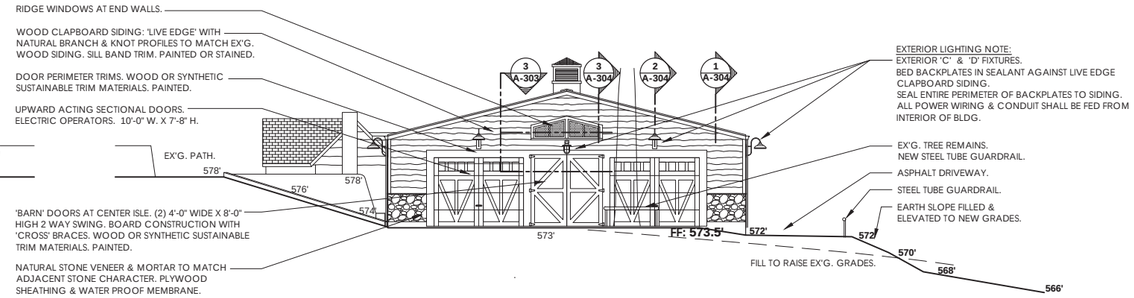
CONTRACT NUMBER 17-539
SHEET NUMBER A-103
SHEET NO. 10 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
NEW CART SHED -- ROOF & CEILING PLANS

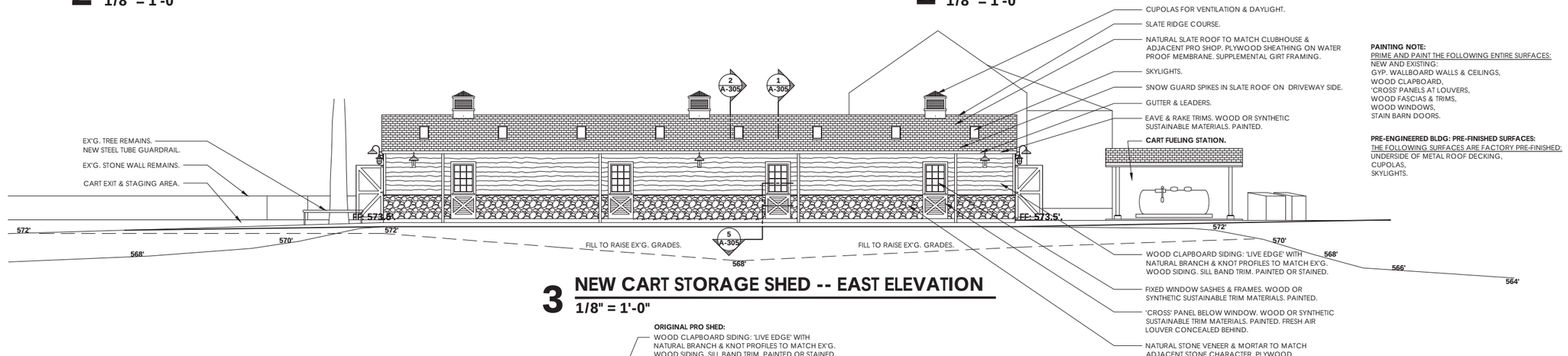
SCALE: 1/8" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-A-43
REV. NO. 0



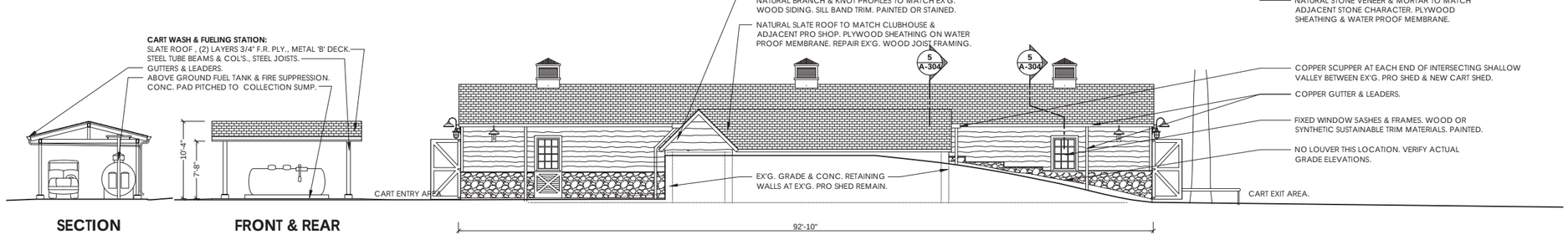
2 NEW CART STORAGE SHED -- NORTH ELEVATION
1/8" = 1'-0"



1 NEW CART STORAGE SHED -- SOUTH ELEVATION
1/8" = 1'-0"



3 NEW CART STORAGE SHED -- EAST ELEVATION
1/8" = 1'-0"



5 CART WASH & FUEL STATION -- CANOPY
1/8" = 1'-0"

4 NEW CART STORAGE SHED -- WEST ELEVATION
1/8" = 1'-0"

PAINTING NOTE: WASH & FUEL STATIONS:
PRIME AND PAINT THE FOLLOWING ENTIRE SURFACES:
STRUCTURAL STEEL FRAMING, BASES & BRACES,
UNDERSIDE OF METAL ROOF DECKING,
FASCIAS & TRIMS.

PRE-FINISHED SURFACES: WASH & FUEL STATIONS:
THE FOLLOWING SURFACES ARE FACTORY PRE-FINISHED:
STANDING SEAM ROOF PANELS,
GUTTERS & LEADERS,
CEILING LINER PANELS,
METAL FASCIAS & TRIMS.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

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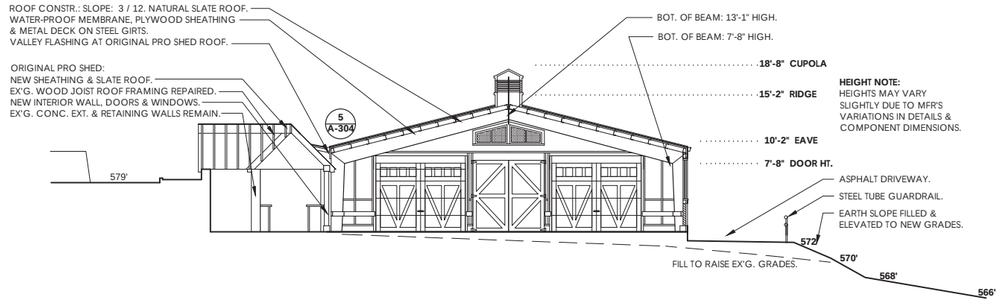
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER A-201
SHEET NO. 11 OF 59

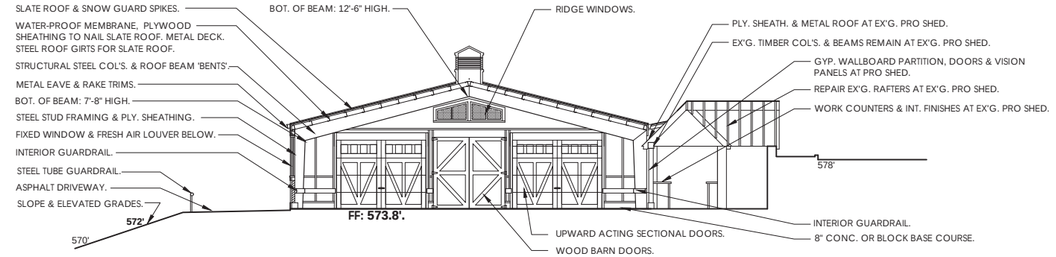
NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
NEW GOLF CART STORAGE SHED -- EXT. ELEV.

SCALE: 1/8" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-A-44
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA



2 NEW CART STORAGE SHED -- NORTH ELEVATION
1/8" = 1'-0"

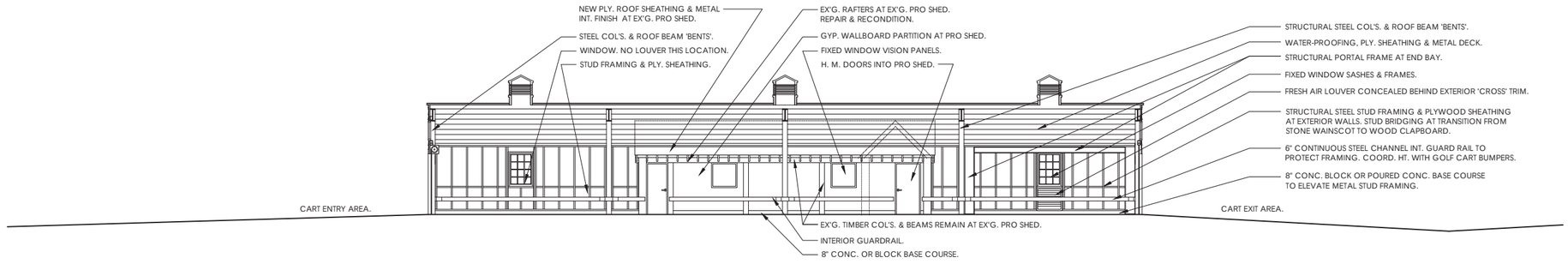


1 NEW CART STORAGE SHED -- SOUTH ELEVATION
1/8" = 1'-0"

PAINTING NOTE:
PRIME AND PAINT THE FOLLOWING ENTIRE SURFACES:
NEW AND EXISTING:
GYP. WALLBOARD WALLS & CEILINGS,
WOOD CLAPBOARD,
'CROSS' PANELS AT LOUVERS,
WOOD FASCIAS & TRIMS,
WOOD WINDOWS,
STAIN BARN DOORS.

PRE-ENGINEERED BLDG: PRE-FINISHED SURFACES:
THE FOLLOWING SURFACES ARE FACTORY PRE-FINISHED:
UNDERSIDE OF METAL ROOF DECKING,
CUPOLAS,
SKYLIGHTS.

3 NEW CART STORAGE SHED -- EAST ELEVATION
1/8" = 1'-0"



4 NEW CART STORAGE SHED -- WEST ELEVATION
1/8" = 1'-0"

PAINTING NOTE: MATERIALS STORAGE BINS:
PRIME AND PAINT THE FOLLOWING ENTIRE SURFACES:
STRUCTURAL STEEL FRAMING, BASES & BRACES,
SAFETY BAR.
STAIN UNDERSIDE OF PLY. ROOF SHEATHING.
STAIN WOOD FASCIAS & TRIMS.

PRE-FINISHED SURFACES: MATERIALS STORAGE BINS:
THE FOLLOWING SURFACES ARE FACTORY PRE-FINISHED:
STANDING SEAM ROOF PANELS,
GUTTERS & LEADERS,

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER A-202
SHEET NO. 12 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
NEW GOLF CART STORAGE SHED -- INT. ELEV.

SCALE: 1/8" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-A-45
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI RA
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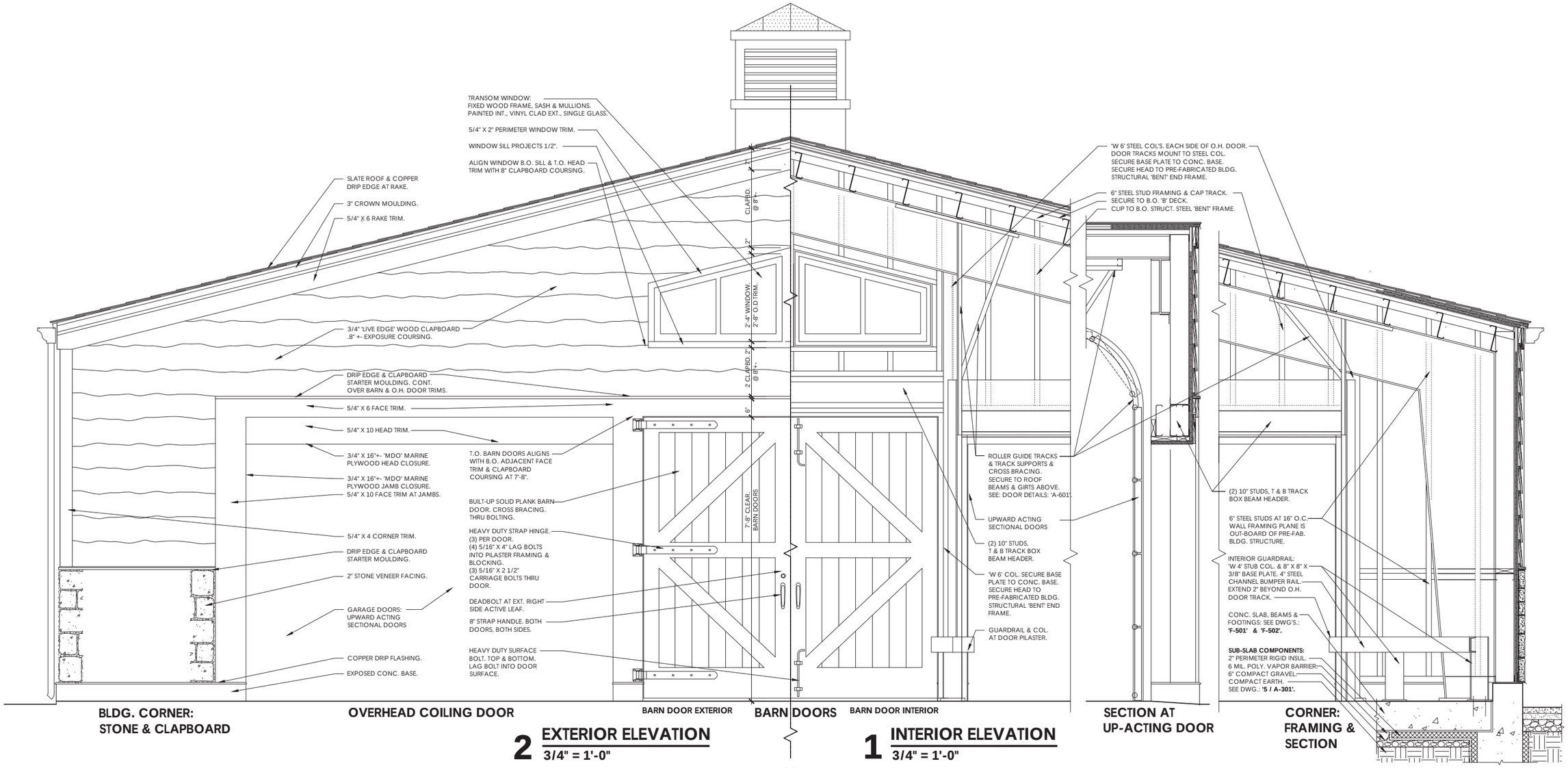


BLDG. CORNER: STONE & CLAPBOARD

OVERHEAD COILING DOOR

BARN DOOR EXTERIOR

BARN DOORS

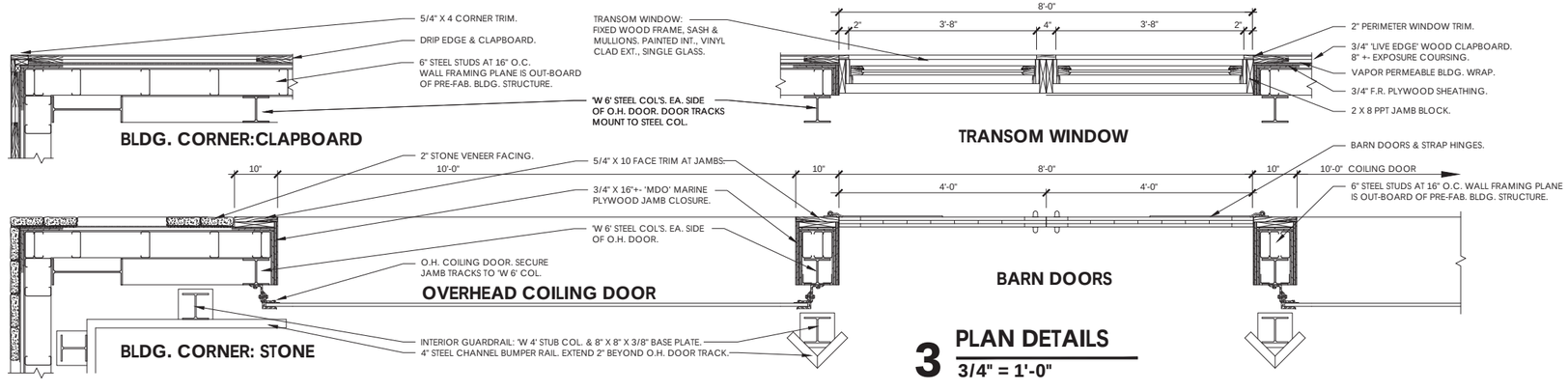
BARN DOOR INTERIOR

SECTION AT UP-ACTING DOOR

CORNER: FRAMING & SECTION

2 EXTERIOR ELEVATION
3/4" = 1'-0"

1 INTERIOR ELEVATION
3/4" = 1'-0"



3 PLAN DETAILS
3/4" = 1'-0"

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

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TITLE DATE

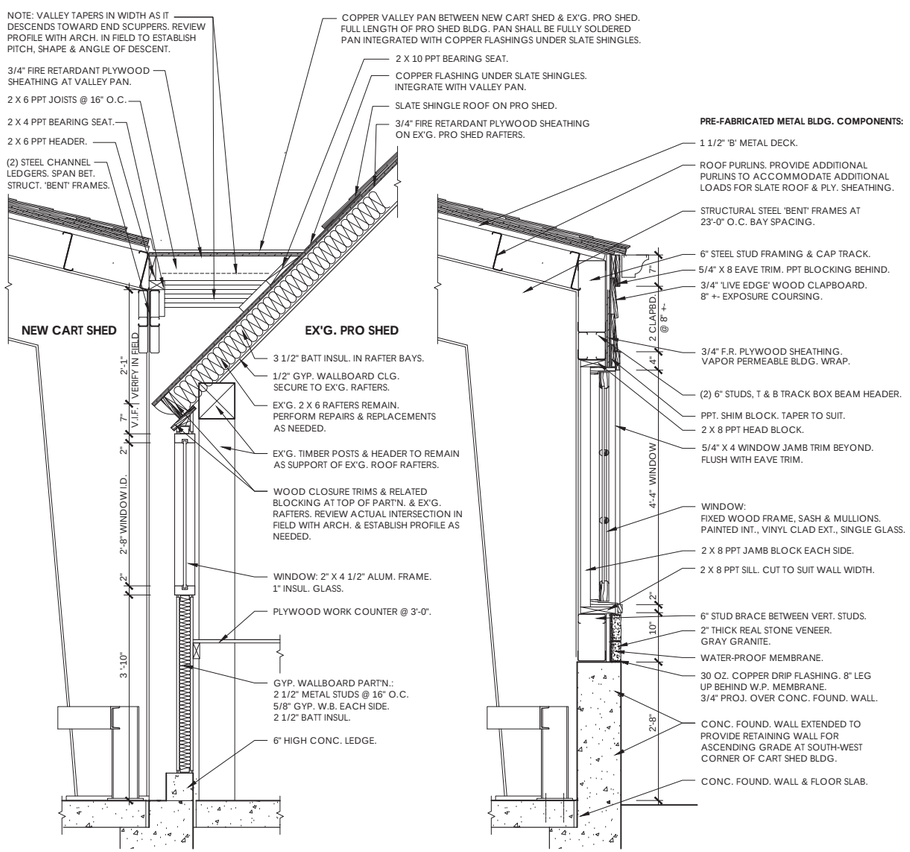
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER A-301
SHEET NO. 13 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CART SHED -- WALL SECTIONS - ELEVATIONS

SCALE: 3/4" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-A-46
REV. NO. 0



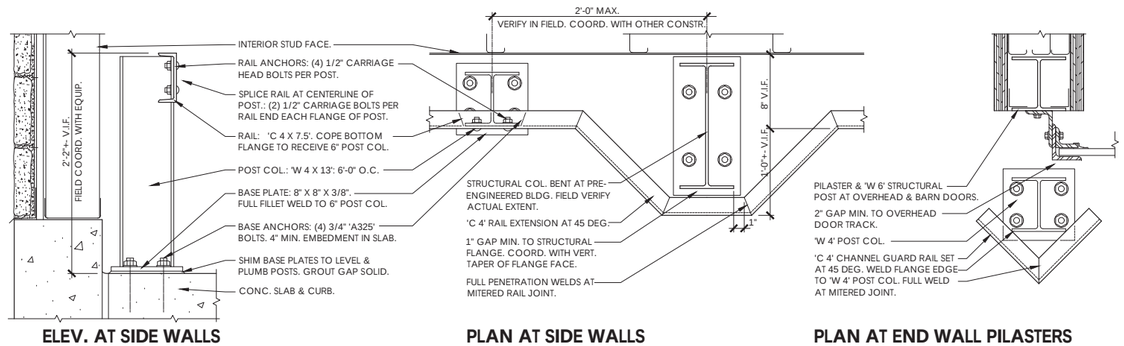
5 SEC. AT: EX'G. PRO SHED
3/4" = 1'-0"

4 SEC. AT: RET. WALL BASE
3/4" = 1'-0"

3 SEC. AT: TRANSOM & BARN DOOR
3/4" = 1'-0"

2 SEC. AT: UP-ACTING DOOR
3/4" = 1'-0"

1 SEC. AT: STONE & CLAPBOARD
3/4" = 1'-0"



ELEV. AT SIDE WALLS | **PLAN AT SIDE WALLS** | **PLAN AT END WALL PILASTERS**

6 CART SHED - INTERIOR GUARDRAIL
1 1/2" = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

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SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER A-302
SHEET NO. 14 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CART SHED -- WALL SECTIONS - DETAILS

SCALE: 3/4" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-A-47
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI RA
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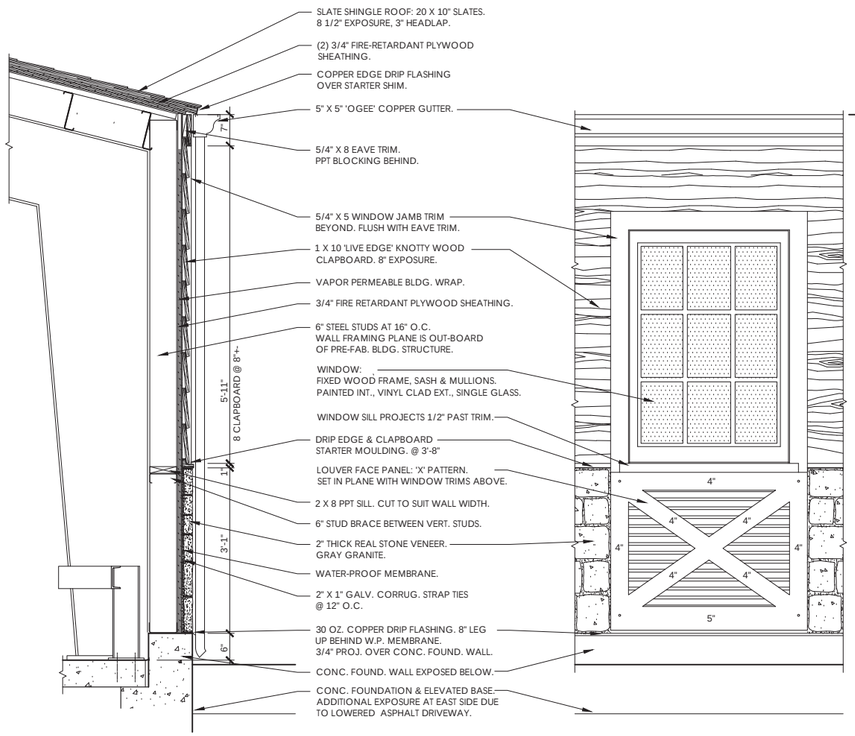
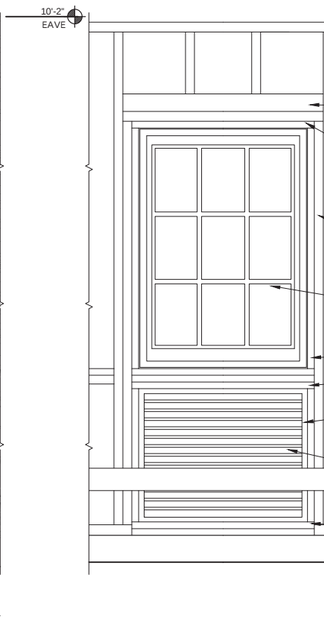
MADE BY JOHN W. LEVY RA

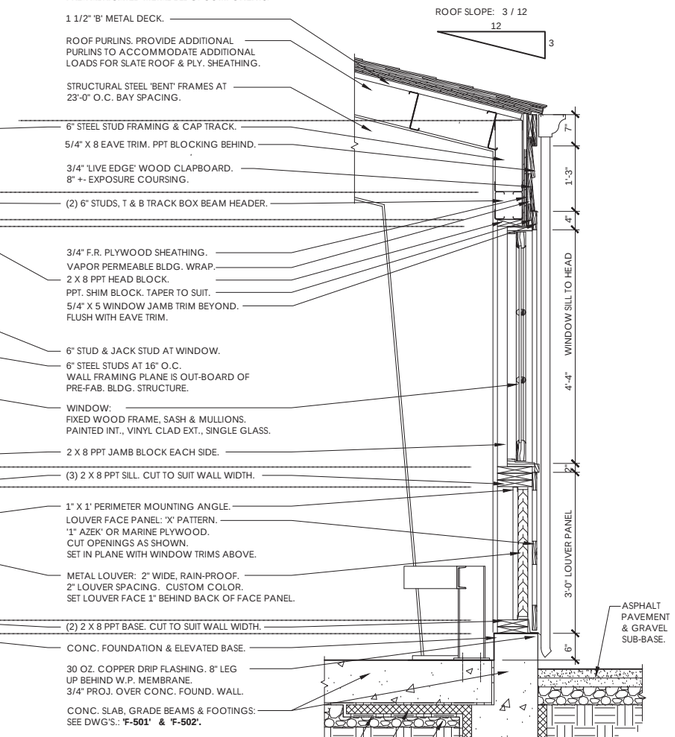


4 SEC. AT: STONE & CLAPBOARD
3/4" = 1'-0"

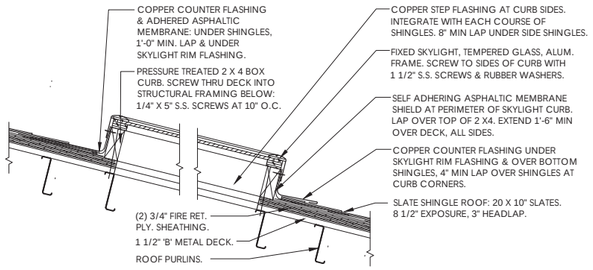


3 EXT. ELEV. AT: WINDOW & LOUVER
3/4" = 1'-0"

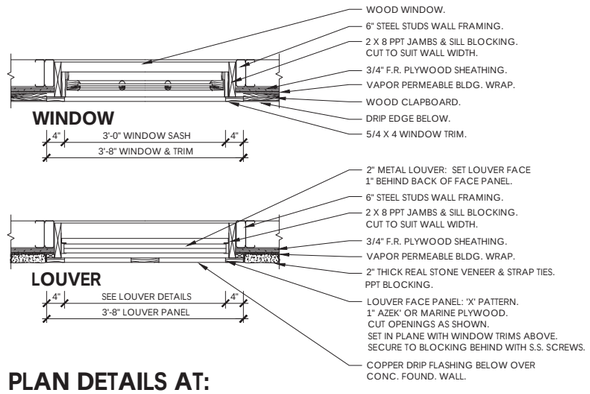
2 INT. ELEV. AT: WINDOW & LOUVER
3/4" = 1'-0"



1 SEC. AT: WINDOW & LOUVER
3/4" = 1'-0"



6 SKYLIGHT & CURB
1 1/2" = 1'-0"



5 PLAN DETAILS AT: WINDOW & LOUVER
3/4" = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER A-303
SHEET NO. 15 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CART SHED -- WALL SECTIONS - ELEVATIONS

SCALE: 3/4" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-A-48
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI RA
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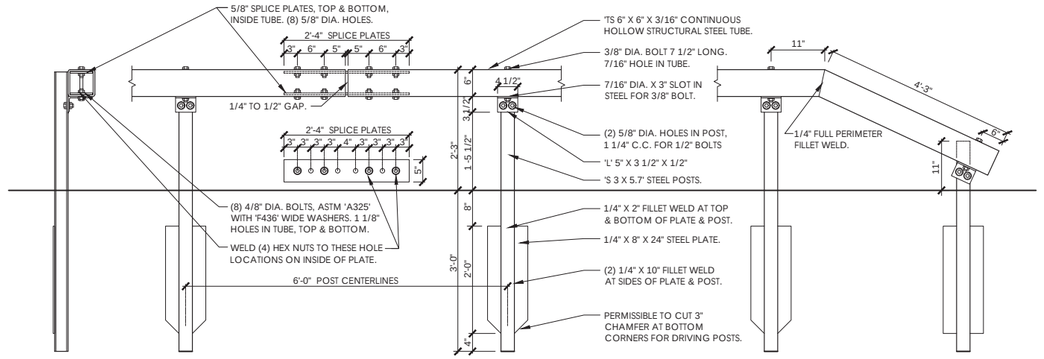
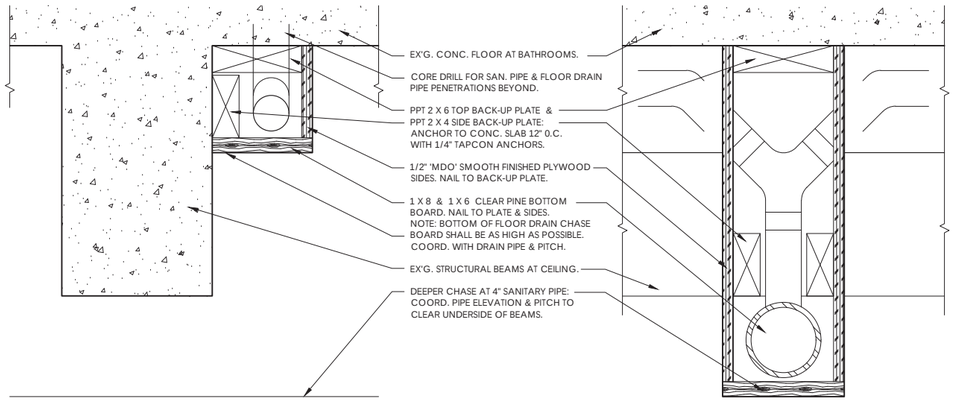
MADE BY JOHN W. LEVY RA



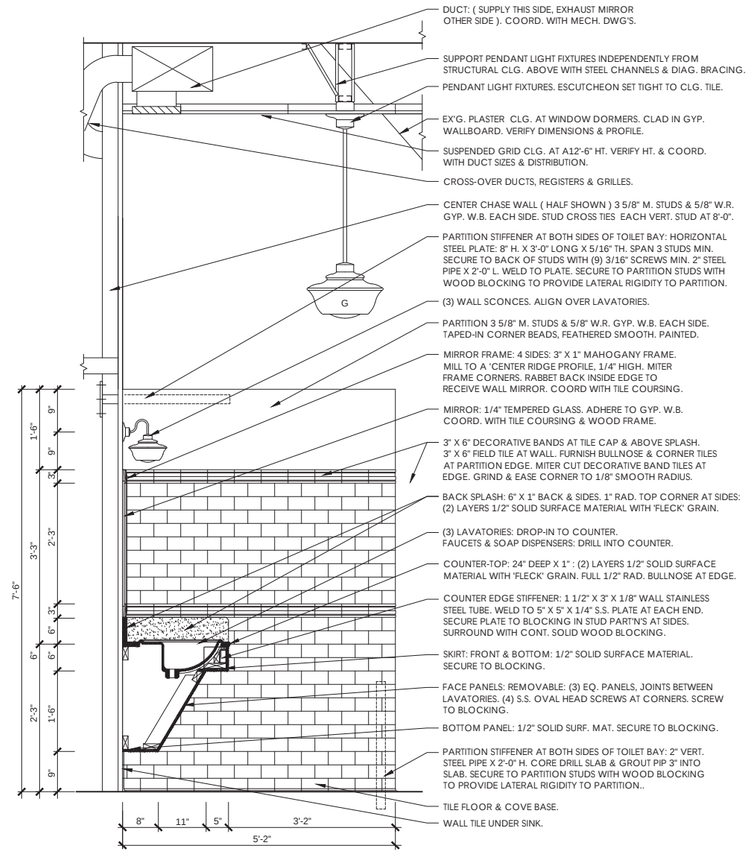
2 CART SHED - DRIVEWAY GUARDRAIL
3/4" = 1'-0"



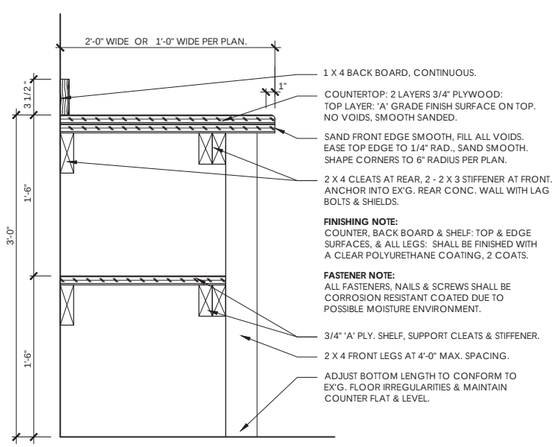
SECTION AT BEAM & FLOOR DRAIN CHASE

SECTION AT MAIN SANITARY PIPE & CHASE

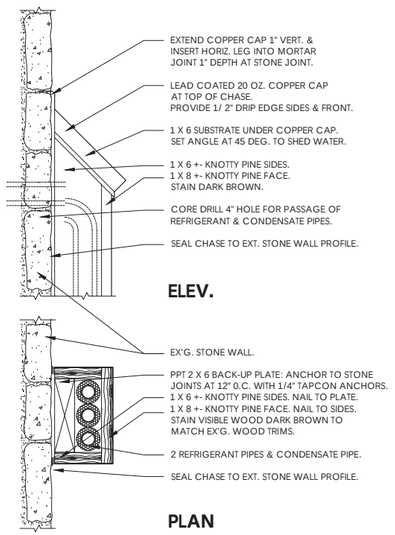
3 SANITARY & DRAIN PIPE CHASES
3" = 1'-0"



1 CLUBHOUSE -- BATHROOM COUNTER
3/4" = 1'-0"



5 COUNTERS & SHELVES: PRO WORK SHED
1 1/2" = 1'-0"



4 REFRIGERANT PIPE CHASE
3/4" = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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NAME	NAME
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TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539 | SHEET NUMBER A-501
SHEET NO. 16 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
DETAILS

SCALE: 3/4" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-A-49
REV. NO. 0

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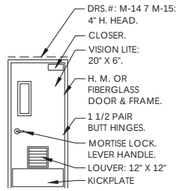
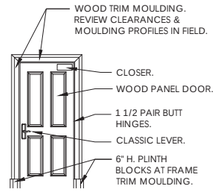
MADE BY JOHN W. LEVY RA



3'-0" X 7'-0" DOOR

TYPE 'A'

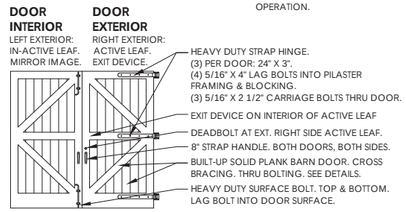
H.M. SINGLE DOOR



6'-0" X 7'-0" DOOR

TYPE 'B'

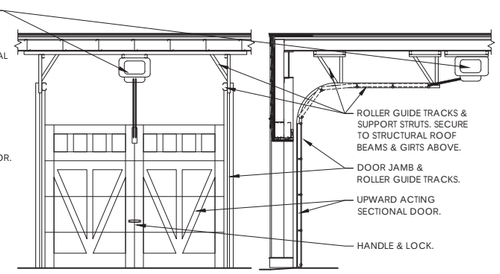
WOOD SINGLE DOOR



8'-0" X 7'-8" DOOR

TYPE 'BARN'

DOUBLE 'BARN STYLE' DOORS

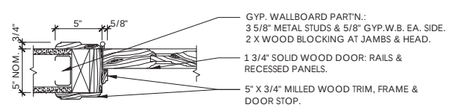


SEE SCHEDULE

TYPE 'O'

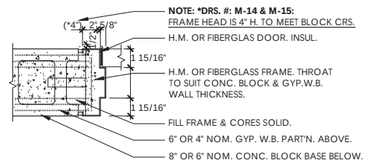
GARAGE DOORS:
UPWARD ACTING SECTIONAL DOORS.

4 DOOR TYPES
1/4" = 1'-0"

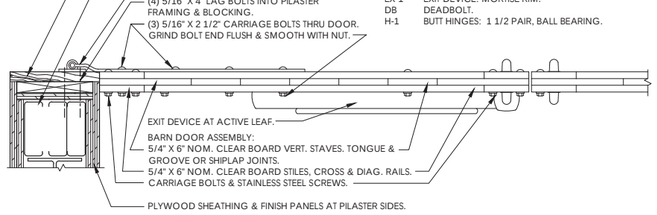


DRS. # CH-1 & CH-2
DRS. # CH-3 & CH-4: SIMILAR

TYPE 'B': WOOD FRAME



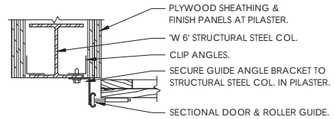
TYPE 'A': H.M. FRAME



BARN DOOR FRAME.

HARDWARE ITEMS: BARN DOORS:

SH	STRAP HINGES
RW	SLIDING RAIL & WHEEL SET.
RB	ROD BOLT.
EX-1	EXIT DEVICE: MORTISE RIM.
DB	DEADBOLT.
H-1	BUTT HINGES: 1 1/2 PAIR, BALL BEARING.



ROLLER GUIDE FRAMES

SECTIONAL DOOR FRAME.

5 FRAME DETAILS
3" = 1'-0"

DOOR #	DOOR SIZE	DOORS MAT'L.	DOORS TYPE	DOORS LABEL	FRAMES MAT'L.	FRAMES TYPE	HARDWARE	REMARKS
GOLF CART SHED.								
G 1 PRO SHED	7'-0" x 3'-0" x 1 3/4"	H.M.	A		H. M.	A	H-1, L-E, T-1, WS	
G 2 PRO SHED	7'-0" x 3'-0" x 1 3/4"	H.M.	A		H. M.	A	H-1, L-E, T-1, WS	
CLUBHOUSE								
CH 1 MENS RM.	7'-0" x 3'-0" x 1 3/4"	WOOD	B		WOOD	B	H-1, L-E, T-1	
CH 2 WOMENS RM.	7'-0" x 3'-0" x 1 3/4"	WOOD	B		WOOD	B	H-1, L-E, T-1	KEYED FOR DAYTIME PASSAGE FUNCTION
CH 3 STORAGE 1	7'-0" x 3'-0" x 1 3/4"	WOOD	B		WOOD	B	H-1, L-E, T-1	
CH 4 STORAGE 2	7'-0" x 3'-0" x 1 3/4"	WOOD	B		WOOD	B	H-1, L-E, T-1	

1 METAL & WOOD DOORS -- SCHEDULE & HARDWARE

DOOR #	DOOR SIZE	DOORS MAT'L.	DOORS TYPE	DOORS LABEL	FRAMES MAT'L.	FRAMES TYPE	HARDWARE	REMARKS
GOLF CART SHED.								
GO 1 GOLF CART STOR.	10'-0" x 7'-8" 'C' SLAT	WOOD	O		STEEL	ANGLE GUIDES	CH, DB	NON- INSUL.
GO 2 GOLF CART STOR.	10'-0" x 7'-8" 'C' SLAT	WOOD	O		STEEL	ANGLE GUIDES	CH, DB	NON- INSUL.
GO 3 GOLF CART STOR.	10'-0" x 7'-8" 'C' SLAT	WOOD	O		STEEL	ANGLE GUIDES	CH, DB	NON- INSUL.
GO 4 GOLF CART STOR.	10'-0" x 7'-8" 'C' SLAT	WOOD	O		STEEL	ANGLE GUIDES	CH, DB	NON- INSUL.

2 UP-ACTING SECTIONAL DOORS -- SCHEDULE & HARDWARE

DOOR #	DOOR SIZE	DOORS MAT'L.	DOORS TYPE	DOORS LABEL	FRAMES MAT'L.	FRAMES TYPE	HARDWARE	REMARKS
GOLF CART SHED.								
GB 1 GOLF CART STOR.	(2) 4'-0" x 7'-8" x 2 1/4"	WOOD	BARN		WOOD	SEE DETAILS	SH, RB, EX-1 (ACTIVE LEAF)	SWING DOORS
GB 2 GOLF CART STOR.	(2) 4'-0" x 7'-8" x 2 1/4"	WOOD	BARN		WOOD	SEE DETAILS	SH, RB, EX-1 (ACTIVE LEAF)	SWING DOORS

3 WOOD BARN DOORS -- SCHEDULE & HARDWARE

HARDWARE ITEMS: SECTIONAL DOORS:

MD	MOTOR DRIVE HOIST
CH	CHAIN HOIST
DB	DEADBOLT & LOCK

HARDWARE ITEMS: H.M. & WOOD DOORS:

H-1	BUTT HINGES: 1 1/2 PAIR, BALL BEARING.	
EX-1	EXIT DEVICE: MORTISE RIM.	
EX-2	EXIT DEVICE: CONCEALED ROD DOUBLE DOORS.	
L-E	BORED LOCK: KEYED ENTRY.	
L-B	BORED LOCK: BATHROOM LOCK.	
L-P	BORED LOCK: PASSAGE LATCH.	
S-1	FLOOR STOP.	
C-1	CLOSER.	
K-1	KICKPLATE.	HARDWARE: TYPICAL SPEC:
T-1	THRESHOLD / SADDLE.	HEAVY DUTY SERIES, RE-CORE CYLINDERS,
VI	VISION LITE	COORD. WITH OWNER MASTER KEY SYSTEM.
LV	LOUVER	
WS	WEATHERSTRIPPING.	EGRESS NOTE:
AS	ASTRAGAL.	ALL DOOR HARDWARE SHALL PROVIDE FREE
DC	DOOR COORDINATOR.	ACCESS IN DIRECTION OF EGRESS ALWAYS.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

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TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER A-601
SHEET NO. 17 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
DOOR SCHEDULE & DETAILS

SCALE: 3/4" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-A-50
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA

ABBREVIATIONS

ADD	ADDENDUM		
ADJ	ADJACENT	HVAC	HEATING VENTILATION & AIR
AFF	ABOVE FINISH FLOOR		CONDITIONING
ALT	ALTERNATE	IN	INCH
ALUM	ALUMINUM	INSUL	INSULATION
ARCH	ARCHITECT (URAL)	LAM	LAMINATE (D)
ARF	ABOVE RAISED FLOOR	LL	LIVELOAD
BD	BOARD	LP	LOW POINT
BLDG	BUILDING	MAINT	MAINTENANCE
BLK	BLOCK	MAX	MAXIMUM
BOF	BOTTOM OF FOOTING	MECH	MECHANICAL
BRG	BEARING	MEP	MECH ELECTRICAL PLUMBING
BRK	BRICK	MFR (D)	MANUFACTURE ® (D)
BSMT	BASEMENT	MIN	MINIMUM
BUR	BUILT UP ROOFING	MISC	MISCELLANEOUS
CB	CATCH BASIN	MO	MASONRY OPENING
CEM	CEMENT	MTL	METAL
CI	CAST IRON	N	NORTH
CI	CENTER LINE	(N)	NEW
CLG	CEILING	NIC	NOT IN CONTRACT
CLR	CLEAR (ANCE)	NO	NUMBER
CMU	CONCRETE MASONRY UNIT	NOM	NOMINAL NUMBER
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE	OA	OVERALL
CONST	CONSTRUCTION	OC	ON CENTER
CJ	CONSTRUCTION JOINT	OH	OVERHEAD
CONT	CONTINUOUS	OPNG	OPENING
COORD.	COORDINATE	OPP	OPPOSITE
CTR	CENTER	P	PIER
DEMO	DEMOLITION	PC	POURED CONCRETE
DEPT	DEPARTMENT	PL	PLATE
DIA	DIAMETER	PNL	PANEL
DIAG	DIAGONAL	PSF	POUNDS PER SQUARE FOOT
DIM	DIMENSION	PTN	PARTITION
DIV	DIVISION	PVC	POLYVINYL CHLORIDE
DL	DEAD LOAD	R	RISER
DN	DOWN	RA	RAISED ACCESS
DP	DAMP PROOFING	RAD	RADIUS
DR	DOOR	RD	ROOF DRAIN
DTL	DETAIL	REF	REFERENCE
DWG	DRAWING	REINF	REINFORCED
E	EAST	RFG	ROOFING
EA	EACH	RM	ROOM
ELEC	ELECTRIC (AL)	RO	ROUGH OPENING
EL	ELEVATION (TOPO)	S	SOUTH
EMERGE	EMERGENCY	SD	STORM DRAIN
ENCL	ENCLOSE (ENCLOSURE)	SECT	SECTION
EQ	EQUAL	SF	SQUARE FOOT
EW	EACH WAY	SIM	SIMILAR
EXC	EXCAVATE	SPEC	SPECIFICATION
EXIST (E)	EXISTING	SQ	SQUARE
EJ	EXPANSION JOINT	STD	STANDARD
EXT	EXTERIOR	STL	STEEL
FD	FLOOR DRAIN	STOR	STORAGE
F	FOOTING	SUSP	SUSPENDED
FDN	FOUNDATION	TGB	TOP GRADE BEAM
FIN	FINISH	THK	THICK (NESS)
FLR	FLOOR	TO	TOP OF
FP	FIREPROOF (ING)	TOS	TOP OF STEEL
FT	FEET	TOW	TOP OF WALL
FTG	FOOTING	TYP	TYPICAL
GA	GAGE, GAUGE	UON	UNLESS OTHERWISE NOTED
GALV	GALVANIZED	VIF	VERIFY IN FIELD
GC	GENERAL CONTRACT (OR)	W	WEST
GB	GRADE BEAM	W/	WITH
HC	HOLLOW CORE	WD	WOOD
HDR	HEADER	WM	WIRE MESH
HDW	HARDWARE	W/O	WITHOUT
HGT	HEIGHT	WP	WATERPROOFING
HM	HOLLOW METAL	WWM	WELDED WIRE MESH
HP	HIGH POINT	WWF	WELDED WIRE FABRIC
HSS	HOLLOW STRUCTURAL SECT		
HTG	HEATING		

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2020 NEW STATE BUILDING CODE.
2. CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL EXISTING CONDITIONS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT OR ENGINEER AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
3. ALL WORK SHALL COMPLY WITH THE RULES AND REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH EXISTING CONDITIONS.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENTS SHALL APPLY CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONAL OR THE STRUCTURE.
6. FURNISH ALL SCAFFOLDING, HOISTING EQUIPMENT AND ANY OTHER EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER.
7. THE CONTRACTOR SHALL REPAIR, AT NO COST TO THE OWNER, ANY DAMAGE CAUSED BY HIM DURING OR RESULTING FROM HIS OPERATIONS.
8. CONTRACTOR SHALL REPLACE ALL EXISTING CONSTRUCTION BEING REMOVED FOR CONSTRUCTION PURPOSES. MATCH EXISTING CONSTRUCTION IN KIND.
9. AFTER CHECKING AND VERIFYING ALL FIELD MEASUREMENTS, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, FULL, COMPLETE, AND DETAILED AS PER INDUSTRY STANDARDS, AND BEARING A STAMP OR WRITTEN INDICATION THAT CONTRACTOR HAS SATISFIED HIS RESPONSIBILITY WITH RESPECT TO THE REVIEW OF THE SUBMISSION.
10. CONTRACTOR SHALL HAVE DETERMINED AND VERIFIED ALL QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS AND SIMILAR DATA, AND REVIEWED OR COORDINATED EACH SHOP DRAWING WITH OTHER SHOP DRAWINGS AND WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS.
11. ENGINEER WILL REVIEW AND APPROVE SHOP DRAWINGS WITH REASONABLE PROMPTNESS, BUT ENGINEER'S REVIEW AND APPROVAL WILL BE ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT AND FOR COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS AND SHALL NOT EXTEND TO MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, OR TO SAFETY PRECAUTIONS OR PROGRAMS INCIDENT THERETO.
12. ENGINEER'S REVIEW AND APPROVAL OF SHOP DRAWINGS OR SAMPLES SHALL NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ANY VARIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS UNLESS CONTRACTOR HAS IN WRITING CALLED ENGINEER'S ATTENTION TO EACH SUCH VARIATION AT THE TIME OF SUBMISSION AND ENGINEER HAS GIVEN WRITTEN APPROVAL OF EACH SUCH VARIATION BY A SPECIFIC WRITTEN NOTATION ON SHOP DRAWING; NOR WILL ANY APPROVAL BY ENGINEER RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SHOP DRAWINGS OR FROM RESPONSIBILITY FOR HAVING COMPLIED WITH THE PROVISIONS OF NOTE 10.
13. MATERIALS SHALL NOT BE FABRICATED OR DELIVERED TO THE SITE BEFORE THE SHOP DRAWINGS HAVE BEEN APPROVED.
14. UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC., SHALL BE REMOVED AND WORK AREA LEFT CLEAN TO THE OWNER'S SATISFACTION.
15. STRUCTURAL DESIGN COMPLIES WITH THE 2016 EDITION OF THE NEW YORK STATE BUILDING CODE.
16. CONTRACTOR MUST NOTIFY THE COUNTY REPRESENTATIVE OF WORK PROGRESS SO THAT REGULAR PERIODIC INSPECTION OF ALL ASPECTS OF THE CONSTRUCTION WORK, INCLUDING EXCAVATION, SUBGRADES, PILE DRIVING/INSTALLATION, REINFORCEMENT PLACEMENT, CONCRETE PLACEMENT, MASONRY CONSTRUCTION, FRAMING, ETC. WORK CANNOT PROCEED WITHOUT APPROVAL OF AT EACH PHASE OF THE WORK.

CONTROLLED FILL:

1. ALL FILL BELOW THE BUILDING WALLS AND ALL BACKFILL AGAINST BUILDING WALLS SHALL BE CONTROLLED FILL COMPACTED TO 95% OF THE MAXIMUM MODIFIED PROCTOR DENSITY WHEN TESTED IN ACCORDANCE WITH ASTM D 1557.
2. ALL BORROW MATERIAL SHALL BE APPROVED PRIOR TO BEING PLACED.
3. FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES AND SHALL BE COMPACTED PRIOR TO PLACEMENT OF NEXT LIFT.
4. CONTRACTOR SHALL PROVIDE FOR IN-PLACE DENSITY TESTING AS THE WORK PROGRESSES. ALL LIFTS MUST BE APPROVED BY THE SPECIAL INSPECTOR PRIOR TO PROCEEDING WITH THE NEXT LIFT.
5. ALL SOIL COMPACTION SUBJECT TO SPECIAL INSPECTION.

GEOTECHNICAL REPORT:

1. THE RESULTS OF THE GEOTECHNICAL INVESTIGATION FOR THIS SITE ARE PRESENTED IN A REPORT PREPARED BY "THE GEOTECHNICAL DEPARTMENT LLC" DATED SEPTEMBER 20, 2016.
2. RESULTS OF TEST BORINGS INDICATED ON DRAWING B-100.
3. ALL SITE AND FOUNDATION WORK SHALL BE COORDINATED WITH RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.

MASONRY

1. ALL MASONRY MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY BY THE NATIONAL CONCRETE MASONRY ASSOCIATION.
2. LOAD BEARING BLOCK SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS: HOLLOW BLOCK: ASTM C90 UNIT COMPRESSIVE STRENGTH 2000 PSI (MIN) BASED ON NET AREA. SOLID BLOCK: ASTM C145 UNIT COMPRESSIVE STRENGTH 2000 PSI (MIN) BASED ON GROSS AREA.
3. MORTAR FOR BLOCK CONSTRUCTION SHALL BE TYPE M OR S IN ACCORDANCE WITH ASTM C270.
4. GROUT FOR SOLID FILLED BLOCK, WITH OR WITHOUT REINFORCING, SHALL BE 4,000PSI IN ACCORDANCE WITH ASTM C476. GROUT FILLED HOLLOW BLOCK MAY BE USED IN LIEU OF SOLID BLOCK WHERE PLANS INDICATE SOLID BLOCK.
5. UTILIZE HIGH-LIFT OR LOW-LIFT GROUTING TECHNIQUE IN ACCORDANCE WITH ABOVE CODES WHERE GROUTING IS NECESSARY.
6. HORIZONTAL JOINT REINFORCING SHALL BE PROVIDED AT EVERY SECOND COURSE, AND SHALL BE 3/16" X 9 GAUGE ELECTRONCALLY WELDED TRUSS TYPE, GALVANIZED, WIRE REINFORCING WIDTH SIZED TO WALL CONDITION. USE DUR-O-WAL OR EQUAL.
7. ALL MASONRY ANCHORS SHALL BE GLAVANIZED.
8. ALL VERTICAL BAR REINFORCEMENT SHALL BE EPOXY COATED.

FOUNDATION:

1. ALL FOOTINGS SHALL BEAR SOUND ROCK, HAVING A MINIMUM SAFE BEARING CAPACITY OF 3.0 TONS PER SQUARE FOOT.
2. ROCK SHALL BE BENCHED AND LEVELED TO RECEIVE FOOTINGS.
3. NO FOOTING CONCRETE SHALL BE PLACED PRIOR TO INSPECTION AND CERTIFICATION OF BY THE SPECIAL INSPECTOR.
4. ELEVATIONS OF FOOTINGS ARE SUBJECT TO CHANGE IN THE FIELD IN ORDER TO SATISFY BEARING REQUIREMENTS.
5. FOOTING - BOTTOM ELEVATION ARE SHOWN ON PLAN.
6. COORDINATE ALL GROUND ELEVATIONS, INTERIOR AND EXTERIOR, WITH APPROVED SITE PLANS AND ARCHITECTURAL PLANS.
7. BACKFILL AGAINST BOTH SIDES OF FOUNDATION WALLS, GRADE BEAMS, OR PIERS MUST BE PLACED IN A BALANCED MANNER.
8. ALL BACKFILL AT WALLS AND GRADE BEAMS SHALL BE CONTROLLED COMPACTED FILL, SUBJECT TO TESTING AND SPECIAL INSPECTIONS.
9. ALL BACKFILL SHALL BE COMPACTED UNDER SOIL ENGINEER'S SUPERVISION TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH REQUIREMENTS OF ASTM D1556 AT OPTIMUM MOISTURE CONTENT SPECIFIED IN ASTM D1557.

STRUCTURAL STEEL:

THE STRUCTURAL STEEL CONTRACTOR SHALL VERIFY THE FOUNDATION CONSTRUCTION FOR ANCHOR BOLT LOCATION, ELEVATION OF TOP OF CONCRETE OR BEARING PLATES, ALIGNMENT, ETC. PRIOR TO START OF ERECTION.

1. FABRICATION AND ERECTION OF ALL STRUCTURAL STEEL SHALL CONFORM TO THE LATEST AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
2. ALL STEEL SHALL BE NEW, CLEAN AND STRAIGHT MEMBERS CONFORMING TO THE FOLLOWING ASTM MATERIAL STANDARD. STEEL

SHAPE/SECTION	ASTM MATERIAL STANDARD
W	A992
C,MC	A36
L	A36
HSS	A500 GRADE B
PIPE	A53 GRADE B
PLATES	A36

3. ALL SHOP WORK TO BE WELDED OR HIGH STRENGTH BOTLS (3/4" DIAMETER ASTM A325 MINIMUM).
4. STRUCTURAL FASTENERS SHALL CONFORM TO THE FOLLOWING ASTM MATERIAL STANDARD.

FASTENER TYPE	ASTM MATERIAL STANDARD
HIGH-STRENGTH, CONVENTIONAL BOLTS.	A325, A490
HIGH-STRENGTH, TWIST-OFF-TYPE TENSION CONTROL BOLTS.	F1852, FF2280
COMMON BOLTS.	A307 GRADE B
THREADED RODS.	A36
ANCHOR RODS.	F1554 GRADE 36

5. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS, IN ACCORDANCE WITH AWS CODE.
6. ALL COLUMNS SHALL BE FURNISHED WITH CAP PLATES AND BASE PLATES OF THE SIZE INDICATED AND SHALL BE SHOP WELDED.
7. LEVELING PLATES UNDER COLUMN BASE PLATES SHALL BE SET TO EXACT GRADE AND LEVEL IN A BED OF NON-SHRINKING GROUT AT LEAST 5 DAYS PRIOR TO ERECTION OF THE MAIN FRAMING.
8. PROVIDE HOLES, COPINGS, NAIL HOLES, ETC., AS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES. THEY SHALL BE SHOWN ON STRUCTURAL STEEL SHOP DRAWINGS AND SHALL BE SHOP MADE, FIELD BURNING OF HOLES OR CUTS IN STRUCTURAL STEEL MEMBERS WILL NOT BE PERMITTED, EXCEPT WITH THE SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER.
9. SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION.
10. CONTRACTOR TO COORDINATE OPENINGS ON ARCHITECTURAL AND MECHANICAL DRAWINGS WITH STRUCTURAL FRAMING PLAN.
11. REPRODUCTION OF STRUCTURAL DESIGN DRAWINGS ARE NOT TO BE SUBMITTED AS SHOP DRAWINGS.
12. PROVIDE TEMPORARY BRACING AS REQUIRED TO RESIST WIND, CONSTRUCTION LOADS, ETC. DURING ERECTION, BRACING TO REMAIN IN PLACE UNTIL ROOF DECK AND MASONRY WALLS ARE COMPLETELY INSTALLED..

CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND PRACTICE FOR DETAILING OF REINFORCED CONCRETE, ALL AS AMENDED BY THE NEW YORK STATE BUILDING CODE.
2. ALL CAST-IN-PLACE CONCRETE SHALL BE CONTROLLED STONE CONCRETE HAVING A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF:
   2.1. 4,000 PSI STRUCTURAL SLABS & SLAB-ON-GRADE.
   2.2. 3,500 PSI FOOTINGS, PILE CAPS, WALLS AND GRADE BEAMS.
3. MINIMUM CEMENT FACTOR 5.75 BAGS PER CUBIC YARD OF CONCRETE. CONTRACTOR SHALL SUPPLY CONCRETE HAVING A 28 DAY STRENGTH 25 PERCENT GREATER THAN THE DESIGN STRENGTH SPECIFIED.
4. CONCRETE FOR FLOOR SLABS SHALL HAVE A MAXIMUM WATER CEMENT RATIO OF 0.40. ALL OTHER CONCRETE SHALL HAVE A MAXIMUM WATER CEMENT RATIO OF 0.45.
5. CONCRETE MAY CONTAIN A WATER REDUCING ADMIXTURE, AND/OR HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).
6. ADMIXTURES SHALL CONFORM WITH ASTM C-494 REQUIREMENTS AND CONTAIN NO MORE CHLORIDE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER.
7. ALL PUMPED CONCRETE, ARCHITECTURAL CONCRETE, CONCRETE FOR SLABS, AND OTHER CONCRETE WITH A WATER-CEMENT RATIO OF 0.45 OR LESS SHALL CONTAIN THE HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).
8. NON-CHLORINE ACCELERATING ADMIXTURES SHALL BE USED IN ALL CONCRETE SLABS PLACED AT TEMPERATURES BELOW 50 DEGREES F. ADMIXTURE SHALL CONFORM WITH ASTM C-494 REQUIREMENTS, AND CONTAIN NO MORE CHLORINE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER.
9. AIR ENTRAINING ADMIXTURE CONFORMING TO ASTM C260, SHALL BE USED IN ALL CONCRETE EXPOSED TO THE WEATHER.
10. WHEN CONSTRUCTION JOINTS ARE USED IN SLABS OR BEAMS, THEY SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR, SHALL BE KEYED AND HAVE REINFORCING RUN THROUGH JOINT OR BE DOWELED WITH SUFFICIENT DOWEL EMBEDMENT AND/OR LAP TO DEVELOP FULL STRENGTH OF REINFORCING.
11. HORIZONTAL PLACEMENT STOPS INTERRUPTING THE VERTICAL THICKNESS OF CONCRETE BEING PLACED ARE NOT PERMITTED.
12. PROVIDE PLACEMENT STOPS AND/OR CONTRACTION (CONTROL) JOINTS IN SLABS ON EARTH ALONG ALL COLUMN CENTERLINES, AND BETWEEN (1/2 BAY, 1/3 BAY, ETC.) SO THAT MAXIMUM JOINT SPACING IS LIMITED TO 25 FT +/-IN ANY DIRECTION.
13. ALL SLABS ON EARTH SHALL BE REINFORCED AS INDICATED ON DRAWINGS.
14. CONCRETE PADS, ETC. NOT CAST INTEGRALLY, WITH SLAB ON EARTH SHALL BE REINFORCED WITH 6 X 6-6/6 WELDED WIRE MESH (6 X 6-W2.9) AT MID-DEPTH OF SLAB, UNLESS SHOWN OTHERWISE.
15. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL, DEFORMED TYPE, (ASTM A-615 GRADE 60) AND SHALL COMPLY WITH ACI CODE REQUIREMENTS.
16. ALL REINFORCING BARS IN SLABS AND GRADE BEAMS SHALL BE EPOXY COATED.
17. ALL WELDED WIRE MESH 9WWM0 SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-185
18. MINIMUM LENGTH OF SLAB REINFORCEMENT SHALL BE AS PER ACI BUILDING CODE.
19. LENGTH OF REINFORCING SPLICES SHALL CONFORM TO ACI BUILDING CODE REQUIREMENTS.
20. TOP STEEL IN BEAMS AT DISCONTINUOUS ENDS SHALL EXTEND INTO ADJACENT SLAB 40 BAR DIAMETERS OR A MINIMUM OF 2'-0" UNLESS GREATER EXTENSION IS CALLED FOR ON DRAWINGS.
21. CONCRETE SHALL BE CURED WITH APPROVED METHODS FOR A MINIMUM OF SEVEN DAYS AFTER PLACEMENT.
22. CONCRETE PROTECTION FOR REINFORCING STEEL, SHALL BE AS FOLLOWS UNLESS INDICATED OTHERWISE ON DRAWINGS

SLABS	3/4"
BEAMS	1-1/2"
COLUMNS/PIERS	2"
CONCRETE PLACED ON GROUND	3"

23. USE CHAIRS TO LOCATE & HOLD ALL REINFORCEMENT IN PLACE.
24. PROVIDE 3/4" CHAMFER AT CORNERS OF ALL CONCRETE BEAMS AND COLUMNS EXCEPT AS DIRECTED BY ARCHITECT.
25. GROUT FOR STEEL COLUMN BASES TO BE NON-SHRINKING MORTAR, OR APPROVED MANUFACTURED NON-SHRINK GROUT.
26. SUBMIT SHOP DRAWINGS OF REINFORCING STEEL FOR REVIEW BEFORE FABRICATION.
27. ALL CONCRETE WORK, INCLUDING CONCRETE, FORMS AND REINFORCEMENT SHALL BE INSPECTED AT THE WORK SITE BY QUALIFIED INSPECTORS. A RECORD SHALL BE KEPT OF SUCH INSPECTION WHICH SHALL COVER THE CERTIFICATION OF THE CONCRETE AS REQUIRED BY THE BUILDING CODE FOR THE PLACING OF THE CONCRETE, THE SLUMP, UNIT WEIGHT, AIR CONTENT OF THE CONCRETE, PLACING OF THE REINFORCING STEEL, THE SIZE AND DIMENSION OF THE CONCRETE MEMBERS AND REINFORCING, AND A COMPLETE RECORD OF ALL TEST SAMPLES AND RESULTS.
28. THE PRODUCER OF CONCRETE SHALL USE MIX PROPORTIONS AND WATER CEMENT RATIOS WHICH HAVE BEEN SHOWN BY PREVIOUS TESTS TO PRODUCE SATISFACTORY CONCRETE OF THE REQUIRED STRENGTH AT A SLUMP OF 5 INCHES WITH A TOLERANCE OF PLUS OR MINUS 1 INCH. EACH LOAD OF CONCRETE SHALL BE CERTIFIED BY THE PRODUCER TO THE OWNER AS TO THE CONCRETE STRENGTH AND QUANTITIES PER CUBIC YARD OF EACH MATERIAL. A COPY OF SUCH CERTIFICATION SHALL BE READILY AVAILABLE TO THE BUILDING DEPARTMENT DURING THE PROGRESS OF THE WORK AND FOR TWO YEARS THEREAFTER.
29. SAMPLES MUST BE TAKEN FROM MIXER AND TESTED FOR SLUMP, AIR CONTENT, TEMPERATURE, AND WEIGHT PER CUBIC FOOT AS PER 27-607. FOR EACH CLASS OF CONCRETE POURED EACH DAY FOUR (4) TEST CYLINDERS SHALL BE MADE FROM SAMPLING FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF. CYLINDERS SHALL BE CURED AND STORED AND TESTED AS REQUIRED BY THE NEW YORK STATE CODE.

STRUCTURAL DESIGN CRITERIA

APPLICABLE CODE: NEW YORK STATE BUILDING CODE 2020

DEAD LOADS:

APPLICABLE DEAD LOADS ARE SHOWN FOR EACH STRUCTURE. SEE INDIVIDUAL FRAMING PLANS.

FOR THE DELEGATED DESIGN OF THE ENGINEERED BUILDINGS IN THE PROJECT, THE CONTRACTOR SHALL INCLUDE ANY MANUFACTURER SPECIFIC DEAD LOADS AS WELL AS DEAD LOADS FOR ALL COMPONENTS SHOWN IN THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND SPRINKLER DRAWINGS.

LIVE LOAD:
MINIMUM ROOF LIVE LOAD: 20 PSF

SNOW LOAD:

GROUND SNOW LOAD:	30 PSF
SNOW LOAD:	25.2 PSF
SNOW EXPOSURE FACTOR (Ce):	1.0
SNOW IMPORTANCE FACTOR (Is)	1.0
THERMAL FACTOR (Ct):	1.2

WIND LOAD:

BASIC WIND SPEED:	114 MPH
OCCUPANCY CATEGORY	II
WIND IMPORTANCE FACTOR (Iw):	1.0
WIND EXPOSURE:	C

EARTHQUAKE:

IMPORTANCE FACTOR (Ie):	1.0
SEISMIC OCCUPANCY CATEGORY:	II
SOIL SITE CLASS:	D
MAPPED SPECTRAL RESPONSE (Ss):	0.281
MAPPED SPECTRAL RESPONSE (S1):	0.061
ADJUSTED SPECTRAL RESPONSE (Sms):	0.442
ADJUSTED SPECTRAL RESPONSE (Sm1):	0.145
DESIGN SPECTRAL RESPONSE (Sds):	0.295
DESIGN SPECTRAL RESPONSE (Sd1):	0.097
SEISMIC DESIGN CATEGORY:	B

SPECIAL INSPECTION ITEMS:

THE FOLLOWING ITEMS OF WORK ARE SUBJECT TO SPECIAL INSPECTION BY A QUALIFIED SPECIAL INSPECTION AGENCY, PER THE REQUIREMENT OF THE NEW YORK STATE BUILDING CODE.

THE CONTRACTOR SHALL ENGAGE, HIRE AND PAY ALL COSTS ASSOCIATED WITH PROVIDING SPECIAL INSPECTION SERVICES. COORDINATE WITH INDIVIDUAL SPECIFICATIONS SECTIONS.

CODE REFERENCE	INSPECTION REQUIREMENT
BC 1705.3 & TABLE 1705.3	CONCRETE CONSTRUCTION
REINFORCEMENT & PLACEMENT	PERIODIC
ANCHOR PLACEMENT	CONTINUOUS
CONCRETE SAMPLING & TESTING	CONTINUOUS
DESIGN MIX	PERIODIC
FORMWORK	PERIODIC
BC 1704.7 & TABLE 1704.7	SOILS
FOOTING SUBGRADE BEARING CAPACITY	PERIODIC
ELEVATION BOTTOM OF FOOTING	PERIODIC
TESTING OF CONTROLLED FILL	PERIODIC
PLACEMENT & COMPACTION OF CONTROLLED FILL	CONTINUOUS
SUBGRADE PRIOR TO CONTROLLED FILL	PERIODIC

BC 1705.2.2 & 1705.2.2 STRUCTURAL STEEL

PERFORM PERIODIC SPECIAL INSPECTION OBSERVATIONS PER THE REQUIREMENTS OF AISC 360-11 FOR:

WELDING BEFORE, DURING AND AFTER WELDING COMPLETED.

HIGH STRENGTH BOLTING BEFORE, DURING AND AFTER BOLTED CONNECTIONS COMPLETED.

BC 1705.12.3 COLD-FORMED STEEL LIGHT GAUGE FRAMING

PERIODIC SPECIAL INSPECTION OBSERVATIONS OF SCREW ATTACHMENTS, BOLTING, ANCHORING FOR ALL EXTERIOR WALLS AND ROOF CONSTRUCTION.

BC 1705.6 & TABLE 1705.6	INSPECTIONS & TESTS OF SOILS
VERIFY BEARING CAPACITY	PERIODIC
VERIFY FOOTING DEPTH & PROPER MATERIAL	PERIODIC
COMPACTED FILL OPERATIONS & DENSITY TESTING	CONTINUOUS

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
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WHITE PLAINS, NY 10605
PHONE 914.428.0909
INFO@HILLMANMILEY.COM

STATE OF NEW YORK · KEVIN J. MILEY · LICENSED PROFESSIONAL ENGINEER · NO. 060391

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

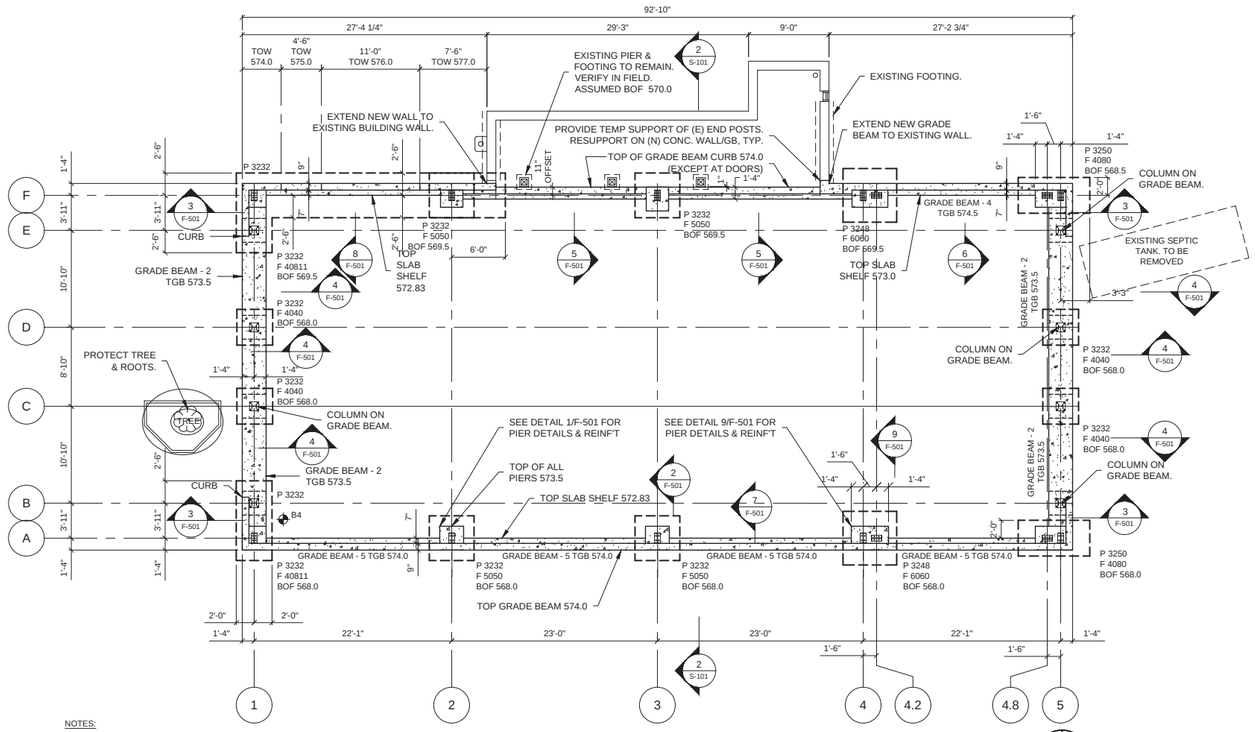
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER S-001
SHEET NO. 18 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUB HOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
STRUCTURAL NOTES

SCALE: NTS
DATE: 6/4/21
DPW FILE NO. 10-02-S-51
REV. NO. 0

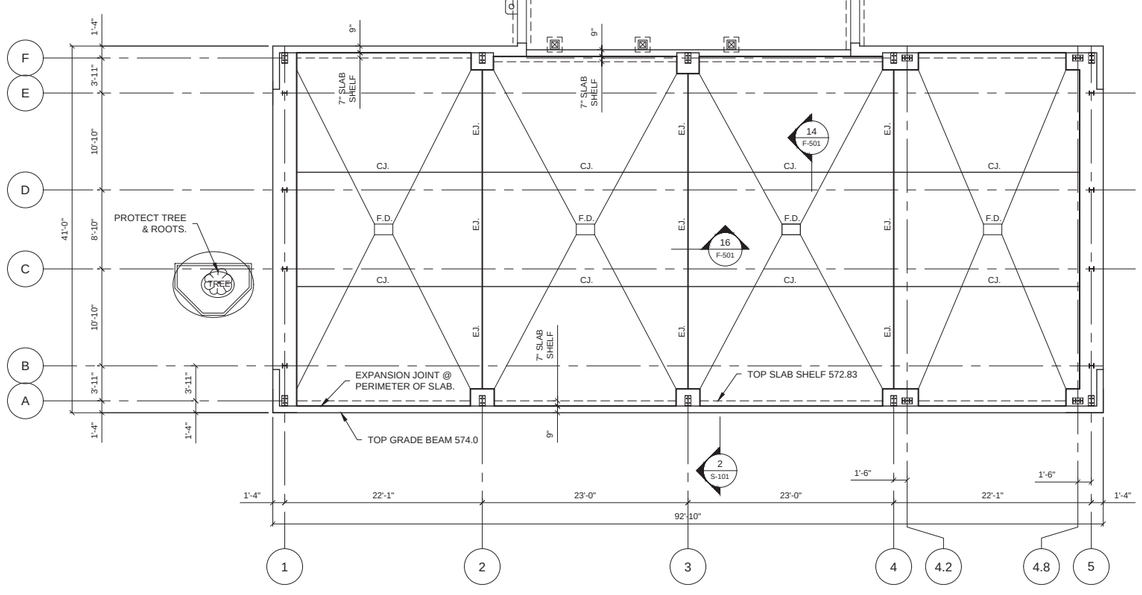
IN CHARGE OF KJM
CHECKED BY KJM
MADE BY TJR/AGS



NOTES:

1. HIGH POINT FINISHED FLOOR ELEVATION 573.50.
2. SEE PLAN FOR TOP OF GRADE BEAM ELEVATION.
3. TYPICAL TOP OF PIER ELEVATION 573.50 UNLESS NOTED.
4. SEE PLAN FOR BOTTOM OF FOOTING ELEVATION.
5. ALL FOOTING SHALL BEAR ON ROCK, EXCAVATED, BENCHED AND LEVELED.
6. TRENCH EXCAVATE ROCK FOR GRADE BEAMS MINIMUM 2" BELOW BOTTOM OF GRADE BEAM.
7. SEE SHEET F501 FOR PIER DETAILS.

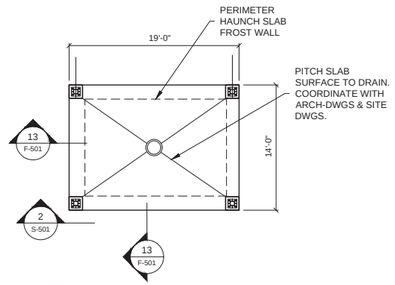
1 FOUNDATION PLAN GOLF CART STORAGE SHED
1/8" = 1'-0"



2 SLAB PLAN GOLF CART STORAGE SHED
1/8" = 1'-0"

NOTES:

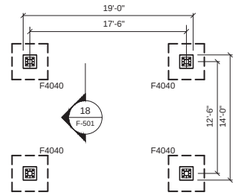
1. HIGH POINT FINISHED FLOOR 573.5O.
2. 8" CONCRETE SLAB WITH #4 @12" EACH WAY.
3. 6 MIL VAPOR BARRIER & 6" COMPACTED STONE.
4. SEE SLAB DETAILS 14 THRU 17 / F-501.



NOTES:

1. FINISHED FLOOR 572.0
2. 12" CONCRETE SLAB, WITH #4 @ 12" TOP & BOTTOM EACH WAY. (2) LAYERS.
3. INSTALL 6" COMPACTED STONE BASE.

4 SLAB PLAN CART WASH & FUELING STATION
1/8" = 1'-0"



NOTES:

1. FINISHED FLOOR ELEVATION 572.00.
2. SEE SLAB PLAN BELOW FOR PERIMETER HAUNCH SLAB.
3. TYPICAL PIER THIS PLAN 18" X 18".REINFORCE WITH (12) #5 L-BARS INTO FOOTING & #3 TIES AT 6" SPACING..
4. TOP OF PIER ELEVATION 572.50 UNLESS NOTED.
5. BOTTOM OF FOOTING ELEVATION 568.00.
6. ALL FOOTING SHALL BEAR ON ROCK, EXCAVATED, BENCHED AND LEVELED.
7. SEE DRAWING F-102 FOR FOOTING SCHEDULE & FOUNDATION NOTES.

3 FOUNDATION PLAN CART WASH & FUELING STATION
1/8" = 1'-0"

PROJECT SPREAD FOOTING SCHEDULE

MARK	SIZE	DEPTH	BOTTOM REINFORCING EACH WAY	TOP REINFORCING EACH WAY
F5050	5'-0" X 5'-0"	1'-4"	(6) - #5	(6) - #5
F4040	4'-0" X 4'-0"	1'-0"	(7) - #4	(7) - #4
F6060	6'-0" X 6'-0"	1'-4"	(10) - #5	(10) - #5
F4080	4'-0" X 8'-0"	1'-4"	(6) - #5 LW	(6) -#5 LW
F4080			(12) - #5 SW	(12) - #5 SW
F40811	4'-0" X 8'-11"	1'-4"	(6) - #5 LW	(6) -#5 LW
F40811			(14) - #5 SW	(14) - #5 SW

NOTES:
ALL BARS 90° HOOK EACH END.

PROJECT LEGEND:

- TEST BORING
- EXPANSION JOINT SEE 12/501 (EJ)
- CONTROL JOINT SEE 11/F501 (CJ)
- **GB #** GRADE BEAM NUMBER
- FLOOR DRAIN (F.D.)
- **P** PIER
- **F** FOOTING
- **TGB** TOP OF GRADE BEAM
- **BOF** BOTTOM OF FOOTING
- **TOW** TOP OF WALL
- EXISTING SOIL
- EXISTING ROCK

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STATE OF NEW YORK · KEVIN J. MILEY · LICENSED PROFESSIONAL ENGINEER · NO. 060391

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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- AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

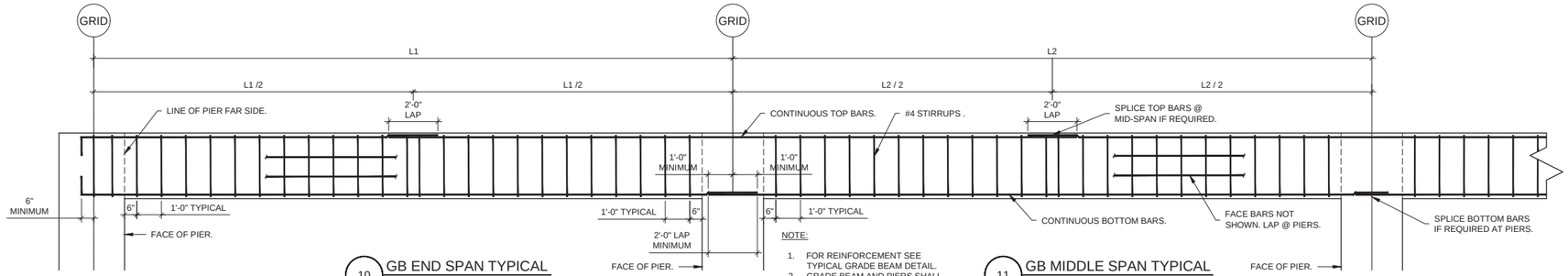
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER F-101
SHEET NO. 19 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUB HOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
FOUNDATION PLANS

SCALE: 1/8"=1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-F-52
REV. NO. 0

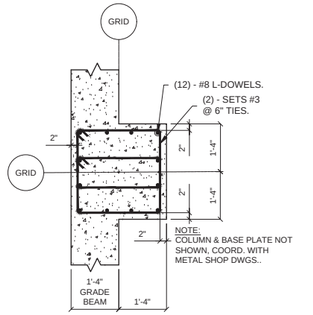
IN CHARGE OF KJM
CHECKED BY KJM
MADE BY TJR/AGS



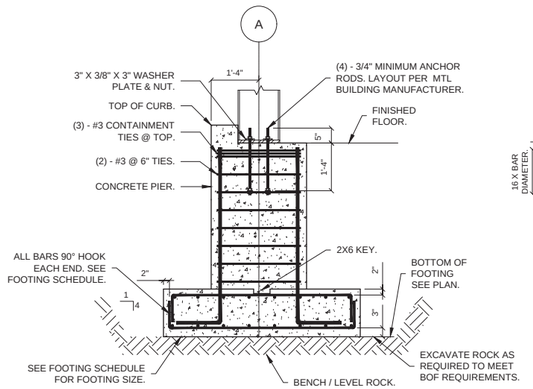
NOTE:
1. FOR REINFORCEMENT SEE TYPICAL GRADE BEAM DETAIL.
2. GRADE BEAM AND PIERS SHALL BE PLACED MONOLITHIC.

10 GB END SPAN TYPICAL
3/8" = 1'-0"

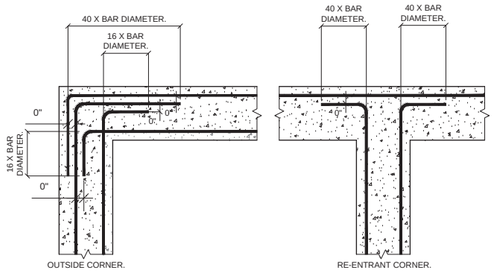
11 GB MIDDLE SPAN TYPICAL
3/8" = 1'-0"



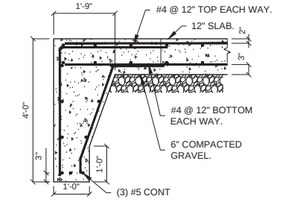
1 PLAN DETAIL - PIER CART SHED P3232
1/2" = 1'-0"



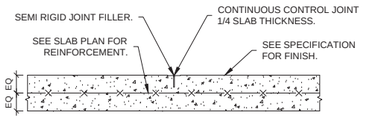
2 TYPICAL SECTION @ FRAME COLUMN CART SHED
1/2" = 1'-0"



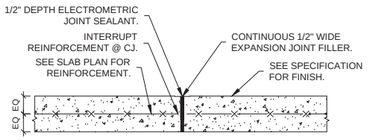
12 TYPICAL PLAN DETAIL FOR REBAR CORNERS
NO SCALE



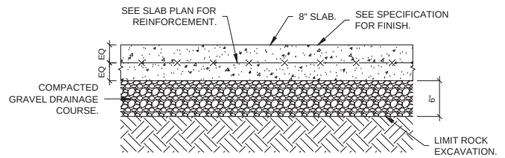
13 HAUNCH SLAB FROST WALL
1/2" = 1'-0"



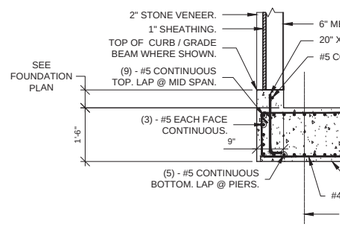
SLAB ON GRADE
14 CONTROL JOINT DETAIL (CJ)
1" = 1'-0"



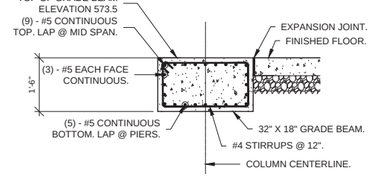
SLAB ON GRADE
15 EXPANSION JOINT DETAIL (EJ)
1" = 1'-0"



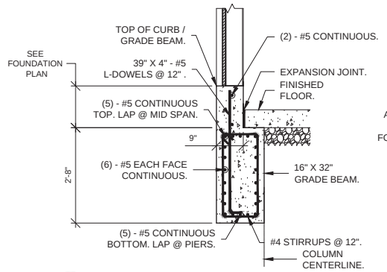
DETAIL ROCK ABOVE
16 SLAB @ ROCK EXCAVATION
1" = 1'-0"



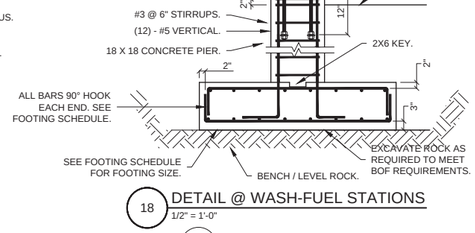
3 TYPICAL SECTION @ GRADE BEAM - 2
1/2" = 1'-0"



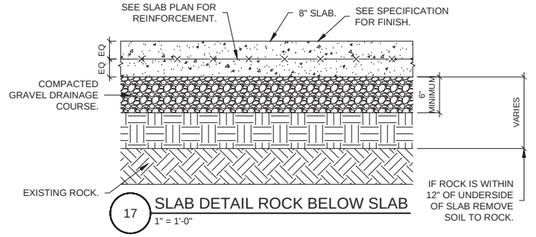
4 TYPICAL SECTION @ GRADE BEAM - 2 @ DOOR OPENINGS
1/2" = 1'-0"



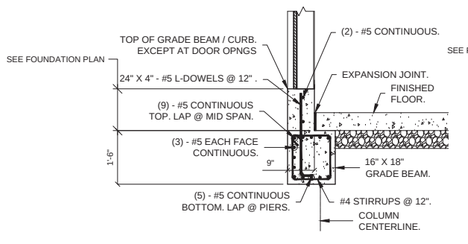
7 TYPICAL SECTION @ GRADE BEAM - 5
1/2" = 1'-0"



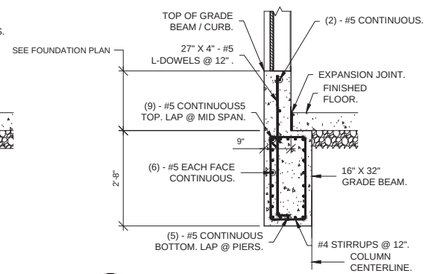
18 DETAIL @ WASH-FUEL STATIONS
1/2" = 1'-0"



17 SLAB DETAIL ROCK BELOW SLAB
1" = 1'-0"

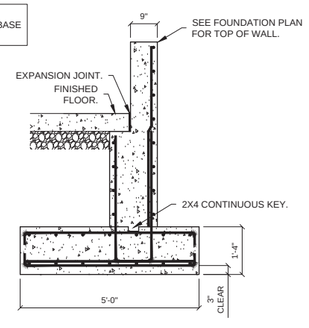


5 TYPICAL SECTION @ GRADE BEAM - 3
1/2" = 1'-0"

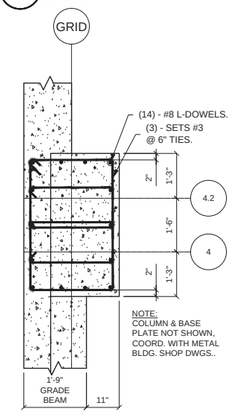


6 TYPICAL SECTION @ GRADE BEAM - 4
1/2" = 1'-0"

NOTE:
SEE DRAWING S-501 FOR ADDITIONAL BASE PLATE AND ANCHOR DETAILS.



8 SECTION RETAINING WALL GRID F
1/2" = 1'-0"



9 PLAN DETAIL - PIER P3248
1/2" = 1'-0"

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STATE OF NEW YORK
KEVIN J. MILEY
LICENSED PROFESSIONAL ENGINEER
NO. 060391

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
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SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

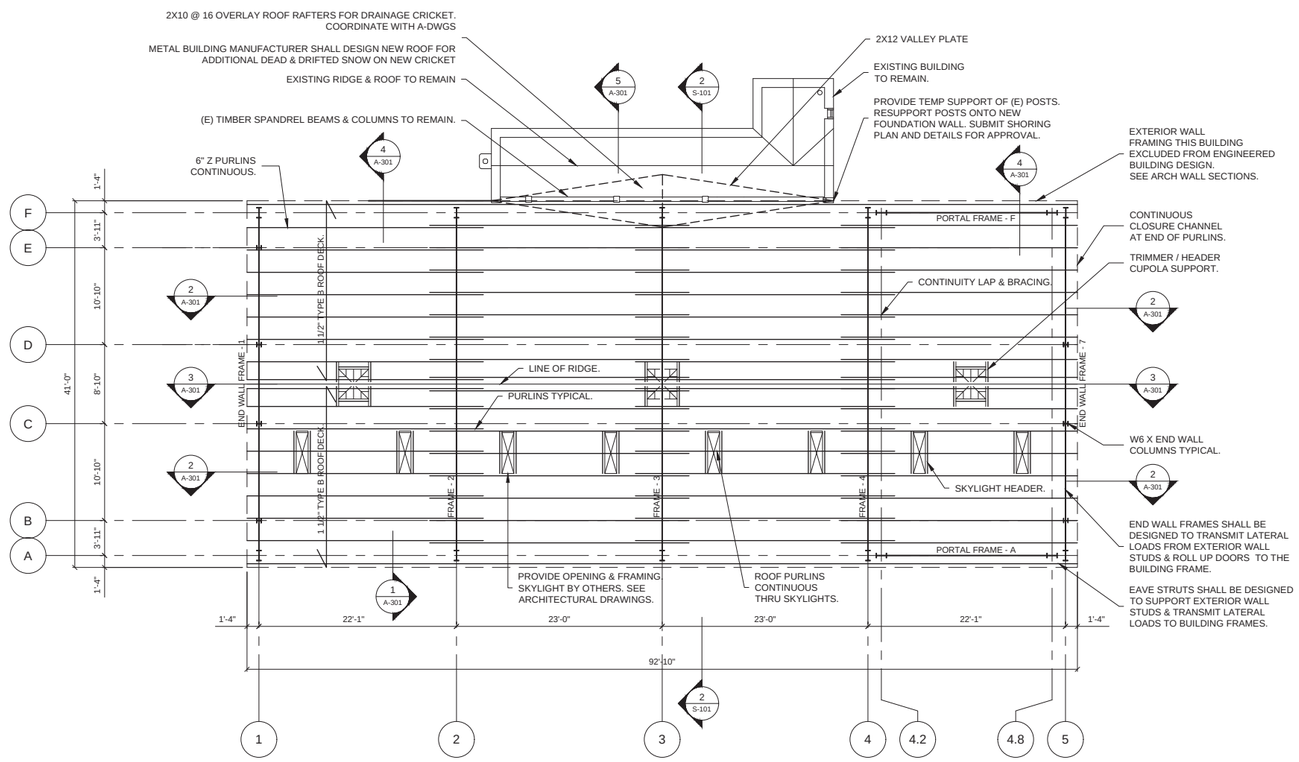
CONTRACT NUMBER	SHEET NUMBER
17-539	F-501

SHEET NO. 20 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUB HOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
FOUNDATION SECTIONS & DETAILS

SCALE: AS-NOTED
DATE: 6/4/21
DPW FILE NO. 10-02-F-53
REV. NO. 0

IN CHARGE OF KJM
CHECKED BY KJM
MADE BY TJR/AGS



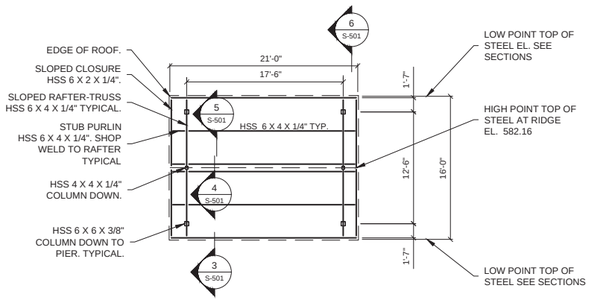
NOTES:

1. PROVIDE A COMPLETE, INTEGRATED SET OF MUTUALLY DEPENDENT COMPONENTS AND ASSEMBLIES THAT FORM A METAL BUILDING SYSTEM CAPABLE OF WITHSTANDING STRUCTURAL AND OTHER LOADS, THERMALLY INDUCED MOVEMENT, AND EXPOSURE TO WEATHER WITHOUT FAILURE OR INFILTRATION OF WATER INTO BUILDING INTERIOR.
2. DESIGN OF BUILDING IS DELEGATED TO CONTRACTOR WHO SHALL ENGAGE A QUALIFIED PROFESSIONAL TO DESIGN THE METAL BUILDING.
3. SEE SPECIFICATIONS FOR DETAIL PERFORMANCE REQUIREMENTS.
4. COORDINATE DELEGATED STRUCTURAL DESIGN WITH ARCHITECTURAL DRAWINGS.
5. REFER TO DRAWING S-001 FOR DESIGN PARAMETERS.

1 ROOF FRAMING PLAN
1/8" = 1'-0"

DESIGN DEAD LOADS

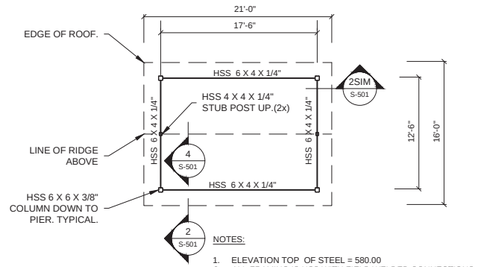
SLATE ROOFING	= 12 PSF
(2) - 3/4" PLYWOOD	= 8 PSF
1 1/2" ROOF DECK	= 2 PSF
PURLINS	= ACTUAL
MISC MEP	= 3 PSF
CUPOLA	= ACTUAL



NOTES:

1. ELEVATION TOP OF STEEL = VARIES
2. ALL FRAMING IS HSS WITH FIELD WELDED CONNECTIONS.
3. ALL WELDS TO BE GROUND SMOOTH FOR APPEARANCE.
4. ROOF DECK SHALL BE 20 GAUGE 1-1/2" GALV. TYPE B

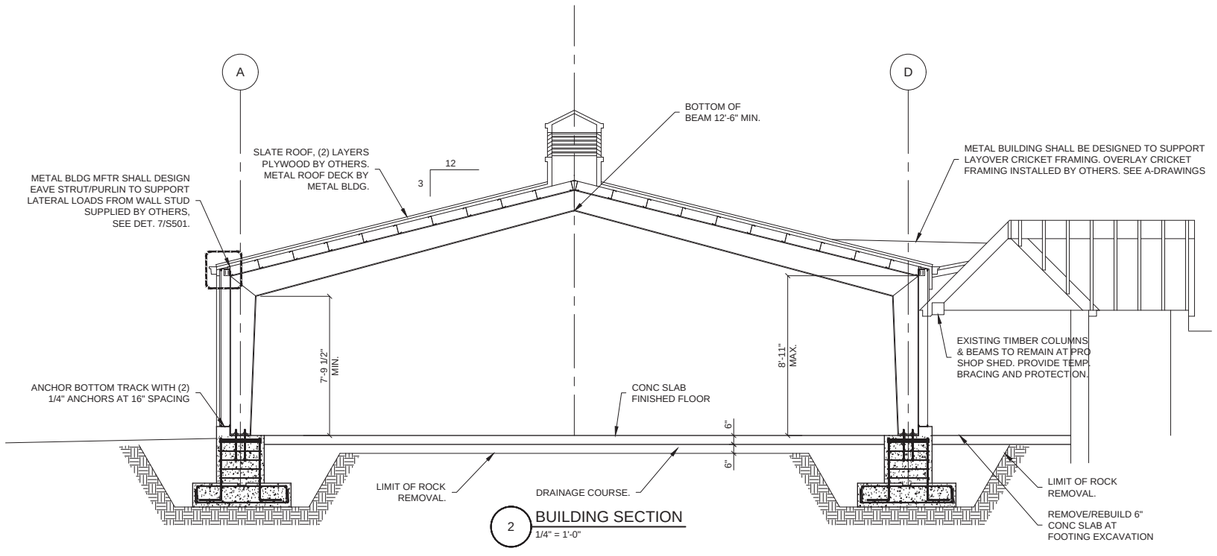
2 ROOF GABLE FRAMING PLAN
CART WASH & FUELING STATION
1/8" = 1'-0"



NOTES:

1. ELEVATION TOP OF STEEL = 580.00
2. ALL FRAMING IS HSS WITH FIELD WELDED CONNECTIONS.
3. ALL WELDS TO BE GROUND SMOOTH FOR APPEARANCE.

3 TIE BEAM FRAMING PLAN
CART WASH & FUELING STATION
1/8" = 1'-0"



2 BUILDING SECTION
1/4" = 1'-0"

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER S-101
SHEET NO. 21 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUB HOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
STRUCTURAL FRAMING PLANS

SCALE: AS-NOTED
DATE: 6/4/21
DPW FILE NO. 10-02-S-54
REV. NO. 0

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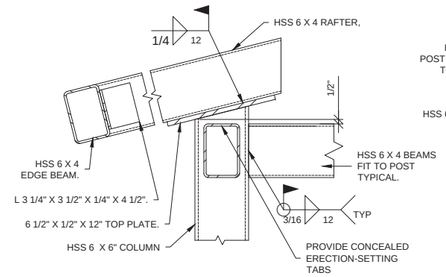
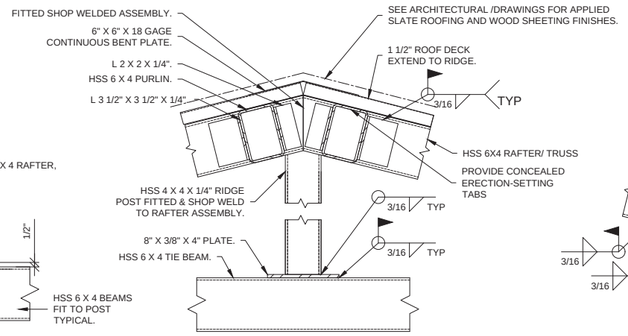
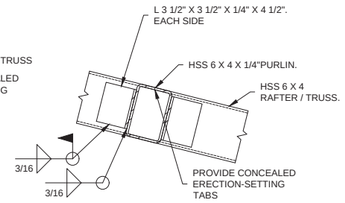


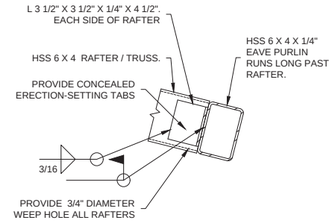
3 COLUMN TOP DETAIL
1 1/2" = 1'-0"



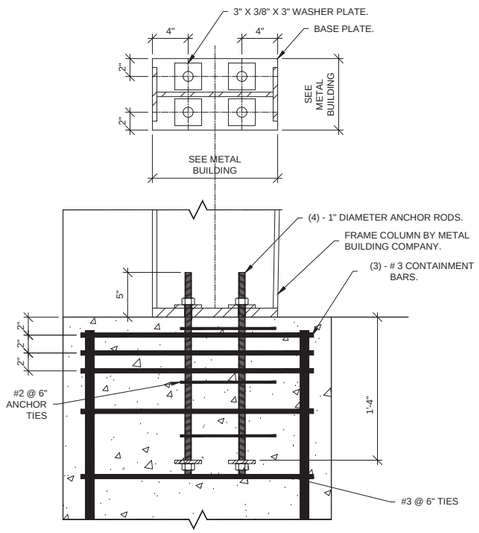
4 SECTION RIDGE POST
1 1/2" = 1'-0"



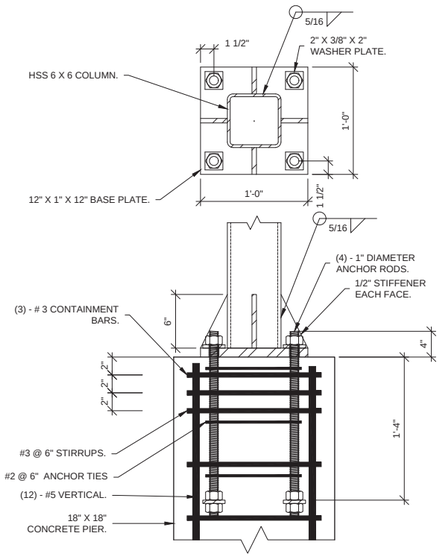
5 PURLIN TO RAFTER DETAIL
1 1/2" = 1'-0"



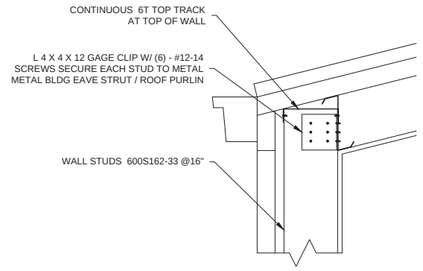
6 EAVE PURLIN TO RAFTER DETAIL
1 1/2" = 1'-0"



1 DETAIL FRAME COLUMN ANCHORS
1 1/2" = 1'-0"



2 DETAIL COL. WASH STATION
1 1/2" = 1'-0"



7 METAL BLDG. EAVE
1 1/2" = 1'-0"

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STATE OF NEW YORK
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NO. 060391

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER S-501
SHEET NO. 22 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUB HOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
STRUCTURAL SECTIONS & DETAILS

SCALE: 1 1/2"=1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-S-55
REV. NO. 0

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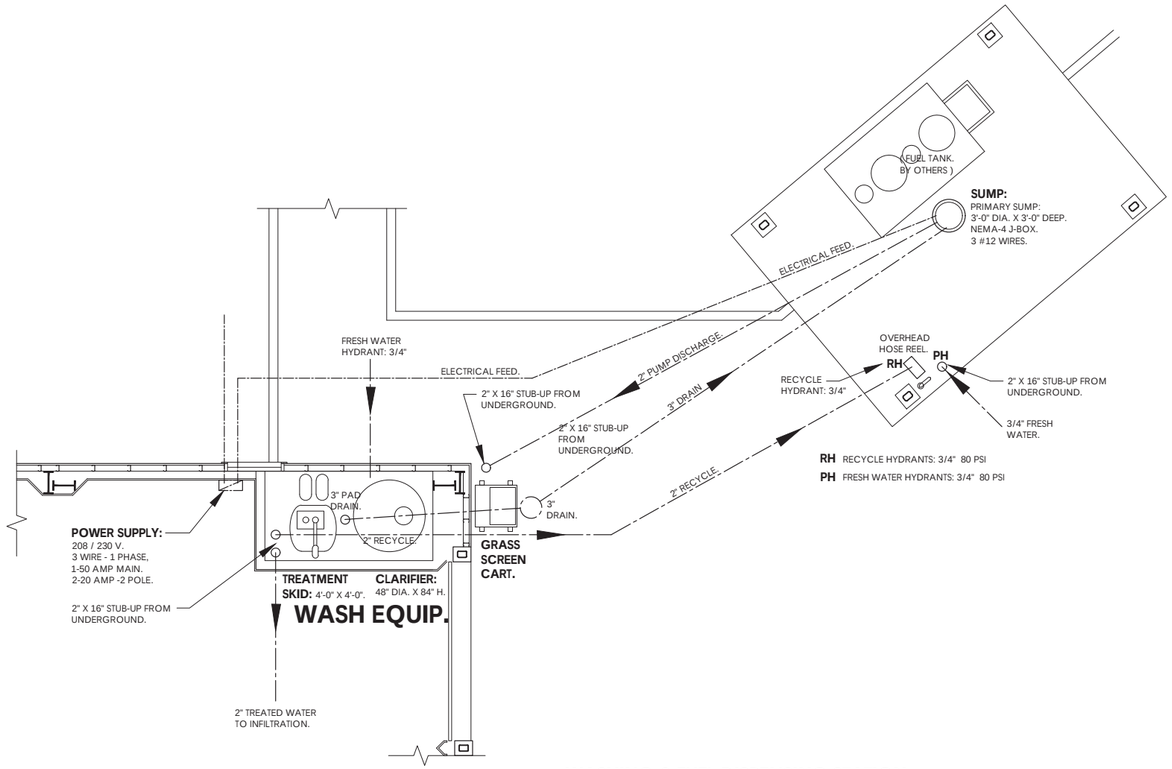

WASHING & FUEL DISPENSING STATION

1 GOLF CART STORAGE SHED: WASH / RECYCLE EQUIPMENT LAYOUT.

1/4" = 1'-0"

GENERAL NOTES:

1. SUMPS & RELATED EQUIPMENT ARE PROVIDED BY WASH / RECYCLE SYSTEM MANUFACTURER. SUMPS SHALL BE INSTALLED INTO CONC. SLABS & PADS BY GENERAL CONTRACTOR.
2. WATER SERVICE, UNDERGROUND PIPING AND SURFACE 'STUB-UPS' SHALL BE FURNISHED & INSTALLED BY PLUMBING CONTRACTOR.
3. WATER TREATMENT PLUMBING EQUIPMENT (PROVIDED BY WASH / RECYCLE SYSTEM MANUFACTURER) SHALL BE CONNECTED TO UNDERGROUND PIPING & STUB-UPS BY PLUMBING CONTRACTOR.
4. POWER SERVICE & UNDERGROUND ELECTRICAL CONDUIT & WIRING SHALL BE FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR.
5. WATER TREATMENT ELECTRICAL EQUIPMENT (PROVIDED BY WASH / RECYCLE SYSTEM MANUFACTURER) SHALL BE CONNECTED TO UNDERGROUND CONDUIT & WIRING BY ELECTRICAL CONTRACTOR.
6. ENTIRE WASH / RECYCLE / CHEMICAL MIX SYSTEM INCLUDING ALL EQUIPMENT PROVIDED BY WASH / RECYCLE SYSTEM MANUFACTURER, WATER SERVICE, PIPING, VALVES, CONNECTIONS, ELECTRICAL SERVICE, PANELS, DISCONNECTS, CONDUIT, WIRING & CONNECTIONS SHALL BE COORDINATED BY GENERAL CONTRACTOR IN THE FIELD.
7. REVIEW ALL EQUIPMENT, COMPONENTS, LOCATIONS & CONNECTION ROUTES WITH WASH / RECYCLE SYSTEM MANUFACTURER, ARCH. & OWNER IN FIELD PRIOR TO ANY WORK.

LAYOUT NOTE:

1. LAYOUT SHOWN IS A SCHEMATIC DIAGRAM OF SYSTEM COMPONENTS PERTAINING TO A SPECIFIC MANUFACTURER DESCRIBED IN THE SPECIFICATIONS.
2. ALTERNATE SYSTEM MANUFACTURERS MAY HAVE SLIGHTLY DIFFERENT EQUIPMENT, COMPONENTS & CONNECTION LAYOUTS.
3. SYSTEM COST PROPOSALS SHALL BE BASED UPON COMPARABLE APPROVED SYSTEMS OFFERING EQUAL PERFORMANCE & OPERATION TO THE LAYOUT SHOWN & SPECIFIED.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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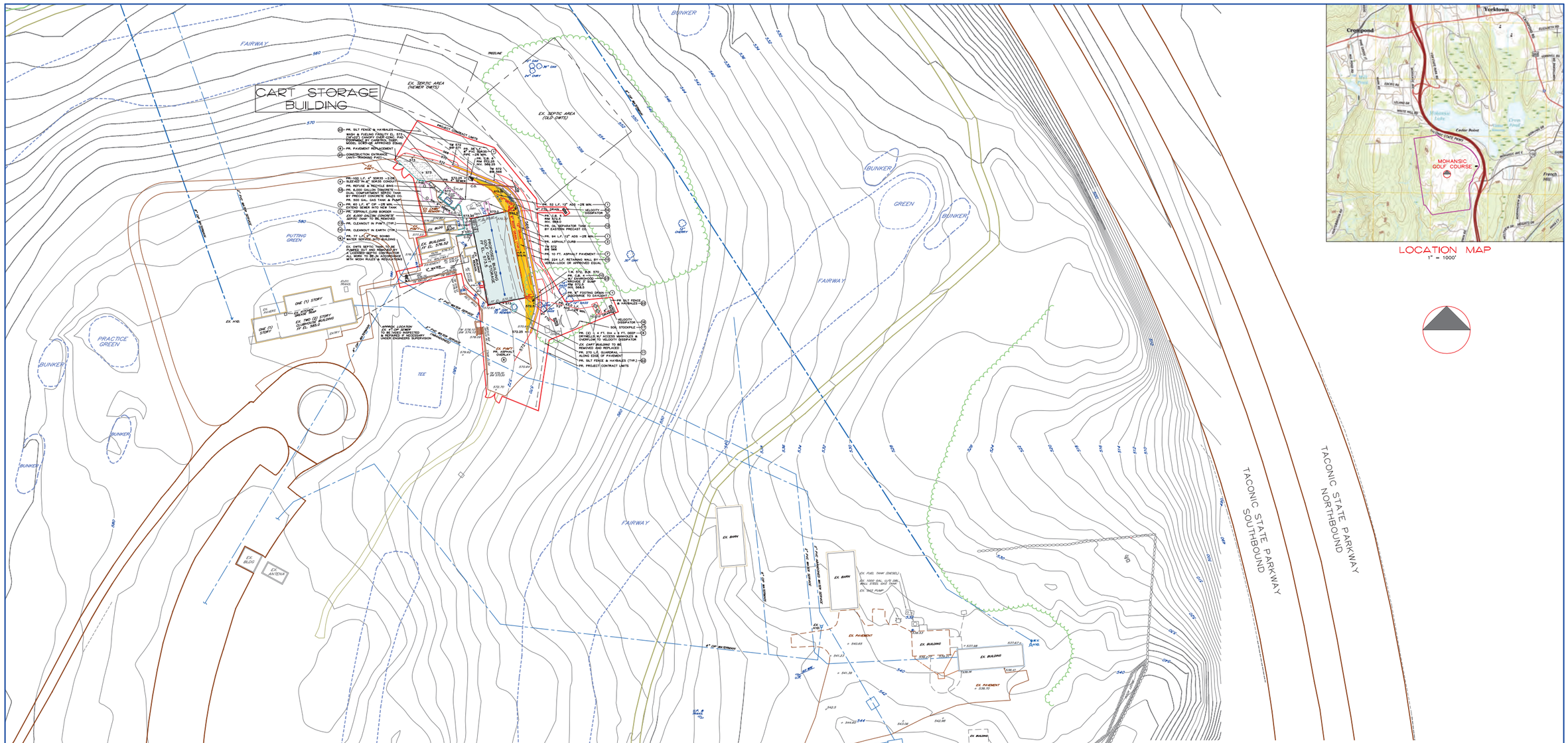
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER EQ-101
SHEET NO. 23 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
WASHING, MIXING & RECYCLE EQUIPMENT

SCALE: 1/4" = 1'-0"
DATE: 6 / 4 / 21
DPW FILE NO. 10-02-EQ-56
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN W. LEVY RA



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ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ENGINEER WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.

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RALPH G. MASTROMONACO, P.E., P.C.
Consulting Engineers
13 Dove Court, Croton-on-Hudson, New York 10520
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STATE OF NEW YORK — RALPH GEORGE MASTROMONACO — NO. 054405 — LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

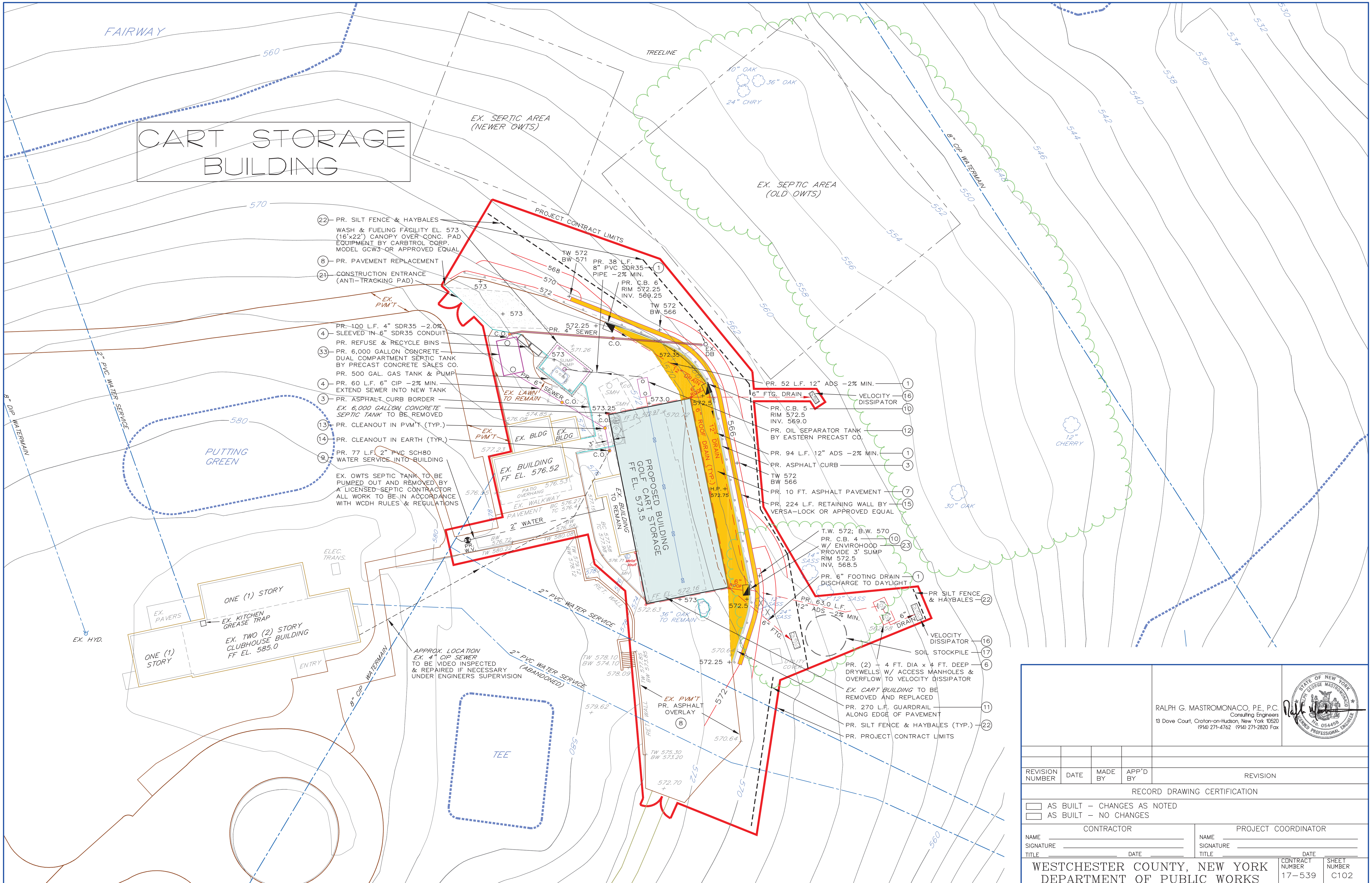
CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER C101
SHEET NO. 24 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
OVERALL SITE PLAN

SCALE: 1" = 50'
DATE: 6/4/21
DPW FILE NO. 10-02-C-57-0
REV. NO. 0


CART STORAGE BUILDING
FAIRWAY
TREELINE
EX. SEPTIC AREA (NEWER OWTS)
EX. SEPTIC AREA (OLD OWTS)
PROJECT CONTRACT LIMITS
8" CIP WATERMAIN
8" DIP WATERMAIN
2" PVC WATER SERVICE
PUTTING GREEN
TEE
EX. HYD.
(22) PR. SILT FENCE & HAYBALES
WASH & FUELING FACILITY EL. 573 (16'x22') CANOPY OVER CONC. PAD EQUIPMENT BY CARBTROL CORP. MODEL GCW3 OR APPROVED EQUAL
(8) PR. PAVEMENT REPLACEMENT
(21) CONSTRUCTION ENTRANCE (ANTI-TRACKING PAD)
(4) PR. 100 L.F. 4" SDR35 -2.0% SLEEVED IN 6" SDR35 CONDUIT
PR. REFUSE & RECYCLE BINS
(33) PR. 6,000 GALLON CONCRETE DUAL COMPARTMENT SEPTIC TANK BY PRECAST CONCRETE SALES CO.
PR. 500 GAL. GAS TANK & PUMP
(4) PR. 60 L.F. 6" CIP -2% MIN. EXTEND SEWER INTO NEW TANK
(3) PR. ASPHALT CURB BORDER
EX. 6,000 GALLON CONCRETE SEPTIC TANK TO BE REMOVED
(13) PR. CLEANOUT IN PVM'T (TYP.)
(14) PR. CLEANOUT IN EARTH (TYP.)
(9) PR. 77 L.F. 2" PVC SCH80 WATER SERVICE INTO BUILDING
EX. OWTS SEPTIC TANK TO BE PUMPED OUT AND REMOVED BY A LICENSED SEPTIC CONTRACTOR ALL WORK TO BE IN ACCORDANCE WITH WCDH RULES & REGULATIONS
TW 572 BW 571
PR. 38 L.F. 8" PVC SDR35 PIPE -2% MIN. (1)
PR. C.B. 6 RIM 572.25 INV. 569.25
TW 572 BW 566
PR. 4" SEWER
EX. LAWN TO REMAIN
EX. PVM'T
EX. BLDG
EX. BUILDING FF EL. 576.52
EX. WALKWAY
EX. BUILDING TO REMAIN
PROPOSED BUILDING GOLF CART STORAGE FF EL. 573.5
12" DRAIN
6" ROOF DRAIN (TYP.)
H.P. 572.75
PR. 52 L.F. 12" ADS -2% MIN. (1)
6" FTG. DRAIN
VELOCITY DISSIPATOR (16)
PR. C.B. 5 RIM 572.5 INV. 569.0 (10)
PR. OIL SEPARATOR TANK BY EASTERN PRECAST CO. (12)
PR. 94 L.F. 12" ADS -2% MIN. (1)
PR. ASPHALT CURB (3)
TW 572 BW 566
PR. 10 FT. ASPHALT PAVEMENT (7)
PR. 224 L.F. RETAINING WALL BY VERSA-LOCK OR APPROVED EQUAL (15)
T.W. 572; B.W. 570
PR. C.B. 4 W/ ENVIROHOOD PROVIDE 3' SUMP RIM 572.5 INV. 568.5 (10) (23)
PR. 6" FOOTING DRAIN DISCHARGE TO DAYLIGHT (1)
PR SILT FENCE & HAYBALES (22)
PR. 63.0 L.F. 12" ADS -2% MIN.
VELOCITY DISSIPATOR (16)
SOIL STOCKPILE (17)
PR. (2) - 4 FT. DIA x 4 FT. DEEP DRYWELLS W/ ACCESS MANHOLES & OVERFLOW TO VELOCITY DISSIPATOR (6)
EX. CART BUILDING TO BE REMOVED AND REPLACED
PR. 270 L.F. GUARDRAIL ALONG EDGE OF PAVEMENT (11)
PR. SILT FENCE & HAYBALES (TYP.) (22)
PR. PROJECT CONTRACT LIMITS
36" OAK TO REMAIN
30" OAK
12" CHERRY
36" OAK
24" CHRY
ONE (1) STORY
EX. KITCHEN GREASE TRAP
EX. TWO (2) STORY CLUBHOUSE BUILDING FF EL. 585.0
EX. PAVERS
ENTRY
ELEC. TRANS.
APPROX. LOCATION EX. 4" CIP SEWER TO BE VIDEO INSPECTED & REPAIRED IF NECESSARY UNDER ENGINEERS SUPERVISION
2" PVC WATER SERVICE (ABANDONED)
EX. PVM'T PR. ASPHALT OVERLAY (8)
RET. WALL

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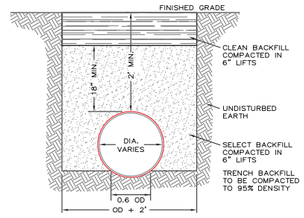
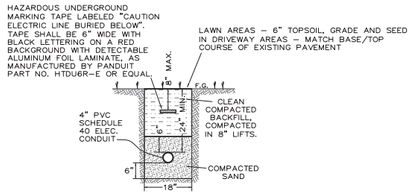
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
GOLF CART STORAGE FACILITY

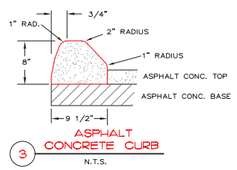
CONTRACT NUMBER 17-539
SHEET NUMBER C102
SHEET NO. 25 OF 59
SCALE: 1" = 20'
DATE: 6/4/21
DPW FILE NO. 10-02-C-58-0
REV. NO. 0



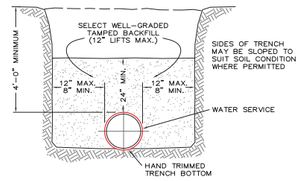
1 STORM DRAIN PIPE BEDDING
N.T.S.



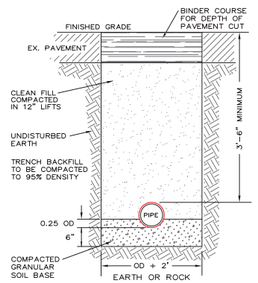
2 ELECTRICAL SERVICE TRENCH
N.T.S.



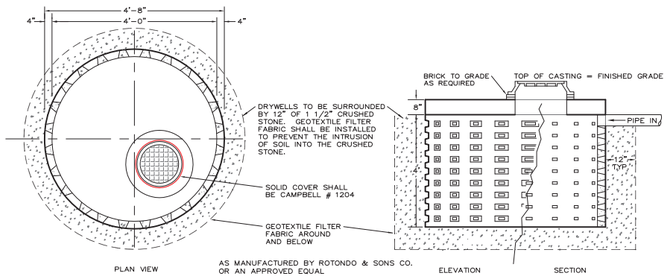
3 ASPHALT CONCRETE CURB
N.T.S.



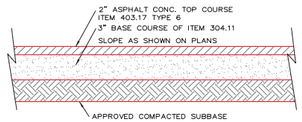
4 WATER TRENCH BEDDING
N.T.S.



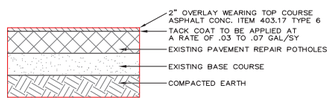
5 SEWER TRENCH & PIPE BEDDING
N.T.S.



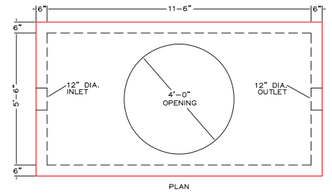
6 PRECAST CONCRETE DRYWELL
N.T.S.



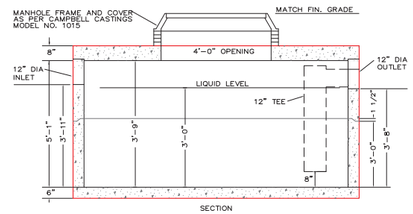
7 PAVEMENT SECTION
N.T.S.



8 PAVEMENT OVERLAY
N.T.S.



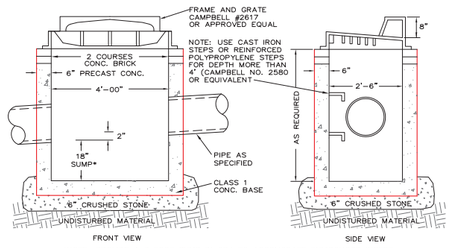
PLAN



SECTION

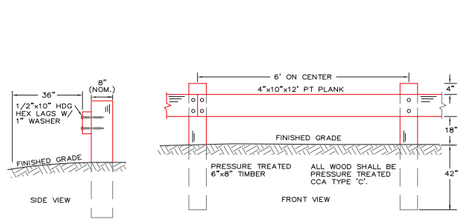
AS MANUFACTURED BY EASTERN PRECAST CO. OR AN APPROVED EQUAL

12 1000 GALLON (H-20) LOADING CONCRETE OIL SEPARATION TANK
N.T.S.

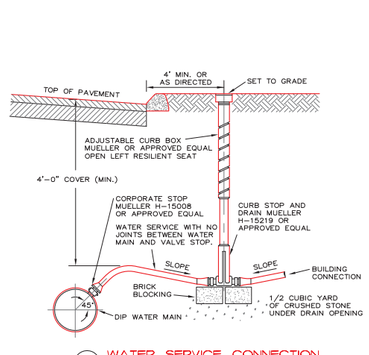


*NOTE: PROVIDE A 3 FOOT SUMP IN CB4 TO ACCOMODATE ENVIROHOOD INSERT.

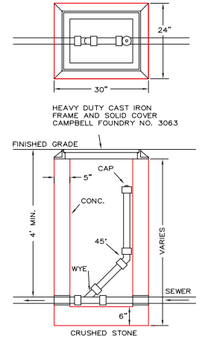
10 CATCH BASIN DETAIL
N.T.S.



11 WOOD GUIDE RAIL
N.T.S.

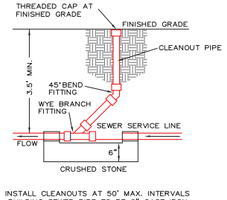


9 WATER SERVICE CONNECTION
N.T.S.



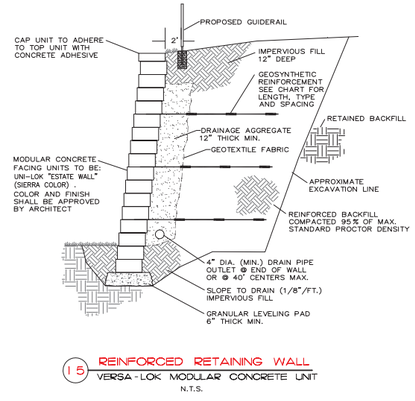
BUILDING SEWER PIPE TO BE 6" CAST IRON. TANK EFFLUENT PIPE TO BE 4" PVC SDR35

14 SEWER CLEANOUT IN PAVEMENT
N.T.S



INSTALL CLEANOUTS AT 50' MAX. INTERVALS
BUILDING SEWER PIPE TO BE 6" CAST IRON.
TANK EFFLUENT PIPE TO BE 4" PVC SDR35

13 SEWER CLEANOUT IN EARTH
N.T.S.



15 REINFORCED RETAINING WALL
VERSA-LOK MODULAR CONCRETE UNIT
N.T.S.

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STATE OF NEW YORK RALPH GEORGE MASTROMONACO No. 054498 LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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CONTRACTOR	PROJECT COORDINATOR
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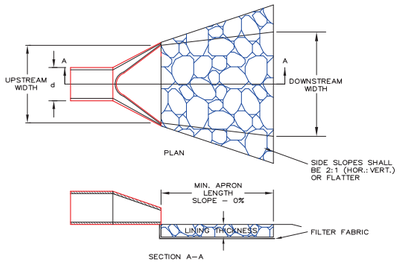
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539 | SHEET NUMBER C103
SHEET NO. 26 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CONSTRUCTION DETAILS

SCALE: AS SHOWN
DATE: 6/4/21
DPW FILE NO. 10-02-C-59-0 | REV. NO. 0



NOTES
1. APRON LINING MAY BE RIPRAP, GROUTED RIPRAP OR CONCRETE

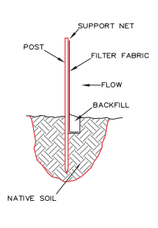
2. LINING THICKNESS SHALL BE 4" FOR CONCRETE, 1.5 TIMES THE MAXIMUM STONE DIAMETER FOR d_{50} = 15" OR LESS, OR 1.2 TIMES

3. FILTER FABRIC SHALL MEET THESE REQUIREMENTS:
THICKNESS – 20 – 60 mils, GRAB STRENGTH – 90 – 120 lbs., AND SHALL CONFORM TO ASTM D–1777 AND ASTM D–1682.

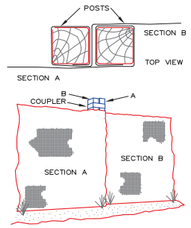
PIPE SIZE (INCH)	RIPRAP SIZE (d_{50}) (FEET)	MIN. APRON LENGTH (FEET)	UPSTREAM WIDTH (FEET)	DOWNSTREAM WIDTH (FEET)	RIPRAP SIZE (d_{min}) (FEET)	RIPRAP SIZE (d_{max}) (FEET)	MINIMUM LINING THICKNESS (FEET)
6	0.25	3	1.5	1.5	0.125	0.375	0.562
8	0.25	4	2	2	0.125	0.375	0.562
12	0.75	6	3	3	0.375	1.125	1.68
15	1.0	7.5	3.75	3.75	0.5	1.5	2.25
18	1.25	9	4.5	4.5	0.625	1.875	2.81
24	1.6	12	6	6	0.8	2.4	2.88
36	2.4	18	9	18	1.2	3.6	4.32

TO BE USED BELOW ROAD CULVERTS, WHERE THE CHANNEL GRADE OF THE RECEIVING EARTHEN OR VEGETATED WATERCOURSES IS STEEP, AND/OR CHANNELS ARE EMBEDDED IN HIGHLY ERODIBLE SOILS; BELOW PIPES > 10 INCHES IN DIAMETER THAT DISCHARGE WATER FROM EARTHEN DAMS; BELOW LINED CHANNELS THAT DISCHARGE WATER ONTO AN EARTHEN OR VEGETATED CHANNEL; BELOW VARIOUS GRADE STABILIZATION STRUCTURES, SUCH AS A CONCRETE TOEWALL, THAT DISCHARGE INTO AN EARTHEN OR VEGETATED CHANNEL; IN EXIT CHANNELS IN STANDING OR FLOWING WATER WHERE CHANNEL SCOUR WILL CAUSE SIDE SLOPE EROSION.

16 VELOCITY DISSIPATOR
N.T.S.



TOE–IN METHOD



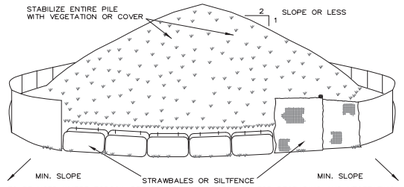
JOINING SECTIONS OF FENCING

TO BE INSTALLED IMMEDIATELY BELOW DISTURBED AREAS THAT ARE SUSCEPTIBLE TO SHEET OR RILL EROSION; AND WHERE SENSITIVE WATER BODIES, SUCH AS DRINKING WATER SUPPLIES OR WETLANDS, ARE LOCATED DOWNSLOPE OF AN AREA TO BE DISTURBED.

INSTALLATION NOTES

1. EXCAVATE A 4 INCH X 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
4. LAY THE TOE–IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
5. JOIN SECTIONS AS SHOWN ABOVE.

19 SILT FENCE
N.T.S.



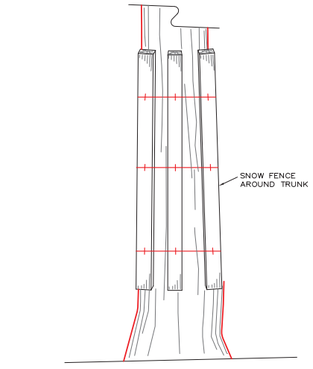
TO BE USED WHERE TOPSOIL PRESERVATION IS NECESSARY FOR REGRADING AND VEGETATING DISTURBED AREAS. TOPSOIL IS APPLIED TO SUBSOILS THAT ARE DROUGHTY (HAVING LOW AVAILABLE MOISTURE FOR PLANTS), STONY, SALTY, HAVE LOW PERMEABILITY, OR ARE EXTREMELY ACID. IT IS ALSO USED TO BACKFILL AROUND SHRUB AND TREE TRANSPLANTS. PRESERVATION OF EXISTING TOPSOIL IS BENEFICIAL FOR ALL TYPES OF LAWN OR ORNAMENTAL PLANTINGS.

TEMPORARY STOCKPILE STABILIZATION MEASURES INCLUDE VEGETATIVE COVER, MULCH, NON–VEGETATIVE COVER, AND PERIPHERAL SEDIMENT TRAPPING BARRIERS. THE STABILIZATION MEASURE(S) SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, AND REQUIRED DURATION OF USE.

INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.

17 TEMPORARY SOIL STOCKPILE
N.T.S.



TO BE USED NEAR CONSTRUCTION ACTIVITIES WHERE DRIPLINE PROTECTION WOULD IMPEDE ACTIVITIES.

18 TREE PROTECTION TRUNK ARMOR
N.T.S.

GENERAL EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.

2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND PROCEDURES SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS OF THE "WESTCHESTER COUNTY BEST MANAGEMENT MANUAL FOR CONSTRUCTION RELATED ACTIVITIES."

3. PRIOR TO ANY EXCAVATION, SILT FENCE SHALL BE INSTALLED AT THE APPROPRIATE LOCATIONS NOTED ON EROSION CONTROL PLAN. SILT FENCING SHALL BE INSTALLED AS DIRECTED BY THE OWNER'S REPRESENTATIVE IN THE FIELD AND INSTALLED AS PER THE INSTRUCTIONS OF THE MANUFACTURER. ADDITIONAL SILT FENCE MAY BE PLACED BY THE OWNER'S REPRESENTATIVE IN THE FIELD. SILT FENCING SHALL BE MAINTAINED IN OPERABLE CONDITION AND SHALL NOT BE REMOVED UNTIL DISTURBED AREAS ARE THOROUGHLY STABILIZED.

4. IMMEDIATELY TOPSOIL & SEED WITH A MIXTURE OF PERENNIAL RYE GRASS, ANNUAL RYE GRASS AND WINTER RYE AND MULCH WITH 2" OF HAY ALL FINISHED SLOPES AND ALL ROUGH CUT SLOPES TO REMAIN OPEN FOR EXTENDED PERIODS.

5. ALL SLOPES CONSTRUCTED WITH FILL MATERIAL AND ALL SLOPES WITH GRADE 3:1 OR STEEPER SHALL BE TOPSOILED, SEEDED, MULCHED AND STABILIZED WITH STAKED TOBACCO NETTING, UNLESS OTHERWISE NOTED.

6. ALL AREAS OF DISTURBED SOIL SHALL BE STABILIZED. IN ADDITION TO ALL SPECIFIED AND LOCATED EROSION CONTROL DEVICES, THE CONTRACTOR SHALL TAKE ALL STEPS PRUDENT AND NECESSARY TO STABILIZE THE SITE AT ALL TIMES.

7. DO NOT STOCKPILE MATERIALS ON STEEP SLOPES, IN DRAINAGE SWALES OR IN WETLAND AREAS. SURROUND ALL STOCKPILE AREAS WITH STAKED HAYBALES OR SILT SCREEN MATERIALS.

8. ALL CATCHBASINS ARE TO BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.

9. HAYBALES SHALL BE USED AT THE TOPS AND TOE OF SLOPES, AS NECESSARY, TO COLLECT SILT AND DIVERT FLOWS. SILT SCREENS WILL BE USED IN AREAS OF UNCONCENTRATED FLOWS TO COLLECT SILT. HAYBALES AND SILT SCREEN ON PLANS MAY BE AUGMENTED IN THE FIELD.

10. UTILITY LINE EXCAVATED MATERIAL SHALL BE TEMPORARILY STOCKPILED ON HIGH SIDE OF EXCAVATION SO RUNOFF IS DIRECTED AWAY FROM TRENCH. AFTER BACK–FILLING, AREA IS TO BE TOPSOILED, SEEDED AND MULCHED.

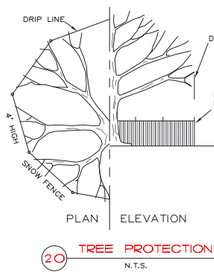
11. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

12. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE–HALF THE HEIGHT OF THE BARRIER. SEDIMENT SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT RESULT IN ADDITIONAL EROSION OR POLLUTION.

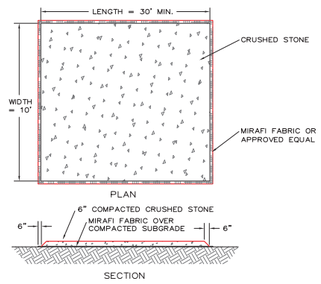
13. INSTALL GRAVEL BED AT CONSTRUCTION ENTRANCE TO SERVE AS ANTI–TRACKING PAD. GRAVEL BED TO BE 2" DIAMETER CRUSHED STONE 6" DEEP.

14. A WATERING TRUCK WILL BE USED IN DRY SEASON TO WET DOWN DUST AREAS.

15. BLASTING AREAS – ROCK RIPPING WILL BE USED WHEREVER POSSIBLE. BLASTING WILL OCCUR IN ACCORDANCE WITH ALL REGULATIONS

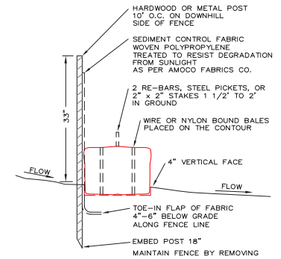


20 TREE PROTECTION
N.T.S.



LOCATE PAD ADJACENT TO POINT WHERE CONSTRUCTION EQUIPMENT AND TRUCKS ARE EXITING CONSTRUCTION AREAS OF SITE

21 ANTI–TRACK PAD
N.T.S.



22 SILT FENCE & HAYBALE DETAIL
N.T.S.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL LOCATE AND VERIFY IN THE FIELD ALL UTILITIES – GAS, WATER, ELECTRICAL BEFORE THE START OF CONSTRUCTION. CONTRACTOR SHALL CALL CODE 753 (FORMERLY CODE 53).

2. THE INSTALLATION OF WATER AND SEWER SHALL BE UNDER THE DIRECTION OF A N.Y. STATE LICENSED PROFESSIONAL ENGINEER.

3. EROSION CONTROL MEASURES, INCLUDING STAKED HAYBALES, SHALL BE REQUIRED AS DIRECTED BY THE COUNTY, ACCORDING TO STANDARDS DESCRIBED IN THE WESTCHESTER COUNTY BEST MANAGEMENT PRACTICES MANUAL FOR CONSTRUCTION ACTIVITIES.

4. AS BUILT PLANS SHALL BE REQUIRED AND CERTIFIED BY A N.Y. STATE LICENSED PROFESSIONAL ENGINEER.

5. ALL PROPERTY DISTURBED IN THE R.O.W. OR ON PRIVATE LANDS, SHALL BE RESTORED TO NEW CONDITIONS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL APPLICATIONS AND PERMITS REQUIRED FOR CONSTRUCTION.

7. THE ROAD AND UTILITIES SHALL BE STAKED IN THE FIELD BY A N.Y. STATE LICENSED SURVEYOR OR ENGINEER.

8. UNDERGROUND GAS AND ELECTRIC SHALL BE AS REQUIRED BY THE COUNTY OF WESTCHESTER.

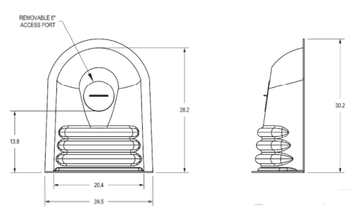
9. SITE TOPOGRAPHY IS BY OTHERS. NO CERTIFICATION IS GIVEN.

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FINISHED GRADE ABOVE	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'C' LAYER.	GRANULAR WELL–GRADED SOIL/ AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER	AASHTO M145 A–1, A–2–4, A–3 OR AASHTO M43 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE

Temporary-During Construction	Weekly	Monthly	Bi-Annually	Annually	Prior To Significant Rainfall	After Significant Rainfall
Haybales		Inspect			Inspect	Inspect/Clean
Silt Fence		Inspect			Inspect	Inspect/Clean
Sediment Trap		Inspect	Clean			Inspect/Clean
Anti-Tracking Pad (Stabilized Construction Entrance)	Inspect				Inspect	Inspect
Inlet Protection	Inspect					Inspect
Catch Basins/Inlets	Inspect				Inspect	Inspect/Clean
Permanent – After Construction						
Catch Basins/Inlets			Clean			Inspect
Control Structures			Inspect/Clean			Inspect

Permanent Stormwater Features	Weekly	Monthly	Bi-Annually	Annually	Prior To Significant Rainfall	After Significant Rainfall
Haybales		Inspect			Inspect	Inspect/Clean
Silt Fence		Inspect			Inspect	Inspect/Clean
Chambers			Inspect			
Filters		Inspect				Inspect

STORMWATER DEVICE MAINTENANCE SCHEDULE



ENVIROHOOD PART NUMBER 7004–110–108 AS MANUFACTURED BY NYLOPLAST CO., OR AN APPROVED EQUAL. INSTALL IN CATCHBASIN CB4 AT 12 INCH OUTLET PIPE AND PROVIDE 3 FOOT SUMP.

23 CATCH BASIN OIL & DEBRIS SEPARATOR INSERT
N.T.S.

RALPH G. MASTROMONACO, P.E., P.C.
Consulting Engineers
13 Dove Court, Croton-on-Hudson, New York 10520
(914) 271-4762 (914) 271-2820 Fax

STATE OF NEW YORK RALPH GEORGE MASTROMONACO NO. 054406 REGISTERED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17–539
SHEET NUMBER C104
SHEET NO. 27 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CONSTRUCTION DETAILS

SCALE: AS SHOWN
DATE: 6/4/21
DPW FILE NO. 10–02–C–60–0
REV. NO. 0

LOCATION MAP
1" = 1000'

NOTES

1. OWNER: WESTCHESTER COUNTY. 148 MARTINE AVENUE WHITE PLAINS NY 10601
SITE LOCATION: 1500 BALDWIN ROAD, TOWN OF YORKTOWN
TAX MAP DATA: SECTION 36.19 : BLOCK 1 : LOT 1

2. THE INSTALLATION OF THE OWTS SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS FOR THE DESIGN AND CONSTRUCTION OF RESIDENTIAL SUBSURFACE SEWAGE TREATMENT SYSTEMS IN WESTCHESTER COUNTY, NY. IF FOR ANY REASON THE APPROVED CONSTRUCTION PLAN CAN NOT BE FOLLOWED, A REVISED PLAN MUST BE PREPARED, SUBMITTED AND APPROVED BY THE WCDH.

3. ELEVATIONS OF THE ONSITE WASTEWATER TREATMENT SYSTEM HAVE BEEN ESTABLISHED BASED ON THE SEWER INVERT AT THE BUILDING LINE AND GROUND ELEVATIONS WITHIN THE ABSORPTION AREA. SHOULD THE SEWER INVERT BE CHANGED, ADJUSTMENTS OF ELEVATIONS TO THE REMAINING PORTIONS OF THE SYSTEM MAY BE REQUIRED. ALL CHANGES SHALL BE ENDORSED BY THE ENGINEER PRIOR TO CONSTRUCTION.

4. THE PROPOSED OWTA SHALL BE ISOLATED AND PROTECTED AGAINST DAMAGE BY EROSION, STORAGE OF EARTH OR MATERIALS, DISPLACEMENT, COMPACTION OR OTHER ADVERSE PHYSICAL CHANGE IN THE CHARACTERISTICS OF THE SOIL OR IN THE DRAINAGE OF THE AREA.

5. THE CAPACITY OF THE ONSITE WASTEWATER TREATMENT SYSTEM SEPTIC TANK IS BASED ON A REVIEW OF RECENT WATER CONSUMPTION RECORDS OBTAINED. ANNUAL USAGE WAS 482,000 GALLONS EQUAL TO 1,320 GALLONS PER DAY. MAXIMUM AVERAGE FLOW DURING ANY QUARTER WAS 2,732 GALLONS PER DAY. AN EXISTING 6,000 GALLON CONCRETE SEPTIC TANK SHALL BE REPLACED WITH A PROPOSED 6,000 GALLON CONCRETE SEPTIC TANK NEAR THE GOLF CART BUILDING.

6. THE ONSITE WASTEWATER TREATMENT SYSTEM SHALL INCLUDE THE FOLLOWING IMPROVEMENTS.

6000	GALLON CONCRETE SEPTIC TANK
60	L.F. OF 6 INCH CAST IRON SEWER
100	L.F. OF 4 INCH PVC SDR 35 EFFLUENT PIPE

7. THERE SHALL BE NO TREES OR STONEWALLS WITHIN 10 FEET OF THE OWTS.

8. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS UPON COMPLETION OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL EMPLOY EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WESTCHESTER COUNTY'S BEST MANAGEMENT PRACTICES MANUAL FOR CONSTRUCTION RELATED ACTIVITIES IN AN EFFORT TO REDUCE EROSION AND PREVENT SEDIMENTATION OF DOWNSTREAM WATERCOURSES.

9. THE PROFESSIONAL ENGINEER IS REQUIRED TO NOTIFY WESTCHESTER COUNTY HEALTH DEPARTMENT FOR INSPECTION OF THE WORK UPON COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL NOT BACKFILL THE SYSTEM UNTIL IT HAS BEEN INSPECTED AND APPROVED BY ENGINEER AND WESTCHESTER COUNTY HEALTH DEPARTMENT REPRESENTATIVE.

10. ANY DEPARTURE FROM APPROVED PLANS DURING CONSTRUCTION MUST FIRST BE APPROVED BY THE DESIGN ENGINEER.

11. OWTS SHALL BE INSPECTED BY THE DESIGN ENGINEER AND THE WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH PRIOR TO BACKFILL. ANY PORTION OF THE SEPTIC SYSTEM COVERED WITHOUT PROPER INSPECTION SHALL BE UNCOVERED AS MAY BE REQUIRED.

12. SURFACE, ROOF, FOUNDATION, CELLAR, COOLING WATER OR AREA DRAINAGE MUST BE SO DISPOSED OF AS TO 1) PERMIT FUTURE RELOCATION OF THE ABSORPTION FIELDS IF NECESSARY; 2) DISCHARGE BELOW AND NOT INTO THE ONSITE WASTEWATER TREATMENT AREA; 3) ALLOW FOR FINAL GRADING, SEEDING AND PLANTING OF THE BUILDING SITE; 4) PROVIDE LAND SLOPES DRAINING AWAY FROM BUILDING WALLS AND FOOTINGS, BUT NOT ACROSS OR INTO ONSITE WASTEWATER TREATMENT AREAS.

13. CONNECTION FROM A POOL, WHIRLPOOL, OR THEIR FILTER SYSTEMS TO THE WASTEWATER TRATMENT SYSTEM IS PROHIBITED.

14. OUTLETS NOT USED IN DISTRIBUTION BOXES SHALL BE PLUGGED.

15. THAT NO BACKFILLING OF A COMPLETED OWTS CAN OCCUR UNTIL AFTER IT HAS BEEN INSPECTED AND ACCEPTED BY WESTCHESTER COUNTY HEALTH DEPARTMENT. ANY PORTION OF THE SEPTIC SYSTEM COVERED WITHOUT PROPER INSPECTION SHALL BE UNCOVERED AS MAY BE REQUIRED.
BACKFILL SHALL BE CLEAN EARTH ONLY AND SHALL NOT BE TAMPED, ROLLED OR PUDDLED OTHER THAN WITH THE USE OF A HAND ROLLER FOR LAWN MAKING. AT LEAST 4" OF TOPSOIL SHALL EXTEND OVER THE ENTIRE WASTEWATER TREATMENT AREA.

16. IF FOR ANY REASON THE APPROVED CONSTRUCTION PLAN CAN NOT BE FOLLOWED, A REVISED PLAN MUST BE PREPARED, SUBMITTED AND APPROVED BY WCDH.

17. THE DESIGN PROFESSIONAL SHALL SUPERVISE THE CONSTRUCTION OF THE OWTS AND MAKE AN OPEN WORKS INSPECTION OF THE COMPLETED SYSTEM.

18. THE PROPOSED OWTS SHALL BE INSTALLED BY A WESTCHESTER COUNTY LICENSED SEPTIC CONTRACTOR.

19. ALL PIPES CONNECTING TO TANKS AND BOXES SHALL BE CUT FLUSH WITH THE INSIDE WALLS OF THE STRUCTURE.

20. PRIOR TO ANY EXCAVATION ALL UNDERGROUND UTILITIES MUST BE LOCATED. CALL 1-800-962-7962.

21. WITHIN 24 HOURS OF THE COMPLETION OF THE OWTS, THE DESIGN PROFESSIONAL MUST NOTIFY THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH (WCDH) THAT THE OWTS IS READY FOR INSPECTION BY SUBMITTING A COMPLETED REQUEST FOR AN OPEN WORKS INSPECTION ON THE APPROPRIATE FORM TO WCDH.

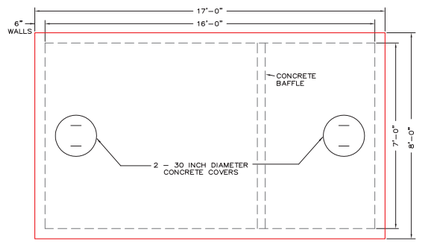
22. THE WESTCHESTER COUNTY HEALTH DEPARTMENT APPROVAL EXPIRES ONE YEAR FROM THE DATE ON THE APPROVAL STAMP AND IS REQUIRED TO BE RENEWED ON OR BEFORE EXPIRATION DATE. THE APPROVAL IS REVOCABLE FOR CAUSE OR MAY BE AMENDED OR MODIFIED WHEN CONSIDERED NECESSARY BY THE DEPARTMENT.

23. CONSTRUCTION OF THE OWTS IS TO BE IN ACCORDANCE WITH THE 60 NYCRR PART 75 AND APPENDIX 75-1.

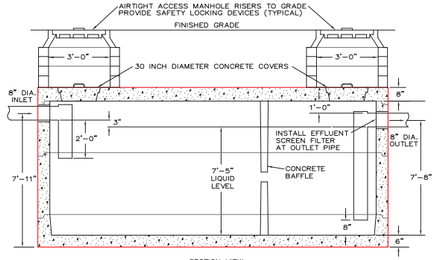
24. THE OWTS MUST BE SURVEY LOCATED PRIOR TO ITS INSTALLATION.

25. NYCDEP MUST BE CONTACTED TWO DAYS PRIOR TO START OF CONSTRUCTION OF OWTS SO THAT NYCDEP MAY INSPECT AND MONITOR THE INSTALLATION.

PROPERTY LIES WITHIN THE CROTON WATERSHED
PROJECT START DATE: APRIL 1, 2021
PROJECT COMPLETION DATE: APRIL 1, 2022
TOTAL AMOUNT OF LAND DISTURBANCE IS 1,800 s.f.
CERTAIN SURVEY & TOPOGRAPHICAL INFORMATION HAS BEEN PROVIDED BY WARD CARPENTER LAND SURVEYING



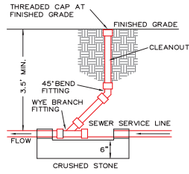
SECTION VIEW



SECTION VIEW

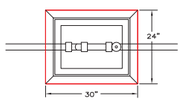
TANK TO BE SET ON A MINIMUM OF THREE (3) INCHES SAND OR PEA GRAVEL BEDDING
TANK TO BE INSTALLED WITH TWENTY FOUR (24) INCHES MAXIMUM FILL COVER
ALL JOINTS SHALL BE SEALED SUCH THAT THE TANK IS WATERTIGHT
PROVIDE A MINIMUM 6"-12" COVER. WHERE THERE IS MORE THAN TWO (2) FEET OF COVER A MANHOLE ACCESS TO GRADE MUST BE PROVIDED
CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS SET. 4000 PSI CONCRETE IS RECOMMENDED AS A MINIMUM. ALL WALLS, BOTTOM AND TOP SHALL CONTAIN REINFORCING TO ASSURE SUPPORT FOR 300 PSF
TANK MANUFACTURED BY PRECAST CONCRETE SALES COMPANY VALLEY COTTAGE NY

6000 GALLON PRECAST CONCRETE DUAL COMPARTMENT SEPTIC TANK
(3.3)
N.T.S

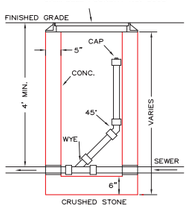


INSTALL CLEANOUTS AT 50' MAX. INTERVALS
BUILDING SEWER PIPE TO BE 6" CAST IRON.
TANK EFFLUENT PIPE TO BE 4" PVC SDR35

(13) SEWER CLEANOUT IN EARTH
N.T.S.

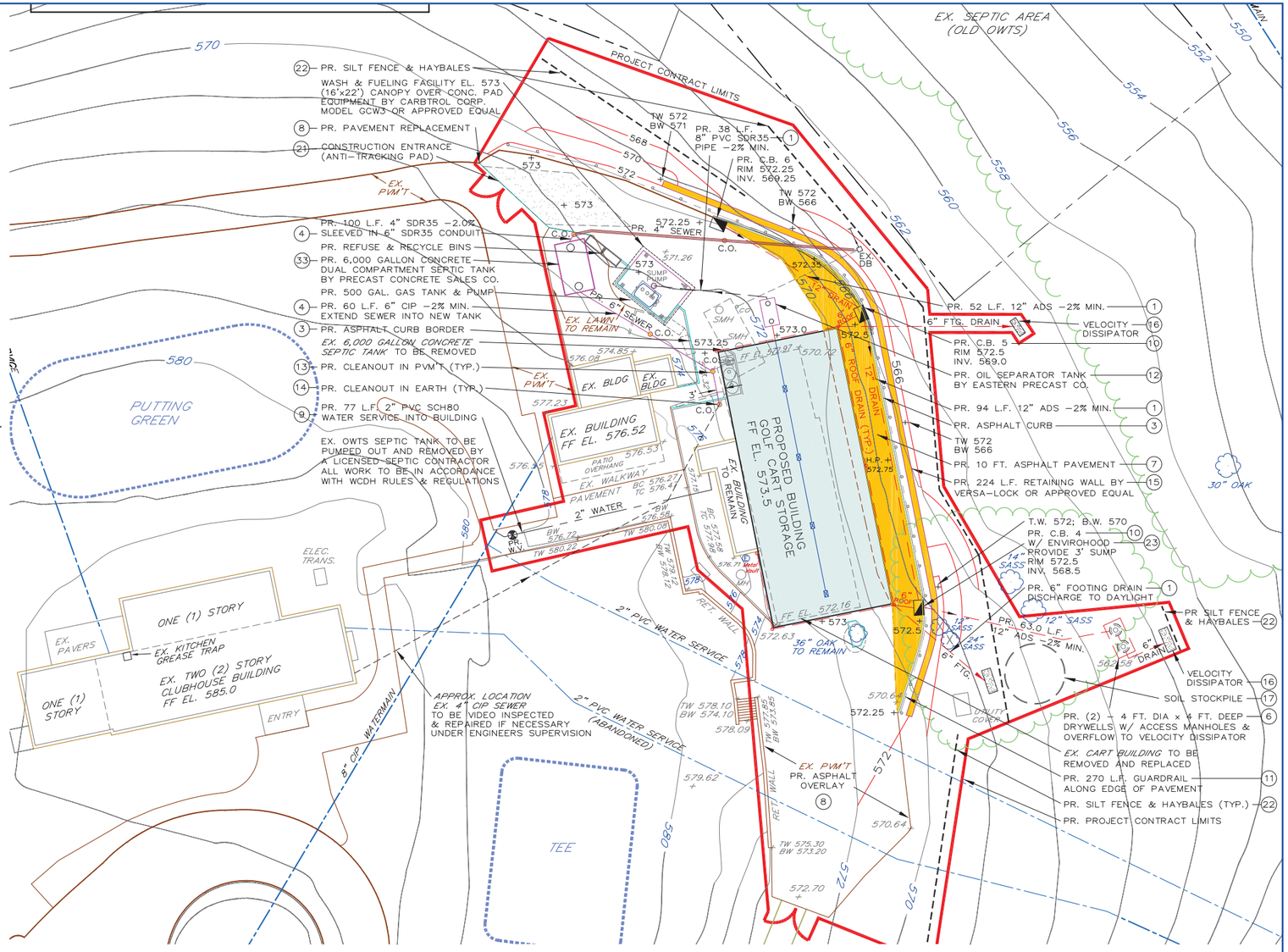


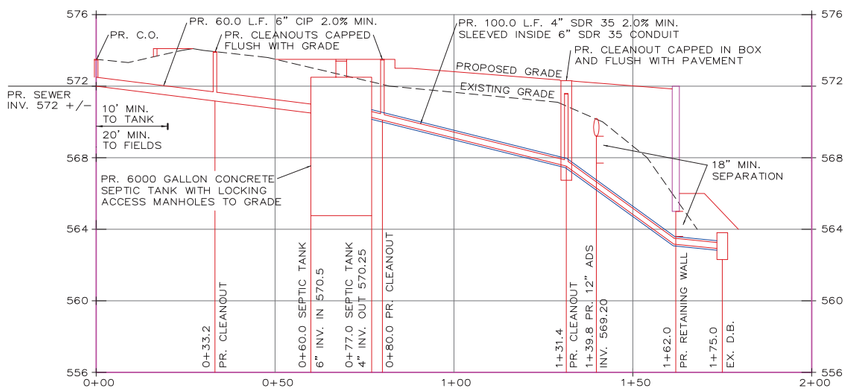
HEAVY DUTY CAST IRON FRAME AND SOLID COVER
CAMPBELL FOUNDRY NO. 3063



BUILDING SEWER PIPE TO BE 6" CAST IRON.
TANK EFFLUENT PIPE TO BE 4" PVC SDR35

(14) SEWER CLEANOUT IN PAVEMENT
N.T.S





SEPTIC PROFILE
SCALE: HOR. 1" = 20'
VER. 1" = 4'

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ENGINEER WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

RALPH G. MASTROMONACO, P.E., P.C.
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13 Dove Court, Croton-on-Hudson, New York 10520
(914) 271-4762 (914) 271-2820 Fax

STATE OF NEW YORK RALPH GEORGE MASTROMONACO No. 054495 LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17-539
SHEET NUMBER C105
SHEET NO. 28 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
SEPTIC TANK REPLACEMENT

SCALE: 1" = 20'
DATE: 6/4/21
DPW FILE NO. 10-02-C-61-0
REV. NO. 0

SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
–	AFF	ABOVE FINISHED FLOOR
–	AHC	ABOVE HUNG CEILING
–	BFP	BACK FLOW PREVENTOR
–	VTR	VENT THROUGH ROOF
–	FAI	FRESH AIR INTAKE
–	FS	FLOOR SINK
–	RPZ	REDUCED PRESSURE ZONE – BFP
–	DCV	DOUBLE CHECK VALVE – BFP
–	TYP	TYPICAL
–	H.W. HTR	HOT WATER HEATER
	–	3–WAY VALVE
	–	BUTTERFLY VALVE
	–	2–WAY VALVE
	–	PLUG VALVE
	–	SOLENOID VALVE
	–	GATE VALVE
	–	GLOBE VALVE
	–	CHECK VALVE
	–	OS&Y GATE VALVE
	–	BALL VALVE
	–	CIRCUIT SETTER
	–	MANUAL AIR VENT
	–	T&P RELIEF VALVE
	–	PRESSURE REDUCING VALVE
	–	TEE DOWN
	–	ELBOW DOWN
	–	TEE UP
	–	ELBOW UP
	–	PIPE CAP
	CODP	CLEAN OUT DECK PLATE
	WCO	WALL CLEAN OUT
	FCO	FLOOR CLEAN OUT
	–	CONCENTRIC REDUCER
	–	ECCENTRIC REDUCER
	–	STRAINER
	–	FLEXIBLE CONNECTION
	–	FLOW ARROW
	–	PRESSURE GAGE
	–	PUMP
	–	THERMOMETER
	–	UNION
	EX.	EXISTING TO REMAIN
	REL.	REMOVE AND RELOCATE
	NEW	NEW WORK
	DEM.	EXISTING TO BE REMOVED
CW	CW	COLD WATER
HW	HW	HOT WATER
HWC	HWC	HOT WATER RECIRCULATION
V	V	VENT
W	W	WASTE LINE
S	S	SANITARY
L	LDR	LEADER
SD	SD	STORM DRAINAGE
PD	PD	PUMP DISCHARGE

GENERAL NOTES

1. THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
2. THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
3. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
4. CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS.
5. PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES.
6. ALL ACCESS PANELS SHALL BE BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION.
7. PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.
8. PITCH ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING ≥ 3" AND 1/4" PER FOOT FOR PIPING ≤ 2½".
9. NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.
10. PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.
11. PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, AND HOT WATER PIPES.
12. ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
13. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE.
14. PROVIDE TRAP SEAL PRIMERS FOR FLOOR DRAINS WHERE INDICATED ON PLAN. INSTALL THE PRIMER VALVE IN THE COLD WATER SERVICE, WITH THE TRAP CONNECTION PIPED TO THE FLOOR DRAIN TRAP. LOCATE THE VALVE IN AN ACCESSIBLE LOCATION.
15. NEW PIPING LAYOUT IS PREDICATED ON RECORD DRAWING DATA OF EXISTING RISERS AND DRAWINGS. MODIFICATIONS TO THE LAYOUT MAY BE REQUIRED DUE TO DIFFERENT ACTUAL CONDITIONS, OBSTRUCTIONS, INTERFERENCES, ETC.
16. SEE THE ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE FOR CONSTRUCTION.
17. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.

EQUIPMENT NOTES

1.) DOMESTIC HOT WATER HEATER, HWH–1 SHALL BE ELECTRIC AO–SMITH XI – MODEL DRE–52–6; PROVIDING 25 GPH RECOVERY AT 40°–140°, 6kW INPUT, 50 GALLONS NOMINAL STORAGE CAPACITY, 55" HIGH, 27" DIAMETER, 260 POUNDS SHIPPING WEIGHT. PROVIDE CONDENSATE NEUTRALIZATION SYSTEM & P–TRAP. FURNISH DISCONNECT SWITCH FOR EACH HOT WATER HEATER TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR.

2.) DOMESTIC HOT WATER RE–CIRCULATION PUMP, HWC–1, TO BE BASED ON BELL & GOSSETT MODEL NBF–18S, 100% LEAD FREE, 90 WATTS, 115V–1 PHASE–60 HERTZ, 0.74 FULL LOAD AMPS, 3000 RPM AND 5 GPM @ 10 FEET HEAD. FURNISH DISCONNECT SWITCH TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR.

EQUIPMENT NOTES CONTINUED

5.) GASOLINE TANK – MAINTENANCE BUILDING: SHALL BE ENVIRO–SAFE FIREGUARD 500 GALLON DOUBLE–WALL ABOVEGROUND FUEL TANK WITH INTEGRAL FUEL DISPENSING SYSTEM. PROVIDE STEEL SUPPORT SADDLES, LIFTING LUGS, 6" EMERGENCY VENT, 2" STACK VENT, 818 CLOCK GAUGE WITH FLOAT, 7.5 GALLON OVERSPILL WITH LOCKABLE CAP, SPIN ON FILTER AND HOUSING ASSEMBLY, INTERSTITIAL LEAK GAUGE, STEP LADDER AND PLATFORM, 16" MAN–WAY, BRACKET, PIPING BALL VALVE AND ANTI–SIPHON VALVE, SUCTION LINE FOOT–VALVE 6" FROM BOTTOM TANK, FILL–RITE 711VA PUMP 1" ASSEMBLY METER AND FILTER, 1" AUTOMATIC SHUT–OFF NOZZLE, SWIVEL, & BREAKAWAY 18' X 1" HOSE. TANK SHALL BE PROVIDED WITH EPOXY PRIMER & ACRYLIC POLYURETHANE COATING, UL2085 LABELED AND LISTED, NFPA–30–30A TESTED, 2–HOUR FIRE TESTED, IMPACT AND BALLISTIC TESTED. 60" DIAMETER X 100" LONG; DRY WEIGHT: 3,100 LBS. PROVIDE PNEUMERCATOR LS–600 LEVEL SWITCHES & MP 450S LEVEL GAUGE PROBES. PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR COVERAGE OF THE TANK AND DISPENSING SYSTEM. COORDINATE WITH ARCHITECTURAL STRUCTURE ABOVE TANK.

6.) GASOLINE TANK – CART STORAGE: SHALL BE ENVIRO–SAFE FIREGUARD 500 GALLON DOUBLE–WALL ABOVEGROUND FUEL TANK WITH INTEGRAL FUEL DISPENSING SYSTEM. PROVIDE STEEL SUPPORT SADDLES, LIFTING LUGS, 6" EMERGENCY VENT, 2" STACK VENT, 818 CLOCK GAUGE WITH FLOAT, 7.5 GALLON OVERSPILL WITH LOCKABLE CAP, SPIN ON FILTER AND HOUSING ASSEMBLY, INTERSTITIAL LEAK GAUGE, STEP LADDER AND PLATFORM, 16" MAN–WAY, BRACKET, PIPING BALL VALVE AND ANTI–SIPHON VALVE, SUCTION LINE FOOT–VALVE 6" FROM BOTTOM TANK, FILL–RITE 711VA PUMP 1" ASSEMBLY METER AND FILTER, 1" AUTOMATIC SHUT–OFF NOZZLE, SWIVEL, & BREAKAWAY 18' X 1" HOSE. TANK SHALL BE PROVIDED WITH EPOXY PRIMER & ACRYLIC POLYURETHANE COATING, UL2085 LABELED AND LISTED, NFPA–30–30A TESTED, 2–HOUR FIRE TESTED, IMPACT AND BALLISTIC TESTED. 60" DIAMETER X 100" LONG; DRY WEIGHT: 3,100 LBS. PROVIDE PNEUMERCATOR LS–600 LEVEL SWITCHES & MP 450S LEVEL GAUGE PROBES. PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR COVERAGE OF THE TANK AND DISPENSING SYSTEM. COORDINATE WITH ARCHITECTURAL STRUCTURE ABOVE TANK.

7.) DIESEL TANK: SHALL BE ENVIRO–SAFE FIREGUARD 500 GALLON DOUBLE–WALL ABOVEGROUND FUEL TANK WITH INTEGRAL FUEL DISPENSING SYSTEM. PROVIDE STEEL SUPPORT SADDLES, LIFTING LUGS, 6" EMERGENCY VENT, 2" STACK VENT, 818 CLOCK GAUGE WITH FLOAT, 7.5 GALLON OVERSPILL WITH LOCKABLE CAP, SPIN ON FILTER AND HOUSING ASSEMBLY, INTERSTITIAL LEAK GAUGE, STEP LADDER AND PLATFORM, 16" MAN–WAY, BRACKET, PIPING BALL VALVE AND ANTI–SIPHON VALVE, SUCTION LINE FOOT–VALVE 6" FROM BOTTOM TANK, FILL–RITE 711VA PUMP 1" ASSEMBLY METER AND FILTER, 1" AUTOMATIC SHUT–OFF NOZZLE, SWIVEL, & BREAKAWAY 18' X 1" HOSE. TANK SHALL BE PROVIDED WITH EPOXY PRIMER & ACRYLIC POLYURETHANE COATING, UL2085 LABELED AND LISTED, NFPA–30–30A TESTED, 2–HOUR FIRE TESTED, IMPACT AND BALLISTIC TESTED. 60" DIAMETER X 100" LONG; DRY WEIGHT: 3,100 LBS. PROVIDE PNEUMERCATOR LS–600 LEVEL SWITCHES & MP 450S LEVEL GAUGE PROBES. PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR COVERAGE OF THE TANK AND DISPENSING SYSTEM. COORDINATE WITH ARCHITECTURAL STRUCTURE ABOVE TANK.

8.) FUEL OIL STORAGE TANK: SHALL BE ENVIRO–SAFE FIREGUARD 1,000 GALLON DOUBLE–WALL ABOVEGROUND FUEL OIL STORAGE TANK. PROVIDE STEEL SUPPORT SADDLES, LIFTING LUGS, 6" EMERGENCY VENT, 2" STACK VENT, 818 CLOCK GAUGE WITH FLOAT, 7.5 GALLON 4" ALUMINUM OVERSPILL CONTAINER 179 SERIES WITH HINGED STYLE FILL CAP, MEMCO 1" RETURN LINE, 1.5" PICKUP WITH DROP TUBE AND FOOT VALVE 6" FROM BOTTOM TANK, INTERSTITIAL LEAK GAUGE, STEP LADDER WITH PLATFORM, & 16" MAN–WAY. TANK SHALL BE PROVIDED WITH EPOXY PRIMER & ACRYLIC POLYURETHANE COATING, UL2085 LABELED AND LISTED, NFPA–30–30A TESTED, 2–HOUR FIRE TESTED, IMPACT AND BALLISTIC TESTED. 56" DIAMETER X 150" LONG; DRY WEIGHT: 5,800 LBS. PROVIDE PNEUMERCATOR LS–600 LEVEL SWITCHES & MP 450S LEVEL GAUGE PROBES. PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR COVERAGE OF THE TANK. COORDINATE WITH ARCHITECTURAL STRUCTURE ABOVE TANK.

9.) TANK LEVEL MONITORING SYSTEM: SHALL BE BASED ON PNEUMERCATOR TMS3000 SERIES MODULAR MULTI–TANK GAUGING SYSTEM WITH EPA COMPLIANT IN TANK AND SECONDARY CONTAINMENT LEAK DETECTION; ELECTRICAL: 115/230V/1/60. PROVIDE (1) MONITORING SYSTEM AT THE MAINTENANCE BUILDING FOR MONITORING OF THE GASOLINE, DIESEL, AND FUEL OIL TANKS. PROVIDE (1) MONITORING SYSTEM AT THE CART STORAGE BUILDING FOR MONITORING OF THE GASOLINE TANK.

IN CHARGE OF JW
CHECKED BY RG
MADE BY AMB

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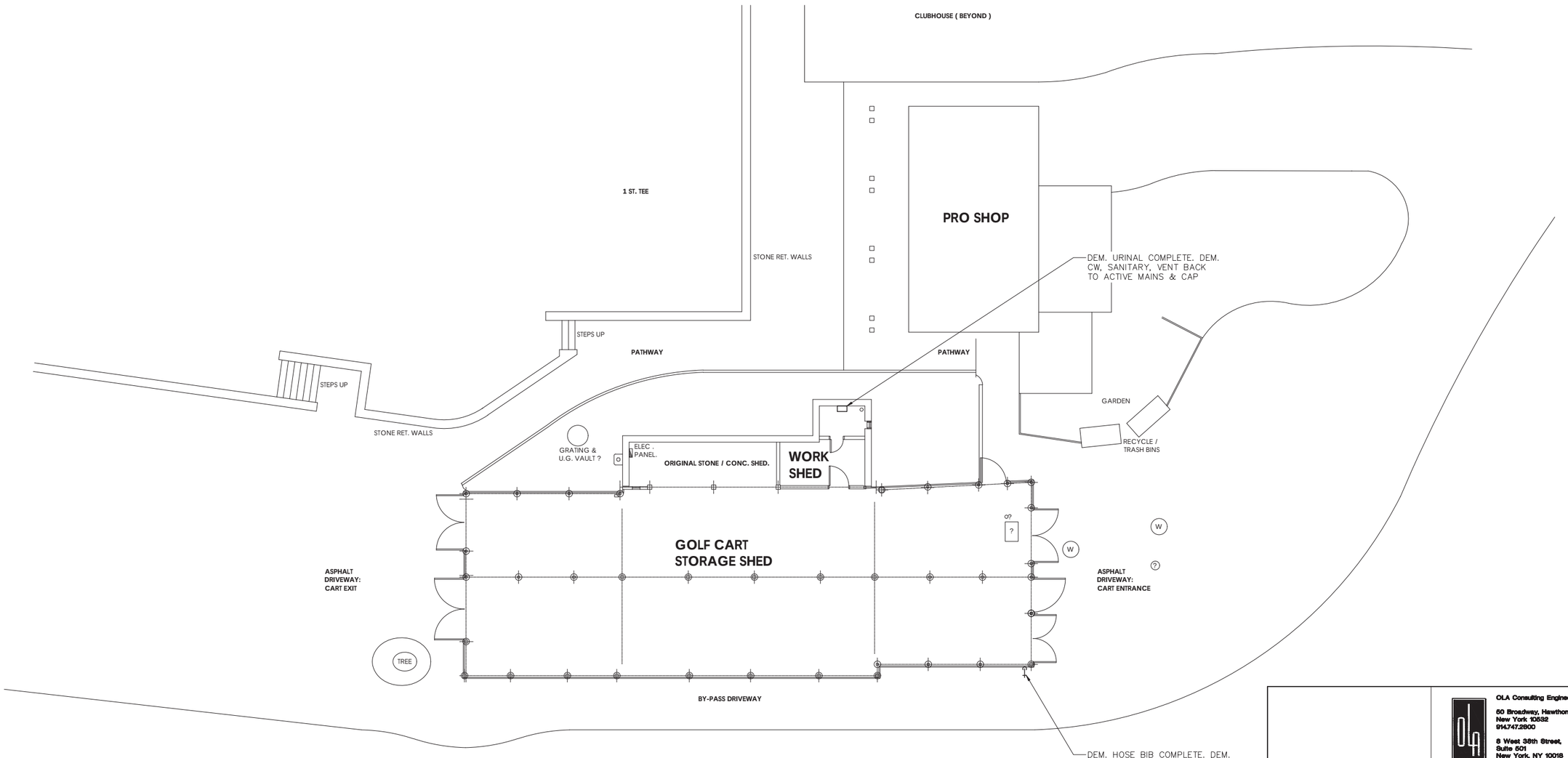
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER P-001
SHEET NO. 29 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
PLUMBING SYMBOLS, ABBREVIATIONS, & NOTES

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-P-62-0
REV. NO. 0



1 CART STORAGE SHED
PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

IN CHARGE OF JW
CHECKED BY RG
MADE BY AMB

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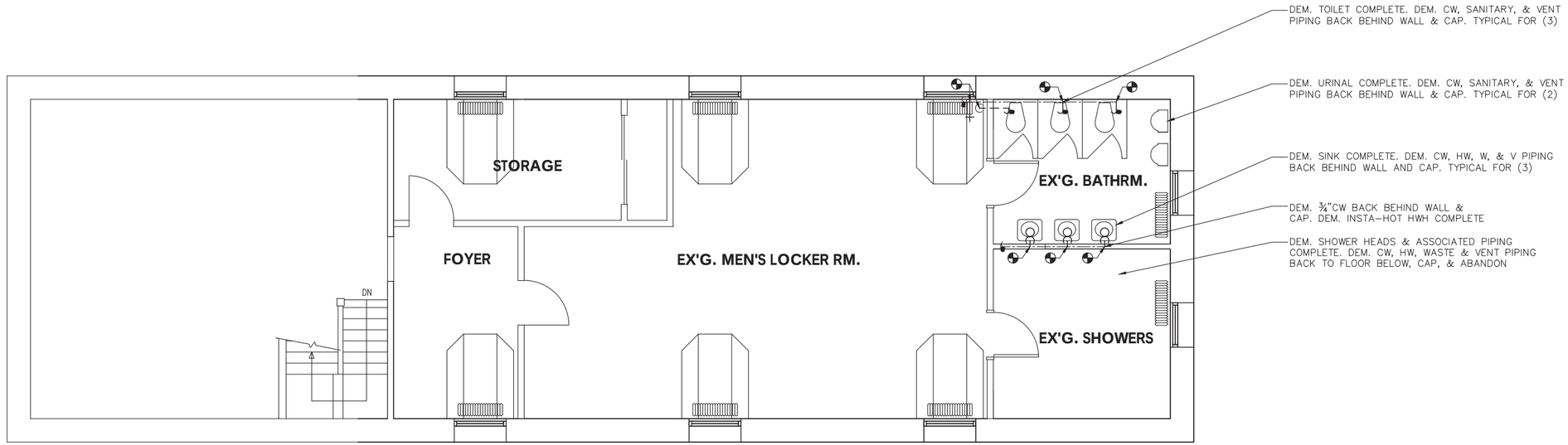
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER P-101
SHEET NO. 30 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
CART STORAGE SHED PLUMBING DEMOLITION PLAN

SCALE: 1/8" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-P-63-0
REV. NO. 0



NORTH

BATHROOMS & LOCKERS
PLUMBING DEMOLITION PLAN

1

SCALE: 1/4" = 1'-0"

NOTES:

1. COORDINATE CUTTING & PATCHING OF FIRST FLOOR PRO SHOP CEILING FOR WORK ASSOCIATED WITH BATHROOM RENOVATIONS.
2. DEM. GREASE INTERCEPTOR (G.I.) COMPLETE AT KITCHEN. PROVIDE 3" WASTE SPOOL PIECE TO CONNECT INLET & OUTLET PIPING AT REMOVED G.I. INSPECT, SCOPE, CLEAN, JET-WASH, ETC. EX. 3"W LINE FROM KITCHEN. PROVIDE RESULTS TO OWNER/ENGINEER FOR REVIEW & RECORD.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER P-102
SHEET NO. 31 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
BATHROOMS & LOCKERS PLUMBING DEMOLITION PLAN

SCALE: 1/4" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-P-64-0
REV. NO. 0

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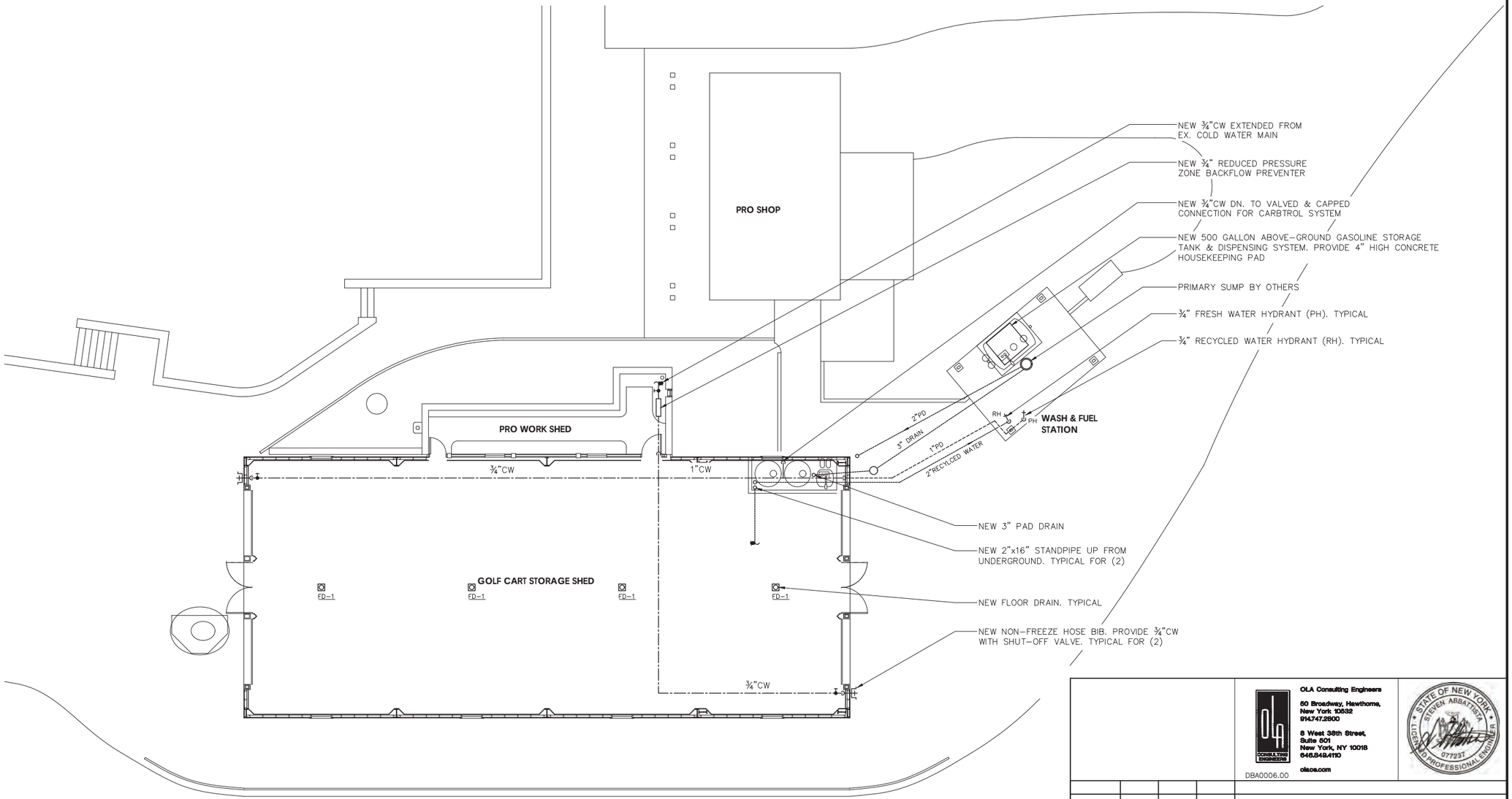

CART STORAGE SHED PLUMBING NEW WORK PLAN

1

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

NOTES:
1. ALL DOMESTIC WATER PIPING WITHIN CART STORAGE SHALL BE HEAT TRACED TO AVOID FREEZING DURING WINTER MONTHS.
2. PROVIDE VALVED & CAPPED CONNECTIONS AT LOW POINTS FOR WINTER DRAIN DOWN OF THE DOMESTIC WATER SYSTEM.
3. REFER TO CARBTROL WASH RECYCLE EQUIPMENT DRAWING EQ-101 FOR UNDERGROUND PIPING REQUIREMENTS RELATED TO WASH STATIONS. FINAL LAYOUT & POINTS OF CONNECTION. COORDINATE SIZE, LOCATION, & MATERIALS WITH CARBTROL.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539 | SHEET NUMBER P-201
SHEET NO. 32 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
CART STORAGE SHED PLUMBING NEW WORK PLAN

SCALE: 1/8" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-P-65-0
REV. NO. 0

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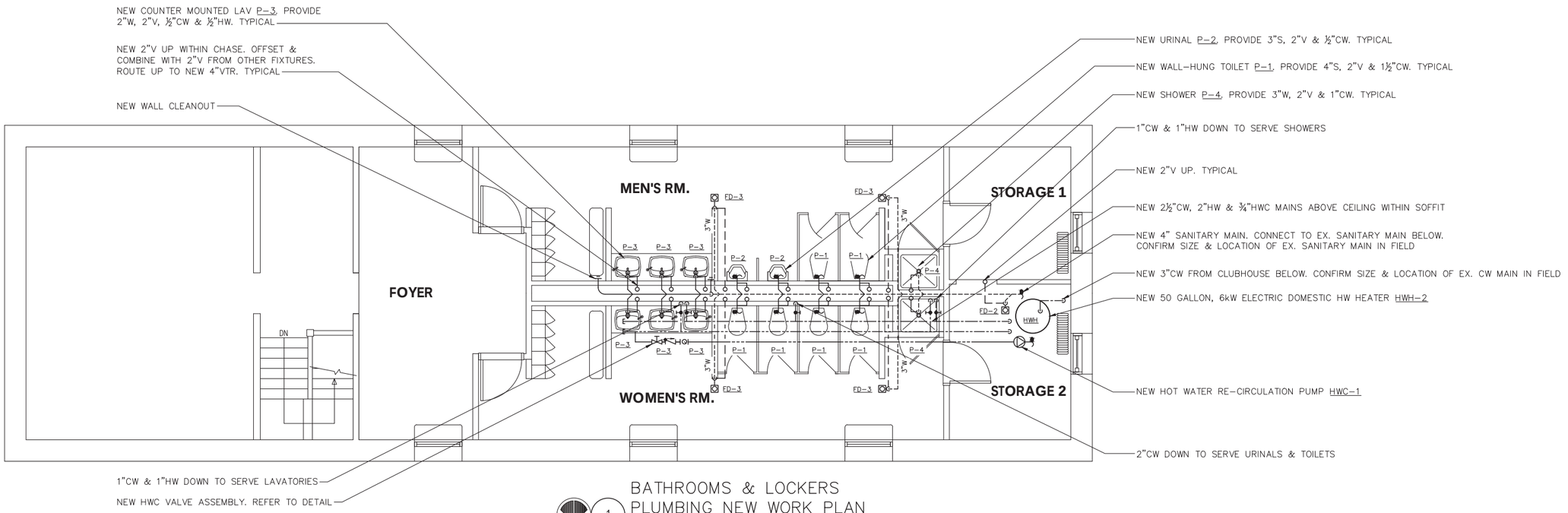
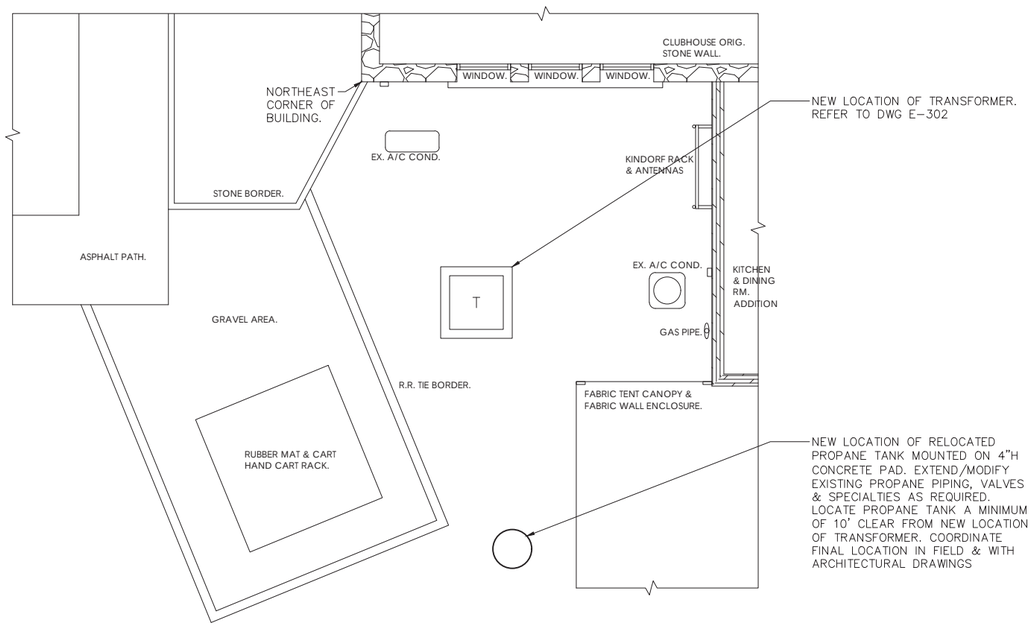


1 NORTH

BATHROOMS & LOCKERS PLUMBING NEW WORK PLAN

SCALE: 1/4" = 1'-0"

NOTES:
1. FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER.



1 NORTH

PLUMBING SITE PROPANE TANK PART PLAN

SCALE: 1/4" = 1'-0"

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CONTRACT NUMBER 17 - 539
SHEET NUMBER P-202
SHEET NO. 33 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
BATHROOMS & LOCKERS PLUMBING NEW WORK PLAN

SCALE: 1/4" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-P-66-0
REV. NO. 0

PLUMBING FIXTURE SCHEDULE

TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS				DESCRIPTION
	PLAN	ELEVATION		WASTE	VENT	COLD WATER	HOT WATER	
P-1			WATER CLOSET WALL HUNG	4"	2"	1¼"	–	TOILET; MAKE: AMERICAN STANDARD MODEL: 3351.101AF WALL MILLENIUM FLOWISE 1.28 GPF FLUSHOMETER TOILET SYSTEM 1.28 GPF WALL-MOUNT ELONGATED FLUSHOMETER VALVE TOILET, ADA COMPLIANT, 1½" INLET SPUD, FULLY GLAZED 2⅛" TRAPWAY. AMERICAN STANDARD FLUSHOMETER SELECTRONIC FLOWISE MODEL 6065.122 1.28 GALLONS PER FLUSH, ELECTRONIC FLUSH VALVE, HARD-WIRED, FULLY MECHANICAL MANUAL OVERRIDE BUTTON, AUTOMATIC FLUSH AFTER 24 HOURS OF NON-USE, 3-SECOND FLUSH DELAY, 1" IPS SCREWDRIVER BAK-CHECK ANGLE STOP, VANDAL RESISTANT STOP CAP, ADJUSTABLE TAILPIECE, INTEGRAL VACUUM BREAKER AND 1½" SPUD COUPLING PROVIDE WALL CARRIER SIMILAR TO WATTS ISCA-101-R & ISCA-131 FOR BACK TO BACK INSTALLATION & ROUTING OF WASTE HORIZONTAL WITHIN CHASE.
P-2			URINAL	2"	2"	1"	–	URINAL; MAKE: AMERICAN STANDARD MODEL: DECORUM FLOWISE 0.5 GPF HIGH EFFICIENCY URINAL 0.5 GPF VITREOUS CHINA URINAL, ADA COMPLIANT, ¾" INLET SPUD, OUTLET CONNECTION THREADED 2" INSIDE, PROVIDE WALL CARRIER. AMERICAN STANDARD FLUSHOMETER SELECTRONIC FLOWISE MODEL 6062.002 0.125 GALLONS PER FLUSH, ELECTRONIC FLUSH VALVE, HARD-WIRED, FULLY MECHANICAL MANUAL OVERRIDE BUTTON, AUTOMATIC FLUSH AFTER 24 HOURS OF NON-USE, 3-SECOND FLUSH DELAY, 1" IPS SCREWDRIVER BAK-CHECK ANGLE STOP, VANDAL RESISTANT STOP CAP, ADJUSTABLE TAILPIECE, INTEGRAL VACUUM BREAKER AND 1½" SPUD COUPLING. SEE ARCHITECTS DRAWINGS FOR MOUNTING HEIGHTS.
P-3			COUNTERTOP LAVATORY	2"	2"	½"	½"	LAVATORY; MAKE: KOHLER MODEL: K-2189-1 LADENA 20⅛"x14⅜"x8⅛" DROP-IN MOUNT BATHROOM SINK, RECTANGULAR BASIN WITH CURVED BOTTOM, NO FAUCET HOLES; REQUIRES WALL OR COUNTER MOUNT FAUCET. FAUCET; MAKE: AMERICAN STANDARD MODEL: 2064.195 SENSOR OPERATED PROXIMITY LAVATORY FAUCET, HARD-WIRED AC, 0.5 GPM PCA, VR MULTI-LAMINAR SPRAY. PROVIDE THERMOSTATIC MIXING VALVE 605XTMV10701.
P-4			SHOWER	2"	1-1/2"	1/2"	1/2"	SHOWER; MAKE: AMERICAN STANDARD MODEL: T675.507.002 COLONY SOFT COLLECTION COLONY SOFT FLOWISE SHOWER TRIM KIT. POLISHED CHROME FINISH, METAL LEVER HANDLES, 1.5 GPM MAX FLOW. SHOWER PAN; MAKE: ZORO MODEL: G 2245680, 36"x36" TERRAZZO SHOWER PAN FOR TILED WALL APPLICATION.
NFHB			HOSE BIB	–	–	–	–	IN UNFINISHED SPACES, WASHDOWN FAUCET SHALL BE POLISHED CHROME-PLATED WALL FAUCET WITH ½" MALE INLET AND ¾" HOSE THREAD OUTLET: CHICAGO #5 WITH #E27 VACUUM BREAKER OR ACCEPTABLE EQUIVALENT.
FD-1			FLOOR DRAIN	3"	2"	–	–	FOR TRAFFIC AREA OF GOLF CART STORAGE & MAINT. GARAGE: WADE #W-1210-27 WITH CAST IRON BODY, CAST IRON DRAINAGE FLANGE, SEDIMENT BUCKET, FLASHING COLLAR, 12" ROUND HEAVY DUTY CAST IRON GRATE. PROVIDE PROSET TRAP GUARD.
FD-2			FLOOR DRAIN	3"	2"	–	–	FOR MECHANICAL AREA: WADE #W-1100-STD5-1-27 WITH 5" ROUND ADJUSTABLE NICKEL-BRASS STRAINER, CAST IRON BODY, CAST IRON DRAINAGE FLANGE, FLASHING CLAMP, AND SEDIMENT BUCKET. PROVIDE PROSET TRAP GUARD.
FD-3			FLOOR DRAIN	3"	2"	–	–	FOR BATHROOMS: WADE #W-1100-STD5-1-27 WITH 5" ROUND ADJUSTABLE NICKEL-BRASS STAINER, CAST IRON BODY, CAST IRON DRAINAGE FLANGE, FLASHING CLAMP, AND SEDIMENT BUCKET.

NOTES:
1.) REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE, QUANTITY, LOCATIONS, & MOUNTING HEIGHTS.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
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CONTRACT NUMBER 17 - 539
SHEET NUMBER P-601
SHEET NO. 34 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
PLUMBING SCHEDULES

SCALE: NONE
DATE: 6/4/21
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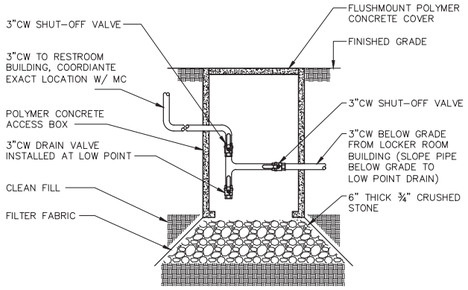
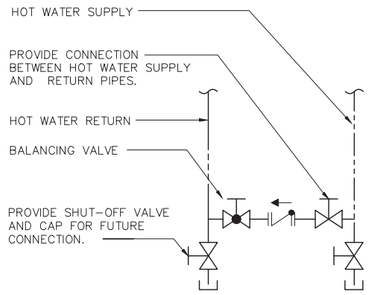
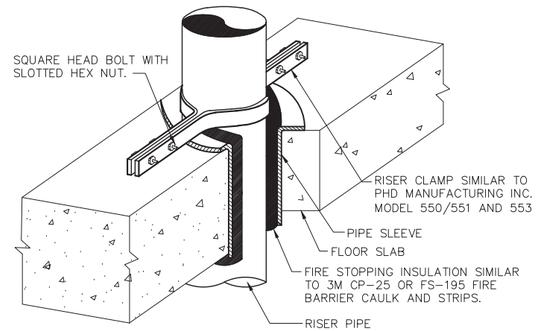


NOTE: ACCESS BOX TO BE SIMILAR TO PENTEK ULTRA SERIES POLYMER CONCRETE FLUSH-MOUNT PULL BOX. ACCESS BOX TO BE PROVIDED WITH SKID RESISTANT COVER AND HEX HEAD BOLTED COVER. BOX TO BE 13" WIDE, 24" LONG AND 24" DEEP.

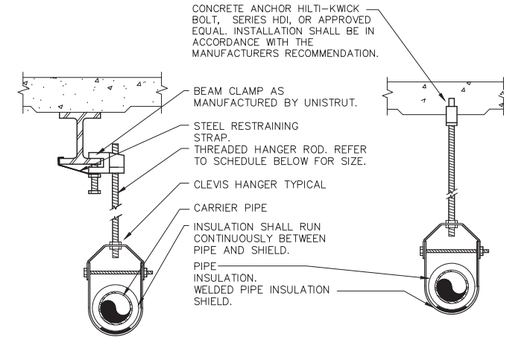
8 DOMESTIC WATER SYSTEM DRAIN PIT DETAIL
SCALE: NONE



6 HOT WATER CONNECTION DETAIL
SCALE: NONE



4 VERTICAL PIPE SUPPORT DETAIL
SCALE: NONE

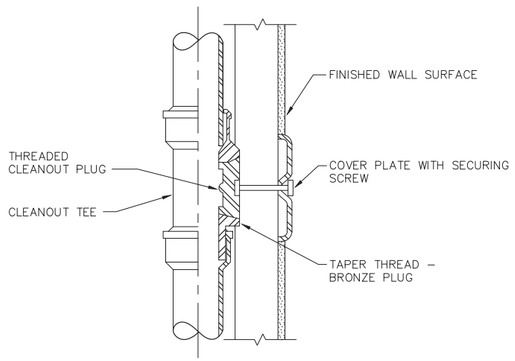


PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

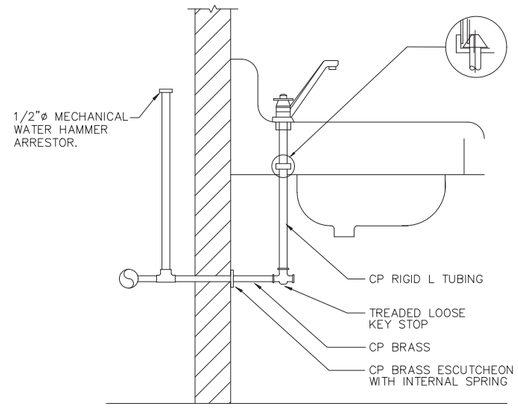
NOTES:

1. CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
2. FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
3. FOR NONINSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
4. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
5. FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.

2 ABOVEGROUND PIPE HANGER DETAIL
SCALE: NONE

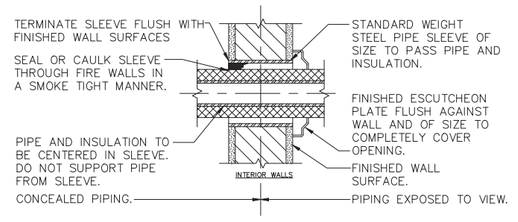


7 CLEANOUT FOR DRAINAGE PIPING CONCEALED BEHIND WALLS
SCALE: NONE



NOTE:
SIMILAR SUPPLY ARRANGEMENT TO OTHER FIXTURES

3 TYPICAL LAVATORY SUPPLY CONNECTION
SCALE: NONE



1 PIPE WALL SLEEVE DETAIL
SCALE: NONE

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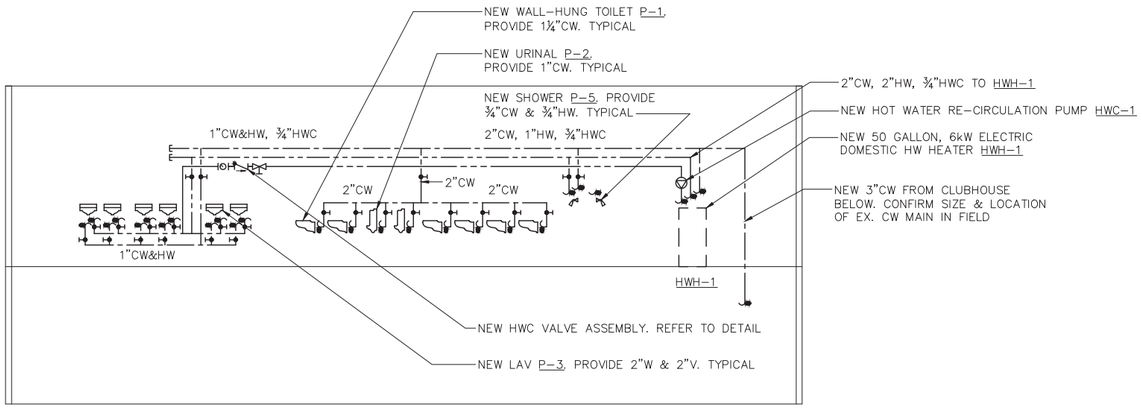
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

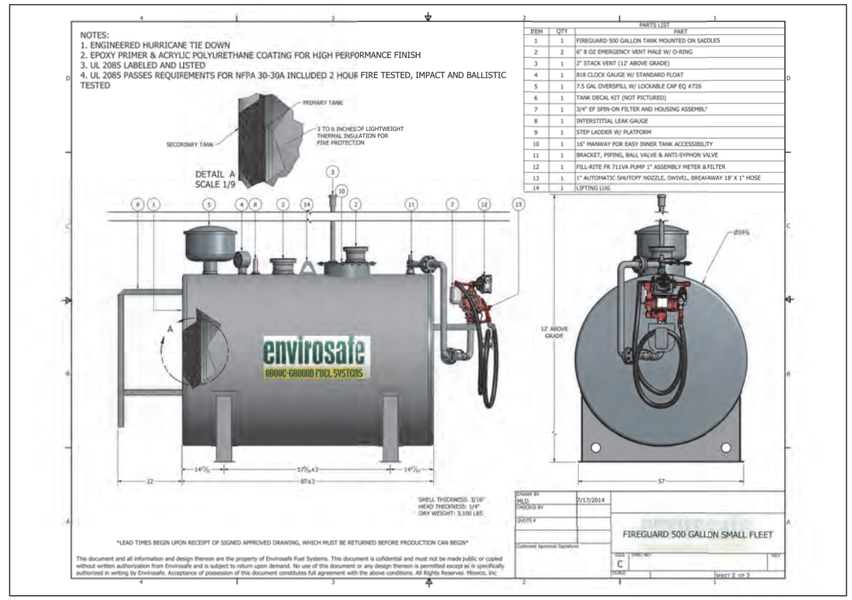
CONTRACT NUMBER 17 - 539
SHEET NUMBER P-701
SHEET NO. 35 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
PLUMBING DETAILS 1 OF 2

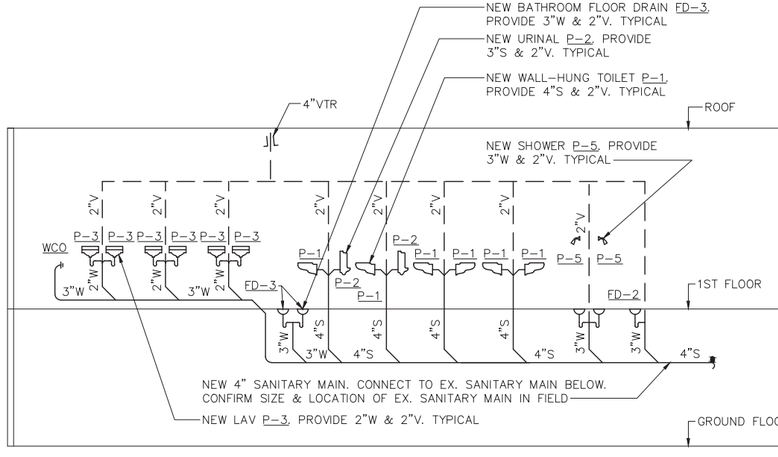
SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-P-68-0
REV. NO. 0



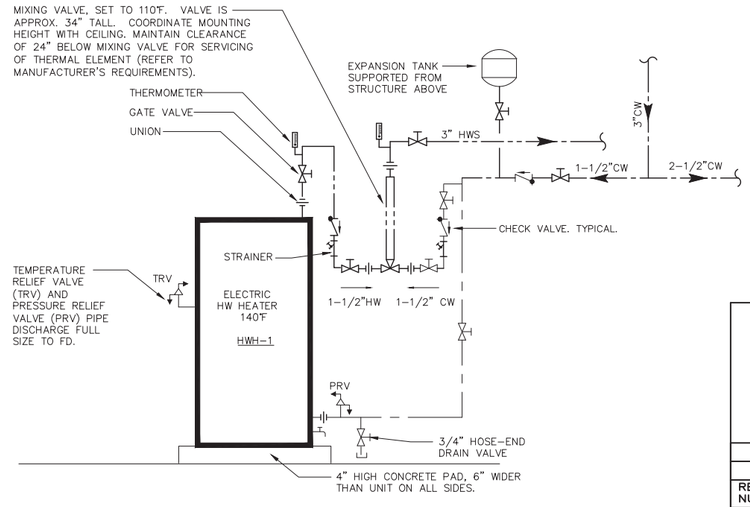
2 CLUBHOUSE TOILET ROOMS PLUMBING DOMESTIC RISER DIAGRAM
SCALE: NONE



4 500 GALLON DIESEL/GASOLINE STORAGE TANK
SCALE: NONE



1 CLUBHOUSE TOILET ROOMS PLUMBING SANITARY RISER DIAGRAM
SCALE: NONE



3 ELECTRIC HWH SCHEMATIC – BATHROOMS & LOCKERS
SCALE: NONE

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SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539 | SHEET NUMBER P-702
SHEET NO. 36 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
PLUMBING DETAILS 2 OF 2

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-P-69-0
REV. NO. 0

SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
–	AC–	AIR CONDITIONING UNIT
–	AD	ACCESS DOOR
–	AFF	ABOVE FINISHED FLOOR
–	AHC	ABOVE HUNG CEILING
–	AP	ACCESS PANEL
–	BHP	BRAKE HORSEPOWER
–	BTU	BRITISH THERMAL UNIT
–	CFM	CUBIC FEET PER MINUTE
–	COD	CABLE OPERATED DAMPER
–	DB	DRY BULB TEMPERATURE
–	DIA. OR ø	DIAMETER
–	DX	DIRECT EXPANSION
–	EA	EXHAUST AIR
–	EAT	ENTERING AIR TEMPERATURE
–	ER	EXHAUST REGISTER
–	ESP	EXTERNAL STATIC PRESSURE
–	EWT	ENTERING WATER TEMPERATURE
–	FCU	FAN COIL UNIT
–	FPM	FEET PER MINUTE
–	FPS	FEET PER SECOND
–	GPM	GALLONS PER MINUTE
–	HP	HORSE POWER
–	LAT	LEAVING AIR TEMPERATURE
–	LF	LINEAR FEET
–	LWT	LEAVING WATER TEMPERATURE
–	MBH	1000 BRITISH THERMAL UNITS PER HOUR
–	MER	MECHANICAL EQUIPMENT ROOM
–	NIC	NOT IN CONTRACT
–	OAI	OUTSIDE AIR INTAKE
–	PSI	POUNDS PER SQUARE INCH
–	RA	RETURN AIR
–	RF–	RETURN FAN
–	RPM	REVOLUTIONS PER MINUTE
–	SA	SUPPLY AIR
–	SP	STATIC PRESSURE
–	TD	TRANSFER DUCT
–	TF–	TRANSFER FAN
–	TSP	TOTAL STATIC PRESSURE
–	TYP.	TYPICAL
–	U.O.N.	UNLESS OTHERWISE NOTED
–	WB	WET BULB TEMPERATURE
–	WG	INCHES OF WATER GAUGE
———	EX.	EXISTING TO REMAIN
– – – – – –	REL.	REMOVE AND RELOCATE
———	NEW	NEW WORK
– – – – – –	DEM.	EXISTING TO BE REMOVED
Ⓣ	–	THERMOSTAT
	–	AIR INTO REGISTER
	–	POINT OF CONNECTION DISCONNECTION
	SR	SUPPLY REGISTER
	CD	1–WAY
	CD	2–WAY
	CD	2–WAY

	CD	3–WAY
	CD	4–WAY
	RR/RG/ER	RETURN REGISTER/GRILLE/EXHAUST REGISTER
	–	SUPPLY DUCT UP
	–	SUPPLY DUCT DOWN
	–	RETURN DUCT UP
	–	RETURN DUCT DOWN
	–	TRANSITION FROM SQUARE TO ROUND DUCT
	–	TRANSITION
D	–	DUCT DROP
R	–	DUCT RISE
	–	SQUARE VANED ELBOW
	–	DUCT RISE
	–	DUCT DROP
	–	DUCT TRANSITION
	–	ALUMINUM DUCT
	AL	ACOUSTIC LINING
	FD/AD	FIRE DAMPER W/ ACCESS DOOR
	SD/AD	SMOKE DAMPER W/ ACCESS DOOR
	CFSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS DOOR
	VD	VOLUME DAMPER
	AL	ACOUSTIC LINING
6x8	–	DUCT SIZE – 1ST FIGURE IS SIDE SHOWN
	FC	FLEXIBLE CONNECTION
	–	ALUMINUM DUCT
SR	–	EXHAUST REGISTER
SD	–	NEW CEILING DIFFUSER
–	–	–
–	–	–
–	–	–
–	–	–

GENERAL NOTES

1. DUCT DIMENSIONS SHOWN ON MECHANICAL DRAWINGS REFER TO INSIDE CLEAR DUCT DIMENSIONS. WHERE DUCTWORK IS LINED THE CONTRACTOR SHALL INCREASE THE SIZE OF DUCT TO COMPENSATE FOR LINING.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE BEGINNING OF WORK AND COORDINATE NEW WORK.
3. THE CONTRACTOR SHALL INSTALL FIRE DAMPERS WITH ACCESS DOORS IN ALL DUCTS PENETRATING FIRE RATED WALLS WHETHER SPECIFICALLY SHOWN ON THE DRAWING OR NOT.
4. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL.
5. COORDINATE DUCTWORK, GRILLE, DIFFUSER AND REGISTER LOCATIONS WITH LIGHTS, ARCHITECTURAL ELEMENTS AND SHELVING.
6. THIS CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING DUCTWORK, PLUMBING PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, DIFFUSERS, GRILLES, ETC.
7. CONTRACT DRAWINGS AS FAR AS THEY RELATE TO THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, PIPING AND SHEETMETAL, SHALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGES TO SHEETMETAL AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
8. PROVIDE CABLE OPERATED DAMPERS ON DUCTWORK ABOVE DRYWALL CEILINGS.
9. ALL RETURN DUCTWORK ENDING ABOVE HUNG CEILING TO HAVE ½"WMS.
10. SEE ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE FOR CONSTRUCTION.

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SEQUENCE OF OPERATION

HP UNITS (HP–1)

PROVIDE A NEW TEMPERATURE CONTROL PANEL WITH 7–DAY PROGRAMMABLE THERMOSTAT WITH AUTO CHANGE–OVER, SET–BACK, HEAT–OFF–COOL AND ON–AUTO FAN SWITCH. HEATING AND COOLING SHALL BE ENABLED AND DISABLED THROUGH THIS THERMOSTAT.

UNIT OFF: THE OUTSIDE AIR INTAKE AND EXHAUST AIR DAMPERS SHALL BE CLOSED, AND THE RETURN AIR DAMPER SHALL BE FULL OPEN.

FAN OPERATION: THE UNIT SHALL START AND STOP AT PRE–SET TIMES AS PROGRAMMED THROUGH THE PROGRAMMABLE THERMOSTAT. UPON STARTUP, THE SUPPLY FAN START AND RAMP UP TO THE PROGRAMMED SPEED. THE OUTDOOR AIR DAMPER AND THE EXHAUST AIR DAMPERS SHALL OPEN AND THE RETURN AIR DAMPER SHALL CLOSE TO THE MINIMUM OUTDOOR AIR POSITION. UPON FAN SHUT DOWN THE OUTDOOR AIR DAMPER AND EXHAUST DAMPERS SHALL FULLY CLOSE AND THE RETURN AIR DAMPER SHALL FULLY OPEN.

COOLING OPERATION: UNIT SUPPLY FAN SHALL RUN CONTINUOUSLY AND THE CONTROL CIRCUITS ENERGIZED DURING THE PROGRAMMED OCCUPIED PERIODS. THE OUTSIDE AIR INTAKE DAMPER SHALL BE OPEN AND SUPPLY AIR FAN ON. DX COOLING SHALL CYCLE TO MAINTAIN SPACE TEMPERATURE SET–POINT AT 75℉ (ADJUSTABLE).

HEATING OPERATION: UNIT SUPPLY FAN SHALL RUN CONTINUOUSLY DURING THE PROGRAMMED OCCUPIED PERIODS. THE OUTSIDE AIR INTAKE DAMPER SHALL BE OPEN AND SUPPLY AIR FAN ON. DX HEATING SHALL CYCLE TO MAINTAIN SPACE TEMPERATURE SET–POINT AT 68℉ (ADJUSTABLE).

MORNING WARM–UP OPERATION: UNIT SHALL START AND OPERATE FOR A PREDETERMINED PERIOD AS PROGRAMMED INTO THE UNITARY CONTROLS. DURING THIS CYCLE; OUTSIDE, INTAKE, AND EXHAUST AIR DAMPERS SHALL REMAIN CLOSED, AND RETURN AIR DAMPER SHALL REMAIN OPEN. THE COMPRESSOR SHALL ENERGIZE TO MAINTAIN DISCHARGE AIR TEMPERATURE SET POINT. WHEN THE ZONE TEMPERATURE COMES TO WITHIN 2℉ (ADJUSTABLE) OF SET POINT, THE UNIT SHALL OPERATE IN OCCUPIED MODE.

MORNING COOL–DOWN OPERATION: UNIT SHALL START AND OPERATE FOR A PREDETERMINED PERIOD AS PROGRAMMED INTO THE UNITARY CONTROLS. DURING THIS CYCLE; OUTSIDE, INTAKE, AND EXHAUST AIR DAMPERS SHALL REMAIN CLOSED, AND RETURN AIR DAMPER SHALL REMAIN OPEN. THE COMPRESSOR SHALL ENERGIZE TO MAINTAIN DISCHARGE AIR TEMPERATURE SET POINT. WHEN THE ZONE TEMPERATURE COMES WITHIN 2℉ OF SET POINT, THE UNIT SHALL OPERATE IN OCCUPIED MODE.

LIMIT CONTROLS: PROVIDE A HIGH/LOW LIMIT CONTROL(S) IN THE SUPPLY FAN DISCHARGE ARRANGED TO OVERRIDE TEMPERATURE CONTROLS AND PREVENT DISCHARGE TEMPERATURE FROM DROPPING BELOW 50℉ AND RISING ABOVE 110℉ (ADJUSTABLE). ALL DAMPERS SHALL GO TO THE UNIT OFF POSITION.

MISCELLANEOUS: WHENEVER UNITS ARE SHUTDOWN, THE OUTSIDE AIR INTAKE AND EXHAUST AIR DAMPERS SHALL BE CLOSED AND THE RETURN AIR DAMPER SHALL BE OPEN. PROVIDE ALL WIRING AS REQUIRED.

TOILET EXHAUST–FAN: TOILET EXHAUST FAN SHALL BE INTERLOCKED WITH A TIME–CLOCK TO OPERATE DURING OCCUPIED PERIODS.

EXHAUST–FAN: EXHAUST FAN SHALL BE INTERLOCKED WITH A TIME–CLOCK TO OPERATE DURING OCCUPIED PERIODS AND/OR 24–7 BASED ON AREA SERVED.

ELECTRIC UNIT HEATER: PROVIDE 7–DAY PROGRAMMABLE THERMOSTAT WITH ON–AUTO–OFF SWITCH, LOCATED AS SHOWN ON PLAN AND COORDINATED WITH ARCHITECTURAL DRAWINGS. UNIT HEATER SHALL ENERGIZE TO MAINTAIN TEMPERATURE SET–POINT OF 55℉ (ADJUSTABLE).

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WESTCHESTER COUNTY, NEW YORK
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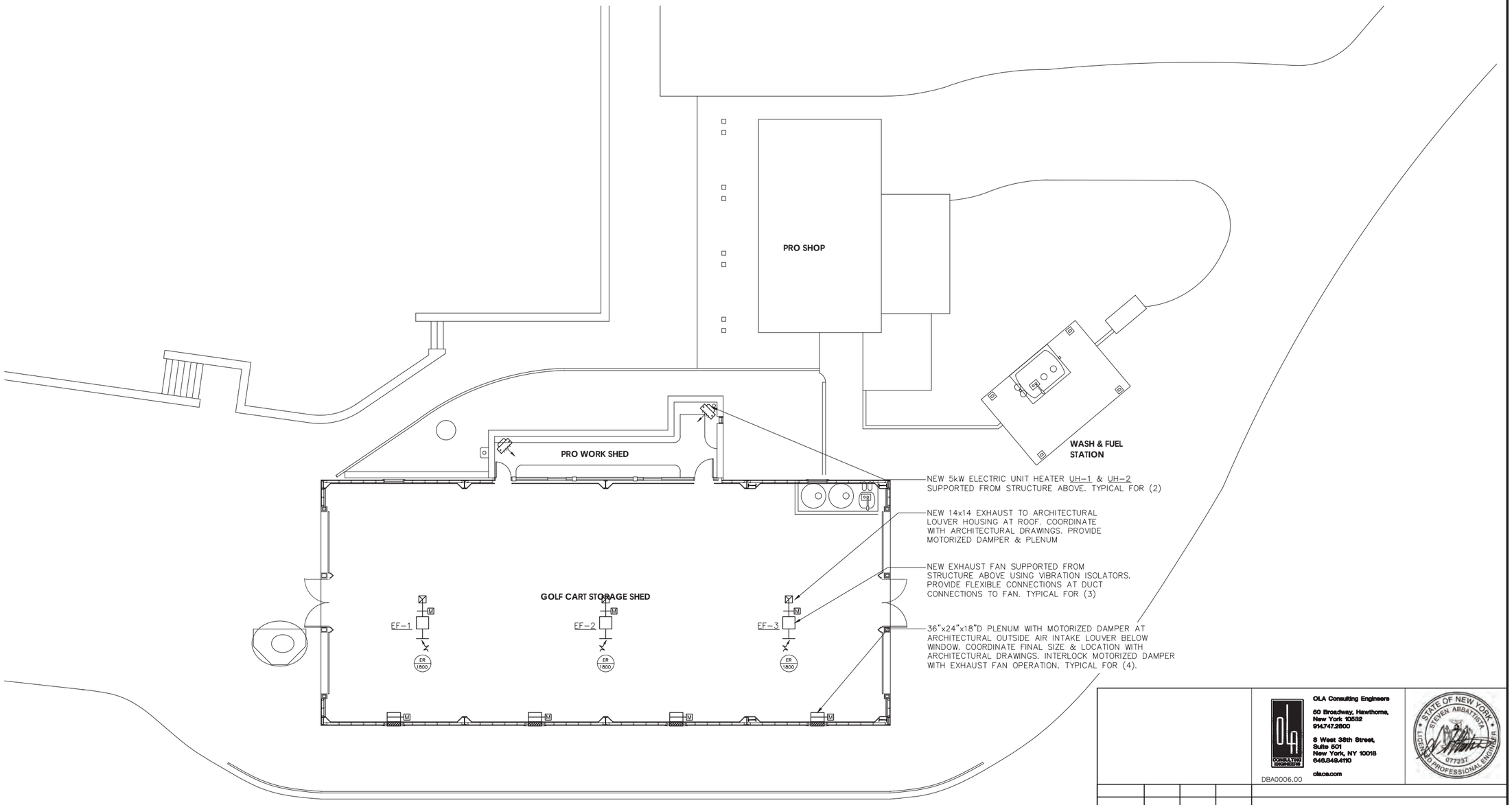
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER M-001
SHEET NO. 37 OF 59
SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-M-70-0
REV. NO. 0

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
MECH. SYMBOLS, ABBREVIATIONS, & NOTES



NORTH

1 CART STORAGE SHED MECHANICAL NEW WORK PLAN

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

NOTES:

1. OUTDOOR INTAKE AIR SHALL BE PROVIDED THROUGH ARCHITECTURAL LOUVERS LOCATED BELOW WINDOWS ALONG THE EAST PERIMETER WALL. REFER TO ARCHITECTURAL DRAWINGS.

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CONTRACT NUMBER 17 - 539 | SHEET NUMBER M-201
SHEET NO. 38 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CART STORAGE SHED MECHANICAL NEW WORK PLAN

SCALE: 1/8" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-M-71-0
REV. NO. 0

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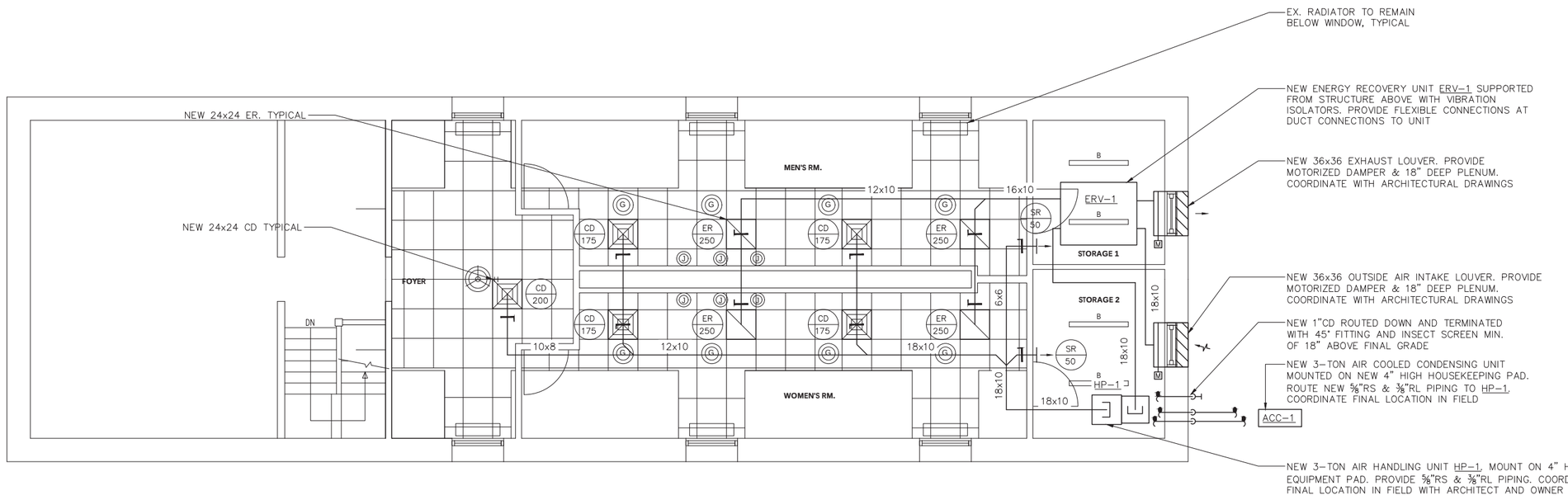

BATHROOMS & LOCKERS MECHANICAL NEW WORK PLAN

1 SCALE: 1/4" = 1'-0"

NORTH

NOTES:
1. SUPPLY AND RETURN DUCTWORK ABOVE TOILET ROOM SHALL BE RUN ABOVE CEILING. COORDINATE WITH ARCHITECTURAL DRAWINGS.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER M-202
SHEET NO. 39 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
BATHROOMS & LOCKERS MECHANICAL NEW WORK PLAN

SCALE: 1/4" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-M-72-0
REV. NO. 0

IN CHARGE OF JW
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EXHAUST FAN SCHEDULE

DESIGNATION	EF-1	EF-2	EF-3
LOCATION	GOLF CART STORAGE	GOLF CART STORAGE	GOLF CART STORAGE
AREA SERVED	GOLF CART STORAGE	GOLF CART STORAGE	GOLF CART STORAGE
MODEL	SQ-140 (VARI-GREEN)	SQ-140 (VARI-GREEN)	SQ-140 (VARI-GREEN)
CFM	1,800	1,800	1,800
BHP	0.3	0.3	0.3
HP	¾	¾	¾
FAN RPM	1140	1140	1140
SP (IN H_2O)	0.375	0.375	0.375
VOLTS/ø/Hz	230/1/60	230/1/60	230/1/60
INTERLOCK	–	–	–

NOTES:
1. FANS BASED ON GREENHECK.
2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY.
3. FURNISH MOTOR STARTERS AND DISCONNECT SWITCHES FOR EACH FAN.
4. FURNISH MOTOR AND BELT GUARD FOR ALL EXTERNAL MOTOR DRIVES.
5. FURNISH RUBBER IN SHEAR OR SPRING VIBRATION ISOLATORS AS PER THE SPECIFICATION.
6. FURNISH WALL MOUNTED SPEED CONTROLLER OR THERMOSTAT AS INDICATED ON PLAN.

ENERGY RECOVERY SCHEDULE

DESIGNATION	ERV-1
LOCATION	STORAGE
AREA SERVED	TOILET/LOCKER ROOM
MANUFACTURER	GREENHECK
MODEL	ERV-20-15L
WEIGHT	779
SUPPLY FAN:	
CFM	1,000
MIN OA CFM	1,000
HP	¾
ESP/TSP	0.75/0.845
EXHAUST FAN:	
CFM	1,000
HP	¾
ESP/TSP	0.75/0.849
ENERGY CONSERVATION WHEEL: (SUMMER OAT 95/75, WINTER OAT 0/0)	
SUMMER SAT DB/WB	78.3/66.2
SUMMER RAT DB/WB	75.0/63.9
SUMMER EAT DB/WB	91.5/73.2
WINTER SAT DB/WB	60.7/48.8
WINTER RAT DB/WB	55.8/35.0
WINTER EAT DB/WB	20.4/19.0
FILTERS DATA:	
QUANTITY/SIZE	8-20x20 (EXHAUST AIR) 8-20x20 (OUTDOOR AIR)
EFFICIENCY	MERV 8
ELECTRICAL DATA:	
VOLTS/ø/Hz	208 / 1 / 60
MCA	18.5
MAX FUSE SIZE	25.0

NOTES:
1. FURNISH THE FOLLOWING OPTIONS AND ACCESSORIES:
- ROOM TEMPERATURE SENSOR.
- PREMIUM EFFICIENCY MOTORS
- ANGLE FILTER SECTIONS WITH MERV-8 FILTERS.
- DIRTY FILTER SENSOR – OUTDOOR AND EXHAUST AIR.
- OUTDOOR AIRFLOW MONITORING.
- ROTATION SENSOR.
- DUCT FLANGE.
- MICROPROCESSOR CONTROLS.
- SPRING VIBRATION ISOLATORS.
- MOTORIZED SUPPLY AND RETURN LOW LEAKAGE DAMPERS.
- FROST CONTROL – MODULATING WHEEL.

3. FURNISH EXTRA DRIVE BELT AND EXTRA FILTER SET.
4. PROVIDE UNIT MOUNTED DISCONNECT SWITCH.
5. UNIT SHALL BE UL LISTED.

EQUIPMENT NOTES:

1.) LOUVERS: SHALL BE RUSKIN MODEL ELF375DX DRAINABLE BLADE, 37.5° BRUSHED ALUMINUM 6063-T5, ANODIZED CUSTOM COLOR TO BE SUBMITTED FOR APPROVAL. FURNISH 1/2" GALVANIZED STEEL BIRD SCREEN. COORDINATE WITH ARCHITECTURAL PLANS.

2.) MOTORIZED DAMPER: SHALL BE RUSKIN MODEL CD40. 4" DEEP EXTRUDED ALUMINUM AIRFOIL DAMPER. DAMPER SHALL HAVE OPPOSED BLADES, MOTOR, AND LINKAGE. DAMPER SHALL BE 120V, 3 AMP MAX. DAMPER SHALL BE LOW-LEAKAGE RATED TYPE.
2.1) OUTSIDE AIR INTAKE & EXHAUST DAMPERS SHALL BE CLASS I MOTORIZED DAMPERS WITH MAXIMUM LEAKAGE RATE OF 4 CFM/FT² @ 1.0" W.G.; TESTED IN ACCORDANCE WITH AMCA 500D. DAMPERS SHALL BE CONFIGURED TO CLOSE AUTOMATICALLY WHEN THE SYSTEMS OF SPACE SERVED ARE NOT IN USE.

3.) CEILING DIFFUSERS: SHALL BE TITUS MODEL TDC WITH OPPOSED BLADE VOLUME DAMPER. ALL STEEL CONSTRUCTION. FINISH SHALL BE BAKED ON ENAMEL, COLOR SHALL BE WHITE. FRAME SHALL BE SUITABLE FOR LAY IN OR SURFACE MOUNTING. NECK SHALL BE ROUND. REFER TO PLANS FOR MODULE SIZE, NECK SIZE, AND CFM. COORDINATE WITH ARCH PLANS.

4.) SUPPLY AIR REGISTERS: SHALL BE TITUS MODEL 300FL, 1/2" SPACING, DOUBLE DEFLECTION, ALL ALUMINUM CONSTRUCTION, AIRFOIL BLADES WITH OPPOSED BLADE VOLUME DAMPER, SIZE AND CFM AS NOTED ON PLANS. FINISH SHALL BE BAKED ON ENAMEL, COLOR SHALL BE WHITE. FRAME SHALL BE SUITABLE FOR SURFACE MOUNT OR LAY IN. COORDINATE WITH ARCH PLANS.

5.) RETURN & EXHAUST AIR REGISTERS: SHALL BE TITUS MODEL 355FL, 1/2" SPACING, 35° FIXED DEFLECTION, ALL ALUMINUM CONSTRUCTION, AIRFOIL BLADES WITH OPPOSED BLADE VOLUME DAMPERS, SIZE AND CFM AS NOTED ON PLANS. FINISH SHALL BE BAKED ON ENAMEL, COLOR SHALL BE WHITE. FRAME SHALL BE SUITABLE FOR SURFACE MOUNT OR LAY IN. COORDINATE WITH ARCH PLANS.

8.) HEAVY DUTY SIDEWALL RETURN AIR REGISTERS – FOR USE IN CART STORAGE SHED: SHALL BE TITUS MODEL 33RL, STEEL CONSTRUCTION, WITH 1/2" SPACING, 38° FIXED DEFLECTION, 16-GAUGE BORDER, 14-GAUGE BLADES, SUPPORT BARS 6" ON CENTER, OPPOSED BLADE VOLUME DAMPER IN NECK, SIZE AND CFM AS NOTED ON PLANS. FINISH SHALL BE BAKED ON ENAMEL. SUBMIT COLOR CHART FOR APPROVAL. FRAME SHALL BE SUITABLE FOR SURFACE MOUNTING. COORDINATE WITH ARCH PLANS.

9.) THERMOSTAT GUARDS: PROVIDE LOCKING TAMPER PROOF COVER FOR ALL THERMOSTATS AND CO2 SENSORS. COVER SHALL BE CLEAR ACRYLIC PLASTIC WITH TUMBLER TYPE KEY LOCK. SIMILAR TO HONEYWELL CG-512A.

10.) REFRIGERANT PIPE INSULATION: SHALL BE AP ARMAFLEX PIPE INSULATION. 1" THICK UNSLIT, TO BE INSTALLED BEFORE FINAL CONNECTION. FIELD FABRICATE FITTING INSULATION WITH MITER-CUTS. ALL BUTT JOINTS AND SEAMS ARE TO BE SEALED WITH ARMSTRONG 520 ADHESIVE. ALL INSULATION INSTALLED OUTDOORS SHALL BE COATED WITH ARMSTRONG ARMAFLEX FINISH, AS PER THE MANUFACTURERS RECOMMENDATIONS.

11.) VERTICAL INDOOR HEAT PUMP (HP-1): SHALL BE 3-TON VERTICAL DUCTED DAIKIN MODEL FTQ36PBVJU RATED AT 36,000 BTUH COOLING / 40,000 BTUH/HEATING; 1,200 CFM @ 0.8" ESP; ⅜"RL & ⅝"HG, R-410A REFRIGERANT. MICROPROCESSOR THERMOSTAT FOR COOLING AND HEATING. ELECTRICAL: 208-230/1/60, 2.8 MCA, 15 MOCP.

OUTDOOR UNIT ACC-1 SHALL BE 3-TON DAIKIN MODEL RZQ36PVJU9 OUTDOOR COMPRESSOR RATED AT 36,000 BTUH COOLING / 40,000 BTUH HEATING; ELECTRICAL: 208-230/1/60, 27 MCA, 30 MOCP.

12.) ELECTRIC UNIT HEATER (UH-1 & UH-2): SHALL BE MARKEL MODEL F1FUH05003, RATED AT 400 CFM, 17.1 MBH, 5 kW, 208V/1ϕ/60Hz, 24 AMPS. PROVIDE THE FOLLOWING OPTIONS: FAN GUARD, AIR DEFLECTION LOUVER, SUMMER FAN SWITCH, HEAT PURGE FAN DELAY SWITCH, DISCONNECT SWITCH, & WALL THERMOSTAT.

13.) VIBRATION ISOLATORS: ALL INDOOR AND OUTDOOR HVAC EQUIPMENT SHALL BE MOUNTED ON SPRING VIBRATION ISOLATORS, WITH A RATED STATIC DEFLECTION OF AT LEAST 1". USE MASON TYPE "SLF" OR "SLFH" FOR FLOOR MOUNTED EQUIPMENT, RATED FOR MACHINE LOAD. USE MASON TYPE "30" OR "W30" FOR EQUIPMENT SUSPENDED FROM CEILING. ASSUMING THE EQUIPMENT IS MOUNTED TO PROVIDE FOR EQUAL LOAD DISTRIBUTION, EACH SPRING SHALL BE RATED FOR 1/4 THE UNIT'S TOTAL WEIGHT. SYSTEMS MUST BE ENGINEERED FOR 95% ISOLATION EFFICIENCY AT THE LOWEST ROTATIONAL SPEED OF THE UNIT.

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

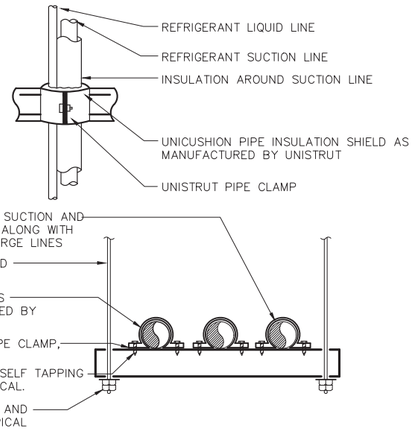
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER M-601
SHEET NO. 40 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
MECHANICAL SCHEDULES

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-M-73-0
REV. NO. 0

IN CHARGE OF JW
CHECKED BY RG
MADE BY AMB



NOTES:

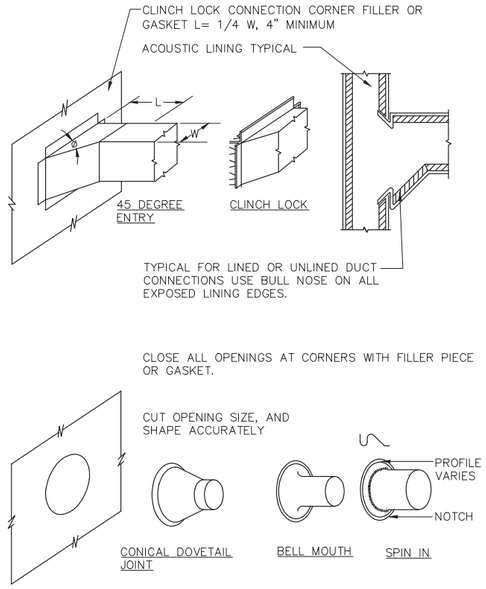
1.) LIQUID AND SUCTION LINES MAY BE ROUTED TOGETHER FOR CONVENIENCE, BUT MUST BE COMPLETELY INSULATED FROM EACH OTHER. DO NOT SOLDER LIQUID AND SUCTION LINES TOGETHER. DO NOT ALLOW METAL TO METAL CONTACT.

2.) LINES SHOULD BE INSTALLED WITH AS FEW BENDS AS POSSIBLE, ALLOWING SERVICE ACCESS TO THE INDOOR COIL.

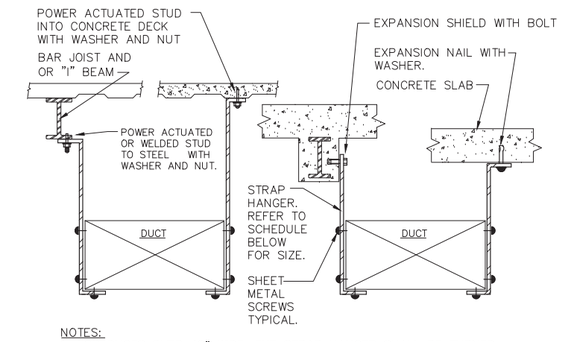
3.) USE LONG RADIUS ELBOWS WHEREVER POSSIBLE, EXCEPT IN OIL RETURN TRAPS, WHERE SHORT RADIUS ELBOWS SHOULD BE USED.

4.) SLOPE HORIZONTAL SUCTION LINES 1 INCH EVERY 20 FEET TOWARD THE OUTDOOR UNIT.

5 REFRIGERANT PIPE SUPPORT DETAIL
SCALE: NONE



3 DUCT BRANCH CONNECTION DETAIL
SCALE: NONE



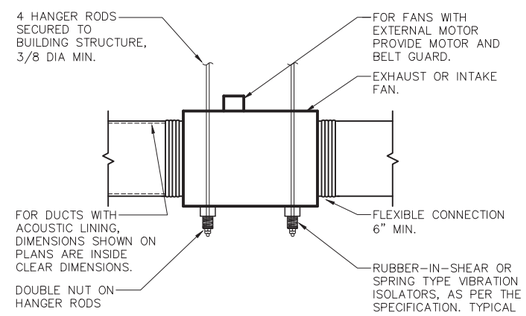
NOTES:

1. FOR DUCTS OVER 49" WIDE, THE STRAP HANGER SHALL BE TURNED UNDER THE BOTTOM OF THE DUCT.

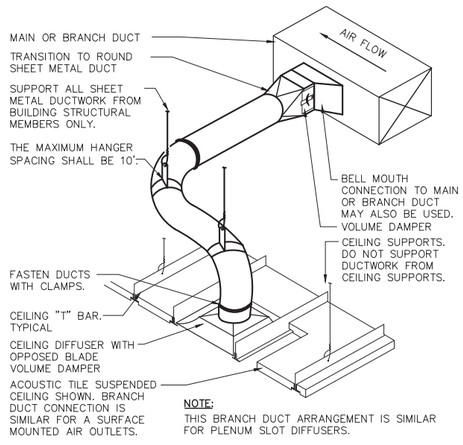
2. ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD OF STANDARD AND APPEALS, (BSA) APPROVAL.

HANGER STRAP SCHEDULE		
DUCT SIZE	HANGER SIZE	MAXIMUM SPACING
UP TO 2 SQ.FT.	1" X 1/16"	8'-0"
2 SQ.FT. TO 4 SQ.FT.	1" X 1/8"	8'-0"
4 SQ.FT. TO 10 SQ.FT.	1" X 1/8"	6'-0"
OVER 10 SQ.FT.	1" X 1/8"	4'-0"

1 DUCT HANGER DETAIL
SCALE: NONE

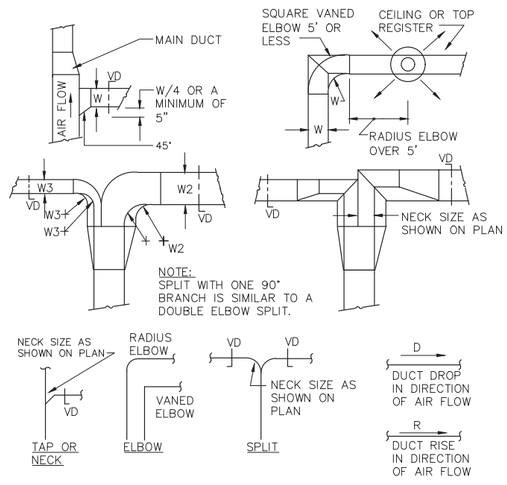


6 INLINE FAN DETAIL
SCALE: NONE



NOTE:
THIS BRANCH DUCT ARRANGEMENT IS SIMILAR FOR PLENUM SLOT DIFFUSERS.

4 FLEXIBLE DUCT CONNECTION DETAIL
SCALE: NONE



NOTES:
1.) SINGLE LINE REPRESENTATIONS REFER TO DOUBLE LINE DETAILS.
2.) USE RADIUS OR SQUARE VANED BENDS FOR BOTH ELBOWS AND SPLITS AS DETERMINED BY SPACE LIMITATIONS, AND THE DISTANCE FROM AIR OUTLETS.
3.) ALL SQUARE ELBOWS SHALL HAVE FACTORY TURNING VANES, AND MAINTAIN A CONSTANT WIDTH.
4.) WHERE DUCTS SPLIT, THE SOLID LINE REPRESENTATION IS PREFERRED, UNLESS PRECLUDED BY SPACE, OR OTHERWISE INDICATED.
5.) USE ELBOW SPLIT FOR BRANCH CONNECTIONS ONLY WHERE NECK SIZE IS GIVEN.

2 DUCT BRANCH TAKEOFF DETAIL
SCALE: NONE

IN CHARGE OF JW
CHECKED BY RG
MADE BY AMB

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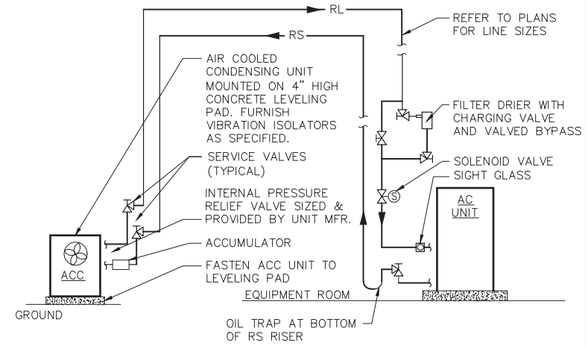
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER M-701
SHEET NO. 41 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
MECHANICAL DETAILS 1 OF 2

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-M-74-0
REV. NO. 0



NOTES:

1.) PROVIDE TRAPS AS FOLLOWS:

A. FOR RISES UP TO 50', USE 1 TRAP AT THE BOTTOM OF THE SUCTION RISER.
B. FOR RISES BETWEEN 50' AND 100', INSTALL A SECOND TRAP HALF WAY UP THE RISER.
C. FOR RISES OVER 100', INSTALL TRAPS AT 1/3 INTERVALS.

2.) REFRIGERANT PIPING SHALL BE INSTALLED SO THAT THEY WILL NOT OBSTRUCT SERVICE ACCESS TO EITHER THE INDOOR COIL OR CONDENSING UNIT, THE AIR HANDLER IN GENERAL OR THE FILTER.

3.) SLOPE HORIZONTAL SUCTION LINES APPROX. 1" EVERY 20 FEET TOWARD THE CONDENSING UNIT TO FACILITATE OIL RETURN.

4.) ALL FASTENERS AND SUPPORTS LOCATED OUTDOORS SHALL BE GALVANIZED

1 REFRIGERANT PIPING SCHEMATIC
SCALE: NONE

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☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539 | SHEET NUMBER M-702
SHEET NO. 42 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
MECHANICAL DETAILS 2 OF 2

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-M-75-0
REV. NO. 0

IN CHARGE OF JW
CHECKED BY RG
MADE BY AMB

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
———	–	CONDUIT AND WIRING
- - - - - -	–	CONDUIT & WIRING TO BE REMOVED UON
— —UG— —	–	BURIED CONDUIT
——OH——	–	OVERHEAD CONDUCTORS
	–	HOMERUN TO PANEL, ARROWS INDICATE # 1P
	–	MULTI–POLE HOMERUN
	–	ELECTRICAL EQUIPMENT AS INDICATED
	–	ELECTRICAL EQUIPMENT TO BE REMOVED UON
M	–	ELECTRIC METER
J	–	JUNCTION BOX
	–	FUSED DISCONNECT SWITCH
	–	UNFUSED DISCONNECT SWITCH
	–	COMBINATION MOTOR STARTER/FUSED DISC.
	–	MOTOR STARTER
	–	MOTOR
	–	BATTERY PACK EMERGENCY LIGHT FIXTURE
	–	EXIT LIGHT, FACES–SHADED, CHEVRON–ARROW
S_x	–	SINGLE POLE SWITCH (x – INDICATES FIXTURE BEING CONTROLLED)
S_x^3	–	THREE WAY SWITCH (x – INDICATES FIXTURE BEING CONTROLLED)
S_x^4	–	FOUR WAY SWITCH (x – INDICATES FIXTURE BEING CONTROLLED)
S_x^{DIM}	–	DIMMER SWITCH (x – INDICATES FIXTURE BEING CONTROLLED)
S_M	–	MOTOR RATED TOGGLE SWITCH
	–	WALL MOUNTED OCCUPANCY SENSOR
V	–	WALL MOUNTED VACANCY SENSOR
OC	–	CEILING MOUNTED OCCUPANCY SENSOR
	–	DUPLEX RECEPTACLE
	–	DOUBLE DUPLEX RECEPTACLE
	–	SPECIAL RECEPTACLE
F	–	FIRE ALARM MANUAL PULL STATION
F	–	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (15/75 CD – STROBE)
F 110	–	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (110 CD – STROBE)
F	–	FIRE ALARM STROBE 15/75 CD
F 110	–	FIRE ALARM STROBE 110 CD
S	–	SMOKE DETECTOR
H	–	HEAT DETECTOR
CO	–	CARBON MONOXIDE DETECTOR
SB	SB	FIRE ALARM DEVICE. SB – SOUNDER BASE FOR CARBON MONOXIDE DETECTOR
ANN	–	FIRE ALARM ANNUNCIATOR PANEL
CM	CM	FIRE ALARM CONTROL MODULE
MM	MM	FIRE ALARM MONITORING MODULE
FACP	FACP	FIRE ALARM CONTROL PANEL
BPS	BPS	BOOSTER POWER SUPPLY
R	–	FIRE ALARM RELAY
EOL	EOL	END OF LINE RESISTOR
EPO	EPO	EMERGENCY POWER OFF SWITCH
	CB	CIRCUIT BREAKER
	–	ENCLOSED CIRCUIT BREAKER

SYMBOL	ABBREVIATION	DESCRIPTION
200AS 150AF	–	FUSED SWITCH
OR	GND	GROUND AS PER LOCAL CODE
	–	GROUND BAR
OR	–	GROUND ROD
OR T	XFMR	TRANSFORMER
	CT	CURRENT TRANSFORMER
	–	UTILITY POLE
WM	WM	WATER MAIN
	NC	NORMALLY CLOSED CONTACTS
	NO	NORMALLY OPEN CONTACTS
M	MD	MOTORIZED DAMPER
	SD OR CFSD	SMOKE DAMPER
UH	UH	UNIT HEATER
	A	AMPERE(S)
	AC	AIR CONDITIONER
	ACC	AIR CONDITIONER CONDENSER
	AFF	ABOVE FINISHED FLOOR
	AF	AMPERAGE OF FUSE
	AGL	ABOVE GRADE LEVEL
	AL	ALUMINIUM
	AS	AMPERAGE OF SWITCH
	AWG	AMERICAN WIRE GAUGE
	BCW	BARE COPPER WIRE
	BLDG	BUILDING
	C	CONDUIT
	CD	CANDELA
	CKT	CIRCUIT
	CLG	CEILING
	COL	COLUMN
	CU	COPPER
	CUH	CABINET UNIT HEATER
	DEM.	DEMOLISH AND REMOVE
	DISC	DISCONNECT
	DIM	DIMMER
	DWG	DRAWING
	EMT	ELECTRICAL METALLIC TUBING
	EM	EMERGENCY
	EX.	EXISTING TO REMAIN
	F	FLOOR
	FBO	FURNISHED BY OTHERS
	GFI	GROUND FAULT INTERRUPTER
	HP	HORSEPOWER
	HVAC	HEATING VENTILATION AIR CONDITIONING
	IMC	INTERMEDIATE METAL CONDUIT
	KVA	KILO–VOLT–AMPERE
	KW	KILO–WATT
	MAX	MAXIMUM
	MCB	MAIN CIRCUIT BREAKER
	MIN	MINIMUM
	MLO	MAIN LUG ONLY
	NIC	NOT IN CONTRACT
	NTS	NOT TO SCALE
	OH	OVERHEAD
	P	POLE

SYMBOL	ABBREVIATION	DESCRIPTION
	PBO	PROVIDED BY OTHERS
	PNL	PANEL
	PT	PRESSURE TREATED
	PVC	POLY VINYL CHLORIDE
	REL.	REMOVE AND RELOCATE
	RGS	RIGID GALVANIZED STEEL
	SCH	SCHEDULE
	SW	SWITCH(ES)
	TELCO	TELEPHONE COMPANY
	TYP	TYPICAL
	UG	UNDERGROUND
	UON	UNLESS OTHERWISE NOTED
	VIF	VERIFY IN FIELD
	V	VOLT(S)
	WH	WATER HEATER
	WP	WEATHERPROOF

NOTES:
1.) ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE APPLICABLE FOR THIS PROJECT.
2.) SEE LIGHTING FIXTURE SCHEDULE FOR LIGHT FIXTURE SYMBOLS.

IN CHARGE OF JW
CHECKED BY DS
MADE BY CT

GENERAL NOTES

1.) ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).

2.) THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.

3.) THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL FEES ASSOCIATED WITH THIS WORK INCLUDING FILING WITH THE UTILITY COMPANY (AS REQUIRED), AND WITH LOCAL AUTHORITY HAVING JURISDICTION.

4.) ALL WORK INVOLVING THE ELECTRIC SERVICE SHALL BE COORDINATED AND APPROVED BY THE UTILITY COMPANY.

5.) ALL CONDUCTORS SHALL BE COPPER UON "ON DRAWINGS".

6.) ELECTRONIC FILES OF THE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS ARE AVAILABLE TO THE CONTRACTOR. THE ENGINEER MAY GRANT THE CONTRACTOR A LIMITED LICENSE TO MAKE A DERIVATIVE WORK OF THE DATABASE FOR THE PURPOSE OF SHOP DRAWINGS, SUBMITTALS AND AS–BUILT DRAWINGS. UPON REQUEST, THE ENGINEER SHALL PROVIDE A RELEASE FORM THAT MUST BE SIGNED AND RETURNED BY THE CONTRACTOR PRIOR TO RELEASE OF THE ELECTRONIC FILES.

7.) CIRCUIT NUMBERS ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN THE FIELD.

8.) CORE DRILLING OR TRENCHING THROUGH AN EXISTING FLOOR SLAB, WHEN REQUIRED, SHALL BE COORDINATED WITH THE OWNER. FLOOR SLABS SHALL BE RADAR SCANNED PRIOR TO CORE DRILLING OR TRENCHING. ALL WORK, INCLUDING CORE DRILLING, RADAR SCAN, INSTALLATION OF FIRE STOPPING, & CONDUIT/CABLE INSTALLATION SHALL BE PERFORMED DURING NON–BUSINESS HOURS AND INCLUDED IN BASE BID. USE EXTREME CAUTION DURING ANY CUTTING OPERATION TO AVOID DAMAGE TO EXISTING EQUIPMENT/SYSTEMS. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED AT NO COST TO THE CLIENT. ALL CORES SHALL BE FIRE SEALED.

9.) FOR EACH WALL MOUNTED COMMUNICATIONS OUTLET, PROVIDE A 1900 JUNCTION BOX WITH AN EXTENDER COLLAR AND 1 INCH CONDUIT WITH DRAGLINE 6 INCHES ABOVE ACCESSIBLE CEILING FOR INSTALLATION OF CABLE BY OTHERS.

10.) COMMUNICATION WIRING BY OTHERS. COORDINATE COMMUNICATION JACKS WITH REPRESENTATIVE, TYPICAL.

11.) WHERE GFI RECEPTACLES ARE CIRCUITED WITH GENERAL CONVENIENCE RECEPTACLES, THE GFI RECEPTACLE SHALL BE THE LAST DEVICE ON THE CIRCUIT.

12.) INSTALL CONDUIT EXPANSION FITTINGS AT ALL LOCATIONS WHERE CONDUITS CROSS BUILDING OR STRUCTURE EXPANSION JOINTS.

13.) UNLESS OTHERWISE NOTED, DISCONNECT SWITCHES, STARTERS, HOAS AND MOTOR RATED TOGGLE SWITCHES FOR MECHANICAL PUMPS, CABINET AND UNIT HEATERS, RETURN FANS, ROOF FANS, VAV BOXES, COMPRESSORS, FAN COIL UNITS, AIR HANDLERS AND CONDENSERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.

14.) DISCONNECT SWITCHES FOR MOTORIZED DAMPERS, CFSD/SD AND VAV BOXES SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. SWITCHES NOT SHOWN ON PLANS.

15.) INCLUDE IN BASE BID (2) 1P–20A CIRCUITS ON EACH AREA LISTED (150' LENGTH EACH) FOR HVAC SYSTEM CONTROL PANELS. EXACT LOCATION OF CONTROL PANELS SHALL BE COORDINATED WITH DIVISION 15 IN THE FIELD. CIRCUITS SHALL ORIGINATE FROM THE FOLLOWING PANELBOARDS:

CLUBHOUSE RESTROOMS/STORAGE – PPCH1–19,21
GOLF CART STORAGE SHED – PPCS–29,31

16.) THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE DEMOLITION AND INSTALLATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO PANELBOARDS, CONDUITS, WIRING, DEVICES, FIXTURES, ETC. INCLUDING ABOVE CEILINGS. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH WALLS, AS REQUIRED TO EXECUTE THE ELECTRICAL WORK.

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☐ AS BUILT – NO CHANGES

CONTRACTOR
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SIGNATURE
TITLE DATE

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NAME
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TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-001
SHEET NO. 43 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
ELEC. SYMBOLS, ABBREVIATIONS & NOTES

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-E-76-0
REV. NO. 0

DEFINITION OF TERMS

1.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "CLIENT" IS USED, IT MUST BE UNDERSTOOD THAT "WESTCHESTER COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION " IS INTENDED.

2.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ARCHITECT" IS USED, IT MUST BE UNDERSTOOD THAT "BUSING ASSOCIATES ARCHITECTS, LLP" IS INTENDED.

3.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.

4.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "ELECTRICAL UTILITY" OR "POWER COMPANY" ARE USED, IT MUST BE UNDERSTOOD THAT "CON EDISON" IS INTENDED. CON EDISON CASE #MC-512542, REPRESENTATIVE JENNIFER O'KEEFE.

5.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "TELEPHONE UTILITY" OR "TELCO" ARE USED, IT MUST BE UNDERSTOOD THAT "VERIZON" IS INTENDED.

6.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "FIRE ALARM SYSTEM" OR "FIRE ALARM VENDOR" ARE USED, IT MUST BE UNDERSTOOD THAT "OPEN SYSTEMS" IS INTENDED.

7.) "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.

8.) "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE JOB SITE.

9.) "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC., CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.

10.) "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT, ETC. AS DEFINED ABOVE.

11.) THE FOLLOWING ARE DEFINITIONS OF SHOP DRAWING STAMP ACTIONS:

A.) "NO EXCEPTIONS TAKEN" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY COMMENCE.

B.) "MAKE CORRECTIONS NOTED" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, SUBJECT TO AND IN COMPLIANCE WITH THE ANNOTATIONS AND/OR CORRECTIONS INDICATED ON THE SHOP DRAWING. FABRICATION AND/OR PURCHASE MAY COMMENCE.

C.) "AMEND AND RESUBMIT" MEANS THAT THE COMMENTS AND/OR CORRECTION ARE SO EXTENSIVE AND IMPORTANT THAT THE REVIEWER WANTS TO SEE HOW THE COMMENTS AND/OR CORRECTIONS ARE RESOLVED PRIOR TO RELEASE FOR FABRICATION AND/OR PURCHASE. FABRICATIONS AND/OR PURCHASE MAY NOT COMMENCE.

D.) "REJECTED" MEANS THAT THE SHOP DRAWING DOES NOT COMPLY OR CONFORM TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY NOT COMMENCE.

TRENCHING NOTES

1.) CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES THAT ARE NOT PART OF N.Y. STATE "CODE 753" PRIOR TO DIGGING.

2.) ALL EXCAVATING IN THE AREA OF THE EXISTING UNDERGROUND EQUIPMENT, PIPES AND CONDUITS SHALL BE PERFORMED BY HAND.

3.) ANY AREA/PLANTS OR LANDSCAPING OR PAVEMENTS DISTURBED DURING THE EXCAVATION SHALL BE RESTORED OR REPLACED TO MATCH EXISTING CONDITIONS BY THE CONTRACTOR AT NO COST TO THE OWNER.

4.) ANY EXISTING BURIED CONDUITS, DRAINAGE, SPRINKLER PIPING, ETC. THAT IS DISTURBED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.

5.) THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL 1-800-962-7962 (NY STATE).

DEMOLITION NOTES

1.) ALL EQUIPMENT SHALL BE DISCONNECTED AND REMOVED BACK TO POWER SOURCE ORIGINATION UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).

2.) CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID INCLUDING ALL TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMODATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE TO DEVICES AND SYSTEMS TO REMAIN, TEMPORARY AND PERMANENTLY. WORK REQUIRING THE SHUT-DOWN OF THE BUILDING POWER SHALL BE PERFORMED DURING OVERTIME AND SHALL BE INCLUDED IN BASE BID.

3.) CIRCUIT BREAKER, CONDUIT AND CONDUCTOR SIZES INDICATED SHALL BE FIELD VERIFIED PRIOR TO BID.

4.) ALL EXISTING ELECTRICAL EQUIPMENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHES, MOTOR CONTROLLERS, MOTOR STARTER PANELS, ETC. SHALL BE REMOVED UON.

5.) ALL DISCONNECTED & REMOVED EXISTING ELECTRICAL ITEMS THAT ARE NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.

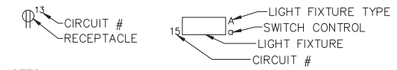
6.) THE CONTRACTOR SHALL INCLUDE IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS, REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING SO AS TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES.

TYPICAL BRANCH CIRCUIT WIRING LEGEND

2-#12 & 1-#12 GND (1-1P-20A OR 1-1P-15A CB)

3-#12 & 1-#12 GND (3P-20A OR 3P-15A CB)

2-#12 & 1-#12 GND (2P-20A OR 2P-15A CB)



NOTES:
1.) EACH 120V AND 277V CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. SHARED NEUTRAL HOMERUNS ARE NOT PERMITTED.
2.) CONDUCTORS SHALL BE INCREASED FOR VOLTAGE DROP AND DERATING AS PER APPLICABLE ELECTRICAL CODE. FOR CIRCUITS THAT ARE BETWEEN 100' AND 150' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #10 AWG. FOR CIRCUITS THAT ARE BETWEEN 150' AND 225' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #8 AWG. FOR LENGTHS GREATER THAN 225' IN LENGTH, VERIFY CONDUCTOR SIZES WITH ENGINEER.

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

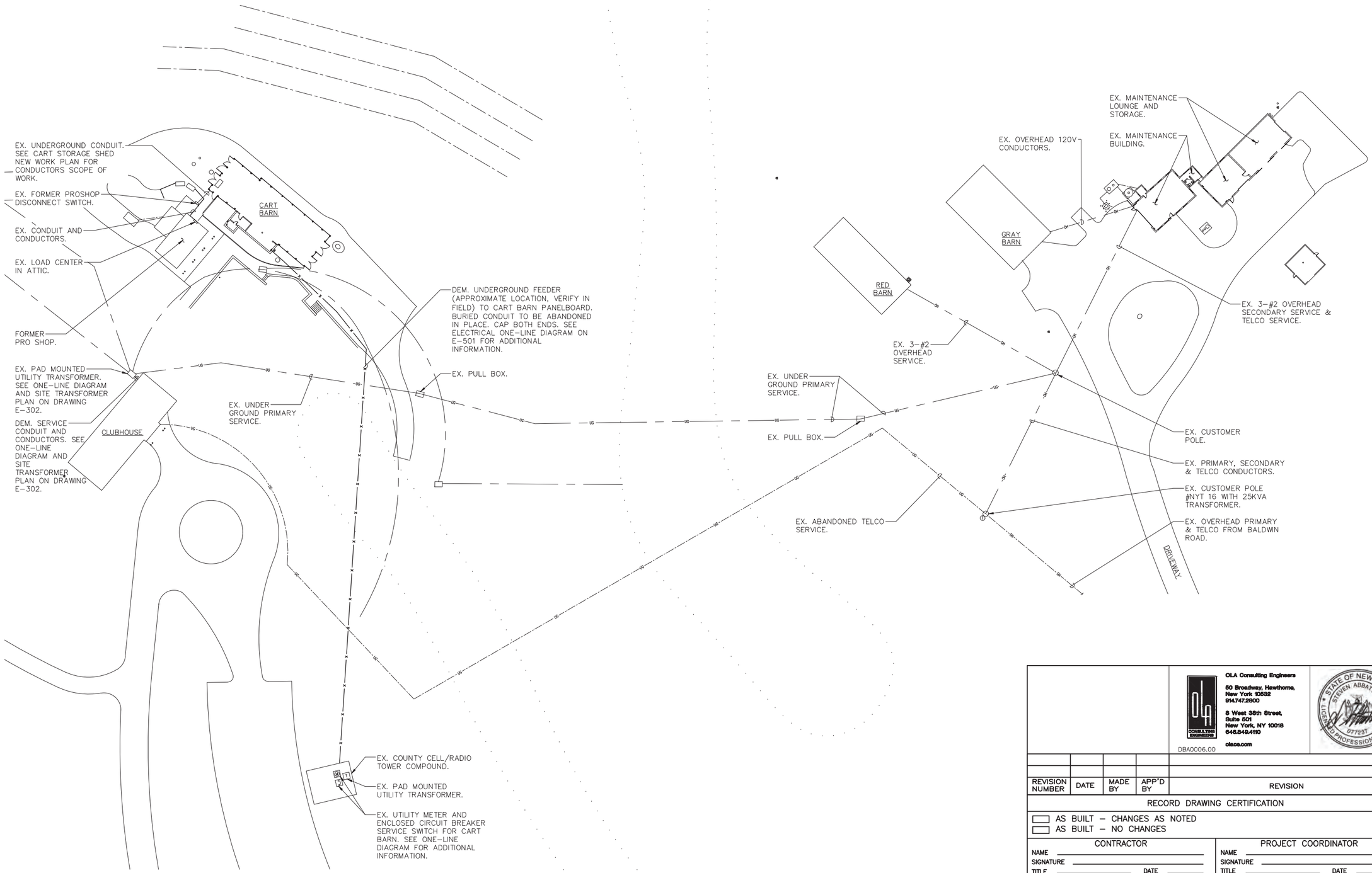
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-002
SHEET NO. 44 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
ELECTRICAL NOTES

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-E-77-0
REV. NO. 0

IN CHARGE OF JW
CHECKED BY DS
MADE BY CT



1 ELECTRICAL SITE DEMOLITION PLAN
SCALE: 1" = 32'-0"

NOTES:

1.) PRIMARY SERVICE – 2,400V, 1ø.
2.) SECONDARY SERVICES – 120/240V, 1ø, 3W.

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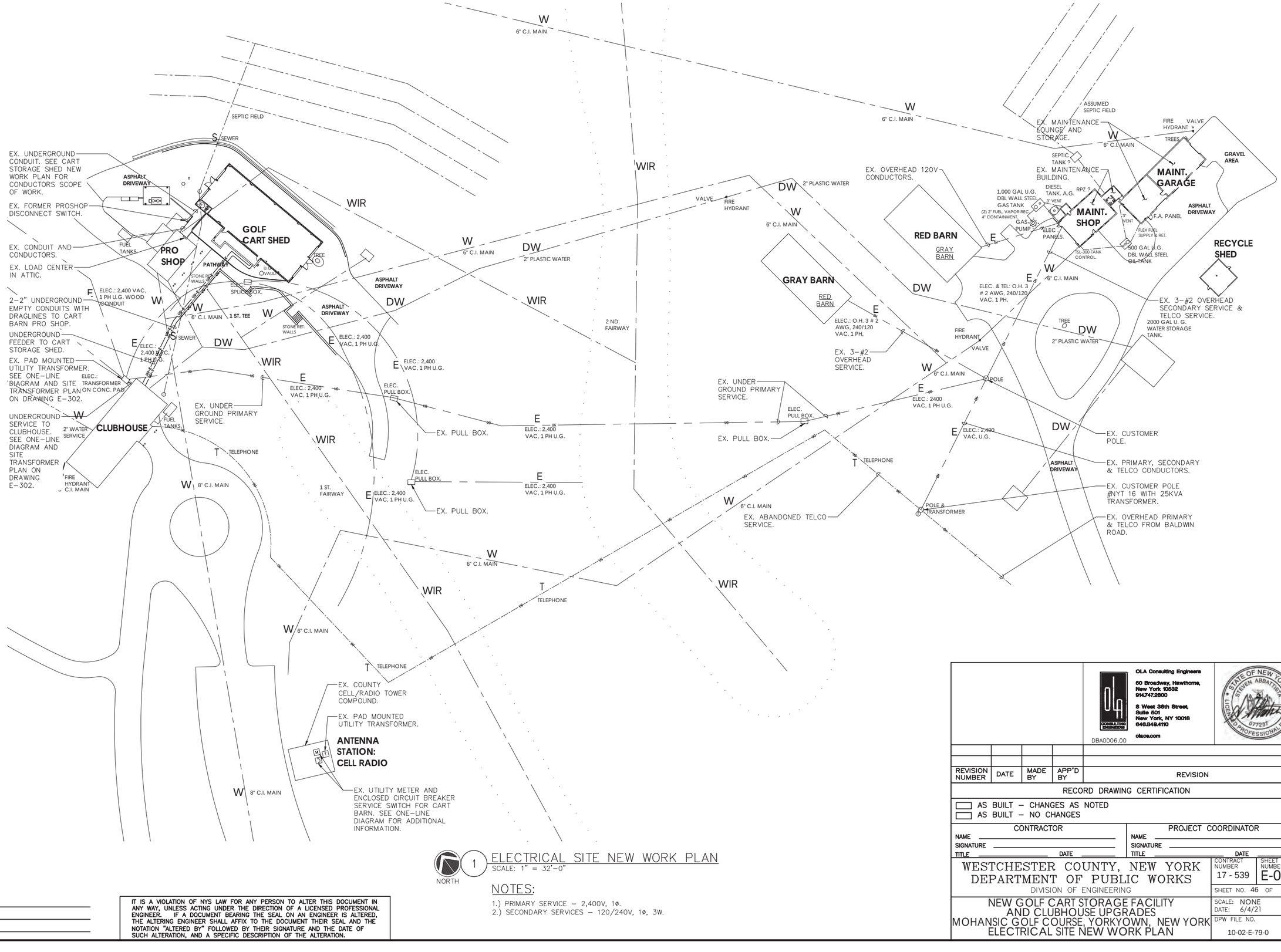
CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-010
SHEET NO. 45 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
ELECTRICAL SITE DEMOLITION PLAN

SCALE: AS NOTED
DATE: 6/4/21
DPW FILE NO. 10-02-E-78-0
REV. NO. 0



1 ELECTRICAL SITE NEW WORK PLAN
SCALE: 1" = 32'-0"

NORTH

NOTES:

1.) PRIMARY SERVICE – 2,400V, 1ø.
2.) SECONDARY SERVICES – 120/240V, 1ø, 3W.

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CONTRACTOR
NAME
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TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

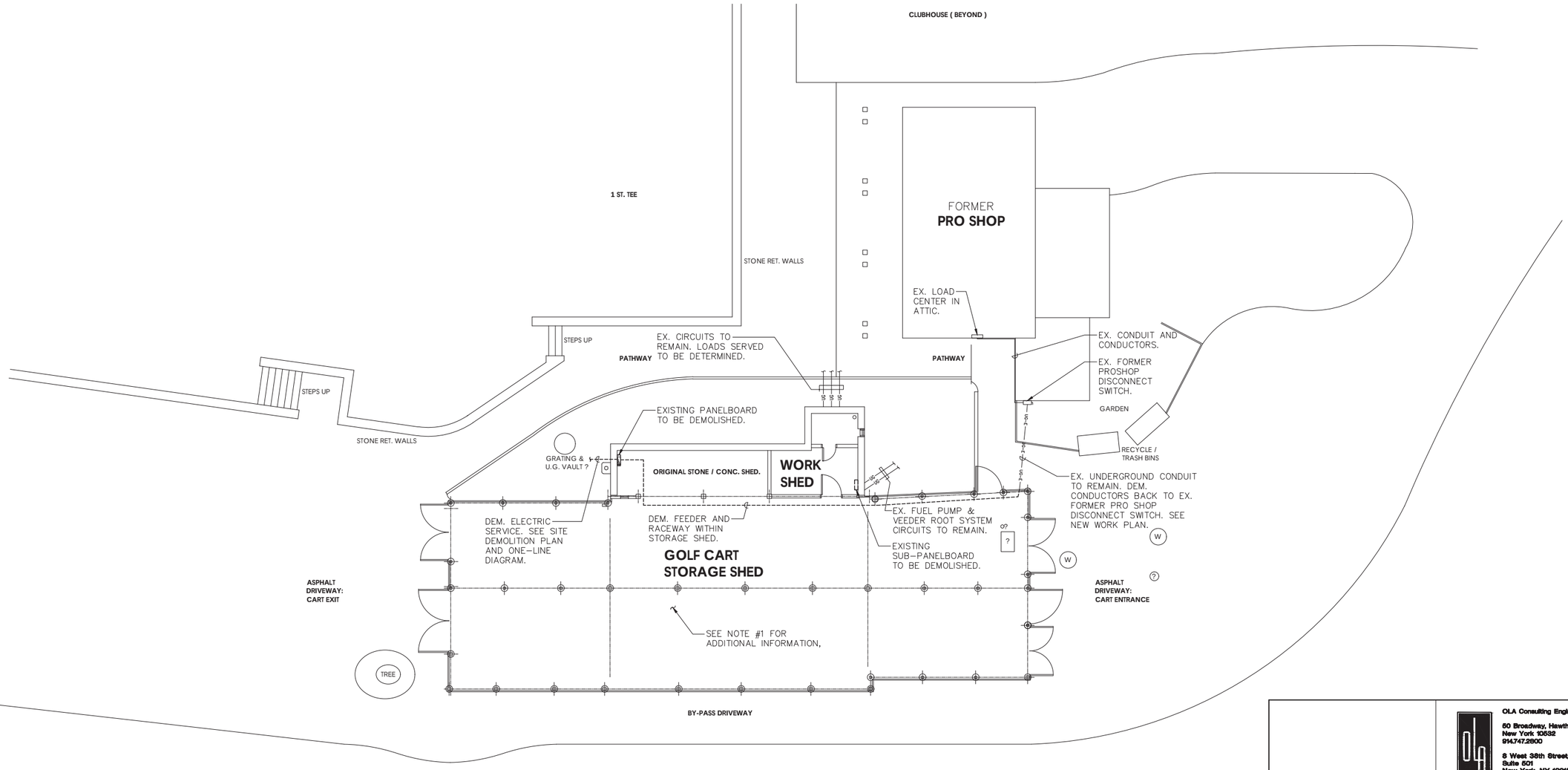
CONTRACT NUMBER 17 - 539
SHEET NUMBER E-020
SHEET NO. 46 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
ELECTRICAL SITE NEW WORK PLAN

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-E-79-0
REV. NO. 0

NOTES:

1.) DEMOLISH ALL LIGHTING FIXTURES, LIGHT SWITCHES, SECURITY EQUIPMENT, RECEPTACLES AND CIRCUITRY BACK PANELBOARDS.



CART STORAGE SHED ELECTRICAL DEMOLITION PLAN

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

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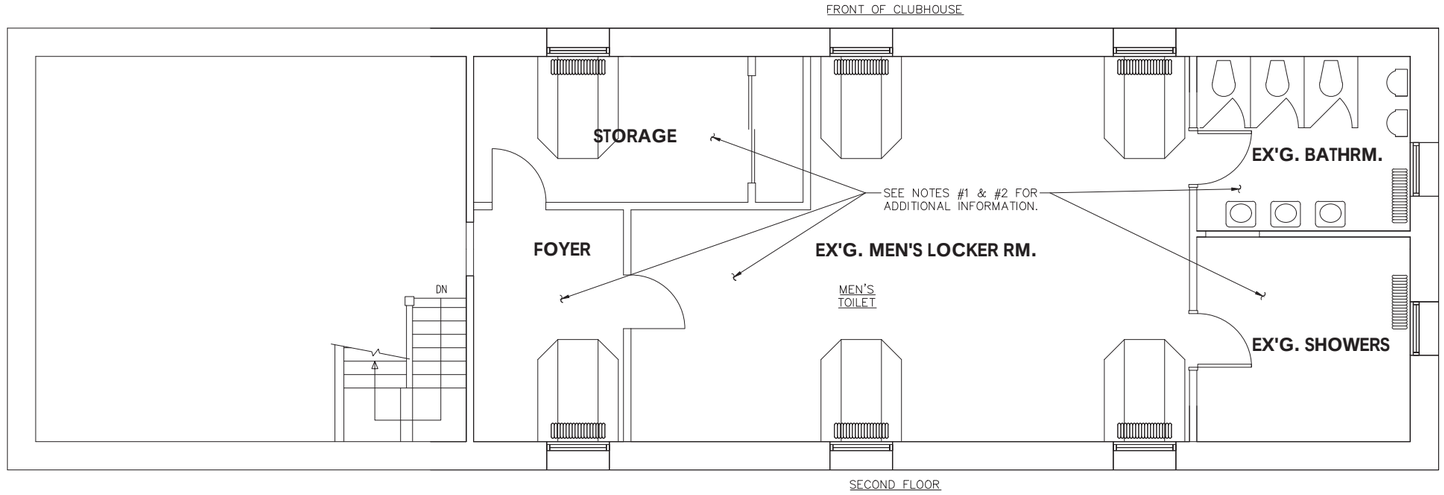
CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-101
SHEET NO. 47 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CART STORAGE SHED ELEC. DEMOLITION PLAN

SCALE: 1/8" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-E-80-0
REV. NO. 0



NORTH

2

CLUBHOUSE BATHROOMS & LOCKERS ELECTRICAL DEMOLITION PLAN

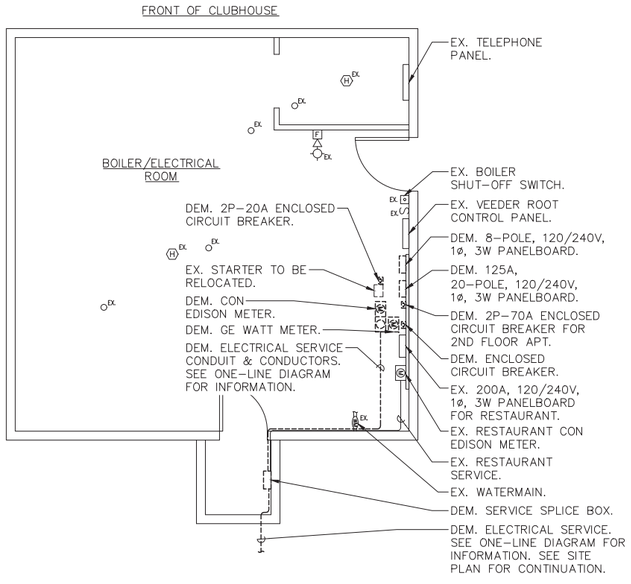
SCALE: 1/4" = 1'-0"

NOTES:

1.) DEMOLISH ALL LIGHTING FIXTURES, LIGHT SWITCHES, EXIT SIGNS, CEILING FANS, HAND DRYERS, EMERGENCY LIGHTS, AUTOMATIC FLUSH VALVES, SECURITY EQUIPMENT, RECEPTACLES AND CIRCUITRY BACK TO SOURCE.

2.) DEMOLISH ALL FIRE ALARM DEVICES. EXISTING FIRE ALARM CIRCUITS TO BE RE-UTILIZED.

3.) SEE DRAWING E-302 FOR DEMOLITION AND NEW WORK SITE PLAN FOR CLUBHOUSE UTILITY TRANSFORMER.



NORTH

1

CLUBHOUSE BASEMENT ELECTRICAL ROOM DEMOLITION PLAN

SCALE: 1/4" = 1'-0"

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WESTCHESTER COUNTY, NEW YORK
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DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-102
SHEET NO. 48 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CLUBHOUSE BATHRMS & LOCKERS ELEC. DEMOLITION PLAN

SCALE: 1/4" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-E-81-0
REV. NO. 0

LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING

I. FUNCTIONAL TESTING

PRIOR TO PASSING FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE EVIDENCE TO THE BUILDING OWNER AND THE ENGINEER THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S DOCUMENTS. FUNCTIONAL TESTING, FOR THE APPLICABLE CONTROL TYPE, SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

1. OCCUPANT SENSOR CONTROLS

WHERE OCCUPANT SENSOR CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

A. CERTIFY THAT THE OCCUPANT SENSOR HAS BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
B. FOR PROJECTS WITH SEVEN OF FEWER OCCUPANT SENSORS, EACH SENSOR SHALL BE TESTED.
C. FOR PROJECTS WITH MORE THAN SEVEN OCCUPANT SENSORS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY ARE PROVIDED, NOT LESS THAN 10 PERCENT, BUT IN NO CASE LESS THAN ONE, OF EACH COMBINATION SHALL BE TESTED UNLESS THE BUILDING OFFICIAL OR DESIGN PROFESSIONAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE OF THE TESTED CONTROLS FAIL, ALL REMAINING IDENTICAL COMBINATIONS SHALL BE TESTED.

FOR OCCUPANT SENSOR CONTROLS TO BE TESTED, VERIFY THE FOLLOWING:
i. WHERE OCCUPANT SENSOR CONTROLS INCLUDE STATUS INDICATORS, VERIFY CORRECT OPERATION.
ii. THE CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN THE REQUIRED TIME.
iii. FOR AUTO-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WHEN AN OCCUPANT ENTERS THE SPACE.
iv. FOR MANUAL-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED.
v. THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN ADJACENT AREAS OR BY HVAC OPERATION.

2. TIME-SWITCH CONTROLS

WHERE TIME-SWITCH CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

A. CONFIRM THAT THE TIME-SWITCH CONTROL IS PROGRAMMED WITH ACCURATE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES.
B. PROVIDE DOCUMENTATION TO THE OWNER OF TIME-SWITCH CONTROLS PROGRAMMING INCLUDING WEEKDAY, WEEKEND, HOLIDAY SCHEDULES, AND SET-UP AND PREFERENCE PROGRAM SETTINGS.
C. VERIFY THE CORRECT TIME AND DATE IN THE TIME SWITCH.
D. VERIFY THAT ANY BATTERY BACK-UP IS INSTALLED AND ENERGIZED.
E. VERIFY THAT THE OVERRIDE TIME LIMIT IS SET TO NOT MORE THAN 2 HOURS.
F. SIMULATE OCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
i. ALL LIGHTS CAN BE TURNED ON AND OFF BY THEIR RESPECTIVE AREA CONTROL SWITCH.
ii. THE SWITCH ONLY OPERATES LIGHTING IN THE ENCLOSED SPACE IN WHICH THE SWITCH IS LOCATED.
G. SIMULATE UNOCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
i. NONEXEMPT LIGHTING TURNS OFF.
ii. MANUAL OVERRIDE SWITCH ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SPACE WHERE THE OVERRIDE SWITCH IS LOCATED TO TURN ON OR REMAIN ON UNTIL THE NEXT SCHEDULED SHUTOFF OCCURS.

3. DAYLIGHT RESPONSIVE CONTROLS

WHERE DAYLIGHT RESPONSIVE CONTROLS ARE PROVIDED, THE FOLLOWING SHALL BE VERIFIED:

A. CONTROL DEVICES HAVE BEEN PROPERLY LOCATED, FIELD CALIBRATED AND SET FOR ACCURATE SET POINTS AND THRESHOLD LIGHT LEVELS.
B. DAYLIGHT CONTROLLED LIGHTING LOADS ADJUST TO LIGHT LEVEL SET POINTS IN RESPONSE TO AVAILABLE DAYLIGHT.
C. THE CALIBRATION ADJUSTMENT EQUIPMENT IS LOCATED FOR READILY ACCESS ONLY BY AUTHORIZED PERSONNEL.

II. DOCUMENTATION REQUIREMENTS

THE DOCUMENTS DESCRIBED IN THIS SECTION SHALL BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 60 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

A. DRAWINGS:
i. AS-BUILT CONSTRUCTION DOCUMENTS, SHOWING THE LOCATION AND CATALOG NUMBER OF EACH PIECE OF EQUIPMENT.
B. MANUALS: AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE THE FOLLOWING:
i. NAME AND ADDRESS OF NOT LESS THAN ONE SERVICE AGENCY FOR INSTALLED EQUIPMENT.
ii. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SET POINTS.
iii. SUBMITTAL DATA INDICATING ALL SELECTED OPTIONS FOR EACH PIECE OF LIGHTING EQUIPMENT AND LIGHTING CONTROLS.
iii. OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF LIGHTING EQUIPMENT. REQUIRED ROUTINE MAINTENANCE ACTIONS, CLEANING AND RECOMMENDED RELAMPING SHALL BE CLEARLY IDENTIFIED.
iv. A SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS.
C. REPORT: A REPORT OF TEST RESULTS SHALL BE PROVIDED AND INCLUDE THE FOLLOWING.
i. RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
ii. DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.

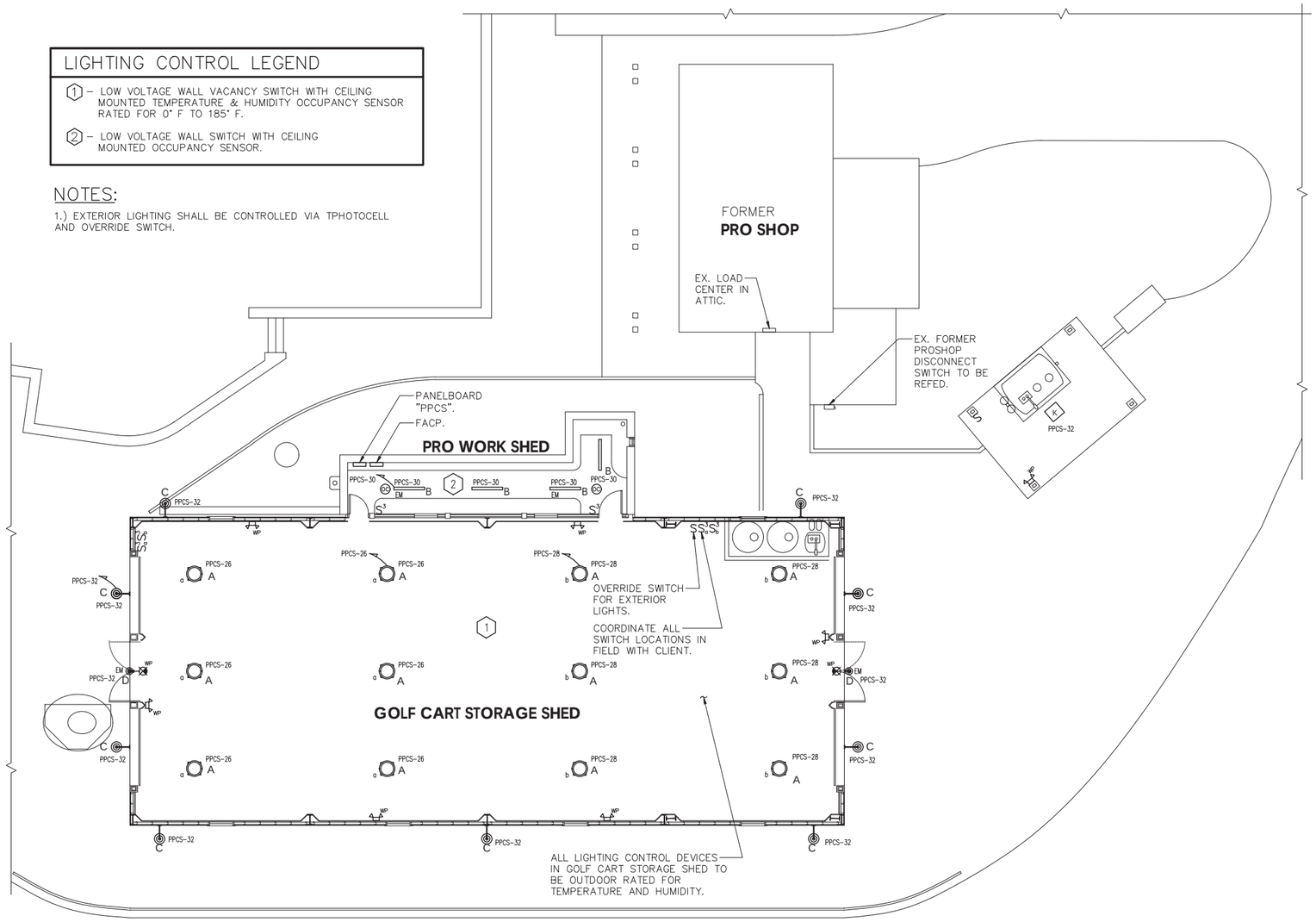
LIGHTING CONTROL LEGEND

(1) – LOW VOLTAGE WALL VACANCY SWITCH WITH CEILING MOUNTED TEMPERATURE & HUMIDITY OCCUPANCY SENSOR RATED FOR 0° F TO 185° F.

(2) – LOW VOLTAGE WALL SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR.

NOTES:

1.) EXTERIOR LIGHTING SHALL BE CONTROLLED VIA TPHOTOCELL AND OVERRIDE SWITCH.



NORTH

1 CART STORAGE SHED ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"

DESIGN INTENT – LIGHTING CONTROL SYSTEM

1.) LIGHTING CONTROL SYSTEM IS BASED ON N-LIGHT BY SENSOR SWITCH (KAREN BLACKMAN (212) 462-0088 x5237) OR APPROVED EQUAL. (OTHER ACCEPTABLE MANUFACTURERS ARE LUTRON & COOPER LIGHTING.)

2.) LIGHTING CONTROL COMPONENTS SHOWN ARE FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY COMPONENTS, WIRING (LINE AND LOW VOLTAGE) AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM.

3.) THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROLS WITH LIGHT FIXTURES.

4.) ALL LIGHT FIXTURE AND LIGHTING CONTROL SUBMITTALS SHALL BE SUBMITTED AT THE SAME TIME FOR APPROVAL.

IN CHARGE OF JW
CHECKED BY DS
MADE BY CT

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
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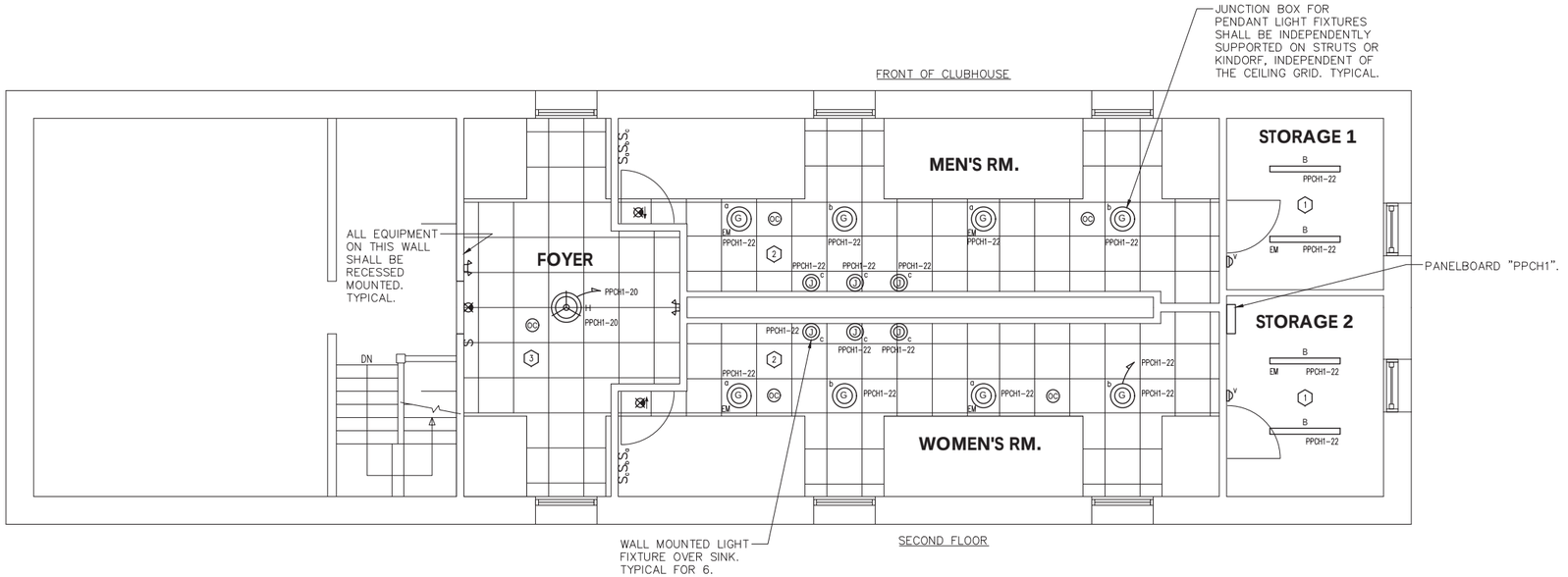
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-201
SHEET NO. 49 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
CART STORAGE SHED ELEC. LIGHTING PLAN

SCALE: 1/8" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-E-82-0
REV. NO. 0



CLUBHOUSE BATHROOMS & LOCKERS ELECTRICAL LIGHTING PLAN

SCALE: 1/4" = 1'-0"

LIGHTING CONTROL LEGEND
(1) – WALL SWITCH VACANCY SENSOR.
(2) – LOW VOLTAGE WALL SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR.
(3) – TIME CLOCK W/OCCUPANCY SENSOR CONTROL AFTER HOURS.

NOTES:

1.) REFER TO DESIGN INTENT – LIGHTING CONTROL SYSTEM AND LIGHTING SYSTEM FUNCTIONALITY TESTING/COMMISSIONING ON DRAWING E–201.

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STATE OF NEW YORK · STEVEN ABBATISTA · 077237 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
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CONTRACTOR
NAME
SIGNATURE
TITLE DATE

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NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-202
SHEET NO. 50 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
BATHRMS & LOCKERS ELEC. LIGHTING PLAN

SCALE: 1/4" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-E-83-0
REV. NO. 0

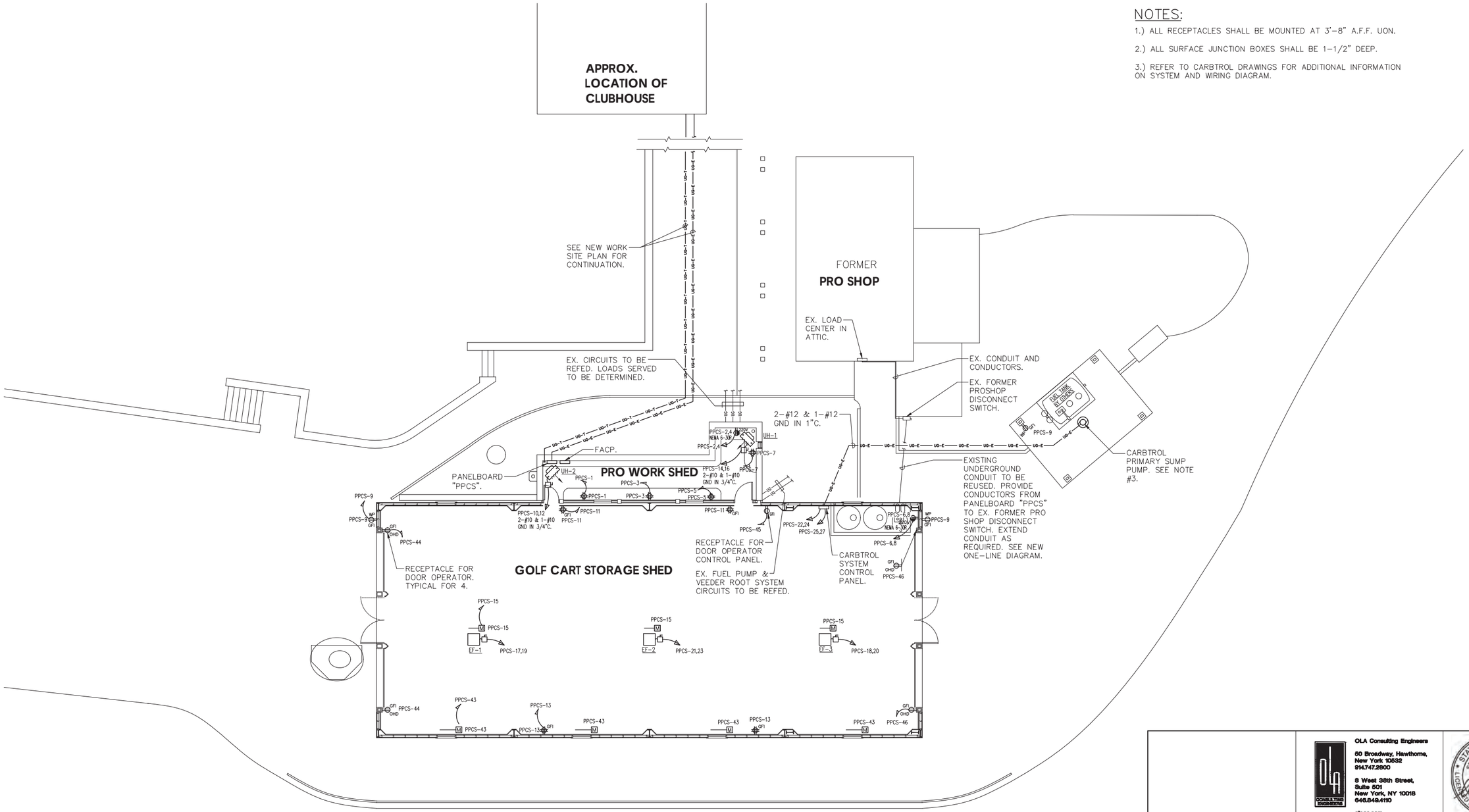
IN CHARGE OF JW
CHECKED BY DS
MADE BY CT

NOTES:

1.) ALL RECEPTACLES SHALL BE MOUNTED AT 3'-8" A.F.F. UON.

2.) ALL SURFACE JUNCTION BOXES SHALL BE 1-1/2" DEEP.

3.) REFER TO CARBTROL DRAWINGS FOR ADDITIONAL INFORMATION ON SYSTEM AND WIRING DIAGRAM.



CART STORAGE SHED
ELECTRICAL NEW WORK PLAN

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

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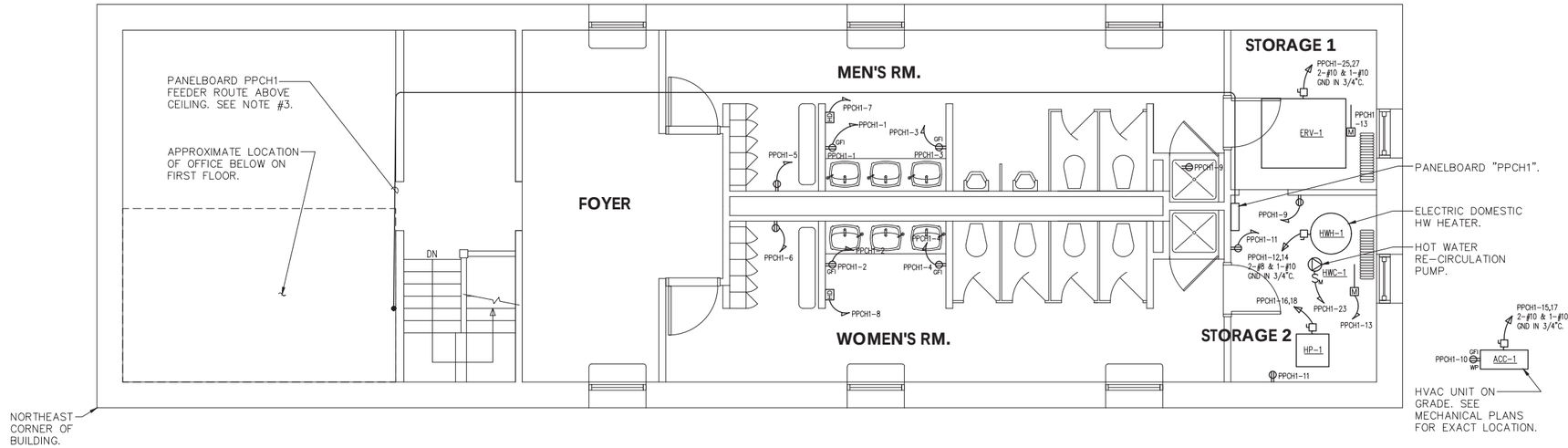
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-301
SHEET NO. 51 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CART STORAGE SHED ELEC. NEW WORK PLAN

SCALE: 1/8" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-E-84-0
REV. NO. 0



CLUBHOUSE BATHROOMS & LOCKERS ELECTRICAL NEW WORK PLAN

NORTH

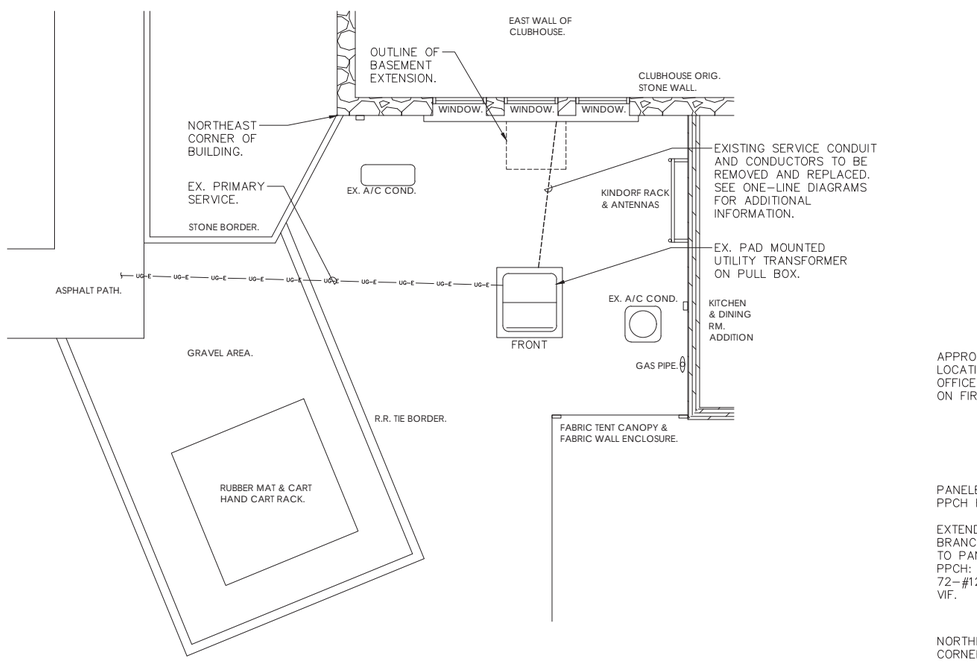
SCALE: 1/4" = 1'-0"

NOTES:

1.) ALL RECEPTACLES SHALL BE MOUNTED AT 3'-8" A.F.F.

2.) ALL SURFACE JUNCTION BOXES SHALL BE 1-1/2" DEEP.

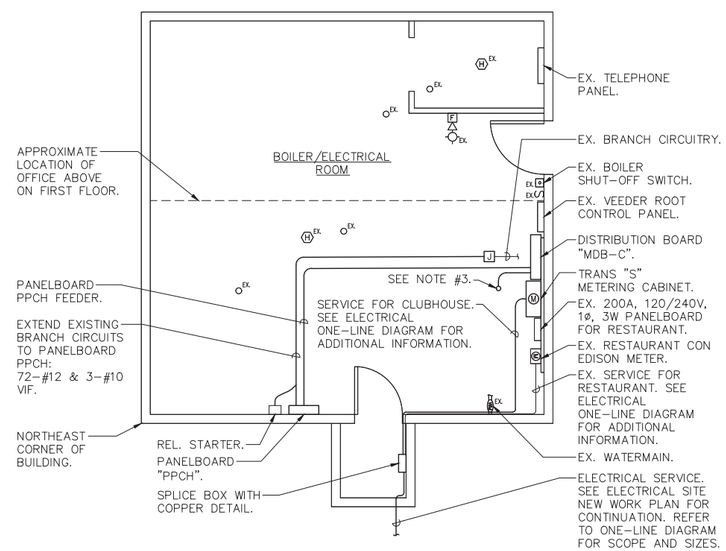
3.) ROUTE FEEDER CONDUIT FOR PANELBOARD "PPCH1" UP FROM BASEMENT ALONG WALL OF OFFICE ABOVE TO SECOND FLOOR LEVEL. COORDINATE EXACT RISER LOCATION AND CONDUIT ROUTE IN THE FIELD WITH ARCHITECT.



ELECTRICAL SITE TRANSFORMER PART PLAN

NORTH

SCALE: 1/4" = 1'-0"



CLUBHOUSE BASEMENT ELECTRICAL ROOM NEW WORK PLAN

NORTH

SCALE: 1/4" = 1'-0"

FINAL ELECTRICAL SERVICE LAYOUT AND UTILITY TRANSFORMER SCOPE OF WORK IS PENDING CON EDISON APPROVAL.

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TITLE DATE

WESTCHESTER COUNTY, NEW YORK
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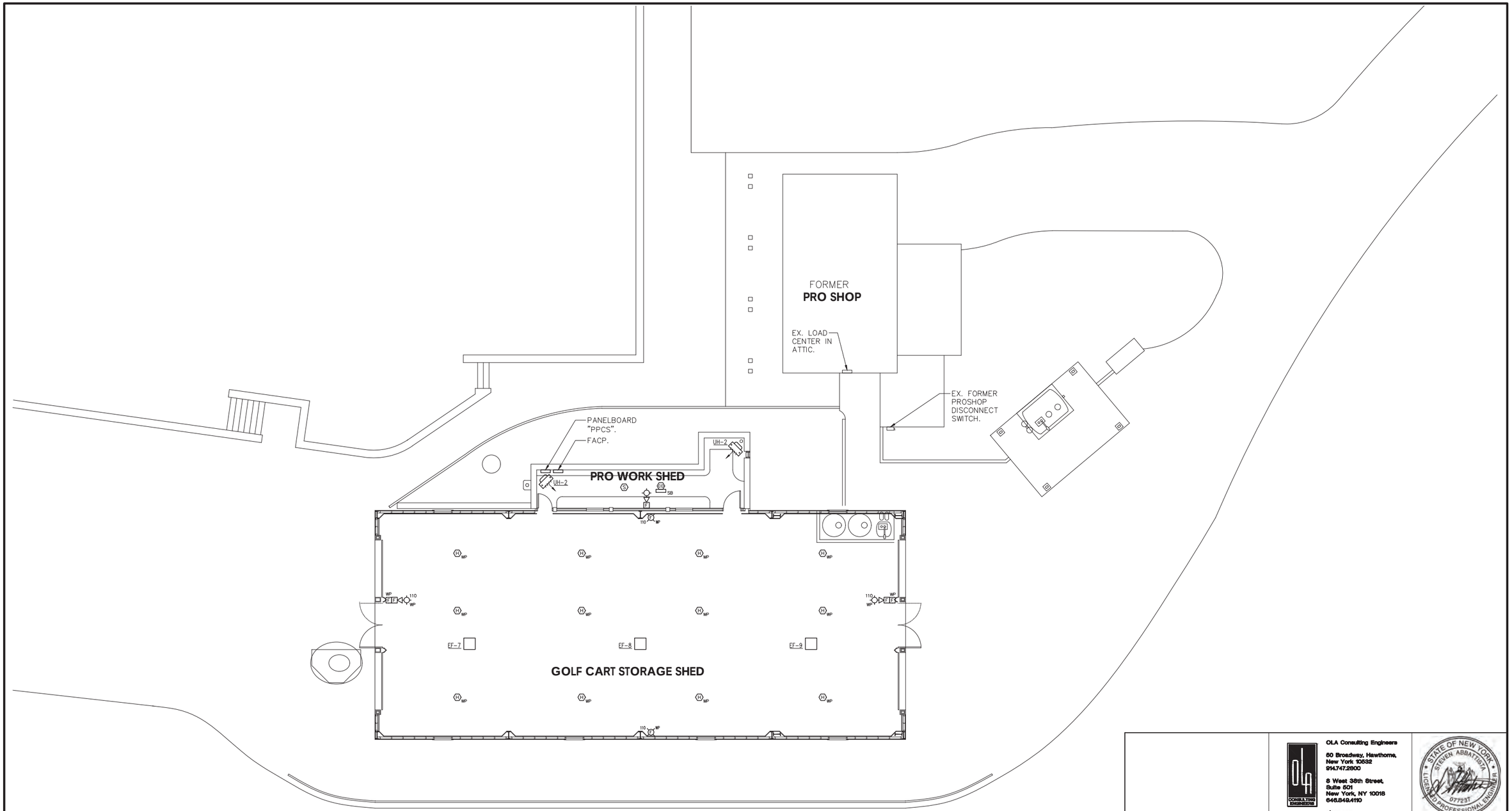
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-302
SHEET NO. 52 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
BATHRMS & LOCKERS ELEC. NEW WORK PLAN

SCALE: 1/4" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-E-85-0
REV. NO. 0



1 CART STORAGE SHED
FIRE ALARM NEW WORK PLAN
SCALE: 1/8" = 1'-0"

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WESTCHESTER COUNTY, NEW YORK
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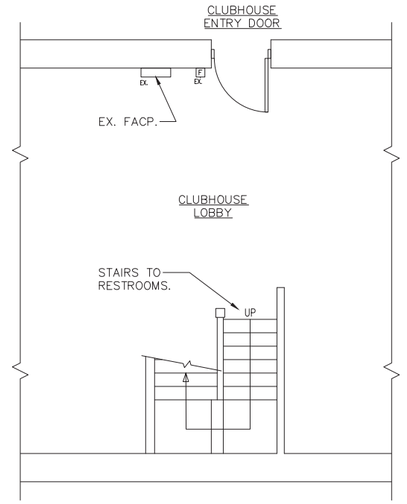
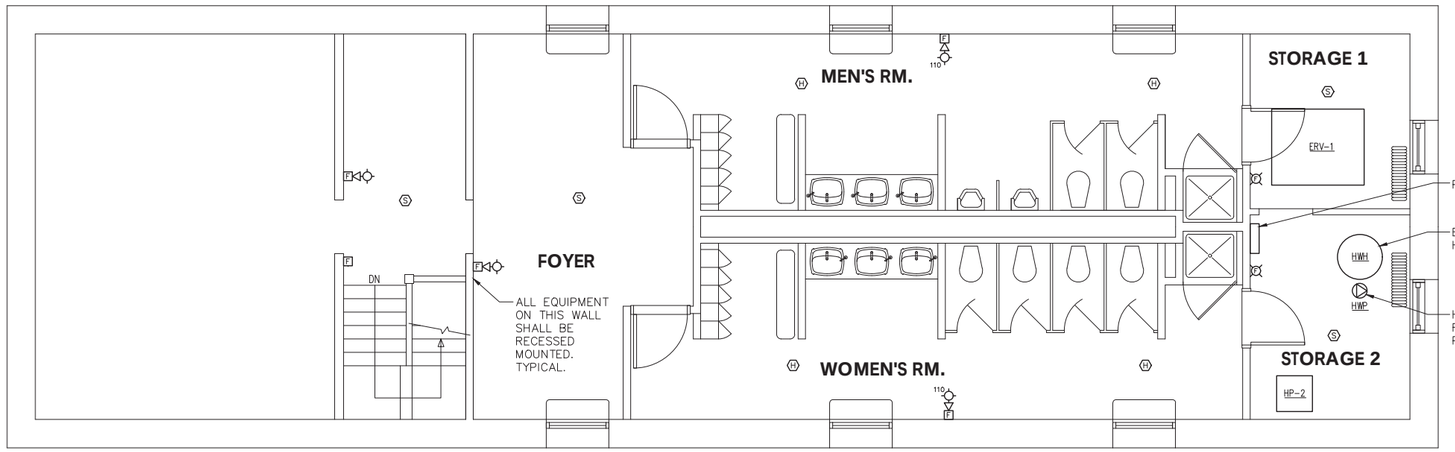
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-401
SHEET NO. 53 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
CART STORAGE SHED FIRE ALARM NEW WORK PLAN

SCALE: 1/8" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-E-86-0
REV. NO. 0





CLUBHOUSE GROUND FLOOR
FIRE ALARM PART PLAN
SCALE: 1/4" = 1'-0"
NORTH

CLUBHOUSE BATHROOMS & LOCKERS
FIRE ALARM NEW WORK PLAN
SCALE: 1/4" = 1'-0"
NORTH

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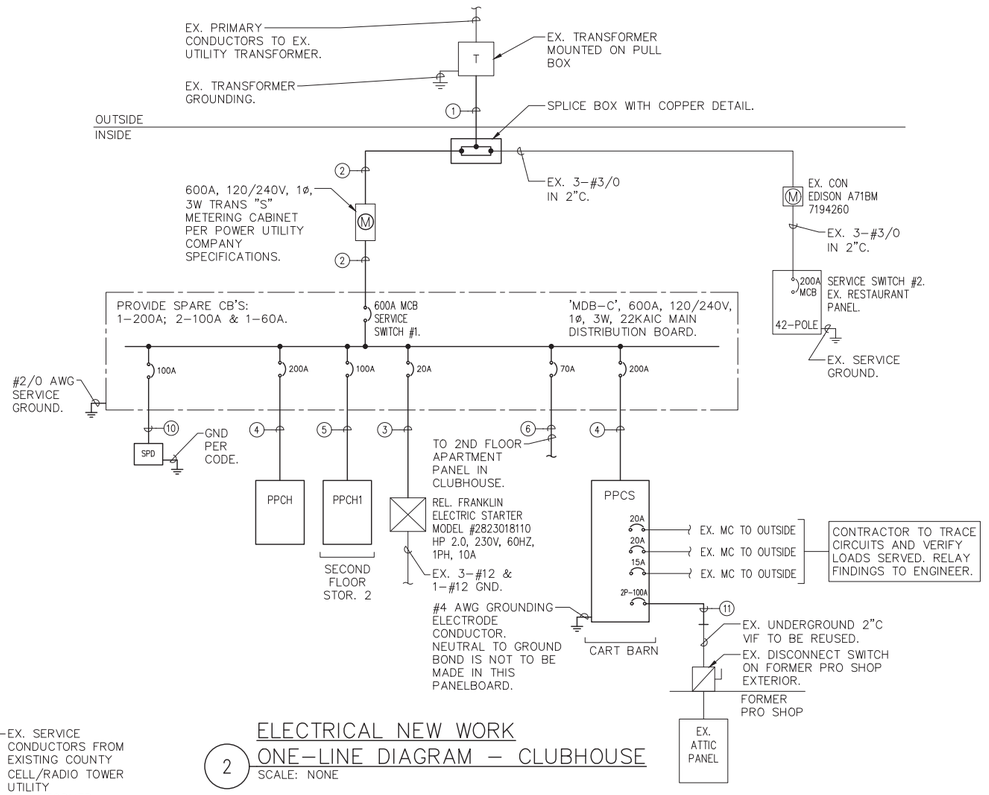
CONTRACT NUMBER 17 - 539
SHEET NUMBER E-402
SHEET NO. 54 OF 59

NEW GOLF CART STORAGE FACILITY
AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
BATHRMS & LOCKERS FIRE ALARM NEW WORK PLAN

SCALE: 1/4" = 1'-0"
DATE: 6/4/21
DPW FILE NO. 10-02-E-87-0
REV. NO. 0



ELECTRICAL NEW WORK
ONE-LINE DIAGRAM - CLUBHOUSE
(2) SCALE: NONE

NOTES:

1.) ALL SWITCHES AND CIRCUIT BREAKERS ARE 2 POLE, U.O.N.

2.) ALL PRIMARY SERVICES ARE 2,400V, SINGLE PHASE.

3.) ALL SECONDARY SERVICES ARE 120/240V, SINGLE PHASE, 3 WIRE.

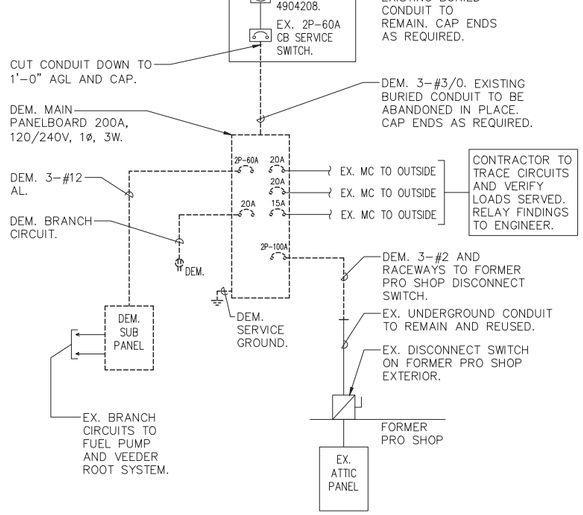
4.) PROVIDE DRAGLINES IN ALL SPARE CONDUITS.

5.) SEE CLUBHOUSE POWER PLAN FOR SCOPE OF WORK OF EXTENDING OF BRANCH CIRCUITRY.

WIRING/CONDUIT LEGEND:

(1) (2) SETS OF 3-#500MCM IN (2) 4" HDPE C (PLUS ONE SPARE).
(2) (2) SETS OF 3-#350MCM & 1-#2/0 GND IN (2) 3"C.
(3) 3-#12 & 1-#12 GND IN 3/4"C.
(4) 3-#3/0 & 1-#6 GND IN 2"C.
(5) 3-#2 & 1-#8 GND IN 1-1/4"C.
(6) 3-#4 & 1-#8 GND IN 1-1/4"C.
(7) (2) SETS OF 3-#500MCM IN (3) 4" HDPE C (ONE SPARE CONDUIT CAPPED AT METER LOCATION.
(8) (2) SETS OF 3-#500MCM & 1-#2/0 GND IN (2) 4" HDPE C.
(9) 3-#4 & 1-#10 GND IN 2"C.
(10) 5-#2 IN 1-1/4"C.
(11) 3-#2 & 1-#8 GND IN 2"C.

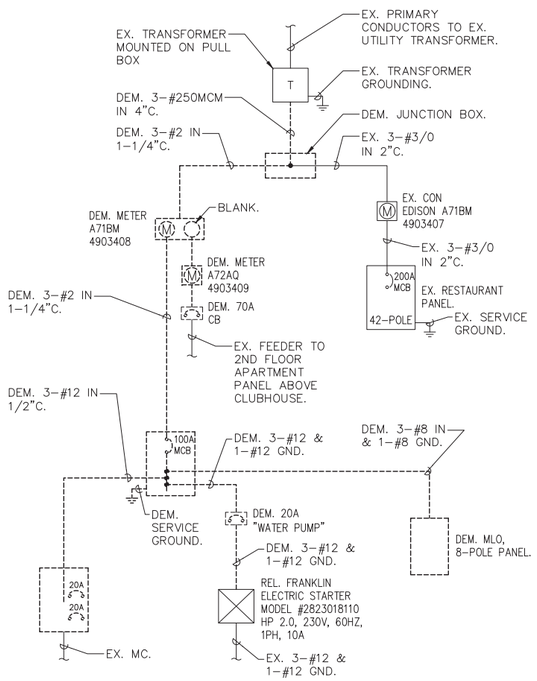
FINAL ELECTRICAL SERVICE LAYOUT AND UTILITY TRANSFORMER SCOPE OF WORK IS PENDING CON EDISON APPROVAL.



ELECTRICAL DEMOLITION
ONE-LINE DIAGRAM - CART BARN
(3) SCALE: NONE

NOTE:

1.) SEE CLUBHOUSE NEW WORK ONE-LINE DIAGRAM FOR RE-FEEDING OF PRO SHOP PANELBOARD AND EXTERIOR CIRCUITS.



ELECTRICAL DEMOLITION
ONE-LINE DIAGRAM - CLUBHOUSE
(1) SCALE: NONE

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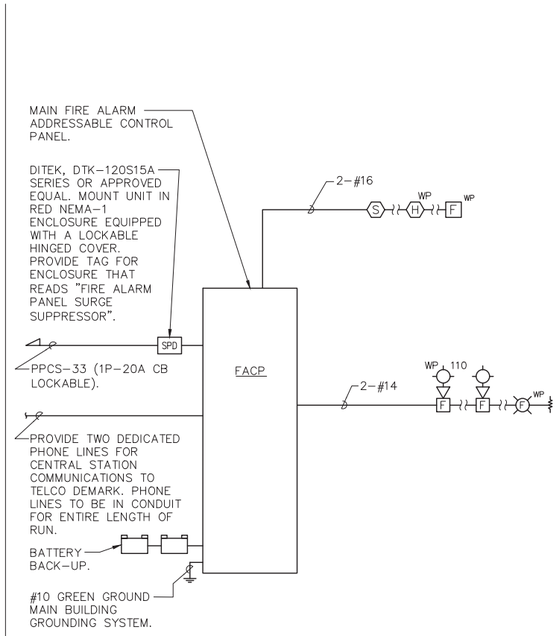
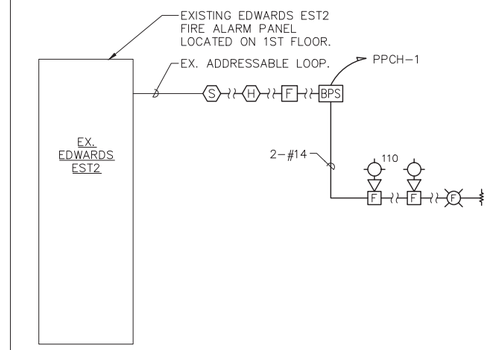
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-501
SHEET NO. 55 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
ELECTRICAL ONE-LINE DIAGRAM

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-E-88-0
REV. NO. 0





1 FIRE ALARM RISER DIAGRAM
SCALE: NONE

RISER NOTES:

1.) THIS IS NOT A POINT-TO-POINT WIRING DIAGRAM. PRIOR TO STARTING ANY WORK, A WORKING POINT-TO-POINT WIRING DIAGRAM SHALL BE OBTAINED FROM FIRE ALARM SYSTEM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.

2.) ELECTRICAL CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL 120V CIRCUITS THAT ARE REQUIRED TO SUPPORT THE OPERATION OF THE FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH THE FIRE ALARM VENDOR.

3.) QUANTITY OF STROBE BOOSTER POWER SUPPLY PANELS AND ASSOCIATED 120V CIRCUITS SHALL BE COORDINATED WITH SELECTED FIRE ALARM SYSTEM MANUFACTURER AND/OR FIRE ALARM VENDOR.

4.) PROVIDE ALL NECESSARY WIRING, MODULES, COMPONENTS, EXTENDER CABINET, AND PROGRAMMING REQUIRED TO CONNECT NEW DEVICES TO EXISTING SYSTEM IN CLUBHOUSE.

5.) PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING TO PROVIDE THE CLIENT WITH 20% SPARE CAPACITY ON ALL INITIATING AND INDICATING CIRCUITS.

6.) PROVIDE AS PART OF THE BASE CONTRACT ALL LABOR AND MATERIALS TO INSTALL FIFTEEN (15) ADDITIONAL FIRE ALARM DEVICES DURING CONSTRUCTION. THE ADDITIONAL FIRE ALARM DEVICES CAN BE BUT NOT LIMITED TO SMOKE DETECTOR, HEAT DETECTOR, DOOR HOLDER, DUCT DETECTOR, FAN SHUTDOWN, TAMPER SWITCHES, FLOW SWITCHES, ETC. INCLUDE ALL LABOR AND MATERIALS INCLUDING WIRE, BOXES, CONDUIT, TERMINATIONS, HARDWARE, SOFTWARE, PROGRAMMING AND TESTING.

7.) ALL VISUAL ALARM DEVICES SHALL BE ADA COMPLIANT.

8.) PROVIDE REMOTE LED INDICATORS FOR ALL CONCEALED FIRE ALARM DEVICES SUCH AS DUCT SMOKE DETECTORS, ABOVE CEILING SMOKE DETECTORS, ELEVATOR SHAFT DETECTORS, MONITORING AND CONTROL MODULES, ETC. LED INDICATORS FOR DEVICES MOUNTED ABOVE DROP CEILINGS SHALL BE MOUNTED BELOW ASSOCIATED DEVICES. LABEL INDICATORS TO INDICATE DEVICE SERVED.

9.) CONTRACTOR TO PROVIDE SMOKE DETECTOR(S) IN ALL LOCATIONS CONTAINING FIRE ALARM CONTROL PANELS, DATA GATHERING PANELS, BOOSTER POWER SUPPLIES, OR ANY OTHER FIRE ALARM SYSTEM PANEL, WHETHER SHOWN ON PLANS OR NOT.

10.) BATTERY BACKUP FOR FACP SHALL PROVIDE A MINIMUM OF 24 HOURS OF STAND BY POWER FOLLOWED BY 45 MINUTES OF ALARM.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539 | SHEET NUMBER E-502
SHEET NO. 56 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
FIRE ALARM RISER DIAGRAM

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-E-89-0
REV. NO. 0

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LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	REMARKS
A	HUBBELL LIGHTING	UTB-4K-OP16-MO-1-ND-GR-CDL	(1) 168W LED	120V	SURFACE	16" DIAMETER STEM MOUNTED HIGH-BAY LED FIXTURE WITH OPAL PRISMATIC ACRYLIC REFRACTOR, ENCLOSED WITH CONICAL DROPPED BOTTOM LENS.
B	MERCURY LIGHTING	LW14-4-3800-30K-HTA-UNI-SR-EM10	(1) 32W LED	120V	SURFACE	4' SURFACE MOUNTED LED LINEAR STRIP. PROVIDE EM BATTERY PACK OPTION FOR 90 MINUTES OF BATTERY BACKUP AS REQUIRED.
C	ANP LIGHTING	W516-MO21LD-N-W-30K-RTC-WM35-51	(1) 25W LED	120V	SURFACE	16" EXTERIOR WALL MOUNTED FIXTURE WITH ALUMINUM SHADE , BRONZE FINISH AND ALUMINUM WALL MOUNT.
D	ANP LIGHTING	LA600-2-FR-M009LD-N-T5-30K-EMG-51	(1) 11W LED	120V	SURFACE	EXTERIOR WALL MOUNTED JELLY JAR WITH CAST ALUMINUM HOUSING, BRONZE FINISH AND CAGED FROSTED GLASS GLOBE LENS. PROVIDE EM BATTERY PACK OPTION FOR 90 MINUTES OF BATTERY BACKUP AS REQUIRED.
G	OCL LIGHTING	SC1-P1AA-16-WG-PBR-LED1/30K-UNV-34-EMI	(1) 20W LED	120V	PENDANT	16" LED PENDANT/STEM MOUNTED SCHOOLHOUSE FIXTURE WITH OPAL/WHITE GLASS GLOBE. PROVIDE EM BATTERY PACK OPTION FOR 90 MINUTES OF BATTERY BACKUP AS REQUIRED.
H	REJUVINATION LIGHTING	A2505 MELLOW	(1) 23W CFL GU24 BASE	120V	PENDANT	18" DIAMETER 3 HOOK/PENDANT MOUNTED SUSPENDED FIXTURE, SATIN BRASS FINISH WITH OPAL/WHITE GLASS GLOBE.
J	REJUVINATION LIGHTING	A8805 TURNER	(1) 60W INC.	120V	SURFACE	WALL MOUNTED SCONCE WITH J HOOK ARM, SATIN BRASS FINISH WITH OPAL/WHITE GLASS GLOBE.
K	RAB LIGHTING	VANLED10	(1) 13W LED	120V	SURFACE	SURFACE MOUNTED CANOPY LIGHT FIXTURE SUITABLE FOR WET LOCATIONS.
	DUAL LITE	LXURWE	LED	120V	SURFACE	EXIT SIGN WITH 90 MINUTES OF BATTERY BACKUP TIME, MIN., RED LETTERING ON WHITE BACKGROUND, WHITE THERMO PLASTIC HOUSING, SEALED NICKEL CADMIUM BATTERY. PROVIDE CHEVRONS AS INDICATED ON DRAWINGS.
WP	SURE-LITES	UMX SERIES	(2) F6T5 (NORMAL) (2) 6W, DC (EMERGENCY)	120V	SURFACE	EXIT SIGN WITH 90 MINUTES OF BATTERY BACKUP TIME, MIN. RED LETTERING ON WHITE BACKGROUND, CORROSION RESISTANT FIBERGLASS HOUSING, WET LOCATION LABELED, 6 VOLT SEALED NICKEL CADMIUM BATTERIES, PROVIDE CHEVRONS AS INDICATED ON DRAWINGS.
	SURE-LITES	AA8	(2) 7.2W PAR36	120V	SURFACE	WALL MOUNTED EMERGENCY BATTERY LIGHT FIXTURE WITH 90 MINUTES OF BATTERY BACKUP TIME, MIN., STEEL HOUSING, WHITE FINISH, 6 VOLT SEALED NICKEL CADMIUM BATTERY.
WP	LIGHTONIA LIGHTING	IND618-W-ULT	(2) 9W KRYPTON	120V	SURFACE	WALL MOUNTED EMERGENCY BATTERY LIGHT FIXTURE WITH 90 MINUTES OF BATTERY BACKUP TIME, MIN., INJECTION-MOLDED THERMOPLASTIC HOUSING, 6 VOLT LEAD ACID BATTERY, RATED FOR OUTDOOR USE -40℉ TO 131℉.

NOTES:

1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
2.) ALL FLUORESCENT FIXTURES SHALL CONTAIN HIGH EFFICIENCY ELECTRONIC BALLASTS AND SHALL HAVE A TOTAL HARMONIC DISTORTION (THD) OF 10% OR LESS.
3.) ALL BALLASTS IN FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES.
4.) LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BATTERY BACK-UP BALLAST WHERE POSSIBLE THE BALLAST SHALL BE INTERNAL TO FIXTURE WITH A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY BALLAST IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BALLAST. EACH BATTERY PACK SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE BATTERY PACK AND FLUORESCENT LAMPS SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM.
5.) ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS.
6.) IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT-TO-POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.

PPCH PANEL SCHEDULE

MAIN RATING: 225A MAIN C.B.: MLO KAIC RATING: 10KAIC
VOLTAGE: 120/240V PHASE: 1 WIRE: 3 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	FA BOOSTER POWER SUPPLY	20LK	1	1	20	EX. BURNER	2
3	EX. CIRC/PUMP	30	2	2	20	EX. 1ST FL AC	4
5							6
7	EX.HANDICAP HAND DRYER	20	1	1	20	EX. LOAD	8
9	EX. LOAD	20	2	1	15	EX. LOAD	10
11				1	15	EX. LOAD	12
13	EX. FURNACE	15	1	1	15	EX. LOAD	14
15	EX. PRO SHOP	20	1	1	15	EX. HOT WATER	16
17	EX. COOLER	15	1	1	15	EX. TLS-300 VEETER ROOT	18
19	EX. LOAD	15	1	1	15	EX. OVERFILL ALARM TANK	20
21	EX. LOAD	15	1	1	20	EX. LOAD	22
23	EX. LOAD	15	1	1	20	EX. MC	24
25	EX. LOAD	20	1	1	20	EX. MC	26
27	EX. LOAD	20	1	2	20	EX. LOAD	28
29	EX. LOAD	20	1				30
31	EX. LOAD	15	1	–	–	–	32
33	EX. LOAD	15	1	–	–	–	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK – PROVIDE LOCKING TABS ON C.B.; GF – GFI TYPE C.B.; AF – ARC FAULT TYPE C.B.; ST – SHUNT TRIP C.B.

NOTES:

PPCH1 PANEL SCHEDULE

MAIN RATING: 125A MAIN C.B.: 100A KAIC RATING: 10KAIC
VOLTAGE: 120/240V PHASE: 1 WIRE: 3 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	RECP MEN'S RM	20	1	1	20	RECP WOMEN'S RM	2
3	RECP MEN'S RM	20	1	1	20	RECP WOMEN'S RM	4
5	RECP MEN'S RM	20	1	1	20	RECP WOMEN'S RM	6
7	HAND DRYER	20	1	1	20	HAND DRYER	8
9	RECP STORAGE 1 & 2	20	1	1	20	RECP WP/GFI EXTR NR ACC-2	10
11	RECP STORAGE 2	20	1	2	35	HWH-1	12
13	MOTORIZED DAMPERS	15	1				14
15	ACC-1	30	2	2	15	HP-1	16
17							18
19	HVAC CONTROL PANEL	20	1	1	20	LTS FOYER RESTROOMS	20
21	HVAC CONTROL PANEL	20	1	1	20	LTS RESTROOMS/STORAGE	22
23	HWH-2	15	1	–	–	–	24
25	ERV-1	25	2	–	–	–	26
27				–	–	–	28
29	–	–	–	–	–	–	30
31	–	–	–	–	–	–	32
33	–	–	–	–	–	–	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK – PROVIDE LOCKING TABS ON C.B.; GF – GFI TYPE C.B.; AF – ARC FAULT TYPE C.B.; ST – SHUNT TRIP C.B.

NOTES:

PPCS PANEL SCHEDULE

MAIN RATING: 225A MAIN C.B.: 200A KAIC RATING: 10KAIC
VOLTAGE: 120/240V PHASE: 1 WIRE: 3 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	RECP PRO WORK SHED	20	1	2	30	RECP 220V	2
3	RECP PRO WORK SHED	20	1				4
5	RECP PRO WORK SHED	20	1	2	30	RECP 220V	6
7	RECP PRO WORK SHED	20	1				8
9	RECP WP/GFI EXTR	20	1	2	30	UH-2	10
11	RECP CART STORAGE	20	1				12
13	RECP CART STORAGE	20	1	2	30	UH-1	14
15	MOTORIZED DAMPERS	20	1				16
17	EF-1	20	2	2	20	EF-3	18
19							20
21	EF-2	20	2	2	20	CARBTROL SUMP PUMP	22
23							24
25	CARBTROL EQPT	20	2	1	20	LTS	26
27				1	20	LTS	28
29	HVAC CRTL PNL	20	1	1	20	LTS	30
31	HVAC CRTL PNL	20	1	1	20	LTS EXTR	32
33	FACP	20LK	1	1	15	EX. MC TO OUTSIDE	34
35	EX. MC TO OUTSIDE	20	1	1	15	EX. 300 TANK	36
37	EX. MC TO OUTSIDE	20	1	1	20	EX. VEEDER ROOT ALARM	38
39	EX. GAS PUMP	20	1	2	100	EX. PRO SHOP ATTIC PANEL	40
41	EX. RANGE GFI	20	1				42
43	MOTORIZED DAMPERS	20	1	1	20	DOOR OPERATORS	44
45	DOOR OPERATOR CTRL PANEL	20	1	1	20	DOOR OPERATORS	46
47	SPARE	20	1	1	20	SPARE	48
49	SPARE	20	1	1	20	SPARE	50
51	SPARE	20	1	1	20	SPARE	52
53	SPARE	20	1	1	20	SPARE	54

LK – PROVIDE LOCKING TABS ON C.B.; GF – GFI TYPE C.B.; AF – ARC FAULT TYPE C.B.; ST – SHUNT TRIP C.B.

NOTES:

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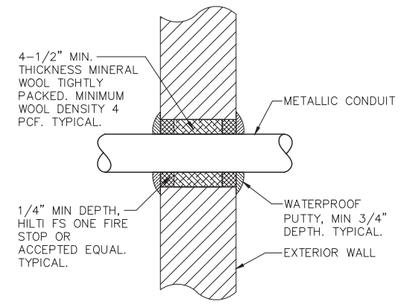
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-601
SHEET NO. 57 OF 59

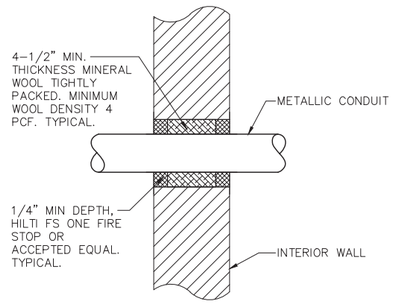
NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK
ELECTRICAL SCHEDULES

SCALE: NONE
DATE: 6/4/21
DPW FILE NO. 10-02-E-90-0
REV. NO. 0



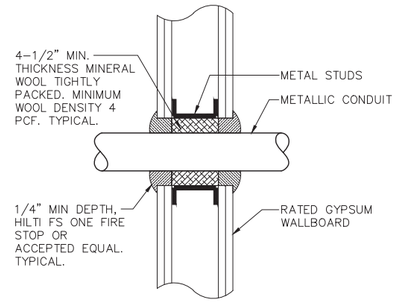
TYPICAL ABOVE GRADE CONDUIT EXTERIOR MASONRY WALL PENETRATION DETAIL

7 SCALE: NONE



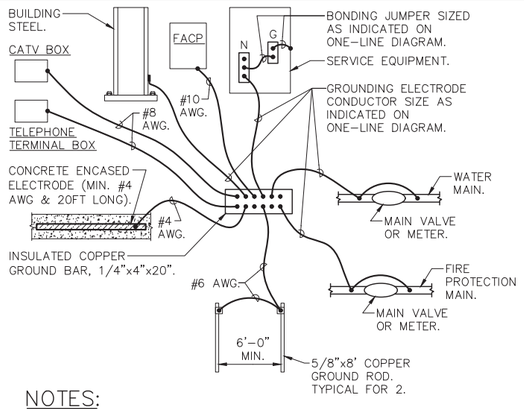
TYPICAL CONDUIT INTERIOR MASONRY WALL PENETRATION DETAIL

4 SCALE: NONE



TYPICAL CONDUIT GYPSUM WALL PENETRATION DETAIL

2 SCALE: NONE

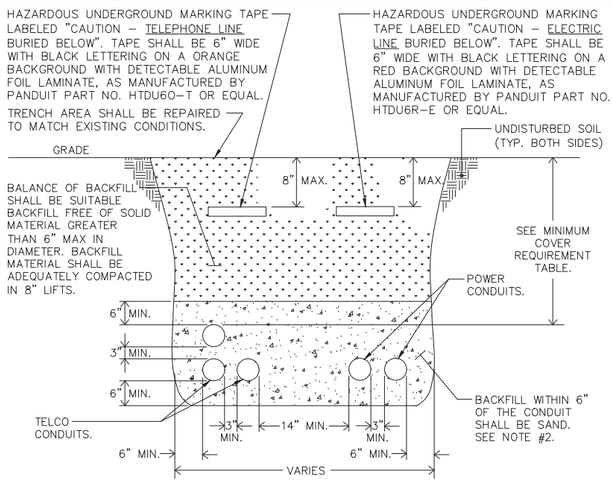


NOTES:

1.) CONNECTION TO WATER MAIN AND FIRE PROTECTION MAIN SHALL BE A MAXIMUM OF 5'–0" FROM WHERE THE PIPE ENTERS THE BUILDING AND BE PRIOR TO ANY METER, VALVE JOINT, ETC.
2.) ALL CONNECTIONS TO THE GROUND BAR SHALL BE MADE USING COMPRESSION LUGS SIZED TO ACCOMODATE THE CONDUCTORS.

SERVICE GROUNDING DETAIL – CLUBHOUSE

9 SCALE: NONE



TRENCHING DETAIL FOR CONDUIT

6 SCALE: NONE

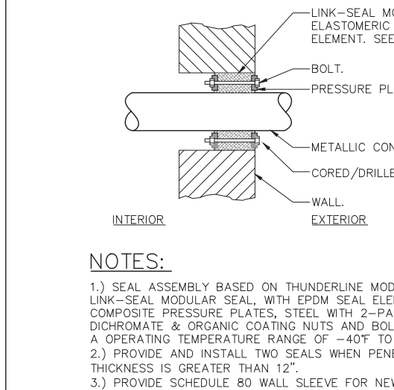
MINIMUM COVER REQUIREMENT TABLE

LOCATION	NONMETALLIC RACEWAYS LISTED FOR DIRECT BURIAL WITHOUT CONCRETE ENCASEMENT OR OTHER APPROVED RACEWAYS
ALL LOCATION NOT SPECIFIED BELOW.	18"
IN TRENCH BELOW 2–IN. THICK CONCRETE OR EQUIVALENT.	12"
UNDER MINIMUM OF 4–IN. THICK CONCRETE EXTERIOR SLAB WITH NO VEHICULAR TRAFFIC AND THE SLAB EXTENDING NOT LESS THAN 6 IN. BEYOND THE UNDERGROUND INSTALLATION.	4" SEE NOTE #2.
UNDER STREETS, HIGHWAYS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING LOTS.	24"

NOTES:

1.) DETAIL SHOWN FOR INFORMATION PURPOSES. SAME CONCEPT SHALL ALSO APPLY FOR SINGLE CONDUITS.

2.) SAND MAY BE OMITTED FOR INSTALLATIONS WHERE COVER REQUIREMENTS ARE 6" OR LESS.

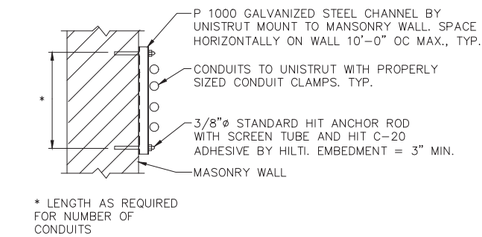


NOTES:

1.) SEAL ASSEMBLY BASED ON THUNDERLINE MODEL "C" LINK–SEAL MODULAR SEAL, WITH EPDM SEAL ELEMENT, COMPOSITE PRESSURE PLATES, STEEL WITH 2–PART ZINC DICHROMATE & ORGANIC COATING NUTS AND BOLTS AND WITH A OPERATING TEMPERATURE RANGE OF –40°F TO +250°F.
2.) PROVIDE AND INSTALL TWO SEALS WHEN PENETRATED WALL THICKNESS IS GREATER THAN 12".
3.) PROVIDE SCHEDULE 80 WALL SLEEVE FOR NEW WALL CONSTRUCTION PER MANUFACTURER'S REQUIREMENTS.

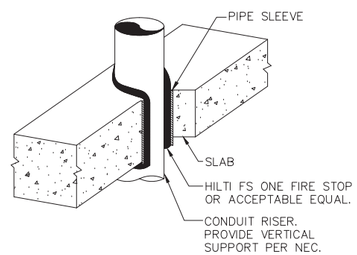
TYPICAL BELOW GRADE CONDUIT EXTERIOR MASONRY WALL PENETRATION DETAIL

1 SCALE: NONE



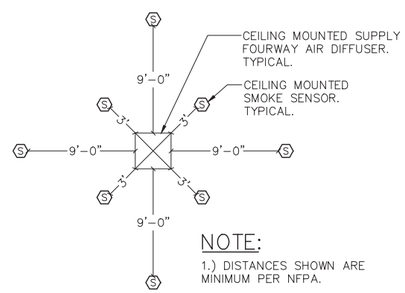
TYPICAL CONDUIT SUPPORT ON MASONRY

8 SCALE: 1" = 1'–0"



VERTICAL CONDUIT PENETRATION DETAIL

5 SCALE: NONE



NOTE:

1.) DISTANCES SHOWN ARE MINIMUM PER NFPA.

CEILING MOUNTED SMOKE DETECTOR LOCATION WITH RESPECT TO AIR DIFFUSER

3 SCALE: NONE

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WESTCHESTER COUNTY, NEW YORK
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DIVISION OF ENGINEERING

CONTRACT NUMBER 17 - 539
SHEET NUMBER E-701
SHEET NO. 58 OF 59

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
ELECTRICAL DETAILS

SCALE: NONE
DATE: 6/4/21
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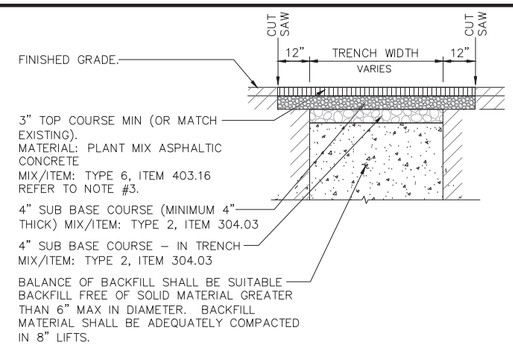
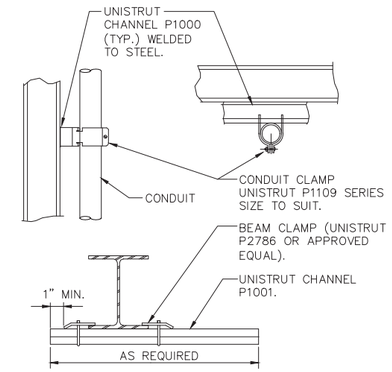
REV. NO. 0



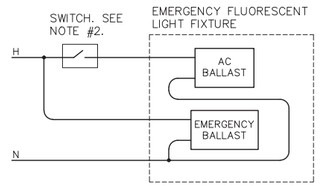
NOTES:

1.) THICKNESS INDICATED REFERS TO COMPACTED MEASURE.
2.) ITEM NUMBERS REFER TO NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
3.) REFER TO TRENCHING DETAIL FOR TRENCH INFORMATION.

5 BITUMINOUS PAVEMENT REPLACEMENT DETAIL
SCALE: NONE



2 CONDUIT SUPPORTED FROM STRUCTURAL STEEL
SCALE: NONE

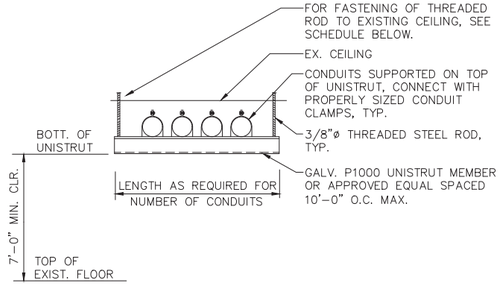


NOTES:

1.) THE CONNECTION TO THE LAMPS IS NOT SHOWN – FOLLOW MANUFACTURER WIRING DIAGRAMS.

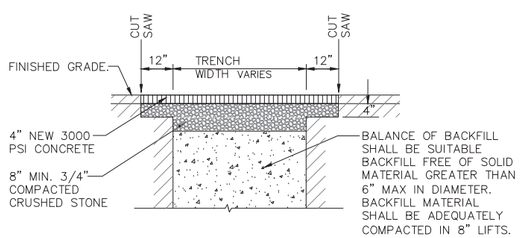
2.) "SWITCH" REPRESENTS A SINGLE POLE SWITCH, A SET OF CONTACTS, A COMBINATION OF 3 WAY AND 4 WAY SWITCHES, ETC. SEE DRAWINGS FOR ACTUAL SWITCH CONFIGURATION.

4 SWITCHED EMERGENCY FIXTURE WIRING DIAGRAM
SCALE: NONE



CEILING CONSTRUCTION	ANCHOR TYPE	EMBEDMENT
NORMAL WT. CONC	HILTI HDI DROP–IN ANCHOR	1" MIN.
CINDER CONCRETE	HILTI KWIK BOLT II	3" MIN.
HOLLOW CONSTRUCTION	TOGGLE BOLTS	NA

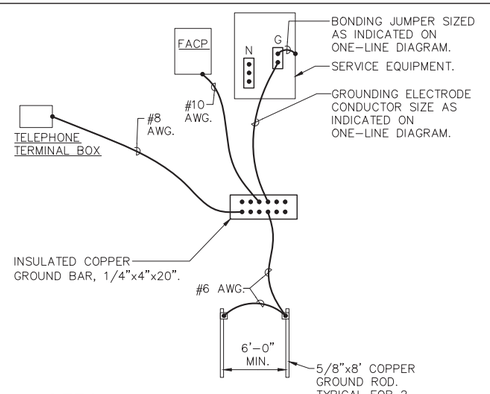
1 TRAPEZE SUPPORT DETAIL
SCALE: NONE



NOTE:

1. REFER TO TRENCHING DETAIL FOR TRENCH INFORMATION.

6 CONCRETE PAVEMENT REPLACEMENT DETAIL
SCALE: NONE



NOTES:

1.) CONNECTION TO WATER MAIN AND FIRE PROTECTION MAIN SHALL BE A MAXIMUM OF 5'–0" FROM WHERE THE PIPE ENTERS THE BUILDING AND BE PRIOR TO ANY METER, VALVE JOINT, ETC.
2.) ALL CONNECTIONS TO THE GROUND BAR SHALL BE MADE USING COMPRESSION LUGS SIZED TO ACCOMODATE THE CONDUCTORS.

3 SERVICE GROUNDING DETAIL – CART STORAGE
SCALE: NONE

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NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES
MOHANSIC GOLF COURSE, YORKTOWN, NEW YORK
ELECTRICAL DETAILS

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