LEGEND OF SYMBOLS

EXISTING DRAIN & RIM EL.

EX. GAS VALVE

EX. WATER VALVE

EX. FIRE HYDRANT

+/
PLUS OR MINUS DIMENSION

DETAIL REFERENCE:

DETAIL NUMBER

SHEET NUMBER

PLAN, SECTION, OR ELEV. DETAIL

REF. INDICATES DIR. OF VIEW

DIAMETER

ALIGN ELEMENTS

SET ELEMENTS PARALLEL

ELEVATION MARKER

 $(M)_{(19.0)}$ EXISTING MANHOLE & EL.

83° 1'10" ANGLE IN DEGREES, MIN., SEC.

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION

24 ---- EXISTING CONTOUR

PROPOSED CONTOUR

PERCENTAGE & DIR. OF DN. SLOPE

PERCENTAGE & DIR. OF DN.

CENTER LINE

__∠ ANG

FULLY ENC. GASKETED LED, SEE MEP DWGS.

LED WALL, SEE MEP DWGS.

LED FLOOD, SEE MEP DWGS.

WEATHERPROOF RECEPTACLE

Ψ ''' (SEE E1.00)
PH ≠ FROST PROOF

FROST PROOF POST HYDRANT

PP

CATCH BASIN

POOL DRAIN

POOL PUMP

(SEE CIVIL DWGS)

TRENCH DRAIN (NIGHT HOUSES) (SEPTIC, SEE CIVIL DWGS.)

(PD)

SPOT ELEVATIONS KEY: LP: LOW POINT HP: HIGH POINT FFE: FINISHED FLOOR ELEVATION TB: TOP OF BANK TW: TOP OF WALL BW: BOTTOM OF WALL TC: TOP OF CURB BC: BOTTOM OF CURB TS: TOP OF SLOPE **BS: BOTTOM OF SLOPE** TR: TOP OF ROCKWORK TL: TOP OF LOG WL: WATER LEVEL PB: POOL BOTTOM TP: TOP OF POST TF: TOP OF FOUNDATION

GENERAL NOTES:

1. CONTRACTOR TO PROVIDE A PHASING PLAN TO THE OWNER AND LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL/COORDINATION AT LEAST 12 WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION.

2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE SITE CONDITIONS AND INFORM THE LANDSCAPE ARCHITECT AND OWNER OF ANY DISCREPANCIES IN SITE CONDITIONS OR EXISTING GRADES THAT ARE NOT DESCRIBED ON THE PLANS BEFORE COMMENCING WORK.

3. SHOULD THERE BE ANY DISCREPANCIES BETWEEN LANDSCAPE ARCHITECTURAL, ARCHITECTURAL, AND ENGINEERING DRAWINGS, THE CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT TO REVIEW AND COORDINATE BEFORE PROCEEDING WITH WORK.

4. CONTRACTOR IS TO CREATE A WORK SCHEDULE AND DISTRIBUTE TO OWNER, LANDSCAPE ARCHITECT, CIVIL ENGINEER, AND ARCHITECT PRIOR TO COMMENCEMENT OF WORK. THE SCHEDULE IS TO CLEARLY OUTLINE DATES FOR:

A) PRE-CONSTRUCTION MEETING TO REVIEW CONSTRUCTION FENCE, EROSION & SEDIMENT CONTROL MEASURES AND TREE PROTECTION MEASURES.

B) REVIEW OF MATERIAL MOCK-UPS (SEE SPECIFICATIONS).

C) REVIEW OF SITE AND ARCHITECTURAL LAYOUTS.

D) ALL RELEVANT ARCHITECTURAL, STRUCTURAL, WATER FEATURE AND MEP REVIEWS.

E) WOODWORK AND MASONRY REVIEW DATES.F) FINAL HARDSCAPE REVIEWG)PROJECT COMPLETION

5. PRIOR TO PROJECT COMPLETION THE SITE IS TO BE THOROUGHLY CLEANED OF ALL CONSTRUCTION DEBRIS, SIGNS, ETC. AND REVIEWED BY THE LANDSCAPE ARCHITECT AND OWNER.

6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO GROUND AND BOND ALL EXPOSED METAL OBJECTS IN THE LANDSCAPE.

7. NO CONSTRUCTION ACTIVITY INCLUDING GRADE CHANGES, SURFACE TREATMENTS OR EXCAVATIONS OF ANY KIND IS PERMITTED WITHIN THE AREA IDENTIFIED AS A TREE PROTECTION ZONE (TPZ). IN ADDITION, NO ROOT CUTTING, NO STORAGE OF MATERIALS OR FILL, NO MOVEMENT OR STORAGE OF VEHICLES OR EQUIPMENT IS PERMITTED WITHIN THESE AREAS. THE AREAS IDENTIFIED AS A TPZ MUST REMAIN UNDISTURBED AT ALL TIMES.

8. ARBORICULTURAL WORK: ANY ROOTS OR BRANCHES WHICH EXTEND BEYOND THE TREE PROTECTION ZONE WHICH REQUIRE PRUNING, MUST BE PRUNED BY A QUALIFIED ARBORIST OR OTHER TREE PROFESSIONAL AS APPROVED BY THE OWNER OR OWNER'S REP. ALL PRUNING OF TREE ROOTS AND BRANCHES MUST BE IN ACCORDANCE WITH APPROPRIATE ARBORICULTURAL STANDARDS.

9. CONTRACTORS MUST CLEAN UP ALL TRASH AND DEBRIS ON THE CONSTRUCTION SITE AT THE END OF EACH DAY. LIGHTWEIGHT MATERIAL, PACKAGING, AND OTHER ITEMS MUST BE COVERED OR WEIGHTED DOWN TO PREVENT WIND FROM BLOWING SUCH MATERIALS OFF OF THE CONSTRUCTION SITE. DURING THE CONSTRUCTION PERIOD, THE CONSTRUCTION SITE MUST BE KEPT NEAT AND TIDY, DIRT, MUD OR OTHER DEBRIS RESULTING FROM ACTIVITY ON SITE MUST BE PROMPTLY REMOVED FROM SURROUNDING ROADS/PARKING AREAS.

10. IN ORDER TO RESPOND TO AND MONITOR HAZARDOUS MATERIAL (INCLUDING PETROLEUM PRODUCTS) USE AND/OR SPILLS THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING CRITERIA:

A) THE CONTRACTOR SHALL PROVIDE A CONTACT PERSON AND TELEPHONE NUMBER FOR A COMPANY EXPERIENCED IN EMERGENCY RESPONSE FOR CONTAINING HAZARDOUS MATERIAL SPILLS.

B) ABSORBENT SHEETS WILL BE USED FOR SPILL PREVENTION AND CLEANUP. SEVERAL BOXES SHOULD BE LOCATED AT FUEL TRUCKS, STORAGE AREAS, AND IN MAINTENANCE VEHICLES, INVENTORIES MUST BE MAINTAINED AS NECESSARY.

C) A REPORTABLE SPILL IS DEFINED AS A SPILL OF ONE OR MORE GALLONS. A SIGNIFICANT SPILL IS DEFINED AS MORE THAN TEN GALLONS.

D)THE CONTRACTOR SHALL MAINTAIN A LIST OF PRODUCT NAMES AND A MATERIALS SAFETY DATA SHEET FOR ALL HAZARDOUS MATERIAL PRODUCTS USED OR LOCATED ON SITE.

E)BEFORE A HAZARDOUS MATERIAL IS STORED, THE CONTRACTOR SHALL CHECK

1. THE MATERIAL IS STORED IN AN APPROPRIATE MANNER.

THE CONTAINER IS TIGHTLY CLOSED.
 THE CONTAINER HAS THE PROPER WARNING LABEL.

11. CONTRACTOR TO CALL DIG SAFELY NEW YORK TWO WEEKS PRIOR TO VERIFY LOCATION OF UNDERGROUND LINES, PIPES AND CABLES.

12. THE CONTRACTOR'S ATTENTION IS DRAWN TO THE FOLLOWING SPECIALIZED QUALIFICATIONS AND VERIFIABLE EXPERIENCE LEVELS FOR SUB- CONTRACTORS PREFORMING THE WORK. COSTS REFLECTING THESE REQUIREMENTS NEED TO BE FACTORED INTO THE CONTRACTORS BID PRICE:

A. SECTION 015639 TEMPORARY TREE PLANT PTOTECTION

B. SECTION 033715 SPRAYED AND CARVED CONCRETE (ARTIFICAL ROCKWORK)

C. SECTION 131700 WATER FEATURE PLUMBING

D. SECTION 017123 FIELD ENGINEERING

SURVEY NOTES:

AND ENSURE THAT:

1. THE EXISTING CONDITIONS PLAN WAS COMPILED BY NEW YORK PARKS & RECREATION AUGUST 22, 2018 AND UPDATED APRIL 1 2016. ALTHOUGH EVERY EFFORT HAS BEEN MADE TO ACCURATELY LOCATE ALL CONDITIONS, ACTUAL CONDITIONS MAY VARY FROM THOSE SHOWN. THE CONTRACTOR SHALL MAKE A FULL REVIEW OF ALL EXISTING CONDITIONS OF THE SITE AND SHALL REPORT DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE STARTING WORK. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ACTUAL CONDITIONS AS THEY EXIST ON SITE.

2. EXISTING TREE CANOPIES WERE NOT SURVEYED. ALL TREE CANOPIES INDICATED ARE BASED ON FIELD OBSERVATION AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

SUMMARY OF ALTERNATES

FOR BASE BID:

ADD: 30 CY OF OWNER PROVIDED FILL AT SOUTH SIDE OF OVERLOOK ADJACENT TO LOCATION OF ALTERNATE #1.

ADD: 160 LF LOW PIPE RAIL AROUND PERIMETER OF ALTERNATE #2.

FOR ALTERNATE #1:

SEE SECTION 012300 ALTERNATES.

FOR ALTERNATE #2:

SEE SECTION 012300 ALTERNATES.

FOR ALTERNATE #3:

DEDUCT: 0.6 CY HABITAT SUBSTRATE AT PORCUPINE EXHIBIT.
DEDUCT: 0.9 CY HABITAT SUBSTRATE AT FOX EXHIBIT.
DEDUCT: 1.7 CY HABITAT SUBSTRATE AT BOBCAT EXHIBIT.

TREE PROTECTION NOTES:

1. FINAL TREE PROTECTION PLAN TO BE SUBMITTED BY CONTRACTOR 14 DAYS PRIOR TO INSTALLATION OF THE PROTECTION FENCE.

2. FENCING TO REMAIN IN PLACE UNTIL CONSTRUCTION HAS BEEN COMPLETED OR AS DIRECTED BY LANDSCAPE ARCHITECT.

3. WITHIN TREE PROTECTION ZONE (TPZ) THERE MUST BE:

F) NO MOVEMENT OF VEHICLES, EQUIPMENT OR PEDESTRIANS.

A)NO ALTERATION OF DISTURBANCE TO EXISTING GRADE OF ANY KIND;
B) NO CHANGES TO THE GRADE BY ADDING FILL, EXCAVATING OR SCRAPING;
C)NO STORAGE OF CONSTRUCTION MATERIALS OR EQUIPMENT;
D) NO STORAGE OF SOIL, CONSTRUCTION WASTE OR DEBRIS;
E) NO DISPOSAL OF ANY LIQUIDS, INCLUDING CONCRETE SLUICE, GAS, OIL OR PAINT;

4. TREE PROTECTION ZONES MUST BE INDICATED WITH SIGNS WHICH READ 'TREE PROTECTION ZONE. THIS FENCE SHALL NOT BE REMOVED.'

UTILITY NOTES:

1. EXISTING AND PROPOSED UTILITY LOCATIONS SHOWN ARE APPROXIMATE UNLESS SPECIFICALLY NOTED OTHERWISE IN THE DRAWINGS.

2. VERIFY LOCATIONS AND DEPTHS OF ALL UTILITIES IN THE FIELD AND NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS BETWEEN LAYOUT/GRADING AND SITE UTILITIES PRIOR TO THE START OF CONSTRUCTION.

3. TRENCHING FOR UTILITIES WILL BE PERMITTED IN APPROVED LOCATIONS ONLY. CONTRACTOR MUST ALERT LANDSCAPE ARCHITECT PRIOR TO TRENCHING FOR LOCATION REVIEW AND APPROVAL.

4. CONTRACTOR TO CONTACT OWNER FOR ADDITIONAL UTILITY AND BUILDING AS-BUILT PLANS.

5. SEE CIVIL AND MEP PLANS FOR PROPOSED UTILITIES.

LAYOUT NOTES:

1. DO NOT SCALE DRAWINGS.

2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT DIMENSIONS IN THE FIELD. REPORT DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE STARTING CONSTRUCTION.

3. CONTRACTOR SHALL EMPLOY A NEW YORK LICENSED LAND SURVEYOR FOR CONSTRUCTION LAYOUT WORK.

4. ALL DIMENSIONS FROM STRUCTURES ARE FROM FACE OF FINISH OF EXTERIOR WALL UNLESS OTHERWISE NOTED.

5. ANY ALTERATIONS TO THESE DRAWINGS PROPOSED IN THE FIELD FOR CONSTRUCTION SHALL BE PROMPTLY REPORTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.

6. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF CONFLICTS IN LAYOUT OF LANDSCAPE FEATURES ARISE DUE TO CHANGES TO ARCHITECTURAL, CIVIL OR OTHER RELATED PLANS.

GRADING NOTES:

1. CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT AND CIVIL ENGINEER.

2. SLOPE AWAY FROM ALL BUILDINGS.

3. PROVIDE VERTICAL CURVES OR ROUNDINGS AT ABRUPT CHANGES IN GRADE UNLESS OTHERWISE NOTED. BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING.

4. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1%. NON-PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 2%. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT PRIOR TO CONTINUING WORK.

5. ALL DENUDED AREAS WHICH WILL BE LEFT DORMANT FOR MORE THAN 30 DAYS SHALL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING OF THOSE AREAS. SELECTION OF THE SEED MIXTURE SHALL DEPEND ON THE TIME OF YEAR IT IS APPLIED. LANDSCAPE ARCHITECT/OWNER MUST APPROVE SEED MIXES PRIOR TO SEEDING.

6. BACKFILL AT RETAINING WALLS MUST BE FREE OF STONES AND BUILDING MATERIAL FOR A MINIMUM OF 24" BELOW GRADE.

7. ALL PATHS TO BE ADA COMPLIANT AND AT A MAXIMUM 5% SLOPE UNLESS OTHERWISE INDICATED.

8. WHERE WALLS RETAIN OVER 24" DRAINAGE PIPES AND VERTICAL DRAIN MAT ARE TO BE PROVIDED.

LOCATION MAP



SHEET INDEX L0.00 GENERAL NOTES SITE ACCESS, TRAFFIC CONTROL & SAFETY PLAN L0.01 L0.02 SURVEY L0.03 SITE PREPARATION PLAN SUBSURFACE SEWAGE DISPOSAL SYSTEM C1 SUBSURFACE SEWAGE DISPOSAL SYSTEM (DETAILS) SUBSURFACE SEWAGE DISPOSAL SYSTEM (PROFILES) L1.10 MATERIALS PLAN L2.10 LAYOUT PLAN L3.10 GRADING PLAN **BOBCAT ENCLOSURE** FOX ENCLOSURE (ALTERNATE 1) L7.10 HABITAT SECTIONS L8.00 SITE DETAILS 1 SITE DETAILS 2 L8.01 HABITAT DETAILS HABITAT DETAILS 2 HABITAT DETAILS 3 L8.20 WATER FEATURE LAYOUT (ALTERNATE 3) L8.21 WATER FEATURE GRADING (ALTERNATE 3) L8.22 WATER FEATURE DETAILS (ALTERNATE 3) A1.00-A1.10 BOBCAT NIGHT HOUSE PLANS & ELEVATIONS A3.00-A3.10 PORCUPINE NIGHT HOUSE PLANS & ELEVATIONS (ALTERNATE 2) P1.00 PLUMBING PLAN E1.00 ELECTRICAL LEGENDS, NOTES & SITE PLAN E2.00 NIGHT HOUSE ELECTRIC PLAN & PANEL SCHEDULES

TRAILSIDE MUSEUMS AND ZOO

Palisades Parks Conservancy

Bear Mountain State Park Bear Mountain, New York 10911





WARWICK OFFICE

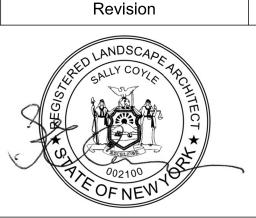
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Number	Revision	Date



100% CONSTRUCTION DOCUMENTS

Coyle & Caron Inc.



Job # 0191

Project ANIMAL HABITAT IMPROVEMENTS

Drawn By SC, RK Checked SC

Date 02 April 2021

Scale

Drawing Title

General Notes

L0.00