

GENERAL CONSTRUCTION CONDITIONS

1. THE TERM OF OWNER AS USED IN THESE SPECIFICATIONS AND NOTES SHALL INCLUDE THE OWNER OF THE PROPERTY, THE COMPANY OR PARTY THAT HIRED THE CONTRACTOR, THE COMPANY OR PARTY THAT SIGNED THE CONTRACT FOR THIS WORK AND THE AGENTS OF EACH. THE OWNER'S REPRESENTATIVE SHALL BE THE INDIVIDUAL OR PARTY ASSIGNED BY THE OWNER.

2. THE OWNER SHALL BE RESPONSIBLE FOR ALL TEMPORARY PERMITS, CONNECTION PERMITS, FEES, INSPECTIONS AND RECORD KEEPING REQUIRED BY ALL MUNICIPAL, UTILITY, HEALTH, ENVIRONMENTAL, STATE OR FEDERAL AGENCIES THAT MAY HAVE JURISDICTION. FURTHERMORE, THE OWNER SHALL BE RESPONSIBLE TO MEET OR EXCEED ALL REQUIREMENTS OF THE AGENCIES OR AUTHORITIES HAVING JURISDICTION OVER HIS WORK. ALL CONFLICTS IN REQUIREMENTS OF DIFFERENT AGENCIES, AUTHORITIES AND/OR THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS' REPRESENTATIVE BEFORE PROCEEDING.

3. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND MAINTAIN THE PROPERTY AND PROJECT LIMITS THROUGH OUT THE PROJECT. ALL CONFLICTS BETWEEN THE DESIGN AND THE PROJECT / PROPERTY LIMITS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING. UNLESS DESCRIBED IN THE CONTRACT DOCUMENTS OR SHOWN ON THE DRAWINGS THE OWNER HAS NOT SECURED ANY RIGHT OF WAYS, EASEMENTS OR AGREEMENTS WITH OTHER PROPERTY OWNERS OR PROPERTY USERS. THEREFORE IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SECURE AND MAINTAIN ANY TEMPORARY RIGHT OF WAYS, EASEMENTS, PERMITS OR AGREEMENTS HE MAY NEED TO PERFORM HIS WORK. ALL SUCH AGREEMENTS SHALL HOLD THE CONTRACTOR TO BEAR ALL COSTS. THE CONTRACTOR SHALL COPY THE OWNER ON RELEASES OF ALL AGREEMENTS PRIOR TO FINAL PAYMENT BY THE OWNER TO THE CONTRACTOR.

4. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SURVEY, LAYOUT AND RECORD DRAWINGS FOR THIS CONTRACT. ANY CONFLICTS IN SURVEY/LAYOUT AND THE DESIGN OR AGENCIES REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL PROTECT AND SAFEGUARD ALL EXISTING SURVEY MONUMENTS, CONTROL AND TIE-DOWNS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST ASSOCIATED WITH ERRORS IN THE STAKE-OUT AND LOCATION OF HIS WORK. THE CONTRACTOR SHALL PAY ALL COSTS TO REPAIR OR REPLACE DAMAGED SURVEY MONUMENTS, CONTROL AND TIE-DOWNS.

NO CHANGES TO THE DESIGN OR MATERIALS SPECIFIED MAY BE MADE WITHOUT WRITTEN JTHORIZATION BY THE ENGINEER OR IN THE CASE OF UTILITIES OR ROAD WORK TO BE EDICATED, THE AUTHORITY RECEIVING DEDICATION. THE CONTRACTOR SHALL PROVIDE TO THE WINER AT THE END OF THE CONTRACT A RECORD SET OF DRAWING REFLECTING ALL CHANGES ADE BY THE CONTRACTOR DURING CONSTRUCTION.

TROL IS NECESSARY WHEN SEDIMENT, DUST, EROSION, OR COCUR. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE

AS REQUIRED TO PROTECT HIS WORK, THE WORK OF HIS SUBCONTRACTORS, OR OTHER PARTIES ASSOCIATED WITH THE PROJECT, ADJACENT PROPERTIES AND THE HEALTH AND WELL BEING OF THE WORKERS, PUBLIC AND SURROUNDING NATURAL RESOURCES. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS REGARDING EROSION AND RUN—OFF CONTROL AND SHALL SIGN A CERTIFICATION STATEMENT INDICATING THAT HE UNDERSTANDS AND WILL COMPLY WITH THE SITE'S STORM WATER POLLUTION PREVENTION PLAN ONE WAS PREPARED FOR THE PROJECT.

PEDESTRIAN, TRAFFIC AND BUSINESS USES. THE CONTRACTOR SHALL TAKE WHAT EVER PRECAUTIONS AND STEPS NECESSARY TO MAINTAIN SAFETY AND OPERATION OF THESE USES IN ACCORDANCE WITH FEDERAL, STATE, COUNTY AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS AND DAMAGES CAUSED FROM HIS FAILURE TO TAKE PROPER AND ADEQUATE PRECAUTIONS. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS REGARDING THESE USES INCLUDING BUT NOT LIMITED TO THE MAINTENANCE AND PROTECTION OF TRAFFIC REQUIRED BY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYS D.O.T.) AND CORRESPONDING TOWN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS AND DELAYS ASSOCIATED WITH EATHER, GROUNDWATER, AND OTHER OCCURRENCES THAT COULD BE EXPECTED OR ARE MAMON WITH THIS TYPE WORK. THE CONTRACTOR SHALL REVIEW ALL PERTINENT DOCUMENTS CLUDING SOILS REPORTS, SOILS BORINGS AND OTHER SOIL OR SITE DATA.

THE CONTRACTOR SHALL BE RESPONSIBLE TO SAVE AND PROTECT HIS WORK THROUGH OUT CONTRACT. ANY DAMAGES REQUIRING REPAIRS OR REPLACEMENT SHALL BE CORRECTED BY AT HIS EXPENSE

WHEN WORK IS DONE WITHIN A ROAD, UTILITY OR PRIVATE EASEMENT, RIGHT OF WAY OR IER PROPERTY AGREEMENT THE CONTRACTOR SHALL DO ALL WORK WITHIN THAT AREA PER

11. ALL EXISTING UTILITIES ARE SHOWN PER SURFACE SURVEYS AND/OR RECORD MAPS AND MAY VARY FROM ACTUAL IN FIELD LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY STAKE OUTS AND LOCATING UTILITIES PRIOR TO COMMENCING WORK. ANY DAMAGE TO UTILITIES DUE TO IMPROPER STAKE OUT, LACK OF STAKE OUT OR THE FAILURE TO VERIFY DIFFERENCES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR, REPLACE OR PAY DAMAGES AT NO EXPENSE TO THE CONTRACT. 12. CONTRACTOR SHALL FURNISH AND APPLY WATER AND/OR CALCIUM CHLORIDE AS NECES TO CORRECT DUSTY CONDITIONS RESULTING FROM LOCAL TRAFFIC ON THE STREET OR CONTRACTORS OPERATIONS.

EARTHWORK

1. PKIUR TO STARTING ANY CUTS OR FILLS THE CONTRACTOR SHALL STRIP AND STOCKPILE ALL TOPSOIL. STRIPPING OF TOPSOIL CAN ONLY COMMENCE AFTER THE CLEAR AND GRUB OPERATIONS ARE COMPLETE IN THAT AREA. TOPSOIL SHALL BE STOCKPILED IN AREAS DESIGNATED ON THE PLANS OR APPROVED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL REVIEW THE SOILS REPORTS, BORING LOGS AND WHEN NECESSARY HIS OWN FIELD VERIFICATION SO AS TO BE FAMILIAR WITH THE DEPTH OF TOPSOIL. THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT OVER AND UNDER REMOVAL OF TOPSOIL.

2. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL RETAIN AND PAY ALL COST FOR SOIL COMPACTING TESTING TO BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY. TESTING FOR COMPACTION SHALL BE DONE EVERY 2000 SQ. FT. EACH LIFT. IN TRENCHES COMPACTION TESTING SHALL BE DONE EVERY 100 LF. EVERY OTHER LIFT, BUT NOT LESS THAN 1 TEST EVERY OTHER LIFT.

3. COMPACTION REQUIREMENTS SHALL BE THOSE OUTLINED IN THE PLAN. IF NOT CLEAR OR DOES NOT GIVE REQUIREMENTS THE FOLLOWING WILL BE USED SUBGRADE SOILS AND BACK FILL AREA SHALL BE COMPACTED TO A MINIMUM MAXIMUM DRY DENSITY PER ASTM 01557 (MODIFIED PROCTOR). ALL LANDSCAL AREAS SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY PER ASTM 015 PROCTOR). THE TESTING LAB SHALL TEST SOILS IN ACCORDANCE WITH ASTM MINIMUM OF 95%
ANDSCAPE AND LAWN
TH 01557 (MODIFIED
ASTM 02922 . IF THE PLAN IS USED. THE

4. UNLESS OTHERWISE NOTED IN THE SOILS REPORT OR ON THE DRAWINGS THE ON SITE MATERIAL SHALL BE USED TO MAKE FILLS. ALL MATERIAL TO BE USED FOR FILL SHALL BE FREE OF ORGANICS, FROZEN MATERIAL, CONTAMINATED MATERIAL, DEBRIS AND ANY ROCKS LARGER THAN 4 INCHES. FOR FILL PLACED WITHIN 1 FOOT OF SUBGRADE NO ROCK SHALL BE GREATER THAN 2 INCHES IN DIAMETER. THE CONTRACTOR SHALL BEAR ALL COST ASSOCIATED WITH DRYING, SEGREGATING OR OTHER REQUIRED METHODS TO TREAT SOILS TO MEET COMPACTION AND OTHER REQUIREMENTS.

BACKFILLS SHALL BE PLACED IN LIFTS NOT TO EXCEED 8 INCH.

6. IF IMPORTED MATERIAL IS REQUIRED THE SOURCE AND A RANDOM COMPOSITE SAMPLE SHALL BE REVIEWED BY THE TESTING LABORATORY PRIOR TO BEING BROUGHT TO SITE. IMPORTED MATERIAL SHALL HAVE 100% PASSING THE 3 INCH SIEVE FOR FILL UP TO 1 FOOT OF SUBGRADE AND 100% PASSING THE 2 INCH SIEVE FOR FILLS WITHIN 1 FOOT OF SUBGRADE. THE IMPORTED MATERIAL SHALL HAVE NO MORE THAN 40% PASSING THE NO. 40 SIEVE AND 15% PASSING THE NO. 200 SIEVE. WAIVERS TO THESE REQUIREMENTS CAN ONLY BE GIVEN JOINTLY BY THE OWNER AND THE GEOTECHNICAL ENGINEER THAT PREPARED THE SOILS REPORT.

7. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO FORERATIONS FROM WEATHER AND GROUND WATER INCLUDING KEEPING DIVERT DRAINAGE, DEWATERING AND SEALING DISTURBED AREAS WITH ROLLER PRIOR TO INCLEMENT WEATHER. ROTECT EARTHWORK POSITIVE DRAINAGE. A STEEL DRUM

UNDER PROPOSED PAVEMENT, BUILDING AS DESCRIBED ABOVE FOR IDENTIFYING ABLE SHALL BE SCARIFIED, DRIED AND R G OR OTHER STRUCTURE NG OF SOFT AREAS. AREAS) RECOMPACTED. RETEST BY

GENERAL

RETAINING WALL

NOTES

MAINTAIN SAFE SIDE SLOPES IN ACCORDA ENTS. NO STOCKING OF MATERIAL CLOSE 1 CE WITH LOCAL

10. TRENCH EXCAVATIONS SHALL TRENCH SHALL BE OPEN IN ONE IDAY TO MINIMIZE WEATHER AND SELIEVED IN THESE AREAS AND W S SHALL BE MADE UNIFORM IN ONE DAY THAN CAN BE A AS SHOWN ON PLE PROPERLY BACKFI

COMPACTION REQUIRED ON THE DRAY PLAN. NO MORE

(FILLED IN THAT SAME

QUIREMENTS ARE NOT

AWINGS OR ABOVE.

THE FOUNDATION SOILS AT THE BASE OF THE WALL(S) SHALL BE INSPECTED BY THE ENGINEER. ANY UNSUITABLE SOILS OR IMPROPERLY COMPACTED EMBANKMENT MATERIAL SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER PRIOR TO WALL CONSTRUCTION TO PROVIDE ADEQUATE BEARING CAPACITY AND MINIMIZE SETTLEMENT.

ALL WALL EXCAVATION AND RETAINED SOILS SHALL BE INSPECTED FOR GROUNDWATER CONDITIONS. ANY ADDITIONAL DRAINAGE PROVISIONS REQUIRED IN THE FIELD SHALL BE INCORPORATED INTO THE WALL CONSTRUCTION AS DIRECTED BY THE GEOTECHNICAL

MAX 4.0

WALL CONSTRUCTION SHALL BE SUPERVISED BY A QUALIFIED ENGINEER OR TECHNICIAN TO VERIFY FIELD AND SITE SOIL CONDITIONS. IF THIS WORK IS NOT PERFORMED BY THE SITE GEOTECHNICAL ENGINEER, A QUALIFIED GEOTECHNICAL ENGINEER/TECHNICIAN SHALL BE CONSULTED IN THOSE MATTERS PERTAINING TO THE SOIL CONDITIONS AND

INDICATED ON THE PLANS OR SOILS E OWNER / ENGINEER OF THE RECORD FOR IS EXPECTED.

12. WHERE ROCK IS ADJACENT TO A STRUCTURE OR UTILITY THE ROCK SHALL BE REMOVED TO A MINIMUM OF 6 INCHES BELOW AND 1 TIMES THE DIAMETER BUT NOT LETHAN 1 FOOT OR GREATER THAN 3 FEET ON ANY SIDE OF THE UTILITY OR STRUCTURE

UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SH NO BLASTING IS ALLOWED AT OF IN A LEGAL THIS PROJECT SIDE

ALL WALL ELEVATIONS, GRADES, AND BACKSLOPE CONDITIONS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD FOR CONFORMANCE WITH APPROVED DESIGN PLANS. ANY REVISIONS TO THE STRUCTURE GEOMETRY OR DESIGN CRITERIA SHALL REQUIRE DESIGN MODIFICATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.

DURING WALL CONSTRUCTION, PERIODIC INSPECTION SHALL BE CONDUCTED FROM START TO COMPLETION, AND CERTIFIED THAT THE WALL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN BY A REGISTERED LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK.

ALL SOIL BACKFILL SHALL BE TESTED BY THE ENGINEER FOR MOISTURE, DENSITY, AND COMPACTION PERIODICALLY (EVERY 2' VERTICALLY, 100'-200' C/C) MÉETING THE MINIMUM REQUIREMENTS OF THE APPROVED DESIGN PLANS OR SPECIFICATIONS.

15. CONTRACTOR SHALL TEMPORARY

16. CONTRCTOR SHALL PROTECT A UTILITY AND STORMWATER PIPES A CONSTRUCTION. ANY DAMAGE TO CONTRACTOR'S COST.

INSPECTION AND

CERTIFICATION NOTES

ANY PROPOSED RETAINING WALLS SHALL BE DESIGNED AND INSPECTED DURING CONSTRUCTION, AND CERTIFIED THAT THAY HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK.

F REQUIRED, THE CONTRACTOR TO OBTAIN BUILDING PERMIT FROM THE APPROPRIATE GOVERNING AUTHORITY.

MINIMUM INSPECTIONS ARE AS FOLLOWS:

A) FOOTING INSPECTION

B) MID HEIGHT INSPECTION

C) FINAL INSPECTION

TRACTOR TO CONTACT ALL INVOLVED AGENCIES PRIOR XCAVATION.

GABION WALL NOTES:

WORK SHALL INSTALLING ROCK

ASSEMBLY. ROTATE THE GABION PANELS IN TO EDGES WITH FASTENERS FOR GABION ASSEMBLY WRAP THE WIRE WITH ALTERNATING SINGLE AND INTERVALS BETWEEN FOUR (4) TO FIVE (5) INC

JOIN THE VERTICAL NG WIRE IS USED, HITCHES AT

WRAP THE WIRE WITH ALTERNATING SINGLE AND DOUBLE HALF HITCHES AT NTERVALS BETWEEN FOUR (4) TO FIVE (5) INCHES. WHERE SPIRAL FASTENERS ARE USED, CRIMP THE ENDS TO SECURE THE SPIRALS IN PLACE. WHERE RING TYPE ALTERNATE FASTENERS ARE USED FOR BASKET ASSEMBLY, INSTALL THE FASTENERS AT A MAXIMUM SPACING OF 6 INCHES. USE THE SAME FASTENING PORCEDUREX TO NSTALL INTERIOR DIAPHRAGMS WHERE THEY ARE REQUIRED.

THE GABIONS SHALL BE CAREFULLY FILLED WITH ROCKS, EITHER BY MACHINE OR HAND METHODS, ENSURING ALIGNMENT, AVOIDING BULGES, AND PROVIDING A COMPACT MASS THAT MINIMIZES VOIDS. AT NO POINT IN THE FILLING PROCESS MAY ROCK BE MECHANICALLY PLACED FROM A HEIGHT OF OVER 36" FROM MACHINE TO FILL AREA. MACHINE PLACEMENT WILL REQUIRE SUPPLEMENTING WITH HANDWORK TO ENSURE THE DESIRED RESULTS. THE CELLS IN ANY ROW SHALL BE FILLED IN STAGES SO THAT THE DEPTH OF ROCK PLACED IN ANY ONE CELL DOES NOT EXCEED THE DEPTH OF ROCK IN ANY ADJOINING CELL BY MORE THAN 12 INCHES. ALONG THE EXPOSED FACES, THE OUTER LAYER OF STONE SHALL BE CAREFULLY PLACED AND ARRANGED BY HAND TO ENSURE A NEAT, COMPACT PLACEMENT WITH A LINIFORM APPEARANCE

- RE MESH GABION BASKETS.
 SHALL BE FABRICATED, ASSEMBLED
 WIRE SIZES AND DIMENSIONS FOUND AND INSTALLED IN ACCORDA

- WIRE FOR FABRICATION AND ASSEMBLY SHALL BE HOT-DIP GALVANIZED. THE WIRE SHALL HAVE A MINIMUM TENSILE STRENGTH OF 60,000 PSI. GALVANIZED STEEL WIRE SHALL CONFORM TO ASTM A 641, CLASS 3, AND SOFT TEMPER.

 ALTERNATE FASTENERS FOR USE WITH WIRE MESH GABIONS, SUCH AS RING FASTENERS, SHALL BE FORMED FROM WIRE MEETING THE SAME QUALITY AND COATING THICKNESS REQUIREMENTS AS SPECIFIED FOR THE GABIONS.

 STANDARD FASTENERS AND ALTERNATE FASTENERS MUST PROVIDE A MINIMUM STRENGTH OF 1,400 LBS. PER LINEAL FOOT FOR GABION BASKETS AND 9000 LBS. PER LINEAL FOOT FOR GABION MATTRESSES. WHEN USED TO INTERCONNECT GABION BASKETS OR MATTRESSES WITH PVC COATING, RING FASTENERS SHALL BE MADE OF STAINLESS STEEL AND SPIRAL FASTENERS SHALL BE PVC COATED.

13.3.

THREE (3) FEET FOR GABION BASKETS THICKER INSTALLED TO ASSURE THAT NO OPEN INTERVAL BASKETS 12" OR LESS RECTANGULAR CELLS ARI

S EXCEEDS THREE (3) FEET. FOR ALLOWED WITH DIMENSIONS 36" IN

BE REQUIRED WHERE

ANY INSIDE DIMENSIONS EXCEEDS THAN 12". DIAPHRAGMS WILL BE

SKETS 12" OR LESS RECTANGULAR CELLS ARE WE DIRECTION AND NOT TO EXCEED 72" IN THE ACEMENT. PLACE THE EMPTY GABIONS ON THE

THE FOUNDATION AND INTERCONNECT TOM, AND VERTICAL EDGES USING TH ALTERNATING SINGLE AND DOUBLE (4) TO SIX (6) INCHES. SPIRAL SSEMBLY AND INTERCONNECTION OF DOWN AT THE CONNECTING EDGES TO SECURE IT IN PLACE. LACING MAY TERCONNECTION OF WELDED MESH

14.6.

THE LAST LAYER OF ROCK SHALL BE UNIFORMLY LEVELED TO THE TOP EDGES OF GABIONS. LIDS SHALL BE PLACED OVER THE ROCK FILLING USING ONLY APPROVED LID CLOSING TOOLS AS NECESSARY. THE USE OF CROWBARS OR OTHER SINGLE POINT LEVERAGE BARS FOR LID CLOSING IS PROHIBITED DUE TO THE POTENTIAL FOR DAMAGE TO BASKETS.

THE GABION LID SHALL THEN BE SECURED TO THE SIDES, ENDS, AND DIAPHRAGMS WITH SPIRAL BINDERS, APPROVED ALTERNATE FASTENERS, OR LACING WIRE WRAPPED WITH ALTERNATING SINGLE AND DOUBLE HALF—HITCHES IN THE MESH

ANY DAMAGE TO THE WIRE OR COATINGS DURING ASSEMBLY, PLACEMENT AND FILLING SHALL BE REPAIRED PROMPTLY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR REPLACED WITH UNDAMAGED GABION BASKETS.

AND SPIRAL FASTENERS SHALL BE PVC COATED. ROCK SHALL CONFORM TO THE QUALITY REQUIREMENTS AS FOLLOWS AND AT LEAST 85 PERCENT IF THE ROCK PARTICLES, BY WEIGHT, SHALL BE WITHIN THE PREDOMINANT ROC SIZE RANGE. RECYCLED CONCRETE MAY BE USED IN LIEU OF THE SPECIFIED AGGREGATE

12"	GABION BASKET P HEIGHT (INCHES)
4 TO 8	PREDOMINANT ROCK SIZE (INCHES)
4	MINIMUM ROCK DIMENSION (INCHES)
œ	MAXIMUM ROO DIMENSION (INCHES)

- IONS AND BEDDING OR SPECIFIED GEOTEXTILES SHALL NOT BE PLACED UNTIL NDATION PREPARATION IS COMPLETED, AND THE SUBGRADE SURFACES HAVE ECTED AND APPROVED BY THE ENGINEER'S REPRESENTATIVE.

 PACTION BEDDING OR FILTER MATERIAL WILL BE REQUIRED PER PLANS AND
- THE SURFACE OF THE FINISHED MATERIAL SHALL BE TO GRADE AND FREE OF MOUNDS, DIPS OR WINDROWS. EXTRA CARE SHOULD BE TAKEN WITH FOUNDATION PREPARATIONS ORDER TO ENSURE A LEVEL AND SMOOTH SURFACE.

 THE ASSEMBLY AND PLACEMENT OF GABIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING PROCEDURES:

- THE FOUNDATION ON WHICH THE GABIONS ARE TO BE PLACED SHALL BE CUT OR FILLED AND GRADED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS.
 SURFACE IRREGULARITIES, LOOSE MATERIAL, VEGETATION, AND ALL FOREIGN MATTER SHALL BE REMOVED FROM FOUNDATION SURFACE AREA.
 WHEN FILL IS REQUIRED, IT SHALL CONSIST OF MATERIALS CONFORMING TO THE SPECIFIED REQUIREMENTS.

- 10.

- 13.4. THE ADJACENT GABIONS ALONG THE TOP, BOTTOM, AND VERTICAL EDGES USING LACING WIRE OR SPIRALS. WRAP THE WIRE WITH ALTERNATING SINGLE AND DOUBLE HALF HITCHES AT INTERVALS BETWEEN FOUR (4) TO SIX (6) INCHES. SPIRAL FASTENERS ARE COMMONLY USED FOR THE ASSEMBLY AND INTERCONNECTION OF WELDED MESH GABIONS. SPIRALS ARE SCREWED DOWN AT THE CONNECTING EDGES THEN EACH END OF THE SPIRAL IS CRIMPED TO SECURE IT IN PLACE. LACING MAY BE USED AS NEEDED TO SUPPLEMENT THE INTERCONNECTION OF WELDED MESH GABIONS, ADN THE CLOSING OF LIDS.

 INTERCONNECT EACH LAYER OF GABIONS TO THE UNDERLYING LAYER OF GABIONS ALONG THE FRONT, BACK, AND SIDES. STAGGER THE VERTICAL JOINTS BETWEEN THE GABIONS OF ADJACENT ROWS AND LAYER BY AT LEAST ONE—HALF OF A CELL
- COMMON SIDES PROPERLY CONNECTED, THEY SHALTENSION TO GAIN A UNIFORM ALIGNMENT. STAKING TO MAINTAIN THE ESTABLISHED PROPER ALIGNMEN THE ROCK. NO TEMPORARY SSTAKES SHALL BE PLEATERIAL. CONNECTING LACING WIRE AND OTHER IS ATTACHED DURING THE FILLING OPERATION TO SHAPE OF THE STRUCTURE. CENT EMPTY WIRE GABION UNITS ARE SET INLINE AND GRADE AND DES PROPERLY CONNECTED, THEY SHALL BE PLACED IN STRAIGHT-LINE GAIN A UNIFORM ALIGNMENT. STAKING OF THE GABIONS MAY BE DONE IN THE ESTABLISHED PROPER ALIGNMENT PRIOR TO THE PLACEMENT OF NO TEMPORARY SSTAKES SHALL BE PLACED THROUGH GEOTEXTILE

TYPE OF WIRE

MESH SIZE (INCHES)

WIRE DIAMETER PVC COATING (INCHES)

TOTAL DIAMETER (INCHES)

GALVANIZED COATING OZ./SF

TABLE 1 (MINIMUM REQUIREMENTS)
- HEIGHT 12, 18, OR 36 INCHES, LENGTH

WELDED MESH

0.086 0.118 0.105 0.105

- INTERNAL CONNECTING CROSS—TILE WIRES SHALL BE PLACED IN EACH
 UNRESTRAINED GABION CELL GREATER THAN 18 INCHES IN HEIGHT, INCLUDING
 GABION CELLS LEFT TEMPORARILY UNRESTRAINED. TWO INTERNAL CONNECTING WIRES
 SHALL BE PLACED CONCURRENTLY WITH ROCK PLACEMENT, AT EACH 12—INCH
 INTERVAL OF DEPTH.
 IN WELDED MESH GABIONS THESE CROSSTIES OR STIFFENERS WILL BE PLACED
 ACROSS THE CORNERS OF THE GABIONS (AT 12 INCHES FROM THE CORNERS)
 PROVIDING DIAGONAL BRACING. LACING WIRE OR PREFORMED WIRE STIFFENERS MAY R FASTENERS (AS ALLOWED) SHALL TO PRESERVE THE STRENGTH AND

THE FOLLOWING SOIL PARAMETERS, PREPARATION OF THE FINAL DESIG

HAVE BEEN USED FOR THE

DESIGN PARAMETERS*

UNIT WEIGHT (PCF)

IGN PARAMETERS

DESIGN PARAMETERS

-PT 2X4

- APPLIED SURCHARGE LOADING=40 PSF (SNOW LOAD)

 * SOIL PARAMETERS CONERVATIVELY ASSUMED FOR DESIGN
- MINIMUM FACTORS OF SAFETY OVERTURNING
 SLIDING
 BEARING CAPACITY PROVIDED FACTORS OF SAFETY OVERTURNING
 SLIDING
 BEARING CAPACITY
- Ë SHOULD THE ACTUAL SOIL CONDITIONS OBSERVED DURING CONSTRUCTION DIFFER FROM THOSE ASSUMED FOR THE DESIGN, DESIGN SHALL BE REVIEWED BY THE WALL DESIGN ENGINEER AT THE OWNER'S GEOTECHNICAL ENGINEER'S DIRECTION.

1×6

VISION DATE PER PB MICS

6-1-20

ATZL, NASHER & ZIGLER P.C. ENGINEERS-SURVEYORS-PLANNERS

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MOOD SIDING WOOD SIDING SIDING ON METAL STRAP' ANCHORED IN GABION WALL @ 4'X4' LPT 2X4 -PT 2X4

TYP. DETAIL FOR WOOD:

GABION WALL

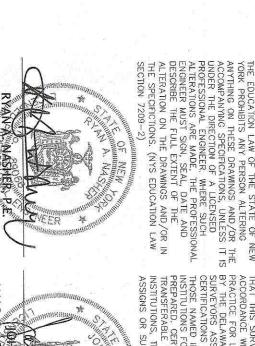
SCALE: N.T.S.

PIES FROM THE ORIGINAL TRACII URVEY MAP MARKED WITH THE VEYOR'S EMBOSSED SEAL SHALL PERED TO BE VALID TRUE

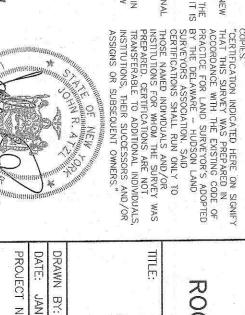
119 TWEED BLVD., LLC

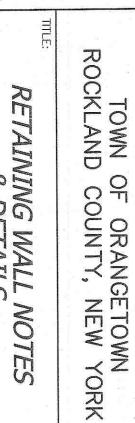












RETAINING WALL NOTES & DETAILS

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