

DEMOLITION NOTES:

- IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL BE REQUIRED TO CALL THE BOARD OF PUBLIC UTILITIES ONE CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARK OUT IN ADVANCE OF ANY EXCAVATION, DIG SAFELY, NEW YORK, 1-800-862-7902 OR 914-496-6000 FOR CONFERENCE. WILL NEED TO BE ARRANGED WITH DIG SAFELY, NEW YORK AND MUST BE HELD A MINIMUM OF 7 DAYS BEFORE THE START OF ANY DEMOLITION.
- THE ACCURACY AND COMPLETENESS OF THIS INFORMATION HAS BEEN PROVIDED TO THE BEST ABILITY OF THE ENGINEER. HOWEVER, THE CONTRACTOR IS ADVISED TO VERIFY IN THE FIELD ALL THE FACTORS CONCERNING THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION AND CONSTRUCTION. LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE TO BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR.
- THIS SET OF PLANS HAS BEEN PREPARED FOR PURPOSE OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE USED AS CONSTRUCTION DOCUMENTS UNLESS THE CONTRACTOR PRIOR TO HIS SUBSCRIPTION PRIOR TO EXCAVATION, WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO VERIFY THE LOCATION OF ALL UTILITIES. THE CLIENT OR OWNER AND CONTRACTOR ARE RESPONSIBLE TO ASSURE THAT THE APPROVED PLANS ONLY, ARE USED FOR EXCAVATION AND CONSTRUCTION.
- DO NOT SCALE DRAWINGS AS THEY PERTAIN TO ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC. THEY ARE SCHEMATIC ONLY, EXCEPT WHERE DIMENSIONS ARE SHOWN THERETO.
- EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND CANNOT BE GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO VERIFY THE LOCATION OF ALL UTILITIES. THE CLIENT OR OWNER AND CONTRACTOR ARE RESPONSIBLE TO ASSURE THAT THE APPROVED PLANS ONLY, ARE USED FOR EXCAVATION AND CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING.
- ALL DEMOLITION DEBRIS TO BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
- ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS, AS WELL AS ALL FEDERAL, STATE AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR TO MASER CONSULTING, P.A. IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.
- PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR:
 - ENSURING COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW (SEE "EROSION AND SEDIMENT CONTROL PLAN" THIS DRAWING SET).
 - INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
 - ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.
 - PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEMS THAT ARE NOT TO BE REMOVED DURING ALL DEMOLITION ACTIVITIES.
 - FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
 - CLEAN THE EXISTING UTILITY STRUCTURES ON-SITE PRIOR TO CONSTRUCTION AND VERIFY THE INVERTS FOR CONNECTION.
- COORDINATION WITH UTILITY COMPANIES AND THE TOWN OF GUILDERLAND REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.
- A COMPLETE INSPECTION FOR CONTAMINANTS BY A LICENSED ENVIRONMENTAL TESTING AGENCY SHALL BE PERFORMED OF ALL BUILDINGS AND/OR STRUCTURES PRIOR TO REMOVAL. SAME SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS. HAZARDOUS CONTAMINANTS SHALL BE REMOVED AND DISPOSED OF BY A FEDERALLY LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS. THE SOLE RESPONSIBILITY OF THE OWNERS ENVIRONMENTAL CONSULTANT.
- MASER CONSULTING, P.A. IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE O.S.H.A. REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY.
- THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT SETTLEMENT, BURSTURE, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION.
- THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES. DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNERS STRUCTURAL OR GEOTECHNICAL ENGINEER.
- ROCK EXCAVATIONS WILL BE PERFORMED BY MECHANICAL MEANS ONLY. USE OF EXPLOSIVES IS PROHIBITED. ALL THE REQUIRED PERMITS AND CONTROLS THAT ARE REQUIRED BY THE FEDERAL, STATE AND LOCAL GOVERNMENTS SHALL BE IN PLACE PRIOR TO STARTING. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES AS REQUIRED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
- THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING PRE-EXISTING CONDITIONS WHICH ARE TO BE REMOVED. IF IT IS INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL O.S.H.A. AND OTHER SAFETY PRECAUTIONS NECESSARY TO PRODUCE A SAFE WORK SITE.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.
- DEMOLITION SHALL NOT PROCEED UNTIL THE APPROXIMATE LOCATION OF THE EXISTING UTILITIES ARE MARKED IN THE FIELD AND ALL UTILITY CONNECTIONS ARE SUITABLY SHUT OFF AND DISCONNECTED AND PROPER DEMOLITION PERMITS ARE IN PLACE WITH THE CITY.
- PROTECT ALL EXISTING UTILITIES TO REMAIN (INCLUDING ORNAMENTAL STRUCTURES, HYDRANTS, VALVES, SEWER MANHOLES, ETC.) DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY HISSELF OR SUB-CONTRACTORS.
- CONTRACTOR TO RESET ALL UTILITY CASTINGS TO FINISHED GRADE.
- CONTRACTOR TO MAINTAIN ALL UTILITY SERVICES TO SURROUNDING OFF-SITE BUILDINGS.
- THE DEMOLITION CONTRACTOR AND GENERAL CONTRACTOR SHALL BE DEEMED TO HAVE VISITED THE SITE AND ACCEPTED THE SITE AS IS.
- THE DEMOLITION CONTRACTOR SHALL CARRY OUT THE WORK OF THIS CONTRACT PLACING THE SAFETY AND PROTECTION OF THE SURROUNDING COMMUNITY AND PROPERTY AT THE HIGHEST PRIORITY. THE DEMOLITION CONTRACTOR SHALL IMPLEMENT SPECIFIED MEASURES, AND ANY OTHER MEASURES DEEMED NECESSARY, TO PROTECT ADJACENT AND ON-SITE PROPERTY, BUILDINGS, HOMES, BUSINESSES, FACILITIES AND UTILITIES.
- THE DEMOLITION CONTRACTOR SHALL ENSURE FREE AND SAFE PASSAGE OF PERSONS AROUND THE AREA OF THE DEMOLITION AS DIRECTED BY THE OWNER AND THE BOROUGH OFFICIALS. ALL OPERATIONS SHALL BE CONDUCTED SO AS TO PREVENT DAMAGE TO ADJACENT BUILDINGS, STRUCTURES, OTHER FACILITIES, AND INJURY TO PERSONS, BOTH PEDESTRIAN AND WORKERS ALIKE.
- THE DEMOLITION CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING THE SECURITY OF THE PROJECT SITE DURING ALL NONWORKING HOURS, SEVEN DAYS A WEEK.
- ALL UTILITY LOCATIONS ARE APPROXIMATE AND ADDITIONAL UTILITIES MAY EXIST. IT SHALL BE THE DEMOLITION CONTRACTORS RESPONSIBILITY TO IDENTIFY THE ACTUAL LOCATION OF ALL UTILITIES IMPACTED BY THIS WORK, AND WHICH MUST BE MAINTAINED OR REMOVED, WHETHER SHOWN OR NOT SHOWN ON THE CONTRACT DRAWINGS.
- THE DEMOLITION CONTRACTOR SHALL COMPLETELY REMOVE ALL UTILITY SERVICE CONNECTIONS AND APPURTENANCES TO ALL FACILITIES WITHIN THE DEMOLITION AREA UNLESS OTHERWISE NOTED. ALL FOUNDATIONS ARE TO BE COMPLETELY REMOVED.
- ALL BUILDING STRUCTURE AND FACILITY FOUNDATIONS ARE TO BE REMOVED COMPLETELY BY THE DEMOLITION CONTRACTOR.
- THE DEMOLITION CONTRACTOR SHALL BACKFILL ALL VOIDS REMAINING FROM THE REMOVAL OF FOUNDATIONS, UTILITIES AND OTHER SUBSURFACE ELEMENTS WITH STRUCTURAL COMPACTED FILL MATERIAL IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
- THE DEMOLITION CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF OFF-SITE ANY HAZARDOUS MATERIALS ENCOUNTERED DURING THE DEMOLITION OR SITE CLEARING ACTIVITIES. BEFORE ANY OFF-SITE REMOVALS, THE DEMOLITION CONTRACTOR HAS TO PROVIDE, IN WRITING, THE PROPOSED DESTINATION OF ALL MATERIALS.
- DEMOLITION AND BACKFILLING WORK IS TO BE PERFORMED IN DRY WEATHER.
- THE DEMOLITION CONTRACTOR SHALL COORDINATE ALL UTILITY REMOVAL WITH EACH RESPECTIVE UTILITY PROVIDER.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROL, AFTER EACH RAINFALL EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADE, RESEEDING, REMULCHING, AND RESEEDING, MUST BE PERFORMED IMMEDIATELY.
- ALL PERISHABLE AND OBJECTIONABLE MATERIAL INCLUDING BUT NOT LIMITED TO: BOARDS, TREES, BRUSH, SHRUBS, LOGS, STUMPS, ROOTS, AND OTHER ORGANIC MATTER SHALL BE REMOVED FROM THE CONSTRUCTION SITE.

- DEMOLITION SEQUENCE OF ACTIVITIES:**
- AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL INVIATE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PREPARER, AND THE SOIL CONSERVATION DISTRICT TO AN ON-SITE MEETING.
- AT LEAST THREE (3) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED ON THOSE ACTIVITIES SHALL NOTIFY THE NEW YORK UTILITY ONE-CALL SYSTEM AT 811 TO ORDER A UTILITY MARK-OUT.
- ALL STRUCTURES ASSOCIATED WITH THE CONSTRUCTION OF SEDIMENT REMOVAL FACILITIES MUST BE ON-SITE PRIOR TO EARTH DISTURBANCE.
- CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO INSTITUTE ADDITIONAL MEASURES IF ANY EROSION AND SEDIMENTATION CONTROL PROBLEMS ARISE PRIOR TO THE STABILIZATION OF EROSION AND SEDIMENTATION CONTROL MEASURES ON-SITE.
1. THE TOWN OF GUILDERLAND AND THE SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 72 HOURS PRIOR TO ANY LAND DISTURBANCE.
 2. INSTALL FILTER SOCK SEDIMENT CONTROL BARRIERS AS SHOWN ON THIS PLAN.
 3. INSTALL SEDIMENT CONTROL DEVICES OVER EXISTING STORM SEWER STRUCTURES.
 4. LOCATE AND DISCONNECT ALL ON-SITE UTILITIES. REMOVE EXISTING UTILITY SERVICE FEATURES AND CONNECTIONS. UTILITY REMOVAL SHALL BE COORDINATED WITH EACH RESPECTIVE UTILITY SERVICE PROVIDER.
 5. BEGIN DEMOLITION OF ABOVE GROUND STRUCTURES AND FOUNDATIONS.
 6. RELOCATE OR REMOVE UNDERGROUND UTILITIES.
 7. DEMOLISH REMAINING EXISTING SITE ELEMENTS AND BELOW GRADE STRUCTURES INCLUDING BUT NOT LIMITED TO BUILDING FOUNDATIONS, UTILITY FOUNDATIONS, SITE LIGHTING STRUCTURES AND FOUNDATIONS, UNDERGROUND VAULTS, WIRING AND PIPING. REMOVE AND DISPOSE ALL DEBRIS OFF-SITE.
 8. BACKFILL ALL VOIDS CREATED FROM DEMOLITION AND UTILITY REMOVAL WITH STRUCTURAL FILL MATERIAL PLACED AND COMPACTED IN ACCORDANCE WITH TECHNICAL SPECIFICATION.
 9. REMOVE ASPHALT PAVING, PAVERS AND CONCRETE PADS. DISPOSE OF DEBRIS OFF-SITE.
 10. INSPECT AND RECONITION EROSION CONTROL MEASURES IN PREPARATION FOR THE NEXT PHASE OF SITE DEVELOPMENT.

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811 PROTECT YOURSELF
 ALL STATES REQUIRE NOTIFICATION OF EXISTING UTILITIES OR ANY OTHER SERVICES PRIOR TO EXCAVATION OR ANY OTHER WORK THAT MAY DISTURB THE EARTH'S SURFACE OR UNDERGROUND UTILITIES.
 Call before you dig
 Call 811 for more information
 FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: www.call811.com

REV	DATE	DESCRIPTION
1	10/28/19	ISSUE FOR PERMIT
2	10/28/19	ISSUE FOR PERMIT
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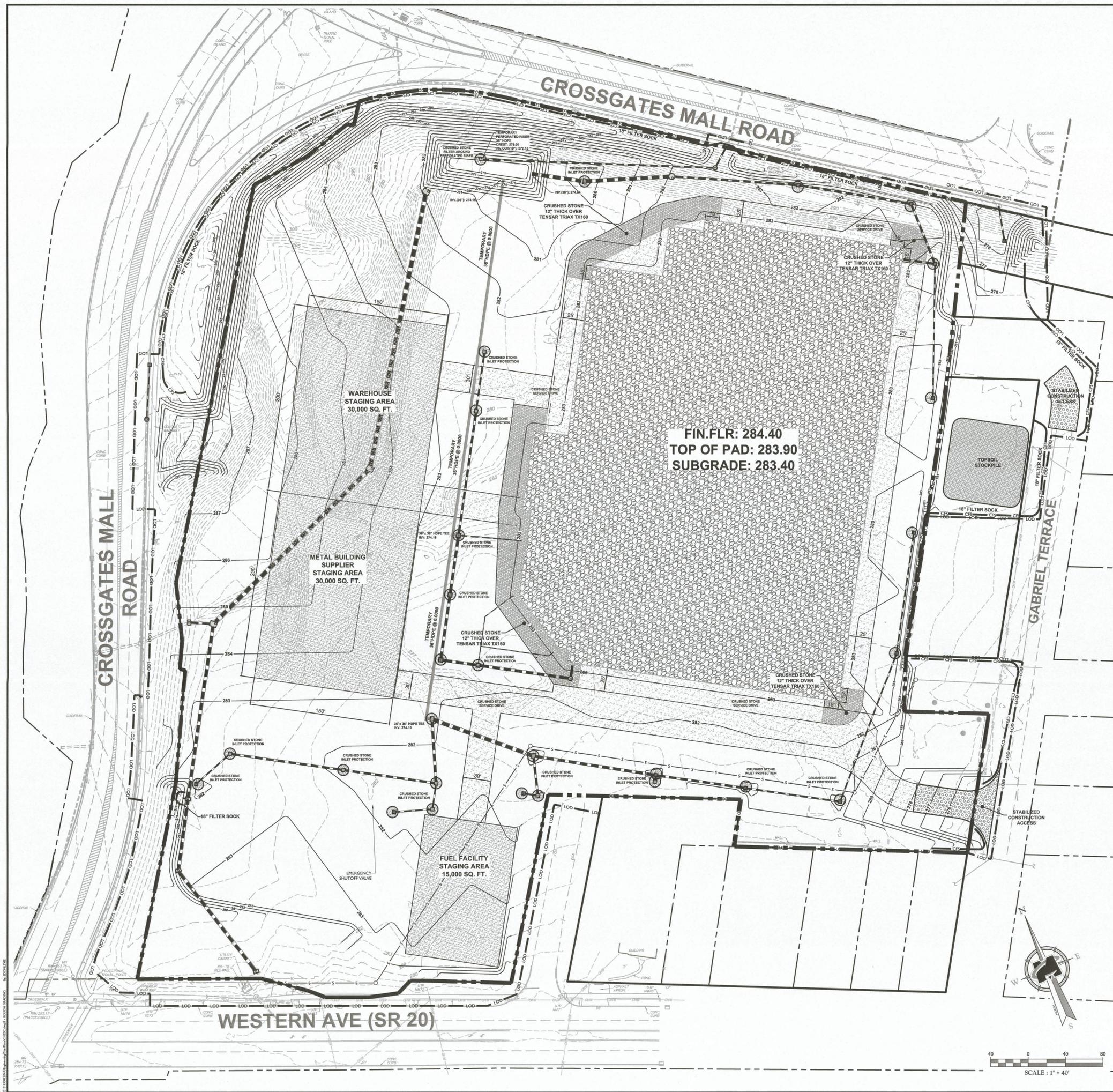
RUSSELL T. McFALL II
 NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 090030

PRELIMINARY/FINAL LAND DEVELOPMENT
 FOR
COSTCO WHOLESALE
 CROSSGATES MALL
 TAX MAP 52.10 & 52.14
 TOWN OF GUILDERLAND
 ALBANY COUNTY
 STATE OF NEW YORK

EXTON OFFICE
 410 Eggenwien Boulevard
 Exton, PA 19341
 Phone: 610.254.9140
 Fax: 610.254.9141

SCALE: AS SHOWN DATE: 10/28/19 DRAWN BY: DJH CHECKED BY: RTM
 PROJECT NUMBER: 13001204A DRAWING NAME: C-585C

SHEET TITLE: EROSION CONTROL DEMOLITION PLAN
 SHEET NUMBER: 7 of 20



ROUGH GRADING SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN FOURTEEN (14) DAYS FOR DISTURBANCES LESS THAN FIVE (5) ACRES AND SEVEN (7) DAYS FOR DISTURBANCES GREATER THAN FIVE (5) ACRES, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
- PERMANENT VEGETATION TO BE SEED OR SOILED ON ALL EXPOSED AREAS WITHIN FIVE (5) DAYS AFTER FINAL GRADING. MULCHING IS REQUIRED ON ALL SEEDING WHEN HYDROSEEDING. MULCH SHALL NOT BE PLACED ON THE SEED.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- A SUBBASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
- IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF TWELVE (12) INCHES OF SOIL, HAVING A PH OF 5 OR MORE PRIOR TO SEEDING PREPARATION. AREAS WHERE TREES OR SHRUBS ARE TO BE PLANTED SHALL BE COVERED WITH A MINIMUM OF TWENTY-FOUR (24) INCHES OF SOIL HAVING A PH OF 5 OR MORE.
- AT THE TIME THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A MANNER THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
- CONDUIT OUTLET PROTECTION MUST BE REVIEWED AND SUPPLEMENTED AT ALL OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- UNFILTERED DRAINAGE IS NOT PERMITTED. TAKE ALL NECESSARY PRECAUTIONS DURING ALL DRAINAGE OPERATIONS TO MINIMIZE SEDIMENT TRANSPORT. ANY DRAINAGE METHODS USED MUST BE IN ACCORDANCE WITH STATE STANDARDS.
- THE CONTROL OF JUST AT THE SITE, NECESSARY TO SITE, WILL BE SPRINKLED UNTIL THE VEGETATIVE COVER IS WET. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
- THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION AND SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- STOCKPILE AND STAGING LOCATIONS DETERMINED IN THE FIELD, SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN.
- CONCRETE WASHOUT, DUMPTER, AND STAGING AREA LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED AT THE PRE-CONSTRUCTION MEETING. THEY SHALL BE PLACED IN THE PROXIMITY OF THE CONSTRUCTION ENTRANCE AND STAGING AREAS AND SHALL BE USED PRIOR TO EXITING THE PROJECT SITE. THE LOCATION SHALL BE A PRACTICAL, CLEARLY DELINEATED, AREA AND BE MAINTAINED THROUGHOUT CONSTRUCTION.
- ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- IF SOIL ACTIVITIES HAVE BEEN TEMPORARILY SUSPENDED, IN WINTER SHUTDOWN, ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED AND ONCE A MONTH INSPECTIONS CAN OCCUR.
- ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED BY THE PROPERTY OWNER, AND SHALL BECOME THEIR RESPONSIBILITY.
- PAVEMENT AREAS ARE TO BE KEPT CLEAN AT ALL TIMES.
- DURING CONSTRUCTION, ANY ADDITIONAL CONTROL MEASURES DEEMED NECESSARY TO PREVENT EROSION OR CONTROL SEDIMENT BEYOND THESE MEASURES SHOWN ON THE APPROVED PLAN SHALL BE INSTALLED OR EMPLOYED AT THE DIRECTION OF THE PROJECT ENGINEER.
- ALL TEMPORARY, STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES CAN BE REMOVED, WHEN ALL CONSTRUCTION ACTIVITY IDENTIFIED IN THE SWPPP HAS BEEN COMPLETED. ALL AREAS OF DISTURBANCE HAVE ACHIEVED FINAL STABILIZATION AND ALL POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES HAVE BEEN CONSTRUCTED IN CONFORMANCE WITH THE SWPPP AND ARE OPERATIONAL.

ROUGH GRADING SEQUENCE OF ACTIVITIES:

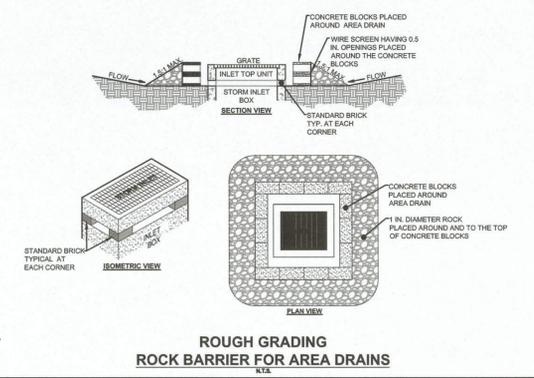
- AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL WRITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PREPARER, AND THE HUDSON RIVER ECOSYSTEM SOIL CONSERVATION DISTRICT TO AN MEETING.
- ALL STRUCTURES ASSOCIATED WITH THE CONSTRUCTION OF SEDIMENT REMOVAL FACILITIES MUST BE ON-SITE PRIOR TO EARTH DISTURBANCE.
- CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO SUBSTITUTE ADDITIONAL MEASURES IF ANY EROSION AND SEDIMENTATION CONTROL PROBLEMS ARISE PRIOR TO THE STABILIZATION OF EROSION AND SEDIMENTATION CONTROL MEASURES ON-SITE.
- THIS PLAN IS A CONTINUATION OF PROCEDURES INITIATED ON THE INITIAL SITE PREPARATION PLAN.
- INSPECT ALL SOIL EROSION / SEDIMENT CONTROL MEASURES CONSTRUCTED AS PART OF THE INITIAL SITE PREPARATION ACTIVITIES INCLUDING BUT NOT LIMITED TO SEDIMENT CONTROL BARRIERS, INLET PROTECTION AND CONSTRUCTION ACCESS, REPAIR OR REPLACE AS NECESSARY.
 - BEGIN ROUGH GRADING, FILLING AND COMPACTING SITE.
 - CONSTRUCT STORM SEWERS AS ROUGH GRADING OPERATIONS PERMIT.
 - ALL STORM INLETS CONSTRUCTED DURING ROUGH GRADING OPERATIONS ARE TO HAVE HOODS RAISED ON BRICKS TO FACILITATE RUNOFF ENTERING THE INLET DURING ROUGH GRADING. ALL INLET HOODS TO HAVE CRUSHED STONE SEDIMENT PROTECTION INSTALLED AS SOON AS INLET TOPS ARE SET.
 - CONSTRUCTION OF SANITARY SEWERS, WATER MAINS AND GAS SERVICE CAN BE CONSTRUCTED AS ROUGH GRADING OPERATIONS PERMIT.
 - CURBING CAN BE CONSTRUCTED AS ROUGH GRADING PROGRESSES AND CONDITIONS ALLOW.
 - PAVING STONE BASE CAN BE PLACED AS ROUGH GRADING PROGRESSES AND CONDITIONS ALLOW.
 - COMPLETE ROUGH GRADING OF SITE.
 - AS SOON AS SUBGRADE ELEVATION HAS BEEN ESTABLISHED WITHIN THE LIMITS OF THE BUILDING, PLACE AND COMPACT CRUSHED STONE BUILDING PAD, ESTABLISH PAVED PAD PROTECTION.
 - CONSTRUCT CRUSHED STONE LAYDOWN AREAS AND 25 FT. WIDE CRUSHED STONE ACCESS DRIVE AS INDICATED ON THIS PLAN.
 - CONSTRUCTION OF BUILDING CAN BEGIN AS SOON AS THE BUILDING PAD AND LAYDOWN AREAS ARE IN PLACE AND HAVE BEEN APPROVED.
 - CONSTRUCTION OF GASOLINE FUELING FACILITIES CAN BEGIN AS SOON AS THE BUILDING PAD AND LAYDOWN AREAS ARE IN PLACE AND HAVE BEEN APPROVED.
 - CONSTRUCT BUILDING UTILITY SERVICE CONNECTIONS TO WITHIN 5 FEET OF THE BUILDING LIMITS.
 - INSPECT AND RECONSTRUCT EROSION CONTROL MEASURES IN PREPARATION FOR THE NEXT PHASE OF CONSTRUCTION.

FILL MATERIALS, PLACEMENT AND COMPACTION

- SITE PREPARATION**
- INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION/SEDIMENT CONTROL PLANS.
 - DECOMMISSION AND REMOVE ALL UNDERGROUND AND ABOVE-GROUND UTILITIES IN BUILDING AREAS.
 - COMPLETELY REMOVE FROM BUILDING AREAS ALL EXISTING STRUCTURES INCLUDING BELOW-GRADE COMPONENTS (FOUNDATIONS, STORAGE TANKS, ETC.) AND OTHER SITE IMPROVEMENTS (ENCLOSURES, LIGHT FIXTURES, ETC.) NOT TO REMAIN.
 - ALL DEMOLISHED COMPONENTS SHOULD BE DISPOSED OFF-SITE.
 - REMOVE AND DISPOSE OFF-SITE ALL TREES AND SURFACE VEGETATION NOT TO REMAIN.
 - STRIP ALL TOPSOIL FROM CONSTRUCTION AREA INCLUDING 5 FEET PERMETER ZONE AND STOCKPILE ON-SITE.
 - EARTHWORK MAY BE PERFORMED USING CONVENTIONAL CONSTRUCTION EQUIPMENT (EXCAVATORS, LOADERS, DOZERS, ETC.).
 - PRIOR TO FILL PLACEMENT, COMPACT EXPOSED SUBGRADE WITH MIN. 15-TON ROLLER AND PROOF-ROLL WITH LOADED TANDEM-AXLE DUMP TRUCK. SELECTIVELY EXCAVATE ANY UNSTABLE AREAS DETECTED AND REPLACE WITH COMPACTED STRUCTURAL FILL. THE EXCAVATED MATERIALS MAY BE REUSED PROVIDED THEY MEET THE CRITERIA FOR STRUCTURAL FILL/BACKFILL.
 - PLACE AND COMPACT STRUCTURAL FILL AS NECESSARY TO ACHIEVE THE FINAL SUBGRADE ELEVATIONS. STRUCTURAL FILL MUST BE BENCHED INTO EXISTING SLOPES WITH MIN. HORIZONTAL AND VERTICAL SLOPE DIMENSIONS OF 5 FEET AND 0.9:1 (OR 1:1) TEMPORARY SLOPE ANGLES.
 - THE CONTRACTOR MUST BE PREPARED TO REMOVE STANDING WATER OR FROZEN PRECIPITATION FROM THE COMPLETED BUILDING PAD SUBGRADE WITHIN 24 HOURS OF EACH PRECIPITATION EVENT THROUGHOUT THE CONSTRUCTION PERIOD.
 - SURFACE RUNOFF SHOULD BE DIRECTED AWAY FROM SOIL SLOPES AND OPEN EXCAVATIONS. SLOPES SHOULD BE PROTECTED FROM PRECIPITATION UNTIL PERMANENT EROSION PROTECTION MEASURES ARE IN PLACE, WHICH SHOULD BE ESTABLISHED AS SOON AS PRACTICAL.
 - ALL EXCAVATIONS SHOULD BE SLOPED, BENCHED, OR SHORED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) WHICH CAN BE FOUND IN THE CODE OF FEDERAL REGULATIONS, TITLE 29, PART 1926 (29 CFR PART 1926), SUBPART M AND P. THE CONTRACTOR SHOULD DESIGNATE AND PROVIDE A "COMPETENT PERSON" WHOSE RESPONSIBILITIES INCLUDE SELECTION OF TEMPORARY SLOPE ANGLES OR SUPPORT SYSTEMS FOR EXCAVATION SIDEWALLS.
 - TEMPORARY SLOPES SHOULD BE MONITORED FOR MOVEMENT DURING THE ENTIRE CONSTRUCTION PERIOD.
 - PERMANENT SOIL SLOPES SHOULD BE DESIGNED AND CONSTRUCTED WITH A SLOPE FACE NO STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (OR 1:1).

STRUCTURAL FILL AND BACKFILL

- ALL FILL PROPOSED FOR SUPPORT OF LOAD-BEARING COMPONENTS (BUILDINGS, PAVEMENTS, ETC.) IS CONSIDERED STRUCTURAL FILL. STRUCTURAL FILL SHOULD CONSIST OF NON-ORGANIC MATERIALS OF MOISTURE CHARACTERISTICS SUITABLE FOR COMPACTION AND BE FREE OF DELETERIOUS MATTER, DEBRIS, CLAY CLODS, AND FROZEN MATERIAL. ON-SITE SOILS EXCAVATED DURING EARTHWORK OPERATIONS THAT MEET THESE CRITERIA MAY BE REUSED AS STRUCTURAL FILL.
- THE MAXIMUM PARTICLE SIZE FOR STRUCTURAL FILL UP TO 6 FEET BELOW THE BUILDING SUBGRADE LEVELS SHOULD BE 1 1/2 INCHES. THE MAXIMUM PARTICLE SIZE WITHIN 6 FEET BELOW THE BUILDING SUBGRADE LEVELS SHOULD BE 3/4 INCHES AND WITHIN 3 FEET BELOW THE BUILDING SUBGRADE LEVELS SHOULD BE 2 INCHES.
- IMPORTED STRUCTURAL FILL MATERIALS SHOULD MEET THE ABOVE CRITERIA AND CONTAIN NO MORE THAN 20% MATERIAL PASSING THE #200 SIEVE WITH A LIQUID LIMIT (LL) NOT EXCEEDING 26 AND PLASTIC INDEX (PI) NOT EXCEEDING 10.
- STRUCTURAL FILL SHOULD BE PLACED IN HORIZONTAL LIFTS NOT EXCEEDING 12 INCHES IN LOOSE THICKNESS. THINNER LIFTS MAY BE REQUIRED DEPENDING ON MATERIAL TYPE, PREVAILING WEATHER CONDITIONS, AND PERFORMANCE OF THE COMPACTED SOIL. ALL FILL MATERIAL SHOULD BE PLACED ON APPROVED SUBGRADES, PROPERLY STRIPPED AND SCARIFIED AS NEEDED.
- FILL SHOULD NOT BE PLACED ON FROZEN OR SATURATED SUBGRADES.
- FILL SHOULD BE PLACED AND COMPACTED TO COSTCO'S MINIMUM COMPACTION REQUIREMENTS INCLUDED IN THE GEOTECHNICAL REPORT.
- IN-SITU DENSITY TESTS SHOULD BE PERFORMED FOR EACH LIFT OF FILL AT A MINIMUM FREQUENCY SPECIFIED BY COSTCO AND INCLUDED IN THE GEOTECHNICAL REPORT.



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PRELIMINARY/FINAL LAND DEVELOPMENT

FOR

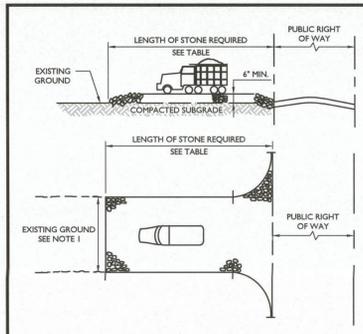
CROSSGATES MALL

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STATE OF NEW YORK

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PROJECT NUMBER: 13001204A	DRAWING NAME: C-555C	EXTON OFFICE 410 Englewood Boulevard Suite 104 Exton, PA 19341 Phone: 610.254.9140 Fax: 610.254.9141	

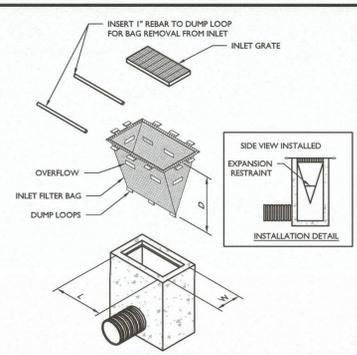
ROUGH GRADING ROCK BARRIER FOR AREA DRAINS

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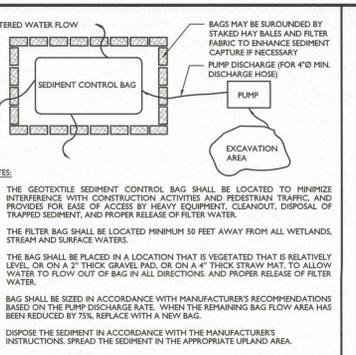


PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0% TO 2%	50 FT	100 FT
2% TO 5%	100 FT	200 FT
> 5%	ENTIRE SURFACE STABILIZED WITH HMA BASE COURSE, MK1.2	

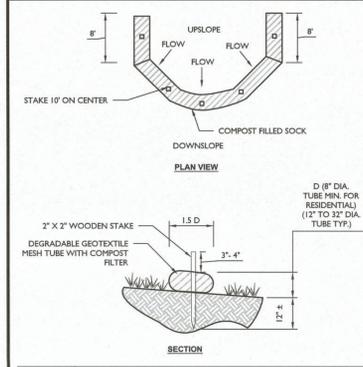
STABILIZED CONSTRUCTION ACCESS DETAIL



INLET PROTECTION (FILTER BAG) DETAIL



SEDIMENT CONTROL BAG FOR DEWATERING DETAIL



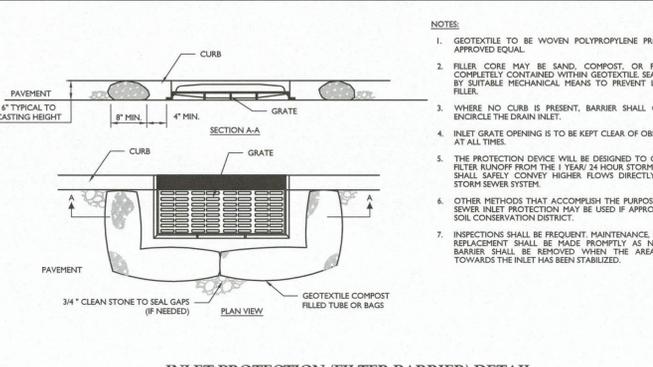
INLET PROTECTION (FILTER BARRIER) DETAIL

DIA. (in.)	SLOPES				
	2	5	10	20	33
8	225*	200	100	50	20
12	250	225	125	65	40
18	275	250	150	70	45
24	350	275	200	130	60
32	450	325	275	150	75

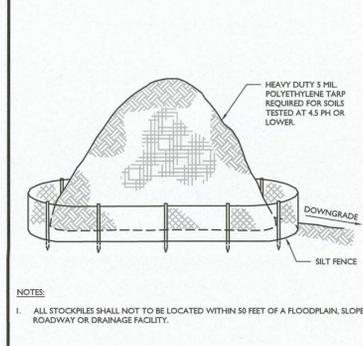
*Length in feet.



COMPOST FILTER SOCK DETAIL



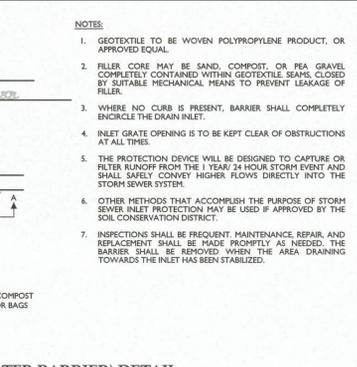
EROSION MATTING (CURLEX ENFORCER I) DETAIL



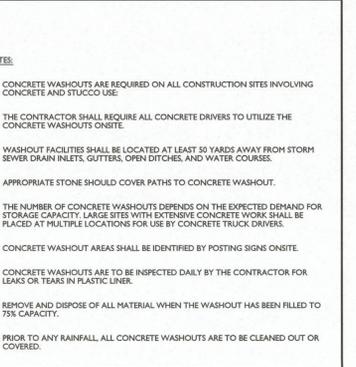
TOPSOIL STOCKPILE DETAIL



STABILIZED CONSTRUCTION ACCESS DETAIL



INLET PROTECTION (FILTER BAG) DETAIL



CONCRETE WASHOUT NOTES

DIA. (in.)	2	5	10	20	33	50
8	225*	200	100	50	20	-
12	250	225	125	65	40	25
18	275	250	150	70	45	30
24	350	275	200	130	60	35
32	450	325	275	150	75	50

*Length in feet.



EROSION MATTING (CURLEX ENFORCER I) DETAIL

DIA. (in.)	2	5	10	20	33	50
8	225*	200	100	50	20	-
12	250	225	125	65	40	25
18	275	250	150	70	45	30
24	350	275	200	130	60	35
32	450	325	275	150	75	50

*Length in feet.



EROSION MATTING (CURLEX ENFORCER I) DETAIL

DIA. (in.)	2	5	10	20	33	50
8	225*	200	100	50	20	-
12	250	225	125	65	40	25
18	275	250	150	70	45	30
24	350	275	200	130	60	35
32	450	325	275	150	75	50

*Length in feet.



EROSION MATTING (CURLEX ENFORCER I) DETAIL

DIA. (in.)	2	5	10	20	33	50
8	225*	200	100	50	20	-
12	250	225	125	65	40	25
18	275	250	150	70	45	30
24	350	275	200	130	60	35
32	450	325	275	150	75	50

*Length in feet.



EROSION MATTING (CURLEX ENFORCER I) DETAIL

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12	250	225	125	65	40	25
18	275	250	150	70	45	30
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32	450	325	275	150	75	50

*Length in feet.



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32	450	325	275	150	75	50

*Length in feet.



EROSION MATTING (CURLEX ENFORCER I) DETAIL

DIA.
