



TURF CARE CENTER

VIEW FROM YARD



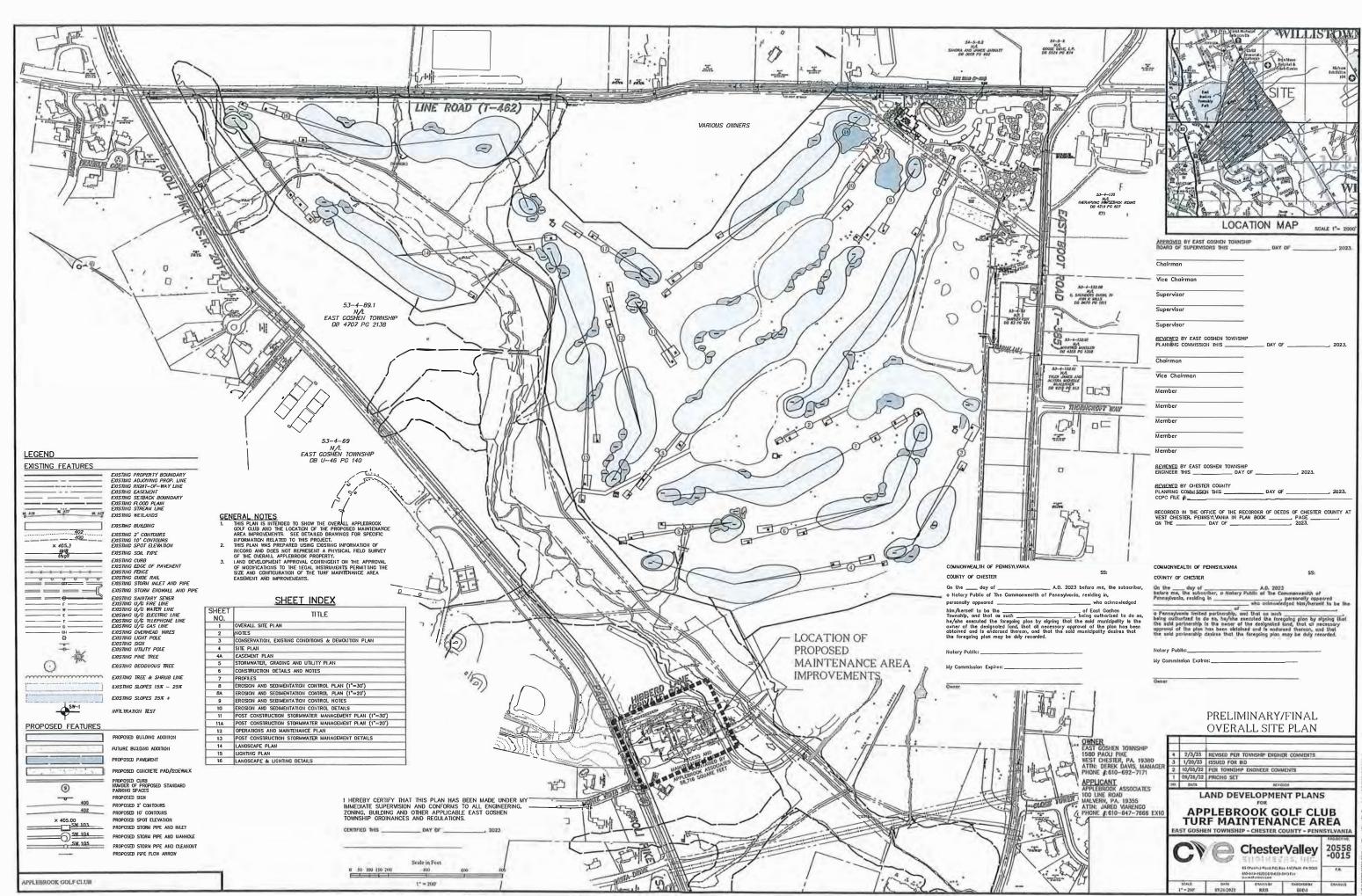




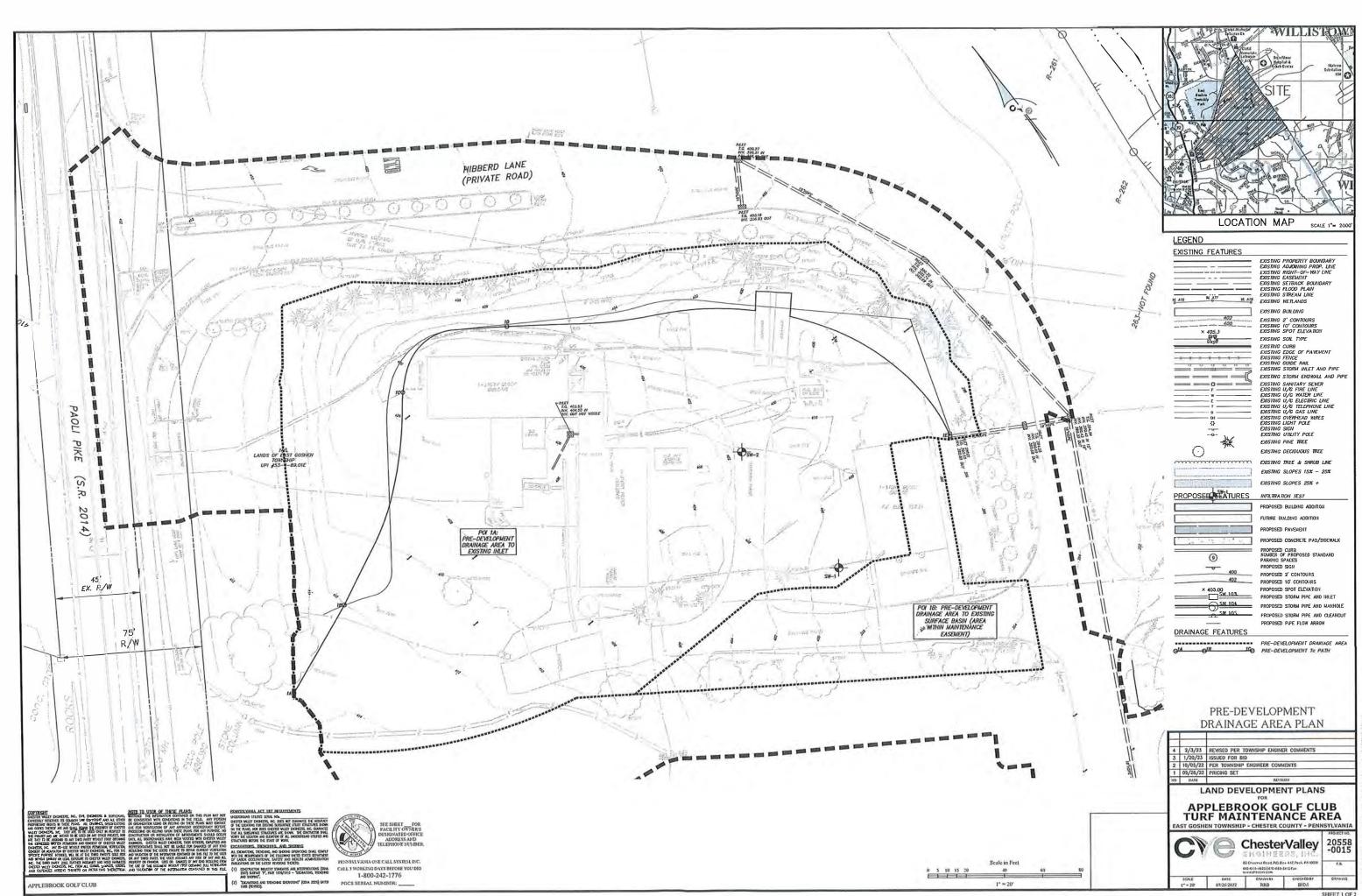
TURF CARE CENTER

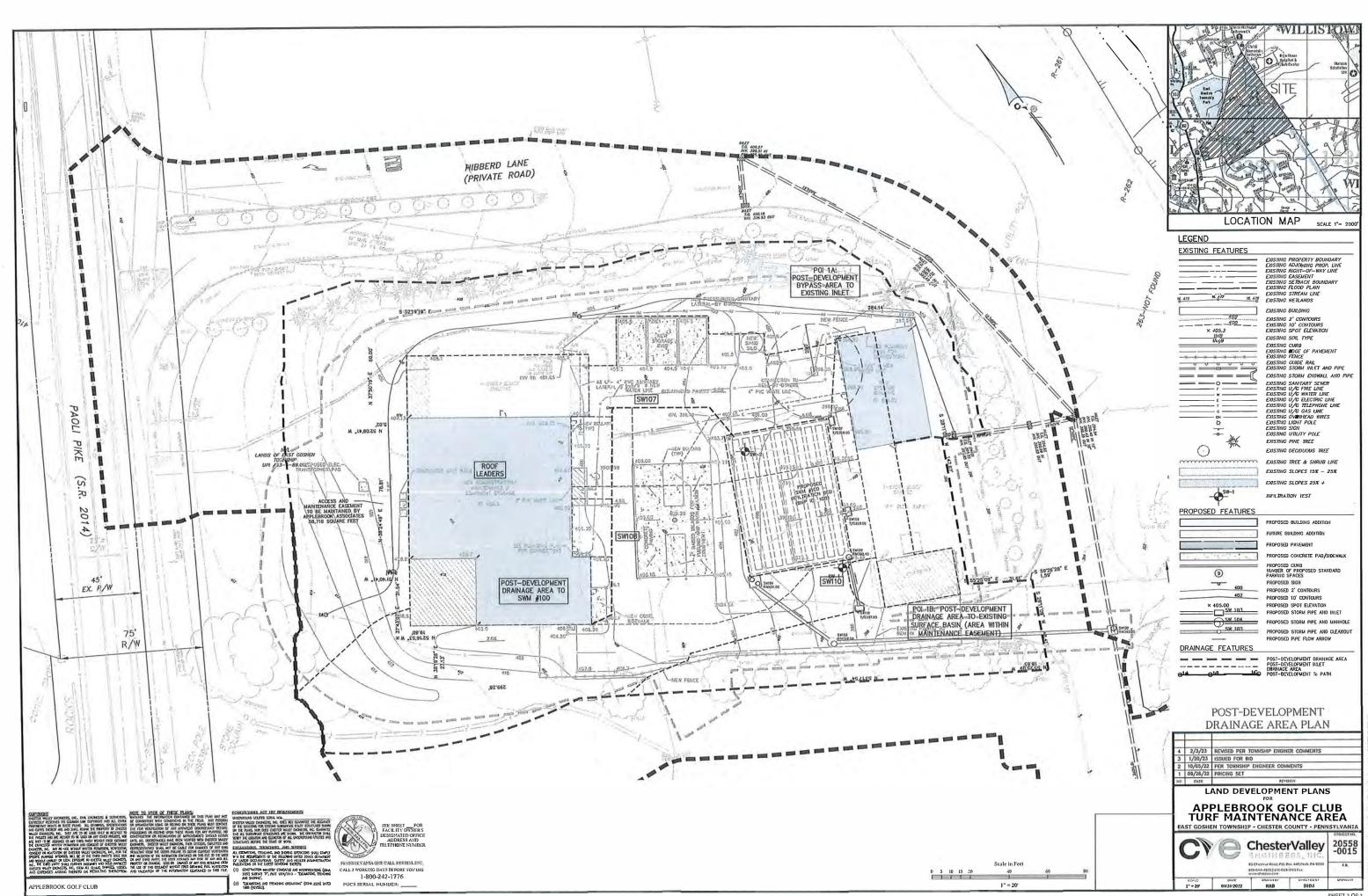
VIEW FROM PAOLI PIKE

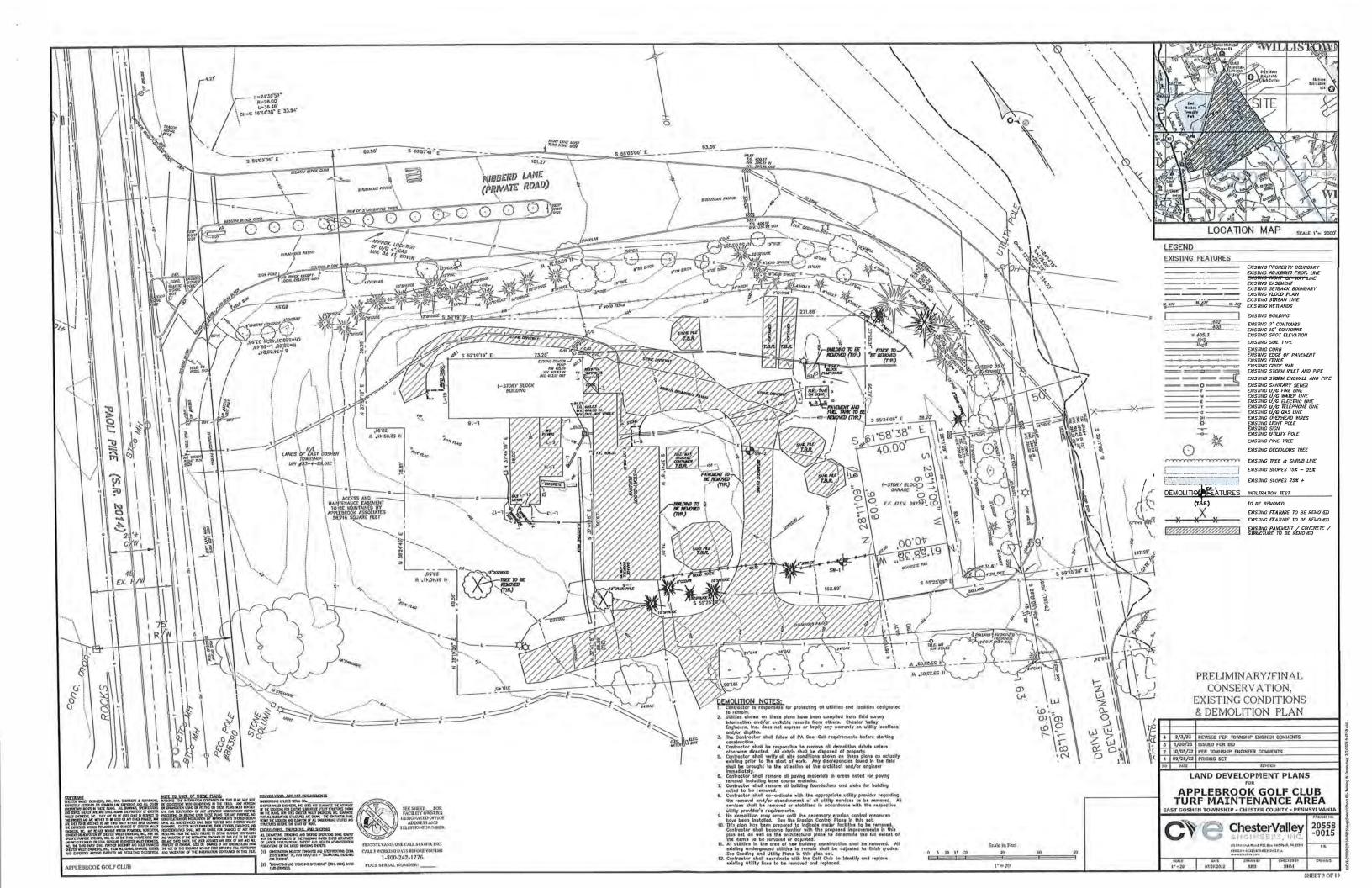


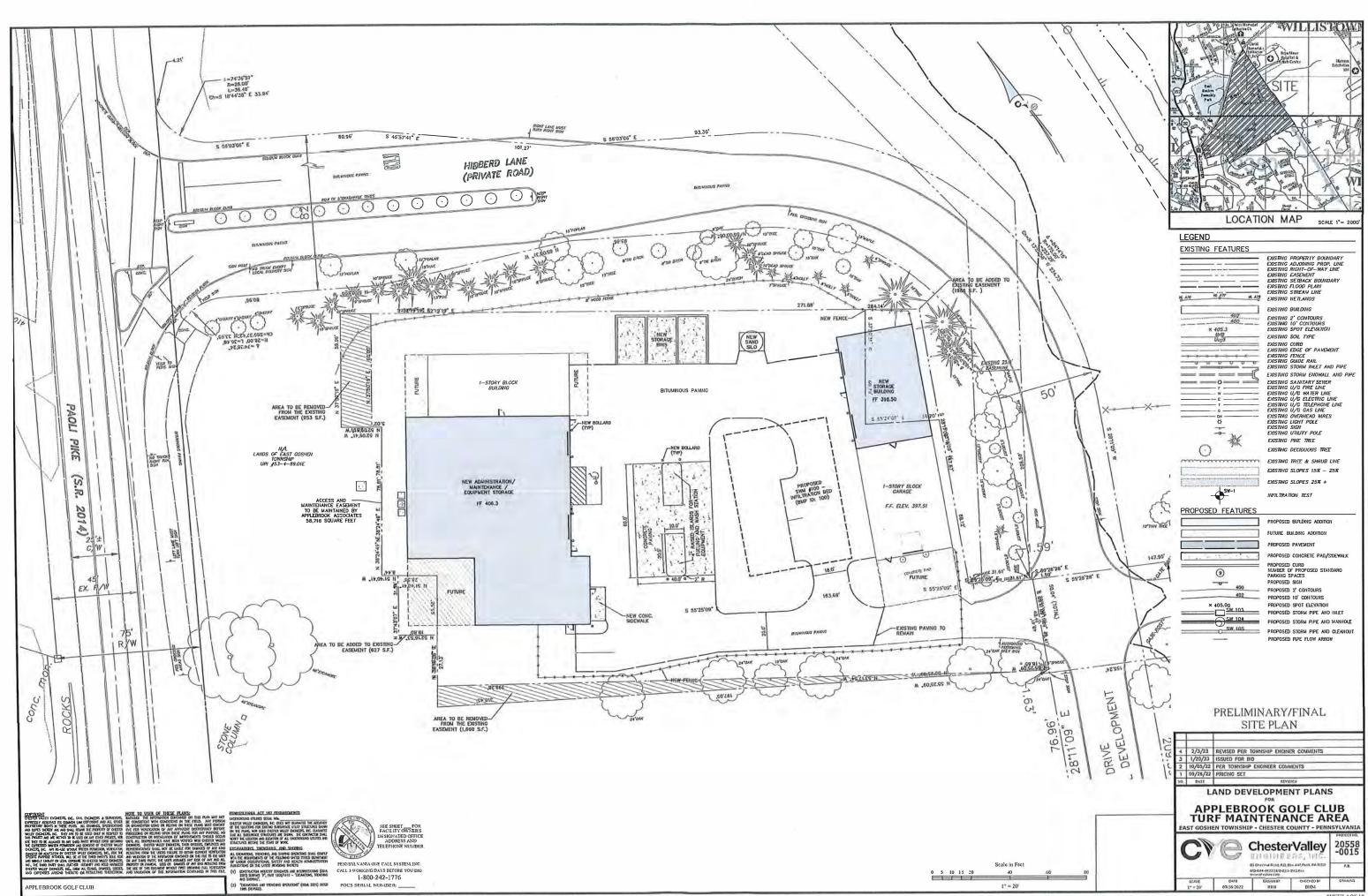


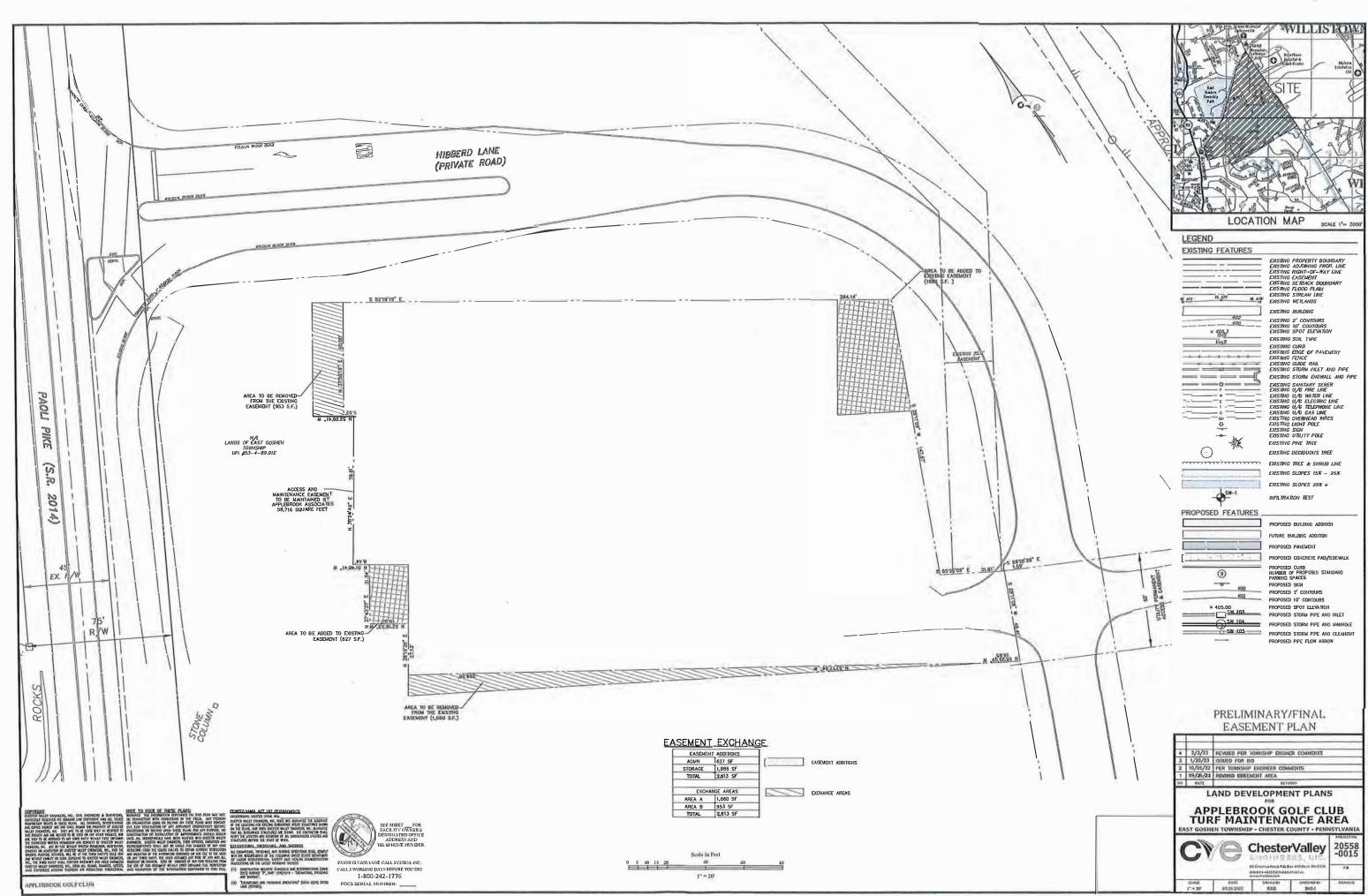
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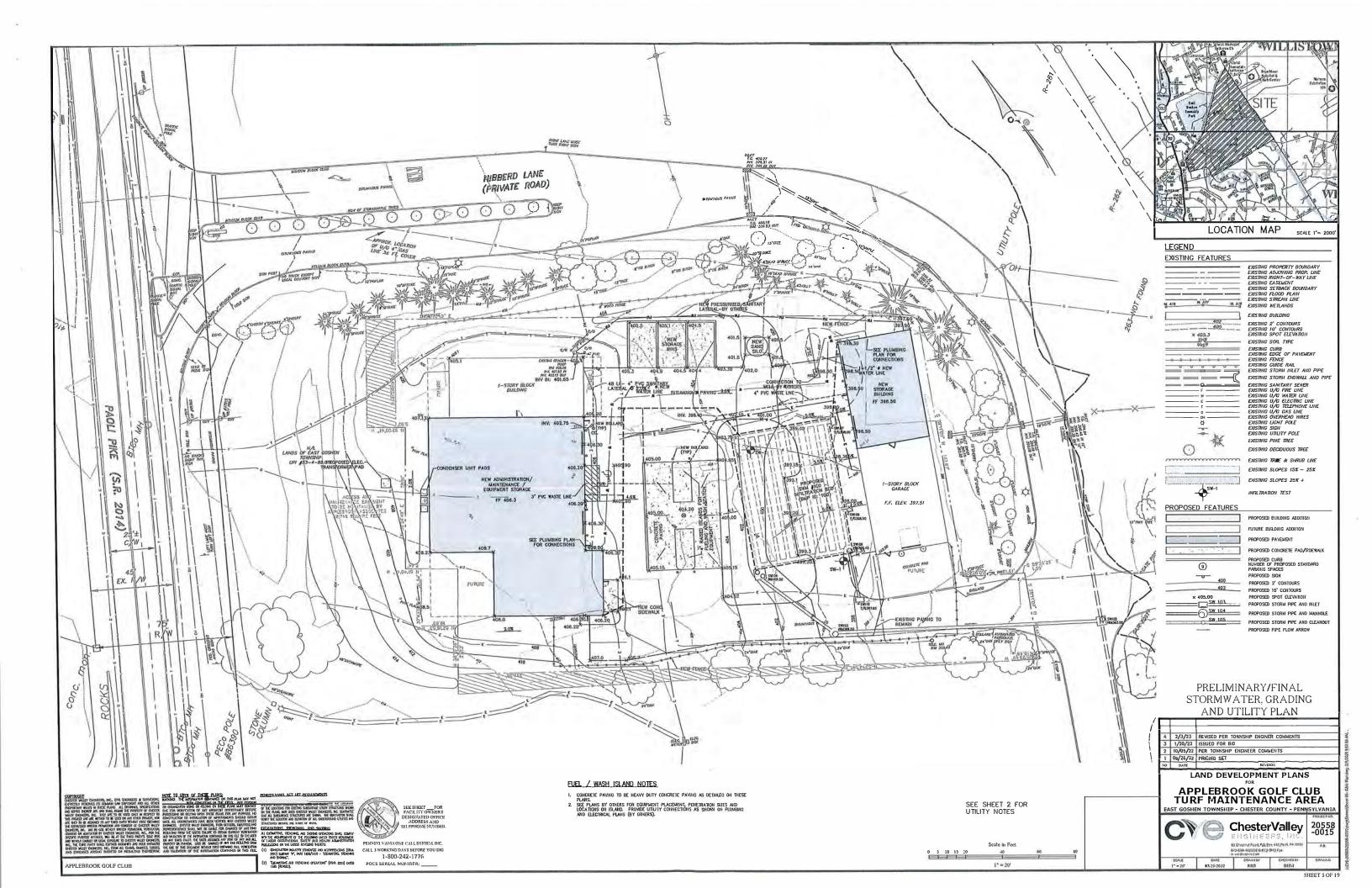


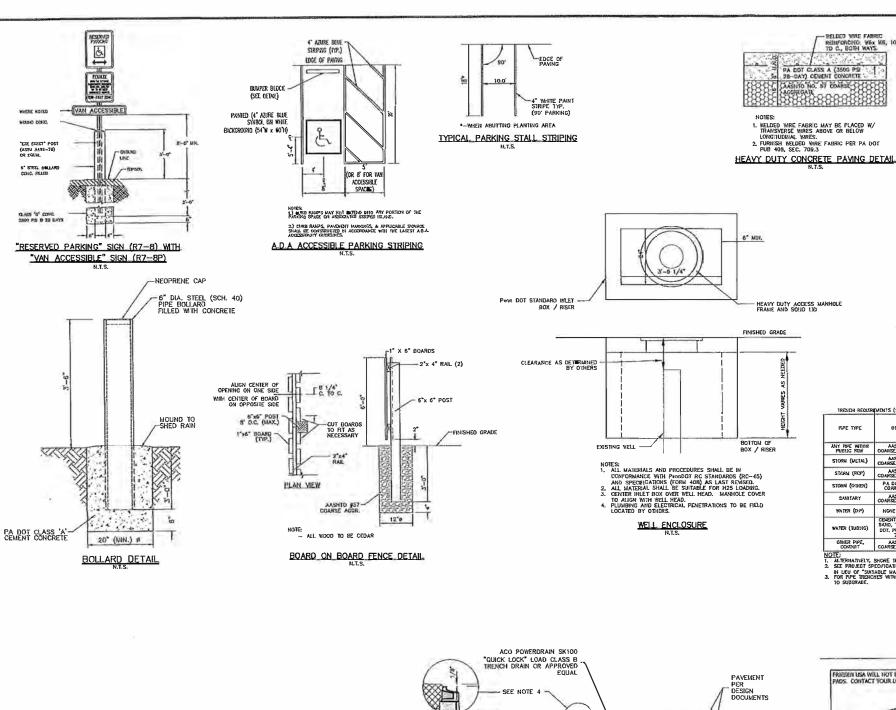












-12'x12" 3,300 P,S.I. CONC.

CLEANOUT IN CRASS AREAS

CLEANOUT IN PAVED AREAS TYPICAL CLEANOUT DETAIL

-12"x12" 3,300 P.S.I. CONC

-8-INCH HOPE

FINISHED GRADE

---- B-INCH HOPE

ROTES.

FORIECT CHANNEL AND CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO TO THE STREET CHANNEL AND CONCRETE SURROUND.

MINIMUM CONCRETE STRENGTH - 4,000 PSI. CONCRETE SHOULD BE WIBRATED TO ELIMINATE AIR POCKETS.

POSSIBILITY AND CONTROL CONTROL JOINTS AND HEINFORCEMENT ARE RECOMMENDED TO

PROTECT CHANIEL AND CONCRETE SURROUND.

THE FINISHED LYEN, OT THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF "HE CHANNEL EDGE.

S. CONCRETE BAST THOCKNESS SHOULD MATCH SLAB THICKNESS.

REFER TO ACO'S LAIEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

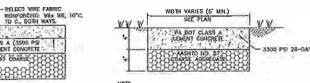
TRENCH DRAIN DETAIL

-OVERFLOW THE & CLEANOUT

SEE PLAN FOR SIZE

APPLEBROOK GOILF CLUB

DOWNSPOUT DETAIL



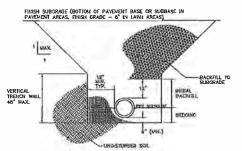
- RIOTE:

 1. SIDEWALKS SHALL BE CONSTRUCTED IN 30 FT. SECTIONS EXCEPT
 FOR CLOSURES.

 SECTIONS SHALL BE SEPARATED BY 1/4" THICK EXPANSION JOINT
 MATERIA. TO BE INSTALLED BETWEEN SECTIONS AND AT ALL
 STRUCTURES.

 3. SIDEWALKS SHALL BE SCORE® EVERY 4 FT.

CONCRETE SIDEWALK DETAIL



TYPICAL PIPE TRENCH DETAIL

			BACKRIL 10 SUBGRADE	10
PIPE TYPE	BEDOING	INJIEGE BACKFILE	BENEATH BITUMINOUS PAVEMENT, CONCRETE SIDEWALK OR PAVERS (EXCEPT SEZ HOTE 3)	BENEATH OTHER AREA
ANY PIPE WITH PUBLIC ROW	COARSE ADDREGATE	PA DOT HO, 2A COARSE AGGR.	PA DOT NO. 2RC COARSE AGGREGATE	PA DOT NO. 2RC COARSE AGGR.
STORM (METAL)	AUSHTO (F) CDARSE ACCRÉCATE	SUITABLE WATERIAL	SIRTADLE MATERIAL	SUITABLE MATERIAL
STORY (ROP)	AASHTO 48 COARSE ACCREGATE	PA DOT NO. 2A COARSE AGGR	SURTABLE WAYERUL	SUITABLE WATERVIL
STORM (OTHER)	PA DOT 110, 2A COARSE AGGR.	PA DOT NO. 2A COARSE AGGR.	JARTABLE NATERIAL	SUITABLE WATERIAL
SANTARY	COARSE AGGREGATE	PA DOT NO. 2A COARSE ACCR.	SUITABLE MATERIAL	SUITABLE WATERIAL
WATER (D.P)	NOIE REGINED	PA DOT NO. 2A COARSE AGGR.	SATABLE NATERIAL	Suitable Material
water (tubng)	COJENT CONCRETE SAND, TYPE A, PA DOT, PUS. 408, \$ 703.5	CEVENT CONCRETE SANO, TYPE A. PA DOT, PUB. 408, \$ 703.1	LARSTAN BIBATER	SINTAPLE MATERIAL
OTHER PIPE.	COARSE ACCREGATE	PA DOT NO. 2A COARSE AGGR	SULTABLE MATERIAL	SUITABLE MATERIAL

- NOTE:

 1. ALTERNATIVETY, SHORE TROUGH WALLS PER OSMA OR OTHER APPLICABLE ACENCIES WITH JURISDICTION.

 2. SEE PROJECT SPECYCLARICHIS FOR RECUMBULENTS FOR "SURVANE MATERIAL". PA DOT 12. BOARSE AGGREGATE MAY BE USED.
- IN LIEU OF "SUTABLE WATERIAL" AT NO ADDITIONAL COST TO OWNER.

 J. FOR RPE TRENCHES WITHIN EX. BITUNINOUS PAVEMENT TO ROMAIN, USE PA DOT NO. 24 COARSE AGGREGATE TO BACKFILL.

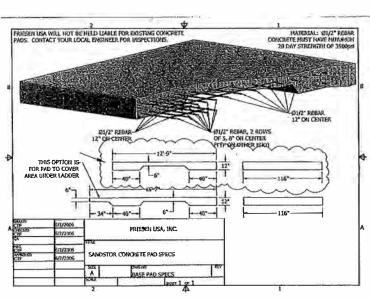


BITUNINOUS PAYEMENT SECTION

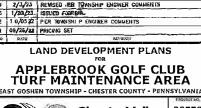
LOCATION		
DEPTH	MEDIUM OUTY: ON-SITE PARKING AREAS & DRIVEWAYS	
WEARING SUPERPAVE ASPHALT MIXTURE DESIGN, WMA WEARING COURSE, PG 64-22, <0.3 MILLION ESALS, 9.5 MM MIX. SRI-L.	1 1/2*	
BINDER: SUPERPAVE ASPHALT MIXTURE DESIGN, WMA BINDING COURSE, PG 64-22, <0.3 MILLION ESALS, 9.5 MM MIX, SRL-L	2,	
BASE: BITUMINOUS CONCRETE	HONE	
SUBBASE: Penn DOT 2A STONE BASE	10"	Me na

NOTE.

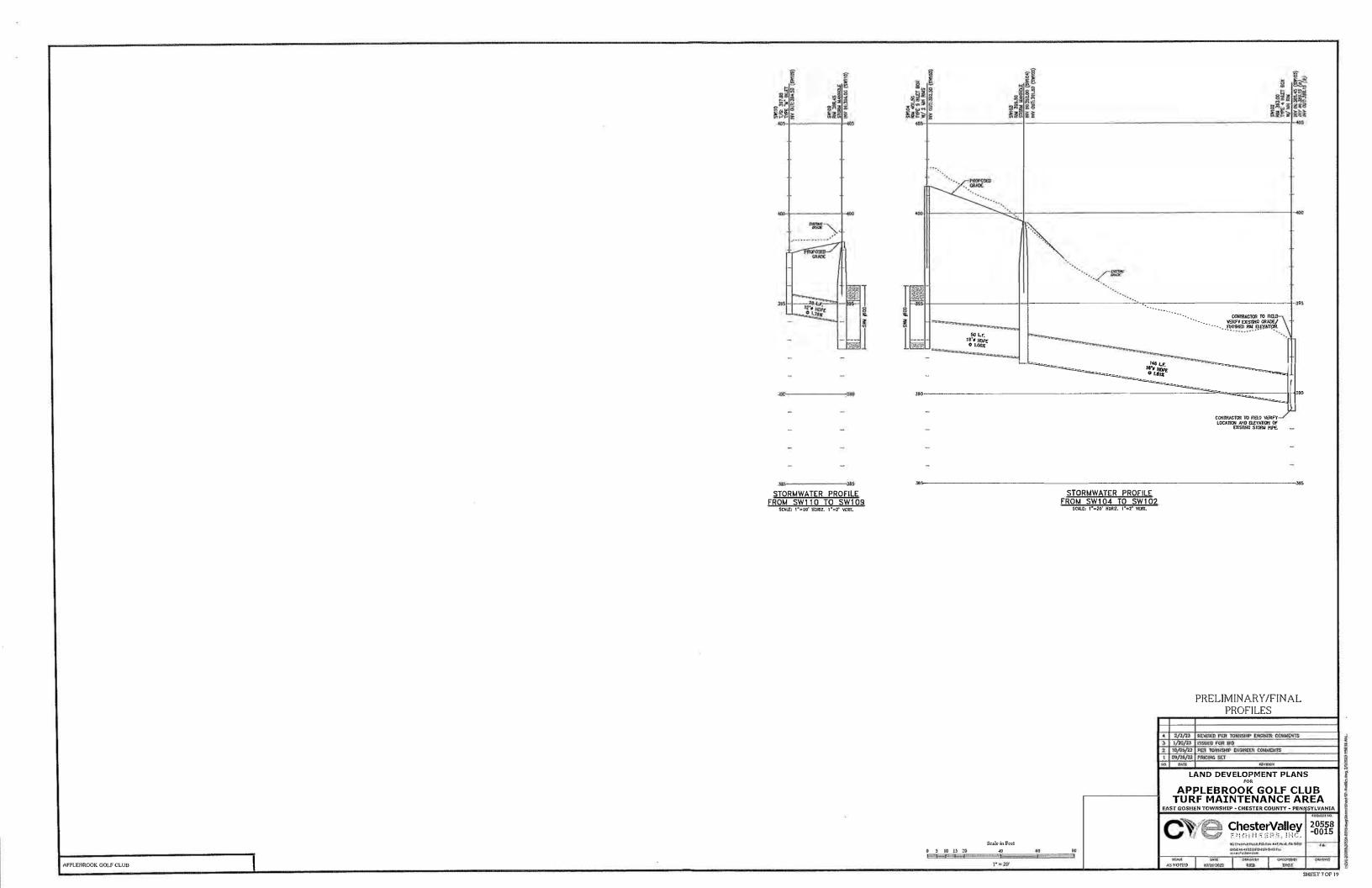
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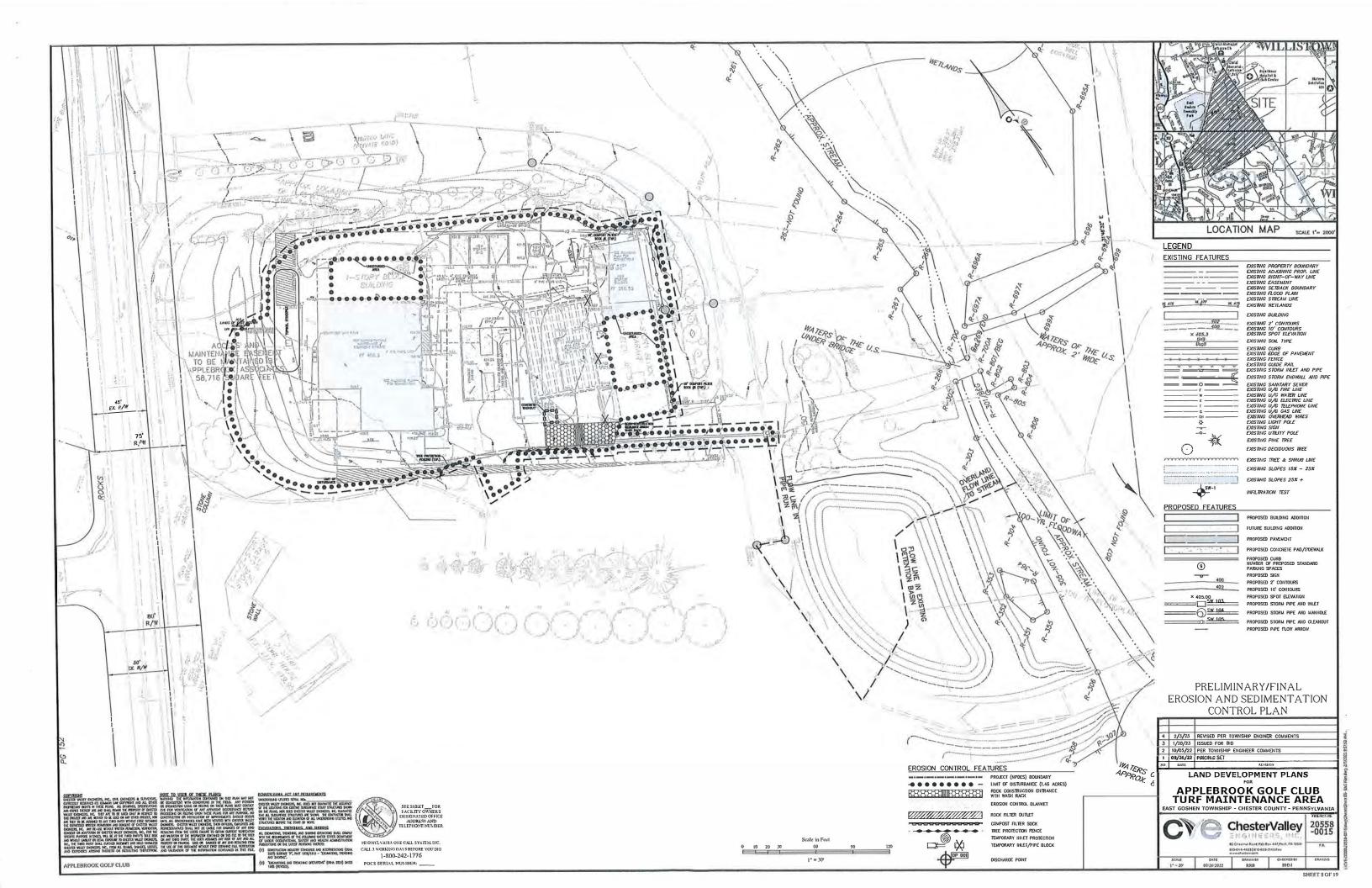


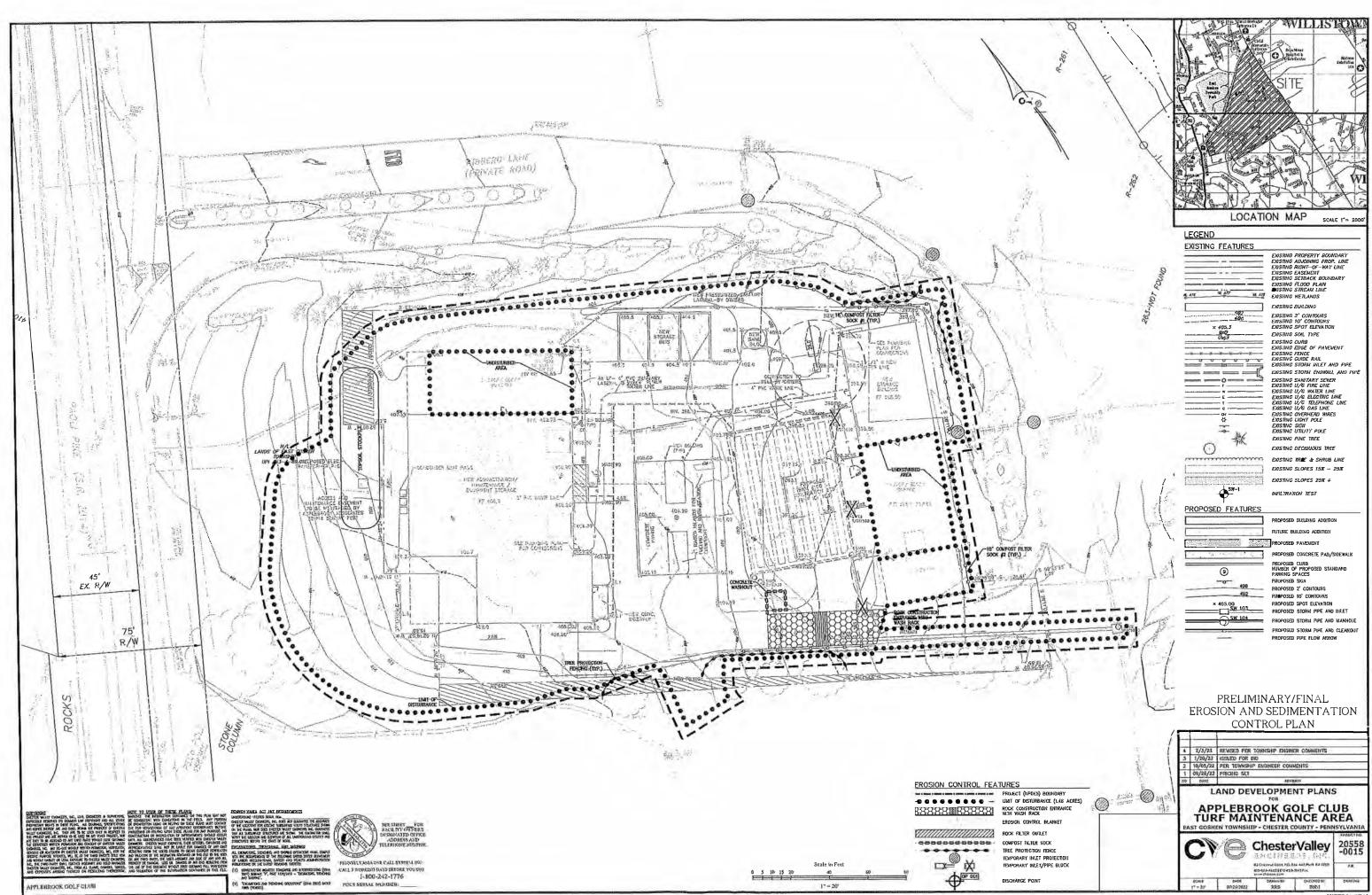
PRELIMINARY/FINAL CONSTRUCTION DETAILS AND NOTES



ChesterValley







GENERAL EROSION AND SEDIMENTATION CONTROL NOTES

CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION, STABILIZATION, AND MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROLS AND RELATED TIEMS INCLUDED WITHIN THESE PLAYS.

ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS, SHALL BE DONE IN AMCORDANCE WITH APPROVED EAS PLANS. A COPY OF THE APPROVED ERIGSTON AND SEQUENT CONTROL PLAN (STAMPED, SIGNED, AND DATED BY THE RENEWHING ACENCY) MUST BE AVAILABLE AT THE PROJECT STIE AT ALL TIMES. THE REVIEWING ACENCY SHALL BE MOTIFIED OF ANY CHANGES TO THE APPROVED FLAN PRIOR TO THE INJURDITATION OF RIOSE CHANGES. THE REVIEWING ACENCY MAY REQUIRE A MRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.

THE OPERATOR SHALL ASSURE THAT AN EROSION AND SEDIMENT CONTROL PLAN HAS BEEN PREPARED, APPROVED BY THE COUNTY CONSERVATION DISTRICT, AND IS BEING INPLEMENTED AND MAINTAINED FOR ALL SOIL AND/OR ROCK SPOIL AND BORROW AREAS, REGARDLESS OF THEIR LOCATIONS.

THE CHESTRE COURTY CONSERVATION DISTRICT (CCCD)
88 UNIONALE ROAD, SUITE \$200
89 UNIONALE ROAD, SUITE \$200
80 UNIONALE ROAD SUITE \$2

5. CANSTRUCTION DEPARTURES STALL SE FOLLOWED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBSECTIONABLE LANGE OF PLIED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBSECTIONABLE WATERIALS OF WORK SHOWN ON THIS PLAN ARE THE REAL EXTRIPT REQUIRED FOR CONSTRUCTION, THE CONTRACTOR SHALL ADHERE TO THESE LIMITS IN MINIMIZEND DISTURBED LAND, AND ALL CONSTRUCTION SHALL BE CONDUCTED WITHIN THESE LIMITS. AT NO THE SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER RACK SOUTISED ENTERBACKE DOUBLINGS STORMAN ON THE PLANS. THIS SHARES MUST BE CHARLY MARKED AND FEBRUCED OFF BEFORE CLEARING AND GRUBBING OFFERANCES SEEN. THE SHALL BE THE SHALL BE REAS MUST BE CHARLY MARKED AND FEBRUCED OFF BEFORE CLEARING AND GRUBBING OFFERANCES SHALL BE SHALL BE IN STRIPLED OF THE PLANS. THIS SHALL BE NOT SHALL BE SHALL BE SHE SHALL BE SHE IN RESIDENCE AND SHE MADE SHALL BE SHOT SHALL BE SHE SHALL BE RECVICED TO THE DEPARTMENT FOUND HE SHALL BE NOT SHALL BE NOT

INTEGED INSOCIATION IN EXCENSIVA. OR ALL DESCRIPTION OF THE CONSERVATION OF STREET ON THE WARRY OF THE TAIL DRAWING CONTROL TO THE THE WARRY OF THE TAIL DRAWING CONTROL TO THE THE WARRY OF THE TAIL DRAWING CONTROL TO THE THE WARRY OF THE TAIL DRAWING CONTROL TO THE THE WARRY OF THE TAIL DRAWING CONTROL TO THE WARRY OF THE WARRY OF

OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO EUMINATE POTZYTTAL FOR ACCELERATED EROSION AND/OR SEDIMENT
58. ALL CONCRETE TRUCKS SHALL UTILIZE THE CONCRETE WASHOUT AREA PRIOR TO LEAVING THE SITE.
57. UTILITY LINE TRENCH EXCAVATION NOTES:
58. UTILITY LINE TRENCH EXCAVATION ROTES:
COUPLETED IN ONE DAY.

B. NORK CREWS AND EQUIPMENT AND EXCEPTIONS OF LACEMENT OF PIPE, PLUE CONSTRUCTION AND BACKFILLING WILL BE SELF CONTAINED AND SEPARATE
FROM CLEANING AND EQUIPMENT ON SITE RESIDENTIAND AND STREAM LACEMENT ON THE TRENCH WILL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.

C. ALL SOID EXCAVATED TROM THE TRENCH WILL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.

D. LIMIT OALLY REACH EXCAVATION TO THE LORDH OF PIPE PLACED ON THE UPHILL SIDE OF THE TRENCH.

LIMIT OALLY REACH EXCAVATION TO THE LORDH OF PIPE PLACED ON THE UPHILL SIDE OF THE TRENCH.

D. LIMIT OALLY REACH EXCAVATION TO THE LORDH OF PIPE PLACEDLENT, PLUG WISTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME.

LAY.

E. MATER WHICH ACMUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE

PLACEMENT AND/ OR BACKFILLING
BEGINS. WATER REMOVED FROM THE TRENCH SHALL BE PUMPED THROUGH A FILTRATION DENCE.

F. ON THE DAY POLIDRING PIPE PLAGEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND IMMEDIATELY

STABILIZED.

SPECIAL GEOLOGIC AND SOIL CONDITIONS NO SPECIAL SOIL OR GEOLOGICAL ISSUES ARE KNOWN.

CONSTRUCTION SEQUENCE

AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES (INCLUDING CLEARING AND GRUBBING), THE OWNER AND/OR OFERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MURICIPAL OFFICIALS, TOWNSHIP ENGINEER/INSPECTOR, AND LICENSED PROFESSIONAL ENGINEER OR DESCRIBE TO AN OWN-SET PRE-CONSTRUCTION MEETING.

AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIMITIES, OR EXPANDING INTO AN AREA PREMIOUSLY UNMARKED, THE PERMISTLIVARIA, ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF ESSTING UNDERGROUND UNITES.

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SECUENCE PROMOED ON THE PLAN DRAWINGS.
BEVAIRON FROM THAT SEQUENCE MUST BE APPROVED BY THE TOMASHIP PRIOR TO IMPLEMENTATION, EACH SIEP OF THE
SEQUENCE SHALL BE COMPLETED BEFORE PROCEEDING TO THE NEXT SIEP, EXCEPT WINGER NOTED,

PRIOR TO EARTH DISTURBANCE ACTIVITY DESCRIBED IN MY STEP OF THE CONSTRUCTION SEQUENCE, CLEAR AND GRUB AND STRUP TOPSOIL, STOCKPILE TOPSOIL IN THE DESIGNATED LOCATIONS. LIPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL DE IMMEDIATELY STABILIZED WITH THE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION.

HELD DELINEATE LINITS OF DISTURBANCE WITH ORANGE CONSTRUCTION FERCING PRIOR TO EARTH MOWNG ACTIVITIES.

INSTALL THEE PRODESTRUM FERCING AND COMPOST FILTER SOCKS ON DOWNSLOPE SIDE OF DISTURBED AREA MORELY RELIGIOUS OF THE TOWNSHE BELONGER PROLICIANG THE INSTALLATION OF PROTECTING HEASTHES AND FRONT OF EARTH DISTURBANCE. NO EARTH DISTURBANCE MAY CONNENCE UNTIL THE EAS MEASURES HAVE BEEN INSPECTED BY THE TOWNSHE DEGREER, UNSTALL THE PROOF CONSTRUCTION OF THE TOWNSHE DEGREER, SEMBLIF AND FRONT OF THE TOWNSHE DEGREER.

SEMBLIF ROOF CONSTRUCTION OF THE TOWNSHE PROGREEF AREA FOR THE TOWNSHE DEGREER, SEMBLIF AND THE TOWNSHE DEGREER.

WHEN EAS MEASURES HAVE BEEN INSPECTED BY THE TOWNSHE PROGREER, PERFORM DEMOLITION ACTIVITIES, AS INDICATED BY THE FLANS. ALL MATERIAL GENERALED BY DEMOLITION ACTIVITIES, AS INDICATED.

BY THE FLANS. ALL MATERIAL GENERALED BY DEMOLITION ACTIVITIES SHALL BE DISPOSED OF BY THE CONTRACTION USING MERPHORMAN AND THE PLANS. ALL MATERIAL GENERALED BY DEMOLITION ACTIVITIES.

APPENDMENT WITHOUS.

5. CLER AND GRUB AREA OF CONSTRUCTION, STRIP TOPSOIL AND STOCKPILE IN LOCATION SHOWN ON EROSION & SEDIMENTATION CONTROL. PLAN. TEMPORABILY STABILIZE TOPSOIL STOCKPILE.

6. PETFORM ROUGH CRADING.

7. HISTALL UNDERGROUND INFLITATION BED AND DISTRIBUTION PIPE, FENCE AREA OF UNDERGROUND BED WITH PROTECTION FENCING UPON COMPLETION OF INSTALLATION.

CRITICAL STAGE OF CONSTRUCTION: CONTACT ENGINEER PRIOR TO EXCAVATION AND FINAL TRADAING OF UNDERGROUND STORMWATER BED. CONTACT ENGINEER PRIOR TO PLACEMENT OF CONTACT AND CONTACT A

GOTEXTRE FARTIC.

8. HISTALE STORM DUESTS AND STORM PIPING SHOWN ON THESE PLANS. TEMPORARILY SEAL INLETS AS NOTED, CONTRACTOR SHOULD ENSURE THAT NO SEDIMENT OR SEDIMENT LABOR BUNGER (S. ALLONED TO ENTER THE INTELLIZATION BUND DURING SITE CONSTRUCTION, ONLY AFTER THE INJURITARY ANALYSE AREA TO THE WRITERATION BUND IS FULLY STADUEZED (I.E. 70X STABILIZATION), CAN RUNGER BE INTRODUCCO TO THIS FACULTY. IF SEDIMENT ENTERS THE STIME WITHIN THIS FACULTY, IF SEDIMENT ENTERS THE STIME WITHIN THIS

PROCEED WITH BUILDING CONTRACTION.

9. PROCEEN MIN BUILDING CONTINUENCE.

10. INSTALL RECURRED UNDERGROUND UTILITIES.

11. INSTALL RECURRED UNDERGROUND UTILITIES.

12. WHEN UTILITY INSTALLATION HAS BEEN COMPLETED, BEGIN CONSTRUCTION OF DRIVEWAY AND PARKING AREAS, GRADE AND STABILIZE MIN STABLE BASE AS CONSTRUCTION ALLOWS.

STABILIZE MILI SIMPL BASE AS CONSTRUCTION ALLONS.

S. COMPLETE BUILDING CONSTRUCTION. INSTALL BINDER COURSE ON ALL DRIVEWAY AND PARKING AREAS.

14. INSTALL WEARING COARSE AND PAKEMENT STRIPING AS INDICATED ON THE PLANS AND DETAILS.

S. COLLECT ALL SLIT AND SEDIMENT DEPOSITS IN EROSIMON CONTROL DEWICES AND PLANS AND DETAILS.

FERMANISHTY STABILIZE ALL DISTURBED AREAS. TEMPORARY EROSISM CONTROL SHAWY NOT BE PENDIVED UNTIL.

STABILIZATION IS ATTAINED (70S UNFORM COMPRACE OF A PERCHINAL WEETTAINE SPECIES).

16, UPON STABILIZATION OF ALL DISTURBED AREAS, REMOVE SEALS FROM STORM INLETS. REMOVE REMAINING SECRIMENT BARRIERS AND CONTROLS. IMMEDIATELY STRAIGHTER AREAS DISTURBED BY REMOVAL PROCESS IN ACCORDANCE WITH PERMANENT SEED AND MULCH SPECIFICATIONS. Subhit a notice of termination to the county conservation district once all temporary eas bups have been removed and the entire project site is permanently stabilized.

OPERATION AND MAINTENANCE PROCEDURE

THE PERMITTEE SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION, STABILIZATION AND MAINTENANCE OF ALL ERGISION AND SEQUENTIATION CONTROL MEASURES. INSPECTION/MAINTENANCE OF THESE MEASURES SHALL BE CONDUCTED ON A WEEKLY ASSIS AND AFFER EMERY LEASURABLE RANGEL, A WHITTEN REPORT DOCUMENTING THE INSPECTION AND APPLICABLE REPAIRS SHALL BE KEPT ON SITE AND AVAILABLE FOR INSPECTION UPON REQUEST.

2. THE OPERATION AND MAINTENANCE REQUIREMENTS FOR THE TEMPORARY EAS BMPs FOR THIS PROJECT INCLUDE THE FOLLOWING:

LLOMING:

A. COUPOST FILTER SOCK SHALL BE INSPECTED/MAINTAINED TO ENSURE THAT THE WOOD EN STAKES AND FABRIC
CONFORM TO THE STANDARD DETAIL. FABRIC WHICH IS TORN, DISTRIBED /DEFORMED OR OTHERWISE
COMPROMISED SHALL BE REPLACED. ALL MATERIAL DEPOSITED BERNIND THE COMPOST FILTER SOCK SHALL BE
DISTRIBUTED ON SITE AND IMMEDIATELY STABUZED USING SEED AND MULCH.

B. STABILIZED CONSTRUCTION ENTRANCE (SCE) — THE SCE SHALL BE RISPECTED/MAINTAINED TO ENSURE THAT THE STRUCTURE CONFORMS TO THE STANDARD DETAIL. ROCK SHOULD BE MAINTAINED AT FULL DEPTH AND MAY REQUIRE REPLACEMENT AND/OR REDISTRIBUTION. MERITAL DEPOSITED ON THE SCE SHALL BE DISTRIBUTED ON STIE AND IMMEDIATELY STABILIZED USING SEED AND MULCH.

C. ROCK FILTER OUTLET — IF INSTALLED, OUTLET SHALL BE INSPECTED/MAINTAINED TO ENSURE THAT MATERIAL IS NOT DISPLACED OR DAMAGED.

STAGING OF EARTH MOVING ACTIVITIES

THE OVERALL SCHEDULE OF THE PROJECT IS THAT CONSTRUCTION WILL START APPROXIMATELY DURING EARLY SPRING, 2023. THE CONTRACTOR MAY SELECT HIS SCHEDULE FOR THE SPECIFIC PORTIONS OF THE PROJECT, UNLESS OTHERWISE SPECIFIC.

2. SPECIFIED ENOSION CONTROL MEASURES AND FACILITIES INCLUDING BUT NOT LIMITED TO CONSTRUCTION ENTRANCES MUS BE INSTALLED AND BE OPERATIONAL PRIOR TO ANY EARTH MOVING ACTIVITIES WITHIN THE UPSLOPE DRAINAGE AREAS.

3. FOR PIPELINE CONSTRUCTION WITHIN DRIVEWAYS AND PAVED AREAS, THE FOLLOWING STAGES ARE TO BE IMPLEMENTED SEQUENTIALLY AS WORK PROCEEDS:

A. INSTALL HILET PROTECTION AND OTHER MEASURES AS SHOWN ON THE PLANS. THESE MEASURES SHALL BE INSTALLED AT LEAST 500 FEET AHEAD OF PIPE INSTALLATION.

B. EXCAVATE TRENCHES AND DISCHARGE MATERIAL DIRECTLY INTO TRUCKS. CLEAN UP SPILLAGE WITH EACH TRUCKLOAD.

C. INSTALL PIPEUNE AND BACKFILL EROSION CONTROL FACILITIES MAY BE REMOVED WHEN TEMPORARY OR PERMANENT REPAYING IS INSTALLED AND THE AREA HAS DEEN CLEANED OF ALL DEBRIS.

D. PLACE TEMPORARY PAYING OR GRAVEL SURFACE OVER TRENCH AT THE END OF EACH WORK DAY.

FROSION CONTROL MAINTENANCE PROGRAM TEMPORARY

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION BMP'S MUST BE MAINTAINED PROFERLY MAINTENANCE
SMALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION BMP'S ON A DAILY BASS AND AFTER EACH SUNGOF
EVENT, ALL SITE INSPECTIONS SHALL BE DOCUMENTED IN AN INSPECTION LOG KEPT FOR THIS PURPOSE, THE COMPLIANCE
ACTIONS AND THE DATE, THE AND HAVE OF THE PERSON CONDUCTION OF MISSING BE NOTED. THE INSPECTION
LOG SMALL BE KEPT ON SITE AT ALL TIMES. AND MADE AVAILABLE TO THE TOWNSHIP UPON REQUEST.

ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANBUT, REPAIR, REPLACEMENT, REGRADRIG, RESEEDING REMUCHING, AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENTATION BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS OR MODIFICATIONS OF THOSE WISTALLED MILL BE NEEDED.

A) THE LOCATION AND SEVERITY OF THE BHP'S FAILURE AND ANY POLLUTION EVENTS.

B) ALL STEPS TAKEN TO REDUCE, ELIMINATE AND PREVENT THE RESURRENCE OF THE NON-COMPLIANCE.

C) THE TIME FRAME TO CORRECT THE MON-COMPLIANCE, INCLUDING THE EXACT DATES WHEN THE ACTIVITY WILL RETURN TO COMPLIANCE.

1. AS DISTURBED AREAS WITHIN A PROJECT APPROACH FINAL GRADE, PREPARATIONS SHOULD BE MADE FOR SEEDING AND MULCHING TO BEGIN (N.E. ANTICPARE THE COMPETION DATE AND SCHEDULE THE SEEDER). IN NO CASE SHOULD AN AREA EXCEEDING, 15,000 SOUARE FEET, WHICH IS TO BE STABILIZED BY VEGETATION, REACH FINAL GRADE WITHOUT BEING SEEDED AND MULCHED, WARING UNTIL EARTHANDWING IS COMPLETED BEFORE MAKING PEPRARATIONS FOR SEEDING AND MULCHING IS NOT ACCEPTABLE. THIS REQUIREMENT SHOULD BE CLEARLY STATED IN THE SEEDING AND MULCHING SPECIFICATIONS CONTAINED ON THE PLAN DRAWING.

BEFORE THE SEEDING BEGINS, TOPSOIL SHOULD BE APPLIED AND ANY REQUIRED SOIL AMENOMENTS
WORKED INTO THE SOIL TO A DEPTH OF 4 TO 6 INCHES. IF COMPOST IS TO BE ADDED TO THE TOPSOIL,
IT SHOULD BE WORKED INTO THE SOIL WITH THE OTHER SOIL AMENDMENTS UNLESS IT IS BEING APPLIED
AS AN EROSION CONTROL BMP.

3. UPON COUPLETCH OR TEMPORARY CESSATION OF THE EARTH DISTURBANCE ACTIVITY IN A SPECIAL PROTECTION WATERSHED, THAT PORTION OF THE PROJECT SITE TRIBUTARY TO THE SPECIAL PROTECTION WATERS MUST BE BUSEDIATELY STABILIZED. IN ALL OTHER WATERSHEDS, CESSATION OF ACTIVITY FOR AT LEAST 4 DAYS REQUIRES TEMPORARY STABILIZATION.

5. FILL SLOPES SMOULD BE SEEDED AND MULCHED AT REQULAR VERTICAL INCREMENTS — 15 TO 25 FEET MACHIUM — AS THE FILL IS BEING CONSTRUCTED. THIS WILL ALLOW THE BOTTOM OF THE FILL TO PROCRESS TOWARD STABILIZATION WHILE WORK CONTRAUES ON THE UPPER PORTOM, MAKING FINAL STABILIZATION EASIER TO ACHIEVE AND PROVIDING SOME VEGETATIVE BUFFERING AT THE BOTTOM OF THE COPE.

6. WHEREVER SEED AND MULCH IS APPLIED BY HYDROSEEDING METHODS. THE SEED AND MULCH SHOULD BE APPLIED IN SEPARATE APPLICATIONS WITH THE SEED BEING APPLIED FIRST AND THE MULCH SPRAYED OF TOP OF THE SEED. THIS IS TO ENSURE THAT THE SEED MAKES CONTACT WITH THE UNDERLYING SOLL. SOIL PREPARATION SHOULD BE COMPLETED PRIOR TO ADDING SEED TO THE HYDROSEEDING EQUIPMENT. RUNNING SEED THROUGH THE PUMPH STISTEM OAN HEBUILT IN EXCESSIVE ARRANGON OF THE SEED AND REDUCE THE PERCENTAGE OF PURE LIVE SEED IN THE APPLICATION. THEREFORE ALL SITE PREPARATION SHOULD BE COMPLETED PRIOR TO THE ARRIVAL OF THE HYDROSEEDING ALL SITE PREPARATION SHOULD BE COMPLETED PRIOR TO THE ARRIVAL OF THE HYDROSEEDING ALL SITE PREPARATION

7. IN CRITICAL AREAS (E.G. ADJACENT TO OR WITHIN SO FEET OF STREAMS, PONDS, OR WETLANDS) A PROTECTIVE BLANKET SHOULD BE PROVIDED FOR ALL SEEDED AREAS. CONSIDERATION SHOULD BE GIVEN TO USE OF MULCH WITH NETTING OR PROTECTIVE BLANKETS FOR ALL SEEDED AREAS ON SLOPES 3H-IV OR STEEPER.

B. VEHICULAR TRAFFIC SHOULD BE RESTRICTED FROM AREAS TO BE SEEDED TO PREVENT SOIL COMPACTION.

9. AS SOON AS SLOPES, CHANNELS, DITCHES AND OTHER AREAS DISTURBED DURING CONSTRUCTION, REACH PRIAL CRADE, STABILIZE IMMEDIATELY, IN ACCORDANCE WITH SEEDING, MULCHING AND STABILIZATION SPECIFICATIONS.

10. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA REACH FINAL GRADE BEFORE INITIATING SEEDING AND MULCHING OPERATIONS.

11. CESSATION OF ACTIVITY FOR 4 DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION

SOIL TYPE USE LIMITATIONS AND RESOLUTIONS

1. SOIL TYPES POORLY SUITED AS SOURCES OF TOPSOIL RESTRICT OR PLACE CONDITIONS ON PLANKING VEGETATIVE STABILIZATION. ACCIDE, LOW FERTILITY, EXCESSIVE DRIVIESS AND EXCESSIVE WETNESS UMIT PLANT GROWTH. RESOLUTIONS: IDENTIFYING AND RESOLVING CHARACTERISTICS, THAT RENDER THE SOIL TYPES POORLY, SUITED AS TOPSOIL.

 ACIDIC SOIL TYPES EXHIBITING PH REACTION VALUES LOWER THAN ABOUT 5.5, LIMIT VEGETATIVE STABILIZATION. SOIL TESTS MIGHT BE NECESSARY TO DETERMINE SITE SPECIFIC PH REACTION. RESOLUTIONS: APPLYING LIME CONSISTENT WITH RATING DETERMINED BY SOIL TESTING, SELECTING VEGETATIVE SPECIES TOLERANT TO ADDIC SOIL COMMINIONS, AND IMPLEMENTING COMMINIONS OF THESE AND/OR OTHER LECTHODS, SPECIED TOLERANCE, IMPORATION IS PROMISED BY THATE I OF THE EROSON CONTROL & CONSERVATION PLANTINGS ON MONOROPLAND PUBLISHED BY PENN STATE.

3. LOW FERTURY SOE, TYPES LACKING IN SUPPLIEDIT AND ANTE OF ESSENTIAL PLANT NUTRIENTS SUPPLIED STATEMENT, SUPER ALACESCAN, CALOUR, PROY, MANAGASES, BOROY, CHLORUE, ZINC, COPPER AND MICHEBERMU, LIMIT MEDITATION STABLIZATION. SOIL TESTS HIGHT BE RECESSARY TO DETERMINE SITE SPECIFIC SOIL FERTURY.

RESOLUTIONS: INCORPORATING SOIL NUTRIDITS CONSISTENT WITH RATES DETERMINED BY SOIL TESTING; SELECTIVE VECETATIVE SPECIES TOLERANT TO LOW FERTIUMY SOIL CONDITIONS, AND IMPLEMENTING BOMBINATIONS OF THESE AND BY OTHER VEHICLOS, SPECIFIC DURLENMEN ENFORMATION IS PROVIDED IN TABLE 1 OF THE PROSON CONTROL & CONSERVATION PLAYITINGS ON NONCROPLAND PUBLISHED BY PENN STATE.

4. ERODIBLE SON, TYPES EXHIBITING K VALUES GREATER THAN 0.36 OR PLASTICITY MOEX VALUES LOWER THAN 10, LIMIT VECETATIVE STABRIZATION OF CHAMINELS.

RESOLUTIONS: PROVIDING TEMPORARY CHANNEL LIMING, PROVIDING PERMANDIT CHANNEL LIMING, DECREASING CHANNEL RADE, INCREASING CHANNEL WORTH, SELECTING VEGETATIVE WITH GREATER RETARDANCE, SELECTING PERMANENT LIMINGS OTHER MAN, GEASES, AND MURILIARITHIS COMBINATION OF THESE AIROY RETERMANCE WITH LIMINGS AND MURILIARITHIS COMBINATION OF THESE AIROY RETERMANCE WITHOUTH SERVICE THE PROVIDED IN TABLES 6 AIRO 7 OF THE ENGSION AND SERVICITY POLITICAL CHANNEL AIROY SERVICITY PAREP. 5. WET SOIL TYPES HAVE EXCESSIVE ROOT ZONE AND SOIL MOISTURES. SOME SOIL SURVEYS INDICATE WETNESS, HIGH WATER TABLE AND FLOODING. THIS INDICATOR IS AFFECTED BY SOIL DISTURBANCE. RESOLUTIONS: SELECTING VEGETATIVE SPECIES TOLERANT TO WET CONDITIONS, TUNIC VEGETATIVE AREAS, AND IMPLEMENTING COMBINATIONS OF THESE AND/OR OTHER METHODS, SPECIFIC TOLERANCE INFRIMATION IS PROMODED IN TABLE 1 OF THE EROSION CONTROL & CONSERVATION PLANTINGS ON MONCROPLAND PUBLISHED BY

DRY SOL TYPES LACK SUFFICIENT ROOT ZONE SOLL MONSTURES. THIS INDICATOR IS AFFECTED BY SOLL DISTURBANCE.

RESOLUTIONS: SELECTING VEGETATIVE SPECIES TOLERANT TO DRY MONDITIONS, IRRIGATING VEGETATED AREAS AND IMPLEMENTING COMBINATION OF THESE AND/OR OTHER METHODS. SPECIFIC TELERANCE DISMONATION IS PROVIDED IN TABLE 1 OF THE EROSION CONTROL & CONSERVATION FLANTINGS ON MONGROPLAND PUBLISHED BY PERM STATE.

SOR, TYPES SUSCEPTIBLE TO SHIKKME AND SCLUTICH CHANNEL/CHANBER FORMATION POSE DIVITATIONS ON LOCATING RESERVOR AREAS OF SEDWENT BASINS, SEDMENT TRAPS, STORMWATER RETENTION BASINS, AND STORMWATER DETERMINED BASINS.

RESOLUTIONS: LOCATING THOSE FACILITIES OU OTHER SOIL TYPES, LINING RESERVOIR AREAS WITH JUPERVEAGIL LININGS, LIMITING STADIONO WATER OED THS, LIMITING RETENTION TIMES AND IMPLEMENTING COMBINATIONS OF THESE AND/OR OTHER METHODS.

 SOL TYPES THAT EXHBIT RISTABUTY IN POIND EMBAUKHENTS OR SUSCEPTIBILITY TO PIPING AND SEEPING POST IMPATIONS ON PLANNING EMBANDAYIS OF SEDIMENT BASINS. SEDIMENT TRAPS, STORMWATER RETEITION BASINS AND STORMWATER DETEITION BASINS. RESOLUTIONS: IMPORTING OTHER SOIL FOR EMBANKARINT OF THOSE FACILITIES, LOCATING THOSE FACILITIES ON OTHER SOIL TIPES, LUMING EMBANKARINT SLOPE STEEPHESS AND IMPLEMENTING COMBINATIONS OF THESE AND CAN OTHER METHODS.

SOLS THAT ARE DIFFICULT TO COMPACT, UNSUITABLE FOR WHITER GRADING, OR SUSCEPTIBLE TO FROST ACTION POSE LIMITATIONS ON PLANNING EMBANKENTS OF SCOMENT BASINS, SERVICENT TRAPS, STORM WATER RETEXTION BASINS AND STORWARTER OLETHINGN BASINS AND STORMARTER OLD BASINS AND STORMARTE

RESOLUTIONS: UPPORTING OTHER SOIL, FOR EMBANGABIT OF THOSE FACILITIES, LOCATING THOSE FACILITIES OF OTHER SOILS TYPES, NOT CHINITING EMBANGABITS DURING PERIODS PRONE TO FROST AND IMPLEMENTING COMBINATIONS OF THESE AND/OR OTHER WENDOS.

CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL DEMOUSHED OR UNUSED CONSTRUCTION MATERIALS. CARBAGE SHALL BE COLLECTED ON-SITE UNITEL RETHEATE BY AN APPROVED DISPOSAL DR RECYCLING COUPANY, CONTRACTOR SHALL NOT RICHERATE EXCESS MATERIAL OR

LIKELY WASTE TO BE GENERATED AT THIS SITE:

- UNLISED CONCRETE TO BE PLACED IN CONCRETE WASHOUT AREAS;

- EXCESS SILT SOCK AND FENCING MATERIALS;

- GENERAL RUBBISH AND DEBRIS

THE RUNGE FROM THE PROJECT AREA THAT OUTLETS TO SURFACE WATERS OR EXISTING STORM SEWER FLOWS THROUGH COMPOST PLTER SOCKS.

INTERCEPTING THE RUNOFF WITH THE ONSITE TEMPORARY BMP'S WILL TEMPORARILY STORE THE SEDIMENT LADEN WATER BEHND THE PROPOSED EAS WEASURES AND SLOWLY ALLOW CLEAN WATER TO FLITER THROUGH (E. REDUCINO FLOW RATE AND VELOCITY). THE NATURAL COOLING FETCETS OF FLITERING SEDIMENT LADEN WATER WILL HELP TO DISSIPATE THE HEAT EXERGY ABSORBED BY THE STORMWATER.

EROSION AND SEDIMENT CONTROL PLAN OBJECTIVES

1. DIT THE LAND-DISTURBRIC ACTIVITY TO THE TERRAIN THROUGH MATCHING PROPOSED GRADES AS CLOSE TO EXSTING AS POSSIBLE AND THE EXTENT AND DURATION OF EARTH DISTURBANCE THROUGH THE USE OF TEMPORARY STABILIZATION ECHNIQUES AND A DETAILED CONSTRUCTION SEQUENCE.

2. MINIMAZE BARE SOIL EXPOSELRE AND THE EXTENT AND DURATION OF EARTH DISTURBANCE THROUGH THE USE OF TEMPORARY STABILIZATION ECHNIQUES AND A DETAILED CONSTRUCTION SEQUENCE.

3. EXEMPLE DRAINAGE TATURES AND VECTATIONE AND APPROPRIATE BY MADMITTHE PROPERTY OF THE PROPERTY SECONG AND MULCHING.

5. STABILIZED INSTRIBED AREAS IMMEDIATELY AFTER GRADING WITH TEMPORARY SECONG AND MULCHING.

6. DIRECT RUNGET AND THAT PROPERTY OF THAT PREVENT OR MINIMAZE CENERATION OF INCREASED STORMWATER RUNGET.

5. TORMWATER RUNGET.

SEEDING AND MULCHING SPECIFICATIONS.

TEMPORARY.
SEEDING SHALL BE ANNUAL RYE GRASS APPLIED AT 48 LBS. PER ACRE.
LIAING TO BE APPLIED AT 1 TON/ACRE.
10-10-10 EFRILIZER TO BE APPLIED AT 500 LBS./ACRE
HAY OR STRAW MULCH TO BE APPLIED AT 3 TONS/ACRE.

PERMANENT:
LIMING TO BE APPLIED AT 8 YON/ACRE.
10-10-20 FERRILIZER TO BE APPLIED AT 1000 LBS./ACRE.
HAY OR STRAW MULCH TO BE APPLIED AT 3 TONS/ACRE.

CONTRACTOR SHALL VERIFY PERMANENT SEEDING CRUTERIA WITH OWNER PRIOR TO APPLICATION.

NOIH-STEP AREAS < 3:1, HIGHLY MAINTAINED AND MOWED, USE ONLY ON TOP SOIL AREAS.

• SEGNIC SHALL BE 60% KENTICKY BILLEGRASS, 30% RED FESCUE, AND 20% PERENNIAL RYE GRASS, AT A RATE
OF 21 USB. FER 1000 SQUARE YARDS.

slopes steeper than 3:1, no-mow areas . There are no areas of no-mow steep slope on this project.

GENERAL:

1. THE NON-GERMINATING PERIODS ARE BETWEEN JUNE 15 THRU AUGUST 15, AND SEPTEMBER 30 THRU APRIL 15, AREAS DISTURBED DURING THESE PERIODS MUST BE LUKED, FERTILIZED, SEEDED AND MULCHED WITHIN THENTY (20) DAYS OF THE EMBINO OF THOSE PERIODS.

2. ALL SEED MIXTURES SHALL HAVE A MIRIKUM LIVE SEED AND GERMINATION PERCEITAGE OF 85X TO 95X.

3. TOPSOIL TAKEN FROM CONSTRUCTION AREAS SHALL BE SEEDED MIN VECETATIVE COVER AND STOCKPHILD FOR SHALL BE SEEDED WITH VECETATIVE COVER AND STOCKPHILD FOR SHALL BE SHED SHALL BE SEEDED WITH VECETATIVE CLEARING IN AREAS OF SHALL BE SHEDD WITH VECETATIVE CLEARING IN AREAS OF SHALL BE SHEDD WITH VECETATIVE CLEARING IN AREAS OF SHALL BE SHEDD WITH A SHALL BE AREAS WITHOUT THE RECURSIVE DEPARTS WITH A SHALL BE AREAS WITHOUT THE RECURSIVE PERMITS WITH RESIST OF THE SHALL BE AREAS WITHOUT THE RECURSIVE PERMITS WITH A SHALL BE AREAS WITHOUT THE RECURSIVE PERMITS WITH A SHALL BE AREAS WITHOUT THE RECURSIVE PERMITS WITH A SHALL BE AREAS WITHOUT THE RECURSIVE PERMITS WITHOUT THE RECURSIVE PERMITS WITHOUT AND SHALL BE SHALL BUT SHALL BE SHALL BE SHALL BUT SHALL BU

MILCHING NOTES

1. ALL SEEDED AREAS SHOULD BE MUICHED OR BLANKETED TO MINIMIZE THE POTENTIAL FOR FAILURE TO ESTABLISH AN ADECULATE VEGETANINE COVER. MUICHING MAY ALSO BE USED AS A TEXPORARY STABILIZATION OF SCALE DISTURBED AREAS WI NON-CERMANATION SEASONS.

2. STRAW AND HAY MILCH ASSOLD BE ANCHORED OR. TAKKINED IMMEDIATELY AFTER APPLICATION TO PREVENT DENG HIGGIONS. A PIACIDA-CRANAT MUPLEMENT MAY BE USED TO CORMY THE STAN APPLICATION. THE SOLL — WHOOLDNIN. A PIACIDA-CRANAT MUPLEMENT MAY BE USED TO CORMY THE STAN SHOW. THE MACRIMENT SHOULD BE OFFEATED ON THE CONTINUE. NOTE: CRIMPIOS GOPES O STEERS THAN SHOW. THE MACRIMENT SHOULD BE OFFEATED ON THE CONTINUE. NOTE: CRIMPIOS GOPE OF TAY OR STRAW BY RUNNING OVER IT WITH TRAKED MACHINERY IS NOT RECOMMENDED.

3. POLYMBER CAND GUIL MACRIMENS HUSED AND APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS MAY BE USED TO TAKE MUCH. AVOID APPLICATION DURING RAIN AND ON WINDY DAYS. A 24-HOUR CURING PERIOD AND A SOLL TEMPERATURE MIGHER THAN AS DEE, FAMILEMENT AND AN ON WINDY DAYS. A 24-HOUR CURING PERIOD AND CONTINUE PERIOD APPLICATION. THE PROMOTED OF THE ARD. SHOULD BE CONTINUED AND A SOLL TEMPERATURE MIGHER THAN AS DEE, FAMILEMENT AND AND AND APPLICATION. THE PROMOTED OF THE ARD. SHOULD BE CONTINUED ON THE ADDRESS AND BRANKS TO PREVENT LOSS OF THE MULL OF THE PROMOTED OF THE ARD. SHOULD BE CONTINUED ON THE PROMOTED OF THE ARD. SHOULD BE SHOULD BE SOLL MICH ADDRESS AND BE USED AS RECOMMENDED BY THE MAULPACTURER TO AMCROME MULL PROMOTED SUFFICIANT DOCUMENTATION; IS PROVIDED TO SHOW THEY ARE MON-TOXIC TO NATIVE PLANT AND ANIMAL SECIES.

5. MINCH ON SLOPES OF BY OR SIEPPER SHOULD BE HELD IN PLACE WITH THE THAN ANIMACTURER TO AMCROMEN AND BRIDGE TOTES. THE MULL ACCORDING TO NATIVE PLANT AND ANIMAL SECIES.

6. IN THE EVENT SECON COLLECT IN CITIC AFEC OR DISCHARGE THAN THE ANIMACTURER TO AMCROMENT AND STANDER OF THE MULL ACCORDING TO NATIVE PLANT AND ANIMAL SECIES.

6. IN THE FER RETS MAY BE STAPLED OVER THE MULL ACCORDING TO NATIVE FASTIC, FIBER OR PAPER RETING, IN ACCORDING WIT

TOPSOIL APPLICATION NOTES

GRADED AREAS SHOULD BE SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES TO PERIOT BEYENDING OF THE TOPSON. TO THE SURFACE AREAS AND TO PROVIDE A ROUGHENED SURFACE TO PREVENT TOPSON FROM SUDING DOWN SLAPE.

. TOPSOIL SHOULD BE UNIFORMLY DISTRIBUTED ACROSS THE DISTURBED AREA TO A DEPTH OF SIX (6) INCRES WIRHAUM, SPREADING SHOULD BE OONE IN SUCH A MANNER THAT SODDING OR SECURIC CAN PROCEED WITH A WIRHAUM OF ADDITIONAL PREPARATION OR TILLAGE. INFREQUENTIES BY THE SURFACE RESULTING FROM TOPSOIL PLACEMENT SHOULD BE CORRECTED IN ORDER TO PREVENT FORMATION OF DEPRESSIONS UNLESS SUCH DEPRESSIONS ARE PART OF THE PCEMP AND

3. TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIBENTAL TO PROPER CRADING AND SEEDED PREPARATON. COMPACTED SOILS SHOULD BE SCARFIED 6 TO 12 INCHES ALONG CONTOUR WHEREVET POSSBILL PRICE TO SEEDING.

SOIL AMENDMENT APPLICATION RATE EQUIVALENTS

	PERMANENT S	SEEDING APPLICATE	CH RATE (MIN.)	
SOL AMENOMENT	PER ACRE	FER 1,000 SF	PER 1,000 SY	
AGRICUALTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOL TEST; MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
10-10-20 FERTUZER	1,000 LB	25 LB.	210 LB.	OR AS PER SOL TEST; MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
	TEMPORARY S	SEEDING APPLICATION	ON RATE (MIN.)	
AGRICULTURAL LINE	1 TON	40 LB	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES
10-10-10 FERTILIZER	500 LB.	12.5 LB.	100 LB,	TYPICALLY NOT REQUIRED FOR

MULCH APPLICATION RATES

	AP	PUCATION RATE (upn.)	
MULCH TYPE	PER ACRE	PER 1,000 SF	PER 1,000 SY	
STRAW	3 TONS	140 LD.	1,240 LB.	ETTHER WHEAT ON OAT STRA FREE OF WEEDS, NOT CHOPPED OR FINISLY BROKE
HAY	3 TONS	140 LB,	1,240 LB.	TIMOTHY, MIXED CLOWER AND TUMOTHY OR OTHER NATIVE FORAGE GRASSES
MOCO CHIPS	4-6 TOH'S	185-275 LB.	1,650-2,500 LB.	MAY PREVENT GERMANION OF GRASSES AND LEGUNES
HYDRONULCH	1 TON	47 LB.	415 CB.	SEE LIMITATIONS ABOVE

TOPSOIL APPLICATION RATES

DEPIH (N)	PER 1,000 SF	PER ACRE
1	3.1 CY	134 CY
2	6.2 CY	268 CY
3	9,3 CY	403 CY
4	124 CY	537 CY
5	15,5 CY	672 CY
6	18.5 CY	806 CY
7	21.7 CY	940 CY
8	24.8 CY	1,074 CY

PRELIMINARY/FINAL **EROSION AND** SEDIMENTATION CONTROL NOTES

| 4 2/3/23 REMSED PER TOWNSHIP ENGINER COM 3 1/20/23 ISSUED FOR 8ID 2 10/05/22 PER TOWNSHIP ENGINEER COMMENTS 1 09/26/22 PRICING SET 10 02/26/22 PRICING SET REVISED PER TOWNSHIP ENGINER COMMENTS LAND DEVELOPMENT PLANS APPLEBROOK GOLF CLUB

TURF MAINTENANCE AREA ChesterValley Engineers, Inc.

10-644-462316-0-659-3143-FAC RRB



2'x2' or 2'x4' INSTALLATION DETAIL INLET TEMPORARY SEAL DETAIL

FILTER BAG INLET PROTECTION - TYPE C INLET DETAIL N.T.S.

ISOMETRIC MEW

ENEVATION MEW

NOTES

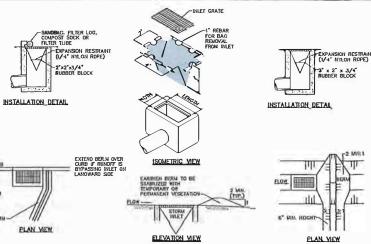
WHET PROTECTION SHALL NOT SEE RECURED FOR BLET TRIBUTARY TO SEDWENT BAS'N OR TAKE, BERLIS SHALL BE RECOVERED FOR ALL INSTALLATIONS.

ROLLED EARLING SERVA SHALL BE MANTHAVED UNTIL ROADWAY IS STONEO. ROAD SUBBASE BERN SHALL BE MANTHAVED UNTIL ROADWAY IS AVED. SK NICH MICKUM HOCHT ASTHALT BERN SHALL BE MANTHAVED UNTIL ROADWAY SHATE. RICCIVES FINAL HOCHT ASTHALT BERN SHALL BE MANTHAVED UNTIL ROADWAY SUBFACE RECEVES FINAL A JAHANUM BURST STRENGTH OF 200 PS, AND A MIRRIAM BURST STRENGTH AND AN OUT OF STRENGTH OF 100 PS, AND A MIRRIAM BURST STRENGTH OF 100 PS, AND A MIRRIAM BURST STRENGTH AND AN OUT OF STRENGTH ON THE PLANT BURST STRENGTH AND AN OUT OF STRENGTH ON THE PLANT BURST STALL BE BURST SHALL BE BURST SHALL BE BURST SHALL BE BURST SHALL BE BURST ACCOUNTED TO THE PLANT BONG SCOUNTAINED SEDWENT AS WELL AS ALL USED BURST ACCORDING TO THE PLANT BONG SCOUNTAINED SEDWENT AS

DO NOT USE ON MAJOR PAYED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

MOUNT ABLE BERM (6" MIN.)*

-EARTH FILL



FILTER BAG INLET PROTECTION - TYPE M INLET DETAIL N.T.S.

NOTES:

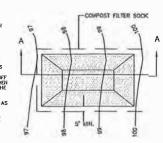
1. MAXMUM ORANACE AREA = X ACRE.

2. NEET PROTECTION STALL NOT BE REQUIRED FOR INEET TRIBUTARY TO SEDWENT BASIN OR TROP. PERMS STALL BE REQUIRED FOR ALL INSTALLATIONS.

SUBBASE BERN STALL BE WANTAMED UNTIL ROADWAY IS PAVED. EARTHER BERN IN MAIL BE WANTAMED UNTIL ROADWAY IS PAVED. EARTHER BERN IN CHANNE, STALL BE WANTAMED UNTIL PERMINANT STEADY, STALL OR IS CONTINETED OR REMAIN PERMAINENT STALL BE WANTAMED UNTIL PERMAINENT STABLACTION IS COUNTERED OR REMAIN PERMAINENT STABLACTION IS COUNTERED OR REMAINED THAT STANDARD STABLACTION IS COUNTERED OR REMAINED THAT STANDARD STANDARD

STRENGTH OF SOLUS. PRINTED BAUG SAINLI, DE CAPABLE OF INFATROLA ALL FRANCASION OF PASSING A 10. 40 SEVE. NOT PASSING A 10. 40 SEVE. INFO PASSING A 10. 40 SEVE. REGIONAL PROPERTY OF PASSING A 10. 40 SEVE A 1

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.





EXISTING GRADE COMPOST FILTER SOCK SECTION A-A

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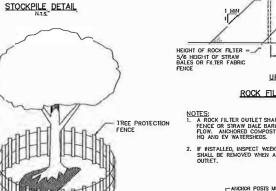
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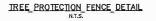
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SECTION A





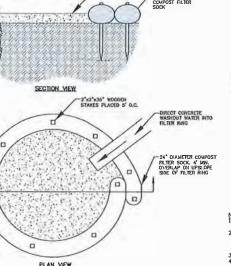
ALL WOODY VEGETATION TO BE RETAINED WITHIN 25 FEET OF A BUILDING STEE, PARRING AREA, BRIVEWAY OR OTHER PROPOSED BEPROVACIENT SHALL BE PROTECTED FROM EQUIPMENT DAMAGE BY FEJCHIG OR OTHER FEFECTIVE BARRIERS APPROVED BY THE TOWNSHIP ENDERER / LANGSCAPE ARCHITECT. FENCING OR BARRIERS SHALL BE PLACED AS NOTICE BLOW, UNILESS FROM DETERMINATION HAS BEEN AMOE BY THE TOWNSHIP ENGINEER / LANOSCAPE ARCHITECT REGARDING A MORE APPROPRIATE LOCATION.

DESCRIPTION: TREES ARE OFIEN DAMAGED BY MOVING CONSTRUCTION EQUIPMENT OR BY SOUMENT BUILDUP AROUND THE ROOTS. TREE PROJECTION FEATONIC, WHEN PLACED ALONS OF AROUND TREES, SERVES AS A BOURDARY MARKER TO INDICATE THAT CLEARING AND STOCKPILING ARE NOT PERMITTED BEYOND THAT POINT.

REQUIREMENTS FOR INSTALLATION: THE TREE PROTECTION FENCE IS INSTALLED BY HAMMERING WOOD OR METAL STAKES INTO THE GROUND AND CONNECTING THE FENCING MATERIAL SECURELY TO THE POSTS PER THE MANUFACTURERS' INSTRUCTIONS.

PLACE THE TREE PROTECTION FRINCE ALONG THE DRIPLINES OF TREES OR 1 FOOT FROM THE TREE TRUNK FOR EVERY HICH OF TRUNK DIAMETER, WHICHEVER IS ORGALER. A DRIPLINE IS AN IMAGINARY UNIE EXTENDING DOWN FROM THE OLITER—MOST BRANCHES OF A TREE TO THE GROUNG. HIS IS GENERALLY THE OUTER BOUNDARY FOR TREE ROOTS. IF THE TREE PROTECTION FENCE IS PLACED ANY CLOSER TO A TREE, ITS PURPOSE MAY BE DEFERRED.

MAINTENANCE: INSPECT THE TREE PROTECTION FENCING PERIODICALLY DURING CONSTRUCTION TO MAKE SURE THAT IT IS POSITIONED SECURELY.



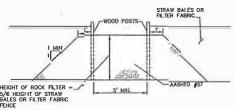
MAXIMUM DEPTH OF CONCRETE
WASHOUT WATER IS 50% OF
FILTER RING HEIGHT

COMPOST FILTER SOCK CONCRETE WASHOUT DETAIL N.Y.S.

INSTALL ON FLAT GRADE FOR OPTIMUM PERFORIANCE.

18" MAMETER SLT SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER
SIK SOCKS IM PIRAUDAL CONFIGURATION FOR ADDED HEIGHT.
A SINTABLE IMPERVIOUS GEOVEWBRANE SHALL BE PLACED AT THE
LOCATION OF THE WASHOUT PRIOR TO INSTALLING THE SOCKS.

OPTIONAL 6" COMPOST LAYER FIRMLY ANCHORED OUTLET CROSS-SECTION

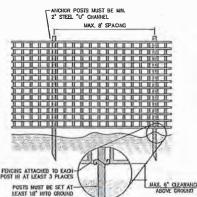


UP-SLOPE FACE ROCK FILTER OUTLET DETAIL

NOTES:

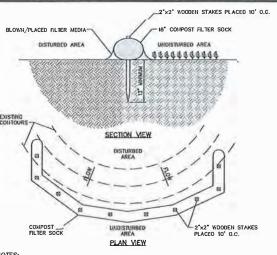
1. A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT
FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATEO
FLOW. ANCHORED COMPOST LAYER SHALL BE USEO ON UPSLOPE FACE IN
HQ AND EV WATERSHEDS.

IF INSTALLED, INSPECT WEEKLY AND AFIER EACH RUNOFF EVENT. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.



- PROTECTION BARRIER SHALL BE 4 FEET HIGH, CONSTRUCTED OF DURABLE AND HIGHLY MISBLE MATERIAL (PLASTIC ORANGE CONSTRUCTION FENCE AND/OR SHOW-FENCE MAY BE USED).
- PROTECTICAL BARRIERS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE WORK AT THE STE.

TREE PROTECTION BARRIER FENCE DETAIL



NOTES:
1. SOCK FABRIC SHALL MEET THE STANDARDS OF TABLE 4.1, COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2.
2. SOMPOST PLEER DOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH EXISS OF THE SOCK SHALL BE EXIDENCE AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAND SOCK ALIGNMENT. STANES MAY BE RISTALLED MIMEDIATELY OWNISLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
2. TRAFTIC STANLL NOT BE PETWITTED TO CROSS FILTER SOCKS.
4. ACCUMULATED SCOMENT SHALL BE REMOYED WHEN IT RECESSED HE. THE ABOVEGROUND FLOW OF TECH SOCK AND OSSOCIED IN THE MATTER DESCRIBED ELSEWIRER IN THE PLAN.

PILIDIT OF TEXTS SOCK ATTO ASSESSMENT OF THE PROPERTY OF THE P

SOCKS AFER 1 YEAR. POLITIKUPILLE SOCIA STATES SHALL BE REMOVED. HAVING ACCURATE STATEMENTATIONS. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. HE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOL SUPPLEMENT. REFER TO LEAS PLAIL FOR COLPOST SOCK LOCATIONS, SIZE, IOENTIFICATIONS AND CONSTRUCTION SPECIFICATIONS.

COMPOST FILTER SOCK DETAIL

TABLE 4.1 _ COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS 5 MIL HOPE MILITH-PLANDIT MILITH-PLA 3/8" 26 PSI 26 PSI 44 PSI 202 PSI ULTRAVIOLET STABILITY X OFICIPAL STRENGTH (ASTM C-155 100% AT IOCONR 23% AT 1000 HR. 6 MONTHS 6 WONTHS 1 YEAR FUSON-MELDING JUNCTURES

TABLE 4.2 - COMPOST STANDARDS

ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
ρН	5.5 - B.O
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

PRELIMINARY/FINAL **EROSION AND SEDIMENTATION** CONTROL DETAILS

COLDIOSTE POLYPROPYLENE FABRO
(MOYB) LAYER AND NOX-NOVEL FLECE
LECTUANICALLY FUSED VIA HEEDLE PURICH



RRB

AVO. WIDE WOTH STRENG

PUNCTURE

MULEN BURST

I THE PUMP DISCURAGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MARIER SPECIFED BY THE MARIERAL AND SECURELY CLAMPED. A PIECE OF PIC PIPE IS RECOMMENDED FOR THIS PURPOSE THE PUNPING RATE SHALL BE NO GREATER THAN 750 CPM OR IS, THE MAXIMUM SPECIAED BY THE MAXIMUM SPECIAED BY THE MANUFACTURER, WHICHEVER IS LESS. PUNP BITAKES SHALL BE FLOATING AND SCREENED.

PUNPED WATER FILTER BAG DETAIL

ASTN 0-4884

ASTN 0-4833

ASTN 0-3780

ASTH 0-4355

ASTM D-4751

A SITUALE MEN'S OF ACCESSING THE BULD WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE REPORCED. PLTTRE BLOSS SHALL BE REPUTADD WHICH DECOULE K FILL OF SEMBORT. SHARE BACKS SHALL BE KEPT MAKALEF, FOR REPUTADDISH OF THICS THAT MAKE FALLED DR. REF LEFED. BLOSS SHALL BE PUPCED CH STRUPS TO FACULTAKE REDIOVAL UNLESS BACS COLVE WITH LEFTING STRUPS ARRENTLY ATTROMOTED.

FILTER BAGS SHALL BE INSPECTED DALY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE TOURDIATELY AND NOT RESUME UNTIL THE PROPLEM IS CORRECTED.

60 LB/N

205 LB

HOLB 350 PS

CEOTEXTILE-

PLAN YIEW * MCUNTABLE BERM USED TO PROVIDE COVER FOR PIPE.

NOTES:

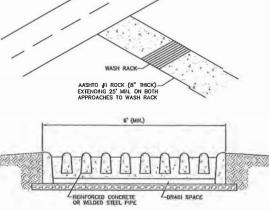
I. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BIJIP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

MAINTENANCE:
ROCK CRYSTRICTION ENTRANCE THICKNESS SMALL BE
CONSTAINTLY MAINTAINED TO THE SPECIFED DIMENSIONS BY
ADDING ROCK. A STOCKPILE SMALL BE MAINTAINED ON STE
FOR THIS PURPOSE. ALL SEDMENTI DEPOSITED ON PAYED
ROADWAYS SMALL BE REMOVED AND RETURNED TO THEE
FOR THIS PURPOSE. ALL SEDMENT TO POSITED ON PAYED
ROADWAYS SMALL BE REMOVED AND RETURNED TO THEE
FOR STEPPING THE PROPOSE OF THE PAYED
ROADWAY OF THE PROPOSE OF THE PAYED
WITH ARE STRICTED OF POSITAL WASH ROCK.
WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO
ROADWAY OTHERS, SEWERS, CULYERTS, OR OTHER DRAINGE
COURSES IS NOT ACCEPTABLE.

ROCK CONSTRUCTION ENTRANCE DETAIL
N.T.S.



ROCK CONSTRUCTION ENTRANCE WITH WASH RACK DETAIL N.T.S.

NOTES:

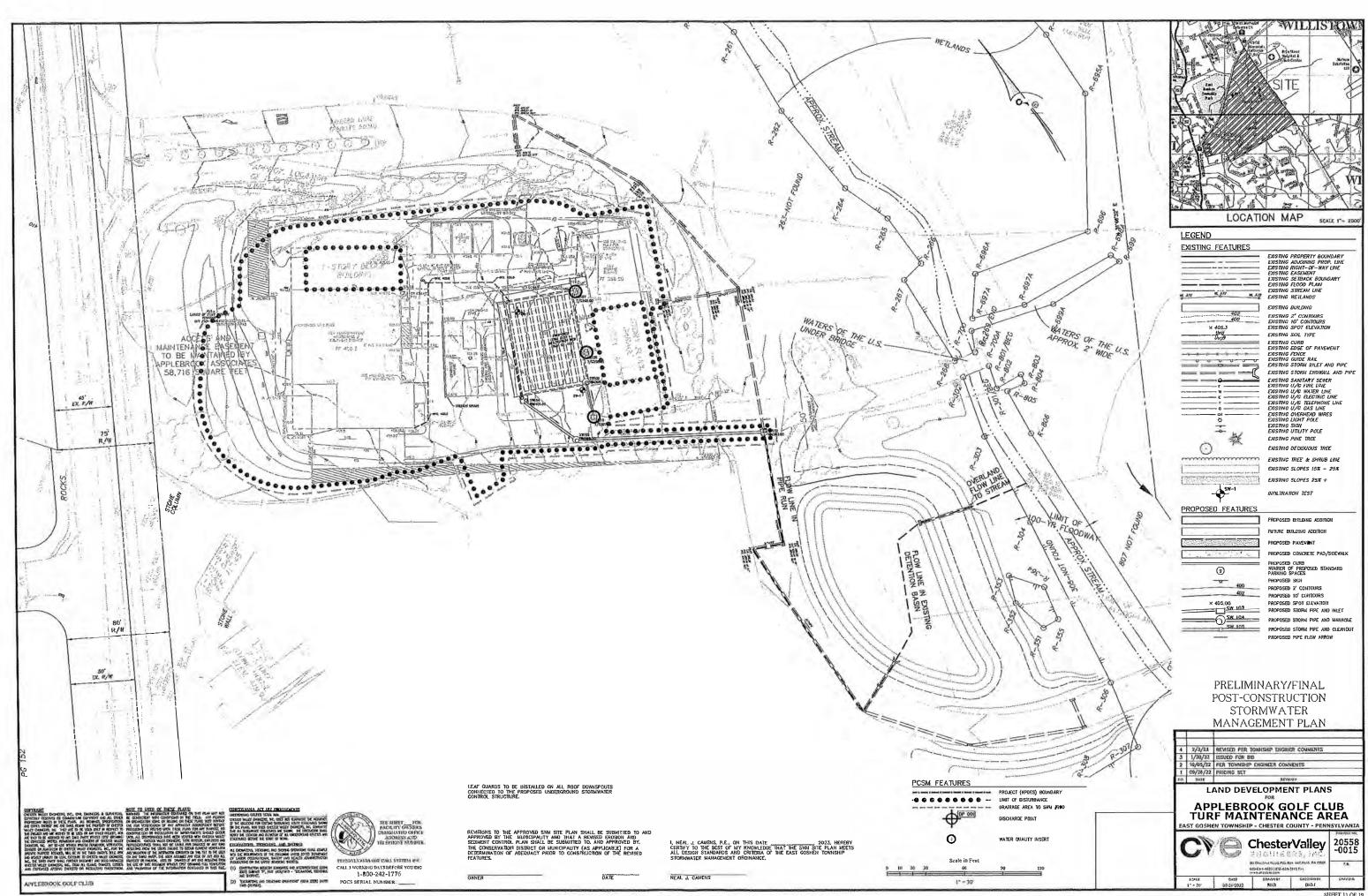
1. WASH RACK SHALL BE 20 FEET (MIN.) WIDE OR TOTAL WIDTH OF ACCESS.

2. YASH RACK SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE ANTICIPATEO CONSTRUCTION VEHICULAR TRAFFIC. 3. A WATER SUPPLY SHALL BE MADE AVAILABLE TO WASH THE WHEELS OF ALL VEHICLES EXITING THE SITE.

MAINTENANCE:

ROCK CONSTRUCTION ENTRANCE THICKHESS SMALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL SHALL BE HABITAINED ON SITE FOR THIS PURPOSE. DRAIN SPACE UNIDER WASH RACK SHALL BE KEPT OPEN AT ALL THISE. DAMAGE TO THE WASH RACK SHALL BE REPORTED PRIOR TO FURTHER USE OF THE RACK. ALL SEDIMENT DEPOSITED ON ROOWNATS SHALL BE REPORTED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. WASHING THE ROADWAY OR SKEEPING THE DEPOSITED ON RAWAT ONTORES, SENERS, CULVERIS, OR OTHER DRAINING THE OFFOSTIST INTO ROADWAY OTHORS, SENERS, CULVERIS, OR OTHER DRAINING COURSES IS NOT ACCEPTABLE.

WHEN USED: TREE PROTECTION FENCE MAY BE USED WHENEVER THERE ARE SPECIFIC TREES OR WOOGOD AREAS THAT MUST BE PROTECTED.



2. MAINTENANCE NOTES:
A. THE BUP'S LISTED BELOW WILL BE OWNED AND MAINTAINED BY THE <u>PROPERTY OWNER</u>
. WIRLITENATION BED

WATER QUALITY FILTER(S)
 STORM SEWER AND ASSOCIATED STRUCTURES

3. DISIGN CONSOERATIONS:
SUBSURFACE BED DESIGNED TO STORE AND MITROITE POST—DEVELOPMENT RUNOFF TO RATES LESS
THAN THOSE REQUIRED BY TOWNSHIP CODE.
SUBSURFACE BED DESIGNED TO MITROITE THE
POST—DEVELOPMENT VOLUME INCREASE DUE TO DEVELOPMENT, WATER QUALITY PILTERS DESIGNED TO
FILTER ALL SURFACE RUNOFF.

4. THE POST CONSTRUCTION STORMWATER MANAGEMENT PLAN HAS BEEN DESIGNED TO MEET THE FOLLOWING GOALS AND GUDELNES:

A. PRESENVE THE INTEGRITY OF STREAK CHANNELS AND MAINTAIN AND PROJECT THE PHYSICAL.
BIOLOGICAL AND CHEMICAL QUALITIES OF RECEIVING STREAMS.
PREVENT AN INCREASE IN THE RATE OF STORNWATER RUNFOF.
C. IMMUZIE ANY UNCREASE IN STORNWATER RUNFOF VOLUME.
D. MININIZE MORE MEDICAL STORNWATER RUNFOF VOLUME.
E. MAZUIZE THE PROTECTION OF EXISTING DRAINAGE FEATURES AND EXISTING VEGETATION.
F. MININIZE LAND CLEARING AND GRADING.
G. MININIZE SOIL COUPACTION.
UNITED LATER STRUCTURAL OR NONSTRUCTURAL BMP'S THAT PREVENT OR MINIMIZE CHANGES IN STORNWATER RUNFOFT.

THE RECEIVING WATER FOR THIS PROJECT IS RIDLEY CREEK. THE CHAPTER 93 CLASSIFICATION FOR THIS
WATERSHED IS HIGH QUALITY—TROUT STOCKING FISHES (HQ-TSF).

5. THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENT'S SOUD WASTE MANAGENENT REGULATIONS AT 25 PA. CODE, 286.1 ET 550, 271. ELT 560, AND 287.1 ET 550. THE CONTRACTOR SHALL HOT ILLEGALLY BURK, DUMP, OR DISCURARE, BURY, BURY, DUMP, OR DISCURARE AND BURYDOWN ATTERIAL OR WASTES AT THE SITE. CUSTOMICHOW MASTERS MUST BE RECYCLED TO THE CHIERT PRACRICABLE, AND DEGULAR COUNTRIBUTION.

THE PERMITTEE SHALL PROMDE DIGINEERING CONSTRUCTION OVERSIGHT FOR THE PROPOSED STORMWATER BMPS. A LICENSED PROFESSIONAL ENGNEER ROWNLEDGEAUE BY THE OSION AUTO CONSTRUCTION OF STORWAYDET BMPS. PREFERRALLY THE DESIGN ENGNEER, SHALL COMDUCT THE OVERSIGHT.

AS-BUILT PLANS OF THE STORMY/ATER BMP'S SHALL BE PROVIDED WITHIN SIX MONTHS FOLLOW COMPLETION OF FACH PHASE. THE AS-BUILT PLANS SHALL BE SIGNED AND SEALED BY A PA RECISTERED PROFESSIONAL ENGINEER.

A NOTICE OF TERMINATION (NOT) WILL BE REQUIRED TO BE SUBJUITED FOLLOWING APPROVAL OF THE FINAL AS-BUILT PLANS. PRIOR TO ACCEPTING THE HOT, THE DEPARTMENT AND/OR CONSERVATION DISTRICT STAFF WILL PERFORM A FEAL INSPECTION TO ENSURE SITE STABILIZATION AND VERIFY ADEQUATE INSTALLATION AND FUNCTION OF STORMWATER BMP'S.

PCSM REPORTING AND RECORDKEEPING. THE PCSM PLAN, INSPECTION REPORTS AND MONITORING RECORDS SMALL BE AVAILABLE FOR REVIEW AND INSPECTION BY THE DEPARTMENT OR THE CONSERVATION DISTRICT.

IL FINAL CERTIFICATION. THE PERMITTEE SHALL INCLUDE WITH THE NOTICE OF TERMINATION "RECORD ORANINGS" WITH A FINAL CERTIFICATION STATEMENT FROM A LUCENSED PROFESSIONAL, WHICH READS AS FOLLOWS:

"I (NAME) DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 P.A.C.S.A. § 4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND RELIEF, THAT THE ACCOUNTAINED RECORD DRAWNESS ACCURATELY REPLECT THE AS-BULLT CONDITIONS, ARE TRUE AND CORRECT, AND ARE IN CONFORMANCE WITH CHAPTER 102 OF THE RULES AND REQUATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE PROVECT SITE WAS CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PCSW PLAN, ALL APPROVED

(1) THE PERMITTEE SHALL RETAIN A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED

POSIL PLAN.

(2) THE PERMITTE SHALL PROVIDE A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED POSIL PLAN TO THE PERSON IDDITIFIED IN THIS SECTION AS BEING RESPONSIBLE FOR THE LONG—TERM OPERATION AND MAINTENANCE OF THE POSIS BAPS.

12. UPON PERMANENT STABILIZATION OF THE EARTH DISTURBANCE ACTIVITY UNDER § 102.22(A)(2) (RELATING TO PERMANENT STABILIZATION), AND INSTALLATION OF BIMPS IN ACCORDANCE WITH AN APPROVED PLAN PREPARED AND IMPLEMENTED DI ACCORDANICE WITH B§ 10.24, AND 10.26 (RELATING TO EMBOSION AND SCHIERTOCK REQUIREMENTS). THE PERMITTEE OF CO-PERMITTEE SHALL SUBBIT A NOTICE OF TERMINATION TO THE DEPARTMENT OR COMESTIVATION DISTRICT.

THE NOTICE OF TERMINATION MUST INCLUDE:

(1) THE FACULTY NAME, ADDRESS AND LOCATION.

(2) THE OPERATOR NAME AND ADDRESS.

(3) THE PERMIT HUMBER.

(4) THE REASON FOR PERMIT TERMINATION.

(5) IDENTIFICATION OF THE PERSONS WHO HAVE A

(6) IDENTIFICATION OF THE PERSONS WHO HAVE A

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(16) IDENTIFICATION OF THE PERSONS WHO HAVE A

(17) IDENTIFICATION OF THE PERSONS WHO Y, INC. ACADMENT FOR TERMINITEDIMENTALION.

DENTIFICATION OF THE PERSONS WHO HAVE AGREED TO AND WILL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MANTENANCE OF THE POSM BURPS IN ACCORDANCE WITH \$102.8(M) AND PROOF OF COMPUNICE WITH \$102.8(M) AND PROOF OF COMPUNICE WITH \$102.8(M) AND PROOF OF

PRIOR TO ACCEPTING THE NOT, THE DEPARTMENT AND/OR CONSERVATION DISTRICT STAFF WILL PERFORM A FINAL HISPECTION AND APPROVE OR DENY THE NOTICE OF TERMINATION.

GENERAL CONSERVATION NOTES AND SPECIFICATIONS.

INTENT OF CONSERVATION PROGRAM: THE INTENT OF THIS PROGRAM IS TO PREVENT ACCELERATED EROSON OF THE EXPOSED SITE SOLS DURING THE CONSTRUCTION AND PERIAMENT LIFE PERIODS OF THE DEVELOPMENT. THE PROGRAM REQUIRES RETENTION OF ALL SEDMENTS ON THE CONSTRUCTION SITE TO MINIMIZE THE MACT OF DEVELOPMENT ON EXISTING STREAMS AND ADJACENT PROPERTY OWNERS. THESE OBJECTIVES WILL BE AGREEDED BY MINIMIZED THE EXPOSED THE OF POTENTIALLY ENOUGH SOUND STREAMS AND ADJACENT PROPERTY OWNERS. THESE AND INSTALLATION OF THE TEMPORARY CONSTRUCTION. THE INTENT OF THIS PROGRAM SHOULD HONDERS ON ADJACENT PROPERTY OWNERS. THE AND ADJACENT THE WINDOWS CONSTRUCTION THAN SHOULD BE STRUCKED TO PREVENT UNDUR CONSTRUCTION THAN SHOULD BE STRUCKED.

SURFACE STABIUZATION CRITERIA: ALL DISTURBED SOIL SURFACES, INCLUDING SOIL STOCKPILES, ARE SUBJECT TO EROSION AND SHALL BE STABILIZED DITHER TEMPORARILY OR PERMANENTLY, JUNEONIATELY OURRIGO NON-DERMINATION PERFORMS, MULTICH JUNIST BE APPLIED AT THE RECOMMENDED ANTES. CRUSHED STONE ON PAREMENT SUBGRADES IS CONSIDERED ADEQUATE PROTECTION. ALL DISTURBED ZONES AND VECETATED RECONSISTABLE BE STABILIZED. PREFERABLY WITH A PERMANENT TREATMENT

CRITICAL VEGETATION AREAS (CVA)

CRITICAL YEGETATION AREAS ARE TO BE GRADED, HYDROSEEDED, AND MULCHED WITHIN 10 DAYS OF THE BEGINNING OF EXCAVATION. IN GENERAL, CRITICAL YEGETATION AREAS ARE DEFINED AS CUIT SLOPES STEEPER THAN 3:1. AND FULL SLOPES STEEPER THAN 3:1. AND IN ALL DRAINAGE SWALES.

DISPOSAL AND RECYCLING

CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL DEMOUSHED OR WHOSE CONSTRUCTION MATERIALS. CARBAGE SHALL BE COLLECTED ON-SHE WHILL RETRIEVED BY AN APPROVED DISPOSAL OR RECYCLING COMPANY, CONTRACTOR SHALL NOT MOMERATE EXCESS MATERIALS.

LIKELY WASTE TO BE GENERATED AT THIS SITE:
- UNUSED CONCRETE TO BE PLACED IN CONCRETE WASHOUT AREAS;
- EXCESS SLT SOCK AND FENCING NATERIALS;
- GENERAL RUBBISH AND DEBRIS

THERMAL IMPACT

STORMWATER RUNOF FROM THE DRIVEWAY AND PARKING AREAS ORAIN TO A SUBSURFACE INFILITRATION BED
AND UNDERGROUND STORM DRAIN PIPES. THEREFORE, THE INITIAL RUNOFF THAT IS MOST LIKELY TO WARMER
IS SENT UNDERGROUND AND NOT DISCHARGED TO THE WATERCOURSE. FURTHER, THE REDUCTION OF
REFERMOUS SUFFACES LESSEAUS THE POTENTIAL OF THERMAL IMPACTS. WATER HAS TIME TO COOL PRIOR TO
LEAVING THE SHE AND DRAINING TO THE WATER COURSE.

SPECIAL GEOLOGIC AND SOIL CONDITIONS

NO SPECIAL SOIL OR GEOLOGICAL ISSUES ARE KNOWN.

POST CONSTRUCTION STORMWATER MANAGEMENT PCSWM) LONG-TERM OPERATIONS AND MAINTENANCE REQUIREMENTS

I. UNTIL THE PERMITTEE OR CO-PERMITTEE HAS RECEIVED WRITTEN APPROVAL OF A NOTICE OF TERMINATION, THE PERMITTEE OR CO-PERMITTEE WILL REMAIN RESPONSIBLE FOR COMPLIANCE WITH THE PERMIT TERMS AND CONCITIONS HIGHIDING LONG-TERM OPERATION AND MAINTENANCE OF ALL PECKIN BURY OR THE PROJECT SITE AND IS RESPONSIBLE FOR VIGLATIONS OCCURRING ON THE PROJECT SITE.

THE PERMITTEE OR CO-PERMITTEE SHALL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF PCSMM BURDS UNLESS A DIFFERENT PERSON IS IDENTIFIED IN THE NOTICE OF TERMINATION AND HAS AGREED 10 LONG-TERM OPERATION AND MAINTENANCE OF PCSMM BMPS.

10 LONG-TERM OPERATION AND MAINTENANCE OF PCSWM BMPS.

FOR AMY PROPERTY CONTINUING A PCSWM BMP, THE PERMITTEE OR CO-PERMITTEE SHALL RECORD AN INSTRUMENT WITH THE RECORDER OF DEEDS WHICH WILL ASSURE DISCLOSURE OF THE PCSWM BMP AND THE RELATED COULDANDS IN THE CORDINARY COURSE OF THE STATE OF THE POWER OF THE CORDINARY COURSE OF THE SEASON BMP AND THE CORDINARY COURSE OF THE SEASON BMP AND THE CORDINARY COURSE OF THE STATE OF THE POWER PROVIDE NOTICE THAT THE RESPONSIBILITY FOR LONG-TERM OPERATION AND MAINTENANCE FOR PCSWM BMP BA OF THE COMPANY THAT RUMS WITH THE LIMIT THAT IS BIRDING UPON AND EMPCREEABLE BY THE SUBSCUENT CRAMITES. AND PROVIDE PROOF OF FIRING WITH THE NOTICE OF TERMINATION UNDER \$ 102.76 (SEE) (RELATION TO PERMIT TERMINATION).

THE PERSON RESPONSEILE FOR PERFORMING LONG-TERM OPERATION AND MAINTENANCE MAY DATER INTO AM AGREEMENT WITH ANOTHER PERSON INCLUDING A CONSERVATION DISTRICT, NORPROFT DERANIZATION, MUNICIPALITY, AUTHORITY, PRIVATE CORPORATION OR OTHER PERSON, TO TRANSFER THE RESPONSIBILITY FOR PERSON BIFFS OR TO PERFORM LONG-TERM OPERATION AND MAINTENANCE AND PROVIDE NOTICE THEREOFT OF THE DEPARTMENT OF EAWNORMENTAL PROTECTION.

5. A PERMITTEE OR CO-PERINTTEE THAT FAILS TO TRANSFER LONG-TERM OPERATION AND MANIENANCE OF THE PESMM BUP OR OTHERMISE FAILS TO COMPLY WITH THIS REQUIREMENT SHALL REGAM JONILY AND SEVERALLY REPORTINGE WITH THE LANDOWNER FOR LOW-CHEMICAL OF THE PESMM BUPS LOCATED ON THE PERMINENANCE OF THE PESMM BUPS LOCATED ON THE

6. IN THE EVENT THAT THE BMP IS NOT FUNCTIONING PROPERLY, THE PERSON RESPONSIBLE FOR PERFORMING LONG—TEXA OPERATION AND MARITEMANCE SHALL BE REQUIRED TO REPAIR OR REPLACE THE BMP TO ENSURE FUNCTION AND OPERATION.

7. THE PERMITTEE SHALL BE REQUIRED TO SUBMIT A WRITTEN REPORT DOCUMENTING EACH INSPECTION AND ALL BMP REPAIR AND MAINTEN ANCE ACTIMITES TO THE TOWNSHIP, CONSERVATION DISTRICT, AND THE DEPAR MENT UPON REQUEST.

BMP FAILURE NOTES (PER PROTOCOL 2 OF THE BMF MANUAL)

THE TERM "FAILURE" FOR THE PROPOSED SUBSURFACE BED SHALL BE DEFINED

1) THE LOSS OF FUNCTIONALITY OF THE PROPOSED OUTLET STRUCTURE OR DISCHARGE PIPE 2) THE LOSS OF STRUCTURAL INTEGRITY OF THE STONE AND PIPES 3) THE ACCUMULATION OF SEDIMENT, TRASH OR DEBRIS & PERIMETER DRAMAGE STRUCTURES. 4) STANDING WATER IS OBSERVED IN THE BASIN AFTER 72 HOURS

THE PERMITTE SHALL MAKE THE MECESSARY REPAIRS TO THE OUTLET STRUCTURE, DISCHARGE PIPING, STONE, AND PERFORATED PIPE AS NEEDED. IF STANDING WATER IS OBSERVED AFTER 72 HOURS, CONSULT ENGINEER FOR REMEDIATION OF THE UNDERGROUND SED.

THE TERM "FAILURE" FOR THE PROPOSED WATER QUALITY INLETS (FILTER INISERTS) SHALL BE OERNED AS:

1) DISCOVER EMDENCE OF DAMAGED FILTER MEDIA
2) DISCOVER EMDENCE OF THE FILTER MEDIA'S INABILITY TO SUPPORT ACCUMULATED SEGMENT OR DEBURY.

THE PERMITTEE SHALL REPAIR BMP FAILURE BY REPLACING THE FILTER MEDIA IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

POST CONSTRUCTION STORMWATER MANAGEMENT. REPORTING AND RECORD KEEPING

A WRITTEN REPORT DOCUMENTING EACH INSPECTION AND ALL BUP REPOARD AND MAINTENANCE ACTIVITIES MUST BE PROVIDED AS PARY OF THE LONG-TERM OPERATION AND MAINTENANCE PROGRAM.

THE POST CONSTRUCTION STORMWATER MANAGEMENT PLAN, INSPECTION REPORTS, AND MONITORING RECORDS SHALL BE AVAILABLE FOR REVIEW AND INSPECTION BY THE DEPARTMENT OR THE CONSERVATION DISTRICT.

WATER QUALITY INLETS (FILTER INSERTS)

IT SHALL BE THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN ALL WATER WALLY INCETS ON SITE.

INSPECTION REQUIREMENTS

1. WATER QUALITY INLET INSERTS SHOULD BE INSPECTED THREE TIMES PER YEAR.

A. DURING THE THREE ROUTHE INSPECTIONS, THE FILTER MEDIA SHALL BE CLEANED. B. ONE REGULAR CHANGE AND DISPOSAL OF THE FILTER MEDIA SHALL OCCUP DURING THE CALENDAR YEAR AS WELL.

BIMP FAILURE IS DEFINED AS DISCOVERING EVIDENCE OF TORN FILTER FABRIC OR FILTER MEDIA NABILITY TO SUPPORT ACCUMULATED SEDIMENT

2. REPAIR BMP FAILURE BY REPLACING THE FILTER MEDIA IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

GENERAL MAINTENANCE ROTES

1. WATER QUALITY INLET INSERTS SHALL BE CHECKED TO ENSURE THEY ARE
SECURELY PASTENED DURING EACH INSPECTION.

2. RECOMMENDED MAINTENANCE IS PERFORMED INCLUDING REMOVAL AND DISPOSAL OF THE FILTER MEDIA OR EXCESS MATERIAL BY PERSONNEL

DISPOSAL

1. DISPOSAL OF REMOVED MATERIAL WILL DEPEND ON THE NATURE OF THE DRAINAGE AREA AND THE INTENT AND FUNCTION OF THE WATER QUALITY

2. MATERIAL REMOVED FROM WATER QUALITY INSERTS THAT SERVE "HOT SPOTS" SUCH AS TULLING STATIONS THAT RECEDY A LARGE AUGUST OF DEBRIS SHOULD BE HANDLING ACCORDING TO DEP RECULTIONS RIGH THAT TYPE OF SOULD WASTE, SUCH AS A LANDRAL THAT IS APPROVED BY DEP TO ACCEPT SOULD WASTE, WATER QUALITY INSERTS THAT PROMAREL YOUNG EXCHANGE AND LETTRIUS FROM AREAS SUCH AS LAWNS MAY REUSE THE WASTE OOK SIE.

CONSTRUCTION SECURICE THE REMOVE THE GRATE OF THE INSTALLED INLET AND SET IT TO THE SIDE.

2. REMOVE DEBRIS AND LITTER FROM THE INLET.

3. CLEAN OFF THE GRATE BEARING LEDGE.

4. LOWER THE FILTER ASSEMBLY INTO THE INLET UNTIL THE ASSEMBLY'S SUPPORT PLANCES REST ON THE GRATE BEASING LEDGE.

5. Insure that the four filter medium cartridges are attached to the $\rho{\sim}rings$ in the bottom corners of the filter assembly.

CRITICAL STACE OF CONSTRUCTION; CONTACT ENGINEER TO VERIFY PASTALLATION OF WATER QUALITY INSERTS.

6. REPLACE THE INLET GRATE

SUBSURFACE INFILTRATION BED (SWM #100). IT SHALL BE THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN THE SUBSURFACE STOR WHATER MAINAGEMENT SYSTEM(S).

SPECIFICATIONS

1. AGGREGATE: AGGREGATE FOR BEDS SHALL 85 3/8 INCH TO 3/4 INCH UNIFORMLY GRAPED COARSE AGGREGATE, AASHTO NUMBER 57 PER TABLE 4, AASHTO SPECIFICATIONS, PART I, 13TH ED 1986 (P. 47).

120 LB S. 225 PS I. 95 GPM/FT² 70%

STORAGE PIPE: SHALL BE CONTINUOUSLY PERFORATED, SMOOTH INTERIOR. HIGH-DENSITY POLYETHYLENE (HOPE) PIPE SHALL MEET AASHTO M252, TYPE S OR AASHTO M294, TYPE S.

NASPECTION REQUIREMENTS

1. ALL STORMWARES MANAGEMENT SYSTEMS SMALL DE INSPECTED ANNUALLY,
OR AFTER EACH RAWARL EVENT IN EXCESS OF TWO (2') INCHES (MAJOR
STORM EVENT), FOR TRASH AND DEBRIS, ANY DISCOVERED TRASH OR
DEBRIS SHALL BE REMOVED IMMEDIATED.

GENERAL MAINTENANCE HOTES

1. ACCESS FOR VIEWING OR VACUUMING IS PROVIDED THROUGH GESERVATION PORTS AND STORM MANHOLES.

REMOVE SEDIMENT/TRASH/DEBRIS FROM PERIMETER DRAINAGE STRUCTURES AND OUTLET STRUCTURE.

THE OVERLYING VEGETATION OF SUBSURFACE INFILTRATION FEATURES SHOULD BE MAINTAINED IN GOOD CONDITION, AND ANY BARE SPOTS REVEGETATED AS SOON AS POSSIBLE.

VEHICULAR ACCESS ON SUBSURFACE INFILTRATION AREAS SHOULD BE PROHIBITED IN UNPAYIND AREAS, AND CARE SHOULD BE TAKEN TO AVOIC EXCESSIVE COMPACTION BY MOWERS, IF CONTINUAL ACCESS IS NEEDED, USE OF PERMEABLE, TURF REINFORCEMENT SHOULD BE CONSIDERED.

CONTACT QUALIFIED ENGINEER IMMEDIATELY AFTER DISCOVERY OF SINKHOLE OCCURRENCE, SHKHOLE SHOULD BE PROMPTLY AND PROPERLY REPAIRED.

CONSTRUCTION SEQUENCE

1. INSTALL AND MAINTAIN ADEQUATE EROSION AND SEGMENT CONTROL MEASURES DURING CONSTRUCTION.

INSTALL CONSTRUCTION FENCING AROUND PERIMETER OF INFILTRATION AREA TO PREVENT CONSTRUCTION TRAFFIC FROM COMPACTING EXISTING

INSTALL UPSTREAM AND DOWNSTREAM CONTROL STRUCTURES, CLEANUTS
STORAGE PIPE, AND ALL OTHER NECESSARY STORMWATER STRUCTURES.

PACE TO THE THE CONTROL FROM TO BOTH THE STANDED THE SAME PIES, AND BED THE SAME PROPAGATOR AND INSTALLOR WE SETUTIVES GOTTENIE. SHOULD BE PACED IN ACCORDANCE WITH MANUFACTURES STANDARDS

CLEAN-WASHED, UNIFORMLY GRADED AGGREGATE SHOULD BE PLACED IN THE BEO IN MAXIMUM 6-INCH UFTS. EACH LAYER SHOULD BE LIGHTLY COMPACTED, WITH CONSTRUCTION EQUIPMENT KEPT OFF THE BED BOTTOM APPROVED SOIL MEDIA OR PAYEMENT BASE COURSES SHOULD BE PLACED OVER DETENTION BED IN MAXIMUM 5-INCH LIFTS, SEED AND STABILIZE AREA IF APPLICABLE.

DO NOT REMOVE INLET PROTECTION OR OTHER EROSION AND SEDIMENT CONTROL MEASURES UNTIL SITE IS FULLY STABILIZED.

STORM SEWER

MSPECTION REQUIREMENTS:

ALL STORM COLLECTION STRUCTURES SHALL BE INSPECTED ANNUALLY OF
AFTER EACH RAIPFALL EXPLIT IN EXCESS OF TWO (2") INCHES (MAJORI
STORM COLLY), FOR THE STANDING COLLY, THE STORM COLLY, THE STANDING COLLY, THE ST

CRITICAL STAGES OF CONSTRUCTION

A LICENSED EXGRIPER OR HIS DESIGNE SHALL BE PRESENT TO GESERVE AND VERFY
RISTALLARON AND CONSTRUCTION OF THE POSMA PLAN AT THE FOLLOWING CRITICAL
STAGES:

3. INSTALLATION OF WATER QUALITY INLET FILTERS.

FOLLOWING CONSTRUCTION, ENGINEER TO YERFY THAT ALL POSU BMPS ARE HISTALLED, FUNCTIONING, AND HAVE NOT BEEN MYACTED BY CONSTRUCTION ACTIVITIES.

PRELIMINARY/FINAL OPERATIONS AND MAINTENANCE PLAN

4 2/3/23 REVISED PER TOWNSHIP ENGINER COMMENTS 3 1/20/23 ISSUED FOR BID
2 10/05/22 PER TOWNSHIP ENGINEER COMMENTS 1 09/26/22 PRICING SET

LAND DEVELOPMENT PLANS

APPLEBROOK GOLF CLUB TURF MAINTENANCE AREA

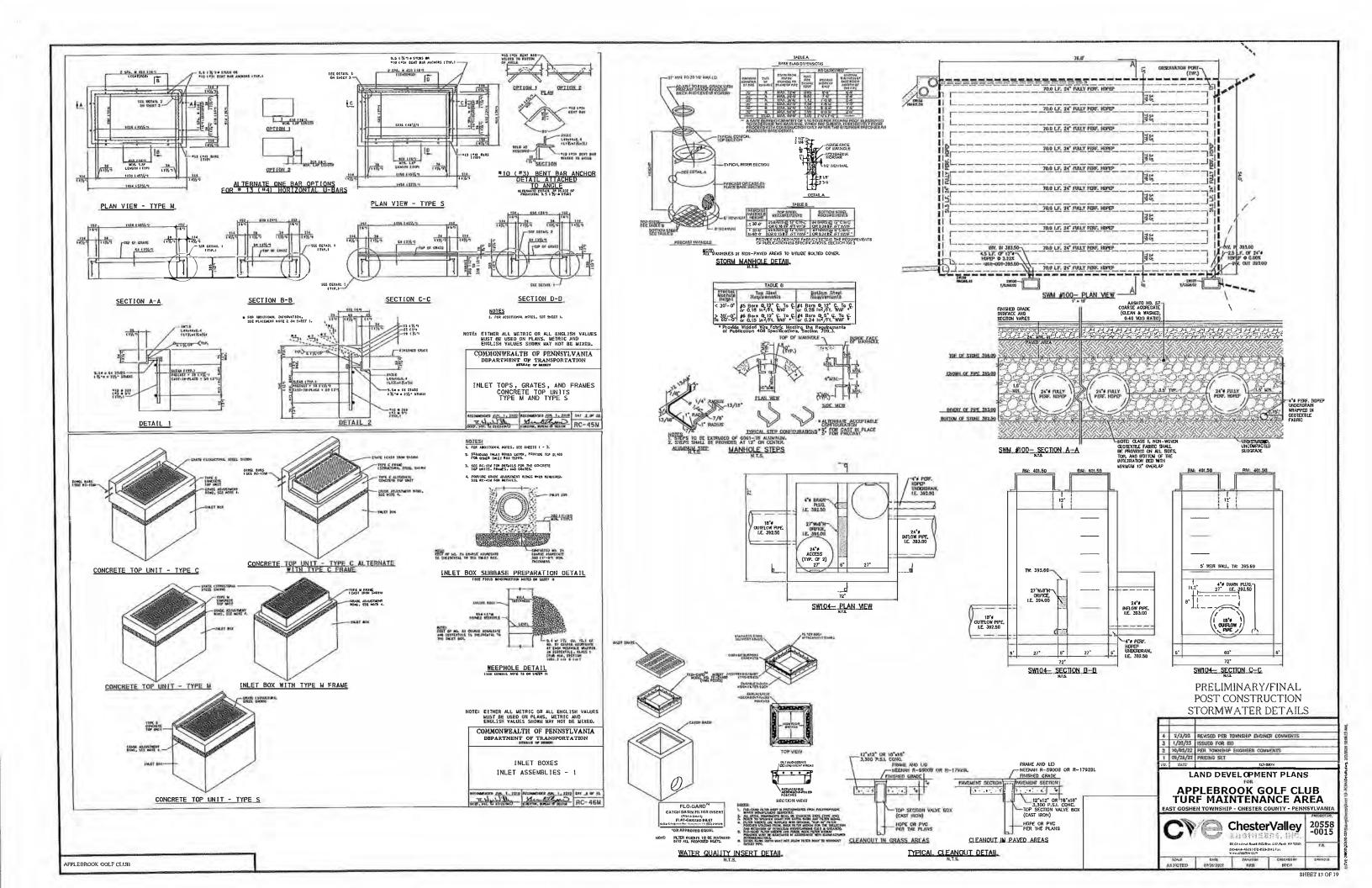


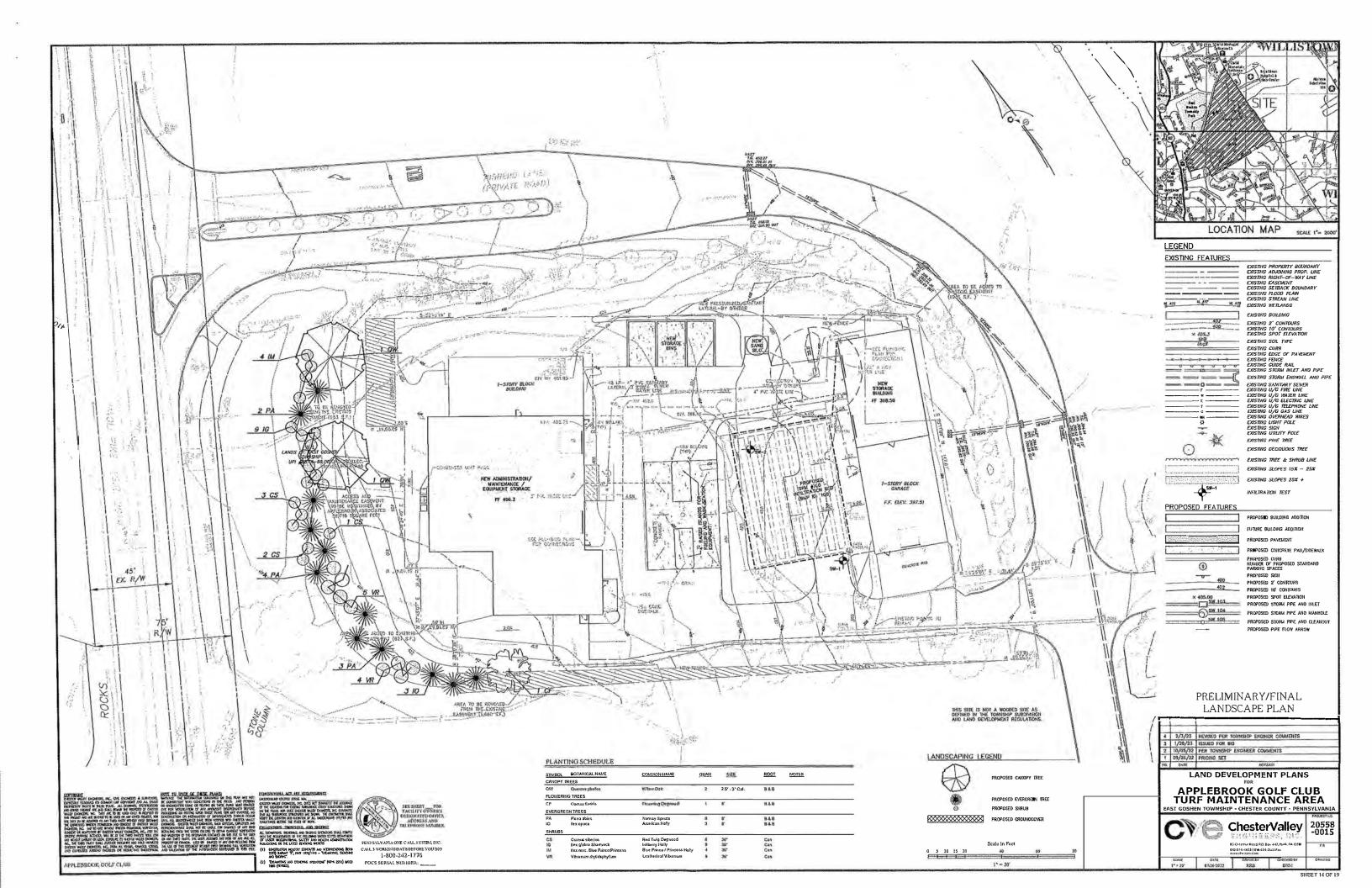
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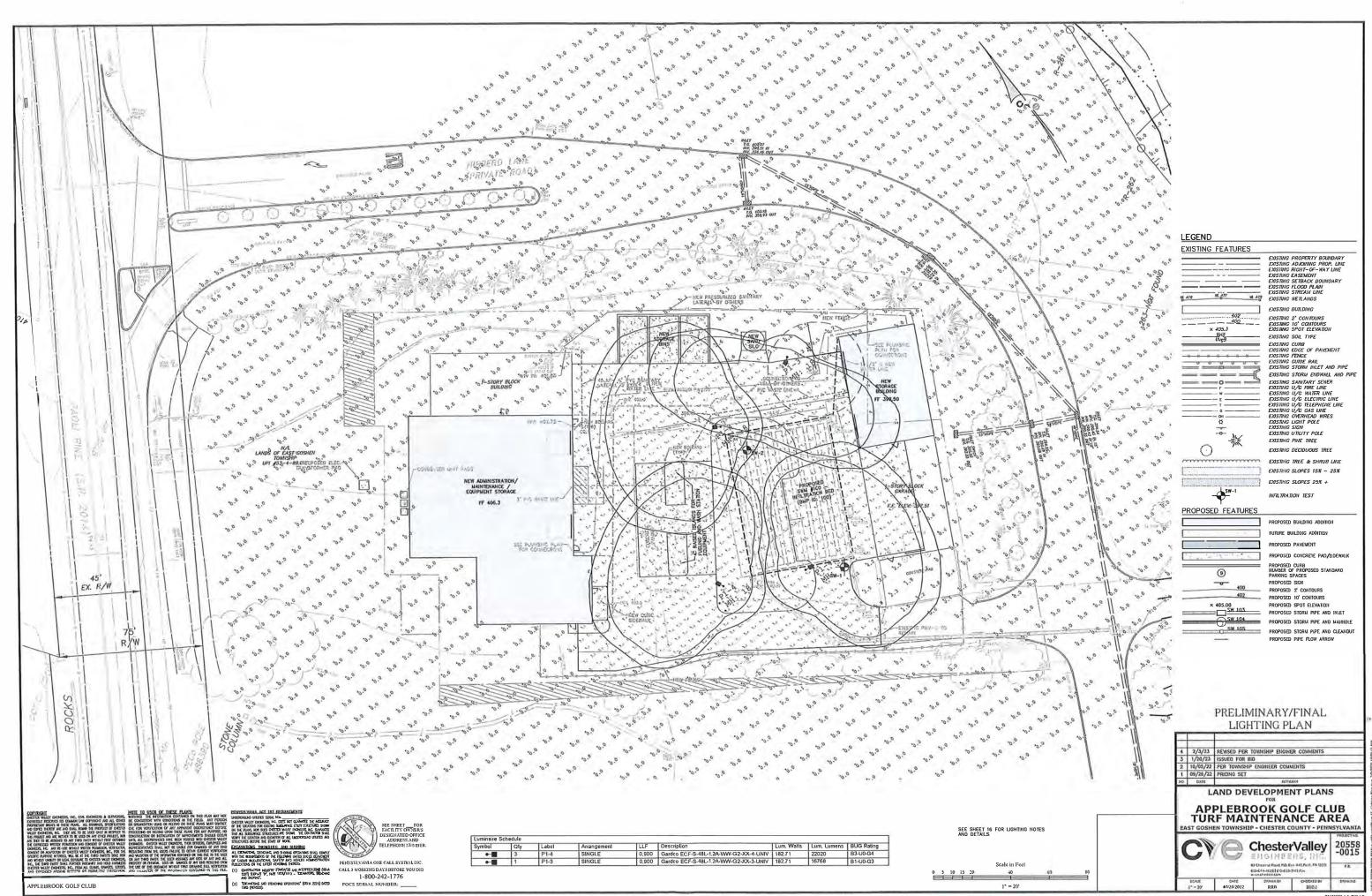
RRJ

APPLEBROOK GOLF CLUB

f.a.











combined with special shielding, making it a wildlife friendly lighting solution. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles, integral control systems available for further energy savings

Frejest.	
Location	
Cat No	
Type:	
Gij	
Notes:	

Ordering gulde

example: ECF-S-64L-600-AM-G2-AR-5-120-FWC-MG6

ECF-S		Andrew (ISS)	0-0-0-	AM-G2	ALC: N	- Anna Anna Anna Anna Anna Anna Anna Ann	Artigo
	EcoForm site and area widdle	221. SLEDS (Znoddes) 48. SEDS (Dnoddes) 641. 641.03 (knoddes)	400 400mA 400 600mA	AN-GI Direct Amb control 590 must Spectrum L Generation	(stardard) The following mounting	Irps2 2 Nys-2 Irps3 Irps3 Irps4 4 Nys-4 Irps5 5 Upc5 6w Upc5w	120 1207 208 2057 240 2407 277 277V 347 347V 440 4507 100-277V (50-6544) 100-277V (50-6544) 100-277V (50-6544)
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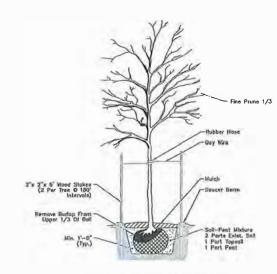
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AREA LIGHTING CONTROLS.

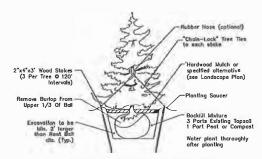
- AREA LIGHTING FIXTURES TO BE CONTROLLED BY ELECTRONIC TIMERS. HOURS OF OPERATION: SUNDOWN UNTIL DAWN. LIGHTS TO BE DIMMED TO 25% AT 9:00 PM FOR SECURITY PURPOSES.

PLANTING NOTES

- This Londscope Pion is intended to be used for londscoping
- Landscope contractor shall inspect the site and become formiliar with the planting area prior to the installation of any plant
- The Landscape Contractor is responsible for supplying all materials, supplies, equipment and labor required to install the landscaping shown on these plans.
- 5. All plant material subject to approval by the Owner or Owners representative prior to installation. Plant material shall be nursery grown locally, feshly dug, shall be a free of disease and pests, and shall be full and well shoped. Any material found to be unocceptable shall be replaced with acceptable material at no cost to the owner.
- The Contractor shall advise the Londscape Architect and/or Owner in writing of any proposed substitutions for the plant material specified and these substitutions shall be subject to the approval by the Landscape Architect and/or Owner prior t installation.
- Plant material and installation shall be in accordance with the American Standard for Nursery Stock of the American Association of Nurserymen (as lost revised) and with the general planting specifications of the municipality.
- All plont material shall be of the minimum size noted on the plans. Plant material shall be measured in occordance with the American Standard for Nursery Stock as lost revised.
- 9. All oreas to be lendscoped, especially next to building oreas, shall be excavated of all building material, debris and poor soils to a minimum depth of 12-18° and backfilled with a good, medium textured planting soil. All lown areas shall have a minimum of 4-6° of topsoil spread prior to seeding or sadding as may be specified. Areas adjacent to curbs and wolks shall be crowned or minimum of 4* higher than the top of curb or walk to allow for settling, however linished grade immediately adjacent to the curb or walk shall be sufficiently depressed to allow for the surface of any mulching or soil to be even with the top of curb or walk.
- All borders between lawn areas and planting beds shall not have adging unless otherwise noted on the plans.
- 11. Compacted existing sols shall be remediated with soll additives or soil replacement prior to planting.
- See Tree Planting Details for tree planting, staking and guying directions. See Shrub Planting Details for shrub planting directions. Tree shall be staked immediately after planting.
- 13. Remove all twine and wire from tree and shrub root bolls. Remove all non-rot burdap and twine from all plant material prior to planting. Until cell twine and/or burdap from the trunk of the plant material and drops down the roat ball or remove from plant. Remove all plant cantalerar prior to planting.
- 14. Prune all plant material after planting in accordance with the American Association of Nurserymen standards. Fine prune all plants to shape, but do not disfigure plant material. Prune all dead branches from plant material.
- 15. Umb deciduous, high canopy (shade) trees to 6' above grade
- 16. Al plontings shall be installed in the locations shown on the Landscope Plans. Minor adjustments for field conditions amy be required. Significant adjustments needs to be approved by the Owner prior to plonting.
- Conopy trees to be placed a minimum of 30° from paved areas and wolkways unless otherwise directed.
- 18. Contractor shall final grade all planting areas and berms as necessary prior to the installation of the plant material unless final grading is to be performed by others. Regardless, planting areas shall be fine raked smooth and even ofter the installation of the plant material and prior to mulching. No plant material shall be installed and no raking shall occur if the soils are saturated or muddy.
- 19. Trees and shrubs to be planted slightly higher (2* mox.) than the grade that the plants were gram at the nursery (roughly the top of the roat ball). Contractor is responsible for plant installation to the proper height.
- 20. Trees and shrubs shall not be planted over any underground utility, nor within any underground utility easement (minimum of 10' from the center of the plps). Contractor shall verify location of all underground utilities prior to startling work.
- Trees planted in lown areas to be mulched with a ring a
 minimum of 2' wide with a minimum of 3' of mulch unless
 otherwise noted or required for tree protection. Shrub beds to
 be mulched to a minimum depth of 3'.
- 22. Shrub groupings shawn on the Landscope plans shall be planted as a single bed.
- Mulch to be shredded hordwood bark. Prior to installation of the mulch, spread o pre-emergient herbicide.
- 24. Plant moterial shall be installed the same day as it is delivered to the site to the extent practical. Any plant material the is not planted the same day it orrives shall be protected from drying out by the Contractor until it can be planted.
- 25. Contractor shall thoroughly water all material planted at the end of each day.
- 26. Contractor shall apply anti-desiccont to plant material for late summer and fall plantings.
- Upon completion of planting and mulching and at the end of each day, Contractor shall remove all extreneous material and debris, broom sweep and wash the area clean.
- 28. Contractor shall guarantee all plant material for a period of 2 years from the date of acceptance by the Owner. All plant material that does not survive the guarantee period shall be replaced by the Contractor. Deed plants shall be replaced no later than the next planting season.
- 29. Contractor shall notify the Owner upon the completion of the guarantee period and schedule o find inspection of the plant material and lown areas. At or before the final inspection, Contractor shall remove any remobiling tree stakes and prun the plant material os needed unless otherwise directed by the
- 30. All oreos disturbed by construction activities that are not shown to be planting beds on the Landscope Plans, shall be seeded as lown areas per the seeding specifications on these plans.
- Contractor shall provide all topsoil, fertalizers and other additives as required unlass otherwiss directed by the Owner. All materials used shall be as specified or better.
- 32. Contractor shall be responsible for the maintenance of the plant material until such time as the project is accepted by the Oaner. Maintenance shall include, but its not limited to, watering, fertilizing, pruning, mawing and weedling.



TYPICAL -DECIDUOUS -TREE -PLANTING



TYPICAL EVERGREEN TREE PLANTING



TYPICAL SHRUB PLANTING

PRELIMINARY/FINAL LANDSCAPE & LIGHTING DETAILS

4	2/3/23	REVISED PER TOWNSHIP ENGINER COMMENTS	
3	1/20/23	ISSUED FOR BID	
2	10/05/22	PER TOWNSHIP EN GIRER COMMENTS	1
4	09/26/22	PRICING SET	
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SHEET 16 OF 19

APPLEBROOK GOLF CLUB