EAST GOSHEN TOWNSHIP PLANNING COMMISSION Meeting Agenda Tuesday, April 25, 2023 7:00 PM

- A. Call to Order / Pledge of Allegiance and Moment of Silence
- B. Chairman will ask if anyone is going to record the meeting.
- C. Review of Tracking Log / Determine need for Workshop Meeting
- D. Public Comment on Non-Agenda Items
- E. Approval of Minutes
 - 1. March 28, 2023
- F. Subdivision and Land Development Applications
 - 1. 301 Reservoir Road Residential Subdivision- No Action Required.
 - 2. 14 Reservoir Road Residential Subdivision No Action Required.
 - 3. Miller Property Residential Subdivision No Action Required.
- G. Conditional Uses and Variances
 - 1. 905 Airport Road (No Action Waiting for UC Decision)
- H. Zoning Hearing Board Variances
 - 1. 901 Sorrell Hill drive (No Action ZHB Variance Granted ZHB Variance Closed)
- I. Ordinance Amendments
 - 1. Applebrook Golf Club Turf Maintenance Area (Copy in packet Closed)
- J. Old Business
 - 1. The Malvern Institute Update No Action Required
 - 2. Applebrook Golf Club Turf Maintenance Area Preliminary/Final Land Development Presentation.
- K. New Business
 - 1. Willistown Township is in the process of updating its Comprehensive Plan. They made a draft copy available for review and commenting.
- L. Liaison Reports
- M. Correspondence
- N. Announcements
- O. Next Meeting May 23, 2023, at 7pm.

Bold Items indicate new information to review or discuss.

East Goshen Township Planning Commission Application Tracking Log

Luku C. 2022 DC Manting	1	1						-		Г			
July 6, 2022 PC Meeting	15												
Application Name	Application (CU,LD,ZO, SD, SE, C,	Type (Sk, P, F)	Date Filed	Start Date	Date to Township Engineer	Date to CCPC	Date to Abutting Prop. / ABC's	Extension	PC NLT Action Date	BOS NLT Action Date	Hearing Date	Drop Dead date	Comments
Paoli Pike Trail ALT Route	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bold = New Application or PC actio	n requ	ired											
901 Sorrell Hill Drive	ZDV	Α	2/17/2023	2/17/2023	NA	NA	3/16/2023		3/28/2023	4/4/2023	4/12/2023	4/17/2023	ZHB Granted Request - Closed
905 Airport Road	CU	Amend	1/24/2023	1/24/2023	NA	NA	2-12023	NA			3/21/2023	3/24/2023	Waiting For Decision from BOS
301 Reservoir Road	SD	Sk	11/17/2022	11/17/2022	11/17/2022	NA	NA	NA	NA	NA	NA	NA	
		_						3/14/2023					
14 Reservoir Raod	SD	Р	9/28/2022	9/28/2022	`10-12-2022	10/19/2022		5-28-2023				5/28/2023	 Second hearing on 1-17-2023
1010 Hershey Mill Road, Miller	CU	s	8/30/2022	8/30/2022	8/2/2022	NA	10/12/2022				11/15/2022	1/17/2023	CU Application was Granted with Conditions on 3-7-2023 (CU Application Closed)
Applebrook Golf Club	LD	Р	7/27/2022	7/27/2022	8/17/2022	8/29/2022		2/28/2023 4-30-2023					4-25-2023 Preliminary/Final Land Development Presentation.
Malvern Institute	LD	P	6/28/2021	7/1/2021	6/30/2021	6/29/2021	8/13/2021	(5) 7-31-2022	2/2/2022	2/15/2022	NA		PC made rec to BOS for Prelim App on June 1 2022 ZHB Decission was 3 years for building permits for Vertical Building 11,25,2023 ZHB Decission was 4 years for building permits for Barn Renovations Building 11,25,2024
										E)			
	-												
KEN												-	
KEY										V			
A - Approved													
AD - Adopted	- 1			4			100			i i		1	
D - Denied													
P - Pending										ć.			I .

1	DRA	
2	EAST GOSHEN	
3	PLANNING COMM	
4	March 2	8, 2023
5		
6	The East Goshen Township Planning Commission hel	d their regular monthly meeting on Tuesday,
7	March 28, 2023 in the Township Building.	
8 9	Members present are highlighted: Chair – Ernest Harkness	
10		
11	Vice Chair – John Stipe Dan Daley	
12	Edward Decker	
13	Michael Koza	
14	Mark Levy	
15	Michael Pagnanelli	
16	Michael Laghanem	
17	Also present was:	
18	Duane Brady, Zoning Officer	
19	Derek Davis, Township Manager	
20	Nathan Cline, Township Engineer	
21	David Shuey, Township Supervisor	
22	Michael Lynch, Township Supervisor	
23		
24	COMMON ACRONYMS:	
25	BOS – Board of Supervisors	CPTF – Comprehensive Plan Task Force
26	BC – Brandywine Conservancy	CVS - Community Visioning Session
27	CB – Conservancy Board	SWM – Storm Water Management
28	CCPC – Chester Co Planning Commission	ZHB – Zoning Hearing Board
29		
30	FORMAL MEETING – 7 p.m.	TT 1 1 1 TN 1 CAN 1 1 1 1 1 C
31		pm. He led the Pledge of Allegiance and asked for a
32 33	moment of silence to remember our first r 2. Ernest asked if anyone would be recording	
33 34	comments about non-agenda items. There	• • • • • • • • • • • • • • • • • • • •
35	3. The tracking log was checked and no need	
36	4. The minutes of the February 28, 2023 med	
37	4. The limites of the February 26, 2025 me	sting were approved.
38	CHAIRMAN'S REPORT	
39	None	
40		
41		
42	SUBDIVISION AND LAND DEVELOPMENT AP	
43	1. 301 Reservoir Road, Residential Subdivision (Pres	entation) - No action needed this month.
44		
45	2. 14 Reservoir Road, Residential Subdivision – No a	ction needed this month.
46		
47	CONDITIONAL HOPE AND WARRANGES	
48 40	CONDITIONAL USES AND VARIANCES I. Miller Property Residential Subdivision for 1010 b	Jarchay Mill Road (IJC was awarted CVI and
49 50	1. Miller Property Residential Subdivision for 1010 F closed.)	icisiicy iviiii Road – (OC was granted. CU review
51	2. 905 Airport Road – No action. Waiting for UC	Decision
52	2. 703 Auport Road - Ivo action, waiting for UC	LACCIOIUII.
32		

PC 3-28-23 draft

ZONING HEARING BOARD VARIANCES 1. 1722 Towne Drive - No action. ZHB Variance Granted. ZHB Variance closed. 2. 901 Sorrell Hill Drive - New application, ZHB Variance for an Inground Pool, Property owner Frank Petruzielo and contractor, Michael Ciaccio were present. They need a variance of the 25 foot setback from the property line. Mr. Petruzielo got a copy of the original plans for this house which showed a pool. Mr. Ciaccio described the pool with decking around it. A permanent stormwater system will be installed. Access is through the open space for construction. Duane explained there is no setback with this development. They are asking that the setback from the pool water edge to any property line be changed to 7.36 feet. The pool will be 16 ft by 38 ft which equals 608 sq.ft. for the pool with 865 sq.ft. for the decking. They received a letter from the HOA giving approval for the project. John moved that we recommend to the Board of Supervisors in favor of the dimensional variance for Frank Petruzielo for an inground pool with a 7.36 ft. setback from the property line. Mike seconded the motion. The motion passed unanimously. ORDINANCE AMENDMENTS 1. Applebrook Golf Club turf Maintenance Area - Was approved. Waiting for a copy. **OLD BUSINESS** 1. The Malvern Institute - No action required. 2. Applebrook Golf Club Turf Maintenance Area – No Action Required. **NEW BUSINESS - None** LIAISON REPORTS - None **ANY OTHER MATTER -- None CORRESPONDENCE** - None **ADJOURNMENT** There being no further business, John made a motion to adjourn the meeting. Mark seconded the motion. The meeting was adjourned at 7:35 pm. The next regular meeting will be held on Tuesday, April 25, 2023 at 7:00 pm. Respectfully submitted,

PC 3-28-23 draft 2

Ruth Kiefer, Recording Secretary

BOARD OF SUPERVISORS EAST GOSHEN TOWNSHIP CHESTER COUNTY 1580 PAOLI PIKE, WEST CHESTER, PA 19380 (610) 692-7171

codes@eastgoshen.org

Date: 4-20-2023

To: Planning Commission

From: Duane J. Brady Sr., Township Zoning Officer **Re:** Applebrook Golf Club Turf Maintenance Area

Preliminary/Final Land Development

Pennoni 3rd Submission Letter – Zoning Officer Comments

Dear Planning Commission,

In his third submission letter Township Engineer Nathan M. Cline requested the Township Zoning Officer Duane J. Brady Sr. and Township Solicitor Mark Thompson to review the following comments:

- 1. Zoning number 1. Resolved, the buildings are considered accessory uses to the golf course.
- 2. Zoning number 2. Resolved, the building setbacks do not apply as the buildings are accessory sues to the golf course.
- 3. Zoning number 3. Resolved, the building setbacks do not apply as the buildings are accessory sues to the golf course.
- 4. Zoning number 6. Resolved, the buffer yard requirement does not apply as the buildings are accessory sues to the golf course.
- 5. Zoning number 10. Resolved, reviewed, and approved by the Township Solicitor.
- 6. Subdivision number 13. Resolved, an additional signature block is not required by the Township Solicitor.
- 7. Subdivision number 17. Resolved, reviewed by Township Solicitor and is covered by other documents.

Respectfully,

Duane J. Brady Sr. East Goshen Township

Director of Codes and Zoning

Fast Goshen Township

hester County, Pennsylvania

Deputy Fire Marshal

EAST GOSHEN **CONSERVANCY**

March 2, 2023

To: Planning Commission From: Sandy Snyder, Conservancy Board Chair Re: Approval of Applebrook Turf Maintenance Plan

The Conservancy Board met on February 8, 2023. Bret McKay from Chester Valley Engineers attending the meeting and reviewed the Applebrook Turf Maintenance plan. The Conservancy Board approved the landscape development plan associated with the redevelopment by unanimous vote.

Conservancy Board C



Conserving Natural Resources for Our Future

March 27, 2023

VIA ELECTRONIC TRANSMISSION

Applebrook Golf Club

Attn: Jared Viarengo (jviarengo@applebrookgolfclub.com)

100 Line Road Malvern, PA 19355

Re: Completeness Notification Letter

NPDES Permit Application No.: PAD150299

Project Name: Applebrook Golf Club - Turf Maintenance Area

Municipality: East Goshen Township, Chester County

Dear Mr. Viarengo:

The Chester County Conservation District has reviewed the above-referenced application for completeness and has determined that the application is complete. The District will now proceed with the technical review of the application. During the technical review, the adequacy of the application and its components will be evaluated to determine if sufficient information exists to render a decision on the technical merits of your application.

If you have questions about your application, please contact Shannon Healey, Urban Team Leader, by email at shealey@chesco.org or by telephone at 610-455-1377.

Sincerely,

Christian E. Strohmaier, Director

Christian E. Stedmorer

cc: SERO DEP

Neal Camens (<u>ncamens@chesterv.com</u>)
Brett MacKay (<u>bmackay@chesterv.com</u>)

East Goshen Township





February 6, 2023

Mr. Brian L. Nagle MacElree Harvey, Ltd 17 West Miner Street West Chester, PA 19382

Dear Mr. Nagle,

Please let this correspondence confirm receipt of the proposed Applebrook Golf Club Turf Maintenance Area Easement Plan dated November 7, 2022, detailing a revised easement area with last revision date of January 12, 2023 (hereinafter "Plan").

After review of the Plan with the County Solicitor, it has been determined that the proposed easement exchange detailed in the Plan does not infringe on the boundaries of the covenants set forth in the Chester County Park Land and Open Space Acquisition Grant dated October 7, 2003, nor does it constitute an additional and/or future restriction upon the land (hereinafter "Conservation Declaration").

Review of other relevant material provided by you indicates approval of this Plan by East Goshen Township as well as the corresponding proposed land development plan will result in additional environmental benefits to the County.

In consideration of the foregoing, Chester County has no objection to the Plan with the understanding that details regarding the Plan which relate to the easement area will be incorporated into any corresponding land development plan and recorded accordingly as they relate to the Conservation Declaration.

Thank you for your attention and please keep me updated regarding further developments in this matter.

Sincerely,

David T. Stauffer, RLA, ASLA

Director, Chester County Parks + Preservation

CC: Colleen Frens, Chester County Solicitor



EAST GOSHEN TOWNSHIP CHESTER COUNTY, PENNSYLVANIA

Ordinance No. 129-A-2023

AN ORDINANCE OF THE TOWNSHIP OF EAST GOSHEN, CHESTER COUNTY, PENNSYLVANIA, AMENDING THE ZONING ORDINANCE, CHAPTER 240, TO REVISE THE REQUIREMENTS FOR ACCESSORY BUILDINGS IN A PLANNED GOLF COURSE DEVELOPMENT.

BE IT ENACTED AND ORDAINED by the Board of Supervisors of East Goshen Township that the East Goshen Township Code of Ordinances, as amended, is hereby further amended as follows:

SECTION 1. Section 240-30.1.C(1)(g) of the Code of Ordinances, titled "Planned Golf Course Development", is hereby amended to read as follows:

- (g) Accessory buildings. Maintenance buildings for storage and maintenance of equipment directly related to the golf course use may be located off site on property contiguous to the golf course, provided that there is direct access to and from the accessory buildings to the golf course over a private street or driveway serving the golf course and a subdivision plan of the off-site property is approved by the Board of Supervisors. In such case:
- [1] Accessory buildings may be located on a "footprint lot" which, for purposes of this provision, is defined to mean the perimeter of the existing or proposed building coincident with the building's foundation and outer walls; provided, where a part of an existing building that is located on a footprint lot is proposed to be demolished and reconstructed, in whole or in part, and expanded beyond the boundary of the footprint lot, the area of any such existing building expansion may be located within any contiguous permanent easement area that has been deeded in perpetuity to the owner of the footprint lot and constitutes a permanent part of the golf course maintenance facility. In either case, the provision of Subsection C(1)(g)[2] shall apply.
- [2] Footprint lots. When the maintenance building is proposed to be located on a footprint lot, or within any portion of a contiguous permanent easement area deeded in perpetuity to the owner of the footprint lot, the subdivision or land development plan depicting the building or buildings, as reconstructed or expanded, shall demonstrate that there is sufficient area on the parent lot from which the footprint lot is being subdivided, or has previously been subdivided, without violation of any setback encroachments from the boundaries of the parent lot, to contain the required parking, shared access to the footprint lot and permanent easement, storm water management, if any, and utilities within a shared easement area of not less than 24,000 square feet per building; the footprint lot and the expanded building shall comply with the front, rear and side yard requirements for the

parent lot set forth in § 240-20F(3), except the building(s) shall be limited to one story and shall not exceed 20 feet in height; the owner of the parent lot shall retain the right to use the parent lot for all purposes not inconsistent with the shared easement; unless already in effect, the subdivision and/or land development application shall be accompanied by a declaration of covenants, easements and restrictions which provides for and defines the shared access, parking and utility usage in common with the owner of the parent lot and the rights and obligations of the parties with respect thereto, in form and content acceptable to the Township Solicitor, which shall be recorded with the approved final land development or subdivision plan.

SECTION 2. If any sentence, clause, section or part of this Ordinance is for any reason found to be unconstitutional, illegal or invalid, such unconstitutionality, illegality or invalidity shall not affect or impair any of the remaining provisions, sentences, clauses, sections or parts hereof. It is hereby declared as the intent of the Board of Supervisors that this Ordinance would have been adopted had such unconstitutional, illegal or invalid sentence, clause, section or part thereof not been included therein.

<u>SECTION 3.</u> General Code is hereby authorized to make any necessary formatting and numbering changes needed in order for this Ordinance to be made consistent with the formatting and numbering standards applicable to the East Goshen Township Code of Ordinances as published by General Code.

SECTION 4. All Ordinances or parts of Ordinances conflicting with any provision of this Ordinance are hereby repealed insofar as the same affects this Ordinance.

SECTION 5. This Ordinance shall become effective five days after enactment.

ENACTED and **ORDAINED** this 7th day of March, 2023.

BOARD OF SUPERVISORS EAST GOSHEN TOWNSHIP

ohn Hertzog, Chair

Michael Lynch, Vice Chair

Cody Bright, Member

David E. Shuey, Member

Michele Truitt, Member

ATTEST:

Derek J. Davis, Secretary





TURF CARE CENTER

VIEW FROM YARD



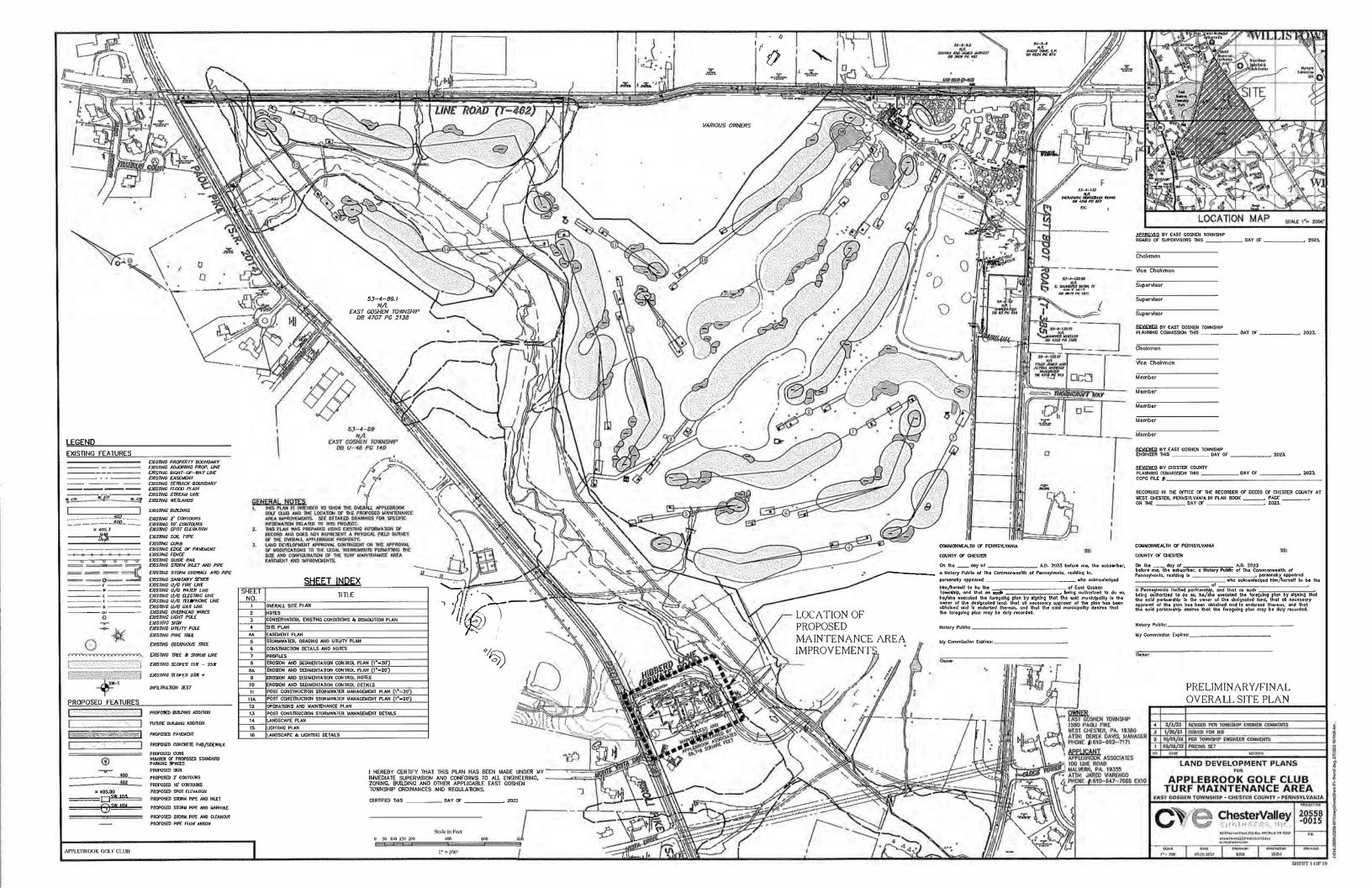


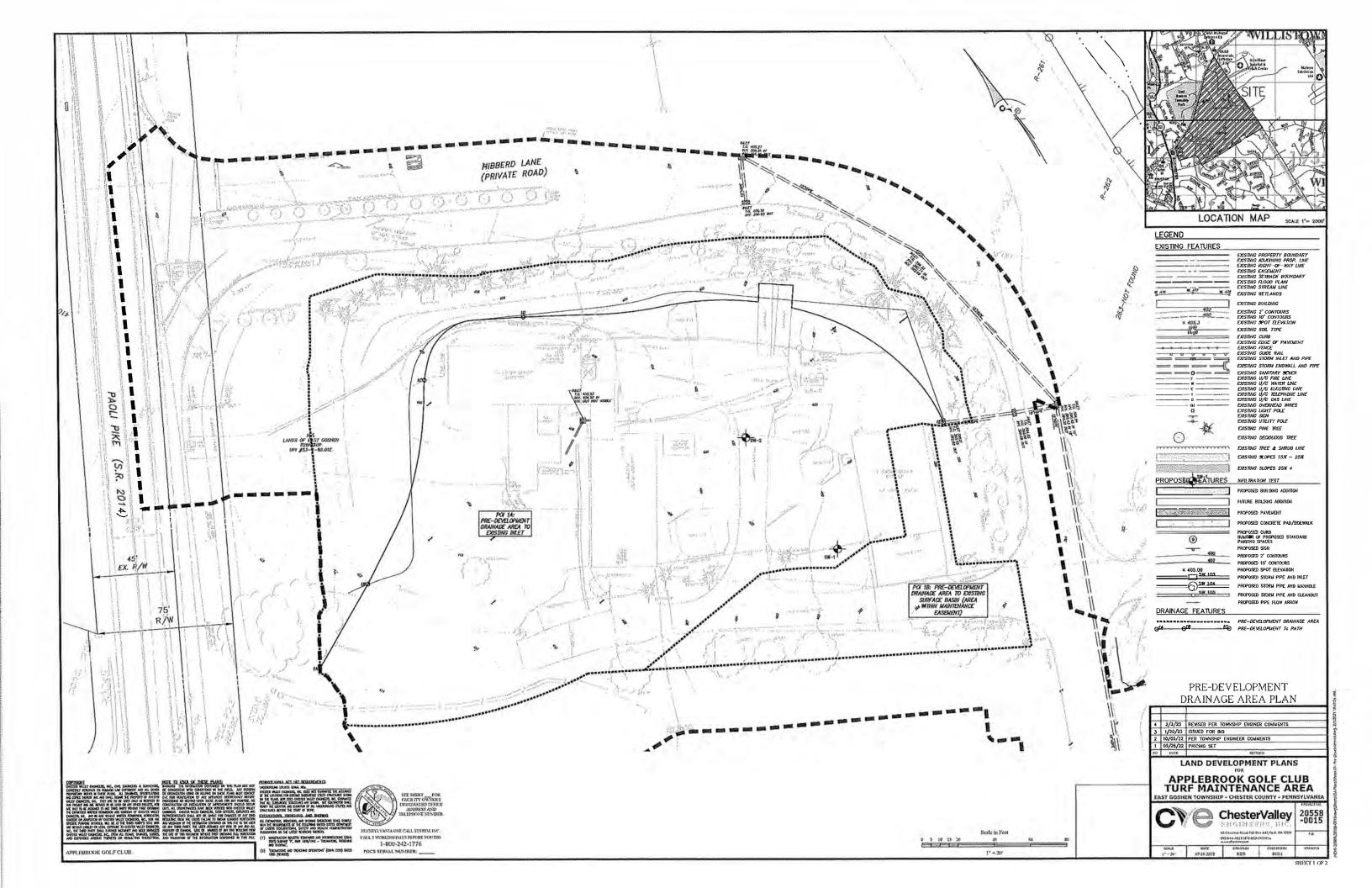


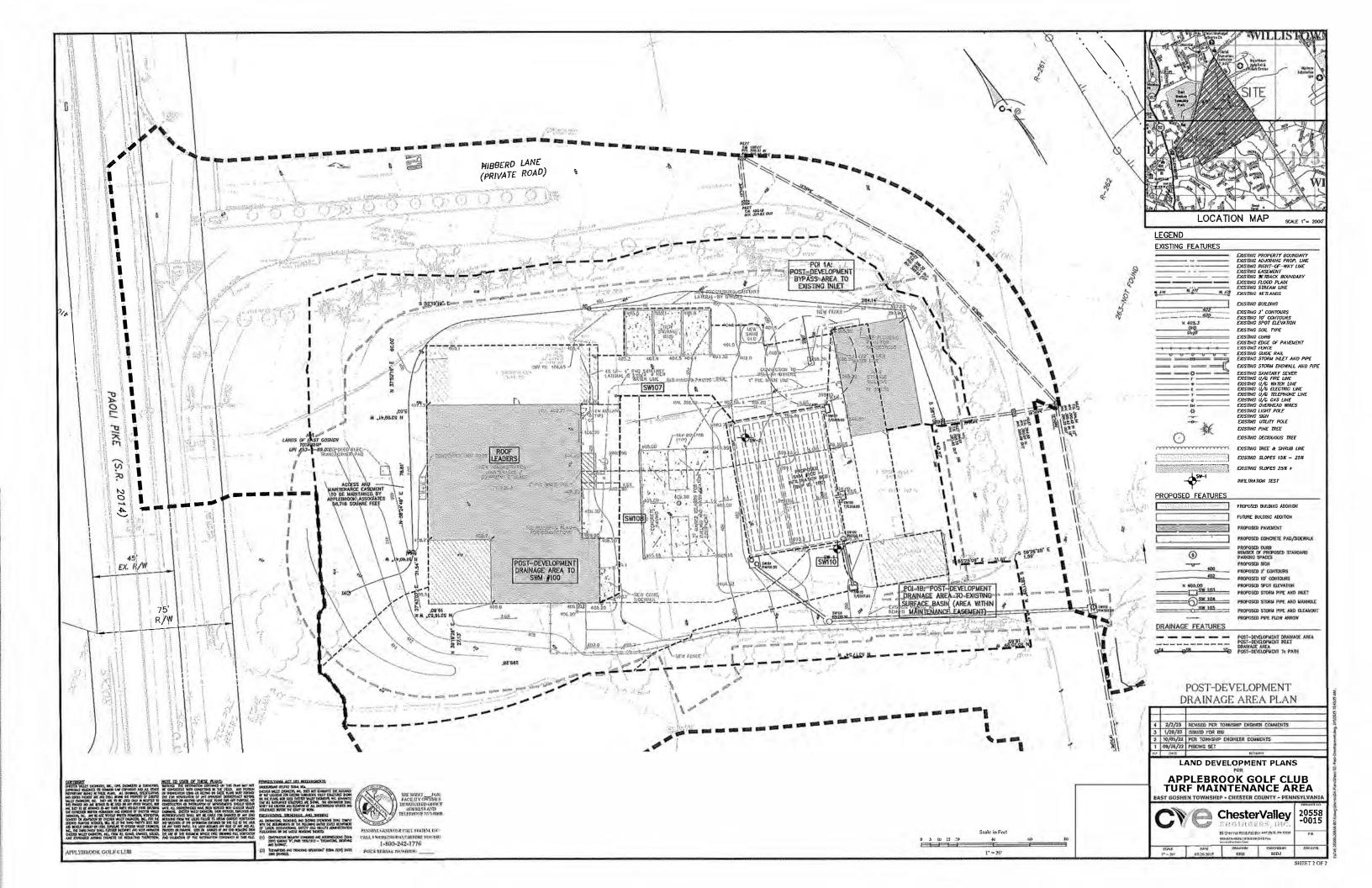
TURF CARE CENTER

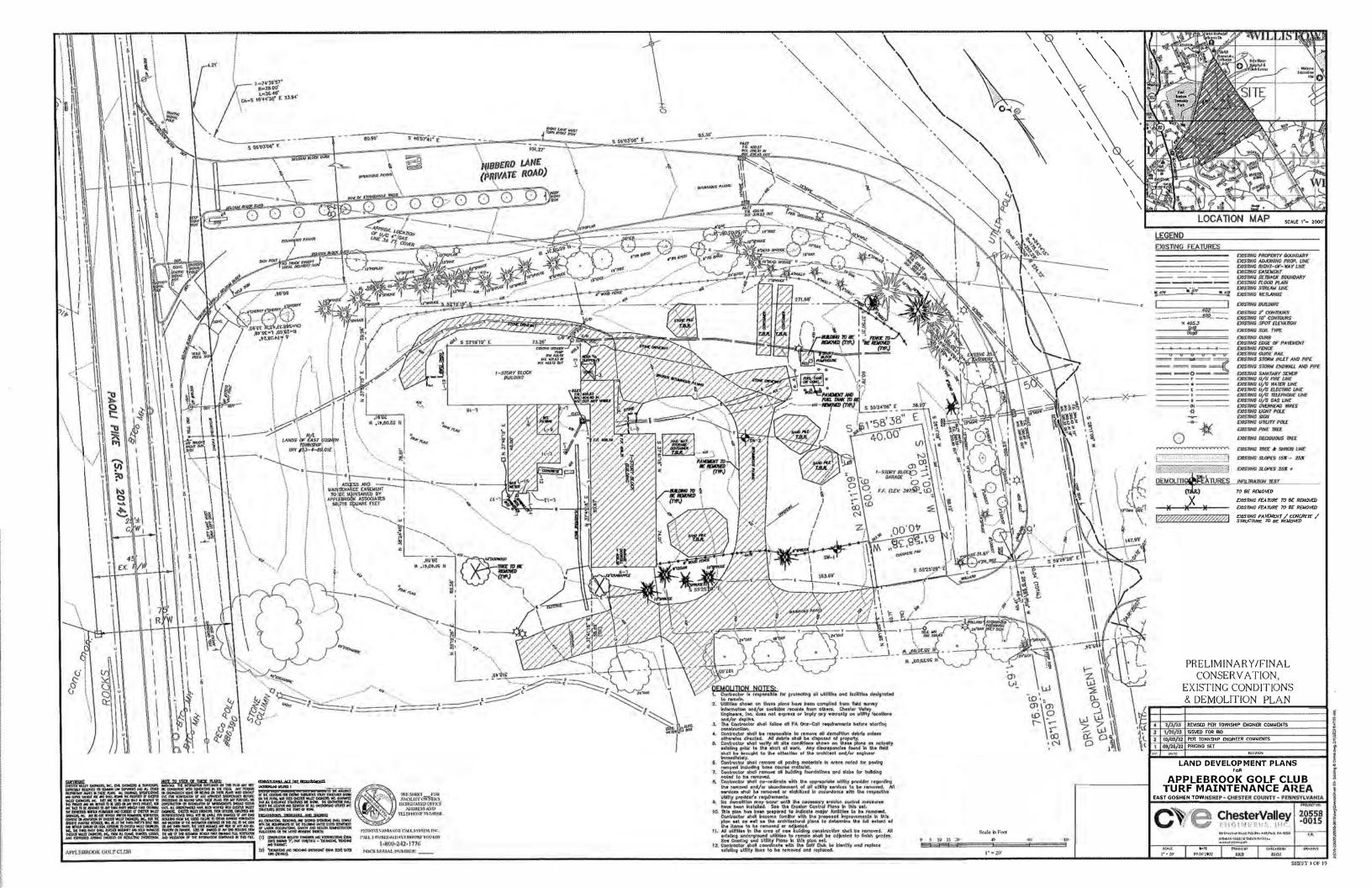
VIEW FROM PAOLI PIKE

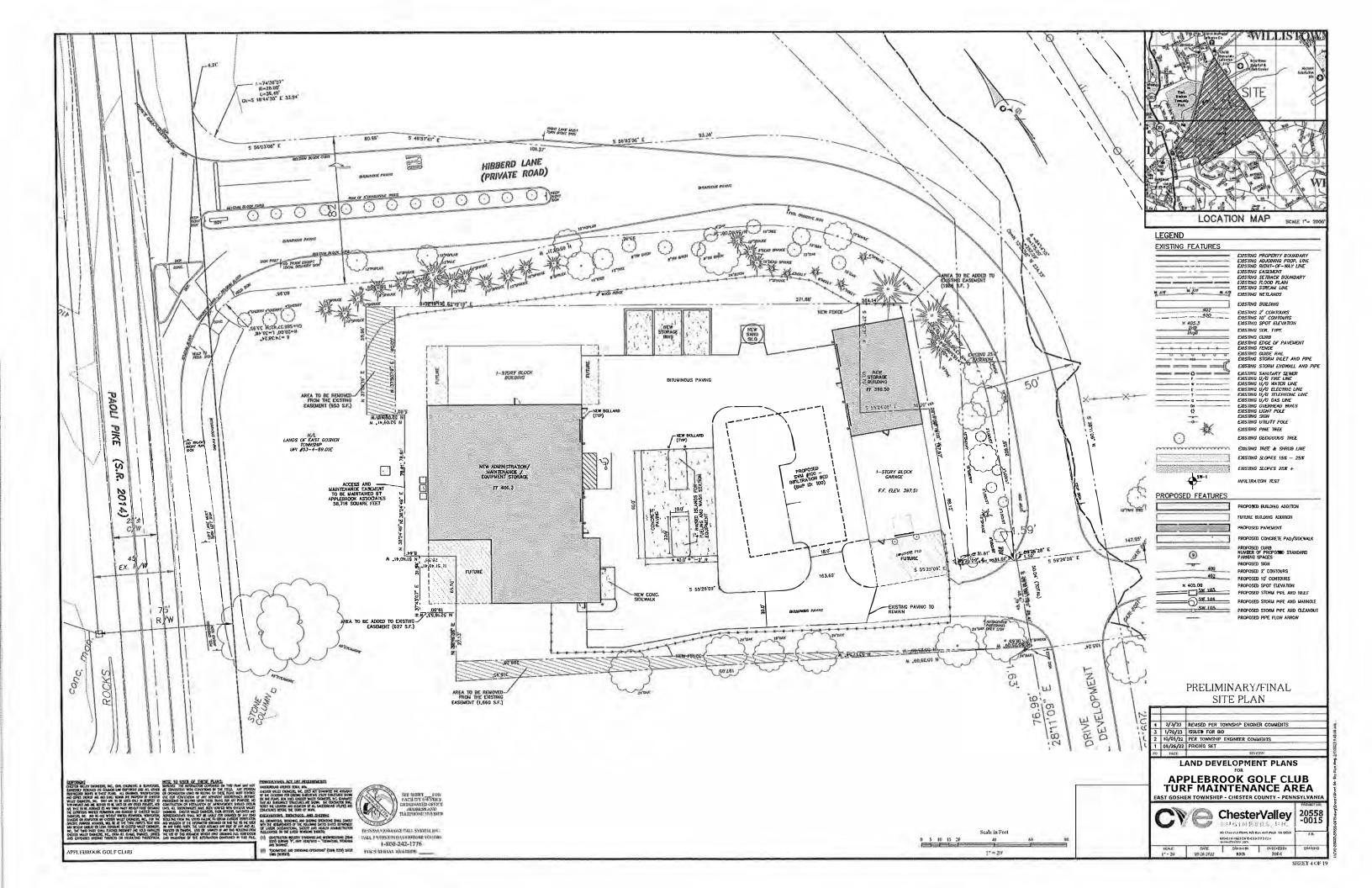


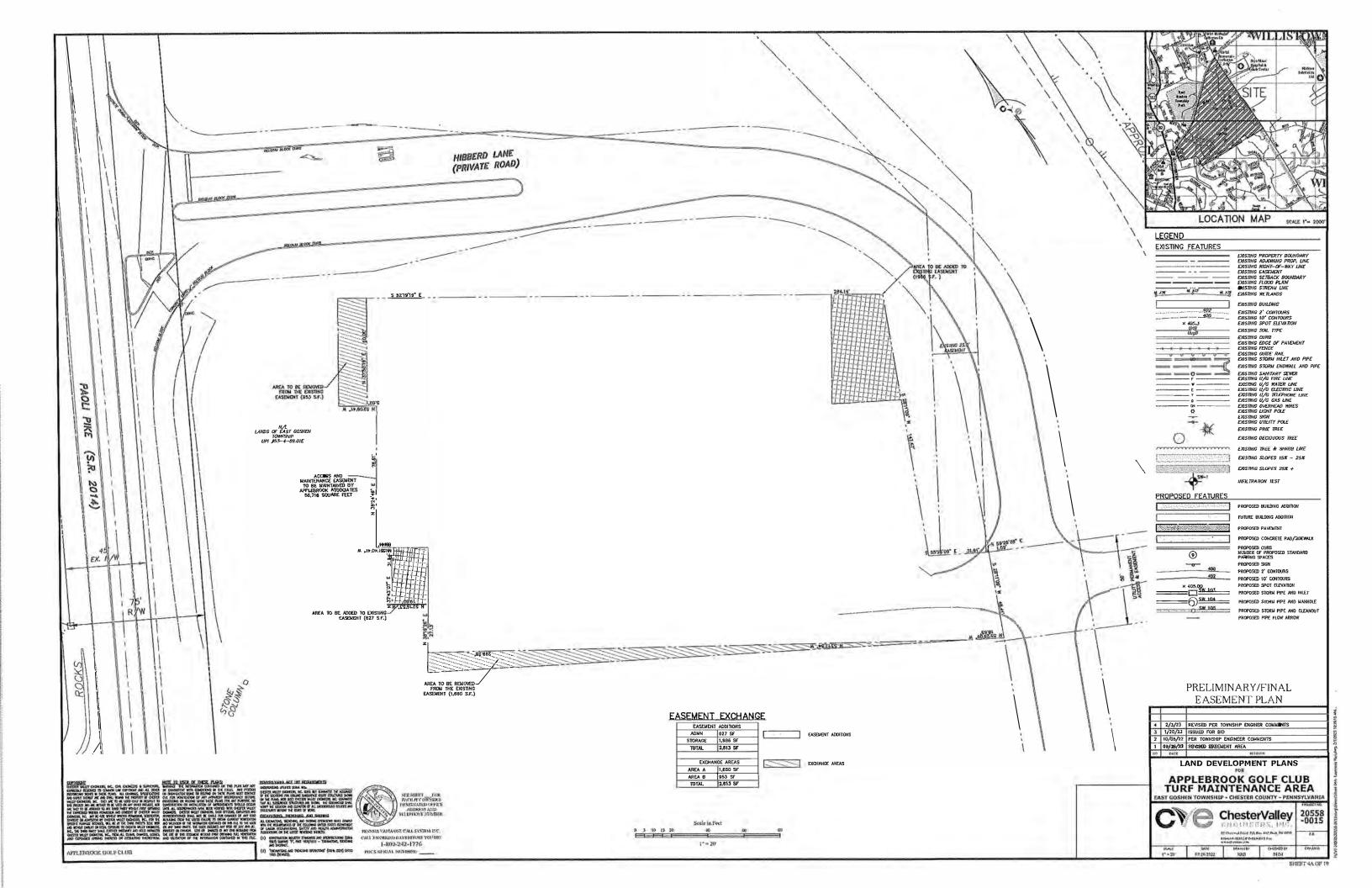


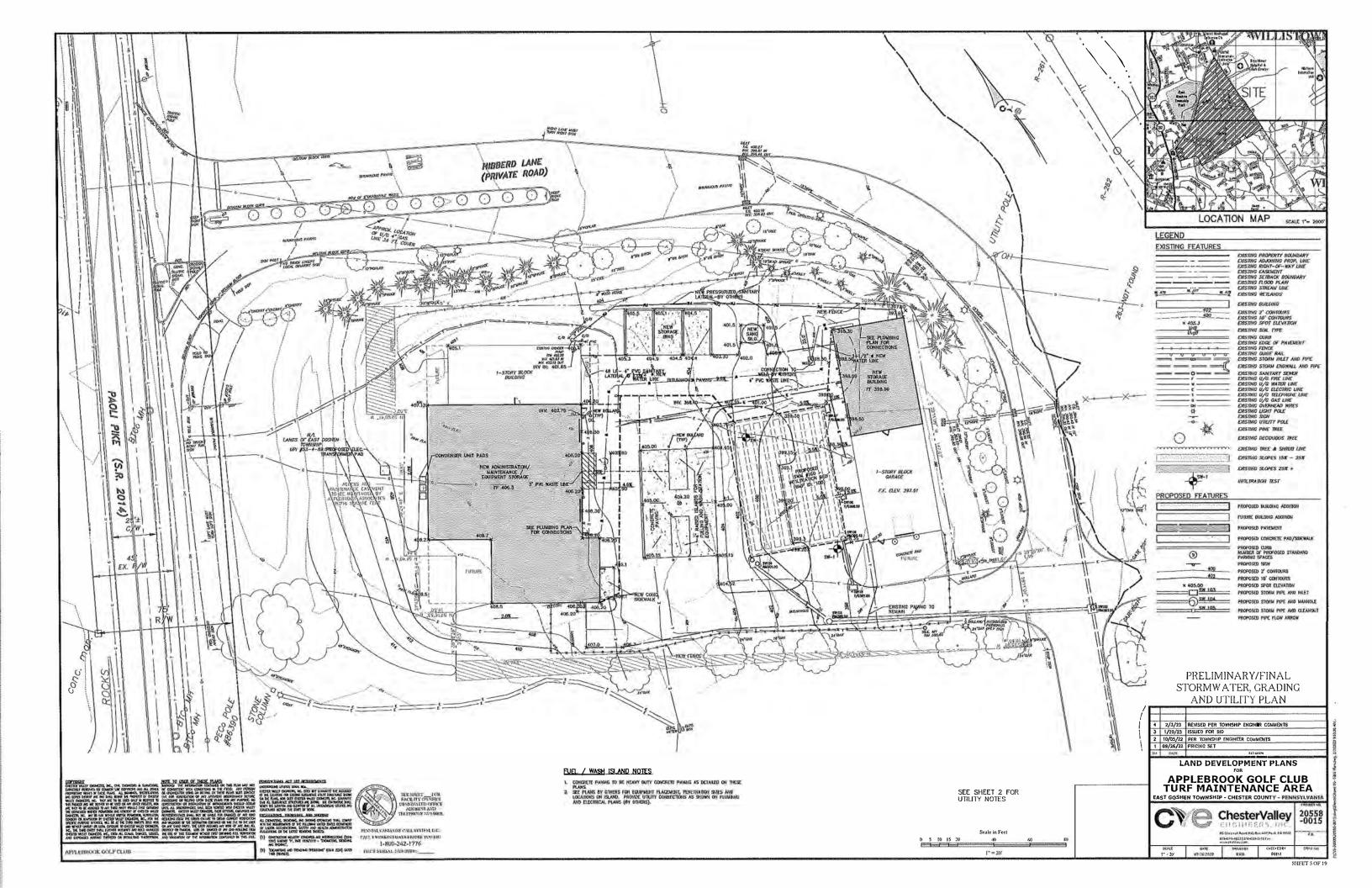


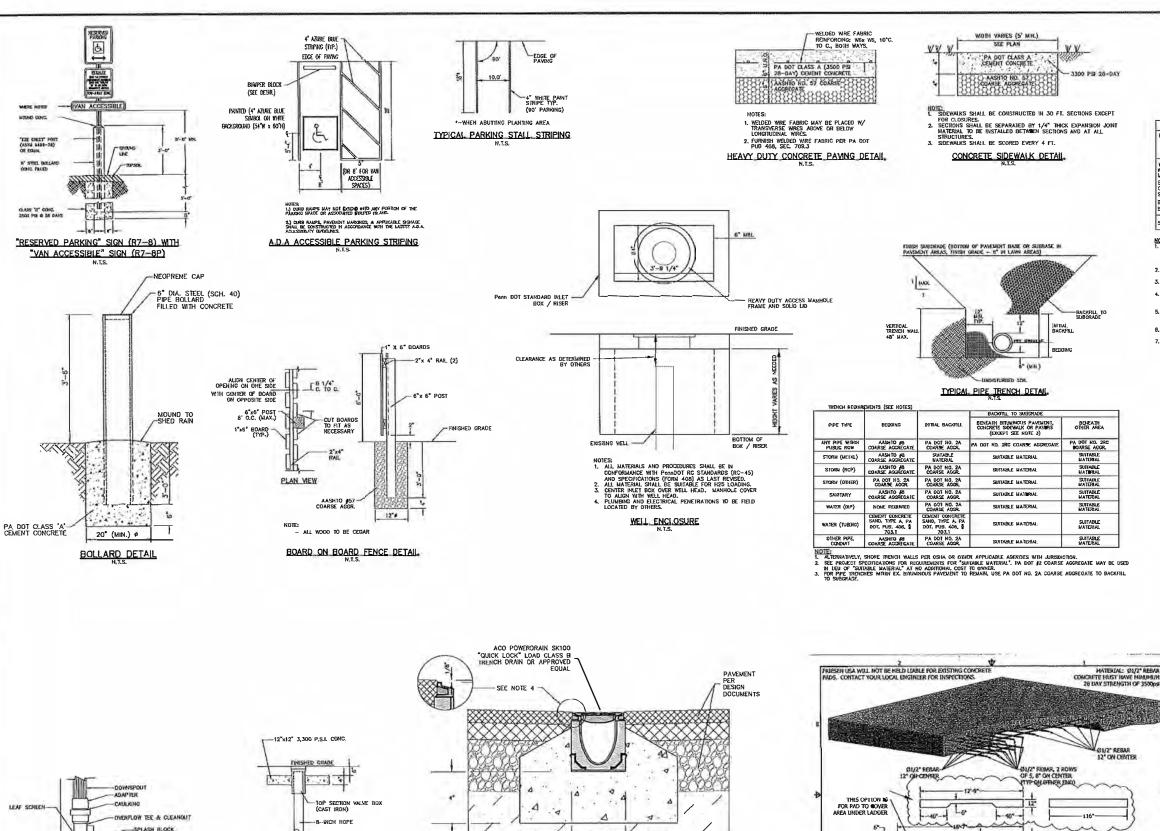












EXPANSION AND CONTRACTION CONTROL JOHN'S AND REINFORDEMENT ARE RECOMMENDED TO

TRENCH DRAIN DETAIL

EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORMEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE STRENGTH - 4,000 PSI. CONCRETE SHOULD BE WIBRATED TO ELIMINATE AIR POCKERS AND AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND.

THE RINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDG.

CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS.

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

CLEANOUT IN GRASS AREAS

CLEANOUT IN PAVED AREAS TYPICAL CLEANOUT DETAIL

FINISHED GRADE

--- 8-INCH HOPE

-12"vig" 3,300 P.S.L. CONC.

SEE PLAN FOR SIZE

DOWNSPOUT DETAIL

PPLEBROOK GOLF CLUB

BASE COURSE REBLE COMPACIED SHECKADE

BITUMINOUS PAYEMENT SECTION

LOCATION		
DIEPTH	MEDIUM DUTY: ON-SITE PARKING AREAS & ORIVEWAYS	
WEARING SUPERPAYE ASPHALT MIXTURE DESIGN, WAVA WEARING COURSE, PG 64-22, <0.3 MILLION ESALS. 9.5 MM MIX, SRL-L	1 1/2*	
BINDER: SUPERPAVE ASPHALT MIXTURE DESIGN, WHA BINDING COURSE, PG 64-22, <0.3 MILLION ESAES, 9.5 MM MIX, SRL-L	2,	
BASE: BITUMINOUS CONCRETE	NONE	
SUBBASE: Penn DOT 2A STONE BASE	10"	

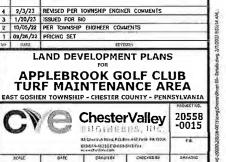
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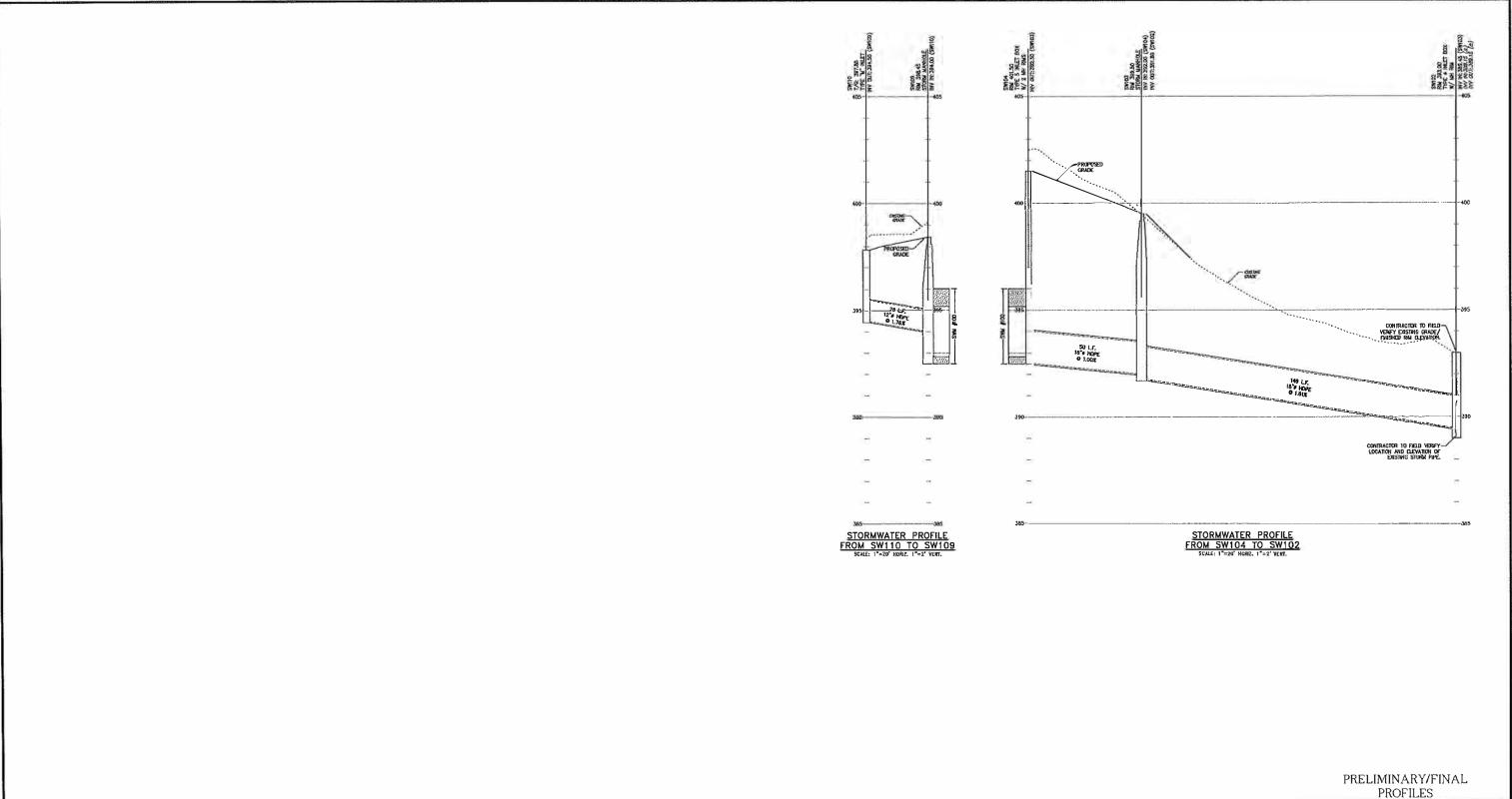
1. PALEMENT SHOULD BE INSTALLED LATE IN CONSTRUCTION WHEN MOST HEAVY CONSTRUCTION TRAFFIC WILL NO LONGER COM ON-SITE. PRIOR TO PANNE, THE SITE SHOULD BE PROFROLLED AGAIN, NEW SOFT AREAS TERATED IN ACCORDANCE WITH SOIL REMEDIATION NOTES ON SHEET 1, THE BASE LEVELED AND THICKENED AS REQUIRED, AND THE SITE PANNE AT THE END OF CONSTRUCTION.

2. FOR PAVEMENT WHERE UNCURRED, EXTEND SUBBASE AND/OR BASE COURSE EIGHT INCHES BEYOND EACH REQUIRED EDGE OF THE BRIDDER AND SHERAGE COURSE AND TO AFT HEATHAL'S MAXIMUM DRY DELSTY AS PER MODIFED PROCTOR (ASTM D-1851) PREPARED SUBRADE COUPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR (ASTM D-689) MANIMUM DRY DELSTY DESCRIBED AND TO AT LEAST 95% OF THE STANDARD PROCTOR (ASTM D-689) MANIMUM DRY DELSTY DESCRIBED AND TO AT LEAST 95% OF THE STANDARD PROCTOR (ASTM D-689) MANIMUM DRY DELSTY DESCRIBED AND TO AT LEAST 95% OF THE STANDARD PROCTOR (ASTM D-689) MANIMUM DRY DELSTY DESCRIBED AND TO AT LEAST 95% OF THE STANDARD PROCTOR (ASTM D-689) MANIMUM DRY DELSTY DESCRIBED AND TO AT LEAST 95% OF THE STANDARD PROCTOR (ASTM D-689) MANIMUM DRY DELSTY DESCRIBED AND THE ASTM DAVIDS OR DELSTY IN THE UPPER 2* BELOW SUBGRADE AND TO AT LEAST 95% OF THE STANDARD PROCTOR (ASTM D-689) MANIMUM DRY DELSTY DESCRIBED AND THE ASTM DAVIDS OR DELSTY IN THE UPPER 2* BELOW SUBGRADE AND TO AT LEAST 95% OF THE STANDARD PROCTOR (ASTM D-689) MANIMUM DRY DELSTY DESCRIBED AND THE ASTM DAVIDS OR DELSTY IN THE UPPER 2* BELOW SUBGRADE AND TO AT LEAST 95% OF THE MANIMUM DRY DELSTY DESCRIBED OR PROCTOR OR THE MANIMUM DRY DELSTY DESCRIBED OR THE DELSTY DELSTAND THE PROCTOR OR THE MANIMUM DRY DELSTY DESCRIBED OR THE DELSTY DAVID ASSMED AS STANDARD PROCTOR (ASTM DAVID AS STANDARD PROCTOR ASTM DAVID AS STANDARD PROCTOR (ASTM DAVID AS STANDARD PROCTOR ASTM DAVID AS STANDARD PROCTOR ASTM DAVID AS STANDARD PROCTOR DAVID AS STANDARD P

PRELIMINARY/FINAL CONSTRUCTION DETAILS AND NOTES

DSTOR CONCRETE PAD SPECS



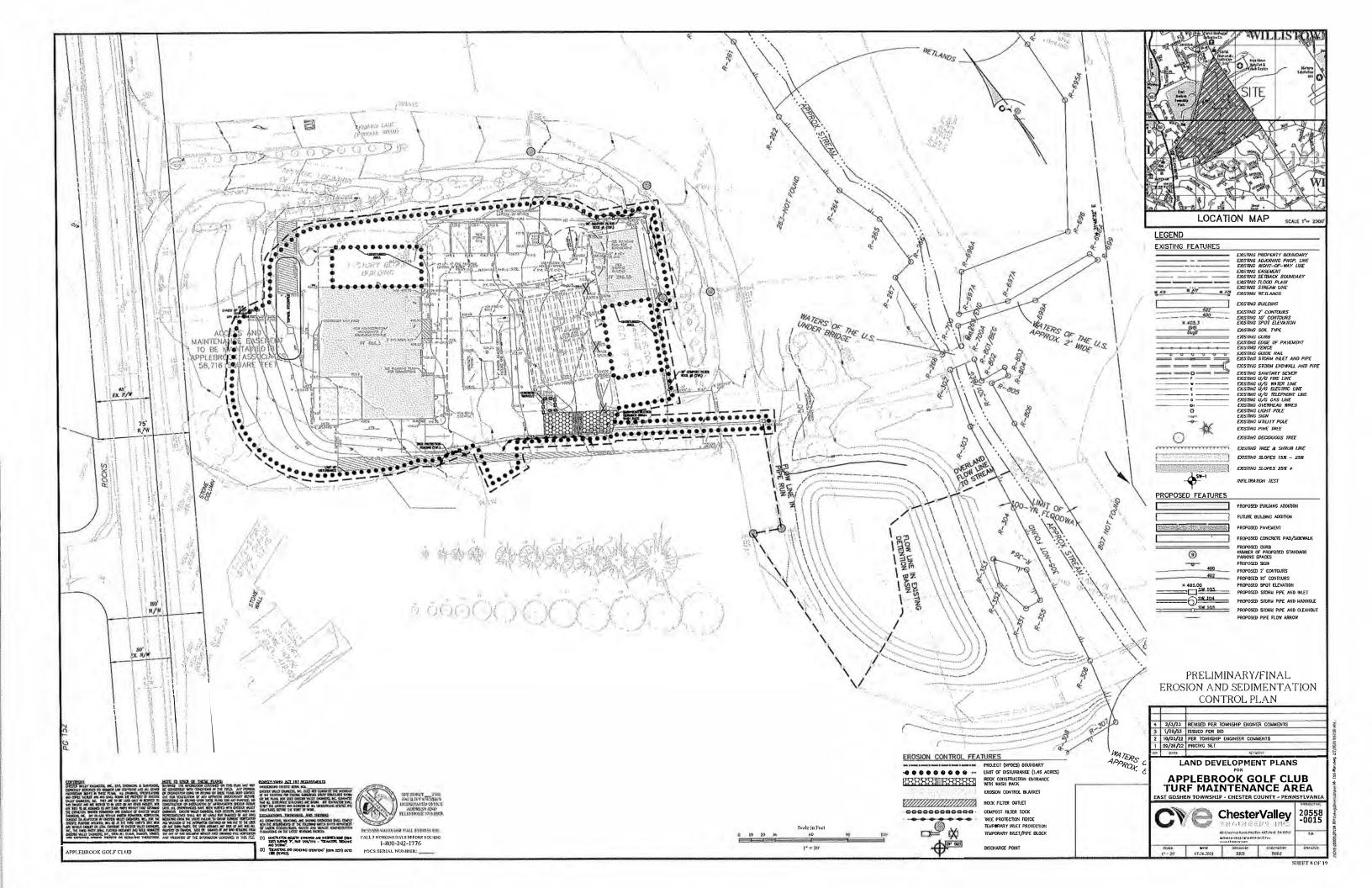


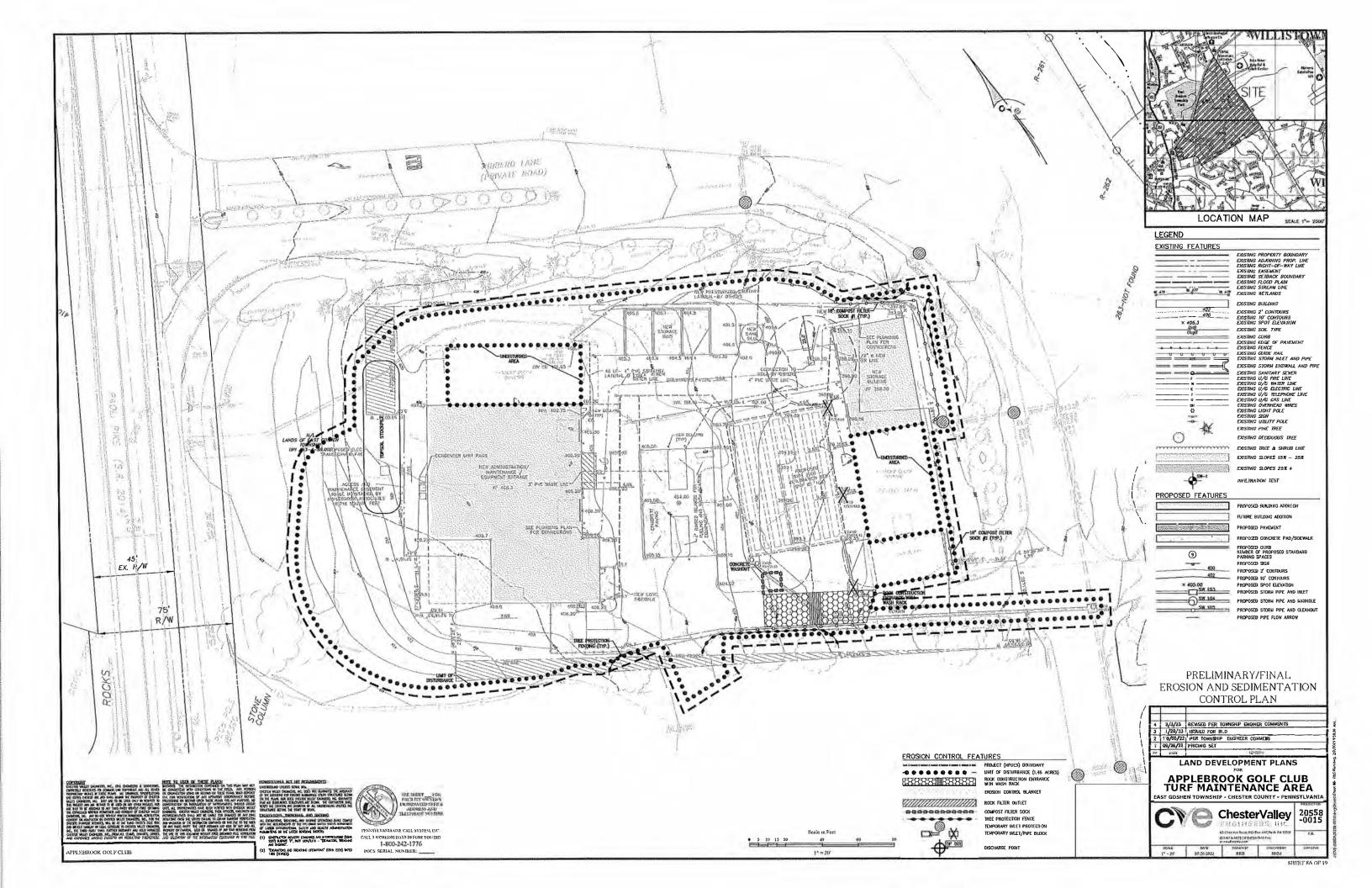
	R COMMENTS	TOWNSHIP ENGINE	REVISED PER 1	2/3/23	4
		io.	ISSUED FOR BI	1/20/23	3
	ENTS	ENGHEER COUL	PER TOWNSHIP	10/05/22	2
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SYLVANIA MAGGINA 20558	Valley	OOK GO NTENA P - CHESTER O	F MAII	TUR	EA (

Scale in Feet

5 10 15 20 40 69 20

1 = 20'





CONTRACTOR YALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION, STABILIZATION, AND MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROLS AND RELATED ITEMS INCLUDED WITHIN THESE FLAMS.

ALL EARTH DISTURBANCES, INCLIDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS, SHALL BE DONE IN ACCORDANCE WITH APPROVED EAS PLANS, A COPY OF THE APPROVED EROSION AND SCHIERTI CONTROL PLAN (STAMPED, SIGNED, AND DATED BY THE REVERMING ACENCY) MUST BE AVAILABLE AT THE PROJECT STIE AT ALL TIMES. THE REVERMING ACENCY SHALL BE MOTHED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO THE IMPLEMENTATION OF THOSE CHANGES. THE REVERMING ACENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.

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

1. THE CHESTER COUNTY CONSERVATION DISTRICT (CCCO)
688 UNIONALIE ROAD, SUITE YZDO
KENNETT SQUARE, PA 19348
PRONE: (310) 455-1350
FAX: (610) 455-1350
FAX: (610) 455-1361
2. THE RECEIVING WATER FOR THEIR PROLECT IS THE RIDLEY CREEK. THE CHAPTER 93 CLASSIFICATION FOR THE RIDLEY CREEK IS HIGH QUALITY TROUT

EIGHER, AND DIMENS OFFICIALS.

BIGHER, AND DIMENS OFFICIALS.

4. NOTEY THE TOMASHE PHONEER AT LEAST 48 HOURS PRIOR TO ANY EARTH DISTURBANCE ACTIVITIES.

5. CONSTRUCTION OPERATIONS SHALL BE CARRED CUT IN A MANNER SUCH THAT ALL EROSION AND AIR/WATER POLLUTION IS MINIMIZED. STATE AND LOCAL DAYS CONCERNING ASATEMENT SHALL BE CARRED CUT IN A MANNER SUCH THAT ALL EROSION AND AIR/WATER POLLUTION IS MINIMIZED. STATE AND LOCAL DAYS CONCERNING ASATEMENT SHALL BE POLLUTION, AND SIRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER CRUECTIONABLE MATERIAL.

6. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND SIRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER CRUECTIONABLE MATERIAL.

6. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND SIRIPPED OF TOPSOIL TO RIMOVE TREES, VEGETATION, ROOTS, AND OTHER CRECITIONABLE MATERIAL.

7. HE LIMITE OF WORK SWONN ON THIS PLAN ARE THE REAL EXHIBIT REQUIRED FOR CONSTRUCTION. THE OTHER CHARLES TO THESE LIMITS IN THE LIMIT OF DISTRIBUTION SHALL BE COMPOUNDED WITHIN THESE HAITS. AT NO THAT SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS, OUTSIDE THE HAIT OF DISTRIBUTIONS BEGOND ARE SHOWN ON THE FIAM MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGOND THE HAIT OF TH

11. ALL OFF-STE WASTE AND BORROW AREAS MUST HAVE AN EAS PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PROR TO BEING ACTIVATED.

2. THE CONTRACTOR IS RESPONSBUE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL, FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT COLARSTYNG AS CLEAN FILL DUE TO ANALYTICAL TESTING.

3. UNIT. IT IS STE IS STABILIZED, ALL EROSION AND SEDIMENTATION BUP'S MUST BE MAINTAINED PROPERTY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION BUP'S AFTER EACH RUNDEY EVENT AND ON A WEEKLY BASS.

4. ALL SILE INSPECTIONS WILL BE DOCUMENTED IN AN INSPECTION LOS (KEPT FOR THIS PURPOSE. THE COMPILANCE ACTIONS AND THE DATE, TIME AND NAME OF THE PERSON CONDUCTING THE INSPECTION. THE INSPECTION LOS WILL BE KEPT ON SITE AT ALL TIMES AND MADE AVAILABLE TO THE DISTRICT LIDON DEPORTED.

NAME OF THE PERSON CONDUCTING THE INSPECTION. THE INSPECTION LOS WILL BE KEPT ON SITE AT ALL THES AND MOVE AVAILABLE TO THE DISTRICT.

15. ALL PREVENTING AND REMEDIAL MAINTENANCE WORK, RICLUDING CLEAN OUT, REPAIR, REPLACEMENT, RECRODING, RESECTING, REMULCHING AND REPLETTING.

15. ALL PREVENTING AND REMEDIAL. IT EROSION AND SEDIMENTATION BURPS FALL TO PERFORM AS EXCEPTION, REPLACEMENT BURPS OR MODIFICATIONS OF THOSE INSTALLED WILL BE NEEDED.

16. SEDIMENT INACKED ONLY OR PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY OR AS NEEDED THROUGHOUT THE WORKDAY, OR AS DIRECTED BY THE CONSERVATION DISTRICT OR MUNICIPALITY AND DISPOSED IN THE MAINTEN DESCRIBED IN THE PLAN DRAWNOS.

17. ALL SCOMENT REMOVED FROM BURPS SHALL BE DISPOSED OF IN THE MAINTEN DESCRIBED ON THE PLAN DRAWNOS.

18. AREAS WHICH ARE TO BE TOP—SOLED SHALL BE SCARPED TO A MINIMUM DEPTH OF 3 TO 5 NOTICES ON COMPACTED SOLS) PRIOR TO THE PLACEMENT OF TOPSOL. AREAS TO SE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOL IN PLACE PRIOR TO SEDIMO AND MULCINING, LET.

RIGHT-OF-WAY, ANY MATERIAL DEPOSITED SHALL BE IMMEDIATELY REMOVED.
51. IF ANY SIGNIFICANT CHANGES ARE 10 BE MADE TO THE EROSION AND SEDIMENTATION CONTROL PLAN, THE BUSIOER OR LANDOWNER WILL CONTACT THE

THIS THE PRINCE AND TAKENS ARE TO BE LADGE OF THE APPROVED FROM UNAUTHORIZED ACTS OF THE PLANT THE BUILDER OR LANDOWNER WILL CONTACT THE CHIEFE CHANGES.

SENDING THE COUNTY CONSERVATION DISTRICT AT (610) 892—948 FOR THE ADEQUACY OF THESE CHANGES.

SENDING THIS THE REMOVED FROM STORMANER IN LEST SOND DRAWING TO A SUDMENT TRAP WHITH INELT PROTECTION AFTER EACH ROMOFF EVENT.

SEALCH SEDIMENT TRAP/BASIN MIST BE STABILIZED AND FUNCTIONING PROPERTY PRICK TO MAY FURTHER EARTH DISTURBANCE ACTIVITY. UPON INSTITUTION OF THE THEOPORARY SEDIMENT TRAP/BASIN MIST BE STABILIZED AND FUNCTIONING PROPERTY PRICK TO MAY FURTHER EARTH DISTURBANCE ACTIVITY. UPON INSTITUTION OF THE THEOPORARY SEDIMENT TRAP/BASIN SUSTED AND INSECTION OF THE PROPERTY OF THE CONQUETED BY A QUALIFIED STEE REPRESENTATIVE AND THE CHESTER COUNTY CONSERVATION DISTRICT SHALL BE NOTHED IN WRITING THAT THE PROPER RISER IS WISCALED AND SEALED, PER PLAN. SEDIMENT TRAPS/BASINS HUSTS EEP PROVED FROM UNAUTHORIZED ACTS OF THEN PARTIES.

5. LIPON REQUEST, THE PERHIT HOLDER AND/OR HIS CONTRACTOR SHALL PROVED AN AS-BULLT FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPCTION, LOCAL CONSERVATION DISTRICT, OR OF THE PARTIES WHICH MAY AFFECT THE PROPERTY OF THE PARTIES WHICH MAY AFFECT THE PROPERTY BASIN OR THE PLANT SHALL ASSESS THE ATTEMPORATE PROVIDE FROM AND SEDIMENT CONTROL PLANT OR REVISIONS FROM THE COUNTY CONSERVATION INSECTION. SO OPHER TO SHALL DISTRICT SHALL ASSESS THAT THE APPROVED FROM AND SEDIMENT CONTROL THE REVISIONS FROM THE COUNTY CONSERVATION INSECTION. SO OPHER TOR SHALL MELICIAL TAPPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSON AND/OR SEDMENT POLIUTION, AND CONCRETE TRUCKS SHALL UTILIZE THE CONCRETE WASHOLD THE ALMINOUS THE COUNTY OF THE AND ON THE PROPERTY AND CONFIDENT POLIUTION, THE OPERA THAT THE APPROVED FROM THE POLIUTION. THE COUNTY OF SEDMENT POLIUTION.

5. ALL CONCRETE TRUCKS SHALL UTILIZE THE CONCRETE WASHOUND ARE DUE TO LAMINATE POLIUTION.

5. ALL CONCRETE TRUCKS SHALL UTILIZE THE CONCRETE WASHOUND ARE D

OPERATOR SHALL MITLEMENT APPLATEMENT EACH MERITAGE. SO CHARMED THE STREET OF PIPE TRUCKS SHALL LITIZE THE CONCRETE WASHOUT AREA PRIOR TO LEAVING THE SITE.

ALL CONCRETE TRUCKS SHALL LITIZE THE CONCRETE WASHOUT AREA PRIOR TO LEAVING THE SITE.

ALL LITIZE TRUCKS SHALL LITIZE THE CONCRETE WASHOUT AREA PRIOR TO LEAVING THE SITE.

ALL LITIZE THE PRIOR SHALL AND FRUIDENCE OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE

COMPLETED IN ONE DAY.

B. WORK CREAS AND COUPMENT FOR TRENGTHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND BACKFILLING MILL BE SELF CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.

C. ALL SOIL EXCAVATION FOR THE TRENCH WILL BE PLACED ON THE LITHELL SOIC OF THE TRENCH.

D. LIMIT DALLY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETING THE SAME DAY.

DAY.

E. WATER WHICH ACCUMULATING IN THE CPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE

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

F. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND BAURDIATELY
STABILIZED.

SPECIAL GEOLOGIC AND SOIL CONDITIONS NO SPECIAL SOL OF 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 OPERATOR SHALL INVITE ALL COMPRACTORS, THE LANDOWNER, APPROPRATE MUNICIPAL OFFICIALS, TOWN REVINENCE/RISPECTOR, AND LICEVISED PROFESSIONAL ENGINEER OF DESGREET ON AN ON-SIP PRE-CONSTITUCTION MEETIN

UPON INSTAILATION OR STABILIZATION OF ALL PERIMETER SEDIMENT CONTROL BMPS AND AT LEAST 3 DAYS PRIOR TO PROXYEDING WITH THE RULK FARTH DISTURBANCE ACTIVITIES. THE PERMITTEE OR CO-PERMITTEE SHALL PROMOE NOTIFICATION

AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENINSTLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-600-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWNIOS. DEVAILOR TROW THAT SEQUENCE MUST BE APPROVED BY THE TOWNSHIP PRIOR TO IMPLEMENTATION. EACH STEP OF THE SEQUENCE SHALL BE COMPLETED BEFORE PROCEEDING TO THE NEXT STEP, EXCEPT WHERE NOTED.

PRIOR TO EARTH DISTURBANCE ACTIVITY DESCRIBED IN ANY STEP OF THE CONSTRUCTION SEQUENCE, CLEAR AND GRUB AND STRIP TOPSOIL STOCKPILE TOPSOIL IN THE DESIGNATED LOCATIONS.

UPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT STE SHALL BE IMMEDIATELY STABILIZED WITH THE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION. EARTH DISTURBANCE ACTIVITIES WILL BE PREFORMED IN THE FOLLOWING SEQUENCE:

1. FIELD DELINEATE LIMITS OF DISTURBANCE WITH ORANGE CONSTRUCTION FENCING PRIOR TO EARTH MOWING ACTIVITIES.

2. INSTALL TREE PROTECTION FENCING AND COMPOST FILTER SOCKS ON DOWNES, DOES SIDE OF DISTURBED AREA, ROIDTY THE TOMMSHIP PROMISERY FOLLOWING THE INSTALLATION OF PROTECTIVE MEASURES AND PRIOR TO CARTH INSTURBANCE. MY COMMENCE WITH LITTLE AS MEASURES HAVE BEED INSPECTED BY THE TOMMSHIP PROMISERY. RISTALL THE ROCK CONSTRUCTION CONTINUED AND CONCRETE WASHOLD AREA AS DEPICTED BY THE TOMMSHIP PROMISERY.

SEDIJENTATION CONTROL PLANS.
WHEN EAS IREASURES THAS EBENT INSPECTED BY THE TOWNSHIP ENGINEER, PERFORM DEMOUTION ACTIVITIES, AS MOTICATED BY THE PLANS. ALL MATERIAL CENERATED BY DEMOUTION ACTIVITIES SHALL BE DISPOSED OF BY THE CONTRACTOR USING APPROPRIATE INCHIOOS.

APPROPRIATE, MEJHOUS. CLEAR AND GRIB AREA DE CONSTRUCTION, STRIP TOPSOIL AND STOCKPILE IN LOCATION SHOWN ON ENDSIGN & SEDIMENTATION CONTROL PLAN. TEMPORARILY STABILIZE TOPSOIL STOCKPILE.

SENIAMITÀTION CONTROL PLAN. TEMPORARILY STABILIZE. 10450L 5104241LE.
PERFORM ROUGH GRADINO.
HISTALL UNDERGROUND INFILIPATION SED AND DISTRIBUTION PIPE, FENCE AREA OF UNDERGROUND BED WITH PROTECTION
FENCING UPPO COMPLETION OF PISTALLATION.
CRITICAL STAGE OF CONSTRUCTION: CONTACT ENGINEER PRIOR TO EXCAVATION AND ENAM.
GRADING OF UNDERGROUND STORMWATER BED. CONTACT ENGINEER PRIOR TO PLACEMENT OF

GRADNIG OF UNDERGROUND STREAMFALEX BELL MATLIANT EXPLANABLY SEAL INLETS AS HOTED, CONTRACTOR OF THE FARMS,
INSTALL STORM MEETS AND STORM PIPING SHOWN ON THESE PLANS, TEMPORABILY SEAL INLETS AS HOTED, CONTRACTOR SHOULD HISBERT HAT NO SOUMENT OR SOUNENT HAS PROBLEMENT LABOR BRUNGET HS ALLOWED TO ENTER THE INFILITATION BUP DURING SHE CONSTRUCTION, ONLY AFTER THE TREDITARY DRAINAGE AREA TO THE INFILITATION BUP IS TULLY STABILIZED (I.E. TOX STABILIZATION), CAN FUNDED FEBRUARY OF THE STORE WITHIN THIS FACILITY, THE STORE STALL BE REPOWED AND REPLACED.

FACILITY, THE STORE SHALL BE REMOVED AND REPLACED.

9. PROCEED WITH BUILDING CONTRACTION.

10. INSTALL REQUIRED UNDERGROUND UTILITIES.

11. INSTALL REMAINING STORM STRUCTURES, ROOF DRAINS AND ASSOCIATED PIPES.

12. WHEN UTILITY INSTALLATION HAS BEEN CONFICTED, BEGIN CONSTRUCTION OF DRIVEWAY AND PARKING AREAS. GRADE AND STABULZE WITH STOKE BASE AS CONSTRUCTION ALLOWS.

10. COMPLETE BUILDING CONSTRUCTION. INSTALL BRIDER COURSE ON ALL DRIVEWAY AND PARKING AREAS.

14. BISTALL WEARING COARSE AND PAYEMENT STREINING AS INDICATED ON THE PLANS AND DETAILS.

15. COLLECT ALL SILT AND STANDARD TORSOTS IN PRODORD COUNTRY DEVERSE AND THE OF ALL SILT MAD. STANDARD TORSON.

14. WITH ALL MEANING COURSE AND PAYMENT STRIPTING AS INCUGATED UT THE PLANS AND DETAILS.

IS COLLECT ALL SLIT AND SEXIMENT DEPOSTS IN EROSING CONTROL DEVICES AND PLACE OR SITE IN HOH-ERCOIBLE AREAS. PERMANENTLY STRBUZE ALL DISTURBED AREAS. ISENDORARY EROSICH CONTROLS MAY NOT BE REMOVED UNTIL STRBUZE ALL DISTURBED AREAS. ISENDORARY EROSICH CONTROLS MAY NOT BE REMOVED UNTIL STRBUZE AREAS. OF PERCHANAL VEGETATIVE. SPECIES).

16. UPON STABILIZATION OF ALL DISTURBED AREAS, REMOVE SEALS FROM STORM HILETS. REMOVE REMAINING SEDMENT BRARRERS AND CONTROLS. IMMEDIATELY STABILIZE AREAS DISTURBED BY REMOVAL PROCESS IN ACCORDANCE WITH PERMANENT SEED AND UNICH SPECIFICATIONS.

17. SUBHIT A NOTICE OF TERMANIATION TO THE COUNTY CONSERVATION DISTRICT CRICE ALL TEMPORARY EAS SMIPS 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 AU. EROSION AND SEDIMENTATION CONTROL MEASURES. INSPECTION/AVAINTENANCE OF THESE MEASURES SHALL BE CONDUCTED ON A WEEKLY BASIS AND AFTER EVERY MEASURABLE RAINFALL. A WRITTEN REPORT DOCUMENTING THE INSPECTION AND APPLICABLE REPAIRS SHALL BE KEPT ON STE AND AVAILABLE FOR INSPECTION UPON REQUEST,

2. THE OPERATION AND MAINTENANCE REQUIREMENTS FOR THE 15J. (PORARY EAS BMPs FOR THIS PROJECT INCLUDE THE FOLLOWING: OWNIG:

COMPOST FILTER SOCK SHALL BE INSPECTED/MAINTAINED TO ENSURE THAT THE WOODEN STAMES AND FABRIC COMPOST FILTER SOCK SHALL. FABRIC WHICH IS TORN, DISTRIBED/DEFORMED OR OTHERWISE COMPOSHINED SHALL BE REPLACED, ALL MATERIAL DEPOSITED BOIRNOTHE CAMPOST FILTER SOCK SHALL BE DISTRIBUTION ON SITE AND IMMEDIALLY TABRIBUZED USING SEED AND MUTCH.

B, STABILIZED CONSTRUCTION ENTRANCE (SCE) — THE SCE SHALL BE INSPECIED MAINTAINED TO ENSURE THAT THE STRUCTURE CONFORMS TO THE STANDARD DETAIL. ROCK SHOULD BE MAINTAINED AT FULL DEPTH AND MAY REQUIRE REPLACEMENT AND FOR REDISTRIBUTION, MATERIAL EXPOSITED ON THE SCE SHALL BE DISTRIBUTED ON STE AND IMMEDIATELY STABILIZED USING SEED AND MULCIL.

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

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.

SPECIFIED EROSION CONTROL MEASURING AND FACILITIES INCLUDING BUT NOT LIMITED TO CONSTRUCTION ENTRANCES MUST 8E INSTALLED AND BE OPERATIONAL PRIOR TO ANY EARTH MOVING ACTIVITIES WITHIN THE UPSLOPE DRAINAGE AREAS.

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

A. INSTALL RILET 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 PIPELINE AND BACKFILL. EROSION CONTROL FACILITIES MAY BE REMOVED WHEN TEMPORARY OR PERMANENT REPAYING IS INSTALLED AND THE AREA HAS BEEN CLEANED OF ALL DEBRIS.

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

EROSION CONTROL MAINTENANCE PROGRAM TEMPORARY

OTHE THE SITE IS STANDLIZED, ALL EROSCH AND SEDMENTATION THE SITE IS STANDLIZED, ALL EROSCH AND SEDMENTATION THE SITE IS STANDLIZED, ALL EROSCH AND SEDMENTATION THE STANDLIZED. WITH IN STITL STRONGLEY, ME PROMOTE AND SEDIMENTATION BUTS OF SOURCE VANITABLE PROPERTY. MAINTENANCE STALL INCLUDE INSPECTIONS OF ALL EROSON AND SEDIMENTATION BUTS ON A DALY SASS AND ATTER ARCH RONGES EVERT, ALL SIE INSPECTIONS SHALL BE DOCUMENTED IN AN INSPECTION LOG KEPT FOR THIS PURPOSE. THE COMPLIANCE ACTIONS AND THE DATE, THE AND NAME OF THE PERSON CONDUCTING THE INSPECTION BULL BE NOTED. THE INSPECTION LOG SHALL BE NOTED. THE INSPECTION LOG SHALL BE NOTED. THE INSPECTION STILL SELVED AND THE OWNERS AND TH

ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, REGRADING, RESECONG REDUILCHING, AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SCOMENTATION BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS OR MODIFICATIONS OF THOSE INSTALLED WILL BE REDED.

A) THE LOCATION AND SEVERITY OF THE BUR'S SALURE AND ANY POLILITION EVERIS.
B) ALL STEPS TAKEN TO REDUCE, FURNATE AND REVENT THE RECURRENCE OF THE NON-COMPLIANCE.
C) THE TIME FRAME TO CONDUCT THE NON-COMPLIANCE, INCLUDING THE EMACT DATES WHEN THE ACTIVITY WILL RETURN TO

VEGETATIVE STABILIZATION NOTES

1. AS DISTURBED AREAS MITHIN A PROVICE APPROACH FINAL GRADE, PREPARATION'S SHOULD BE MADE FOR SECURING AND MILCOHNS TO BE FOUND THE COMPLETION DATE AND SCHEDULE THE SEEDER).

MINISTRUMENT AREAS AREAS AREAS AND AREAS AREAS

BEFORE THE SEEDING BEGNIS, TOPSOIL SHOULD BE APPLIED AND ANY REQUIRED SOIL AMEXIDMENTS
WORKED BYTO THE SOIL TO A DEPTH OF 4 TO 6 NICHES. IF COMPOST IS TO BE ADDED TO THE TOPSOIL,
IT SHOULD BE WORKED INTO THE SOIL WITH THE OTHER SOIL AMEXIDMENTS UNLESS IT IS BEING APPLIED
AS AN ETOSION CONTROL BUP.

3. UPON COMPLETION OR TEMPORARY CESSATION OF THE EARTH DISTURBANCE ACTIVITY IN A SPECIAL PROTECTION WERE SERVICED THAT PORTION OF THE PROJECT SITE TRIBUTARY TO THE SPECIAL PROTECTION WATER SLUED THE BIMBURIALLY STABILIZED. IN ALL OTHER WATERSHEDS, CESSATION OF ACTIVITY FOR AT LEAST 4 DAYS REQUIRES TEMPORARY STABILIZATION.

SURFACE ROUGHERING SHOULD BE APPLIED TO SLOPES 3H:IV OR STEEPER UNLESS A STABLE ROCK FACE IS PROVIDED OR IT CAM BE SHOWN THAT THERE IN NOT A POTENTIAL FOR SCHIENT POLLUTION TO SURFACE WHERES. FOR ROUGHERED SURFACES WITHIN SO PEET OF A SURFACE WATER, AND WHERE BLANKETING OF SEEDED AREAS B PROPOSED AS THE MEANS TO ACHIEVING PERMANENT STABILIZATION, SPRAY ON THYE BLANKETS ARE RECOMMENDED.

5. FILL SLOPES SHOULD BE SEEDED AND MULCHED AT REQULAR VERTICAL INCREMENTS — 15 TO 25 FEET MAXMUM — AS THE FILL IS BEING CONSTRUCTED. THIS WILL ALLOW THE BOTTOM OF THE FILL TO PROCREES TOWARD STABULZATION WHILE WORK CONTINUES ON THE UPPER PORTION, MAKING FINAL STABULZATION EASIER TO ACHEVE AND PROVIDING SOME VEGETATIVE BUFFERING AT THE BOTTOM OF THE SLOPE.

WHEREVER SEED AND MIR.CH IS APPLIED BY HYDROSEEDING METHODS, THE SEED AND MULCH SHOULD ESTAPPLIED IN SEPARATE APPLICATIONS WITH THE SEED BEING APPLIED FIRST AND THE MULCH SPRAYED ON TOP OF THE SEED. THIS IS TO ENSURE THAT THE SEED MAKES CONTROL THIN THE MURCH IN SOLUTION OF SEED TO THE HYDROSEEDING SOLUTION SOLUTION OF THE SEED AND SHOULD BE COMPLETED PRIOR TO ADDING SEED TO THE HYDROSEEDING EQUIPMENT. RUNNING SEED THROUGH THE PUMPING SYSTEM CAN RESULT IN EXCESSIVE ARRASION OF THE SEED AND REDUCE THE PRECENTAGE OF PURE LIVE SEED IN THE APPLICATION. THEREFORE ALL SITE PREPARATION SHOULD BE COMPLETED FROM TO THE ARRAYAL OF THE MYROSEEDINE.

7. IN CRITICAL AREAS (E.G. ADJACENT TO OR WITHIN 50 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 METTING OR PROTECTIVE BLANKETS FOR ALL SEEDED AREAS ON SLOPES 3H:1V OR STEPPER.

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

9. AS SOON AS SLOPES, CHANNELS, OITCHES AND OTHER AREAS DISTURBED DURING CONSTRUCTION, REACH FINAL 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

SOIL TYPES POORLY SUITED AS SOURCES OF TOPSOIL RESTRICT OR PLACE CONDITIONS ON PLANNING VICETARIVE STABILIZATION. ACIDIC, LOW FERTILITY, EXCESSIVE DRYNESS AND EXCESSIVE WETNESS LIMIT PLANT GROWTH. RESOLUTIONS: IDENTIFYING AND RESOLVING CHARACTERISTICS, THAT RENOWN THE SOIL TYPES POORLY, SUITED AS

resolutions: applying time consistent with bates determined by sol testing; selecting vegetative species tolerant to acdic sol cosmitons; and implementing combanions of times and/or other nethiods. Special tolerance information is provided in Table 1 of the Erosion Control & Conservation Planifics on Noncogramo Published by Pedit State,

LOW FEBRUATY SOR, TYPES LACKING IN SUFFICIENT AMOUNTS OF ESSENTIAL PLANT MUTRIENTS SUCH AS:
MITROGEN, PROSPHOROUS, POTASSIDA, SALFER, MONESTAL, CALCIAM, IRON, MANDANESE, BORON, CHLORINE,
ZICC, COPPER AND MO, YEROPATHAL LIMIT VEOCRATION STABRIZATION. SOIL TESTS MIGHT BE NECESSARY TO
DETERMINE SITE SPECIFIC SOIL FEBRUATY.

RESOLUTIONS: INCORPORATING SOIL NUIRIENTS CONSISTENT WITH RATES DETERMINED BY SOIL TESTING.
SEIECTINE VIBIGITATIVE SPECIES TOLERANT TO LOW FERTILITY SOIL COMMININS, AND INFLIZEMENTA COMENATIONS
OF THESE AND OF OTHER HETHORS. SPECIFIC FOLGRANCE INFORMATION IS PROVIDED IN TABLE! 1 OF THE
EROSION CONTROL & CONSERVATION PLAYTINGS ON NONCROPLAND PUBLISHED BY PENN STATE.

ERCOIDLE SOIL TYPES EXHIBITING K VALUES GREATER THAN 0.38 OR PLASTICITY PROEX VALUES LOWER THAN TO LIMIT VEGETATIVE STABILIZATION OF CHANNELS. RESOLUTIONS: PROVIDING TEMPORARY CHARGEL LIBING, PROMONG PERMANENT CHANNEL LIBING, DECREASING CHARKEL, GRADE, INCREASING CHARKEL, MOTH, SELECTING VEGETATIVE WITH GREATER RETARDANCE, SELECTING PERMANENT LIBINGS OTHER TIMON GRASSES, AND INFELDENTIAL COMBINATION OF THESE AND FOR METHODS. VEGETATIVE RETARDANCE INFORMATION IS PROVIDED IN TASIES 6 AND 7 OF THE EROSION AND SEDIMENT POLLITION CONTROL CHANGES AND PAGEP.

MET 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 TOLBRANT TO WET CONDITIONS, TILLING VEGETATIVE AREAS, AND IMPLICATIONS OF THESE AND/OR OTHER NETHOOS, SPECIFIC TRIZEAMOE INFORMATION IS PROVIDED IN TABLE 1 OF THE EROSON CONTROL & CONSRIVATION PLANTINGS ON NONCROPLAND PUBLISHED BY PERM STATE.

DRY SOIL TYPES LACK SUFFICIENT ROOT ZONE SOIL MOISTURES. THIS INDICATOR IS AFFECTED BY SOIL DESTURBANCE. RESOLUTIONS: SELECTING VEGETATIVE SPECIES TOLERANT TO DRY OMNOTIONS, RRIGATING VEGETATED AREAS AND IMPLEMENTING COMMINIOUS OF THESE AND/OR OTHER METHODS. SPECIFIC TOLERANCE RECORDING TO PROBLED IN TABLE 1 OF THE ENCOSON CONTINO. & CONSERVANCE PLANTINGS ON INDICROFULING PUBLISHED BY

SOL TYPES SUSCEPTIBLE TO SWIKHOLE AND SOLUTION CHANNEL/CHANDER FORMATION POSE LIMITATIONS ON LOCATING RESERVOR AREAS OF SEDIMENT BASINS, SEDIMENT TRAPS, STORMWATER RETENTION BASINS, AND

RESCLUTIONS: ECCATING THOSE FACILITIES ON OTHER 301, TYPES, LINNG RESERVOR AREAS WITH IMPERIMENTAL LINNGS, SIMILITIES STANDAR WATER DEPTHS, LIMITHO RETERTION TIMES AND MAPLEMENTING COMBINATIONS OF THESE AND/OR OTHER METRO SOIL TYPES THAT EXHIBIT INSTABRITY IN PONO EMBANKMENTS OR SUSCEPTIBILITY TO PIPING AND SMEPING POSI IDATIATIONS ON PLANHING EMBANGENTS OF SEDMENT BASINS, SEDIMENT TRAPS, STORMWATER RETEATION BASINS AND STORMWATER DETECTION BASINS.

RESOLUTIONS: IMPORTING OTHER SOIL FOR EMBANGMENT OF THOSE FACILITIES, LOCATING THOSE FACILITIES ON OTHER SOIL TYPES, IJUITING EMBANKMENT SLOPE STEEPHESS AND IMPLEMENTING COMBINATIONS OF THESE

SOLS THAT ARE DIFFICULT TO COMPACT, UNSUITABLE FOR WHITER GRADNIC, OR SUSCEPTIBLE TO PROST ACTION FOR LIMITATIONS ON PLANNING CHARACHERTS OF SERMEDIT BASINS, SEDWEDT TRAPS, STORM WATER RETEXIONED REASINS AND STORMANAER CETERIONED BASINS. RESOLUTIONS: IMPORTING OTHER SCIL FOR EMBARGIENT OF THOSE FACILITIES, LOCATING THOSE FACILITIES OF OTHER SCILS TYPES. NOT CONSTRUCTIVIS EMBARGMENTS DURING PERIODS PROVE TO FROST AND IMPLEMENTING

COMBINATIONS OF THESE AND/OR OTHER METHODS.

CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL DEMOLISTED OR UNUSED CONSTRUCTION MATERIALS. GARBAGE SHALL BE COLLECTED ON-SITE UNTIL RETRIEVED BY AN APPROVID DISPOSAL OR RECYCLING COMPANY, CONTRACTOR SHALL NOT HIGHERATE EXCESS MATERIALS.

LIKELY WASTE TO BE GENERATED AT THIS SITE:

UNUSED CONCRETE TO BE PLACED IN CONCRETE WASHOUT AREAS;
EXCESS SLIT SOCK AND FENCING MATERIALS;
GETERAL RUBBISH AND DEBRIS

THERMAL IMPACTS
THE RONOR FROM THE PROJECT AREA THAT OUTLETS TO SURFACE WATERS OR EXISTING STORM SEWER FLOWS THROUGH COMPOST FULTER SOCKS.

INTERCEPTING THE RUNOFF WITH THE ONSITE TEMPORARY BMP'S WILL TEMPORARILY STORE THE SEDDMENT LADEN WATER BEHIND THE PROPOSED EAS MEASURES AND SLOWLY ALLOW CLEAN WATER TO FILTER THROUG (LE. REDUCING FLOW RATE AND VELOCITY). THE NATURAL COOLING EFFECTS OF FILTERING SEDIMENT LADEN WATER WILL HELP TO DISSPATE THE HEAT ENERGY ASSORBED BY THE STORMWATER.

EROSION AND SEDIMENT CONTROL PI, AN OBJECTIVES.

FIT THE LAND-DISTURBING ACTIVITY TO THE TERRAN THROUGH MATCHING PROPOSED GRADES AS CLOSE TO EXISTING AS POSSIBLE.

TO EXISTING AS POSSIBLE.

INHINIZE RAME SOIL EXPOSURE AND THE EXTENT AND DURATION OF EARTH DISTURBANCE THROUGH THE USE OF TOJPOCRATY STABILIZATION TECHNIQUES AND A DETAILED CONSTRUCTION SEQUENCE.

RETAIN EXSTRING VECETAINON WHENEVER FEASIBLE AND A PREPARATE BY MAXIMIZING PROTECTION OF EXISTING DRANAGE FEATURES AND VECETATION, HIGHER SOIL COMPACTION BY DELINEATING DISTURBANCE IN ONLY THOSE AREAS NECESSARY

WIRINIZES SOIL COMPACTION BY DELINEATING DISTURBANCE IN ONLY THOSE AREAS NECESSARY

OF THE PROPERTY OF THE PR

4. MINIMIZE SOIL COMPACTION BY DELINEATING LIMITS OF DISTURBANCE IN ONLY THOSE AREAS NECESSARY FOR CONSTRUCTION.

5. STABILZE DISTURBED AREAS IMMEDIATELY AFTER GRADING WITH TEMPORARY SEEDING AND MUCCHING. B. DIRECT RUNOFF AWAY FROM BARE SOIL AREAS.

7. MINIMIZE LENGTH AND SIEEPINESS OF SLOPES BY IMPLEMENTING THE APPROPRIATE TEMPORARY E&S BMP.

8. UTILIZE OTHER MEASURES OR CONTROLS. THAT PREVENT OR MINIMIZE GENERATION OF INCREASED STORMWATER RUNOFF.

9. PREPARE BRANAGE WAYS AND OUTLETS TO HANDLE INCREASED RUNOFF AND CONCENTRATION FLOWS.

10. REDUCE SEDILEDITATION BY APPLYING ENGOSK OCONTROL AND WATER QUALITY PRACTICES ON—STE.

11. ANDD, MINIMIZE OR MITIGATE THERMAL IMPACTS.

SEEDING AND MULCHING SPECIFICATIONS

JEMPORARY: SMEDING SHALL BE ANNUAL RYE GRASS APPLIED AT 48 LBS. PER ACRE. LIMING TO BE APPLIED AT 1 TON/ACRE.

10-10-10 FERINJEER TO BE APPLIED AT 3 TONS/ACRE
HAY OR STRAW MULCH TO BE APPLIED AT 3 TONS/ACRE

PERMANENT.
LIGHTO TO BE APPLIED AT 8 TON/ACRE.
10-10-20 FERTILIZER TO BE APPLIED AT 1000 LBS./ACRE
HAY OR STRAW MULCH TO BE APPLIED AT 3 TONS/ACRE.

CONTRACTOR SHALL VERIFY PERMANENT SEEDING CRITERIA WITH OWNER PRIOR, TO APPLICATION.

NON-STEEP AREAS < 3:1 HIGHLY MAINTAINED AND LIGHED, USE ONLY OH TOP SOIL AREAS.

• SEEDING SIALL BE 50% KENTUCKY BLUEGRASS, 30% RED FESCUE, AND 20% PERENNIAL RYE GRASS. AT A RATE
OF 21 LEB. PER 1000 SQUARE YARDO.

SLOPES STEEPING THAN 3:1, NO-MOW AREAS
THERE ARE NO AREAS OF NO-MOW STEEP SLOPE ON THIS PROJECT.

GENERAL:

1. THE RON-GERMINATING PERIODS ARE BETWEEN JAINE IS THRU AUGUST 15, AND SEPTEMBER 30 THRU APRIL 15.

AREAS DISTURBED DURING THESE PERIODS MUST BE LIMED, FERTILIZED, SEEDED AND MULCHED WITHIN THENTY (20)
DAYS OF THE EXIDING OF THOSE PERIODS.

2. ALL SEED MIXTRESS SHALL HAVE A MINIMAM LIVE SEED AND GERMINATION PERCENTAGE OF BS% TO 95%
3. TO POOL TAKEN FROM CONSTRUCTION AREAS SHALL BE SEEDED WITH VEGETAINE COVER AND STOCKPIED FOR RE-USE OF MINIST GROWNED, THERE IS TO BE HE LAWNIN DISTURBANCE ON VECTAINE PEARMEND AN AREAS OF SMALL BY THE STOCKPIED FOR SMALL BY THE STOCKPIED AND SMALL BY THE STOCKPIED AREA SHOWNED, THE STOCKPIED FOR SMALL BY THE STOCKPIED AND SMALL BY THE SECTION OF THE APPRICATION SMALL BY THE STOCKPIED AND SMALL BY THE STOCKPIED AND SMALL BY THE STOCKPIED AND SMALL BY THE SECTION OF THE APPRICATION SMALL BY THE STOCKPIED AND SMALL BY THE STOCKPIED AND SMALL BY THE SECTION OF THE STOCKPIED AND SMALL BY THE SECTION OF THE STOCKPIED AND SMALL BY THE SECTION OF THE SECTION OF THE STOCKPIED AND SMALL BY THE SECTION OF THE STOCKPIED AND SMALL BY THE SECTION OF THE STOCKPIED AND SMALL BY THE ST

1. AIL SEDED AREAS SHOULD BE MULCHED OR BLANKETED TO MINIMIZE THE POTENTIAL FOR FAILURE TO ESTABLISH AN ADECUATE VEGETATIVE COVER. MULCHING MAY ALSO BE USED AS A TELEPORARY STABILIZATION OF SOLE. DISTRIBED AREAS IN NOVEL-CEMAINTING SECONDS.

SECONDS AREAS IN NOVEL-CEMAINTING SECONDS.

WHORLOWN, A TRACTOR—DRAWN MUPLEMENT MAY BE USED TO "CRUMP" THE STRAW OR HAY NID THE SOL.—ABOUT 3 MOKES. THIS METHOD SHOULD BE LIMITED TO SLOPES NO STEEPER THAN JIE! HY. THE ALCHINERY SHOULD BE OPERATED ON THE CONTOUR. NOTE: CRUMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.

ANIMAL SPECIES.

MILCH ON SLOPES OF 8% OR STEEPER SHOULD 86 HELD IN PLACE WITH NETTING. LIGHTWEIGHT PLASTIC, FIBER,

5. MILGII ON SLOPES OF 8X OR STEEPER SHOULD BE KELD IN PIACE WITH HETTING. LIGHTMEIGHT PLASTIC, FIBER, OR PAPER RETS MAY BE STAPLED OVER THE KILCH ACCORDING TO MANUFACTURERY RECOUNDINGHOUT BASIN BOTTOM. IT THE CONTRACTORS RESPONSIBILITY TO KEEP BASIN SEEDING UNFORMLY SPREAD THROUGHOUT BASIN BOTTOM. IN THE EVENT SEEDS COLLECT IN ONE AREA OR DISCHARGE FROM THE BASIN. THE CONTRACTORS SHALL RE—SEED, REMILCH AND SECURE SEED/AULCH WITH THE APPROPRIATE LIGHTMEIGHT PLASTIC, FIBIR OR PAPER NETTING, IN ACCORDANCE WITH MANUFACTURERY'S RECOUNTENDATIONS.
7. SHREDOED PAPER THOROMALCH SHOULD NOT BE USED ON SLOPES STEEPER THAN 5X. WOOD FIBER HYDROMULCH MAY BE APPLIED ON STIPPER SLOPES PROVIDED A TEXCHIEFE IS USED. OF THE APPLICATION RATE FOR ANY HYDROMULCH SHOULD BE AS NOTED IN THE MULLCHING CHART (SEE THIS SHEET).

TOPSOIL APPLICATION NOTES

Eraded Areas should be scarified or otherwise loosened to a depth of 3 to 5 inches to permit Bonding of the topsor, to the surface areas and to provide a roughened surface to prevent topsol from suding down slope.

2. TOPSOIL SHOULD BE UNIFORMLY DISTRIBUTED ACROSS THE DISTURBED AREA TO A DEPTH OF SIX (6) INCHES MINIMUM, SPREADING SHOULD BE DONE IN SUCH A MANNER THAT SCOOLING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL PREPARATION OF BLIASE, INREGULARITIES IN THE SURFACE RESULTING FROM TOPSOL PLACEMENT SHOULD BE CORRECTED IN GRORE TO PREVENT FORMATION OF DEPRESSIONS UNLESS SUCH DEPRESSIONS ARE PART OF THE POSM PLACE.

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 DIHERMISE BE DETRIMENTAL TO PROPER CRADING AND SEEDED PREPARATION. COMPACTED SOILS SHOULD BE SCARFIED 6 TO 12 INCHES ALONG CONTOUR MEDERICER POSSBILE PRIOR TO SEEDING.

SOIL AMENDMENT APPLICATION RATE EQUIVALENTS

	PEROJANENT :	SEEDING APPLICATI	ON RATE (MIN.)	1
SOIL AVENOMENT	PER ACRE	PER 1,000 SF	PER 1,000 SY	1
AGRICULTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOIL TEST; WAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
10-10-20 FERIUZER	\$,000 LB	25 1B.	210 tB.	OR AS PER SOIL TEST; MAY NOT BE REQUIRED IN AGRICUATURAL FIELDS
	TEMPORARY :	SEEDING APPLICATI	ON RATE (MIN.)	
ACRICULTURAL LIME	s TON	40 LB.	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPRES
10-10-10 FERTILIZER	500 LB,	12.5 LB.	100 LB,	TYPICALLY NOT REQUIRED FOR

	A.P	PUCATION RATE (MH.)	50900-000000000000000000000000000000000
WULCH TYPE	PER ACRE	PER 1,000 SF	PER 1,000 SY	
STRAW	3 TONS	140 LB.	5,240 IB.	EITHER VHIEAT OR OAT STRAW, FREE OF WEEDS, NOT CHOPPED OR FINELY BROWE
RAY	3 TONS	140 LB.	1,240 LB.	TIMOTHY, MIXED CLOVER AND TIMOTHY OR OTHER NATIVE FORAGE GRASSING
WOOD CHEPS	4-6 TONS	185-275 LB.	1,650-2, 500 LB.	MAY PREVENT GERMINATION OF GRASSES AND LECUMES
нуркомил сн	1 TON	47 IB.	415 LB.	SEE LINITATIONS ABOVE

TOPSOIL APPLICATION RATES

DEP'TH (M)	PER 1,000 SF	PER ACRE
	3.1 CY	134 CY
2	6.2 CY	288 CY
3	9.3 CY	403 CY
4	12.4 CY	537 CY
5	15.5 CY	672 CY
6	18.5 CY	506 CY
7	21.7 CY	910 CY
8	24.8 CY	1,074 CY

PRELIMINARY/FINAL EROSION AND SEDIMENTATION CONTROL NOTES

LAND DEVELOPMENT PLANS **APPLEBROOK GOLF CLUB** TURF MAINTENANCE AREA EAST GOSHEN TOWNSHIP - CHESTER COUNTY - PENNSYLVAN

ChesterValley ENGINEERS, INC.

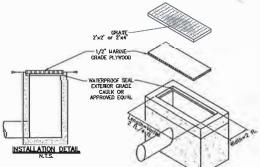
4 2/3/23 REVISED PER TOWNSHIP ENGINER COMME 3 1/20/23 ISSUED FOR BIO
2 10/05/22 PIBR TOWNSHIP ENGNEER COMMENTS
1 09/26/22 PRICING SET

83 C es rut Reed,P. Q. 80 - 547, Pack 6A 1031

CRAYMEN RRB CHECAFORY

20558 -0015

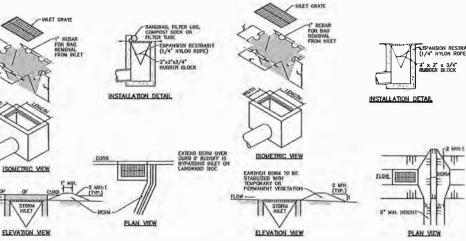




FILTER BAG INLET PROTECTION - TYPE C INLET DETAIL

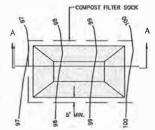
NUM ORNINACE AREA = ½, ACRE.
PROTECTION STALL HOT BE REQUIRED FOR INLET THRUTARY TO SEDIMENT BASN OR.
BERNE SHALL BE RECQUIRED FOR ILL INSTALLATIONS.
DE CARTHEN BERM SHALL BE MANTAINED UNTIL ROADWAY IS STONED. ROAD
RASE BERM SHALL BE MANTAINED UNTIL ROADWAY IS FANCED. SX BICH MINGOUN
HIT ASPHALT BERM SHALL BE MANTAINED UNIT. ROADWAY SIF PANCE. RECEIVES FINAL

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



FILTER BAG INLET PROTECTION - TYPE M INLET DETAIL

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



SECTION A-A

CHANGE DURING CONSTRUCTION.

6. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET.

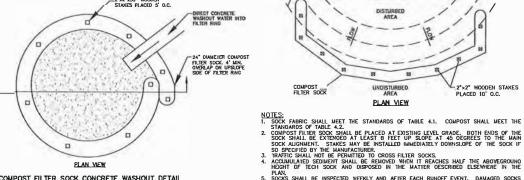
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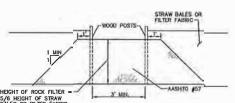
1. PIACE STOCKPILES AT LOCATIONS AS SHOWN ON THE IRROSION AND SEGIMENTATION CONTROL PLAN.
2. ALL SIDE SLOPES SHALL BE 2 TO 1 OR FLATTER.
3. STOCKPILE SHALL RECEIVE A VEGETATIVE COVER IN ACCORDANCE WITH MINIMUM STABILIZATION REQUIREMENTS.
4. COMPOST FILTER SOCK SHALL BE INSTALLED AS DETAILED HEREON.
5. LOCATION OF PROPOSED STOCKPILE WHICH AFFECT REOSION CONTROLS ARE SHOWN SCHEMATICALLY ONLY. ACTUAL STOCKPILE LOCATION MAY CHANCE DURING CONSTRUCTION.

STOCKPILE DETAIL

COMPOST_FILTER_SOCK_CONCRETE_WASHOUT_DETAIL

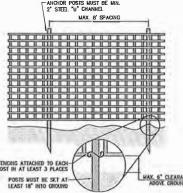
SECTION, MEW





UP_SLOPE FACE

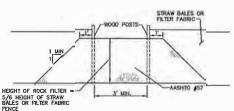
ROCK FILTER OUTLET DETAIL N.T.S.



PROTECTION BARRIER SHALL BE 4 FEET HIGH, CONSTRUCTED OF DURABLE AND HIGHLY WISIBLE MATERIAL (PLASTIC GRANGE CONSTRUCTION FENCE AND/OR SNOW-FENCE MAY BE USED).

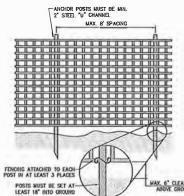
TREE PROTECTION BARRIER FENCE DETAIL

OUTLET CROSS-SECTION



NOTES:

1. A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT
FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED
FLOW. ANOTORED COUPOST LAYER SHALL BE USED ON UPSLOPE FACE IN
HO AND EV WATERSHEOS.



TREE PROTECTION FENCE

COMPOST FILTER SOCK DETAIL TABLE 4.1 - COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS 6 ML HOPE NULTH-PLANDIT MULTI-PLANDIN MULTI-3 ML HOFE 5 ML HOPE MATERIAL 3/8* MESH CPENUN 3/6 TEX SELE

BLOWN/PLACEO FILTER MEDIA DISTURBED AREA

> ULTRANCLET STABILITY X ORIGINAL STRENGTH (ASTM G-15) 100% AT 1000 HR FUNCTIONAL LONGEVITY CONTINUOUSLY INCUMO 3/4" x 3/4" WAX. APERILISE SITE SOOK FABRICS COMPOSED OF BURLAP WAY BE USED ON PROJECTS LASTING 8 MONTHS OR LESS.

TABLE 4.2 _ COMPOST STANDARDS

ORGANIC MATTER CONTENT	BDX - 100X (ORY WEIGHT BASE			
ORGANIC PORTION	FIBROUS AND ELONGATED			
рН	5.5 - 8.0			
MOISTURE CONTENT	35 x - 55 x			
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN			
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM			

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

_2"x2" WOODEN STAKES PLACED 10" O.C.

2"x2" WOODEN STAKES

18* 24° 32°

202 PSI

3/8°

44 PSI

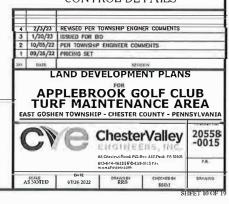
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SECTION VIEW

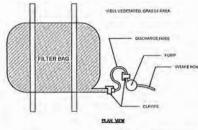
PLAN VIEW

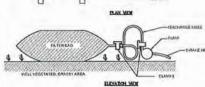
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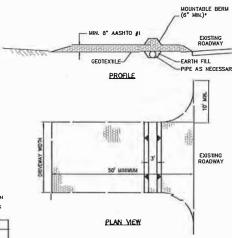
INLET TEMPORARY SEAL DETAIL N.T.S.





PROPERTY	TEXT METHOD	MONTH STANDARD
AVO. WOE WOTH STRENGTH	ASTN D-4884	60 tB/H
GRAB TENSILE	ASTN 0-4632	205 1.8
PUNCTURE	ASTM D-4833	110 LB
IMALEN BURST	A51W 0-3788	350 PSI
UV RESISTANCE	ASTM 0-4355	70%
AOS X RETANED	ASIN 0-4751	60 SEVE

- 3. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BACS IN THE MANNER SPECIFIED BY THE MANNEACTURER AND SECURELY CLAMPED. A PIECE OF PIC PPE IS RECOMMENDED FOR THIS PURPOS
- 6. THE PUMPING RATE SHALL BE NO GREATER THAN 750 CPM OR & THE MAXIMUM SPECIFED BY THE MANUFACTURER, WHONEYER IS LESS. PUMP INTAXES SHALL BE TLOATING AND SCREENED. Filter bacs shall be inspected day.
 If any problem is detected, pulppho shall cease panediately and not resume until the problem is conjected.



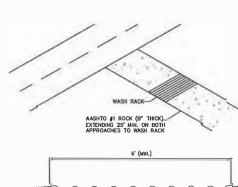
- * MOUNTABLE BERM USED TO PROVIDE COVER FOR PIPE
- NOTES:

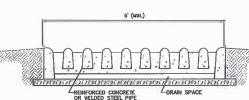
 1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTENO ROCK OVER FULL WOTH OF ENTRANCE.
- 2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
- MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE 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.

MAINTEN ANCE:

ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE
CONSTANTLY MANTANED TO THE SPECIFIED DIMENSIONS BY
ADDING ROCK. A STOCKPILE SHALL BE MAINTANED ON STE
FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED
ROADWAYS SHALL BE REMOVED AND RETURNED TO THE
CONSTRUCTION STE IMMEDIATELY. FEXCESSIVE ANOUNTS OF
SEDIMENT ARE BUSING DEPOSITED ON ROADWAY, EXTEDIL ENGINE
UNILL CONDITION IS ALLEMATED OR INSTALL WASH RACK
WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO
ROADWAY DITCHES, SEWERS, CULYETIS, OR OTHER DRAHAGE
COURSES IS NOT ACCEPTABLE.

PACKY CONSTRUCTION FAITBANCE DETAIL





ROCK CONSTRUCTION ENTRANCE WITH WASH RACK DETA

NOTES;

1. WASH RACK SHALL BE 20 FEET (MIN.) WIDE OR TOTAL WIDTH OF ACCESS WASH RACK SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE ANTICIPATED CONSTRUCTION VEHICULAR TRAFFIC.

3, A WATER SUPPLY SHALL BE MADE AVAILABLE TO WASH THE WHEELS OF ALL VEHICLES EXTING THE SITE.

MAINTENANCE:
ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED
TO THE SPECIFIED OMBISSIONS BY ADDING ROCK. A STOCKPILE OF ROCK
MATERIAL SHALL BE MAINTAINED ON SIVE FOR THIS PURPOSEL, DRAIN SPACE
MAINTENAL SHALL BE REMARKABED PRIOR TO PURTHER USE OF THE RACK. ALL
SEDMENT DEPOSITED ON ROADWAYS SHALL BE REMOVED AND RETURNED TO
MAINTENANCE SHALL BE REPAIRED PRIOR TO PURTHER USE OF THE RACK. ALL
SEDMENT DEPOSITED ON ROADWAYS SHALL BE REMOVED AND RETURNED TO
MAINTENANCE SHALL BE REMOVED. THE CONSTRUCTION SITE IMMEDIATELY. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAWAGE COURSES IS NOT ACCEPTABLE.

ROCK CONSTRUCTION ENTRANCE DETAIL

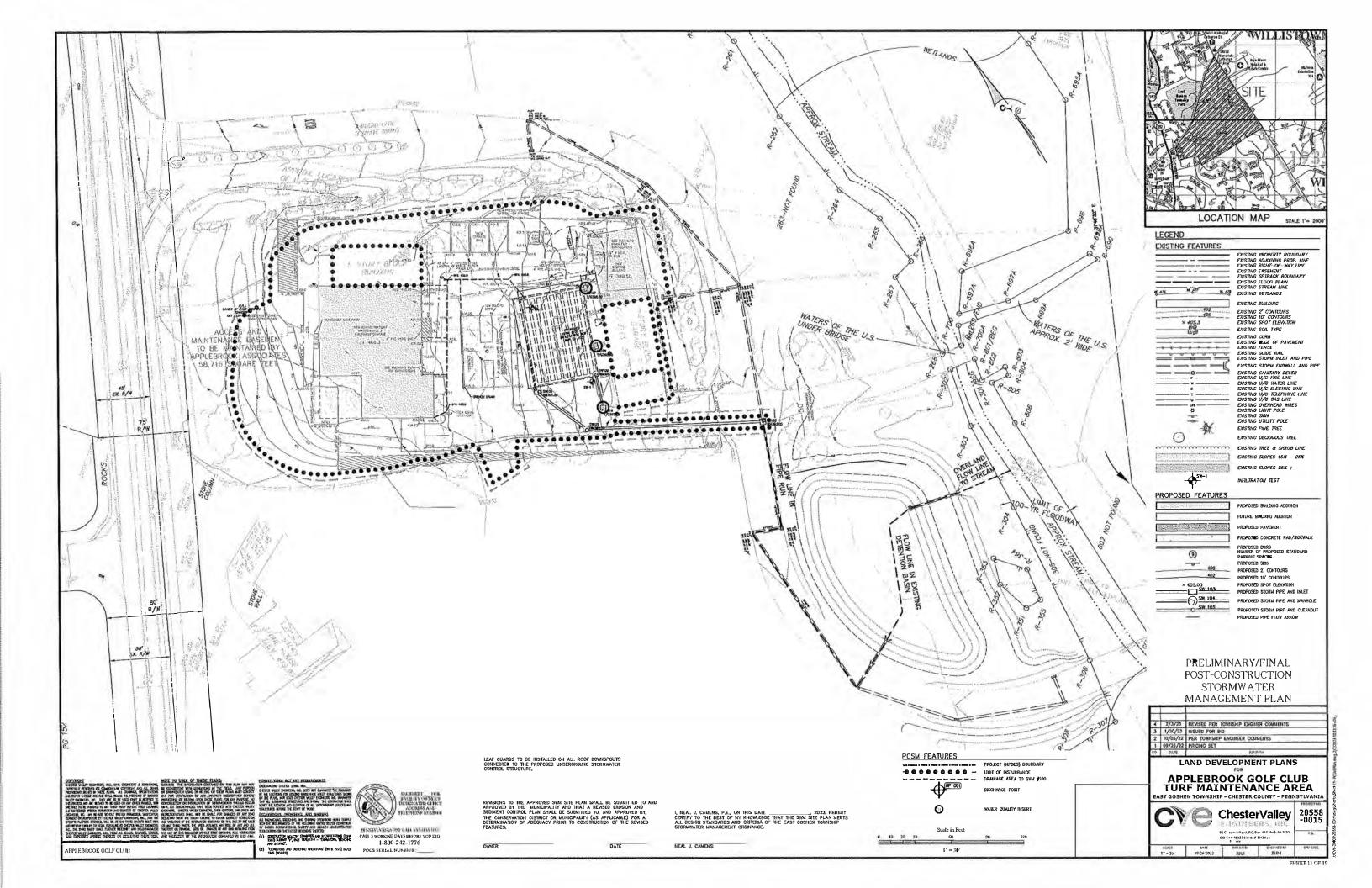
PLACE THE TREE PROTECTION FENCE ALONG THE DRIPLINES OF TREES OR 1 FOOT FROM THE TIREE TRUNK FOR EVERY INCH OF TRUNK DIAMETER, WHICHEVER IS GREATER. A DRIPLINE IS AN IMAGINARY UNIE EXTENDING DOWN FROM THE OUTER-MOST BRANCHES OF A TIREE TO THE GROUND, THIS IS GENERALLY THE OUTER BOUNDARY FOR TIRE ROOTS. FITHE TREE PROTECTION FENCE IS PLACED ANY CLOSER TO A TREE, ITS PURPOSE MAY BE DEFEATED.

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

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.

TREE PROTECTION FENCE DETAIL
N.T.S.

ALL WOODY VEGETATION TO BE RETAINED WITHIN 25 FEET OF A BUILDING SIE, PARKING AREA, DRIVEMAY OR OTHER PROPOSED IMPROVEMENT SHALL BE PROTECTED FROM EXIDENCE THE TOWNSHIP EVANCER! AND OTHER FEFTCHINE BARRIERS APPROVED BY THE TOWNSHIP EVANCER! ALD ADDRESS APPROVED BY THE TOWNSHIP EVANCER. ALD ADDRESS APPROVED BY THE TOWNSHIP EVANCER AND ESTABLE OF THE TOWNSHIP ENGINEER / LANDSCAPE ARCHITECT REGARDING A MORE APPROPRIATE LOCATION.



APPLEBROOK GOLF CLUB

GENERAL NOTES:

- STORMWATER MANAGEMENT DESIGN:
 REFIR TO THE "POST-CONSTRUCTION STORMWATER MANAGEMENT REPORT", PREPARED BY CHESTER
 VALLEY PREMISTERS
- THE BUP'S LISTED BELOW WILL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER.

 NIFIL TRATION BED.
 - WATER QUALITY FILTER(S)
 STORM SEWER AND ASSOCIATED STRUCTURES
- DESIGN CONSIDERATIONS: SUBSURFACE BED DESIGNED TO STORE AND MITIGATE POST-DEVELOPMENT RUNCEF TO RATES LESS THAN THOSE RECLIRED BY TOKINSHIP CODE. SUBSURFACE BED DESIGNED TO MITIGATE THE POST-DEVELOPMENT VOLUME INCREASE DUE TO DEVELOPMENT. WATER QUALITY FILTERS DESIGNED TO FILTER ALL SURFACE RUNCEF.
- 4. THE POST CONSTRUCTION STORMWATER MANAGEMENT PLAN HAS BEEN DESIGNED TO MEET THE FOXLOWING GOALS AND GUIDELINES:

 - AND GUDELINES!

 PRESERVE THE INTEGRITY OF STREAM CHANNELS AND MAINTAIN AND PROTECT THE PHYSICAL, BIOLOGICAL AND CHEMICAL QUALITIES OF RECODING STREAMS.

 PRESENT AN INCREASE IN THE NATE OF STORMANAER RUNGEF.

 MINIMIZE ANY INCREASE IN STORMANAER RUNGEF VOLUME.

 MINIMIZE ANY INCREASE IN STORMANAER RUNGEF VOLUME.

 MINIMIZE ANY INCREASE IN STORMANAER RUNGEF VOLUME.

 MINIMIZE THE PROTECTION OF EXSTING DRAINAGE FEATURES AND EXISTING VEGETATION.

 MINIMIZE SOIL COMPACTION.

 UNITED ONLY STRUCTURAL ON NONSTRUCTURAL BUMP'S THAT PREVENT OR MINIMIZE CHANGES

 IN STORMANAER RUNGEF.
- THE RECEIVING WATER FOR THIS PROJECT IS ROLLY CREEK. THE CHAPTER 93 CLASSFICATION FOR THIS WATERSHED IS HIGH QUAUTY-TROUT STOCKING FISHES (HQ-TSF).
- THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENT'S SOLD WASTE MARKGURENT REQULATIONS AT 25 PA. CODE, 260.1 ET SEQ., 2711 ET SEQ., AND 2871 ET SEQ. OF. THE CONTRACTOR SHALL NOT LECALLY BURKY, DUARP, OR BOSTANGE ANY BUILDING MAYSIES MIST DE RECYCLED TO THE EXCENT PRACTICABLE, AND DISPOSAL METHODS MUST COURTY WITH FEBRUARY, STATE, AND LOCAL RECIREMENTS.
- THE PERMITTEE SHALL PROVIDE ENGINEERING CONSTRUCTION OVERSIGHT FOR THE PROPOSED STORMWATE BMPS. A LICENSED PROFESSIONAL ENGINEER KNOWLEDGEASLE IN THE DESIGN AND CONSTRUCTION OF STORMWATE BMPS, PRETENBLEY THE DIBRON ENGINEER, SHALL CONDUCT THE OVERSIGHT.
- AS-BUILT PLANS OF THE STORAWATER BMP'S SHALL BE PROVIDED WITHIN SIX MONTHS FOLLOWING THE COMPLETION OF EACH PRASE. THE AS-BUILT PLANS SHALL BE SIGNED AND SEALED BY A PA REGISTERED PROFESSIONAL ENDANCER.
- 9. A NOTICE OF TERMINATION (NOT) WILL BE RECUIRED TO BE SUBJUITED FOLLOWING APPROVAL OF THE FINAL AS-BUILT PLANS, PRICE TO ACCEPTING THE NOT, THE EXPARIMENT AND/OR CONSERVATION DISTRICT STAFF WILL PREFORM A FRAIL INSPECTION TO ENSURE SITE STABILIZATION AND VEHIFY ADEQUATE INSTALLATION AND FUNCTION OF STORMWATER BMP'S.
- 10. PCSM REPORTING AND RECORDINEMPING, THE PCSM PLAN, INSPECTION REPORTS AND MONITORING RECORDS SHALL BE AVAILABLE FOR REVIEW AND INSPECTION BY THE DEPARTMENT OR THE CONSERVATION DISTRICT.
- Final Certification, the permittee shall include with the notice of termination "record Drawngs" with a final Certification statement from a ligensed 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 RELUEF, THAT THE ACCOMPANYING RECORD DRAWNOS ACCURRALY REFLECT THE AS-BUILT CONDITIONS, ARE ITEM AND CORRECT, AND ARE IN CORPOGNANCE WITH CHAPTER 102 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE PROJECT SITE WAS CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PCSM PLAN, ALL APPROVED PLAN CHANGES AND ACCEPTED CONSTRUCTION PRACTICES."
- (1) THE PERMITTEE SHALL RETAIN A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED
- POSM PLUN.

 (2) THE PERMITTEE SHALL PROVIDE A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED POSM PLUN TO THE PERSON IDENTIFIED IN THIS SECTION AS BEING RESPONSIBLE FOR THE LONG-TERM OPERATION AND MAINTENANCE OF THE POSM BUPS.
- 12. UPON PERMANENT STABILIZATION OF THE EARTH DISTURBANCE ACTIVITY UNDER § 102.22(A)(2) (RELATING TO FERMANENT STABILIZATION), AND INSTALLATION OF BUPS IN ACCORDANCE WITH M PROPAGED PLAN PREPARED AND IMPLEMENTED IN ACCORDANCE WITH 59 102.4 AND 102.6 (RELATING TO FROSION AND SCOWER TO CONTROL REQUIREMENTS). THE PERMITTEE OR CO-PERMITTEE STALL SUBMIT A NOTICE OF TERMINATION TO THE DEPARTMENT OF CONSERVATION STRICT.
 - THE NOTICE OF TERMINATION MUST INCLUDE:

 (1) THE FACILITY MANE, ADDRESS AND LOCATION.

- (1) THE FAULITY NAME, ADDRESS AND LOCATION.

 (2) THE OPERATOR NAME AND ADDRESS.

 (3) THE PERMIT NUMBER.

 (4) THE RESON FOR PERMIT TERMINATION.

 (5) IDENTIFICATION OF THE PERSONS WHO HAVE AGREED TO AND YHIL BE RESPONSBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMPS IN ACCORDANCE WITH \$102.8(M) AND PROOF OF COMPLIANCE WITH \$ 102.8(M)(2).

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

GENERAL CONSERVATION NOTES AND SPECIFICATIONS.

INTERIT OF CONSERVATION PROGRAMS. THE INTERIOR OF THIS PROGRAM IS TO PREVENT ACCELERATED EROSION OF THE EXPOSED SITE SOILS DURNO THE CONSTRUCTION AND PERMANENT LIFE PERIODS OF THE DEVELOPMENT. THE PROGRAM REQUIRES REPEDITION OF ALL SEDIMENTS ON THE CONSTRUCTION SITE TO MINIMIZE THE HIPACT OF DEVELOPMENT ON EDISTRICS STREAMS AND ADMICHATIVE OF THE CONSTRUCTION SITE TO MINIMIZE THE HIPACT OF DEVELOPMENT ON EDISTRICS STREAMS AND ADMICHATINATLY FORCEST OWNERS. THESE OBJECTIVES WILL BE ACHIEVED OF MINIMIZED THE DEPOSIT OF THE PROGRAM SHOULD BE AND INSTALLATION OF THE TRAFFORM OF THE PROGRAM OF THE PROGRAM SHOULD BE CONSTRUCTION. THE HIP OF THIS PROGRAM SHOULD BE DEVELOPMENT, THE WANDLOS CONSTRUCTION THANDS SHOULD BE APPROVED OF THIS PROGRAM AND DIRECTED TO PREVENT UNDUE DISTURBANCE OF PREPARATION AND PROTECTED SHOWARDS.

SURFACE STABILIZATION CRITERIA: ALL DISTURBED SOIL SURFACES, INCLUDING SOIL STOCKPILES, ARE SUBJECT TO EROSION AND SHALL BE STABILIZED EITHER TEUPORABILY OR PERMANDEN PERMANDING PERMANDING PERIODS. MUCHOL MUST EE APPLIED AT THE RECOMMENDED HATES. ORISINGTON ON PAKEMBYLT SUBGRADES IS CONSIGNED ADEQUATE PROTECTION. ALL DISTURBED ZONES AND VECETATED REGORNS SHALL BE STABILIZED. PREFERBALLY WHITH A PERMANDENT TREATMENT.

CRITICAL VEGETATION AREAS (CVA)

CRITICAL VEGETATION AREAS ARE TO BE GRADED, HYDROSEEDED, AND MULCHED WITHIN 10 DAYS OF THE BEGINNING OF EXCAVATION, IN GENERAL, CRITICAL VEGETATION AREAS ARE DEFINED AS CUT SLOPES STEEPER THAN 31, AL FILL SLOPES STEEPER THAN 41 AND IN ALL DRAINAGE SWALES.

DISPOSAL AND RECYCLING

CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL DEMOLISHED OR UNUSED CONSTRUCTION MATERIALS. GARBAGE SHALL BE COLLECTED ON-SITE UNTIL RETRIEVED BY AN APPROVED DISPOSAL OR

LIKELY WASTE TO BE GENERATED AT THIS SITE:

UNUSED CONCRETE TO BE PLACED IN CONCRETE WASHOUT AREAS;
EXCESS SILT SOCK AND FENCING MATERIALS;
GENERAL RUBBISH AND DEBRIS

THERMAL IMPACT
STORMALER RUNGET FROM THE DRIVEWAY AND PARKING AREAS DRAIN TO A SUBSURFACE INFLITRATION BED
AND UNDERFORCUME STORM DRAIN PIPES. THEREFORE, THE INITIAL RUNGET PHAT IS MOST UKELY TO WARKER
IS SENT UNDERFORCUMED AND NOT DISCHARGED TO THE WATERCOURSE. FURTHER, THE REDUCTION OF
IMPERVOUS SURFACES LESSESS THE POTENTIAL OF HERMAL RUPACTS. WATER HAS TIME TO COOL, PRIDE TO
LEAWING THE SITE AND DRAINING TO THE WATER COURSE.

SPECIAL GEOLOGIC AND SOIL CONDITIONS.

NO SPECIAL SOIL OR CEOLOGICAL ISSUES ARE KNOWN

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

- 1. UNIL THE PERUITIEE OR CO-PERMITTEE HAS RECOMED WRITTEN APPROVAL OF A MOTICE OF TERMINATION. THE PERMITTEE OR CO-PERMITTEE WILL REMAN RESPONSIBLE FOR COMPLIANCE WITH THE PERMITTEE WAS NO CONDITIONS INCLUDING LONG-TERM OPERATION AND MANTEMANCE OF ALL PCSMA BURY OF THE PROJECT SITE. AND IS RESPONSIBLE FOR VIOLATIONS OCCURRING ON THE PROJECT SITE.
- THE PERMITTEE OR CO-PERMITTEE SHALL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF PCSMM BUPE LINLESS A DIFFERENT PERSON IS DENTIFIED IN THE NOTICE OF TERMINATION AND HAS AGREED TO LONG-TERM OPERATION AND MAINTENANCE OF PCSMM BUPE.
- TO LONG—IERIL OPERATION AND MAINTENANCE: OF PCSMM BUPS.

 FOR ANY POPCEPTY CONTLANNO A PCSMM BUP, THE PERMITTEE OR CO-PERMITTEE STALL RECORD AN INSTRUMENT WITH THE RECORDER OF PCSMM BUPS.

 RELATED ORGANIZORS IN THE ORDINARY COURSE OF A TITLE SEARCH OF THE SEARCH OF THE SEARCH STATED TO THE STATE THE PCSMM BUPS THE STATE TO LONG—TERM PCSMM BUPP. PROVIDE FOR NECESSARY ACCESS RELATED TO LONG—TERM PCSMM BUPP. AND PROVIDE POOL THAT THE RESPONSIBILITY FOR LONG—TERM OPERATION AND MAINTENANCE OF PCSMM BUPP AND PROVIDE PR
- THE PERSON RESPONSIBLE FOR PERFORMING LONG-TERM OPERATION AND JAN FEDIXON RESEARCISED FOR FEB. VARIETY WHITE LEAN OFFICE HOW AND MANUFACTURE OF CONSERVATION DISTRICT, KNOWN PROPERTY ORGANIZATION, MUNICIPALITY, AUTHORITY, PRIVATE CORPORATION OR OTHER PERSON, TO TRANSFER THE RESPONSIBILITY FOR PCISM MERS OR TO PERVIOUS LONG-TERM OFFICIAL AND HONOLE THEREOF TO THE DEPARTMENT OF THE AUTHORITY OF THE CONTROLLED OF THE TOTAL OF THE T
- , A PERMITTEE OR CO.—PERMITTEE THAT FALS TO TRANSFER LONG-TERM OPERATION AND MAINTENANCE OF THE POSINE DUP ON DEPRMISE FALS SEVERALLY RESPONSED WITHOUT THE LAND MET OF THE POSINE FOR LONG-TERM OPERATION AND MAINTENANCE OF THE POSINE BUPS LOCATED ON THE PROPERTY.
- IN THE EVENT THAT THE BMP IS NOT FUNCTIONING PROPERLY. THE PERSO
- . THE PERMITTIES SHALL BE REQUIRED TO SUBMIT A PRITTEN REPORT DOCUMENTING EACH INSPECTION AND ALL BUP REPAIR AND MAINTENANCE ACTIVITIES TO THE TOWNSHIP, CONSERVATION DISTRICT, AND THE DEPAIRMENT UPON REQUEST.

BMP FAILURE NOTES (PER PROTOCOL 2 OF THE BMP

- THE TERM "FAILURE" FOR THE PROPOSED SUBSURFACE BED SHALL BE DEFINED
- 1) THE LOSS OF FUNCTIONALITY OF THE PROPOSED QUILET STRUCTURE OR DISCHARGE PIPE
 2) THE LOSS OF STRUCTURAL INTEGRITY OF THE STONE AND PIPES
 3) THE ACCUMILATION OF SEDIMENT, TRASH OR DEBRIS IN PERIMETER DRAINAGE STRUCTURES.
 4) STANDING WATER IS OBSERVED IN THE 8ASIN AFTER 72 HOURS
- THE PERMITTEE SHALL MAKE THE NECESSARY REPAIRS TO THE OUTLET STRUCTURE, DISCHARGE PIPING, STOWE, AND PERFORATED PIPE AS NEEDED. IF STANDING WATER IS OBSERVED AFTER 72 HOURS, CONSULT ENGNEER FOR REMEDIATION OF THE UNDERGROUND BID.

THE TERM "FABURE" FOR THE PROPOSED WATER QUALITY PILETS (FILTER INSERTS) SHALL BE OFFINED AS:

1) DISCOVED ENDERGE OF DAMAGED FILTER MEDIA

2) DISCOVED ENDERGE OF THE FILTER MEDIA'S BRABILITY TO SUPPORT ACCUMULATED SEDIMENT OR DEBRIS.

THE PERMITTIES SHALL, ROPAIR BUP FAILURE BY REPLACING THE FRITER MEDIA BY ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

POST CONSTRUCTION STORMWATER MANAGEMENT. REPORTING AND RECORD KEEPING.

A WRITTEN REPORT DOCUMENTING EACH INSPECTION AND ALL BMP REPOARS AND MAINTENANCE ACTIVITIES MUST BE PROVIDED AS PART OF THE LONG-TERM OPERATION AND MAINTENANCE PROGRAM.

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

WATER QUALITY INLETS (FILTER INSERTS)

IT SHALL BE THE SOLE RESPONSIBILITY OF THE <u>PROPERTY OWNER</u> TO MAINTAIN ALL WATER QUALITY INLETS ON SITE.

INSPECTION REQUIREMENTS 1. WATER QUALITY INLET INSERTS SHOULD BE INSPECTED THRME TIMES PER

- A. OURING THE THREE ROUTINE INSPECTIONS, THE FILTER MEDIA SHALL BE
- CLEANED.

 B. ONE REGULAR CHANGE AND DISPOSAL OF THE FILTER MEDIA SHALL OCCUR DURING THE CALENDAR YEAR AS WELL.
- BMP FAILURE

 1. BMP FAILURE IS DEFINED AS DISCOVERING EVIDENCE OF TORN FILTER
 FABRIC OR FILTER MEDIA INABILITY TO SUPPORT ACCUMULATED SEDIMENT
- REPAIR BUP FAILURE BY REPLACING THE FILTER MEDIA IN ACCORDANCE WITH THE MAINIFACTURERS SPECIFICATIONS.
- GENERAL MAINTENANCE MOTION

 1. WATER QUALITY INLET INSERTS SHALL BE CHECKED TO ENSURE THEY ARE
 SCRIBELY EXCHANGED DIRECT SACH BASECTION.
- RECOMMENDED MAINTENANCE IS PERFORMED INCLUDING REMOVAL AND DISPOSAL OF THE FILTER MEDIA OR EXCESS MATERIAL BY PERSONNEL.
- OISPOSAL OF REMOVED MATERIAL WILL DEPEND ON THE NATURE OF THE DRAWAGE AREA AND THE INTENT AND FUNCTION OF THE WATER QUALITY
- 2. MATERIAL REMOVED FROM WAITER GUALITY INSERTS THAT SERVE "NOT SPOTS" SUCH AS FIRMLOS STANDIS THAT RECEIVE A LARGE AMOUNT OF DEBRIS SHOULD BE HANDLING ACCORDING TO DEP REGULATIONS FOR THAT TYPE OF SOLD MASTE, USICH AS A LANDRELL THAT IS APPROVED BY DEP TO ACCEPT SOLD WASTE, WAITER QUALITY INSERTS THAT PRIMARILY CATCH SQUIRENT, AND DETRIBUTE FROM AFCAS SUCH AS LANDR MAY REUSE THE

CONSTRUCTION SECVENCE. 1. REMOVE THE GRATE OF THE INSTALLED INLET AND SET IT TO THE SIDE.

- 2. REMOVE DEBRIS AND LITTER FROM THE INTET.
- J. CLEAN OFF THE GRATE BEARING LEGGE.
- 4. LOWER THE FILTER ASSEMBLY INTO THE INTET UNTIL THE ASSEMBLY'S SUPPORT FLANCE'S REST ON THE GRATE BEARING LEDGE.
- 5. INSURE THAT THE FOUR FILTER MEDIUM CARTRIDGES ARE ATTACHED TO THE D-RINGS IN THE BOTTOM CORNERS OF THE FILTER ASSEMBLY.

CRITICAL STAGE OF CONSTRUCTION; CONTACT ENGINEER TO VERIFY INSTALLATION OF WATER QUALITY INSERTS.

S. REPLACE THE INLET CRATE.

SUBSURFACE INFILTRATION BED (SWM #100)

- SPECIFICATIONS

 1. AGGREGATE: AGGREGATE FOR BEDS SHALL BE 3/8 INCH TO 3/4 INCH
 UNIFORLLY GRADED COARSE AGGREGATE, AASHTO NUMEER 57 PER TABLE

 4. AASHTO SPECIFICATIONS, PART 1, 13TH ED., 1998 (P. 47).
- NON-WOVEN GEOTEXTILE: SHALL CONSIST OF NEEDLED NON-WOVEN POLYPROPYLENE HEERS AND MEET THE FOLLOWING PROPERTIES:
- UNI-MOVEN CEOTEXTILE: SHALL CONSIST OF NEEDLED NON-MOVEN
 SUPPROPUEDE HERES AND MEET THE FOLLOWIN: PROPERTIES:
 GRAD TENSILE STRENOTH (ASIM-0452).

 MOULEN BURST STRENOTH (ASIM-05766): 225 PSI
 FLOW RATE (ASIM-0449) HOURS (ASTM-04355X): 70X
 FLOW RATE OF THE SOO HOURS (ASTM-04355X): 70X
 FACT-SET OF HEAT-SALEDDARED FABRICS ARE NOT PERMITTED.
 ACCEPTABLE TYPES WICLUDE MIRAFI 140M, AMOCO 4547, AND
 GEOTEM SET
- STORAGE PIPE: SHALL BE CONTINUOUSLY PERFORATED, SMOOTH INTERIOR HIGH-DENSITY POLYETHYLENE (HOPE) PIPE SHALL MEET AASHTO M252, TYPE S OR AASHTO M294, TYPE S.

NSPECTION REQUIREMENTS 1. ALL STORMWATER MANAGEMENT SYSTEMS SHALL BE INSPECTED ANNUALLY, OR AFFER RACH RAWFALL EVENT IN EXCESS OF TWO (2") INGLES (MAJOR STORM, EVENT), FOR TRASH AND DEBRIS; ANY DISCOVERED TRASH OR DEBRIS SHALL BE REMOVED INJURIEMENT.

- GENERAL MAINTENANCE NOTES

 1. ACCESS FOR MEXIMG OR VACUUMING IS PROVIDED THROUGH DISSERVATION PORTS AND STORM MAINFILES.
- REMOVE SEDIMENT/TRASH/DEBRIS FROM PERIMETER BRAINAGE STRUCTURES AND OUTLET STRUCTURE. THE OVERLYING VEGETATION OF SUBSURFACE INFICTRATION FEATURES SHOULD BE MAINTAINED IN GOOD CONDITION, AND ANY BARE SPOIS REVEGETATED AS SOON AS POSSIBLE.
- VEHICULAR ACCESS ON SUBSURFACE MELTRATION AREAS SHOULD BE PROHIBITED IN UNPAYED AREAS, AND CARE SHOULD BE TAKEN TO AVIDO EXCESSIVE COMPACION BY MORRESS. IF CONTINUAL ACCESS IS NEEDED, USE OF PERMEABLE, TURF REINFORCEMENT SHOULD BE CONSIDERED.
- CONTACT QUALIFIED ENGINEER IMMEDIATELY AFTER DISCOVERY OF SINKHOLE OCCURRENCE, SINKHOLE SHOULD BE PROMPTLY AND PROPERLY

CONSTRUCTION SEQUENCE : INSTALL AND MAINTAIN ADEQUATE EROSION AIRO SEDIMENT CONTROL MEASURES DURING CONSTRUCTION

- INSTAIL CONSTRUCTION FENCING AROUND PERIMETER OF INFILTRATION AREA TO PREVENT CONSTRUCTION TRAFFIC FROM COMPACTING EXISTING STREAM APPLAS
- INSTALL UPSTREAM AND DOWNSTREAM CONTROL STRUCTURES, CLEANOUTS, STORAGE PIPE, AND ALL OTHER NECESSARY STORAGE PIPE. AND ALL OTHER NECESSARY STORAGE PIPE.
- COLIDAL STATE OF CONSTRUCTION CONTACT PRIMETER PRIOR TO THE TOTAL OF THE CONTACT PRIMETER AND SED ACCOSSINATE SHOULD BE PLACED IN ACCOMMENT THE STRUCTURES. AND SED ACCOSSINATE SHOULD BE PLACED IN ACCOMMENT OF STRUCTURES. GEOLECULE. SHOULD BE PLACED IN ACCOMMENCE WITH MANUFACTURES'S STANDARD AND RECOMMENDATIONS.
- CLEAN-WASHED, UNIFORMLY GRADED AGGREGATE SHOULD BE PLACED IN THE BED IN MAXMUM 85-RICH LIFES, EACH LAYER SHOULD BE LIGHTLY COMPACIED, WITH CONSTRUCTION EQUIPMENT KEPT OFF THE BED BOTTON
- APPROVED SOIL MEDIA OR PAVEMENT BASE COURSES SHOULD BE PLACED OVER DETENTION BED IN MAXIMUM 6-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 SEVER
INSPECTION REQUIREMENTS
I. ALL STORM COLLECTION STRUCTURES SHAUL BE INSPECTED ANNUALLY, OR
AFTER EACH RAMPAIL EVENT IN EXCESS OF TIMO (2") INCHES (MACOR
STORM EVENT), FOR TRASH, DEBRIS OR EVIDING CO POPE LEAKNOS, OR
SAGORIG, REMOVE TRASH OR DEBRIS IMMEDIATELY MIMEDIATELY REPAR
OR REPLACE LEAKNOS, ACCIONO BRAINAGE FEATURES.

- OR REPLACE LEANING/SACORIG ORANIAGE FEATURES.

 NERAL MAINTENANCE MOITES:
 ACCESS CAME TO DAMED TO EACH COLLECTION STRUCTURE. THROUGH THE
 BEDOVABLE NEET CRAFE OF MANIMOLE UP. STRUCTURE. OVER
 RUNGS HAVE BEEN INSTALLED ON THE INSIDE OF EACH STRUCTURE OVER
 FOUR FEET DEEP FOR ANY NECESSARY DETRY. GARTES AND LIDS SHALL
 BE DEPLACED SEMERAL MAINTENANCY AFTER BANDED SHALL
 BE DEPLACED SEMERAL SHOULD BE FROMETHY AND PROPERTY PROPERTY.
 COCCURRENCE, SHORIDE SHOULD BE FROMETHY AND PROPERTY PROPERTY.
 IF SEDIMENT/TRASH/DEBRIS SHOULD BE FROMETHY AND PROPERTY RESPONSE
 SYSTEM SHALL BE LETTED AND VACULABED TO REMOVE ALL
 SEDIMENT/TRASH/DEBRIS AND DISPOSED OF APPROPRIATELY.
 REFER TO WATER QUALITY NEET MAINTENANCE CUIDINES FOR
 ADDITIONAL BETALL HY CLEANING OF THOSE STRUCTURES WITH WATER
 QUALITY APPRAISALD SHEATHLED.

CRITICAL STAGES OF CONSTRUCTION A LICENSED ENGINEER OR HIS DESIGNEE SHALL BE PRINCENT TO GESERVE AND VERIFY INSTALLATION AND CONSTRUCTION OF THE POSHAL PLAN AT THE FOLLOWING CRITICAL

- accayangn and final grading of SNN (100).
 Placement of geotextile fabric, stone and distribution pipe inside SNN.
- giou.

 3. Restallation of water quality met feliers.

 4. Followic Construction, enomeer to verify that all posa baps are installed, functioning, and have not been impacted by construction activities.

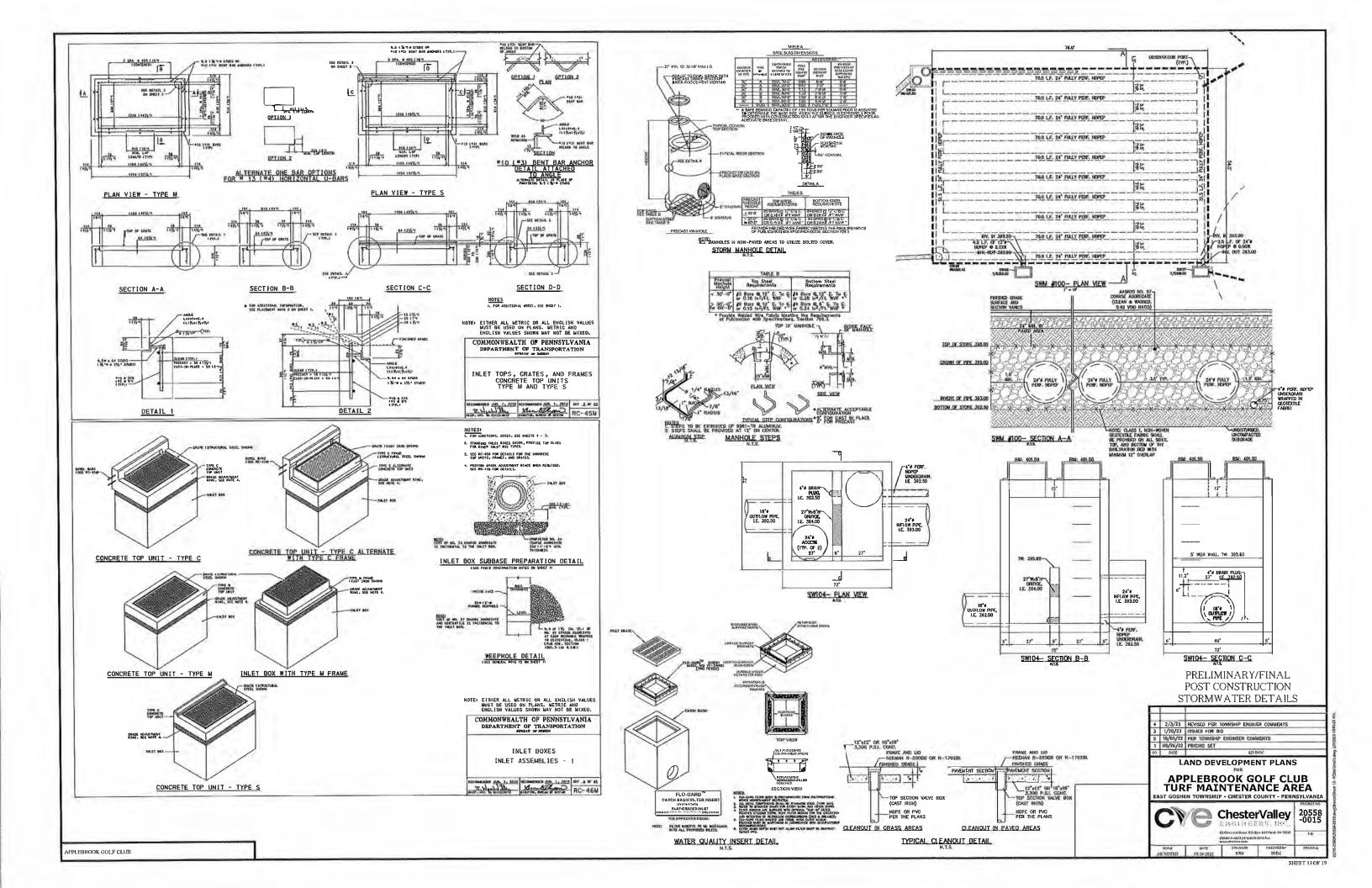
PRELIMINARY/FINAL OPERATIONS AND MAINTENANCE PLAN

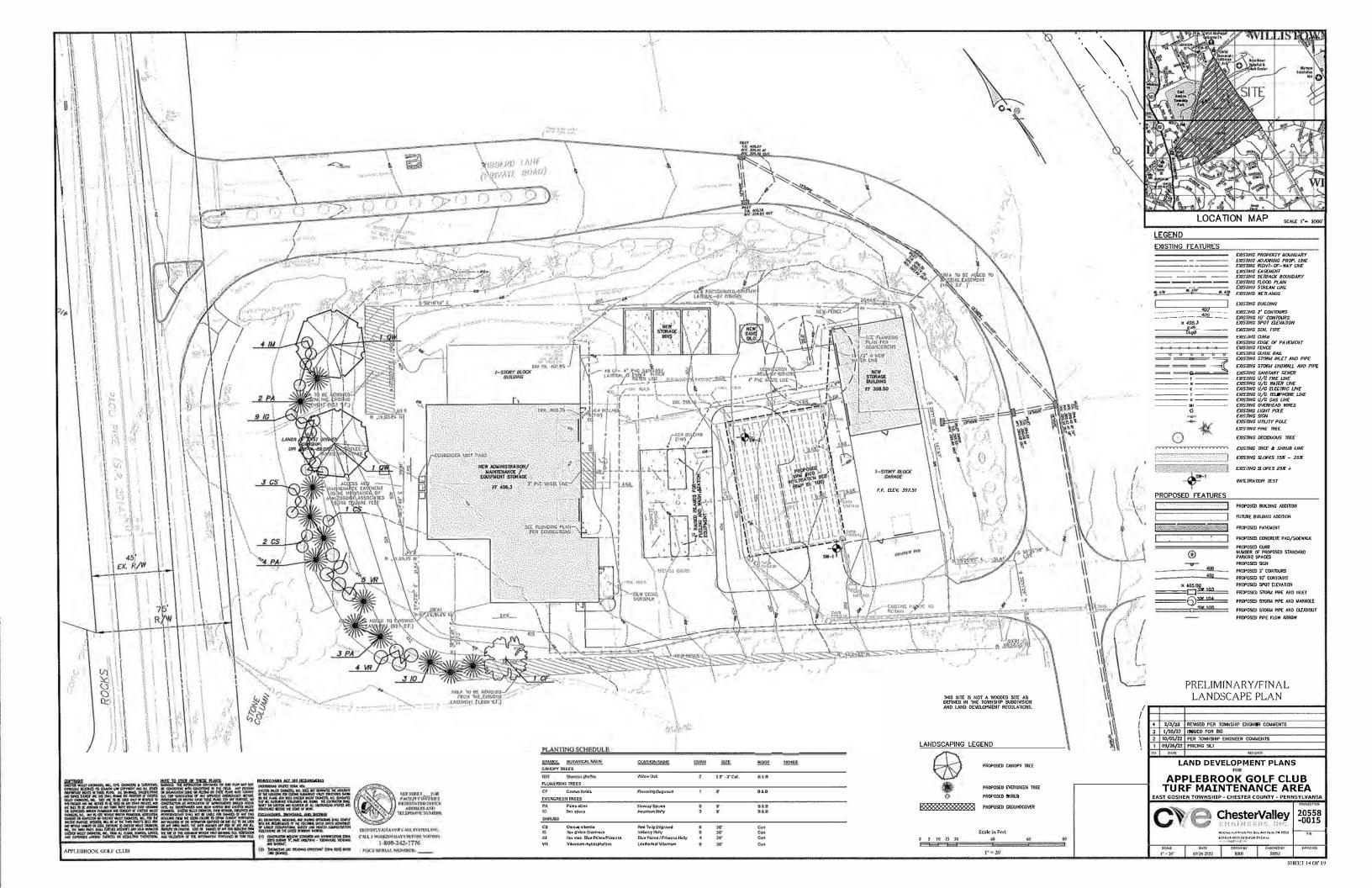
	PERSONAL PROPERTY.	STOUDING & STOUD OF THE STOUD O
4	2/3/23	REVISED PER TOWNSHIP ENGINER COMMENTS
3	1/20/23	ISSUED FOR BID
2	10/05/22	PER TOWNSHIP ENGINEER COUNTRY'S
1	09/25/22	PRICING SET
40	Dave	ED/Elén

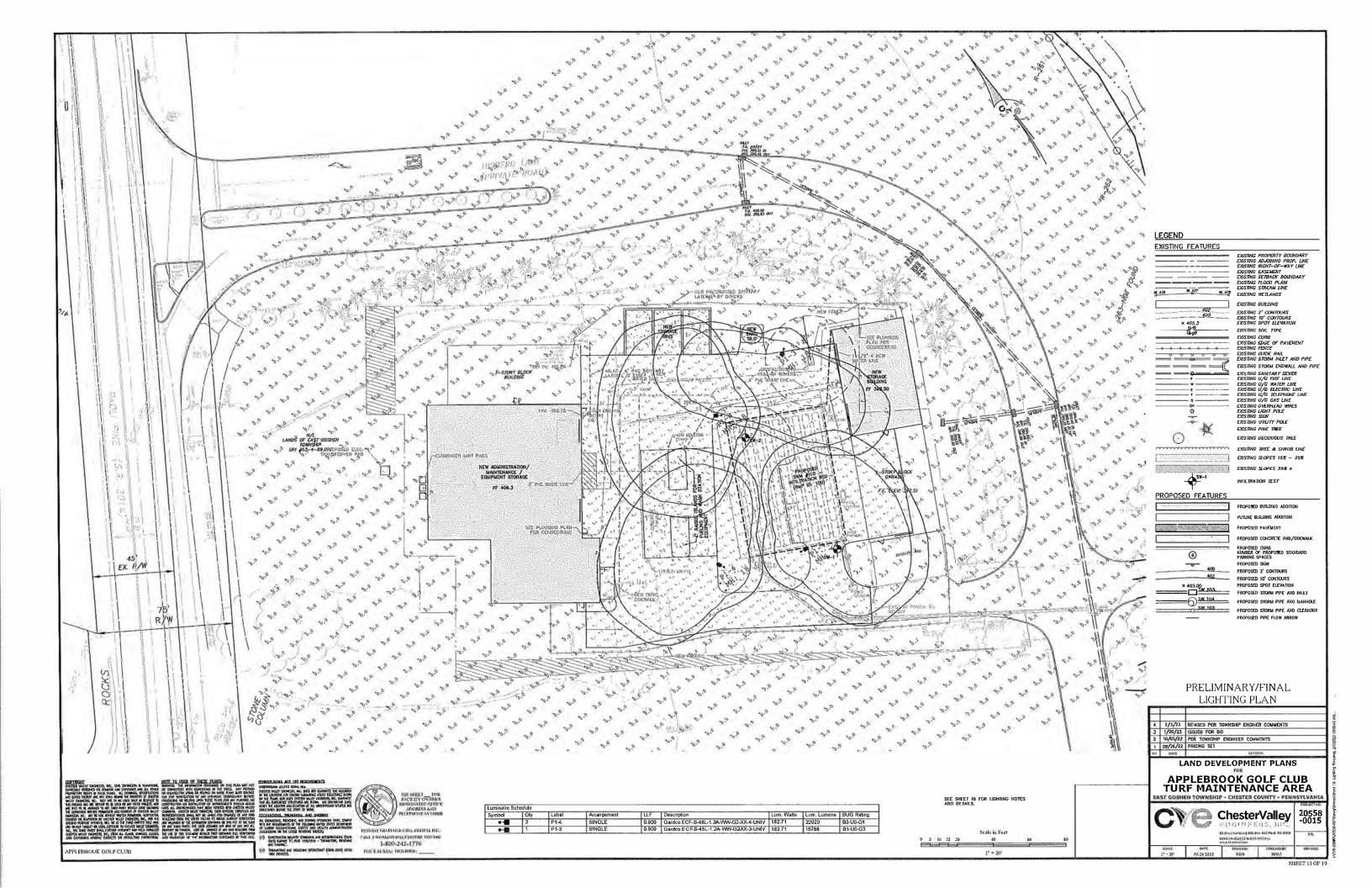
LAND DEVELOPMENT PLANS APPLEBROOK GOLF CLUB

TURF MAINTENANCE AREA AST GOSHEN TOWNSHIP - CHESTER COUNTY - PENNSYLVANI

ChesterValley 20558 -0015 SCALE DATE DRANNET CHECKED BY AS NOTED 07:26-2022 RRB BIENT











The Gardco EcoForm Gen-2 luminaire features narrow spectrum amber LEDs combined with special shielding, making it a wildliferfiendly lighting solution. EcoForm features an Innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most evisting poles. Integral control systems available for further energy savings

Project:	
Location	
Cat No.	
Type:	
Qty:	
Notes :	

Ordering gulde

example: ECF-S-64L-600-AM-G2-AR-5-120-FWC-MG1

ECF-S	1	Notes of LCs	Brus Carrett	AM-G2	Was y	Darteballan	Volume
	Ecoform site and area, wildfile	32L 32LEDs (7 moddes) 48L 45LEDs (3 moddes) 54L 64 LEDs (4 moddes)	400 400mA 600 600mA	AH-GZ Direct Amber comma Sylven nature speciment LE George Alico :	(standard) The following mounting	Ippa2 2 1ppa2 Ippa3 3 1ppa3 Ippa4 4 1ppa4 Ippa5 5 1ppa5 5w 1ppa5w	120 174W/ 208 285Y/ 240 2407/ 277 277W 347 347V 480 480Y/ 1010V 120-227W (50-6041) HVU 347-420Y/ (50-6041)
Options Dismong pas	treb)	1	Nation tensing lans	Facto serving	ac re	Levin .	(PAN)
DOY PARCY: BLY:- CHIEGO: CHIEGO:	Por control by others) Third Adjustable Pretisje Selector Bi-Awit functionality Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-B		INCLUSE Amegine with a Silvers SHOUT'S Integral with a Silvers	Dutton TLROS* Friest Lock Receptacle 5 Pin TLROS* Friest Lock Receptacle 7 Pin TLROC* Friest Lock Receptacle av Printered	Society F Single (100, 277, 3477/AC) F Single (100, 240, 3477/AC) F Single (100, 2477/AC)	(c) product 18 forminal Block 8FA* Round Pole Adapter (fits to 3*-3 9* 0 0 pole) FWC* Wildlife Friend)	RAL Specify optional

ECF-4_Einform_FAC 08/21 page 1cf 5

- D TUPS TUPS and TUPS recepture pint 46 5 are supposed in strain street with wind to 2000. That a mid to decreage street does not suppose the pint of t

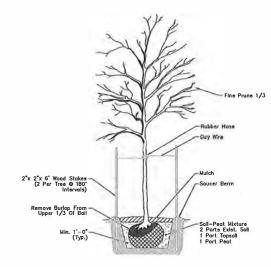
AREA LIGHTING CONTROLS

- 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.

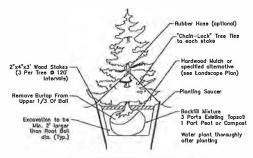
PLANTING NOTES

- 1 This Londscope Plan is intended to be used for landscoping purposes only.
- Londscope contractor shall inspect the site and become familiar with the planting area prior to the installation of any plant material.
- Plant material quantities listed for the convenience of the Contractor. Actual numbers of symbols shall take precedence over quantities listed in cases of conflict.
- The Londscope Contractor is responsible for supplying all materials, supplies, equipment and labor required to install the landscoping shown on these plans.
- 5. All plant material subject to approve by the Owner or Owners representative prior to installation. Plant material shall be nursery grown locally, freshly dug., shot be free of disease and pests, and shall be full and well shaped. Any material found to be unacceptable shall be replaced with acceptable material of an acceptable material of the owner.
- The Contractor shall advise the Landscope 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 Landscope Architect and/or Owner prior to installation.
- Plant material and installation shall be in accordance with the American Standard for Nursery Stack of the American Association of Nurserymen (as last revised) and with the general planting specifications of the municipality.
- All plant material shall be of the minimum size noted on the plans. Plant material shall be measured in accordance with the American Standard for Nursery Stack as lost revised.
- American Standard for nursery stack as last instead.

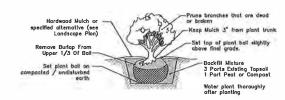
 9. All areas to be landscoped, especially next to building areas, shall be excavated of all building material, debris and poor soils to a minimum depth of 12"-18" and backfiled with a good, medium textured planting soil. All loan areas shall have a minimum of 4"-6" of losposil spread prior to seeding or sodding as may be specified. Areas adjacent to curbe and walks shall be crowned a minimum of 4" higher than the top of curb or walk to allow for settling, however finished grade immediately adjacent to the curb or walk shall be sufficiently depressed to down in the contract of any mulching or sad to be even with
- All borders between lown oreas and planting beds shall not have edging unless otherwise noted on the plans.
- Compocted existing soils shall be remediated with soil additives or soil replacement prior to planting.
- See Tree Plonting 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 balls. Remove all non-rot burlop and whine from all plant material prior to planting. Unlike all twine and/or burlop from the trunk of the plant material and drope down the root ball or remove from plant. Remove all plant cantalners prior to planting.
- 14. Prune all plant material after planting in accordance with the American Association of Nurserynen standards. Fine prune all plants to shope, but do not disligure plant material. Prune all dead branches from plant material.
- 15. Limb deciduous, high conopy (shode) trees to 6' obove grade.
- 16. All plontings shall be installed in the locations shown on the Londscope Plans. Minor odjustments for field conditions amy be required. Significant adjustments needs to be approved by the Owner prior to planting.
- Conopy trees to be placed a minimum of 30° from poved areas and walkways unless atherwise directed.
- 18. Contractor shall finel 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 roked smooth and even after the installation of the plant material and prior to multing. No plant material shall be installed and no roking shall occur if the salls are solurated or muldy.
- 19. Trees and shrubs to be planted slightly higher (2" max.) than the grade that the plants were grown at the nursery (roughly the top of the root 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 (mintm 10' from the center of the pipe). Contractor shall verify location of all underground utilities prior to starting work.
- Trees plonted in lown creos 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'.
- Shrub groupings shown on the Londscope plans shall be planted as a single bed.
- Mulch to be shredded hordwood bork. Prior to installation of the mulch, spread a pre-emergient herbicide.
- 24. Plant material 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 arrives 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 extraneous material and debris, broom sweep and wosh the area clean.
- 28. Contractor shall guarantee all plant material for a period of 2 years from the date of acceptance by the Oener. All plant material that does not survive the guarantee period shall be replaced by the Contractor. Dead plants shall be replaced an later than the next planting season.
- 29. Contractor shall natify the Owner upon the completion of the guarantee period and schedule a final inspection of the plant material and lean areas. At an before the final inspection, and the plant material as the plant material as needed unless atherwise directed by the Owner.
- 30. All areas disturbed by construction activities that are not shown to be planting beds on the Landscape Plans, shall be seeded as lawn areas per the seeding specifications on these plans.
- Contractor shall provide all topsoll, fertilizers and other additives as required unless otherwise directed by the Owner. All materials used shall be as spedified or better.
- 32. Contractor shall be responsible for the mointenance of the plant moterful until such time as the project is accepted by the Chancz. Mointenance shall include, but is not limited to, watering, fertilizing, pruning, mowing and weeding.
- 33. Contractor shall provide the Owner with written instructions regarding the care of the plant material and any special



TYPICAL DECIDUOUS TREE PLANTING



TYPICAL EVERGREEN TREE PLANTING



TYPICAL SHRUB PLANTING

PRELIMINARY/FINAL LANDSCAPE & LIGHTING DETAILS

-					
4	2/3/23	REVISED PER	TOWNSHIP ENGIN	ER CONKENTS	
3	1/20/23	ILSSED. FOR E	BI_D		
2	10/05/22	PER TOWNSHIP	P ENGINEER COM	MENTS	
1	09/26/22	P RCING SET			
200	DATE		\$2Y1	TRON	
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E/	TUR	F MAI		NCE A	REA
E/	TUR	F MAI	NTENA	NCE A OUNTY - PEN rValley	REA NSYLVANIA PAOJECTIO 20558
E	TUR	F MAI	NTENA P - CHESTER C Cheste	NCE A COUNTY - PEN rValley RS, INC., 8449,654 FADS	REA INSYLVANIA FAGISCI 100 20558 -0015

APPEERROOK GOLF CLUB