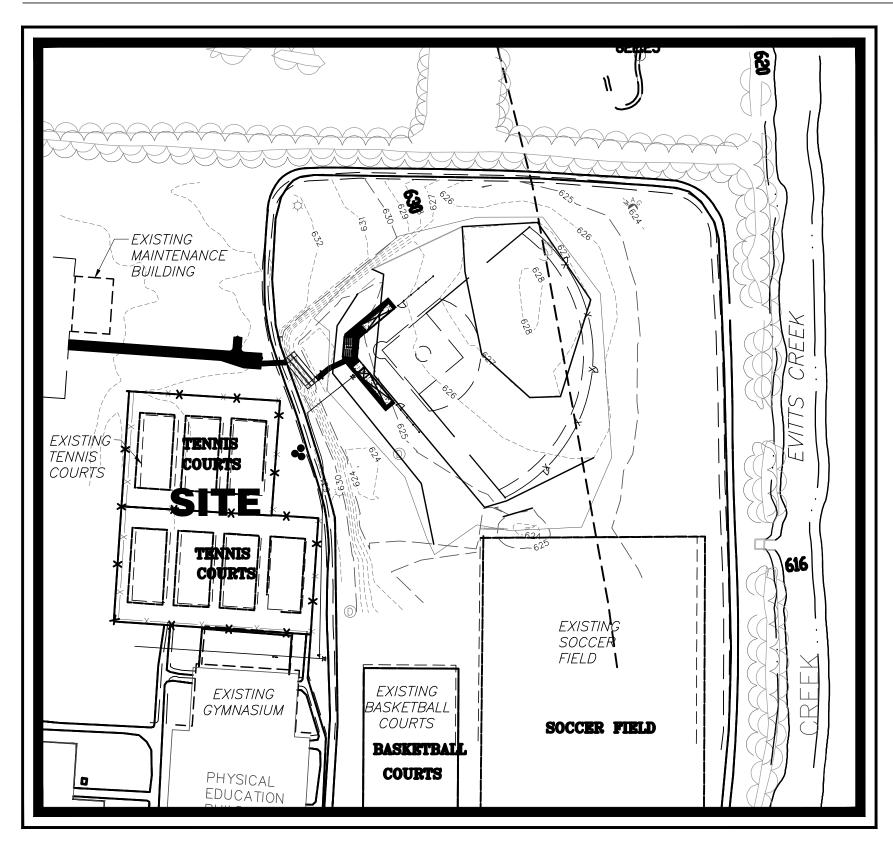
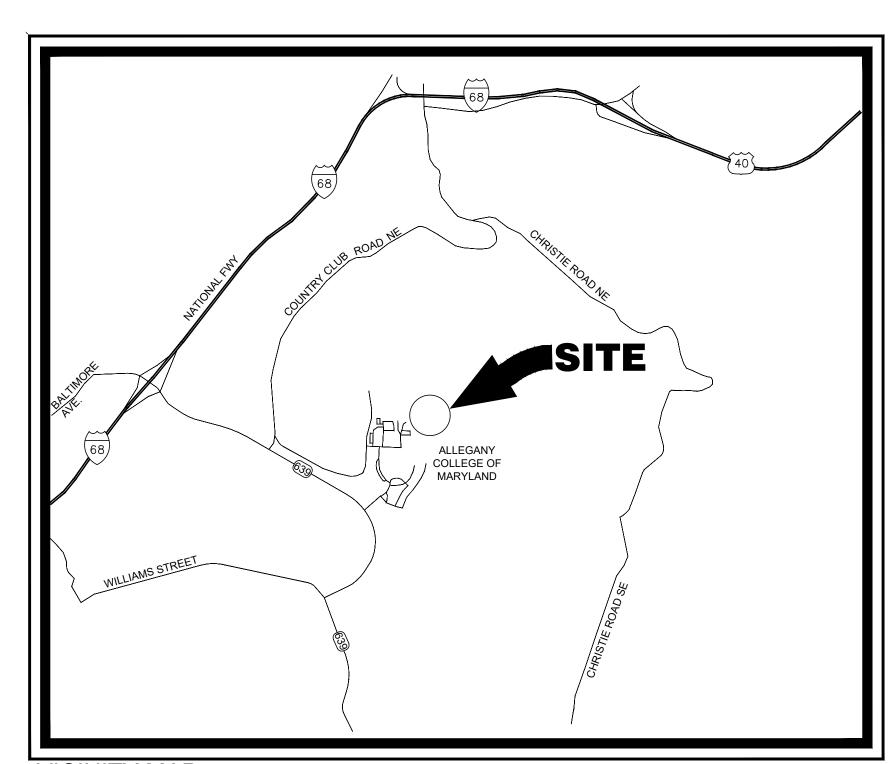
SITE DEVELOPMENT PLAN FOR ALLEGANY COLLEGE OF MARYLAND - TENNIS COURT RENOVATION

CUMBERLAND, ALLEGANY COUNTY, MD.

LOCATION MAP:



SCALE: 1" = 100'



VICINITY MAP: SCALE: 1"=2,000'

SITE DATA:

TYPE OF USAGE: COLLEGE ACREAGE: 308.49 ACRES **ZONING: RO- RESIDENTIAL OFFICE** 12401 WILLOWBROOK ROAD PHYSICAL ADDRESS:

PURPOSE OF PLAN: TENNIS COURT RENOVATION

STORMWATER QUALITY: N/A STORMWATER QUANTITY: **DISTURBED AREA:** 1.29 ACRES

SHEET INDEX:

COVER SHEET	C.1.0
EXISTING CONDITIONS	
SITE PLAN	
SITE PLAN ADD-ALTERNATES	
EROSION/SEDIMENT CONTROL	
SITE NOTES AND DETAILS	
SITE DETAILS	

PROJECT CONTACTS:

DEVELOPER: ALLEGANY COLLEGE OF MARYLAND ADDRESS: 12401 WILLOWBROOK ROAD CUMBERLAND, MD. 21502 CONTACT: **ADAM PHIPPS**

OWNER: ALLEGANY COLLEGE OF MARYLAND ADDRESS: 12401 WILLOWBROOK ROAD CUMBERLAND, MD. 21502

301-784-5195

CONTACT: SHEILA DYCHE PHONE NUMBER: 301-784-5195

GENERAL NOTES:

- 1. TAX MAP 0026, GRID 012, PARCEL 0035
- 2. ELECTION DISTRICT: 22

PHONE NUMBER:

- 3. DEED REFERENCE: BEING ALL OF THE LANDS CONVEYED BY WILLARD J. AND JEAN ALMA MOORE UNTO ALLEGANY COMMUNITY COLLEGE., BY DEED DATED DECEMBER 28,1967 AND RECORDED AMONG THE LAND RECORDS OF ALLEGAN' COUNTY, MARYLAND IN LIBER 415, AT FOLIO 147.
- 4. SITE AREA =308.491 AC.±
- 5. TOPOGRAPHIC FEATURES SHOWN HEREON WERE DERIVED FROM A TOPOGRAPHIC SURVEY PERFORMED BY TRIAD ENGINEERING, INC. DATED NOVEMBER, 4, 2020.
- 6. UTILITY INFORMATION WAS PROVIDED BY OWNER.
- 7. SITE IS ZONED "RO" RESIDENTIAL OFFICE PER THE OFFICIAL ZONING MAP CITY OF CUMBERLAND, MD. 8. EXISTING AND PROPOSED USAGE IS A PUBLIC COLLEGE.
- 9. THE PURPOSE OF THIS PLAN IS FOR THE COMPLETE RENOVATION OF THE TENNIS COURTS.
- 10. MINIMUM REQUIREMENTS PER 6.03 DEVELOPMENT REGULATIONS OF THE CITY OF CUMBERLAND ZONING ORDINANCE: a. LOT REQUIREMENTS: MINIMUM LOT AREA: 12.000 S.F.
 - MINIMUM LOT WIDTH: 100'
- b. FRONT BUILDING SETBACK LINES: 30'
- c. SIDE BUILDING SETBACK LINES: 15'
- d. REAR BUILDING SETBACK LINES: 35'

PROJECT NOTES:

- 1. SUBSURFACE INVESTIGATION HAS BEEN PERFORMED BY TRIAD ENGINEERING, INC. ON NOVEMBER 12, 2020 TO DETERMINE THE EXISTENCE OR LOCATION OF GROUND WATER, ROCK, OR OTHER NATURAL OR MAN-MADE FEATURES. EXCEPT AS SPECIFICALLY INDICATED. NO ENVIRONMENTAL STUDIES HAVE BEEN CONDUCTED BY OUR FIRM.
- 2. EXISTING UTILITY INFORMATION SHOWN HEREON IS FROM NUMEROUS SOURCES INCLUDING, BUT NOT LIMITED TO PROPERTY OWNER, UTILITY OWNER, PAST SITE PLANS AND DRAWINGS AND LOCATION OF SURFACE FEATURES. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AND ANY OTHER UTILITY AND SUBSURFACE INVESTIGATIVE SERVICES AT (1-800-257-7777) A MINIMUM OF 48 HOURS BEFORE BEGINNING ANY WORK SHOWN ON THESE DRAWINGS.ANY DAMAGE TO UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE UTILITY OWNER. HAND PIT EXCAVATION SHALL BE PROVIDED AS NEEDED BY CONTRACTOR TO LOCATE EXISTING UNDERGROUND UTILITIES.
- 3. THE CONTRACTOR SHALL NOTIFY THE APPLICABLE MUNICIPAL, COUNTY AND/OR STATE AUTHORITIES AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK WITHIN PUBLIC RIGHT (S)
- 4. THE CONTRACTOR SHALL VERIFY ALL SURFACE AND SUBSURFACE CONDITIONS (LOCATIONS AND ELEVATIONS) PRIOR TO BIDDING AND START OF CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER AND/OR ENGINEER BEFORE PROCEEDING IF THEY AFFECT THE DESIGN FEASIBILITY OF THIS PROJECT. ANY DAMAGE TO FACILITIES, STRUCTURES, PAVEMENT OR OTHER MAN-MADE ITEMS ON OR ADJACENT TO THE SITE OR NOT SPECIFICALLY INDICATED FOR DEMOLITION SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR COMPLYING WITH ALL APPLICABLE LEGAL AND REGULATORY REQUIREMENTS. CONTRACTOR SHALL OBTAIN ANY BONDS REQUIRED BY TOWN FOR WORK WITHIN TOWN RIGHT-OF-WAYS.
- 6. TEMPORARY EROSION CONTROL MEASURES WILL BE USED TO CORRECT CONDITIONS THAT DEVELOP DURING CONSTRUCTION THAT ARE UNFORESEEN DURING THE DESIGN STAGE OR THAT ARE NEEDED TO TEMPORARILY CONTROL EROSION THAT DEVELOPS DURING NORMAL CONSTRUCTION PRACTICES.
- 7. TRIAD ENGINEERING, INC. WILL NOT BE RESPONSIBLE FOR ANYTHING TO DO WITH CONSTRUCTION UNLESS CONTRACTED BY THE OWNER OR CONTRACTOR TO PERFORM A
- 8. JOB SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 9. NO TITLE REPORT HAS BEEN CONDUCTED BY THIS COMPANY OR FURNISHED TO US BY OTHERS. PROPERTY LINE INFORMATION HAS BEEN TAKEN FROM DEED (S) OF RECORD AND
- 10. IT SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER AND/OR DEVELOPER TO OBTAIN ALL NECESSARY EASEMENTS AND/OR RIGHT OF WAYS NECESSARY IN ORDER TO COMPLETE THE PROJECT SHOWN ON THESE PLANS. TRIAD ENGINEERING, INC. WILL ASSUME NO RESPONSIBILITY OR LIABILITY ASSOCIATED WITH THE ACQUIRING OF OFFSITE
- 11. SITE CONTRACTOR MAY HAVE TO MODIFY FINISH GRADES SHOWN NEXT TO BUILDINGS DUE TO TYPE OF WALL CONSTRUCTION PROVIDED. GENERALLY A MINIMUM FINISH GRADE 6 INCHES BELOW FINISH FLOOR FOR MASONRY CONSTRUCTION AND 12 INCHES BELOW FINISH FLOOR FOR WOOD/SIDING CONSTRUCTION SHOULD BE MAINTAINED. CONTRACTOR MUST PROVIDE POSITIVE SURFACE DRAINAGE AWAY FROM ALL UNITS.
- 12. IF A STORMWATER MANAGEMENT STRUCTURE IS PRESENT ON THIS SITE, CONSTRUCTION INSPECTION AND AS-BUILT CERTIFICATION OF THIS STRUCTURE OR STRUCTURES BY A REGISTERED PROFESSIONAL ENGINEER WILL BE REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE INSPECTING ENGINEER PRIOR TO THE START OF CONSTRUCTION IN ORDER TO DETERMINE WHEN INSPECTIONS WILL BE REQUIRED. IT SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER WHEN THE STRUCTURE HAS BEEN COMPLETED AND STABILIZED IN ORDER THAT THE AS-BUILT SURVEY MAY BE PERFORMED. STABILIZATION IS DEFINED AS HAVING A STAND OF
- GRASS OR OTHER SUITABLE VEGETATIVE COVER AS SPECIFIED ON THESE PLANS. 13. FINAL APPROVAL OF A STORMWATER MANAGEMENT STRUCTURE MUST BE GRANTED BY THE APPROPRIATE GOVERNMENT AGENCY/AGENCIES. APPROVAL BY THE INSPECTING ENGINEER DOES NOT GUARANTEE THAT ADDITIONAL WORK WILL NOT HAVE TO BE PERFORMED ON A STORMWATER MANAGEMENT STRUCTURE IN ORDER FOR IT TO COMPLY WITH THE STANDARDS OF THE GOVERNMENT AGENCY OR AGENCIES THAT ARE RESPONSIBLE FOR APPROVING THE STRUCTURE. TRIAD ENGINEERING, INC., ITS PERSONNEL AND ITS SUBCONTRACTORS WILL NOT BE LIABLE FOR ANY ADDITIONAL WORK ASSOCIATED WITH A STORMWATER MANAGEMENT STRUCTURE IN ORDER TO HAVE IT CONFORM TO
- 14. ALL SPECIFICATIONS SHOWN HEREIN SHALL BE USED AND LOCAL, STATE AND FEDERAL SPECIFICATIONS SHALL BE MINIMUM STANDARD.

DEVELOPER:

ALLEGANY COLLEGE OF MARYLAND C/O SHEILA DYCHE 12401 WILLOWBROOK ROAD CUMBERLAND, MD 21502 PHONE: 301.784.5000

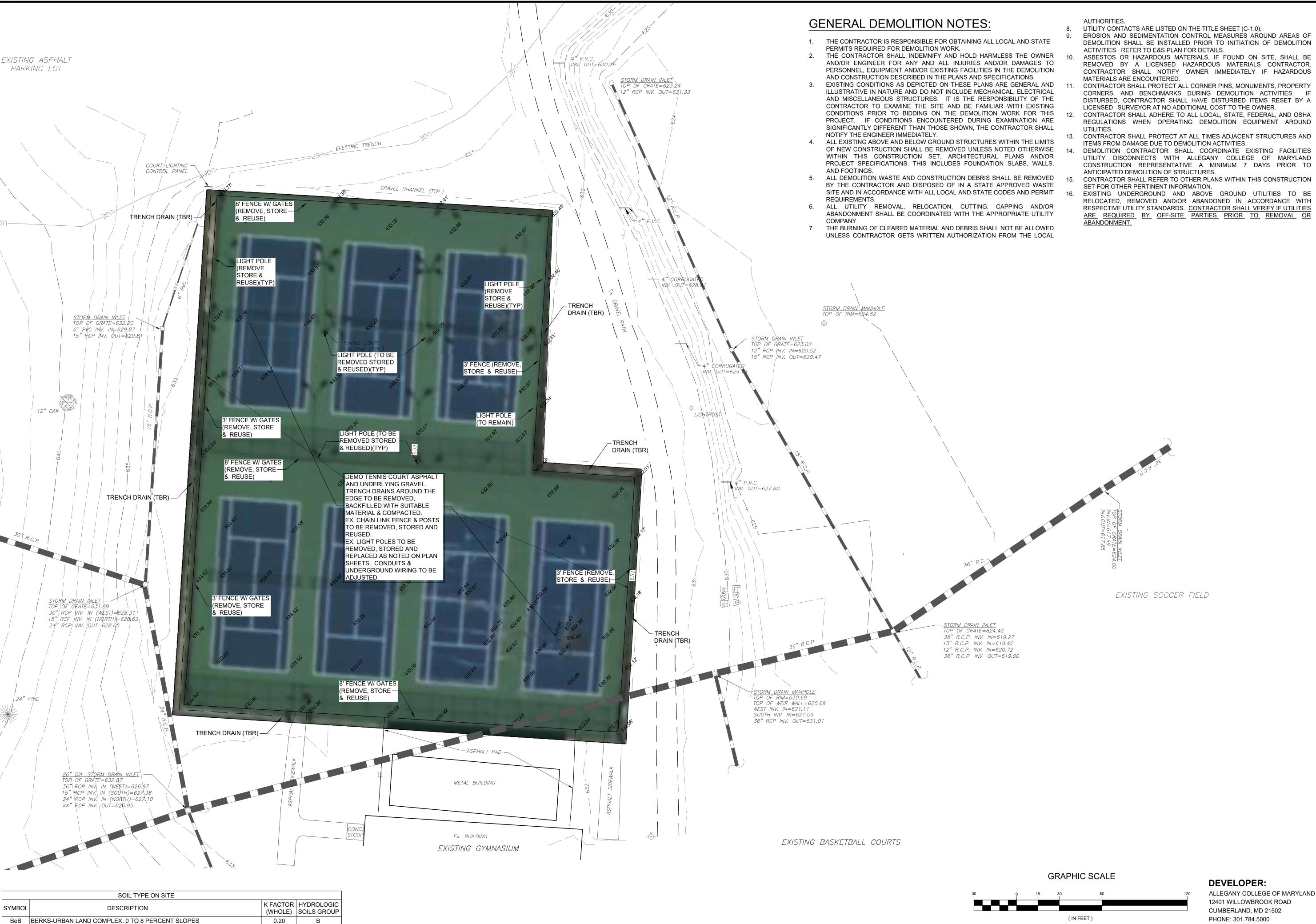
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TRIAD

DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A NGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.



JOB NO.: 03-20-0760



LnA LINDSIDE SILT LOAM, 0 TO 3 PERCENT SLOPES, OCCASIONALLY FLOODED

0.37

ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS **ENGINEERING,**

CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A

CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL, AND OSHA REGULATIONS WHEN OPERATING DEMOLITION EQUIPMENT AROUND

DEMOLITION CONTRACTOR SHALL COORDINATE EXISTING FACILITIES UTILITY DISCONNECTS WITH ALLEGANY COLLEGE OF MARYLAND CONSTRUCTION REPRESENTATIVE A MINIMUM 7 DAYS PRIOR TO

CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION

EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES TO BE RELOCATED, REMOVED AND/OR ABANDONED IN ACCORDANCE WITH RESPECTIVE UTILITY STANDARDS. CONTRACTOR SHALL VERIFY IF UTILITIES

ARE REQUIRED BY OFF-SITE PARTIES PRIOR TO REMOVAL OR

1 inch = 30 ft.

TRIAD ENGINEERING, INC

HEREBY CERTIFY THAT THESE OCUMENTS WERE PREPARED OR

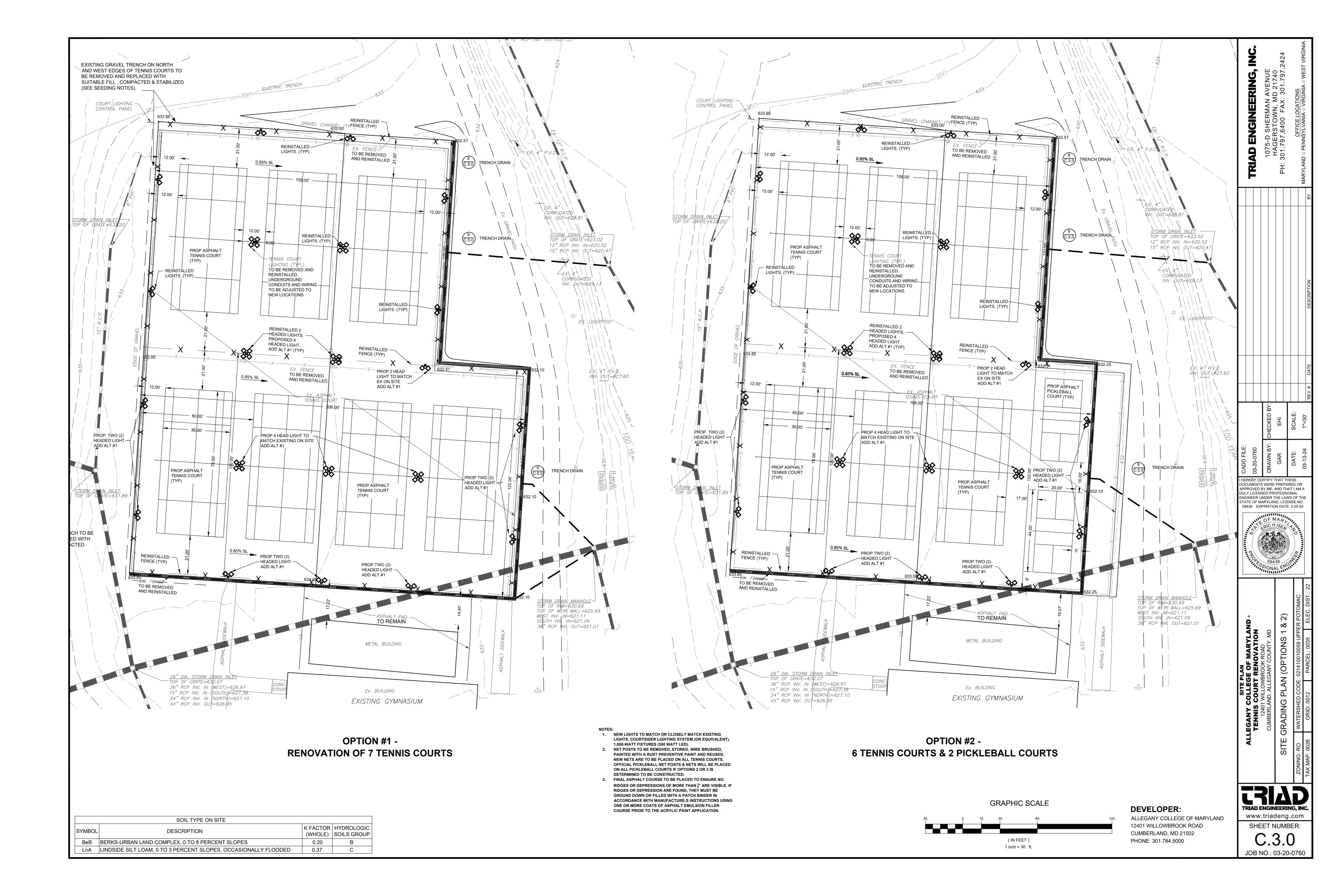
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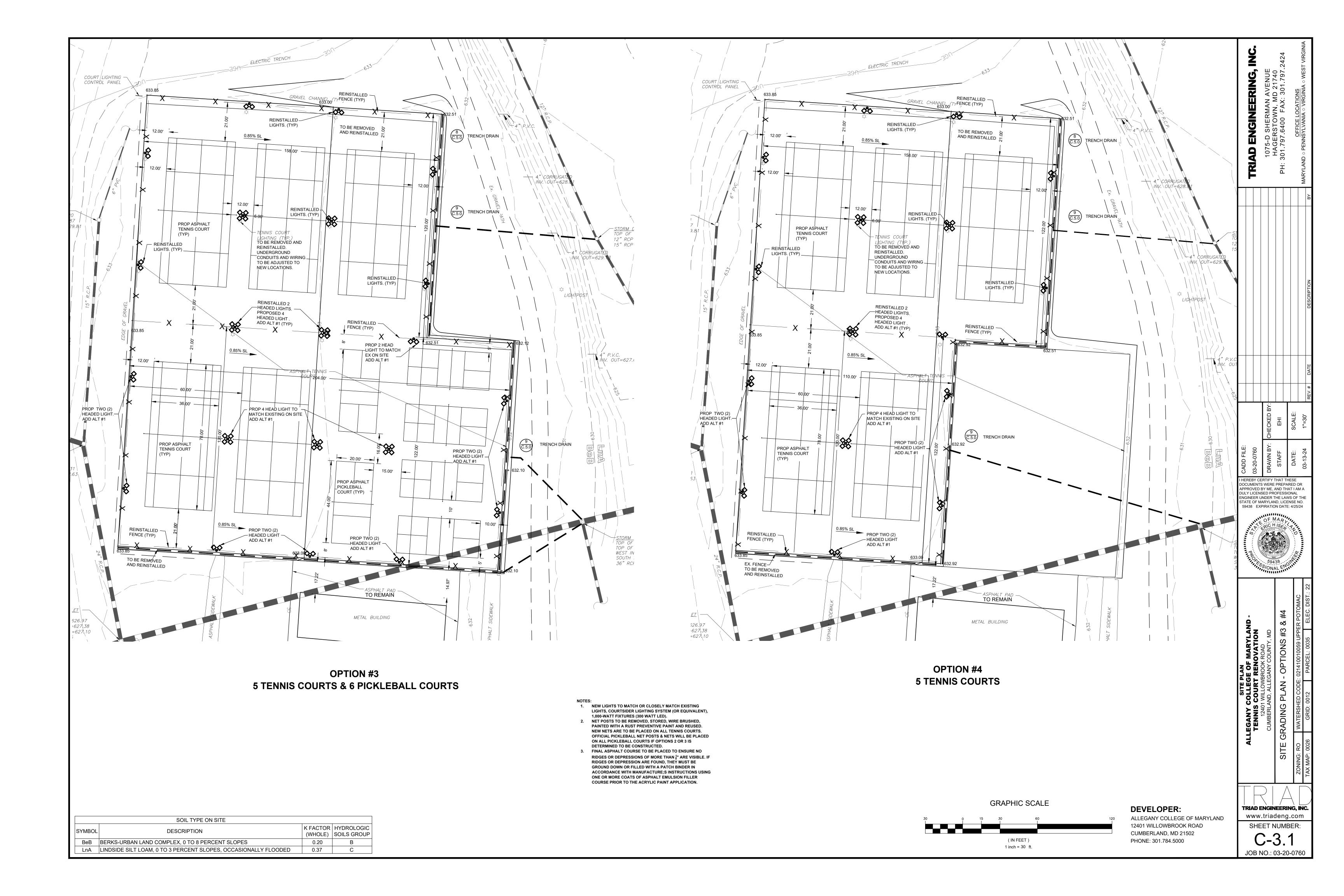
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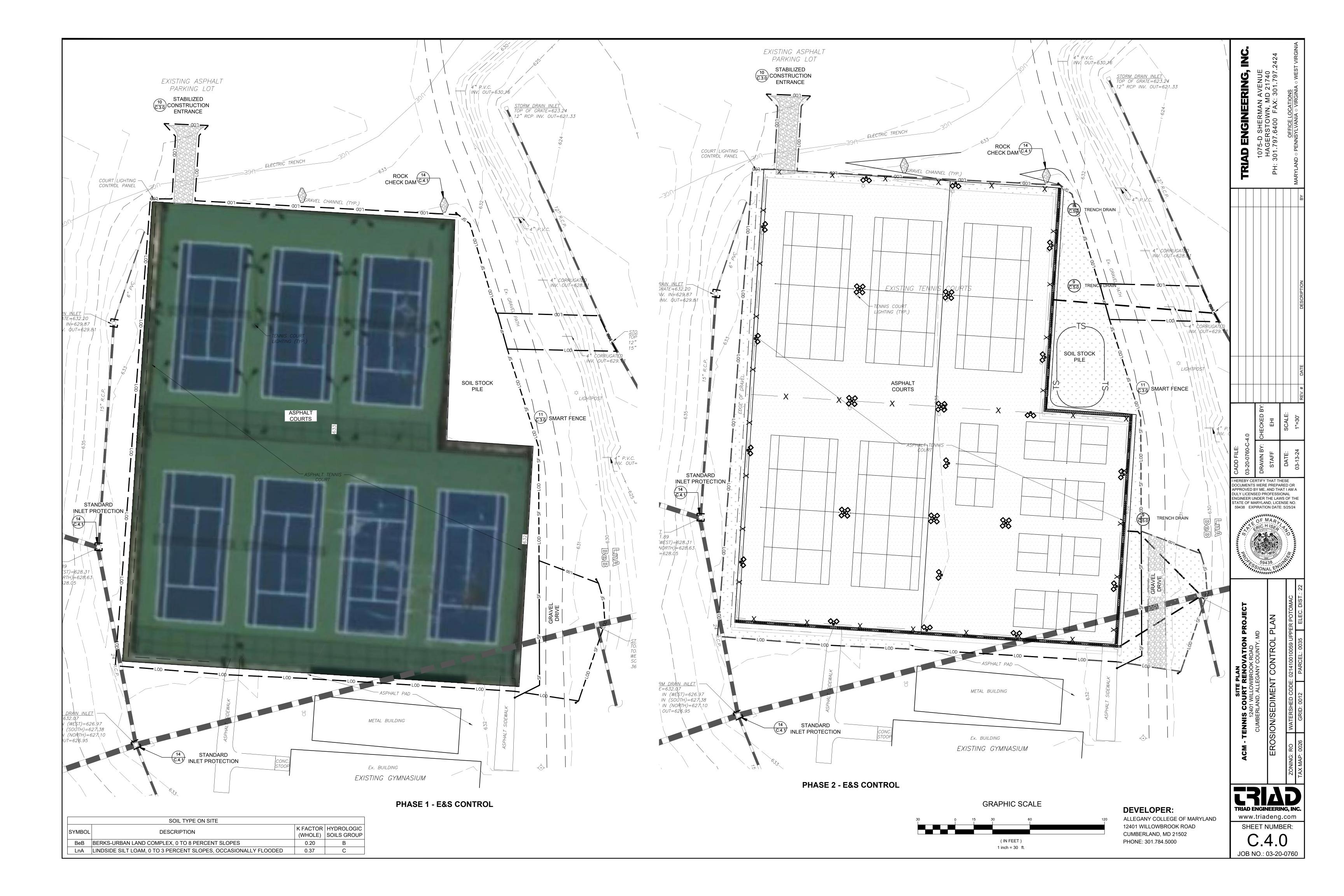
NGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 59438 EXPIRATION DATE: 5/25/24

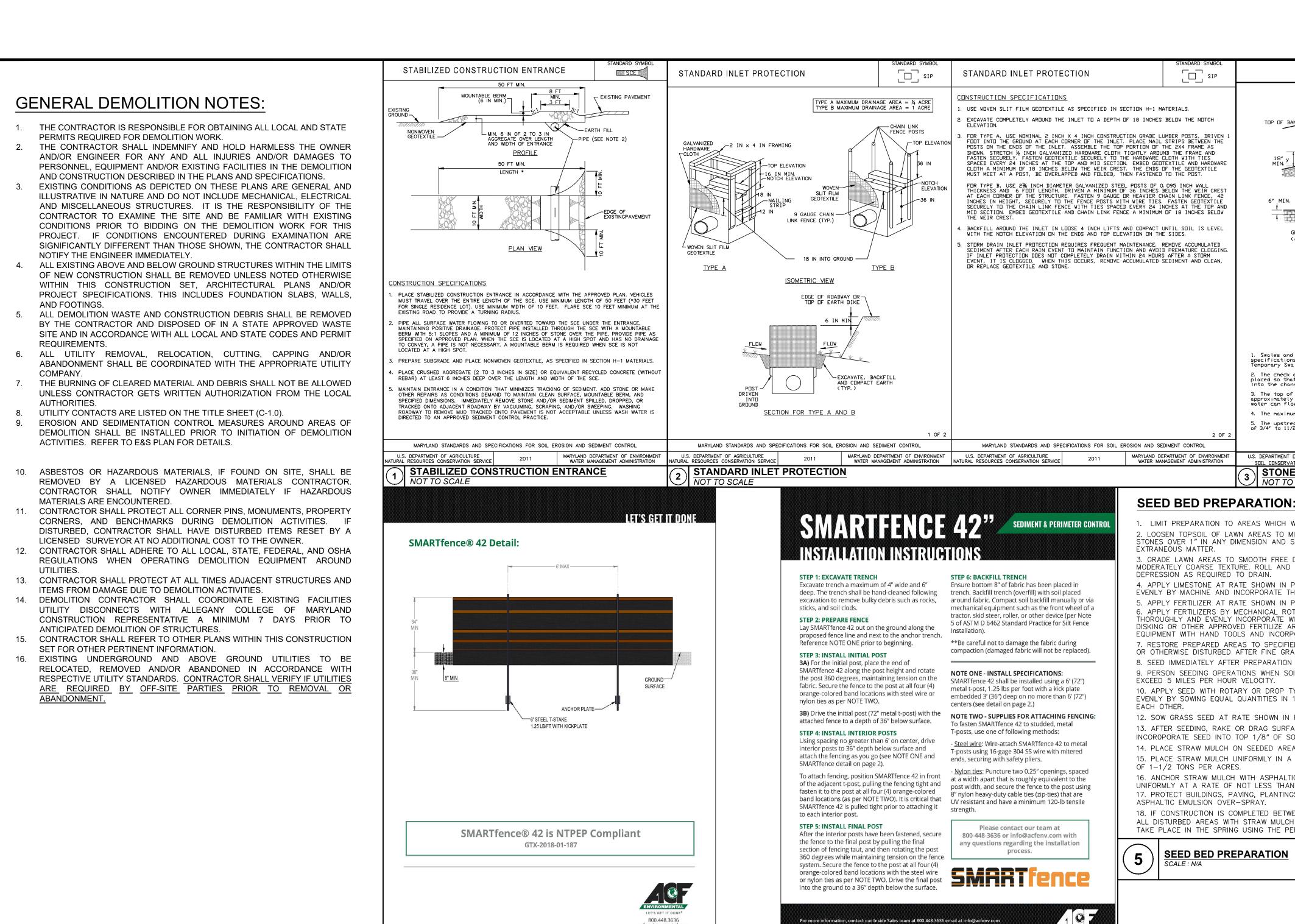
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STONE CHECK DAM

DITCH PROFILE

CROSS SECTION

Construction Specifications

2. The check dam shall be constructed of 4'-7' stone. The stone shall be placed so that it completely covers the width of the channel and keyed into the channel banks.

3. The top of the check dam shall be constructed so the the center is approximately 6' lower than the outer edges, forming a weir that water can flow across.

4. The maximum height of the check dam at the center shall not exced 2".

5. The upstream sideof the check dam shall be lined with approximately 1° of 3/4° to 11/2° crushed aggregate.

SPACING

waterway design

STANDARD STONE CHECK DAM DESIGN

4'(MIN. WEIR

GEOTEXTILE CLASS 'C'

(optional) —

1. LIMIT PREPARATION TO AREAS WHICH WILL BE IMMEDIATELY SEEDED. . LOOSEN TOPSOIL OF LAWN AREAS TO MINIMUM DEPTH OF 4". REMOVE TONES OVER 1" IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND EXTRANEOUS MATTER.

3. GRADE LAWN AREAS TO SMOOTH FREE DRAINING EVEN SURFACE WITH LOOSE, MODERATELY COARSE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL

U.S. DEPARTMENT OF AGRICULTURE

3 STONE CHECK DAM DETAIL NOT TO SCALE

DEPRESSION AS REQUIRED TO DRAIN. 4. APPLY LIMESTONE AT RATE SHOWN IN PERMANENT SEED MIXTURE DISTRIBUTE EVENLY BY MACHINE AND INCORPORATE THOROUGHLY INTO TOPSOIL. 5. APPLY FERTILIZER AT RATE SHOWN IN PERMANENT SEED MIXTURE. . APPLY FERTILIZERS BY MECHANICAL ROTARY OR DROP TYPE DISTRIBUTOR, THOROUGHLY AND EVENLY INCORPORATE WITH SOIL TO A DEPTH OF 3" BY

DISKING OR OTHER APPROVED FERTILIZE AREAS INACCESSIBLE TO POWER EQUIPMENT WITH HAND TOOLS AND INCORPORATED INTO SOIL. 7. RESTORE PREPARED AREAS TO SPECIFIED CONDITION OF ERODED, SETTLED, OR OTHERWISE DISTURBED AFTER FINE GRADING AND PRIOR TO SEEDING.

8. SEED IMMEDIATELY AFTER PREPARATION OF BED. 9. PERSON SEEDING OPERATIONS WHEN SOIL IS DRY AND WHEN WINDS DO NOT EXCEED 5 MILES PER HOUR VELOCITY. 10. APPLY SEED WITH ROTARY OR DROP TYPE DISTRIBUTOR. INSTALL SEED

EVENLY BY SOWING EQUAL QUANTITIES IN 11. DIRECTIONS, AT RIGHT ANGLES TO 12. SOW GRASS SEED AT RATE SHOWN IN PERMANENT SEED MIXTURE. 13. AFTER SEEDING, RAKE OR DRAG SURFACE OF SOIL LIGHTLY TO

INCOROPORATE SEED INTO TOP 1/8" OF SOIL. ROLL WITH LIGHT LAWN ROLLER. 14. PLACE STRAW MULCH ON SEEDED AREAS WITHIN 24 HOURS AFTER SEEDING. 15. PLACE STRAW MULCH UNIFORMLY IN A CONTINUOUS BLANKET AT THE RATE OF 1-1/2 TONS PER ACRES.

16. ANCHOR STRAW MULCH WITH ASPHALTIC EMULSION BINDER APPLIED UNIFORMLY AT A RATE OF NOT LESS THAN 200 GAL.PER ACRES. 17. PROTECT BUILDINGS, PAVING, PLANTINGS, AND ALL NONSEEDED AREAS FROM ASPHALTIC EMULSION OVER-SPRAY. 18. IF CONSTRUCTION IS COMPLETED BETWEEN OCT. AND MARCH 15, STABILIZE

ALL DISTURBED AREAS WITH STRAW MULCH APPLIED AT 3 TON/AC. SEEDING TO TAKE PLACE IN THE SPRING USING THE PERMANENT MIXTURE SHOWN HEREON.

SEEDING NOTES

LIME:

3/4" TD 11/2" CRUSHED AGGREGATE (WASHED)

STANDARD SYMBOL

MARYLAND DEPARTMENT OF EN√IRONME

1. PERMANENT SEEDING MIXTURE KY 31 FESCUE 45 LB/AC RED FESCUE 20 LB/AC KY BLUEGRASS 25 LB/AC

WHITE DUTCH CLOVER 5 LB/AC FERTILIZER: RATE DETERMINED BY SOIL TEST 1.5 TONS STRAW PER ACRES ASPHALT: SS-1 OR EQUIVALENT 150 GAL. PER ACRES

(20 LBS. /ACRES CROWN VETCH WILL BE ADDED TO ABOVE SEEDING MIXTURE TO STABILIZE CRITICAL AREAS) RATE DETERMINED BY SOIL TEST.

2 <u>TEMPORARY SEEDING MIXTURE</u> SEED: ANNUAL RYEGRASS (LOLIUM MULTIFLORUM) 40 LB/AC OR (FEB 16-MAY 15 &

AUG 1-NOV 1) OR- WINTER RYE (SECALE CEREALE) 170 LB/AC (AUG 15-FEB 28)

OR-WINTER WHEAT (TRITICUM AESTIVUM 180 LB/AC (AUG 15- FEB 28) OR-JAPANESE MILLET (ECHINOCHLOA CRUSGALLI) 30 LB/AC (MAY

15-AUG 15) MULCHED DATES:5 TONS STRAW PER ACRE

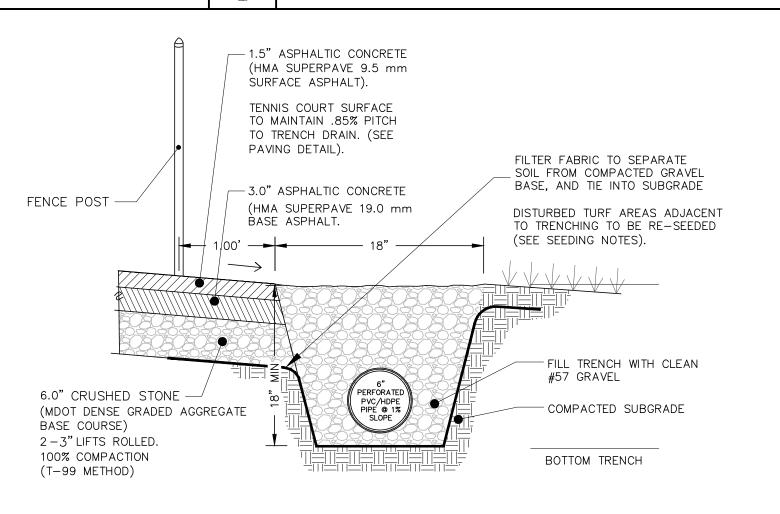
MARHALTST_SONE OBTHEQUIVALENT 150 GAL. PER ACRE AUGUST 15TH - SEPTEMBER 15TH

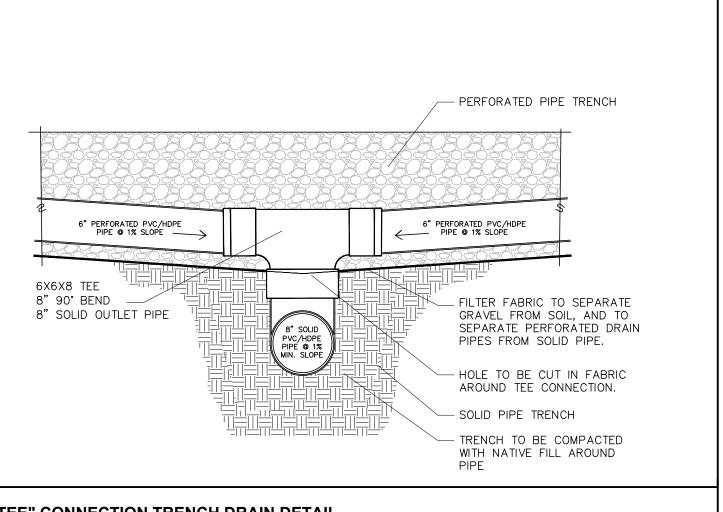
ALL AREAS SHALL BE PERMANENTLY SEEDED AND MULCHED WITHIN ONE (1) WEEK OF REACHING FINAL GRADE. IF IN SEEDING SEASON, OTHERWISE TEMPORARY SEEDING REQUIREMENTS SHALL BE MET. ALL AREAS SEEDED WITH A TEMPORARY MIXTURE WILL RECEIVE A PERMANENT SEED MIXTURE DURING THE FIRST GROWING SEASON FOLLOWING THE FINISHED GRADING. AREAS WITH PERMANENT SLOPES OF :1 OR GREATER SHALL BE STABILIZED USING CROWN VETCH. AS PER THE

REQUIREMENTS OF STANDARD AND SPECIFICATIONS FOR CRITICAL AREAS STABILIZATION (WITH GROUND COVERS, VINES, SHRUBS, AND TREES).

SEEDING NOTES

SMART FENCE DETAIL





DEVELOPER:

ALLEGANY COLLEGE OF MARYLAND 12401 WILLOWBROOK ROAD CUMBERLAND, MD 21502 PHONE: 301.784.5000

TRIAD ENGINEERING, INC

HEREBY CERTIFY THAT THESE

DULY LICENSED PROFESSIONAL

□

DOCUMENTS WERE PREPARED OR

APPROVED BY ME, AND THAT I AM A

ENGINEER UNDER THE LAWS OF THE

59438 EXPIRATION DATE: 5/25/24

STATE OF MARYLAND LICENSE NO

ENGINEERING.

9

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PREPARED SUBGRADE

(T-99 METHOD)

100% MIN. COMPACTION

CONVENTIONAL PAVING SECTION NOT TO SCALE

-1.5" ASPHALTIC CONCRETE

(HMA SUPERPAVE 9.5 mm

3.0" ASPHALTIC CONCRETE

AGGREGATE BASE COURSE)

(HMA SUPERPAVE 19.0 mm BASE ASPHALT

- 6.0" CRUSHED STONE (MDOT DENSE GRADED

2-3" LIFTS ROLLED.

100% COMPACTION

(T-99 METHOD)

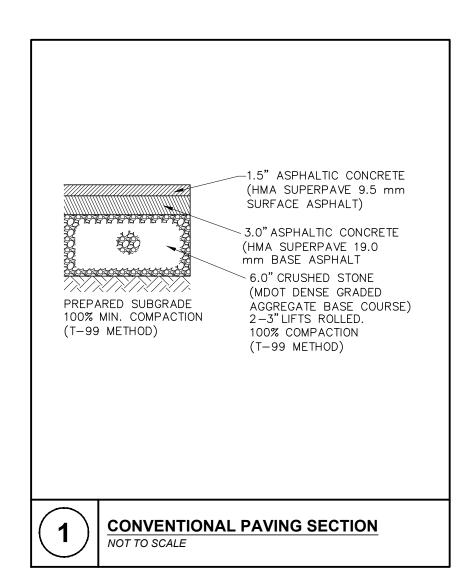
SURFACE ASPHALT)

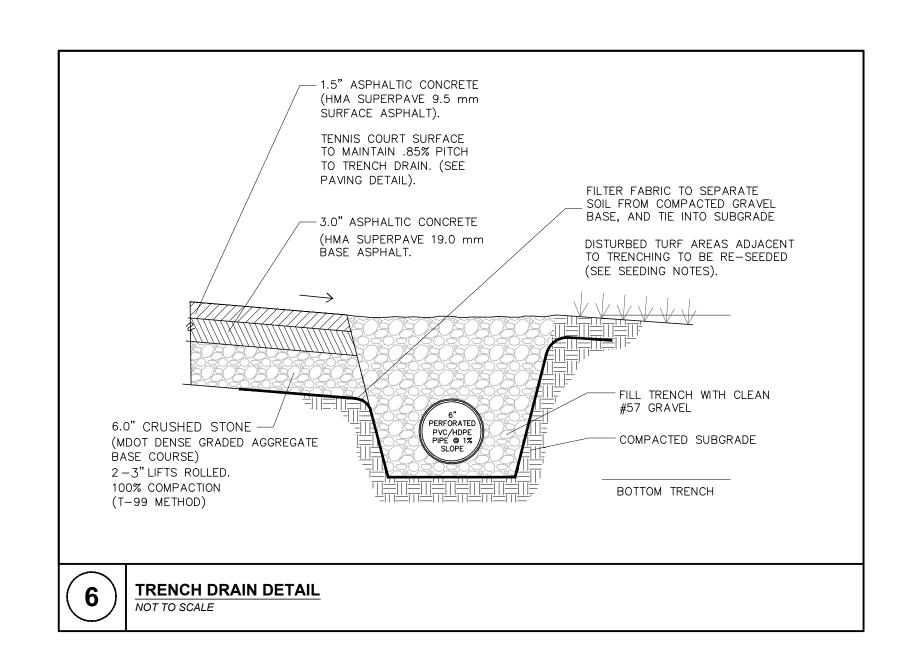
TRENCH DRAIN DETAIL

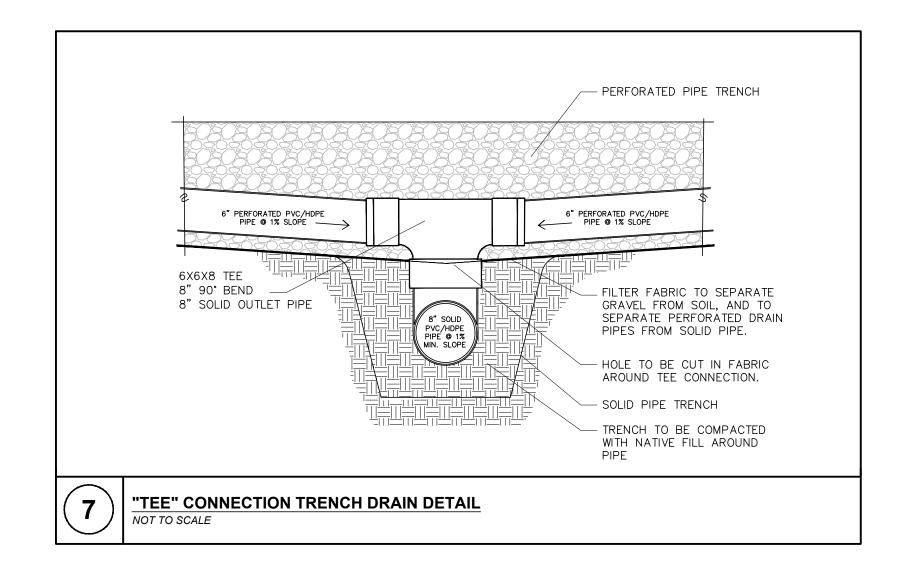
NOT TO SCALE

NOT TO SCALE

"TEE" CONNECTION TRENCH DRAIN DETAIL







TRIAD ENGINEERING, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 59438 EXPIRATION DATE: 5/25/24

SITE PLAN
S COURT RENOVATION
12401 WILLOWBROOK ROAD

SITE PLAN
TENNIS COURT RENOVA
12401 WILLOWBROOK RC
CUMBERLAND, ALLEGANY COL

TRIAD ENGINEERING, INC.
www.triadeng.com

SHEET NUMBER:

C-5.1

JOB NO.: 03-20-0760

DEVELOPER:ALLEGANY COLLEGE OF MARYLAND

12401 WILLOWBROOK ROAD

CUMBERLAND, MD 21502 PHONE: 301.784.5000