

CONSTRUCTION DOCUMENTS

FOR

FLANNERY TRACK IMPROVEMENTS

WYOMISSING AREA SCHOOL DISTRICT

630 EVANS AVENUE

WYOMISSING, PA 19610

MARCH 6, 2019

SHEET INDEX

SITE DEVELOPMENT

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SD-2	DESCRIPTIVE SITE PLAN
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STORMWATER, SOIL EROSION AND SEDIMENT CONTROLS

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C.2-52	EROSION AND SEDIMENT CONTROL NOTES

LOCATION MAP



ATHLETIC FACILITY CONSULTANTS

TURF, TRACK & COURT, LLC

TTC

Athletic Facility Consultants

1034 EAST CHOCOLATE AVENUE
HERSHEY, PA 17033
PHONE: (717) 312-3012
WWW.TURFTRACKANDCOURT.COM



CIVIL CONSULTANT

SPOTTS, STEVENS AND MCCOY

1047 NORTH PARK ROAD
READING, PA 19610-0307
PHONE: (610) 610.621.2000
WWW.SSMGROUP.COM

UNDERGROUND UTILITIES

INFORMATION CONCERNING UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE COMPLETE OR ACCURATE. THE CONTRACTOR IS RESPONSIBLE TO CONTACT ALL UTILITIES AND / OR HAND EXCAVATE TO DETERMINE THE LOCATION AND DEPTH OF THE UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR WILL CONTACT THE UNDERGROUND LOCATING SERVICE, TEL. 1-800-242-1776 (PA ONE CALL) FOR THE ACTUAL LOCATION OF THEIR FACILITIES BEFORE ANY EXCAVATION WORK IS STARTED. ALSO CONFER WITH OWNER CONCERNING ANY ADDITIONAL UTILITY INFORMATION PRIOR TO EXCAVATION.

BEFORE YOU DIG-DRILL-BLAST

CALL
1-800-242-1776
TOLL FREE
PA LAW REQUIRES ADVANCED NOTIFICATION

PA ONE CALL SYSTEM

C:\Users\Mark Fisher\Desktop\TTC - 2010001 - Professional\Jobs\01-116-003 Wyomissing - Flannery Track Improvements\003 CAD\Design Development\Flannery Plan\05/2019 9:57 AM

GENERAL NOTES:

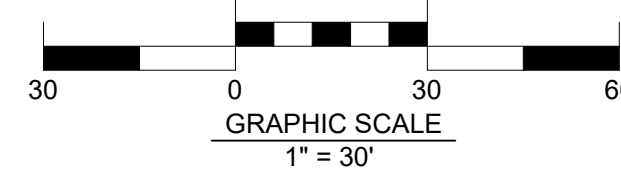
1. SITE INFORMATION TAKEN FROM SURVEY PERFORMED BY SSM ON JULY 13, 2018 AND SITE INVESTIGATION CONDUCTED BY TURF, TRACK, AND COURT PERSONNEL, AND PREVIOUS DESIGN INFORMATION PROVIDED BY THE WYOMISSING AREA SCHOOL DISTRICT.
2. WETLAND STUDY CONDUCTED BY LIBERTY ENVIRONMENTAL ON AUGUST 8, 2018.
3. WORK AREA SHALL BE LIMITED TO THE EXISTING SYNTHETIC SURFACES AND THE AREA DIRECTLY ADJACENT. CONTRACTOR SHALL REPAIR ANY DAMAGE TO SCHOOL PROPERTY DURING THE DURATION OF CONSTRUCTION / RENOVATION.
4. SEE WRITTEN SPECIFICATIONS FOR PRODUCT INFORMATION AND TECHNICAL PROCEDURES.
5. CONTRACTOR STAGING AREA IN AREA TO THE SOUTH OF EXISTING BLOCK BUILDING. CONTRACTOR TO REPAIR ANY DAMAGE CAUSED BY CONTRACTOR TO EXISTING SURFACES.
6. LOCATION OF SANITARY AND STORM MANHOLES, CURB INLETS, ELECTRIC AND LIGHT POLES AS SHOWN ARE FIELD LOCATED. ALL UNDERGROUND WATER, STORM, GAS AND SEWER SERVICES ARE APPROXIMATE AS SHOWN OR NOT KNOWN.
7. ANY CONSTRUCTION OR OPERATION UNDERTAKEN ON THIS SITE MUST CONFORM WITH ANY AND ALL LOCAL, STATE, DEED OR OTHER RESTRICTIONS IN EFFECT AT THE TIME OF OPERATION.
8. COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 AND ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, OBTAINED BY A VIRTUAL REFERENCE SPATIAL SYSTEM.
9. BEING THE SAME PROPERTY WHICH THEN INVESTMENT COMPANY BY DEED DATED MAY 18, 1962 AND RECORDED IN DEED BOOK VOLUME 1408, PAGE 819, BERKS COUNTY RECORDS AT READING, PENNSYLVANIA, GRANTED AND CONVEYED INTO THE SCHOOL DISTRICT OF THE BOROUGH OF WYOMISSING.
10. ALSO BEING THE SAME PROPERTY WHICH WYOMISSING FOUNDATION, INC. BY DEED DATED SEPTEMBER 14, 1984 AND RECORDED IN DEED BOOK VOLUME 1863, PAGE 630, BERKS COUNTY RECORDS AT READING, PENNSYLVANIA, GRANTED AND CONVEYED INTO WYOMISSING AREA SCHOOL DISTRICT.

DEMOLITION NOTES:

1. EXISTING TRACK SURFACES SHALL BE REMOVED FROM BASE ASPHALT.
2. EXISTING POLE VAULT, AND LONG JUMP AREA ADJOINING EXISTING BLOCK BUILDING SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING STONE BASE.
3. DISPOSE OF ALL DEMOLITION MATERIAL AT AN APPROVED OFFSITE LOCATION.
4. BACKFILL DISTURBED AREA WITH TOPSOIL FROM SITE CONSTRUCTION.
5. FINE GRADE AND SEED TO MATCH EXISTING FIELD ELEVATIONS. PROVIDE POSITIVE FLOW TO DRAINAGE FACILITIES.
6. EXISTING SAND PIT MATERIAL MAY BE REUSED IF CLEAN AND UNCONTAMINATED BY DEMOLITION PROCESS.
7. MILL ASPHALT AS REQUIRED TO ACHIEVE GRADES AS PROPOSED.
8. EXISTING IRRIGATION SYSTEM (PIPES, HEADS, VALVES, ETC.) IS LOCATED ALONG THE INSIDE EDGE OF TRACK AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. WATERLINE CROSSINGS UNDER THE TRACK ALSO MUST BE PROTECTED DURING CONSTRUCTION.
9. CONTRACTOR SHALL INVESTIGATE AREAS OF ASPHALT THAT HAVE PUSHED. SAWCUT EDGE OF REMOVAL AREA. REPAIR AREA AND COMPACT PER SPECIFICATIONS. NOTCH-CUT ALL ASPHALT JOINTS.
10. LONG JUMP / POLE VAULT RUNWAYS BEING DEMOLISHED SHALL BE REMOVED TO SUBGRADE.

LEGEND

- | | |
|--|--------------------------------------|
| | EXISTING TRACK SURFACE TO BE REMOVED |
| | ASPHALT MATERIAL TO BE REMOVED |
| | APPROXIMATE WETLAND LOCATION |
| | EXISTING CONTOUR (5 FT INTERVAL) |
| | EXISTING CONTOUR (1 FT INTERVAL) |
| | PROPERTY LINE |
| | EXISTING FENCE |
| | EXISTING TRACK OUTLINE |
| | EXISTING WATER LINE |



THIS DRAWING IS AND SHALL REMAIN THE PROPERTY OF TURF, TRACK & COURT, LLC. ANY REUSE ON PROJECT OR ANY OTHER PROJECT, OR ALTERATIONS OR ADDITIONS TO THIS PROJECT SHALL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO TURF, TRACK & COURT, LLC.

TURF, TRACK & COURT, LLC
TT&C Athletic Facility Consultants
1034 EAST CHOCOLATE AVENUE
HERSHEY, PA 17033
717.312.3012
WWW.TURFTRACKANDCOURT.COM

PROJECT: **FLANNERY TRACK IMPROVEMENTS**

CLIENT: **WYOMISSING AREA SCHOOL DISTRICT
630 EVANS AVENUE
WYOMISSING, PA 19610
BERKS COUNTY, PA**

JOB NO: 01-116-003

SCALE: 1" = 30'

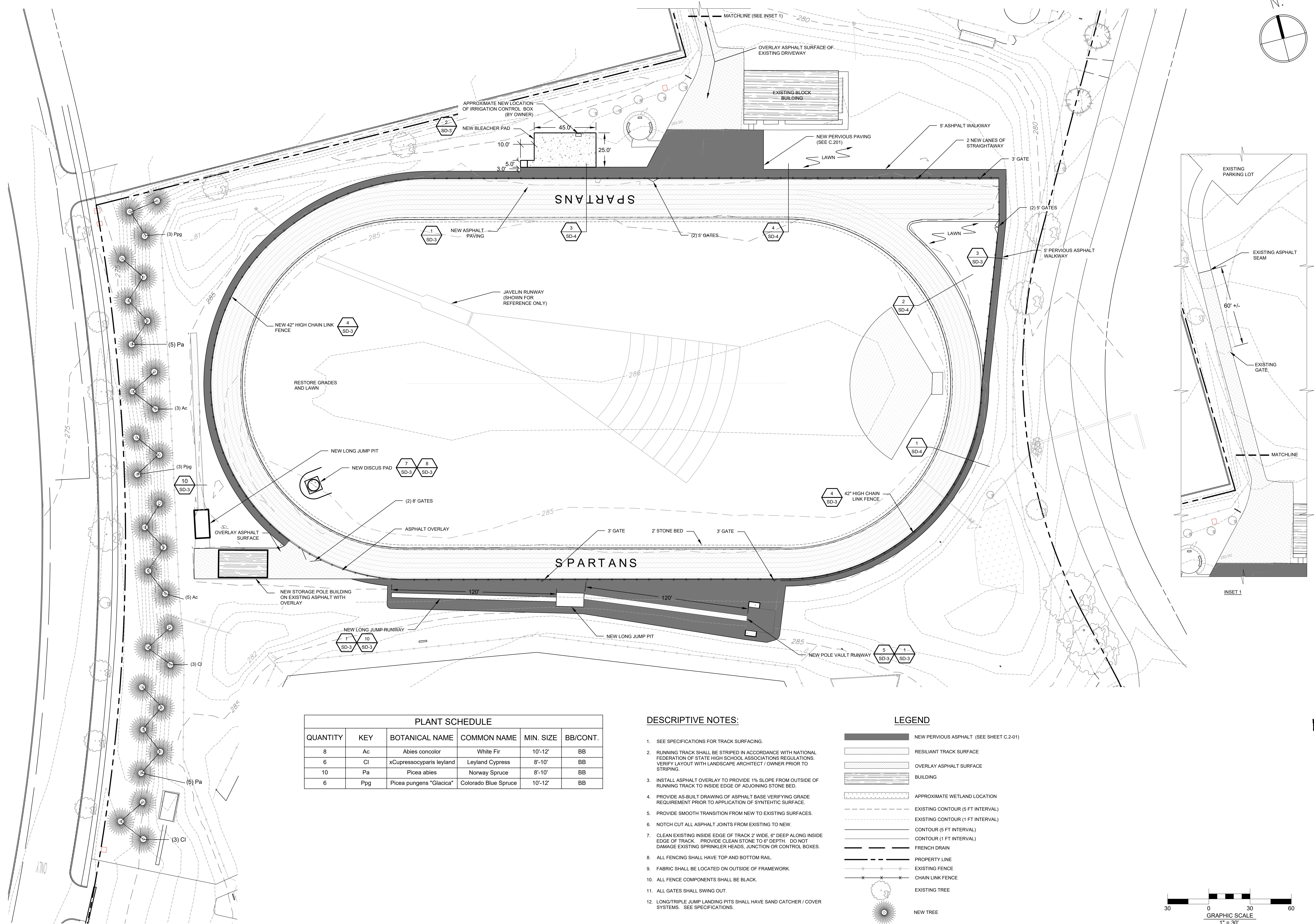
DATE: MARCH 6, 2019

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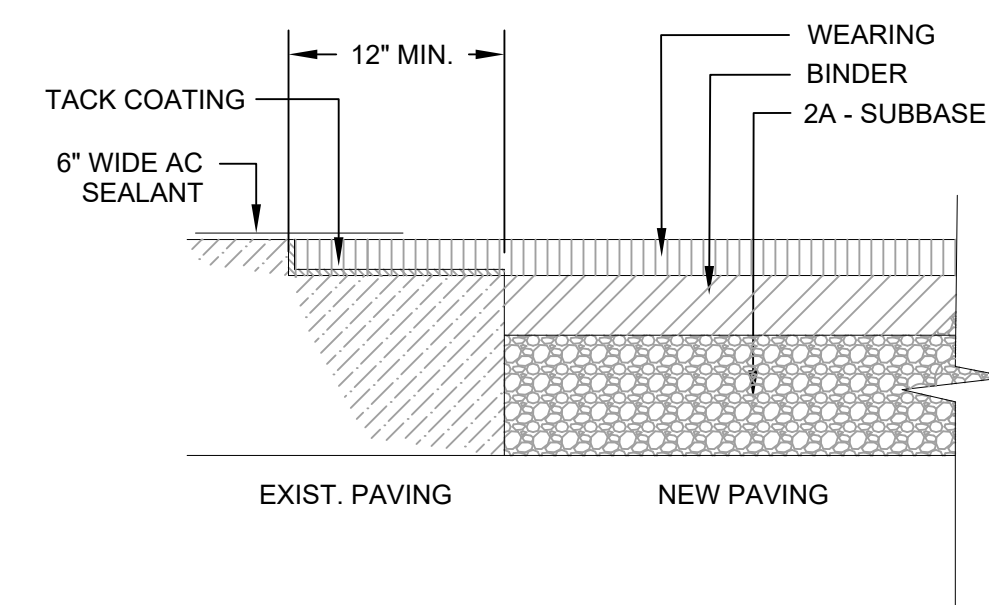
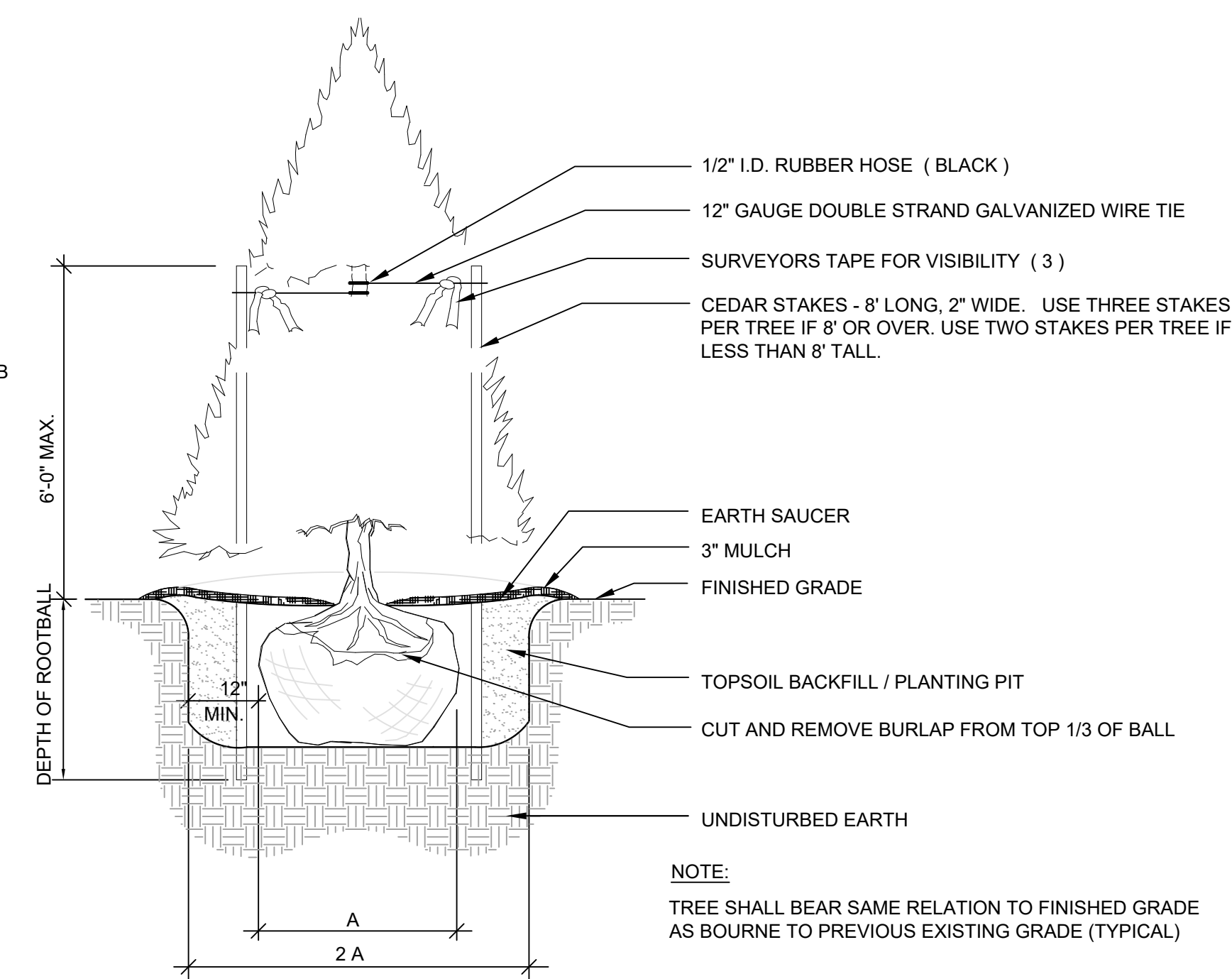
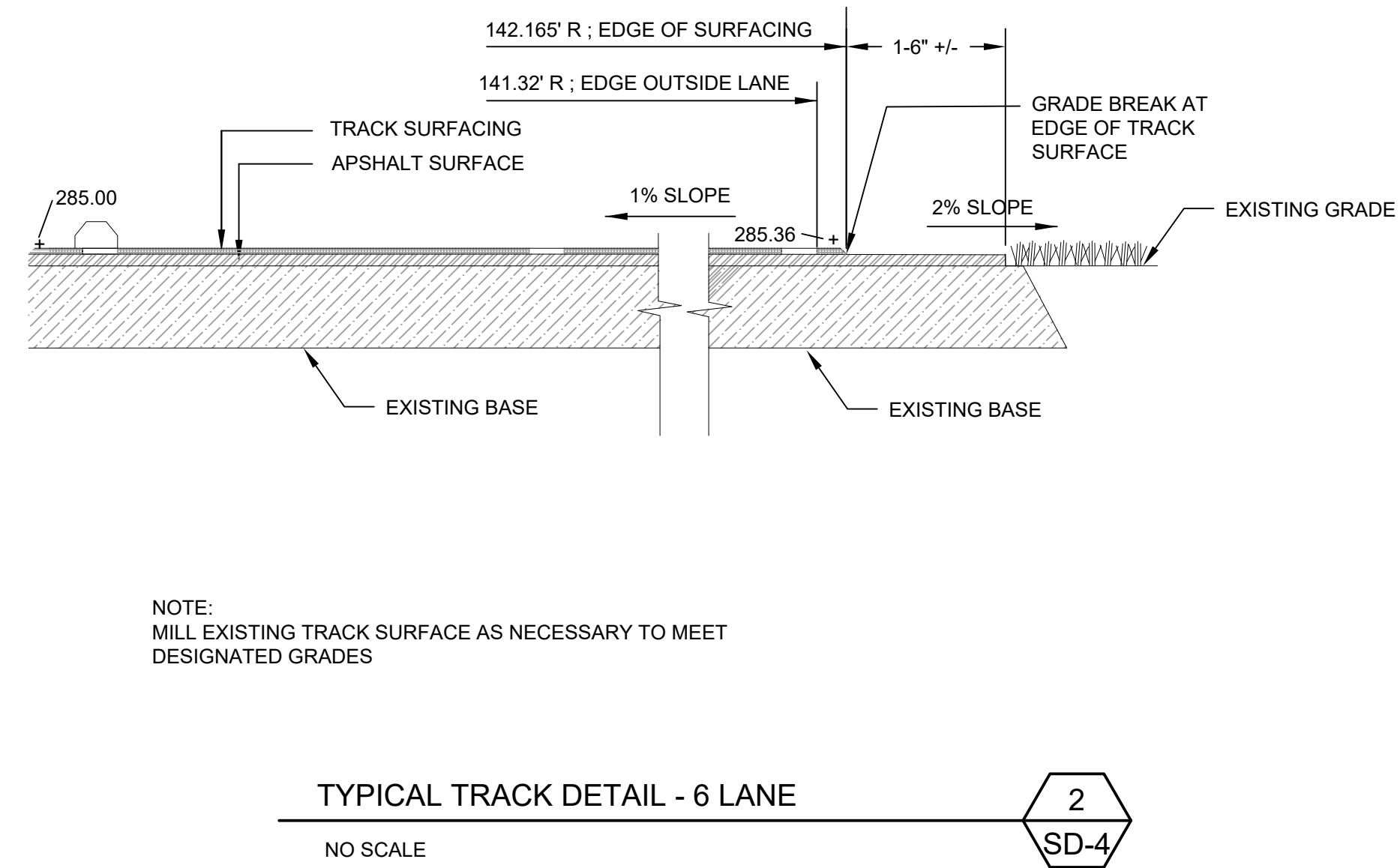
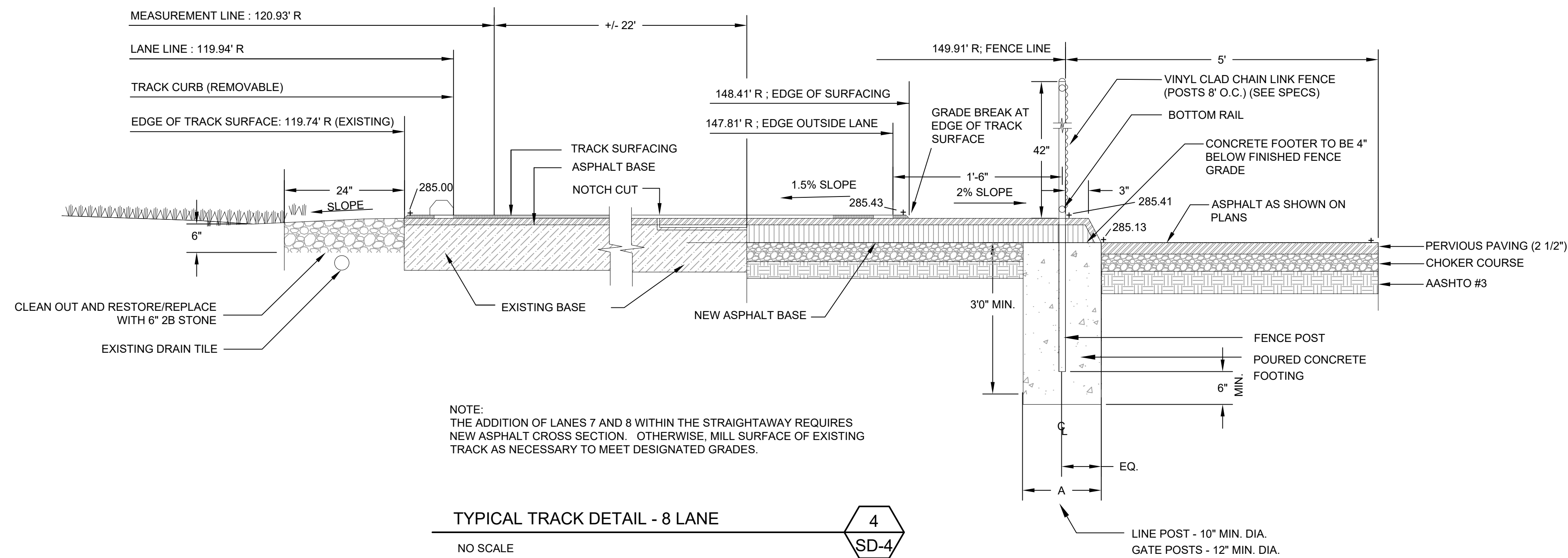
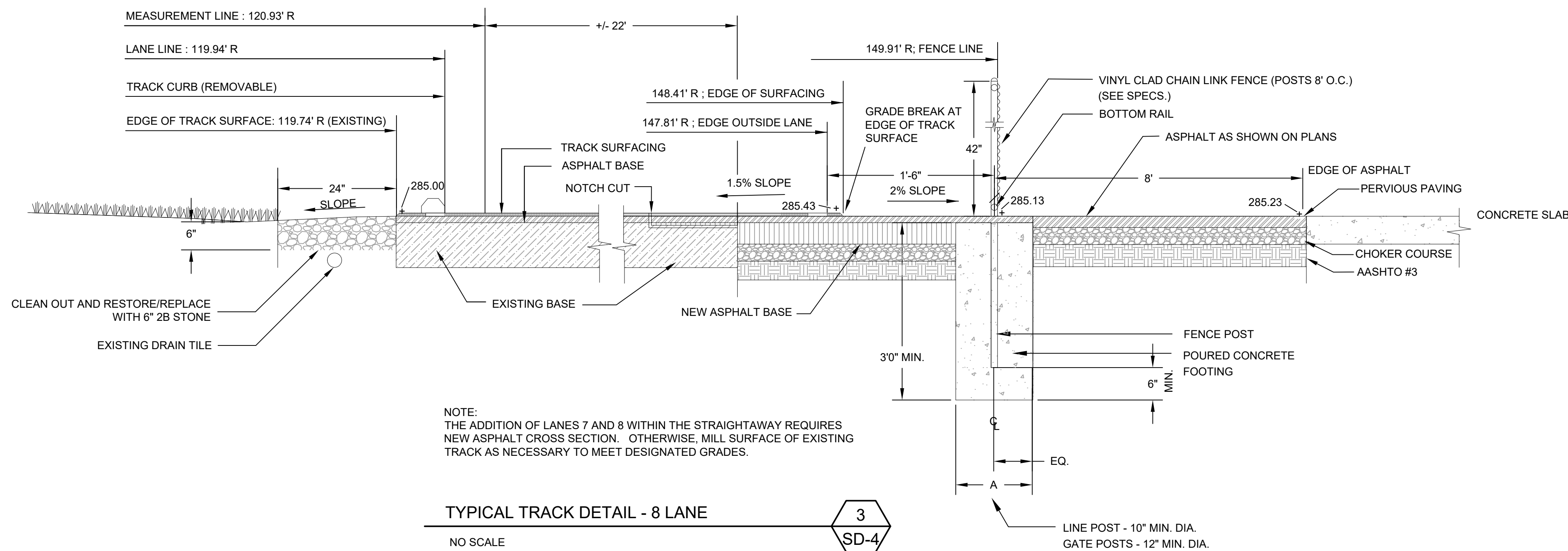
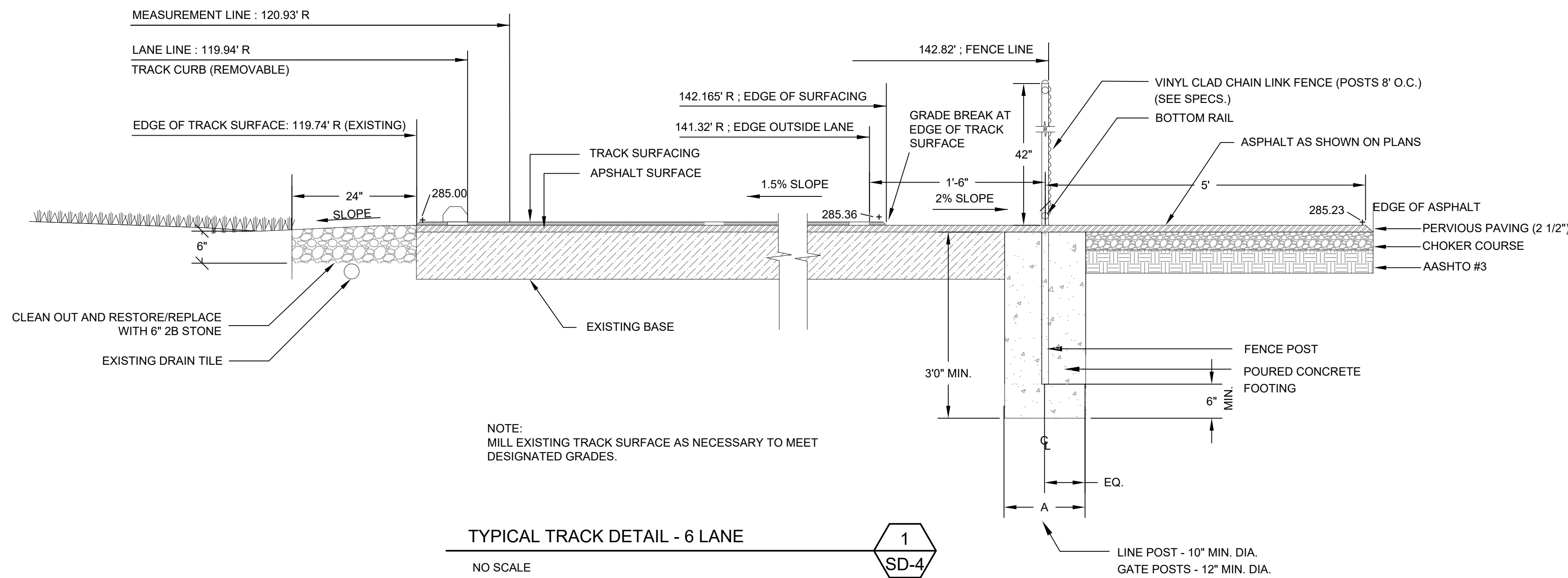
EXISTING CONDITIONS / DEMO PLAN

SHEET

SD-1



C:\Users\Mark Fisher\Desktop\TTC - 201001 - Professional\Jobs\01-116-003 Wymissing - Flannery Track Improvements\03 CAD\Draw Development\Flannery Planes.dwg 3/6/2019 8:59 AM



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TURF, TRACK & COURT, LLC
Athletic Facility Consultants
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PROJECT: FLANNERY TRACK IMPROVEMENTS

CLIENT: WYOMISSING AREA SCHOOL DISTRICT
630 EVANS AVENUE
WYOMISSING, PA 19610
BERKS COUNTY, PA



JOB NO: 01-116-003

SCALE: AS NOTED

DATE: MARCH 6, 2019

REV:

DETAILS

SHEET

SD-4

FLANNERY TRACK IMPROVEMENTS

PREPARED FOR

WYOMISSING AREA SCHOOL DISTRICT

BOROUGH OF WYOMISSING, BERKS COUNTY PENNSYLVANIA

BY

PLAN SUBMITTAL /REVISION DATES
02/19/19 INITIAL PLAN SUBMISSION

READING
1047 North Park Road
PO Box 6307
Reading, PA 19610-0307
P: 610.621.2000
F: 610.621.2001
LEHIGH VALLEY
Roma Corporate Center,
Suite 106
1605 N Cedar Crest Blvd
Allentown, PA 18104
P: 610.849.9700
F: 610.621.2001
LANCASTER
701 Creekside Lane
Lititz, PA 17543
P: 717.568.2678
F: 610.621.2001



110116.0001 C.0-01

INDEX TO DRAWINGS	
DWG NO.	DESCRIPTION
C.0-01	COVER SHEET
C.0-02	LEGENDS AND NOTES
C.1-01	SITE PLAN
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C.1-55	DEMOLITION PLAN
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C.2-52	EROSION AND SEDIMENT CONTROL NOTES



PA ONE CALL INFORMATION

PA ONE CALL SERIAL NUMBER: 20190020646
MUNICIPALITY: WYOMISSING BOROUGH, BERKS COUNTY, PA
IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE PENNSYLVANIA ACT 287 AND TO CONTACT THE "ONE CALL SYSTEM" THREE (3) WORKING DAYS (UNLESS OTHERWISE NOTED) PRIOR TO START OF CONSTRUCTION.

OWNER:

WYOMISSING AREA SCHOOL DISTRICT
630 EVANS AVE
READING, PA 19610

PROJECT DESCRIPTION:

THIS PROJECT PROPOSES RELOCATION OF THE POLE VAULT AND LONG JUMP AREAS, NEW BLEACHERS AND THE ADDITION OF A WALKWAY AROUND THE EXISTING TRACK. BOTH STANDARD AND IMPERVIOUS PAVING WILL BE USED IN THE EXPANSION OF THE PROPOSED PAVEMENT AREAS.

ELEVATION DATUM:

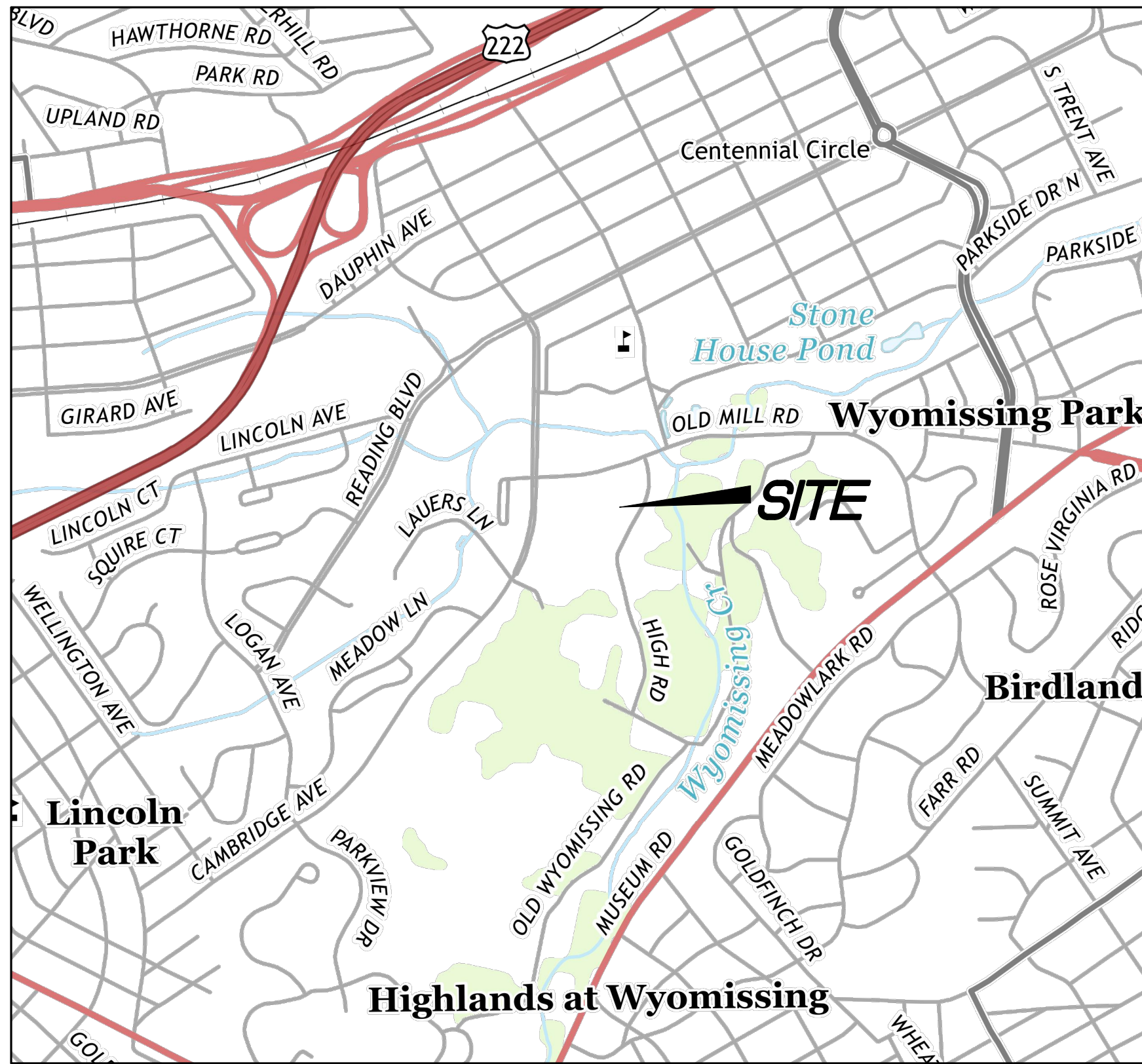
COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 AND ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, OBTAINED BY A VIRTUAL REFERENCE SPATIAL SYSTEM.

SOURCE OF TITLE:

















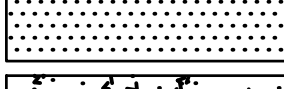
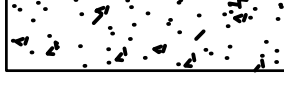


- Ⓐ BEING THE SAME PROPERTY WHICH THUN INVESTMENT COMPANY BY DEED DATED MAY 18, 1962 AND RECORDED IN DEED BOOK VOLUME 1408, PAGE 818, BERKS COUNTY RECORDS AT READING, PENNSYLVANIA, GRANTED AND CONVEYED UNTO THE SCHOOL DISTRICT OF THE BOROUGH OF WYOMISSING.
- PIN #439615544892
AREA = 10.37 ACRES
- Ⓑ ALSO BEING THE SAME PROPERTY WHICH WYOMISSING FOUNDATION, INC. BY DEED DATED SEPTEMBER 14, 1984 AND RECORDED IN DEED BOOK VOLUME 1863, PAGE 630, BERKS COUNTY RECORDS AT READING, PENNSYLVANIA, GRANTED AND CONVEYED UNTO WYOMISSING AREA SCHOOL DISTRICT.
- PIN #439615545265
AREA = 5.59 ACRES

LOCATION MAP

SCALE: 1" = 1000'



LEGEND

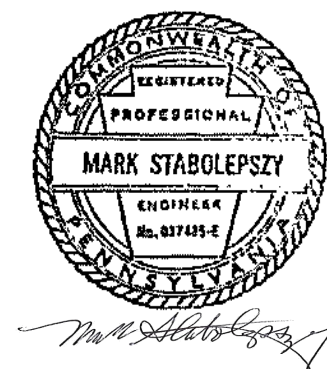
- | | |
|---|------------------------------|
|  | EXISTING LIGHT |
|  | EXISTING TREE |
|  | EXISTING SIGN |
|  | EXISTING GASLINE |
|  | EXISTING WATERLINE |
|  | EXISTING STORMWATER |
|  | EXISTING SANITARY |
|  | EXISTING FENCE |
|  | EXISTING WATER MANHOLE |
|  | EXISTING WATER CURB STOP |
|  | EXISTING WATER VALVE |
|  | EXISTING SANITARY CLEANOUT |
|  | EXISTING PROPERTY CORNER |
|  | EXISTING MAJOR CONTOUR |
|  | EXISTING MINOR CONTOUR |
|  | EXISTING PROPERTY LINE |
|  | PROPOSED PERVIOUS PAVED AREA |
|  | PROPOSED STANDARD PAVED AREA |
|  | PROPOSED CONCRETE |
|  | TEST PIT |

GENERAL NOTES:

1. EXISTING SITE CONDITIONS SURVEYED BY SPOTTS, STEVENS AND MCCOY, INC. ON JULY 13, 2018. COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 AND ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, OBTAINED BY A VIRTUAL REFERENCE SPATIAL SYSTEM.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ALL KNOWN OR VISIBLE TO SURFACE UTILITIES HAVE BEEN SHOWN ON THE PLAN. SOME EXPLORATORY DIGGING MAY BE REQUIRED BY THE CONTRACTOR TO ACCURATELY LOCATE AND VERIFY LOCATION, SIZE, MATERIAL AND APPURTENANCES OF ON-SITE UTILITIES.
3. DURING CONSTRUCTION, CONTRACTOR SHALL PROTECT ALL PEDESTRIAN WALKWAYS AND VEHICULAR DRIVEWAY AREAS WITH APPROPRIATE BARRICADES AND WARNING DEVICES. TEMPORARY CONSTRUCTION FENCING SHALL BE IMPLEMENTED TO KEEP THE AREA OF DISTURBANCE FREE OF NON-CONSTRUCTION RELATED PERSONNEL. THE CONTRACTOR SHALL UTILIZE TRAFFIC CONTROL DEVICES, EMPLOY FLAG MAN OR TRAFFIC CONTROL PERSONNEL AS NECESSARY TO ENSURE VEHICULAR MOTORISTS NAVIGATE THE WORK ZONE SAFELY.
4. CONTRACTOR SHALL SAFEGUARD ALL UTILITIES DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO SANITARY SEWER FACILITIES, STORMWATER MANAGEMENT FACILITIES, THROUGHOUT THE CONSTRUCTION OF THE PROJECT.

[illegible]

RELEASED FOR:
BIDDING



READING
1047 North Park Road
PO Box 6307
Reading, PA 19810-0307
P: 610.621.2000
F: 610.621.2001

LEHIGH VALLEY
Roma Corporate Center,
Suite 520
1605 N Cedar Crest Blvd
Allentown, PA 18104
P: 610.849.9700
F: 610.621.2001

LANCASTER
701 Creekside Lane
Lititz, PA 17543
P: 717.568.2678
F: 610.621.2001

WYOMISSING AREA SCHOOL DISTRICT

630 EVANS AVENUE, WYOMISSING PA 19810

FLANNERY TRACK IMPROVEMENTS

LEGENDS AND NOTES

BOROUGH OF WYOMISSING, BERKS COUNTY, PA.

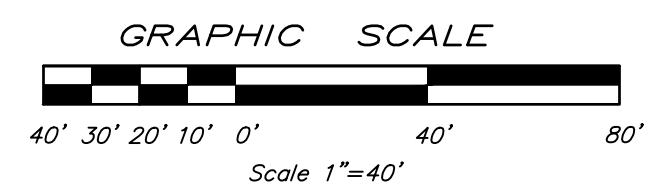
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110116.0001

WORK ORDER NUMBER

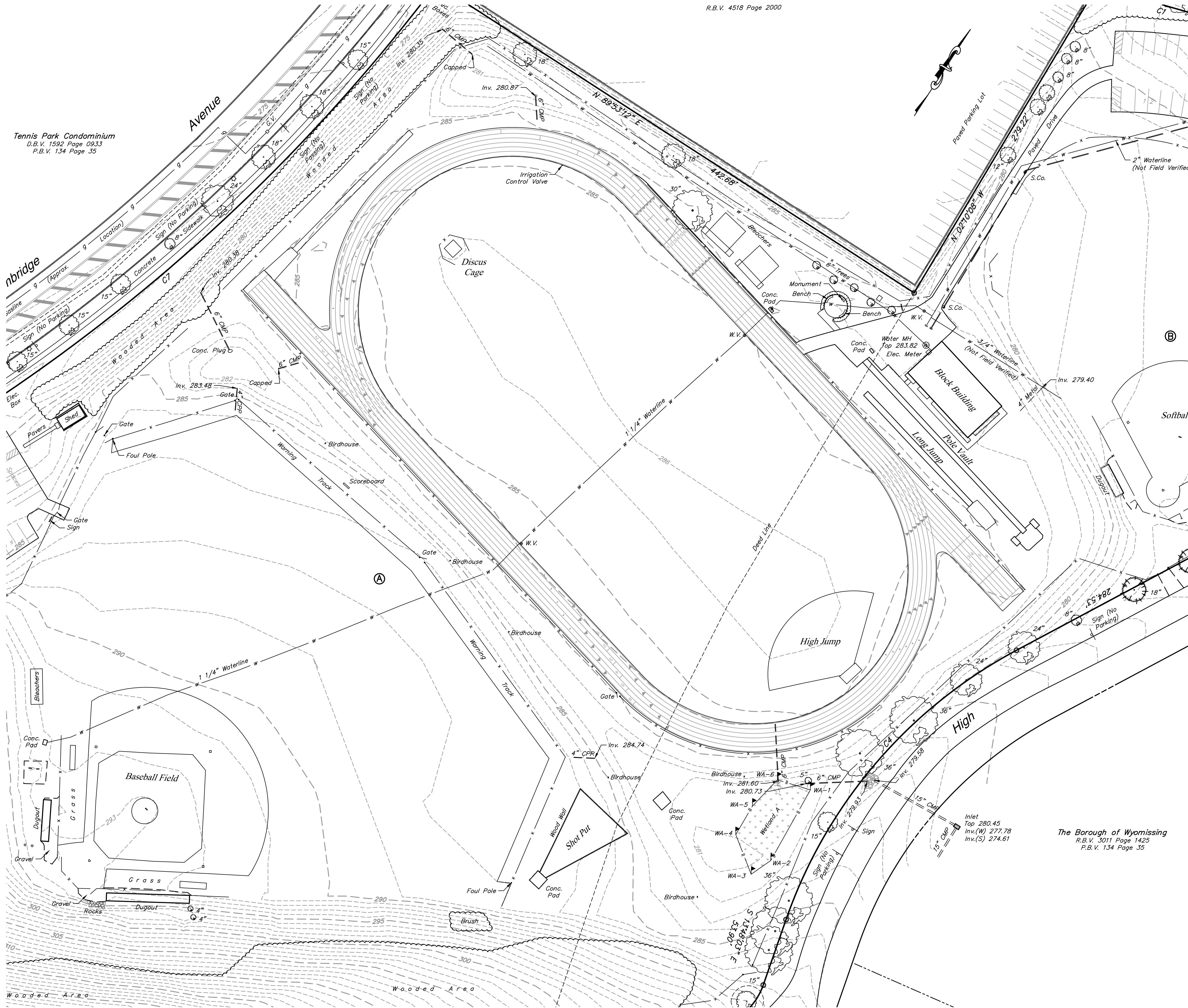
C.0-02

DRAWING NUMBER



DRAWING NUMBER

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NOTES:

LOCATION OF SANITARY AND STORM MANHOLES, CURB INLETS, ELECTRIC AND LIGHT POLES AS SHOWN ARE FIELD LOCATED. ALL UNDERGROUND WATER, STORM, GAS AND SEWER SERVICES ARE APPROXIMATE AS SHOWN OR NOT KNOWN.

ANY CONSTRUCTION OR OPERATION UNDERTAKEN ON THIS SITE MUST CONFORM WITH ANY AND ALL LOCAL, STATE, DEED OR OTHER RESTRICTIONS IN EFFECT AT THE TIME OF OPERATION.

LIBERTY ENVIRONMENTAL, INC. INVESTIGATED FOR REGULATED WATERS WITHIN AN APPROXIMATELY 16 ACRE INVESTIGATION AREA AT THE FLANNERY FIELD PROJECT LOCATED IN WYOMISSING BOROUGH, BERKS COUNTY, PENNSYLVANIA. ONE WETLAND (WETLAND A) WAS DELINEATED WITHIN THE INVESTIGATION AREA AS DEFINED BY THE 1987 MANUAL AND SUBSEQUENT GUIDANCE. A PHASE 1 BOG TURTLE HABITAT ASSESSMENT WAS PERFORMED WITHIN WETLAND A CONCURRENTLY WITH THE REGULATED WATERS DELINEATION. BOG TURTLE HABITAT IS NOT PRESENT WITHIN WETLAND A DUE TO LACK OF APPROPRIATE SOILS, VEGETATION AND HYDROLOGY ASSOCIATED WITH THE SPECIES.

PROJECT DATUM:

COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 AND ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, OBTAINED BY A VIRTUAL REFERENCE SPATIAL SYSTEM.

SOURCE OF TITLE

A BEING THE SAME PROPERTY WHICH THUN INVESTMENT COMPANY BY DEED DATED MAY 18, 1962 AND RECORDED IN DEED BOOK VOLUME 1408, PAGE 818, BERKS COUNTY RECORDS AT READING, PENNSYLVANIA, GRANTED AND CONVEYED UNTO THE SCHOOL DISTRICT OF THE BOROUGH OF WYOMISSING.

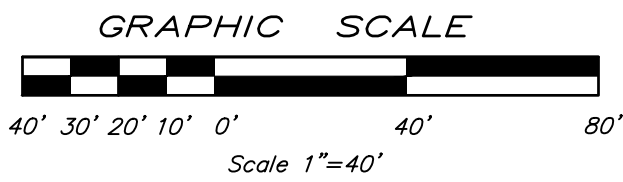
PIN #439615544692

AREA = 10.37 ACRES

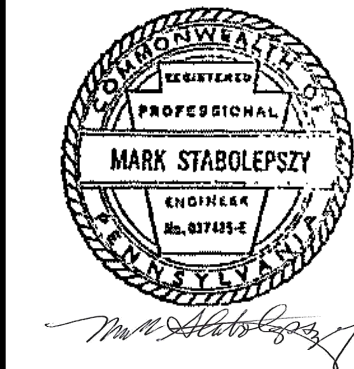
B ALSO BEING THE SAME PROPERTY WHICH WYOMISSING FOUNDATION, INC. BY DEED DATED SEPTEMBER 14, 1984 AND RECORDED IN DEED BOOK VOLUME 1863, PAGE 630, BERKS COUNTY RECORDS AT READING, PENNSYLVANIA, GRANTED AND CONVEYED UNTO WYOMISSING AREA SCHOOL DISTRICT.

PIN #439615545265

AREA = 5.59 ACRES



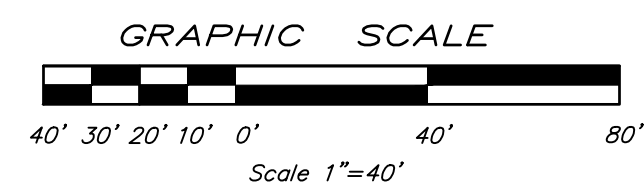
RELEASED FOR:
BIDDING



READING: 630 Evans Avenue, Wyomissing PA 19010
PO Box 5307
P.O. Box 5307
P.O. Box 5307
LEHIGH VALLEY
Borough of Wyomissing
1800 N. Cedar Crest Blvd
P.O. Box 5307
LANCASTER
PA 17602
P.O. Box 5307

WYOMISSING AREA SCHOOL DISTRICT
630 EVANS AVENUE, WYOMISSING PA 19010
FLANNERY TRACK IMPROVEMENTS
EXISTING CONDITIONS PLAN
BOROUGH OF WYOMISSING, BERKS COUNTY, PA
COPYRIGHT 2018 SPOTTS, STEVENS & MCCOY

02/19/19 1101160001
DATE DIGITAL FILENAME
110116.0001
WORK ORDER NUMBER
C.1-50
DRAWING NUMBER



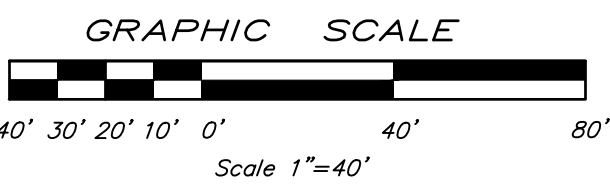
The Borough of Wyomissing
R.B.V. 3011 Page 1425
P.B.V. 134 Page 35

DRAWING NUMBER

02/19/19	1101160001 c.1-55
DATE	DIGITAL FILENAME
110116.0001	
WORK ORDER NUMBER	
C.1-55	
DRAWING NUMBER	







READING ROOM 100 N. 1st St., 2nd Floor PO Box 1207 Harrisburg, PA 17105-1207 P 610-521-2200 F 610-521-2200 WWW.PA.GOV		 SSM SPOTTS, STEVENS & MCCOY Engineers and Consultants 639 EVANS AVENUE, WYOMISSING PA 19610 FLANNERY TRACK IMPROVEMENTS SITE GRADING PLAN BOROUGH OF WYOMISSING, BERKS COUNTY, PA. COPYRIGHT © 2019 SPOTTS, STEVENS & MCCOY		02/19/19		1101160001		C-2-01		110116.0001	
				DATE		DIGITAL FILENAME		WORK ORDER NUMBER		DRAWING NUMBER	
								C.2-01			

RELEASED FOR:										BIDDING										DATE:										PROJECT MANAGER: DBM										BASE BY: HMM										DESIGNED BY: KMF										CHKD DBM										0										03/06/19										RELEASED FOR BIDDING										K.M.F. K.M.F.										MADE CHKD APVD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	



LOCATION MAP
SCALE: 1" = 2000'

E&SC LEGEND

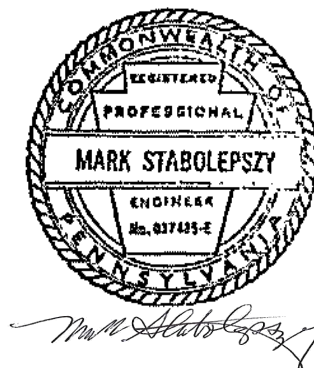
- | | |
|---|-------------------------|
|  | LIMIT OF DISTURBANCE |
|  | COMPOST FILTER SOCK |
|  | EROSION CONTROL BLANKET |
|  | SOIL BOUNDARY AND TYPES |
|  | TOPSOIL STOCKPILE AREA |
|  | EROSION CONTROL MATTING |

SOILS	
TYPE	DESCRIPTION
UmB	URBAN LAND-DUFFIELD COMPLEX, 0 TO 8 % SLOPE
DbB	DUFFIELD SILT LOAM, 3 TO 8% SLOPE

PA ONE CALL INFORMATION

ONE CALL SERIAL NUMBER: 20190020646
MUNICIPALITY: WYOMISSING BOROUGH, BERKS COUNTY
A
IS THE CONTRACTORS RESPONSIBILITY TO COMPLY
WITH THE PENNSYLVANIA ACT 287 AND TO CONTACT
THE "ONE CALL SYSTEM" THREE (3) WORKING DAYS
(UNLESS OTHERWISE NOTED) PRIOR TO START OF
CONSTRUCTION.

RELEASED FOR:
BIDDING



READING
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ANYOMISSING AREA SCHOOL DISTRICT

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FLANNERY TRACK IMPROVEMENTS

EROSION AND SEDIMENT CONTROL PLAN

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BUREAU OF WYOMISSING, BERKS COUNTY, PA.

BOUGH OF WYOMISSING, BERKS COUNTY

02/19/19

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WORK ORDER NUMBER

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SOILS INFORMATION					
ACCORDING TO THE USDA NRCS WEB SOIL SURVEY, SITE SOILS INCLUDE THE DUFFIELD SILT LOAM. THIS SOIL IS RESIDUUM WEATHERED FROM LIMESTONE AND SILSTONE. THEY ARE WELL DRAINED, WITH A DEPTH TO BED ROCK BETWEEN 48 AND 120 INCHES, AND A DEPTH TO THE WATER TABLE OF MORE THAN 80 INCHES. PLEASE REFER TO APPENDIX C FOR A COPY OF THE WEB SOIL SURVEY.					
SITE SOILS USE LIMITATIONS					
DUE TO THE NATURAL CHARACTERISTICS OF DUFFIELD SILT LOAM SOILS, THE POTENTIAL FOR SINKHOLES EXISTS. IF SINKHOLES ARE ENCOUNTERED DURING THE CONSTRUCTION PROCESS, THE PROJECT OWNER, PROJECT ENGINEER, AND THE COUNTY CONSERVATION DISTRICT SHOULD BE CONTACTED IMMEDIATELY UPON SINKHOLE DISCOVERY.					
LAND USES: PAST, PRESENT, AND PROPOSED					
THE PROPERTY, AS IT IS TODAY, HAS EXISTED AS A TRACK FACILITY FOR AT LEAST THE PAST 40 YEARS. THIS USE WILL CONTINUE AFTER CONSTRUCTION ACTIVITIES.					
RECEIVING WATERS OF THE COMMONWEALTH CH. 93 CLASSIFICATION					
THE PROJECT SITE DRAINS TO THE WYOMISSING CREEK, WHICH IS CLASSIFIED AS HIGH QUALITY COLD WATER FISHERY AND MIGRATORY FISHERY (HQ-CWF, MF) ACCORDING TO PA CHAPTER 93 WATER QUALITY STANDARDS. THERE IS ONE SMALL WETLAND AREA LOCATED ADJACENT TO THE TRACK IN AN EXISTING DETENTION BASIN. THIS WETLAND WILL BE UNDISTURBED DURING CONSTRUCTION ACTIVITIES. THE PROJECT IS NOT LOCATED WITHIN THE FEMA 100-YEAR FLOODPLAIN.					
DESCRIPTION OF BMPS					
BMPS USED PRIOR TO CONSTRUCTION					
PRIOR TO THE START OF CONSTRUCTION, A STAGING AREA WILL BE ESTABLISHED IN A LOCATION MUTUALLY AGREED UPON BY THE CONTRACTOR AND THE OWNER. THE STAGING AREA SHALL BE MAINTAINED IN AN ORDERLY FASHION AND WILL BE REQUIRED TO INSTALL ALL NECESSARY BMP MEASURES IN ORDER TO ALLOW NON-SEDIMENT LADEN RUNOFF FROM THE STAGING AREA. ROCK CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS INDICATED ON THE PLANS.					
BMPS USED DURING CONSTRUCTION					
DURING CONSTRUCTION, ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS PROVIDED ON THE PLANS AND IN THIS REPORT. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AND STABILIZED PRIOR TO SITE DISTURBANCE AND CONSTRUCTION. THE FOLLOWING TEMPORARY CONTROL MEASURES WILL BE USED DURING CONSTRUCTION ACTIVITIES:					
1. COMPOST FILTER SOCK. 2. EROSION CONTROL BLANKET. 3. ROCK FILTER. 4. CONCRETE WASHOUT. 5. PUMPED WATER FILTER BAG.					
BMPS USED AFTER CONSTRUCTION					
AFTER ALL CONSTRUCTION ACTIVITIES ARE COMPLETE, ALL REMAINING DISTURBED AREAS WILL BE STABILIZED WITH PERMANENT SEEDING. AFTER FINAL STABILIZATION (MINIMUM UNIFORM 70% PERENNIAL VEGETATION COVER OR PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION AND SEDIMENTATION) HAS BEEN ACHIEVED, THE CONTRACTOR MUST REMOVE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS. ANY AREAS THAT ARE DISTURBED DURING REMOVAL OF THE TEMPORARY CONTROL MEASURES MUST BE STABILIZED IMMEDIATELY. ALL PERMANENT CONTROL MEASURES USED AFTER CONSTRUCTION SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS PROVIDED ON THE PLANS AND IN THIS REPORT. THE FOLLOWING PERMANENT CONTROL MEASURES WILL BE USED AFTER CONSTRUCTION:					
1. PERMANENT SEEDING. 2. PAVED AREAS.					
STAGING OF EARTHMOVING ACTIVITIES					
GENERAL COMMENTS					
1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROLS PROPOSED FOR THIS PROJECT. EROSION AND SEDIMENT CONTROLS SHALL BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE WITHIN THE TRIBUTARY AREAS OF THOSE CONTROLS.					
2. A COPY OF THE EROSION & SEDIMENT CONTROL PLANS SHALL BE POSTED AT THE CONSTRUCTION SITE IN ACCORDANCE WITH PENNSYLVANIA STATE LAW.					
3. THE GENERAL CONTRACTOR SHALL NOTIFY THE BERKS COUNTY CONSERVATION DISTRICT AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.					
4. ALL CONSTRUCTION VEHICLES AND EQUIPMENT ACCESSING OR LEAVING THE LIMITS OF DISTURBANCE SHALL DO SO VIA A ROCK CONSTRUCTION ENTRANCE AT A LOCATION SHOWN ON THE PLANS OR SHALL ACCESS THE LIMITS OF DISTURBANCE VIA THE MACADAM ROAD SURFACE. ALL CONSTRUCTION VEHICLES SHALL BE ADEQUATELY CLEANED OF ALL SEDIMENT PRIOR TO LEAVING THE SITE VIA THE MACADAM ROAD SURFACE. OTHERWISE, ALL CONSTRUCTION VEHICLES SHALL LEAVE THE SITE VIA A FLATBED TRAILER AND SHALL BE LOADED WITHIN THE LIMITS OF DISTURBANCE. THE FLATBED TRAILER SHALL REMAIN ON THE MACADAM ROAD SURFACE AT ALL TIMES.					
5. CONSTRUCTION SHALL REMAIN WITHIN THE LIMITS OF DISTURBANCE UNTIL THE WORK IS STABILIZED.					
6. AREAS UTILIZED FOR CONSTRUCTION STAGING AND LAY DOWN SHALL BE STABILIZED AT ALL TIMES DURING CONSTRUCTION.					
14. STRIPPING OF VEGETATION, GRADING, FILLING AND EXCAVATION SHALL BE DONE IN SUCH A WAY AS TO MINIMIZE EROSION. WHEREVER NOTED ON THE PLANS, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED. DISTURBED AREAS SHALL BE KEPT TO A PRACTICAL MINIMUM AND STABILIZED AS QUICKLY AS POSSIBLE IN ACCORDANCE WITH THE TEMPORARY OR PERMANENT MEASURES OUTLINED IN THE SEEDING AND MULCHING SCHEDULES.					
15. STOCKPILE HEIGHTS SHALL NOT EXCEED 35'. STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.					
16. STOCKPILES SHALL BE STABILIZED IMMEDIATELY.					
17. ALL CONSTRUCTED AND DISTURBED SLOPES (3:1 OR STEEPER) SHALL BE SEEDED AND STABILIZED WITH EROSION CONTROL BLANKET.					
18. SEDIMENT REMOVED FROM EROSION AND SEDIMENT CONTROLS MAY BE USED AS TOPSOIL, IF SUITABLE, OR SHALL BE PROPERLY DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS AND DRAINAGE SWALES, OR DISPOSED OF LEGALLY, OFFSITE.					
19. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 4 INCHES PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 6 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL 3:1 OR GREATER SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.					
20. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A DIRT BAG FILTRATION DEVICE (I.E.: PUMPED WATER FILTER BAG), OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER STABILIZED AREAS DOWNSTREAM OF ANY EARTH DISTURBANCE. DISCHARGE POINTS SHOULD BE ESTABLISHED TO PROVIDE FOR MAXIMUM DISTANCE TO ACTIVE WATERWAYS.					
21. STORMWATER RUNOFF SHALL BE PREVENTED FROM ENTERING STORM SEWER FACILITIES VIA AN OPEN TRENCH. IF ANY EMERGENCY REPAIRS/REPLACEMENT OF STORM SEWER FACILITIES MUST OCCUR, RUNOFF SHALL BE PREVENTED FROM ENTERING THE FACILITIES AT THE POINTS OF REPAIR/REPLACEMENT.					
22. UPON REDUCTION, LOSS OR FAILURE OF THE EROSION AND SEDIMENT CONTROLS, IMMEDIATE ACTION SHALL BE TAKEN TO RESTORE THE CONTROLS OR PROVIDE AN ALTERNATIVE METHOD OF CONTROL.					
23. WHERE EROSION AND SEDIMENT CONTROLS ARE FOUND TO BE INOPERATIVE OR INEFFECTIVE DURING AN INSPECTION, OR ANY OTHER TIME, THE GENERAL CONTRACTOR SHALL IMMEDIATELY CONTACT THE BERKS COUNTY CONSERVATION DISTRICT, BY PHONE OR PERSONAL CONTACT, FOLLOWED BY THE SUBMISSION OF A WRITTEN REPORT WITHIN FIVE (5) DAYS OF THE INITIAL CONTACT.					
24. IN THE EVENT THAT ARCHEOLOGICAL ARTIFACTS ARE DISCOVERED, THE GENERAL CONTRACTOR SHALL ENSURE PROTECTION AND REPORT THE DISCOVERY TO THE OWNER AND THE DIRECTOR OF THE BUREAU OF HISTORIC PRESERVATION, HISTORICAL AND MUSEUM COMMISSION, P.O. BOX 1028, HARRISBURG, PA 17120.					
25. IF SINKHOLES ARE ENCOUNTERED DURING CONSTRUCTION, THE OWNER SHALL RETAIN THE SERVICES OF A QUALIFIED GEOLOGIST OR GEOTECHNICAL ENGINEER FOR THEIR PROFESSIONAL OPINION AND REMEDIAL RECOMMENDATIONS.					
26. ANY AND ALL SEDIMENT TRACKED ONTO ADJACENT ROADS OR PARKING AREAS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION AREA, BY THE END OF EACH WORKING DAY. REMOVAL MAY BE COMPLETED THROUGH USE OF MECHANICAL OR HAND TOOLS, BUT SEDIMENT SHALL NEVER BE WASHED OFF THE ROAD SURFACE WITH WATER.					
27. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE OR ANY STAGE OR PHASE OF AN ACTIVITY WHERE A CESSATION OF EARTH DISTURBANCE ACTIVITIES EXCEEDS 4 DAYS, THE SITE SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.					
28. UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY, THE OPERATOR SHALL IMMEDIATELY STABILIZE THE DISTURBED AREAS SO AS TO PROTECT FROM ACCELERATED EROSION. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN 1 YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS, WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE RE-DISTURBED WITHIN 1 YEAR, MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.					
29. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATORS SHALL CONTACT THE BERKS COUNTY CONSERVATION DISTRICT FOR A FINAL INSPECTION PRIOR TO THE REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROLS.					
30. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM OF 70% UNIFORM PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING OR OTHER MOVEMENTS. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS SHALL BE STABILIZED IMMEDIATELY.					
31. ALTERNATE PRODUCTS TO THOSE SPECIFIED ON THE DRAWINGS MUST BE REVIEWED AND APPROVED AS EQUAL BY THE OWNER, ENGINEER AND CONSERVATION DISTRICT.					
32. THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 E. SEQ. AND 287.1 ET SEQ.					
CONSTRUCTION SEQUENCE					
ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED IN COMPLIANCE WITH CHAPTER 102, TITLE 25, PART I, REGULATION 102.01. THE FOLLOWING STAGE IS INITIATED. THE GENERAL CONTRACTOR SHALL TAKE INTO ACCOUNT THE LOCAL WEATHER FORECAST PRIOR TO BEGINNING ANY EXCAVATION ACTIVITIES.					
DEVIATION FROM THAT SEQUENCE MUST BE APPROVED BY THE BERKS COUNTY CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION. EACH STEP OF THE SEQUENCE SHALL BE COMPLETED BEFORE PROCEEDING TO THE NEXT STEP, EXCEPT WHERE NOTED.					
AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL CONTACT ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARER, AND A REPRESENTATIVE OF THE BERKS COUNTY CONSERVATION DISTRICT TO SCHEDULE AN ON-SITE PRECONSTRUCTION MEETING. ALSO, AT LEAST THREE (3) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1776 FOR BURIED UTILITIES LOCATION.					
1. DUE TO THE NATURE OF THIS PROJECT, NO ROCK CONSTRUCTION ENTRANCES ARE PROPOSED. INSTEAD, ALL CONSTRUCTION VEHICLES SHALL LEAVE THE SITE VIA A FLATBED TRAILER AND SHALL BE LOADED WITHIN THE LIMITS OF DISTURBANCE. ALL CONSTRUCTION VEHICLES SHALL BE ADEQUATELY CLEANED OF ALL SEDIMENT PRIOR TO LEAVING THE LIMIT OF DISTURBANCE. THE FLATBED TRAILER SHALL REMAIN ON THE MACADAM ROAD SURFACE AT ALL TIMES.					
2. DELINEATE AND MARK THE LIMIT OF DISTURBANCE (I.E. SURVEY STAKES, POST AND ROPE, ORANGE CONSTRUCTION FENCE, ETC.). ALL CONSTRUCTION ACTIVITIES SHALL REMAIN WITHIN THIS LIMIT AT ALL TIMES.					
3. INSTALL COMPOST FILTER SOCKS, AS INDICATED.					
4. INSTALL ROCK FILTERS, AS INDICATED.					
5. CLEAR AND GRUB SITE, AS NECESSARY.					
6. BEGIN EXCAVATION AND GRADING ACTIVITIES. INSTALL PROPOSED PAVING AND OTHER IMPROVEMENTS.					
7. UPON COMPLETION OF EARTHMOVING ACTIVITIES, PERMANENTLY SEED AND STABILIZE ALL DISTURBED AREAS.					
8. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS SHALL BE STABILIZED IMMEDIATELY. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM OF 70% UNIFORM					