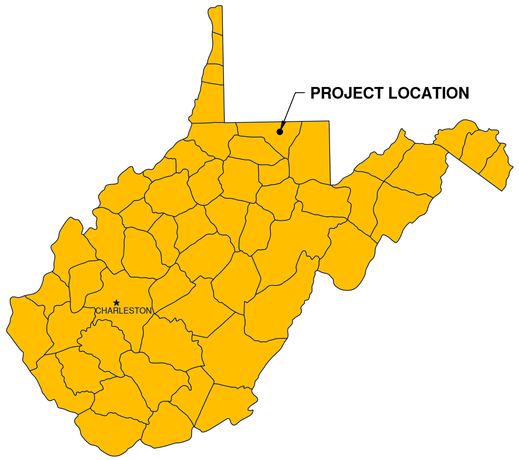
SHEET INDEX

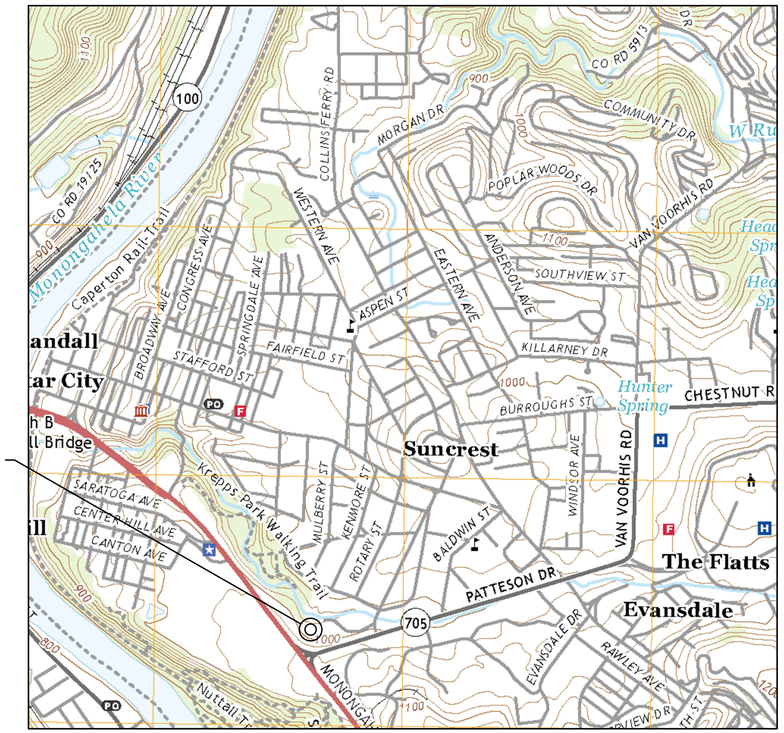
BOPARC KREPPS PARK TENNIS COURTS

MORGANTOWN, MONONGALIA COUNTY, WV
JANUARY 2024

BOPARC
MORGANTOWN BOARD OF PARKS AND RECREATION



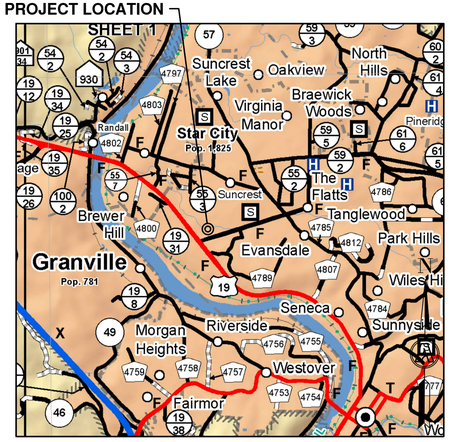
ASCENT PROJECT NUMBER
3004



1000 0 1000 2000

MORGANTOWN NORTH, WV QUADRANGLE MAP

PROJECT LOCATION



3000 0 3000 6000

WVDOH COUNTY HIGHWAY MAP
MONONGALIA COUNTY, WV

N

ASCENT
Consulting & Engineering

ASCENT CONSULTING AND ENGINEERING
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
WWW.ASCENTWV.COM

PREPARED BY

Surveyor	ASCENT CONSULTING AND ENGINEERING
Designer	KEITH AXTON
Project Manager	MICHAEL R. NESTOR, P.E.
Project Owner	CITY OF MORGANTOWN

APPROVED FOR PERMITS
DATE: 1/16/2024

APPROVED FOR BIDDING
DATE: 1/16/2024

APPROVED FOR CONSTRUCTION
DATE: _____

WEST VIRGINIA 811
CALL BEFORE YOU DIG!
IT'S THE LAW !

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE BASEED ON NAD83 WEST VIRGINIA STATE PLANES, NORTH ZONE, IN U.S. SURVEY FEET.

GENERAL NOTES

1. THE CONSTRUCTION DRAWINGS REPRESENT THE PROPOSED LAYOUT, CONTOURS, UTILITIES, AND ANCILLARY ITEMS NECESSARY TO COMPLETE THE SCOPE OF WORK AS IT IS INTENDED. SOME INCIDENTAL ITEMS THAT ARE NECESSARY TO COMPLETE THE SCOPE OF WORK INTENDED MAY NOT BE SHOWN.
2. ALL WORK PERFORMED AND MATERIAL PROVIDED/INSTALLED SHALL ADHERE TO THE CONSTRUCTION PLANS. LINES, GRADES, CROSS SECTIONS, DIMENSIONS, AND MATERIAL REQUIREMENTS SHALL BE FOLLOWED. ESTIMATED QUANTITIES ARE BASED ON THE PLANS AND LINEWORK PROVIDED. THE CONSTRUCTION PLANS ARE SUBJECT TO VARIATION NECESSARY TO OBTAIN SUBGRADE AND/OR FINAL GRADE SATISFACTORY TO THE ENGINEER. ANY VARIATION OF THE PROJECT PLANS SHALL BE REVIEWED BY AND APPROVED BY THE ENGINEER.
3. THE GOVERNING SPECIFICATIONS FOR THIS PROJECT ARE INCLUDED WITHIN THE CONSTRUCTION PLANS. ANY ITEMS NOT COVERED IN THE ASCENT CONSULTING AND ENGINEERING SPECIFICATIONS SHALL BE COVERED BY THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS, ROADS AND BRIDGES, (LATEST EDITION) SPECIFICATIONS ARE AVAILABLE AT http://www.transportation.wv.gov/highways/contractadmin/specifications/2010StandSpec/Pages/default.aspx
4. BASE MAPPING FOR THIS PROJECT WAS OBTAINED FROM ASCENT CONSULTING AND ENGINEERING, LLC IN AUGUST 2022. THE DATUM IS NAD83 WEST VIRGINIA STATE PLANES, NORTH ZONE, US FOOT.
5. THE CONTRACTOR SHALL HAVE A SUPERINTENDENT ON SITE THAT IS FAMILIAR WITH THE WORK TYPE, IS COMPETENT, AND WILL COORDINATE WITH THE ENGINEER AND OWNER AS NEEDED.
6. CLEARING SHALL BE COMPLETED IN ACCORDANCE WITH WVDOH SPECIFICATIONS. CLEARING IS DEFINED AS THE REMOVAL OF TREES, BRUSH, DOWN TIMBER, ROTTEN WOOD, RUBBISH, AND OTHER VEGETATION, AND OBJECTIONABLE MATERIALS AT OR ABOVE ORIGINAL GROUND ELEVATION NOT DESIGNATED TO BE RETAINED. CLEARING ALSO INCLUDES REMOVAL OF FENCES, POSTS, SIGNS, AND DEMOLITION OR REMOVAL OF OTHER OBSTRUCTIONS INTERFERING WITH THE PROPOSED WORK.
7. GRUBBING SHALL BE COMPLETED IN ACCORDANCE WITH WVDOH SPECIFICATIONS. REMOVAL ALL STUMPS AND ROOTS WITHIN THE CLEARED AREA UNLESS OTHERWISE APPROVED BY THE ENGINEER. GRUBBING IS DEFINED AS THE REMOVAL FROM BELOW THE ORIGINAL GROUND ELEVATION OF STUMPS, ROOTS, STUBS, BRUSH, ORGANIC MATERIALS AND DEBRIS AS WELL AS CONCRETE AND BRICK, AND OTHER OBSTRUCTIONS INTERFERING WITH THE PROPOSED WORK.
8. DEPOSITING OR BURYING, ON THE SITE, DEBRIS RESULTING FROM THE CLEARING AND GRUBBING IS **PROHIBITED.** TREES, LOGS, BRANCHES, STUMPS, AND OTHER DEBRIS RESULTING FORM CLEARING AND GRUBBING SHALL NOT BE USED AS STRUCTURAL FILL. CONTRACTOR SHALL DISPOSE ALL CLEARED & GRUBBED MATERIAL AT AN APPROVED SITE AS PART OF THE CONTRACTOR'S COST. BURNING IS ACCEPTABLE. HOWEVER, IF THE CONTRACTOR ELECTS TO BURN MATERIALS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS ASSOCIATED WITH BURNING.
9. STRIP TOPSOIL TO WHATEVER DEPTH IT MAY OCCUR FROM AREAS TO BE EXCAVATED, FILLED, OR GRADED. TOPSOIL EXCAVATION MUST BE COMPLETED SO THAT IT DOES NOT MIX WITH UNDERLYING SOIL OR WASTE MATERIAL. TOPSOIL REMOVAL VOLUMES FOR THIS PROJECT WERE CALCULATED USING A THICKNESS OF ZERO (0) INCHES. STOCKPILE TOPSOIL AT A LOCATION AS SHOWN AND APPROVED WITHIN THE PROJECT SWPPP. GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. PROTECT TOPSOIL STOCKPILES USING EROSION AND SEDIMENT CONTROL MEASURES AS DIRECTED WITHIN THE PROJECT SWPPP.
10. EARTHWORK OPERATIONS SHALL ADHERE TO THE FOLLWING: 8" LOOSE LIFTS AND 95% COMPACTION OF MAXIMUM DRY DENSITY AT MOISTURE CONTENT WITHIN +/- THREE (3) PERCENT OF THE OPTIMUM AS DETERMINED BY ASTM D698. ALL EARTHWORK SHALL FOLLOW THE LINES AND GRADES SHOWN ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
11. SUBSEQUENT TO THE REMOVAL OF THE TOPSOIL, AND PRIOR TO PLACEMENT OF FILL, THE EXPOSED SURFACE SHALL BE COMPACTED AND/OR PROOF ROLLED UNTIL A RELATIVELY UNYIELDING SURFACE IS ACHIEVED.
12. ON-SITE MATERIAL FOR USE AS FILL SHALL CONSIST OF EXCAVATED SOIL FROM OTHER PORTIONS OF THE SITE. THE CONTRACTOR SHALL USE THE ON-SITE SOIL TO ADHERE TO THE PROPER BALANCE AND PHASING OF EARTHWORK OPERATIONS. TOPSOIL MAY NOT BE UTILIZED AS ENGINEERED FILL. EXCAVATED MATERIAL CONTAINING ROCK, STONE OR MASONRY DEBRIS SMALLER THAN SIX INCHES IN ITS LARGEST DIMENSION, MAY BE MIXED WITH SUITABLE MATERIAL AND UTILIZED. SHOULD THE CONTRACTOR DISCOVER CONDITIONS THAT INDICATE THE SITE CUT/FILL IS UNBALANCED IN ANY WAY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
13. NO MATERIAL GREATER THAN SIX INCHES IN ITS LARGEST DIMENSION MAY BE UTILIZED INSIDE FILLING OPERATIONS.
14. SHOULD UNSUITABLE SOILS BE DISCOVERED BELOW THE PLANNED GRADE/ELEVATIONS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY. GENERALLY, SUCH UNSUITABLE MATERIAL MAY REQUIRE OVER-EXCAVATION EXTENDED BELOW THE REQUIRED ELEVATIONS. ANY SUCH ADDITIONAL EXCAVATION SHALL BE DIRECTED BY THE ENGINEER.
15. WHERE THE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION, UNIFORMLY APPLY WATER TO THE SURFACE OF THE SUBGRADE, OR LAYER OF SOIL MATERIAL, TO PREVENT FREE WATER APPEARING ON THE SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. WATER USED FOR COMPACTION SHALL BE PROVIDED BY THE CONTRACTOR.
16. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY. SOIL MATERIAL THAT HAS BEEN REMOVED BECAUSE IT IS TOO WET TO PERMIT COMPACTION MAY BE STOCKPILED OR SPREAD AND ALLOWED TO DRY. ASSIST DRYING BY DISKING, HARROWING OR PULVERIZING, UNTIL THE MOISTURE CONTENT IS REDUCED TO A SATISFACTORY VALUE, AS DETERMINED BY MOISTURE-DENSITY RELATION TESTS.
17. COMPACTOR FOR MASS EARTHWORK SHALL BE MINIMUM TEN TON STATIC DRUM WEIGHT VIBRATORY ROLLER OR TEN TON STATIC WEIGHT SHEEPSFOOT COMPACTOR AS APPROPRIATE FOR THE TYPE OF SOIL MATERIAL AT THE SITE OR OTHER COMPACTOR APPROVED BY THE ENGINEER.
18. EXISTING UTILITY LOCATIONS ARE SHOWN ON THE PLANS BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME FOR FIELD SURVEY. THE CONTRACTOR SHALL LOCATE AND VERIFY UTILITY LOCATIONS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL ALSO PROTECT EXISTING UTILITIES FROM DAMAGE BY EQUIPMENT OR PERSONNEL. THE CONTRACTOR SHALL CONTACT ALL UTILITY AGENCIES FOR FIELD MARKING PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR OWNER IN WRITING, OF ANY EXISTING DAMAGED UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY UTILITIES OR FACILITIES DAMAGED DURING THE PROJECT BY THE CONTRACTOR OR EQUIPMENT SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE.
19. ALL DISTURBED AREAS SHALL BE RESTORED AND GRADED TO DRAIN. THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. THE CONTRACTOR SHALL SEED AND MULCH ALL STOCKPILES.
20. THE CONTRACTOR SHALL PROVIDE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND OTHER ACTIONS AS PER THE APPROVED PROJECT SWPPP. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OR MODIFYING BEST MANAGEMENT PRACTICES DURING CONSTRUCTION IN ORDER TO PREVENT EROSION AND SEDIMENTATION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL FOR STANDARD GUIDELINES AND SPECIFICATIONS (LATEST EDITION)
22. THE CONTRACTOR SHALL VERIFY ALL PLAN ELEVATIONS AND DIMENSIONS FOR THIS PROJECT. ANY VARIATION FROM PLAN SHALL BE COORDINATED WITH THE ENGINEER.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A VALID WEST VIRGINIA CONTRACTOR'S LICENSE, GRADING PERMIT, AND ANY OTHER LOCAL, STATE, OR FEDERAL PERMITS REQUIRED FOR THE WORK HEREIN. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PAYING FEES FOR SUCH APPLICABLE PERMITS.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL LOCAL, STATE, OR FEDERAL TAXES INCLUDING BUT NOT LIMITED TO B&O TAX.

EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCES AND MAINTAIN FOR THE LIFE OF THE PROJECT AS REQUIRED.
2. CONTRACTOR SHALL INSTALL ALL REQUIRED SILT FENCE, AND/OR COMPOST FILTER SOCK AS SHOWN ON THE PLANS AND AS DIRECTED.
3. STRIP AND STOCKPILE TOPSOIL FOR THE PROPOSED PROJECT. TOPSOIL MAY BE RE-SPREAD IN DISTURBED AREAS.
4. CONTRACTOR SHALL IMMEDIATELY STABILIZE ALL EMBANKMENTS UPON COMPLETION.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE WVDEP NPDES GENERAL PERMIT FOR CONSTRUCTION STORMWATER.

MAINTENANCE AND INSPECTION NOTES

1. CONTRACTOR SHALL CLEAN OUT SEDIMENT BEHIND SILT FENCE, AND/OR COMPOST FILTER SOCKS ONCE IT IS ONE HALF OF THE HEIGHT OF THE FENCE AND/OR SOCK. THE SEDIMENT SHALL BE INCORPORATED INTO THE FILL WITHIN THE DISTURBED AREA.
2. INSPECTION OF ALL EROSION AND SEDIMENTATION CONTROLS AT A MINIMUM, PERFORMED ONCE EVERY FOUR CALENDAR DAYS AND WITHIN 24 HOURS OF ANY STORM EVENT GREATER THAN 0.25 INCHES PER 24 HOURS PERIOD. REPAIRS OR MAINTENANCE SHALL BE PERFORMED IMMEDIATELY TO BMP'S. PERMANENT STABILIZATION SHALL BE INSTALLED WITHIN 4 DAYS AFTER CONSTRUCTION HAS BEEN COMPLETED. LOCATE A RAIN GAUGE AT THE PROJECT TRAILER TO MONITOR.
3. REPAIRS OR MAINTENANCE TO BMPS SHALL BE PERFORMED AS SOON AS PRACTICABLE AFTER THE INSPECTION FOLLOWING THE 0.25-INCH RAIN EVENT IN A 24 HOUR PERIOD, AND REPAIRS SHALL BE RE-INSPECTED NO LATER THAN THE NEXT INSPECTION DATE. IF REPAIRS CANNOT BE COMPLETED WITHIN THAT 4-DAY PERIOD, THAT FACT SHALL BE EXPLAINED ON THE INSPECTION REPORT AND SUCH EXPLANATION SHALL INCLUDE AN ANTICIPATED COMPLETION DATE.
4. TEMPORARY SEEDING AND MULCHING SHALL BE INSTALLED WITHIN 4 DAYS WHEN AREAS WILL NOT BE RE- DISTURBED FOR MORE THAN 14 DAYS. PERMANENT SEEDING AND MULCHING SHALL BE INSTALLED WITHIN 4 DAYS OF REACHING FINAL GRADE

SEEDING AND MULCHING

1. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
2. WHERE THE INITIATION OF STABILIZATION MEASURES WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
3. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE FOURTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
4. SEEDBED PREPARATION: AREAS TO BE SEEDED SHALL BE FREE OF ROCKS AND STONES GREATER THAN 0.75 INCHES, DISKED TO A DEPTH OF 4-IN TO 6-IN, AND SMOOTHLY GRADED.
5. SEEDING METHOD: SEED MAY BE BROADCAST BY HYDROSEEDER OR MANUALLY AS FOLLOWS: BY HAND WITH A CYCLONE SEEDER, OR FERTILIZER SPREADER. IF A MANUAL METHOD IS USED, DIVIDE THE SEED INTO TWO LOTS AND BROADCAST THE SECOND PERPENDICULAR TO THE FIRST.
6. TOPSOIL SHALL BE REDISTRIBUTED ON ALL DISTURBED AREAS TO BE STABILIZED PRIOR TO SEEDING. TYPICALLY 3" OR 4".
7. AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RE-SEEDED IMMEDIATELY, OR AS SOON AS WEATHER CONDITIONS ALLOW.
8. TEMPORARY STABILIZATION

DATES:	MARCH 1 THROUGH JUNE 15
SEED:	OATS @ 168 LB/AC
DATES:	AUGUST 15 THROUGH NOVEMBER 1
SEED:	RYE @ 120 LB/AC
FERTILIZER:	10-10-10 @ 400 LB/AC

FOR STABILIZATION OUTSIDE SEEDING DATES, USE HAY OR STRAW MULCH AT 3 TONS/AC OR AT 2 TONS/AC IF ASPHALT EMULSION IS APPLIED AT 100 GAL/AC.

9. PERMANENT STABILIZATION

DATES:	MARCH, APRIL, AUGUST, & AUGUST
SEED:	KY-31 TALL FESCUE @ 50 LB/AC
FERTILIZER:	10-20-10 @ 1000 LB/AC
LIME:	3 TONS/AC OR PER SOIL TEST RESULTS
MULCH:	HAY OR STRAW @ 2 TONS/AC OR @ 1.5 TONS/AC WITH ASPHALT EMULSION @ 125 GAL/AC

SEQUENCE OF CONSTRUCTION - SITEWORK

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND ALL PERIMETER CONTROLS AS SHOWN ON THE PLANS AND MAINTAIN EACH FOR THE LIFE OF THE PROJECT OR UNTIL THERE IS MINIMUM OF 70% GROWTH ESTABLISHED OVER THE ENTIRE PROJECT AREA.
2. DEMOLISH AND PROPERLY DISPOSE OF EXISTING FENCE, TENNIS COURT SURFACE, OLD TENNIS NETS AND POST, BASKETBALL HOOPS, AND EXISTING DRAINAGE SYSTEM ON THE COURT.
3. INSTALL STREAM PUMP AROUND SYSTEM.
4. STRIP AND STOCKPILE TOPSOIL.
5. COMPLETE STREAM WIDENING GRADING OPERATIONS. INSTALL RIP-RAP ARMOR ON STREAMBANK TO STABILIZE THE AREA.
6. THE CONTRACTOR SHALL WORK WITH THE ENGINEER TO DETERMINE THE MOST SUITABLE METHOD FOR CONTROLLING RUNOFF BASED UPON CURRENT FIELD CONDITIONS. THE CONTRACTOR SHALL FURNISH, OPERATE, MAINTAIN, AND REMOVE ANY NECESSARY TEMPORARY DEWATERING SYSTEMS USED TO CONTROL SURFACE WATER AND GROUNDWATER (IF OCCURRED) TO PROVIDE STABLE WORKING CONDITIONS. TEMPORARY DEWATERING SYSTEMS MAY INCLUDE, BUT ARE NOT LIMITED TO, PUMP AROUNDS WITH FILTER BAGS, UPSLOPE DIVERSION CHANNELS, OR UTILIZING THE DRAINAGE SYSTEM OF THE FILL SLOPES AS THEY ARE BEING INSTALLED FROM EITHER THE TOE KEY UP OR AS THE FILL SLOPE BENCH DRAINS ARE BEING INSTALLED.
7. INSTALL PROPOSED DRAINAGE SYSTEM AND DITCHES.
8. MAKE ALL NECESSARY REPAIRS TO THE EXISTING COURT SURFACE (FILL IN CRACKS, PATCHWORK, REPAIRS WHERE OLD POST AND TRENCH DRAINS, ETC.).
9. CLEAN COURT OF ALL DEBRIS OR DIRT BEFORE RESURFACING.
10. RESURFACE ALL EXISTING COURTS.
11. INSTALL NEW FENCING, TENNIS NET POSTS, PICKLEBALL NET POSTS, BASKETBALL HOOPS, AND BENCHES.
12. STRIPE ALL NEW COURT LAYOUTS FOR BASKETBALL, TENNIS, AND PICKLEBALL.
13. APPLY TOP COAT SEALER TO ENTIRE SURFACE.
14. INSTALL NEW TENNIS AND PICKLEBALL NETS.
15. RE-DISTRIBUTE TOPSOIL THEN SEED AND MULCH ALL DISTURBED AREAS.
16. REMOVE TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES ONCE MINIMUM 70% GROWTH HAS BEEN ESTABLISHED OVER THE ENTIRE PROJECT AREA.
17. COMPLETE FINAL PROJECT CLEAN UP.

CONTACTS

MISS UTILITY
1-800-245-4848
http://www.wv811.com

NATIONAL RESPONSE CENTER FOR REPORTING CHEMICAL OR OIL SPILLS
1-800-424-8802

STATE EMERGENCY SPILL NOTIFICATION
1-800-642-3074

AMBULANCE, FIRE, LAW ENFORCEMENT
911

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REVISION BLOCK

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ASCENT Consulting & Engineering

KREPPS PARK
TENNIS COURTS MODIFICATION
MONONGALIA COUNTY, WV

KREPPS PARK - TENNIS COURT MODIFICATIONS
GENERAL NOTES

DATE:	01/16/2024	DRAWN BY:	KWA
DRAWING SCALE:	AS SHOWN	CHECKED BY:	MRN
PROJECT NUMBER:	3004	APPROVED BY:	MRN

SHEET No.
2

EXISTING 4" PLASTIC
INV. = 974.32'

EXISTING METAL PIPE

EXISTING CULVERT 12"
INV. = 975.36'

EXISTING BUILDING
FFE = 983.46'

EXISTING SIDEWALK

EXISTING MANHOLE
TOP ELEV.= 981.30'
DEPTH = 970.60'

EXISTING 6" PLASTIC
INV. = 978.08'

EXISTING FENCE (TYP)

4.7'

17.7'

REMOVE EXISTING FENCE

EXISTING TENNIS COURT
SURFACE TO BE REMOVED
& PROPERLY DISPOSED

REMOVE EXISTING FENCE

EXISTING 24" PVC
INV. = 974.45'

EXISTING MANHOLE
TOP ELEV. = 977.97'
INV. IN = 972.37'
INV. OUT = 972.12'

POPENOE RUN (STREAM)

EXISTING BRIDGE

EXISTING 24" CONCRETE
INV. ELEV. = 976.66'

EXISTING 4" PLASTIC
INV. ELEV. = 976.93'

EXISTING SIDEWALK

EXISTING TREE LINE

EXISTING BASKETBALL COURT
SURFACE TO BE REPLACED

EXISTING TENNIS COURT
SURFACE TO BE REPLACED

TENNIS COURT

9.0'

17.8'

BASKETBALL COURT

EXISTING ASPHALT
PARKING LOT

EXISTING 100-YR
FLOODPLAIN ELEVATION

EXISTING CATCH BASIN
TOP ELEV. = 981.30'
INV. IN = 978.90'
INV. OUT = 978.45'

EXISTING CATCH BASIN
TOP ELEV. = 981.31'
INV. IN = 978.46'
INV. IN = 978.16'
INV. OUT = 977.41'

EXISTING TRENCH DRAIN
TO BE REMOVED

EXISTING TRENCH DRAIN
TO BE REMOVED

EXISTING
SIDEWALK (TYP)

EXISTING ELECTRIC
RISER BOX (TYP)

980 975 985 990 995

SAN STM

LEGEND

- EXISTING BUILDING
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING BRIDGE
- EXISTING CASING
- EXISTING SANITARY SEWER LINE
- EXISTING STORM CULVERT
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING STREAM
- EXISTING FLOOD PLAN
- EXING TREE LINE
- EXISTING SURFACE AREA TO BE DEMOLISHED

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KREPPS PARK
TENNIS COURTS MODIFICATION
MONONGALIA COUNTY, WV

KREPPS PARK - TENNIS COURT MODIFICATIONS
EXISTING CONDITIONS & DEMOLITION PLAN

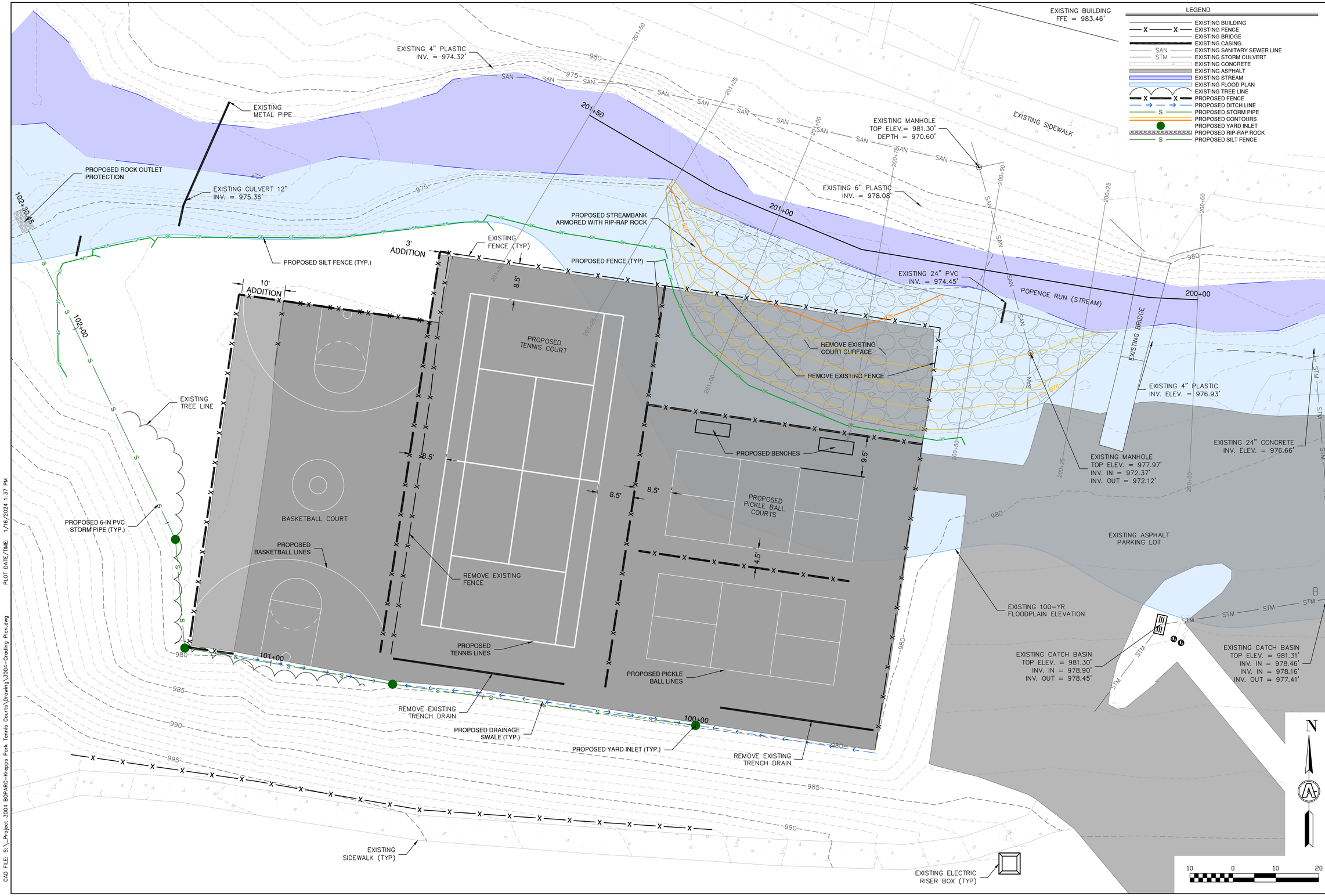
DATE:	01/16/2024	DRAWN BY:	KWA
DRAWING SCALE:	AS SHOWN	CHECKED BY:	MRN
PROJECT NUMBER:	3004	APPROVED BY:	MRN

SHEET No.
3

10 0 10 20

PLOT DATE/TIME: 1/16/2024 1:33 PM

CAD FILE: S:_Project 3004 BOPARC-Krepps Park Tennis Courts\Drawing\3004-Existing Conditions.dwg



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KREPPS PARK
TENNIS COURTS MODIFICATION
MONONGALIA COUNTY, WV

KREPPS PARK - TENNIS COURT MODIFICATIONS

SITE, GRADING, AND ESC PLAN

DATE:	01/16/2024	DRAWN BY:	KWA
DRAWING SCALE:	AS SHOWN	CHECKED BY:	MRN
PROJECT NUMBER:	3004	APPROVED BY:	MRN

SHEET No.

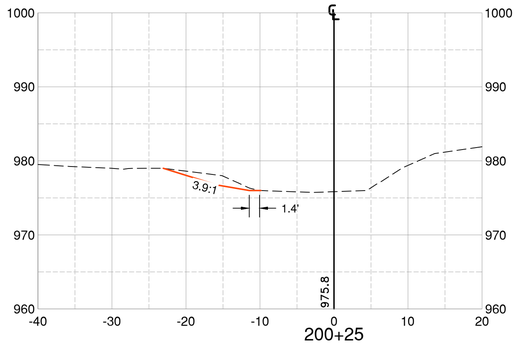
4

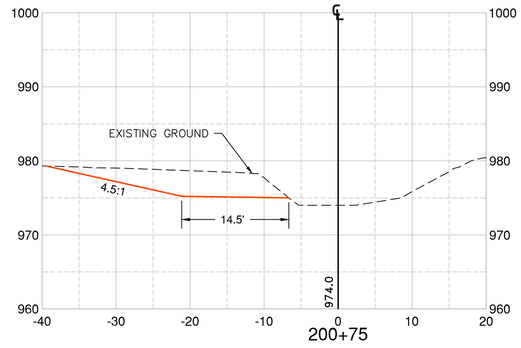
CAD FILE: S:_Project 3004 BOPARC-Krepps Park Tennis Courts\Drawing\3004-Grading Plan.dwg PLOT DATE/TIME: 1/16/2024 1:37 PM

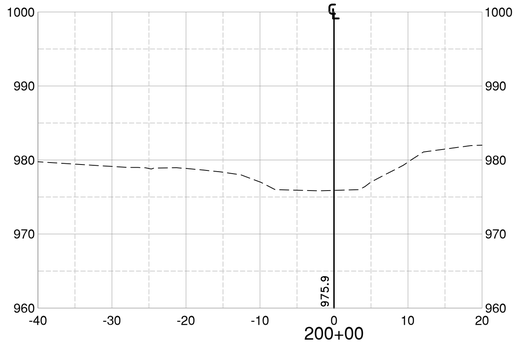
LEGEND

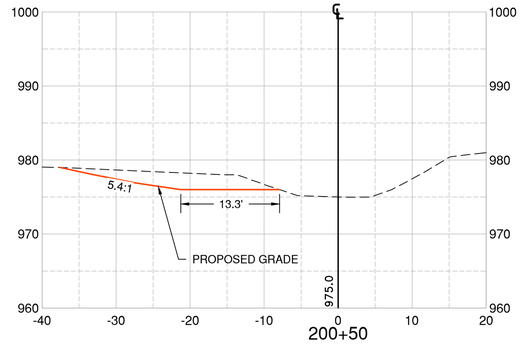
EXISTING GROUND

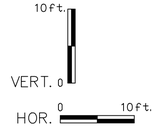
PROPOSED GRADE











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TENNIS COURTS MODIFICATION
MONONGALIA COUNTY, WV

KREPPS PARK - TENNIS COURT MODIFICATIONS

STREAM CROSS SECTIONS

DATE:	01/16/2024	DRAWN BY:	KWA
DRAWING SCALE:	AS SHOWN	CHECKED BY:	MRN
PROJECT NUMBER:	3004	APPROVED BY:	MRN

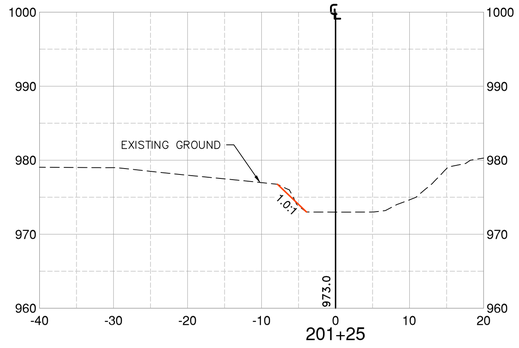
SHEET No.

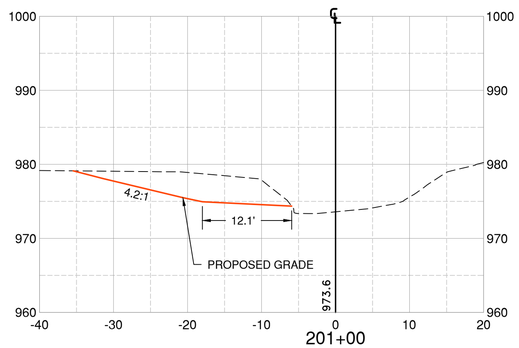
5

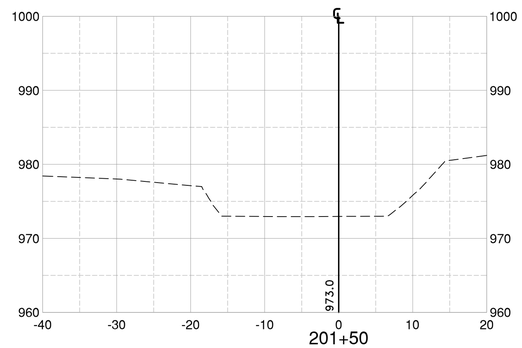
CAD FILE: S:_Project 3004 BOPARC--Krepps Park Tennis Courts\Drawing\3004--Grading Plan.dwg PLOT DATE/TIME: 1/16/2024 1:30 PM

LEGEND

EXISTING GROUND
PROPOSED GRADE







VERT. 0 — 10 ft.

HOR. 0 — 10 ft.

REVISION BLOCK

NO.	BY	DATE	DESCRIPTION

1700 ANMOORE ROAD
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ASCENT Consulting & Engineering

KREPPS PARK
TENNIS COURTS MODIFICATION
MONONGALIA COUNTY, WV

KREPPS PARK - TENNIS COURT MODIFICATIONS

STREAM CROSS SECTIONS

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PROJECT NUMBER:	3004	APPROVED BY:	MRN

SHEET No.

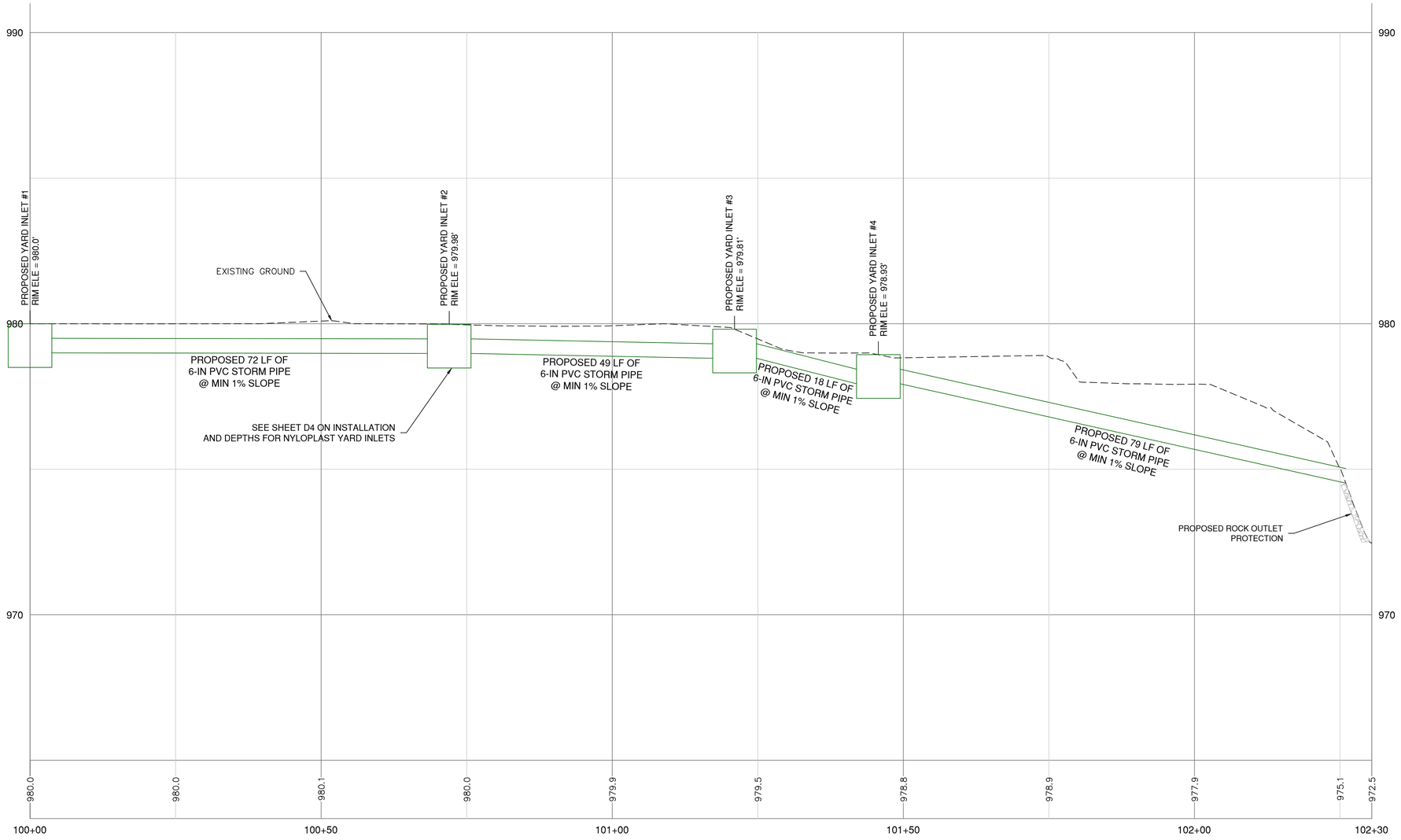
6

CAD FILE: S:_Project 3004 BOPARC-Krepps Park Tennis Courts\Drawing\3004-Grading Plan.dwg PLOT DATE/TIME: 1/16/2024 1:30 PM

LEGEND

EXISTING GROUND
PROPOSED GRADE
PROPOSED STORM DRAINAGE SYSTEM

PROPOSED STORM DRAINAGE SYSTEM



2ft.
VERT. 0

0 10ft.
HOR.

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KREPPS PARK
TENNIS COURTS MODIFICATION
MONONGALIA COUNTY, WV

KREPPS PARK - TENNIS COURT MODIFICATIONS
PROPOSED STORM PROFILE

DATE:	01/16/2024	DRAWN BY:	KWA
DRAWING SCALE:	AS SHOWN	CHECKED BY:	MRN
PROJECT NUMBER:	3004	APPROVED BY:	MRN

SHEET No.
7

CAD FILE: S:_Project 3004 BOPARC-Krepps Park Tennis Courts\Drawing\3004-Grading Plan.dwg PLOT DATE/TIME: 1/16/2024 1:30 PM

REPRODUCED FROM *FILTREXX LOW IMPACT DESIGN MANUAL* PAGE 324.

Slope Percent	Maximum Slope Length Above Sediment Control in Feet (Meters) *				
	8-IN (200-mm) Sediment Control	12-IN (300-mm) Sediment Control	18-IN (450-mm) Sediment Control	24-IN (600-mm) Sediment Control	32-IN (800-mm) Sediment Control
	6.5-IN (160-mm) **	9.5-IN (240-mm) **	14.5-IN (360-mm) **	19-IN (480-mm) **	26-IN (650-mm) **
2 (or less)	600 (180)	750 (225)	1000 (300)	1300 (400)	1650 (500)
5	400 (120)	500 (150)	550 (165)	650 (200)	750 (225)
10	200 (60)	250 (75)	300 (90)	400 (120)	500 (150)
15	140 (40)	170 (50)	200 (60)	325 (100)	450 (140)
20	100 (30)	125 (38)	140 (42)	260 (80)	400 (120)
25	80 (24)	100 (30)	110 (33)	200 (60)	275 (85)
30	60 (18)	75 (23)	90 (27)	130 (40)	200 (60)
35	60 (18)	75 (23)	80 (24)	115 (35)	150 (45)
40	60 (18)	75 (23)	80 (24)	100 (30)	125 (38)
45	40 (12)	50 (15)	60 (18)	80 (24)	100 (30)
50	40 (12)	50 (15)	55 (17)	65 (20)	75 (23)

* Based on a failure point of 36-IN (0.9-m) super silt fence (wire reinforced) at 1000-FT (303-m) of slope, watershed width equivalent to receiving length of sediment control device, 1-IN/24-HR (25-mm/24-HR) rain event.

** Effective height of Sediment Control after installation and with constant head from runoff as determined by Ohio State University.

RESTRICTIONS
(1) COMPOST FILTER SOCK WILL NOT BE PLACED IN ANY AREA OF CONCENTRATED FLOWS SUCH AS SWALES, DITCHES, CHANNELS, ETC.
(2) COMPOST FILTER SOCK WILL NOT BE USED IN AREA WHERE ROCK OR ROCKY SOILS PREVENT THE FULL AND UNIFORM ANCHORING OF THE COMPOST FILTER SOCK.
(3) COMPOST FILTER SOCK WILL NOT BE PLACED ACROSS THE ENTRANCES TO PIPES OR CULVERTS AND WILL NOT BE WRAPPED AROUND THE PRINCIPAL SPILLWAY STRUCTURES OF SEDIMENT TRAPS OR BASINS.

INSTALLATION
(1) COMPOST FILTER SOCK WILL BE INSTALLED WITH LITTLE, IF ANY DISTURBANCE TO THE DOWNSLOPE SIDE OF THE COMPOST FILTER SOCK.

COMPOST SHALL MEET THE FOLLOWING STANDARDS:

ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.0
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBBLE SALT CONCENTRATION	5.0 dS MAXIMUM

COMPOST FILTER SOCK TO BE INSTALLED IN ACCORDANCE WITH FILTREXX MANUFACTURER SPECIFICATIONS, OR AN APPROVED EQUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8' UP SLOPE AT 45° TO THE MAIN SOCK ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY DIAMETER SOCK SHALL NOT EXCEED THAT SHOWN ON BELOW TABLE.

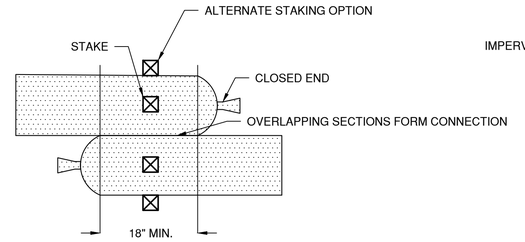
TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

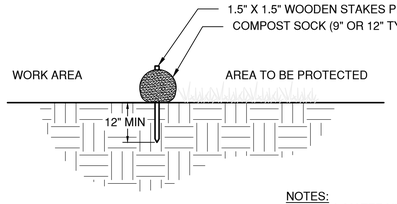
SOCKS SHALL BE INSPECTED AS DESCRIBED IN THE MAINTENANCE AND INSPECTION NOTES IN THE EROSION AND SEDIMENT CONTROL NOTES OF THESE PLANS. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1YR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

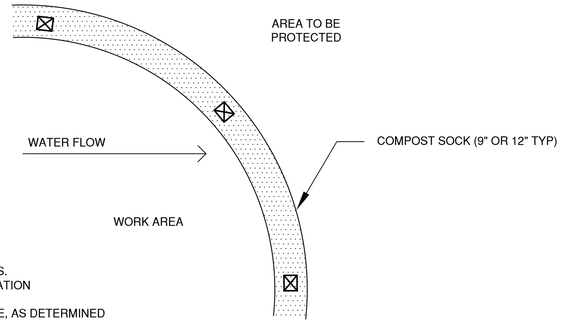
UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, ALL STAKES SHALL BE REMOVED. DEGRADABLE FILTER SOCK MAY BE LEFT IN PLACE AND VEGETATED - THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT PRIOR TO SEEDING. THE MESH FROM ALL POLYPROPYLENE FILTER SOCKS SHALL BE REMOVED - THE MULCH SHALL BE SPREAD AS A SOIL SUPPLEMENT PRIOR TO SEEDING.



FILTREXX® COMPOST SOCK CONNECTION / ATTACHMENT DETAIL
(OR EQUAL)
NOT TO SCALE



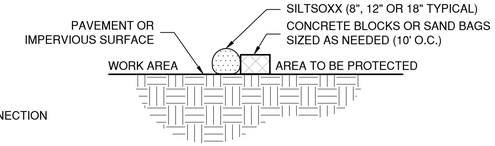
SECTION (NTS)



PLAN (NTS)

NOTES:
1. ALL MATERAIL TO MEET SPECIFICATIONS.
2. COMPOST SOCKS FILL TO MEET APPLICATION REQUIREMENTS.
3. FILTER MEDIA TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FILTREXX® COMPOST SOCKS FOR SEDIMENT CONTROL
OR EQUAL
NOT TO SCALE



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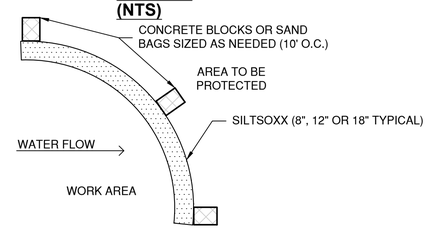
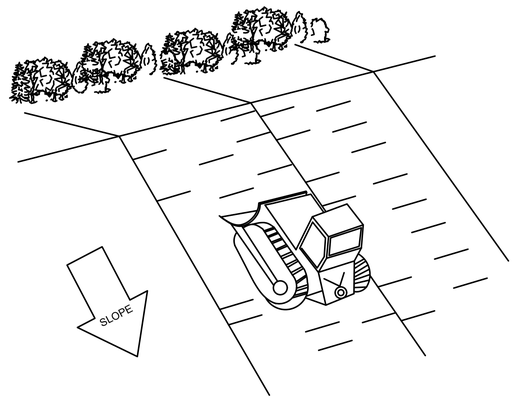


PLAN (NTS)

NOTES:
1. ALL MATERAIL TO MEET SPECIFICATIONS.
2. COMPOST SOCKS FILL TO MEET APPLICATION REQUIREMENTS.
3. FILTER MEDIA TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

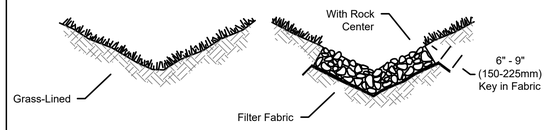
FILTREXX® SEDIMENT CONTROL ON PAVEMENT
(OR EQUAL)
NOT TO SCALE



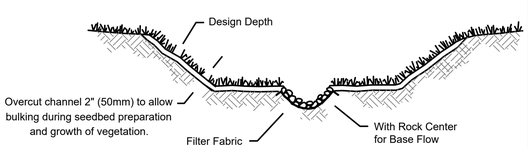
TRACKING SLOPE IS DONE BY RUNNING TRACKED MACHINERY UP AND DOWN THE SLOPE, LEAVING TREAD MARKS PARALLEL TO THE CONTOUR. (NOTE: IF A BULLDOZER IS USED, THE BLADE SHOULD BE UP). CARE SHOULD BE EXERCISED ON SOILS HAVING A HIGH CLAY CONTENT TO AVOID OVER-COMPACTION.

CONSTRUCTED SLOPE TRACKING
NOT TO SCALE

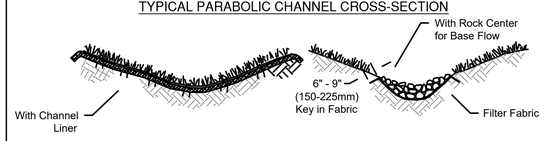
TYPICAL V-SHAPED CHANNEL CROSS-SECTION



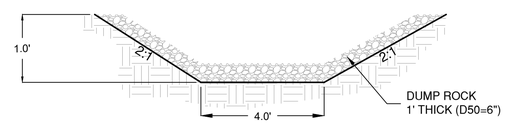
TYPICAL TRAPEZOIDAL CHANNEL CROSS-SECTION



TYPICAL PARABOLIC CHANNEL CROSS-SECTION



ROCK-LINED DITCH
NOT TO SCALE



NOTES:
1. INSTALL WHERE DITCH LINE SLOPES ARE 8% OR STEEPER

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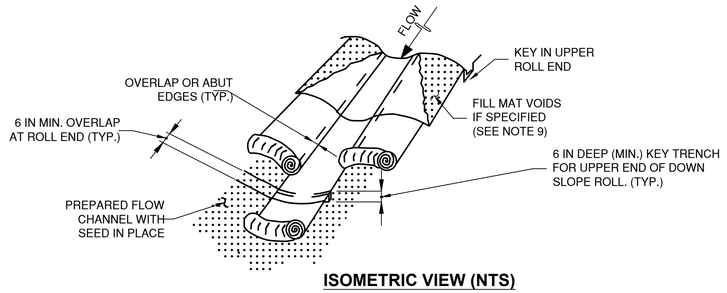
SHEET No.
D1

CAD FILE: S:_Project 3004 BOPARC-Krepps Park Tennis Courts\Drawing\3004-Details.dwg PLOT DATE/TIME: 1/16/2024 10:51 AM

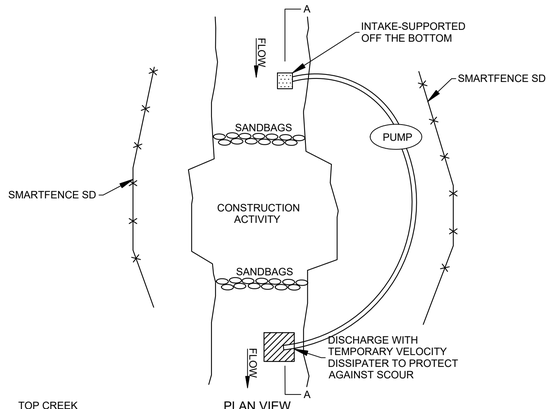


ISOMETRIC VIEW (NTS)

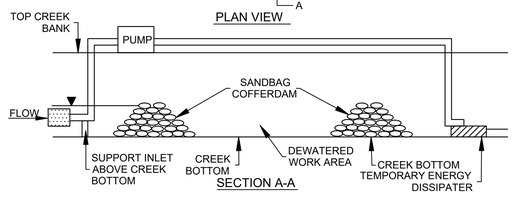
NOTES:

1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE PERMANENT SOIL STABILIZATION MATTING MADE OF OPEN WEAVE SYNTHETIC, NON-DEGRADABLE FIBERS OR ELEMENTS OF UNIFORM THICKNESS AND DISTRIBUTION THROUGHOUT. CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-INJURIOUS TO THE SKIN. IF SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES OR WOOD STAKES, STAPLES MUST BE "U" OR "I" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND A NO. 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 1 ½ INCHES WIDE AND BE A MINIMUM OF 6 INCHES LONG. "I" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1X3 INCH IN CROSS SECTION, AND WEDGE SHAPE AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS, UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
5. UNROLL MATTING IN DIRECTION OF WATER FLOW, CENTERING THE FIRST ROLL ON THE CHANNEL CENTER LINE. WORK FROM CENTER OF CHANNEL OUTWARD WHEN PLACING ROLLS. LAY MATTING SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE, AVOID STRETCHING THE MATTING.
6. OVERLAP OR ABUT EDGES OF MATTING ROLLS PER MANUFACTURER RECOMMENDATIONS, OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE NEXT DOWNSTREAM MAT.
7. KEY IN THE TOP OF SLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.
8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. IF SPECIFIED BY THE DESIGNER OR MANUFACTURER AND DEPENDING ON THE TYPE OF MAT BEING INSTALLED, ONCE THE MATTING IS KEYED AND STAPLED IN PLACE, FILL THE MAT VOIDS WITH TOP SOIL OR GRANULAR MATERIAL AND LIGHTLY COMPACT OR ROLL TO MAXIMIZE SOIL/MAT CONTACT WITHOUT CRUSHING MAT.
10. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

PERMANENT SOIL STABILIZATION MATTING CHANNEL APPLICATION
NOT TO SCALE



PLAN VIEW



SECTION A-A

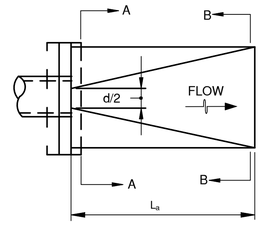
PUMP AROUND DETAIL
NOT TO SCALE

NOTES:

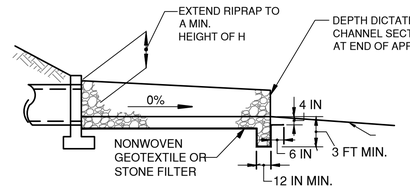
1. RIPRAP AND STONE MUST CONFORM TO THE SPECIFIED CLASS.
2. USE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, AND PROTECT FROM PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE TOGETHER.
3. PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER @ TO 1 ½ INCH MINIMUM STONE FOR 6 INCH MINIMUM DEPTH) AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
4. EXTEND GEOTEXTILE AT LEAST 6 INCHES BEYOND EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES AT SIDES OF RIPRAP.
5. CONSTRUCT RIPRAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIPRAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE RIPRAP IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR GEOTEXTILE. HAND PLACE TO TEH EXTENT NECESSARY.
6. WHERE NO ENDWALL IS USED, CONSTRUCT THE UPSTREAM END OF THE APRON SO THAT THE WIDTH IS TWO TIMES THE DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET BY A MINIMUM OF 18 INCHES.
7. CONSTRUCT APRON WITH 0% SLOPE ALOND ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS IN WITH EXISTING GROUND.
8. MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND RIPRAP DISLODGED RIPRAP. MAKE NECESSARY REPAIRS IMMEDIATELY.

OUTLET PROTECTION
NOT TO SCALE

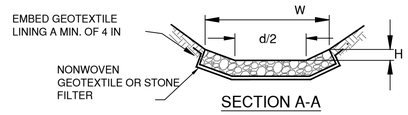
OUTLET PROTECTION A



PLAN VIEW

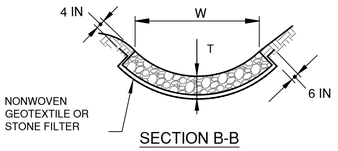


PROFILE



SECTION A-A

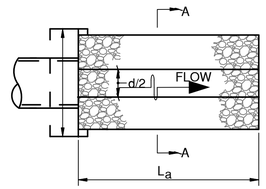
CHANNEL CROSS SECTION WILL TRANSITION FROM A-A TO B-B



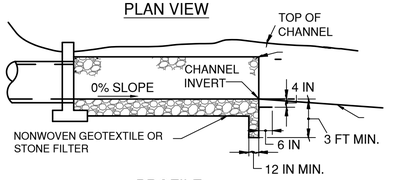
SECTION B-B

RIPRAP SLOPE TO DRAIN	
CLASS	THICKNESS (T)
I	19 IN
II	32 IN
III	46 IN

OUTLET PROTECTION B



PLAN VIEW



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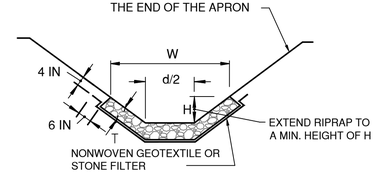
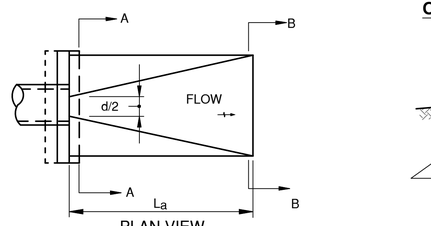


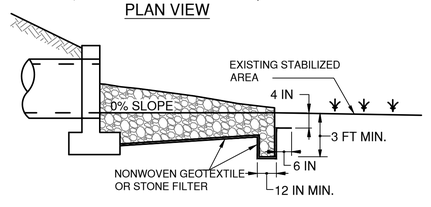
SECTION A-A

RIPRAP SLOPE TO DRAIN	
CLASS	THICKNESS (T)
I	19 IN
II	32 IN
III	46 IN

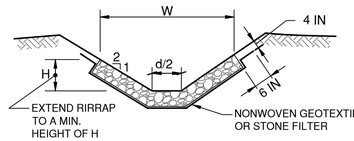
OUTLET PROTECTION C



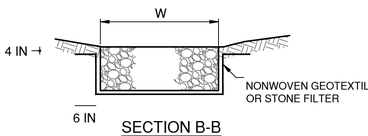
PLAN VIEW



PROFILE



SECTION A-A



SECTION B-B

RIPRAP	
CLASS	THICKNESS (T)
I	19 IN
II	32 IN
III	46 IN

REVISION BLOCK

NO.	BY	DATE	DESCRIPTION

1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
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ASCENT Consulting & Engineering

KREPPS PARK
TENNIS COURTS MODIFICATION
MONONGALIA COUNTY, WV

KREPPS PARK - TENNIS COURT MODIFICATIONS
DETAILS

DATE:	01/16/2024	DRAWN BY:	KWA
DRAWING SCALE:	AS SHOWN	CHECKED BY:	MRN
PROJECT NUMBER:	3004	APPROVED BY:	MRN

SHEET No.

D2

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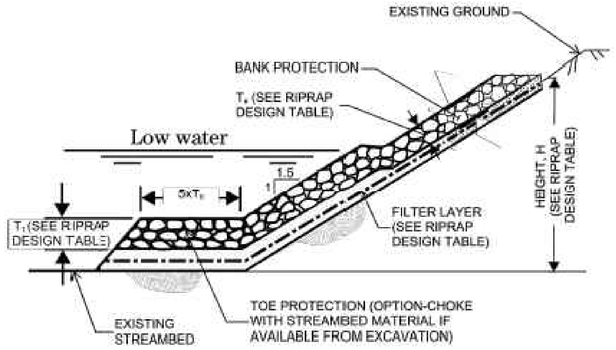
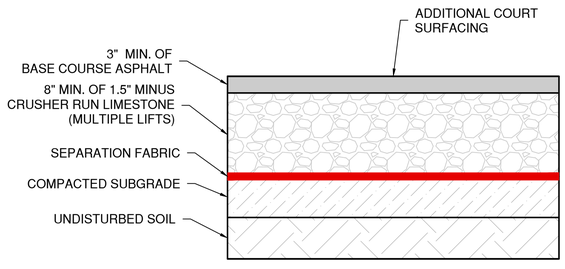
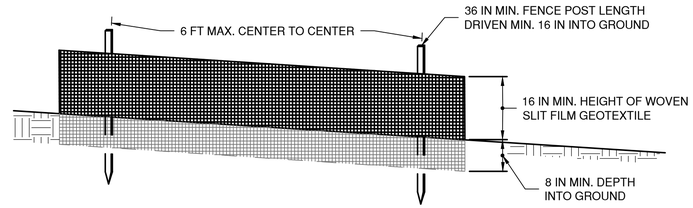


NOTE: REFER TO RIPRAP AND GEOTEXTILE PLACEMENT NOTES ON THIS SHEET.

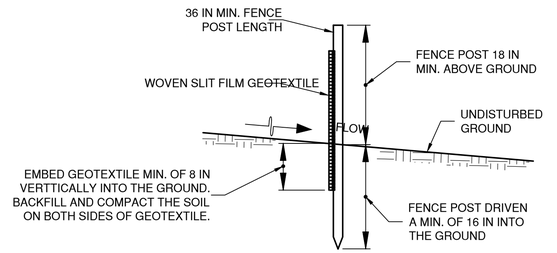
RIPRAP STREAMBANK PROTECTION
N.T.S.



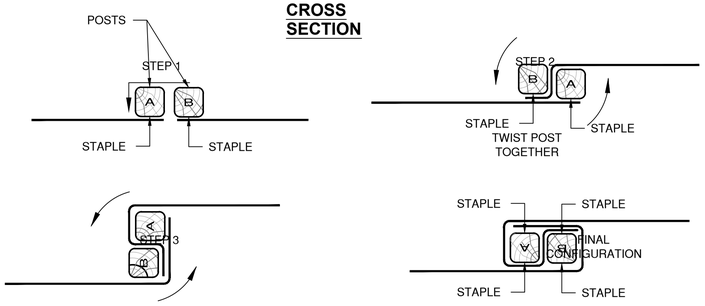
TYPICAL SECTION FOR NEW PLAYING SURFACE
NOT TO SCALE



ELEVATION



CROSS SECTION



JOINING TWO ADJACENT SILT FENCE SECTIONS (TOP VIEW)

NOTES:

1. USE WOOD POST 1 $\frac{3}{4}$ X 1 $\frac{3}{4}$ ± $\frac{1}{16}$ INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FEET.
2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
3. USE WOVEN SUT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND, BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT, REPLACE GEOTEXTILE IF TORN, IF UNDERMINING OCCURS, REINSTALL FENCE.

SILT FENCE DETAIL

NTS

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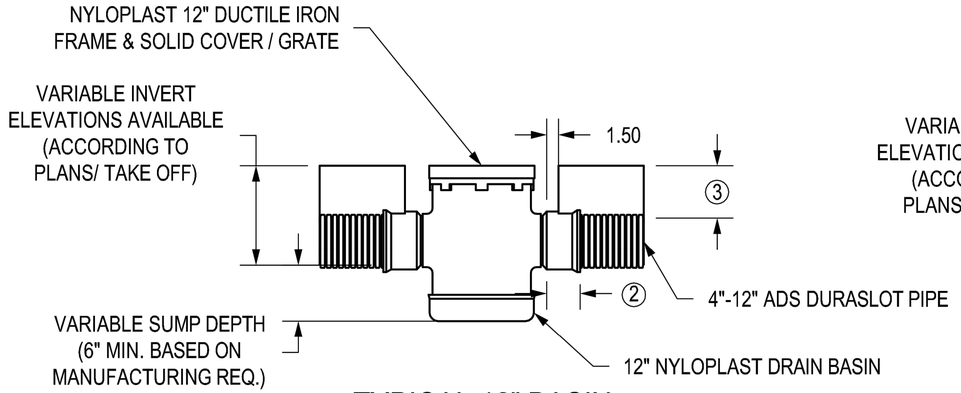
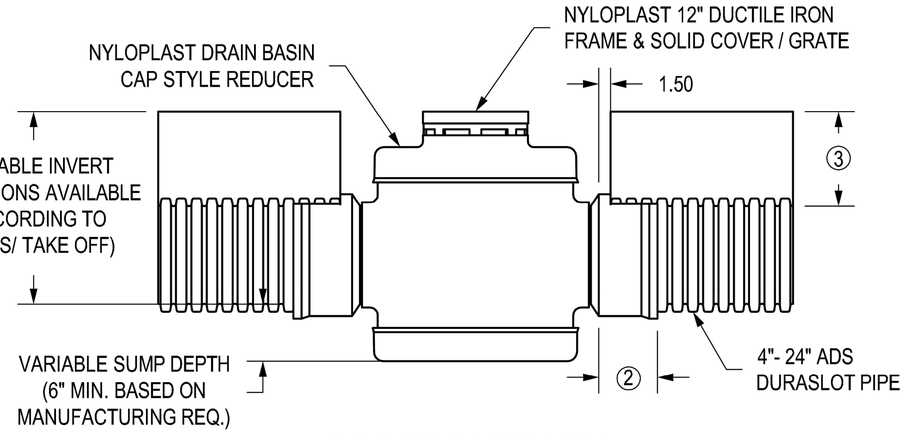
PROJECT NUMBER:	3004	APPROVED BY:	MRN

SHEET No.
D3

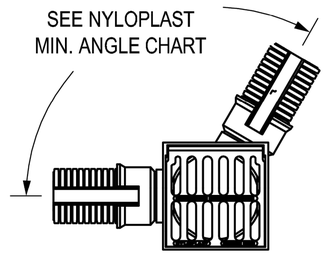
NYLOPLAST DRAIN BASIN STANDARD DETAIL FOR 4" - 24" DURASLOT PIPE



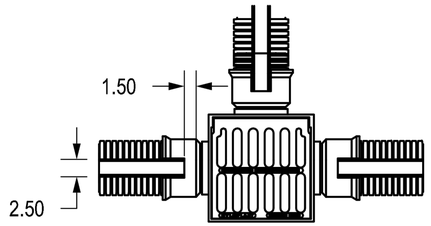
TYPICAL 12" BASIN



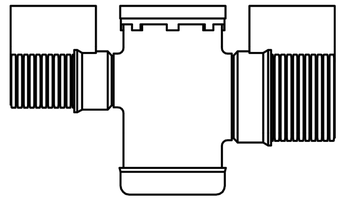
15"-24" DRAIN BASIN



CHANGE IN PIPE ANGLES



MULTIPLE CONNECTIONS
(MORE THAN 2)

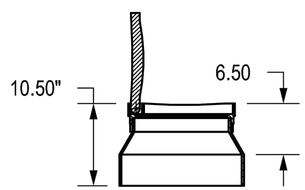


CHANGE IN DURASLOT PIPE DIAMETER

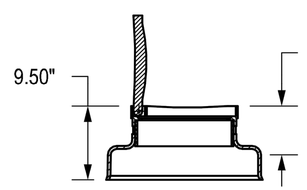
NYLOPLAST 12" CASTINGS			
GRATE OPTIONS	**LOAD RATING**	**PART #**	**DRAWING #**
STANDARD	MEETS H-20	1299CGS	7001-110-203
SOLID COVER	MEETS H-20	1299CGC	7001-110-204

1 - NYLOPLAST 12" FRAMES & SOLID COVERS/GRATES SHALL CONFORM TO ASTM A 536 GRADE 70-50-05 FOR DUCTILE IRON.
2 - ADAPTERS FOR DURASLOT CONNECTION RANGE BETWEEN 4"-24". SEE DRAWING NO. 7001-110-275 FOR ADS N-12 BELL INFORMATION.
3 - SLOT HEIGHT VARIES DEPENDING ON DESIGN CRITERIA. SLOT HEIGHT CAN RANGE FROM 2.5" TO 36". 15" - 24" BASINS WILL REQUIRE SLOTS TALLER THAN STANDARD 2.5" -6" SLOTS.
4 - ENCASE ADAPTER IN CONCRETE TO SEAL CONNECTION BETWEEN ADS DURASLOT PIPE AND NYLOPLAST TEE BODY.
5 - RECTANGULAR SLOTS ARE TO BE CUT INTO BELL ON NYLOPLAST TEE DURING THE MANUFACTURING PROCESS TO ALLOW PIPE AND TEE TO FIT PROPERLY.
6 - 18" AND 24" REDUCERS ARE A CUSTOM PART. 15" X 12" CONE STYLE REDUCER IS TYPICAL BUT REQUIRES TOP TO BE TRIMMED. BASINS WITH REDUCERS WILL REQUIRE CUSTOM SLOT HEIGHTS.
7 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY. DIMENSIONS ARE IN INCHES.

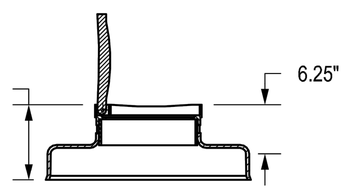
USES FOR DURASLOT BASINS



15" x 12" CONE STYLE REDUCER



18" x 12" PULLED REDUCER



24" x 12" PULLED REDUCER

15" - 24" BASIN REDUCER OPTIONS

DRAWN BY	NMH	MATERIAL	
DATE	3-27-20		
APPD BY	NMH	PROJECT NO./NAME	
DATE	3-27-20		
DWG SIZE	A	SCALE 1:25	SHEET 1 OF 1

3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

TITLE
12" - 24" DRAIN BASIN STANDARD DETAIL FOR
4" - 24" DURASLOT PIPE

DWG NO. 7001-110-572 REV A

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SHEET No.
D4

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