SITE DEVELOPMENT PLAN

FOR

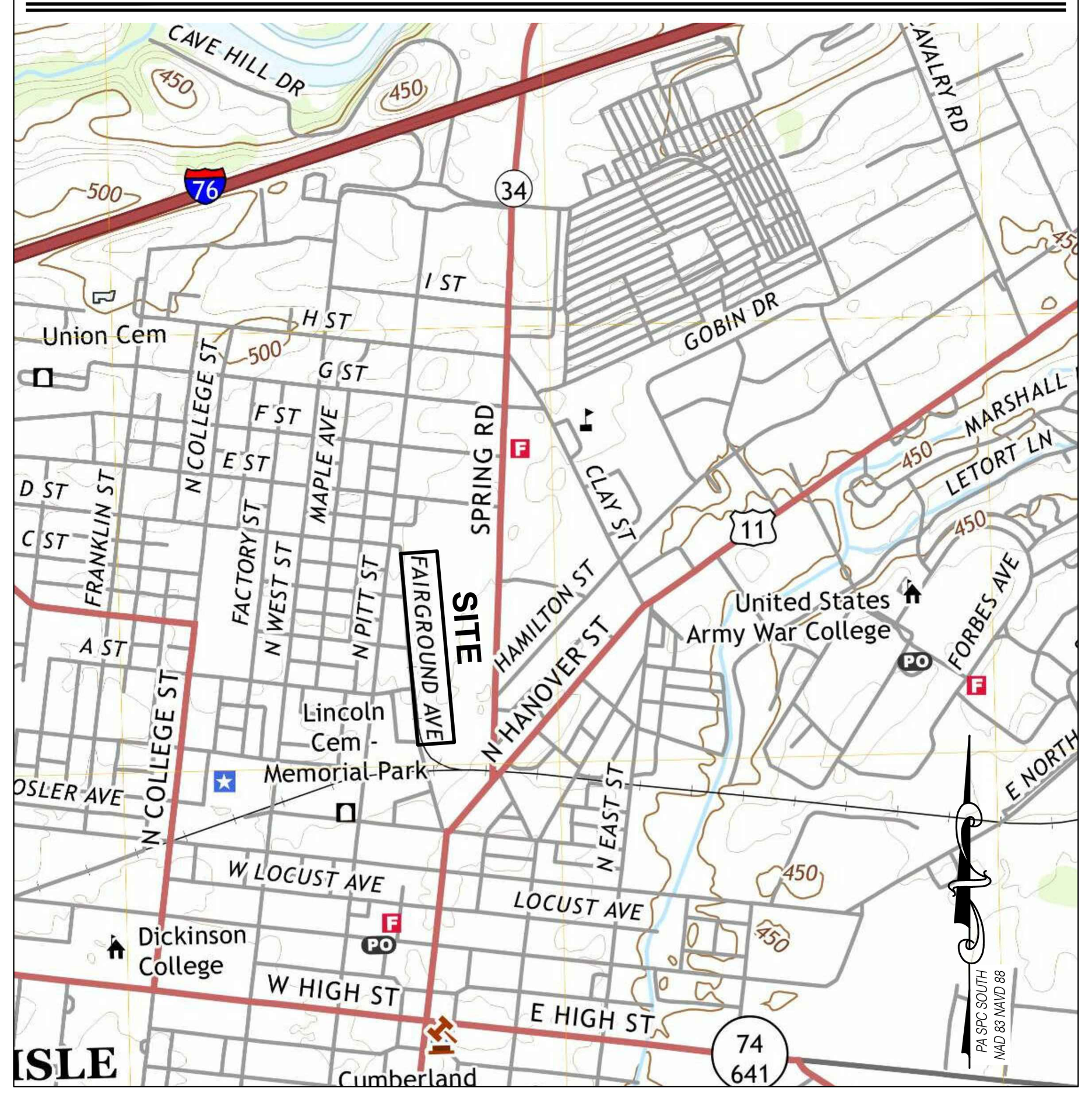
FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH
OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET

CUMBERLAND COUNTY, PENNSYLVANIA

VICINITY MAP

SCALE: 1" = 2000'   USGS MAPS (CARLISLE 2019)



OWNER/DEVELOPER:
BOROUGH OF CARLISLE
53 WEST SOUTH STREET
CARLISLE, PA 17013

ATTN: ANDREA CROUSE, PARKS AND RECREATION DIRECTOR
PHONE: (717) 249-4422

CIVIL ENGINEER / SURVEYOR:
FSA INC.
505 SOUTH HANOVER STREET
CARLISLE, PA, 17013

PM: CHRIS CHIAMPI
EMAIL: cchiampi@fsa-inc.com
PHONE: (717) 701-8111

LOCATION PLAN

SCALE: 1" = 400'

TAX MAP - GRID - PARCEL: 06-20-1800-078EX00001
06-20-1800-084EX00001

SHEET INDEX

SKATEPARK PLANS
BY OTHERS. SEE ARMENT CONCRETE, LLC CONSTRUCTION PLANS

PROJECT STATEMENT

The purpose of this project is to develop Lot A of the Former IAC Site into a skatepark and Lot D into a passive recreation park.

APPROVALS

ENGINEER'S CERTIFICATION

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 Pennsylvania.
The Engineer/Surveyor has been to the site and observed the present condition and the plan indicates that actual condition of the plan, and to the best of my knowledge and belief it is true and correct, and the borough may rely upon the accuracy thereof.

Justin T. Doty   Date
Professional Engineer
License No. PE080613
Expiration Date: 9/30/2023

Know what's **below.**
Call before you dig.

MARK | DESCRIPTION | DATE

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS

NOT APPROVED FOR CONSTRUCTION

FAIRGROUND AVENUE LINEAR PARK
SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH
OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET
CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO. 50323	
DWN BY CMC	*DATE* 2-1-2022
PROJECT MANAGER CMC - cchiampi@fsa-inc.com	
PARCEL ID Multiple Properties	
SCALE NTS	
SHEET TITLE COVER SHEET	

G-001

GENERAL NOTES

1. Any damage to adjoining public roads, utilities, etc. during construction will be repaired in kind by the contractor to Carlisle Borough specifications and satisfaction.
2. No subsurface investigation has been performed by Frederick, Seibert and Associates, Inc. to determine ground water, rock, sinkholes or any other natural or man-made existing features.
3. FSA, Inc. assumes no liability for the location of any above ground and below ground utilities. Existing utilities are shown from the best available information. Contractor to field verify location and depth of all above and below ground utilities prior to construction. Contractor to contact PA One Call System Inc. at (800) 242-1776
4. The contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
5. Utility easements are offered for dedication to their respective Authority upon approval and acceptance of said respective authority.
6. No trees, shrubs, fences, buildings, or improvements are permitted within the 100' clear sight triangle at any street intersection, existing or proposed.
7. No trees, shrubs, fences, buildings, or improvements are permitted within any easements, existing or proposed, unless otherwise shown on this plan.
8. The contractor shall take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the contractor's operation shall be repaired immediately at the contractor's expense. Contractor to use caution in areas where low hanging wires exist.
9. All utilities shall be cleared by a minimum of 1'-0". All utility poles shall be cleared by a minimum of 2'-0" or tunneled if required.
10. The Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these drawings:

PA One Call System	**(800) 242-1776**
Carlisle Borough	**(717) 249-4422**
Cumberland County Conservation District	**(717) 240-7812**

11. All underground utilities including, but not limited to, water, sewer, gas, electric are shown as approximate based on best available records. Contractor must verify these utilities prior to digging and must use PA One call in advance.
12. The contractor shall be responsible for coordination of his construction with the construction of other contractors.
13. The contractor shall notify the Architect/Engineer, before construction, of any conflicts between the plans and actual field conditions.
14. The contractor shall protect all utilities and culvert pipes during construction by insuring proper cover, increasing cover, or constructing roadway and parking through base course before loading site with heavy vehicles.
15. Job site safety is the sole responsibility of the contractor. The Contractor shall perform all excavation in accordance with O.S.H.A. Regulations for trench safety.
16. The contractor shall perform his own field inspection and surveys (if necessary) to determine the limit of earthwork needed to complete this project.
17. The contractor shall be aware that in the event of discrepancy between scaled and figured dimensions shown on the plan, the figured dimensions shall govern.
18. Erosion and sediment control measures shall be installed per erosion and sediment control plans, details and specifications.
19. It shall be distinctly understood that failure to mention specifically any work which would naturally be required to complete the project shall not relieve the contractor of his responsibility to complete such work.
20. A copy of the approved erosion and sediment control plan & report must be available at the project site at all times.
21. Sediment erosion control measures shall be installed per sediment erosion control plans, details and specifications.
22. Load bearing fills (Class 1) proposed for support of buildings, walls, and other structures whose function thereof would be especially impaired by the settlement shall be compacted at optimum moisture content to a 95% density.
23. Load bearing fills (Class 2) proposed for support of roadways, pavement, and structures which would not be especially impaired by moderate settlement shall be compacted at optimum moisture content to a 90% density.
24. All fills shall be placed in approximately horizontal layers each layer having a loose thickness of not more than eight (8) inches for class 1 and twelve (12) inches for class 2.
25. The entire area included within the proposed limits of cut and fill shall be stripped of all root material, trash and other organic and otherwise objectionable, non-complying and unsuitable soils and materials.

PLAN NOTES

1. This site is underlain with karst geology and there is an elevated risk of sinkhole formation. Contractor to consult a geotechnical engineer for recommendations for repair of a sinkhole as needed.
2. Subject property/right-of-way lines depicted on this plan have been established based upon evidence obtained through the performance of a field run boundary survey by BL Companies. This information was delivered to FSA, Inc. in June 2021.
3. All of the existing information shown for Fairground Avenue, A Street, B Street and C Street improvements are included for reference only based on BL Companies plans. Some of the features included may not be complete or constructed at the time of construction.
4. There are no rock outcrops on site according to a visual site inspection. If rock outcrops are found and removal is required, the contractor shall use either mechanical means or blasting.
5. There are no known wetlands within the proposed site area according to on-site observations by experienced wetland professionals. There was a wetland delineation performed for the entire property by Thomspon Environmental in November 2019. They have delineated wetlands within the property, however, they are not within the immediate project area. These wetland locations can be found on the existing conditions plan.
6. According to FEMA FIRM Panel 42041C0229E, this property is located within the 100 year floodplain of Montour Creek.
7. Contour data shown is based on the available LIDAR data for the site from PASDA.com.
8. Adjoining landowner information shown on plans is based on Cumberland County land records and reflects the accuracy thereof.

ZONING DATA

ZONING ORDINANCE____________ Carlisle Borough
ZONING DISTRICT____________ UM - Urban Mixed Use

ARTICLE XVII, UM URBAN MIXED USE DISTRICT REGULATIONS

TRACT SIZE RESTRICTIONS FOR PERMITTED USES

Permitted uses listed in § 255-120 may be developed as sole uses or mixed use development, depending upon the existing tract size:

1. Within tracts five acres or less only, any uses listed above in § 255-120A may be developed as a residential or nonresidential only development, including any form of residential use type, as a sole use on a tract.
2. Within tracts greater than five acres, the development must be mixed-use, which includes a mix of residential and nonresidential uses and at least 30% public open space, in accordance with § 255-126D.

AVERAGE UNIT SIZE	1,000 sq. ft. (Sq. ft. for each apartment unit shall be measured from the outside face of exterior wall to the centerline of interior demising walls, and shall also include any balcony or porch that is exclusive to a single unit.
MINIMUM LOT SIZE	
Single-family detached	4,500 sq. ft. area per dwelling unit
Townhouse/garden apartment	2,000 sq. ft. area per dwelling unit
Other residential	3,600 sq. ft. area per dwelling unit
Nonresidential and mixed-use developments	10,000 sq. ft.
FRONT BUILDING SETBACK	
Minimum	5 ft.
Maximum	20 ft.
MINIMUM SIDE YARD SETBACK	
If 2 are required	16 ft.
If 2 are required	6 ft. 1 side
If only 1 required	10 ft.
Accessory structure/use	5 ft. or 0 ft. along shared (interior) lot line
MINIMUM REAR YARD SETBACK	15 ft. 5 ft. for accessory structure/use
MINIMUM PAVED AREA SETBACK	
From a street	10 ft.
From residential use or district	10 ft.
From residential use or district for new or expanded manufacturing or tractor-trailer loading	40 ft.
MINIMUM LOT WIDTH	
Garden Apartment	200 ft.
Townhouse	20 ft. per dwelling unit
Other residential	30 ft. per dwelling unit
Nonresidential and mixed-use development	60 ft.
BUILDING COVERAGE	50% maximum
IMPERVIOUS COVERAGE	80% maximum
BUILDING HEIGHT	45 feet maximum; 75 feet by special exception
MAXIMUM GROSS FLOOR AREA	Gross floor area of a retail sales establishment shall not exceed 15,000 square feet by right. A retail sales establishment with a gross floor area greater than 15,000 square feet, but not to exceed 45,000 square feet, may be permitted by special exception when authorized by the Zoning Hearing Board.
DEDICATED COMMON OPEN SPACE/OPEN SPACE	(Only for tracts 5 acres or more. See above) The development shall provide at least 30% of land area as public common open space. If parking is the primary use, 20 square feet shall be provided for every 10 off-street surface parking spaces and in this case, required sidewalks cannot count towards dedicated

SITE DATA

EXISTING USE	Vacant
PROPOSED USE	Public Park
SITE ADDRESS	Fairground Avenue, Carlisle, PA 17013
PROPERTY ID	Lot A - 06-20-1800-078EX00001 Lot D - 06-20-1800-084EX00001
AREA	
SITE AREA	Lot A - 0.12 ac. Lot D - 0.49 ac.
EXISTING IMPERVIOUS COVERAGE	0 %
PROPOSED IMPERVIOUS COVERAGE	Lot A - 0.095 ac. (80%) Lot D - 0.156 ac. (32%)

LEGEND

	EXISTING	PROPOSED
SUBJECT BOUNDARY		
BUILDING SETBACK LINE		
RIGHT OF WAY		
EASEMENT LINE		
ADJOINER BOUNDARY		
FENCE (METAL)		
FENCE (WOODEN)		
DITCH (STREAM)		
EDGE OF WATER		
WETLAND		
FLOODPLAIN		
SOIL BOUNDARY		
RAILWAY		
CENTERLINE		
EDGE OF PAVEMENT		
EDGE OF GRAVEL		
CURB		
WALL		
GUARD RAIL		
EDGE OF CONCRETE		
BUILDING		
MAIL BOX	MB	MB
SIGN (ROAD)		
SIGN (SITE)		
TRAFFIC SIGNAL		
TOPOGRAPHIC FEATURES		
CONTOUR (INDEX)	500	500
CONTOUR (INTERMEDIATE)	501	501
SPOTS ELEVATION	501.65	501.65
VEGETATION AREAS		
TREELINE		
DECIDUOUS TREES		SEE LANDSCAPE SHEET FOR LEGEND
EVERGREEN TREES		SEE LANDSCAPE SHEET FOR LEGEND
SANITARY SEWER		
GRAVITY LINE	SS	SS
FORCE MAIN LINE	FM	FM
LATERAL		
MANHOLE	SS	SS
CLEANOUT		
VALVE		
WATER		
COLD WATER LINE	W	W
HOT WATER LINE	HW	HW
MANHOLE	MH	MH
FIRE HYDRANT		
VALVE		
METER		
WELL		
STORM DRAINAGE		
STORM SEWER LINE		
ROOF DRAIN LINE		
MANHOLE	S	
INLETS		
CLEANOUT		
UTILITIES		
GAS LINE	G	G
ELECTRICAL LINE	UGE	UGE
FIBER OPTIC LINE	FO	FO
COMMUNICATION LINE	COMM	COMM
OVERHEAD LINES	OH	OH
MANHOLE	MH	MH
PEDS, BOX, & ETC		
POLE		
LIGHT POLE		
GAS METER	GM	GM
GAS VALVE		

LEGEND - ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ADS	ADVANCED DRAINAGE SYSTEM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIAL
AWWA	AMERICAN WATER WORKS ASSOCIATION
BLDG	BUILDING
BOT	BOTTOM
CIP	CAST IRON PIPE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	SANITARY SEWER CLEAN-OUT
COMM	COMMUNICATION
CONC	CONCRETE
DA	DRAINAGE AREA
DIA	DIAMETER
EGL	EXISTING GRADE LINE
EX	EXISTING
EIP	EXISTING IRON PIN
FFE	FINISH FLOOR ELEVATION
FH	FIRE HYDRANT
GV	GATE VALVE
HGL	HYDRAULIC GRADE LINE
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
LF	LINEAR FEET
MAX	MAXIMUM
MB	MAIL BOX
MIN	MINIMUM
MJ	MECHANICAL JOINT
NO	NUMBER
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OAC	OR APPROVED EQUAL
OC	ON CENTER
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PGL	PROPOSED GRADE LINE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
ROW	RIGHT-OF-WAY
SAN	SANITARY
SCE	STABILIZED CONSTRUCTION ENTRANCE
SDR	STANDARD DIMENSION RATIO
SIP	SET IRON PIN
SD	STORM DRAINAGE
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
SY	SQUARE YARDS
TAN	TYPE AS NOTED
TEMP	TEMPORARY
TS	TOP OF STRUCTURE
TG	TOP OF GRATE
TR	TOP OF RIM
TYP	TYPICAL
U/P	UTILITY POLE
VIF	VERIFY IN FIELD
WL	WATERLINE
WM	WATER METER
WV	WATER VALVE

NOT APPROVED FOR CONSTRUCTION

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128 SOUTH POTOMAC STREET, HAGERSTOWN, MD 21740, 301.791.3650
20 WEST BALTIMORE STREET, GREENCASTLE, PA 17225, 717.597.1007
505 SOUTH HANOVER STREET, CARLISLE, PA 17013, 717.701.8111
45 EAST MAIN STREET, NEW BLOOMFIELD, PA 17068, 717.275.7531

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MARK: | DESCRIPTION: | DATE:

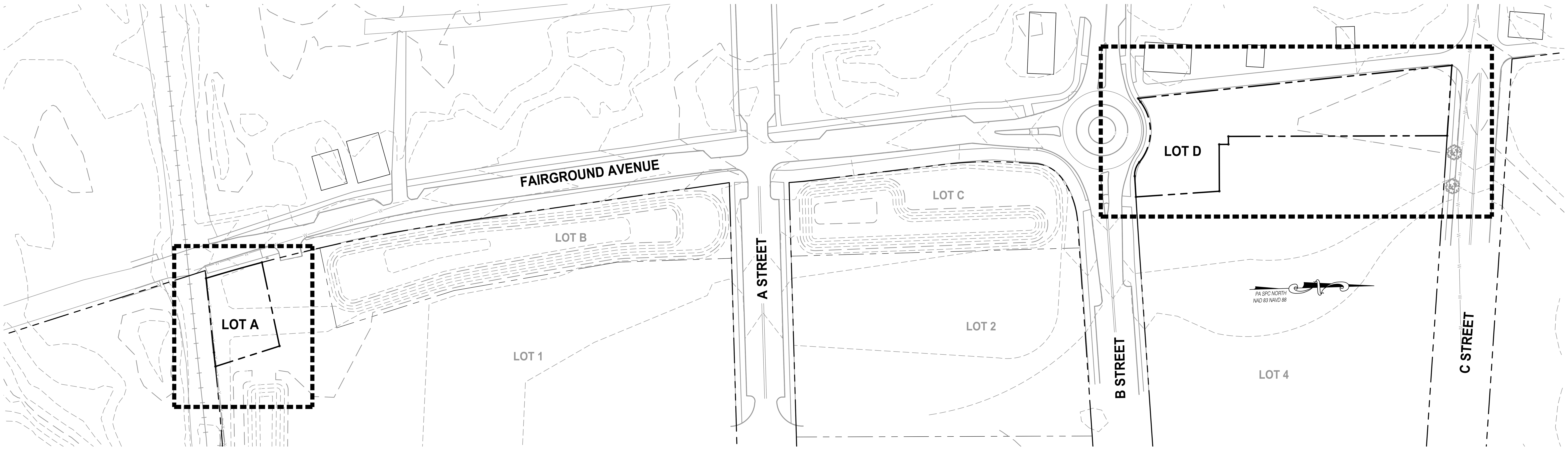
FAIRGROUND AVENUE LINEAR PARK
SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET
CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO.	50323
DWN BY	CMC
DATE	2-1-2022
PROJECT MANAGER	CMC - cchiampi@fsa-inc.com
PARCEL ID	Multiple Properties
SCALE	NTS
SHEET TITLE	NOTES AND LEGENDS

G-001

SITE CONTEXT PLAN



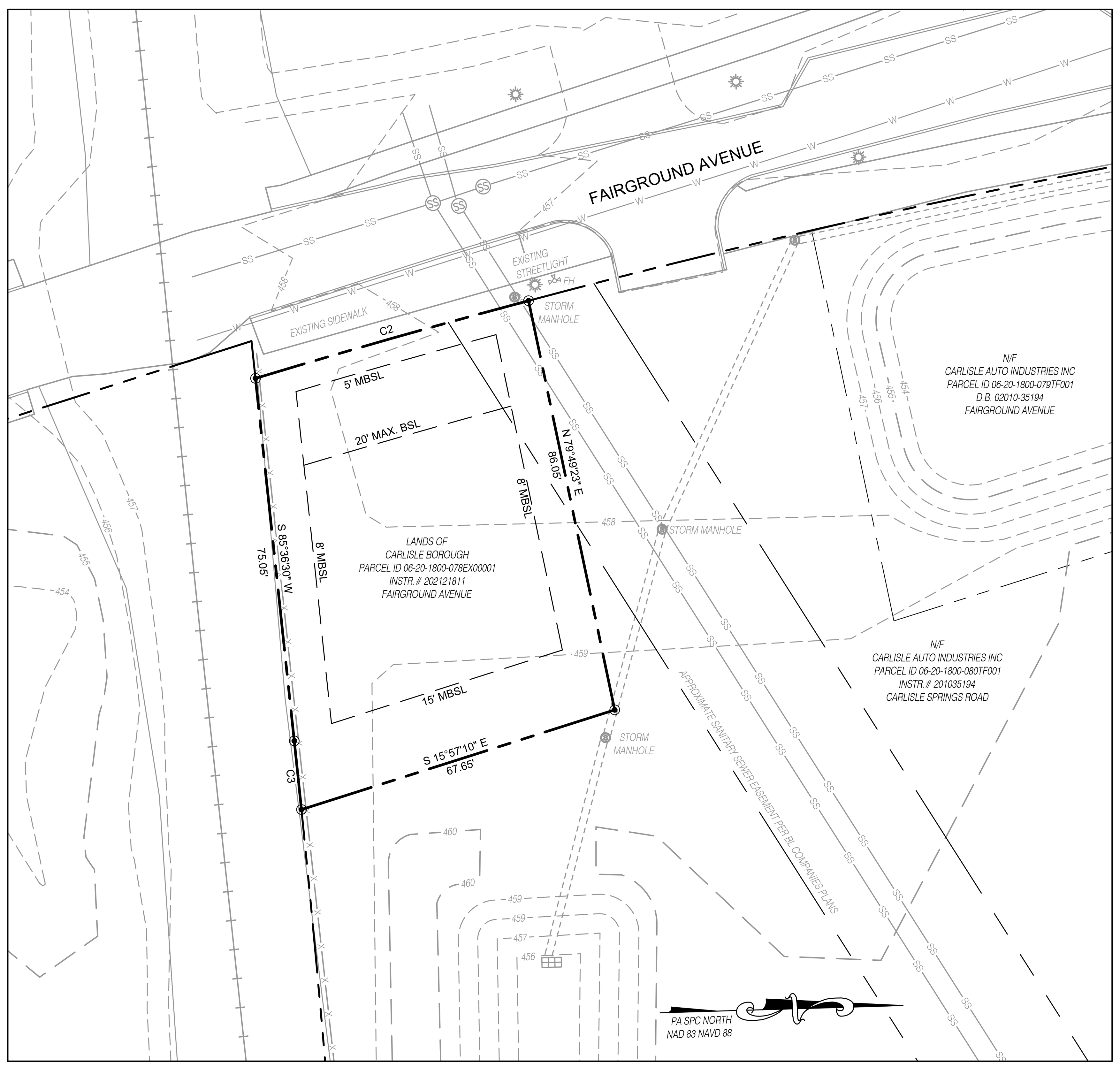
SURVEY NOTES:

1. Subject property/right-of-way lines depicted on this plan have been established based upon evidence obtained through the performance of a field run boundary survey by BL Companies. This information was delivered to FSA, Inc. in June 2021.

SCALE: 1" = 50'

50 0 25 50 100

LOT A - EXISTING CONDITIONS PLAN

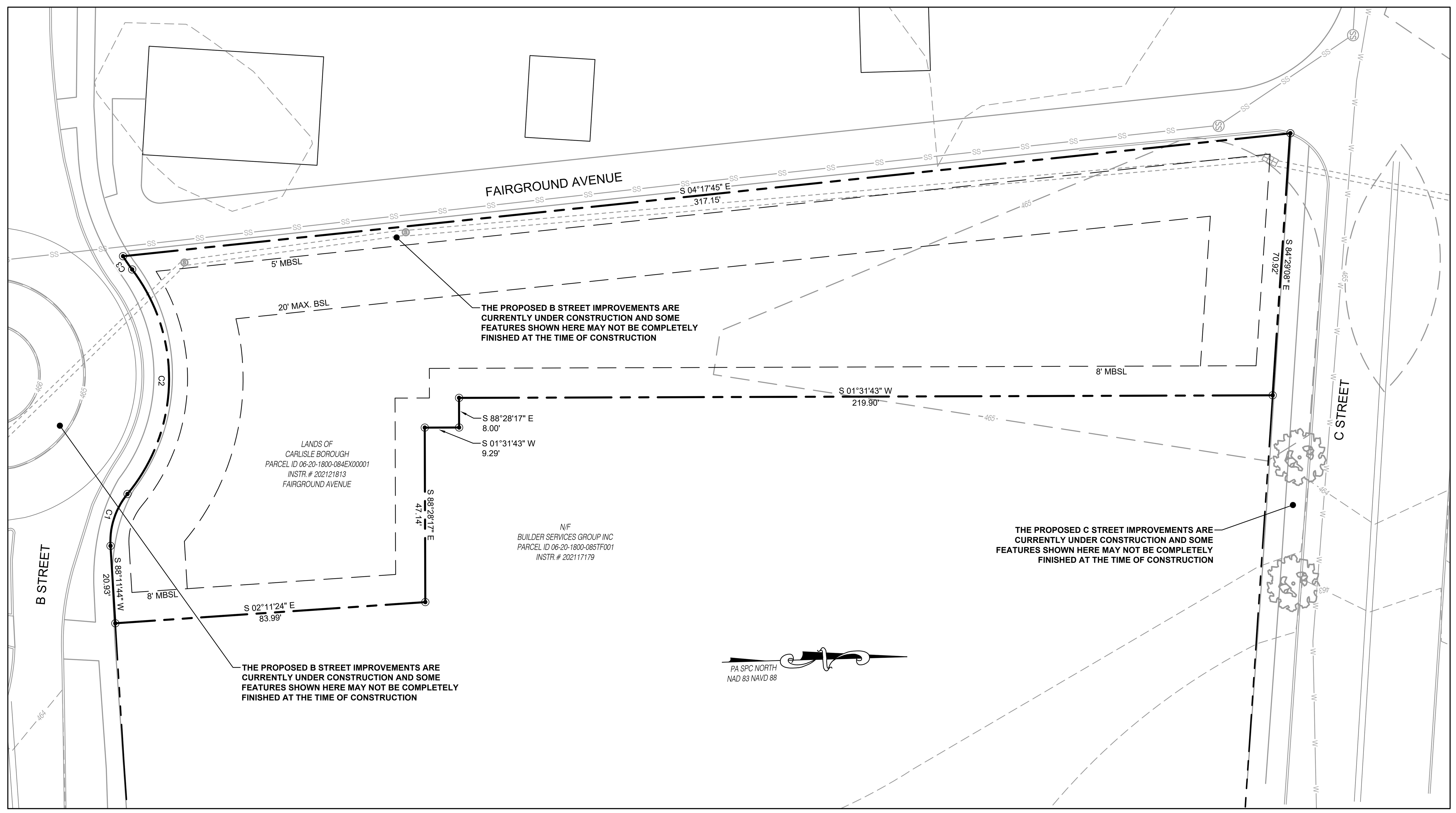


CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	58.42'	1770.00'	1°53'28"	N 14°09'49" W	58.42'
C2	14.21'	3170.00'	0°15'25"	S 85°44'10" W	14.21'

SCALE: 1" = 20'

20 0 10 20 40

LOT D - EXISTING CONDITIONS PLAN



CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	15.10'	20.01'	43°14'54"	S 70°10'49" E	14.75'
C2	65.50'	48.68'	77°05'40"	S 87°06'12" E	60.67'
C3	4.35'	42.47'	5°51'42"	S 57°16'49" W	4.34'

SCALE: 1" = 20'

20 0 10 20 40

NOT APPROVED FOR CONSTRUCTION

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MARK | DESCRIPTION | DATE

FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND HANOVER STREET

CARLISLE BOROUGH

CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrew Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO. 50323

DWN BY CMC | DATE 2-1-2022

PROJECT MANAGER CMC - cchiampi@fsa-inc.com

PARCEL ID Multiple Properties

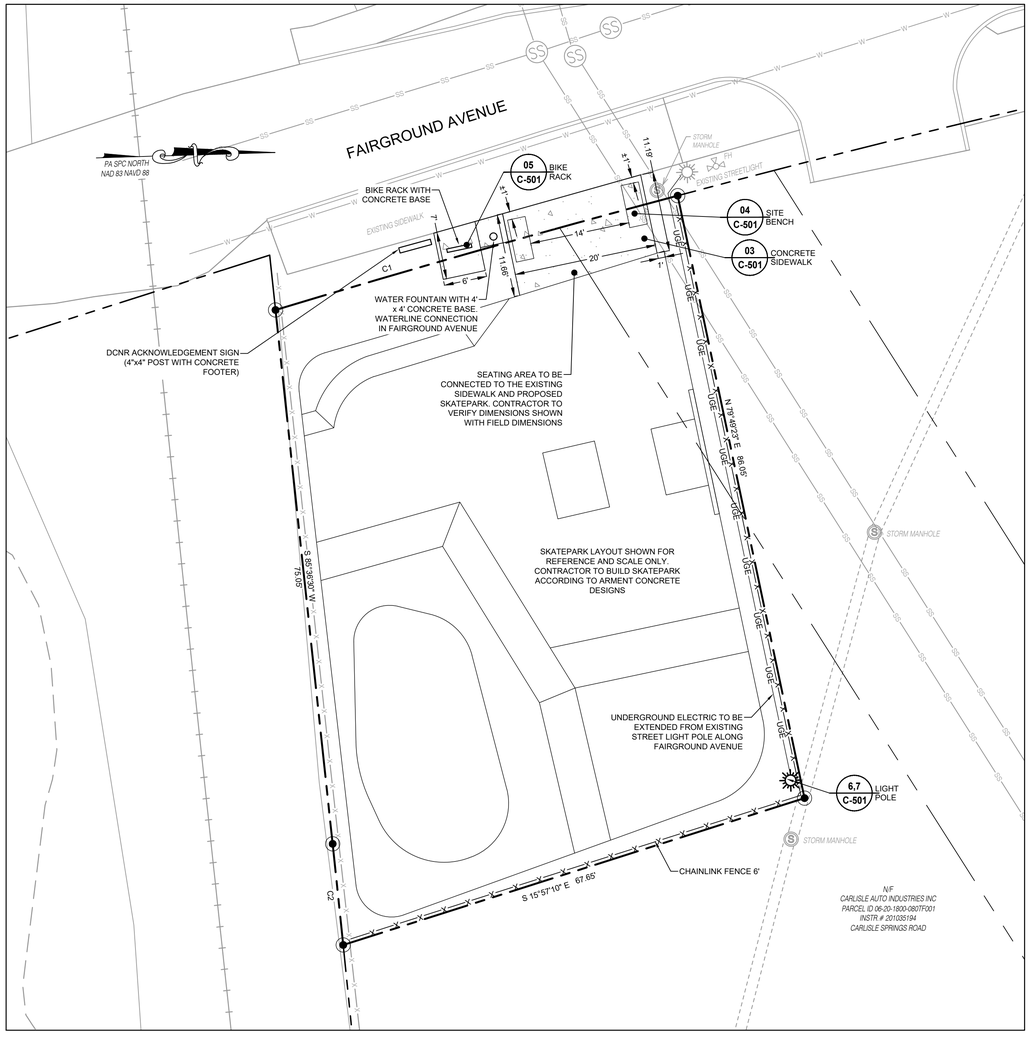
SCALE AS LISTED

SHEET TITLE

EX. CONDITIONS & CONTEXT PLAN

V-101

SITE LAYOUT AND DIMENSION PLAN



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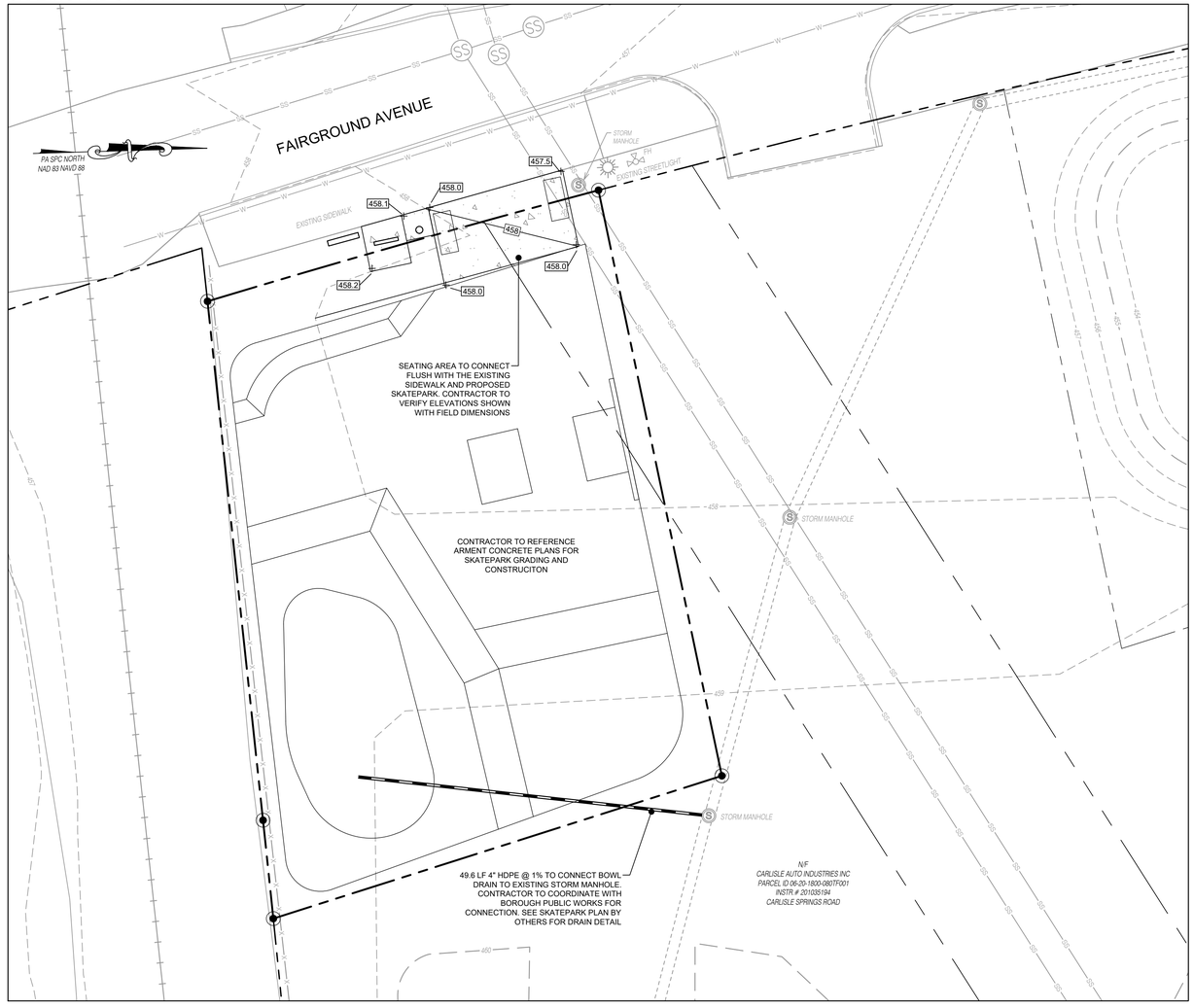
SCALE: 1" = 10'

10 0 5 10 20

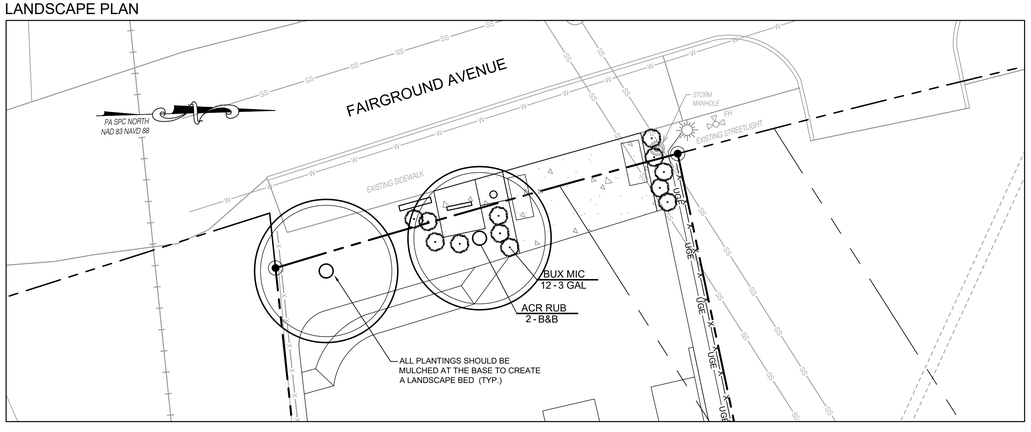
GRADING AND UTILITY PLAN



SCALE: 1" = 10'

10 0 5 10 20

LANDSCAPE PLAN



SCALE: 1" = 10'

10 0 5 10 20

NOTES:

1. The water fountain specified above is to be from Pittsburgh Water Cooler and the following model: Halsey Taylor Endura II Bi-Level Tubular Pedestal Barrier Free Outdoor Drinking Fountain, I.D. # 4420. Evergreen powder-coat finish
2. Contractor to coordinate with the Borough of Carlisle for any utility connections within the Public right-of-way. Contractor to repair any sidewalk and roadway for utility connections per Borough standards.
3. Contractor is responsible for all utility trenching, backfill and connections for proposed utilities.
4. All products specified above shall be purchased accordingly or be a client/FSA approved equivalent.
5. Contractor to install the specified products above per manufacturers instructions and standards.

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EAST MAIN STREET
NEW BLOOMFIELD, PA 17068
717.270.1001

WEST PARK DRIVE, SUITE 305
GREENCASTLE, PA 17225
717.597.1687

WEST MAIN STREET
CARLISLE, PA 17013
717.218.0911

239 CHATHAM ROAD, SUITE C
HAGERSTOWN, MD 21740
301.791.0006

MARK	DESCRIPTION	DATE

NOT APPROVED FOR CONSTRUCTION

FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N HANOVER STREET

CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO.	50323
DWN BY	CMC
DATE	2-1-2022
PROJECT MANAGER	CMC - cchiampi@fsa-inc.com
PARCEL ID	Multiple Properties
SCALE	1" = 10'
SHEET TITLE	SITE LAYOUT & GRADING PLAN

C-101
SHEET 4 OF 13

P:\SHARED\TOLD\PROJECTS\50323\DWG\ZONE\RELEASE\50323-LAYOUT AND GRADING PLAN.DWG 2/10/22

PLANTING SCHEDULE

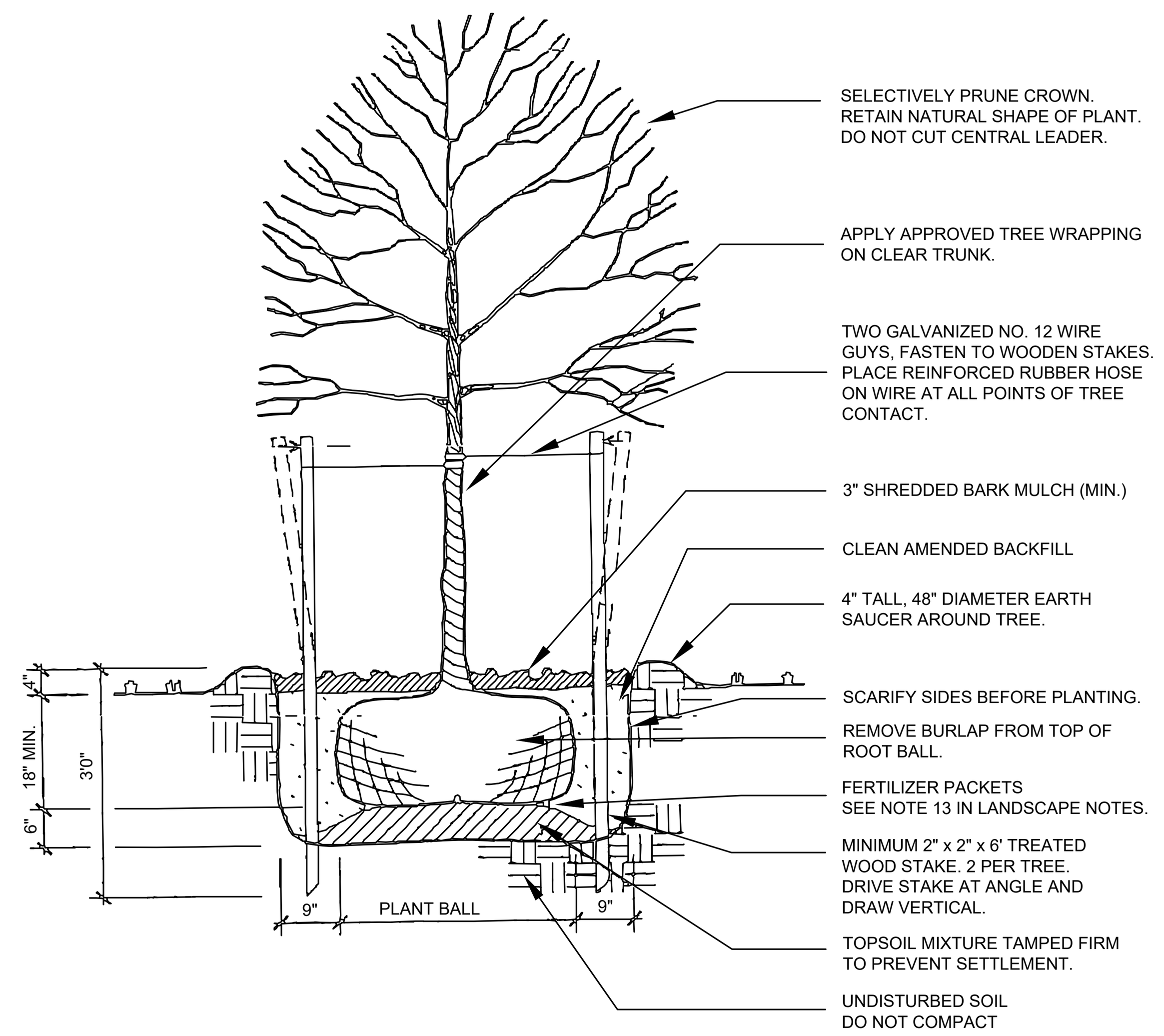
CODE	QTY	COMMON NAME/ BOTANICAL NAME	CONT.	SIZE	DETAIL	REMARK / NOTE
DECIDUOUS TREES						
ACR RUB	2	Red Maple / *Acer rubrum*	B&B	MIN. 12'	1/C-501	
SHRUBS						
BUX MIC	12	Winter Gem Boxwood / *Buxus microphylla japonica 'winter gem'*	3 gal		2/C-501	

GENERAL LANDSCAPE NOTES:

1. Landscape contractor is to call PA One Call and have all underground utilities marked prior to any digging or planting.
2. Landscape Contractor shall install all plant material in a timely fashion.
3. Landscape Contractor shall be responsible for all watering, weeding, repairs and replacements prior to final acceptance.
4. NO Substitutions of plant material without written permission of FSA. Planting plans have been proposed with plant sizes, types, and locations as important design elements.
5. Plants shall be in accordance with the current issue of American Standards for Nursery Stock published by the American Association of Nurserymen.
6. All plants shall be watered thoroughly during installation and prior to final acceptance.
7. All bark mulched areas shall be first covered with Typar Weed Barrier or approved equal.
8. All planting bed areas on the site shall be mulched with a hardwood bark mulch at a depth of approx. 3", unless noted otherwise.
9. Plant material shall be inspected yearly in order to remove and replace dead, diseased vegetation.
10. Warranted plant material that is 25% dead or more shall be considered dead and shall be replaced at no charge.
11. All plant material shall be warranted for one year. 60 days prior to the end of the warranted period, the Engineering Department shall perform an inspection. Of which there should be an 90% survival rate of all plant material. All surviving plant material shall be found in a healthy condition. The warranty shall commune on the date of initial acceptance by the owner.
12. The landscape contractor shall conduct a final inspection with the owner or owner's representative at the end of the warranty period.
13. Fertilizer Packets are to be Nutri-Pak 16-8-8 or approved equal per manufacturer's recommendations.

MAINTENANCE:

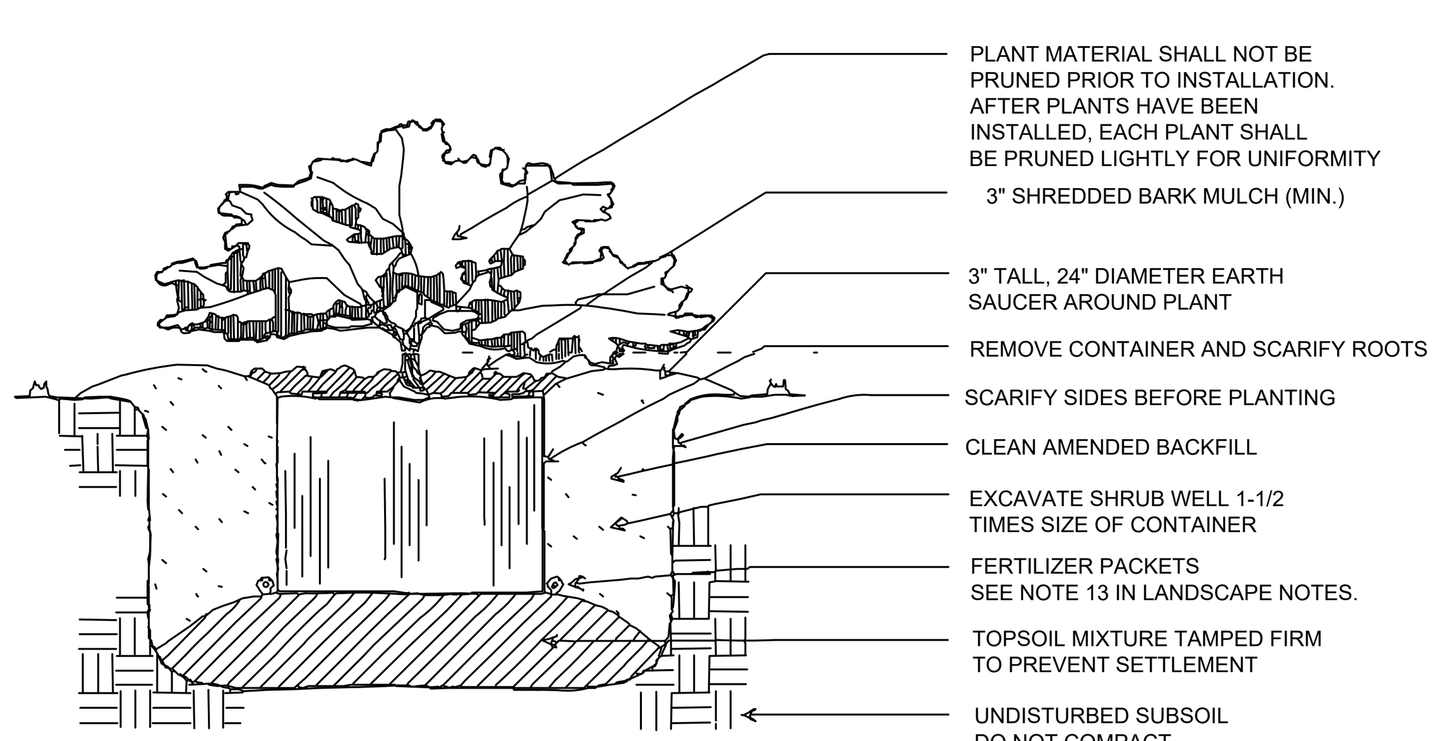
1. Owner to remove silt/sediment if the accumulation of sediment exceeds one inch over the biorentention area.
2. All trash and debris should be removed from the top of the bioretention area as necessary.
3. Areas devoid of mulch shall be re-mulched on an annual basis.
4. All areas of turfgrass that have been disturbed from construction or is not growing properly should be seeded with an appropriate grass seed mix.



SELECTIVELY PRUNE CROWN. RETAIN NATURAL SHAPE OF PLANT. DO NOT CUT CENTRAL LEADER.
APPLY APPROVED TREE WRAPPING ON CLEAR TRUNK.
TWO GALVANIZED NO. 12 WIRE GUYS, FASTEN TO WOODEN STAKES. PLACE REINFORCED RUBBER HOSE ON WIRE AT ALL POINTS OF TREE CONTACT.
3" SHREDDED BARK MULCH (MIN.)
CLEAN AMENDED BACKFILL
4" TALL, 48" DIAMETER EARTH SAUCER AROUND TREE.
SCARIFY SIDES BEFORE PLANTING.
REMOVE BURLAP FROM TOP OF ROOT BALL.
FERTILIZER PACKETS SEE NOTE 13 IN LANDSCAPE NOTES.
MINIMUM 2" x 2" x 6' TREATED WOOD STAKE. 2 PER TREE. DRIVE STAKE AT ANGLE AND DRAW VERTICAL.
TOPSOIL MIXTURE TAMPED FIRM TO PREVENT SETTLEMENT.
UNDISTURBED SOIL DO NOT COMPACT
18" MIN.
30"
6"
9"
PLANT BALL

01 C-501 **SMALL TREE PLANTING (UP TO 2-1/2" CAL.)**

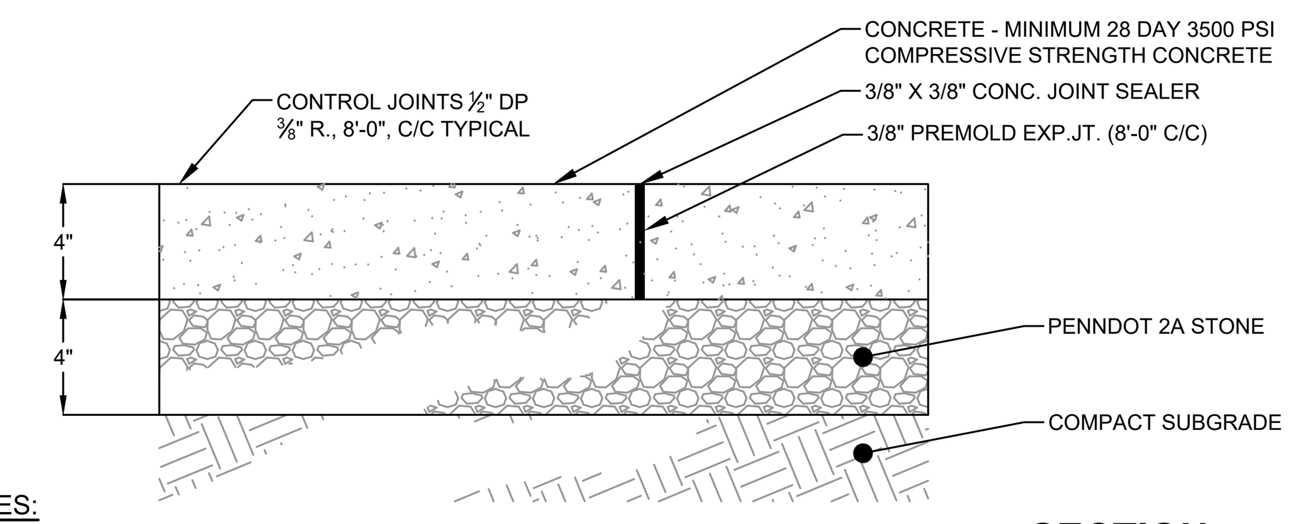
NOT TO SCALE



PLANT MATERIAL SHALL NOT BE PRUNED PRIOR TO INSTALLATION. AFTER PLANTS HAVE BEEN INSTALLED, EACH PLANT SHALL BE PRUNED LIGHTLY FOR UNIFORMITY
3" SHREDDED BARK MULCH (MIN.)
3" TALL, 24" DIAMETER EARTH SAUCER AROUND PLANT
REMOVE CONTAINER AND SCARIFY ROOTS
SCARIFY SIDES BEFORE PLANTING
CLEAN AMENDED BACKFILL
EXCAVATE SHRUB WELL 1-1/2 TIMES SIZE OF CONTAINER
FERTILIZER PACKETS SEE NOTE 13 IN LANDSCAPE NOTES.
TOPSOIL MIXTURE TAMPED FIRM TO PREVENT SETTLEMENT
UNDISTURBED SUBSOIL DO NOT COMPACT

02 C-501 **CONTAINER SHRUB PLANTING**

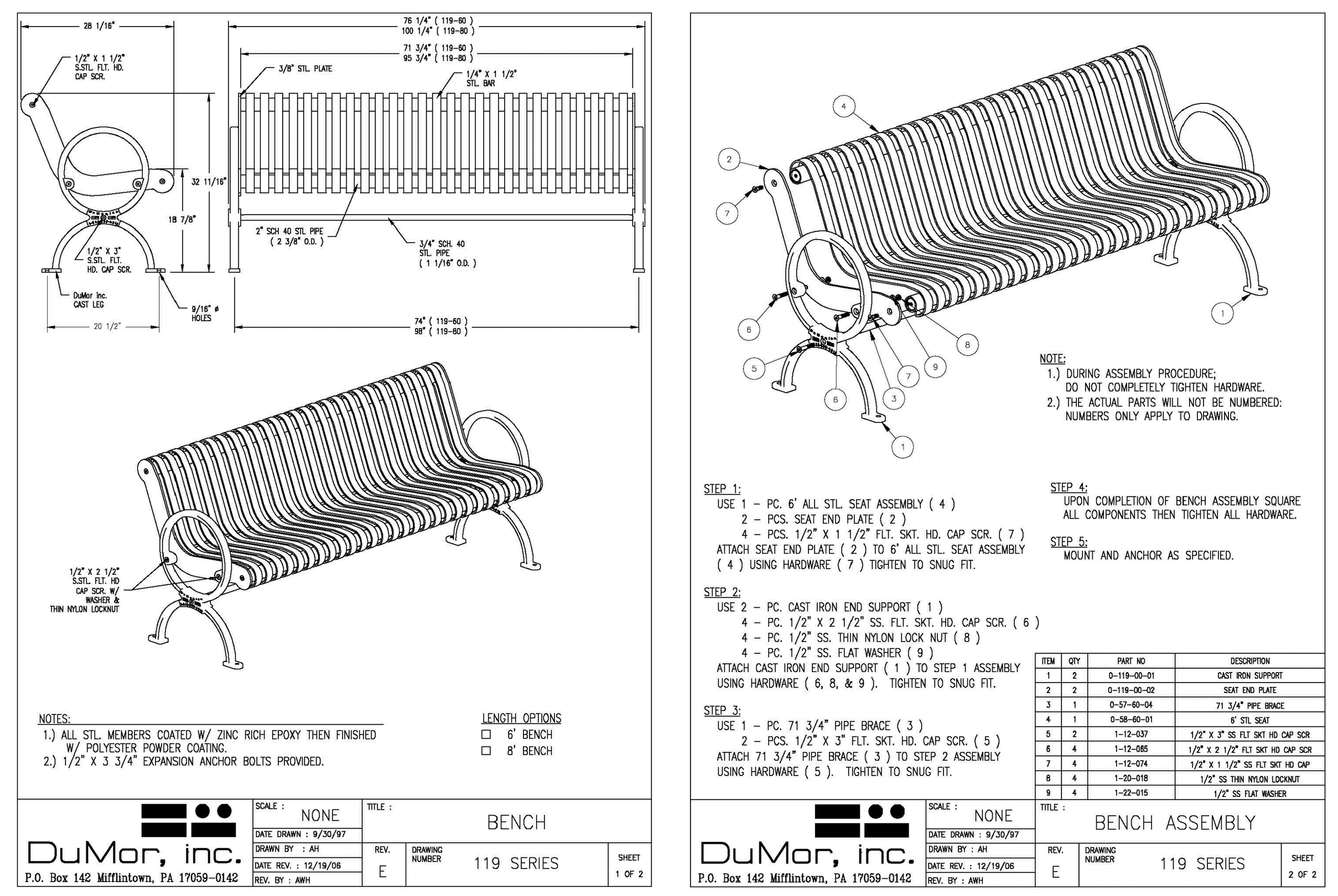
NOT TO SCALE



NOTES:
1. Class P-I Air Entrained Concrete
2. Sidewalk to have 3/8" contraction joints scored at 5'-0" intervals.
3. Construct 3/8" expansion joints spaced every 20' and between curb and sidewalk where adjacent.
4. Sidewalk to be brush finished.

03 C-501 **SIDEWALK - CONCRETE**

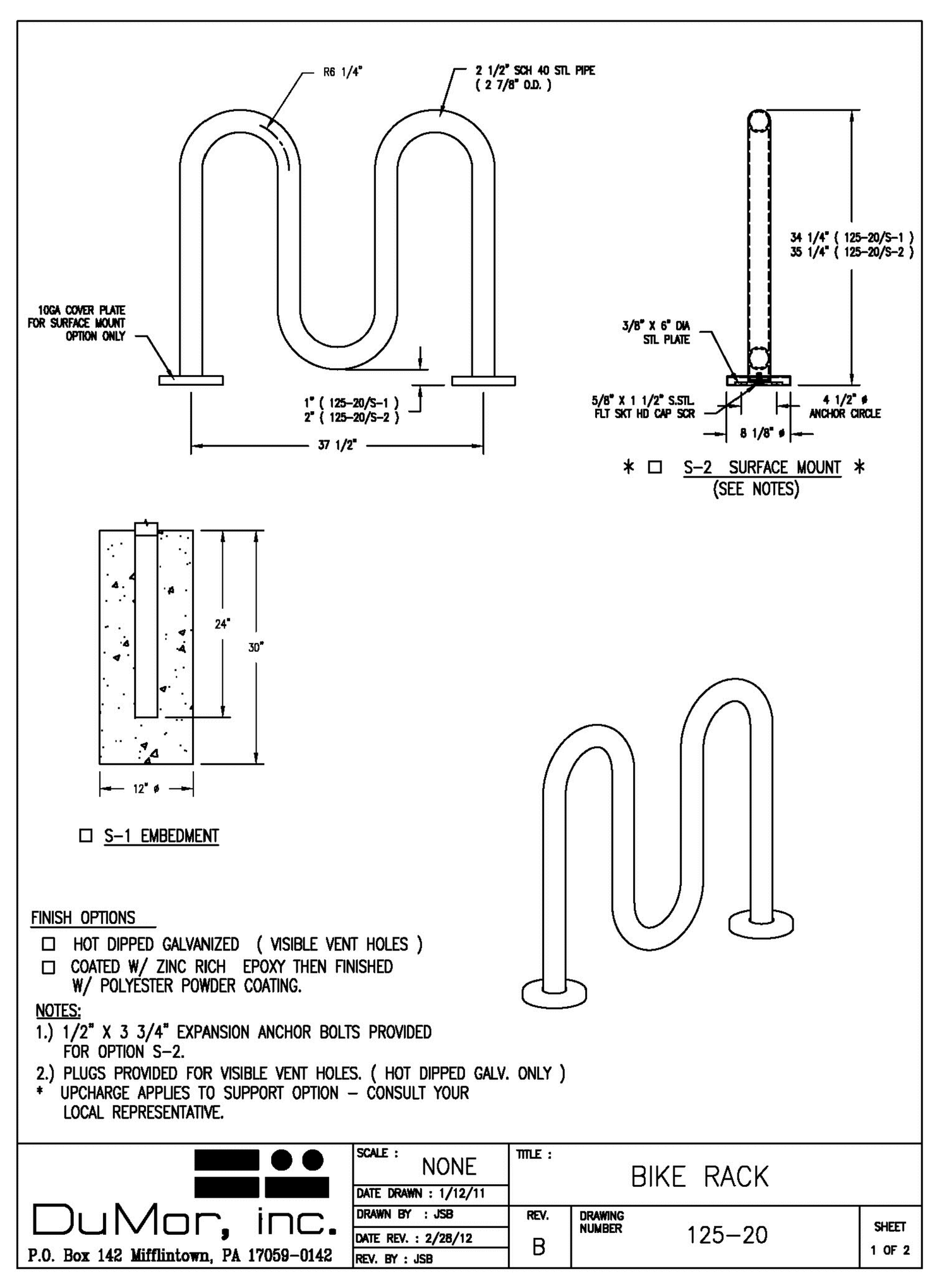
NOT TO SCALE



BENCH SPECIFICATIONS:
1. This glider bench will be surface mount construction. The bench is to be 6'.
2. The bench to be purchased accordingly or a client/FSA approved equivalent.
3. Contractor to install bench per manufacturer's instructions and standards.

04 C-501 **SITE BENCHES**

NOT TO SCALE



NOTES:
1. This bike rack will be surface mount construction.
2. The paver block is to be purchased accordingly or a client/FSA approved equivalent.
3. Contractor to install bike rack per manufacturer's instructions and standards.

05 C-501 **BIKE RACK**

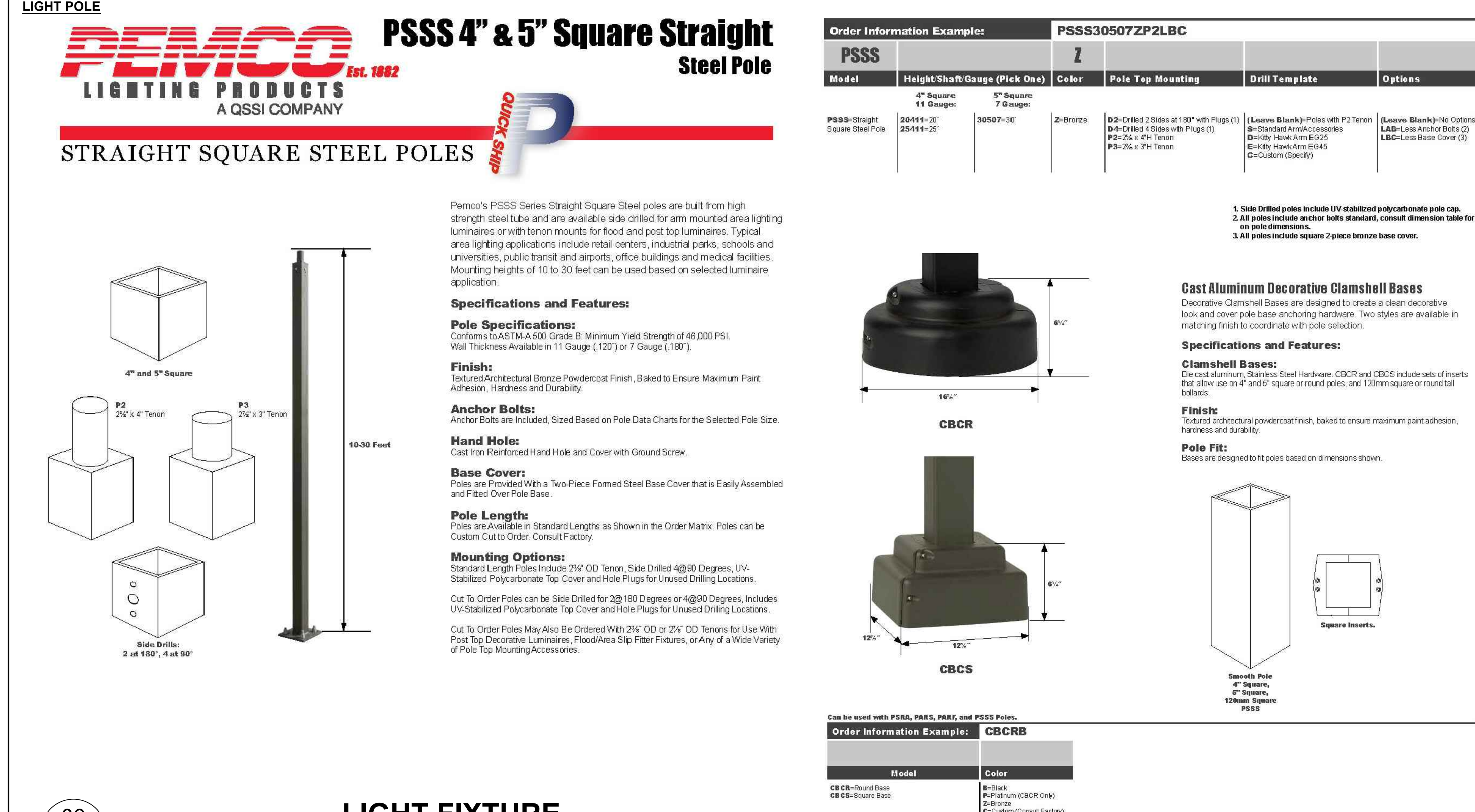
NOT TO SCALE

LIGHT FIXTURE

ARCHITECTURAL AREA, FLOOD & WALL LIGHTING
Uniform Architectural Appearance and Seamless Aesthetic Style
AREA LIGHTING APPLICATIONS
60,000+ Lumens
Eagle PowerBolt
EG55Q
Large Eagle
EG45Q
Small Eagle
EG25Q
Mini Eagle
EG15Q
Architectural luminaires in four sizes designed for small pedestrian spaces to large parking areas.
IES LIGHTING DISTRIBUTIONS
Type I
Type II
Type III
Type IV
Type V
LED Area & Site Lighting Mounting Options
Full Cutoff Perimeter Lighting

NOTES:
1. The light fixture referenced is to be the following product:
Pemco Lighting Products Large Eagle EG45Q
2. The light fixture should be attached to the square steel pole per manufacturers standards
3. The light fixture should have a Type IV light distribution in the direction of the skatepark and should not extend any foot candles towards residential properties. All glare onto adjoining properties is prohibited.
4. 10 - 20 foot candles should be achieved across the skatepark for sufficient illumination at night or in accordance with manufacturers standards.
5. Light dimmer and motion sensor settings for the light fixture are required. Contractor to coordinate with the manufacturer on these light settings and with the Borough of Carlisle on the particular settings required.
6. Any and all associated features such as junction boxes and adequate underground electrical lines and connections shall be installed according to manufacturers standards.
7. The light fixture is to be attached to the following product:
Pemco Lighting Products PSSS 4" square steel pole, 20' tall, CBCS clamshell base
8. The steel pole is to be mounted to the concrete base according to the detail on this page or the manufacturers specifications.
9. The light fixture is to be attached to the steel light pole per manufacturers standards.
10. The lighting products mentioned above are to be purchased accordingly or a client/FSA approved equivalent.
11. Contractor to install lighting per manufacturer's instructions and standards and should coordinate with the manufacturer for all installation guidance.

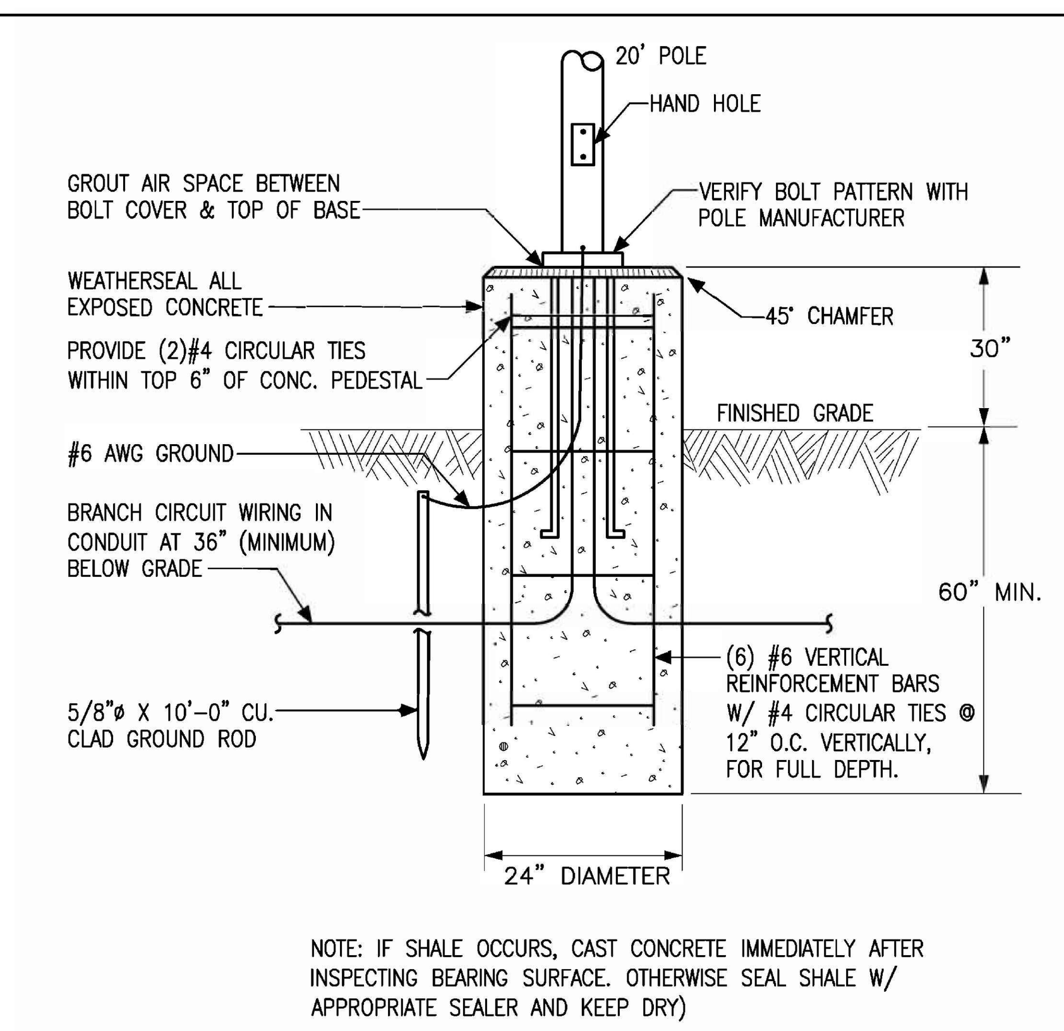
LIGHT POLE



PEMCO LIGHTING PRODUCTS Est. 1882
A QSSI COMPANY
PSSS 4" & 5" Square Straight Steel Pole
STRAIGHT SQUARE STEEL POLES
Order Information Example: PSSS30507ZP2LBC
PSSS
Z
Model
Height/Shaft/Gauge (Pick One)
Color
Pole Top Mounting
Drill Template
Options
Cast Aluminum Decorative Clamshell Bases
CBCR
CBCS

06 C-501 **LIGHT FIXTURE**

NOT TO SCALE



20' POLE
HAND HOLE
GROUT AIR SPACE BETWEEN BOLT COVER & TOP OF BASE
VERIFY BOLT PATTERN WITH POLE MANUFACTURER
WEATHERSEAL ALL EXPOSED CONCRETE
45° CHAMFER
PROVIDE (2)#4 CIRCULAR TIES WITHIN TOP 6" OF CONC. PEDESTAL
30"
FINISHED GRADE
#6 AWG GROUND
BRANCH CIRCUIT WIRING IN CONDUIT AT 36" (MINIMUM) BELOW GRADE
60" MIN.
5/8"ø X 10'-0" CU. CLAD GROUND ROD
(6) #6 VERTICAL REINFORCEMENT BARS W/ #4 CIRCULAR TIES @ 12" O.C. VERTICALLY, FOR FULL DEPTH.
24" DIAMETER

NOTE: IF SHALE OCCURS, CAST CONCRETE IMMEDIATELY AFTER INSPECTING BEARING SURFACE. OTHERWISE SEAL SHALE W/ APPROPRIATE SEALER AND KEEP DRY)

07 C-501 **LIGHT POLE BASE**

NOT TO SCALE

NOT APPROVED FOR CONSTRUCTION

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20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
16 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

MARK:	DESCRIPTION:	DATE:

FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET

CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO.	50323
DWN BY	CMC
DATE	2-1-2022
PROJECT MANAGER	CMC - cchiampi@fsa-inc.com
PARCEL ID	Multiple Properties
SCALE	NTS
SHEET TITLE	SITE DETAILS

C-501

SHEET 5 OF 13

LEGEND

XX" FS	- FILTER SOCK (SIZE NOTED)
	-RIP RAP STABILIZATION
	-SWALE MATTING
	-SLOPE MATTING (STEEPER THAN 3:1)
NPDES	-NPDES BOUNDARY
LOD	-LIMIT OF DISTURBANCE
	-WATERSHED BOUNDARY
OPF — OPF	-ORANGE PROTECTIVE FENCE
RCE	-ROCK CONSTRUCTION ENTRANCE
	-EXISTING CONTOURS
+606.0	-EXISTING TEXT
+589.1	-FINISHED GRADE SPOT ELEVATION
600	-FINISHED GRADE INTERMEDIATE CONTOUR
598	-FINISHED GRADE INDEX CONTOUR
	-SOIL BOUNDARY
FBIP	-FILTER BAG INLET PROTECTION
I	-INLET
J	-JUNCTION
E	-ENDWALL/END SECTION

SEQUENCE OF CONSTRUCTION

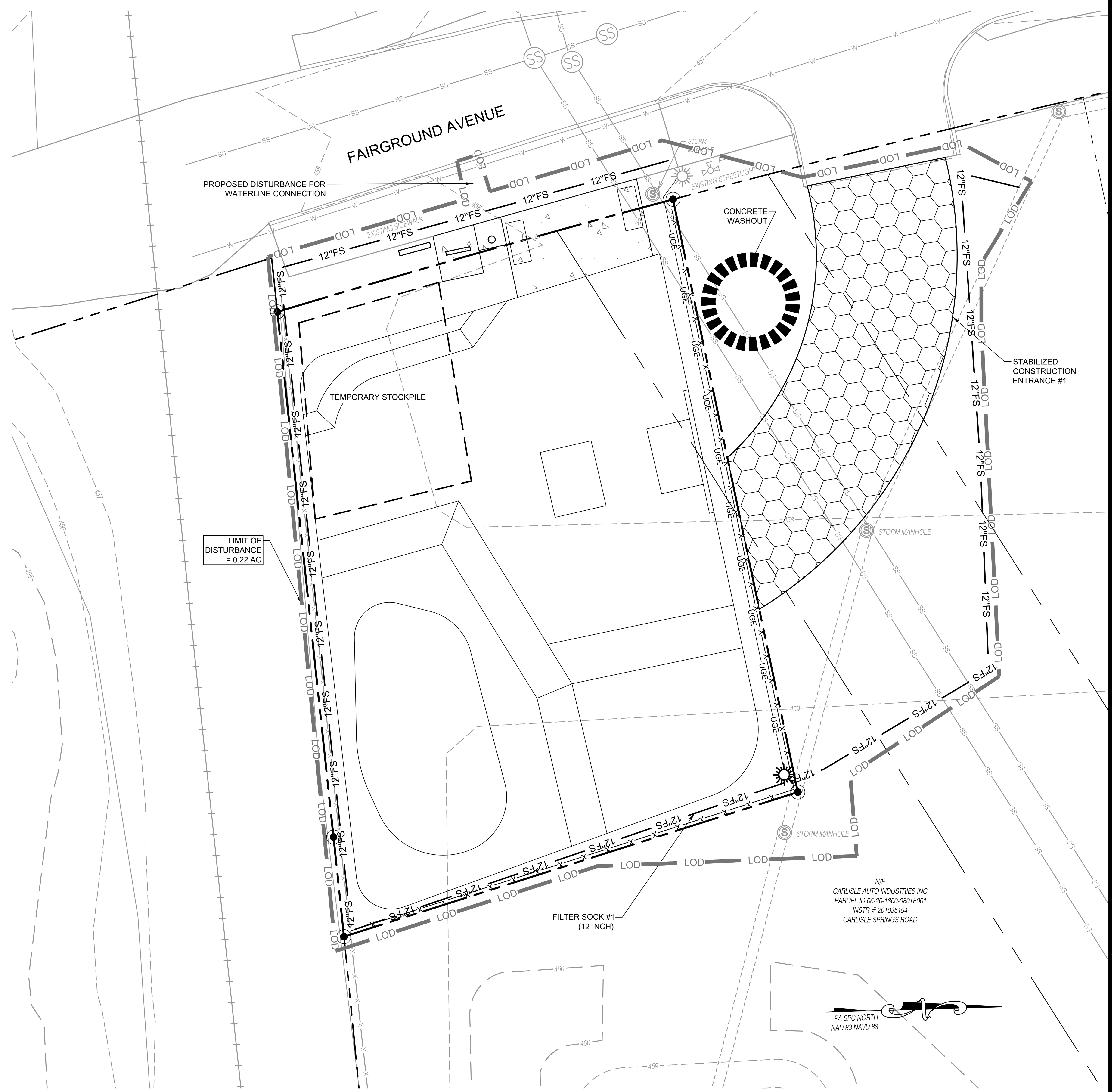
Contractor is to familiarize him/herself with the erosion and sediment control narrative and plans prior to construction. Contractor to notify the PA One Call System (1-800-242-1776) for the location of existing underground utilities at least three (3) days prior to starting any earth disturbance activities. A copy of the Erosion and Sediment Control Narrative shall be provided to the contractor. All earth disturbance activities shall proceed in accordance with the following sequence. Each stage shall be completed and immediately stabilized before any following stage is initiated. Clearing, grubbing and topsoil stripping shall be limited only to those areas described in each stage. Immediately upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate best management practices to eliminate the potential for accelerated erosion and/or sediment pollution. All pumping of sediment laden water shall be through a sediment control BMP, such as a pumped water filter bag or equivalent sediment removal facility, over undisturbed vegetated areas. The contractor shall not operate heavy machinery over proposed infiltration areas. All embankment slopes shall be tracked prior to stabilization.

Contractor shall contact Cumberland County Conservation District (717-240-6100), the Carlisle Borough (717-249-4422) and Frederick, Seibert & Associates (717-597-1007) at least five (5) days prior to the start of construction to schedule a pre-construction meeting.

1. Field identify/stake the limits of disturbance.
2. Install Rock Construction Entrance.
3. Place all perimeter controls as shown on the plan. Clear & grub within limits of disturbance.
4. Strip topsoil, stockpile and stabilize per the temporary seeding specifications.
5. Begin rough grading of site. Grading operations shall not concentrate flow to perimeter filter barriers.
6. Construct storm drain line.
7. Once pad has been brought to grade, commence park construction.
8. Spread topsoil and stabilize per the permanent seeding specifications.
9. Disturbed areas shall be stabilized and any affected BMP's must be repaired immediately. Temporary BMP's may not be removed until a minimum uniform 70% perennial vegetative cover is well-established across the entire upslope contributing drainage area. All areas proposed to be paved must be paved or have a compacted stone base in place.
10. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operators shall contact the Cumberland County Conservation District for a final inspection prior to the removal of any remaining BMP's.

STORMWATER NOTE

1. Lot is permitted for up to 80% impervious coverage. This plan proposes less than 80% coverage, so no new stormwater facilities are proposed.



SCALE: 1" = 10'

10 0 5 10 20

******A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.******

NOT APPROVED FOR CONSTRUCTION

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MARK	DESCRIPTION	DATE

FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET

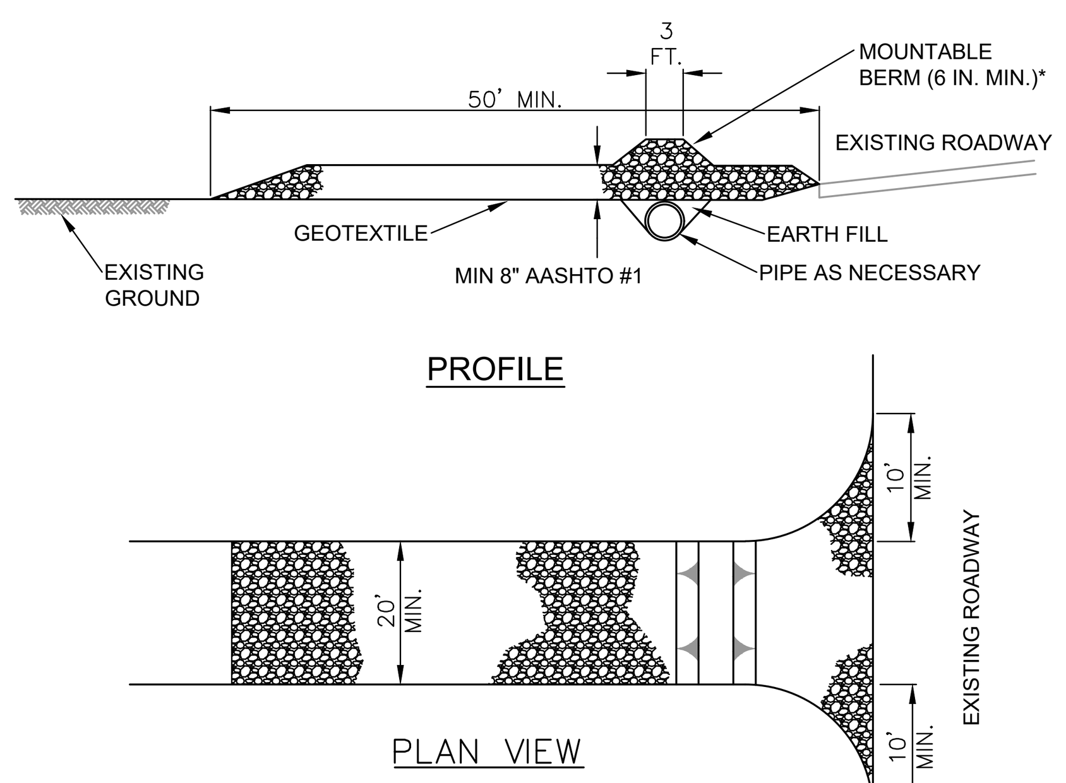
CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO. 50323	
DWN BY CMC	DATE 2-1-2022
PROJECT MANAGER CMC - cchiampi@fsa-inc.com	
PARCEL ID Multiple Properties	
SCALE 1" = 10'	
SHEET TITLE ESC PLAN	

C-102

SHEET 6 OF 13



* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

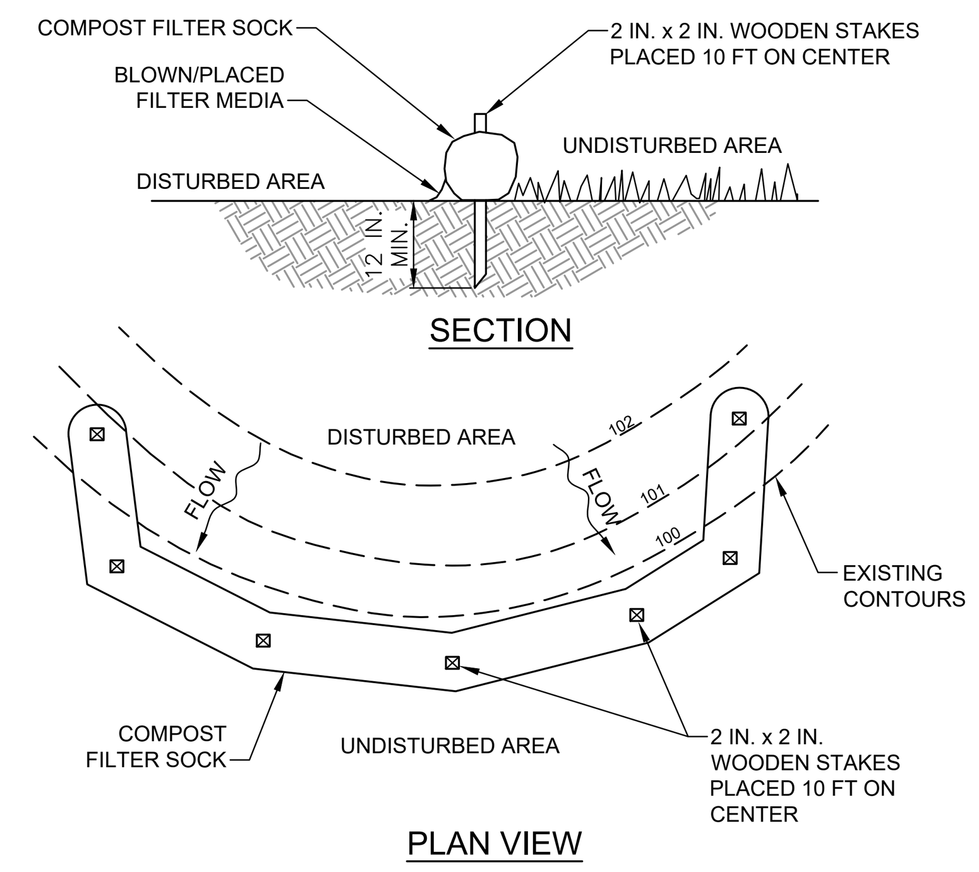
Remove topsoil prior to installation of rock construction entrance. Extend rock over full width of entrance.

Runoff shall be diverted from roadway to a suitable sediment removal bmp prior to entering rock construction entrance.

Mountable berm shall be installed wherever optional culvert pipe is used and proper pipe cover as specified by manufacturer is not otherwise provided. Pipe shall be sized appropriately for size of ditch being crossed.

Maintenance: Rock construction entrance thickness shall be constantly maintained to the specified dimensions by adding rock. A stockpile shall be maintained on site for this purpose. All sediment deposited on paved roadways shall be removed and returned to the construction site immediately. If excessive amounts of sediment are being deposited on roadway, extend length of rock construction entrance by 50 foot increments until condition is alleviated or install wash rack. Washing the roadway or sweeping the deposits into roadway ditches, sewers, culverts, or other drainage courses is not acceptable.

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTES:

Sock fabric shall meet standards of table 4.1 of the PA DEP erosion control manual. Compost shall meet the standards of table 4.2 of the PA DEP erosion control manual.

Compost filter sock shall be placed at existing level grade. Both ends of the barrier shall be extended at least 8 feet up slope at 45 degrees to the main barrier alignment. Maximum slope length above any barrier shall not exceed that specified for the size of the sock and the slope of its tributary area.

Traffic shall not be permitted to cross compost filter socks.

Accumulated sediment shall be removed when it reaches 1/2 the above ground height of the barrier and disposed in the manner described elsewhere in the plan.

Compost filter socks shall be inspected weekly and after each runoff event. Damaged socks shall be repaired according to manufacturer's specifications or replaced within 24 hours of inspection.

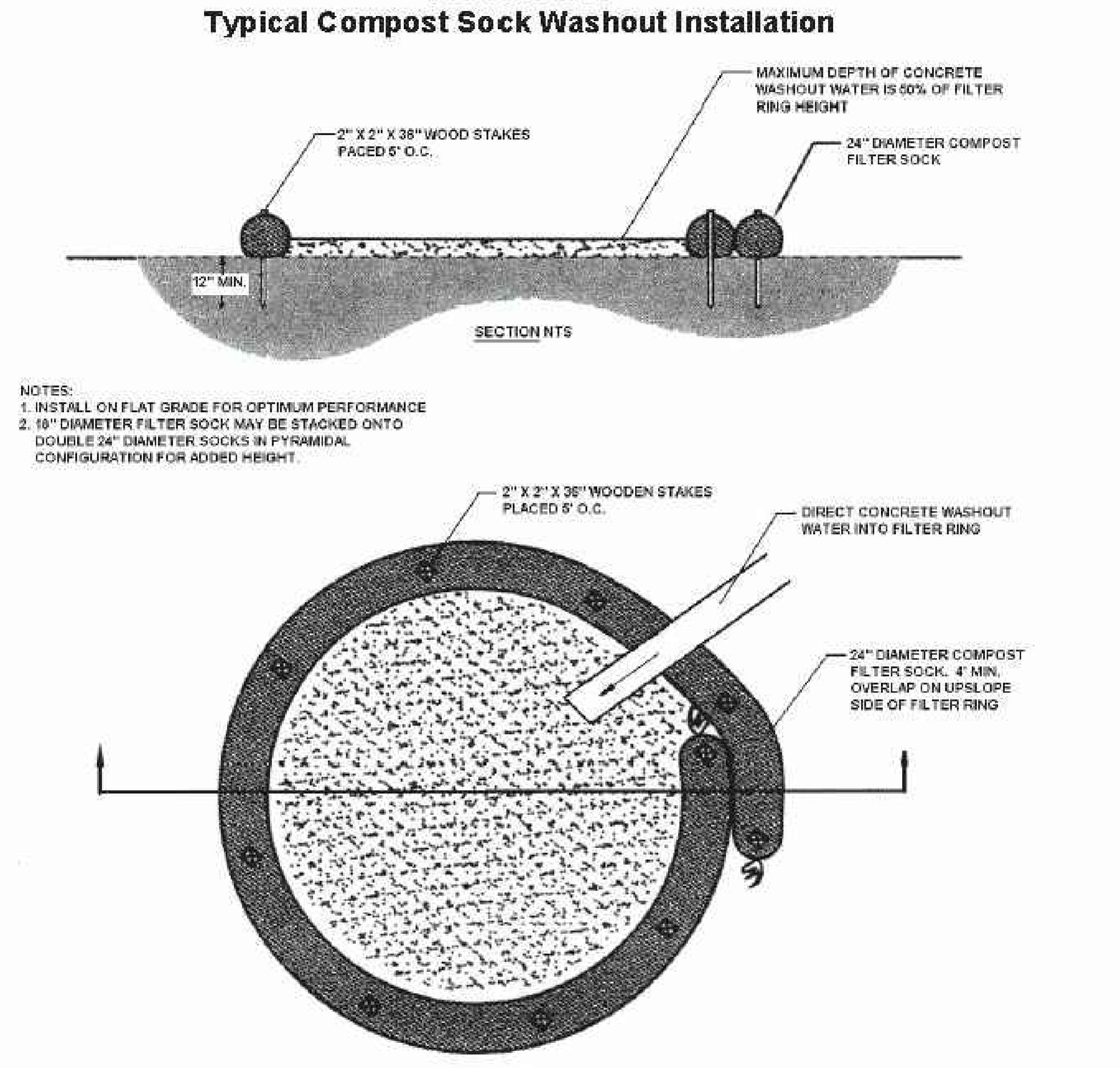
Biodegradable compost filter socks shall be replaced after 6 months; photodegradable socks after 1 year. polypropylene socks shall be replaced according to manufacturer's recommendations.

Upon stabilization of the area tributary to the sock, stakes shall be removed. The sock may be left in place and vegetated or removed. In the latter case, the mesh shall be cut open and the mulch spread as a soil supplement.

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK
NOT TO SCALE

Filtrexx

FIGURE 3.18
Typical Compost Sock Washout Installation



A suitable impervious geomembrane shall be placed at the location of the washout prior to installing the socks.
Adapted from Filtrexx

MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT CONTROL FEATURES

Until the site is stabilized, all erosion and sediment control BMPs shall be maintained properly. All temporary control measures and facilities shall be inspected weekly and after each runoff event (Events larger than the .25 measurable storm event). Required repairs shall be made immediately, and shall be made by the site contractor. Disposal of all material cleaned from various sediment control devices shall be placed on the approved soil stockpile, which shall have filter fence installed on the downhill side.

ROCK CONSTRUCTION ENTRANCE
Rock Construction Entrance thickness shall be constantly maintained to the specified dimensions by adding rock. A stockpile shall be maintained on site for this purpose. All sediment deposited on paved roadways shall be removed and returned to the construction site immediately. If excessive amounts of sediment are being deposited on roadway, extend length of rock construction entrance by 50 feet increments until condition is alleviated or install wash rack. Washing the roadway or sweeping the deposits into roadway ditches, sewer, culverts, or other drainage ways is not acceptable.

CONCRETE WASHOUT
All concrete washout facilities should be inspected daily. Damaged or leaking washouts should be deactivated and repaired or replaced immediately. Accumulated materials should be removed when they reach 75% capacity. Plastic liners should be replaced with each cleaning of the washout facility.

COMPOST FILTER SOCK
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 filter sock and disposed in the manner described elsewhere in the plan. Alternatively, rather than create a soil disturbing activity, the Conservation District may call for additional filter sock to be added at areas of high sedimentation, place immediately on top of the existing sediment laden filter sock. Socks shall be inspected weekly and after each runoff event. Damaged socks shall be repaired according to manufacturer's specifications or replaced within 24 hours of inspection. Biodegradable filter sock shall be replaced after 6 months; photodegradable socks after 1 year. Polypropylene socks shall be replaced according to manufacturer's recommendations.
Upon stabilization of the area tributary to the sock, stakes shall be removed. The sock may be left in place and vegetated or removed. In the latter case, the mesh shall be cut open and the mulch spread as a soil supplement.

TOPSOIL APPLICATION

Graded areas should be scarified or otherwise loosened to a depth of 3 to 5 inches to permit bonding of the topsoil to the surface areas and to provide a roughened surface to prevent topsoil from sliding down slope.

Topsoil should be uniformly distributed across the disturbed area to a depth of 4 to 8 inches minimum (2 inches on fill outslopes). Spreading should be done in such a manner that sodding of seeding can proceed with a minimum of additional preparation of tillage. Irregularities in the surface resulting from topsoil placement should be corrected in order to prevent formation of depressions unless such depressions are part of the Post Construction Stormwater Management Plan.

Topsoil should not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet, or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

NPDES PERMIT NOTES:

1. The Permittee and Co-Permittee must ensure that visual site inspections are conducted weekly and after each precipitation event by a qualified person trained and experienced in erosion and sediment control, to ascertain that the BMP's are operational and effective in preventing pollution to the waters of the Commonwealth. A written report of each inspection shall be kept and include: a) summary of site condition, BMP's and compliance b) the date, time and the name of the person conducting the inspection.
2. If BMP's are found to be inoperative or ineffective during an inspection, or any other time, the Permittee and/or Co-Permittee shall immediately contact the District. Documentation should include what steps are being taken to reduce, eliminate and prevent recurrence of the problem.
3. The Permittee and Co-Permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
4. Erosion and sediment control plans must be made available at the site of the construction activity at all times.
5. If fuel or other dangerous chemicals are stored on site then a Preparedness, Prevention and Contingency (PPC) Plan must be developed and kept on site.

NPDES PERMIT EFFLUENT LIMITATIONS, MONITORING AND REPORTING REQUIREMENTS

2. MONITORING AND REPORTING REQUIREMENTS
a. Visual Inspections The permittee and co-permittee must ensure that visual site inspections are conducted bi-weekly, and after each precipitation event by qualified personnel, trained and experienced in erosion and sediment control, to ascertain that the BMPs are operational and effective in preventing pollution to the waters of the Commonwealth. A written report of each inspection shall be kept, and include:
(1) a summary of site conditions, BMP's, and compliance; and
(2) the date, time, and the name of the person conducting the inspection.
b. Noncompliance Reporting Where BMP's are found to be inoperative or ineffective during an inspection, or any other time, the permittee and co-permittee shall immediately contact the reviewing entity, by phone or personal contact, followed by the submission of a written report within 5 days of the initial contact. Noncompliance reports shall include the following information:
(1) Any condition on the project site which may endanger public health, safety, or the environment, or involve incidents which cause or threaten pollution;
(2) the period of noncompliance, including exact dates and times and/or anticipated time when the activity will return to compliance;
(3) steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance; and
(4) the date or schedule of dates, and identifying remedies for correcting noncompliance conditions.
3. RECORD KEEPING
a. Retention of Records The permittee and co-permittee shall retain records of all monitoring information including copies of all monitoring and inspection reports required by this permit, and records of data used to complete the Notice of intent for this permit, for a period of three years from the date of the termination of coverage under this permit.
b. Reporting of Monitoring Reports Monitoring results shall be submitted to the reviewing entity upon request.
PART B STANDARD CONDITIONS
1. MANAGEMENT REQUIREMENTS
b. Duty to Provide Information
(1) The permittee or co-permittee shall furnish to the Department, or the local county conservation district when acting as the reviewing entity, within 30 days of the date of request, any information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or coverage approved under this permit, or to determine compliance with this permit.
(2) The permittee or co-permittee shall furnish, upon request, to the Department, or the local county conservation district when acting as the reviewing entity, copies of records required to be kept by this permit.
(3) When the permittee or co-permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the NOI, PPC Plan, E&S Control Plan, or in any other report to the Department, or the local county conservation district when acting as the reviewing entity, the permittee or co-permittee shall promptly submit or correct such facts or information.
(4) The permittee or co-permittee shall give seven calendar days advance notice to the Department, or the local county conservation district when acting as the reviewing entity, of any planned physical alterations or additions to the permitted facility which could, in any way, substantially affect the quality and/or quantity of stormwater discharged from the activity.
f. Facilities Construction, Operation, and Maintenance
The permittee and co-permittee shall design, build, implement, and at all times operate and maintain BMP's, including PPC Plans, E&S Control Plans, and any other stormwater pollution prevention and management measures.
g. Adverse Impact
The permittee and co-permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
h. Reduction, Loss, or Failure of the BMPs
Upon reduction, loss or failure of the BMPs, the permittee and co-permittee shall take immediate action to restore the BMPs or provide an alternative method of treatment.
2. COMPLIANCE RESPONSIBILITIES
a. Duty to Comply
The permittee and co-permittee must comply with all terms and conditions of this general permit. Any permit noncompliance constitutes a violation of the Pennsylvania Clean Streams Law and the federal Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit or permit renewal.
b. Penalties for Violations of Permit Conditions
The permittee and co-permittee may be subject to criminal and/or civil penalties for violations of the terms and conditions of this general permit under Section 602 and 605 of the Clean Streams Law, 35 P.s. Sections 691.602 and 691.605, and under the Clean Water Act as specified in 40 C.F.R. Sections 122.41 (a)(2) and (3), which are incorporated by reference.
PART C
OTHER CONDITIONS
2. EROSION AND SEDIMENT CONTROL PLANS
a. An Erosion and Sediment Control Plan, must be prepared, developed, and implemented for each activity covered by this permit in accordance with the Department's Chapter 102 Rules and Regulations, and Department guidance. Each plan must be submitted to the Department or local county conservation district when acting as the reviewing entity. E&S Control Plans, BMPs, and revisions thereto, which meet the requirements of Chapter 102, are conditions of this permit and incorporated by reference.
b. Erosion and Sediment Control Plans required under this permit are considered reports that shall be available to the public under Section 607 of the Clean Streams Law, and 25 Pa. Code, Chapter 92 of the Department's regulations. The owner or operator of a facility with stormwater discharges covered by this permit shall make plans available to the public upon request by the public. Erosion and Sediment Control Plans must be made available at the site of the construction activity at all times.
c. The staging of earth disturbance activities and maintenance requirements contained in the E&S Plan must be followed.
3. RECYCLING AND DISPOSAL OF BUILDING MATERIALS AND WASTES
All building materials and wastes must be removed from the site and recycled or disposed in accordance with the Department's Solid Waste Management Regulations at 25 Pa. Code section 260.1 et seq., section 271.1 et seq., and section 287.1 et seq. No building material or wastes or unused building materials shall be buried, dumped, or discharged at the site.
5. PREPAREDNESS, PREVENTION AND CONTINGENCY PLANS
If the potential exists for causing accidental pollution of air, land, or water, or for causing endangerment of public health and safety through accidental release of toxic, hazardous, or other polluting materials, the permittee or co-permittee must develop a Preparedness, Prevention, and Contingency (PPC) Plan. The PPC Plan shall be developed in accordance with Department regulations. The PPC Plan shall identify areas which may include, but are not limited to, waste management areas, raw material storage areas, temporary and permanent spoils storage areas, maintenance areas, and any other areas that may have the potential to cause noncompliance with the terms and conditions of this permit due to the storage, handling, or disposal of any toxic or hazardous substances such as oil, gasoline, pesticides, herbicides, solvents, etc. BMP's shall be developed and implemented for each identified area. The PPC Plan shall be maintained on site at all times and shall be made available for review at the Department's or county conservation districts' request.
6. PRE-CONSTRUCTION CONFERENCES
The permittee or co-permittee shall contact the reviewing entity at least seven days before construction is to begin to determine if a pre-construction conference is required. The permittee, co-permittee and others undertaking the earth disturbance activity must attend a pre-construction conference if requested by the reviewing entity.
7. SPOIL OR BORROW AREA
The Erosion and Sediment Control Plan, shall be prepared, developed and implemented for all spoil and borrow areas, regardless of their location.
8. PHASED PROJECTS Prior to the commencement of earth disturbance activities for additional phases or portions of the project, the permittee or co-permittee shall submit an Erosion and Sediment Control Plan for each additional phase or portion of the project for review and authorization by the reviewing entity. Coverage under this permit is only granted for those phases or portions of a project for which an Erosion and Sediment Control Plan has been submitted to and authorized by the reviewing entity.
10. WETLAND PROTECTION If hydric soils are present, a wetland determination must be conducted in accordance with Department procedures. All wetlands identified must be included on the E&S Control Plan.

IMPORT/EXPORT FILL ENVIRONMENTAL DUE DILIGENCE

Any fill material required for the site or excess material to be wasted from the site is required to be hauled from or to, as applicable, a site with an approved soil erosion and sediment control plan.

The Owner/Developer and/or Operator is responsible to perform environmental due diligence and determine that all fill imported to the site or exported from the site meets the D.E.P. definition of clean fill.

Clean Fill: Uncontaminated, non-water soluble, non-decomposable, inert, solid material. The term includes soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is separate from other waste and is recognizable as such. The term does not include materials placed in or on the waters of the Commonwealth unless otherwise authorized. (the term "used asphalt" does not include milled asphalt or asphalt that has been processed for re-use.)

Environmental due diligence: Investigative techniques, including, but not limited to visual property inspections, electronic data base searches, review of property ownership, review of property use history, Sanborn maps, environmental questionnaires, transaction screens, analytical testing, environmental assessments or audits. Analytical testing is not a required part of due diligence unless visual inspection and/or review of the past land use of the property indicates that the fill may have been subjected to a spill or release of regulated substance.

RECYCLING & DISPOSAL OF MATERIALS

Wastes generated during the construction of this project shall be recycled if at all possible. This shall include the erosion control bmps. Any materials that cannot be recycled or reused shall be disposed of at a NPDES permitted site. If soil and/or rock disposal or borrow areas are required, approved erosion and sedimentation controls shall be implemented at these areas that meet chapter 102 and/or other state and federal regulations.

All building materials and wastes must be removed from the site and recycled or disposed in accordance with the department's solid waste management regulations at 25 pa. code 260.1 et seq. 271.1, and 287.1 et seq. No building materials or waste unused building materials shall be burned, buried, dumped or discharged at the site.

ANTICIPATED CONSTRUCTION WASTES

Anticipated construction wastes requiring recycling or disposal are:
1. Building material waste.
2. Concrete wash water.
3. Construction worker's trash.

STANDARD E&S PLAN NOTES

1. A copy of the stamped approved drawings signed and dated by the Cumberland County Conservation District must be available at the project site at all times.
2. At least 7 days prior to starting any earth disturbance activities (including clearing and grubbing), the owner and/or operator shall invite all contractors, the landowner, appropriate municipal officials, the E&S Plan preparer, the post construction stormwater management plan preparer, and a representative from the Cumberland County Conservation District to an on-site preconstruction meeting.
3. At least 3 days prior to starting any earth disturbance activities, or expanding into an area previously unmarked, the Pennsylvania One Call System Inc. shall be notified at 1-800-242-1776 for the location of existing underground utilities.
4. All earth disturbance activities shall proceed in accordance with the sequence provided on the plan drawings. Deviation from that sequence must be approved in writing from the Cumberland County Conservation District or by DEP prior to implementation.
5. Clearing, grubbing, and topsoil stripping shall be limited to those areas described in each stage of the construction sequence. General site clearing, grubbing and topsoil stripping may not commence in any stage or phase of the project until the E&S BMPs specified by the Construction Sequence for that stage or phase has been installed and are functioning as described in this document.
6. At no time shall construction vehicles be allowed to enter areas outside the limit of disturbance boundaries shown on the plan maps. These areas must be clearly marked and fenced off before clearing and grubbing operations begin.
7. Stockpile heights must not exceed 35 feet. Stockpile slopes must be 2H:1V or flatter.
8. Immediately upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate BMPs to minimize the potential for erosion and sediment pollution and notify the Cumberland County Conservation District and/or the regional office of DEP.
9. All building materials and wastes must be removed from the site and recycled or disposed of in accordance with the Department's Solid Waste Management Regulations at 25 Pa. Code Chapter 260, §§260.1 et seq., 271.1, and 287.1 et. seq. No building materials or wastes or unused building materials shall be burned, buried, dumped, or discharged at the site.
10. All off-site waste and borrow areas must have an E&S Plan approved by the Cumberland County Conservation District or DEP fully implemented prior to being activated.
11. The contractor is responsible for ensuring that any material brought on site is Clean Fill. Form FP-001 must be retained by the property owner for any fill material affected by a spill or release of a regulated substance but qualifying as Clean Fill due to analytical testing.
12. All pumping of water from any work area shall be done according to the procedure described in this plan, over undisturbed vegetated areas.
13. Vehicles and equipment may neither enter directly nor exit directly from Lots onto Public Streets except where shown.
14. Until the site is stabilized, all E&S BMPs must be maintained properly. Maintenance must include inspections of all E&S BMPs after each runoff event and on a weekly basis. All preventative and remedial maintenance work, including clean out, repair, replacement, re-grading, reseeding, re-mulching and re-netting must be performed immediately. If E&S BMPs fail to perform as expected, replacement BMPs, or modifications of those installed will be required.
15. A written report showing dates that E&S BMPs were inspected as well as any deficiencies found and the date they were corrected shall be maintained on the site and be made available to regulatory agency officials at the time of inspection.
16. Sediment tracked onto any public roadway or sidewalk shall be returned to the construction site by the end of each work day and disposed in the manner described in this plan. In no case shall the sediment be washed, shoveled, or swept into any roadside ditch, storm sewer, or surface water.
17. All sediment removed from BMPs shall be disposed of in the manner described on the plan drawings.
18. 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 4 inches of topsoil in place prior to seeding and mulching. Fill outslopes shall have a minimum of 2 inches of topsoil.
19. All fills shall be compacted as required to reduce erosion, slippage, settlement, subsidence or other related problems. Fill intended to support buildings, structures and conduits, etc. shall be compacted in accordance with local requirements or codes.
20. All fills shall be placed in compacted layers not to exceed 9 inches in thickness.
21. Fill materials shall be free of frozen particles, brush, roots, sod, or other foreign or objectionable materials that would interfere with or prevent construction of satisfactory fills.
22. Frozen materials or soft, mucky, or highly compressible materials shall not be incorporated into fills.
23. Fill shall not be placed on saturated or frozen surfaces.
24. Seeps or springs encountered during construction shall be handled in accordance with the standard and specification for subsurface drain or other approved method.
25. All graded areas shall be permanently stabilized immediately upon reaching finished grade. Cut slopes in competent bedrock and rock fills need not be vegetated.
26. Immediately after earth disturbance activities cease in any area or subarea of the project, the operator shall stabilize all disturbed areas. During non-germinating months, mulch or protective blanketing shall be applied as described in the plan. Areas not at finished grade, which will be reactivated within 1 year, may be stabilized in accordance with the temporary stabilization specifications. Those areas which will not be reactivated within 1 year shall be stabilized in accordance with the permanent stabilization specifications.
27. Permanent stabilization is defined as a minimum uniform, perennial 70% vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated erosion. Cut and fill slopes shall be capable of resisting failure due to slumping, sliding, or other movements.
28. E&S BMPs must remain functional as such until all areas tributary to them are permanently stabilized or until they are replaced by another BMP approved by the Cumberland County Conservation District or DEP.
29. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operator shall contact the Cumberland County Conservation District for an inspection prior to removal/conversion of the E&S BMPs.
30. After final site stabilization has been achieved, temporary E&S BMPs must be removed or converted to permanent post construction stormwater management BMPs. Areas disturbed during removal or conversion of the BMPs must be stabilized immediately. In order to ensure rapid revegetation of disturbed areas, such removal/conversions should be done only during the germinating season.
31. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operator shall contact the Cumberland County Conservation District to schedule a final inspection.
32. Failure to correctly install E&S BMPs, failure to prevent sediment-laden runoff from leaving the construction site, or failure to take immediate corrective action to resolve failure of E&S BMPs may result in administrative, civil, and/or criminal penalties being instituted by the Pennsylvania Department of Environmental Protection as defined in Section 602 of the Pennsylvania Clean Streams Law. The Clean Streams Law provides for up to $10,000 per day in civil penalties, up to $10,000 in summary criminal penalties, and up to $25,000 in misdemeanor criminal penalties for each violation.

SEEDING NOTES

1. TEMPORARY SEEDING (TEMPORARY STABILIZATION)
   Seed: Annual Rye 40 lbs/acre
   Fertilizer: 10-10-10 @ 500 lbs/acre
   Mulch: Straw 3 tons/acre. (Straw and hay mulch should be anchored immediately after application to prevent being windblown. A tractor-drawn implement may be used to "crimp" the straw or hay into the soil. This method is limited to slopes no steeper than 3:1. The machinery should be operated on the contour. Note: Crimping of hay or straw by running over it with tracked machinery is not recommended.
   Lime: One ton/acre

All diversions, channels, sediment traps and stockpiles shall be stabilized immediately. Any disturbed area on which activity has ceased and which will remain exposed shall be stabilized immediately. During non-germinating periods, mulch shall be applied at the recommended rates. Disturbed areas which are not at finished grade and which will be redisturbed within 1 year may be stabilized in accordance with the Temporary Seeding Specifications. Disturbed areas which are either at finished grade or will not be redisturbed within 1 year shall be stabilized in accordance with the Permanent Seeding Specifications.

2. PERMANENT SEEDING (PERMANENT STABILIZATION)
   Nurse Crop: Annual Ryegrass 10 lbs/acre (PLS)
   Seed (Mix 2): Kentucky bluegrass 25 lbs/acre, plus Redtop 3 lbs/acre or Perennial ryegrass 15 lbs/acre (PLS)
   Critical areas (Mix 3): Birdsfoot Trefoil 6 lbs/acre, plus Tall Fescue 30 lbs/acre (PLS)
   Lime: Six tons/acre
   Fertilizer: Soil tests are recommended. In the absence of a soil test apply at the rate of 10-10-20 @ 1000 lbs/acre
   Mulch: Straw 3 Tons/acre
   Asphalt: SS-1 or Equivalent 150 Gal./acre

3. SEED DATES
   March 15th - May 15th
   August 15th - October 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 2:1 or greater shall be stabilized using crown vetch, as per the requirements of standard and specifications for critical areas stabilization (with ground covers, vines, shrub, and trees).

Mulch Type	Application Rate (Min.)			Notes
	Per Acre	Per 1,000 sq. ft.	Per 1,000 sq. yd.	
Straw	3 Tons	140 lb.	1,240 lb.	Either wheat or oat straw, free of weeds, not chopped or finely broken
Hay	3 Tons	140 lb.	1,240 lb.	Timothy, mixed clover and timothy or other native forage grasses
Wood Cellulose	1,500 lb.	35 lb.	310 lb.	Do not use alone in winter, during hot and dry weather or on steep slopes (>3:1)
Wood	1,000 lb. Cellulose	25 lb.	210 lb.	When used over straw or hay
Wood Chips	4-6 Tons	185-275 lb.	1,650-2,500 lb.	May prevent germination of grasses and legumes

Straw and hay mulch should be anchored immediately after application to prevent being windblown. A tractor-drawn implement may be used to "crimp" the straw or hay into the soil. This method is limited to slopes no steeper than 3:1. The machinery should be operated on the contour. (Note: Crimping of hay or straw by running over it with tracked machinery is not recommended.)

Tacking Notes:
Straw and hay mulch should be anchored immediately after application to prevent being windblown. A tractor-drawn implement may be used to "crimp" the straw or hay into the soil. This method is limited to slopes no steeper than 3:1. The machinery should be operated on the contour. (Note: Crimping of hay or straw by running over it with tracked machinery is not recommended.)

Polymeric and gum tackifiers mixed and applied according to manufacturer's recommendations may be used to tack mulch.

Synthetic binders, or chemical binders, may be used as recommended by the manufacture to anchor mulch provided sufficeint documentation is provided to show they are non-toxic to native plant and animal species.

******A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.******

NOT APPROVED FOR CONSTRUCTION

FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com

MARK | DESCRIPTION | DATE

FAIRGROUND AVENUE LINEAR PARK
SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET
CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

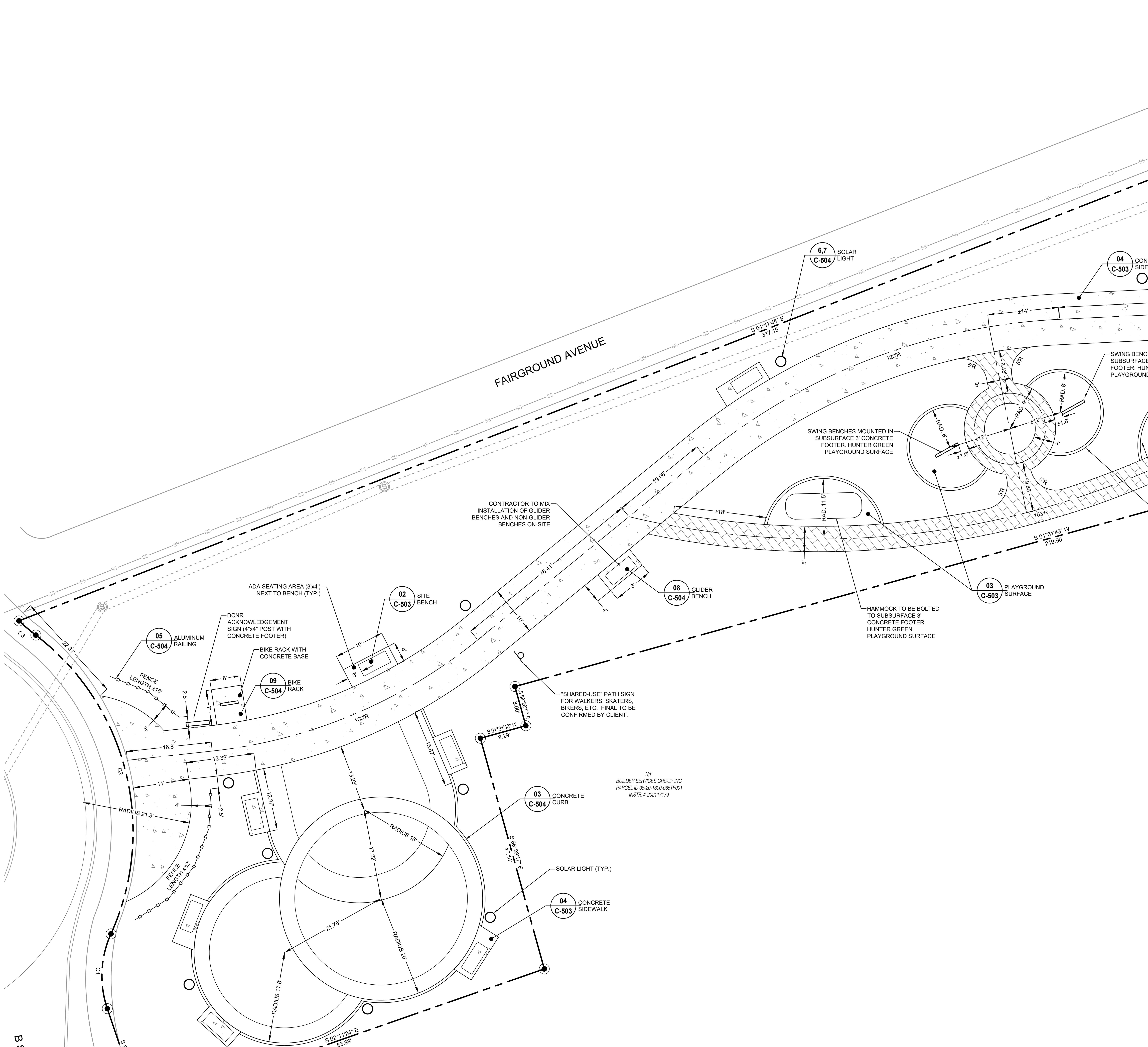
Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO. 50323	
DWN BY CMC	DATE 2-1-2022
PROJECT MANAGER CMC - cchiampi@fsa-inc.com	
PARCEL ID Multiple Properties	
SCALE NTS	

SHEET TITLE
ESC NOTES & DETAILS

C-502

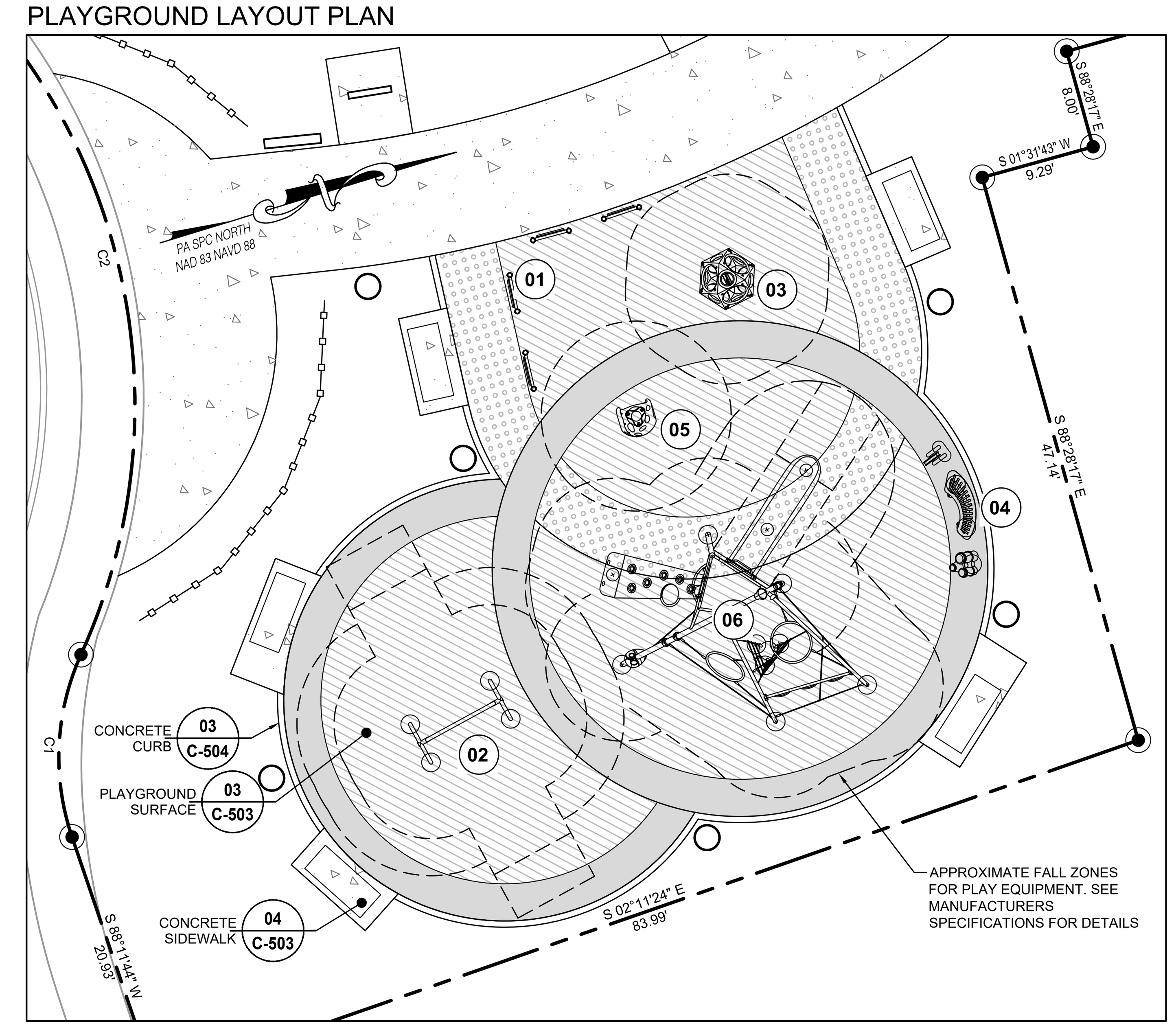
SITE LAYOUT AND LANDSCAPE PLAN



NOTES:

1. The swing bench specified above is to be the following product:
   Premier Polysteel 6' Commercial Contour Swing, brown, welded rod surface, SKU: 939-S12-066
2. The hammock specified above is to be the following product:
   Hatteras DuraCord Rope Hammock with Metal Stand, oatmeal rope, bronze stand, HHDURACORD-KIT
3. The water fountain specified above is to be from Pittsburgh Water Cooler and the following model:
   Halsey Taylor Endura II Bi-Level Tubular Pedestal Barrier Free Outdoor Drinking Fountain, I.D. # 4420.
   Evergreen powder-coat finish
4. Contractor to coordinate with the Borough of Carlisle for any utility connections within the Public right-of-way. Contractor to repair any sidewalk and roadway for utility connections per Borough standards.
5. Contractor is responsible for all utility trenching, backfill and connections for proposed utilities.
6. The products listed above should be purchased accordingly or a client/FSA approved equivalent.
7. Contractor to install these products per manufacturer's instructions and standards.

PLAYGROUND LAYOUT PLAN



PLAYGROUND EQUIPMENT LEGEND:
See 01/C-503 for details.
01 - Communication Board
02 - Swing Along
03 - PlayCubes
04 - Concerto
05 - Cozy Cocoon
06 - UC-2000

PLAYGROUND SURFACE LEGEND:
See 03/C-503 for details.
Hunter Green
Sky Blue
Gold
** Final color combination to be confirmed by client/FSA

SCALE: 1" = 10'

NOT APPROVED FOR CONSTRUCTION

FSA
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128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

MARK:	DESCRIPTION:	DATE:

FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET
CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO. 50323	
DWN BY CMC	DATE 2-1-2022
PROJECT MANAGER CMC - cchiampi@fsa-inc.com	
PARCEL ID Multiple Properties	
SCALE 1" = 10'	
SHEET TITLE SITE LAYOUT PLAN	

GENERAL LANDSCAPE NOTES:

1. Landscape contractor is to call PA One Call and have all underground utilities marked prior to any digging or planting.
2. Landscape Contractor shall install all plant material in a timely fashion.
3. Landscape Contractor shall be responsible for all watering, weeding, repairs and replacements prior to final acceptance.
4. NO Substitutions of plant material without written permission of FSA. Planting plans have been proposed with plant sizes, types, and locations as important design elements.
5. Plants shall be in accordance with the current issue of American Standards for Nursery Stock published by the American Association of Nurserymen.
6. All plants shall be watered thoroughly during installation and prior to final acceptance.
7. All bark mulched areas shall be first covered with Typar Weed Barrier or approved equal.
8. All planting bed areas on the site shall be mulched with a hardwood bark mulch at a depth of approx. 3", unless noted otherwise.
9. Plant material shall be inspected yearly in order to remove and replace dead, diseased vegetation.
10. Warranted plant material that is 25% dead or more shall be considered dead and shall be replaced at no charge.
11. All plant material shall be warranted for one year. 60 days prior to the end of the warranted period, the Engineering Department shall perform an inspection. Of which there should be an 90% survival rate of all plant material. All surviving plant material shall be found in a healthy condition. The warranty shall commune on the date of initial acceptance by the owner.
12. The landscape contractor shall conduct a final inspection with the owner or owner's representative at the end of the warranty period.
13. Fertilizer Packets are to be Nutri-Pak 16-8-8 or approved equal per manufacturer's recommendations.

MAINTENANCE:

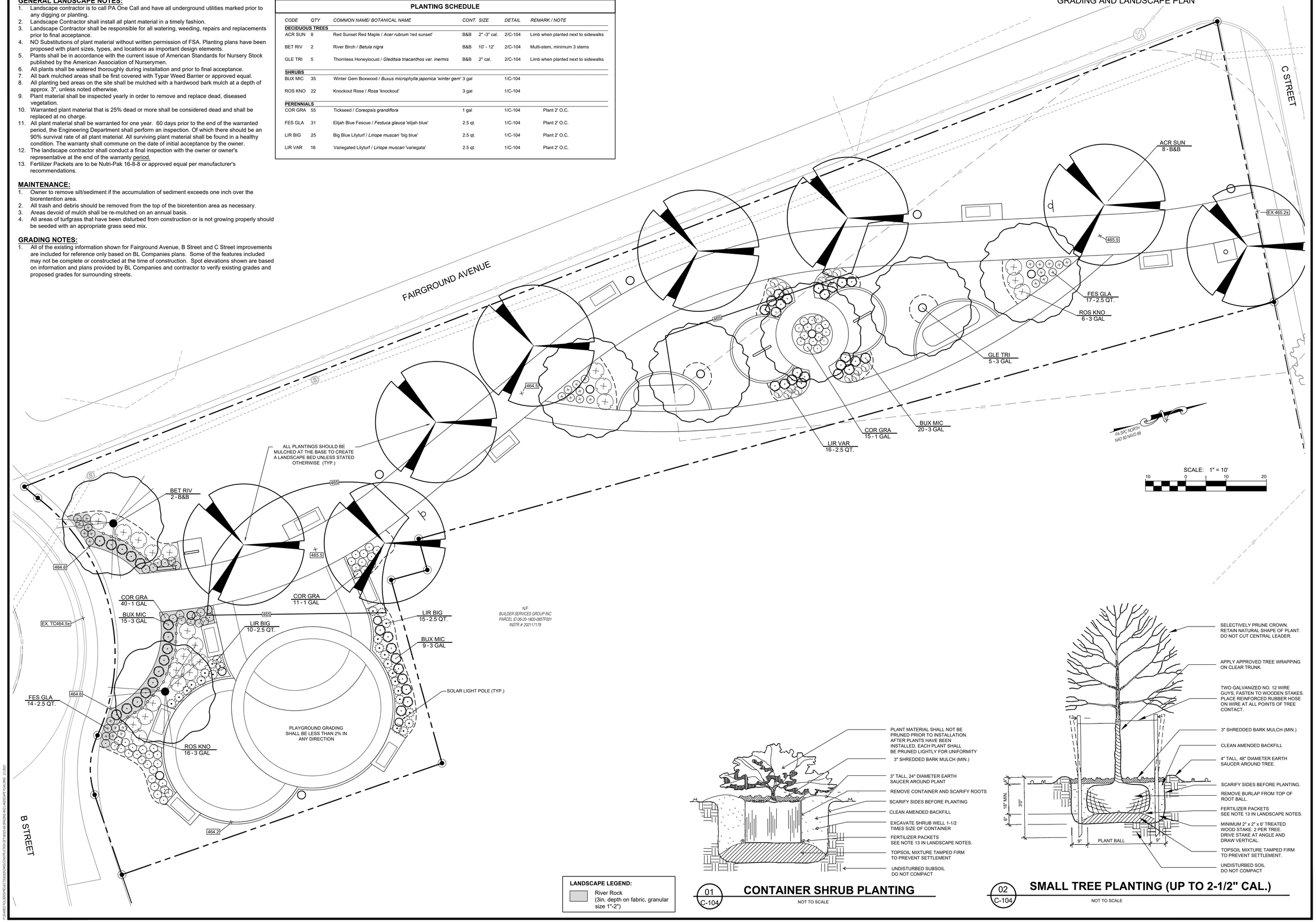
1. Owner to remove silt/sediment if the accumulation of sediment exceeds one inch over the bioretention area.
2. All trash and debris should be removed from the top of the bioretention area as necessary.
3. Areas devoid of mulch shall be re-mulched on an annual basis.
4. All areas of turfgrass that have been disturbed from construction or is not growing properly should be seeded with an appropriate grass seed mix.

GRADING NOTES:

1. All of the existing information shown for Fairground Avenue, B Street and C Street improvements are included for reference only based on BL Companies plans. Some of the features included may not be complete or constructed at the time of construction. Spot elevations shown are based on information and plans provided by BL Companies and contractor to verify existing grades and proposed grades for surrounding streets.

PLANTING SCHEDULE

CODE	QTY	COMMON NAME/ BOTANICAL NAME	CONT.	SIZE	DETAIL	REMARK / NOTE
DECIDUOUS TREES						
ACR SUN	8	Red Sunset Red Maple / *Acer rubrum* 'red sunset'	B&B	2" -3" cal.	2/C-104	Limb when planted next to sidewalks
BET RIV	2	River Birch / *Betula nigra*	B&B	10' - 12'	2/C-104	Multi-stem, minimum 3 stems
GLE TRI	5	Thornless Honeylocust / *Gleditsia triacanthos var. inermis*	B&B	2" cal.	2/C-104	Limb when planted next to sidewalks
SHRUBS						
BUX MIC	35	Winter Gem Boxwood / *Buxus microphylla japonica 'winter gem'*	3 gal		1/C-104	
ROS KNO	22	Knockout Rose / *Rosa* 'knockout'	3 gal		1/C-104	
PERENNIALS						
COR GRA	55	Tickseed / *Coreopsis grandiflora*	1 gal		1/C-104	Plant 2' O.C.
FES GLA	31	Elijah Blue Fescue / *Festuca glauca* 'elijah blue'	2.5 qt.		1/C-104	Plant 2' O.C.
LIR BIG	25	Big Blue Lilyturf / *Liriope muscari* 'big blue'	2.5 qt.		1/C-104	Plant 2' O.C.
LIR VAR	16	Variegated Lilyturf / *Liriope muscari* 'variegata'	2.5 qt.		1/C-104	Plant 2' O.C.



LANDSCAPE LEGEND:

River Rock
(3in. depth on fabric, granular size 1"-2")

01 C-104 **CONTAINER SHRUB PLANTING**

NOT TO SCALE

02 C-104 **SMALL TREE PLANTING (UP TO 2-1/2" CAL.)**

NOT TO SCALE

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MARK	DESCRIPTION	DATE

NOT APPROVED FOR CONSTRUCTION

FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND HANOVER STREET

CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Aurelia Crouse
53 West South Street Carlisle, PA 17013
717-249-4422

PROJECT NO.	50323
DWN BY	CMC
DATE	2-1-2022
PROJECT MANAGER	CMC - cchiampi@fsa-inc.com
PARCEL ID	Multiple Properties
SCALE	1" = 10'

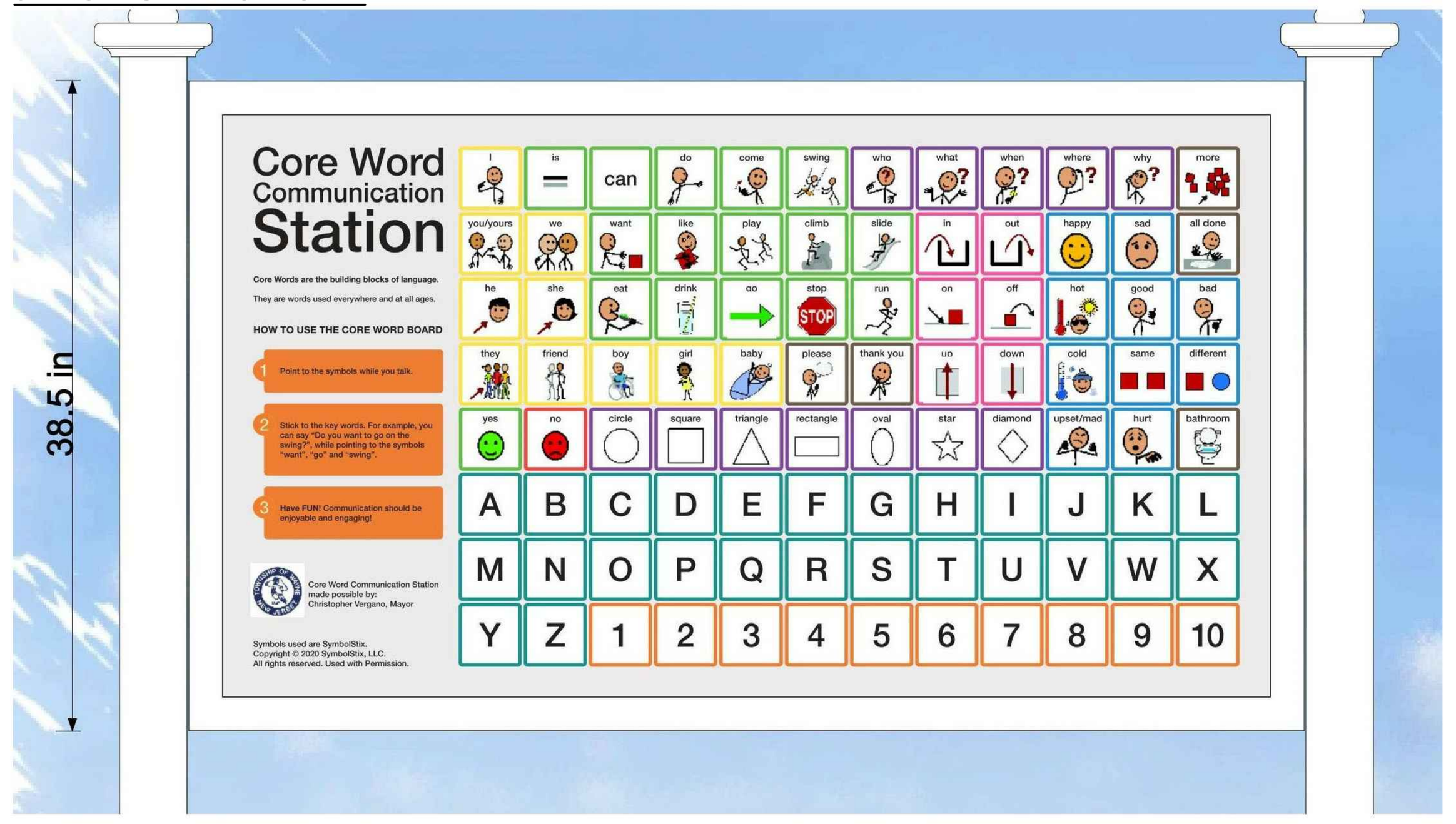
SHEET TITLE

GRADING AND LANDSCAPE PLAN

C-104
SHEET 9 OF 13

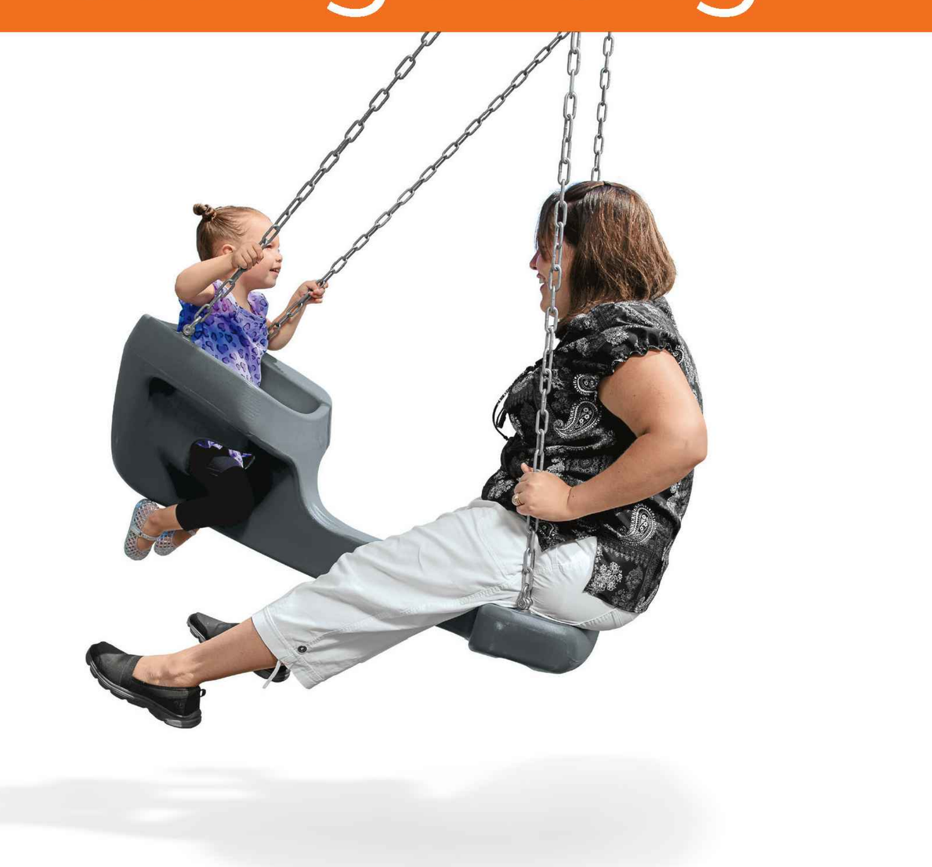
P:\SHARED FOLDERS\PROJECTS\50323\PRO\CONSTRUCTION SET\50323 GRADING AND LANDSCAPE PLAN.DWG 2/1/2022

01 - COMMUNICATION BOARD



02 - SWING ALONG

Swing Along



Why swing alone, when you can Swing Along?

This multigenerational swing allows children ages 5 and under to sit face-to-face with and in close proximity to a sibling, parent or caregiver. This configuration promotes social, emotional, visual, vestibular, proprioceptive and language skill development, and is a great way to teach little ones how to swing.

Features

A single, sleek rotomolded piece with chain suspension features an easy-to-access adult seat and an extra deep toddler seat that provides trunk support and an added handhold area. Swing Along seats and chains must be used with the designated Swing Along arches and add-a-bays (sold separately).

Materials:

Swing – Double wall rotationally molded LLDPE (linear low density polyethylene)

Hardware – 18-8 grade stainless 635 steel; tamper-proof

Chain – Steel 4/0 silver shield coated chain

Arch Swing Frame:

Weldments – 3.50 OD x 13 ga galv steel tubing, 4.0 OD x 8 ga galv steel tubing,

Top Rail – 3.5 OD x 8 ga

Weldments – 5.0 OD x 1/8" wall aluminum tubing, 4.65 OD 6061-T6 Aluminum

Top Rail – 5.0 OD x 11 ga aluminum tubing

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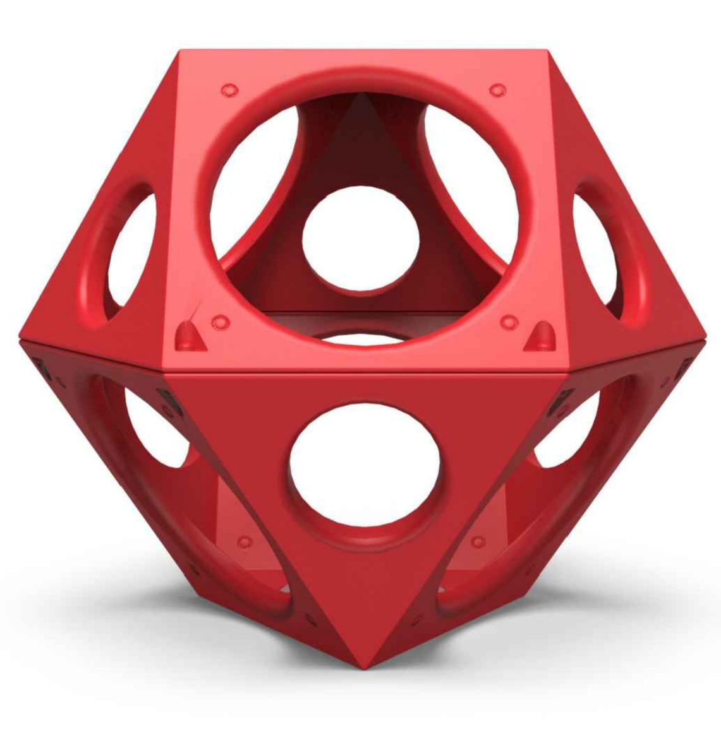
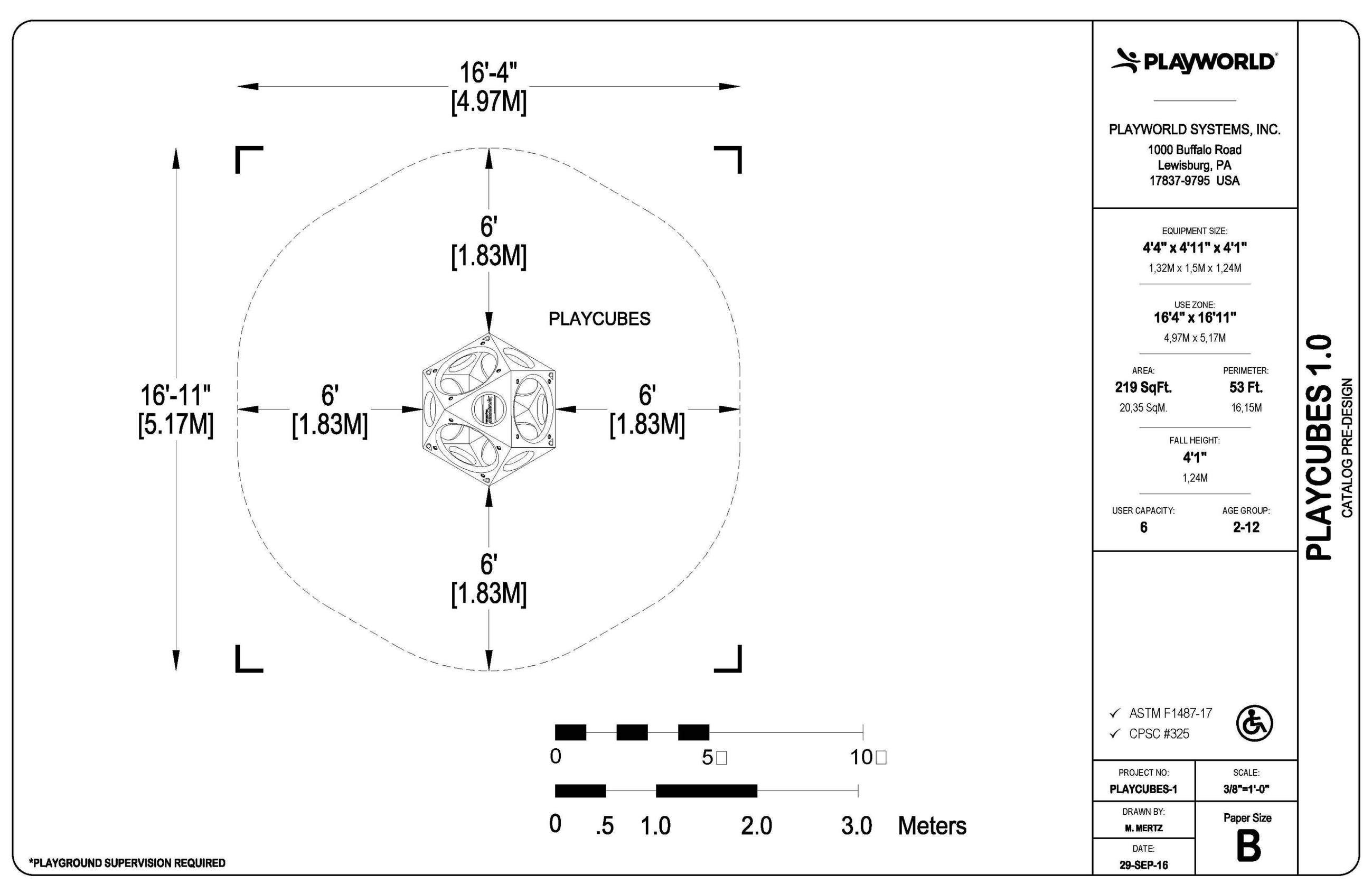
03 - PLAYCUBES

PlayCubes 1.0 | Equipment Manufacturer PLAYWORLD





04 - CONCERTO

Concerto

Let all kids play in perfect harmony.

The Concerto line of outdoor musical equipment allows children of all abilities to experience the joy and benefits of making music. Designed at a more accessible angle and height, these instruments can be played comfortably by all kids, including those with mobility devices.

Both the Vibes and Chimes are tuned on a diatonic scale, which means that kids can achieve more accurate musical notes and learn to play real songs. Each has good sustain when struck with the attached rubber mallets, immersing children in sensory stimulation from the vibrations. Concerto Cabasas produce a metallic rattle as they spin, ranging in frequency depending upon drum size. Kids will keep the rhythm as others join in on the Congas, which differ in diameter and length to give each one a unique tone.

Weldments	Galvanized 1/8" steel plates; 1-5/16" OD 14-gauge & 1" oval 15-gauge steel tubing – All Components
Plastic Panels	1/2" and 3/4" HDPE (high-density polyethylene) sheets – Cabasas – Vibes
Hardware	18-8 Stainless Steel, Tamper resistant – All Components
Coating	Super durable, electrostatically applied powder coat – All Components
Steel posts	5.00" OD x 11 gage galvanized steel tubing - Bongo post, 3.50" OD x 13 gage galvanized steel tubing – Chimes frame – Vibes post – Cabasas post
Aluminum	6063 Aluminum - Chimes
Congas	ABS plastic

Concerto installation requirements:

Chimes and Vibes must be installed OUTSIDE of the playground area in regions that follow CSA certification.
This is in order to meet playground compliance since there are several issues with the instruments using mallets that will not meet the guidelines

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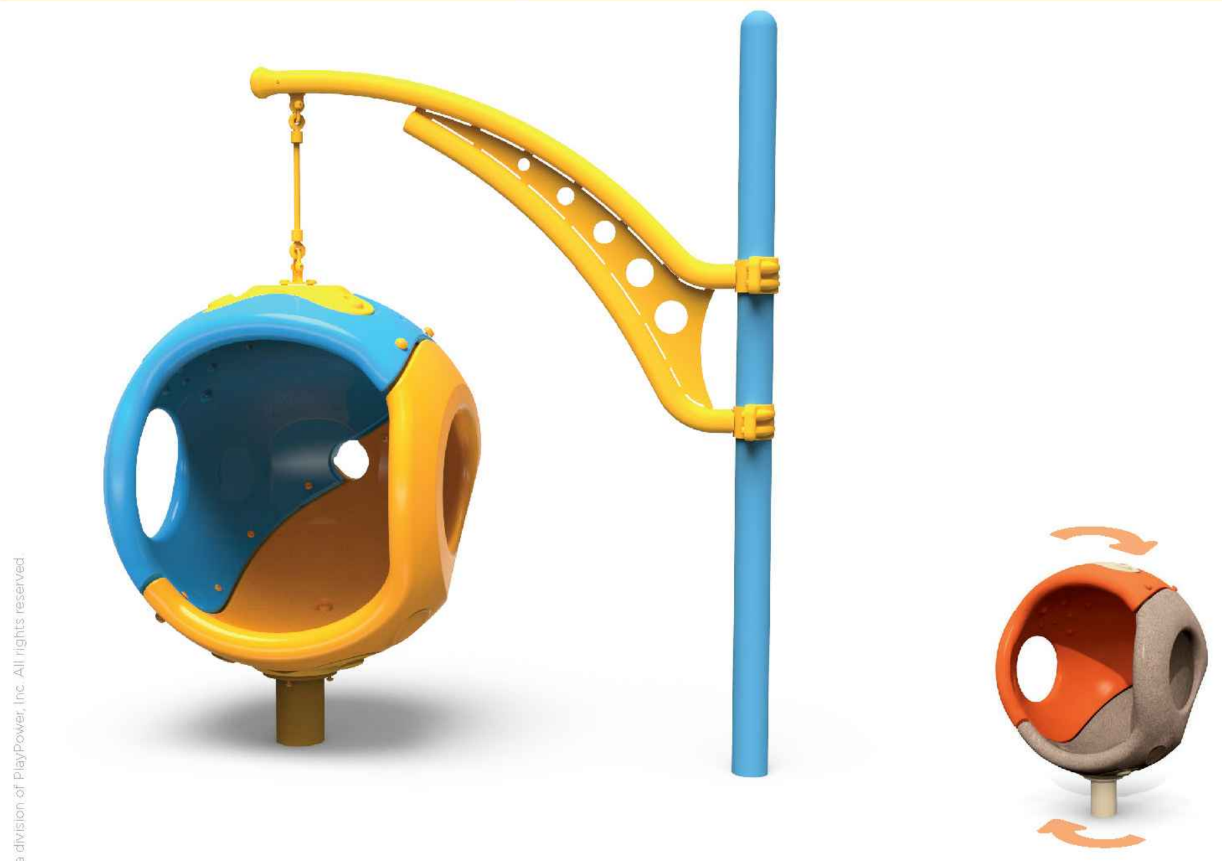
Concerto

Description	Item Number	Ages	Space Required	Size	Fall Height	Play Events	Child Capacity	Install Hours	Weight	ADA	ASTM F1487	CPSC Pub325	CAN/CSA-Z614	EN1176
Concerto™ Chimes	ZZXX0667	2-12	-	2'1" X 3'6" X 5'8" 0,62m X 1,07m X 1,73m	-	1	2	2hr - ING 1hr - SM	130 lbs 59 kg	•	•			•
Concerto™ Vibes	ZZXX0666	2-12	-	1'4" X 4'9" X 6'2" 0,40m X 1,44m X 1,87m	-	1	2	2hr - ING 1hr - SM	136 lbs 62 kg	•	•			•
Concerto™ Small Cabasa	ZZXX0660	2-12	-	1'1" x 1'7" X 3'1" 0,33m X 0,49m X 0,94m	-	1	1	1.5hr - ING .5hr - SM	59 lbs 27 kg	•	•	•	•	•
Concerto™ Medium Cabasa	ZZXX0661	2-12	-	1'1" X 1'10" X 3'4" 0,33m X 0,57m X 1,02m	-	1	1	1.5hr - ING .5hr - SM	67 lbs 30 kg	•	•	•	•	•
Concerto™ Large Cabasa	ZZXX0662	2-12	-	1'1" X 2'1" X 3'7" 0,33m X 0,65m X 1,10m	-	1	1	1.5hr - ING .5hr - SM	79 lbs 36 kg	•	•	•	•	•
Concerto™ Two Congas	ZZXX0663	2-12	-	1'8" X 1'11" X 2'4" 0,51m X 0,58m X 0,70m	-	1	2	1hr - ING .5hr - SM	51 lbs 23 kg	•	•	•	•	•
Concerto™ Three Congas	ZZXX0664	2-12	-	2'0" X 2'6" X 2'7" 0,62m X 0,76m X 0,78m	-	1	2	1hr - ING .5hr - SM	62 lbs 28 kg	•	•	•	•	•
Concerto™ Five Congas	ZZXX0665	2-12	-	2'2" X 2'9" X 2'10" 0,66m X 0,83m X 0,85m	-	1	2	1hr - ING .5hr - SM	78 lbs 35 kg	•	•	•	•	•

05 - COZY COCOON

Cozy Cocoon™



Freestanding Option

Features

Cozy on up to this inclusive sensory escape.

Every kid wants to get away from the action once in a while. Cozy Cocoon is a comfortable place where up to three children (or a child and parent) can retreat to and just hang out or spin the day away. Especially designed for kids on the autism spectrum, this little pod provides a sense of enclosure for children who are overstimulated, while still allowing for easy caregiver supervision through several windows. Interior textures and molded-in features offer a calming activity that encourages imagination and exploration. Cozy Cocoon is available as a stationary component that attaches to your Playmakers® or Challengers® structure via a 6' (1,83m) arm, or as a spinning, freestanding play event.

Materials:

Steel Frame – 2.38" OD 12 gauge galvanized steel tubing, 7 gauge steel plate

Post – 5.00" OD 11 gauge galvanized steel tubing, 3/8" steel plate

Plastic – Double wall rotationally molded LLDPE (linear low density polyethylene)

Rope – Internal four-stranded galvanized steel cables,external polyester yarn stranded rope

Clamps – 535 Almag Aluminum

Hardware – 18-8 grade stainless steel that requires tooling to install or remove

Coating – Super durable polyester powder coat electrostatically applied at a thickness of 2-5mils

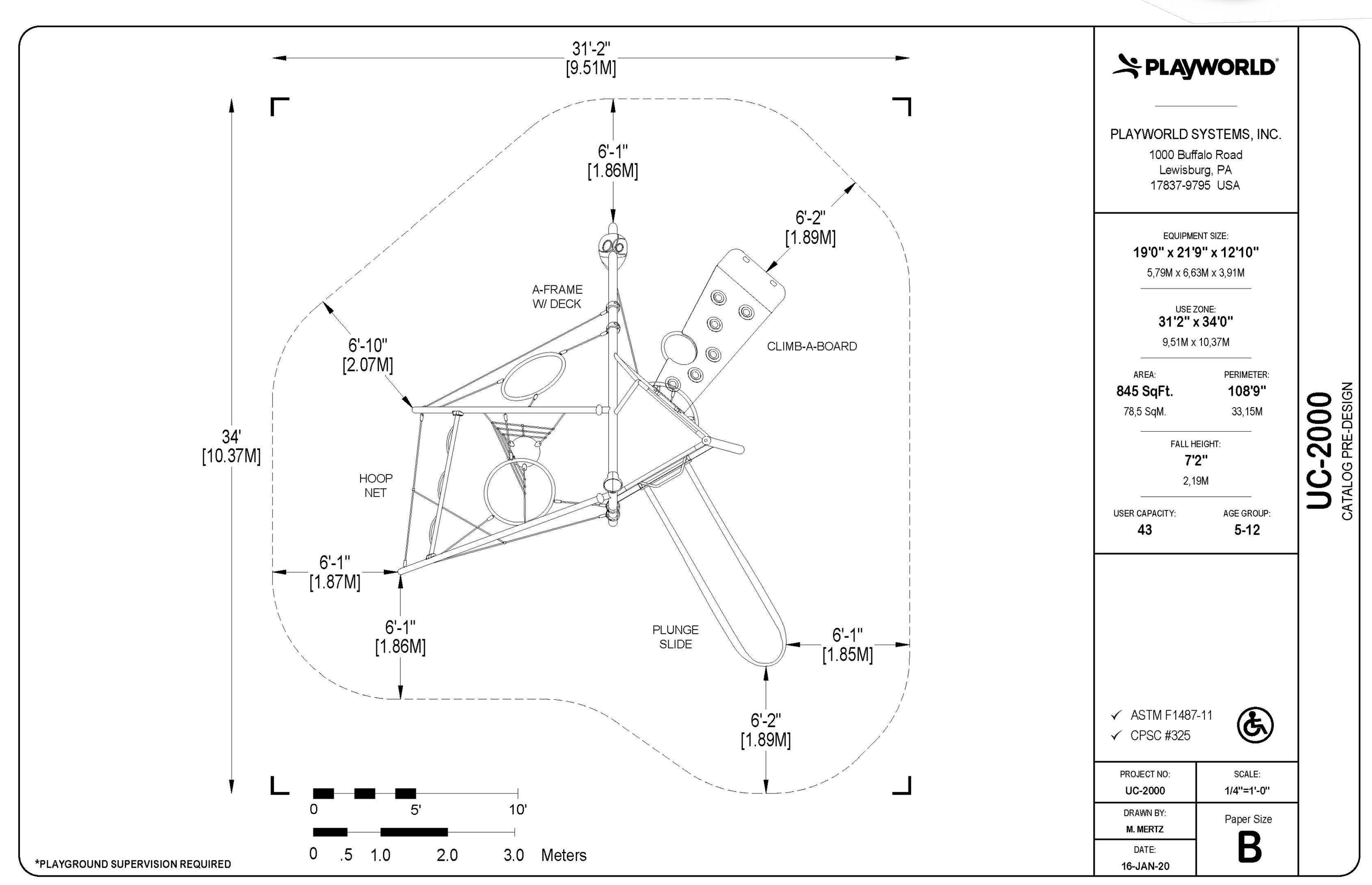
ss_Cozy-Cocoon • 01.24.18 • © 2018 Playworld Systems, Inc. Playworld is a division of PlayPower, Inc.

Cozy Cocoon *continued*

Description	Item Number	Ages	Space Required	Size	Fall Height	Play Events	Child Capacity	Install Hours	Weight
Cozy Cocoon - Stationary	ZZCH8606	2-12	()	2' 9" x 5' 6" x 6' 5" (0,83m x 1,68m x 1,95m)	1' 8" (0,5m)	1	3	2	116 lbs lbs (52 kgkg)
Cozy Cocoon - Stationary (Surface Mount)	ZZCH8606S	2-12	()	2' 9" x 5' 6" x 6' 5" (0,83m x 1,68m x 1,95m)	1' 8" (0,5m)	1	3	2	108 lbs lbs (49 kgkg)
Cozy Cocoon - Stationary	ZZPM8606	2-12	()	2' 9" x 5' 6" x 6' 5" (0,83m x 1,68m x 1,95m)	1' 8" (0,5m)	1	3	2	118 lbs lbs (54 kgkg)
Cozy Cocoon - Stationary (Surface Mount)	ZZPM8606S	2-12	()	2' 9" x 5' 6" x 6' 5" (0,83m x 1,68m x 1,95m)	1' 8" (0,5m)	1	3	2	110 lbs lbs (50 kgkg)
Cozy Cocoon™ Freestanding	ZZXX0483	2-12	14' 11" x 14' 9" (4,55m x 4,5m)	2' 11" x 2' 9" x 4' 0" (0,89m x 0,84m x 1,22m)	1' 2" (0,36m)	1	3	1.5	132 lbs (60 kg)

06 - UC-2000

UC-2000 | Equipment Manufacturer PLAYWORLD

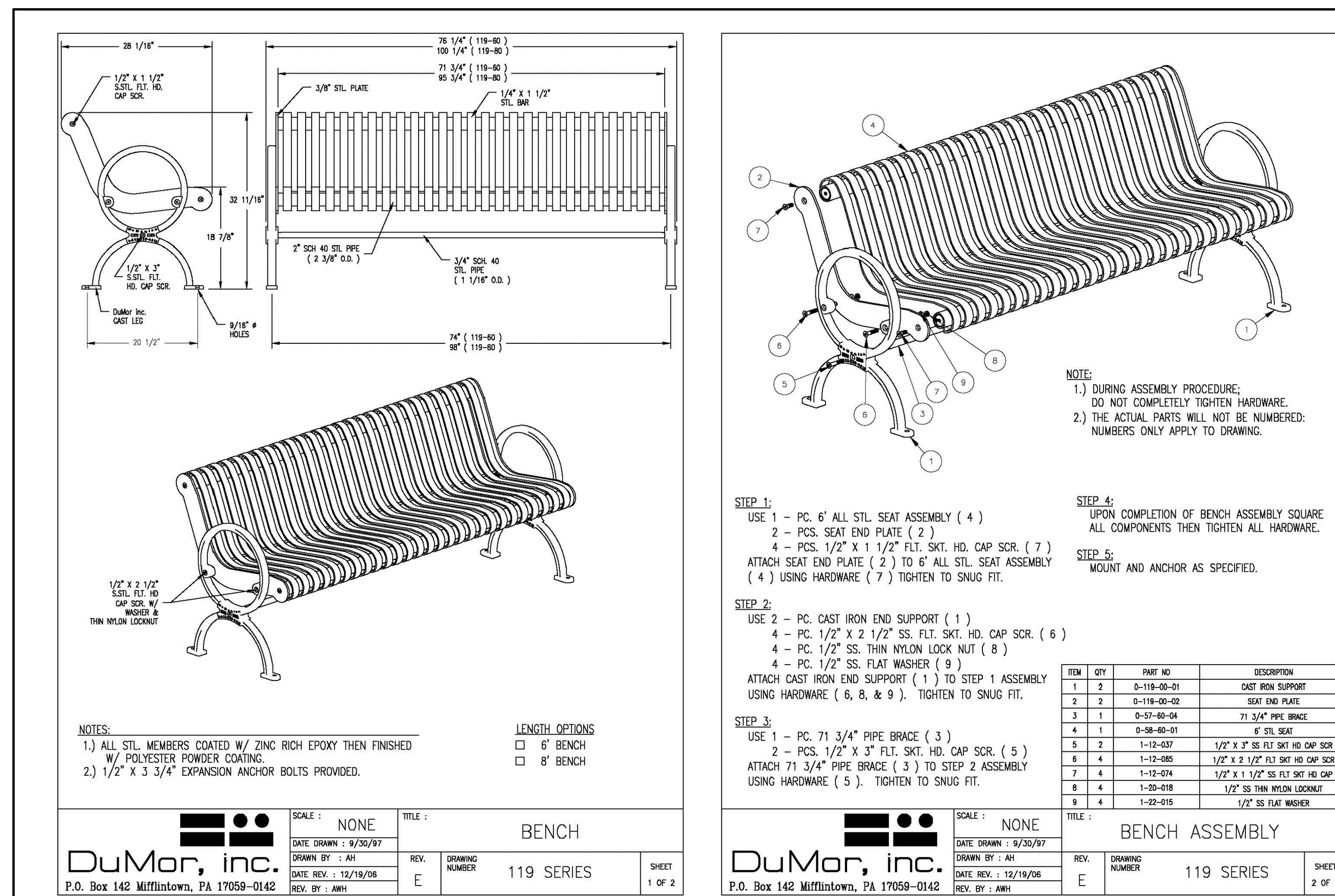


PLAYGROUND SPECIFICATIONS:

1. Contractor to coordinate with the local playground equipment supplier George Ely and Associates for any questions or clarifications in reference to the above playground equipment.
2. All playground equipment color palettes should be reviewed with the client/FSA before purchase.
3. The playground equipment is to be purchased accordingly or a client/FSA approved equivalent.
4. Contractor to install playground equipment per manufacturer's instructions and standards.

01 / C-503 **PLAYGROUND EQUIPMENT**

NOT TO SCALE



NOTES:
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
LENGTH OPTIONS
6' BENCH
8' BENCH
STEP 3:
USE 1 - PC. 71 3/4" PIPE BRACE (3)
2 - PCS. 1/2" X 3" FLT. SKT. HD. CAP SCR. (5)
ATTACH 71 3/4" PIPE BRACE (3) TO STEP 2 ASSEMBLY USING HARDWARE (5). TIGHTEN TO SNUG FIT.
DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142
SCALE: NONE
DATE DRAWN: 9/30/97
DRAWN BY: AH
DATE REV.: 12/19/06
REV. BY: AWH
TITLE: BENCH
TITLE: BENCH ASSEMBLY
REV. E
DRAWING NUMBER 119 SERIES
SHEET 1 OF 2
SHEET 2 OF 2

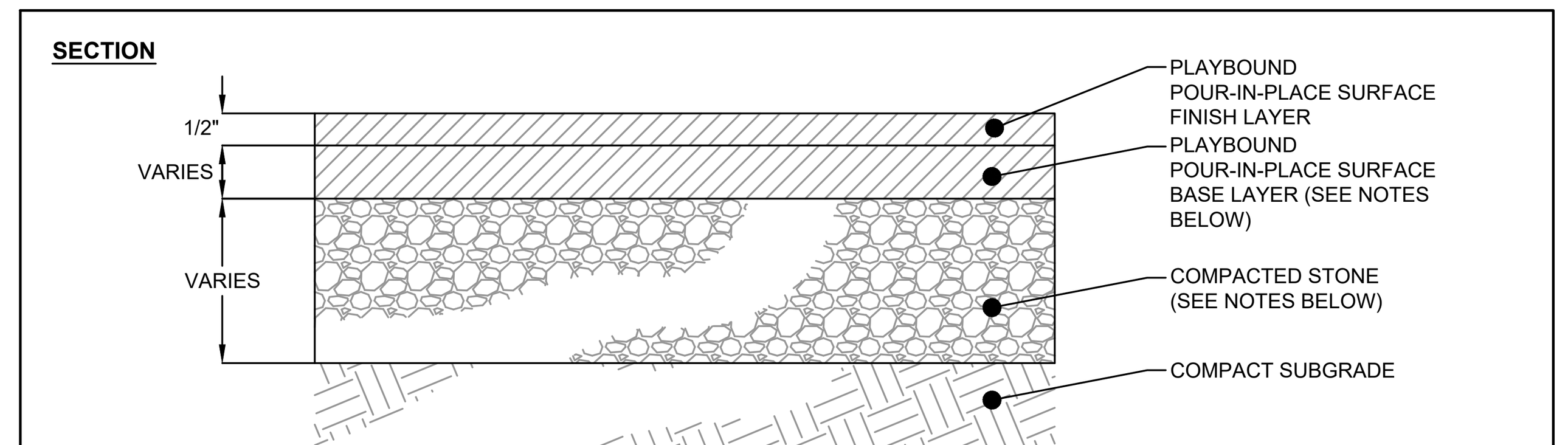
BENCH SPECIFICATIONS:

1. This bench will be surface mount construction. The bench is to be 6'.
2. The bench to be purchased accordingly or a client/FSA approved equivalent.
3. Contractor to install bench per manufacturer's instructions and standards.

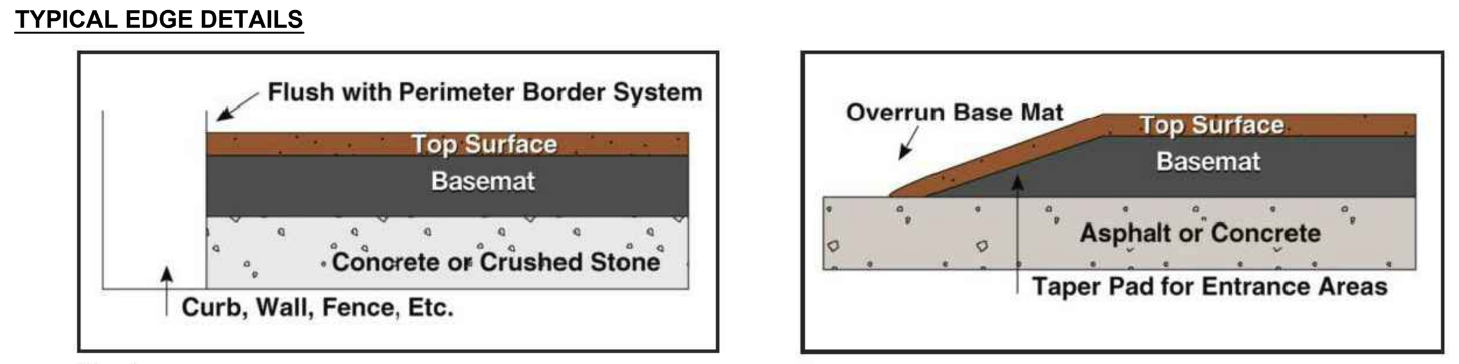
02 / C-503 **SITE BENCHES**

NOT TO SCALE

SECTION



TYPICAL EDGE DETAILS



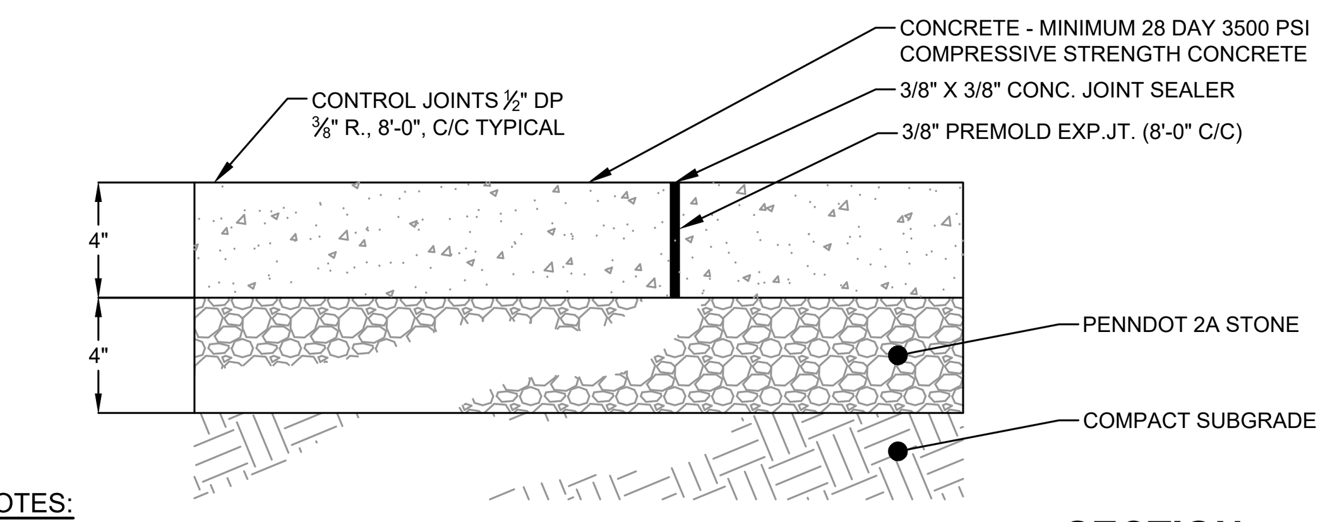
Flush | Overrun

NOTES:

1. The pour-in-place surface is to be PlayBound Pour-in-Place surfacing provided by:
   Surface America
   505 Aero Drive, Suite 1
   Cheektowaga, NY 14225
2. Typical thickness range for pour-in-place surface is 1-3/4″ to 5-1/2″
3. 95% Standard Proctor Compaction (as per ASTM Test) is of critical importance.
4. Stone for the base must be a homogeneous mix of ¾" stone down to fines and you need to achieve a 95% compaction.
5. The minimum depth of the crushed stone base is 4". Typical thickness range is 4" – 6". Crushed stone base layers thicker than 6" are more challenging to achieve the necessary 95% compaction rate throughout the base. Thickness is never to exceed 10".
7. Crushed stone base must be fully contained.
8. Stone base depth to be coordinated with manufacturer specifications for the correct fall depth thickness for the proposed equipment.
9. Depth of base layer for the play surface to be coordinated with manufactuer specifications for the correct fall depth thickness for the proposed equipment.
10. The colors are to be Sky Blue, Hunter Green and Gold. Refer to the Playground Layout Plan on sheet C-103. Colors to be confirmed by client.
11. The playground surface is to be purchased accordingly or a client/FSA approved equivalent.
12. Contractor to install playground surface per manufacturer's instructions and standards.

03 / C-503 **POUR-IN-PLACE PLAYGROUND SURFACE**

NOT TO SCALE



NOTES:

1. Class P-I Air Entrained Concrete
2. Sidewalk to have 3/8" contraction joints scored at 5'-0" intervals.
3. Construct 3/8" expansion joints spaced every 20' and between curb and sidewalk where adjacent.
4. Sidewalk to be brush finished.

SECTION

04 / C-503 **SIDEWALK - CONCRETE**

NOT TO SCALE

NOT APPROVED FOR CONSTRUCTION

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20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
16 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

MARK: | DESCRIPTION: | DATE:

FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET
CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO.	50323
DWN BY: CMC	DATE: 2-1-2022
PROJECT MANAGER	CMC - cchiampi@fsa-inc.com
PARCEL ID	Multiple Properties
SCALE	NTS
SHEET TITLE	SITE DETAILS

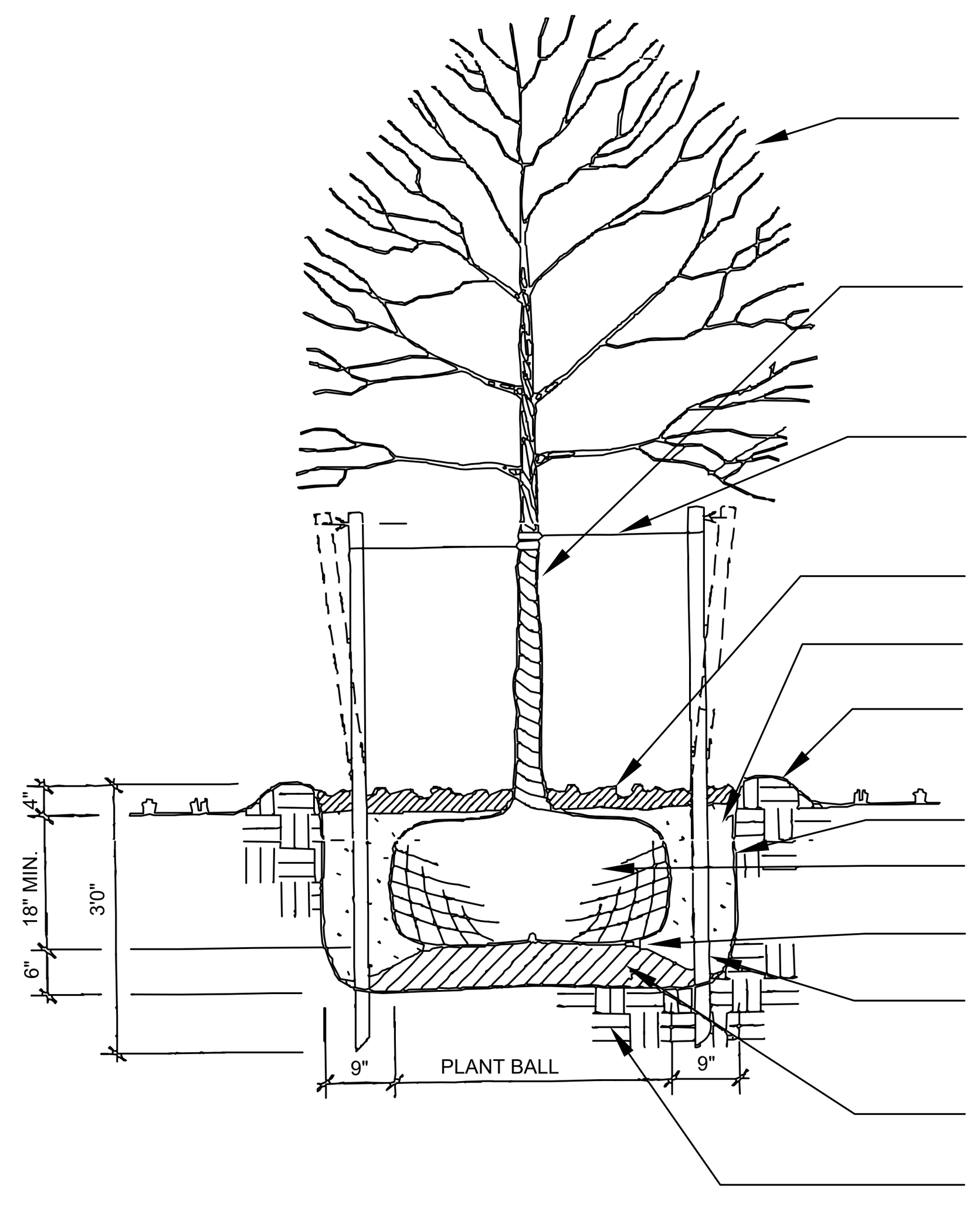
C-503

GENERAL LANDSCAPE NOTES:

1. Landscape contractor is to call PA One Call and have all underground utilities marked prior to any digging or planting.
2. Landscape Contractor shall install all plant material in a timely fashion.
3. Landscape Contractor shall be responsible for all watering, weeding, repairs and replacements prior to final acceptance.
4. NO Substitutions of plant material without written permission of FSA. Planting plans have been proposed with plant sizes, types, and locations as important design elements.
5. Plants shall be in accordance with the current issue of American Standards for Nursery Stock published by the American Association of Nurserymen.
6. All plants shall be watered thoroughly during installation and prior to final acceptance.
7. All bark mulched areas shall be first covered with Typar Weed Barrier or approved equal.
8. All planting bed areas on the site shall be mulched with a hardwood bark mulch at a depth of approx. 3", unless noted otherwise.
9. Plant material shall be inspected yearly in order to remove and replace dead, diseased vegetation.
10. Warranted plant material that is 25% dead or more shall be considered dead and shall be replaced at no charge.
11. All plant material shall be warranted for one year. 60 days prior to the end of the warranted period, the Engineering Department shall perform an inspection. Of which there should be an 90% survival rate of all plant material. All surviving plant material shall be found in a healthy condition. The warranty shall commune on the date of initial acceptance by the owner.
12. The landscape contractor shall conduct a final inspection with the owner or owner's representative at the end of the warranty period.
13. Fertilizer Packets are to be Nutri-Pak 16-8-8 or approved equal per manufacturer's recommendations.

MAINTENANCE:

1. Owner to remove silt/sediment if the accumulation of sediment exceeds one inch over the biorentention area.
2. All trash and debris should be removed from the top of the bioretention area as necessary.
3. Areas devoid of mulch shall be re-mulched on an annual basis.
4. All areas of turfgrass that have been disturbed from construction or is not growing properly should be seeded with an appropriate grass seed mix.

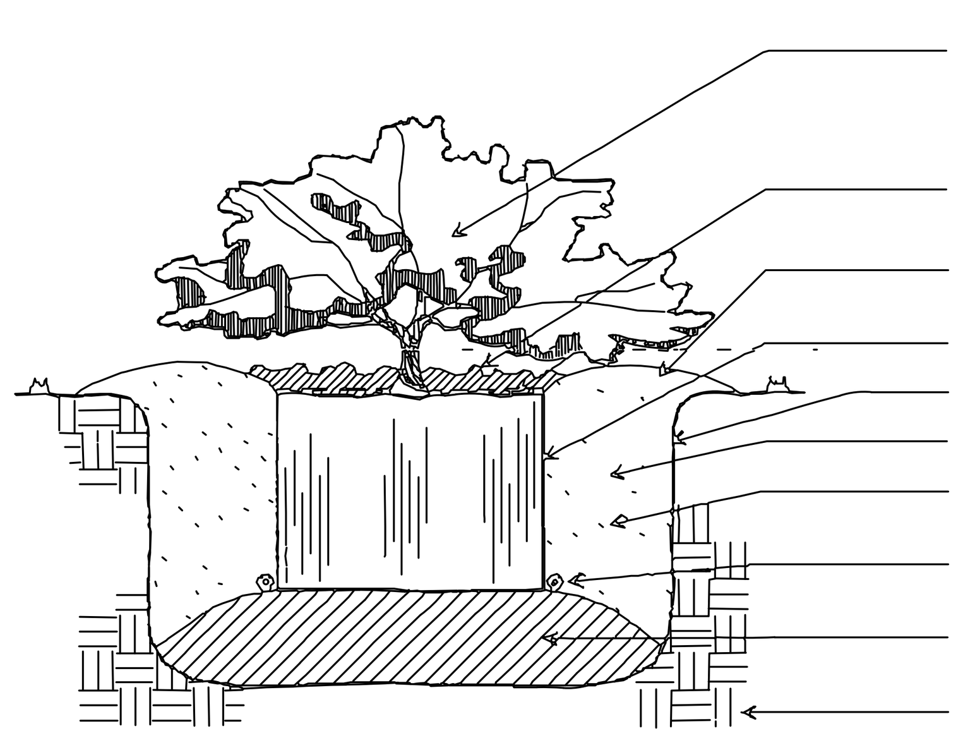


SELECTIVELY PRUNE CROWN. RETAIN NATURAL SHAPE OF PLANT. DO NOT CUT CENTRAL LEADER.
APPLY APPROVED TREE WRAPPING ON CLEAR TRUNK.
TWO GALVANIZED NO. 12 WIRE GUYS, FASTEN TO WOODEN STAKES. PLACE REINFORCED RUBBER HOSE ON WIRE AT ALL POINTS OF TREE CONTACT.
3" SHREDDED BARK MULCH (MIN.)
CLEAN AMENDED BACKFILL
4" TALL, 48" DIAMETER EARTH SAUCER AROUND TREE.
SCARIFY SIDES BEFORE PLANTING.
REMOVE BURLAP FROM TOP OF ROOT BALL.
FERTILIZER PACKETS SEE NOTE 13 IN LANDSCAPE NOTES.
MINIMUM 2" x 2" x 6' TREATED WOOD STAKE. 2 PER TREE. DRIVE STAKE AT ANGLE AND DRAW VERTICAL.
TOPSOIL MIXTURE TAMPED FIRM TO PREVENT SETTLEMENT.
UNDISTURBED SOIL DO NOT COMPACT
PLANT BALL
18" MIN.
3'0"
6"
9"

01 / C-504

SMALL TREE PLANTING (UP TO 2-1/2" CAL.)

NOT TO SCALE

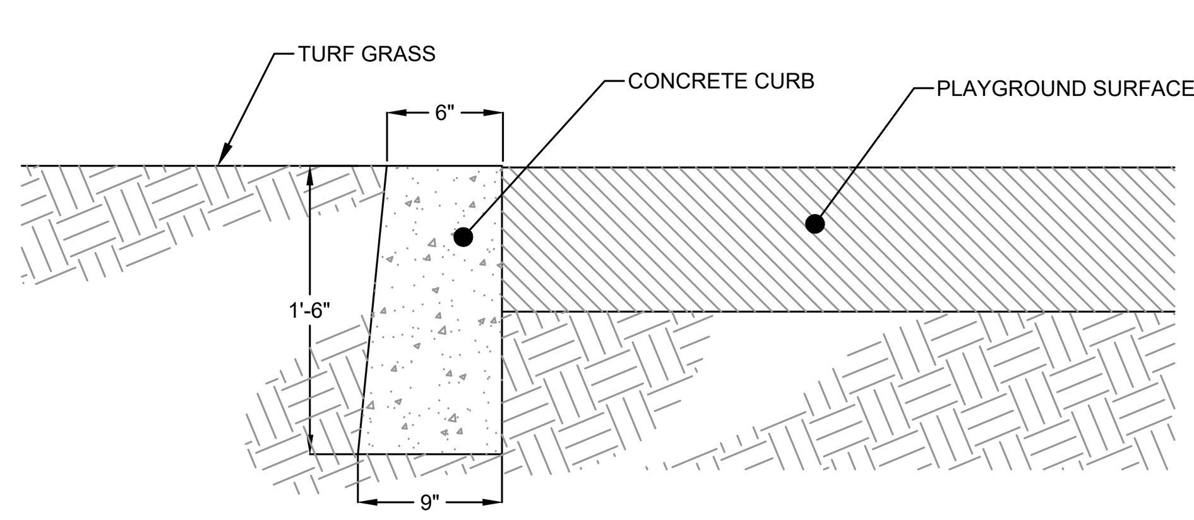


PLANT MATERIAL SHALL NOT BE PRUNED PRIOR TO INSTALLATION. AFTER PLANTS HAVE BEEN INSTALLED, EACH PLANT SHALL BE PRUNED LIGHTLY FOR UNIFORMITY
3" SHREDDED BARK MULCH (MIN.)
3" TALL, 24" DIAMETER EARTH SAUCER AROUND PLANT
REMOVE CONTAINER AND SCARIFY ROOTS
SCARIFY SIDES BEFORE PLANTING
CLEAN AMENDED BACKFILL
EXCAVATE SHRUB WELL 1-1/2 TIMES SIZE OF CONTAINER
FERTILIZER PACKETS SEE NOTE 13 IN LANDSCAPE NOTES.
TOPSOIL MIXTURE TAMPED FIRM TO PREVENT SETTLEMENT
UNDISTURBED SUBSOIL DO NOT COMPACT

02 / C-504

CONTAINER SHRUB PLANTING

NOT TO SCALE



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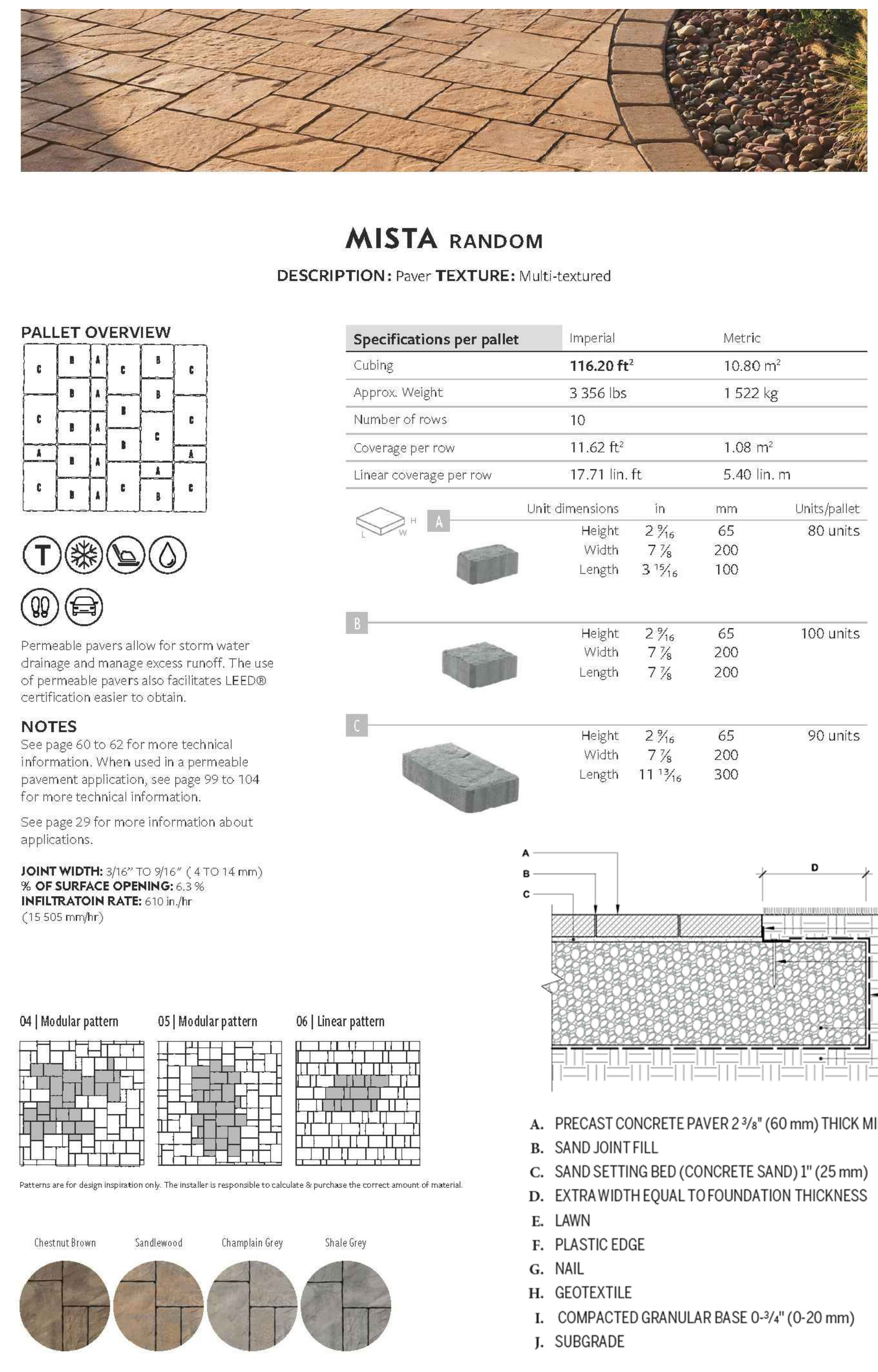
CURB - CONCRETE - 6"

NOT TO SCALE



MISTA RANDOM
DESCRIPTION: Paver TEXTURE: Multi-textured
PALLET OVERVIEW
Specifications per pallet
04 | Modular pattern
05 | Modular pattern
06 | Linear pattern
Chestnut Brown
Sandlewood
Champlain Grey
Shale Grey
A. PRECAST CONCRETE PAVER 2-3/8" (60 mm) THICK MIN.
B. SAND JOINT FILL
C. SAND SETTING BED (CONCRETE SAND) 1" (25 mm)
D. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
E. LAWN
F. PLASTIC EDGE
G. NAIL
H. GEOTEXTILE
I. COMPACTED GRANULAR BASE 0-3/4" (0-20 mm)
J. SUBGRADE

PAVER SPECIFICATIONS:

1. Mista paver block to be color chestnut brown.
2. Paver blocks to be arranged in Linear 06 pattern.
3. The paver block is to be purchased accordingly or a client/designer approved equivalent.
4. Contractor to install block steps per manufacturer's instructions and standards.

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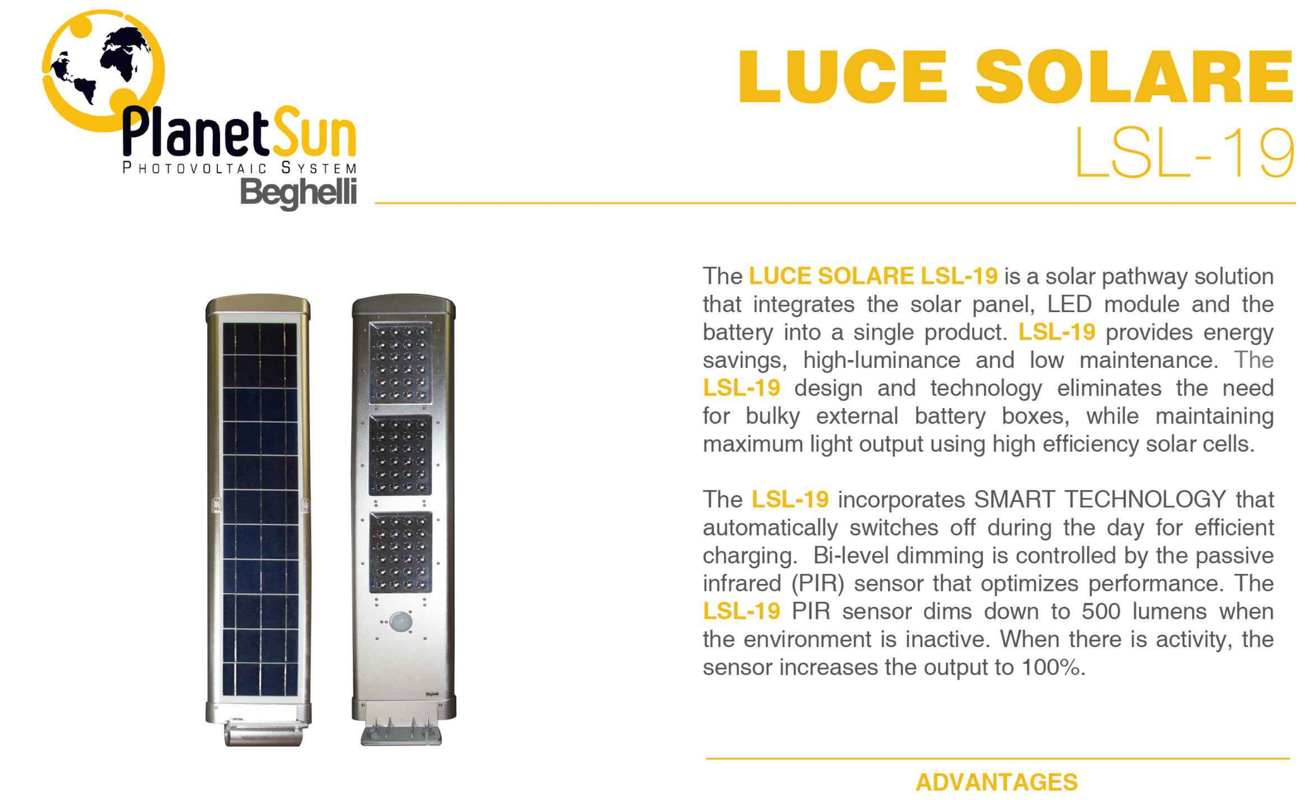
PAVER PATH

NOT TO SCALE



The LUCE SOLARE LSL-19 is a solar pathway solution that integrates the solar panel, LED module and the battery into a single product. LSL-19 provides energy savings, high-luminance and low maintenance. The LSL-19 design and technology eliminates the need for bulky external battery boxes, while maintaining maximum light output using high efficiency solar cells.

The LSL-19 incorporates SMART TECHNOLOGY that automatically switches off during the day for efficient charging. Bi-level dimming is controlled by the passive infrared (PIR) sensor that optimizes performance. The LSL-19 PIR sensor dims down to 500 lumens when the environment is inactive. When there is activity, the sensor increases the output to 100%.

APPLICATION: The LSL-19 is designed to meet recommended illuminance in areas such as local roadways, pathways, parks.

ADVANTAGES

- Integrated Solution
- Environmentally Friendly
- Easy Installation
- $0 energy cost
- IP65
- 140° distribution, 8m (26 ft) coverage area

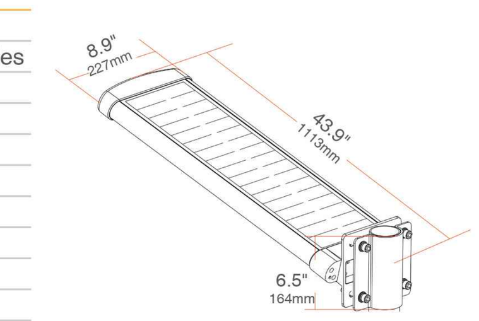
ORDERING INFORMATION

MODEL	POWER	COLOR TEMP	INITIAL LUMENS
LSL-19	20W	6000K	2000

SPECIFICATIONS

Solar Panel	22.7W, 17% efficiency
Battery	Li-ion 3.7V 39Ah / est.1500 life cycles
LED Lamp	20W / 2000 lumens / 50,000 hours
Charge Time	10 hours
Discharge Time	3 nights - estimated 30 hours
Operating Temperature	-30°C~+60°C
Mounting Height*	3m-5m (9-16ft)*
Mounting ID (internal diameter)	60mm (2.36")
Effective Projected Area (EPA)	0.7 ft²
Housing	aluminum alloy and steel
Certificate	CE / ROHS / IP65 /FCC
Weight	27lbs
Warranty	3 years

*The mounting height is an estimate and depends on the application.



2 Beghelli reserves the right to change, without notice, specifications or materials that in our opinion will not alter the function or performance of the product. Technical specifications that appear on www.beghelliusa.com supersede all other versions existing in print or electronic form.

www.beghelliusa.com

NOTES:

1. The solar lamp light is to be attached to the following steel pole product:
   HUBBELL (SSS-18-40-7-TA-GR)
   4" Straight square steel, 18' tall, color = gray
2. The steel pole is to be attached to the concrete base according to the detail on this page or the manufacturers specifications.
3. The solar lamp lighting is to be purchased accordingly or a client/designer approved equivalent.
4. Contractor to install solar lighting per manufacturer's instructions and standards.

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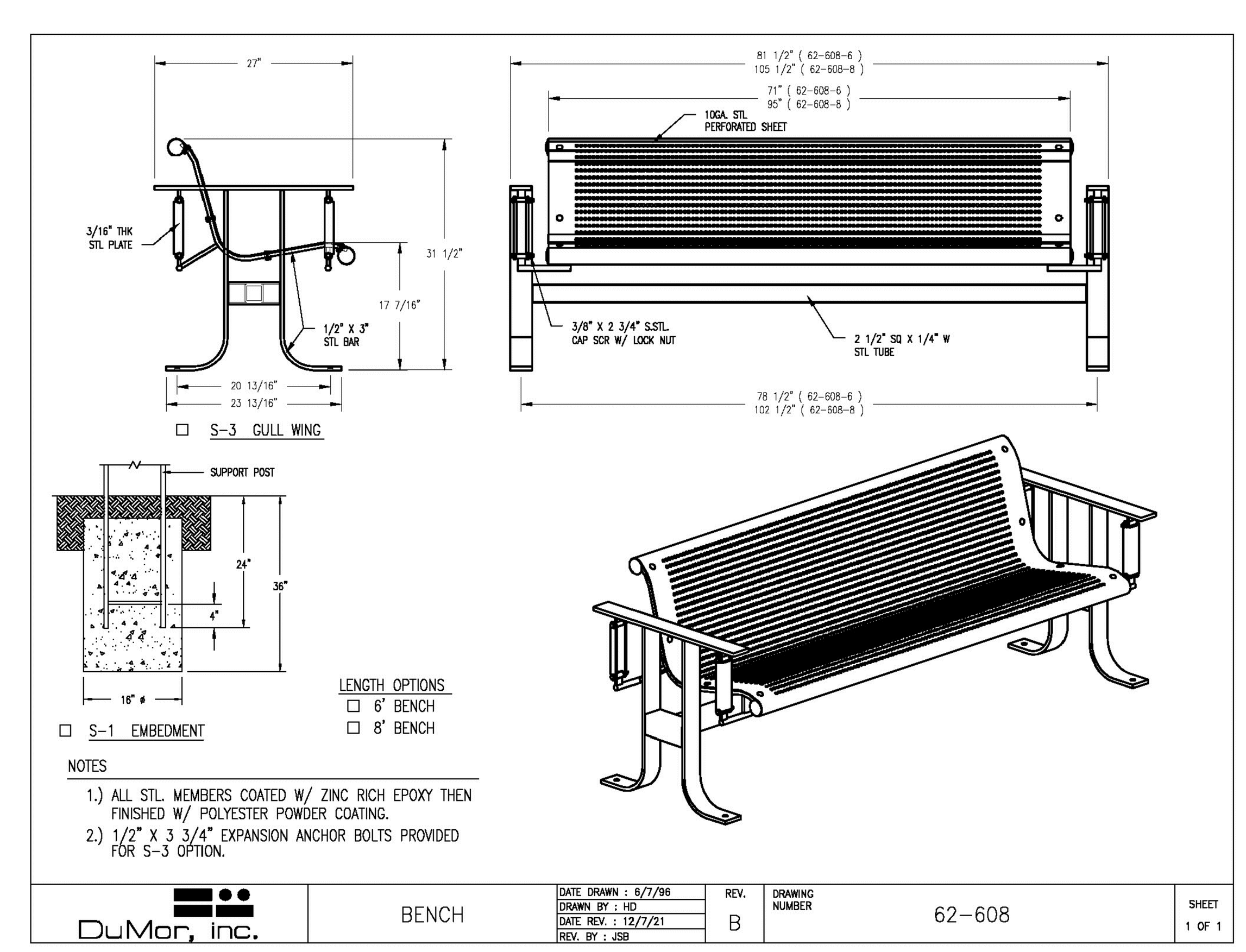
SOLAR LIGHT

NOT TO SCALE



NOTES
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR S-3 OPTION.
LENGTH OPTIONS
6' BENCH
8' BENCH
S-1 EMBEDMENT
S-3 GULL WING
DuMor, inc.
BENCH
DATE DRAWN : 6/7/96
DRAWN BY : HD
DATE REV. : 12/7/21
REV. BY : JSB
REV. B
DRAWING NUMBER 62-608
SHEET 1 OF 1

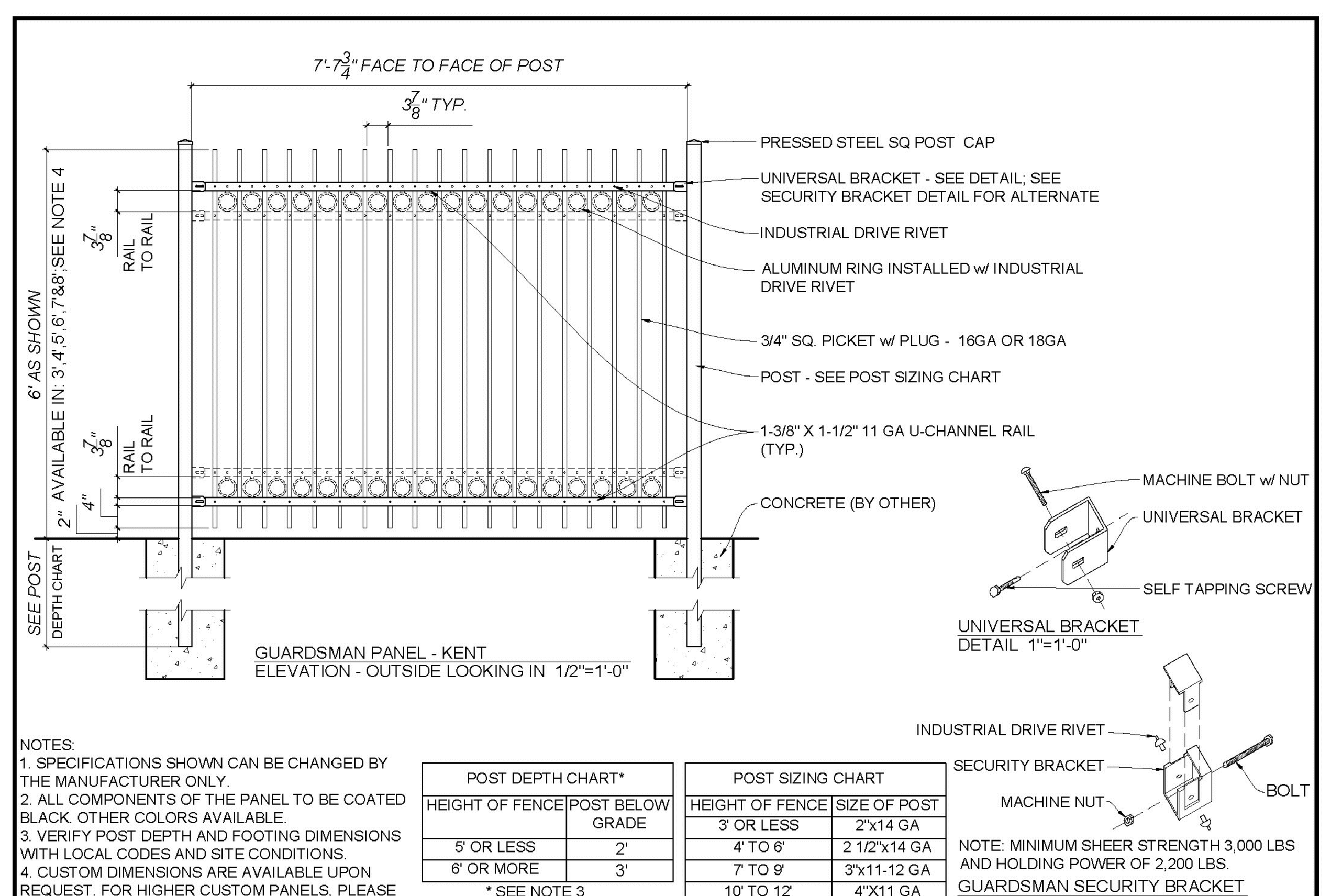
NOTES:

1. This glider bench will be surface mount construction. The bench is to be 6'.
2. The bench to be purchased accordingly or a client/FSA approved equivalent.
3. Contractor to install bench per manufacturer's instructions and standards.

08 / C-504

BENCH (GLIDER)

NOT TO SCALE



7'-7 5/8" FACE TO FACE OF POST
3/8" TYP.
PRESSED STEEL SQ POST CAP
UNIVERSAL BRACKET - SEE DETAIL; SEE SECURITY BRACKET DETAIL FOR ALTERNATE
INDUSTRIAL DRIVE RIVET
ALUMINUM RING INSTALLED w/ INDUSTRIAL DRIVE RIVET
3/4" SQ. PICKET w/ PLUG - 16GA OR 18GA
POST - SEE POST SIZING CHART
1-3/8" X 1-1/2" 11 GA U-CHANNEL RAIL (TYP.)
CONCRETE (BY OTHER)
MACHINE BOLT w/ NUT
UNIVERSAL BRACKET
SELF TAPPING SCREW
UNIVERSAL BRACKET DETAIL 1"=1'-0"
SEE POST DEPTH CHART
GUARDSMAN PANEL - KENT
ELEVATION - OUTSIDE LOOKING IN 1/2"=1'-0"
INDUSTRIAL DRIVE RIVET
SECURITY BRACKET
MACHINE NUT
BOLT
NOTE: MINIMUM SHEER STRENGTH 3,000 LBS AND HOLDING POWER OF 2,200 LBS.
GUARDSMAN SECURITY BRACKET DETAIL 1"=1'-0"

NOTES:
1. SPECIFICATIONS SHOWN CAN BE CHANGED BY THE MANUFACTURER ONLY.
2. ALL COMPONENTS OF THE PANEL TO BE COATED BLACK. OTHER COLORS AVAILABLE.
3. VERIFY POST DEPTH AND FOOTING DIMENSIONS WITH LOCAL CODES AND SITE CONDITIONS.
4. CUSTOM DIMENSIONS ARE AVAILABLE UPON REQUEST. FOR HIGHER CUSTOM PANELS, PLEASE CONTACT THE STATESVILLE PLANT.

POST DEPTH CHART*	
HEIGHT OF FENCE	POST BELOW GRADE
5' OR LESS	2'
6' OR MORE	3'

* SEE NOTE 3

POST SIZING CHART	
HEIGHT OF FENCE	SIZE OF POST
3' OR LESS	2"x14 GA
4' TO 6'	2 1/2"x14 GA
7' TO 9'	3"x11-12 GA
10' TO 12'	4"X11 GA

COPYRIGHT © MERCHANTS METALS ALL RIGHTS RESERVED Merchants Metals® the first name in fence solutions	GUARDSMAN PANEL - KENT 2 TO 4 RAILS	BY: J.R.	DWG. NO. GM PN COM KN 8W x 3-8H
	8' WIDE x 3' TO 8' HIGH (Nom.Dimension)	DATE: 06 NOV 20	
		REV: D.C.	SCALE: AS NOTED

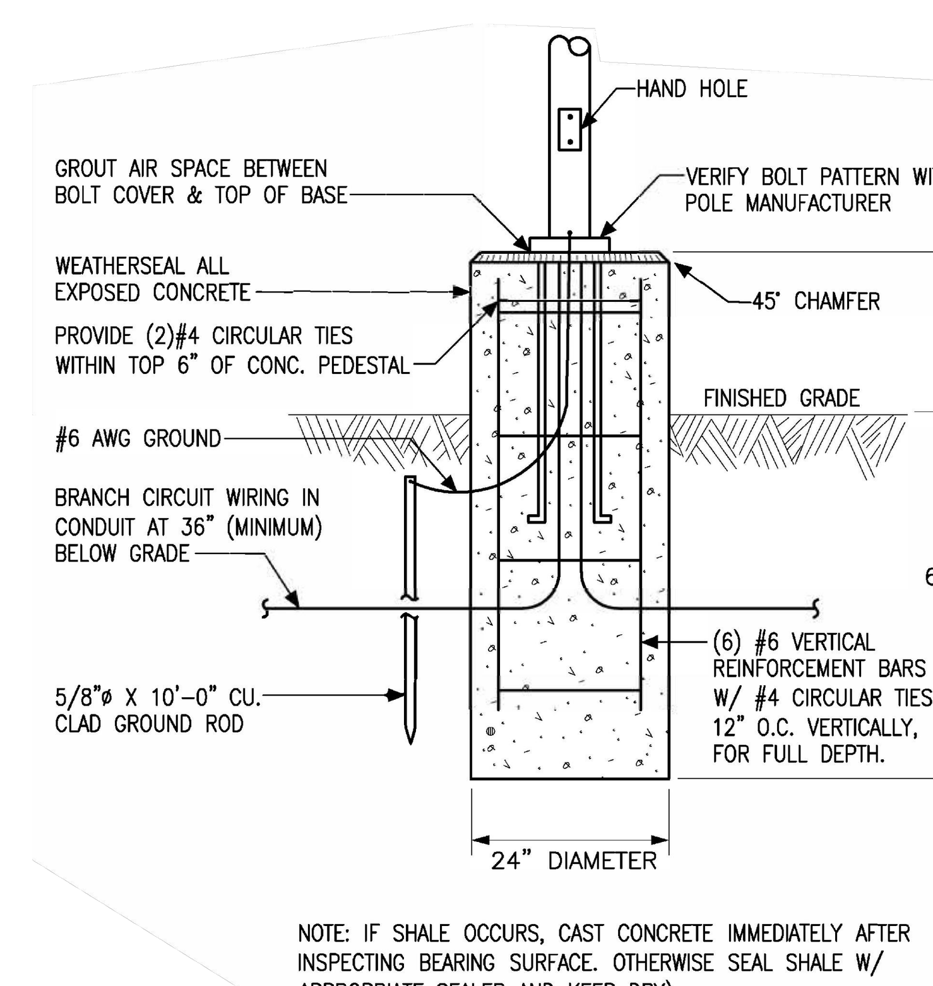
NOTES:

1. This height of the railing is to be 4'.
2. The aluminum railing to be purchased accordingly or a client/FSA approved equivalent.
3. Contractor to install railing per manufacturer's instructions and standards.

05 / C-504

ALUMINUM RAILING

NOT TO SCALE



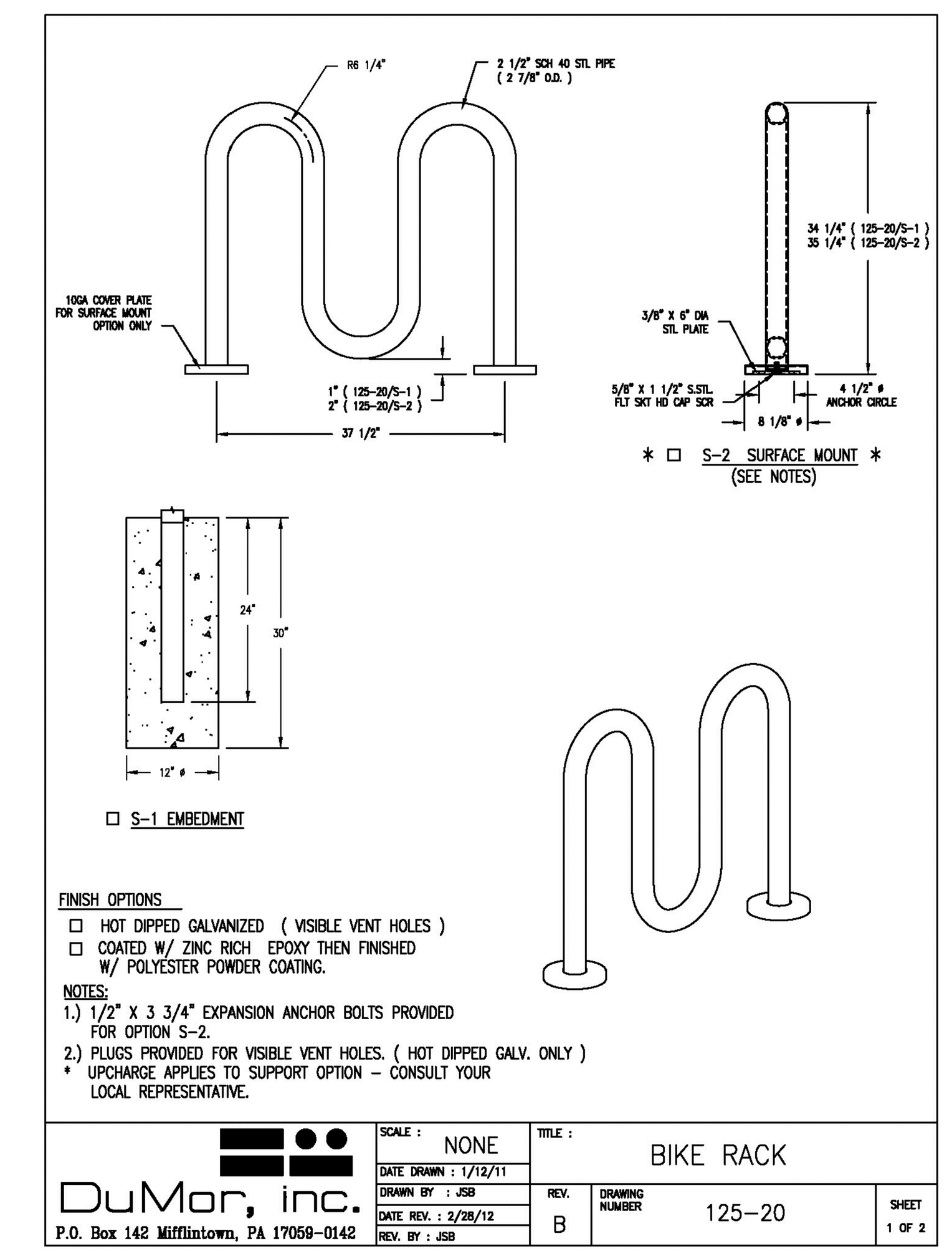
HAND HOLE
GROUT AIR SPACE BETWEEN BOLT COVER & TOP OF BASE
VERIFY BOLT PATTERN WITH POLE MANUFACTURER
WEATHERSEAL ALL EXPOSED CONCRETE
45° CHAMFER
PROVIDE (2)#4 CIRCULAR TIES WITHIN TOP 6" OF CONC. PEDESTAL
30"
FINISHED GRADE
#6 AWG GROUND
BRANCH CIRCUIT WIRING IN CONDUIT AT 36" (MINIMUM) BELOW GRADE
60" MIN.
5/8"ø X 10'-0" CU. CLAD GROUND ROD
(6) #6 VERTICAL REINFORCEMENT BARS W/ #4 CIRCULAR TIES @ 12" O.C. VERTICALLY, FOR FULL DEPTH.
24" DIAMETER

NOTE: IF SHALE OCCURS, CAST CONCRETE IMMEDIATELY AFTER INSPECTING BEARING SURFACE. OTHERWISE SEAL SHALE W/ APPROPRIATE SEALER AND KEEP DRY)

07 / C-504

LIGHT POLE BASE

NOT TO SCALE



R6 1/4"
2 1/2" SCH 40 STL PIPE
S-1 EMBEDMENT
S-2 SURFACE MOUNT (SEE NOTES)
FINISH OPTIONS
HOT DIPPED GALVANIZED (VISIBLE VENT HOLES)
COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
NOTES:
FOR OPTION S-2.
2.) PLUGS PROVIDED FOR VISIBLE VENT HOLES. (HOT DIPPED GALV. ONLY)
* UPCHARGE APPLIES TO SUPPORT OPTION - CONSULT YOUR LOCAL REPRESENTATIVE.
DuMor, inc.
P.O. Box 142 Mifflintown, PA 17059-0142
SCALE : NONE
DATE DRAWN : 1/12/11
DRAWN BY : JSB
DATE REV. : 2/28/12
REV. BY : JSB
TITLE : BIKE RACK
REV. B
DRAWING NUMBER 125-20
SHEET 1 OF 2

NOTES:

1. This bike rack will be surface mount construction.
2. The bike rack to be purchased accordingly or a client/FSA approved equivalent.
3. Contractor to install bike rack per manufacturer's instructions and standards.

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BIKE RACK

NOT TO SCALE

NOT APPROVED FOR CONSTRUCTION

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505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
16 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

MARK: | DESCRIPTION: | DATE:

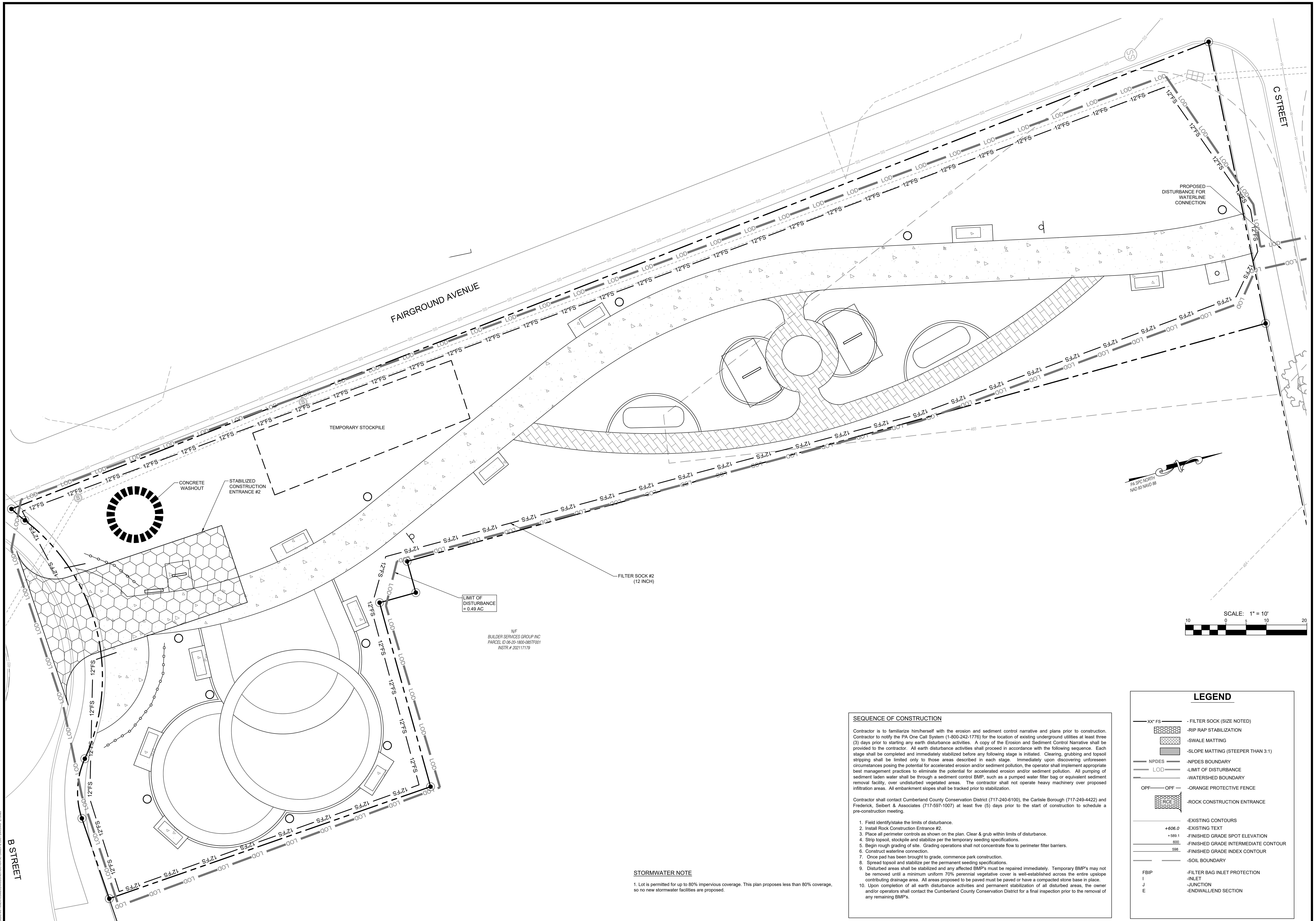
FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET
CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO. 50323	
DWN BY CMC	DATE 2-1-2022
PROJECT MANAGER CMC - cchiampi@fsa-inc.com	
PARCEL ID Multiple Properties	
SCALE NTS	
SHEET TITLE SITE DETAILS	

C-504
SHEET 11 OF 13



SEQUENCE OF CONSTRUCTION

Contractor is to familiarize him/herself with the erosion and sediment control narrative and plans prior to construction. Contractor to notify the PA One Call System (1-800-242-1776) for the location of existing underground utilities at least three (3) days prior to starting any earth disturbance activities. A copy of the Erosion and Sediment Control Narrative shall be provided to the contractor. All earth disturbance activities shall proceed in accordance with the following sequence. Each stage shall be completed and immediately stabilized before any following stage is initiated. Clearing, grubbing and topsoil stripping shall be limited only to those areas described in each stage. Immediately upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate best management practices to eliminate the potential for accelerated erosion and/or sediment pollution. All pumping of sediment laden water shall be through a sediment control BMP, such as a pumped water filter bag or equivalent sediment removal facility, over undisturbed vegetated areas. The contractor shall not operate heavy machinery over proposed infiltration areas. All embankment slopes shall be tracked prior to stabilization.

Contractor shall contact Cumberland County Conservation District (717-240-6100), the Carlisle Borough (717-249-4422) and Frederick, Seibert & Associates (717-597-1007) at least five (5) days prior to the start of construction to schedule a pre-construction meeting.

1. Field identify/stake the limits of disturbance.
2. Install Rock Construction Entrance #2.
3. Place all perimeter controls as shown on the plan. Clear & grub within limits of disturbance.
4. Strip topsoil, stockpile and stabilize per the temporary seeding specifications.
5. Begin rough grading of site. Grading operations shall not concentrate flow to perimeter filter barriers.
6. Construct waterline connection.
7. Once pad has been brought to grade, commence park construction.
8. Spread topsoil and stabilize per the permanent seeding specifications.
9. Disturbed areas shall be stabilized and any affected BMP's must be repaired immediately. Temporary BMP's may not be removed until a minimum uniform 70% perennial vegetative cover is well-established across the entire upslope contributing drainage area. All areas proposed to be paved must be paved or have a compacted stone base in place.
10. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operators shall contact the Cumberland County Conservation District for a final inspection prior to the removal of any remaining BMP's.

STORMWATER NOTE

1. Lot is permitted for up to 80% impervious coverage. This plan proposes less than 80% coverage, so no new stormwater facilities are proposed.

LEGEND

XX" FS	- FILTER SOCK (SIZE NOTED)
	-RIP RAP STABILIZATION
	-SWALE MATTING
	-SLOPE MATTING (STEEPER THAN 3:1)
NPDES	-NPDES BOUNDARY
LOD	-LIMIT OF DISTURBANCE
	-WATERSHED BOUNDARY
OPF — OPF	-ORANGE PROTECTIVE FENCE
RCE	-ROCK CONSTRUCTION ENTRANCE
	-EXISTING CONTOURS
+606.0	-EXISTING TEXT
+589.1	-FINISHED GRADE SPOT ELEVATION
600	-FINISHED GRADE INTERMEDIATE CONTOUR
598	-FINISHED GRADE INDEX CONTOUR
	-SOIL BOUNDARY
FBIP	-FILTER BAG INLET PROTECTION
I	-INLET
J	-JUNCTION
E	-ENDWALL/END SECTION

****A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.****

NOT APPROVED FOR CONSTRUCTION

FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET

CARLISLE BOROUGH

CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

MARK	DESCRIPTION	DATE

FSA
FREDERICK, SEIBERT & ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS • LAND PLANNERS
fsa-inc.com
128 SOUTH POTOMAC STREET HAGERSTOWN, MD 21740 301.791.3650
20 WEST BALTIMORE STREET GREENCASTLE, PA 17225 717.597.1007
505 SOUTH HANOVER STREET CARLISLE, PA 17013 717.701.8111
15 EAST MAIN STREET NEW BLOOMFIELD, PA 17068 717.275.7531

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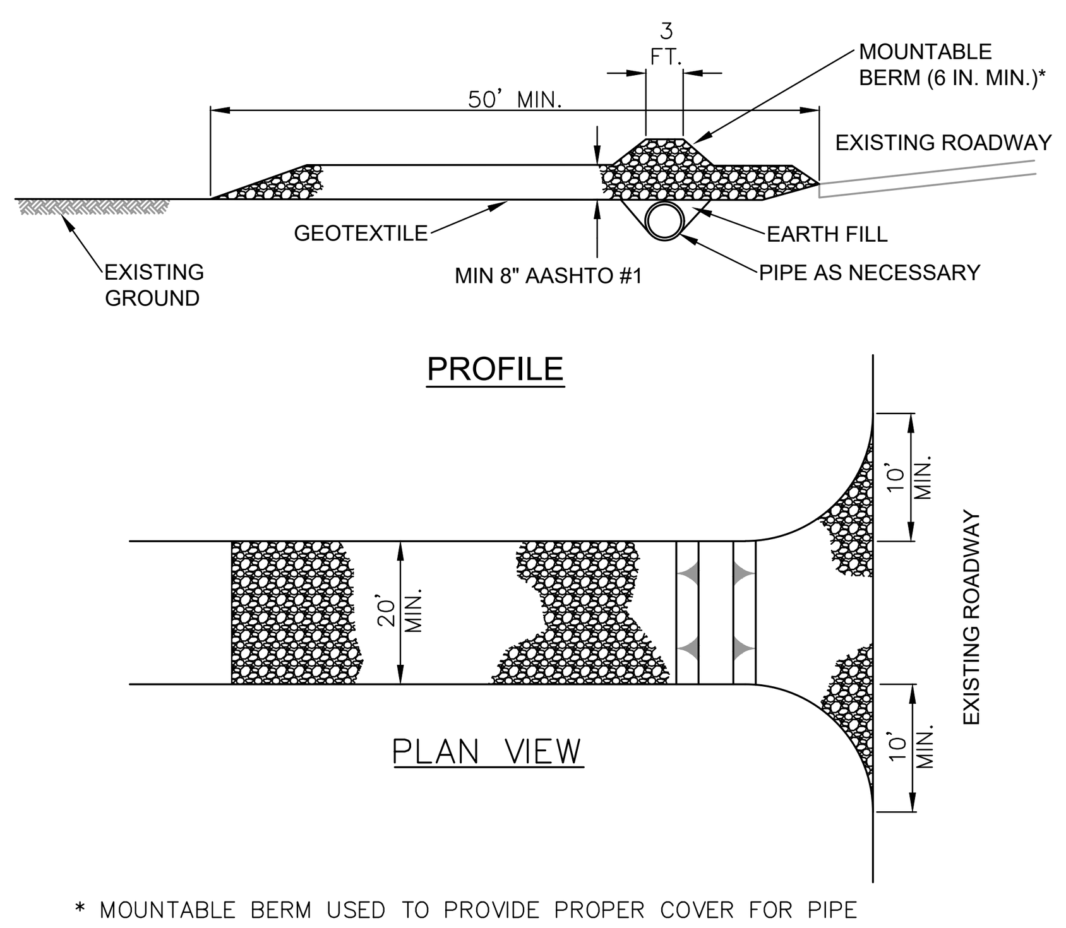
PROJECT NO.	50323
DWN BY	CMC
DATE	2-1-2022
PROJECT MANAGER	CMC - cchiampi@fsa-inc.com
PARCEL ID	Multiple Properties
SCALE	1" = 10'
SHEET TITLE	ESC PLAN

C-105



* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

Remove topsoil prior to installation of rock construction entrance. Extend rock over full width of entrance.

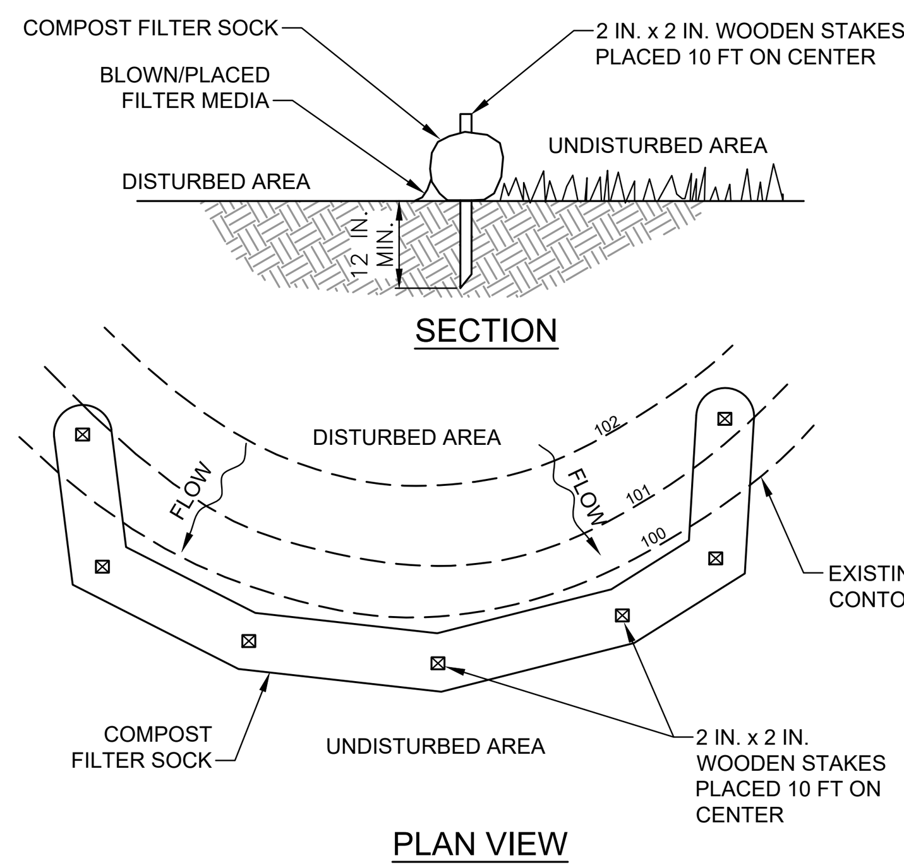
Runoff shall be diverted from roadway to a suitable sediment removal bmp prior to entering rock construction entrance.

Mountable berm shall be installed wherever optional culvert pipe is used and proper pipe cover as specified by manufacturer is not otherwise provided. Pipe shall be sized appropriately for size of ditch being crossed.

Maintenance: Rock construction entrance thickness shall be constantly maintained to the specified dimensions by adding rock. A stockpile shall be maintained on site for this purpose. All sediment deposited on paved roadways shall be removed and returned to the construction site immediately. If excessive amounts of sediment are being deposited on roadway, extend length of rock construction entrance by 50 foot increments until condition is alleviated or install wash rack. Washing the roadway or sweeping the deposits into roadway ditches, sewers, culverts, or other drainage courses is not acceptable.

STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE

NOT TO SCALE



NOTES:

Sock fabric shall meet standards of table 4.1 of the PA DEP erosion control manual. Compost shall meet the standards of table 4.2 of the PA DEP erosion control manual.

Compost filter sock shall be placed at existing level grade. Both ends of the barrier shall be extended at least 8 feet up slope at 45 degrees to the main barrier alignment. Maximum slope length above any barrier shall not exceed that specified for the size of the sock and the slope of its tributary area.

Traffic shall not be permitted to cross compost filter socks.

Accumulated sediment shall be removed when it reaches 1/2 the above ground height of the barrier and disposed in the manner described elsewhere in the plan.

Compost filter socks shall be inspected weekly and after each runoff event. Damaged socks shall be repaired according to manufacturer's specifications or replaced within 24 hours of inspection.

Biodegradable compost filter socks shall be replaced after 6 months; photodegradable socks after 1 year. polypropylene socks shall be replaced according to manufacturer's recommendations.

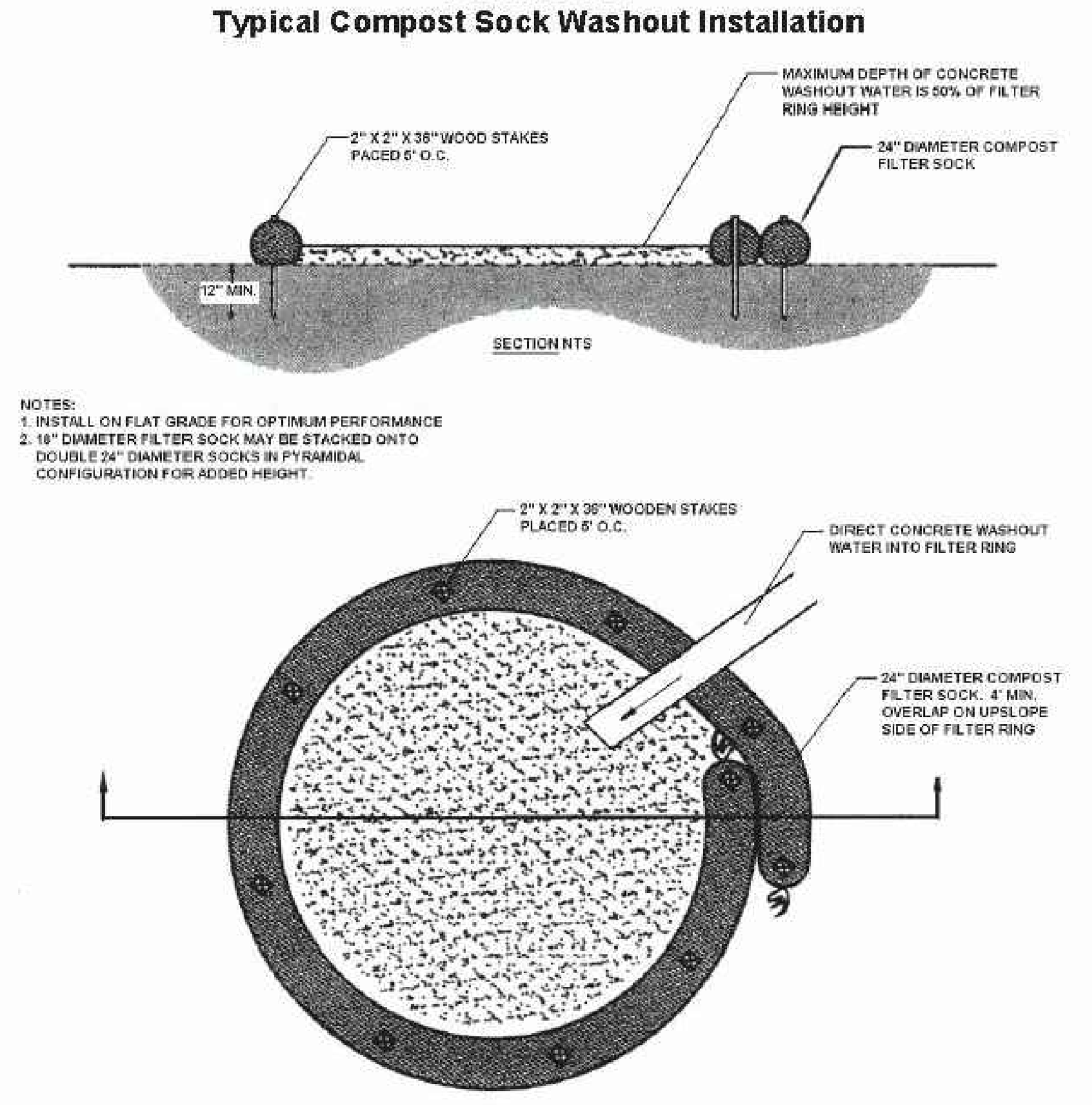
Upon stabilization of the area tributary to the sock, stakes shall be removed. The sock may be left in place and vegetated or removed. In the latter case, the mesh shall be cut open and the mulch spread as a soil supplement.

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK

NOT TO SCALE

Filtrexx

FIGURE 3.18
Typical Compost Sock Washout Installation



NOTES:
1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE
2. 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

A suitable impervious geomembrane shall be placed at the location of the washout prior to installing the socks.
Adapted from Filtrexx

MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT CONTROL FEATURES

Until the site is stabilized, all erosion and sediment control BMPs shall be maintained properly. All temporary control measures and facilities shall be inspected weekly and after each runoff event (Events larger than the .25 measurable storm event). Required repairs shall be made immediately, and shall be made by the site contractor. Disposal of all material cleaned from various sediment control devices shall be placed on the approved soil stockpile, which shall have filter fence installed on the downhill side.

ROCK CONSTRUCTION ENTRANCE
Rock Construction Entrance thickness shall be constantly maintained to the specified dimensions by adding rock. A stockpile shall be maintained on site for this purpose. All sediment deposited on paved roadways shall be removed and returned to the construction site immediately. If excessive amounts of sediment are being deposited on roadway, extend length of rock construction entrance by 50 feet increments until condition is alleviated or install wash rack. Washing the roadway or sweeping the deposits into roadway ditches, sewer, culverts, or other drainage ways is not acceptable.

CONCRETE WASHOUT
All concrete washout facilities should be inspected daily. Damaged or leaking washouts should be deactivated and repaired or replaced immediately. Accumulated materials should be removed when they reach 75% capacity. Plastic liners should be replaced with each cleaning of the washout facility.

COMPOST FILTER SOCK
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 filter sock and disposed in the manner described elsewhere in the plan. Alternatively, rather than create a soil disturbing activity, the Conservation District may call for additional filter sock to be added at areas of high sedimentation, place immediately on top of the existing sediment laden filter sock. Socks shall be inspected weekly and after each runoff event. Damaged socks shall be repaired according to manufacturer's specifications or replaced within 24 hours of inspection. Biodegradable filter sock shall be replaced after 6 months; photodegradable socks after 1 year. Polypropylene socks shall be replaced according to manufacturer's recommendations.
Upon stabilization of the area tributary to the sock, stakes shall be removed. The sock may be left in place and vegetated or removed. In the latter case, the mesh shall be cut open and the mulch spread as a soil supplement.

TOPSOIL APPLICATION

Graded areas should be scarified or otherwise loosened to a depth of 3 to 5 inches to permit bonding of the topsoil to the surface areas and to provide a roughened surface to prevent topsoil from sliding down slope.

Topsoil should be uniformly distributed across the disturbed area to a depth of 4 to 8 inches minimum (2 inches on fill outslopes). Spreading should be done in such a manner that sodding of seeding can proceed with a minimum of additional preparation of tillage. Irregularities in the surface resulting from topsoil placement should be corrected in order to prevent formation of depressions unless such depressions are part of the Post Construction Stormwater Management Plan.

Topsoil should not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet, or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

NPDES PERMIT NOTES:

1. The Permittee and Co-Permittee must ensure that visual site inspections are conducted weekly and after each precipitation event by a qualified person trained and experienced in erosion and sediment control, to ascertain that the BMP's are operational and effective in preventing pollution to the waters of the Commonwealth. A written report of each inspection shall be kept and include: a) summary of site condition, BMP's and compliance b) the date, time and the name of the person conducting the inspection.
2. If BMP's are found to be inoperative or ineffective during an inspection, or any other time, the Permittee and/or Co-Permittee shall immediately contact the District. Documentation should include what steps are being taken to reduce, eliminate and prevent recurrence of the problem.
3. The Permittee and Co-Permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
4. Erosion and sediment control plans must be made available at the site of the construction activity at all times.
5. If fuel or other dangerous chemicals are stored on site then a Preparedness, Prevention and Contingency (PPC) Plan must be developed and kept on site.

NPDES PERMIT EFFLUENT LIMITATIONS, MONITORING AND REPORTING REQUIREMENTS

2. MONITORING AND REPORTING REQUIREMENTS
a. Visual Inspections The permittee and co-permittee must ensure that visual site inspections are conducted bi-weekly, and after each precipitation event by qualified personnel, trained and experienced in erosion and sediment control, to ascertain that the BMPs are operational and effective in preventing pollution to the waters of the Commonwealth. A written report of each inspection shall be kept, and include:
(1) a summary of site conditions, BMP's, and compliance; and
(2) the date, time, and the name of the person conducting the inspection.
b. Noncompliance Reporting Where BMP's are found to be inoperative or ineffective during an inspection, or any other time, the permittee and co-permittee shall immediately contact the reviewing entity, by phone or personal contact, followed by the submission of a written report within 5 days of the initial contact. Noncompliance reports shall include the following information:
(1) Any condition on the project site which may endanger public health, safety, or the environment, or involve incidents which cause or threaten pollution;
(2) the period of noncompliance, including exact dates and times and/or anticipated time when the activity will return to compliance;
(3) steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance; and
(4) the date or schedule of dates, and identifying remedies for correcting noncompliance conditions.
3. RECORD KEEPING
a. Retention of Records The permittee and co-permittee shall retain records of all monitoring information including copies of all monitoring and inspection reports required by this permit, and records of data used to complete the Notice of intent for this permit, for a period of three years from the date of the termination of coverage under this permit.
b. Reporting of Monitoring Reports Monitoring results shall be submitted to the reviewing entity upon request.
PART B STANDARD CONDITIONS
1. MANAGEMENT REQUIREMENTS
b. Duty to Provide Information
(1) The permittee or co-permittee shall furnish to the Department, or the local county conservation district when acting as the reviewing entity, within 30 days of the date of request, any information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or coverage approved under this permit, or to determine compliance with this permit.
(2) The permittee or co-permittee shall furnish, upon request, to the Department, or the local county conservation district when acting as the reviewing entity, copies of records required to be kept by this permit.
(3) When the permittee or co-permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the NOI, PPC Plan, E&S Control Plan, or in any other report to the Department, or the local county conservation district when acting as the reviewing entity, the permittee or co-permittee shall promptly submit or correct such facts or information.
(4) The permittee or co-permittee shall give seven calendar days advance notice to the Department, or the local county conservation district when acting as the reviewing entity, of any planned physical alterations or additions to the permitted facility which could, in any way, substantially affect the quality and/or quantity of stormwater discharged from the activity.
f. Facilities Construction, Operation, and Maintenance
The permittee and co-permittee shall design, build, implement, and at all times operate and maintain BMP's, including PPC Plans, E&S Control Plans, and any other stormwater pollution prevention and management measures.
g. Adverse Impact
The permittee and co-permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
h. Reduction, Loss, or Failure of the BMPs
Upon reduction, loss or failure of the BMPs, the permittee and co-permittee shall take immediate action to restore the BMPs or provide an alternative method of treatment.
2. COMPLIANCE RESPONSIBILITIES
a. Duty to Comply
The permittee and co-permittee must comply with all terms and conditions of this general permit. Any permit noncompliance constitutes a violation of the Pennsylvania Clean Streams Law and the federal Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit or permit renewal.
b. Penalties for Violations of Permit Conditions
The permittee and co-permittee may be subject to criminal and/or civil penalties for violations of the terms and conditions of this general permit under Section 602 and 605 of the Clean Streams Law, 35 P.s. Sections 691.602 and 691.605, and under the Clean Water Act as specified in 40 C.F.R. Sections 122.41 (a)(2) and (3), which are incorporated by reference.
PART C
OTHER CONDITIONS
2. EROSION AND SEDIMENT CONTROL PLANS
a. An Erosion and Sediment Control Plan, must be prepared, developed, and implemented for each activity covered by this permit in accordance with the Department's Chapter 102 Rules and Regulations, and Department guidance. Each plan must be submitted to the Department or local county conservation district when acting as the reviewing entity. E&S Control Plans, BMPs, and revisions thereto, which meet the requirements of Chapter 102, are conditions of this permit and incorporated by reference.
b. Erosion and Sediment Control Plans required under this permit are considered reports that shall be available to the public under Section 607 of the Clean Streams Law, and 25 Pa. Code, Chapter 92 of the Department's regulations. The owner or operator of a facility with stormwater discharges covered by this permit shall make plans available to the public upon request by the public. Erosion and Sediment Control Plans must be made available at the site of the construction activity at all times.
c. The staging of earth disturbance activities and maintenance requirements contained in the E&S Plan must be followed.
3. RECYCLING AND DISPOSAL OF BUILDING MATERIALS AND WASTES
All building materials and wastes must be removed from the site and recycled or disposed in accordance with the Department's Solid Waste Management Regulations at 25 Pa. Code section 260.1 et seq., section 271.1 et seq., and section 287.1 et seq. No building material or wastes or unused building materials shall be buried, dumped, or discharged at the site.
5. PREPAREDNESS, PREVENTION AND CONTINGENCY PLANS
If the potential exists for causing accidental pollution of air, land, or water, or for causing endangerment of public health and safety through accidental release of toxic, hazardous, or other polluting materials, the permittee or co-permittee must develop a Preparedness, Prevention, and Contingency (PPC) Plan. The PPC Plan shall be developed in accordance with Department regulations. The PPC Plan shall identify areas which may include, but are not limited to, waste management areas, raw material storage areas, temporary and permanent spoils storage areas, maintenance areas, and any other areas that may have the potential to cause noncompliance with the terms and conditions of this permit due to the storage, handling, or disposal of any toxic or hazardous substances such as oil, gasoline, pesticides, herbicides, solvents, etc. BMP's shall be developed and implemented for each identified area. The PPC Plan shall be maintained on site at all times and shall be made available for review at the Department's or county conservation districts' request.
6. PRE-CONSTRUCTION CONFERENCES
The permittee or co-permittee shall contact the reviewing entity at least seven days before construction is to begin to determine if a pre-construction conference is required. The permittee, co-permittee and others undertaking the earth disturbance activity must attend a pre-construction conference if requested by the reviewing entity.
7. SPOIL OR BORROW AREA
The Erosion and Sediment Control Plan, shall be prepared, developed and implemented for all spoil and borrow areas, regardless of their location.
8. PHASED PROJECTS Prior to the commencement of earth disturbance activities for additional phases or portions of the project, the permittee or co-permittee shall submit an Erosion and Sediment Control Plan for each additional phase or portion of the project for review and authorization by the reviewing entity. Coverage under this permit is only granted for those phases or portions of a project for which an Erosion and Sediment Control Plan has been submitted to and authorized by the reviewing entity.
10. WETLAND PROTECTION If hydric soils are present, a wetland determination must be conducted in accordance with Department procedures. All wetlands identified must be included on the E&S Control Plan.

IMPORT/EXPORT FILL ENVIRONMENTAL DUE DILIGENCE

Any fill material required for the site or excess material to be wasted from the site is required to be hauled from or to, as applicable, a site with an approved soil erosion and sediment control plan.

The Owner/Developer and/or Operator is responsible to perform environmental due diligence and determine that all fill imported to the site or exported from the site meets the D.E.P. definition of clean fill.

Clean Fill: Uncontaminated, non-water soluble, non-decomposable, inert, solid material. The term includes soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is separate from other waste and is recognizable as such. The term does not include materials placed in or on the waters of the Commonwealth unless otherwise authorized. (the term "used asphalt" does not include milled asphalt or asphalt that has been processed for re-use.)

Environmental due diligence: Investigative techniques, including, but not limited to visual property inspections, electronic data base searches, review of property ownership, review of property use history, Sanborn maps, environmental questionnaires, transaction screens, analytical testing, environmental assessments or audits. Analytical testing is not a required part of due diligence unless visual inspection and/or review of the past land use of the property indicates that the fill may have been subjected to a spill or release of regulated substance.

RECYCLING & DISPOSAL OF MATERIALS

Wastes generated during the construction of this project shall be recycled if at all possible. This shall include the erosion control bmps. Any materials that cannot be recycled or reused shall be disposed of at a NPDES permitted site. If soil and/or rock disposal or borrow areas are required, approved erosion and sedimentation controls shall be implemented at these areas that meet chapter 102 and/or other state and federal regulations.

All building materials and wastes must be removed from the site and recycled or disposed in accordance with the department's solid waste management regulations at 25 pa. code 260.1 et seq. 271.1, and 287.1 et seq. No building materials or waste unused building materials shall be burned, buried, dumped or discharged at the site.

ANTICIPATED CONSTRUCTION WASTES

Anticipated construction wastes requiring recycling or disposal are:
1. Building material waste.
2. Concrete wash water.
3. Construction worker's trash.

STANDARD E&S PLAN NOTES

1. A copy of the stamped approved drawings signed and dated by the Cumberland County Conservation District must be available at the project site at all times.
2. At least 7 days prior to starting any earth disturbance activities (including clearing and grubbing), the owner and/or operator shall invite all contractors, the landowner, appropriate municipal officials, the E&S Plan preparer, the post construction stormwater management plan preparer, and a representative from the Cumberland County Conservation District to an on-site preconstruction meeting.
3. At least 3 days prior to starting any earth disturbance activities, or expanding into an area previously unmarked, the Pennsylvania One Call System Inc. shall be notified at 1-800-242-1776 for the location of existing underground utilities.
4. All earth disturbance activities shall proceed in accordance with the sequence provided on the plan drawings. Deviation from that sequence must be approved in writing from the Cumberland County Conservation District or by DEP prior to implementation.
5. Clearing, grubbing, and topsoil stripping shall be limited to those areas described in each stage of the construction sequence. General site clearing, grubbing and topsoil stripping may not commence in any stage or phase of the project until the E&S BMPs specified by the Construction Sequence for that stage or phase has been installed and are functioning as described in this document.
6. At no time shall construction vehicles be allowed to enter areas outside the limit of disturbance boundaries shown on the plan maps. These areas must be clearly marked and fenced off before clearing and grubbing operations begin.
7. Stockpile heights must not exceed 35 feet. Stockpile slopes must be 2H:1V or flatter.
8. Immediately upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate BMPs to minimize the potential for erosion and sediment pollution and notify the Cumberland County Conservation District and/or the regional office of DEP.
9. All building materials and wastes must be removed from the site and recycled or disposed of in accordance with the Department's Solid Waste Management Regulations at 25 Pa. Code Chapter 260, §§260.1 et seq., 271.1, and 287.1 et. seq. No building materials or wastes or unused building materials shall be burned, buried, dumped, or discharged at the site.
10. All off-site waste and borrow areas must have an E&S Plan approved by the Cumberland County Conservation District or DEP fully implemented prior to being activated.
11. The contractor is responsible for ensuring that any material brought on site is Clean Fill. Form FP-001 must be retained by the property owner for any fill material affected by a spill or release of a regulated substance but qualifying as Clean Fill due to analytical testing.
12. All pumping of water from any work area shall be done according to the procedure described in this plan, over undisturbed vegetated areas.
13. Vehicles and equipment may neither enter directly nor exit directly from Lots onto Public Streets except where shown.
14. Until the site is stabilized, all E&S BMPs must be maintained properly. Maintenance must include inspections of all E&S BMPs after each runoff event and on a weekly basis. All preventative and remedial maintenance work, including clean out, repair, replacement, re-grading, reseeding, re-mulching and re-netting must be performed immediately. If E&S BMPs fail to perform as expected, replacement BMPs, or modifications of those installed will be required.
15. A written report showing dates that E&S BMPs were inspected as well as any deficiencies found and the date they were corrected shall be maintained on the site and be made available to regulatory agency officials at the time of inspection.
16. Sediment tracked onto any public roadway or sidewalk shall be returned to the construction site by the end of each work day and disposed in the manner described in this plan. In no case shall the sediment be washed, shoveled, or swept into any roadside ditch, storm sewer, or surface water.
17. All sediment removed from BMPs shall be disposed of in the manner described on the plan drawings.
18. 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 4 inches of topsoil in place prior to seeding and mulching. Fill outslopes shall have a minimum of 2 inches of topsoil.
19. All fills shall be compacted as required to reduce erosion, slippage, settlement, subsidence or other related problems. Fill intended to support buildings, structures and conduits, etc. shall be compacted in accordance with local requirements or codes.
20. All fills shall be placed in compacted layers not to exceed 9 inches in thickness.
21. Fill materials shall be free of frozen particles, brush, roots, sod, or other foreign or objectionable materials that would interfere with or prevent construction of satisfactory fills.
22. Frozen materials or soft, mucky, or highly compressible materials shall not be incorporated into fills.
23. Fill shall not be placed on saturated or frozen surfaces.
24. Seeps or springs encountered during construction shall be handled in accordance with the standard and specification for subsurface drain or other approved method.
25. All graded areas shall be permanently stabilized immediately upon reaching finished grade. Cut slopes in competent bedrock and rock fills need not be vegetated.
26. Immediately after earth disturbance activities cease in any area or subarea of the project, the operator shall stabilize all disturbed areas. During non-germinating months, mulch or protective blanketing shall be applied as described in the plan. Areas not at finished grade, which will be reactivated within 1 year, may be stabilized in accordance with the temporary stabilization specifications. Those areas which will not be reactivated within 1 year shall be stabilized in accordance with the permanent stabilization specifications.
27. Permanent stabilization is defined as a minimum uniform, perennial 70% vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated erosion. Cut and fill slopes shall be capable of resisting failure due to slumping, sliding, or other movements.
28. E&S BMPs must remain functional as such until all areas tributary to them are permanently stabilized or until they are replaced by another BMP approved by the Cumberland County Conservation District or DEP.
29. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operator shall contact the Cumberland County Conservation District for an inspection prior to removal/conversion of the E&S BMPs.
30. After final site stabilization has been achieved, temporary E&S BMPs must be removed or converted to permanent post construction stormwater management BMPs. Areas disturbed during removal or conversion of the BMPs must be stabilized immediately. In order to ensure rapid revegetation of disturbed areas, such removal/conversions should be done only during the germinating season.
31. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operator shall contact the Cumberland County Conservation District to schedule a final inspection.
32. Failure to correctly install E&S BMPs, failure to prevent sediment-laden runoff from leaving the construction site, or failure to take immediate corrective action to resolve failure of E&S BMPs may result in administrative, civil, and/or criminal penalties being instituted by the Pennsylvania Department of Environmental Protection as defined in Section 602 of the Pennsylvania Clean Streams Law. The Clean Streams Law provides for up to $10,000 per day in civil penalties, up to $10,000 in summary criminal penalties, and up to $25,000 in misdemeanor criminal penalties for each violation.

SEEDING NOTES

1. TEMPORARY SEEDING (TEMPORARY STABILIZATION)
Seed: Annual Rye 40 lbs/acre
Fertilizer: 10-10-10 @ 500 lbs/acre
Mulch: Straw 3 tons/acre. (Straw and hay mulch should be anchored immediately after application to prevent being windblown. A tractor-drawn implement may be used to "crimp" the straw or hay into the soil. This method is limited to slopes no steeper than 3:1. The machinery should be operated on the contour. Note: Crimping of hay or straw by running over it with tracked machinery is not recommended.
Lime: One ton/acre

All diversions, channels, sediment traps and stockpiles shall be stabilized immediately. Any disturbed area on which activity has ceased and which will remain exposed shall be stabilized immediately. During non-germinating periods, mulch shall be applied at the recommended rates. Disturbed areas which are not at finished grade and which will be redisturbed within 1 year may be stabilized in accordance with the Temporary Seeding Specifications. Disturbed areas which are either at finished grade or will not be redisturbed within 1 year shall be stabilized in accordance with the Permanent Seeding Specifications.

2. PERMANENT SEEDING (PERMANENT STABILIZATION)
Nurse Crop: Annual Ryegrass 10 lbs/acre (PLS)
Seed (Mix 2): Kentucky bluegrass 25 lbs/acre, plus Redtop 3 lbs/acre or Perennial ryegrass 15 lbs/acre (PLS)
Critical areas (Mix 3): Birdsfoot Trefoil 6 lbs/acre, plus Tall Fescue 30 lbs/acre (PLS)
Lime: Six tons/acre
Fertilizer: Soil tests are recommended. In the absence of a soil test apply at the rate of 10-10-20 @ 1000 lbs/acre
Mulch: Straw 3 Tons/acre
Asphalt: SS-1 or Equivalent 150 Gal./acre

3. SEED DATES
March 15th - May 15th
August 15th - October 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 2:1 or greater shall be stabilized using crown vetch, as per the requirements of standard and specifications for critical areas stabilization (with ground covers, vines, shrub, and trees).

Mulch Type	Application Rate (Min.)			Notes
	Per Acre	Per 1,000 sq. ft.	Per 1,000 sq. yd.	
Straw	3 Tons	140 lb.	1,240 lb.	Either wheat or oat straw, free of weeds, not chopped or finely broken
Hay	3 Tons	140 lb.	1,240 lb.	Timothy, mixed clover and timothy or other native forage grasses
Wood Cellulose	1,500 lb.	35 lb.	310 lb.	Do not use alone in winter, during hot and dry weather or on steep slopes (>3:1)
Wood	1,000 lb. Cellulose	25 lb.	210 lb.	When used over straw or hay
Wood Chips	4-6 Tons	185-275 lb.	1,650-2,500 lb.	May prevent germination of grasses and legumes

Straw and hay mulch should be anchored immediately after application to prevent being windblown. A tractor-drawn implement may be used to "crimp" the straw or hay into the soil. This method is limited to slopes no steeper than 3:1. The machinery should be operated on the contour. (Note: Crimping of hay or straw by running over it with tracked machinery is not recommended.)

Tacking Notes:
Straw and hay mulch should be anchored immediately after application to prevent being windblown. A tractor-drawn implement may be used to "crimp" the straw or hay into the soil. This method is limited to slopes no steeper than 3:1. The machinery should be operated on the contour. (Note: Crimping of hay or straw by running over it with tracked machinery is not recommended.)

Polymeric and gum tackifiers mixed and applied according to manufacturer's recommendations may be used to tack mulch.

Synthetic binders, or chemical binders, may be used as recommended by the manufacture to anchor mulch provided sufficeint documentation is provided to show they are non-toxic to native plant and animal species.

FSA
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MARK: | DESCRIPTION: | DATE:

NOT APPROVED FOR CONSTRUCTION

FAIRGROUND AVENUE LINEAR PARK

SITUATED ALONG THE EASTERN SIDE OF FAIRGROUND AVENUE NORTH OF THE INTERSECTION OF FAIRGROUND AVENUE AND N. HANOVER STREET
CARLISLE BOROUGH
CUMBERLAND COUNTY, PENNSYLVANIA

Carlisle Borough, c/o Andrea Crouse
53 West South Street, Carlisle, PA 17013
717-249-4422

PROJECT NO. 50323
DWN BY CMC | DATE 2-1-2022
PROJECT MANAGER CMC - cchiampi@fsa-inc.com
PARCEL ID Multiple Properties
SCALE NTS
SHEET TITLE
ESC NOTES & DETAILS

C-505

****A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.****