Attachment A

Contract Drawings



VICINITY MAP



LOCATION MAP

FRANCIS J. MYERS **RECREATION CENTER** SITE AND BUILDING IMPROVEMENTS **CLIENT / OWNER**

REBUILD - CITY OF PHILADELPHIA

5800 CHESTER AVE, PHILADELPHIA, PA 19143 ISSUANCE

ADDRES

ISSUED FOR CONSTRUCTION 07 APRIL 2023

OWNER CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102
ARCHITECT DIGSAU 340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808 www.digsau.com
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www.davidmason.com v 215.375.6059 <u>LANDSCAPE ARCHITECT</u> Ground Reconsidered 230 South Broad Street Suite 604 Philadelphia, PA 19102
v 215.790.0727 www.groundreconsidered.com <u>MEP/FP ENGINEER</u> dbHMS 1500 Walnut St Suite 1910
Philadelphia, PA 19102 v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice 600 Chestnut Street Suite 772
Philadelphia, PA 19106 v 215.238.1644 <u>COST ESTIMATING</u> Dharam Consulting 1719 Chestnut Street Suite 300
Philadelphia, PA 19103 v 610.554.6560 <u>ENVIRONMENTAL CONSULTANT</u> Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801
v 302.656.9600 www.brightfields.com <u>LEED CONSULTANT</u> DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654
v 312.915.0557 www.databasedplus.com
DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING
IMPROVEMENTS 5800 Chester Ave Philadelphia, PA 19143
PROJECT #: 2020 SCALE: 20" X 42"
DRAWN:CHECKED:BM / MGDATE:4/7/2023
SHEET NAME: COVER SHEET
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

DIGSAU

CLIENT REBUILD 1515 Arch Street

Mezzanine Level Philadelphia, PA 19104

L2.1 L3.1 L3.2 L4.0 L5.1 L5.2 L5.3 L5.4 A310 A311 A312 A410 A411 A420 A421 A422 A423 A510 A511 A512 A513 A515 A600 A601 A610 A620 A630 A631

A632 A633 A640 A641 A650 A700 A710 A711 A712 A720 A721 A722 A800 A801 A802 A804 A805 A806 A807 A810 A811 A812 A830 A831 A832 A900 A920

SHEET NO. SHEET NAME 1 - GENERAL G001 COVER SHEET G002 SHEET INDEX G100 **BUILDING DATA & CODE SUMMARY** G101 LIFE SAFETY PLANS 2 - CIVIL C100 EXISTING CONDITION PLAN C102 DEMOLITION PLAN C200 EROSION AND SEDIMENT CONTROL PLAN C251 EROSION AND SEDIMENT NOTES C252 EROSION AND SEDIMENT NOTES C300 SITE PLAN C351 SITE DETAILS C352 SITE DETAILS C400 UTILITY PLAN C451 UTILITY NOTES C452 UTILITY DETAILS C500 GRADING PLAN C600 CONCEPTUAL POST CONSTRUCTION STORMWATER MANAGEMENT PLAN C651 POST CONSTRUCTION STORMWATER MANAGEMENT NOTES C652 POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 1 C653 POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 2 C654 POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 3 C655 POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 4 C656 POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 5 3 - LANDSCAPE L1.0 TREE PRESERVATION PLAN L2.0 MATERIALS PLAN MATERIALS PLAN ENLARGEMENT L3.0 LAYOUT PLAN LAYOUT PLAN ENLARGEMENT SAFETY SURFACE LAYOUT PLAN PLANTING PLAN L5.0 SITE DETAILS SITE DETAILS SITE DETAILS SITE DETAILS SITE DETAILS L5.5 PLANTING DETAILS 4 - STRUCTURAL S001 GENERAL NOTES S002 GENERAL NOTES S011 TYPICAL FOUNDATION DETAILS S012 TYPICAL FOUNDATION DETAILS S013 TYPICAL FOUNDATION DETAILS S021 TYPICAL MASONRY DETAILS S022 TYPICAL MASONRY DETAILS S031 TYPICAL STEEL DETAILS S032 TYPICAL STEEL DETAILS S110 OVERALL LEVEL B FOUNDATION PLAN S111A FRAMING PLAN - LEVEL 1 RENOVATION S111B FOUNDATION PLAN - LEVEL 1 ADDITION S112A FRAMING PLAN - LEVEL 2 RENOVATION S112B FRAMING PLAN - CONNECTOR ROOF ADDITION S113A FRAMING PLAN - LEVEL 3 RENOVATION S113B FRAMING PLAN - GYM ROOF ADDITION S114 EXISTING ROOF FRAMING PLAN COLUMN SCHEDULE, BASE PLATES & FRAME ELEVATIONS S201 S202 CONCRETE SCHEDULES S300 SECTIONS - BASEMENT RENOVATION S301 SECTIONS - LEVEL 1 RENOVATION S302 SECTIONS - ADDITION FOUNDATION S303 SECTIONS - LEVEL 2 & LEVEL 3 RENOVATION S304 SECTIONS - CONNECTOR ROOF ADDITION S305 SECTIONS - GYM ROOF ADDITION 5 - ARCHITECTURAL A001 ARCHITECTURAL ABBREVIATIONS & SYMBOLS A100 ARCHITECTURAL SITE PLAN AC100 ARCHITECTURAL CONTROL PLAN - LEVEL 1 ADDITION AD120 DEMOLITION PLAN - BASEMENT AD121 DEMOLITION PLAN - LEVEL 1 AD122 **DEMOLITION PLAN - LEVEL 2** AD123 DEMOLITION PLAN - LEVEL 3 AD300 DEMOLITION ELEVATIONS AD301 DEMOLITION ELEVATIONS A110 FLOOR PLAN - BASEMENT RENOVATION A111A FLOOR PLAN - LEVEL 1 RENOVATION A111B FLOOR PLAN - LEVEL 1 ADDITION A112 FLOOR PLAN - LEVEL 2 RENOVATION A113 FLOOR PLAN - LEVEL 3 RENOVATION A114A **ROOF PLAN - RENOVATION** A114B **ROOF PLAN - ADDITION** A210 **REFLECTED CEILING PLAN - BASEMENT RENOVATION** A211A REFLECTED CEILING PLAN - LEVEL 1 RENOVATION A211B REFLECTED CEILING PLAN - LEVEL 1 ADDITION **REFLECTED CEILING PLAN - LEVEL 2 RENOVATION** A212 A213

REFLECTED CEILING PLAN - LEVEL 3 RENOVATION BUILDING ELEVATIONS - RENOVATION BUILDING ELEVATIONS - RENOVATION BUILDING ELEVATIONS - ADDITION BUILDING SECTIONS BUILDING SECTIONS EXTERIOR WALL SECTIONS EXTERIOR WALL SECTIONS EXTERIOR WALL SECTIONS EXTERIOR WALL SECTIONS **STAIR 1 - PLANS & SECTIONS STAIR 2 - PLANS & SECTIONS** LOBBY STAIRS AND HANDRAILS STAIR DETAILS **ELEVATOR PLANS, SECTION & DETAILS** EXTERIOR ENVELOPE SYSTEM ASSEMBLIES EXTERIOR ENVELOPE SYSTEM ASSEMBLIES EXTERIOR OPENINGS EXTERIOR PLAN DETAILS EXTERIOR DETAILS EXTERIOR DETAILS EXTERIOR DETAILS EXTERIOR DETAILS ROOF DETAILS ROOF DETAILS EXTERIOR DETAILS - MASONRY RESTORATION ENLARGED FLOOR PLAN - LOBBY INTERIOR ELEVATIONS INTERIOR ELEVATIONS INTERIOR ELEVATIONS **INTERIOR ELEVATIONS - LOBBY INTERIOR ELEVATIONS - GYM INTERIOR ELEVATIONS - GYM PARTITION SCHEDULE & DETAILS** DOOR & HARDWARE SCHEDULES FINISH SCHEDULES PARTITION DETAILS - TYP HEAD PARTITION DETAILS - TYP MISC. PARTITION DETAILS - TYP SHAFTWALL PARTITION DETAILS - TYP CMU INTERIOR DETAILS - TYP BASE AND TRANSITIONS INTERIOR DETAILS INTERIOR DETAILS MILLWORK DETAILS MILLWORK DETAILS MILLWORK DETAILS FINISH PLANS **BUILDING SIGNAGE**

SHEET NO. SHEET NAME

6 - MECHAN	IICAL
M000	MECHANICAL SYMBOLS, NOTES & ABBREVIATIONS
MD110A	BASEMENT RENOVATION MECH DUCTWORK DEMO PLAN
MD111A	LEVEL 1 RENOVATION - MECH DUCTWORK DEMO PLAN
MD112A	LEVEL 2 RENOVATION - MECH DUCTWORK DEMO PLAN
M110	BASEMENT - MECHANICAL DUCTWORK PLAN
M111A	LEVEL 1 RENOVATION - MECHANICAL DUCTWORK PLAN
M111B	LEVEL 1 ADDITION - MECHANICAL DUCTWORK PLAN
M112A	LEVEL 2 RENOVATION - MECHANICAL DUCTWORK PLAN
M113A	LEVEL 3 RENOVATION - MECHANICAL DUCTWORK PLAN
M114A	ROOF RENOVATION MECHANICAL DUCTWORK PLAN
M210	BASEMENT - MECHANICAL PIPING PLAN
M211A	LEVEL 1 RENOVATION - MECHANICAL PIPING PLAN
M211B	LEVEL 1 ADDITION - MECHANICAL PIPING PLAN
M212A	LEVEL 2 RENOVATION - MECHANICAL PIPING PLAN
M213A	LEVEL 3 RENOVATION - MECHANICAL PIPING PLAN
M300	MECHANICAL SECTIONS AND VIEWS
M410	MECHANICAL RISER DIAGRAMS - VRF PIPING DIAGRAM
M500	MECHANICAL SCHEDULES
M600	MECHANICAL DETAILS
M601	MECHANICAL DETAILS
M602	MECHANICAL DETAILS
M603	MECHANICAL DETAILS
M604	MECHANICAL DETAILS
M610	ENLARGED AHU DETAILS
M700	BAS SYMBOLS, NOTES & ABBREVIATIONS
M701	BAS NETWORK RISER DIAGRAM
M702	BAS VRF NETWORK SCHEMATIC
M703	BAS DOAS CONTROLS SCHEMATICS
M704	BAS RTU CONTROLS SCHEMATICS
M705	BAS TERMINAL CONTROLS SCHEMATIC
M706	BAS MISC CONTROLS SCHEMATIC
M707	BAS INSTALLATION DETAILS
7 - ELECTRI	CAL
E001	ELECTRICAL SYMBOLS, NOTES & ABBREVIATIONS
F 400	

E100	ELECTRICAL SITE PLAN
ED110	BASEMENT - ELECTRICAL DEMOLITION PLAN
ED111	LEVEL 1 - ELECTRICAL DEMOLITION PLAN
ED112	LEVEL 2 - ELECTRICAL DEMOLITION PLAN
ED113	LEVEL 3 - ELECTRICAL DEMOLITION PLAN
E110	BASEMENT - ELECTRICAL POWER PLAN
E111A	LEVEL 1 RENOVATION - ELECTRICAL POWER PLAN
E111B	LEVEL 1 ADDITION - ELECTRICAL POWER PLAN
E112A	LEVEL 2 RENOVATION - ELECTRICAL POWER PLAN
E113A	LEVEL 3 RENOVATION - ELECTRICAL POWER PLAN
E210	BASEMENT - LIGHTING PLAN
E211A	LEVEL 1 RENOVATION - LIGHTING PLAN
E211B	LEVEL 1 ADDITION - LIGHTING PLAN
E212A	LEVEL 2 RENOVATION - LIGHTING PLAN
E213A	LEVEL 3 RENOVATION - LIGHTING PLAN
E300	ENLARGED ELECTRICAL PLANS
E400	ELECTRICAL RISER DIAGRAM
E410	FIRE ALARM & GROUNDING RISER DIAGRAM
E500	ELECTRICAL SCHEDULES - POWERED EQUIPMENT
E510	ELECTRICAL SCHEDULES
E520	LIGHTING SCHEDULES
E521	LIGHTING CONTROL SCHEDULES
E522	LIGHTING CONTROL SCHEDULES
E600	ELECTRICAL DETAILS
E601	ELECTRICAL DETAILS

8 - PLUMBING			
P000	PLUMBING SYMBOLS, NOTES & ABBREVIATIONS		
PD200	BASEMENT - PLUMBING DEMOLITION PLAN		
PD220	LEVEL 1 RENOVATION - PLUMBING DEMOLITION PLAN		
PD222	LEVEL 2 RENOVATION - PLUMBING DEMOLITION PLAN		
PD223	LEVEL 3 RENOVATION - PLUMBING DEMOLITION PLAN		
P100A	UNDERGROUND RENOVATION - PLUMBING PLAN		
P100B	UNDERGROUND ADDITION - PLUMBING PLAN		
P210A	BASEMENT RENOVATION - PLUMBING PLAN		
P211A	LEVEL 1 RENOVATION - PLUMBING PLAN		
P211B	LEVEL 1 ADDITION - PLUMBING PLAN		
P212A	LEVEL 2 RENOVATION - PLUMBING PLAN		
P212B	LEVEL 2 ADDITION - PLUMBING PLAN		
P213	LEVEL 3 RENOVATION - PLUMBING PLAN		
P214	ROOF RENOVATION - PLUMBING PLAN		
P300	ENLARGED PLUMBING PLANS		
P400	PLUMBING RISER DIAGRAMS - SUPPLY		
P410	PLUMBING RISER DIAGRAMS - WASTE		
P500	PLUMBING SCHEDULES		
P600	PLUMBING DETAILS		

9 - FIRE PR	
FP000	FIRE PROTECTION SYMBOLS, NOTES & ABBREVIATIONS
FPD110	BASEMENT - FIRE PROTECTION DEMO RCP
FPD111A	LEVEL 1 RENOVATION - FIRE PROTECTION DEMO RCP
FPD112A	LEVEL 2 RENOVATION - FIRE PROTECTION DEMO RCP
FPD113A	LEVEL 3 RENOVATION - FIRE PROTECTION DEMO RCP
FP110	BASEMENT - FIRE PROTECTION PLAN
FP111A	LEVEL 1 RENOVATION - FIRE PROTECTION PLAN
FP111B	LEVEL 1 ADDITION - FIRE PROTECTION PLAN
FP112A	LEVEL 2 RENOVATION - FIRE PROTECTION PLAN
FP113A	LEVEL 3 RENOVATION - FIRE PROTECTION PLAN
FP400	FIRE PROTECTION RISER DIAGRAMS
FP600	FIRE PROTECTION DETAILS

Т000	TECHNOLOGY SYMBOLS, NOTES & ABBREVIATIONS		
TD110A	BASEMENT - TECHNOLOGY DEMOLITION PLAN		
T100	TECHNOLOGY SITE PLAN		
T110	LEVEL B RENOVATION - TECHNOLOGY PLAN		
T111A	LEVEL 1 RENOVATION - TECHNOLOGY PLAN		
T111B	LEVEL 1 ADDITION - TECHNOLOGY PLAN		
T112A	LEVEL 2 RENOVATION - TECHNOLOGY PLAN		
T113A	LEVEL 3 RENOVATION - TECHNOLOGY PLAN		
T310	ENLARGED TECHNOLOGY AXONOMETRICS		
T500	TECHNOLOGY SCHEDULES		
T600	TECHNOLOGY DETAILS - STRUCTURED CABLING		
T601	TECHNOLOGY DETAILS - STRUCTURED CABLING		
T620	TECHNOLOGY DETAILS - VIDEO SURVEILLANCE		

DIGSAU				
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DATE: DESCRIPTION:				
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS				
ວັບບັບດອຣເອາ Ave Philadelphia, PA 19143				
PROJECT #: 2020 SCALE:				
CHECKED: Checker DATE: 4/7/2023				
SHEET NAME: SHEET INDEX				
CONSTRUCTION DOCUMENTS				

 1.0	APPLICABLE CODES & STANDARD
	City of Philadelphia
2.0 2.1	USE AND OCCUPANCY CLASSIFICA OCCUPANCY CLASSIFICATION (IBC
3.0	CONSTRUCTION CLASSIFICATION
3.1	MINIMUM CONSTRUCTION TYPE (
5.2	Alteration- Level 3 (IEBC 504) Level 3 Alterations apply where t
4.0 4.1	HEIGHT & AREA LIMITATIONS BUILDING HEIGHT & AREA
	Code Reference Building Height (IBC Table 504.3 Number of Stories (IBC Table 50 Area per Story (SF) (IBC Table 50
	Total Building Area
5.0 5.1	FIRE-RESISTANCE RATED CONST FIRE-RESISTANCE RATING REQU
	Primary structural frame (IBC T Bearing Walls
	Nonbearing walls and partitions
	Floor construction (including sup Roof construction (including sup Stair Enclosures
	Mechanical, Elevator, & Other Sh
	Exit Access Corridors (IBC Table 1
5.2	Waste Rooms > 100 sqft (IBC Tab INTERIOR FINISHES (IBC Table 80 Use Group
	Exit Stair Exit Access Corridors Rooms & Enclosed Spaces
6.0 6.1	MEANS OF EGRESS OCCUPANT LOAD SUMMARY
6.2	NUMBER & CAPACITY OF EXITS
6.3	MAXIMUM EXIT ACCESS TRAVEL
6.4	MAXIMUM DEAD END CORRIDO
6.5	MAXIMUM COMMON PATH OF
6.6	EGRESS WIDTH

The Philadelphia Administrative Code 2018 International Building Code (IBC) 2009 ICC / ANSI A117.1 2018 International Existing Building Code (IEBC) 2021 International Existing Building Code (IEBC) sections 306, 1101.2, 1508, Appendix B 2018 International Mechanical Code 2018 International Plumbing Code 2017 NFPA 70 - National Electrical Code (per 2018 IBC) 2016 NFPA 72 - National Fire Alarm and Signaling Code 2018 International Performance Building Code 2018 International Energy Conservation Code 2018 Philadelphia Fire Code 2018 International Fuel Gas Code Philadelphia Zoning Code

35,097

IFICATION

(IBC 302.1) Group A-3 Assembly Uses Intended for Recreation

Type IIIB

ION

Philadelphia Plumbing Code

TYPE (IBC Table 601)

Il conform to the International Existing Building Code (IEBC) classification of work compliance method:

ere the work area exceedS 50 percent of the building area.

		Allowable	Proposed
C Table 504.3)		75'	52'
(IBC Table 504.4)		3 stories	3 stories
(IBC Table 506.2)	Basement (A-3)	28,500	6,915
	Level 1 (A-3)	28,500	20,434
	Level 2 (A-3)	28,500	4,841
	Level 3 (A-3)	28.500	2,907

114,000

ISTRUCTION

ATING REQUIREMENTS FOR BUILDING ELEMENTS*		*Fully sprinklered building
frame (IBC Table 601)		0 (Hrs)
	Exterior (IBC Table 601)	2 (Hrs)
	Interior (IBC Table 601)	0 (Hrs)
nd partitions		
	Exterior (IBC Table 602) X (feet) < 5	1 (Hrs)
	Exterior (IBC Table 602) $5 \le X$ (feet) < 10	1 (Hrs)
	Exterior (IBC Table 602) $10 \le X$ (feet) < 30	1 (Hrs)
	Exterior (IBC Table 602) X (feet) \geq 30	0 (Hrs)
	Interior (IBC Table 601)	0 (Hrs)
(including supporting beams and joists) (IBC Table 601)		0 (Hrs)
(including supporting beams and joists) (IBC Table 601)		0 (Hrs)
	< four stories (IBC 1023.2)	1 (Hrs)
	≥ four stories (IBC 1023.2)	2 (Hrs)
or, & Other Shaft Encl	osures	
	< four stories (IBC 713.4)	1 (Hrs)
	≥ four stories (IBC 713.4)	2 (Hrs)
rs (IBC Table 1020.1)		
	A, B, S Occupancy	0 (Hrs)
0 sqft (IBC Table 509)		0 (Hrs)
(IBC Table 803.13)		
	Group A-3	
	Class B	
rs	Class B	

pace	es	

es	Class C
MARY	

6.2	NUMBER & CAPACITY OF EXITS	2 exits per story min		
6.3	MAXIMUM EXIT ACCESS TRAVEL DISTAN	ICE (IBC Table 1017.2)		
		Use Group	Maximum Travel Distance (feet)*	*Fully sprinklered building
		A-3 (Assembly)	250	_
6.4	MAXIMUM DEAD END CORRIDOR LIMIT	(IBC 1020.4)		
		Use Group	Dead End Limit (feet)*	*Fully sprinklered building
		A-3 (Assembly)	20	_
65		(IBC Table 1006 2 1)		
0.5	MAXIMON COMMON FATT OF TRAVEL	Use Group	Max Common Path of Travel Distance (feet)*	*Fully sprinklered huilding
		A-3 (Assembly)	75	
		- (
6.6	EGRESS WIDTH			
	Stairs (IBC 1005.3.1 and 1011.2)	0.2 inch / occupant, 44" minimum width/stair	*Fully sprinklered building
		Doors (IBC 1005.3.2)	0.2 inch / occupant, 32" minimum clear width/doo	or
	Corridors (IBC 10	005.3.2 and Table 1020.2)	0.2 inch / occupant, 44" minimum/corridor	
			0.2 inch / occupant, 36" minimum/corridor with a	an occupant load < 50
6.7	REQUIRED FIRE PROTECTION FEATURES			
	Spr	rinkler System (IBC 903.2)	NFPA 13	
	Portable Fire	Extinguishers (IBC 906.1)	NFPA 10	
	Manual fire	alarm system (IBC 907.2)	NFPA 72	
		Smoke alarms (IBC 907.2)	IBC 907.2 & NFPA 72	

7.1	WHERE REQUIRED (2018 IBC 1103.1)

7.0 ACCESSIBILITY

None.

Where required, sites, buildings, elements, and spaces, temporary and permanent, shall be accessible to persons with physical disabilities.

7.2 SITE ACCESSIBLE ROUTE (2018 IBC 1104.2) Within a site, at least one accessible route shall connect accessible buildings, accessible facilities, accessible elements, and accessible spaces that are on the same site.

At least 60 percent of all public entrances shall be accessible.

7.3 PUBLIC ENTRANCES (2018 IBC 1105.1)

7.5 ACCESSIBLE MEANS OF EGRESS (2021 IEBC 306)

7.6 STAIRWAYS IN EXISTING BUILDINGS (2021 IEBC 306)

7.7 FAMILY TOILET (2018 IBC 1109.2.1)

In assembly occupancies, an accessible family or assisted-use toilet room shall be provided where an aggregate of six or more male and female water closets is required. Per Philadelphia Plumbing Code 403.1.2, the plumbing fixtures required by IBC 1109.2.1 shall contribute toward the total number of required plumbing fixtures for a building or tenant space.

complying with Section 1104.4 of the International Building Code is required between levels served by such stairway.

Accessible means of egress required by Chap. 10 of the International Building Code are not required to be added in existing facilities.

Where a stairway is added where none existed previously and major structural modifications are necessary for installation, an accessible route

8.0 SPECIAL BUILDING REQUIREMENTS

9.0 PLUMBING FIXTURES

2018 Philadelphia Plumbing Code Sections 424, 403 and 410 (Building)								
Classification	Occupant	Occupant Water c		Urinals	Lavatories		Drinking	Samica Sink
	Load	Male Female	Unnais	Male	Female	Fountain	Service Sirik	
Assembly	607	2	5	1	2	2	2	1
Total Number of Fixtures Required		2	5	1	2	2	2	1
Total Number of Fixtures Provided		4	7	1	4	5	2	1
Notes:								

1. Since occupants are allowed to travel up or down one story to reach the required plumbing fixtures, excess fixtures located on adjacent levels can be utilized to accommodate the occupants on floors with insufficient fixtures

ENERGY CODE CONFORMANCE 10.0 Whole building analysis/ trade-off path

See Energy Model Report











2 LEVEL 1 WORK AREA G100 1/32" = 1'-0"

4 LEVEL 3 WORK AREA G100 1/32" = 1'-0"

1 BASEMENT WORK AREA G100 1/32" = 1'-0"

OWNERS Description of Private and Recreation Private/private and Recreation Private/private and Provided and Private Private/private and Provided and Private Private/private and Private and Private Private and Private and Private and Private and Private Private and Private an	<u>CLIENT</u> REBUILD 1515 Arch Street Mezzanine Level Philadelphia, PA 19104
ARCHITECT DISRUM PNIABIOLIP 2R 1910/12 PNIABIOLIP 2R 1910/12 VAT 15 627.0808 WAT 15 627.0808 State 1130 PIMIABION A ASSOCIATES State 1130 PHIABION PA 19108 WWW 43/4/Imason.com V 215 37.6 0059 LINDSCAFE ARCHITECT CONDSCAFE DY 215 37.60072 VAT 217.1612 DY 217 7.012 V 217 230.000 V 215 235.1644 STREE TANATING DYBARDEDIAL STREET SIGMET ARCHITECT STREET NATING DYBARDEDIAL STREET	OWNER CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102
PROJECT PLANE Parial Status Status 123 S. Broad St Status 123 S. Broad St Status 123 S. Broad St 125 S. Broad St 126 S. Broad St 127 S. Broad St 128 S. Broad St 129 S. Broad St 129 S. Broad St	ARCHITECT DIGSAU 340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808 www.digsau.com
STRUCTURAL ENGINEER 123 S. Hord Masson & Associates 123 S. Hord Masson & Comparison of the second s	<u>CIVIL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059
LINDIGUE LANDIGUE Cound Reconsidered 20 South Broad Street Suble 604 Philadelphia, PA 19102 v.215.780.0727 www.groundreconsidered.com MEP/FP ENGINEER dolling 7 Street v.215.780.1010 1500 Valuat St Deline 100 Philos 100 Philos 100 Philos 200 Philos 200	STRUCTURAL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com
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V36/217.1612 Lighting Practice 600 Chestmul Street Suite 77 Philadelphia, PA 19106 v1215.280.1644 COST ESTIMATIVE Distance Consulting 17/19 Obestrut Street Street 801 Industrial Street Willock for 801 not street Street Villock for 801 not street Street	www.groundreconsidered.com <u>MEP/FP ENGINEER</u> dbHMS 1500 Walnut St Suite 1910 Philadelphia, PA 19102
COST ENTATING Distant Consulting 1719 Chesturu Street 910 10.554.8560 ENVIRONMENTAL CONSULTANT Briddelphia, Inc. 901 Industrial Street Willing Street Will 200 DE 19801 v302.855.9600 www.brightfields.om HEAD Street V302.855.9600 www.brightfields.om Date: Date: Description: FRANCIS J. MYERS RECREATION CENTER STEAD DUILDING IMPROVEMENTS S800 Chester Ave Philadelphia, PA 19143 PROJECT #: 2020 Scale: 101/122* 1'-0" FORMAT S00 Chester Ave Philadelphia, PA 19143 SHEET NAME: BUILDING DATA & CODE SUMMARY SHEET NUMBER: G 1 0 0 SHEET NUMBER: CODE SUMMARY	v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215 238 1644
ENVIRONMENTAL CONSULTANT Brightfields, Inc. S01 Industrial Street Wilmington, DE 19801 v 302 86 6000 www.brightfields.com LEED CONSULTANT DataBased ² 303 W Erre Street, Suite 510 Chicago, IL 60654 v 312 315 0557 www.databasedplus.com Image: Street	<u>COST ESTIMATING</u> Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103 v 610.554.6560
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CONSTRUCTION DOCUMENTS	
	G100 PROJECT PHASE:

DICC









 1
 LIFE SAFETY PLAN - BASEMENT

 G101
 1/16" = 1'-0"

LIFE SAFETY LEGEND



SMOKE PARTITION 1/2-HR PARTITION **1-HR PARTITION** 1-HR FIRE BARRIER 2-HR FIRE BARRIER PATH OF EGRESS POINT OF EGRESS

1-HR HORIZ ASSEMBLY

2-HR HORIZ ASSEMBLY

FIRE EXTINGUISHER

	DESIGN OCCUPANT LOAD	SCHEDULE			
SPACE NAME	FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR		DESIGN OCCUPAN LOAD
BASEMENT EXISTING					
STORAGE	STORAGE	6,759 SF	300	gross	23
		6,759 SF			23
LEVEL 1 - EXISTING					
STORAGE	ACCESSORY STORAGE	308 SF	300	gross	1
MULTIPURPOSE ROOM 1	ASSEMBLY, UNCONCENTRATED	1,480 SF	15	net	99
ADMIN / LOUNGE / KITCHEN	BUSINESS	3,532 SF	150	gross	23
LOBBY	BUSINESS	3,217 SF	150	gross	20
AFTER SCHOOL PROGRAM ROOM	EDUCATIONAL, CLASSROOM	688 SF	20	net	35
ARTS & CRAFTS ROOM	EDUCATIONAL, CLASSROOM	287 SF	20	net	11
CLASSROOM 1	EDUCATIONAL, CLASSROOM	555 SF	20	net	30
CLASSROOM 2	EDUCATIONAL, CLASSROOM	665 SF	20	net	36
COMPUTER LAB	EDUCATIONAL, CLASSROOM	633 SF	20	net	32
GYMNASIUM	EXCERCISE	8,012 SF	50	gross	157
LEVEL 2 - EXISTING		19,378 SF			444
ELECTRICAL	ACCESSORY STORAGE	67 SF	300	gross	1
MULTIPURPOSE ROOM 2*	ASSEMBLY, UNCONCENTRATED	1,077 SF	15	net	49
CORRIDOR	BUSINESS	1,433 SF	150	gross	10
CLASSROOM 3	EDUCATIONAL, CLASSROOM	654 SF	20	net	33
CLASSROOM 4	EDUCATIONAL, CLASSROOM	726 SF	20	net	37
LEVEL 3 - EXISTING		3,957 SF			130
UNOCCUPIED SPACE	STORAGE	2,860 SF	300	gross	10
		2.860 SF	1		10
		32,953 SF			607
* DENOTES SPACE WITH POSTED O	CCUPANCY				

* DENOTES SPACE WITH POSTED OCCUPANCY

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OWNER CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102
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Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 STRUCTURAL ENGINEER David Mason & Associates
V 215.375.6059
Ground Reconsidered 230 South Broad Street Suite 604 Philadelphia, PA 19102 v 215.790.0727
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Philadelphia, PA 19106 v 215.238.1644 <u>COST ESTIMATING</u> Dharam Consulting 1719 Chestnut Street
Suite 300 Philadelphia, PA 19103 v 610.554.6560 <u>ENVIRONMENTAL CONSULTANT</u> Brightfields, Inc.
801 Industrial Street Wilmington, DE 19801 v 302.656.9600 www.brightfields.com
DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com
DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER
SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave Philadelphia, PA 19143
PROJECT #: 2020 SCALE: 1/16" = 1'-0" FORMAT: 30" X 42"
CHECKED: BM / MG DATE: 4/7/2023
SHEET NAME: LIFE SAFETY PLANS
SHEET NUMBER:
PROJECT PHASE:



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www.davidmason.com v 215.375.6059 STRUCTURAL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130
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PROFESSIONAL ENGINEER EXPIRES 09-30-2023 PROFESSIONAL JAMES C. GLEATON JR. ENGINEER PE053010E NSYLVA SYLVA DATE
3 04/07/2023 100% CD ISSUE 2 3/29/2023 PWD PCSM RESUBMISSION 1 1 1/12/2023 PWD PCSM SUBMISSION △ DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave. Philadelphia, PA 19143
PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT: 30" X 42" DRAWN: JYL
CHECKED: JG DATE: 04/07/2023
EXISTING CONDITION INFILTRATION TEST LOCATION PLAN
SHEET NUMBER:
PROJECT PHASE: CONSTRUCTION DOCUMENTS





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v 610.554.6560 <u>ENVIRONMENTAL CONSULTANT</u> Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801 v 302.656.9600
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PROFESSIONAL ENGINEER EXPIRES 09-30-2023
SIGNATURE ENGINEER PEO53010E PEO5300E PEO5300E PEO5300E PEO5300E PEO530E
3 04/07/2023 100% CD ISSUE 2 3/29/2023 PWD PCSM RESUBMISSION 1 1 1/12/2023 PWD PCSM SUBMISSION △ DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER
SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave. Philadelphia, PA 19143
PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT: 30" X 42" DRAWN: JYL CHECKED: JG DATE: 04/07/2023
SHEET NAME: DEMOLITION PLAN
SHEET NUMBER: C-102
PROJECT PHASE: CONSTRUCTION DOCUMENTS



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PROFESSIONAL ENGINEER EXPIRES 09-30-2023
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5800 Chester Ave. Philadelphia, PA 19143
PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT: 30" X 42" DRAWN: JYL
CHECKED: JG DATE: 04/07/2023 SHEET NAME:
EROSION AND SEDIMENT CONTROL PLAN
SHEET NUMBER:
PROJECT PHASE: CONSTRUCTION DOCUMENTS

APPROVAL STAMP AREA	APPENDIX E, T
	 AN INDUSTRIAL WASTE PEDURING CONSTRUCTION. DESCRIBED IN THIS PLAN, INLET PROTECTION SHOUL PROJECT SITE. PWD IS NOT RESPONSIBLE ANY EROSION AND SEDIM INSPECTION AND MAINTE A WEEKLY BASIS, BEFORE THE MAXIMUM HEIGHT FOR
	NOT EXCEED 2:1. 6. THE ROCK CONSTRUCTION MAINTAINED ON-SITE FOR ROADWAYS SHALL BE REM SHOVELED, OR SWEPT INT 7. FILTER FABRIC FENCE SHOW LEAST 8 FEET UPSLOPE AT
THE DERMITTEE IS RESPONSIBLE FOR ASSURING THAT ANY FUL MATERIAL LISED AT THE SITE, WHETHER BROUGHT ONTO THE	OF 8 FEET. SEDIMENT MUS FENCE.
SITE OR GENERATED AT THE SITE, MEETS THE MANAGEMENT OF FILL POLICY. WASTE GENERATED FROM OR DISCOVERED DURING CONSTRUCTION AND/OR DEMOLITION ACTIVITIES, MUST BE MANAGED IN ACCORDANCE WITH THE SOLID WASTE MANAGEMENT ACT. THE PERMITTEE IS RESPONSIBLE FOR DETERMINING IF ANY WASTE SO GENERATED IS HAZARDOUS OR NONHAZARDOUS AND HAS THE BURDEN OF PROOF TO DEMONSTRATE THAT WASTE IS MANAGED IN ACCORDANCE WITH THE PERTINENT HAZARDOUS, MUNICIPAL, OR RESIDUAL WASTE REGULATIONS. QUESTIONS ABOUT THE PROPER MANAGEMENT OF WASTE FROM THE CONSTRUCTION OR DEMOLITION ACTIVITIES AUTHORIZED UNDER THIS PERMIT, OR THE LISE OF FILL MATERIAL LINDER THE MANAGEMENT OF FILL POLICY. SHOLLD BE DIRECTED TO THE REGIONAL WASTE	 ANY FENCE SECTION WHIC OUTLET. SEDIMENT MUST EROSION CONTROL BLANK AND ON ALL OTHER DISTU IMMEDIATELY UPON DISC
MANAGEMENT PROGRAM AT 484.250.5960. AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE. THE INSPECTIONS COORDINATOR OF PWD (OFFICE:	AND/OR SEDIMENT POLLU MINIMIZE THE POTENTIAL
215-685-6387) MUST BE CALLED TO SCHEDULE A PRECONSTRUCTION MEETING. WITH THE EXCEPTION OF SITES ENROLLED IN DEP'S LAND RECYCLING AND ENVIRONMENTAL REMEDIATION STANDARDS (ACT 2) PROGRAM AND SITES WITH DEP WASTE MANAGEMENT GENERAL PERMIT (WMGR096) APPROVAL TO USE	11. UNTIL THE SITE IS STABILIZ OF ALL E&S BMPS PRIOR T PREVENTATIVE AND REME
REGULATED FILL, ALL FILL MATERIAL IMPORTED TO THE SITE MUST MEET THE DEFINITION OF CLEAN FILL, AS DEFINED IN THE NPDES PERMIT. REGULATED FILL MAY ONLY BE USED ON ACT 2 SITES, IN ACCORDANCE WITH STANDARDS ESTABLISHED BY THAT PROGRAM, AND ON SITES WITH DEP GENERAL PERMIT WMGR096 APPROVAL. THE PERMITTEE SHALL CONDUCT ENVIRONMENTAL DUE DILIGENCE TO VERIFY THAT SOILS EXCAVATED ON-SITE THAT IS	RESEEDING, REMULCHING EXPECTED, REPLACEMENT 12. ALL EARTH DISTURBANCES
USED TO ESTABLISH FINAL GRADE AND FILL IMPORTED TO THE PROJECT SITE IS CONSIDERED CLEAN FILL. IF DUE DILIGENCE RESULTS IN EVIDENCE OF A RELEASE, AS DEFINED IN DEP'S MANAGEMENT OF FILL POLICY (285-2182-773), THAT HAS AFFECTED THE FILL MATERIAL, THE PERMITTEE SHALL TEST THE MATERIAL TO DETERMINE WHETHER THE MATERIAL QUALIFIES AS CLEAN FILL, AND DEP'S ELECTRONIC FORM FP-001 (CERTIFICATION OF CLEAN FILL) MUST BE COMPLETED, RETAINED BY THE PERMITTEE OR THE PROPERTY OWNER ON-SITE, AND BE MADE AVAILABLE TO DEP/CCD LIPON REQUEST.	ACCORDANCE WITH THE A SITE AT ALL TIMES. PWD S CHANGES. PWD MAY REQ
IF THE PERMITTEE BECOMES AWARE DURING EARTH DISTURBANCE ACTIVITIES THAT SOILS IN THE AREA OF EARTH DISTURBANCE CONTAIN CONCENTRATIONS OF REGULATED SUBSTANCES EXCEEDING THE RESIDENTIAL MEDIUM-SPECIFIC CONCENTRATIONS FOR SOIL IN 25 PA. CODE CHAPTER 250, THAT WERE NOT PREVIOUSLY DISCLOSED TO DEP/CCD, THE PERMITTEE SHALL NOTIFY DEP/CCD IN ACCORDANCE WITH PART A III.D OF THE NPDES PERMIT AND CEASE EARTH	 AT LEAST THREE (3) DAYS PREVIOUSLY UNMARKED, LOCATION OF EXISTING UI ALL EARTH DISTURBANCE
DISTURBANCE ACTIVITIES IN AREAS OF KNOWN SOIL CONTAMINATION UNTIL AUTHORIZED TO RESUME BY DEP/CCD. IF THE PERMITTEE ENCOUNTERS GROUNDWATER DURING EXCAVATION THAT THE PERMITTEE KNOWS OR HAS REASON TO BELIEVE IS CONTAMINATED BY ONE OR MORE POLLUTANTS AT CONCENTRATIONS EXCEEDING WATER QUALITY CRITERIA CONTAINED IN 25 PA. CODE CHAPTER 93, THAT WERE NOT PREVIOUSLY DISCLOSED TO DEP/CCD, THE PERMITTEE SHALL	DRAWINGS. DEVIATION FF IMPLEMENTATION. 15. AREAS TO BE FILLED ARE T
NOTIFY DEP/CCD IN ACCORDANCE WITH PART A III.D OF THE NPDES PERMIT. CONTAMINATED GROUNDWATER MAY NOT BE PUMPED OR OTHERWISE DIVERTED TO SURFACE WATERS UNLESS SPECIFICALLY AUTHORIZED BY DEP/CCD. [SECTION 102.11(A)(1)] THE PROPOSED REMEDIATION WORK (E.G., SOIL CAP, GEOMEMBRANE LINER, PAVEMENT, WATERTIGHT JOINTS FOR THE	16. CLEARING, GRUBBING, AN CONSTRUCTION SEQUENC STAGE OF THE PROJECT U
STORMWATER PIPING, ETC.) BEING PERFORMED TO ELIMINATE EXPOSURE PATHWAYS FOR SUBSURFACE CONTAMINATION OR TO CONTROL CONTAMINANT MIGRATION IS THE RESPONSIBILITY OF THE APPLICANT, OR THEIR ENVIRONMENTAL CONSULTANT. THE RESPONSIBILITY OF THE APPLICANT, OR THEIR ENVIRONMENTAL CONSULTANT, ALSO INCLUDES THE DECISION THAT REMEDIATION WORK IS NOT NEEDED IN AREAS OF POTENTIAL EXPOSURE PATHWAYS. THERE ARE RECOMMENDATIONS FOR REMEDIATION WORK PROVIDED BY THE PADEP LAND RECYCLING (ACT 2)/ENVIRONMENTAL	ARE FUNCTIONING AS DE 17. AT NO TIME SHALL CONST SHOWN ON THE PLAN MA OPERATIONS REGIN
CLEANUP AND BROWNFIELDS (ECB) PROGRAMS. ANY QUESTIONS WITH REGARDS TO THE PROPOSED WORK, DISTURBANCE, OR FUTURE WORK TO THESE AREAS OF POTENTIAL EXPOSURE PATHWAYS SHOULD BE COORDINATED DIRECTLY WITH THE ACT 2/ECB PROGRAMS PRIOR TO COMMENCING. PLEASE NOTE THAT THE IMPLEMENTATION, THE MODIFICATION, OR THE ABSENCE OF ANY REMEDIATION WORK IS NOT AUTHORIZED OR REVIEWED BY THE NPDES STORMWATER CONSTRUCTION PERMITTING PROGRAM.	 A LOG SHOWING DATES T CORRECTED SHALL BE MA ALL SEDIMENT REMOVED
MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL	20. AREAS WHICH ARE TO BE INCHES ON COMPACTED S INCHES OF TOPSOIL IN PL/
PROMOTE FASTER AND EARLIER ESTABLISHMENT. (THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT.) MULCH MATERIALS SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE 1 = 2 TONS PER ACRE (70-90 POLINDS PER 1 000 SOLIARE EFET). EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A	OF TOPSOIL. 21. ALL FILLS SHALL BE COMP PROBLEMS. FILL INTENDE
LIQUID MULCH BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL. SPREAD UINFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75%-95% OF THE SOIL SURFACE WILL BE	ACCORDANCE WITH LOCA 22. ALL EARTHEN FILLS SHALL 23. FILL MATERIALS SHALL BE
SECTIONS AND DISTRIBUTE 70-90 POUNDS WITHIN EACH SECTION.	24. FROZEN MATERIALS OR S 25. FILL SHALL NOT BE PLACE
 THIS MAY BE DONE BY LIQUID MULCH BINDERS FOR SALT HAY OR STRAW MULCHES. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. REMAINDER OF AREAS SHOULD BE UNIFORM IN APPEARANCE. USE ONE OF THE FOLLOWING: 4.2.1. EMULSIFIED ASPHALT - (SS-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1, AND CRS-2). APPLY 0.04 GAL/SY OR 194 	 SEEPS OR SPRINGS ENCOURSE SPECIFICATION FOR SUBS ALL GRADED AREAS SHAL COMPETENT REDROCK AND
 GAL/ACRE ON FLAT SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET OR MORE HIGH, USE 0.075 GAL/SY OR 363 GAL/ACRE. 4.2.2. CUTBACK ASPHALT - RAPID CURING (RC-70, RC-250, AND RC-800) OR MEDIUM CURING (MC-250 OR MC-800). APPLY 0.04 GAL/SY OR 194 GAL/ACRE ON FLAT SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET OR MORE HIGH, USE 0.075 GAL/SY OR 363 GAL/ACRE. 4.2.3. SYNTHETIC OR ORGANIC BINDERS - BINDERS SUCH AS CURASOL, DCA-70, PETRO-SET, AND TERRA-TANK MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH MATERIALS. 	AS OTHERWISE SHOWN C 28. IMMEDIATELY AFTER EAR SHALL STABILIZE ALL DIST APPLIED AS DESCRIBED IN STABILIZED IN ACCORDAN
ALL NAMES GIVE ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A RECOMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS. WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.	REACTIVATED WITHIN ON 29. PERMANENT STABILIZATIO PERMANENT NON-VEGET
MPORARY SEEDING:	SHALL BE CAPABLE OF RE 30. E&S BMPS SHALL REMAIN
 THE FOLLOWING SURFACES OF THE SITE SHALL BE TEMPORARILY SEEDED AND MULCHED: THE SURFACE OF TOPSOIL STOCKPILES. THE SURFACE OF EXPOSED EARTH AREAS THAT WILL BE EXPOSED WITHOUT CONSTRUCTION ACTIVITY THEREON. *NO STEEP SLOPES WILL BE SEEDED, PER WHITPAIN TOWNSHIP REQUIREMENTS.* 	UNTIL THEY ARE REPLACE 31. AFTER FINAL SITE STABILI PERMANENT POST-CONST CONVERSION OF THE F&S
SEEDING SHALL OCCUR IMMEDIATELY AFTER ESTABLISHMENT OF THE TOPSOIL STOCKPILES OR ROUGH GRADED AREAS. THE FOLLOWING AREAS SHALL BE PLANTED: .1. 100% FORUMLA E, ANNUAL AS PER PENNDOT, SECTION 804.	DISTURBED AREAS, SUCH 32. SEDIMENT BASINS AND/C HAVING POTENTIAL TO CI
APPLY SEE UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. THE LATTER MAY BE JUSTIFIABLE FOR LARGE, STEEP AREAS WHERE CONVENTIONAL VEHICLES CANNOT TRAVEL. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH THE SEED. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL, TO A DEPTH OF $\frac{1}{4}$ TO $\frac{1}{2}$ INCHE, BY RAKING OR DRAGGING. DEPTH OF SEED	APPLICABLE) 33. DURING CONSTRUCTION, OR DEVIATION FROM THE
PLACEMENT MAY BE [‡] INCH DEEPER ON COARSE TEXTURED SOIL. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED.	34. ALL WORK ASSOCIATED V THE CITY OF PHILADELPHI SPECIFICATIONS", 1985 EI 35. CONTACT PWD WATER TF
SITE HOUSEKEEPING AND MATERIALS MANAGEMENT	APPROVALS AND PERMIT
VASTE MANAGEMENT - BUILDING MATERIALS AND OTHER CONSTRUCTION SITES MUST BE PROPERLY MANAGE DISPOSED OF O REDUCE POTENTIAL FOR POLLUTION TO SURFACE AND GROUND WATERS PER 25 PA CODE 102.4(B)(5)(XI). PROPER TRASH ISPOSAL, RECYCLING OF MATERIALS, PROPER MATERIALS HANDLING, AND SPILLED PREVENTION AND CLEAN-UP REDUCE THE OTENTIAL FOR CONSTRUCTION WASTES TO BE MOBILIZED BY STORMWATER RUNOFF AND CONVEYED TO SURFACE WATERS.	 ALL BUILDING MATERIALS WITH THE PADEP'S SOLID BUILDING MATERIALS OR THE SITE
NDER NO CIRCUMSTANCE MAY EROSION CONTROL BMPS BE USED FOR TEMPORARY STORAGE OF DEMOLITION MATERIALS OR CONSTRUCTION WASTES.	37. A DUST CONTROL PERMIT THAN THREE (3) STORIES.
LL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS MUST BE FOLLOWED IN THE USE, HANDLING, AND ISPOSAL OF POTENTIAL HAZARDOUS MATERIALS	SQUARE FEET; COMPLETE EARTHWORKS, DEFINED A

ABLE E-5, V. 3.2 (OCTOBER 2020)STANDARD ES:

RMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE

OVER UNDISTURBED VEGETATED AREAS. D BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE

- FOR ANY CLEANING OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ENT CONTROL PRACTICES. (PROJECT OWNER IS RESPONSIBLE PARTY)
- VANCE OF ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL OCCUR ON ANY ANTICIPATED PRECIPITATION EVENTS, AND AFTER ALL PRECIPITATION EVENTS.
- OR STOCKPILES AREAS SHALL BE 20 FEET. THE MAXIMUM SIDE SLOPE FOR STOCKPILE AREAS SHALL
- I ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON-SITE. A STOCKPILE SHALL BE THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED OVED AND RETURNED TO THE CONSTRUCTION SITE. IN NO CASE SHALL THE SEDIMENT BE WASHED,) ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER
- JLD BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION SHOULD BE EXTENDED AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM T BE REMOVED WHEN ACCUMULATIONS REACH ½ THE ABOVE GROUND HEIGHT OF THE FILTER
- I HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER
- BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET ETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER 9. RBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.

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- OVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION ITION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO
- FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY PWD AND PA DEP.
- ED, ALL E&S BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS O ANY ANTICIPATED STORM EVENT, AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL DIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING,
- , AND RENETTING, MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS BMPS, OR MODIFICATIONS OF THOSE INSTALLED, WILL BE REQUIRED.
- , INCLUDING CLEARING AND GRUBBING, AS WELL AS CUTS AND FILLS, SHALL BE DONE IN PPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT HALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE 14. JIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE
- IDERGROUND UTILITIES. ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN
- OM THAT SEQUENCE MUST BE APPROVED IN WRITING BY PWD AND THE PA DEP PRIOR TO D BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND
- ATERIAL.) TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE
- 18. E. GENERAL SITE CLEARING, GRUBBING, AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY ITIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE HAVE BEEN INSTALLED AND ^{19.} CRIBED IN THIS E&S PLAN.
- LUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES 20. PS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING
- HAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE NTAINED ON THE SITE AND BE MADE AVAILABLE TO PWD AT THE TIME OF INSPECTION. FROM BMPS SHALL BE DISPOSED OF IN A MANNER AS SHOWN ON PLAN DRAWINGS.
- FOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE TO FIVE INCHES SIX TO 12 OILS — PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM FOUR CE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF TWO INCHES
- ACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED
- TO SUPPORT BUILDINGS, STRUCTURES, AND CONDUITS, ETC. SHALL BE COMPACTED IN L REQUIREMENTS OR CODES.
- BE PLACED IN COMPACTED LAYERS NOT TO EXCEED NINE INCHES IN THICKNESS.
- FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE
- INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS. PT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- ON SATURATED OR FROZEN SURFACES.
- JRFACE DRAIN OR OTHER APPROVED METHOD. BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN D ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR
- N THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN. I DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR JRBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE
- THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN ONE YEAR, MAY BE ^{32.} E WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE EYEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS. 33.
- IN IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER TIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES STING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- UNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR BY ANOTHER BMP APPROVED BY PWD AND PA DEP.
- ATION HAS BEEN ACHIEVED, TEMPORARY E&S BMPS MUST BE REMOVED OR CONVERTED TO RUCTION STORMWATER MANAGEMENT PRACTICES. AREAS DISTURBED DURING REMOVAL OR BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF
- EMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON. R TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS OG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS. (WHEN
- THE SELECTED CONTRACTOR IS EXPECTED TO FOLLOW THE PCSMP APPROVED BY PWD. NO CHANGE
- APPROVED PCSMP IS PERMITTED WITHOUT PRIOR APPROVAL FROM PWD. ITH PWD WATER CONVEYANCE AND SEWER INFRASTRUCTURE SHALL BE DONE IN ACCORDANCE WITH
- A WATER DEPARTMENT "WATER MAIN STANDARD DETAILS AND CORROSION CONTROL ITION, AND "STANDARD DETAILS AND STANDARD SPECIFICATIONS FOR SEWERS", 1985 EDITION. ANSPORT RECORDS (1101 MARKET STREET, 2ND FLOOR, PHONE: 215-685-6271) FOR ADDITIONAL REQUIRED FOR ALL WATER SERVICES, METERS, AND CONNECTIONS TO THE EXISTING AND/OR
- AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1, AND 287.1 ET SEQ. NO
- WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT WILL BE REQUIRED WHEN COMPLETELY DEMOLISHING A BUILDING OR STRUCTURE THAT IS MORE GREATER THAN FORTY (40) FEET TALL, OR ENCOMPASSES MORE THAN TEN THOUSAND (10,000)
- Y OR PARTIALLY DEMOLISHING ANY BUILDING OR STRUCTURE BY IMPLOSION; OR ENGAGING IN "CLEARING, GRUBBING, OR EARTH DISTURBANCE OF ANY LAND IN EXCESS OF 5,000 SQUARE FEET."

APPENDIX C - STANDARD E&S PLAN NOTES

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DON WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY T AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIE CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENC WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUI OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF (OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM PWD TO AN ON-SITE PRECONSTRU-AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PR
- UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOC EXISTING UNDERGROUND UTILITIES. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON T DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM PWD OR BY THE DEPA
- TO IMPLEMENTATION. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETAT OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAG CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMME OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHAS INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBA SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SH PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THA STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN D STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATE AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRAC MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCALCONSERVATION THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUI DISCHARGED AT THE SITE.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY PWD OR THE DEPARTMEI IMPLEMENTED PRIOR TO BEING ACTIVATED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL.FORM 12. BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGU
- SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING. 13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBE OVER UNDISTURBED VEGETATED AREAS.
- VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM LOTS (SPECIFY LOT NUM (SPECIFY ROAD NAMES) . 363-2134-008 / MARCH 31, 2012 / PAGE 395 15. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTE
- INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRA RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PI EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE D CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIA INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTIO OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIM SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRA AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES -- 6 TO 12 COMPACTED SOILS -- PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE O PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED WITH LOCAL REQUIREMENTS OR CODES.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS. 22. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIC MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- 23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED II 24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE S
- SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD. 26. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. C COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFA
- AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF T IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS. MULCH OR PROTECTIVE BLANKETIN APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH W REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION S
- 28. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR O PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AI SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- NTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND 29. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY PWD OR THE DEPARTMENT.
 - UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURI 30. OWNER AND/OR OPERATOR SHALL CONTACT PWD FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION O AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED
 - OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTUR
 - OWNER AND/OR OPERATOR SHALL CONTACT PWD TO SCHEDULE A FINAL INSPECTION.363-2134-008 / MARC FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING
 - CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BM ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED I THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMII FOR EACH VIOLATION.OPTIONAL NOTES THE FOLLOWING NOTES SHOULD BE ADDED TO PLAN DRAWINGS AS
 - CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CA ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.
 - UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE CHANNEL SHALL BE IMMEDIATELY BACKFILLED AND RESTORED TO ITS ORIGINAL CROSS-SECTION AND PROTECTIVE LINING. ANY BASE FLOW WITHIN THE CHANNEL CONVEYED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS CON CHANNELS HAVING RIPRAP, RENO MATTRESS, OR GABION LININGS MUST BE SUFFICIENTLY OVER-EXCAVATED SO THAT THE
 - DESIGN DIMENSIONS WILL BE PROVIDED AFTER PLACEMENT OF THE PROTECTIVE LINING. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS.
 - SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES. ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL CONSERVATION
 - DISTRICT. AND THE OWNER OF THE DAMAGED PROPERTY. UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPECTOR, LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
 - EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS. FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE
 - STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 6 INCH LAYERED LIFTS TO NOT LESS THAN 97% MAXIMUM DRY DENSITY.

	CONSTRUCTION SCHEDULE AND PROCEDURE FOR IMPLEMENTATION OF SOIL
	EROSION AND SEDIMENT CONTROL MEASURES:
ED OF ANY CY MAY REQUIRE A	1. AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE A PRECONSTRUCTION MEETING.
BBING, THE OFFICIALS, THE E&S CRITICAL STAGES	2. AT LEAST THREE (3) DAYS PRIOR TO (UNDERGROUND INFILTRATION SYSTEM) INSTALLATION, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE AN INSPECTION (FOR EACH SMP).
ICTION MEETING. REVIOUSLY	3. ALL STONE THAT MAKES UP THE (UNDERGROUND DETENTION SYSTEM) MUST REMAIN FREE OF SEDIMENT. IF SEDIMENT ENTERS THE STONE, THE CONTRACTOR MAY BE REQUIRED TO REMOVE THE SEDIMENT AND REPLACE IT WITH CLEAN-WASHED STONE.
THE PLAN	4. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) FOR A FINAL INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
ARTMENT PRIOR	5. AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED. CESSATION OF ACTIVITY FOR FOUR (4) DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION.
	6. THE NPDES NOTICE OF TERMINATION (N.O.T.) MUST BE SUBMITTED TO PA DEP UPON COMPLETION OF CONSTRUCTION (WHEN APPLICABLE).
GE OF THE ENCE IN ANY STAGE ASE HAVE BEEN	 WATER PUMPED FROM WORK AREAS SHOULD BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A PWD INFRASTRUCTURE (1) CONTAMINATED SOIL SHALL BE DISPOSED OF AT EITHER A) AN APPROVED DISPOSAL FACILITY WITH AN APPROVED AND CURRENT PADEP SOIL WASTE MANAGEMENT PERMIT, OR B) AN
ANCE BOUNDARIES AND GRUBBING IOWN ON THE	9. APPROVED LANDFILL (TYPICALLY DISPOSAL AT A LANDFILL DOES NOT REQUIRE A WASTE PERMIT), AND (2) "WASTE MATERIALS, SCRAP OR EXCESS CONSTRUCTION MATERIALS SHALL BE COLLECTED, STORED AND DISPOSED OF IN ACCORDANCE WITH THE SOLID WASTE MANAGEMENT ACT (35 P. S. § § 6018.101—6018.1003), THE MUNICIPAL WASTE PLANNING, RECYCLING AND WASTE REDUCTION ACT (53 P. S. § § 4000.101—4000.1904), THE CLEAN STREAMS LAW (35 P. S. § § 691.1—691.1001) AND RELATED RULES AND REGULATIONS. (TITLE 25, CHAPTER 105, SECTION 46A)
T ARE TO BE DRAWINGS. D EROSION CTICES TO	10. TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION, AREAS FOR PROPOSED INFILTRATION STORMWATER MANAGEMENT PRACTICES (SMPS) MUST BE PHYSICALLY STAKED BEFORE ANY SITE WORK BEGINS. IF THESE AREAS ARE COMPACTED DURING CONSTRUCTION, ADDITIONAL INFILTRATION TESTING WILL BE REQUIRED. THE INFILTRATION TESTING PROCEDURE MUST BE IN COMPLIANCE WITH THE CURRENT PHILADELPHIA STORMWATER MANAGEMENT GUIDANCE MANUAL. A MINIMUM OF TWO INFILTRATION TESTS MUST BE PERFORMED AT THE BOTTOM ELEVATION OF EACH SMP. THE ENGINEER MUST PROVIDE A SIGNED AND SEALED INFILTRATION TESTING REPORT, INCLUDING A TESTING LOCATION PLAN AND SUMMARY OF RESULTS. ALL INFORMATION MUST BE SUBMITTED TO PWD FOR REVIEW AND APPROVAL BEFORE PROCEDUNG WITH CONSTRUCTION. IF
	11. INSTALL CONSTRUCTION ENTRANCE RUMBLE PAD, SILT FENCE, COMPOST FILTER SOCK, AND BARRICADES.
AND 287.1 ET.	12. DEMOLISH EXISTING STRUCTURES ON SITE AND REMOVE EXISTING PAVEMENT.
INT FULLY	13. CLEAR AND ESTABLISH ROUGH GRADES AS NECESSARY TO ESTABLISH SITE DRAINAGE PATTERNS, INSTALL COMPOST FILTER SOCK AT NEWLY CONSTRUCTED ENTRANCES (AS NECESSARY).
RM FP-001 MUST JLATED	 14. CONSTRUCT STORMWATER SYSTEM FROM DOWNSTREAM TO UPSTREAM (EXCLUDING ROOF DRAINS), INSTALLING FILTER BAGS IN ALL SURROUNDING EXISTING INLETS. a. INSTALL, OUTLET PIPE, & OUTLET STRUCTURE. INSPECT FOR IRREGULARITIES AND CONFIRM WITH E.O.R. THAT CONSTRUCTED ELEMENT ARE ACCEPTABLE. * THESE STEPS ARE CRITICAL BMP STAGE
ED IN THIS PLAN,	LICENSED PROFESSIONAL TO OVERSEE INSTALLATION OF THESE STEPS
MBERS)ONTO	SUBSURFACE INFILTRATION BASIN-1 & INFILTRATION BASIN 2 a. AREAS FOR PROPOSED SUBSURFACE INFILTRATION SMPS MUST BE PHYSICALLY MARKED AS HEAVY EQUIPMENT EXCLUSION ZONES PRIOR TO ANY LAND-DISTURBING ACTIVITIES TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION. INSTALL CONSTRUCTION FENCING AROUND SUBSURFACE INFILTRATION AREAS.
NANCE SHALL Y BASIS. ALL ADING,	b. PROVIDE EROSION AND SEDIMENTATION CONTROL PROTECTION ON THE SITE SUCH THAT CONSTRUCTION RUNOFF IS DIRECTED AWAY FROM THE PROPOSED SUBSURFACE INFILTRATION SMP
DATE THEY WERE	c. INFILTRATION AREAS MAY NOT BE USED AS SEDIMENT TRAPS DURING CONSTRUCTION, UNLESS AT LEAST THREE FEET OF SOIL ARE LEFT IN PLACE WHILE THE AREA IS SERVING AS A SEDIMENT TRAP AND SUBSEQUENTLY REMOVED DURING CONSTRUCTION AFTER THE CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.
ALS AT THE TIME OF	d. COMPLETE SITE ELEVATION GRADING AND STABILIZE ALL DISTURBED SOIL. STABILIZATION OF DISTURBED AREAS MUST BE IMPLEMENTED BEFORE FINALIZING THE SUBSURFACE INFILTRATION SMP'S EXCAVATION AND CONSTRUCTION.
N SITE BY THE END IENT BE WASHED,	e. EXCAVATE TWO FEET BELOW THE PROPOSED INFILTRATION BED INVERT ELEVATION.
AWINGS.	f. MANUALLY GRADE AND SCARIFY THE EXISTING SOIL SURFACE. THE BOTTOM OF THE INFILTRATION BED SHALL BE AT A LEVEL GRADE. THE EXISTING SUBGRADE SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT.
4 INCHES ON 4 INCHES OF ES OF TOPSOIL.	g. PLACE POLYPROPYLENE GEOTEXTILE FILTER FABRIC IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS.
R OTHER RELATED	h. AMEND IN-SITU SOIL IN ACCORDANCE WITH THE SMP DETAILS WITHIN THE PCSM PLANS. THE PROJECT GEOTECHNICAL ENGINEER SHOULD BE ON-SITE TO OBSERVE INSTALLATION OF SOIL AMENDMENTS.
ONABLE	i. PLACE TWO FEET OF AMENDED SOIL ACROSS THE ENTIRE CROSS-SECTION OF THE INFILTRATION BED. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM.
INTO FILLS.	j. PERFORM INFILTRATION TESTING OF THE AMENDED SOIL LAYER. A MINIMUM OF THREE INFILTRATION TESTS MUST BE PERFORMED WITHIN THE AMENDED SOIL LAYER. THE PROCEDURE USED MUST BE THE DOUBLE-RING INFILTROMETER TEST, SOIL SAMPLING AND CHARACTERIZATION ARE ALSO REQUIRED, AND ALL MUST BE IN COMPLIANCE WITH THE CURRENT PHILADELPHIA STORMWATER MANAGEMENT GUIDANCE MANUAL. PRIOR TO INFILTRATION TESTING, PWD MUST BE CALLED (OFFICE: 215-685-6387) TO
STANDARD AND	SCHEDULE AN OBSERVATION. THE ENGINEER MUST PROVIDE A SIGNED AND SEALED GEOTECHNICAL REPORT. ALL INFORMATION MUST BE SUBMITTED TO PWD FOR REVIEW AND APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION. IF SOIL AMENDMENTS ARE INSTALLED, AND THE TESTED INFILTRATION RATE IS DETERMINED TO BE OUTSIDE OF THE PWD ALLOWABLE RANGE OF 0.4 TO TEN INCHES PER HOUR OR VARIES SIGNIFICANTLY FROM THE DESIGN INFILTRATION RATE, ADDITIONAL SOIL AMENDMENTS AND/OR A SYSTEM REDESIGN WILL BE REQUIRED. ONCE THE INFILTRATION TEST RESULTS ARE REVIEWED AND DETERMINED BY PWD TO BE ACCEPTABLE, PROCEED WITH INSTALLATION OF THE INFILTRATION PRACTICE.
ACE WATER, OR THIS PLAN.	k. SOIL AMENDMENTS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION PRIOR TO THE PLACEMENT OF POLYPROPYLENE GEOTEXTILE AND STONE BED.
E OPERATOR SHALL IG SHALL BE 1 YEAR, MAY BE	I. PLACE POLYPROPYLENE GEOTEXTILE AND INFILTRATION BED AGGREGATE IMMEDIATELY AFTER APPROVAL OF SOIL AMENDMENT PREPARATION TO PREVENT ACCUMULATION OF DEBRIS AND SEDIMENT. PREVENT RUNOFF AND SEDIMENT FROM ENTERING THE STORAGE BED DURING THE PLACEMENT OF THE GEOTEXTILE AND AGGREGATE BED.
SPECIFICATIONS.	m. PLACE POLYPROPYLENE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF 16 INCHES. FABRIC SHALL BE SECURED AT LEAST FOUR FEET OUTSIDE OF BED.
AND FILL SLOPES	n. INSTALL AGGREGATE COURSE IN LIFTS OF SIX TO EIGHT INCHES. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM.
RBED AREAS, THE	o. INSTALL HDPE PIPES, MANIFORDS, AND GRAVEL. INSPECT FOR IRREGULARITIES AND CONFIRM FINAL POLYPROPYLEN3 GEOTEXTILE FABRIC AND BACKFILL. STORAGE STRUCTURES (E.G., PIPES, ARCHES, CRATES, ETC.) DURING STONE BED PLACEMENT. INSTALL AGGREGATE TO GRADES INDICATED ON THE DRAWINGS.
F THE E&S BMPS. E REMOVED OR	p. COMPLETE SURFACE GRADING ABOVE SUBSURFACE INFILTRATION SYSTEM, USING SUITABLE EQUIPMENT TO AVOID EXCESS COMPACTION.
DURING REMOVAL ION OF DISTURBED	NOTE 1: PROPOSED POLYPROPYLENE GEOTEXTILE BEING USED FOR SMP BASINS MEETS THE FOLLOWING REQUIREMENTS (AASHTO CLASS I OR II): A. GRAB TENSILE STRENGTH (ASTM-D4632): ≥ 120 LBS B. MULLEN BURST STRENGTH (ASTM-D3786): ≥ 225 PSI
RBED AREAS, THE H 31, 2012 / PAGE	C. FLOW RATE (ASTM-D4491): ≥ 95 GAL/MIN/FT^2 D. UV RESISTANCE AFTER 500 HRD (ASTM-D4355): ≥ 70% E. HEAT-SET OR HEAT CALENDARED FABRICS ARE NOT PERMITTED
THE MPS MAY RESULT IN IN SECTION 602 OF IN CIVIL NAL PENALTIES APPLICABLE. ASE SHALL IT BE	
S, WOODY DEBRIS,	
ND THE CHANNEL L SHALL BE OMPLETE.	

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1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice 600 Chestnut Street Suite 772					
Suite 772 Philadelphia, PA 19106 v 215.238.1644 <u>COST ESTIMATING</u> Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103					
v 610.554.6560 <u>ENVIRONMENTAL CONSULTANT</u> Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801 v 302.656.9600 www.brightfields.com					
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PROFESSIONAL ENGINEER EXPIRES 09-30-2023 PROFESSIONAL JAMES C. GLEATON JR. ENGINEER PE053010E N S Y L V A STATE DATE					
3 04/07/2023 100% CD ISSUE 2 3/29/2023 PWD PCSM RESUBMISSION 1 1 1/12/2023 PWD PCSM SUBMISSION △ DATE: DESCRIPTION:					
FRANCIS J. MYERS					
RECREATION CENTER SITE AND BUILDING IMPROVEMENTS					
Philadelphia, PA 19143 PROJECT #: 2020297-00 SCALE: 1" = 20'					
FORMAT:30" X 42"DRAWN:JYLCHECKED:JGDATE:04/07/2023					
SHEET NAME: EROSION AND SEDIMENT CONTROL NOTES					
SHEET NUMBER: C-251					
PROJECT PHASE:					

CONSTRUCTION DOCUMENTS





-2 IN. x 2 IN. WOODEN STAKES PLACED 10 FT ON CENTER

- FXISTING CONTOURS

└─2 IN. x 2 IN. WOODEN STAKES PLACED 10 FT ON



INTAKE HOSE

PUMP-ELEVATION VIEW

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	IEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
grab tensile	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION

RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE

MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED. STANDARD CONSTRUCTION DETAIL #3-16 PUMPED WATER FILTER BAG

<u>NOTES:</u>

C252 / SCALE: NOT TO SCALE

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PROFESSIONAL ENGINEER EXPIRES 09-30-2023
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2 3/29/2023 PWD PCSM RESUBMISSION 1 1 1/12/2023 PWD PCSM SUBMISSION △ DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER
SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave. Philadelphia, PA 19143
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SEDIMENT CONTROL NOTES
SHEET NUMBER:
C-252

CONSTRUCTION DOCUMENTS



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FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING
IMPROVEMENTS 5800 Chester Ave. Philadelphia, PA 19143
PROJECT #: 2020297-00
SCALE. 1 - 20 FORMAT: 30" X 42" DRAWN: JYL CHECKED: JG DATE: 04/07/2023
SHEET NAME: SITE PLAN
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AMES C. GLEATO PROFESSIONAL JAMES C. GLEATO PEO53010E PEO53010E	PROFESSIONAL ENGINEER EXPIRES 09-30-2023 John JR. W. SIGNATURE 04/14/2023 DATE
3 04/07/2023 2 3/29/2023 1 1/12/2023 △ DATE:	100% CD ISSUE PWD PCSM RESUBMISSION 1 PWD PCSM SUBMISSION DESCRIPTION:
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5800 Chester Philadelphia, F	Ave. PA 19143
PROJECT #:	2020297-00
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DATE:	04/07/2023
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PROJECT PH	ASE:
JUNJIKUU	

- 1. CONCRETE VAULT SHALL BE MANUFACTURED BY ALTOMORE PRECAST
- 2. CONTRACTOR TO CONFIRM REQUIRED INTERIOR DIMENSIONS OF CONCRETE VAULT PRIOR TO FABRICATION; COORDINATE WITH SPRAYGROUND EQUIPMENT SUPPLIER. 3. SPRAYGROUND MANIFOLD VAULT LID TO BE PAINTED WITH WHITE CERAMIC

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3 04/07/2023 100% CD ISSUE 2 3/29/2023 PWD PCSM RESUBMISSION 1 1 1/12/2023 PWD PCSM SUBMISSION △ DATE: DESCRIPTION:
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PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT: 30" X 42" DRAWN: JYL CHECKED: JG DATE: 04/07/2023
SHEET NAME: SITE DETAILS 2
SHEET NUMBER: C-352
PROJECT PHASE: CONSTRUCTION DOCUMENTS

CONSTI • NE' • REI • DEI	RUCTION OF: W 1 STORY BUILDING G` DESIGN TO PLAYGROUND MOLITION OF EXISTING ST	(M ADDITION ON REAR SIDE (RUCTURES IS PF	DF PROPERTY ROPOSED.		
		LIST OF U	TILITY CONNECTI	ON	
ID	TYPE	SIZE (INCHES)	MATERIAL	CONNECTION METHOD	MAX. FLOV RATE
1	SANITARY	6	DIP	MODIFIED SADDLE	
2	STORM	18	DIP	MODIFIED SADDLE	
3	DOMESTIC COLD WATER	3	DIP	EXIST TO REMAIN	95 GPM
4	FIRE	6	DIP	EXIST TO REMAIN	500 GPM
6	ELECTRIC	18.5" X 18.5"	PVC DUCT	CABLE TO CABLE	
7	TELECOM	4	PVC DUCT	PROVIDED BY PROVIDER	

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C-400
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<u>GEN</u>	
1.	ALL NEW UTILITIES/SERVICES, INCLUDING AERIAL CONNECTION, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
2.	THE LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, REMOVAL OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINT CONFLICTS SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER.
3.	ALL UTILITY EXTENSIONS FROM THE BUILDING BY OTHER TRADES SHALL BE CONNECTED TO THE CONTINUATION UTILITY LINES ON THE SITE. THE GENERAL CONTRACTOR SHALL MAKE THE CONNECTIONS AT A POINT 5' FROM THE BUILDING WALL WHERE OTHER TRADES HAVE ENDED THEIR WORK. THE GC SHALL COORDINATE SCHEDULING OF THESE CONNECTIONS WITH OTHER TRADES TO ASSURE THE SYSTEM IS COMPLETE WHEN FLOW WILL BEGIN IN THE LINES.
4.	CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5.	DEFINE AND LOCATE VERTICALLY AND HORIZONTALLY ALL ACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE NOT TO REMAIN. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE ACTIVITY.
6.	THE BUILDING FOOTPRINTS DEPICTED HEREON HAVE BEEN TRANSPOSED FROM PRELIMINARY ARCHITECTURAL PLANS. FINAL BUILDING DIMENSIONS MAY VARY SLIGHTLY, BUT SHALL ULTIMATELY CONFORM TO ALL APPLICABLE ZONING SETBACKS, IMPERVIOUS SURFACE COVERAGE RATIOS, ETC.
7.	UNLESS INDICATED OTHERWISE, ALL SANITARY SEWER MAINS SHALL BE SDR 26 PVC PIPE AND SANITARY LATERALS SHALL BE SCHEDULE 40 PVC PIPE.
8.	ALL SEWER LATERALS SHALL BE PROVIDED WITH METALLIC-BACKED WARNING TAPE 12" ABOVE THE PIPE.
9.	ALL SANITARY SEWERS AND APPURTENANCES SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH PHILADELPHIA WATER DEPARTMENT REQUIREMENTS.
10.	THE PROPOSED WATER MAINS SHALL BE DUCTILE IRON CEMENT LINED PIPE (DICL) - CLASS 52.
11. 12	EXISTING VALVES, RIMS, GRATES, CLEANOUTS AND LIDS SHALL BE FIELD RESET TO PROPOSED GRADE.
12. 13.	INLET TOP OF GRATE (T/G) ELEVATIONS REFERENCE THE DESIGN GUTTER LINE GRADE. REFER TO THE INLET PAVING DETAIL FOUND ON THE DETAIL SHEETS.
14.	STRUCTURE LOCATION (STATION) AND PIPE LENGTHS ARE MEASURED FROM THE CENTER OF STRUCTURE.
15.	WHENEVER POSSIBLE, SEWER MAINS SHOULD BE LAID AT LEAST 10' HORIZONTAL FROM ANY EXISTING OR PROPOSED WATER MAIN. SHOULD LOCATION CONDITIONS PREVENT A LATERAL SEPARATION OF 10', A SEWER MAY BE LAID CLOSER THAN 10' TO A WATER MAIN IF: A. IT IS LAID IN A SEPARATE TRENCH B. IT IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT ONE SIDE OF A BENCH OF UNDISTURBED EARTH.
16.	WHENEVER SEWERS MUST CROSS WATER MAINS OR UTILITIES, A MINIMUM OF 18" OF VERTICAL CLEARANCE MUST BE MAINTAINED. IF NOT ATTAINABLE, A 6" CONCRETE ENCASEMENT MUST BE PROVIDED. DUCTILE IRON PIPE MUST BE UTILIZED AT CROSSINGS WITH CONCRETE ENCASEMENTS. THIS PIPE MUST CONSISTENTLY BE DUCTULE IRON PIPE BETWEEN THE TWO MANHOUES OF THE AFFECTED AREA
17.	THE CITY ENGINEER'S INSPECTION DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE THAT INSPECTION IS REQUIRED. NOTIFICATION MAY BE MADE EITHER IN WRITING OR VERBALLY, BUT IN EITHER INSTANCE, NOTIFICATION MUST BE RECEIVED BY THE INSPECTION DEPARTMENT PRIOR TO THE SAID 48
18.	WHEN A NEW SANITARY LINE IS CONSTRUCTED AND TIED INTO AN ACTIVE MANHOLE, THE NEW LINE WILL BE PLUGGED AND REMAIN PLUGGED UNTIL ALL TESTING HAS BEEN COMPLETED AND APPROVED BY THE CITY ENGINEER'S INSPECTOR OR REPRESENTATIVE.
19.	SHOULD ANY CHANGE BE PRECIPITATED FROM FIELD CONDITIONS ENCOUNTERED, OR IF ANY CHANGE FROM THE CONSTRUCTION DRAWINGS IS NECESSARY, A CHANGE ORDER REQUEST MUST BE FILED WITH THE CITY. THIS CHANGE MAY NOT COMMENCE UNTIL APPROVAL OF THE CHANGE ORDER IS GRANTED.
20.	ANY EXISTING SEWER LATERALS SHALL BE EXCAVATED, REMOVED AND PLUGGED WATERTIGHT AT THE CURBLINE OR WHERE DESIGNATED BY THE PHILADELPHIA WATER DEPARTMENT.
21.	STORM SEWERS WITHIN THE PUBLIC RIGHTS-OF-WAY SHALL BE CLASS III RCP CONFORMING TO ASTM C76 SPECIFICATIONS.
22. วว	ALL STORM SEWER PIPE JOINTS AND STRUCTURES SHALL BE WATER TIGHT.
23. 24.	ALL ON-SITE BUILDING IMPROVEMENTS SHALL CONFORM TO THE IBC.
25.	WATER METERS AND BACKFLOW PREVENTION DEVICES WILL BE REQUIRED FOR EACH BUILDING.
26.	THE MINIMUM DISTANCE BETWEEN THE PLACEMENT OF TREES TO LIGHT POLES AND UTILITY SERVICE LINES SHALL BE 10 FEET.
27.	ALL SANITARY AND STORM SEWERS WITH A SLOPE LESS THAN 1.0% ARE TO BE CONSTRUCTED USING A LASER BEAM DEVICE TO ASSURE PROPER LINE AND GRADE, UNLESS OTHERWISE DIRECTED.
28.	ALL MANHOLE AND INLET STRUCTURES SHALL BE MADE OF PRECAST CONCRETE, MEETING CITY STANDARDS, UNLESS OTHERWISE DIRECTED.
29.	ALL DIAGONAL AND BICYCLE SAFETY INLET GRATES SHALL BE MADE OF FABRICATED STEEL.
30.	ALL STORM SEWER STRUCTURES, THAT EXCEED 4 FEET IN DEPTH SHALL BE CONSTRUCTED WITH STEPS PER PENNDOT RC 34 AND 39.
31.	ALL EXISTING UTULTY LINES TO BE ABANDONED SHALL FITHER BE REMOVED. OR FILLED WITH SAND/SMALL STONE AND ADEQUATELY CAPPED/PLUGGED
33.	DEPTH OF EXISTING UTILITIES IN PORTIONS OF THE SITE ARE UNKNOWN. WHERE EXISITNG UTILITIES ARE TO REMAIN AND ARE FOUND TO HAVE INADEQUATE GROUND COVER AFTER FINAL PROPOSED GRADES HAVE BEEN ESTABLISHED, THE DESIGN ENGINEER SHALL BE CONTACTED IMMEDIALTELY AND PRIOR TO FURTHER CONSTRUCTION ACTIVITIES IN THE AREA OF SAID CONFLICT.
34.	ALL STORM SEWER SYSTEMS OUTSIDE OF THE ROADWAY CARTWAYS ARE TO BE OWNED AND MAINTAINED BY THE PHILADELPHIA WATER DEPARTMENT.
35.	ALL WATER AND SANITARY SEWER MAINS SHALL BE OWNED AND MAINTAINED BY THE PHILADELPHIA WAER DEPARTMENT. ALL WATER SERVICE AND SANITARY SEWER LATERALS SHALL BE OWNED AND MAINTAINED BY THE PHILADELPHIA WATER DEPARTMENT.
36.	ALL EXISTING METERS INSIDE METER CHAMBERS ARE TO BE CAREFULLY REMOVED, TRANSPORTED TO, AND UNLOADED AT THE CITY'S SEWER LINE MAINTENANCE YARD AT 112 UNION STREET. THE CHAMBERS SHALL BE REMOVED, CRUSHED AND DISPOSED OF IN ACCORDANCE WITH THE DEMOLITION PLAN NOTES.
37.	REFER TO THE SITE / RECORD PLAN FOR ADDITIONAL NOTES.
38.	SHOULD BE REPAIRED TO THE SATISFACTION OF THE PWD INSPECTOR OR REPLACED PER PWD STANDARDS.
39.	CONTACT MR. ERIK SMITH, PWD-WATER TRANSPORT RECORDS, 1101 MARKET STREET, 2ND FLOOR, PHONE (215) 685-6270, FOR ADDITIONAL APPROVALS AND PERMITS REQUIRED FOR ALL SEWER CONNECTIONS TO THE EXISTING AND/OR PROPOSED PWD FACILITIES.
GEN	IERAL CONSTRUCTION NOTES
1.	REFER TO PHILADELPHIA STREETS DEPARTMENT SUBMISSION PLANS FOR WORK WITHIN CITY RIGHT-OF-WAY (OUTSIDE OF PROPERTY LINE)
2.	LOCATIONS OF GAS AND ELECTRICAL ARE PROVIDED FOR REFERENCE. SEE MEP PLANS FOR DETAILED INFORMATION AND COORDINATE WITH UTILITY SURVEYORS.
3.	CONTRACTOR TO RELOCATE/REPLACE EXISTING INLETS AND HYDRANTS VIA PRIVATE COST SUBMISSION IF IMPACTED DUE TO CURB LINE CHANGE
4. F	LANDSCAPING SHALL NOT IMPACT EXISTING PWD INFRASTRUCTURE.
э.	CRAINE FOUTING LOCATION TO BE PROVIDED BY CONTRACTOR. NO CRANES SHALL BE PLACED WITHIN THE UTILITY RIGHT-OF-WAY

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dbHMS 1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612 LIGHTING DESIGN
The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644
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LEED CONSULTANT DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com
PROFESSIONAL ENGINEER EXPIRES 09-30-2023 JAMES C. GLEATON JR. ENGINEER PE053010E PE053010E SIGNATURE 04/14/2023 DATE
Image: Market
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS 5800 Chester Ave. Philadelphia, PA 19143
PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT: 30" X 42" DRAWN: JYL CHECKED: JG DATE: 04/07/2023
SHEET NAME: UTILITY NOTES
sheet number: C-451
PROJECT PHASE: CONSTRUCTION DOCUMENTS

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Chicago, IL 60654 v 312.915.0557 www.databasedplus.com
PROFESSIONAL ENGINEER EXPIRES 09-30-2023 PROFESSIONAL JAMES C. GLEATON JR. ENGINEER PE053010E PE053010E SIGNATURE 04/14/2023 DATE
3 04/07/2023 100% CD ISSUE 2 3/29/2023 PWD PCSM RESUBMISSION 1 1 1/12/2023 PWD PCSM SUBMISSION △ DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER
SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave. Philadelphia, PA 19143
PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT: 30" X 42"
DRAWN:JYLCHECKED:JGDATE:04/07/2023
SHEET NAME: UTILITY DETAILS
SHEET NUMBER: C-452
PROJECT PHASE: CONSTRUCTION DOCUMENTS

DIGSAU <u>CLIENT</u> REBUILD 1515 Arch Street Mezzanine Level Philadelphia, PA 19104 CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102 ARCHITECT DIGSAU 340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808 www.digsau.com CIVIL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 STRUCTURAL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 LANDSCAPE ARCHITEC Ground Reconsidered 230 South Broad Street Suite 604 Philadelphia, PA 19102 v 215.790.0727 www.groundreconsidered.com MEP/FP ENGINEER 1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612 LIGHTING DESIGN The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644 COST ESTIMATING Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103 v 610.554.6560 ENVIRONMENTAL CONSULTANT Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801 v 302.656.9600 www.brightfields.com LEED CONSULTANT DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com PROFESSIONAL ENGINEER EXPIRES 09-30-2023 REGISTEREL / PROFESSIONAL toms Alato JAMES C. GLEATON J SIGNATURE \ ENGINEER 04/14/2023 NPE053010E 04/07/2023 100% CD ISSUE 3/29/2023 PWD PCSM RESUBMISSION 1 1/12/2023 PWD PCSM SUBMISSION DATE: DESCRIPTION: FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING **IMPROVEMENTS** 5800 Chester Ave. Philadelphia, PA 19143 PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT 30" X 42" DRAWN: JYL CHECKED: JG DATE: 04/07/2023 SHEET NAME: **GRADING PLAN** SHEET NUMBER: **C-500**

PROJECT PHASE: CONSTRUCTION DOCUMENTS

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N W EAL
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PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT: 30" X 42"
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SHEET NAME: POST
CONSTRUCTION STORMWATER MANAGEMENT PLAN
SHEET NUMBER:
C-600

CONSTRUCTION DOCUMENTS

PRECONSTRUCTION MEETING. SCHEDULE AN INSPECTION (FOR EACH SMP).

4. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) FOR A FINAL INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.

REQUIRES TEMPORARY STABILIZATION.

OR B) AN

CHAPTER 105, SECTION 46A)

NECESSARY).

SUBSI a.	INSTALL AREAS FOR PROPOSED SUBSURFACE INFILTRATION BASIN 2 ACTIVITIES TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION. INSTALL CONSTRUCTION FENCING AROUND SUBSUF
b.	PROVIDE EROSION AND SEDIMENTATION CONTROL PROTECTION ON THE SITE SUCH THAT CONSTRUCTION RUNOFF IS DIRECTED AWAY FRO INFILTRATION SMP
c.	INFILTRATION AREAS MAY NOT BE USED AS SEDIMENT TRAPS DURING CONSTRUCTION, UNLESS AT LEAST THREE FEET OF SOIL ARE LEFT IN SERVING AS A SEDIMENT TRAP AND SUBSEQUENTLY REMOVED DURING CONSTRUCTION AFTER THE CONTRIBUTING DRAINAGE AREAS HAV
d.	COMPLETE SITE ELEVATION GRADING AND STABILIZE ALL DISTURBED SOIL. STABILIZATION OF DISTURBED AREAS MUST BE IMPLEMENTED E SUBSURFACE INFILTRATION SMP'S EXCAVATION AND CONSTRUCTION.
e.	EXCAVATE TWO FEET BELOW THE PROPOSED INFILTRATION BED INVERT ELEVATION.
f.	MANUALLY GRADE AND SCARIFY THE EXISTING SOIL SURFACE. THE BOTTOM OF THE INFILTRATION BED SHALL BE AT A LEVEL GRADE. THE E COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT.
g.	PLACE POLYPROPYLENE GEOTEXTILE FILTER FABRIC IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION IN ACCORDANCE WITH N AND RECOMMENDATIONS.
h.	AMEND IN-SITU SOIL IN ACCORDANCE WITH THE SMP DETAILS WITHIN THE PCSM PLANS. THE PROJECT GEOTECHNICAL ENGINEER SHOULD INSTALLATION OF SOIL AMENDMENTS.
i.	PLACE TWO FEET OF AMENDED SOIL ACROSS THE ENTIRE CROSS-SECTION OF THE INFILTRATION BED. LIGHTLY COMPACT EACH LAYER WITH EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM.
j.	PERFORM INFILTRATION TESTING OF THE AMENDED SOIL LAYER. A MINIMUM OF THREE INFILTRATION TESTS MUST BE PERFORMED WITHI PROCEDURE USED MUST BE THE DOUBLE-RING INFILTROMETER TEST, SOIL SAMPLING AND CHARACTERIZATION ARE ALSO REQUIRED, AND WITH THE CURRENT PHILADELPHIA STORMWATER MANAGEMENT GUIDANCE MANUAL. PRIOR TO INFILTRATION TESTING, PWD MUST BE SCHEDULE AN OBSERVATION. THE ENGINEER MUST PROVIDE A SIGNED AND SEALED GEOTECHNICAL REPORT. ALL INFORMATION MUST BE AND APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION. IF SOIL AMENDMENTS ARE INSTALLED, AND THE TESTED INFILTRATION RATE THE PWD ALLOWABLE RANGE OF 0.4 TO TEN INCHES PER HOUR OR VARIES SIGNIFICANTLY FROM THE DESIGN INFILTRATION RATE, ADDITIO A SYSTEM REDESIGN WILL BE REQUIRED. ONCE THE INFILTRATION TEST RESULTS ARE REVIEWED AND DETERMINED BY PWD TO BE ACCEPT, INSTALLATION OF THE INFILTRATION PRACTICE.
k.	SOIL AMENDMENTS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION PRIOR TO THE PLACEMENT OF POLYPROPYLEN
I.	PLACE POLYPROPYLENE GEOTEXTILE AND INFILTRATION BED AGGREGATE IMMEDIATELY AFTER APPROVAL OF SOIL AMENDMENT PREPARA ACCUMULATION OF DEBRIS AND SEDIMENT. PREVENT RUNOFF AND SEDIMENT FROM ENTERING THE STORAGE BED DURING THE PLACEME AGGREGATE BED.
m.	PLACE POLYPROPYLENE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS (A MINIMUM OF 16 INCHES. FABRIC SHALL BE SECURED AT LEAST FOUR FEET OUTSIDE OF BED.
n.	INSTALL AGGREGATE COURSE IN LIFTS OF SIX TO EIGHT INCHES. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING EQUIPMENT BED SUBGRADES TO A MINIMUM.
0.	INSTALL HDPE PIPES, MANIFORDS, AND GRAVEL. INSPECT FOR IRREGULARITIES AND CONFIRM FINAL POLYPROPYLEN3 GEOTEXTILE FABRIC A STRUCTURES (E.G., PIPES, ARCHES, CRATES, ETC.) DURING STONE BED PLACEMENT. INSTALL AGGREGATE TO GRADES INDICATED ON THE D
p.	COMPLETE SURFACE GRADING ABOVE SUBSURFACE INFILTRATION SYSTEM, USING SUITABLE EQUIPMENT TO AVOID EXCESS COMPACTION.

CONSTRUCTION SCHEDULE AND PROCEDURE FOR IMPLEMENTATION OF SOIL

EROSION AND SEDIMENT CONTROL MEASURES:

L. AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE A

2. AT LEAST THREE (3) DAYS PRIOR TO (UNDERGROUND INFILTRATION SYSTEM) INSTALLATION, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO

3. ALL STONE THAT MAKES UP THE (UNDERGROUND DETENTION SYSTEM) MUST REMAIN FREE OF SEDIMENT. IF SEDIMENT ENTERS THE STONE, THE CONTRACTOR MAY BE REQUIRED TO REMOVE THE SEDIMENT AND REPLACE IT WITH CLEAN-WASHED STONE.

5. AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED. CESSATION OF ACTIVITY FOR FOUR (4) DAYS OR LONGER

6. THE NPDES NOTICE OF TERMINATION (N.O.T.) MUST BE SUBMITTED TO PA DEP UPON COMPLETION OF CONSTRUCTION (WHEN APPLICABLE).

7. WATER PUMPED FROM WORK AREAS SHOULD BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A PWD INFRASTRUCTURE

8. (1) CONTAMINATED SOIL SHALL BE DISPOSED OF AT EITHER A) AN APPROVED DISPOSAL FACILITY WITH AN APPROVED AND CURRENT PADEP SOIL WASTE MANAGEMENT PERMIT,

9. APPROVED LANDFILL (TYPICALLY DISPOSAL AT A LANDFILL DOES NOT REQUIRE A WASTE PERMIT), AND (2) "WASTE MATERIALS, SCRAP OR EXCESS CONSTRUCTION MATERIALS SHALL BE COLLECTED, STORED AND DISPOSED OF IN ACCORDANCE WITH THE SOLID WASTE MANAGEMENT ACT (35 P. S. § § 6018.101-6018.1003), THE MUNICIPAL WASTE PLANNING, RECYCLING AND WASTE REDUCTION ACT (53 P. S. § § 4000.101-4000.1904), THE CLEAN STREAMS LAW (35 P. S. § § 691.1-691.1001) AND RELATED RULES AND REGULATIONS. (TITLE 25,

10. TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION, AREAS FOR PROPOSED INFILTRATION STORMWATER MANAGEMENT PRACTICES (SMPS) MUST BE PHYSICALLY STAKED BEFORE ANY SITE WORK BEGINS. IF THESE AREAS ARE COMPACTED DURING CONSTRUCTION, ADDITIONAL INFILTRATION TESTING WILL BE REQUIRED. THE INFILTRATION TESTING PROCEDURE MUST BE IN COMPLIANCE WITH THE CURRENT PHILADELPHIA STORMWATER MANAGEMENT GUIDANCE MANUAL. A MINIMUM OF TWO INFILTRATION TESTS MUST BE PERFORMED AT THE BOTTOM ELEVATION OF EACH SMP. THE ENGINEER MUST PROVIDE A SIGNED AND SEALED INFILTRATION TESTING REPORT, INCLUDING A TESTING LOCATION PLAN AND SUMMARY OF RESULTS. ALL INFORMATION MUST BE SUBMITTED TO PWD FOR REVIEW AND APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION. IF INFILTRATION TESTING FAILS TO MEET PWD MINIMUM STANDARDS OR IF UNSUITABLE CONDITIONS FOR INFILTRATION ARE ENCOUNTERED, A SYSTEM REDESIGN WILL BE REQUIRED.

11. INSTALL CONSTRUCTION ENTRANCE RUMBLE PAD, SILT FENCE, COMPOST FILTER SOCK, AND BARRICADES.

12. DEMOLISH EXISTING STRUCTURES ON SITE AND REMOVE EXISTING PAVEMENT.

13. CLEAR AND ESTABLISH ROUGH GRADES AS NECESSARY TO ESTABLISH SITE DRAINAGE PATTERNS, INSTALL COMPOST FILTER SOCK AT NEWLY CONSTRUCTED ENTRANCES (AS

14. CONSTRUCT STORMWATER SYSTEM FROM DOWNSTREAM TO UPSTREAM (EXCLUDING ROOF DRAINS), INSTALLING FILTER BAGS IN ALL SURROUNDING EXISTING INLETS. a. INSTALL, OUTLET PIPE, & OUTLET STRUCTURE. INSPECT FOR IRREGULARITIES AND CONFIRM WITH E.O.R. THAT CONSTRUCTED ELEMENT ARE ACCEPTABLE.

> * THESE STEPS ARE CRITICAL BMP STAGES* LICENSED PROFESSIONAL TO OVERSEE INSTALLATION OF THESE STEPS NFILTRATION BASIN-1 & INFILTRATION BASIN 2

FOR PROPOSED SUBSURFACE INFILTRATION SMPS MUST BE PHYSICALLY MARKED AS HEAVY EQUIPMENT EXCLUSION ZONES PRIOR TO ANY LAND-DISTURBING IES TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION. INSTALL CONSTRUCTION FENCING AROUND SUBSURFACE INFILTRATION AREAS. E EROSION AND SEDIMENTATION CONTROL PROTECTION ON THE SITE SUCH THAT CONSTRUCTION RUNOFF IS DIRECTED AWAY FROM THE PROPOSED SUBSURFACE

ATION AREAS MAY NOT BE USED AS SEDIMENT TRAPS DURING CONSTRUCTION, UNLESS AT LEAST THREE FEET OF SOIL ARE LEFT IN PLACE WHILE THE AREA IS G AS A SEDIMENT TRAP AND SUBSEQUENTLY REMOVED DURING CONSTRUCTION AFTER THE CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.

ETE SITE ELEVATION GRADING AND STABILIZE ALL DISTURBED SOIL. STABILIZATION OF DISTURBED AREAS MUST BE IMPLEMENTED BEFORE FINALIZING THE RFACE INFILTRATION SMP'S EXCAVATION AND CONSTRUCTION.

LLY GRADE AND SCARIFY THE EXISTING SOIL SURFACE. THE BOTTOM OF THE INFILTRATION BED SHALL BE AT A LEVEL GRADE. THE EXISTING SUBGRADE SHALL NOT BE CTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT.

OLYPROPYLENE GEOTEXTILE FILTER FABRIC IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION IN ACCORDANCE WITH MANUFACTURER'S STANDARDS COMMENDATIONS.

) IN-SITU SOIL IN ACCORDANCE WITH THE SMP DETAILS WITHIN THE PCSM PLANS. THE PROJECT GEOTECHNICAL ENGINEER SHOULD BE ON-SITE TO OBSERVE ATION OF SOIL AMENDMENTS.

WO FEET OF AMENDED SOIL ACROSS THE ENTIRE CROSS-SECTION OF THE INFILTRATION BED. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING IENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM.

IM INFILTRATION TESTING OF THE AMENDED SOIL LAYER. A MINIMUM OF THREE INFILTRATION TESTS MUST BE PERFORMED WITHIN THE AMENDED SOIL LAYER. THE URE USED MUST BE THE DOUBLE-RING INFILTROMETER TEST, SOIL SAMPLING AND CHARACTERIZATION ARE ALSO REQUIRED, AND ALL MUST BE IN COMPLIANCE HE CURRENT PHILADELPHIA STORMWATER MANAGEMENT GUIDANCE MANUAL. PRIOR TO INFILTRATION TESTING, PWD MUST BE CALLED (OFFICE: 215-685-6387) TO JLE AN OBSERVATION. THE ENGINEER MUST PROVIDE A SIGNED AND SEALED GEOTECHNICAL REPORT. ALL INFORMATION MUST BE SUBMITTED TO PWD FOR REVIEW PROVAL BEFORE PROCEEDING WITH CONSTRUCTION. IF SOIL AMENDMENTS ARE INSTALLED, AND THE TESTED INFILTRATION RATE IS DETERMINED TO BE OUTSIDE OF /D ALLOWABLE RANGE OF 0.4 TO TEN INCHES PER HOUR OR VARIES SIGNIFICANTLY FROM THE DESIGN INFILTRATION RATE, ADDITIONAL SOIL AMENDMENTS AND/OR M REDESIGN WILL BE REQUIRED. ONCE THE INFILTRATION TEST RESULTS ARE REVIEWED AND DETERMINED BY PWD TO BE ACCEPTABLE, PROCEED WITH ATION OF THE INFILTRATION PRACTICE.

VENDMENTS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION PRIOR TO THE PLACEMENT OF POLYPROPYLENE GEOTEXTILE AND STONE BED. OLYPROPYLENE GEOTEXTILE AND INFILTRATION BED AGGREGATE IMMEDIATELY AFTER APPROVAL OF SOIL AMENDMENT PREPARATION TO PREVENT

IULATION OF DEBRIS AND SEDIMENT. PREVENT RUNOFF AND SEDIMENT FROM ENTERING THE STORAGE BED DURING THE PLACEMENT OF THE GEOTEXTILE AND GATE BED. POLYPROPYLENE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS OF FILTER FABRIC SHALL OVERLAP

MUM OF 16 INCHES. FABRIC SHALL BE SECURED AT LEAST FOUR FEET OUTSIDE OF BED. AGGREGATE COURSE IN LIFTS OF SIX TO EIGHT INCHES. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE

HDPE PIPES, MANIFORDS, AND GRAVEL. INSPECT FOR IRREGULARITIES AND CONFIRM FINAL POLYPROPYLEN3 GEOTEXTILE FABRIC AND BACKFILL. STORAGE URES (E.G., PIPES, ARCHES, CRATES, ETC.) DURING STONE BED PLACEMENT. INSTALL AGGREGATE TO GRADES INDICATED ON THE DRAWINGS.

NOTE 1: PROPOSED POLYPROPYLENE GEOTEXTILE BEING USED FOR SMP BASINS MEETS THE FOLLOWING REQUIREMENTS (AASHTO CLASS I OR II): A. GRAB TENSILE STRENGTH (ASTM-D4632): ≥ 120 LBS B. MULLEN BURST STRENGTH (ASTM-D3786): ≥ 225 PSI

FLOW RATE (ASTM-D4491): ≥ 95 GAL/MIN/FT^2 D. UV RESISTANCE AFTER 500 HRD (ASTM-D4355): ≥ 70%

HEAT-SET OR HEAT CALENDARED FABRICS ARE NOT PERMITTED

OPERATION & MAINTENANCE

1. MAINTAINING A CLEAN AND OBSTRUCTION-FREE SYSTEM IS ESSENTIAL TO ENSURING THE SYSTEM PERFORMS AS DESIGNED. BUILDUP OF DEBRIS CAN LIMIT THE CAPACITY, REDUCE EFFECTIVENESS, OR COMPLETE FAILURE OF THE SYSTEM.

2. INITIAL SYSTEM INSPECTION

AN INITIAL INSPECTION SHOULD BE PERFORMED BEFORE THE SYSTEM IS PUT INTO OPERATION. THE INSPECTION SHOULD BE RECORDED AND AN INSPECTION AND MAINTENANCE LOG BOOK CREATED AT THIS TIME. THE MAINTENANCE AND INSPECTION LOG SHEET SHOULD BE A LAYOUT OF THE SYSTEM WITH THE INVERT ELEVATIONS AT ALL THE RISER AND CLEANOUT LOCATIONS, PRIOR TO SEDIMENT ACCUMULATION. INITIAL MEASUREMENTS CAN BE TAKEN WITH A LARGE STICK OR PIECE OF STRING WITH A FLAT WEIGHT ON THE END. THESE MEASUREMENTS WILL ALLOW FOR INSPECTION MEASUREMENTS TO BEING TAKEN FROM OUTSIDE OF THE SYSTEM, ELIMINATING THE NEED FOR MANNED ENTRANCE.

3. INSPECTION FREQUENCY

INSPECTION FREQUENCY WILL VARY BASED ON THE SYSTEM DESIGN AND REQUIREMENTS. A SYSTEM INSPECTION SCHEDULE SHOULD BE DEVELOPED FOR EACH INDIVIDUAL SYSTEM, WITH THE INDUSTRY STANDARD BEING A MINIMUM OF ONCE PER YEAR. AFTER THE INSPECTION SCHEDULE IS ESTABLISHED FOR THE SYSTEM, IT SHOULD BE TRACKED ON THE INSPECTION AND MAINTENANCE LOG SHEET.

4. DURING THE FIRST YEAR OF OPERATION, MORE FREQUENT INSPECTIONS SHOULD BE DONE, DUE TO CONSTRUCTION ACTIVITIES. CONSTRUCTION SEDIMENT AND DEBRIS LOADING CAN BE MINIMIZED IF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PLAN FOR THE CONSTRUCTION SITE IS FOLLOWED. AFTER THE FIRST YEAR OF OPERATION THE RATE AT WHICH THE RETENTION OR SYSTEM COLLECTS SOIL/POLLUTANTS WILL BE HEAVILY DEPENDENT ON THE SITE ACTIVITIES. DURING WINTER MONTHS, IN GEOGRAPHICAL AREAS WHERE SAND IS APPLIED TO ROAD SURFACE, SYSTEMS MAY SEE INCREASED SEDIMENT LOADING. OTHER INCREASED LOADING AREAS ARE PRESENT WITH VEHICLE OR EQUIPMENT WASH-DOWN AREAS.

5. DURING INSPECTIONS. ELEVATIONS OF SEDIMENT HEIGHT SHOULD BE TAKEN FROM EACH RISER AND CLEANOUT. THESE ELEVATIONS SHOULD BE RECORDED ON THE INSPECTION AND MAINTENANCE LOG SHEET. ALSO DURING THE INSPECTION. PERSONNEL SHOULD BE LOOKING FOR BLOCKAGES TO INLET OR OUTLET STUBS. INSPECTION OF THE PRE-TREATMENT UNIT UPSTREAM OF THE SYSTEM SHOULD ALWAYS BE INSPECTED AT THIS SAME TIME. REFER TO THE MANUFACTURER'S RECOMMENDATIONS FOR INSPECTING AND MAINTAINING THE PRE-TREATMENT UNIT.

SITE HOUSEKEEPING AND MATERIALS MANAGEMENT

WASTE MANAGEMENT - BUILDING MATERIALS AND OTHER CONSTRUCTION SITES MUST BE PROPERLY MANAGE DISPOSED OF TO REDUCE POTENTIAL FOR POLLUTION TO SURFACE AND GROUND WATERS PER 25 PA CODE 102.4(B)(5)(XI). PROPER TRASH DISPOSAL, RECYCLING OF MATERIALS, PROPER MATERIALS HANDLING, AND SPILLED PREVENTION AND CLEAN-UP REDUCE THE POTENTIAL FOR CONSTRUCTION WASTES TO BE MOBILIZED BY STORMWATER RUNOFF AND CONVEYED TO SURFACE WATERS.

UNDER NO CIRCUMSTANCE MAY EROSION CONTROL BMPS BE USED FOR TEMPORARY STORAGE OF DEMOLITION

MATERIALS OR CONSTRUCTION WASTES. ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS MUST BE FOLLOWED IN THE USE,

HANDLING, AND DISPOSAL OF POTENTIAL HAZARDOUS MATERIALS

SUBSURFACE INFILTRATION MAINTENANCE GUIDELINES	
EARLY MAINTENANCE ACTIVITY	FREQUENCY
INSPECT EROSION CONTROL AND FLOW SPREADING DEVICES UNTIL SOIL SETTLEMENT AND VEGETATIVE ESTABLISHMENT OF CONTRIBUTING AREAS HAS OCCURRED.	BI-WEEKLY
INSPECT INLET CONTROLS, OUTLET STRUCTURES, AND STORAGE AREAS FOR TRASH AND SEDIMENT ACCUMULATION.	MONTHLY FOR THE FIRST YEAR AFTER INSTALLATION TO DETERMINE ONGOING MAINTENANCE FREQUENCY.
ONGOING MAINTENANCE ACTIVITY	FREQUENCY
REGULARLY CLEAN OUT GUTTERS AND CATCH BASINS TO REDUCE SEDIMENT LOAD TO INFILTRATION SMP. CLEAN INTERMEDIATE SUMP BOXES, REPLACE FILTERS, AND OTHERWISE CLEAN PRETREATMENT AREAS IN DIRECTLY CONNECTED SYSTEMS.	AS NEEDED
REMOVE SEDIMENT AND DEBRIS FROM SUBSURFACE INFILTRATION SMP SEDIMENTATION CHAMBER, AS APPLICABLE, WHEN THE SEDIMENT ZONE IS 3/4 FULL.	AS NEEDED
REMOVE SEDIMENT AND DEBRIS FROM PIPE/VAULT SYSTEMS. SEDIMENT DEPTH IS NOT TO REACH A MAXIMUM DEPTH OF FOUR INCHES BELOW THE SMP'S OUTLET INVERT ELEVATION. REMOVAL OF SEDIMENT FROM GRID SYSTEMS MUST BE PER MANUFACTURER'S RECOMMENDATIONS OR AS PER THE SITE-SPECIFIC MAINTENANCE PLAN.	AS NEEDED
INSPECT SUBSURFACE INFILTRATION FACILITY AND CONTROL STRUCTURES.	QUARTERLY
REMOVE FLOATING DEBRIS AND ACCUMULATED PETROLEUM PRODUCTS.	QUARTERLY
EVALUATE THE DRAIN DOWN TIME OF THE SMP AFTER A STORM OF AT LEAST ONE INCH TO ENSURE A SMP DRAIN DOWN TIME OF LESS THAN 72 HOURS.	ONGOING
MAINTAIN RECORDS OF ALL INSPECTIONS AND MAINTENANCE ACTIVITY.	ONGOING

SOIL AMENDMENT: SEQUENCE OF CONSTRUCTION

A.EXCAVATE TWO FEET BELOW THE PROPOSED INFILTRATION BED INVERT ELEVATION.

- B. MANUALLY GRADE AND SCARIFY THE EXISTING SOIL SURFACE. THE BOTTOM OF THE INFILTRATION BED SHALL BE AT A LEVEL GRADE. THE EXISTING SUBGRADE SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT.
- C. PLACE GEOTEXTILE FILTER FABRIC IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. D. AMEND IN-SITU SOIL. SOIL AMENDMENT MEDIA CAN INCLUDE COMPOST, MULCH, MANURES, SAND, AND MANUFACTURED MICROBIAL SOLUTIONS. AMENDED SOIL
- LAYER TO MEET MAXIMUM INFILTRATION RATE OF 10 IN/HR] THE PROJECT GEOTECHNICAL ENGINEER SHOULD BE ON-SITE TO OBSERVE INSTALLATION OF SOIL AMENDMENTS. E. PLACE TWO FEET OF AMENDED SOIL ACROSS THE ENTIRE CROSS-SECTION OF THE INFILTRATION BED. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING
- EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM. F. PERFORM INFILTRATION TESTING OF THE AMENDED SOIL LAYER. A MINIMUM OF THREE INFILTRATION TESTS MUST BE PERFORMED WITHIN THE AMENDED SOIL LAYER.

THE PROCEDURE USED MUST BE THE DOUBLE-RING INFILTROMETER TEST, SOIL SAMPLING AND CHARACTERIZATION ARE ALSO REQUIRED, AND ALL MUST BE IN COMPLIANCE WITH THE CURRENT PHILADELPHIA STORMWATER MANAGEMENT GUIDANCE MANUAL. PRIOR TO INFILTRATION TESTING, PWD MUST BE CALLED (OFFICE: 215-685-6387) TO SCHEDULE AN OBSERVATION. THE ENGINEER MUST PROVIDE A SIGNED AND SEALED GEOTECHNICAL REPORT. ALL INFORMATION MUST BE SUBMITTED TO PWD FOR REVIEW AND APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION. IF SOIL AMENDMENTS ARE INSTALLED, AND THE TESTED INFILTRATION RATE IS DETERMINED TO BE OUTSIDE OF THE PWD ALLOWABLE RANGE OF 0.4 TO TEN INCHES PER HOUR OR VARIES SIGNIFICANTLY FROM THE DESIGN INFILTRATION RATE, ADDITIONAL SOIL AMENDMENTS AND/OR A SYSTEM REDESIGN WILL BE REQUIRED. ONCE THE INFILTRATION TEST RESULTS ARE REVIEWED AND DETERMINED BY PWD TO BE ACCEPTABLE, PROCEED WITH INSTALLATION OF THE INFILTRATION PRACTICE.

G.SOIL AMENDMENTS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION PRIOR TO THE PLACEMENT OF GEOTEXTILE AND STONE BED.

- H.PLACE GEOTEXTILE AND INFILTRATION BED AGGREGATE IMMEDIATELY AFTER APPROVAL OF SOIL AMENDMENT PREPARATION TO PREVENT ACCUMULATION OF DEBRIS AND SEDIMENT. PREVENT RUNOFF AND SEDIMENT FROM ENTERING THE STORAGE BED DURING THE PLACEMENT OF THE GEOTEXTILE AND AGGREGATE BED. I. PLACE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF 16 INCHES. FABRIC SHALL BE SECURED AT LEAST FOUR FEET OUTSIDE OF BED.
- J. INSTALL AGGREGATE COURSE IN LIFTS OF SIX TO EIGHT INCHES. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM. IF PROPOSED, INSTALL STORAGE STRUCTURES (E.G., PIPES, ARCHES, CRATES, ETC.) DURING STONE BED PLACEMENT. INSTALL AGGREGATE TO GRADES INDICATED ON THE DRAWINGS.

K. COMPLETE SURFACE GRADING ABOVE SUBSURFACE INFILTRATION SYSTEM, USING SUITABLE EQUIPMENT TO AVOID EXCESS COMPACTION.

Digsau
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ARCHITECT DIGSAU 340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808 www.digsau.com <u>CIVIL ENGINEER</u>
David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 STRUCTURAL ENGINEER David Mason & Associates 123 S. Broad St
Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 <u>LANDSCAPE ARCHITECT</u> Ground Reconsidered 230 South Broad Street Suite 604
Philadelphia, PA 19102 v 215.790.0727 www.groundreconsidered.com <u>MEP/FP ENGINEER</u> dbHMS 1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267 217 1612
LIGHTING DESIGN The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644 <u>COST ESTIMATING</u>
Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103 v 610.554.6560 ENVIRONMENTAL CONSULTANT Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801
v 302.656.9600 www.brightfields.com <u>LEED CONSULTANT</u> DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com
PROFESSIONAL ENGINEER PROFESSIONAL PROFESSIONAL PROFESSIONAL PROFESSIONAL PROFESSIONAL PROFESSIONAL ENGINEER EXPIRES 09–30–2023 Johns Johns SIGNATURE 04/14/2023 DATE
3 04/07/2023 100% CD ISSUE 2 3/29/2023 PWD PCSM RESUBMISSION 1 1 1/12/2023 PWD PCSM SUBMISSION △ DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS 5800 Chester Ave. Philadelphia, PA 19143
PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT: 30" X 42" DRAWN: JYL CHECKED: JG DATE: 04/07/2023
SHEET NAME: POST CONSTRUCTION STORMWATER MANAGEMENT NOTES
SHEET NUMBER: C-651
PROJECT PHASE: CONSTRUCTION DOCUMENTS

APPROVAL STAMP AREA

C652 NTS

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SHEET NUMBER: C-652										
PROJECT PHASE: CONSTRUCTION DOCUMENTS										

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Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 LANDSCAPE ARCHITECT Ground Reconsidered
230 South Broad Street Suite 604 Philadelphia, PA 19102 v 215.790.0727 www.groundreconsidered.com MEP/FP ENGINEER
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The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644
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POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 2
SHEET NUMBER:
PROJECT PHASE: CONSTRUCTION DOCUMENTS

- 1. IT IS CUSTOMERS RESPONSIBILITY TO ENSURE THAT EACH PRODUCT IS FIT FOR ITS INTENDED PURPOSE AND THAT THE ACTUAL CONDITIONS ARE SUITABLE.
- 2. IT IS THE CUSTOMERS RESPONSIBILITY TO FOLLOW ACO, INC. INSTALLATION INSTRUCTIONS FOR EACH PRODUCT. SEEK ENGINEERING ADVICE FOR INSTALLATIONS NOT ILLUSTRATED IN THE INSTALLATION GUIDELINES.
- 3. FOR FURTHER PRODUCT INFORMATION, CUT SHEETS, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS, PLEASE VISIT US AT OUR WEBSITE: ACOSTORMBRIXX.US

STORMBRIXX NOTES

- 1. ALL FABRICATIONS TO BE COMPLETED BY INSTALLING CONTRACTOR. HE/SHE TO VERIFY THE ENTIRE SCOPE OF STORMBRIXX HD HAS BEEN PROVIDED FOR THIS PROJECT.
- 2. DIMENSIONS ARE FROM OUTSIDE TO OUTSIDE.
- 3. LAYOUT IS BASED ON SHEET C-600 PROVIDED TO THE ACO, INC. TECHNICAL SERVICES DEPARTMENT.
- 4. THIS PLAN VIEW REPRESENT ONE OF TWO STORMBRIXX HD HALF LAYER ORIENTATIONS REQUIRED FOR THIS TANK. FOR COMPLETE, BRICK -BONDABLE INSTALLATION DRAWINGS, PLEASE REQUEST THIS SERVICE FROM THE ACO, INC. SALES DEPARTMENT.
- 5. THE NUMBER OF ACCESS/INSPECTION LOCATIONS DISPLAYED ARE RECOMMENDATIONS, AND MORE/LESS CAN BE ADDED WITH EASE VIA REVISION.
- 6. ACCESS UNITS OCCUPY A PROFILE EQUIVALENT TO HALF OF ON HALF MODULE AND ALLOW FOR DIRECT ACCESS TO UP 18" PIPE
- 7. ACCESS PLATES OCCUPY THE EQUIVALENT PROFILE OF HALF OF ONE HALF MODULE AND MUST BE SURROUNDED BY BRICK BONDED
- 8. HOLDING CAPACITY OF ONE FULLY ASSEMBLED STORMBRIXX HD MODULE = 14.73 CF

INSTALLATION NOTES

- 1. ALL FABRICATIONS TO BE COMPLETED BY INSTALLING
- 2. EXCAVATE AWAY FROM TANK'S PROFILE PER OSHA
- 3. UP TO 15" PIPE CONNECTIONS CAN BE CORED DIRECTLY
- MOVEMENT BETWEEN BRICK-BONDED LAYERS/HALF LAYERS.
- BRICK-BONDED HALF MODULES. 6. A VOID AREA EQUIVALENT TO HALF (

ACCESS UNITS TO										
	FRANCIS J. I	MYERS REC CENTER	NOTES							
	PHILA	ADELPHIA, PA	SYST	EM HD	LAY					
OF ONE HALF MODULE	DRAWN BY:	EMAIL:			REVISIONS					
LATE.	AA	Aaron.Adrovet@aco.com	NO.	DESCRIPTION						
	DATE	CHECKED BY:		-						
	SHEET NO. SHEET 1 OF 3	1230033C	Â							

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SHEET NAME: POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 3									
SHEET NUMBER: C-654 PROJECT PHASE:									

- 2. EXCAVATE AWAY FROM TANK'S PROFILE PER OSHA

- LAYERS.
- BRICK-BONDED HALF MODULES.

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SHEET NAME: POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 4									
SHEET NUMBER: C-655									
PROJECT PHASE: CONSTRUCTION DOCUMENTS									

Note	Project:	Francis J. Myers Recreation Center - Redevelopment														10 Year				
Weak Substraint <td>Job #</td> <td colspan="14">2020297-00 Design Storm Intensity =</td> <td>6.96</td> <td colspan="4">6</td>	Job #	2020297-00 Design Storm Intensity =														6.96	6			
n n	System:	Stormwater Network Pipe	e Schedule																	
Image Image <t< td=""><td>By:</td><td>JYL</td><td></td><td></td><td></td><td>Date:</td><td>02/15/23</td><td></td><td></td><td></td><td></td><td></td><td></td><td>LU-TEAR STC</td><td></td><td>10113</td></t<>	By:	JYL				Date:	02/15/23							LU-TEAR STC		10113				
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here Control Outling	ID	MH	Elevation	Elevation	MH	Elevation IN	Elevation IN	Area	Area	Conc.	Runoff	" "	Q10	Mannings	Material	Length	Size	Grade	Velocity	Capacity
PiceloPice	No.	From	OUT (ft.)	OUT (ft.)	То	(ft.)	(†t.)	(acres)	(acres)	(min)	"C"	(în/hr)	(cts)	"n"		(ft.)	(in.)	(ft./ft.)	(tps)	(cts)
Image Image <th< td=""><td>Pipe 100</td><td>Inlet 1</td><td>78.59</td><td>76.17</td><td>MH 150</td><td>79.9</td><td>75.77</td><td>0.26</td><td>0.26</td><td>6.00</td><td>0.75</td><td>6.96</td><td>1.36</td><td>0.012</td><td>DIP</td><td>40.00</td><td>12</td><td>1.00%</td><td>4.93</td><td>3.87</td></th<>	Pipe 100	Inlet 1	78.59	76.17	MH 150	79.9	75.77	0.26	0.26	6.00	0.75	6.96	1.36	0.012	DIP	40.00	12	1.00%	4.93	3.87
ImplesImpl	Pipe 101	MH 150	79.9	75.77	MH 151	78.8	75.17							0.012	DIP	60.00	12	1.00%	4.93	3.87
Free conditional (Free conditional)Free conditional)Free conditional (Free conditional)Fr	Pipe 102	MH 151	78.8	75.17	Basin 001 (IN)	80.37	74.50							0.012	DIP	67.00	12	1.00%	4.93	3.87
Pipe For Pipe Ori	Pipe 200	Inlet 2	79.6	74.56	Basin 001 (IN)	80.37	74.50	0.19	0.19	6.00	0.78	6.96	1.04	0.012	DIP	6.00	12	1.00%	4.93	3.87
EX URX buiker Size Main Missi Mission Mission <t< td=""><td>Pipe B-001</td><td>Basin 001 (Outlet)</td><td>80.37</td><td>74.40</td><td>Pipe 001</td><td>79.95</td><td>74.18</td><td>See SW F</td><td>Report for Pon</td><td>dpack Calcula</td><td>tions, 10 Yr</td><td>Peak:</td><td>1.20</td><td>0.012</td><td>DIP</td><td>12.00</td><td>12</td><td>1.83%</td><td>6.67</td><td>5.24</td></t<>	Pipe B-001	Basin 001 (Outlet)	80.37	74.40	Pipe 001	79.95	74.18	See SW F	Report for Pon	dpack Calcula	tions, 10 Yr	Peak:	1.20	0.012	DIP	12.00	12	1.83%	6.67	5.24
CRemont Bits? Dits Dits <td>EX-01</td> <td>EX Building</td> <td>82.42</td> <td>74.12</td> <td>Cleanout</td> <td>81.87</td> <td>73.77</td> <td>0.20</td> <td>0.20</td> <td>6.00</td> <td>0.95</td> <td>6.96</td> <td>1.32</td> <td>0.012</td> <td>DIP</td> <td>70.00</td> <td>12</td> <td>0.50%</td> <td>3.48</td> <td>2.74</td>	EX-01	EX Building	82.42	74.12	Cleanout	81.87	73.77	0.20	0.20	6.00	0.95	6.96	1.32	0.012	DIP	70.00	12	0.50%	3.48	2.74
Pipe 20 Inter3 92.0 MH 300 93 01.1 01.0 6.00 0.90 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.01 0.00	EX-02	Cleanout	81.87	73.77	MH 051	78.7	73.29						1.32	0.012	DIP	96.00	12	0.50%	3.48	2.74
Pipe 30 Miels 73.19 Pipe 302 73.12 Mod 1.5 6.00 9.8 1.06 0.01 8.8 1.00 8.7 1.31 Pipe 30 MH350 mild 30 7.80 </td <td>Pipe 300</td> <td>RD-1, 2, & 3</td> <td>82.45</td> <td>79.06</td> <td>MH 350</td> <td>80</td> <td>73.53</td> <td>0.14</td> <td>0.14</td> <td>6.00</td> <td>0.95</td> <td>6.96</td> <td>0.92</td> <td>0.012</td> <td>DIP</td> <td>22.00</td> <td>8</td> <td>1.00%</td> <td>3.76</td> <td>1.31</td>	Pipe 300	RD-1, 2, & 3	82.45	79.06	MH 350	80	73.53	0.14	0.14	6.00	0.95	6.96	0.92	0.012	DIP	22.00	8	1.00%	3.76	1.31
Pice 30 MH 50 (n0 4 shind) 78.0 7.00 <t< td=""><td>Pipe 302</td><td>Inlet 3</td><td>79.65</td><td>73.1852</td><td>Pipe 302</td><td>79.6</td><td>73.1252</td><td>0.02</td><td>0.15</td><td>6.00</td><td>0.98</td><td>6.96</td><td>1.06</td><td>0.012</td><td>DIP</td><td>6.00</td><td>8</td><td>1.00%</td><td>3.76</td><td>1.31</td></t<>	Pipe 302	Inlet 3	79.65	73.1852	Pipe 302	79.6	73.1252	0.02	0.15	6.00	0.98	6.96	1.06	0.012	DIP	6.00	8	1.00%	3.76	1.31
Pipe 33OM1 S17.8.67.8.68.8.90.009.8.07.8.0 <t< td=""><td>Pipe 301</td><td>MH350 (RD-4 & Inlet 3)</td><td>80</td><td>73.53</td><td>MH 351</td><td>78.86</td><td>73.03</td><td>0.06</td><td>0.06</td><td>6.00</td><td>0.95</td><td>6.96</td><td>2.34</td><td>0.012</td><td>DIP</td><td>50.00</td><td>12</td><td>1.00%</td><td>4.93</td><td>3.87</td></t<>	Pipe 301	MH350 (RD-4 & Inlet 3)	80	73.53	MH 351	78.86	73.03	0.06	0.06	6.00	0.95	6.96	2.34	0.012	DIP	50.00	12	1.00%	4.93	3.87
Physes0MH secSola<	Pipe 303	MH 351	78.86	73.03	Basin 002 (IN)	78.00	72.5						2.34	0.012	DIP	53.00	12	1.00%	4.93	3.87
Phe 501MH 50080.0075.30MH 45180.2574.7274.7076.70	Pipe 500	Inlet 6	80.68	76.2	MH 550	80.40	75.38	0.09	0.09	6.00	0.80	6.96	0.51	0.012	DIP	82.00	12	1.00%	4.93	3.87
Pipe 400Inite 578.2MH 45078.2078.0078.0078.000.066.000.886.960.076.000.01DIP23.00121.00%4.933.87Pipe 402Inite 477.3075.02Pipe 40177.9074.8750.090.006.000.776.960.070.012DIP15.00121.00%4.9303.87Pipe 401MH 5077.0077.0077.0074.8750.000.056.000.776.960.0120.012DIP15.0012.00%4.9303.87Pipe 401MH 5077.0077.00MH 45180.0577.0077.0077.000.0120.010 <t< td=""><td>Pipe 501</td><td>MH 550</td><td>80.40</td><td>75.38</td><td>MH 451</td><td>80.25</td><td>74.72</td><td></td><td></td><td></td><td></td><td></td><td>0.51</td><td>0.012</td><td>DIP</td><td>66.00</td><td>12</td><td>1.00%</td><td>4.93</td><td>3.87</td></t<>	Pipe 501	MH 550	80.40	75.38	MH 451	80.25	74.72						0.51	0.012	DIP	66.00	12	1.00%	4.93	3.87
Pipe 402 Mit 450 77.30 75.005 Mipe 401 77.90 77.87 0.09 0.09 6.00 0.77 6.90 0.012 0.012 0.100 12.000 12.000 4.93 3.87 Pipe 401 Mit 450 75.00 77.00	Pipe 400	Inlet 5	78.76	75.32	MH 450	78.20	75.09	0.06	0.06	6.00	0.85	6.96	0.37	0.012	DIP	23.00	12	1.00%	4.93	3.87
Pipe 401MH 45078.2078.2078.2078.4078.4078.2078.40	Pipe 402	Inlet 4	77.23	75.025	Pipe 401	77.99	74.875	0.09	0.09	6.00	0.77	6.96	0.47	0.012	DIP	15.00	12	1.00%	4.93	3.87
Pipe RD7 RD-7 80.20 74.47 MH 452 80.15 74.23 0.05 0.05 6.00 0.98 6.96 0.021 DIP 8.00 8 3.00% 6.51 2.27 Pipe RD-6 RD-6 80.30 74.95 Pipe 404 80.00 74.23 0.03 0.03 6.00 0.98 6.96 0.22 0.012 DIP 24.00 8 3.00% 6.51 2.27 Pipe AD RD-5 79.66 73.34 Pipe 404 73.126 0.05 0.05 6.00 0.98 6.96 0.32 0.012 DIP 24.00 8 3.00% 6.51 2.27 Pipe 404 MH 452 80.15 74.16 74.16 0.05 0.05 6.00 0.98 6.96 0.32 0.01 DIP 24.00 8 3.00% 6.51 2.27 Pipe 404 MH 452 80.15 74.10 74.10 74.10 74.10 74.10 74.10 74.10 74.10 74.10 74.10 74.10 74.10 74.10 74.10 74.10 <th< td=""><td>Pipe 401</td><td>MH 450</td><td>78.20</td><td>75.09</td><td>MH451</td><td>80.25</td><td>74.72</td><td></td><td></td><td></td><td></td><td></td><td>1.35</td><td>0.012</td><td>DIP</td><td>37.00</td><td>12</td><td>1.00%</td><td>4.93</td><td>3.87</td></th<>	Pipe 401	MH 450	78.20	75.09	MH451	80.25	74.72						1.35	0.012	DIP	37.00	12	1.00%	4.93	3.87
Pipe RD-6 RD-6 80.30 74.95 Pipe 404 80.00 74.23 0.03 0.03 6.00 0.98 6.96 0.022 0.012 DIP 24.00 8 3.00% 6.51 2.27 Pipe RD-5 RD-5 79.66 73.84 Pipe 404 78.90 73.124 0.05 0.05 6.00 0.98 6.96 0.32 0.012 DIP 24.00 8 3.00% 6.51 2.27 Pipe 403 MH 451 80.25 74.72 MH 452 80.15 74.16 C C 0.05 0.02 0.02 0.012 DIP 28.00 12 2.00% 6.57 5.67 Pipe 404 MH 452 80.15 74.03 Pipe 000 79.95 73.64 Etimated Sprayround System otput (II) 5.00 0.012 DIP 23.00 12 3.00% 8.53 6.70 Pipe 5001 Inlet 5.01 78.85 74.39 Pipe 000 79.9 73.73 Etimated Sprayround System otput (II) 5.00 0.012 DIP 20.00 12 3.00% 8.53 6.70 <td>Pipe RD-7</td> <td>RD-7</td> <td>80.20</td> <td>74.47</td> <td>MH 452</td> <td>80.15</td> <td>74.23</td> <td>0.05</td> <td>0.05</td> <td>6.00</td> <td>0.98</td> <td>6.96</td> <td>0.35</td> <td>0.012</td> <td>DIP</td> <td>8.00</td> <td>8</td> <td>3.00%</td> <td>6.51</td> <td>2.27</td>	Pipe RD-7	RD-7	80.20	74.47	MH 452	80.15	74.23	0.05	0.05	6.00	0.98	6.96	0.35	0.012	DIP	8.00	8	3.00%	6.51	2.27
Pipe Ab-5 RD-5 79.66 73.84 Pipe 404 78.30 73.124 0.05 0.05 6.00 0.88 6.012 0.012 DIP 24.00 8 3.00% 6.51 22.7 Pipe 403 MH 451 80.25 74.72 MH 452 80.15 74.16 Action Control Contro Contro Contro Cont	Pipe RD-6	RD-6	80.30	74.95	Pipe 404	80.00	74.23	0.03	0.03	6.00	0.98	6.96	0.22	0.012	DIP	24.00	8	3.00%	6.51	2.27
Pipe 43 MH 451 80.25 74.72 MH 452 80.15 74.72 MH 452 80.15 74.74 80.15 74.16 80.15 74.16 80.15 74.16 80.15 74.10 80.15 74.10 80.1002 (IN) 78.00 72.50 1 1 1 1 2 0.012<	Pipe RD-5	RD-5	79.66	73.84	Pipe 404	78.90	73.1246	0.05	0.05	6.00	0.98	6.96	0.32	0.012	DIP	24.00	8	3.00%	6.51	2.27
Pipe 404 MH 452 80.15 74.16 Basin 002 (IN) 78.00 72.50 100 100 100 12.23 0.010 0.10 12.00 12.00 6.97 5.47 Pipe 5001 Inlet 5-01 78.85 74.30 Pipe 000 79.95 73.64 Estimated Strated S	Pipe 403	MH 451	80.25	74.72	MH 452	80.15	74.16						2.23	0.012	DIP	28.00	12	2.00%	6.97	5.47
Pipe S-001 Inlet S-01 78.85 74.33 Pipe 000 79.95 73.64 Estimated Sprayground System output flow: 5.00 0.012 DIP 23.00 12 3.00% 8.53 6.70 Pipe S-02 Inlet S-02 78.85 74.39 Pipe 000 79.9 73.79 Estimated Sprayground System output flow: 5.00 0.012 DIP 23.00 12 3.00% 8.53 6.70 Pipe 000 EX 79.08 74.64 MH 050 79.3 74.49 Assumed for the mean straig	Pipe 404	MH 452	80.15	74.16	Basin 002 (IN)	78.00	72.50						2.23	0.012	DIP	83.00	12	2.00%	6.97	5.47
Pipe 5-02 Intel 5-02 78.85 74.39 Pipe 000 79.99 73.79 Retimated Spraygroup d System output flow: 5.00 0.012 DIP 2.0.00 12.0 3.00% 8.5.3 6.7.0 Pipe 00 EX 79.08 74.49 MH 050 79.30 74.49 MH 051 78.7 73.29 Assumed flow from existing MH exist	Pipe S-001	Inlet S-01	78.85	74.33	Pipe 000	79.95	73.64	Estir	mated Spraygi	round System	output flow	•	5.00	0.012	DIP	23.00	12	3.00%	8.53	6.70
Pipe 00 EX 79.08 74.6 MH 050 79.3 74.49 Assumed flow from existing MH servicing rest of site: 12.00 0.012 DIP 11.00 24 1.00% 7.82 24.57 Pipe 001 MH 050 79.30 74.49 MH 051 78.7 73.29 Image: Control of the state	Pipe S-002	Inlet S-02	78.85	74.39	Pipe 000	79.9	73.79	Estir	mated Spraygi	round System	output flow	:	5.00	0.012	DIP	20.00	12	3.00%	8.53	6.70
Pipe 001 MH 050 79.30 74.49 MH 051 78.7 73.29 (73.2)	Pipe 000	EX	79.08	74.6	MH 050	79.3	74.49	Assumed	flow from ex	isting MH ser	vicing rest o	f site:	12.00	0.012	DIP	11.00	24	1.00%	7.82	24.57
Pipe 02MH 05178.773.29MH 05277.8477.8477.7477.79 (7.7)	Pipe 001	MH 050	79.30	74.49	MH 051	78.7	73.29						12.00	0.012	DIP	120.00	24	1.00%	7.82	24.57
Pipe 003MH 05277.8472.79MH 05377.1372.09MH 05377.1372.09MH 05377.1372.09MH 05476.5371.71 $(1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,$	Pipe 002	MH 051	78.7	73.29	MH 052	77.84	72.79						23.32	0.012	DIP	50.00	24	1.00%	7.82	24.57
Pipe 004MH 05377.1377.09MH 05476.5371.71 $(1, 1, 2, 3)$ $(1$	Pipe 003	MH 052	77.84	72.79	MH 053	77.13	72.09						23.32	0.012	DIP	70.00	24	1.00%	7.82	24.57
Pipe B-002 Basin 002 (Outlet) 76.97 71.77 MH 054 76.53 71.71 See SW For	Pipe 004	MH 053	77.13	72.09	MH 054	76.53	71.71						23.32	0.012	DIP	38.00	24	1.00%	7.82	24.57
Pipe 005 MH 054 76.53 63.71 S 58th St SW Main 72.91 61.58 42.56 Vice	Pipe B-002	Basin 002 (Outlet)	76.97	71.77	MH 054	76.53	71.71	See SW F	Report for Pon	dpack Calcula	tions, 10 Yr	Peak:	2.55	0.012	DIP	6.00	18	1.00%	6.46	11.41
	Pipe 005	MH 054	76.53	63.71	S 58th St SW Main	72.91	61.58						25.87	0.012	DIP	71.00	24	3.00%	13.55	42.56

Project:	Francis J. Myers Recreation Center - Redevelopment Design																			
Job #	2020297-00										Design Stor	m Intensity =			6.96	6				
System:	Stormwater Network Pipe	Schedule															10-VEAR STO		IONS	
By:	JYL								Date:	02/15/23					_		IO TEAN STO			
Rev:	JCG							Date:	02/15/23											
Chk by:	JCG								Date:	02/15/23					-					
				POST-DEV	ELOPMENT ST	ORM RUNOFF							STORM SEL	NER DESIGN	V	_	<u>г г</u>	- 11 -1		
Pipe	Inlet /	Grate/Rim	Invert	Inlet /	Grate/Rim	Invert	A	lotal	lime	Dunaff	Intensity	010	Manufinan	Matavial	Longth	C:	Create	Full Flow	Full Flow	
ID No	Erom	OUT (ft)	OUT (ft)		(ft)	(ft)	Area (acres)	(acres)	(min)	Runon "C"	(in/hr)	Q10 (cfs)	wannings "n"	wateriai	Length (f+)	(in)	(ft /ft)	(fps)	(cfs)	
110.	TIOM	001 (11.)	001 (11.)		(10.)	(10.)	(deres)	(acres)	(11111)			(013)			(10.)	(111.)	(10./10.)	(103)	(013)	
Pipe 100	Inlet 1	78.59	76.17	MH 150	79.9	75.77	0.26	0.26	6.00	0.75	6.96	1.36	0.012	DIP	40.00	12	1.00%	4.93	3.87	
Pipe 101	MH 150	79.9	75.77	MH 151	78.8	75.17		í				-	0.012	DIP	60.00	12	1.00%	4.93	3.87	
Pipe 102	MH 151	78.8	75.17	Basin 001 (IN)	80.37	74.50						-	0.012	DIP	67.00	12	1.00%	4.93	3.87	
Pipe 200	Inlet 2	79.6	74.56	Basin 001 (IN)	80.37	74.50	0.19	0.19	6.00	0.78	6.96	1.04	0.012	DIP	6.00	12	1.00%	4.93	3.87	
Pipe B-001	Basin 001 (Outlet)	80.37	74.40	Pipe 001	79.95	74.18	See SW I	Report for Pon	dpack Calcula	tions, 10 Yr	Peak:	1.20	0.012	DIP	12.00	12	1.83%	6.67	5.24	
EX-01	EX Building	82.42	74.12	Cleanout	81.87	73.77	0.20	0.20	6.00	0.95	6.96	1.32	0.012	DIP	70.00	12	0.50%	3.48	2.74	
EX-02	Cleanout	81.87	73.77	MH 051	78.7	73.29						1.32	0.012	DIP	96.00	12	0.50%	3.48	2.74	
Pipe 300	RD-1, 2, & 3	82.45	79.06	MH 350	80	73.53	0.14	0.14	6.00	0.95	6.96	0.92	0.012	DIP	22.00	8	1.00%	3.76	1.31	
Pipe 302	Inlet 3	79.65	73.1852	Pipe 302	79.6	73.1252	0.02	0.15	6.00	0.98	6.96	1.06	0.012	DIP	6.00	8	1.00%	3.76	1.31	
Pipe 301	MH350 (RD-4 & Inlet 3)	80	73.53	MH 351	78.86	73.03	0.06	0.06	6.00	0.95	6.96	2.34	0.012	DIP	50.00	12	1.00%	4.93	3.87	
Pipe 303	MH 351	78.86	73.03	Basin 002 (IN)	78.00	72.5						2.34	0.012	DIP	53.00	12	1.00%	4.93	3.87	
Pipe 500	Inlet 6	80.68	76.2	MH 550	80.40	75.38	0.09	0.09	6.00	0.80	6.96	0.51	0.012	DIP	82.00	12	1.00%	4.93	3.87	
Pipe 501	MH 550	80.40	75.38	MH 451	80.25	74.72						0.51	0.012	DIP	66.00	12	1.00%	4.93	3.87	
Pipe 400	Inlet 5	78.76	75.32	MH 450	78.20	75.09	0.06	0.06	6.00	0.85	6.96	0.37	0.012	DIP	23.00	12	1.00%	4.93	3.87	
Pipe 402	Inlet 4	77.23	75.025	Pipe 401	77.99	74.875	0.09	0.09	6.00	0.77	6.96	0.47	0.012	DIP	15.00	12	1.00%	4.93	3.87	
Pipe 401	MH 450	78.20	75.09	MH451	80.25	74.72						1.35	0.012	DIP	37.00	12	1.00%	4.93	3.87	
Pipe RD-7	RD-7	80.20	74.47	MH 452	80.15	74.23	0.05	0.05	6.00	0.98	6.96	0.35	0.012	DIP	8.00	8	3.00%	6.51	2.27	
Pipe RD-6	RD-6	80.30	74.95	Pipe 404	80.00	74.23	0.03	0.03	6.00	0.98	6.96	0.22	0.012	DIP	24.00	8	3.00%	6.51	2.27	
Pipe RD-5	RD-5	79.66	73.84	Pipe 404	78.90	73.1246	0.05	0.05	6.00	0.98	6.96	0.32	0.012	DIP	24.00	8	3.00%	6.51	2.27	
Pipe 403	MH 451	80.25	74.72	MH 452	80.15	74.16						2.23	0.012	DIP	28.00	12	2.00%	6.97	5.47	
Pipe 404	MH 452	80.15	74.16	Basin 002 (IN)	78.00	72.50						2.23	0.012	DIP	83.00	12	2.00%	6.97	5.47	
Pipe S-001	Inlet S-01	78.85	74.33	Pipe 000	79.95	73.64	Esti	nated Spraygr	ound System	output flow	/:	5.00	0.012	DIP	23.00	12	3.00%	8.53	6.70	
Pipe S-002	Inlet S-02	78.85	74.39	Pipe 000	79.9	73.79	Esti	mated Spraygr	ound System	output flow	/:	5.00	0.012	DIP	20.00	12	3.00%	8.53	6.70	
Pipe 000	EX	79.08	74.6	MH 050	79.3	74.49	Assumed	flow from ex	isting MH ser	vicing rest o	of site:	12.00	0.012	DIP	11.00	24	1.00%	7.82	24.57	
Pipe 001	MH 050	79.30	74.49	MH 051	78.7	73.29						12.00	0.012	DIP	120.00	24	1.00%	7.82	24.57	
Pipe 002	MH 051	78.7	73.29	MH 052	77.84	72.79						23.32	0.012	DIP	50.00	24	1.00%	7.82	24.57	
Pipe 003	MH 052	77.84	72.79	MH 053	77.13	72.09						23.32	0.012	DIP	70.00	24	1.00%	7.82	24.57	
Pipe 004	MH 053	77.13	72.09	MH 054	76.53	71.71						23.32	0.012	DIP	38.00	24	1.00%	7.82	24.57	
Pipe B-002	Basin 002 (Outlet)	76.97	71.77	MH 054	76.53	71.71	See SW I	Report for Pon	dpack Calcula	tions, 10 Yr	Peak:	2.55	0.012	DIP	6.00	18	1.00%	6.46	11.41	
Pipe 005	MH 054	76.53	63.71	S 58th St SW Main	72.91	61.58						25.87	0.012	DIP	71.00	24	3.00%	13.55	42.56	

1 STORMWATER PIPE NETWORK SCHEDULE c656 scale: not to scale

Digsau
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Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103 v 610.554.6560
ENVIRONMENTAL CONSULTANT Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801 v 302.656.9600 www.brightfields.com
LEED CONSULTANT DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com
PROFESSIONAL ENGINEER EXPIRES 09-30-2023 JAMES C. GLEATON JR. ENGINEER PE053010E PROFESSIONAL SIGNATURE 04/14/2023 DATE
3 04/07/2023 100% CD ISSUE 2 3/29/2023 PWD PCSM RESUBMISSION 1 1 1/12/2023 PWD PCSM SUBMISSION △ DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS 5800 Chester Ave. Philadelphia, PA 19143
PROJECT #: 2020297-00 SCALE: 1" = 20' FORMAT: 30" X 42" DRAWN: JYL
CHECKED: JG DATE: 04/07/2023 SHEET NAME:
POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 4
SHEET NUMBER: C-656
PROJECT PHASE: CONSTRUCTION DOCUMENTS

TREE PROTECTION FENCE **1** L1.0 Scale: 1/4" = 1'-0"

TREE DEMOLITION AND PRESERVATION LEGEND

OVERALL TREE REMOVAL, PRESERVATION & REPLACEMENT

		[]
DESCRIPTION	QTY.	CALIPER (IN.)
EXISTING NON-HERITAGE TREES TO BE REMOVED	11	78
EXISTING HERITAGE TREES TO BE REMOVED	1	24
TREES TO BE PRESERVED OVER 12" DBH	4	48
TREES TO BE PRESERVED OVER 8" TO 12" DBH	0	-
TREES TO BE PRESERVED 5" TO 8" DBH	1	5
TREES TO BE PRESERVED UNDER 5" DBH	0	-
PROPOSED TREES @ 2.5" CAL.	39	102.5
CREDIT FOR PRESERVED TREES	-	53

TREE TABULATION NOTES

- TOTAL TREE REPLACEMENT REQUIRED = 102" (DBH) TOTAL REPLACEMENT TREES PROVIDED = 102.5 (CALIPER INCHES)
 1 OF THE 11 EXISTING NON-HERITAGE TREES PROPOSED FOR REMOVAL IS
- DEAD.
- 3. PER PHILADELPHIA ZONING ORDINANCE SECTION 14-705 (1): TREES TO BE PRESERVED OVER 12" DBH RECEIVE 12 CREDITS. TREES TO BE PRESERVED OVER 8" TO 12" DBH RECEIVE 8 CREDITS.
 - TREES TO BE PRESERVED 5" TO 8" DBH RECEIVE 5 CREDITS. TREES TO BE PRESERVED UNDER 5" DBH RECEIVE 0 CREDITS.
- CREDIT FOR PRESERVED TREES DOES NOT INCLUDE INVASIVE TREE SPECIES AND TREES IN POOR HEALTH. 4. REFERENCE MORRIS ARBORETUM TREE INVENTORY, 22.02.16
- 5. ONLY TREES WITHIN A 50 FOOT OFFSET FROM THE LIMIT OF DISTURBANCE HAVE BEEN INCLUDED IN PRESERVATION TABULATIONS. EXISTING TREES BEYOND THIS BOUNDARY ARE CONSIDERED OUTSIDE THE INFLUENCE OF THE PROJECT.

LOCATION OF TREE PROTECTION FENCE IS INDICATED ON DRAWINGS. REFER TO DETAIL ON THIS SHEET FOR TREE PROTECTION.

- 2. TREE PROTECTION FENCE SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION PROCESS. IF TREE PROTECTION IS MOVED OR REMOVED FOR THE INSTALLATION OF THE WORK REPLACE IT IMMEDIATELY AT THE COMPLETION OF THE
- 3. EXERCISE EXTREME CAUTION WHEN REMOVING TREES ADJACENT TO EXISTING TREES TO REMAIN. USE HAND METHODS IN CANOPIES AND ROOT ZONES OF EXISTING TREES.
- 4. TRENCHING OR EXCAVATION WITHIN THE TREE PROTECTION FENCE SHALL BE COMPLETED WITH EXTREME CARE AND UNDER THE SUPERVISION OF A CERTIFIED ARBORIST. USE HAND TOOLS ONLY. ARBORIST SHALL BE PRESENT DURING ALL WORK DONE WITHIN DRIPLINE OF EXISTING TREES. NOTIFY OWNER PRIOR TO COMMENCEMENT OF WORK WITHIN DRIPLINE OF TREES.
- 5. AVOID DAMAGING EXISTING TREES. DAMAGE INCLUDES BUT IS NOT LIMITED TO: CUTTING, BREAKING, SKINNING OR COMPACTING OF ROOTS, SKINNING AND BRUISING OF BARK AND BREAKING OF BRANCHES AND LIMBS.
- 6. CONTRACTOR SHALL NOT PARK OR STORE EQUIPMENT AND SUPPLIES WITHIN THE TREE PROTECTION FENCING.

DIGSAU
<u>CLIENT</u> REBUILD 1515 Arch Street Mezzanine Level Philadelphia, PA 19104 <u>OWNER</u> CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102
ARCHITECT DIGSAU 340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808 www.digsau.com <u>CIVIL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com
v 215.375.6059 <u>STRUCTURAL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 <u>LANDSCAPE ARCHITECT</u> Ground Reconsidered 230 South Broad Street Suite 604 Philadelphia, PA 10102
v 215.790.0727 www.groundreconsidered.com <u>MEP/FP ENGINEER</u> dbHMS 1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice 600 Chestnut Street Suite 772
Philadelphia, PA 19106 v 215.238.1644 <u>COST ESTIMATING</u> Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103 v 610.554.6560 <u>ENVIRONMENTAL CONSULTANT</u> Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801
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DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave Philadelphia, PA 19143
PROJECT #: 2020 SCALE: 1"=20' FORMAT: 30" X 42" DRAWN: AB / TM CHECKED: JB DATE: 4/7/2023
SHEET NAME: TREE PRESERVATION PLAN
SHEET NUMBER:
PROJECT PHASE: CONSTRUCTION DOCUMENTS

PLAYGROUND - AGES 2-5 PLAY STRUCTURES				
KEY	QUANTITY PRODUCT NAME MANUFACTURER PRODUC		PRODUCT #	
A	1	PORTAL SWINGS W/ 1 ADA & 3 BUCKET SWINGS	KOMPAN	SEE SPEC #116800
В	1	CUSTOM JUNGLE GIANT CLIMBER 2-5	KOMPAN	SEE SPEC #116800
С	1	FOREST GIRAFFE	KOMPAN	SEE SPEC #116800
D	1	SPINNER BOWL	KOMPAN	SEE SPEC #116800

PLAYGROUND - AGES 5-12 PLAY STRUCTURES

KEY	QUANTITY	PRODUCT NAME	MANUFACTURER	PRODUCT #
E	1	PORTAL SWINGS W/ 1 ADA, & 3 BELT SWINGS	KOMPAN	SEE SPEC #116800
F	1	CUSTOM JUNGLE GIANT CLIMBER 5-12	KOMPAN	SEE SPEC #116800
G	1	TIPI CAROUSEL	KOMPAN	SEE SPEC #116800
Н	1	GALAGO TRAIL	KOMPAN	SEE SPEC #116800
ASSLIME MAX EA				

KEY	QUANTITY	PF
F1	1	STEF
F2	1	STEF
F3	1	STEF
F4	1	LEG
F5	1	SUSF

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CONSTRUCTION DOCUMENTS

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PROJECT #: 2020 SCALE: 1"=10' FORMAT: 30" X 42" DRAWN: AB / TM CHECKED: JB DATE: 4/7/2023
SHEET NAME: MATERIALS PLAN ENLARGEMENT
SHEET NUMBER: L2.1 PROJECT PHASE: CONSTRUCTION DOCUMENTS

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DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS 5800 Chester Ave Philadelphia, PA 19143
PROJECT #: 2020 SCALE: 1"=10' FORMAT: 30" X 42" DRAWN: AB / TM CHECKED: JB DATE: 4/7/2023
SHEET NAME: LAYOUT PLAN ENLARGEMENT
SHEET NUMBER:
PROJECT PHASE: CONSTRUCTION DOCUMENTS

PLAYGROUND POURED IN PLACE - COLOR S				
<u>SYMBOL</u>	MATERIAL	COLOR MIX		
	SAFETY SURFACE COLOR A	ROYAL BLU LIGHT GRA		
	SAFETY SURFACE COLOR B	HUNTER GF LIGHT GRA		
/////	BLENDING ZONE	BLEND EQU		

R SCHEDULE <u>IIXTURE</u> LUE (33%) TEAL (33%) RAY (33%) GREEN (33%) BRIGHT GREEN (33%) RAY (33%) QUAL PARTS COLOR MIX A & B

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v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106
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DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave Philadelphia, PA 19143
PROJECT #: 2020 SCALE: 1/4"=1' FORMAT: 30" X 42" DRAWN: AB / TM CHECKED: JB DATE: 4/7/2023
SHEET NAME: SAFETY SURFACE LAYOUT PLAN
SHEET NUMBER:
PROJECT PHASE:

Qty	ld	Botanical Name	Common Name	Size	Spacing	Spacing
Canopy	/ Trees					
1	ARf	Acer rubrum 'Franksred'	Multi-stem Red Sunset Maple	3-1/2" cal.	As Shown	Multi-stem, Speci
4	NS	Nyssa sylvatica	Blackgum	2" - 2 1/2" cal.	As Shown	Specimen Quality
3	OV	Ostrya virginiana	American Hop Hornbeam	2 1/2" - 3" cal.	As Shown	Specimen Quality
1	PAB	Platanus x acerifolia 'Exclamation'	London Plane Tree	2 1/2" - 3" cal.	As Shown	Specimen Quality
4	QB	Quercus bicolor	Swamp White Oak	2 1/2" - 2" cal.	As Shown	Specimen Quality
2	QP	Quercus phellos	Willow Oak	2 1/2" - 3" cal.	As Shown	Specimen Quality
4	QS	Quercus shumardii	Shumard Oak	2" - 2 1/2" cal.	As Shown	Specimen Quality
4	TA	Tilia americana	American Basswood	2 1/2" - 3" cal.	As Shown	Specimen Quality
Ornam	ental Trees					
6	AGa	Amelanchier grandiflora 'Autumn Brilliance	Autumn Brilliance Serviceberry	8' - 10' ht.	As Shown	Specimen Quality
2	CCa	Cercis canadensis	Eastern Redbud	2.5" - 3" cal.	As Shown	Specimen Quality
8	СКе	Cladrastis kentukea	Yellowwood	2 1/2" - 3" cal.	As Shown	Specimen Quality
2	MVh	Magnolia virginiana 'Moonglow'	Moonglow Sweet Bay Magnolia	8' - 10' ht.	As Shown	Specimen Quality
Shrubs						
61	AroMelLM	Aronia melanocarpa 'UCONNAM165'	Lowscape Mound Black Chokeberry	#5	As Shown	
10	DieLonC	Diervilla lonicera 'Copper'	Bush Honeysuckle	#5	As Shown	
Ornam	ental Grass	es				
22	cal bra	Calamagrostis brachytricha	Feather Reed Grass	#2		
Doronn	iale		- -	·	·	·
8		Echinacea nurnurea	Purple Coneflower	#1	12" 0.0	
10	lav and M	Lenindeca parparea	Munstead Lavender	#2	12" 0.0.	
2306	lir mus B	Liriope muscari 'Big Blue'	Big Blue Lilvturf	#2	12" o c	
6	men pep	Mentha peperita	Peppermint	#1	12 0.0.	
8	men spi	Mentha spicata	Spearmint	#1	12" o c	
8	mon did	Monarda didyma	Beebalm	#1	12 0.0.	
10	ori vul	Origanum vulgare	Oregano	#1	12" o c	
5	pvc mut	Pycnanthemum muticum	Mountain Mint	#2	18" o.c.	
7	sal off	Salvia officinalis	Common Sage	#1	12" o.c.	
9	sal ros	Salvia rosmarinus	Rosemary	#1	18" o.c.	
8	thy vul	Thymus vulgaris	Garden Thyme	#1	18" o.c.	
1116	vin min	Vinca minor	Periwinkle	#1	12" 0 0	

OVERALL TREE REMOVAL, PRESERVATION & REPLACEMENT

DESCRIPTION	QTY.	CALIPER (IN.)
EXISTING NON-HERITAGE TREES TO BE REMOVED	11	78
EXISTING HERITAGE TREES TO BE REMOVED	1	24
TREES TO BE PRESERVED OVER 12" DBH	4	48
TREES TO BE PRESERVED OVER 8" TO 12" DBH	0	-
TREES TO BE PRESERVED 5" TO 8" DBH	1	5
TREES TO BE PRESERVED UNDER 5" DBH	0	-
PROPOSED TREES @ 2.5" CAL.	39	102.5
CREDIT FOR PRESERVED TREES	-	53

TREE TABULATION NOTES

- 1. TOTAL TREE REPLACEMENT REQUIRED = 102" (DBH) TOTAL REPLACEMENT TREES PROVIDED = 102.5 (CALIPER INCHES) 2. 1 OF THE 11 EXISTING NON-HERITAGE TREES PROPOSED FOR REMOVAL IS
- DEAD.

3. PER PHILADELPHIA ZONING ORDINANCE SECTION 14-705 (1): TREES TO BE PRESERVED OVER 12" DBH RECEIVE 12 CREDITS.

- TREES TO BE PRESERVED OVER 8" TO 12" DBH RECEIVE 8 CREDITS. TREES TO BE PRESERVED 5" TO 8" DBH RECEIVE 5 CREDITS.
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- SPECIES AND TREES IN POOR HEALTH. 4. REFERENCE MORRIS ARBORETUM TREE INVENTORY, 22.02.16
- 5. ONLY TREES WITHIN A 50 FOOT OFFSET FROM THE LIMIT OF DISTURBANCE HAVE BEEN INCLUDED IN PRESERVATION TABULATIONS. EXISTING TREES BEYOND THIS BOUNDARY ARE CONSIDERED OUTSIDE THE INFLUENCE OF THE PROJECT.

EXISTING DECIDUOUS TREE TO

EXISTING EVERGREEN TREE TO

PROPOSED ORNAMENTAL TREE

LAWN RESTORATION - SEED

1. REFER TO SHEET L-5.2 FOR PLANTING NOTES

2. PROVIDE PLANTING SOIL AT THE FOLLOWING PROPOSED TREES - 36" (6' DIAMETER PLANT BEDS - 18" LAWN RESTORATION - 6"

REFER TO SPECIFICATIONS FOR PLANTING

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DATE: DESCRIPTION:						
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PROJECT #: 2020 SCALE: 1"=20' FORMAT: 30" X 42"						
DRAWN:AB / TMCHECKED:JBDATE:4/7/2023						
SHEET NAME: PLANTING PLAN						
SHEET NUMBER: L4.0 PROJECT PHASE:						

CONSTRUCTION DOCUMENTS

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www.davidmason.com v 215.375.6059 STRUCTURAL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109						
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5800 Chester Ave Philadelphia, PA 19143						
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123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 <u>STRUCTURAL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com						
v 215.375.6059 <u>LANDSCAPE ARCHITECT</u> <u>Ground Reconsidered</u> 230 South Broad Street Suite 604 Philadelphia, PA 19102 v 215.790.0727 www.groundreconsidered.com <u>MEP/FP ENGINEER</u> dbHMS						
1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644						
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NOTE:

47"

1 SPLIT RAIL FENCE & GATE L5.2 Scale: 1/2" = 1'-0"

NOTES:

- 1. WIRE MESH SHALL BE SECURED TO FENCE POSTS AND/OR RAILS USING STEEL U-NAILS, OR APPROVED EQUIVALENT.
- 2. DECK SCREWS SHALL BE USED TO FASTEN RAILS TOGETHER AT POINT OF INTERSECTION AT POSTS. EACH RAIL MUST OVERLAP EACH OTHER BY 3" MIN.
- TO ENSURE STABILITY. 3. ALL POSTS MUST BE SQUARE AND LEVEL.
- 4. CORNER POSTS MUST HAVE 36" DEEP CONCRETE FOOTERS.

KEY PLAN EXISTING

CONSTRUCTION DOCUMENTS

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NOTES:

ROOTBALL.

-GROUNDCOVER -2-3" THICK LAYER OF MULCH -FINISHED GRADE

-EXISTING SOIL

-GROUNDCOVER PLANTS

TO BE TRIANGULARLY

SPACED

-MULCH

PLANTING NOTES FOR DEPTH. (SEE SPECIFICATIONS FOR SOIL MODIFICATION)

NOTES:

- 1. SEE PLANTING SCHEDULE FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
- 2. SMALL ROOTS (1/4" DIA. OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPERHY CAN BE REMOVED AT THE TIME OF PLANTING.
- 3. SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

3 GROUND COVER PLANTING L5.5 Scale: 3/4" = 1'-0"

2 TREE STAKING L5.5 Scale: 3/4" = 1'-0"

4 SHRUB PLANTING L5.5 Scale: 3/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

PART 1 - DESIGN CRITERIA / GENERAL REQUIREMENTS

REFERENCE TO STANDARD SPECIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY 1.1 DESIGN CRITERIA A. BUILDING CODE: PHILADELPHIA BUILDING CODE, 2018 EDITION UNLESS OTHERWISE NOTED. (ICC INTERNATIONAL BUILDING CODE, 2018 EDITION) B. BUILDING RISK CATEGORY: II C. GRAVITY DESIGN LOADS: ASSOCTATION DEAD LOAD: MATERIAL SELF-WEIGHT ROOF LIVE LOAD: a. UNIFORM LIVE LOAD: 20 PSF b. SNOW LOAD: GROUND SNOW LOAD, PG: 25 PSF FLAT ROOF SNOW LOAD, PF: 20 PSF DRIFT LOAD: AS SPECIFIED BY THE REFERENCED BUILDING CODE FOR EACH INDIVIDUAL SITUATION (NOT EVALUATED AT THIS STAGE IN DESIGN) SNOW EXPOSURE FACTOR. CE: 1.0 SNOW IMPORTANCE FACTOR, IS: 1.0 SNOW THERMAL FACTOR, CT: 1.0 MECHANICAL AREAS: 100 PSF 3. UNIFORM FLOOR LIVE LOADS: ANY DISCREPANCY OR OMISSION TO ARCHITECT GYMNASIUM: 100 PSF LARGE ROOM: 100 PSF MEDIUM/ SMALL ROOM: 40 PSF LOBBY: 100 PSF CORRIDORS - 1ST FLOOR: 100 PSF CORRIDORS - ABOVE 1ST FLOOR: 80 PSF STAIRS: 100 PSF PARTITIONS: 15 PSF C. LATERAL LOADS: 1. WIND LOAD: a. BASIC WIND SPEED, V: 112 MPH PRIOR TO PROCEEDING WITH THE WORK. b. WIND EXPOSURE CATEGORY: B WIND DIRECTIONALITY FACTOR, KD: 0.85 d. WIND TOPOGRAPHIC FACTOR, KZT: 1.0 GROUND ELEVATION FACTOR, KE: 1.0 9. DO NOT SCALE THESE DRAWINGS, USE DIMENSIONS f. INTERNAL PRESSURE COEFFICIENT: +/- 0.18 2. SEISMIC LOAD: a. SEISMIC IMPORTANCE FACTOR, IE: 1.0 IRON, ETC b. SEISMIC RISK CATEGORY: II SEISMIC DESIGN CATEGORY: B d. SS = 0.18q S1 = 0.075gSITE CLASS: D f. SDS = 0.19g SD1 = 0.074gg. LONG - PERIOD TRANSITION PERIOD, TL: 6 SEC h. SEISMIC RESISTING SYSTEM: STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE i. RESPONSE MODIFICATION FACTOR, R: 3 SYSTEM OVERSTRENGTH FACTOR. OMEGA: DEFLECTION AMPLIFICATION FACTOR, CD: 3 1. BASE SHEAR, V = 15 KIPS CS = 0.028m. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE 1.2 GENERAL REQUIREMENTS FIREPROOFING METHODS AND MATERIALS. . CONSTRUCTION MEANS AND METHODS . CONTRACTOR AGREES THAT CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE WORK, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REGULTREMENT SHALL APPLY THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR CONDITIONS. CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD DAVID MASON & ASSOCIATES E. CONTRACTOR'S DELEGATED DESIGN HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DAVID MASON & ASSOCIATES. 2. THE CONTRACT DOCUMENTS REPRESENT THE EINISHED STRUCTURE. THEY DO NOT INCLUDE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE NEW AND EXISTING STRUCTURES DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: BRACING, EARTH RETENTION SYSTEMS, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK. OBSERVATION THEIR CONNECTIONS SHALL BE CONTRACTOR DESIGNED: VISITS TO THE SITE BY DAVID MASON & ASSOCIATES SHALL NOT INCLUDE INSPECTION a. TEMPORARY BRACING AND SHORING OF THE ABOVE TTEMS 3. THE CONTRACT DOCUMENTS DO NOT ACCOUNT FOR THE EFFECTS OF THERMAL MOVEMENT STRUCTURAL STEEL CONNECTIONS OF STRUCTURAL ELEMENTS DURING THE COURSE OF THE WORK. THE CONTRACTOR COLD-FORMED METAL FRAMING SHALL BE RESPONSIBLE FOR CONSIDERING THE IMPACT OF THERMAL MOVEMENTS STATRS DURING CONSTRUCTION. EXPANSION JOINTS INDICATED ON THE CONTRACT WINDOW AND CURTAIN WALL SYSTEMS DOCUMENTS ARE LOCATED AND DIMENSIONED AS REQUIRED FOR THE COMPLETED STONE VENEER SUPPORTS AND ANCHORS STRUCTURE 4. DAVID MASON & ASSOCIATES SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONSTRUCTION MEANS, METHODS. UNDERPINNING TECHNIQUES. SEQUENCES. OR PROCEDURES. OR FOR SAFETY OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH ANY CONSTRUCTION ACTIVITIES, SINCE THESE ARE SOLELY CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT 5. DAVID MASON & ASSOCIATES SHALL NOT BE RESPONSIBLE FOR CONTRACTOR'S SCHEDULE OR FAILURES TO CARRY OUT ANY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. DAVID MASON & ASSOCIATES SHALL NOT HAVE CONTROL OVER OR CHARGE OF ACTIONS OF CONTRACTOR, SUBCONTRACTOR, OR ANY OF THEIR AGENTS. OR EMPLOYEES. OR ANY OTHER PERSONS PERFORMING 1.3 SPECIAL INSPECTIONS PORTIONS OF ANY CONSTRUCTION ACTIVITIES 6. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED AND PROVIDED BY CONTRACTOR. 7. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE BE REPORTED TO BUILDING OFFICIAL, OWNER, ARCHITECT, AND DAVID MASON & IMPOSED ASSOCIATES. B. EXISTING CONDITIONS . CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS AS REQUIRED TO BID AND COMPLETE THE WORK 2. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION. ANY EXISTING DIMENSIONS AND ELEVATIONS SHOWN ON THE CONTRACT DOCUMENTS ARE NOT AS-BUILT DIMENSIONS, BUT WERE OBTAINED FROM THE ORIGINAL STRUCTURAL DRAWINGS OR OTHER DRAWINGS AND DOCUMENTS MADE AVAILABLE BY THE OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR DOCUMENTS. TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING FABRICATION, CONSTRUCTION, ETC. 3. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS FOUND AND THOSE

- TNDTCATED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH THE WORK, TE EXISTING CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY AND PROVIDE AN ACCURATE SKETCH OF THE ACTUAL CONDITION FOR REVIEW. 4. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY REMOVAL AND REPLACEMENT / RELOCATION OF ANY NON-STRUCTURAL ELEMENTS NECESSARY TO COMPLETE THE STRUCTURAL WORK. FOLLOW ALL APPLICABLE CODES, SPECIFICATIONS, AND REQUIREMENTS OF AFFECTED TRADES. CONSIDERATION OF THIS SHALL
- BE INCLUDED IN THE CONTRACTOR'S BID. C. SUBMITTALS 1. SUBMITTALS PREPARED BY SUBCONTRACTORS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMITTING TO ARCHITECT REPRODUCTION OF THE CONTRACT DOCUMENTS FOR SHOP DRAWINGS IS NOT PERMITTED. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO CONTRACTOR. 3. CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED EQUIPMENT WEIGHTS. OPENING SIZES, AND LOCATIONS INDICATED ON THE STRUCTURAL DRAWINGS
- WITH DOCUMENTS FROM OTHER DISCIPLINES AND NOTIFY ARCHITECT OF ANY DTSCREPANCTES 4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING SIZE, METHOD OF ANCHORAGE, WEIGHT, OPENINGS, AND LOCATIONS OF EQUIPMENT NOT INDICATED ON THE STRUCTURAL DRAWINGS PRIOR TO ORDERING FOR REVIEW BY DAVID MASON &
- ASSOCIATES TO DETERMINE ADEQUACY OF THE STRUCTURE. 5. ALL SUBMITTALS REVIEWED BY DAVID MASON & ASSOCIATES ARE REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. ANY ACTION INDICATED IS SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CORRELATING AND CONFIRMING DIMENSIONS AT THE JOB SITE, CHOICE OF FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, AND COORDINATION OF THE WORK WITH THAT OF OTHER TRADES.

D. QUALITY REQUIREMENTS

ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE STANDARDS IN EFFECT AS OF DATE OF THE CONTRACT DOCUMENTS,

2. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH STANDARD SPECIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR 3. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION OR CODE, WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS.

SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, ARCHITECT, DAVID MASON & ASSOCIATES, CONTRACTOR, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO DAVID MASON & ASSOCIATES OR ANY OF DAVID MASON & ASSOCIATES' CONSULTANTS. AGENTS. OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS 4. STRUCTURAL DOCUMENTS ARE BEING RELEASED PRIOR TO DOCUMENTS OF OTHER DISCIPLINES. CONTRACTOR SHALL COORDINATE STRUCTURAL DOCUMENTS WITH OTHER PORTIONS OF THE CONTRACT DOCUMENTS AS THEY ARE RELEASED. REPORT

5. ALL OMISSIONS AND CONFLICTS WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. 6. ALL THINGS WHICH, IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS OR AMBIGUITIES, IN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER. PLANS AND/OR SPECIFICATIONS WILL BE CORRECTED, OR A WRITTEN INTERPRETATION OF THE ALLEGED DEFICIENCY, OMISSION, CONTRADICTION OR AMBIGUITY WILL BE MADE BY THE STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH THE WORK. CONTRACTOR SHALL VERTEY DIMENSIONS AND CONDITIONS AT THE JOB SITE. ANY DISCREPANCIES BETWEEN THE CONDITIONS FOUND AND THOSE INDICATED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT

8. STRUCTURAL DOCUMENTS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS DURING SHOP DRAWINGS AND INCORPORATING INTO THE WORK.

10. SEE DOCUMENTS BY OTHER DISCIPLINES FOR FLOOR, WALL, AND ROOF OPENINGS TRENCHES, PITS, PIPE SLEEVES, EQUIPMENT PADS, METAL PAN STAIRS, MISCELLANEOUS 11. NO PIPES, DUCTS, CHASES, ETC. SHALL BE PLACED IN STRUCTURAL BEAM AND COLUMN MEMBERS NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES.

DUCTS. ETC.. UNLESS NOTED OTHERWISE. NOTIFY DAVID MASON & ASSOCIATES WHEN DOCUMENTS BY OTHER DISCIPLINES SHOW OPENINGS, POCKETS, ETC NOT INDICATED IN THE STRUCTURAL DRAWINGS, BUT ARE LOCATED IN STRUCTURAL MEMBERS. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM DAVID MASON & ASSOCIATES FOR INSTALLATION OF SUCH PIPES, DUCTS, CHASES, ETC 12. NO CHANGE IN SIZE OF DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. 13. OPENINGS 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH OPENINGS. 14. VERIFY ELEVATOR PIT DIMENSIONS, LOCATIONS, LOADINGS AND DETAILS WITH SUPPLIERS PRIOR TO THE FABRICATION AND/OR INSTALLATION OF ANY MATERIAL 15. UNLESS OTHERWISE NOTED, FIREPROOFING METHODS AND MATERIALS FOR STRUCTURAL MEMBERS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS FOR FIRE RATING REQUIREMENTS, 16. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE LOCATIONS SPECIFICALLY INDICATED. WHERE A DETAIL IS NOT INDICATED,

CONTRACTOR DESIGNED ELEMENTS SHALL BE DESIGNED BY LICENSED PROFESSIONAL ENGINEERS REGISTERED IN THE COMMONWEALTH OF PENNSYLVANTA, FOR PERMANENT BUILDING COMPONENTS, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, SUPPORT REACTIONS, AND CERTIFICATION THAT ELEMENTS WERE DESIGNED FOR LOADS SPECIFIED IN THE CONTRACT DOCUMENTS OR IN THE BUILDING CODE. ALL DOCUMENTS NOTED SHALL BE SEALED BY THE LICENSED ENGINEER. IF CRITERIA INDICATED ARE NOT SUFFICIENT, SUBMIT A WRITTEN REQUEST FOR ADDITIONAL INFORMATION TO ARCHITECT. THE FOLLOWING ELEMENTS AND

EARTH RETENTION SYSTEMS NECESSARY FOR SAFE EXCAVATION

DETAILED INSPECTION REQUIREMENTS.)

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NO COST TO THE OWNER.

SOIL BEARING CAPACITY

CONCRETE CONSTRUCTION

MASONRY CONSTRUCTION

A. STEEL CONSTRUCTION

SUPPORT, ANCHORAGE AND LATERAL BRACING OF MECHANICAL EQUIPMENT AND MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEM COMPONENTS 2. THE CONTRACTOR'S BID SHALL INCLUDE A LIST OF THE PROFESSIONAL ENGINEERS TO BE RESPONSIBLE FOR EACH DELEGATED DESIGN. 3. THE SUCCESSFUL CONTRACTOR SHALL SUBMIT A LIST OF THE PROFESSIONAL ENGINEERS TO THE STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH THE

THE OWNER WILL EMPLOY THE SERVICE OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE ITEMS LISTED IN THE SPECIAL INSPECTION REQUIREMENTS TABLES OF THE APPLICABLE BUILDING B. SPECIAL INSPECTION REPORTS SHALL BE FURNISHED TO BUILDING OFFICIAL, OWNER, ARCHITECT, DAVID MASON & ASSOCIATES, AND CONTRACTOR. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR, AND IF NOT CORRECTED, SHALL

C. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL OF RECORD, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REOUIRING SPECIAL INSPECTION DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

1. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE, OR WAVE ANY OF THE REQUIREMENTS OF THE CONTRACT 2. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING

OFFICIAL. THE REGISTERED DESIGN PROFESSIONAL OF RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF NOT CORRECTED. THE SPECIAL INSPECTOR SHALL SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER. THE BUILDING OFFICIAL. AND THE REGISTERED DESIGN PROFESSIONAL OF RECORD, UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED. 3. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL, SIGNED REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, PERFORMED IN ACCORDANCE WITH THE CONTRACT

DOCUMENTS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE BUILDING F. THE TESTING LABORATORY PROVIDING SERVICES FOR THE OWNER SHALL PROVIDE SPECIAL INSPECTION SERVICES ACCORDING TO THE SPECIAL INSPECTION REQUIREMENTS TABLES OF THE APPLICABLE BUILDING CODE. THESE CODE REOUIRED INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS AND TESTS DEFINED IN THE PROJECT SPECIFICATIONS. TYPES OF WORK WHICH REQUIRE SPECIAL INSPECTIONS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: (REFER TO THE BUILDING CODE AND SPECIFICATIONS FOR

COLD FORMED METAL FRAMING F. INSPECTION IS ALWAYS REQUIRED DURING THE PERFORMANCE OF THE WORK, UNLESS OTHERWISE SPECIFIED. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE OBSERVED BY ONE INSPECTOR, IT IS THE INSPECTION AGENCY'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF SPECIAL INSPECTORS TO ASSURE THAT ALL THE WORK IS INSPECTED IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODE. G. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SPECIAL INSPECTOR OR TNSPECTTON AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. H. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY A CITY INSPECTOR. I. SPECIALLY INSPECTED WORK THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL

OF THE CITY OR SPECIAL INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE AT

PART 2 - FOUNDATIONS

- 2.1 GENERAL FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY GZA GEOENVIRONMENTAL, INC. DATED JULY, 2022. THE ON-SITE GEOTECHNICAL REPRESENTATIVE SHALL OBSERVE AND CERTIFY THE BEARING MEDIUM FOR ALL FOUNDATIONS. ANY UNUSUAL CONDITIONS OR INADEQUATE BEARING CONDITIONS
- SHALL BE REPORTED TO DAVID MASON & ASSOCIATES B. RECOMMENDATIONS CONTAINED WITHIN THE GEOTECHNICAL REPORT ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS UNLESS SPECIFICALLY MODIFIED HEREIN.
- EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL AND STANDING WATER ALL SOIL SURROUNDING AND UNDER FOOTINGS SHALL BE PROTECTED FROM FREEZING
- AND THAWING DURING THE COURSE OF CONSTRUCTION. 2.2 BRACING AND SHORING.
- FOUNDATION WALLS THAT RETAIN EARTH SHALL BE BRACED AGAINST BACK-FILLING PRESSURES UNTIL FLOOR SLABS AT TOP AND BOTTOM ARE COMPLETE
- B. WHERE FOUNDATION WALLS ARE TO HAVE FARTH PLACED ON FACH STDE. PLACE FILL SIMULTANEOUSLY SO AS TO MAINTAIN A COMMON ELEVATION ON EACH SIDE OF THE WALL. C. CONTRACTOR SHALL DESIGN TEMPORARY BRACING FOR BACKFILL AGAINST THE FOUNDATION WALL. 2.3 EARTH RETENTION
- A. THE SAFE RETENTION OF ALL EXCAVATIONS IS THE COMPLETE AND SOLE RESPONSIBILITY OF THE CONTRACTOR. THIS RESPONSIBILITY INCLUDES SHEET PILE, SOLDIER PILE, LAGGING, TIEBACK, BRACE, DEADMAN AND SHOTCRETE COMPONENT DESIGN, DETERMINATION OF INSTALLATION SEQUENCES AND COORDINATION WITH EXISTING
- STRUCTURES AND UTILITIES. B. RETENTION SYSTEMS SHALL PROTECT ALL NEW AND EXISTING STRUCTURES AND UTILITIES FROM DAMAGE DURING THE ENTIRE EXCAVATION AND BACKFILL SEQUENCE, UNTIL ALL PERMANENT STRUCTURES ARE INSTALLED AND HAVE ATTAINED FULL DESIGN STRENGTH.
- C. DO NOT EXCAVATE BELOW EXISTING FOOTINGS OR UTILITIES UNTIL THE ASSOCIATED EARTH RETENTION SYSTEMS ARE INSTALLED
- 2.4 FOOTINGS
- A. ALL FOOTINGS SHALL BEAR ON AND BE FORMED BY CLEAN, UNDISTURBED, VIRGIN, SUB-SOIL OR COMPACTED ENGINEERED FILL WITH CAPABLE OF SUSTAINING A BEARING PRESSURE OF 4.000 PSF UNDER FULL SERVICE LIVE AND DEAD LOAD B. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE ON-SITE GEOTECHNICAL REPRESENTATIVE M. REINFORCING ENTIRELY WITHIN THE MASONRY SHALL BE FURNISHED BY THE MASONRY PRIOR TO CONCRETE PLACEMENT. THE GEOTECHNICAL ENGINEER OR HIS ON-SITE
- REPRESENTATIVE SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED, OR LEAN CONCRETE FILL ADDED AS REOUTRED. BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 36 INCHES BELOW FINAL
- GRADE FOR FROST PROTECTION. 2.5 UNDERPINNING . UNDERPIN EXISTING FOUNDATION WALL INDICATED IN THE STRUCTURAL
- DRAWINGS AND DRY PACK WITH NON-METALLIC, NON-SHRINK GROUT. B. EXISTING CONSTRUCTION SHALL BE BRACED UNTIL UNDERPINNING IS COMPLETE
- PART 3 CONCRETE
- 3.1 CAST-IN-PLACE CONCRETE STANDARDS
- .. ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (318-14) CRSI HANDBOOK (LATEST EDITION) B. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS AND THEIR SUPPORT IN THE FORMS WITH ACCESSORIES MUST FOLLOW THE LATEST ACI CODE AND THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED
- CONCRETE STRUCTURES" MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE: . UNFORMED SURFACE PERMANENTLY IN CONTACT WITH THE GROUND...
- . FORMED SURFACES EXPOSED TO EARTH OR WEATHER. a. #6 BAR AND LARGER..
- h. #5 BAR AND SMALLER. ..1-1/2" 2. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER: .3/4" a. WALLS. SLABS.
- b. BEAMS, GIRDERS AND COLUMNS (TO TIES OR STIRRUPS).....1-1/2" D. AGGREGATES SHALL BE AS FOLLOWS: 1. FINE AGGREGATE: SHALL BE CLEAN, HARD, DURABLE AND FREE OF DELETERIOUS SUBSTANCES AND CONFORM TO ASTM C33. 2. COARSE AGGREGATE: SHALL BE CLEAN, HARD, DURABLE WITHOUT FLAT OR ELONGATED PIECES AND SHALL CONFORM TO ASTM C33.
- 3. LIGHT WEIGHT AGGREGATE: SHALL BE CLEAN, HARD, DURABLE AND CONFORM TO ASTM C330. E. ALL CONCRETE EXPOSED TO FREEZING AND THAWING AND DEICER CHEMICALS SHALL
- HAVE 6% (+1%/-1.5%) AIR ENTRAINMENT. DO NOT AIR ENTRAIN CONCRETE TO BE TROWEL FINISHED
- REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, DEFORMED BARS, UNLESS NOTED OTHERWISE. WELDING OF ASTM A615, GRADE 60 REINFORCING IS NOT ALLOWED. WELDED WIRE REINFORCING SHALL BE ASTM A185 AND SHALL BE CONTACT LAP SPLICED
- AND WIRED TOGETHER AT LEAST 2" AT SIDE AND 6" AT ENDS H. DOWELS IN WALL FOOTING SHALL BE EQUIVALENT IN SIZE AND NUMBER TO VERTICAL BARS. DOWELS MUST BE ANCHORED OR TIED IN POSITION BEFORE PLACING CONCRETE.
- PUSHTNG BARS TNTO ERESHLY PLACED CONCRETE TS NOT ACCEPTABLE FIELD BENDING OF REINFORCING PARTIALLY EMBEDDED IN CONCRETE IS NOT ALLOWED
- UNLESS SPECIFICALLY NOTED IN THE STRUCTURAL DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER
- . ALL ABUTTING CONCRETE MEMBERS SHALL BE DOWELED TOGETHER UNLESS POURED MONOLITHICALLY. DOWELS SHALL BE EQUAL IN SIZE AND SPACING TO THE REINFORCING IN THE ADJACENT MEMBERS. K. THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS MUST BE
- REFERRED TO FOR ALL MECHANICAL FLOOR REQUIREMENTS, HOUSEKEEPING PADS AND EQUIPMENT INERTIA BASES, AND THE VARIOUS TRADES ARE RESPONSIBLE FOR PLACING OF SLEEVES. OUTLET BOXES. ANCHORS. ETC. THAT MAY BE REOUIRED. PIPES, SLEEVES OR SLOTS SHALL NOT RUN THROUGH ANY BEAM OR GIRDER UNLESS SIZE AND LOCATION HAVE BEEN APPROVED BY THE STRUCTURAL ENGINEER. 1. CONDUIT AND PIPES EMBEDDED IN WALLS, BEAMS, OR SLABS SHALL BE NO LARGER TN OUTSTDE DIMENSION THAN 1/3 THE OVERALL MEMBER THICKNESS OR 2
- MAXIMUM, AND SHALL BE PLACED NO CLOSER THAN 3 DIAMETERS OR WIDTHS ON CENTER. 2. CONDUIT AND PIPES, WITH THEIR FITTINGS, EMBEDDED WITHIN A COLUMN SHALL
- NOT DISPLACE MORE THAN 4 PERCENT OF THE AREA OF THE COLUMN CROSS SECTION. M. ADHESIVE FOR POST-INSTALLED REINFORCING DOWELS INTO CONCRETE SHALL BE HILTI HIT-HY 200 ADHESIVE ANCHORING SYSTEM INSTALLED PER SAFESET TECHNOLOGY WRITTEN INSTRUCTIONS, OR APPROVED EQUAL. MINIMUM EMBEDMENT LENGTH SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
 - #3 BARS -- 4.5" #7 BARS -- 10.5" #4 BARS -- 6.0" #8 BARS -- 12.0" #5 BARS -- 7.5"
- #6 BARS -- 9.0" N. MECHANICAL COUPLERS SHALL BE UNI-AXIAL TYPE CAPABLE OF DEVELOPING 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR IN TENSION. O. ALL REINFORCING SHALL LAPPED OR DOWELED IN ACCORDANCE WITH ACI 318 AS FOLLOWS, UNLESS NOTED OTHERWISE: SPLICE BARS WITH CONTACT LAPS. UNLESS NOTED OTHERWISE
- USE CLASS B SPLICES, UNLESS NOTED OTHERWISE . USE CLASS A SPLICE LENGTHS FOR DOWEL EMBEDMENT LENGTH
- P. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE. Q. SEE ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, DRIP SLOTS, REGLETS, MASONRY, ANCHORS, BRICK LEDGE ELEVATIONS AND FOR MISCELLANEOUS EMBEDDED
- PLATES, BOLTS, ANCHORS, ANGLES, ETC. R. ALL STRUCTURAL STEEL MUST BE PROTECTED BY 3" OF CONCRETE WHERE EARTH WOULD OTHERWISE BE IN CONTACT WITH STEEL S. PROVIDE WATERSTOPS IN BELOW GRADE CONSTRUCTION JOINTS AND AT OTHER LOCATIONS
- AS INDICATED. T. PROVIDE THE FOLLOWING ADDITIONAL REINFORCING UNLESS OTHERWISE CALLED FOR ON STRUCTURAL PLANS CORNER BARS AT ALL CORNERS AND INTERSECTIONS OF CONCRETE WALLS. GRADE BEAMS AND FOOTINGS TO MATCH HORIZONTAL REINFORCING PROVIDE #4 SLAB DOWELS AT 12" O.C. AT DOORS, UNLESS OTHERWISE NOTED
- BARS AT OPENINGS IN SLABS AND WALLS: PROVIDE BARS WITH AREA EQUAL TO INTERRUPTED REINFORCING. PLACE ½ AT EACH SIDE OF OPENING. U. CONCRETE WALLS SHALL HAVE CONSTRUCTION JOINTS NOT FURTHER THAN 100'-0"
- APART. UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER. CONSTRUCTION JOINT LOCATIONS SHOULD BE PROVIDED TO THE STRUCTURAL ENGINEER IN WRITING PRIOR TO PROCEEDING WITH THE WORK.
- V. THE STRUCTURAL ENGINEER SHALL BE NOTTETED FOR INSPECTION OF REBAR PLACEMENT. NOTICE SHALL BE GIVEN NOT LESS THAN 24 HOURS PRIOR TO CONCRETE PLACEMENT. 3.2 SLABS-ON-GRADE
- A. PROVIDE CONSTRUCTION OR CONTROL JOINTS IN SLAB-ON-GRADE AS INDICATED IN THE STRUCTURAL DRAWINGS. IF JOINT PATTERN IS NOT INDICATED, PROVIDE JOINTS AT 15 FEET (+/-) IN BOTH DIRECTIONS AND LOCATED TO CONFORM TO BAY SPACING WHEREVER POSSIBLE (AT COLUMN CENTERLINES. HALF BAYS. THIRD BAYS. ETC.).
- B. FLOOR SLAB CONSTRUCTION SHALL CONFORM TO GUIDELINES OF ACI 302. FLOOR FINISHED SURFACE SHALL CONFORM TO THE ACI 302 TOLERANCES FOR FLATNESS
- AND LEVELNESS NUMBERS (FF/FL) SPECIFIED PROVIDE COMPRESSIBLE FILLER AND SEALANT IN SLAB-ON-GRADE AND WALL AND
- COLUMN INTERFACES THAT ARE NOT DOWELED TOGETHER SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS. E. AT FLOOR DRAINS, LOCALLY SLOPE FLOOR TOWARDS DRAIN. SEE DOCUMENTS FROM OTHER DISCIPLINES FOR DRAIN LOCATIONS.
- SLABS-ON-METAL DECK (COMPOSITE AND NON-COMPOSITE) A. CONCRETE THICKNESS INDICATED IS NOMINAL. CONTRACTOR SHALL PLACE CONCRETE FOR SLABS SO THAT THE FINISHED SURFACE IS SCREEDED LEVEL TO AN ELEVATION WITHIN 1/4" OF THE TOP OF SLAB ELEVATION SHOWN ON PLANS. CONTRACTOR SHALL ALLOW FOR THE DEFLECTION OF THE FLOOR ASSEMBLY DUE TO THE WET WEIGHT OF THE CONCRETE WHEN CALCULATING CONCRETE QUANTITY.
- B. PROVIDE SLAB BOLSTERS, HIGH CHAIRS, AND #5 SUPPORT BARS AS NECESSARY TO AINTAIN PROPER PLACEMENT OF REINFORCING. C. FLOOR SLAB CONSTRUCTION SHALL CONFORM TO GUIDELINES OF ACI 302. FLOOR
- FINISHED SURFACE SHALL CONFORM TO THE ACI 302 TOLERANCES FOR FLATNESS AND LEVELNESS NUMBERS (FF/FL) SPECIFIED. D. CONSIDERATION SHALL BE GIVEN TO SEQUENCING OF CONCRETE PLACEMENT SO AS
- TO CONTROL FINISH ELEVATIONS WITHIN THE SPECIFIED LIMITS. E. SEE COMPOSITE BEAM NOTES FOR SHORING REQUIREMENTS AT COMPOSITE SLABS.

PART 4 - REINFORCED MASONRY

4.1 GENERAL

TYPES:

CONTRACTOR.

OPFRATTONS.

TN POSTTION

A. GENERAL

A. MASONRY CONSTRUCTION SHALL COMPLY WITH THE ACI "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" -ACI 530-13. B. PROVIDE CONCRETE UNIT MASONRY THAT DEVELOPS THE FOLLOWING MINIMUM NET-AREA COMPRESSIVE STRENGTH (F'M) AT 28-DAYS: 2000 PSI. . GROUT SHALL CONFORM TO ASTM C476. GROUT SHALL BE PROPORTIONED WITH A SLUMP OF 8" TO 11" USING 3/8" NOMINAL MAXIMUM SIZE COURSE AGGREGATE. D. MORTAR SHALL COMPLY WITH THE REQUIREMENTS OF ASTM C270 AND BE OF THE FOLLOWING WALLS BELOW GRADE: ΤΥΡΕ Μ

TYPE M OR S BEARING WALLS: INTERIOR NON-BEARING: TYPE N

. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, DEFORMED BARS, UNLESS NOTED OTHERWISE. WELDING OF ASTM A615, GRADE 60 REINFORCING IS NOT ALLOWED. F. REINFORCING STEEL TO BE WELDED SHALL BE ASTM A706, DEFORMED BARS. . PROVIDE STANDARD LADDER [OR TRUSS] TYPE HORIZONTAL JOINT REINFORCING CONFORMING TO ASTM A951, SPACED AT 16" ON CENTER, UNLESS NOTED OTHERWISE. PROVIDE PREFABRICATED CORNER AND TEE UNITS AT CORNERS AND INTERSECTIONS. ALL JOINT REINFORCING SHALL BE OF TYPE 304 STAINLESS STEEL COMPLYING WITH ASTM A167 OR SHALL BE GALVANIZED AS FOLLOWS: 1. ALL JOINT REINFORCEMENT IN EXTERIOR WALLS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153. 2. ALL JOINT REINFORCEMENT IN INTERIOR WALLS SHALL BE MILL GALVANIZED

IN ACCORDANCE WITH ASTM A641. H. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING AT BOND BEAM CORNERS AND INTERSECTIONS MASONRY SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE. J. RAKE BACK MORTAR AND CUT 50% OF HORIZONTAL JOINT REINFORCING AT CONTROL

BOND BEAM REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL JOINTS. .. DOWELS FROM CAST-IN-PLACE CONCRETE SHALL MATCH THE VERTICAL REINFORCEMENT IN THE WALL ABOVE UNLESS NOTED OTHERWISE. SUCH DOWELS SHALL BE FURNISHED BY THE CONCRETE CONTRACTOR 1. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH THE VERTICAL BLOCK CORE.

IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN 6 VERTICAL. DOWELS MAY BE GROUTED INTO A CELL ADJACENT TO THE VERTICAL WALL REINFORCING. N. REINFORCING SHALL BE LAPPED 48 BAR DIAMETERS (OR 24" MINIMUM) WITH CONTACT LAP SPLICES. JOINT REINFORCING SHALL BE LAPPED 6". O. VERTICAL REINFORCING SHALL BE CENTERED IN WALL, UNLESS NOTED OTHERWISE. BARS SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT

EXCEEDING 192 DIAMETERS OF THE REINFORCING. P. VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4" FROM MASONRY OR ADJACENT BARS AND NOT LESS THAN ONE BAR DIAMETER BETWEEN BARS NOT SPLICED. GROUT VERTICAL REINFORCED CELLS AND BOND BEAMS SOLID. GROUT SOLID ALL ADDITIONAL CELLS AS NOTED ON DRAWINGS. Q. REINFORCING STEEL SHALL BE SECURED IN PLACE AND INSPECTED BEFORE GROUTING

R. VERTICAL GROUTING MAY BE EITHER "LOW LIFT" OR "HIGH LIFT" AT THE CONTRACTOR'S OPTION. GROUT PLACEMENT SHALL BE IN ACCORDANCE WITH ACI 530. S. GROUT CONCRETE MASONRY BELOW GRADE SOLID. GROUT CAVITIES OF MULTI-WYTHE

WALLS BELOW GRADE. T. ALL VERTICAL CELLS TO BE GROUTED SHALL HAVE VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 2"X 3". U. GROUTING SHALL BE STOPPED 1-1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KFY TN THF POUR JOINT V. GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS

W. ALL BOLTS, ANCHORS, ETC., INSERTED IN THE WALLS SHALL BE GROUTED SOLID X. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS OF DOOR AND WINDOW OPENINGS FOR SPECIAL COURSING AND OTHER MASONRY DETAILS. THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS IS INTENDED TO DEFINE THE STRUCTURAL

REOUIREMENTS ONLY Y. CONDUITS, PIPES, AND SLEEVES SHALL BE NO CLOSER THAN 3 DIAMETERS ON CENTER. MAXIMUM AREA OF VERTICAL CONDUITS, PIPES, OR SLEEVES PLACED IN COLUMNS OR PILASTERS SHALL NOT DISPLACE MORE THAN 2 PERCENT OF THE NET CROSS SECTION Z. SEE PROJECT SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR MASONRY VENEER ANCHORS

PART 5 – METALS 5.1 STRUCTURAL STEEL

d. BOLTS:

1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" -ANSI/AISC 360-16 2. ALL STEEL PERMANENTLY EXPOSED TO VIEW SHALL BE DESIGNATED AS ARCHITECTURALLY

EXPOSED STRUCTURAL STEEL 3. MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE. a. ANGLES, BASE PLATES & CONN. PLATES (U.N.O) ASTM A36 b. WELDING ELECTRODES: MATCHING STRENGTH, 70 KSI MIN. STRUCTURAL PIPE: ASTM A500, GRADE B (FY = 42 KSI)

ASTM A325, 3/4" DIAMETER (MIN.), HEX HEAD e. HSS STRUCTURAL TUBE: SO. & RECT. ASTM A500. GRADE C ASTM F1554, GRADE 36 WITH A36 WASHERS AND HEAVY HEX NUTS f. ANCHOR RODS: a. W'S AND WT'S ASTM A992 h. C & MC SHAPES ASTM A36 THREADED ROD: ASTM A36 HEADED STUDS: AWS D1.1, TYPE B

4. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE (EDITION AS REFERENCED IN THE DESIGN BUILDING CODE), EXCEPT AS MODIFIED IN THESE NOTES, WITHIN THE DRAWINGS, AND/OR IN THE PROJECT SPECIFICATIONS 5. DETAIL STEEL BEAM CONNECTIONS AS SIMPLE SPAN BEAMS, UNLESS NOTED OTHERWISE. a. MINIMUM BEAM SHEAR REACTION IS 16 KIPS. b. INSTALLED BOLTS SHALL BE SNUG TIGHT.

6. BEAM CONNECTIONS SHALL BE AS INDICATED ON THE STRUCTURAL DRAWINGS. MINIMUM BEAM SHEAR REACTION IS 10 KIPS. INSTALLED BOLTS SHALL BE SNUG TIGHT 7. BEAM CONNECTION SHALL BE PROVIDED WITH THE FOLLOWING MINIMUM NUMBER OF ROWS OF

BOLTS (EXCEPT REDUCE NO. OF ROWS BY ONE WHERE BEAM IS UPSET AT JOIST CONSTRUCTION) BFAM DFPTH NO. OF ROWS OF BOLTS

8" OR 10" 12" OR 14"....

8. BEAM CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR. CONNECTIONS MAY BE WELDED OR BOLTED. CONNECTIONS SHOWN ON STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. ALL CONNECTIONS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE COMMONWEALTH OF PENNSYLVANIA, RETAINED BY THE FABRICATOR. COMPLETELY DETAILED MEANS THE FOLLOWING INFORMATION IS SHOWN ON THE

DETAIL DRAWINGS a. ALL PLATE DIMENSIONS AND GRADES. b. ALL WELD SIZES, LENGTHS, PITCHES AND RETURNS.

. ALL HOLE STZES AND SPACINGS NUMBER AND TYPE OF BOLTS: WHERE BOLTS ARE SHOWN BUT NO NUMBER IS GIVEN, THE CONNECTION HAS NOT BEEN COMPLETELY DETAILED. e. WHERE PARTIAL INFORMATION IS GIVEN, IT SHALL BE THE MINIMUM REQUIREMENT FOR THE

9. MOMENT CONNECTIONS ARE DESIGNATED ON THE STRUCTURAL DRAWINGS. WHERE MOMENT MAGNITUDE IS NOT SHOWN, THE CONNECTION SHALL BE DESIGNED FOR THE FULL MOMENT CAPACITY OF THE BEAM. 10. BOLTED CONNECTIONS:

a. SLIP-CRITICAL TYPE CONNECTIONS OF A325-SC OR A490-SC BOLTS SHALL BE USED FOR ALL BOLTED CONNECTIONS OF BRACING MEMBERS AS SHOWN ON THE DRAWINGS. OVERSIZED AND LONG-SLOTTED HOLES ARE NOT ALLOWED FOR SLIP-CRITICAL CONNECTIONS. ALL OTHER BOLTED CONNECTIONS SHALL BE SNUG TIGHT BEARING CONNECTIONS.

A307 BOLTS MAY BE USED WHERE SPECIFICALLY INDICATED PROTRUDING BOLT HEADS, SHAFTS OR NUTS SHALL NOT EXTEND INTO NOR PROHTBTT THE APPLITCATION OF ARCHITECTURAL ETNISHES AND THEY SHALL NOT EXTEND INTO NOR PROHIBIT THE PLACEMENT OF STEEL DECKING TO THE CORRECT LINE AND ELEVATIONS. e. THE FABRICATOR IS RESPONSIBLE FOR VERIFYING THE TENSION CAPACITY OF AXIAL LOADED MEMBERS AFTER A SECTION IS REDUCED FOR BOLT HOLES.

MEMBER SIZE MAY BE INCREASED OR CONNECTION PLATES ADDED AS REQUIRED. f. SHOP DRAWINGS SHALL INDICATED THE TYPE OF BOLTS USED IN EACH CONNECTION AND THE ALLOWABLE VALUES USED FOR THE VARIOUS BOLT TYPES. 11. WELDED CONNECTIONS:

a. ALL WELDING SHALL BE IN ACCORDANCE WITH THE "STRUCTURAL WELDING CODE" (AWS D1.1-LATEST EDITION). USE MINIMUM E70 ELECTRODES. ALL WELDING SHALL BE DONE ONLY BY OPERATORS WHO MEET THE QUALIFICATIONS AND TESTS PRESCRIBED IN THE STANDARD QUALIFICATIONS PROCEDURE OF THE AMERICAN WELDING SOCIETY. c. ALL GROOVE WELDS SHALL BE COMPLETE PENETRATIONS, U.N.O.

12. BOLTED CONNECTIONS DESIGNATED AS FULLY TENSIONED SHALL BE INSTALLED WITH DIRECT-TENSION INDICATOR WASHERS OR TENSION-CONTROL BOLTS. 13. SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER. 14. NO CHANGE IN SIZE OR POSITION OF THE STRUCTURAL ELEMENTS SHALL BE

MADE AND HOLES, SLOTS, CUTS, ETC., ARE NOT PERMITTED THROUGH ANY MEMBER UNLESS THEY ARE DETAILED ON THE SHOP DRAWINGS AND APPROVED BY THE ENGINEER OF RECORD.

15. THE MINIMUM PLATE THICKNESS SHALL BE 3/8", THE MINIMUM BOLT DIAMETER SHALL BE 3/4". THE MINIMUM WELD SHALL BE 3/16" AND THE MINIMUM DESIGN LOAD ON ANY CONNECTION SHALL BE 10 KIPS.

16. ALL BEAMS. EXCEPT CANTILEVER BEAMS. SHALL BE FABRICATED WITH THE MILL CAMBER UP. CANTILEVER BEAMS SHALL BE FABRICATED SO THAT NATURAL CAMBER RAISES CANTILEVER END.

- 17. THE FRAME OF THE STEEL SKELETON SHALL BE CARRIED UP TRUE AND PLUMB AND TEMPORAR) BOLTING AND BRACING SHALL BE INTRODUCED TO SAFELY CARRY ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED (INCLUDING EQUIPMENT AND THE OPERATION OF SAME) UNTIL INSTALLATION OF ALL PERMANENT BRACING IS COMPLETE. INDIVIDUAL COLUMNS MUST BE BRACED BEFORE CONNECTIONS ARE MADE AND BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY. NO FINAL BOLTING OR WELDING SHALL BE DONE UNTIL AS MUCH OF THE STRUCTURE AS WILL BE STIFFENED THEREBY HAS BEEN PROPERLY ALIGNED AND PLUMBED.
- 18. ALL COLUMN BASE PLATES SHALL BE SET ON STEEL SHIMS TO TRUE LEVEL LINE. GENERAL CONTRACTOR SHALL RAM A NON-SHRINK GROUT SOLIDLY UNDER ENTIRE BASE PLATE AREA. PROVIDE 1" MINIMUM DEPTH NON-SHRINK GROUT BELOW PLATES (U.N.O.).
- 19. ALL STEEL BEAMS BEARING ON CONCRETE OR MASONRY SHALL HAVE 8" MINIMUM BEARING, UNLESS NOTED OTHERWISE.0 20. PROVIDE WALL ANCHORS 3/4" X 1'-9" AT MASONRY BEARING ENDS AT ALL STRUCTURAL STEEL
- BEARING WALLS, UNLESS NOTED OTHERWISE. SEE TYPICAL DETAILS. 21. WHERE ITEMS ARE TO BE ANCHORED TO CONCRETE OR MASONRY, EXCEPT AT COLUMN BASEPLATES,
- USE STANDARD SIZED HOLES IN STEEL MEMBER, UNLESS NOTED OTHERWISE. 22. USE PREOUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND AWS D1.1:2000. NON-PREOUALIFIED JOINTS SHALL BE OUALIFIED PRIOR TO FABRICATION B. STEEL LINTELS AND SHELF ANGLES
 - 1. LOOSE LINTELS FOR VENEER MASONRY SHALL BE AS FOLLOWS (LLV): L3-1/2X3-1/2X5/16 FOR SPANS LESS THAN 4'-11 L5X3-1/2X5/16 FOR SPANS BETWEEN 5'-0" AND 7'-11" L6X3-1/2X3/8 FOR SPANS BETWEEN 8'-0" AND 9'-11"
 - 17X4X3/8FOR SPANS BETWEEN 10'-0" AND 11'-11' 2. EXTERIOR LINTELS WHETHER LOOSE OR ATTACHED TO THE STRUCTURE SHALL BE GALVANIZED AND PAINTED. CONTRACTOR SHALL COORDINATE WITH THE STRUCTURAL DRAWINGS AND DOCUMENTS OF
 - THER DISCIPLINES FOR OPENINGS AND SHELF ANGLE ELEVATIONS. SHELF ANGLES SUPPORTING MASONRY SHALL BE FABRICATED IN LENGTHS OF 8' -12', UNLESS SHOWN OTHERWISE. SHELF ANGLES SHALL BE PLACED WITH A 1/4" - 1/2" OPEN BUTT JOINT AT EACH END TO PROVIDE FOR THERMAL EXPANSION OF THE STEEL. BUTT JOINTS SHALL BE KEPT CLEAN OF MORTAR. ALL CORNER OF THE HORIZONTAL LEGS OF ADJACENT ANGLES SHOULD BE MITERED TO PROVIDE CONTINUOUS SUPPORT FOR THE MASONRY AT CORNERS.

DRAWN:	AB						
CHECKED:	JE						
DATE:	4/7/2023						
SHEET NAM	SHEET NAME:						
GENED	AL NOTES						
GENER	AL NUIEJ						
SHEET NUM	BER:						
SON	S001						
PROJECT PI	HASE:						
CONSTRUC	CTION DOCUMENTS						

12" = 1'-0"

30" X 42"

5800 Chester Ave

PROJECT #: 2020

SCALE

FORMAT:

Philadelphia, PA 19143

DATE: DESCRIPTION FRANCIS J. MYERS **RECREATION CENTER** SITE AND BUILDING IMPROVEMENTS

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Philadelphia, PA 19104 CITY OF PHILADELPHIA Department of Parks and Recreation

REBUILD 1515 Arch Street Mezzanine Level

PART 5 - METALS (CONT'D. FROM SOO1)

5.2 POST-INSTALLED ANCHORS A. POST-INSTALLED MECHANICAL ANCHORS

1.	POST-INSTALLED MECHANICAL ANCHORS SHALL ONLY BE USED WHERE SPECIFIED	Α.	GEN	ERAL
	ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER		1.	DECK SHALL B
	OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED		2.	END CLOSURES
	CAST-TN-PLACE ANCHORS, CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH			ACCESSORIES
	EXISTING REBAR, DO NOT CUT EXISTING RETNEORCING, HOLES SHALL BE DRILLED.		3.	AT SUPPORTS
	CLEANED AND INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS			SHIMS AT FAS
2	INITESS SPECIFIED OTHERWISE ANCHORS SHALL BE EMBEDDED IN THE APPROPRIATE			SUPPORT.
	SUBSTRATE WITH A MINIMUM EMBEDMENT OF & TIMES THE NOMINAL ANCHOR		4	STEEL DECK S
	DIAMETER OF THE EMERIMENT DEPTH REQUIRED TO SUPPORT THE INTENDED LOAD		••	AND ROOF OPFI
R	ANCHOR CARACTLY IS DEPENDENT HOON SPACING RETWEEN ADJACENT ANCHORS		5	WHERE DECK T
5.	AND DROYTMITY OF ANCHORS TO FOCE OF CONCRETE OF MASONRY INSTALL		5.	WITH DESIGN
	AND FROM THIS OF ANCHORS TO EDGE OF CONCRETE ON PROVINCE. INSTALL		6	
	ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON		0.	
4	THE DRAWINGS.			
4.	SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN INUSE LISTED BELOW,			
	MUSI BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD			CAFACITI AND
	PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING	D	сте	
	THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE	D.	1	EL ROUF DECK
	VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED		т.	NUTTH WANGE (CI
	BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING		r	
	CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND		2.	
_	AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS		5.	STEEL ROOF DI
5.	PROVIDE CARBON STEEL FINISH FOR ALL ANCHORS, U.N.O. STAINLESS STEEL		4.	STEEL ROOF D
	ANCHORS SHALL BE PROVIDED WHERE ANCHORS WILL BE PERMANENTLY EXPOSED			FASTEN DECK
	TO WEATHER.		_	AI 6" 0.C., 0
6.	EXCEPT WHERE INDICATED ON THE DRAWINGS, ANCHORS SHALL BE AS FOLLOWS:		5.	DO NOT SUPPO
	a. CONCRETE EXPANSION ANCHORS:			FROM THE ROO
	ALL CONCRETE EXPANSION ANCHORS SHALL MEET THE REQUIREMENTS OF ACI 318,	_		
	APPENDIX D AND SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.2 AND	С.	COM	POSITE STEEL
	ICC-ES AC193 FOR CRACKED CONCRETE AND SEISMIC APPLICATION.		1.	COMPOSITE ST
	PRE-APPROVED PRODUCTS INCLUDE:			IN ACCORDANC
	HILTI KWIK BOLT TZ (ICC-ES ESR-1917)			- SLABS," (L
	SIMPSON STRONG BOLT 2 (ICC-ES ESR-3037)		2.	COMPOSITE ST
	HILTI HSL-3 (ICC-ES ESR-1545)			SHOWN ON THE
	HILTI HDA UNDERCUT ANCHOR (ICC-ES ESR-1546)		3.	COMPOSITE ST
	SIMPSON TORO-CUT ANCHOR (ICC-ES ESR-2705		4.	UNLESS NOTED
				REQUIRED FOR
	b. GROUTED MASONRY EXPANSION ANCHORS:			PSF CONSTRUC
	ALL MECHANICAL ANCHORS INTO GROUT-FILLED CONCRETE MASONRY UNITS SHALL HAVE			ALLOWABLE CO
	BEEN TESTED IN ACCORDANCE WITH ICC-ES AC01.		5.	THE COMPOSIT
	PRE-APPROVED PRODUCTS INCLUDE:			NEED FOR TEM

- HILTI KWIK 3 (ICC-ES ESR-1385) SIMPSON STRONG BOLT 2 (ICC-ES ESR-3037)
- SIMPSON WEDGE ALL (ICC-ES ESR-1396) HILTI HSL-3 (ICC-ES ESR-1545) HILTI HDA UNDERCUT ANCHOR (ICC-ES ESR-1546)

CONTRACTOR MUST ADHERE TO MANUFACTURER'S REQUIREMENTS FOR ANCHOR SPACING

	AND LOCATION.	
POS	ST-INSTALLED ADHESIVE ANCHORS	
1.	POST-INSTALLED ADHESIVE SHALL ONLY BE USED WHERE SPECIFIED ON THE	
	DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER	5.5
	OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED	A
	CAST-IN-PLACE ANCHORS. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH	
	EXISTING REBAR. DO NOT CUT EXISTING REINFORCING. HOLES SHALL BE DRILLED	
	AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS.	
2.	UNLESS SPECIFIED OTHERWISE, ANCHORS SHALL BE EMBEDDED IN THE APPROPRIATE	
	SUBSTRATE WITH A MINIMUM EMBEDMENT OF 8 TIMES THE NOMINAL ANCHOR	
	DIAMETER OR THE EMBEDMENT DEPTH REQUIRED TO SUPPORT THE INTENDED LOAD.	
3.	ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS	
	AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE OR MASONRY. INSTALL	
	ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON	
	THE DRAWINGS.	
1	SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED RELOW	

- MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC-ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS.
- 5. PROVIDE CARBON STEEL FINISH FOR ALL ANCHORS, U.N.O. STAINLESS STEEL ANCHORS SHALL BE PROVIDED WHERE ANCHORS WILL BE PERMANENTLY EXPOSED TO WFATHER. 6. EXCEPT WHERE INDICATED ON THE DRAWINGS, ANCHORS SHALL BE AS FOLLOWS:
- a. CONCRETE ADHESIVE ANCHORS: ALL CONCRETE ADHESIVE ANCHORS SHALL MEET THE REQUIREMENTS OF ACI 318, APPENDIX D AND SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. PRE-APPROVED PRODUCTS INCLUDE:
 - HILTI HIT-HY 200 (ICC-ES ESR-3187) HILTI HIT-RE 500-SD(ICC-ES ESR-2322) SIMPSON STRONG-TIE AT-XP (IAPMO-UES ER-263)
 - SIMPSON STRONG-TIE ET-HP (ICC-ES ESR-3372) SIMPSON STRONG-TIE SET-XP (ICC-ES ESR-2508)
- b. GROUTED MASONRY ADHESIVE ANCHORS: ALL ADHESIVE ANCHORS INTO GROUT-FILLED CONCRETE MASONRY UNITS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED PRODUCTS INCLUDE: HILTI HIT-HY 70 (ICC-ES ESR-2682)
 - SIMPSON STRONG-TIE AT-XP (IAPMO-UES ER-281) SIMPSON STRONG-TIE ET-HP (IAPMO-UES ER-241)
 - SIMPSON STRONG-TIE SET-XP (IAPMO-UES ER-265) CONTRACTOR MUST ADHERE TO MANUFACTURER'S REQUIREMENTS FOR ANCHOR SPACING
- AND LOCATION. c. HOLLOW CMU OR UNREINFORCED BRICK MASONRY ADHESIVE ANCHORS: ALL ADHESIVE ANCHORS INTO GROUT-FILLED CONCRETE MASONRY UNITS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC106.
 - PRE-APPROVED PRODUCTS INCLUDE: HILTI HIT-HY 70 (ICC-ES ESR-3342)
 - SIMPSON STRONG-TIE AT-XP (IAPMO-UES ER-281) SIMPSON STRONG-TIE ET-HP (IAPMO-UES ER-241) SIMPSON STRONG-TIE SET-XP (IAPMO-UES ER-265)

CONTRACTOR MUST ADHERE TO MANUFACTURER'S REQUIREMENTS FOR ANCHOR SPACING AND LOCATION.

TIMBER ROOF DECK."

GENERAL

5.4 STEEL DECK

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS (2018 IBC, TABLE 1705.6)

		FREQU	JENCY			
	VERIFICATION AND INSPECTION	<u>CONTINUOUS</u>	PERIODIC	REFERENCED STANDARD		
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATION ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	Х	-			
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	х				
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		х			
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Х				
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	Х				

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (2018 IBC, TABLE 1705.3)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT.		Х	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
3. INSPECT ANCHORS CAST IN CONCRETE		Х	ACI 318: 17.8.2	
 4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A. 	х	х	ACI 318: 17.8.2.4 ACI 318: 17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX.		х	ACI 318: CH. 19, 26.4.3.26.4.4	1904.1, 1904.2, 1908.2,1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	х		ASTM C172 ASTM C31 ACI 318: 26.5,26.12	1908.10
7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	х		ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		Х	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		Х	ACI 318: 26.11.1.2(B)	

REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (2018 IBC, SECTION 1705.4)

	TYPE OF IN	DEMADIZE	
SPECIAL INSPECTION ITEM	CONTINUOUS	PERIODIC	- REMARKS
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.		Х	
2. Verification of compressive strength of masonry prior to construction and for every 5,000 square feet during construction.		Х	
 Verification of proportions of materials in premixed or preblended mortar and grout as delievered to the site. 		Х	
4. As masonry construction begins, verify that the following are in compliance:			
a. Proportions of site-prepared mortar and grout.		Х	
b. Placement of masonry units and construction of mortar joints.		Х	
c. Location of reinforcement and control joints.		Х	
5. Prior to grouting, verify that the following are in compliance:			
a. Grout space.	Х		
b. Grade, type and size of reinforcement and anchor bolts.		Х	
c. Placement of reinforcement.		Х	
d. Proportions of site-prepared grout.		Х	
e. Construction of mortar joints.		Х	
6. Verify during construction:			
a. Size and location of structural elements.		Х	
 Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction. 	Х		
c. Welding of reinforcement (if permitted).	Х		
 d. Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F). 		Х	
e. Placement of grout.	Х		
7. Preparation of any required grout specimens and/or prisms shall be observed:	Х		

SHALL BE CONTINUOUS OVER 3 SPANS, UNLESS NOTED OTHERWISE. CLOSURES, ROOF SUMPS, CLOSURES AT PENETRATIONS, AND ALL OTHER SSORIES NECESSARY FOR A COMPLETE INSTALLATION ARE REQUIRED. JPPORTS PARALLEL TO THE DECK SPAN, RAISE STEEL SUPPORTS OR PROVIDE 5 AT FASTENING POINTS IF THE DECK VALLEY DOES NOT ENGAGE THE

_ DECK SUPPLIER SHALL COORDINATE SIZE AND LOCATION OF ALL FLOOR ROOF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. E DECK IS WELDED TO SUPPORTS, PROVIDE WELDING WASHERS FOR DECK DESIGN THICKNESS LESS THAN 0.028". ONTRACTOR'S OPTION, HILTI X-EDN AND ENP FASTENING SYSTEMS OR APPROVED _ MAY BE USED IN LIEU OF WELDS TO SUPPORTS. SUBMIT REQUEST FOR FITUTION IN WRITING ALONG WITH DOCUMENTATION INDICATING EQUIVALENT CITY AND STIFFNESS WILL BE ACHIEVED.

DECK SHALL BE DESIGNED, FABRICATED, AND INSTALLED IN ACCORDANCE "ANSI/SDI STANDARD FOR STEEL ROOF DECK," (LATEST EDITION). DECK SHALL BE GALVANIZED. _ ROOF DECK PROFILE AND GAGE ARE SHOWN ON THE PLANS. ROOF DECK SHALL BE FASTENED TO SUPPORTS AS NOTED ON THE DRAWINGS. EN DECK UNITS TO PERIMETER SUPPORTS AND ALL OTHER DECK BOUNDARIES ' O.C., UNLESS NOTED OTHERWISE. DT SUPPORT DUCTS, CEILINGS, LIGHTS, PLUMBING, SPRINKLERS, ETC. THE ROOF DECK.

E STEEL FLOOR DECK DSITE STEEL FLOOR DECK SHALL BE DESIGNED, FABRICATED, AND INSTALLED CORDANCE WITH "ANSI/SDI STANDARD FOR COMPOSITE STEEL FLOOR DECK ABS," (LATEST EDITION). OSITE STEEL FLOOR DECK PROFILE, GAGE, AND SLAB REINFORCING ARE N ON THE PLANS.

SITE STEEL FLOOR DECK SHALL BE GALVANIZED. SS NOTED OTHERWISE, TEMPORARY SHORING OF COMPOSITE DECK IS NOT IRED FOR ANTICIPATED CONSTRUCTION LOAD (WET CONCRETE PLUS 20 CONSTRUCTION LOAD). SEE SPECIFICATIONS FOR DEFLECTION LIMITATION. WABLE CONSTRUCTION LOADS SHALL BE SHOWN ON THE ERECTION DRAWINGS. COMPOSITE STEEL FLOOR DECK MANUFACTURER SHALL INVESTIGATE THE FOR TEMPORARY SHORING. IF REQUIRED, THE MANUFACTURER SHALL BE DESIGN AND INDICATES SHORING REQUIREMENTS ON THE SHOP DRAWINGS. 6. CONTRACTOR SHALL FURNISH THE ADDITIONAL CONCRETE DUE TO WEI CONCREIE DEFLECTION OF THE COMPOSITE DECK. 7. COMPOSITE STEEL FLOOR DECK SHOP DRAWINGS SHALL INDICATE THE TYPE, SIZE, AND SHEAR VALUE AND LAYOUT OF SHEAR CONNECTORS (S.C.) REQUIRED FOR COMPOSITE BEAMS. SEE SPECIFICATIONS, COMPOSITE BEAM NOTES, AND DRAWINGS FOR S.C. REQUIREMENTS. 8. COMPOSITE STEEL FLOOR DECK SHALL BE FASTENED TO SUPPORTS AS NOTED ON THE DRAWINGS. FASTEN DECK UNITS TO PERIMETER SUPPORTS AND ALL OTHER DECK BOUNDARIES AT 6" O.C., UNLESS NOTED OTHERWISE. COLD-FORMED METAL FRAMING (CFMF)

COLD-FORMED METAL FRAMING SHALL BE FABRICATED, AND ERECTED IN ACCORDANCE WITH "AISI S200 NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS" AND "AISI S100 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (EDITIONS REFERENCED BY APPLICABLE BUILDING CODE). 2. COLD-FORMED METAL FRAMING SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH "AISI S200 NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING – GENERAL PROVISIONS" AND "AISI S100 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (EDITIONS REFERENCED BY APPLICABLE BUILDING CODE) 3. ALL STUD AND TRACK DESIGNATIONS ARE BASED ON THE "STEEL STUD MANUFACTURER'S ASSOCIATION - PRODUCT TECHNICAL GUIDE". ALTERNATES MAY BE SUBMITTED WHICH EQUAL OR EXCEED THE PROPERTIES OF THE SPECIFIED MEMBER WHEN APPROVED IN WRITING BY THE ENGINEER OF RECORD. 4. ALL FRAMING SHALL BE GALVANIZED MEETING ASTM A625, G-60 (OR EQUIVALENT). TOUCH UP ALL WELDS AND DAMAGED AREAS WITH APPROVED GALVANIZING TOUCH-UP 5. ALL CONNECTIONS SHALL BE WELDED U.N.O. WELDING SHALL BE IN ACCORDANCE WITH "AWS D1.2, STRUCTURAL WELDING CODE - SHEET STEEL." 6. AT LOAD-BEARING METAL STUD WALLS, PROVIDE A MINIMUM OF 10" OF UNPUNCHED 7. WHERE STEEL ANGLES OR OTHER STEEL SHAPES ARE WELDED TO METAL STUDS, CONNECT METAL TRACKS TO METAL STUDS WITH WELDS, NOT SCREWS.

A. STANDARDS: "TIMBER CONSTRUCTION MANUAL" BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (LATEST EDITION). "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY NATIONAL FOREST PRODUCTS ASSOCIATION (LATEST EDITION). B. PROVIDE 1"x3" OR EQUIVALENT METAL CROSS BRIDGING NOT OVER 8 FEET ON CENTER C. 2x JOISTS SHALL NOT BE NOTCHED GREATER THAN 1" FROM THE BOTTOM OF THE JOISTS AND SHALL NOT HAVE A LENGTH GREATER THAN 3'-6" FROM THE CENTER LINE D. ALL LUMBER SHALL CONFORM TO THE SPECIES AND FULLY RECOGNIZE NOMINAL SIZES SHOWN ON THE FLOOR PLANS OR TRUSS ENGINEERS DESIGNS. ALL MEMBERS SHALL BE CUT FROM LUMBER, WHICH BEARS THE PROPER GRADEMARK STAMP OF A RECOGNIZED GRADING ASSOCIATION OR LICENSED LUMBER INSPECTION AGENCY. NO LUMBER SHALL BE USED WHICH DOES NOT APPEAR TO CONFORM TO THE PROPER DIMENSIONS AND/OR . AT WALL CONSTRUCTION PROVIDE BLOCKING AT ALL EDGES OF SHEATHING. PROVIDE DOUBLE JOISTS UNDER NON-BEARING WALL PARALLEL TO JOISTS.

PROVIDE 2x BLOCKING BETWEEN FLOOR JOISTS AT INTERIOR BEARING WALLS. H. BEAMS AND STRINGERS SHALL BE SOUTHERN PINE NO. 1 WITH THE FOLLOWING

C. E = 1,600,000 PSI UNLESS OTHERWISE NOTED ON PLAN I. FLOOR DECKING WITH THE FOLLOWING MINIMUM PROPERTIES:

J. POSTS AND TIMBERS SHALL BE SOUTHERN PINE NO 1 WITH THE FOLLOWING MINIMUM

A. PLYWOOD SHOULD BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORT. B. FLOOR: 3/4" THICK, CDX EXPOSURE I, 5 PLY WITH A 48/24 APA SPAN RATING. . ROOF: 1/2" THICK, CDX EXPOSURE I, 5 PLY WITH A 32/16 APA SPAN RATING. D. REFER TO THE INTERNATIONAL BUILDING CODE (IBC) FOR ADDITIONAL

M. PROVIDE TRIPLE WOOD STUD BUILT-UP COLUMNS AT EACH END OF BEAM OR HEADER N. PROVIDE SIMPSON OR EQUAL STANDARD COLUMN BASES, COLUMN CAP, JOISTS HANGERS AND BEAM HANGERS WHERE REQUIRED FOR FLOOR AND ROOF FRAMING. O. NAILING SHALL CONFORM TO THE NAILING SCHEDULE ACCORDING TO THE IBC OR AS INDICATED ON DRAWINGS FOR DIAPHRAGM AND SHEAR WALLS. P. ALL WOOD FRAMING IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED. Q. THE QUANTITY AND SIZE OF FASTENERS CONNECTING WOOD FRAME MEMBERS TOGETHER AND SHEATHING MATERIALS TO WOOD FRAME MEMBERS SHALL NOT BE LESS THAN THAT SPECIFIED IN TABLE 2304.9.1 OF IBC 2018.

ATTACH SHEATHING AS INDICATED PER IBC 2018. B. PROVIDE H-CLIPS MIDWAY BETWEEN TIMBER ROOF FRAMING.

A. DECKING SHALL CONFORM TO AITC 112, "STANDARD FOR TONGUE AND GROOVE HEAVY B. DECKING SHALL CONSIST OF RANDOM LENGTHS PLACED IN A CONTROLLED RANDOM LAY-UP, CONTINUOUS OVER THREE OR MORE EQUAL SPANS.

SPECIES AND QUALITY GRADE: DOUGLAS FIR, SELECT. . SOLID TIMBER DECKING, IN COMBINATION WITH A PLYWOOD OVERLAY, IS DESIGNED TO FUNCTION AS A DIAPHRAGM. PLYWOOD AND NAILING PATTERNS SHALL BE PER IBC 2018.

STRUCTURAL STEEL - WELDING SECTION			
STEEL INSPECTION <u>PRIOR TO</u> WELDING - VERIFY THE FOLLOWING ARE IN COMPLIANCE 2018 IBC 1705.2.1, AISC 360-16: TABLE C-N5.4-1			
TASK	INSPECTION TYPE ¹	DESCRIPTION	
1. VERIFY THAT THE WELDING PROCEDURES SPECIFICATION (WPS) IS AVAILABLE	PERFORM	-	
2. VERIFY MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES ARE AVAILABLE	PERFORM	-	
3. VERIFY MATERIAL IDENTIFICATION	PERFORM	TYPE AND GRADE	
4. WELDER IDENTIFICATION SYSTEM	PERFORM	THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.	
5. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)	OBSERVE	 JOINT PREPARATION DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION) BACKING TYPE AND FIT (IF APPLICABLE) 	
6. CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE	-	
7. FIT-UP OF FILLET WELDS	OBSERVE	 DIMENSIONS (ALIGNMENT, GAPS AT ROOT) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION) 	
STEEL INSPECTION <u>DURING</u> WELDING - VERIFY THE FC 2018 IBC 1705.2.1, AISC 360-16: TABLE C-N5.4-2	DLLOWING ARE IN COM	PLIANCE	
8. USE OF QUALIFIED WELDERS	PERFORM	WELDING BY WELDERS, WELDING OPERATORS, AND TACK WELDERS WHO ARE QUALIFIED IN CONFORMANCE WITH REQUIREMENTS	
9. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	PACKAGING ELECTRODE ATMOSPHERIC EXPOSURE CONTROL	
10. NO WELDING OVER CRACKED TACK WELDS	OBSERVE	-	
11. ENVIRONMENTAL CONDITIONS	OBSERVE	WIND SPEED WITHIN LIMITS PRECIPITATION AND TEMPERATURE	
12. WELDING PROCEDURES SPECIFICATION FOLLOWED	OBSERVE	 SETTINGS ON WELDING EQUIPMENT TRAVEL SPEED SELECTED WELDING MATERIALS SHIELDING GAS TYPE/ FLOW RATE PREHEAT APPLIED INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX.) PROPER POSITION (F,V,H,OH) INTERMIX OF FILLER METALS AVOIDED 	
13. WELDING TECHNIQUES	OBSERVE	INTERPASS AND FINAL CLEANING EACH PASS WITHIN PROFILE LIMITATIONS EACH PASS MEETS QUALITY REQUIREMENTS	
STEEL INSPECTION <u>AFTER</u> WELDING - VERIFY THE FOL 2018 IBC 1705.2.1, AISC 360-16: TABLE C-N5.4-3	LOWING ARE IN COMP	LIANCE	
14. WELDS CLEANED	OBSERVE	-	
15. SIZE, LENGTH, AND LOCATION OF ALL WELDS	PERFORM	SIZE, LENGTH, AND LOCATION OF ALL WELDS CONFORM TO THE REQUIREMENTS OF THE DETAIL DRAWINGS	
16. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM & DOCUMENT	 CRACK PROHIBITION WELD/ BASE-METAL FUSION CRATER CROSS SECTION WELD PROFILES WELD SIZE UNDERCUT POROSITY 	
17. ARC STRIKES	PERFORM	-	
18. K-AREA	OBSERVE	WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS	
19. BACKING REMOVED, WELD TABS REMOVED AND FINISHED, AND FILLET WELDS ADDED WHERE REQUIRED	OBSERVE	-	
20. REPAIR ACTIVITIES	PERFORM & DOCUMENT	-	
21. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	OBSERVE	-	

REQUIRED INSPECTION & NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS (2018 IBC, SECTION 1705.2.1)

¹PERFORM:

END SECTION

PERFORM THESE TASKS FOR EACH WELD, FASTENER OR BOLTED CONNECTION, AND REQUIRED VERIFICATION OBSERVE THESE ITEMS ON A RANDOM SAMPLING BASIS DAILY TO INSURE THAT APPLICABLE REQUIREMENTS ARE ¹OBSERVE: MET. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECITONS AT CONTRACTOR'S RISK

STRUCTURAL STEEL - BOLTING SECTION

STEEL INSPECTION TASKS <u>PRIOR TO</u> BOLTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE 2018 IBC 1705.2.1, AISC 360-16: TABLE C-N5.6-1			
	TASK	INSPECTION TYPE ¹	DESCRIPTION
1.	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	PERFORM	-
2.	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE	-
3.	PROPER FASTENERS SELECTED FOR JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	OBSERVE	-
4.	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE	-
5.	CONNECTING ELEMENTS, INCLUDING APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	OBSERVE	-
6.	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	OBSERVE	-
STE 201	STEEL INSPECTION TASKS <u>DURING</u> BOLTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE 2018 IBC 1705.2.1, AISC 360-16: TABLE C-N5.6-2		
7.	FASTENER ASSEMBLIES OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	OBSERVE	-
8.	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION	OBSERVE	-
9.	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE	-
10.	BOLTS ARE PRETENSIONED IN ACCORDANCE WITH RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	OBSERVE	-
STEEL INSPECTION TASKS <u>AFTER</u> BOLTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE 2018 IBC 1705.2.1, AISC 360-16: TABLE C-N5.6-3			
11.	DOCUMENT ACCEPTANCE OR REJECTION OF ALL BOLTED CONNECTIONS	DOCUMENT	-

END SECTION

¹PERFORM: ¹OBSERVE:

PERFORM THESE TASKS FOR EACH WELD, FASTENER OR BOLTED CONNECTION, AND REQUIRED VERIFICATION. OBSERVE THESE ITEMS ON A RANDOM SAMPLING BASIS DAILY TO INSURE THAT APPLICABLE REQUIREMENTS ARE MET. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS AT CONTRACTOR'S RISK. ¹DOCUMENT: DOCUMENT IN A REPORT THAT THE WORK HAS BEEN PERFORMED AS REQUIRED. THIS IS IN ADDITION TO ALL OTHER REQUIRED REPORTS.

STRUCTURAL STEEL - NON DESTRUCTIVE TESTING SECTION NONDESTRUCTIVE TESTING OF WELDED JOINTS - VERIFY THE FOLLOWING ARE IN COMPLIANCE

2018 IBC 1705.2.1, AISC 360-16: TABLE C-N5.5		
TASK	INSPECTION TYPE ¹	DESCRIPTION
1. USE OF QUALIFIED NONDESTRUCTIVE TESTING PERSONNEL	PERFORM	VISUAL WELD INSPECTION AND NONDESTRUCTIVE TESTING (NDT) SHALL BE CONDUCTED BY PERSONNEL QUALIFIED IN ACCORDANCE WITH AWS D1.8 CLAUSE 7.2
2. CJP GROOVE WELDS	OBSERVE	DYE PENETRANT TESTING (DT) AND ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 20% OF CJP GROOVE WELDS FOR MATERIALS GREATER THAN 5/16" (8MM) THICK. TESTING RATE MUST BE INCREASED TO 100% IF GREATER THAN 5% OF WELDS TESTED HAVE UNACCEPTABLE DEFECTS
3. WELDED JOINTS SUBJECT TO FATIGUE	OBSERVE	DYE PENETRANT TESTING (DT) AND ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 100% OF WELDED JOINTS IDENTIFIED ON CONTRACT DRAWINGS BEING SUBJECT TO FATIGUE
4. WELDED TAB REMOVAL SITES	OBSERVE	AT THE END OF WELDS WHERE WELD TABS HAVE BEEN REMOVED, MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON THE SAME BEAM- TO-COLUMN JOINTS RECEIVING UT

END SECTION

RECREATION CENTER SITE AND BUILDING IMPROVEMENTS	
5800 Cheste Philadelphia,	r Ave , PA 19143
PROJECT #:	2020
SCALE:	12" = 1'-0"
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023
SHEET NAME: GENERAL NOTES	
SHEET NUM	1BER: 2
PROJECT P	HASE: CTION DOCUMENTS

\square	DATE:	DESCRIPTION:

FRANCIS J. MYERS

Wilmington, DE 19801 v 302.656.9600 www.brightfields.com LEED CONSULTANT DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557

www.databasedplus.com

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600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644 COST ESTIMATING

Suite 1910 Philadelphia, PA 19102 v 267.217.1612 LIGHTING DESIGN
The Lighting Practice

dbHMS

1500 Walnut St

230 South Broad Street Suite 604 Philadelphia, PA 19102 v 215.790.0727 www.groundreconsidered.com MEP/FP ENGINEER

Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 LANDSCAPE ARCHITECT **Ground Reconsidered**

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Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 STRUCTURAL ENGINEER
David Mason & Associates

Philadelphia, PA 19107 v 215.627.0808 www.digsau.com CIVIL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130

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Philadelphia, PA 19102

CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor

1515 Arch Street Mezzanine Level Philadelphia, PA 19104

<u>CLIENT</u> Rebuild

S011 PROJECT PHASE: **CONSTRUCTION DOCUMENTS**

SHEET NUMBER:

TYPICAL FOUNDATION DETAILS

PROJECT #:	2020	
SCALE:	As indicated	
FORMAT:	30" X 42"	
DRAWN:	AB	
CHECKED:	JE	
DATE:	4/7/2023	
SHEET NAME:		

5800 Chester Ave Philadelphia, PA 19143

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v 215.375.6059 LANDSCAPE ARCHITECT Ground Reconsidered 230 South Broad Street Suite 604 Philadelphia, PA 19102

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DETAILS
SHEET NUMBER:
S012
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

DATE:	4/7/2023	
SHEET NAME:		
TYPICAL		
FOUNDATION		
FOUND	ATION	

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

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Philadelphia, PA 19102

Department of Parks and Recreation

2 ELEVATOR FOUNDATION DETAIL S013 Scale: NTS

1 TYPICAL CONCRETE STAIR SECTION S013 Scale: 3/4" = 1'-0"

DETAILS
SHEET NUMBER:
0040
5013
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

DRAWN: AB CHECKED: JE DATE: 4/7/2023 SHEET NAME: TYPICAL FOUNDATION

PROJECT #: 2020 SCALE: NTS 30" X 42" FORMAT:

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TYPICAL CMU WALL VERTICAL CONTRACTION JOINT DETAIL S021 Scale: 1" = 1'-0"

TYPICAL MASONRY DETAILS
SHEET NUMBER:
S021
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

TYPICAL MASONRY				
SHEET NAME:				
I				
DATE:	4/7/2023			
CHECKED:	JE			
DRAWN:	AB			
FORMAT:	30" X 42"			
SCALE:	1" = 1'-0"			
PROJECT #:	2020			

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CLEAR SPAN

6'-0" OR LESS OVER 6'-0" TO 8'-0" OR LESS

OVER 8'-0" TO

10'-0"

NOTES:

PREFABRICATED "L" & "T" AND TYPICAL DETAILS—

(2)-#5 CONT----

FLOOR SLAB, SEE PLAN-----

APPROVAL STAMP AREA

DWLS SAME SIZE AND SPACING AS VERT

WALL BARS-

6 S022 Scale: 1" = 1'-0"

REINFORCEMENT REQUIREMENTS IN NOMINAL CMU LINTEL SECTIONS									
4"x8"	4"x16"	6"x8"	6"x16"	8"x8"	8"x16"	10"x8"	10"x16"	12"x8"	12"x16"
1-#4	\ge	1-#5	\times	2-#4	\ge	2-#5	\ge	2-#5	\geq
N/A	1-#4	N/A	1-#5	N/A	2-#4	N/A	2-#5	N/A	2-#5
N/A	1-#4	N/A	1 <i>-</i> #6	N/A	2-#5	N/A	2-#6	N/A	2-#6

1. SCHEDULED LINTELS ARE TO BE USED IN ALL MASONRY WALLS INDICATED ON ARCHITECTURAL OR STRUCTURAL DRAWINGS WHERE OPENINGS ARE REQUIRED (UNO). COORDINATE WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR ADDITIONAL REQUIRED OPENINGS. OPENINGS LESS THAN 16" IN WIDTH DO NOT REQUIRE LINTELS. 2. UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL OR STRUCTURAL PLANS OR DETAILS, CONTRACTOR MAY USE STEEL LINTELS OR CMU LINTELS IN NON-LOAD BEARING WALLS AT THEIR OPTION. 3. CMU BOND BEAM LINTEL WIDTH SHALL BE THE SAME AS THE WALL SUPPORTED. 4. FILL CMU BOND BEAM LINTELS SOLID WITH GROUT CONFORMING TO SPECIFICATIONS.

BOTOM OF THE UNIT. 6. CMU BOND BEAM LINTELS SHALL BEAR A MINIMUM OF 8" EACH END. 7. LINTELS SCHEDULED AS 16" HIGH MAY BE EITHER TYPE "B" OR TYPE "C" AS DETAILED BELOW.

5. UNLESS OTHERWISE NOTED, REINFORCEMENT IN CMU BOND BEAM LINTELS IS TO BE PROVIDED IN ONE LAYER IN THE

8. NOMINAL DIMENSIONS ARE BLOCK WIDTH x BLOCK DEPTH. 9. CMU BOND BEAM LINTELS SHALL BE CONTINUOUSLY SHORED UNTIL MORTAR AND GROUT ACHIEVE 100% OF THEIR DESIGNATED 28-DAY COMPRESSIVE STRENGTH.

4 TYPICAL NON-LOAD BEARING CMU LINTEL SCHEDULE S022 Scale: 3/4" = 1'-0"

VERTICA REINFORCEME				
WALL		OPENI		
HEIGHT	<8'-0"	10'-0"		
10'-0"	2-#4	2-#5		
12'-0"	2-#5	2-#6		
14'-0"	4-#5	4-#6		
16'-0"	4-#6	6-#5		
18'-0"	6-#6	6-#7		

5 TYPICAL CMU WALL REINFORCEMENT DETAIL S022 Scale: 1" = 1'-0"

NOMINAL ELEMENT WIDTH	SPAN	STE
	6'-0" or LESS	L3 1/2
4"	0VER 6'-0" to 8'-0"	L5x 3 1
	OVER 8'-0" to 10'-0"	L6x3 ²
	6'-0" or LESS	2 - L3 1/2>
6"	0VER 6'-0" to 8'-0"	2 - L3 1/2
	OVER 8'-0" to 10'-0"	
	6'-0" or LESS	2 - L3 1
8"	0VER 6'-0" to 8'-0"	2 - L5x3
	OVER 8'-0" to 10'-0"	2 - L6x3
	6'-0" or LESS	L4 3x5/16 (LLH
10"	0VER 6'-0" to 8'-0"	W8x15 \
	OVER 8'-0" to 10'-0"	W8x15 \
	6'-0" or LESS	W8x15 V
12"	0VER 6'-0" to 8'-0"	W8x15 V
	OVER 8'-0" to 10'-0"	W8x15 W

3 TYPICAL STRUCTURAL STEEL LOOSE LINTEL SCHEDULE S022 Scale: 3/4" = 1'-0"

2 DETAIL AT STEEL ROOF DECK S022 Scale: 1" = 1'-0"

1 TYPICAL CMU LATERAL RESTRAINT S022 Scale: 1" = 1'-0"

SCALE: As indicated FORMAT: 30" X 42" DRAWN: AB CHECKED: JE DATE: 4/7/2023 SHEET NAME: TYPICAL MASONRY DETAILS SHEET NUMBER: SHEET NUMBER: SHEET NUMBER: PROJECT PHASE: CONSTRUCTION DOCUMENTS		
FORMAT: 30" x 42" DRAWN: AB CHECKED: JE DATE: 4/7/2023 SHEET NAME: TYPICAL MASONRY DETAILS SHEET NUMBER: SHEET NUMBER: SHEET NUMBER: PROJECT PHASE: CONSTRUCTION DOCUMENTS	SCALE:	As indicated
DRAWN: AB CHECKED: JE DATE: 4/7/2023 SHEET NAME: TYPICAL MASONRY DETAILS SHEET NUMBER: SHEET NUMBER: PROJECT PHASE: CONSTRUCTION DOCUMENTS	FORMAT:	30" X 42"
CHECKED: JE DATE: 4/7/2023 SHEET NAME: TYPICAL MASONRY DETAILS SHEET NUMBER: SO22 PROJECT PHASE: CONSTRUCTION DOCUMENTS	DRAWN:	AB
DATE: 4/7/2023 SHEET NAME: TYPICAL MASONRY DETAILS SHEET NUMBER: SO22 PROJECT PHASE: CONSTRUCTION DOCUMENTS	CHECKED:	JE
SHEET NAME: TYPICAL MASONRY DETAILS SHEET NUMBER: SO22 PROJECT PHASE: CONSTRUCTION DOCUMENTS	DATE:	4/7/2023
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SHEET NUMBER: SO22 PROJECT PHASE: CONSTRUCTION DOCUMENTS		
SO22 PROJECT PHASE: CONSTRUCTION DOCUMENTS		
PROJECT PHASE: CONSTRUCTION DOCUMENTS	SHEET NUM	/BER:
CONSTRUCTION DOCUMENTS	SHEET NUR	^{ABER:}
	SHEET NUN SO2 PROJECT P	ABER: 22 PHASE:

5800 Chester Ave Philadelphia, PA 19143

FRANCIS J. MYERS **RECREATION CENTER** SITE AND BUILDING **IMPROVEMENTS**

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4 TYPICAL ROOF DECK OPENING DETAIL (<12") S031 Scale: 1" = 1'-0"

3 TYPICAL ROOF DECK OPENING DETAIL (12"<OPENING<24") S031 Scale: 1" = 1'-0"

AISC 2-12 MIN

φ BEAM

SEE

PLAN

-----SEE PLAN NOTES FOR ANGLE OR BENT PLATE

B/ DECK EL: SEE PLAN

TYPICAL STEEL DETAILS
SHEET NUMBER:
S031
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

PROJECT #:	2020			
SCALE:	As indicated			
FORMAT:	30" X 42"			
DRAWN:	AB			
CHECKED:	JE			
DATE:	4/7/2023			
SHEET NAME:				

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5 TYPICAL COLUMN TRANSFER DETAIL (HSS TUBE COLUMN) S032 Scale: NTS

R	LIENT EBUILD			
1t M Pl	ezzanine L hiladelphia	otreet ∟evel , PA 19104		
0 C D 15 Pl	WNER ITY OF PH epartment 515 Arch S niladelphia	IILADELPHIA of Parks and Recr treet, 10th Floor , PA 19102	reation	
3 D 11 P A D 3 P > 와 이 D 11 3 P 와 > 이 D 11 3 P 와 > 신 O 2 3 P > 와 M D 13 P > 비 F 6 3 P > 이 D 13 P > 비 B 8 와 > 와 비 D 3 C > 와	RCHITECT RCHITECT IGSAU IO North 12 hiladelphia 215.627.03 ww.digsau IVIL ENGII avid Maso 23 S. Broad uite 1130 hiladelphia ww.davidm 215.375.60 <u>TRUCTUR</u> avid Maso 23 S. Broad uite 1130 hiladelphia ww.davidm 215.375.60 <u>ANDSCAP</u> round Rec 30 South B uite 604 hiladelphia 215.790.01 ww.ground EP/FP EN 00 Walnur uite 1910 hiladelphia 215.790.01 ww.ground EP/FP EN 00 Walnur uite 1910 hiladelphia 267.217.10 <u>GHTING E</u> haram Cor 19 Chestru uite 300 hiladelphia 205T ESTII haram Cor 19 Chestru uite 300 hiladelphia 205T ESTII haram Cor 19 Chestru uite 300 hiladelphia 205T ESTII haram Cor 19 Chestru uite 300 hiladelphia 2015.238.10 MURONM rightfields 0 XI ENTI 10 Chestru 0 XI ENTI 10 Chestru 10 Chest	of Parks and Recr of Parks and Recr itreet, 10th Floor , PA 19102 2th Street, Suite 42 , PA 19107 808 .com <u>NEER</u> on & Associates d St , PA 19109 ason.com 059 <u>AL ENGINEER</u> on & Associates d St , PA 19109 ason.com 059 <u>E ARCHITECT</u> considered road Street , PA 19102 727 dreconsidered.com <u>GINEER</u> t St , PA 19102 612 <u>DESIGN</u> g Practice at Street , PA 19106 644 <u>MATING</u> nsulting nut Street , PA 19103 560 <u>ENTAL CONSULT</u> 5 , Inc. al Street DE 19801 600 ields.com <u>SULTANT</u> • Stoeet, Suite 510 6054 557 isedplus.com	reation 21	
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DIGSAU

ABBREVIATIONS LE	GEND		S	SYMBOLS LEGEND)
11. SEE DRAWING S	201 FOR STEEL COL	LOWIN SCHEDOLE.			
10. SEE GENERAL N	OTES AND TYPICAL	DETAIL SHEETS FO	OR ADDITIONAL	CONSTRUCTION I	NFORMATION.

BEARING CAPACITY PRIOR TO PLACEMENT OF FORMS OR REINFORCING STEEL.

8. SEE ARCH DWG'S FOR WATERPROOFING AND INSULATING REQUIREMENTS AND LOCATIONS.

1. TOP OF SLAB ELEVATION SHALL BE [-8' - 4 3/4"] RELATIVE TO CIVIL DATUM [+85.42'] (UNO)

. TYPICAL FLOOR SLAB (UNO) SHALL BE 5" CONCRETE SLAB-ON-GRADE W/ 6x6-W2.9xW2.9 WWR (UNO).

5. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL AND MEP FP DRAWINGS.

6. AT ALL LOCATIONS WERE PIPING RUNS BENEATH OR THROUGH CONCRETE FOUNDATION WALLS SEE DETAILS.

. PROVIDE THICKENED SLAB BELOW ALL NON-LOAD BEARING CMU WALLS AS INDICATED ON THE ARCHITECTURAL DRAWINGS. SEE

IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.

4. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT

ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS AND EXTENTS. SEE TYPICAL DETAILS FOR THICKENED SLAB AND TOP OF WALL RESTRAINT.

PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT

9. PER THE GEOTECHNICAL REPORT (SEE GENERAL NOTES), FOUNDATIONS HAVE BEEN DESIGNED USING A MAXIMUM ALLOWABLE BEARING PRESSURE OF 4,000 PSF. CONTRACTOR SHALL ALLOW OWNERS GEOTECHNICAL ENGINEER TO OBSERVE SUBGRADE CONDITIONS TO CONFIRM

CJ	INDICATES CONTRACTION/ CONSTRUCTION JOINT
FS	INDICATES FOOTING STEP
P # [-FT'-IN"]	DENOTES PIER TYPE T/ PIER EL: [-1' - 0"] (UNO) SEE PIER SCHEDULE ON S202
F # [-FT'-IN"]	DENOTES FOOTING TYPE T/FOOTING ELEVATION AS NOTED ON PLANS SEE FOOTING SCHEDULE ON S202
T/ WALL	INDICATES TOP OF WALL ELEVATION
T/ SLAB	INDICATES TOP OF SLAB ELEVATION

7. ALL FOOTINGS TO BE CENTERED ON COLUMN PIERS (UNO).

FOUNDATION PLAN NOTES

SYMBOLS LEGEND				
	INDICATES SLAB STEP			
<u></u>	INDICATES DOOR ENTRANCE CONDITION T/ WALL ELEVATION SHALL BE [-1' - 0"] (UNO)			
*	INDICATES NON-LOAD BEARING CMU WALLS. COORD. LOCATIONS AND WALL TYPES W/ ARCH. DWGS. ALL W. SHALL BE REINFORCED VERTICALLY WITH (1) - #5 BAR 24" OC WITH 9 GAGE HORIZONTAL JOINT REINFORCING @ 16" OC. ALL WALLS SHALL BE FULLY GROUTED.			
	INDICATES SLAB DEPRESSION. COORDINATE LOCATIC AND DEPTHS W/ ARCH. DWGS.			

TROJECT#.	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023
SHEET NAM FOUND - BASE RENOV	ATION PLAN MENT ATION
SHEET NUN	/BER:
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JII	U
PROJECT P	PHASE:

PROJECT #: 2020

5800 Chester Ave Philadelphia, PA 19143

FRANCIS J. MYERS **RECREATION CENTER** SITE AND BUILDING IMPROVEMENTS

DATE: DESCRIPTION:

www.brightfields.com LEED CONSULTANT DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com

Philadelphia, PA 19103 v 610.554.6560 ENVIRONMENTAL CONSULTANT Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801 v 302.656.9600

Suite 772 Philadelphia, PA 19106 v 215.238.1644 COST ESTIMATING Dharam Consulting 1719 Chestnut Street Suite 300

LIGHTING DESIGN The Lighting Practice 600 Chestnut Street

<u>MEP/FP ENGINEER</u> dbHMS 1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612

LANDSCAPE ARCHITECT Ground Reconsidered 230 South Broad Street Suite 604 Philadelphia, PA 19102 v 215.790.0727 www.groundreconsidered.com

STRUCTURAL ENGINEER
David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059

www.digsau.com 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059

<u>CIVIL ENGINEER</u> David Mason & Associates

Philadelphia, PA 19107 v 215.627.0808

ARCHITECT DIGSAU 340 North 12th Street, Suite 421

1515 Arch Street, 10th Floor Philadelphia, PA 19102

Philadelphia, PA 19104 <u>OWNER</u> CITY OF PHILADELPHIA Department of Parks and Recreation

CLIENT REBUILD 1515 Arch Street

Mezzanine Level

FRAMING PLAN NOTES:

- 1. TOP OF BEAM ELEVATIONS NOTED ON PLAN THUS [+FT" IN"] ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
- 2. FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN. 3. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ÉLEVATIONS WITH ARCHITECTURAL DRAWINGS
- PRIOR TO START OF WORK. 4. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS.
- 5. EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN/ 360. SEE
- ARCHITECTURAL DETAILS. 6. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
- 7. ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED.
- 8. FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED. 9. SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

FRAMING PLAN LEGEND:

D1	INDICATES DIRECTION OF SPAN OF FLOOR DECK. FLOOR DECK TO BE 3/4" THICK, CDX EXPOSURE I, 5 PLY WITH A 48/24 APA SPAN RATING. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
D2	INDICATES SPAN OF FLOOR DECK. FLOOR DECK TO BE USG STRUCTURAL PANEL CONCRETE SUBFLOOR. SEE ARCH. DWGS. FOR ADD'L. INFO.
2x [±FT' - IN"]	INDICATES T/ BM. ELEVATION SEE PLAN NOTE #1
EOD	INDICATES EDGE OF DECK

SHEET NAME: FRAMING PLAN - LEVEL 1 RENOVATION
SHEET NUMBER:
PROJECT PHASE: CONSTRUCTION DOCUMENTS

Philadelphia, PA 19143 PROJECT #: 2020 SCALE: As indicated FORMAT: 30" X 42" DRAWN: AB CHECKED: JE DATE: 4/7/2023

5800 Chester Ave

FRANCIS J. MYERS **RECREATION CENTER** SITE AND BUILDING IMPROVEMENTS

DATE: DESCRIPTION:

Wilmington, DE 19801 v 302.656.9600 www.brightfields.com LEED CONSULTANT DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com

600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644 COST ESTIMATING
Dharam Consulting

1719 Chestnut Street

801 Industrial Street

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ENVIRONMENTAL CONSULTANT Brightfields, Inc.

Suite 300

<u>MEP/FP ENGINEER</u> dbHMS 1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612 LIGHTING DESIGN
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STRUCTURAL ENGINEER David Mason & Associates

123 S. Broad St Suite 1130

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<u>OWNER</u> CITY OF PHILADELPHIA 1515 Arch Street, 10th Floor Philadelphia, PA 19102

1515 Arch Street Mezzanine Level Philadelphia, PA 19104 Department of Parks and Recreation

<u>CLIENT</u> REBUILD

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. PROVIDE THICKENED SLAB BELOW ALL NON-LOAD BEARING CMU WALLS AS INDICATED ON THE ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS AND EXTENTS. SEE TYPICAL DETAILS FOR THICKENED SLAB AND TOP OF WALL RESTRAINT.

. TYPICAL FLOOR SLAB (UNO) SHALL BE 5" CONCRETE SLAB-ON-GRADE W/ 6x6-W2.9xW2.9 WWR (UNO).

- 4. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT 5. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL AND MEP FP DRAWINGS. 6. AT ALL LOCATIONS WERE PIPING RUNS BENEATH OR THROUGH CONCRETE FOUNDATION WALLS SEE DETAILS.
- IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
- 7. ALL FOOTINGS TO BE CENTERED ON COLUMN PIERS (UNO). 8. SEE ARCH DWG'S FOR WATERPROOFING AND INSULATING REQUIREMENTS AND LOCATIONS. 9. PER THE GEOTECHNICAL REPORT (SEE GENERAL NOTES), FOUNDATIONS HAVE BEEN DESIGNED USING A MAXIMUM ALLOWABLE BEARING PRESSURE OF 4,000 PSF. CONTRACTOR SHALL ALLOW OWNERS GEOTECHNICAL ENGINEER TO OBSERVE SUBGRADE CONDITIONS TO CONFIRM
- BEARING CAPACITY PRIOR TO PLACEMENT OF FORMS OR REINFORCING STEEL.
- 10. SEE GENERAL NOTES AND TYPICAL DETAIL SHEETS FOR ADDITIONAL CONSTRUCTION INFORMATION. 11. SEE DRAWING S201 FOR STEEL COLUMN SCHEDULE.

FOUNDATION PLAN NOTES 1. TOP OF SLAB ELEVATION SHALL BE [+0' - 0"] RELATIVE TO CIVIL DATUM [+85.42'] (UNO)

ABBREVIATIONS LEGEND SYMBOLS LEGEND INDICATES SLAB STEP CJ INDICATES CONTRACTION/ CONSTRUCTION JOINT INDICATES DOOR ENTRANCE CONDITION T/ WALL ELEVATION SHALL BE [-1' - 0"] (UNO) INDICATES FOOTING STEP FS Р# DENOTES PIER TYPE [-FT'-IN"] ALL PIERS SHALL BE P1 (UNO) INDICATES NON-LOAD BEARING CMU WALLS. COORD. LOCATIONS AND WALL TYPES W/ ARCH. DWGS. ALL WALL T/ PIER EL: [-1' - 0"] (UNO) SHALL BE REINFORCED VERTICALLY WITH (1) - #5 BAR @ SEE PIER SCHEDULE ON S202 24" OC WITH 9 GAGE HORIZONTAL JOINT RÈINFORCING F # DENOTES FOOTING TYPE @ 16" OC. ALL WALLS SHALL BE FULLY GROUTED. ELEVATION AS NOTED ON PLANS [-FT'-IN"] SEE SCHEDULE ON S202 INDICATES SLAB DEPRESSION. COORDINATE LOCATIONS AND DEPTHS W/ ARCH. DWGS. T/ WALL INDICATES TOP OF WALL ELEVATION INDICATES TOP OF SLAB ELEVATION T/ SLAB BF-X >><〔 DENOTES BRACED FRAME TYPE

APPROVAL STAMP AREA

1 LEVEL 1 ADDITION - FOUNDATION PLAN S111B Scale: 1/8" = 1'-0"

Philadelphia, PA 19102
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v 215.375.6059 <u>STRUCTURAL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109
www.davidmason.com v 215.375.6059 <u>LANDSCAPE ARCHITECT</u> Ground Reconsidered 230 South Broad Street
Suite 604 Philadelphia, PA 19102 v 215.790.0727 www.groundreconsidered.com <u>MEP/FP ENGINEER</u> dbHMS
1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice
600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644 <u>COST ESTIMATING</u> Dharam Consulting
Suite 300 Philadelphia, PA 19103 v 610.554.6560 <u>ENVIRONMENTAL CONSULTANT</u> Brightfields, Inc. 801 Industrial Street
Wilmington, DE 19801 v 302.656.9600 www.brightfields.com <u>LEED CONSULTANT</u> DataBased+ 303 W Erie Street, Suite 510
Chicago, IL 60654 v 312.915.0557 www.databasedplus.com
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DATE: DESCRIPTION: FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS 5800 Chester Ave Philadelphia, PA 19143
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DATE: DATE: DESCRIPTION: FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS 5800 Chester Ave Philadelphia, PA 19143 PROJECT #: 2020 SCALE: As indicated FORMAT: 30" X 42" DRAWN: AB CHECKED: JE DATE: 4/7/2023 SHEET NAME: FOUNDATION PLAN - LEVEL 1 ADDITION SHEET NUMBER: SHEET NUMBER: SHEET NUMBER:
PROJECT #: 200 SCALE: As indicated FORMAT: 30" X 42" DRAWN: AB CHECKED: JE DATE: 4/7/2023 SHEET NAME: FOUNDATION PLAN - LEVEL 1 ADDITION SHEET NUMBER: SHEET NUMBER: COJECT PHASE: CONSTRUCTION DOCUMENTS

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(E) W24 BELOW (E) DROPPED TIMBER GIRDER-

(E) STL. HSS POST UP TÝP. (3) LOCS.

(E) STAIR OPNG. SÉE ARCH. DWGS.

ROOF FRAMING PLAN NOTES:

FRAMING PLAN NOTES:

REQUIREMENTS.

ARCHITECT.

FRAMING PLAN LEGEND:

2x [±FT' - IN"]

EOD

PRIOR TO START OF WORK.

ARCHITECTURAL DETAILS.

1. TOP OF BEAM ELEVATIONS NOTED ON PLAN THUS [+FT" - IN"] ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION

2. FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN.

3. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ÉLEVATIONS WITH ARCHITECTURAL DRAWINGS

CAPABLE OF ACCOMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN/ 360. SEE

WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND

6. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF

PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY

7. ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE

9. SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

INDICATES DIRECTION OF SPAN OF FLOOR DECK. FLOOR DECK TO BE 3/4" THICK, CDX EXPOSURE I, 5 PLY

WITH A 48/24 APA SPAN RATING. SEE GENERAL NOTES FOR

8. FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED.

STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED.

ADDITIONAL INFORMATION.

INDICATES T/ BM. ELEVATION

INDICATES EDGE OF DECK

SEE PLAN NOTE #1

EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE

4. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ASSEMBLY FIRE RATING AND FIREPROOFING

5. EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE

- 1. TOP OF TIMBER BEAM ELEVATIONS NOTED ON PLAN THUS [+FT" IN"] ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
- 2. STEEL FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN. 3. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS
- PRIOR TO START OF WORK. 4. SEE ARCHITECTURAL DRAWINGS FOR ROOF ASSEMBLY FIRE RATING AND FIREPROOFING
- REQUIREMENTS. 5. EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE
- CAPABLE OF ACCOMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN/ 360. SEE ARCHITECTURAL DETAILS. 6. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY
- ARCHITECT. 7. ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED.
- 8. FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED. 9. SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

ROOF FRAMING PLAN LEGEND:

RD3	INDICATES DIRECTION OF SPAN OF ROOF DECK. ROOF DECK TO BE 1/2" THICK, CDX EXPOSURE I, 5 PLY WITH A 32/16 APA SPAN RATING. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
2x [±FT' - IN"]	INDICATES T/ BM. ELEVATION SEE PLAN NOTE #1
EOD	INDICATES EDGE OF DECK

1 LEVEL 2 RENOVATION - FRAMING PLAN S112A Scale: 1/8" = 1'-0"

KEY PLAN EXISTING ADDITION

<u>CLIENT</u> REBUILD 1515 Arch Street Mezzanine Level Philadelphia, PA 19104			
OWNER CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102			
ARCHITECT DIGSAU 340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808			
<u>CIVIL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com			
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LIGHTING DESIGN The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106			
v 215.238.1644 <u>COST ESTIMATING</u> Dharam Consulting 1719 Chestnut Street			
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FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING			
5800 Chester Ave			
Philadelphia, PA 19143			
PROJECT #: 2020 SCALE: As indicated FORMAT: 30" X 42"			
DRAWN. AB CHECKED: JE DATE: 4/7/2023			
SHEET NAME: FRAMING PLAN -			
LEVEL 2 RENOVATION			
SHEET NUMBER:			
S117A			
S112A PROJECT PHASE:			

DIGSAU

RD2	INDICATES DIRECTION OF SPAN OF ROOF DECK. ROOF DECK TO BE 1 1/2" TYPE B (20 GA MIN) DECK INSTALLED IN 3 SPAN CONDITION W/36/4 5/8" DIAMETER WELD PATTERN AND (2) WELDED SIDE LAP CONNECTIONS PER SPAN, SEE GENERAL NOTES
▶	INDICATES MOMENT CONNECTION
Wx [±FT' - IN"]	INDICATES T/ STEEL ELEVATION SEE PLAN NOTE #1
EOD	INDICATES EDGE OF DECK
BF-X	DENOTES BRACED FRAME TYPE

INDICATES ROOF AREA TO BE OVER-FRAMED WITH

CONNECTOR ROOF ADDITION - FRAMING PLAN

S112B Scale: 1/8" = 1'-0"

DATE:	DESCRIPTION:
FRANCI RECREA SITE AN IMPRON 5800 Cheste Philadelphia	IS J. MYERS ATION CENTER ID BUILDING /EMENTS er Ave , PA 19143
PROJECT #: SCALE: FORMAT: DRAWN: CHECKED: DATE:	2020 As indicated 30" X 42" AB JE 4/7/2023
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<u>OWNER</u> CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor

CLIENT REBUILD 1515 Arch Street Mezzanine Level Philadelphia, PA 19104

FRAMING PLAN NOTES:

- 1. TOP OF BEAM ELEVATIONS NOTED ON PLAN THUS [+FT" IN"] ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
- 2. FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN. 3. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK.
- 4. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS.
- 5. EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN/ 360. SEE ARCHITECTURAL DETAILS.
- ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE
- WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY
- ARCHITECT. 7. ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE
- STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED. 8. FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED. 9. SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

FRAMING PLAN LEGEND:

D1	INDICATES DIRECTION OF SPAN OF FLOOR DECK. FLOOR DECK TO BE 3/4" THICK, CDX EXPOSURE I, 5 PLY WITH A 48/24 APA SPAN RATING. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
2x [±FT' - IN"]	INDICATES T/ BM. ELEVATION SEE PLAN NOTE #1
EOD	INDICATES EDGE OF DECK

SEE ARCH. DWGS. PROVIDE SUPPLEMENTARY MFR. REQUIREMENTS-----

(2) W8X24 LINTELS (TYP. 3 LOCS.)

(E) ROOF FRAME ABOVE ŤÝP. (6) LOCS.—

1 LEVEL 3 RENOVATION - FRAMING PLAN S113A Scale: 1/8" = 1'-0"

1515 Arch Street, 10th Floor Philadelphia, PA 19102									
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CIVIL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059									
STRUCTURAL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059									
v 215.375.6059 <u>LANDSCAPE ARCHITECT</u> Ground Reconsidered 230 South Broad Street Suite 604 Philadelphia, PA 19102 v 215.790.0727									
w 215.790.0727 www.groundreconsidered.com <u>MEP/FP ENGINEER</u> dbHMS 1500 Walnut St Suite 1910 Philadelphia, PA 19102 w 267 217 1612									
v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644									
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ENVIRONMENTAL CONSULTANT Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801 v 302.656.9600 www.brightfields.com									
DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com									
DATE: DESCRIPTION:									
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS									
5800 Chester Ave Philadelphia, PA 19143									
PROJECT #:2020SCALE:As indicatedFORMAT:30" X 42"									
DRAWN:ABCHECKED:JEDATE:4/7/2023									
SHEET NAME: FRAMING PLAN - LEVEL 3 RENOVATION									
SHEET NUMBER:									
S113A									
PROJECT PHASE: CONSTRUCTION DOCUMENTS									

DIGG

CLIENT REBUILD 1515 Arch Street

Mezzanine Level Philadelphia, PA 19104

<u>OWNER</u> CITY OF PHILADELPHIA

Department of Parks and Recreation

ROOF FRAMING PLAN NOTES:

- 1. TOP OF STEEL ELEVATIONS NOTED ON PLAN THUS [+FT" IN"] ARE
- RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
- 2. STEEL FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AT 5'-0" (MAX).
- 3. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS
- PRIOR TO START OF WORK. 4. ROOF OPENINGS REQUIRE STEEL BEAMS AS INDICATED ON PLANS, OR TYPICAL ROOF PENETRATION
- FRAMING ON TYPICAL DETAILS. PERIMETER ROOF EDGE SHALL HAVE CONTINUOUS L4x4x3/8 OR 3/8"
- BENT PLATE AT TOP FLANGE / CHORD.
- 5. SEE ARCHITECTURAL DRAWINGS FOR ROOF ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS.
- 6. EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE
- CAPABLE OF ACCOMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN/ 360. SEE ARCHITECTURAL DETAILS.
- 7. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND

- PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY
- ARCHITECT.
- 8. ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED.
- 9. COORDINATE FINAL BEAM LOCATIONS AT STAIR SLAB OPENING WITH STAIR MANUFACTURER.
- 10. FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED. 11. SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

ROOF FRAMING PLAN LEGEND:

RD2	INDICATES DIRECTION OF SPAN OF ROOF DECK. ROOF DECK TO BE 1 1/2" TYPE B (20 GA MIN) DECK INSTALLED IN 3 SPAN CONDITION W/36/4 5/8" DIAMETER WELD PATTERN AND (2) WELDED SIDE LAP CONNECTIONS PER SPAN, SEE GENERAL NOTES
RD1	INDICATES DIRECTION OF SPAN OF LONGSPAN ROOF DECK. ROOF DECK TO BE TORIS 5.5A ACOUSTIC ROOF DECK CEILING SYSTEM (18 GA MIN) INSTALLED IN 3 SPAN CONDITION W/ 3/4" DIAMETER PUDDLE WELDS AT 8" O.C. MAX WITH 3" MIN. END BEARING. SIDE LAP CONNECTIONS SHALL BE SPACED AT 36" O.C. MAX.
▶	INDICATES MOMENT CONNECTION
Wx [±FT' - IN"]	INDICATES T/ STEEL ELEVATION SEE PLAN NOTE #1
EOD	INDICATES EDGE OF DECK
BF-X]><]	DENOTES BRACED FRAME TYPE

FRANC RECRE SITE AN IMPROV	IS J. MYERS ATION CENTER ND BUILDING VEMENTS er Ave a, PA 19143					
PROJECT #:	2020					
SCALE:	As indicated					
FORMAT:	30" X 42"					
DRAWN:	AB					
CHECKED:	JE					
DATE:	4/7/2023					
SHEET NAM FRAMI GYM R ADDIT	ME: ING PLAN - ROOF ION					
SHEET NUI	MBER:					
S1 1	3B					
	PHASE:					
PROJECT PHASE:						

DATE: DESCRIPTION:

Wilmington, DE 19801 v 302.656.9600 www.brightfields.com LEED CONSULTANT DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com

COST ESTIMATING Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103 v 610.554.6560 ENVIRONMENTAL CONSULTANT Brightfields, Inc. 801 Industrial Street

v 267.217.1612 LIGHTING DESIGN **The Lighting Practice** 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644

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Mezzanine Level Philadelphia, PA 19104

CLIENT REBUILD 1515 Arch Street

ROOF FRAMING PLAN NOTES:

- TOP OF TIMBER BEAM ELEVATIONS NOTED ON PLAN THUS [+FT" IN"] ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
 STEEL FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN.
 CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS DEVENTO START OF MODIA
- PRIOR TO START OF WORK. 4. SEE ARCHITECTURAL DRAWINGS FOR ROOF ASSEMBLY FIRE RATING AND FIREPROOFING
- REQUIREMENTS. EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN/ 360. SEE
- ARCHITECTURAL DETAILS. 6. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND
- PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY
- ARCHITECT. 7. ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE
- STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED. FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED.
 SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

ROOF FRAMING PLAN LEGEND:

RD3	INDICATES DIRECTION OF SPAN OF ROOF DECK. ROOF DECK TO BE 1/2" THICK, CDX EXPOSURE I, 5 PLY WITH A 32/16 APA SPAN RATING. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
2x [±FT' - IN"]	INDICATES T/ BM. ELEVATION SEE PLAN NOTE #1

EOD

INDICATES EDGE OF DECK

1 ROOF RENOVATION - FRAMING PLAN S114 Scale: 1/8" = 1'-0"

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Suite 1910 Philadelphia, PA 19102 v 267.217.1612									
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Philadelphia, PA 19106 v 215.238.1644 COST ESTIMATING									
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DATE: DESCRIPTION:									
FRANCIS J. MYERS									
RECREATION CENTER SITE AND BUILDING									
IMPROVEMENTS									
5800 Chester Ave Philadelphia, PA 19143									
PROJECT #: 2020 SCALE: As indicated FORMAT: 30" X 42"									
DRAWN: AB CHECKED: JE									
DATE: 4/7/2023									
FRAMING PLAN -									
ROOF RENOVATION									
SHEET NUMBER:									
S114									
PROJECT PHASE:									
CONSTRUCTION DOCUMENTS									

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Mezzanine Level Philadelphia, PA 19104

<u>OWNER</u> CITY OF PHILADELPHIA

Philadelphia, PA 19102

Philadelphia, PA 19107

CIVIL ENGINEER David Mason & Associates

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123 S. Broad St Suite 1130

Philadelphia, PA 19109

Department of Parks and Recreation 1515 Arch Street, 10th Floor

ARCHITECT DIGSAU 340 North 12th Street, Suite 421

BASE PLATE TYPE BP-2 Scale: 1 1/2" = 1'-0"

 \rightarrow

COL

BASE PLATE TYPE BP-3 Scale: 1 1/2" = 1'-0"

BASE PLATE TYPE BP-1

Scale: 1 1/2" = 1'-0"

BASE PLATE TYPE BP-4 Scale: 1 1/2" = 1'-0"

1' ^{_} 0"

TYPICAL HSS BRACING CONNECTION DETAIL 2 (FOUNDATION COLUMN WEB) S201 Scale: 1" = 1'-0"

(C)

30' - 0"

B

—(4) - 3/4"Ø ASTM F1554 GR. 36 ANCHOR BOLTS (EMBED. = 12") W/ 2"x2"x1/4" WASHER PLATE

—(4) - 1-1/4"Ø ASTM F1554 GR. 36 ANCHOR BOLTS (EMBED. = 14")

ACROSS

FLATS, TYP.

W/ 3"x3"x1/2" WASHER PLATE

5/16

5/16

2 1/16"Ø BOLT HÒĹES

() 1/4 TYP.

1 5/16"Ø BOLT HOLES

1/4

ROOF (LOW) - ADDITION										
12' - 6"	W14X61			W14X53	W14X53	W14X53	W14X53	W14X53	W10X39	W10X33
GROUND FLOOR - GYM										
-5' - 0"	BF			BP-3	L BP-3	⊥ BP-3	⊥ BP-3	BP-3	L BP-1	BP-1
Column Locations	C.1	-7.8	C.1(-10' - 2 1/2")-9(4' - 2 5/8")	D-1	D-2	D-3	D-4	D-5	D-6	D.1-7

								STEE	EL COLUN	IN SCHEE	DULE								
GROUND FLOOR - GYM	W14X53	W14X53	W14X53	W14X53	W14X53	W10X39	HSS6X0.375	W14X61	W14X61	W14X61	W14X53	W14X53	W14X61	W14X61	W14X61	W14X53	W14X53	W10X33	12' - 6" GROUND FLOOR - GYM
-5' - 0"	BP-3	BP-3	BP-3	BP-3	BP-3	BP-1	BP-4	BP-2	BP-2	BP-2	BP-3	BP-3	BP-2	BP-2	BP-2	BP-3	BP-3	BP-1	-5' - 0"
Column Locations	A-1	A-2	A-3	A-4	A-5	A-6	A.1-9	A.2-7	A.2-8	A.2-9	B-1	B-6	B.1-7	B.1-8	B.1-9	C-1	C-6	C.1-7.2	
						STE		IN SCHE	DULE										

BRACED FRAME ELEVATION BF-2 (ALONG LINE 6) Scale: 1/8" = 1'-0"

BRACED FRAME ELEVATION BF-4 (ALONG LINE A) Scale: 1/8" = 1'-0"

4 BRACED FRAME ELEVATIONS S201 Scale: SEE DETAIL

BRACED FRAME ELEVATION BF-5 (ALONG LINE D) Scale: 1/8" = 1'-0"

BRACED FRAME ELEVATION BF-3 (ALONG LINE A) Scale: 1/8" = 1'-0"

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DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave Philadelphia, PA 19143
PROJECT #:2020SCALE:As indicatedFORMAT:30" X 42"
DRAWN:ABCHECKED:JEDATE:4/7/2023
SHEET NAME: COLUMN SCHEDULE, BASE PLATES AND FRAME ELEVATIONS
SHEET NUMBER:
CONSTRUCTION DOCUMENTS

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CLIENT REBUILD 1515 Arch Street

Mezzanine Level Philadelphia, PA 19104

OWNER CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102

f'c = SEE Fv = SEE	GENERAL NOTE	ES FS		
MARK	L	W		
P1	2' - 0"	2' - 0"		
P2	2' - 0"	2' - 6"		
P3	1' - 6"	1' - 6"		
NOTES:				

1 PIER SCHEDULE AND DIAGRAMS S202 Scale: N/A

2 S202 Scale: N/A

	FOOTING SCHEDULE											
f'c = SEE Fy = SEE NET ALL	f'c = SEE GENERAL NOTES Fy = SEE GENERAL NOTES NET ALLOWABLE SOIL BEARING = SEE GENERAL NOTES											
MARK	LONG WAY	SIZE SHORT WAY THICKNESS		REINFORCEMENT								
F4	4' - 0"	4' - 0"	1' - 6"	8 - #5, E.W. (BOTT.)								
F5	5' - 0"	5' - 0"	1' - 6"	9 - #5, E.W. (BOTT.)								
F8	8' - 0"	8' - 0"	1' - 6"	8 - #7, E.W. (TOP & BOTT.)								
F10	10' - 0"	10' - 0"	2' - 0"	10 - #7, E.W. (TOP & BOTT.)								

SQUARE FOOTING REINFORCEMENT PLAN

S202
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

SHEET NUMBER:

SCALE: N/A 30" X 42" FORMAT: DRAWN: AB CHECKED: JE DATE: 4/7/2023 SHEET NAME: CONCRETE SCHEDULES

PROJECT #: 2020

5800 Chester Ave Philadelphia, PA 19143

FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

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CLIENT REBUILD 1515 Arch Street

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PROJECT PHASE: CONSTRUCTION DOCUMENTS

S300

SHEET NUMBER:

SECTIONS -BASEMENT RENOVATION

PROJECT #:	2020
SCALE:	3/4" = 1'-0"
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023
	·
SHEET NAME:	

5800 Chester Ave Philadelphia, PA 19143

FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

\triangle	DATE:	DESCRIPTION:

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5 SECTION

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FRANCIS J. MYERS RECREATION CENTER		
SITE AND BUILDING		
5800 Chester Ave		
Philadelphia, PA 19143		
PROJECT #: 2020		
SCALE: 3/4" = 1'-0" FORMAT: 30" X 42"		
DRAWN: AB		
CHECKED: JE DATE: 4/7/2023		
CHECKED: JE DATE: 4/7/2023 SHEET NAME:		
CHECKED: JE DATE: 4/7/2023 SHEET NAME: SECTIONS - LEVEL 1		
CHECKED: JE DATE: 4/7/2023 SHEET NAME: SECTIONS - LEVEL 1 RENOVATION		
CHECKED: JE DATE: 4/7/2023 SHEET NAME: SECTIONS - LEVEL 1 RENOVATION		
CHECKED: JE DATE: 4/7/2023 SHEET NAME: SECTIONS - LEVEL 1 RENOVATION		
CHECKED: JE DATE: 4/7/2023 SHEET NAME: SECTIONS - LEVEL 1 RENOVATION SHEET NUMBER: S301		
CHECKED: JE DATE: 4/7/2023 SHEET NAME: SECTIONS - LEVEL 1 RENOVATION SHEET NUMBER: S301 PROJECT PHASE:		
CHECKED: JE DATE: 4/7/2023 SHEET NAME: SECTIONS - LEVEL 1 RENOVATION SHEET NUMBER: S301 PROJECT PHASE: CONSTRUCTION DOCUMENTS		

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CLIENT REBUILD 1515 Arch Street

Mezzanine Level Philadelphia, PA 19104

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10 SECTION AT CONNECTOR SLAB ELEVATION CHANGE S302 Scale: 3/4" = 1'-0"

(A)

-KALWALL CONST.

SEE ARCH. DWGS.

1 SECTION S302 Scale: 3/4" = 1'-0"

PROJECT PHASE: CONSTRUCTION DOCUMENTS

S302

SHEET NUMBER:

SECTIONS -ADDITION FOUNDATION

PROJECT #:	2020
SCALE:	3/4" = 1'-0"
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023
	·
SHEET NAME:	

5800 Chester Ave Philadelphia, PA 19143

FRANCIS J. MYERS **RECREATION CENTER** SITE AND BUILDING **IMPROVEMENTS**

	DATE:	DESCRIPTION:

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Philadelphia, PA 19102

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Philadelphia, PA 19104

CLIENT REBUILD 1515 Arch Street Mezzanine Level

NEW TENSION BRACE DETAIL S303 Scale: 3/4" = 1'-0"

6 NEW TENSION BRACE DETAIL

S303 Scale: 3/4" = 1'-0"

x3

SHEET NAME:
SECTIONS - LEVEL 2
& LEVEL 3
RENOVATION
SHEET NUMBER:
6303
3303
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

PROJECT #: 2020 SCALE: As indicated FORMAT: 30" X 42" DRAWN: AB CHECKED: JE DATE: 4/7/2023

5800 Chester Ave Philadelphia, PA 19143

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DATE: DESCRIPTION:

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ENVIRONMENTAL CONSULTANT Brightfields, Inc. 801 Industrial Street Wilmington, DE 19801 v 302.656.9600

v 215.238.1644 COST ESTIMATING Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103 v 610.554.6560

LIGHTING DESIGN The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106

MEP/FP ENGINEER dbHMS 1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612

LANDSCAPE ARCHITECT Ground Reconsidered 230 South Broad Street Suite 604 Philadelphia, PA 19102 v 215.790.0727 www.groundreconsidered.com

123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.6059

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1515 Arch Street, 10th Floor Philadelphia, PA 19102

Philadelphia, PA 19104 <u>OWNER</u> CITY OF PHILADELPHIA Department of Parks and Recreation

Mezzanine Level

CLIENT REBUILD 1515 Arch Street

DIGS

WINDSCREEN CONST. SEE ARCH. DWGS.

HSS6X6 GIRT (CURVED) TYP. (3) LOCS. SEE PLAN

L6X6X3/8 (TOP & BOTT.) x 6" LG. W/ (2)-3/4" DIA. A325 THRU BOLTS (TYP.)–

ROOF CONST. SEE ARCH. DWGS.—

METAL ROOF DECK W BM. + 3/8" THK. STIFF. PL. (EA. SIDE) SEE PLAN

5 TYPICAL WINDSCREEN SECTION S304 Scale: 3/4" = 1'-0"

SECTION 3/S304 - NOT USED

1 SECTION S304 Scale: 3/4" = 1'-0"

SECTION 2 S304 Scale: 3/4" = 1'-0"

PROJECT PHASE: CONSTRUCTION DOCUMENTS

S304

SHEET NUMBER:

SHEET NAME: **SECTIONS** -**CONNECTOR ROOF** ADDITION

PROJECT #:	2020
SCALE:	3/4" = 1'-0"
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

5800 Chester Ave Philadelphia, PA 19143

FRANCIS J. MYERS **RECREATION CENTER** SITE AND BUILDING **IMPROVEMENTS**

\triangle	DATE:	DESCRIPTION:

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Philadelphia, PA 19102

<u>OWNER</u> CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor

Mezzanine Level Philadelphia, PA 19104

CLIENT REBUILD 1515 Arch Street

——1/4" THK. SEAL CAP AT OPEN END OF HSS4X4

-ROOF CONST. SEE ARCH. DWGS.

T/ STEEL EL: SEE PLAN

-LONGSPAN ROOF DECK

SEE PLAN

-----W BM. + (2) WEB PL. SEE PLAN

T/ STEEL T/ STEEL EL: SEE PLAN

-ROOF CONST.

T/ STEEL EL: SEE PLAN

—LONGSPAN ROOF DECK SEE PLAN

—W BM. + (2) WEB PL.

OR EQUIVALENT) @ 16"

T/ STEEL EL: SEE PLAN

1 SECTION S305 Scale: 3/4" = 1'-0"

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LIGHTING DESIGN The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644 COST ESTIMATING		
Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103 v 610.554.6560 <u>ENVIRONMENTAL CONSULTANT</u> Brightfields, Inc.		
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Chicago, IL 60654 v 312.915.0557 www.databasedplus.com		
DATE: DESCRIPTION:		
FRANCIS J MYERS		
RECREATION CENTER SITE AND BUILDING IMPROVEMENTS		
5800 Chester Ave Philadelphia, PA 19143		
PROJECT #: 2020 SCALE: 3/4" = 1'-0" FORMAT: 30" X 42" DRAWN: AB CHECKED: JE		
DATE: 4/7/2023 SHEET NAME: SECTIONS - GYM		
ROOF ADDITION		
SHEET NUMBER: \$305		
PROJECT PHASE: CONSTRUCTION DOCUMENTS		

Mezzanine Level Philadelphia, PA 19104 OWNER CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102

CLIENT REBUILD 1515 Arch Street

DRAWING SYMBOLS

ABBREVIATIONS

ELEV	Elevation
ELEC	Electrical
EMER	Emergency
EM	Entry Mat
ENCL	Enclosure
ENTR	Entrance
EOS	Edge of Slab
EP	Electrical panel
EPDM	Ethylene Propylene Diene Monomer
EPS	Expanded polystyrene
EQ	Equal
EQPT	Equipment
EWC	Electrical water cooler
EXG	Existing
EXH	Exhaust
EXPO	Exposed
EXT	Exterior
EXTR	Extrusion
FAB FAS FBO FD FDN FEC FF FIN FLG FLR FLX FO FOB FOC FOM FOS FOC FOW FPF FRL FRP FRTW FTGL FTG FUR	Fabricated, fabricator Fastener, fastened Furnished by others Floor drain Foundation Fire extinguisher cabinet Finish Floor Finish Flashing Floor Flexible Face of Face of building Face of building Face of concrete Face of masonry Face of steel Face of wall Fireproofing Fireplaces Frame(d) (ing) Fiber Reinforced Panel Fire Resistant Treated Wood Foot, feet Fully Tempered Glass Footing Furr(ed) furring
GALV GC GDBM GKT GLU LA GLU LA GLU LA GYP GRN GRDRL GT GVL GWB	Galvanized General contractor Grade, grading Grade beam Gasket Glass M Glue laminated Glazing. glazed Gypsum Granite Guard rail Grout Gravel Gypsum wallboard
HB	Hose bibb
HDBD	Hardboard
HDR	Header
HDWR	Hardware
HK	Hook
HM	Hollow metal
HMDRF	Hollow metal door frame
HNDRL	Handrail
HORZ	Horizontal
HP	High point
HVAC	Heating / ventilating / air conditioning
HWH	Hot water heater
id	Inside diameter
Igu	Insulating glazing unit
In	Inch
Incl	Include(d) (ing)
Ins	Insulate(d) (ing) (ion)
Int	Interior
J	Joist
JT	Joint
kit	Kitchen
Kpl	Kick plate
LDR	Ladder
LAM	Laminated
LAV	Lavatory
LDR	Leader
LIN	Linoleum
LNG	Length, long

EJ Expansion joint

BUILDING SECTION

WALL SECTION DETAIL SECTION DETAIL CALL OUT

EXTERIOR ELEVATION

INTERIOR ELEVATION

KEY NOTE

SPOT ELEVATION TAG

GRAVEL

MASONRY - CMU

MASONRY - BRICK

REINF Reinforcing(ment)

REQD Required

RES Resilient

RFG Roofing

RGLT Reglet

RGTR Register

RFL Reflect(ed)

REV Revise(d) (ion)

RL Rail(ing) RM Room RMV Remove(able) RO Rough opening RSF Resinous Flooring RSB Resincus Base RTF Resilient Tile Flooring RTN Return RVL Reveal RWC Rain Water Channel RWL Rain Water Leader South SAB Sound Attenuation Blanket SCHD Schedule SCN Screen SCST Stone Coated Steel Tile SECT Section

SF Square foot SHL Shelf, shelving SHT Sheet SIM Similar SKL Skylight SLD Solid SLNT Sealant SLDG Sliding SLT Slate SPC Space(ing) SPEC Specification(s) SPKR Speaker SRF Surface SSM Solid Surface Material SST Stainless steel STD Standard STG Seating STL Steel STOR Storage STFNT Storefront

ΤB

тс

T&G Tongue and groove TD Towel Dispenser TEL Telephone TEMP Temporary TERR Terrazzo THK Thick(ness) THR Threshold THRU Through TKBD Tackboard T.O. Top of TOS Top of steel TPTN Toilet partition TR Towel receptacle TRANS Transparent TV Television TYP Typical TLT Toilet

UON Unless otherwise noted UR Urinal UTIL Utility VIF Verify in field VCB Vinyl cove base VCT Vinyl composite tile VENT Ventilating

VERT Vertical VNR Veneer VR Vapor retarder VSF Vinyl Sheet Flooring W West W/ With W/O Without

WD Wood WDW Window WPF Waterproofing WTW Wall to wall YD Yard

SEE A920 FOR BUILDING SIGNAGE MOUNTING HEIGHTS

PLAN

MOUNTING

HEIGHTS &

CLEARANCES

TA-4 SOAP DISPENSER TA-5 GRAB BAR

-

SINK

╲

. +B

PLAN

PLAN

CLEARANCES

CLEARANCES

404.2.3

1' - 6" MIN

- - -

304 TURNING SPACE

EARTH

PATTERN TYPES

WATER FOUNTAIN

DATE:	DESCRIPTION:
FRANC RECRE SITE AN IMPRO 5800 Cheste Philadelphia	IS J. MYERS ATION CENTER ND BUILDING VEMENTS er Ave 5, PA 19143
PROJECT #: SCALE: FORMAT: DRAWN:	2020 1/4" = 1'-0" 30" X 42"
CHECKED: DATE:	BM / MG 4/7/2023
SHEET NAM ARCHI ABBRE SYMBO	ME: TECTURAL EVIATIONS & OLS
	MBER:
PROJECT F	PHASE: ICTION DOCUMENTS

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<u>OWNER</u> CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor

<u>CLIENT</u> REBUILD 1515 Arch Street Mezzanine Level Philadelphia, PA 19104

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GEN	ERAL NOTES - SITE PLAN:
Ι.	ACCESS AND OPERATION OF EXISTING SITE ELEMENTS DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE POOL, BASKETBALL COURTS, AND PLAYING FIELDS.
2.	GC MUST PROVIDE A SITE LOGISTICS PLAN AS REQUIRED BY THE CONTRACT DOCUMENTS

3. REFER TO SPEC SECTION 012100 FOR DESCRIPTION OF ALTERNATES NOTED

SITE PLAN LEGEND

----- PROPERTY LINE

<u>M</u> dt 15 St Pf	EP/FP ENGIN DHMS 500 Walnut St uite 1910 hiladelphia, PA 267.217.1612	<u>NEER</u> A 19102	
<u>Lli</u> Tř 60 St Př	GHTING DES ne Lighting P 00 Chestnut S uite 772 hiladelphia, P/ 215.238.1644	SIGN Fractice treet A 19106	
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<u>CLIENT</u> **REBUILD** 1515 Arch Street Mezzanine Level Philadelphia, PA 19104

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GENERAL NOTES

- 1. CM TO COORDINATE SLAB RECESSES, SLEEVE LOCATIONS, PIPING PENETRATIONS, DRAINS, ETC., WITH RELATED TRADES AND CONFIRM ALL DIMENSIONS SHOWN ON THIS PLAN.
- 2. COORDINATION ALL TRANSITIONS AT DOOR SILLS WITH DOOR SCHEDULE A801. SEE INTERIOR DETAILS SHEETS FOR MATERIAL TRANSITIONS AND RELATED SLAB STEPS AT DOORS
- 3. SEE EXTERIOR OPENINGS SCHEDULE AND EXTERIOR DETAILS FOR ANY RELATED CURB PROFILES AND EXTENTS
- 4. COORDINATE DOOR CLOSER DEPRESSIONS WITH DOOR HARDWARE AND ARCH PLANS (AS APPLICABLE)
- 5. FLOOR DRAINS AND SLAB CLEANOUTS TO BE COORDINATED BY CONTRACTORS.
- 6. AT SLAB OPENINGS FOR DUCTWORK AND/OR MULTIPLE PIPES, PROVIDE CONCRETE CURBS, MIN 4" HIGH. COORDINATE WITH MEP CONTRACTORS FOR LOCATIONS AND DIMENSIONS.
- 7. HOUSEKEEPING PADS NOT SHOWN ON CONTROL PLANS. COORDINATE WITH MEP CONTRACTORS FOR LOCATIONS AND DIMENSIONS.

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v 312.915.0557 www.databasedplus.com
DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave Philadelphia, PA 19143
PROJECT #: 2020 SCALE: 1/8" = 1'-0" FORMAT: 30" X 42"
CHECKED: BM / MG DATE: 4/7/2023
CHECKED: BM / MG DATE: 4/7/2023 SHEET NAME: ARCHITECTURAL CONTROL PLAN -
CHECKED: BM / MG DATE: 4/7/2023 SHEET NAME: ARCHITECTURAL CONTROL PLAN - LEVEL 1 ADDITION
CHECKED: BM / MG DATE: 4/7/2023 SHEET NAME: ARCHITECTURAL CONTROL PLAN - LEVEL 1 ADDITION SHEET NUMBER: AC100
CHECKED: BM / MG DATE: 4/7/2023 SHEET NAME: ARCHITECTURAL CONTROL PLAN - LEVEL 1 ADDITION SHEET NUMBER: AC100 PROJECT PHASE: CONSTRUCTION DOCUMENTS

DIGS

CLIENT REBUILD 1515 Arch Street

Mezzanine Level Philadelphia, PA 19104

DEMOLITION ELEVATION LEGEND

EXISTING CONSTRUCTION TO BE DEMOLISHED EXISTING CONSTRUCTION TO BE DEMOLISHED

EXISTING CONSTRUCTION TO BE REPAIRED

EXISTING CONSTRUCTION TO REMAIN

EXISTING DOOR AND FRAME TO BE DEMOLISHED

GENERAL DEMOLITION NOTES

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- 1. DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO BE A GENERAL REPRESENTATION OF THE PROJECT SCOPE, AND IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL SELECTIVE DEMOLITION WORK REQUIRED FOR THE PROJECT. INCIDENTAL WORK WHICH MAY BE NECESSARY TO ACCOMPLISH THE PROJECT MAY NOT BE EXPLICITLY SHOWN, BUT IS A PART OF THE CONTRACT.
- EXERCISE EXTREME CARE IN DEMOLITION AROUND EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGE TO EXISTING CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. REPAIR OF THIS DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS 3 INDICATED IN THE BASIS OF DESIGN DOCUMENT.
- REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
- REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 5. FOR ALL POTENTIAL ABATEMENT REQUIREMENTS
- UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
- 7. REFER TO ELEVATIONS ON A310 AND A311 FOR PROPOSED SCOPE OF (E) FACADE REPAIR & RESTORATION WORK. REFER TO NOTE 1 ABOVE.
- REMOVE ALL EXISTING INTERIOR NON-LOADBEARING WALLS U.N.O.; STAIR SHAFT 8. ENCLOSURES TO REMAIN U.N.O.
- REMOVE ALL EXISTING SPRINKLERS & ASSOCIATED PIPING. SEE PLUMBING AND 9. FIRE PROTECTION DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
- 10. REMOVE ALL EXISTING PLUMBING FIXTURES & ASSOCIATED PIPING, INCLUDING BUT NOT LIMITED TO SINKS, WATER CLOSETS, URINALS, SHOWER & TUBS. SEE PLUMBING DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
- 11. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT & LIGHTING FIXTURES. RETURN ALL EXISTING CAMERA SYSTEMS TO OWNER; RETURN ALL FUNCTIONAL HVAC UNITS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.SEE ELECTRICAL DRAWINGS.
- **12.** REMOVE ALL EXISTING MECHANICAL DUCTWORK AND EQUIPMENT U.N.O. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. SEE MECHANICAL DRAWINGS
- DEMOLISH EXISTING FLOORING, CEILINGS, SOFFITS, AND ALL CEILING 13. COMPONENTS, U.N.O.
- **14.** REMOVE ALL FIRE EXTNGUISHERS AND FIRE EXTINGUISHER CABINETS.
- **15.** REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.

16. REMOVE FINISH MATERIALS BACK TO LOAD BEARING STRUCTURE, U.N.O. KEYED DEMOLITION NOTES

- 1 DEMOLISH EXISTING EXTERIOR WALL. SHORE AS REQUIRED. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR OPENINGS OR FINISHES. SALVAGE EXTERIOR GRANITE FOR REUSE TO THE EXTENT SHOWN ON NEW WORK ELEVATIONS 2 DEMOLISH EXISTING EXTERIOR SLAB AND STEPS BACK TO EXISTING EXTERIOR FOUNDATION 3 DEMOLISH EXISTING ENTRY PORCH, STAIR AND RAILINGS. REMOVE EXISTING ROOF FLASHINGS AND TIE-INS. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR FINISHES. 4 DEMOLISH PORTION OF EXISTING FOUNDATION AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS. 5 DEMOLISH EXISTING FLOOR AND FRAMING OR SLAB AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS. **6** REMOVE EXISTING BEAM. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS. **7** SHORE EXISTING STRUCTURE BEFORE REMOVING EXISTING INTERIOR WALLS, SEE STRUCTURAL DRAWINGS. COORDINATE SIZE OF NEW OPNG WITH NEW WORK FLOOR PLANS. PROVIDE NEW LINTELS AS REQ'D PER STRUCT DWGS 8 DEMOLISH EXISTING INFILLED OPENING AND PREPARE OPENING TO RECEIVE NEW EXTERIOR WALL ASSEMBLY OR OPENING 9 DEMOLISH EXISTING INTERIOR FURRING PARTITION BACK TO INTERIOR SURFACE OF EXISTING EXTERIOR WALL TO REMAIN. PREPARE SURFACE TO RECEIVE NEW CONSTRUCTION. **10** DEMOLISH EXISTING STAIR AND HANDRAILS. REFER TO NEW WORK PLANS FOR STRUCTURAL AND ARCHITECTURAL PREPERATION AND INFILL REQUIREMENTS 11 REMOVE ALL EXISTING WINDOWS, FRAMES, SECURITY SCREENS, BLOCKING AND PREVIOUS INFILL CONSTRUCTION THROUGHOUT. EXISTING STONE SILLS AND HEADERS TO REMAIN. 12 DEMOLISH EXISTING DOOR AND FRAME. PREP EXPOSED ADJACENT CONSTRUCTION FOR INFILL OR REPLACEMENT DOOR PER ARCHITECTURAL PLANS, INCLUDING NEW LINTELS OR INFILL CONSTRUCTION AS REQ'D 13 DEMOLISH EXISTING HVAC EQUIPMENT; RETURN ANY SALVAGEABLE EQUIPMENT TO OWNER 14 DEMOLISH EXISTING GUTTER, DOWNSPOUT, AND/OR CLEAN OUT CONNECTION **15** DEMOLISH PORTION OF EXISTING WALL AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED 16 DEMOLISH EXISTING ROOFING TO DECKING 17 DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION **18** REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING, SEE PLUMBING DEMO DRAWINGS. **19** REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT, SEE ELECTRICAL DEMO DRAWINGS. **20** DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK
- 21 DEMOLISH EXISTING FLOOR FINISH AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW
- 22 EXISTING STRUCTURAL COLUMN OR POST TO REMAIN
- 23 DEMOLISH EXISTING CHIMNEY

CONSTRUCTION.

24 PRESERVE AND PROTECT EXISTING MURAL / ARTWORK

DEMO KEY PLAN EXISTING TO REMAIN

DEMOLISH

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Widesal.com CNULE INCIDEER David Marca & Associatios 123 S. Broad St Sule 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.0039 LANDSCAPE ARCHITECT Ground Reconsidered Value 1130 Philadelphia, PA 19109 www.davidmason.com v 215.375.0039 LANDSCAPE ARCHITECT Ground Reconsidered Value 1130 Philadelphia, PA 19102 v 215.375.003727 www.davidmason.com v 215.375.0039 LANDSCAPE ARCHITECT Ground Reconsidered Job Value 504 System 513 Philadelphia, PA 19102 v 215.375.000727 www.davidmason.com Value 504 System 513 Philadelphia, PA 19102 v 215.375.000727 Www.gavidmason.com Value 504 System 513 Contesting Total philadelphia, PA 19103 v 310.555.6500 Www.brightfields.com Experphetes	ARCHITECT DIGSAU 340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808
www.davidmason.com y 215.375.0039 STRUCTURAL ENGINEER David Mason & Associatos 123.8. Brood St Philadelphia, PA 19103 www.goundreconsidered 200 South Bread Street Suite 604 Philadelphia, PA 19102 v 215.375.00277 www.goundreconsidered.com MEPYEP ENGINEER dPhiladelphia, PA 19102 v 207.217.1612 LISTING DESIGN Tho Lighting Practice 000 Chestinut Street Suite 604 COSTESTIMATING Dharac Consulting 1710 Chestinut Street Suite 800 Philadelphia, PA 19103 v 30.2 ESS 0800 www.distabasedplus.com	Www.digsau.com <u>CIVIL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109
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ENVIRONMENTAL CONSULTANT Brightfields, Inc. 801 Industal Street 901 Routilial Street 902 SoS 6900 www.brightfields.com LEED CONSULTANT DatBased- 303 W Erie Street, Suite 510 Chicago, Le0664 91 Julial Street 91 Julial Street 91 Bottester- 91 DatBased- 91 Montal Street 91 DatBased- 91 DatBased- 91 Bottester- 92 Bottester- 92 Bottester- 93 Bottester- 94 Bottester- 94 Bottester- 95 Bottester- 95 Bottester- 95 Bottester- 95 Bottester- 95 Bott	COST ESTIMATING Dharam Consulting 1719 Chestnut Street Suite 300 Philadelphia, PA 19103 v 610.554.6560
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SHEET NUMBER: AD120 PROJECT PHASE:	DEMOLITION PLAN - BASEMENT
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CONSTRUCTION DOCUMENTS	PROJECT PHASE:

DEMOLITION ELEVATION LEGEND

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	EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING CONSTRUCTION TO BE REPAIRED

EXISTING CONSTRUCTION TO REMAIN

_ EXISTING DOOR AND FRAME TO BE DEMOLISHED

GENERAL DEMOLITION NOTES

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1.	DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO BE A GENERAL REPRESENTATION OF THE PROJECT SCOPE, AND IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL SELECTIVE DEMOLITION WORK REQUIRED FOR THE PROJECT. INCIDENTAL WORK WHICH MAY BE NECESSARY TO ACCOMPLISH THE PROJECT MAY NOT BE EXPLICITLY SHOWN, BUT IS A PART OF THE CONTRACT.
2.	EXERCISE EXTREME CARE IN DEMOLITION AROUND EXISTING CONSTRUCTION TO

- REMAIN. ANY DAMAGE TO EXISTING CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. REPAIR OF THIS DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS 3. INDICATED IN THE BASIS OF DESIGN DOCUMENT.
- REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE 4. WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
- REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 5. FOR ALL POTENTIAL ABATEMENT REQUIREMENTS
- UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES 6. SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
- REFER TO ELEVATIONS ON A310 AND A311 FOR PROPOSED SCOPE OF (E) FACADE 7. REPAIR & RESTORATION WORK. REFER TO NOTE 1 ABOVE.
- REMOVE ALL EXISTING INTERIOR NON-LOADBEARING WALLS U.N.O.; STAIR SHAFT 8. ENCLOSURES TO REMAIN U.N.O.
- 9. REMOVE ALL EXISTING SPRINKLERS & ASSOCIATED PIPING. SEE PLUMBING AND FIRE PROTECTION DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
- **10.** REMOVE ALL EXISTING PLUMBING FIXTURES & ASSOCIATED PIPING, INCLUDING BUT NOT LIMITED TO SINKS, WATER CLOSETS, URINALS, SHOWER & TUBS. SEE
- PLUMBING DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. **11.** REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT & LIGHTING FIXTURES. RETURN ALL EXISTING CAMERA SYSTEMS TO OWNER; RETURN ALL FUNCTIONAL HVAC UNITS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.SEE ELECTRICAL DRAWINGS.
- 12. REMOVE ALL EXISTING MECHANICAL DUCTWORK AND EQUIPMENT U.N.O. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. SEE MECHANICAL DRAWINGS
- 13. DEMOLISH EXISTING FLOORING, CEILINGS, SOFFITS, AND ALL CEILING
- COMPONENTS, U.N.O. 14. REMOVE ALL FIRE EXTNGUISHERS AND FIRE EXTINGUISHER CABINETS.
- **15.** REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.
- 16. REMOVE FINISH MATERIALS BACK TO LOAD BEARING STRUCTURE, U.N.O.

KEYED DEMOLITION NOTES

1	DEMOLISH EXISTING EXTERIOR WALL. SHORE AS REQUIRED. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR OPENINGS OR FINISHES. SALVAGE EXTERIOR GRANITE FOR REUSE TO THE EXTENT SHOWN ON NEW WORK ELEVATIONS
2	DEMOLISH EXISTING EXTERIOR SLAB AND STEPS BACK TO EXISTING EXTERIOR FOUNDATION
3	DEMOLISH EXISTING ENTRY PORCH, STAIR AND RAILINGS. REMOVE EXISTING ROOF FLASHINGS AND TIE-INS. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR FINISHES.
4	DEMOLISH PORTION OF EXISTING FOUNDATION AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
5	DEMOLISH EXISTING FLOOR AND FRAMING OR SLAB AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
6	REMOVE EXISTING BEAM. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
7	SHORE EXISTING STRUCTURE BEFORE REMOVING EXISTING INTERIOR WALLS, SEE STRUCTURAL DRAWINGS. COORDINATE SIZE OF NEW OPNG WITH NEW WORK FLOOR PLANS. PROVIDE NEW LINTELS AS REQ'D PER STRUCT DWGS
8	DEMOLISH EXISTING INFILLED OPENING AND PREPARE OPENING TO RECEIVE NEW EXTERIOR WALL ASSEMBLY OR OPENING
9	DEMOLISH EXISTING INTERIOR FURRING PARTITION BACK TO INTERIOR SURFACE OF EXISTING EXTERIOR WALL TO REMAIN. PREPARE SURFACE TO RECEIVE NEW CONSTRUCTION.
10	DEMOLISH EXISTING STAIR AND HANDRAILS. REFER TO NEW WORK PLANS FOR STRUCTURAL AND ARCHITECTURAL PREPERATION AND INFILL REQUIREMENTS
11	REMOVE ALL EXISTING WINDOWS, FRAMES, SECURITY SCREENS, BLOCKING AND PREVIOUS INFILL CONSTRUCTION THROUGHOUT. EXISTING STONE SILLS AND HEADERS TO REMAIN.
12	DEMOLISH EXISTING DOOR AND FRAME. PREP EXPOSED ADJACENT CONSTRUCTION FOR INFILL OR REPLACEMENT DOOR PER ARCHITECTURAL PLANS, INCLUDING NEW LINTELS OR INFILL CONSTRUCTION AS REQ'D
13	DEMOLISH EXISTING HVAC EQUIPMENT; RETURN ANY SALVAGEABLE EQUIPMENT TO OWNER
14	DEMOLISH EXISTING GUTTER, DOWNSPOUT, AND/OR CLEAN OUT CONNECTION
15	DEMOLISH PORTION OF EXISTING WALL AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED
16	DEMOLISH EXISTING ROOFING TO DECKING
17	DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION
18	REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING, SEE PLUMBING DEMO DRAWINGS.
19	REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT, SEE ELECTRICAL DEMO DRAWINGS.
20	DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK
21	DEMOLISH EXISTING FLOOR FINISH AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION.
22	EXISTING STRUCTURAL COLUMN OR POST TO REMAIN
23	DEMOLISH EXISTING CHIMNEY
24	PRESERVE AND PROTECT EXISTING MURAL / ARTWORK

DEMO KEY PLAN EXISTING TO REMAIN DEMOLISH

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<u>CLIENT</u> REBUILD 1515 Arch Street Mezzanine Level Philadelphia, PA 19104
OWNER CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102
ARCHITECT DIGSAU 340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808
CIVIL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109
www.davidmason.com v 215.375.6059 STRUCTURAL ENGINEER David Mason & Associates 123 S. Broad St Suite 1130
Philadelphia, PA 19109 www.davidmason.com v 215.375.6059 <u>LANDSCAPE ARCHITECT</u> Ground Reconsidered 230 South Broad Street
Suite 604 Philadelphia, PA 19102 v 215.790.0727 www.groundreconsidered.com
dbHMS 1500 Walnut St Suite 1910 Philadelphia, PA 19102 v 267.217.1612 LIGHTING DESIGN
The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106 v 215.238.1644
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LEED CONSULTANT DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654 v 312.915.0557 www.databasedplus.com
DATE: DESCRIPTION:
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave Philadelphia, PA 19143
PROJECT #: 2020 SCALE: As indicated FORMAT: 30" X 42"
DRAWN: DG / SC CHECKED: BM / MG DATE: 4/7/2023
SHEET NAME: DEMOLITION PLAN - LEVEL 1
SHEET NUMBER:
PROJECT PHASE: CONSTRUCTION DOCUMENTS

1 DEMOLITION PLAN - LEVEL 2 AD122 1/8" = 1'-0"

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	EXISTING CONSTRUCTION TO BE DEMOLISHED
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EXISTING CONSTRUCTION TO REMAIN

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<u>GENEI</u>	RAL DEMOLITION NOTES
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3.	COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS INDICATED IN THE BASIS OF DESIGN DOCUMENT.
4.	REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
5.	REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 FOR ALL POTENTIAL ABATEMENT REQUIREMENTS
6.	UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
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14.	REMOVE ALL FIRE EXTNGUISHERS AND FIRE EXTINGUISHER CABINETS.
15.	REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.
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17 DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION

18 REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING, SEE PLUMBING DEMO DRAWINGS.

19 REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT, SEE ELECTRICAL DEMO DRAWINGS.

20 DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK

21 DEMOLISH EXISTING FLOOR FINISH AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION.

22 EXISTING STRUCTURAL COLUMN OR POST TO REMAIN

23 DEMOLISH EXISTING CHIMNEY

24 PRESERVE AND PROTECT EXISTING MURAL / ARTWORK

DEMO KEY PLAN EXISTING TO REMAIN DEMOLISH

<u>CLIENT</u> REBUILD 1515 Arch Str	eet
Mezzanine Le Philadelphia, I	evel PA 19104
OWNER CITY OF PHII Department o 1515 Arch Str Philadelphia, I	L ADELPHIA f Parks and Recreation eet, 10th Floor PA 19102
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Philadelphia, l www.davidma v 215.375.605	PA 19109 ason.com 59
STRUCTURA David Mason 123 S. Broad Suite 1130 Philadelphia, I	<u>L ENGINEER</u> & Associates St PA 19109
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EXISTING LEVEL 3 AND ATTIC (REC BUILDING)

APPROVAL STAMP AREA

(E) VENTILATED ATTIC

(E) PLASTER CLG TO BE DEMOLISHED

- (E) ROOF TRUSS FR TO REMAIN

AD300

= = =	EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING CONSTRUCTION TO BE REPAIRED
	EXISTING CONSTRUCTION TO REMAIN

	EXISTING CONSTRUC
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_ EXISTING DOOR AND FRAME TO BE DEMOLISHED - 1

GENERAL DEMOLITION NOTES

1.	DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO BE A GENERAL REPRESENTATION OF THE PROJECT SCOPE, AND IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL SELECTIVE DEMOLITION WORK REQUIRED FOR THE PROJECT. INCIDENTAL WORK WHICH MAY BE NECESSARY TO ACCOMPLISH THE PROJECT MAY NOT BE EXPLICITLY SHOWN, BUT IS A PART OF THE CONTRACT.
2.	EXERCISE EXTREME CARE IN DEMOLITION AROUND EXISTING CONSTRUCTION TO

- REMAIN. ANY DAMAGE TO EXISTING CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. REPAIR OF THIS DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS INDICATED IN THE BASIS OF DESIGN DOCUMENT.
- REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE 4. WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
- REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 5. FOR ALL POTENTIAL ABATEMENT REQUIREMENTS
- UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES 6. SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
- REFER TO ELEVATIONS ON A310 AND A311 FOR PROPOSED SCOPE OF (E) FACADE 7. REPAIR & RESTORATION WORK. REFER TO NOTE 1 ABOVE.
- REMOVE ALL EXISTING INTERIOR NON-LOADBEARING WALLS U.N.O.; STAIR SHAFT 8. ENCLOSURES TO REMAIN U.N.O.
- 9. REMOVE ALL EXISTING SPRINKLERS & ASSOCIATED PIPING. SEE PLUMBING AND FIRE PROTECTION DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
- **10.** REMOVE ALL EXISTING PLUMBING FIXTURES & ASSOCIATED PIPING, INCLUDING BUT NOT LIMITED TO SINKS, WATER CLOSETS, URINALS, SHOWER & TUBS. SEE PLUMBING DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
- 11. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT & LIGHTING FIXTURES. RETURN ALL EXISTING CAMERA SYSTEMS TO OWNER; RETURN ALL FUNCTIONAL HVAC UNITS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.SEE ELECTRICAL DRAWINGS.
- 12. REMOVE ALL EXISTING MECHANICAL DUCTWORK AND EQUIPMENT U.N.O. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. SEE MECHANICAL DRAWINGS
- 13. DEMOLISH EXISTING FLOORING, CEILINGS, SOFFITS, AND ALL CEILING COMPONENTS, U.N.O.
- 14. REMOVE ALL FIRE EXTNGUISHERS AND FIRE EXTINGUISHER CABINETS.
- **15.** REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.
- 16. REMOVE FINISH MATERIALS BACK TO LOAD BEARING STRUCTURE, U.N.O.

KEYED DEMOLITION NOTES

1	DEMOLISH EXISTING EXTERIOR WALL. SHORE AS REQUIRED. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR OPENINGS OR FINISHES. SALVAGE EXTERIOR GRANITE FOR REUSE TO THE EXTENT SHOWN ON NEW WORK ELEVATIONS
2	DEMOLISH EXISTING EXTERIOR SLAB AND STEPS BACK TO EXISTING EXTERIOR FOUNDATION
3	DEMOLISH EXISTING ENTRY PORCH, STAIR AND RAILINGS. REMOVE EXISTING ROOF FLASHINGS AND TIE-INS. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR FINISHES.
4	DEMOLISH PORTION OF EXISTING FOUNDATION AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
5	DEMOLISH EXISTING FLOOR AND FRAMING OR SLAB AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
6	REMOVE EXISTING BEAM. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
7	SHORE EXISTING STRUCTURE BEFORE REMOVING EXISTING INTERIOR WALLS, SEE STRUCTURAL DRAWINGS. COORDINATE SIZE OF NEW OPNG WITH NEW WORK FLOOR PLANS. PROVIDE NEW LINTELS AS REQ'D PER STRUCT DWGS
8	DEMOLISH EXISTING INFILLED OPENING AND PREPARE OPENING TO RECEIVE NEW EXTERIOR WALL ASSEMBLY OR OPENING
9	DEMOLISH EXISTING INTERIOR FURRING PARTITION BACK TO INTERIOR SURFACE OF EXISTING EXTERIOR WALL TO REMAIN. PREPARE SURFACE TO RECEIVE NEW CONSTRUCTION.
10	DEMOLISH EXISTING STAIR AND HANDRAILS. REFER TO NEW WORK PLANS FOR STRUCTURAL AND ARCHITECTURAL PREPERATION AND INFILL REQUIREMENTS
11	REMOVE ALL EXISTING WINDOWS, FRAMES, SECURITY SCREENS, BLOCKING AND PREVIOUS INFILL CONSTRUCTION THROUGHOUT. EXISTING STONE SILLS AND HEADERS TO REMAIN.
12	DEMOLISH EXISTING DOOR AND FRAME. PREP EXPOSED ADJACENT CONSTRUCTION FOR INFILL OR REPLACEMENT DOOR PER ARCHITECTURAL PLANS, INCLUDING NEW LINTELS OR INFILL CONSTRUCTION AS REQ'D
13	DEMOLISH EXISTING HVAC EQUIPMENT; RETURN ANY SALVAGEABLE EQUIPMENT TO OWNER
14	DEMOLISH EXISTING GUTTER, DOWNSPOUT, AND/OR CLEAN OUT CONNECTION
15	DEMOLISH PORTION OF EXISTING WALL AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED
16	DEMOLISH EXISTING ROOFING TO DECKING
17	DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION
18	REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING, SEE PLUMBING DEMO DRAWINGS.
19	REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT, SEE ELECTRICAL DEMO DRAWINGS.
20	DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK
21	DEMOLISH EXISTING FLOOR FINISH AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION.
22	EXISTING STRUCTURAL COLUMN OR POST TO REMAIN
23	DEMOLISH EXISTING CHIMNEY
24	PRESERVE AND PROTECT EXISTING MURAL / ARTWORK

EXISTING TO REMAIN DEMOLISH

DIGSAU
<u>CLIENT</u> REBUILD 1515 Arch Street Mezzanine Level Philadelphia, PA 19104
OWNER CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102
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v 215.375.6059 <u>STRUCTURAL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com
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v 215.790.0727 www.groundreconsidered.com <u>MEP/FP ENGINEER</u> dbHMS 1500 Walnut St Suite 1910
Philadelphia, PA 19102 v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice 600 Chestnut Street Suite 772
Philadelphia, PA 19106 v 215.238.1644 <u>COST ESTIMATING</u> Dharam Consulting 1719 Chestnut Street Suite 300
Philadelphia, PA 19103 v 610.554.6560 <u>ENVIRONMENTAL CONSULTANT</u> Brightfields, Inc. 801 Industrial Street
v 302.656.9600 www.brightfields.com <u>LEED CONSULTANT</u> DataBased+ 303 W Erie Street, Suite 510 Chicago, IL 60654
v 312.915.0557 www.databasedplus.com
FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS
5800 Chester Ave Philadelphia, PA 19143
PROJECT #:2020SCALE:As indicatedFORMAT:30" X 42"DRAWN:DG / SCCHECKED:BM / MGDATE:4/7/2023
SHEET NAME: DEMOLITION PLAN - LEVEL 3
PROJECT PHASE:

 REPAIR/REPLACEMENT SCOPE INCLUDES (WHERE INDICATED):

 1.
 SCRAPE AND PAINT EXISTING STEEL DS AND CAST IRON PIPE COMPONENTS WITH
 EXTERIOR PAINT SYSTEM PER SPEC 099000 2. NEW DOWNSPOUT AND BOOT/CLEANOUT PER SPEC 076200. REFER TO CIVIL DRAWINGS FOR EXTENT OF BELOW GRADE PIPE REPLACEMENT

- (E) PIPE SLEEVE (ORIGINAL CAST ÌRÓN AT SELECT LOCATIONS)

(E) CAST IRON CONVEYANCE PIPE

- (E) CAST IRON CLEANOUT
- (E) STL DS

2 DEMOLITION BUILDING ELEVATION - WEST AD300 1/8" = 1'-0"

DEMOLITION ELEVATION LEGEND

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	EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING CONSTRUCTION TO BE REPAIRED
	EXISTING CONSTRUCTION TO REMAIN

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⊑ Iľ	EXISTING DOOR AND FRAME TO BE DEMOLISHED
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3.	COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS INDICATED IN THE BASIS OF DESIGN DOCUMENT.
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5.	REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 FOR ALL POTENTIAL ABATEMENT REQUIREMENTS
6.	UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
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24	PRESERVE AND PROTECT EXISTING MURAL / ARTWORK
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REBUILD 1515 Arch Street Mezzanine Level Philadelphia, PA 19104 <u>OWNER</u>			
CITY OF PHILADELPHIA Department of Parks and Recreation 1515 Arch Street, 10th Floor Philadelphia, PA 19102			
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CI Da 12 Su Pt wv	<u>CIVIL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com		
<u>S</u> Di 12 St Pł	v 215.375.6059 <u>STRUCTURAL ENGINEER</u> David Mason & Associates 123 S. Broad St Suite 1130 Philadelphia, PA 19109 www.davidmason.com		
L <u>/</u> Gi 23 St Pt	v 215.375.6059 <u>LANDSCAPE ARCHITECT</u> Ground Reconsidered 230 South Broad Street Suite 604 Philadelphia, PA 19102		
M M dk 15 Su Pt	v 215.790.0727 www.groundreconsidered.com <u>MEP/FP ENGINEER</u> dbHMS 1500 Walnut St Suite 1910 Philadelphia_PA 19102		
V : <u>Ll</u> Th 60 Su Pt	v 267.217.1612 <u>LIGHTING DESIGN</u> The Lighting Practice 600 Chestnut Street Suite 772 Philadelphia, PA 19106		
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Pł v (<u>Eľ</u> Bi	niladelphia, P 610.554.6560 NVIRONMEN rightfields, In	A 19103 TAL CONSULTANT	
80 W V V)1 Industrial S ilmington, DE 302.656.9600 ww.brightfield	s.com	
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	DATE:	DESCRIPTION:	
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PRO SC/	DJECT #:	2020 As indicated	
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DEMOLITION ELEVATION LEGEND

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FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING
5800 Chester Ave Philadelphia, PA 19143
PROJECT #: 2020
SCALE:As indicatedFORMAT:30" X 42"DRAWN:AuthorCHECKED:BM / MG
DATE: 4/7/2023 SHEET NAME: DEMOLITION
ELEVATIONS
SHEET NUMBER:
AD301
CONSTRUCTION DOCUMENTS