ARRDEV/	111	IUNIC

AL. TH. A.T.	ALUMINUM THRESHOLD AIR TERMINAL
B.L.P.	BORROWED LIGHT PANEL
D.P.	
DKG. BDK	BEAKING BRICK
DNN.	DRICK
CAB.	CABINET
C.A.B.C.	COURSE AGGREGATE BITUMINOUS CONCR
CARP.	CARPET
C.B.	CATCH BASIN
C.J.	CONTROL JOINT
CLG.	CEILING
CL.	
C.L.L.	
CLR.	CLEAR - CLEARANCE
	CAST IKUN CONCRETE MAGONRY UNIT
C.11.0.	CUNCRETE HASONRT UNIT
	COLUMN
CONC	CONCRETE
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CORR.	CORRIDOR
CORRU.	CORRUGATED
C.5.	CONSTRUCTION SHOWING
C.S.P.	CONSTRUCTION SHOWING PAINTED
C.T.	CERAMIC TILE
C.T.C.B.	CERAMIC TILE COVE BASE
C.W.	COLD WATER
DEMO	DEMOLICI
	DRINKING FOUNTAIN
D.L.	DOUBLE LOAD
DR.	DOOR
DWG.	DRAWING
EA.	EACH
ELEC.	ELECTRIC - ELECTRICAL
ELEV.	
	ELECTRICAL FANEL
FWC	FI FCTRIC WATER COOLER
EXP IT	EXPANSION JOINT
EXH.	EXHAUST
EXIST'G	EXISTING
E.T.R.	EXISTING TO REMAIN
F.A.B.C.	FINE AGGREGATE BITUMINUOUS CONCRET
F.B.	FACE BRICK
F.D.	FLOOR DRAIN
F.E.	FIKE EXTINGUISHER
FIN. FL.	
FIN. GR.	FINIOM GRADE FLADD
FL.	
101	

FOOTING

FTG.

GYP.	GYPSUM BOARD
HRD. WD.	HARDWOOD
NSUL.	INSULATION
NT.	INTERIOR
NV.	INVERT
JAN.	JANITOR
JST.	JOIST
JT.	JOINT
<it.< td=""><td>KITCHEN</td></it.<>	KITCHEN
LAV.	LAVATORY
L.W.T.	LIGHT WEIGHT
L.F.	LINEAR FEET
TAX.	MAXIMUM
TB.TH.	MARBLE THRESHOLD
TECH.	MECHANICAL
TFR.	MANUFACTURER
TIN.	MINIMUM
TIR.	MIRROR
T.T.P.	MASONRY OPENING
T.R.	METAL TOILET PARTITION
T.R.	MAT RECESS
T.R.	MOP RECEPTOR
T.T.	METAL THRESHOLD
TTL.	METAL
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
D.C.	ON CENTER
D.D.	OUTSIDE DIAMETER
DFF.	OFFICE
D.H.D.	OVERHEAD DOOR
DPN'G.	OPENING
Perf. Plas. Plat. Ply'WD P.S.F. P.S.I. P.T.C.B. PTD. PVC.	PERFORATED PLASTIC PLATFORM PLYWOOD POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PORCELAIN TILE PORCELAIN TILE COVE BASE PAINTED POLYVINYL CHLORIDE
2.Т.	QUARRY TILE
2.Т.С.В.	QUARRY TILE COVE BASE
R.	RISER
RAD.	RADIUS
R.D.	ROOF DRAIN
REQ'D	REQUIRED
RFG.	ROOFING
R.F.S.	RECESSED FLOOR SLEEVE
RM.	ROOM

R.O. R.O.W. R.W.C.	ROUGH OPENING RIGHT OF WAY RAIN WATER CO
S.A. SAN. SCH. S.D. SECT. SEW. S.L. SPEC. S.S. STL. ST.STL. STOR. S.U.	Sound Attenua Sanitary Schedule Soap dispense Section Sewer Skylight Specification(S Service Sink Steel Stainless Stei Storage Sink Unit
T. T. CN. T.D. T.& G. TH. THK. T.O.F. T.O.F. T.O.S. T.PNL. TYP. T.P. UC. U.D. U/G U.H. U.N.O. U/S U.V. V. V.C.B. V.C.T. V.S.B. VEST. V.T.R. W/ W.B. W.C. WD. W/O WSCT. WTH. W.M.M.	TREAD TOP OF CONCRE TOWEL DISPENS TONGUE AND GR THRESHOLD THICK - THICKN TOP OF FOOTING TOP OF FOOTING TOP OF STEEL TELEPHONE PAN TYPICAL TOILET PARTITIC UNDERCUT UNIT DIMENSION UNDERGROUND UNIT HEATER UNDERGROUND UNIT HEATER UNDER SLAB UNIT VENTILATC SHEET VINYL VINYL COVE BAS VINYL COMPOSIT VINYL STRAIGHT VESTIBULE VENT THRU ROC WITH WONDER BD. CE WATER CLOSET WOOD WITHOUT WAINSCOT WIDTH WELD WIRE MES

RAIN WATER CONDUCTOR
SOUND ATTENUATION BLANKET SANITARY SCHEDULE SOAP DISPENSER SECTION SEWER SKYLIGHT SPECIFICATION(S) SERVICE SINK STEEL STAINLESS STEEL STORAGE SINK UNIT
TREAD TOP OF CONCRETE TOWEL DISPENSER TONGUE AND GROOVE THRESHOLD THICK - THICKNESS TOP OF FOOTING TOP OF FOOTING TOP OF STEEL TELEPHONE PANEL TYPICAL TOILET PARTITION UNDERCUT UNIT DIMENSION UNDERGROUND UNIT HEATER UNLESS NOTED OTHERWISE UNDER SLAB UNIT VENTILATOR SHEET VINYL VINYL COVE BASE VINYL COMPOSITION TILE VINYL STRAIGHT BASE VESTIBULE VENT THRU ROOF WITH HONDER BD. CEMENTATIOUS BA WATER CLOSET WOD
WITHOUT WAINSCOT WIDTH WELD WIRE MESH

BRICK STEEL 2 101 F.E.

NEW RESTROOM BUILDING FOR FASOLA PARK

12 SYCAMORE LANE, DEPTFORD TOWNSHIP, NJ 08096



DRAWING INDEX- FASOLA PARK	BUILDING CHARACTERISTICS- FASOLA PARK
DRAWING INDEX- FASOLA PARK CS-I COVER SHEET ARCHITECTURAL DRAWINGS: A-I PLANS, SCHEDULES & DETAILS A-2 BUILDING SECTIONS, MALL SECTIONS, DETAILS A-3 BUILDING SECTIONS, MALL SECTIONS, DETAILS A-4 ROOF PLAN & ROOF FRAMING PLAN ENGINEERING DRAWINGS: M-1 FIRST FLOOR MECHANICAL PLAN & MECHANICAL SCHEDULES & DETAILS E-0 SITE ELECTRICAL PLAN E-1 FIRST FLOOR POWER AND LIGHTING PLAN P-1 FIRST FLOOR POWER AND LIGHTING PLAN P-2 PLUMBING SCHEDULES & DETAILS SITE IMPROVEMENTS & UTILITIES SITE IMPROVEMENTS & UTILITIES	BUILDING CHARACTERISTICS- FASOLA PARK BLOCK 223 LOT 64 USE GROUP U CONSTRUCTION TYPE III (1 STORY MASONRY STRUCTURE) III NUMBER OF STORIES 1 HEIGHT OF STRUCTURE ±17 ¹ BUILDING AREA ±804 S.F. ROO DESIGN LOADS 1 LIVE LOAD
SHEET 1 LEGEND & NOTES SHEET 2 EXISTING CONDITIONS PLAN SHEET 3 OVERALL UTILITY PLAN SHEET 4 SITE GRADING & UTILITY PLAN SHEET 5 CONSTRUCTION DETAILS SHEET 6 CONSTRUCTION DETAILS SHEET 7 SOIL EROSION & SEDIMENT CONTROL PLAN SHEET 8 SOIL EROSION CONTROL NOTES & DETAILS BUILDING CODES IBC- NJ- 2018 UCC. VJAC 5:23-7 BARRIER FREE ICC/ ANSI A 117.1- 2009 INTER MECH. CODE- 2018	TOTAL 44 <u>MISCELLANEOUS LOADS</u> WIND LATERAL 20 P.S.F. ¢ 1/3 FOR IMPACT WIND UPLIFT LOAD ON CANOPIES ¢ OVERHANGS 40 P.S.F. WIND UPLIFT ON GENERAL ROOF AREA 15 P.S.F. SEISMIC LOADS SAME AS WIND LATERAL LOADS SNOW LOADS 20 P.S.F.
NATIONAL ELEC. CODE- 2017	KE-BID DATE: 12/12/22
NATIONAL STD PLB'G CODE- 2018	No. DATE DESCRIPTION REV'D BY
INTERNATIONAL EMERGENCY CODE- 2018	REVISIONS APPROVAL: PROJECT: NEW RESTROOM BUILDING FOR FASOLA PARK IZ SYCAMORE LN, DEPTFORD TOWNSHIP, NJ 08096 TITLE: JOSEPH F. MCKERNAN Jr., Architects & Associates 100 Dobbs Lane Suite 204 Cherry Hill, New Jersey 08034 JOSEPH F. MCKERNAN JR., R.A. NJ ARCH AL (DBM: .PA ARCH RA-OBM22 XCT ARCH 7204 SEAL: DURENDER MURE PROJECTS & ASSOC CONTRACTOR MURE PROJECTS & ASSOC MERING NO: DIMENSION MURE PROJECTS & ASSOC JOSEPH F. MCKERNAN JR., R.A. NJ ARCH AL (DBM: .PA ARCH RA-OBM22 XCT ARCH 7204 SEAL: DURENDER MURE PROJECTION WITH CONSTRUCTION WITH PROJECTION WITH PROJECTION WITH PROJECTION WITH CONSTRUCTION WITH PROJECTION WITH PROJ

	DOOR SCHEDULE									
DOOD NO	ODENING GIZE	TYDE	THICK	мат			FR/	AME		
DOOR NO.	OFENING SIZE			TYPE	MAT.	HEAD	JAMB	SILL	HDW.	
1	3'-0" x 7'-0"	1	1 <mark>3</mark> "	FRP	A	AL.	2	2	AL.	1
2	3'-0" x 7'-0"	1	1 <mark>3</mark> "	FRP	A	AL.	2	2	AL.	1
3	3'-0" x 7'-0"	1	1 <mark>3</mark> "	HM	A	HM	1	1	-	2

	ROOM FINISH SCHEDULE: RENOVATED AREA(FIR					
ROOM NO.	ROOM NAME	FLOOR	WALLS	CEILING	HEIGHT	
101	WOMENS ROOM	RESINOUS FLOORING	EPOXY PTD.	PTD. GYP. BD.	10'-0 "	RESINC
102	MENS ROOM	RESINOUS FLOORING	EPOXY PTD.	PTD. GYP. BD.	10'-0"	RESINC
103	JANITORS CLOSET	CONCRETE				



DR EXACT	
<u>IN I</u>	
AND WELL TAMPED. IF FOOTINGS ARE	
BE POURED WITHOUT FORMS, D TRUE IF NOT, FORMS MUST BE USED.	
WITH 6 X 6 X 6 10/10 WELDED WIRE	
UNDER ENTIRE BUILDING.	
GRADE. B.O.F. (BOTTOM OF FOOTING) IS D EXISTING GRADE BE OTHER THAN PENSATE FOR THE DIFFERENCE.	
LL BE INSTALLED ACCORDING TO THE FOR REINFORCED CONCRETE" AC 318-63, ARD BY THE AMERICAN STANDARD	
OMPLY WITH THE AMERICAN STANDARD	
LY WITH THE A.S.T.M. SPECIFICATION A", WITH 1-1/4" FACE SHELL THICKNESS	
M., TYPE N/S (1000 #/SQ. INCH). LOADS	
110#/SQ. INCH ON SOLID BLOCK	
8" CMU WALL INTERIOR DUR-O-WAL REINF. @ 16" O.C. VERT. # VENNER TIES @ 16" O.C. VERT. #	
24" O.C. HORZ. TYPICAL SLAB CONST. (HT. VARIES)	
₩	
*	
(2) # 5 REBAR CONT. W/ #3 TIES @ 48"	
DESCRIPTION REV'D REVISIONS	BY
RESTROOM BUILDING FOR FΔSΩIΔ DΔRK	
I2 SYCAMORE LN, DERPTFORD TOWNSHIP, NJ 08096 TITLE:	
ects & Associates Ty Hill, New Jersey 08034 Contraction of the sector	
DIMENSIONS MUST BE VERIFIED BY CONTRACTOR. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION. DATE: 9/23/22	
DO NOT SCALE DRAWING. REV'D.: DRAWN BY: TC	

FIN. GR.

CONC. SPLASH BLOCK (TYP.)

2 RIGHT ELEVATION

NOTE: FINISH GRADE VARIES AROUND THE BUILDING- REFER TO CIVIL ENGINEERS SITE PLAN

ELEVATI*O*N

RE-BID DATE: 12/12/22 No. DATE APPROVAL: PROJECT: Joseph F. McKernan Jr., Archite 100 Dobbs Lane Suite 204 Chern JOSEPH F. MCKERNAN JR., R.A. NJ ARCH AI 10984 . PA ARCH RA-011402-X . CT ARCH 7324

DESCRIPTION			REV'D BY
REVISIONS			
RESTROOM E FOR FASOLA 12 SYCAMO DERPTFORD TOWNS	BUILDING PARK RE LN, SHIP, NJ 08096 TITLE:		
ects & Associates ry Hill, New Jersey 08034	BUILDING	ELEVATIO	NS
DIMENSIONS MUST BE VERIFIED BY CONTRACTOR. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION. DO NOT SCALE DRAWING.	SCALE: AS NOTED PROJ.NO.: 1181 DATE: 9/23/22 REV ¹ D.: DRAWN BY: TC CHKD.BY: DBF	DRAWING NO:	·2

RUSS TOP CHORD x4 x4 STUDS @ 16" O.C. OUBLE 2x6 RUSS TOP CHORD x4 PREFABRICATED 2X4 W TRUSSES @ 24" O.C. BRACING AS PER TRU MANUFACTURER (SUBR SEALED SHOP DRAWIN	100D 55 11T GS)
OUBLE TRUSSES	
R-30 BATT INSULATION	
OSES @ 24" O.C. DUS PRESSURE WD. BLOCKING DIA. ANCHOR BOLT D.C.	
AREA) FACE CMU VENEER	
EXTERIOR WALL CONSTRUCTION: CMU w/ DUR-O-WAL REINF. @ /ERTICAL W/ 1/2" RIGID ON CAVITY DUS THRU - WALL FLASHING	
HOLES @ 16" O.C. (TTP.) <u>FLOOR SLAB CONSTRUCTION</u> RETE FLOOR SLAB w/ 6x6 10/10 W.W.M w/ APOR BARRIER ON 4" CRUSHED STONE ON TED FILL (95% DENSITY)	
SLAB INSULATION - @ PERIMETER	
TAGGERED L	
OOTING w/ CONTINUOUS O.C.	

DESCINI NON			
REVISIONS			
RESTROOM E FOR FASOLA 12 SYCAMO DERPTFORD TOWNS	BUILDING PARK RE LN, SHIP, NJ 08096		
ects & Associates y Hill, New Jersey 08034	TITLE: BUILDING SECTIONS	SECTION & DETAI	5, WALL LS
DIMENSIONS MUST BE VERIFIED BY CONTRACTOR. NOTHY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION. DO NOT SCALE DRAWING.	SCALE: AS NOTED PROJ.NO.: 1181 DATE: 9/23/22 REV ¹ D.: DRAWN BY: TC	DRAWING NO:	-3
McKERNAN ARCHITECTS & ASSOC. Copyright 2022	CHKD.BY: DBF		

R*oo*f framing plan (I) KOOF FRANA-4 SCALE: 1/4" = 1'-0"

ALUM. RWC —

RE-BID) DATE: 12	/12/22					
No.	DATE			DESCRIPTION			REV'D BY
APPROVAL: PROJECT: PROJECT: RESTROOM BUILDING FOR FASOLA PARK I2 SYCAMORE LN, DERPTFORD TOWNSHIP, NJ 08096							
	Joseph F. McKernan Jr., Architects & Associates 100 Dobbs Lane Suite 204 Cherry Hill, New Jersey 08034 FRAMING PLAN						
JOSEPH NJ ARCH AT N	I F. MCKERNAN 0984 . pa arch ra-011402-x	JR., R.A. . ct arch 7324	SEAL:	Dimensions must be verified by contractor, notify the architect of any discrepancies before proceeding with construction, do not scale drawing.	Scale: As noted Proj.no.: 1181 Date: 9/23/22 Rev'd.: Drawn by: TC CHKD.by: DBF	drawing no:	-4

ST FAN SCHED	ULE			
signation	EF-1	EF-2	EF-3	
Basis of Design Model Number	Cook GC-422	Cook GC-422	Cook GC-148	GENERAL NOTES: 1. Contractor shall provide all labor, materials, tools, apparatus and equipment
CFM .S.P. (in. W.C.)	210 0.25	280 0.25	100 0.25	documents, codes, laws and ordinances, and accepted trade procedures. 2 The Contractor shall review all of the contract documents including those of t
Drive Type	Direct 14-1/4" x 21" x 11-7/8"	Direct	Direct	and related conditions that may, will or could affect his work. He shall be experience of the construction and shall be expert and proficient in the preparation of estimates
Weight (lbs.)	24	24	15	of contract documents such as those prepared for this project.
Location Service	Refer to Plans	Refer to Plans	Refer to Plans	Submission of the proposal shall be considered evidence that this requirement additional work made necessary by the failure to visit the site.
al Motor Power	115/1Ø/60 73 Watts	115/1Ø/60 98 Watts	115/1Ø/60 38 Watts	4. The Contractor by his acceptance of the contract guarantees that all work ins
Motor HP	0.044	0.044	0.040	during a period of one (1) year from the date of the certificate of completion a material or performance appear, such defects shall be remedied by him without
ckdraft Damper	Yes	Yes	Yes	defects as outlined within a reasonable length of time, to be specified in a not Contractor, the Owner will have such work done and he will charge the cost t
Wall Cap	No	No	No	5. Mechanical equipment shall be installed in a neat and workmanlike manner in Only mechanics skilled in this type of work shall be employed and utilized by
Roof Cap Exhaust Grille	No Yes, White	No Yes, White	No Yes, White	 The contract drawings are diagrammatic and indicate the general arrangeme
on Isolation Kit ard Disconnect	Yes Yes	Yes Yes	Yes Yes	for a complete installation. The contract drawings are not to be scaled. The a other contract documents shall be examined for all dimensional information.
	Vos	Voc	Vos	The Contractor shall follow the contract drawings in laying out his work, and to verify spaces in which his work shall be provided. Equipment locations shall be provided.
e Delay Switch	No	No	No	8. The Contractor shall, without additional costs to the Owner, make reasonable
Interlock	Interconnect w/	Interconnect w/	Interconnect w/	 The Contractor shall provide and maintain in good order a complete set of blue
IIILEHOCK	Coordinate w/	Coordinate w/	Coordinate w/	the actual location of all work shall be clearly recorded, including all changes shall be available at the site for inspection at all times. At the conclusion of the
	L.U.	L.U.	L.U.	of reproducibles of the original contract drawings and utilizing the symbols or a clearly legible and reproducible manner. All schedules shall be corrected to incorporated on these reproducibles including all sketches and written directi
	ATION SCHEDULE			boxes, etc. shall be dimensionally located from the building structure. As a correproducibles and one (1) set of prints shall be signed, dated and delivered to
	Material			10. The Contractor shall supply all labor required to perform all work which may here work shall be performed without any additional cost to the Owner irregardless
ς Exhaust Δir	Basis of Design Design	Type (in.) Barrier Remarks	Proseuro class Soal Class "A"	described. The Contractor shall be responsible to verify with all local organization and/or any jurisdictional decisions rendered regarding disputes between the
k, Outside Air	Galvanized Steel Certainteed	Duct Wrap 1-1/2 Yes ASHRAE 2	Pressure class. Seal Class "A"	accordance with the accepted trade practice in the area.
				The National Board of Fire Underwriters, the codes of the International Codes of the International Codes of the regulatory bodies having jurisdiction. All materials and equipment shall
				UL and other recognized industry regulatory groups.
				12. The Contractor shall give all necessary notices, obtain all permits, pay all gov work. He shall file all necessary plans and prepare all other documents include with all applicable laws, ordinances, rules and regulations.
				 The Contractor shall be responsible for all working conditions and shall maint
				14. All work shall be installed in strict accordance with the equipment manufactur
	=			15. Openings around ductwork and piping passing through the construction shall
M Size Neck	Mfgr. Model # Finish Damper Mto	d. Surface Material Remarks	Supply Grille w/ 3/4" Spacing	16. All systems are to be tested, adjusted and balanced to provide performance a controls.
				17. Coordinate to assure that all work of all trades will be concealed within the ware ceiling heights. Report exceptions to the Architect prior to construction and end
				18. All work shall be supported from the building structural system. Work shall no
				 The HVAC and Plumbing trades shall coordinate all work with the General Co
				20. All work shall be located to avoid conflicts with other work and provide adequ
ce Notes: less other wise indica	ted, provide duct connection the full size of d	luct shown on drawing.		adjustments, filter replacement, component service and provide a minimum 2 work.
ovide air device frame int return air plenums ordinate finish of all d	s to suit wall and ceiling construction. above return and transfer grilles black. iffusers, registers and grilles with Architect.			21. The Contractor shall maintain as-built drawings and deliver them to the Owner
				 Provide supports, hangers, flexible pipe connections, vibration isolation, supports specialties and all other labor, materials, devices and services required for a all piping, ductwork and conduit as high as possible. Provide starters for all piping.
				23. The HVAC trades shall coordinate all electrical loads with the Electrical Contr
ECTRICA	L COORDINATION	PIPING AND	DUCT CRITERIA	HVAC NOTES:
IT SHALL BE THE	E RESPONSIBILITY OF THE	1. ALL DUCTWORK SHALL	BE SIZED USING A STANDARD	installation of the Mechanical work.
MECHANICAL CO	ONTRACTOR TO COORDINATE THE SUPPRESSION SYSTEM PIPING	DUCTULATOR. THE FOL USED TO CALCULATE D	LOWING CRITERIA SHALL BE DUCT SIZES:	2. Provide all specialties, accessories, controls and the like to provide a comple
SHALL NOT BE I	NSTALLED WITHIN THE DEDICATED	a. SUPPLY DUCTS S 0.10 IN PEB 100 F	HALL BE NO MORE THAN	3. The HVAC trade shall provide all safety and operating controls, transformers, systems to operate in a safe and satisfactory manner.
NEW ELECTRIC	AL EQUIPMENT.	b. RETURN AND EXH MORE THAN 0.05	IAUST DUCTS SHALL BE NO IN. PER 100 FEET OF	 Do not operate the air conditioning systems during construction except for test to substantial completion.
COORDINATION BE SOLELY THE MECHANICAL C	OF DUCTWORK LOCATIONS SHALL RESPONSIBILITY OF THE ONTBACTOB APPROVAL OF	C. VENTILATION DUC C. VENTILATION DUC	CTS SHALL BE NO MORE B 100 FEET OF PRESSURE	 Ductwork shall be constructed of galvanized sheet metal fabricated and erect Provide turning vanes in all elbows, manual volume dampers in all branches
SHEET METAL S RELEASE THE C	UBMITTAL DRAWINGS DOES NOT ONTRACTOR FROM	DROP.		balance the systems and produce quiet, draftless operation. Ductwork sizes
COORDINATION COORDINATION	RESPONSIBILITY. FINAL SHALL OCCUR IN FIELD WITH	2. CONDENSATE SHALL E ADEQUATE PITCH TO	BE COLLECTED AND RUN WITH THE CLOSEST SAFE-WASTE.	 Ductwork shall be constructed to the sizes shown and made airtight during en leakage to 5% or less of circulated air.
WITH THIS REQU	JIREMENT MAY RESULT IN	ACHIEVED. CONDENSAT	ATE PIPING SHALL BE SIZED AS	 All ductwork shall be closely coordinated prior to fabrication. The Architectura contract documents shall be examined for all dimensional information. Full sh
CONTRACTOR'S	EXPENSE.	CONDENSATE	PIPE SIZING CHART	spacial requirements worked out and shown on drawings. These drawing mu exterior, floors, etc. and any problems. These drawing shall be submitted for
EQUIPMENT SPA SWITCHBOARDS	ACE SHALL APPLY TO S. DISTRIBUTION PANELS, AND	TONS 0-20	<u>SIZE</u> 3/4"	 Provide UL labeled and inspected fire dampers for all ducts and openings pass shown on the drawings and in locations required by codes
MOTOR CONTRO TO THE WIDTH A	DL CENTERS. THE SPACE EQUAL ND DEPTH OF THE EQUIPMENT	20-40 40-90	1" 1-1/4"	 Balance all air quantities to within 5% of the CFM shown on the drawings. Fir
AND EXTENDING OF 6' ABOVE TH		90-125 125-250	1-1/2″ 2"	Install all devices required for balancing in the system during construction. Pr agency for review by the Engineer.
SHALL BE DEDIC	CATED TO THE ELECTRICAL NO PIPING, DUCTS, LEAK	3. ALL CONDENSATE DRA MANUFACTURER'S RE	AINS SHALL BE INSTALLED PER	10. Provide written operating and maintenance instructions including all warranty
PROTECTION AF	PPARATUS, OR OTHER EQUIPMENT E ELECTRICAL INSTALLATION			11. Contractor shall coordinate all diffuser, grille and register locations with archit
SHALL BE LUCA				IZ. All hexible auctwork shall conform with the UL rating under flexible air duct te
				MECHANICAL SYMBOLS, INDICAT

XX X	EQUIPMENT DESIGNATION TAG	
	SUPPLY AIR DIFFUSER (CEILING)	
++	SUPPLY AIR DIFFUSER (SIDEWALL)	
	SUPPLY AIR DIFFUSER (LINEAR, CEILING)	
│ ≁∿-	RETURN AIR DIFFUSER (CEILING)	
≁Ն-	EXHAUST AIR DIFFUSER (CEILING)	بر
┝─┤ ◄ ∿⊢	RETURN/EXHAUST AIR DIFFUSER (SIDEWALL)	ے بے
ᡔᢩᢟ᠊ᢇ	BRANCH DAMPER	ے بے
÷	VOLUME DAMPER	
	2" DOOR UNDERCUT	
T	THERMOSTAT	
Ś	DUCT MOUNTED SMOKE DETECTOR	
Ď	DUCT SIZE TRANSITION	
$\langle \hat{\Box} \rangle$	EXHAUST FAN	

RE-BID DATE: 12/12/22

No. DATE DESCRIPTION I REVISIONS APPROVAL: PROJECT: RESTROOM BUILDING FOR	rev'd by				
No. DATE DESCRIPTION H REVISIONS APPROVAL: PROJECT: RESTROOM BUILDING FOR	rev'd by				
APPROVAL: PROJECT: REVISIONS FOR FOR					
APPROVAL: PROJECT: RESTROOM BUILDING FOR					
FASOLA PARK	PROJECT: RESTROOM BUILDING FOR FASOLA PARK				
12 SYCAMORE LN, DERPTFORD TOWNSHIP, NJ 08096					
Joseph F. McKernan Jr., Architects & Associates 100 Dobbs Lane Suite 204 Cherry Hill, New Jersey 08034 TITLE: FIRST FLOOR MECHANICA SCHEDULES & DETAIL	ICAL \L LS				
SEAL: SEAL: DIMENSIONS MUST BE VERIFIED BY CONTRACTOR. NOTIFY THE ARCHITECT or ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION. DO NOT SCALE ORAMING. SCALE: AS NOTED PROJ.NO.: 22-860 DATE: 09/23/2022 REV ⁴ D.: SW DRAWING NO: TO (215)-322.7711 F: (215)-322.7709 WWW.holsteinwhite.com NJ AUTH NO. 24GA28143700 SCALE: AS NOTED PROJ.NO.: 22-860 DATE: 09/23/2022 REV ⁴ D.: SW DRAWING NO: CONSTRUCTION. DO NOT SCALE DRAWING. CHKD.BY: DB CHKD.BY: DB	.0				

RAWING NOTES

upment required to complete his work in accordance with the contract hose of the other trades in order to acquaint himself with the existing

all be experienced, skilled and knowledgeable with this type of estimates and the comprehension, implementation and interpretation

e shall examine all existing conditions which affect the work. equirement has been fulfilled. No extra payment will be allowed for

work installed shall be free from all defects in workmanship and apacities and characteristics specified. He further guarantees that if, pletion and acceptance of the work, any such defects in workmanship, him without cost to the Owner. If the Contractor fails to remedy the d in a notice from the Owner's authorized representative to the ne cost to the Contractor.

manner in accordance with the latest and best practices of the trade. tilized by the Contractor for this division in the execution of this work. rangement of systems. The Contractor shall provide all work required d. The architectural contract drawings and details together with the

ork, and he shall also check the contract drawings of the other trades ations shall be coordinated with the Architect and the G.C. asonable modifications in the layout of his work in order to prevent

set of blueline prints of the contract drawings. As the work progresses changes to the contract and equipment size and type. These prints ion of the work, the contractor shall, at his own expense, obtain a set mbols on the contract drawings, shall incorporate all "as-built" data in ected to indicate "as-built" conditions. All revisions shall be en directives. All concealed equipment, mainfeeders, pull and junction As a condition for acceptance of the work, the "as-built" livered to the Engineer.

nich may be claimed by trade organizations within his jurisdiction. All egardless of which section of the contract documents the work is organizations the extent of any collective bargaining agreements een the respective trades and provide and install his work in

gulations of the local, municipal, county, state and federal authorities, onal Codes Council, the National Fire Protective Association and all nent shall bear the stamps or seals of the NFPA, ASME, NEMA, IEEE,

y all governmental taxes, fees and other costs in connection with his its including additional detailed plans that are required for compliance

nall maintain a safe environment at the job site for all employees.

anufacturer's recommendations and requirements. tion shall be sealed with fire barrier caulking.

rmance as indicated on the drawings. Test and adjust all safety

in the wall and ceiling construction and without the need to reduce n and erection of the work. shall not be supported from the ceiling suspension system, from

anical work. eneral Contractor prior to installation.

e adequate clearances for architectural design, proper operation, inimum 2" clearance between all piping, ductwork, conduit and other the Owner upon completion of the project.

tion, supplementary supports, controls and wiring, cleaning, painting, red for a complete, quality installation. Unless otherwise indicated, rur for all motor driven equipment. cal Contractor.

all required cutting and patching and the like required by the

complete, quiet, properly operating automatically controlled systems. sformers, motor starters, devices and control wiring required for the

pt for testing and provide new filters for all units and immediately prio

and erected in accordance with ASHRAE and SMACNA standards. pranches, air equalizers and similar devices as required to properly rk sizes shown on the plans are sheet metal I.D. free area. during erection with caulked, taped or hardcast joints to restrict

hitectural contract drawings and details together with the other n. Full sheet metal shop drawings drawings shall be developed with all awing must show: locations of openings to be cut through the building's nitted for review by the Architect and Engineer prior to fabrication. nings passing through floors, fire rated walls and ceilings, where

vings. Finally balance individual outlets to the occupants' satisfaction. uction. Provide balancing reports by a certified testing and balancing

warranty certificates, in duplicate, to the Architect.

th architectural ceiling plans and lighting layouts. ir duct test UL-181.

CATIONS & ABBREVIATIONS

\sim	FLEXIBLE DUCTWORK
	DUCT W/ ACOUSTICAL LINING
	RETURN/EXHAUST AIR DUCT UP
	RETURN/EXHAUST AIR DUCT DN
	SUPPLY/MAKE-UP AIR DUCT UP
\bowtie	SUPPLY/MAKE-UP AIR DUCT DN
	MOTORIZED DAMPER
CD	CONDENSATE DRAIN
→ →	DIRECTION OF FLOW
	PIPE TURNING DOWN
O	PIPE TURNING UP
]	CAPPED FLANGE
AD A.F.F. DFM DN EA EF FH M.O.D. DA RA RTU SA JC	AIR DEVICE ABOVE FINISHED FLOOR CUBIC FEET OF AIR PER MINUTE DOWN EXHAUST AIR EXHAUST FAN FAN FORCED HEATER MOTORIZED DAMPER OUTSIDE AIR RETURN AIR ROOFTOP UNIT SUPPLY AIR UNDERCUT

RE-BID DATE: 12/12/22

	SITE ELECTRICAL NOTES
1.	PLAN IS DIAGRAMMATIC ONLY. VERIFY EXACT LOCATIONS OF ALL EQUIPMENT AND SITE WORK WITH OWNER, ARCHITECT, AND CIVIL ENGINEER PRIOR TO COMMENCING WORK.
2.	CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF UNDERGROUND SERVICES WITH OTHER CONTRACTORS AND UTILITY COMPANIES.
3.	EXACT ROUTING AND TERMINATION POINTS OF UNDERGROUND SERVICES SHALL BE VERIFIED WITH THE UTILITY COMPANY AND OTHER CONTRACTORS.
4.	IN ADDITION TO THE LENGTH SHOWN, THE CONTRACTOR SHALL PROVIDE A UNIT PRICE PER 25'-0" OF RUN FOR SECONDARY ELECTRIC SERVICE CONDUITS, RELATED TRENCHING, AND BACKFILL.
5.	IN ADDITION TO THE LENGTH SHOWN, THE CONTRACTOR SHALL PROVIDE A UNIT PRICE PER 25'-0" OF RUN FOR TELEPHONE SERVICE CONDUITS, RELATED TRENCHING, AND BACKFILL.
6.	COORDINATE FINAL INTERCONNECTIONS TO EACH UTILITY COMPANY, PROVIDE ALL MATERIALS AND LABOR REQUIRED FOR SERVICE CONNECTIONS IN ACCORDANCE WITH EACH UTILITY (POWER AND COMMUNICATIONS) COMPANY SERVICE STANDARDS.
7.	UNLESS OTHERWISE NOTED, UNDERGROUND ELECTRICAL AND COMMUNICATIONS CONDUITS SHALL BE 24" MINIMUM BELOW GRADE. UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC.
8.	PROVIDE, IN TRENCH CONTAINING ELECTRIC AND COMMUNICATION DUCT SYSTEMS, AN UNDERGROUND UTILITY MARKING TAPE. TAPE SHALL BE BURIED 1 FOOT BELOW GRADE AND RUN CONTINUOUS THE ENTIRE LENGTH OF DUCT TRENCH. TAPE SHALL BE BRIGHTLY COLORED RED POLYETHYLENE LONG LIFE TYPE WITH PRINTED WARNING TO READ "CAUTION, BURIED ELECTRIC LINE BELOW".
9.	PROVIDE ALL REQUIRED EXCAVATION TRENCHING, BACKFILLING, COMPACTING IN ACCORD WITH THIS DIVISION.
0.	PROVIDE APPROVED GROUNDING CONDUCTOR IN ALL CONDUIT.
1.	PROVIDE PVC CONDUIT BURIED 30 INCHES MINIMUM BELOW FINISHED GRADE, OR AS OTHERWISE INDICATED, FOR SERVICES AND FEEDERS.
2.	PROVIDE UNDERGROUND DUCTS IN A STRAIGHT LINE. POCKETS WHERE WATER CAN ACCUMULATE IN CONDUITS WILL NOT BE PERMITTED.
3.	ALL UNDERGROUND CONDUITS SHALL BE WATERTIGHT. DOPE THREADS OF STEEL CONDUIT BEFORE JOINING. PVC CONDUITS SHALL BE CHEMICALLY BONDED AROUND ENTIRE CIRCUMFERENCE OF THE CONDUIT AT EACH JOINT. PROVIDE A MINIMUM OF 6 FEET OF RIGID STEEL CONDUIT WHEN ENTERING OR RUNNING UNDER MANHOLES, TRANSFORMER PADS, AT BUILDING WALLS OR FOUNDATIONS AND ON BOTH SIDES OF ROADS. CONDUITS UNDER ROADS SHALL BE STEEL.
4.	PROVIDE ALL EXCAVATION, TRENCHING AND BACKFILLING INCLUDING SHORING, SHEETING, PUMPING, GRADING, BARRICADING AND OTHER RELATED WORK NECESSARY FOR INSTALLATION OF ELECTRICAL WORK.
5.	EXCAVATION SHALL BE PERFORMED ON AN UNCLASSIFIED BASIS AND SHALL INCLUDE THE REMOVAL OF MATERIALS ENCOUNTERED.
6.	TRENCHES SHALL BE OF SUFFICIENT DEPTH TO ALLOW ADEQUATE COVER OVER RACEWAYS. BOTTOMS OF TRENCHES SHALL BE INSTRUMENT GRADED IN DIRECTION OF FLOW. EARTH SHALL BE SCOOPED OUT SO RACEWAYS WILL HAVE SOLID BEARINGS ON UNDISTURBED EARTH. WHERE RACEWAYS ARE INSTALLED IN FILLED GROUND CONCRETE ENVELOPE ENCASEMENT SHALL SPAN FULL WIDTH OF TRENCH.
7.	BACKFILL SHALL BE MADE WITH CLEAN EARTH FREE OF ROCKS, FROZEN EARTH, DEBRIS OR OTHER FOREIGN MATERIAL. DEPOSIT BACKFILL IN UNIFORM LAYERS NOT OVER 6" THICK. TAMP EACH LAYER BEFORE APPLYING NEXT LAYER. CINDERS IN BACKFILL ARE PROHIBITED.
8.	EXCAVATED MATERIAL REMAINING AFTER THE BACKFILLING OPERATION SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
9.	REPAIR STREETS, PAVEMENTS, LAWNS, CURBS AND OTHER FINISHED SURFACES DAMAGED BY EXCAVATION AND RESTORE SAME TO ORIGINAL CONDITION.
0.	CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND AVOIDING EXISTING UNDERGROUND FACILITIES. HAND EXCAVATE AREAS OF CONFLICT WITH EXISTING UNDERGROUND PIPING AND OR CABLING. AREAS SHALL BE FIELD INSPECTED AND MARKED BY LICENSED AND INSURED LOCATING CONTRACTOR PRIOR TO COMMENCING WORK IN AREA.

LOW VOLTAGE (208/120V) 4" PVC CONDUIT

DESCRIPTION				REV'D BY			
REVISIONS				•			
RE	STROOM B	BUILDING					
	FASOLA	PARK					
DERPT	12 SYCAMORE LN, DERPTFORD TOWNSHIP, NJ 08096						
nitects & A herry Hill, New v	ssociates Jersey 08034	SITE ELE	CTRICAL	. PLAN			
DIMENSIG CON ARCHITEI BEFC DO	ONS MUST BE VERIFIED BY TRACTOR, NOTIFY THE CT OF ANY DISCREPANCIES RE PROCEEDING WITH CONSTRUCTION, NOT SCALE DRAWING.	SCALE: AS NOTED PROJ.NO.: 22-860 DATE: 09/23/2022 REV ¹ D.: JH DRAWN BY: JC CUKD BY: PP		0.0			
13700 NICKERN COPYRG	NEKERINAN ARCHITECTS & ASSOC. CHKD.BY: PP COPYRGATI 2022						

- CIRCUITED TO PANEL 'A1A'.
- 6. UNLESS OTHERWISE NOTED ALL LIGHTING SHALL BE CIRCUITED TO PANEL 'A1A'.
- EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE CONNECTED TO LINE SIDE OF LOCAL LIGHTING

8. COORDINATE ALL LOW VOLTAGE WORK WITH OWNER AND OWNERS LOW VOLTAGE VENDOR. ELECTRICAL CONTRACTORS SHALL FURNISH AND INSTALL ALL BACKBOARDS WITH CONDUIT AND PULL STRING TO ACCESSIBLE CEILING SPACE.

ΝΟΙ	JNTING H	IEIGHTS		
Alarm G	ongs and Horns			
ounted L	ighting Heads (Or	1'-0" Below Finised	Ceiling)	
T IXturoe	,			
vest of t	he two Heights). N	lounting		
Mounted	Above Doors)			
al Panel t Switche	boards and Commes, Magnetic Moto	iunication System C r Starters and Conta	actors	
s (3'-6" a e Load (at Handicap Locati	ons)		
vitches		_		
es, Elec Telephoi	rrical and Elevator	mputer Outlets		
ry consti	ruction the mountin	ng heights shall be ι	used for	
E	LECTRI	CAL SYM	BOLS	
0 =	GFI Duplex	Receptacle		
+	- 125V, 2P, Device Mou	3W Inted Above Cou	nter Top	
φ-	Solid Conne	ection to Equipm	nent	
N/	Motor			
┏	Unfused Dis	sconnect Switch		
	Electrical Pa	anel Como or		
UU CLG	Ceiling Mou	nted		
EM	Emergency	Battery Pack		
∇D	Dual Remote	e Lighting Heads	3	
Ю	Incandescer Intensity Dis	nt, Fluorescent o scharge Lighting	or High ⊨Fixture	
S	Single Pole	Switch		
WP C 🕀 H	Weatherproo	of ontrol Switch		
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ING		DIAGRA	MNOTES	
1. UNI SPA	LESS OTHERWIS	E NOTED, ALL DE\ E.	/ICES AND	
2. UNI COI	LESS OTHERWIS	E NOTED, ALL ABC _L BE COPPER, TY	OVE GRADE 'PE THW,	
3. UNI				
RAT	TED 75°C.		PE XHHW-2,	
4. UNI COI	NDUITS SHALL BI	E NOTED, ALL INT E EMT.	ERIOR	
5. UNI ANI PVC	LESS OTHERWIS D EXTERIOR CON D.	E NOTED ALL UND IDUITS SHALL BE	ERGROUND SCHEDULE 40	
6. LIG EQI	HT LINEWEIGHT JIPMENT.	INDICATES EXISTI	ING	
7. HEA	AVY LINEWEIGHT	INDICATES NEW	EQUIPMENT.	
8. HEA EQU	VY DASHED LINI JIPMENT TO BE [EWEIGHT INDICAT	ED EXISTING REMOVED.	
9. ALL WIT	EQUIPMENT SHA	ALL BE SERIES RA AILABLE SHORT C	ATED TO IRCUIT	
10. COI	NTRACTOR SHAL			
	ICATING THE MA	XIMUM AVAILABLE	E FAULT	
11. COI ALL	NTRACTOR SHAL	L PROVIDE NEW I	LABELING FOR SCONNECTS.	
SEF	RECTS SHAL	LL BE LABELED AS IECT X OF X".	S FOLLOWS "	
MULTI-0 FEATU RIES IN	JABLE CONNECT JRE AS MANUFAC C., POLARIS SER	ION BLOCK CTURED BY		
MD600- PHASE/I	NEUTRAL/GROUN	ID (TYPICAL FOR	5)	
HASE C			GROUND	
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ACH RI	ESPECTIVE PHASE	SE TERMINAL BLO	СК	
Y AIL				
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REV	SIONS			· r
	RESTROOM E	SUILDING		
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DE	12 SYCAMO RPTFORD TOWN	/KE LN, SHIP, NJ 08096		
itects	& Associates	FIRST FLC	OR POWER AND)
ry 11111,		SCALE: AS NOTED	DRAWING NO:	
	DIMENSIONS MUST BE VERIFIED BY CONTRACTOR, NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION	PROJ.NO.: 22-860 DATE: 09/23/2022	-	
	DO NOT SCALE DRAWING.	REV'D.: JH	⊨ ⊏- 1.0	1

DRAWN BY: JO

VOKERNWN ARCHITECTS & ASSOC. CHKD.BY: PP

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RE-BID DATE: 12/12/22

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No.	DATE		DESC	RIPTION			REV'D BY
			REV	ISIONS			
APPROVAL:			PROJECT: RESTROOM BUILDING FOR FASOLA PARK 12 SYCAMORE LN, DERPTEORD TOWNSHIP, NJ 08096				
Joseph F. M 100 D			McKernan Jr., Architects & Associates Dobbs Lane Suite 204 Cherry Hill, New Jersey 08034			ING PLAN	
HOLSTEIN	210 E. Sh Feaste C: (2 WHITE F: 12 www.h	reet Road, Suite 2D Irville, PA 19053 215/322-7711 215/322-7709 Iolsteinwhite.com	SEAL: SCOTT A. WHITE NJ PE NO. 24GE04677900 NJ AUTH NO. 24GA28143700	DIMENSIONS MUST BE VERIFIED BY CONTRACTOR. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION. DO NOT SCALE DRAWING.	SCALE: AS NOTED PROJ.NO.: 22-860 DATE: 09/23/2022 REVID.: SW DRAWN BY: RY CHKD.BY: DB	DRAWING NO:	1.0

	GENERAL NOTES
1.	REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATIONS OF ALL THE FURNITURE, PLUMBING FIXTURES, AND EQUIPMENT.
2.	CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PIPING WITH THE LOCATION OF ALL FOOTERS AND UTILITY PIPING.
3.	ALL SANITARY PIPING 4"Ø AND LARGER SHALL BE SLOPED AT A MINIMUM OF 1/8" PER FOOT. ALL SANITARY PIPING 3"Ø AND SMALLER SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT. CONTRACTOR SHALL VERIFY THE EXACT INVERTS IN THE FIELD.
4.	CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE NEW PIPING WITH ALL OTHER TRADES TO AVOID CONFLICTS.
5.	ALL FLOOR DRAINS SHALL HAVE A TRAP PRIMER CONNECTION. REFER TO SANITARY FLOOR PLANS FOR LOCATIONS OF ALL FLOOR DRAINS. PROVIDE TRAP PRIMER AND 1/2" CW PIPE FROM TRAP PRIMER TO FLOOR DRAIN CONNECTION. WRAP ALL CW PIPE WITH 1/2" ARMAFLEX.
6.	REFER TO PLUMBING FIXTURE SCHEDULE AND RISER DIAGRAMS FOR MORE INFORMATION REGARDING SANITARY, VENT, COLD WATER AND HOT WATER PIPING SIZES.

e or	BFP BT O CW DFU DN H (EA FFU GGW L CD N SSK SQC WT VTR	Backflow Preventer Bathtub Cleanout Cold Water Drainage Fixture Unit Down Domestic Water Heater Existing Each Floor Drain Funnel Floor Drain Fixture Unit Gas General Contractor Hot Water Lavatory Plumbing Contractor Roof Drain Sanitary Shower Sink Square Feet Water Closet Wall Hydrant Vent Thru Roof
Ŧ	Mixing Val	ve
BFP	Back Flow	Preventer
I⊕I	Balancing	Valve
$\Theta \rightarrow$	Existing - t	o - New Connection
	Pump	

				L
DESCF	RIPTION			REV'D BY
REVIS	SIONS			
	RESTROOM B FOR FASOLA F	SUILDING PARK		
DEF	12 SYCAMO RPTFORD TOWNS	RE LN, HIP, NJ 08096		
herry Hill,	& Associates New Jersey 08034	TITLE: PLUMBING C	G SCHED DETAILS	ULES &
E 000 3700	DIMENSIONS MUST BE VERIFIED BY CONTRACTOR, NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION, DO NOT SCALE DRAWING,	SCALE: AS NOTED PROJ.NO.: 22-860 DATE: 09/23/2022 REV'D.: SW DRAWN BY: RY CHKD.BY: DB		2.0
	Cuptright 2022			

NJ PE NO. 24GE04677 AUTH NO. 24GA281

		5				
	Slant Lettering =	Existing		Vertical Lettering	= Proposed	
Sanitary Sewer Main	<u>EXISTING</u> SIZE AND _S TYPE	S	PROPOSED MH	PROPOS SIZE_AND_TYPE_S_	<u>ED</u>	
Sanitary Sewer Main by DTMUA	u u		INV. ELEV.	BY DTMUĄ	— s ——	INV. ELEV.
Water Service	SIZE AND WTYPE	— W ———	$-\otimes$	SIZE_AND_TYPEW_	×	
Water Service by DTMUA				<u>BY DTMU</u> A	— w ———	
Gas Main	SIZE AND GTYPE	— G ———		SIZE AND GTYPE	G	
Storm Sewer Main	SIZE AND _{ST} TYPE	— <i>ST</i> ———	_	SIZE AND TYPE	st	
Roof Drain	<u>SIZE</u> RD	— RD ———	_	SIZE RD	RD	
Cable Conduit	C	— C ———	_			
Electrical Conduit	E	— E ———				
Overhead Wire	OH	— OH ———	_			
Fiber Optic Conduit	FO	— FO ———	_			
Unknown Utility	UU	- UU	 D <i>E</i>			
Edge Of Pavement			<u>-</u> 2E		TYPE	
Pavement Marking Stripes	λ			<u> </u>		
Cut and Fill Slope Lines	F	C	_		——F ——	
Center Line Or Base Line	₽ 	<u></u>	_	₽	€	
(IT Both Label As Such)	12+00 ₽	13+00		24+00 P	25+00	
Property Lines	<u>''</u>		_	<u>'L</u>		
Curb		====== TYP	 PE	SIZE, SLOPING, O	R VERTICAL	
Wooden Fence	OOO		_	oo	-00	
Steel / Chainlink Fence	OOOOOOO	0	_	<u> </u>	-00	
Beam Guide Rail	0 0 0 0 0 0	o o c	, ·	o o o o o	0 0 0	
Railroad Irack	+++++++++++++++++++++++++++++++++++++++	+++++++++++++++++++++++++++++++++++++++	+			
DIOCK Wall	~~~~~~			~~~~~~	\sim	
Seam		f f				
Saw-Cut Line						
Limit of Disturbance				L.9,D.	//	
Silt Fence				XXX	XX	
Tree Protection				_ · · · _	· ·	
Major Contour				75}		
Minor Contour				74]		
Cable TV				Signs		I
18" Pole No. & Type	UP No. ACE4159			Iron Pins		
Pole with Guy Wire	-0			P.K. Nail / Drill H	Hole	
Luminaire	0			Raised Pavement	Markers	\Diamond
Lantern Water Cate Value	¢ ~			Mailbox		\sim
Gas Gate Valve	\boxtimes			гиге Hyarant Asse Clean Qut	embly	(X) (),
Junction Box	JB			Curb Stop		(() ()
Loop Detector	\diamond			Tree (Size, Kind)		12" OAK ਵ
Inlet Type 'A'				Proposed Ruilding		
Inlet Type 'B'						
Inlet Type 'E'				Proposed Concret	e 4" Thick	Δ
Manhole					, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	٩
Benchmark Label	BENCHMARK	_		Proposed Utility 1	Trench	
	N: 0.00 E: 0.00 ELEV.=0.00	/		Stabilized Constru	uction Entrance	
				Droposed Els.		<u>لاہ ک</u> *
				Proposed Elevatio Pavement	DT)	Ĺ
				Ground Sidewalk		
				Corner		

Cement Lined Ductile Iron Pipe C.L.D.I.P. Corrugated Metal Pipe Cleanout Concrete Surface Curb Stop Cubic Yard Ductile Iron Pipe Elevation Edge Of Pavement Fire Hydrant Found Monument Found Rebar Gas Valve

Inlet Grate Elevation

C.M.P. СО CONC. CS С.Ү. D.I.P. ELEV. E.O.P. FH FND. MON. FND. RB GV GR.

Linear Foot Limit Of Cut Limit Of Disturbance Limit Of Fill Limit Of Millina Limit Of Paving Lump Sum Manhole Match Existing Elevation Man-Hour Not To Scale On Center PK Nail Polyvinyl Chloride Pipe

L.F. LOC LOD LOF LOM LOP L.S. ΜН M.E. ΜН N.T.S. 0.C. ΡK P.V.C.

Rim Elevation Reinforced Concrete Pipe Right Of Way Sanitary Manhole Square Feet Station
Storm Manhole
Square Yard
Top Of Curb Elevation
To Be Removed
Utility Pole
Water Service
Water Valve
4" Solid Blue Stripe
4" Solid Double Yellow Stripe
4" Solid White Stripe
4" Solid Vollow Stripe
24 Solia White Stripe

SURVEY NOTES

- 1. THE SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ANY EASEMENT. RESTRICTION AND/OR COVENANTS THAT A CURRENT REPORT OF TITLE. OR COMPLETE SEARCH OF THE PUBLIC RECORD, MAY DISCLOSE.
- 2. BLOCK AND LOT NUMBER REFER TO THE OFFICIAL TAX MAPS OF THE TOWNSHIP OF DEPTFORD, COUNTY OF GLOUCEESTER, STATE OF NEW JERSEY.
- 3. THE LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS ILLUSTRATED ARE BASED UPON UTILITY MARKOUT ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD. THE STATE OF NEW JERSEY REQUIRES NOTIFICATION PRIOR TO ANY EXCAVATION BY UTILIZING THE NEW JERSEY ONE-CALL SYSTEM (1-800-272-1000).
- 4. SURVEY BASED ON N.J.S.P.C.S. (NAV '83) (2011). VERTICAL DATUM: NAVD 1988 (GEOID 12A).

SITE NOTES

- 1. LOCATION OF EXISTING SURFACE SUBSURFACE UTILITIES AND FEATURES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 2. ANY DIFFERING SITE CONDITIONS WHICH WOULD AFFECT THE PERFORMANCE OF THE WORK MUST BE REPORTED TO THE ENGINEER.
- 3. ALL CONSTRUCTION METHODS, MATERIALS AND DETAILS SHALL BE IN ACCORDANCE WITH DEPTFORD TOWNSHIP REQUIREMENTS.
- 4. PLANS ARE TO BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS PREPARED BY OTHERS.
- 5. REFER TO DETAILS SHEETS FOR MATERIAL SPECIFICATIONS.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR THE CONSTRUCTION OF THE APPROVED IMPROVEMENTS.
- 7. THE OWNER OR HIS REPRESENTATIVE IS TO DESIGNATE AN INDIVIDUAL RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE COURSE OF SITE IMPROVEMENTS PURSUANT TO N.J.A.C. 5.23-2.21 (e) OF THE N.J. UNIFORM CONSTRUCTION CODE AND CFR 1926.32(f) (OSHA COMPETENT PERSON).
- 8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING SITE SAFETY DEVICES AND SAFETY TRAINING FOR PERSONNEL, AND SHALL MAINTIAIN SAFE PRACTICES ON SITE AT ALL TIMES.
- 9. ALL TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS MUST BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)".
- 10. ALL PAINTED TRAFFIC, MARKINGS/STRIPING SUBJECTED TO VEHICLE MOVEMENTS MUST BE HOT EXTRUDED THERMOPLASTIC PAINT WITH GLASS BEADS THAT IS IN COMPLIANCE WITH THE LATEST NJDOT SPECIFICATIONS.
- 11. ALL TRAFFIC CONTROL SIGNS MUST BE PLACED ON BREAK AWAY POSTS THAT ARE IN COMPLIANCE WITH THE MUTCD.

GRADING NOTES

- 1. MATERIAL PLACED IN FILL SHALL BE FREE OF DETRIMENTAL AMOUNTS OF SOD. ROOTS, FROZEN SOIL, STONES MORE THAN SIX (6) INCHES, AND OTHER OBJECTIONABLE MATERIAL
- 2. DRAIN FILL SHALL BE KEPT FROM BEING CONTAMINATED BY ADJACENT SOIL MATERIALS DURING PLACEMENT BY EITHER PLACING IT IN A CLEANLY EXCAVATED TRENCH, OR BY KEEPING THE DRAIN AT LEAST ONE FOOT ABOVE THE ADJACENT EARTH FILL.
- 3. SELECTED DRAIN FILL AND BACKFILL MATERIAL SHALL BE PLACED AROUND STRUCTURES PIPE CONDUITS AT ABOUT THE SAME RATE ON ALL SIDES TO PREVENT DAMAGE FROM UNEQUAL LOADING. FILL MATERIAL SHALL BE PLACED AND SPREAD BEGINNING AT THE LOWEST POINT IN THE FOUNDATION. AND THEN BROUGHT UP IN CONTINUOUS HORIZONTAL LAYERS THICK ENOUGH THAT THE REQUIRED COMPACTION CAN BE OBTAINED.
- 4. THE DISTRIBUTION GRADATION OF MATERIALS SHALL BE SUCH THAT NO LENSES. POCKETS, STREAKS, OR LAYERS OF MATERIAL SHALL DIFFER SUBSTANTIALLY IN TEXTURE OR GRADATION FROM SURROUNDING MATERIAL.
- 5. THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL BE ADEQUATE FOR OBTAINING THE DESIRED COMPACTION. MATERIAL THAT IS TOO WET SHALL BE DRIED TO MEET THIS REQUIREMENT. AND MATERIAL THAT IS TOO DRY SHALL BE WETTED AND MIXED UNTIL THE REQUIREMENT IS MET. CONSTRUCTION EQUIPMENT SHALL BE OPERATED OVER EACH LAYER OF FILL TO ENSURE THAT THE REQUIRED LEVEL OF COMPACTION IS OBTAINED.
- 6. FILL ADJACENT TO STRUCTURES, PIPE CONDUITS, OR DRAIN FILL SHALL BE COMPACTED TO A DENSITY EQUIVALENT TO THAT OF THE SURROUNDING FILL BY HAND TAMPING, OR BY USING MANUALLY DIRECTED POWER TAMPERS OR PLATE VIBRATORS. FILL ADJACENT TO CONCRETE STRUCTURES SHALL NOT BE COMPACTED UNTIL THE CONCRETE HAS HAD TIME TO GAIN ENOUGH STRENGTH TO SUPPORT THE LOAD.
- 7. GRADING SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL.
- 8. PROVIDE A MINIMUM OF 1.5% SLOPE IN ALL SHEET FLOW LAWN AREAS.
- 9. MINIMUM SLOPE OF 1.0% SHALL BE PROVIDED IN SWALES.
- 10. THERE SHALL BE A MINIMUM OF SIX (6) INCHES OF DROP WITHIN THE FIRST TEN (10) FEET OF THE BUILDING FOUNDATIONS.
- 11. THE PROPOSED LAWN AREAS WILL BE GRADED WITH LIGHT-WEIGHT CONSTRUCTION EQUIPMENT.
- 12. NO TOPSOIL SHALL BE REMOVED FROM THE SITE OR USED AS SPOIL WITHOUT FIRST OBTAINING THE APPROPRIATE PERMITS AND APPROVALS FROM THE PROPERTY OWNER AND MUNICIPALITY.

24"W

3. BACKFILL SHALL BE COMPACTED IN A MAXIMUM OF EIGHT (8) INCH LIFTS TO 95% OF THE MAXIMUM IN-SITU DRY DENSITY OF THE MATERIAL BEING PLACED FOR AREAS BELOW STRUCTURES, ROADWAYS, SIDEWALKS. PIPING.

4. BACKFILL SHALL BE COMPACTED IN A MAXIMUM OF ONE (1) FOOT LIFTS TO 90% OF THE MAXIMUM IN-SITU DRY DENSITY OF THE MATERIAL BEING PLACED FOR ALL OTHER AREAS.

5. COMPACTION SHALL BE MONITORED BY CONTRACTOR'S GEOTECHNICAL ENGINEER. UTILIZING THE DENSITY CONTROL METHOD PER SECTION 203. 10 OF THE NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. A MINIMUM OF TWO (2) MEASUREMENTS SHALL BE TAKEN PER LIFT FOR EACH STRUCTURE/AREA BEING BACKFILLED. COMPACTION TESTING RESULTS SHALL BE SUBMITTED TO THE ARCHITECT/ ENGINEER FOR REVIEW PRIOR TO PERFORMING ABOVE GRADE ACTIVITIES ON THE AREAS RECEIVING BACKFILL.

- SYSTEMS.

BACKFILLING NOTES

1. BACKFILL SHALL CONSIST OF SUITABLE ON-SITE MATERIAL OR IMPORTED SELECT FILL MEETING THE FOLLOWING UCS CLASSIFICATION: GW, GP, GW-GM, GP-GM, SW, SP, SW-SM, SP-SM, OR NJDT SOIL AGGREGATE CLASSIFICATION: 1-13, 1-5.

2. BACKFILL SHALL BE FREE OF CLAY MATERIAL, STUMPS, TREE PARTS, TRASH, DEBRIS OR MATERIAL OVER 2" IN SIZE.

- A. CONTRACTOR SHALL CONTACT THE TOWNSHIP ENGINEER TO DISCUSS SAMPLING FREQUENCY AND ANALYTICAL PARAMETERS IF/ONCE A MATERIAL SOURCE HAS BEEN SELECTED. THE RESULTS OF THIS TESTING. IF NECESSARY, SHOULD BE PROVIDED TO THE TOWNSHIP AND TOWNSHIP ENGINEER FOR REVIEW PRIOR TO IMPORTING TO THE SITE.
- B. CONTRACTOR SHALL PROVIDE ARCHITECT/ENGINEER WITH SOIL TESTING RESULTS FOR BACKFILL MATERIAL INCLUDING. BUT NOT LIMITED TO. UCS CLASSIFICATION, OPTIMUM MOISTURE CONTENT, MAXIMUM DRY DENSITY AND SCREENING FOR PESTICIDES AND CONTAMINANTS IN ACCORDANCE WITH THE NJDEP PRIORITY POLLUTANT LIST.
- C. ONE SAMPLE SHALL BE TESTED FOR EACH 500 C.Y. OF BACKFILL MATERIAL TO BE UTILIZED AND THE RESULTS SUBMITTED TO THE ARCHITECT/ENGINEER PRIOR TO INITIATING BACKFILLING OPERATIONS.

UTILITY NOTES

1. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS AT NO COST TO THE DEPTFORD TOWNSHIP INCLUDING BUT NOT LIMITED TO ROAD OPENING PERMITS FROM THE TOWNSHIP AND COUNTY.

2. THE LOCATION AND DEPTHS OF EXISTING UTILITIES MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES OF PROPOSED EXCAVATIONS IN THE VICINITY OF SAID UTILITIES PRIOR TO CONSTRUCTION.

4. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE PROPER TRAFFIC CONTROL TO THE SATISFACTION OF LOCAL, COUNTY, AND STATE AUTHORITIES.

5. NO MATERIAL SHALL BE PLACED OR DISTURBED BEYOND THE PROPERTY LINE OR RIGHT-OF-WAY WITHOUT WRITTEN PERMISSION OF THE PROPERTY OWNER DIRECTLY INVOLVED.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING PAVING, PLANTING, ETC. IN KIND AND TOPSOILING, FERTILIZING AND SEEDING ALL AREAS DISTURBED BY HIS ACTIVITIES. ROAD PAVEMENT REPLACEMENT AND ALL RESTORATION IN DISTURBED AREAS SHALL MEET THE REQUIREMENTS OF THE TOWNSHIP OR TOWNSHIP ENGINEER.

7. WHENEVER THE TRENCH BOTTOM DOES NOT AFFORD SUFFICIENT BEARING STRENGTH TO SUSTAIN THE WEIGHT OF THE PIPE AND SUPERIMPOSED LOADS. THE TRENCH BOTTOM SHALL BE OVER EXCAVATED AND STABILIZED WITH SIX (6) INCH MINIMUM THICK LAYERS OF CRUSHED STONE, AS DIRECTED BY THE TOWNSHIP ENGINEER.

8. ALL TRENCHES WILL BE BACKFILLED BY COMPACTION IN SIX (6) INCH LAYERS IN STRICT ACCORDANCE WITH THE TRENCH DETAILS AND SPECIFICATIONS.

9. THE CONSTRUCTION SITE MUST BE SWEPT AND CLEANED DAILY WITH NO TRENCHES OPEN OVERNIGHT.

10. INSPECTION OF, OR FAILURE TO INSPECT ANY MATERIALS OR WORKMANSHIP BY THE ENGINEER, OR THE ENGINEER'S REPRESENTATIVE, OR THE TOWNSHIP SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND APPLICABLE LAWS.

11. THE CONTRACTOR SHALL SUPPLY THE AUTHORITY ENGINEER WITH COMPLETE AS-BUILTS OF ALL UTILITY INSTALLATIONS AND APPURTENANCES PRIOR TO THE AUTHORITY ENGINEER WITNESSING TESTING OF THE

12. COVER OVER ALL WATER SERVICES SHALL BE FOUR (4) FOOT MINIMUM.

13. ALL PROPOSED WATER MAINS SHALL HAVE THRUST BLOCKS AT ALL BENDS AND TEES.

14. WATER MAINS AND SANITARY SEWER MAINS SHALL BE SEPARATED BY TEN (10) FEET HORIZONTALLY WHEREVER POSSIBLE; OTHERWISE, THE SANITARY SEWER AND WATER PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SANITARY SEWER EIGHTEEN (18) INCHES MINIMUM BELOW THE BOTTOM OF THE WATER MAIN. THE SEWER SHALL BE EIGHTEEN (18) INCHES BELOW THE WATER MAIN AND/OR STORM PIPE AT ALL CROSSINGS. WHERE THE SANITARY SEWER CROSSES OVER OR WITHIN EIGHTEEN (18) INCHES UNDER A WATER MAIN AND/OR STORM PIPE, THE SANITARY SEWER SHALL BE DUCTILE IRON PIPE WITH SLIP-ON JOINTS FOR TEN (10) FEET ON EACH SIDE OF THE CROSSING.

15. LOCATIONS AND SLOPES OF THE MAINS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS.

16. LOCATIONS AND SLOPES OF THE LATERALS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS,

17. SANITARY SEWER LATERALS SHALL CONFORM TO STANDARD INSTALLATION REQUIREMENTS AND MAY NOT BE CONNECTED DIRECTLY INTO MANHOLES.

18. WATER AND SEWER SERVICES AND PLUMBING SHALL CONFORM TO THE REQUIREMENTS OF THE PLUMBING SUBCODE OF THE NEW JERSEY STATE UNIFORM CONSTRUCTION CODE.

19. PIPE DIMENSIONS ARE ROUNDED TO THE NEAREST FOOT BETWEEN THE OUTER EDGES OF STRUCTURES. MINOR FIELD ADJUSTMENT MAY BE NECESSARY.

20. ALL CONSTRUCTION, MATERIALS, TESTING. INSPECTION AND ACCEPTANCE OF WATER AND SEWER FACILITIES MUST BE COMPLETED IN ACCORDANCE WITH UTILITY PROVIDER STANDARDS, INVERT ELEVATIONS OF THE COMPLETED SANITARY SEWER SYSTEM SHALL BE SUBMITTED TO THE D.T.M.U.A. AND INVERT ELEVATIONS OF THE COMPLETED WATER MAIN SHALL BE SUBMITTED TO THE D.T.M.U.A PRIOR TO ANY LATERAL CONNECTIONS BEING MADE TO ENSURE THAT THE SYSTEMS WERE CONSTRUCTED ACCORDING TO THE APPROVED PLANS.

Availa	ible Models						Motor Ele	ectrical Data	l .			
Standard	Explosion Proof	HP	Volts	Phase	Hertz	Start Amps	Run Amps	Run KW	Start KVA	Run KVA	NEC Code Letter	Service Factor
WG20-01-15	WGX20-01-15	2	200	1	60	50.0	15.0	2.8	10.0	3.0	F	1.25
WG20-21-15	WGX20-21-15	2	230	1	60	44.0	12.0	2.8	10.1	2.8	F	1.25
WG20-03-15	WGX20-03-15	2	200	3	60	30.0	9.5	2.9	10.4	3.3	F	1.25
WG20-23-15	WGX20-23-15	2	230	3	60	27.5	8.4	2.9	11.0	3.3	F	1.25
WG20-43-15	WGX20-43-15	2	460	3	60	13.8	4.2	2.9	11.0	3.3	F	1.25

Seedbed Prep A. Apply limes	aration: tone and fer	tilizer accordi	ing to soil test	recommendations	such as those	offered by		Γ				PLA	NTI	NG I	DATE	S		4	
Rutgers Uni Cooperative	versity Soil 1 Extension S	resting Labora ervice office.	atory. Soil sam If soil testing	ple mailers are a is not feasible or	vailable from the small or variabl	local le sites, or						0=0 A=Ac	ptimal	Planting Plantin	g Period ng Perio	od .		ANCE	
pounds per fertilizer th	g is critical, 1,000 squar e rate of fe	fertilizer may e feet of 10- rtilizer is redu	y be applied at -20—20 or equiv used 50 percent	the rate of 500 alent. If seed is Apply limestone	pounds per acre drilled over bande (equivalent to 5	or 11 ed i0 percent	SEED MIXTURE ²	PLA	NTING ³ RATE		ANT HAP	a l	Zo:	ne 6b	(see	Zone	re 4-1 7a, 7b	IN TEN	RI ال
calcium plus	s magnesium	n oxides) as	follows:					lbs/ acre	lbs/1000 sq. ft.) 3/15– 5/31	· 6/1- 8 7/31 10	/1- 3)/31 4	5/1- 5 1/30 8	5/1- 8 <u>.</u> 3/14 1	/15– 2 1/15 4	2/1- 5 4/30 8	5/1- 8/1 3/14 11/	5- ¥ 30	
	Soil Te:	xture	TABLE 7-	-1 ons/Acre	Limeston Lbs./1,000 S	e Sq.Ft.	12. Tall fescue (turf-type) Redtop or Perennial ryegrass Birdsfoot trefoil or White clover	50 5 5 10 5	1.1 .10 .10 .25 10	0	A	0	0	A	0	0	A C		Birds Disbut to Z
Clay, cla Sandy le	y loam, and am, loam, s	high organic ilt loam	soil		135 90		14. Turf-type Tall fescue	150	3.5	0		0	0		0	0	AC		Use mana
Loamy s	and, sand	estone is pre	ferred for most	1	45 ne New Brunswick	-Trenton line.	15. Hard Fescue	120	2.7		$\left \right $	+	+	_	_		_	+	nutri
Work lime o	and fertilizer	into the soil	as nearly as pr	ractical to depth	of 4 inches with	a disc,	Perennial ryegrass Ky. bluegrass (blend)	<u>30</u> 40	0.7 0.9	0	A	0	0	A	0	0	A C		C lawn
springtooth be on the	harrow, or general cont	other suitable our. Continue	e equipment. Th tillage until a i	ne final harrowing reasonable uniforr	or discing opera n seedbed is pre	ition should pared.	16. Tall Fescue <u>Ky. bluegrass (blend)</u>	160 20	3.7 0.50	0	A	0	0	A	•	•	A	A	Athle B Kent
C. Inspect see must be re	dbed just be tilled as abc	efore seeding. ove.	lf traffic has	left the soil com	pacted, the area			20	0.50		$\left \right $		_					_	Blue
D. Soils high c Producing S	on sulfides o Soils, pg. 1—	r having a p l 1.	H of 4 or less r	efer to Standard	for Management	of High Acid	17. Hard fescue Creeping fescue Perennial ryegrass	120 30 10	2.7 0.7 .25	0	Α	0	0	A	0	0	A C	C-	D fine mix
Seeding: A. Select seed	from recom	nmendations i	in Table 7–2. (F	or application an	d mulchina see b	pelow)	18. Rough bluegrass Strong Creeping red	90	2.0	0		0	0	A	0	0	AC		
			TABLE 7-	2		,	fescue												
DRARY VEG	ETATIVE	STABILIZA	TION GRASS	SES, SEEDING	G RATES, DA	TES & DEPI	H 1. See Appendix B warm season gi	for a rass r	descript nixture	ions o [.] used i	f turf gr in Table	uss m 3 (se	ixture ed mi	s and x 1—7	cultiv shall (ars. Th be a	ne actu djusted	al ame to re	ount o lect t
EED SELECTION	S SEEDII	ounds)	OP Based	on Plant Hardine	DATE ² ss Zone ³	OPTIMUM SEED	amount of Pure required for coo	e Live ol sea	Seed (son gro	PLS) c isses (s detern (seed mi)	tures	by ge 8-20	rminat)).	tion te	sting	results.	s. No aajustmen	
	Per Acre	Per 1,000 Sq. Ft.	Zone 6B	Zone 7A	Zone 7B	(inches)	2. Seeding mixture Conservation Dis Cooperative Ext	es and strict, ensior	l/or rat Natura may b	es not I Reso De use	t listed o ources Co d if appr	ibove nserv oved	may ation by the	be use Service e Soil	ed if r e; reco Conse	ecomn ommer rvatior	nended Idations In Distric	by the of R t. Lec) local utgers umes
COOL SEASON (GRASSES	1.0	Z /4 E /4F	0/1E E /4	0/15 E /4		(flatpea, crowny planting.	etch,	trefoil,	lespec	deza) sha	ould b	e mix	ed wit	h the	prope	r innocu	lant p	rior to
	33 <u>7-100</u>	2.0	8/15-10/1	8/15-10/15	8/15-10/15		3. Seeding rates s establishment o	pecifi f peri	ed are manent	require vegeto	ed when ation. Up	a repo to 5	ort of 0% re	comp duction	liance n in re	is rec ates m	uested nay be	prior used v	to act vhen
pring oats	86	2.0	3/1-5/15 8/15-10/1	2/15-5/1 8/15-10/15	8 15-10/5		apply to all me coverage of the	thods seed	of see led area	ding. E a and	Establishi mowed c	ng pe nce.	rmane	int veç	getatio	n mec	ins 80%	vege	ative
inter barley (inter cereal ry	96 e 112	2.2	<u>8/15-10/1</u> 8/1-11/15	<u>8/15-10/15</u> <u>8/1-12/15</u>	8/11/15	1.0	4. Grass seed mix Trenton, New Je	ture o ersey,	checked will as	by th sure th	e State ne purche	Seed iser t	Analys hat th	st, Nev ne see	w Jers	ey Dep ture o	bartmen btained	t of A is the	gricult mixtı
ARM SEASON	GRASSES	<u> </u>	1	ı 1	<u> </u>	<u>+</u>	oraerea, Pursua 0 = optir	ni to nal pl	lanting	u. Stat period	A = a	Luw, N Ccepto	a.J.S.A able p	م. 4 :8- Ianting	-17.13 g perio	et.s	ન્ત		
earl millet	20	0.5	5/15-8/15	5/1-9/1		1.0	Maintenance Lev	vel:											
Jerman or ungarian)	50	0.7	3/13-8/13	3/1-3/1		1.0	A. Intensive m high mainte	owing enance	, (2—4 e lawns,	days), comn	fertilizat nercial a	ion, l' nd rea	ime, p creatio	oest co on are	ontrol as, pu	and ir blic fa	rigation Icilities).	(Exar	າples
leeping lovegra	ss 5	0.2	5/15-8/15	5/1-9/1	5/1-9/1	0.25	B. Frequent m home lawns	owing , corr	, (4—7 nmercial	days), sites,	occasio , school	nal fe sites)	rtilizat	ion, li	me an	d wee	d contr	ol (Ex	mple
	SEE SHE	EET 2 FO	R TEMPORA	ARY SEEDING	g rates		C. Periodic ma parks).	wing	(7–14	days),	occasior	al fer	tilizat	ion an	d lime	e (Exar	nples –	hom	; lawr
1. Seeding rate Pure Line S	e for warm s eed (PLS) as	season grass, s determined	selections 5—7 by a germinatio	shall be adjuste on test result. No	d to reflect the o adjustment is re	amount of equired for	D. Infrequent o	or no	mowing	, ferti	lization o	ind lir	ne the	e first	year	of est	ablishm	ent (E	xampl
cool season 2. May be plar 3. Plant Hardir	grasses. Ited through Itess Zone (s	out summer see fiqure 7—1	if soil moisture 1, pg. 7–4.)	is adequate or s	eeded area can b	be irrigated.	1. Seeding mixture	s and	l/or_rat	es not	t listed o	ibove	may	be use	ed if r	ecomn	nended	by_the	*_local
4. Twice the d Zone 6B –	epth for san Portion	idy soils is of Bergen,	Passaic, Morris,	Essex, Hudson,	Union, Somerset,	Middlesex,	Conservation Dis Service may be crownvetch, tre	strict, used foil, le	Soil Co if appr spedez	onserva oved l a) sho	ution Ser by the S uld be m	vice; bil Co iixed	recom nservo with p	mendo ition D iroper	ations)istrict inocul	of the . Leg ant pr	e Coope umes (ior to p	ative latpeo lantin	Extens , g.
Zone 7A –	Mercer Cumbe Portion	, Hunterdon, rland and Ca is of Camden	Monmouth, Ocec pe May Counties , Gloucester, Sa	ın, Burlington, Ca i lem, Cumberland,	mden, Gloucester Cape May, Atlan	, Atlantic Itic,	2. Grass seed mix Department of	ture o Agricu	checked Ilture, 1	by th renton	e chief d n, New Je	of the ersey,	Bure will a	au of ssure	Seed the pu	Certific urchas	cation, I er that	lew Jo the n	rsey nixture
Zone 7B –	Burling Warren Portion	ton, Ocean a Counties is of Cape Ma	nd Monmouth ca ay, Atlantic, Oce	ounties of Somers an and Monmout	set, Sussex, Unior h Counties	n and	obtained is the 3. Plant Hardiness	mixtı Zone	ure orde (see r	ered. nap. p	a. 4–15)								
B. For seed ap Mulching se	oplication se e below	e below					Zone 6B -	Port Merc	ions of er. Hur	Berge	n, Passa 1. Monmo	ic, Mc uth. (orris, E Ocean	Essex, Burlir	Hudso naton.	on, Uni Camd	ion, Son Ien, Gloi	nerset	, Middl r. Atla
			STANDARD	FOR			7one 74 -	Cum	iberland	and (Cape May	Cour	nties Sale	m Cui	mherlo	ind Co	nne Max	Atla	ntic
PEI Seedbed Prep	RMANENT	VEGETAT	IVE COVER	FOR SOIL ST	FABILIZATION		2010 74	Burli Warr	ington, en Cou	Ocean nties	and Mor	imout	h cou	nties	of Sc	merse	t, Suss	ex, Un	ion an
A. Apply limes Rutgers Uni	tone and fer	rtilizer accord Testing Labor	ing to soil test atory. Soil sam	recommendations ple mailers are d	such as those o vailable from the	offered by local	Zone 7B –	Port	ions of	Cape	May, Atl	antic,	Ocea	n and	Monm	outh (Counties		., .
Cooperative where timin pounds per	Extension S g is critical, 1,000 squar	Service office. fertilizer ma re feet of 10-	lf soil testing y be applied at -20-20 or equi	is not feasible o the rate of 500 valent. If seed is	n small or variab pounds per acre drilled over band	le sites, or or 11 led	It seeding dates are Cover for Soil Stabi Jersey), or Standard	e mise lizatio Is for	sed, use n p. 3. Stabili:	e temp 1.1. (in zation	orary sta Standai with Mul	ds fo ch On	tion a r Soil Iy pg.	s per Erosic 5-1.	Stand on and	ards f I Sedir	or Temp nent Co	orary ntrol	veget in New
fertilizer, th calcium plu	ie rate of fe s magnesiun	ertilizer is red n oxides) as	uced 50 percent follows:	t. Apply limestone	e (equivalent to 5	50 percent	Mulching:						,,,						
			TABLE 4-	-1			Mulching is required and will promote fa	on a ster a	ıll seedi and earl	ng. M ier est	lulch will tablishme	insur nt. (e agai (The e	inst er xisten	rosion ce of	before vegeto	e grass ation su	is est fficien	ablishe t to c
	Soil Te	xture	То	ons/Acre	Limeston Lbs./1,000 S	e Sq.Ft.	soil erosion shall be A. Mulch materials	e deer shou	ned cor Id be u	npliano nrotte	ce with t d small (his m grain	ulchin straw,	g requ hay f	iremei free of	nt.) f seed:	s, or sc	lt hay	to be
Clay, cla	iy loam, and	high organic	soil	-3	135		applied at the except that who except that who	rate c ere a	of 1-1/ crimper	2 to 2 r is us	2 tons pe sed inste	er acr ad of	e (70 a liqu the lo	to 90 uid mu) poun Ilchbin	ids pei der (to Auleb d	r 1,000 ackifying	squar or a	∍ feet) dhesive
Loamy s	am, Ioam, s and, sand	ilt Ioam		 1	90 90 4 5		not grind the	mater	rial.	on mu	ist be dt		the lo	werra	ite. K		cnopper-	-DIOW	rs mu
Pulverized o	dolomitic lim	estone is pre	ferred for most	soils south of th	e New Brunswick	-Trenton	B. Spread uniformi will be covered. 1,000 square fe	y by For et se	nana or uniforn ction a	n distr nd dist	ibution c tribute 7	so the f han D to S	at app d—spr 90 po	ead m unds v	atery nulch, within	/5% to divide each s	area in section.	t the to app	roxim
Ine. 3. Work lime c	and fertilizer	into the soil	as nearly as pr	ractical to a dept	th of 4 inches wi	th a disc,	C. Mulch anchoring or water. This	j shou may	uld be o be don	accomp e by c	olished in one of th	nmedi e follo	ately owing	after p metho	olacem ods, de	nent to ependir	o minim ng upon	ze los the s	is by size o
springtooth be on the prepared.	harrow, or general cont All but clay	other suitable our. Continu or silty soils	e equipment. Th e tillage until a and course san	ne final harrowing reasonable unifo ds should be roll	or discing opera rm, fine seedbed ed to firm the se	ition should is eedbed	area, steepness 1. Pea and Tw	of sl vine –	lopes, c · Drive	ind co: 8 to 1	sts. 10 inch v	vooder	n peas	s to w	vithin 2	2 to 3	inches	of th	e soil
wherever fe	asible. m the surfa	ce all stones	two inches or l	araer in an dime	nsion. Remove a	all of the	surface eve Secure mul square patt	ry 4 ch to ern.	feet in soil su Secure	all dir rface twine	ections. by stretc around	Stake hing each	es'ma twine pea w	iy be o betwee vith tw	driven en peç o or r	before in concern	e or aft a criss- cound tu	er app cross rns.	lying and c
debris, such material.	n as wire, co	able, tree roo	ts, pieces of co	ncrete, clods, lun	nps or other uns	uitable	2. Mulch Netti	ngs –	- Staple		r, jute, c	otton	, or p	lastic	nettin	gs to	the soi	surfc	ce.
D. Inspect see retilled and	dbed just be firmed as c	efore seeding. above.	lf traffic has	left the soil com	pacted, the area	must be	3. Crimper (m	ulch d	anchorir	ig tool) – A ti	actor	-draw	n impl	lement	t, som	ewhat	ke a	disc-l
Acid Soil Con	ditions:						especially d into the limited to c	esigne s areas	ed to p soil so (travers)	ush or as to able b	- cut sor anchor it y a tract	ne of and or, wl	the t leave hich n	part : nust o	ast Ior standir perate	ng fibe ng upr e on tl	er mulch ight. T ne cont	3 to his te bur of	4 inc chniqu slope
Soils having a p nches of soil h	oH of 4 or 1 aving a pH	ess, or conto of 5 or more	iining iron sulfide , before seedbe	e, shall be covere d preparation. T	ed with a minimu he added soil sha	m of 12 all be limed	Straw mulc D. Wood-fiber or p	h rate baper-	e must -fiber n	be 3 hulch (tons per at the ro	acre. Ite of	No 1,500	tackify) poun	ying or Ids pe	r adhe r acre	sive age may be	ent is e appl	requir ied by
as above.							hydroseeder. U fall.	se is	limited	to fla	itter slop	es an	d dur	ing op	timum	seedi	ng peri	ods in	sprin
Seeding: A. Select a mi Extension S	ixture from	Table 3.2-1 (or use mixture r	recommended by	the Cooperative			GUI	IDE F	OR (CONSTR	RUCI	TION	SPE	CIFI	CATI	ONS		
Conservation	n District.		antefre -1)				The following are ex specifications. Inco	ample rporat	es of re tion of	equiren such r	nents the requireme	it ma ints, v	y be i will he	used f Ip ass	or pre ure pr	paring otection	constru on of d	iction sturbe	d are
nydroseeder. T travel. Mulch s	he latter mo hellanot be	included in th	ble for large, ste ne tank with the	er, arop seeder, eep areas where e seed. Except fo	conventional vehic r drilled, hydrosed	cles cannot eded or	especially where crit The contractor shall	ical s I perf	soil eros orm all	ion pr work,	oblems r furnish (nay e all ma	xíst. Iterials	s, and	instal	l all m	neasures	requ	red to
ultipacked seed r dragging. D	dings, seed s epth of seed	shall be incor d placement i	porated into the may be ¼ inch	e soil, to a depth deeper on course	of ¼ to ½ inch, textured soil.	by raking	reasonably control s from the constructi control plan, showin	soil er on sit a the	osion, r e. The metho	esultin contr ds to	ng from actor sh be used	constr all ad for r	uction here f ontrol	i opera to the lina er	ations certif osion	and n ied so during	ninimize il erosic constr	loss n and uction	of sec sedin
 :			TABLE 4.	2		r	includes sequence of more than 60 days,	f con they	structio shall b	n oper	rations. tected by	When tem	no w	ork wi seedi	ll be p ng, m	berforn ulching	ned on g, or so	critico dding,	l arec or th
PER	MANENT	STABILIZA	ATION MIXT	URES FOR VA	ARIUUS USES	0	sope lengths shall	ne te	uuted D	y uie	ກາອເບເເດີໄ		arver	5015 (o oth	e me	una.		

	PLANTING MIXTURES BY SOIL DRAINAGE CLASS ¹ (see Table 4.3)							
Application	Excessively <u>Drained</u>	Moderately Well <u>Drained</u>	Somewhat Poorly to Poorly <u>Drained</u>					
Residential/ Commercial sites	12, 14, 17	12, 14, 15, 16, 17	18					
	<u> </u>							

1. Refer to Soil Survey for drainage class descriptions.

Excavated soil material shall not be placed adjacent to rivers, streams, or bodies of water, in a manner that will cause it to be washed away by high water or runoff. Excess borrow material removed from the construction site shall be stabilized at the point of placement. The contractor shall comply with applicable State and local regulations for prevention and abatement of pollution.

to critical areas.

other soil surface protection is removed.

'ING RATES AND PLANTING DATES

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ING	DAT	ES			4					
l Planti ble Plan	ng Peri Iting Pe	od riod	L L							
ZONES	S (see	e Fiqu	EN/	REMARKS						
one 6	b	Zon	ne 7a,	7b	LI LI					
5/1- 8/14	8/15- 11/15	2/1- 4/30	5/1- 8/14	8/15- 11/30	νM					
-A-	-0	-0	-A	-0	C-D	Birdsfoot trefoil is best adapted to Zone 5				
_A	0	0	_A_	0	с_ р	Use in a managed filter strip for nutrient uptake				
-A-	-0	-0-	A	-0	<u>∧-</u> C	General lawn/recreation				
-A-	-0-	-0-	A	-0-	∧_ B	Athletic field/mix 3 cultivars of Kentucky Bluegrass				
A	0	0	A	0	C-D	Low maintenance fine fescue lawn mix				
-A	0	0	A	0	C-D	Moist shade				

wn implement, somewhat like a disc-harrow, broadcast long fiber mulch 3 to 4 inches part standing upright. This technique is must operate on the contour of slopes. tackifying or adhesive agent is required.

snaıı ınstaıı erosion controls on all disturbed critical areas or disturbances adjacent

Critical areas are any areas subject to excessive erosion due to highly erodible soils, slope length, steepness, water concentration or other factors. Areas may become critical when the vegetation or SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. All applicable erosion and sediment control practices shall be in place prior to any grading operation and/or installation of proposed structures or utilities.
- 2. Soil erosion and sediment control practices on this plan shall be constructed in accordance with The Standards for Soil Erosion and Sediment
- <u>Control in New Jersey.</u> 3. Applicable erosion and sediment control practices shall be left in place until construction is completed and/or the area is stabilized. 4. The contractor shall perform all work, furnish all materials and install all measures required to reasonably control soil erosion resulting from
- construction operations and prevent excessive flow of sediment from the construction site.
- 5. Any disturbed area that is to be left exposed for more than thirty (30) days and not subject to construction traffic shall immediately receive a temporary seeding and fertilization in accordance with the <u>New Jersey Standards</u> and their rates should be included in the narrative. If the season prohibits temporary seeding, the disturbed areas will be mulched with salt hay or equivalent and anchored in accordance with the New Jersey Standards (i.e. peg and twine, mulch netting or liquid mulch binder).
- 6. It shall be the responsibility of the developer to provide confirmation of lime, fertilizer and seed application and rates of application at the request of the Gloucester soil conservation district.
- 7. All critical areas subject to erosion will receive a temporary seeding in combination with straw mulch at a rate of 2 tons per acre, according to the <u>New Jersey Standards</u> immediately following rough grading. 8. The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- 9. All sedimentation structures will be inspected and maintained on a regular basis and after every storm event. 10. A crushed stone, tire cleaning pad will be installed wherever a construction access exists. the stabilized pad will be installed according to the standard for stabilized construction access.
- 11. All driveways must be stabilized with 2 ½" crushed stone or subbase prior to individual lot construction.
- 12. Paved areas must be kept clean at all times. 13. All catch basin inlets will be protected according to the certified plan.
- 14. All storm drainage outlets will be stabilized, as required, before the discharge points become operational.
- 15. All dewatering operations must discharge directly into a sediment filter area. the sediment filter should be composed of a suitable sediment filter fabric. (see detail). The basin must be dewatered to normal pool within 10 days of the design storm. 16. NJSA 4: 24-39, et seq. requires that no certificate of occupancy be issued before all provisions of the certified soil erosion and sediment control
- plan have been complied with for permanent measures. all site work for the project must be completed prior to the district issuing a report of compliance as a prerequisite to the issuance of a certificate of occupancy by the municipality. 17. Mulching is required on all seeded areas to insure against erosion before grass is established to promote earlier vegetation cover.
- 18. Offsite sediment disturbance may require additional control measures to be determined by the erosion control inspector. 19. A copy of the certified soil erosion and sediment control plan must be maintained on the project site during construct: ion.
- 20. The Gloucester Soil Conservation District shall be notified 48 hours prior to any land disturbance.
- 21. Any conveyance of this project prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent
- owners. 22. Immediately after the completion of stripping and stockpiling of topsoil, the stockpile must be stabilized according to the standard for temporary vegetative cover. stabilize topsoil stockpile with straw mulch for protection if the season does not permit the application and establishment of temporary seeding. all soil stockpiles are not to be located within fifty (50) feet of a floodplain, slope, roadway or drainage facility and the base
- must be protected with a sediment barrier. 23. Any changes to the site plan will require the submission of a revised soil erosion and sediment control plan to the Gloucester Soil Conservation District. the revised plan must be in accordance with the current <u>New Jersey Standards for Soil Erosion and Sediment Control</u>.
- 24. Methods for the management of high acid producing soils shall be in accordance with the standards. High acid producing soils are those found to contain iron sulfides or have a pH of 4 or less. 25. Temporary and permanent seeding measures must be applied according to the New Jersey Standards, and mulched with salt hay or equivalent
- and anchored in accordance with the <u>New Jersey Standards</u> (i.e. peg and twine, mulch netting or liquid mulch binder). 26. Maximum side slopes of all exposed surfaces shall not be constructed steeper than 3:1 unless otherwise approved by the district.
- 27. Dust is to be controlled by an approved method according to the <u>New Jersey Standards</u> and may include watering with a solution of calcium chloride and water.
- 28. Adjoining properties shall be protected from excavation and filling operations on the proposed site. 29. Use staged construction methods to minimize exposed surfaces, where applicable.
- 30. All vegetative material shall be selected in accordance with American Standards for Nursery Stock of the American Association of the Nurseryman and in accordance with the <u>New Jersey Standards</u>.
- 31. Natural vegetation and species shall be retained where specified on the landscaping plan. 32. The soil erosion inspector may require additional soil erosion measures to be installed, as directed by the district inspector.

STANDARD FOR MAINTAINING VEGETATION

Methods and Materials: A preventative maintenance program anticipates requirements and accomplishes work when it can be done with least effort and expense to insure adequate vegetative cover.

Maintenance should occur on a regular basis, consistent with favorable plant growth, soil, and climactic conditions. This involves regular seasonal work for mowing, fertilizing, liming, watering, pruning, fire control, weed and pest control, reseeding, and timely repairs.

The degree of preventative maintenance depends upon the category of the vegetation and land; i.e., improved, semi-improved, and unimproved grounds.

- A. Mowing is a recurring practice and its intensity depends upon the function of the ground cover. On improved areas, such as lawns, certain recreation fields, and picnic areas, mowing will be frequent. On semi-improved areas, mowing will be infrequent. Unimproved areas may be left unmowed to permit natural succession.
- B. Fertilizer should be applied as needed to maintain a dense stand of desirable species. Frequently mowed areas and those on sandy soils will require more fertilization.
- Lime requirement should be determined by soil testing every two (2) or three (3) years. Fertilization increases the need for liming.
- D. Weed invasion may result from abusive mowing and inadequate fertilization and liming. Brush invasion is a common consequence of lack of mowing. The amount of weeds or brush that can be tolerated in any protective planting depends upon the land category and its intended use. Drainageways are subject to rapid infestation by weeds and
- woody plants. These should be controlled since they often reduce drainageways efficiency. Control of weeds or brush is accomplished by using herbicides or mechanical methods.
- E. Pest and disease controls are more necessary on improved areas than on unimproved areas. F. Fire hazard is greater where dry vegetation has accumulated. The taller the vegetation, the greater the hazard.

STANDARD FOR DUST CONTROL

Tillage — To roughen surface and bring clods to the surface. This is a temporary emergency measure, which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel type plows, spaced about 12 inches apart, and spring toothed harrows are examples of equipment, which may produce the desired effect.

Sprinkling - Site is sprinkled until the surface is wet.

Barriers — Solid board fences, snow fences, burlap fences, crate walls, bales of hay, and similar material can be used to control air currents and soil blowing.

Stones - Cover surface with crushed stone or coarse gravel.

MAINTENANCE OF STRUCTURAL MEASURES

Maintenance is the work required to keep practices in, or restore them to, their original physical and functional condition. Maintenance, as it applies to this section, is divided into two periods: that which is necessary to allow for continuing performance of erosion controls during the construction period and long term maintenance, following completion of construction, for the life of structural measures.

Maintenance During Construction Phase:

All structural measures for control of soil erosion and sedimentation must have timely maintenance if the measures are to endure and efficiently perform their design function. Particular attention should be given to temporary structures.

Maintenance Following Completion of Construction At the completion of construction and final stabilization, responsibility for lifetime maintenance of structural measures is usually transferred to a subsequent owner, such as the homeowner, municipality, homeowner association, etc. A comprehensive maintenance program should be prescribed for use of those who will accept such responsibility. All structures should be inspected at least semiannually, and following intensive rainfalls.

Maintenance items should include, but not be limited to, those shown for each of the following examples

CONSTRUCTION SEQUENCE

THE	FOLLOWING SEQUENCE OF CONSTRUCTION WILL BE FOLLOWED:	DURATION (DAYS)
1.	INSTALL CONSTRUCTION ENTRANCE, TREE PROTECTION, SILT FENCE AND MAINTAIN FOR PROJECT DURATION	1–5
2.	EXCAVATE SUITABLE SOILS AND STOCKPILE	1–10
3.	DEMOLITION PER DESIGN PLANS	1–10
4.	CONSTRUCT UTILITIES PER DESIGN PLANS	1–10
	(FASOLA PARK: CONSTRUCT PUMP STATION)	(+14)
5.	CONSTRUCT BATHROOM STRUCTURE	1–20
6.	PERFORM EARTHWORK FOR GRADING	1–10
7.	CONSTRUCT/INSTALL CONCRETE SIDEWALK PER DESIGN	1–10
8	FLAND INSTALL PERMANENT STARILIZATION MEASURES TO	1_5
0.	DISTURRED SOILS	1-5
9.	FINAL CLEANUP	1–10

