2.06	B. C. Geog	Backfill shall have a Plasticity Index (PI) < 15 and Liquid Limit (LL) < 40 per ASTM D 4318. The Contractor shall obtain independent laboratory test results to verify that the backfill meets the requirements of 2.06 A. and B. rid	3.03	Bloc A. B.	k Installation First course of units shall be placed on the leveling pad at the appropriate line and grade as shown on the construction drawings. Alignment and level shall be checked in all directions. Ensure that all units are in full contact with the leveling pad and property seated. Place the front of unit side-by-side. Do not leave gaps between adjacent units. Layout of corners and curves shall be in accordance with manufacturer's recommendations.		E. F.	Tracked c A minimu of tracked minimum geogrid Rubber tir Sudden br
	А.	The geogrid, as required by the Contractor's Designer in the construction plans and drawings, shall be manufactured specifically for soil reinforcement applications.		C.	Place drainage fills within and behind blocks. Place backfill behind drainage fill in lifts no greater than 6 to 12 inches and compact to a minimum of 95% of the maximum density per ASTM D-698. After placement of backfill, compact drainage fills by probing.		G.	At the end backfill av from wall does not e
2.07	Draiı	nage Pipe		D.	Do not stack more than two courses of block prior to placing and compacting drainage fill and backfill.	3.06	Drair	nage System
	А.	If required, drainage pipe shall be PVC pipe manufactured in accordance with ASTM D-3034 or corrugated HDPE pipe manufactured ion accordance with ASTM D-1248. Drainage pipe shall be perforated, slotted, or non-perforated as shown in the construction drawings.	3.04	Geo; A. B.	grid Installation Geogrid shall be oriented with the highest strength axis perpendicular to the wall alignment. Geogrid shall be placed at the type, lengths, and elevations shown on the construction drawings or as directed by the Contractor's Design Engineer.		A. B.	Drainage : based upo the Contac Within the drainage i
PAR 3.01	Г 3: Ехся	EXECUTION		C,	The geogrid shall be laid horizontally from within 2 inches of the face of the block back across compacted backfill. Place the next course of blocks over the geogrid. The geogrid shall be pulled taut and anchored prior to placing additional drainage fill or backfill.		C.	drains, or Within the is directed
	А.	The Contractor shall excavate to the lines and grades shown on the construction drawings. The Contractor and/or Owner's representative shall inspect the excavation and approve/disapprove its competency as a foundation soil prior to placement of the leveling pad or backfill.		D.	Geogrid shall be continuous throughout their embedment length. Geogrid shall be placed side-by-side or overlapped with 3 inch backfill between to provide 100% coverage at each designed geogrid level where possible. Geogrid shall not be spliced along its designed embedment length.	3.07	A.	Installation Caps shall
	B.	If remedial work is required to improve the foundation soil, the Owner shall compensate the Contractor as mutually agreed.	3.05	Back A.	cfill Placement Backfill shall be placed, spread, and compacted in such a manner that minimize the development of slack and installation damage in the geogrid.	3.08	As-Bi A.	uilt Constru Vertical A design gra
	C. D.	The foundation soil shall be compacted to minimum of 95% of the maximum density per ASTM D-698. If seepage or evidence of past seepage is observed in the excavation, the Contractor shall consult the Contractor Design Engineer in order to add or modify a drainage system to mitigate future seepage.		В. С.	Backfill shall be placed and compacted in lifts not to exceed 6 inches where hand compaction is used, or 8 to 12 inches (depending on soil type and soil processing) where heavy compaction equipment is used. Lift thickness shall be decreased to achieve the required compaction. Backfill shall be compacted to 95% of the maximum density per ASTM D-698. The moisture content of the backfill material, prior to and during compaction, shall be uniformly distributed throughout each layer		B. C. D.	Wall Bat Horizont shall with Maximur
3.02	Base	Leveling Pad			and shall be within 20% of the optimum moisture content as determined by ASTM D-698.			
	A. B.	Leveling pad materials shall be place to the lines and grades shown on the construction drawings, to a minimum thickness of 6 inches, extending laterally a minimum of 6 inch, both in front of and behind the block. Leveling pad materials shall be compacted to a minimum of 95% of the maximum density per ASTM D-698.		D.	Only lightweight hand-operated equipment shall be allowed within 4 feet from the face of the block.	3.09	Field A. B.	I Quality Con The Contr during con control by specification Quality co verification
-	UTILITI	Leveling pad shall be prepared to insure full contact to the base surface of the block.   WILLE PUBLIC DATE: 01-02-08   SS DEPARTMENT SEGMENTAL CONCRETE Page 4 of 6   IC STANDARDS BLOCK WALL SYSTEM 06468-400			NAPERVILLE PUBLIC SEGMENTAL CONCRETE Date: 01-02-06   FLECTRIC STANDARDS BLOCK WALL SYSTEM 60468-400	UTI	LITIES DE	is in gener (Quality A Only qual and inspec BEPUBLIC EPARTMENT STANDARDS



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				CONTR	RACT 60F	P42								
	FED.ROAD.DIST.NO. ILLINOIS FED. AID PROJEC													
construction equipment shall not be operated directly upon the geogrid. aum of 6 inches of backfill is required over the geogrid prior to operation d vehicles over the geogrid. Tracked vehicle turning should be kept to a n to prevent tracks from displacing the backfill and damaging the														
ired equipment may pass over geogrid at slow speeds, less than 10 mph. braking and sharp turning shall be avoided.														
nd of each day's operation, the Contractor shall slope the last lift of away from the blocks and drainage fill in order to direct runoff away Il face. The Contractor shall ensure surface runoff from adjacent areas enter the wall construction site.														
m Installation														
e systems, both internal to the wall and surficial, shall be determined son site conditions by the Contractor in consultation with the Owner and actors Design Engineer.														
he time of construction, the Contractor must ensure that all surficial e is directed away from the wall system by use of drainge swales, area or other competent measure.														
he lifetime of the wall, the Owner must ensure that all surficial drainage ed away from the wall system.														
n														
all be adhered to unde	rlying blocks and	caps with Supe	-Stikm.											
ruction Tolerances														
I Alignment: the top ograde.	Alignment: the top of wall shall be within 0.1 feet (1.2 inch) from													
atter: within 2 degrees	s of design batter,	excluding a neg	ative batter.											
ntal alignment: the bo thin 1 foot of design li		B.W.), at design	n B.W. grade,											
um horizontal gap: b	etween erected blo	ocks shall be ½	inch.											
ontrol														
ntractor shall engage inspection and testing services (quality control) construction to ensure project specification are met. The lack of quality by the Contractor does not relieve the Contractor from meeting project ations.														
control should include, but not be limited to: foundation soil inspection; ion of geotechnical design parameters; and verification that construction eral compliance with the design drawings and project specifications. Assurance is usually best performed by the site geotechnical engineer.)														
alified and experienced technicians and engineers shall perform testing ection services														
	NTAL CONCRET		DATE: 01-02- Page 6 of 6											
	NTAL CONCRET K WALL SYSTEM													
S BLOCH	K WALL SYSTEN	1	Page 6 of 6 60468-40	00	5									
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BLOCK	K WALL SYSTEN 59 RC ILS AND 111-12 4	( DAD IM standar	Page 6 of 6 60468-4( PROVE 2DS 223 N 7 # PROJECT											
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E ROUTE SCRIPTION DETA CC 5- BY DRAFTED BY PSM	K WALL SYSTEN	( )AD IM STANDAR 211,4212,4 at joint agreeden N/A	Page 6 of 6 60468-40 PROVE 223 SOLE 223 PROJECT E DWG 41 ic Utilities	.T.S. U-12		EQUEST /								