CAMERON RUN REGIONAL PARK ALEXANDRIA, VIRGINIA WAVE POOL & PLAY POOL REPAIRS

SITE MAP:



PROJECT DESCRIPTION

PROPERTY OWNER:	CAMERON RUN REGIONAL PARK C/O NOVA PARKS 5400 OX ROAD	CODE:	2018 VUSBC 2018 IBC 2018 IEBC	COVER PA CONCEPTU WAVE POO
	FAIRFAX STATION, VIRGINIA 22039	OCCUPANCY GROUP:	A-3	PLAY POO TYPICAL R
ADDRESS:	4001 EISENHOWER AVENUE ALEXANDRIA, VIRGINIA 22304	CONSTRUCTION TYPE:	VB	SPECIFICA
JURISDICTION:	CITY OF ALEXANDRIA	SEPARATED MIXED USED:	NO	
MAP-BLOCK-LOT:	070.01-01-03	SEISMIC DESIGN CATEGORY:	А	
ZONING:	POS	SITE CLASS:	D	

GENERAL REQUIREMENTS:

		SCOPE	
1.	IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL PROVIDED		
	INFORMATION, FIELD MEASUREMENTS, AND QUANTITIES BEFORE STARTING	1	C
	WORK AND/OR ORDERING MATERIALS.	1. 2	PF
2.	THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SAFETY, AND	2.	SA
	FOR THE STABILITY OF ALL NEW, TEMPORARY AND EXISTING STRUCTURES,	3.	RE
	WALLS, SLABS, ETC. DURING THE CONSTRUCTION PHASE. INSTALL	4.	PC
	TEMPORARY SHORING AS REOUIRED TO SUPPORT THE STRUCTURE WHILE	WAVI	E PO
	REPAIRING THE COMPONENTS AND PERFORMING THE WORK.	5.	RE
3	THE DRAWINGS MAY REFLECT INFORMATION PROVIDED BY OTHERS		M
0.	AND/OR EXISTING CONDITIONS THAT HAVE BEEN SURVEYED AND/OR	6.	RE
	DOCUMENTED TO THE GREATEST POSSIBLE EXTENT BUT NOT VERIFIED IT	_	PI
	SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FULLY COORDINATE THE	7.	RE
	WORK INCLUDING BUT NOT NECESSARILY LIMITED TO THE VERIFICATION	0	RE
	OF ALL EXISTING CONDITIONS SHOWN IN THE DRAWINGS COORDINATION	δ.	RE
	OF ALL BAISTING CONDITIONS SHOWN IN THE DRAWINGS, COORDINATION		a.
	THAT ADE MISDEDDESENTED IN THESE DOCUMENTS OD ANY CONDITIONS		h
	THAT ARE MISREPRESENTED IN THESE DOCUMENTS, OR ANT CONDITIONS		с.
	IHAI ARE NOT SHOWN BUT WARKANT THE ATTENTION OF THE ENGINEER,	9.	IN
1	SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.		IN
4.	PROTECT PEOPLE, MOTOR VEHICLES, EQUIPMENT, SURROUNDING		SU
	CONSTRUCTION, PROJECT SITE, LANDSCAPING, AND SURROUNDING	10.	RE
	BUILDINGS FROM INJURY/DAMAGE RESULTING FROM THE CONTRACTOR'S		HY
	WORK. REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF THIS WORK		AI
_	AT NO ADDITIONAL COST TO THE OWNER.	11.	
5.	ACQUISITION OF PERMITS IS THE SOLE RESPONSIBILITY OF THE	10	
	CONTRACTOR AND CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING	12.	
	INSPECTIONS, AND FOR MEETING ALL APPLICABLE CODES. REQUIRED	13.	RF
	PERMITS (AND/OR APPROVALS) INCLUDING, BUT NOT LIMITED TO, EROSION	101	SU
	AND SEDIMENT CONTROL, EXCAVATION AND SHORING, AND RESTORING	14.	AI
	PEDESTRIAN AND VEHICULAR RIGHT OF WAYS.		PL
6.	MEANS AND METHODS OF CONSTRUCTION AND TEMPORARY SHORING AND	PLA	AY F
	BRACING OF THE EXISTING STRUCTURE(S) ARE THE SOLE RESPONSIBILITY	15.	RE
	OF THE CONTRACTOR. THE ENGINEER MAY INCLUDE PHASING,	16.	RE
	SEQUENCING, SHORING REQUIREMENTS, ETC. IN THE CONSTRUCTION	17	RE
	DOCUMENTS TO ALERT, ASSIST, OR OTHERWISE DICTATE PROCEDURAL	17.	RE
	REQUIREMENTS THAT MAY BE NECESSARY TO PROPERLY IMPLEMENT THE		a.
	STRUCTURAL PORTION OF THE WORK OR THAT MAY BE REQUIRED TO		h
	INSURE BUILDING STABILITY; HOWEVER, THE CONTRACTOR SHALL	18.	C(
	PROPERLY COORDINATE THESE REQUIREMENTS AND SHALL REMAIN		CC
	COMPLETELY AND SOLELY RESPONSIBLE FOR ERECTING THE BUILDING	19.	RA
	STRUCTURE IN A SAFE AND TIMELY MANNER.	20.	RE
7.	UNLESS OTHERWISE INDICATED, IT HAS BEEN ASSUMED THAT THE	21.	PF
	EXISTING, SURROUNDING STRUCTURE(S) ARE IN SERVICEABLE CONDITION.		CC
	THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY AND	22.	PF
	ALL AREAS OF STRUCTURAL DISTRESS (INCLUDING, BUT NOT LIMITED TO.	23.	AI
	CRACKS, MOVEMENT, DISPLACEMENT, ETC.) NOT INDICATED IN THE	04	PA AT
	STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL NOT PROCEED WITH	24.	
	WORK IN SUCH AREAS WITHOUT DIRECTION FROM THE ENGINEER.		

ETC PROJECT M0-4162

CODE ANALYSIS

SCOPE OF WORK:

DORDINATE, IN ADVANCE, CLOSURE OF WORK AREAS WITH THE OWNER, WHERE PRACTICAL

ROVIDE AND INSTALL SCAFFOLDING, SHORING, TRAFFIC CONTROL DEVICES, PROTECTION, ETC. AB AFELY PERFORM THE INTENDED WORK, PREVENT DAMAGE TO EXISTING SURFACES AND MAINTAIN ESTORE SURFACES AND COMPONENTS DAMAGED BY THE CONTRACTOR AND REMOVE ALL DEBRIS

OWER WASH/CLEAN ALL AREAS IN THE WORK ZONE AND ADJACENT SURFACES TO REMOVE CONST.

EMOVE THE PLASTER, DIAMOND BRITE, AND PAINT-LIKE COATING THROUGHOUT THE ENTIRETY OF ATERIALS OFF SITE

EMOVE THE DELAMINATED CONCRETE (2-FOOT WIDE BAND) BENEATH THE GUTTER ASSEMBLY ALON INS AND REPLACE THE CONCRETE WITH SUITABLE REPAIR MATERIALS. INSTALL A NEW HORIZONTAL EMOVE DELAMINATED CONCRETE THROUGHOUT THE POOL WALLS AND FLOOR AND PERFORM NEED EPAIRS).

EMOVE THE EXISTING EXPANSION JOINTS IN THE WAVE POOL, INCLUDING ALONG THE VERTICAL WA

DEMOLISH THE CONCRETE ALONG THE HORIZONTAL PORTIONS AND RESTORE BEARING BENEA' FLOWABLE FILL TO FILL ANY EXISTING VOIDS. ONCE BEARING IS RESTORED, PROVIDE NEW SUP AT THE VERTICAL WALLS, REMOVE THE GUTTER ASSEMBLIES ON EACH SIDE OF THE JOINT AND

INSTALL NEW PRE-MANUFACTURED JOINT, SURFACE LEVEL SEALANT JOINT AND TILE ALONG TH NSTALL A NEW EXPANSION JOINT, FULL WIDTH OF THE POOL, ALONG THE INSIDE CORNERS OF THE W NSTALLATION OF NEW STONE SUBGRADE, PLACEMENT OF A NEW SLAB SECTION WITH STEEL REINFO URFACE LEVEL SEALANT JOINT, AND TILE.

EMOVE AND SALVAGE ALL GUTTER COVERS AND ATTACHMENT HARDWARE. CLEAN ALL DEBRIS FROM IYDROJET AND VIDEO INSPECT THE GUTTERS AT THE COMPLETION OF CLEANING TO ENSURE FREE F DJACENT UNITS. REINSTALL GUTTER COVERS AT COMPLETION OF WORK.

REPARE THE CONCRETE SURFACE ABOVE THE GUTTER ASSEMBLIES AND APPLY NEW CEMENTITIOU ND TERMINATIONS.

REPARE THE POOL SURFACES AND INSTALL NEW PLASTER ALONG THE NORTH END OF THE POOL (NO IN THE SOUTH END OF THE POOL (SOUTH OF THE EAST-WEST EXPANSION JOINT).

EMOVE THE EXISTING SLOTTED DRAIN ASSEMBLY ALONG THE WEST SIDE OF THE POOL AND DISPOS UBGRADE, AND INSTALL NEW LINEAR TRENCH DRAIN ASSEMBLIES. CONNECT NEW DRAIN LINES TO 1 LTERNATE #2: IN LIEU OF FULL PLASTER AND DIAMOND BRITE REPLACEMENT, PATCH DETERIORATED LASTER AND DIAMOND BRITE AT RESPECTIVE LOCATIONS.

POOL:

EMOVE THE PLASTER FINISH AND TILES THROUGHOUT THE ENTIRETY OF THE PLAY POOL TO EXPOSE EMOVE DELAMINATED CONCRETE THROUGHOUT THE POOL WALLS AND FLOOR AND PERFORM NEED EPAIRS).

REMOVE THE EXISTING EXPANSION JOINTS IN THE PLAY POOL, INCLUDING ALONG THE VERTICAL WALL

DEMOLISH THE CONCRETE ALONG THE HORIZONTAL PORTIONS AND RESTORE BEARING BENEA' FLOWABLE FILL TO FILLY ANY EXISTING VOIDS. ONCE BEARING IS RESTORED, PROVIDE NEW SU INSTALL NEW PRE-MANUFACTURED JOINT, SURFACE LEVEL SEALANT JOINT AND TILE ALONG TH

ORE THE SLAB SURFACE IN AN 8-FOOT BY 8-FOOT MATRIX AND INSTALL NEW FLOWABLE FILL BENEA ORE HOLES.

AKE OUT DETERIORATED MORTAR JOINTS ALONG THE COPING AND PROPERLY REPOINT.

EMOVE DETERIORATED BRICK COPING UNITS AND REPLACE WITH NEW.

REPARE THE CONCRETE WALL SURFACE AND INSTALL NEW WATER LINE TILE. NEW TILE INSTALLATIO OPING.

REPARE THE POOL SURFACES AND INSTALL NEW PLASTER.

LTERNATE #3: INSTALL A CEMENTITIOUS WATERPROOFING MEMBRANE BENEATH THE WATER LINE T AD).

LTERNATE #4: IN LIEU OF FULL PLASTER REPLACEMENT, PATCH DETERIORATED LOCATIONS AND CONCRETE REPAIR AREAS AND APPLY NEW LAYER OF PLASTER.

	LIST OF DRAWI	NGS:	NOTES:	
VUSBC IBC IEBC	COVER PAGE CONCEPTUAL SITE PI WAVE POOL PLAN VI PLAY POOL PLAN VIE TYPICAL REPAIR DET SPECIFICATIONS	C-0 LAN R-1 EW R-2 EW R-3 FAILS R-4 R-5		
VE, BELOW A ACILITY ACCI	AND ADJACENT TO THE WORK ESS AND OPERATION.	AREAS, AS REQUIRED IN ORDER TO		
ROM SITE. SUCTION DUS	T AND DEBRIS.			
THE WAVE PC	OOL TO EXPOSE THE CONCRET	TE SHELL. PROPERLY DISPOSE OF		
NG THE EAST SEALANT JO DED CONCRE	` AND WEST WALLS OF THE PO INT BETWEEN THE CONCRETE TE REPAIRS (I.E. PARTIAL DEP	OL. INSTALL SUPPLEMENTAL STEEL AND GUTTER ASSEMBLY. TH HORIZONTAL AND VERTICAL		
LLS. TH THE SLAE PLEMENTAL D INSTALL NE HE EXPANSIO VAVE POOL. H RCEMENT, G	B. THIS INCLUDES PLACEMENT STEEL PINS AND REPAIR THE W, INCLUDING A NEW EXPANS ON JOINTS. PRICE SHALL INCLUDE DEMOL UTTER MODIFICATIONS, PRE-I	OF NEW STONE AND/OR CONCRETE. SION JOINT SECTION. ITION OF THE CONCRETE, MANUFACTURED EXPANSION JOINT,		
M THE GUTTI FLOW. SOLDE	ER ASSEMBLIES AND DISPOSE CR ALL GUTTER JOINTS TO RES	OF MATERIALS OFF SITE. STORE CONNECTION BETWEEN		
S COATING M	ATERIAL. PRICE TO INCLUDE A	ALL NECESSARY CRACK DETAILING		
ORTH OF THE	EAST-WEST EXPANSION JOIN	T) AND DIAMOND BRITE COATING		
SE OF THE AS THE EXISTING D LOCATIONS	SSEMBLY OFF SITE. REMOVE C G STORM WATER SYSTEM. S AND CONCRETE REPAIR ARE.	CONCRETE, INSTALL NEW PREPARED AS AND APPLY NEW LAYER OF		
E THE CONCE	RETE SHELL. PROPERLY DISPO TE REPAIRS (I.E. PARTIAL DEP	OSE OF MATERIALS OFF SITE. TH HORIZONTAL AND VERTICAL		
LS. TH THE SLAE IPPLEMENTAL IE EXPANSIO ATH THE POO	3. THIS INCLUDES PLACEMENT L STEEL PINS AND REPAIR THE ON JOINTS. L TO RESTORE SLAB BEARING	OF NEW STONE AND/OR CONCRETE.		
ON SHALL INC	CLUDE A HORIZONTAL SEALAN	T JOINT BETWEEN THE TILE AND	NOVA PARKS 5400 ox road fairfax, virginia 22039	
ILE AT THE E	CAST END OF THE POOL (ALON	G THE TRANSITION TO THE SPLASH	CAMERON RUN REGIONAL PARK 4001 eisenhower avenue alexandria, virginia 22304	
REV DATE 1		Engineering and Technical Consultants, Inc. 7165 Columbia Gateway Drive, Suite B, Columbia Maryland 21046 t410.312.4761 f410.312.0482	COVER PAGE SCALE: AS NOTED PROJECT NO. M0-4162 APPROVED BY: CASSIE B. PARK, P.E.	DATE: 05/24/2021 DRAWING NUMBER
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Engineering and Technical Consultants, Inc. 7165 Columbia Gateway Drive, Suite B, Columbia Maryland 21046 t410.312.4761 f410.312.0482	SCALE: AS NOTED PROJECT NO. MO-4162 APPROVED BY: CASSIE B. PARK, P.E.	DATE: 05/24/2021 DRAWING NUMBER





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SPECIFICATIONS:

PART 1-

1.01 GENERAL REQUIREMENTS:

- PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND MISCELLANEOUS ITEMS TO COMPLETE THE REQUIRED
- 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL PROVIDED INFORMATION, FIELD MEASUREMENTS, AND QUANTITIES BEFORE STARTING WORK AND/OR ORDERING MATERIALS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SAFETY, AND FOR THE STABILITY OF ALL NEW, TEMPORARY AND EXISTING STRUCTURES, WALLS, SLABS, ETC. DURING THE CONSTRUCTION PHASE. INSTALL TEMPORARY FALL PROTECTION AT THE ROOF PERIMETER IN ACCORDANCE WITH OSHA GUIDELINES. INSTALL TEMPORARY SHORING AS REQUIRED TO SUPPORT THE STRUCTURE WHILE REPAIRING STRUCTURAL OR OTHER COMPONENTS AND WHILE PERFORMING THE WORK.
- VERIFY ALL OPENINGS WITH THE DRAWINGS. VERIFY ALL DEPRESSIONS, DIMENSIONS, AND SLOPES FROM DRAWINGS. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- PROTECT ALL WORK, OPENINGS, ETC., TO PREVENT WATER INTRUSION INTO THE BUILDING. ENSURE ALL AREAS ARE WATERTIGHT AT THE END OF EACH WORK DAY. CONTRACTOR IS RESPONSIBLE FOR ALL WATER RELATED DAMAGE AS A RESULT OF LACK OF WATERTIGHTNESS IN THE WORK AREAS.
- PROTECT PEOPLE, MOTOR VEHICLES, EQUIPMENT, SURROUNDING CONSTRUCTION, PROJECT SITE, LANDSCAPING, AND SURROUNDING BUILDINGS FROM INJURY/DAMAGE RESULTING FROM THE CONTRACTOR'S WORK. REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF THIS WORK AT NO ADDITIONAL COST TO THE OWNER.
- 1.02 EXISTING CONDITIONS
- THE DRAWINGS MAY REFLECT INFORMATION PROVIDED BY OTHERS AND/OR EXISTING CONDITIONS THAT HAVE BEEN SURVEYED AND/OR DOCUMENTED TO THE GREATEST POSSIBLE EXTENT BUT NOT VERIFIED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FULLY COORDINATE THE WORK, INCLUDING, BUT NOT NECESSARILY LIMITED TO, THE VERIFICATION OF ALL EXISTING CONDITIONS SHOWN IN THE DRAWINGS, COORDINATION OF ALL NECESSARY BUILDING TRADES, ETC. ANY AND ALL CONDITIONS THAT ARE MISREPRESENTED IN THESE DOCUMENTS, OR ANY CONDITIONS THAT ARE NOT SHOWN BUT WARRANT THE ATTENTION OF THE ENGINEER, SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- MEANS AND METHODS OF CONSTRUCTION AND TEMPORARY SHORING AND BRACING OF THE EXISTING STRUCTURE(S) ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER MAY INCLUDE PHASING, SEQUENCING, SHORING REQUIREMENTS, ETC. IN THE CONSTRUCTION DOCUMENTS TO ALERT ASSIST, OR OTHERWISE DICTATE PROCEDURAL REQUIREMENTS THAT MAY BE NECESSARY TO PROPERLY IMPLEMENT THE STRUCTURAL PORTION OF THE WORK OR THAT MAY BE REQUIRED TO ENSURE BUILDING STABILITY HOWEVER THE CONTRACTOR SHALL PROPERLY COORDINATE THESE REQUIREMENTS AND SHALL REMAIN COMPLETELY AND SOLELY RESPONSIBLE FOR ERECTING THE BUILDING STRUCTURE IN A SAFE AND TIMELY MANNER.
- UNLESS OTHERWISE INDICATED, IT HAS BEEN ASSUMED THAT THE EXISTING STRUCTURE(S) ARE IN SERVICEABLE CONDITION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY AND ALL AREAS OF STRUCTURAL DISTRESS. THE CONTRACTOR SHALL NOT PROCEED WITH WORK IN SUCH AREAS WITHOUT DIRECTION FROM THE ENGINEER.
- ALL DIMENSIONS AND EXISTING CONDITIONS INDICATED ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO STARTING WORK OR ORDERING OR SHOP FABRICATION OF ANY MATERIALS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 1.03 QUALITY CONTROL
- CONTRACTOR WILL BE REQUIRED TO KEEP KEY PERSONNEL ASSIGNED TO THE PROJECT THROUGH THE ENTIRE PHASE(S) OF WORK FOR WHICH THEY ARE RETAINED. THIS WILL AVOID THE CONTRACTOR HAVING TO BEAR THE ENGINEERING COSTS ASSOCIATED WITH RE-ORIENTING NEW FOREMEN TO THE SCOPE OF WORK. THE OWNERS RESERVE THE RIGHT TO DEMAND SUBSTITUTION OF MANAGEMENT PERSONNEL IF, IN THEIR OPINION, THEIR INTERESTS ARE NOT BEING SERVED.
- THE CONTRACTOR WILL IMMEDIATELY MAKE CORRECTIONS AND/OR REPLACEMENTS OF ALL DEFICIENT WORK NOTED BY THE ENGINEER. ANY REPAIRS THAT IN THE ENGINEER'S OPINION MAY ADVERSELY AFFECT LIFE EXPECTANCY OR PERFORMANCE OF THE REPAIRS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER AND AT NO EXTRA COST TO THE OWNER.
- IF REQUIRED, THE CONTRACTOR SHALL FURNISH SAMPLES OF THE COMPLETED WORK FOR ANALYSIS BY THE ENGINEER. THE CONTRACTOR SHALL TAKE SAMPLES WHERE AND WHEN DIRECTED BY THE ENGINEER. THE ENGINEER'S ANALYSIS OF SAMPLES SHALL BE THE OFFICIAL RECORD FOR THE PROJECT. ADDITIONAL TESTING (SUCH AS BY A MANUFACTURER) WILL NOT BE USED FOR DETERMINING COMPLIANCE WITH THE PROJECT SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL SAMPLE AREAS IN A MANNER REQUIRED SO AS TO MAINTAIN ALL WARRANTIES, GUARANTEES AND WORKMANSHIP STANDARDS
- FIELD MOCK-UPS: THE CONTRACTOR TO PREPARE MOCK-UPS OF TILE, MORTAR, BRICK COPINGS, AND SEALANT TO DEMONSTRATE AESTHETIC EFFECTS AND SET QUALITY STANDARDS FOR MATERIALS AND INSTALLATION PROCEDURES.
- 1.04 SUBMITTALS
- PRIOR TO DELIVERY OF MATERIALS, THE CONTRACTOR SHALL SUBMIT A DETAILED LIST (THREE COPIES) OF ALL MATERIALS TO BE USED (I.E. DATA SHEET AND CORRESPONDING SDS), ALONG WITH MANUFACTURER'S CERTIFICATION THAT ALL MATERIALS MEET OR EXCEED SPECIFIED REQUIREMENTS AND THAT ALL MATERIALS ARE COMPATIBLE FOR THEIR INTENDED USE.
- PRIOR TO STARTING WORK, THE CONTRACTOR SHALL SUBMIT THE FOLLOWING ITEMS FOR REVIEW BY THE OWNER AND APPROVAL BY THE ENGINEER.
- REQUESTED WORK AND MATERIAL STORAGE AREAS AS WELL AS DETAILED WORKING SEQUENCE/SCHEDULE. SCHEDULES SHALL BE UPDATED AND REISSUED PERIODICALLY AS SCHEDULE CHANGES OCCUR. ALL SCHEDULE CHANGES SHALL BE PRESENTED BY THE CONTRACTOR AT THE FIRST PROGRESS MEETING AFTER THE CHANGE. SCHEDULE SHALL INCLUDE BUILDING ACCESS INFORMATION
- b. COPIES OF ALL PROPOSED WRITTEN WARRANTIES INCLUDING CONTRACTOR'S LABOR AND WORKMANSHIP WARRANTY AND MANUFACTURERS' WARRANTIES.
- A DETAILED SCHEDULE OF VALUES PROPOSED FOR USE WITH APPLICATION AND CERTIFICATION FOR PAYMENT ANY APPLICABLE BUILDING/CONSTRUCTION PERMITS ISSUED FROM THE APPROPRIATE LOCAL d.
- JURISDICTION CERTIFICATE(S) OF INSURANCE EVIDENCING REQUIRED COVERAGE LIMITS, FOR THE CONTRACTOR е.
- AND ALL SUBCONTRACTORS ANY OTHER ITEM REQUESTED BY THE ENGINEER FOR CLARIFICATION AND/OR DOCUMENTATION PURPOSES. NOTE THAT SOME SHOP DRAWINGS MAY BE REQUIRED BECAUSE OF FIELD CONDITIONS
- ENCOUNTERED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT THESE DRAWINGS FOR REVIEW AND APPROVAL BY THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO IDENTIFY THE PROJECT MANAGER AND SUPERINTENDENT TO BE ASSIGNED TO THIS PROJECT. A RESUME OF THEIR PREVIOUS RESTORATION WORK SIMILAR
- IN NATURE TO THIS PROJECT SHOULD BE SUBMITTED PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL SUBMIT A LISTING OF NAMES AND NUMBERS TO BE CONTACTED IN CASE
- OF AN ON-SITE EMERGENCY AFTER NORMAL BUSINESS HOURS. THE CONTRACTOR SHALL BE PROPERLY LICENSED BY THE COMMONWEALTH OF VIRGINIA TO
- PERFORM ALL WORK SPECIFIED AND SHALL SUBMIT EVIDENCE TO THE OWNER FOR REVIEW. A LISTING OF ANY SUBCONTRACTOR(S) PROPOSED FOR USE ON THIS WORK, ARE SUBJECT TO THE OWNER'S APPROVAL.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF ALL SUBMITTALS (AS LISTED ABOVE) PRIOR TO STARTING WORK. UNAPPROVED MATERIALS OR OTHER ITEMS SHALL NOT BE USED.
- . THE CONTRACTOR SHALL SUBMIT A COPY OF ALL TIME AND MATERIAL TICKETS TO THE ENGINEER ON A WEEKLY BASIS WHEN ADDITIONAL SERVICES ARE PROVIDED. TICKETS SHALL ACCURATELY REFLECT THE DATE, SCOPE OF WORK AND LOCATION OF SUCH WORK, PERSONNEL PERFORMING THE WORK, HOURS WORKED, MATERIALS USED AND TOTAL COSTS OF THE TIME AND MATERIAL WORK.
- PRIOR TO FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT THE FOLLOWING ITEMS, WHICH SHALL BE IN A WRITTEN FORM ACCEPTABLE TO THE OWNER:
- a. APPLICABLE RELEASE OF LIENS (COVERING THE OWNER AND ENGINEER); b. THE CONTRACTOR'S FIVE (5) YEAR MATERIALS AND WORKMANSHIP GUARANTEE TO ENCOMPASS ALL
- WORK PERFORMED; MANUFACTURERS' STANDARD MATERIAL WARRANTIES (FOR ALL MAJOR PRODUCTS) ALONG WITH A с.
- CERTIFIED LETTER FROM THE MANUFACTURERS STATING THAT REQUIREMENTS OF THE WARRANTY HAVE BEEN MET
- RECORD DOCUMENTS: PROJECT RECORD DOCUMENTS FOR INSTALLED MATERIALS. INITIALED COMPLETED PUNCH LIST BY THE CONTRACTOR FOR EACH ITEM COMPLETED; AND
- ALL OWNER OPERATION AND MAINTENANCE MANUALS FOR PRODUCTS/MATERIALS THAT MAY REQUIRE OPERATION. 1.04 WARRANTY
- UPON COMPLETION OF THE REPAIR WORK, THE CONTRACTOR SHALL OBTAIN AND SUBMIT THE FOLLOWING WARRANTIES ACCEPTABLE TO THE OWNER.
- CONTRACTOR'S FIVE (5) YEAR WORKMANSHIP AND MATERIAL WARRANTY TO ENCOMPASS ALL
- REPAIR WORK PERFORMED. b. MINIMUM FIVE (5) YEAR MANUFACTURER WARRANTY FOR THE JOINT SEALANTS.
- c. MINIMUM FIVE (5) YEAR JOINT AND SEVERAL WARRANTY FOR THE BREATHABLE COATING.
- 1.05 PAYMENT PROCEDURES
- ALL MONTHLY APPLICATIONS FOR PAYMENT SHALL BE SUBMITTED ON AIA G702 AND G703 (CONTINUATION SHEET). CONTRACTOR TO SUBMIT THREE (3) SIGNED AND NOTARIZED ORIGINAL COPIES OF EACH APPLICATION FOR PAYMENT TO THE ENGINEER FOR PROCESSING.
- CORRELATE LINE ITEMS IN THE SCHEDULE OF VALUES WITH OTHER REQUIRED ADMINISTRATIVE FORMS AND SCHEDULES. SUBMIT THE SCHEDULE OF VALUES TO THE ENGINEER AT THE EARLIEST POSSIBLE DATE BUT NOT LATER THAN SEVEN DAYS BEFORE THE DATE SCHEDULED FOR SUBMITTALS OF INITIAL APPLICATION FOR PAYMENT.
- ALL MONTHLY APPLICATIONS FOR PAYMENT SHALL BE ONLY FOR COMPLETED (IN-PLACE) WORK, NOT STORED MATERIALS, LESS TEN (10) PERCENT RETAINAGE AND WILL BE REQUIRED TO INCLUDE A PARTIAL LIEN RELEASE WITH THE APPLICATION FOR PAYMENT.

PART 2-

- 2.01 CONCRETE
- 1. ALL CONCRETE CONSTRUCTION INCLUDING DETAILING, FABRICATION, PLACEMENT MIXING, HANDLING, PLACING, FINISHING, AND CURING SHALL CONFORM TO ACI FOR BUILDINGS" (ACI 301), ACI "MANUAL OF STANDARD PRACTICE FOR DETAIL CONCRETE STRUCTURES" (ACI-315), AND "ACI BUILDING CODE REQUIREMENTS CONCRETE" (ACI-318).

2.08 POOL FINISHES

- 2. ALL CONCRETE SHALL CONFORM TO ASTM C94. MINIMUM COMPRESSIVE STRE WATER/CEMENT RATIO SHALL BE AS FOLLOWS: a. SLAB ON GRADE: 4000 PSI (0.40)
- 3. MAXIMUM AGGREGATE SIZE FOR REGULAR CONCRETE SHALL BE 3/4" AND PEA SHALL BE 3/8". AGGREGATE FOR REGULAR WEIGHT CONCRETE SHALL CONFO LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330.
- 4. ALL CONCRETE EXPOSED TO THE WEATHER SHALL BE AIR ENTRAINED WITH 6% OTHER CONCRETE SHALL BE AIR ENTRAINED WITH 4% +/- AIR. SLUMP SHAL
- 5. ANTI-CORROSION COATING: ECB BY CONPROCO CORPORATION
- 6. PATCHING MATERIALS
- a. VERTICAL, PARTIAL DEPTH REPAIRS: US THIN PATCH V/O BY US CONCRE HORIZONTAL REPAIRS: DECK MIX AF BY US CONCRETE PRODUCTS c. DEEP VERTICAL REPAIRS: DECK MIX FP-PM BY US CONCRETE PRODUCTS
- 7. STEEL REINFORCEMENT
- STEEL WELDED WIRE FABRIC: ASTM A185, FABRICATED FROM AS-DRAWN SHEETS, EPOXY COATED
- b. REINFORCING BARS: ASTM A615, GRADE 60, DEFORMED
- STONE SUBGRADE: WASHED, NARROWLY GRADED MIXTURE OF CRUSHED STONE 8. UNCRUSHED GRAVEL, ASTM D 448; COARSE-AGGREGATE GRADING SIZE 57 WIT A 1 INCH SIEVE AND 0 TO 5 PERCENT PASSING A NO. 2 SIEVE.
- 9. FLOWABLE FILL:
- a. COMPRESSIVE STRENGTH (28 DAYS): 300 PSI
- b. MINIMUM CEMENT CONTENT: 50 LF/CY c. SLUMP: 6-8 INCHES, ASTM D6103
- d. AIR-ENTRAINMENT: 5 PERCENT, PLUS OR MINUS 1 PERCENT e. CONSISTENCY: SLURRY SHALL BE CAPABLE OF EASILY FLOWING INTO SLA
- 10. OWNER SHALL RETAIN THE SERVICES OF A QUALIFIED TESTING AGENCY TO PRI CONCRETE TO INCLUDE COMPRESSIVE STRENGTH, TEMPERATURE, SLUMP AND
- 11. CONTRACTOR SHALL PROVIDE CONCRETE MIX DESIGN DATA FOR EACH TYPE A CONCRETE SHOWN IN THE STRUCTURAL DRAWINGS. THE MIX DESIGN DATA SI CONCRETE STRENGTH, SLUMP, AIR ENTRAINMENT, PROPOSED AGGREGATES, ADM ABORATORY TEST DATA

2.02 DRAINAGE MATERIALS

- 1. SOLID, PVC (SCHEDULE 40) PIPE AND FITTINGS: ASTM D 2729, BELL-AND-SI ADHERED (GLUED) JOINTS. SIZE: 4-INCH DIAMETER. FITTINGS: PVC WITH NPS
- TRENCH DRAIN: Z886-U4-HPP, 6¹/₄" WIDE REVEAL TRENCH DRAIN SYSTEM WITH OUTLET, HEEL-PROOF POLYETHYLENE GRATE

2.03 MASONRY MATERIALS

- 1. COPING BRICK: BULLNOSE, SIZE AND COLOR TO MATCH EXISTING
- REPOINTING MORTAR: ASTM C270 AND ASTM C1329, PREHYDRATED TYPE N. BY OWNER BASED ON CONTRACTOR MOCK-UPS.

2.04 SHEET METAL

- MILL FINISH STAINLESS STEEL: CONFORM TO FEDERAL SPECIFICATION QQ-S-FULLY ANNEALED, OR ASTM A167, TYPE 302/304 WITH MILL ROLLED 2D FINIS
- 2. SOLDER: FEDERAL SPECIFICATION QQ-S-571 OR ASTM B32. USE 50/50 FOR UNLESS OTHERWISE REQUIRED AND USE SOLDERING FLUX, CONFORMING TO FE O-F-506 BEST SUITED FOR SPECIFIC METAL.

2.05 EXPANSION JOINTS

- 1. PRODUCT: PROVIDE SUBMERSEAL AS MANUFACTURED BY EMSEAL JOINT SYST
- 2. JOINT WIDTH SHALL BE COORDINATED BETWEEN CONTRACTOR, MANUFACTUREF CONSIDERATION OF EXPECTED MOVEMENT AS A PRODUCT OF STRUCTURAL DI TEMPERATURE VARIATIONS, TAKING INTO ACCOUNT AS-BUILT JOINT-GAP SIZE AT EXPECTED INSTALLATION TIME. MINIMUM JOINT WIDTH SHALL BE $1\frac{1}{2}$ INCHES
- DIRECTIONAL CHANGES AND TERMINATIONS SHALL BE PROVIDED BY FACTORY-UNIVERSAL 90-DEGREE SINGLE UNITS CONTAINING MINIMUM 12-INCH LONG L CUSTOM LEG ON EACH SIDE OF THE DIRECTION CHANGE OR THROUGH FIELD ACCORDANCE WITH INSTALLATION INSTRUCTIONS.

2.06 JOINT SEALANTS

- ELASTOMERIC SEALANTS: COMPLY WITH ASTM C920 AND OTHER REQUIREMENT LIQUID-APPLIED, CHEMICALLY CURING SEALANT SPECIFIED, INCLUDING THOSE CLASSIFICATIONS FOR TYPE, GRADE, CLASS, AND USES RELATED TO EXPOSUR SUBSTRATES.
- 2. POLYURETHANE SEALANT:
- a. PRODUCTS: SIKAFLEX-2C NS EZ MIX OR ENGINEER'S APPROVED EQUIVA
- b. TYPE AND GRADE: 2-COMPONENT AND NS (NON-SAG)
- c. CLASS: 25
- d. USE: NT e. COLOR: TO BE SELECTED BY OWNER
- 3. JOINT SEALANT BACKING:
- a. PROVIDE SEALANT BACKINGS OF MATERIAL AND TYPE THAT ARE NON-S COMPATIBLE WITH JOINT SUBSTRATES, SEALANTS, PRIMERS, AND OTHER APPROVED FOR APPLICATIONS INDICATED BY SEALANT MANUFACTURER EXPERIENCE AND LABORATORY TESTING
- b. BACKER ROD SHALL COMPLY WITH ASTM C1330, TYPE C (CLOSED-CELL SURFACE SKIN) OR ANY TYPES, AS APPROVED IN WRITING BY JOINT-SEA FOR JOINT APPLICATION INDICATED, AND OF SIZE AND DENSITY TO CONT AND OTHERWISE CONTRIBUTE TO PRODUCING OPTIMUM SEALANT PERFORM

4. MISCELLANEOUS:

- a. PRIMER: MATERIAL RECOMMENDED BY JOINT-SEALANT MANUFACTURER ADHESION OF SEALANT TO JOINT SUBSTRATES, AS DETERMINED FROM P
- JOINT-SEALANT-SUBSTRANTE TESTS AND FIELD TESTS. b. CLEANERS FOR NONPOROUS SURFACES: CHEMICAL CLEANERS ACCEPTAB
- OF SEALANT AND SEALANT BACKING MATERIALS, FREE OF OILY RESIDUES SUBSTANCES CAPABLE OF STAINING OR HARMING JOINT SUBSTRATES AN SURFACES IN ANY WAY, AND FORMULATED TO PROMOTE OPTIMUM ADHES JOINT SUBSTRATES.

2.07 CEMENTITIOUS WATERPROOFING

- 1. PRIMER: MIRAPRIME AQUA-BLOK XL BY MIRACOTE
- 2. WATERPROOFING: MIRAFLEX MEMBRANE C BY MIRACOTE
- 3. PROTECTION COAT: MIRACOTE BC PRO BY MIRACOTE

- 4. CRACK TREATMENT:
- a. MIRACOTE POLY FABRIC ALKALINE RESISTANT POLYPROPYLENE WOVEN EMBEDMENT INTO MIRAFLEX MEMBRANE C, 10 INCHES WIDE.

CONCRETE	1. PLASTER	c. PITCH PIPES IN THE DIRECTION OF FLOW MINIMUM COVER OF 36 INCHES, UNLESS
ALL CONCRETE CONSTRUCTION INCLUDING DETAILING, FABRICATION, PLACEMENT OF REINFORCING, MIXING, HANDLING, PLACING, FINISHING, AND CURING SHALL CONFORM TO ACI "STRUCTURAL CONCRETE	a. MARCITE PLASTER CONTAINING WHITE PORTLAND CEMENT TYPE I (MEETING ASTM C150) AND	2. TRENCH DRAIN INSTALLATION
FOR BUILDINGS" (ACI 301), ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI-315), AND "ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI-318)	CRUSHED AND GRADED MARBLE SAND. b. QUARTZ-CEMENT PLASTER: "PEBBLE-FINA" QUARTZ-CEMENT PLASTER BY PEBBLE TECHNOLOGY, INC : "LUNA QUARTZ" QUARTZ-CEMENT PLASTER BY WET FOCE TECHNOLOGIES: "KRYSTAL KRETE"	a. DEMOLISH CONCRETE AND EXCAVATE TREI NECESSARY DEPTHS AND WIDTHS FOR TH
ALL CONCRETE (ACI-318). ALL CONCRETE SHALL CONFORM TO ASTM C94. MINIMUM COMPRESSIVE STRENGTH AND MAXIMUM WATER/CEMENT RATIO SHALL BE AS FOLLOWS:	UUARTZ-CEMENT PLASTER BY C.L. INDUSTRIES, INC.; OR ENGINEERED APPROVED EQUAL. C. COLOR: ALL SWIMMING POOL PLASTER SHALL BE WHITE IN COLOR. d. WATER: POTABLE.	 b. PLACE TRENCH DRAIN AT PROPER LOCATI BENEATH AND ON BOTH SIDES OF TRENC c. INSTALL GRATES IN ACCORDANCE WITH M.
a. SLAB ON GRADE: 4000 PSI (0.40)	2. EXPOSED AGGREGATE POOL FINISH (DIAMOND BRITE)	3 05 MASONRY REPAIRS
MAXIMUM AGGREGATE SIZE FOR REGULAR CONCRETE SHALL BE 3/4 AND PEA-GRAVEL CONCRETE SHALL BE 3/8". AGGREGATE FOR REGULAR WEIGHT CONCRETE SHALL CONFORM TO ASTM C33 AND LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330.	a. PROVIDE SGM DIAMOND BRITE POOL COATING, CONSISTING OF 100 PERCENT QUARTZ AGGREGATE	1. BRICK REPLACEMENT
ALL CONCRETE EXPOSED TO THE WEATHER SHALL BE AIR ENTRAINED WITH $6\% +/- 1\%$ AIR. ALL OTHER CONCRETE SHALL BE AIR ENTRAINED WITH $4\% +/-$ AIR. SLUMP SHALL BE $4" +/- 1"$.	b. BOND COAT: SGM BOND KOTE c. WATER: POTABLE	a. REMOVE SECTIONS OF BRICK MASONRY IN CAREFULLY DEMOLISH OR REMOVE ENTIRE
ANTI-CORROSION COATING: ECB BY CONPROCO CORPORATION	2.09 TILE	b. INSTALL BRICKS INTO BONDING AND COU REQUIRED. USE A MOTOR-DRIVEN SAW T
 a. VERTICAL, PARTIAL DEPTH REPAIRS: US THIN PATCH V/O BY US CONCRETE PRODUCTS b. HORIZONTAL REPAIRS: DECK MIX AE BY US CONCRETE PRODUCTS c. DEEP VERTICAL REPAIRS: DECK MIX FP-PM BY US CONCRETE PRODUCTS 	 WATERLINE TILE: SHALL BE UNGLAZED, CERAMIC MOSAIC TILE WITH ABSORPTION RATE OF LESS THAN 1% AS MANUFACTURED BY DAL-TILE. SIZE TO MATCH EXISTING. TILES SHALL MEET REQUIREMENTS OF ANSI A137.1. COLOR/PATTERN TO BE SELECTED BY OWNER. 	c. LAY BRICK WITH COMPLETELY FILLED BED SUFFICIENT MORTAR TO FILL HEAD JOINTS SURROUNDING BRICKS THAT HAVE ASTM THAN 30 G/30 SQ. IN. PER MIN. MAINTA
STEEL REINFORCEMENT a. STEEL WELDED WIRE FABRIC: ASTM A185, FABRICATED FROM AS-DRAWN STEEL WIRE INTO FLAT SHEETS FROXY COATED	2. TRIM TILE (FOR EXPANSION JOINTS): GROUP 3 QUALITY, FROST-PROOF, UNGLAZED, CERAMIC MOSAIC TILE WITH ABSORPTION RATE OF LESS THAN 1% AS MANUFACTURED BY DAL-TILE. SIZE TO MATCH EXISTING. COLOR TO BE SELECTED BY OWNER.	EXPOSED MORTAR JOINTS TO MATCH JOIN 2. MORTAR JOINT REPOINTING
 BEINFORCING BARS: ASTM A615, GRADE 60, DEFORMED STONE SUBGRADE: WASHED, NARROWLY GRADED MIXTURE OF CRUSHED STONE, OR CRUSHED OR UNCRUSHED GRAVEL, ASTM D 448; COARSE-AGGREGATE GRADING SIZE 57 WITH 100 PERCENT PASSING 	 MORTAR: ALL MORTAR SHALL BE PROPORTIONED IN COMPLIANCE WITH ANSI A118.4. UTILIZE CEMENT: ASTM C150 TYPE I PORTLAND CEMENT, SAND: ASTM C144, LIME: ASTM C206 OR C207 TYPE S, AND POTABLE WATER. 	a. REMOVE MORTAR FROM JOINTS TO A DEF EXPOSE SOUND, UNWEATHERED MORTAR. RAKED-OUT JOINTS TO PROVIDE REVEALS CONTACT WITH POINTING MORTAR. CUT O
A 1 INCH SIEVE AND 0 TO 5 PERCENT PASSING A NO. 2 SIEVE. FLOWABLE FILL:	4. GROUT: ALL TILE GROUT SHALL BE WATERPROOF GROUT COMPLYING WITH THE RECOMMENDATIONS OF ANSI A118.6. GROUT COLOR SHALL BE WHITE.	 B. RINSE MASONRY-JOINT SURFACES WITH W C. APPLY POINTING MORTAR IN LAYERS NOT THOROUGHLY AND ALLOW IT TO BECOME
a. COMPRESSIVE STRENGTH (28 DAYS): 300 PSI	PART 3-	MORTAR IS THUMBPRINT HARD, TOOL JOIN d. CURE MORTAR BY MAINTAINING IN THORO
b. MINIMUM CEMENT CONTENT: 50 LF/CYc. SLUMP: 6–8 INCHES, ASTM D6103	3.01 INSPECTION AND PREPARATION	3 06 EXPANSION JOINT INSTALLATION
d. AIR-ENTRAINMENT: 5 PERCENT, PLUS OR MINUS 1 PERCENT e. CONSISTENCY: SLURRY SHALL BE CAPABLE OF EASILY FLOWING INTO SLAB OPENINGS/VOIDS.	1. PRIOR TO STARTING WORK, CONTRACTOR TO SURVEY WORK AREA AND DOCUMENT ALL EXISTING DAMAGE NOT INCLUDED IN THE WORK SCOPE. DAMAGED ITEMS/ELEMENTS MAY INCLUDE CRACKED OR	1. CLEAN THE JOINT OPENING OF ALL CONTAMIN/
OWNER SHALL RETAIN THE SERVICES OF A QUALIFIED TESTING AGENCY TO PROVIDE TESTING OF CONCRETE TO INCLUDE COMPRESSIVE STRENGTH, TEMPERATURE, SLUMP AND AIR ENTRAINMENT.	SPALLED CONCRETE SIDEWALKS, DAMAGED RAILS, BROKEN TILES, ETC. ALL DAMAGED SURFACES OR ELEMENTS SHALL BE NOTED IN WRITING PRIOR TO STARTING WORK. PROVIDE WRITTEN COST QUOTATIONS FOR ANY NEEDED REPAIR, REPLACEMENT, MAINTENANCE, ETC. OUTSIDE OF THE SCOPE OF THIS CONTRACT. ONCE WORK BEGINS, ANY/ALL DAMAGE REPORTED WILL BECOME THE CONTRACTOR'S	JOINT SYSTEM. ENSURE SURFACES ARE DRY. I RAGS TO REMOVE ALL CONCRETE DUST AND C
CONTRACTOR SHALL PROVIDE CONCRETE MIX DESIGN DATA FOR EACH TYPE AND STRENGTH OF CONCRETE SHOWN IN THE STRUCTURAL DRAWINGS. THE MIX DESIGN DATA SHOULD INCLUDE:	RESPONSIBILITY TO REPAIR (AT THEIR EXPENSE).	RUN MATERIAL TO IN-PLACE TERMINATIONS/TR
LABORATORY TEST DATA	a. OBTAIN OWNER'S PERMISSION FOR USING GROUND LEVEL PARKING AREAS.	3. USING TAPE, TAPE OFF DECK ON BOTH SIDES INSTRUCTIONS. USE A TROWEL TO APPLY THE
<u>2 DRAINAGE_MATERIALS</u> SOLID, PVC (SCHEDULE 40) PIPE AND FITTINGS: ASTM D 2729, BELL–AND–SPIGOT ENDS, WITH FULLY	 b. ONLY THOSE AREAS APPROVED IN ADVANCE BY THE OWNER MAY BE CLOSED OFF FOR WORK. c. PROTECT SURROUNDING SURFACES AND BUILDINGS AGAINST DAMAGE. 	4. WIPE THE RELEASE AGENT OFF OF THE COMPI PLACE SUCH THAT THE TOP OF THE BELLOW(:
ADHERED (GLUED) JOINTS. SIZE: 4-INCH DIAMETER. FITTINGS: PVC WITH NPS 4 OUTLET. COUPLINGS: PVC.	3. EXAMINE ALL SURFACES. VERIFY SURFACES ARE SMOOTH, FREE OF DEPRESSIONS, WAVES OR PROJECTIONS. MAKE NEEDED REPAIRS OR REPLACEMENTS TO THE SURFACE TO OBTAIN A SUITABLE SUBSTRATE PRIOR TO REPAIRING PROVIDE COST ESTIMATES AND GET APPROVAL FROM THE OWNER	JOINT.
TRENCH DRAIN: Z886–U4–HPP, 64 " WIDE REVEAL TRENCH DRAIN SYSTEM WITH 4 INCH BOTTOM OUTLET, HEEL–PROOF POLYETHYLENE GRATE	3.02 SELECTIVE DEMOLITION	5. INSTALL SILICONE SEALANT AT EACH EDGE OF 3.07 SEALANT INSTALLATION
3 MASONRY MATERIALS	1. GENERAL: DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW	1. CLEAN JOINTS AND OPENINGS IMMEDIATELY BE
COPING BRICK: BULLNOSE, SIZE AND COLOR TO MATCH EXISTING	LIMITATIONS OF GOVERNING REGULATIONS. COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF	SEALANT MANUFACTURER.
REPOINTING MORTAR: ASTM C270 AND ASTM C1329, PREHYDRATED TYPE N. COLOR TO BE SELECTED BY OWNER BASED ON CONTRACTOR MOCK-UPS.	2. EXAMINATION:	2. INSTALL SEALANT BACKINGS TO SUPPORT SEAL ENDS OF BACKINGS AND DO NOT STRETCH, TV
4 SHEET METAL	a. NOTIFY ENGINEER SEVEN (7) DAYS IN ADVANCE OF DATES WHEN CONCRETE AND PLASTER SURVEY	 INSTALL SEALANTS USING INDUSTRY STANDARD CONTACT AND FULLY WET SUBSTRATES. COMPL PRODUCE UNIFORM SHAPES.
MILL FINISH STAINLESS STEEL: CONFORM TO FEDERAL SPECIFICATION $QQ-S-766c$ annealed or FULLY ANNEALED, OR ASTM A167, TYPE 302/304 WITH MILL ROLLED 2D FINISH	IS TO BE COMPLETED. b. IDENTIFIED DETERIORATED PORTIONS OF CONCRETE/FINISHES TO BE REPLACED. MARK AREAS FOR REMOVAL BY SIMPLIFYING AND SQUARING OFF BOUNDARIES OF DELAMINATED AREAS AS DIRECTED BY ENGINEER.	4. AFTER SEALANT APPLICATION, TOOL SEALANTS JOINTS AT TRANSITIONS. PROVIDE SLIGHTLY CO
SOLDER: FEDERAL SPECIFICATION $QQ-S-571$ OR ASTM B32. USE 50/50 FOR ALL APPLICABLE WORK UNLESS OTHERWISE REQUIRED AND USE SOLDERING FLUX, CONFORMING TO FEDERAL SPECIFICATION $O-F-506$ BEST SUITED FOR SPECIFIC METAL.	C. PREPARE AND SUBMIT WRITTEN SUMMARY OF REPAIR QUANTITIES, SKETCHES AND COST SUMMARY FOR REVIEW BY ENGINEER.	3.08 CEMENTITIOUS WATERPROOFING APPLICATION
5 EXPANSION JOINTS	3. DISPOSAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS AND LEGALLY DISPOSE OF THEM. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. STORAGE OR SALE OF	1. PREPARATION
PRODUCT: PROVIDE SUBMERSEAL AS MANUFACTURED BY EMSEAL JOINT SYSTEMS LTD.	REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED.	a. PROTECT ALL SURROUNDING AREAS AND PREPARATION AND COATING APPLICATION.
JOINT WIDTH SHALL BE COORDINATED BETWEEN CONTRACTOR, MANUFACTURER, AND ENGINEER IN CONSIDERATION OF EXPECTED MOVEMENT AS A PRODUCT OF STRUCTURAL DESIGN AND EXPECTED TEMPERATURE VARIATIONS, TAKING INTO ACCOUNT AS-BUILT JOINT-GAP SIZES AND TEMPERATURES AT EXPECTED INSTALLATION TIME. MINIMUM JOINT WIDTH SHALL BE $1\frac{1}{2}$ INCHES.	 CLEANING: CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE SELECTIVE DEMOLITION OPERATIONS BEGAN. 3.03 CONCRETE REPAIRS 	 PERFORM SURFACE AND CRACK REPAIRS THE INTEGRITY OF THE CONCRETE SUBST WATERPROOF COATING MUST BE APPLIED CONCRETE SUBSTRATE TO A MINIMUM SU ACCORDANCE WITH THE INTERNATIONAL C
DIRECTIONAL CHANGES AND TERMINATIONS SHALL BE PROVIDED BY FACTORY-MANUFACTURED UNIVERSAL 90-DEGREE SINGLE UNITS CONTAINING MINIMUM 12-INCH LONG LEG AND 6-INCH LEG OR	1. CONCRETE REMOVAL: SAW CUT PERIMETER OF AREAS INDICATED FOR REMOVAL TO A DEPTH OF ½	03732. d. RINSE SURFACES TO BE WATERPROOFED CONDITION WITH NO STANDING WATER OF
ACCORDANCE WITH INSTALLATION INSTRUCTIONS.	INCH. MAKE CUTS PERPENDICULAR TO CONCRETE SURFACES AND NO DEEPER THAN COVER ON REINFORCEMENT (I.E. DO NOT CUT STEEL REINFORCEMENT). REMOVE LOOSE AND DETERIORATED CONCRETE BY BREAKING UP AND DISLODGING FROM THE REINFORCEMENT.	2. APPLICATION
S JOINT SEALANTS	a. REMOVE CONCRETE BETWEEN CUTS TO A DEPTH OF AT LEAST ½-INCH.	a. FOLLOW ALL MANUFACTURER'S DIRECTION
LIQUID—APPLIED, CHEMICALLY CURING SEALANT SPECIFIED, INCLUDING THOSE REFERENCING ASTM C920 CLASSIFICATIONS FOR TYPE, GRADE, CLASS, AND USES RELATED TO EXPOSURE AND JOINT SUBSTRATES.	REINFORCING BAR AND SURROUNDING CONCRETE IS SEPARATED, OR REINFORCING BAR IS CORRODED, REMOVE CONCRETE FROM ENTIRE PERIMETER OF BAR TO PROVIDE AT LEAST A 34-INCH CLEARANCE.	SYSTEM. b. MIX TWO-COMPONENT WATERPROOFING M
POLYURETHANE SEALANT:	C. TEST AREAS WHERE CONCRETE HAS BEEN REMOVED BY TAPPING WITH A HAMMER AND REMOVE ADDITIONAL CONCRETE UNTIL UNSOUND CONCRETE IS COMPLETELY REMOVED.	c. APPLY PRIMER AT MANUFACTURER'S REC d. INSTALL POLYLIRETHANE SEALANTS AT JOL
a. PRODUCTS: SIKAFLEX-2C NS EZ MIX OR ENGINEER'S APPROVED EQUIVALENT	d. PROVIDE FRACTURED AGGREGATE SURFACES WITH A ROUGHENED PROFILE THAT IS PERPENDICULAR OR PARALLEL TO ORIGINAL CONCRETE SURFACES (CSP-6).	MANUFACTURER'S RECOMMENDATIONS REG
b. TYPE AND GRADE: 2-COMPONENT AND NS (NON-SAG)c. CLASS: 25	2 EXCAVATE LOOSE SOIL BELOW EXPANSION JOINT LOCATIONS PROOF ROLL SUBGRADE AS DIRECTED BY	e. ROUT AND SEAL ALL CRACKS GREATER TO DRIED SAND INTO THE WET SEALANT AND
d. USE: NT e. COLOR: TO BE SELECTED BY OWNER	THE ENGINEER BEFORE FILLING OR PLACING AGGREGATE COURSES TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF ROLL WET OR SATURATED SUBGRADE. PLACE AND COMPACT BACKFILL IN HORIZONTAL LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS.	REINFORCEMENT FABRIC AT ALL VERTICAL JOINTS, PIPE AND DRAIN PENETRATIONS, DISCONTINUITIES THAT COULD UNDERMINE ADDITIONAL COAT OF CEMENTITIOUS MEME
a. PROVIDE SEALANT BACKINGS OF MATERIAL AND TYPE THAT ARF NON-STAINING ARF	3. REINFORCEMENT PREPARATION: REMOVE LOOSE AND FLAKING RUST FROM REINFORCING BARS BY HIGH-PRESSURE WATER CLEANING, AND/OR ABRASIVE BLAST CLEANING AS REQUIRED UNTIL ONLY	IN, AND SMOOTH OUT ANY WRINKLES AND NEXT INSTALLATION STEP.
COMPATIBLE WITH JOINT SUBSTRATES, SEALANTS, PRIMERS, AND OTHER JOINT FILLERS; AND ARE APPROVED FOR APPLICATIONS INDICATED BY SEALANT MANUFACTURER BASED ON FIELD EXPERIENCE AND LAROPATORY TESTING	TIGHTLY BONDED LIGHT RUST REMAINS.	OF THE MANUFACTURER'S PUBLISHED INS MIX AND SPREAD COATING MATERIAL ON
 b. BACKER ROD SHALL COMPLY WITH ASTM C1330, TYPE C (CLOSED-CELL MATERIAL WITH A SURFACE SKIN) OR ANY TYPES, AS APPROVED IN WRITING BY JOINT-SEALANT MANUFACTURER FOR JOINT APPLICATION INDICATED, AND OF SIZE AND DENSITY TO CONTROL SEALANT DEPTH AND OTHERWISE CONTRIBUTE TO PRODUCING OPTIMUM SEALANT PERFORMANCE 	TWO OR MORE ADJACENT BARS, SPLICE IN NEW OR CUT BARS AND REMOVE AND REPLACE AS DIRECTED BY THE ENGINEER. REMOVE ADDITIONAL CONCRETE AS NECESSARY TO PROVIDE AT LEAST ¾—INCH CLEARANCE AT EXISTING AND REPLACEMENT BARS. SPLICE, LAP, AND MECHANICALLY COUPLE REPLACEMENT BARS TO EXISTING BARS IN ACCORDANCE WITH ACI 318.	SQUEEGEES, ROLLERS OR OTHER ACCEPT WET THICKNESS PER COAT. A WET EDGE FRESHLY MIXED CEMENTITIOUS MATERIALS h. APPLY CEMENTITIOUS BOND COAT IN ACC
MISCELLANEOUS:	 ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT AND MAINTAIN MINIMUM CONCRETE COVER. 	INSTRUCTIONS, MIX AND APPLY IN A SINC BOND COAT TO CURE A MINIMUM OF 48 (WHERE SCHEDULED).
a. PRIMER: MATERIAL RECOMMENDED BY JOINT-SEALANT MANUFACTURER WHERE REQUIRED FOR	C. WHERE NO EXISTING REINFORCEMENT IS ENCOUNTERED IN REPAIR AREA, FORNISH AND INSTALL NEW STAINLESS STEEL BENT PINS AT 8 INCHES O.C. WITH A MINIMUM OF 3—INCH EMBEDMENT INTO THE EXISTING CONCRETE.	i. APPLY ONLY WHEN SURFACE AND AMBIEN TEMPERATURES, PROTECT APPLICATION FF
ADHESION OF SEALANT TO JOINT SUBSTRATES, AS DETERMINED FROM PRE-CONSTRUCTION JOINT-SEALANT-SUBSTRANTE TESTS AND FIELD TESTS.	d. APPLY AN ANTI-CORROSION COATING TO ALL EXPOSED REINFORCING BARS BY BRUSH OR ROLLER ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS. APPLY TO REINFORCING BARS IN	3 09 PLASTER / POOL FINISH APPLICATION
OF SEALANT AND SEALANT BACKING MATERIALS, FREE OF OILY RESIDUES OR OTHER SUBSTANCES CAPABLE OF STAINING OR HARMING JOINT SUBSTRATES AND ADJACENT NONPOROUS SURFACES IN ANY WAY, AND FORMULATED TO PROMOTE OPTIMUM ADHESION OF SEALANTS TO	BEFORE PLACING CONCRETE AND REMOVE ANY RESIDUAL COATING ON THE SURROUNDING EXISTING CONCRETE.	1. PLASTER APPLICATION
JOINT SUBSTRATES.	3. BEFORE PLACING CONCRETE, VERIFY THAT INSTALLATION OF FORMWORK, REINFORCEMENT, AND EMBEDDED ITEMS IS COMPLETE AND THAT REQUIRED INSPECTIONS HAVE BEEN PERFORMED.	a. DO NOT APPLY PLASTER OVER DIRT, RUS OTHERWISE DETRIMENTAL TO THE FORMAT
DEMENTITIOUS WATERPROUFING	4. PLACE CONCRETE PER MANUFACTURER'S AND ACI REQUIREMENTS.	 PROTECT CERAMIC TILE, DECKING, EQUIPM NOT SUITABLE COVERING OR MASKING.
WATERPROOFING: MIRAFLEX MEMBRANE C BY MIRACOTE	a. WEST SUBSTRATE TO SSD CONDITIONS, REMOVE ANY STANDING WATER.	C. MASK OR REMOVE ALL HARDWARE, PLATE RECEIVE POOL PLASTER. FOLLOWING COM REMOVED ITEMS LITULIZING WORKERS SKILL
PROTECTION COAT: MIRACOTE BC PRO BY MIRACOTE	b. PLACE CONCRETE OR PATCHING MATERIALS WITHIN PREPARED AREAS.c. USE VIBRATORS TO CONSOLIDATE CONCRETE AS IT IS PLACED.	d. MIX THE PLASTER ACCORDING TO THE MA
CRACK TREATMENT:	5. WET CURE CONCRETE FOR NOT LESS THAN SEVEN (7) DAYS BY KEEPING SURFACES CONTINUOUSLY WET BY WATER-FOG SPRAY OR WATER-SATURATED ARSORPTIVE COVER	REV DATE
a. MIRACOTE POLY FABRIC - ALKALINE RESISTANT POLYPROPYLENE WOVEN-MESH FABRIC FOR	3.04 DRAINAGE INSTALLATION	1
EMBEDMENT INTO MIRAFLEX MEMBRANE C, 10 INCHES WIDE. b. JOINT SEALANT – ONE-COMPONENT, URETHANE SEALANT SUCH AS SIKAFLEX-2C NS BY SIKA CORPORATION OR FOUNDATION	1. PIPE INSTALLATION	
c. #30 OVEN DRIED SAND - CLEAN, ROUNDED, FREE OF METALLIC OR OTHER IMPURITIES.		

INSTALL PIPING BEGINNING AT LOW POINTS OF SYSTEM, TRUE TO GRADES AND ALIGNMENT

INDICATED. BED PIPING WITH FULL BEARING IN FILTERING MATERIAL.

b. INSTALL PVC PIPING ACCORDING TO ASTM D2321 AT A MINIMUM SLOPE OF 1 PERCENT AND WITH A OTHERWISE APPROVED BY ENGINEER.

NCH FOR PIPES AND TRENCH DRAINS, ENSURING IE NEW CONCRETE. FION AND ELEVATIONS. ONCE SET, PLACE CONCRETE CH DRAIN SYSTEM. ANUFACTURER'S INSTRUCTIONS TO MEET LOAD RATING,

N REPAIR LOCATIONS, AS IDENTIFIED BY THE ENGINEER. UNITS FROM JOINT TO JOINT, WITHOUT DAMAGING THAT PERMITS REPLACEMENT WITH FULL-SIZE UNITS. RSING PATTERN OF EXISTING BRICK. IF CUTTING IS TO CUT MASONRY WITH CLEAN, SHARP, UNCHIPPED EDGES. HEAD, AND COLLAR JOINTS. BUTTER ENDS WITH AND SHOVE INTO PLACE. WET BOTH REPLACEMENT AND C67 INITIAL RATES OF ABSORPTION (SUCTION) OF MORE AIN JOINT WIDTH TO MATCH EXISTING JOINTS. TOOL NTS OF SURROUNDING EXISTING BRICKWORK.

PTH OF 3/4 INCH OR NOT LESS THAN THE REQUIRED TO REMOVE MORTAR FROM MASONRY SURFACES WITHIN WITH SQUARE BACKS AND TO EXPOSE MASONRY FOR OUT MORTAR BY HAND WITH CHISEL AND MALLET. WATER TO REMOVE DUST AND MORTAR PARTICLES. GREATER THAN 1 INCH. FULLY COMPACT FACH LAYER THUMBPRINT HARD BEFORE APPLYING NEXT LAYER. WHEN INTS TO MATCH ORIGINAL APPEARANCE. UGHLY DAMP CONDITION FOR AT LEAST 72 HOURS,

ANTS IMMEDIATELY PRIOR TO INSTALLATION OF EXPANSION WIPE JOINT FACES WITH SOLVENT-DAMPENED, LINT-FREE ONTAMINANTS.

D/OR TERMINATION PIECES FIRST. CONNECT STRAIGHT NSITIONS.

OF JOINT. MIX EPOXY ACCORDING TO MANUFACTURER'S EPOXY TO THE SUBSTRATE.

RESSION SEAL MATERIAL AND INSTALL INTO THE JOINT. S) IS FLUSH WITH THE DECK SURFACE. AT THE END OF END OF THE BELLOWS. WORK ALONG ENTIRE LENGTH OF

THE JOINT AND SUBSTRATE AND PROPERLY TOOL.

FORE INSTALLING SEALANT. PRIME AS REQUIRED BY THE

LANT DURING APPLICATION. DO NOT LEAVE GAPS BETWEEN WIST, OR PUNCTURE BACKINGS.

TECHNIQUES. PLACE SEALANTS SO THAT THEY DIRECTLY LETELY FILL RECESSES IN EACH JOINT CONFIGURATION.

TO FORM A SMOOTH, UNIFORM BEAD. PROVIDE CONCAVE DNVEX JOINTS AT ROUT AND SEAL LOCATIONS. TOOL

OTHER ADJACENT SURFACES FROM SURFACE

AS NECESSARY TO RE-PROFILE, RE-LEVEL OR RESTORE TO A CLEAN, SOUND AND MECHANICALLY PREPARED JRFACE PROFILE BETWEEN CSP-2 AND CSP-4, IN ONCRETE REPAIR INSTITUTE (ICRI) TECHNICAL GUIDELINE

WITH CLEAN WATER TO SATURATED SURFACE DRY (SSF) N HORIZONTAL SURFACES.

S, AS PUBLISHED IN THEIR PRODUCT TECHNICAL DATA GUIDELINES REGARDING THE APPLICATION OF THE

MATERIAL IN PROPORTIONS RECOMMENDED BY THE OMMENDED RATE.

INTS, TRANSITIONS, AND PENETRATIONS. FOLLOW SEALANT GARDING THE USE OF BACK ROD, BOND BREAKER TAPE, HAN 1/16-INCH WIDE. IMMEDIATELY BROADCAST OVEN

DETAIL ANE MATERIAL AND EMBED 10-INCH WIDE AND HORIZONTAL TRANSITIONS, CRACKS, CONSTRUCTION

CHANCES OF PLANE AND OTHER TYPES OF EXISTING WATERPROOFING INTEGRITY. IMMEDIATELY APPLY AN BRANE OVER THE EMBEDDED POLY FABRIC TO LOCK IT ID VOIDS. ALLOW TO DRY BEFORE PROCEEDING TO THE

TRICT CONFORMANCE TO THE MOST CURRENT VERSION TALLATION GUIDELINES AND TECHNICAL INSTRUCTIONS. TO SUBSTRATE WITH MAGIC TROWELS. HAND TROWELS. FABLE PLACEMENT TOOLS IN TWO (2) COATS AT 30 MIL SHALL BE MAINTAINED AT ALL TIMES WHEN PLACING

ORDANCE WITH MANUFACTURER'S INSTALLATION IGLE COAT AT THE RECOMMENDED COVERAGE RATE, ALLOW HOURS PRIOR TO PROCEEDING WITH PLASTER AND TILE

IT TEMPERATURES ARE 40°F AND RISING. AT HIGH ROM DIRECT SUN AND WIND TO PREVENT PREMATURE

- e. FINISH SHALL BE APPLIED TO A UNIFORM THICKNESS OF $\frac{3}{8}$ " TO $\frac{1}{2}$ " OVER THE ENTIRE SURFACE. THE WALLS SHALL BE SCRATCH-COATED FOLLOWED BY A FINISH COAT. MATERIAL APPLIED TO THE FLOOR AFTER THE WALLS HAVE BEEN APPLIED SHALL BE ACCELERATED TO ASSURE UNIFORM SETTING TIME THROUGHOUT THE POOL SURFACE.
- f. FLOAT THE PLASTER TO A UNIFORM PLANE AND TROWEL TO A SMOOTH, DENSE, IMPERVIOUS SURFACE USING EXTREME CARE TO AVOID STAINS. TAKE SPECIAL CARE IN FINISHING AROUND POOL FITTINGS. BE CERTAIN TO COMPLETELY ENCLOSE
- POOL FITTINGS WITH PLASTER TO ENSURE A LEAK-PROOF SEAL AROUND PIPES, FITTINGS, LIGHTS, ANCHORS, ETC. h. ACCURATELY INTERFACE WITH THE FINISH PLANES OF ITEMS INSTALLED BY OTHER TRADES.
- AFTER THE PLASTER HAS SUFFICIENTLY DRIED AND BEFORE DRYING HAS PROCEEDED TO A DAMAGING POINT. CURE THE PLASTER BY GRADUALLY FILLING THE POOL WITH WATER, PREVENTING ALL DAMAGE TO FINISHED PLASTER SURFACES. FLOW THE WATER CONTINUOUSLY UNTIL THE POOL IS FILLED. WHEN THE WEATHER IS HOT AND/OR WATER PRESSURE IS LOW, KEEP THE POOL WALLS DAMP WHILE THE POOL IS FILLING. ENSURE THAT THE POOL IS CONTINUOUSLY MONITORED WHILE FILLING TO PREVENT OVERFILL.
- 2. EXPOSED AGGREGATE FINISH (DIAMOND BRITE) APPLICATION
- a. CLEAN POOL SURFACES OF ALL MATERIAL THAT MIGHT INTERFERE WITH PROPER BONDING OF COATING. CLEAN WITH HIGH PRESSURE WATER AND/OR SAND BLASTING. WASH WITH CHLORINE UNTIL ALGAE, MOLD, AND MILDEW ARE GONE.
- b. APPLY COATING IN ACCORDANCE WITH COATING MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS
- c. APPLY BOND COAT WITH STIPPLED FINISH TO PROMOTE ADHESION.
- d. MIX COATING TO PRODUCE BEST QUALITY AND CONSISTENT COLOR THROUGHOUT. IF MATERIAL FROM MORE THAN ONE BATCH NUMBER IS USED, MIX ALL BATCHES TOGETHER FOR COLOR CONSISTENCY. e. APPLY, TROWEL, AND EXPOSE AGGREGATE USING METHODS AND SEQUENCING SELECTED TO
- PRODUCE THE MOST UNIFORM FINISH. AVOID PRACTICES THAT MAY CAUSE WASHOUT, SHADOWS, STREAKS OR DISCOLORATION. AT AREAS THAT WILL BE ABOVE WATER LINE, TAKE CARE TO AVOID BLISTERS OR HOLLOWS AND
- WATER CURE FOR 7 TO 28 DAYS TO REDUCE POSSIBILITY OF SHRINKAGE CRACKING. g. REPLACE AREAS OF NON-UNIFORM APPEARANCE. h. ALLOW COATING TO AIR FRY BEFORE FILLING POOL; AVOID FILLING TOO SOON THAT COULD CAUSE
- MOTTLING; AVOID DRYING OUT CAUSING SHRINKAGE CRACKS. i. FILTER POOL WATER USING A CARBON TANK AND SEQUESTERING AGENT TO REMOVE CONTAMINANTS THAT MIGHT CAUSE STAINING.
- FILL POOL AND START CIRCULATION SYSTEM WHEN WATER LEVEL IS ABOVE RETURN INLETS.
- CIRCULATE WATER CONTINUOUSLY FOR THE FIRST 3 DAYS. k. TEST WATER AND ADJUST CHEMISTRY TO BEST AVOID DISCOLORATION AND SCALE.
- I. BRUSH ENTIRE COATED SURFACE TWICE A DAY FOR THE FIRST 3 DAYS. THEREAFTER, BRUSH ENTIRE SURFACE ONCE A DAY FOR 2 WEEKS. m. DO NOT USE WHEELED VACUUMS FOR AT LEAST 14 DAYS AND DO NOT INSTALL AUTOMATIC VACUUMS FOR AT LEAST 28 DAYS.

3.10 TILE INSTALLATION

- INSTALL CERAMIC TILE IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE MOST RECENT EDITION OF THE TILE COUNCIL OF NORTH AMERICA, INC. "HANDBOOK FOR CERAMIC TILE INSTALLATION."
- 2. INSTALL ALL SWIMMING POOL CERAMIC TILE STRAIGHT, TRUE, PLUMB AND SQUARE WITHIN A TOLERANCE HORIZONTALLY OF ONE IN 200 AND A TOLERANCE VERTICALLY OF ONE IN 500. WATERLINE TILE SHALL BE LEVEL TO 🖁 AROUND ENTIRE PERIMETER OF SWIMMING POOL.
- GROUTING: FOLLOW GROUT MANUFACTURER'S RECOMMENDATIONS AS TO GROUTING PROCEDURES AND PRECAUTIONS. REMOVE ALL GROUT HAZE, OBSERVING GROUT MANUFACTURER'S RECOMMENDATIONS AS TO USE OF ACID AND CHEMICAL CLEANERS.
- 4. UPON COMPLETION OF THE SWIMMING POOL CERAMIC TILE INSTALLATION, THOROUGHLY CLEAN AND POLISH THE EXPOSED SURFACES OF TILE WORK.
- 5. PROVIDE THE OWNER WITH 10% EXTRA STOCK OF SWIMMING POOL TILE.

3.10 CLEAN-UP

- REMOVE MARKINGS FROM FINISHED SURFACES. IN AREAS WHERE FINISHED SURFACES ARE SOILED CAUSED BY WORK, CONSULT THE MANUFACTURER OF SURFACES FOR CLEANING ADVICE AND CONFORM TO THEIR INSTRUCTIONS.
- 2. AT COMPLETION, BEFORE OWNER'S ACCEPTANCE, REMOVE ALL DEBRIS AND EXCESS MATERIALS.
- CONTRACTOR SHALL BEAR COSTS OF REPAIRS AND RESTORATION FOR WORK DAMAGED BY CONTRACTOR'S MATERIALS AND/OR OPERATIONS.
- 4. CONTRACTOR SHALL HAND SWEEP (BROOM) ALL SIDEWALKS, CURBS, GUTTERS, ETC. OF DEBRIS FROM
- 5. REPAIR/REPLACE AND RESTORE ALL CONSTRUCTION FOUND TO BE DAMAGED UPON COMPLETION AND AFTER DEMOBILIZATION. THIS EXCLUDES ITEMS DOCUMENTED BY THE CONTRACTOR PRIOR TO THE START OF WORK ASSUMING SUCH DETAILED DOCUMENTATION WAS PROVIDED TO OWNER AND ENGINEER PRIOR TO THE START OF WORK.

ST, SCALE, GREASE, MOISTURE, OR CONDITIONS ION OF A DURABLE PLASTER FINISH. MENT, GRATINGS, GUTTERS, FITTINGS AND OTHER ITEMS	NOVA PARKS 5400 ox road fairfax, virginia 22039		
IS, FIXTURES AND SIMILAR TIEMS IN PLACE NOT TO IPLETION OF PLASTER, REMOVE MASKING. REINSTALL ALL LED IN THE TRADES INVOLVED. ANUFACTURER'S WRITTEN INSTRUCTIONS.	CAMERON RUN REGIONAL PARK 4001 eisenhower avenue alexandria, virginia 22304		
	SPECIFICATIONS		
www.etc-web.com	SCALE: AS NOTED	PROJECT NO. M0-4162	DATE: 05/24/2021
Engineering and Tecnnical Consultants, Inc. 7165 Columbia Gateway Drive, Suite B, Columbia Maryland 21046 t410 312 4761 t410 312 0482	APPROVED BY: CASSIE B. PARK, P.E. DRAWING NUMBER		DRAWING NUMBER
	DRAWN BY: RAO		1 K-5