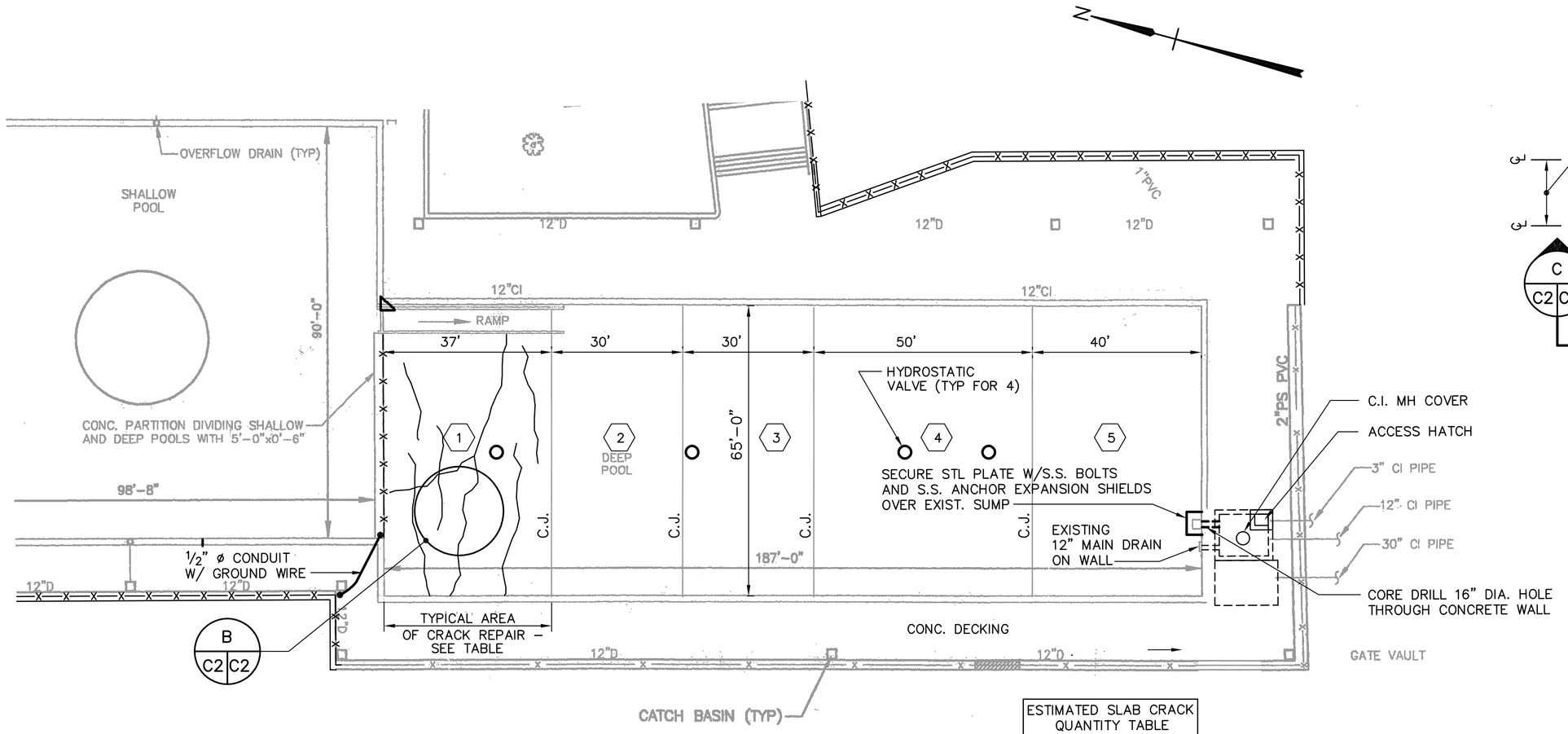
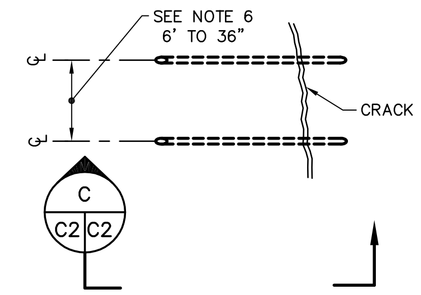


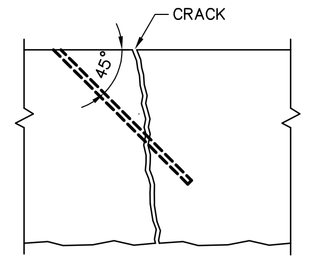
POOL SLAB REPAIR PLAN

SCALE: 1"=20'

ESTIMATED SLAB CRACK QUANTITY TABLE	
AREA	LENGTH (FEET)
1	190
2	340
3	270
4	140
5	10
TOTAL	950 LF



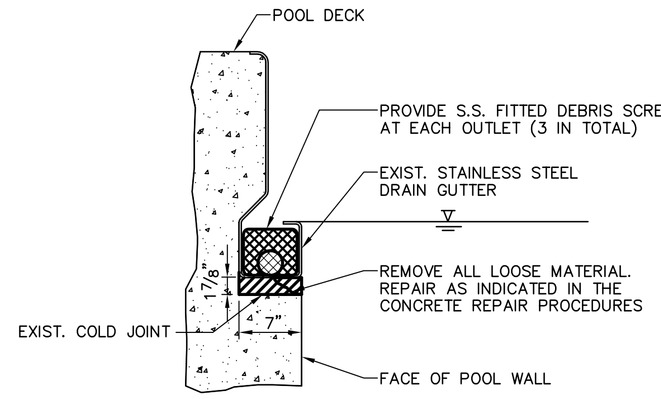
B C2 C2 PLAN N.T.S.



C C2 C2 SECTION

CRACK REPAIR

N.T.S.

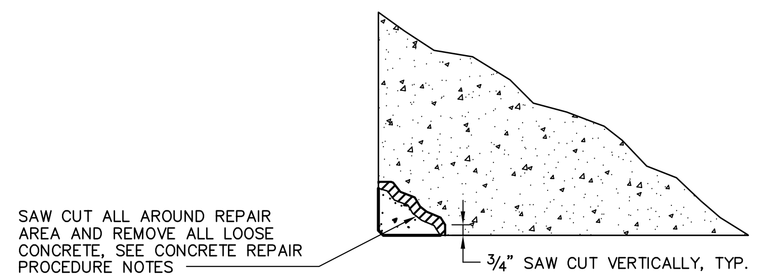


D C1 C2 CONCRETE REPAIR AT DRAIN GUTTER -DETAIL

NOT TO SCALE

A C1 C2 NEW WALL DRAIN INLET W/ANTI-ENTRAPMENT SUCTION OUTLET COVERS

NOT TO SCALE



PLAN

E C1 C2 CORNER REPAIR DETAIL

NOT TO SCALE

CRACK REPAIRS:

1. CONTRACTOR MUST HAVE A MINIMUM OF 3 YEARS EXPERIENCE IN CRACK REPAIR AND BE APPROVED BY THE REPAIR PRODUCT'S MANUFACTURER.
2. REPAIR PRODUCT MANUFACTURER MUST BE PRESENT DURING THE PREPARATION AND INJECTION OF HYDROPHOBIC CHEMICAL GROUT.
3. REMOVE EXISTING CAULKING, DIRT, ANY LOOSE MATERIAL, AND MINERAL DEPOSITS FROM CRACKS.
4. CLEAN AND FLUSH CRACKS WITH WATER.
5. IF WIDE CRACK OR HIGH WATER FLOWS ARE ENCOUNTERED, SEAL THE SURFACE OF THE CRACK WITH A HYDRAULIC CEMENT, EPOXY GEL, OR OAKUM SATURATED WITH POLYURETHANE GROUT (AS RECOMMENDED BY THE MANUFACTURER).
6. DRILL 1/2" OR 5/8" DIA. HOLES ALONG THE SIDE OF THE CRACK AT 45° ANGLE. DRILLED HOLES MUST INTERSECT CRACK WIDTH MID WAY THROUGH THE SUBSTRATE. SPACE DRILLED HOLES 6" TO 36" O.C. (DEPENDING ON CRACK'S WIDTH AND LENGTH).
7. INSTALL INJECTION PACKERS IN HOLES AND TIGHTEN.
8. BEGIN INJECTION OF THE GROUT INTO THE LOWEST PACKER WHETHER IN THE SLAB OR WALL. FOLLOW INJECTION PROCEDURES DICTATED BY THE PRODUCT MANUFACTURER'S INSTRUCTIONS.
9. SEALING MATERIALS SHALL BE "SIKAFIX HH LV" BY SIKA, OR "HYDRO-ACTIVE FLEX LV" BY DE NEEF CONSTRUCTION CHEMICALS INC.
10. REMOVE OR CUT PACKERS FLUSH WITH THE CONCRETE SURFACE AFTER THE INSTALLED MATERIAL HAS COMPLETELY CURED.
11. REMOVE ALL RESIDUAL RESIN THAT HAS FOAMED FROM THE CRACK WITH A SCRAPER IF GROUT HAS NOT YET CURED. IF THE MATERIAL HAS CURED, REMOVE RESIDUAL GROUT BY WIRE BRUSHING OR HAND HELD GRINDER.
12. ONCE THE MATERIAL HAS FULLY CURED AND ALL RESIDUAL GROUT REMOVED, THE PACKERS AND OTHER UNFILLED AREAS MAY BE FILLED WITH AN EPOXY GROUT OR ADHESIVE RECOMMENDED BY THE PRODUCT'S MANUFACTURER.

CONCRETE REPAIR PROCEDURES:

1. REMOVE ALL LOOSE MATERIAL, EXAMINE EXISTING CONCRETE SURFACE TO MAKE SURE SURFACE IS SUFFICIENTLY CLEAN TO ACCEPT THE REPAIR MATERIAL.
2. APPLY BONDING AGENT / PRIMER TO ALL CONCRETE SURFACES AND INSTALL REPAIR MATERIAL.
3. REPAIR MATERIAL SHALL BE "EMACO S88-CI" BY BASF, OR "SIKA MONOTOP 615" BY SIKA.
4. PRIMER/BONDING AGENT SHALL BE SIKA "ARMTEC 110 EPOCEM BY SIKA, OR EMACO P24 BY BASF.

REV.	DATE	DESCRIPTION	BY	CHK.	APP'D.

CITY OF SALEM, MASSACHUSETTS
PARK AND RECREATION DEPARTMENT

FOREST RIVER POOL REHABILITATION

MISCELLANEOUS DETAILS

ENGINEERS FST Since 1914
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FS&T PROJECT NUMBER	SCALE: AS NOTED	DES. AD	CHK. GP	APPROVED
LG-400G	DATE: APRIL 10, 2009	DR. JSR	PROJ. ENGR. GP	

DWG. NO. C2 SHEET NO. 2 OF 2

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