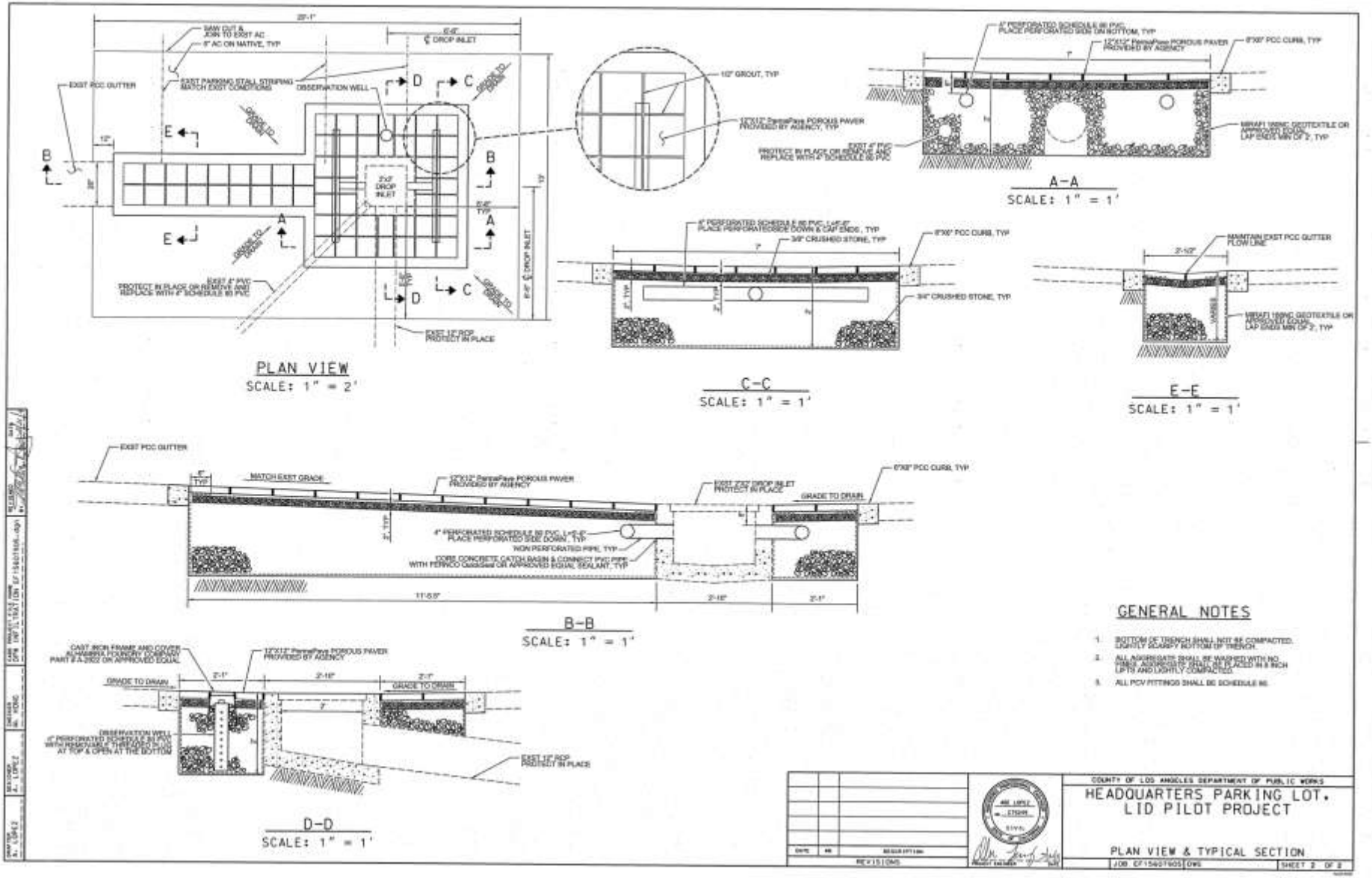
HQ Parking Lot
L.A. County DPW

Porous Paver
Drain Inlet Isolation
Pilot Project

BD/LACDPW/WMD

Plans


PLAN VIEW
SCALE: 1" = 2'
A-A
SCALE: 1" = 1'
C-C
SCALE: 1" = 1'
E-E
SCALE: 1" = 1'
B-B
SCALE: 1" = 1'
D-D
SCALE: 1" = 1'
GENERAL NOTES
1. BOTTOM OF TRENCH SHALL NOT BE COMPACTED. LIGHTLY SCARIFY BOTTOM OF TRENCH.
2. ALL AGGREGATE SHALL BE WASHED WITH NO FINES. AGGREGATE SHALL BE PLACED IN 8 INCH LIFTS AND LIGHTLY COMPACTED.
3. ALL PCV FITTINGS SHALL BE SCHEDULE 80.
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
HEADQUARTERS PARKING LOT.
LID PILOT PROJECT
PLAN VIEW & TYPICAL SECTION
JOB CF15407905 DWG
SHEET 2 OF 2

Before

Construction
Begun July 1, 2011

Construction

Construction


Laying out the Flow Lines


Pouring the Concrete Curbs


Concrete Forms in Place

Construction

3/8" Fines-free Crushed Stone Bedding Layer

Setting the Tiles

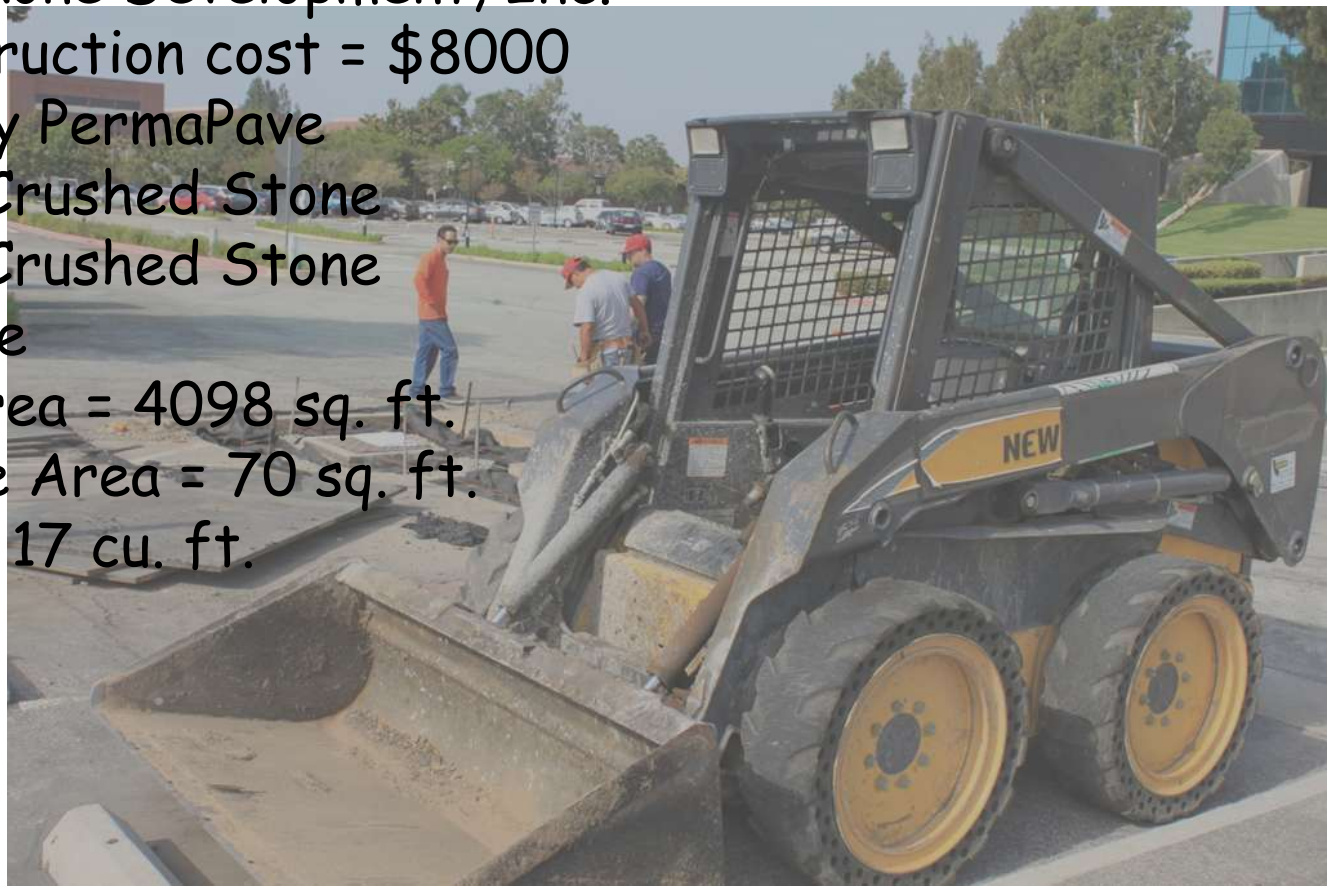
Tiles before Grouting

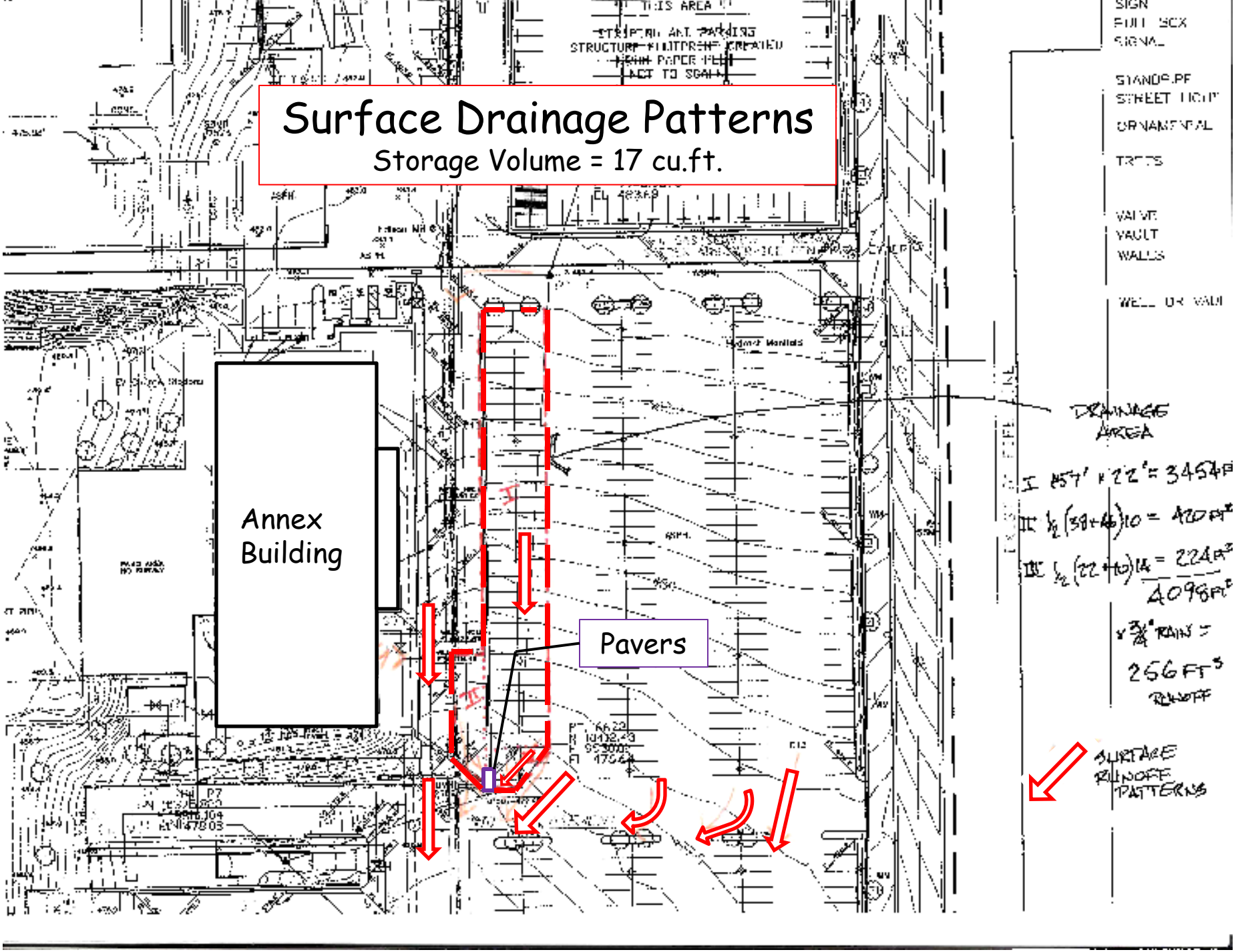
Grouting

Completed July 16, 2011

Details

- Built through a Job Order Contract (JOC)
- Contractor: Mackone Development, Inc.
- Contracted Construction cost = $8000
- Pavers Donated by PermaPave
- 2.5 cu. yds. 3/4" Crushed Stone
- 0.5 cu. yds. 3/8" Crushed Stone
- 2400 lbs. concrete
- Total Drainage Area = 4098 sq. ft.
- Pavement Surface Area = 70 sq. ft.
- Storage Volume = 17 cu. ft.




Surface Drainage Patterns
Storage Volume = 17 cu.ft.
Annex Building
Pavers
DRAINAGE AREA
I 457' x 22' = 3454 ft²
II ½(38+46)10 = 420 ft²
III ½(22+10)14 = 224 ft²
4098 ft²
x ¾" RAIN =
256 FT³ RUNOFF
SURFACE RUNOFF PATTERNS

Baseline Infiltration Test

September 15, 2011

Storm Reports

2011 – 2012 Storm Season

October 5, 2011

Total Rainfall = 1.89"
Duration = 12 hours
Runoff Volume = 645 cu.ft.
3% of Storm Captured

Post-Storm Examination

Some Clogging on the East Edge