

CITY OF LOS ANGELES
INTER-DEPARTMENTAL CORRESPONDENCE

Date: October 28, 2013

To: James Zabala, Assistant Division Manager
Project Award and Control Division



From: Carl Mills, P.E
Civil Engineer
Central District, Bureau of Engineering

**Subject: REQUEST FOR INFORMATION FOR CLAIMANT YOLANDA LOPEZ
(CLAIM NO. C12-4912, COURT CASE NO. BC 518325)**

In response to the City Attorney's request attached is our response to

- Demand for Production and Inspection of Documents, Item No.13
- Identify who installed the decorative sidewalk

If you have any questions regarding this matter please call Avalyn Kamachi-Lazaro of my staff at 213-482-7000

CM/AKL

Attachments

SAMPLE

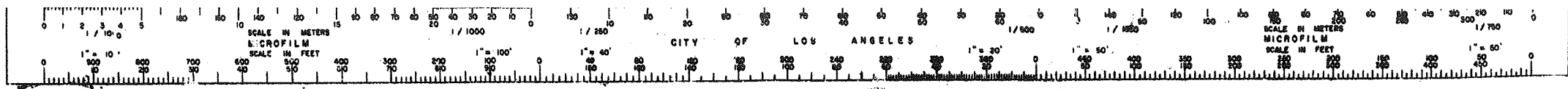
Response to Production of Documents

13. *Any and all design plans or specification Documents concerning the resurfacing, repair or replacement of the broken and/or missing decorative tiles just before the curb and above the traffic signal cement box on the ground of the Subject Public Property since December 19, 2011.*

Attached is a copy of plans D-27762 from 1983 that refer to the reconstruction of the granite pavers along Spring Street.

Construction note 2 on Sheet 8 states the type of granite paver that was to be used. No records were found that would indicate who installed the pavers.

SAMPLE



NOTICE TO CONTRACTORS

- SPECIFICATIONS:**
ALL WORK SHALL CONFORM TO THE 1988 EDITION AND 1989 & 1990 SUPPLEMENTS OF THE STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADOPTED BY THE BOARD OF PUBLIC WORKS OF THE CITY OF LOS ANGELES AS MODIFIED BY THE CORRESPONDING ISSUE OF STANDARD PLANS S-610-17 AND TO THE SPECIAL PROVISIONS.
- THIS IMPROVEMENT ALSO INCLUDES WORK CALLED FOR ON THE FOLLOWING PLAN: D-27766 SEWER.
- THE CONTRACTOR SHALL NOTIFY THE STOPS AND ZONES DEPARTMENT OF THE SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT (TEL. (213) 237-6530) 2 WEEKS IN ADVANCE OF ANY WORK THAT AFFECTS THE R.T.D. BUS STOPS.
- THE DIMENSIONS FOR CASE B CURB RAMP SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN ON PLANS: W-4', X-6' AND Y-8'. W AND X DIMENSIONS SHALL BE CARRIED BACK RADIALLY WITH A W OF NO LESS THAN 3' AT BACK OF RAMP. ROTATE RAMP IN RETURN AREAS AS NECESSARY TO AVOID PULL BOXES, FIRE HYDRANTS OR ANY OTHER STRUCTURES.
- ALL INTERFERING EXISTING IMPROVEMENTS WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED TO THE EXTENT REQUIRED FOR THE SATISFACTORY COMPLETION OF THE NEW CONSTRUCTION INDICATED ON THESE PLANS.
- THE LOCATION OF EXISTING TRAFFIC SIGNAL CONDUITS SHOWN ON THE PLAN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE IN ADVANCE OF THE WORK THE LOCATION OF TRAFFIC SIGNAL CONDUITS OR OTHER TRAFFIC SIGNAL EQUIPMENT WHICH MAY INTERFERE WITH THE WORK OR WHICH MAY BE DAMAGED BY HIS OPERATION.
- IN THE EVENT OF DAMAGE TO EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE SIGNAL CONSTRUCTION SUPERINTENDENT, 485-2261. SUCH DAMAGED EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR AND INSPECTED BY THE SIGNAL CONSTRUCTION SUPERINTENDENT BEFORE SIGNAL CIRCUITS ARE ENERGIZED.
- THE RELOCATION OR REINSTALLATION OF STREET LIGHTING OR TRAFFIC SIGNAL SYSTEM FACILITIES NECESSITATED BY THIS IMPROVEMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE ENTIRE COST THEREOF SHALL BE CONSIDERED AS INCLUDED IN THE OTHER WORK FOR WHICH BID ITEMS ARE ENTERED.
- CONCRETE PAVEMENT:**
ALL TRANSVERSE WEAKENED PLANE JOINTS SHALL BE PLACED AT 15' INTERVALS AND SHALL BE REINFORCED WITH #5-80' DEFORMED REBARS ON 30" CENTERS PLACED MID-DEPTH ACROSS THE JOINT. LONGITUDINAL AND CONSTRUCTION JOINTS SHALL BE KEYS AND REINFORCED WITH #5-30' DEFORMED REBARS ON 30" CENTERS PLACED MID-DEPTH ACROSS THE JOINT. ALL JOINTS SHALL BE SEALED WITH TYPE "A" SEALANT. CONCRETE CI ABS 680-A-4200 SHALL BE USED FOR HIGH EARLY STRENGTH CONCRETE. THE MAXIMUM WATER/CEMENT RATIO BY WEIGHT SHALL BE 0.45. POLYETHYLENE GLYCOL OR EQUIVALENT WATER REDUCING AGENT MAY BE USED IN THE AMOUNT OF 3 OUNCES PER 100 LBS OF CEMENT. THIS CONCRETE SPECIFICATION SHOULD PROVIDE A COMPRESSIVE STRENGTH OF 8000 PSI IN 28 DAYS.
- THE REMOVAL OF ACWS SHALL BE DONE BY COLDPLANING OR OTHER APPROVED METHOD TO A DEPTH OF 2" TO 4" TO ACCOMMODATE FOR A 2" OVERLAY AND ELEVATIONS AS SHOWN ON PLANS AT STREET INTERSECTIONS COLDPLANING UP TO 6" MAY BE REQUIRED.
- THE CONTRACTOR SHALL COMPLY WITH ALL THE PROVISIONS OF THE LOS ANGELES "LOAD CONTROL DISTRICT PERMIT WHICH IS ON FILE IN THE OFFICE OF THE CITY ENGINEER.
- WHEN A STRUCTURE IS ABANDONED, THE STEEL FRAME AND COVER AND VENT FRAMES SHALL BE REMOVED. ALL DUCTS AND VENT HOLES SHALL BE PLUGGED. THE FLOOR SHALL HAVE A MINIMUM OF FOUR 6" DIAMETER HOLES PUNCHED THROUGH. THE STRUCTURE SHALL BE REMOVED TO A DEPTH OF 3 FEET BELOW GUTTER GRADE AND THE REMAINING PORTION OF THE STRUCTURE SHALL BE FILLED WITH SAND AND FLOODED. ALL CONDUIT SECTIONS TO BE ABANDONED SHALL BE PLUGGED AT BOTH ENDS.
- MANHOLE ADJUSTMENT CASTING SCHEDULE: SEE SPECIAL PROVISIONS.
- ASPHALT CONCRETE OVERLAY - ALL DEBRIS AND LOOSE MATERIAL FROM COLDPLANING SHALL BE REMOVED FROM THE PLANNED A.C. SURFACE. THE OVERLAY WILL HAVE A MINIMUM THICKNESS OF 2 1/2", CONSISTING OF A 3/4" LEVELING COURSE, 1 LAYER OF REINFORCING FABRIC, AND A 1 1/2" WEARING COURSE. IN SOME AREAS A LEV-LING COURSE GREATER THAN 3/4" MAY BE REQUIRED TO MEET PAVING ELEVATIONS AS SHOWN ON PLANS.
- TRAFFIC LANE REQUIREMENT - SEE SPECIAL PROVISIONS.

CONSTRUCTION NOTES AND STANDARD PLANS

| NO. | CONSTRUCTION ITEM | STD. PLAN NO. |
|-----|---|---------------|
| 1 | CONCRETE CURB TYPE "A" | S-410-2 |
| 2 | TYPE C INTEGRAL CURB & GUTTER 6" x 8" b=8" | S-410-2 |
| 3 | TYPE C INTEGRAL CURB & PAVEMENT 9" THICK C-16 | S-410-2 |
| 4 | CONCRETE GUTTER 6" x 2" b=6" | S-410-2 |
| 5 | CONCRETE PAVEMENT 9" THICK SEE NOTE & HEREON | S-430-1 |
| 6 | CONCRETE DRIVEWAY CASE 2" x 4" | S-440-3 |
| 7 | CONCRETE DRIVEWAY CASE 2" x 4" | S-440-3 |
| 8 | CONCRETE WALK 3" THICK | S-440-3 |
| 9 | ASPHALT CONCRETE PAVEMENT 9" UNLESS OTHERWISE NOTED | S-440-3 |
| 10 | ASPHALT CONCRETE PAVEMENT - VARIABLE THICKNESS | S-440-3 |
| 11 | UNTREATED BASE MATERIAL 4" C.A.B. UNLESS SHOWN OTHERWISE | S-440-3 |
| 12 | ADJUST MANHOLE TO GRADE | S-197-0 |
| 13 | CURB RAMPS - CASE E, UNLESS OTHERWISE NOTED | S-442-1 |
| 14 | ADJUST ELECTRICAL PULL BOX WITH CONDUIT TO GRADE | S-201-0 |
| 15 | WARPED GUTTER @ CATCH BASINS | S-411-0 |
| 16 | SEE CONSTRUCTION NOTE NO. 30 - DELETE STEEL GRATING COVER | S-348-1 |
| 17 | CATCH BASIN REMODELING & REINFORCING | S-348-1 |
| 18 | FRAME & GRATING FOR CATCH BASIN | S-348-1 |
| 19 | STEEL STEPS FOR CONCRETE STRUCTURE | S-348-1 |
| 20 | CURBSIDE GRATING BASIN | S-354-0 |
| 21 | SIDE OPENING CATCH BASINS | S-354-1 |
| 22 | CATCH BASIN CURB INLET & SUPPORT | S-390-0 |
| 23 | CATCH BASIN MANHOLE FRAME & COVER | S-396-2 |
| 24 | CATCH BASIN PROJECTION & SUPPORT | S-399-2 |
| 25 | RECONSTRUCT SWD - SEE NOTE TO SHEET 2 | S-508-2 |
| 26 | DWP VAULTS (See Notice to Contractors Note 18) | S-435-2 #1 |
| 27 | DWP MAN HOLE (See Notice to Contractors Note 18) | S-435-2 #1 |
| 28 | TREE WELL PER DETAIL SHEET AND STD. PLANS | S-435-2 #1 |
| 29 | RESET TREE TO ORIGINAL GRADE | S-435-2 #1 |

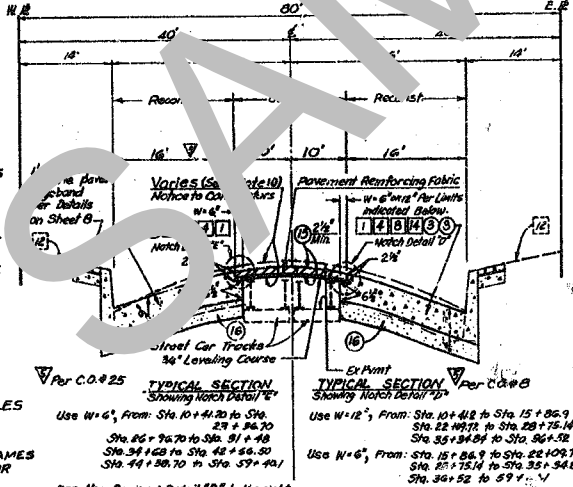
STANDARD SYMBOLS

- TO BE CONSTRUCTED
- TO BE REMOVED
- WITH DASH TO REMODEL EXISTING
- WITH DASH TO REMOVE & RECONSTRUCT
- WITH DASH TO BE ABANDONED IN PLACE
- WITH DASH TO BE ABANDONED IN PLACE

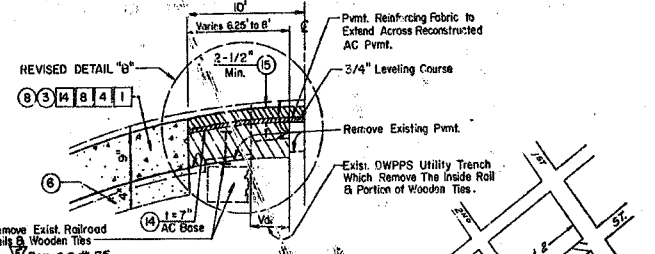
FAUP M-L 350 (001)

INDEX TO SHEETS

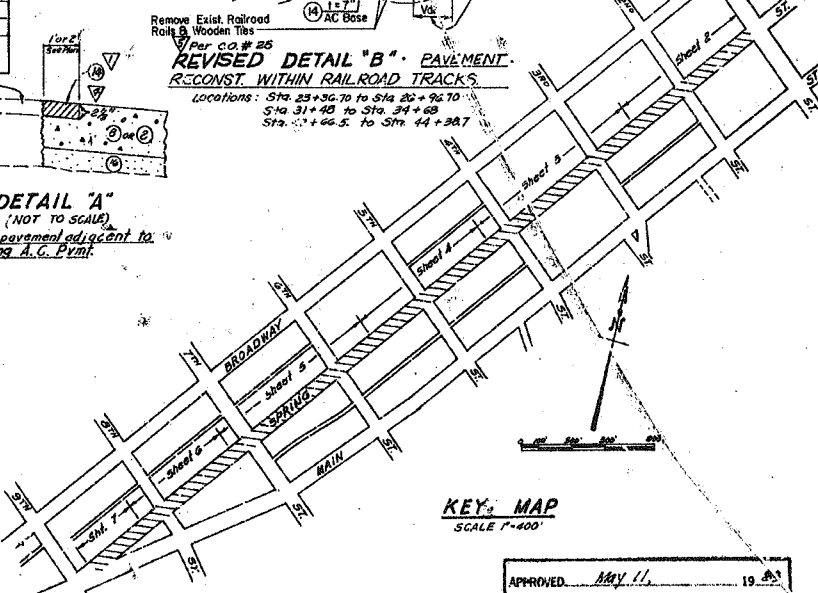
| SHT. NO. | PLANS | FROM | TO |
|----------|--------------------|--|---------|
| 1 | TITLE SHEET | | |
| 2-7 | STREETS | 1ST ST. | 9TH ST. |
| 8 | SPRING ST. | 1ST ST. | 9TH ST. |
| 9 | GRANITE EDGE BAND | 1ST ST. | 9TH ST. |
| 10-13 | SUBSTRUCTURE MAPS | 1ST ST. | 9TH ST. |
| 14 | TY SAC CONDUIT | 1ST ST. | 9TH ST. |
| 15 | TERRAZO SIDEWALK | | |
| 16-17 | SPECIAL CURB RAMPS | | |
| 18 | ACCESS RAMPS | OUTSIDE OF PROJECT LIMITS - SEE PLAN E | |
| 19-25 | STREET LIGHTING | 1ST ST. | 9TH ST. |
| 26-38 | TRAFFIC SIGNALS | 1ST ST. | 9TH ST. |



DETAIL A
(NOT TO SCALE)
Conc. pavement adjacent to existing A.C. Pvmt.



REVISED DETAIL "B" PAVEMENT
RECONST. WITHIN RAILROAD TRACKS
Locations: Sta. 23+56.70 to Sta. 24+96.70
Sta. 31+49.50 to Sta. 34+69
Sta. 37+66.50 to Sta. 44+39.7



KEY MAP
SCALE 1"=400'

APPROVED: May 11, 1983
BY: Donald R. Howery, GENERAL MANAGER
DEPARTMENT OF TRANSPORTATION



SPRING ST RECONSTRUCTION BET. 1ST ST. AND 9TH ST.
W.O. 718-43

| NO. | REVISION DESCRIPTION | DIV./DIST. ENGR. | DATE | CITY ENGINEER | DATE |
|-----|---|------------------|----------|---------------|------|
| 1 | Revised "Notice to Contractors" Index to sheets, Construction Notes, Typical Section & Detail "A" added. Sht. 14 added. Sht. 15 added. Sht. 16 added. | | 5-23-83 | | |
| 2 | Revised Detail "B" showing "AC Base" as shown in detail. | | 10-11-83 | | |
| 3 | Revised Detail "A" showing "AC Base" as shown in detail. | | 10-11-83 | | |
| 4 | Revised Detail "B" showing "AC Base" as shown in detail. | | 10-11-83 | | |
| 5 | Revised Detail "A" showing "AC Base" as shown in detail. | | 10-11-83 | | |

| APPROVALS | ENGINEER | DATE | R.E. NO. | DATE |
|------------------|------------------|---------|----------|---------|
| Philip V. King | Philip V. King | 5/15/83 | 11152 | 5/15/83 |
| Donald R. Howery | Donald R. Howery | 5/15/83 | 11152 | 5/15/83 |

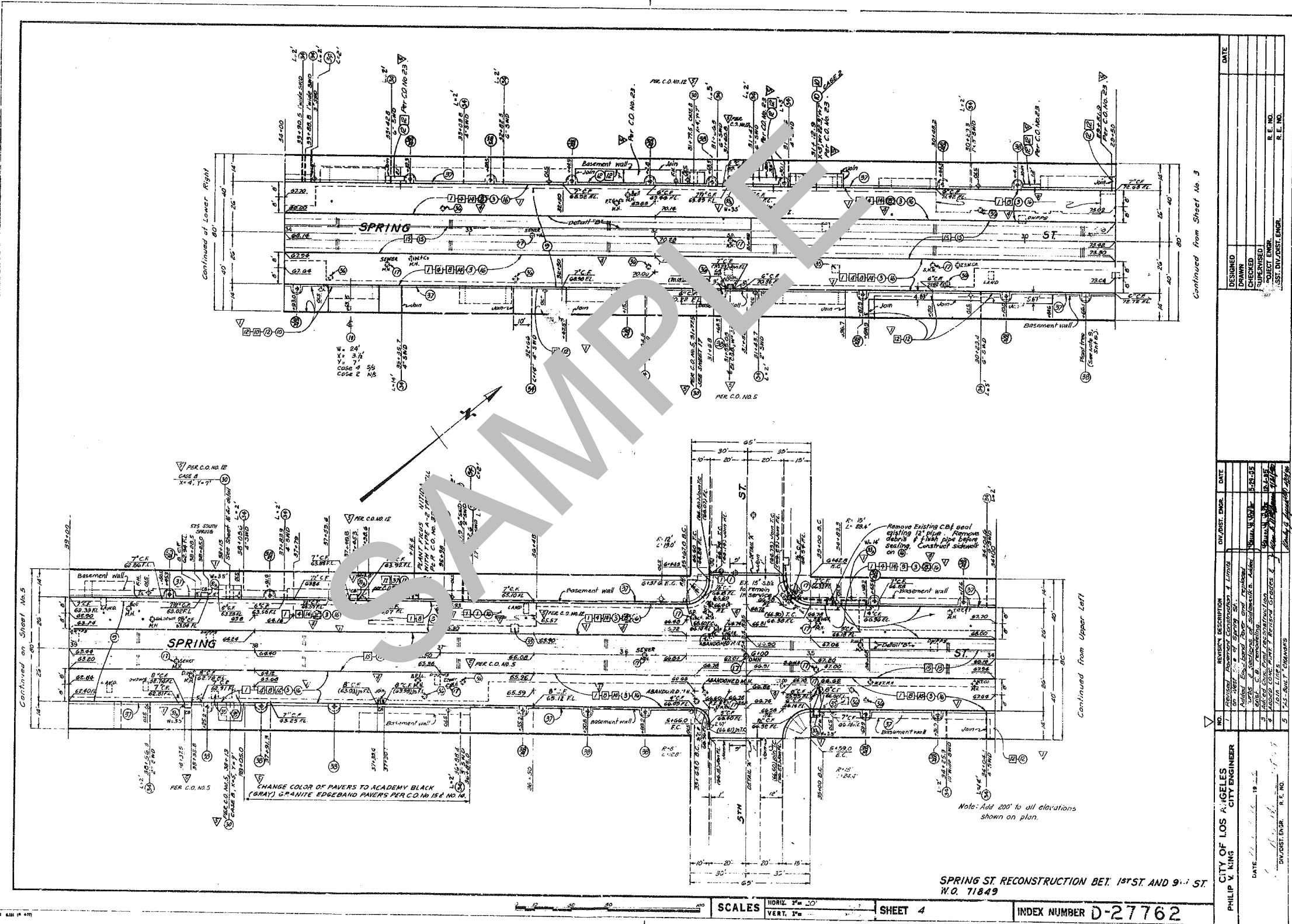
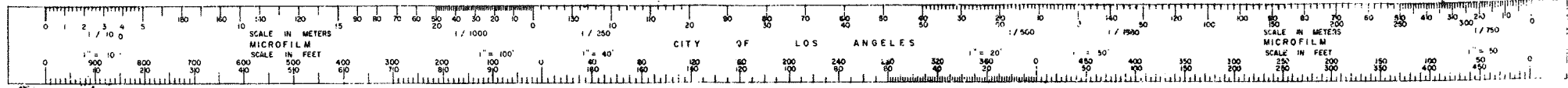
"AS-BUILT"

SHEET 1 OF 38 SHEETS INDEX NUMBER D-27762

STATS-D

STATS-D

STATS-D



| | |
|----------------------|----------|
| DESIGNED | DATE |
| DRAWN | |
| CHECKED | |
| SUPERVISED | |
| PROJECT ENGR. | R.E. NO. |
| SST. DIV/DIST. ENGR. | R.E. NO. |

| NO. | REVISION DESCRIPTION | DIV./DIST. ENGR. | DATE |
|-----|-------------------------------------|------------------|------|
| 1 | Revised: Paving Contractor's Limits | | |
| 2 | Added: Edgeband Paver and Paver | | |
| 3 | Added: C.B. Manhole | | |
| 4 | Added: Edgeband Paver and Paver | | |
| 5 | Added: Edgeband Paver and Paver | | |

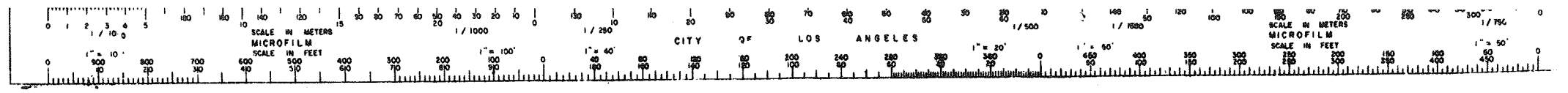
CITY OF LOS ANGELES
 PHILIP V. KING
 CITY ENGINEER
 DATE: 11/11/11
 DIV./DIST. ENGR. R.E. NO. 11111

SPRING ST. RECONSTRUCTION BET. 1ST ST. AND 9TH ST.
 W.O. 71849

SCALES HORIZ. 1"=20' VERT. 1"=4'
 SHEET 4 INDEX NUMBER D-27762

THIS PLAN AND SPECIFICATIONS ARE THE PROPERTY OF THE CITY OF LOS ANGELES AND WILL BE RETURNED TO THE CITY OF LOS ANGELES UPON THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF LOS ANGELES AND THE CALIFORNIA DEPARTMENT OF TRANSPORTATION AND PUBLIC UTILITIES.

29X

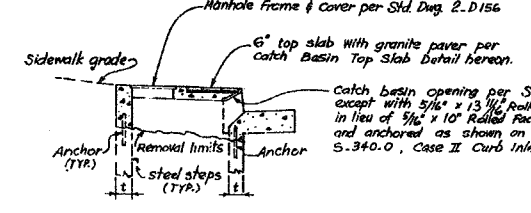


CONSTRUCTION NOTES

1. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH ANY WORK.
2. INSTALL 4" x 4" x 1 1/2" GRANITE PAVES AS SHOWN ON PLANS. GRANITE BY RAYMOND GRANITE CO. OR EQUAL. COLORS OF GRANITE ARE SPECIFIED HEREON.
3. CARE WILL BE TAKEN WHEN REMOVING EXISTING GRANITE CURBS WHICH ARE TO BE SAVED OR RESTORATION OF OTHER HISTORIC SITES IN THE CITY. EXISTING TREE WELL GRATING COVERS WHICH ARE IN GOOD CONDITION ARE ALSO TO BE SAVED FOR FURTHER USE AT OTHER LOCATIONS. SEE SPECIAL PROVISIONS FOR THE SALVAGE, STORAGE AND DELIVERY OF THESE ITEMS.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF BASEMENTS WHENEVER BASEMENTS ARE SHOWN CLOSE TO PROPOSED TREE WELLS OR SIDEWALKS. THIS SHALL BE DONE BY DRILLING A SMALL HOLE THROUGH THE SIDEWALK AT THE EDGE OF THE TREE WELL OR PROPOSED EDGEBAND. ONLY PAVES AT THE EDGE IS HORIZONTAL WITH THE BASEMENT. IF SIDEWALK IS NOT HORIZONTAL WITH THE BASEMENT, REMOVE SIDEWALK CAREFULLY AND INSTALL PAVES ADJUST THICKNESS OF MORTAR BASE (1/2" MIN.) AS NECESSARY.
5. PAVES SAMPLES ARE TO BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
6. THE CONTRACTOR SHALL FINISH THE INSTALLATION OF ONE PAVE PATTERN PER TYPICAL TREE WELL COVER PLAN AND OBTAIN APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION OF OTHERS (CALL 485-2423 FOR INSPECTION).
7. MORTAR FOR PAVE SETTING BED SHALL BE CLASS "E" AS SPECIFIED IN SUBSECTION 201.5.1 OF STANDARD SPECIFICATIONS, TO WHICH 1/2 TO 3/4 PART HYDRATED LIME OR LIME PUTTY HAS BEEN ADDED AS SPECIFIED IN SUBSECTION 202-1.5.1.

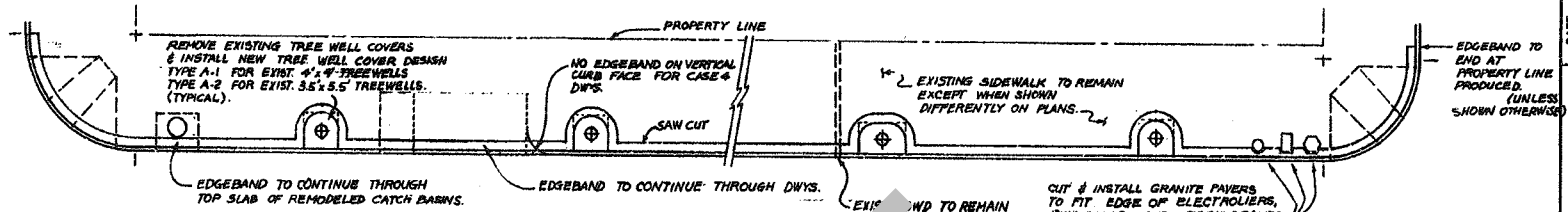
8. TREE WELL FRAME AND GRATING: FABRICATION AND COATING SHALL BE PER STANDARD PLAN S-455-2. SHAPE, DIMENSIONS AND ANCHORAGE DETAILS ARE AS SHOWN ON THIS SHEET. THE STEEL GRATING SHALL BE ALHAMBRA FOUNDRY CO. OR EQUAL. ONLY TREE GUARDS.
9. EXISTING TREE ROOTS MAY BE TRIMMED AS NEEDED UNDER THE SUPERVISION OF STREET TREE DIVISION (CALL 485-5675). WHERE CALLED FOR IN THE PLAN, FICUS NITIDA 24" BOX SIZE ARE TO BE PLANTED IN TREE WELLS PER STD S-486-0 AND PROTECTED WITH 2'-2" DIA. GALVANIZED STEEL PIPE PER METHOD B, SECTION 306-16.2 OF STD SPECIFICATIONS.
10. CONSTRUCT TRANSVERSE EXPANSION JOINTS AT INTERVALS OF 15' ALONG THE EDGEBAND ADJACENT TO THE CURBS, AT JUNCTION WITH CATCH BASINS OR OTHER STRUCTURES, AND AT TOP OF 1" OF DWYS. THE EXPANSION JOINTS SHALL EXTEND THROUGH THE CONCRETE SLAB, MORTAR BASE AND GROUT JOINTS, AND SHALL BE SEALED WITH TYPE "A" SEALANT PER SECT. 201.34 OF STANDARD SPECS FOR P.W. CONST.

11. PAVE PLACEMENT ON EXISTING CATCH BASINS:

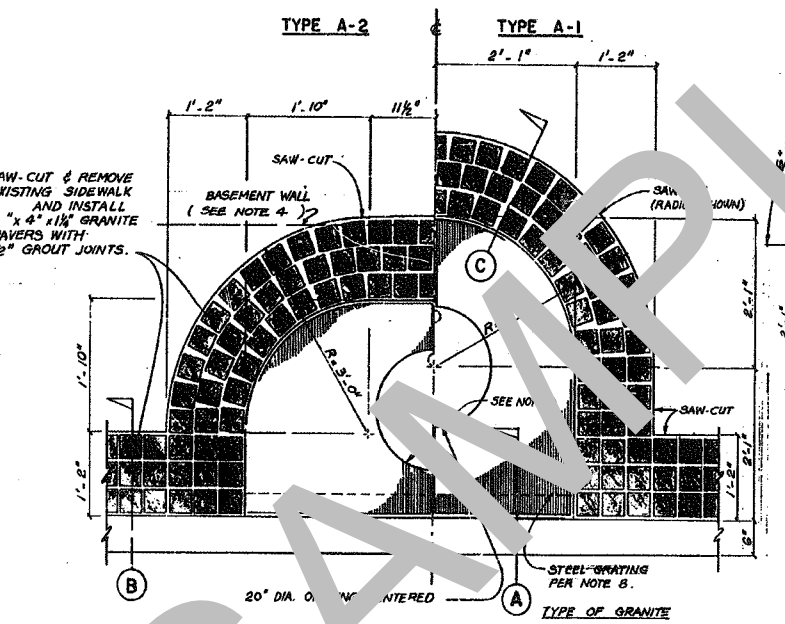


- LACFD CATCH BASIN REMODELING**
NO SCALE
- (1) REMODEL LACFD CATCH BASIN PER NOTES ON STANDARD PLAN S-343-0 EXCEPT AS OTHERWISE SHOWN HEREON, AND PER APPLICABLE LACFD STD. DWGS. IN LIEU OF PER CITY STD. PLANS CALLED FOR THEREON.
 - (2) LACFD STD. DWGS.

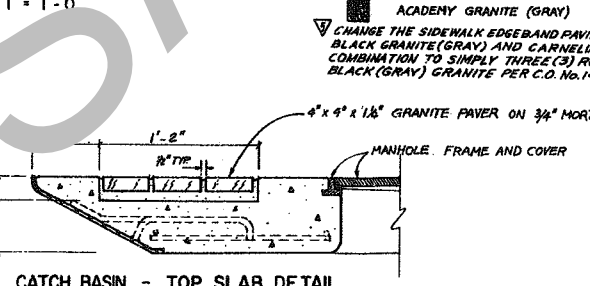
| | |
|------------|--|
| 2-D 96 | STANDARD DROP STEP |
| 2-D156 | MANHOLE FRAME & COVER FOR CATCH BASINS |
| 2-D157 | CATCH BASIN REINFORCEMENT FOR ROUND MANHOLES |
| 2-D160 | CATCH BASIN NO. 1 |
| 2-D163 | CATCH BASIN NO. 3 |
| 2-D171 | STANDARD A-615 REINFORCING BARS |
| 2-D175 | REMOVABLE PROTECTION BAR FOR CATCH BASINS |
| 2-D232 | DETAIL OF CATCH BASIN OPENING |
| 2-D264 | ADJUSTABLE PROTECTION BAR STIRRUP |
| 2-D249.1&2 | CATCH BASIN NIB |



TYPICAL SIDEWALK PLAN
NO SCALE

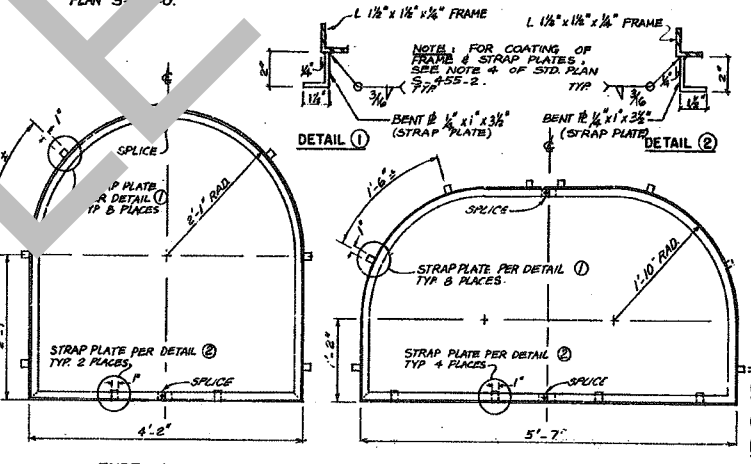


TYPICAL TREE WELL COVER - PLAN
1" = 1'-0"

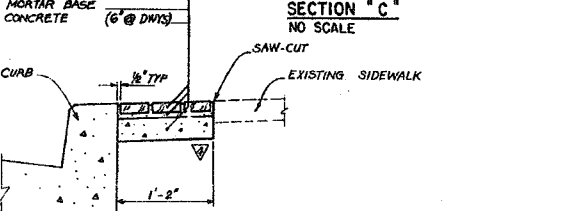
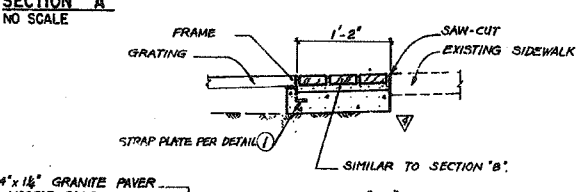
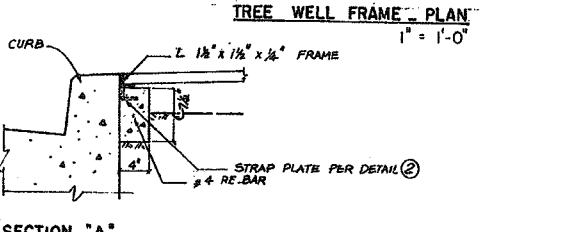


CATCH BASIN - TOP SLAB DETAIL
NO SCALE

12. VERIFY ALL EXISTING TREE SIZES AND LOCATIONS (POSITION OF EXISTING TREES VARY). PROVIDE SHOP DRAWINGS FOR ALL STEEL TREE WELL GRATINGS AND FRAMES. SUBMIT SHOP DRAWINGS TO THE CITY ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
13. DRAIN OUTLETS THROUGH CURB - EXISTING CURB DRAINS UNDER SIDEWALK SHALL BE REMODELED AS NECESSARY USING APPROPRIATE DRAIN SIZES AND NECESSARY LENGTHS. LENGTHS SHOWN ON THESE PLANS FOR SIDEWALK DRAIN REMODELING ARE APPROXIMATIONS FOR ESTIMATING PURPOSES ONLY. INDIVIDUAL LENGTHS REQUIRED MAY VARY SUBSTANTIALLY. ALL SIDEWALK DRAIN CONSTRUCTION/REMODELING NECESSARY, WHETHER OR NOT INDICATED IN THESE PLANS, WILL BE PAID FOR IN ACCORDANCE WITH THE CONTRACTOR'S UNIT BID PRICE. THIS PRICE INCLUDES ALL COST NECESSARY TO CONSTRUCT/REMODEL A DRAIN THROUGH THE CURB.



TREE WELL FRAME - PLAN
1" = 1'-0"



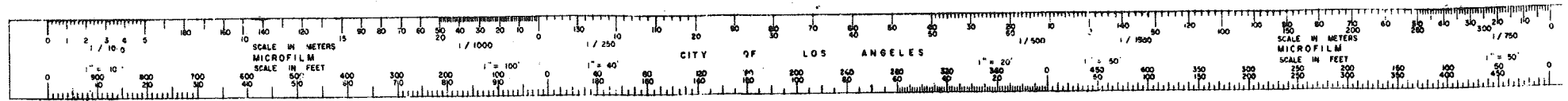
SECTION "B"
NO SCALE

SECTION "C"
NO SCALE

SPRING ST RECONSTRUCTION BET. 1ST ST. AND 9TH ST.
W.O. 71849

| | |
|-------------------------------|----------|
| DESIGNED | DATE |
| DRAWN | DATE |
| CHECKED | DATE |
| SUPERVISED | DATE |
| PROJECT ENGR. | R.E. NO. |
| ASST. DIV. ENGR. | R.E. NO. |
| CITY OF LOS ANGELES | |
| ROBERT S. HORII CITY ENGINEER | |
| DATE | |
| DIV./DIST. ENGR. R.E. NO. | |

Additional street/sidewalk plans on sheet 15, 16, 17, & 18.



TERRAZZO SPECIFICATIONS

(FOR C.O. NO. 10 & 53)

A. MATERIALS

- WHITE PORTLAND CEMENT SHALL BE WHITE, WATERPROOF AND FREE OF STAINING SALTS.
- SAND SHALL BE CLEAN, SHARP, DURABLE, WELL WASHED, FREE FROM ORGANIC MATTER, SALT, SILICA OR OTHER DELETERIOUS MATTER AND SHALL BE SUITABLY GRADED FROM COURSE TO FINE.
- MARBLE ABRASIVE SHALL BE CLEAN, HARD, DENSE DOMESTIC MARBLE CHIPS OF NO. 1 AND NO. 2 SIZE NO FINE ABRASIVE AND SAND SHALL BE USED. ALL MARBLE CHIPS SHALL HAVE GOOD WEATHERING CHARACTERISTICS.
- ABRASIVE APPROPRIATE SHALL CONSIST OF ALUMINUM OXIDE (ALUMINA) GRAINS, NATURAL IN COLOR, EMPLOYED FIRST PASSING A NO. 16 SEVE TO THAT RETAINED ON A NO. 36 SEVE, AND SILICONE CARBIDE (CARBORUNDUM) GRAINS GRADED INTO TWO SIZES AS FOLLOWS: A) THOSE PASSING A NO. 18 SEVE TO THAT RETAINED IN A NO. 24 SEVE, B) THAT PASSING A NO. 100 SEVE TO THAT RETAINED IN A NO. 200 SEVE.
- GRINDING STRIPS SHALL BE 2 IN. HEAVY TOP, 1/4 IN. WIDE BY 1 1/2 IN. DEEP WITH A 1/2 IN. BEVEL ON THE BASE. ALL GRINDING STRIPS SHALL BE FINALLY FASTENED TO THE BONDING MORTAR IN SUCH A MANNER TO PREVENT ANY SPRINGING AT THE JOINTS.
- ROOFING FELT SHALL WEIGH NOT LESS THAN 15 POUNDS PER SQUARE.
- UNDERBED REINFORCING SHALL BE 16 GAUGE 4" X 4" MESH GALVANIZED WIRE.
- TERRAZZING AND PREPARATION

ALL WORK SHALL BE PERFORMED BY SKILLED WORKMEN IN STRICT ACCORDANCE WITH THE HIGHEST STANDARDS OF THE TRADE AND IN ACCORDANCE WITH DRAWINGS.

ALL SURFACES TO RECEIVE TERRAZZO WORK SHALL BE THOROUGHLY CLEANED BEFORE THE INSTALLATION OF TERRAZZO.

C. INSTALLATION

- BASE**
THE CONCRETE BASE SHALL CONSIST OF 520-C-2500 CONCRETE NOT LESS THAN 3 INCHES THICK. THE SURFACE OF THE CONCRETE BASE SHALL BE REASONABLY TRUE AND LEVEL AND NOT LESS THAN 1/2 INCHES BELOW THE FINISHED SIDEWALK ELEVATION. THE CONCRETE BASE SHALL BE CONTINUED WHERE BASEMENT STRUCTURAL SLABS EXTEND UNDER THE SIDEWALK AREA.
- UNDERBED REINFORCING**
THE SAND UNDERBED SHALL THEN BE COVERED WITH A LAYER OF 15 LB. ROOFING FELT JOINTS OVERLAPPING 2 INCHES AND OVER WHICH WIRE REINFORCEMENT SHALL BE PLACED WITH JOINTS OVERLAPPING 1 1/2 INCHES.
- MORTAR UNDERBED**
THE MORTAR UNDERBED SHALL CONSIST OF ONE PART PURE PORTLAND CEMENT AND FOUR PARTS COURSE SAND (1-4) BY VOLUME, MIXED TO STIFF CONSISTENCY WITH NOT MORE THAN SIX GALLONS OF WATER PER 100 LBS. CEMENT, THEN FILL IN AND WORKED TO A COMPACT BODY OF NOT LESS THAN 1 1/8 INCHES IN THICKNESS WITH A TRUE SURFACE 5/8 INCHES BELOW THE PROPOSED FINISH GRADE OF THE SIDEWALK.
- METAL DIVIDERS AND DECORATIVE UNITS**
WHILE THE MORTAR UNDERBED IS STILL IN A SEMIPLASTIC STATE, ALL METAL DIVIDERS SHALL BE INSTALLED. ALL METAL DIVIDERS SHALL HAVE A FINISH ELEVATION THAT IS FLUSH WITH THE FINISH SIDEWALK SURFACE AND SHALL BE PLACED TO ACCURATELY CONFORM TO THE DESIGN PATTERN SHOWN ON THE PLANS.
- TERRAZZO TOPPING**
WHEN THE MORTAR UNDERBED HAS SUFFICIENTLY SET TO WITHSTAND ROLLING, BUT IN NO INSTANCE LATER THAN 48 HOURS AFTER INSTALLATION, THE VARIOUS TERRAZZO TOPPING MIXTURES SHALL BE PLACED IN THE SPACES FORMED BY THE DIVIDING STRIPS. PRIOR TO THE INSTALLATION OF THE TERRAZZO TOPPING, THE MORTAR UNDERBED SHALL BE GIVEN A WASH OF NEAT OIL AND WATER. THE TERRAZZO TOPPING SHALL NOT BE LESS THAN 5/8 INCH THICK TO CONFORM WITH METAL DIVIDERS AND OF A UNIFORM MIXTURE OF THREE PARTS OF PORTLAND CEMENT AND FIVE PARTS MARBLE CHIPS BY VOLUME WITH COLORING PIGMENT ADDED TO THE DRY MIXTURE WITH FOUR POUNDS OF ABRASIVE MATERIAL PER 100 LBS. OF CEMENT. MORTAR SHALL NOT EXCEED 1/4 GALLONS PER 100 LBS. OF CEMENT. THE TERRAZZO SHALL BE MIXED WITH WHITE PORTLAND CEMENT AND SHALL CONTAIN 100% WHITE MARBLE CHIPS. THE ABRASIVE MATERIAL USED IN THE TERRAZZO SHALL BE CREAM COLOR ALUMINUM OXIDE. THE EXACT PROPORTIONS OF ALL INGREDIENTS FOR THE TOPPING MIX SHALL BE AS NECESSARY TO MATCH EXISTING TERRAZZO.
- SURFACING**
THE TOPPING MIX SHALL BE STRUCK OFF LEVEL WITH THE TOPS OF THE DIVIDER STRIPS BY SCREEDING AND LIGHT TROWELLING AND ADDITIONAL MARBLE CHIPS AMOUNTING TO 150 LBS. TO 100 SQUARE FEET OF SURFACE IN THE SAME PROPORTION AS THOSE USED IN THE ORIGINAL MIX. TOGETHER WITH 25 POUNDS OF NO. 36 SEVE TO 100 SQUARE FEET OF SURFACE SHALL BE SPREAD OVER THE TOPPING EFFECTING A FINISHED SURFACE OF NOT LESS THAN ONE PART ABRASIVE TO FOUR PARTS MARBLE CHIPS. THE ABRASIVE MATERIAL USED IN THIS PHASE OF INSTALLATION SHALL BE ALUMINUM OXIDE. CREAM COLOR SHALL BE USED IN THE TERRAZZO.
AFTER SEEDING, THE TOPPING SHALL BE ROLLED LENGTHWISE AND CROSSWISE THREE TIMES WITH STONE OR METAL ROLLERS. THE FIRST ROLLING SHALL BE DONE WITH A MEDIUM WEIGHT ROLLER AND SHALL BE CONTINUED UNTIL ALL SEEDING MATERIAL IS THOROUGHLY REBLENDED AND COVERED. THIS ROLLING SHALL BE FOLLOWED WITH A LIGHT TROWELLING. THE SECOND ROLLING SHALL BE DONE WITH A HEAVY ROLLER AND THE TOPPING SHALL BE SPRINKLED DURING THIS OPERATION UNTIL ALL LATENT AND EXCESS CEMENT IS BROUGHT TO THE TOP. THIS EXCESS MATERIAL SHALL BE BROOMED OFF TO CLEAR THE SURFACE. THE THIRD ROLLING SHALL BE DONE WITH A HEAVY ROLLER AND THE SURFACE SHALL BE GIVEN A FINAL TROWELLING.
- CURING**
THE TERRAZZO SHALL BE KEPT MOIST, PROTECTED AND CURED FOR NOT LESS THAN FIVE DAYS BEFORE BEING GROUND AND POLISHED. THE SURFACE SHALL BE COMPLETELY COVERED WITH NON-STAINING PAPER OR SHALL BE CURED AND PROTECTED BY OTHER MEANS SATISFACTORY TO THE INSPECTOR THAT WILL EFFECTIVELY PREVENT EVAPORATION OF THE MIXING WATER DURING THE CURING PERIOD.
- GRINDING**
WHEN THE TERRAZZO HAS HARDENED SUFFICIENTLY TO PREVENT DISLODGE OF THE ABRASIVE, THE SURFACE SHALL BE GROUND TRUE TO THE PLANS OF THE SIDEWALK SHOWN ON THE DRAWINGS BY MEANS OF AN APPROVED MACHINE SHOD WITH FREE, RAPID CUTTING CARBORUNDUM STONES. THE INITIAL GRINDING SHALL BE WITH NO. 24 STONE AND FOLLOWED WITH NO. 60 STONE. THE SURFACE SHALL BE KEPT WET DURING THE GRINDING PROCESS. MATERIAL GROUND OFF SHALL BE REMOVED WITH A SQUEEGEE AND BY FLUSHING WITH WATER. UNACCESSIBLE AREAS SHALL BE HAND GROUND AND HONED.

D. FINISHING

IMMEDIATELY FOLLOWING THE GRINDING, WHILE THE WALK IS STILL SATURATED WITH WATER, A LIGHT BRUSHING OF NEAT CEMENT OF THE SAME KIND AND COLOR AS THE ORIGINAL MIXTURE SHALL BE APPLIED TO THE SURFACE FILLING ALL HOLES. THE GROUTED SURFACE SHALL BE PROTECTED AS ABOVE FOR A PERIOD OF NOT LESS THAN 72 HOURS. THE SURFACE SHALL THEN RECEIVE A FINAL GRINDING BY MACHINE TO REMOVE THE EXCESS GROUT AND CEMENT FILM AND GIVE THE SURFACE A POLISH. THE ABRASIVE STONE SHALL NOT BE COARSER THAN NO. 60 GRIT. ALL SURFACES SHALL BE BROUGHT TO A UNIFORM COLOR TEXTURE AND SHALL BE SMOOTH AND CLEAN. THE SURFACE SHALL NOT DEVIATE MORE THAN 1/8 INCH FROM THE PROPOSED FINISHED SIDEWALK GRADE. THE SURFACES SHALL BE THOROUGHLY WASHED WITH WATER AND ALL SURPLUS MATERIALS SHALL BE REMOVED.

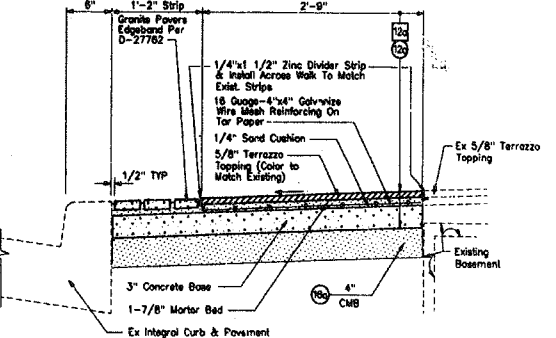
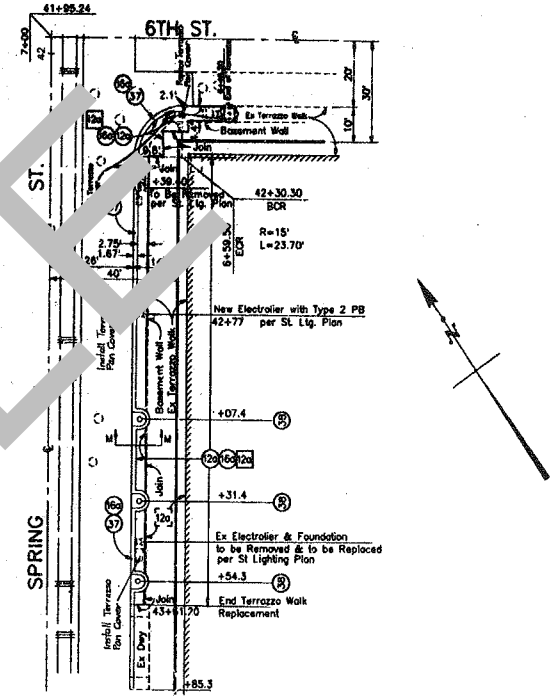
10. SEAL COAT

AS SOON AFTER THE FINISH CLEANING HAS BEEN COMPLETED AS ABOVE DESCRIBED AND THE TERRAZZO HAS DRIED, APPLY CRYSTAL SEAL TO THE SIDEWALK SURFACE, TAKING CARE TO KEEP THE WALK WET. A BRUSH OR CLOTH MAY BE USED TO SPREAD THE DRESSING DRESSING CAN BE ABSORBED. KEEP THE SIDEWALK ENTIRELY FREE OF TRAFFIC UNTIL THOROUGHLY DRY.

CONSTRUCTION NOTES AND STANDARD PLANS FOR THIS PROJECT

| | | | |
|---|-----------|---|--|
| ○ | CONSTRUCT | ○ | REMODEL EXISTING |
| □ | EXISTING | ○ | REMOVE & CONSTRUCT |
| □ | REMOVE | | Information on leader if other than standard |

| No. | CONSTRUCTION ITEM | Stand. Plan No. |
|-----|--|-----------------|
| 12a | Terrazzo Sidewalk Per Detail On Sheet 2 Of C.O. No. 53 | |
| 16a | Crushed Macadamous Base Material | |
| 37 | Edgeland For Detail On Sheet 8 Of D-27762 | |
| 38 | Traveled Cover Per Detail On Sheet 8 Of D-27762 | |



**TYPICAL SECTION M-M
TERRAZZO SIDEWALK**
(Not to Scale)

| | |
|-----------------------|------|
| DESIGNED | DATE |
| DRAWN | |
| CHECKED | |
| PROJECTED | |
| ASST. DM./DIST. ENGR. | |

This sheet added per Change Order No. 53

| | |
|-----|------|
| NO. | DATE |
| | |
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| | |

CITY OF LOS ANGELES
ROBERT S. HORN
CITY ENGINEER

DATE: _____ 19__

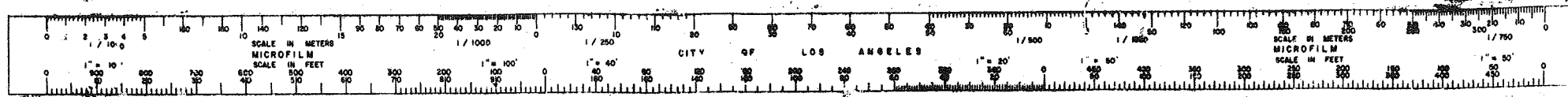
DM./DIST. ENGR. R. E. NO.

SPRING STREET RECONSTRUCTION BETWEEN 1ST STREET AND 9TH STREET
W.O. EXX71849

SCALE: HORIZ. 1" = 40', VERT. 1" = 20'

SHEET 15 INDEX NUMBER D-27762

20X

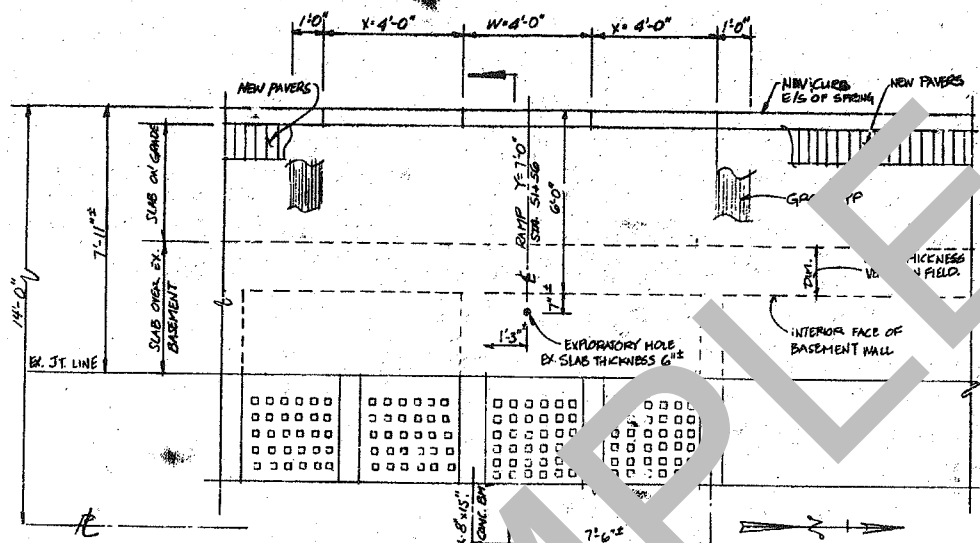


NOTICE TO CONTRACTOR

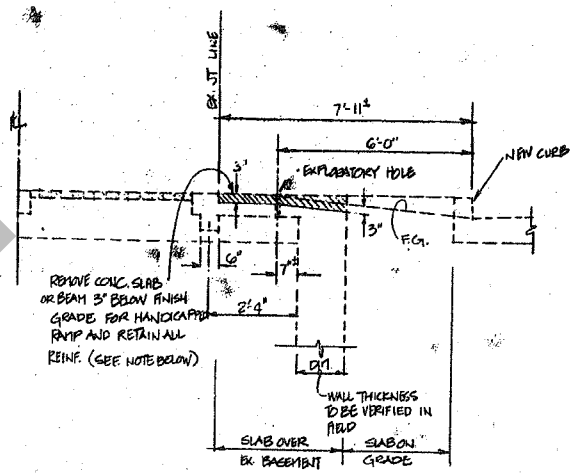
1. ALL CONCRETE SHALL BE CLASS 300-B3000
2. ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60
3. CONTRACTOR SHALL BURIED CURBS IN THE REMOVAL OF CONCRETE AROUND EXISTING I-BEAMS.
4. CONTRACTOR SHALL CLEAN ALL EXISTING I-BEAMS PRIOR TO RECONSTRUCTION.
5. ALL EXISTING REINF. SHALL BE RETAINED AND BURIED INTO NEW CONCRETE
6. MAKE A CHECK ONE-INCH PREP AT THE JOINT LINE AND REMOVE THE CONC. WITH A CHIPPING HAMMER IN A CAREFUL MANNER.

DESIGN DATA

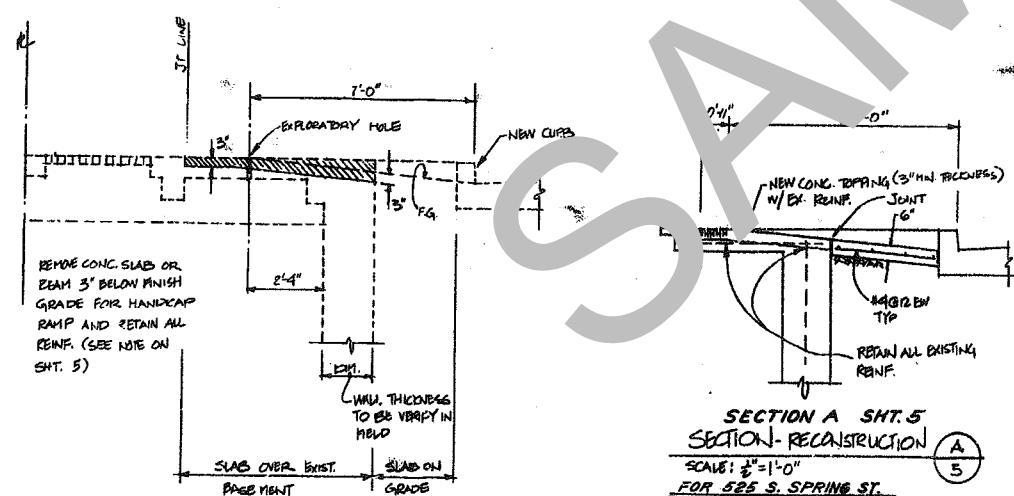
L.L. = 200 PSF
P.L.O.D. = 2K



CURB RAMP PLAN - 726 SPRING ST.
SCALE: 1/2" = 1'-0"



SECTION - DEMOLITION (A-5)
SCALE: 3/8" = 1'-0"
CURB RAMP - 726 S. SPRING ST.
PER C.O. No. 5
C.O. No. 5, SHT. 10



SECTION A SHT. 5 (A-5)
SECTION - RECONSTRUCTION
SCALE: 3/8" = 1'-0"
FOR 525 S. SPRING ST.
C.O. No. 12, SHT. 5
AND
FOR 726 S. SPRING ST.
C.O. No. 5, SHT. 10

SECTION - DEMOLITION
FOR 525 S. SPRING ST.
NOTE FOR RECONSTRUCTION SEE
SECTION A ON SHT. 5 TO THE RIGHT
C.O. No. 12, SHT. 6

| | |
|----------------------------------|--|
| DATE | |
| DESIGNED | |
| DRAWN | |
| CHECKED | |
| SUPERVISED | |
| PROJECT ENGINEER | |
| REGISTERED PROFESSIONAL ENGINEER | |
| NO. | |
| REVISION DESCRIPTION | |
| DATE | |
| BY/CHK. ENG. | |
| DATE | |
| BY/CHK. ENG. | |

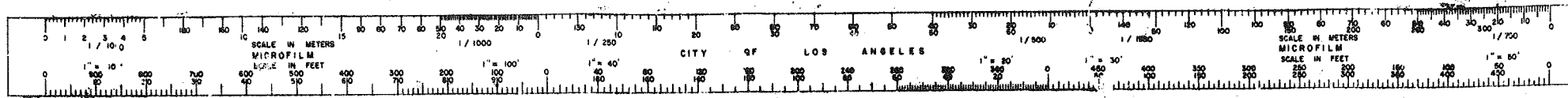
This sheet added per Change Order No. 5 & 12

SPRING STREET RECONSTRUCTION BETWEEN 1ST STREET TO 9TH STREET W.O. EXX71849

L.C.E. INDEX. SCALES: HORIZ. 1" = 100' VERT. 1" = 40' SHEET 16 INDEX NUMBER D-27762

CITY OF LOS ANGELES
CITY ENGINEER
ROBERT S. HOPE
DATE: _____
BY/CHK. ENG.: _____



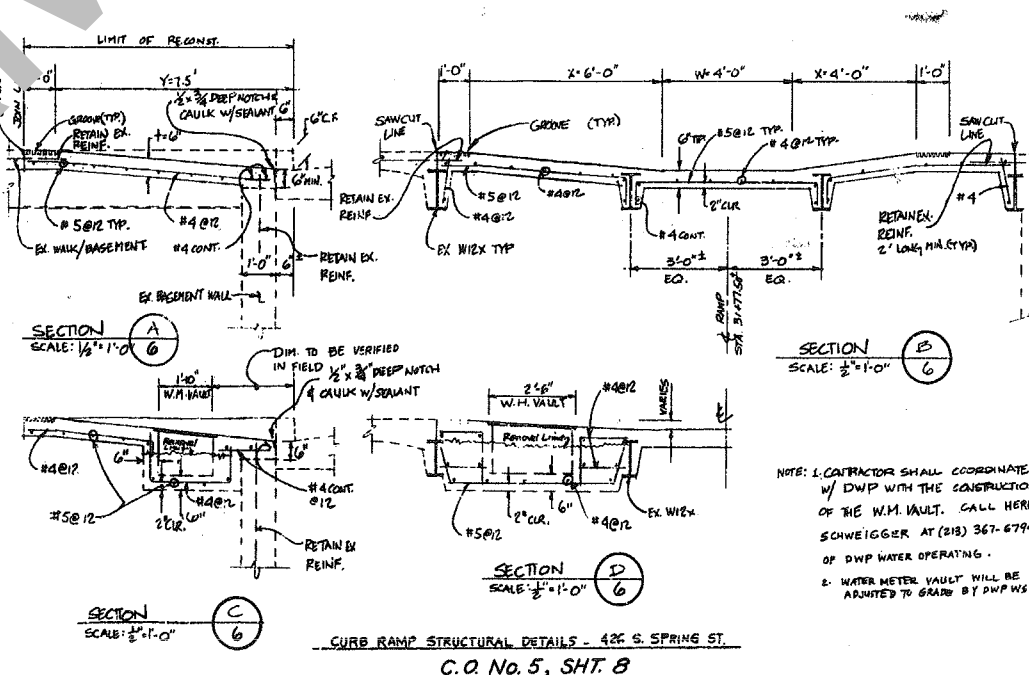
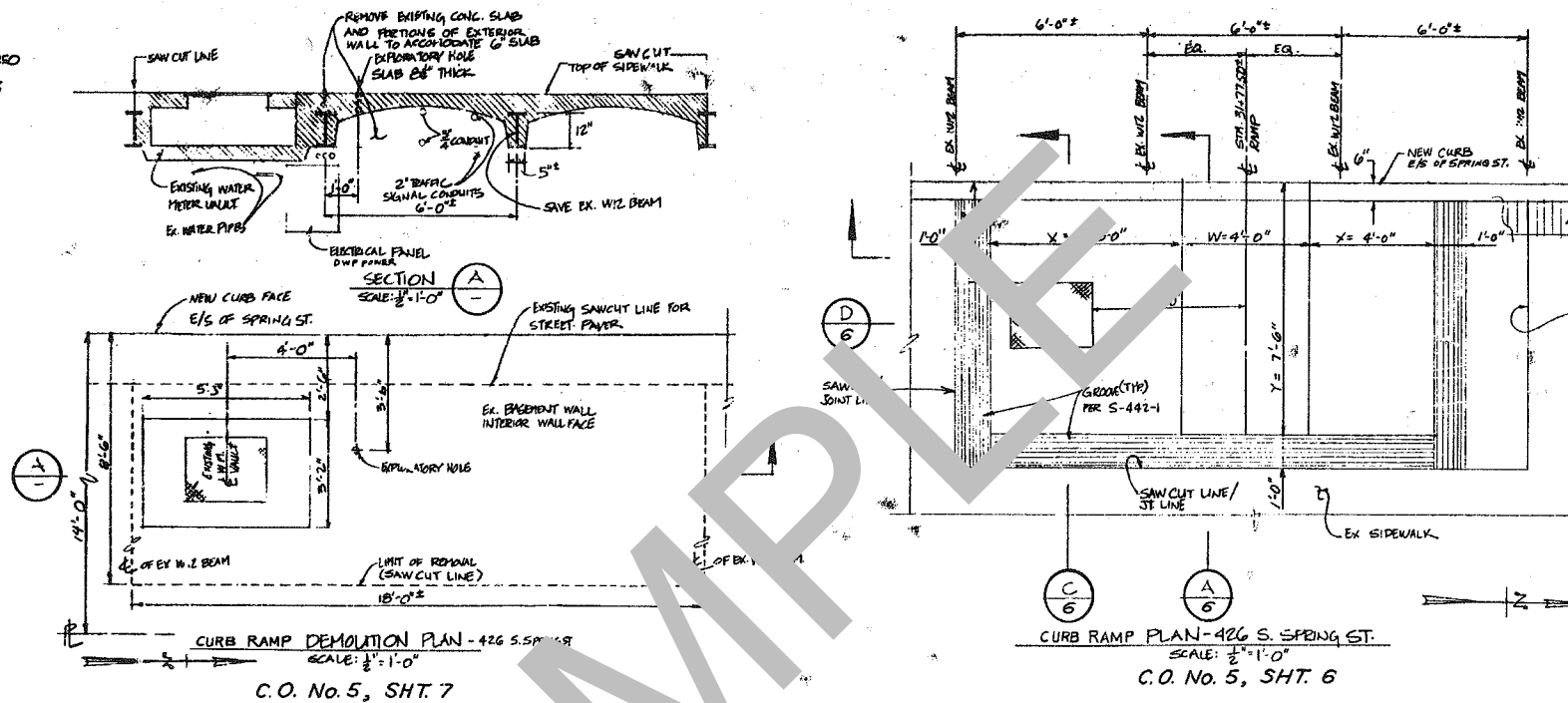


NOTICE TO CONTRACTOR

1. ALL CONCRETE SHALL BE CLASS 5000-B-3500
2. ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60
3. CONTRACTOR SHALL EXERCISE CARE IN THE REMOVAL OF CONCRETE AROUND EXISTING I-BEAMS
4. CONTRACTOR SHALL CLEAN ALL EXISTING I-BEAMS PRIOR TO RECONSTRUCTION
5. ALL EXISTING REINF. SHALL BE RETAINED AND EMBEDDED INTO NEW CONCRETE
6. MAKE A SAWCUT ONE-INCH DEEP AT THE REMOVAL LINE AND REMOVE THE CONC. WITH A CHIPPING HAMMER IN A CAREFUL MANNER.

DESIGN DATA

L.L. = 300 PSF
P. LOAD = 2K



NOTE: 1. CONTRACTOR SHALL COORDINATE W/ DWP WITH THE CONSTRUCTION OF THE W.M. VAULT. CALL HERB SCHWEIGGER AT (213) 367-6794 OF DWP WATER OPERATING.
2. WATER METER VAULT WILL BE ADJUSTED TO GRADE BY DWP WS.

| | |
|--------------------|------|
| DESIGNED | DATE |
| DRAWN | |
| CHECKED | |
| SUPERVISED | |
| PROJECT ENGINEER | |
| ASSISTANT ENGINEER | |
| R. E. NO. | |
| P. E. NO. | |

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|--|-------------|
| This sheet added per Change Order No. 51 | |
| NO. | DESCRIPTION |
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| | |
|---------------------|------|
| CITY OF LOS ANGELES | DATE |
| ROBERT S. MORI | |
| CITY ENGINEER | |
| | |
| | |

29X