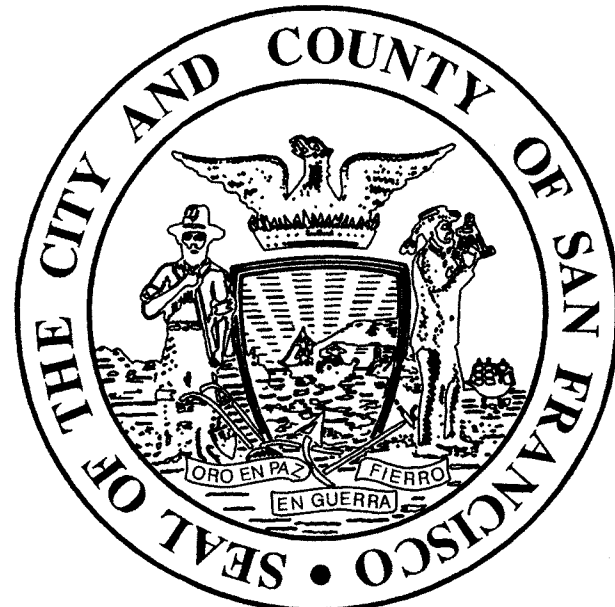
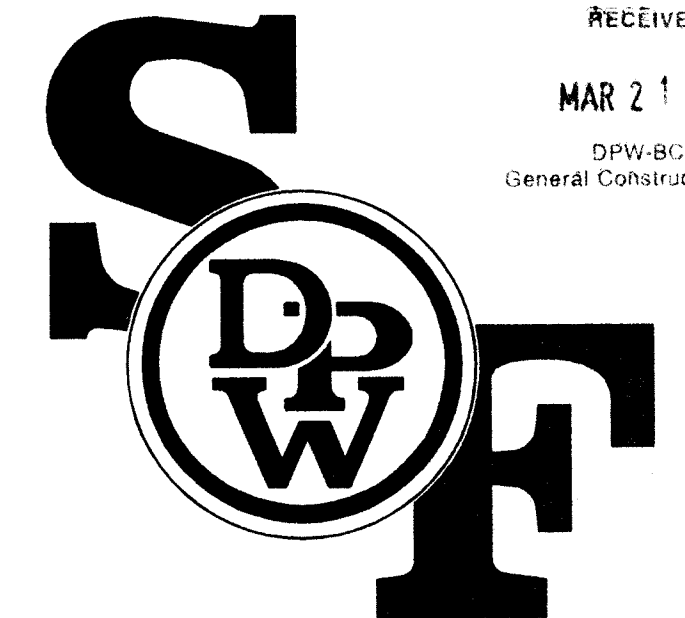




City and County of San Francisco
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

AS BUILT
Signed: *[Signature]*

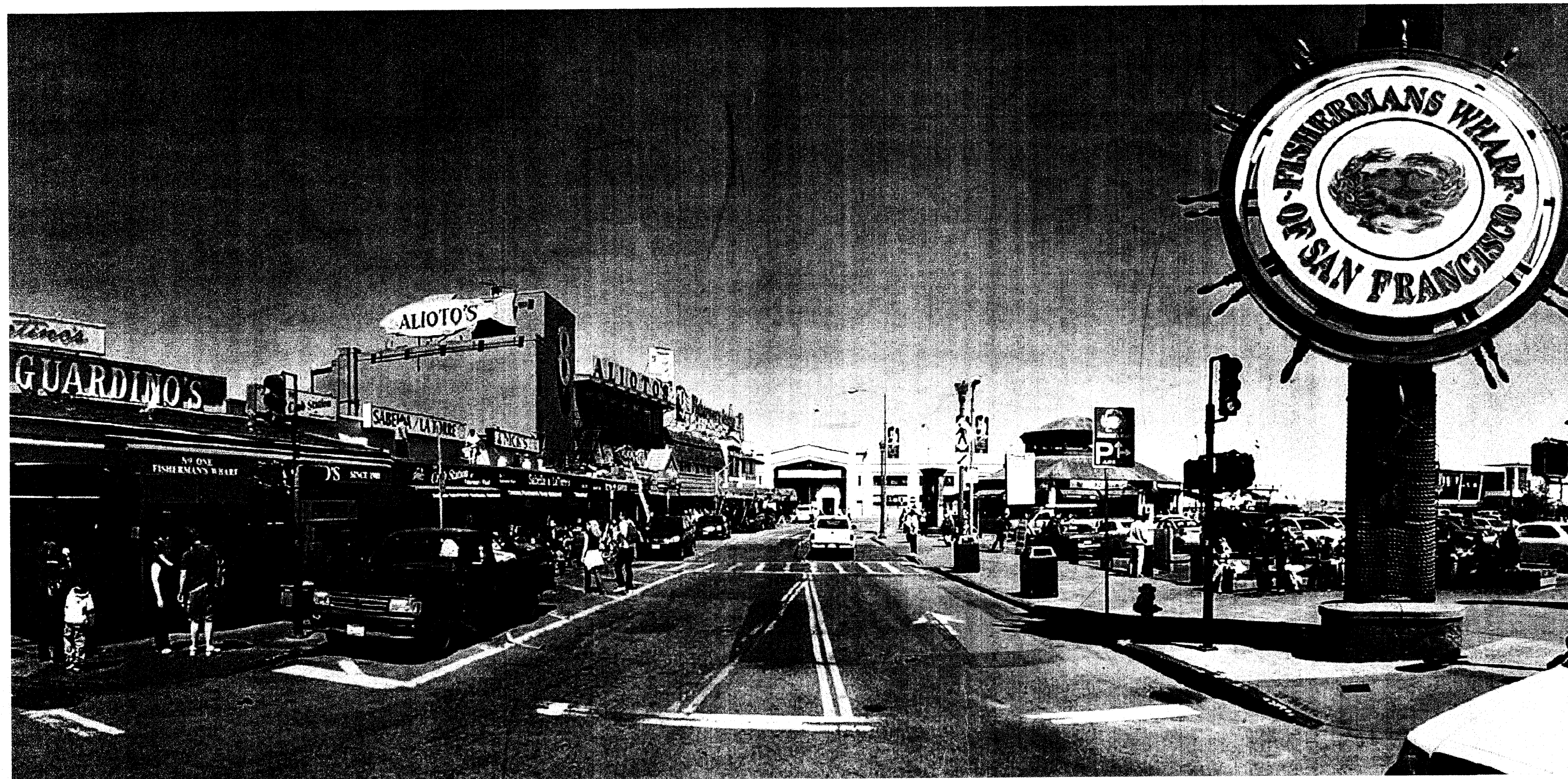


RECEIVED
MAR 21 2011
DPW-BCM
General Construction Svcs

Edward D. Reiskin
Director

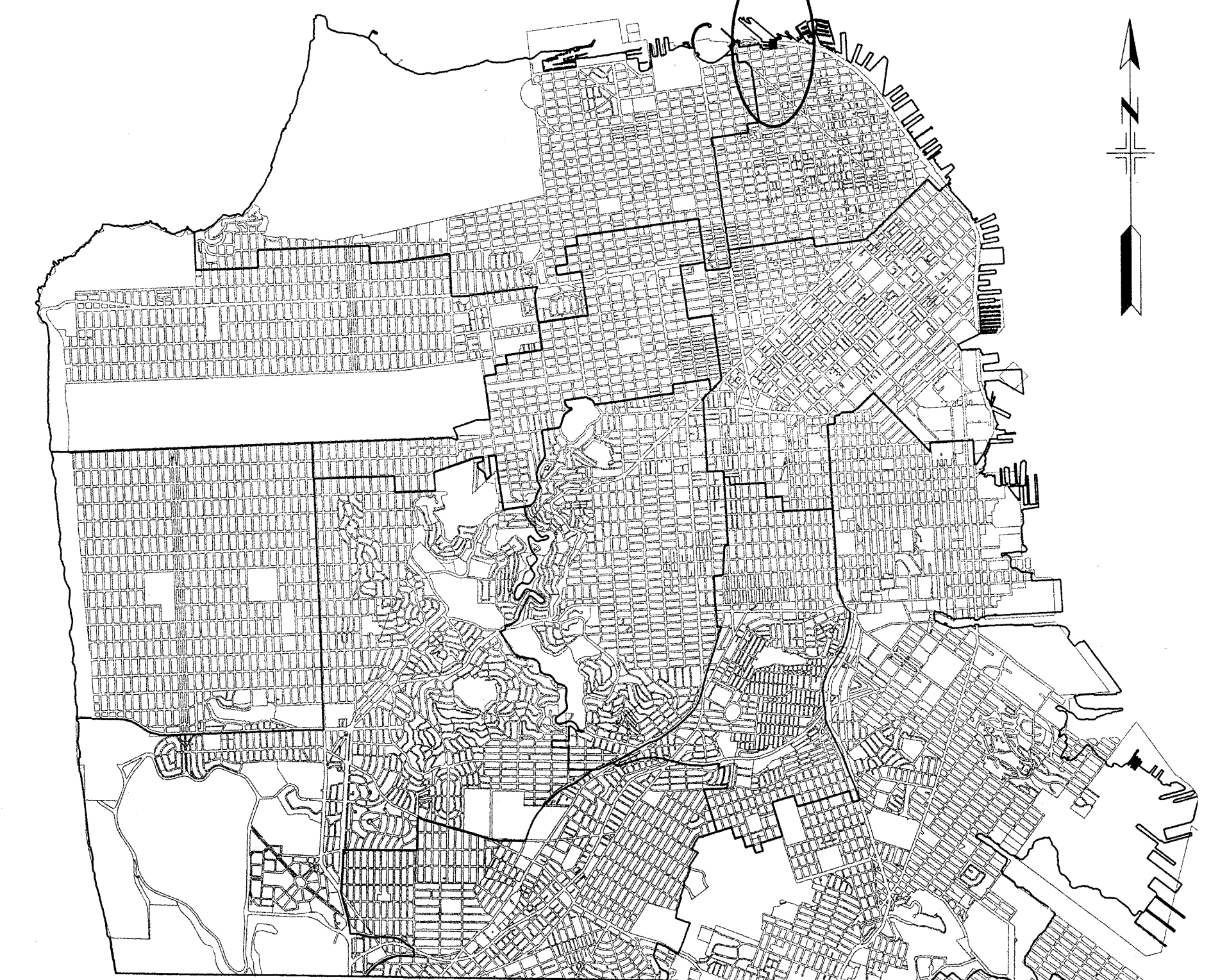
Fuad S. Sweiss, PE, PLS
City Engineer & Deputy Director for Engineering

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET
CONTRACT NO. 1498J



PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
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INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
[Signature]

TAYLOR STREET
AT THE FISHERMAN'S WHARF



LOCATION MAP

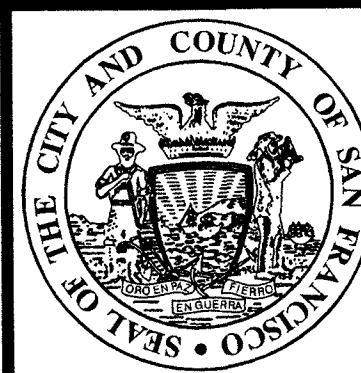
CONFORMED SET

JUNE 2009

NO.	DATE	DESCRIPTION	BY	APP.

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED	DATE	APPROVED	DATE
T. CLAVERIA	6/09	<i>[Signature]</i>	6-26-09
DRAWN	DATE	SECTION MANAGER	DATE
T. CLAVERIA	6/09	<i>[Signature]</i>	6-29-09
CHECKED	DATE	DEPUTY BUREAU MANAGER	DATE
ETK	6/09	<i>[Signature]</i>	6/20/09
		CITY ENGINEER	

SCALE
NONE
SHEET OF SHEETS

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET

COVER SHEET

CONTRACT NO.
1498J
DRAWING NO.
FILE NO.
REV. NO.

Spec. 1498 ADD'S SUBMITTAL
Taylor Street Improvements
The Embarcadero to
Jefferson Street
B-6

AS BUILT
Signed: *[Signature]*

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[Signature]
SIGNED-INSPECTOR

INDEX OF DRAWINGS

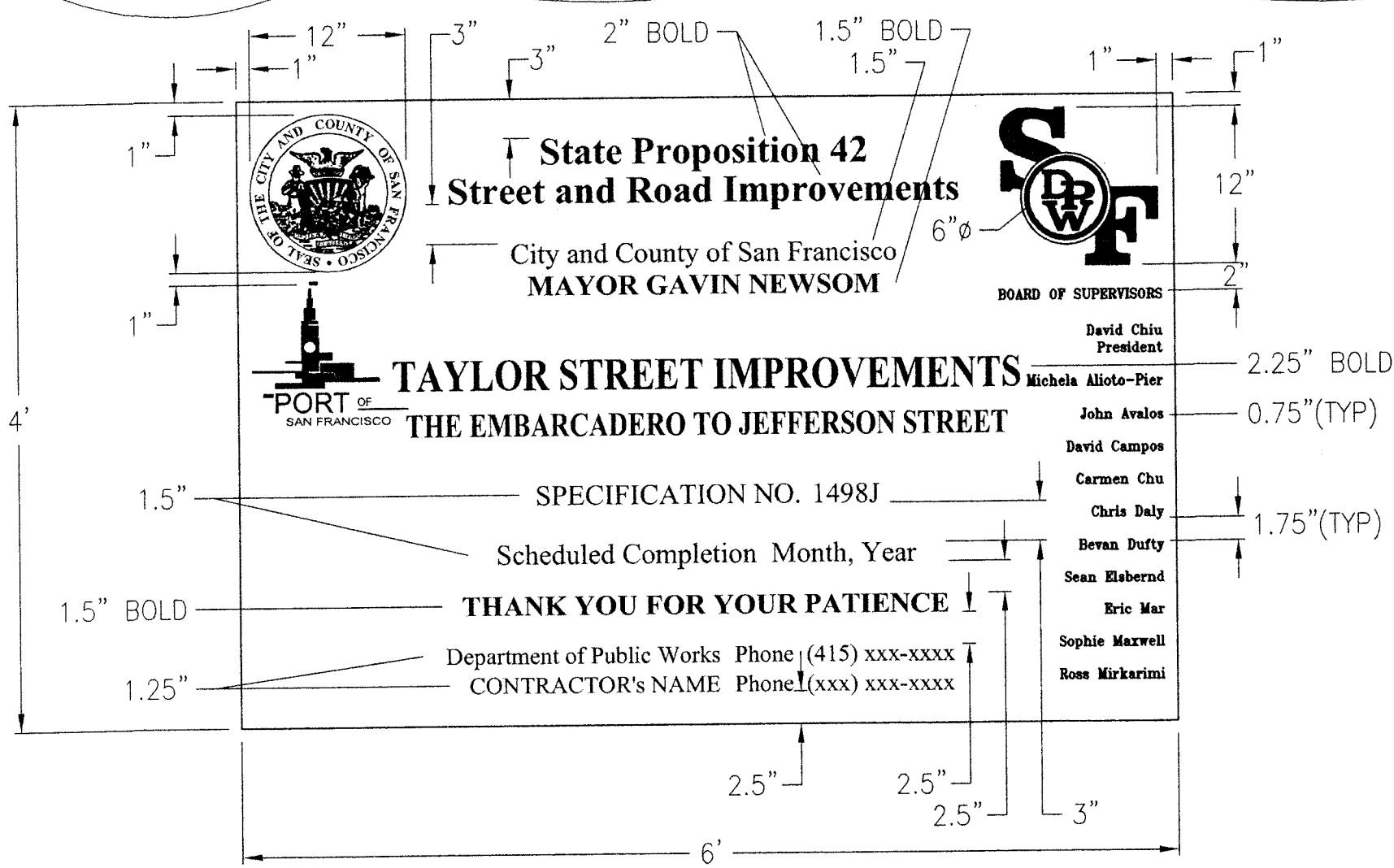
DRAWING NO.	DPW FILE NO.	DRAWING TITLE
GENERAL		
G-1	89,937	INDEX OF DRAWINGS, PROJECT SIGN, VICINITY MAP AND REQUIREMENTS TO BIDDERS
ROADWAY WORK		
R-1	89,938	LEGEND, ABBREVIATIONS AND GENERAL NOTES
R-2	89,939	TAYLOR STREET - THE EMBARCADERO - PAVEMENT PLAN
R-3	89,940	TAYLOR STREET - THE EMBARCADERO - PAVEMENT PLAN
R-4	89,941	TAYLOR STREET - THE EMBARCADERO TO JEFFERSON STREET - PAVEMENT PLAN
R-5	89,942	TAYLOR STREET - JEFFERSON STREET - PAVEMENT PLAN
R-6	89,943	TYPICAL CROSS SECTIONS
R-7	89,944	TAYLOR STREET - THE EMBARCADERO - CURB RAMP DETAILS
R-8	89,945	MID BLOCK TAYLOR STREET - CURB RAMP DETAILS TAYLOR STREET - JEFFERSON STREET - CURB RAMP DETAILS
SK-1112/AE-001.2.3		STOREFRONT AND CRABPOT SHIELDS

DRAWING NO.	DPW FILE NO.	DRAWING TITLE
SEWER WORK		
SW-1	89,946	LEGEND, ABBREVIATIONS, GENERAL NOTES AND DETAILS
SW-2	89,947	SEWER PLAN AND PROFILE
SW-3	89,948	DETAILS AND 6" DIP LAYOUT PLAN
U-1	89,949	UTILITY OCCUPANCY
WATER WORK		
WD-1	89,950	LEGEND, ABBREVIATIONS AND GENERAL NOTES
WD-2	89,951	8" DUCTILE IRON WATER MAIN INSTALLATION
ELECTRICAL WORK		
E-1	89,952	LEGEND, ABBREVIATIONS AND GENERAL NOTES
E-2	89,953	ELECTRICAL DEMOLITION PLAN
E-3	89,953.1	ELECTRICAL DEMOLITION PLAN
E-4	89,954	ELECTRICAL PLAN
E-5	89,954.1	ELECTRICAL PLAN
E-6	89,955	ELECTRICAL DETAILS
TRAFFIC SIGNAL WORK		
TS-1	89,956	TRAFFIC SIGNAL LEGEND - SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
TS-2	89,956.1	TRAFFIC SIGNAL MODIFICATIONS - TAYLOR STREET AND JEFFERSON STREET
TS-3	89,956.2	TRAFFIC SIGNAL PULLBOX DETAIL, TYPE I-IV PULL BOX, COVER AND CONDUIT
STR-7025		SIGNAL HEAD MOUNTINGS

DRAWING NO.	DPW FILE NO.	DRAWING TITLE
TRAFFIC ROUTING WORK		
T-1	89,957	CONSTRUCTION PHASING PLAN - PHASE 1
T-2	89,958	CONSTRUCTION PHASING PLAN - PHASE 2
T-3	89,959	CONSTRUCTION PHASING PLAN - PHASE 3
STR-7695		DETAILS FOR DELINEATORS, CHANNELIZERS AND BARRICADES
STR-7696		PEDESTRIAN CROSSWALKS THROUGH CONSTRUCTION ZONES
FORCE MAIN WORK (ALTERNATE BID ITEM NO. 1)		
FM-1	89,960	LEGEND, ABBREVIATIONS AND GENERAL NOTES
FM-2	89,960.1	TAYLOR STREET FORCE MAIN WITH BORE AND JACK, PLAN AND PROFILE
FM-3	89,960.2	CASING, TRENCHING AND CLEANOUT DETAILS
FM-4	89,960.3	10" FORCE MAIN CONNECTION AND CONCRETE COLLAR DETAILS
U-2	89,961	UTILITY TRENCHING RESULTS
U-3	89,961.1	UTILITY TRENCHING RESULTS
U-4	89,961.2	UTILITY TRENCHING RESULTS
A-38,341.1		RELOCATE 30" DIAMETER FORCE MAIN AT JEFFERSON STREET AND TAYLOR STREET

REQUIREMENTS TO BIDDERS

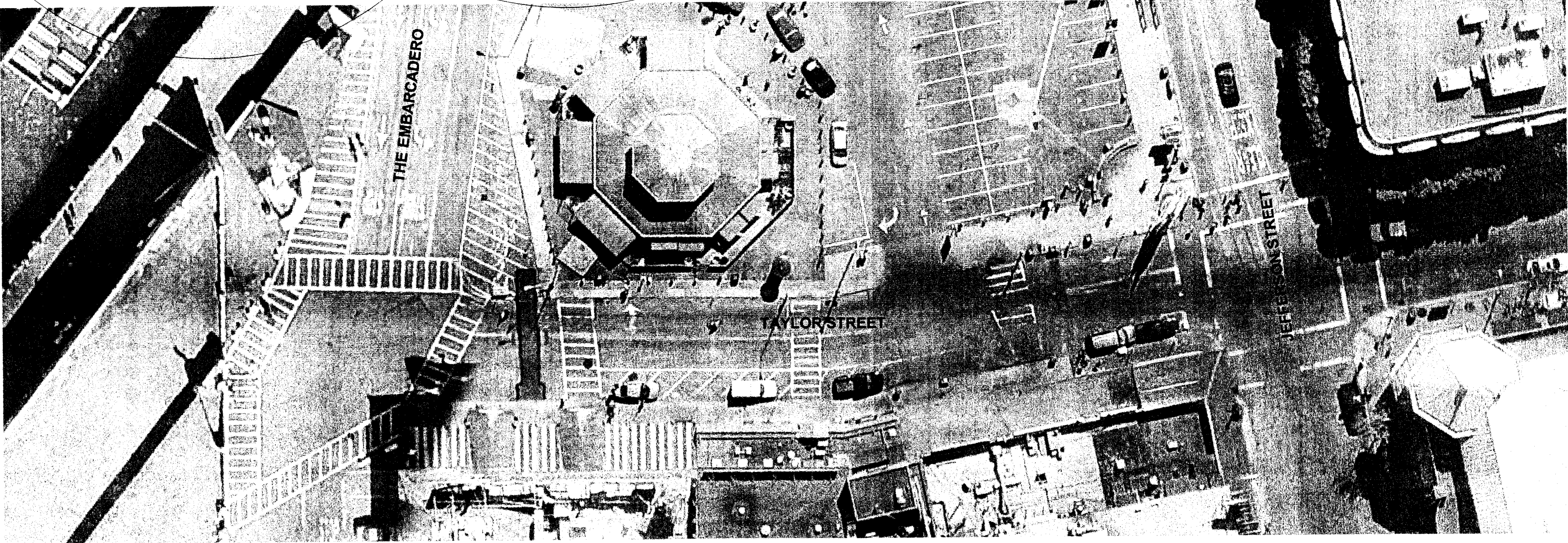
- IN ACCORDANCE WITH THE PROVISIONS OF THE CALIFORNIA PUBLIC CONTRACT CODE SECTION 3300, A BID SUBMITTED TO A PUBLIC AGENCY BY A CONTRACTOR WHO IS NOT LICENSED IN ACCORDANCE WITH CHAPTER 9 OF THE BUSINESS AND PROFESSIONS CODE SHALL BE CONSIDERED NON-RESPONSIVE AND SHALL BE REJECTED BY THE PUBLIC AGENCY.
- AT THE TIME OF BID OPENING, THE CONTRACTOR SHALL POSSESS A VALID CLASS "A" CALIFORNIA GENERAL ENGINEERING CONTRACTOR'S LICENSE.



PROJECT SIGN

NOTES:

- FONTS SHALL BE AS SHOWN: TIMES ROMAN OR COMPARABLE FONT.
- BACKGROUND IS WHITE, AND SUPPORT (NOT SHOWN) SHALL BE PAINTED WHITE.
- SIGN AND SUPPORT SHALL HAVE ANTI-GRAFFITI FINISH.
- ALL TEXTS AND THE CITY LOGO ARE BLUE COLOR.
- DPW LOGO: THINNER OUTSIDE CIRCLE AND LETTERS D, P AND W ARE ORANGE COLOR; LETTERS S AND F, AND THE THICKER INNER CIRCLE ARE BLUE COLOR.
- ALL OTHER DIMENSIONS NOT SHOWN, SUCH AS SPACING BETWEEN LINES OF TEXT, SHALL BE SCALED APPROPRIATELY.
- THE CONTRACTOR SHALL VERIFY THE NAMES OF BOARD MEMBERS, CONTACT PHONE NUMBERS, AND PROJECT COMPLETION MONTH AND YEAR PRIOR TO CONSTRUCTING PROJECT SIGN.
- THE CONTRACTOR'S PHONE CONTACT SHALL BE ACCESSIBLE 24 HOURS A DAY, 7 DAYS A WEEK.

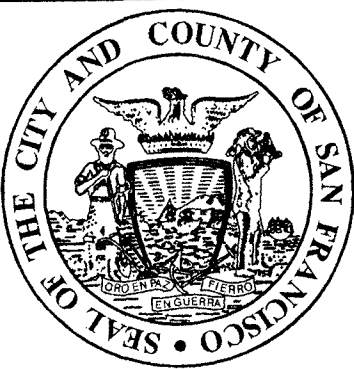


VICINITY MAP

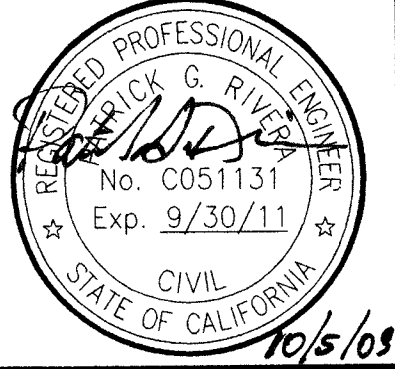
SEE DRAWING FILE NO. 89,937 REV. 0 FOR ORIGINAL MANAGERS' SIGNATURES

NO.	DATE	DESCRIPTION	BY	APP.
10/5/09		ADDENDUM NO. 2	TC	PR
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

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& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



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T. CLAVERIA	6/09		
DRAWN	DATE	SECTION MANAGER	DATE
T. CLAVERIA	6/09		
CHECKED	DATE	DEPUTY BUREAU MANAGER	DATE
E. KJELSBURG	6/09		
		CITY ENGINEER	DATE

SCALE
NONE
SHEET OF SHEETS
1 OF 39

TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET
INDEX OF DRAWINGS, PROJECT SIGN VICINITY MAP AND REQUIREMENTS TO BIDDERS

CONTRACT NO. 1498J
DRAWING NO. G-1
FILE NO. 89,937
REV. NO. 1

AS-BUILT
Signed: *[Signature]*

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[Signature]
SIGNED INSPECTOR

LEGEND

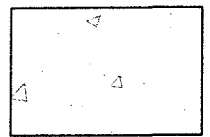
ABBREVIATIONS



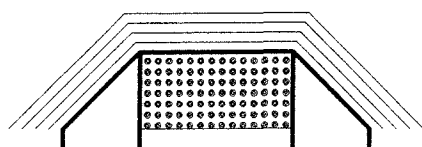
APPROXIMATE AREA TO BE RECONSTRUCTED WITH 3-INCH THICK MINIMUM OF ACWS ON 8-INCH THICK CONCRETE BASE.



CONSTRUCT COMBINED 6-INCH WIDE CONCRETE CURB AND 2-FOOT WIDE CONCRETE GUTTER.



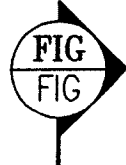
APPROXIMATE AREA OF 3-1/2-INCH THICK CONCRETE SIDEWALK TO BE RECONSTRUCTED.



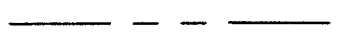
CURB RAMP TO BE CONSTRUCTED WITH 12-INCH WIDE GROOVED BORDERS (WARNING BANDS) AND CAST-IN-PLACE DETECTABLE SURFACE TILES (TRUNCATED DOMES)

FIG
FIG

TOP OF CURB OR SIDEWALK OR PAVEMENT ELEVATION
GUTTER OR CATCHBASIN ELEVATION



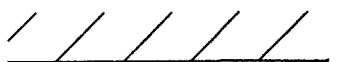
SECTION NO./DETAIL IDENTIFICATION
REFERENCE DRAWING NO.



EXISTING BACK OF SIDEWALK



MATCH LINE



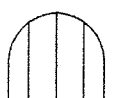
CONFORM LINE



EXISTING BARBARY COAST PLAQUE



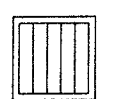
EXISTING CATCHBASIN TO BE ABANDONED



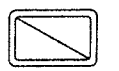
EXISTING CATCHBASIN TO REMAIN



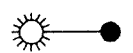
NEW CATCHBASIN



EXISTING DRAIN



EXISTING ELECTRIC PULL BOX



EXISTING ELECTROLIER



EXISTING LOW-PRESSURE OR HIGH-PRESSURE FIRE HYDRANT



EXISTING FIRE VALVE



EXISTING GAS METER



EXISTING GAS VALVE



EXISTING BOLLARD/GUARD POST



EXISTING LIGHT POLE



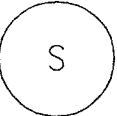
EXISTING PG&E MANHOLE



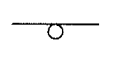
EXISTING POWER POLE



EXISTING SEWER CLEANOUT



EXISTING SEWER MANHOLE



EXISTING SIGN POLE



EXISTING SURVEY BENCHMARK



EXISTING SURVEY CONTROL POINT



EXISTING TRAFFIC SIGNAL



EXISTING TELEPHONE PULLBOX



EXISTING WATER METER



EXISTING WATER VALVE

ACWS

ASPHALT CONCRETE WEARING SURFACE

BC

BEGINNING OF HORIZONTAL CURVE

BLDG

BUILDING

BM

BENCHMARK

BRK

GRADE BREAK

BVC

BEGINNING OF VERTICAL CURVE

C1

CURVE 1

C

CURB

CB

CATCHBASIN

CL

CENTER LINE

CO

CLEANOUT

DWG

DRAWING

DWY

DRIVEWAY

(E)

EXISTING

EC

END OF HORIZONTAL CURVE

ELEV

ELEVATION

EVC

END OF VERTICAL CURVE

FA

FIRE ALARM

FIG

FIGURE

G

GUTTER

GHP

GUTTER HIGH POINT

HP

HIGH-PRESSURE

LP

LOW-PRESSURE

MH

MANHOLE

(N)

NEW

PA

PORT AUTHORITY

PC

POINT OF CURVATURE

PI

POINT OF INTERSECTION

PT

POINT OF TANGENT

PVI

POINT OF VERTICAL INTERSECTION

PVC

POINT OF VERTICAL CURVE

REF PT

REFERENCE POINT

STA

STATION

TYP

TYPICAL

VC

VERTICAL CURVE

GENERAL NOTES

- ENTERING INTO THIS CONTRACT WITH THE CITY INDICATES THAT THE CONTRACTOR HAS VISITED THE SITE, IS FAMILIAR WITH THE EXISTING CONDITIONS AND REVIEWED SAME WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL CONTRACT DOCUMENTS AND FIELD CONDITIONS, AND FOR CONFIRMING THAT THE WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE CITY BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
- THE CONTRACTOR SHALL VERIFY EXISTING FACILITIES IN THE FIELD, WHETHER OR NOT THEY ARE SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF CONFLICTS BETWEEN DRAWINGS PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
- THE CONTRACTOR IS RESPONSIBLE FOR WORKING AROUND AND PROTECTING ALL EXISTING FACILITIES ADJACENT TO THE WORK AREA. THESE FACILITIES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: CABLE CAR TRACKS, TREES, LANDSCAPING, HYDRANTS AND UTILITY POLES.
- THE THICKNESS OF THE NEW ASPHALT CONCRETE WEARING SURFACE (ACWS) SHALL BE **THREE (3)** INCHES MINIMUM UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- CURB GRADE SHALL BE SIX (6) INCHES ABOVE THE ADJACENT PAVEMENT GRADE OR GUTTER GRADE UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- WRITTEN DIMENSIONS SHALL GOVERN. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK.
- WHEN EXISTING AND NEW ELEVATIONS ARE GIVEN FOR THE SAME POINT, THE CONTRACTOR SHALL CONSTRUCT TO NEW ELEVATIONS. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THE EXISTING ELEVATIONS ARE FOR INFORMATION ONLY.
- STANDARD DETAILS AND INFORMATION SHALL BE USED FOR ALL APPLICABLE CASES UNLESS SHOWN OR OTHERWISE INDICATED.

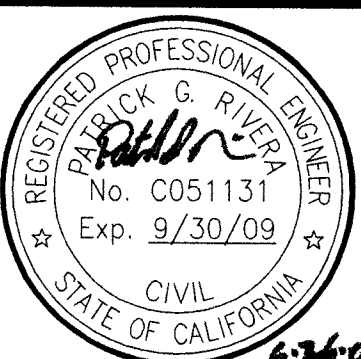
- CROSS SECTION CALL-OUTS ARE SHOWN ONLY ONCE ON THE DRAWINGS AND ARE TYPICAL FOR SIMILAR CONDITIONS UNLESS OTHERWISE INDICATED.
- EXISTING CATCH BASIN GRADE SHALL BE ADJUSTED IN THE FIELD TO CONFORM TO NEW GUTTER GRADE.
- THE LIMITS OF SIDEWALK RECONSTRUCTION SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL SAWCUT TO THE NEAREST FLAG/JOINT.
- ALL UTILITY VAULT AND PULL BOX COVERS WITHIN THE AREA OF SIDEWALK RECONSTRUCTION SHALL BE ADJUSTED TO NEW GRADE.
- THE 12-INCH WIDE GROOVED BORDERS (WARNING BANDS) ON CURB RAMPS SHALL NOT BE PART OF THE SLOPED RAMP AND WING SURFACES UNLESS OTHERWISE INDICATED.
- ANY POLES OR VERTICAL ELEMENTS INSTALLED OR RELOCATED NEAR FIRE HYDRANTS SHALL ADHERE TO THE FOLLOWING MINIMUM CLEARANCES: THE MINIMUM CLEARANCE BETWEEN A POLE OR VERTICAL ELEMENT TO A HIGH PRESSURE HYDRANT IS FIVE (5) FEET. THE MINIMUM CLEARANCE BETWEEN A POLE OR VERTICAL ELEMENT TO A LOW PRESSURE HYDRANT IS THREE (3) FEET.
- ALL CITY MONUMENTS MUST BE PROTECTED PER STATE LAND SURVEYORS ACT AND SPECIFICATION SECTION 01540 OF THE PROJECT MANUAL. CALL THE COUNTY SURVEYOR AT (415) 554-5833 TO REPORT ANY MONUMENTS IN DANGER OF DISTURBANCE, DESTRUCTION OR REMOVAL.
- IN THE EVENT COBBLESTONES ARE ENCOUNTERED IN ANY STREET UNDER CONSTRUCTION, THE CONTRACTOR SHALL REMOVE THEM FROM THE PROJECT SITE AS CITY PROPERTY. THE COBBLESTONES SHALL BE NEATLY AND SECURELY PLACED ON PALLETS SO THEY CAN BE MOVED ABOUT SAFELY AFTER DELIVERY. THE COBBLESTONES SHALL BE DELIVERED, INCLUDING OFF LOADING, TO THE LOWER LOT OF THE CESAR CHAVEZ STREET YARD AT 2323 CESAR CHAVEZ STREET OR WHERE DIRECTED BY THE ENGINEER WITHIN THE CITY OF SAN FRANCISCO. CONTACT LIZ LERMA AT (415) 641-2627, 48 HOURS PRIOR TO DELIVERY. THE CONTRACTOR SHALL CLEAN THE COBBLESTONES OF DIRT AND EXERCISE CARE IN TRANSPORTING THE COBBLESTONES SO AS TO MINIMIZE DAMAGE. SALVAGE, HAULING AND DELIVERY OF EXISTING COBBLESTONES TO THE DESIGNATED AREAS, FROM THE PROJECT SITE, SHALL BE DONE AS INCIDENTAL WORK.
- AT THE COMPLETION OF WORK, THE CONTRACTOR SHALL REMOVE ALL MARKS, STAINS AND BLEMISHES RESULTING FROM CONSTRUCTION OPERATIONS THROUGHOUT THE CONTRACT.

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED DATE
T.CLAVERIA 6/6/09
DRAWN DATE
T.CLAVERIA 6/6/09
CHECKED DATE
E.KJELSBERG 6/09

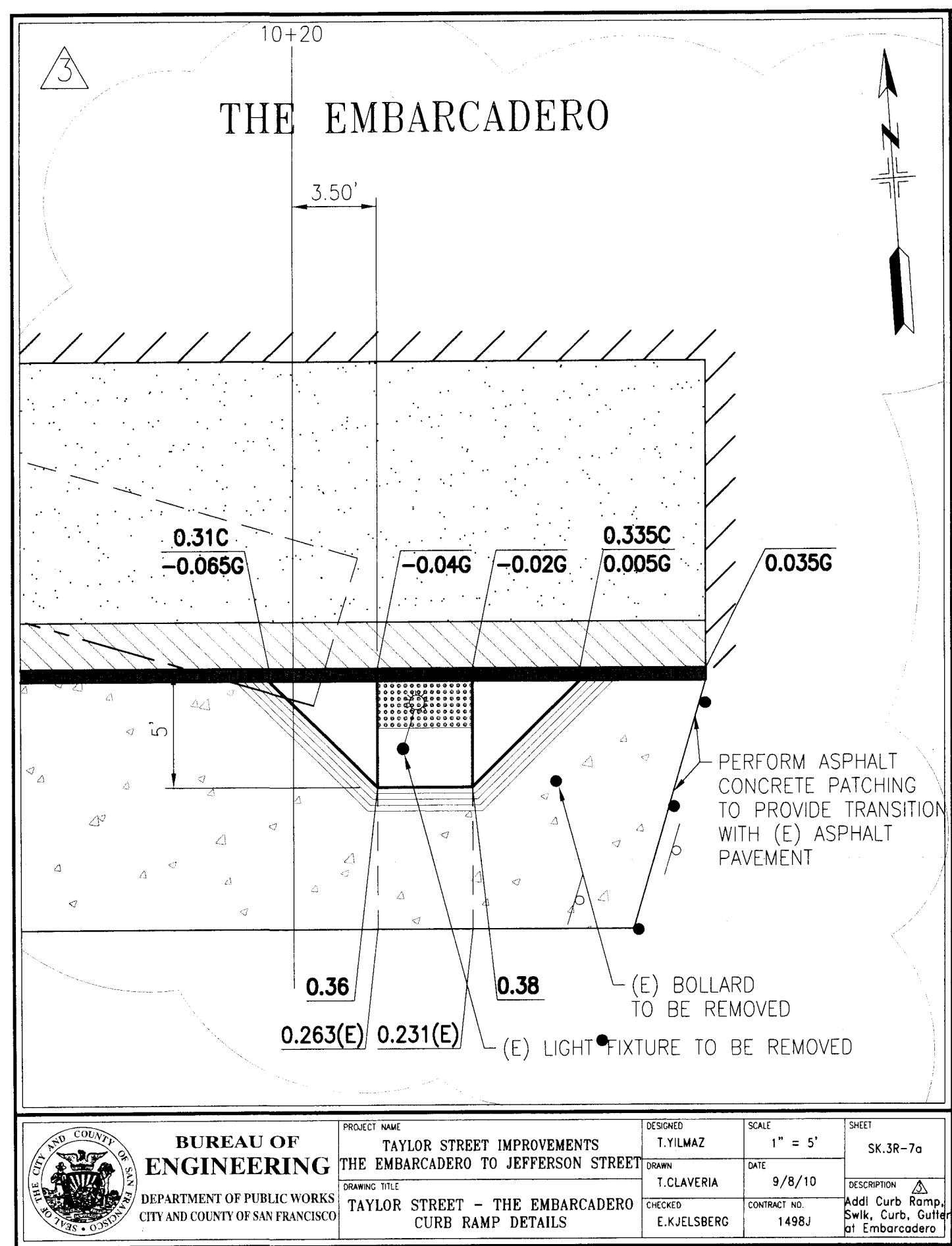
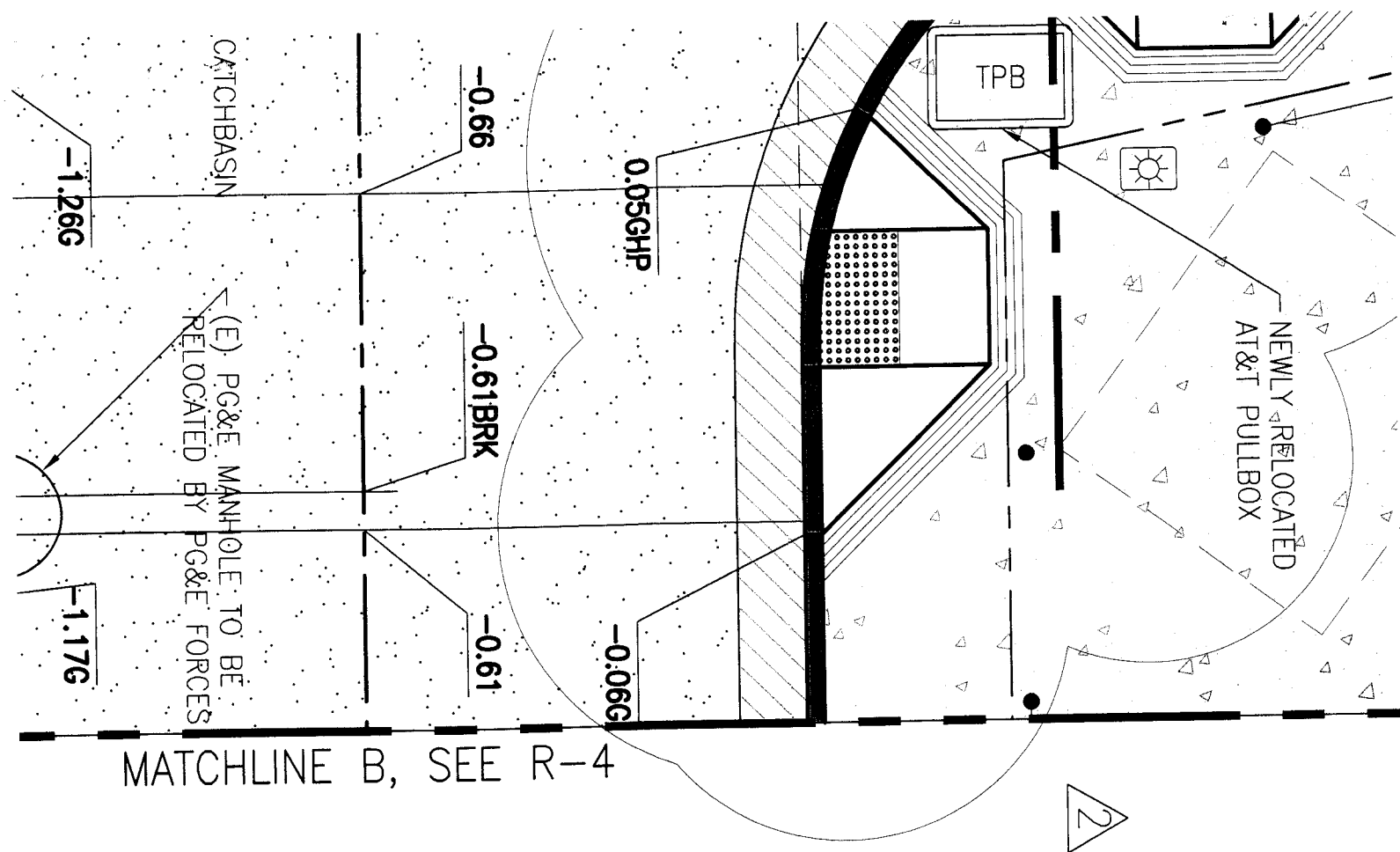
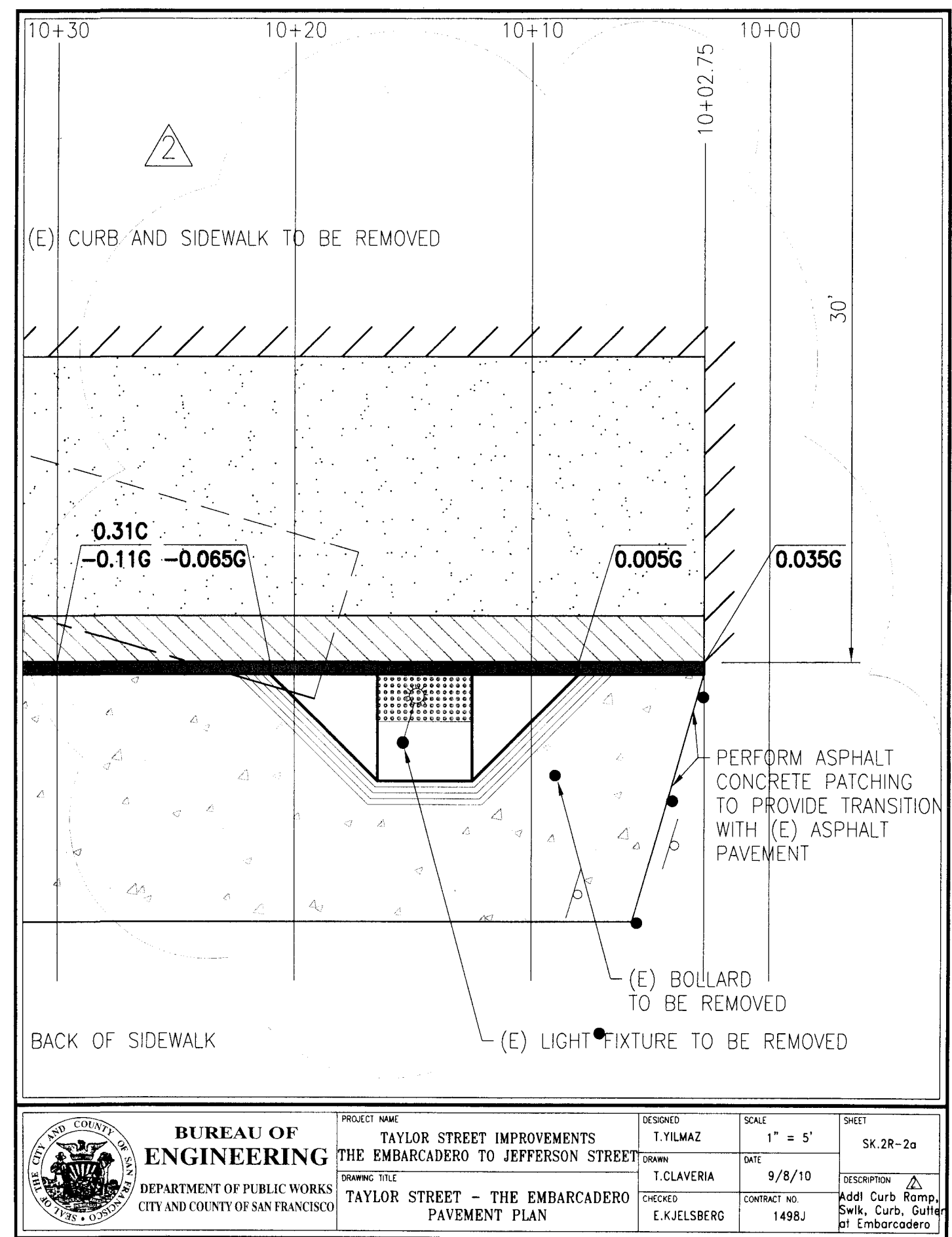
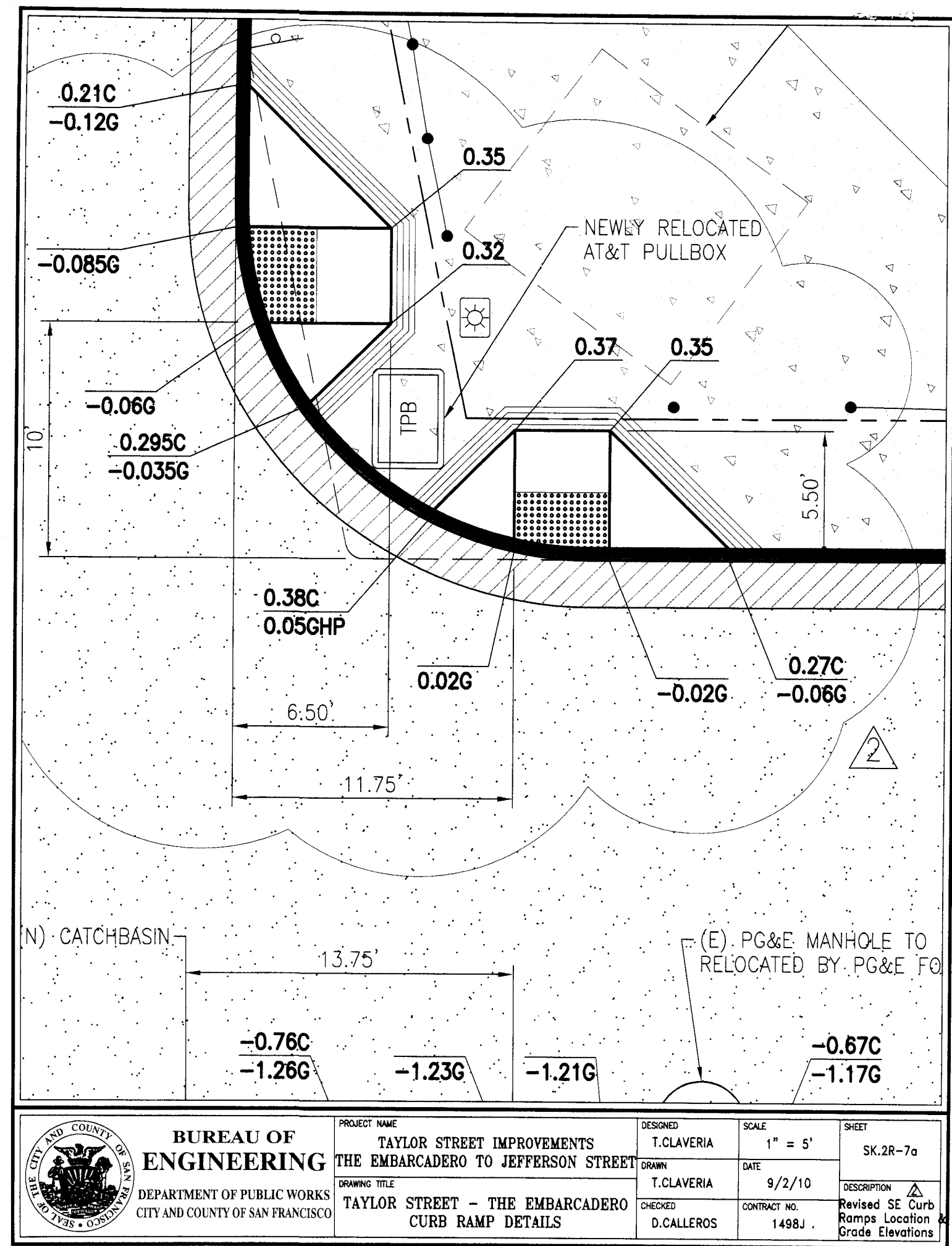
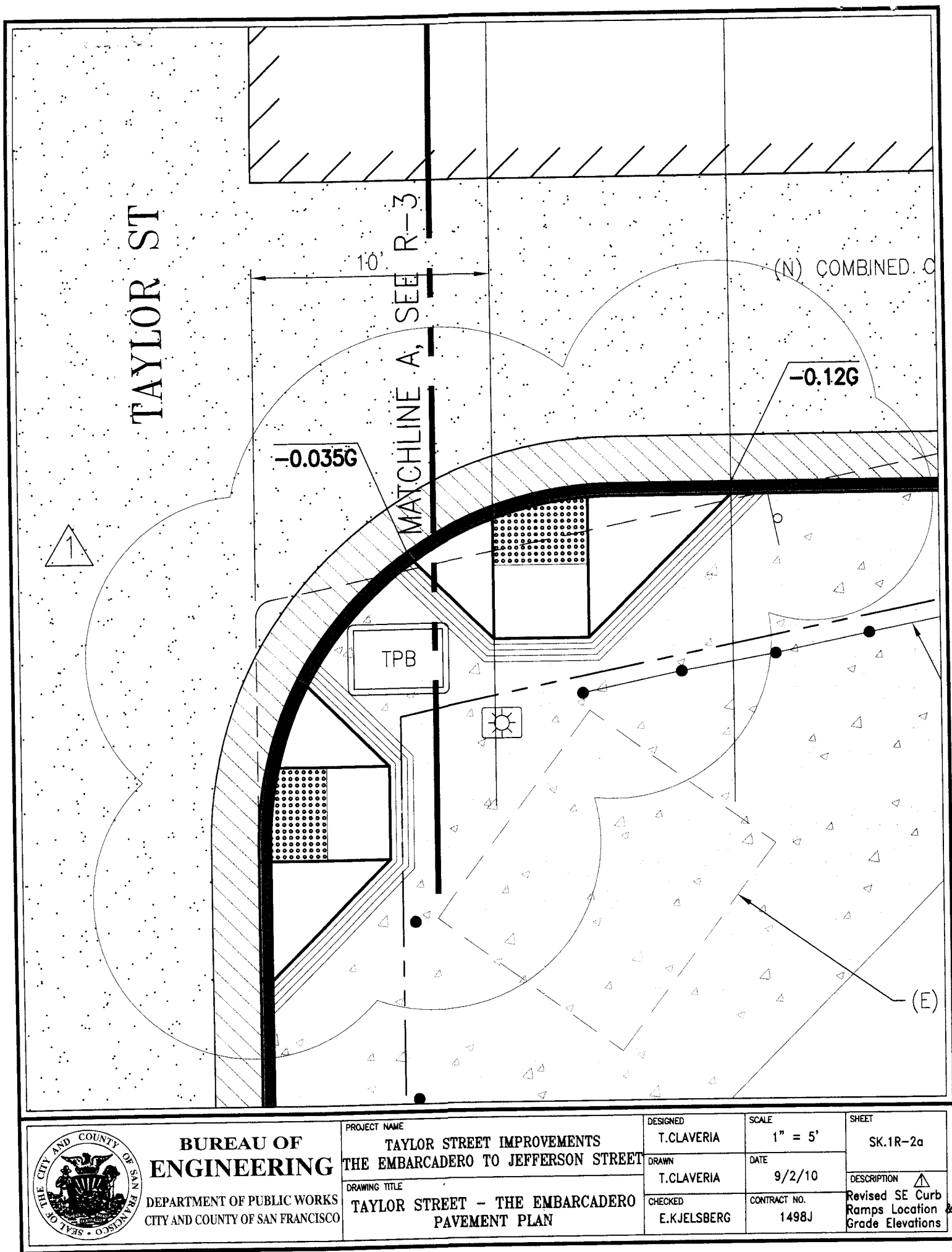
APPROVED
SECTION MANAGER DATE
DEPUTY BUREAU MANAGER DATE
CITY ENGINEER DATE

SCALE
NONE
SHEET OF SHEETS
2 OF 39

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET

LEGEND, ABBREVIATIONS AND GENERAL NOTES

CONTRACT NO.
1498J
DRAWING NO.
R-1
FILE NO.
89,938
REV. NO.
0



AS BUILT
Signed: *[Signature]*

PLANS ARE TO BE RETURNED WITH CORRECTIONS MADE AND CERTIFIED TO IN RED INK AND DATED BY THE INSPECTOR IN CHARGE UPON COMPLETION OF THE WORK BEFORE FINAL PAYMENT CAN BE MADE.

[Signature]
INSPECTOR

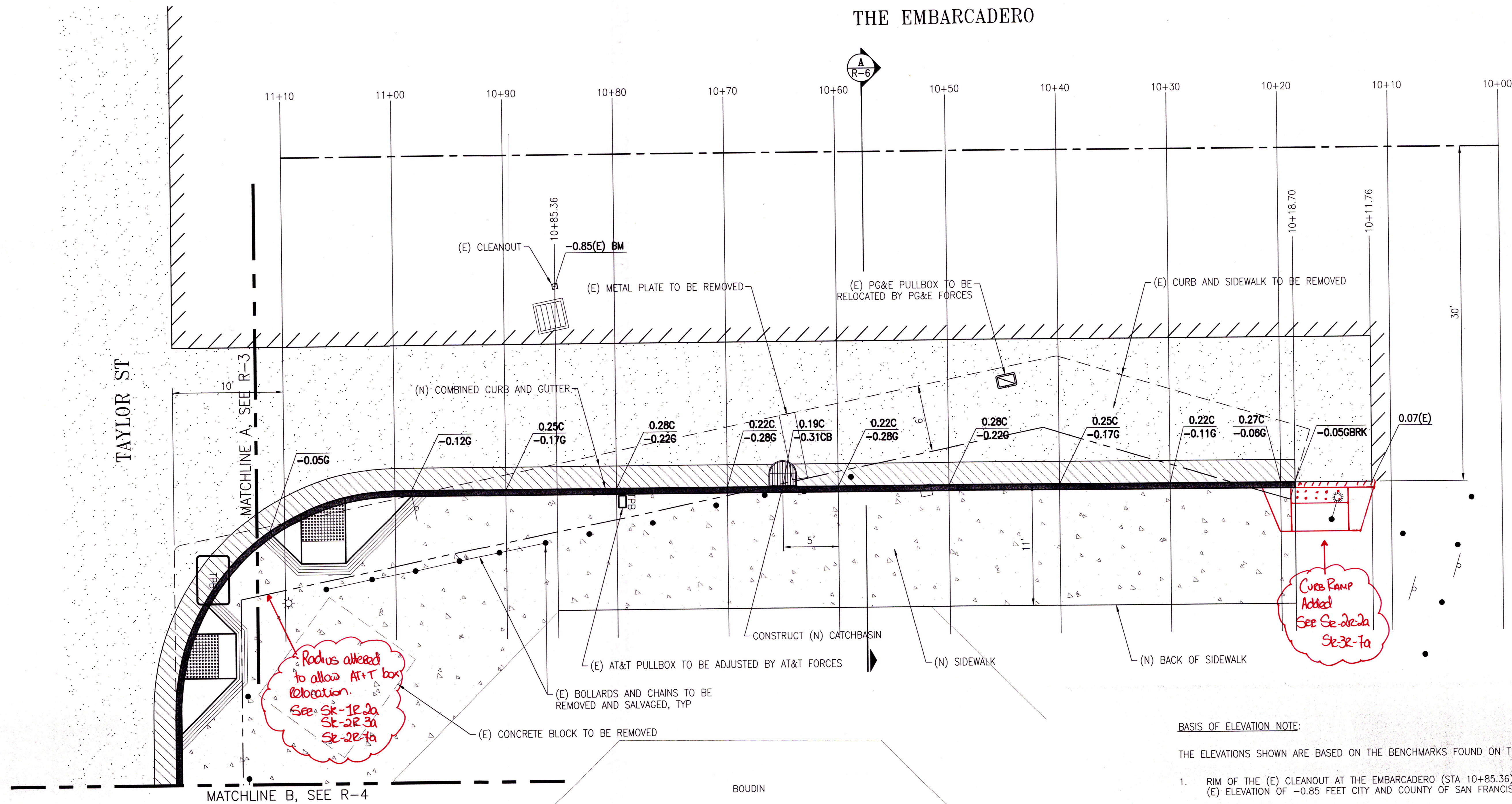
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	23.56	15.00	90°00'00"
C2	31.42	20.00	90°00'00"
C3	31.42	20.00	90°00'00"

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SIGNED INSPECTOR

AS BUILT
Signed: *[Signature]*



THE EMBARCADERO

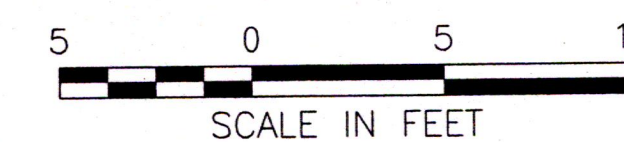


NOTE: SEE R-7 FOR CURB RAMP DETAILS

BASIS OF ELEVATION NOTE:

THE ELEVATIONS SHOWN ARE BASED ON THE BENCHMARKS FOUND ON THE FOLLOWING:

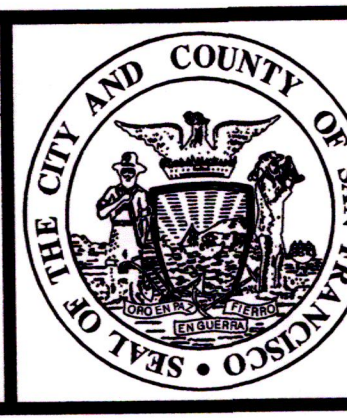
- RIM OF THE (E) CLEANOUT AT THE EMBARCADERO (STA 10+85.36):
(E) ELEVATION OF -0.85 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.
- THE RIM OF THE (E) SEWER MANHOLE AT THE JEFFERSON STREET INTERSECTION:
(E) ELEVATION OF -0.47 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.



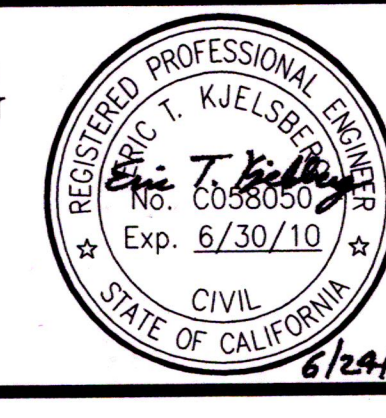
NO.	DATE	DESCRIPTION	BY	APP.

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

REFERENCE INFORMATION & FILE NO. OF SURVEYS
INDEX NO.: 0004
BSM JOB NO.: 2007-041
2008-032
DATE OF SURVEY: 8/29/07
5/15/08



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED T. CLAVERIA DATE 6/09	APPROVED <i>[Signature]</i> DATE 6/26/09
DRAWN T. CLAVERIA DATE 6/09	SECTION MANAGER <i>[Signature]</i> DATE 6/26/09
CHECKED ETX E. KJELSBERG DATE 6/09	DEPUTY BUREAU MANAGER <i>[Signature]</i> DATE 6/26/09
	CITY ENGINEER <i>[Signature]</i> DATE 6/26/09

SCALE 1" = 5'
SHEET OF SHEETS 3 OF 38

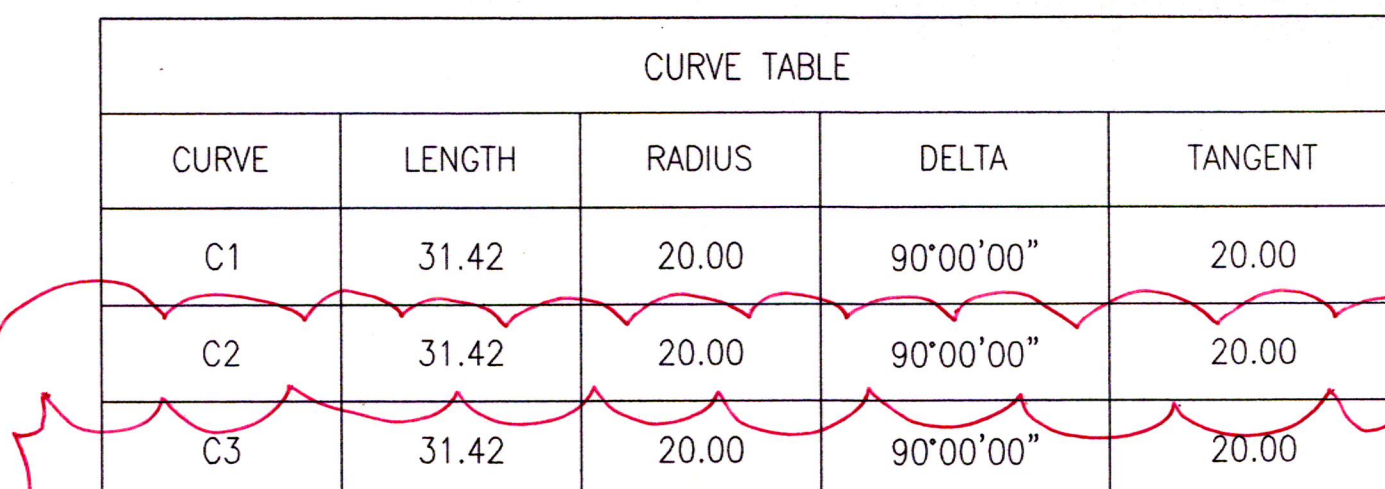
TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET
TAYLOR STREET - THE EMBARCADERO PAVEMENT PLAN

CONTRACT NO. 1498J
DRAWING NO. R-2
FILE NO. 89,939
REV. NO. 0

Xrefs: V:\1498J_TaylorSt_Improvements\2_Design\Working_Drawings\Surveys\Port\ZpExtract\N0083ae\p33-hyde.dwg
V:\1498J_TaylorSt_Improvements\BOT Title Block 2005.dwg
Dimension Scale: 20
Model Units: Feet
Drawing Path: V:\1498J_TaylorSt_Improvements\2_Design\Working_Drawings\ESR\1498J_C-plate.dwg
Login: tclover
Measurement Units are English
Plot Time: Wed, 24 Jun 2009 - 2:51 pm

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.

James W. Wong
SIGNED-INSPECTOR



BASIS OF ELEVATION NOTE:

THE ELEVATIONS SHOWN ARE BASED ON THE BENCHMARKS FOUND ON THE FOLLOWING:

1. RIM OF THE (E) CLEANOUT AT THE EMBARCADERO (STA 10+85.36):
(E) ELEVATION OF -0.85 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.
2. THE RIM OF THE (E) SEWER MANHOLE AT THE JEFFERSON STREET INTERSECTION:
(E) ELEVATION OF -0.47 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.

5 0 5 10
SCALE IN FEET

[illegible]

AS BUILT
[Handwritten signature]

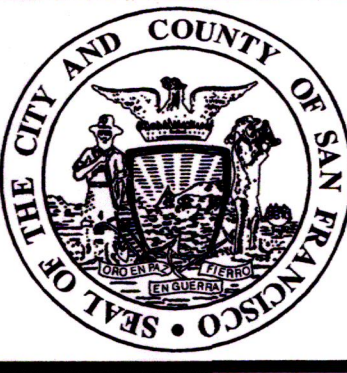


CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C4	14.95	74.00	11°34'30"	7.50
C5	20.20	100.00	11°34'30"	10.14

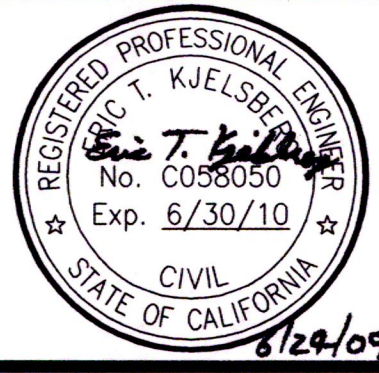
NOTE: SEE R-8 FOR CURB RAMP DETAILS

THE ELEVATIONS SHOWN ARE BASED ON THE BENCHMARKS FOUND ON THE FOLLOWING:

1. RIM OF THE (E) CLEANOUT AT THE EMBARCADERO (STA 10+85.36):
(E) ELEVATION OF -0.85 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.
2. THE RIM OF THE (E) SEWER MANHOLE AT THE JEFFERSON STREET INTERSECTION:
(E) ELEVATION OF -0.47 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.

[illegible]

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED	DATE	APPROVED
T. CLAVERIA	6/09	<i>Patricia</i> 6-26-09
DRAWN	DATE	SECTION MANAGER
T. CLAVERIA	6/09	<i>Patricia</i> 6/29/09
CHECKED	DATE	DEPUTY BUREAU MANAGER
E. KJELSBORG	6/09	<i>Margaret (Patricia)</i> 6/30/09 CITY ENGINEER for DATE

SCALE

$1'' = 5'$

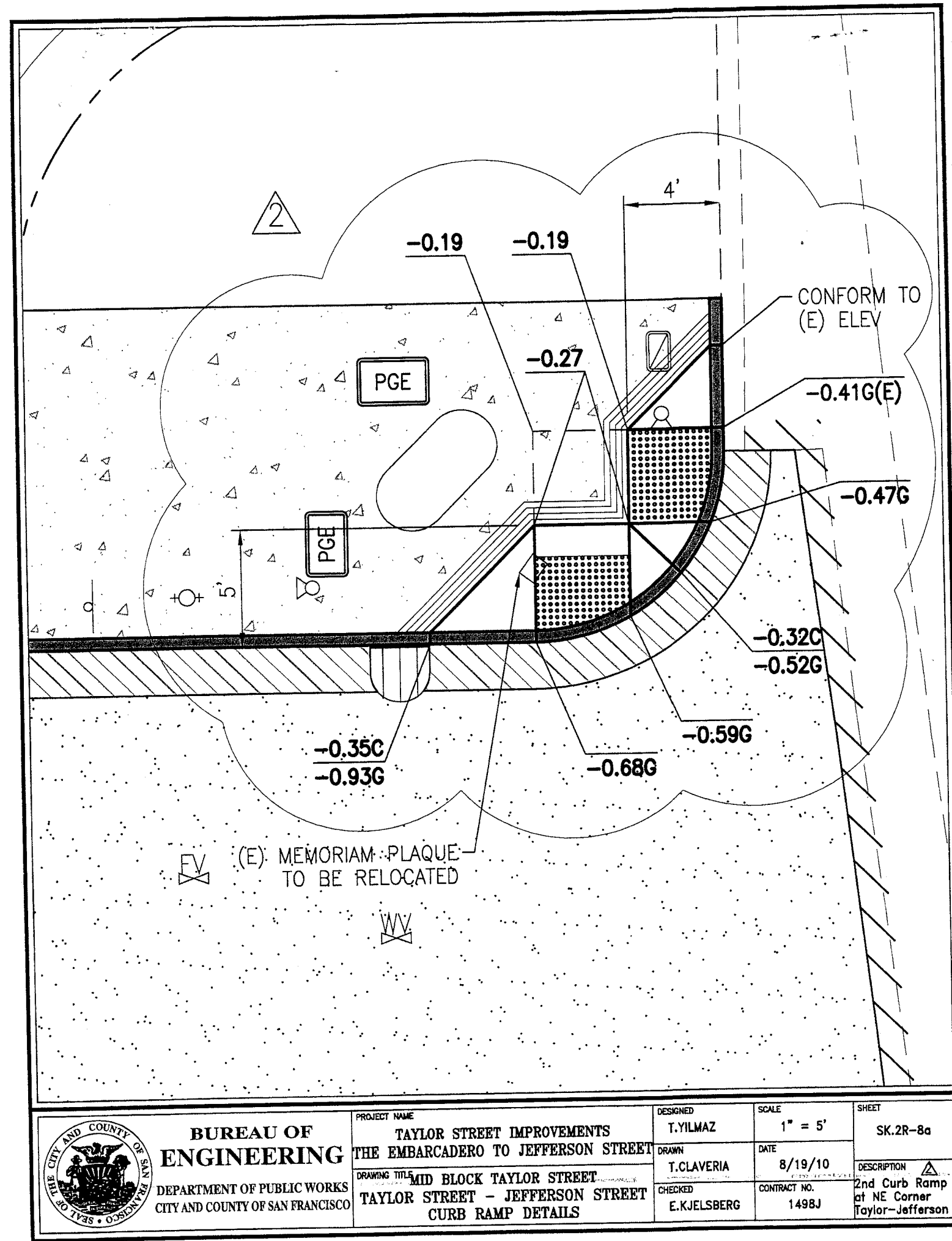
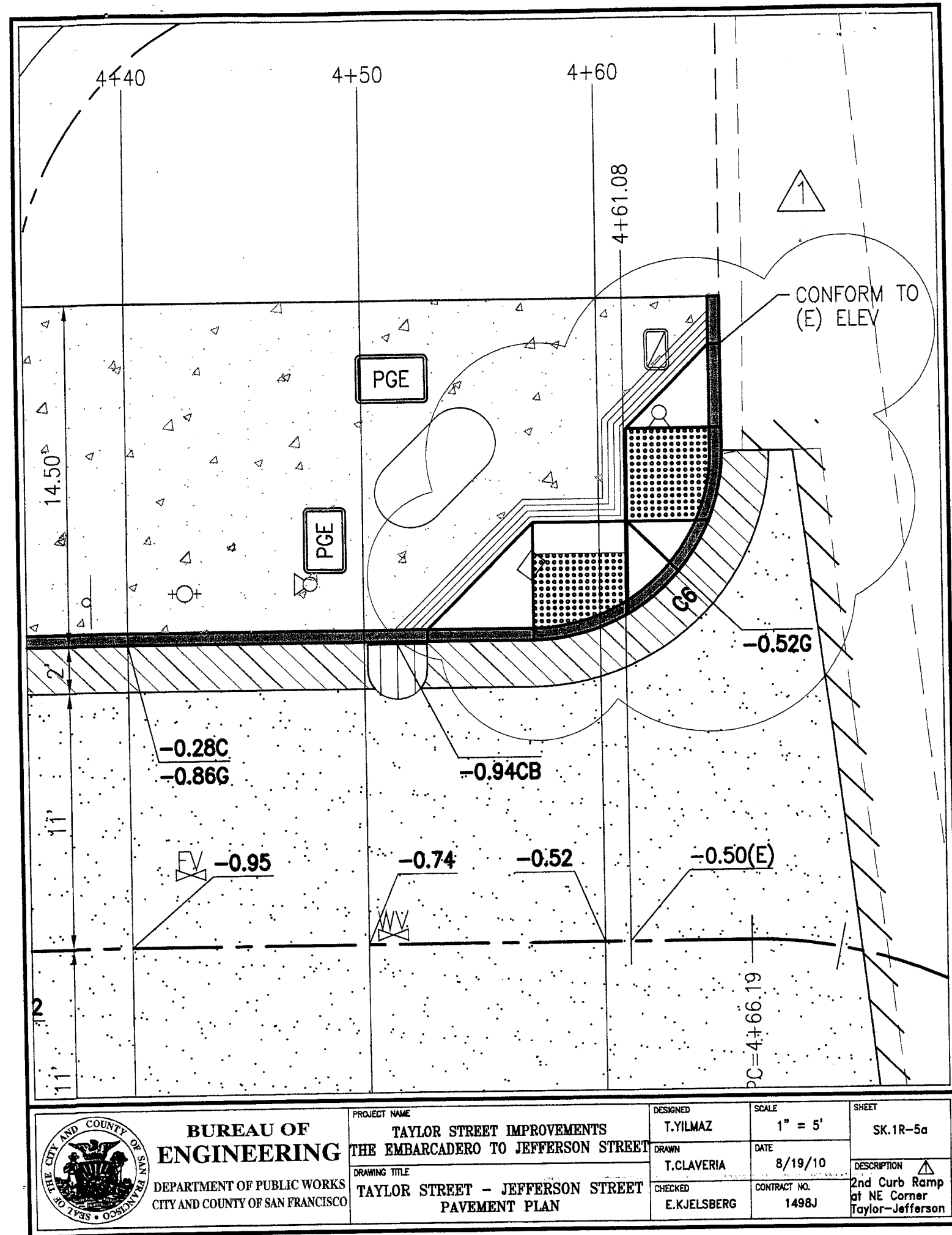
SHEET OF SHEETS

5 OF 39

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET

TAYLOR STREET
THE EMBARCADERO TO JEFFERSON STREET
PAVEMENT PLAN

CONTRACT NO.	1498J
DRAWING NO.	R-4
FILE NO.	89,941
REV. NO.	0



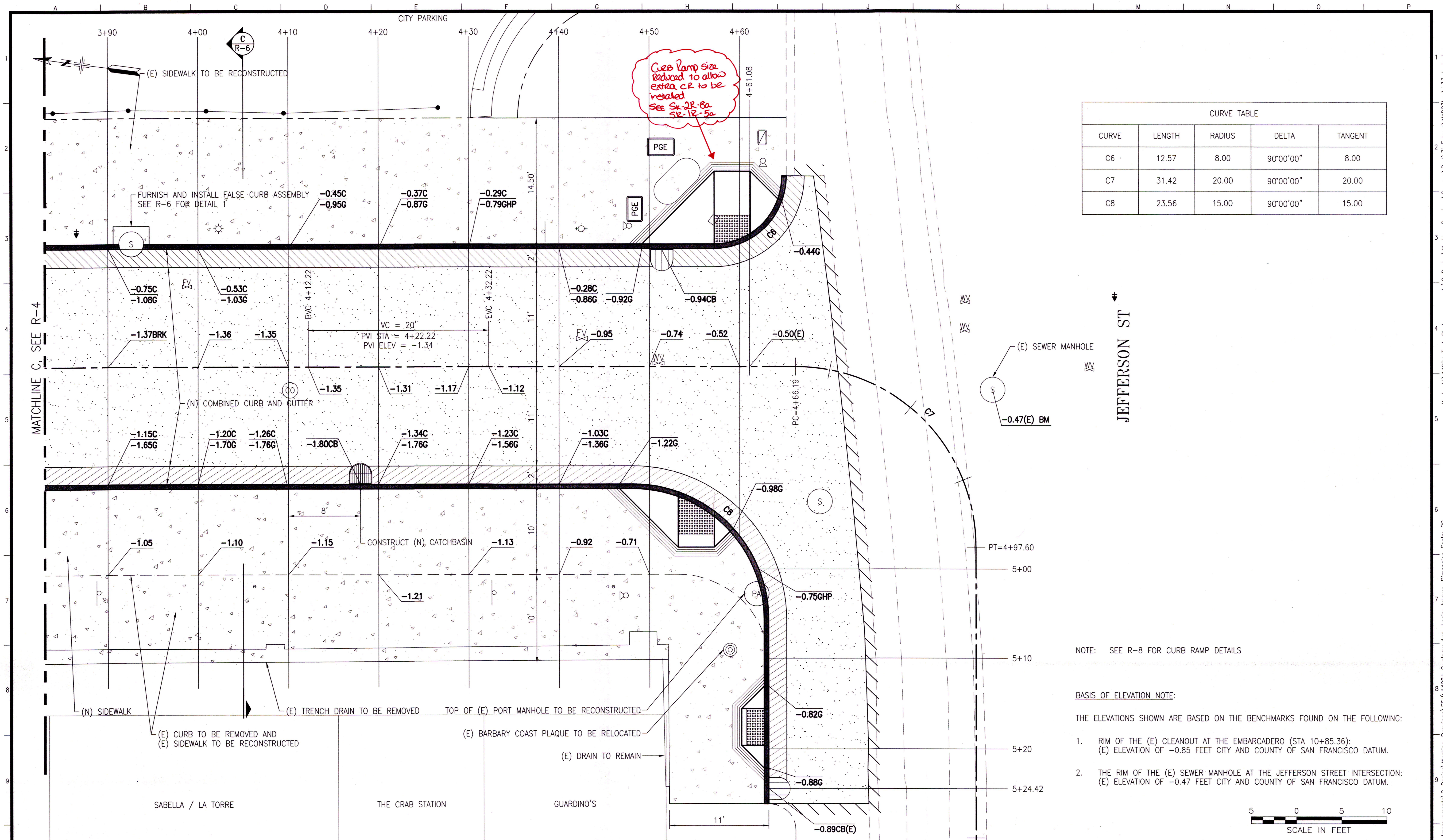
AS BUILT

PLANS ARE TO BE RETURNED WITH CORRECTIONS MADE AND CERTIFIED TO IN RED INK AND DATED BY THE INSPECTOR IN CHARGE UPON COMPLETION OF THE WORK BEFORE FINAL AS BUILT.

[Signature]

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
SIGNED INSPECTOR

AS BUILT
Signed: *[Signature]*



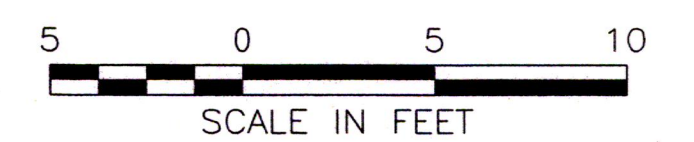
CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C6	12.57	8.00	90°00'00"	8.00
C7	31.42	20.00	90°00'00"	20.00
C8	23.56	15.00	90°00'00"	15.00

NOTE: SEE R-8 FOR CURB RAMP DETAILS

BASIS OF ELEVATION NOTE:

THE ELEVATIONS SHOWN ARE BASED ON THE BENCHMARKS FOUND ON THE FOLLOWING:

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- THE RIM OF THE (E) SEWER MANHOLE AT THE JEFFERSON STREET INTERSECTION:
(E) ELEVATION OF -0.47 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.

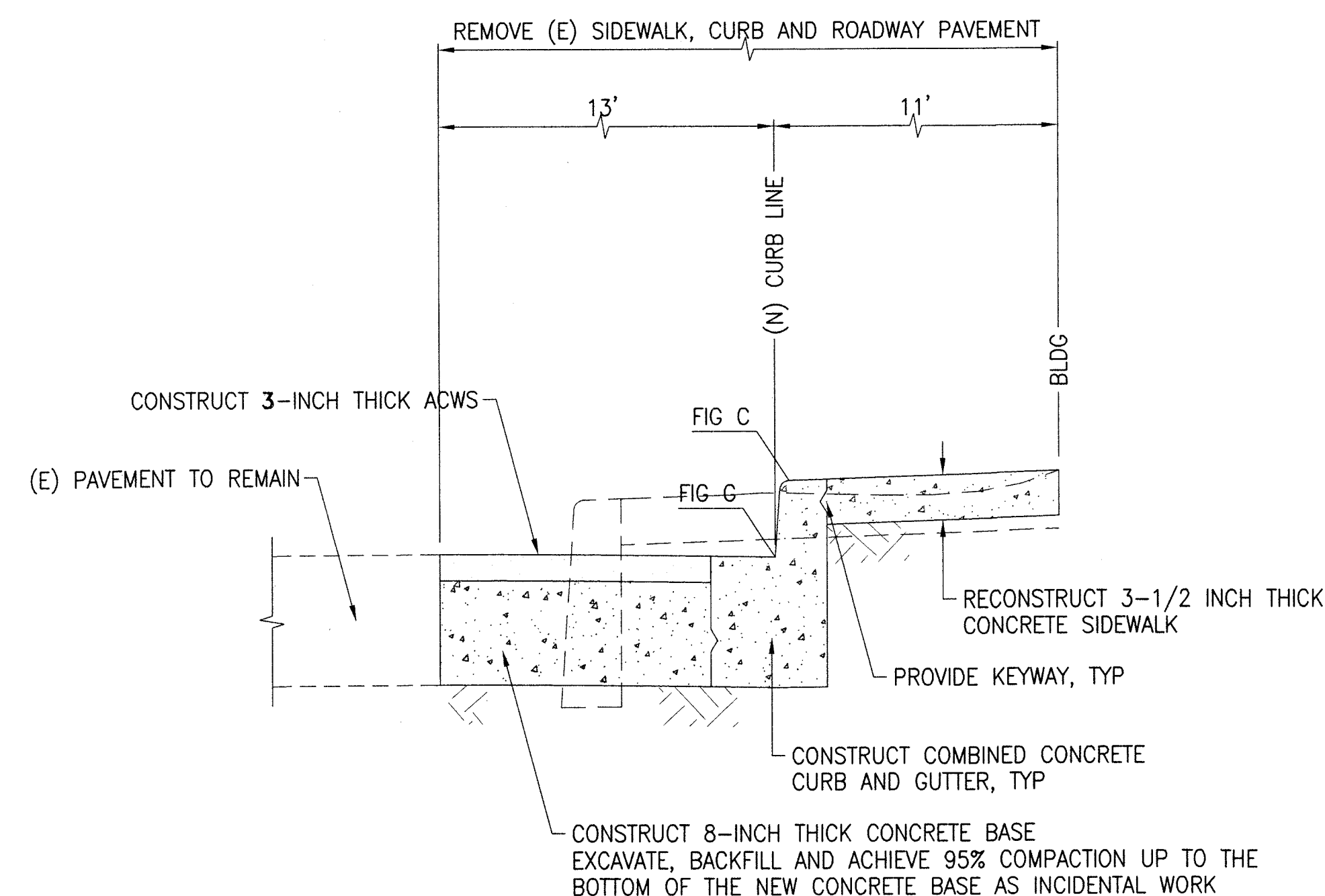


REFERENCE INFORMATION & FILE NO. OF SURVEYS			BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO		DESIGNED T. CLAVERIA DATE 6/09	APPROVED <i>[Signature]</i> DATE 6/09	SCALE 1" = 5'	TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET TAYLOR STREET - JEFFERSON STREET PAVEMENT PLAN	CONTRACT NO. 1498J
INDEX NO.: BSM JOB NO.: DATE OF SURVEY: 5/15/08	NO. 0004 2007-041 2008-032 8/29/07				DRAWN T. CLAVERIA DATE 6/09	SECTION MANAGER <i>[Signature]</i> DATE 4/24/09	SHEET OF SHEETS 6 OF 39		DRAWING NO. R-5
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION					CHECKED E. KJELBERG DATE 6/09	DEPUTY BUREAU MANAGER DATE <i>[Signature]</i> DATE 6/09		FILE NO. 89,942	REV. NO. 0

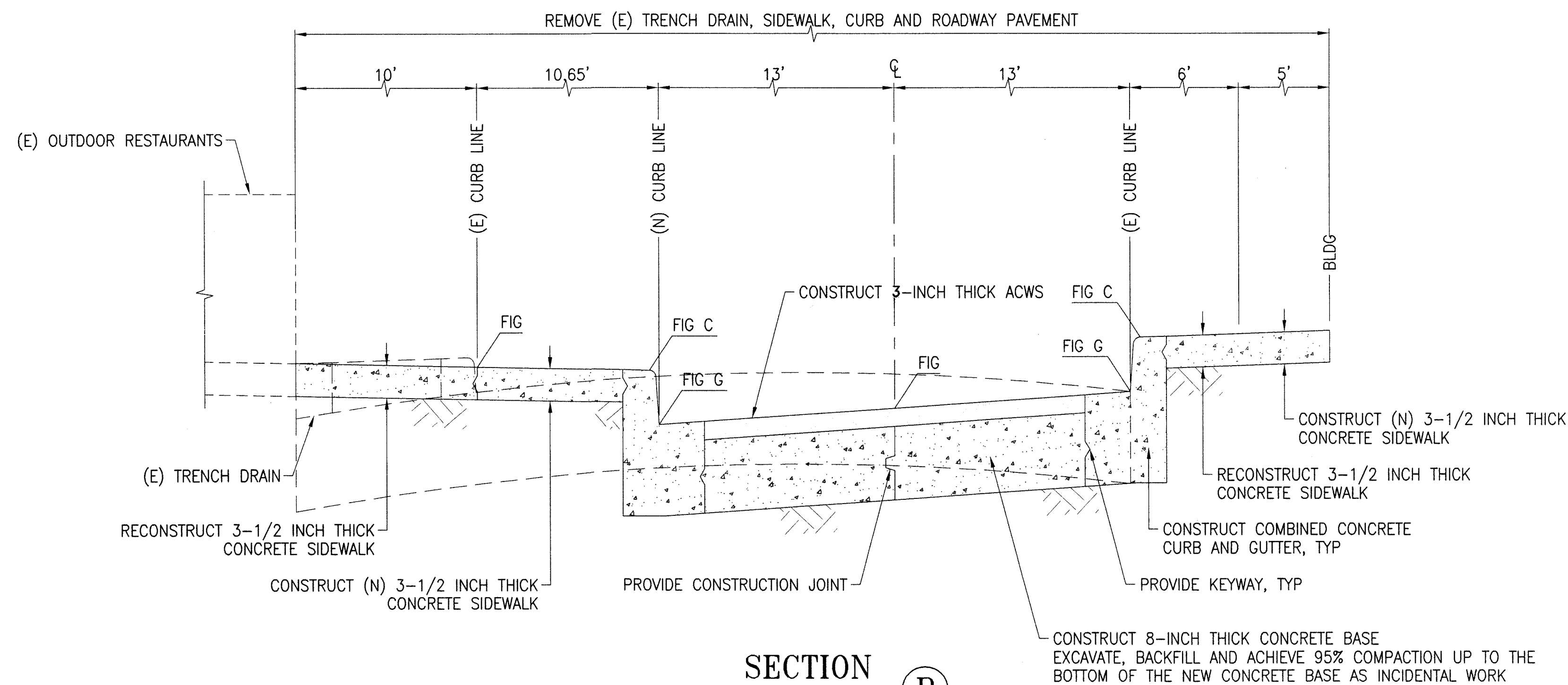
Xrefs: V:\1498J_TaylorStImprovements\2_Design\Working_Drawings\Drawings\Port\ZipExtract\WAD3base\p33-hyde.dwg
V:\1498J_TaylorStImprovements\BDC Title Block 2005.dwg
Drawing Path: V:\1498J_TaylorStImprovements\2_Design\Working_Drawings\Drawings\Port\ZipExtract\WAD3base\p33-hyde.dwg
Plot time: Fri, 26 Jun 2009 - 7:24am
Measurement Units are English
Dimension Scale: Feet
Model Units: Feet
17732-4006-AB

AS BUILT
Signed: *[Signature]*

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
[Signature]
SIGNED INSPECTOR



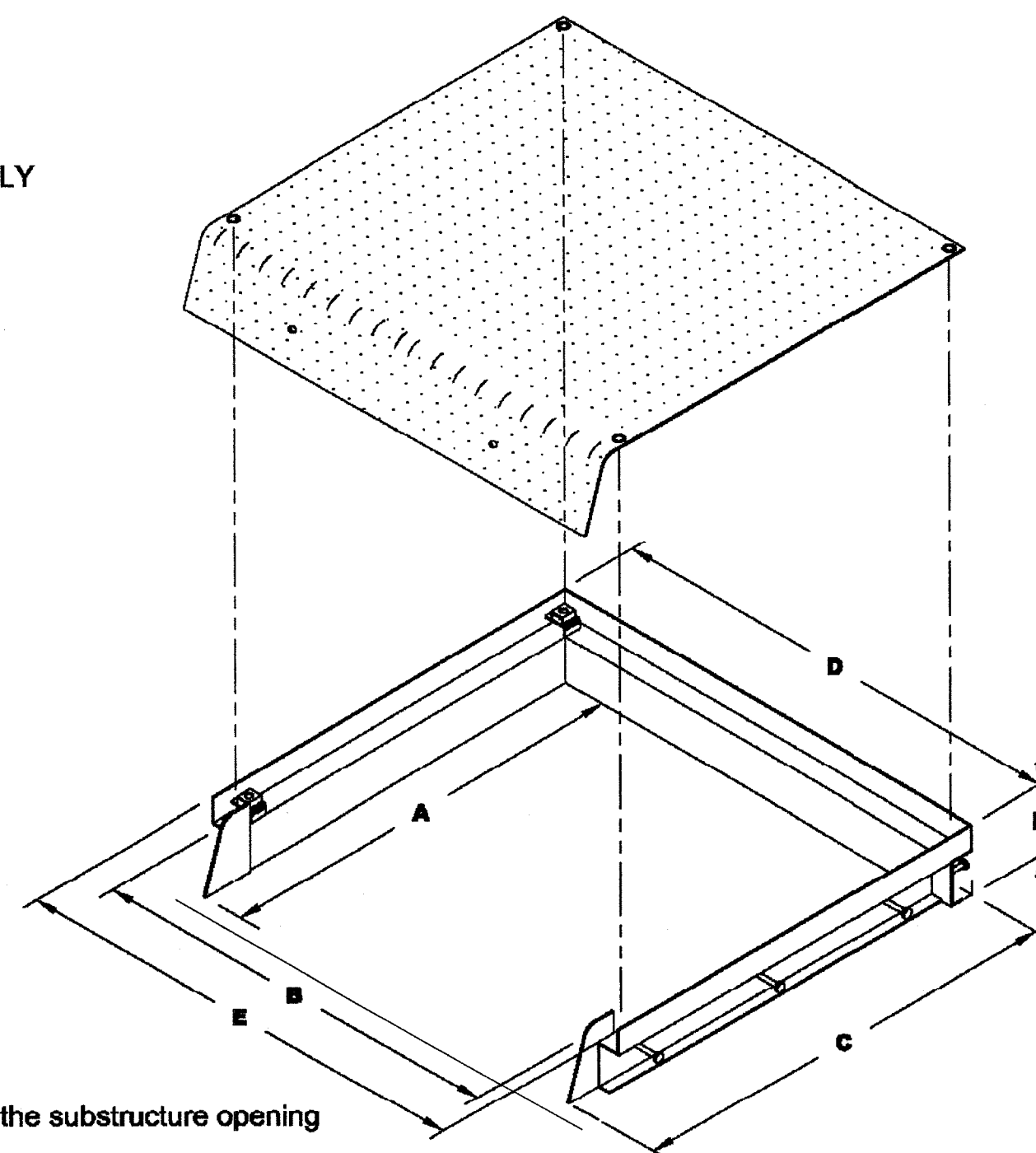
SECTION A



SECTION B

FALSE CURB ASSEMBLY

1. One Piece Cover
2. Bolt-Down
3. Drag-Off Covers



A - The minimum distance from the face of curb to the back of the substructure opening (Supply this measurement to the vendor).

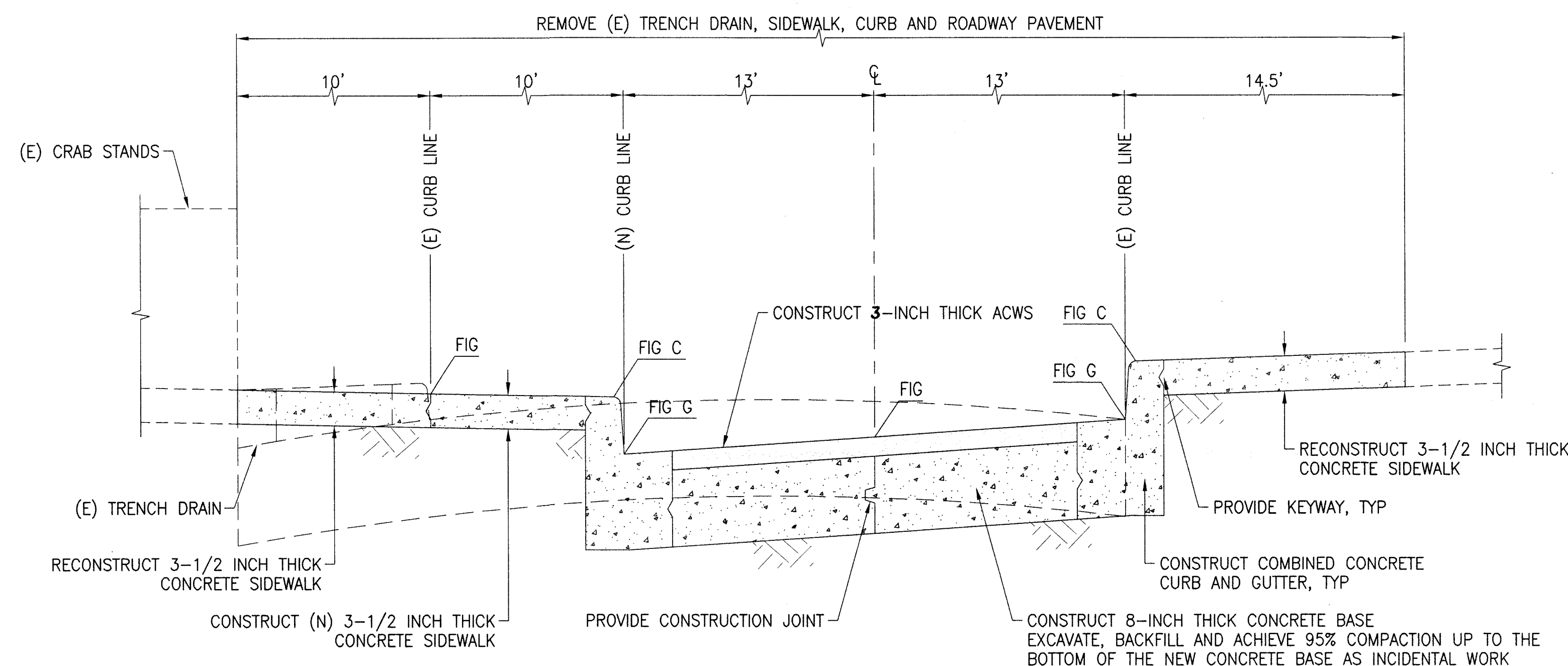
B - Inside minimum width of substructure opening (supply this measurement to vendor).

C - Outside dimension of cover (This measurement is six inches greater than A)

D - Overall width of False Curb (This measurement is twelve inches greater than B).

E - This measurement must be equal to D when installing the frame. If the measurement is not equal the cover will not fit properly.

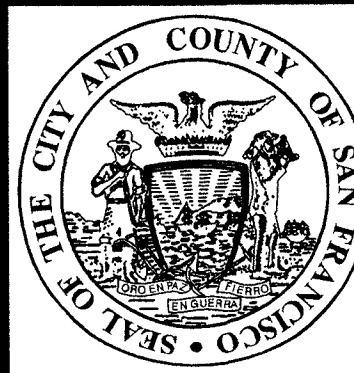
DETAIL 1



SECTION C

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED DATE
T. CLAVERIA 6/09
DRAWN DATE
T. CLAVERIA 6/09
CHECKED DATE
E. KJELSBERG 6/09

APPROVED
Section Manager
Deputy Bureau Manager
City Engineer

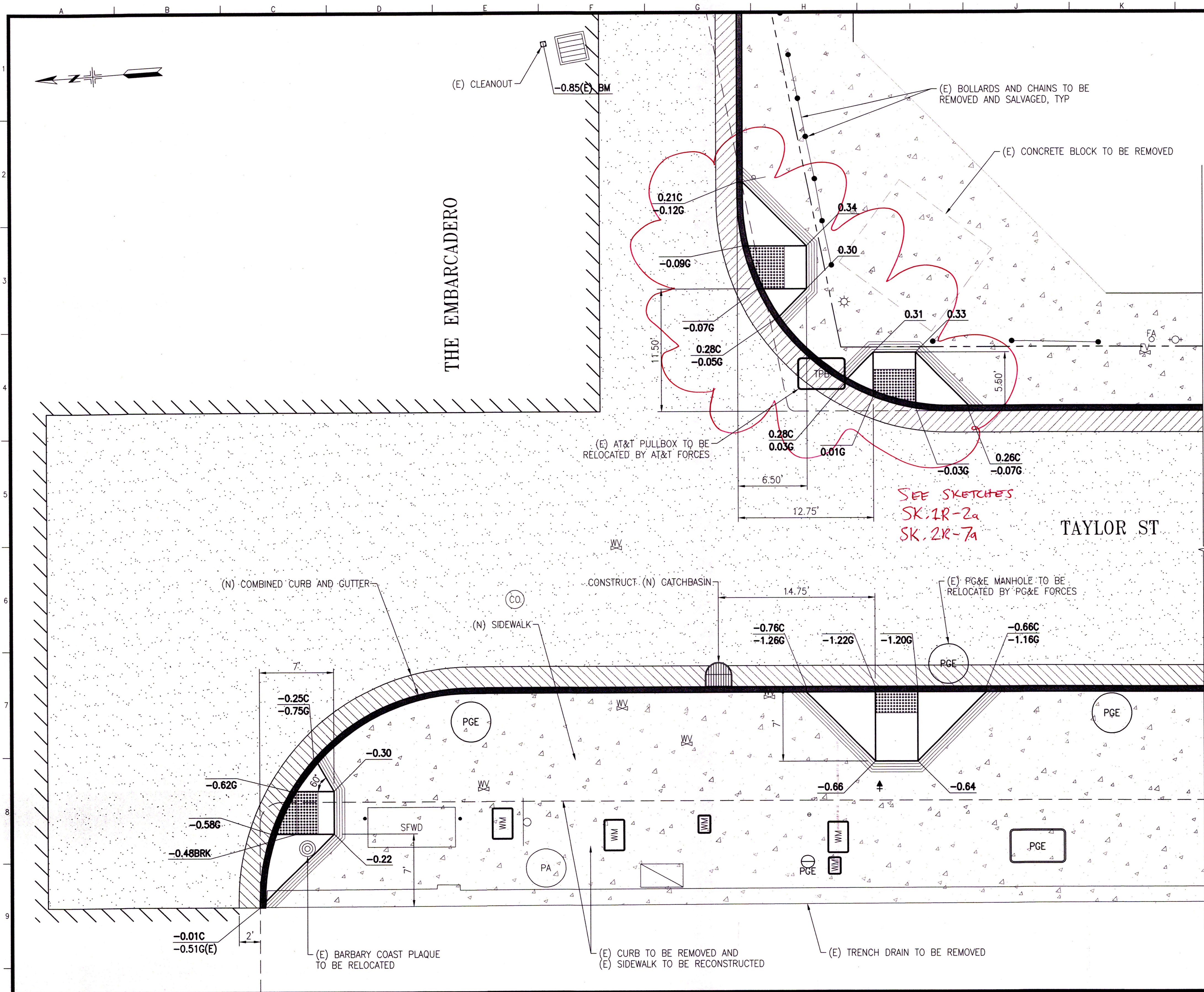
SCALE
NONE
SHEET OF SHEETS
7 OF 39

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET
TYPICAL CROSS SECTIONS

CONTRACT NO.
1498J
DRAWING NO.
R-6
FILE NO.
89,943
REV. NO.
0

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
SIGNED-INSPECTOR

AS BUILT
Signed: [Signature]



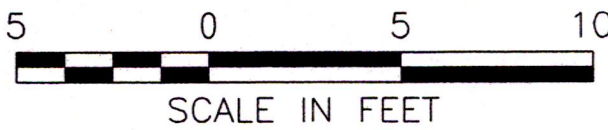
NOTES:

- FLARED SIDES (WINGS) SHALL BE 45 DEGREES FROM THE CURB RAMP UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL REFER TO THE PAVEMENT PLANS FOR ALL ROADWAY WORK NOT RELATING TO CURB RAMP CONSTRUCTION.

BASIS OF ELEVATION NOTE:

THE ELEVATIONS SHOWN ARE BASED ON THE BENCHMARKS FOUND ON THE FOLLOWING:

- RIM OF THE (E) CLEANOUT AT THE EMBARCADERO (STA 10+85.36):
(E) ELEVATION OF -0.85 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.
- THE RIM OF THE (E) SEWER MANHOLE AT THE JEFFERSON STREET INTERSECTION:
(E) ELEVATION OF -0.47 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.

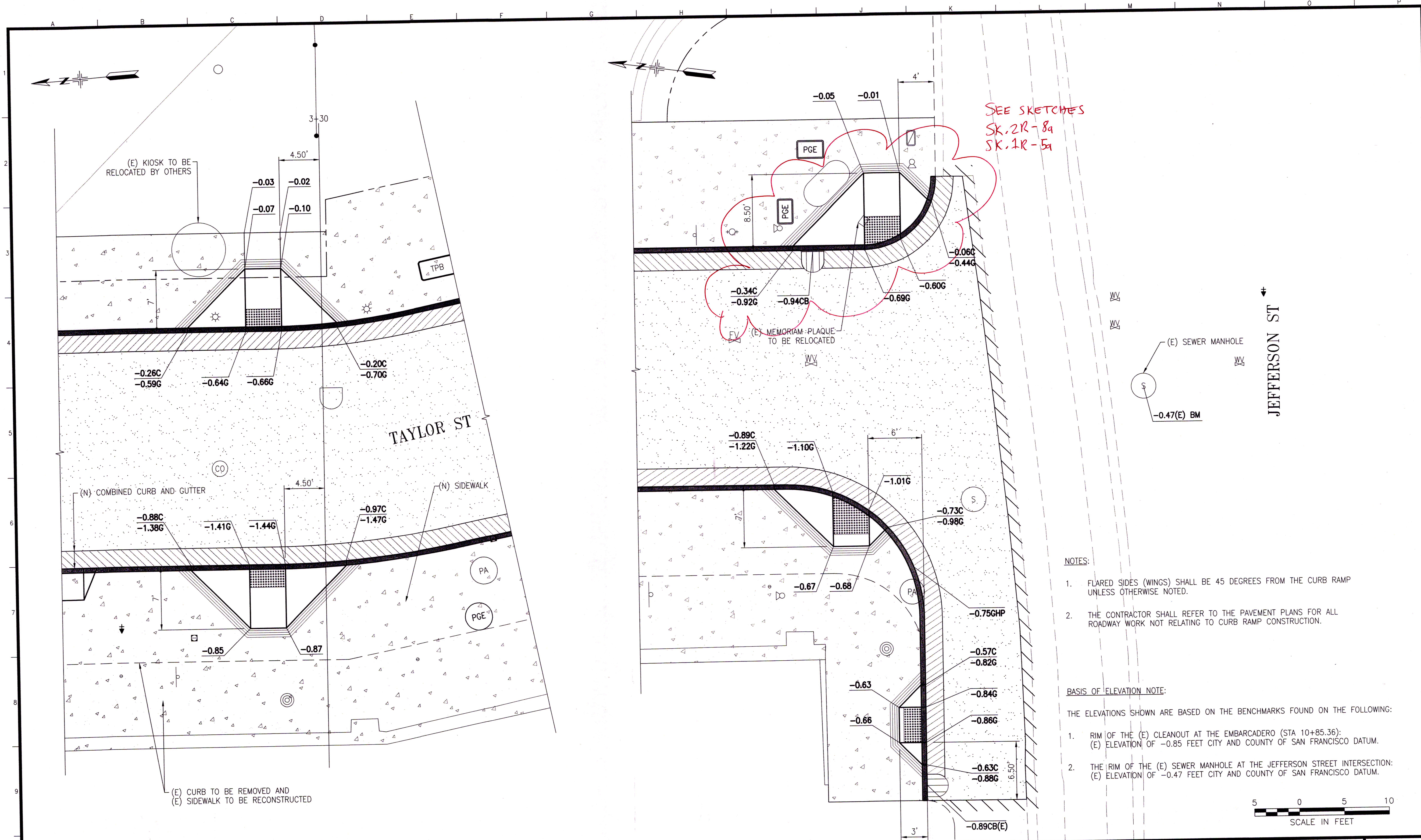


NO. DATE DESCRIPTION BY APP.		REFERENCE INFORMATION & FILE NO. OF SURVEYS			BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO		DESIGNED DATE	APPROVED	SCALE	TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET	CONTRACT NO.
TABLE OF REVISIONS CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION		INDEX NO.: 0004	BSM JOB NO.: 2007-041				T. YILMAZ 6/09	SECTION MANAGER DATE	1" = 5'		1498J
		DATE OF SURVEY: 8/29/07	DATE OF SURVEY: 5/15/08				DRAWN DATE	DEPUTY BUREAU MANAGER DATE	SHEET OF SHEETS	TAYLOR STREET - THE EMBARCADERO CURB RAMP DETAILS	DRAWING NO.
							CHECKED DATE	CITY ENGINEER DATE	8 OF 39		FILE NO.
											REV. NO.
											0

Drawing Path: V:\1498J_TaylorSL_Improvements\2_Design\Working Drawings\ESH\1498J_C.dwg, Login: taylor, Dimension Scale: 20
Plot Time: Fri, 26 Jun 2009 - 7:08am
Model Units: Feet
Xrefs: V:\1498J_TaylorSL_Improvements\B01 Title Block 2005.dwg
17734-4006-AB

AS BUILT

PLANS ARE TO BE RETURNED WITH
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TO IN RED INK AND DATED BY THE
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COMPLETION OF THE WORK BEFORE
FINAL PAYMENT IS MADE.
SIGNED-INSPECTOR



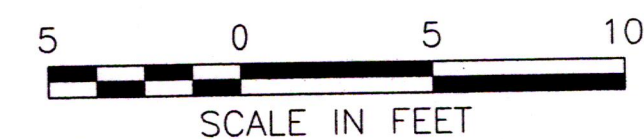
NOTES:

1. FLARED SIDES (WINGS) SHALL BE 45 DEGREES FROM THE CURB RAMP UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL REFER TO THE PAVEMENT PLANS FOR ALL ROADWAY WORK NOT RELATING TO CURB RAMP CONSTRUCTION.

BASIS OF ELEVATION NOTE:

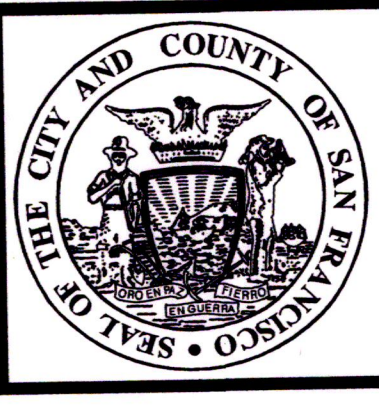
THE ELEVATIONS SHOWN ARE BASED ON THE BENCHMARKS FOUND ON THE FOLLOWING:

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(E) ELEVATION OF -0.85 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.
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(E) ELEVATION OF -0.47 FEET CITY AND COUNTY OF SAN FRANCISCO DATUM.

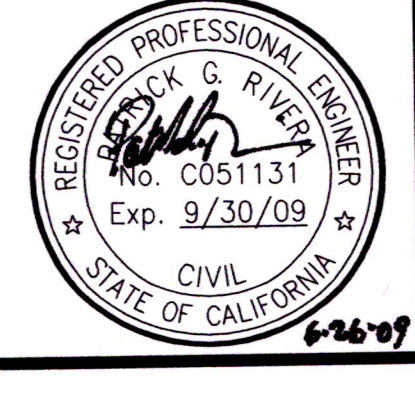


NO.	DATE	DESCRIPTION	BY	APP.

REFERENCE INFORMATION & FILE NO. OF SURVEYS	
INDEX NO.:	0004
BSM JOB NO.:	2007-041
	2008-032
DATE OF SURVEY:	8/29/07
	5/15/08



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED	DATE	APPROVED	DATE
T. YILMAZ	6/09	Paul H. ...	6/26/09
DRAWN	DATE	SECTION MANAGER	DATE
T. CLAVERIA	6/09	W.L. ...	6/24/09
CHECKED	DATE	DEPUTY BUREAU MANAGER	DATE
T. CLAVERIA	6/09	Manuel ...	6/24/09
		CITY ENGINEER	

SCALE	1" = 5'
SHEET OF SHEETS	9 OF 39

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET
MID BLOCK TAYLOR STREET
TAYLOR STREET - JEFFERSON STREET
CURB RAMP DETAILS

CONTRACT NO.	1498J
DRAWING NO.	R-8
FILE NO.	89,945
REV. NO.	0

Xrefs: V:\1498J_TaylorSt_Improvements\BOE Title Block 2005.dwg
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Plot Time: Fri, 26 Jun 2009 - 7:09am
Measurement Units are English
17735-4006-AB

AS-BUILT
Signed: [Signature]

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
SIGNED INSPECTOR: [Signature]

LEGEND

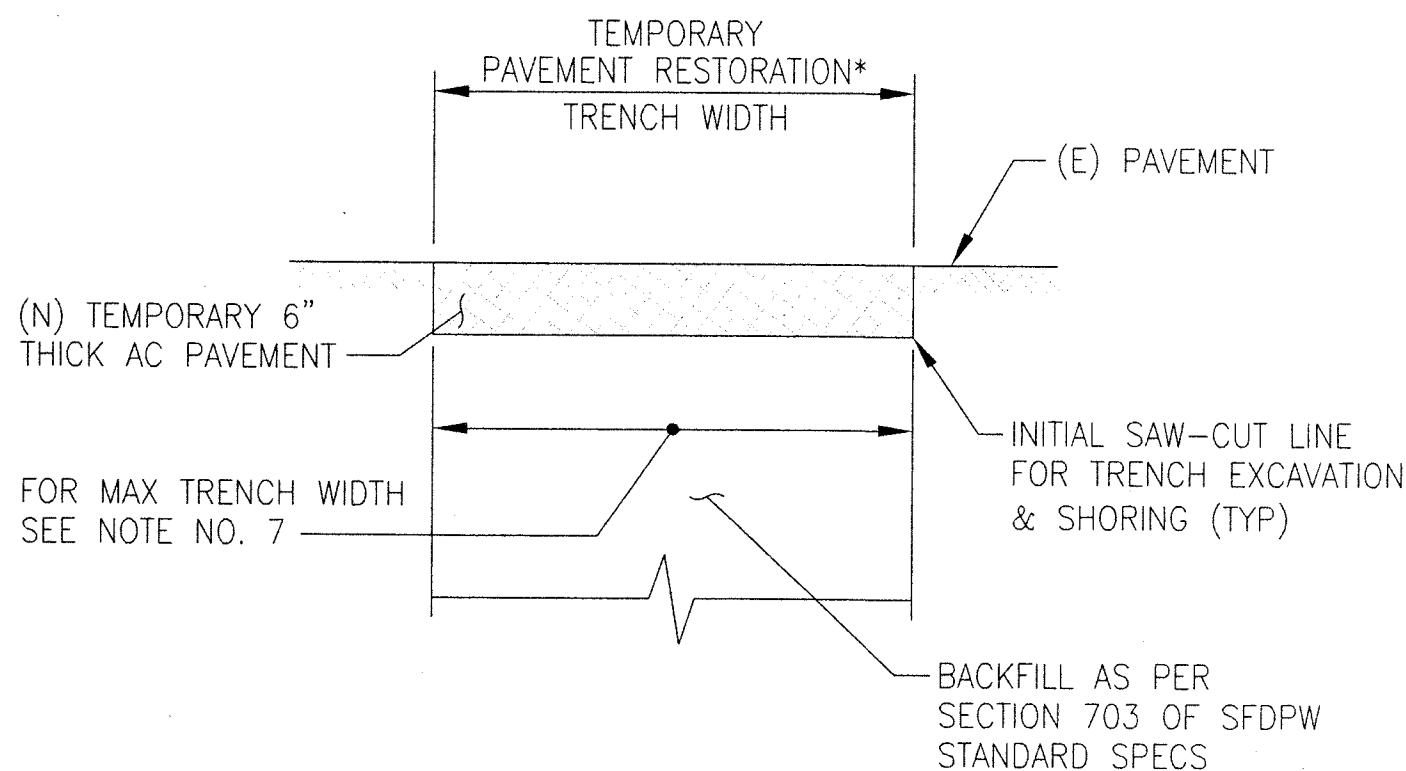
SIZE & TYPE	EXISTING SEWER OR CULVERT
	EXISTING MH
	EXISTING CB, SWI
	EXISTING SIDE SEWER (SS) W/ AIR VENT
	EXISTING CRAB POT / FLOOR SINK INLET
	EXISTING MUNI TRACKS
	EXISTING MUNI OVERHEAD WIRES
	EXISTING MUNI DUCT BANK
SIZE & TYPE	NEW SEWER OR CULVERT
	NEW MH PER SFPDW STD PLAN 87,181
	NEW MH PER SFPDW STD PLAN 87,182
	REPLACE (E) MH PER SFPDW STD PLAN 87,181
	MORTAR (E) MH
	ABANDON EXISTING MH
	REPLACE (E) MH PER SFPDW STD PLAN 87,182
	3" MH W/ TRAP ON OUTLET & GRATED COVER
	3" MH W/ TRAP ON OUTLET & SOLID COVER
	NEW CLEAN OUT
	EXISTING MH
	NEW MH
	MORTAR (E) MH
	REPLACE EXISTING MH
	ABANDON EXISTING MH
	REMOVE EXISTING MH
	EXISTING SURVEY MONUMENT
	NEW CB PER SFPDW STD PLAN 87,188
	REPLACE (E) CB PER SFPDW STD PLAN 87,188
	ABANDON (E) CB
	NEW SS PER SFPDW STD PLAN 87,196
	NEW 6" OR 8" SS CONNECTION TO MAIN SEWER
	PLUG EXISTING FACILITIES
	PLUG AND FILL EXISTING FACILITIES
	APPROXIMATE PAVEMENT SURFACE
	DIRECTION OF FLOW
	SLURRY GROUT SHOWN IN SECTION OR PROFILE

ABBREVIATIONS

±	PLUS OR MINUS
ACWS	ASPHALT CONCRETE WEARING SURFACE
APPROX	APPROXIMATE
AVE	AVENUE
AWSS	AUXILIARY WATER SUPPLY SYSTEM
B&S	BELL AND SPIGOT
BLVD	BOULEVARD
BRK	BRICK
CB	CATCHBASIN
CF	CUBIC FEET
CH	CHANGE
CIPL	CURED IN-PLACE LINER
CO	CLEAN OUT
CONC	CONCRETE
C-C	CENTER TO CENTER
CY	CUBIC YARD
DET	DETAIL
DIA OR Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
E	EAST
(E)	EXISTING
EF	EACH FACE
EMBED	EMBEDMENT
EL	ELEVATION
ENGR	ENGINEER
EQ	EQUAL
EW	EACH WALL
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
INV	INVERT
ISP	IRON STONE PIPE
LF	LINEAR FEET
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
(N)	NEW
NIC	NOT IN CONTRACT
NO.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PEP	POLYETHYLENE PIPE
PL	PROPERTY LINE
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
S	SOUTH
SF	SQUARE FEET
S.F.	SAN FRANCISCO
SFPDW	SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS
SL	SLOPE
SPECS	SPECIFICATIONS
SS	SIDE SEWER
ST	STREET
STD	STANDARD
SWI	STORM WATER INLET
THRU	THROUGH
(TYP)	TYPICAL
VERT	VERTICAL
VCP	VITRIFIED CLAY PIPE
W	WEST
W/	WITH
W/O	WITHOUT

GENERAL NOTES

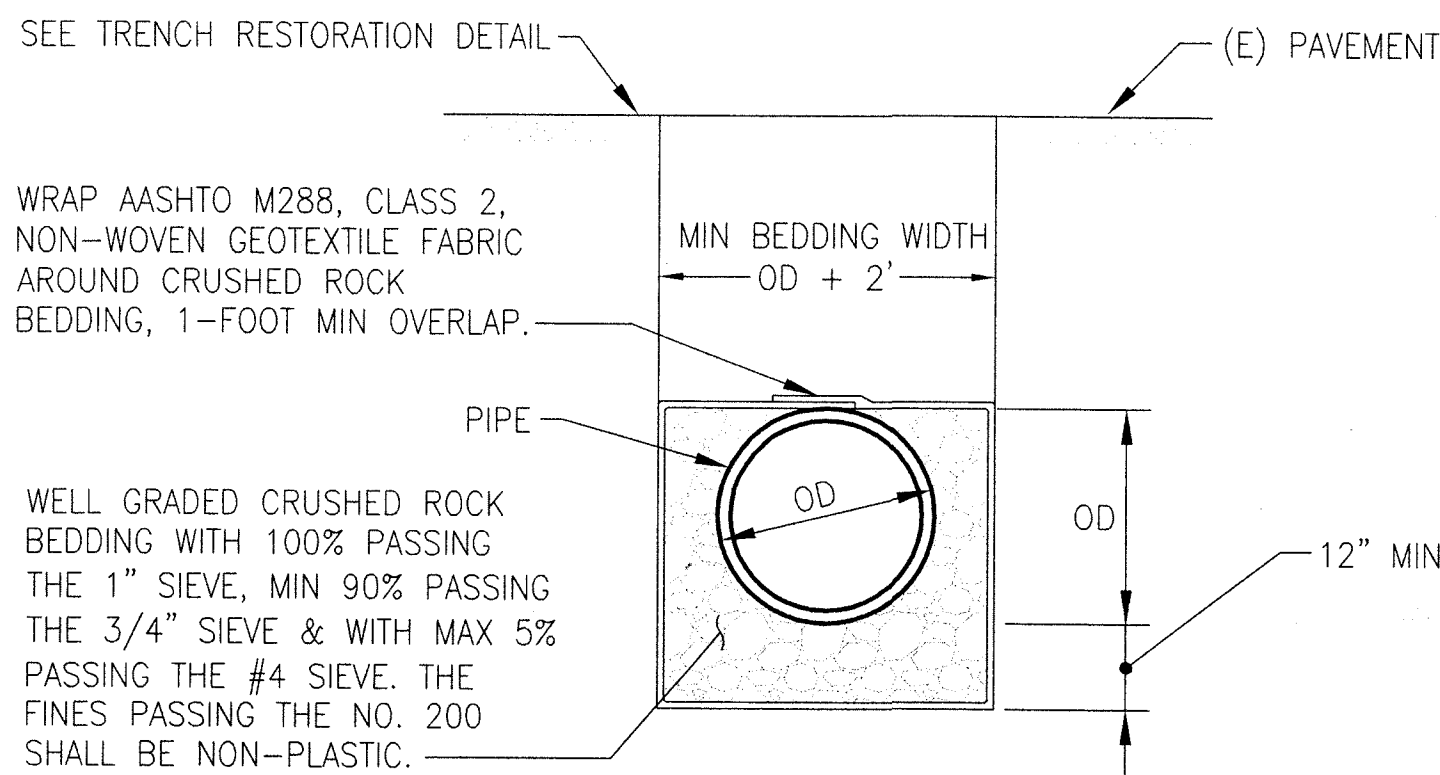
- NUMBER AND LOCATIONS OF SIDE SEWER CONNECTIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY SIDE SEWER CONNECTIONS IN THE FIELD.
- ALL GROUND SURFACE ELEVATIONS AND INVERT ELEVATIONS TO BE CONFORMED ARE APPROXIMATE.
- ELEVATIONS ARE IN REFERENCE TO S.F. CITY DATUM.
- IN ACCORDANCE WITH THE PROVISIONS OF THE CALIFORNIA PUBLIC CONTRACT CODE SECTION 3300, A BID SUBMITTED TO A PUBLIC AGENCY BY A CONTRACTOR WHO IS NOT LICENSED IN ACCORDANCE WITH CHAPTER 9 OF THE BUSINESS AND PROFESSIONS CODE SHALL BE CONSIDERED NON-RESPONSIVE AND SHALL BE REJECTED BY THE PUBLIC AGENCY.
- AT THE TIME THIS CONTRACT IS BID, THE CONTRACTOR SHALL POSSESS A STATE OF CALIFORNIA CLASS "A" GENERAL ENGINEERING CONTRACTOR'S LICENSE.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN PERMIT FROM SF PORT AND EXCAVATION PERMIT FROM SFPDW-STREET CONSTRUCTION COORDINATION CENTER LOCATED AT 875 STEVENSON STREET, ROOM 460.
- MAXIMUM TRENCH WIDTH SHALL BE THE LARGER OUTSIDE DIMENSION OF THE NEW OR EXISTING SEWER/STRUCTURE PLUS 1.5 FEET ON EACH SIDE.
- ALL NEW VCP AND RCP MAIN SEWERS SHALL BE CONSTRUCTED ON CRUSHED ROCK PER BEDDING DETAIL SHOWN BELOW UNLESS OTHERWISE NOTED.
- PIPE LENGTH SHOWN ON PROFILE INDICATES HORIZONTAL DISTANCE EXCLUDING INSIDE DIMENSION OF EACH SEWER MANHOLE/STRUCTURE.
- AFTER SEWER WORK HAS BEEN COMPLETED, THE CONTRACTOR SHALL CLEAN ALL CATCHBASINS SHOWN ON SW-DRAWINGS AND REPLACE CAST IRON WATER TRAP AS DIRECTED BY THE RESIDENT ENGINEERS.
- CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS AND BENCHMARKS LOCATED WITHIN THE CONTRACT LIMIT. CITY MONUMENTS LOCATED WITHIN 10 FEET OF TRENCH MUST BE REFERENCED PRIOR TO ANY DEMOLITION, AND A CORNER RECORD MUST BE FILED WITH THE COUNTY SURVEYOR'S OFFICE BY CONTACTING BUREAU OF STREET-USE AND MAPPING AT (415)554-5829. THE MONUMENTS MUST BE REVISITED AFTER CONSTRUCTION HAS BEEN COMPLETED TO VERIFY THAT NO MOVEMENT HAS OCCURRED. IF MONUMENTS ARE NOT REFERENCED PRIOR TO CONSTRUCTION, THE CITY WILL CHARGE \$ 7,500 A PIECE TO THE CONTRACTOR FOR REESTABLISHING THE MONUMENT.
- PRIOR TO ABANDONING EXISTING SEWER FACILITIES, CONTRACTOR SHALL VERIFY THAT THERE ARE NO ACTIVE CONNECTIONS TO THESE FACILITIES. CONTRACTOR SHALL NOTIFY RESIDENT ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.



TRENCH RESTORATION DETAIL
FOR ASPHALT STREET

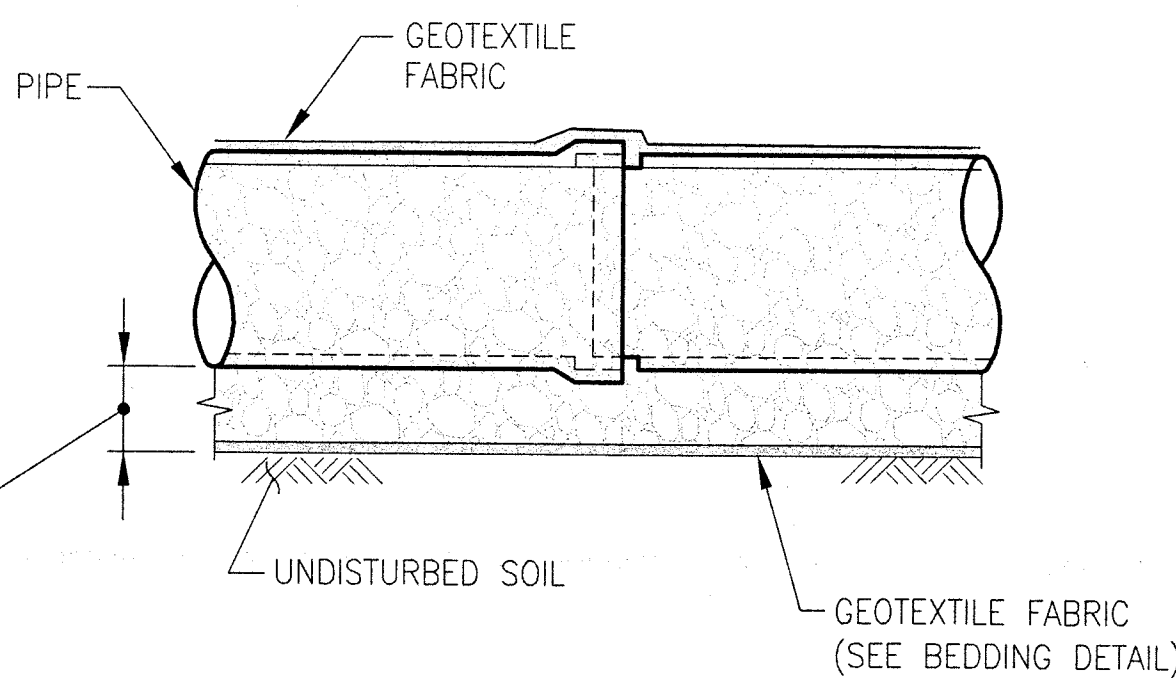
NTS

* LIMITS OF TEMPORARY AC PAVEMENT SHALL BE PER THIS DETAIL UNLESS SUBSEQUENT DRAWINGS DELINEATE WIDER AREA TO BE PAVED.



BEDDING DETAIL FOR RIGID PIPE

NTS



PIPE INSTALLATION

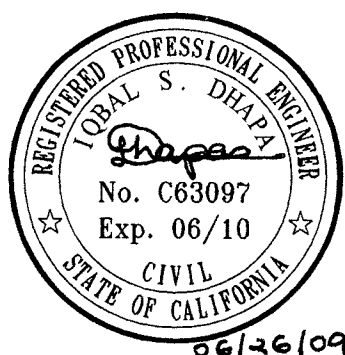
NTS

NO.	DATE	ISSUED FOR BIDS	DESCRIPTION	JF	ID
0	6/09	ISSUED FOR BIDS			
TABLE OF REVISIONS					
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION					

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED	DATE
JF Sd	6/2009
DRAWN	DATE
JL/EC	6/2009
CHECKED	DATE
GF	6/2009

APPROVED	DATE
[Signature]	6/26/09
SECTION MANAGER	DATE
[Signature]	6/23/09
DEPUTY BUREAU MANAGER	DATE
[Signature]	6/23/09
CITY ENGINEER	DATE
[Signature]	

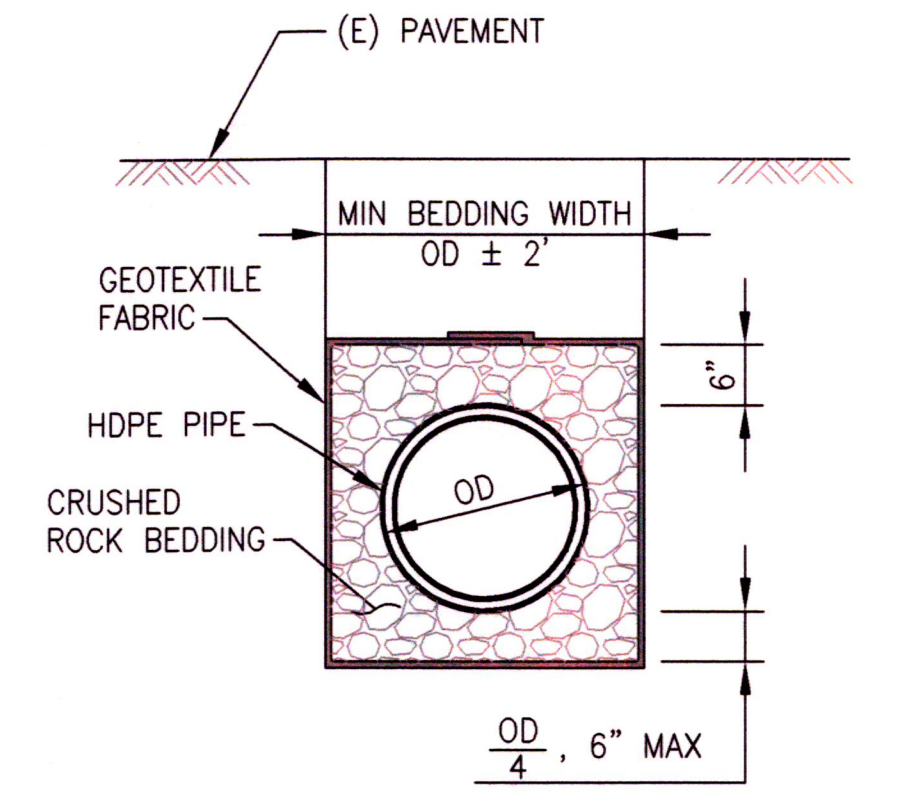
SCALE
AS SHOWN
SHEET OF SHEETS
11 OF 39

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET

SEWER WORK
LEGEND, ABBREVIATIONS, NOTES AND DETAILS

CONTRACT NO.	1498J
DRAWING NO.	SW-1
FILE NO.	89,946
REV. NO.	0

AS BUILT
Signed: [Signature]



BEDDING DETAIL FOR
DIRECT-BURY HDPE PIPE
NOT TO SCALE

NOTES:

- ONLY ROADWAY CONSTRUCTION WORK WILL BE DONE IN PHASES. SEE TRAFFIC SPECS FOR CONSTRUCTION PHASING DETAILS. SEWER AND DRAINAGE WORK WILL BE DONE CONTINUOUSLY.
- PRIOR TO REMOVAL OF TRENCH DRAIN, CONTRACTOR SHALL INVESTIGATE AND IDENTIFY ALL CONNECTIONS. CONNECTIONS SHALL BE RE-CONNECTED TO NEW DRAIN LINE.
- PRIOR TO ABANDONING THIS SEWER LINE, CONTRACTOR SHALL TELEVIEW IT TO LOCATE ALL ACTIVE CONNECTIONS. ALL ACTIVE CONNECTIONS SHALL BE EXTENDED AND RECONNECTED TO THE NEW 12" VCP SEWER MAIN.
- CONTRACTOR SHALL CONSTRUCT NEW MANHOLES UP TO FUTURE FINISHED GRADE LINE AND INSTALL TEMPORARY GRADE RINGS AS NEEDED TO CONFORM TO (E) GRADE ELEVATION. THESE GRADE RINGS SHALL BE REMOVED DURING ROADWAY CONSTRUCTION TO LOWER MANHOLE RIM TO CONFORM TO FINISHED GRADE. MAXIMUM DISTANCE FROM TOP OF CONE TO FINISHED ROADWAY SHALL BE 15".
- FOR NEW CATCH BASIN LOCATIONS AND TOP OF GRATE ELEVATIONS, REFER TO R-DWG.
- FRAME AND GRATED COVER FOR THIS MANHOLE SHALL BE H-20 RATED. USE MODEL R-1792-GG FROM NEENAH FOUNDRY COMPANY OR EQUIVALENT.
- CONTRACTOR SHALL CONTACT RICHARD KING OF SFMTA AT 415-401-3171 FOR SAFETY REQUIREMENTS WORKING AROUND MUNI TRACKS PRIOR TO CONSTRUCTION WORK.
- EXCEPT THE ABANDONED 30" FM, ALL OTHER SEWER AND DRAINAGE FACILITIES ON TAYLOR STREET FROM THE EMBARCADERO TO JEFFERSON STREET BELONG TO SFPORT.

SEWER SIZED BY
Y.W.
APPROVED BY
J.H.

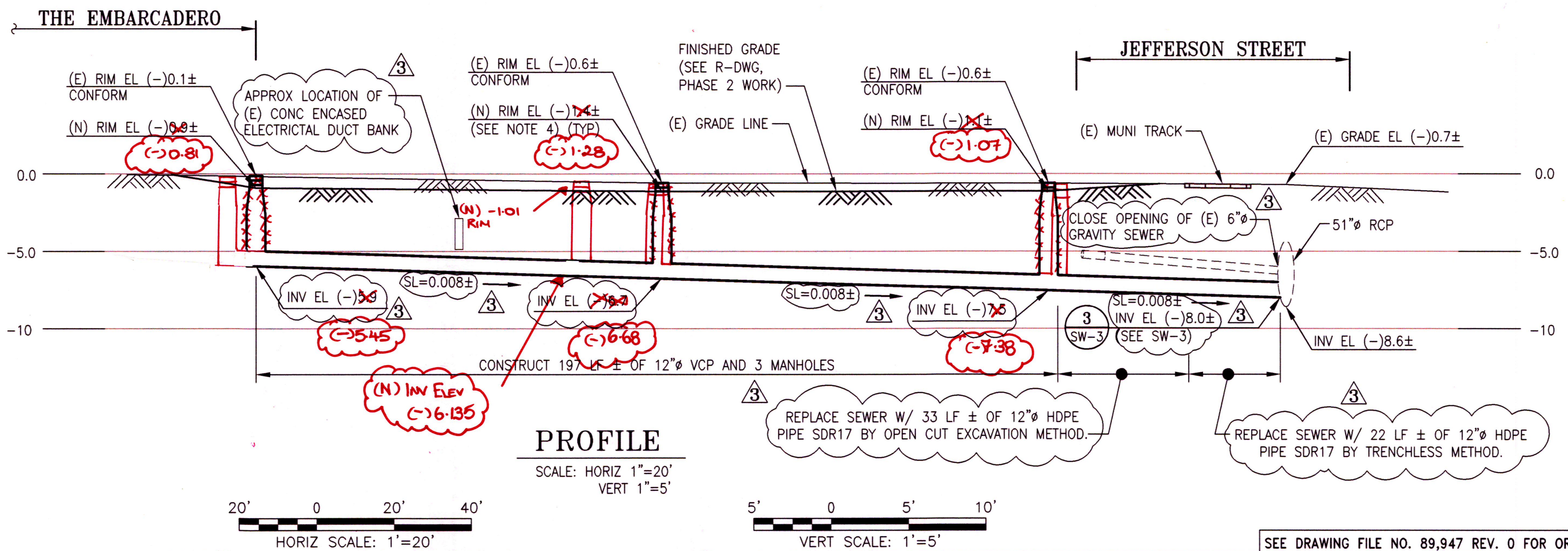
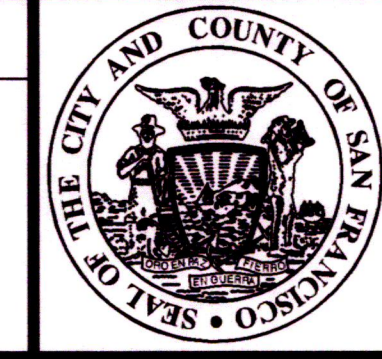
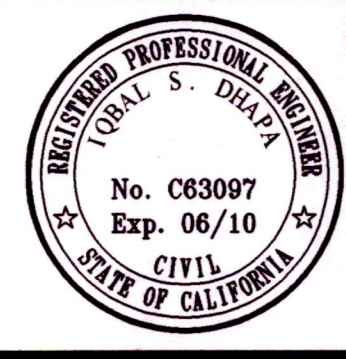


TABLE OF REVISIONS			
NO.	DATE	DESCRIPTION	BY APP.
1	1/22/10	REVISE MANHOLE LOCATIONS & PROFILE	JF ID
2	11/10/09	REVISE CONSTRUCTION METHOD	JF ID
3	10/1/09	ADDENDUM NO. 2	JF ID
4	6/09	ISSUED FOR BIDS	JF ID

REFERENCE INFORMATION
& FILE NO. OF SURVEYS
SFPC 9439-301-4



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED	DATE	APPROVED	
JF	6/2009		
DRAWN	DATE	SECTION MANAGER	DATE
JL/EC	6/2009		
CHECKED	DATE	DEPUTY BUREAU MANAGER	DATE
GF	6/2009		
		CITY ENGINEER	DATE

SCALE
AS SHOWN
SHEET OF SHEETS
12 OF 39

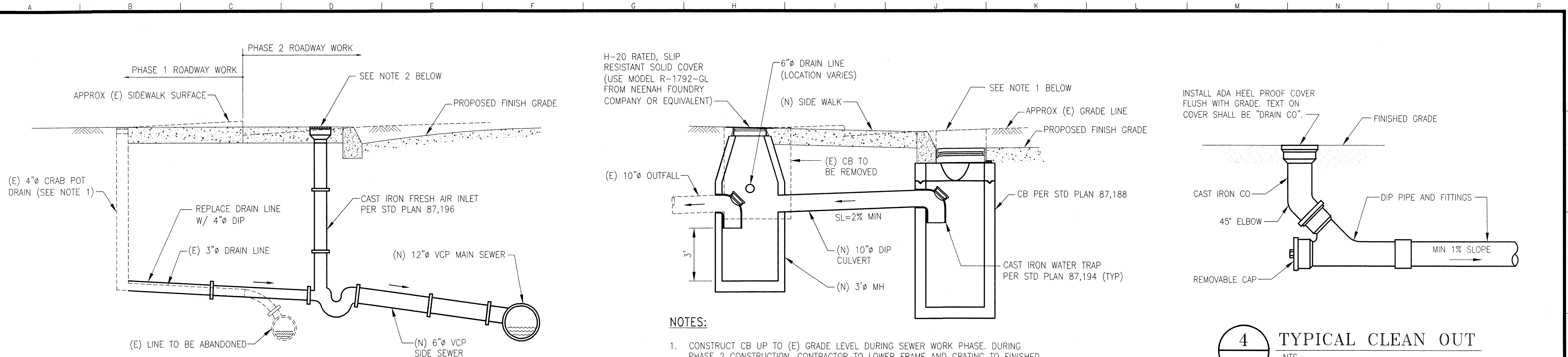
TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET
SEWER WORK
PLAN AND PROFILE

CONTRACT NO.
1498J
DRAWING NO.
SW-2
FILE NO.
89,947
REV. NO.
3

SEE DRAWING FILE NO. 89,947 REV. 0 FOR ORIGINAL MANAGERS' SIGNATURES

AS BUILT
Signed: [Signature]

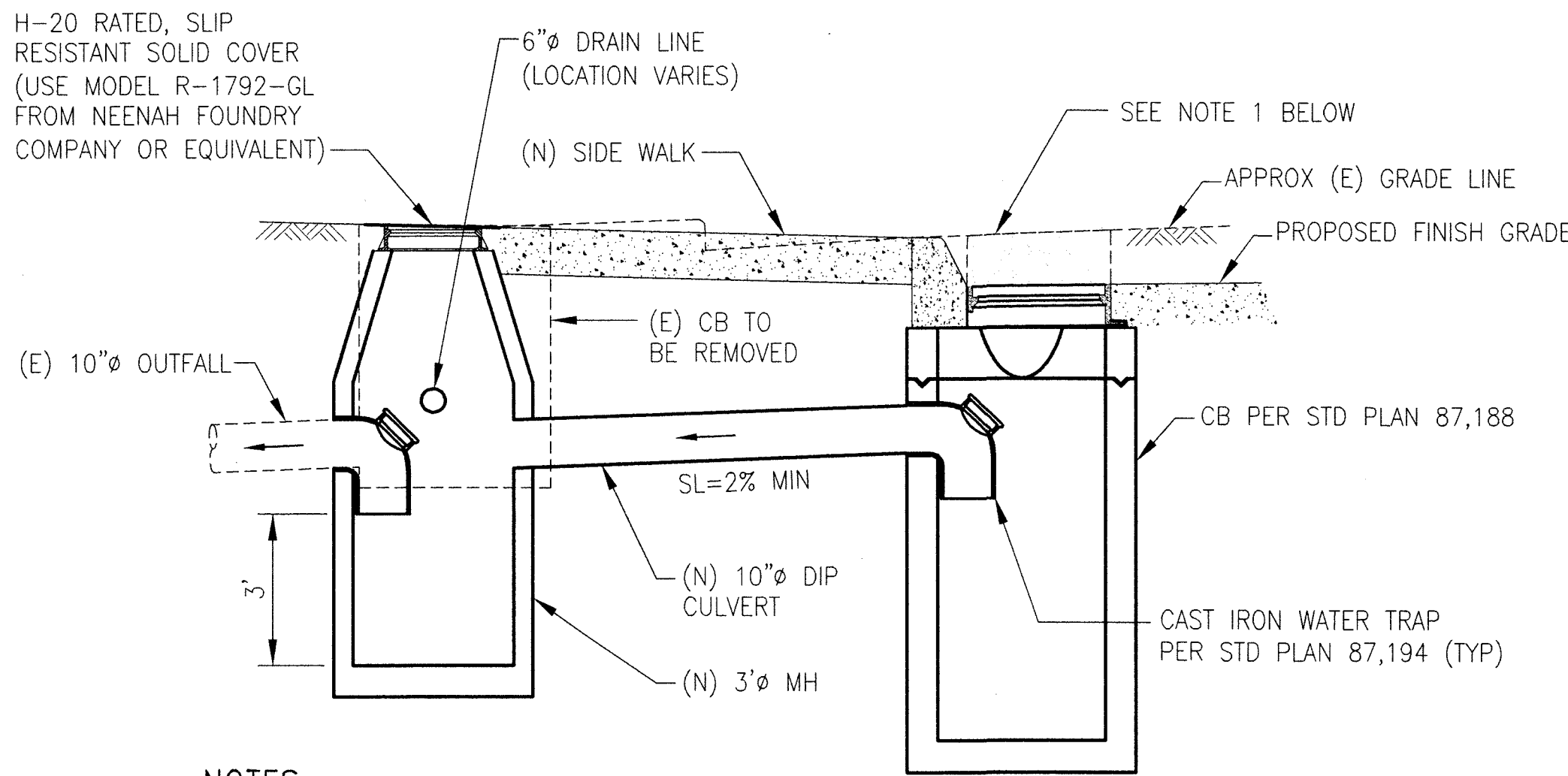
PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
SIGNED INSPECTOR [Signature]



NOTES:

- CONTRACTOR SHALL VERIFY SIZE OF (E) CRAB POT DRAIN IN THE FIELD. IF (E) SIZE IS SMALLER THAN 4"Ø, CONTRACTOR SHALL USE ENLARGER AT THE CONNECTION.
- TERMINATE AIR VENT 1' BELOW (E) GRADE & COVER WITH STEEL PLATE. EXTEND AIR VENT TO (N) SIDEWALK SURFACE AND INSTALL COVER DURING CONSTRUCTION OF NEW SIDEWALK UNDER PHASE 2 CONSTRUCTION.

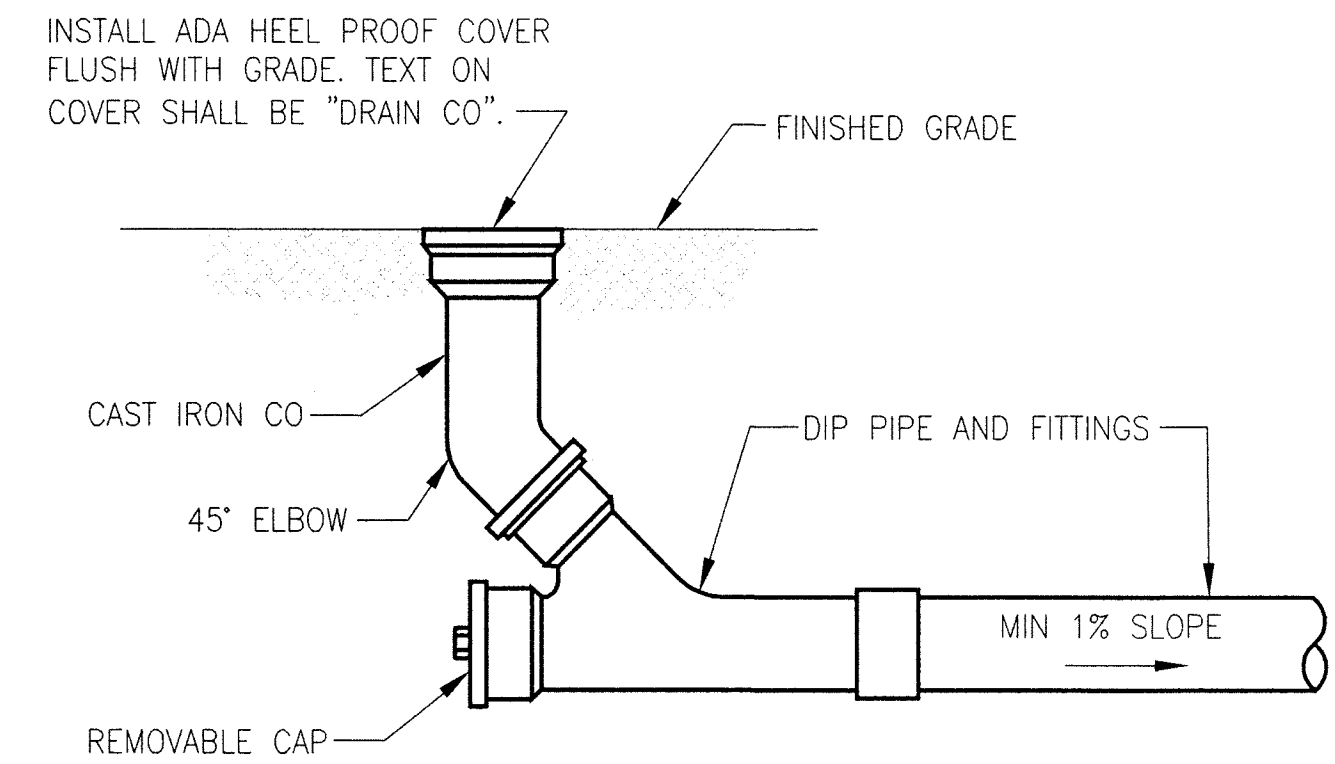
1 CRAB POT DRAIN LINE CONNECTION DETAIL (TYP)
SW-2 NTS



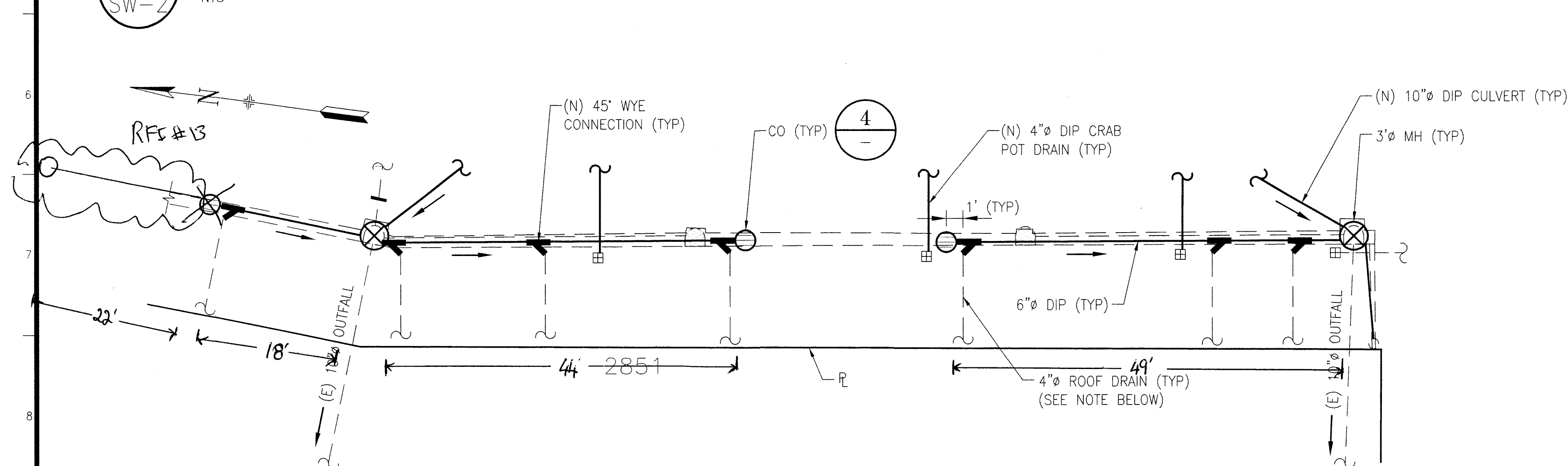
NOTES:

- CONSTRUCT CB UP TO (E) GRADE LEVEL DURING SEWER WORK PHASE. DURING PHASE 2 CONSTRUCTION, CONTRACTOR TO LOWER FRAME AND GRATING TO FINISHED GRADE LINE.
- REFER TO 87,181 FOR OTHER DETAILS OF MH.

2 CULVERT CONNECTION DETAIL (TYP)
SW-2 NTS



4 TYPICAL CLEAN OUT
NTS

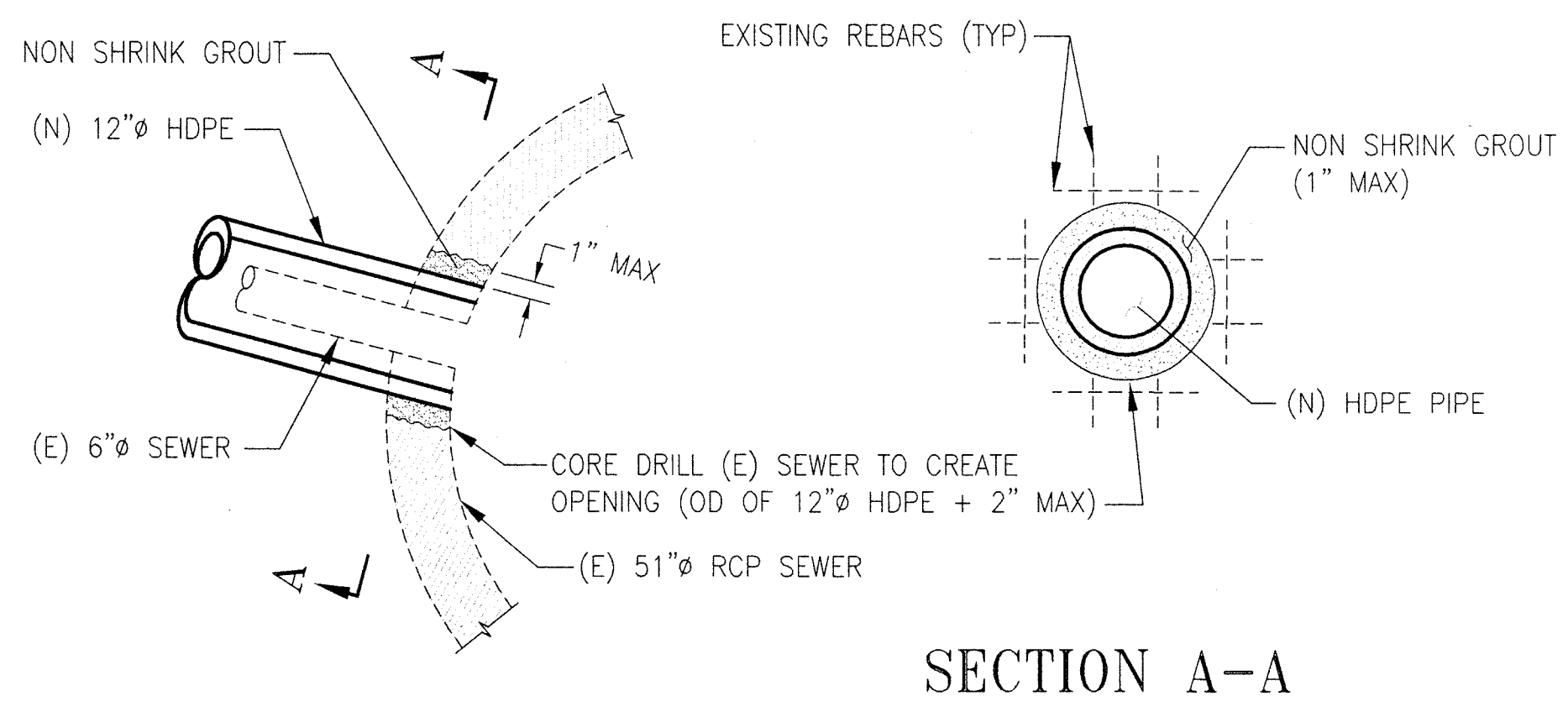


NOTE:

CONTRACTOR SHALL VERIFY SIZE OF (E) ROOF DRAIN AND USE NECESSARY FITTINGS FOR CONNECTION OF THE EXISTING PIPE TO NEW DIP.

ENLARGED 6"Ø DIP DRAIN LAYOUT PLAN
SCALE: 1"=10'

3 CONNECTION DETAIL TO (E) RCP SEWER
SW-2 NTS

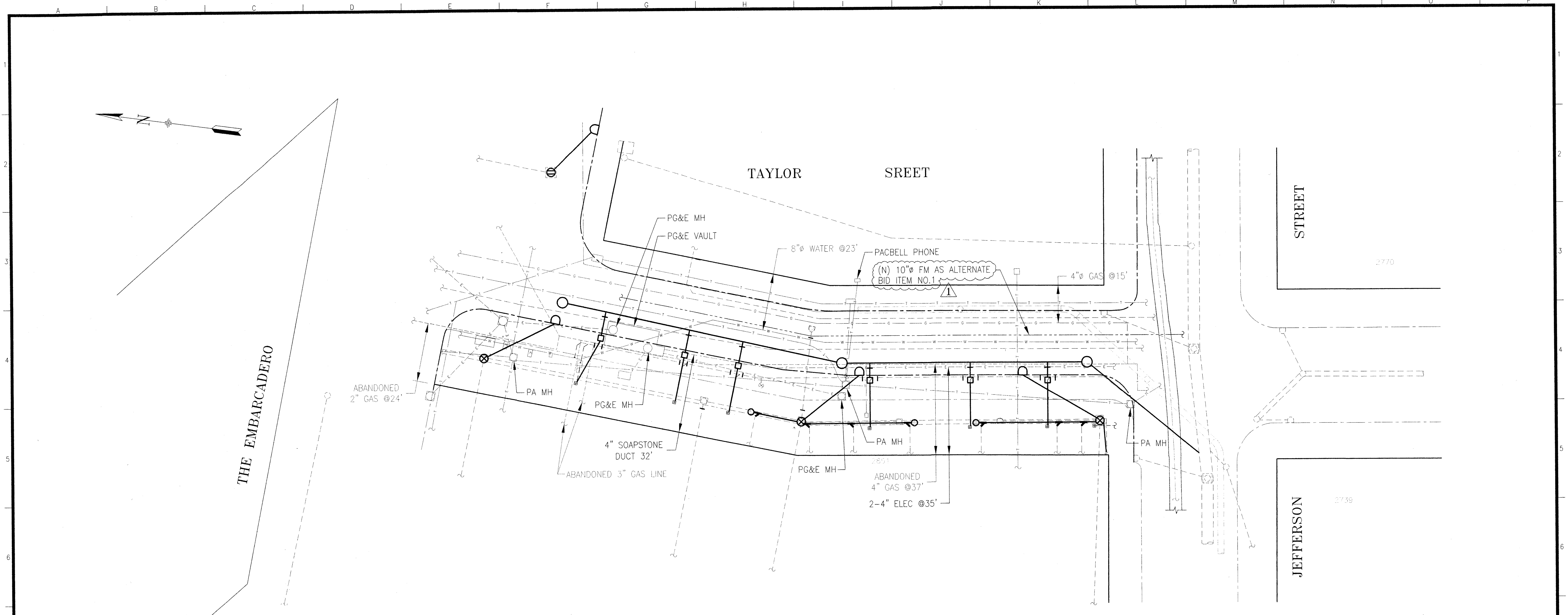


SECTION A-A

REFERENCE INFORMATION & FILE NO. OF SURVEYS				BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO				DESIGNED: JF SF 6/2009 DRAWN: JF EC 6/2009 CHECKED: GF 6/2009				APPROVED: [Signature] 6/26/09 SECTION MANAGER: [Signature] 4/9/09 DEPUTY BUREAU MANAGER: [Signature] 6/26/09 CITY ENGINEER: [Signature]				SCALE: AS NOTED SHEET OF SHEETS: 13 OF 39				TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET				CONTRACT NO. 1498J DRAWING NO. SW-3 FILE NO. 89,948 REV. NO. 0			
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AS BUILT
Signed *[Signature]*

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
IN WRITING AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
[Signature]
SIGNED INSPECTOR



LEGEND

- NEW SEWER OR CULVERT
- - - EXISTING SEWER OR CULVERT
- w - w - EXISTING WATER MAIN
- t - t - EXISTING AT & T (TELEPHONE)
- e - e - EXISTING PG & E ELECTRICITY
- g - g - EXISTING PG & E GAS
- - - ABANDONED GAS LINE
- EXISTING MUNI TRACKS
- - - EXISTING MUNI OVERHEAD WIRE
- - - NEW ROAD CURB LINE
- - - EXISTING ROAD CURB LINE

PLAN

SCALE: 1"=20'

CAUTION

THESE DATA ARE COMPILED FROM INFORMATION FURNISHED BY
THE VARIOUS UTILITIES, AND THE CITY DOES NOT GUARANTEE
THEIR ACCURACY.

IT IS NOT A CONSTRUCTION DRAWING. IT IS INCLUDED ONLY FOR
THE ASSISTANCE OF THE CONTRACTOR.

FOR CONSTRUCTION DATA, SEE APPROPRIATE CONTRACT PLANS.

SEE DRAWING FILE NO. 89,949 REV. 0 FOR ORIGINAL MANAGERS' SIGNATURES

NO.	DATE	DESCRIPTION	BY	APP.
10/1/09		ADDENDUM NO. 2	JF	ID
6/09		ISSUED FOR BIDS	JF	ID
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED	DATE	APPROVED
JF	6/2009	
DRAWN	DATE	SECTION MANAGER
JL/EC	6/2009	
CHECKED	DATE	DEPUTY BUREAU MANAGER
CF	6/2009	
		CITY ENGINEER

SCALE
AS SHOWN
SHEET OF SHEETS
14 OF 39

TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET
UTILITY OCCUPANCY

CONTRACT NO. 1498J
DRAWING NO. U-1
FILE NO. 89,949
REV. NO. 1

AS-BUILT

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
SIGNED-INSPECTOR

SYMBOLS				ABBREVIATIONS			
FURNISH & INSTALL	EXISTING TO REMAIN	EXISTING TO BE REMOVED	DESCRIPTION	AWG	AMERICAN WIRE GAUGE	R	RED
			CONDUIT & WIRE AS SPECIFIED IN SCHEDULE, NOTES, OR CONTRACT SPECIFICATIONS	BP	SIGNAL BACKPLATE	R/C	REMOVE FROM SITE OF WORK AS CONTRACTOR'S PROPERTY
			TRAFFIC SIGNAL, SL, OR OTHER UTILITY CONDUIT	BSCW	BARE STRANDED COPPER WIRE	RH	RED HAND
			INTERCEPT AND CUT (E) CONDUIT. COUPLE (N) CONDUIT OF SAME SIZE & MATERIAL TO (E) AND EXTEND TO (N) LOCATION AS SHOWN. R/C (E) WIRE TO NEAREST SPLICE POINT. F/I (N) WIRES PER CONDUIT & WIRING SCHEDULE.	C	CONDUIT	R/R	REMOVE AND RELOCATE, OR REMOVE AND REINSTALL AS APPLICABLE
			8" (200mm) VEHICLE SIGNAL FACE & MOUNTING FRAMEWORK	CTSP	STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS AND STANDARD SPECIFICATIONS, RESPECTIVELY, DATED MAY 2006.	R/S	REMOVE AND SALVAGE AS CITY'S PROPERTY
			12" (300mm) VEHICLE SIGNAL FACE & MOUNTING FRAMEWORK	CTSS	STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS AND STANDARD SPECIFICATIONS, RESPECTIVELY, DATED MAY 2006.	R/W	RIGHT OF WAY
			12" (300mm) VEHICLE SIGNAL FACE WITH BACKPLATE & MOUNTING FRAMEWORK	DWG	DRAWING	RT	RED "T"
			COUNTDOWN PEDESTRIAN SIGNAL FACE & MOUNTING FRAMEWORK	(E), EX	EXISTING	SCGW	STRANDED COPPER GROUND WIRE
			"M" I/C CABINET FOUNDATION & CABINET	F/I	FURNISH AND INSTALL UNDER THIS CONTRACT	SL	STREET LIGHT
			STREETLIGHT WITH COBRA HEAD LUMINAIRE & 1.83m (6') BRACKET ARM, UON	FRH	FLASHING RED HAND	SP	SPARE
			TRAFFIC SIGNAL, STREETLIGHT, MUNI, OR COMBINATION TRAFFIC SIGNAL-STREETLIGHT POLE, OR COMBINATION TRAFFIC SIGNAL-STREETLIGHT-MUNI POLE	FWT	FLASHING WHITE "T"	SPDPWSF	STANDARD PLAN, DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF SAN FRANCISCO, APRIL 2007.
			PULL BOX TYPE I	G	GREEN	SSDPWSF	STANDARD SPECIFICATION, DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF SAN FRANCISCO, APRIL 2007.
			PULL BOX TYPE III	GND	GROUND	SY	SOLID YELLOW
			PG&E SERVICE PULL BOX	GO	GENERAL ORDER	T	TUNNEL VISOR
				GRSC	GALVANIZED RIGID STEEL CONDUIT	TBD	TO BE DETERMINED
				HDPE	HIGH DENSITY POLYETHYLENE	TS	TRAFFIC SIGNAL
				IC, I/C	INTERSECTION CONTROLLER	TYP	TYPICAL
				LGT	LIGHT	U.O.N., UON	UNLESS OTHERWISE NOTED
				LED	LIGHT EMITTING DIODES	UB	UTILITY BOX
				(N)	NEW	VEH	VEHICLE
				NTS, N.T.S.	NOT TO SCALE	WM	WALKING MAN
				PED	PEDESTRIAN	WP	WOOD POLE
				PED(S) XING	PEDESTRIAN(S) CROSSING		
				PVC	POLYVINYL CHLORIDE		

5 SEE SHEET NOTE 5, TYP

1 POLE NUMBER #1, TYP

2 CONDUIT RUN NUMBER 2, TYP

PIB R/S (E) FACILITY AND F/I (N) FACILITY IN SAME LOCATION AS SHOWN. FACILITIES TO INCLUDE: PULL BOXES, POLES, INTERSECTION CONTROLLERS, ETC. MODIFY (E) CONDUITS AND F/I WIRES PER CONDUIT & WIRING SCHEDULE.

- GENERAL NOTES
- THESE ELECTRICAL PLANS ARE DIAGRAMMATIC AND ARE CORRECT FOR GENERAL DESIGN ONLY. THE EXACT LOCATIONS OF POLES, PULL BOXES, AND CONDUIT ROUTING MAY VARY DEPENDING ON SITE CONDITIONS AND SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE DPT ENGINEER.
 - SYMBOLS, ABBREVIATIONS AND GENERAL NOTES APPLY TO ALL "TS" DRAWINGS. NOT ALL SYMBOLS ARE USED.
 - SPECIAL INSTRUCTION TO THE CONTRACTOR: IT IS EXPECTED THAT AN ELECTRICAL CONTRACTOR SHALL BE ABLE TO INTERPRET THE DESIGNED TRAFFIC PHASING AND THE WIRING SHOWN ON THE PLANS AND ENSURE THAT THE NET RESULT WILL OPERATE CORRECTLY. ANY IRREGULARITIES SHALL BE BROUGHT TO THE ATTENTION OF THE DPT ENGINEER IMMEDIATELY.
 - PROTECT AND WORK AROUND ALL (E) FACILITIES ADJACENT TO WORK AREA, THESE FACILITIES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: TREES, LANDSCAPING, HYDRANTS, AND UTILITY POLES.
 - COORDINATE WITH RESIDENT ENGINEER TO REFERENCE (E) SURVEY MONUMENTS BEFORE CONSTRUCTION: 48 HOURS ADVANCE NOTICE IS REQUIRED.
 - MAINTAIN AND KEEP TRAFFIC SIGNALS IN OPERATION AT ALL TIMES DURING CONSTRUCTION.
 - ALL CALTRANS TYPE STANDARDS SHALL BE IN ACCORDANCE WITH SECT. 86-2.04 OF CTSS WITH THE FOLLOWING EXCEPTION: MAST ARM POLE HANDHOLES ARE 180' AWAY FROM THE CURB AND SL POLE HANDHOLES ARE 90' AWAY FROM THE CURB AND OPPOSITE THE DIRECTION OF ONCOMING TRAFFIC.
 - (N) UNDERGROUND CONDUITS SHALL MAINTAIN THE REQUIRED CLEARANCE FROM OTHER UTILITIES PER G.O. 128. (N) POLES AND OVERHEAD WIRES SHALL MAINTAIN THE REQUIRED CLEARANCE FROM OTHER UTILITIES PER G.O. 95.
 - NEW CONDUITS RUNNING IN THE SAME DIRECTION MAY BE JOINT TRENCHED.
 - F/I GROUND WIRES IN ALL TRAFFIC SIGNAL, STREETLIGHT, AND SERVICE CONDUIT. SEE CONTRACT SPECS.
 - (E) POLES TO BE REMOVED: R/S OR R/C THE POLE PER DPT ENGINEER. R/C FOUNDATION 3' FROM GRADE FOR LOCATIONS IN WHICH A (N) POLE IS BEING F/I IN PLACE OF AN (E) POLE. OTHERWISE, REMOVE ENTIRE FOUNDATION.

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS

DEPARTMENT OF PARKING AND TRAFFIC

DIVISION OF TRAFFIC ENGINEERING

CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: DATE: 6/09

DY 6/09

DRAWN: DATE: 6/09

DY 6/09

CHECKED: DATE: 6/09

CH 6/09

APPROVED

SECTION ENGINEER

CITY TRAFFIC ENGINEER

SCALE: NONE

SHEET OF SHEETS 23 OF 39

TAYLOR STREET IMPROVEMENTS

TRAFFIC SIGNAL LEGEND

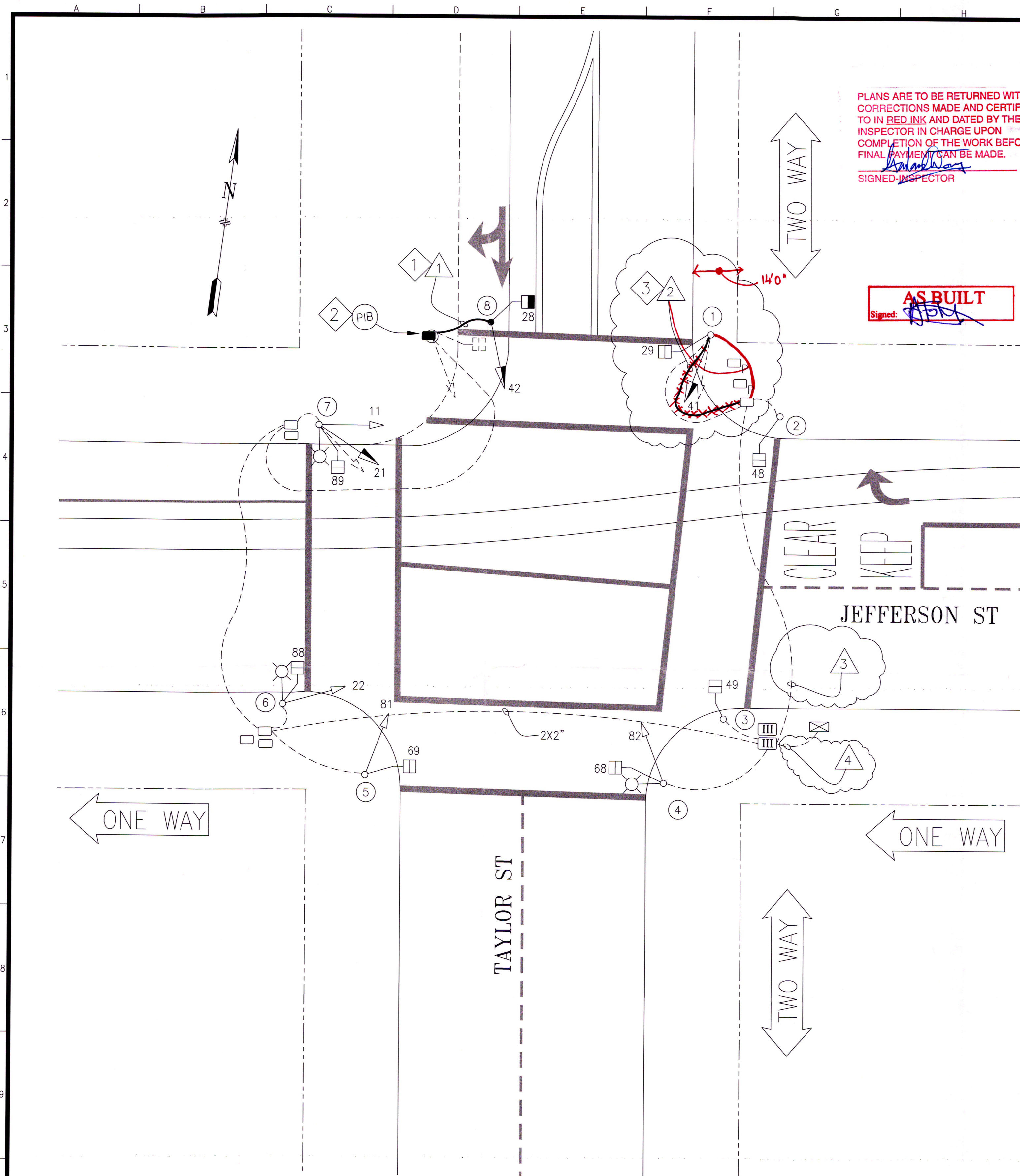
SYMBOLS, ABBREVIATIONS & GENERAL NOTES

CONTRACT NO. 1498J

DRAWING NO. TS-1

FILE NO. 89,956

REV. NO.



PLANS ARE TO BE RETURNED WITH CORRECTIONS MADE AND CERTIFIED TO IN RED INK AND DATED BY THE INSPECTOR IN CHARGE UPON COMPLETION OF THE WORK BEFORE FINAL PAYMENT CAN BE MADE.

AS BUILT
Signed: [Signature]

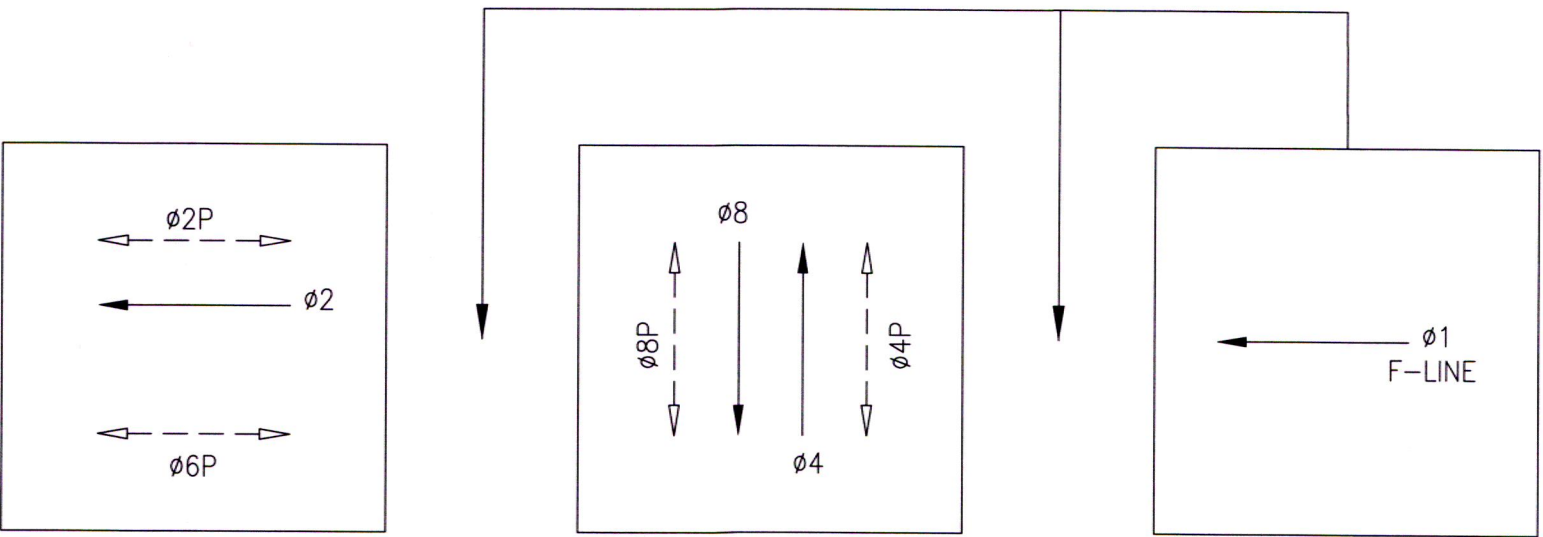
POLE AND EQUIPMENT SCHEDULE						CONTRACT WORK IN BOLD			
POLE No.	TYPE OF POLE	LUMINAIRE(HPS) VOLTAGE/WATTS	No.	VEHICLE SIGNAL		PEDESTRIAN SIGNAL			REMARKS
				TYPE	MOUNTING	VISORS	No.	TYPE	
1	TYPE 1-A (10')	-	41	3S12"	TV-1-T	T	29	1S-COUNT	REPLACED 8" SIGNAL HEAD WITH 12" SIGNAL HEAD
2	TYPE 1-A (10')	-	-	-	-	-	48	1S-COUNT	EXISTING TO REMAIN
3	TYPE 1-A (10')	-	-	-	-	-	49	1S-COUNT	EXISTING TO REMAIN
4	SL POLE	UNKNOWN	82	3S8"	SV-1-T	T	68	1S-COUNT	EXISTING TO REMAIN
5	TYPE 1-A (10')	-	81	3S8"	TV-1-T	T	69	1S-COUNT	EXISTING TO REMAIN
6	SL POLE	UNKNOWN	22	3S8"	SV-1-T	T	88	1S-COUNT	EXISTING TO REMAIN
7	TROLLEY POLE WITH SL	UNKNOWN	21 11	3S12" 2S8" T	SV-1-T SV-1	T T	89	1S-COUNT	REPLACED 8" SIGNAL HEAD WITH 12" SIGNAL HEAD
8	TYPE 1-A (10')	-	42	3S12"	TV-1-T	T	28	1S-COUNT	NEW POLE AND 12" SIGNAL HEAD

DETAIL NOTES:

- EXTEND NEW CONDUIT AND WIRING TO NEW POLE, PER SCHEDULE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
- PROVIDE NEW TYPE 1 PULL BOX TO INTERCEPT EXISTING CONDUIT. CONNECT NEW WIRING TO EXISTING WIRING.
- F/I NEW CONDUIT AND WIRING TO EXISTING POLE, PER SCHEDULE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.

CONDUIT AND WIRING SCHEDULE (F/I)				
CONDUIT RUN NUMBER	1	2	3	4
CONDUIT SIZE (INCH)	2 INCH	2 INCH	(E)	(E)
NOTES	1	3		
#14 WIRES				
VEH SIGNAL 42	3			
PED SIGNAL 28	2			
VEH SIGNAL 41		3	3	3
PED SIGNAL 29		2	2	2
#14 WIRES NEUTRAL	2	2		
TOTAL #14 WIRES	7	7		

PHASE DIAGRAM



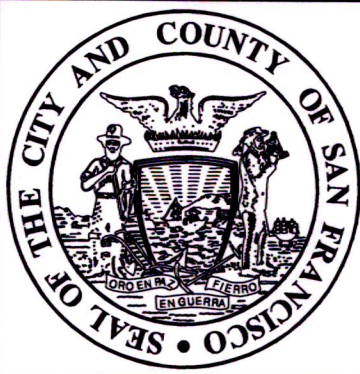
PHASE SEQUENCE

G	Y	R	R	JEFFERSON ST. (WB)	ø2
R	G	Y	R	TAYLOR ST. (NB)	ø4
R	G	Y	R	TAYLOR ST. (SB)	ø8
RT				F-LINE (WB)	ø1
WM	FRH	RH		PED XING TAYLOR ST (N/S & S/S)	ø2P & ø6P
RH		WM	FRH	PED XING JEFFERSON ST (E/S)	ø4P
RH		WM	FRH	PED XING JEFFERSON ST (W/S)	ø8P
PRIORITY					



TABLE OF REVISIONS					
NO.	DATE	DESCRIPTION	BY	APP.	
1	5/10	ADD CONDUIT 2 & (N) WIRING AS CHANGE ORDER WORK	DY	CH	
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION					

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: DATE: 6/09
DRAWN: DATE: 6/09
CHECKED: DATE: 6/09
CH

APPROVED
SECTION ENGINEER DATE:
CITY TRAFFIC ENGINEER DATE:

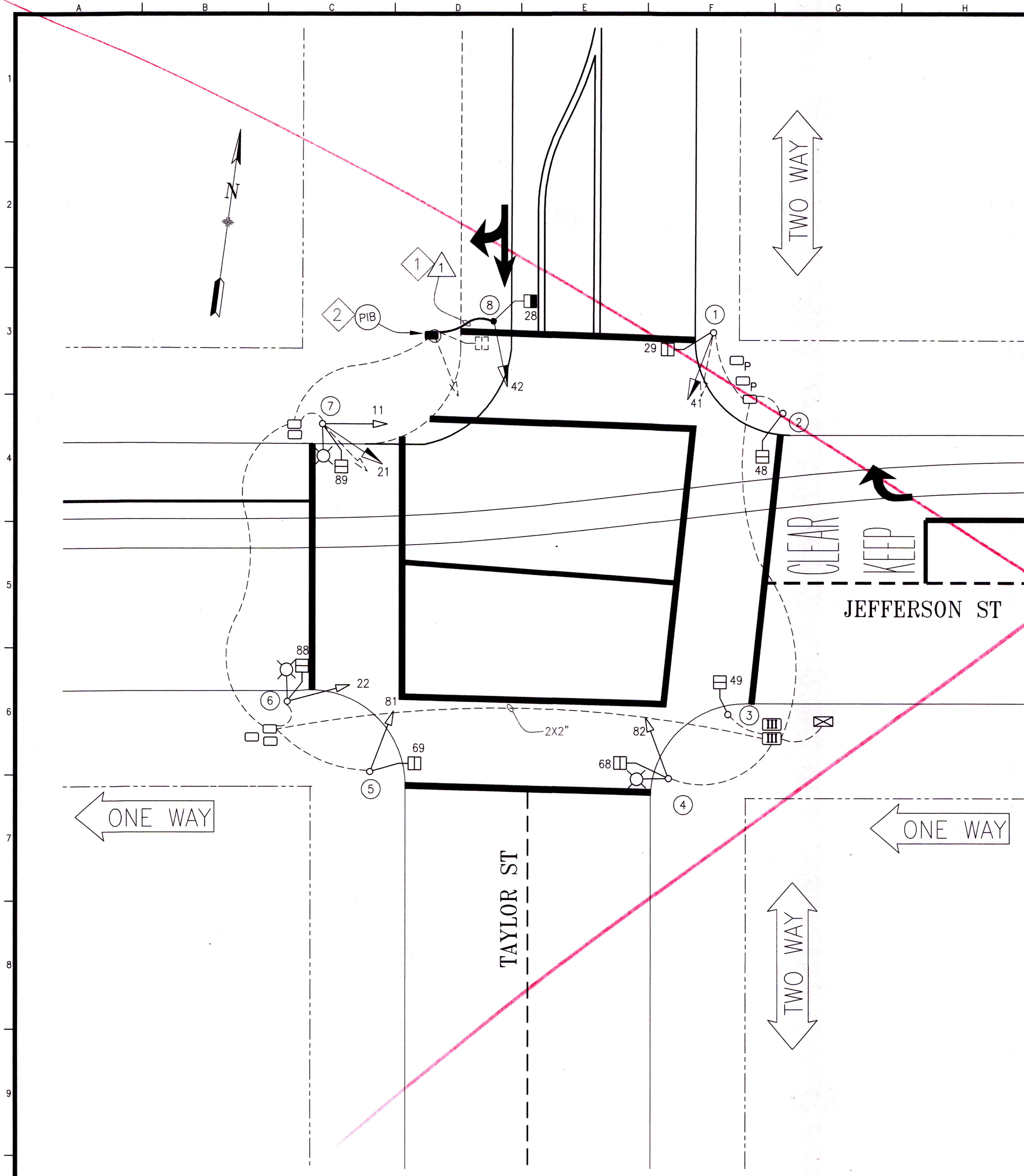
SCALE: 1" = 10'
SHEET OF SHEETS 23 OF 30

TAYLOR STREET IMPROVEMENTS
TRAFFIC SIGNAL MODIFICATIONS
JEFFERSON ST AND TAYLOR ST

CONTRACT NO. 1498J
DRAWING NO. TS-2
FILE NO. 89,957
REV. NO. 1

AS BUILT
Signed: [Signature]

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
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COMPLETION OF THE WORK BEFORE
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DRAWING NUMBER: TS-2 REV. 1
SIGNED-INSPECTOR



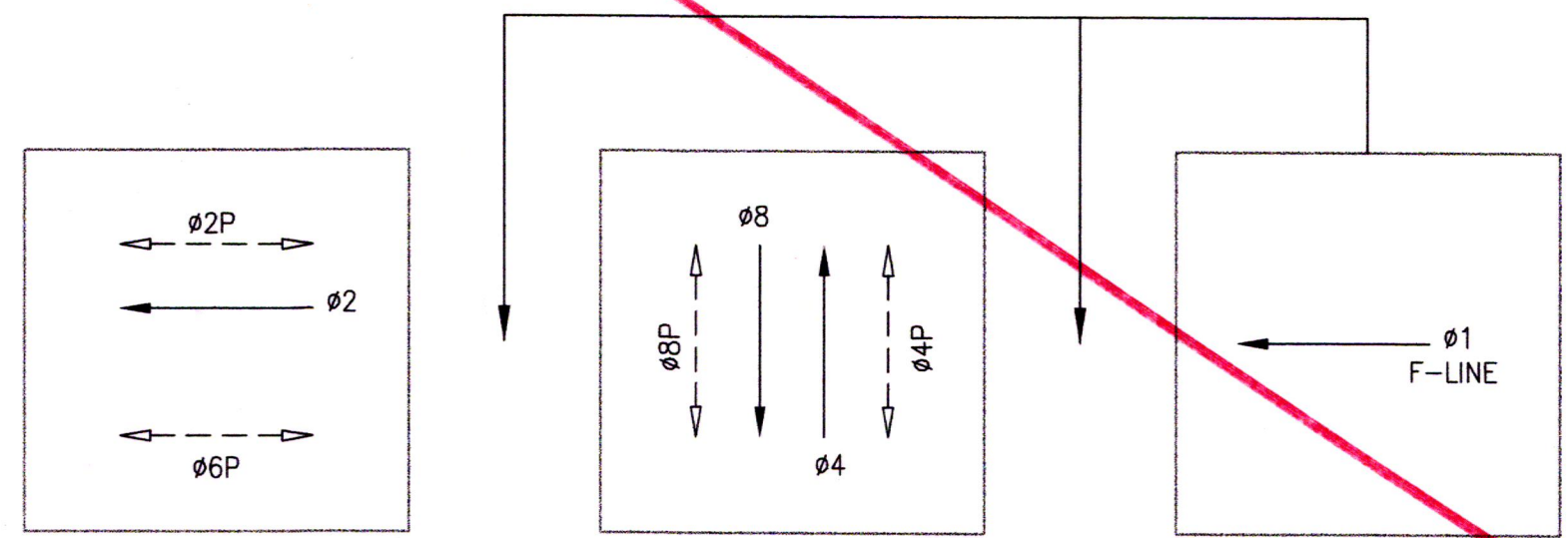
POLE AND EQUIPMENT SCHEDULE						CONTRACT WORK IN BOLD			
POLE No.	TYPE OF POLE	LUMINAIRE(HPS) VOLTAGE/WATTS	VEHICLE SIGNAL			PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	No.	TYPE	
1	TYPE 1-A (10')	-	41	3S12"	TV-1-T	T	29	1S-COUNT	REPLACED 8" SIGNAL HEAD WITH 12" SIGNAL HEAD
2	TYPE 1-A (10')	-	-	-	-	-	48	1S-COUNT	EXISTING TO REMAIN
3	TYPE 1-A (10')	-	-	-	-	-	49	1S-COUNT	EXISTING TO REMAIN
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- 1 EXTEND NEW CONDUIT AND WIRING TO NEW POLE, PER SCHEDULE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
- 2 PROVIDE NEW TYPE 1 PULL BOX TO INTERCEPT EXISTING CONDUIT. CONNECT NEW WIRING TO EXISTING WIRING.

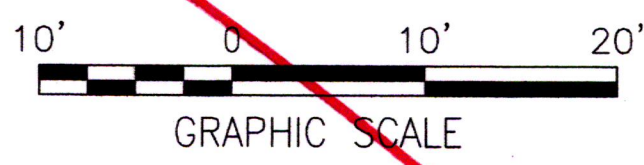
CONDUIT AND WIRING SCHEDULE (F/I)			
CONDUIT RUN NUMBER	1		
CONDUIT SIZE (INCH)	2 INCH		
NOTES	1		
#14 WIRES			
VEH SIGNAL 42	3		
PED SIGNAL 28	2		
#14 WIRES NEUTRAL	2		
TOTAL #14 WIRES	7		

PHASE DIAGRAM



PHASE SEQUENCE

G		Y	R			R			JEFFERSON ST. (WB)			02
R			G		Y	R	R			TAYLOR ST. (NB)		04
R			G		Y	R	R			TAYLOR ST. (SB)		08
RT						RT	WT	FWT	RT	F-LINE (WB)		01
WM	FRH	RH				RH			PED XING TAYLOR ST (N/S & S/S)			02P & 06P
RH			WM	FRH	RH		RH			PED XING JEFFERSON ST (E/S)		04P
RH			WM	FRH	RH		RH			PED XING JEFFERSON ST (W/S)		08P
						PRIORITY						



NO.	DATE	DESCRIPTION	BY	APP.
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 6/09
DY
DRAWN: DATE: 6/09
DY/GH
CHECKED: DATE: 6/09
CH

APPROVED
[Signature]
SECTION ENGINEER
[Signature]
CITY TRAFFIC ENGINEER

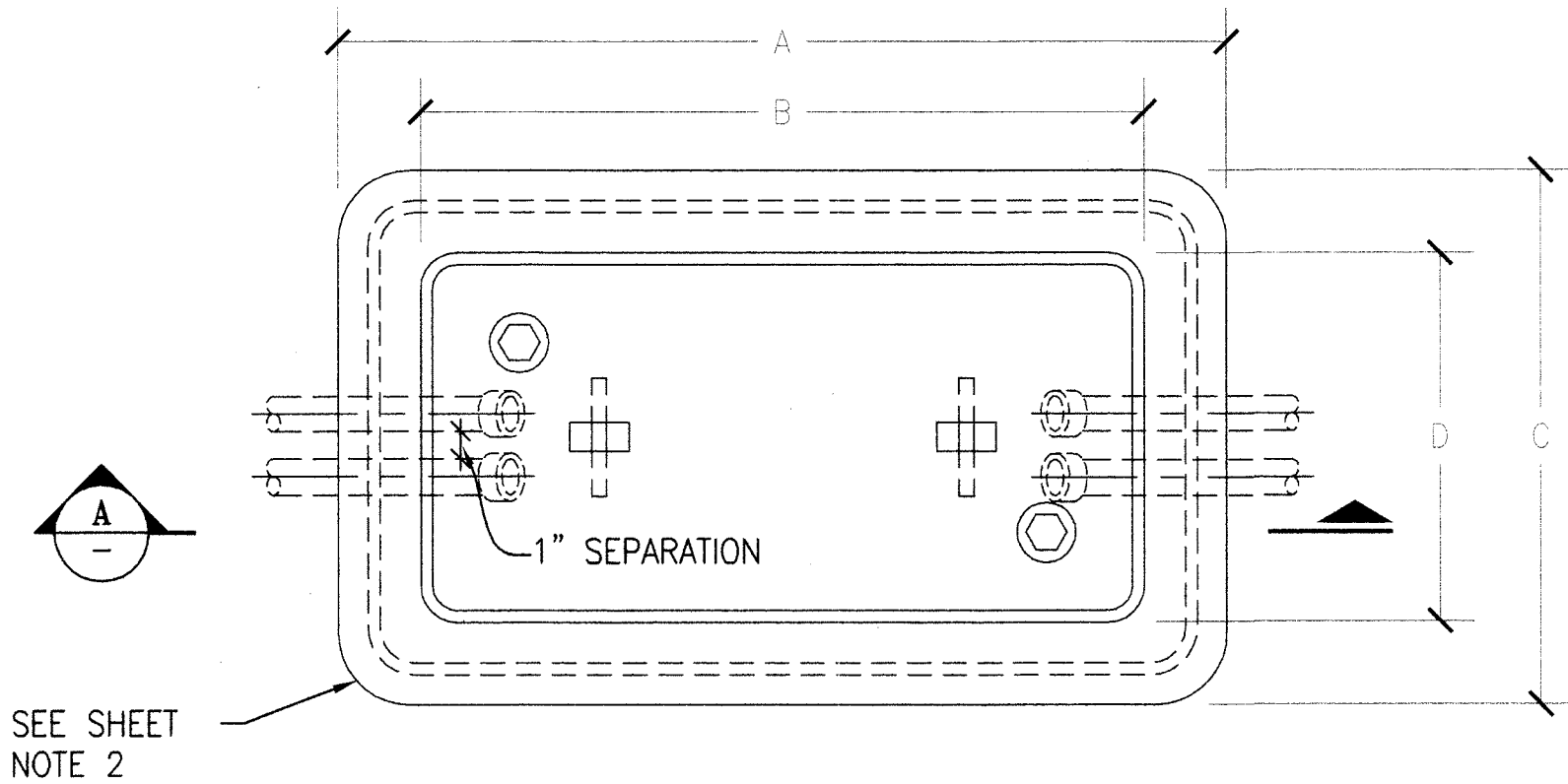
SCALE: 1" = 10'
SHEET OF SHEETS 24 OF 39

TAYLOR STREET IMPROVEMENTS
TRAFFIC SIGNAL MODIFICATIONS
JEFFERSON ST AND TAYLOR ST

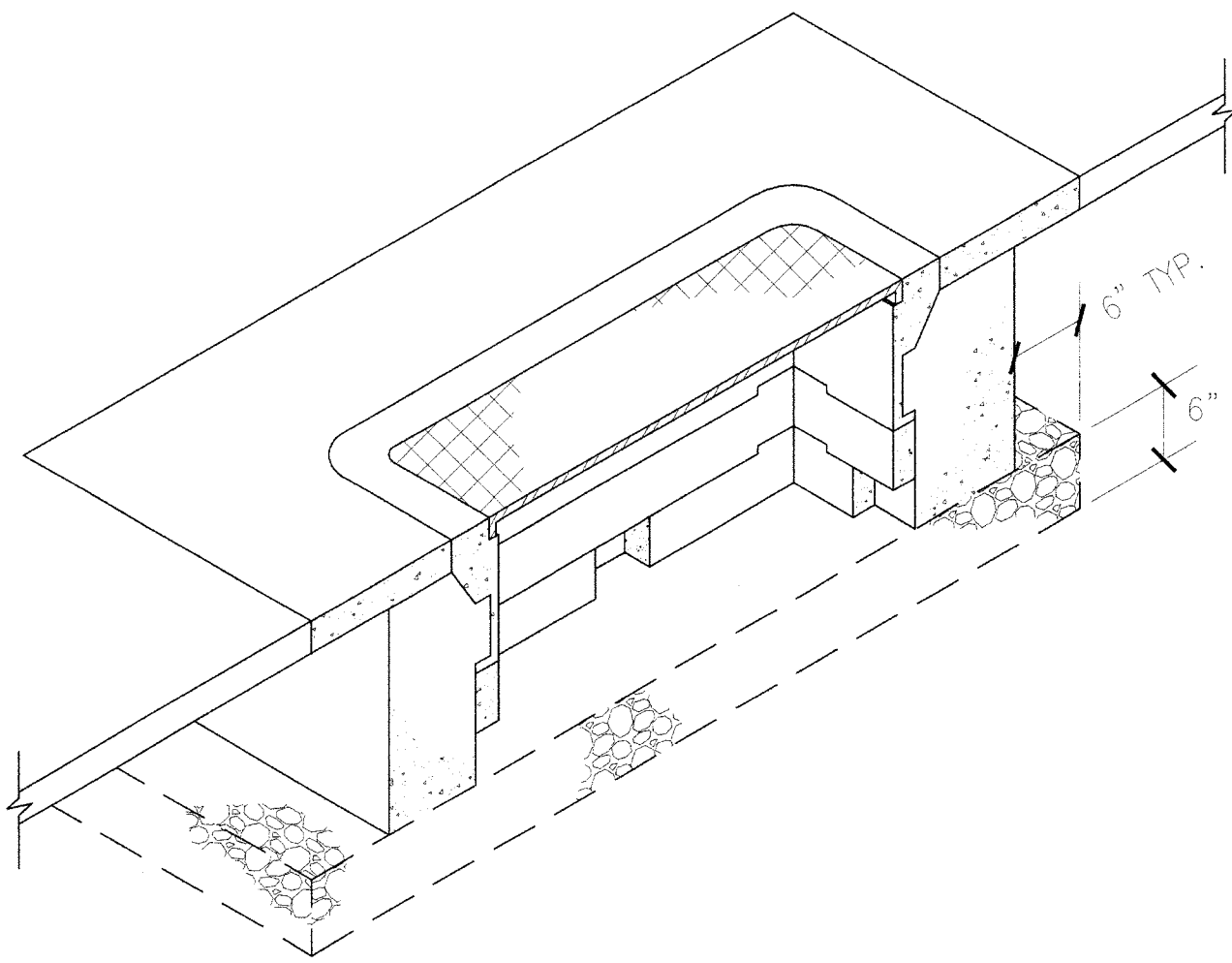
CONTRACT NO. 1498J
DRAWING NO. TS-2
FILE NO. 89,956.1
REV. NO.

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
SIGNED INSPECTOR

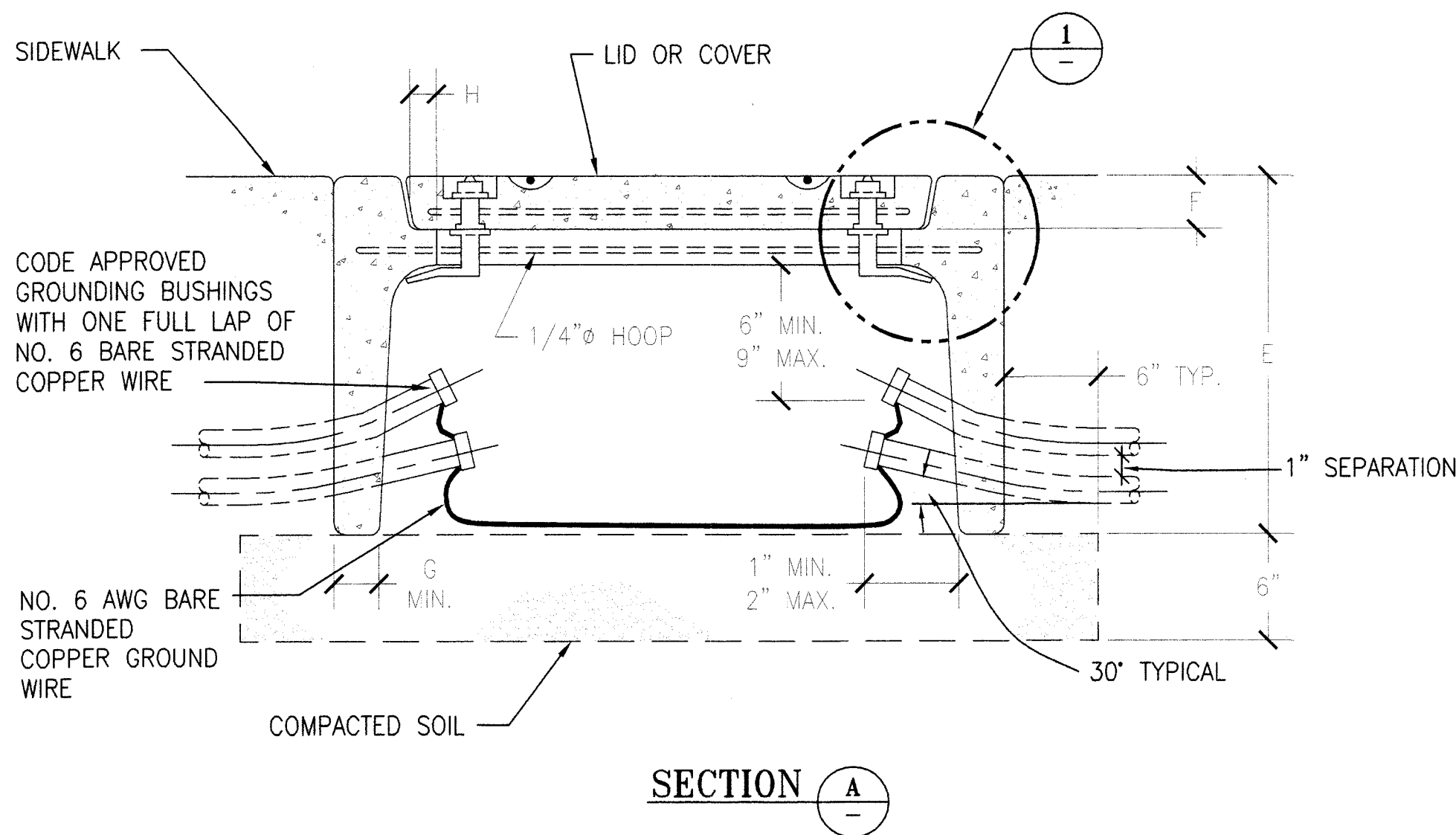
AS BUILT
Signed: *[Signature]*



PLAN



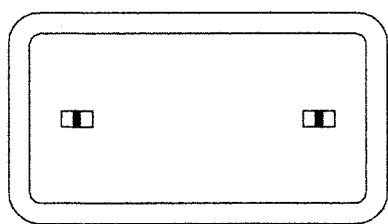
TYPICAL INSTALLATION OF PULL BOX
WITH 6" CONCRETE RETAINING WALL
(SEE NOTE 4) AND WITH STEEL TRAFFIC
COVER



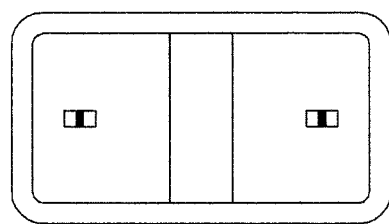
SECTION A-A

3/8" BRASS "HOLD-DOWN"
BOLTS AND PROVISIONS
THEREFOR REQUIRED ONLY
WHEN WIRING ENERGIZED FOR
MORE THAN 600 VOLTS IS
PLACED IN BOX

DETAIL 1

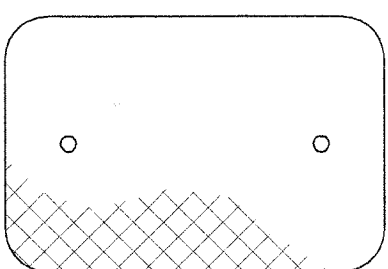


ONE PIECE

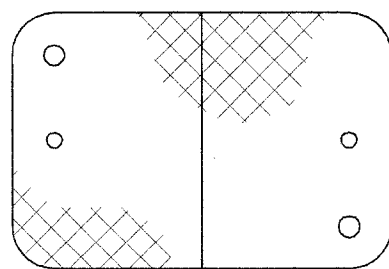


3-PIECE WITH
INTERLOCKING
CENTER

LIDS
(CONCRETE, REINFORCED)



ONE PIECE



TWO PIECES

COVERS
(STEEL, HOT-DIP GALVANIZED
AFTER FABRICATION)

TYPE	DIMENSIONS (INCHES)								REMARKS	
	A	B	C	D	E	F	G	H		
								MIN.		MAX.
I	25 ¼	21	15 ¾	11	12	2	1	5/8	3/4	FURNISH WITH LID OR COVER, AS APPLICABLE. SEE SHEET NOTES.
II	27 ½	23 ½	18	14	12	2	1 ¼	5/8	7/8	FURNISH WITH LID OR COVER, AS APPLICABLE. SEE SHEET NOTES.
III	35 ¼	31	22 ¼	18	12	2	1 ¼	5/8	7/8	FURNISH WITH LID OR COVER, AS APPLICABLE. SEE SHEET NOTES.
IV	64 ¼	60 ¼	35	30 ½	14	3	1 ½	1 ⅝	1 ⅞	FURNISH WITH THREE PIECE LID OR TWO PIECE STEEL COVER, AS APPLICABLE. SEE SHEET NOTES.

SHEET NOTES:

- ALL EXPOSED METALLIC PORTIONS OF THE PULL BOXES SHALL BE CONSTRUCTED WITH FERROUS MATERIALS AND SUCH MATERIALS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
- PULL BOXES, COVERS AND EXTENSIONS SHALL BE PRECAST REINFORCED CONCRETE. PULL BOXES SHALL HAVE ETCHED POLYETHYLENE FACE ANCHORED IN CONCRETE AND ULTRAVIOLET INHIBITOR.
- LIDS AND COVERS FURNISHED WITH PULL BOXES ENCLOSING WIRING ENERGIZED WITH VOLTAGES GREATER THAN 600 VOLTS SHALL BE PROVIDED WITH "HOLD-DOWN" BOLTS FABRICATED FROM BRASS.
- PULL BOXES PLACED IN ROADWAYS OR IN AREAS SUBJECT TO VEHICLE AND HEAVY MACHINERY TRAFFIC SHALL BE FURNISHED WITH STEEL CHECKER PLATE TRAFFIC COVERS. IN ADDITION, A 6-INCH WIDE BY 12-INCH HIGH CONCRETE RETAINING WALL SHALL BE CONSTRUCTED ALL AROUND EACH PULL BOX INSTALLED IN SUCH AREAS.
- A 12-INCH WIDE BY 3 1/2-INCH DEEP (MINIMUM) CONCRETE SLAB SHALL BE CONSTRUCTED ALL AROUND EACH PULL BOX (INCLUDING BOXES PROVIDED WITH THE 6-INCH THICK RETAINING WALL SET FORTH IN NOTE 4 ABOVE) INSTALLED IN UNPAVED OR ASPHALT CONCRETE PAVED AREAS.
- LIDS AND COVERS SHALL BE PROVIDED WITH THE FOLLOWING LEGENDS, AS APPLICABLE:

FIRST LINE :	ELECTRICAL-DPW	ELECTRICAL-DPW	ELECTRICAL	TRAFFIC
SECOND LINE :	120/240 VOLT	IRR SYS	R & P	SIGNALS
FIRST LINE :	ELECTRICAL-DPW	STREET LIGHTING	ELECTRICAL	D OF E
SECOND LINE :	240/480 VOLT	120/240 VOLT	HIGH VOLTAGE	

LETTERS SHALL BE 1-INCH AND MADE WITH 1/4-INCH WIDE STROKES. LETTERS INSCRIBED IN CONCRETE LIDS OR COVERS SHALL BE MADE WITH 1/8-INCH (MINIMUM) DEEP IMPRINTS. LEGENDS IN STEEL COVERS SHALL BE MADE WITH WELD BEAD LETTERS.
- PROVIDE BONDING JUMPER (3' LONG, MINIMUM) FOR STEEL COVERS TO BE BONDED TO CONDUIT.
- CONDUIT TO PULLBOXES SHALL NOT BE OVERLAPPED OR CROSSED ONE ANOTHER. PROVIDE AT LEAST 1" SPACE BETWEEN CONDUITS.
- PROVIDE 95% COMPACTION PRIOR TO LEVELING AND INSTALLATION OF PULLBOX.

PRECAST PULL BOX, COVERS AND LIDS

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 6/09
DW
DRAWN: DATE: 6/09
DW
CHECKED: DATE: 6/09
SL

APPROVED
SECTION ENGINEER
DATE: 6/09
CITY TRAFFIC ENGINEER
DATE: 6/09

SCALE:
1" = 10'
SHEET OF SHEETS
25 OF 39

TAYLOR STREET IMPROVEMENTS

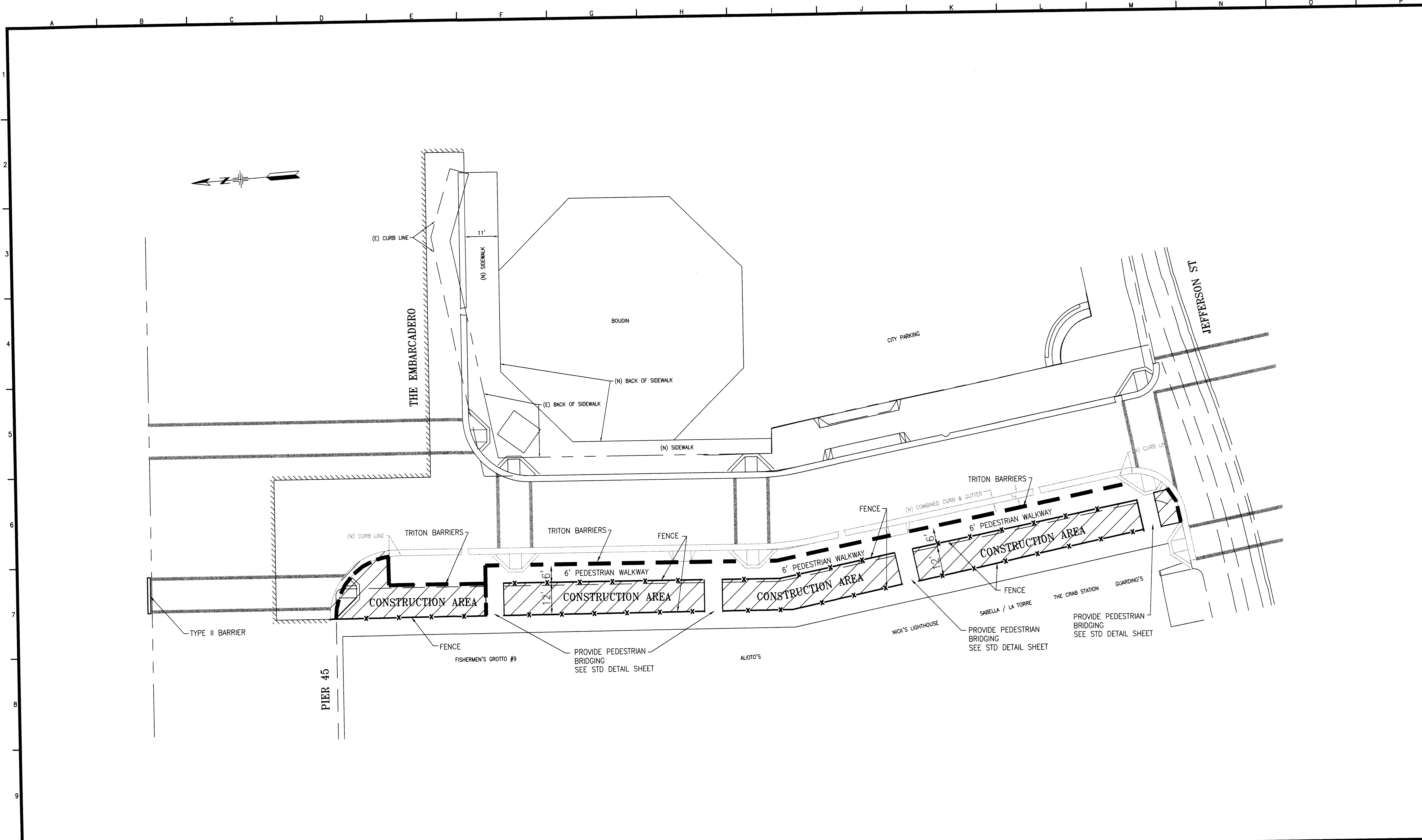
TRAFFIC SIGNAL PULLBOX DETAIL

TYPE I-IV PULL BOX, COVER AND CONDUIT

CONTRACT NO.
1498J
DRAWING NO.
TS-3
FILE NO.
89,956.2
REV. NO.

PLANS ARE TO BE RETURNED WITH
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SIGNED-INSPECTOR

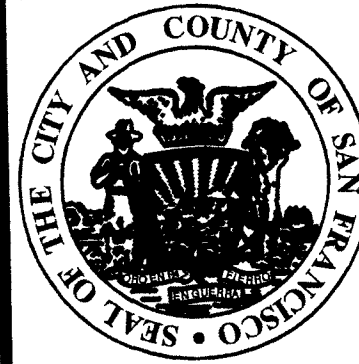
AS BUILT
Signed: [Signature]



NO.	DATE	DESCRIPTION	BY	APP.

TABLE OF REVISIONS
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& FILE NO. OF SURVEYS



DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED:	DATE:	APPROVED	DATE:
CH	6/09	[Signature]	
DRAWN:	DATE:	SECTION ENGINEER	DATE:
AW	6/09	[Signature]	
CHECKED:	DATE:	CITY TRAFFIC ENGINEER	DATE:
CH	6/09	[Signature]	

SCALE:	1"=30'
SHEET OF SHEETS	27 OF 39

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET
CONSTRUCTION PHASING PLAN
PHASE 1

CONTRACT NO.	1498J
DRAWING NO.	T-1
FILE NO.	89,957
REV. NO.	

AS-BUILT
Signed: *[Signature]*

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[Signature]
SIGNED INSPECTOR

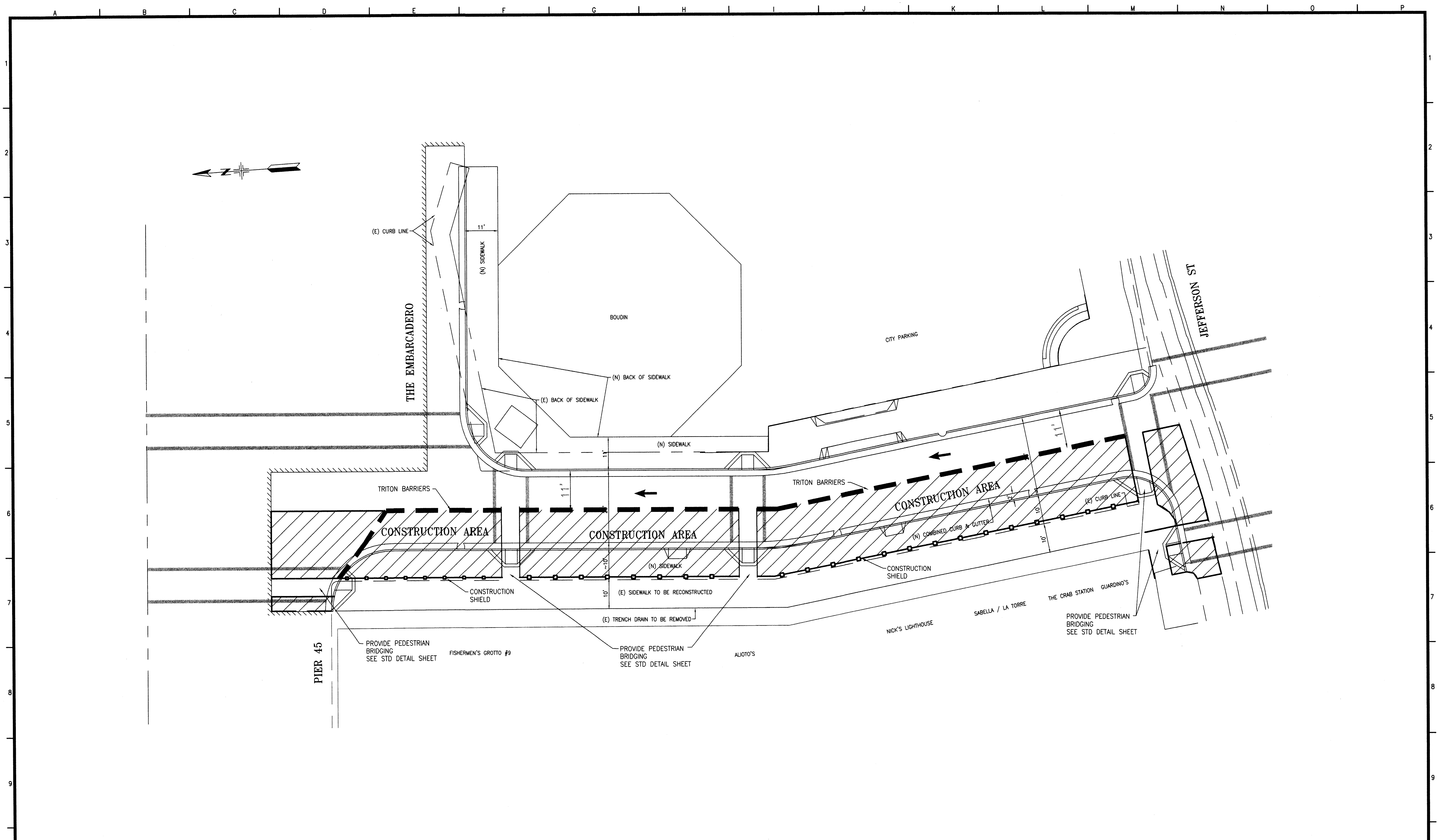


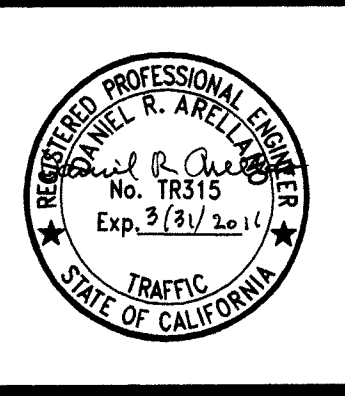
TABLE OF REVISIONS			
NO.	DATE	DESCRIPTION	BY APP.

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DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED:	DATE:	APPROVED	DATE:
CH	6/09	<i>[Signature]</i>	6/26/09
DRAWN:	DATE:	SECTION ENGINEER	DATE:
AW	6/09	<i>[Signature]</i>	6/26/09
CHECKED:	DATE:	CITY TRAFFIC ENGINEER	DATE:
CH	6/09	<i>[Signature]</i>	6/26/09

SCALE:
1"=30'
SHEET OF SHEETS
28 OF 39

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET
CONSTRUCTION PHASING PLAN
PHASE 2

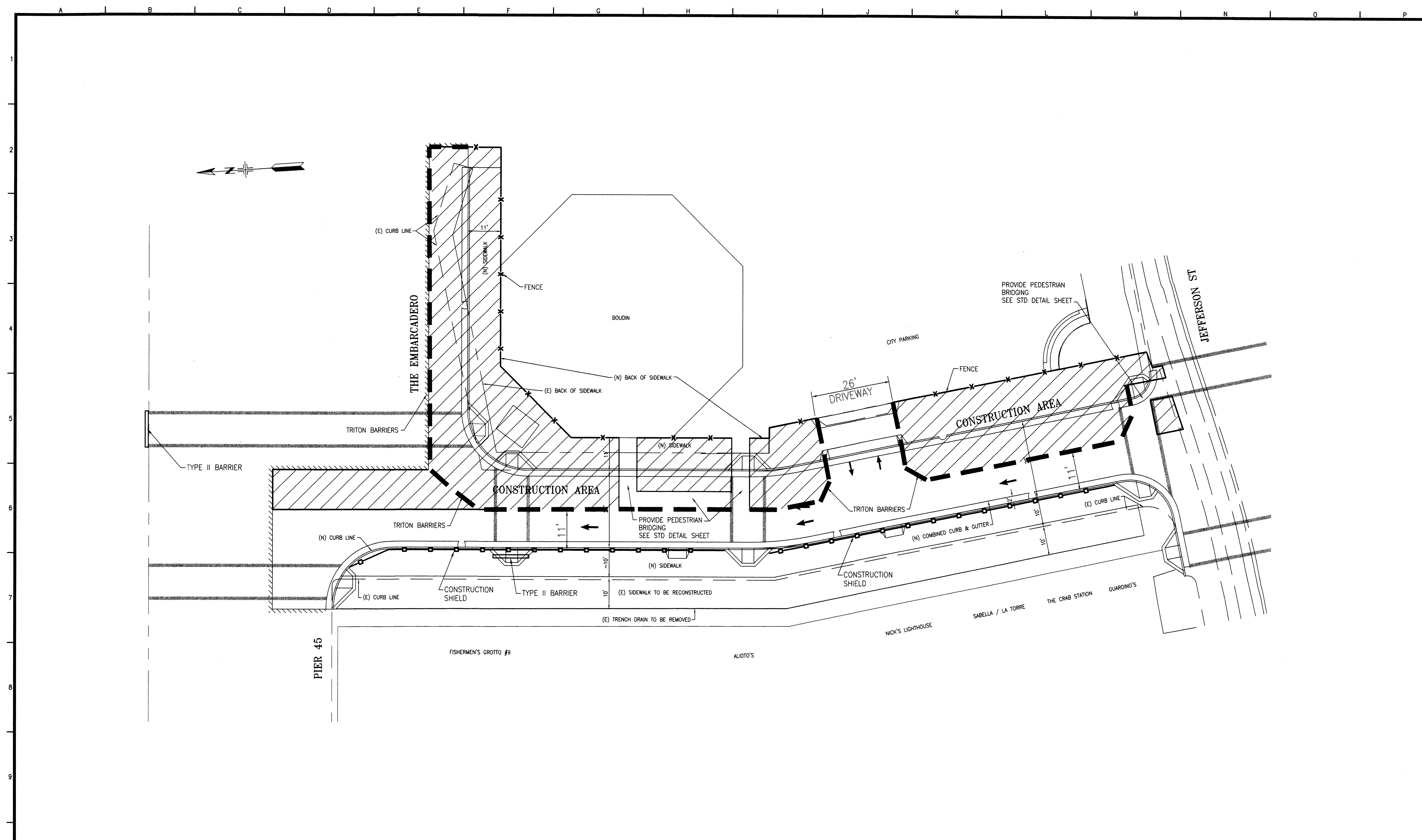
CONTRACT NO.	1498J
DRAWING NO.	T-2
FILE NO.	89,958
REV. NO.	

PLANS ARE TO BE RETURNED WITH
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FINAL PAYMENT IS MADE

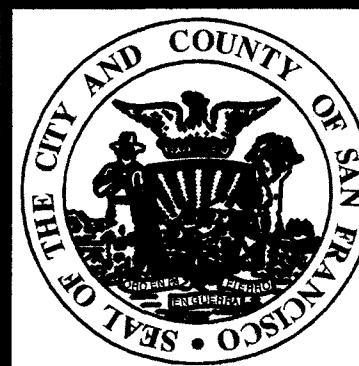
Samuel W. [Signature]

SEAL

AS BUILT

[illegible]

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO



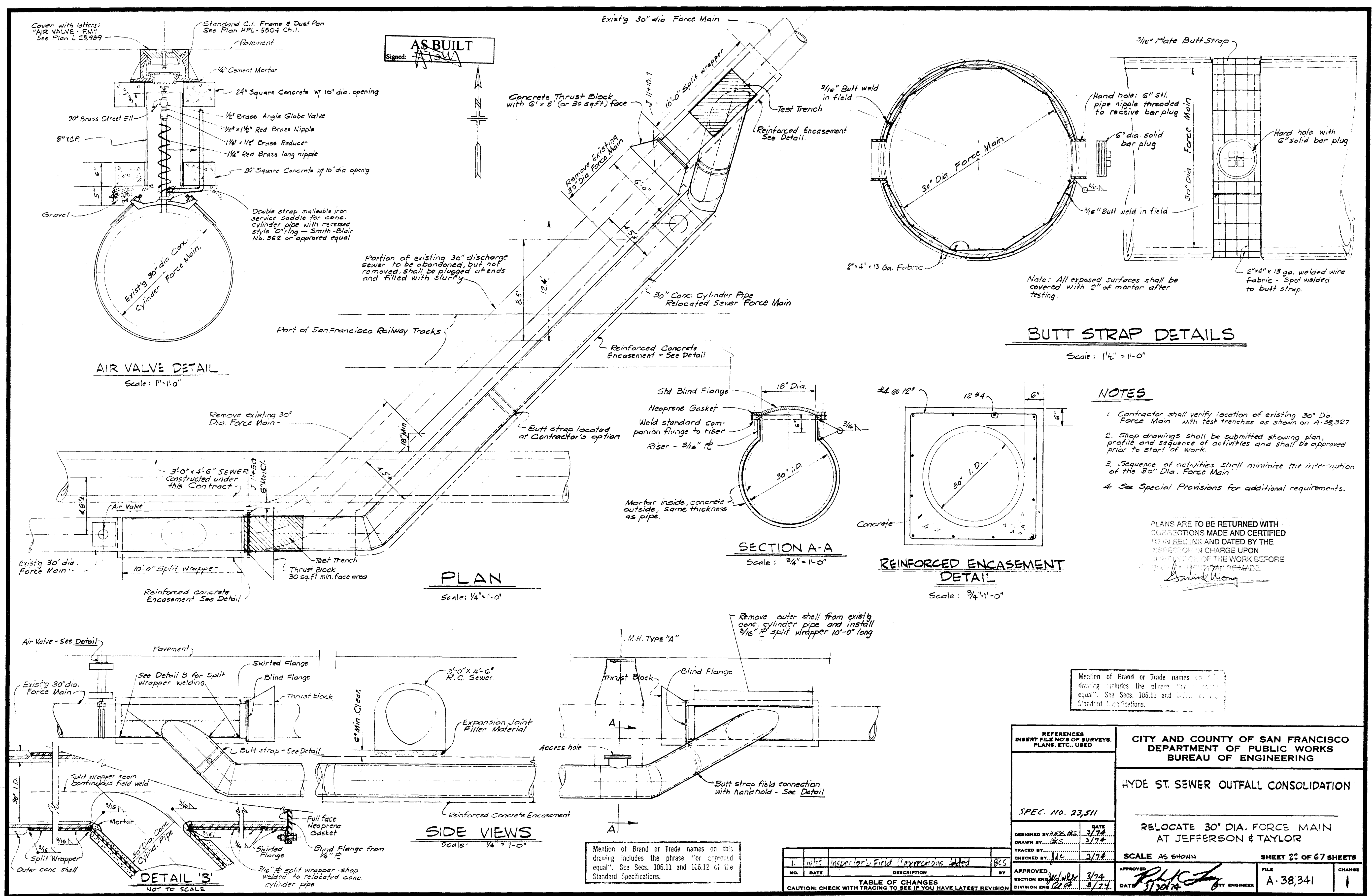
DESIGNED:	DATE:	APPROVED	
CH	6/09	 SECTION ENGINEER DATE:	
DRAWN:	DATE:		
AW	6/09		
CHECKED:	DATE:	 CITY TRAFFIC ENGINEER DATE:	
CH	6/09		

SCALE:	1"=30'
SHEET OF SHEETS	29 OF 30

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET

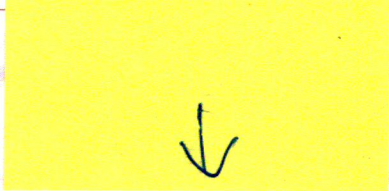
CONSTRUCTION PHASING PLAN PHASE 3

CONTRACT NO.	1498J
DRAWING NO.	T-3
FILE NO.	89,959
REV. NO.	



Reference Drawing No. A-38,341.1

MICROFILMED



Reference drawing NO. A-38341.1

CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING	
1000 ST. SEWER OUTFALL CONSOLIDATION	
RELOCATE 30" DIAMETER MAIN AT LEBERSON & TAYLOR	
SHEET 22 OF 23 SHEETS	DATE: 10/1/54
BY: [Signature]	CHECKED: [Signature]
INCHES: 1" = 10'	SCALE: 1" = 10'

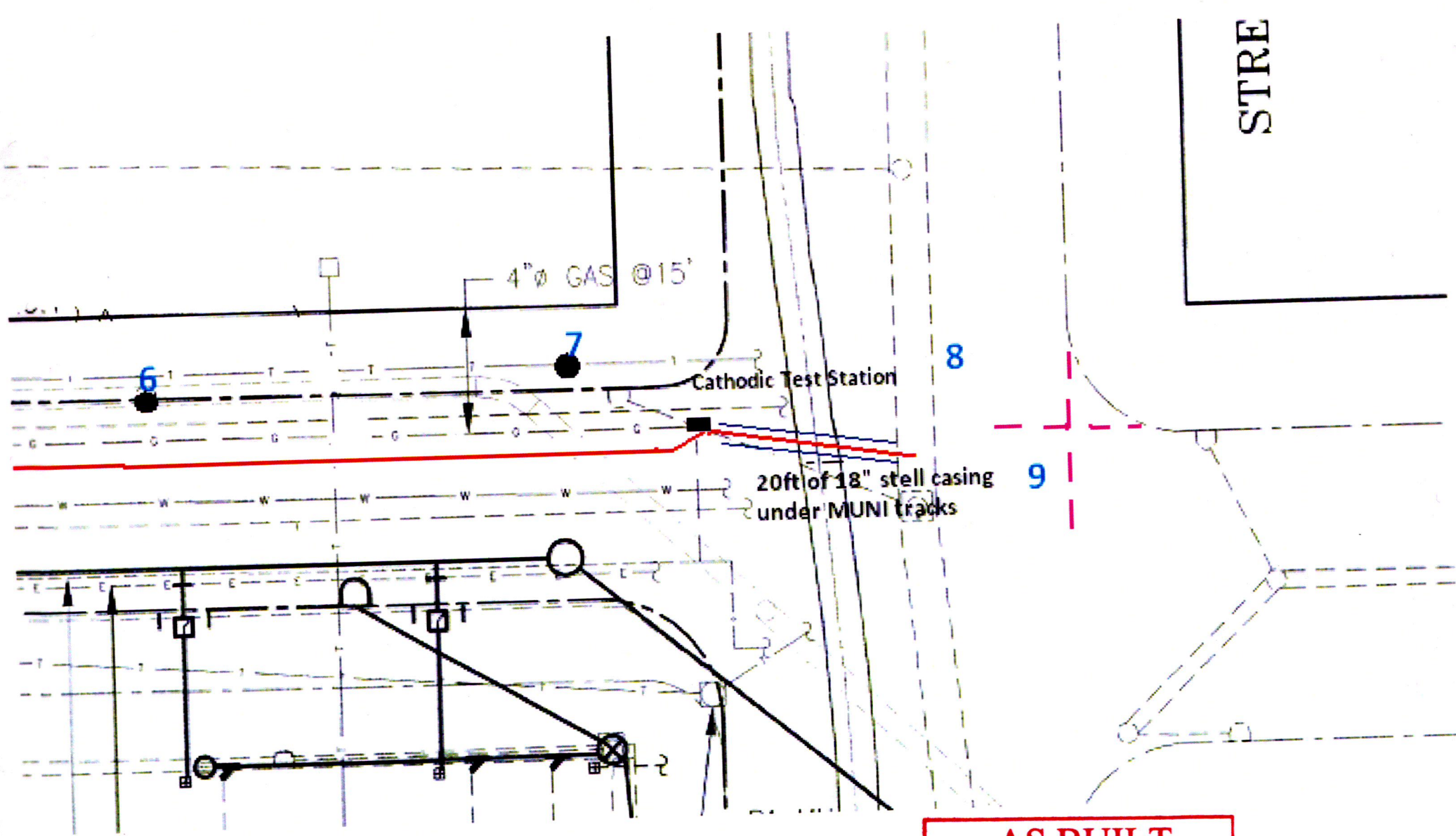
REVISIONS MADE AND CERTIFIED BY THE ENGINEER IN CHARGE OF THE WORK SHOWN ON THIS DRAWING.

CUT STAIR DETAILS

REINFORCED ENCASUREMENT

SECTION A-A

AS BUILT
Signed: [Signature]



SIDE VIEWS

DETAILS

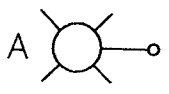
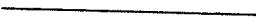
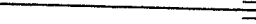
AS-BUILT
Signed: *[Signature]*

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[Signature]
SIGNED INSPECTOR

GENERAL NOTES

- THE WORK INCLUDES THE FURNISHING OF ALL LABOR AND MATERIALS FOR THE COMPLETE INSTALLATION OF ALL ELECTRICAL SYSTEMS AND EQUIPMENT SPECIFIED, REFERRED TO, IMPLIED OR SHOWN ON THE DRAWINGS EXCEPT SUCH MATERIALS AND EQUIPMENT AS MAY BE SPECIFIED OR INDICATED TO BE PROVIDED BY OTHERS.
- THE ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND VERIFY FIELD CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN HIS BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE SPECIFICATIONS, INTENT OF THE ELECTRICAL DRAWINGS AND ALL APPLICABLE CODES. ELECTRICAL CONTRACTOR SHALL ALLOW FOR DEMOLITION WORK NECESSARY FOR A COMPLETE INSTALLATION OF THE NEW ELECTRICAL EQUIPMENT.
- THE ELECTRICAL CONTRACTOR SHALL PERFORM HIS WORK IN ACCORDANCE WITH ALL CODES, RULES AND REGULATIONS OF GOVERNING AGENCIES HAVING JURISDICTION, ALL OF WHICH ARE HEREBY MADE A PART OF THE PLANS. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS, HAVE WORK INSPECTED AND PAY FOR THE SAME.
- LOCATION OF ALL EQUIPMENT AND OUTLETS AS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY, EXCEPT WHERE DIRECTED BY DIMENSIONS, HEIGHT OR DETAILS.
- THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHENEVER POSSIBLE, BUT THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL THE CONTRACT DOCUMENTS AND SHALL VERIFY THIS INFORMATION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE CONDUITS WITH MINIMUM NUMBER OF BENDS IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURES, AVOID OBSTRUCTIONS, MAINTAIN HEAD ROOM, DEEP OPENINGS AND PASSAGEWAYS CLEAR, BE COMPATIBLE WITH LATEST CONSTRUCTION METHOD, AND MEET ALL STRUCTURAL CODE REQUIREMENTS. FURNISH AND INSTALL PULL BOX AS NECESSARY FOR LONG CONDUIT RUNS.
- CONTRACTOR TO BE RESPONSIBLE FOR ALL ELECTRICAL GROUNDING AND BRACING REQUIREMENTS FOR EQUIPMENT.
- THE COMPLETE INSTALLATION, INCLUDING THE NEUTRAL CONDUCTOR, METALLIC CONDUIT AND RACEWAYS, BOXES, CABINETS AND EQUIPMENT, SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH ALL CODE REQUIREMENTS, WHETHER OR NOT SUCH CONNECTIONS ARE SPECIFICALLY SHOWN AND/OR SPECIFIED.
- ALL PARTS OF THE ELECTRICAL SYSTEM SHALL BE GUARANTEED TO PERFORM THE REQUIRED FUNCTION IN ACCORDANCE WITH THE PERFORMANCE REQUIREMENTS WHICH ARE INDICATED OR WHERE SUCH PARTICULAR REQUIREMENTS ARE NOT STATED, THEY SHALL PERFORM IN ACCORDANCE WITH THE PREVAILING RECOGNIZED TRADE STANDARDS OF PERFORMANCE. DURING THE PERIOD OF ONE YEAR REPAIRS OR REPLACEMENTS NECESSARY TO ACCOMPLISH THE REQUIRED PERFORMANCE.
- IN THE EVENT OF FAILURE OF ANY WORK, EQUIPMENT OR SERVICE DURING THE LIFE OF THE GUARANTEE, CONTRACTOR SHALL REPAIR OR REPLACE THE DEFECTIVE WORK AND SHALL REMOVE, REPLACE OR RESTORE, AT NO COST TO OWNER, ANY PART OF THE STRUCTURE OR BUILDING WHICH MAY BE DAMAGED AS THE DIRECT RESULT OF HIS DEFECTIVE WORK OR MATERIAL.
- ALL ELECTRICAL EQUIPMENT, FUSES AND CIRCUIT BREAKERS SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT TO WHICH THEY MAY BE SUBJECTED.
- ELECTRICAL CONTRACTOR SHALL SEE THAT ALL CONDUIT, METALLIC RACEWAYS DO NOT MAKE CONTACT WITH PLUMBING LINES AND MECHANICAL DUCTS.
- THE CONTRACTOR SHALL BE LICENSED TO PERFORM THE WORK OUTLINED, TO BE FAMILIAR WITH ALL LOCAL CODES HAVING JURISDICTION AND TO HAVE REVIEWED THE DRAWINGS AND SPECIFICATIONS AND VERIFIED THAT ALL SYSTEMS CONTAINED THEREIN ARE IN COMPLIANCE WITH THOSE CODES HAVING JURISDICTION BY THE ACT OF SUBMITTING A BID. THE CONTRACTOR SHALL BE DEEMED TO HAVE ACCEPTED SUCH CONDITIONS AND RESPONSIBILITY AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING HIS FIGURES SO THAT THERE WILL BE NO ADDITIONAL COSTS REQUESTED FOR ANY ADDITIONAL REQUIREMENTS MADE BY THOSE AGENCIES HAVING JURISDICTION.
- ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED ON DRAWINGS, AND LISTED BY UNDERWRITERS LABORATORIES.
- ALL WIRES AND CABLES SHALL BE COPPER, RATED 600 VOLTS, TYPE THHN/THWN INSULATION, COLOR CODES PER INSPECTION AUTHORITY. ALL CONDUCTORS SHALL BE COPPER, NUMBER 12 AWG MINIMUM.
- ALL WIRES AND CABLES SHALL BE INSTALLED IN METAL CONDUIT, SURFACE METAL RACEWAY, TRENCH DUCT/FLOOR DUCT OR OTHER APPROVED RACEWAY SYSTEM. NO SURFACE RUNS IN FINISHED OFFICE SPACES.
- MOUNTING, SUPPORTING, AND ANCHORING OF ALL ELECTRICAL EQUIPMENT SHALL BE IN STRICT COMPLIANCE WITH SEISMIC RESTRAINT REQUIREMENTS OF THE OFFICE OF THE STATE ARCHITECT.
- ALL BRANCH CIRCUITS SHOWN ON DRAWING ARE NEW. PANELBOARD CIRCUIT DIRECTORY SHALL BE LABELED (TYPEWRITTEN) AS PER PANEL SCHEDULE.
- ELECTRICAL CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE ENGINEER ON COMPLETION OF THE JOB.
- ELECTRICAL DEVICE MOUNTING HEIGHT SHALL BE PER ADA GUIDELINES.
- ALL JUNCTION BOXES, PULL BOXES, CONDUITS ENTERING OR LEAVING AN AREA OR ROOM OR PASSING THROUGH A WALL OR FLOOR FOR BRANCH CIRCUITS SHALL BE CLEARLY MARKED WITH PERMANENT BLACK INK PEN IDENTIFYING THE BRANCH CIRCUIT CONTAINED.
- ALL METALLIC RACEWAYS, INCLUDING THE EXISTING, SHALL BE SECURELY FASTENED IN PLACE WITH APPROVED HANGERS NOT MORE THAN 10 FEET APART AND WITHIN 3 FEET OF EACH OUTLET BOX, JUNCTION BOX, DEVICE BOX, CABINET, CONDUIT BODY, OR OTHER RACEWAY TERMINATIONS.
- ELECTRICAL CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE ENGINEER ON COMPLETION OF THE JOB.
- ELECTRICAL DEVICE MOUNTING HEIGHT SHALL BE PER ADA GUIDELINES.
- ALL DEVICES AND EQUIPMENT INSTALLED OUTDOORS OR EXPOSED TO THE WEATHER SHALL BE MARINE DUTY WEATHERPROOF ONSTRUCTION.
- GROUNDING CONDUCTORS ARE GENERALLY NOT SHOWN. BOND AND GROUND ALL EQUIPMENT, RACEWAYS MOTORS, PANELBOARD AND EXPOSED CONDUCTIVE PARTS IN ACCORDANCE WITH THE SPECIFICATION AND THE NEC.
- COORDINATE LOCATION OF ALL EQUIPMENT, BELOW GROUND CONDUITS, PULLBOXES AND LIGHTING POLES WITH EXISTING BELOW GROUND SERVICES AND AGREE LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.

LEGEND AND SYMBOLS

- (PC) EXTERNALLY MOUNTED LIGHTING CONTROL PHOTOCELL.
- A  POLE MOUNTED LIGHTING FIXTURE.
A INDICATES TIME SWITCH CHANNEL NO.
-  PULLBOX, CHRISTY N19 OR EQUAL.
-  LIGHTING FIXTURE TAG. D INDICATES FIXTURE TYPE.
-  CONDUIT UNDERGROUND OR ENCASED IN CONCRETE
-  CONDUIT CAPPED

ELECTRICAL ABBREVIATIONS

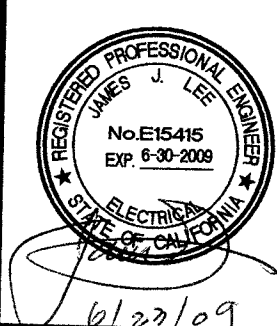
A	AMMETER, AMPERE	KVA	KILOVOLT AMPERE(S)
AFF	ABOVE FINISHED FLOOR	KW	KILOWATT(S)
AUX	AUXILIARY	(N)	NEW
AWG	AMERICAN WIRE GAGE	N,NEUT	NEUTRAL
BKR	BREAKER	NIC	NOT IN CONTRACT
C	CONDUIT	NC	NORMALLY CLOSED
CB	CIRCUIT BREAKER	NO	NORMALLY OPEN
CKT	CIRCUIT	P,PNL	PANEL
CO	CONDUIT ONLY	PB	PULL BOX
COMM	COMMUNICATIONS	PC	PHOTCELL
COND	CONDUCTOR	PH	PHASE
CONT	CONTROL	PUC	PUBLIC UTILITIES COMMISSION
CS	CONTROL STATION	PVC	POLY VINYL CHLORIDE
CU	COPPER	PWR	POWER
(E)	EXISTING	(R)	RELOCATED
ELEC	ELECTRICAL	RES	RESISTOR
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
G,GND	GROUND	TL	TWISTLOCK
GFI	GROUND FAULT INTERRUPTER	UG	UNDERGROUND
HH	HANDHOLE	UNO	UNLESS NOTED OTHERWISE
HID	HIGH INTENSITY DISCHARGE	V	VOLTMETER, VOLT
J,JB	JUNCTION BOX	WP	WEATHERPROOF

GENERAL DEMOLITION NOTES:

- ELECTRICAL DEVICES SHOWN ON DEMOLITION DRAWINGS ARE BASED ON FIELD OBSERVATION AND EXISTING RECORD DOCUMENTS. FIELD VERIFY FOR EXACT EXTENT OF WORK INVOLVED BEFORE BEGINNING DEMOLITION.
- REMOVE AND RELOCATE EXISTING CONDUITS CARRYING POWER, LIGHTING AND OTHER SYSTEMS. FIELD-VERIFY EXTENT OF WORK. NEW MATERIAL AND METHODS ADOPTED SHALL BE COMPATIBLE WITH EXISTING SYSTEM.
- REPAIR ANY FINISHES DAMAGED DURING DEMOLITION.
- MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATION WHICH REMAIN ACTIVE.
- REMOVED MATERIALS NOT REQUIRED FOR PRESENT OR FUTURE USE OF THE FACILITY, AND NOT CLAIMED BY THE PORT, BECOME PROPERTY OF THE CONTRACTOR AND REMOVE FROM PREMISES. VERIFY WITH OWNER BEFORE REMOVING ANY RE-USABLE MATERIALS FROM PREMISES. CAREFULLY REMOVE MATERIALS CLAIM BY THE PORT TO PREVENT DAMAGE AND DELIVER ON-SITE WHERE DIRECTED.

GENERAL NOTES

- E-1 LEGEND, ABBREVIATIONS, GENERAL NOTES AND DRAWING INDEX
- E-2 ELECTRICAL DEMOLITION PLAN - AREA 1
- E-3 ELECTRICAL DEMOLITION PLAN - AREA 2
- E-4 ELECTRICAL PLAN - AREA 1
- E-5 ELECTRICAL PLAN - AREA 2
- E-6 ELECTRICAL DETAILS

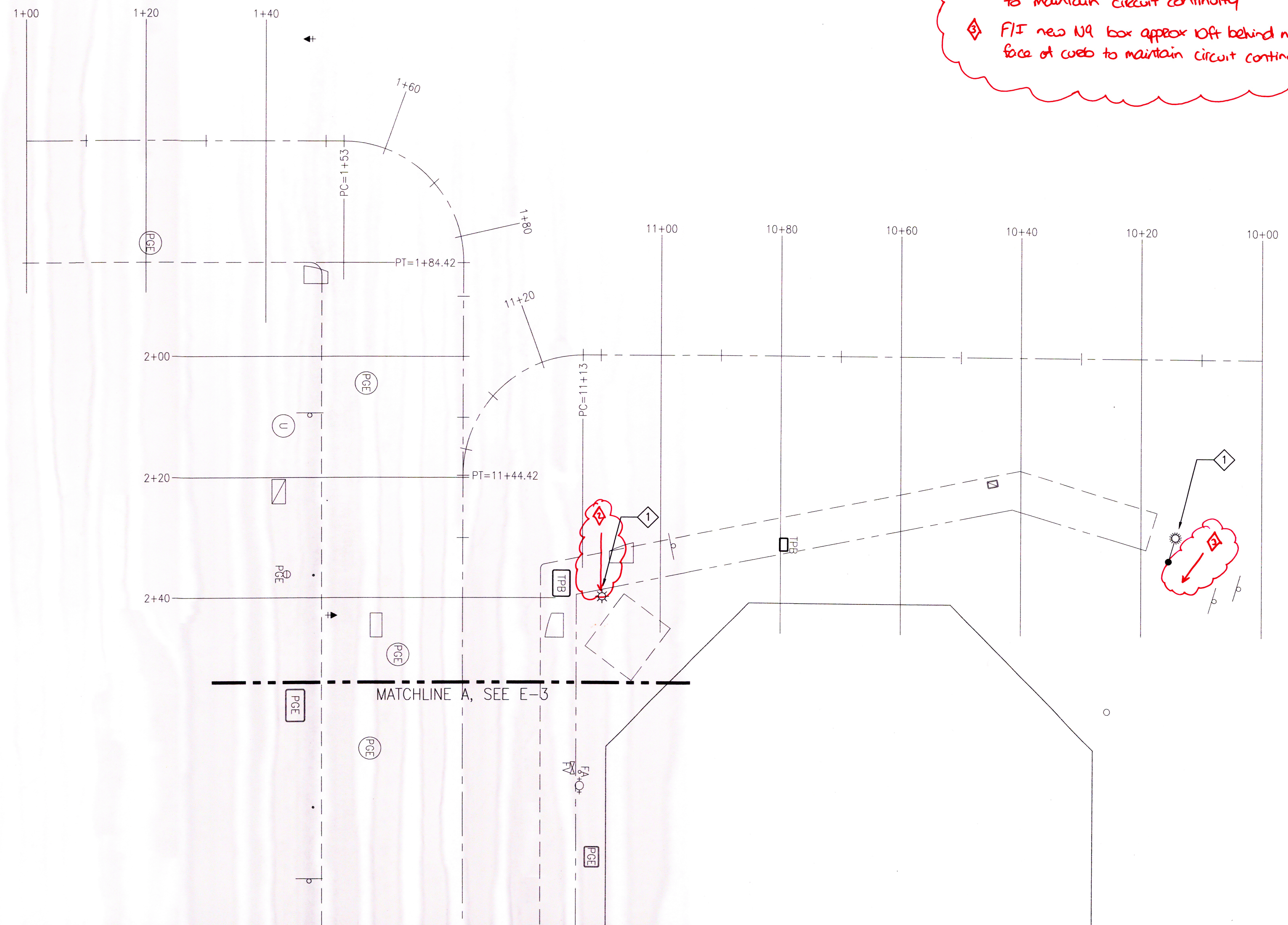
				REFERENCE INFORMATION & FILE NO. OF SURVEYS		 SAN FRANCISCO PORT COMMISSION PORT OF SAN FRANCISCO DEPARTMENT OF ENGINEERING		 DESIGNED: JUL DRAWN: JUL CHECKED: MB		APPROVED BY: SAN FRANCISCO PORT COMMISSION DATE: <i>6/23/09</i> <i>[Signature]</i> CHIEF HARBOR ENGINEER		SCALE: AS SHOWN DATED: July, 2008 SHEET 17 OF 39		DPW FILE NO. 89,952 TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET LEGEND, ABBREVIATIONS, GENERAL NOTES AND DRAWING INDEX		CONTRACT NO. 1498J DRAWING NO. E-1 FILE NO. 13348-4006-E REV. NO. 0	
NO.		DATE		DESCRIPTION		BY		APP.		TABLE OF REVISIONS CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION							

Signed: 

SIGNED-INSPECTOR

1 REMOVE EXISTING LIGHT FIXTURE AND DELIVER TO PG&E.
KEEP EXISTING CIRCUIT CONTINUITY.

- KEEP EXISTING CIRCUIT CONTINUITY.
- 2. F/I new N9 pull box in place of foundation to maintain circuit continuity.
- 3. F/I new N9 box approx 10ft behind new face of curb to maintain circuit continuity.



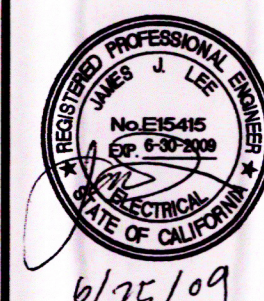
DPW FILE NO. 89,953

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REFERENCE INFORMATION
& FILE NO. OF SURVEYS



**SAN FRANCISCO PORT COMMISSION
PORT OF SAN FRANCISCO
DEPARTMENT OF ENGINEERING**



DESIGNED:	JJL
DRAWN:	JJL
CHECKED:	MR

APPROVED BY
SAN FRANCISCO/PORT COMMISSION

DATE: 6/25/09

J. J. Byrne
CHIEF HARBOR ENGINEER

SCALE:
 $1"=10'-0"$

DATED:
July, 2008
SHEET 18 OF 39

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET

ELECTRICAL DEMOLITION PLAN - AREA 1

CONTRACT NO.
1498J

DRAWING NO.
E-2

FILE NO.
13349-4006-E

G:\01 PROJECTS\PORTWIDE\TAYLOR ST\DRAWINGS\ELECTRICAL\E-2.DWG

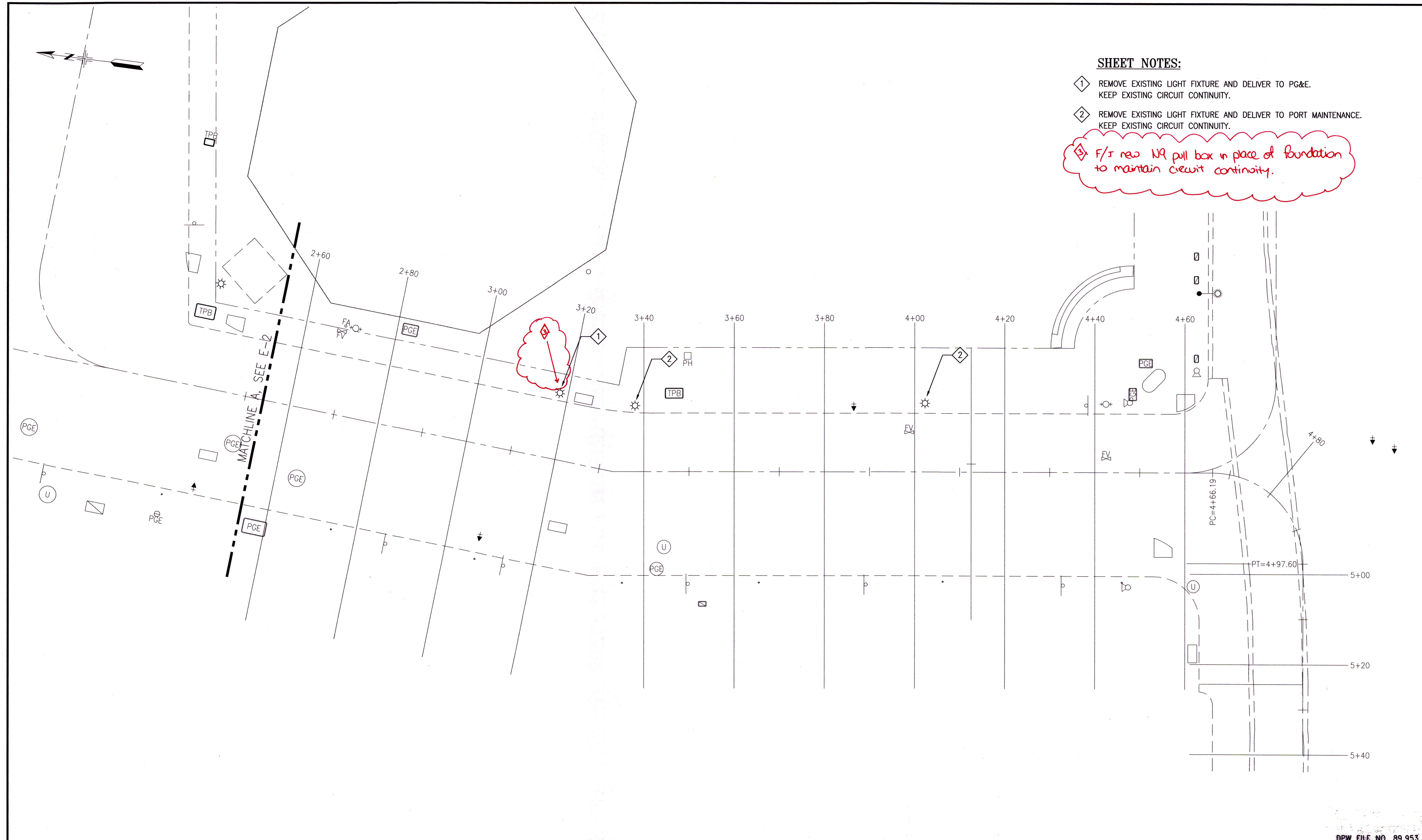
17751-4006-AB

AS BUILT
Signed: *[Signature]*

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
[Signature]
SIGNED INSPECTOR

SHEET NOTES:

- 1 REMOVE EXISTING LIGHT FIXTURE AND DELIVER TO PG&E.
KEEP EXISTING CIRCUIT CONTINUITY.
- 2 REMOVE EXISTING LIGHT FIXTURE AND DELIVER TO PORT MAINTENANCE.
KEEP EXISTING CIRCUIT CONTINUITY.
- 3 F/I new N9 pull box in place of foundation
to maintain circuit continuity.



DPW FILE NO. 89,953.1

NO. DATE DESCRIPTION BY APP.		REFERENCE INFORMATION & FILE NO. OF SURVEYS	 SAN FRANCISCO PORT COMMISSION PORT OF SAN FRANCISCO DEPARTMENT OF ENGINEERING	 6/25/09	DESIGNED: JUL	APPROVED BY SAN FRANCISCO PORT COMMISSION DATE: 6/25/09 <i>[Signature]</i> CHIEF HARBOR ENGINEER	SCALE: .1"=10'-0"	TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET ELECTRICAL DEMOLITION PLAN - AREA 2	CONTRACT NO. 1498J
TABLE OF REVISIONS CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION					DRAWN: JUL		DATED: July, 2008		DRAWING NO. E-3
					CHECKED: MB				FILE NO. 13350-4006-E REV. NO. 0

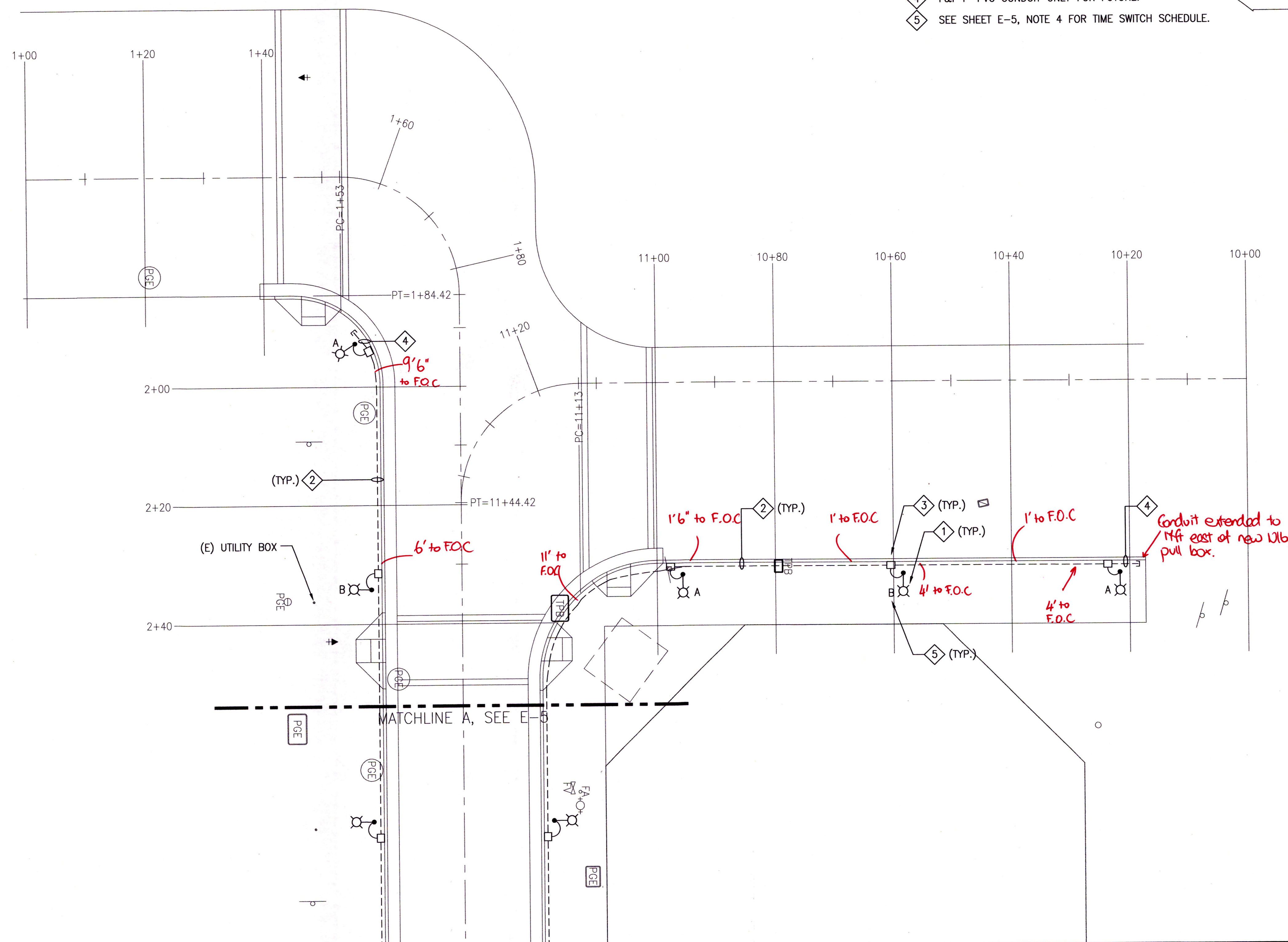
G:\01 PROJECTS\PORTWIDE\TAYLOR ST\DRAWINGS\ELECTRICAL\E-3.DWG

17752-4006-AB

Signed _____

SIGNED-INSPECTOR

1	NEW POLE LIGHT FIXTURE, SEE SHEET E-6 FOR FIXTURE TYPE AND MOUNTING DETAILS.
2	F&I 1" PVC, 4#10,1#10G AND 1"PVC (SP).
3	F&I NEW PULLBOX, CHRISTY N16 AND N16-61J STEEL CHECKER PLATE.
4	F&I 1" PVC CONDUIT ONLY FOR FUTURE.
5	SEE SHEET E-5, NOTE 4 FOR TIME SWITCH SCHEDULE.

[illegible]

APPROVED BY
SAN FRANCISCO PORT COMMISSION
DATE: 6/23/09

E. J. Byrne
CHIEF/HARBOR ENGINEER

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET
ELECTRICAL PLAN - AREA 1

CONTRACT NO.	1498J
DRAWING NO.	E-4
FILE NO.	13351-4006-E
REV. NO.	0

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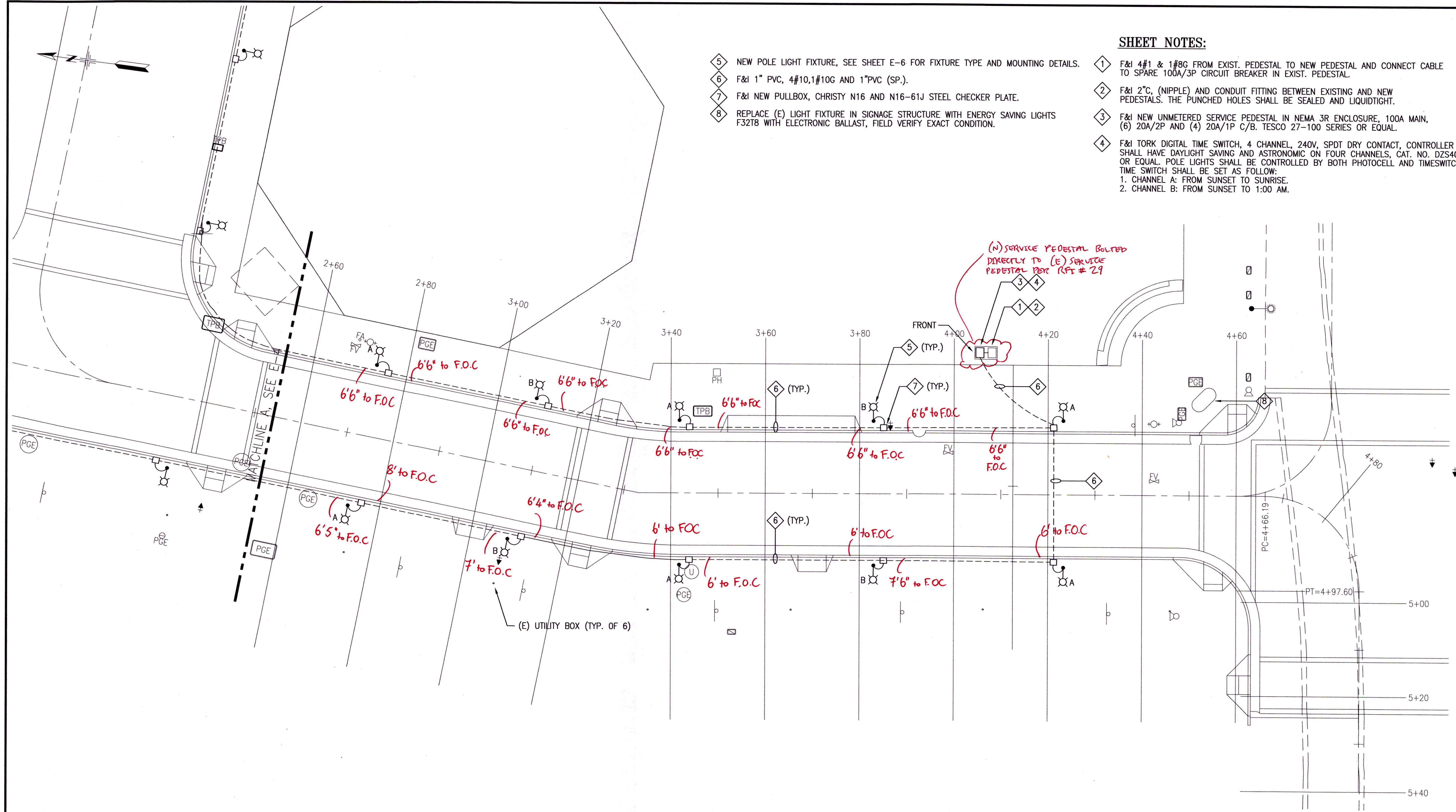
17753-4006-AB

AS BUILT
Signed: *[Signature]*

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
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[Signature]
SIGNED INSPECTOR

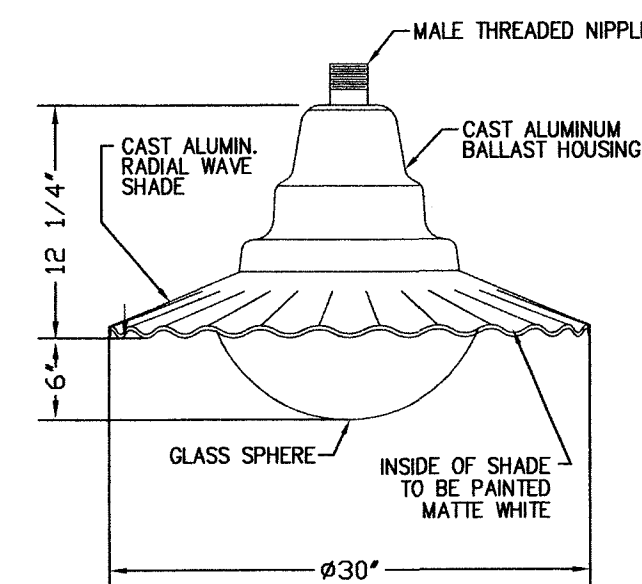
SHEET NOTES:

- 5 NEW POLE LIGHT FIXTURE, SEE SHEET E-6 FOR FIXTURE TYPE AND MOUNTING DETAILS.
- 6 F&I 1" PVC, 4#10, 1#10G AND 1" PVC (SP.).
- 7 F&I NEW PULLBOX, CHRISTY N16 AND N16-61J STEEL CHECKER PLATE.
- 8 REPLACE (E) LIGHT FIXTURE IN SIGNAGE STRUCTURE WITH ENERGY SAVING LIGHTS F32T8 WITH ELECTRONIC BALLAST, FIELD VERIFY EXACT CONDITION.
- 1 F&I 4#1 & 1#8G FROM EXIST. PEDESTAL TO NEW PEDESTAL AND CONNECT CABLE TO SPARE 100A/3P CIRCUIT BREAKER IN EXIST. PEDESTAL.
- 2 F&I 2"C, (NIPPLE) AND CONDUIT FITTING BETWEEN EXISTING AND NEW PEDESTALS. THE PUNCHED HOLES SHALL BE SEALED AND LIQUIDTIGHT.
- 3 F&I NEW UNMETERED SERVICE PEDESTAL IN NEMA 3R ENCLOSURE, 100A MAIN, (6) 20A/2P AND (4) 20A/1P C/B. TESCO 27-100 SERIES OR EQUAL.
- 4 F&I TORK DIGITAL TIME SWITCH, 4 CHANNEL, 240V, SPOT DRY CONTACT, CONTROLLER SHALL HAVE DAYLIGHT SAVING AND ASTRONOMIC ON FOUR CHANNELS, CAT. NO. DZS400BP OR EQUAL. POLE LIGHTS SHALL BE CONTROLLED BY BOTH PHOTOCELL AND TIMESWITCH. TIME SWITCH SHALL BE SET AS FOLLOW:
1. CHANNEL A: FROM SUNSET TO SUNRISE.
2. CHANNEL B: FROM SUNSET TO 1:00 AM.



<table border="1"><thead><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th><th>BY</th><th>APP.</th></tr></thead><tbody><tr><td colspan="5">TABLE OF REVISIONS</td></tr><tr><td colspan="5">CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION</td></tr></tbody></table>		NO.	DATE	DESCRIPTION	BY	APP.	TABLE OF REVISIONS					CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION					REFERENCE INFORMATION & FILE NO. OF SURVEYS	 SAN FRANCISCO PORT COMMISSION PORT OF SAN FRANCISCO DEPARTMENT OF ENGINEERING	 6/27/09	DESIGNED: JUL DRAWN: JUL CHECKED: MB	APPROVED BY SAN FRANCISCO PORT COMMISSION DATE: 6/23/09 <i>[Signature]</i> CHIEF HARBOR ENGINEER	SCALE: 1"=10'-0" DATED: July, 2008 SHEET 21 OF 39	TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET ELECTRICAL PLAN - AREA 2	DPW FILE NO. 89,954.1 CONTRACT NO. 1498J DRAWING NO. E-5 FILE NO. 13352-4006-E REV. NO. 0
NO.	DATE	DESCRIPTION	BY	APP.																				
TABLE OF REVISIONS																								
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION																								

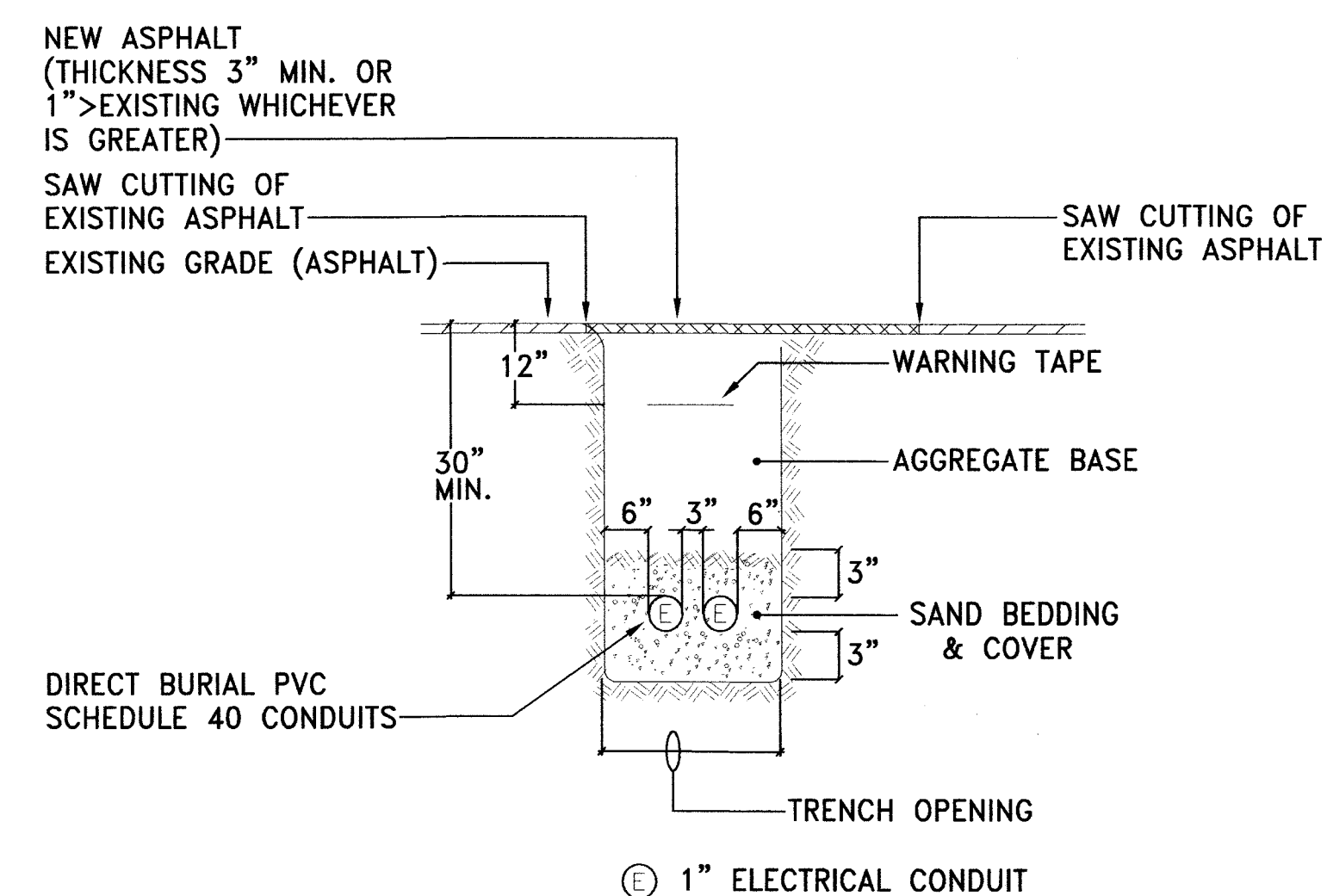
AS BUILT



CATALOG NO: BECON P10215-12/A391/L04330/70MH-240D

HANDHOLE IN BASE OF POLE
 1.5" NON-SHRINK GROUT & LEVELING BOLTS
 CONCRETE TO BE MIN. 3000 LBS. IN 28 DAYS,
 POURED IN NATURALLY COMPACTED EARTH
 HOLE FREE OF LOOSE DIRT OR DEBRIS
 5/8" DIA. x 20" - BOLTS (4 REQ'D). PROVIDE HOT-DIPPED
 GALVAIZED FINISH ON EXPOSED SURFACES.
 #4 TIES @ 12" O.C., W/ 2 EXTRA TIES TOP &
 BOTTOM
 INCOMING CONDUIT (TYP)
 (8) #4 VERTICAL REBAR (SEE CROSS SECTION)
 STANDARD HOOK $\lrcorner$
 6" (TYP.)
 37"
 3" COVER
 OUTGOING
 CONDUIT (TYP.)
 36" DIA
 20"
 10"
 3" MIN.
 COVER
 (TYP.)
 #4 TIES @ 12" O.C.
 5/8" DIA. x 20" - BOLTS (4 REQ'D)
 VERIFY LOCATION WITH POLE TEMPLATE
 LIGHT POLE MANUFACTURER
 (8) #4 VERTICAL REBAR (SEE CROSS SECTION)
 36" DIA

E-6 NTS



E-6 NTS



REFERENCE INFORMATION
& FILE NO. OF SURVEYS



6/23/09

APPROVED BY
SAN FRANCISCO PORT COMMISSION

DATE: 6/23/09



CLIFF HARBOR EN

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET

CONTRACT NO.
1498J

DRAWING NO.
E-6

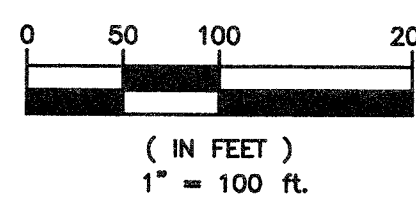
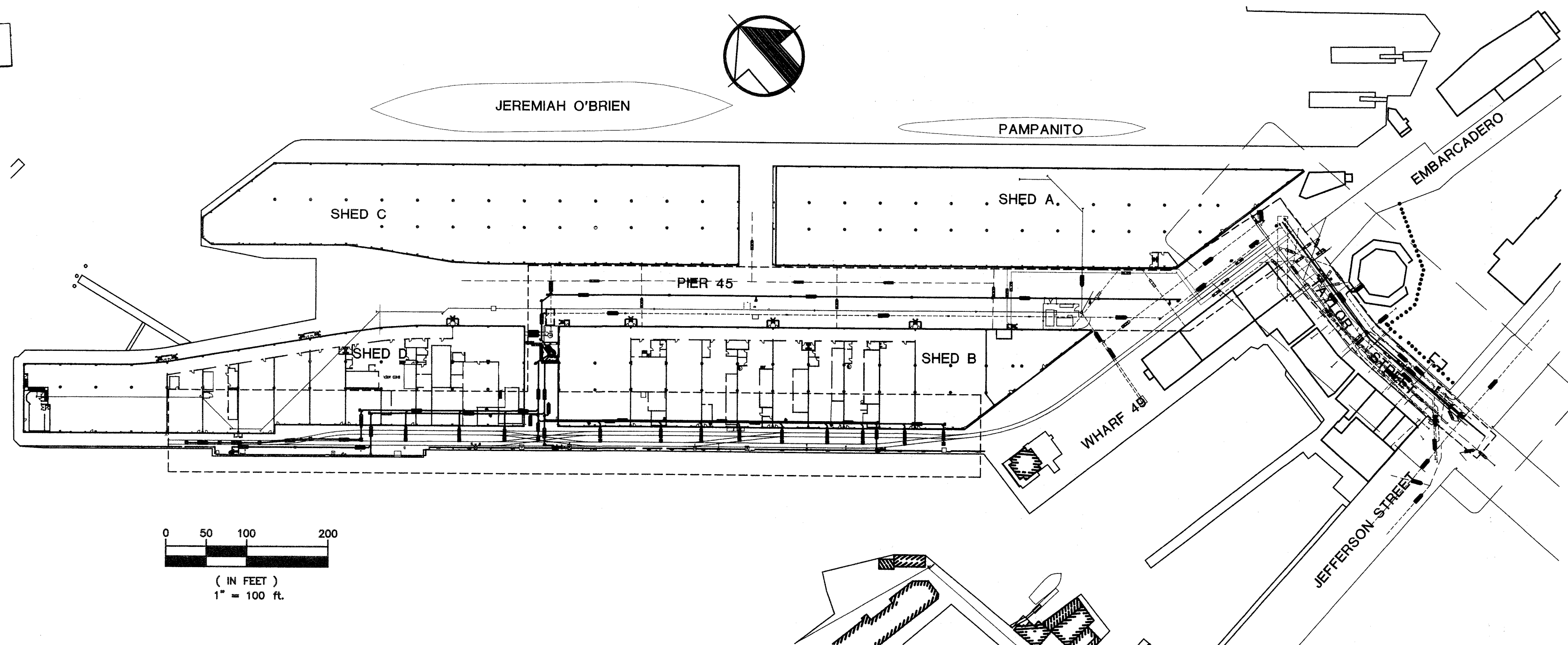
FILE NO.
13353-4006-E

REV. NO.
0

ABBREVIATIONS

AB	AGGREGATE BASE	LF	LINEAL FEET
ALT	ALTERNATE	LP	LOW POINT
AC	ASPHALT CONCRETE	LS	LUMP SUM
APPROX	APPROXIMATELY	LT	LEFT
ARCH	ARCHITECTURAL	MAX	MAXIMUM
ARV	AIR RELEASE VALVE	MECH.	MECHANICAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MIN.	MINIMUM
AV & ARV	AIR/VACUUM & AIR RELEASE VALVE	MH	MANHOLE
B&J	BORE & JACK	MJ	MECHANICAL JOINT
BC	BEGIN CURVE	MLLW	MEAN LOWER LOW WATER
BLDG	BUILDING	MON	MONUMENT
BM	BENCH MARK	N	NORTH
BO	BLOW OFF	(N)	NEW
BSW	BACK OF SIDEWALK	NIC	NOT INCLUDED IN CONTRACT
BW	FG EL. AT BOTTOM OF WALL	NO., 1	NUMBER
C&G	CURB AND CUTTER	NPT	NATIONAL PIPE THREAD
CB	CATCH BASIN	NPW	NON-POTABLE WATER
CI	CURB INLET	NPWV	NON-POTABLE WATER VALVE
CIP	CAST IRON PIPE	NTS	NOT TO SCALE
CL	CLASS	OC, O.C.	ON CENTER
C/L	CENTERLINE	OD	OUTSIDE DIAMETER
CLR	CLEARANCE	OG	ORIGINAL GROUND
CMP	CORRUGATED METAL PIPE	OH	OVERHEAD
CO	CLEAN OUT	O.S.H.A.	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
CON	CONDUIT	OW	OVERHEAD WIRE
CONC	CONCRETE	P, PAVT	PAVEMENT
COR	CORNER	PB	PULL BOX
CP	CONCRETE PIPE	PCC	PORTLAND CEMENT CONCRETE
CR	CURB RETURN	PV	POST INDICATOR VALVE
CRN	CROWN	POC	POINT OF CONNECTION
CU	CUBIC	PG	PROFILE GRADE
DEPT	DEPARTMENT	PL	PROPERTY LINE
DI	DROP INLET	PRV	PRESSURE REDUCING VALVE
DIA, Ø	DIAMETER	PSI	POUNDS PER SQUARE INCH
DIP	DUCTILE IRON PIPE	P.U.E.	PUBLIC UTILITY EASEMENT
DIST	DISTANCE	PVC	POLYVINYL CHLORIDE
DPW	DEPARTMENT OF PUBLIC WORKS	PBMH	PAC BELL MANHOLE
DTL	DETAIL	R	RADIUS
DW	DOMESTIC WATER	RCP	REINFORCED CONCRETE PIPE
DWG	DRAWING	REINF	REINFORCED
DWGS.	DRAWINGS	REQ'D	REQUIRED
E	ELECTRIC	RT	RIGHT
EA	EACH	R/W	RIGHT OF WAY
EL., ELEV	ELEVATION	RWD	REDWOOD
ELEC	ELECTRIC	S	SEWER
ENGR	ENGINEER	S=	SLOPE EQUALS
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
ESMT	EASEMENT	SF	SAN FRANCISCO
EW	EACH WAY	SFPUC	SAN FRANCISCO PUBLIC UTILITIES COMMISSION
EX, (E)	EXISTING	SHD	SCHEDULE
EXP COR	EXPANDED CORNER	SHT	SHEET
FC	FACE OF CURB	S/L	STREET LIGHT
FD	FOUND	SLJ	SLIP JOINT
FDC	FIRE DEPARTMENT CONNECTION	SMH	SEWER MANHOLE
FF	FINISH FLOOR	SPCS	SPECIFICATIONS
FG	FINISH GRADE	SQ	SQUARE
FH	FIRE HYDRANT	SS	SANITARY SEWER
FI	FIELD INLET	SST	STAINLESS STEEL
FL	FLOW LINE	ST	STREET
FLG	FLANGE	STA	STATION
FM	FORCE MAIN	STD	STANDARD
FT	FOOT OR FEET	SW	SIDEWALK
FW	FIRE WATER	TELE	TELEPHONE, COMMUNICATION
G	GAS	TEMP	TEMPORARY
GALV	GALVANIZED	THK	THICK
GB	GRADE BREAK	TP	TOP OF PIPE
GRD	GRADE	TW	TOP OF WALL
GR	GRATE	TYP, (TYP)	TYPICAL
GRND	GROUND	U/G	UNDERGROUND
GV	GATE VALVE	UNO	UNLESS NOTED OTHERWISE
HB	HOSE BIB	US	UNITED STATES
H, HORIZ	HORIZONTAL	UTL	UTILITY
HP	HIGH POINT	V, VERT.	VERTICAL
HT	HEIGHT	VCP	VITRIFIED CLAY PIPE
ID	INSIDE DIAMETER	VDS	VIBRATION DISPLACEMENT SENSOR
IN	INCH OR INCHES	W	WATER
INV	INVERT ELEVATION	WPP	WASTE PROCESS PUMP
IRR	IRRIGATION	W/	WITH
JB	JUNCTION BOX	WT.	WEIGHT
JP	JOINT POLE	WV	WATER VALVE
JT	JOINT	XING	CROSSING
LAT	LATERAL	X SEC	CROSS SECTION
LBS.	POUNDS		

AS BUILT
Signed: _____



SITE PLAN

SCALE: 1"=100'

PROJECT CONTACTS

PORT ENGINEER:	SAN FRANCISCO PORT COMMISSION PORT OF SAN FRANCISCO DEPARTMENT OF ENGINEERING PROJECT MGR: JOHN MUNDY (415)274-0256
CIVIL & STRUCTURAL ENGINEER:	CREGAN + D'ANGELO ENGINEERS 2420 MARTIN ROAD, SUITE 380 FAIRFIELD, CALIFORNIA 94534 ATTN: KEN SWENSON, CE, JOHN TURNER, CE (707)429-5300; DEAN SEDLACHEK (415)834-2010
GEOTECHNICAL ENGINEER:	REZA BARADARAN, P.E., G.E. CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING 30 VAN NESS AVE., 5TH FLOOR SAN FRANCISCO, CA 94102-6099 (415)558-4070

SHEET INDEX

FM-1	LEGEND, ABBREVIATIONS AND GENERAL NOTES
FM-2	TAYLOR STREET FORCE MAIN WITH BORE & JACK PLAN AND PROFILE
FM-3	CASING TRENCHING AND CLEANOUT DETAILS
FM-4	10" FORCE MAIN CONNECTION AND CONCRETE COLLAR DETAILS

SPECIAL INSPECTIONS:

1. DEWATERING OPERATIONS
2. MUNI RAIL "F" LINE
3. BORE & JACK OPERATIONS
4. 51" SEWER CONNECTION

GENERAL NOTES:

1. ALL WORK PER 2007 CALIFORNIA PLUMBING CODE MODIFIED PER SLOPES SHOWN ON PROFILES, CITY OF SAN FRANCISCO DPW STANDARD PLAN AND SPECIFICATIONS, AND CITY OF SAN FRANCISCO MUNICIPAL CODE.
2. UNLESS OTHERWISE NOTED, DISTANCES, COORDINATES AND ELEVATIONS ARE IN UNITS OF FEET, WITH ELEVATIONS RELATIVE TO BASED UPON MEAN LOWER LOW SEA LEVEL = 0.00.
3. THE SAN FRANCISCO CITY DATUM IS 11.67' MLLW DATUM (SUBTRACT 11.67' TO YIELD CITY DATUM). COORDINATE WITH ALAN NEVLING (415)274-0572.
4. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR FINAL ROUTES OF ALL FORCE AND GRAVITY MAINS PRIOR TO CONSTRUCTION, BORE & JACK CONSTRUCTION.

LEGEND

EXISTING	PROPOSED
SEWER	SEWER
SANITARY SEWER FORCE MAIN	SANITARY SEWER FORCE MAIN
STORM DRAIN	STORM DRAIN
STORM DRAIN CATCH BASIN	STORM DRAIN CATCH BASIN
SANITARY SEWER	SANITARY SEWER
CLEAN OUT and REMOVABLE CAP	CLEAN OUT and REMOVABLE CAP
WATER LINE	WATER LINE
FIRE WATER	FIRE WATER
FIRE DEPARTMENT CONNECTION	FIRE DEPARTMENT CONNECTION
REDUCED PRESSURE BACKFLOW DEVICE	REDUCED PRESSURE BACKFLOW DEVICE
DETECTOR CHECK VALVE	DETECTOR CHECK VALVE
WATER VALVE	WATER VALVE
FIRE HYDRANT	FIRE HYDRANT
AIR RELEASE VALVE	AIR RELEASE VALVE
WATER METER	WATER METER
GAS LINE	GAS LINE
GAS VALVE	GAS VALVE
ZINC ANODE	ZINC ANODE
UNDERGROUND ELECTRIC LINE	UNDERGROUND ELECTRIC LINE
UTILITY POLE	UTILITY POLE
UTILITY VAULT	UTILITY VAULT
UNDERGROUND TELECOMMUNICATIONS LINE	UNDERGROUND TELECOMMUNICATIONS LINE
STREET LIGHTS	STREET LIGHTS
BORE PIT	BORE PIT
STEEL CASING	STEEL CASING
THRUST BLOCK	THRUST BLOCK
SLURRY SEAL	SLURRY SEAL
PAVING (VARYING WIDTH)	PAVING (VARYING WIDTH)
MECHANICAL JOINT RESTRAINT	MECHANICAL JOINT RESTRAINT

PLANS ARE TO BE RETURNED WITH CORRECTIONS MADE AND CERTIFIED TO IN RED INK AND DATED BY THE INSPECTOR IN CHARGE UPON COMPLETION OF THE WORK BEFORE FINAL PAYMENT IS MADE.
SIGNATURE: _____

ALTERNATE BID ITEM NO. 1

DPW FILE NO. 89,960

Creegan + D'Angelo
INFRASTRUCTURE ENGINEERS
2420 Martin Road, Suite 380
Fairfield, CA 94534
Tel (707) 429-5300
Fax (707) 429-2086
www.cdengineers.com

NO.	DATE	DESCRIPTION	BY	APP.
8/4/09	ADDENDUM NO. 2		JM/KVB	UP

SAN FRANCISCO PORT COMMISSION
PORT OF SAN FRANCISCO
DEPARTMENT OF ENGINEERING

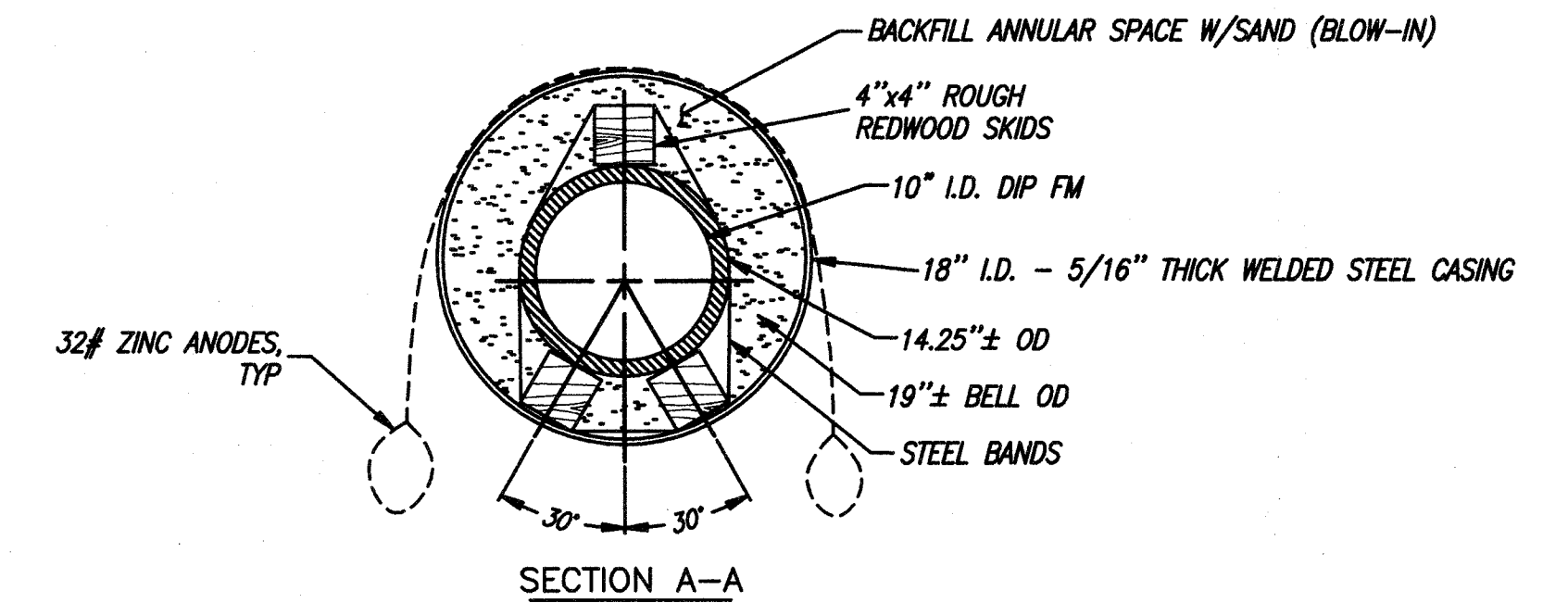
PORT OF SF (ALAN NEVLING)
-PIER 45 PLANS/EARTHQUAKE REPAIR PROJECT
DEW
HYDE ST. SEWER OUTFALL
CONSOLIDATION 1974 PLANS
-MARINA-NORTH POINT
DISCHARGE SEWER 1935 PLAN

REVISION PROFESSIONAL ENGINEER
No. 43034
EXP. 3/31/10
KRS

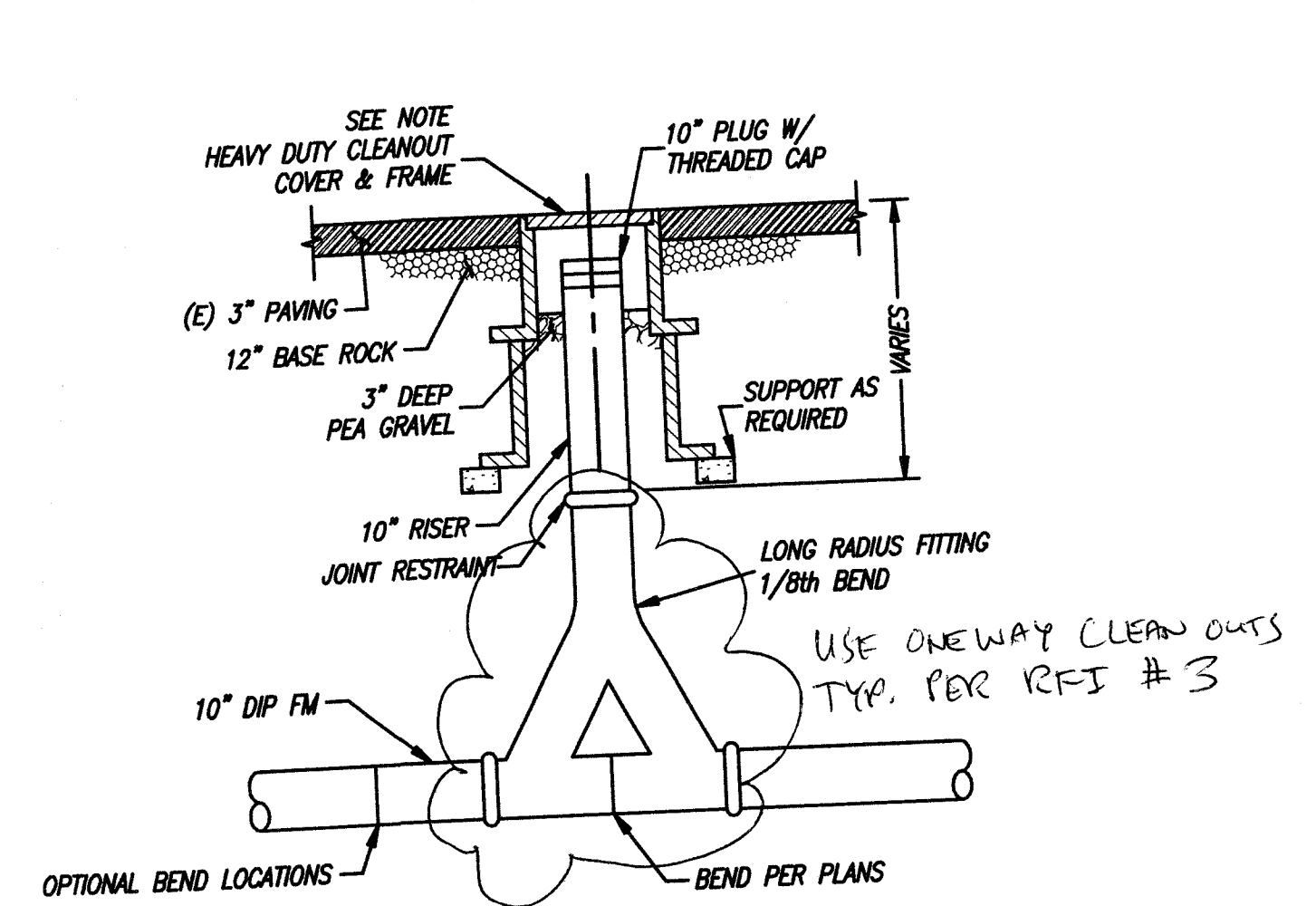
DESIGNED: JET	DATE: 01/20/09	APPROVED BY: SAN FRANCISCO PORT COMMISSION	DATE: 8/7/09	SCALE: AS NOTED	TAYLOR STREET IMPROVEMENTS THE EMBARCADERO TO JEFFERSON STREET	CONTRACT NO. 1498J
DRAWN: MSL/LAM	DATE: 01/20/09	CHECKED: KRS	DATE: 01/26/09	SHEET OF SHEETS 32 OF 39		DRAWING NO. FM-1
LEGEND, ABBREVIATIONS AND GENERAL NOTES					FILE NO. 13393-45-C	REVISION NO. 0

AS BUILT
Signed: *[Signature]*

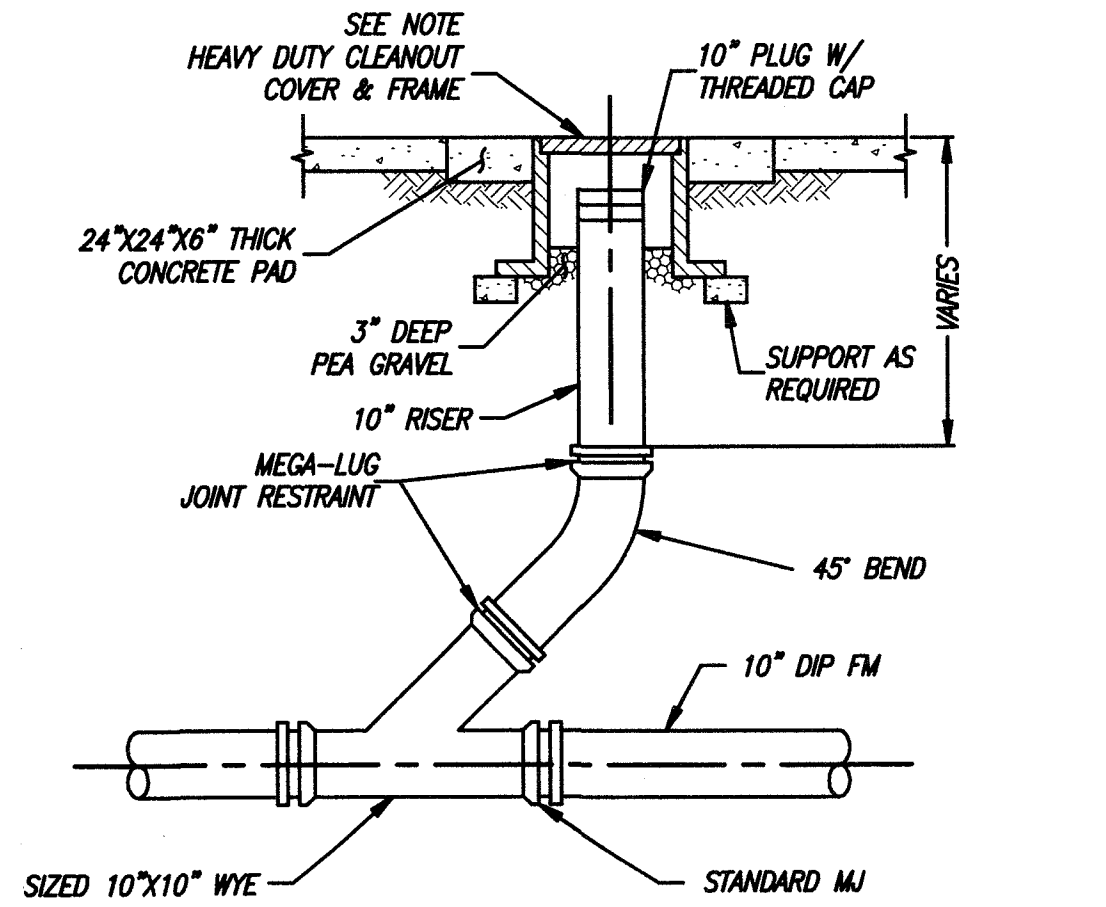
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[Signature]
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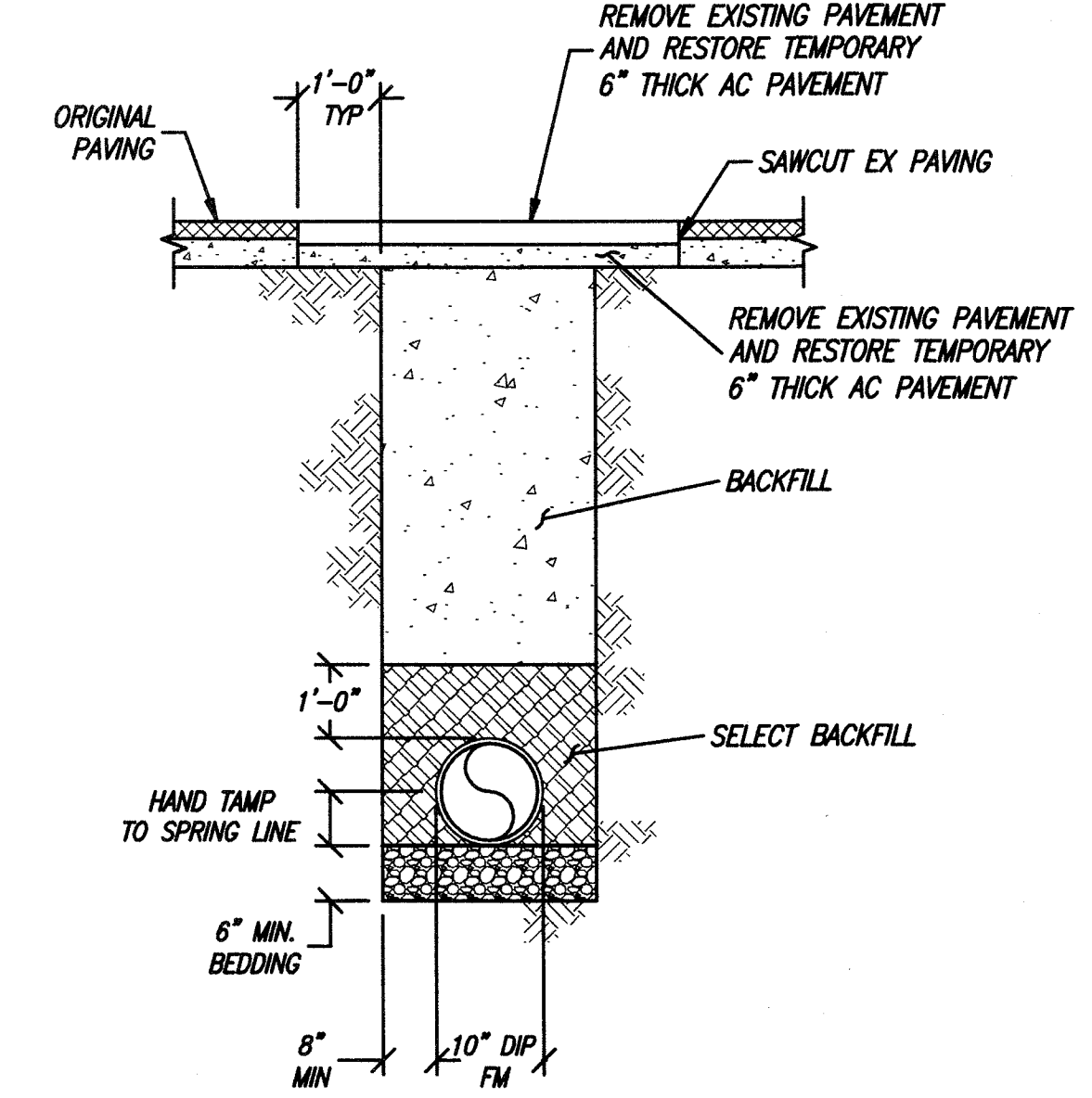
E CASING SECTION NTS



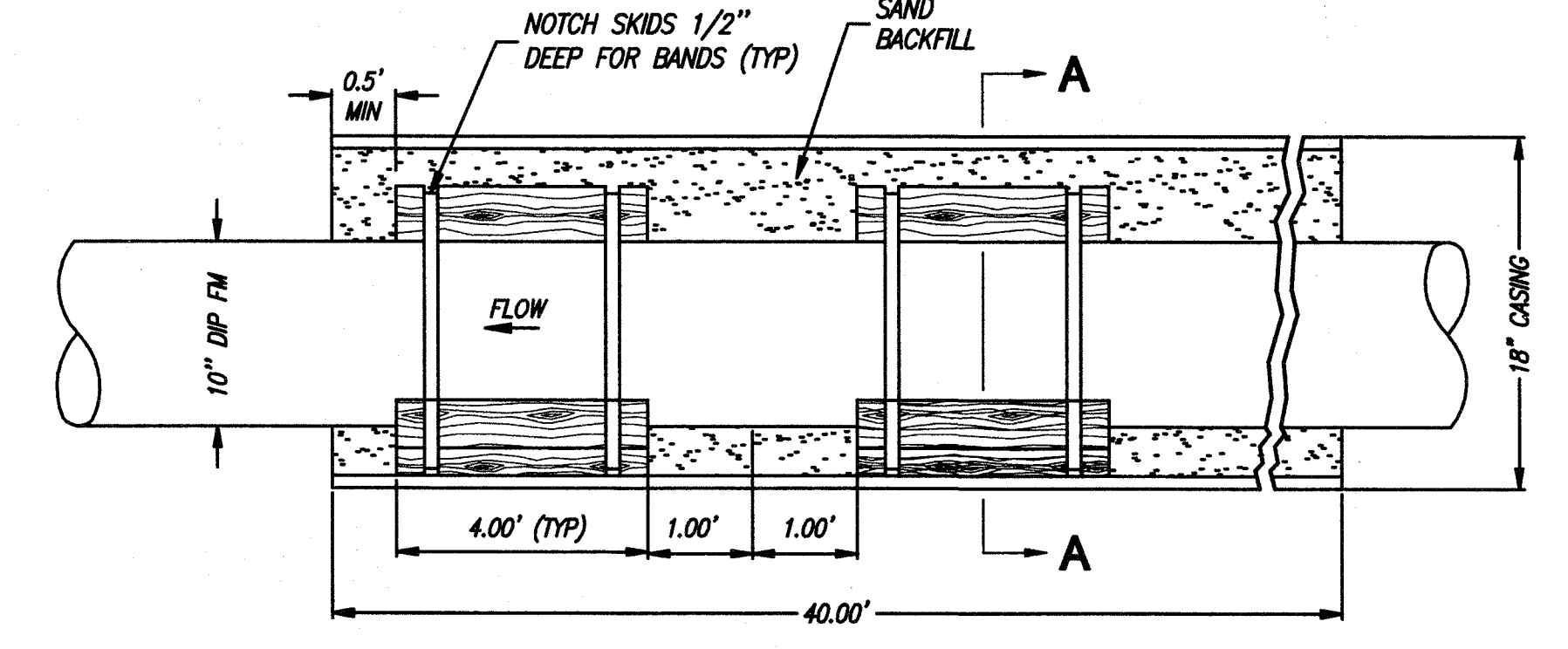
A TWO-WAY CLEANOUT AT FORCE MAIN NTS



CLEAN OUT AT 10" FORCE MAIN NTS

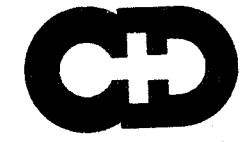


C TYPICAL TRENCHING AND BURIED PIPES NTS



D STEEL CASING DETAIL UNDER MUNI RAILWAY NTS

NOTE:
TRACTOR SHALL CONSTRUCT NEW COVERS AND FRAMES TO FINISHED GRADE AND
ALL TEMPORARY GRADE RINGS AS NEEDED TO CONFORM TO EXISTING GRADE.
DE RINGS SHALL BE REMOVED DURING ROADWAY CONSTRUCTION.



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NO.		DATE	DESCRIPTION	BY	APP.
8/4/09		ADDENDUM NO. 2		JM/KVB	UP
			TABLE OF REVISIONS		
			CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION		

REFERENCE INFORMATION
& FILE NO. OF SURVEYS
PORT OF SF (ALAN NEVILL)
-PIER 45 PLANS/EARTHQUAKE
REPAIR PROJ.



SAN FRANCISCO PORT COMMISSION
PORT OF SAN FRANCISCO
DEPARTMENT OF ENGINEERING



DESIGNED: DATE: 01/20/09
JET
DRAWN: DATE: 01/20/09
MLS
CHECKED: DATE: 01/26/09
KRS

APPROVED BY
SAN FRANCISCO PORT COMMISSION
DATE: 8/7/09
[Signature]
CHIEF HARBOR ENGINEER

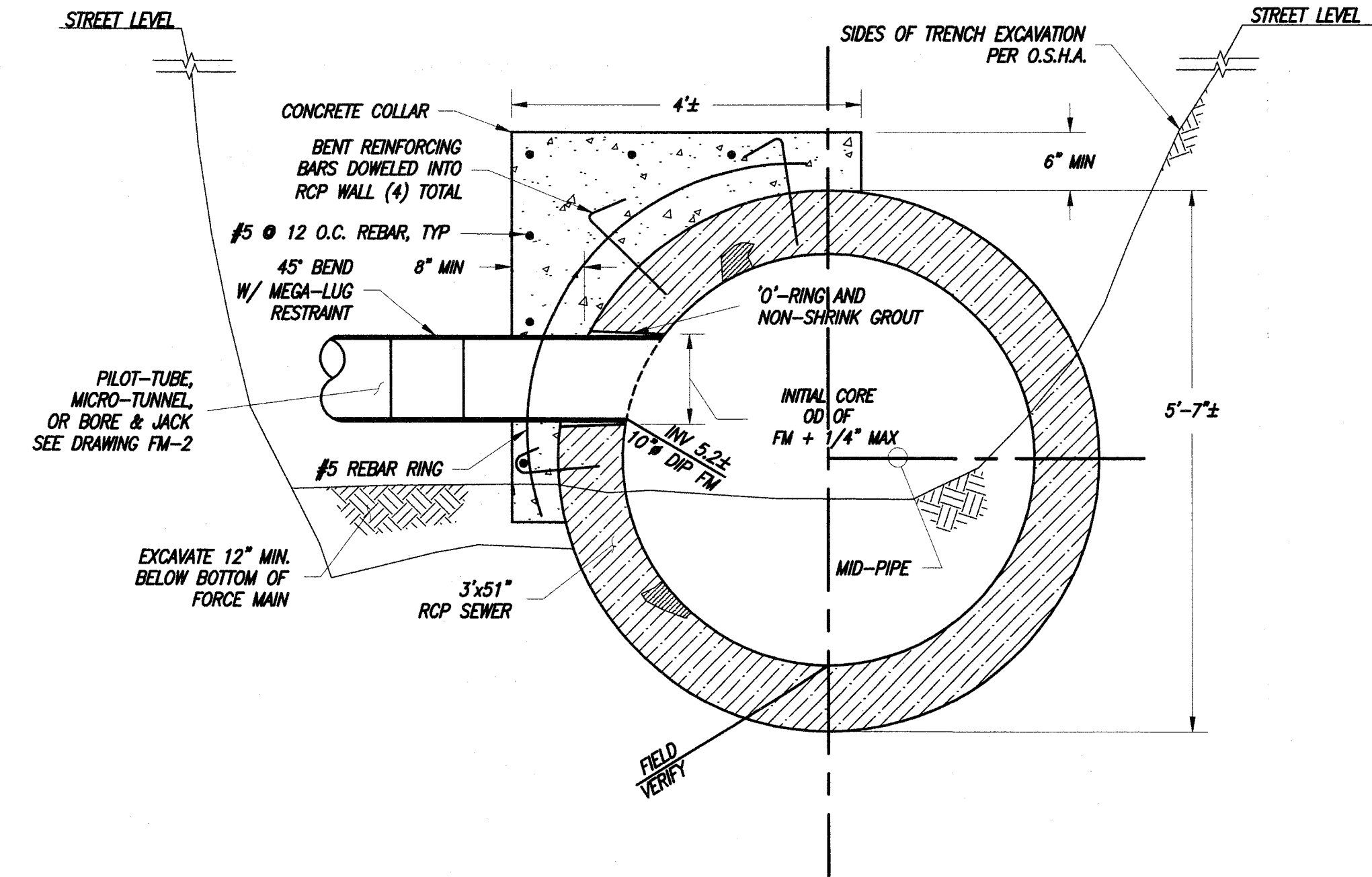
SCALE:
AS NOTED
SHEET OF SHEETS
34 OF 39

TAYLOR STREET IMPROVEMENTS
THE EMBARCADERO TO JEFFERSON STREET
CASING, TRENCHING AND CLEANOUT DETAILS

CONTRACT NO.
1498J
DRAWING NO.
FM-3
FILE NO.
13404-45-C
REVISION NO.
0

ALTERNATE BID ITEM NO. 1

DPW FILE NO. 89,960.2



SECTION 51" RCP SEWER
(AS-BUILT OUTFALL)
LOOKING DOWNSTREAM

SCALE: 1"=3/4"

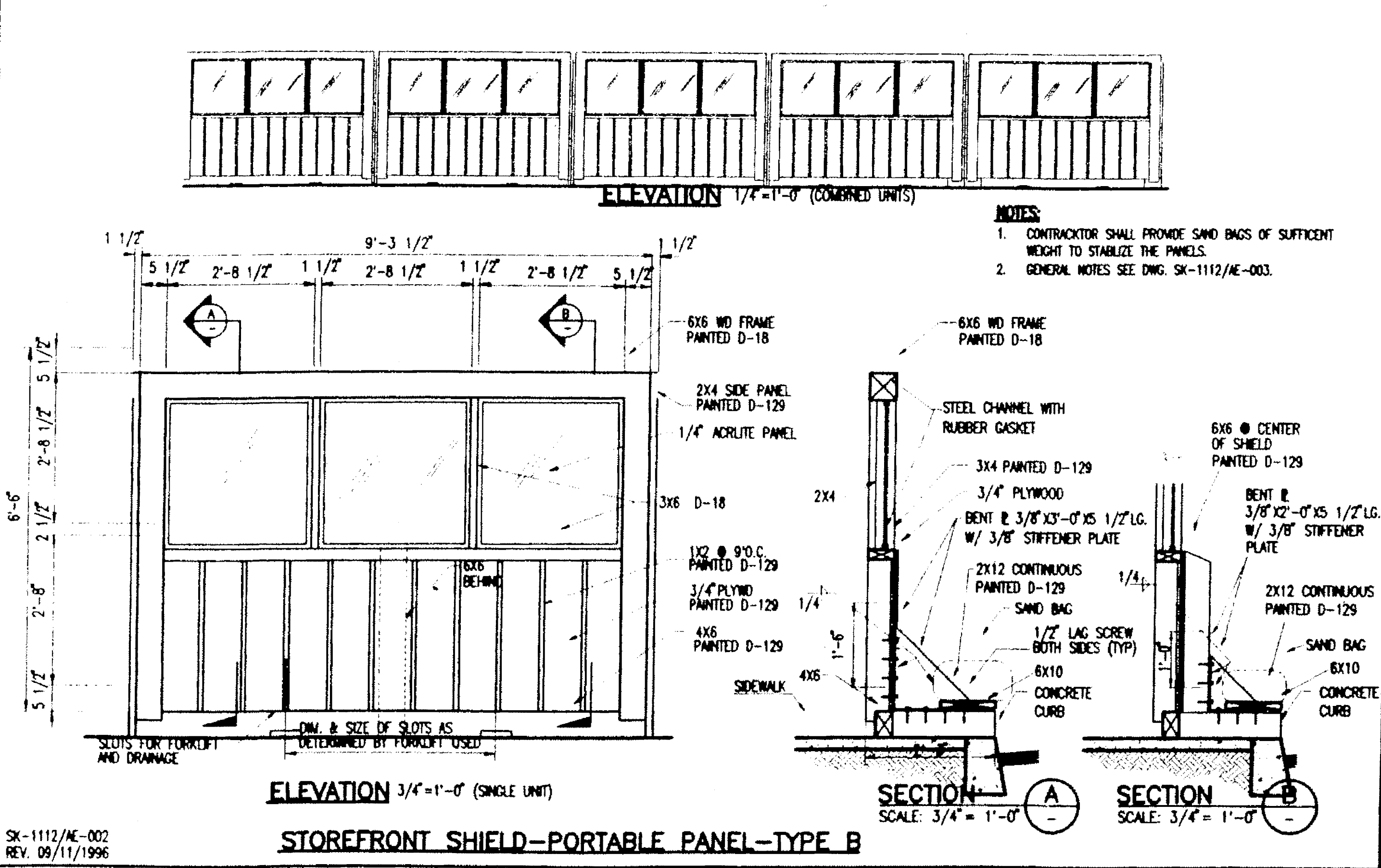
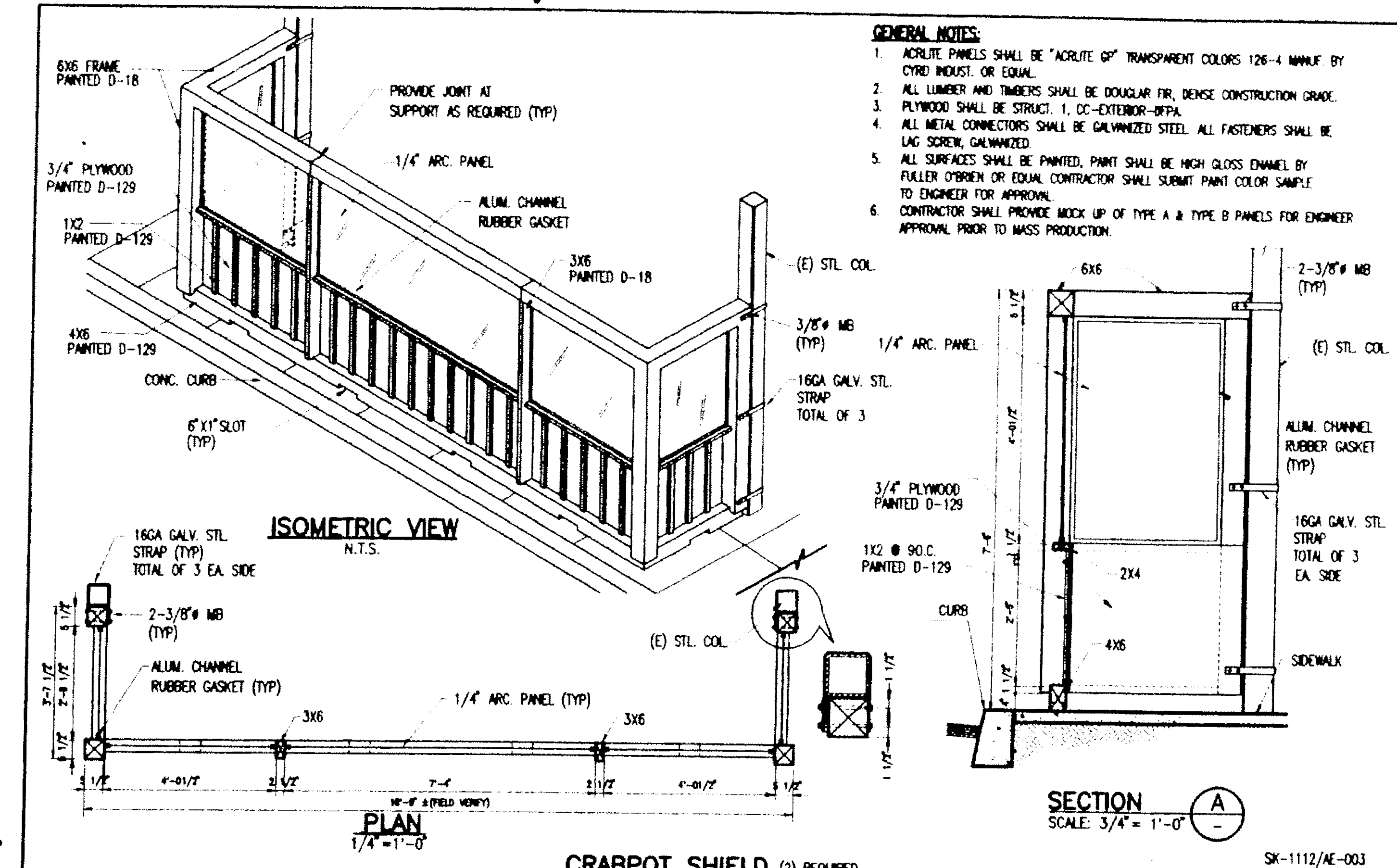
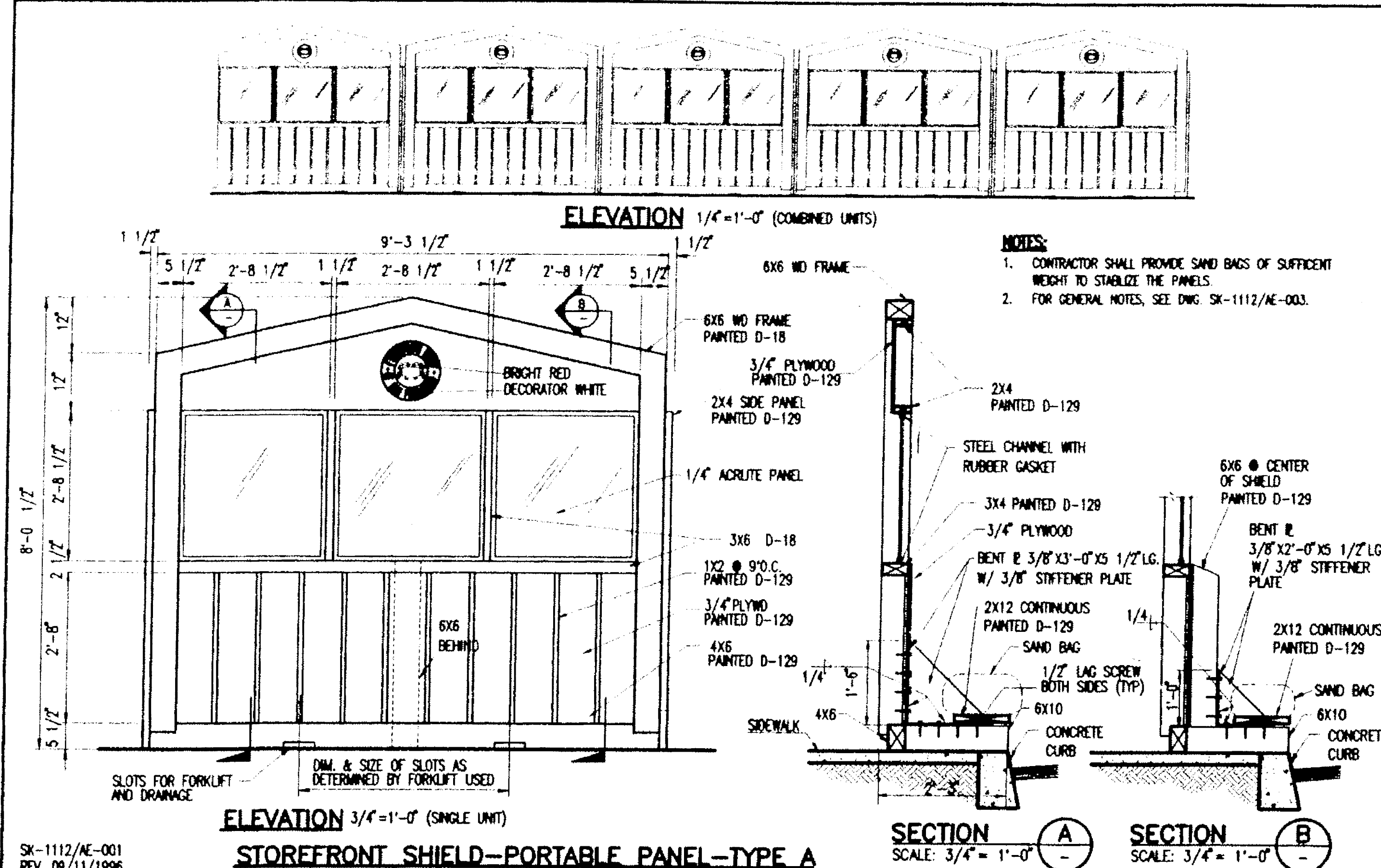
USE THIS COLLAR IF RCP ENCOUNTERED AT OUTFALL CONNECTION.

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
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FINAL PAYMENT CAN BE MADE.
Stanley
SIGNED-INSPECTOR

1. (2) RECORD DRAWINGS SHOW 51" RCP AT WHARF RESTAURANTS, OLDER DRAWINGS INDICATE BRICK SEWER. CONTRACTOR TO VERIFY MATERIALS, AND ENTER OUTFALL ABOVE MID-PIPE.
2. CORE DRILL INTO THE (E) BRICK (OR CONCRETE PIPE) TO 1/4" OVER THE OUTSIDE DIAMETER OF THE NEW 10" FORCE MAIN.
3. DOWEL AND PLACE NON-SHRINK GROUT AND (4) BENT REINFORCING BARS INTO (E) BRICK OR 51" RCP SEWER.
4. WRAP REBAR INTO RING AROUND BENT BARS.
5. TRIM THE 10" FORCE MAIN TO CONFORM TO THE INTERIOR OF THE PIPE WHEN INSTALLED.
6. INSERT THE STUB INTO THE CORE ENSURING THAT NO PORTION OF THE 10" FORCE MAIN PROTRUDES PAST THE INSIDE OF THE PIPE, AND THAT THE 10" FORCE MAIN PROTRUDES A MINIMUM OF 2 1/2" FROM THE OUTSIDE OF THE PIPE.
7. INSTALL "O"-RING AND NON-SHRINK GROUT AROUND PERIMETER OF 10" FORCE MAIN. KEEP INSIDE OF 51" BRICK SEWER CLEAR OF NON-SHRINK GROUT. ALLOW SUFFICIENT TIME FOR NON-SHRINK GROUT TO CURE PRIOR TO INSTALLATION OF CONCRETE COLLAR.
8. POUR CONCRETE COLLAR WITH 5-SACK 3,000 PSI CONCRETE.
9. CONTRACTOR TO SUBMIT BORE & JACK DETAILS AND SHOP DRAWINGS FOR REVIEW BY THE ENGINEER AND PORT OF SF PRIOR TO CONSTRUCTION.
10. SPRAY MORTAR, SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 6,000 PSI AT 7 DAYS.
11. NON-SHRINK CEMENT SHALL BE QUICK SETTING WITH MIN. COMPRESSIVE STRENGTH OF 5,500 PSI AT 28 DAYS.

DPW FILE NO. 89,960.3

CONTRACT NO.	1498J
DRAWING NO.	FM-4
FILE NO.	13408-45-S
REVISION NO.	0



36

PLANS ARE TO BE RETURNED WITH CORRECTIONS MADE AND CERTIFIED TO IN RED INK AND DATED BY THE INSPECTOR IN CHARGE UPON COMPLETION OF THE WORK BEFORE FINAL PAYMENT CAN BE MADE.
 SIGNED INSPECTOR

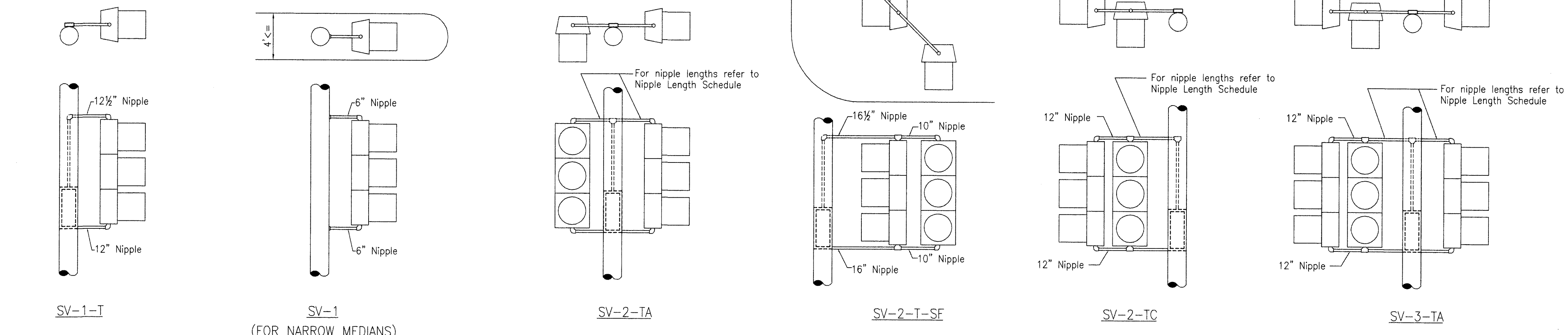
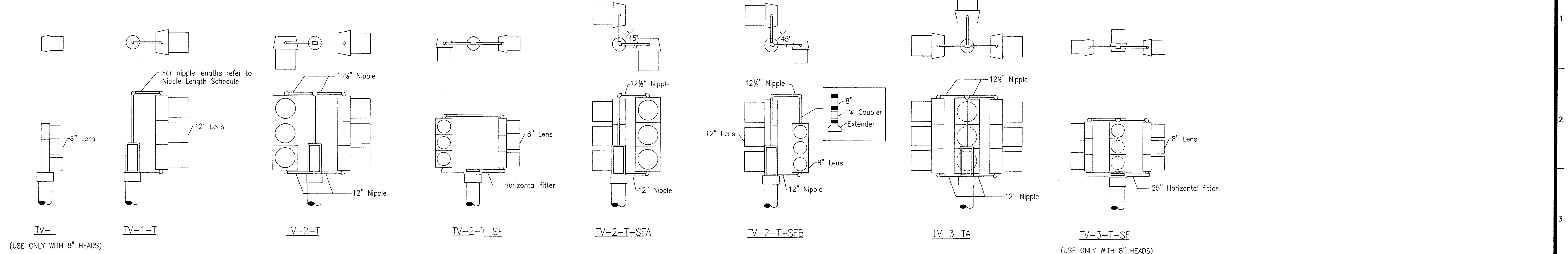
Reference Drawing No. SK-1112/AE-001.2.3

DESIGNED: <i>T.K.</i> DRAWN: <i>Breen</i> CHECKED: <i>C.W.</i> RECOMMENDED: <i>C.W.</i> APPROVED: <i>[Signature]</i> DATE:		CITY AND COUNTY OF SAN FRANCISCO PUBLIC TRANSPORTATION DEPARTMENT APPROVED: _____ DIRECTOR OF PUBLIC TRANSPORTATION	MUNI METRO SYSTEM F-LINE FISHERMAN'S WHARF LOOP NORTHPOINT STREET TO JONES STREET STOREFRONT AND CRABPOT SHIELDS	CONTRACT: MR-1112R DRAWING: SK-1112/AE-001.2.3 REVISION: <i>0</i>
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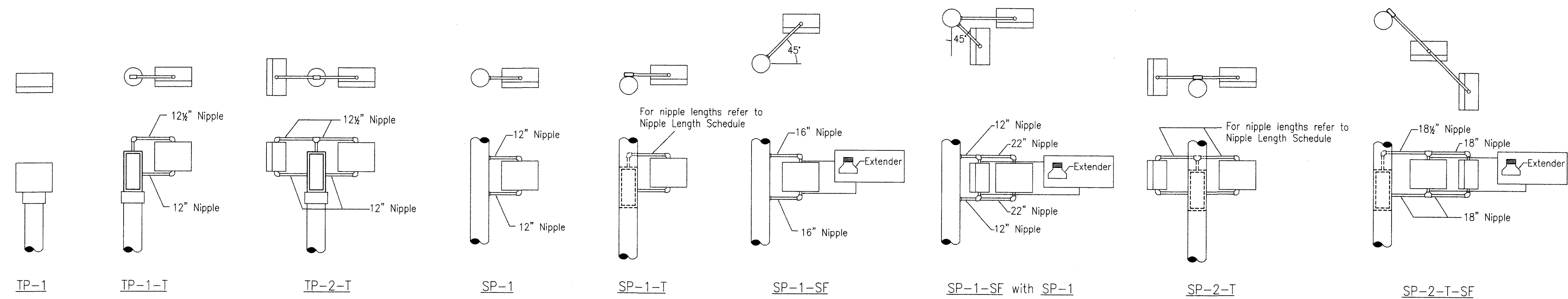
AS/BUILT
Signed: [Signature]

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
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FINAL PAYMENT CAN BE MADE.
SIGNED INSPECTOR: [Signature]

A B C D E F G H I J K L M N O P



VEHICULAR SIGNAL MOUNTINGS



PEDESTRIAN SIGNAL MOUNTINGS

NIPPLE LENGTH SCHEDULE

MOUNTING DETAIL	POLE DIAMETER	LENS TYPE	TOP NIPPLE LENGTH	BOTTOM NIPPLE LENGTH
SV-2-TA SV-3-TA SV-2-TC	If ≤ 8" and 8" Sections Otherwise	Pedestrian	12 1/2"	12"
SP-1-T SP-2-T			16 1/2"	16"
SP-1-T SP-2-T	4" TO 6"	Pedestrian	12 1/2"	12"
SP-1-T SP-2-T	7" TO 8"	Pedestrian	14 1/2"	14"
SP-1-T SP-2-T	> 8"	Pedestrian	18 1/2"	18"
TV-1-T		12" Sections or Combinations	12 1/2"	12"

Notes: Combinations denote at least one 12" lens on the signal head.
All dimension are expressed in inches.

NOTES:

- Mountings shall be oriented to provide maximum horizontal clearance to adjacent roadway.
- Bracket arms shall be long enough to permit proper alignment of signals and backplates.
- See State of California Department of Transportation standard plans ES-3D and ES-3E for attachment fitting details (except pole plates).
- All framing shall be 1-1/2 hot dip galvanized pipe.
- Mounting details are for internally wired poles.
- Mounting height is measured from the sidewalk to bottom of lower bracket nipple.
- For side mounted signals, U-bolt clamp required for steel or concrete poles. Pole plate with lag screws for wood poles.
- Framework plugs shall be galvanized steel.
- For TV-2-T-SFA and TV-2-T-SFB mountings, the terminal compartment shall be oriented to face the nearest curb to provide for street access.
- See State of California Department of Transportation Standard plans ES-3A and ES-3B for other types of signal head mounting details.

ABBREVIATIONS:

TP	Top mounted pedestrian signal
TV	Top mounted vehicular signal
SP	Side mounted pedestrian signal
SV	Side mounted vehicular signal
1,2,3,4	Number of signal heads (3 section unless otherwise indicated)
T	Terminal compartment
TA	Terminal compartment in configuration "A" (See Caltrans ES-3A)
SF	San Francisco Standard
SFA	San Francisco Standard in configuration "A"

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



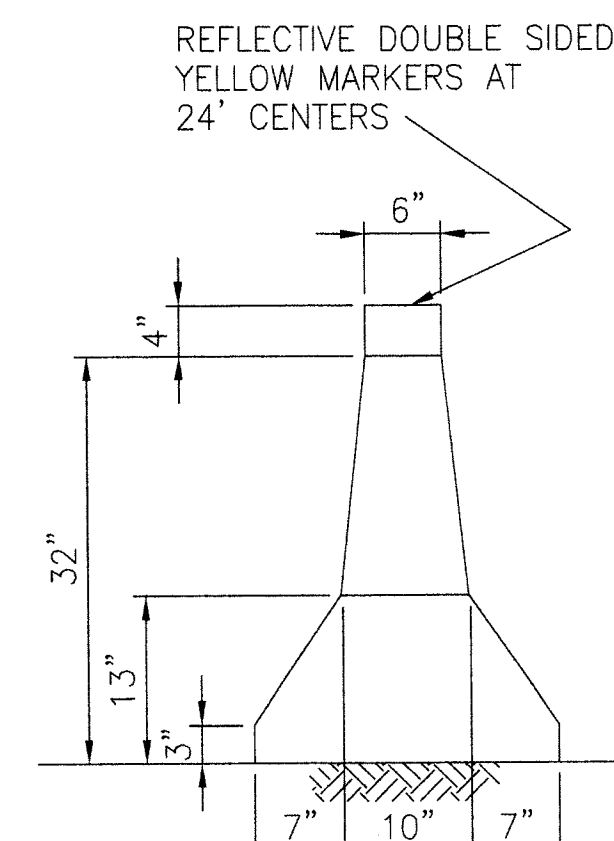
DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: DPT 01/01/95	APPROVED: [Signature] SECTION ENGINEER DATE: [Signature] DATE: [Signature]	SCALE: NONE	TAYLOR STREET IMPROVEMENTS	CONTRACT NO. 1498J
DRAWN: DATE: CXL 07/27/99	CHECKED: DATE: RO/BW 1/4/02	SHEET OF SHEETS 26 OF 39	SIGNAL HEAD MOUNTINGS	DRAWING NO. STR-7025
				FILE NO.
				REV. NO.

17761-4006-AB

PLANS ARE TO BE RETURNED WITH
CORRECTIONS MADE AND CERTIFIED
TO IN RED INK AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.
Andreas Rosen
SIGNED-INSPECTOR



CONCRETE BARRIER
SEPARATING TWO DIRECTIONS OF TRAFFIC



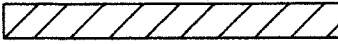
Technical drawing of a connector. The drawing shows a side view of a component with a total length of 40" and a width of 1 7/8". The component has a central section with two circular features and two end sections. The left end is labeled "MALE END" and the right end is labeled "FEMALE END".

QUICKCURB ATTACHMENTS



DETAIL 8

1. THESE ARE NOT CONSTRUCTION DRAWINGS. THESE ARE INCLUDED ONLY FOR THE ASSISTANCE OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS IN THE FIELD.
3. ALL CROSSWALKS AND "STOP" LINES SHALL BE 12" SOLID WHITE UNLESS NOTED OTHERWISE.
4. CONTRACTOR SHALL REMOVE THE EXISTING CONFLICTING STRIPING.
5. ALL DIAGONAL LINES SHALL BE 12" SOLID YELLOW AT 45° @ 20'-0" O.C.

	CHAIN LINK FENCE (8'-0" HIGH MIN.)
	PROPERTY LINE
	CONSTRUCTION AREA
	K-RAIL/WATER FILLED BARRIER/ CURB SEPARATOR WITH DELINEATORS
	36" PORTABLE DELINEATORS
	TYPE III BARRICADE
	RAISED MEDIAN / ISLAND

BW	BROKEN WHITE
DY	DOUBLE YELLOW
S	STOP
SW	SOLID WHITE
BY	BROKEN YELLOW
SY	SINGLE SOLID YELLOW
Y	YIELD

← DIRECTION OF TRAFFIC

TABLE OF CHANGES

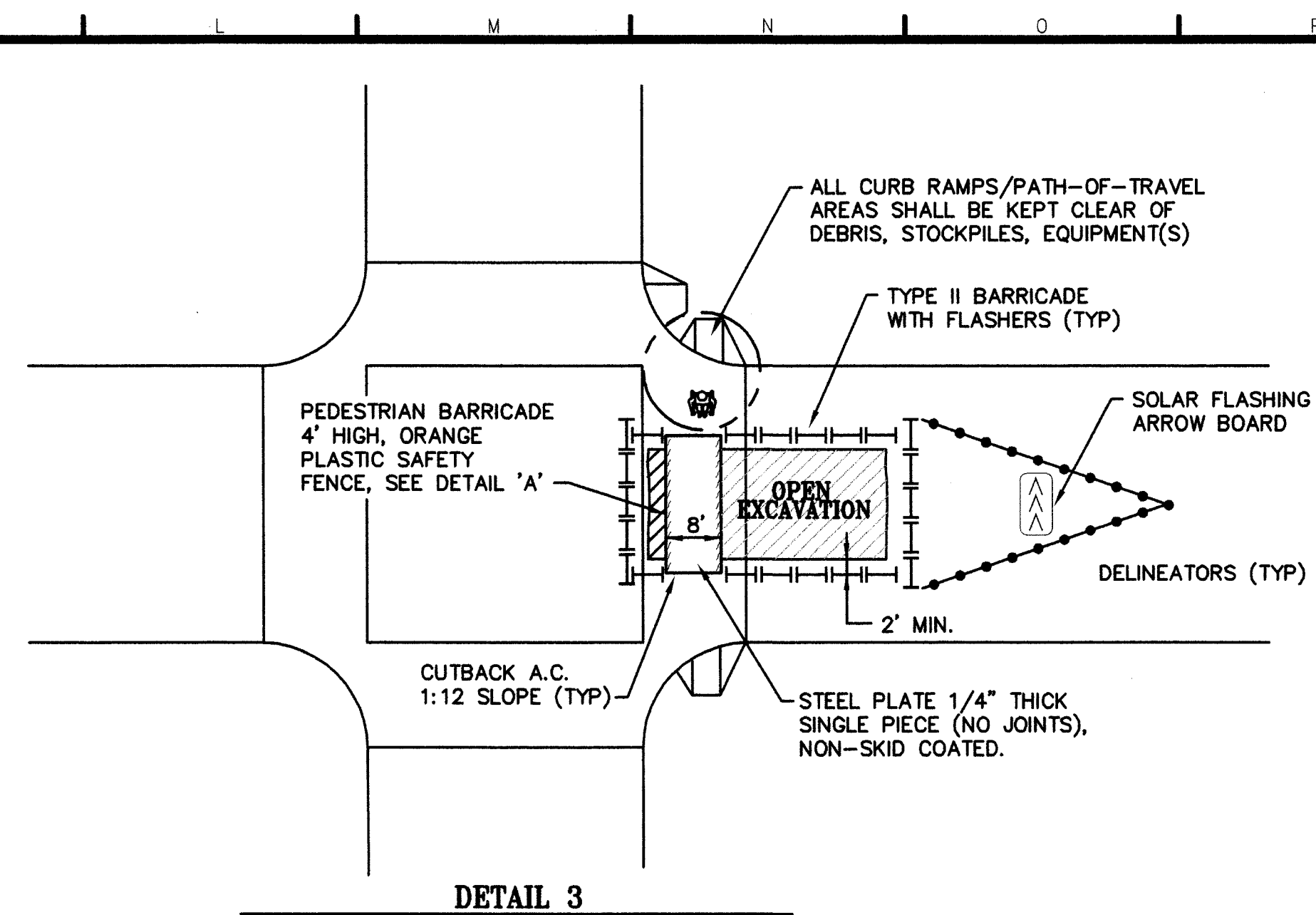
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

REFERENCES INSERT FILE NO'S OF SURVEYS PLANS, ETC., USED			CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PARKING AND TRAFFIC			
			DETAILS FOR DELINEATORS, CHANNELIZERS AND BARRICADES			
		DATE				
DESIGNED BY	RJ	5/05				
DRAWN BY	AW	5/05				
CHECKED BY	RJ	5/05				
PP.			SCALE:	N.T.S.	SHEET OF	
APPROVED SECTION ENG.		APPROVED	CITY TRAFFIC ENGINEER		STR NUMBER	FILE NO.
		DATE			STR-7695	

PLANS AND RECORDS SHALL BE OPEN TO THE
CORRECTIONS WARD AND SURVEILLANT
TO IN RED IN AND DATED BY THE
INSPECTOR IN CHARGE UPON
COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE.

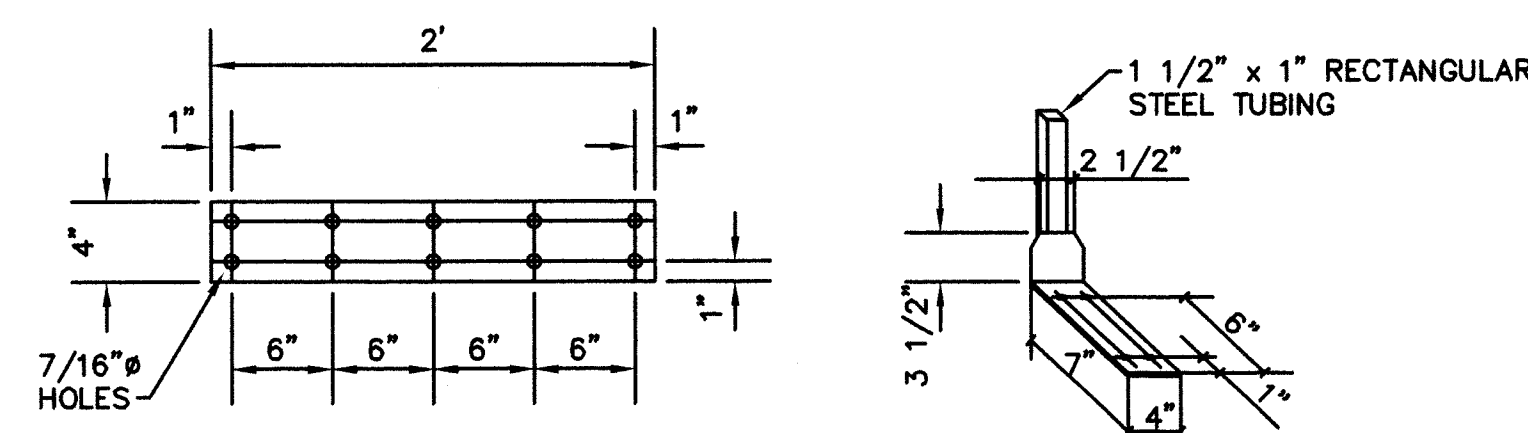
Mark H. Long

SIGNED-INSPECTOR



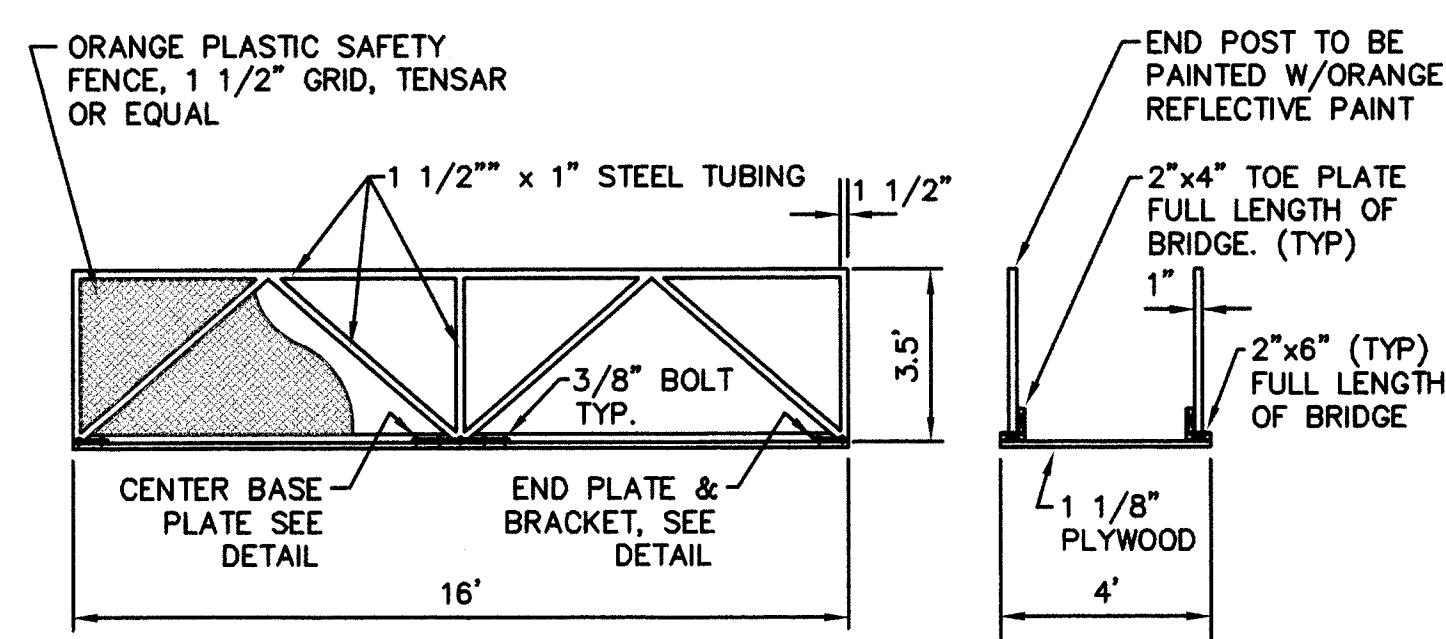
DETAIL 3
CROSSWALK OVER PLATED EXCAVATION

N.T.S.

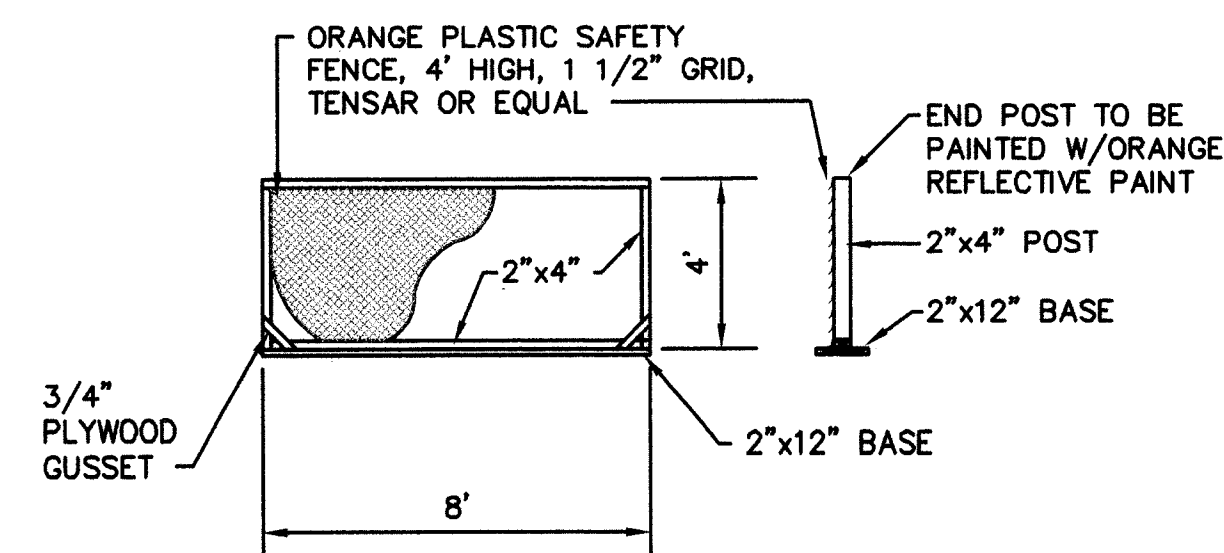


END PLATE & BRACKET DETAIL

N.T.S



N.T.S.



DETAIL 'B'

PEDESTRIAN BARRICADE-SAFETY FENCE TYPE

N.T.S.

N.T.S.

- All construction activities involving work within the public right-of-way shall comply with the following requirements to allow access for persons with disabilities:
1. A safe path-of-travel at least 4' wide shall be maintained at all times. Do not obscure curb ramps or temporary ramps with equipment(s), debris or vehicles. Safe path of travel shall be separated from construction area and traffic area by Triton Barriers.
2. All existing crosswalks, including crosswalks within construction zones, shall be kept open at all times, unless prior approval by the Resident Engineer has been received.
3. Crosswalks over excavation shall be plated or bridged in conformance with typical layout and details included herein.
4. Crosswalks through work zones, and access to such crosswalks shall be delineated with pedestrian barricades – safety fence type as shown in the details or approved pedestrian barricades such as K-rails and Triton Barriers. Cones, and other delineators that do not provide appropriate path of travel information for blind pedestrians using cones, are not to be used as pedestrian barricades at any time.
5. Crosswalks which are temporarily closed, shall be barricaded at each end with approved pedestrian barricades and signs.
6. Whenever a temporary crosswalk is provided outside the existing crosswalk, such temporary crosswalk shall be clearly defined by signs, striping and pedestrian bridges or plating. The minimum width of the temporary crosswalk shall be ten feet. If the location of the temporary crosswalk is 15 feet or more from the existing crosswalk with pedestrian signal(s), the Contractor shall provide temporary pedestrian signals at these crosswalks. The Contractor shall immediately remove temporary striping, bridges and signals when the temporary crosswalk is no longer needed.
7. Temporary asphalt or wood ramps shall be installed when no curb ramp(s) are available for use. This is also a safe path-of-travel for persons with disabilities at all locations where permanent ramps have been temporarily removed during construction and where pedestrians detour into and out of the parking lane of the street. Asphalt ramps shall have a minimum 4' wide platform, shall have a maximum slope of 8.33% with winged slopes of 10% and shall be constructed so as to preclude any gaps between the concrete and asphalt surfaces. Such ramps shall be constructed so that their removal will not damage the existing pavement, curb, and gutter. All surfaces shall be restored to their original condition. Where drainage may be impaired, a 2" diameter schedule 40 PVC pipe shall be installed through the base of the ramp. Wood ramps shall be built up on the curb side (with a suitable thickness of wood support and attached with suitable nails) to provide a smooth transition without gaps larger than 1/4" between the wood ramp and the concrete curb.
8. Whenever permanent curb ramps are to be disturbed during construction activities, temporary ramps shall be required. Such temporary ramps shall be removed by the contractor once construction of the permanent curb ramps is completed, leaving the site undamaged.
9. Where an access corridor cannot be utilized due to traffic limitations as determined by the Traffic Engineer, 36"x36" signs containing lettering, stating that the sidewalk is closed and directing pedestrians to use the accessible safe sidewalk, must be posted at the corners of each block affected, and the excavation or construction area protected with approved barricades to protect pedestrians including those with disabilities.
10. Disabled access corridors necessitated by the closure of the sidewalk area for construction in the sidewalk or when required by adjacent construction shall be a minimum of 4' wide and shall be maintained free from all obstruction or abrupt changes in grade. The minimum vertical clearance from any overhead obstruction shall be 7 feet. Pedestrian traffic shall be protected by a barrier at least 3'-6" in height on the street when the walkway extends into the roadway, or is adjacent to excavations.

I	3/10/06	SAFE PATHWAY TRAVEL	TA	RJ	
NO.	DATE	DESCRIPTION	BY	APP.	
TABLE OF CHANGES					
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION					

REFERENCES INSERT FILE NO'S OF SURVEYS PLANS, ETC., USED			CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PARKING AND TRAFFIC		
			PEDESTRIAN CROSSWALKS THROUGH CONSTRUCTION ZONES		
		DATE			
DESIGNED BY	RJ	5/05			
DRAWN BY	AW	5/05			
CHECKED BY	RJ	5/05			
APPROVED SECTION ENG.			SCALE: N.T.S.		SHEET OF SHEETS
			APPROVED	STR NUMBER	CHANGE NO
			DATE	CITY TRAFFIC ENGINEER	STR-7696 I

8 INCH DUCTILE IRON PIPE MAIN INSTALLATION IN TAYLOR STREET FROM THE EMBARCADERO TO JEFFERSON STREET

LEGEND:

UTILITIES	
SFWD	WATER DEPARTMENT
AWS	AUXILIARY WATER SUPPLY SYSTEM
BLP	BUREAU OF LIGHT, HEAT & POWER
C	TCI CABLE
DOE	DEPARTMENT OF ELECTRICITY
E	PG & E ELECTRICITY
G	PG & E GAS
ST	PG & E STEAM
HH	HETCH HETCHY WATER & POWER
T	PACIFIC BELL TELEPHONE
TH	SAN FRANCISCO THERMAL
MC	MCI METRO (TELEGRAPH)
TS	DEPARTMENT OF PARKING & TRAFFIC (TRAFFIC SIGNAL)
PIPE	
CIP	CAST IRON PIPE
CP	CONCRETE PIPE
C	COPPER PIPE
DIP	DUCTILE IRON PIPE
G	GALVANIZED PIPE
IP	IRON PIPE
ISP	IRON STONE PIPE
P	PIPE
PP	PLASTIC PIPE
RCP	REINFORCED CONCRETE PIPE
SP	STEEL PIPE
TP	TRANSITE PIPE
VCP	VITRIFIED CLAY PIPE
WIP	WROUGHT IRON PIPE
CONDUIT	
C	CONDUIT
CC	CABLE CONDUIT
DBC	DIRECT BURIAL CONDUIT
FC	FIBER CONDUIT
FCC	FIBER CEMENT CONDUIT
PC	PLASTIC CONDUIT
SC	SOAPSTONE CONDUIT
TC	TILE CONDUIT
WC	WOOD CONDUIT
DUCT	
CD	CONCRETE DUCT
CWD	CREOSOTED WOOD DUCT
D	DUCT
PD	PAPER PIPE DUCT
TD	TRANSITE DUCT
TK	TRANSITE KORDUCT
VCD	VITRIFIED CLAY DUCT
GENERAL	
AB	ABANDONED
AV	AIR VALVE
BO	BLOW OFF
BR	BRICK LINED
BV	BUTTERFLY VALVE
CONN	CONNECT
CV	CHECK VALVE
DISCONN	DISCONNECT
FA	FIRE ALARM
FW	FIRE CISTERN
GV	GATE VALVE
HP	HIGH PRESSURE HYDRANT
HYD	HYDRANT
SC	STOP COCK
SERV	SERVICE
TGV	TAPPING GATE VALVE
TS	TRAFFIC SIGNAL
UK	UNKNOWN
STRUCTURE	
♀	HYDRANT
○	MANHOLE
□	PULL BOX, JUNCTION BOX OR SPLICE BOX OR CABLE BOX
□	VAULT
—	S-18"VCP (SEWER - 18" VITRIFIED CLAY PIPE)
—	T-4D-3"FC (TELEPHONE - FOUR DUCTS - 3" FIBER CONDUIT)
---	EXISTING ABANDONED UTILITY
---	MAIN TO BE ABANDONED IN THIS CONTRACT

LIST OF DRAWINGS

DRAWING NO.	TITLE
WD-1	LEGEND, ABBREVIATIONS AND GENERAL NOTES
WD-2	8" D.I. WATER MAIN INSTALLATION

GENERAL NOTES

FOR 3" AND LARGER PIPES, HEAVY LINES AND SYMBOLS INDICATE WORK TO BE DONE BY THE CONTRACTOR. LIGHT LINES AND SYMBOLS INDICATE EXISTING MAINS.

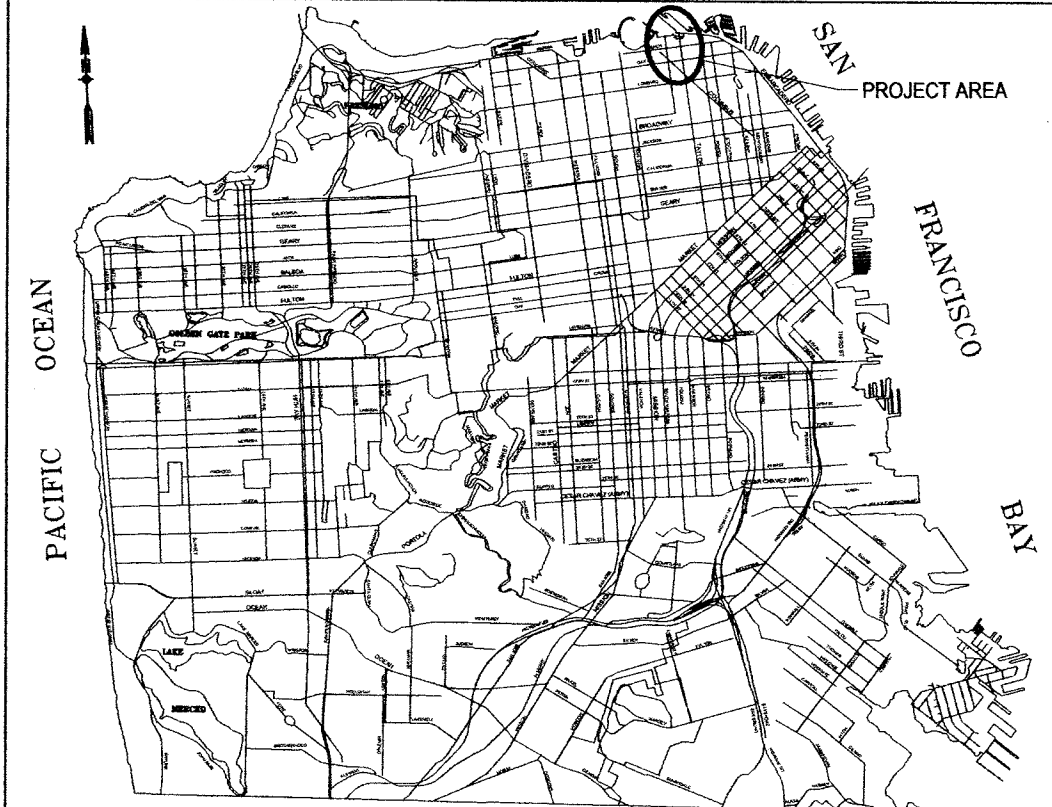
PIPES LESS THAN 3" IN DIAMETER (SERVICE PIPES) ARE SHOWN IN LIGHT LINES, SIZES SHOWN ARE FOR NEW TAP SIZES. FOR ADDITIONAL INFORMATION, REFER TO THE SERVICE LIST IN THE TECHNICAL SPECIFICATIONS.

THE LOCATION AND GENERAL ARRANGEMENT OF UNDERGROUND UTILITIES, UNDERGROUND STRUCTURES, PIPE LINES WITH FITTINGS, VALVES AND APPURTENANCES, WHERE SHOWN, ARE DIAGRAMMATIC.

INFORMATION AS TO UNDERGROUND AND/OR OTHER CONDITIONS AS INDICATED BY ADJUSTMENTS IN PIPE ALIGNMENT, OR OBSTRUCTION SHOWN ON THE PLANS AND/OR SPECIFICATIONS HAS BEEN OBTAINED WITH REASONABLE CARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORDS OF THE OWNERS OF THE UTILITIES AND HAS BEEN RECORDED IN GOOD FAITH.

THERE IS NO EXPRESSED OR IMPLIED AGREEMENT THAT THE WATER DEPARTMENT AND THE OWNERS OF UTILITIES MAKE ANY REPRESENTATION AS TO THE COMPLETENESS OR ACCURACY OF SAID INFORMATION OF UTILITY FACILITIES THAT MAY HAVE BEEN PLACED OR INDICATED HERE ON.

THE PROPOSED LOCATION WITHIN THE STREET OR SIDEWALK AREA FOR FACILITIES TO BE CONSTRUCTED UNDER THIS CONTRACT, AS SHOWN ON THE PLANS, IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DIG TEST HOLES TO DETERMINED THE EXACT LOCATION OF THE WORK WITHIN THE STREET OR SIDEWALK AREA. CHANGES IN THE ALIGNMENT OF ANY PORTION OF THIS WORK WHICH MAY RESULT IN DIFFERENT CONSTRUCTION METHODS OR DIFFERENT CONDITIONS, SUCH AS REQUIRING HAND DIGGING FOR PORTIONS OF THE WORK, WILL NOT BE SUBJECT TO CLAIM FOR ANY EXTRA PAYMENT.

TAYLOR STREET IMPROVEMENTS		SPECIFICATION NO. 1488J											
		DRAWING NO.											
		FILE NO. 89650											
		REVISION NO. 0											
													
LOCATION PLAN													
<table><tr><td>NO.</td><td>DATE</td><td>DESCRIPTION</td><td>BY</td><td>APPROVED</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>				NO.	DATE	DESCRIPTION	BY	APPROVED					
NO.	DATE	DESCRIPTION	BY	APPROVED									
CAUTION: CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION													
 CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION SAN FRANCISCO WATER DEPARTMENT													
LEGEND, ABBREVIATIONS AND GENERAL NOTES													
REFERENCES GATE BOOK PAGES, PLANS, SURVEY NOTES, ETC. USED Gate Book Pages: 2		SECTION ENGINEER [Signature] APPROVED [Signature] MANAGER, MTY DISTRIBUTION DIVISION PROJECT ENGINEER M. GARDINER DATE A. CHAN 06/09 SCALE T. NGUYEN AS SHOWN DRAWING NO. WD - 1 REVISION NO. 0											
SHEET 15 OF 39		0											



AS BUILT

Signed: *[Signature]*

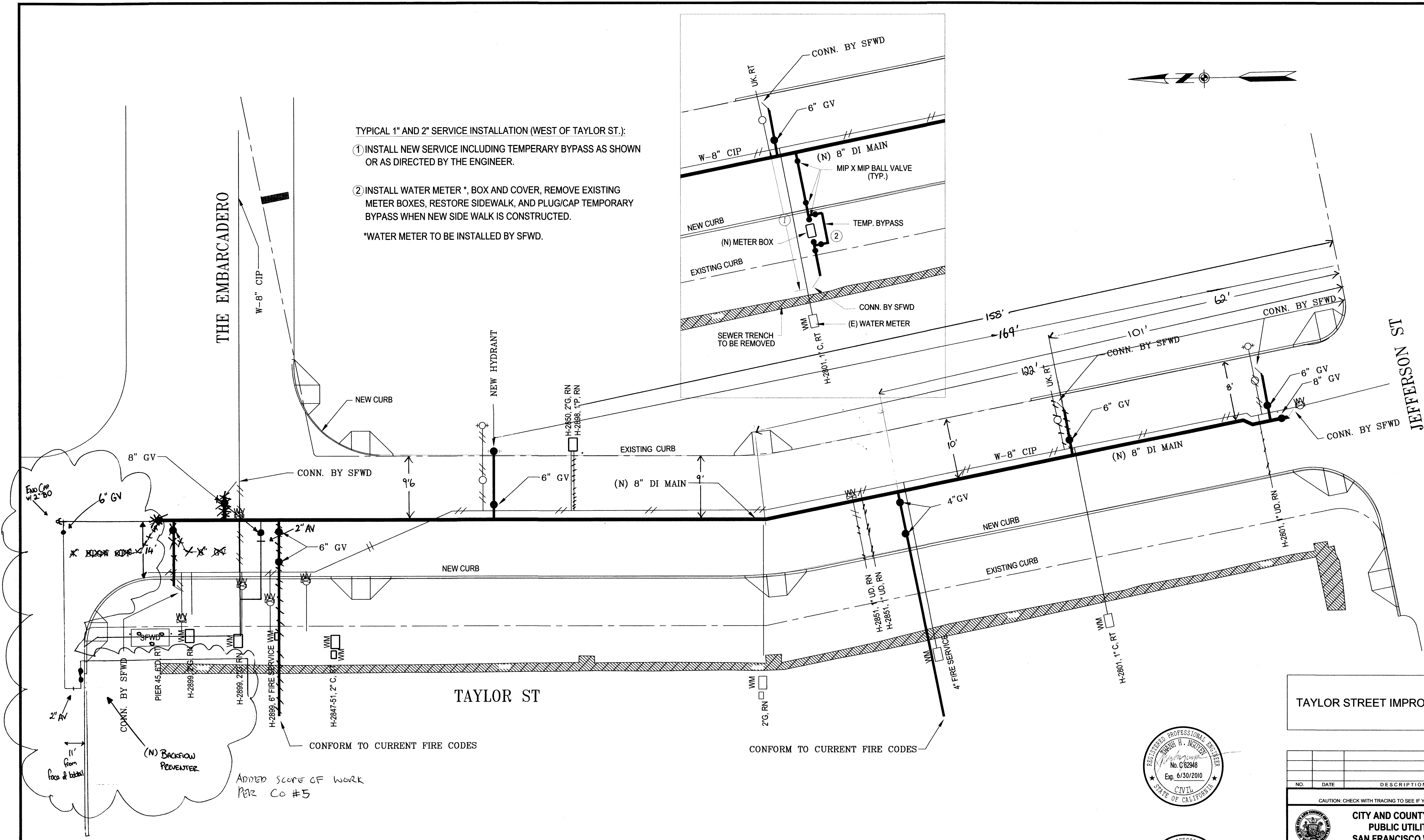
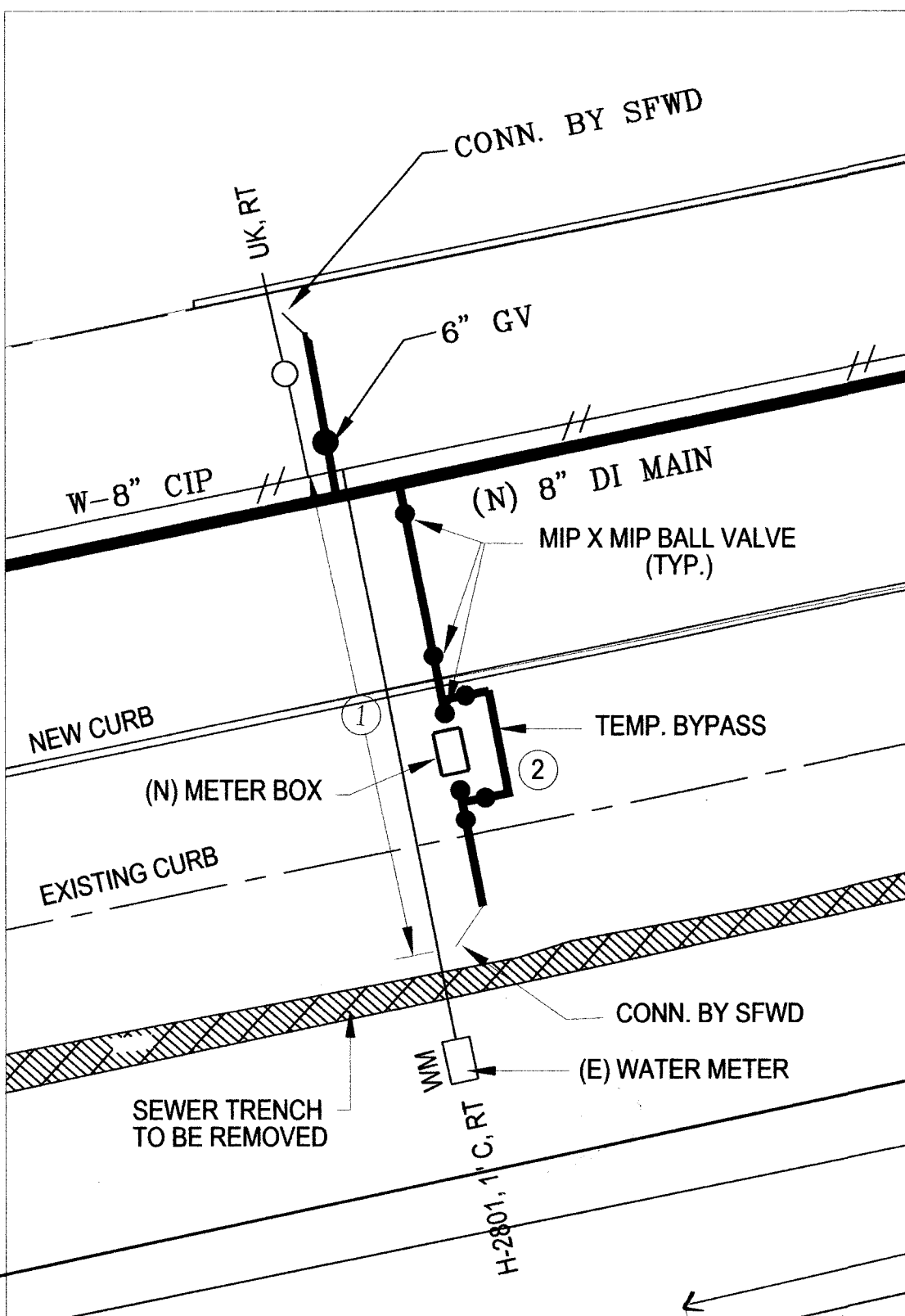
PLANS ARE TO BE RETURNED WITH
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TO IN REVISIONS AND DATED BY THE
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COMPLETION OF THE WORK BEFORE
FINAL PAYMENT CAN BE MADE
[Signature]
SIGNED-INSPECTOR

TYPICAL 1" AND 2" SERVICE INSTALLATION (WEST OF TAYLOR ST.):

① INSTALL NEW SERVICE INCLUDING TEMPORARY BYPASS AS SHOWN
OR AS DIRECTED BY THE ENGINEER.

② INSTALL WATER METER *, BOX AND COVER, REMOVE EXISTING
METER BOXES, RESTORE SIDEWALK, AND PLUG/CAP TEMPORARY
BYPASS WHEN NEW SIDE WALK IS CONSTRUCTED.

*WATER METER TO BE INSTALLED BY SFWD.



NOTE: SCHEMATIC ONLY. ACTUAL LOCATION OF
NEW WATER MAIN TO BE DETERMINED
IN FIELD BY ENGINEER.

TAYLOR STREET IMPROVEMENTS

SPECIFICATION NO.	14582
DRAWING NO.	
FILE NO.	89951
REVISION NO.	

NO.	DATE	DESCRIPTION	BY	APPROVED

CAUTION: CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

**CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
SAN FRANCISCO WATER DEPARTMENT**

8" D.I. WATER MAIN INSTALLATION

SECTION ENGINEER <i>[Signature]</i>	PROJECT ENGINEER M. GARDINER	DR. A. CHAN	DATE 06/09
APPROVED <i>[Signature]</i>	MANAGER, CITY DISTRIBUTION DIVISION	SCALE 1" = 10'	REVISION NO.
SHEET 16 OF 39		WD - 2	0

17765-4006-AB