

# WASHINGTON STREET AND RECHE CANYON ROAD INTERSECTION IMPROVEMENT PROJECT

**FUNDING SOURCE:** CONGESTION MITIGATION AND AIR QUALITY (CMAQ)

**PROJECT LOCATION:** WASHINGTON STREET AND RECHE CANYON ROAD

**ESTIMATED START/COMPLETION DATE:** FEBRUARY 2015 – JUNE 2015

**PROJECT DESCRIPTION:** THE PROJECT WILL PROVIDE TWO DEDICATED LEFT TURN AND TWO DEDICATED RIGHT TURN POCKET ALONG RECHE CANYON ROAD AT THE INTERSECTION OF WASHINGTON STREET. THE SCOPE OF THE PROJECT INCLUDES WIDENING AT RECHE CANYON ROAD WITHIN CITY RIGHT OF WAY, STORM DRAIN PIPE EXTENSION AND CATCH BASIN RELOCATION, CURB AND GUTTER CONSTRUCTION, STRIPING, AND TRAFFIC SIGNAL MODIFICATION. SINCE THIS IS A CMAQ (CONGESTION MITIGATION AND AIR QUALITY) FUNDED, THIS IS A NON-CAPACITY INCREASING PROJECT BUT WILL PROVIDE A BETTER LEVEL OF SERVICE (LOS) FOR THE INTERSECTION.

**PLAN:** NEXT PAGE

**GENERAL NOTES**

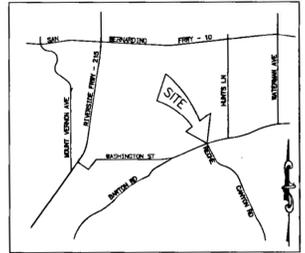
1. ALL WORK SHALL CONFIRM TO THE "STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," LATEST EDITION, INCLUDING SUPPLEMENTS, AND THE CITY OF COLTON PUBLIC WORKS/ENGINEERING DEPARTMENT "STANDARD PLANS AND SPECIFICATIONS".
2. APPLICATION FOR INSPECTION TO THE CITY OF COLTON PUBLIC WORKS/ENGINEERING DEPARTMENT SHALL BE MADE BY THE CONTRACTOR BEFORE THE SERVICES THEREOF WILL BE REQUIRED. PHONE REQUESTS FOR INSPECTION SHALL BE MADE 48 HOURS IN ADVANCED OF REQUIRED INSPECTION. CITY OF COLTON IS CLOSED ON FRIDAY. INSPECTIONS ON FRIDAYS ARE ARRANGED AT AN OVERTIME RATE TO BE PAID BY THE CONTRACTOR.
3. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE COMPLETED WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER TO INSTALL STREET CENTERLINE MONUMENTS AS REQUIRED BY CITY ORDINANCE FOR NEW DEVELOPMENTS AND REPLACEMENT OF DISTURBED OR COVERED EXISTING MONUMENTS.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY TO THE CITY ENGINEER'S OFFICE, PERMIT SECTION, PRIOR TO CONSTRUCTION FOR AN ENROACHMENT PERMIT FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
8. NO TRENCHES MAY BE LEFT OPEN OVERNIGHT UNLESS APPROVED BY THE CITY ENGINEER.
9. IF ANY UTILITIES OR FACILITIES CONFLICT WITH PROPOSED IMPROVEMENTS, ALL WORK SHALL STOP, AND THE CITY ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
10. ALL TRAFFIC CONTROL DEVICES, SIGNS, MARKINGS OR STRIPING SHALL BE IN PLACE PRIOR TO PAVING. STREET STRIPING SHALL BE COMPLETED PRIOR TO STREET OPENING.
11. TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE APPROVED BY THE CITY ENGINEER.
12. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) AS REQUIRED PRIOR TO THE START OF WORK, UPON EXPOSING ANY UTILITY'S UNDERGROUND FACILITY THE CONTRACTOR SHALL NOTIFY THAT UTILITY IMMEDIATELY.
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES WITHIN THE ALIGNMENT OF THE PROPOSED IMPROVEMENTS, AND IN THE EVENT OF SUBSTRUCTURE DAMAGE, THE CONTRACTOR SHALL BEAR THE TOTAL COST OF REPAIR OR REPLACEMENT.
14. THE CONTRACTOR SHALL NOT CONDUCT ANY OPERATIONS OR PERFORM ANY WORK PERTAINING TO THE PROJECT BETWEEN 5:00 P.M. AND 7:00 A.M. ON ANY DAY NOR ON SATURDAY, SUNDAY, HOLIDAY AT ANY TIME EXCEPT AS APPROVED BY THE ENGINEER.
15. TREES, FOLIAGE, SIGNS, AND OTHER IMPROVEMENTS SHALL BE PROTECTED IN PLACE AND ANY DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED IN KIND.
16. THE CONTRACTOR IS ADVISED THAT ALL EXCAVATED MATERIALS SHALL BECOME HIS PROPERTY AND SHALL BE REMOVED FROM THE JOB-SITE UNLESS INSTRUCTED BY THE CITY ENGINEER TO DO OTHERWISE.
17. THE CONTRACTOR SHALL BE RESPONSIBLE DURING ALL PHASES OF THE WORK TO PROVIDE FOR PUBLIC SAFETY AND CONVENIENCE. THE CONTRACTOR SHALL ESTABLISH ADEQUATE ACCESS TO DRIVEWAYS AT THE END OF EACH WORKING DAY TO THE SATISFACTION OF THE CITY ENGINEER.
18. THE CONTRACTOR SHALL ADJUST ALL MANHOLE AND VALVE COVERS TO FINISHED GRADE AS NOTED ON PLANS.
19. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR THE COMPLETION OF THE PROPOSED IMPROVEMENTS PER THE "WORK AREA TRAFFIC CONTROL HANDBOOK" (W.A.T.C.H.) TO THE SATISFACTION OF THE CITY ENGINEER.
20. THE CONTRACTOR SHALL PROVIDE A 72-HOUR NOTIFICATION TO THE AFFECTED PROPERTIES, POLICE DEPARTMENT, AND FIRE DEPARTMENT IN THE EVENT OF A CHANGE IN STREET CLOSURE TO TRAFFIC AND/OR PUBLIC SAFETY VEHICLES, PARKING RESTRICTIONS, AND ON EACH MONDAY MORNING DURING THE CONSTRUCTION PERIOD. NOTE: STREET CLOSURE MUST BE APPROVED BY THE CITY COUNCIL.
21. AS REQUIRED BY THE CITY ENGINEER, THE CONTRACTOR SHALL FURNISH AND OPERATE A SELF-LOADING MOTOR SWEEPER WITH SPRAY NOZZLES AT LEAST TWICE EACH WORKING DAY TO KEEP PAVED AREAS ACCEPTABLY CLEAN WHEREVER CONSTRUCTION, INCLUDING RESTORATION, IS INCOMPLETE.
22. ALL PORTLAND CEMENT CONCRETE (P.C.C.) AND ASPHALTIC CONCRETE (A.C.) SHALL BE REMOVED TO A SAWCUT.
23. ANY DISCREPANCIES OR ERRORS FOUND ON THESE PLANS BY THE CONTRACTOR SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER AND THE CITY ENGINEERING DEPARTMENT. NO WORK SHALL CONTINUE ON THAT PART OF CONSTRUCTION AFFECTED BY SUCH DISCREPANCY OR ERROR UNTIL IT HAS BEEN RESOLVED TO THE SATISFACTION OF THE PROJECT ENGINEER AND THE CITY OF COLTON ENGINEERING DEPARTMENT. IF CONTRACTOR DOES PROCEED ON SAID WORK PRIOR TO OBTAINING APPROVAL FROM THE PROJECT ENGINEER AND THE CITY ENGINEERING DEPARTMENT, HE/SHE SHALL BE LIABLE FOR ALL DAMAGES RESULTING THEREFROM.

# CITY OF COLTON

## COUNTY OF SAN BERNARDINO, CALIFORNIA

### WASHINGTON ST/RECHE CANYON RD/HUNTS LN INTERSECTION STREET IMPROVEMENT PLANS

#### CML-5065 (009)



VICINITY MAP  
NTS

**LEGAL DESCRIPTION & BASIS OF BEARING**  
THE CENTERLINE OF HUNTS LANE BEING N00°40'16"W AS PER PARCEL MAP NO. 12446 RECORDED IN BOOK 141, PAGES 72-73 OF PARCEL MAPS AS FILED WITH THE SAN BERNARDINO COUNTY RECORDER.

**THOMAS BROS. COORDINATES**  
PAGE 646 H-1,2 (2005)

**TOPOGRAPHY SOURCE**  
FIELD SURVEY: AUGUST 2005  
BY: AERO TECH SURVEYS  
6810 AIRPORT DRIVE  
RIVERSIDE, CA 92508  
(951) 785-0160  
(951) 785-0554 FAX

**N.P.D.E.S. REQUIREMENTS**

ALL CONSTRUCTION ON OFF-SITE OR ON-SITE IMPROVEMENTS SHALL ADHERE TO N.P.D.E.S. (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE CITY OR COUNTY STORM DRAIN SYSTEMS.

THE FOLLOWING SHOULD BE ADHERED TO:

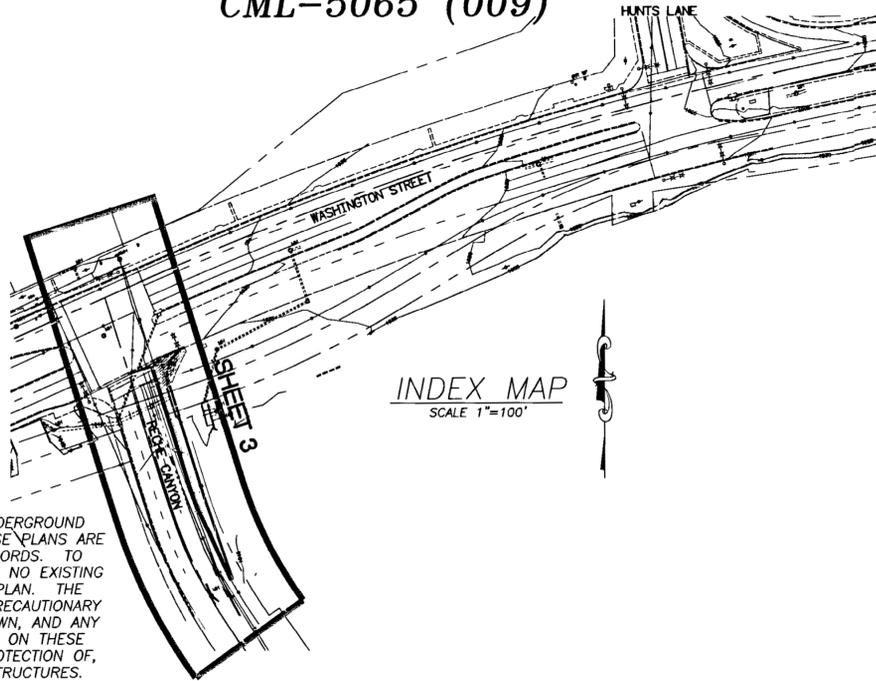
1. HANDLE, STORE, AND DISPOSE OF MATERIALS PROPERLY.
2. AVOID EXCAVATION AND GRADING ACTIVITIES DURING WET WEATHER.
3. CONSTRUCT DIVERSION DIKES AND DRAINAGE SWALES AROUND WORKING SITES.
4. COVER STOCKPILES AND EXCAVATED SOIL WITH SECURED TARPS OR PLASTIC SHEETING.
5. DEVELOP AND IMPLEMENT EROSION CONTROL PLANS AND PROVIDE A COPY TO THE ENGINEERING DIVISION, PUBLIC WORKS DEPARTMENT FOR APPROVAL BY THE CITY ENGINEER.
6. CHECK AND REPAIR LEAKING EQUIPMENT AWAY FROM CONSTRUCTION SITE.
7. DESIGNATE A LOCATION AWAY FROM STORM DRAINS FOR REFUELING.
8. WHEN WORKING NEAR CATCH BASINS, COVER AND SEAL EACH BASIN PRIOR TO THE START OF CONSTRUCTION.
9. USE VACUUM WITH ALL CONCRETE SAWING OPERATIONS.
10. NEVER WASH EXCESS MATERIAL FROM AGGREGATE, CONCRETE OR EQUIPMENT ONTO A STREET.
11. CATCH DRIPS FROM PAVER WITH DRIP PANS OR ABSORBENT MATERIAL.
12. CLEAN UP ALL SPILLS USING DRY METHODS.
13. GUTTERS SHALL BE KEPT CLEAN AFTER LEAVING CONSTRUCTION SITE. SWEEP ALL GUTTERS AT THE END OF EACH WORKING DAY.
14. DURING CONSTRUCTION, DUMPSTER(S) SHALL BE ON SITE AT ALL TIMES.
15. CALL 911 IN CASE OF A HAZARDOUS SPILL.
16. KEEP A RUNNING LOG OF ALL ACTIVITIES IN CONNECTION WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
17. NAME A PERSON, ON-SITE TO BE RESPONSIBLE FOR COMPLYING WITH SWPPP.
18. THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE BEST MANAGEMENT PRACTICE HANDBOOK, CALIFORNIA STORMWATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA, 1993, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THE PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY COUNTY INSPECTORS).

**N.P.D.E.S. REQUIREMENTS CONT.**

- CA001 DEWATERING OPERATIONS
- CA002 PAVING OPERATIONS
- CA003 STRUCTURE CONSTRUCTION AND PAINTING
- CA010 MATERIAL DELIVERY AND STORAGE
- CA011 MATERIAL USE
- CA012 SPILL PREVENTION AND CONTROL
- CA020 SOLID WASTE MANAGEMENT
- CA021 HAZARDOUS WASTE MANAGEMENT
- CA022 CONTAMINATED SOIL MANAGEMENT
- CA023 CONCRETE WASTE MANAGEMENT
- CA030 VEHICLE AND EQUIPMENT CLEANING
- CA031 VEHICLE AND EQUIPMENT FUELING
- CA032 VEHICLE AND EQUIPMENT MAINTENANCE
- CA040 EMPLOYEE/SUBCONTRACTOR TRAINING
- ESC01 SCHEDULING
- ESC02 PRESERVATION OF EXISTING VEGETATION
- ESC10 SEEDING AND PLANTING
- ESC11 MULCHING
- ESC20 GEOTEXTILES AND MATS
- ESC21 DUST CONTROLS
- ESC23 CONSTRUCTION ROAD STABILIZATION
- ESC24 STABILIZED CONSTRUCTION ENTRANCES
- ESC30 EARTH DIKE
- ESC31 TEMPORARY DRAINS AND SWALES
- ESC32 SLOPE DRAIN
- ESC40 OUTLET PROTECTION
- ESC41 CHECK DAMS
- ESC42 SLOPE ROUGHENING/TERRACING
- ESC50 SILT FENCE
- ESC51 STRAW BALE BARRIERS
- ESC52 SAND BAG BARRIERS
- ESC53 BRUSH OR ROCK FILTER
- ESC54 STORM DRAIN INLET PROTECTION
- ESC55 SEDIMENT TRAP
- ESC56 SEDIMENT BASIN

**INDEX**

SHEET #	INDEX
1	TITLE SHEET
2	HORIZONTAL CONTROL MAP
3	RECHE CANYON WIDENING SECTIONS AND DETAILS
4	TRAFFIC SIGNAL PLAN
5	TRAFFIC SIGNAL PLAN - N.J.C.
6	SIGNING AND STRIPING PLAN



INDEX MAP  
SCALE 1"=100'

**NOTICE TO CONTRACTOR**

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE REST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGES TO THESE LINES OR STRUCTURES.

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT HERETO, AGREES TO ASSUME LIABILITY AND TO HOLD UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED; LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

**"DECLARATION OF RESPONSIBLE CHARGE"**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE. AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATION BY THE CITY OF COLTON IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

FRACO ENTERPRISES INC.  
12139 MOUNT VERNON AVE., SUITE 210  
GRAND TERRACE, CA 92313  
(909) 824-7230  
(909) 824-7385 FAX

*Maria I. Fraser* DATE: 05-06-10  
MARIA I. FRASER  
R.C.E. 56005 EXP. DATE 12/31/10

**CONSTRUCTION NOTES**

1	INSTALL 0.33' AC OVER 0.50" CLASS II AGGREGATE BASE	2,219 SF
2	CONSTRUCT 8" CURB AND GUTTER PER CITY OF COLTON STANDARD 106	299 LF
3	CONSTRUCT CROSS GUTTER PER CITY OF COLTON STANDARD 112	341 SF
4	GRIND AC EDGE WITH 0.10' MIN. DEPTH OVERLAY DETAIL 1 ON SHEET 2	821 SF 6 TON
5	CONSTRUCT CURB RETURN WHEELCHAIR RAMP PER APWA STD. 111-3	1 EA
6	INSTALL 42" RCP SEE LATERAL "A" PROFILE	24 LF
7	INSTALL CONCRETE COLLAR PER APWA STANDARD 380-2	1 EA
8	CONSTRUCT CATCH BASIN W=37.5' V=4.5' PER DETAIL ON SHEET 4	1 EA
9	ADJUST TO GRADE	1 EA
10	CONSTRUCT 4" THICK P.C.C.	449 SF
11	REMOVE TRAFFIC SIGNAL PER TRAFFIC SIGNAL PLAN (SEE SHEET 5)	1 EA
12	PROTECT IN PLACE	5 EA
13	SAWCUT AND SMOOTH JOIN TO EXISTING AC	277 LF

**REMOVAL NOTES**

A	REMOVE EXISTING CURB AND GUTTER	299 LF
B	REMOVE EXISTING AC BERM	7 LF
C	REMOVE EXISTING CATCH BASIN	1 EA
D	REMOVE EXISTING CONCRETE	504 SF
E	REMOVE EXISTING CROSS-GUTTER	297 SF
F	REMOVE PULL BOX PER TRAFFIC SIGNAL PLAN SEE SHEET 5	1 EA
G	REMOVE 42" RCP SEE LATERAL "A" PROFILE ON SHEET 3	19 LF
H	REMOVE EXISTING AC PAVEMENT	549 SF

**Underground Service Alert**



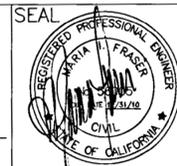
Call: TOLL FREE  
1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG

**"AS-BUILT"**

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE SUBDIVIDER/DEVELOPER OF ANY RESPONSIBILITY OF ENGINEER OF WORK:

DATE: \_\_\_\_\_  
MARIA I. FRASER  
R.C.E. NO. 56005 EXP. 12/31/10



**Fraco Enterprises Inc**  
Engineering and Construction Services  
12139 MOUNT VERNON AVE.  
GRAND TERRACE, CA 92313  
PHONE: (909)824-7230 FAX: (909)824-7385

**BENCHMARK**

BM #308: CITY OF COLTON 2" BRASS DISK SET IN TOP OF THE HEADWALL OF THE GAGE CANAL ON THE SOUTH SIDE OF WASHINGTON STREET BETWEEN COLLEY DRIVE AND HOWARD DRIVE, 22 FEET EAST OF P.P. 827745E ELEVATION = 1039.167

**CITY OF COLTON  
PUBLIC WORKS DEPARTMENT**

CITY ENGINEER  
NAME: THOMAS L. WILLIAMS  
R.C.E. 17787  
EXPIRES: 06/30/11  
APPROVED: *Thomas Williams* DATE: 5-12-10  
PLAN NO. 1272-1

**RECHE CANYON ROAD  
STREET IMPROVEMENT PLANS**

ADDRESS: \_\_\_\_\_

REVISIONS	DATE	APPR.

SCALE \_\_\_\_\_  
SHEET 1 OF 7



1040LT.

1040CL.

1040

1030

WASHINGTON STREET

RECHE CANYON

LATERAL "A"  
PROFILE

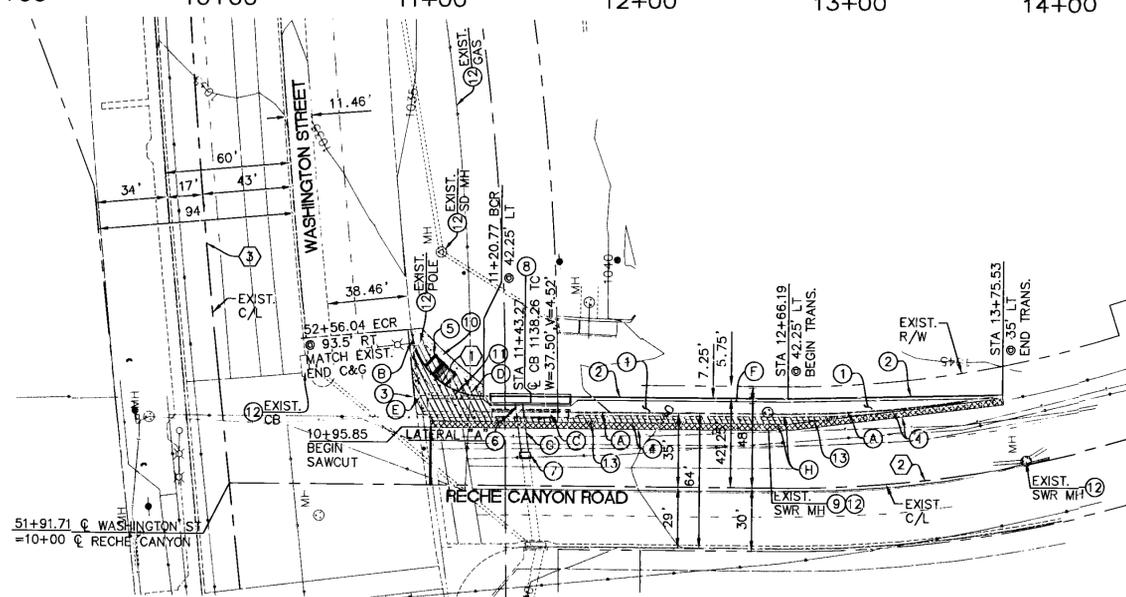
SCALES:  
HORIZ. 1" = 40'  
VERT. 1" = 4'

CONSTRUCTION NOTES

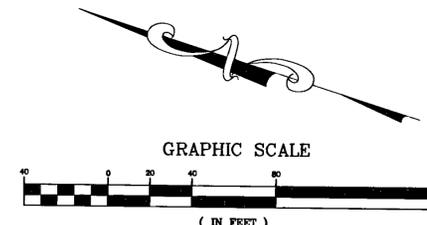
- 1 INSTALL 0.33" AC OVER 0.50" CLASS II AGGREGATE BASE
- 2 CONSTRUCT 8" CURB AND GUTTER PER CITY OF COLTON STANDARD 106
- 3 CONSTRUCT CROSS GUTTER PER CITY OF COLTON STANDARD 112
- 4 GRIND AC EDGE WITH 0.10" MIN. DEPTH OVERLAY DETAIL 1 ON SHEET 2
- 5 CONSTRUCT CURB RETURN WHEELCHAIR RAMP PER APWA STD. 111-3
- 6 INSTALL 42" RCP SEE LATERAL "A" PROFILE
- 7 INSTALL CONCRETE COLLAR PER APWA STANDARD 380-2
- 8 CONSTRUCT CATCH BASIN W=37.5' V=4.5' PER DETAIL ON SHEET 4
- 9 ADJUST TO GRADE
- 10 CONSTRUCT 4" THICK P.C.C.
- 11 REMOVE TRAFFIC SIGNAL PER TRAFFIC SIGNAL PLAN (SEE SHEET 5)
- 12 PROTECT IN PLACE
- 13 SAWCUT AND SMOOTH JOIN TO EXISTING AC

REMOVAL NOTES

- A REMOVE EXISTING CURB AND GUTTER
- B REMOVE EXISTING AC BERM
- C REMOVE EXISTING CATCH BASIN
- D REMOVE EXISTING CONCRETE
- E REMOVE EXISTING CROSS-GUTTER
- F REMOVE PULL BOX PER TRAFFIC SIGNAL PLAN SEE SHEET 5
- G REMOVE 42" RCP SEE LATERAL "A" PROFILE ON SHEET 3
- H REMOVE EXISTING AC PAVEMENT



CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
1	51.21'	35.00'	31.42'	83°50'05"
2	179.12'	573.00'	90.30'	17°54'39"
3	1275.02'	4000.00'	642.96'	18°15'48"



**Underground Service Alert**

Call: TOLL FREE  
1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG

**"AS-BUILT"**

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE SUBDIVIDER/DEVELOPER OF ANY RESPONSIBILITY OF THEIR ACCURACY.

ENGINEER OF WORK: \_\_\_\_\_ DATE: \_\_\_\_\_

MARIA I. FRASER  
RCE NO. 56005 EXP. 12/31/10

SEAL

REGISTERED PROFESSIONAL ENGINEER

MARIA I. FRASER

STATE OF CALIFORNIA

**Raco Enterprises Inc**

Engineering and Construction Services

12139 MOUNT VERNON AVE.  
GRAND TERRACE, CA 92313  
PHONE: (909)824-7230 FAX: (909)824-7385

**BENCHMARK**

BM #308, CITY OF COLTON 2" BRASS DISK SET IN TOP OF THE HEADWALL OF THE GAGE CANAL ON THE SOUTH SIDE OF WASHINGTON STREET BETWEEN COOLEY DRIVE AND MOHAWE DRIVE, 22 FEET EAST OF P.P. 827745E ELEVATION = 1039.167

**CITY OF COLTON**  
PUBLIC WORKS DEPARTMENT

CITY ENGINEER

NAME: THOMAS I. WILLIAMS  
R.C.E. 17787

APPROVED: *Thomas Williams* DATE: 5-12-10

EXPIRES: 06/30/11

PLAN NO. 1272-1

REVISIONS

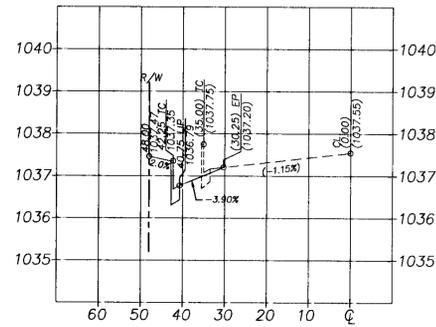
NO.	DATE	SCALE	APPR.

**RECHE CANYON ROAD STREET IMPROVEMENT PLANS**

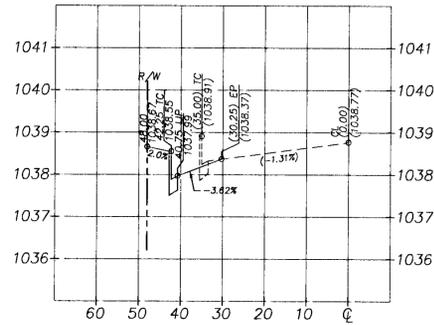
ADDRESS: \_\_\_\_\_

SHEET 3 OF 7

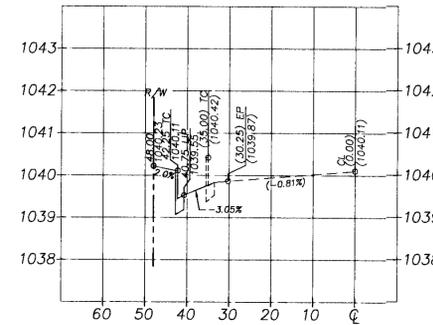
# RECHE CANYON STREET SECTIONS



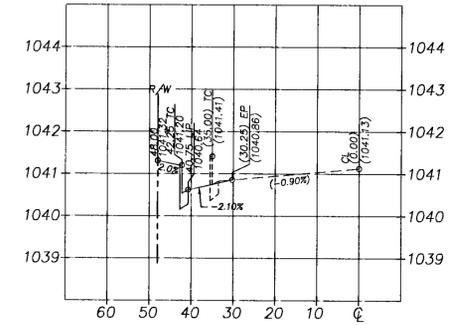
11+20.77 BCR



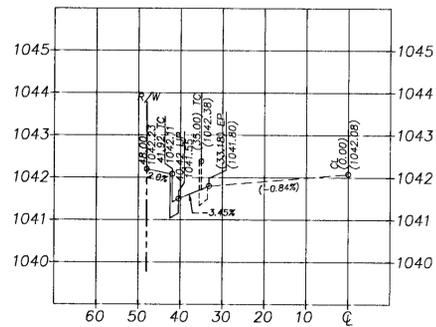
11+50.00



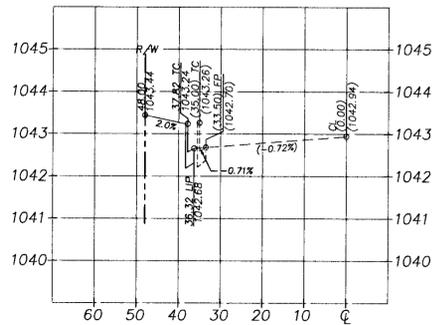
12+00.00



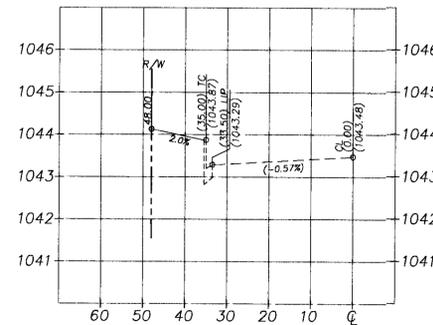
12+50.00



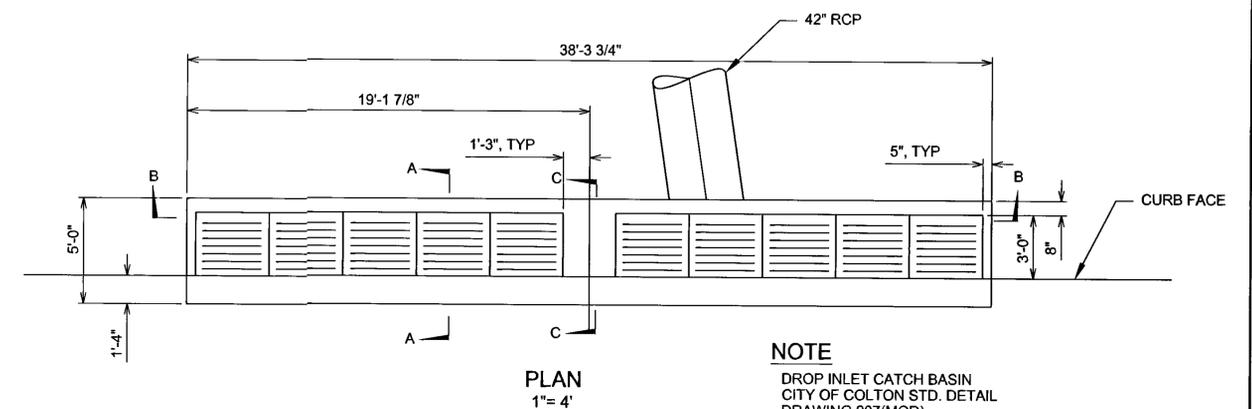
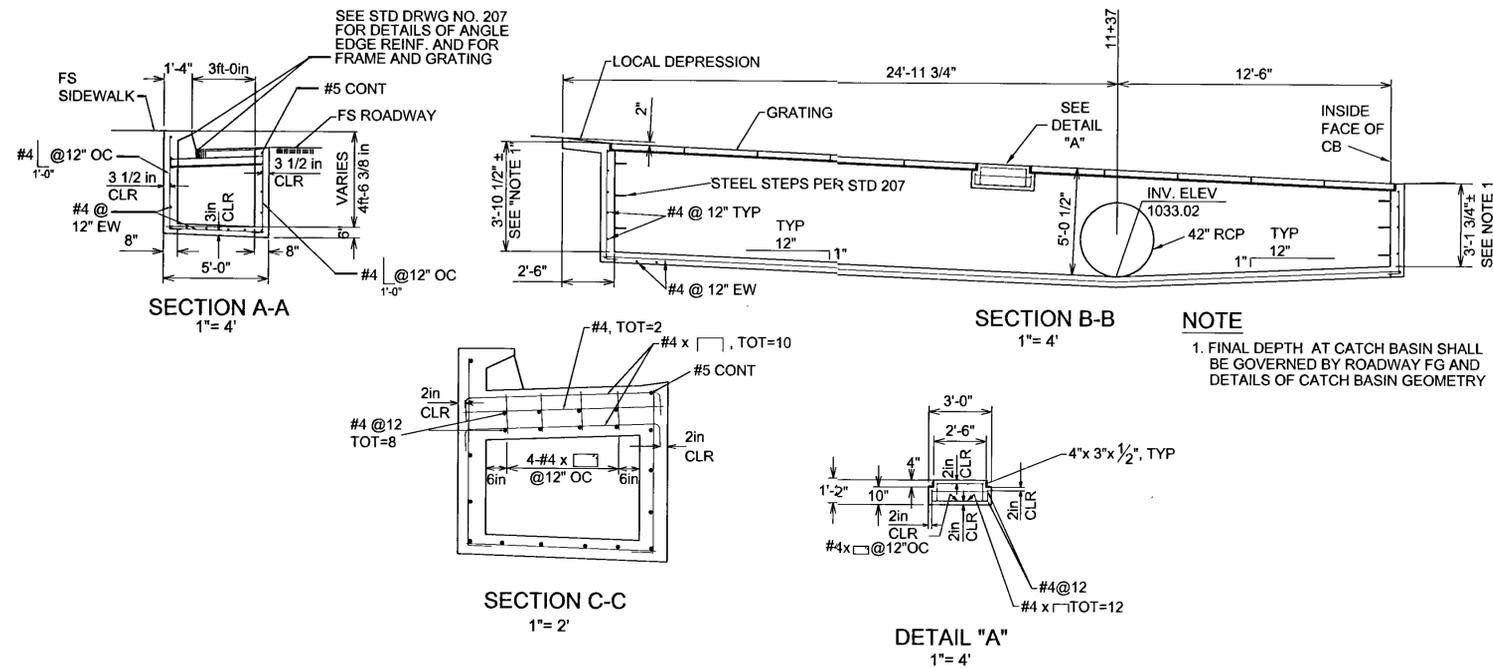
13+00.00



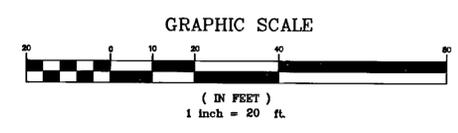
13+50.00



13+75.53



**NOTE**  
DROP INLET CATCH BASIN  
CITY OF COLTON STD. DETAIL  
DRAWING 207(MOD).  
REFER TO STREET DRAWING  
FOR ALL DETAILS NOT SHOWN



**Underground Service Alert**  
Call: TOLL FREE  
1-800-422-4133  
TWO WORKING DAYS BEFORE YOU DIG

**"AS-BUILT"**  
THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE SUBDIVIDER/DEVELOPER OF ANY RESPONSIBILITY OF THEIR ACCURACY.  
ENGINEER OF WORK:  
MARIA I. FRASER  
RCE NO. 56005 EXP. 12/31/10

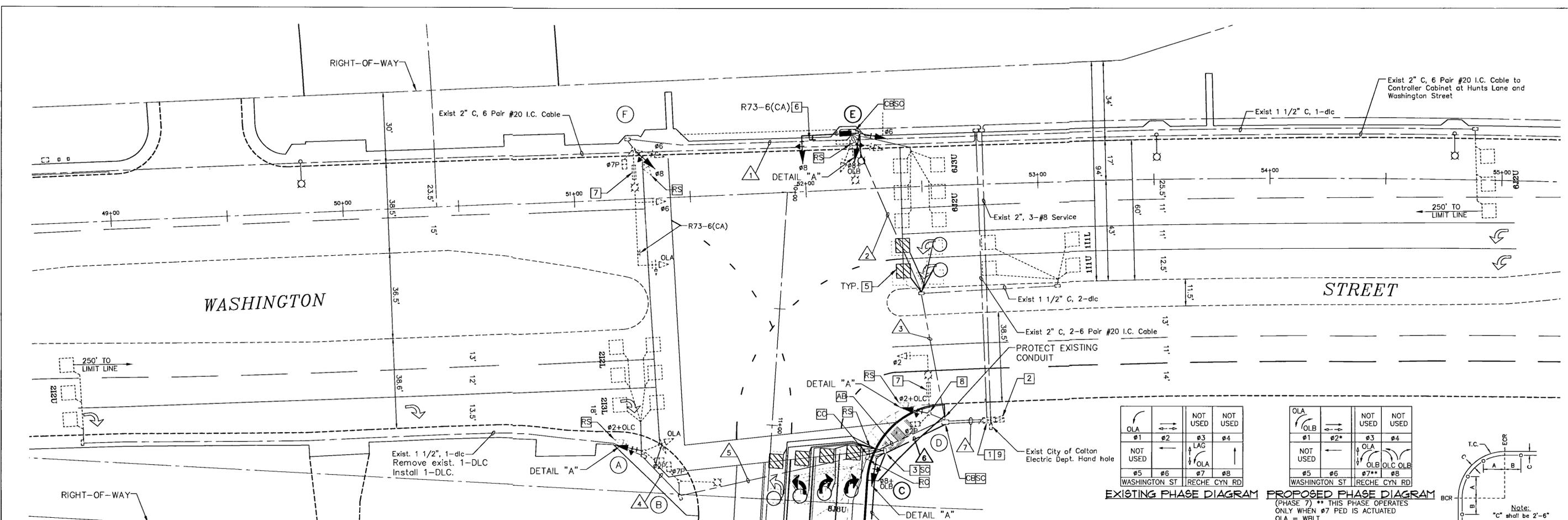
SEAL  
REGISTERED PROFESSIONAL ENGINEER  
MARIA I. FRASER  
CITY OF CALIFORNIA

**Entarpris Inc**  
Engineering and Construction Services  
12139 MOUNT VERNON AVE.  
GRAND TERRACE, CA 92313  
PHONE: (909)824-7230 FAX: (909)824-7385

**BENCHMARK**  
BM #308; CITY OF COLTON 2" BRASS DISK SET IN TOP OF THE HEADWALL OF THE GAGE CANAL ON THE SOUTH SIDE OF WASHINGTON STREET BETWEEN COOLEY DRIVE AND MOHAVE DRIVE, 22 FEET EAST OF PP# B27745E  
ELEVATION = 1039.167

**CITY OF COLTON**  
PUBLIC WORKS DEPARTMENT  
CITY ENGINEER  
NAME: THOMAS I. WILLIAMS  
R.C.E. 17787  
APPROVED: [Signature]  
DATE: 5-12-10  
EXPIRES: 06/30/11  
PLAN NO. 1272-1

REVISIONS	DATE	APPR.
<b>SECTIONS AND DETAILS</b>		
<b>STREET IMPROVEMENT PLANS</b>		
ADDRESS:		
		SHEET 4 OF 7

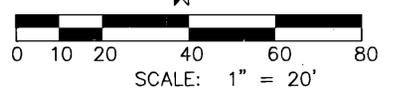
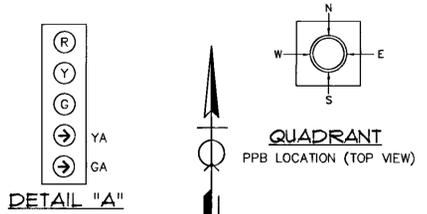
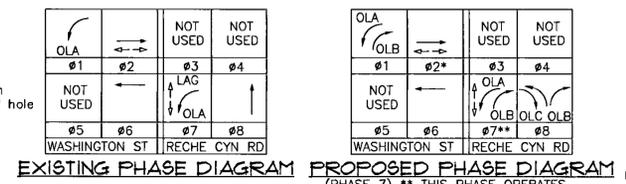


- GENERAL NOTES:**
- ALL TRAFFIC SIGNAL WORK AND MATERIAL SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS (DATED MAY 2006) OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND THE SPECIAL PROVISIONS OF THIS PROJECT.
  - EXACT EQUIPMENT AND DETECTOR LOOP LOCATIONS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE PRIOR TO INSTALLATION BY THE CONTRACTOR.
  - ALL STRIPING, PAVEMENT MARKINGS AND SIGN REQUIREMENTS (REMOVAL OR INSTALLATIONS) SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO THE SCHEDULED TURN ON.
  - ALL PULL BOXES SHALL BE No. 5 TRAFFIC PULL BOX UNLESS NOTED OTHERWISE HEREON.
  - ALL SIGNAL HEADS AND BACKPLATES SHALL BE METAL. ALL LENSES SHALL BE LED, INCLUDING THE PED INDICATIONS. (SEE SPECIAL PROVISION FOR DETAIL). LEFT TURN HEADS SHALL HAVE RED, YELLOW AND GREEN LED ARROWS. ALL VEHICLE INDICATIONS SHALL BE 12". PEDESTRIAN INDICATION SHALL BE INTERNATIONAL SYMBOL TYPE "C". IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES, PUBLIC OR PRIVATE AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED BY HIS OPERATIONS.
  - UNLESS SHOWN OTHERWISE, ALL INDUCTIVE LOOPS SHALL BE 6'-ROUND (4 TURNS OF WIRE, SEALED WITH HOT RUBBER SEALER) WITH 10' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING DETECTOR LOOPS.
  - SEE CALTRANS STANDARD PLANS ES-1A AND ES-1B FOR SYMBOL AND ABBREVIATION LEGEND.
  - PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT AND LOCATED ON THE SIDE OF SIGNAL STANDARD NEAREST TO THE CROSSWALK.
  - ALL CONSTRUCTION FOR ELECTRICAL SERVICE SHALL MEET CITY OF COLTON ELECTRIC UTILITY SPECIFICATIONS AND REQUIREMENTS.
  - PRE-CONSTRUCTION MEETING AND INSPECTION IS REQUIRED WITH A CITY OF COLTON ELECTRIC UTILITY INSPECTOR.
  - A MINIMUM OF 2' OF CLEARANCE SHALL BE MAINTAINED BETWEEN TELEPHONE CONDUIT AND ELECTRICAL CONDUITS.
  - ANY UNUSED TENONS SHALL BE CAPPED IN A WATER PROOF METHOD AS DIRECTED BY THE ENGINEER.
  - PUBLIC RIGHT OF WAY SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEANUP ON PUBLIC RIGHT-OF-WAY AFFECTED BY THIS CONSTRUCTION. METHOD OF STREET CLEANING SHALL BE DRY SWEEPING OF ALL PAVED AREAS. THERE SHALL BE NO STOCKPILING OF CONSTRUCTION MATERIALS WITHIN THE CITY RIGHT-OF-WAY WITHOUT THE PERMISSION.

CONDUCTOR SCHEDULE		A				B				C				D			
A.W.G.	CIRCUIT	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
No. 14	Ø2	-	-	3	3(N)	3	-	-	-	-	-	-	-	-	-	-	-
	Ø6	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ø8	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
	OLA	3	3	3	3	3(N)	6	-	-	-	-	-	-	-	-	-	-
	OLB	-	2(S)	2(S)	-	-	2(S)	2(S)	-	-	-	-	-	-	-	-	-
	OLC	-	-	2(S)	2(S)	2(S)	2(S)	-	-	-	-	-	-	-	-	-	-
	Ø2 PED	-	-	2	2	2(N)	2	-	-	-	-	-	-	-	-	-	-
	Ø7 PED	2	2	2	-	-	2(N)	2	-	-	-	-	-	-	-	-	-
	Ø2 PPB	-	-	-	-	1	2(N)	2	-	-	-	-	-	-	-	-	-
	Ø7 PPB	1	1	1	1	1(N)	2	-	-	-	-	-	-	-	-	-	-
	PPB COMMON	1	1	1	1	1(N)	2	-	-	-	-	-	-	-	-	-	-
	SPARES	3	1	1	1	1(N)	2	-	-	-	-	-	-	-	-	-	-
	TOTAL #14	16	18	18	15	18	24	35	-	-	-	-	-	-	-	-	-
No. 10	I.I.S.N.S.	2	2	2	-	-	2	-	-	-	-	-	-	-	-	-	-
	SIGNAL COMMON	1	1	1(N)	1(N)	1(N)	1(N)	-	-	-	-	-	-	-	-	-	-
	TOTAL #10	3	3	3	1	1	4	-	-	-	-	-	-	-	-	-	-
No. 8	LUMINAIRES	2	2	2	-	-	2(N)	2(N)	-	-	-	-	-	-	-	-	-
	G.F.C.I. GROUND SERVICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL #8	2	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-
TYPE "C" DLC	Ø1(OLA) DETECTOR	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-
	Ø2 DETECTOR	-	-	3(N)	3(N)	3(N)	3(N)	-	-	-	-	-	-	-	-	-	-
	Ø6 DETECTOR	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-
	Ø8 DETECTOR	-	-	-	-	-	4(N)	4(N)	-	-	-	-	-	-	-	-	-
	TOTAL DLC	-	3	5	3	3	7	12	-	-	-	-	-	-	-	-	-
	CONDUIT SIZE	2"	2"	3"	2"	2"	3"	2-3"	-	-	-	-	-	-	-	-	-
	CONDUIT STATUS	E	E	E	E	E	N	E	-	-	-	-	-	-	-	-	-

ALL EQUIPMENT ARE EXISTING, UNLESS OTHERWISE NOTED  
 (N) NEW  
 (S) USE SPARES

- CONSTRUCTION NOTES:**
- EXISTING MODEL 170E CONTROLLER IN TYPE 332 CABINET WITH BI-TRAN 200 SOFTWARE. UPGRADE TO LATEST BI-TRAN 233 SOFTWARE. FURNISH AND INSTALL ALL APPURTENANCES NECESSARY TO PROVIDE INTENDED OPERATION.
  - EXISTING TYPE II-B SIGNAL AND LIGHTING SERVICE WITH 50 AMP SIGNAL BREAKER (METERED), 30 AMP LIGHTNING BREAKER (UNMETERED) AND 15 AMP ISNS (METERED).
  - INSTALL PULL BOX AS SHOWN.
  - INSTALL DETECTION LOOPS AS SHOWN.
  - INSTALL TYPE D DETECTION LOOPS PER CALTRANS STD. PLAN ES-5B AS SHOWN.
  - INSTALL SIGN ON MAST ARM AS SHOWN.
  - REPLACE EXISTING ISNS PLATE WITH BLUE COLOR (W/CITY LOGO).
  - ADJUST POLE TO GRADE.
  - CONTRACTOR SHALL NOT CONNECT BJBUS LOOPS TO CONTROLLER.
  - ABANDON, IF APPLIED TO CONDUIT REMOVE CONDUCTORS.
  - INSTALL CONDUIT INTO EXISTING PULL BOX.
  - CONNECT NEW AND EXISTING CONDUIT. REUSE EXISTING CONDUCTORS AS INDICATED.
  - EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
  - REMOVE AND SALVAGE EQUIPMENT.
  - SPLICE NEW TO EXISTING CONDUCTORS.



NO.	TYPE	POLE**	HEIGHT	SMA	LMA	LUMINAIRE H.P.S. WAITS	SIGNAL MOUNTING			PEDESTRIAN	PED PUSH BUTTON (TYPE B)	POLE LOCATION			I.I.S.N.S. (TYPE A, DOUBLE FACE)	COMMENTS
							VEHICLE	MAST ARM	VEHICLE			PHASE	POLE QUAD	A		
(A)	1-A	10'	-	-	-	-	TV-2-T	N	-	SP-1-T	Ø8	E	E	E	-	-
(B)	15	30'	-	15'	250	-	-	-	-	SP-1-T	Ø2	N	E	E	E	-
(C)	1-A	10'	-	-	-	-	TV-1-T	N	-	Ø2	N	E	E	E	3'	-
(D)	19-2-80	30'	25'	15'	250	SV-1-T	MAS	-	MAS	SP-1-T	Ø8	-	E	E	E	Reche Canyon Rd
(E)	19-3-100	30'	25'	15'	250	SV-2-TA	MAS	N	MAS	-	-	-	E	E	E	Washington St Ø1 ISNS-Blue w/CITY LOGO
(F)	29-5-80	30'	50'	15'	250	SV-1-T	MAS/MAS	-	MAS/MAS	SP-1-T	Ø8	E	-	E	E	Reche Canyon Rd

Ø = FURNISH AND INSTALL NEW    Ⓜ = RELOCATED    Ⓧ = EXISTING, TO REMAIN  
 ALL EQUIPMENT IS EXISTING, UNLESS OTHERWISE NOTED

**Underground Service Alert**  
 Call: TOLL FREE 1-800-422-4133  
 TWO WORKING DAYS BEFORE YOU DIG

**"AS-BUILT"**  
 THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE SUBDIVIDER/DEVELOPER OF ANY RESPONSIBILITY OF THEIR ACCURACY.  
 ENGINEER OF WORK:  
 WILLIAM C. SUN  
 R.C.E. C057664 EXPIRES 12-31-11

**SEAL**  
 WILLIAM C. SUN  
 No. C057664  
 Exp. 12/31/11  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA

**LIN Consulting, Inc.**  
 Traffic, Civil, and Electrical Consulting Engineers  
 21660 E. Copley Drive, Suite 270  
 Diamond Bar, CA 91765  
 (909) 396-6850 (909) 396-8150 (FAX)  
 E-MAIL: INBOX@LINCONSULTING.COM

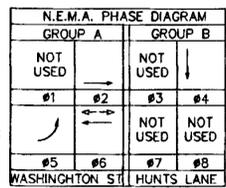
**BENCHMARK**  
 BM #308: CITY OF COLTON 2" BRASS DISK SET IN TOP OF THE HEADWALL OF GAGE CANAL ON THE SOUTH SIDE OF WASHINGTON STREET BETWEEN COOLEY DRIVE AND MOHAVE DRIVE, 22 FEET EAST OF PP# 827745E  
 ELEVATION = 1039.167

**CITY OF COLTON PUBLIC WORKS DEPARTMENT**  
 CITY ENGINEER  
 NAME: THOMAS I. WILLIAMS  
 R.C.E. 17787  
 APPROVED: *Thomas Williams* DATE: 5-12-10  
 PLAN NO. 6128

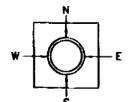
**TRAFFIC SIGNAL PLAN WASHINGTON STREET AT RECHE CANYON ROAD**  
 REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_ APPR.: \_\_\_\_\_  
 SCALE: 1" = 20'  
 DATE: 05-07-2010  
 SHEET 5 OF 7

CONDUCTOR SCHEDULE							
A.W.G.	CIRCUIT	△	△	△	△	△	△
No. 14	#2	3(N)	3	3	-	-	3
	#4	3(N)	3	3	-	-	3
	#5	3(N)	3	3	3	3	6
	#6	-	-	-	3	3	3
	#6 PED	-	-	-	2	2	2
	#6 PPB	-	-	-	1	2	2
	PPB COMMON	-	-	-	1	1	1
	SPARES	3(N)	3	3	3	3	6
	TOTAL #14	12	12	12	11	13	29
No. 10	I.I.S.N.S.	2(N)	2	2	-	-	2
	SIGNAL COMMON	1(N)	1	1	1	1	2
	TOTAL #10	3	3	3	1	1	4
No. 8	LUMINAIRES	2(N)	2	2	-	-	2
	G.F.C.I. GROUND	-	-	-	-	-	-
	SERVICE	-	-	-	-	-	-
	TOTAL #8	2	2	2	-	-	2
	#2 DETECTOR	-	3(N)	3(N)	-	-	3(N)
	#4 DETECTOR	-	-	-	-	-	2
	#5 DETECTOR	-	-	2	-	-	2
	#6 DETECTOR	-	-	-	3	3	3
	TOTAL DLC	-	3	5	3	3	5
	TOTAL DLC	-	3	5	3	3	5
	CONDUIT SIZE	2"	2"	2"	2"	2"	2-3"
	CONDUIT STATUS	N	E	E	E	E	E

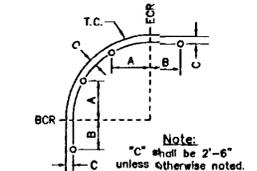
ALL EQUIPMENT IS EXISTING, UNLESS OTHERWISE NOTED  
 # = NEW



PHASE DIAGRAM



QUADRANT  
PPB LOCATION (TOP VIEW)



POLE LOCATION DETAIL  
(No Scale)

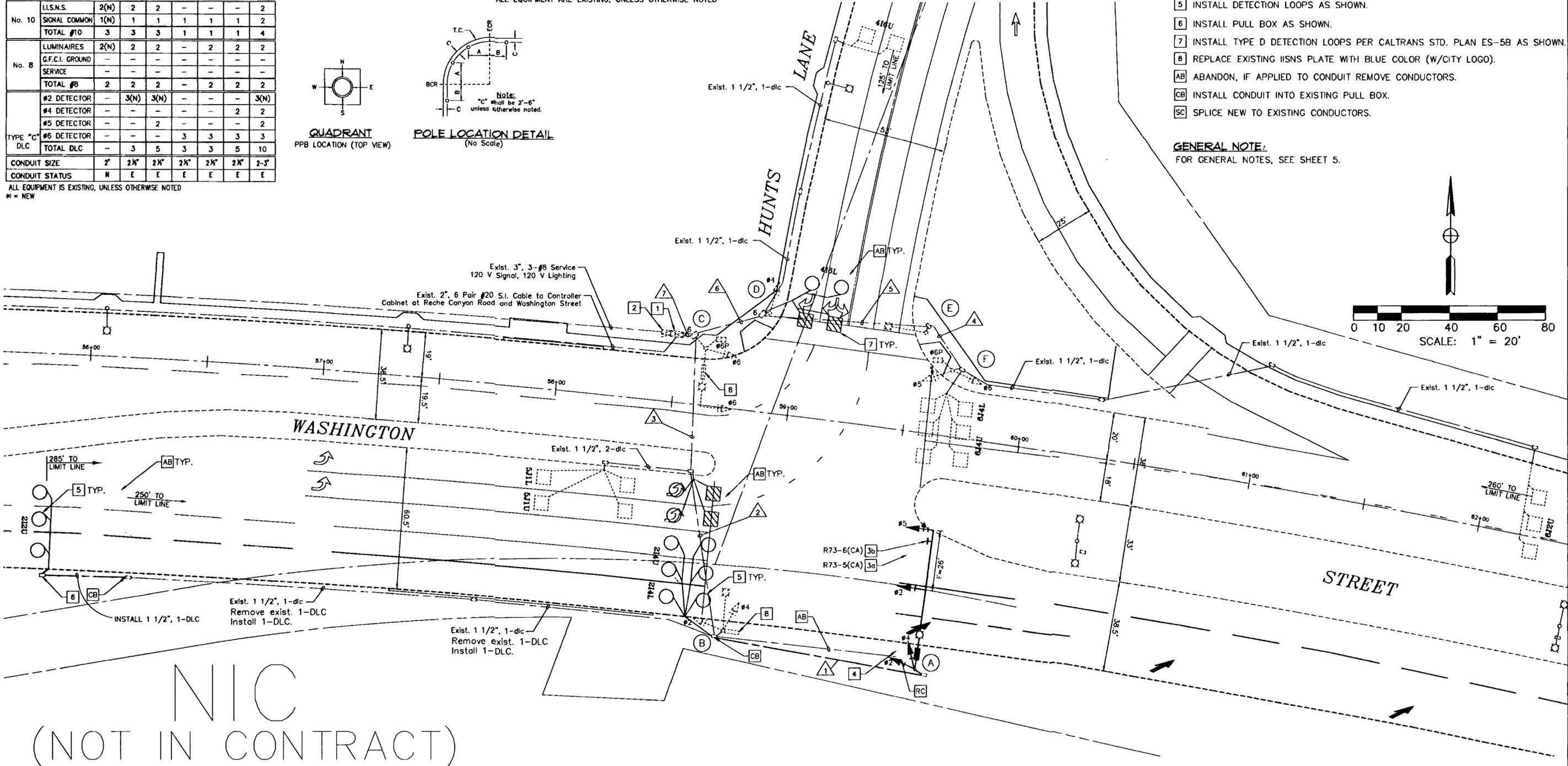
POLE AND EQUIPMENT SCHEDULE																
NO.	TYPE	HEIGHT	SMA	LMA	LUMINAIRE H.P.S. WATTS	SIGNAL MOUNTING			PED. PUSH BUTTON (TYPE B)	POLE LOCATION			I.I.S.N.S. (TYPE A DOUBLE FACE)	COMMENTS		
						VEHICLE	MAST ARM	PEDESTRIAN		PHASE	POLE QUAD	A			B	C
(A)	B1-5-100	30'	60"	15"	250	SV-2-TA	MAS/MAS	-	-	-	-	-	See Plan	Hunts Lane	#SNS-Blue w/CITY LOGO	
(B)	19-1-80 *	30'	-	15'	250	SV-2-TA	-	-	-	-	-	-	(E)	(E)	(E)	Washington St
(C)	19-2-80	30'	25'	15'	250	SV-1-T	-	-	-	-	-	-	(E)	(E)	(E)	Hunts Lane
(D)	1-A	10'	-	-	-	TV-1-T	MAS	-	-	-	-	-	(E)	(E)	(E)	-
(E)	15	30'	-	15'	250	-	-	-	-	-	-	-	(E)	(E)	(E)	-
(F)	1-A	10'	-	-	-	TV-2-TA	-	-	-	-	-	-	(E)	(E)	(E)	-

(N) = FURNISH AND INSTALL NEW (R) = RELOCATED (E) = EXISTING, TO REMAIN  
 \* - U-BOLT MOUNTED HORIZONTAL I.I.S.N.S. MAST ARM 22' ABOVE POLE FOUNDATION  
 ALL EQUIPMENT ARE EXISTING, UNLESS OTHERWISE NOTED

CONSTRUCTION NOTES:

- EXISTING 170 CONTROLLER IN TYPE "332" CABINET.
- EXISTING TYPE II-B SIGNAL AND LIGHTING SERVICE WITH 50 AMP SIGNAL BREAKER (METERED), 30 AMP LIGHTNING BREAKER (UNMETERED) AND 15 AMP I.S.N.S. (METERED)
- REMOVE SIGN AS SHOWN.
- INSTALL NEW SIGN AS SHOWN.
- REMOVE AND SALVAGE EXISTING STANDARD COMPLETE. REMOVE FOUNDATION. RELOCATE ALL EXISTING VEHICLE HEADS, SIGNS, AND IISNS TO NEW POLE.
- INSTALL DETECTION LOOPS AS SHOWN.
- INSTALL PULL BOX AS SHOWN.
- INSTALL TYPE D DETECTION LOOPS PER CALTRANS STD. PLAN ES-5B AS SHOWN.
- REPLACE EXISTING IISNS PLATE WITH BLUE COLOR (W/CITY LOGO).
- ABANDON, IF APPLIED TO CONDUIT REMOVE CONDUCTORS.
- INSTALL CONDUIT INTO EXISTING PULL BOX.
- SPlice NEW TO EXISTING CONDUCTORS.

GENERAL NOTE:  
FOR GENERAL NOTES, SEE SHEET 5.



NIC  
(NOT IN CONTRACT)

Underground Service Alert  
 Call: TOLL FREE  
 1-800  
 422-4133  
 TWO WORKING DAYS BEFORE YOU DIG

"AS-BUILT"  
 THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE SUBDIVIDER, DEVELOPER OF ANY RESPONSIBILITY OF THEIR ACCURACY.  
 ENGINEER OF WORK:  
 W.C. Sun  
 DATE: 5/1/10  
 WILLIAM C. SUN  
 R.C.E. C057664 EXPIRES 12-31-11

SEAL  
 WILLIAM C. SUN  
 NO. C057664  
 Exp. 12/31/11  
 CIVIL  
 STATE OF CALIFORNIA

LIN Consulting, Inc.  
 Traffic, Civil, and Electrical Consulting Engineers  
 21660 E. Copley Drive, Suite 270  
 Diamond Bar, CA 91765  
 (909) 396-6850 (909) 396-8150 (FAX)  
 E-MAIL: INBOX@LINCONSULTING.COM

BENCHMARK  
 BM #308: CITY OF COLTON 2"  
 BRASS DISK SET IN TOP OF THE  
 HEADWALL OF GAGE CANAL ON THE  
 SOUTH SIDE OF WASHINGTON  
 STREET BETWEEN COOLEY DRIVE  
 AND MOHAVE DRIVE, 22 FEET EAST  
 OF P.P.# 82745E  
 ELEVATION = 1039.167

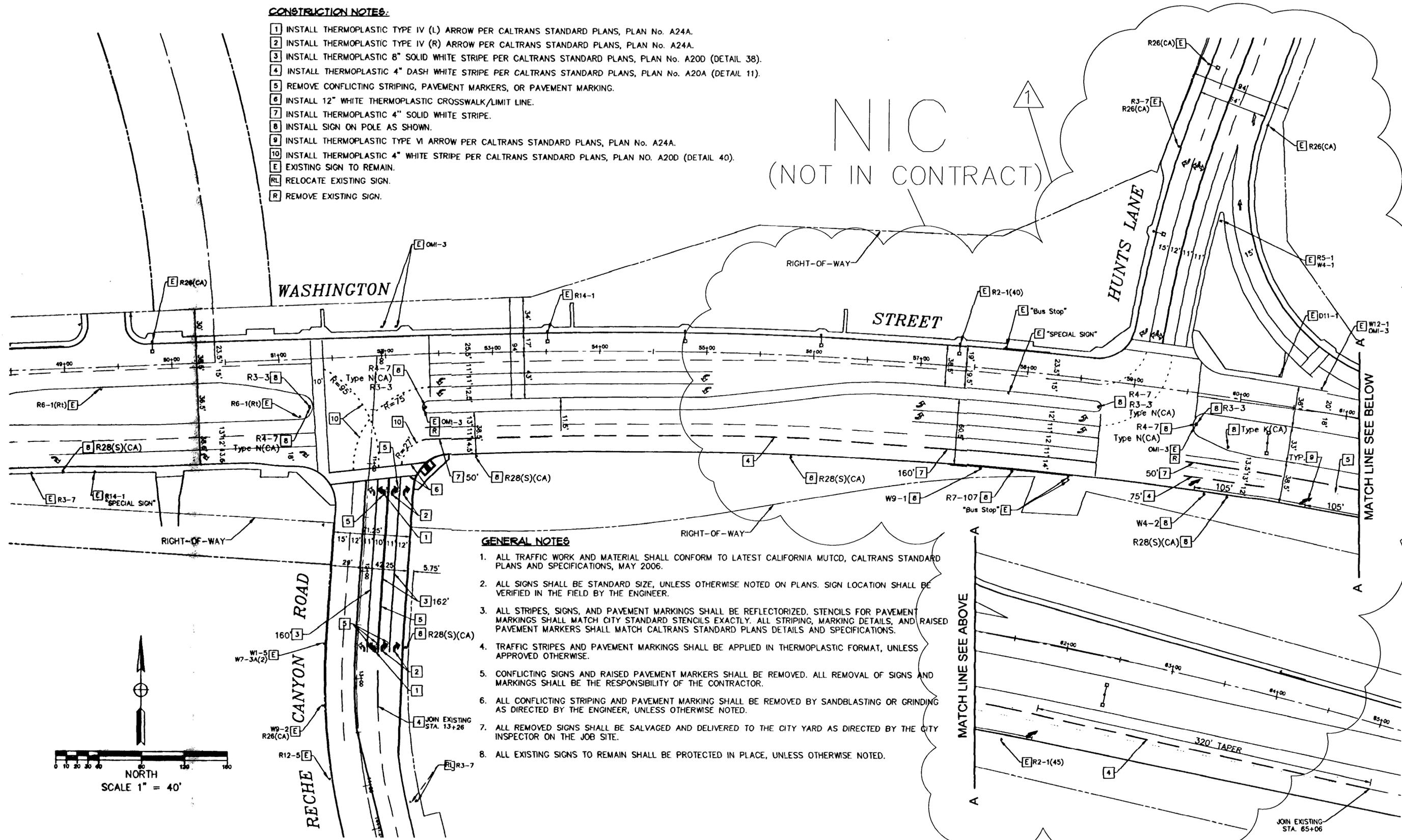
CITY OF COLTON  
 PUBLIC WORKS DEPARTMENT  
 CITY ENGINEER  
 NAME: THOMAS I. WILLIAMS  
 R.C.E. 17787  
 EXPIRES 06-30-11  
 DATE: 5-12-10  
 PLAN NO. 6128

REVISIONS  
 DATE  
 APPR.  
 SCALE  
 1" = 20'  
 DATE: 05-07-2010  
 SHEET 6 OF 7

**CONSTRUCTION NOTES:**

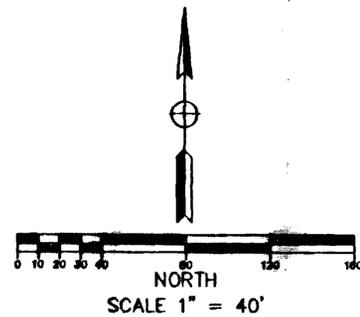
- 1 INSTALL THERMOPLASTIC TYPE IV (L) ARROW PER CALTRANS STANDARD PLANS, PLAN No. A24A.
- 2 INSTALL THERMOPLASTIC TYPE IV (R) ARROW PER CALTRANS STANDARD PLANS, PLAN No. A24A.
- 3 INSTALL THERMOPLASTIC 8" SOLID WHITE STRIPE PER CALTRANS STANDARD PLANS, PLAN No. A20D (DETAIL 38).
- 4 INSTALL THERMOPLASTIC 4" DASH WHITE STRIPE PER CALTRANS STANDARD PLANS, PLAN No. A20A (DETAIL 11).
- 5 REMOVE CONFLICTING STRIPING, PAVEMENT MARKERS, OR PAVEMENT MARKING.
- 6 INSTALL 12" WHITE THERMOPLASTIC CROSSWALK/LIMIT LINE.
- 7 INSTALL THERMOPLASTIC 4" SOLID WHITE STRIPE.
- 8 INSTALL SIGN ON POLE AS SHOWN.
- 9 INSTALL THERMOPLASTIC TYPE VI ARROW PER CALTRANS STANDARD PLANS, PLAN No. A24A.
- 10 INSTALL THERMOPLASTIC 4" WHITE STRIPE PER CALTRANS STANDARD PLANS, PLAN No. A20D (DETAIL 40).
- E EXISTING SIGN TO REMAIN.
- RL RELOCATE EXISTING SIGN.
- R REMOVE EXISTING SIGN.

NIC  
(NOT IN CONTRACT)



**GENERAL NOTES**

1. ALL TRAFFIC WORK AND MATERIAL SHALL CONFORM TO LATEST CALIFORNIA MUTCD, CALTRANS STANDARD PLANS AND SPECIFICATIONS, MAY 2006.
2. ALL SIGNS SHALL BE STANDARD SIZE, UNLESS OTHERWISE NOTED ON PLANS. SIGN LOCATION SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.
3. ALL STRIPES, SIGNS, AND PAVEMENT MARKINGS SHALL BE REFLECTORIZED. STENCILS FOR PAVEMENT MARKINGS SHALL MATCH CITY STANDARD STENCILS EXACTLY. ALL STRIPING, MARKING DETAILS, AND RAISED PAVEMENT MARKERS SHALL MATCH CALTRANS STANDARD PLANS DETAILS AND SPECIFICATIONS.
4. TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL BE APPLIED IN THERMOPLASTIC FORMAT, UNLESS APPROVED OTHERWISE.
5. CONFLICTING SIGNS AND RAISED PAVEMENT MARKERS SHALL BE REMOVED. ALL REMOVAL OF SIGNS AND MARKINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ALL CONFLICTING STRIPING AND PAVEMENT MARKING SHALL BE REMOVED BY SANDBLASTING OR GRINDING AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
7. ALL REMOVED SIGNS SHALL BE SALVAGED AND DELIVERED TO THE CITY YARD AS DIRECTED BY THE CITY INSPECTOR ON THE JOB SITE.
8. ALL EXISTING SIGNS TO REMAIN SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED.



**Underground Service Alert**

Call: TOLL FREE  
1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG

**"AS-BUILT"**

THE RECEIPT OF AS-BUILT PLANS AND CITY'S ACCEPTANCE THEREOF DOES NOT ABSOLVE THE SUBDIVIDER/DEVELOPER OF ANY RESPONSIBILITY OF THEIR ACCURACY.

ENGINEER OF WORK:

WILLIAM C. SUN  
R.C.E. C057884 EXPIRES 12-31-11

DATE: 5/7/10

SEAL

**LIN Consulting, Inc.**

Traffic, Civil, and Electrical Consulting Engineers

21660 E. Copley Drive, Suite 270  
Diamond Bar, CA 91765  
(909) 396-6850 (909) 396-8150 (FAX)  
E-MAIL: INBOX@LINCONSULTING.COM

**BENCHMARK**

BM #308, CITY OF COLTON 2" BRASS DISK SET IN TOP OF THE HEADWALL OF GAGE CANAL ON THE SOUTH SIDE OF WASHINGTON STREET BETWEEN GOOLLEY DRIVE AND MOHAVE DRIVE, 22 FEET EAST OF P.P. B27745E ELEVATION = 1036.167

**CITY OF COLTON  
PUBLIC WORKS DEPARTMENT**

CITY ENGINEER

NAME: THOMAS I. WILLIAMS  
R.C.E. 17787  
APPROVED: DATE: 5-13-10

EXPIRES 06-30-11

PLAN NO. 6128

REVISIONS		DATE	APPR.
REMOVE HUNTS LANE INTERSECTION FROM THE SCOPE OF THE PROJECT		6/26/10	V.O.
SIGNING AND STRIPING PLAN WASHINGTON STREET RECHE CANYON ROAD TO HUNTS LANE			
ADDRESS:		SCALE	SHEET 7 OF 7