CITY OF DIAMOND BAR

DEPARTMENT OF PUBLIC WORKS

PLANS FOR MEDIAN MODIFICATION ALONG DIAMOND BAR BOULEVARD AT MAPLE HILL ROAD

CITY PROJECT NO. 26316

GENERAL NOTES:

1. ALL WORK, LABOR AND MATERIALS SHALL BE IN CONFORMITY WITH THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION) AND ITS SUPPLEMENT; THESE PLANS, THE PROJECT SPECIFICATIONS AND ALL SAFETY REGULATIONS; CODES AND REQUIREMENTS PERTINENT TO THE PROJECT CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS AND WATCH MANUAL AND SHALL PROVIDE 24 HOUR SERVICE TO REMOVE, INSTALL, RELOCATE AND MAINTAIN WARNING DEVICES.
3. LOCATIONS OF EXISTING SURFACE UTILITIES AND FACILITIES SHOWN ON THE PLANS ARE BASED ON INFORMATION RECEIVED FROM VARIOUS UTILITY COMPANIES, LOCAL AGENCIES AND FIELD INVESTIGATION. THE CONTRACTOR IS ADVISED THAT LOCATIONS SHOWN ARE APPROXIMATE AND EXTREME CAUTION IS REQUIRED TO PROTECT THE EXISTING FACILITIES.
4. THE CONTRACTOR IS ADVISED TO USE EXTREME CAUTION AND PROTECT ALL EXISTING UTILITIES AND FACILITIES IN PLACE UNLESS OTHERWISE NOTED.
5. AT NO TIME SHALL ANY BUSINESS BE WITHOUT ACCESS UNLESS OTHERWISE APPROVED.
6. THE CONTRACTOR SHALL OBTAIN ALL PERMITS FROM THE CITY OF DIAMOND BAR.
7. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING WORK ON THE PROJECT. ALL WORK SHALL BE SUBJECT TO CITY INSPECTION.
8. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL AT ALL TIMES BY SWEEPING PAVED AREAS AND WATERING.
9. CONSTRUCTION SURVEY & STAKING SHALL BE PROVIDED BY THE CITY.
10. ALL NECESSARY MATERIALS & COMPACTION TESTING RELATED TO WORK WILL BE DONE BY LABORATORY APPROVED BY THE CITY. THE COST ASSOCIATED WITH ANY FAILED TEST THAT REQUIRES RE-TESTING SHALL BE BORNE BY CONTRACTOR.
11. WORK HOURS SHALL BE 8:30AM TO 3:30PM, MONDAY TO FRIDAY, OR AS DETAILED IN PROJECT SPECIFICATION. NO WORK SATURDAY, SUNDAY, AND HOLIDAYS OBSERVED BY THE CITY.
12. CONTROL JOINTS SHALL BE PLACED AT 5' O.C.
13. EXPANSION JOINTS SHALL BE PLACED AT 20' O.C., AND WHERE THE EDGER ABUTS ANOTHER HARD SURFACE, AS APPLICABLE.
14. TOP OF EDGER SHALL BE LEVEL WITH THE FINISH GRADE OUTSIDE THE TREE WELL/PLANTER

NOTICE TO THE CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THIS PLAN BY THE CITY OF DIAMOND BAR DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF LOCATION OR WHERE THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL DUE PRECAUTIONARY MEANS TO PROTECT THE UTILITY LINES NOT RECORDED OR NOT SHOWN ON THESE PLANS.

CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY FOR ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY AND THE ENGINEER HARMLESS FOR ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTED WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR THE ENGINEER.

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

ATTENTION IS DIRECTED TO THE POSSIBLE EXISTENCE OF UNDERGROUND FACILITIES NOT SHOWN OR IN A LOCATION DIFFERENT FROM THAT WHICH IS SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS. THE CONTRACTOR SHALL TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY DAMAGE SUCH FACILITIES OR INTERFERE WITH THEIR SERVICE.

48 HOURS PRIOR TO ANY EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UNDERGROUND UTILITIES SERVICE ALERT AT 1-(800)-422-4133.

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CENTERLINE OF DIAMOND BAR BOULEVARD, BEING NORTH 50° 09' 00" EAST, PER TRACT NO. 30103 FILED IN BOOK 809, PAGES 88 AND 89, IN THE OFFICE OF THE COUNTY RECORDER OF LOS ANGELES COUNTY, CALIFORNIA.

BENCH MARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE LOS ANGELES COUNTY PUBLIC WORKS SURVEY DIVISION BENCH MARK NO. G 4242, (NAVD 88, YEAR 2005).
RDBM TAG IN S END C.B. 15.5M (51FT) W/O C/L DIAMOND BAR BLVD & 130M (426FT) S/O C/L MOUNTAIN LAUREL @ HSE # 1726

ELEVATION 848.217'

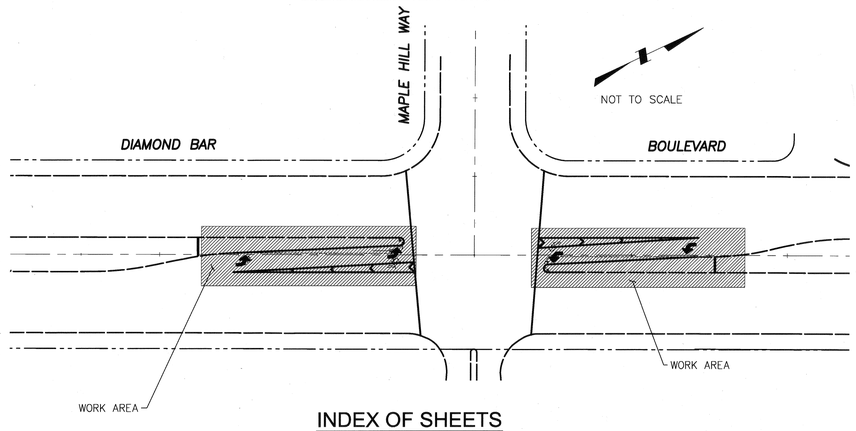
ABBREVIATION:

BC	= BEGINNING OF CURB
EC	= END OF CURB
FS	= FINISH SURFACE
GB	= GRADE BREAK
LOC	= LENGTH ON CURVE
L	= LENGTH
LT	= LEFT
RT	= RIGHT
TC	= TOP OF CURB
EX	= EXISTING

UTILITY AGENCIES

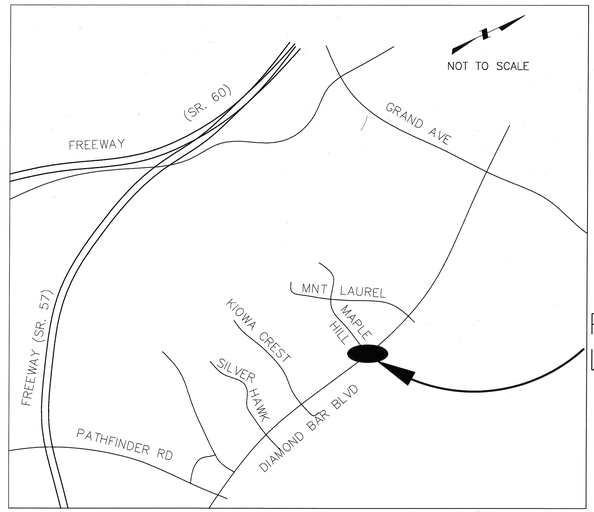
UTILITY AGENCIES	PHONE NO.
VERIZON	909-469-6345
USA	800-858-8886
SOUTHERN CALIFORNIA EDISION COMPANY	909-592-3761
WALNUT VALLEY WATER DISTRICT	909-595-7554
SOUTHERN CALIFORNIA GAS COMPANY	818-701-2565, or 213-881-8291
TIME WARNER CABLE	714-920-6149, or 888-683-1000
WASTE MANAGEMENT	626-336-3636
VALLEY VISTA SERVICES	800-442-6454
LOS ANGELES COUNTY SHERIFF'S DEPT.	909-595-2264
LOS ANGELES COUNTY FIRE DEPT.	909-396-0164

DIGALERT 811 Know what's below. Call before you dig.



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET - LOCATION MAP
2	MEDIAN IMPROVEMENT PLAN & PROFILE
3	CROSS-SECTIONS (FOR REFERENCE ONLY)



LOCATION MAP
NOT-TO-SCALE

NPDES NOTES

1. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
3. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
4. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO EXCAVATIONS, THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTE ON SITE UNTIL IT CAN BE DISPOSED OF AS SOLID WASTE.
5. TRASH AND CONSTRUCTION RELATED SOLID WASTE MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
6. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT-OF-WAY. ACCIDENTAL DEPOSITS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN.
7. CATCH BASINS MUST BE PROTECTED WITH FILTER FABRIC AND GRAVEL BAGS.

SIGNING AND STRIPING NOTES (THIS SHEET):

1. INSTALL 8"-WHITE PAINT CHANNELIZING STRIPE AND PAVEMENT MARKERS PER CALTRANS STD. PLAN A20D, DETAILS 38A AND 38C. **NOTES: PAVEMENT MARKERS SHALL BE CERAMIC. CONTRACTOR SHALL USE BITUMINOUS PAVEMENT MARKER ADHESIVE.
2. RELOCATE EXISTING SIGNS AND POST TO NEW LOCATION AS SHOWN ON PLAN. INSTALL SIGN(S) AS SHOWN.
3. INSTALL WHITE THERMOPLASTIC TYPE IV (L) ARROW PAVEMENT MARKING PER CALTRANS STD. PLAN A24A
4. SANDBLAST CONFLICTING STRIPING AND PAVEMENT MARKINGS
5. REFURBISH 12"-WIDE WHITE LINE IN-KIND
6. INSTALL LEFT-EDGE, RAISED PAVEMENT MARKER DETAIL 26 PER CALTRANS STD. PLAN A20B AT 15' O.C
7. INSTALL 12" CHEVRON STRIPE AT 15' O.C., THERMOPLASTIC
8. PROTECT IN PLACE EXISTING COMMUNICATION CONDUIT AND PULL BOX. IN CASE THE PULL BOX IS DAMAGE DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE AND RE-PULL THE FIBER OPTIC CABLE AT THE CONTRACTOR EXPENSE.
9. CONTRACTOR TO COORDINATE WITH THE CITY BEFORE ANY WORK TO BE DONE ON THE FIBER COMMUNICATION NETWORK.
10. FURNISH AND INSTALL 2" CONDUIT.
11. CONTRACTOR TO DISCONNECT THE EXISTING 96 SMFO CABLE FROM EXISTING 332 CABINET AND PULL IT BACK TO EXISTING PULL BOX AT STA. 2+14. CONTRACTOR SHALL REMOVE EXISTING PULL BOX AT MEDIAN NOSE (STA. 4+46) AND REPULL THE EXISTING 96 SMFO CABLE THROUGH NEW AND EXISTING CONDUIT AS SHOWN ON PLAN. CONTRACTOR SHALL SPLICE AND RE-TERMINATE FIBER STRANDS PER TRAFFIC SIGNAL INFRASTRUCTURE UPGRADE PROJECT.

CONSTRUCTION NOTES (THIS SHEET):

1. SAWCUT AND REMOVE 12" DEPTH OF EXISTING PAVEMENT SECTION
2. REMOVE AND DISPOSE EXISTING MEDIAN CURB
3. REMOVE AND DISPOSE EXISTING SHRUBS AND MISCELLANEOUS LANDSCAPES & HARDSCAPES
4. MODIFY AND RESTORE IRRIGATION PIPES AND APPURTENANTS AS NECESSARY
5. CONSTRUCT AC DEEP LIFT (12" DEPTH) USING TYPE B2-PG 64-10, AND C2-PG-64-10.
6. CONSTRUCT MODIFIED A1-6 CURB PER APWA STD. PLAN 120-1 (CURB HEIGHT PER PROFILE)
7. CONSTRUCT CONCRETE MOW STRIP PER DETAIL HEREON
8. CONSTRUCT MEDIAN COBBLESTONE PER SPECIFICATIONS.
9. RESTORE SOD, SHRUBS AND LANDSCAPE AS NECESSARY (MARATHON II OR EQUAL)
10. SLURRY SEAL PAVEMENT PER SPECIFICATIONS

CALTRANS STD. NOTES:

CC CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.

RS REMOVED AND SALVAGE EQUIPMENT.

REGISTERED PROFESSIONAL ENGINEER — JEFFREY B. HEALD — No. C49164 — EXP. 09/30/18 — CIVIL — STATE OF CALIFORNIA

PREPARED BY:
DKS
2401 E KATELLA AVE., SUITE 425
Anaheim, CA 92806
(657) 284-2620
www.dksassociates.com

JEFF HEALD — C49164 — OCT 21, 2016
R.C.E. NO. — DATE

SUBMITTED _____

REVIEWED _____

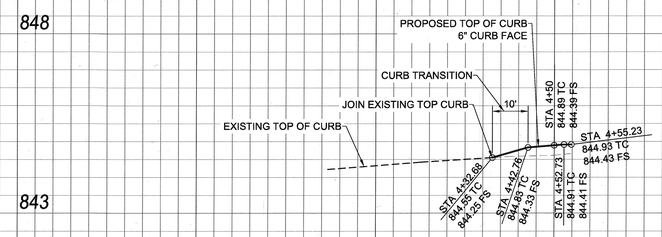
APPROVED _____ 11.3.16
DAVID G. LIU, P.E. — RCE 44053 — DATE
DIRECTOR OF PUBLIC WORKS/ CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS
CITY OF DIAMOND BAR
STATE OF CALIFORNIA

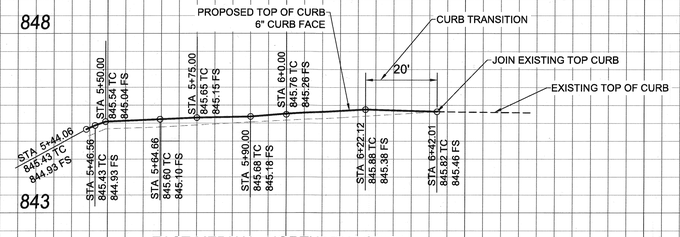
MEDIAN MODIFICATION PLAN
DIAMOND BAR BLVD.
AT MAPLE HILL WAY

SCALE: NO SCALE

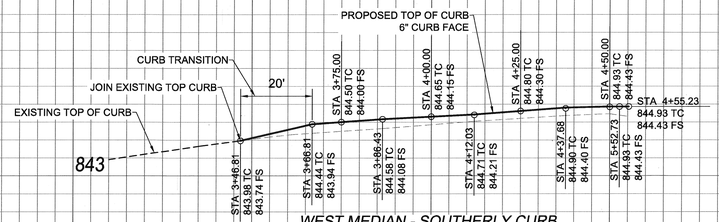
PROJECT NO. 26316 | DATE: OCT 21, 2016 | SHEET 01 OF 03



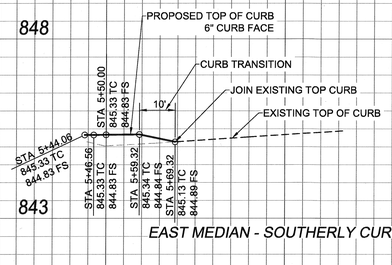
WEST MEDIAN - NORTHERLY CURB



EAST MEDIAN - NORTHERLY CURB

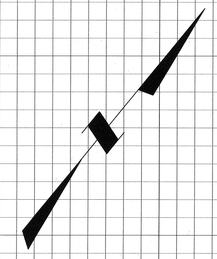


WEST MEDIAN - SOUTHERLY CURB



EAST MEDIAN - SOUTHERLY CURB

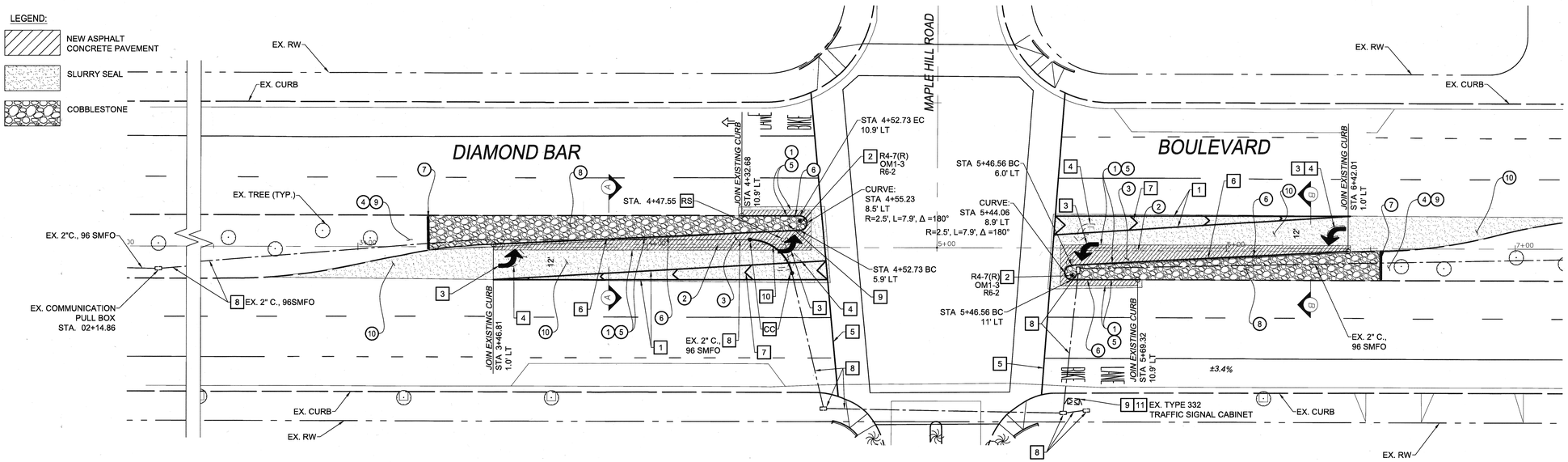
2+00 2+50 3+00 3+50 4+00 4+50 5+00 5+50 6+00 6+50 7+00 7+50 8+00



PROFILE SCALE
HORIZ: 1" = 20'
VERT: 1" = 2'

LEGEND:

- NEW ASPHALT CONCRETE PAVEMENT
- SLURRY SEAL
- COBBLESTONE



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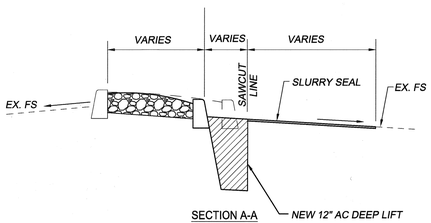
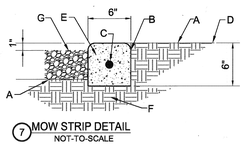


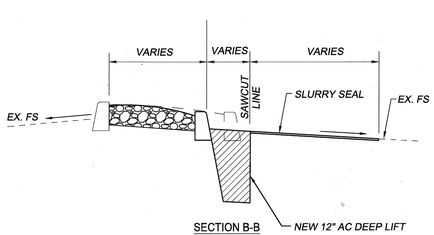
SECTION A-A
NOT-TO-SCALE
FROM STA. 3+46.81 TO STA. 4+55.23



7 MOW STRIP DETAIL
NOT-TO-SCALE

MOW STRIP NOTES :

A. FINISH GRADE AT LANDSCAPE AREA.
B. TOOLED EDGE. (TYP.)
C. #3 REBAR, HORIZONTAL AND CONTINUOUS
D. MATERIAL VARIES (SEE PLANS).
E. 4000 PSI CONCRETE EDGER WITH BRUSH FINISH
F. SUBGRADE COMPACTED TO 95%
G. COBBLESTONE OR OTHER LANDSCAPE PER PLAN.



SECTION B-B
NOT-TO-SCALE
FROM STA. 5+44.06 TO STA. 6+42.01

DIGALERT 811 Know what's below. Call before you dig.

GENERAL NOTES (THIS SHEET)

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3. TOP OF EDGER SHALL BE LEVEL WITH THE FINISH GRADE OUTSIDE THE TREE WELL/PLANTER

REGISTERED PROFESSIONAL ENGINEER
JEFFREY B. HEALD
No. C49164
EXP. 09/30/18
CIVIL
STATE OF CALIFORNIA

PREPARED BY:
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JEFF HEALD — C49164 R.C.E. NO. — OCT 21, 2016 DATE

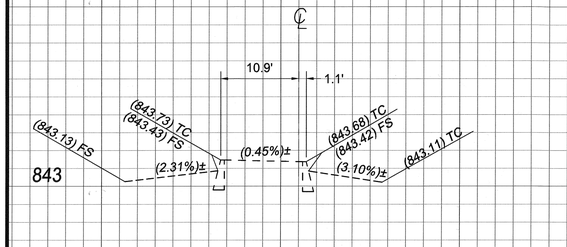
SUBMITTED
REVIEWED
APPROVED 11-3-16
DAVID G. LIU, P.E. RCE 44053 DATE
DIRECTOR OF PUBLIC WORKS/ CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS
CITY OF DIAMOND BAR
STATE OF CALIFORNIA

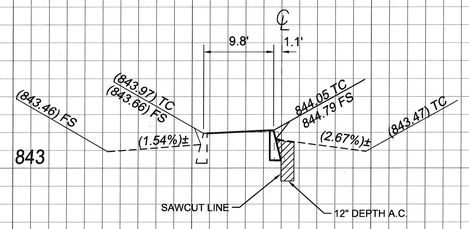
MEDIAN MODIFICATION PLAN
DIAMOND BAR BLVD.
AT MAPLE HILL WAY

SCALE: 1"=20'

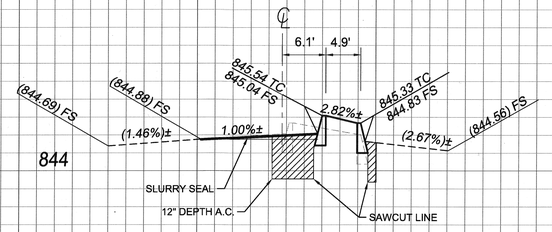
PROJECT NO. 26316 | DATE: OCT 21, 2016 | SHEET 02 OF 03



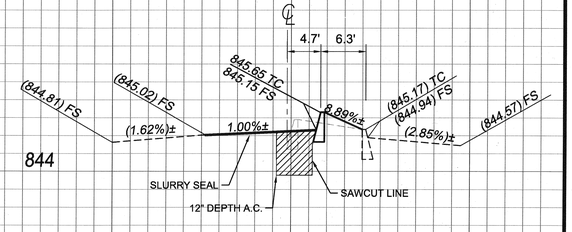
STA. 3+25



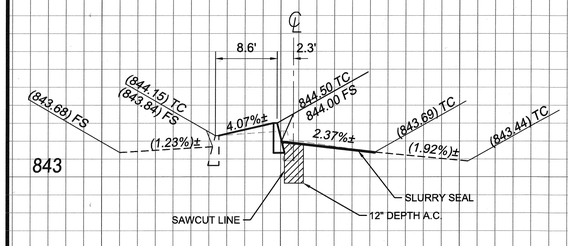
STA. 3+50



STA. 5+50



STA. 5+75



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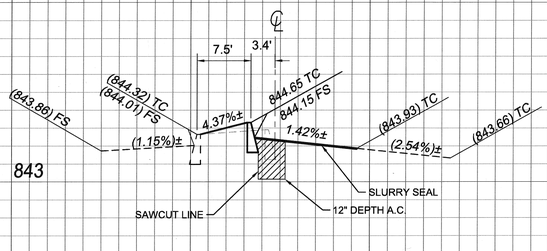
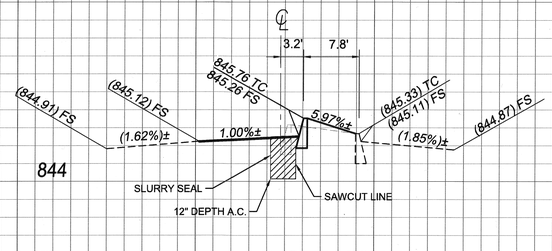
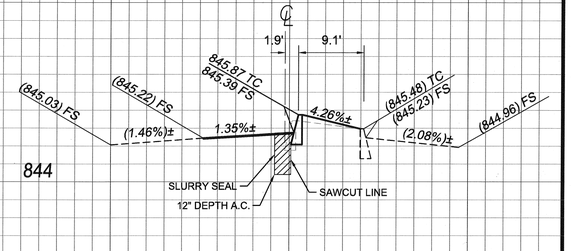


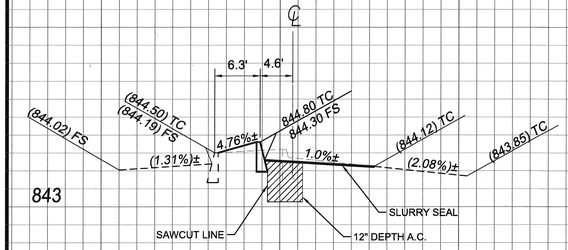
STA. 4+00



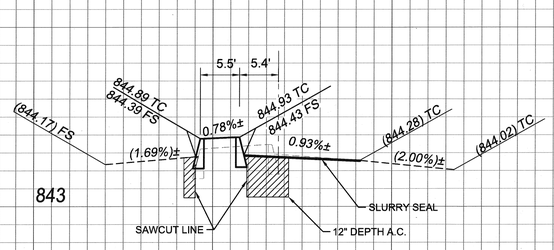
STA. 6+00



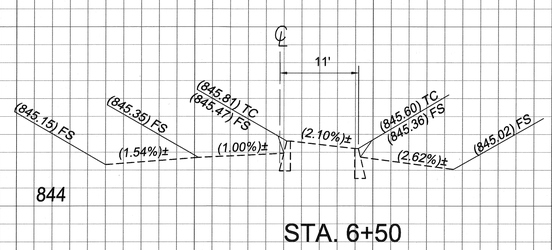
STA. 6+25



STA. 4+25



STA. 4+50



STA. 6+50

WEST MEDIAN

EAST MEDIAN

CROSS-SECTION SCALE
HORIZ: 1" = 10'
VERT: 1" = 2'

FOR REFERENCE ONLY

DIGALERT 811 Know what's below. Call before you dig.

REGISTERED PROFESSIONAL ENGINEER JEFFREY B. HEALD No. C49164 EXP. 09/30/18 CIVIL STATE OF CALIFORNIA

PREPARED BY:
DKS
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JEFF HEALD — C49164 R.C.E. NO. — OCT 21, 2016 DATE

SUBMITTED _____
REVIEWED _____
APPROVED _____ 11-3-16
DAVID G. LIU, P.E. RCE 44053 DATE
DIRECTOR OF PUBLIC WORKS/ CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS
CITY OF DIAMOND BAR
STATE OF CALIFORNIA

MEDIAN MODIFICATION PLAN
DIAMOND BAR BLVD.
AT MAPLE HILL WAY

SCALE: 1"=20'

PROJECT NO. 26316 | DATE: OCT 21, 2016 | SHEET 03 OF 03