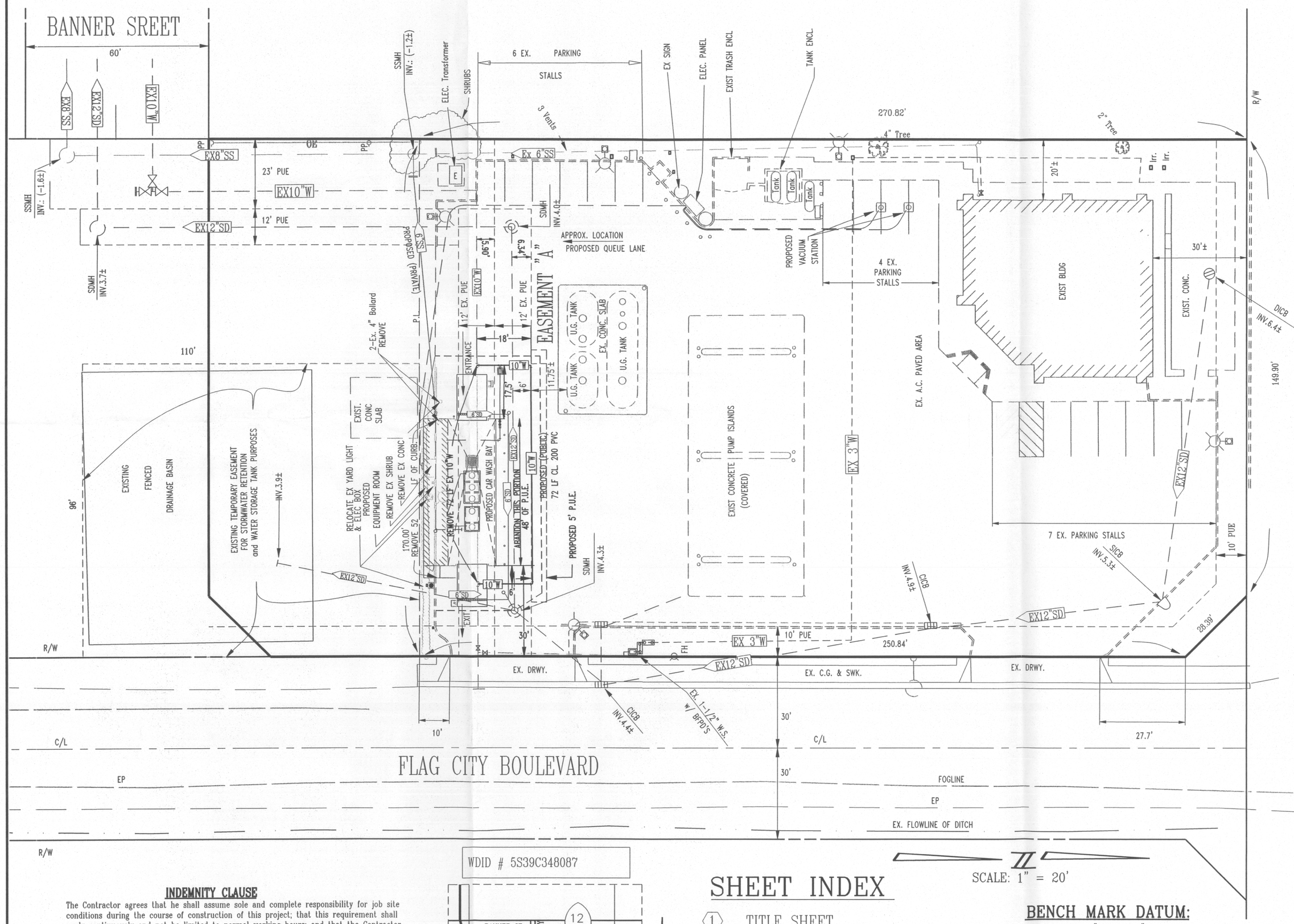
EP-08-223-1

IMPROVEMENT PLANS FOR: Flag City ARCO - Carwash Addition

Yousif Halloum 14931 N. Flag City Blvd., Lodi, CA 95242



STATE HIGHWAY NO. 12

C/L

CLEARING & GRADING NOTES

1. ALL SITE VEGETATION, EXISTING TREES, STUMPS AND ETC. SHALL BE REMOVED INCLUDING ROOTS & HAULED FROM THE SITE.
2. GRADING OPERATIONS SHALL COMPLY WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT FOR THIS PROJECT, AND WITH THE DUST CONTROL REQUIREMENTS GIVEN BELOW. COMPACTION SHALL BE TO 90% R.C. MINIMUM, UNLESS OTHERWISE NOTED IN THESE PLANS OR THE SOILS REPORT. FILL SHALL NOT BE INSTALLED IN LAYERS EXCEEDING 8" THICKNESS.
3. THIS PROJECT MAY NOT BALANCE. GRADES WILL NOT BE ADJUSTED. IMPORT FILL (MATERIAL NOT GENERATED FROM ADJACENT PROPERTY) SHALL MEET THE REQUIREMENTS OF THE SOILS REPORT AND BE CERTIFIED AS ACCEPTABLE FOR THIS PROJECT BY THE GEOTECHNICAL ENGINEER. EXPANSIVE SOILS ARE NOT ALLOWED.
4. THE DEVELOPER (A.D.M.), AT THEIR EXPENSE, SHALL RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO CERTIFY THAT THE REQUIRED COMPACTION HAS BEEN MET AND TO TEST THE CONCRETE FOR COMPLIANCE WITH THE SPECIFICATIONS.
5. TOLERANCE ON COMPACTED SUBGRADES IS AS FOLLOWS: PAVED AREAS (CONCRETE AND ASPHALT) AND FLATWORK AREAS: 0.05'±; ALL OTHER AREAS: 0.1'±.
6. ROUGH GRADING WILL BE VERIFIED ON THE BUILDING PAD, BY THE ENGINEER.
7. UNDERGROUND TANKS, SEPTIC SYSTEMS TO BE REMOVED WITH SAN JOAQUIN CERTIFICATIONS OF ABANDONMENTS PRIOR TO ANY ROUGH GRADING.
8. SHOULD ANY IRRIGATION LINES BE ENCOUNTERED, THE CONTRACTOR SHALL REMOVE THEM.

DUST CONTROL REQUIREMENTS

1. DUST CONTROL IS THE CONTRACTORS SOLE RESPONSIBILITY WHEN WORKING ON-SITE, AND ALL DUST CONTROL WORK SHALL BE INCLUDED IN THE BID. THE CONTRACTOR SHALL ALSO WATER THE SITE, AS AN EXTRA, WHEN REQUESTED BY THE CITY OR THE OWNER.
2. ALL MOTORS SHALL BE KEPT PROPERLY TUNED AND MAINTAINED.
3. EARTH MOVING ACTIVITIES SHALL CEASE IF WIND EXCEEDS 20 MPH AVERAGE OVER ONE HOUR.
4. ON-SITE VEHICLE SPEEDS SHALL BE LIMITED TO 15 MPH.
5. ALL AREAS WITH VEHICLE TRAFFIC SHOULD BE WATERED PERIODICALLY FOR STABILIZATION OF DUST EMISSIONS.
6. STREETS ADJACENT TO THE PROJECT SITE SHOULD BE SWEPT AS NEEDED TO REMOVE SILT WHICH MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES.
7. THE AREA DISTURBED BY CLEARING, EARTH MOVING OR EXCAVATION ACTIVITIES SHOULD BE MINIMIZED AT ALL TIMES.
8. ALL MATERIAL TRANSPORTED ON OR OFF-SITE SHALL EITHER BE SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT EXCESSIVE AMOUNT OF DUST.
9. WHEN CONDITIONS ARE DRY, ALL MATERIAL EXCAVATED OR GRADED SHOULD SUFFICIENTLY WATERED TO PREVENT EXCESSIVE AMOUNT OF DUST. WATERING SHOULD OCCUR AT LEAST TWICE A DAY WITH COMPLETE COVERAGE, PREFERABLY IN THE LATE MORNING AND AFTER WORK IS DONE FOR THE DAY.
10. ALL OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DIST.

WINTERIZATION NOTES

REFER TO SWPPP PREPARED FOR THIS PROJECT FOR EROSION & SEDIMENT CONTROL REQUIREMENTS.

1. EROSION CONTROL: ALL CATCH BASINS SHALL BE SEALED UNTIL THE COMPLETION OF THE PROJECT. IF SITE WORK EXTENDS INTO THE RAINY SEASON, OTHER MEASURES MAY BE TAKEN AS REQUIRED BY THE CITY AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER. ALL STORM DRAINAGE TRAPS SHALL BE CLEANED PRIOR TO ACCEPTANCE.
2. COST OF EROSION CONTROL AND OTHER ITEMS OF WINTERIZATION SHALL BE INCLUDED IN AN ITEM ENTITLED "EROSION CONTROL AND WINTERIZATION".
3. CONTRACTOR WILL BE REQUIRED TO CLEAN EXISTING STORM DRAIN DOWNSTREAM OF THIS PROJECT, AS NECESSARY. DETERMINE EXISTING CONDITION, WITH CITY INSPECTOR, PRIOR TO CONSTRUCTION.

LEGEND

DICB	EX. DROP INLET CATCH BASIN
SICB	EX. SIDE INLET CATCH BASIN
CICB	EX. CURB INLET CATCH BASIN
SDMH	EX. STORM DRAIN MANHOLE
SSMH	EX. SANITARY SEWER MANHOLE
MW	MONITORING WELL
INV.1.67	EX. PIPE INVERT ELEVATION
PP	EX. POWER POLE
	TRAFFIC SIGN
	EX. WATER VALVE
FH	EX. FIRE HYDRANT
SL	EX. STREET LIGHT
WS	WATER SERVICE
FNC	EX.FENCE
PUE	PUBLIC UTILITY EASEMENT
C/L	CENTERLINE
R/W	RIGHT-OF-WAY
EP	EXISTING EDGE OF PAVEMENT
PL	PROPERTY LINE
EX. & EXIST	EXISTING
EX8"SS	SEWER LINE with DIRECTION OF FLOW
EX12"SD	
EX10"W	EXISTING WATER MAIN
TELE	
E	EXISTING UNDERGROUND ELECTRIC LINES
OE	EXISTING OVERHEAD ELECTRIC LINES
10"W	PROPOSED WATER LINE
6"SS	PROPOSED SEWER LINE

NOTES:

1. UNDERGROUND UTILITIES ARE PLOTTED FROM FIELD OBSERVATIONS AND AVAILABLE RECORDS. COMPLETENESS AND ACCURACY OF EXISTING UTILITY LOCATIONS SHOWN ON THIS DRAWING IS NOT GUARANTEED.

REGISTERED PROFESSIONAL ENGINEER STEVEN E. PECHIN NO. 42764 CIVIL STATE OF CALIFORNIA 1-17-08

INDEMNITY CLAUSE

The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project; that this requirement shall apply continuously and not be limited to normal working hours; and that the Contractor shall defend, indemnify and hold harmless the Owner and the project engineer from any and all claims of litigation, damages and attorney's fees for personal or property damage of whatever nature which are claimed to have occurred during the term of this project.

CONSTRUCTION STAKING LIABILITY WAIVER

These Improvement Plans have been prepared with the intent that the firm of Baumbach & Piazza, Inc. will be performing the construction staking for the complete project. If, however, another engineering and/or surveying firm should be employed to use these plans for the purpose of construction staking, notice is hereby given that the firm of Baumbach & Piazza, Inc. will not assume any responsibility for errors or omissions if any, which might occur and which could have been avoided, corrected or mitigated if Baumbach & Piazza, Inc. had performed the staking work, or if Baumbach & Piazza, Inc. had been contacted prior to staking regarding any questions of ambiguity in the plans, interpretation of the plans, or engineering inconsistencies contained in these plans.

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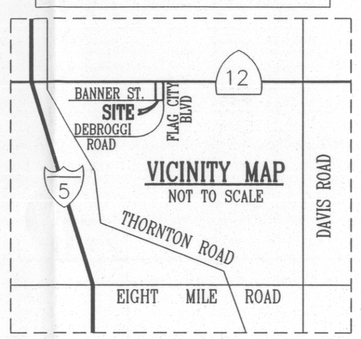

SHEET INDEX

1. TITLE SHEET
2. NOTES AND DETAIL SHEET
3. EASEMENT "A" PLAN & PROFILE

BENCH MARK DATUM:

BENCH MARK "Z-AA-13.4"
ELEVATION: 9.658
LOCATION:SAN JOAQUIN CO. BOLT ON CONCRETE HEADWALL LOCATED AT THORNTON RD 1030 FT NORTH OF KINGDON RD. ON EAST SIDE.

BASIS OF STATIONING

THE STATIONING FOLLOWS THE CENTER OF THE EXISTING 10"WATER. STA. 10+00.00 IS AT THE INTERSECTION OF THE WEST R/W OF FLAG CITY BOULEVARD AND THE CENTER OF THE EXISTING 10"W.

PIPE FITTINGS and MATERIALS

All Sanitary Sewer=P.V.C. conforming to ASTM D3034 SDR35 with joints conforming to ASTM D3212.
Water=P.V.C.(CL 150 min.) conforming to AWWA C-900, DR18. Use Cl 200 as required by City at SS & SD crossings, and fire sprinkler lines.

USA CALL BEFORE YOU DIG 800-227-2600

CAUTION!! 0 ½ 1 DO NOT SCALE THIS DRAWING IF BAR DOES NOT MEASURE 1 INCH.

REVISIONS	NO.	DESCRIPTION	COUNTY APPROVAL APPROVED BY	DATE

Flag City ARCO - Carwash Addition

PUBLIC WATER MAIN-TITLE SHEET

PREPARED IN THE OFFICE OF:
BAUMBACH & PIAZZA, INC.
CIVIL ENGINEERS
323 WEST ELM STREET
LODI, CALIFORNIA 95240
DESIGNED UNDER THE SUPERVISION OF:
STEVEN E. PECHIN
DESIGN ENGINEER

DATE: 1-17-08
R.C.E. NO.: 42764
EXP DATE: 3/31/08

DRAWN BY: E.S., SEP
SCALE: 1"= 20'
SHEET 1 OF 3
JOB NO. 07014
FILE NO. G-1353

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