

YOSEMITE DR DRAINAGE IMPROVEMENTS CITY JOB NO. 425-D1-1415

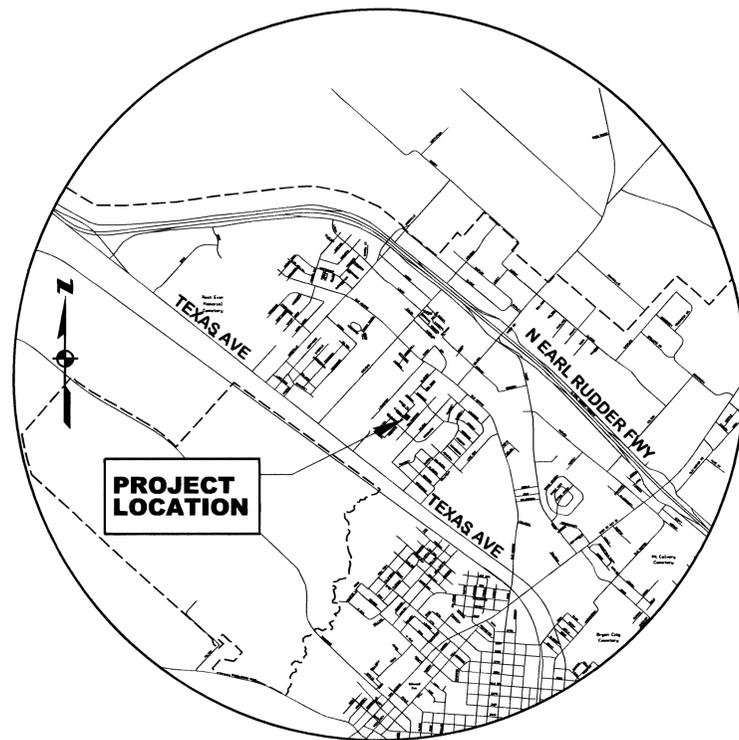
CITY OF BRYAN CITY COUNCIL

JASON BIENSKIMAYOR
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 RAFAEL PENA IIISINGLE MEMBER DISTRICT 2
 GREG OWENSSINGLE MEMBER DISTRICT 3
 MIKE SOUTHERLANDSINGLE MEMBER DISTRICT 4
 ART HUGESSINGLE MEMBER DISTRICT 5
 CHUCK KONDERLAPLACE 6 - AT LARGE

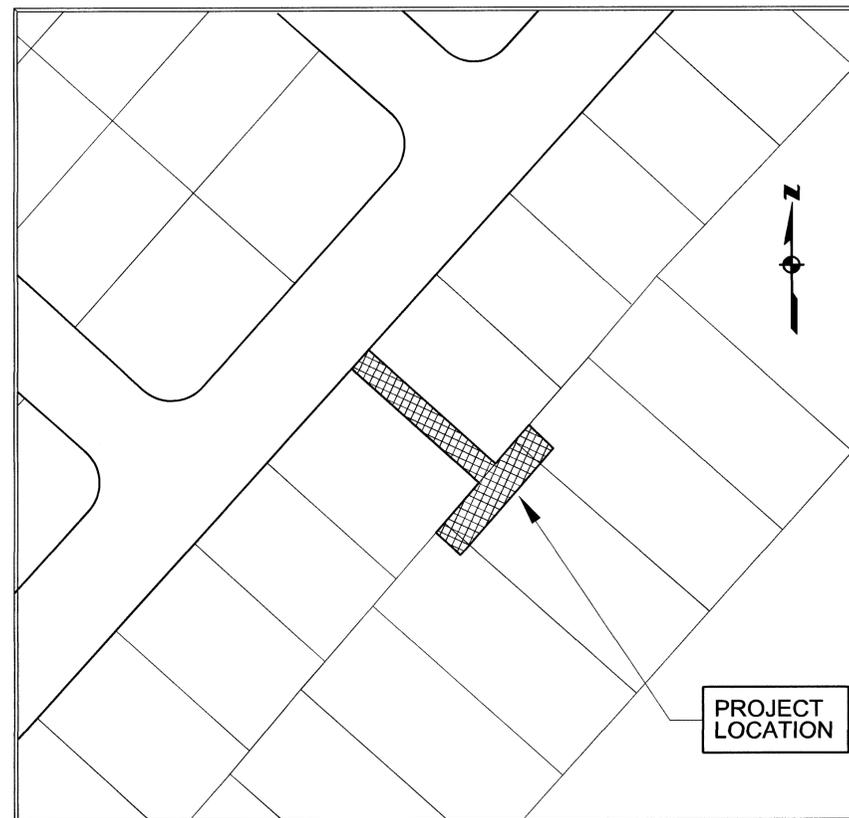
PAUL KASPAR, P.E.CITY ENGINEER
 BARNEY WILLIAMSPROJECT MANAGER

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VICINITY MAP
N.T.S.



LOCATION MAP
N.T.S.



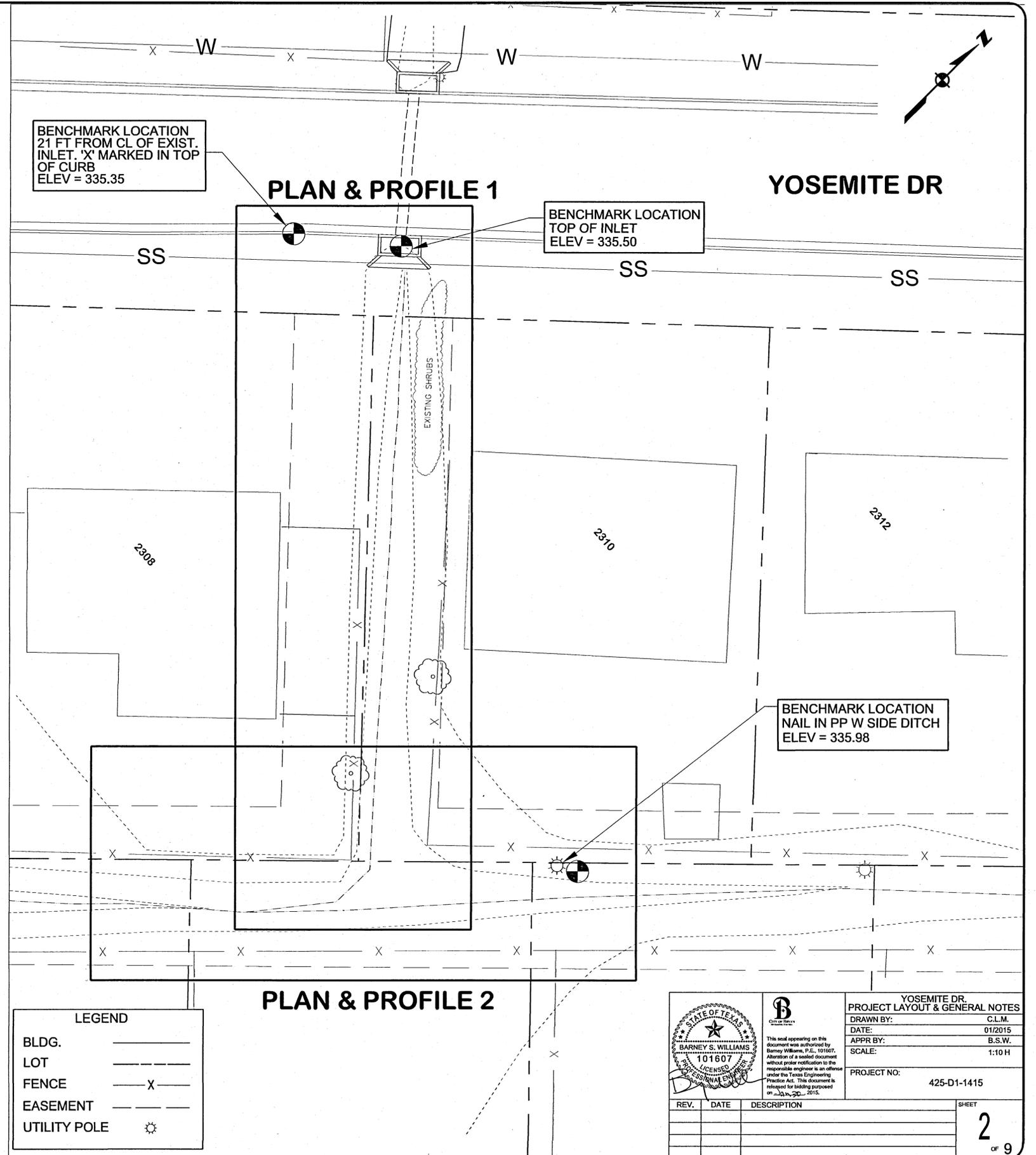
JANUARY 2015

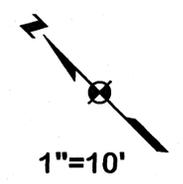
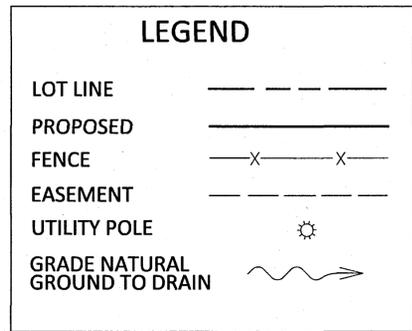
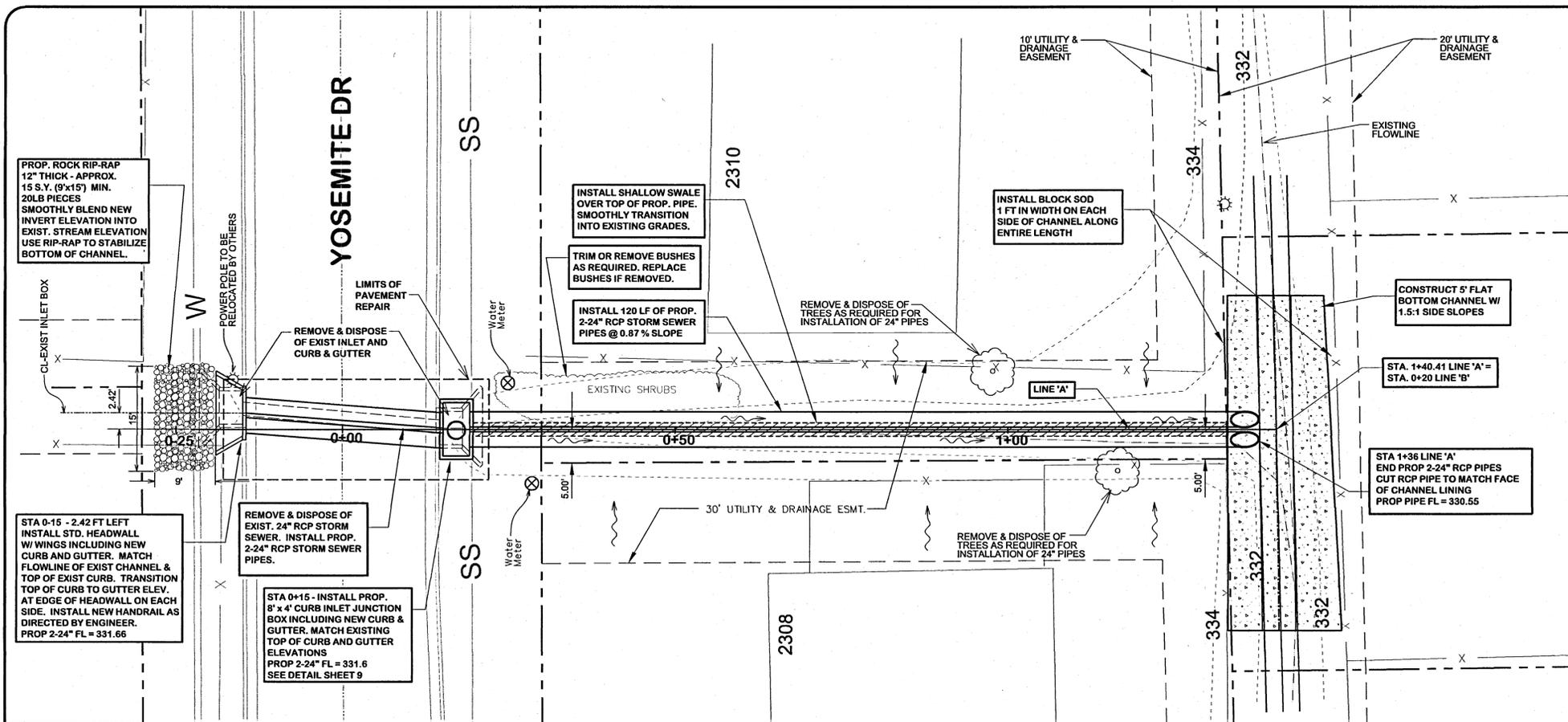
	YOSEMITE DR DRAINAGE PROJECT	
	DRAWN BY:	C.L.M.
	DATE:	01/2015
	APPR BY:	B.S.W.
SCALE:		N/A
PROJECT NO:		425-D1-1415
REV.	DATE	DESCRIPTION
SHEET		1
OF		9

GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING AND WORK. ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS ONLY.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, INCLUDING:
 - WATER & WASTEWATER SERVICES..... 209-5900
 - ELECTRICAL SERVICES (BTU)..... 821-5830
 - ATMOS GAS..... 775-1624
 - DIG TESS..... 1-800-344-8377
 - SUDDENLINK..... 776-7766
3. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING, BRACING, ETC. WHERE TRENCH DEPTH EXCEEDS 5 FEET.
4. TRENCH SAFETY SHALL BE IN ACCORDANCE WITH OSHA STANDARD 29 CFR PART 1926 P.
5. TRENCHING AND BACKFILL IN ALL STRUCTURAL AND NON-STRUCTURAL AREAS SHALL BE IN ACCORDANCE WITH THE TYPICAL TRENCH DETAIL FOUND IN THE CONSTRUCTION STANDARD DETAILS. STRUCTURAL BACKFILL SHALL BE PLACED IN ALL ROAD EXCAVATIONS.
6. A TRAFFIC CONTROL PLAN (TCP) SHALL BE DEVELOPED AND MAINTAINED BY THE CONTRACTOR WHILE WORKING AROUND TRAFFIC AREAS. THE TCP SHALL BE UNIQUE TO THE SITE AND APPROVED BY THE PROJECT ENGINEER PRIOR TO THE START OF CONSTRUCTION.
7. ALL OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FENCES, CURBS AND SIGNS SHALL BE REPLACED TO ORIGINAL CONDITION OR TUNNELED AS DIRECTED BY THE ENGINEER. COST IS SUBSIDIARY TO ALL BID ITEMS.
8. CONTRACTOR WILL PROVIDE SEDIMENT CONTROL MEASURES SUCH AS SILT FENCING AND HAY BALES AROUND STORM SEWER INLETS AND MAINTAIN APPROPRIATE SWPP PLANS ONSITE IN ACCORDANCE WITH TCEQ REQUIREMENTS.
9. CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS FREE OF MUD, SILT, ETC. AT ALL TIMES DURING CONSTRUCTION.
10. BASE THICKNESS OF FOUNDATION SHALL BE AS FOLLOWS:

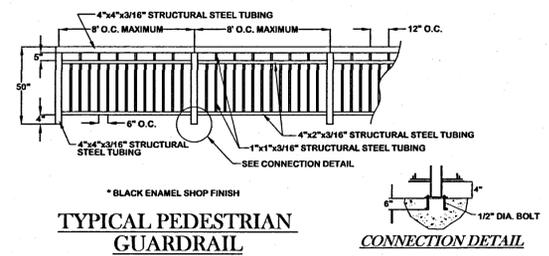
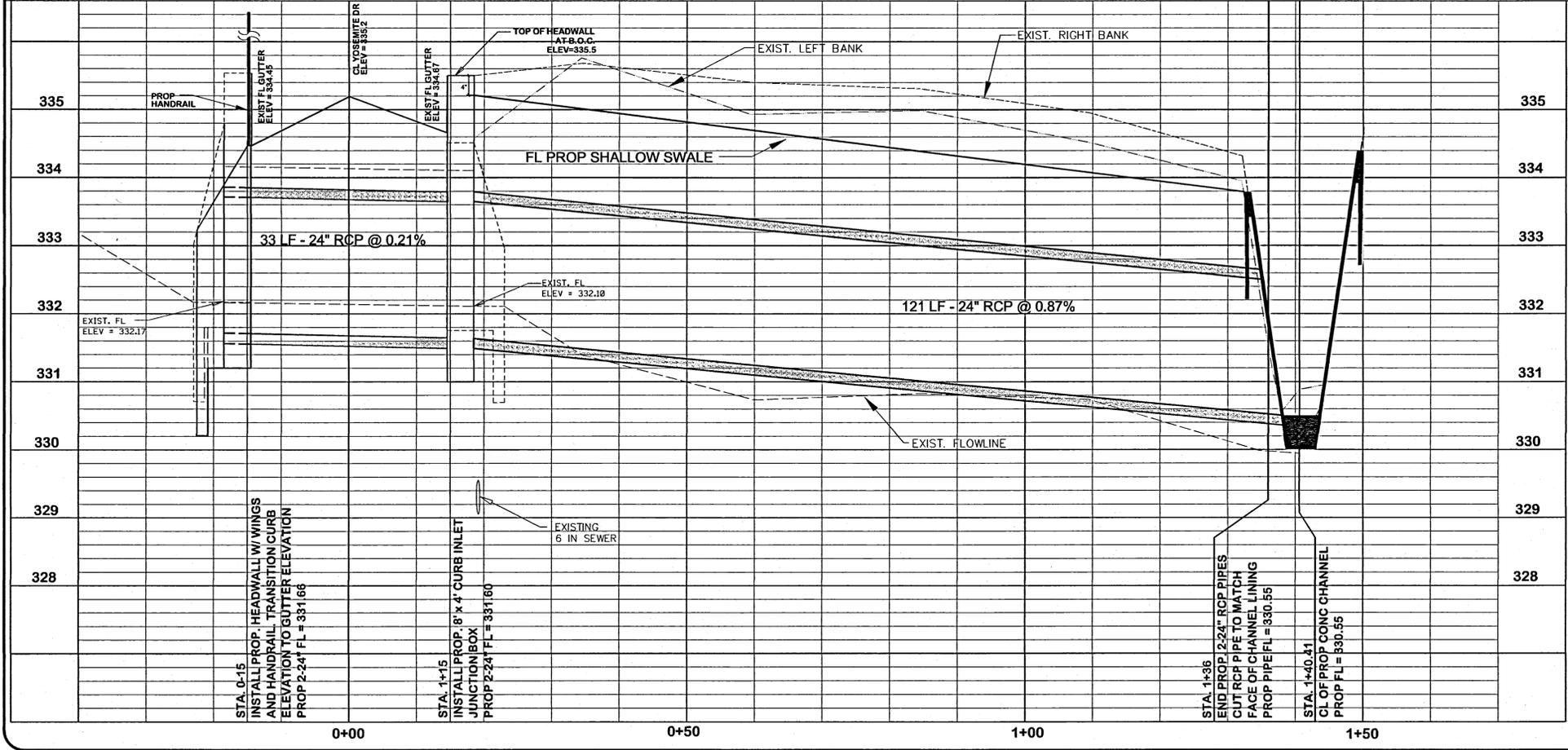
INLET DEPTH (FT) (MEASURED FROM FLOWLINE TO FINAL GRADE)	BASE THICKNESS
0-12.....	8"
12 AND OVER.....	12"
11. ALL DEPTHS GREATER THAN 12' WILL REQUIRE 2 MATS OF REINFORCING STEEL IN THE BASE.
12. ALL AREAS WHERE EXISTING VEGETATION AND GRASS COVER HAVE BEEN BARED BY CONSTRUCTION SHALL BE ADEQUATELY BLOCK SODDED OR HYDROMULCHED AND WATERED UNTIL GROWTH IS ESTABLISHED. IN DEVELOPED AREAS WHERE GRASS IS PRESENT, BLOCK SOD WILL BE REQUIRED.
13. APPROVED EROSION CONTROL MEASURES MUST BE INSTALLED DURING THE ENTIRE TIME THAT EARTH HAS BEEN BARED BY CONSTRUCTION AND SHALL STAY IN PLACE UNTIL ACCEPTABLE VEGETATIVE GROWTH IS ESTABLISHED AFTER CONSTRUCTION IS COMPLETE. EROSION CONTROL MEASURES SHALL THEN BE REMOVED BY THE CONTRACTOR.
14. REMOVAL OF CONCRETE DEBRIS FROM EXISTING CHANNEL SHALL BE SUBSIDIARY TO OTHER BID ITEMS.
15. USE EXISTING SOIL OR SELECT FILL AND COMPACT ACCORDING TO SPECIFICATION.
16. THE CONTRACTOR WILL ONLY BE ALLOWED TO WORK ON THIS PROJECT FROM 8:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY.
17. THE CONTRACTOR SHALL KEEP TRAVELED SURFACES USED IN HIS/HER HAULING OPERATION CLEAR AND FREE OF DIRT OR OTHER MATERIAL. THE USE OF EQUIPMENT WITH RUBBER TIRES WILL BE REQUIRED FOR MOVING DIRT AND OTHER MATERIALS ALONG OR ACROSS PAVED SURFACES.
18. THE CONTRACTOR SHALL PLAN HIS/HER WORK SEQUENCE IN A MANNER THAT WILL CAUSE THE MINIMUM INTERFERENCE WITH TRAFFIC DURING CONSTRUCTION OPERATIONS. BEFORE BEGINNING WORK ON THIS PROJECT, THE CONTRACTOR SHALL SUBMIT, FOR APPROVAL BY THE ENGINEER, A PLAN OF CONSTRUCTION OPERATIONS OUTLINING IN DETAIL A SEQUENCE OF WORK TO BE FOLLOWED, DESCRIBING THE METHOD OF HANDLING TRAFFIC ALONG, ACROSS, AND ADJACENT TO THE WORK.
18. CONTRACTOR SHALL NOTIFY RESIDENTS OF THE START OF CONSTRUCTION 48 HRS PRIOR TO WORK BEGINNING.





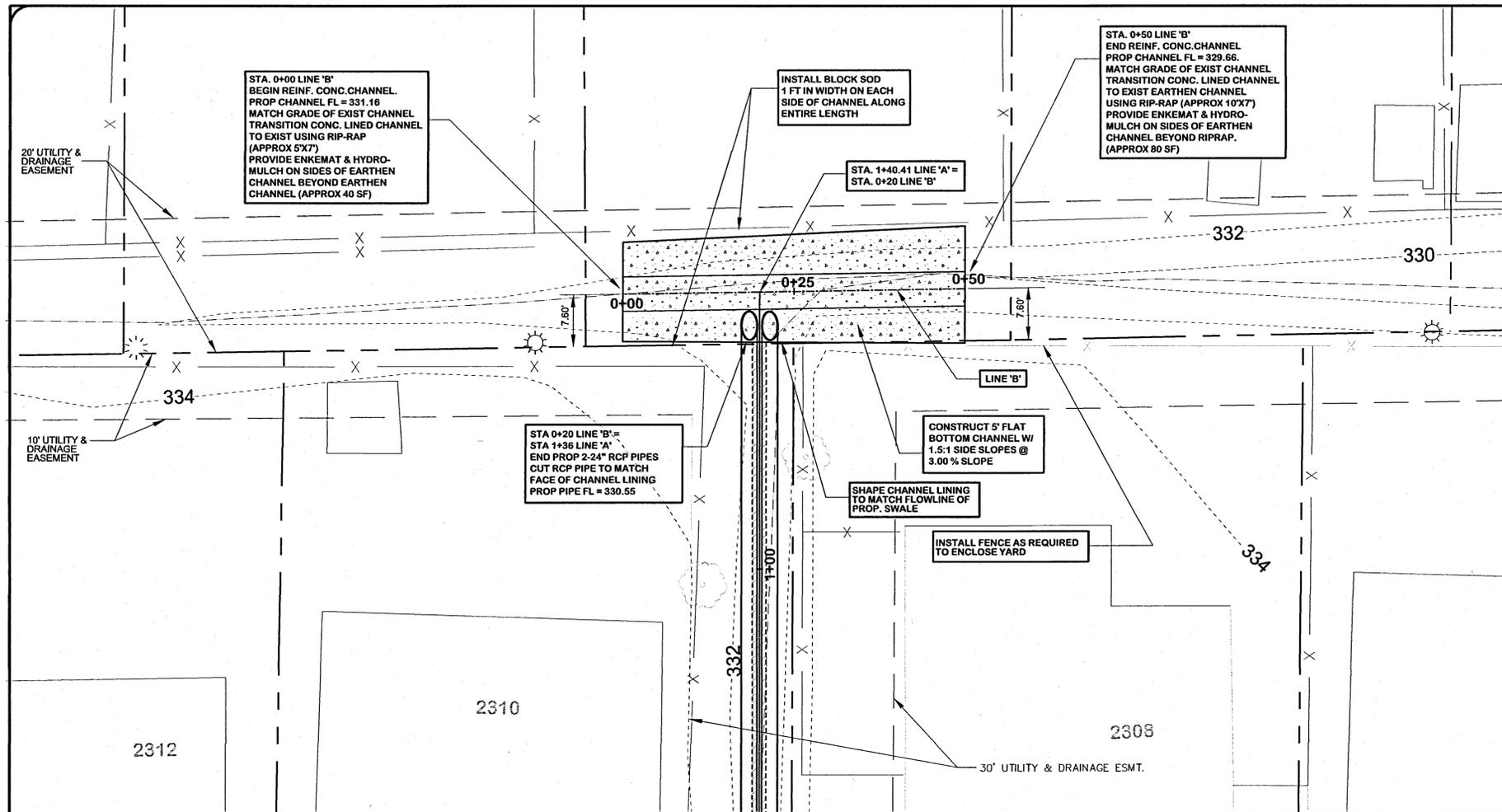
GENERAL NOTES

- ALL SHRUBS AND TREES TO BE REMOVED FROM EXISTING CHANNEL AS NECESSARY
- EXISTING STRUCTURE TO BE REMOVED WITH MINIMAL DISTURBANCE TO ROADWAY ON EITHER SIDE. MAXIMUM TRENCH WIDTH OF 15 FEET. EXIST PAVEMENT TO BE NEATLY SAW CUT.
- WHERE ADDITIONAL EMBANKMENT IS REQUIRED, FILL BETWEEN THE EXISTING ROADWAY AND WINGWALLS, OVER STORM SEWERS, AND BEHIND AND BENEATH CONCRETE LINED CHANNELS SHALL BE FREE FROM STONE OF SUCH SIZE AS TO INTERFERE WITH COMPACTION AND FREE FROM LARGE LUMPS WHICH WILL NOT BREAK DOWN READILY UNDER COMPACTION. FILL SHALL CONSIST OF LOW PLASTICITY (PI<15) SANDY CLAY OR CLAYEY SAND COMPACTED IN MAX. 6" THICKNESS LIFTS TO A DENSITY OF AT LEAST 90% MAXIMUM BASED ON ASTM D698 AT A MOISTURE CONTENT OF 2% OF OPTIMUM.
- NEW PAVEMENT SHALL CONFORM TO THE B/CS UNIFIED STANDARD SPECIFICATIONS AND DETAILS.
- INSTALL BLOCK SOD, MAXIMUM OF 230 SY ON DISTURBED SOIL TO ESTABLISH EROSION CONTROL.
- TRANSITION EXISTING SURFACE ELEVATIONS TO NEW CONCRETE STRUCTURES AS REQUIRED.



CONTRACTORS USE CAUTION: VERIFY ALL UTILITIES BEFORE DIGGING. DEPTHS ARE APPROXIMATE.

		YOSEMITE DR PLAN & PROFILE 1 - NS DITCH	
		DRAWN BY: C.L.M. DATE: 01/2015 APPR BY: B.S.W. SCALE: 1:10 H 1:1 V	PROJECT NO: 425-D1-1415
REV. DATE DESCRIPTION	SHEET 3 OF 9		



LEGEND

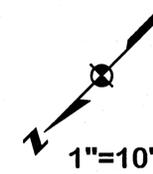
LOT LINE

PROPOSED

FENCE

EASEMENT

UTILITY POLE



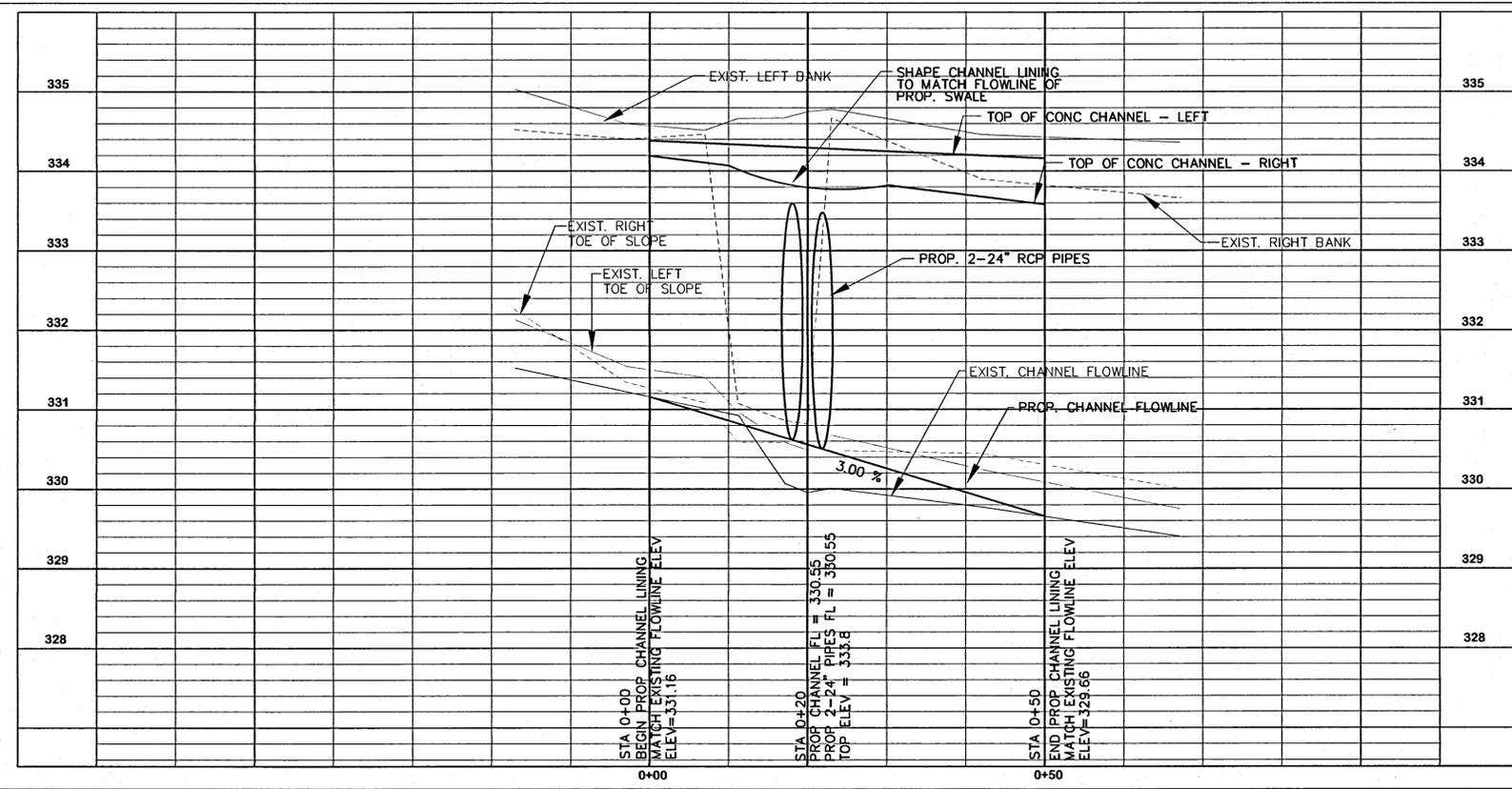
ALL SHRUBS AND TREES TO BE REMOVED FROM EXISTING CHANNEL AS NECESSARY

WHERE ADDITIONAL EMBANKMENT IS REQUIRED, FILL SHALL BE FREE FROM STONE OF SUCH SIZE AS TO INTERFERE WITH COMPACTION AND FREE FROM LARGE LUMPS WHICH WILL NOT BREAK DOWN READILY UNDER COMPACTION. FILL SHALL CONSIST OF LOW PLASTICITY (PI<15) SANDY CLAY OR CLAYEY SAND COMPACTED IN MAX. 6" THICKNESS LIFTS TO A DENSITY OF AT LEAST 90% MAXIMUM BASED ON ASTM D698 AT A MOISTURE CONTENT OF 2% OF OPTIMUM.

PROVIDE FILL AS REQUIRED TO ESTABLISH GRADE FOR CONCRETE LINED CHANNEL.

REMOVE AND REPLACE 6' WOOD PRIVACY FENCE OR 4' CHAIN LINK FENCE AS REQUIRED.

REMOVE TREES AS REQUIRED FOR INSTALLATION OF 24" RCP DRAINAGE PIPES.

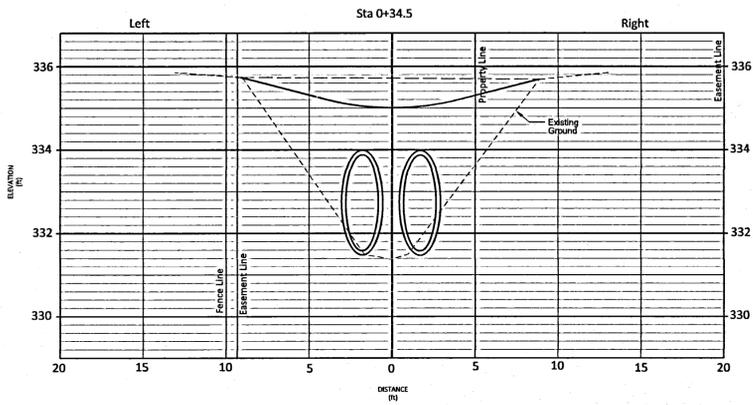
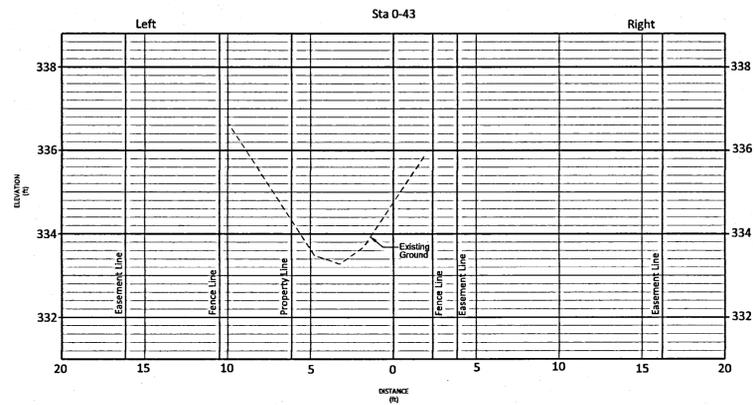
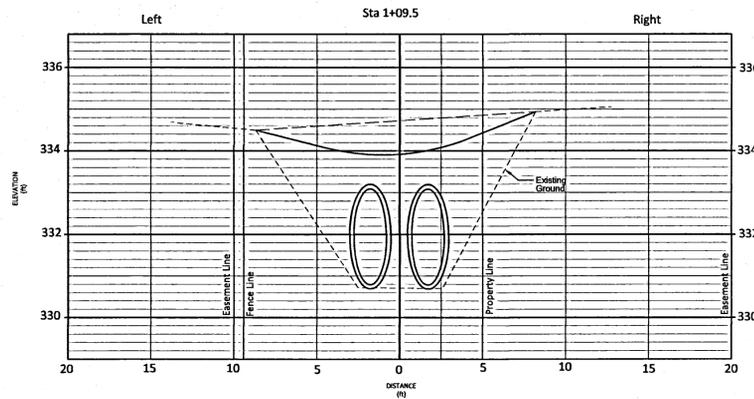
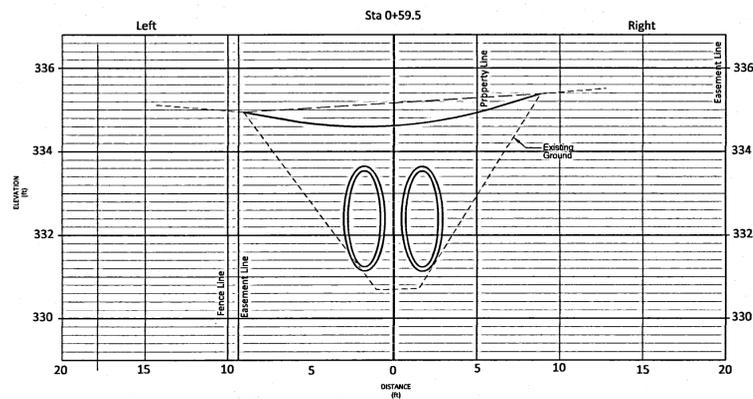
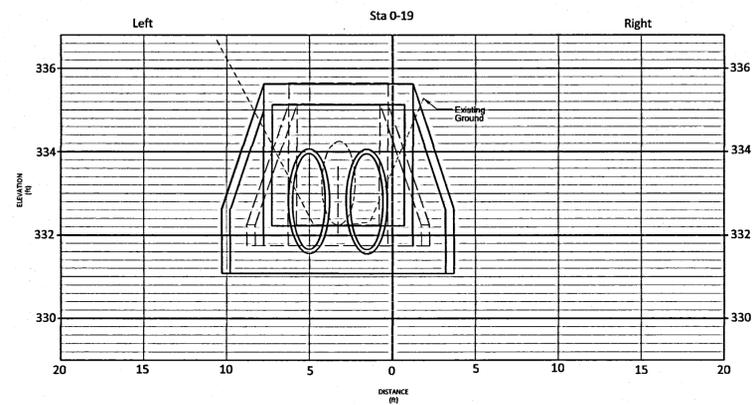
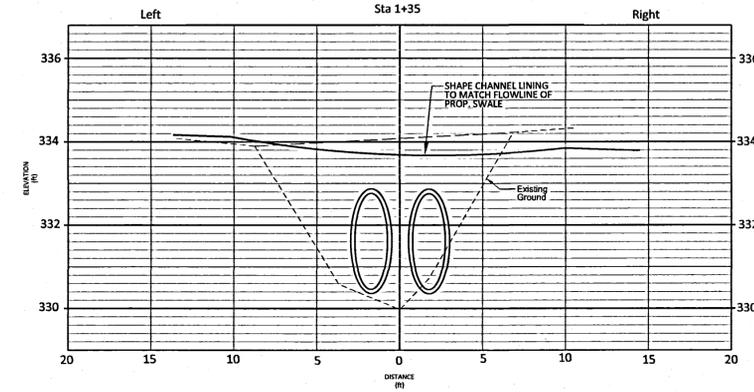
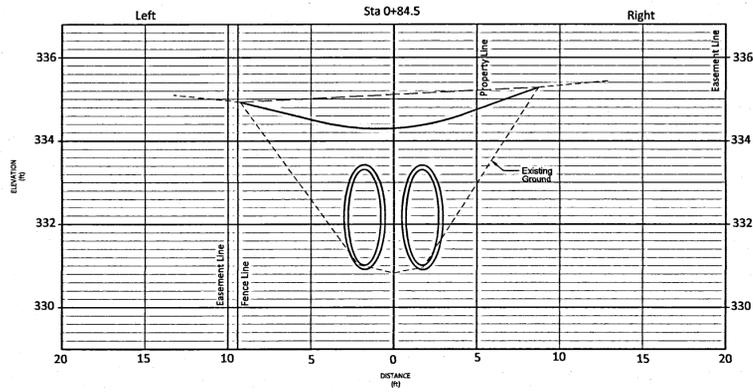
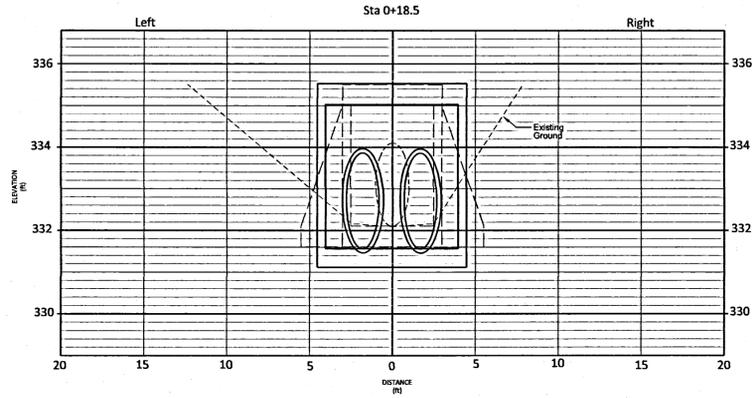


CONTRACTORS USE CAUTION: VERIFY ALL UTILITIES BEFORE DIGGING. DEPTHS ARE APPROXIMATE.

YOSEMITE DR
PLAN & PROFILE 2 - EW DITCH

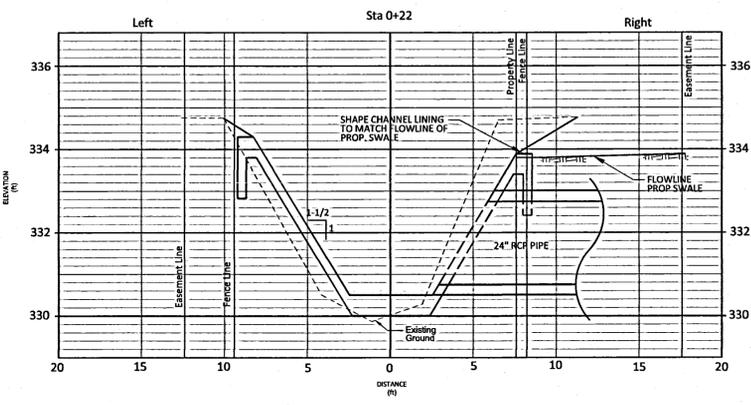
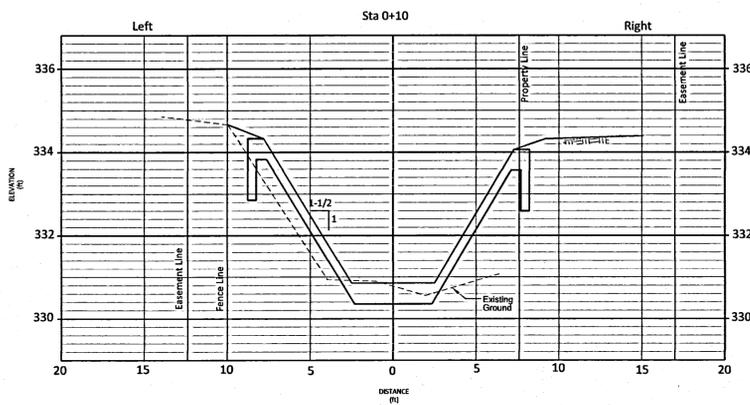
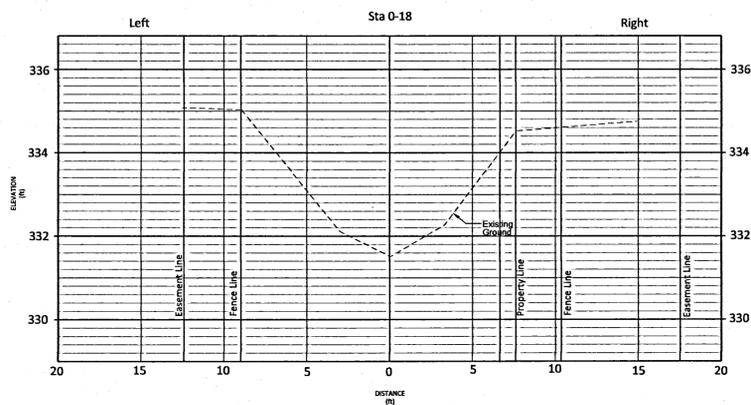
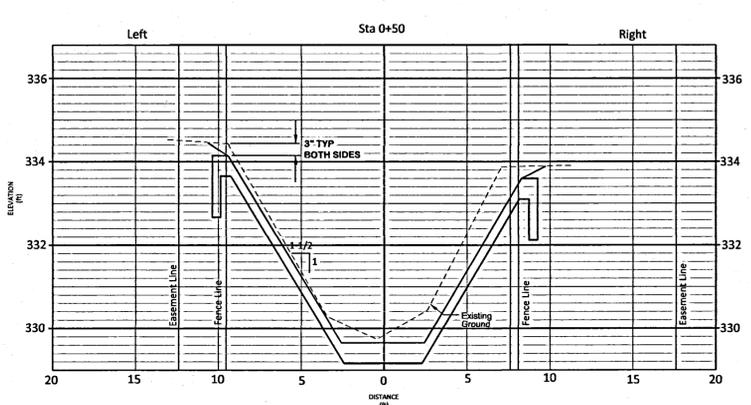
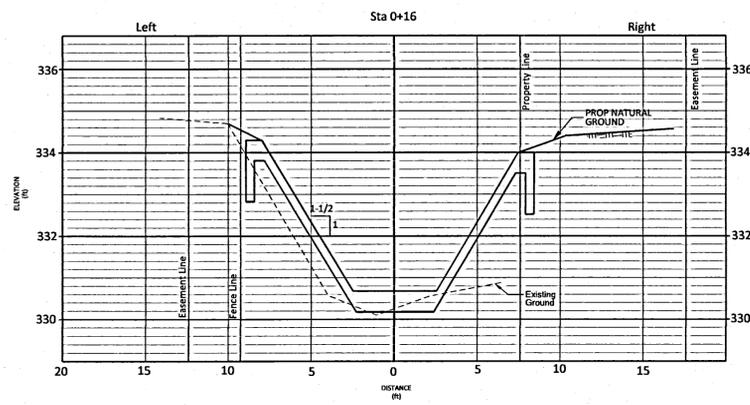
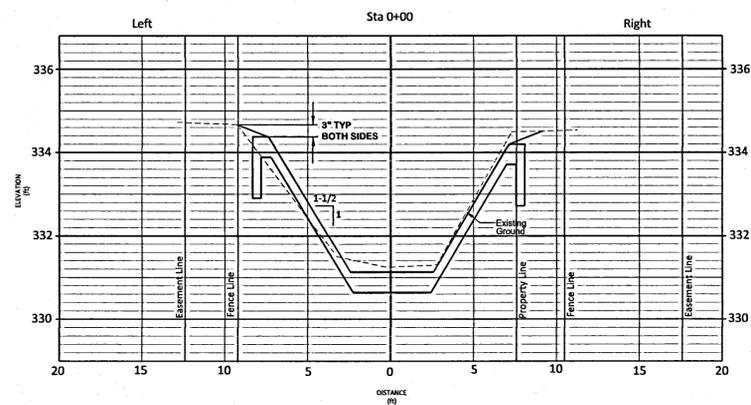
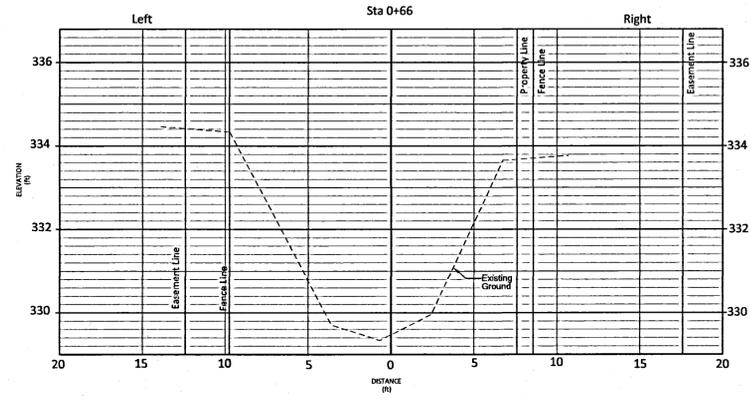
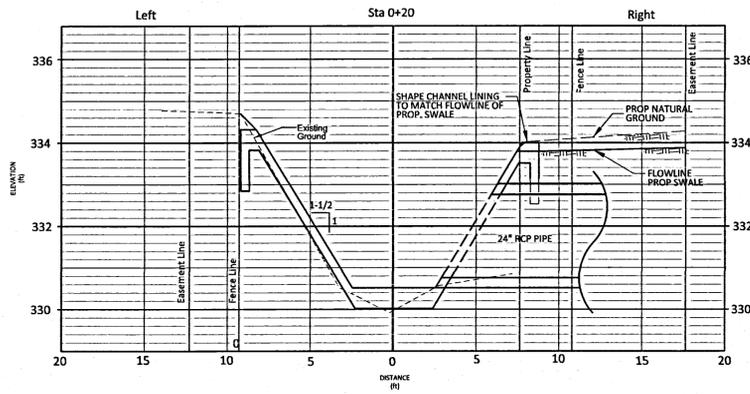
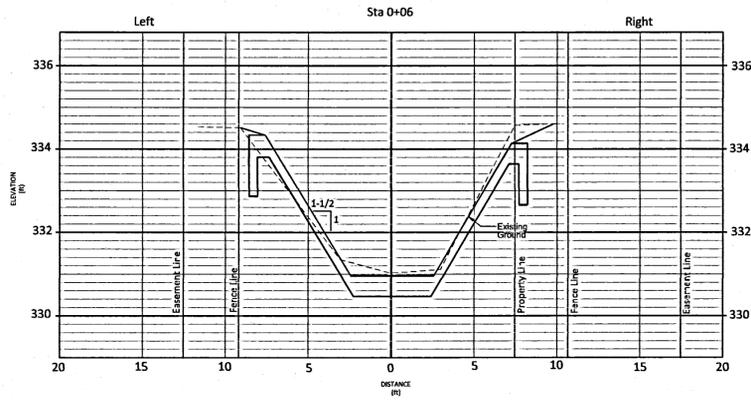
DRAWN BY: C.L.M.
DATE: 01/2015
APPR BY: B.S.W.
SCALE: 1:10 H
1:1 V
PROJECT NO: 425-D1-1415

REV. DATE DESCRIPTION SHEET
4 of 9

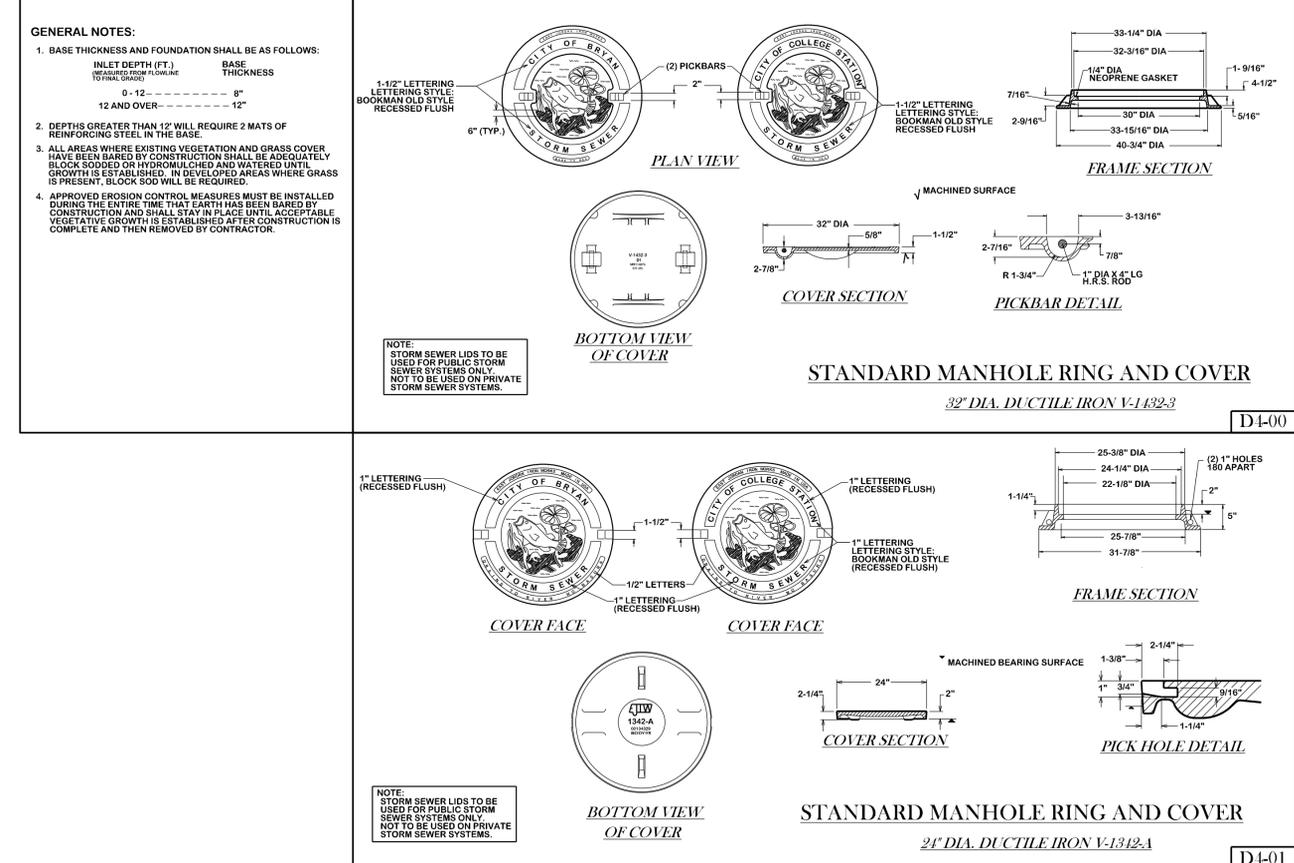
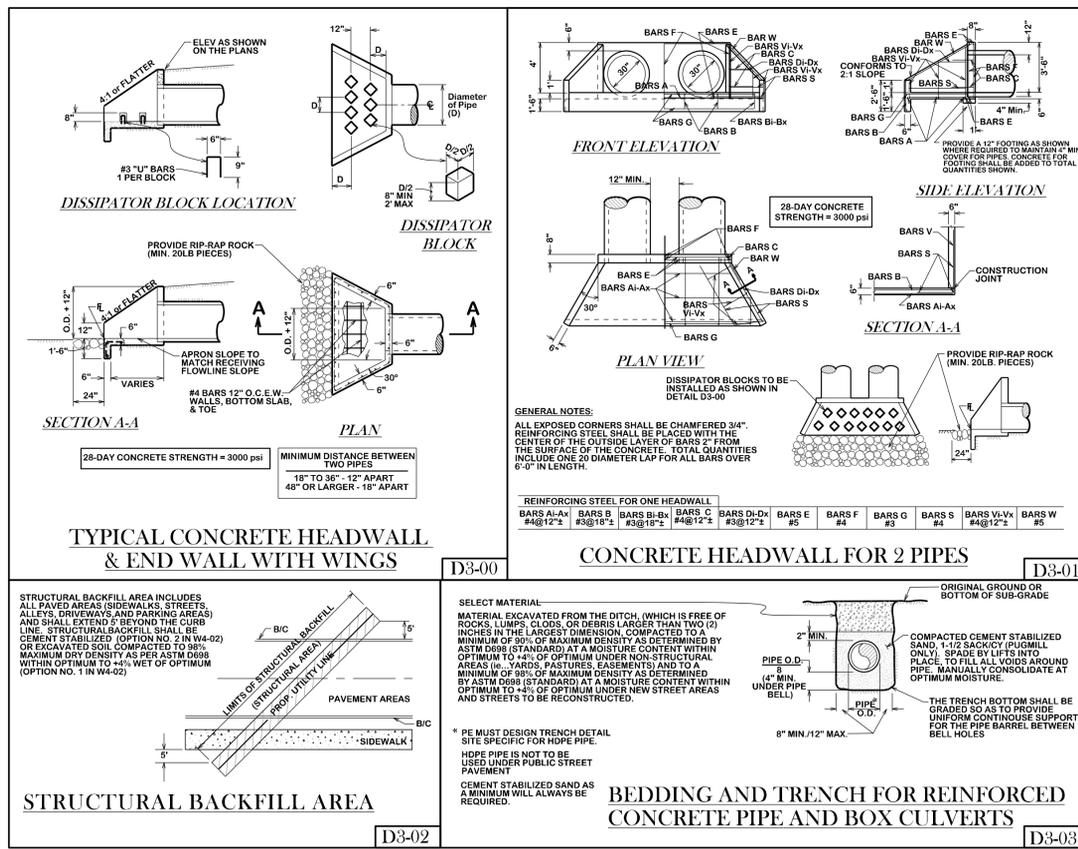
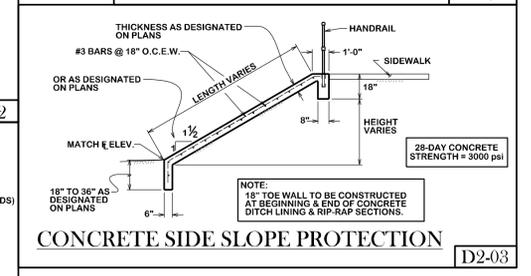
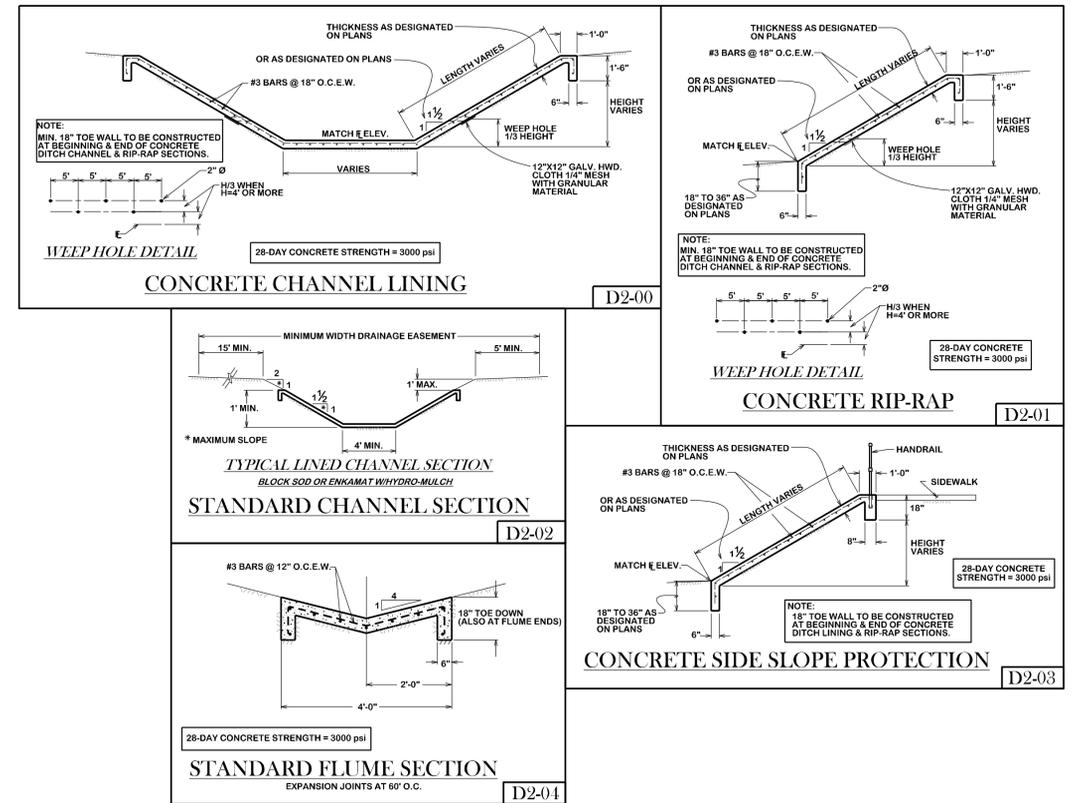
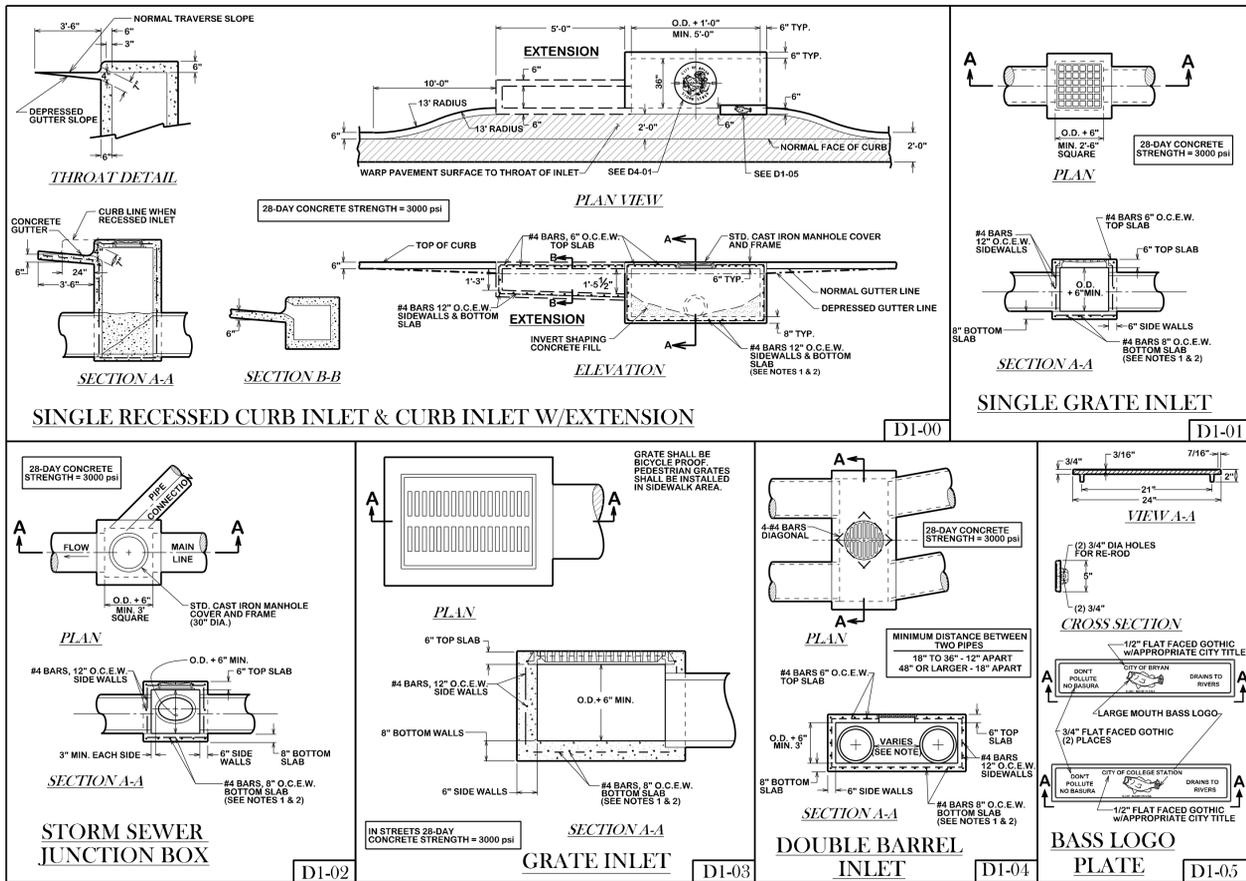


SMOOTHLY TRANSITION PROPOSED SWALE TO EXISTING GRADES AS INDICATED ON CROSS-SECTIONS. SHAPE TO DRAIN TO TOP EDGE OF DRAINAGE CHANNEL.

		YOSEMITE DR CROSS SECTIONS - NS DITCH	
		DRAWN BY: C.L.M. DATE: 01/2015 APPR BY: B.S.W. SCALE: 1:5 H 1:2 V PROJECT NO: 425-D1-1415	SHEET 5 OF 9
REV.	DATE	DESCRIPTION	



		YOSEMITE DR CROSS SECTIONS - EW DITCH	
		DRAWN BY: C.L.M. DATE: 01/2015 APPR BY: B.S.W. SCALE: 1:5 H 1:2 V PROJECT NO: 425-D1-1415	SHEET 6 OF 9
REV.	DATE	DESCRIPTION	

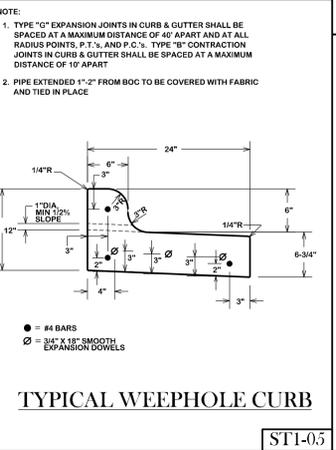
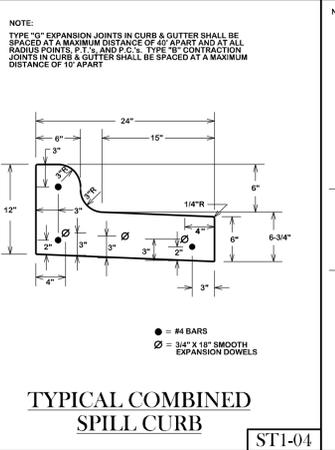
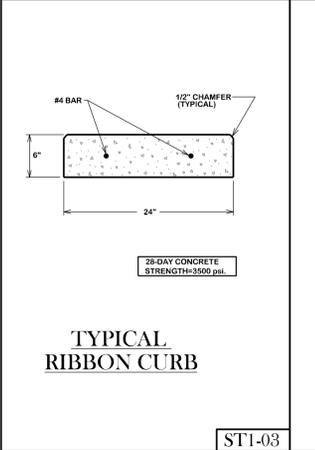
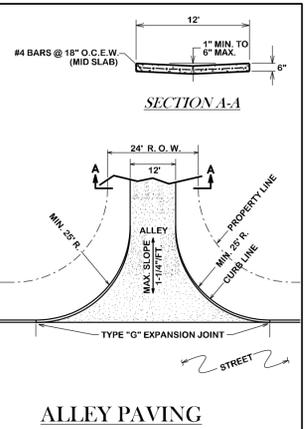
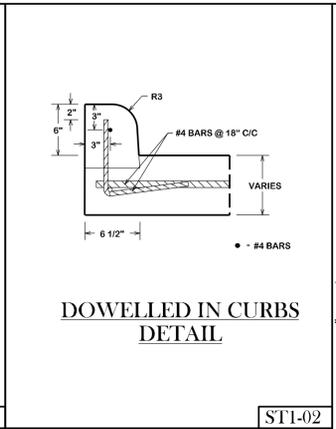
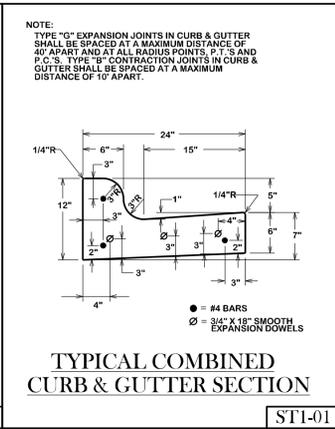
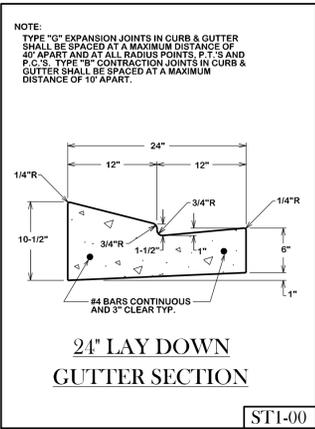


REVISIONS:

**BRYAN - COLLEGE STATION
 STANDARD DRAINAGE DETAILS**



DRAWN BY: C. L. M.
 DATE: 08-01-12
 SCALE: N T S
 APPROVED: W. P. K.



GENERAL NOTES:

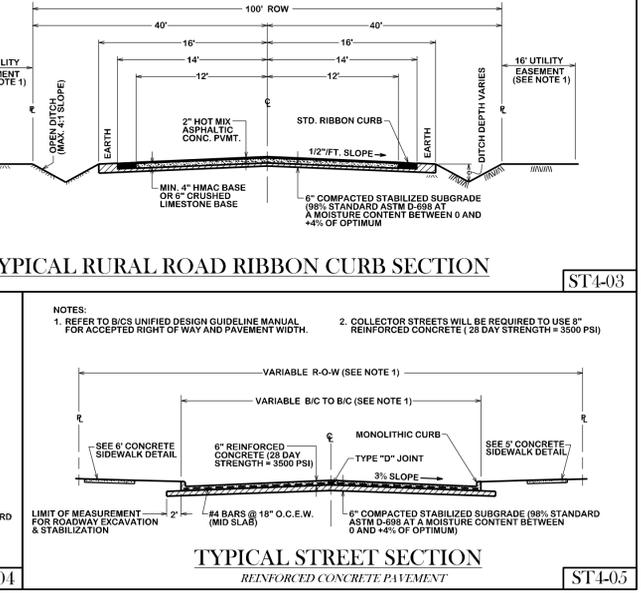
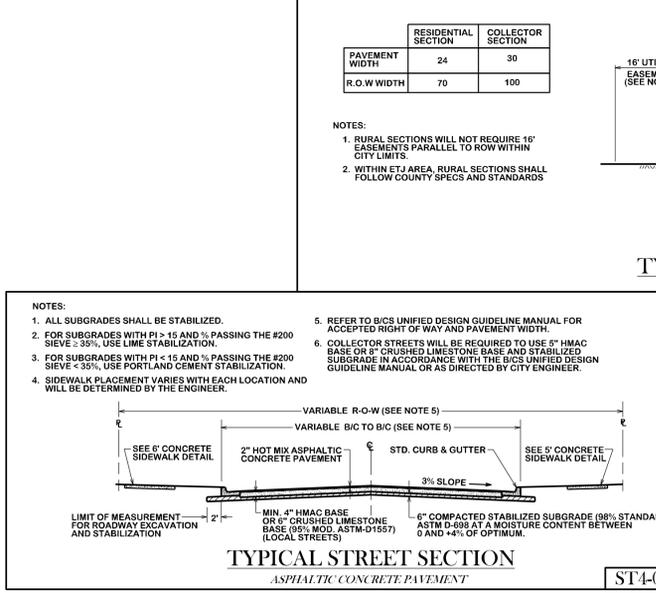
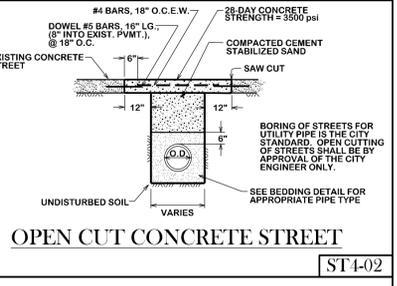
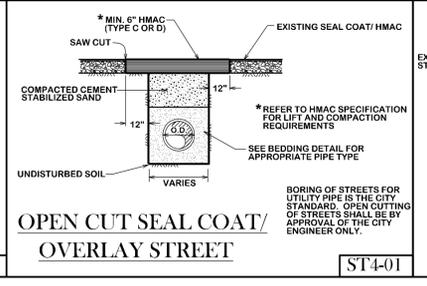
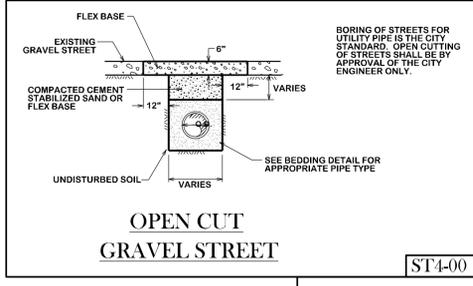
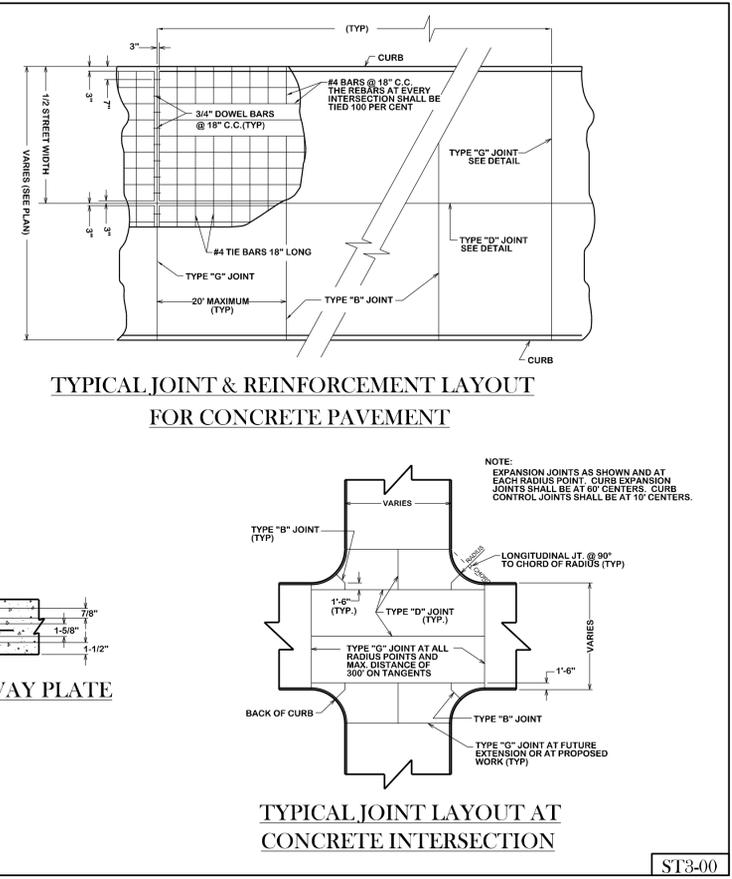
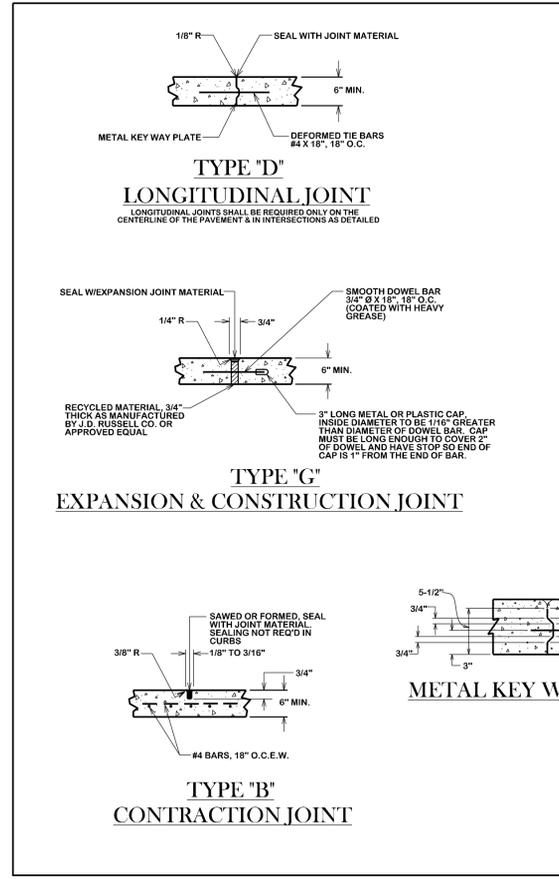
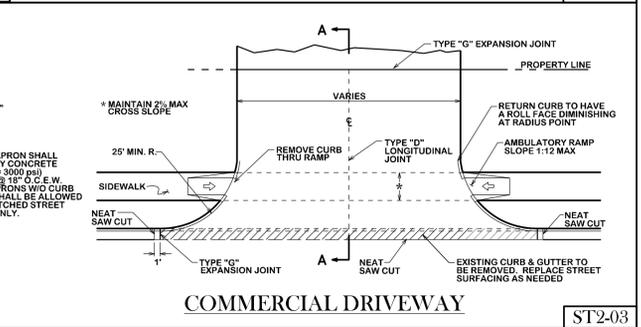
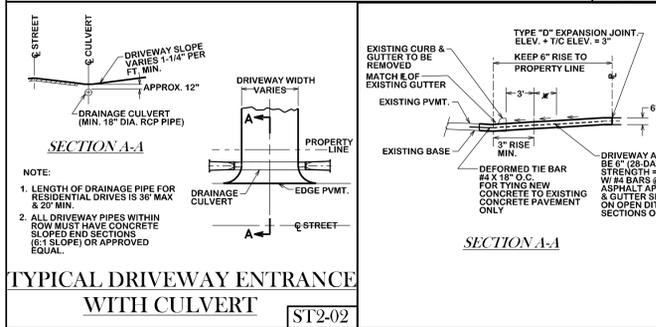
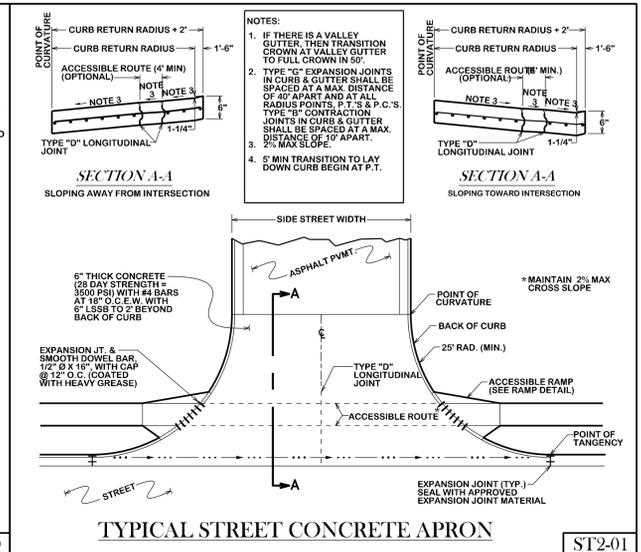
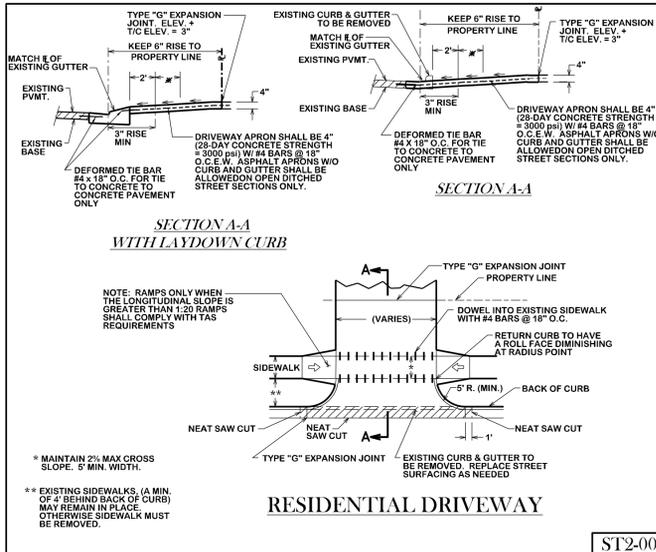
ALL AREAS WHERE EXISTING VEGETATION AND GRASS COVER HAVE BEEN BARED BY CONSTRUCTION SHALL BE ADEQUATELY BLOOM, SOODED OR HYDROSEEDED AND WATERED UNTIL GROWTH IS ESTABLISHED. IN DEVELOPED AREAS WHERE GRASS IS PRESENT, BLOCK SOO WILL BE REQUIRED. BARED AREAS SHALL BE SOODED OR SOODED WITHIN 14 CALENDAR DAYS OF LAST DISTURBANCE.

APPROVED EROSION CONTROL MEASURES MUST BE INSTALLED DURING THE ENTIRE TIME THAT EARTH HAS BEEN BARED BY CONSTRUCTION AND SHALL STAY IN PLACE UNTIL ACCEPTABLE VEGETATIVE GROWTH IS ESTABLISHED AFTER CONSTRUCTION IS COMPLETE AND THEN REMOVED BY CONTRACTOR.

ALL EROSION CONTROL MEASURES SHOULD BE CLEANED OF SILT AFTER EVERY RAIN.

ALL TRAFFIC SIGNALS AND APPURTENANCES, AND ALL PAVEMENT MARKINGS AND MARKERS SHALL BE IN ACCORDANCE WITH TxDOT STANDARDS.

REFER TO SPEC 31 17 23.23 (PAVEMENT MARKINGS) FOR ADDITIONAL LOCAL REQUIREMENTS.



REVISIONS:

BRYAN - COLLEGE STATION
STANDARD STREET DETAILS

CITY OF COLLEGE STATION

CITY OF BRYAN
The Good Life, Texas Style.

DRAWN BY: C.L.M.
DATE: 08-01-12
SCALE: N T S
APPROVED: W.P.K.
FIGURE: ST
SHEET 1 OF 1

