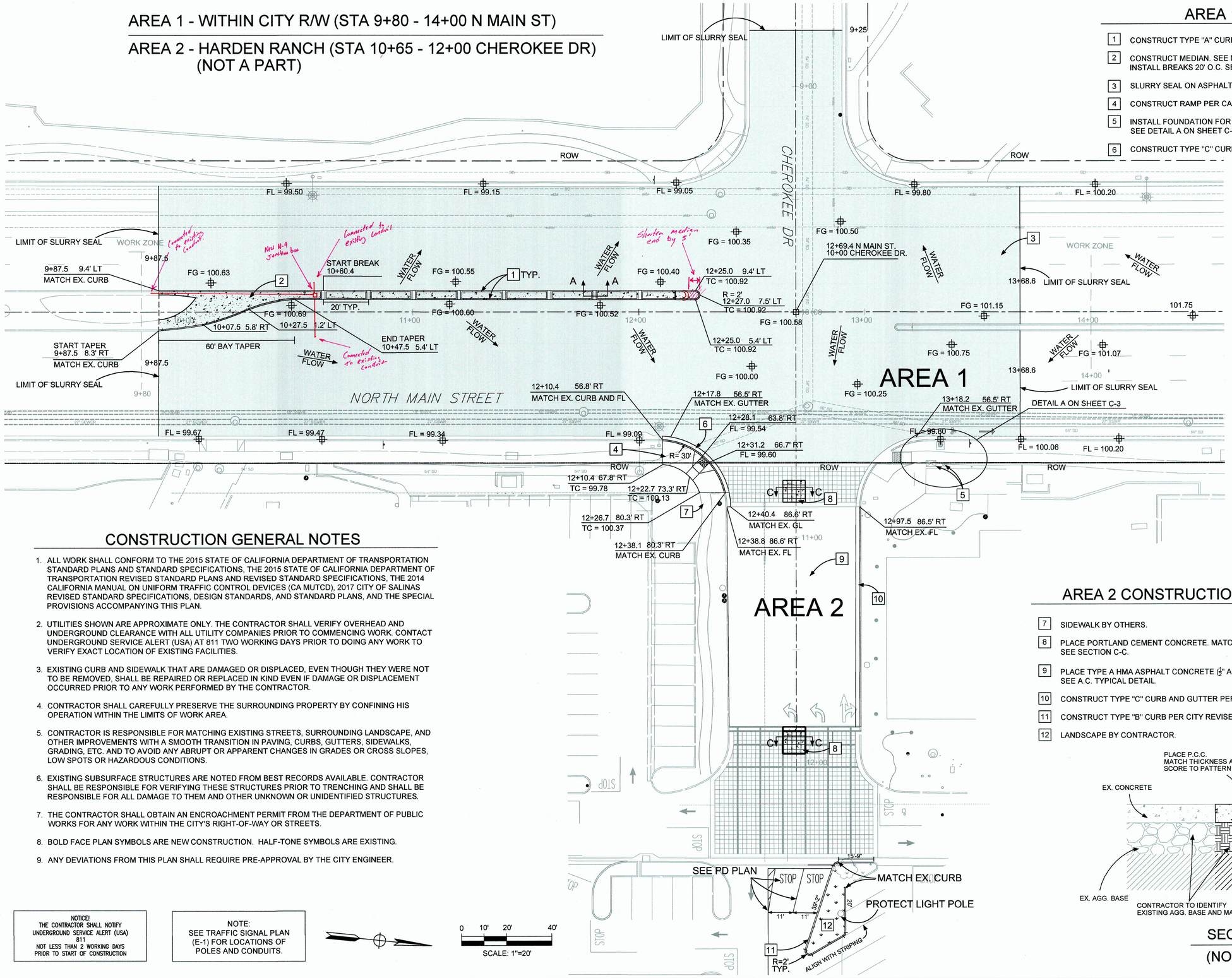
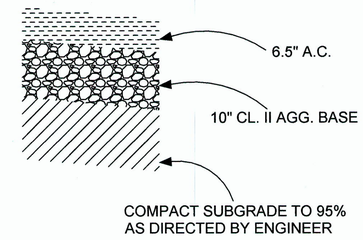
AREA 1 - WITHIN CITY R/W (STA 9+80 - 14+00 N MAIN ST)

AREA 2 - HARDEN RANCH (STA 10+65 - 12+00 CHEROKEE DR) (NOT A PART)



AREA 1 CONSTRUCTION NOTES

1. CONSTRUCT TYPE "A" CURB PER CITY REVISED STANDARD PLAN 1.
2. CONSTRUCT MEDIAN. SEE MEDIAN DETAIL ON SHEET C-3. INSTALL BREAKS 20' O.C. SEE SECTION A-A ON SHEET C-3.
3. SLURRY SEAL ON ASPHALT CONCRETE PAVEMENT. SLURRY SEAL AREA.
4. CONSTRUCT RAMP PER CASE A AND DETAIL B OF CALTRANS REVISED STANDARD RSP PLAN A88A.
5. INSTALL FOUNDATION FOR CONTROLLER AND SERVICE PEDESTAL. SEE DETAIL A ON SHEET C-3.3
6. CONSTRUCT TYPE "C" CURB AND GUTTER PER CITY REVISED STANDARD PLAN 1.



A.C. TYPICAL DETAIL

(NOT A PART)

CONSTRUCTION GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE 2015 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS, THE 2015 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION REVISED STANDARD PLANS AND REVISED STANDARD SPECIFICATIONS, THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), 2017 CITY OF SALINAS REVISED STANDARD SPECIFICATIONS, DESIGN STANDARDS, AND STANDARD PLANS, AND THE SPECIAL PROVISIONS ACCOMPANYING THIS PLAN.
2. UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY OVERHEAD AND UNDERGROUND CLEARANCE WITH ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK. CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 TWO WORKING DAYS PRIOR TO DOING ANY WORK TO VERIFY EXACT LOCATION OF EXISTING FACILITIES.
3. EXISTING CURB AND SIDEWALK THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED IN KIND EVEN IF DAMAGE OR DISPLACEMENT OCCURRED PRIOR TO ANY WORK PERFORMED BY THE CONTRACTOR.
4. CONTRACTOR SHALL CAREFULLY PRESERVE THE SURROUNDING PROPERTY BY CONFINING HIS OPERATION WITHIN THE LIMITS OF WORK AREA.
5. CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE, AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADING, ETC. AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
6. EXISTING SUBSURFACE STRUCTURES ARE NOTED FROM BEST RECORDS AVAILABLE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THESE STRUCTURES PRIOR TO TRENCHING AND SHALL BE RESPONSIBLE FOR ALL DAMAGE TO THEM AND OTHER UNKNOWN OR UNIDENTIFIED STRUCTURES.
7. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS FOR ANY WORK WITHIN THE CITY'S RIGHT-OF-WAY OR STREETS.
8. BOLD FACE PLAN SYMBOLS ARE NEW CONSTRUCTION. HALF-TONE SYMBOLS ARE EXISTING.
9. ANY DEVIATIONS FROM THIS PLAN SHALL REQUIRE PRE-APPROVAL BY THE CITY ENGINEER.

NOTICE!
THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) 811 NOT LESS THAN 2 WORKING DAYS PRIOR TO START OF CONSTRUCTION

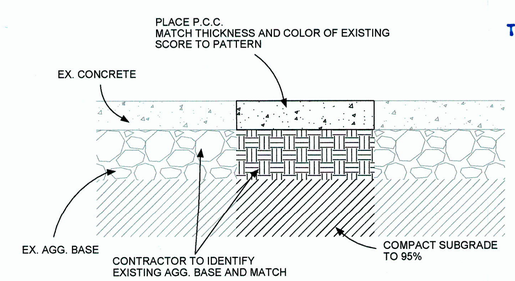
NOTE:
SEE TRAFFIC SIGNAL PLAN (E-1) FOR LOCATIONS OF POLES AND CONDUITS.

0 10' 20' 40'
SCALE: 1"=20'

AREA 2 CONSTRUCTION NOTES (NOT A PART)

7. SIDEWALK BY OTHERS.
8. PLACE PORTLAND CEMENT CONCRETE. MATCH EXISTING CONCRETE PATTERN. SEE SECTION C-C.
9. PLACE TYPE A HMA ASPHALT CONCRETE (½" AGGREGATE) AND CLASS II AGGREGATE BASE. SEE A.C. TYPICAL DETAIL.
10. CONSTRUCT TYPE "C" CURB AND GUTTER PER CITY REVISED STANDARD PLAN 1.
11. CONSTRUCT TYPE "B" CURB PER CITY REVISED STANDARD PLAN 1.
12. LANDSCAPE BY CONTRACTOR.

AS BUILT
N. Bares
THE DON CHAPIN COMPANY
7/12/21



SECTION C-C

(NOT A PART)

CITY OF SALINAS
APPROVED
SET
Adriana Robles
Accepted by
6/15/2020
Date
DEVELOPMENT ENGINEERING

C-2

CITY OF SALINAS PUBLIC WORKS DEPARTMENT	PREPARED BY: ASSOCIATED TRANSPORTATION ENGINEERS, 100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 (805)687-4418 Job 18011 R.C.E. 18030 DATE 09/05/20	DESIGNED BY: JH CAD BY: JH PROJECT ENGINEER: RLP	REVIEWED BY: DATE ANDREW EASTERLING, P.E. TRAFFIC ENGINEER	REVIEWED BY: DATE DAVID JACOBS, P.E., L.S. PUBLIC WORKS DIRECTOR	DATE / REVISION / APP.	NORTH MAIN ST./ CHEROKEE DR. HARDEN PLAZA CONSTRUCTION PLAN	PROJ. NO(S) / SHEET NO. 3 / FILE NO. / OF 6

TRAFFIC SIGNAL GENERAL NOTES

1. ALL SIGNAL AND LIGHTING WORK SHALL CONFORM TO THE 2015 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS, THE 2015 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION REVISED STANDARD PLANS AND REVISED STANDARD SPECIFICATIONS, THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), 2017 CITY OF SALINAS REVISED STANDARD PLANS, AND THE SPECIAL PROVISIONS ACCOMPANYING THIS PLAN.
2. UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY OVERHEAD AND UNDERGROUND CLEARANCE WITH ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK. CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 TWO WORKING DAYS PRIOR TO DOING ANY WORK TO VERIFY EXACT LOCATION OF EXISTING FACILITIES.
3. THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT TO BE INSTALLED BY THE CONTRACTOR SHALL BE APPROVED BY THE ENGINEER PRIOR TO FINAL PLACEMENT.
4. NEW CONDUIT SHALL BE "TYPE 3", 4" RIGID NON-METALLIC.
5. ALL NEW VEHICULAR SIGNAL HEADS SHALL BE 12" WITH TUNNEL VISORS AND BACKPLATES. PEDESTRIAN SIGNALS SHALL BE THE LED COUNTDOWN TYPE.
6. BOLD FACE PLAN SYMBOLS ARE NEW CONSTRUCTION. HALF-TONE SYMBOLS ARE EXISTING.
7. ANY DEVIATIONS FROM THIS PLAN SHALL REQUIRE APPROVAL BY THE ENGINEER.
8. CONTRACTOR SHALL PROVIDE AND INSTALL PEDESTRIAN SIGNAL HEADS LED COUNTDOWN TYPE. PEDESTRIAN PUSH-BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS (APS).

POLE & EQUIPMENT SCHEDULE

LOC	STANDARDS TYPE	STANDARDS SIG. M.A.	STANDARDS L.M.A.	VEH. SIG. MTG. M.A.	VEH. SIG. MTG. POLE	PED. SIG. MOUNTING	PPB Ø	PPB ARROW	PPB QUAD.	LED LUMINAIRE	IISNS LEGEND FRONT	IISNS LEGEND BACK	LOCATION(*) A	LOCATION(*) B	LOCATION(*) C	REMARKS
Ⓐ	61-5-100	60' F_1=20', F_2=12'	15'	3-MAS	SV-1-T	SP-1-T	6	→	E	154 W	← Cherokee Dr Harden Plaza →	Cherokee Dr → ← Harden Plaza	8.8'	-	3.8'	4 7 8
Ⓑ	1-A-10'	-	-	-	TV-1-T	SP-1-T	-	-	-	-	-		11.3'	-	4.3'	
Ⓒ	19-4-100	30', F_1=12'	15'	2-MAS	SV-1-T	-	2	←	E	154 W	N MAIN ST		11.8'	-	7.1'	4 7 9
Ⓓ	1-A-10'	-	-	-	TV-1-T	SP-1-T	2	→	E	-	-		9.9'	-	8.1'	
Ⓔ	61-5-100	65' F_1=20', F_2=12'	15'	3-MAS	SV-1-T	SP-1-T	8	←	N	154 W	Cherokee Dr → ← Harden Plaza	← Cherokee Dr Harden Plaza →	10.6'	-	9.0'	4 7 8
Ⓕ	PPB POST	-	-	-	-	-	8	→	N	-	-		14.3'	-	4.8'	
Ⓖ	19-3-100	30'	15'	MAS	SV-1-T	SP-1-T	6	←	W	154 W	N Main St		13.0'	-	5.7'	4 7
Ⓗ	1-A-10'	-	-	-	TV-1-T	SP-1-T	-	-	-	-	-		3.4'	-	3.6'	

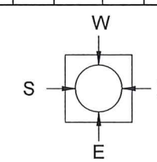
NOTES:
ALL EQUIPMENT IS NEW (N).

CONDUIT AND CONDUCTOR SCHEDULE

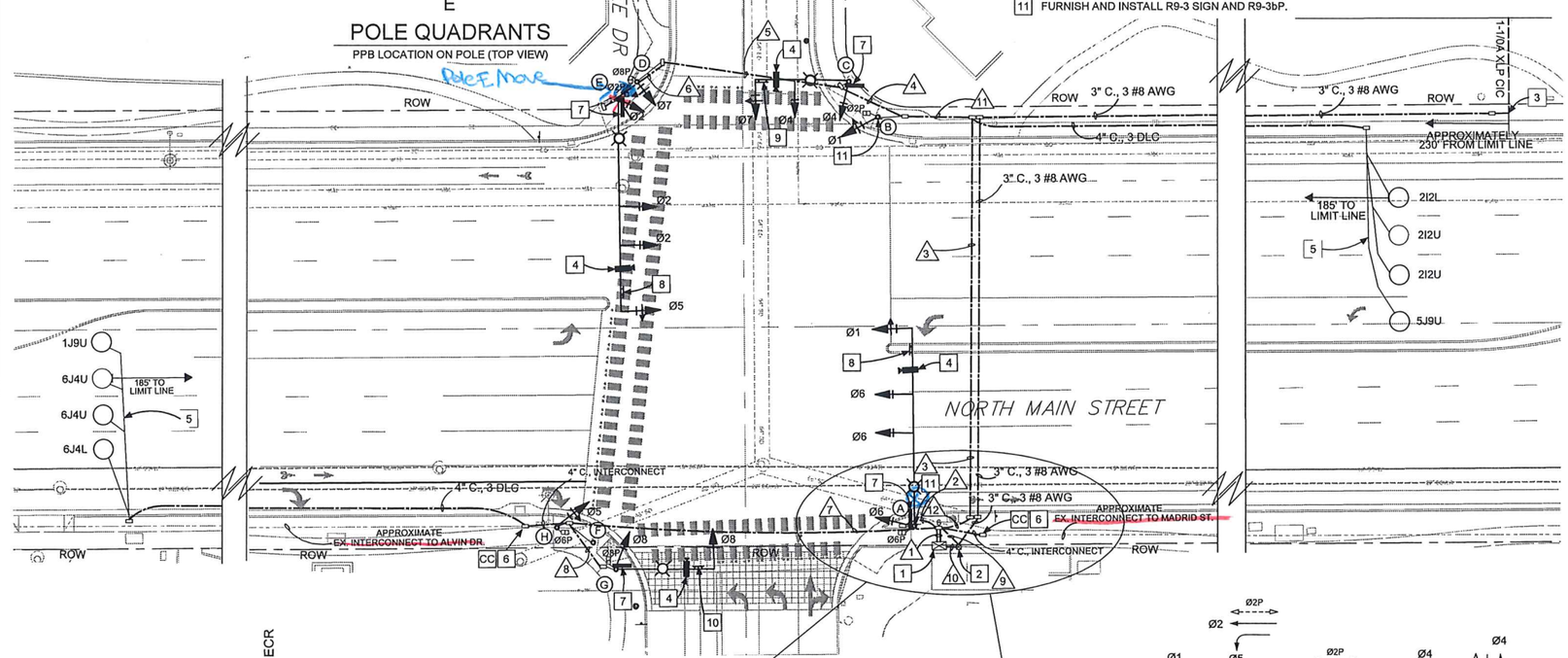
AWG or CABLE	CONDUCTOR RUN	1	2	3	4	5	6	7	8	9	10	11	12
	CONDUIT	2-4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
#14 AWG	Ø1 SIGNALS	6	3	3								3	3
	Ø2 "	3		3	3	3	3					3	3
	Ø4 "	3		3	3							3	3
	Ø5 "	6		3	3	3	3	3				3	3
	Ø6 "	3	3										
	Ø7 "	6		6	6	3						6	6
	Ø8 "	3						3	3				
	Ø2P SIGNALS	4		4	2	2	2					4	4
	Ø6P "	4	2					2					
	Ø8P "	4		2	2	2		2	2			2	2
	Ø2 PPB	2		2	2	1						2	2
	Ø6 "	2	1					1	1				
	Ø8 "	2		1	1	1	1	1				1	1
	PPB COMMON	1	1	1	1	1	1	1	1			1	1
	SPARES	6	3	3	3	3	3	3	3			3	3
	TOTAL #14	55	10	31	26	19	13	16	10			31	31
#10 AWG	SIGNAL COMMON		1	1	1	1	1	1	1	1		1	1
	LUMINAIRES		2	2	2	2	2	2	2	6		2	2
	TOTAL #10		3	3	3	3	3	3	3	7		3	3
DLC	Ø1	1						1					
	Ø2	2		2									2
	Ø5	1		1									1
	Ø6	2						2					
	DLC TOTAL	6		3				3					3
6 PR #19 AWG	SIGNAL INTERCONNECT	1						1					
#2 AWG	SERVICE										2		
CABLE	VIDEO CAMERA	4	2	2	2	2	2	2	2			2	2
3 CSC	VIDEO POWER	2	1	1	1	1	1	1	1			1	1
% FILL		10.7%	4.5%	11.3%	7.1%	6.0%	5.0%	10.3%	4.5%	1.7%	2.3%	7.9%	11.3%

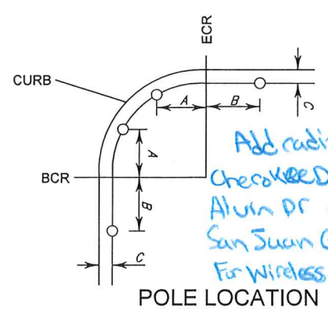
CONSTRUCTION NOTES

1. FURNISH AND INSTALL 2003 NEMA TS2-2, SP STYLE WESTERN SYSTEMS PART #3015010500 CABINET ASSEMBLY PER SPECIAL PROVISIONS. INSTALL BATTERY BACK UP SYSTEM COMPLETE.
2. FURNISH AND INSTALL TYPE III-AF SERVICE PEDESTAL PER RSP ES-2D. COORDINATE SERVICE CONNECTION WITH PG&E REPRESENTATIVE.
3. SERVICE POINT LOCATED APPROXIMATELY 230 FEET FROM LIMIT LINE. VERIFY WITH PG&E.
4. FURNISH AND INSTALL RHYTHM INSYNC VIDEO CAMERA WITH ADAPTIVE SYSTEM PER SPECIAL PROVISIONS ON MAST ARM PER MANUFACTURER'S SPECIFICATION. VIDEO DETECTION ZONES SHALL BE DETERMINED BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR INSTALLATION AND SPECIFICATIONS.
5. INSTALL TYPE E LOOP DETECTORS CENTERED IN LANES PER RSP ES-5B.
6. CONTRACTOR TO LOCATE AND INTERCEPT EX. INTERCONNECT CONDUIT, CONTINUOUS BETWEEN CONTROLLERS. INSTALL PULL BOX OVER IT AND CONNECT TO INDICATED PULL BOX. NO SPLICES ALLOWED. REPLACE DAMAGED CONDUIT AS NECESSARY. SEE SPECIAL PROVISIONS.
7. FURNISH AND INSTALL ILLUMINATED STREET NAME SIGN ON SIGNAL POLE WITH VALMONT IISNS SUPPORT ARM 5-22. LEGEND SHALL BE AS SHOWN ON POLE AND EQUIPMENT SCHEDULE.
8. FURNISH AND INSTALL R73-2 (CA) SIGN.
9. FURNISH AND INSTALL R61-17 (CA) SIGN.
10. FURNISH AND INSTALL R10-12 (CA) SIGN.
11. FURNISH AND INSTALL R9-3 SIGN AND R9-3bP.



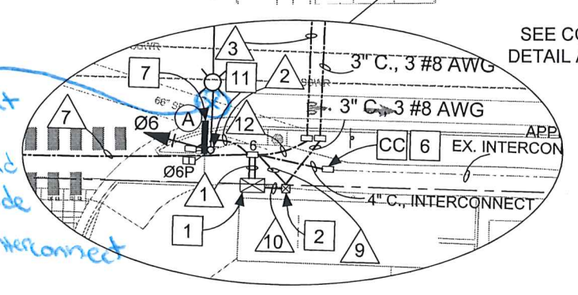
POLE QUADRANTS
PPB LOCATION ON POLE (TOP VIEW)



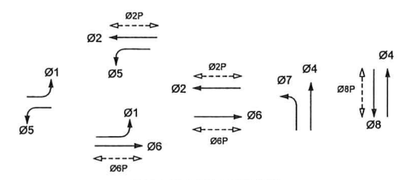


POLE LOCATION

Add radio at Cherokee Dr, Alvin Dr and San Juan Grade For Wireless Interconnect



SEE CONSTRUCTION DETAIL A ON SHEET C-3



PHASE DIAGRAM

NOTICE!
THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) 811
NOT LESS THAN 2 WORKING DAYS PRIOR TO START OF CONSTRUCTION

0' 10' 20' 40'
SCALE: 1"=20'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

CITY OF SALINAS APPROVED SET Accepted by 6/15/2020 Date

E-1

CITY OF SALINAS
PUBLIC WORKS DEPARTMENT

PREPARED BY: ASSOCIATED TRANSPORTATION ENGINEERS, 100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 - (805)687-4418 — Job 18011 — R.C.E. 18030 DATE 06/05/20

DESIGNED BY: JH — CAD BY: JH — PROJECT ENGINEER: RLP

REVIEWED BY: DATE — ANDREW EASTERLING, P.E., TRAFFIC ENGINEER

REVIEWED BY: DATE — DAVID JACOBS, P.E., L.S., PUBLIC WORKS DIRECTOR

DATE	REVISION	APP.

NORTH MAIN ST./ CHEROKEE DR. HARDEN PLAZA
TRAFFIC SIGNAL PLAN

PROJ. NO(S) — FILE NO. — SHEET NO. 5 OF 6