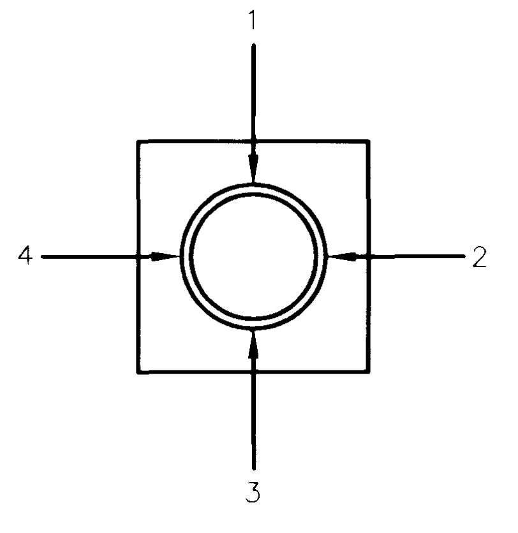
CONSTRUCTION NOTES

- ① REMOVE AND SALVAGE STOP SIGN(S) (R1–1).
- ② 24–INCH STOP BAR (COLD POLYMER FILM – 3M N440 OR APPROVED EQUIVALENT).
- ③ REMOVE EXISTING STRIPING BY SAND BLASTING OR GRINDING (ANY OTHER METHOD SHALL BE APPROVED BY THE ENGINEER).
- ④ REMOVE AND SALVAGE STREET LIGHT. REMOVE EXISTING FOUNDATION TO REQUIRED DEPTH TO ALLOW CONNECTIONS OF EXISTING CONDUITS. INSTALL NO. 3 1/2 PULLBOX FOR CONDUIT CONNECTIONS (SEE NOTE 11).
- ⑤ CROSSWALK MARKINGS PER SUMMERLIN STD. DWG. NO. S–78 (COLD POLYMER FILM – 3M N440 OR APPROVED EQUIVALENT).
- ⑥ DROP LANE LINE (STD. DWG. NO. 246A)
- ⑦ WHITE PAVEMENT ARROW (COLD POLYMER FILM – 3M N440 OR APPROVED EQUIVALENT).
- ⑧ 4–INCH SOLID YELLOW LINE (PAINT)
- ⑨ INSTALL SIGN(S).

STREET NAME AND BLOCK NUMBER SIGN TABLE

POLE	LEGEND	WIDTH/TYPE	BLOCK #
Ⓐ	TOWN CENTER	8–FOOT SINGLE FACED	N 1400
Ⓑ	––	––	W 9600
Ⓓ	NO SIGN PANEL (FOR FUTURE USE)	8–FOOT DOUBLE FACED	W 9700



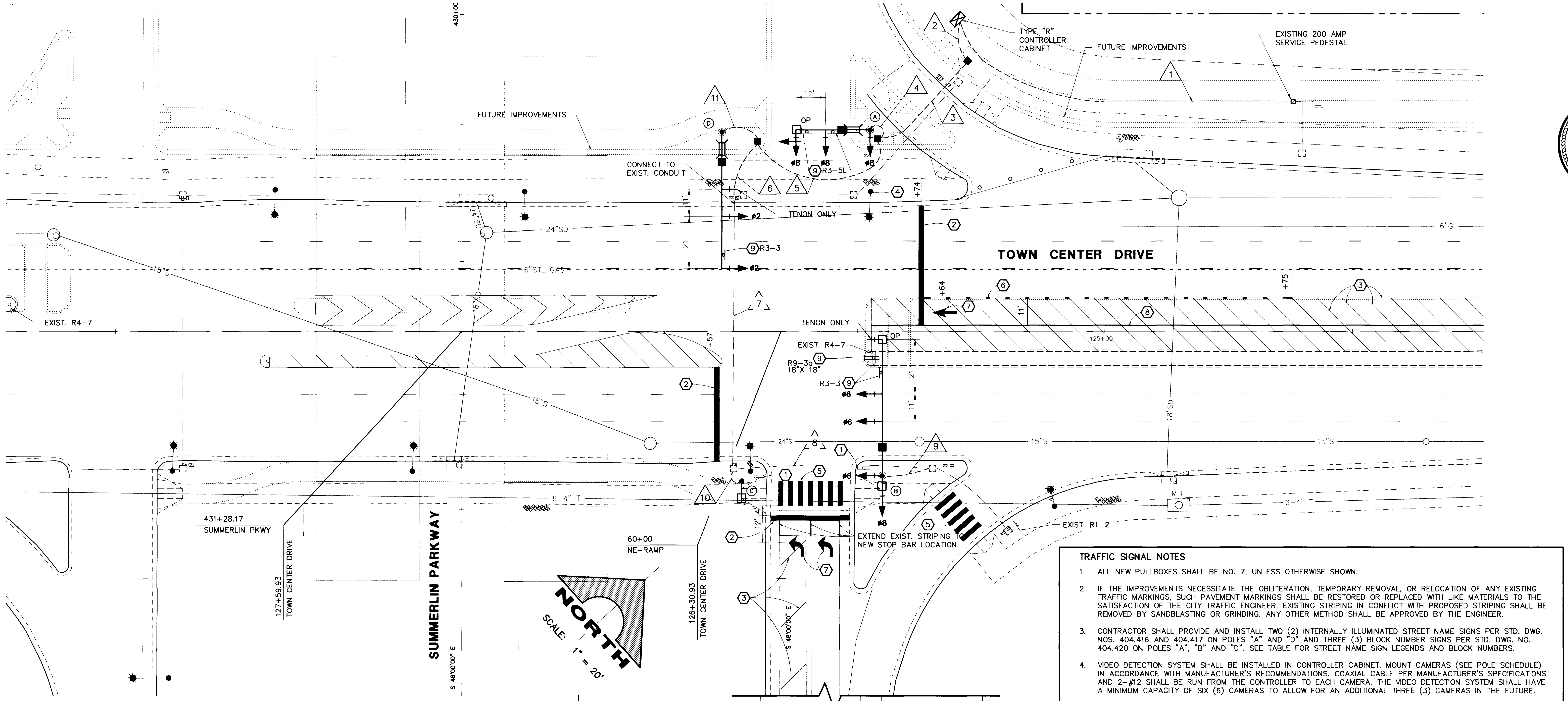
QUADRANT LOCATOR

ARM OR SIGNAL LOCATION (TOP VIEW)

POLE SCHEDULE

POLE	LOCATION STATION (OFFSET)	POLE TYPE	SIGNAL ARM QUAD.	SIGNAL ARM LENGTH	LUM. ARM QUAD.	LUM. ARM LENGTH	SIGNALS (VEH.) TYPE	SIGNALS (VEH.) QUAD.	SIGNALS(PED.) TYPE	SIGNALS(PED.) QUAD.	PEDESTRIAN PUSH BUTTON QUAD. (PHASE)	PEDESTRIAN PUSH BUTTON SIGN	REMARKS
*Ⓐ	TOWN CENTER 125+95 81.5' RT.	XX	4	30'	4	10'	M–2 M–2A	MAST ARM MAST ARM	W–3T(F)	2(F)	1(ø2)(F) 2(ø8)(F)	RT. LT.	MOUNT OPTICAL DETECTOR (1–WAY) ON MAST ARM. MOUNT TWO R3–5L ON MAST ARM JUST NORTH OF DISPLAYS. ø8 DISPLAY AT END OF MAST ARM SHALL HAVE GREEN AND YELLOW ARROW INDICATIONS. PROVIDE POLE DRILLINGS FOR FUT. PED. SIGNALS. MOUNT CAMERA FOR ø8 ON LUMINAIRE ARM. SEE NOTE 4.
Ⓑ	TOWN CENTER 126+00 58' LT.	XXA	1	55'	1	10'	M–2(2) B–2T	MAST ARM 3	W–3T	3	2(ø8)(F) 3(ø6)	RT.(F) LT.	MOUNT OPTICAL DETECTOR (2–WAY) AND R3–3 ON MAST ARM. MOUNT CAMERA FOR ø6 ON LUMINAIRE ARM. SEE NOTE 4. ø8 PEDESTRIAN HEAD SHALL BE COVERED.
Ⓒ	TOWN CENTER 126+47 60.5' LT.	1–B	–	–	–	–	–	–	W–1T	POST TOP	3(ø6)	RT.	
*Ⓓ	TOWN CENTER 126+55 80.5' RT.	XXA	3	55'	3	10'	M–2(2) B–1T(F)	MAST ARM 1(F)	W–0T(F)	1(F)	1(ø2)(F)	LT.(F)	MOUNT R3–3 ON MAST ARM. MOUNT CAMERA FOR ø2 ON LUMINAIRE ARM. SEE NOTE 4.

(F) – FUTURE
* – FINAL POLE LOCATION AND ELEVATION SHALL BE PROVIDED BY THE ENGINEER PRIOR TO CONSTRUCTION

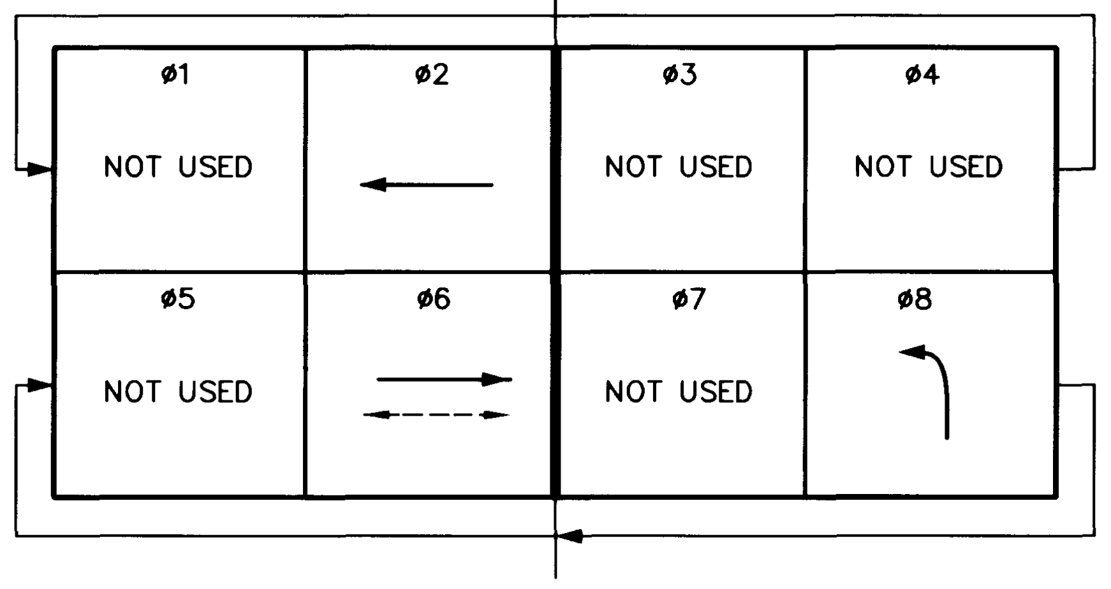


CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	VIA CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12
3–#1/0, 1–#6 GRD.	SERVICE PED.	CONTROLLER	X											
15 C. #14, 2 #10 THW 2–#12, COAXIAL	CONTROLLER	POLE A		X	X	X								
20 C. #14, 2 #10 THW 2–#12, COAXIAL	CONTROLLER	POLE B		X	X		X	X	X	X	X			
10 C. #14	CONTROLLER	POLE C		X	X		X	X	X	X		X		
15 C. #14, 2 #10 THW 2–#12, COAXIAL	CONTROLLER	POLE D		X	X		X						X	
OPTICOM	CONTROLLER	POLE A		X	X	X								
OPTICOM	CONTROLLER	POLE D		X	X		X	X	X	X	X			
CONDUIT SIZE			3"	3–3" 2"	3–3" 2"	2"	3–3" 2"	3–3"	(E)	(E)	2"	2"	2"	

NOTE : (E) INDICATES EXISTING CONDUIT

A NO. 8 GREEN GROUNDING WIRE SHALL BE RUN FROM THE CONTROLLER CABINET TO EACH SIGNAL POLE BASE.



NEMA PHASE DIAGRAM

CONFLICT FLASH SHALL BE ALL RED.
OPTICOM PRE–EMPTION FOR PHASES 2, 6 & 8.

TRAFFIC SIGNAL NOTES

1. ALL NEW PULLBOXES SHALL BE NO. 7, UNLESS OTHERWISE SHOWN.
2. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC MARKINGS, SUCH PAVEMENT MARKINGS SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER. EXISTING STRIPING IN CONFLICT WITH PROPOSED STRIPING SHALL BE REMOVED BY SANDBLASTING OR GRINDING. ANY OTHER METHOD SHALL BE APPROVED BY THE ENGINEER.
3. CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) INTERNALLY ILLUMINATED STREET NAME SIGNS PER STD. DWG. NOS. 404.416 AND 404.417 ON POLES "A" AND "D" AND THREE (3) BLOCK NUMBER SIGNS PER STD. DWG. NO. 404.420 ON POLES "A", "B" AND "D". SEE TABLE FOR STREET NAME SIGN LEGENDS AND BLOCK NUMBERS.
4. VIDEO DETECTION SYSTEM SHALL BE INSTALLED IN CONTROLLER CABINET. MOUNT CAMERAS (SEE POLE SCHEDULE) IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. COAXIAL CABLE PER MANUFACTURER'S SPECIFICATIONS AND 2–#12 SHALL BE RUN FROM THE CONTROLLER TO EACH CAMERA. THE VIDEO DETECTION SYSTEM SHALL HAVE A MINIMUM CAPACITY OF SIX (6) CAMERAS TO ALLOW FOR AN ADDITIONAL THREE (3) CAMERAS IN THE FUTURE.
5. CONDUIT ROUTING AND SAWCUT LINES ARE SCHEMATIC FOR THE PURPOSE OF CLARITY AND MAY DIFFER FROM ACTUAL INSTALLATION.
6. EMERGENCY VEHICLE PRIORITY CONTROL SYSTEM SHALL BE PROVIDED AND INSTALLED PER STD. DWG. NO 404.320 AND SPECIAL PROVISIONS. OPTICAL DETECTORS SHALL BE MOUNTED ON TOP OF THE LEFT–MOST SIGNAL HEAD ON MAST ARMS OF POLES AS SHOWN IN THE POLE SCHEDULE. DETECTOR CABLE SHALL BE RUN FROM THE CONTROLLER TO THE OPTICAL DETECTORS AS SHOW IN THE CONDUIT AND WIRE SCHEDULE.
7. CONTRACTOR SHALL PROVIDE AND INSTALL 1–60 AMP 1P C.B. (TRAFFIC SIGNAL) AND 1–30 AMP 1P C.B. (INTERSECTION LTG.) IN EXISTING 200 AMP SERVICE PEDESTAL.
8. INTERSECTION LUMINAIRES SHALL BE 400 WATT HPS. LUMINAIRES AND LUMINAIRE ARMS SHALL CONFORM TO SUMMERLIN STANDARD DRAWINGS AND SPECIAL PROVISIONS.
9. ALL POLES SHALL BE PAINTED PER SPECIAL PROVISIONS.
10. ALL SALVAGED MATERIALS SHALL BE DELIVERED TO CITY OF LAS VEGAS YARDS, 3100 E. BONANZA RD.
11. CONTRACTOR SHALL PROTECT AND RESTORE EXISTING LANDSCAPING, IRRIGATION SYSTEMS AND OTHER IMPROVEMENTS IN ACCORDANCE WITH SECTION 107 OF THE STANDARD SPECIFICATIONS.

REV.	DATE	DESCRIPTION	DATE	APPROVAL

RECOMMENDED
TIMOTHY A. MCCOY
11511
R.P.E. NO.
11/11/96
DATE

TIMOTHY A. MCCOY
CIVIL
11511

G.C. WALLACE, INC.
Engineering/Architecture 1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89102

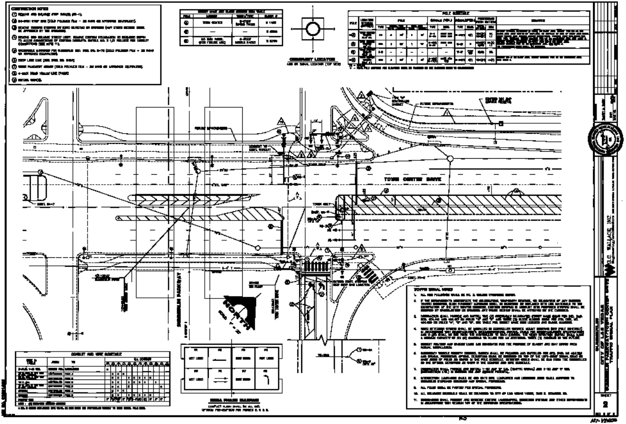
SUMMERLIN
CITY OF LAS VEGAS
SUMMERLIN PARKWAY/TOWN CENTER DRIVE
TRAFFIC SIGNAL PLAN

SHEET
2
SHT 2 OF 2

JOB NO. 62001.506
11/11/96

853

107-V2603



CONSTRUCTION NOTES

① [illegible]

② [illegible]

③ [illegible]

④ [illegible]

⑤ [illegible]

⑥ [illegible]

⑦ [illegible]

⑧ [illegible]

⑨ [illegible]

TRAFFIC SIGNAL NOTES

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]
11. [illegible]

W.C. WALLACE, INC.

SUMMERLIN
CITY OF LAS VEGAS
SUMMERLIN PARKWAY/TOWN CENTER DRIVE
TRAFFIC SIGNAL PLAN

SHEET
2