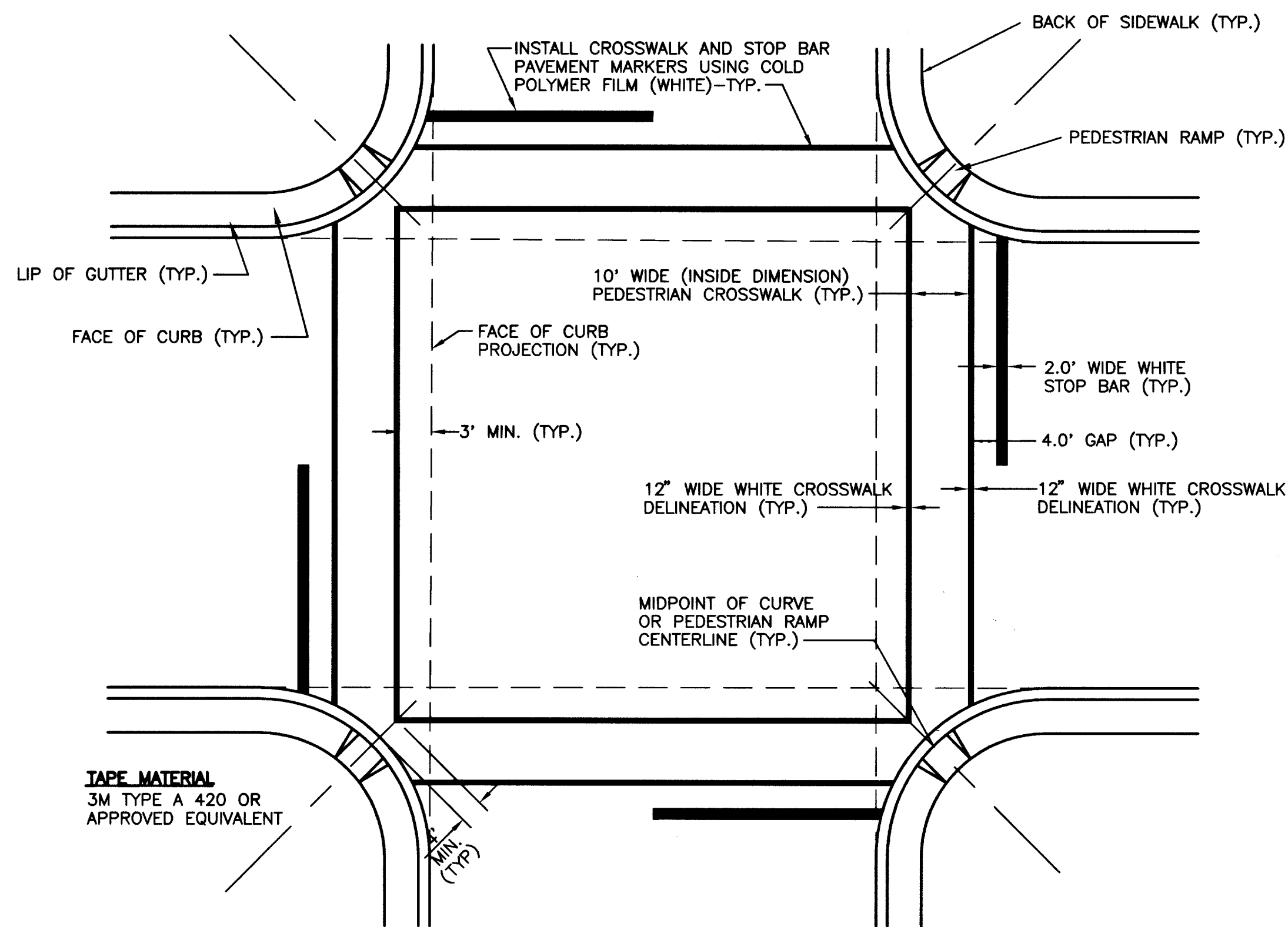


GENERAL NOTES

- 1.) ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "IMPROVEMENT STANDARDS" DEPT. OF PUBLIC WORKS, CLARK COUNTY, NEVADA (LATEST EDITION) AND THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS" CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, (LATEST EDITION), UNLESS OTHERWISE SPECIFIED BY NOTE ON THE PLANS AND / OR SPECIAL PROVISIONS.
- 2.) ALL UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 48 (FORTY-EIGHT) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 3.) UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN. THE CONTRACTOR'S RESPONSIBILITY REGARDING UTILITIES SHALL BE AS REQUIRED UNDER SECTION 105.08 OF THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS" CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, (LATEST EDITION).
- 4.) THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE; AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- 5.) ALL BARRICADING AND TEMPORARY TRAFFIC CONTROL DEVICES OR METHODS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS" CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, (LATEST EDITION) AND "STATE OF NEVADA TRAFFIC CONTROL MANUAL", (LATEST EDITION) AND "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", (LATEST EDITION), THE NEVADA DEPARTMENT OF TRANSPORTATION REGULATIONS, THE NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK.
- 6.) PROTECTION AND REPLACEMENT OF SURVEY MONUMENTS OR PROPERTY STAKES NOT DELINEATED ON THE CONTRACT DRAWINGS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 7.) A SOILS REPORT HAS BEEN PERFORMED BY TERRACON CONSULTANTS AND IS AVAILABLE FOR REVIEW AT THE OFFICE OF VTN NEVADA.
- 8.) THE OWNING UTILITY COMPANY SHALL BE RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL POWER POLES, TELEPHONE POLES, JOINTLY-OWNED POWER POLES AND RELATIVE APPURTENANCES THAT INTERFERE WITH THE REQUIRED IMPROVEMENTS AS SHOWN ON THE CONTRACT DRAWINGS.
- 9.) THE SOUTHWEST GAS COMPANY SHALL BE RESPONSIBLE FOR THE REMOVAL AND RELOCATION OF ALL GAS LINES AND APPURTENANCES THAT INTERFERE WITH THE REQUIRED IMPROVEMENTS AS SHOWN ON THE CONTRACT DOCUMENTS.
- 10.) THE CENTRAL TELEPHONE COMPANY SHALL BE RESPONSIBLE FOR THE ADJUSTMENT OF TELEPHONE MANHOLES AND UNDERGROUND TELEPHONE LINES THAT INTERFERE WITH THE REQUIRED IMPROVEMENTS AS SHOWN ON THE CONTRACT DRAWINGS.
- 11.) THE NEVADA POWER COMPANY SHALL BE RESPONSIBLE FOR THE RELOCATION OF UNDERGROUND POWER LINES THAT INTERFERE WITH THE REQUIRED IMPROVEMENTS AS SHOWN ON THE CONTRACT DRAWINGS.
- 12.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENTS OF FACILITIES AS INDICATED ON THE CONTRACT DRAWINGS OR IN THE SPECIAL PROVISIONS.
- 13.) ALL TRAFFIC SIGNS NOT SPECIFICALLY NOTED TO BE RELOCATED AND/OR MAINTAINED SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE CITY OF LAS VEGAS. THE CONTRACTOR SHALL PRESERVE AND PROTECT SUCH SIGNS UNTIL REMOVED.
- 14.) INTERCONNECT CONDUIT MAY BE PLACED IN SAME TRENCH AS STREET LIGHTING CONDUIT, BUT WHEN THE STREET LIGHTING CONDUIT IS IN THE SAME TRENCH AS THE INTERCONNECT CONDUIT, THE STREET LIGHTING CONDUIT SHALL PASS UNDER THE INTERCONNECT PULL BOXES. INTERCONNECT AND STREET LIGHTING CONDUIT SHALL HAVE A MINIMUM SEPARATION OF 12" IN ALL TRENCHES.
- 15.) ALL PULL BOXES SHALL BE CONCRETE WITH METAL COVERS MARKED "TRAFFIC SIGNAL" IF USED FOR SIGNAL CONDUCTORS OR INTERCONNECT CABLE. PULL BOXES USED FOR STREET LIGHTING SHALL HAVE METAL COVERS MARKED "STREET LIGHT".
- 16.) FIBER OPTIC CONDUIT SHALL BE 4 INCHES UNLESS OTHERWISE SPECIFIED. PULL BOXES SHALL BE "P-30" WITH STRAIGHT BOTTOM ENTRY AND EXIT. SPACING OF PULL BOXES SHALL BE 450 FEET, MAXIMUM 500 FEET APART. ALL CONDUIT SHALL BE CLEANED, BLOWN OUT, MANDREL(ED) AND SHALL HAVE A 200# PULL LINE AND A NUMBER 8 AWG THW WIRE AND PULL LINE AND WIRE SHALL BE SECURE AT BOTH ENDS AND CAPPED.
- 17.) CONDUIT LOCATIONS AS SHOWN ON THE DRAWINGS ARE FOR CLARITY OF RUNS ONLY. ALL CONDUIT RUNS, EITHER SINGLE OR MULTIPLE, SHALL RUN CORNER TO CORNER. MULTIPLE RUNS NOT TERMINATING IN THE SAME PULL BOX SHALL PASS UNDER THE PULL BOX USING RIGID ROBCOAT 90° ELBOW AND CONTINUE ON TO THE NEXT CORNER OR TERMINATING POINT. ALL MULTIPLE CONDUIT RUNS SHALL BE PLACED IN THE SAME TRENCH WHENEVER POSSIBLE.
- 18.) LVACTS INTERCONNECT CABLE POLICY IS IN EFFECT. INTERCONNECT CABLE MUST BE MAINTAINED AT ALL TIMES. DEVELOPER/CONTRACTOR SHALL PROVIDE TEMPORARY OVERHEAD INTERCONNECT CABLE WHILE PERMANENT CABLE IS BEING RELOCATED. ANY DAMAGE TO THIS CABLE IS DEEMED AN EMERGENCY BY LVACTS, CITY OF LAS VEGAS, CLARK COUNTY, AND N.D.O.T. TEMPORARY AERIAL INSTALLATION MUST BE ACCEPTABLE TO COUNTY TRAFFIC MANAGER AND LVACTS. \$2500.00 PER DAY DAMAGES MAY BE ASSESSED AFTER 24 HRS. HAS ELAPSED FROM TIME OF BREAK OR DAMAGE.
- 19.) ALL STREET LIGHT WIRE SHALL BE THW INSULATION AND ALL WIRE SHALL BE COPPER.
- 20.) FOR TRAFFIC SIGNAL MODIFICATIONS, THE CONTRACTOR SHALL INSTALL TEMPORARY AERIAL WIRING SO THAT EXISTING CONDUITS CAN BE FREED FOR THE PERMANENT WIRING RUNS. THE CONTRACTOR SHALL REWIRE CONDUITS IN ACCORDANCE WITH CONDUIT AND WIRE SCHEDULES SHOWN ON THE SIGNAL PLANS. EXISTING CONDUITS THAT ARE NOT INCLUDED IN THE CONDUIT AND WIRE SCHEDULES SHALL NOT BE DISTURBED UNLESS NOTED OTHERWISE. TEMPORARY AERIAL WIRING SHALL BE REMOVED AFTER PERMANENT WIRING RUNS ARE INSTALLED AND CONNECTED.
- 21.) FOR REWIRING OF SIGNALS, INSTALLATION OF NEW POLES AND RELOCATION OF EXISTING SIGNAL ASSEMBLIES, SYSTEM MAY BE SHUT DOWN AT 9:00 P.M. AND MUST BE BACK IN OPERATION BY 6:00 A.M. EACH DAY. DURING SHUT DOWN PERIOD, TRAFFIC CONTROL MUST BE PROVIDED BY THE CONTRACTOR USING LAS VEGAS METROPOLITAN POLICE SPECIAL EVENTS.
- 22.) EXISTING FOUNDATIONS FOR POLES THAT ARE TO BE REMOVED OR RELOCATED THAT ARE LOCATED IN THE SIDEWALK AREA ARE TO BE JACK-HAMMERED DOWN A MINIMUM OF 18" BELOW GRADE. CONSTRUCT NEW COMPLETE SIDEWALK SECTIONS IN DISTURBED AREAS, MATCH EXISTING SIDEWALK.



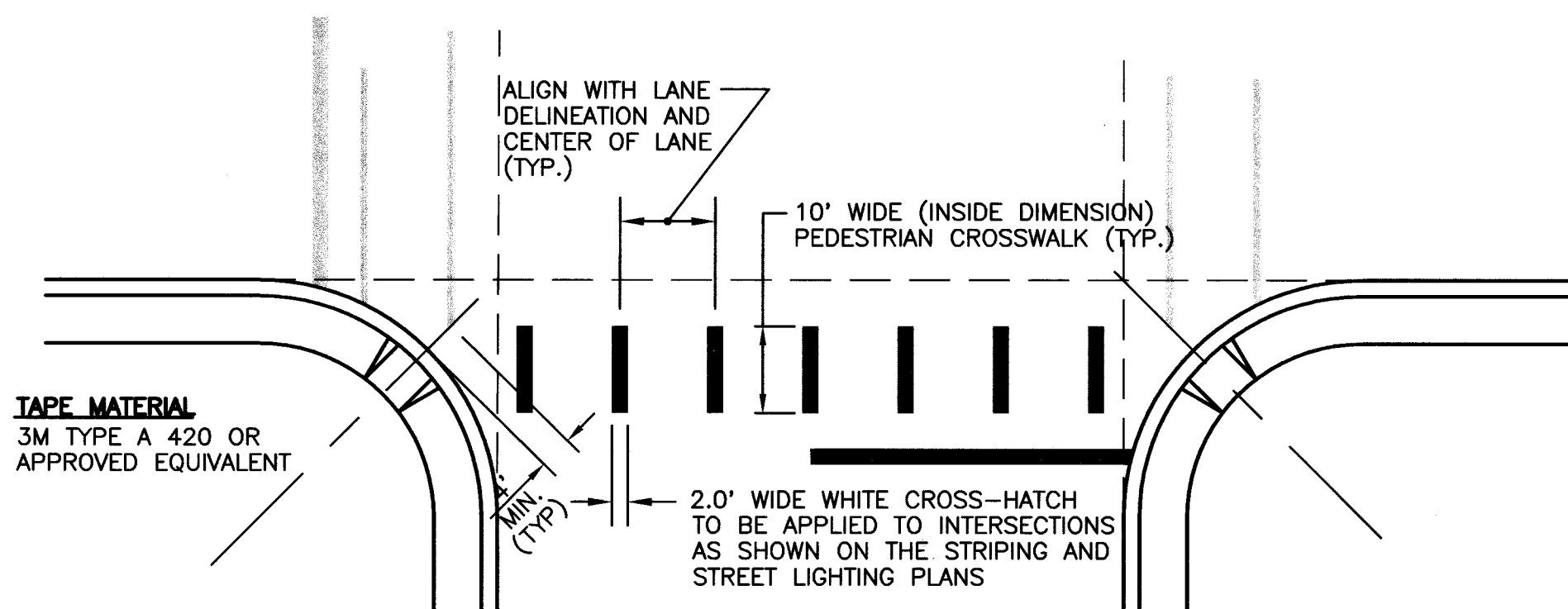
TYPICAL CROSSWALK STRIPING DETAIL

LONE MTN

CRAIG

ALEXANDER

INTERCONNECT DETAIL



"SUGGESTED ROUTE TO SCHOOL" TYPICAL CROSSWALK STRIPING DETAIL

ALL STREET LIGHT SERVICE PEDESTAL CIRCUITS MUST BE CONTROLLED SEPARATELY. 1 EA. 60A-2/P BREAKER, 1 EA. 15A 1P BREAKER, 1EA * 60A-2/P CONTRACTOR AND 1 EA. BY-PASS SWITCH FOR EACH CIRCUIT

GENERAL LEGEND

---	EXISTING EDGE OF PAVEMENT
---	EXISTING RIGHT-OF-WAY
---	EXISTING STREET CENTERLINE
--- EX. 10" G ---	EXISTING GAS LINE (SIZE VARIES)
--- EX. 12" S ---	EXISTING SEWER LINE (SIZE VARIES)
--- EX. 18" PCP ---	EXISTING REINFORCED CONCRETE PIPE (SIZE VARIES)
--- EX. 8" W ---	EXISTING WATER LINE (SIZE VARIES)
--- EX. TEL ---	EXISTING TELEPHONE CABLE/CONDUIT(S)
--- EX. 18" SD ---	EXISTING STORM DRAIN (SIZE VARIES)
---	EXISTING TRAFFIC SIGNAL OR STREET LIGHTING WIRE AND/OR CONDUIT
-X-X-X-	EXISTING FENCE LINE
○	EXISTING POLE/POST
○ OR ○	EXISTING POLE w/ GUY WIRE AND ANCHOR
☆ OR ☆	EXISTING STREET SIGN
☆ OR ☆	EXISTING STREET LIGHT
○	EXISTING POLE LIGHT
□	EXISTING PULL BOX
□	EXISTING TRAFFIC CONTROL CABINET
□	EXISTING TRAFFIC CONTROL AND/OR STREET LIGHTING SERVICE PEDESTAL
□	EXISTING CONDUIT/WIRE REFERENCE NUMBER
□	EXISTING SIGNAL POLE REFERENCE NUMBER
(EX. DET. X)	EXISTING TRAFFIC LOOP DETECTOR
←→	EXISTING SODIUM LUMINAIRE
←→	EXISTING PEDESTRIAN SIGNAL
←→	EXISTING SIGNAL INDICATION w/ BACK PLATE
←→	EXISTING SIGNAL INDICATION w/ DIRECTIONAL ARROW & BACK PLATE
←→	EXISTING "M-5" TYPE SIGNAL HEAD w/ ARROW & BACK PLATE
←→	EXISTING OPTICOM DETECTOR
←→	EXISTING MAST-ARM MOUNTED STREET NAME SIGN
①	NEW TRAFFIC SIGNAL OR STREET LIGHTING WIRE AND/OR CONDUIT (S/L 2" SCH. 40 PVC W/ 2" 4 THW + 1" 8 THW)
②	NEW STREET LIGHTING REFERENCE NUMBER
③	NEW CONDUIT REFERENCE NUMBER
④	NEW SIGNAGE AND DELINEATION NUMBER
⑤	NEW TRAFFIC VIDEO DETECTOR
⑥	NEW POLE
⑦	NEW PULL BOX (S/L 3 1/2)
⑧	NEW SIGNAL INDICATION w/ BACK PLATE
⑨	NEW SIGNAL INDICATION w/ DIRECTIONAL ARROW & BACK PLATE
⑩	NEW "M-5" TYPE SIGNAL HEAD w/ ARROW & BACK PLATE
⑪	NEW PEDESTRIAN SIGNAL
⑫	NEW SODIUM INTERSECTION LUMINAIRE, 400W
⑬	NEW TRAFFIC SIGNAL CONTROL CABINET
⑭	NEW TRAFFIC SIGNAL SERVICE PEDESTAL / OMBO STREET LIGHT 200A * (SEE NOTE)
⑮	NEW STREET LIGHT (ONLY) SERVICE PEDESTAL 125A * (SEE NOTE)
⑯	NEW OPTICOM DETECTOR
⑰	NEW MAST-ARM MOUNTED STREET NAME SIGN
⑱	NEW STREET LIGHT & POLE, 250W
⑲	NEW STREET LIGHT & POLE, 150W
⑳	NDOT TYPE B UNDERDECK LUMINAIRE, 100W
㉑	RELOCATED POSITION OF EXISTING SIGNAL POLE
㉒	RELOCATED POSITION OF EXISTING PEDESTRIAN SIGNAL
㉓	RELOCATED POSITION OF EXISTING SIGNAL INDICATION w/ BACK PLATE
㉔	RELOCATED POSITION OF EXISTING SIGNAL INDICATION w/ DIRECTIONAL ARROW & BACK PLATE
㉕	RELOCATED POSITION OF EXISTING "M-5" TYPE SIGNAL HEAD w/ DIRECTIONAL ARROW & BACK PLATE
㉖	NEW STREET SIGN
㉗	PHOTO CELL (LOCATION) ON NEAREST S/L POLES, DO NOTE INSTALL P.E. IN PEDESTAL ONE FOR EACH CIRCUIT
㉘	TRANSFORMER
㉙	CONDUIT
㉚	CONDUIT ONLY

SEAL
ORIGINAL CONSTRUCTION
DRAWINGS ARE ON FILE WITH
THE CITY OF LAS VEGAS.
THE
DOCUMENTS WERE SEALED ON
8/15/02
BY
ROBERT C. HOSA III
UNDER LICENSE NO.
10112
ELECTRICAL ONLY

NO. NO. 5346
BY WBM
DATE 08/13/02
SCALE HORIZ. NONE
VERT. NONE
DRAWING T1
SHEET 75
OF 84
SHEETS

DEPARTMENT OF PUBLIC WORKS
CITY OF LAS VEGAS

vtm novada

GENERAL INFORMATION FOR
STRIPING AND STREET LIGHTING
AND SIGNALIZATION PLANS
PROJECT
DURANGO DRIVE IMPROVEMENTS
LONE MOUNTAIN ROAD TO TROPICAL PARKWAY

CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS
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LAS VEGAS, NEVADA 89102-5148 PHONE (702) 873-7550 FAX (702) 362-2597

RECORD DRAWINGS INFORMATION SUPPLIED BY CONTRACTOR - APRIL 2004