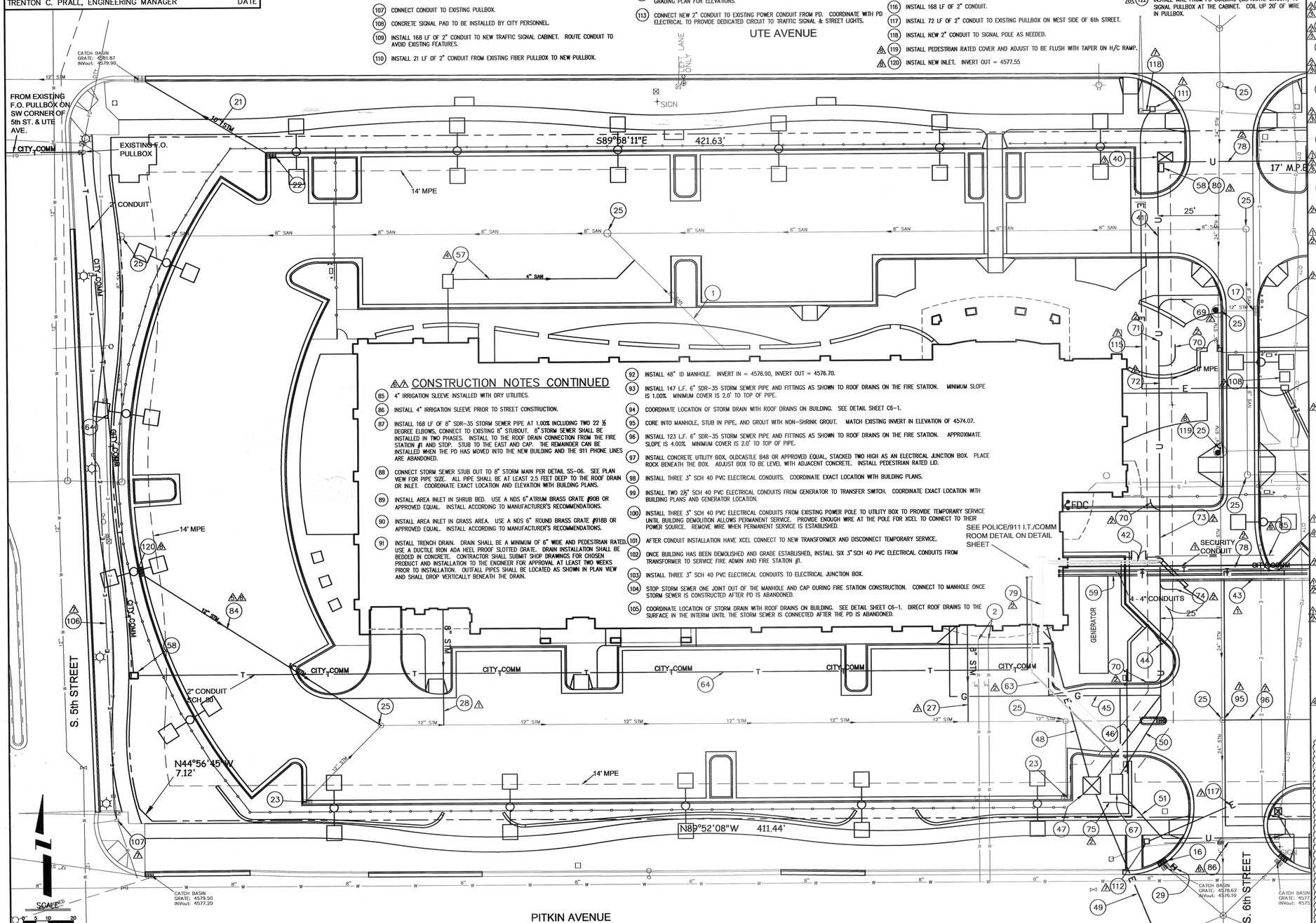
AUTHORIZED FOR CONSTRUCTION

TRENTON C. PRALL, ENGINEERING MANAGER DATE



⚠ CONSTRUCTION NOTES CONTINUED

106 INSTALL 212 LF OF 2" ELECTRICAL CONDUIT TO ALL 4 PED LIGHTS. BRING TO SURFACE WITH 90 DEGREE SWEEPS. 30" OF COVER. LOCATE PULL BOX ABOUT 2.5' AWAY FROM PED LIGHT AND KEEP OUT OF SIDEWALK. XCEL WILL INSTALL BASES, POLES, AND LIGHTS.

107 CONNECT CONDUIT TO EXISTING PULLBOX.

108 CONCRETE SIGNAL PAD TO BE INSTALLED BY CITY PERSONNEL.

109 INSTALL 168 LF OF 2" CONDUIT TO NEW TRAFFIC SIGNAL CABINET. ROUTE CONDUIT TO AVOID EXISTING FEATURES.

110 INSTALL 21 LF OF 2" CONDUIT FROM EXISTING FIBER PULLBOX TO NEW PULLBOX.

⚠ CONSTRUCTION NOTES CONTINUED

111 INSTALL NEW 12" X 18" PULLBOX.

112 ADJUST EXISTING PULLBOX TO BE FLUSH WITH NEW FLATWORK OR LANDSCAPING. SEE GRADING PLAN FOR ELEVATIONS.

113 CONNECT NEW 2" CONDUIT TO EXISTING POWER CONDUIT FROM PD. COORDINATE WITH PD ELECTRICAL TO PROVIDE DEDICATED CIRCUIT TO TRAFFIC SIGNAL & STREET LIGHTS.

⚠ CONSTRUCTION NOTES CONTINUED

114 INSTALL NEW PULLBOX. PULLBOX TO BE SUPPLIED BY CITY TRAFFIC.

115 INSTALL 167 LF OF 2" CONDUIT. USE LONG FIBER OPTIC SWEEP AT 90° BEND.

116 INSTALL 168 LF OF 2" CONDUIT.

117 INSTALL 72 LF OF 2" CONDUIT TO EXISTING PULLBOX ON WEST SIDE OF 6th STREET.

118 INSTALL NEW 2" CONDUIT TO SIGNAL POLE AS NEEDED.

⚠ 119 INSTALL PEDESTRIAN RATED COVER AND ADJUST TO BE FLUSH WITH TAPER ON H/C RAMP.

⚠ 120 INSTALL NEW INLET. INVERT OUT = 4577.55

⚠ CONSTRUCTION NOTES CONTINUED

⚠ 121 INSTALL 71 LF. 4" SDR-35 PVC STORM SEWER PIPE AND FITTINGS AS SHOWN TO ROOF DRAIN ON FIRE ADMIN. MINIMUM SLOPE IS 1.0%. MINIMUM COVER TO 2.0' TO TOP OF PIPE.

⚠ 122 INSTALL WIRE FROM PD BUILDING (SEPARATE CIRCUIT) TO SIGNAL PULLBOX AT THE CABINET. COIL UP 20' OF WIRE IN PULLBOX.

⚠⚠ CONSTRUCTION NOTES CONTINUED

85 4" IRRIGATION SLEEVE INSTALLED WITH DRY UTILITIES.

86 INSTALL 4" IRRIGATION SLEEVE PRIOR TO STREET CONSTRUCTION.

87 INSTALL 168 LF OF 8" SDR-35 STORM SEWER PIPE AT 1.00% INCLUDING TWO 22 ½ DEGREE ELBOWS. CONNECT TO EXISTING 8" STUBOUT. 8" STORM SEWER SHALL BE INSTALLED IN TWO PHASES. INSTALL TO THE ROOF DRAIN CONNECTION FROM THE FIRE STATION #1 AND STOP. STUB TO THE EAST AND CAP. THE REMAINDER CAN BE INSTALLED WHEN THE PD HAS MOVED INTO THE NEW BUILDING AND THE 911 PHONE LINES ARE ABANDONED.

88 CONNECT STORM SEWER STUB OUT TO 8" STORM MAIN PER DETAIL SS-06. SEE PLAN VIEW FOR PIPE SIZE. ALL PIPE SHALL BE AT LEAST 2.5 FEET DEEP TO THE ROOF DRAIN OR INLET. COORDINATE EXACT LOCATION AND ELEVATION WITH BUILDING PLANS.

89 INSTALL AREA INLET IN SHRUB BED. USE A NDS 6" ATRIUM BRASS GRATE #909B OR APPROVED EQUAL. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

90 INSTALL AREA INLET IN GRASS AREA. USE A NDS 6" ROUND BRASS GRATE #918B OR APPROVED EQUAL. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

91 INSTALL TRENCH DRAIN. DRAIN SHALL BE A MINIMUM OF 6" WIDE AND PEDESTRIAN RATED. USE A DUCTILE IRON ADA HEEL PROOF SLOTTED GRATE. DRAIN INSTALLATION SHALL BE BEDDED IN CONCRETE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CHOSEN PRODUCT AND INSTALLATION TO THE ENGINEER FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO INSTALLATION. OUTFALL PIPES SHALL BE LOCATED AS SHOWN IN PLAN VIEW AND SHALL DROP VERTICALLY BENEATH THE DRAIN.

92 INSTALL 48" ID MANHOLE. INVERT IN = 4576.90, INVERT OUT = 4576.70.

93 INSTALL 147 L.F. 6" SDR-35 STORM SEWER PIPE AND FITTINGS AS SHOWN TO ROOF DRAINS ON THE FIRE STATION. MINIMUM SLOPE IS 1.00%. MINIMUM COVER IS 2.0' TO TOP OF PIPE.

94 COORDINATE LOCATION OF STORM DRAIN WITH ROOF DRAINS ON BUILDING. SEE DETAIL SHEET C6-1.

95 CORE INTO MANHOLE, STUB IN PIPE, AND GROUT WITH NON-SHRINK GROUT. MATCH EXISTING INVERT IN ELEVATION OF 4574.07.

96 INSTALL 123 L.F. 6" SDR-35 STORM SEWER PIPE AND FITTINGS AS SHOWN TO ROOF DRAINS ON THE FIRE STATION. APPROXIMATE SLOPE IS 4.00%. MINIMUM COVER IS 2.0' TO TOP OF PIPE.

97 INSTALL CONCRETE UTILITY BOX, OLDCASTLE B48 OR APPROVED EQUAL, STACKED TWO HIGH AS AN ELECTRICAL JUNCTION BOX. PLACE ROCK BENEATH THE BOX. ADJUST BOX TO BE LEVEL WITH ADJACENT CONCRETE. INSTALL PEDESTRIAN RATED LID.

98 INSTALL THREE 3" SCH 40 PVC ELECTRICAL CONDUITS. COORDINATE EXACT LOCATION WITH BUILDING PLANS.

99 INSTALL TWO 2½" SCH 40 PVC ELECTRICAL CONDUITS FROM GENERATOR TO TRANSFER SWITCH. COORDINATE EXACT LOCATION WITH BUILDING PLANS AND GENERATOR LOCATION.

100 INSTALL THREE 3" SCH 40 PVC ELECTRICAL CONDUITS FROM EXISTING POWER POLE TO UTILITY BOX TO PROVIDE TEMPORARY SERVICE UNTIL BUILDING DEMOLITION ALLOWS PERMANENT SERVICE. PROVIDE ENOUGH WIRE AT THE POLE FOR XCEL TO CONNECT TO THEIR POWER SOURCE. REMOVE WIRE WHEN PERMANENT SERVICE IS ESTABLISHED.

101 AFTER CONDUIT INSTALLATION HAVE XCEL CONNECT TO NEW TRANSFORMER AND DISCONNECT TEMPORARY SERVICE.

102 ONCE BUILDING HAS BEEN DEMOLISHED AND GRADE ESTABLISHED, INSTALL SIX 3"SCH 40 PVC ELECTRICAL CONDUITS FROM TRANSFORMER TO SERVICE FIRE ADMIN AND FIRE STATION #1.

103 INSTALL THREE 3" SCH 40 PVC ELECTRICAL CONDUITS TO ELECTRICAL JUNCTION BOX.

104 STOP STORM SEWER ONE JOINT OUT OF THE MANHOLE AND CAP DURING FIRE STATION CONSTRUCTION. CONNECT TO MANHOLE ONCE STORM SEWER IS CONSTRUCTED AFTER PD IS ABANDONED.

105 COORDINATE LOCATION OF STORM DRAIN WITH ROOF DRAINS ON BUILDING. SEE DETAIL SHEET C6-1. DIRECT ROOF DRAINS TO THE SURFACE IN THE INTERIM UNTIL THE STORM SEWER IS CONNECTED AFTER THE PD IS ABANDONED.

SEE POLICE/911 I.T./COMM ROOM DETAIL ON DETAIL SHEET

CONSTRUCTION NOTES

1 SANITARY SEWER SERVICE IS STUBBED TO APPROXIMATELY 5' FROM BUILDING. AS-BUILT INVERT IS 4578.41

2 WATER SERVICE AND FIRE LINE IS STUBBED TO APPROXIMATELY 5' FROM BUILDING.

3 ⚠ SANITARY SEWER TO BE REPLACED BY OTHERS IN COORDINATION WITH THIS PROJECT.

4 APPROXIMATE LOCATION OF 4" SANITARY SEWER SERVICE. COORDINATE SPECIFIC LOCATION AND ELEVATION WITH BUILDING PLANS.

5 ⚠ APPROXIMATE LOCATION OF 2" WATER SERVICE AND 6" FIRE LINE. COORDINATE SPECIFIC LOCATION AND ELEVATION WITH BUILDING PLANS.

6 APPROXIMATE LOCATION OF 4" SANITARY SEWER SERVICE. COORDINATE SPECIFIC LOCATION AND ELEVATION WITH BUILDING PLANS.

7 APPROXIMATE LOCATION OF SAND/OIL SEPARATOR. COORDINATE SPECIFIC SIZE & LOCATION WITH BUILDING PLANS.

8 INSTALL 45° ELBOWS ON SANITARY SEWER SERVICE.

9 CONNECT TO EXISTING 6" WATER LINE AND INSTALL 53 LF OF 6" FIRE LINE AND GATE VALVE. COORDINATE SPECIFIC LOCATION WITH BUILDING PLANS.

10 RELOCATE EXISTING FIRE HYDRANT TO NORTH AS SHOWN.

11 CONNECT TO EXISTING 6" WATER LINE, INSTALL TWO 22½° BENDS, AND 196 LF OF 6" WATER LINE.

12 INSTALL FIRE HYDRANT, GATE VALVE, AND 9 LF OF 6" WATER LINE.

13 CONNECT TO EXISTING 2" METER YOKE, INSTALL TWO 22½° BENDS, 2 - 90° BENDS, AND 215 LF OF 2" WATER LINE TO BUILDING.

⚠ 14 INSTALL NEW INLET. INVERT OUT = 4577.15
FL ELEV = 4579.57
GRATE = 4579.44

⚠⚠ 15 INSTALL 57 LF OF 12" STORM PIPE AT 0.60%. INVERT AT NEW INLET = 4576.81.

⚠⚠ 16 18" STORM PIPE HAS BEEN STUBBED TO EXISTING INLET. REMOVE EXISTING INLET, EXTEND 18" STORM PIPE AND INSTALL NEW INLET. INVERT OUT = 4575.80 ON EAST SIDE, INVERT OUT = 4576.25 ON WEST SIDE. GRATE ON EAST SIDE = 4577.96, GRATE ON WEST SIDE = 4578.47

17 12" PIPE HAS BEEN STUBBED TO PROPOSED INLET. EXTEND PIPE AS NECESSARY AND INSTALL INLET.

18 ABANDON EXISTING WATER LINE IN PLACE. PLUG END OF PIPE REMOVE VALVE BOX TO 12" BELOW GRADE & FILL W/ SAND OR FLOWFILL.

⚠ 19 ADJUST MONITORING WELL TO GRADE.

⚠⚠ 20 ABANDON MH. REMOVE CONE, PLUG END OF PIPE W/ CONCRETE AND FILL MH W/ GRAVEL, PIT RUN OR FLOWFILL.

⚠ 21 INSTALL 56 LF OF 10" STORM PIPE AT 0.50%. INVERT AT EXISTING INLET = 4579.90. CONNECT TO EXISTING INLET AND GROUT WITH NON-SHRINK GROUT.

22 INSTALL NEW INLET. INVERT OUT = 4580.18

23 ADJUST FRAME AND GRATE TO GRADE AND GROUT.

24 APPROXIMATE LOCATION OF EXISTING 1½" FIRE STATION WATER SERVICE. THE METER IS CURRENTLY IN THE SOUTHEAST CORNER OF THE EXISTING BUILDING AND WILL BE INSTALLED IN THE SOUTHEAST ROOM OF THE NEW ADDITION. BUILDING CONTRACTOR TO EXCAVATE AND CONNECT TO NEW BUILDING.

25 ADJUST MANHOLE RIM TO GRADE. SEE GRADING PLAN FOR ELEVATIONS. IF AN INVERTED RING AND COVER ARE CURRENTLY INSTALLED, REPLACE WITH STANDARD RING AND COVER SUPPLIED BY CITY.

⚠⚠ 26 TEMPORARILY CONNECT 6" SERVICE TO EXISTING 12" VCP WITH INSERT-A-TEE. SERVICE SHALL BE 0.50' HIGHER THAN EXISTING INVERT. CITY CREWS WILL INSTALL NEW MH WHEN SEWER MAIN IS REPLACED AFTER NEW PD BUILDING IS OCCUPIED.

⚠ 27 INSTALL APPROXIMATELY 39 FEET OF 8" SDR-35 PVC PIPE. CONNECT WITH AN INSERTA-TEE AND INSTALL A 45° BEND IF NECESSARY. MINIMUM SLOPE IS 2% BUT SHALL BE FIELD DETERMINED BASED ON EXISTING STORM SEWER ELEVATION AND ROOF DRAIN ELEVATION UNDER THE FOUNDATION. THERE IS PLENTY OF ELEVATION DIFFERENCE. COORDINATE WITH MECHANICAL PLANS.

⚠ 28 INSTALL APPROXIMATELY 46 FEET OF 8" SDR-35 PVC PIPE. CONNECT WITH AN INSERTA-TEE AND INSTALL A 45° BEND IF NECESSARY. MINIMUM SLOPE IS 2% BUT SHALL BE FIELD DETERMINED BASED ON EXISTING STORM SEWER ELEVATION AND ROOF DRAIN ELEVATION UNDER THE FOUNDATION. THERE IS PLENTY OF ELEVATION DIFFERENCE. COORDINATE WITH MECHANICAL PLANS.

29 REFERENCE AND RESET CITY SURVEY MONUMENT.

30 XCEL TO INSTALL NEW POLE (APPROXIMATELY 170' EAST OF THE EAST SIDE OF 7TH STREET) TO TAKE POWER FROM OVERHEAD TO UNDERGROUND. CABLE WILL BE ON THIS POLE TOO.

31 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, AND CABLE (1 - 2" CONDUIT) IN THE EXISTING 14' MULTI-PURPOSE EASEMENT. GAS CONNECTS TO EXISTING PIPE APPROXIMATELY 250' EAST OF THE EAST SIDE OF 7TH STREET.

CONSTRUCTION NOTES CONTINUED

32 7TH STREET CAN BE OPEN CUT. PATCH ASPHALT PER CITY REQUIREMENTS INCLUDING T-TOPPING.

⚠ 33 UTILITY TRENCH FOR QWEST (2 - 4" CONDUITS) AND SPARE (1 - 4" CONDUIT) ON EAST SIDE OF EXISTING SIDEWALK.

⚠ 34 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (1 - 2" CONDUIT), QWEST (2 - 4" CONDUITS), CITY COMM (1 - 2" CONDUIT), SPARE (1 - 4" CONDUIT).

35 CABLE (2 - 2" CONDUITS) TO CONNECT TO THE BORE UNDER UTE PERFORMED BY THE CABLE COMPANY.

⚠ 36 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 - 2" CONDUITS), QWEST (2 - 4" CONDUITS), CITY COMM (1 - 2" CONDUIT), SPARE (1 - 4" CONDUIT).

37 XCEL TRANSFORMER APPROXIMATELY 7' X 7'. DOORS TO OPEN TO THE WEST. LOCATE IN THE LANDSCAPE ISLAND. FENCE TO CONTAIN DOORS TO ACCESS THE TRANSFORMER.

⚠ 38 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 - 2" CONDUITS), QWEST (2 - 4" CONDUITS), CITY COMM (1 - 2" CONDUIT), SPARE (1 - 4" CONDUIT).

39 CITY COMM CONDUIT (1 - 2" CONDUIT) TO CONNECT TO EXISTING PULLBOX.

⚠ 40 QWEST VAULT APPROXIMATELY 5' X 7'. ORIENT SO THE 7' DIRECTION RUNS EAST AND WEST. CONTRACTOR TO EXCAVATE FOR & SET VAULT. CITY IS PURCHASING VAULT SEPARATELY. COORDINATE CONDUIT INTO AND OUT OF VAULT WITH QWEST.

41 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 - 2" CONDUITS), QWEST (4 - 4" CONDUITS), AND CITY COMM (1 - 2" CONDUIT).

⚠ 42 QWEST (2 - 4" CONDUITS), UNDERGROUND LIGHTING (2 - 2" CONDUITS), GATE POWER (3 - 2" CONDUITS), CONTROL AND ANNUNCIATION (4 - 2" CONDUITS) AND CITY COMM (1 - 2" CONDUIT) INTO THE PD BUILDING.

⚠ 43 COMMON UTILITY TRENCH WITH CABLE (2 - 2" CONDUITS FROM THEIR PEDESTAL TO FS #1), QWEST (2 - 4" CONDUITS: 1 TO FS #1 AND ONE TO FA), CITY COMM (4 - 4" CONDUITS), GATE POWER (2 - 2" CONDUITS), CONTROL AND ANNUNCIATION (3 - 2" CONDUITS), AND SECURITY (2 - 4" CONDUITS).

⚠ 44 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (5 - 2" CONDUITS: 3 TO THE PEDESTAL AND 2 FROM THE PEDESTAL), GATE POWER (1 - 2" CONDUITS), CONTROL AND ANNUNCIATION (1 - 2" CONDUITS).

45 XCEL GAS TO THE PD BUILDING. COORDINATE EXACT LOCATION WITH MECHANICAL PLANS.

46 XCEL ELECTRIC TO TRANSFORMER.

47 XCEL TRANSFORMER APPROXIMATELY 7' X 7'. DOORS TO OPEN TO THE NORTH.

48 ELECTRIC TO THE PD BUILDING. COORDINATE EXACT LOCATION AND CONFIGURATION WITH ELECTRICAL PLANS.

49 XCEL ELECTRIC BORE TO THE SOUTH. XCEL WILL BE INSTALLING THIS.

50 CABLE (5 - 2" CONDUITS: 3 TO THE PEDESTAL AND 2 FROM THE PEDESTAL TO FS #1).

⚠ 51 CABLE (2 - 2" CONDUITS TO THE PEDESTAL), UNDERGROUND LIGHTING (2 - 2" CONDUITS) AND CCTV (2 - 2" CONDUITS).

52 COMMON UTILITY TRENCH WITH CABLE (2 - 2" CONDUITS) AND CITY TRAFFIC (1 - 2" CONDUIT). PLACE TRENCH ON SOUTH SIDE OF EXISTING SIDEWALK TO KEEP FROM DAMAGING WALK.

53 CABLE (1 - 2" CONDUIT) INTO FS #1.

⚠ 54 COMMON UTILITY TRENCH WITH CABLE (3 - 2" CONDUITS) AND CITY TRAFFIC (1 - 2" CONDUIT). PLACE TRENCH ON SOUTH SIDE OF EXISTING SIDEWALK TO KEEP FROM DAMAGING WALK.

55 CABLE WILL INSTALL NEW POLE TO TAKE FIBER FROM OVERHEAD TO UNDERGROUND.

⚠ 56 INSTALL NEW CITY PULLBOX FOR I.T. AND/OR TRAFFIC.

⚠ 57 SCHEMATIC LOCATION OF SAND OIL SEPARATOR AND DISCHARGE LINE. MIN. SLOPE ON DISCHARGE IS ¼" PER FOOT.

58 INSTALL NEW PULLBOX FOR CITY IT AND/OR TRAFFIC.

⚠ 59 CITY COMM (4 - 4" CONDUITS), GATE POWER (2 - 2" CONDUITS), CONTROL AND ANNUNCIATION (3 - 2" CONDUITS), AND SECURITY (2 - 4" CONDUITS).

⚠ 60 COMMON UTILITY TRENCH WITH CABLE (2 - 2" CONDUITS), QWEST (1 - 4" CONDUIT), CITY COMM (2 - 4" CONDUITS) AND SECURITY (1 - 4" CONDUIT). ALL GOING TO FS #1.

⚠ 61 COMMON UTILITY TRENCH WITH QWEST (1 - 4" CONDUIT), CITY COMM (2 - 4" CONDUITS) AND SECURITY (1 - 4"). ALL GOING TO FA.

62 COMMON UTILITY TRENCH WITH CABLE (2 - 2" CONDUITS) AND CITY COMM (3 - 4" CONDUITS) BETWEEN FS #1 AND FA.

63 CABLE (2 - 2" CONDUITS) INTO PD.

64 CITY COMM (1-2" CONDUIT).

65 RESTORE ANY REMOVED OR DAMAGED SIDEWALK WITH COMPACTED ASPHALT MILLINGS AS NECESSARY UNTIL FINAL CONSTRUCTION.

⚠ 66 TEMPORARILY RESTORE FIRE APRON WITH 4" OF HBP ON 12" OF CLASS 6 BASE COURSE.

67 CABLE PEDESTAL TO BE INSTALLED BY THE CABLE COMPANY.

68 EXISTING TEMPORARY POLICE BUILDING. ALL UTILITIES MUST BE BORED UNDER IT.

69 UNDERGROUND LIGHTING (2 - 2" CONDUITS). REFER TO ELECTRICAL PLANS.

70 GATE POWER (1 - 2" CONDUIT) AND CONTROL AND ANNUNCIATION (1 - 2" CONDUIT). REFER TO ELECTRICAL PLANS.

71 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 - 2" CONDUITS), QWEST (4 - 4" CONDUITS), CITY COMM (1 - 2" CONDUIT), AND UNDERGROUND LIGHTING (2 - 2" CONDUITS).

72 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 - 2" CONDUITS), QWEST (4 - 4" CONDUITS), CITY COMM (1 - 2" CONDUIT), UNDERGROUND LIGHTING (2 - 2" CONDUITS), GATE POWER (1 - 2" CONDUIT), AND CONTROL AND ANNUNCIATION (1 - 2" CONDUIT).

73 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 - 2" CONDUITS), QWEST (4 - 4" CONDUITS), CITY COMM (1 - 2" CONDUIT), UNDERGROUND LIGHTING (2 - 2" CONDUITS), GATE POWER (2 - 2" CONDUITS), AND CONTROL AND ANNUNCIATION (2 - 2" CONDUITS).

74 CONTROL AND ANNUNCIATION (1 - 2" CONDUIT). REFER TO ELECTRICAL PLANS.

75 UNDERGROUND LIGHTING (2 - 2" CONDUITS) AND CCTV (2 - 2" CONDUITS). REFER TO ELECTRICAL PLANS.

76 COMMON UTILITY TRENCH WITH QWEST (1 - 4" CONDUIT) AND CITY COMM (2 - 4" CONDUITS), GATE POWER (2 - 2" CONDUITS), AND CONTROL AND ANNUNCIATION (3 - 2" CONDUITS), AND SECURITY (1 - 4" CONDUIT).

77 GATE POWER (2 - 2" CONDUITS), AND CONTROL AND ANNUNCIATION (3 - 2" CONDUITS), REFER TO ELECTRICAL PLANS.

⚠ 78 FLOWFILL STREET CROSSINGS

79 QWEST (3 - 4" CONDUITS). STOP CONDUITS 5' BEHIND CURB NEAR BRESNAN PEDESTAL.

⚠ 80 STUB SPARE CONDUIT INTO CITY PULLBOX.

⚠ 81 INSTALL SMALL BRESNAN PEDESTAL. COORDINATE WITH BRESNAN.

⚠ 82 PROTECT AND ADJUST BOXES TO GRADE.

⚠ 83 NEW INLET, SEE SHEET 7-1.

⚠ 84 INSTALL 114 LF 12" SDR-35 PVC STORM SEWER @ 0.80% TO INLET. CORE INTO MANHOLE. INV @ MH = 4576.64

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555 UTE AVENUE GRAND JUNCTION, CO 81501

UTILITY PLAN 500 BLOCK

FOR CONSTRUCTION

REVISIONS	DATE:
⚠ REVISE NOTES & STORM SEWER, ADD LIGHTING AND SECURITY CONDUIT.	05/24/2011
⚠ REVISE NOTES, ADD NOTES, ADD SITE CONDUITS, ADD FLOWFILL MORE QWEST VAULT & ADD QWEST CONDUITS	05/25/2011
⚠ RECIRCUIT QWEST AND CITY PULLBOX, CHANGE SPARE CONDUITS FROM QWEST TO CITY, DROP 1-4" CONDUIT.	05/31/2011
⚠ CLARIFY NOTES, ADD SAND/OIL SEPARATOR, ADDED NOTES 18, 19, 23 & 26	06/26/2011
⚠ CLARIFY NOTES AND ADDED NOTES 82, 83 & 84	08/26/2011
⚠ REVISED NOTES, ADD SLEEVES	09/22/2011
⚠ RELOCATED PED LIGHTS, ADD STORM TO F.S. #1 REVISED NOTE 87 & ADDED NOTES 92-105	01/23/2012
⚠ MODIFIED NOTE 84 AND ADDED NOTES 118, 120, 121 & 122	03/19/2012

DATE: 09/22/2011

PROJECT #: 1031-1

SHEET #: **C2-1**

Project Team: DRAWN: JAH
DESIGNED: RAD
Print Date: 05/24/2011 06:30:00

AUTHORIZED FOR CONSTRUCTION

TRENTON C. PRALL, ENGINEERING MANAGER DATE

SEE SHEET 7

⚠ CONSTRUCTION NOTES CONTINUED

106 INSTALL 212 LF OF 2" ELECTRICAL CONDUIT TO ALL 4 PED LIGHTS. BRING TO SURFACE WITH 90 DEGREE SWEEPS. 30" OF COVER. LOCATE PULL BOX ABOUT 2.5' AWAY FROM PED LIGHT AND KEEP OUT OF SIDEWALK. XCEL WILL INSTALL BASES, POLES, AND LIGHTS.

107 CONNECT CONDUIT TO EXISTING PULLBOX.

108 CONCRETE SIGNAL PAD TO BE INSTALLED BY CITY PERSONNEL.

109 INSTALL 168 LF OF 2" CONDUIT TO NEW TRAFFIC SIGNAL CABINET. ROUTE CONDUIT TO AVOID EXISTING FEATURES.

110 INSTALL 21 LF OF 2" CONDUIT FROM EXISTING FIBER PULLBOX TO NEW PULLBOX.

⚠ CONSTRUCTION NOTES CONTINUED

111 INSTALL NEW 12" X 18" PULLBOX.

112 ADJUST EXISTING PULLBOX TO BE FLUSH WITH NEW FLATWORK OR LANDSCAPING. SEE GRADING PLAN FOR ELEVATIONS.

113 CONNECT NEW 2" CONDUIT TO EXISTING POWER CONDUIT FROM PD. COORDINATE WITH PD ELECTRICAL TO PROVIDE DEDICATED CIRCUIT TO TRAFFIC SIGNAL & STREET LIGHTS.

⚠ CONSTRUCTION NOTES CONTINUED

114 INSTALL NEW PULLBOX. PULLBOX TO BE SUPPLIED BY CITY TRAFFIC.

115 INSTALL 167 LF OF 2" CONDUIT. USE LONG FIBER OPTIC SWEEP AT 90° BEND.

116 INSTALL 168 LF OF 2" CONDUIT.

117 INSTALL 72 LF OF 2" CONDUIT TO EXISTING PULLBOX ON WEST SIDE OF 6th STREET.

118 INSTALL NEW 2" CONDUIT TO SIGNAL POLE AS NEEDED.

⚠ 119 INSTALL PEDESTRIAN RATED COVER AND ADJUST TO BE FLUSH WITH TAPER ON H/C RAMP.

⚠ 120 INSTALL NEW INLET. INVERT OUT = 4577.47

⚠ 121 INSTALL 71 L.F. 4" SDR-35 PVC STORM SEWER PIPE AND FITTINGS AS SHOWN TO ROOF DRAIN ON FIRE ADMIN. MINIMUM SLOPE IS 1.00% MINIMUM COVER TO 2.0' TO TOP OF PIPE.

⚠ 122 INSTALL WIRE FROM PD BUILDING (SEPARATE CIRCUIT) TO SIGNAL PULLBOX AT THE CABINET. COIL UP 20' OF WIRE IN PULLBOX.

UTE AVENUE

SIGN

35'

45'

S89°52'43"E 460.86'

17' M.P.E.

M.P.E. (WIDTH VARIES)

EXISTING F.O. PULLBOX

EXISTING CATCH BASIN
EX GRATE: 4580.82
EX INVout: DEBRIS FILLED

SCALE 0 5 10 20

⚠⚠ CONSTRUCTION NOTES CONTINUED

85 4" IRRIGATION SLEEVE INSTALLED WITH DRY UTILITIES.

86 INSTALL 4" IRRIGATION SLEEVE PRIOR TO STREET CONSTRUCTION.

87 INSTALL 168 LF OF 8" SDR-35 STORM SEWER PIPE AT 1.00% INCLUDING TWO 22 ½ DEGREE ELBOWS, CONNECT TO EXISTING 8" STUBOUT. 8" STORM SEWER SHALL BE INSTALLED IN TWO PHASES. INSTALL TO THE ROOF DRAIN CONNECTION FROM THE FIRE STATION #1 AND STOP. STUB TO THE EAST AND CAP. THE REMAINDER CAN BE INSTALLED WHEN THE PD HAS MOVED INTO THE NEW BUILDING AND THE 911 PHONE LINES ARE ABANDONED.

88 CONNECT STORM SEWER STUB OUT TO 8" STORM MAIN PER DETAIL SS-06. SEE PLAN VIEW FOR PIPE SIZE. ALL PIPE SHALL BE AT LEAST 2.5 FEET DEEP TO THE ROOF DRAIN OR INLET. COORDINATE EXACT LOCATION AND ELEVATION WITH BUILDING PLANS.

89 INSTALL AREA INLET IN SHRUB BED. USE A NDS 6" ATRIUM BRASS GRATE #908 OR APPROVED EQUAL. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

90 INSTALL AREA INLET IN GRASS AREA. USE A NDS 6" ROUND BRASS GRATE #918B OR APPROVED EQUAL. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

91 INSTALL TRENCH DRAIN. DRAIN SHALL BE A MINIMUM OF 6" WIDE AND PEDESTRIAN RATED. USE A DUCTILE IRON ADA HEEL PROOF SLOTTED GRATE. DRAIN INSTALLATION SHALL BE BEDDED IN CONCRETE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CHOSEN PRODUCT AND INSTALLATION TO THE ENGINEER FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO INSTALLATION. OUTFALL PIPES SHALL BE LOCATED AS SHOWN IN PLAN VIEW AND SHALL DROP VERTICALLY BENEATH THE DRAIN.

92 INSTALL 48" ID MANHOLE. INVERT IN = 4576.90, INVERT OUT = 4576.70.

93 INSTALL 147 L.F. 6" SDR-35 STORM SEWER PIPE AND FITTINGS AS SHOWN TO ROOF DRAINS ON THE FIRE STATION. MINIMUM SLOPE IS 1.00% MINIMUM COVER IS 2.0' TO TOP OF PIPE.

94 COORDINATE LOCATION OF STORM DRAIN WITH ROOF DRAINS ON BUILDING. SEE DETAIL SHEET C6-1.

95 CORE INTO MANHOLE, STUB IN PIPE, AND GROUT WITH NON-SHRINK GROUT. MATCH EXISTING INVERT IN ELEVATION OF 4574.07.

96 INSTALL 123 L.F. 6" SDR-35 STORM SEWER PIPE AND FITTINGS AS SHOWN TO ROOF DRAINS ON THE FIRE STATION. APPROXIMATE SLOPE IS 4.00%. MINIMUM COVER IS 2.0' TO TOP OF PIPE.

97 INSTALL CONCRETE UTILITY BOX, OLDCASTLE BA8 OR APPROVED EQUAL, STACKED TWO HIGH AS AN ELECTRICAL JUNCTION BOX. PLACE ROCK BENEATH THE BOX. ADJUST BOX TO BE LEVEL WITH ADJACENT CONCRETE. INSTALL PEDESTRIAN RATED LID.

98 INSTALL THREE 3" SCH 40 PVC ELECTRICAL CONDUITS. COORDINATE EXACT LOCATION WITH BUILDING PLANS.

99 INSTALL TWO 2½" SCH 40 PVC ELECTRICAL CONDUITS FROM GENERATOR TO TRANSFER SWITCH. COORDINATE EXACT LOCATION WITH BUILDING PLANS AND GENERATOR LOCATION.

100 INSTALL THREE 3" SCH 40 PVC ELECTRICAL CONDUITS FROM EXISTING POWER POLE TO UTILITY BOX TO PROVIDE TEMPORARY SERVICE UNTIL BUILDING DEMOLITION ALLOWS PERMANENT SERVICE. PROVIDE ENOUGH WIRE AT THE POLE FOR XCEL TO CONNECT TO THEIR POWER SOURCE. REMOVE WIRE WHEN PERMANENT SERVICE IS ESTABLISHED.

101 AFTER CONDUIT INSTALLATION HAVE XCEL CONNECT TO NEW TRANSFORMER AND DISCONNECT TEMPORARY SERVICE.

102 ONCE BUILDING HAS BEEN DEMOLISHED AND GRADE ESTABLISHED, INSTALL SIX 3" SCH 40 PVC ELECTRICAL CONDUITS FROM TRANSFORMER TO SERVICE FIRE ADMIN AND FIRE STATION #1.

103 INSTALL THREE 3" SCH 40 PVC ELECTRICAL CONDUITS TO ELECTRICAL JUNCTION BOX.

104 STOP STORM SEWER ONE JOINT OUT OF THE MANHOLE AND CAP DURING FIRE STATION CONSTRUCTION. CONNECT TO MANHOLE ONCE STORM SEWER IS CONSTRUCTED AFTER PD IS ABANDONED.

105 COORDINATE LOCATION OF STORM DRAIN WITH ROOF DRAINS ON BUILDING. SEE DETAIL SHEET C6-1. DIRECT ROOF DRAINS TO THE SURFACE IN THE INTERIM UNTIL THE STORM SEWER IS CONNECTED AFTER THE PD IS ABANDONED.

FIRE ADMINISTRATION

SEE FIRE ADMINISTRATION I.T./COMM ROOM DETAIL ON DETAIL SHEET

2 - 4" BRESNAN CONDUITS

GENERATOR PAD

FDC

8" STM

SECURITY CONDUIT

I.T./COMM

SEE FIRE STATION No. 1 I.T./COMM ROOM DETAIL ON DETAIL SHEET

NEW PULLBOX

FIRE STATION No. 1

6" STM

6" SAN

14' M.P.E.

6" PVC W

EXISTING POWER POLE

N89°49'42"W 460.88'

SIDEWALK

14' M.P.E.

PVC CONDUIT

S. 6th STREET

CATCH BASIN
GRATE: 4577.92
INVout: 4575.66

S. 7th STREET

S00°00'50"W 274.08'

EXISTING CATCH BASIN
EX GRATE: 4579.17
EX INVout: 4577.27

PITKIN AVENUE

SEE SHEET 7

CONSTRUCTION NOTES

1 SANITARY SEWER SERVICE IS STUBBED TO APPROXIMATELY 5' FROM BUILDING. AS-BUILT INVERT IS 4578.41

2 WATER SERVICE AND FIRE LINE IS STUBBED TO APPROXIMATELY 5' FROM BUILDING.

3 SANITARY SEWER TO BE REPLACED BY OTHERS IN COORDINATION WITH THIS PROJECT.

4 APPROXIMATE LOCATION OF 4" SANITARY SEWER SERVICE. COORDINATE SPECIFIC LOCATION AND ELEVATION WITH BUILDING PLANS.

5 APPROXIMATE LOCATION OF 2" WATER SERVICE AND 6" FIRE LINE. COORDINATE SPECIFIC LOCATION AND ELEVATION WITH BUILDING PLANS.

6 APPROXIMATE LOCATION OF 4" SANITARY SEWER SERVICE. COORDINATE SPECIFIC LOCATION AND ELEVATION WITH BUILDING PLANS.

7 APPROXIMATE LOCATION OF SAND/OIL SEPARATOR. COORDINATE SPECIFIC SIZE & LOCATION WITH BUILDING PLANS.

8 INSTALL 45° ELBOWS ON SANITARY SEWER SERVICE.

9 CONNECT TO EXISTING 6" WATER LINE AND INSTALL 53 LF OF 6" FIRE LINE AND GATE VALVE. COORDINATE SPECIFIC LOCATION WITH BUILDING PLANS.

10 RELOCATE EXISTING FIRE HYDRANT TO NORTH AS SHOWN.

11 CONNECT TO EXISTING 6" WATER LINE, INSTALL TWO 22½° BENDS, AND 196 LF OF 6" WATER LINE.

12 INSTALL FIRE HYDRANT, GATE VALVE, AND 9 LF OF 6" WATER LINE.

13 CONNECT TO EXISTING 2" METER YOKE, INSTALL TWO 22½° BENDS, 2 - 90° BENDS, AND 215 LF OF 2" WATER LINE TO BUILDING.

⚠ 14 INSTALL NEW INLET. INVERT OUT = 4577.15
FL ELEV = 4579.57
GRATE = 4579.44

⚠⚠ 15 INSTALL 57 LF OF 12" STORM PIPE AT 0.60%. INVERT AT NEW INLET = 4576.81.

⚠ 16 18" STORM PIPE HAS BEEN STUBBED TO EXISTING INLET. REMOVE EXISTING INLET, EXTEND 18" STORM PIPE AND INSTALL NEW INLET. INVERT OUT = 4575.80 ON EAST SIDE, INVERT OUT = 4576.25 ON WEST SIDE. GRATE ON EAST SIDE = 4577.96, GRATE ON WEST SIDE = 4578.47

17 12" PIPE HAS BEEN STUBBED TO PROPOSED INLET. EXTEND PIPE AS NECESSARY AND INSTALL INLET.

⚠ 18 ABANDON EXISTING WATER LINE IN PLACE. PLUG END OF PIPE REMOVE VALVE BOX TO 12" BELOW GRADE & FILL W/ SAND OR FLOWFILL.

⚠ 19 ADJUST MONITORING WELL TO GRADE.

⚠ 20 ABANDON MH. REMOVE CONE, PLUG END OF PIPE W/ CONCRETE AND FILL MH W/ GRAVEL, PIT RUN OR FLOWFILL.

⚠⚠ 21 INSTALL 56 LF OF 10" STORM PIPE AT 0.50%. INVERT AT EXISTING INLET = 4579.90. CONNECT TO EXISTING INLET AND GROUT WITH NON-SHRINK GROUT.

22 INSTALL NEW INLET. INVERT OUT = 4580.18

23 ADJUST FRAME AND GRATE TO GRADE AND GROUT.

24 APPROXIMATE LOCATION OF EXISTING 1½" FIRE STATION WATER SERVICE. THE METER IS CURRENTLY IN THE SOUTHEAST CORNER OF THE EXISTING BUILDING AND WILL BE INSTALLED IN THE SOUTHEAST ROOM OF THE NEW ADDITION. BUILDING CONTRACTOR TO EXCAVATE AND CONNECT TO NEW BUILDING.

25 ADJUST MANHOLE RIM TO GRADE. SEE GRADING PLAN FOR ELEVATIONS. IF AN INVERTED RING AND COVER ARE CURRENTLY INSTALLED, REPLACE WITH STANDARD RING AND COVER SUPPLIED BY CITY.

⚠⚠ 26 TEMPORARILY CONNECT 6" SERVICE TO EXISTING 12" VCP WITH INSERT-A-TEE. SERVICE SHALL BE 0.50' HIGHER THAN EXISTING INVERT. CITY CREWS WILL INSTALL NEW MH WHEN SEWER MAIN IS REPLACED AFTER NEW PD BUILDING IS OCCUPIED.

⚠ 27 INSTALL APPROXIMATELY 39 FEET OF 8" SDR-35 PVC PIPE. CONNECT WITH AN INSERTA-TEE AND INSTALL A 45° BEND IF NECESSARY. MINIMUM SLOPE IS 2% BUT SHALL BE FIELD DETERMINED BASED ON EXISTING STORM SEWER ELEVATION AND ROOF DRAIN ELEVATION UNDER THE FOUNDATION. THERE IS PLENTY OF ELEVATION DIFFERENCE. COORDINATE WITH MECHANICAL PLANS.

⚠ 28 INSTALL APPROXIMATELY 46 FEET OF 8" SDR-35 PVC PIPE. CONNECT WITH AN INSERTA-TEE AND INSTALL A 45° BEND IF NECESSARY. MINIMUM SLOPE IS 2% BUT SHALL BE FIELD DETERMINED BASED ON EXISTING STORM SEWER ELEVATION AND ROOF DRAIN ELEVATION UNDER THE FOUNDATION. THERE IS PLENTY OF ELEVATION DIFFERENCE. COORDINATE WITH MECHANICAL PLANS.

29 REFERENCE AND RESET CITY SURVEY MONUMENT.

30 XCEL TO INSTALL NEW POLE (APPROXIMATELY 170' EAST OF THE EAST SIDE OF 7TH STREET) TO TAKE POWER FROM OVERHEAD TO UNDERGROUND. CABLE WILL BE ON THIS POLE TOO.

31 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, AND CABLE (1 – 2" CONDUIT) IN THE EXISTING 14' MULTI-PURPOSE EASEMENT. GAS CONNECTS TO EXISTING PIPE APPROXIMATELY 250' EAST OF THE EAST SIDE OF 7TH STREET.

CONSTRUCTION NOTES CONTINUED

32 7TH STREET CAN BE OPEN CUT. PATCH ASPHALT PER CITY REQUIREMENTS INCLUDING T-TOPPING.

⚠ 33 UTILITY TRENCH FOR QWEST (2 – 4" CONDUITS) AND SPARE (1 – 4" CONDUIT) ON EAST SIDE OF EXISTING SIDEWALK.

⚠ 34 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (1 – 2" CONDUIT), QWEST (2 – 4" CONDUITS), CITY COMM (1 – 2" CONDUIT), SPARE (1 – 4" CONDUIT).

35 CABLE (2 – 2" CONDUITS) TO CONNECT TO THE BORE UNDER UTE PERFORMED BY THE CABLE COMPANY.

⚠ 36 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 – 2" CONDUITS), QWEST (2 – 4" CONDUITS), CITY COMM (1 – 2" CONDUIT), SPARE (1 – 4" CONDUIT).

37 XCEL TRANSFORMER APPROXIMATELY 7' X 7'. DOORS TO OPEN TO THE WEST. LOCATE IN THE LANDSCAPE ISLAND. FENCE TO CONTAIN DOORS TO ACCESS THE TRANSFORMER.

⚠ 38 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 – 2" CONDUITS), QWEST (2 – 4" CONDUITS), CITY COMM (1 – 2" CONDUIT), SPARE (1 – 4" CONDUIT).

39 CITY COMM CONDUIT (1 – 2" CONDUIT) TO CONNECT TO EXISTING PULLBOX.

⚠ 40 QWEST VAULT APPROXIMATELY 5' X 7'. ORIENT SO THE 7' DIRECTION RUNS EAST AND WEST. CONTRACTOR TO EXCAVATE FOR & SET VAULT. CITY IS PURCHASING VAULT SEPARATELY. COORDINATE CONDUIT INTO AND OUT OF VAULT WITH QWEST.

41 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 – 2" CONDUITS), QWEST (4 – 4" CONDUITS), AND CITY COMM (1 – 2" CONDUIT).

⚠ 42 QWEST (2 – 4" CONDUITS), UNDERGROUND LIGHTING (2 – 2" CONDUITS), GATE POWER (3 – 2" CONDUITS), CONTROL AND ANNUNCIATION (4 – 2" CONDUITS) AND CITY COMM (1 – 2" CONDUIT) INTO THE PD BUILDING.

⚠ 43 COMMON UTILITY TRENCH WITH CABLE (2 – 2" CONDUITS FROM THEIR PEDESTAL TO FS #1), QWEST (2 – 4" CONDUITS: 1 TO FS #1 AND ONE TO FA), CITY COMM (4 – 4" CONDUITS), GATE POWER (2 – 2" CONDUITS), CONTROL AND ANNUNCIATION (3 – 2" CONDUITS), AND SECURITY (2 – 4" CONDUITS).

⚠ 44 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (5 – 2" CONDUITS: 3 TO THE PEDESTAL AND 2 FROM THE PEDESTAL), GATE POWER (1 – 2" CONDUITS), CONTROL AND ANNUNCIATION (1 – 2" CONDUITS).

45 XCEL GAS TO THE PD BUILDING. COORDINATE EXACT LOCATION WITH MECHANICAL PLANS.

46 XCEL ELECTRIC TO TRANSFORMER.

47 XCEL TRANSFORMER APPROXIMATELY 7' X 7'. DOORS TO OPEN TO THE NORTH.

48 ELECTRIC TO THE PD BUILDING. COORDINATE EXACT LOCATION AND CONFIGURATION WITH ELECTRICAL PLANS.

49 XCEL ELECTRIC BORE TO THE SOUTH. XCEL WILL BE INSTALLING THIS.

50 CABLE (5 – 2" CONDUITS: 3 TO THE PEDESTAL AND 2 FROM THE PEDESTAL TO FS #1).

⚠ 51 CABLE (2 – 2" CONDUITS TO THE PEDESTAL), UNDERGROUND LIGHTING (2 – 2" CONDUITS) AND CCTV (2 – 2" CONDUITS).

52 COMMON UTILITY TRENCH WITH CABLE (2 – 2" CONDUITS) AND CITY TRAFFIC (1 – 2" CONDUIT). PLACE TRENCH ON SOUTH SIDE OF EXISTING SIDEWALK TO KEEP FROM DAMAGING WALK.

53 CABLE (1 – 2" CONDUIT) INTO FS #1.

54 COMMON UTILITY TRENCH WITH CABLE (3 – 2" CONDUITS) AND CITY TRAFFIC (1 – 2" CONDUIT). PLACE TRENCH ON SOUTH SIDE OF EXISTING SIDEWALK TO KEEP FROM DAMAGING WALK.

55 CABLE WILL INSTALL NEW POLE TO TAKE FIBER FROM OVERHEAD TO UNDERGROUND.

⚠ 56 INSTALL NEW CITY PULLBOX FOR I.T. AND/OR TRAFFIC.

⚠ 57 SCHEMATIC LOCATION OF SAND OIL SEPARATOR AND DISCHARGE LINE. MIN. SLOPE ON DISCHARGE IS ¼" PER FOOT.

58 INSTALL NEW PULLBOX FOR CITY IT AND/OR TRAFFIC.

⚠ 59 CITY COMM (4 – 4" CONDUITS), GATE POWER (2 – 2" CONDUITS), CONTROL AND ANNUNCIATION (3 – 2" CONDUITS), AND SECURITY (2 – 4" CONDUITS).

⚠ 60 COMMON UTILITY TRENCH WITH CABLE (2 – 2" CONDUITS), QWEST (1 – 4" CONDUIT), CITY COMM (2 – 4" CONDUITS) AND SECURITY (1 – 4" CONDUIT). ALL GOING TO FS #1.

⚠ 61 COMMON UTILITY TRENCH WITH QWEST (1 – 4" CONDUIT), CITY COMM (2 – 4" CONDUITS) AND SECURITY (1 – 4"). ALL GOING TO FA.

62 COMMON UTILITY TRENCH WITH CABLE (2 – 2" CONDUITS) AND CITY COMM (3 – 4" CONDUITS) BETWEEN FS #1 AND FA.

63 CABLE (2 – 2" CONDUITS) INTO PD.

64 CITY COMM (1–2" CONDUIT).

65 RESTORE ANY REMOVED OR DAMAGED SIDEWALK WITH COMPACTED ASPHALT MILLINGS AS NECESSARY UNTIL FINAL CONSTRUCTION.

⚠ 66 TEMPORARILY RESTORE FIRE APRON WITH 4" OF HBP ON 12" OF CLASS 6 BASE COURSE.

67 CABLE PEDESTAL TO BE INSTALLED BY THE CABLE COMPANY.

68 EXISTING TEMPORARY POLICE BUILDING. ALL UTILITIES MUST BE BORED UNDER IT.

69 UNDERGROUND LIGHTING (2 – 2" CONDUITS). REFER TO ELECTRICAL PLANS.

70 GATE POWER (1 – 2" CONDUIT) AND CONTROL AND ANNUNCIATION (1 – 2" CONDUIT). REFER TO ELECTRICAL PLANS.

71 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 – 2" CONDUITS), QWEST (4 – 4" CONDUITS), CITY COMM (1 – 2" CONDUIT), AND UNDERGROUND LIGHTING (2 – 2" CONDUITS).

72 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 – 2" CONDUITS), QWEST (4 – 4" CONDUITS), CITY COMM (1 – 2" CONDUIT), UNDERGROUND LIGHTING (2 – 2" CONDUITS), GATE POWER (1 – 2" CONDUIT), AND CONTROL AND ANNUNCIATION (1 – 2" CONDUIT).

73 COMMON UTILITY TRENCH WITH GAS, ELECTRIC, CABLE (3 – 2" CONDUITS), QWEST (4 – 4" CONDUITS), CITY COMM (1 – 2" CONDUIT), UNDERGROUND LIGHTING (2 – 2" CONDUITS), GATE POWER (2 – 2" CONDUITS), AND CONTROL AND ANNUNCIATION (2 – 2" CONDUITS).

74 CONTROL AND ANNUNCIATION (1 – 2" CONDUIT). REFER TO ELECTRICAL PLANS.

75 UNDERGROUND LIGHTING (2 – 2" CONDUITS) AND CCTV (2 – 2" CONDUITS). REFER TO ELECTRICAL PLANS.

76 COMMON UTILITY TRENCH WITH QWEST (1 – 4" CONDUIT) AND CITY COMM (2 – 4" CONDUITS), GATE POWER (2 – 2" CONDUITS), AND CONTROL AND ANNUNCIATION (3 – 2" CONDUITS), AND SECURITY (1 – 4" CONDUIT).

77 GATE POWER (2 – 2" CONDUITS), AND CONTROL AND ANNUNCIATION (3 – 2" CONDUITS), REFER TO ELECTRICAL PLANS.

78 FLOWFILL STREET CROSSINGS

79 QWEST (3 – 4" CONDUITS). STOP CONDUITS 5' BEHIND CURB NEAR BRESNAN PEDESTAL.

⚠ 80 STUB SPARE CONDUIT INTO CITY PULLBOX.

⚠ 81 INSTALL SMALL BRESNAN PEDESTAL. COORDINATE WITH BRESNAN.

⚠ 82 PROTECT AND ADJUST BOXES TO GRADE.

⚠ 83 NOT USED.

⚠ 84 INSTALL 40 LF 12" SDR-35 PVC STORM SEWER @ 0.80%. CORE INTO MANHOLE. INV @ MH = 4576.64, PIPE END INV = 4576.96. INSTALL CAP ON END OF PIPE AND MARK WITH GREEN 4x4 POST.

BLYTHE GROUP LLC
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CITY OF Grand Junction COLORADO

GRAND JUNCTION PUBLIC SAFETY FACILITIES 911 REGIONAL COMMUNICATION CENTER AND POLICE BUILDING

555 UTE AVENUE GRAND JUNCTION, CO 81501

UTILITY PLAN 600 BLOCK

FOR CONSTRUCTION

REVISIONS	DATE:
⚠ REVISE NOTES & STORM SEWER, ADD LIGHTING AND SECURITY CONDUIT.	05/24/2011
⚠ REVISE NOTES, ADD NOTES, ADD SITE CONDUITS, ADD FLOWFILL, MOVE QWEST VAULT & ADD QWEST CONDUITS	05/25/2011
⚠ RECIRCUIT QWEST AND CITY PULLBOX, CHANGE SPARE CONDUITS FROM QWEST TO CITY, DROP 1-4" CONDUIT.	05/31/2011
⚠ CLARIFY NOTES, ADD SAND/OIL SEPARATOR, ADDED NOTES 18, 19, 20 & 26	06/26/2011
⚠ CLARIFY NOTES AND ADDED NOTES 82, 83 & 84	08/26/2011
⚠ REVISED & ADDED NOTES, STORM FOR PLAZA AREA	09/22/2011
⚠ RELOCATED PED LIGHTS, ADD STORM TO FS, PLAN REVISED NOTES 93, 87 & ADDED NOTES 83-118	01/23/2012
⚠ MODIFIED NOTE 84 AND ADDED NOTES 119, 120, 121 & 122	03/19/2012

DATE: 09/22/2011

PROJECT #: 1031-1

SHEET #: **C2-2**

Project Team: DRAWN: JAH
DESIGNED: RAD
Print Date: 05/24/2011 08:00:00

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS NO.	LAMPS TYPE	BALLAST NO.	BALLAST TYPE	TOTAL WATTS	VOLTS	MOUNTING TYPE	MOUNTING HEIGHT	NOTES
AA	SUSPENDED LINEAR LED	LEDALITE	1201 LAA Q S xx 7 2 E T	1	LED	1	5% DIMM	37.5	277	SUSPENDED	10' UON	1,2,5,6,9
AD	SUSPENDED LINEAR LED W/ INTEGRAL DAYLIGHT SENSOR	LEDALITE	1201 LAA Q S xx 7 2 E T DS	1	LED	1	5% DIMM	37.5	277	SUSPENDED	10' UON	1,2,5,6,9
AF	SUSPENDED LINEAR FLUOR	LEDALITE	1201 F10 Q S xx 1 2 E T	1	F28T5	1	ELEC	28	277	SUSPENDED	10' UON	1,2,5,6,9
AG	SUSPENDED LINEAR FLUOR	LEDALITE	1201 F20 Q S xx 2 2 E T	2	F28T5	1	STEP DIMM	56	277	SUSPENDED	10' UON	1,2,5,6,9
AK	CANTILEVER WALL MOUNT FLUOR	LEDALITE	1238 F10 Q S xx 1 2 E T	1	F28T5	1	ELEC	28	277	WALL	AS NOTED	1,2,5,6,9
AS	FLUOR WALL MOUNTED ASYMETRICAL	LEDALITE	1228 F20 Q S xx 1 2 E T-DS	2	F28T5	1	STEP DIMM	56	277	WALL	8' UON	1,2,5,6,9
AW	FLUOR WALL MOUNTED ASYMETRICAL	LEDALITE	1228 F10 Q S xx 1 2 E T	1	F28T5	1	ELEC	28	277	WALL	9'-4" UON	1,2,5,6,9
BA	2L 2X4 RECESSED	LEDALITE	3324 D1 ST F228 S 2 2 E	2	F28T5	1	STEP DIMM	56	277	RECESSED		1,3,6
BB	2L 2X4 RECESSED DIMMING	LEDALITE	3324 D1 ST F228 S 7 2 E	2	F28T5	2	5% DIMM	56	277	RECESSED		1,3,6
BV	2L 1X4 VIDEO TELECONF. RECESSED	COLUMBIA	VC-14-228-PVC-U-DIM	2	F28T5	1	5% DIMM	56	277	RECESSED		1,3,6,8
CA	2L 2X4 LENSED TROFFER	HE WILLIAMS	50GS 24 2 28T5S S A12125 EB2 277	2	F28T5	1	ELEC	56	277	RECESSED		1,3,6
CB	3L 2X4 LENSED TROFFER	HE WILLIAMS	50GS 24 3 28T5S S A12125 EB2 277	3	F28T5	1	ELEC	84	277	RECESSED		1,3,6
CC	2L 2X2 LENSED TROFFER	HE WILLIAMS	50GS 22 2 14T5S S A12125 EB2 277	2	F14T5	1	ELEC	28	277	RECESSED		1,3,6
DA	6" SQUARE LED DOWNLIGHT	HE WILLIAMS	LEDS5Q60 1100 41K 277	1	LED	1	5% DIMM	18	277	RECESSED		1,3,6
DC	6" SQUARE FLOUR DOWNLIGHT	HE WILLIAMS	PHSQ60 142T EB1 277	1	F42TTT	1	ELEC	42	277	RECESSED		1,3,6
DD	6" SQUARE WALL WASH DOWNLIGHT	HE WILLIAMS	PHSQ60 142T WW EB1 277	1	F42TTT	1	5% DIMM	42	277	RECESSED		1,3,6
DS	6" HIGH IMPACT LENS DOWNLIGHT, UL WET	PRESCOLITE	CFT632HEB STF602H PW PL	1	F26TTT	1	ELEC	26	277	RECESSED		1,3,6,12
DW	EXTERIOR LED DOWNLIGHT	KENALL	ME 11 MR1 24L40K	1	LED	1	ELEC	24	277	RECESSED		1,3,6,12
DZ	12" SQUARE LED DOWNLIGHT	KENALL	ME 11 MR1 24L40K	1	LED	1	5% DIMM	24	277	RECESSED		1,3,6
H2	2L 2X4 HINGED DOORFRAME	KENALL	RMCD4-x-1-2 F32T8-IS1-277-7/2-1	2	F32T8	1	ELEC	64	277	RECESSED		1,3,6
H3	3L 2X4 HINGED DOORFRAME	KENALL	RMCD4-x-1-3 F32T8-IS1-277-7/2-1	3	F32T8		ELEC	96	277	RECESSED		1,3,6
I2	2L 1X4 INDUSTRIAL STRIP	HE WILLIAMS	GLN-4-228T5S-EB2-UNV-OCCSEN-SCHA118	2	F28T5	1	ELEC	56	277	SUSPENDED	9'	1,2,5,6
IG	INDUSTRIAL CORNER MOUNTED	KENALL	MLHA8S-XX/XX/XX-F-LG-CP-254-RS2-277-CMB	2	F28T5HO	2	ELEC (OR STEP DIMM)	84	277	CORNER	9'	1,2,5,6,7
JA	RECESSED LINEAR DIRECT	PINNACLE	E4A-2T5-xx-FL-UNV-IC-CC	2	F28T5	1	ELEC	56	277	RECESSED - CEILING		1,3,6,8
JB	WALL RECESSED LINEAR DIRECT SEE PRO 4	PINNACLE	E4A-2T5-xx-FL-UNV-IC-CC	2	F28T5	1	ELEC	56	277	RECESSED - WALL		1,3,6,8
JC	WALL RECESSED LINEAR DIRECT	PINNACLE	E4A-1T5-xx-FL-UNV-IC-CC	1	F28T5	1	ELEC	28	277	RECESSED - WALL		1,3,6,8
P	PENDANT	CAMMAN	P5000-36-LED-277-CA-CPF-AC-MOD	1	LED		--		277	SUSPENDED	10' 2"	1,2,5,6,13
R2	2' ROUND TROFFER	HE WILLIAMS	RND-2-3T5-XX-FL-UNV-1C-CC	3	F14T5	2	ELEC	42	277	RECESSED		1,3,6
R3	3' ROUND TROFFER	HE WILLIAMS	RND-3-425-FXA-EB2/2	4	21T5S	2	ELEC	84	277	RECESSED		1,3,6
R4	4' ROUND TROFFER	HE WILLIAMS	RND-4-628T5-FXA-EB4/2	6	28WT5	2	ELEC	168	277	RECESSED		1,3,6
SA	INTERIOR SCONCE	INDESSA	425 2CFQ26-MOD				ELEC		277	WALL		1,2,5,6,11
SF	CUSTOM EXTERIOR SCONCE 18" SQUARE	LUMOS	EXD-LED 5038-A-14	2	LED		--		277	WALL	13' 10"	1,2,5,6
SG	CUSTOM EXTERIOR SCONCE 14" SQUARE	LUMOS	EXD-LED 5038-A-18	2	LED		--		277	WALL	13' 10"	1,2,5,6
SL	EXTERIOR CUT OFF	AEL	AEL 48 128 277 CL BKH	1	28WT5		ELEC	28	277	WALL	8' 6"	1,2,5,6
SM	EXTERIOR CUT OFF	AEL	AEL 48 128 277 CL BKH-OCC	1	28WT5		ELEC	28	277	WALL	8' 6"	1,2,5,6
SP	EXTERIOR WALL GRAZE FLOOD	AEL	ON-18LED-BW-CUSTOM-NAH-RECESS	1	LED		--	19	277	WALL	14' 8"	2,5,6,12,14
TA	TASK LIGHT - LED	BRUCK	ORION 138501MC-XX 14	1	LED		--	--	277	SURFACE UNDER CABINET		5,6,10
TB	DOCK LIGHT WITH 40" ARM			1	55W CF	--	--	55	120			
X1	EMERGENCY EXIT SIGN	EXITRONIX	S902-LB RC BA		LED		--	1.5	277	SURFACE		1,2,4,5,6
X2	EMERGENCY EXIT SIGN	EXITRONIX	S903-LB RC BA		LED		--	3	277	SURFACE		1,2,4,5,6
X9	LED "IN USE" LIGHT	EXITRONIX	903R-LB RC ZC BA		LED		--	3	277	RECESSED		1,3,6

R.E.: @ 16.5 IN ACT. CEILING

NOTES:

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF FIXTURES IN THE CEILING GRID.
2. MOUNTING HEIGHT FOR FIXTURE AS INDICATED, BOTTOM OF FIXTURE HEIGHT ABOVE FINISHED FLOOR (AFF), UNLESS OTHERWISE NOTED ON DRAWINGS.
3. VERIFY CEILING TYPE WITH ARCHITECTURAL PLANS PRIOR TO ORDERING FIXTURE AND PROVIDE APPROPRIATE TRIM TO ACCOMMODATE CEILING TYPE.
4. PROVIDE DIRECTIONAL ARROWS WHERE INDICATED ON DRAWINGS. MOUNTING HEIGHT 8' AFF ON OPEN WALLS OR 4" ABOVE DOOR FRAME WHEN ABOVE A DOOR
5. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS
6. COORDINATE FIXTURE FINISHES WITH ARCHITECTS.
7. WHERE DIMMING OR STEP DIMMING BALLASTS ARE INDICATED ENSURE BALLAST IS COMPATIBLE WITH DIMMING CONTROLS.
8. FOR TYPE Jx FIXTURES, PROVIDE CONTINUOUS LINEAR ASSEMBLY WITH ILLUMINATED CONNECTOR OPTION WHERE REQUIRED TO TURN AT A RIGHT ANGLE, SEE ARCHITECTURAL ELEVATIONS FOR ADDITIONAL DETAIL.
9. FOR TYPE Ax FIXTURES PROVIDE CONTINUOUS LINEAR ASSEMBLY AS INDICATED. PROVIDE LUMINOUS END CAP AT EACH END OF EACH LINEAR ASSEMBLY.
10. COORDINATE MOUNTING OF TASK AND UNDER CABINET LIGHTING WITH ARCHITECTURAL CASEWORK DETAILS. PROVIDE LENGTH AS REQUIRED FOR LENGTH OF CABINET IN EACH LOCATION, AS INDICATED.
11. FIXTURE TYPE SA MODIFY STANDARD TO SOLID FRONT WITH FINISH TO MATCH TYPE Ax.
12. UL WET LOCATION.
13. MODIFY LUMINAIRE P:4100K LED; 20% UP LIGHT / 80% DOWN LIGHT; CA - ARCHITECT SHALL SELECT LENS FROM MANUFACTURERS FULL LINE OF ACRYLICS, PROVIDE SAMPLES UPON REQUEST; CPF = MATCH FINISH TO FIXTURE TYPE AF.
14. FOR TYPE SP FIXTURES MATCH FINISH TO TYPE SG AND SF, PROVIDE 4100K LEDS, MOUNT SEMI-RECESSED CENTERED ABOVE SIGN SUPPORTS, SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS.

SITE LUMINAIRE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS NO.	LAMPS TYPE	TOTAL WATTS	VOLTS	MOUNTING TYPE	MOUNTING HEIGHT	NOTES
W9-3	POLE MOUNTED LED AREA LUMINAIRE, TYPE 3 DISTRIBUTION	KIM	WP9L3-120-L5K-277	120	LED	140	277	POLE	30'	1,2
W9-4	POLE MOUNTED LED AREA LUMINAIRE, TYPE 4 DISTRIBUTION	KIM	WP9L4-120-L5K-277	120	LED	140	277	POLE	30'	1,2
SP	LED GRADE MOUNTED	ABS	5550LED-HRN-5000K WHITE-277-BD-KSF-00BLK	36	5000K LED	42	277	SLIPFIT	~5"	3
SQ	IN-GRADE FLAG LIGHT, LED, NARROW FLOOD	KIM	LTV71NF-18L5K-UV-TR50	1	23W LED 5000K	23	277	IN-GRADE	0'	--

NOTES:

1. 27' ROUND TAPERED STEEL POLE. MATCH POLE FINISH AND FIXTURE FINISH TO APPROVED ARCHITECTURALLY SPECIFIED PAINT COLOR. VERIFY FINISH WITH ARCHITECT AND OWNER PRIOR TO ORDERING FIXTURE. POLE FINISH AND POLE ACCESSORIES AND ENCLOSURE FINISHES SHALL MATCH APPROVED LUMINAIRE FINISH.
2. PROVIDE 3' HIGH CONCRETE BASE. FIXTURE MOUNTING HEIGHT EQUALS POLE AND BASE.
3. PROVIDE 5000K LED TO MATCH TYPE SQ. ADJUST SHIELDS TO BEST ILLUMINATE SIGN AND LIMIT GLARE THRU ARCH AND ABOVE SIGN.

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ELECTRICAL LUMINAIRE SCHEDULE

FOR CONSTRUCTION

REVISIONS	DATE:
4	10/03/11

DATE: 07/26/11

PROJECT #: 1031-1

SHEET #:

E7-1

Project Team:
Print Date: 10/6/2011 10:32:20 AM