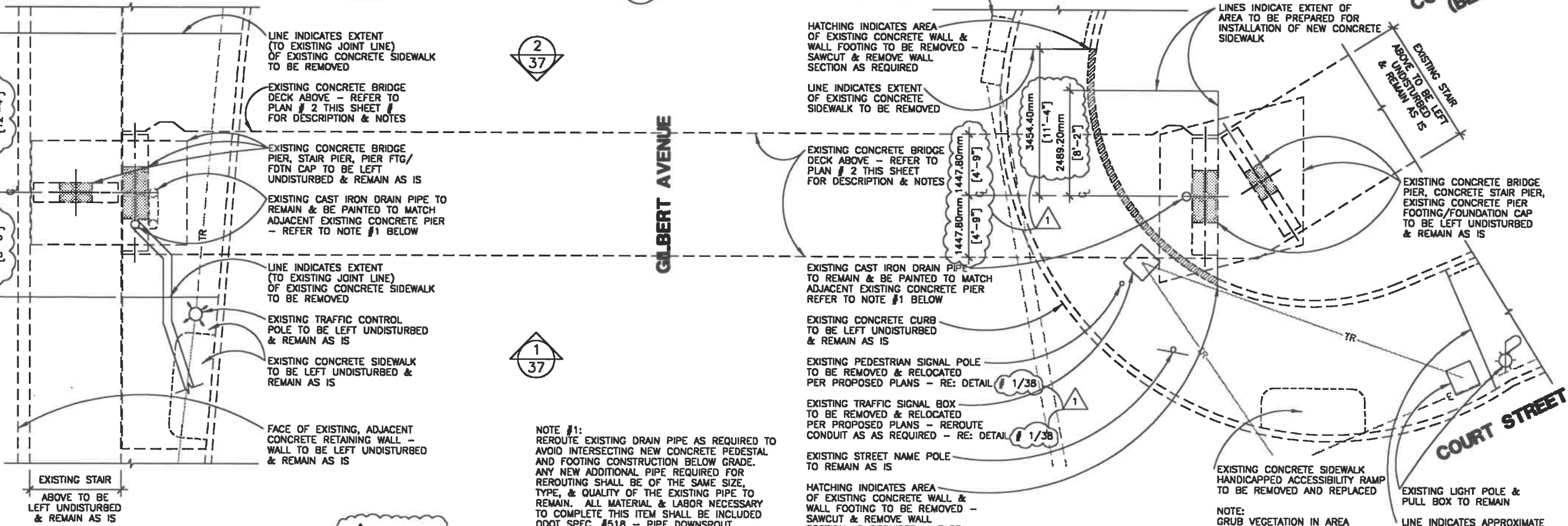


EXISTING PLAN @ BRIDGE LEVEL

SCALE = 1 : 80 (metric)

1 11/01/1999

NOTE #2:
EXISTING REINFORCING STEEL SHALL BE RECESSED A MINIMUM OF 50.80mm FROM THE PROPOSED FACE. RECESSES SHALL BE PATCHED PER ODOT SPEC. #511



EXISTING PLAN @ STREET LEVEL

SCALE = 1 : 80 (metric)

1 11/01/1999

NOTE #1:
REROUTE EXISTING DRAIN PIPE AS REQUIRED TO AVOID INTERSECTING NEW CONCRETE PEDESTAL AND FOOTING CONSTRUCTION BELOW GRADE. ANY NEW ADDITIONAL PIPE REQUIRED FOR REROUTING SHALL BE OF THE SAME SIZE, TYPE, & QUALITY OF THE EXISTING PIPE TO REMAIN. ALL MATERIAL & LABOR NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED ODOT SPEC. #518 - PIPE DOWNSPOUT INCLUDING SPECIALS

N

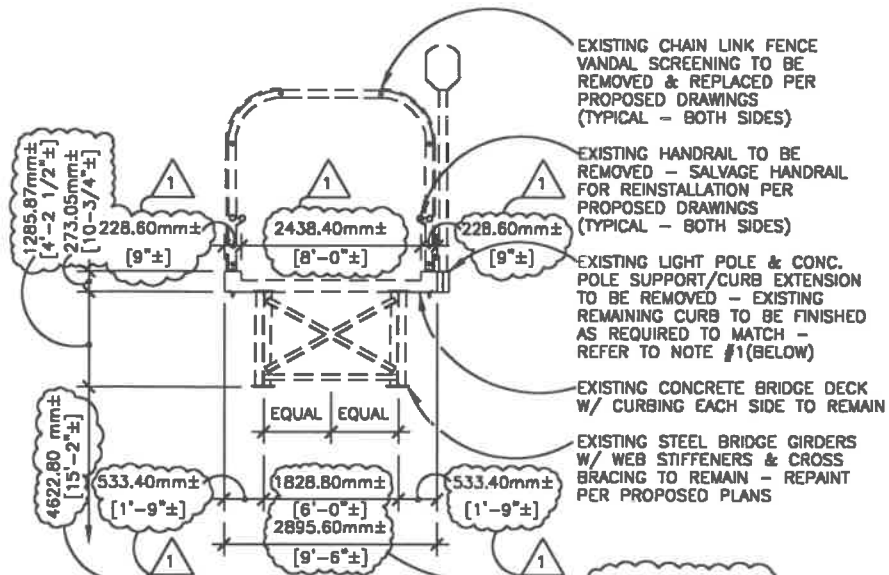
1 : 50 (METRIC)

CALCULATED
JWS
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
PLANS - EXISTING BRIDGE CONDITIONS

HAM-DOWNTOWN-GATEWAYS
GILBERT AVENUE

35
77



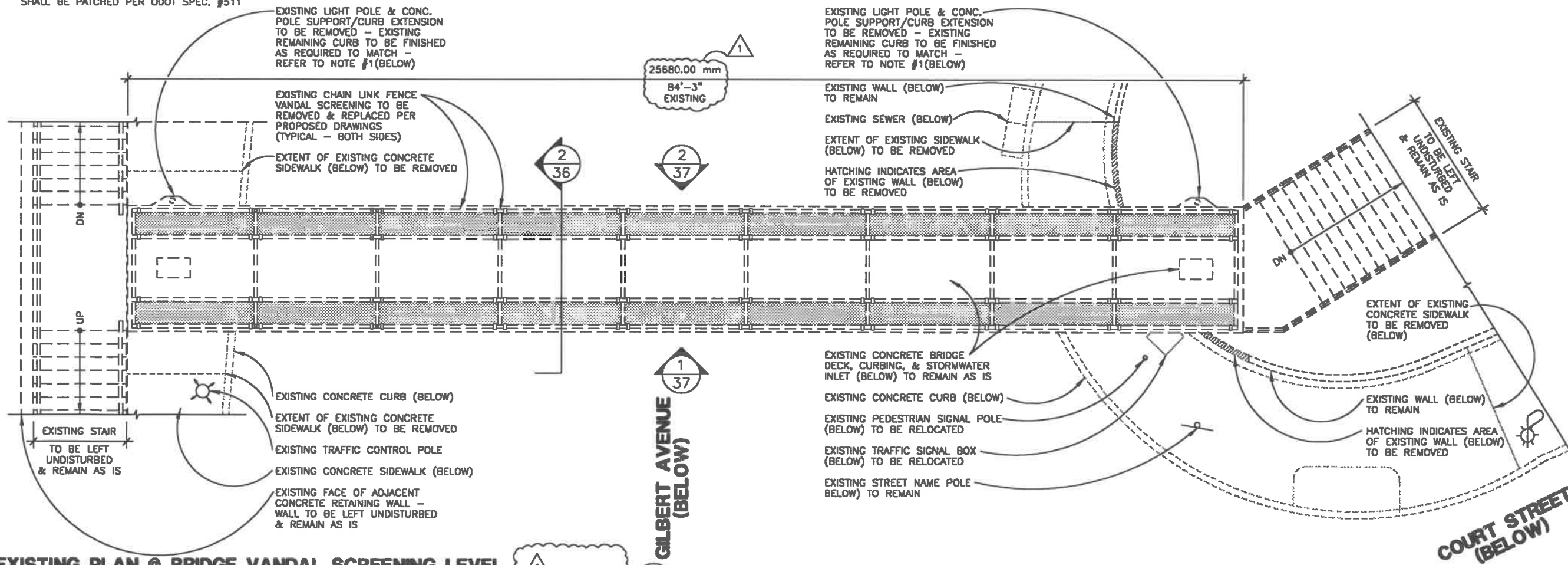
EXISTING BRIDGE SECTION

SCALE = 1 : 80 (metric)

NOTE #1:
EXISTING REINFORCED STEEL SHALL BE RECESSED A MINIMUM OF 50.80mm FROM THE PROPOSED FACE. RECESSES SHALL BE PATCHED PER ODOT SPEC. #511

- EXISTING CHAIN LINK FENCE VANDAL SCREENING TO BE REMOVED & REPLACED PER PROPOSED DRAWINGS (TYPICAL - BOTH SIDES)
- EXISTING HANDRAIL TO BE REMOVED - SALVAGE HANDRAIL FOR REINSTALLATION PER PROPOSED DRAWINGS (TYPICAL - BOTH SIDES)
- EXISTING LIGHT POLE & CONC. POLE SUPPORT/CURB EXTENSION TO BE REMOVED - EXISTING REMAINING CURB TO BE FINISHED AS REQUIRED TO MATCH - REFER TO NOTE #1(BELOW)
- EXISTING CONCRETE BRIDGE DECK W/ CURBING EACH SIDE TO REMAIN
- EXISTING STEEL BRIDGE GIRDERS W/ WEB STIFFENERS & CROSS BRACING TO REMAIN - REPAINT PER PROPOSED PLANS

1 11/01/1999 2/36



EXISTING PLAN @ BRIDGE VANDAL SCREENING LEVEL

SCALE = 1 : 80 (metric)

NOTE #1:
EXISTING REINFORCED STEEL SHALL BE RECESSED A MINIMUM OF 50.80mm FROM THE PROPOSED FACE. RECESSES SHALL BE PATCHED PER ODOT SPEC. #511

- EXISTING LIGHT POLE & CONC. POLE SUPPORT/CURB EXTENSION TO BE REMOVED - EXISTING REMAINING CURB TO BE FINISHED AS REQUIRED TO MATCH - REFER TO NOTE #1(BELOW)
- EXISTING CHAIN LINK FENCE VANDAL SCREENING TO BE REMOVED & REPLACED PER PROPOSED DRAWINGS (TYPICAL - BOTH SIDES)
- EXTENT OF EXISTING CONCRETE SIDEWALK (BELOW) TO BE REMOVED
- EXISTING CONCRETE CURB (BELOW)
- EXTENT OF EXISTING CONCRETE SIDEWALK (BELOW) TO BE REMOVED
- EXISTING TRAFFIC CONTROL POLE
- EXISTING CONCRETE SIDEWALK (BELOW)
- EXISTING FACE OF ADJACENT CONCRETE RETAINING WALL - WALL TO BE LEFT UNDISTURBED & REMAIN AS IS

- EXISTING LIGHT POLE & CONC. POLE SUPPORT/CURB EXTENSION TO BE REMOVED - EXISTING REMAINING CURB TO BE FINISHED AS REQUIRED TO MATCH - REFER TO NOTE #1(BELOW)
- EXISTING WALL (BELOW) TO REMAIN
- EXISTING SEWER (BELOW)
- EXTENT OF EXISTING SIDEWALK (BELOW) TO BE REMOVED
- HATCHING INDICATES AREA OF EXISTING WALL (BELOW) TO BE REMOVED
- EXISTING CONCRETE BRIDGE DECK, CURBING, & STORMWATER INLET (BELOW) TO REMAIN AS IS
- EXISTING CONCRETE CURB (BELOW) TO REMAIN
- EXISTING PEDESTRIAN SIGNAL POLE (BELOW) TO BE RELOCATED
- EXISTING TRAFFIC SIGNAL BOX (BELOW) TO BE RELOCATED
- EXISTING STREET NAME POLE (BELOW) TO REMAIN

1 11/01/1999 1/36

2

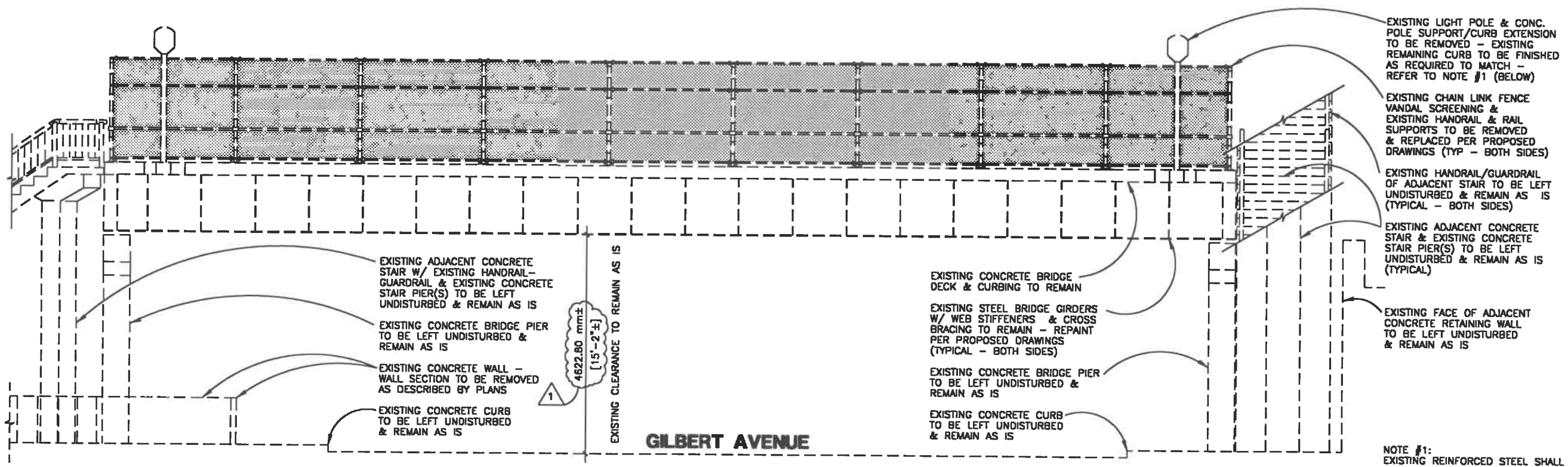
1 : 50 (METRIC)

CALCULATED JWS CHECKED JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
PLANS / SECTIONS - EXISTING BRIDGE CONDITIONS

HAM-DOWNTOWN-GATEWAYS
GILBERT AVENUE

8/7



EXISTING SOUTHWEST BRIDGE ELEVATION

SCALE = 1 : 80 (metric)

1 11/01/1999

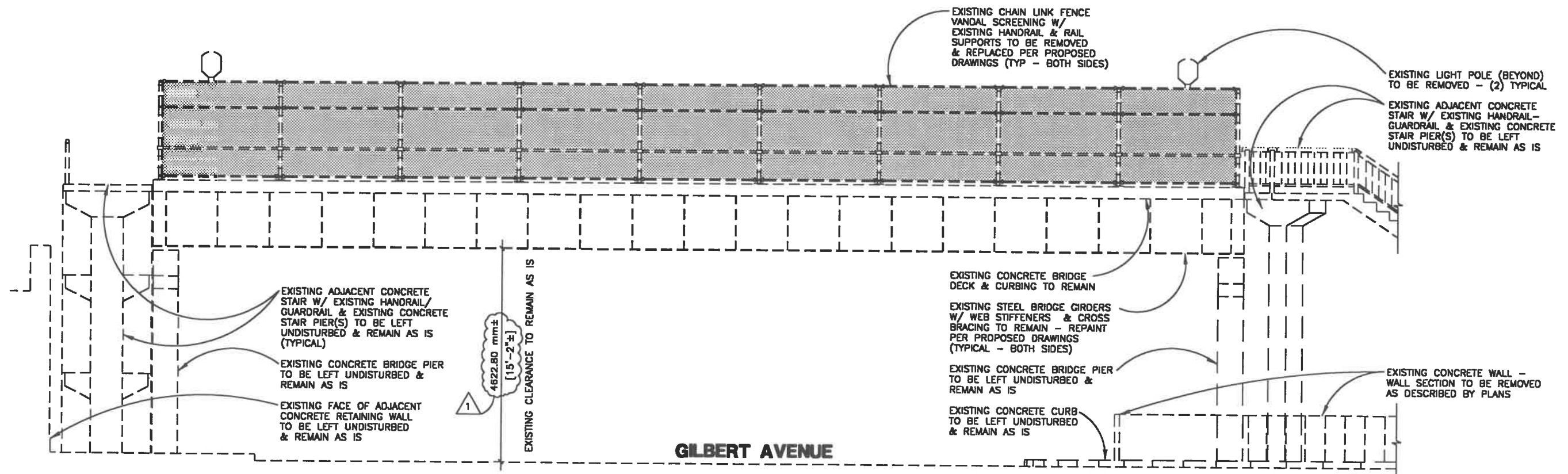
2 37

NOTE #1:
EXISTING REINFORCED STEEL SHALL BE RECESSED A MINIMUM OF 50.80mm FROM THE PROPOSED FACE. RECESSES SHALL BE PATCHED PER ODOT SPEC. #

1 : 50 (METRIC)

CALCULATED JWS
CHECKED JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
ELEVATIONS - EXISTING BRIDGE CONDITIONS



EXISTING NORTHEAST BRIDGE ELEVATION

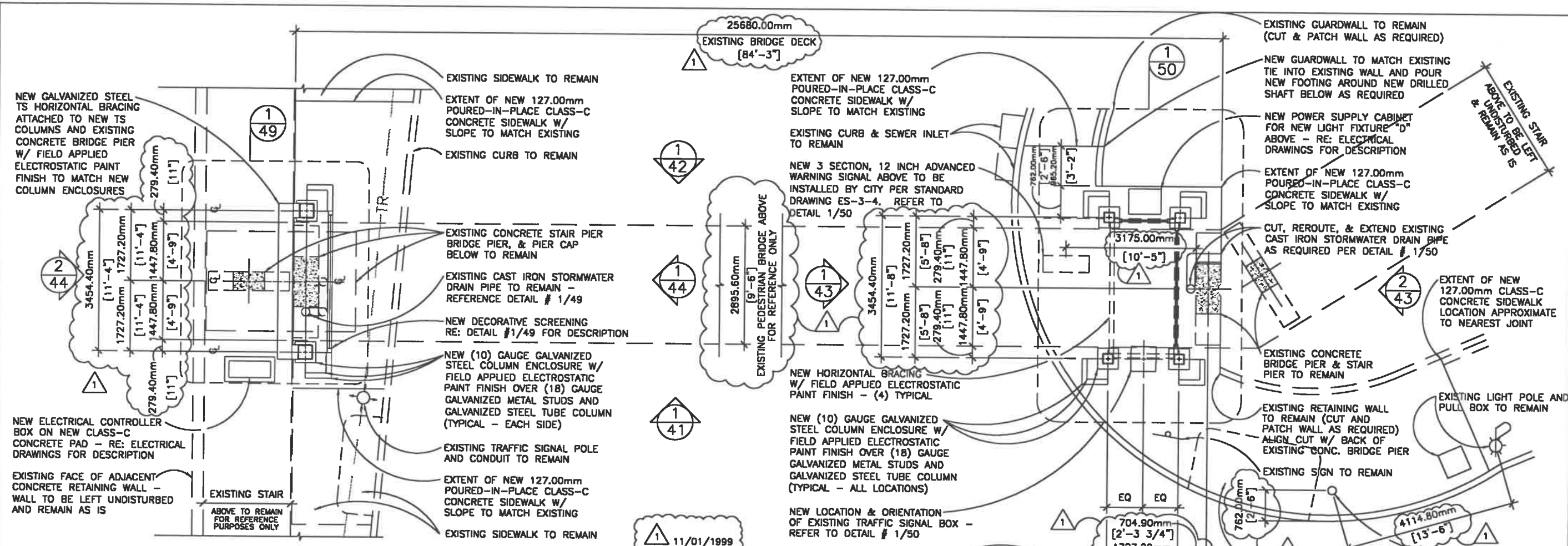
SCALE = 1 : 80 (metric)

1 11/01/1999

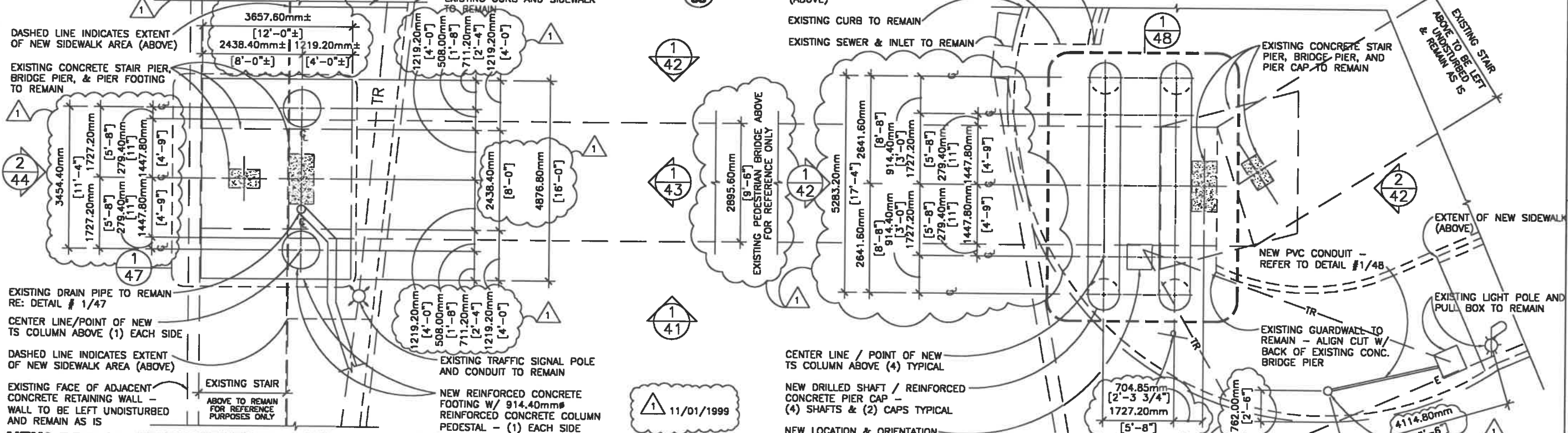
1 37

HAM-DOWNTOWN-GATEWAYS
GILBERT AVENUE

37 77



NEW BRIDGE IMPROVEMENT PLAN AT STREET / SIDEWALK LEVEL
 SCALE = 1 : 50 (metric)



NEW BRIDGE IMPROVEMENT PLAN @ FOOTING / FOUNDATION LEVEL
 SCALE = 1 : 50 (metric)

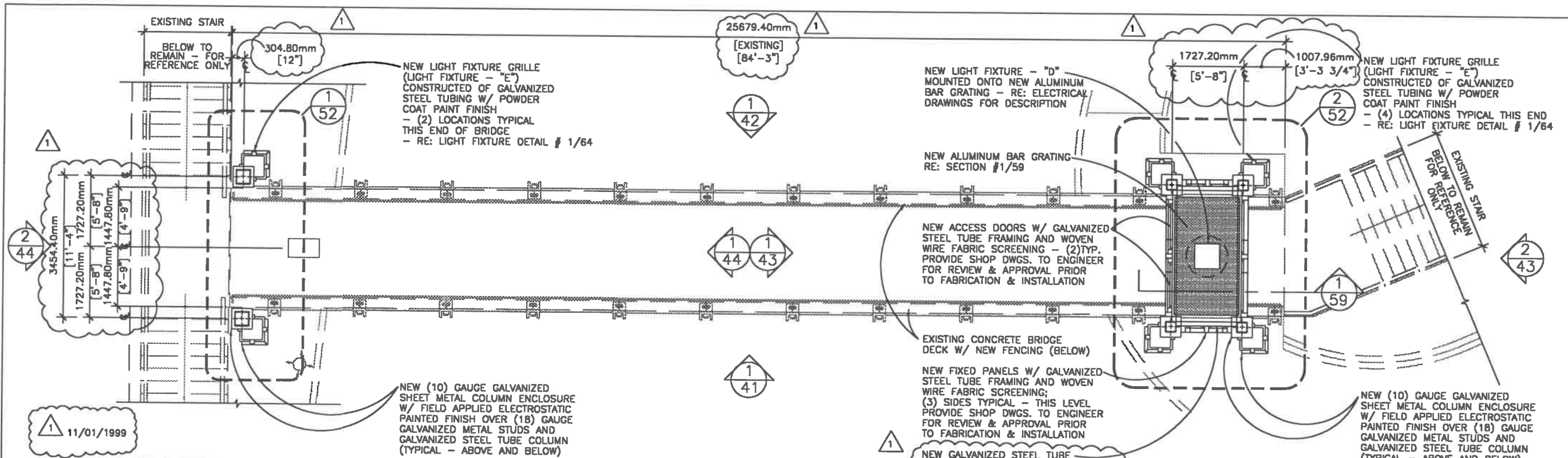
GILBERT AVENUE PEDESTRIAN BRIDGE
PLANS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

CALCULATED: KJK
 CHECKED: JWS

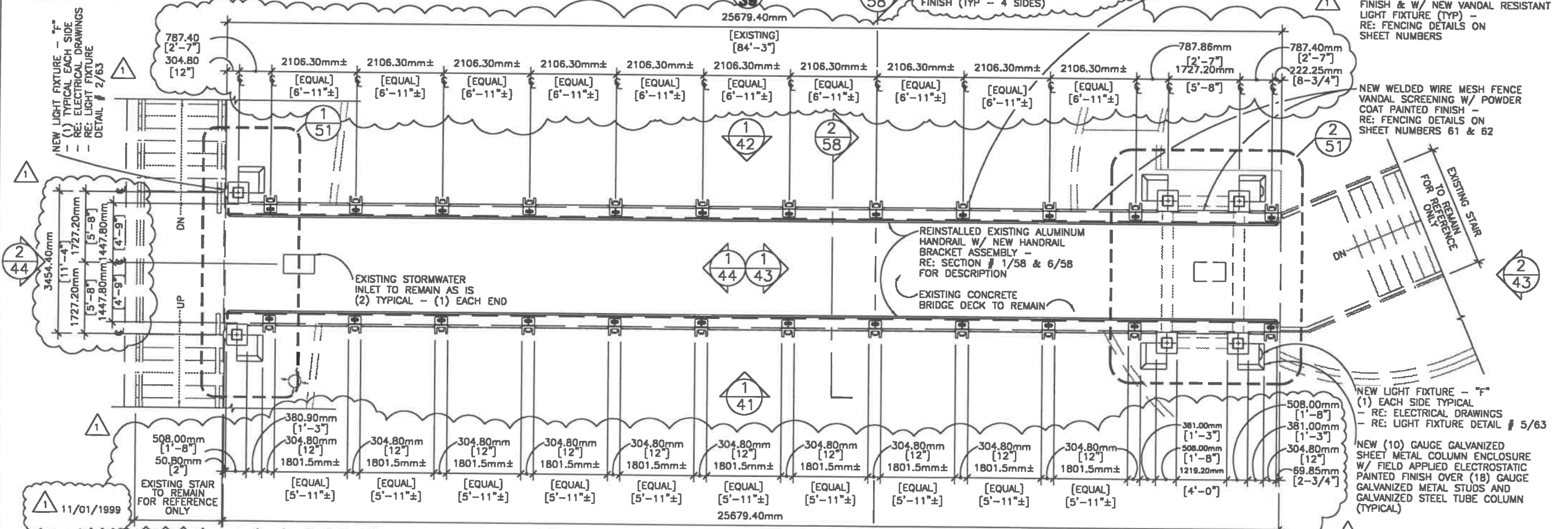
0 0.5 1 2
 1:50; METRIC

38
 77



NEW BRIDGE IMPROVEMENT PLAN @ LIGHT FIXTURE - "D" PLATFORM LEVEL & LIGHT FIXTURE - "E" LEVEL

SCALE = 1 : 50 (metric)



NEW BRIDGE IMPROVEMENT PLAN @ BRIDGE DECK LEVEL

SCALE = 1 : 50 (metric)

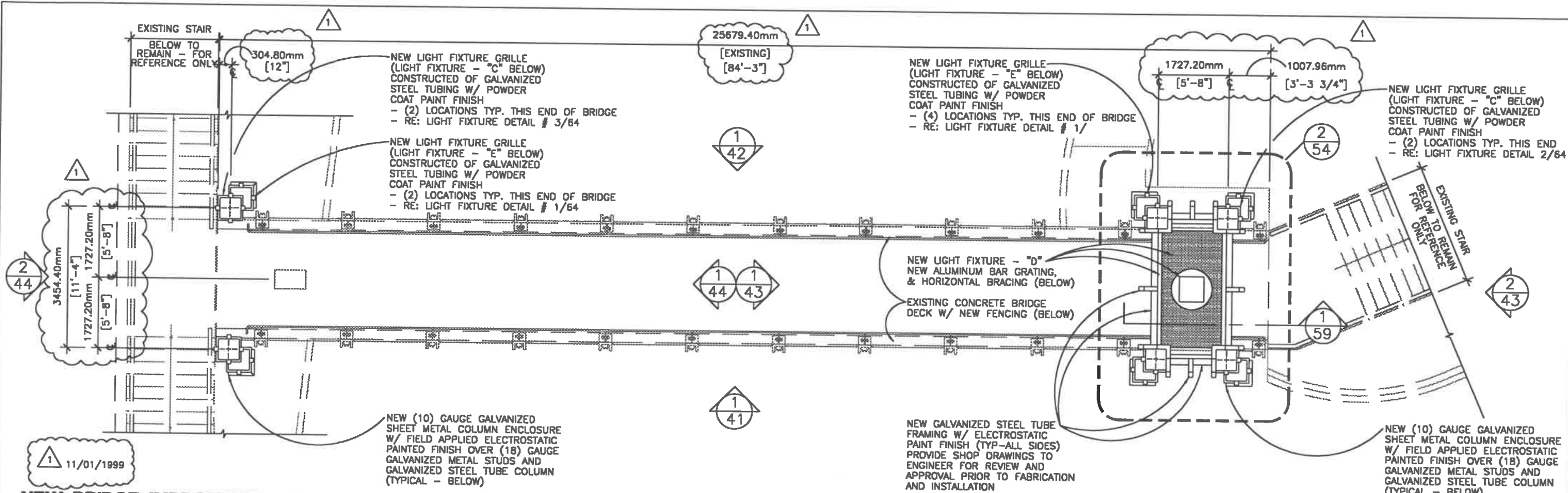
GILBERT AVENUE PEDESTRIAN BRIDGE
PLANS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

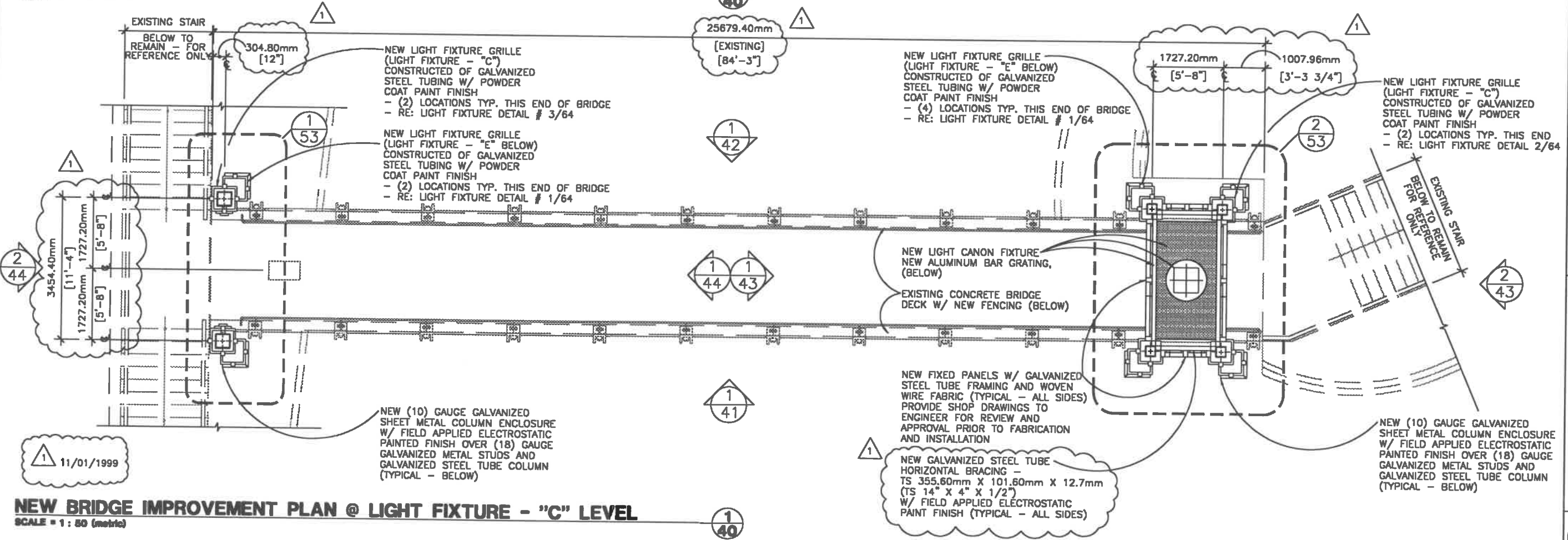
CALCULATED
KJK
CHECKED
JWS

11/01/1999

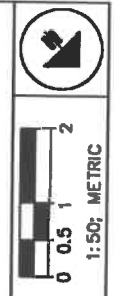
39
77



NEW BRIDGE IMPROVEMENT PLAN @ TOP OF TOWER
SCALE = 1 : 80 (metric)



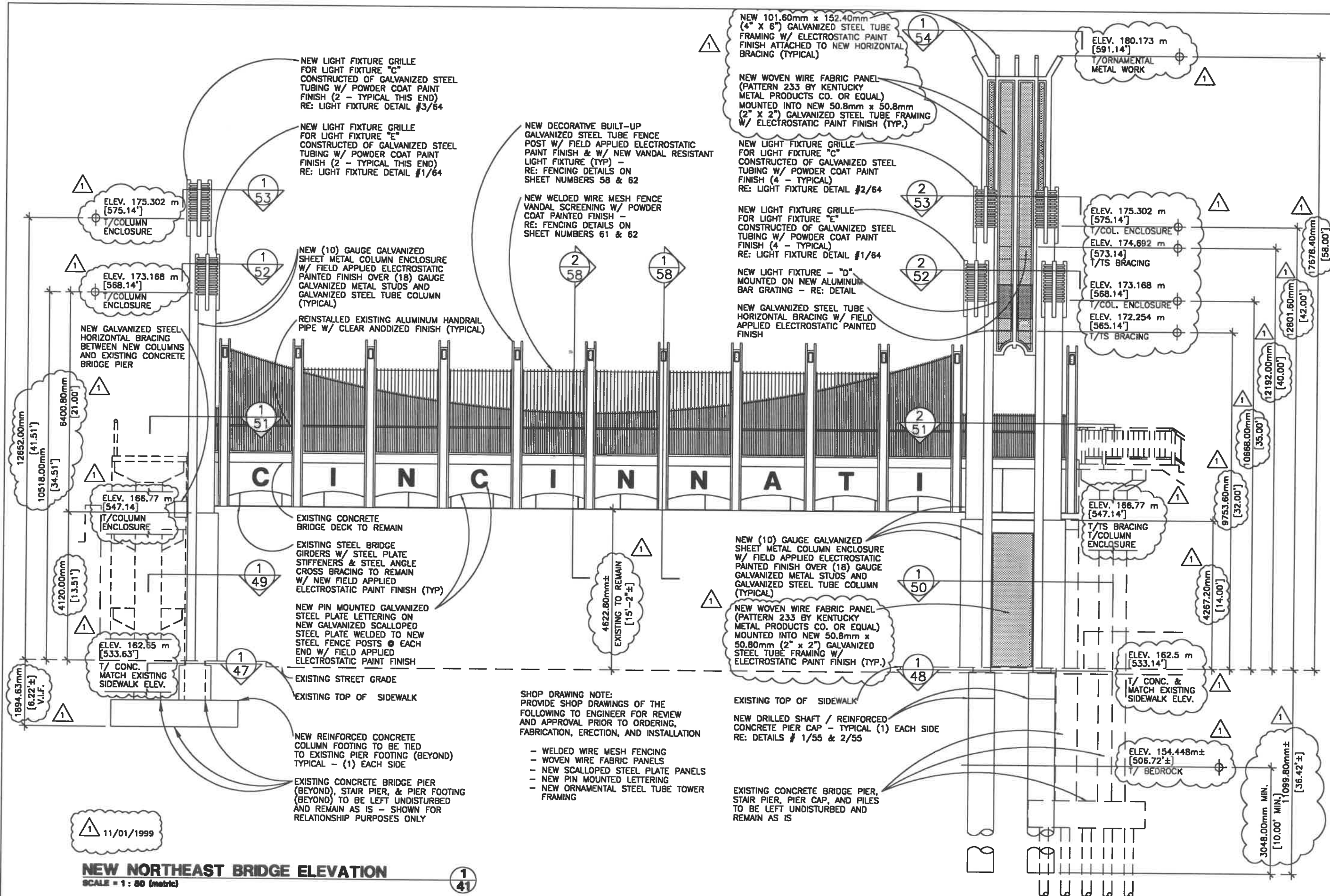
NEW BRIDGE IMPROVEMENT PLAN @ LIGHT FIXTURE - "C" LEVEL
SCALE = 1 : 80 (metric)



CALCULATED
KJK
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
PLANS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

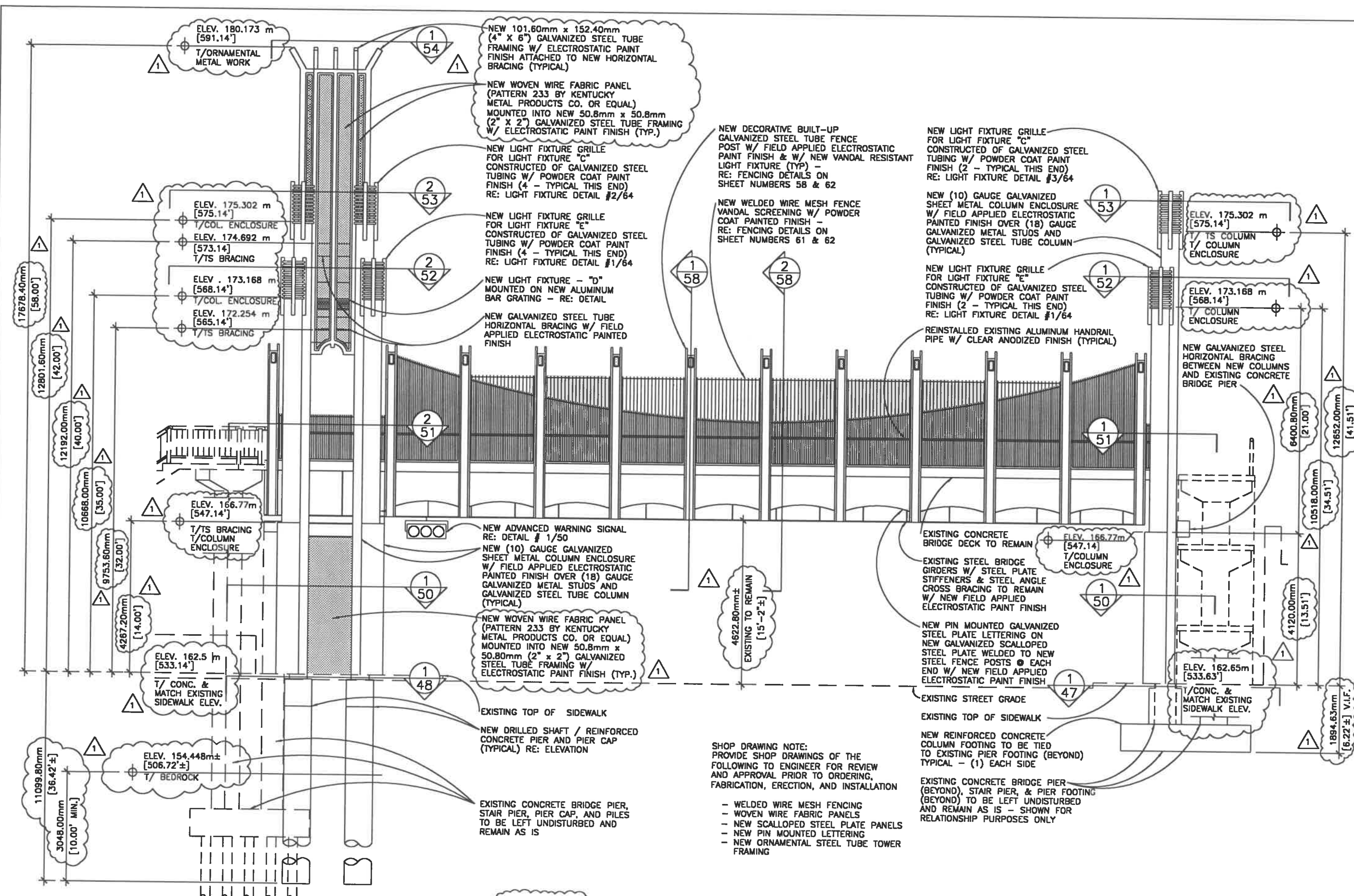


CALCULATED
 KJK
 CHECKED
 JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
 ELEVATION - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
 GILBERT AVENUE

11/01/1999



ELEV. 180.173 m
[591.14']
T/ORNAMENTAL
METAL WORK

NEW 101.60mm x 152.40mm
(4" x 6") GALVANIZED STEEL TUBE
FRAMING W/ ELECTROSTATIC PAINT
FINISH ATTACHED TO NEW HORIZONTAL
BRACING (TYPICAL)

NEW WOVEN WIRE FABRIC PANEL
(PATTERN 233 BY KENTUCKY
METAL PRODUCTS CO. OR EQUAL)
MOUNTED INTO NEW 50.8mm x 50.8mm
(2" x 2") GALVANIZED STEEL TUBE FRAMING
W/ ELECTROSTATIC PAINT FINISH (TYP.)

NEW LIGHT FIXTURE GRILLE
FOR LIGHT FIXTURE "C"
CONSTRUCTED OF GALVANIZED STEEL
TUBING W/ POWDER COAT PAINT
FINISH (4 - TYPICAL THIS END)
RE: LIGHT FIXTURE DETAIL #2/64

NEW DECORATIVE BUILT-UP
GALVANIZED STEEL TUBE FENCE
POST W/ FIELD APPLIED ELECTROSTATIC
PAINT FINISH & W/ NEW VANDAL RESISTANT
LIGHT FIXTURE (TYP) -
RE: FENCING DETAILS ON
SHEET NUMBERS 58 & 62

NEW LIGHT FIXTURE GRILLE
FOR LIGHT FIXTURE "C"
CONSTRUCTED OF GALVANIZED STEEL
TUBING W/ POWDER COAT PAINT
FINISH (2 - TYPICAL THIS END)
RE: LIGHT FIXTURE DETAIL #3/64

ELEV. 175.302 m
[575.14']
T/COL. ENCLOSURE

ELEV. 174.692 m
[573.14']
T/TS BRACING

ELEV. 173.168 m
[568.14']
T/COL. ENCLOSURE

ELEV. 172.254 m
[565.14']
T/TS BRACING

NEW LIGHT FIXTURE GRILLE
FOR LIGHT FIXTURE "E"
CONSTRUCTED OF GALVANIZED STEEL
TUBING W/ POWDER COAT PAINT
FINISH (4 - TYPICAL THIS END)
RE: LIGHT FIXTURE DETAIL #1/64

NEW WELDED WIRE MESH FENCE
VANDAL SCREENING W/ POWDER
COAT PAINTED FINISH -
RE: FENCING DETAILS ON
SHEET NUMBERS 61 & 62

NEW (10) GAUGE GALVANIZED
SHEET METAL COLUMN ENCLOSURE
W/ FIELD APPLIED ELECTROSTATIC
PAINTED FINISH OVER (18) GAUGE
GALVANIZED METAL STUDS AND
GALVANIZED STEEL TUBE COLUMN
(TYPICAL)

ELEV. 175.302 m
[575.14']
T/TS COLUMN
ENCLOSURE

ELEV. 173.168 m
[568.14']
T/COLUMN
ENCLOSURE

NEW LIGHT FIXTURE - "D"
MOUNTED ON NEW ALUMINUM
BAR GRATING - RE: DETAIL

NEW GALVANIZED STEEL TUBE
HORIZONTAL BRACING W/ FIELD
APPLIED ELECTROSTATIC PAINTED
FINISH

NEW LIGHT FIXTURE GRILLE
FOR LIGHT FIXTURE "E"
CONSTRUCTED OF GALVANIZED STEEL
TUBING W/ POWDER COAT PAINT
FINISH (2 - TYPICAL THIS END)
RE: LIGHT FIXTURE DETAIL #1/64

ELEV. 173.168 m
[568.14']
T/COLUMN
ENCLOSURE

NEW GALVANIZED STEEL
HORIZONTAL BRACING
BETWEEN NEW COLUMNS
AND EXISTING CONCRETE
BRIDGE PIER

ELEV. 166.77m
[547.14']
T/TS BRACING
T/COLUMN
ENCLOSURE

NEW ADVANCED WARNING SIGNAL
RE: DETAIL # 1/50

NEW (10) GAUGE GALVANIZED
SHEET METAL COLUMN ENCLOSURE
W/ FIELD APPLIED ELECTROSTATIC
PAINTED FINISH OVER (18) GAUGE
GALVANIZED METAL STUDS AND
GALVANIZED STEEL TUBE COLUMN
(TYPICAL)

REINSTALLED EXISTING ALUMINUM HANDRAIL
PIPE W/ CLEAR ANODIZED FINISH (TYPICAL)

ELEV. 166.77m
[547.14']
T/COLUMN
ENCLOSURE

NEW PIN MOUNTED GALVANIZED
STEEL PLATE LETTERING ON
NEW GALVANIZED SCALLOPED
STEEL PLATE WELDED TO NEW
STEEL FENCE POSTS @ EACH
END W/ NEW FIELD APPLIED
ELECTROSTATIC PAINT FINISH

ELEV. 162.5 m
[533.14']
T/ CONC. &
MATCH EXISTING
SIDEWALK ELEV.

NEW WOVEN WIRE FABRIC PANEL
(PATTERN 233 BY KENTUCKY
METAL PRODUCTS CO. OR EQUAL)
MOUNTED INTO NEW 50.8mm x
50.8mm (2" x 2") GALVANIZED
STEEL TUBE FRAMING W/
ELECTROSTATIC PAINT FINISH (TYP.)

EXISTING CONCRETE
BRIDGE DECK TO REMAIN

EXISTING STEEL BRIDGE
GIRDERS W/ STEEL PLATE
STIFFENERS & STEEL ANGLE
CROSS BRACING TO REMAIN
W/ NEW FIELD APPLIED
ELECTROSTATIC PAINT FINISH

ELEV. 162.65m
[533.63']
T/CONC. &
MATCH EXISTING
SIDEWALK ELEV.

ELEV. 154.448m±
[506.72'±]
T/ BEDROCK

EXISTING TOP OF SIDEWALK

NEW DRILLED SHAFT / REINFORCED
CONCRETE PIER AND PIER CAP
(TYPICAL) RE: ELEVATION

EXISTING STREET GRADE

EXISTING TOP OF SIDEWALK

ELEV. 154.448m±
[506.72'±]
T/ BEDROCK

EXISTING CONCRETE BRIDGE PIER,
STAIR PIER, PIER CAP, AND PILES
TO BE LEFT UNDISTURBED AND
REMAIN AS IS

NEW REINFORCED CONCRETE
COLUMN FOOTING TO BE TIED
TO EXISTING PIER FOOTING (BEYOND)
TYPICAL - (1) EACH SIDE

EXISTING CONCRETE BRIDGE PIER
(BEYOND), STAIR PIER, & PIER FOOTING
(BEYOND) TO BE LEFT UNDISTURBED
AND REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

ELEV. 154.448m±
[506.72'±]
T/ BEDROCK

EXISTING TOP OF SIDEWALK

NEW REINFORCED CONCRETE
COLUMN FOOTING TO BE TIED
TO EXISTING PIER FOOTING (BEYOND)
TYPICAL - (1) EACH SIDE

EXISTING CONCRETE BRIDGE PIER
(BEYOND), STAIR PIER, & PIER FOOTING
(BEYOND) TO BE LEFT UNDISTURBED
AND REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

ELEV. 154.448m±
[506.72'±]
T/ BEDROCK

EXISTING TOP OF SIDEWALK

NEW REINFORCED CONCRETE
COLUMN FOOTING TO BE TIED
TO EXISTING PIER FOOTING (BEYOND)
TYPICAL - (1) EACH SIDE

EXISTING CONCRETE BRIDGE PIER
(BEYOND), STAIR PIER, & PIER FOOTING
(BEYOND) TO BE LEFT UNDISTURBED
AND REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

ELEV. 154.448m±
[506.72'±]
T/ BEDROCK

EXISTING TOP OF SIDEWALK

NEW REINFORCED CONCRETE
COLUMN FOOTING TO BE TIED
TO EXISTING PIER FOOTING (BEYOND)
TYPICAL - (1) EACH SIDE

EXISTING CONCRETE BRIDGE PIER
(BEYOND), STAIR PIER, & PIER FOOTING
(BEYOND) TO BE LEFT UNDISTURBED
AND REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

ELEV. 154.448m±
[506.72'±]
T/ BEDROCK

EXISTING TOP OF SIDEWALK

NEW REINFORCED CONCRETE
COLUMN FOOTING TO BE TIED
TO EXISTING PIER FOOTING (BEYOND)
TYPICAL - (1) EACH SIDE

EXISTING CONCRETE BRIDGE PIER
(BEYOND), STAIR PIER, & PIER FOOTING
(BEYOND) TO BE LEFT UNDISTURBED
AND REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

ELEV. 154.448m±
[506.72'±]
T/ BEDROCK

EXISTING TOP OF SIDEWALK

NEW REINFORCED CONCRETE
COLUMN FOOTING TO BE TIED
TO EXISTING PIER FOOTING (BEYOND)
TYPICAL - (1) EACH SIDE

EXISTING CONCRETE BRIDGE PIER
(BEYOND), STAIR PIER, & PIER FOOTING
(BEYOND) TO BE LEFT UNDISTURBED
AND REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

ELEV. 154.448m±
[506.72'±]
T/ BEDROCK

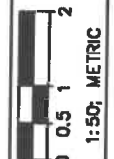
EXISTING TOP OF SIDEWALK

NEW REINFORCED CONCRETE
COLUMN FOOTING TO BE TIED
TO EXISTING PIER FOOTING (BEYOND)
TYPICAL - (1) EACH SIDE

EXISTING CONCRETE BRIDGE PIER
(BEYOND), STAIR PIER, & PIER FOOTING
(BEYOND) TO BE LEFT UNDISTURBED
AND REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

SHOP DRAWING NOTE:
PROVIDE SHOP DRAWINGS OF THE
FOLLOWING TO ENGINEER FOR REVIEW
AND APPROVAL PRIOR TO ORDERING,
FABRICATION, ERECTION, AND INSTALLATION

- WELDED WIRE MESH FENCING
- WOVEN WIRE FABRIC PANELS
- NEW SCALLOPED STEEL PLATE PANELS
- NEW PIN MOUNTED LETTERING
- NEW ORNAMENTAL STEEL TUBE TOWER FRAMING



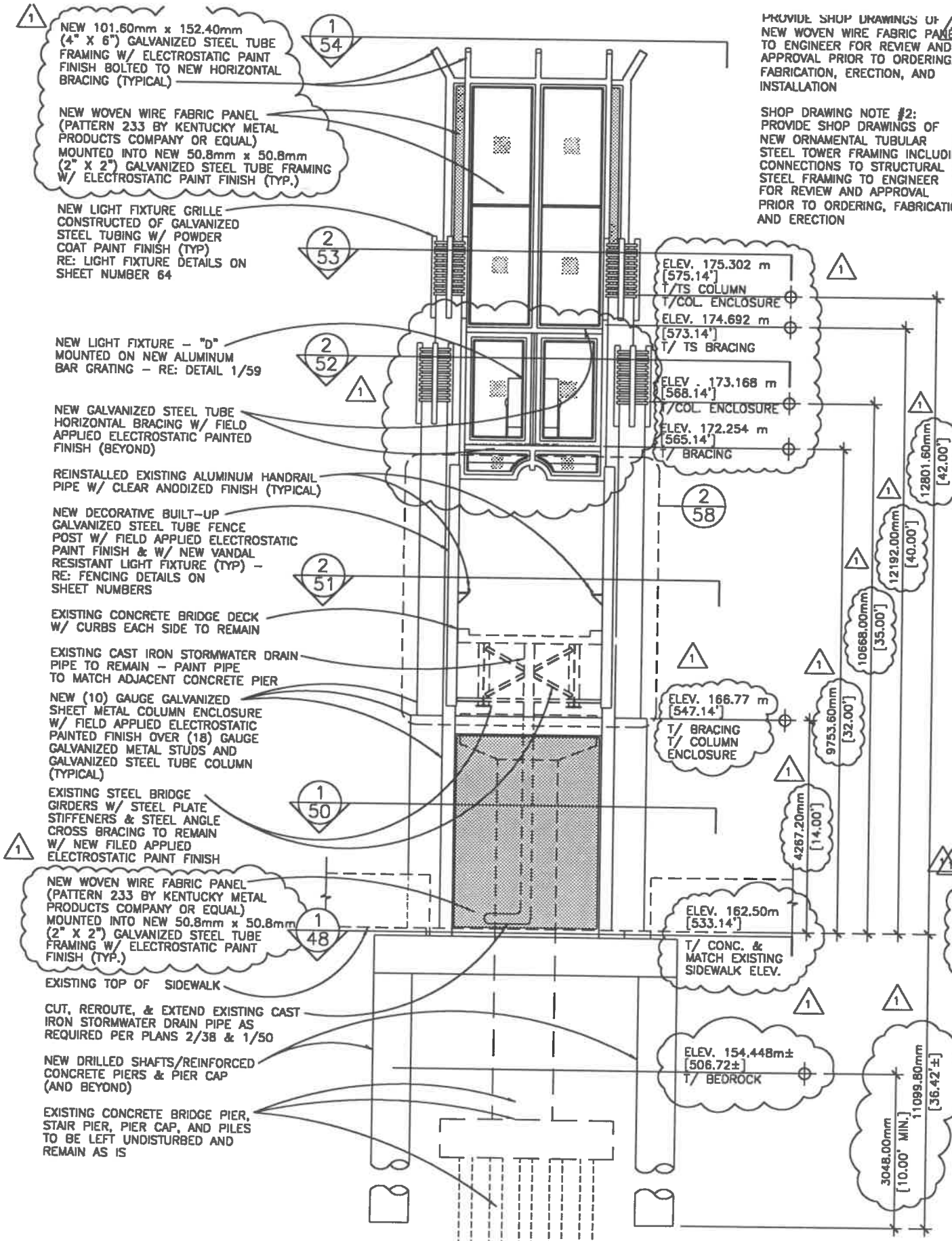
CALCULATED
KJK
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
ELEVATION - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

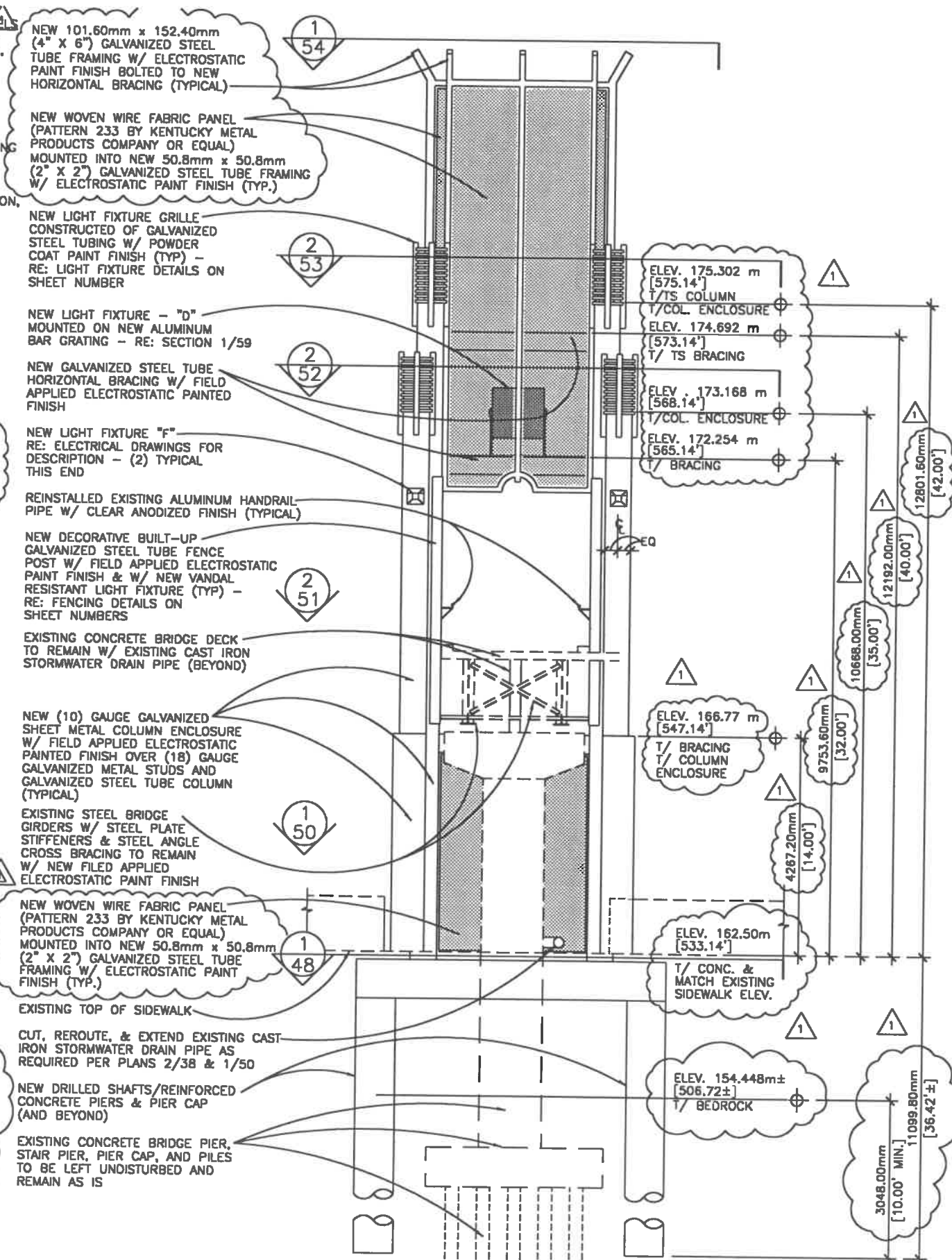
NEW SOUTHWEST BRIDGE ELEVATION
SCALE = 1 : 50 (metric)

11/01/1999



NEW NORTHWEST BRIDGE ELEVATION
SCALE = 1 : 50 (metric)

1
43
11/01/1999



NEW SOUTHEAST BRIDGE ELEVATION
SCALE = 1 : 50 (metric)

2
43
11/01/1999

PROVIDE SHOP DRAWINGS OF NEW WOVEN WIRE FABRIC PANELS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING, FABRICATION, ERECTION, AND INSTALLATION

SHOP DRAWING NOTE #2: PROVIDE SHOP DRAWINGS OF NEW ORNAMENTAL TUBULAR STEEL TOWER FRAMING INCLUDING CONNECTIONS TO STRUCTURAL STEEL FRAMING TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING, FABRICATION, AND ERECTION

NEW 101.60mm x 152.40mm (4" x 6") GALVANIZED STEEL TUBE FRAMING W/ ELECTROSTATIC PAINT FINISH BOLTED TO NEW HORIZONTAL BRACING (TYPICAL)

NEW WOVEN WIRE FABRIC PANEL (PATTERN 233 BY KENTUCKY METAL PRODUCTS COMPANY OR EQUAL) MOUNTED INTO NEW 50.8mm x 50.8mm (2" x 2") GALVANIZED STEEL TUBE FRAMING W/ ELECTROSTATIC PAINT FINISH (TYP.)

NEW LIGHT FIXTURE GRILLE CONSTRUCTED OF GALVANIZED STEEL TUBING W/ POWDER COAT PAINT FINISH (TYP) - RE: LIGHT FIXTURE DETAILS ON SHEET NUMBER

NEW LIGHT FIXTURE - "D" MOUNTED ON NEW ALUMINUM BAR GRATING - RE: SECTION 1/59

NEW GALVANIZED STEEL TUBE HORIZONTAL BRACING W/ FIELD APPLIED ELECTROSTATIC PAINTED FINISH

NEW LIGHT FIXTURE "F" RE: ELECTRICAL DRAWINGS FOR DESCRIPTION - (2) TYPICAL THIS END

REINSTALLED EXISTING ALUMINUM HANDRAIL PIPE W/ CLEAR ANODIZED FINISH (TYPICAL)

NEW DECORATIVE BUILT-UP GALVANIZED STEEL TUBE FENCE POST W/ FIELD APPLIED ELECTROSTATIC PAINT FINISH & W/ NEW VANDAL RESISTANT LIGHT FIXTURE (TYP) - RE: FENCING DETAILS ON SHEET NUMBERS

EXISTING CONCRETE BRIDGE DECK W/ CURBS EACH SIDE TO REMAIN

EXISTING CAST IRON STORMWATER DRAIN PIPE TO REMAIN - PAINT PIPE TO MATCH ADJACENT CONCRETE PIER

NEW (10) GAUGE GALVANIZED SHEET METAL COLUMN ENCLOSURE W/ FIELD APPLIED ELECTROSTATIC PAINTED FINISH OVER (18) GAUGE GALVANIZED METAL STUDS AND GALVANIZED STEEL TUBE COLUMN (TYPICAL)

EXISTING STEEL BRIDGE GIRDERS W/ STEEL PLATE STIFFENERS & STEEL ANGLE CROSS BRACING TO REMAIN W/ NEW FILED APPLIED ELECTROSTATIC PAINT FINISH

NEW WOVEN WIRE FABRIC PANEL (PATTERN 233 BY KENTUCKY METAL PRODUCTS COMPANY OR EQUAL) MOUNTED INTO NEW 50.8mm x 50.8mm (2" x 2") GALVANIZED STEEL TUBE FRAMING W/ ELECTROSTATIC PAINT FINISH (TYP.)

EXISTING TOP OF SIDEWALK

CUT, REROUTE, & EXTEND EXISTING CAST IRON STORMWATER DRAIN PIPE AS REQUIRED PER PLANS 2/38 & 1/50

NEW DRILLED SHAFTS/REINFORCED CONCRETE PIERS & PIER CAP (AND BEYOND)

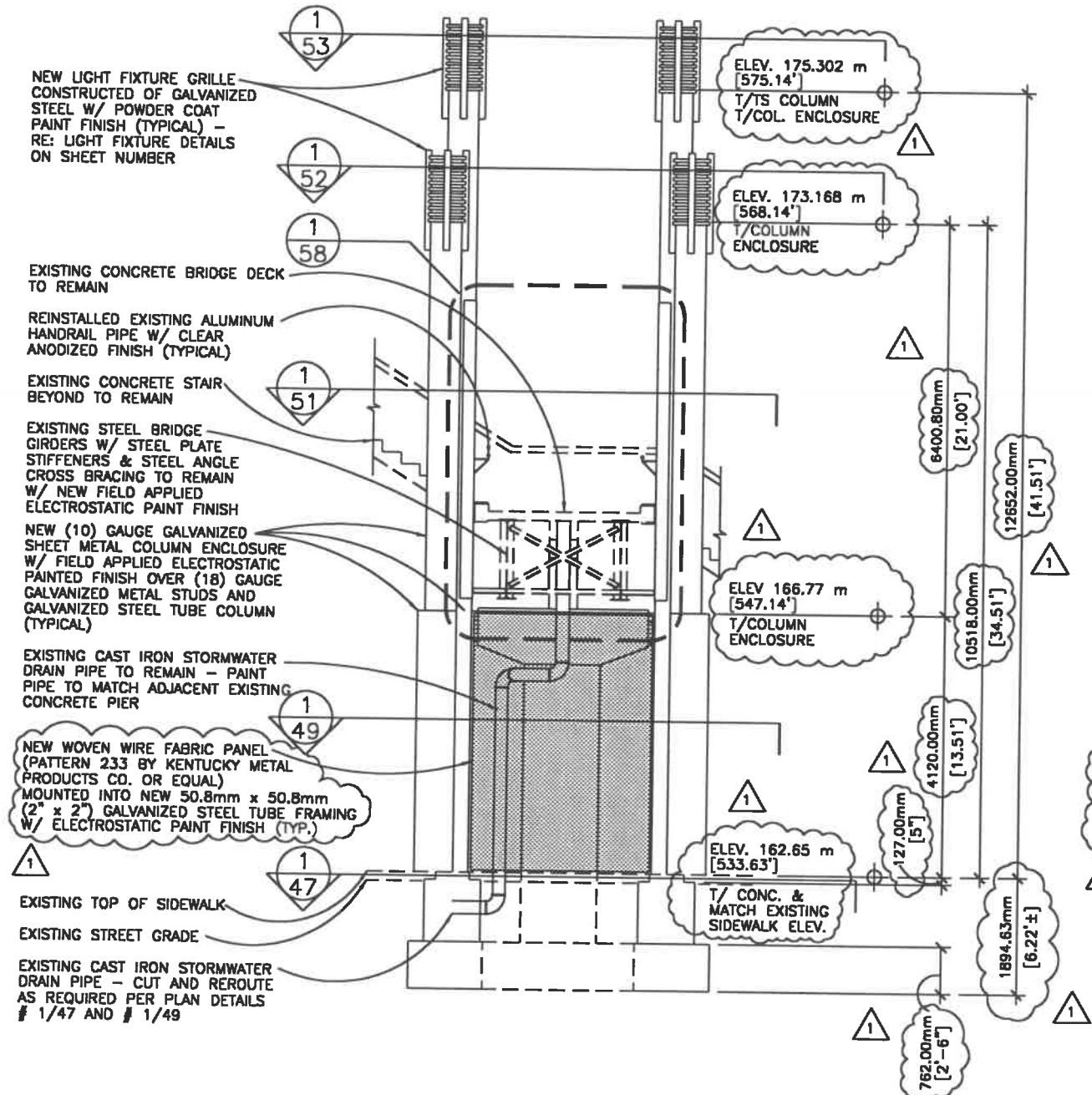
EXISTING CONCRETE BRIDGE PIER, STAIR PIER, PIER CAP, AND PILES TO BE LEFT UNDISTURBED AND REMAIN AS IS

CALCULATED
JWS
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
NEW BRIDGE ELEVATIONS

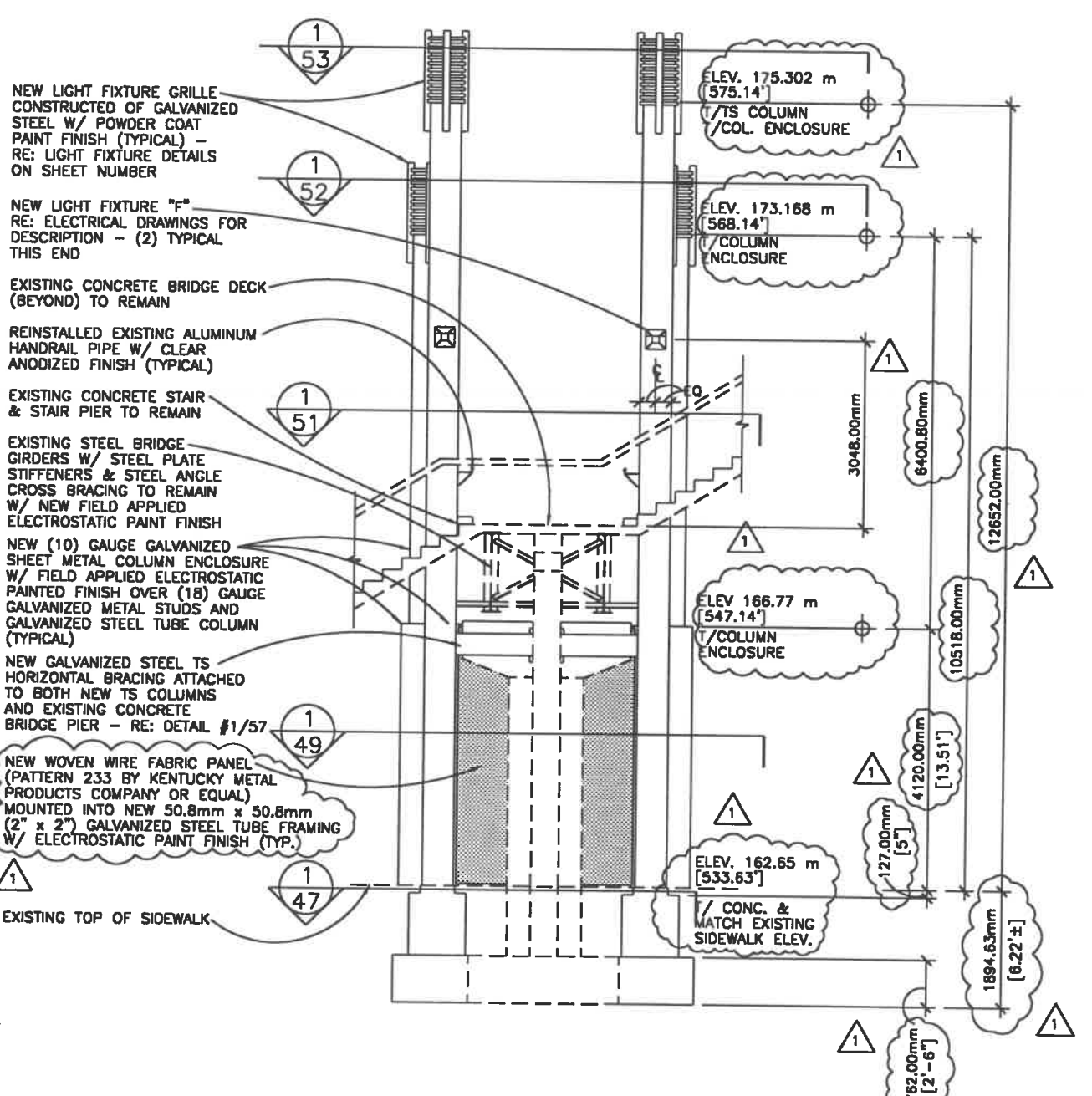
HIGH-DOWN-TOWN-GATEWAYS
GILBERT AVENUE

43
77



NEW NORTHWEST BRIDGE ELEVATION
SCALE = 1 : 80 (metric)

11/01/1999
1/44



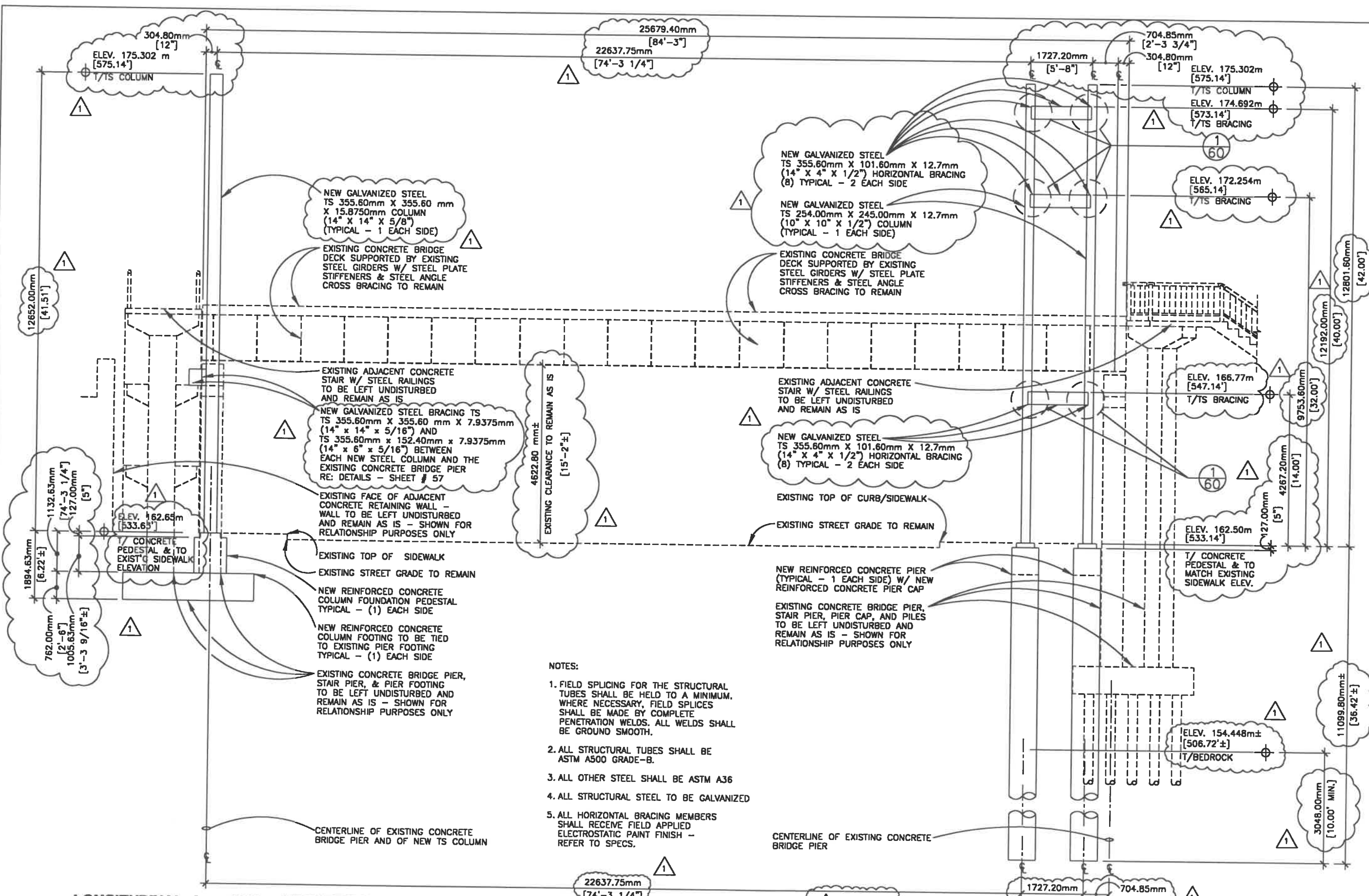
NEW SOUTHEAST BRIDGE ELEVATION
SCALE = 1 : 80 (metric)

11/01/1999
2/44

1 : 50 (METRIC)
CALCULATED JWS
CHECKED JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
NEW BRIDGE ELEVATIONS

HAM-DOWNTOWN-GATEWAYS
GILBERT AVENUE



NEW GALVANIZED STEEL
TS 355.60mm X 355.60 mm
X 15.8750mm COLUMN
(14" X 14" X 5/8")
(TYPICAL - 1 EACH SIDE)

EXISTING CONCRETE BRIDGE
DECK SUPPORTED BY EXISTING
STEEL GIRDERS W/ STEEL PLATE
STIFFENERS & STEEL ANGLE
CROSS BRACING TO REMAIN

NEW GALVANIZED STEEL
TS 355.60mm X 101.60mm X 12.7mm
(14" X 4" X 1/2") HORIZONTAL BRACING
(B) TYPICAL - 2 EACH SIDE

NEW GALVANIZED STEEL
TS 254.00mm X 245.00mm X 12.7mm
(10" X 10" X 1/2") COLUMN
(TYPICAL - 1 EACH SIDE)

EXISTING CONCRETE BRIDGE
DECK SUPPORTED BY EXISTING
STEEL GIRDERS W/ STEEL PLATE
STIFFENERS & STEEL ANGLE
CROSS BRACING TO REMAIN

EXISTING ADJACENT CONCRETE
STAIR W/ STEEL RAILINGS
TO BE LEFT UNDISTURBED
AND REMAIN AS IS

NEW GALVANIZED STEEL BRACING TS
TS 355.60mm X 355.60 mm X 7.9375mm
(14" X 14" X 5/16") AND
TS 355.60mm X 152.40mm X 7.9375mm
(14" X 6" X 5/16") BETWEEN
EACH NEW STEEL COLUMN AND THE
EXISTING CONCRETE BRIDGE PIER
RE: DETAILS - SHEET # 57

EXISTING FACE OF ADJACENT
CONCRETE RETAINING WALL -
WALL TO BE LEFT UNDISTURBED
AND REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

EXISTING TOP OF SIDEWALK

EXISTING STREET GRADE TO REMAIN

NEW REINFORCED CONCRETE
COLUMN FOUNDATION PEDESTAL
TYPICAL - (1) EACH SIDE

NEW REINFORCED CONCRETE
COLUMN FOOTING TO BE TIED
TO EXISTING PIER FOOTING
TYPICAL - (1) EACH SIDE

EXISTING CONCRETE BRIDGE PIER,
STAIR PIER, & PIER FOOTING
TO BE LEFT UNDISTURBED AND
REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

EXISTING ADJACENT CONCRETE
STAIR W/ STEEL RAILINGS
TO BE LEFT UNDISTURBED
AND REMAIN AS IS

NEW GALVANIZED STEEL
TS 355.60mm X 101.60mm X 12.7mm
(14" X 4" X 1/2") HORIZONTAL BRACING
(B) TYPICAL - 2 EACH SIDE

EXISTING TOP OF CURB/SIDEWALK

EXISTING STREET GRADE TO REMAIN

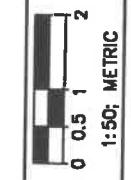
NEW REINFORCED CONCRETE PIER
(TYPICAL - 1 EACH SIDE) W/ NEW
REINFORCED CONCRETE PIER CAP

EXISTING CONCRETE BRIDGE PIER,
STAIR PIER, PIER CAP, AND PILES
TO BE LEFT UNDISTURBED AND
REMAIN AS IS - SHOWN FOR
RELATIONSHIP PURPOSES ONLY

- NOTES:
1. FIELD SPlicing FOR THE STRUCTURAL TUBES SHALL BE HELD TO A MINIMUM. WHERE NECESSARY, FIELD SPICES SHALL BE MADE BY COMPLETE PENETRATION WELDS. ALL WELDS SHALL BE GROUND SMOOTH.
 2. ALL STRUCTURAL TUBES SHALL BE ASTM A500 GRADE-B.
 3. ALL OTHER STEEL SHALL BE ASTM A36
 4. ALL STRUCTURAL STEEL TO BE GALVANIZED
 5. ALL HORIZONTAL BRACING MEMBERS SHALL RECEIVE FIELD APPLIED ELECTROSTATIC PAINT FINISH - REFER TO SPECS.

LONGITUDINAL SECTION - NEW BRIDGE IMPROVEMENTS STRUCTURE W/ EXISTING BRIDGE

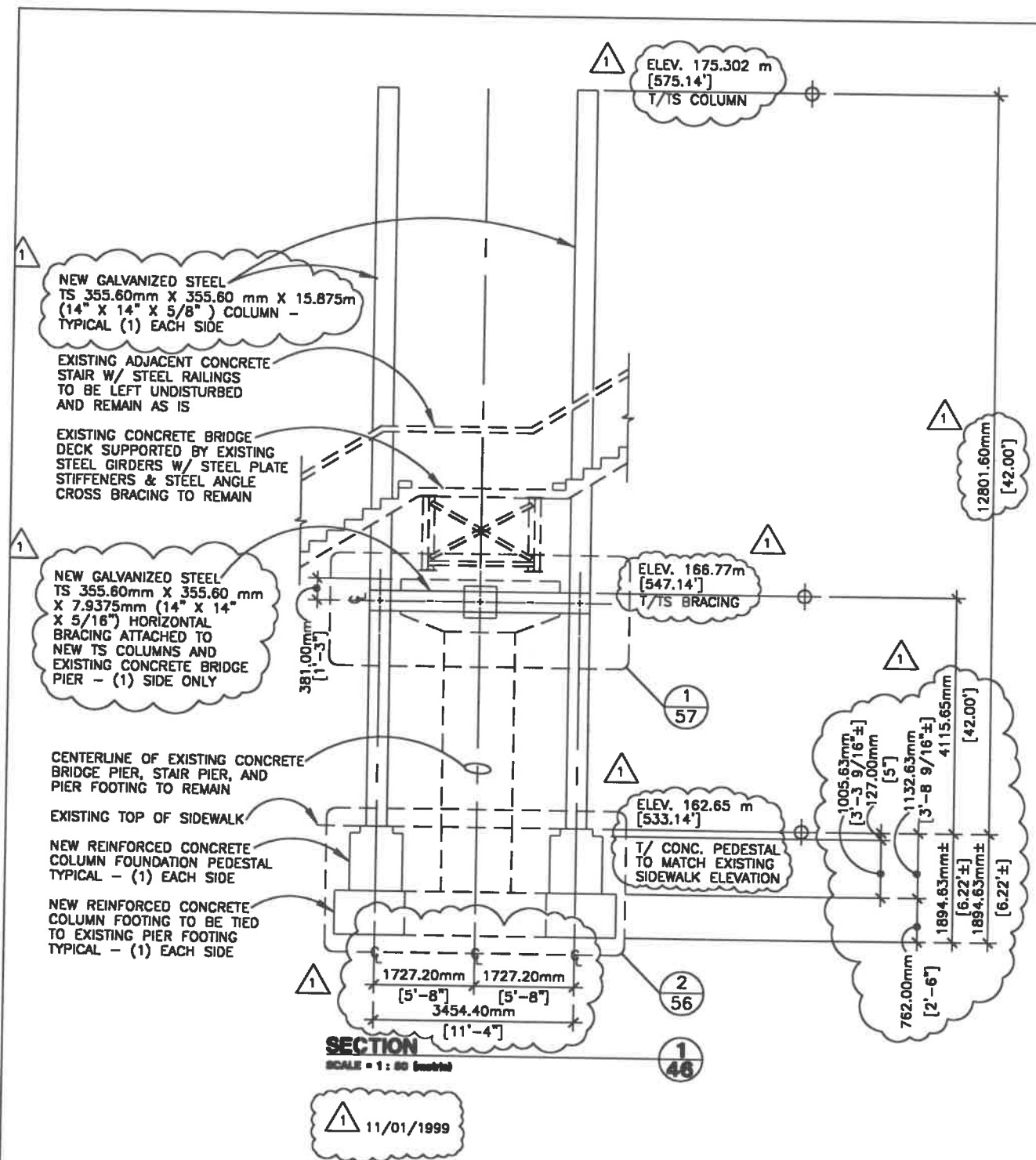
SCALE = 1:80



CALCULATED
KJK
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
ELEVATION - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE



NEW GALVANIZED STEEL
TS 355.60mm X 355.60 mm X 15.875m
(14" X 14" X 5/8") COLUMN -
TYPICAL (1) EACH SIDE

EXISTING ADJACENT CONCRETE
STAIR W/ STEEL RAILINGS
TO BE LEFT UNDISTURBED
AND REMAIN AS IS

EXISTING CONCRETE BRIDGE
DECK SUPPORTED BY EXISTING
STEEL GIRDERS W/ STEEL PLATE
STIFFENERS & STEEL ANGLE
CROSS BRACING TO REMAIN

NEW GALVANIZED STEEL
TS 355.60mm X 355.60 mm
X 7.9375mm (14" X 14"
X 5/16") HORIZONTAL
BRACING ATTACHED TO
NEW TS COLUMNS AND
EXISTING CONCRETE BRIDGE
PIER - (1) SIDE ONLY

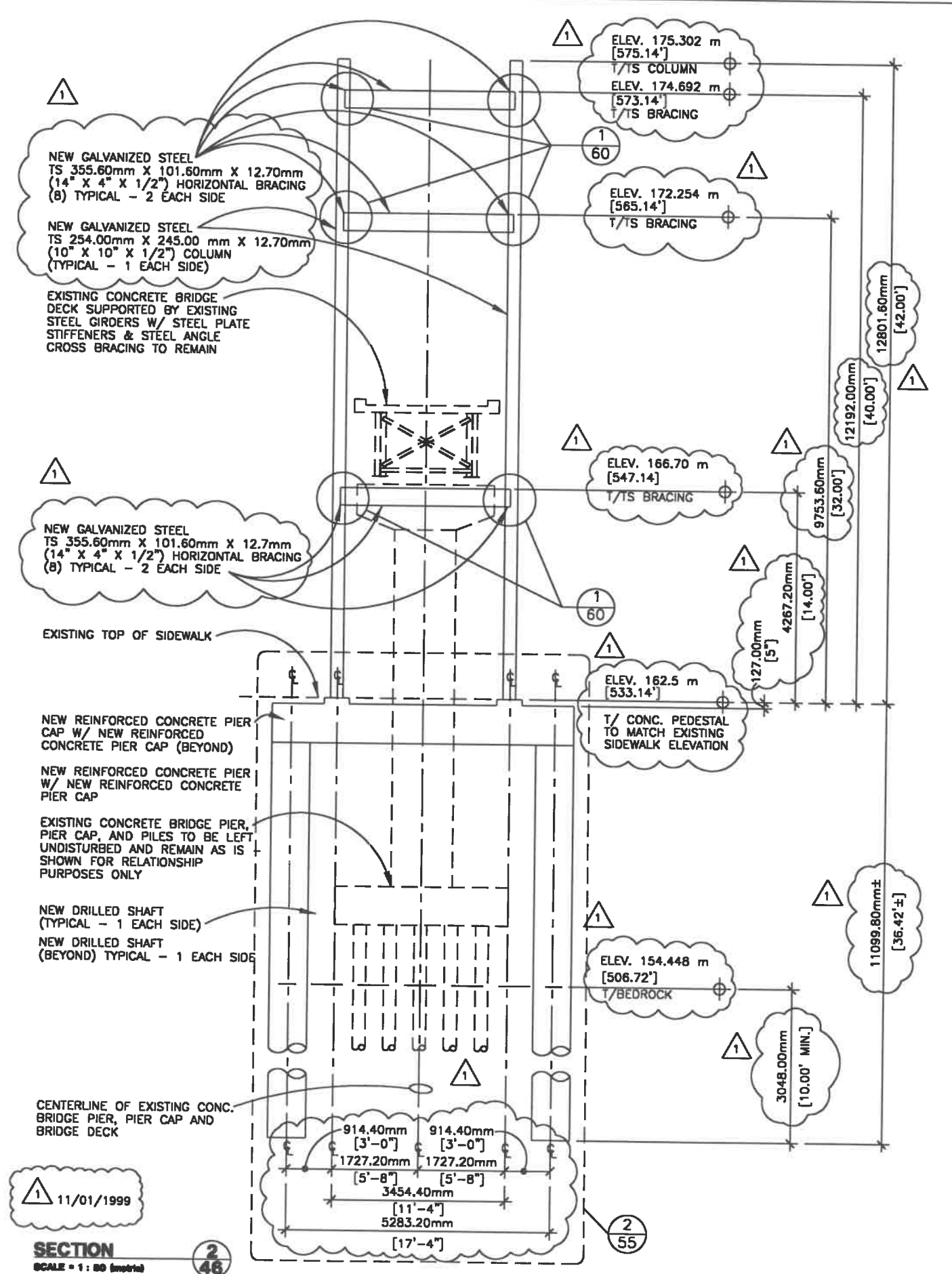
CENTERLINE OF EXISTING CONCRETE
BRIDGE PIER, STAIR PIER, AND
PIER FOOTING TO REMAIN

EXISTING TOP OF SIDEWALK

NEW REINFORCED CONCRETE
COLUMN FOUNDATION PEDESTAL
TYPICAL - (1) EACH SIDE

NEW REINFORCED CONCRETE
COLUMN FOOTING TO BE TIED
TO EXISTING PIER FOOTING
TYPICAL - (1) EACH SIDE

- NOTES:
1. FIELD SPlicing FOR THE STRUCTURAL TUBES SHALL BE HELD TO A MINIMUM. WHERE NECESSARY, FIELD SPICES SHALL BE MADE BY COMPLETE PENETRATION WELDS. ALL WELDS SHALL BE GROUND SMOOTH.
 2. ALL STRUCTURAL TUBES SHALL BE ASTM A500 GRADE-B.
 3. ALL OTHER STEEL SHALL BE ASTM A36
 4. ALL STRUCTURAL STEEL TO BE GALVANIZED
 5. ALL HORIZONTAL BRACING MEMBERS SHALL RECEIVE FIELD APPLIED ELECTROSTATIC PAINT FINISH - REFER TO SPECS.



NEW GALVANIZED STEEL
TS 355.60mm X 101.60mm X 12.70mm
(14" X 4" X 1/2") HORIZONTAL BRACING
(8) TYPICAL - 2 EACH SIDE

NEW GALVANIZED STEEL
TS 254.00mm X 245.00 mm X 12.70mm
(10" X 10" X 1/2") COLUMN
(TYPICAL - 1 EACH SIDE)

EXISTING CONCRETE BRIDGE
DECK SUPPORTED BY EXISTING
STEEL GIRDERS W/ STEEL PLATE
STIFFENERS & STEEL ANGLE
CROSS BRACING TO REMAIN

NEW GALVANIZED STEEL
TS 355.60mm X 101.60mm X 12.7mm
(14" X 4" X 1/2") HORIZONTAL BRACING
(8) TYPICAL - 2 EACH SIDE

EXISTING TOP OF SIDEWALK

NEW REINFORCED CONCRETE PIER
CAP W/ NEW REINFORCED
CONCRETE PIER CAP (BEYOND)

NEW REINFORCED CONCRETE PIER
W/ NEW REINFORCED CONCRETE
PIER CAP

EXISTING CONCRETE BRIDGE PIER,
PIER CAP, AND PILES TO BE LEFT
UNDISTURBED AND REMAIN AS IS
SHOWN FOR RELATIONSHIP
PURPOSES ONLY

NEW DRILLED SHAFT
(TYPICAL - 1 EACH SIDE)

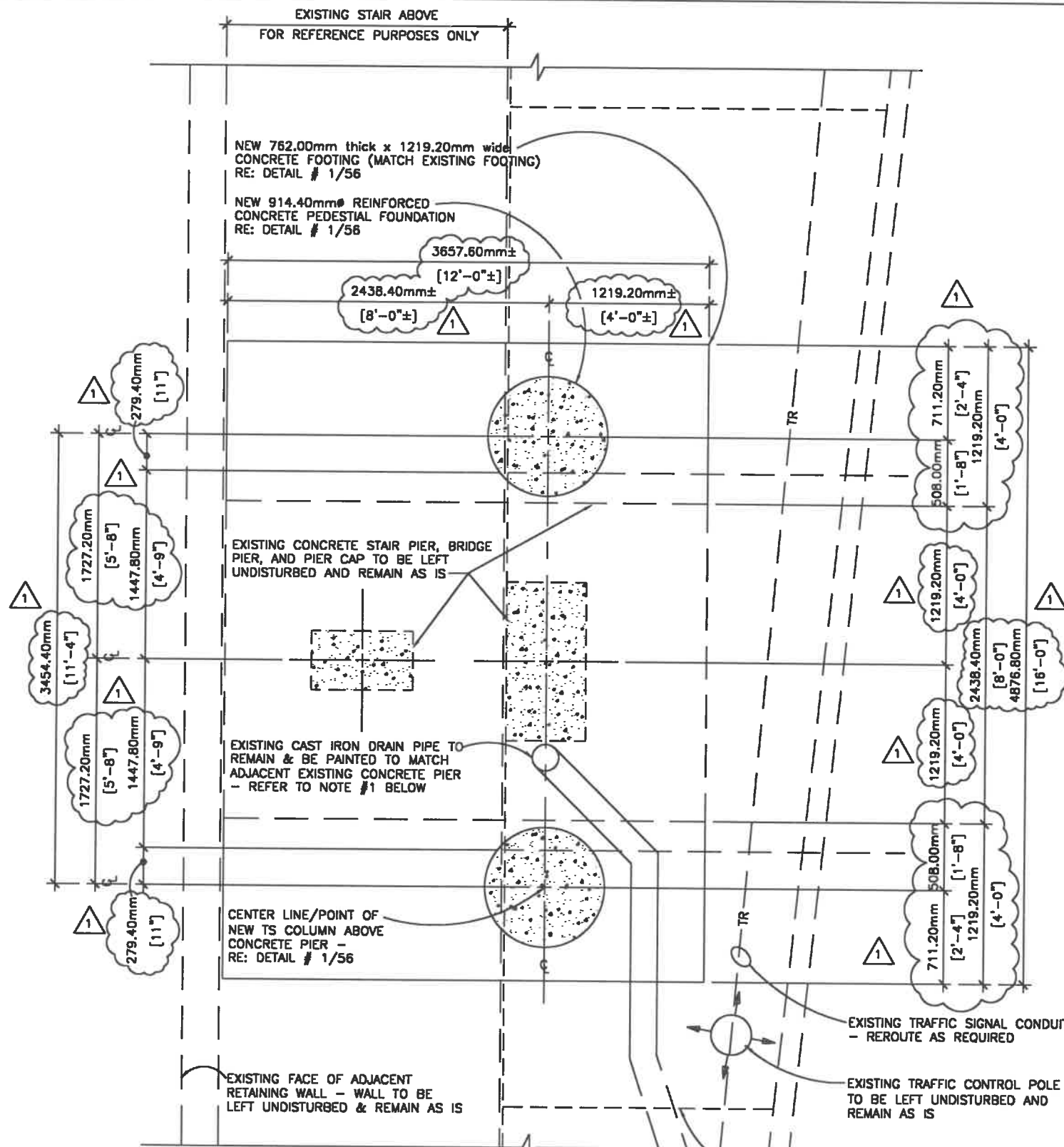
NEW DRILLED SHAFT
(BEYOND) TYPICAL - 1 EACH SIDE

CENTERLINE OF EXISTING CONC.
BRIDGE PIER, PIER CAP AND
BRIDGE DECK

CALCULATED	KJK	2
CHECKED	JWS	

GILBERT AVENUE PEDESTRIAN BRIDGE
ELEVATION - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE



EXISTING STAIR ABOVE
FOR REFERENCE PURPOSES ONLY

NEW 762.00mm thick x 1219.20mm wide
CONCRETE FOOTING (MATCH EXISTING FOOTING)
RE: DETAIL # 1/56

NEW 914.40mm REINFORCED
CONCRETE PEDESTAL FOUNDATION
RE: DETAIL # 1/56

EXISTING CONCRETE STAIR PIER, BRIDGE
PIER, AND PIER CAP TO BE LEFT
UNDISTURBED AND REMAIN AS IS

EXISTING CAST IRON DRAIN PIPE TO
REMAIN & BE PAINTED TO MATCH
ADJACENT EXISTING CONCRETE PIER
- REFER TO NOTE #1 BELOW

CENTER LINE/POINT OF
NEW TS COLUMN ABOVE
CONCRETE PIER -
RE: DETAIL # 1/56

EXISTING FACE OF ADJACENT
RETAINING WALL - WALL TO BE
LEFT UNDISTURBED & REMAIN AS IS

EXISTING TRAFFIC SIGNAL CONDUIT
- REROUTE AS REQUIRED

EXISTING TRAFFIC CONTROL POLE
TO BE LEFT UNDISTURBED AND
REMAIN AS IS

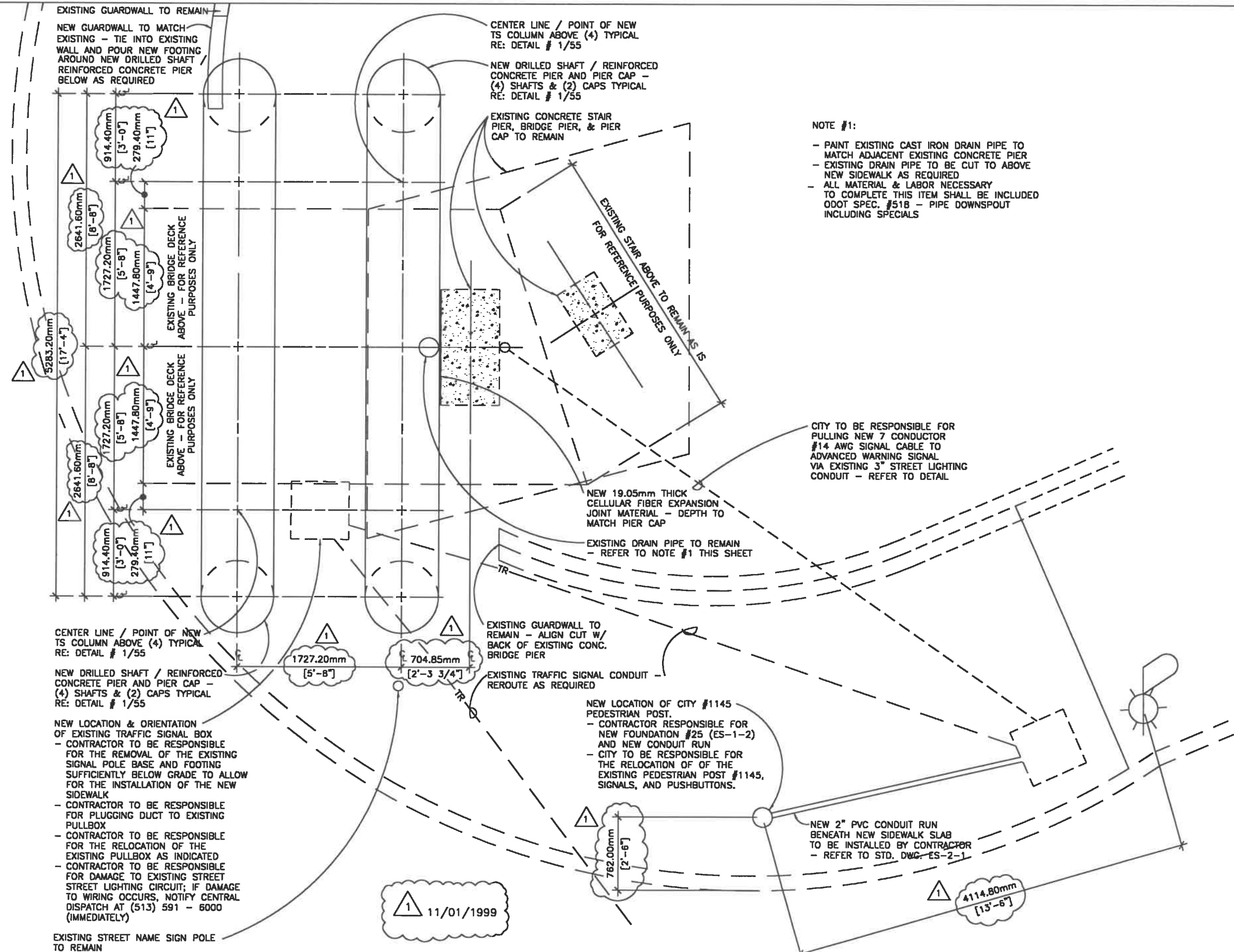
DASHED LINES INDICATE EXTENT
OF SIDEWALK AREA TO BE
REMOVED AND REPLACED

NOTE #1:
REROUTE EXISTING DRAIN PIPE AS REQUIRED TO
AVOID INTERSECTING NEW CONCRETE PEDESTAL
AND FOOTING CONSTRUCTION BELOW GRADE.
ANY NEW ADDITIONAL PIPE REQUIRED FOR
REROUTING SHALL BE OF THE SAME SIZE,
TYPE, & QUALITY OF THE EXISTING PIPE TO
REMAIN. ALL MATERIAL & LABOR NECESSARY
TO COMPLETE THIS ITEM SHALL BE INCLUDED
ODOT SPEC. #518 - PIPE DOWNSPOUT
INCLUDING SPECIALS

1 11/01/1999

DETAIL - NEW PARTIAL BRIDGE PLAN @ FOOTING/FOUNDATION LEVEL
SCALE = 1 : 20 (metric)

	CALCULATED	KJK
	CHECKED	JWS
GILBERT AVENUE PEDESTRIAN BRIDGE DETAILS - NEW BRIDGE IMPROVEMENTS		
HAM - DOWNTOWN - GATEWAYS GILBERT AVENUE		
47		
77		



NOTE #1:

- PAINT EXISTING CAST IRON DRAIN PIPE TO MATCH ADJACENT EXISTING CONCRETE PIER
- EXISTING DRAIN PIPE TO BE CUT TO ABOVE NEW SIDEWALK AS REQUIRED
- ALL MATERIAL & LABOR NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED ODOT SPEC. #518 - PIPE DOWNSPOUT INCLUDING SPECIALS

CITY TO BE RESPONSIBLE FOR PULLING NEW 7 CONDUCTOR #14 AWC SIGNAL CABLE TO ADVANCED WARNING SIGNAL VIA EXISTING 3" STREET LIGHTING CONDUIT - REFER TO DETAIL

CENTER LINE / POINT OF NEW TS COLUMN ABOVE (4) TYPICAL RE: DETAIL # 1/55

NEW DRILLED SHAFT / REINFORCED CONCRETE PIER AND PIER CAP - (4) SHAFTS & (2) CAPS TYPICAL RE: DETAIL # 1/55

NEW LOCATION & ORIENTATION OF EXISTING TRAFFIC SIGNAL BOX

- CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF THE EXISTING SIGNAL POLE BASE AND FOOTING SUFFICIENTLY BELOW GRADE TO ALLOW FOR THE INSTALLATION OF THE NEW SIDEWALK
- CONTRACTOR TO BE RESPONSIBLE FOR PLUGGING DUCT TO EXISTING PULLBOX
- CONTRACTOR TO BE RESPONSIBLE FOR THE RELOCATION OF THE EXISTING PULLBOX AS INDICATED
- CONTRACTOR TO BE RESPONSIBLE FOR DAMAGE TO EXISTING STREET STREET LIGHTING CIRCUIT; IF DAMAGE TO WIRING OCCURS, NOTIFY CENTRAL DISPATCH AT (513) 591 - 6000 (IMMEDIATELY)

EXISTING STREET NAME SIGN POLE TO REMAIN

EXISTING GUARDWALL TO REMAIN - ALIGN CUT W/ BACK OF EXISTING CONC. BRIDGE PIER

EXISTING TRAFFIC SIGNAL CONDUIT - REROUTE AS REQUIRED

NEW LOCATION OF CITY #1145 PEDESTRIAN POST.

- CONTRACTOR RESPONSIBLE FOR NEW FOUNDATION #25 (ES-1-2) AND NEW CONDUIT RUN
- CITY TO BE RESPONSIBLE FOR THE RELOCATION OF OF THE EXISTING PEDESTRIAN POST #1145, SIGNALS, AND PUSHBUTTONS.

NEW 2" PVC CONDUIT RUN BENEATH NEW SIDEWALK SLAB TO BE INSTALLED BY CONTRACTOR - REFER TO STD. DWG-ES-2-1

DETAIL - NEW PARTIAL BRIDGE PLAN @ FOOTING/FOUNDATION LEVEL

SCALE = 1 : 20 (METRIC)

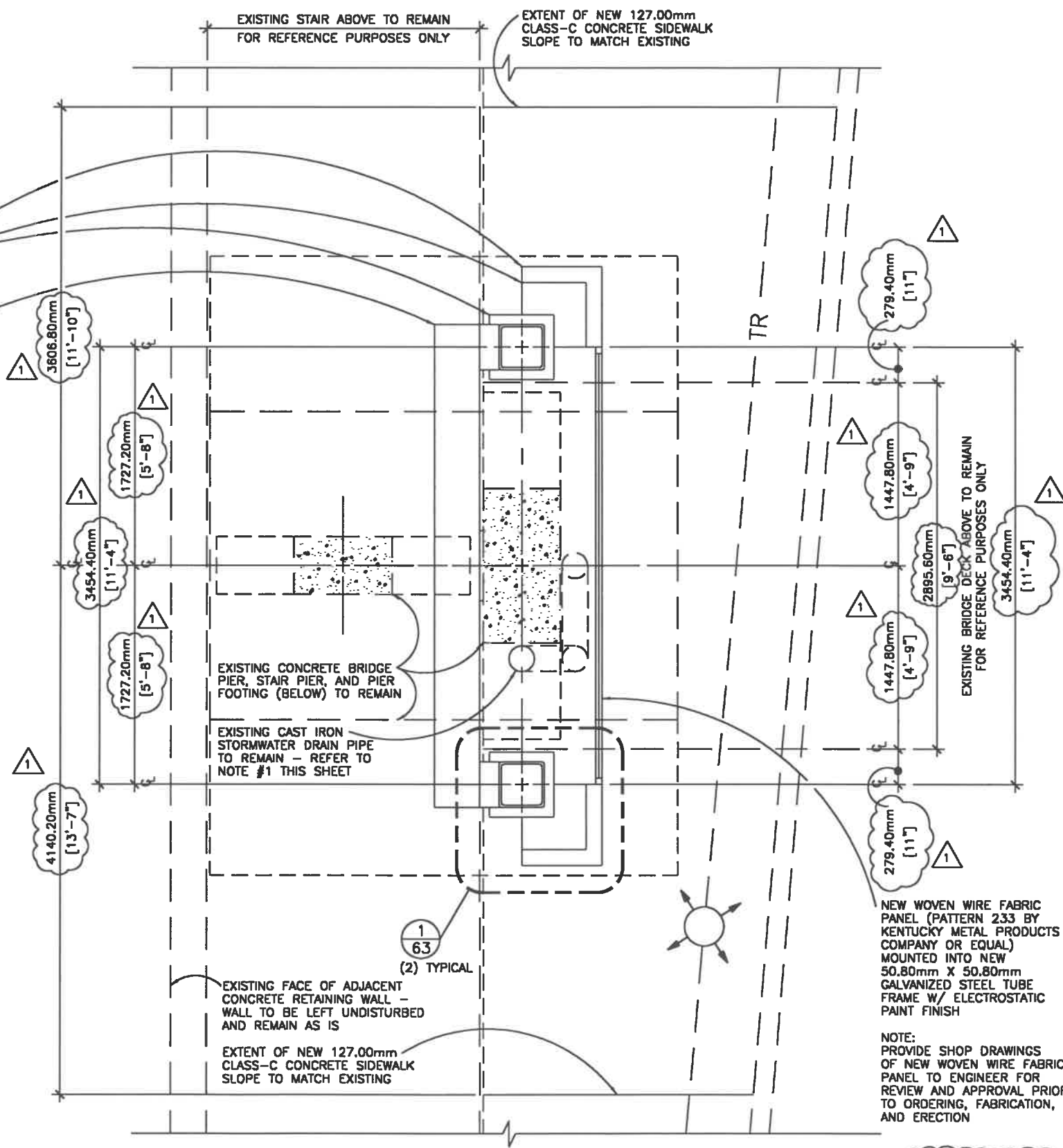
1 / 48

CALCULATED: KJK CHECKED: JWS	
1 : 20 (METRIC) 	
GILBERT AVENUE PEDESTRIAN BRIDGE DETAILS - NEW BRIDGE IMPROVEMENTS	
HAM - DOWNTOWN - GATEWAYS GILBERT AVENUE	
48 / 77	

NEW (10) GAUGE GALVANIZED SHEET METAL COLUMN ENCLOSURE W/ FIELD APPLIED ELECTROSTATIC PAINTED FINISH OVER (18) GAUGE GALVANIZED METAL STUDS AND GALVANIZED STEEL TUBE COLUMN W/ NEW FDTN/FTG BELOW (2) - TYPICAL

NEW GALVANIZED STEEL TUBE HORIZONTAL BRACING W/ FIELD APPLIED ELECTROSTATIC PAINTED FINISH ATTACHED TO BOTH NEW GALVANIZED STEEL TS COLUMNS AND EXISTING CONCRETE BRIDGE PIER - RE: DETAIL # 1/57

NOTE #1:
 - EXISTING CAST IRON STORMWATER DRAIN PIPE TO BE PAINTED TO MATCH EXISTING ADJACENT CONCRETE BRIDGE PIER
 - REROUTE EXISTING DRAIN PIPE AS REQUIRED REROUTE EXISTING DRAIN PIPE AS REQUIRED AVOID INTERSECTING NEW CONCRETE PEDESTAL AND FOOTING CONSTRUCTION BELOW GRADE. ANY NEW ADDITIONAL PIPE REQUIRED FOR REROUTING SHALL BE OF THE SAME SIZE, TYPE, & QUALITY OF THE EXISTING PIPE TO REMAIN. ALL MATERIAL & LABOR NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED ODOT SPEC. #518 - PIPE DOWNSPOUT INCLUDING SPECIALS



DETAIL - NEW PARTIAL BRIDGE PLAN @ SIDEWALK LEVEL
 SCALE = 1 : 20 (metric)

1
49

11/01/1999

CALCULATED
KJK
CHECKED
JWS

1 : 20 (METRIC)

GILBERT AVENUE PEDESTRIAN BRIDGE
 DETAIL PLANS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
 GILBERT AVENUE

EXISTING CONCRETE BARRIER WALL TO REMAIN

NEW REINFORCED CONCRETE BARRIER WALL TO MATCH EXISTING TIE INTO EXISTING WALL AND POUR NEW FOOTING AROUND NEW DRILLED SHAFT BELOW AS REQUIRED

EXTENT OF NEW 127.00mm (5") CLASS-C CONCRETE SIDEWALK SLOPE TO MATCH EXISTING

NEW WOVEN WIRE FABRIC PANEL (PATTERN 233 BY KENTUCKY METAL PRODUCTS COMPANY OR EQUAL) MOUNTED INTO NEW 50.80mm x 50.80mm (2" x 2") GALVANIZED STEEL TUBE FRAME W/ ELECTROSTATIC PAINT FINISH CENTERED BENEATH & WELDED TO NEW STEEL TUBE HORIZONTAL BRACING ABOVE AND COLUMN ENCLOSURES EACH SIDE - PROVIDE SHOP DRAWINGS TO CITY ENGINEER FOR REVIEW & APPROVAL PRIOR TO FABRICATION & INSTALLATION

NEW 3 SECTION, 12 INCH ADVANCED WARNING SIGNAL ABOVE TO BE INSTALLED BY CITY PER STANDARD DRAWING ES-3-4

CITY TO BE RESPONSIBLE FOR THE FOLLOWING:

- NEW 1" LB FITTING TO BE ATTACHED TO SIDE OF EXISTING JUNCTION BOX
- NEW 1" PVC CONDUIT & WEATHERHEAD TO BE RUN PERPENDICULAR & ABOVE NEW SIGNAL
- NEW 7 CONDUCTOR SIGNAL CABLE TO BE DROPPED TO FEED NEW SIGNAL
- PROVIDE NEW CONDUIT W/ APPROPRIATE HANGERS AND ANCHORS AS REQUIRED

NEW GALVANIZED STEEL TUBE HORIZONTAL BRACING ABOVE W/ FIELD APPLIED ELECTROSTATIC PAINTED FINISH - (4) TYPICAL

NEW (10) GAUGE GALVANIZED SHEET METAL COLUMN ENCLOSURE W/ FIELD APPLIED ELECTROSTATIC PAINTED FINISH OVER (18) GAUGE GALVANIZED METAL STUDS AND GALVANIZED STEEL TUBE COLUMN (4) - TYPICAL

NEW LOCATION & ORIENTATION OF EXISTING TRAFFIC SIGNAL BOX

- CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF THE EXISTING SIGNAL POLE BASE AND FOOTING SUFFICIENTLY BELOW GRADE TO ALLOW FOR THE INSTALLATION OF THE NEW SIDEWALK
- CONTRACTOR TO BE RESPONSIBLE FOR PLUGGING DUCT TO EXISTING PULLBOX
- CONTRACTOR TO BE RESPONSIBLE FOR THE RELOCATION OF THE EXISTING PULLBOX AS INDICATED
- CONTRACTOR TO BE RESPONSIBLE FOR DAMAGE TO EXISTING STREET LIGHTING CIRCUIT; IF DAMAGE TO WIRING OCCURS, NOTIFY CENTRAL DISPATCH AT (513) 591 - 6000 (IMMEDIATELY)

EXISTING STREET NAME SIGN POLE TO REMAIN

NEW CLASS-C CONCRETE HANDICAP RAMP - TYPE 2 LOCATE PER ENGINEER

DETAIL - NEW PARTIAL BRIDGE PLAN @ SIDEWALK LEVEL

SCALE = 1 : 20 (metric)

NEW POWER SUPPLY CABINET FOR NEW LIGHT FIXTURE "D" ABOVE TO BE BOLTED TO NEW SIDEWALK AS REQUIRED

EXTENT OF NEW 127.00mm (5") CLASS-C CONCRETE SIDEWALK SLOPE TO MATCH EXISTING

EXISTING CONCRETE BRIDGE DECK AND STAIR ABOVE ALONG WITH EXISTING CONCRETE BRIDGE PIER AND STAIR PIER TO BE LEFT UNDISTURBED & REMAIN AS IS

NOTE #1:

- EXISTING DRAIN PIPE TO BE CUT TO ABOVE NEW SIDEWALK LEVEL/GRADE AS REQUIRED
- REROUTE AND EXTEND DRAIN PIPE AS REQUIRED PER PLAN DEPICTION
- PAINT EXISTING CAST IRON DRAIN PIPE TO MATCH ADJACENT EXISTING CONCRETE PIER
- ALL MATERIAL & LABOR NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED ODOT SPEC. #518 - PIPE DOWNSPOUT INCLUDING SPECIALS

EXTENT OF NEW 127.00mm (5") CLASS 'C' CONCRETE SIDEWALK - SLOPE TO MATCH EXISTING (SAWCUT TO NEAREST EXISTING JOINT LINE)

NEW 7 CONDUCTOR #14 AWG SIGNAL CABLE TO BE PULLED BY CITY TO NEW ADVANCED WARNING SIGNAL VIA EXISTING 3" STREET LIGHTING CONDUIT

EXISTING CAST IRON STORM WATER LINE TO REMAIN - REFER TO NOTE #1 THIS SHEET

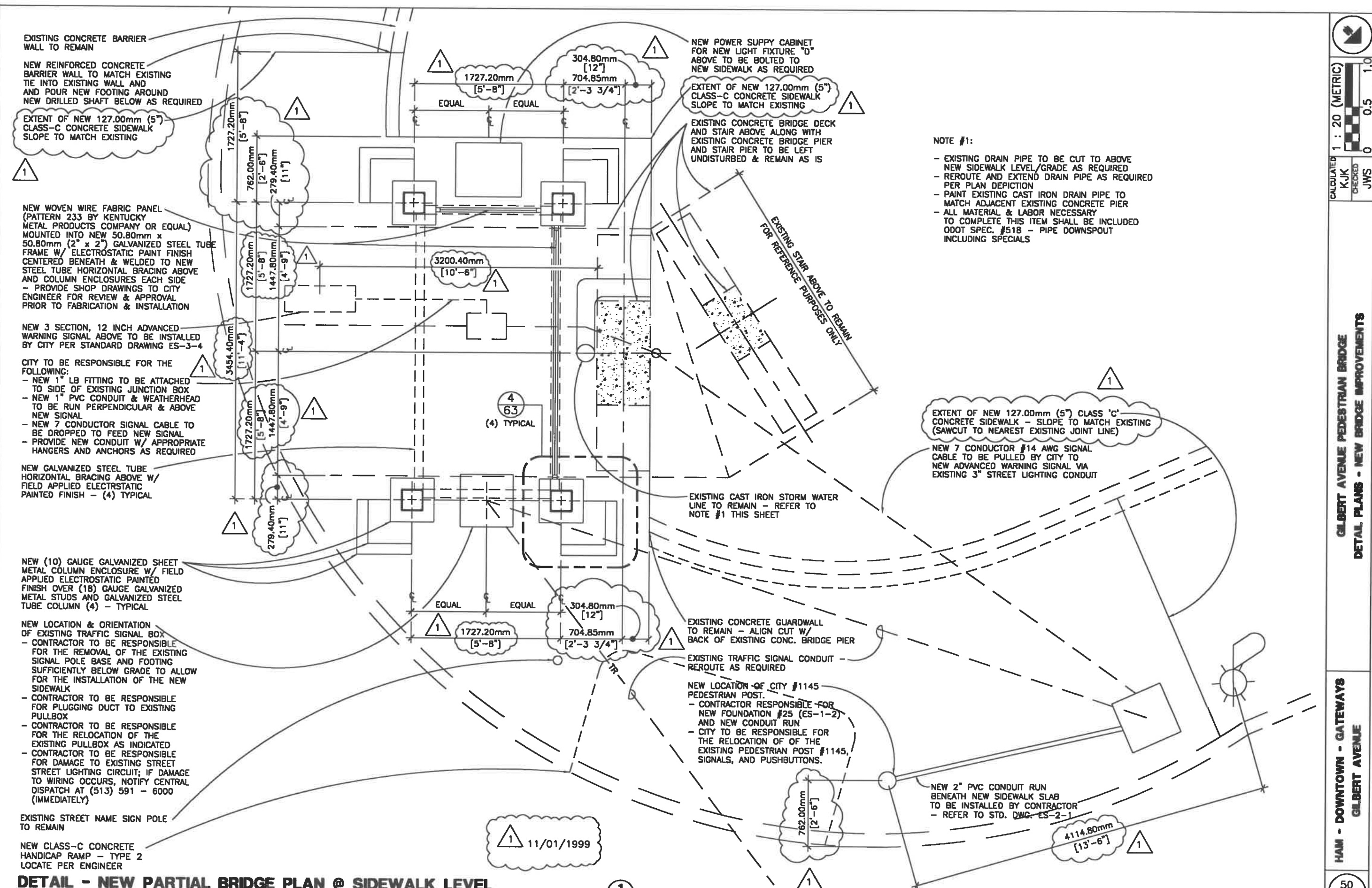
EXISTING CONCRETE GUARDWALL TO REMAIN - ALIGN CUT W/ BACK OF EXISTING CONC. BRIDGE PIER

EXISTING TRAFFIC SIGNAL CONDUIT - REROUTE AS REQUIRED

NEW LOCATION OF CITY #1145 PEDESTRIAN POST.

- CONTRACTOR RESPONSIBLE FOR NEW FOUNDATION #25 (ES-1-2) AND NEW CONDUIT RUN
- CITY TO BE RESPONSIBLE FOR THE RELOCATION OF OF THE EXISTING PEDESTRIAN POST #1145, SIGNALS, AND PUSHBUTTONS.

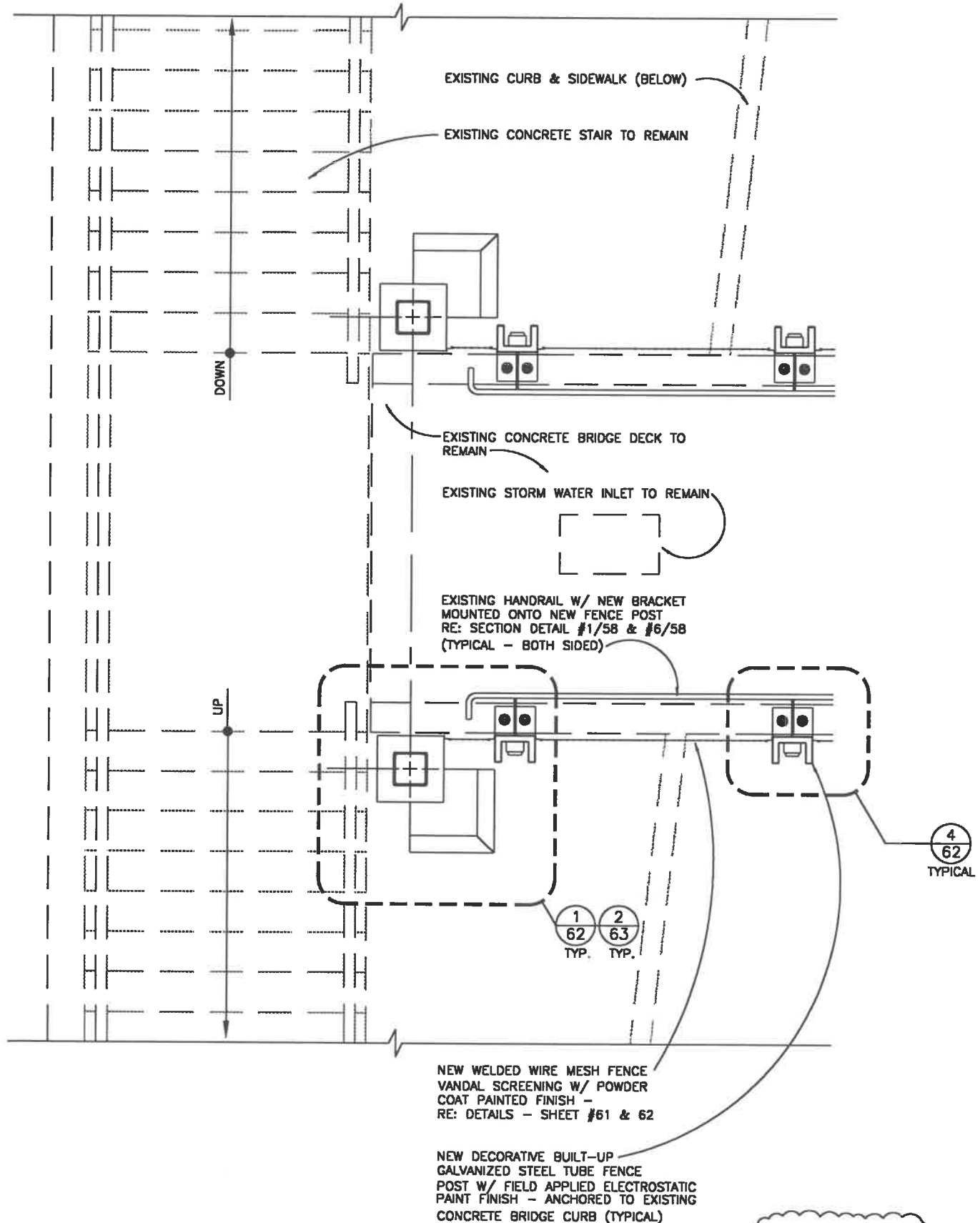
NEW 2" PVC CONDUIT RUN BENEATH NEW SIDEWALK SLAB TO BE INSTALLED BY CONTRACTOR - REFER TO STD. DWG. ES-2-1



CALCULATED	KJK	JWS
CHECKED		

GILBERT AVENUE PEDESTRIAN BRIDGE
 DETAIL PLANS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
 GILBERT AVENUE

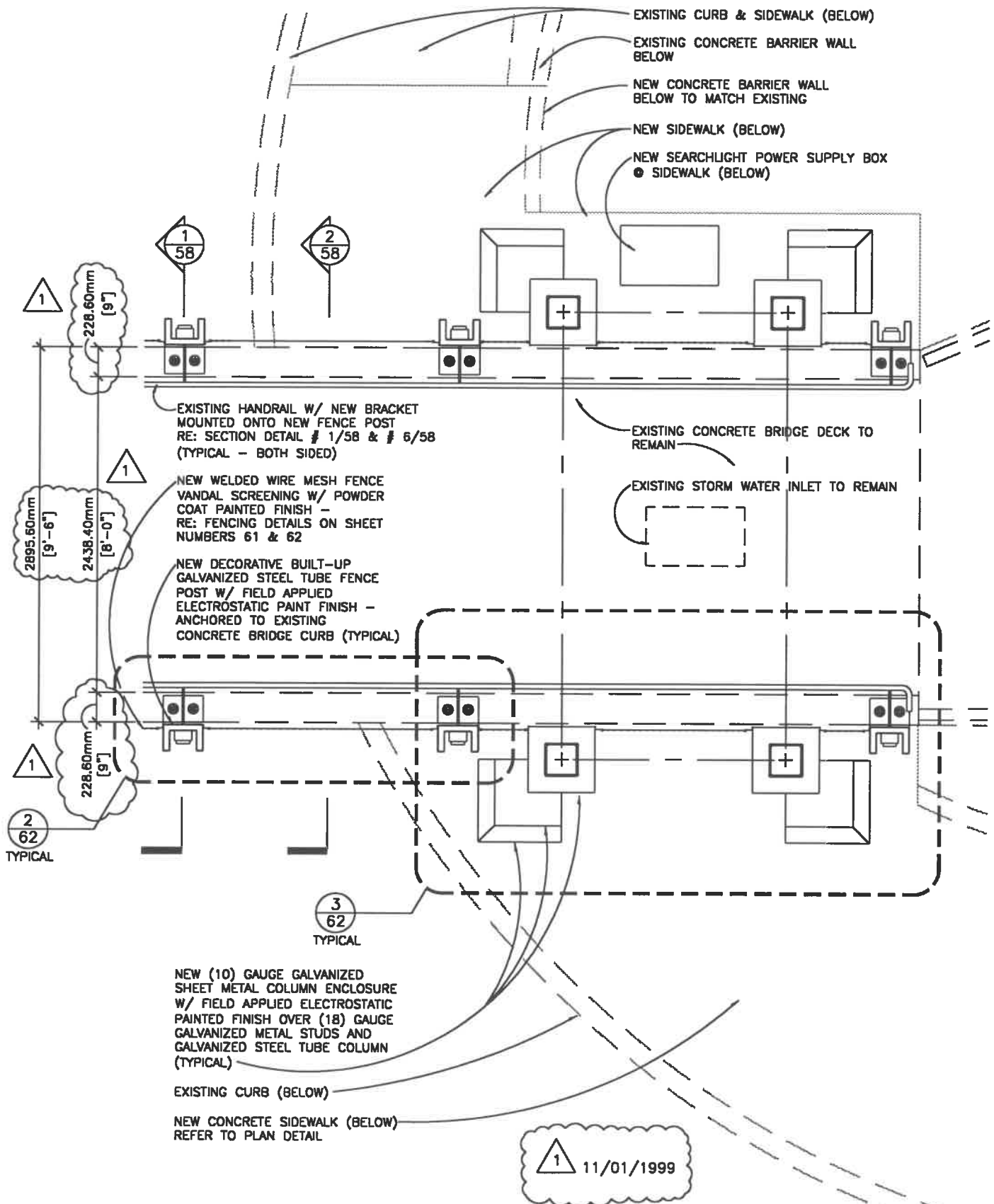


Detail - New Bridge Partial Plan @ Bridge Level

SCALE = 1 : 20 (metric)

1
51

1 11/01/1999



Detail - New Bridge Partial Plan @ Bridge Level

SCALE = 1 : 20 (metric)

2
51

1 11/01/1999

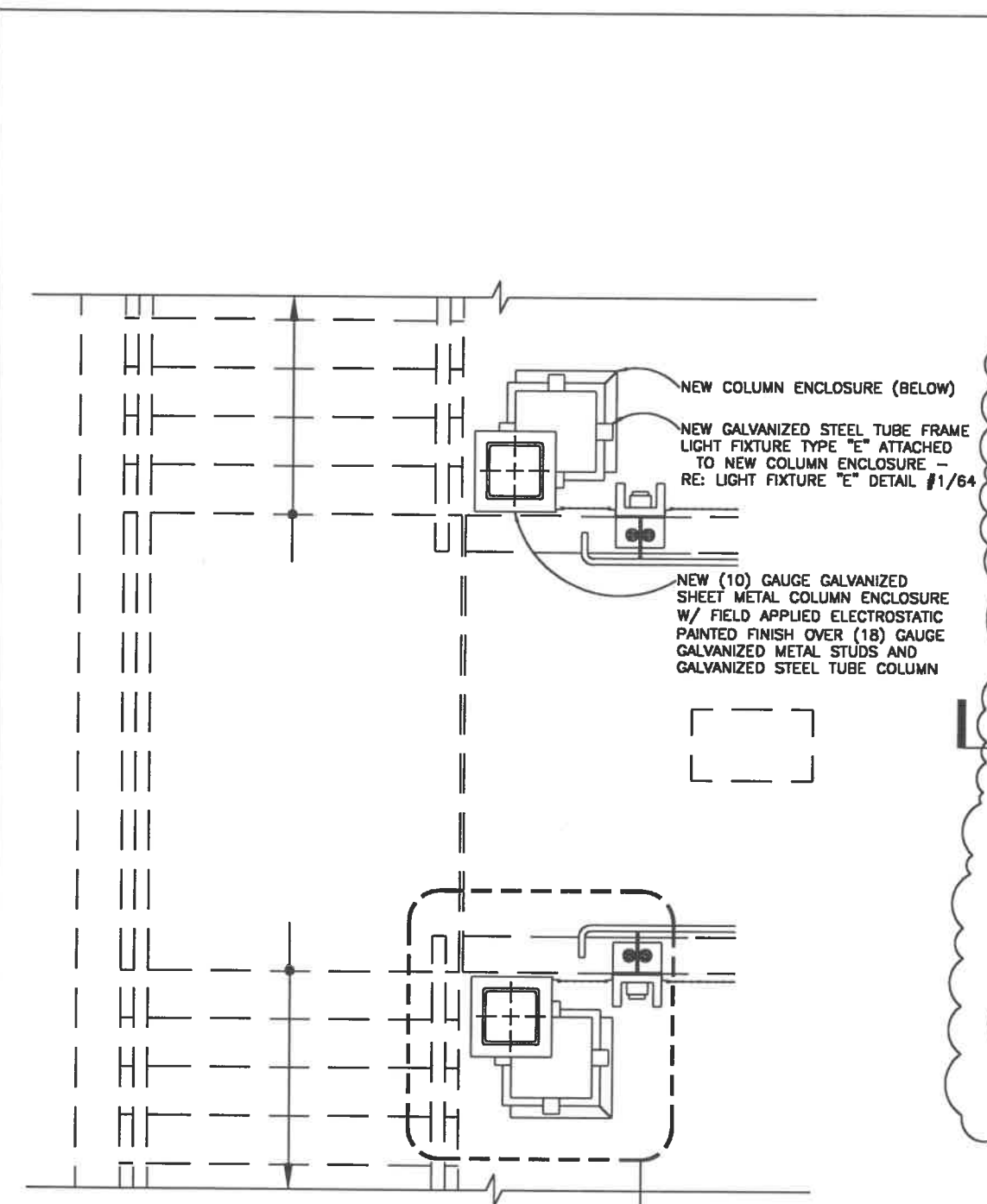
CALCULATED
KJK
CHECKED
JWS

1 : 20 (METRIC)

GILBERT AVENUE PEDESTRIAN BRIDGE
DETAIL PLANS - NEW BRIDGE IMPROVEMENTS

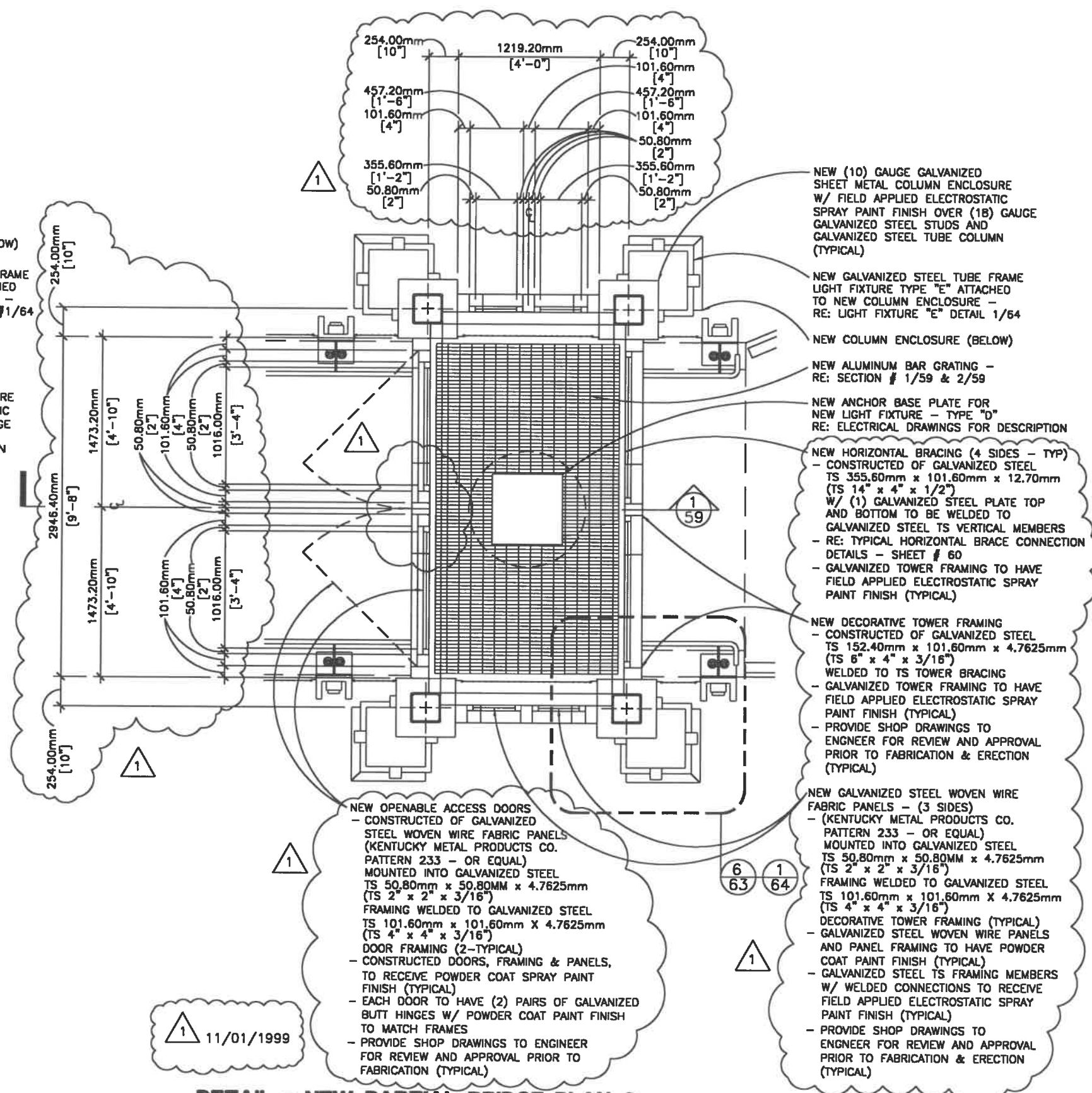
HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

51
77



DETAIL - NEW PARTIAL BRIDGE PLAN @ LIGHT FIXTURE "D" PLATFORM / LIGHT FIXTURE "E" LEVEL
 SCALE = 1 : 20 (metric)

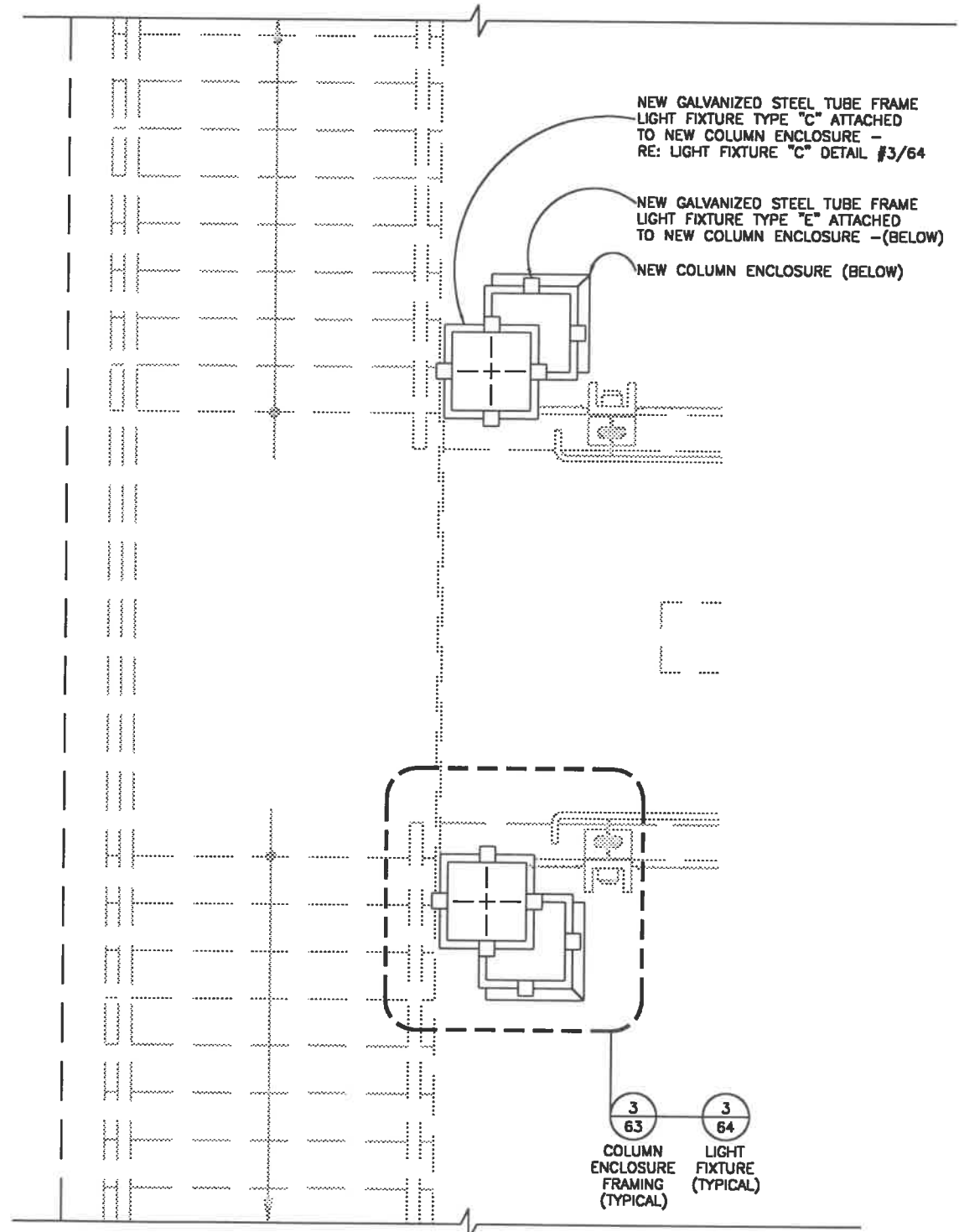
1
52



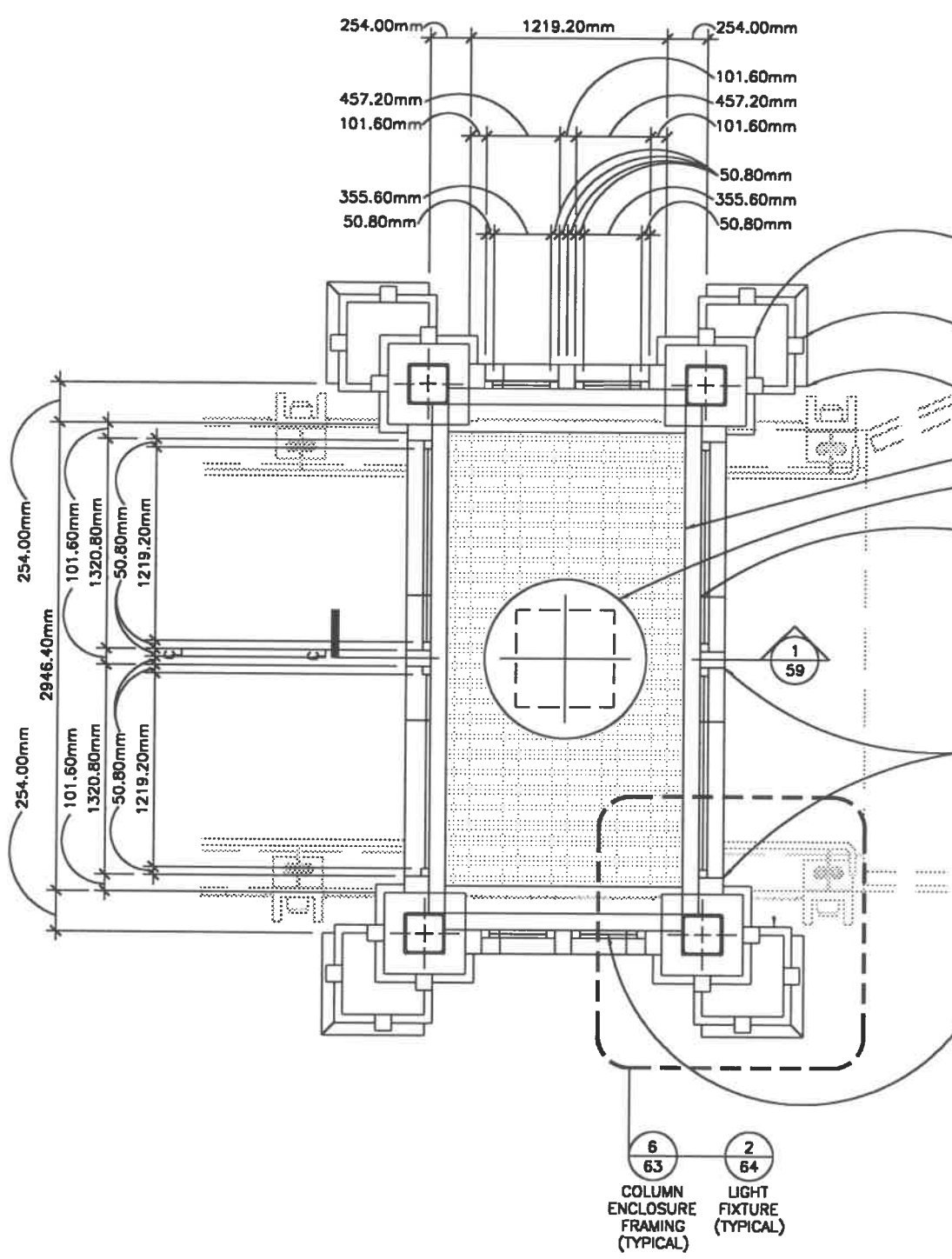
DETAIL - NEW PARTIAL BRIDGE PLAN @ LIGHT FIXTURE "D" PLATFORM / LIGHT FIXTURE "E" LEVEL
 SCALE = 1 : 20 (metric)

2
52

CALCULATED KJK CHECKED JWS	1 : 20 (METRIC)
GILBERT AVENUE PEDESTRIAN BRIDGE DETAIL PLANS - NEW BRIDGE IMPROVEMENTS	
HAM - DOWNTOWN - GATEWAYS GILBERT AVENUE	
52 77	



DETAIL -
NEW PARTIAL BRIDGE PLAN @ LIGHT FIXTURE "C" LEVEL
 SCALE = 1 : 20 (metric) 1
53



DETAIL -
NEW PARTIAL BRIDGE PLAN @ LIGHT FIXTURE "C" LEVEL
 SCALE = 1 : 20 (metric) 2
53



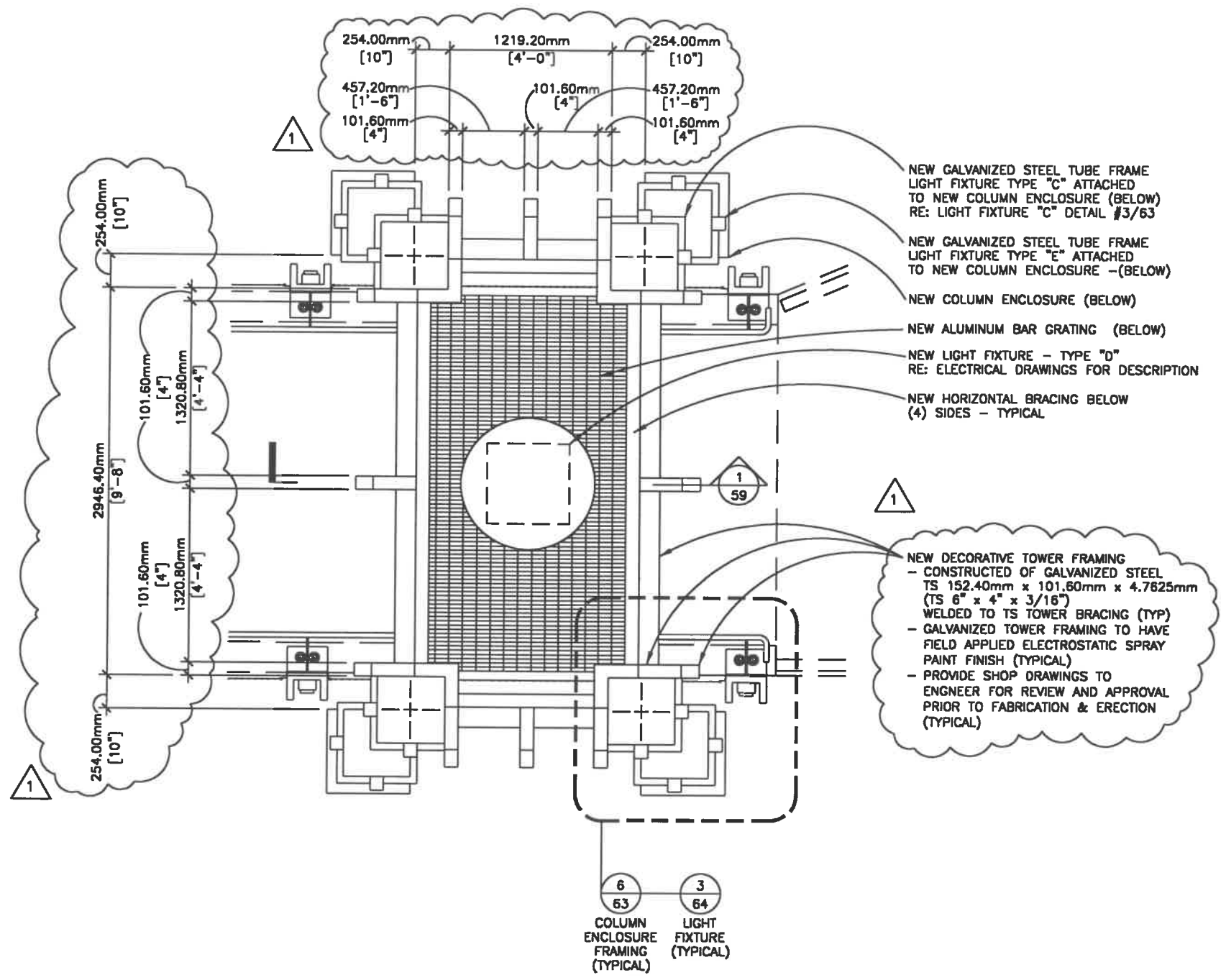
1 : 20 (METRIC)

CALCULATED KJK CHECKED JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
DETAIL PLANS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

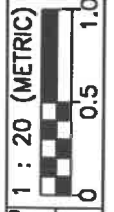
53
77



DETAIL - NEW PARTIAL BRIDGE PLAN @ TOP OF TOWER
SCALE = 1 : 20 (metric)

1 11/01/1999

1
54

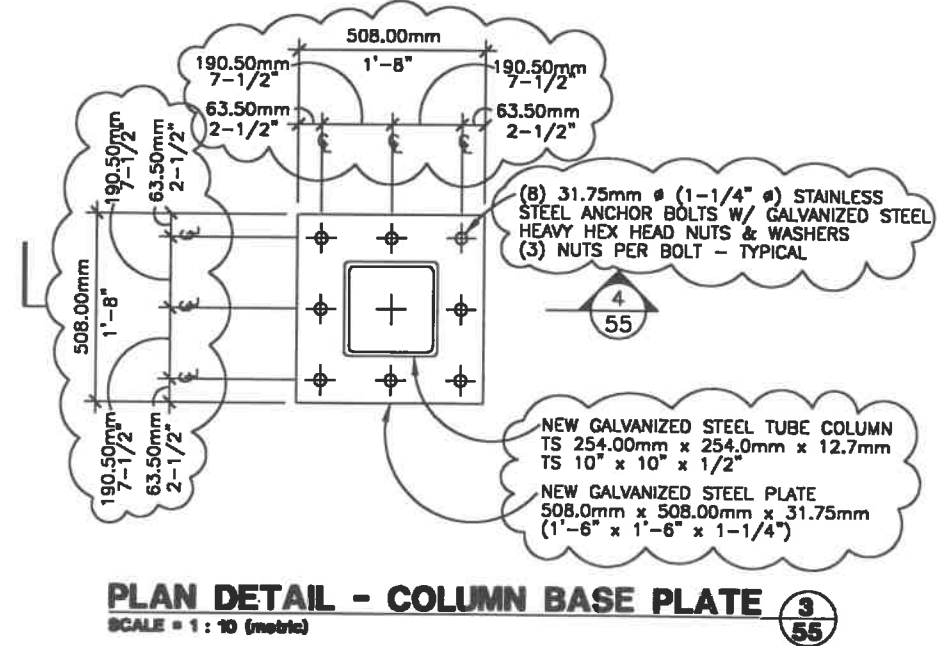
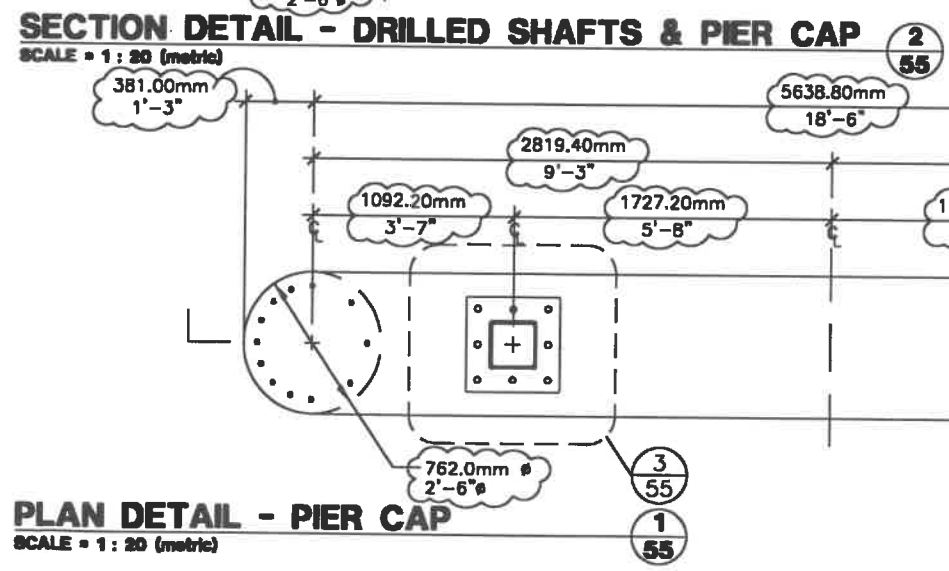
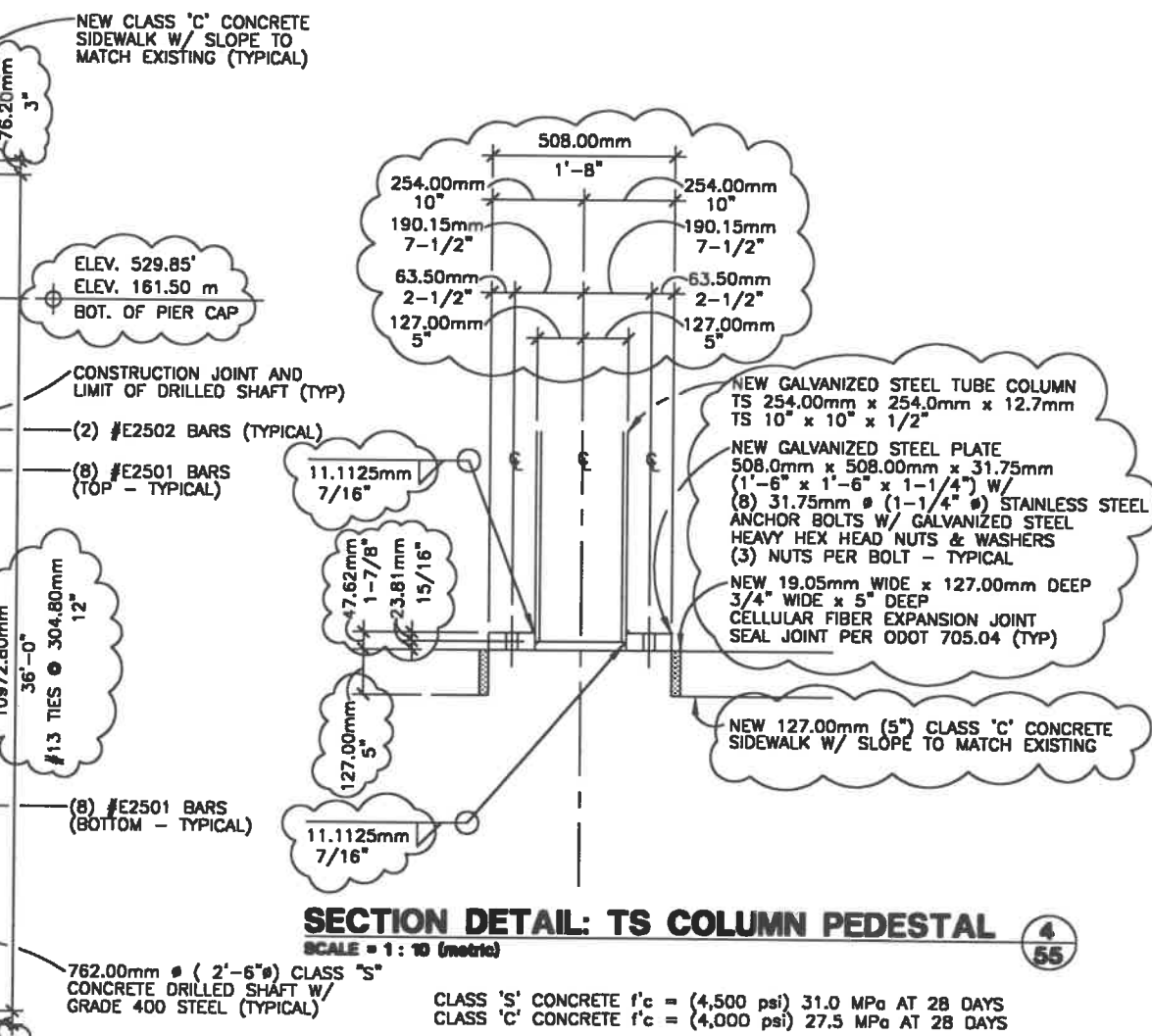
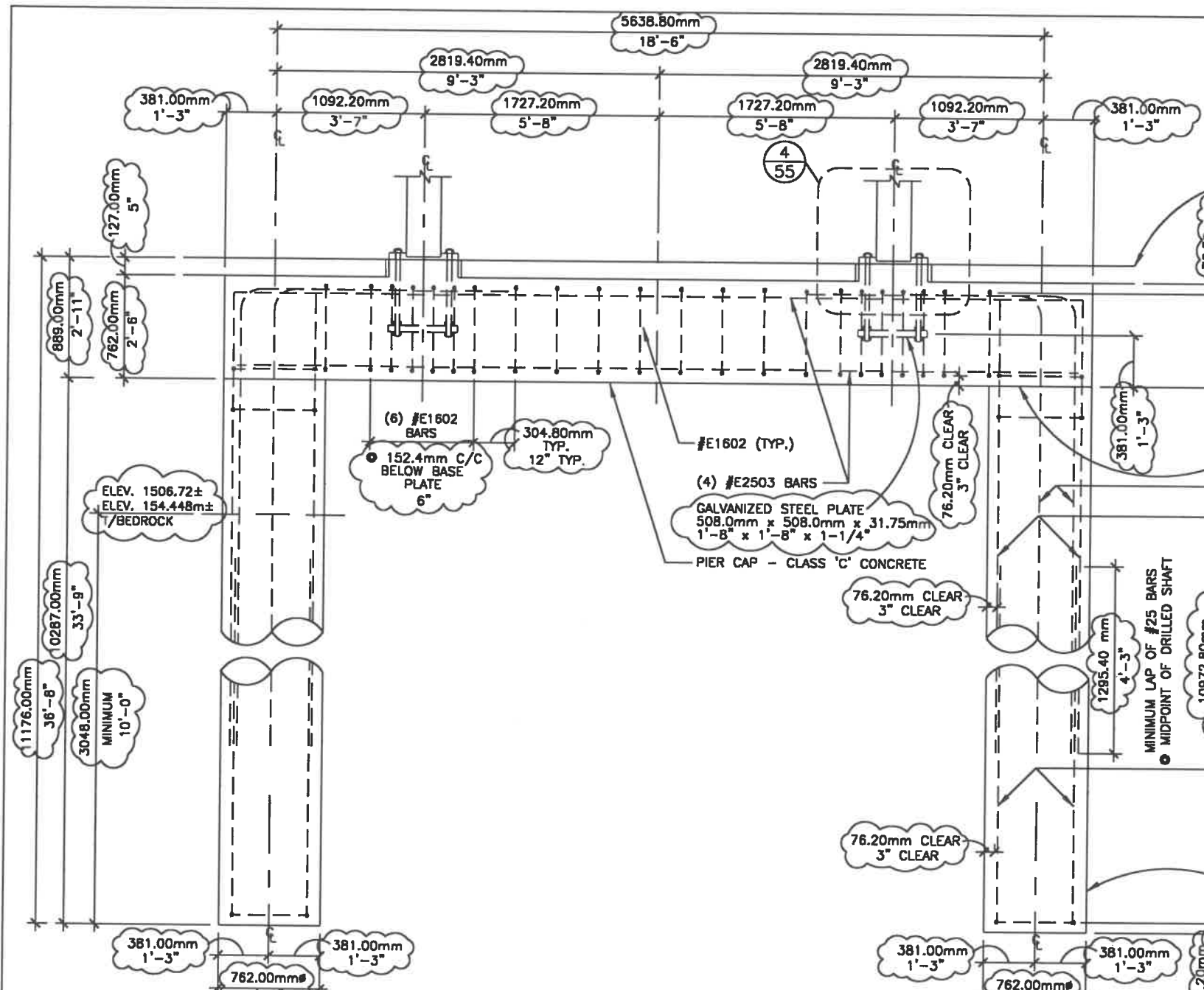


CALCULATED
KJK
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
DETAIL PLANS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

SEE SHEET # 60 FOR REINFORCING STEEL LIST

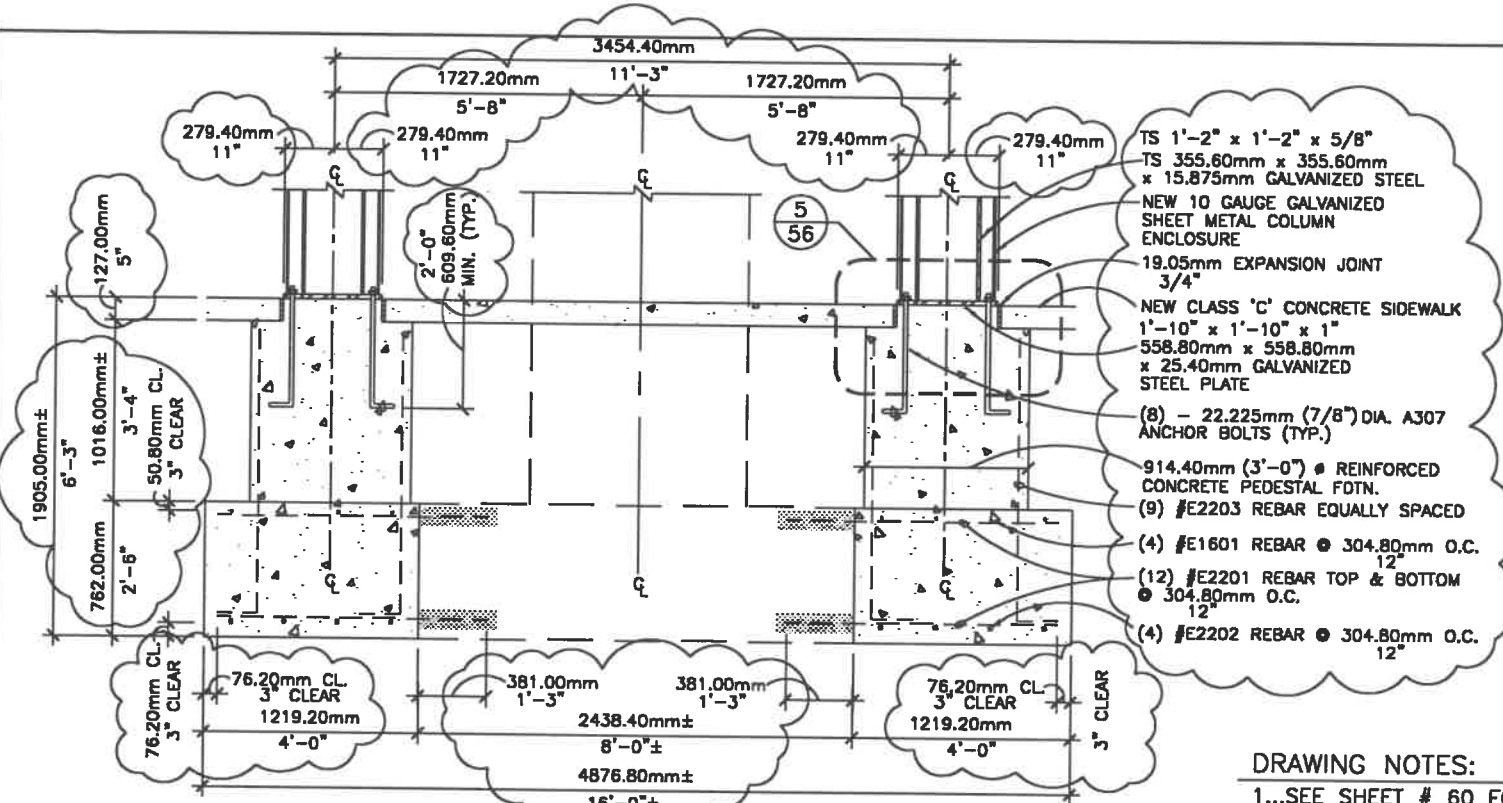


CALCULATED
KJK
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
SECTIONS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAY
GILBERT AVENUE

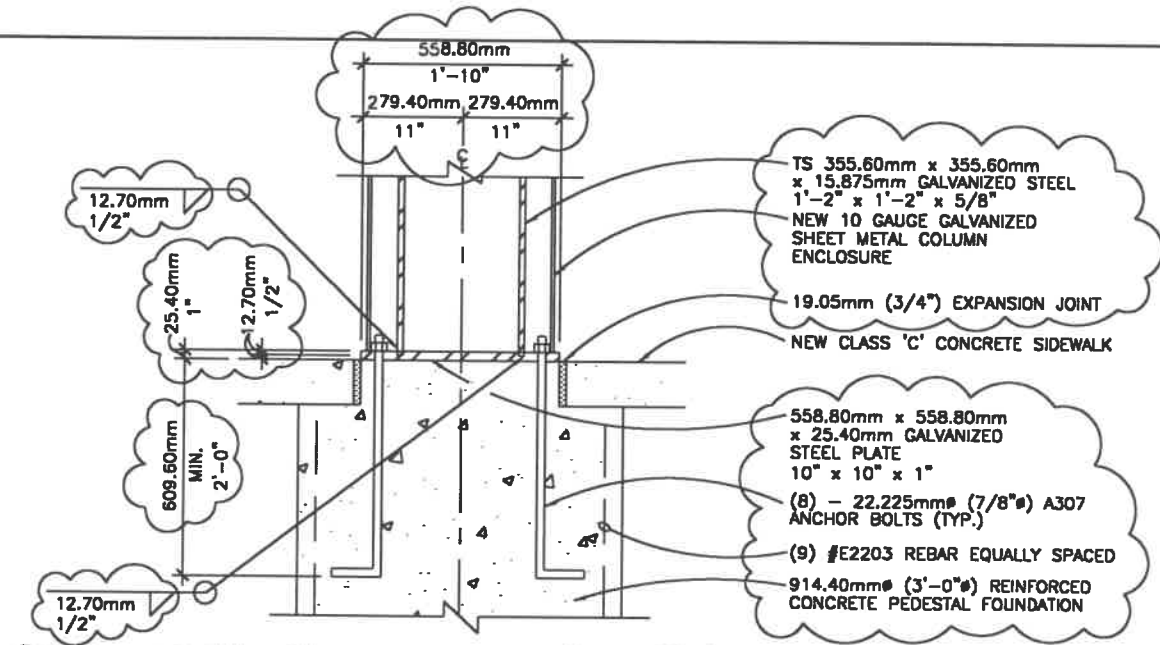
55
77



Section Detail - New Column Footing / Foundation

SCALE = 1 : 20 (metric)

TS 1'-2" x 1'-2" x 5/8"
 TS 355.60mm x 355.60mm
 x 15.875mm GALVANIZED STEEL
 ENCLOSURE
 NEW 10 GAUGE GALVANIZED
 SHEET METAL COLUMN
 ENCLOSURE
 19.05mm EXPANSION JOINT
 3/4"
 NEW CLASS 'C' CONCRETE SIDEWALK
 1'-10" x 1'-10" x 1"
 558.80mm x 558.80mm
 x 25.40mm GALVANIZED
 STEEL PLATE
 (8) - 22.225mm (7/8") DIA. A307
 ANCHOR BOLTS (TYP.)
 914.40mm (3'-0") # REINFORCED
 CONCRETE PEDESTAL FOTN.
 (9) #E2203 REBAR EQUALLY SPACED
 (4) #E1601 REBAR @ 304.80mm O.C.
 (12) #E2201 REBAR TOP & BOTTOM
 @ 304.80mm O.C.
 (4) #E2202 REBAR @ 304.80mm O.C.



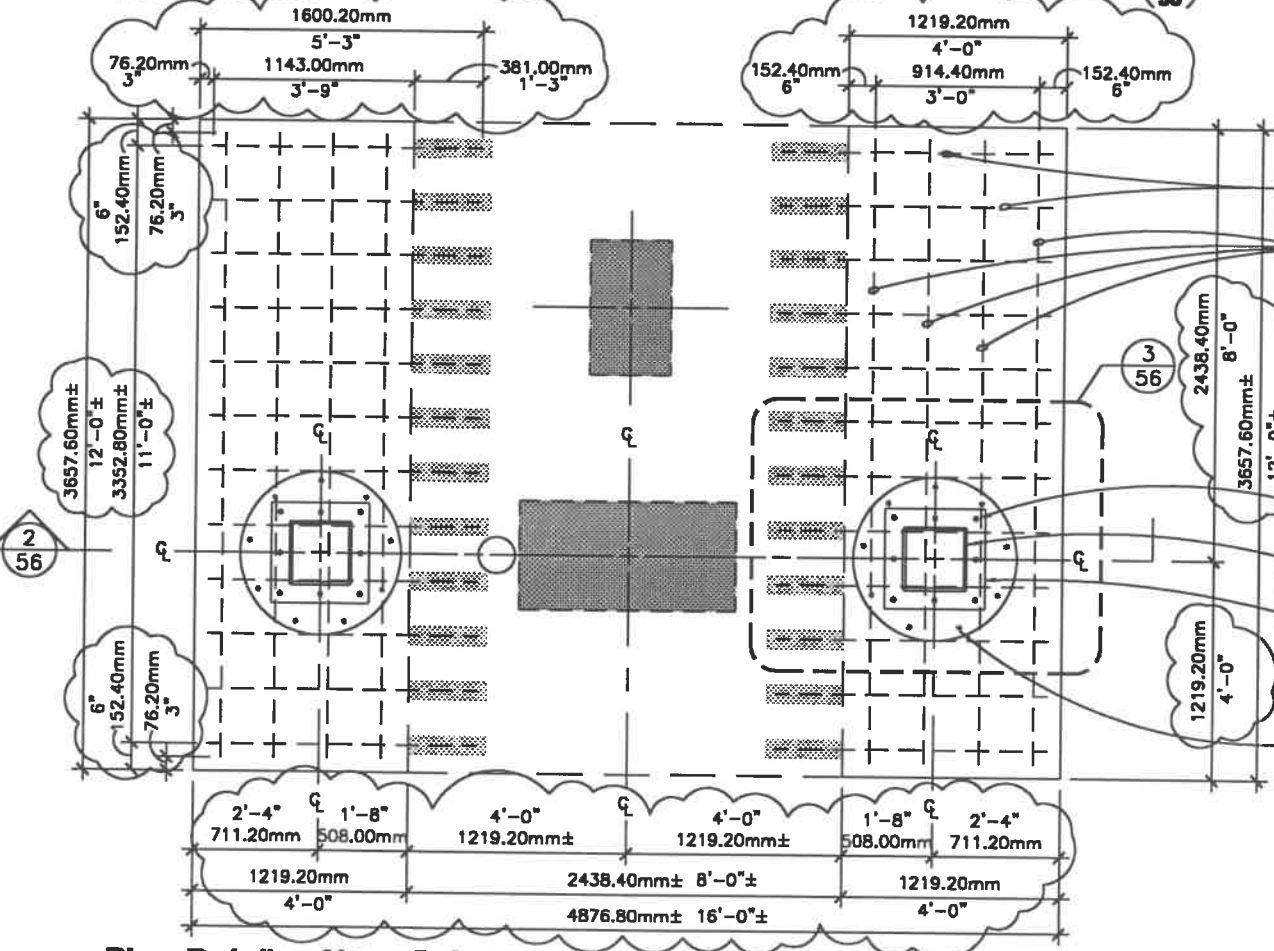
Section Detail - New TS Column Base Plate / Fdtn / Pedestal

SCALE = 1 : 10 (metric)

TS 355.60mm x 355.60mm
 x 15.875mm GALVANIZED STEEL
 1'-2" x 1'-2" x 5/8"
 NEW 10 GAUGE GALVANIZED
 SHEET METAL COLUMN
 ENCLOSURE
 19.05mm (3/4") EXPANSION JOINT
 NEW CLASS 'C' CONCRETE SIDEWALK
 558.80mm x 558.80mm
 x 25.40mm GALVANIZED
 STEEL PLATE
 10" x 10" x 1"
 (8) - 22.225mm (7/8") A307
 ANCHOR BOLTS (TYP.)
 (9) #E2203 REBAR EQUALLY SPACED
 914.40mm (3'-0") REINFORCED
 CONCRETE PEDESTAL FOUNDATION

DRAWING NOTES:

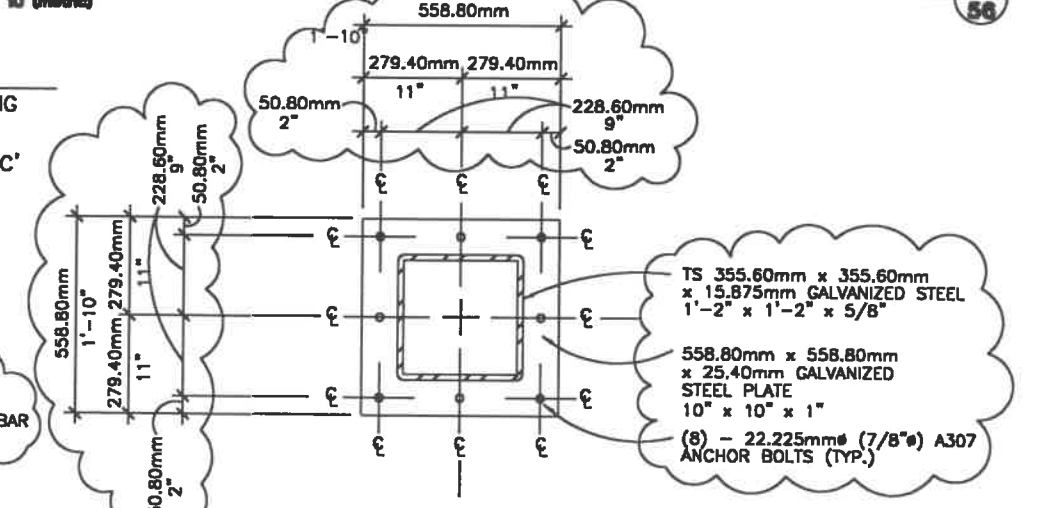
- ...SEE SHEET # 60 FOR REINFORCING STEEL LIST.
- ...ALL CONCRETE SHALL BE CLASS 'C' UNLESS NOTED.



Plan Detail - New Column Footing / Foundation

SCALE = 1 : 20 (metric)

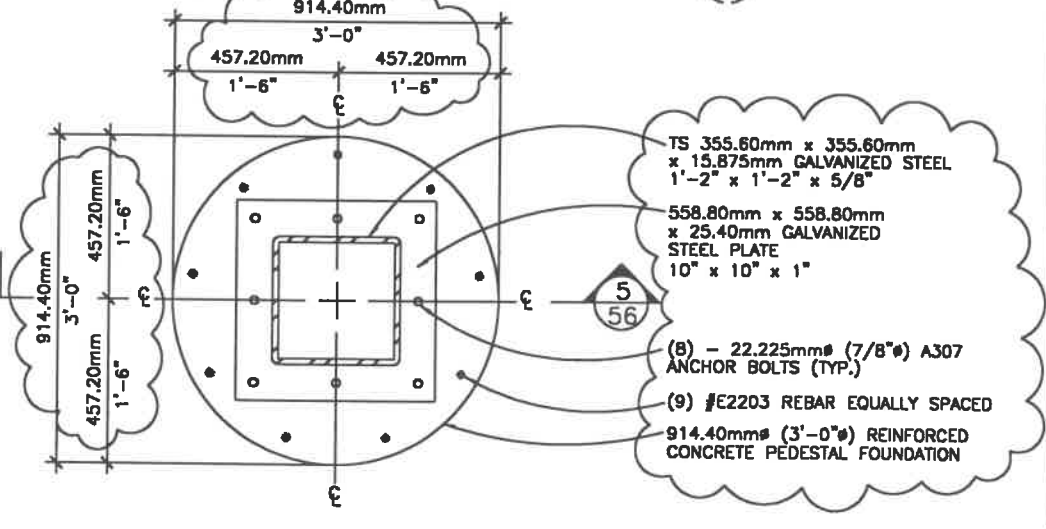
#E2201 REBAR TOP & BOTTOM
 @ 304.80mm O.C. (TYP.)
 #E1601 REBAR TOP & (4) #E2202 REBAR
 BOTTOM @ 304.80mm O.C. (TYP.)
 (8) - 22.225mm DIA. A307
 ANCHOR BOLTS (TYP.)
 TS 1'-2" x 1'-2" x 5/8"
 TS 355.60mm x 355.60mm
 x 15.875mm GALVANIZED STEEL
 1'-10" x 1'-10" x 1"
 558.80mm x 558.80mm
 x 25.40mm GALVANIZED
 STEEL PLATE
 (9) #E2203 REBAR EQUALLY SPACED



Plan Detail - New TS Column Base Plate

SCALE = 1 : 10 (metric)

TS 355.60mm x 355.60mm
 x 15.875mm GALVANIZED STEEL
 1'-2" x 1'-2" x 5/8"
 558.80mm x 558.80mm
 x 25.40mm GALVANIZED
 STEEL PLATE
 10" x 10" x 1"
 (8) - 22.225mm (7/8") A307
 ANCHOR BOLTS (TYP.)

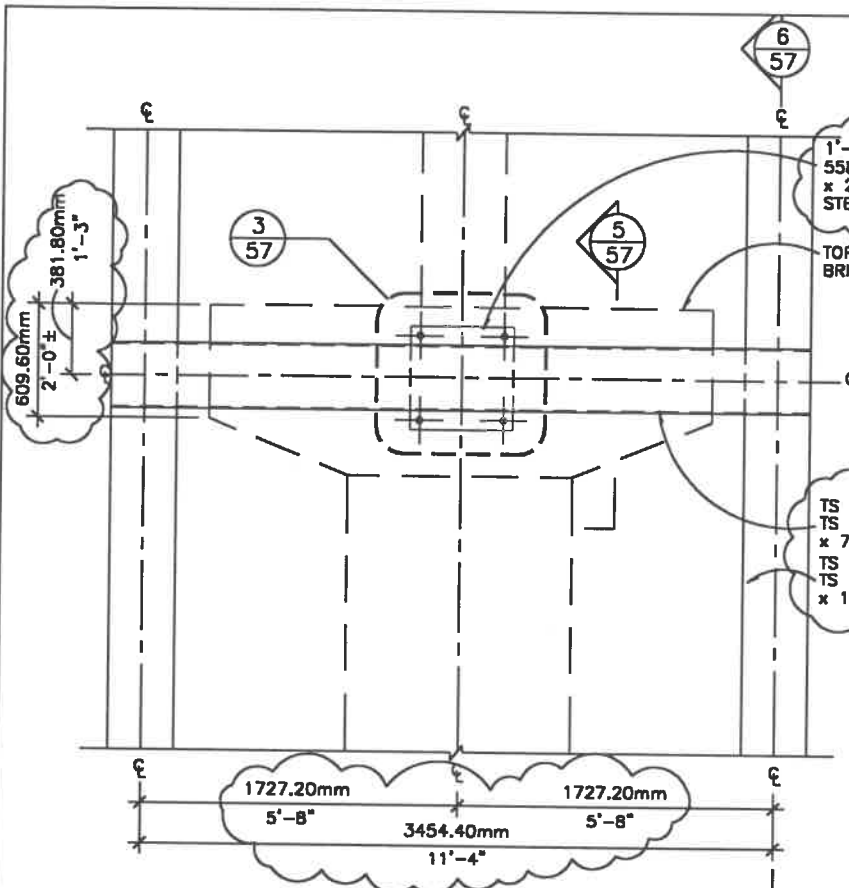


Plan Detail - New TS Column Base Plate / Fdtn / Pedestal

SCALE = 1 : 10 (metric)

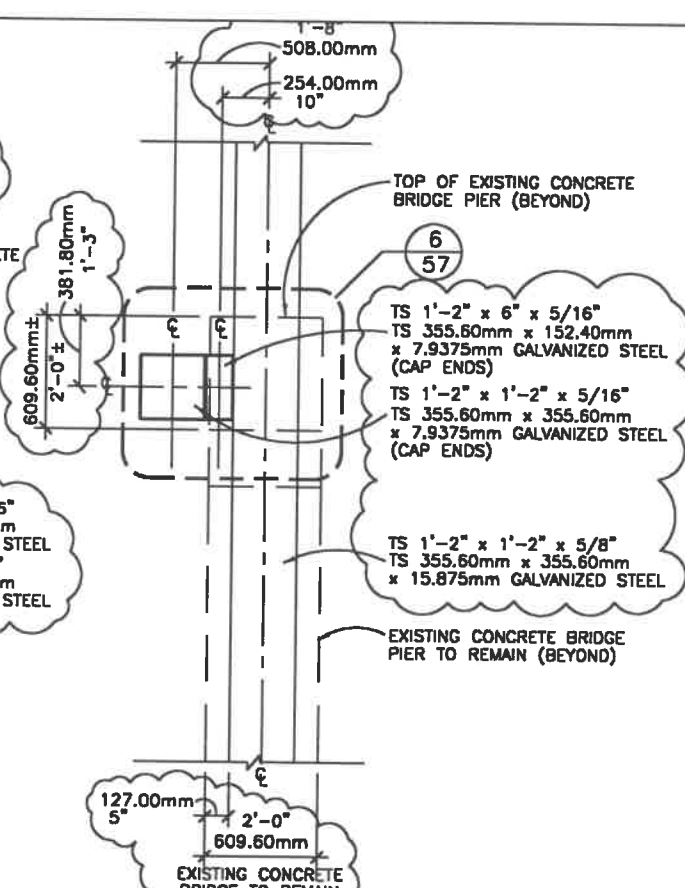
TS 355.60mm x 355.60mm
 x 15.875mm GALVANIZED STEEL
 1'-2" x 1'-2" x 5/8"
 558.80mm x 558.80mm
 x 25.40mm GALVANIZED
 STEEL PLATE
 10" x 10" x 1"
 (8) - 22.225mm (7/8") A307
 ANCHOR BOLTS (TYP.)
 (9) #E2203 REBAR EQUALLY SPACED
 914.40mm (3'-0") REINFORCED
 CONCRETE PEDESTAL FOUNDATION

CALCULATED KJK	CHECKED JWS	GILBERT AVENUE PEDESTRIAN BRIDGE SECTIONS - NEW BRIDGE IMPROVEMENTS	HAM - DOWNTOWN - GATEWAY GILBERT AVENUE	56
				77



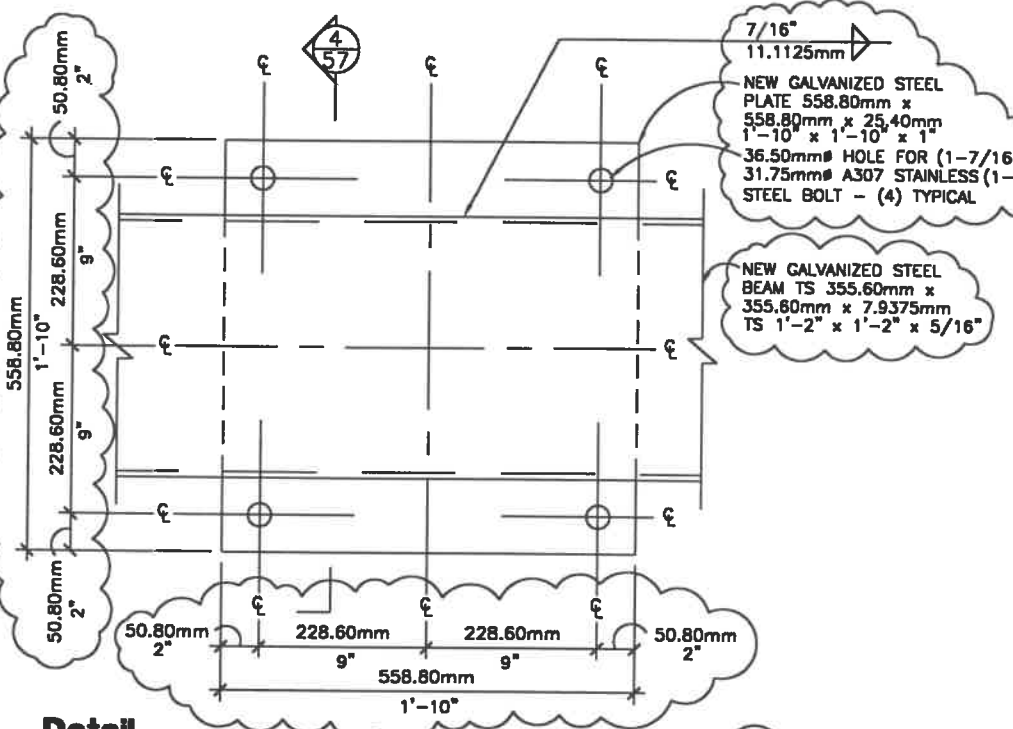
Elevation Detail - Southeast View
SCALE = 1 : 20 (metric)

1
57



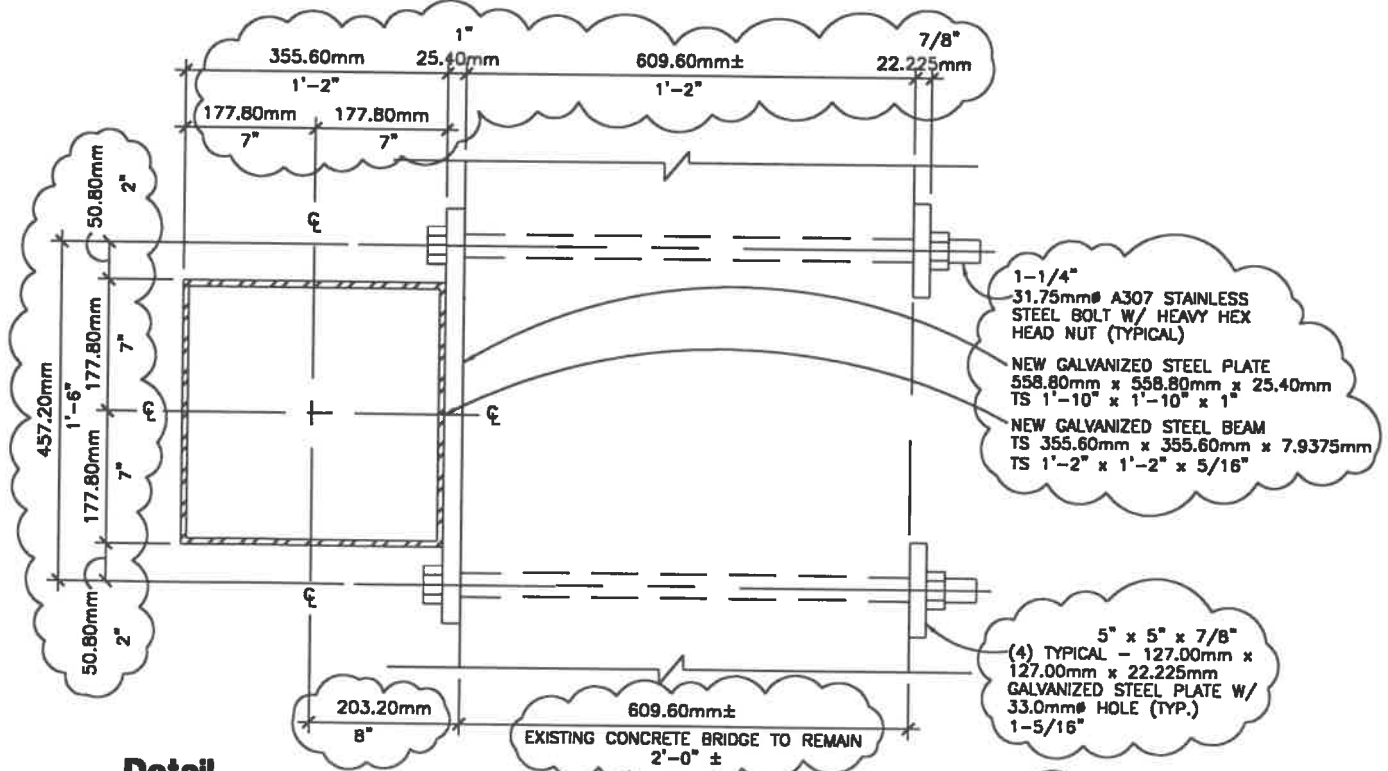
Elevation Detail - Side View
SCALE = 1 : 20 (metric)

2
57



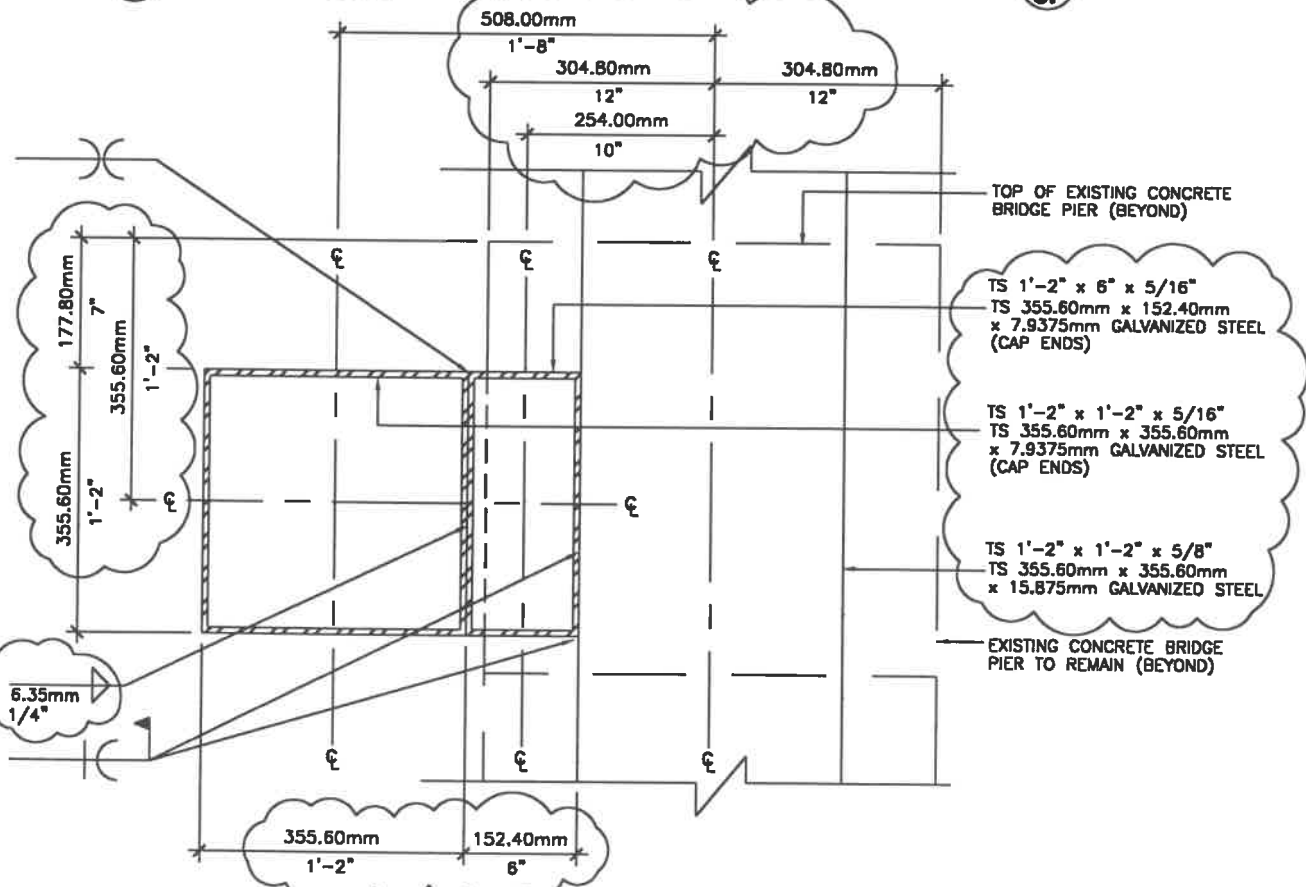
Detail
SCALE = 1 : 8 (metric)

3
57



Detail
SCALE = 1 : 8 (metric)

5
57



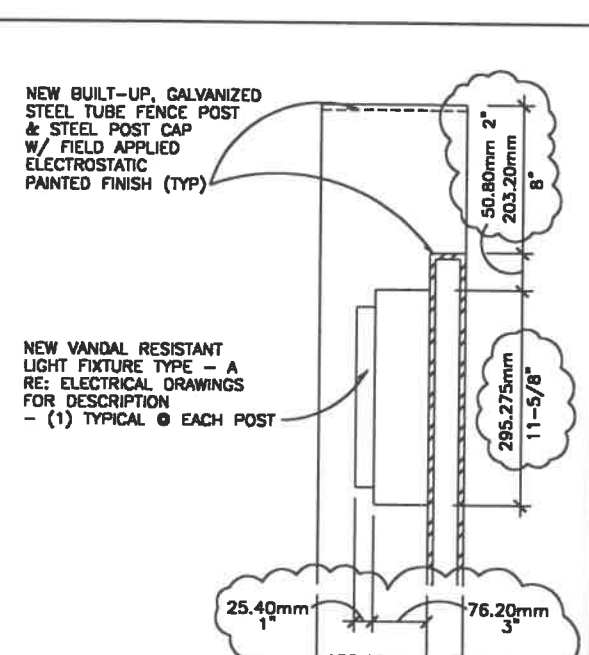
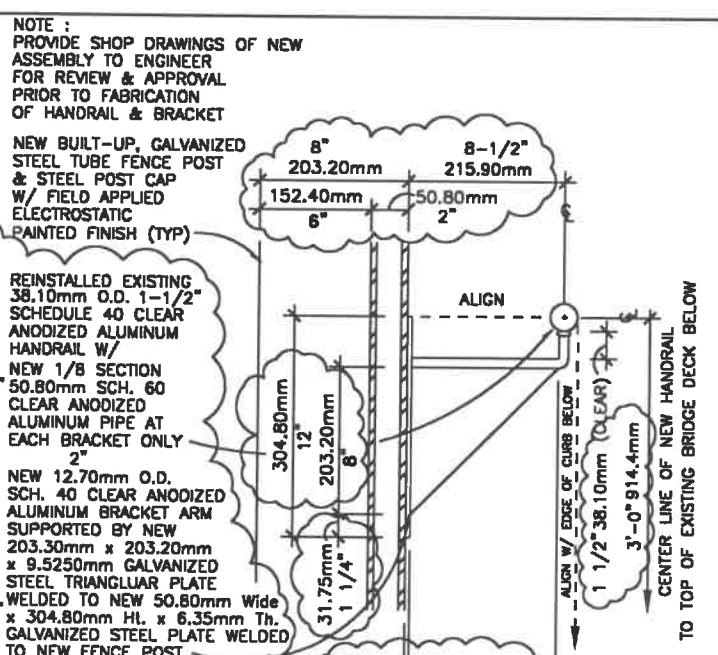
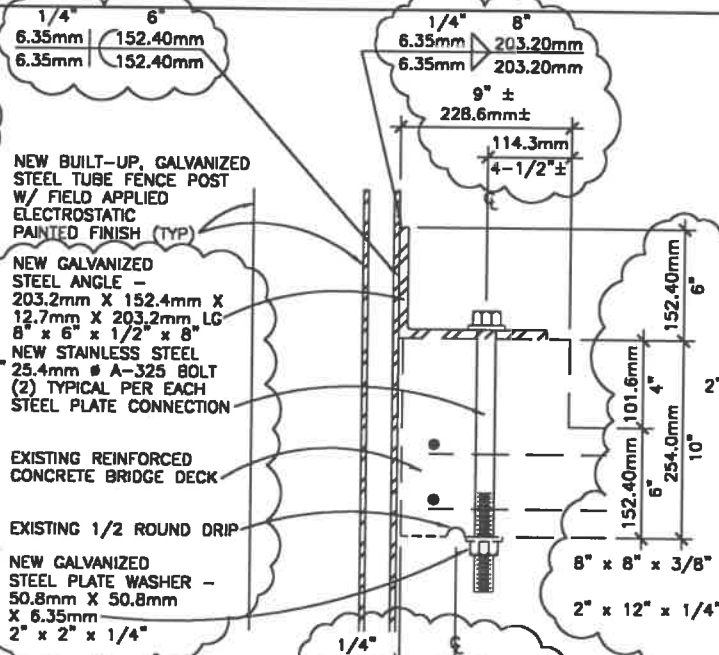
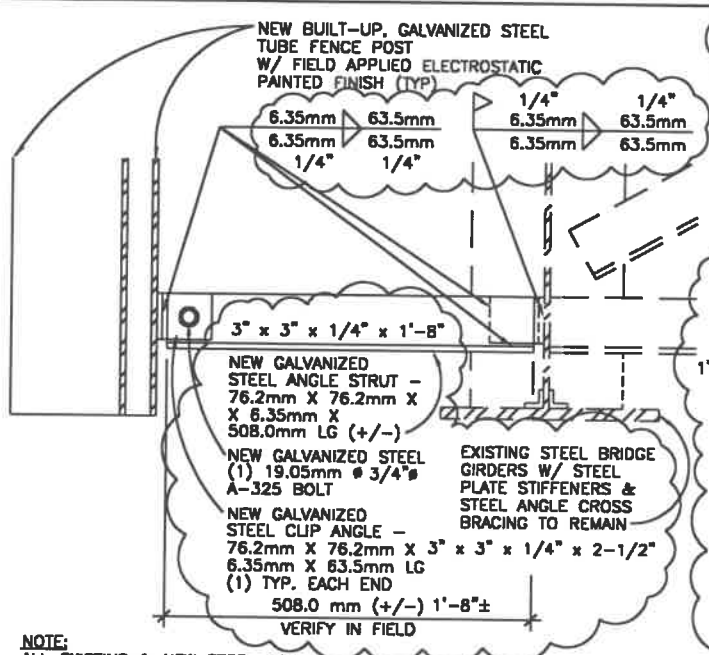
Detail
SCALE = 1 : 8 (metric)

6
57

GILBERT AVENUE PEDESTRIAN BRIDGE
SECTIONS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAY
GILBERT AVENUE

CALCULATED
KJK
CHECKED
JWS



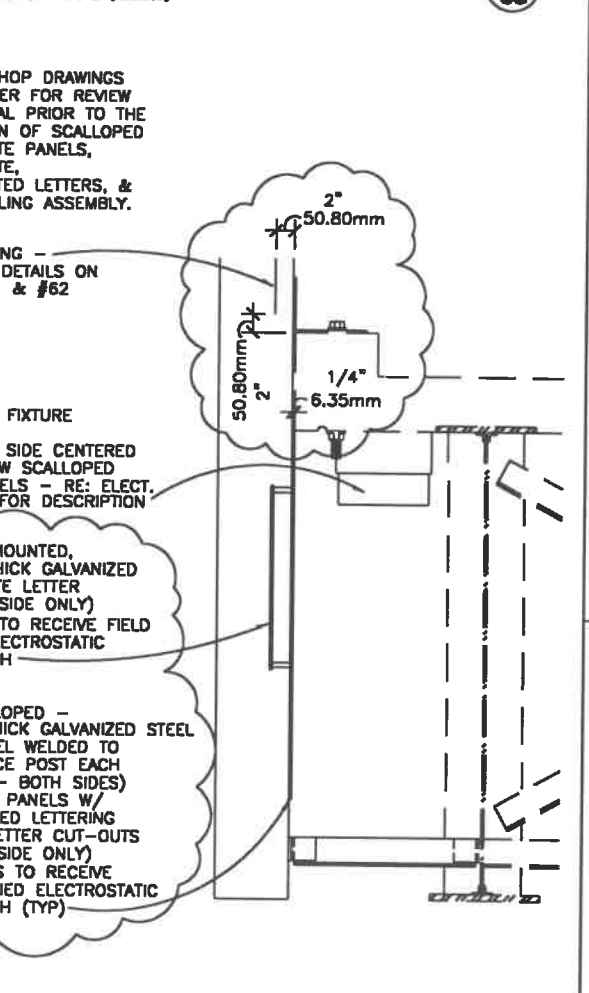
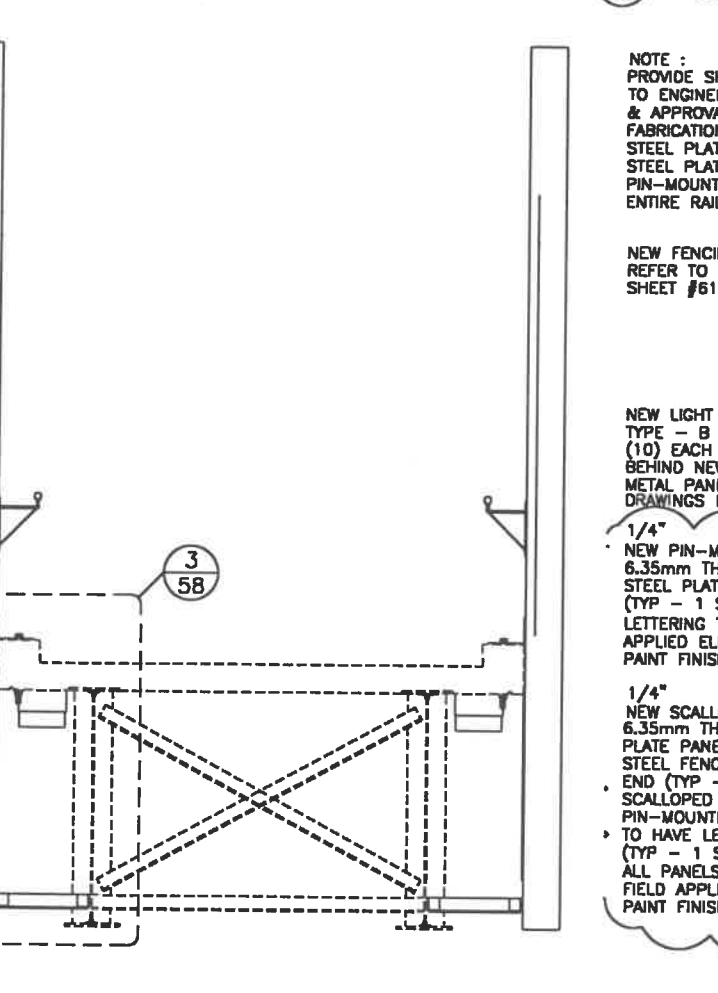
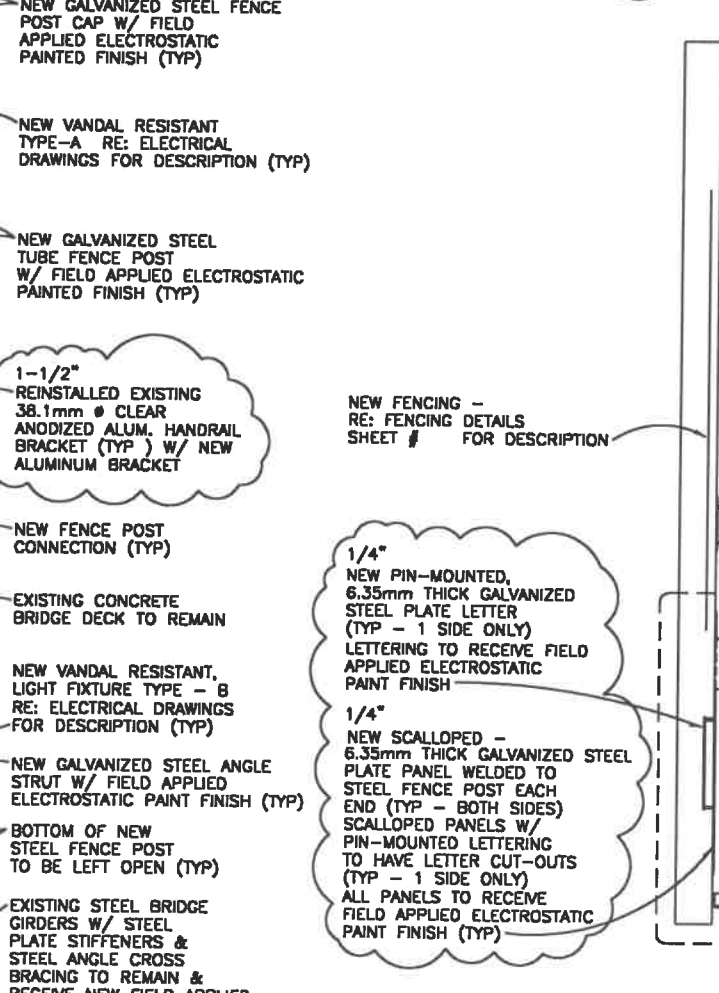
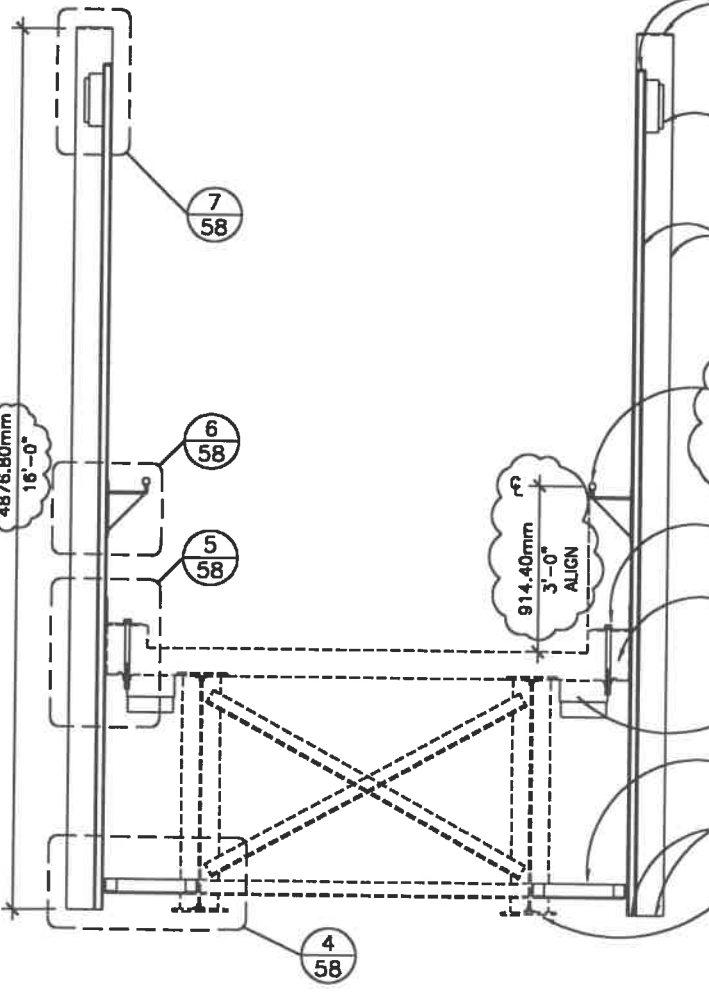
NOTE:
ALL EXISTING & NEW STEEL WORK
TO RECEIVE FIELD APPLIED ELECTROSTATIC
PAINTED FINISH

Section Detail
SCALE = 1 : 5 (metric)

Section Detail
SCALE = 1 : 5 (metric)

Section Detail
SCALE = 1 : 5 (metric)

Section Detail
SCALE = 1 : 5 (metric)



New Bridge Section
SCALE = 1 : 20 (metric)

New Bridge Section
SCALE = 1 : 20 (metric)

New Bridge Section
SCALE = 1 : 10 (metric)

NOTE :
PROVIDE SHOP DRAWINGS OF NEW
ASSEMBLY TO ENGINEER
FOR REVIEW & APPROVAL
PRIOR TO FABRICATION
OF HANDRAIL & BRACKET

NEW BUILT-UP, GALVANIZED
STEEL TUBE FENCE POST
& STEEL POST CAP
W/ FIELD APPLIED
ELECTROSTATIC
PAINTED FINISH (TYP)

REINSTALLED EXISTING
38.10mm O.D. 1-1/2"
SCHEDULE 40 CLEAR
ANODIZED ALUMINUM
HANDRAIL W/
NEW 1/8 SECTION
50.80mm SCH. 60
CLEAR ANODIZED
ALUMINUM PIPE AT
EACH BRACKET ONLY

NEW 12.70mm O.D.
SCH. 40 CLEAR ANODIZED
ALUMINUM BRACKET ARM
SUPPORTED BY NEW
203.30mm x 203.20mm
x 9.5250mm GALVANIZED
STEEL TRIANGULAR PLATE
WELDED TO NEW 50.80mm Wide
x 304.80mm Hl. x 6.35mm Th.
GALVANIZED STEEL PLATE WELDED
TO NEW FENCE POST

NEW BUILT-UP, GALVANIZED
STEEL TUBE FENCE POST
& STEEL POST CAP
W/ FIELD APPLIED
ELECTROSTATIC
PAINTED FINISH (TYP)

NEW VANDAL RESISTANT
LIGHT FIXTURE TYPE - A
RE: ELECTRICAL DRAWINGS
FOR DESCRIPTION
- (1) TYPICAL @ EACH POST

NOTE :
PROVIDE SHOP DRAWINGS
TO ENGINEER FOR REVIEW
& APPROVAL PRIOR TO THE
FABRICATION OF SCALLOPED
STEEL PLATE PANELS,
STEEL PLATE,
PIN-MOUNTED LETTERS, &
ENTIRE RAILING ASSEMBLY.

NEW FENCING -
REFER TO DETAILS ON
SHEET #61 & #62

NEW LIGHT FIXTURE
TYPE - B
(10) EACH SIDE CENTERED
BEHIND NEW SCALLOPED
METAL PANELS - RE: ELECT.
DRAWINGS FOR DESCRIPTION

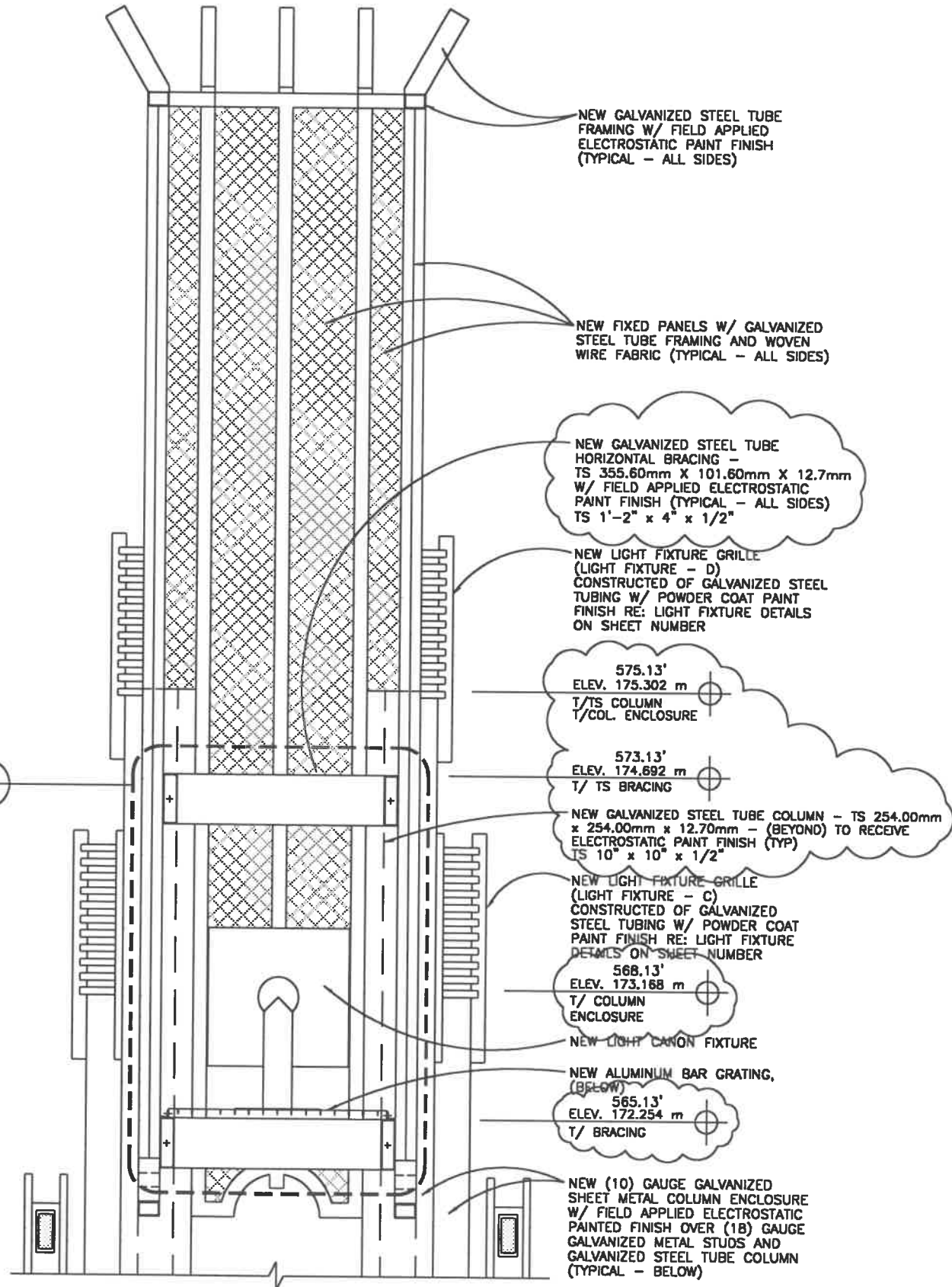
1/4"
NEW PIN-MOUNTED,
6.35mm THICK GALVANIZED
STEEL PLATE LETTER
(TYP - 1 SIDE ONLY)
LETTERING TO RECEIVE FIELD
APPLIED ELECTROSTATIC
PAINT FINISH

1/4"
NEW SCALLOPED -
6.35mm THICK GALVANIZED STEEL
PLATE PANEL WELDED TO
STEEL FENCE POST EACH
END (TYP - BOTH SIDES)
SCALLOPED PANELS W/
PIN-MOUNTED LETTERING
TO HAVE LETTER CUT-OUTS
(TYP - 1 SIDE ONLY)
ALL PANELS TO RECEIVE
FIELD APPLIED ELECTROSTATIC
PAINT FINISH (TYP)

GILBERT AVENUE PEDESTRIAN BRIDGE
SECTIONS - NEW BRIDGE IMPROVEMENTS

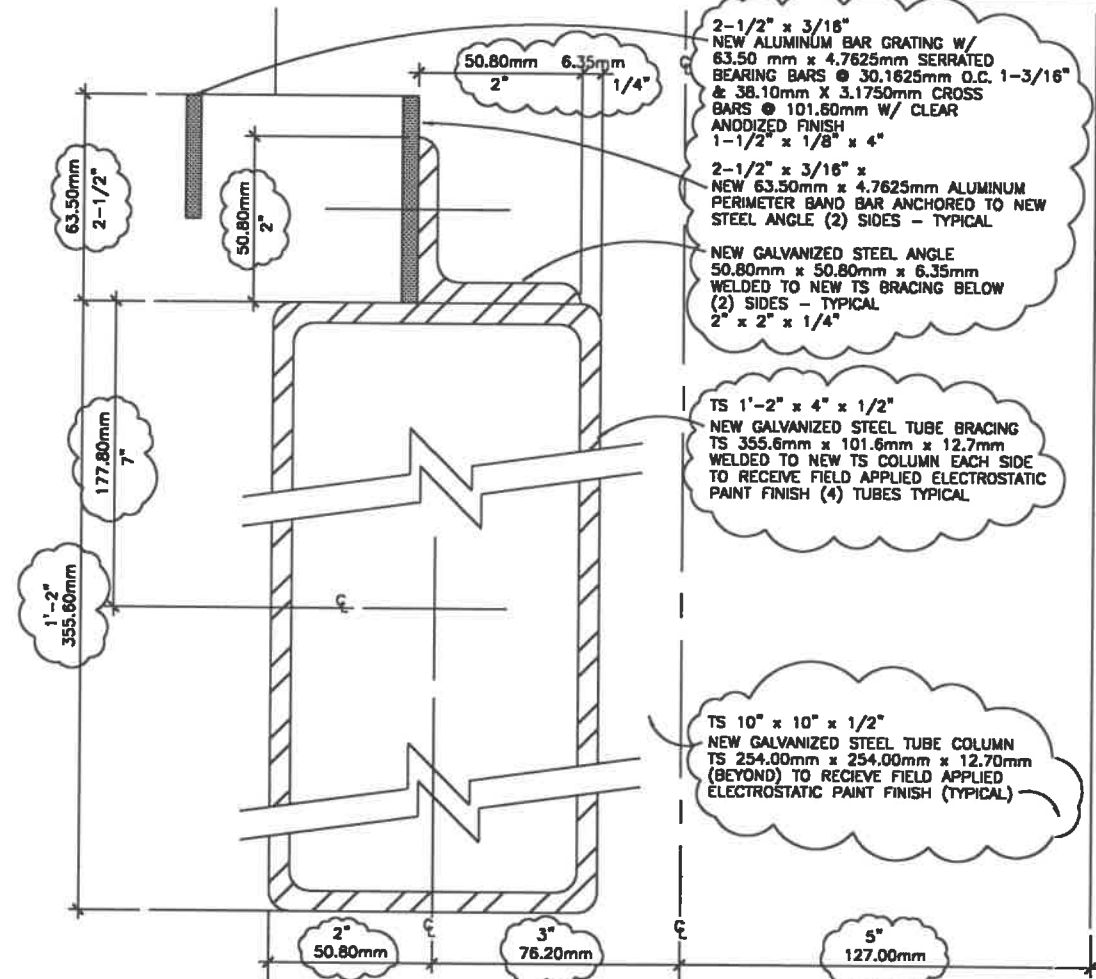
HAM - DOWNTOWN - GATEWAY
GILBERT AVENUE

CALCULATED
JWS
CHECKED
JWS

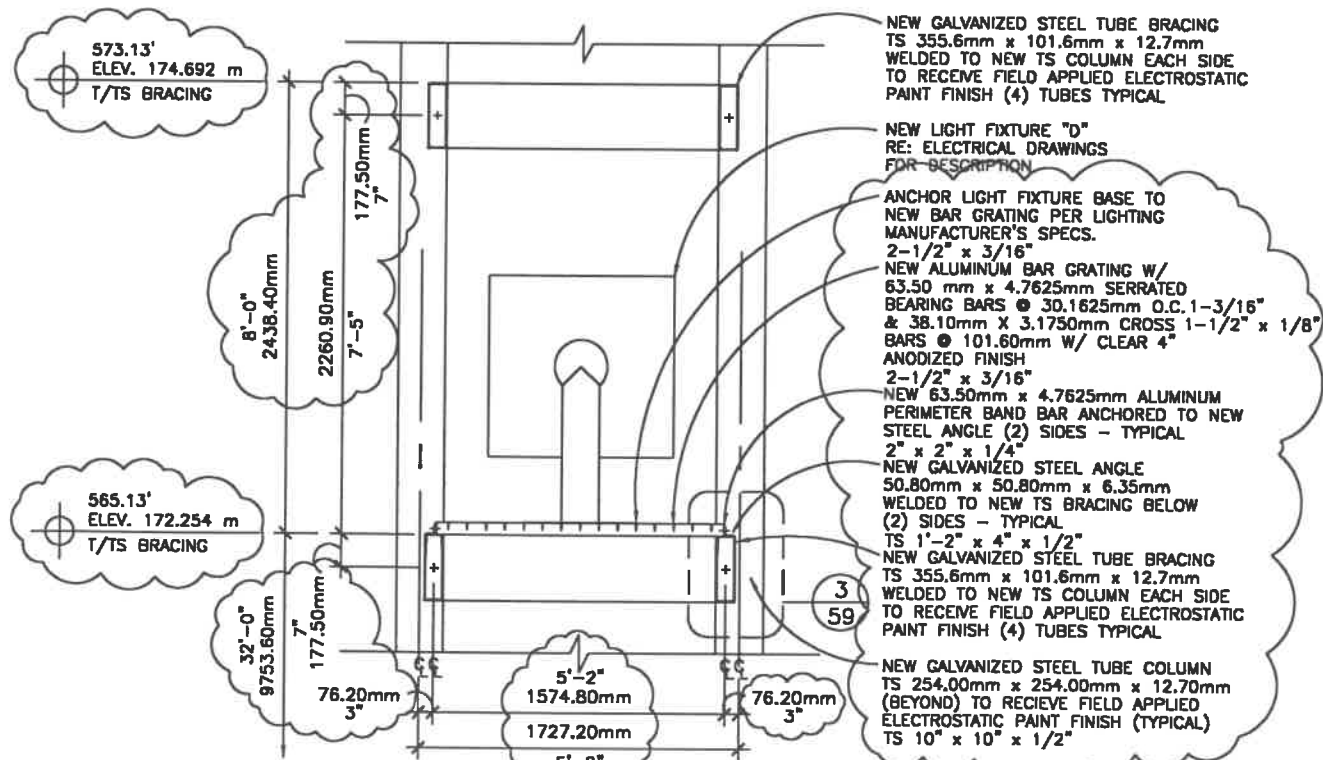


SECTION: NEW PLATFORM - LIGHT FIXTURE "D"
SCALE = 1 : 20 (metric)

1
59



SECTION DETAIL: NEW BAR GRATING CONNECTION
FULL SCALE (metric)



SECTION DETAIL: NEW PLATFORM - LIGHT FIXTURE "D"
SCALE = 1 : 20 (metric)

2
59



CALCULATED
KJK
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
SECTION - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

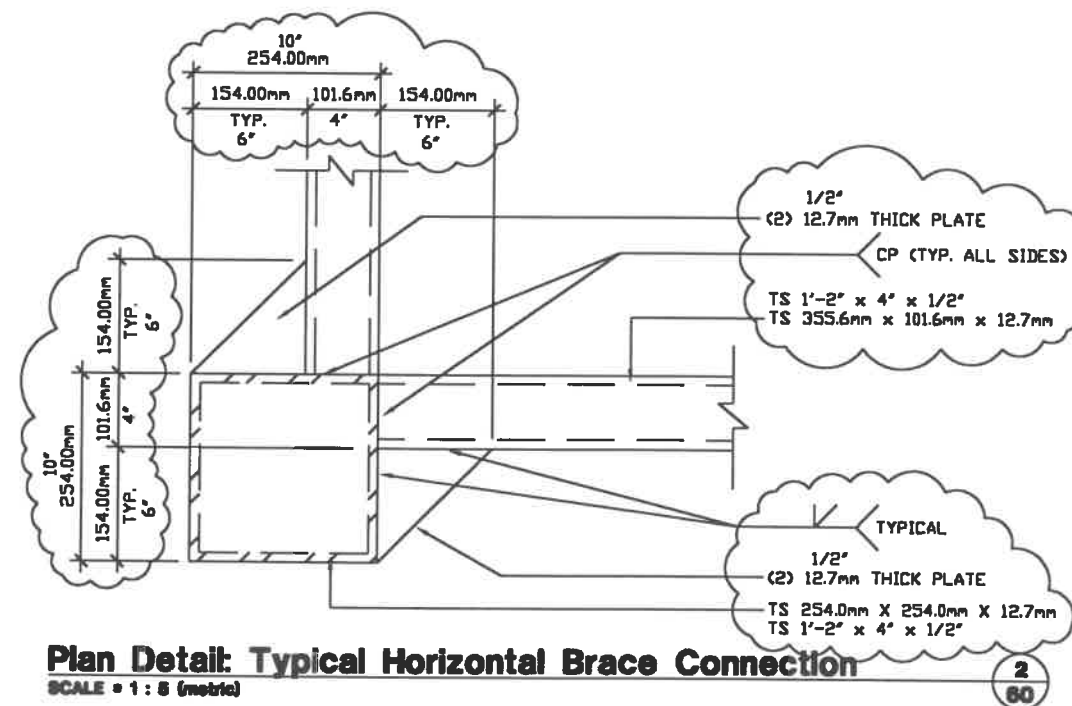
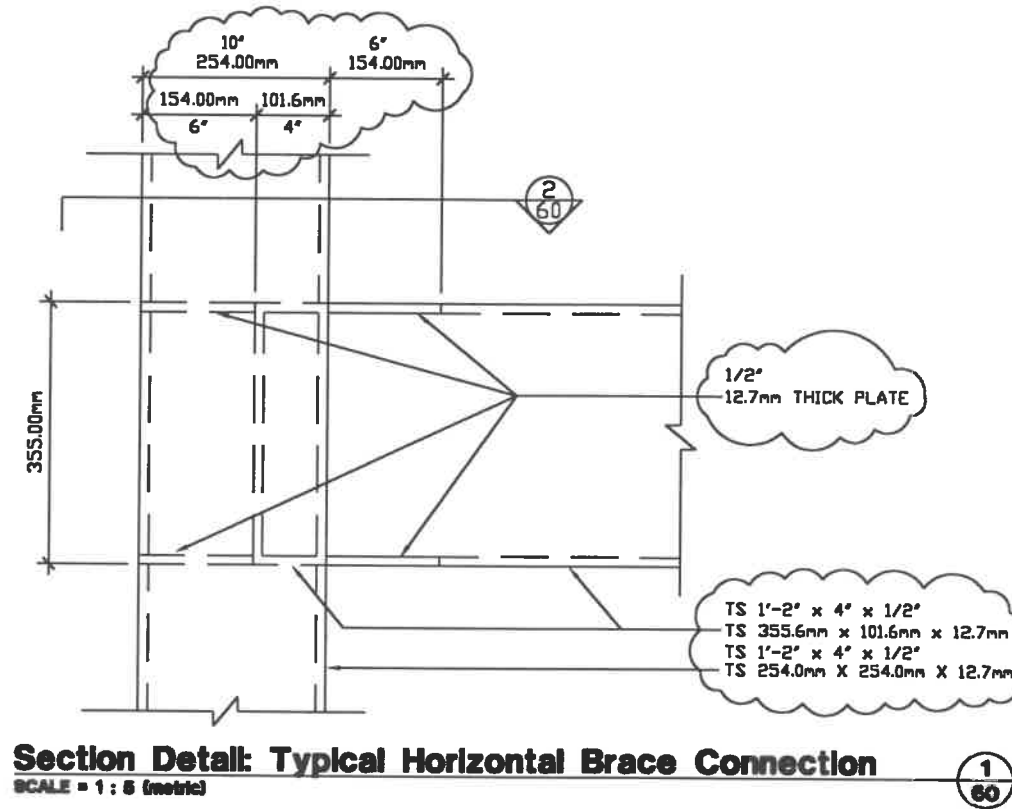
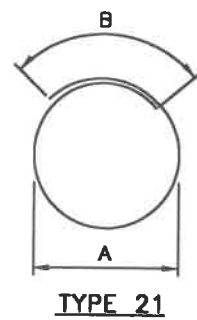
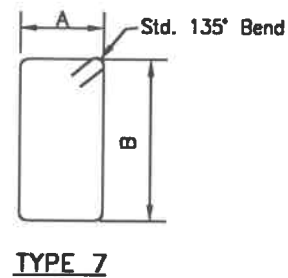
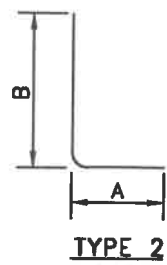
59
77

EPOXY COATED REINFORCING STEEL LIST										
MARK	TOTAL	LENGTH	MASS	TYPE	DIMENSIONS					INCR.
					A	B	C	D	E	
E1301	90	2515	355	21	610	600				
E1601	8	3510	44	STR.						
E1602	22	1475	51	7	660	660				
E2201	48	1525	115	STR.						
E2202	8	3510	44	STR.						
E2203	18	2000	56	2	1690	360				
E2501	32	7620	383	STR.						
E2502	8	2540	32	2	1300	1300				
E2503	8	6300	79	STR.						

Total Mass, Epoxy Coated Reinforcing Steel, Grade 400 = 1159 kg.

BAR BENDING DIAGRAMS

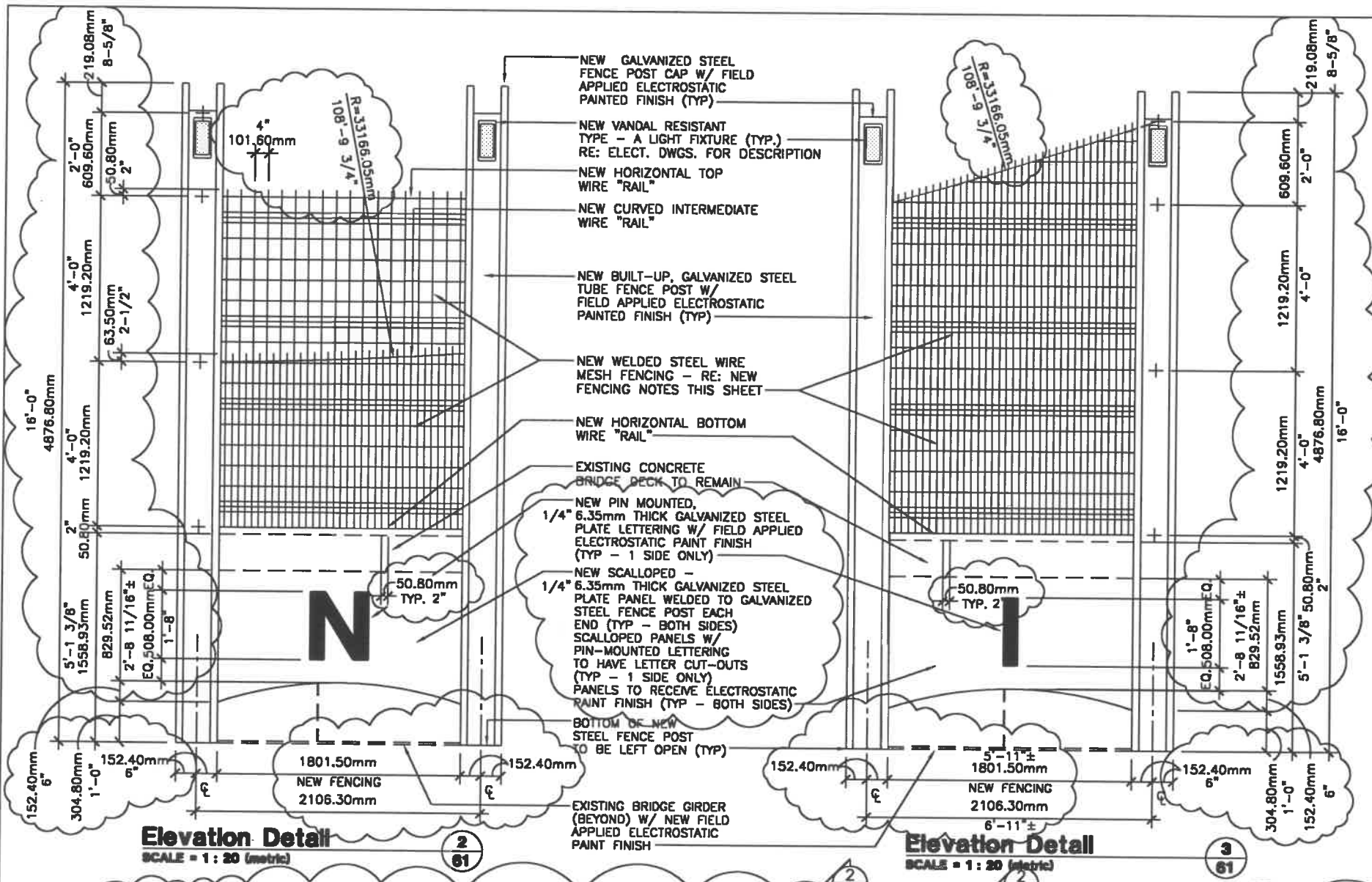
(All dimensions are out to out of bars)



CALCULATED
KJK
CHECKED
JWS

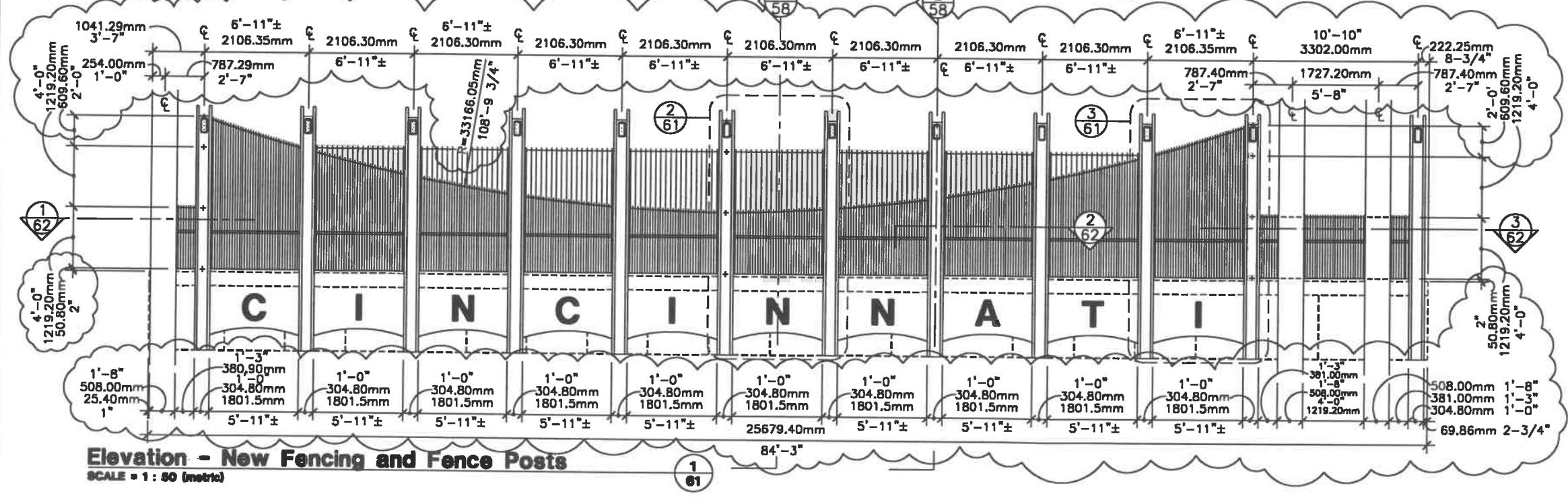
GILBERT AVENUE PEDESTRIAN BRIDGE
DETAILS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAY
GILBERT AVENUE



NEW FENCING NOTES:

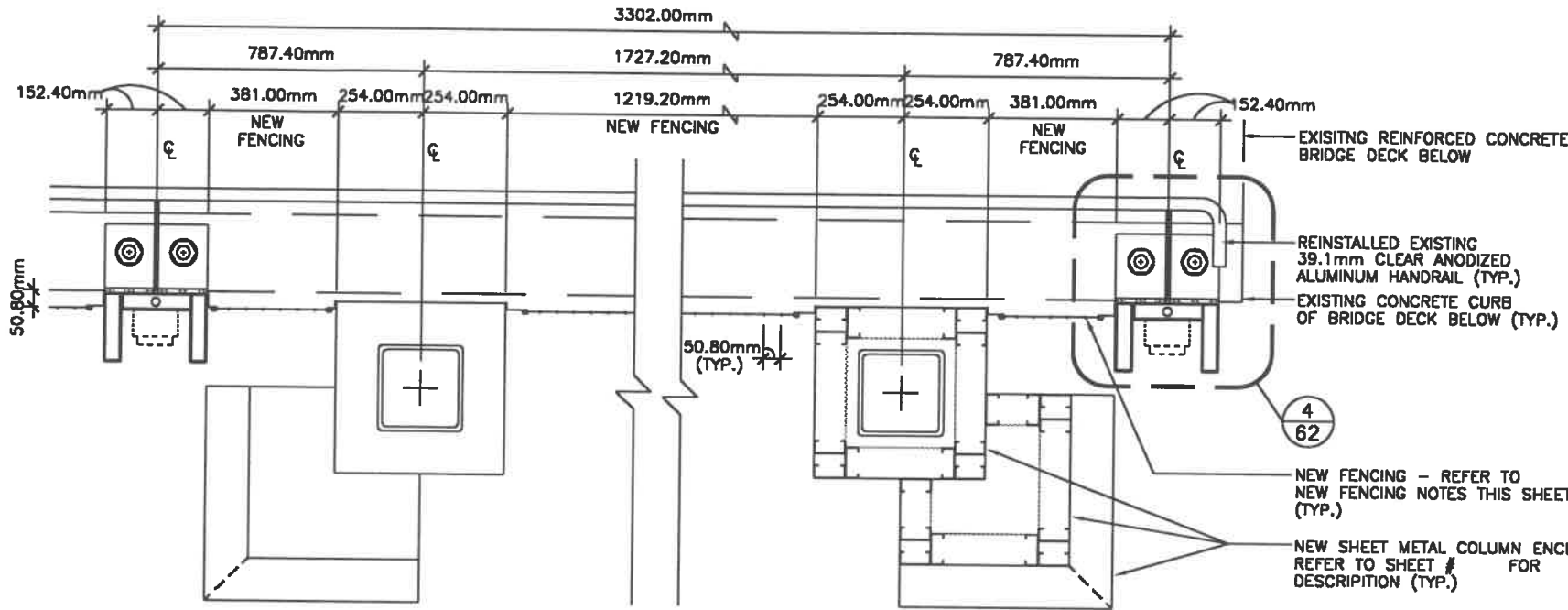
- NEW VANDAL SCREENING FENCING TO BE WELDED WIRE MESH WITH VERTICAL PICKETS AS DEPICTED PER PLAN AND ELEVATION DETAILS AND WITH HORIZONTALS AND FOLDS AS REQUIRED. PROVIDE FOR STRAIGHT BOTTOM, STRAIGHT TOP, AND "RAILS" AS DEPICTED PER ELEVATION DETAILS.
- NEW WELDED WIRE MESH TO BE (6) GAUGE STEEL WIRE WITH A TENSILE STRENGTH OF 75,000 PSI AND WITH A WELD - SHEAR STRENGTH MEETING OR EXCEEDING ASTM A185
- NEW FENCE POST ANCHORS TO BE (16) GAUGE COLD - ROLLED STEEL WITH A NOMINAL THICKNESS OF 1.6mm, A STEEL YIELD POINT OF 33,000 PSI (225 MPA) MINIMUM, AND A TENSILE STRENGTH OF 45,000 PSI (307 MPA) MINIMUM.
- POLYESTER POWDER COAT PAINT FINISH TO BE ELECTROSTATICALLY APPLIED WITH A MINIMUM THICKNESS OF (4) MILS (100 MICRONS). COATING TO MEET OR EXCEED THE FOLLOWING MECHANICAL TESTS:
 - ADHESION; ASTM D3359 (CROSS HATCH) METHOD B
 - IMPACT RESISTANCE; ASTM D2794
 COATING TO MEETING OR EXCEED THE FOLLOWING CHEMICAL / DURABILITY TESTS:
 - SALTSPRAM RESISTANCE; ASTM B117
 - HUMIDITY RESISTANCE; ASTM D2247
- PROVIDE SHOP DRAWINGS TO CITY PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- STRUCTURAL TUBES SHALL BE ASTM A500 GRADE 'B' OTHER STEEL SHALL BE ASTM A36 UNLESS NOTED.



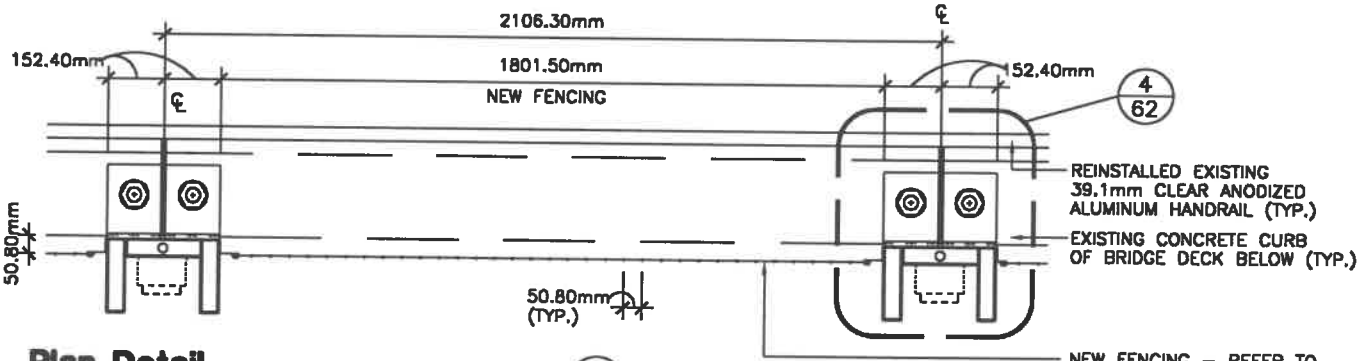
CALCULATED
JWS
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
DETAILS - NEW BRIDGE IMPROVEMENTS

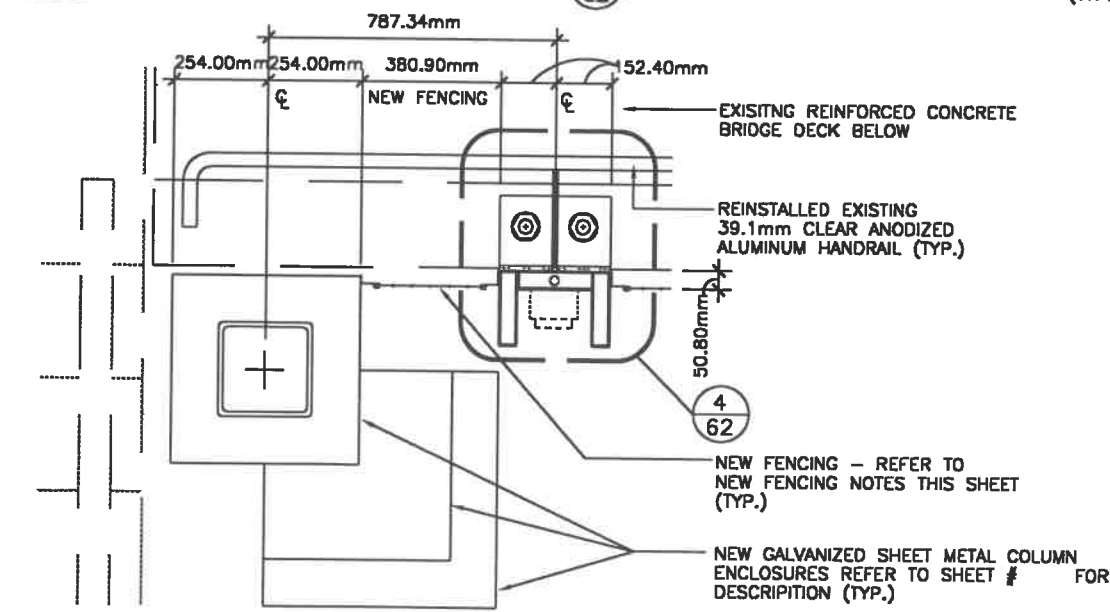
HAM-DOWNTOWN-GATEWAYS
GILBERT AVENUE



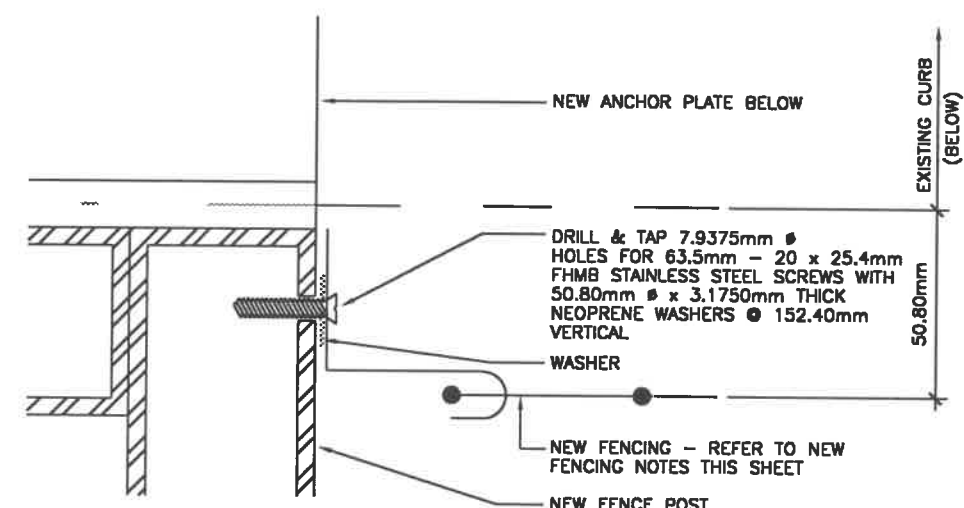
Plan Detail
SCALE = 1 : 10 (metric)



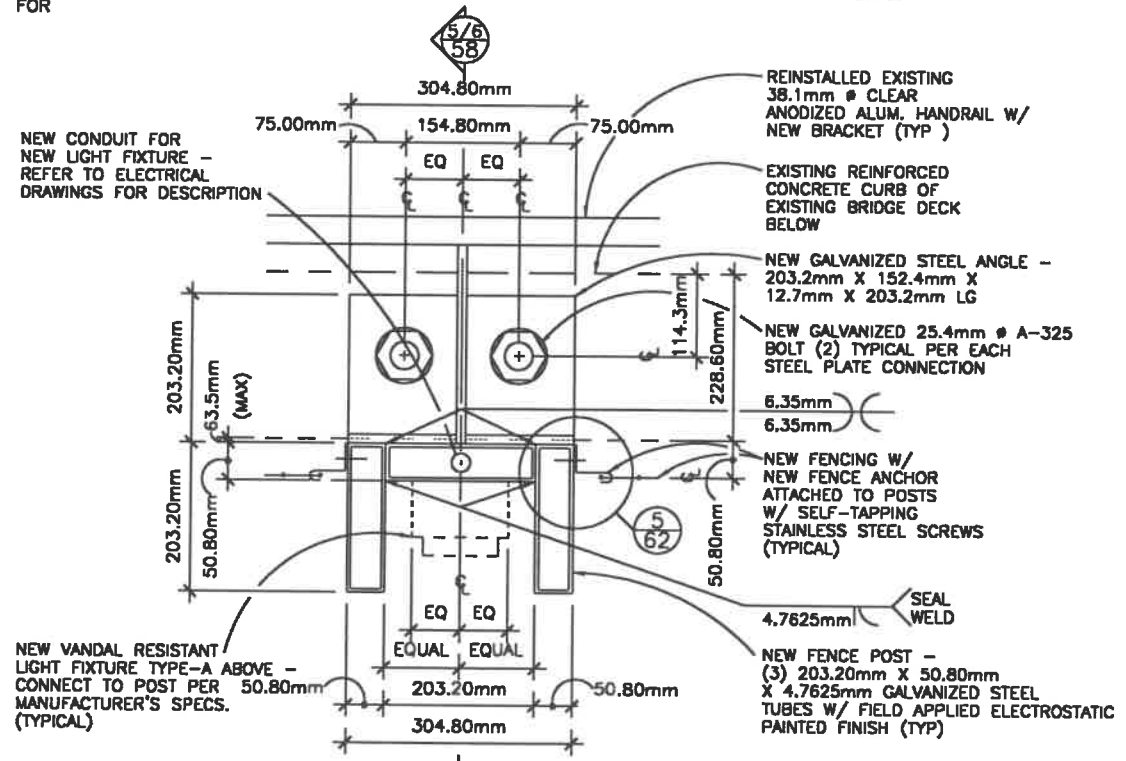
Plan Detail
SCALE = 1 : 10 (metric)



Plan Detail
SCALE = 1 : 10 (metric)



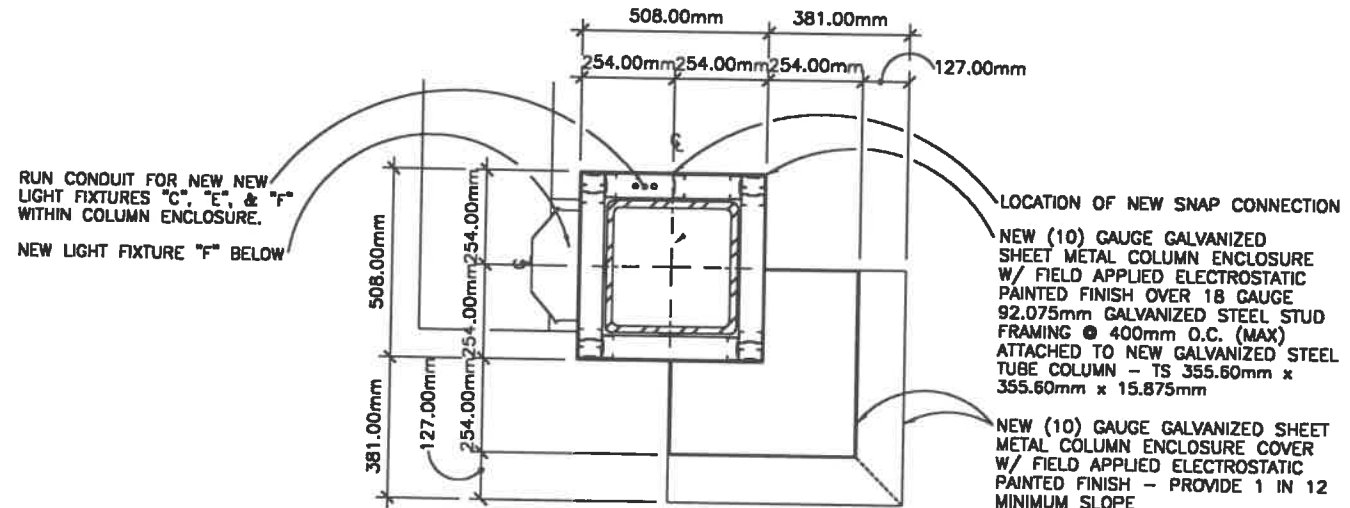
Plan Detail
FULL SCALE (metric)



Plan Detail
SCALE = 1 : 5 (metric)

NEW FENCING NOTES:

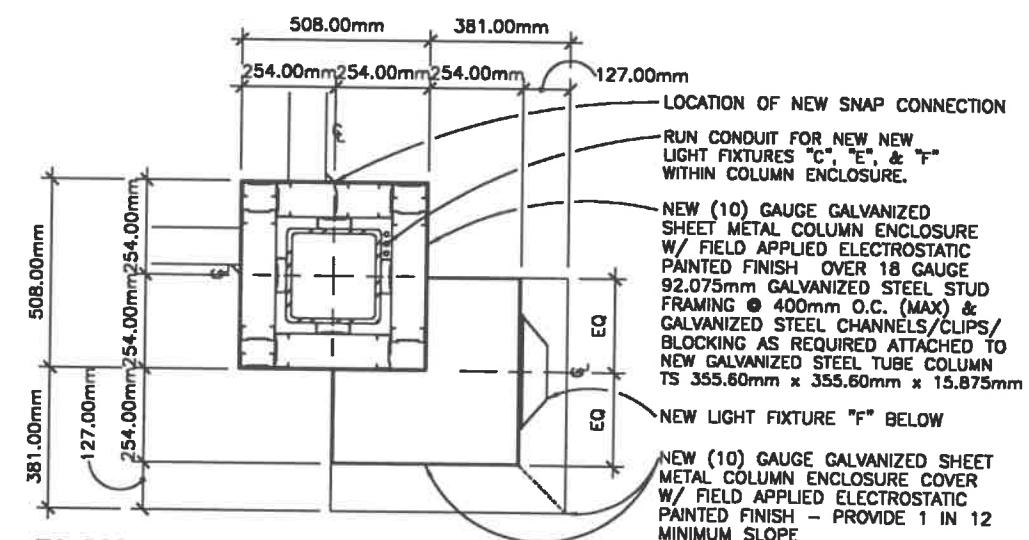
- NEW VANDAL SCREENING / FENCING TO BE WELDED WIRE MESH WITH VERTICAL PICKETS AS DEPICTED PER PLAN AND ELEVATION DETAILS AND WITH HORIZONTALS AND FOLDS AS REQUIRED. PROVIDE FOR STRAIGHT BOTTOM, STRAIGHT TOP, AND "RAILS" AS DEPICTED PER ELEVATION DETAILS.
- NEW WELDED WIRE MESH TO BE (6) GAUGE STEEL WIRE WITH A TENSILE STRENGTH OF 75,000 PSI AND WITH A WELD - SHEAR STRENGTH MEETING OR EXCEEDING ASTM A185
- NEW FENCE / POST ANCHORS TO BE (16) GAUGE COLD - ROLLED STEEL WITH A NOMINAL THICKNESS OF 1.6mm, A STEEL YIELD POINT OF 33,000 PSI (225 MPA) MINIMUM, AND A TENSILE STRENGTH OF 45,000 PSI (307 MPA) MINIMUM.
- POLYESTER POWDER COAT PAINT FINISH TO BE ELECTROSTATICALLY APPLIED WITH A MINIMUM THICKNESS OF (4) MILS (100 MICRONS). COATING TO MEET OR EXCEED THE FOLLOWING MECHANICAL TESTS:
 - ADHESION; ASTM D3359 (CROSS HATCH) METHOD B
 - IMPACT RESISTANCE; ASTM D2794
 COATING TO MEETING OR EXCEED THE FOLLOWING CHEMICAL / DURABILITY TESTS:
 - SALTSPRAM RESISTANCE; ASTM B117
 - HUMIDITY RESISTANCE; ASTM D2247
- PROVIDE SHOP DRAWINGS TO CITY PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.



PLAN DETAIL: NEW COLUMN ENCLOSURE
@ TS 254.00mm x 254.00mm x 12.70mm
 SCALE = 1 : 10 (metric)

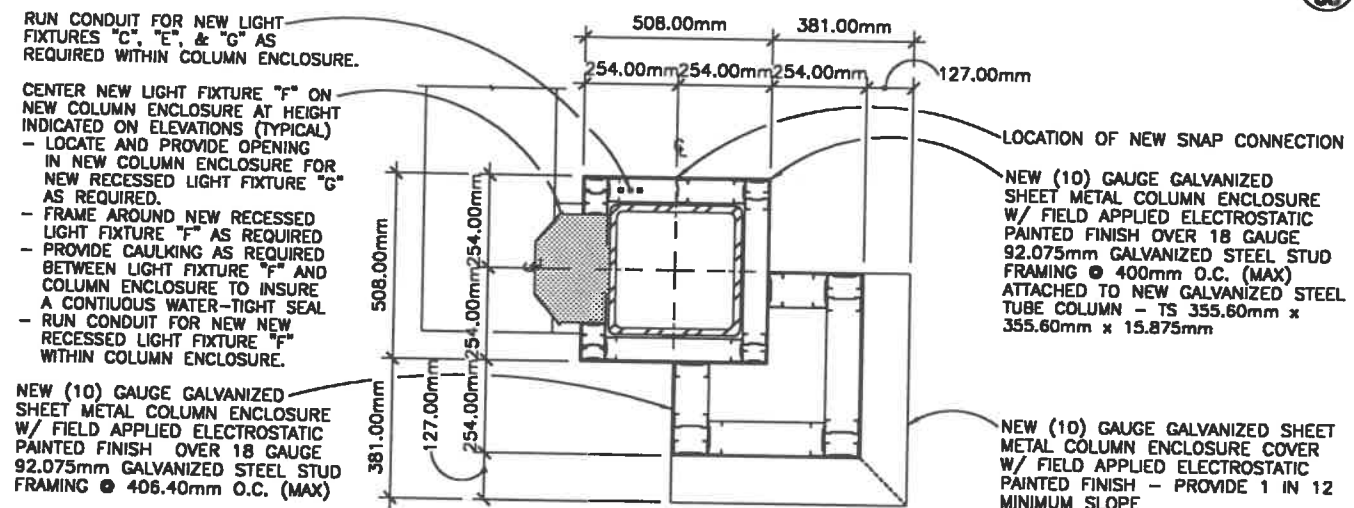
3
63

- NOTES:**
1. NEW GALVANIZED SHEET METAL COLUMN ENCLOSURES SHALL BE ATTACHED TO NEW GALVANIZED STEEL STUDS BY MEANS OF CONCEALED FASTENERS AND/OR INTERIOR WELDS
 2. NEW GALVANIZED SHEET METAL COLUMN ENCLOSURES SHALL BE CLOSED BY MEANS OF SNAP CONNECTION - REFER TO SPECS
 3. PROVIDE SHOP DRAWINGS OF TYPICAL AND NON-TYPICAL STEEL STUD FRAMING, FRAMING CONNECTIONS, AND COLUMN ENCLOSURE SNAP CONNECTIONS TO CITY ENGINEER FOR REVIEW & APPROVAL BY CITY ARCHITECT PRIOR TO FABRICATION AND ERECTION



PLAN DETAIL: NEW COLUMN ENCLOSURE
@ TS 355.60mm x 355.60mm x 15.875mm
 SCALE = 1 : 10 (metric)

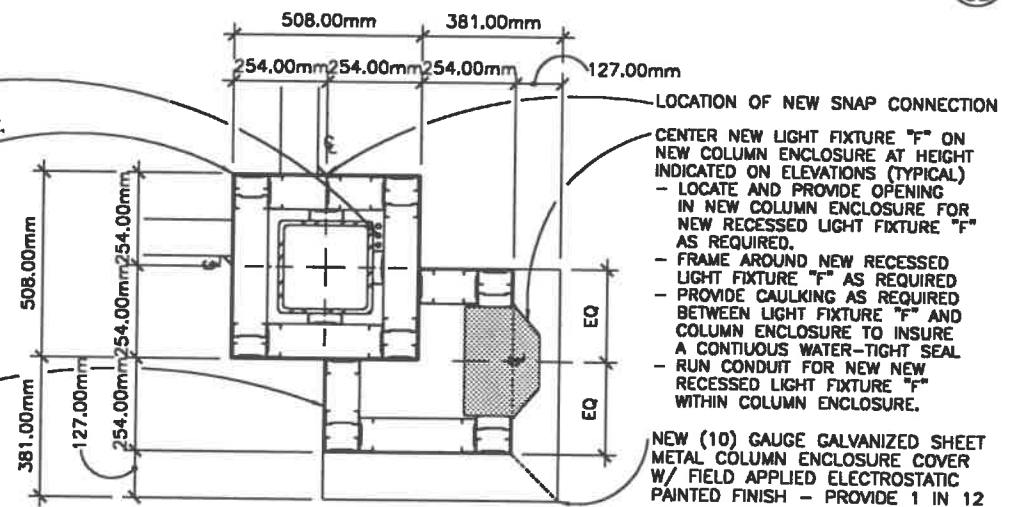
6
63



PLAN DETAIL: NEW COLUMN ENCLOSURE
@ TS 254.00mm x 254.00mm x 12.70mm
 SCALE = 1 : 10 (metric)

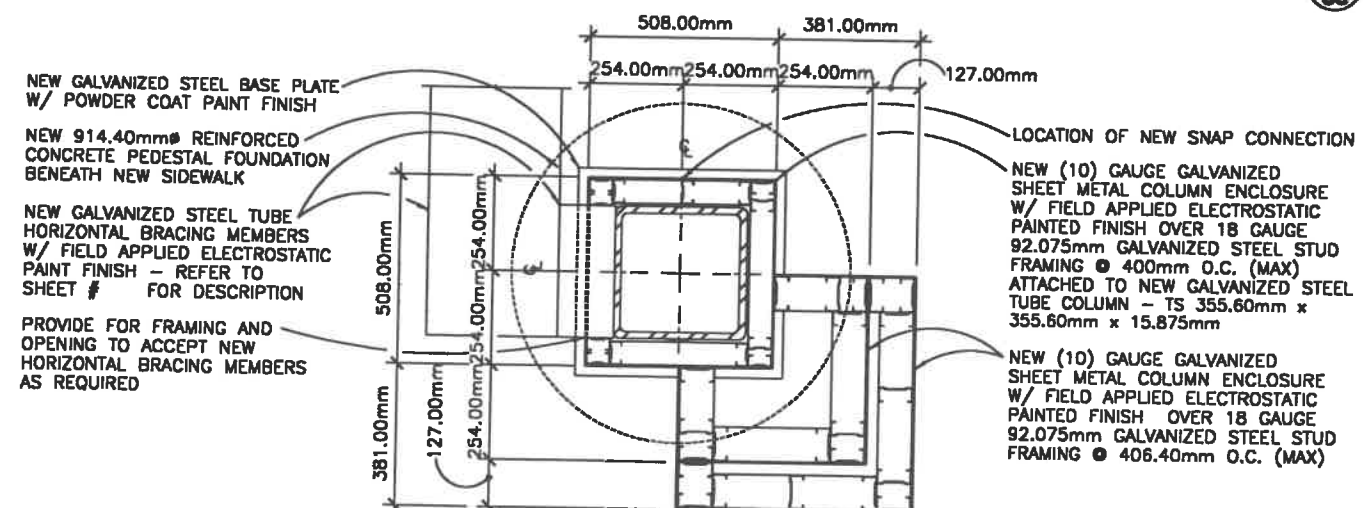
2
63

- RUN CONDUIT FOR NEW LIGHT FIXTURES "C", "E", & "F" AS REQUIRED WITHIN COLUMN ENCLOSURE.
- NEW (10) GAUGE GALVANIZED SHEET METAL COLUMN ENCLOSURE W/ FIELD APPLIED ELECTROSTATIC PAINTED FINISH OVER 18 GAUGE 92.075mm GALVANIZED STEEL STUD FRAMING @ 400mm O.C. (MAX) AND GALVANIZED STEEL CHANNELS/CLIPS/BLOCKING AS REQUIRED ATTACHED TO NEW GALVANIZED STEEL TUBE COLUMN - TS 355.60mm x 355.60mm x 15.875mm
- NEW (10) GAUGE GALVANIZED SHEET METAL COLUMN ENCLOSURE W/ FIELD APPLIED ELECTROSTATIC PAINTED FINISH OVER 18 GAUGE 92.075mm GALVANIZED STEEL STUD FRAMING @ 400mm O.C. (MAX)



PLAN DETAIL: NEW COLUMN ENCLOSURE
@ TS 355.60mm x 355.60mm x 15.875mm
 SCALE = 1 : 10 (metric)

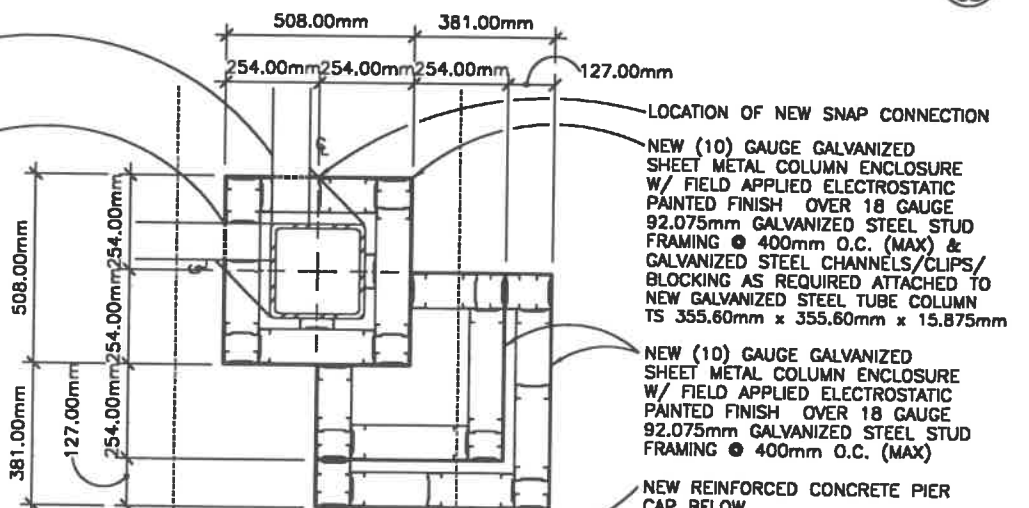
5
63



PLAN DETAIL: NEW COLUMN ENCLOSURE
@ TS 254.00mm x 254.00mm x 12.70mm
 SCALE = 1 : 10 (metric)

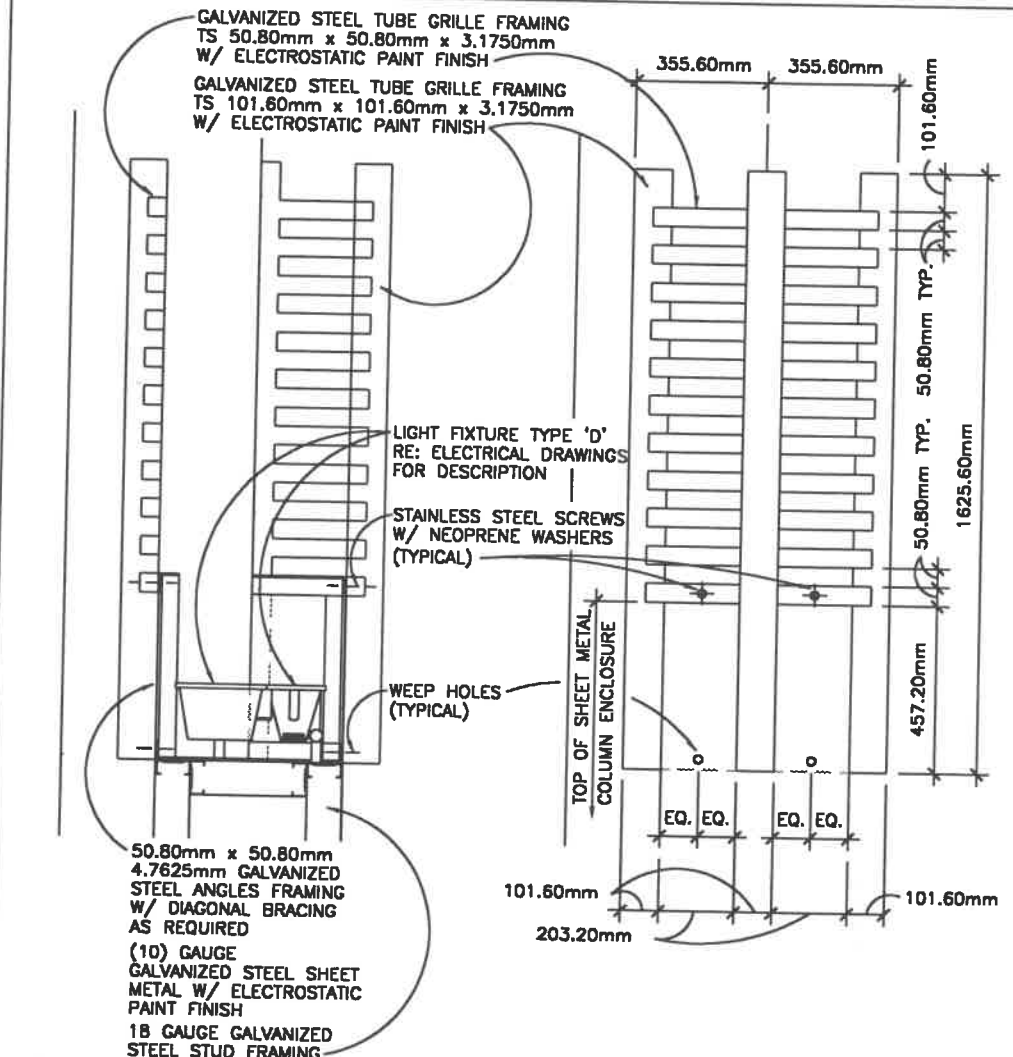
1
63

- NEW GALVANIZED STEEL TUBE HORIZONTAL BRACING MEMBERS W/ FIELD APPLIED ELECTROSTATIC PAINT FINISH - REFER TO SHEET # FOR DESCRIPTION
- PROVIDE FOR FRAMING AND OPENING TO ACCEPT NEW HORIZONTAL BRACING MEMBERS AS REQUIRED



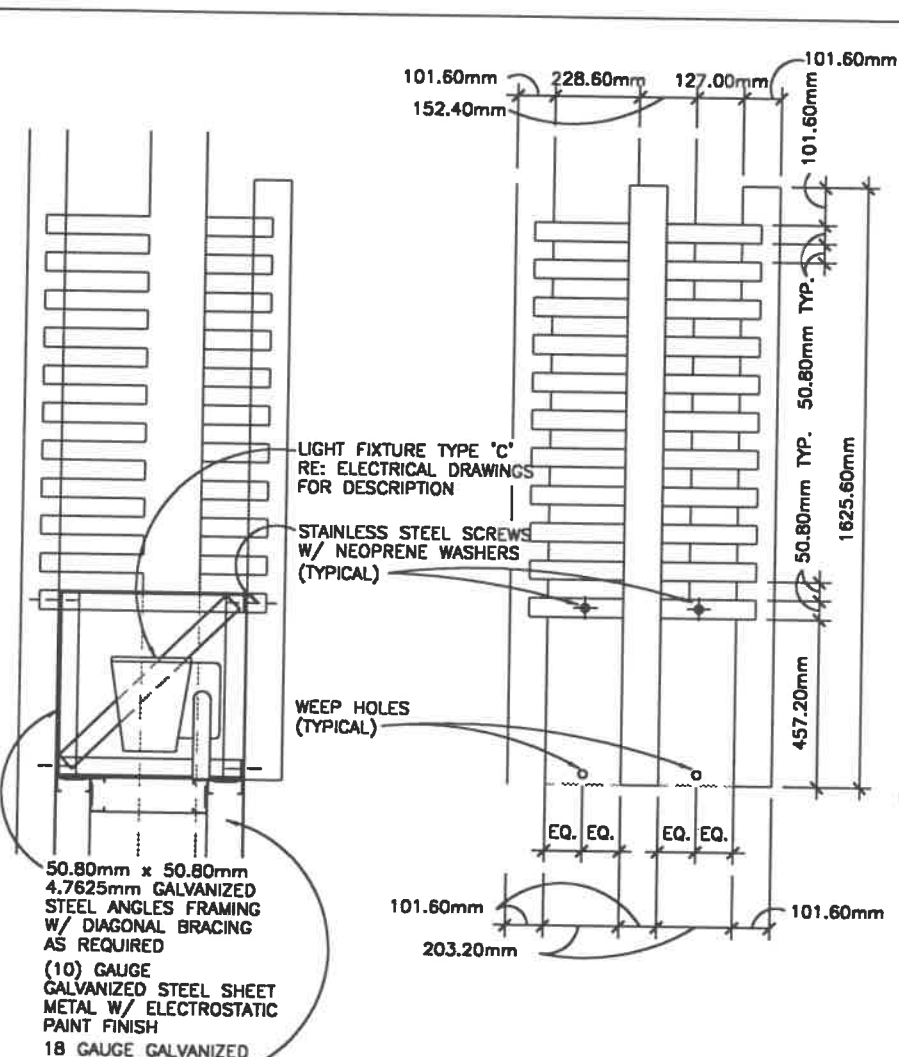
PLAN DETAIL: NEW COLUMN ENCLOSURE
@ TS 355.60mm x 355.60mm x 15.875mm
 SCALE = 1 : 10 (metric)

4
63



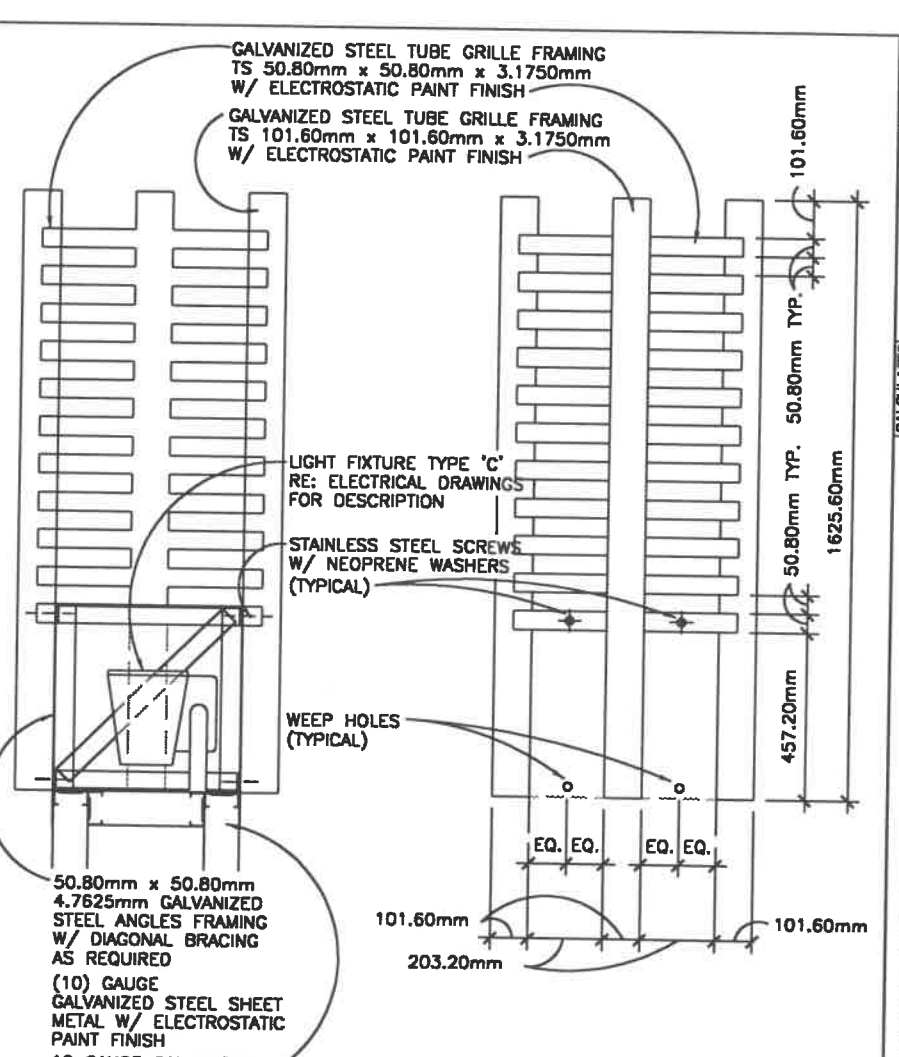
Section Detail - Light Fixture E
SCALE = 1 : 10 (metric)

Elevation - Light Fixture E
SCALE = 1 : 10 (metric)



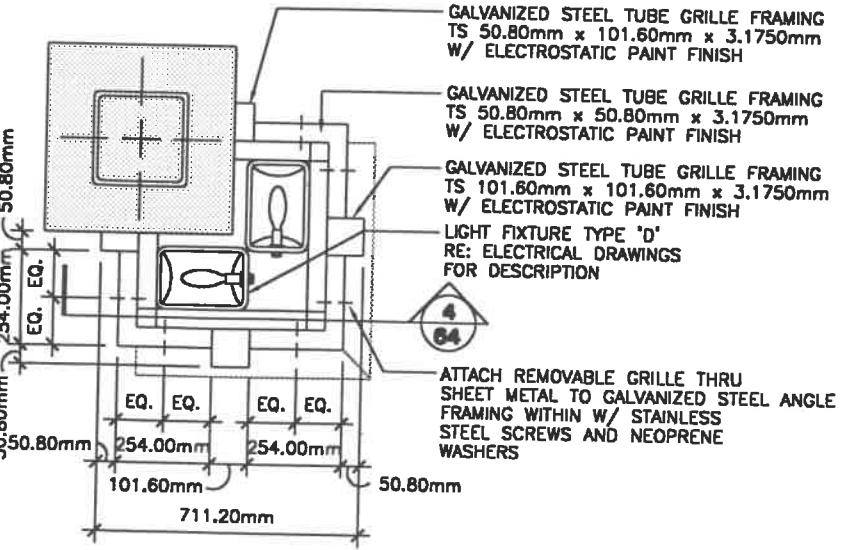
Section Detail - Light Fixture C
SCALE = 1 : 10 (metric)

Elevation - Light Fixture C
SCALE = 1 : 10 (metric)

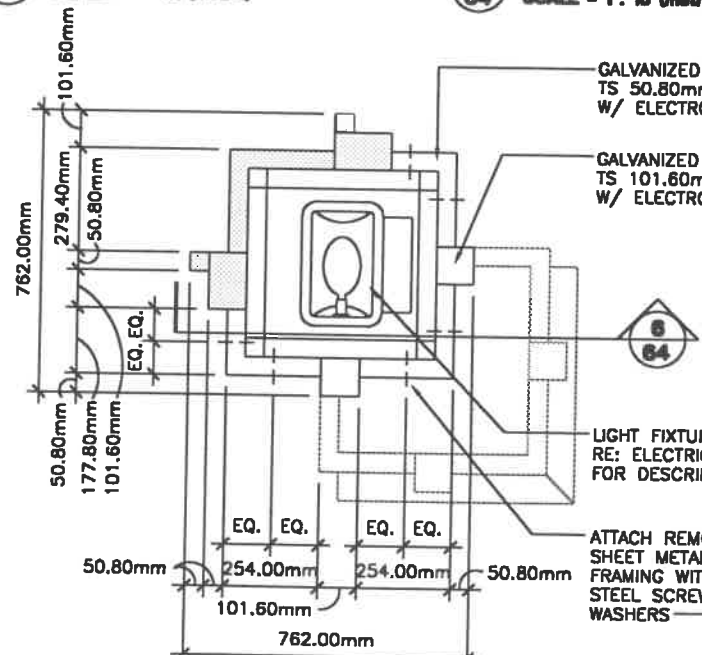


Section Detail - Light Fixture C
SCALE = 1 : 10 (metric)

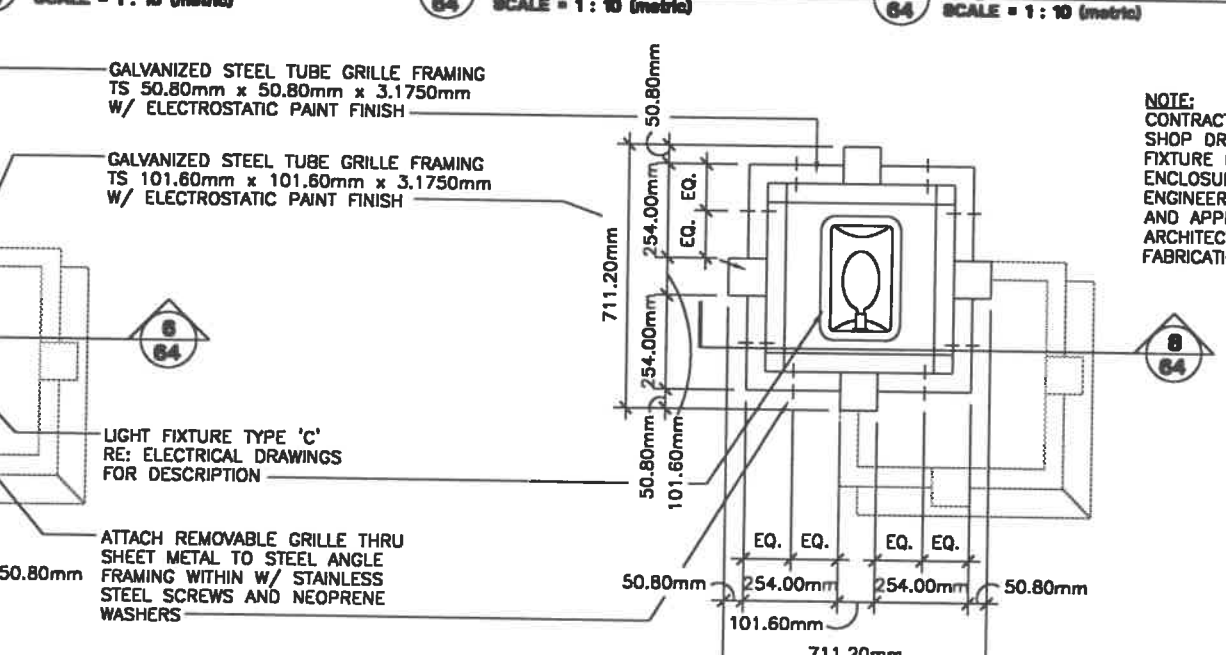
Elevation - Light Fixture C
SCALE = 1 : 10 (metric)



Plan Detail - Light Fixture E
SCALE = 1 : 10 (metric)



Plan Detail - Light Fixture C
SCALE = 1 : 10 (metric)



Plan Detail - Light Fixture C
SCALE = 1 : 10 (metric)

NOTE:
CONTRACTOR TO PROVIDE
SHOP DRAWINGS OF LIGHT
FIXTURE GRILLE
ENCLOSURE TO CITY
ENGINEER FOR REVIEW
AND APPROVAL BY CITY
ARCHITECT PRIOR TO
FABRICATION

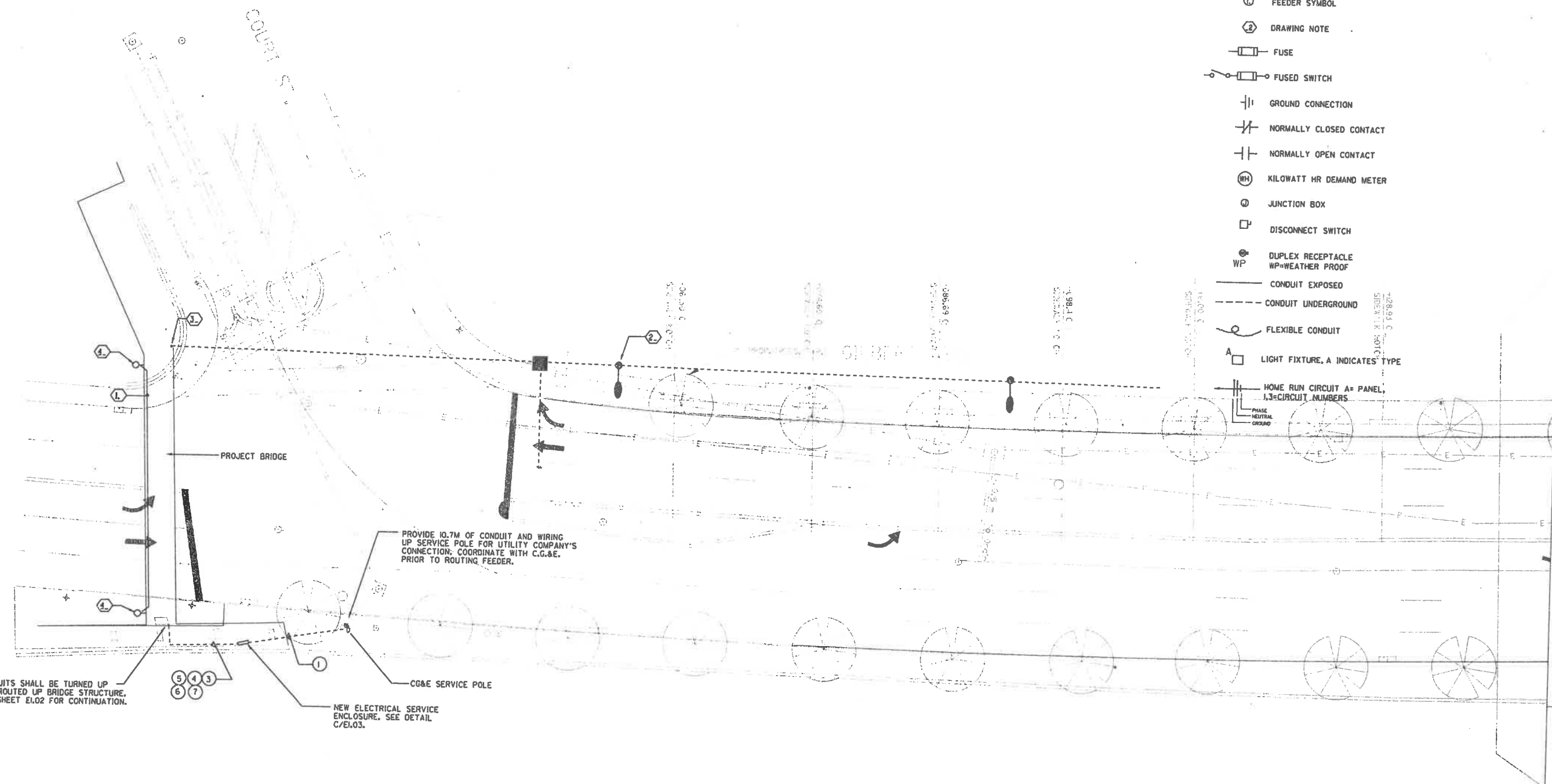


CALCULATED
KJK
CHECKED
JWS

GILBERT AVENUE PEDESTRIAN BRIDGE
DETAIL PLANS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

c:\files\3gilx\gilbert.dwg; view = twlst



ELECTRICAL SITE PLAN

ELECTRICAL SITE PLAN

HAM-DOWNTOWN-GATEWAYS
GILBERT

65
77

LEGEND:

- DETAIL INDICATOR
- FEEDER SYMBOL
- DRAWING NOTE
- FUSE
- FUSED SWITCH
- GROUND CONNECTION
- NORMALLY CLOSED CONTACT
- NORMALLY OPEN CONTACT
- KILOWATT HR DEMAND METER
- JUNCTION BOX
- DISCONNECT SWITCH
- DUPLEX RECEPTACLE
WP=WEATHER PROOF
- CONDUIT EXPOSED
- CONDUIT UNDERGROUND
- FLEXIBLE CONDUIT
- LIGHT FIXTURE, A INDICATES TYPE
- HOME RUN CIRCUIT A= PANEL,
J=JUNCTION BOX

CALCULATED
DAE
CHECKED
JPO

KZF

100' Horizontal
600' Elevation
Cincinnati, Ohio 45202
513 263-0211

1:200 METERS

GENERAL NOTES :

- A. ALL UNDERGROUND CONDUITS ARE P.V.C. SCHEDULE 40 ENCASED IN 76.2MM OF CONCRETE. ALL EXPOSED CONDUIT SHALL BE GALVANIZED RIGID STEEL WITH WEATHER TIGHT FITTINGS.
- B. SEE DRAWING ELO2 FOR BRIDGE LIGHTING.
- C. SEE DRAWING ELO3 FOR ELECTRICAL SERVICE DETAILS AND CONTROLS.
- D. COORDINATE UNDERGROUND UTILITIES WITH OTHER CONTRACTORS, CG&E, AND THE CITY OF CINCINNATI TRAFFIC DIVISION.
- E. THE EXISTING STREET LIGHTING SHALL BE MAINTAINED AND KEPT OPERATIONAL.

DRAWING NOTES :

1. EXISTING CIRCUITING FEEDING BRIDGE POLE LIGHTS SHALL BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO NEXT ACTIVE LIGHT ON THAT CIRCUIT.
2. EXISTING STREET LIGHT (TYPICAL)
3. CONTRACTOR SHALL ROUTE EXISTING PHOTO CONTROLLED STREET LIGHT CIRCUIT TO NEW BRIDGE STEP LIGHT FIXTURES, (TYPE "F"), SEE SHEET ELO2 FOR FIXTURE LOCATION.
4. EXISTING POLE LIGHT MOUNTED ON BRIDGE.

CONDUITS SHALL BE TURNED UP AND ROUTED UP BRIDGE STRUCTURE. SEE SHEET ELO2 FOR CONTINUATION.

PROVIDE 10.7M OF CONDUIT AND WIRING UP SERVICE POLE FOR UTILITY COMPANY'S CONNECTION. COORDINATE WITH C.G.&E. PRIOR TO ROUTING FEEDER.

NEW ELECTRICAL SERVICE ENCLOSURE. SEE DETAIL C/EI.03.

CG&E SERVICE POLE

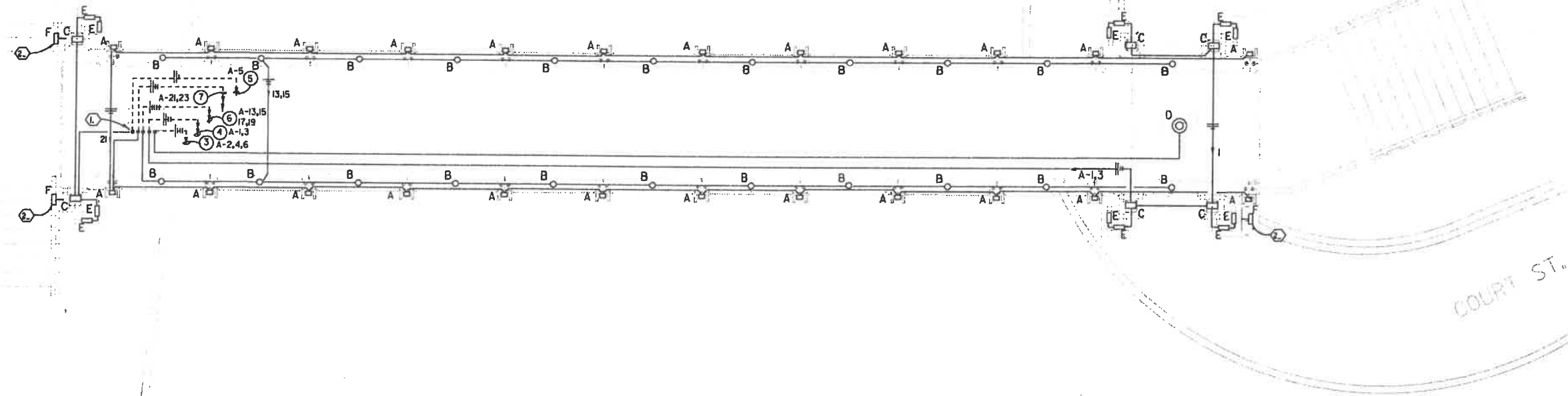
PROJECT BRIDGE

GENERAL NOTES:

- A. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 ENCASED IN 76.2MM OF CONCRETE.
- B. REFER TO DRAWING EI.03 FOR DETAILS, SCHEDULES AND DIAGRAMS.
- C. ALL WIRE SHALL BE TYPE THW, THWN AS REQUIRED BY CODE FOR APPLICATION.
- D. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRING, LIGHTING FIXTURES AND RELATED ELECTRICAL COMPONENTS.
- E. CONDUIT SHALL BE ROUTED UNDER BRIDGE STRUCTURE.
- F. GENERAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR ON INSTALLATION OF PVC CONDUIT.
- G. COORDINATE UNDERGROUND UTILITIES WITH OTHER CONTRACTORS, C.G. & E. AND THE CITY OF CINCINNATI TRAFFIC DIVISION.
- H. REFER TO ARCHITECTURAL DETAILS AND ELEVATIONS FOR LIGHTING FIXTURE MOUNTING DETAILS AND LOCATIONS.

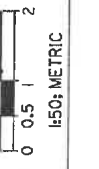
DRAWING NOTES:

- ① CONDUIT ROUTED DOWN CONCRETE COLUMNS. SEE CONTINUATION ON SHEET EI.01.
- ② LIGHT FIXTURE SHALL BE MOUNTED 10'-0" ON SQUARE COLUMN. CONTRACTOR SHALL CONNECT FIXTURE TO EXISTING PHOTOCELL CONTROLLED STREET LIGHT CIRCUIT. CONTRACTOR SHALL VERIFY THAT THE NEW LOAD ADD TO THE EXISTING CIRCUIT DOES NOT EXCEED THE OVERCURRENT PROTECTION DEVICE FOR THAT ALLOWABLE BY CODE. SEE SHEET EI.01 FOR STREET LIGHT CIRCUIT.



NEW BRIDGE PLAN - LIGHTING

SCALE = 1:50



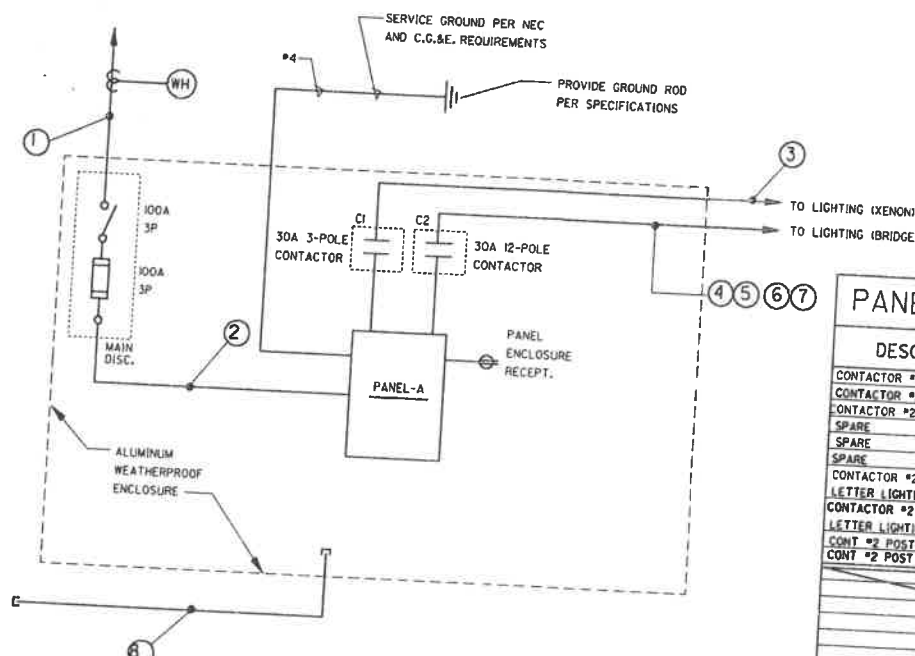
CALCULATED
DAE
CHECKED
JPO

CF Incorporated
600 East Park Drive
Cincinnati, Ohio 45202
513-835-4071

KZF

GILBERT AVENUE PEDESTRIAN BRIDGE
PLANS - NEW BRIDGE IMPROVEMENTS

HAM - DOWNTOWN - GATEWAYS
GILBERT AVENUE

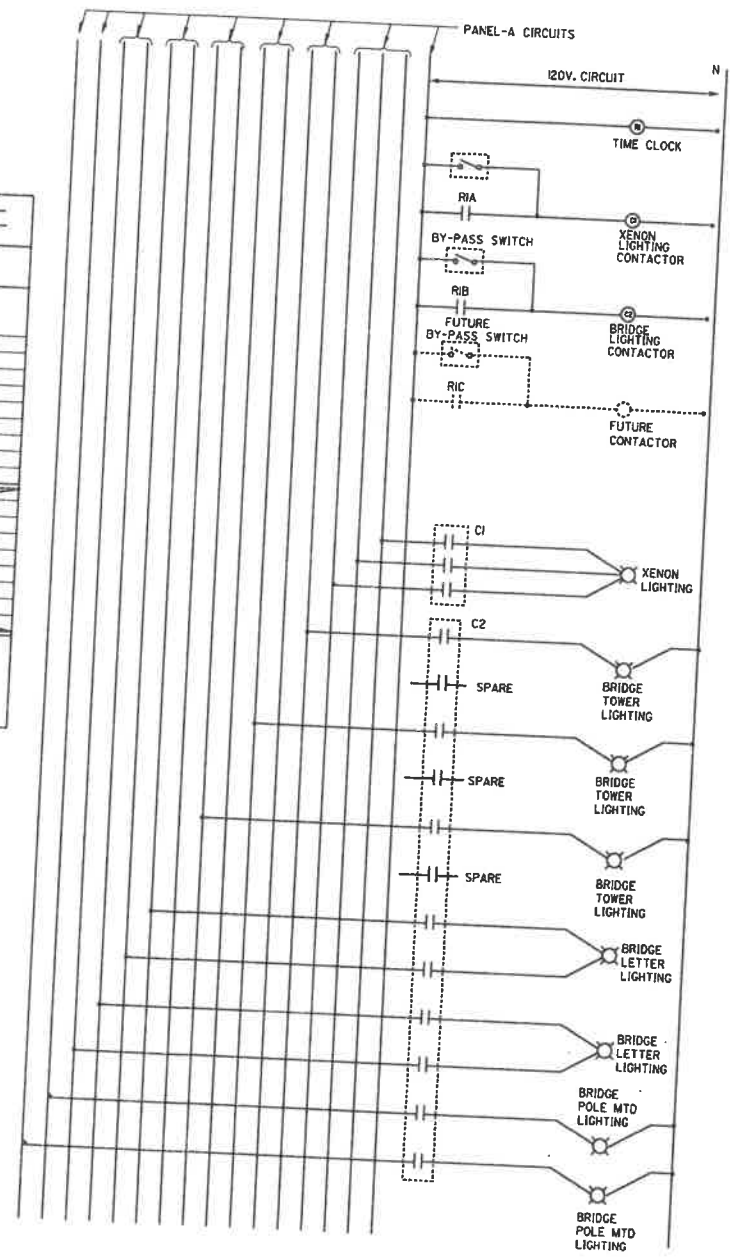


SINGLE LINE POWER DIAGRAM
N.T.S.

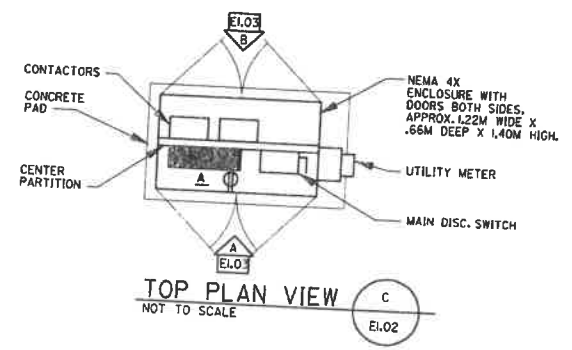
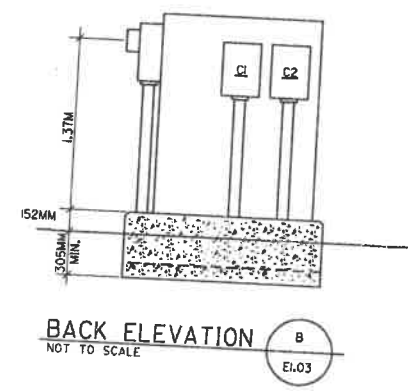
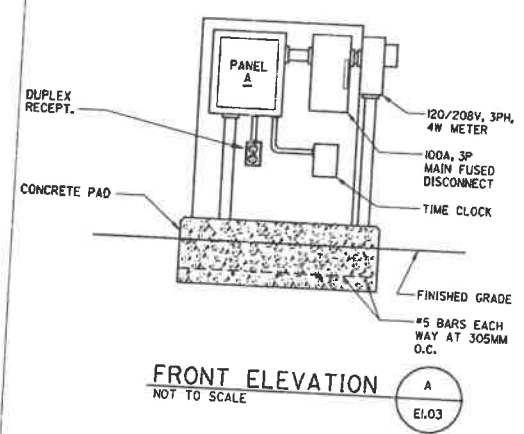
DESCRIPTION		WATTAGE			AMPS			OCT. NO.			DESCRIPTION			
A	B	C	A	B	C	1	2	3	4	5	6	A	B	C
CONTACTOR #2 TOWER LIGHTING						20/1	1					CONTACTOR #1		
CONTACTOR #2 TOWER LIGHTING	1250						2	30/3	2500			XENON LIGHT		
CONTACTOR #2 TOWER LIGHTING							3					DUPLEX RECEPTACLE		
SPARE		1250					4					TIME CLOCK, CONTACTORS		
SPARE							5			180		SPACE		
CONTACTOR #2							6							
LETTER LIGHTING	1203					20/2	7							
CONTACTOR #2		1203					8							
LETTER LIGHTING	1203					20/2	9							
CONT #2 POST LIGHTING							10							
CONT #2 POST LIGHTING	963					20/1	11							
						20/1	12							
							13							
							14							
							15							
							16							
							17							
							18							
							19							
							20							
							21							
							22							
							23							
							24							
							25							
							26							
							27							
							28							
							29							
							30							
							31							
							32							
							33							
							34							
							35							
							36							
							37							
							38							
							39							
							40							
							41							
							42							

TOTAL CONNECTED LOAD = 18.2 KW, 51 A.

NOTES:
1. PROVIDE ENGRAVED NAMEPLATE WITH PANEL NAME, VOLTAGE, PHASE, AND WIRE.
2. PROVIDE SEPARATE EQUIPMENT GROUND BUS AND NEUTRAL BUS.
3. ALL CIRCUIT BREAKERS ARE TO BE GFCI TYPE.



CONTROL DIAGRAM



NO.	MANUFACTURER	CATALOG NUMBER	LAMPS	MTG.	REMARKS
A	LUMINAIRE LIGHTING CORP. OR EQUAL	DMLS12-70HPS OPAL 120V	(1) LU70/MED	SURFACE	70W HPS SURFACE MOUNTED FIXTURE WITH WEATHER RESISTANT. BAKED BLACK ENAMEL FRAME, WHITE OPAL LENS.
B	HOLOPHANE OR EQUAL	MW-175MH-20-X-F2-MWPA-208V	(1) M175/U	SURFACE	175W ALUMINUM WEATHERPROOF METAL HALIDE FIXTURE WITH DROPPED POLYCARBONATE REFRACTOR
C	HUBBELL OR EQUAL	MMS-0400H-268 120V	(1) M400/U	SURFACE	400W METAL HALIDE MINI FLOODLIGHT WITH IMPACT RESIST LENS. HOUSING SHALL BE DIE-CAST ALUMINUM
D	THE CARLISLE AND FINCH CO OR EQUAL	THE GIANTBEAM 208V	(1) XBD 7000 W/HPS OFR	SURFACE	7000 WATT XENON SEARCH LIGHT 208V
E	EXCELINE OR EQUAL	XLPSONXL-1 120V	(1) LU50/MED	SURFACE	50W HPS MINI FLOODLIGHT WITH IMPACT RESISTANT LENS. HOUSING SHALL BE DIE-CAST ALUMINUM
F	MOLDCAST OR EQUAL	MDL-1-XX-10-24	(1) LU100/MED	SURFACE	100W HPS FLOODLIGHT WITH IMPACT RESISTANT LENS. HOUSING SHALL BE DIE-CAST ALUMINUM

FEEDER NUMBER	WIRE SIZE	CONDUIT SIZE	FROM	TO	REMARKS
1	4-#2	50.8MM	CODE SERV. POLE	SERVICE DISC.	C.G.&E. TO MAKE FINAL CONNECTIONS ON POLE
2	4-#2 & 1-#8 GND	31.1MM	SERVICE DISC.	PANEL A	
3	3-#8 & 1#10 GND	19.05MM	PANEL A	XENON LTG.	
4	4-#10 & 1#10 GND	19.05MM	PANEL A	BRIDGE LTG.	
5	2-#10 & 1#10 GND	19.05MM	PANEL A	BRIDGE LTG.	
6	4-#10 & 1#10 GND	19.05MM	PANEL A	BRIDGE LTG.	
7	3-#10 & 1#10 GND	19.05MM	PANEL A	BRIDGE LTG.	
8	EMPTY	50.8MM	STUB OUT	SERVICE ENCLOSURE	FUTURE CONTROL
9					
10					