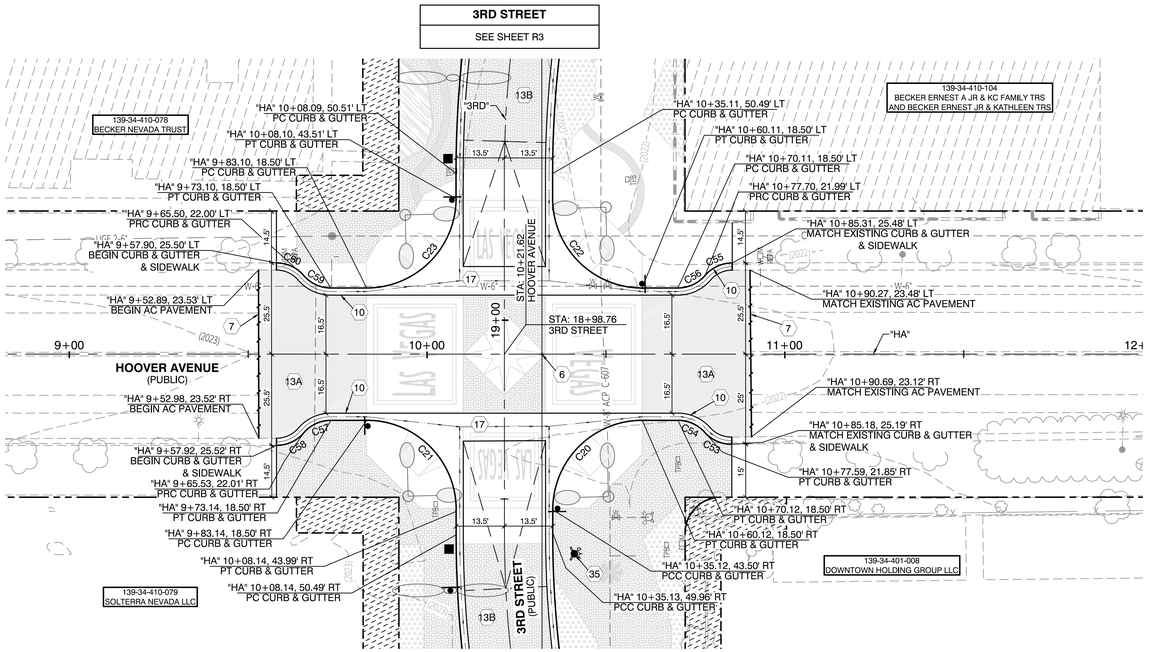
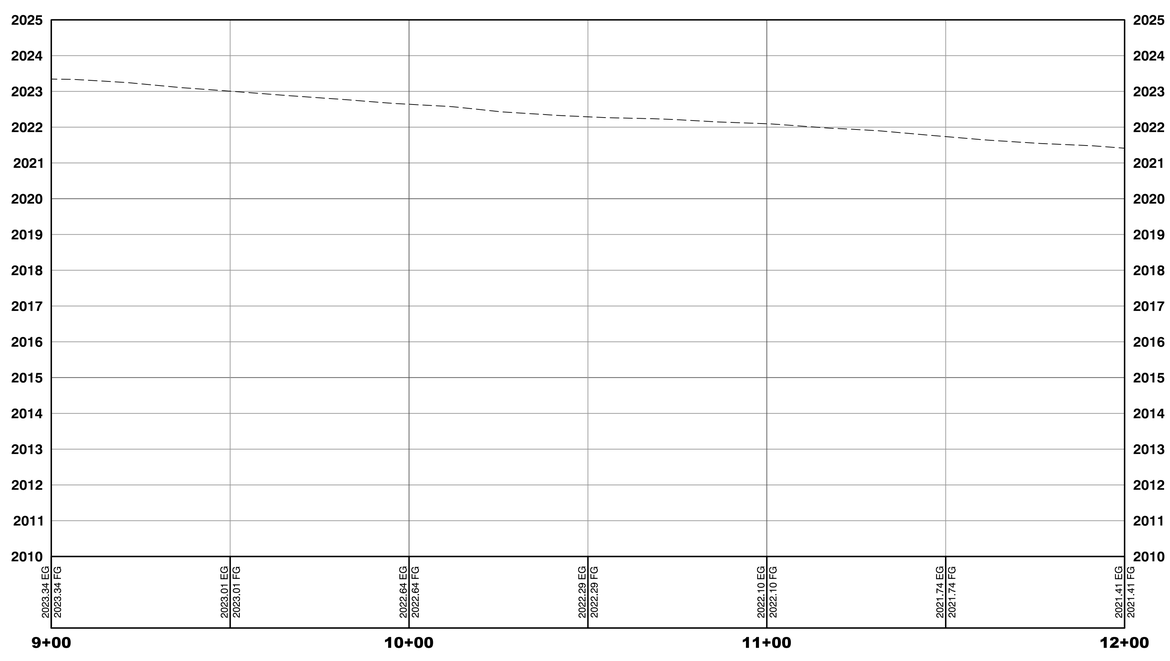


HOOVER AVENUE



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- DRIVEWAY LIMITS
- PROPOSED AEP
- PAVERS
- SPECIALTY CONCRETE
- PLANTING HATCH
- TURF HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- WM EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING UTILITY BOX
- OHE EXISTING OVERHEAD ELECTRIC
- STL EXISTING STREETLIGHT CONDUIT
- X EXISTING FENCE
- EXISTING CURB
- EXISTING SIDEWALK
- RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED LIP
- PROPOSED FLOWLINE

ROADWAY & PAVING NOTES

- (6) SURVEY MONUMENT, P.I.P.
- (7) SAWCUT AND MATCH EX. AC.
- (10) INSTALL 24" "R" TYPE CURB & GUTTER PER CCUSD NO. 217 S2.
- (13A) INSTALL 5" AC PAVEMENT OVER 14" TYPE II AGGREGATE BASE OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER. SEE TYPICAL SECTIONS FOR DETAILS.
- (13B) INSTALL PAVERS OVER 14" TYPE II AGGREGATE BASE OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER. SEE HARDSCAPE PLANS FOR DETAILS.
- (17) INSTALL 8' CROSS GUTTER PER USD NO. 228.
- (35) RELOCATED FIRE HYDRANT. SEE WATER RELOCATION PLANS.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C20	25.00'	90°00'34"	39.27'	25.00'
C21	25.01'	91°06'02"	39.76'	25.49'
C22	25.00'	89°59'26"	39.27'	25.00'
C23	25.00'	90°01'33"	39.28'	25.01'
C53	10.00'	49°01'17"	8.56'	4.56'
C54	10.00'	48°16'57"	8.43'	4.48'
C55	10.00'	49°28'31"	8.64'	4.61'
C56	10.00'	49°23'35"	8.62'	4.60'
C57	10.00'	49°31'24"	8.64'	4.61'
C58	10.00'	49°31'24"	8.64'	4.61'
C59	10.00'	49°26'42"	8.63'	4.60'
C60	10.00'	49°26'42"	8.63'	4.60'

REFERENCE NOTES

1. SEE HARDSCAPE PLANS FOR PLANTER BOX LOCATIONS.

2. REFER TO STREET LIGHTING PLANS FOR NEW STREET LIGHT LOCATIONS.

LAS VEGAS VALLEY WATER DISTRICT REMOVAL NOTE

RELOCATED SERVICES WITH LESS THAN 1" LATERALS MUST HAVE A MINIMUM OF 1" LATERALS.

LAS VEGAS VALLEY WATER DISTRICT APPROVAL

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: PROJECT:####
LVVWD APPROVED FIRE FLOW #### GPM AT 20 P.S.I. RESIDUAL

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY.
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NO.	DATE	REVISIONS

PREPARED BY
LVTN
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LAS VEGAS, NEVADA 89146-5148
PH: (702) 362-5599
FAX (702) 362-2597 WEB SITE
WWW.VTNNV.COM

DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

H# 54616
BID# ----
DATE: --
SUBMITTAL STAGE: 30% Submittal
DESIGNED BY: MD
DRAWN BY: ND
CHECKED BY: LL

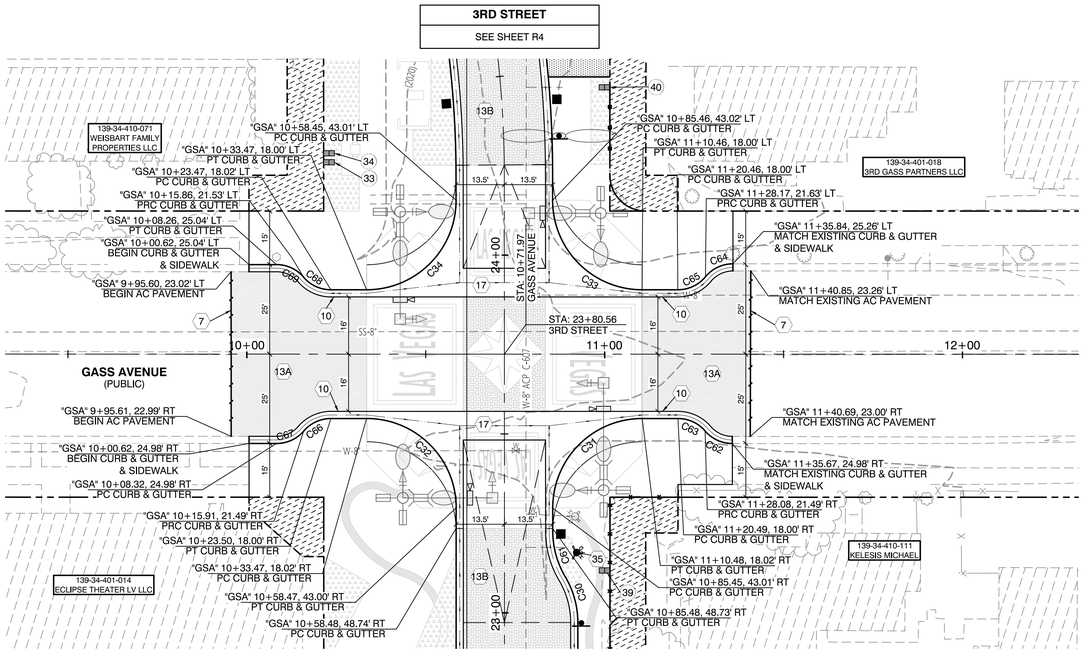
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET
ROADWAY PLAN & PROFILE

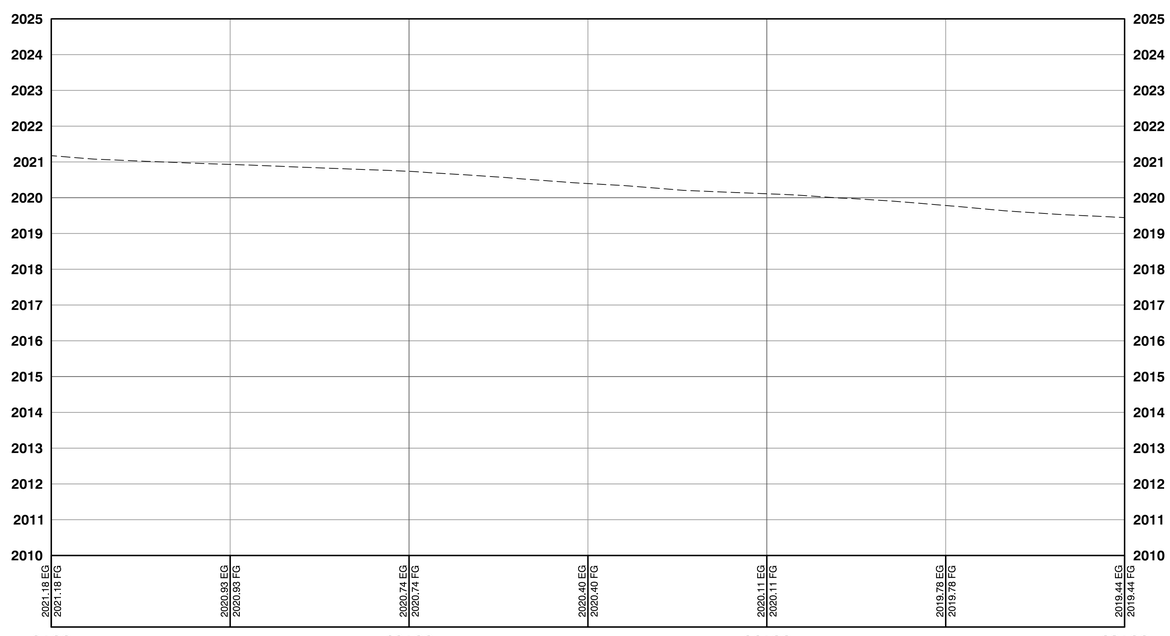
"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER
STATE OF NEVADA
ROBERT HOSKIN III
Exp. 06/30/17
CIVIL
No. 10112

SHEET
R10
22 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(05) ROADWAY PLANS\7350 3RD STREET ROADWAY SIDE STREETS-HOOVER.DWG



GASS AVENUE



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- DRIVEWAY LIMITS
- PROPOSED AEP
- PAVERS
- SPECIALTY CONCRETE
- PLANTING HATCH
- TURF HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- W□M EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING UTILITY BOX
- OHE EXISTING OVERHEAD ELECTRIC
- STL EXISTING STREETLIGHT CONDUIT
- X EXISTING FENCE
- EXISTING CURB
- EXISTING SIDEWALK
- RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
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- PROPOSED LIP
- PROPOSED FLOWLINE

ROADWAY & PAVING NOTES

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- (17) INSTALL 8' CROSS GUTTER PER USD NO. 228.
- (35) RELOCATED FIRE HYDRANT. SEE WATER RELOCATION PLANS.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C30	25.00'	30°41'00"	13.39'	6.86'
C31	25.00'	90°01'00"	39.28'	25.01'
C32	25.00'	89°58'16"	39.26'	24.99'
C33	25.00'	89°59'00"	39.26'	24.99'
C34	25.00'	90°01'44"	39.28'	25.01'
C61	25.00'	30°41'00"	13.39'	6.86'
C62	10.00'	49°23'24"	8.62'	4.60'
C63	10.00'	49°23'49"	8.62'	4.60'
C64	10.00'	50°19'26"	8.78'	4.70'
C65	10.00'	50°25'06"	8.80'	4.71'
C66	10.00'	49°22'56"	8.62'	4.60'
C67	10.00'	49°22'36"	8.62'	4.60'
C68	10.00'	49°32'04"	8.65'	4.61'
C69	10.00'	49°31'44"	8.64'	4.61'

WATER SERVICE INFORMATION

(33)	ACCT #149405, MTR #957286, 5/8" MTR W/ 1" DCVA
(34)	ACCT #149406, MTR #903002
(39)	ACCT #3833, MTR #615774, 5/8" MTR W/ 1" DCVA
(40)	ACCT #3583, MTR #701176, 5/8" MTR W/ 1" DCVA

REFERENCE NOTES

1. SEE HARDSCAPE PLANS FOR PLANTER BOX LOCATIONS.

2. REFER TO STREET LIGHTING PLANS FOR NEW STREET LIGHT LOCATIONS.

LAS VEGAS VALLEY WATER DISTRICT REMOVAL NOTE

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LAS VEGAS VALLEY WATER DISTRICT APPROVAL

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: PROJECT:####
LVVWD APPROVED FIRE FLOW #### GPM AT 20 P.S.I. RESIDUAL

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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

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1-702-227-2929

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Call 811

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

NO.	DATE	REVISIONS

PREPARED BY
VTN
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH: (702) 362-8996
FAX (702) 362-2597 WEB SITE
WWW.VTNNV.COM

DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

H# 54616
BID# ----
DATE: --
DESIGNED BY: MD
DRAWN BY: ND
CHECKED BY: LL
SUBMITTAL STAGE: 30% Submittal

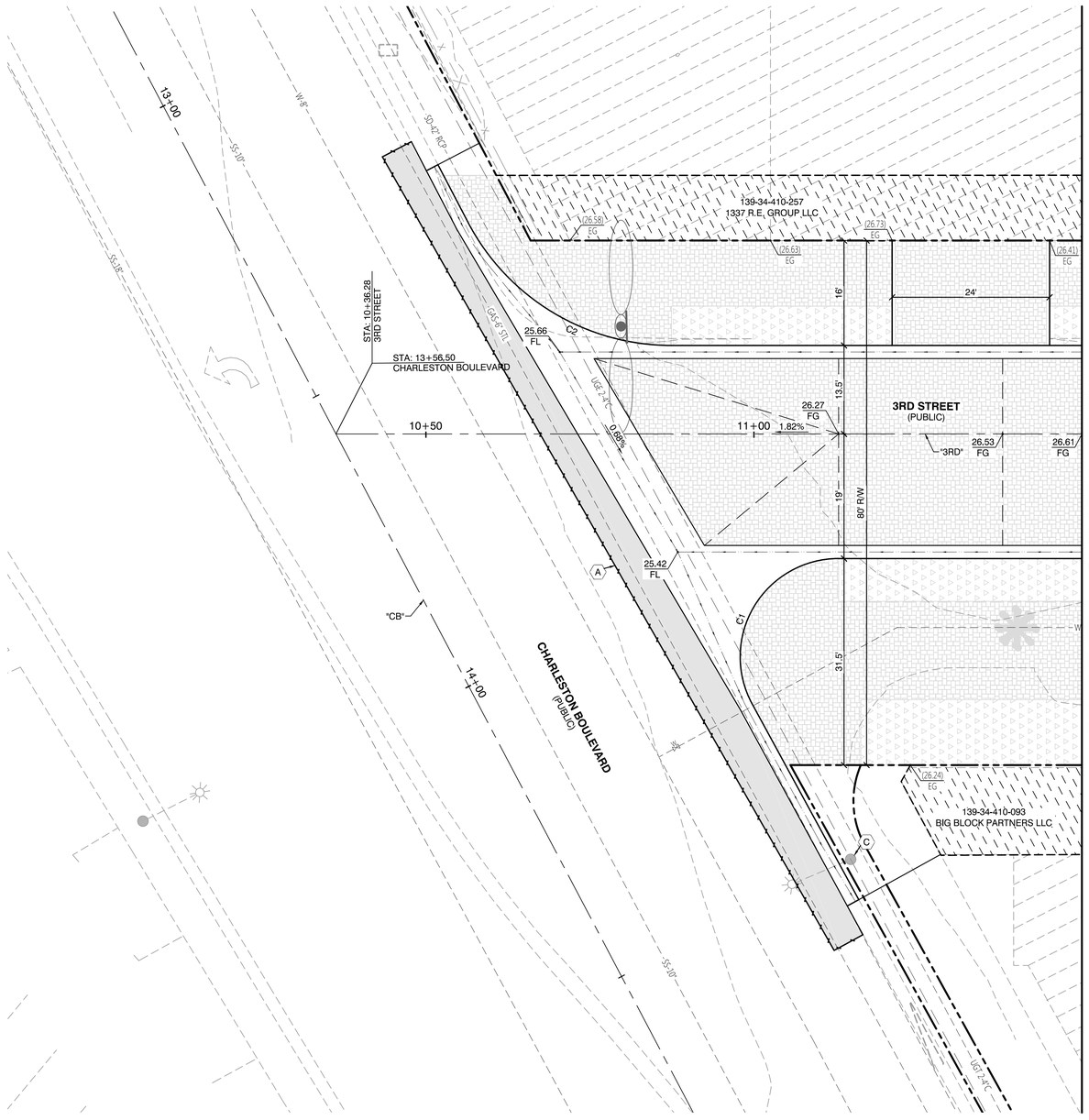
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

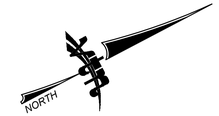
SHEET
ROADWAY PLAN & PROFILE

"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER
ROBERTO HOZZA III
Exp. 06/30/17
CIVIL
No. 10112
STATE OF NEVADA

SHEET
R11
23 OF 61
DRAWING NO.
--

H:\7350-THIRD STREET\SHEET SET\PHASE 2\(05) ROADWAY PLANS\7350 3RD STREET ROADWAY SIDE STREETS-GASS.DWG
12/21/16





GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- PAVEMENT LIMITS
- PROPOSED AEP
- PAVERS
- PLANTING HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
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- EXISTING UTILITY POLE
- EXISTING WATER VALVE
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- EXISTING UTILITY BOX
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CONSTRUCTION NOTES

- (A) SAWCUT AND MATCH EXISTING PAVEMENT
- (B) EXISTING POWER POLE, P.I.P.
- (C) EXISTING STREETLIGHT, P.I.P.
- (D) EXISTING SIGN, P.I.P.
- (E) EXISTING UTILITY. ADJUST TO GRADE. SEE ROADWAY PLANS.
- (F) EXISTING UTILITY, P.I.P.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C1	15.00'	118°33'50"	31.04'	25.24'
C2	35.00'	62°14'41"	38.02'	21.13'

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

PROJECT BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (2008 ADJUSTMENT)

CITY OF LAS VEGAS BENCHMARK: 1LV01-34NW6
NAVD88 ELEVATION: 617.329 METERS (2025.353 FEET)

3" NDOT BRASS CAP IN TOP OF CURB AT SE CORNER OF MAIN AND BRIDGER.

BASIS OF BEARINGS AND COORDINATES

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORGIN):36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN:114°58'00"W
NORTHING AT GRID ORIGIN: 200,000.000 M (656,166.6667 FTUS)
EASTING AT CENTRAL MERIDIAN: 100,000.000 M (328,083.3333 FTUS)
SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

NOTES:
1. ALL DISTANCES AND BEARINGS SHOWN HERON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.

2. GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

AVOID HITTING OVERHEAD POWER LINES (IT'S COST) CALL BEFORE YOU DO OVERHEAD
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FAST
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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

NO.	DATE	REVISIONS

PREPARED BY
VTN
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH: (702) 362-2599
FAX: (702) 362-2597 WEB SITE
WWW.VTNNV.COM

DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

H# 54616 | BID# ---- | DESIGNED BY: MD | DATE: -- | DRAWN BY: ND | SUBMITTAL STAGE: **30% Submittal** | CHECKED BY: LL

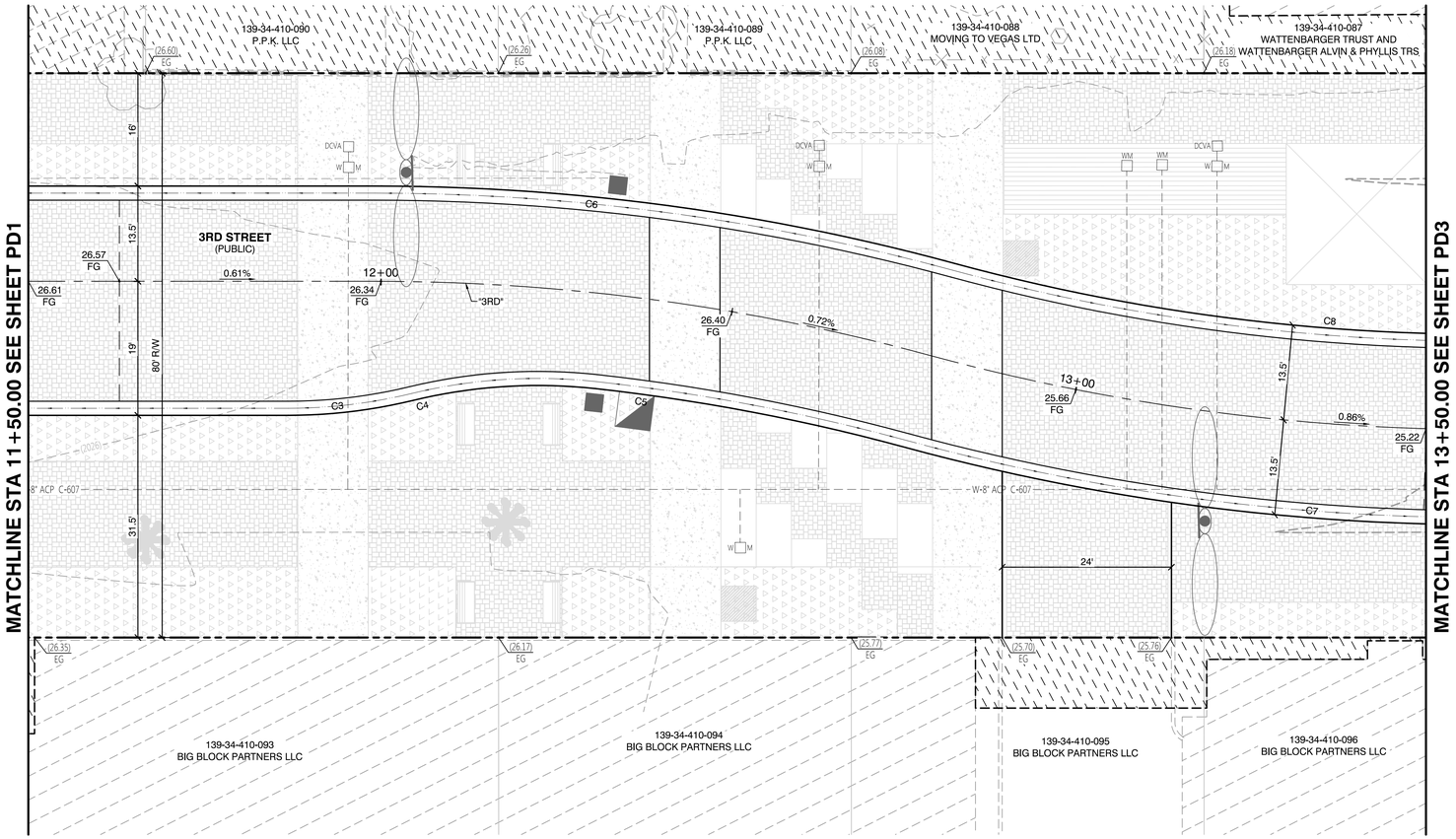
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET **PROPERTY DETAILS**

"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER
ROBERT J. HOSKA III
EXP. 06/30/17
CIVIL
No. 10112
STATE OF NEVADA

SHEET
PD1
24 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG



GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

NORTH

LEGEND

- PROPOSED AEP
- PAVERS
- PAVERS (2)
- SPECIALTY CONCRETE
- PLANTING HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
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CONSTRUCTION NOTES

- (A) SAWCUT AND MATCH EXISTING PAVEMENT
- (B) EXISTING POWER POLE, P.I.P.
- (C) EXISTING STREETLIGHT, P.I.P.
- (D) EXISTING SIGN, P.I.P.
- (E) EXISTING UTILITY. ADJUST TO GRADE. SEE ROADWAY PLANS.
- (F) EXISTING UTILITY, P.I.P.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C3	75.00'	13°38'42"	17.86'	8.97'
C4	75.00'	19°55'05"	26.07'	13.17'
C5	286.50'	8°55'50"	44.66'	22.37'
C6	313.50'	15°12'13"	83.19'	41.84'
C7	313.50'	15°12'13"	83.19'	41.84'
C8	286.50'	15°12'13"	76.02'	38.24'

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

PROJECT BENCHMARK

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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

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PREPARED FOR
CITY OF LAS VEGAS

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SUBMITTAL STAGE: **30% Submittal**

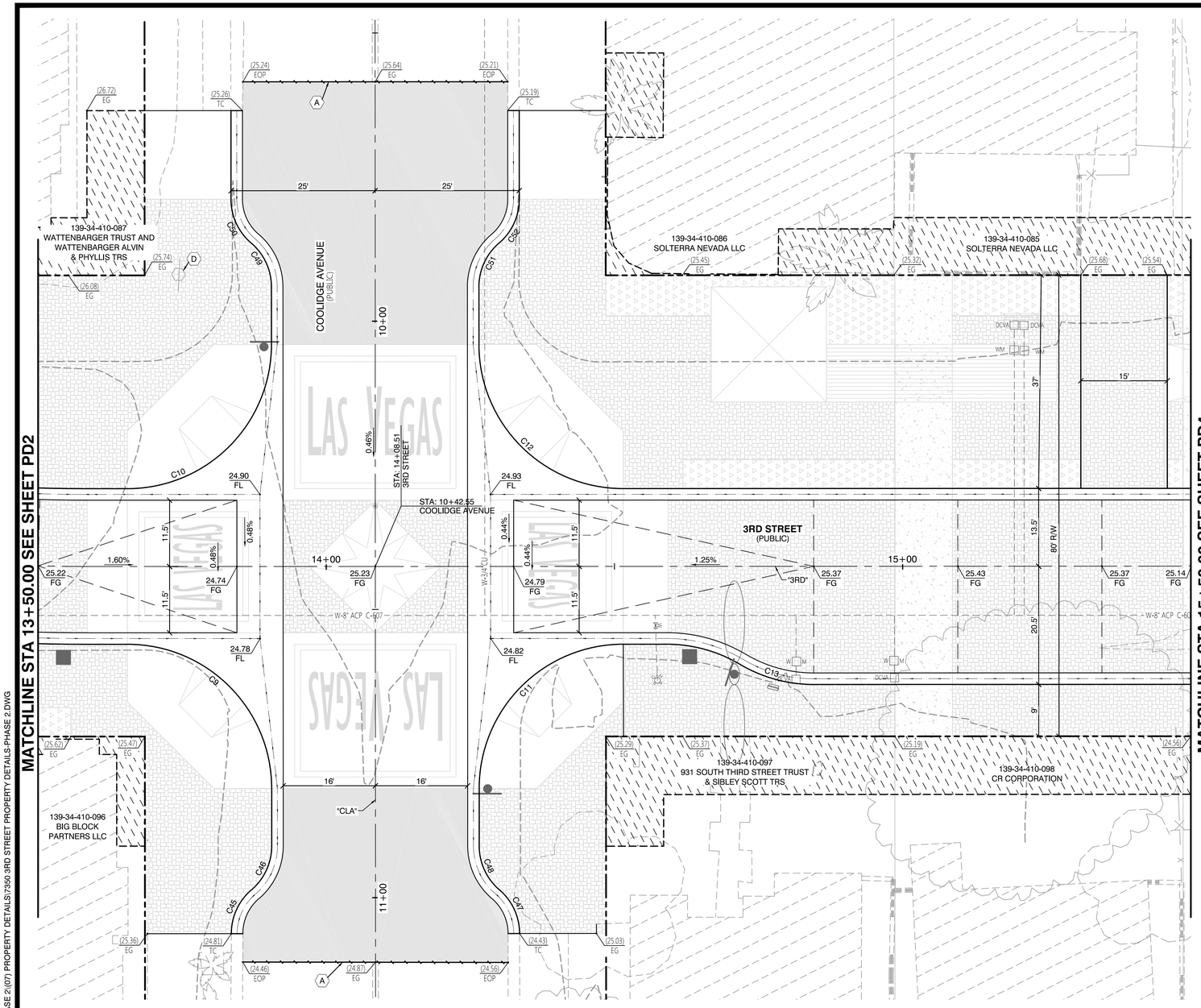
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET
PROPERTY DETAILS

"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER
ROBERT HOSKA III
06/30/17
CIVIL
No. 10112
STATE OF NEVADA

SHEET
PD2
25 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG



GRAPHIC SCALE

10 0 5 10 20 40

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NORTH

LEGEND

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CONSTRUCTION NOTES

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- (C) EXISTING STREETLIGHT, P.I.P.
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CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C9	25.00'	89°57'53"	39.25'	24.98'
C10	25.00'	90°01'21"	39.28'	25.01'
C11	25.00'	90°00'48"	39.28'	25.01'
C12	25.00'	89°59'58"	39.27'	25.00'
C13	25.00'	30°41'00"	13.39'	6.86'
C45	10.00'	49°29'21"	8.64'	4.61'
C46	10.00'	49°29'21"	8.64'	4.61'
C47	10.00'	49°20'13"	8.61'	4.59'
C48	10.00'	49°25'39"	8.63'	4.60'
C49	10.00'	49°29'28"	8.64'	4.61'
C50	10.00'	49°29'49"	8.64'	4.61'
C51	10.00'	49°27'30"	8.63'	4.61'
C52	10.00'	49°27'30"	8.63'	4.61'

BASIS OF BEARINGS AND COORDINATES

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORGIN):36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN:114°58'00"W
NORTHING AT GRID ORIGIN: 200,000.000 M (656,166.6667 FTUS)
EASTING AT CENTRAL MERIDIAN: 100,000.000 M (328,083.3333 FTUS)
SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

NOTES:
1. ALL DISTANCES AND BEARINGS SHOWN HERON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.

2. GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

PROJECT BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (2008 ADJUSTMENT)

CITY OF LAS VEGAS BENCHMARK: 1LV01-34NW6
NAVD88 ELEVATION: 617.329 METERS (2025.353 FEET)

3" NDOT BRASS CAP IN TOP OF CURB AT SE CORNER OF MAIN AND BRIDGER.

AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929
Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

NO.	DATE	REVISIONS

PREPARED BY
VTN
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH: (702) 362-2599
FAX (702) 362-2597 WEB SITE
WWW.VTNNV.COM

DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

H# 54616 | BID# ---- | DATE: -- | DESIGNED BY: MD | DRAWN BY: ND | CHECKED BY: LL | SUBMITTAL STAGE: **30% Submittal**

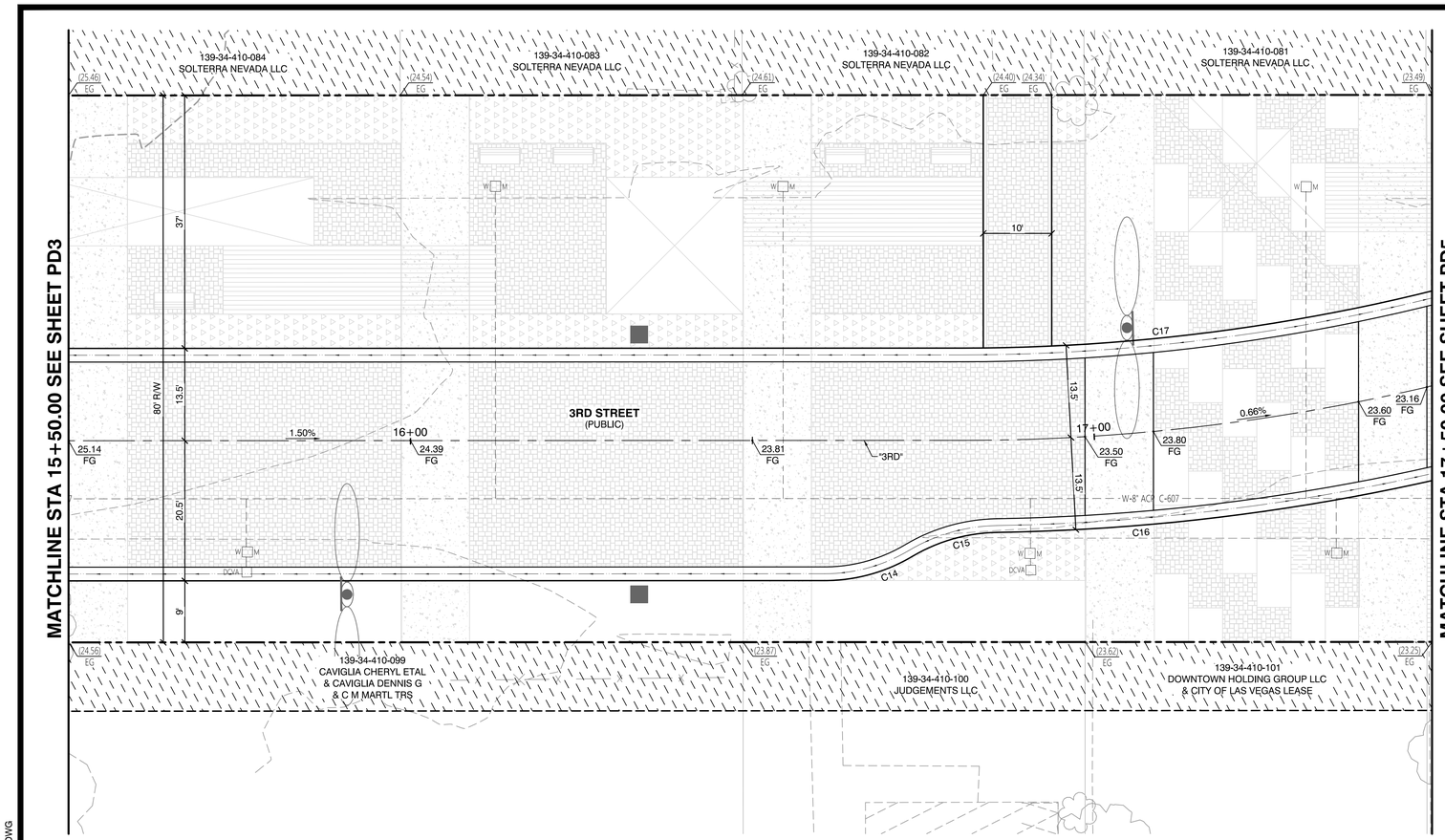
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET **PROPERTY DETAILS**

"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER STATE OF NEVADA
ROBERT C. HOSKIN III
EXP. 06/30/17
CIVIL
No. 10112

SHEET
PD3
26 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG



LEGEND

- PROPOSED AEP
- PAVERS
- PAVERS (2)
- SPECIALTY CONCRETE
- PLANTING HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING UTILITY BOX
- EXISTING OVERHEAD ELECTRIC
- EXISTING STREETLIGHT CONDUIT
- EXISTING FENCE
- EXISTING CURB
- EXISTING SIDEWALK
- RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED LIP
- PROPOSED FLOWLINE

CONSTRUCTION NOTES

- (A) SAWCUT AND MATCH EXISTING PAVEMENT
- (B) EXISTING POWER POLE, P.I.P.
- (C) EXISTING STREETLIGHT, P.I.P.
- (D) EXISTING SIGN, P.I.P.
- (E) EXISTING UTILITY. ADJUST TO GRADE. SEE ROADWAY PLANS.
- (F) EXISTING UTILITY, P.I.P.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C14	25.00'	30°46'41"	13.43'	6.88'
C15	25.00'	29°52'25"	13.03'	6.67'
C16	313.50'	14°17'58"	78.24'	39.32'
C17	286.50'	15°12'13"	76.02'	38.24'

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

PROJECT BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (2008 ADJUSTMENT)

CITY OF LAS VEGAS BENCHMARK: 1LV01-34NW6
NAVD88 ELEVATION: 617.329 METERS (2025.353 FEET)

3" NDOT BRASS CAP IN TOP OF CURB AT SE CORNER OF MAIN AND BRIDGER.

BASIS OF BEARINGS AND COORDINATES

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORGIN):36°15'00"N
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NORTHING AT GRID ORIGIN: 200,000.000 M (656,166.6667 FTUS)
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SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

NOTES:
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702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

H# 54616
BID# ----
DATE: --
DESIGNED BY: MD
DRAWN BY: ND
CHECKED BY: LL
SUBMITTAL STAGE: **30% Submittal**

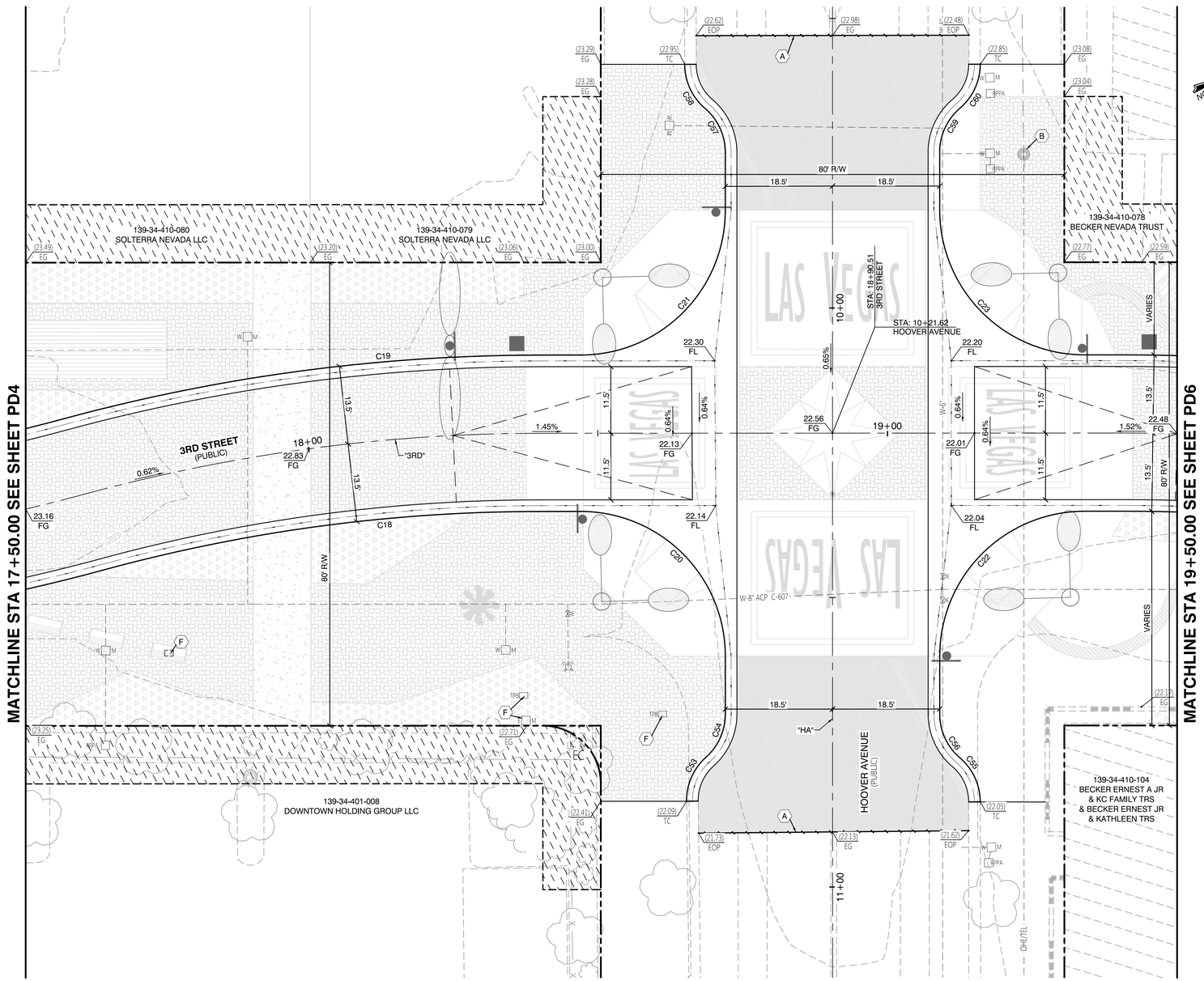
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET
PROPERTY DETAILS

"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER
ROBERT J. HOSKA III
06/30/17
CIVIL
No. 10112
STATE OF NEVADA

SHEET
PD4
27 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG



GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- PAVEMENT LIMITS
- PROPOSED AEP
- PAVERS
- SPECIALTY CONCRETE
- PLANTING HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING UTILITY BOX
- EXISTING OVERHEAD ELECTRIC
- EXISTING STREETLIGHT CONDUIT
- EXISTING FENCE
- EXISTING CURB
- EXISTING SIDEWALK
- RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED LIP
- PROPOSED FLOWLINE

CONSTRUCTION NOTES

- (A) SAWCUT AND MATCH EXISTING PAVEMENT
- (B) EXISTING POWER POLE, P.I.P.
- (C) EXISTING STREETLIGHT, P.I.P.
- (D) EXISTING SIGN, P.I.P.
- (E) EXISTING UTILITY. ADJUST TO GRADE. SEE ROADWAY PLANS.
- (F) EXISTING UTILITY, P.I.P.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C18	286.50'	15°12'13"	76.02'	38.24'
C19	313.50'	15°12'13"	83.19'	41.84'
C20	25.00'	90°00'34"	39.27'	25.00'
C21	25.00'	89°58'27"	39.26'	24.99'
C22	25.00'	89°59'26"	39.27'	25.00'
C23	25.00'	90°01'33"	39.28'	25.01'
C53	10.00'	49°01'17"	8.56'	4.56'
C54	10.00'	48°16'57"	8.43'	4.48'
C55	10.00'	49°28'31"	8.64'	4.61'
C56	10.00'	49°23'35"	8.62'	4.60'
C57	10.00'	49°31'24"	8.64'	4.61'
C58	10.00'	49°31'24"	8.64'	4.61'
C59	10.00'	49°26'42"	8.63'	4.60'
C60	10.00'	49°26'42"	8.63'	4.60'

BASIS OF BEARINGS AND COORDINATES

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORGIN):36°15'00"N
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SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

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30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

PROJECT BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (2008 ADJUSTMENT)

CITY OF LAS VEGAS BENCHMARK: 1LV01-34NW6
NAVD88 ELEVATION: 617.329 METERS (2025.353 FEET)

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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

NO.	DATE	REVISIONS

PREPARED BY
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LAS VEGAS, NEVADA 89146-5148
PH: (702) 362-2599
FAX: (702) 362-2597 WEB SITE
WWW.VTNNV.COM

DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

H# 54616
BID# ----
DATE: --
DESIGNED BY: MD
DRAWN BY: ND
CHECKED BY: LL
SUBMITTAL STAGE: **30% Submittal**

DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

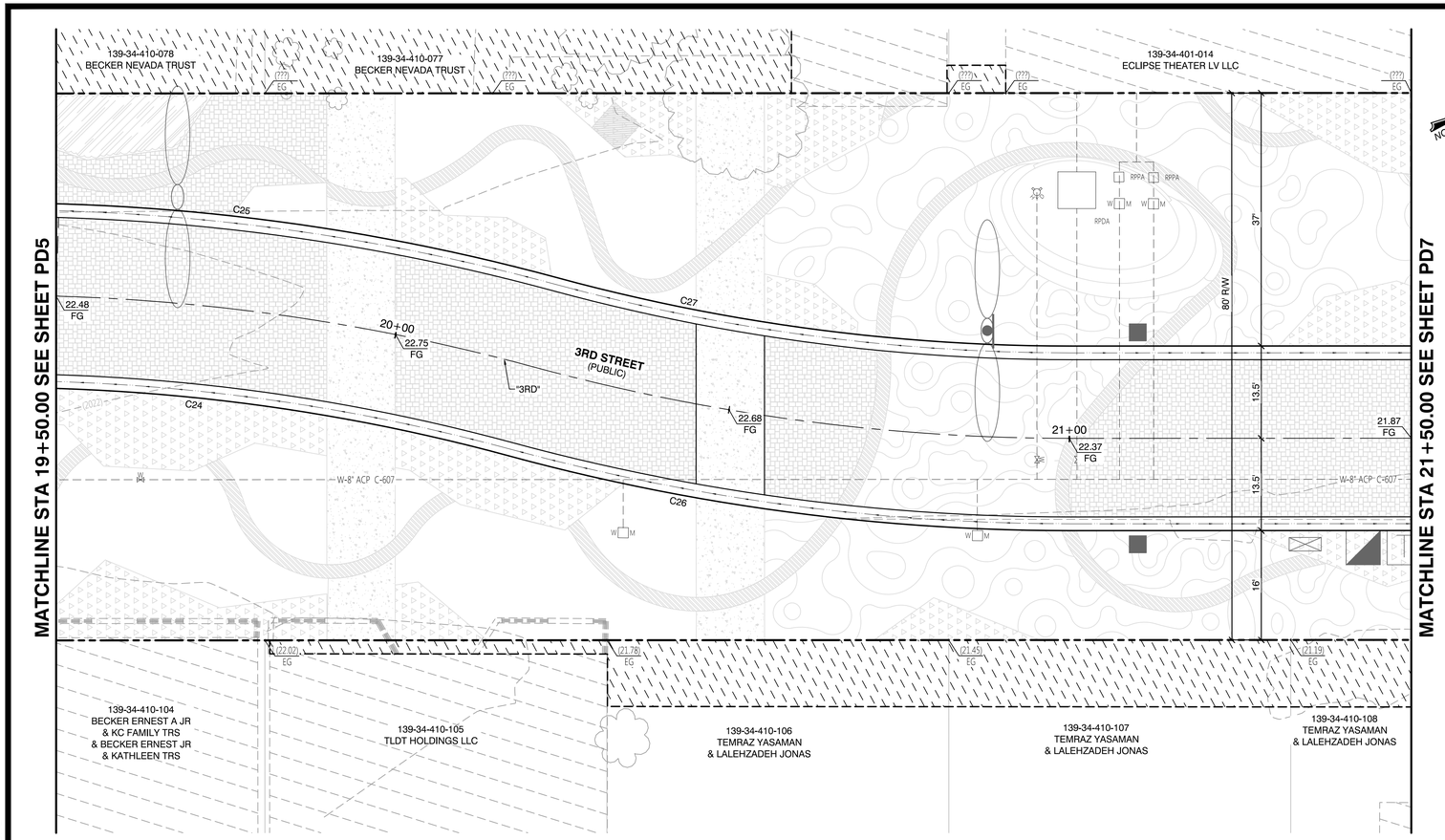
PROPERTY DETAILS

SHEET

"NOT FOR CONSTRUCTION"
ROBERT HOOPER III
EXP. 06/30/17
CIVIL
No. 10112
PROFESSIONAL ENGINEER
STATE OF NEVADA

SHEET
PD5
28 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG



NORTH

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- PROPOSED AEP
- PAVERS
- PAVERS (3)
- SPECIALTY CONCRETE
- PLANTING HATCH
- EJ HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING WATER METER
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- EXISTING FENCE
- EXISTING CURB
- EXISTING SIDEWALK
- RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED LIP
- PROPOSED FLOWLINE

CONSTRUCTION NOTES

- (A) SAWCUT AND MATCH EXISTING PAVEMENT
- (B) EXISTING POWER POLE, P.I.P.
- (C) EXISTING STREETLIGHT, P.I.P.
- (D) EXISTING SIGN, P.I.P.
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- (F) EXISTING UTILITY, P.I.P.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C24	286.50'	15°12'13"	76.02'	38.24'
C25	313.50'	15°12'13"	83.19'	41.84'
C26	313.50'	15°12'13"	83.19'	41.84'
C27	286.50'	15°12'13"	76.02'	38.24'

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

PROJECT BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (2008 ADJUSTMENT)

CITY OF LAS VEGAS BENCHMARK: 1LV01-34NW6
NAVD88 ELEVATION: 617.329 METERS (2025.353 FEET)

3" NDOT BRASS CAP IN TOP OF CURB AT SE CORNER OF MAIN AND BRIDGER.

BASIS OF BEARINGS AND COORDINATES

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS

PROJECTION: TRANSVERSE MERCATOR
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SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

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LAS VEGAS, NV 89106
702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

BID# ----
DESIGNED BY: MD
DATE: --
DRAWN BY: ND
SUBMITTAL STAGE: 30% Submittal
CHECKED BY: LL

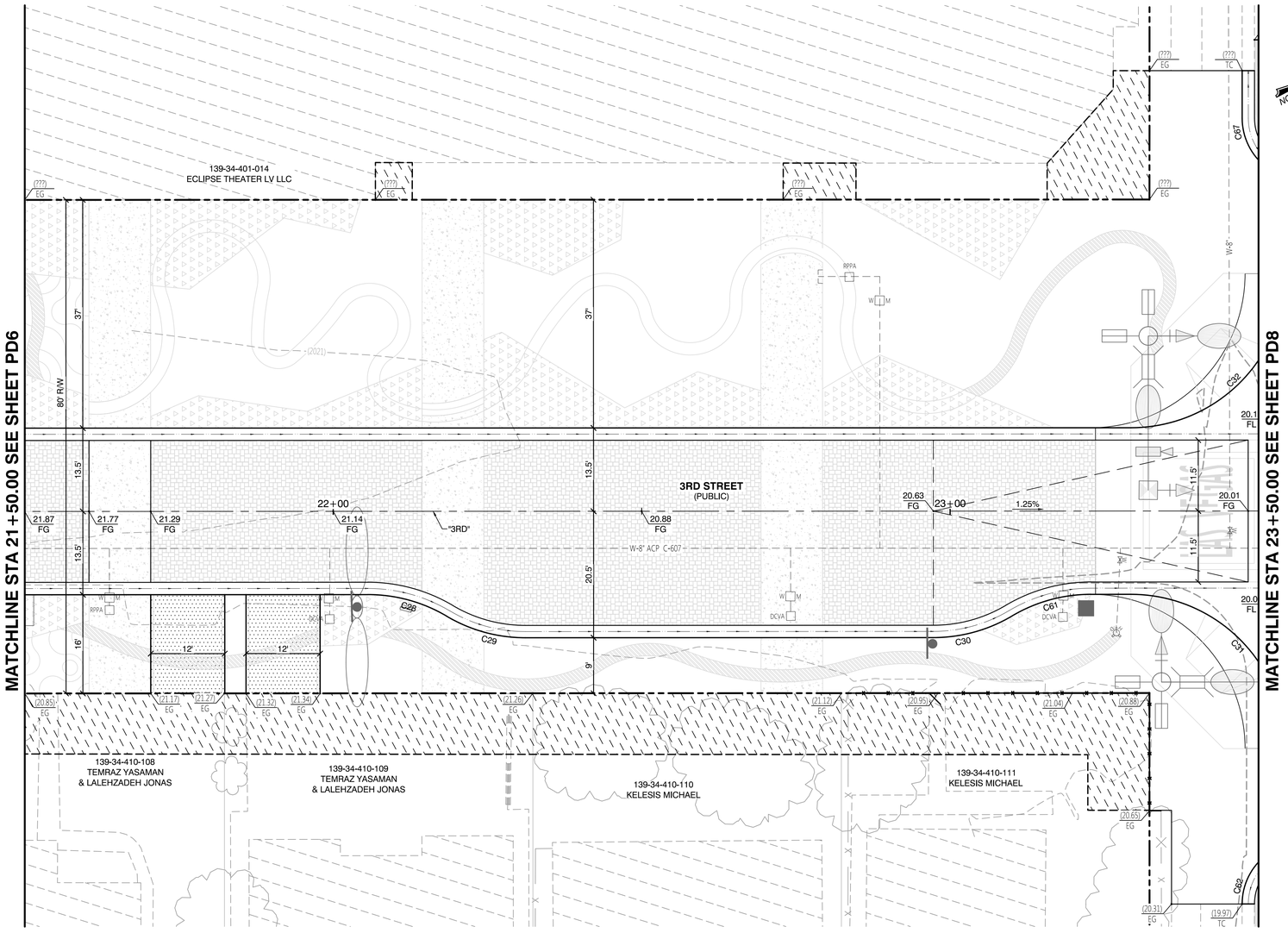
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET
PROPERTY DETAILS

"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER
ROBERT HOSTA III
EXP. 06/30/17
CIVIL
No. 10112
STATE OF NEVADA

SHEET
PD6
29 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG



NORTH

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
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(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- PROPOSED AEP
- DRIVEWAY LIMITS
- PAVERS
- PAVERS (3)
- SPECIALTY CONCRETE
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CONSTRUCTION NOTES

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- (F) EXISTING UTILITY, P.I.P.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C28	25.00'	30°41'00"	13.39'	6.86'
C29	25.00'	30°41'00"	13.39'	6.86'
C30	25.00'	30°41'00"	13.39'	6.86'
C31	25.00'	90°01'00"	39.28'	25.01'
C32	25.00'	89°58'16"	39.26'	24.99'
C61	25.00'	30°41'00"	13.39'	6.86'
C62	10.00'	49°23'24"	8.62'	4.60'
C67	10.00'	49°22'36"	8.62'	4.60'

BASIS OF BEARINGS AND COORDINATES

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

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PROJECT BENCHMARK

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702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

BID# ----
DESIGNED BY: MD
DATE: --
DRAWN BY: ND
SUBMITTAL STAGE: **30% Submittal**
CHECKED BY: LL

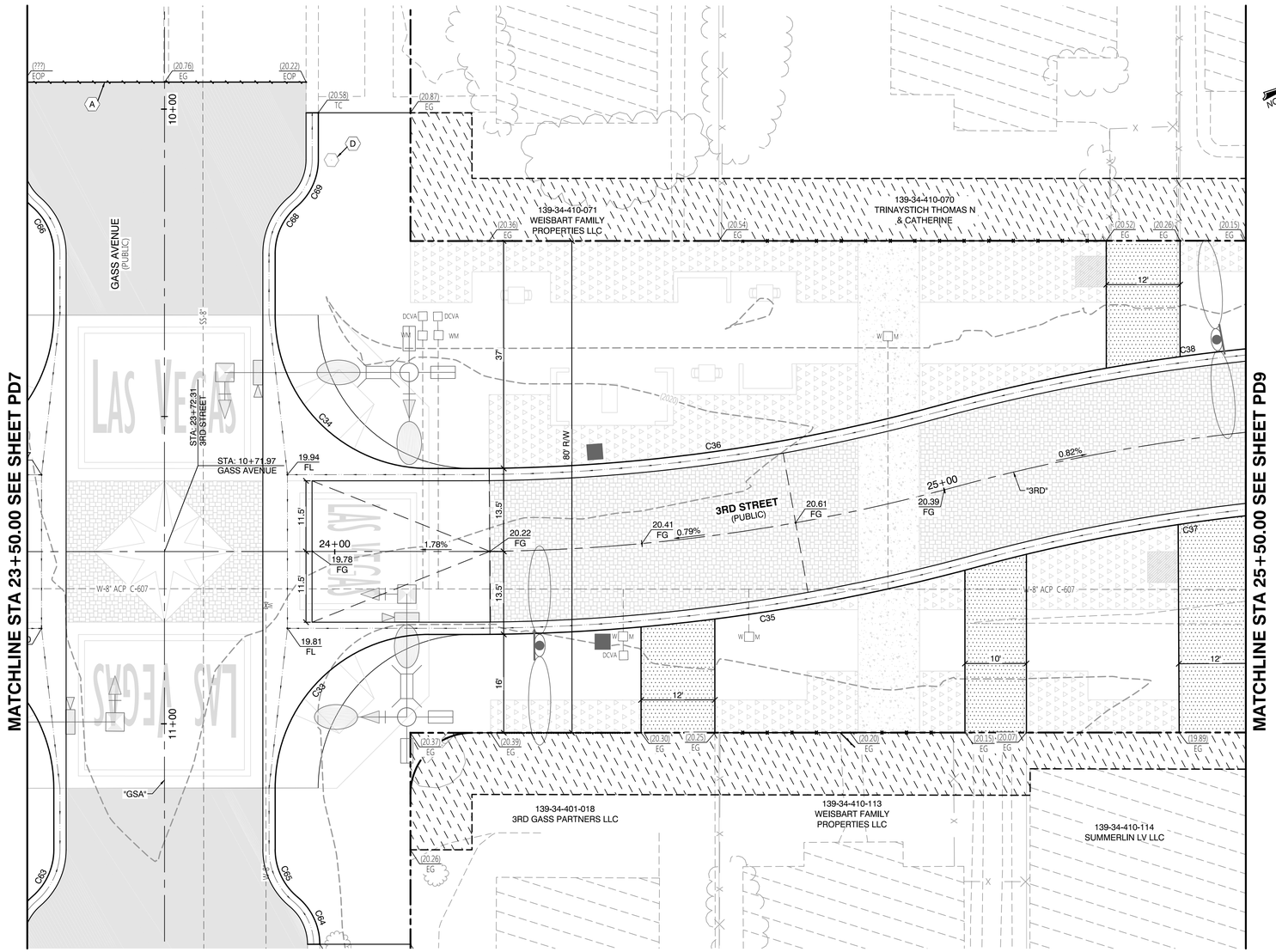
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET
PROPERTY DETAILS

"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER
ROBERTO HOSTA III
EXP. 06/30/17
CIVIL
No. 10112
STATE OF NEVADA

SHEET
PD7
30 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG



NORTH

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- PAVEMENT LIMITS
- DRIVEWAY LIMITS
- PROPOSED AEP
- PAVERS
- SPECIALTY CONCRETE
- PLANTING HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING UTILITY BOX
- EXISTING OVERHEAD ELECTRIC
- EXISTING STREETLIGHT CONDUIT
- EXISTING FENCE
- EXISTING CURB
- EXISTING SIDEWALK
- RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED LIP
- PROPOSED FLOWLINE

CONSTRUCTION NOTES

- (A) SAWCUT AND MATCH EXISTING PAVEMENT
- (B) EXISTING POWER POLE, P.I.P.
- (C) EXISTING STREETLIGHT, P.I.P.
- (D) EXISTING SIGN, P.I.P.
- (E) EXISTING UTILITY. ADJUST TO GRADE. SEE ROADWAY PLANS.
- (F) EXISTING UTILITY, P.I.P.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C33	25.00'	89°59'00"	39.26'	24.99'
C34	25.00'	90°01'44"	39.28'	25.01'
C35	313.50'	15°12'13"	83.19'	41.84'
C36	286.50'	15°12'41"	76.06'	38.26'
C37	286.50'	15°12'13"	76.02'	38.24'
C38	313.50'	15°12'13"	83.19'	41.84'
C63	10.00'	49°23'49"	8.62'	4.60'
C64	10.00'	50°19'26"	8.78'	4.70'
C65	10.00'	50°25'06"	8.80'	4.71'
C66	10.00'	49°22'56"	8.62'	4.60'
C68	10.00'	49°32'04"	8.65'	4.61'
C69	10.00'	49°31'44"	8.64'	4.61'

BASIS OF BEARINGS AND COORDINATES

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORGIN):36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN:114°58'00"W
NORTHING AT GRID ORIGIN: 200,000.000 M (656,166.6667 FTUS)
EASTING AT CENTRAL MERIDIAN: 100,000.000 M (328,083.3333 FTUS)
SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

NOTES:
1. ALL DISTANCES AND BEARINGS SHOWN HERON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.

2. GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

PROJECT BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (2008 ADJUSTMENT)

CITY OF LAS VEGAS BENCHMARK: 1LV01-34NW6
NAVD88 ELEVATION: 617.329 METERS (2025.353 FEET)

3" NDOT BRASS CAP IN TOP OF CURB AT SE CORNER OF MAIN AND BRIDGER.

AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
1-702-227-2929

FAST
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1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

NO.	DATE	REVISIONS

PREPARED BY
VTN
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH: (702) 362-8995
FAX: (702) 362-2597 WEB SITE
WWW.VTNNV.COM

DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

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SUBMITTAL STAGE: **30% Submittal**

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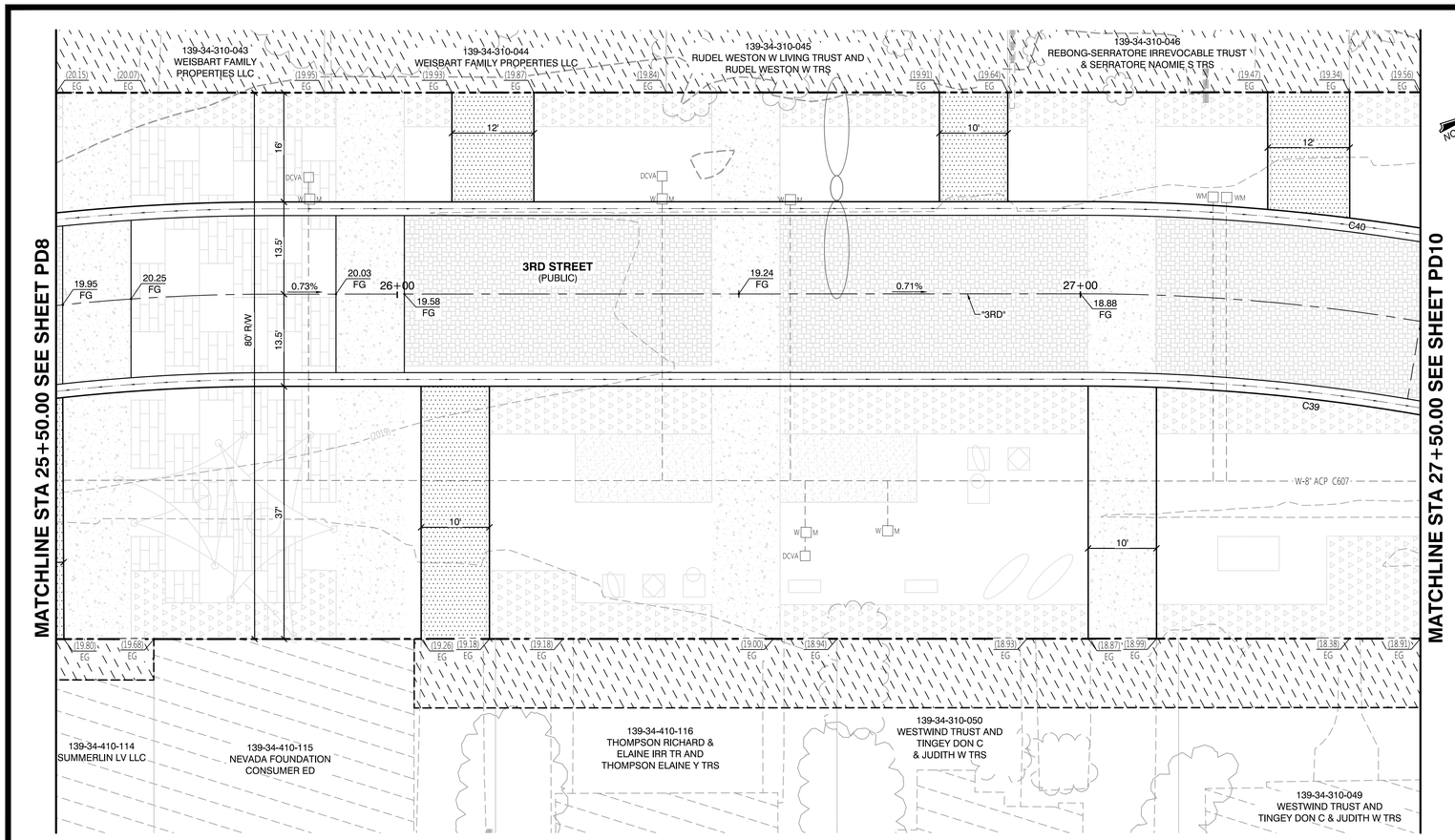
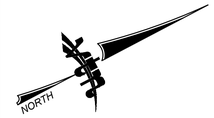
PD8
31 OF 61
DRAWING NO.

12/2/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG





GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- PROPOSED AEP
- DRIVEWAY LIMITS
- PAVERS
- PAVERS (2)
- SPECIALTY CONCRETE
- PLANTING HATCH
- TURF HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING UTILITY BOX
- EXISTING OVERHEAD ELECTRIC
- EXISTING STREETLIGHT CONDUIT
- EXISTING FENCE
- EXISTING CURB
- EXISTING SIDEWALK
- RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED LIP
- PROPOSED FLOWLINE

CONSTRUCTION NOTES

- (A) SAWCUT AND MATCH EXISTING PAVEMENT
- (B) EXISTING POWER POLE, P.I.P.
- (C) EXISTING STREETLIGHT, P.I.P.
- (D) EXISTING SIGN, P.I.P.
- (E) EXISTING UTILITY. ADJUST TO GRADE. SEE ROADWAY PLANS.
- (F) EXISTING UTILITY, P.I.P.

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C39	286.50'	10°44'05"	53.68'	26.92'
C40	313.50'	10°44'05"	58.74'	29.45'

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December 2016

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PROJECT BENCHMARK

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CITY OF LAS VEGAS BENCHMARK: 1LV01-34NW6
NAVD88 ELEVATION: 617.329 METERS (2025.353 FEET)

3" NDOT BRASS CAP IN TOP OF CURB AT SE CORNER OF MAIN AND BRIDGER.

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GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORGIN):36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN:114°58'00"W
NORTHING AT GRID ORIGIN: 200,000.000 M (656,166.6667 FTUS)
EASTING AT CENTRAL MERIDIAN: 100,000.000 M (328,083.3333 FTUS)
SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

NOTES:
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VTN
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333 N. RANCHO DRIVE
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702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

H# 54616
BID# ----
DATE: --
DESIGNED BY: MD
DRAWN BY: ND
CHECKED BY: LL
SUBMITTAL STAGE: **30% Submittal**

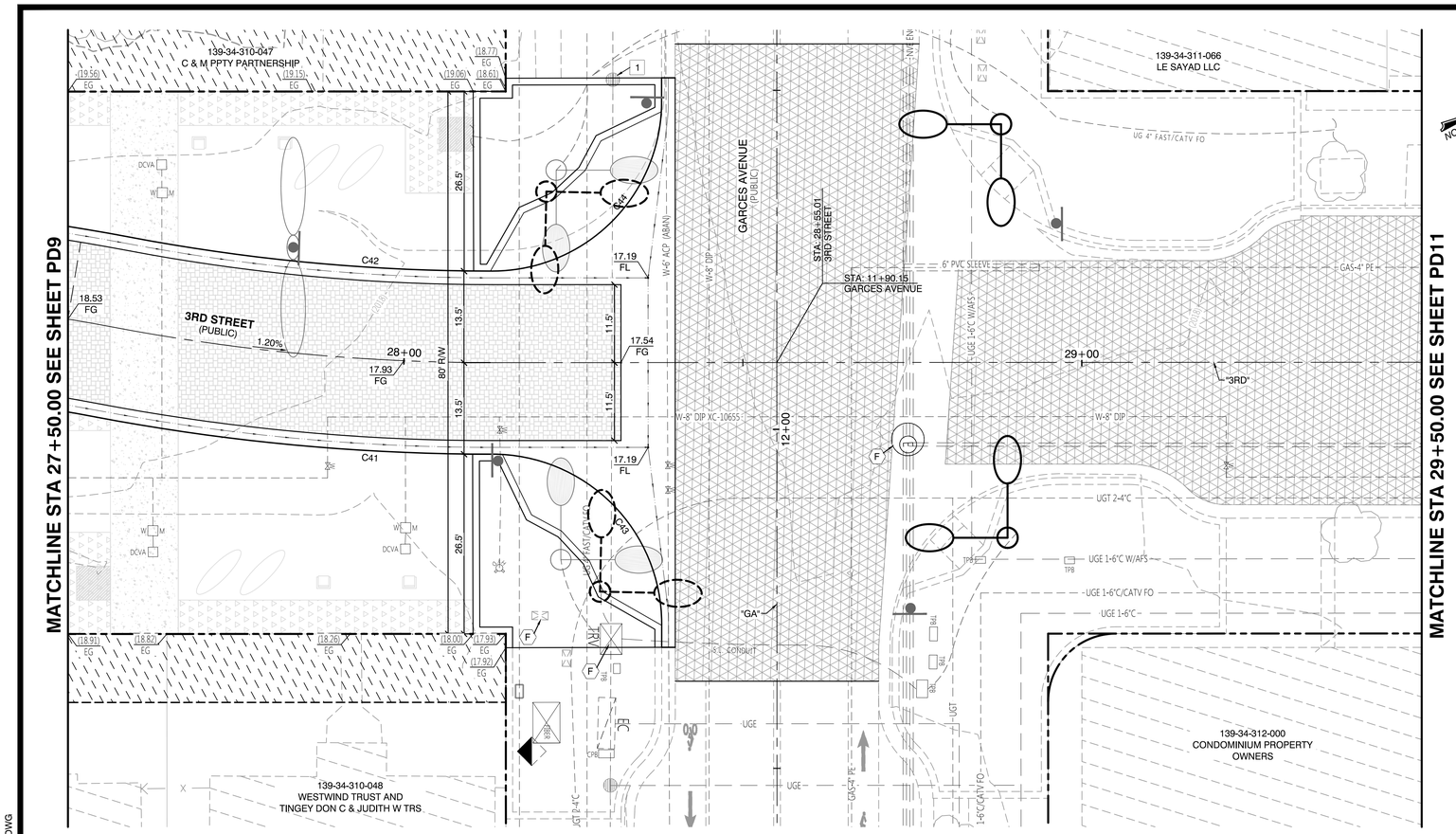
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET
PROPERTY DETAILS

PROFESSIONAL ENGINEER
ROBERT HOSKIN III
EXP. 06/30/17
CIVIL
No. 10112
STATE OF NEVADA
"NOT FOR CONSTRUCTION"

SHEET
PD9
32 OF 61
DRAWING NO.

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG



GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

NORTH

LEGEND

- PAVER LIMITS
- PROPOSED AEP
- PAVERS
- SPECIALTY CONCRETE
- PLANTING HATCH
- EXISTING PARKING METER TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH THE CITY.
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- EXISTING UTILITY POLE
- EXISTING WATER VALVE
- W M EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING UTILITY BOX
- OHE EXISTING OVERHEAD ELECTRIC
- STL EXISTING STREETLIGHT CONDUIT
- X EXISTING FENCE
- EXISTING CURB
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CONSTRUCTION NOTES

- (A) SAWCUT AND MATCH EXISTING PAVEMENT
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CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C41	313.50'	10°44'01"	58.73'	29.45'
C42	286.50'	10°44'10"	53.69'	26.92'
C43	25.00'	90°00'35"	39.27'	25.00'
C44	25.00'	89°59'55"	39.27'	25.00'

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

PROJECT BENCHMARK

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3" NDOT BRASS CAP IN TOP OF CURB AT SE CORNER OF MAIN AND BRIDGER.

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LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

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ZONE: LAS VEGAS

PROJECTION: TRANSVERSE MERCATOR
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SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

NOTES:
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CHARLESTON TO BONNEVILLE

SHEET
PROPERTY DETAILS

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No. 10112
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PD10
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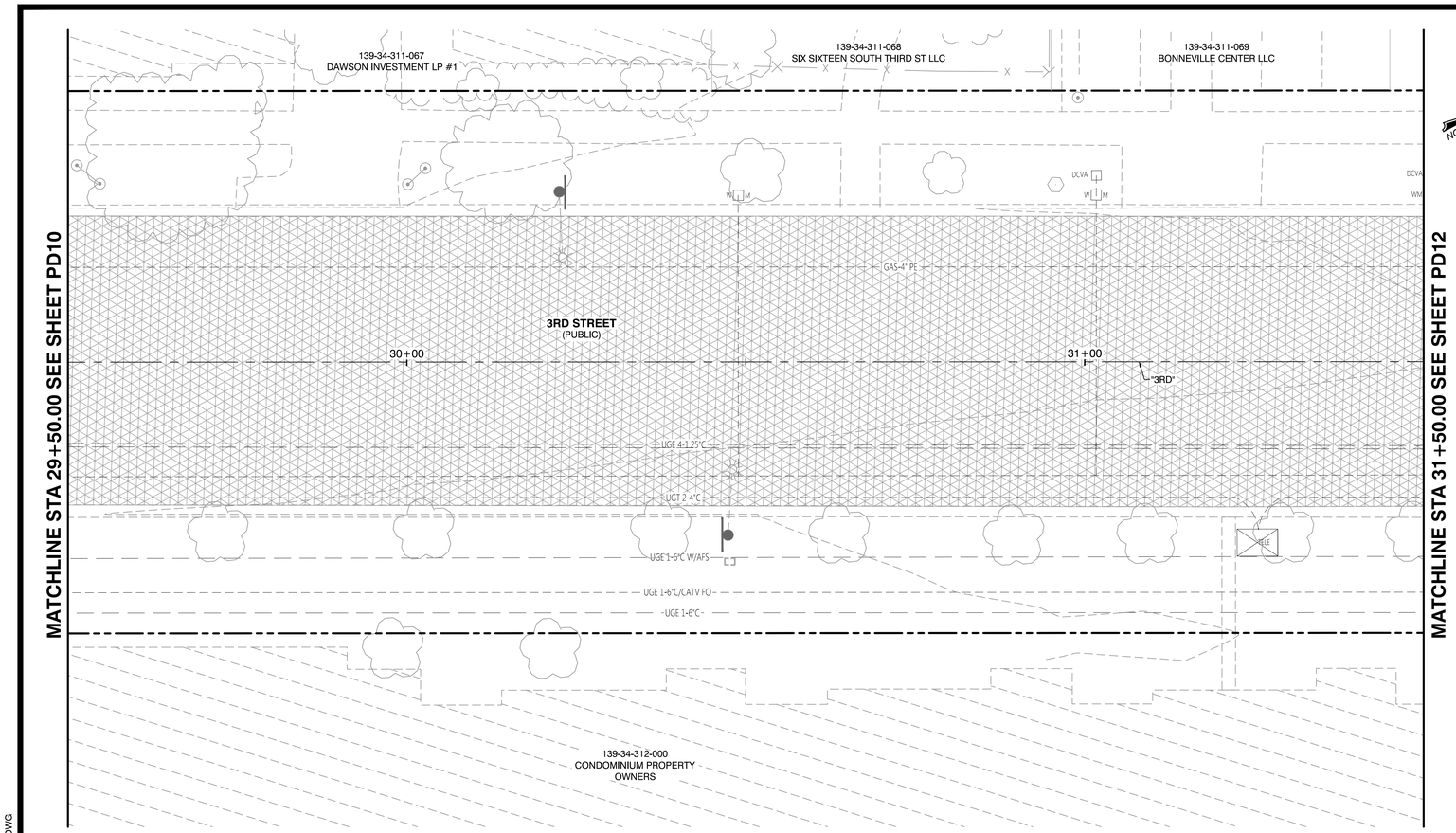

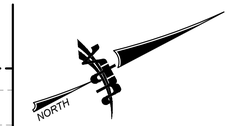

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LEGEND

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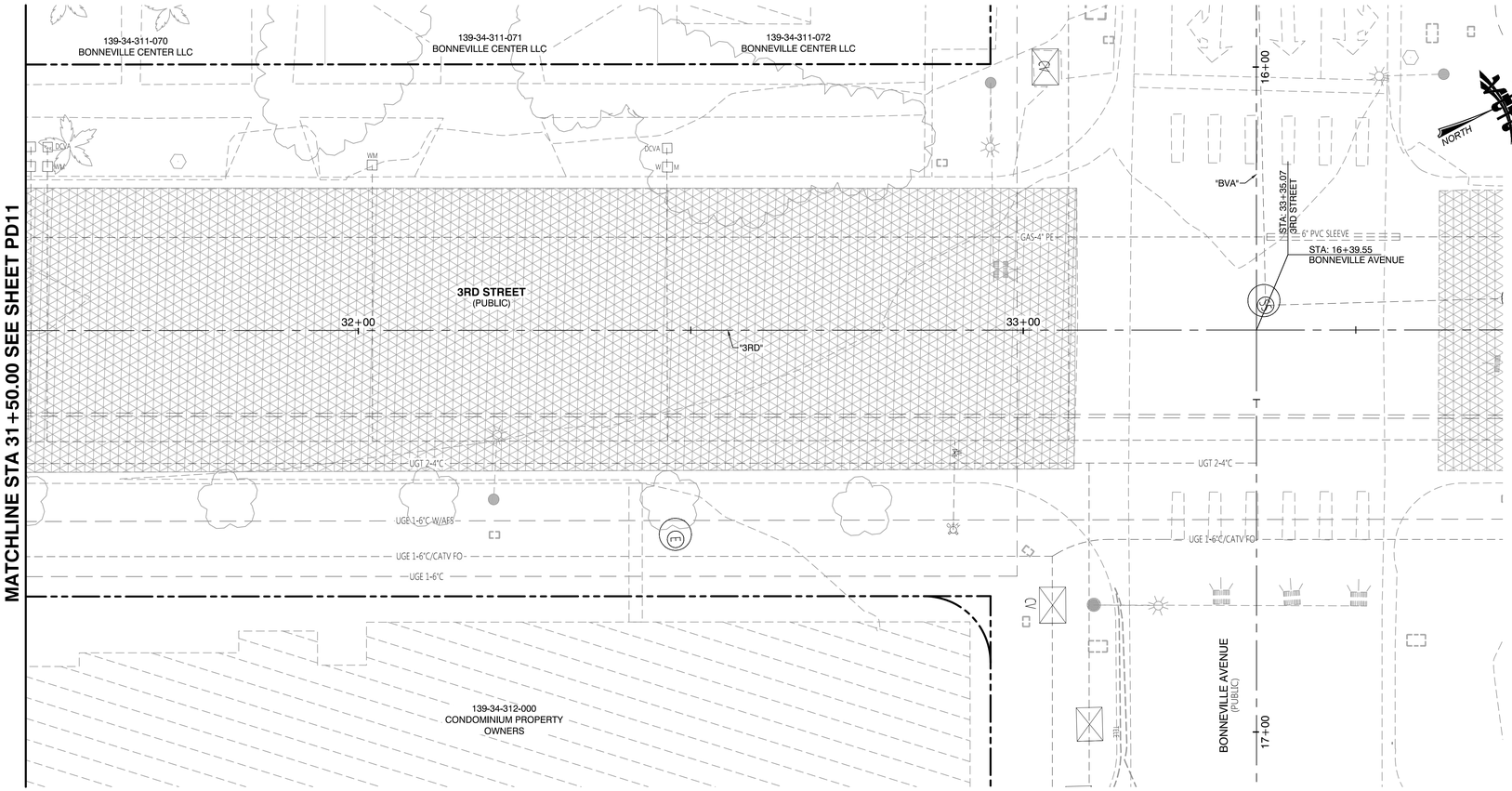

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- (A) **SAWCUT AND MATCH EXISTING PAVEMENT**
- (B) **EXISTING POWER POLE, P.I.P.**
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3" NDOT BRASS CAP IN TOP OF CURB AT SE CORNER OF MAIN AND BRIDGER.

BASIS OF BEARINGS AND COORDINATES

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORGIN):36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN:114°58'00"W
NORTHING AT GRID ORIGIN: 200,000.000 M (656,166.6667 FTUS)
EASTING AT CENTRAL MERIDIAN: 100,000.000 M (328,083.3333 FTUS)
SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

NOTES:
1. ALL DISTANCES AND BEARINGS SHOWN HERON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.

2. GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

NO.	DATE	REVISIONS

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DEPARTMENT OF PUBLIC WORKS
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

H# 54616
BID# ----
DATE: --
DESIGNED BY: MD
DRAWN BY: ND
CHECKED BY: LL
SUBMITTAL STAGE:
30% Submittal

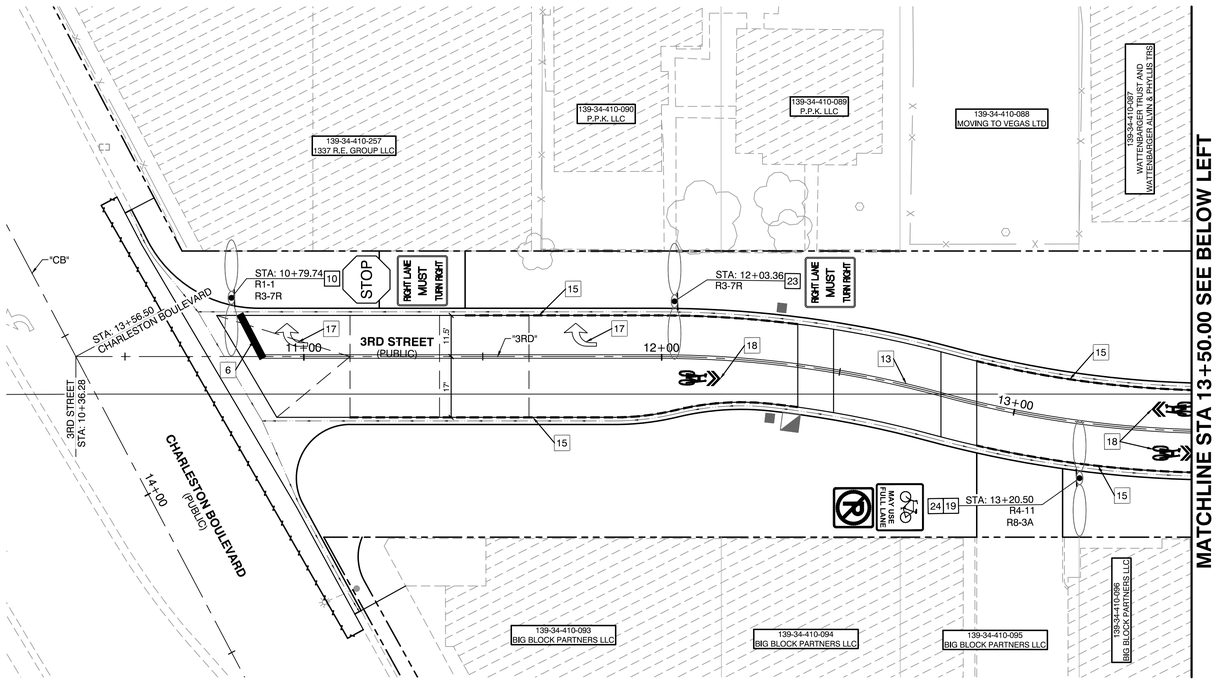
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

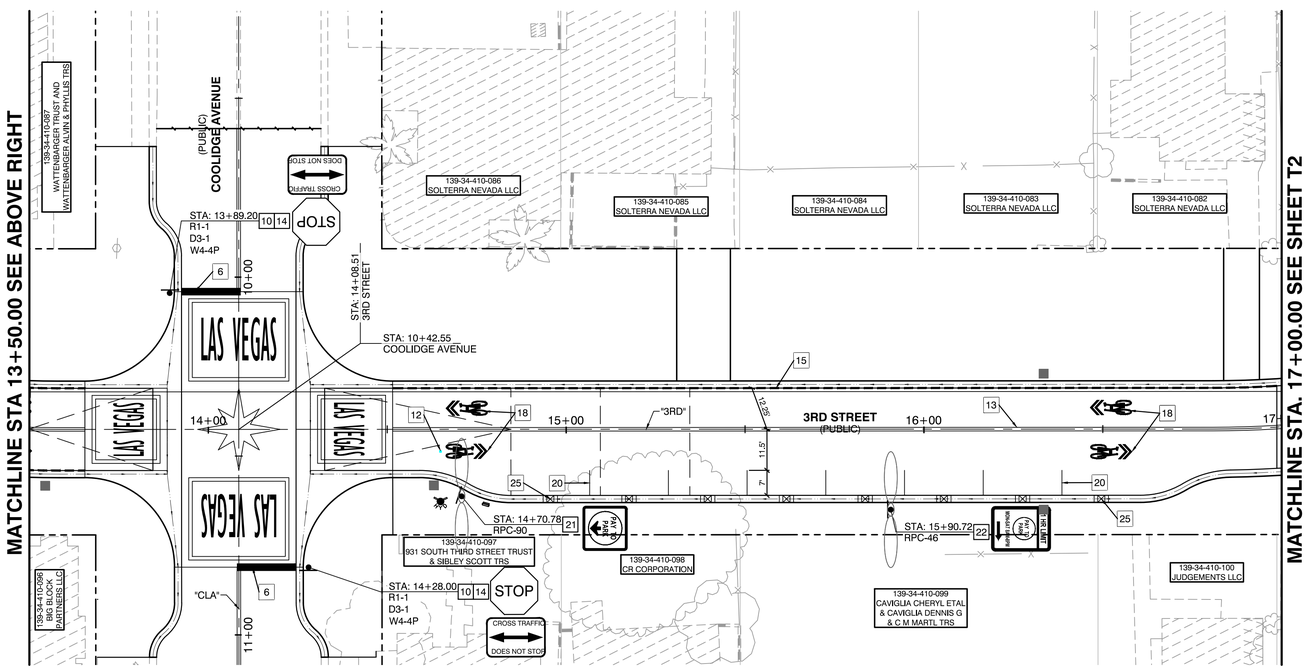
SHEET
PROPERTY DETAILS

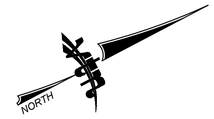
"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER
ROBERT C. HOSKA III
EXP. 06/30/17
CIVIL
No. 10112
STATE OF NEVADA

SHEET
PD12
35 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(07) PROPERTY DETAILS\7350 3RD STREET PROPERTY DETAILS-PHASE 2.DWG







GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- "NO PARKING" FIRE LANE. PAINT CURBS WITH INDUSTRIAL STRENGTH ENAMEL (SAFETY RED) WHERE INDICATED
- RIGHT-OF-WAY LINE
- 110/160 WATT LED STREET LIGHTS
- 160 WATT LED STREET LIGHT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- PROPOSED SIGN
- 5' X 5' TREE WELL (REFER TO HARDSCAPE PLANS)
- TRASH ENCLOSURE
- BENCH (REFER TO HARDSCAPE PLANS)
- PLANTER (REFER TO HARDSCAPE PLANS)

SIGNAGE LEGEND

STOP — R1-1, 30" X 30"

R8-3A, 18" X 18"

MAY USE FULL LANE — R4-11, 30" X 30"

PAY TO PARK — RPC-90, 24" X 24"

CROSS TRAFFIC / DOES NOT STOP — W4-P, 24" X 12"

1 HR LIMIT / PAY TO PARK / MON-SAT 8AM-6PM — RPC-46, 18" X 24"

RIGHT LANE MUST TURN RIGHT — R3-7R, 30" X 30"

TRAFFIC STRIPING & SIGNAGE LEGEND

6 INSTALL 24" SOLID WHITE STOP BAR PER CCAUSD NO. 254 (FILM)

10 INSTALL "STREET NAME" SIGN (D3-1) & "STOP SIGN" (R1-1) PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE, SEE PLANS.

12 INSTALL BLUE REFLECTIVE MARKER 8' FROM BACK OF CURB PER CLARK COUNTY FIRE DEPARTMENT STANDARDS

13 INSTALL TYPE I CENTERLINE PER USD NO. 244 (POLYUREA).

14 INSTALL "CROSS TRAFFIC DOES NOT STOP" SIGN (W4-4P) PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE. SEE PLANS.

15 INSTALL "NO PARKING" FIRE LANE BY PAINTING CURBS WITH INDUSTRIAL STRENGTH ENAMEL (SAFETY RED).

17 INSTALL "ARROWS" AND/OR "ONLY" USING WHITE TYPE 1 PAVEMENT MARKING FILM PER USD NO. 246.

18 INSTALL SHARED BIKE LANE LEGEND. SEE MUTCD FIG. 9C-9 (FILM).

19 INSTALL R8-3A "NO PARKING" SIGN PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE. SEE PLANS.

20 INSTALL 8'X20' PARKING STALLS USING 4" SOLID WHITE PARKING LINE (POLYUREA). CONTRACTOR TO COORDINATE WITH CLV FOR LOCATIONS OF THE PARKING SPACES.

21 INSTALL "PAY TO PARK" SIGN (RPC-90) PER CCAUSD NO. 249.1. SEE PLANS.

22 INSTALL "1 HR LIMIT PAY TO PARK" SIGN (RPC-46) PER CCAUSD NO. 249.1. SEE PLANS.

23 INSTALL R3-7R "RIGHT LANE MUST TURN RIGHT" SIGN PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE. SEE PLANS.

24 INSTALL R4-11 "MAY USE FULL LANE" SIGN PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE. SEE PLANS.

25 PARKING NUMBER AND MARKER TO BE INSTALLED BY CITY OF LAS VEGAS PARKING ENFORCEMENT.

26 INSTALL STAMPED CONCRETE CROSSWALK.

30% Submittal
"NOT FOR CONSTRUCTION"
December 2016

FAST — Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU TIE TO OVERHEAD. 1-702-227-2929

Call before you Dig. Avoid cutting underground utility lines. It's costly. Call 811

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DEPARTMENT OF PUBLIC WORKS, 333 N. RANCHO DRIVE, LAS VEGAS, NV 89106, 702-229-6272

PREPARED FOR: CITY OF LAS VEGAS

H# 54616 | BID# ---- | DATE: -- | DESIGNED BY: MD | DRAWN BY: ND | CHECKED BY: LL | SUBMITTAL STAGE: 30% Submittal

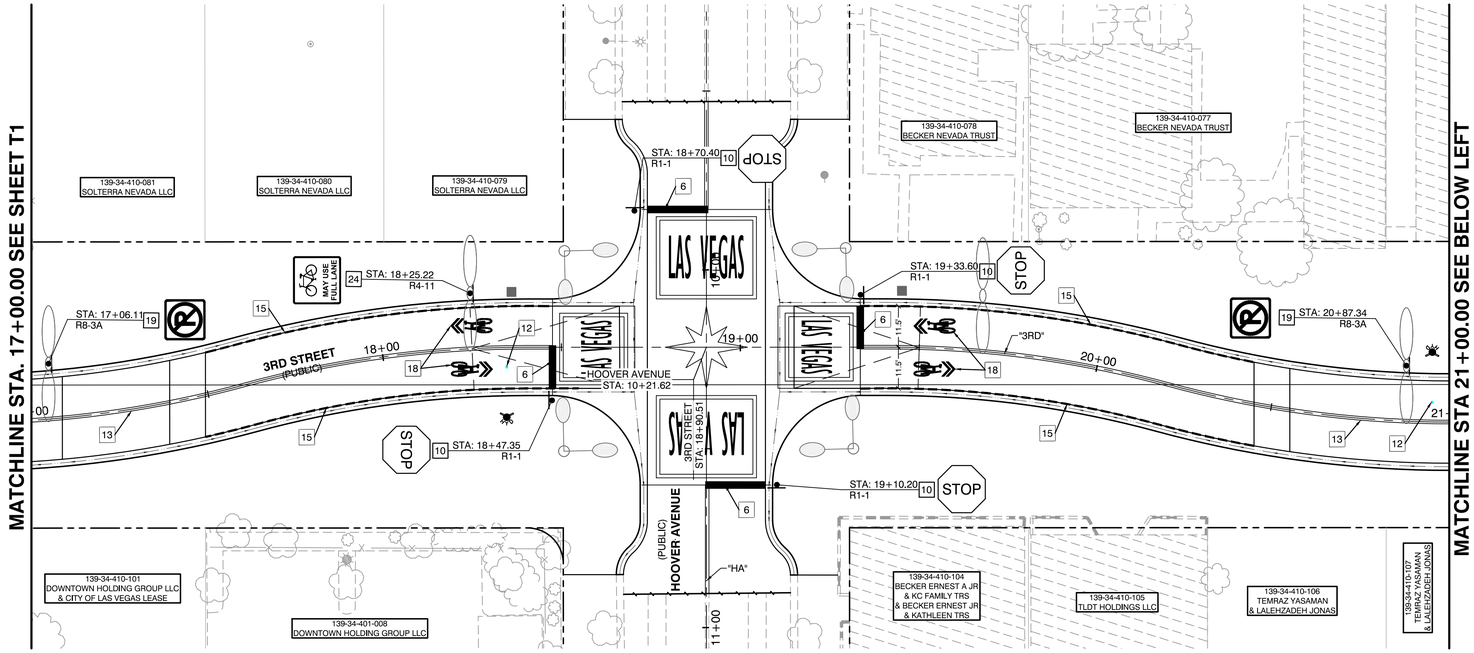
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

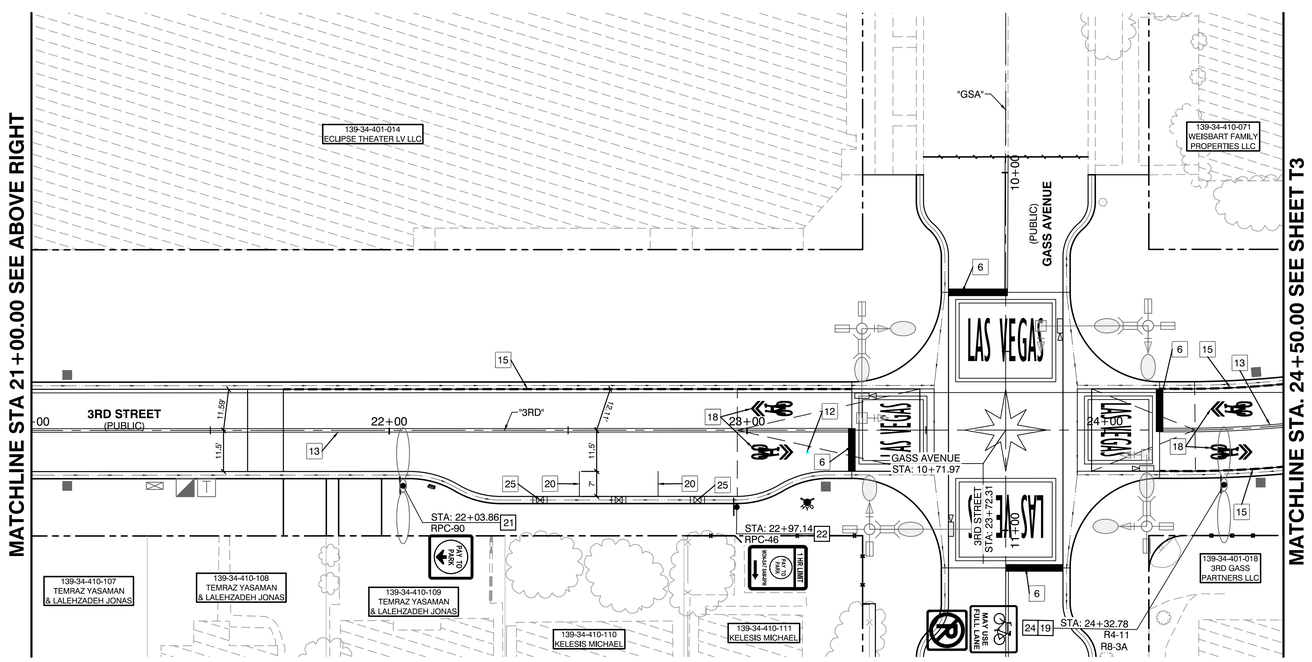
SHEET: SIGNAGE & STRIPING PLANS

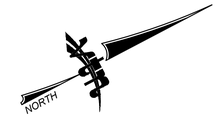
PROFESSIONAL ENGINEER — STATE OF NEVADA — ROBERT C. HOSKINS III — EXP. 06/30/17 — CIVIL — No. 10112 — "NOT FOR CONSTRUCTION"

SHEET T1
36 OF 61
DRAWING NO. --

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(08) SIGNAGE & STRIPING PLANS\7350 3RD STREET SIGNAGE & STRIPING-PHASE 2.DWG







GRAPHIC SCALE

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(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- "NO PARKING" FIRE LANE. PAINT CURBS WITH INDUSTRIAL STRENGTH ENAMEL (SAFETY RED) WHERE INDICATED
- RIGHT-OF-WAY LINE
- 110/160 WATT LED STREET LIGHTS
- 160 WATT LED STREET LIGHT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- PROPOSED SIGN
- 5' X 5' TREE WELL (REFER TO HARDSCAPE PLANS)
- TRASH ENCLOSURE
- BENCH (REFER TO HARDSCAPE PLANS)
- PLANTER (REFER TO HARDSCAPE PLANS)

SIGNAGE LEGEND

STOP — R1-1 30" X 30"

R8-3A 18" X 18"

MAY USE FULL LANE — R4-11 30" X 30"

PAY TO PARK — RPC-90 24" X 24"

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TRAFFIC STRIPING & SIGNAGE LEGEND

6	INSTALL 24" SOLID WHITE STOP BAR PER CCAUSD NO. 254 (FILM)
10	INSTALL "STREET NAME" SIGN (D3-1) & "STOP SIGN" (R1-1) PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE, SEE PLANS.
12	INSTALL BLUE REFLECTIVE MARKER 8' FROM BACK OF CURB PER CLARK COUNTY FIRE DEPARTMENT STANDARDS
13	INSTALL TYPE I CENTERLINE PER USD NO. 244 (POLYUREA).
15	INSTALL "NO PARKING" FIRE LANE BY PAINTING CURBS WITH INDUSTRIAL STRENGTH ENAMEL (SAFETY RED).
18	INSTALL SHARED BIKE LANE LEGEND. SEE MUTCD FIG. 9C-9 (FILM).
19	INSTALL R8-3A "NO PARKING" SIGN PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE. SEE PLANS.
20	INSTALL 8'X20' PARKING STALLS USING 4" SOLID WHITE PARKING LINE (POLYUREA). CONTRACTOR TO COORDINATE WITH CLV FOR LOCATIONS OF THE PARKING SPACES.
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22	INSTALL "1 HR LIMIT PAY TO PARK" SIGN (RPC-46) PER CCAUSD NO. 249.1. SEE PLANS.
24	INSTALL R4-11 "MAY USE FULL LANE" SIGN PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE. SEE PLANS.
25	PARKING NUMBER AND MARKER TO BE INSTALLED BY CITY OF LAS VEGAS PARKING ENFORCEMENT.
26	INSTALL STAMPED CONCRETE CROSSWALK.

30% Submittal
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December 2016

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702-229-6272

PREPARED FOR
CITY OF LAS VEGAS

H# 54616 | BID# ---- | DATE: -- | DESIGNED BY: MD | DRAWN BY: ND | CHECKED BY: LL

SUBMITTAL STAGE: **30% Submittal**

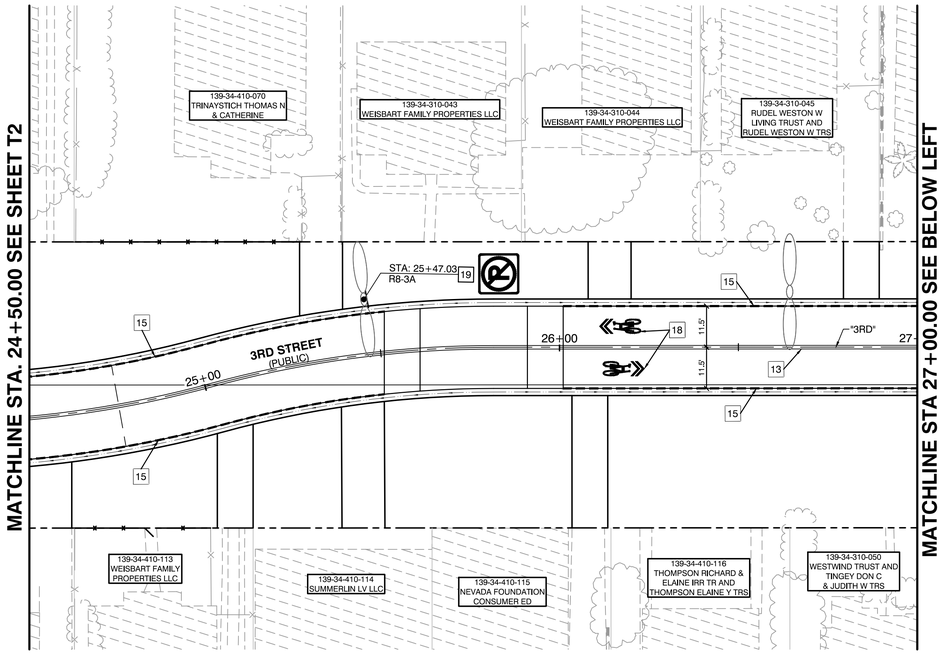
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET
SIGNAGE & STRIPING PLANS

PROFESSIONAL ENGINEER — STATE OF NEVADA — ROBERT C. HOSKINS III — EXP. 06/30/17 — No. 10112 — CIVIL — "NOT FOR CONSTRUCTION"

SHEET
T2
37 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(08) SIGNAGE & STRIPING PLANS\7350 3RD STREET SIGNAGE & STRIPING-PHASE 2.DWG



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SIGNAGE LEGEND

STOP — R1-1, 30" X 30"

R8-3A, 18" X 18"

MAY USE FULL LANE — R4-11, 30" X 30"

TRAFFIC STRIPING & SIGNAGE LEGEND

6	INSTALL 24" SOLID WHITE STOP BAR PER CCAUSD NO. 254 (FILM)
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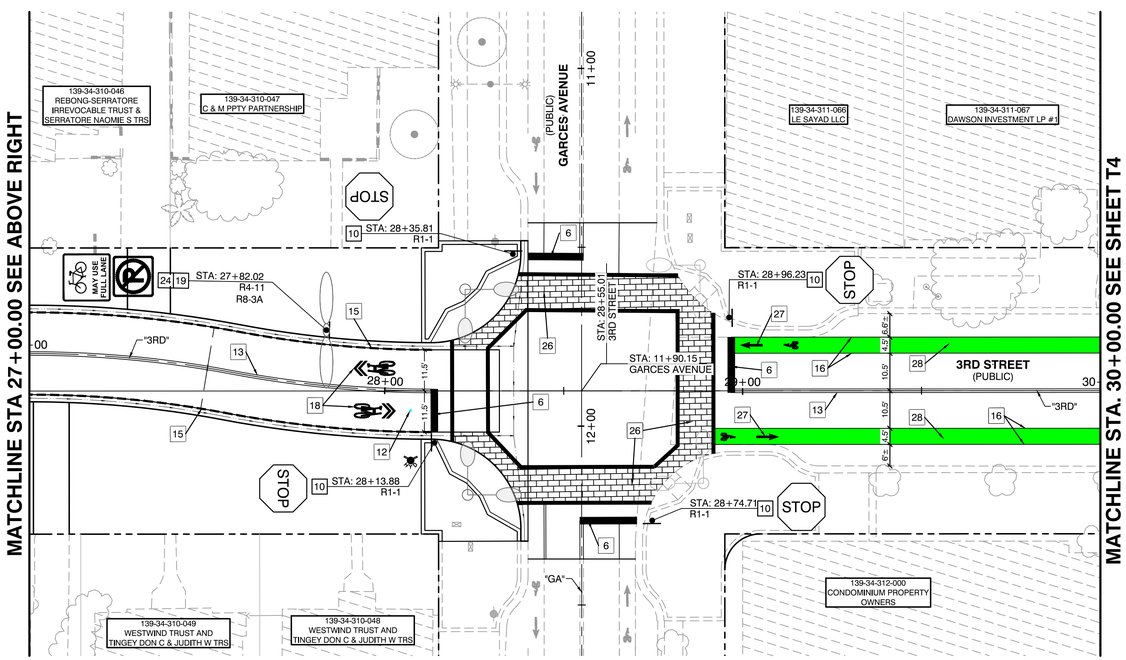
13	INSTALL TYPE I CENTERLINE PER USD NO. 244 (POLYUREA).
15	INSTALL "NO PARKING" FIRE LANE BY PAINTING CURBS WITH INDUSTRIAL STRENGTH ENAMEL (SAFETY RED).
16	INSTALL 6" SOLID WHITE LINE PER USD NO. 244.9 (TYPE II FILM).
18	INSTALL SHARED BIKE LANE LEGEND. SEE MUTCD FIG. 9C-9 (FILM).
19	INSTALL R8-3A "NO PARKING" SIGN PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE. SEE PLANS.
24	INSTALL R4-11 "MAY USE FULL LANE" SIGN PER CCAUSD NO. 249.1 OR MOUNT ON STREETLIGHT POLE. SEE PLANS.
26	INSTALL STAMPED CONCRETE CROSSWALK.
27	INSTALL 20-FT PREFORMED PANELS WITH INTEGRAL ARROW/BIKE SYMBOLS FOLLOWED BY SOLID GREEN PANELS.
28	INSTALL PREFORMED THERMOPLASTIC GREEN BIKE LANE.



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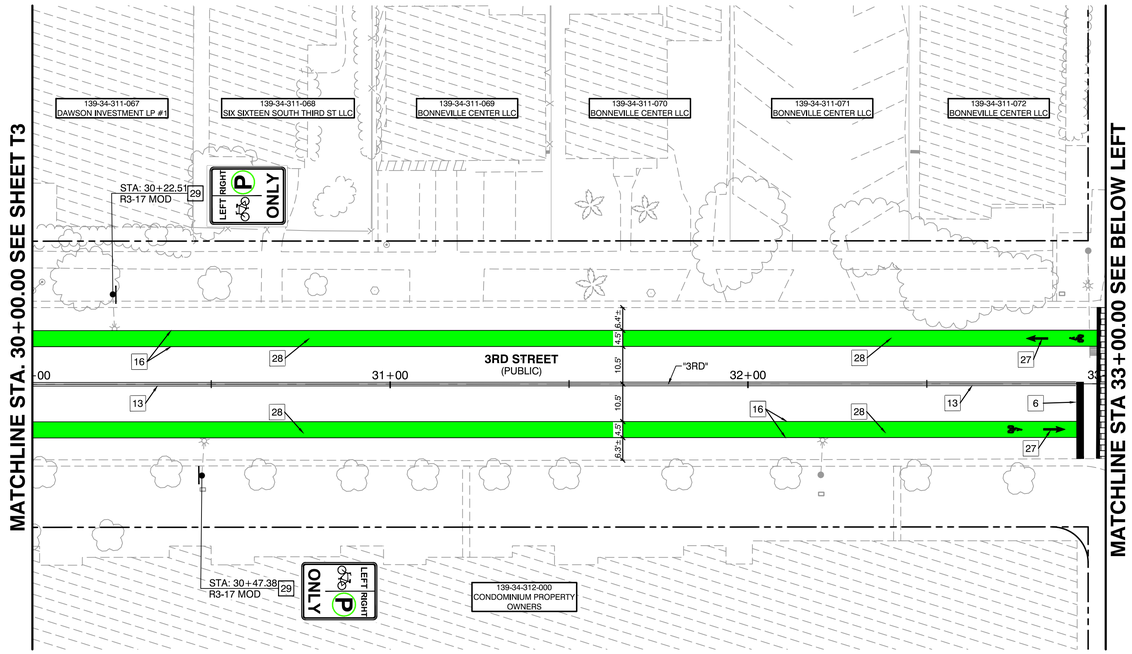
DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

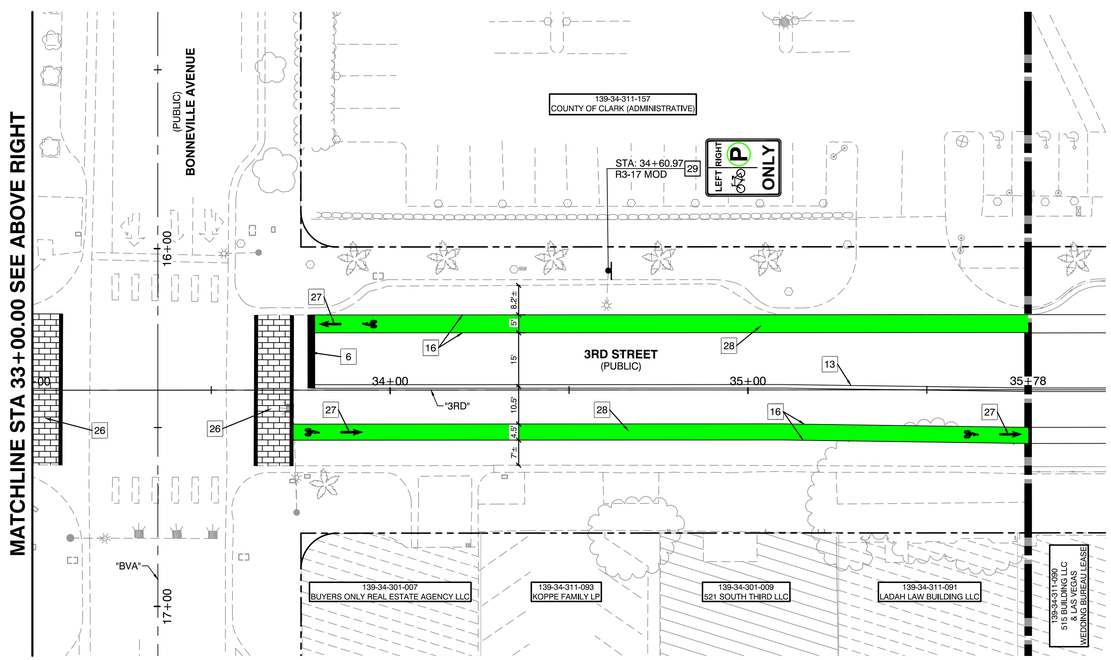
SHEET
SIGNAGE & STRIPING PLANS

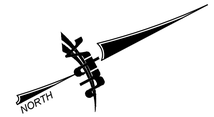
PROFESSIONAL ENGINEER — ROBERT HOSKINS III — EXP. 06/30/17 — CIVIL — No. 10112 — STATE OF NEVADA — "NOT FOR CONSTRUCTION"

SHEET
T3
38 OF 61
DRAWING NO.
--

12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(06) SIGNAGE & STRIPING PLANS\7350 3RD STREET SIGNAGE & STRIPING-PHASE 2.DWG







GRAPHIC SCALE

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(IN FEET)
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(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

LEGEND

- "NO PARKING" FIRE LANE. PAINT CURBS WITH INDUSTRIAL STRENGTH ENAMEL (SAFETY RED) WHERE INDICATED
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- 110/160 WATT LED STREET LIGHTS
- 160 WATT LED STREET LIGHT
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- PROPOSED SIGN
- 5' X 5' TREE WELL (REFER TO HARDSCAPE PLANS)
- TRASH ENCLOSURE
- BENCH (REFER TO HARDSCAPE PLANS)
- PLANTER (REFER TO HARDSCAPE PLANS)

SIGNAGE LEGEND

LEFT RIGHT
ONLY
R3–17 MOD
18" X 24"

TRAFFIC STRIPING & SIGNAGE LEGEND

- 6 INSTALL 24" SOLID WHITE STOP BAR PER CCAUSD NO. 254 (FILM)
- 13 INSTALL TYPE I CENTERLINE PER USD NO. 244 (POLYUREA).
- 16 INSTALL 6" SOLID WHITE LINE PER USD NO. 244.9 (TYPE II FILM).
- 26 INSTALL STAMPED CONCRETE CROSSWALK.
- 27 INSTALL 20-FT PREFORMED PANELS WITH INTEGRAL ARROW/BIKE SYMBOLS FOLLOWED BY SOLID GREEN PANELS.
- 28 INSTALL PREFORMED THERMOPLASTIC GREEN BIKE LANE.
- 29 INSTALL "PARKING/BIKE LANE" SIGN (R3-17 MOD) PER CCAUSD No. 249.1, SEE PLANS

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LAS VEGAS, NV 89106
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CITY OF LAS VEGAS

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SHEET
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39 OF 61
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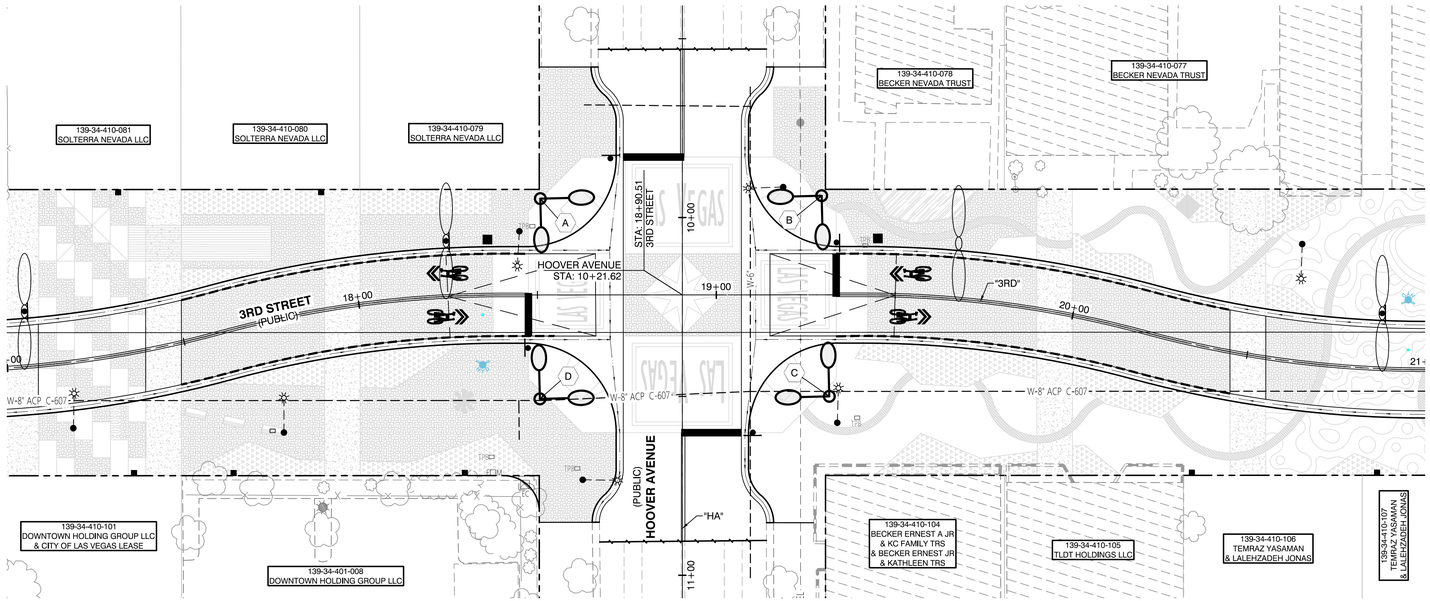

HOOVER AVENUE/3RD STREET

GRAPHIC SCALE

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(IN FEET)
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CLV - TRAFFIC NOTES

1. THE CITY OF LAS VEGAS (CLV) SHALL FURNISH THE FOLLOWING EQUIPMENT: ONE (1) POLE MOUNTED TRAFFIC SIGNAL CABINET WITH M53 CONTROLLER, LOAD BAY, LOAD SWITCHES, FLASHER AND FLASH TRANSFER RELAY; AND ONE (1) GTT MODEL 760 OPTICOM PREEMPTION RACK; THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND PICK UP OF SAID EQUIPMENT AND MATERIALS FROM THE CLV YARD, AND ALL SUBSEQUENT TRANSPORTATION THERETO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING EVERYTHING ELSE BUT NOT LIMITED TO: ALL TRAFFIC SIGNAL POLES INCLUDING ONE (1) CUSTOM XX-A TRAFFIC SIGNAL POLE FOR A POLE-MOUNTED CABINET; THE CABINET MOUNTING BRACKET AND STAND, MALFUNCTION MANAGEMENT UNIT, MODEL 764 PHASE SELECTOR CARD, THE ANCHOR BOLTS, LUMINAIRE, SIGNAL MAST ARM AND LUMINAIRE ARM AND AN AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTON CONTROL UNIT, INTERFACE PANEL AND ANY REQUIRED HARNESSES TO MATCH THE TYPE OF AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTONS THAT ARE INSTALLED ON THE SIGNAL POLES. THE CONTRACTOR SHALL INSTALL AND WIRE THE AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTON EQUIPMENT IN THE CABINET TO PROVIDE A FULLY FUNCTIONING SYSTEM AS INDICATED IN THE PLANS AND PAINTED AS SPECIFIED IN SECTION 623 OF THE SPECIAL PROVISIONS.

2. THIS PROPOSED CONTROLLER CABINETS MUST HAVE A LAYER 2 FIELD-HARDENED ETHERNET SWITCH PROVIDED, BY THE CONTRACTOR, TO RTC-FAST PER RTC UNIFORM STANDARD SPECIFICATION (USS) 684.

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6. SEE SHEET G2 FOR TRAFFIC SIGNAL GENERAL NOTES.

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DRAWN BY: ND
SUBMITTAL STAGE: **30% Submittal**
CHECKED BY: LL

DOWNTOWN PEDESTRIAN AND BICYCLE IMPROVEMENTS
3RD STREET-PHASE 2
CHARLESTON TO BONNEVILLE

SHEET
TRAFFIC SIGNAL PLANS

"NOT FOR CONSTRUCTION"
PROFESSIONAL ENGINEER
ROBERT HOSKINS III
Exp. 06/30/17
CIVIL
No. 10112
STATE OF NEVADA

SHEET
TS1
40 OF 61
DRAWING NO.
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12/21/16 H:\7350-THIRD STREET\SHEET SET\PHASE 2\(09) TRAFFIC SIGNAL PLANS\7350 3RD STREET TRAFFIC SIGNAL PLAN.DWG

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
		NUMBER OF CONDUITS																			
		CONDUIT SIZE																			
		(N)=NEW, (E)=EXISTING CONDUIT																			

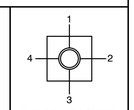
● INDICATES NEW CONDUIT RUN
○ INDICATES EXISTING CONDUIT RUN
◪ INDICATES EXISTING CONDUIT RUN WITH NEW WIRE

STREET NAME & BLOCK NUMBER SIGN SCHEDULE

POLE	STREET NAME SIGN	STREET SUFFIX	BLOCK NUMBER	CARDINAL DIRECTION	DOUBLE SIDED
A	Hoover	AVE	200 SEE NOTE 1	E	YES
B	3rd	ST	900 SEE NOTE 1	S	YES
C	Hoover	AVE	300 SEE NOTE 1	E	YES
D	3rd	ST	800 SEE NOTE 1	S	YES

POLE SCHEDULE

POLE								SIGNALS VEHICLE		SIGNALS PEDESTRIAN		PED. PUSH BUTTON		REMARKS
POLE	LOCATION STATION	TYPE	TYPE OF FOUNDATION	SIGNAL ARM QUAD.	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD.	LUMINAIRE ARM LENGTH	TYPE	QUAD.	TYPE	QUAD.	QUAD.	SIGN ARROW	



QUADRANT ARM OR SIGNAL LOCATION (TOP VIEW)

POLE NOTES

1. ALL POLE LOCATIONS ARE BASED FROM 3RD STREET CENTERLINE STATIONING.
2. TYPE "H" FOUNDATION PER USDCCA STD. DWG. NO. 721.
3. TYPE "L" FOUNDATION PER USDCCA STD. DWG. NO. 722.
4. R3-4 SIGN SHALL BE 36"x36".
5. TENON ONLY FOR FUTURE LEFT TURN.
6. TRAFFIC POLES TO BE BLACK GREEN (RAL 6012) WITH DUAL STREETLIGHTS (GARDCO CAA22L-2@90-3-160LA-CW-UNIV OR APPROVED EQUAL).
7. TYPE XX POLES PER USDCCA STD. DWG. NO. 808.
8. LUMINAIRIES FOR INTERSECTION LIGHTING TO BE FUSED IN THE CABINET.
9. OPTICAL DETECTION TO BE MOUNTED ON SIGNAL MAST ARM.
10. INSTALL STREET NAME SIGN (INTERNALLY ILLUMINATED).
11. INSTALL POLE MOUNTED CONTROLLER AND ASSEMBLY.
12. THE CONTRACTOR SHALL PROVIDE AN AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTON CONTROL UNIT, INTERFACE PANEL AND ANY REQUIRED HARNESSES TO MATCH THE TYPE OF AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTONS THAT ARE INSTALLED ON THE SIGNAL POLES. THE CONTRACTOR SHALL INSTALL AND WIRE THE AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTON EQUIPMENT IN THE CABINET TO PROVIDE A FULLY FUNCTIONING SYSTEM.
* 13. MOD. POLE PER DETAIL ON SHEET T7, CONTRACTOR TO PROVIDE POLE AND STAND (RAMSEN & SON, INC., PART # RS0969)
14. PROVIDE 10' OF SLACK IN THE CABINET OF THE STAND BASE FOR ALL TRAFFIC SIGNAL AND ILLUMINATE CONDUCTORS.
15. ALL INDICATIONS SHALL BE CIRCULAR TYPE, NO ARROW INDICATIONS.
16. INSTALL TYPE "C" FOUNDATION PER USDCCA STD. DWG. NO. 717.
17. INSTALL 1-A POLE PER USDCCA STD. DWG. NO. 806.

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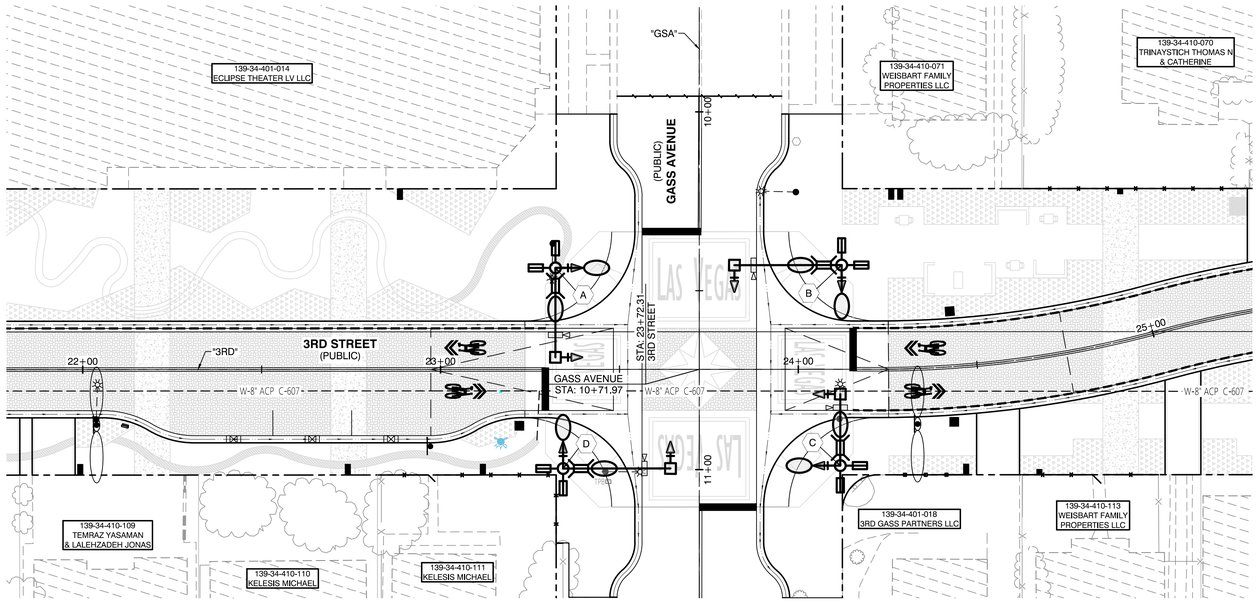
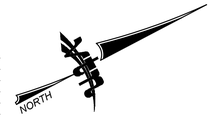


GASS AVENUE/3RD STREET



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

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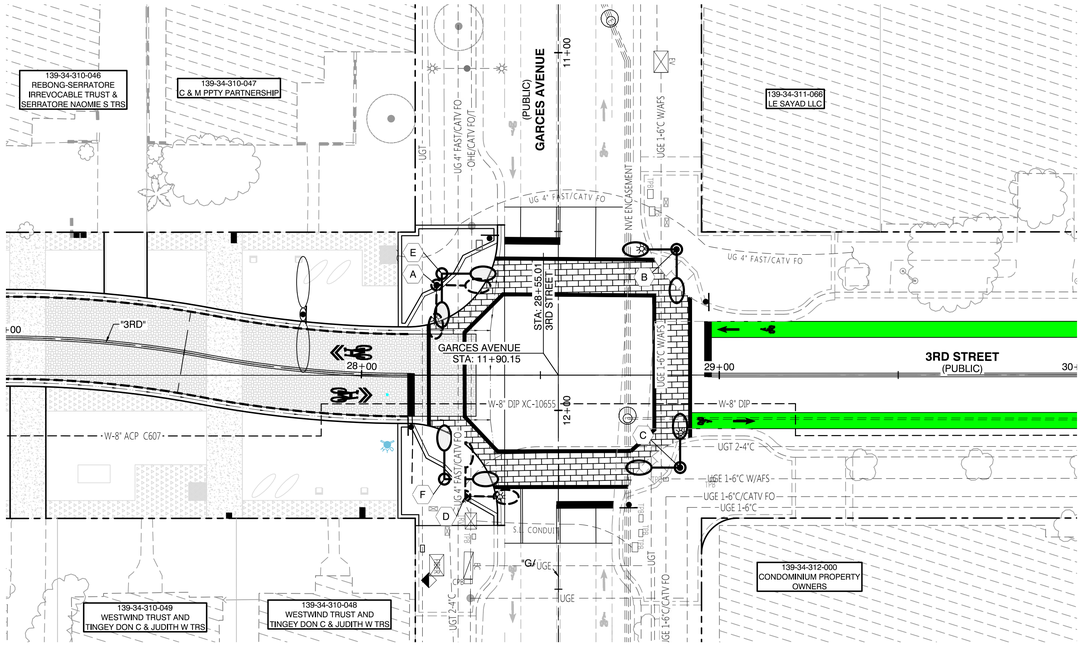

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