

DS #: 5427

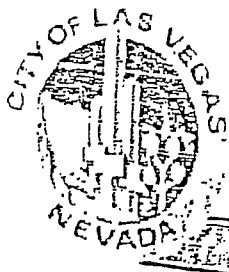
APN: 137-15-801-002 & More

PROJECT: Summerlin West V25 - Scurry Bend Drive Improvements

SUBMITTAL: 3rd

SCANNED BY/DATE:

CHECKED BY/DATE:



CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: June 3, 2021
TO: Land Development Services Department of Building & Safety		FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
SUBJECT:	Drainage Study for:	COPIES TO:
Summerlin West V25 - Scurry Bend Drive Improvements (from Sunset Run Dr. to Lake Mead Blvd.)		Atkins
Cross Streets:	Scurry Bend Drive. & Lake Mead Boulevard	Howard Hughes Company, LLC
File Number:	F:\Depot\DSMemos\DS5427C.doc	Bart Anderson, P.E., DevCo
Parcel Number:	137-15-801-002 & more	
Zoning Action:	N/A	
FEMA Flood Zone	YES NO X	
Proposed Storm Drain	YES X NO	

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	3/11/2021	3/31/2021	Not Approved	\$400.00	4198949: \$400
2 nd Submittal	4/21/2021	5/5/2021	Not Approved	\$400.00	4255233: \$400
3 rd Submittal	5/20/2021	6/3/2021	See Comments Below	\$400.00	4298724: \$400
TOTAL FEES (LDDRS):				\$1,200.00	----

REMARKS:

The Drainage Study for the subject project has been reviewed and:

X	is approved subject to conformance to all City standards and the following conditions:
	must be resubmitted or supplemented including the following:
	is conditionally approved subject to Clark County Regional Flood Control District concurrence.
	is conditionally approved subject to Clark County Public Works Department concurrence.

- The subject project is based on the premise that the downstream *Fleet Wing Avenue* and *Flight Range Avenue* and the associated storm drain facilities are in place for flood flow perpetuation. The subject improvement plans will not be finally approved prior to the posting of the construction bonds of the *Summerlin West Village 22 – Fleet Wing Avenue (Kettle Ridge to Scurry Bend)* and *Summerlin West Village 22- Flight Range Avenue (Scurry Bend to Kettle Ridge)* street improvements project.

NOTE: Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the Nevada Division of Environmental Protection a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

NOTE: Any future changes to the proposed design (or design assumptions) as outlined in the approved drainage study and attached preliminary grading plan which affect drainage must be addressed in a Drainage Study Update and accepted by the *City of Las Vegas Flood Control Section*. Additionally, conditional acceptance of a drainage study is valid for a period of one (1) year. If the proposed construction has not been completed in that time period, the *City of Las Vegas* reserves the right to require additional conditions and/or submission and acceptance of a complete drainage study update prior to further construction of a project.

END OF REMARKS
HDR/AYS

T/R/S: T20S/R59E/15
AREA K-15

Addendum #2

Summerlin West Village 25

Scurry Bend Drive: Sunset Run Drive to Lake
Mead Boulevard

Prepared for Howard Hughes Company, LLC

May 17, 2021

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL
DRAINAGE STUDY INFORMATION FORM

Name of Development: Summerlin West Village 25 Scurry Bend Drive: Sunset Run Dr to Lake Mead Blvd Date: May 17, 2021

Location of Development: a) Descriptive (Cross Streets) North/South: Scurry Bend Drive

East/West: Lake Mead Boulevard

b) Section: 23 and 14 Township: 20S Range: 59E

c) APN : 137-15-801-002, 137-15-811-001, 137-22-301-006, 137-23-211-001

Name of Owner: Howard Hughes Company, LLC

Telephone No.: (702) 791-4000 Fax No.: (702) 791-4450 E-Mail Address: april.chapman@howardhughes.com

Address: 10845 Griffith Peak Dr. Suite 160, Las Vegas, NV 89135

Contact Person-Name: Janelle Klein, PE Telephone No.: (702) 551-0365

* E-Mail Address: janelle.klein@atkinsglobal.com Fax No.: (702) 263-7200

Firm: Atkins

Address: 2270 Corporate Circle, Ste 200, Henderson, NV 89074

Type of Land Development/Land Disturbance Process:

☐	Rezoning	☐	Subdivision Map	☐	Clearing and Grading Only
☐	Parcel Map	☐	Planned Unit Development	☐	Other (Please specify below)
☐	Large Parcel Map	☐	Building Permit	☒	Street improvements

1. Total Owned Land Area: At Site: +/- 446 acres Being Developed/Disturbed: +/- 4.74 acres

2. Is a portion or all of the subject property located in a designated FEMA Flood Hazard Area? ☐ Yes** ☒ No

3. Is the property bordered or crossed by an existing or proposed Clark County Regional Flood Control District Master Planned Facility? ☐ Yes** ☒ No

4. Proposed type of development (Residential, Commercial, Etc.): Rough Grade

5. Approximate upstream land area which drains to the subject site: 225.54 acres

6. Has the site drainage been evaluated in the past? ☒ YES ☐ NO If yes, please identify documentation: Overall Master Conceptual Drainage Study for Summerlin West, Scurry Bend Rough Grade DS 5253

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: Existing CC-215 Western Beltway Channel

8. Briefly describe your proposed schedule for the subject project: ASAP



5/17/2021

Engineer's Seal

Submit this form as part of the required drainage study to the local entity which has jurisdiction over the subject property. This form may provide sufficient information to serve as the Conceptual Drainage Study.

***New Required Field**

****Review and concurrence of the Clark County Regional Flood Control District is required.**

Revision	Date
DS5427	
Local Entity File No.	

REFERENCE:

STANDARD FORM 1

Engineer's Certification

Atkins certifies that the information contained herein has been prepared in accordance with generally accepted engineering principles and practices, and to the best of our knowledge, is true and correct.

This letter certifies that all items in the **Addendum #2 to the Technical Drainage Study for Scurry Bend Drive: Sunset Run Drive to Lake Mead Boulevard** electronic submittal matches the paper version bound into the study.



Janelle L. Klein, PE (NV #17313)
Senior Engineer

Comment Response Letter

Your reference: DS #5427B

Albert Sung
City of Las Vegas Public Works
333 N. Rancho Dr, 7th Floor
Las Vegas, NV 89106

May 17, 2021

**RE: ADDENDUM #2 TECHNICAL DRAINAGE STUDY FOR SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE – SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD**

Dear Albert,

This letter and the attached documents have been prepared as an Addendum #2 to the *Technical Drainage Study (TDS) for Summerlin West Village 25 - Scurry Bend Drive - Sunset Run Drive to Lake Mead Boulevard*

Comment #1: *The subject project is based on the premise that the downstream Fleet Wing Avenue and Flight Range Avenue and the associated storm drain facilities are in place for flood flow perpetuation. The subject drainage study will not be finally approved prior to the posting of the construction bonds of Summerlin West Village 22 – Fleet Wing Avenue (Kettle Ridge to Scurry Bend) and Summerlin West Village 22 – Flight Range Avenue (Scurry Bend to Kettle Ridge) street improvements project.*

Comment response: Acknowledged

Comment #2: An updated *Figure 3: Interim Hydrology Workmap* for the subject study to address previous comments #4 and #5 had not been provided in the last submittal.

Comment response: An updated *Figure 3: Interim Hydrology Workmap* has been provided with this submittal.

Comment #3: Previous Comment #9: *Provide City of Las Vegas recorded drawing numbers for all existing storm drains on the grading plans.*

The format for City of Las Vegas recoded drawing number is 107Y-xxxxx or 107V-xxxxx etc. Not L20-xxxxx etc as shown in the last submittal.

Comment response: The improvement plans have been updated with the L20 or L21 project numbers for adjacent projects that have been reviewed by the City but not yet approved to mylar. The adjacent plans have not been approved to mylar so 107Y or 107V numbers are not been assigned by the City but the improvements will be constructed prior to the proposed Scurry Bend improvements.

Comment #4: Previous Comment #13: *Sheet 14/42 and Sheet 15/42: The proposed 30"-RCP mainline is too close to the street curb. Maintain a minimum of 3'-clearance between the edge of the storm drain and the lip of the concrete gutter. Review and revise accordingly.*

Clearly label the 3'-minimum requirement on the plans at the tightest location in the next submittal.

Comment response: The improvement plans have been updated to provide dimensions of the clearance from the curb to the storm drain.

Comment #5: Previous Comment #17: *Sheet 22/42 and Sheet 23/42: Discuss about whether there will be any inlets in the future Lake Mead Boulevard upstream of the intersection with Scurry Bend Drive. If there are none and to meet the 600'-maximum spacing requirement for inlets, the storm drain may need to be extended from SDMH #7 and two nominal inlets be provided in the vicinity of the intersection of the two roadways.*

The response is that there will be a drop inlet in Lake Mead Boulevard upstream of the intersection with Scurry Bend Drive. Show as such in the inlet on sheet 22/42 and Sheet 23/42 as "Future" in the next submittal.

Comment response: The Master Drainage Plan for Lake Mead Boulevard: Kettle Ridge Drive to Scurry Bend Drive was provided in the previous submittal to show the prop inlets that will be provided to collect flow in Lake Mead Boulevard. A note has been added to the Scurry Bend Drive improvement plans referencing the Future Drop Inlets on Lake Mead Boulevard that will intercept offsite flow in the Ultimate condition.

Comment #6: Previous Comment #18: *Indicate the length and depth of the inlets on all pertinent plans. Any inlets deeper than 10' require City Building & Safety Department review and approval of the structural design and calculations.*

It is still not clear what's the depth of SDDI #4.

Comment response: The drop inlet labels on the Sheet 24: Storm Drain Lateral Profiles have been updated with that specify the inlet length and depth.

Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the Nevada Division of Environmental Protection a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

Comment response: Acknowledged

Please contact our office at 702-551-0365 or email me at Janelle.Klein@atkinsglobal.com if you have any question regarding this submittal.

Sincerely,
Atkins,



Janelle L. Klein, PE (NV #17313)
Senior Engineer

CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		May 5, 2021
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Parcel Number:	137-15-801-002 & more	
Zoning Action:	N/A	
FEMA Flood Zone	YES NO X	
Proposed Storm Drain	YES X NO	

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Clearly label the 3'-minimum requirement on the plans at the tightest location in the next submittal.

5. **Previous Comment #17:** *Sheet 22/42 and Sheet 23/42: Discuss about whether there will be any inlets in the future Lake Mead Boulevard upstream of the intersection with Scurry Bend Drive. If there are none and to meet the 600'-maximum spacing requirement for inlets, the storm drain may need to be extended from SDMH #7 and two nominal inlets be provided in the vicinity of the intersection of the two roadways.*

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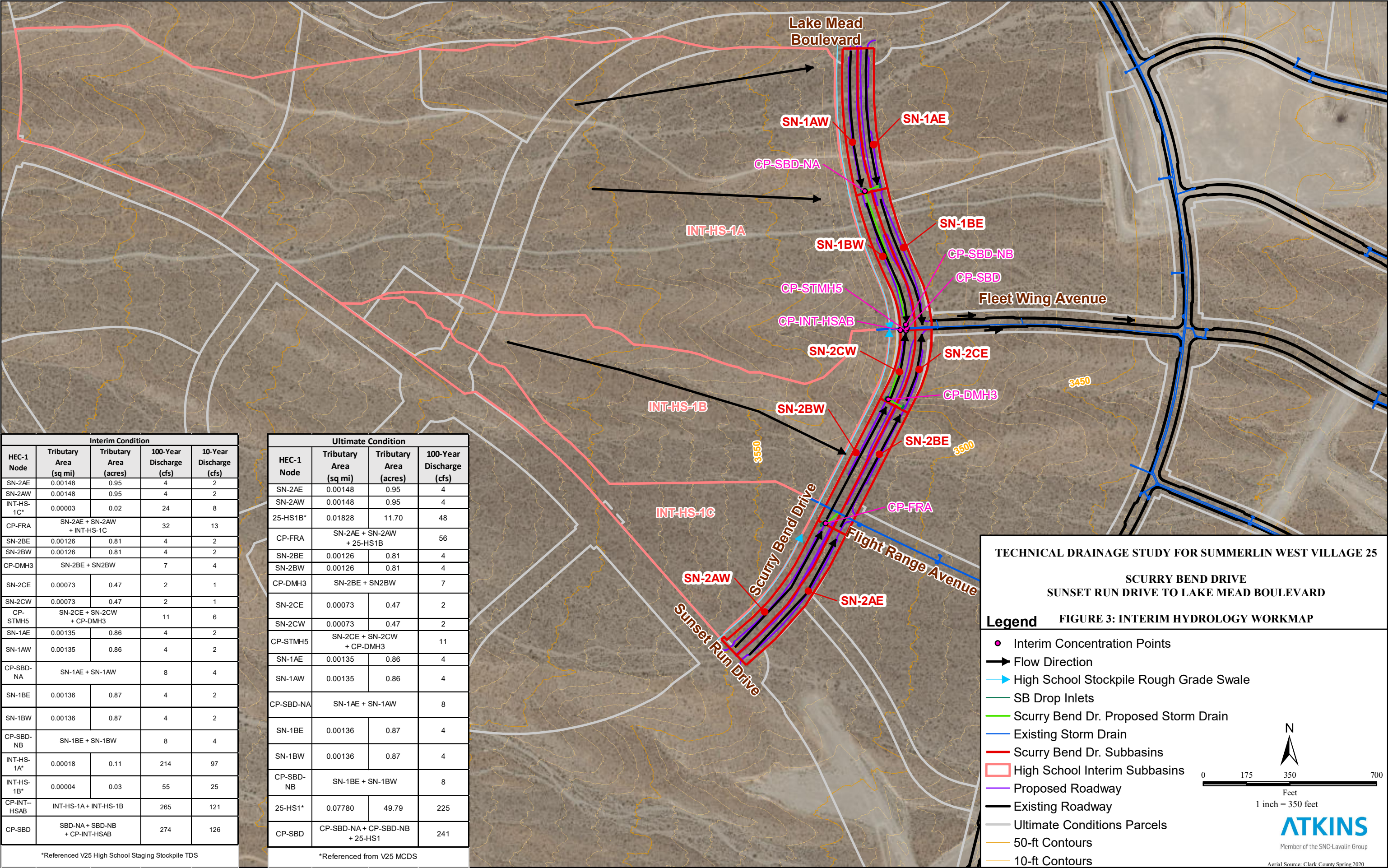
6. **Previous Comment #18:** *Indicate the length and depth of the inlets on all pertinent plans. Any inlets deeper than 10' require City Building & Safety Department review and approval of the structural design and calculations.*

It is still not clear what's the depth of SDDI #4?

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END OF REMARKS
HDR/AYS

T/R/S: T20S/R59E/15
AREA K-15



Interim Condition				
HEC-1 Node	Tributary Area (sq mi)	Tributary Area (acres)	100-Year Discharge (cfs)	10-Year Discharge (cfs)
SN-2AE	0.00148	0.95	4	2
SN-2AW	0.00148	0.95	4	2
INT-HS-1C*	0.00003	0.02	24	8
CP-FRA	SN-2AE + SN-2AW + INT-HS-1C		32	13
SN-2BE	0.00126	0.81	4	2
SN-2BW	0.00126	0.81	4	2
CP-DMH3	SN-2BE + SN2BW		7	4
SN-2CE	0.00073	0.47	2	1
SN-2CW	0.00073	0.47	2	1
CP-STMH5	SN-2CE + SN-2CW + CP-DMH3		11	6
SN-1AE	0.00135	0.86	4	2
SN-1AW	0.00135	0.86	4	2
CP-SBD-NA	SN-1AE + SN-1AW		8	4
SN-1BE	0.00136	0.87	4	2
SN-1BW	0.00136	0.87	4	2
CP-SBD-NB	SN-1BE + SN-1BW		8	4
INT-HS-1A*	0.00018	0.11	214	97
INT-HS-1B*	0.00004	0.03	55	25
CP-INT-HSAB	INT-HS-1A + INT-HS-1B		265	121
CP-SBD	SBD-NA + SBD-NB + CP-INT-HSAB		274	126

*Referenced V25 High School Staging Stockpile TDS

Ultimate Condition			
HEC-1 Node	Tributary Area (sq mi)	Tributary Area (acres)	100-Year Discharge (cfs)
SN-2AE	0.00148	0.95	4
SN-2AW	0.00148	0.95	4
25-HS1B*	0.01828	11.70	48
CP-FRA	SN-2AE + SN-2AW + 25-HS1B		56
SN-2BE	0.00126	0.81	4
SN-2BW	0.00126	0.81	4
CP-DMH3	SN-2BE + SN2BW		7
SN-2CE	0.00073	0.47	2
SN-2CW	0.00073	0.47	2
CP-STMH5	SN-2CE + SN-2CW + CP-DMH3		11
SN-1AE	0.00135	0.86	4
SN-1AW	0.00135	0.86	4
CP-SBD-NA	SN-1AE + SN-1AW		8
SN-1BE	0.00136	0.87	4
SN-1BW	0.00136	0.87	4
CP-SBD-NB	SN-1BE + SN-1BW		8
25-HS1*	0.07780	49.79	225
CP-SBD	CP-SBD-NA + CP-SBD-NB + 25-HS1		241

*Referenced from V25 MCDS

Appendices

Atkins

2270 Corporate Circle
Suite 200
Henderson, NV 89074-7755

Tel: +1 702 263 7275/+1 800 483 6244

Fax: +1 702 263 7200

Direct: +1 702 551 0365

Janelle.Klein@atkinsglobal.com

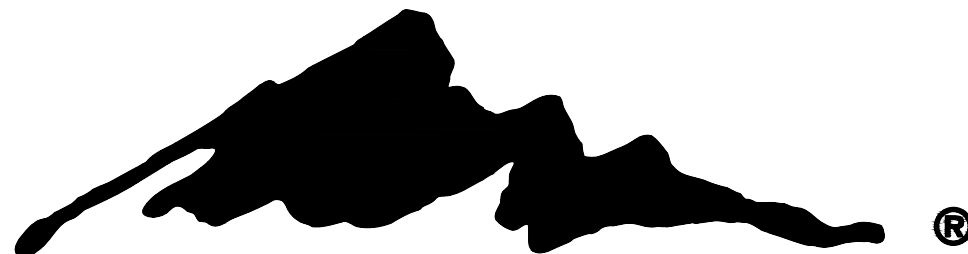
SHEET INDEX		
1	COVER SHEET	
2	LEGEND AND ABBREVIATIONS	
3	GENERAL NOTES	
4	HORIZONTAL CONTROL PLAN	
5	MASTER DRAINAGE PLAN	
6	MASTER WATER PLAN	
7	MASTER SEWER PLAN	
8	ROADWAY GRADING PLAN	BEGIN TO STA 13+00
9	ROADWAY PLAN & PROFILE	BEGIN TO STA 13+00
10	ROADWAY GRADING PLAN	STA 13+00 TO STA 17+00
11	ROADWAY PLAN & PROFILE	STA 13+00 TO STA 17+00
12	ROADWAY GRADING PLAN	STA 17+00 TO STA 21+00
13	ROADWAY PLAN & PROFILE	STA 17+00 TO STA 21+00
14	ROADWAY GRADING PLAN	STA 21+00 TO STA 25+00
15	ROADWAY PLAN & PROFILE	STA 21+00 TO STA 25+00
16	ROADWAY GRADING PLAN	STA 25+00 TO STA 29+00
17	ROADWAY PLAN & PROFILE	STA 25+00 TO STA 29+00
18	ROADWAY GRAADING PLAN	STA 29+00 TO STA 33+00
19	ROADWAY PLAN & PROFILE	STA 29+00 TO STA 33+00
20	ROADWAY GRADING PLAN	STA 33+00 TO STA 37+00
21	ROADWAY PLAN & PROFILE	STA 33+00 TO STA 37+00
22	ROADWAY GRADING PLAN	STA 37+00 TO END
23	ROADWAY PLAN & PROFILE	STA 37+00 TO END
24	STORM DRAIN LATERAL PROFILES	
25	WATER LATERAL PROFILES	
26	WATER LATERAL PROFILES	
27	SEWER LATERAL PROFILES	
28	STREETLIGHT PLAN	
29	STREETLIGHT PLAN	
30	STREETLIGHT PLAN	
31	TRAFFIC CONTROL PLAN	
32	TRAFFIC CONTROL PLAN	
33	TRAFFIC CONTROL PLAN	
34	TYPICAL SECTIONS	
35	STORM DRAIN DETAILS	
36	STREET LIGHT DETAILS	
37	WATER DETAILS	
38	FRA INTERSECTION DETAILS	
39	FWA INTERSECTION DETAILS	
40	HANDICAP PARKING DETAILS	
41	HANDICAP PARKING DETAILS	
42	HANDICAP PARKING DETAILS	

UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

CALL BEFORE YOU DIG: 1-800-642-2444

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE) PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOTE BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF THE LAS VEGAS VALLEY WATER DISTRICT FACILITIES.



SUMMERLIN®

OWNER / DEVELOPER

OWNER

CONTACT: BRIAN WALSH
HOWARD HUGHES COMPANY LLC, A DELAWARE LIMITED LIABILITY COMPANY
10845 GRIFFITH PEAK DRIVE, SUITE 160
LAS VEGAS, NEVADA 89135

BRAIN WALSH, SR. VICE PRESIDENT

DATE

ENGINEER / CONSULTANT

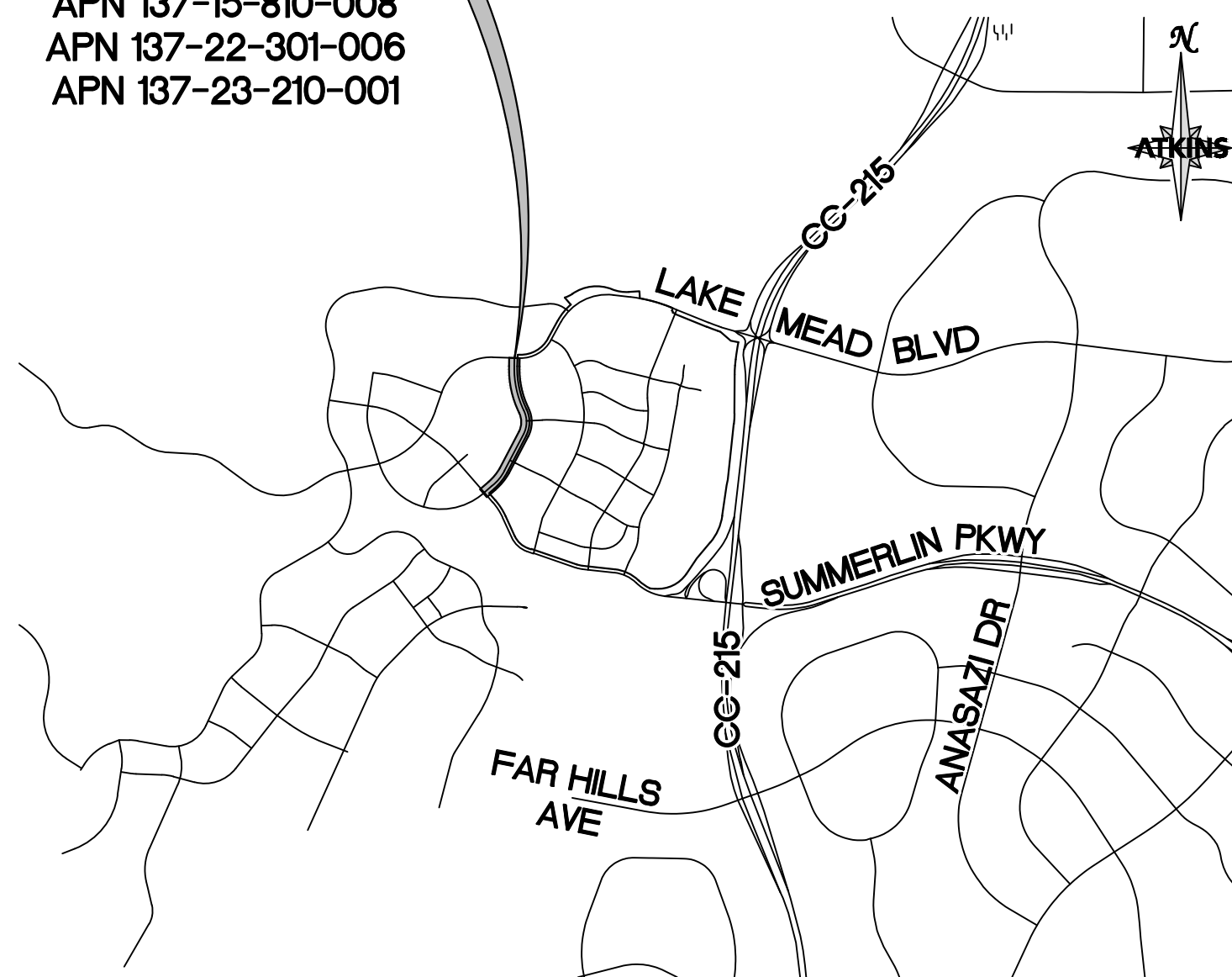
CIVIL

CONTACT: DAVID WILSON P.E.
ATKINS
2270 CORPORATE CIRCLE, SUITE 200
HENDERSON, NEVADA 89074
(702) 263-7275

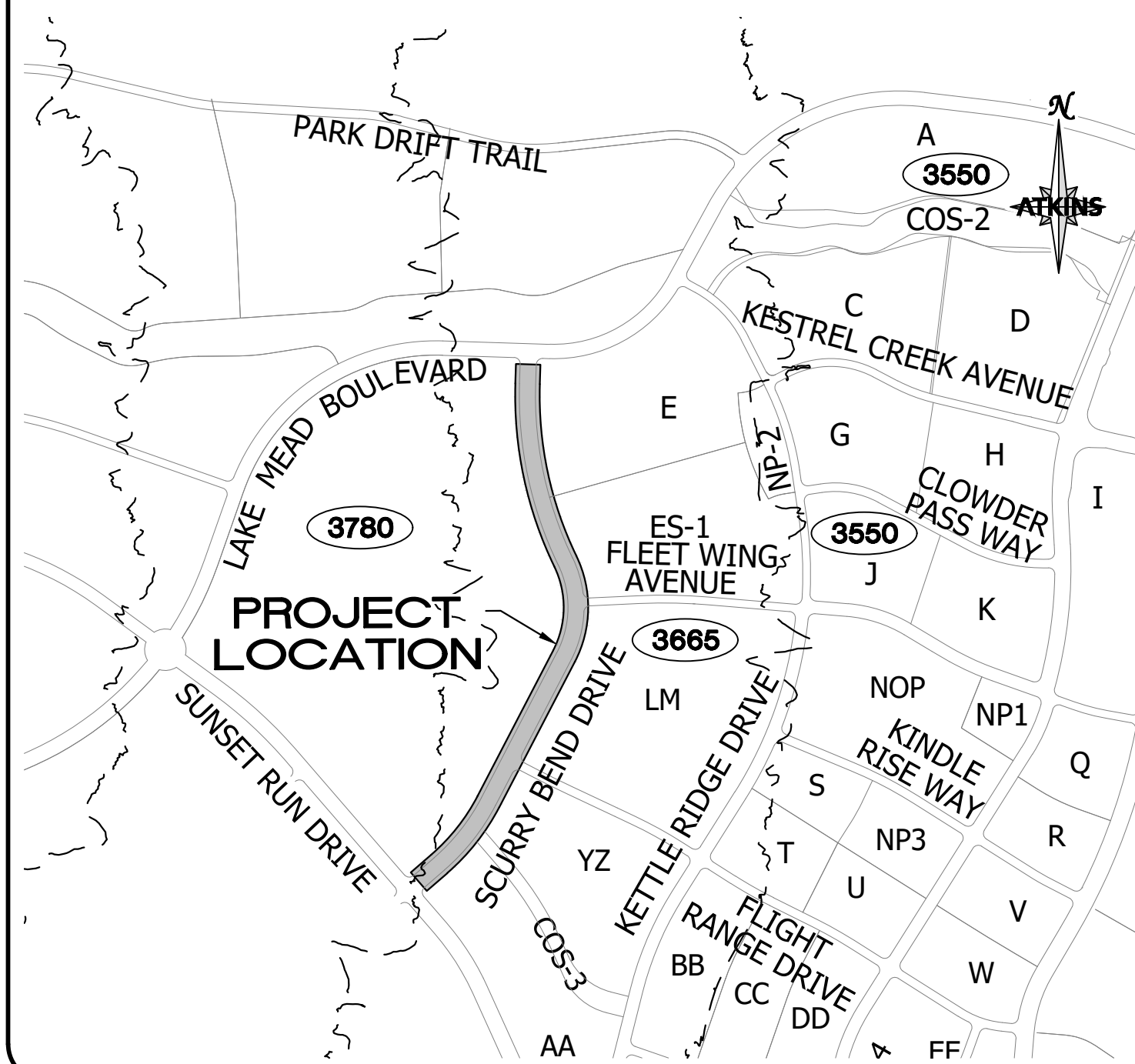
LOCATION MAP

PROJECT SITE

APN 137-15-801-002
APN 137-15-810-008
APN 137-22-301-006
APN 137-23-210-001



VICINITY MAP



APPROVALS

ENGINEERING APPROVAL STAMP

DEPARTMENT OF PLANNING

NOTE:
THIS PLAN CONFORMS TO THE APPLICABLE STANDARDS OF THE PLANNING DEPARTMENT.

LAS VEGAS FIRE AND RESCUE

CENTRAL TELEPHONE COMPANY d/b/a CENTURYLINK DATE

THE AFFIXED CENTRAL TELEPHONE COMPANY d/b/a CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES, AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING & ENGINEERING SERVICES

PROJECT NO. _____ FIRST APPROVED DATE: _____

LVVWD APPROVED FIRE FLOW _____ GPM AT 20 PSI RESIDUAL

SHEETS: _____

NV ENERGY DATE

NV ENERGY HAS ACKNOWLEDGED WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA UTILITY COMMISSION'S RULES AND REGULATIONS.

SOUTHWEST GAS CORPORATION DATE

COX COMMUNICATIONS OF LAS VEGAS, INC DATE

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS HIGH ELEVATION 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 83 (2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS HIGH ELEVATION ZONE

PROJECTION: TRANSVERSE MERCATOR

STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N

LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W

NORTHING AT GRID ORIGIN: 400,000.00 M (1,312,333.3333 FTUS)

EASTING AT CENTRAL MERIDIAN: 300,000 M (984,250.0000 FTUS)

SCALE FACTOR ON CENTRAL MERIDIAN: 1.000135 (EXACT)

NOTES:

- ALL DISTANCES AND BEARINGS SHOWN HEREON 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
- GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

BENCHMARK

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

CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2008)

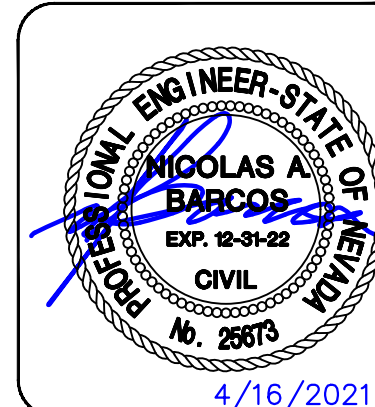
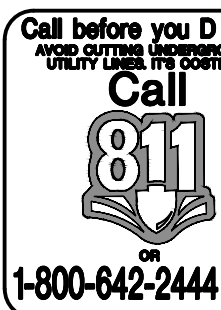
NAVD88 ELEVATION: 989.574 METERS (3,246.63 FEET)

FND USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.

T21S,R59E,S03

LEGAL DESCRIPTION

BEING A PORTION OF LOT 1 AS SHOWN ON THE MAP THEREOF IN BOOK 161 OF PLATS, PAGE 68, OFFICIAL RECORDS, CITY OF LAS VEGAS CLARK COUNTY, NEVADA



PROPOSED RIGHT-OF-WAY ACREAGE
5.42 AC.

PROPOSED DISTURBED AREA ACREAGE
4.74 AC.

GEOTECHNICAL ENGINEER
PREPARED BY: NOVA GEOTECHNICAL & INSPECTION SERVICES
4480 W. HACIENDA AVENUE, SUITE 104, LAS VEGAS, NV 89118
PHONE: 702-873-3478
PROJECT NO.: G-19-026
DATED: JUNE 18, 2020

REVISIONS

DESCRIPTION

DATE

BY

APPROVAL

REV.

ATKINS

SUMMERLIN®

SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD

COVER SHEET

DESIGNED BY:
B. MOCHTYAK

DRAWN BY:
K. HENDRY

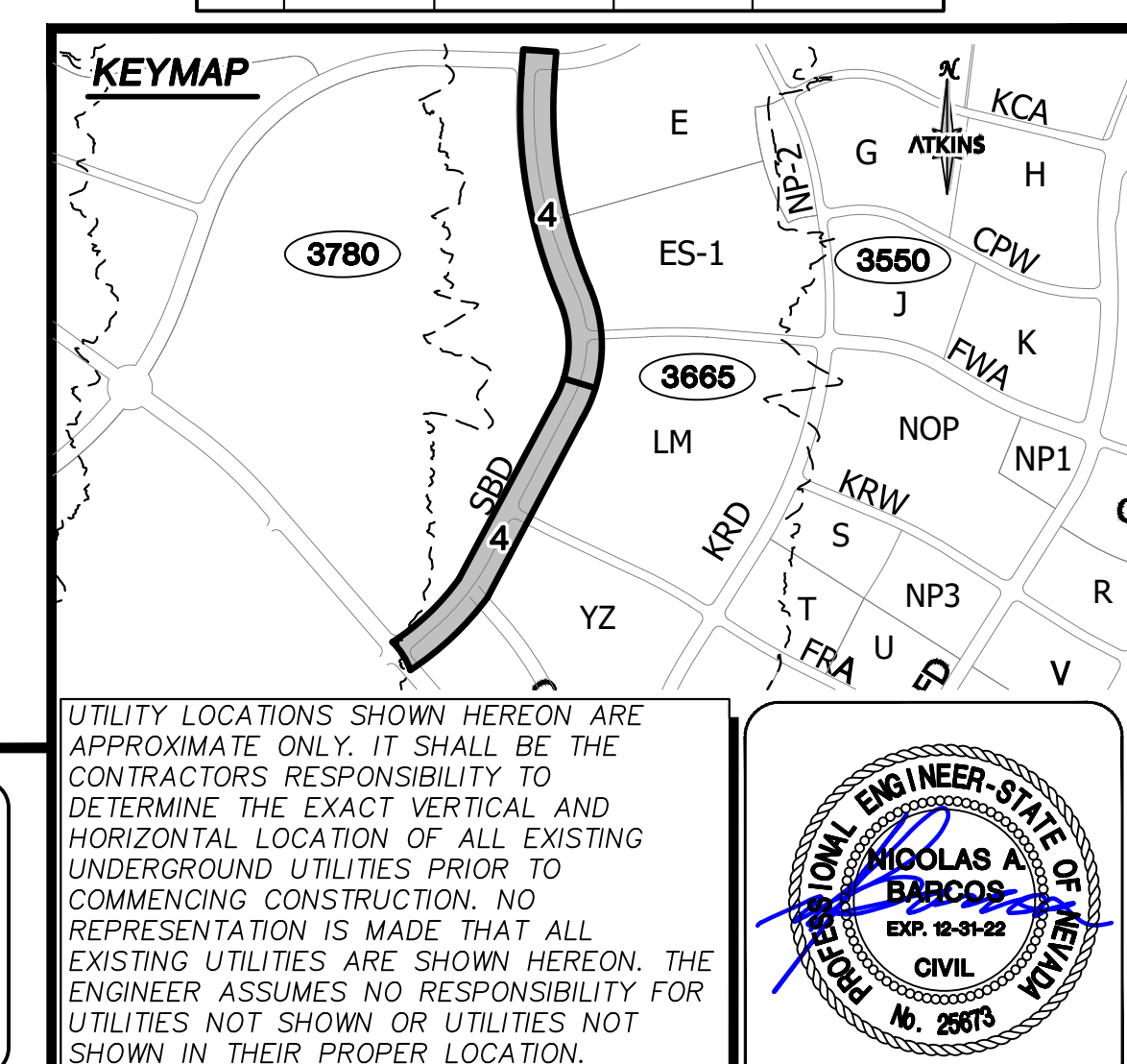
CHECKED BY:
N. BARCOS

APPROVED BY:
HORIZ: NONE
VERT: NONE

DATE: MAY 2021
DRAWING NO.:
1 / 42

JOB NO. 100069098

C:\pwwork\atkins\01\westatkins_hans1569\dms56326\69098-01-ITL-CI.dwg LAYOUT: 1 COVER SHEET May 11, 2021 2:34PM



ROADWAY NOTES

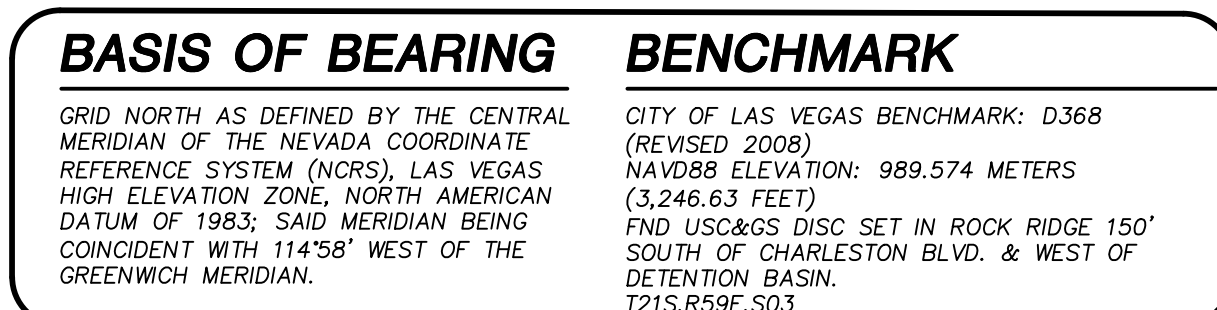
1. SEE SHEET 34 FOR TYPICAL SECTIONS, DETAILS
2. SEE SHEET 2 FOR ROADWAY ALIGNMENT ABBREVIATIONS

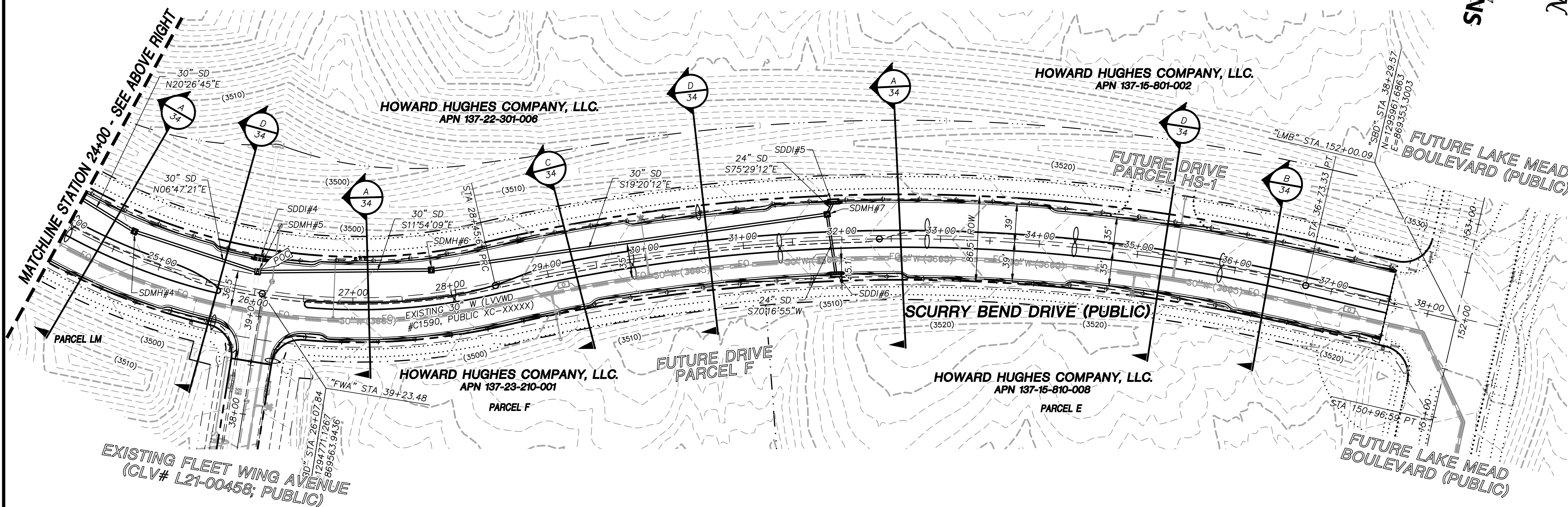
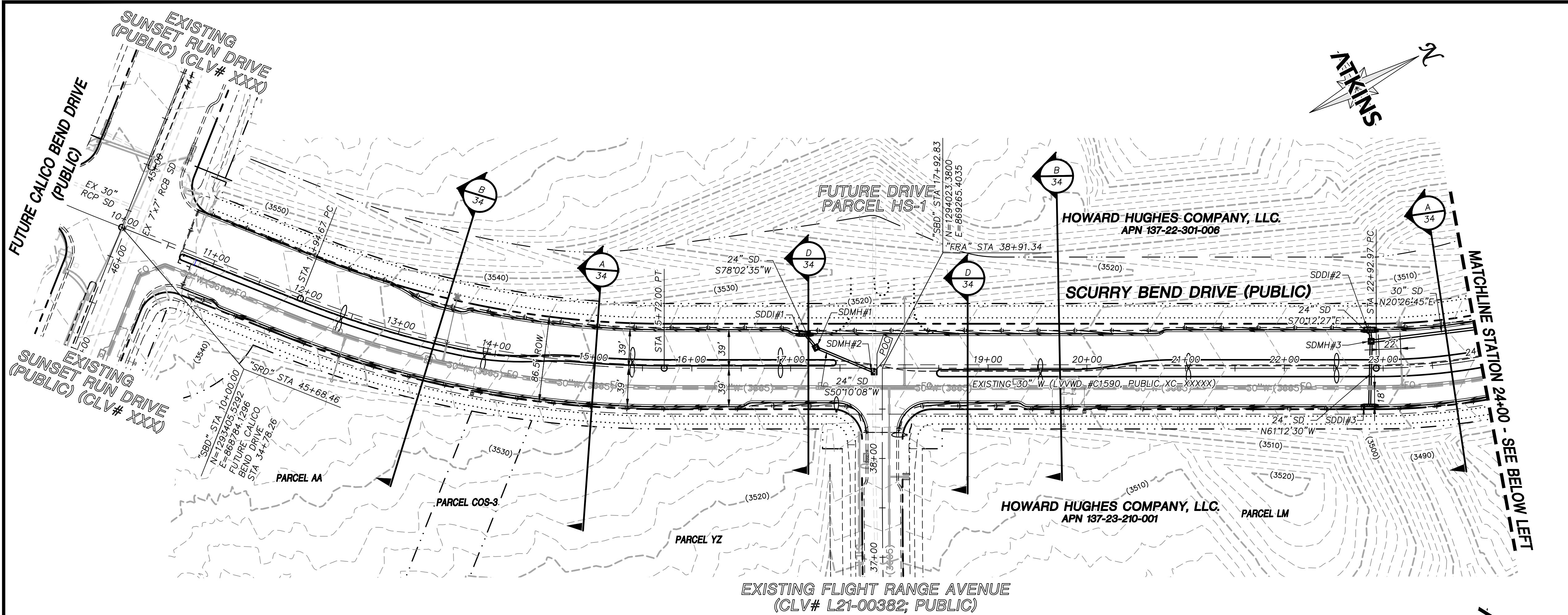
BACK OF CURB CURVE TABLE				
NO.	RADIUS	DELTA	LENGTH	TANGENT
C4	951.50'	4'23'34"	72.95'	36.49'
C5	100.00'	16'24'30"	28.64'	14.42'
C6	100.00'	20'10'07"	35.20'	17.78'
C7	961.50'	17'10'54"	19.83'	9.92'
C8	10.86'	33'31'35"	6.36'	3.27'
C9	9.85'	37'09'46"	6.39'	3.31'
C10	957.50'	11'39'02"	194.70'	97.69'
C11	10.00'	36'52'12"	6.44'	3.33'
C12	10.00'	36'52'12"	6.44'	3.33'
C13	10.00'	36'52'11"	6.43'	3.33'
C14	10.00'	36'52'12"	6.44'	3.33'
C15	571.00'	23'36'29"	235.27'	119.33'
C16	2.83'	180'00'04"	8.89'	328262.98'
C17	999.17'	9'47'09"	170.65'	85.53'
C18	300.00'	14'57'59"	78.36'	39.41'
C19	300.00'	8'03'27"	42.19'	21.13'
C20	988.17'	5'00'03"	86.25'	43.15'
C21	2.83'	178'58'44"	8.84'	317.59'
C22	3.33'	180'48'07"	10.51'	475.76'
C23	300.00'	10'28'31"	54.85'	27.50'
C24	300.00'	10'28'27"	54.84'	27.50'
C25	601.67'	19'33'13"	205.33'	103.68'
C26	1004.83'	9'47'09"	171.62'	86.02'
C27	305.66'	14'57'59"	79.84'	40.15'
C28	294.34'	8'03'27"	41.39'	20.73'
C29	993.83'	5'00'03"	86.74'	43.40'
C30	618.33'	24'23'49"	263.29'	133.67'
C31	10.00'	36'52'12"	6.44'	3.33'
C32	10.00'	36'52'12"	6.44'	3.33'
C33	1035.50'	21'41'43"	392.09'	198.42'

BACK OF CURB CURVE TABLE				
NO.	RADIUS	DELTA	LENGTH	TANGENT
C89	1768.50'	5°25'34"	167.48'	83.80'
C90	1768.50'	1°21'31"	41.94'	20.97'
C91	1768.50'	3°04'44"	95.03'	47.53'
C92	9.94'	36°58'36"	6.42'	3.33'
C93	9.92'	37°00'57"	6.41'	3.32'

BACK OF CURB CURVE TABLE				
NO.	RADIUS	DELTA	LENGTH	TANGENT
C49	9.99'	36°53'19"	6.43'	3.33'
C50	1843.74'	4°05'45"	131.80'	65.93'
C51	10.00'	36°51'05"	6.43'	3.33'
C52	10.00'	36°48'52"	6.43'	3.33'
C53	1930.56'	1°54'04"	64.06'	32.03'

BACK OF CURB CURVE TABLE				
NO.	RADIUS	DELTA	LENGTH	TANGENT
C99	9.92'	37°07'22"	6.43'	3.33'
C100	1764.50'	2°07'06"	65.24'	32.62'
C101	10.00'	36°52'12"	6.44'	3.33'
C102	10.00'	36°52'12"	6.44'	3.33'





SUMMARY OF QUANTITIES

DESCRIPTION	QUANTITY	UNIT
DRAINAGE		
24" CLASS III RCP	246	LF
30" CLASS III RCP	887	LF
48" TYPE III SD MANHOLE	7	EA
7.5' TYPE CM2 DROP INLET	6	EA

STORM DRAIN NOTES

- SEE PROFILE SHEETS FOR CONSTRUCTION NOTES AND INFORMATION RELATED TO PIPE SIZE (INNER DIAMETER), MANHOLE BASE SIZE (INSIDE DIMENSIONS), AND DROP INLET LENGTHS (CURB OPENING).
- ALL STORM DRAIN MATERIAL TO BE CLASS III REINFORCED CONCRETE PIPE, UNLESS OTHERWISE NOTED IN PROFILES.
- CONTRACTOR TO PROVIDE 6" MINIMUM OF CLEARANCE BETWEEN OUTSIDE OF PIPE TO INSIDE WALL OF STORM DRAIN STRUCTURES.

REVISIONS

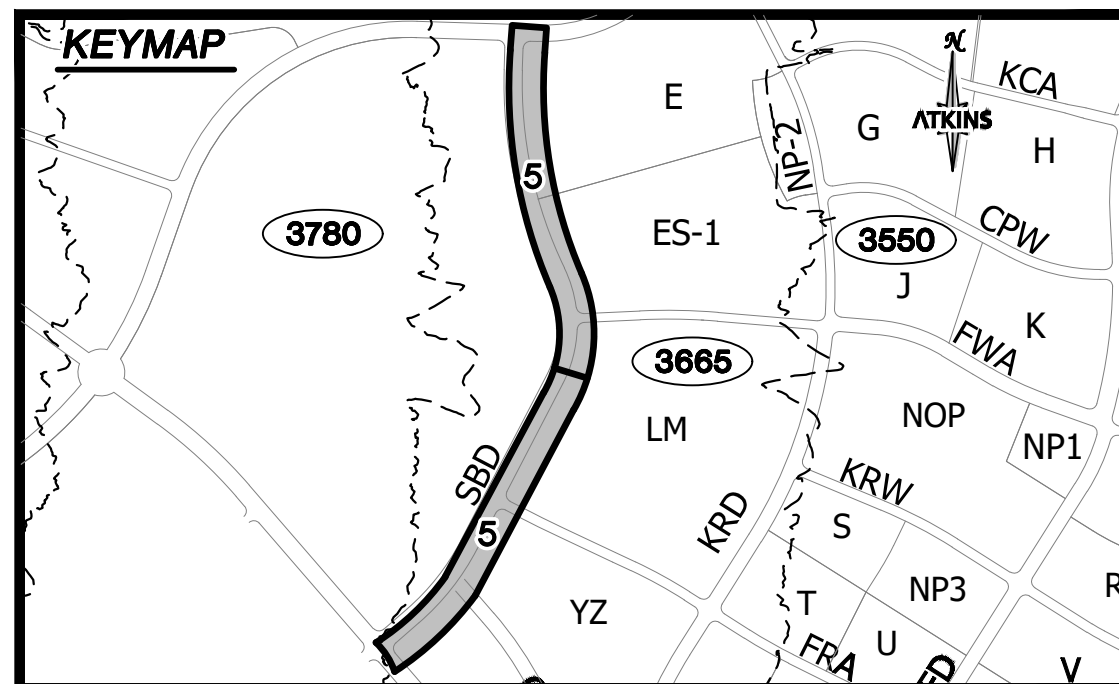
REV.	DESCRIPTION	DATE	APPROVAL

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7755
Fax: +1702.263.7200

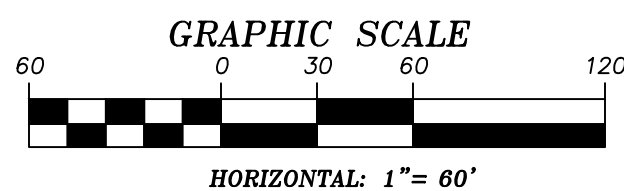
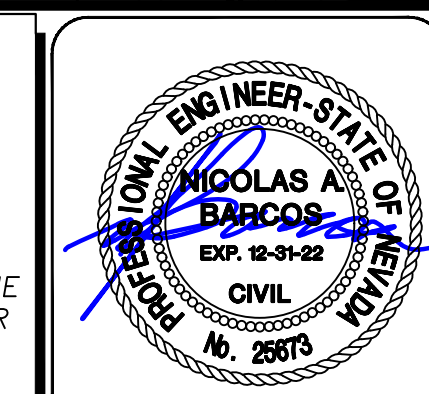
SUMMERLIN

SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD
MASTER DRAINAGE PLAN

DESIGNED BY: B. MOCHTYAK
DRAWN BY: K. HENDRY
CHECKED BY: N. BARCOS
DATE: MAY, 2021
DRAWING NO.: 5/42
JOB NO.: 100069098



UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



SOILS REPORT

BY NOVA GEOTECHNICAL
PROJECT NO. G-19-026
DATED 6/18/2020
EARTHWORK QUANTITIES (RAW):
CUT= 100 CU YDS
FILL= 5,200 CU YDS

GRADING PLAN CERTIFICATION

NICOLAS BARCOS PE#25673 DATE
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.
DS#XXX-0000

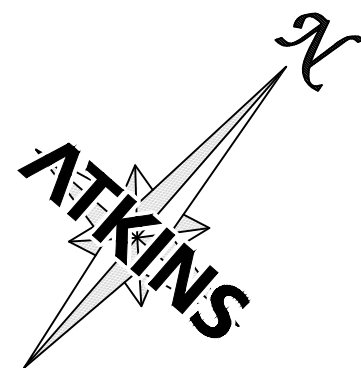
BASIS OF BEARING

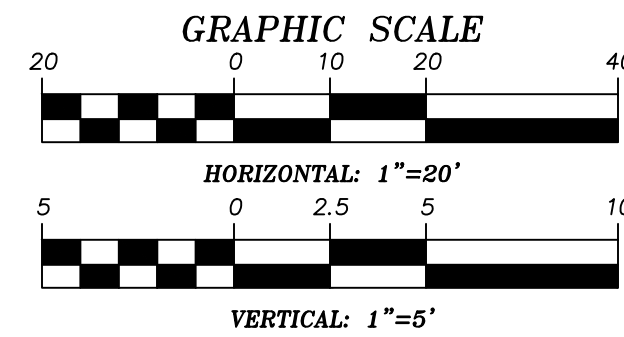
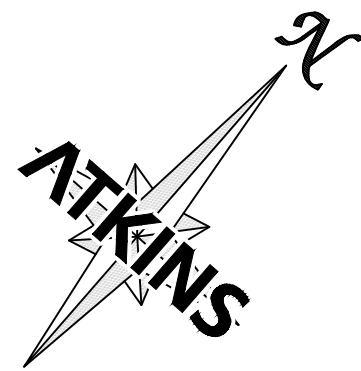
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NORS), LAS VEGAS HIGH ELEVATION ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2008)
NAVD88 ELEVATION: 989.574 METERS (3,246.63 FEET)
FND USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.
T21S,R59E,S03







X	DATE:	DRAWING
LX		

KEYMAP

The map shows a grid of lots. A central vertical strip contains lots numbered 9 through 23. To the left of this strip is lot 3780. To the right are various lots identified by letters and numbers: E, ES-1, LM, YZ, G, H, K, NOP, S, T, U, V, FRA, KRW, FWA, CPW, and KCA. Lot 3665 is located between lot 15 and lot 17, and is highlighted with a dashed border. A north arrow points towards the top right, labeled 'N' and 'ATKINS'. A street labeled 'NP-2' runs vertically through the center of the map.

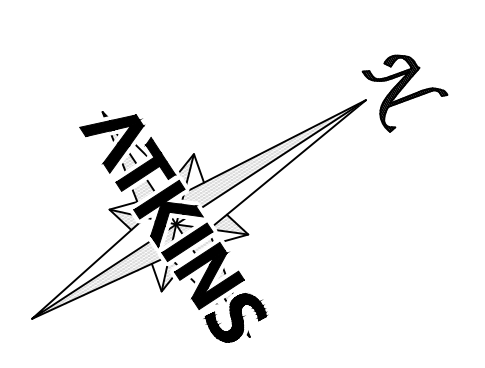
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

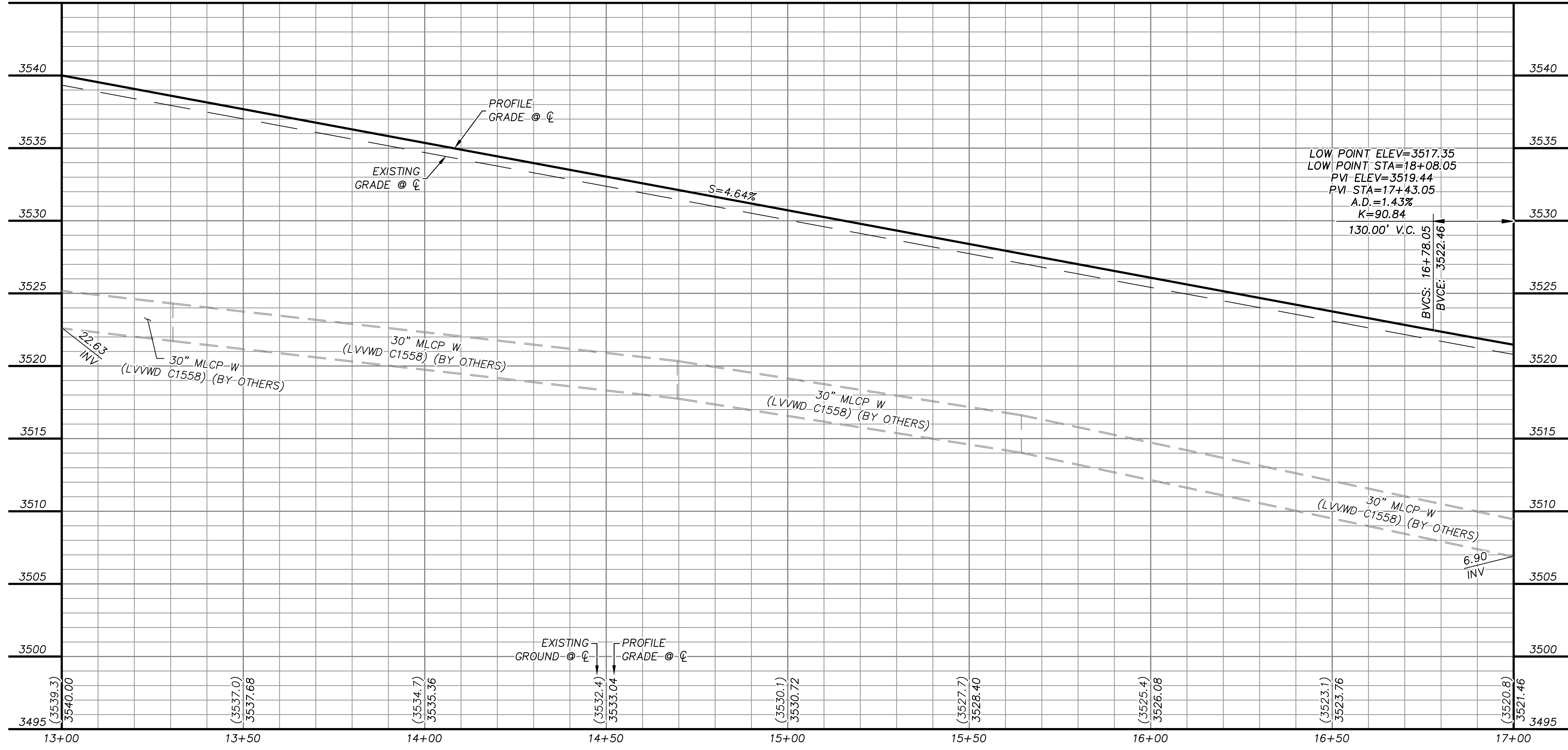
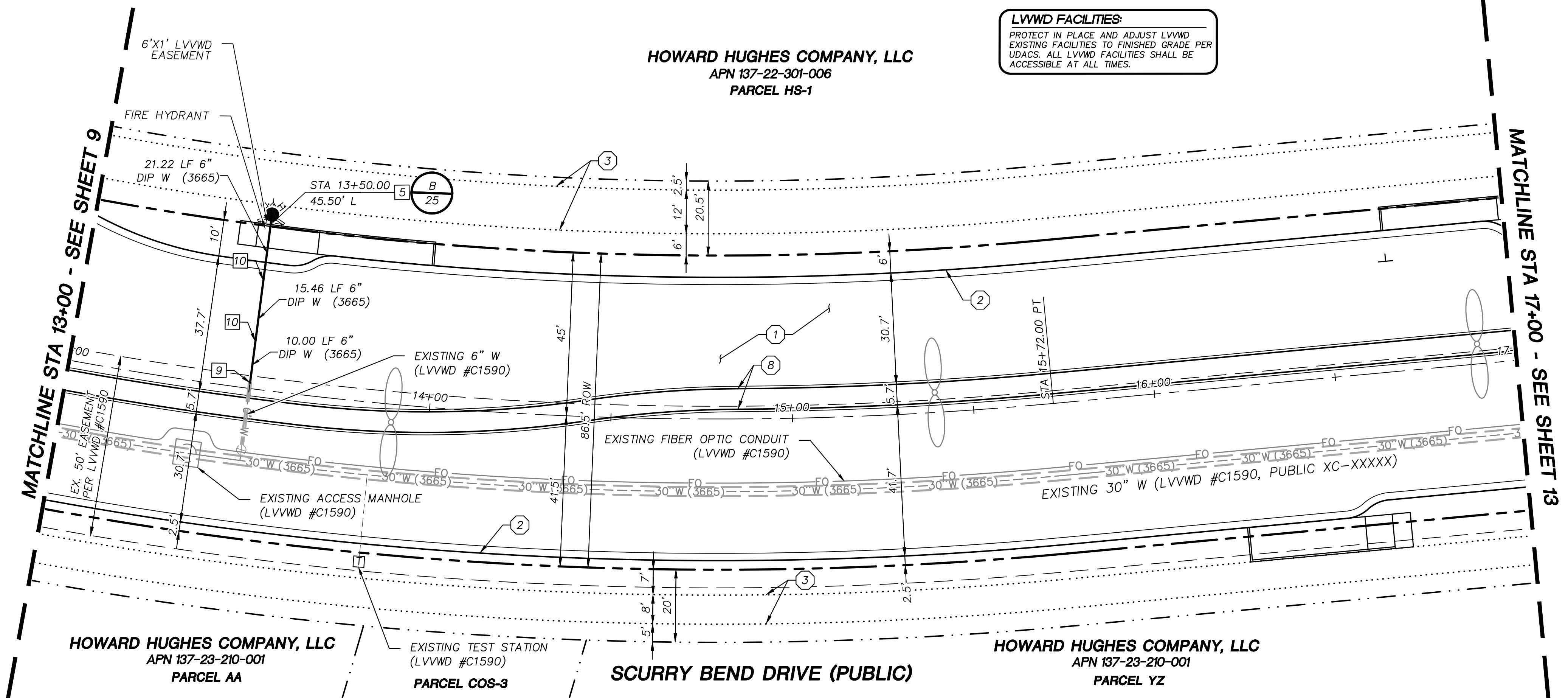
JUMMERLIN WEST VILLAGE 255
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD

ROADWAY PLAN + PROFILE
BEGIN TO STA 13+00

X	DATE:	DRAWING
LX		

C:\pw\work\atknanv01\wsatkins_hans1589\dms56326\69098-09-PLAN-P1.dwg LAYOUT: 9 ROADWAY PLAN & PROFILE May 11, 2021 - 3:04PM





STORM DRAIN CONSTRUCTION NOTES

- 1 INSTALL STORM DRAIN. SEE SHEET 3 FOR ADDITIONAL STORM DRAIN NOTES AND INFORMATION.
- 2 INSTALL TYPE "CM2" DROP INLET PER CCAUSD #412.1 & #421
- 3 INSTALL TYPE II SD MANHOLE PER CCAUSD #405.2
- 4 INSTALL TYPE III SD MANHOLE PER CCAUSD #406
- 5 INSTALL NDOT TYPE 2 DROP INLET PER NDOT R-4.2.1 (SEE SHEET 29)
- 6 STUB & PLUG STORM DRAIN FOR FUTURE CONNECTION PER MANUFACTURER'S PLUG, OR APPROVED EQUAL (SEE SHEET 35)
- 7 NOT USED
- 8 INSTALL SD JUNCTION STRUCTURE
- 9 DIRECT CONNECTION INTO RCB SEE SHEET 35 FOR DETAIL
- 10 INSTALL TYPE I SD RISER PER CCAUSD #403.1
- 11 INSTALL TYPE "CM" DROP INLET PER CCAUSD #421 & #422
- 12 INSTALL PRECAST REINFORCED CONCRETE BOX PER NDOT STANDARD 502 AND 503 SEE SHEET 35 FOR RCB INFORMATION

SEWER CONSTRUCTION NOTES

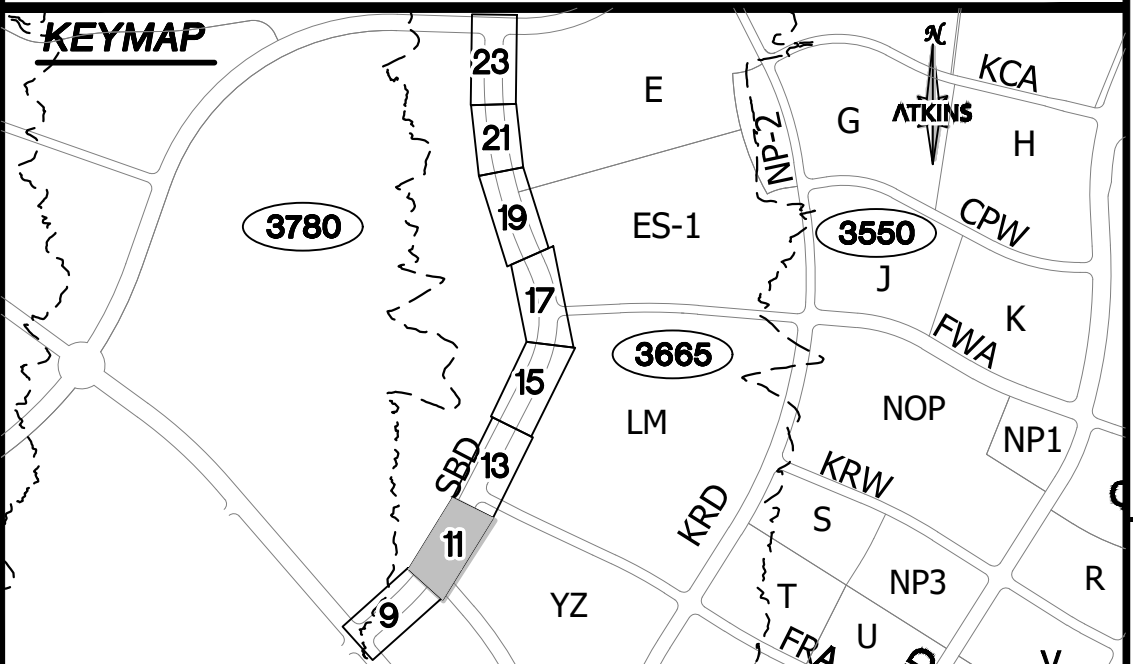
- 1 INSTALL SEWER MANHOLE PER DCSWCS SD-1A, SD-1B, AND SD-4
- 2 INSTALL SEWER MAIN PER DCSWCS SD-17
- 3 STUB AND CAP SEWER PIPE. PLACE MARKER BALL AND 4"x4" POST, DOUGLAS FIR, OVER END OF PIPE AND INSTALL THRUST BLOCK (1 CUBIC FT. MINIMUM).
- 4 CONNECT TO EXISTING SEWER MAIN

WATERLINE CONSTRUCTION NOTES

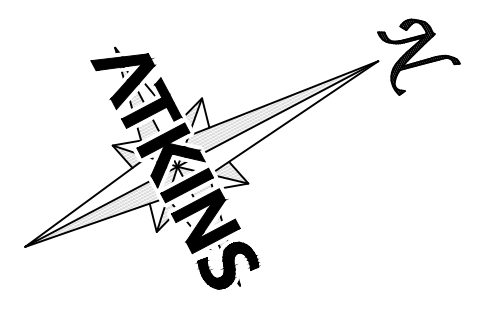
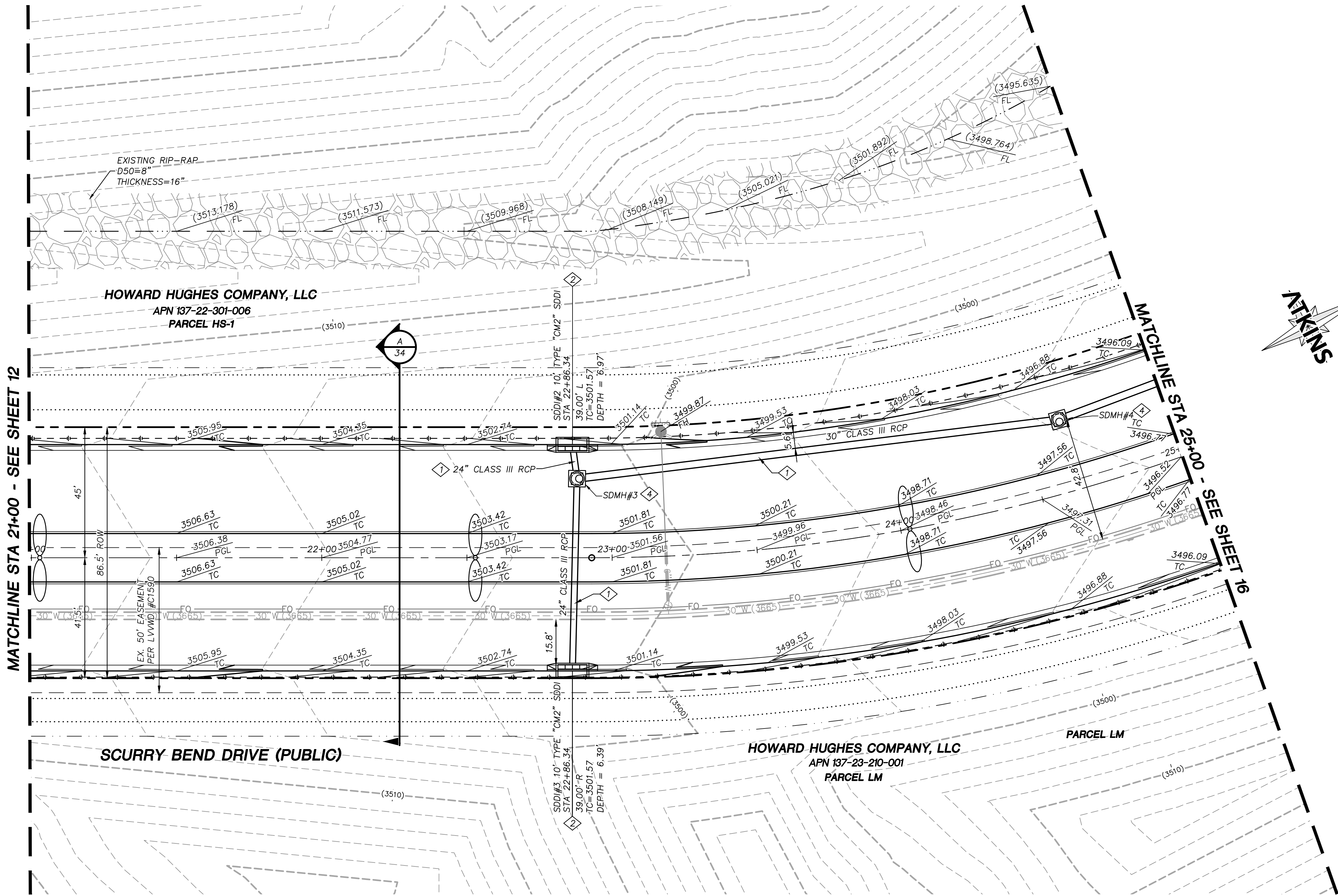
- 1 INSTALL WATER MAIN PER UDACS PLATES #17 AND PLATE #19
- 2 INSTALL GATE VALVE PER UDACS PLATES #30 AND #39
- 3 INSTALL CAP AND 2" MANUAL BLOWOFF ASSEMBLY PER UDACS PLATE #36
- 4 INSTALL TEE W/ VALVE AND LATERAL PER UDACS PLATES #17, #19, #30, #31 AND #39
- 5 INSTALL FIRE HYDRANT WITH APPURTENANCES (CONCRETE PAD, LATERAL, VALVE, AND TEE) PER UDACS PLATES #30, #31, #39, AND #40.
- 6 INSTALL DEFLECTION AT PIPE JOINTS (MAXIMUM OF 1")
- 7 INSTALL 1.5" METER WITH 1.5" RPPA PER UDACS PLATES #4 AND #8
- 8 INSTALL 1.5" SERVICE SADDLE PER UDACS PLATE #4
- 9 REMOVE CAP AND 2" BLOWOFF AND CONNECT TO EXISTING WATERLINE STUB
- 10 INSTALL VERTICAL BEND PER UDACS PLATE #31
- 11 ADJUST MANHOLE RIM AND BLOW OFF VALVE TO FINISH GRADE

ROADWAY CONSTRUCTION NOTES

- 1 CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE PER SOILS REPORT. SEE SHEET 34 FOR TYPICAL PAVEMENT SECTION.
- 2 CONSTRUCT "L" TYPE CURB AND GUTTER PER CCAUSD #216
- 3 FUTURE SIDEWALK BY OTHERS
- 4 CONSTRUCT CURB RAMP, TYPE A, PER NDOT STANDARD PLAN R-5.2.1.
- 5 CONSTRUCT 0" FLUSH CURB
- 6 TRANSITION CURB FROM FULL HEIGHT (6") TO FLUSH (0")
- 7 INSTALL SCHEDULE 40 PVC IRRIGATION SLEEVES (2-4", 1-6") PER DETAIL C ON SHEET 37.
- 8 CONSTRUCT "A" TYPE ISLAND CURB PER CCAUSD #219



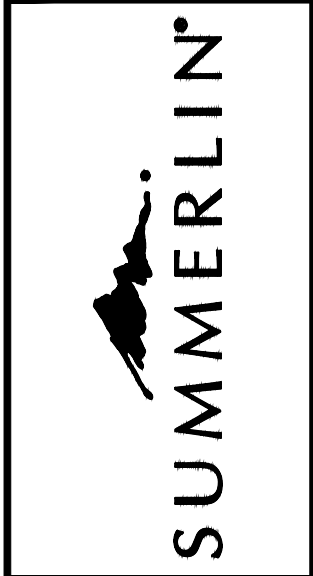




- ### STORM DRAIN CONSTRUCTION NOTES
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 7. NOT USED
 8. INSTALL SD JUNCTION STRUCTURE
 9. DIRECT CONNECTION INTO RCB SEE SHEET 35 FOR DETAIL
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 12. INSTALL PRECAST REINFORCED CONCRETE BOX PER NDOT STANDARD 502 AND 503 SEE SHEET 35 FOR RCB INFORMATION

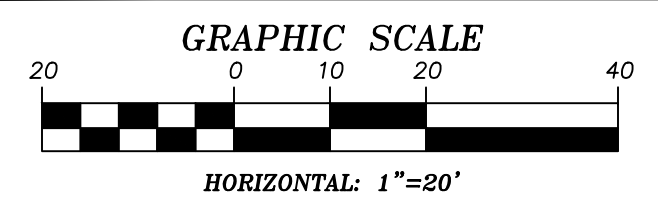
REV.		DESCRIPTION	BY	DATE	APPROVAL

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200



SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD
ROADWAY GRADING PLAN
STA 21+00 TO STA 25+00

DESIGNED BY: B. MOCHTYAK
DRAWN BY: K. HENDRY
CHECKED BY: N. BARCOS
DATE: MAY, 2021
DRAWING NO.: 14/42
JOB NO.: 100069098



GRADING PLAN CERTIFICATION

NICOLAS BARCOS PE#25673 DATE _____

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

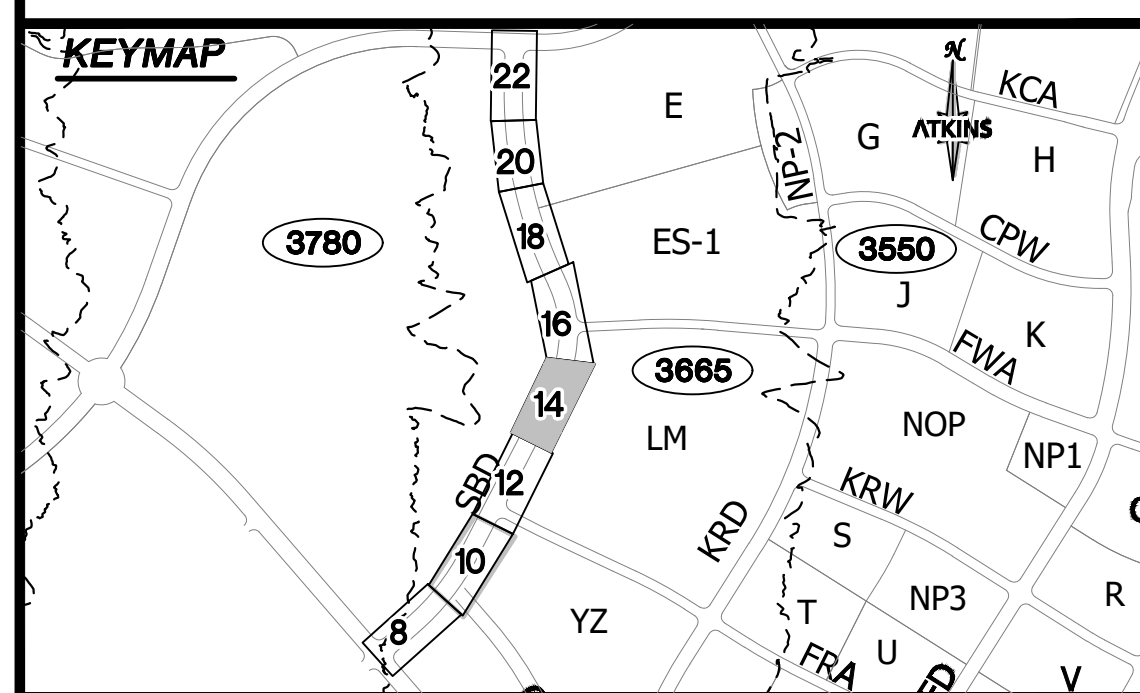
DS#XXX-0000

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

BENCHMARK
CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2008)
NAVD88 ELEVATION: 989.574 METERS (3,246.63 FEET)
FND USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.
TZ15.R59E.S03

Call before you Dig
Call 811
1-702-432-5300
1-800-642-2444

CALL BEFORE YOU DIG
1-702-227-2929



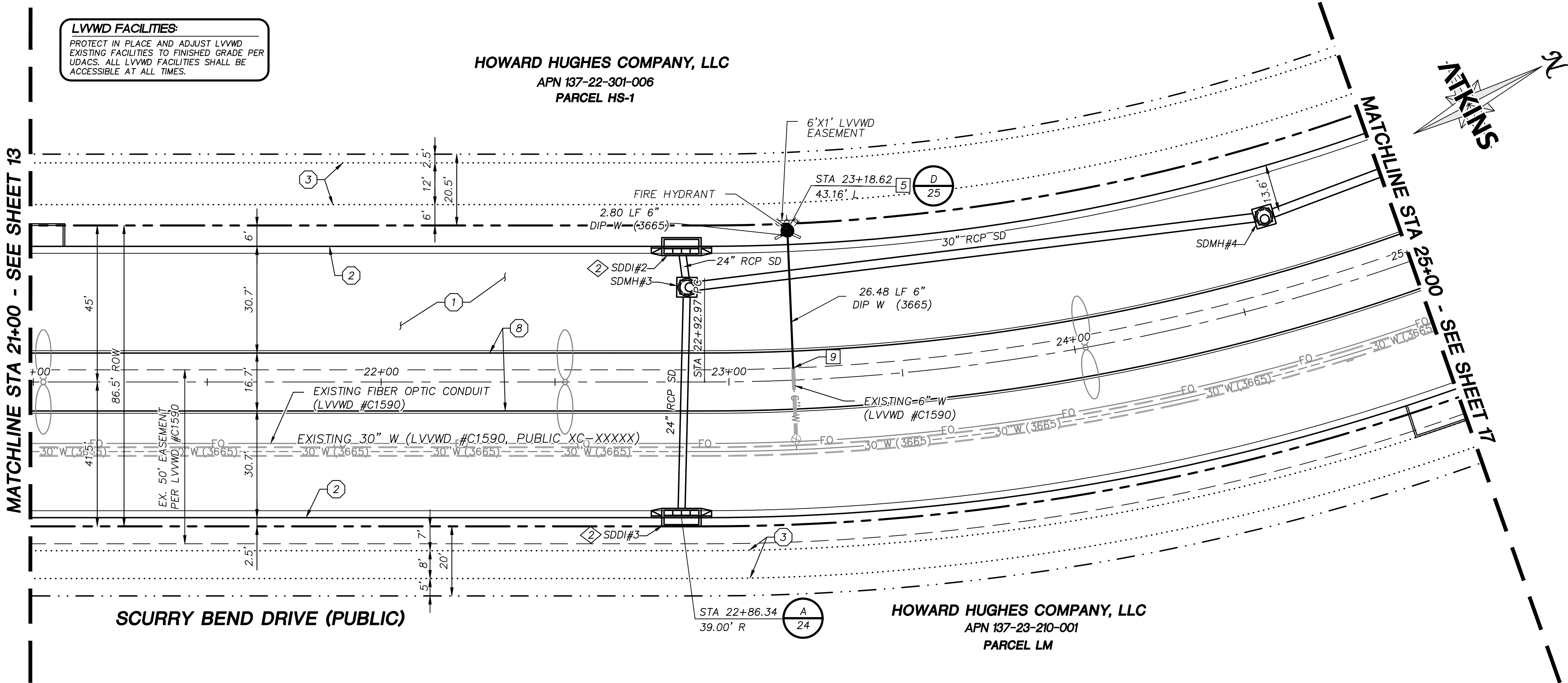
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4/16/2021

LVVWD FACILITIES:
PROTECT IN PLACE AND ADJUST LVVWD
EXISTING FACILITIES TO FINISHED GRADE PER
UDACS. ALL LVVWD FACILITIES SHALL BE
ACCESSIBLE AT ALL TIMES.

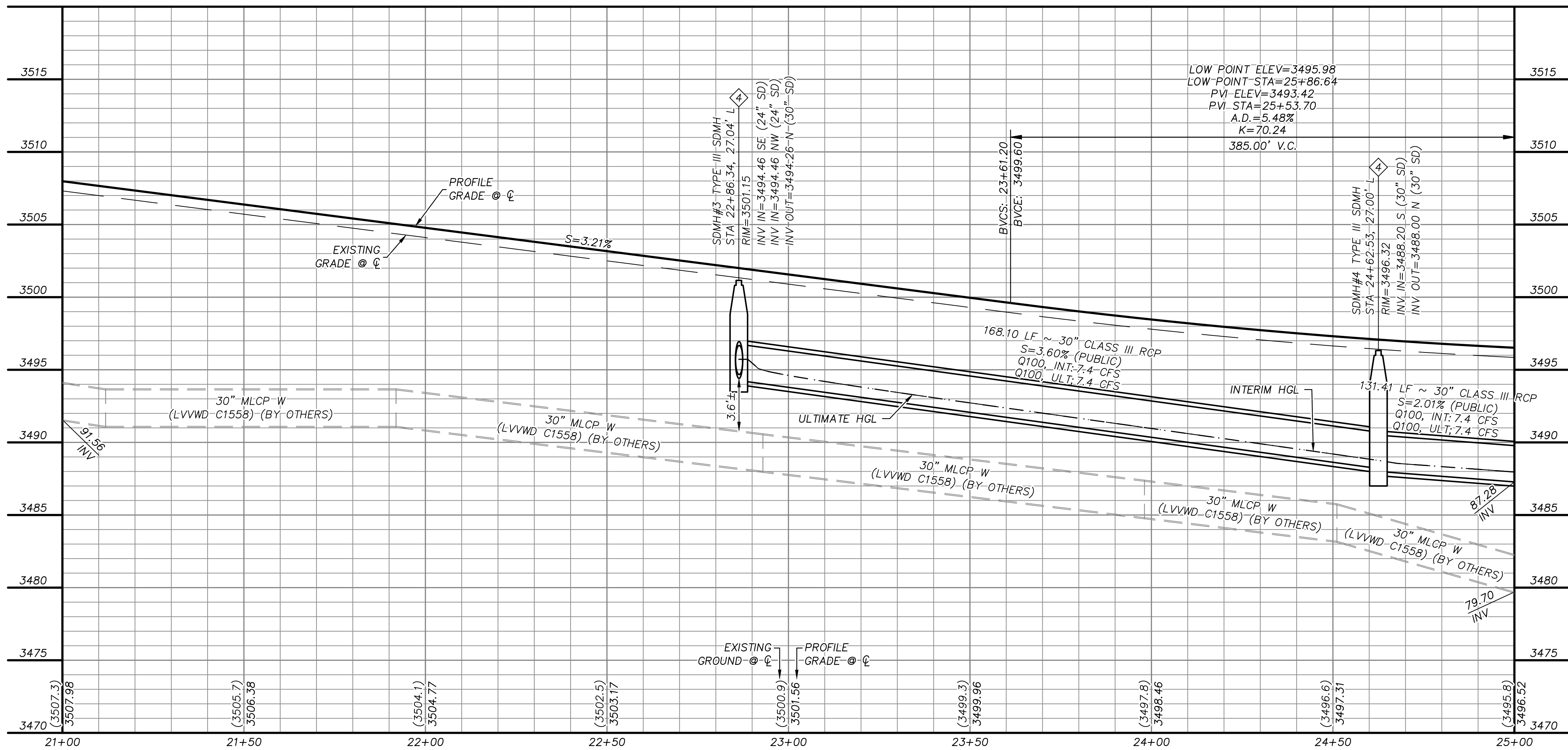
HOWARD HUGHES COMPANY, LLC
APN 137-22-301-006
PARCEL HS-1

MATCHLINE STA 21+00 - SEE SHEET 13



SCURRY BEND DRIVE (PUBLIC)

HOWARD HUGHES COMPANY, LLC
APN 137-23-210-001
PARCEL LM



STORM DRAIN CONSTRUCTION NOTES

1. INSTALL STORM DRAIN. SEE SHEET 3 FOR ADDITIONAL STORM DRAIN NOTES AND INFORMATION.
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7. NOT USED
8. INSTALL SD JUNCTION STRUCTURE
9. DIRECT CONNECTION INTO RCB SEE SHEET 35 FOR DETAIL
10. INSTALL TYPE I SD RISER PER CCAUSD #403.1
11. INSTALL TYPE "CM" DROP INLET PER CCAUSD #421 & #422
12. INSTALL PRECAST REINFORCED CONCRETE BOX PER NDOT STANDARD 502 AND 503 SEE SHEET 35 FOR RCB INFORMATION

SEWER CONSTRUCTION NOTES

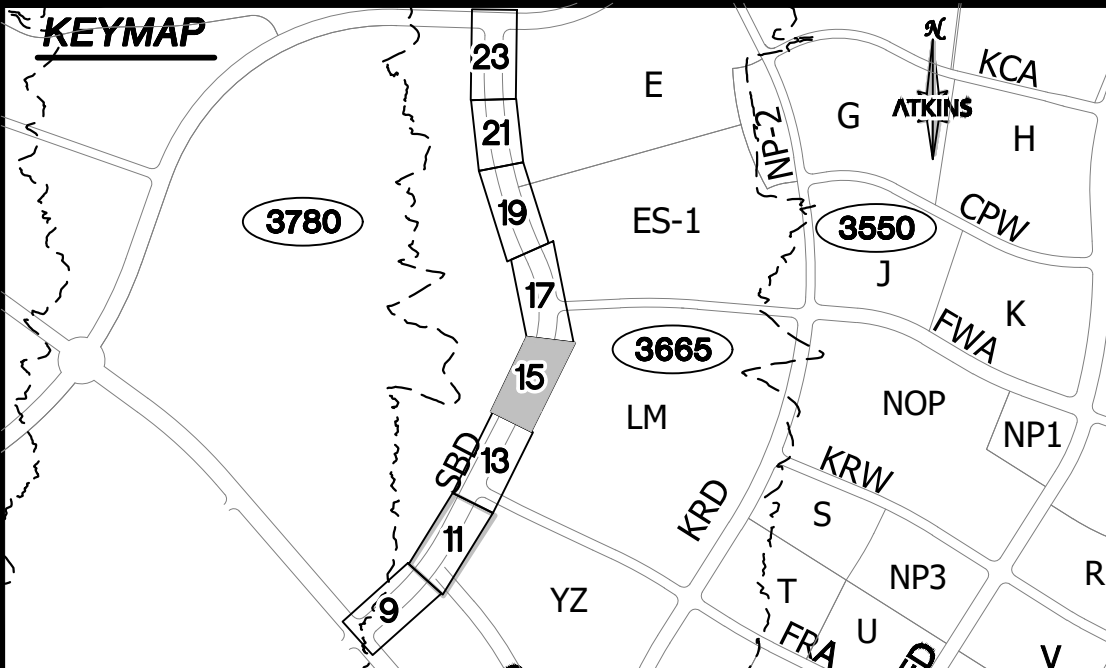
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WATERLINE CONSTRUCTION NOTES

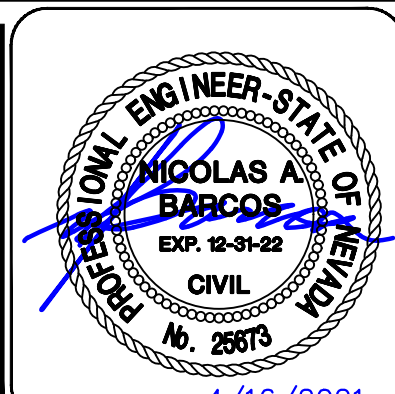
1. INSTALL WATER MAIN PER UDACS PLATES #17 AND PLATE #19
2. INSTALL GATE VALVE PER UDACS PLATES #30 AND #39
3. INSTALL CAP AND 2" MANUAL BLOWOFF ASSEMBLY PER UDACS PLATE #36
4. INSTALL TEE W/ VALVE AND LATERAL PER UDACS PLATES #17, #19, #30, #31 AND #39
5. INSTALL FIRE HYDRANT WITH APPURTENANCES (CONCRETE PAD, LATERAL, VALVE, AND TEE) PER UDACS PLATES #30, #31, #39, AND #40.
6. INSTALL DEFLECTION AT PIPE JOINTS (MAXIMUM OF 1")
7. INSTALL 1.5" METER WITH 1.5" RPPA PER UDACS PLATES #4 AND #8
8. INSTALL 1.5" SERVICE SADDLE PER UDACS PLATE #4
9. REMOVE CAP AND 2" BLOWOFF AND CONNECT TO EXISTING WATERLINE STUB
10. INSTALL VERTICAL BEND PER UDACS PLATE #31
11. ADJUST MANHOLE RIM AND BLOW OFF VALVE TO FINISH GRADE

ROADWAY CONSTRUCTION NOTES

1. CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE PER SOILS REPORT. SEE SHEET 34 FOR TYPICAL PAVEMENT SECTION.
2. CONSTRUCT "L" TYPE CURB AND GUTTER PER CCAUSD #216
3. FUTURE SIDEWALK BY OTHERS
4. CONSTRUCT CURB RAMP, TYPE A, PER NDOT STANDARD PLAN R-5.2.1.
5. CONSTRUCT 0" FLUSH CURB
6. TRANSITION CURB FROM FULL HEIGHT (6") TO FLUSH (0")
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DESIGNED BY: B. MOCHTYAK
DRAWN BY: K. HENDRY
CHECKED BY: N. BARCOS
DATE: MAY, 2021
DRAWING NO.: 15/42
VERT.: NONE

SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD
ROADWAY PLAN + PROFILE
STA 21+00 TO STA 25+00

REVISIONS

REV.	DESCRIPTION	DATE	APPROVAL

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

SUMMERLIN
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

BASIS OF BEARING

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

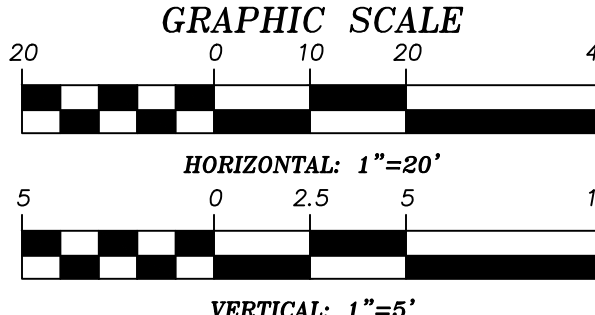
BENCHMARK

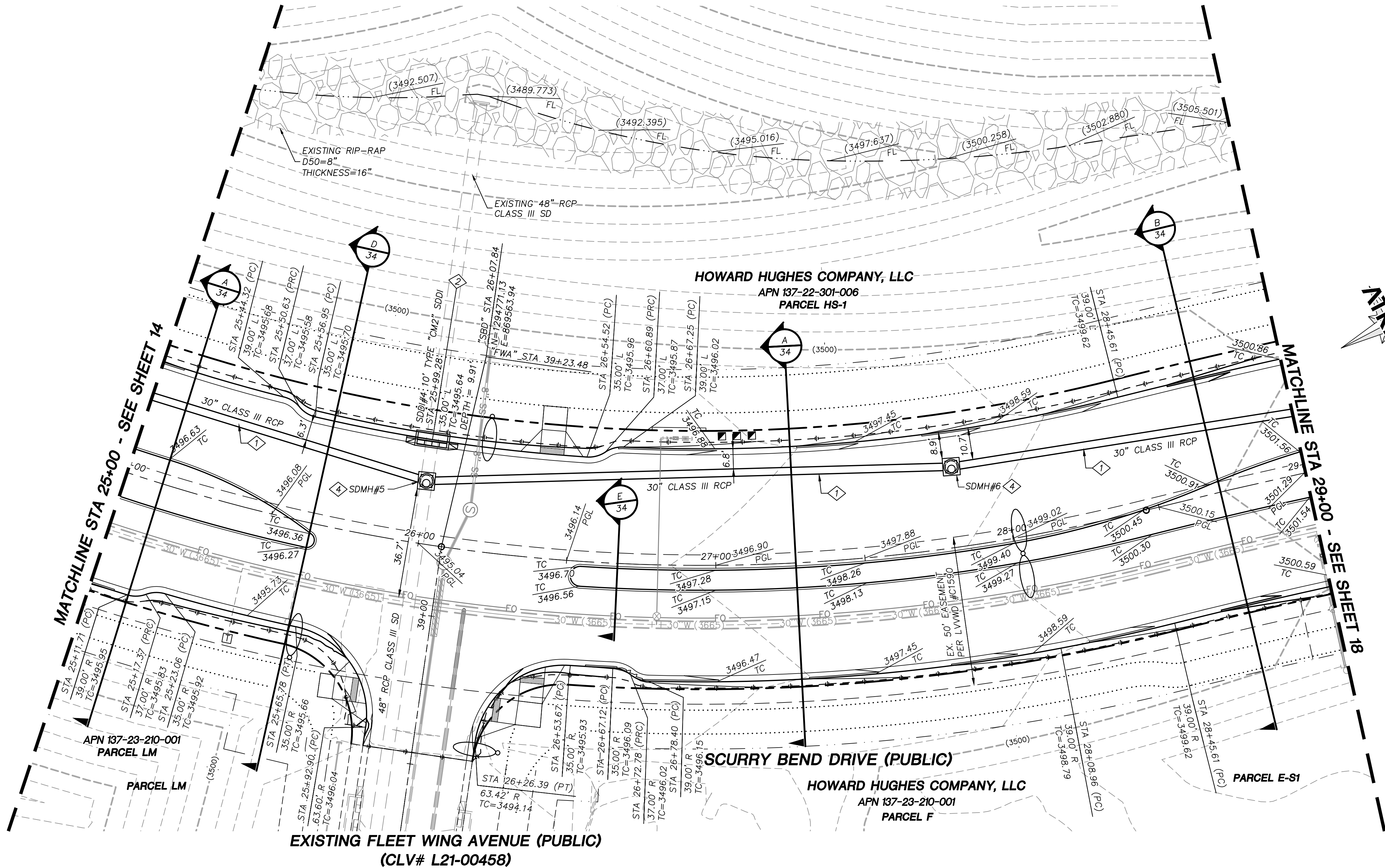
CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2008)
NAVD88 ELEVATION: 989.574 METERS (3,246.63 FEET)
FND USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.
T21S,R59E,S03



APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING AND PLANNING SERVICES
PROJECT NO. 0000000 FIRST APPROVED DATE: _____
LVVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL





- STORM DRAIN CONSTRUCTION NOTES**
1. INSTALL STORM DRAIN. SEE SHEET 3 FOR ADDITIONAL STORM DRAIN NOTES AND INFORMATION.
 2. INSTALL TYPE "CM2" DROP INLET PER CCAUSD #412.1 & #421
 3. INSTALL TYPE II SD MANHOLE PER CCAUSD #405.2
 4. INSTALL TYPE III SD MANHOLE PER CCAUSD #406
 5. INSTALL NDOT TYPE 2 DROP INLET PER NDOT R-4.2.1 (SEE SHEET 29)
 6. STUB & PLUG STORM DRAIN FOR FUTURE CONNECTION PER MANUFACTURER'S PLUG, OR APPROVED EQUAL (SEE SHEET 35)
 7. NOT USED
 8. INSTALL SD JUNCTION STRUCTURE
 9. DIRECT CONNECTION INTO RCB SEE SHEET 35 FOR DETAIL
 10. INSTALL TYPE I SD RISER PER CCAUSD #403.1
 11. INSTALL TYPE "CM" DROP INLET PER CCAUSD #421 & #422
 12. INSTALL PRECAST REINFORCED CONCRETE BOX PER NDOT STANDARD 502 AND 503 SEE SHEET 35 FOR RCB INFORMATION

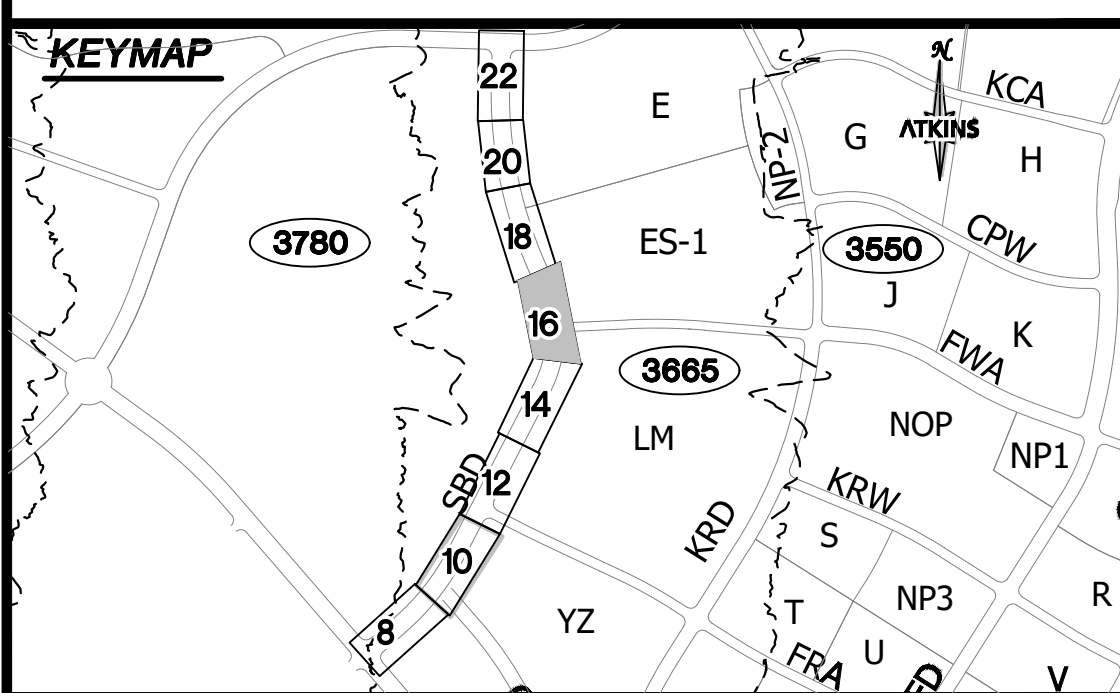
REVISIONS	
REV.	DESCRIPTION

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7725
Fax: +1702.263.7200

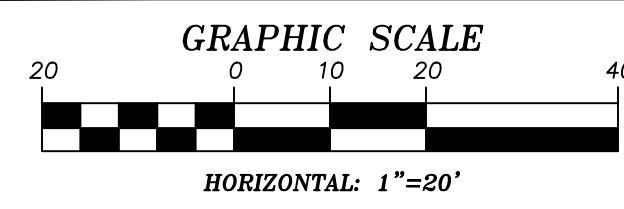
SUMMERLIN

SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD
ROADWAY GRADING PLAN
STA 25+00 TO STA 29+00

DESIGNED BY: B. MOCHTYAK
DRAWN BY: K. HENDRY
CHECKED BY: N. BARCOS
DATE: MAY, 2021
DRAWING NO.: 16/42
JOB NO.: 100069098



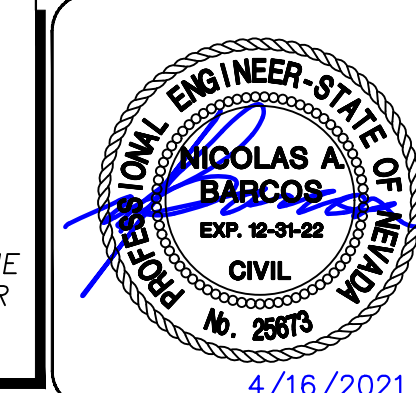
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

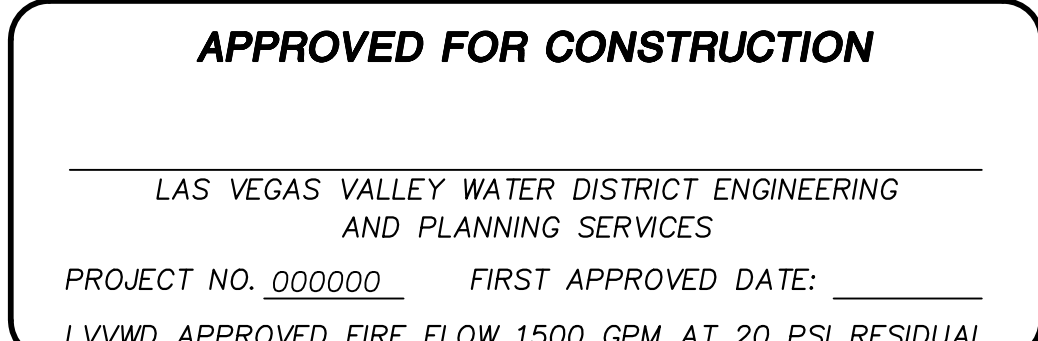
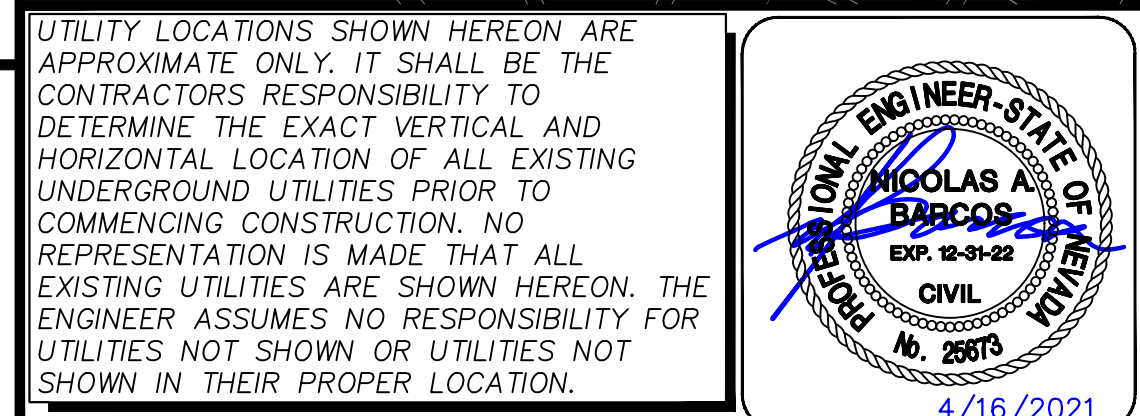
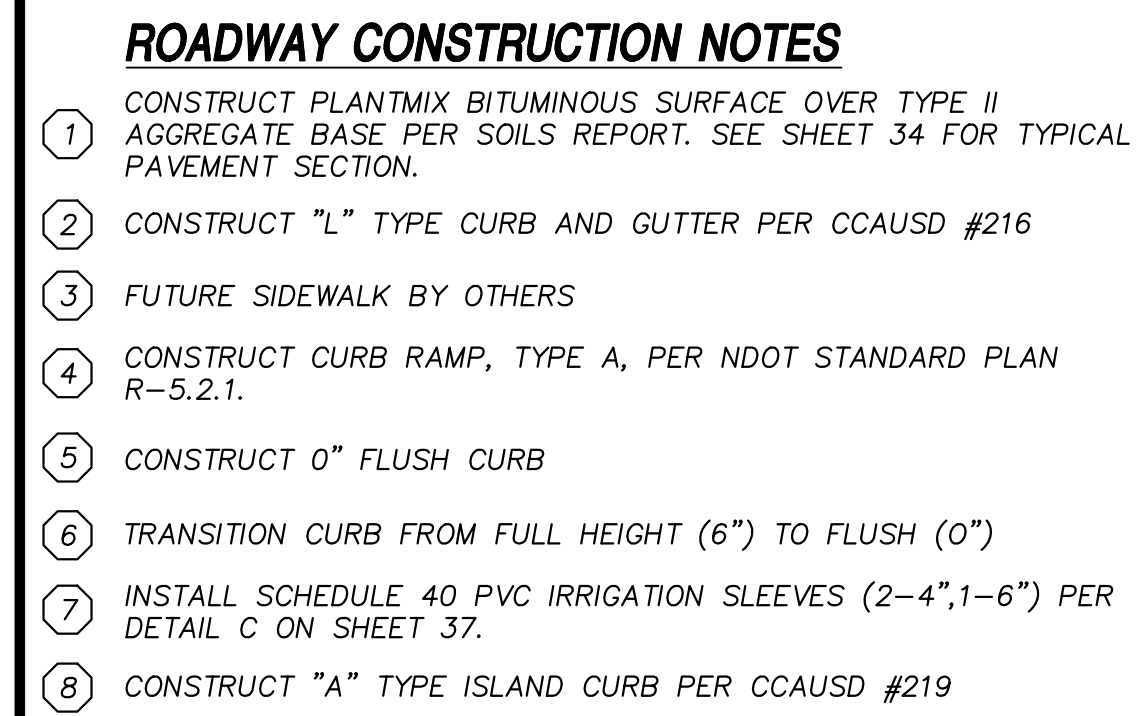
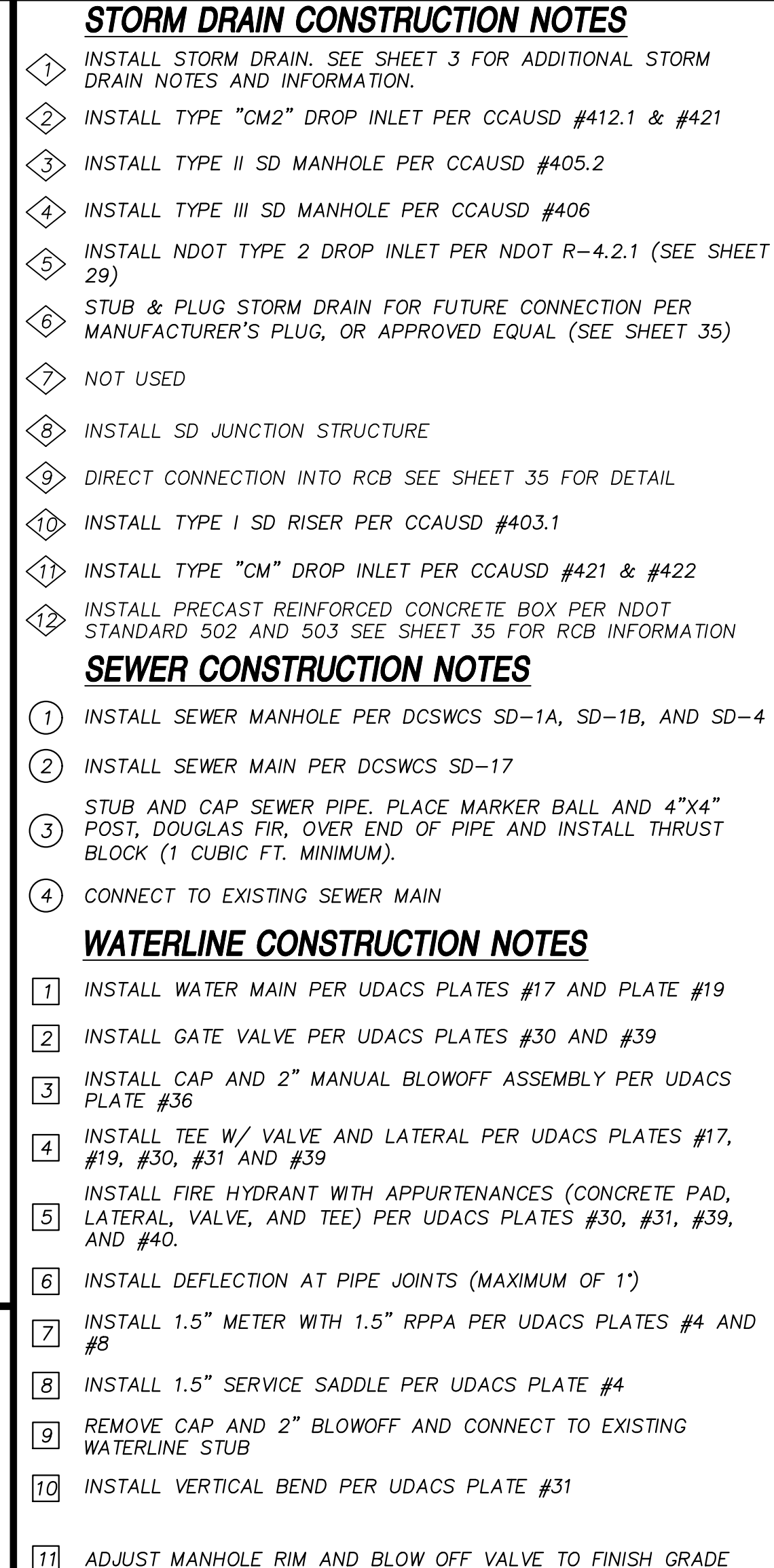


GRADING PLAN CERTIFICATION
NICOLAS BARCOS PE#25673 DATE
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.
DS#XXX-0000

BASIS OF BEARING
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NORS), LAS VEGAS HIGH ELEVATION ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.
BENCHMARK
CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2006)
NAVD88 ELEVATION: 989.574 METERS (3,246.63 FEET)
FND USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.
T21S,R59E,S03

FAST
Call before you Dig
UnderGround
1-702-432-5300
1-800-642-2444
811
Call before you Dig
UnderGround
1-702-227-2929

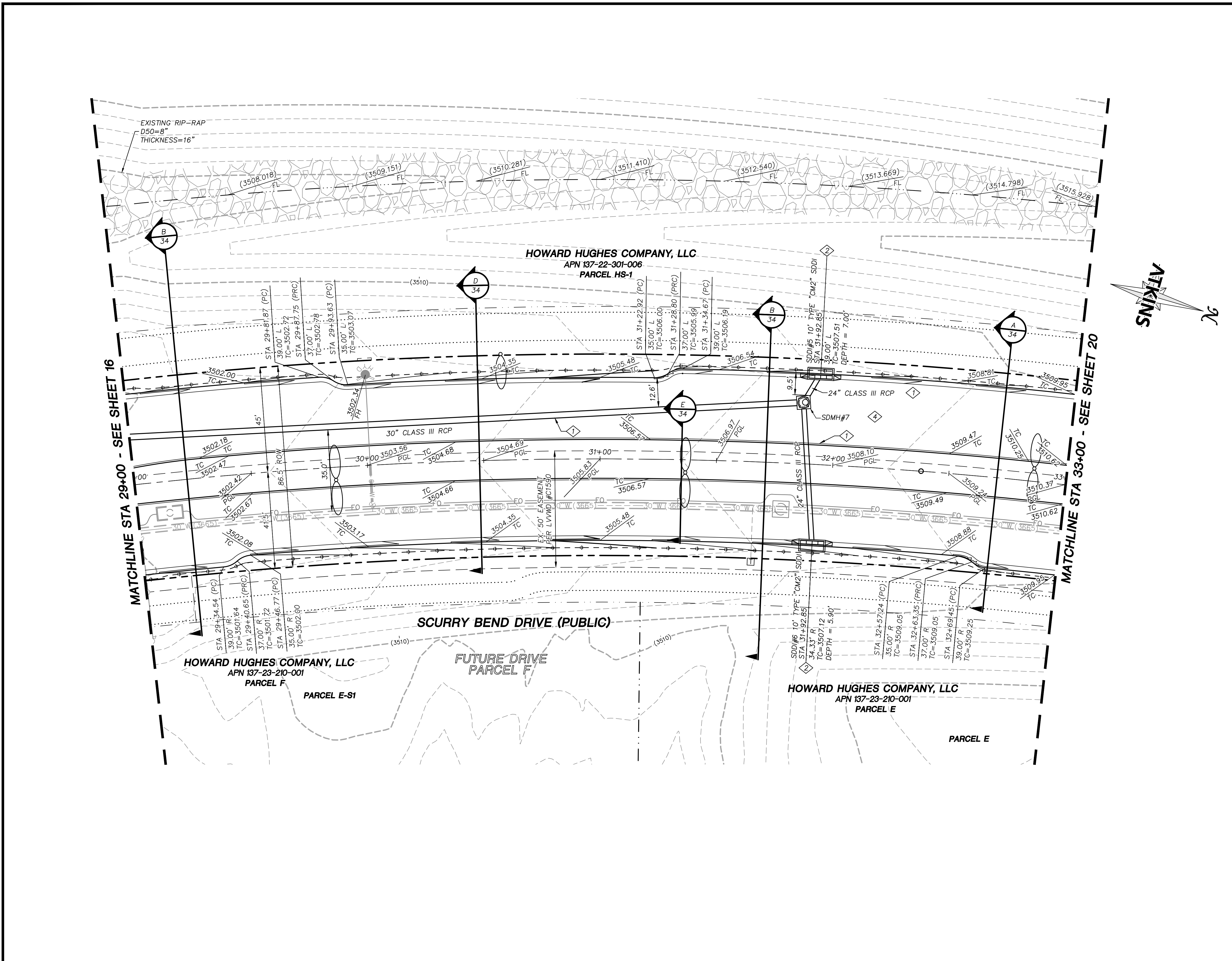




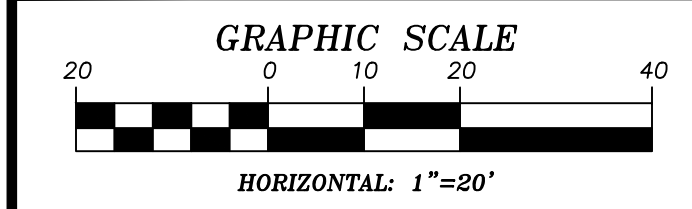
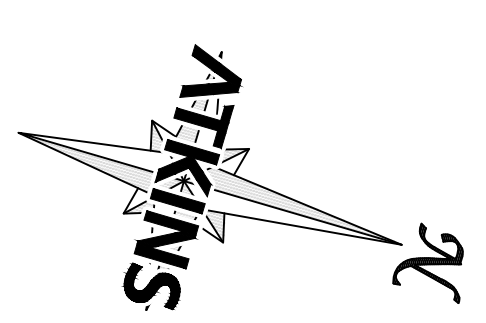
BASIS OF BEARING	BENCHMARK
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS HIGH-LEVEL ADJUSTMENT, NATIONAL EPOCH DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°56' WEST OF THE GREENWICH MERIDIAN.	CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2008) NAVD88 ELEVATION: 989.574 METERS FUND. U.S. G.S. DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN. T215.R59E.S03

 FAST Call before you UnderGround 1-702-432-5300 TERRACE AND LUTHERAL SYSTEM OF TRANSPORTATION	Call before you Dig AHEAD CUTTING AND SHIELDING UTILITY LINES IT'S DOITLY. Call 811 or 1-800-642-2444	AHEAD HITTING OVERHEAD POWER LINES IT'S DOITLY. CALL BEFORE YOU BO OVERHEAD  1-702-227-2929
--	--	---

XXXXXXX LXX-XXXXX	DESIGNED BY: B. MOCHTAK	SUMMERLIN WEST VILLAGE 25		ATKINS 2270 Corporate Circle Suite 200 Henderson, Nevada 89074 Telephone: +1702.263.7275 Fax: +1702.263.7200	REVISIONS			
DATE: MAY, 2021	DRAWN BY: K. HENDRY				DESCRIPTION	BY	DATE	APPROVAL
DRAWING NO.	CHECKED BY: N. BARCOS							
	HORIZ.: 1" = 320'							
	VERT.: NONE							
17/42								



- STORM DRAIN CONSTRUCTION NOTES**
- 1. INSTALL STORM DRAIN. SEE SHEET 3 FOR ADDITIONAL STORM DRAIN NOTES AND INFORMATION.
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 - 4. INSTALL TYPE III SD MANHOLE PER CCAUSD #406
 - 5. INSTALL NDOT TYPE 2 DROP INLET PER NDOT R-4.2.1 (SEE SHEET 29)
 - 6. STUB & PLUG STORM DRAIN FOR FUTURE CONNECTION PER MANUFACTURER'S PLUG, OR APPROVED EQUAL (SEE SHEET 35)
 - 7. NOT USED
 - 8. INSTALL SD JUNCTION STRUCTURE
 - 9. DIRECT CONNECTION INTO RCB SEE SHEET 35 FOR DETAIL
 - 10. INSTALL TYPE I SD RISER PER CCAUSD #403.1
 - 11. INSTALL TYPE "CM" DROP INLET PER CCAUSD #421 & #422
 - 12. INSTALL PRECAST REINFORCED CONCRETE BOX PER NDOT STANDARD 502 AND 503 SEE SHEET 35 FOR RCB INFORMATION



GRADING PLAN CERTIFICATION

NICOLAS BARCOS PE#25673 DATE _____

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

DS#XXX-0000

BASIS OF BEARING

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

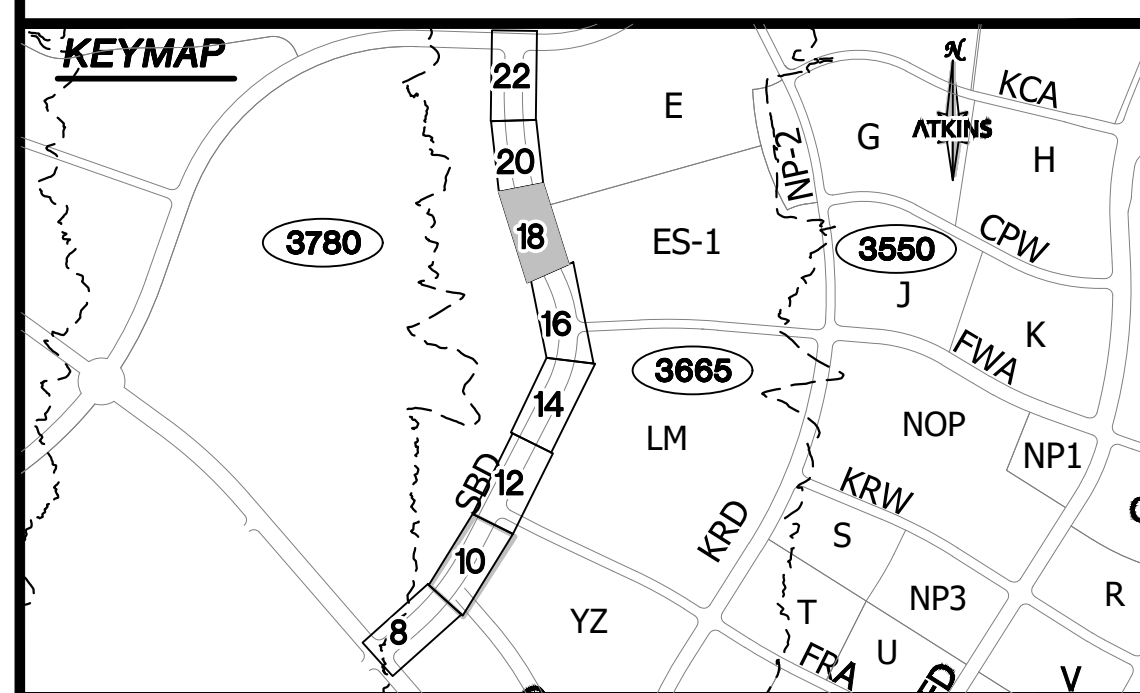
BENCHMARK

CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2006)
NAVD88 ELEVATION: 989.574 METERS (3,246.63 FEET)
FND USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.
T21S,R59E,S03

Call before you Dig
UnderGround
1-702-432-5300

Call before you Dig
UnderGround
1-800-642-2444

Call before you Dig
UnderGround
1-702-227-2929



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DESIGNED BY: B. MOCHTYAK
DRAWN BY: K. HENDRY
CHECKED BY: N. BARCOS
DATE: MAY, 2021
DRAWING NO.: 18/42
VERT.: NONE

ATKINS ENGINEERING
N. BARCOS
PE# 25673
4/16/2021

REVISIONS	
REV.	DESCRIPTION

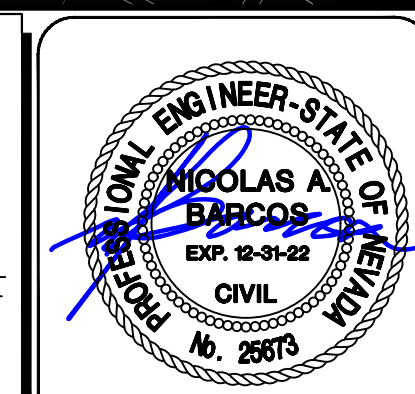
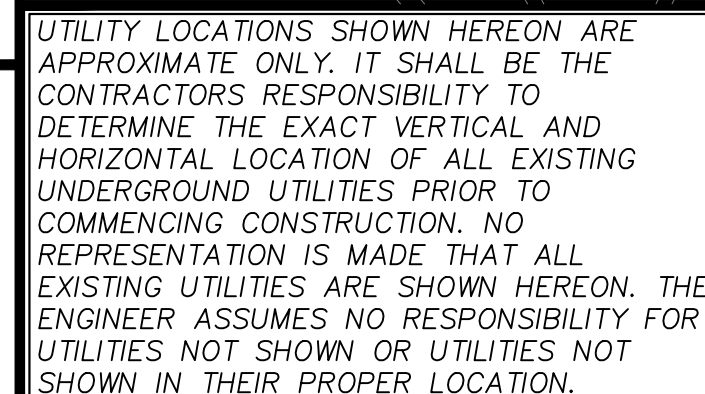
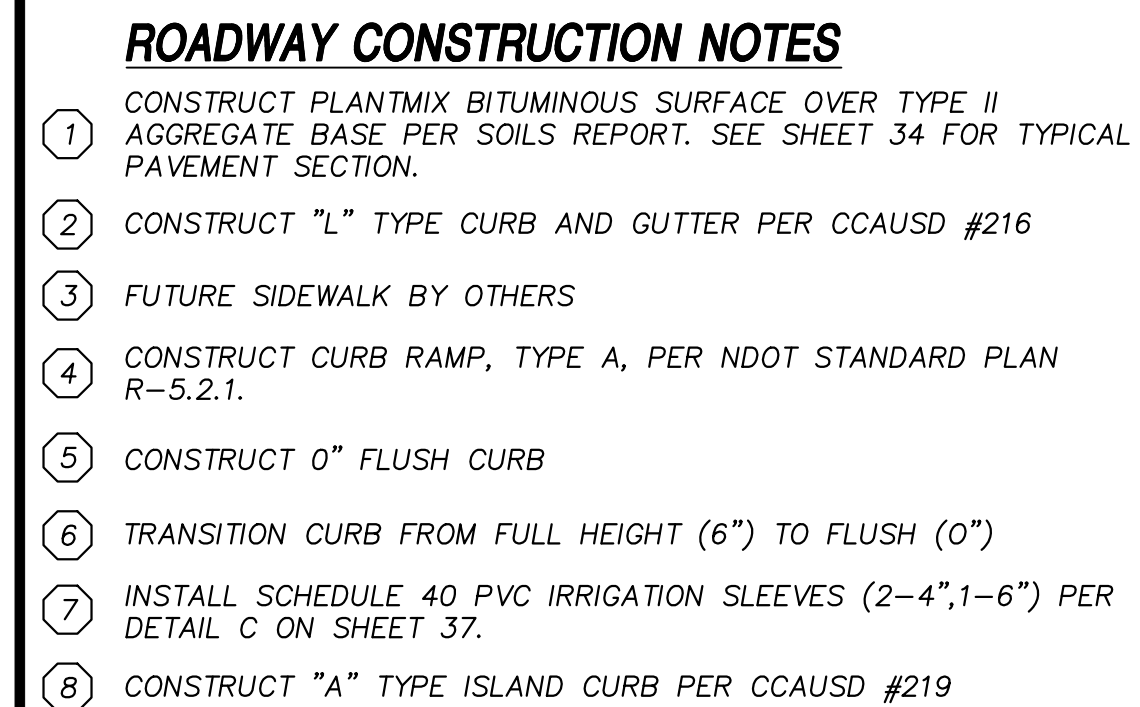
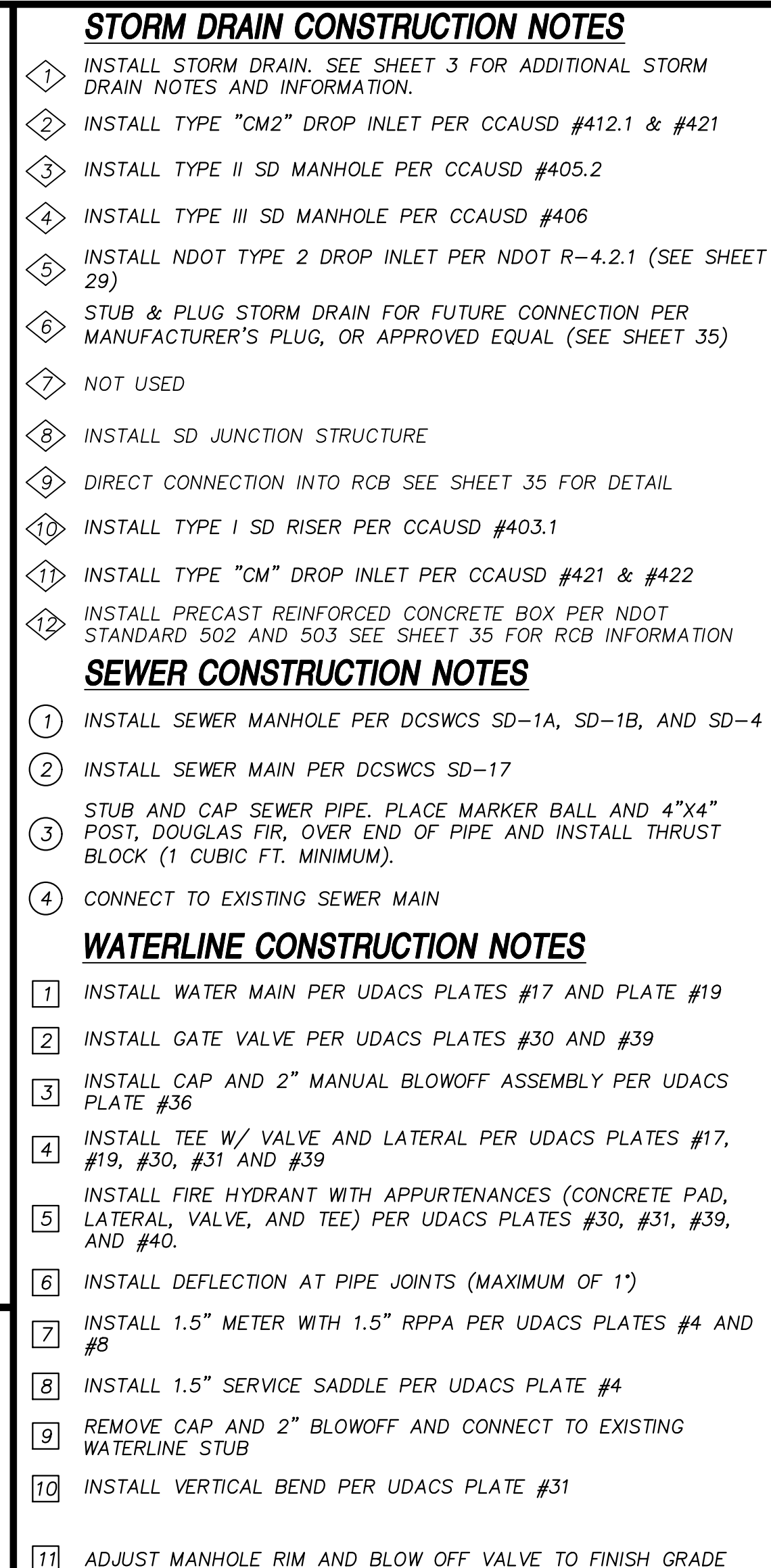
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

ROADWAY GRAADING PLAN
STA 29+00 TO STA 33+00

SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD

DESIGNED BY: B. MOCHTYAK
DRAWN BY: K. HENDRY
CHECKED BY: N. BARCOS
DATE: MAY, 2021
DRAWING NO.: 18/42
VERT.: NONE

JOB NO. 100069098



XXXXXX LXX-XXXX	DESIGNED BY: B. MOCHTYAK DRAWN BY: K. HENDRY CHECKED BY: N. BARCOS HORIZ.: 1"=20' VERT.: NONE
DATE: MAY, 2021	
DRAWING NO.	19/42

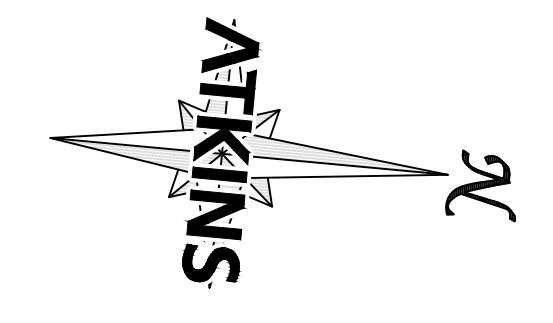
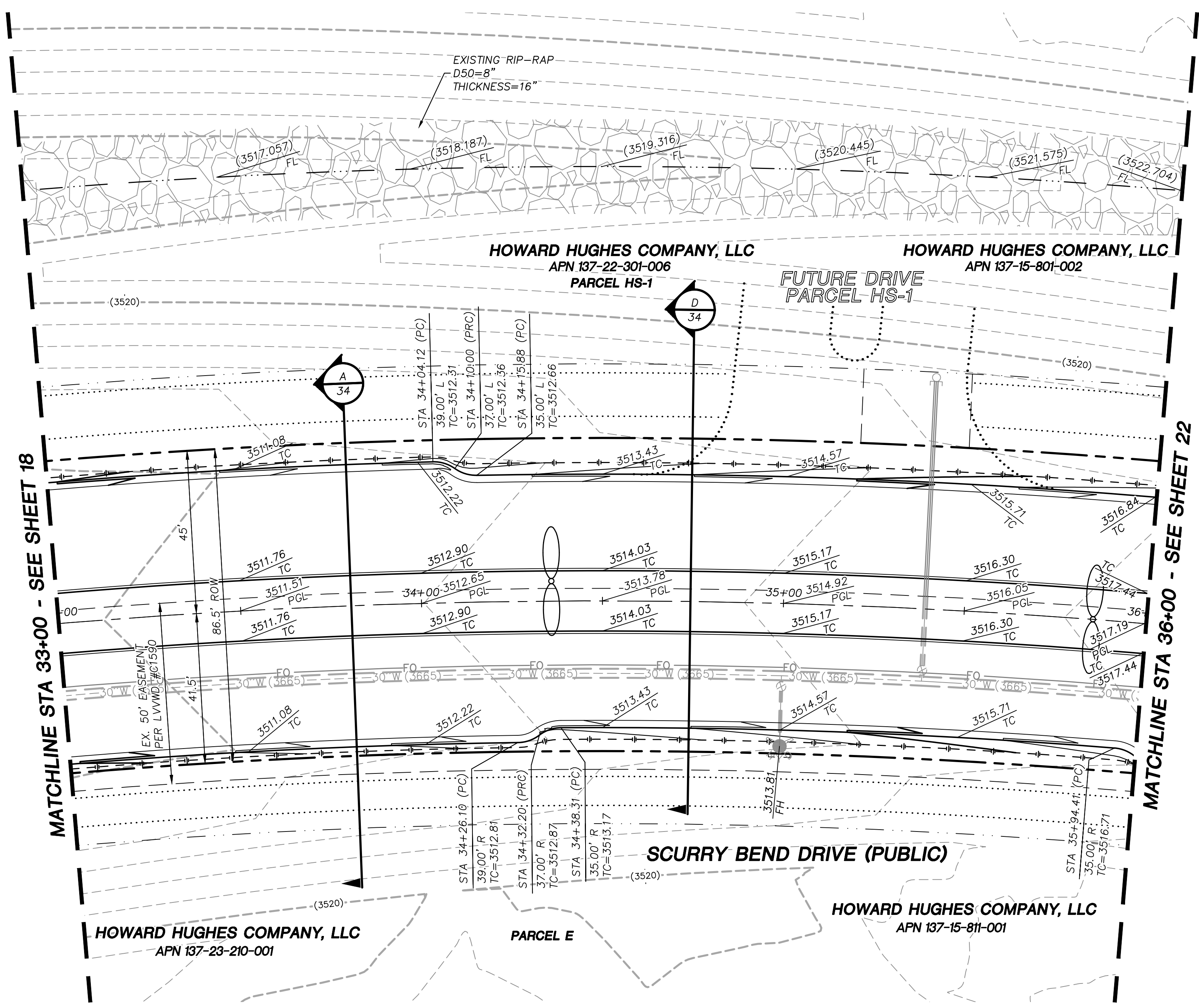
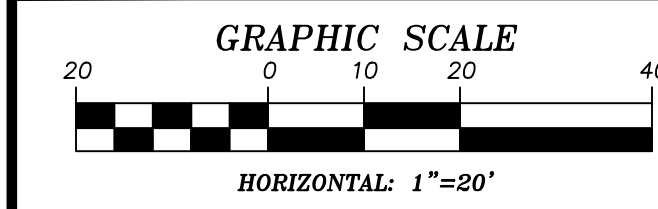
SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD

ROADWAY PLAN + PROFILE
STA 29+00 TO STA 33+00

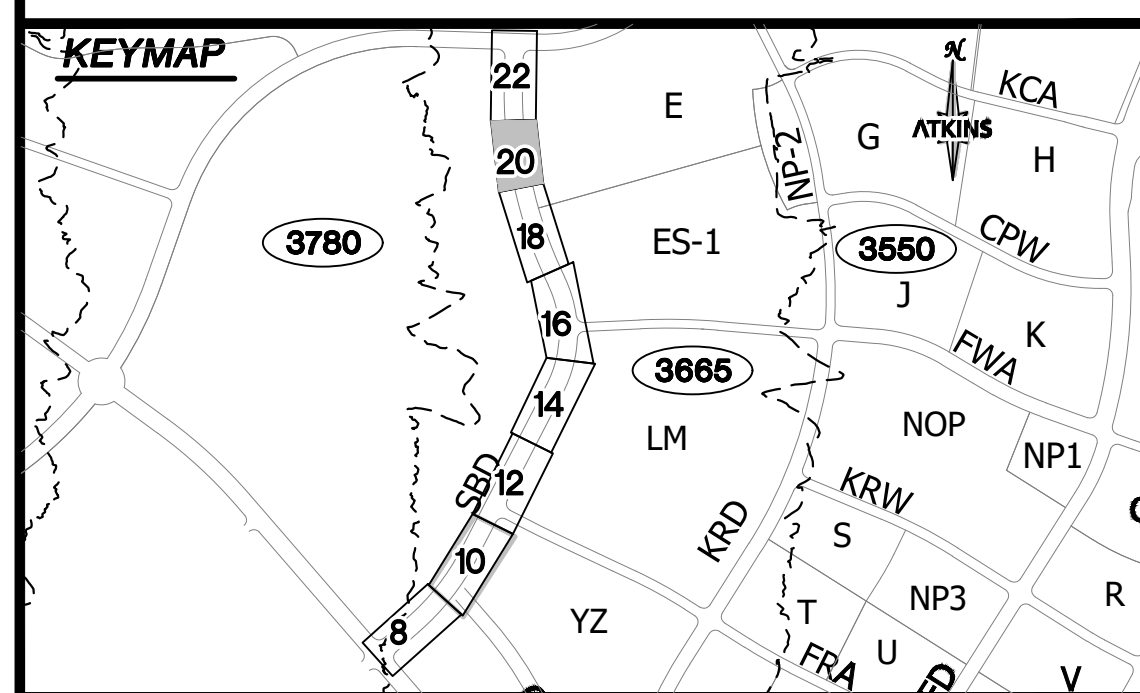


ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

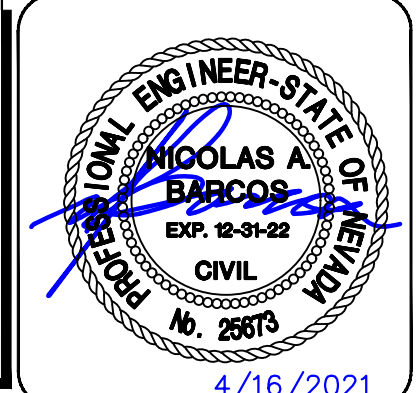
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- STORM DRAIN CONSTRUCTION NOTES**
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 - 7 NOT USED
 - 8 INSTALL SD JUNCTION STRUCTURE
 - 9 DIRECT CONNECTION INTO RCB SEE SHEET 35 FOR DETAIL
 - 10 INSTALL TYPE I SD RISER PER CCAUSD #403.1
 - 11 INSTALL TYPE "CM" DROP INLET PER CCAUSD #421 & #422
 - 12 INSTALL PRECAST REINFORCED CONCRETE BOX PER NDOT STANDARD 502 AND 503 SEE SHEET 35 FOR RCB INFORMATION



UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



GRADING PLAN CERTIFICATION

NICOLAS BARCOS PE#25673 DATE _____

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

DS#XXX-0000

BASIS OF BEARING

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

BENCHMARK

CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2008)
NAVD88 ELEVATION: 989.574 METERS (3,246.63 FEET)
FND USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.
T21S,R59E,S03

FAST

Call before you Dig

UnderGround

1-702-432-5300

Call before you Dig

811

1-800-642-2444

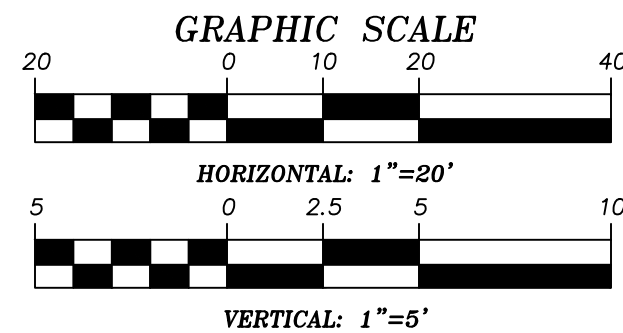
CALL BEFORE YOU DIG

UNDERGROUND

1-702-227-2929

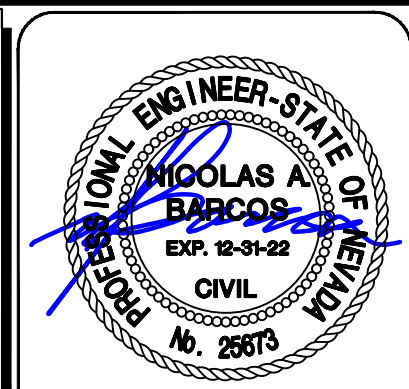
REVISIONS		BY	DATE	APPROVAL
REV.	DESCRIPTION			

ATKINS	
2270 Corporate Circle Suite 200 Henderson, Nevada 89074 Telephone: +1702.263.7275 Fax: +1702.263.7200	
SUMMERLIN	
SUMMERLIN WEST VILLAGE 25	
SCURRY BEND DRIVE (STREET N)	
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD	
ROADWAY GRADING PLAN	
STA 33+00 TO STA 37+00	
DESIGNED BY:	XXXXXX
DRAWN BY:	LXX-XXXX
CHECKED BY:	K. HENDRY
DATE:	MAY, 2021
DRAWING NO.:	20/42
VERT.:	NONE
JOB NO.:	100069098

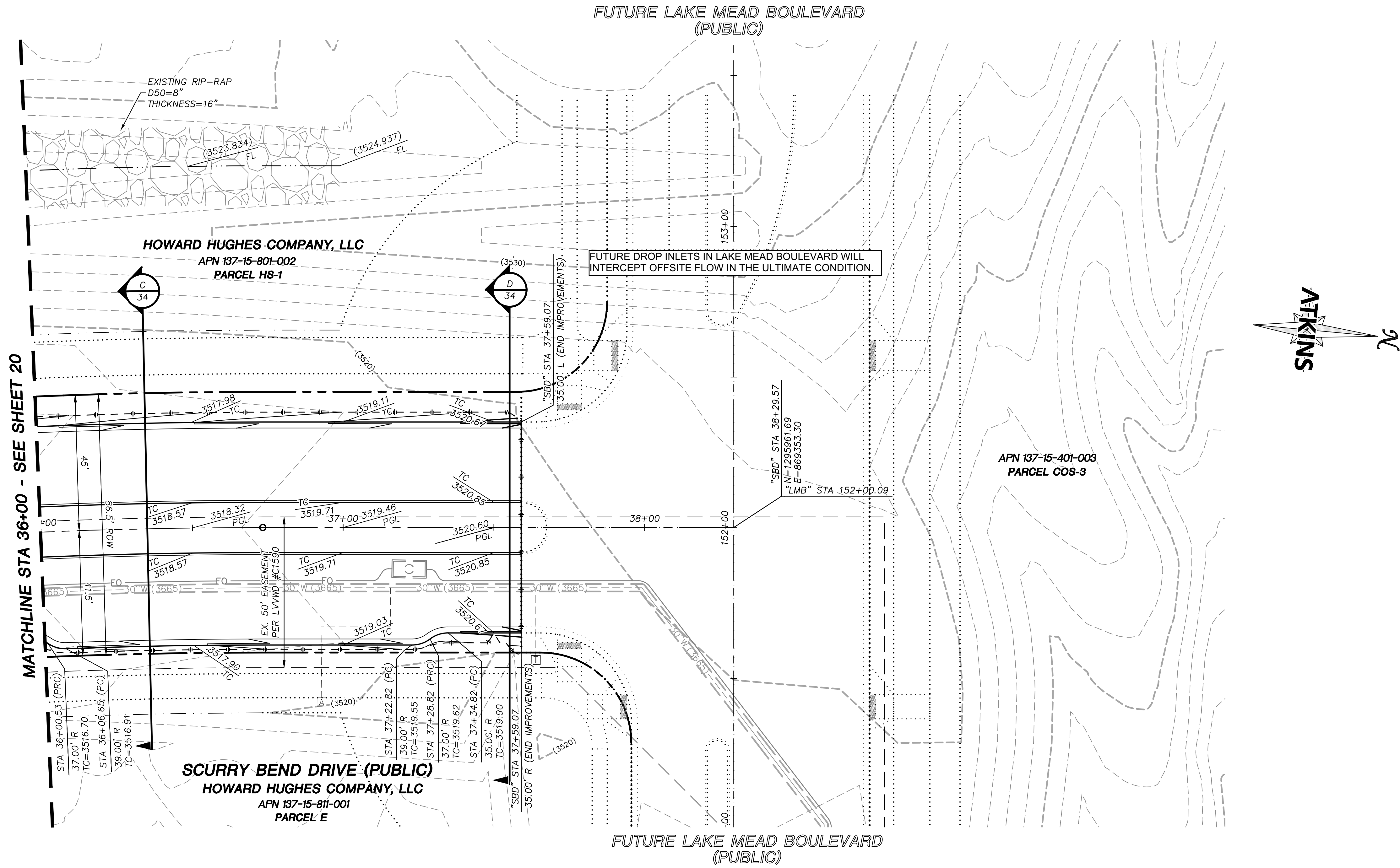


PROJECT NO. 000000 FIRST APPROVED DATE: _____
LVVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

CITY OF LAS VEGAS BENCHMARK: D368
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NAVDD88 ELEVATION: 989.574 METERS
(3,246.63 FEET)
FIND USC&GS DISC SET IN ROCK RIDGE 150'
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DETENTION BASIN.
T21S R59E S03



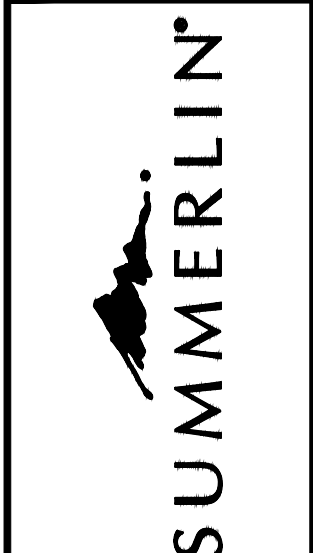
XXXXXX LXX-XXXX	DESIGNED BY: B. MOCHTYAK
DATE: MAY, 2021	DRAWN BY: K. HENDRY
DRAWING NO.	CHECKED BY: N. BARCOS
21/42	HORIZ.: 1"=20' VERT.: NONE



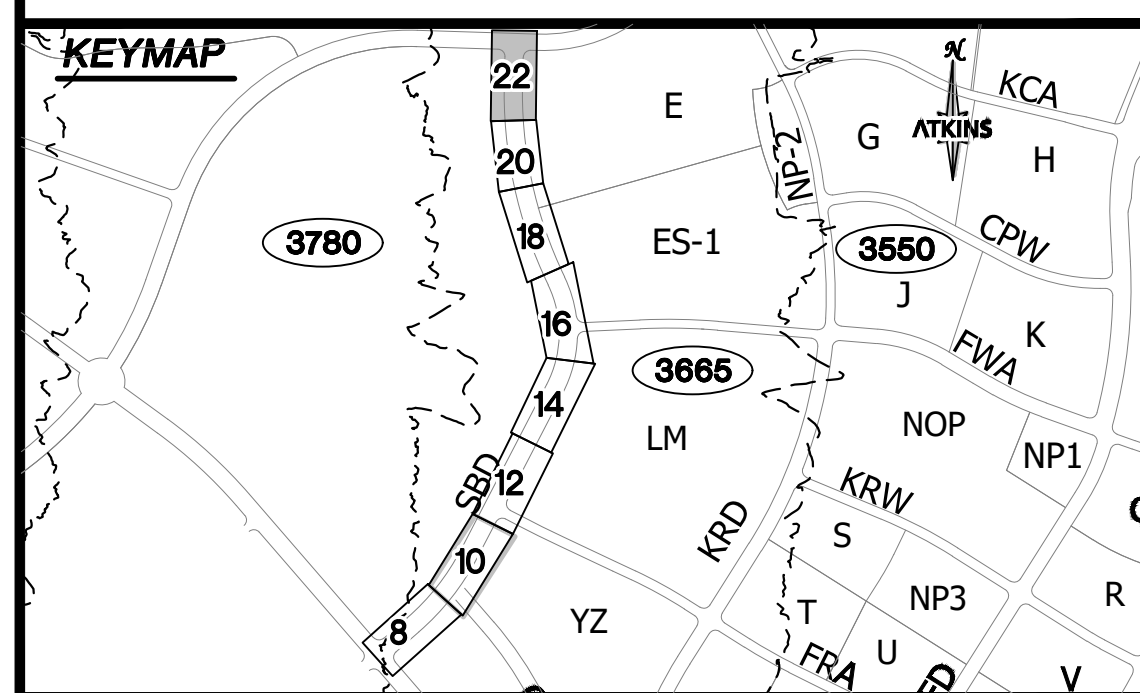
- STORM DRAIN CONSTRUCTION NOTES**
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 - 7. NOT USED
 - 8. INSTALL SD JUNCTION STRUCTURE
 - 9. DIRECT CONNECTION INTO RCB SEE SHEET 35 FOR DETAIL
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 - 11. INSTALL TYPE "CM" DROP INLET PER CCAUSD #421 & #422
 - 12. INSTALL PRECAST REINFORCED CONCRETE BOX PER NDOT STANDARD 502 AND 503 SEE SHEET 35 FOR RCB INFORMATION

REV.		DESCRIPTION	BY	DATE	APPROVAL

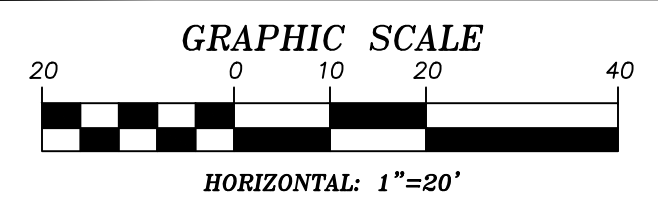
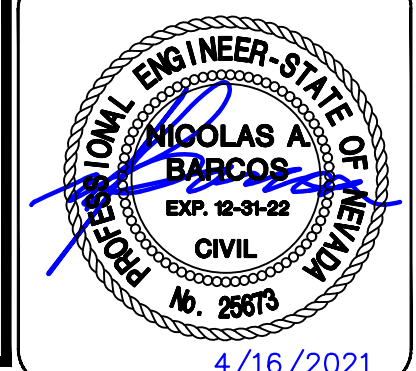
ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200



SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD
ROADWAY GRADING PLAN
STA 37+00 TO END



UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



GRADING PLAN CERTIFICATION

NICOLAS BARCOS PE#25673 DATE _____

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

DS#XXX-0000

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

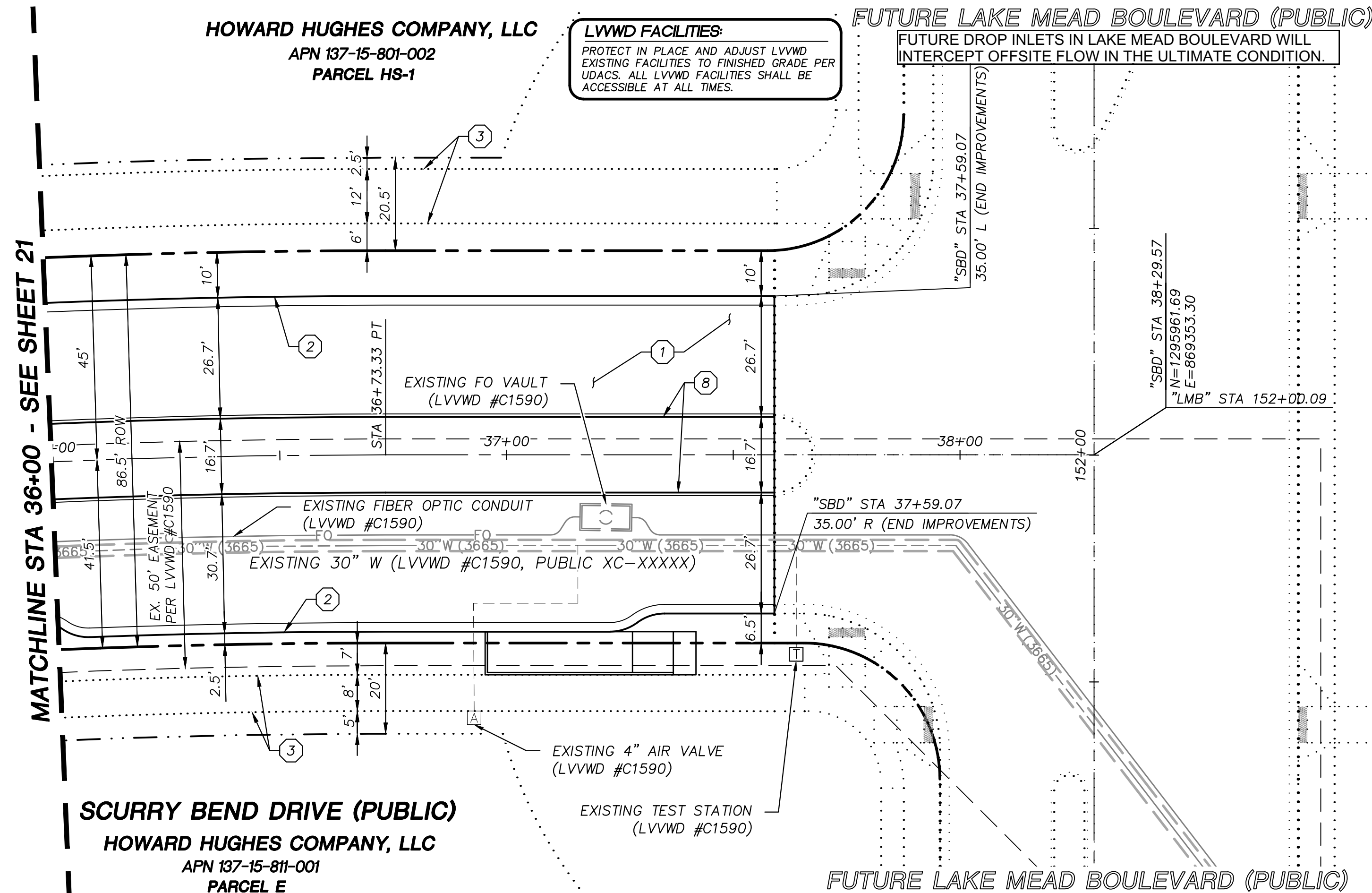
BENCHMARK
CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2006)
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FND USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.
T21S,R59E,S03

FAST
Call before you Dig
UnderGround
1-702-432-5300
1-800-642-2444

811
Call before you Dig
UnderGround
1-702-227-2929

CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

DESIGNED BY: B. MOCHTYAK	DATE: MAY, 2021	DRAWING NO. 22/42
DRAWN BY: K. HENDRY	DATE: MAY, 2021	DATE: 4/16/2021
CHECKED BY: N. BARCOS	DATE: MAY, 2021	DATE: 4/16/2021
APPROVED BY: N. BARCOS	DATE: MAY, 2021	DATE: 4/16/2021
SCALE: HORIZ.: 1"=20'	DATE: MAY, 2021	DATE: 4/16/2021
VERT.: NONE	DATE: MAY, 2021	DATE: 4/16/2021

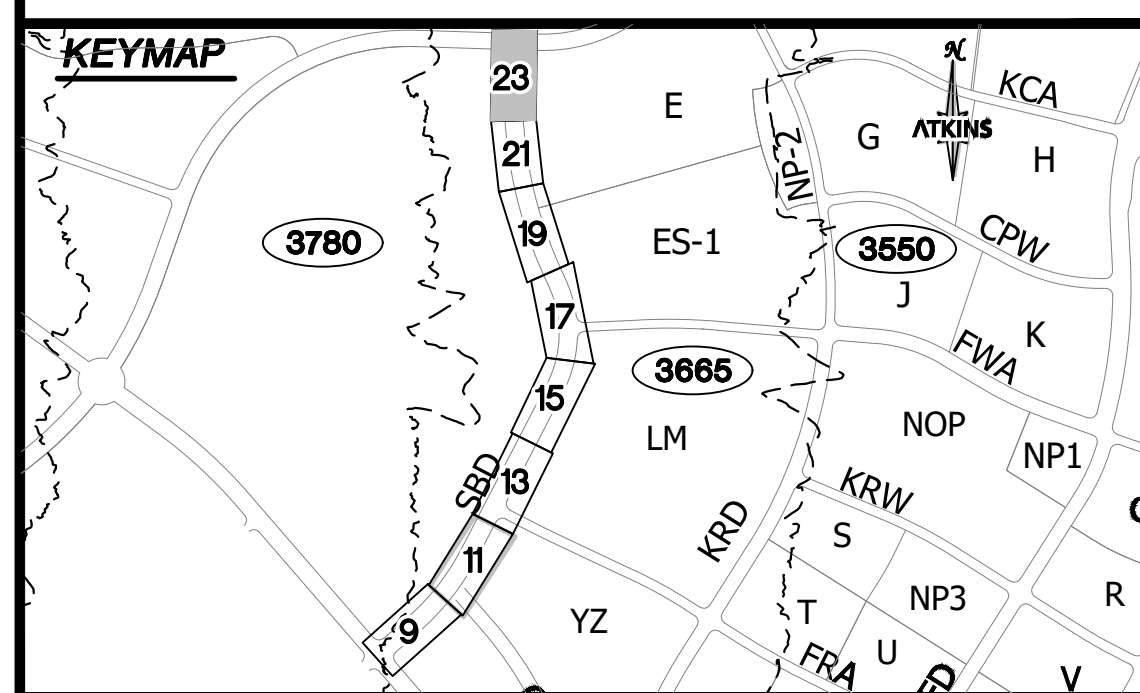


HOWARD HUGHES COMPANY, LLC
APN 137-15-401-003
PARCEL COS-3



- ### STORM DRAIN CONSTRUCTION NOTES
1. INSTALL STORM DRAIN. SEE SHEET 3 FOR ADDITIONAL STORM DRAIN NOTES AND INFORMATION.
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 12. INSTALL PRECAST REINFORCED CONCRETE BOX PER NDOT STANDARD 502 AND 503 SEE SHEET 35 FOR RCB INFORMATION
- ### SEWER CONSTRUCTION NOTES
1. INSTALL SEWER MANHOLE PER DCSWCS SD-1A, SD-1B, AND SD-4
 2. INSTALL SEWER MAIN PER DCSWCS SD-17
 3. STUB AND CAP SEWER PIPE. PLACE MARKER BALL AND 4"x4" POST, DOUGLAS FIR, OVER END OF PIPE AND INSTALL THRUST BLOCK (1 CUBIC FT. MINIMUM).
 4. CONNECT TO EXISTING SEWER MAIN
- ### WATERLINE CONSTRUCTION NOTES
1. INSTALL WATER MAIN PER UDACS PLATES #17 AND PLATE #19
 2. INSTALL GATE VALVE PER UDACS PLATES #30 AND #39
 3. INSTALL CAP AND 2" MANUAL BLOWOFF ASSEMBLY PER UDACS PLATE #36
 4. INSTALL TEE W/ VALVE AND LATERAL PER UDACS PLATES #17, #19, #30, #31 AND #39
 5. INSTALL FIRE HYDRANT WITH APPURTENANCES (CONCRETE PAD, LATERAL, VALVE, AND TEE) PER UDACS PLATES #30, #31, #39, AND #40.
 6. INSTALL DEFLECTION AT PIPE JOINTS (MAXIMUM OF 1")
 7. INSTALL 1.5" METER WITH 1.5" RPPA PER UDACS PLATES #4 AND #8
 8. INSTALL 1.5" SERVICE SADDLE PER UDACS PLATE #4
 9. REMOVE CAP AND 2" BLOWOFF AND CONNECT TO EXISTING WATERLINE STUB
 10. INSTALL VERTICAL BEND PER UDACS PLATE #31
 11. ADJUST MANHOLE RIM AND BLOW OFF VALVE TO FINISH GRADE

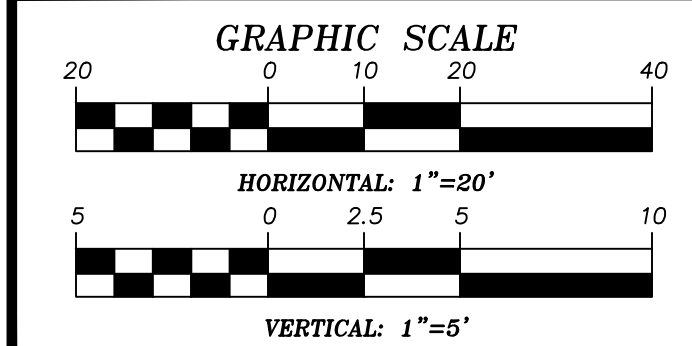
- ### ROADWAY CONSTRUCTION NOTES
1. CONSTRUCT PLANTMIX BITUMINOUS SURFACE OVER TYPE II AGGREGATE BASE PER SOILS REPORT. SEE SHEET 34 FOR TYPICAL PAVEMENT SECTION.
 2. CONSTRUCT "L" TYPE CURB AND GUTTER PER CCAUSD #216
 3. FUTURE SIDEWALK BY OTHERS
 4. CONSTRUCT CURB RAMP, TYPE A, PER NDOT STANDARD PLAN R-5.2.1.
 5. CONSTRUCT 0" FLUSH CURB
 6. TRANSITION CURB FROM FULL HEIGHT (6") TO FLUSH (0")
 7. INSTALL SCHEDULE 40 PVC IRRIGATION SLEEVES (2-4", 1-6") PER DETAIL C ON SHEET 37.
 8. CONSTRUCT "A" TYPE ISLAND CURB PER CCAUSD #219



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DESIGNED BY: B. MOCHTYAK
DRAWN BY: K. HENDRY
CHECKED BY: N. BARCOS
DATE: MAY 2021
DRAWING NO. 23/42
VERT.: NONE

4/16/2021



APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING AND PLANNING SERVICES

PROJECT NO. 000000 FIRST APPROVED DATE: _____

LVVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

BASIS OF BEARING

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

BENCHMARK

CITY OF LAS VEGAS BENCHMARK: D368 (REVISED 2008)
NAVD88 ELEVATION: 989.574 METERS (3,246.63 FEET)
FND USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.
TZ15R59E.S03

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UnderGround
1-702-432-5300

Call before you Dig
UnderGround
1-800-642-2444

CALL BEFORE YOU DIG
1-702-227-2929

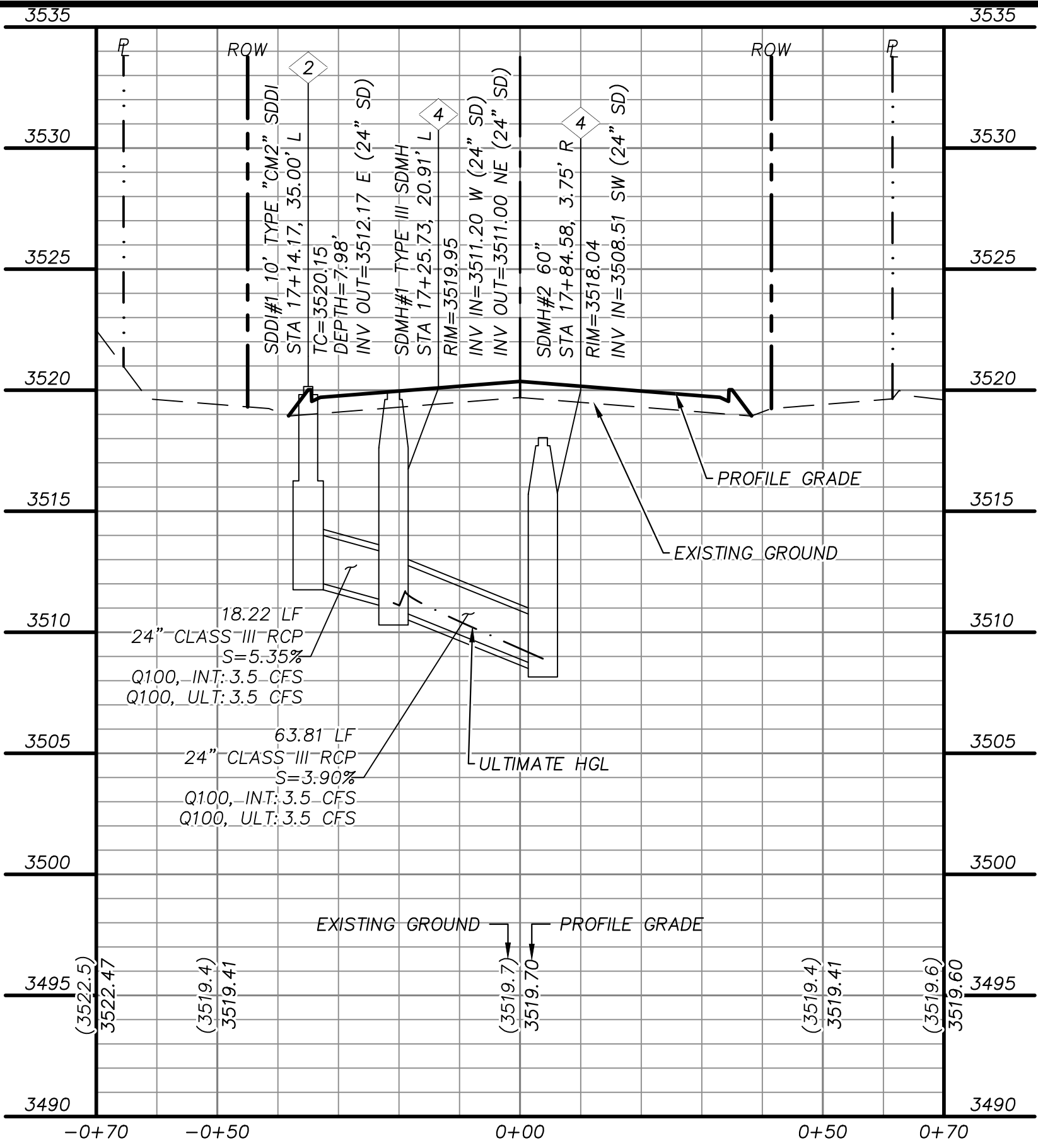
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
Fax: +1702.263.7200

SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD
ROADWAY PLAN + PROFILE
STA 37+00 TO END

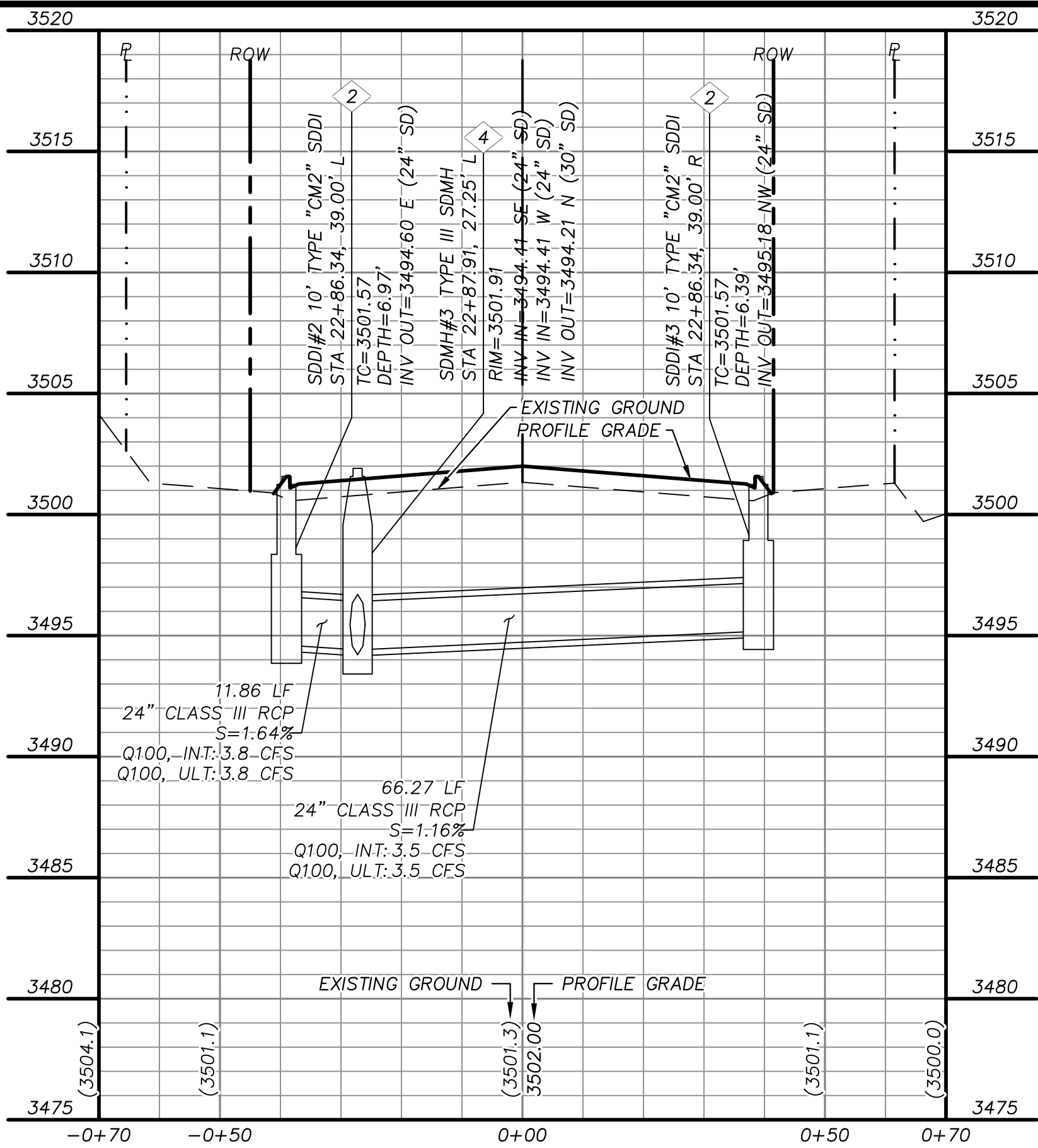
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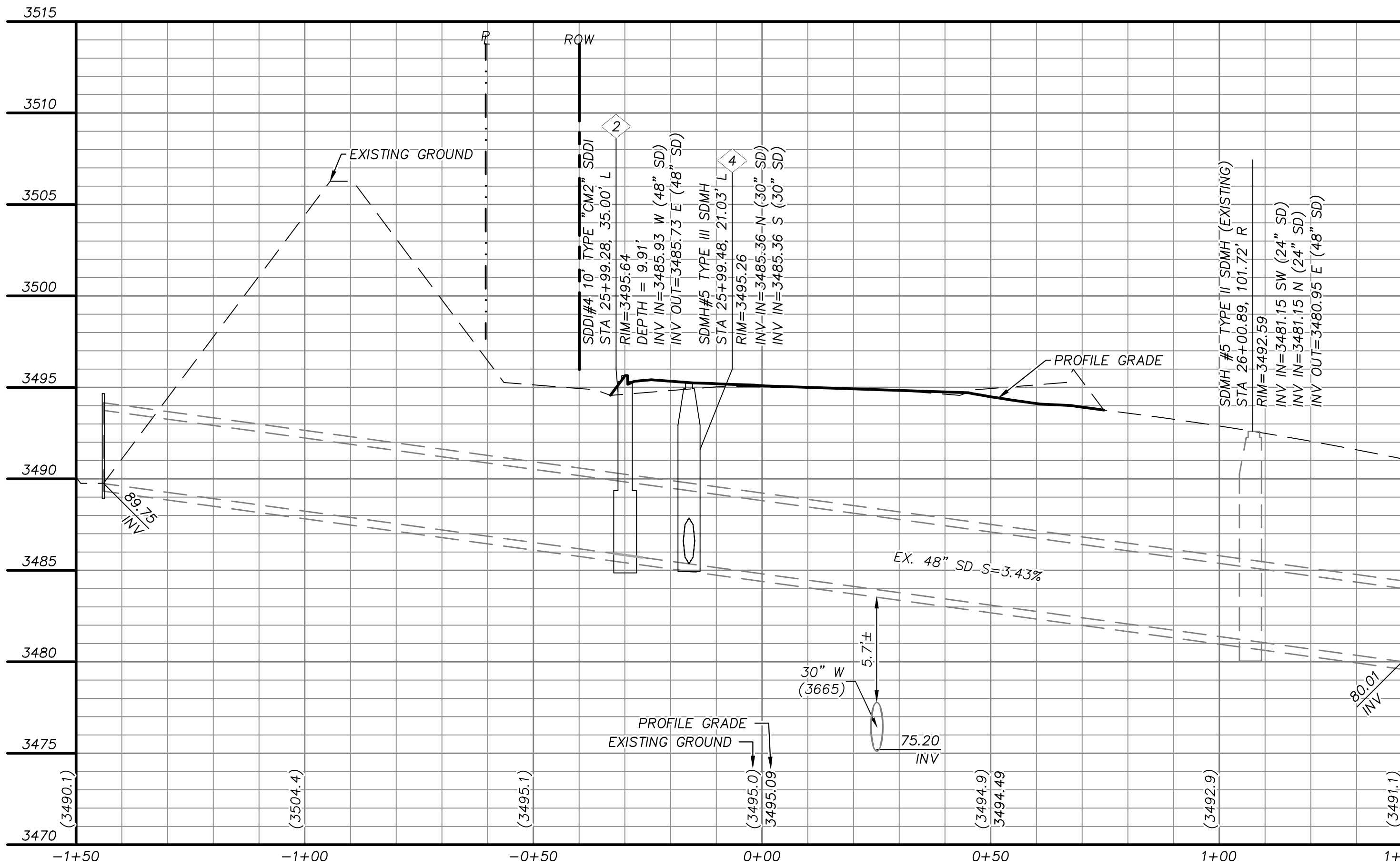
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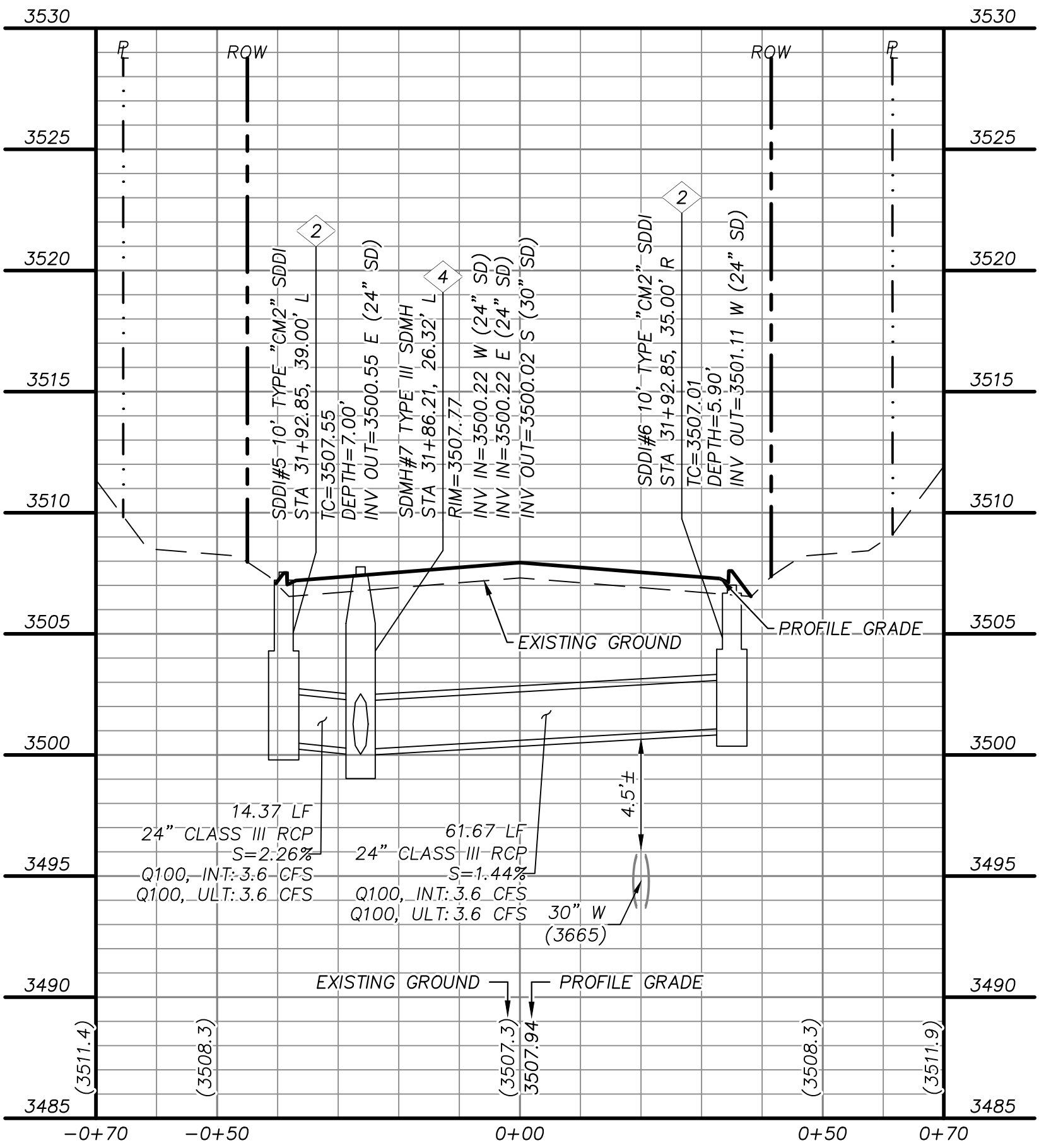
STORM DRAIN LATERAL 1
"SBD" STA. 17+25.85 SEE SHEET 13



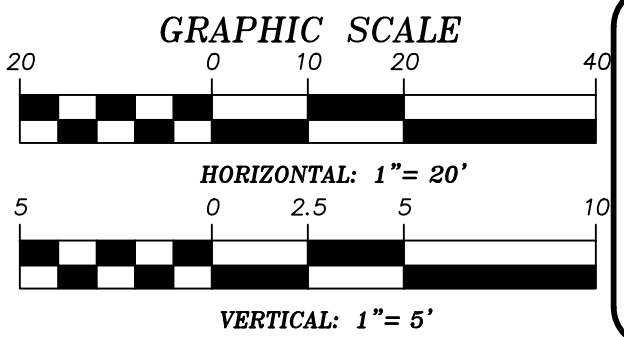
STORM DRAIN LATERAL 2
"SBD" STA. 22+86.34 SEE SHEET 15



STORM DRAIN LATERAL 3
"SBD" STA. 25+99.76 SEE SHEET 17



STORM DRAIN LATERAL 4
"SBD" STA. 31+92.85 SEE SHEET 19



APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING
AND PLANNING SERVICES

PROJECT NO. 000000 FIRST APPROVED DATE: _____
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BASIS OF BEARING

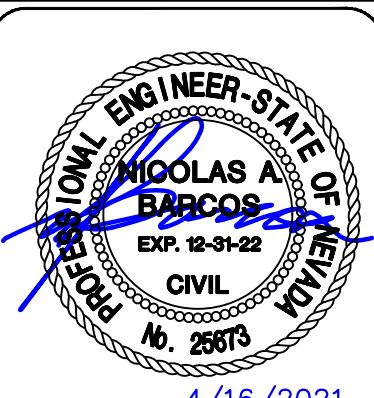
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FND USC&GS DISC SET IN ROCK RIDGE 150'
SOUTH OF CHARLESTON BLVD. & WEST OF
DETENTION BASIN.
T21S,R59E,S03



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DESIGNED BY: B. MOCHTAK
DRAWN BY: K. HENDRY
CHECKED BY: N. BARCOS
DATE: MAY, 2021
DRAWING NO. 24/42
JOB NO. 100069098

SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD

STORM DRAIN LATERAL PROFILES

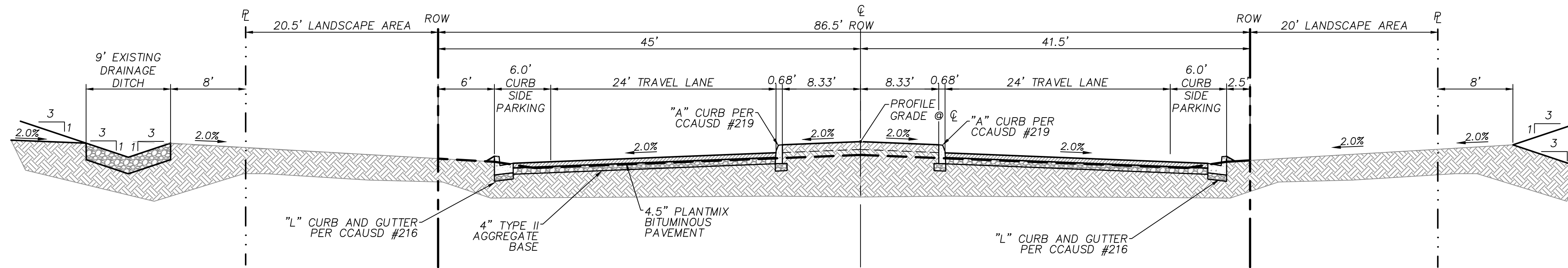


ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7725
Fax: +1702.263.7200

REVISIONS

REV.	DESCRIPTION	BY	DATE	APPROVAL

- STORM DRAIN CONSTRUCTION NOTES**
1. INSTALL STORM DRAIN. SEE SHEET 3 FOR ADDITIONAL STORM DRAIN NOTES AND INFORMATION.
 2. INSTALL TYPE "CM2" DROP INLET PER CCAUSD #412.1 & #421
 3. INSTALL TYPE II SD MANHOLE PER CCAUSD #405.2
 4. INSTALL TYPE III SD MANHOLE PER CCAUSD #406
 5. INSTALL NDOT TYPE 2 DROP INLET PER NDOT R-4.2.1 (SEE SHEET 29)
 6. STUB & PLUG STORM DRAIN FOR FUTURE CONNECTION PER MANUFACTURER'S PLUG, OR APPROVED EQUAL (SEE SHEET 35)
 7. NOT USED
 8. INSTALL SD JUNCTION STRUCTURE
 9. DIRECT CONNECTION INTO RCB SEE SHEET 35 FOR DETAIL
 10. INSTALL TYPE I SD RISER PER CCAUSD #403.1
 11. INSTALL TYPE "CM" DROP INLET PER CCAUSD #421 & #422
 12. INSTALL PRECAST REINFORCED CONCRETE BOX PER NDOT STANDARD 502 AND 503 SEE SHEET 35 FOR RCB INFORMATION



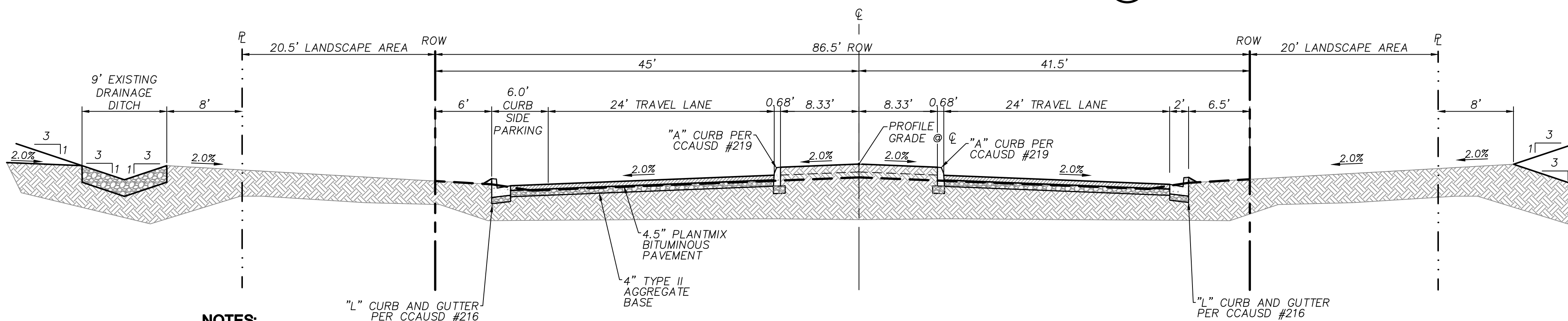
NOTES:

1. EXCAVATE BOTH SIDES TO DEPTH INDICATED PRIOR TO STREET IMPROVEMENTS. SIFT/SCREEN OUT ROCK AND DEBRIS GREATER THAN 6" FROM EXCAVATED MATERIAL, THEN BACKFILL TO 85% COMPACTION. FILL AS NECESSARY TO 2" BELOW THE FINISHED GRADE.

SCURRY BEND DRIVE - TYPICAL SECTION W/PARKING (BOTH SIDES)

N.T.S.

34



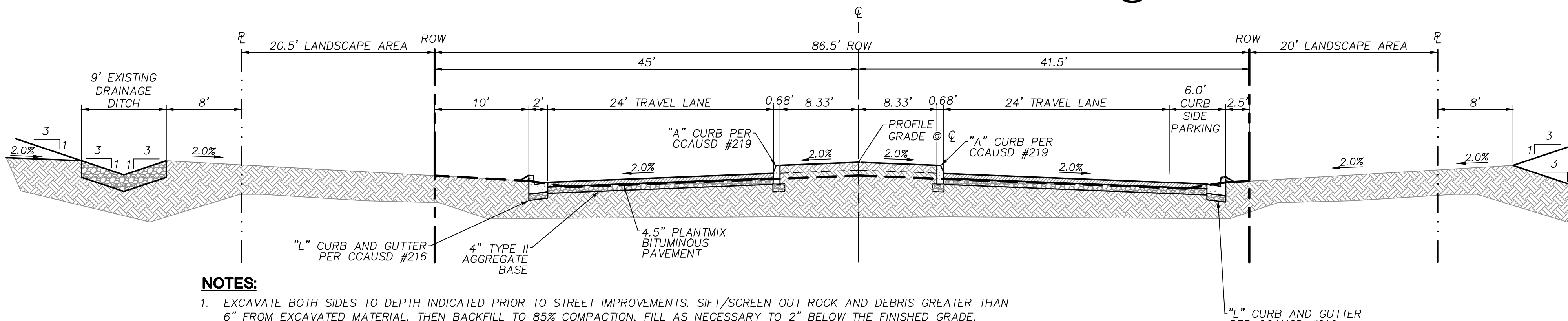
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SCURRY BEND DRIVE - TYPICAL SECTION W/PARKING (LEFT SIDE)

N.T.S.

34



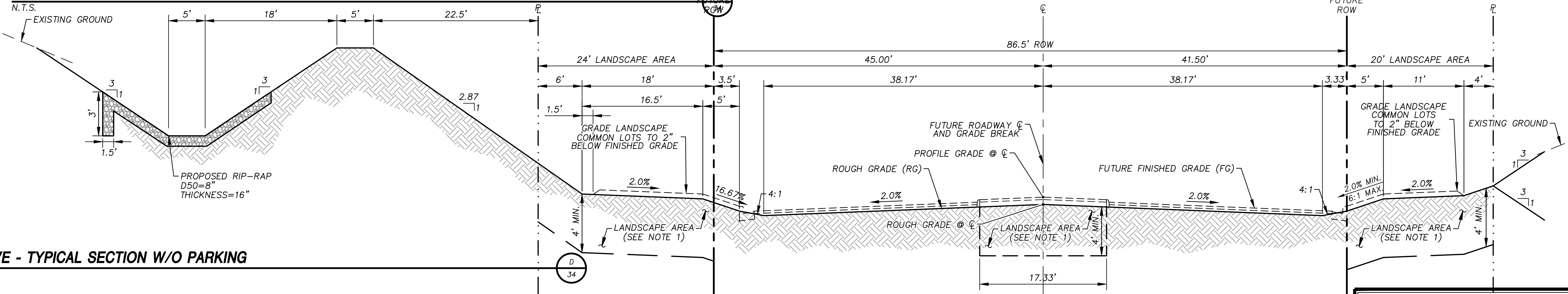
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SCURRY BEND DRIVE - TYPICAL SECTION W/PARKING (RIGHT SIDE)

N.T.S.

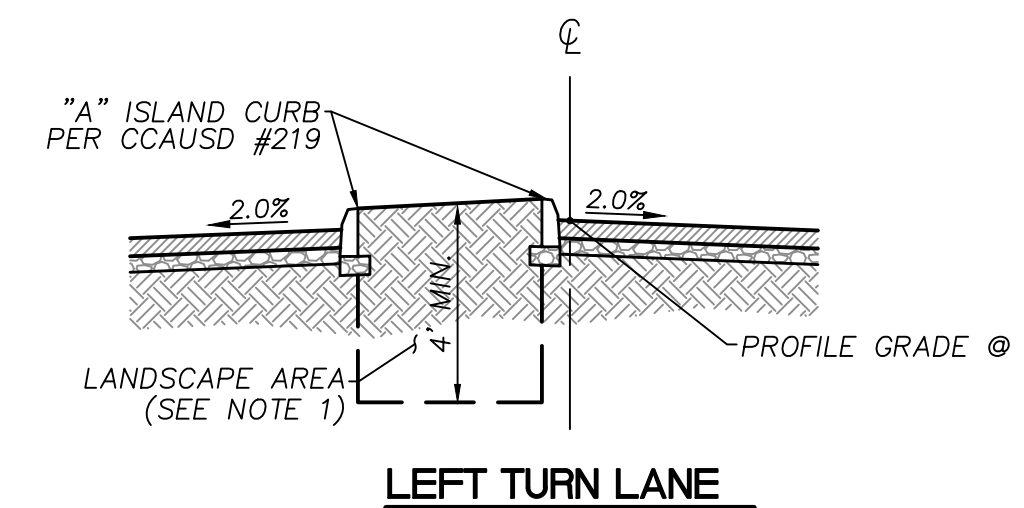
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SCURRY BEND DRIVE - TYPICAL SECTION W/O PARKING

N.T.S.

34



PROFILE GRADE LINE DETAIL FOR OFFSET MEDIAN

N.T.S.

34

REVISIONS

REV.	DESCRIPTION	BY	DATE	APPROVAL

ATKINS
2270 Corporate Circle Suite 200
Henderson, Nevada 89074
Telephone: +1702.263.7275
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SUMMERLIN

SUMMERLIN WEST VILLAGE 25
SCURRY BEND DRIVE (STREET N)
SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD

DESIGNED BY: B. MOCHTYAK
DRAWN BY: K. HENDRY
CHECKED BY: N. BARCOS
HORIZ.: NONE
VERT.: NONE

XXXXXX
LXX-XXXX
DATE: MAY, 2021
DRAWING NO.
34/42

BASIS OF BEARING

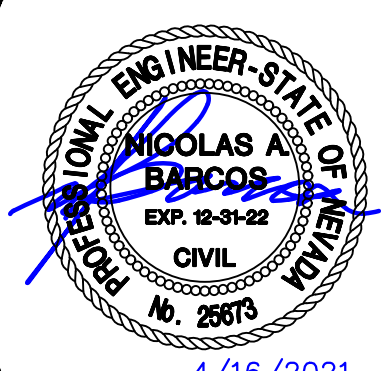
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NORS), LAS VEGAS HIGH ELEVATION ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

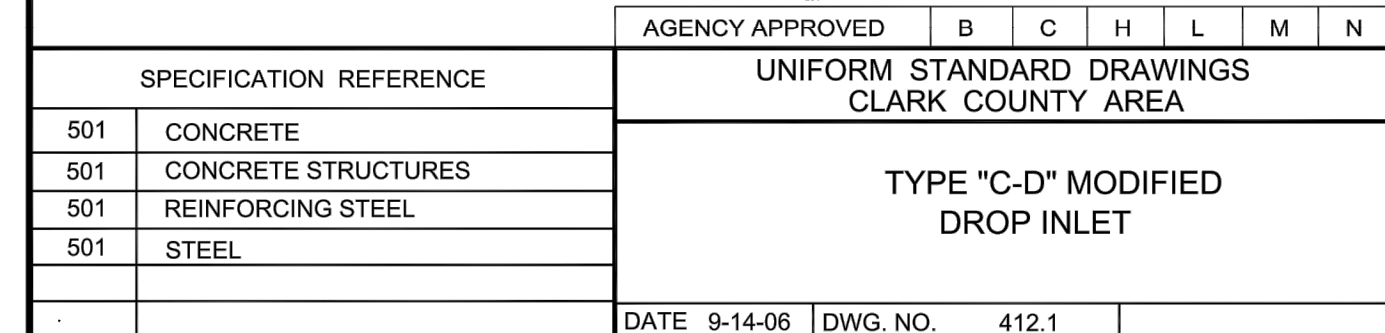
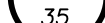
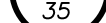
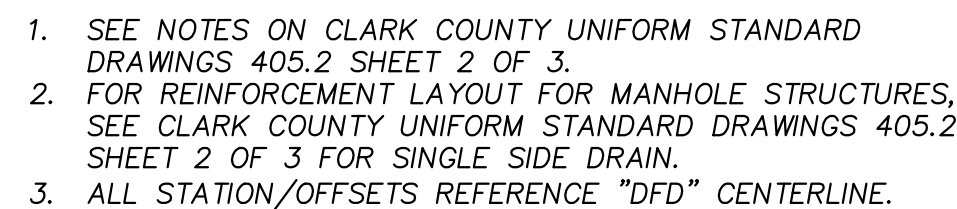
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T21S,R59E,S03



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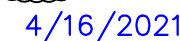


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XXXXXX	DESIGNED BY:
LXX-XXXX	B. MOCHTYAK
DATE:	DRAWN BY:
MAY, 2021	K. HENDRY
DRAWING NO.	CHECKED BY:
	N. BARCOS
	HORIZ.: NONE
35/42	VERT.: NONE

JOB NO. 100069098

5:38PM
MER