

DS #: 04953-3

APN: 126-12-101-002

PROJECT: Skye Canyon - Phases 3B & 3C Infrastructure - Update #3

SUBMITTAL: 8th

SCANNED BY/DATE:

CHECKED BY/DATE:



CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		May 6, 2020 
TO: Land Development Services Department of Building & Safety		FROM: Jennifer Shinn, P.E. Flood Control, Engr. Associate Department of Public Works
SUBJECT:	COPIES TO:	
Drainage Study for:	Westwood Professional Services	
Skye Canyon – Phases 3B & 3C Infrastructure – Update #3		
Cross Streets:	M F Land LLC / Ninety-Five Management LLC	
NWC of Skye Village Road & Skye Canyon Park Drive		
File Number:	F:\Depot\DSMemos\DS4953H.doc	Bart Anderson, P.E., DevCo
Parcel Number:	126-12-101-002	CCRFCD
Zoning Action:		
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	2/8/2017	3/9/2018 & 5/15/2018	Not Approved	\$400.00	493315: \$400
2 nd Submittal	9/11/2018	10/10/2018	Conditional Approval	\$400.00	498970: \$400
3 rd Submittal	5/30/2019	6/13/2019 & Revised 9/26/2019	See Comments Below	\$100.00	3151006: \$100
4 th Submittal	2/20/2020	2/20/2020	Approved	N/C	N/C
5 th Submittal	3/11/2020	4/9/2020	Conditional Approval	\$100.00	3776980: \$100
6 th Submittal	4/30/2020	5/5/2020	Conditional Approval	N/C	N/C
7 th Submittal	7/2/2020	7/2/2020	Approved	N/C	N/C
8 th Submittal	4/21/2021	5/6/2021	Approved	\$100.00	4257244: \$100
TOTAL FEES (LDDRS):				\$1100.00	----

REMARKS:

8th Submittal: Update #3 to build full street improvements in Shaumber Road (Eagle Canyon Avenue to Skye Canyon park Drive) and Skye Canyon Park Drive (Shaumber Road to Egan Crest Drive), and half street in Shaumber (Skye canyon Park Drive to Iron Mountain Road)

7th Submittal: CCRFCD concurrence

6th Submittal: Update #2 Supplement to decrease oversized pipe

5th Submittal: Update #2 to address Land Use changes, upsize facilities accordingly, and shifts in SD alignment due to utility conflicts

4th Submittal: CCRFCD Concurrence

3rd Submittal: Update #1 to shift the storm drain alignment in Iron Mountain Road 1-ft to the north from Station "IMR" 107+46.33 to Station "IMR" 83+26.07

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 following conditions are repeated until they are complete:

1. Drop inlets SRDI#1A and SRDI#2A are in excess of 10' deep. All storm drain inlets that are more than 10'-deep require a special structural detail and calculations. Submit structural design and calculations to City Building & Safety Department for review and approval prior to the final approval of the drainage study.
2. *Skye Canyon Phases 3B & 3C* onsite developments are to be flood protected by *Detention Basin 2* and the *Skye Canyon Phase 3A Infrastructure*. No occupancy permits within onsite *Phases 3B & 3C* will be issued prior to the substantial completion of *Detention Basin 2 with the outfall facility (from Detention Basin 2 in Iron Mountain Road to Skye Village Road)* and the substantial completion of the *Skye Canyon Phase 3A Infrastructure*.
3. The future MPU facility within Skye Village Road north of the Skye Village/Grand Canyon/Iron Mountain intersection to the proposed MPU facility at the Kyle Canyon interchange area shall be substantially complete before occupancy of residential Units beyond Phases 3A, 3B and 3C. This includes residential development within Phases 4 & 6 and the development of Phase 5 as shown on the *Development Phasing Exhibit* dated 12/4/2017.
4. The implementation of the CCRFCD Master Plan for the Skye Canyon Master Development is being progressed with the current construction of the *Moccasin Rd. CCRFCD Flood Control Facility – US95/Kyle Canyon Rd Interchange to Moccasin Rd. (Skye Canyon Developer Funded)* and the *Moccasin Rd. CCRFCD Flood Control Facility – Moccasin Rd to CCRFCD Facility LVUP 1076/1077(CCRFCD Funded)*. Once building permits are released for 75% of the Skye Canyon Development west of US-95 these critical facilities shall be substantially complete in accordance with the provisions of Title 19.02.130 D.
5. The implementation of the CCRFCD Master Plan is being progressed with the recent bid opening of the NDOT US-95 facilities from the CC-215 interchange north to the Kyle Canyon interchange. Construction of the associated CCRFCD MPU facilities allows for the utilization of the existing MPU facilities constructed with the Horse Interchange. The development of Phases 3A, 3B and 3C west of US-95 shall maximize the flow collection into this facility prior to allowing flows to cross US-95 using the existing culvert system.
6. *Flood Control* acknowledges that the new *Skye Canyon Master Plan Amendment (MPA)* was included as a part of the 2018 MPU process. Any changes not incorporated in the 2018 MPU must be approved by *City of Las Vegas* and *Clark County Regional Flood Control District (CCRFCD)* and shall be adopted by the *City of Las Vegas City Council* prior to the final approval of the subject improvement plans.
7. The subject *Phases 3B and 3C Infrastructure Drainage Study* addresses the included street improvements of *Iron Mountain Road, Skye Canyon Park Drive, Shaumber Road*, culvert crossings and storm drain systems with the streets. Technical drainage studies will be required for the future onsite parcels as they develop.
8. Phase 3A, 3B, and 3C include storm drain improvements that will be abandoned in the future. These abandoned facilities will impact the adjoining Phase 3B and 3C development parcels. The individual

parcel development shall address the impact and removal of these improvements as well as include the removal of these items in the associated improvements and Bond.

9. The project proposed to build temporary drainage facilities including drainage berms/swales over the *Phases 3B, 3C* site and along the west side of *Shaumber Road*. Prior to the final plans approval the developer must complete a ***Maintenance and Liability Agreement*** for the interim drainage improvements and post a minimum maintenance bond of \$50,000 or 50-percent of the construction cost for the improvements, whichever is greater. The engineer must submit an estimate of the quantities for construction the facility and an exhibit that adequately shows the location and limits of the drainage facilities to *City Flood Control* for approval. Once the drainage study is conditionally approved, the engineer/developer should contact the *City's Land Development Section* (702-229-6371) to begin the agreement process.

In order for the maintenance bond to be released in the future, a drainage update/letter will be required to justify that the berms/swales are no longer necessary and can be removed.

10. The interim channels adjacent to the infrastructure roadways are the Maintenance responsibility of the Master Developer.

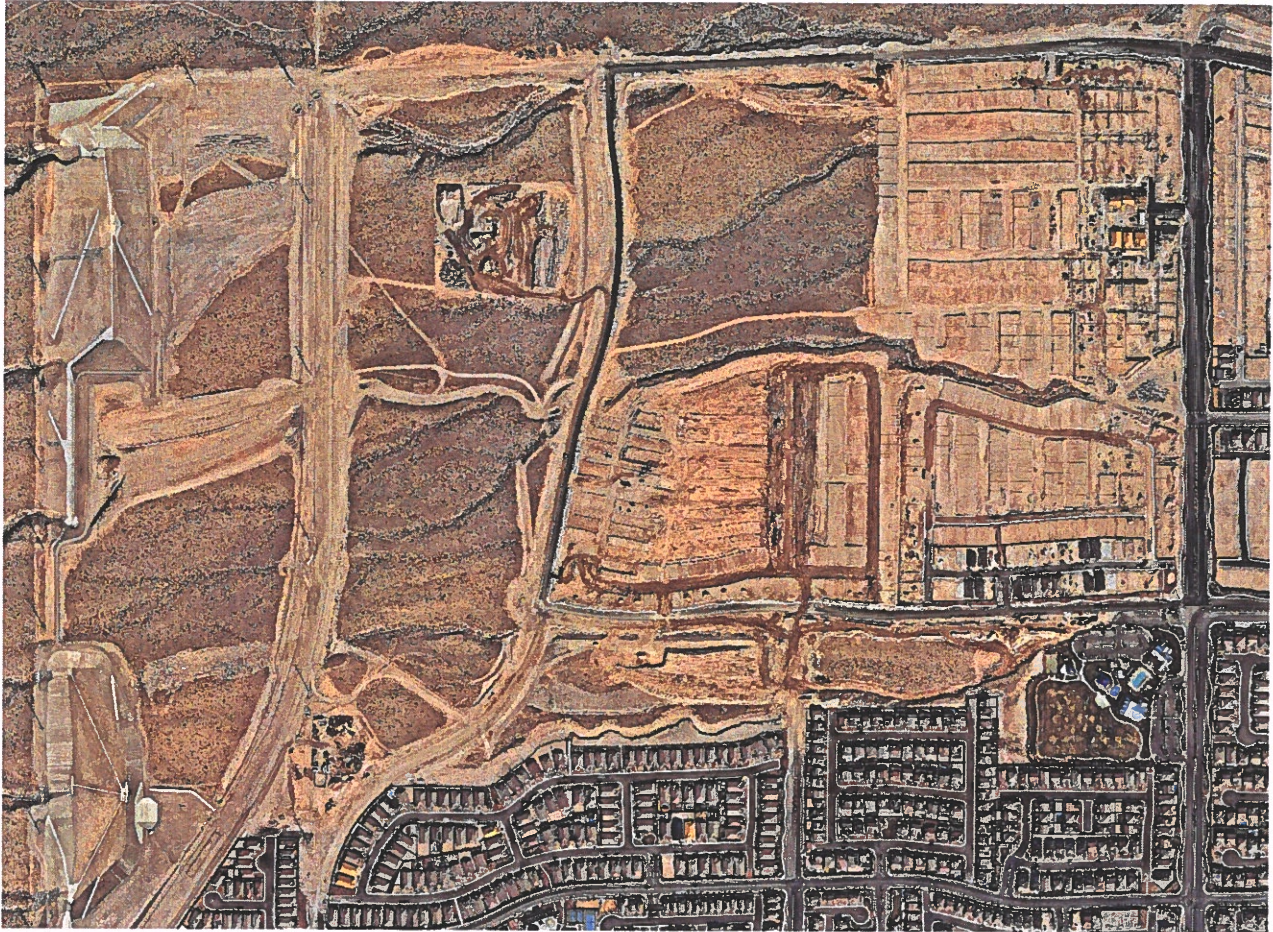
NOTE: Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the *Nevada Division of Environmental Protection* a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained 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.

END OF REMARKS

Ays/pbj/jks

T/R/S: T19S/R59E/12

AREA: F-12



TECHNICAL DRAINAGE STUDY UPDATE NO. 3

Skye Canyon Phase 3B/3C Infrastructure

APRIL 2021

PREPARED FOR:

Century Communities of Nevada, LLC.
6345 South Jones Boulevard
Las Vegas, NV 89118
Phone: 702-873-5338

PREPARED BY:

Westwood

Skye Canyon Phase 3B/3C Infrastructure

Technical Drainage Study Update No. 3

City of Las Vegas, NV

Prepared For:

Century Communities of Nevada, LLC.
6345 South Jones Boulevard
Las Vegas, NV 89118
Phone: 702-873-5338

Prepared By:

Westwood Professional Services
5725 W. Badura Avenue, Suite 100
Las Vegas, NV 89118
Phone: (702) 284-5300
Fax: (702) 284-5339



Project Number: R0024287.06
Date: April 2021

Lant Leavitt, P.E.
NV Professional Engineer No. 18287
Assisted by: Caitlyn Alcantara

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL

DRAINAGE STUDY INFORMATION FORM

Name of Development: Skye Canyon – Phase 3B/3C Infrastructure (Update #3) Date: April 2021
 Location of Development: a) Descriptive (Cross Streets): North/South: Skye Village Road
East/West: Grand Canyon Drive
 b) Section: 7 Township: 19 South Range: 60 East
 c) APN: 125-07-201-007 and a portion of 125-07-101-009

Name of Owner: Century Communities of Nevada, LLC
 Telephone No.: 702-873-5338 Fax No.: 702-220-6566 E-mail Address: Joe.Genovese@centurycommu
 Address: 6345 S. Jones Boulevard, Suite 400 Las Vegas NV 89118

Contact Person – Name: Lant Leavitt, P.E. Telephone No.: (702) 284-5300
 *E-mail Address: Lant.Leavitt@westwoodps.com Fax No.: (702) 284-5399
 Firm: Westwood Professional Services
 Address: 5725 W. Badura Ave, #100 Las Vegas NV 89118

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	☐

1. Total Owned Land Area: At Site: 665 Acres Being Developed/Disturbed: 20 Acres +/-
 2. Is a portion or all of the subject property located in a 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.): Roadway & Storm Drain Infrastructure
 5. Approximate upstream land area which drains to the subject site: 1800 acre +/-
 6. Has the site drainage been evaluated in the past? ☒ Yes** ☐ No If yes, please identify documentation: Master Drainage Study for Skye Canyon Update #7 (WPS, DS4420), Skye Canyon – Phase 3B/3C Infrastructure (Update #2)

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: Skye Village Road thru MOHU 0036.

8. Briefly describe your proposed schedule for the subject project: ASAP
Phase 3B/3C – Roadway Infrastructure per this TDS; Future Phase 3B/3C Residential Subdivisions to follow by separate TDS.



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.

***Newly Required Field**

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

Revision	Date

Local Entity File No. _____

REFERENCE:

STANDARD FORM 1

Updated 05/01/2008

RO024287.06

April 21, 2021

Albert Sung, P.E.
Flood Control Project Engineer
City of Las Vegas Department of Public Works
495 S. Main Street
Las Vegas, NV 89101

Subject: Technical Drainage Study Update No. 3 for Skye Canyon Phase 3B/3C Infrastructure (DS4953)

Mr. Sung:

Submitted for your review is this *Technical Drainage Study Update No. 3 for Skye Canyon Phase 3B/3C Infrastructure* (hereinafter referred to as the Update 3 Study). The original *Technical Drainage Study for Skye Canyon Phase 3B/3C Infrastructure* (hereinafter referred to as the Original Study) prepared by Slater Hanifan Group (SHG) was conditionally approved by the City of Las Vegas (City) on October 10, 2018. The Original Study has since been updated and conditionally approved in the Update 1 Study approved on September 26, 2019 and in the Update 2 Study approved on the May 5, 2020. Approval letters and relevant reference material has been provided in Appendix A.

The Update 3 Study has been provided to justify the following proposed street improvements to Shaumber Road and Skye Canyon Park Drive:

- Shaumber Road Full Street Improvements - Eagle Canyon Avenue to Skye Canyon Park Drive
- Shaumber Road Half Street Improvements - Skye Canyon Park Drive to Iron Mountain Road
- Skye Canyon Park Drive Full Street Improvements - Shaumber Road to Egan Crest Drive

No new hydrologic or hydraulic computations have been provided in the Update 3 Study. The Original Study provided street section computations illustrating the proposed Update 3 improvements as fully built and utilizing conservative flows as shown in the report text. The conservative computations were provided to properly size the proposed Original Study drainage improvements. The Update 3 Study installs the improvements that the Original Study designed and considered as a future condition. All referenced street sections meet street flow criteria and all proposed drainage improvements concur with the Original Study's recommendations. The street sections referenced from the Original Study have been provided in Appendix A.

The Update 3 Study and the proposed improvements are in conformance with the following:

- This project is in compliance with all the applicable drainage laws as recognized by the state of Nevada as well as all the applicable design standards stipulated in the CCRFCD "*Hydrologic Criteria and Drainage Design Manual*".
- This project is in compliance with the 2018 CCRFCD "Master Plan Update."

- The entire project site is located outside of the FEMA designated Special Flood Hazard Area (SFHA). The site and the proposed improvements are located within a FEMA flood Zone "X" (unshaded). Therefore, notification and/or coordination with FEMA are not required for this project.

The revised improvement plans are included with this submittal to support the conclusions detailed in this study. If you have any questions or require additional information, please contact us at (702) 284-5300.

Respectfully Submitted,

WESTWOOD PROFESSIONAL SERVICES



Lant Leavitt, P.E.
Project Manager
Water Resources Department

pc: Mark Failla, P.E., CFM – Westwood
Todd Steadham, P.E. – Westwood

List of Appendices

Appendix A Reference Material
Technical Drainage Study for Skye Canyon Phase 3B/3C Infrastructure
(DS4953)

- Approval Letters
- Referenced Report Text
- Referenced Drainage Exhibits
- Referenced Improvement Plans (with clouded revisions)

Appendix B Improvement Plans & CD of Electronic Files

APPENDIX A

Reference Material: *Skye Canyon Phase 3B/3C Infrastructure*

Approval Letters

CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		October 10, 2018
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:	
	Skye Canyon – Phases 3B & 3C Infrastructure	
Cross Streets:	NWC of Skye Village Road & Skye Canyon Park Drive	
File Number:	F:\Depot\DSMemos\DS4953B.doc	
Parcel Number:	126-12-101-002	
Zoning Action:		
FEMA Flood Zone	YES	NO X
Proposed Storm Drain	YES X	NO
		COPIES TO: Slater Hanifan Group M F Land LLC / Ninety-Five Management LLC Bart Anderson, P.E., DevCo CCRFCFCD

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	2/8/2017	3/9/2018 & 5/15/2018	Not Approved	\$400.00	493315: \$400
2 nd Submittal	9/11/2018	10/10/2018	See Comments Below	\$400.00	498970: \$400
			TOTAL FEES (LDDRS):	\$800.00	----

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

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

1. The site is adjacent to or crosses an existing or proposed *Clark County Regional Flood Control District* (CCRFCFCD) master planned facility. Therefore, CCRFCFCD concurrence is required prior to final approval of the drainage study. CCRFCFCD requires receipt of structural approval from the Building Department prior to concurrence.
2. *Skye Canyon Phases 3B & 3C* onsite developments are to be flood protected by *Detention Basin 2* and the *Skye Canyon Phase 3A Infrastructure*. No occupancy permits within onsite *Phases 3B & 3C* will be issued prior to the substantial completion of *Detention Basin 2 with the outfall facility (from Detention Basin 2 in Iron Mountain Road to Skye Village Road)* and the substantial completion of the *Skye Canyon Phase 3A Infrastructure*.
3. The future MPU facility within Skye Village Road north of the Skye Village/Grand Canyon/Iron Mountain intersection to the proposed MPU facility at the Kyle Canyon interchange area shall be substantially complete before occupancy of residential Units beyond Phases 3A, 3B and 3C. This includes residential development within Phases 4 & 6 and the development of Phase 5 as shown on the *Development Phasing Exhibit* dated 12/4/2017.
4. The implementation of the CCRFCFCD Master Plan for the Skye Canyon Master Development is being progressed with the recent 90% design submittal of the *Moccasin Rd. CCRFCFCD Flood Control Facility – US95/Kyle Canyon Rd Interchange to Moccasin Rd. (Skye Canyon Developer Funded)* and

the *Moccasin Rd. CCRFCD Flood Control Facility – Moccasin Rd to CCRFCD Facility LVUP 1076/1077(CCRFCD Funded)*. Once building permits are released for 75% of the Skye Canyon Development west of US-95 these critical facilities shall be substantially complete in accordance with the provisions of Title 19.02.130 D.

5. The implementation of the CCRFCD Master Plan is being progressed with the recent bid opening of the NDOT US-95 facilities from the CC-215 interchange north to the Kyle Canyon interchange. Construction of the associated CCRFCD MPU facilities allows for the utilization of the existing MPU facilities constructed with the Horse Interchange. The development of Phases 3A, 3B and 3C west of US-95 shall maximize the flow collection into this facility prior to allowing flows to cross US-95 using the existing culvert system.
6. *Flood Control* acknowledges that the new *Skye Canyon Master Plan Amendment (MPA)* is being included as a part of the 2018 MPU process. Any changes not incorporated in the 2018 MPU must be approved by *City of Las Vegas* and *Clark County Regional Flood Control District (CCRFCD)* and shall be adopted by the *City of Las Vegas City Council* prior to the final approval of the subject improvement plans.
7. The subject *Phases 3B and 3C Infrastructure Drainage Study* addresses the included street improvements of *Iron Mountain Road, Skye Canyon Park Drive, Shaumber Road*, culvert crossings and storm drain systems with the streets. Technical drainage studies will be required for the future onsite parcels as they develop.
8. Since the streets network and the associated storm drain facilities will eventually be accepted by the ***City of Las Vegas***, the engineer/developer must coordinate with *City of Las Vegas Streets & Sanitation Department* for their review and approval prior to the final approval of the improvement plans.
9. Structural plans for the storm drain improvements must be submitted for review by *Flood Control* and the *Building Department*. Provide a soil report, structural calculations and specifications, wet stamped structural sets and a grading plan to the *City of Las Vegas Building Department* for processing (call *Building Department* to confirm their submittal requirements). The engineer must provide a copy of *Building Department* approval of the structures to *City Flood Control Section* prior to the final acceptance of the improvement plans.
10. Phase 3A, 3B, and 3C include storm drain improvements that will be abandoned in the future. These abandoned facilities will impact the adjoining Phase 3B and 3C development parcels. The individual parcel development shall address the impact and removal of these improvements as well as include the removal of these items in the associated improvements and Bond.
11. The project proposed to build temporary drainage facilities including drainage berms/swales over the *Phases 3B, 3C* site and along the west side of *Shaumber Road*. Prior to the final plans approval the developer must complete a ***Maintenance and Liability Agreement*** for the interim drainage improvements and post a minimum maintenance bond of \$50,000 or 50-percent of the construction cost for the improvements, whichever is greater. The engineer must submit an estimate of the quantities for construction the facility and an exhibit that adequately shows the location and limits of the drainage facilities to *City Flood Control* for approval. Once the drainage study is conditionally approved, the engineer/developer should contact the *City's Land Development Section (702-229-6371)* to begin the agreement process.

In order for the maintenance bond to be released in the future, a drainage update/letter will be required to justify that the berms/swales are no longer necessary and can be removed.

12. Revise the typical access road sections on Sheet DTL-01 of each plan set to clearly show 1% minimum cross slope.
13. Provide nominal inlets along the arterial streets that do not exceed 660' maximum spacing.

14. Provide off-site grading permission for areas outside of the Skye Canyon Development impacted by these infrastructure improvements. Provide the notarized letter of off-site grading permission prior to final approval of the improvement plans.
15. Provide drop inlets upstream of the roadway cross fall transitions to collect flow before it spills across the intersections.
16. The interim channels adjacent to the infrastructure roadways are the Maintenance responsibility of the Master Developer.

17. Iron Mountain Road Improvement Plans:

Provide ½ street roadway improvements in Iron Mountain between the Sheep Mountain Parkway and Shaumber Road. Revise the plans and sections accordingly.

Sheet PP-04 to Sheet PP-07: Offsite grading is proposed in the adjacent parcels to the north of *Iron Mountain Road*. The land parcels are owned by various private owners and the BLM. Obtain notarized letter of permission for grading from all the impacted owners and BLM prior to the final acceptance of the improvement plans.

Sheet PP-04: Explain why the drop inlet is in a “sump” condition.

Sheet PP-05: Label the length of the proposed drop inlet at Sta. 94+36.89 (**second request**).

18. Skye Canyon Park Drive Improvement Plans:

Sheet PP-02 and Sheet PP-03: The City requires nominal drop inlet at a maximum spacing of 600' in public right of ways. The distance between a proposed drop inlet in *Skye Canyon Park Drive* (see Sheet PP-03) and the *Shaumber Road* intersection is more than 1,200 feet. Extend the proposed 18" storm drain to approximately Sta. 46+00 with a nominal inlet on the north side and a stub to the south (**second request**).

19. Shaumber Road Improvement Plans:

Sheet PP-03 and Sheet PP-04: Extend the storm drain at SDMH #20 to the south with an 18" pipe to approximately Sta. 36+00. Provide two stubs at the end of the 18"-storm drain (**second request**).

Sheets PP-06 to PP-08: Extend the storm drain at SDMH #65 (in Sheet PP-08) to the south with an 18" pipe to approximately Sta. 56+00. Provide two stubs at the end of the 18" storm drain (Sheet PP-06) and another two stubs at approximately Sta. 62+00 (Sheet PP-07) (**second request**).

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.

END OF REMARKS

Ays/pbj

T/R/S: T19S/R59E/12

AREA: F-12

CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		June 13, 2019 REVISED September 26, 2019
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:
	Skye Canyon – Phases 3B & 3C Infrastructure – Update #1	Slater Hanifan Group
Cross Streets:	NWC of Skye Village Road & Skye Canyon Park Drive	M F Land LLC / Ninety-Five Management LLC
File Number:	F:\Depot\DSMemos\DS4953Crev.doc	Bart Anderson, P.E., DevCo
Parcel Number:	126-12-101-002	CCRFCD
Zoning Action:		
FEMA Flood Zone	YES NO X	
Proposed Storm Drain	YES X NO	

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TOTAL FEES (LDDRS):				\$900.00	----

REMARKS: Revised 9/26/2019 to reflect improvement plans.

3rd Submittal: Update #1 to shift the storm drain alignment in Iron Mountain Road 1-ft to the north from Station "IMR" 107+46.33 to Station "IMR" 83+26.07

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

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

Flood Control understands that there is a Land Use change along the west side of Shaumber Road. A Drainage Study Update will be required to verify flow impacts and storm drain size for Shaumber Road prior to development.

The following conditions are repeated until they are complete:

1. The site is adjacent to or crosses an existing or proposed *Clark County Regional Flood Control District* (CCRFCD) master planned facility. Therefore, CCRFCD concurrence is required prior to final approval of the drainage study. CCRFCD requires receipt of structural approval from the Building Department prior to concurrence.

2. *Skye Canyon Phases 3B & 3C* onsite developments are to be flood protected by *Detention Basin 2* and the *Skye Canyon Phase 3A Infrastructure*. No occupancy permits within onsite *Phases 3B & 3C* will be issued prior to the substantial completion of *Detention Basin 2 with the outfall facility (from Detention Basin 2 in Iron Mountain Road to Skye Village Road)* and the substantial completion of the *Skye Canyon Phase 3A Infrastructure*.
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8. Structural plans for the storm drain improvements must be submitted for review by *Flood Control* and the *Building Department*. Provide a soil report, structural calculations and specifications, wet stamped structural sets and a grading plan to the *City of Las Vegas Building Department* for processing (call *Building Department* to confirm their submittal requirements). The engineer must provide a copy of *Building Department* approval of the structures to *City Flood Control Section* prior to the final acceptance of the improvement plans.
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the drainage facilities to *City Flood Control* for approval. Once the drainage study is conditionally approved, the engineer/developer should contact the *City's Land Development Section* (702-229-6371) to begin the agreement process.

In order for the maintenance bond to be released in the future, a drainage update/letter will be required to justify that the berms/swales are no longer necessary and can be removed.

11. Provide off-site grading permission for areas outside of the Skye Canyon Development impacted by these infrastructure improvements. Provide the notarized letter of off-site grading permission prior to final approval of the improvement plans.
12. Provide drop inlets upstream of the roadway cross fall transitions to collect flow before it spills across the intersections.
13. The interim channels adjacent to the infrastructure roadways are the Maintenance responsibility of the Master Developer.

14. **Iron Mountain Road Improvement Plans:**

Sheet PP-05: Label the length of the proposed drop inlet at Sta. 94+36.89.

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.

END OF REMARKS

Ays/pbj

T/R/S: T19S/R59E/12

AREA: F-12

CITY OF LAS VEGAS			DATE: May 5, 2020		
INTER-OFFICE MEMORANDUM					
TO: Land Development Services Department of Building & Safety			FROM: Jennifer Shinn, P.E. Flood Control, Engr. Associate Department of Public Works		
SUBJECT: Drainage Study for:			COPIES TO:		
Skye Canyon – Phases 3B & 3C Infrastructure – Update #2			Westwood Professional Services		
Cross Streets:	NWC of Skye Village Road & Skye Canyon Park Drive		M F Land LLC / Ninety-Five Management LLC		
File Number:	F:\Depot\DSMemos\DS4953F.doc		Bart Anderson, P.E., DevCo		
Parcel Number:	126-12-101-002		CCRFCD		
Zoning Action:					
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	2/8/2017	3/9/2018 & 5/15/2018	Not Approved	\$400.00	493315: \$400
2 nd Submittal	9/11/2018	10/10/2018	Conditional Approval	\$400.00	498970: \$400
3 rd Submittal	5/30/2019	6/13/2019 & Revised 9/26/2019	See Comments Below	\$100.00	3151006: \$100
4 th Submittal	2/20/2020	2/20/2020	Approved	N/C	N/C
5 th Submittal	3/11/2020	4/9/2020	Conditional Approval	\$100.00	\$100
6 th Submittal	4/30/2020	5/5/2020	Conditional Approval	N/C	N/C
TOTAL FEES (LDDRS):				\$1000.00	----

REMARKS:

6th Submittal: Update #2 Supplement to decrease oversized pipe

5th Submittal: Update #2 to address Land Use changes, upsize facilities accordingly, and shifts in SD alignment due to utility conflicts

4th Submittal: CCRFCD Concurrence

3rd Submittal: Update #1 to shift the storm drain alignment in Iron Mountain Road 1-ft to the north from Station "IMR" 107+46.33 to Station "IMR" 83+26.07

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

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

The following conditions are repeated until they are complete:

- This drainage study is acceptable in concept;** however, City of Las Vegas will not formally accept the study until the Clark County Regional Flood Control District (CCRFCD) has issued a letter of

concurrence. The engineer should contact the CCRFCD to confirm that they have begun their review.

2. All special structures and mainline storm drain connection require details and structural calculations to be reviewed by the *City of Las Vegas Building & Safety Department*. Approval by the *Building Department* must be obtained prior to the final approval of the subject drainage study.
3. *Skye Canyon Phases 3B & 3C* onsite developments are to be flood protected by *Detention Basin 2* and the *Skye Canyon Phase 3A Infrastructure*. No occupancy permits within onsite *Phases 3B & 3C* will be issued prior to the substantial completion of *Detention Basin 2 with the outfall facility (from Detention Basin 2 in Iron Mountain Road to Skye Village Road)* and the substantial completion of the *Skye Canyon Phase 3A Infrastructure*.
4. The future MPU facility within Skye Village Road north of the Skye Village/Grand Canyon/Iron Mountain intersection to the proposed MPU facility at the Kyle Canyon interchange area shall be substantially complete before occupancy of residential Units beyond Phases 3A, 3B and 3C. This includes residential development within Phases 4 & 6 and the development of Phase 5 as shown on the *Development Phasing Exhibit* dated 12/4/2017.
5. The implementation of the CCRFCD Master Plan for the Skye Canyon Master Development is being progressed with the recent 90% design submittal of the *Moccasin Rd. CCRFCD Flood Control Facility – US95/Kyle Canyon Rd Interchange to Moccasin Rd. (Skye Canyon Developer Funded)* and the *Moccasin Rd. CCRFCD Flood Control Facility – Moccasin Rd to CCRFCD Facility LVUP 1076/1077(CCRFCD Funded)*. Once building permits are released for 75% of the Skye Canyon Development west of US-95 these critical facilities shall be substantially complete in accordance with the provisions of Title 19.02.130 D.
6. The implementation of the CCRFCD Master Plan is being progressed with the recent bid opening of the NDOT US-95 facilities from the CC-215 interchange north to the Kyle Canyon interchange. Construction of the associated CCRFCD MPU facilities allows for the utilization of the existing MPU facilities constructed with the Horse Interchange. The development of Phases 3A, 3B and 3C west of US-95 shall maximize the flow collection into this facility prior to allowing flows to cross US-95 using the existing culvert system.
7. *Flood Control* acknowledges that the new *Skye Canyon Master Plan Amendment (MPA)* was included as a part of the 2018 MPU process. Any changes not incorporated in the 2018 MPU must be approved by *City of Las Vegas* and *Clark County Regional Flood Control District (CCRFCD)* and shall be adopted by the *City of Las Vegas City Council* prior to the final approval of the subject improvement plans.
8. The subject *Phases 3B and 3C Infrastructure Drainage Study* addresses the included street improvements of *Iron Mountain Road, Skye Canyon Park Drive, Shaumber Road*, culvert crossings and storm drain systems with the streets. Technical drainage studies will be required for the future onsite parcels as they develop.
9. Phase 3A, 3B, and 3C include storm drain improvements that will be abandoned in the future. These abandoned facilities will impact the adjoining Phase 3B and 3C development parcels. The individual parcel development shall address the impact and removal of these improvements as well as include the removal of these items in the associated improvements and Bond.
10. The project proposed to build temporary drainage facilities including drainage berms/swales over the *Phases 3B, 3C* site and along the west side of *Shaumber Road*. Prior to the final plans approval the developer must complete a ***Maintenance and Liability Agreement*** for the interim drainage improvements and post a minimum maintenance bond of \$50,000 or 50-percent of the construction cost for the improvements, whichever is greater. The engineer must submit an estimate of the quantities for construction the facility and an exhibit that adequately shows the location and limits of the drainage facilities to *City Flood Control* for approval. Once the drainage study is conditionally

approved, the engineer/developer should contact the *City's Land Development Section* (702-229-6371) to begin the agreement process.

In order for the maintenance bond to be released in the future, a drainage update/letter will be required to justify that the berms/swales are no longer necessary and can be removed.

11. The interim channels adjacent to the infrastructure roadways are the Maintenance responsibility of the Master Developer.

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.

END OF REMARKS

Ays/pbj/jks

T/R/S: T19S/R59E/12

AREA: F-12

Referenced Report Text

Referenced Report Text

TECHNICAL DRAINAGE STUDY
Skye Canyon
(Phase 3B, 3C Infrastructure)

City of Las Vegas, Nevada

Job No.: OLY1609.000

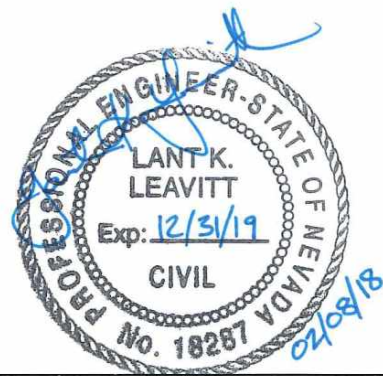
Date: February 2018

Prepared By:

Slater Hanifan Group, Inc.
5740 S. Arville Street, Suite 216
Las Vegas, Nevada 89118
Phone: 702-284-5300 • Fax: 702-284-5399

Prepared For:

Ninety-Five Management, LLC
11411 Southern Highlands Parkway, Suite 300
Las Vegas, NV 89141
Phone: 702-220-6565 • Fax: 702-220-6566



Lant Leavitt, P.E.
NV Professional Engineer No. 18287

Assisted by: Erick Mata, EI

Table 1: Flow Comparison of Concentration Points – Interim (Phase 3B, 3C) vs. Proposed Condition (Phase 3A) vs. Historic Condition (Phase 3A)

Concentration Point ID	Interim Condition-Phase 3B, 3C Q ₁₀₀ (cfs)	Proposed Condition- Phase 3A Q ₁₀₀ (cfs)	Historic Condition- Phase 3A Q ₁₀₀ (cfs)
RCP1/CP1	721	521	727
DIV2/CP2	317	228	438
RCP3/CP3	420	422	517
RCP10/CP10	769	588	780
RCP11/CP11	148	148	153
RCP12/CP12	731	697	1044

Review of Table 1 above indicates that the Phase 3B, 3C interim condition flows are lower than historic condition at all downstream discharge locations. Therefore, the proposed discharge of flows from Phase 3B, 3C to the east will not adversely impact receiving downstream facilities. Note that the Phase 3B, 3C flows at critical locations to the Phase 3a study (DIV2 and CP3) are lower than anticipated by the Phase 3A study except for DIV2. The split computed by an equal surface elevation, computation provided in Appendix D, resulted in greater (84 cfs) than the 70 cfs previously anticipated by the Phase 3A study. As a result, Street E affected by the increase was reanalyzed to show the revised flow and HGL's within the temporary storm drain alignment. See Appendix F for the Street E revised profile HGL's and flows. Note that the difference is negligible therefore the revised flow is considered acceptable for design.

5.4 Summary of Interim Condition Street Flows

Street flow hydraulics for the proposed perimeter roadways have been analyzed and are summarized on the Interim Condition Drainage Map (Exhibit F) in Appendix A.

Note that all sections have been modeled as full street sections except for sections within Iron Mountain Road. This is due to only half of the roadway being proposed within Iron Mountain Road with this Phase 3B 3C improvements. **It is worthy to note, that Shaumber Road and a portion of Skye Canyon Park Drive are also proposed as half street sections with a rough graded half but have been modeled as full street sections. This was done to adequately size all inlets and analyze street sections as fully developed with conservative flow rates.** In addition, Section 9 has been provided to show the flows from 1/2STR5 and 1/2STR7 are non-erosive within the rough graded section.

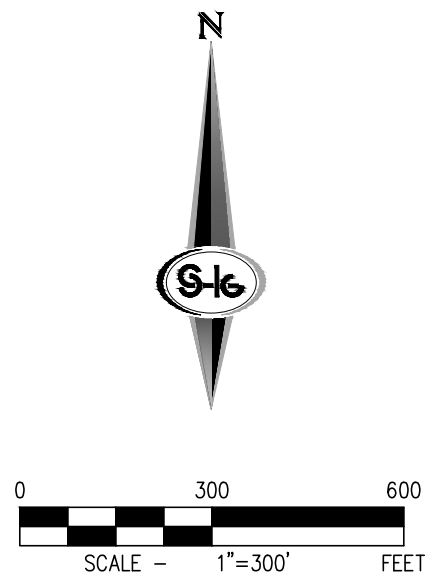
Note that the sections with erosive velocities (> 5 fps) are considered acceptable since the flow depth is within the right of way where no landscape can be eroded. All other sections generate velocities of <5 fps. All 10-yr street flow criteria are met in the 100-yr event and therefore additional computations for the 10-yr event are not necessary.

5.5 Summary of Drainage Facilities – Interim Condition

Refer to Exhibit H, for locations and sizes of all proposed drainage facilities designed to be utilized during the proposed and ultimate developed conditions of the Skye Canyon Phase 3B, 3C area. The following discussion summarize the design considerations for each mainline storm drain proposed by this study.

Report text discussing referenced street sections conservative flows with fully built geometries

Referenced Drainage Exhibit



Interim Condition Flow Rate Summary				
Concentration Points				
Basin/Concentration Point ID	Area (m ²)	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	
CP1 Q = RD82 + E01 + STR2	1.1	217	114	
CP2a Q = CP1 + 5.01 + 2.327 + 12 STR1	1.2	271	133	
CP2b Q = CP2a + EX8 + STR1 + 2.32 CP2c Q = 5.01b + 2.327 + 2.32b	1.2	350	182	
RCP1 Q = CP2b + CP2c + 10.2 + SVR1 + SVR2	1.5	709	340	
CP3a Q = CP4 + 2.097 + 2.09 + 2.31	0.2	243	92	
CP3b Q = CP3a + 2.041 + 2.08a + D1	0.2	317	118	
CP4 Q = EX2 + EX3a + STR4 + EX3a	1.1	176	69	
CP5 Q = STR8	<0.1	16	8	
RCP6 Q = RW320 + WPE4 + WSHA4	<0.1	106	49	
CP7 Q = RD81 + RQ6 + W4A + DND1 + EX7 + STR7 + EX3b	1.1	331	179	
CP8 Q = CP7 + EX01 + STR8	1.1	363	191	
CP9 Q = CP8 + RW9K	1.1	393	203	
RCP3 Q = CP9 + D1	1.1	420	217	
RCP10 Down stream Concentration Point	1.6	761	355	
RCP11 Down stream Concentration Point	<0.1	148	70	
RCP12 Down stream Concentration Point	1.3	731	358	
Reference Concentration Points				
WC20	<0.1	86	40	
RD81	0.9	71	57	
RD82	1.0	85	64	

Interim Condition 100-Year Street Flow Summary					
Section ID	Q ₁₀₀ (cfs)	Slope (%)	Depth (ft)	Velocity (fps)	DxV
1 (Q = ST4)	16	2.00	0.41	4.1	1.4
2 (Q = STW3 + Facility P27 Bypass)	10	2.00	0.36	3.8	1.4
3a (Q = WVRN1 + WVRN2)	9	2.00	0.42	4.2	1.8
3b (Q = ST2)	13	1.00	0.43	3.0	1.3
4 (Q = 1/2STW5 + Facility P17 Bypass)	6.5	4.00	0.35	5.2	1.8
5 (Q = 1/2STW1 + Facility P20 Bypass + Basin 2.32T)	8	1.50	0.43	3.6	1.6
6 (Q = ST5)	10	2.00	0.36	3.8	1.4
7 (Q = 1/2STW8 + Facility P27 Bypass)	13	4.75	0.35	5.4	1.9
8 (Q = 1/2STW8 + Facility P30 Bypass)	14	1.5	0.41	3.57	1.5
9 (Q = 1/2STW5 + 1/2STW7)	7	3.44	0.38	3.59	1.4

* Modeled as a Half Street Section
 *Referenced from the "Master Drainage Study Update No. 4"

Recommended Flood Control Drop Inlet Summary						
Facility ID	Facility Description	Total/Approaching Flow (cfs) Q₁₀₀	Facility Flow (cfs) Q₁₀₀	Surface/Bypass Flow (cfs) Q₁₀₀	Notes	
P7	20.0' Type CM2 D.I.	16	15	1	0.5 cfs bypass per inlet	
P9 & P10	17.5' Type CM2 D.I.	10	10	0		
	17.5' Type CM2 D.I.	13	13	0		
P17	17.5' Type CM2 D.I.	9	8	1	1 cfs bypass per inlet	
P20	17.5' Type CM2 D.I.	7	6	1	1 cfs bypass per inlet	
P23	20.0' Type CM2 D.I.	8	8	0		
P27	10.0' Type CM2 D.I.	10	7	3	1.5 cfs bypass per inlet	
P30	10.0' Type CM2 D.I.	13	8	5	2.5 cfs bypass per inlet	
P32	17.5' Type CM2 D.I.	14	13	1	0.5 cfs bypass per inlet	

*Note that in some areas one half of the roadway will not be utilized. Therefore, the notes identify the quantity bypassed by each drop inlet.



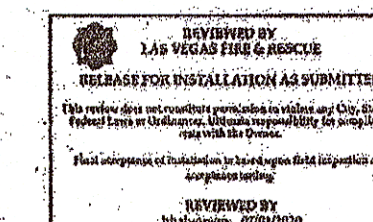
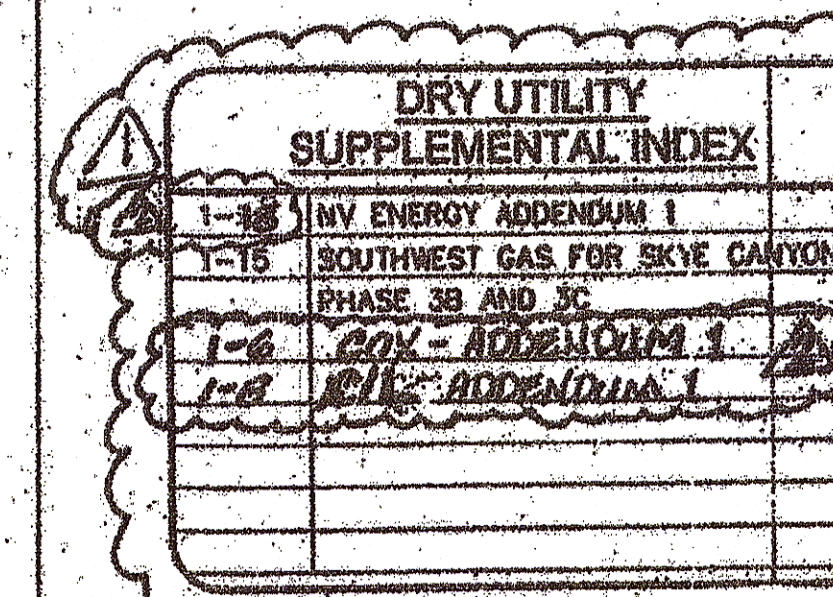
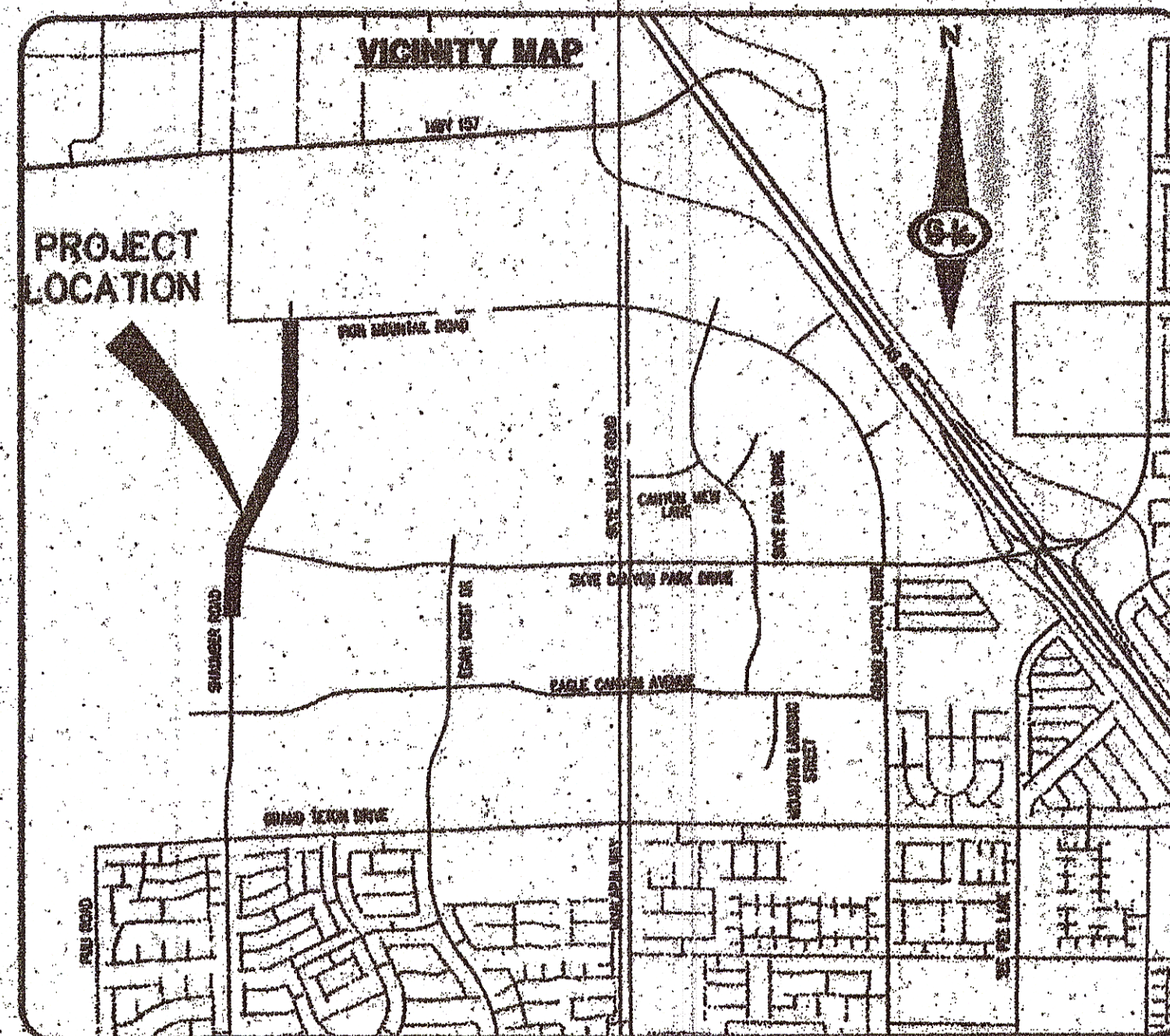
Referenced Improvement Plans



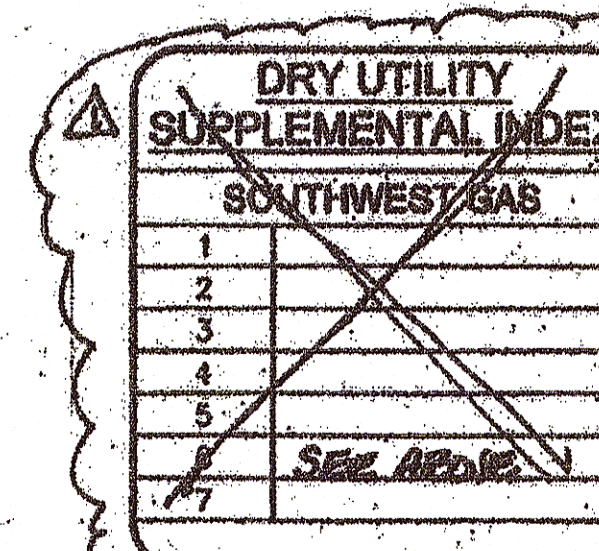
IMPROVEMENT PLANS FOR SKYE CANYON PHASE 3B, 3C SHAUMBER ROAD SKYE CANYON PARK TO IRON MOUNTAIN RD APN.126-12-101-002 28.3 AC

REVISIONS CONTINUED

NO.	DESCRIPTION	DATE	BY	APPR. DATE	APPR.
7	Relocate Sewer Sleeve	12/17/20	RM		
6	Revise MVB, Cox, & C/L	9/21/20	RM		
5	ADD IRRIGATION METER	7-20-20	RM		
4	REVISE STREET DETAIL	6-18-20	RM		



(A) only



APPROVALS

CITY ENGINEER - ALLEN C. PAVELKA PE, 60255 DATE: 6-28-19

APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY, AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIALLY LISTED UNDER DEVIATIONS FROM STANDARDS. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE FORM STANDARD DRAWINGS AND SPECIFICATIONS, CLARK COUNTY AREA, NEVADA.

CITY OF LAS VEGAS DEPARTMENT OF PLANNING DATE: N/A

THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING DEPARTMENT.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES DATE: 5/16/19

LAS VEGAS FIRE AND RESCUE DATE: 11/30/18

NY ENERGY DATE: 11/30/18

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

SOUTHWEST GAS CORPORATION DATE: 5/16/19

CSX COMMUNICATIONS LAS VEGAS, INC. DATE: 11/28/18

SHT. NO.	DWG NO.	DESCRIPTION
1	G-01	COVER SHEET
2	G-02	GENERAL NOTES
3	G-03	ABBREVIATIONS, LEGEND, AND QUANTITIES
4	TY-01	ROADWAY SECTIONS
5	PP-01	CONSTRUCTION PLAN - "SR" 22+00 TO "SR" 28+00
6	PP-02	CONSTRUCTION PLAN - "SR" 28+00 TO "SR" 34+50
7	PP-03	CONSTRUCTION PLAN - "SR" 34+50 TO "SR" 40+50
8	PP-04	CONSTRUCTION PLAN - "SR" 40+50 TO "SR" 46+50
9	PP-05	CONSTRUCTION PLAN - "SR" 46+50 TO "SR" 52+50
10	PP-06	CONSTRUCTION PLAN - "SR" 52+50 TO "SR" 58+50
11	PP-07	CONSTRUCTION PLAN - "SR" 58+50 TO "SR" 64+50
12	PP-08	CONSTRUCTION PLAN - "SR" 64+50 TO "SR" 69+50
13	PP-09	CONSTRUCTION PLAN - DB OUTFALL
14	LAT-01	STORM DRAIN LATERALS I
15	LAT-02	STORM DRAIN LATERALS II
16	GR-01	GRADING SHEET I
17	GR-02	GRADING SHEET II
18	GR-03	GRADING SHEET III
19	GR-04	GRADING SHEET IV
20	GR-05	GRADING SHEET V
21	DTL-01	STORM DRAIN DETAILS
22	UTL-01	UTL PLAN & PROFILE - "SR" 22+00 TO "SR" 28+00
23	UTL-02	UTL PLAN & PROFILE - "SR" 28+00 TO "SR" 34+50
24	UTL-03	UTL PLAN & PROFILE - "SR" 34+50 TO "SR" 40+50
25	UTL-04	UTL PLAN & PROFILE - "SR" 40+50 TO "SR" 46+50
26	UTL-05	UTL PLAN & PROFILE - "SR" 46+50 TO "SR" 52+50
27	UTL-06	UTL PLAN & PROFILE - "SR" 52+50 TO "SR" 58+50
28	UTL-07	UTL PLAN & PROFILE - "SR" 58+50 TO "SR" 64+50
29	UTL-08	UTL PLAN & PROFILE - "SR" 64+50 TO "SR" 69+50
30	UTL-09	UTILITY LATERAL I
31	UTL-10	UTILITY LATERAL II
32	UTL-11	UTILITY LATERAL III
33	TR-01	TRAFFIC PLAN I
34	TR-02	TRAFFIC PLAN II
35	TR-03	TRAFFIC PLAN III
36	TR-04	TRAFFIC PLAN IV

BENCHMARK

MONUMENT ID: USDA (1934) 19

U.S. DEPARTMENT OF AGRICULTURE BRASS DISC AT SOUTHWEST CORNER OF U.S. 95 AND KYLE CANYON ROAD

ELEVATION = 2817.61 FEET, 858.810 METERS

NAVD 88 DATUM

PER THE CITY OF LAS VEGAS BENCHMARK BOOK - 2006 ADJUSTMENT (UPDATED 05/24/2010)

BASIS OF BEARING

NORTH 89°16'30" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 80 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN FILE 147, PAGE 71 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

OWNER

M F LAND LLC
% OLYMPIA COMPANIES LLC
11411 SOUTHERN HIGHLANDS PARKWAY, SUITE 300
LAS VEGAS, NV 89141

DEVELOPER

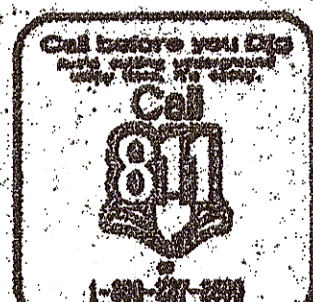
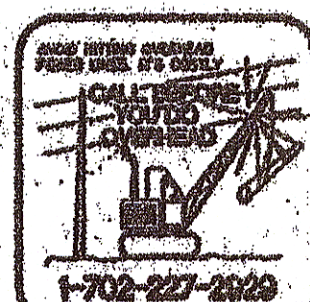
NINETY-FIVE MANAGEMENT LLC
% OLYMPIA COMPANIES LLC
11411 SOUTHERN HIGHLANDS PARKWAY, SUITE 300
LAS VEGAS, NV 89141
PH (702) 220-6565
FX (702) 220-6566

ENGINEER

SLATER HANIFAN GROUP
5740 S. ARVILLE STREET #216
LAS VEGAS, NV 89118
(702) 284-5300

CONTINGENCY NOTE

PROJECT PLAN APPROVAL IS CONTINGENT UPON APPROVAL AND CONSTRUCTION OF:
*LYVWD PROJECT #1260408, SKYE CANYON PHASE 3B, 3C SKY CANYON DRIVE



Derick Yoro

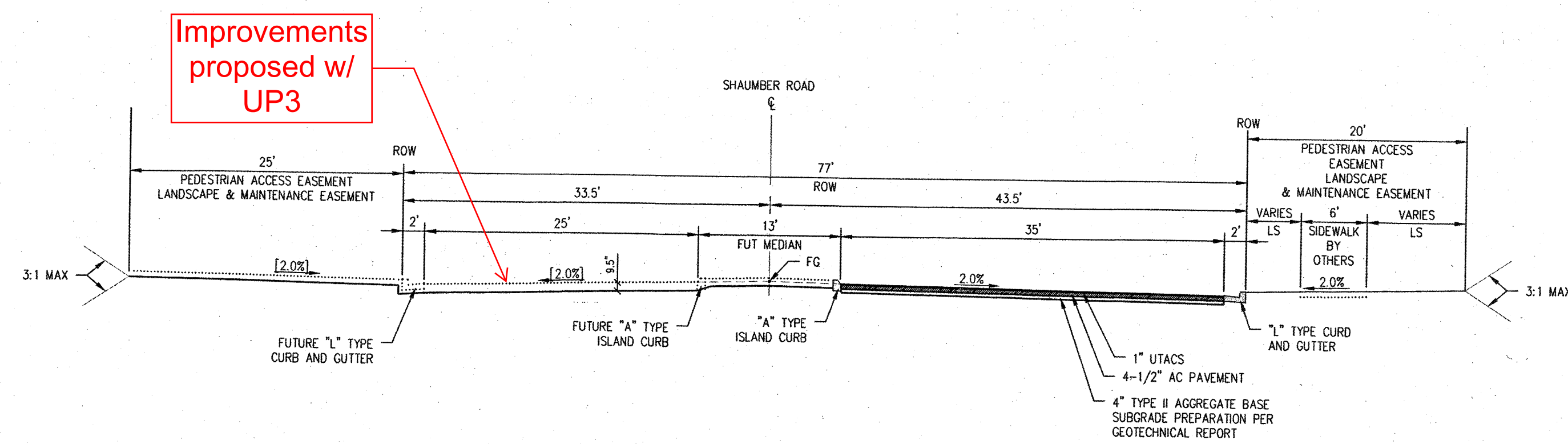
Derick Yoro

Derick Yoro

SLATER HANIFAN GROUP
a Westwood Group
5740 S. ARVILLE STREET #216, LAS VEGAS, NEVADA 89118
PHONE (702) 284-5300 FAX (702) 284-5300

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON PHASE 3B, 3C
SHAUMBER ROAD
COVER SHEET

DATE: 11/19/18
DRAFTER: HF
DESIGNER: HF
CHECKED: DY
PROJECT NO. OLY1609-000
G-01
SHEET: 1 OF 36
L18-02471
107V512

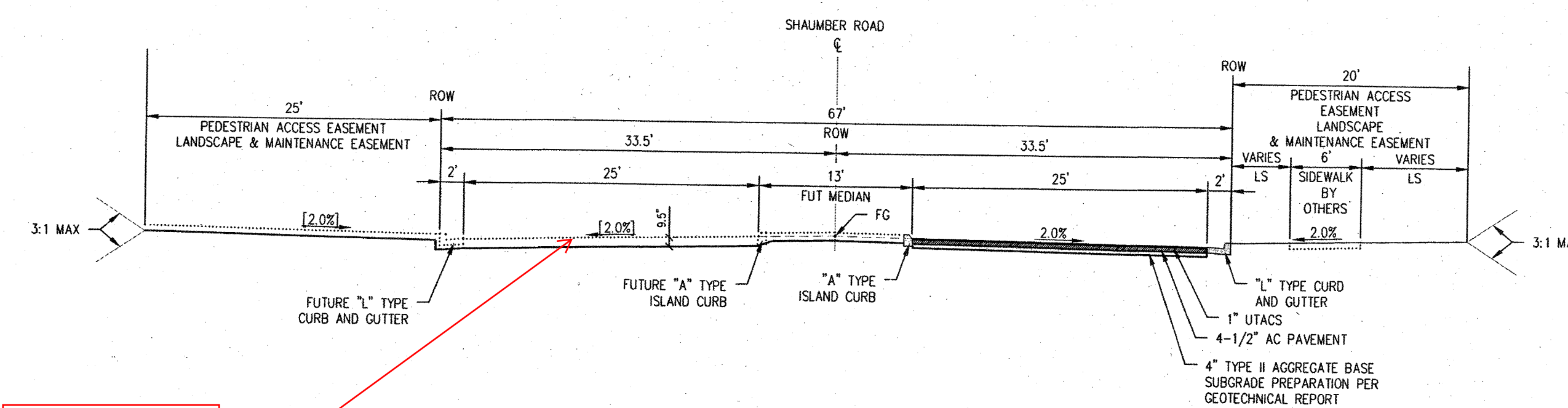


NOTE:
FINAL PAVEMENT SURFACE SHALL BE 1/2" ABOVE LIP OF GUTTER.
PAVEMENT SHALL BE FLUSH WITH LIP OF GUTTER AT SIDEWALK RAMPS.

SHAUMBER STREET (RIGHT TURN)

NOT TO SCALE

MAJOR COLLECTOR

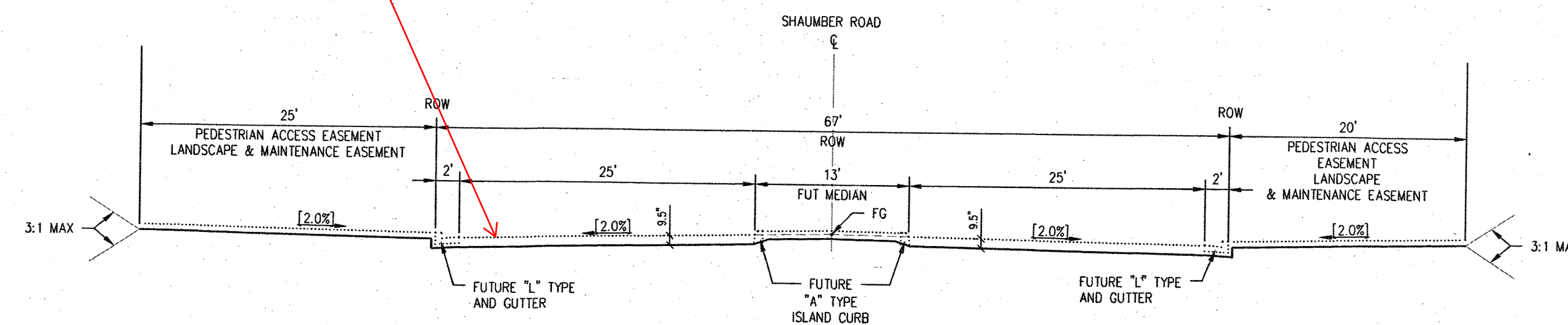


NOTE:
FINAL PAVEMENT SURFACE SHALL BE 1/2" ABOVE LIP OF GUTTER.
PAVEMENT SHALL BE FLUSH WITH LIP OF GUTTER AT SIDEWALK RAMPS.

SHAUMBER ROAD (SKYE CANYON TO IRON MOUNTAIN)
NOT TO SCALE

NOT TO SCALE

MAJOR COLLECTOR



SHAUMBER ROAD (EAGLE CANYON AVENUE TO SKYE CANYON)
NOT TO SCALE

NOT TO SCALE

MAJOR COLLECTOR

[illegible]

NINETEEN FIVE MANAGEMENT I LLC

**SKATE CANYON PHASE 3B
SHAUMBER ROAD
ROADWAY SECTIONS**



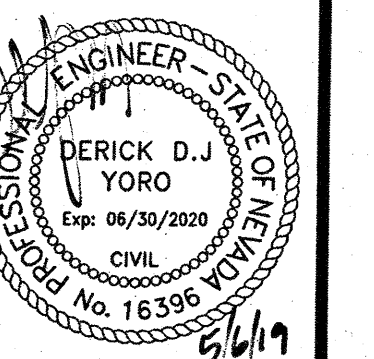
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RAFTER: HF

DESIGNER: HF

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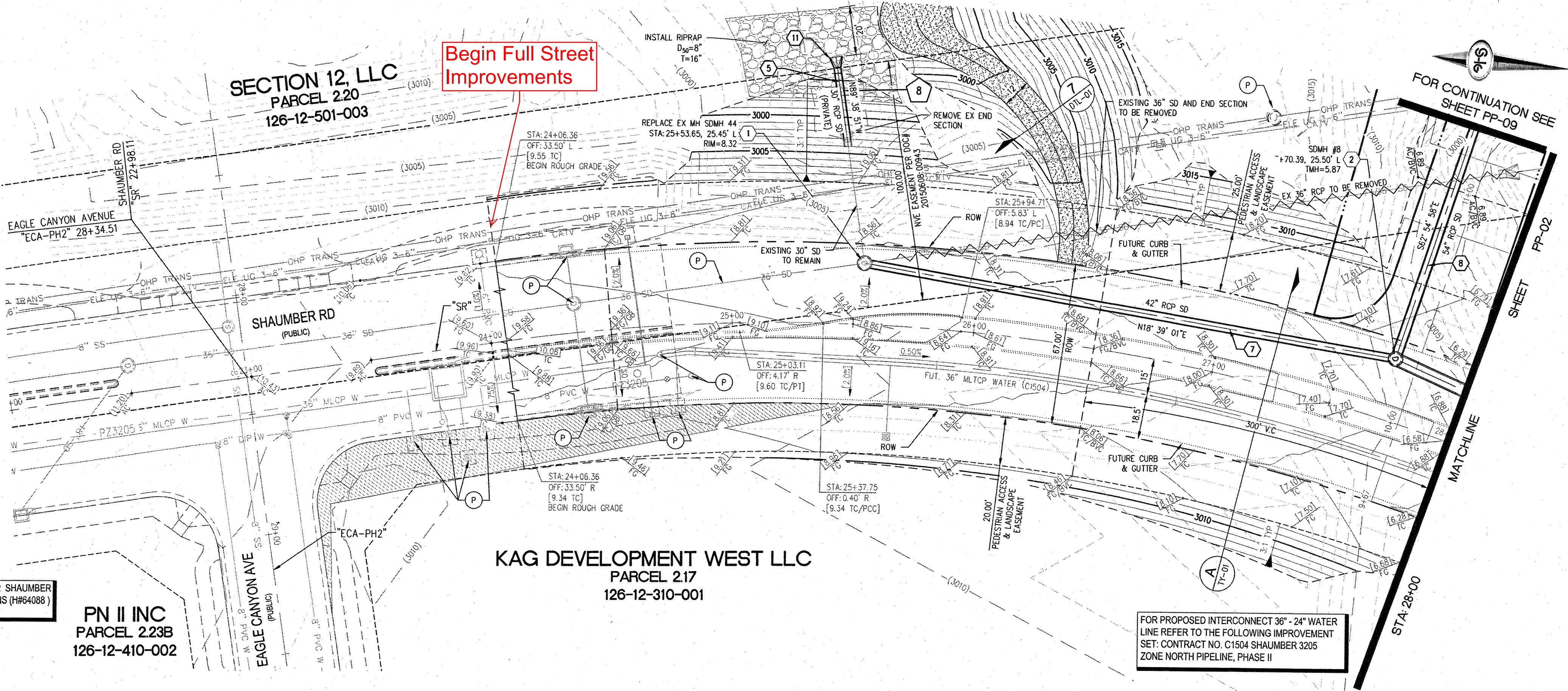
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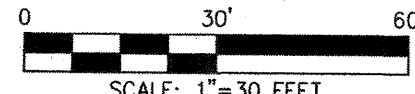
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SHEET 4 OF 44

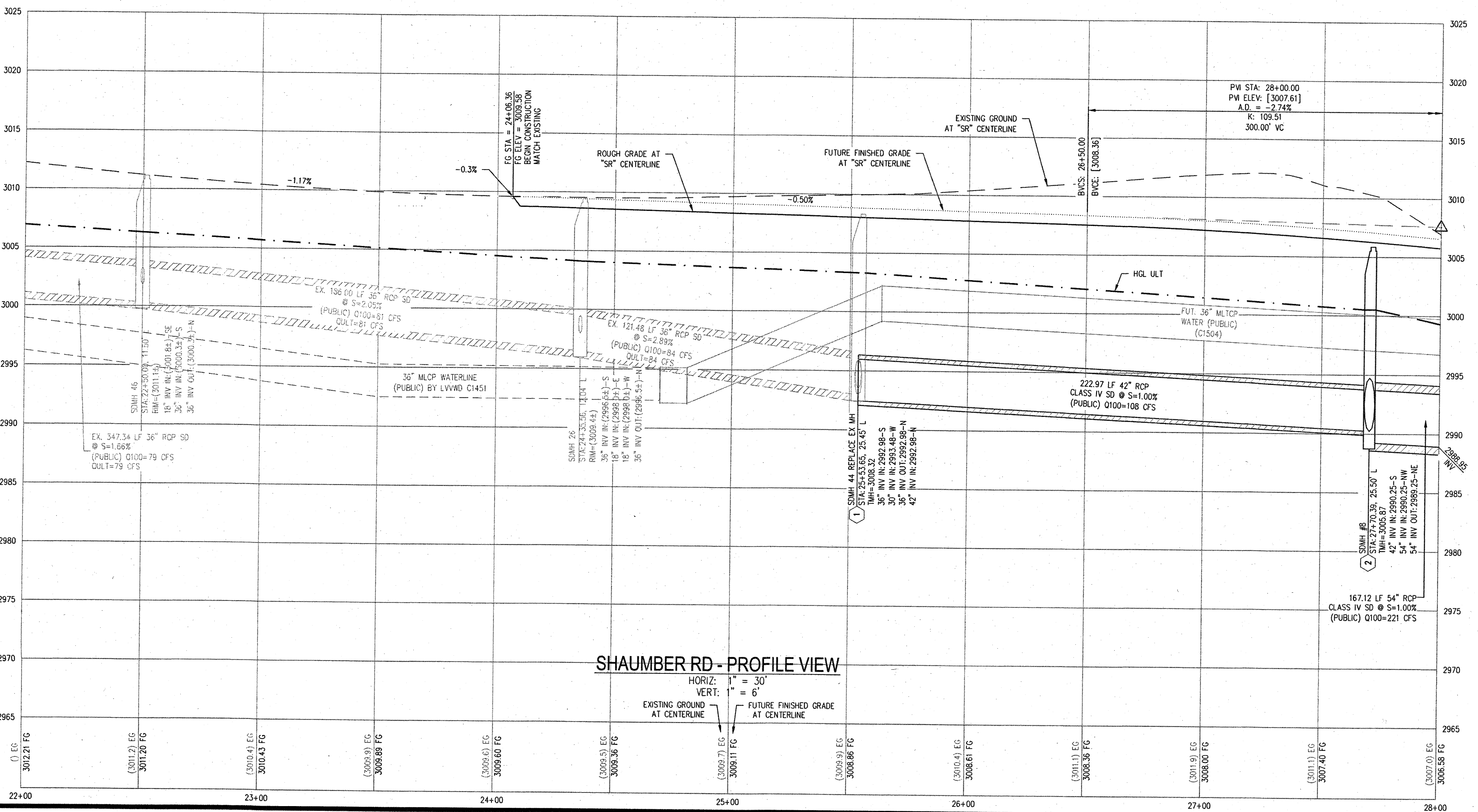
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07V7512



SHAUMBER RD - PLAN VIEW
(PUBLIC)

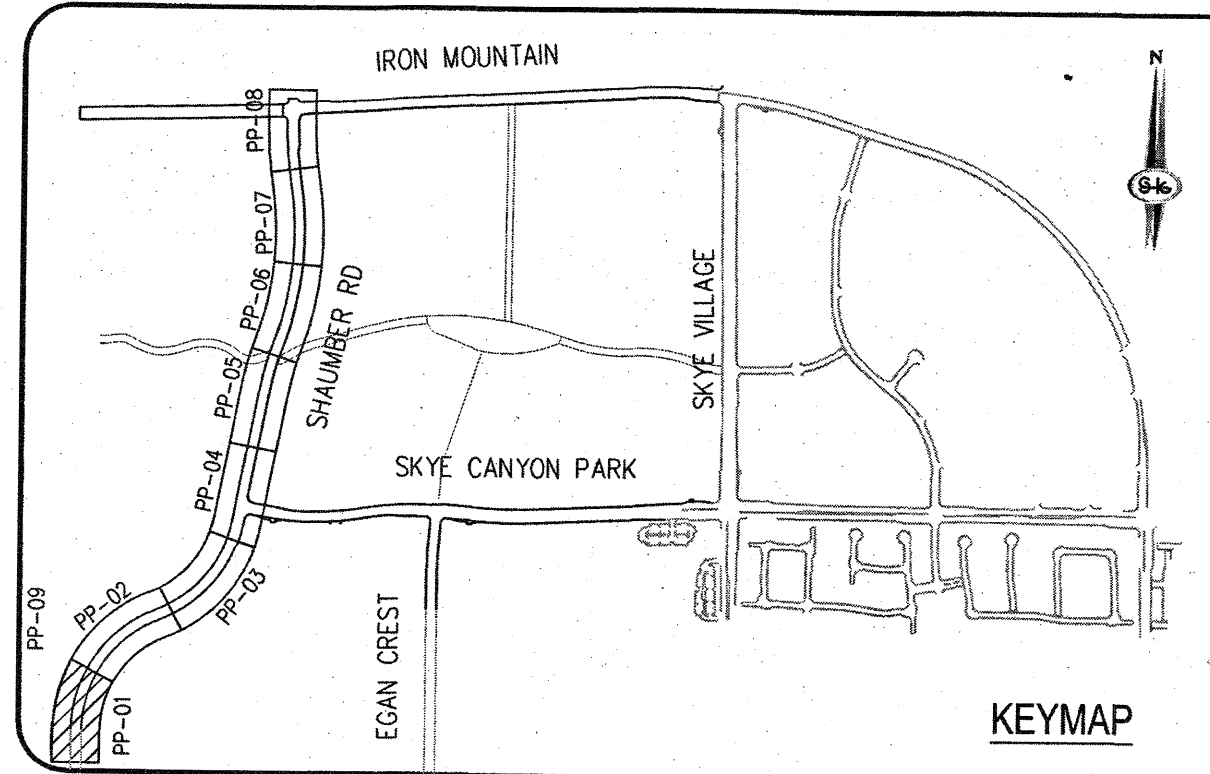


NOTE:
ALL INTERIM DRAINAGE FACILITIES TO BE PRIVATELY
MAINTAINED BY MASTER DEVELOPER



SHAUMBER RD - PROFILE VIEW

HORIZ: 1\"/>



CONSTRUCTION NOTES		
1	CONSTRUCT 1\"/>	
2	CONSTRUCT 1\"/>	
3	CONSTRUCT \"A\" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)	
4	CONSTRUCT \"L\" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)	
5	CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)	
6	CONSTRUCT BUS TURN-OUT (USDCCA STD. DWG. NO. 234.1)	
7	CONSTRUCT CONCRETE SIDEWALK (USDCCA STD. DWG. 234)	
8	PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)	

STORM DRAIN NOTES		
1	CONSTRUCT 48\"/>	
2	CONSTRUCT 60\"/>	
3	INSTALL 18\"/>	
4	INSTALL 24\"/>	
5	INSTALL 30\"/>	
6	INSTALL 36\"/>	
7	INSTALL 42\"/>	
8	INSTALL 54\"/>	
9	INSTALL 60\"/>	
10	INSTALL 72\"/>	
11	INSTALL 30\"/>	
12	INSTALL 36\"/>	
13	INSTALL 42\"/>	
14	INSTALL 72\"/>	
15	CONSTRUCT TYPE \"CM2\" DROP INLET. SIZE PER PLAN (USDCCA STD. DWG. NO. 412.1 & 421)	
16	STRUCTURAL MANHOLE	
17	CONSTRUCT CONCRETE COLLAR (SEE DETAIL 3/DL-01)	
18	CONSTRUCT INTERIM BRICK AND MORTAR PLUG SEE DETAIL 2/DL-01	
19	INSTALL 24\"/>	
20	INSTALL 54\"/>	
21	INSTALL 66\"/>	

- NOTES**
- ALL ROP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
 - ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
 - ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
 - SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
 - ALL PIPES ARE PUBLICLY MAINTAINED IN PUBLIC ROW.
 - ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE. DIMENSIONS ARE TO BE BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
 - SEE TYPICAL SECTIONS.
 - SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

DROP INLET NOTE
WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BUILT, OR FLAT STRIP (WYNLEK, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND
X STORM DRAIN LATERAL (SEE LAT SHEETS)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY (S-405) ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.
DERICK YORO, P.E. 16396
DATE: 6/19

NOTE:
PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

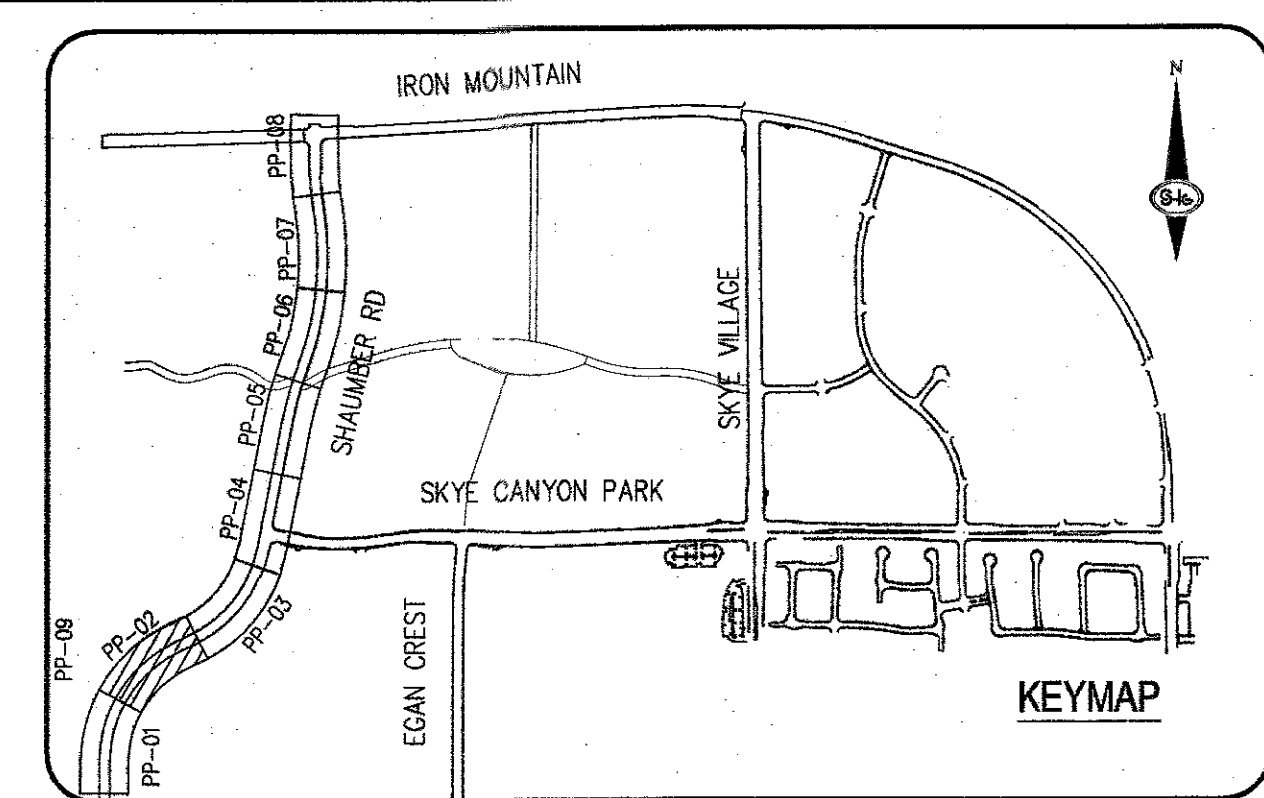
APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 126409
FIRST APPROVED DATE: 6-12-19

SLATER HANIFAN GROUP
a Westwood team
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON PHASE 3BC
SHAUMBER ROAD
CONSTRUCTION PLAN - "SR" 22+00 TO "SR" 28+00

DATE: 5/6/19
DRAFTER: HF
DESIGNER: HF
CHECKED: DY
PROJECT NO. OLY1609-000
PP-01
SHEET 5 OF 44
L18-02471
107V7512

2. V:\1609-000 SKYE CANYON PHASE 3B. 3. C:\UNIVERSITY\3B-C\SR\01\T100-000-MP-SR-DWG 5/6/2019 10:38 AM Barl Rows



CONSTRUCTION NOTES	
1	CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
2	CONSTRUCT 1" UTACS OVER 5.5" PBS OVER 6" TYPE II AGGREGATE BASE (SEE TY SHEETS)
3	CONSTRUCT "A" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)
4	CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
5	CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
6	CONSTRUCT BUS TURN-OUT (USDCCA STD. DWG. NO. 234.1)
7	CONSTRUCT CONCRETE SIDEWALK (USDCCA STD. DWG. 234)
P	PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

1	CONSTRUCT 48" TYPE II-SD MANHOLE (USDOCA STD. DWG. NO. 405.2)
2	CONSTRUCT 60" TYPE III MANHOLE (USDOCA STD. DWG. NO. 406.1)
3	INSTALL 18" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
4	INSTALL 24" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
5	INSTALL 30" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
6	INSTALL 36" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
7	INSTALL 42" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
8	INSTALL 54" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
9	INSTALL 60" RCP (USDOCA STD. DWG. NO. 503.2)
10	INSTALL 72" RCP (USDOCA STD. DWG. NO. 503.2)
11	INSTALL 30" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
12	INSTALL 36" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
13	INSTALL 42" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
14	INSTALL 72" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
15	CONSTRUCT TYPE "CM2" DROP INLET. SIZE PER PLAN (USDOCA STD. DWG. NO. 412.1 & 421)
16	STRUCTURAL MANHOLE
17	CONSTRUCT CONCRETE COLLAR (SEE DETAIL 3/DTL-01)
18	CONSTRUCT INTERM BRICK AND MORTAR PLUG SEE DETAIL 2/DTL-01
19	INSTALL 24" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
20	INSTALL 54" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
21	INSTALL 66" RCP END SECTION (NDOT STD. PLAN R-2.3.1) W/1" SACRIFICIAL CONCRETE PER STRUCTURAL DWG.

NOTES

1. ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
3. ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDOCA STD. DWG. NO. 421.
4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
5. ALL PIPES ARE PUBLICLY MAINTAINED IN PUBLIC ROW.
6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.
7. DIMENSIONS ARE TO BE BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
8. SEE SHEETS FOR TYPICAL SECTIONS.
9. SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

DROP INLET NOTE
WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

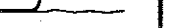
LEGEND

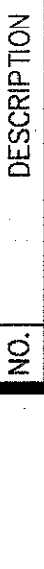
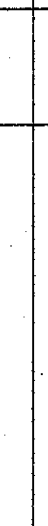
 STORM DRAIN LATERAL # (SEE LAT SHEETS)

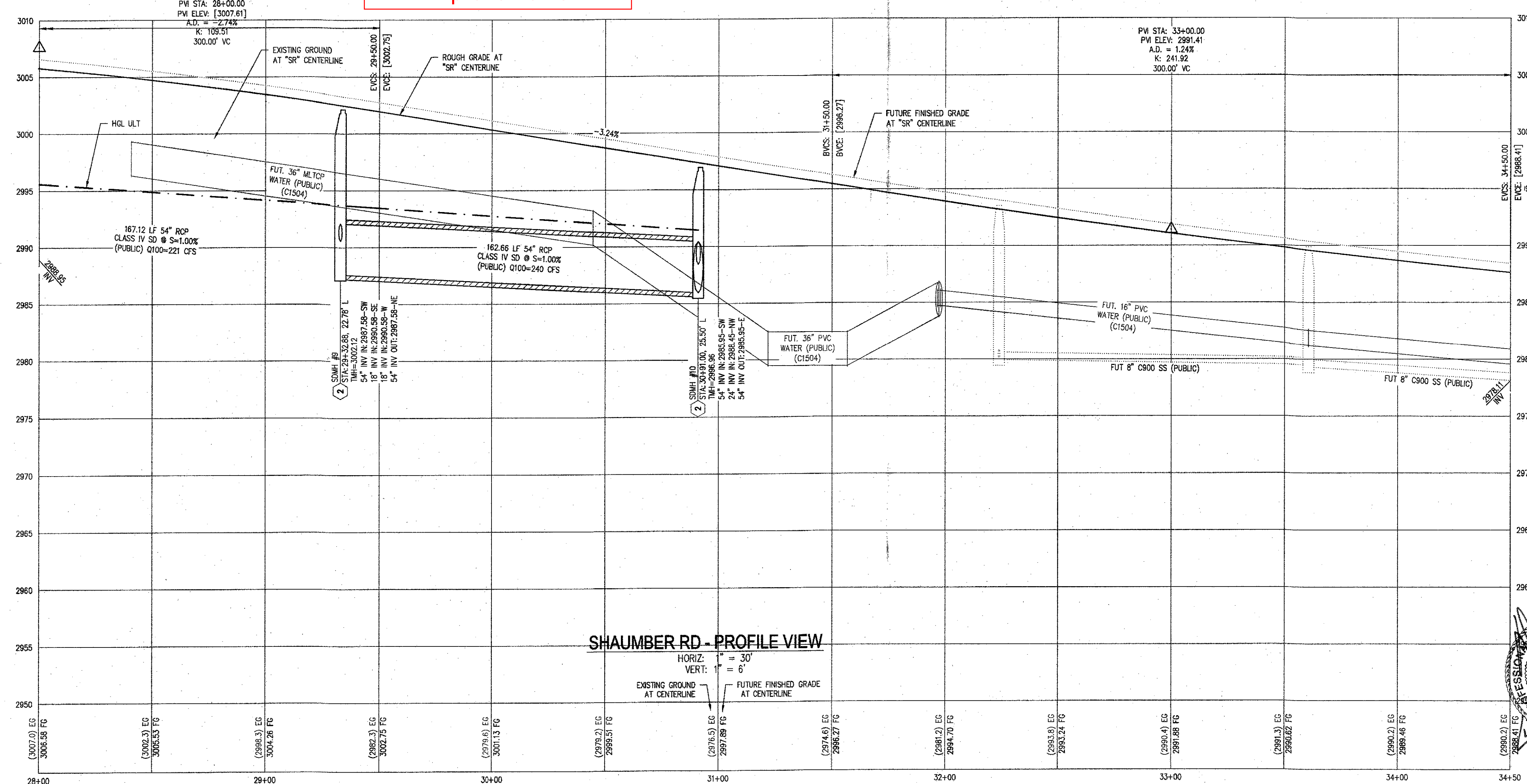
I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAWING STUDY DS-4953 ON FILE AT THE CITY OF PASADENA FOR THE SUBJECT PROJECT <i>[Signature]</i> DERICK YORO, P.E. 16396 DATE <i>6/16/08</i>	FLOOD ZONE THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE 'X' (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C17502, DATED SEPTEMBER 27, 2002
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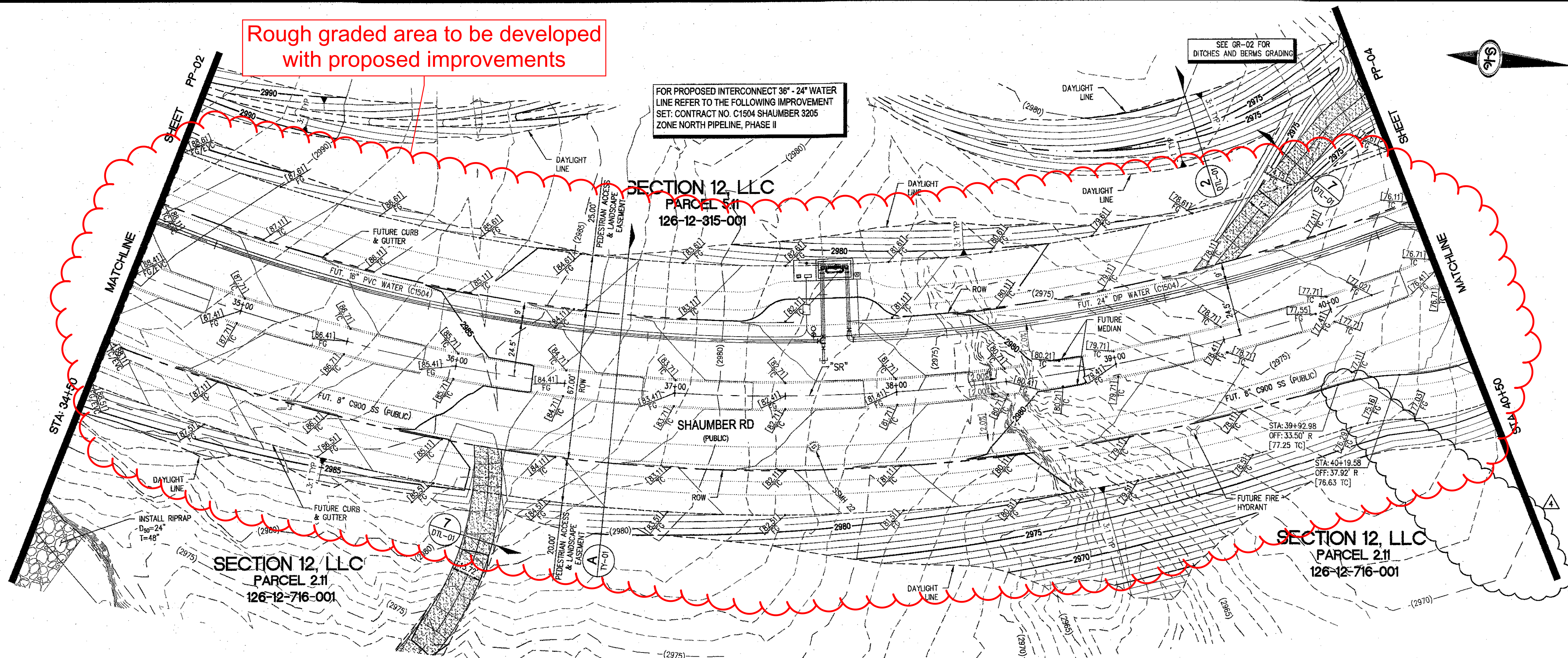
NOTE: PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

APPROVED FOR CONSTRUCTION 4
 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
 PROJECT NO. 126409 FIRST APPROVED DATE: 6/12/19

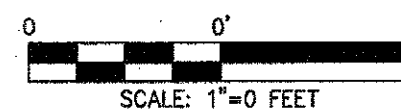
AVOID HITTED OVERHEAD POWER LINES...IT'S COSTLY  CALL BEFORE YOU GO OVER-HEAD 1-702-227-2929	<i>FAST</i>  Call before you UnderGround. 1-702-432-5300 WE'VE GOT THE ANSWERS TO ALL YOUR UNDERGROUND NEEDS OF TRANSPORTATION	Call before you Dig AVOID putting underground empty lines in a safety hazard. Call  OR 1-800-227-2800
---	---	--

		NINETY-FIVE MANAGEMENT LLC SKYE CANYON PHASE 3BC SHAUMBER ROAD CONSTRUCTION PLAN - "SR" 28+00 TO "SR" 34+50	
			
DATE: 6/1/20		5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118 PHONE (702) 284-5300 FAX (702) 284-5399	
DRAFTER: HF			
DESIGNER: HF			
CHECKED: DY			
PROJECT NO. OLY1609-000			
PP-02			
SHEET 6 OF 44			
L18-02471 10767512			

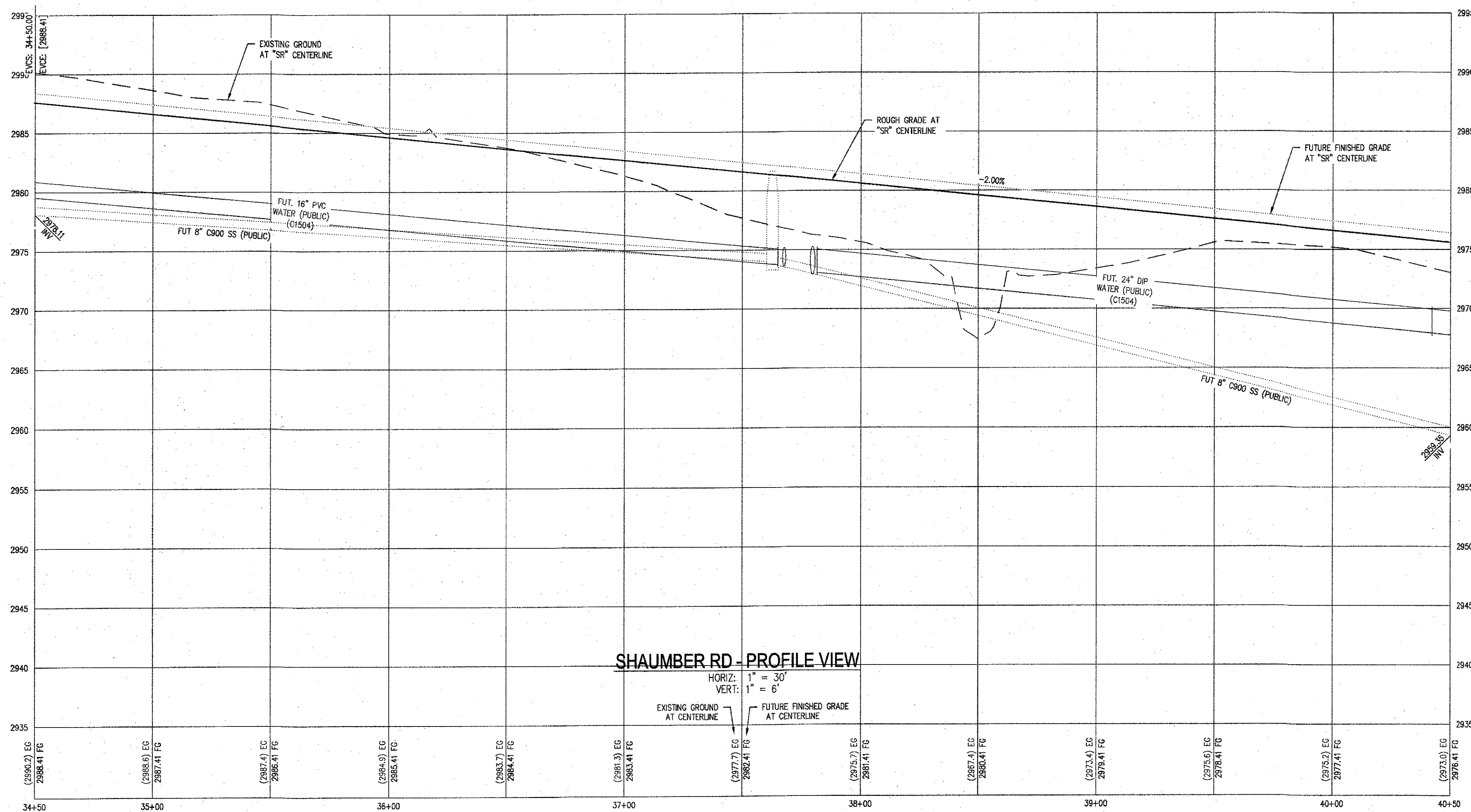




SHAUMBER RD - PLAN VIEW
(PUBLIC)

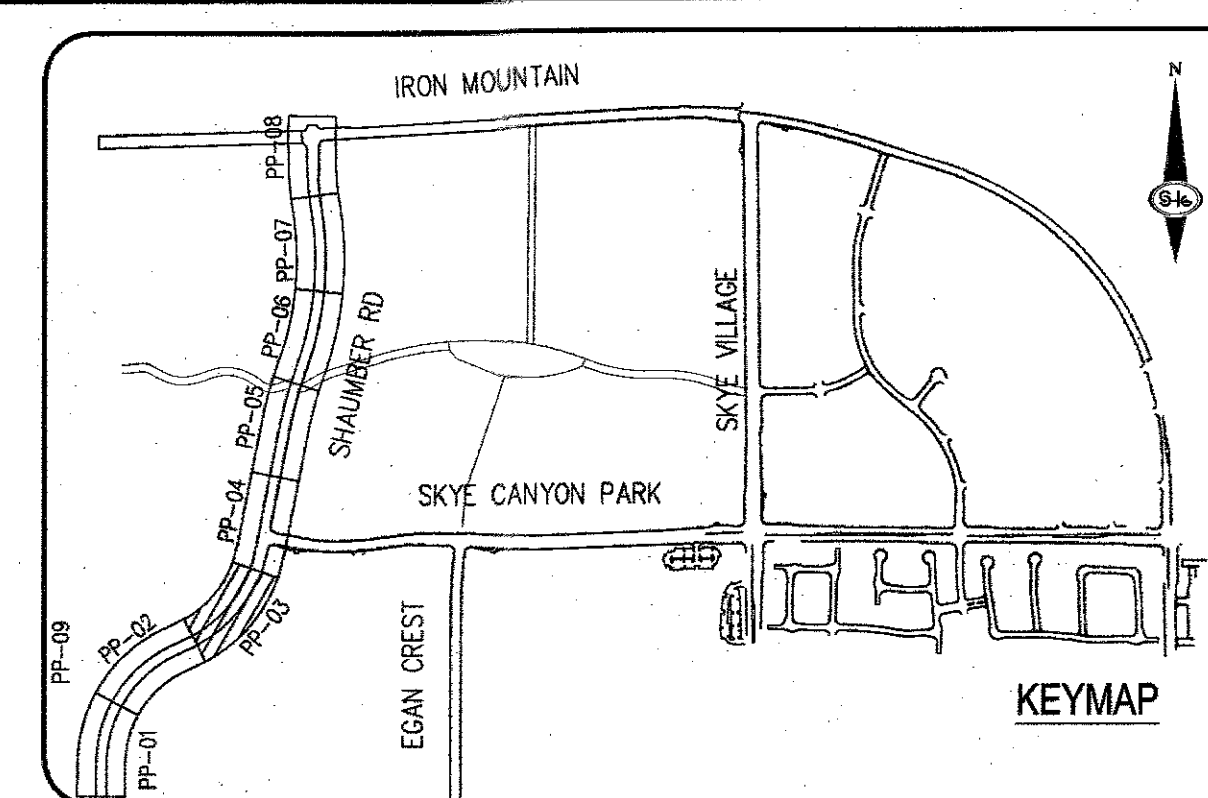


NOTE:
ALL INTERIM DRAINAGE FACILITIES TO BE PRIVATELY
MAINTAINED BY MASTER DEVELOPER



SHAUMBER RD - PROFILE VIEW

HORIZ: 1" = 30'
VERT: 1" = 6'



CONSTRUCTION NOTES

- CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
- CONSTRUCT 1" UTACS OVER 5.5" PBS OVER 6" TYPE II AGGREGATE BASE (SEE TY SHEETS)
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- CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
- CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
- CONSTRUCT BUS TURN-OUT (USDCCA STD. DWG. NO. 234.1)
- CONSTRUCT CONCRETE SIDEWALK (USDCCA STD. DWG. 234)
- PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

STORM DRAIN NOTES

- CONSTRUCT 48" TYPE II SD MANHOLE (USDCCA STD. DWG. NO. 405.2)
- CONSTRUCT 60" TYPE II MANHOLE (USDCCA STD. DWG. NO. 406.1)
- INSTALL 18" STORM DRAIN (USDCCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 24" STORM DRAIN (USDCCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
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- CONSTRUCT TYPE "CM2" DROP INLET. SIZE PER PLAN (USDCCA STD. DWG. NO. 412.1 & 421)
- STRUCTURAL MANHOLE
- CONSTRUCT CONCRETE COLLAR (SEE DETAIL 3/DTL-01)
- CONSTRUCT INTERIM BRICK AND MORTAR PLUG SEE DETAIL 2/DTL-01
- INSTALL 24" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 54" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 66" RCP END SECTION (NDOT STD. PLAN R-2.3.1) W/1" SACRIFICIAL CONCRETE PER STRUCTURAL DWGS

NOTES

- ALL RCP SHALL BE CLASS II UNLESS OTHERWISE SHOWN
- ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCP/RCA
- ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421
- SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS
- ALL PIPES ARE PUBLICLY MAINTAINED IN PUBLIC ROW
- ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE
- DIMENSIONS ARE TO BE BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED
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- SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

STORM DRAIN LATERAL # (SEE LAT SHEETS)

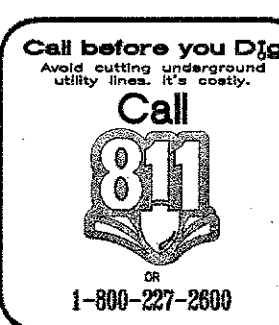
I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY (DS-403) ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.
DERICK YORO, P.E. 16396 DATE: 6/12/19

FLOOD ZONE
THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 30003C1750E, DATED SEPTEMBER 27, 2002.

NOTE:
PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

APPROVED FOR CONSTRUCTION

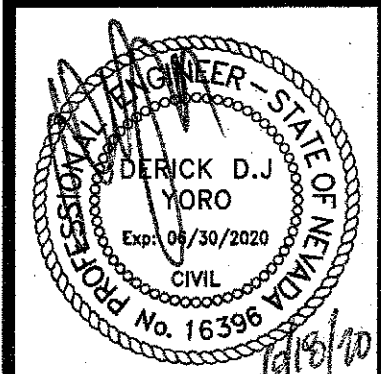
DERICK YORO, P.E. 16396 7/6/2020
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 126409 FIRST APPROVED DATE: 6/12/19



SLATER HANIFAN GROUP
a Westwood team
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89119
PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON PHASE 3BC
SHAUMBER ROAD
CONSTRUCTION PLAN - "SR" 34+50 TO "SR" 40+50

DATE: 6/1/20
DRAFTER: HF
DESIGNER: HF
CHECKED: DY
PROJECT NO.
OLY1609-000



PP-03
SHEET 7 OF 44
L18-02471
107V7512

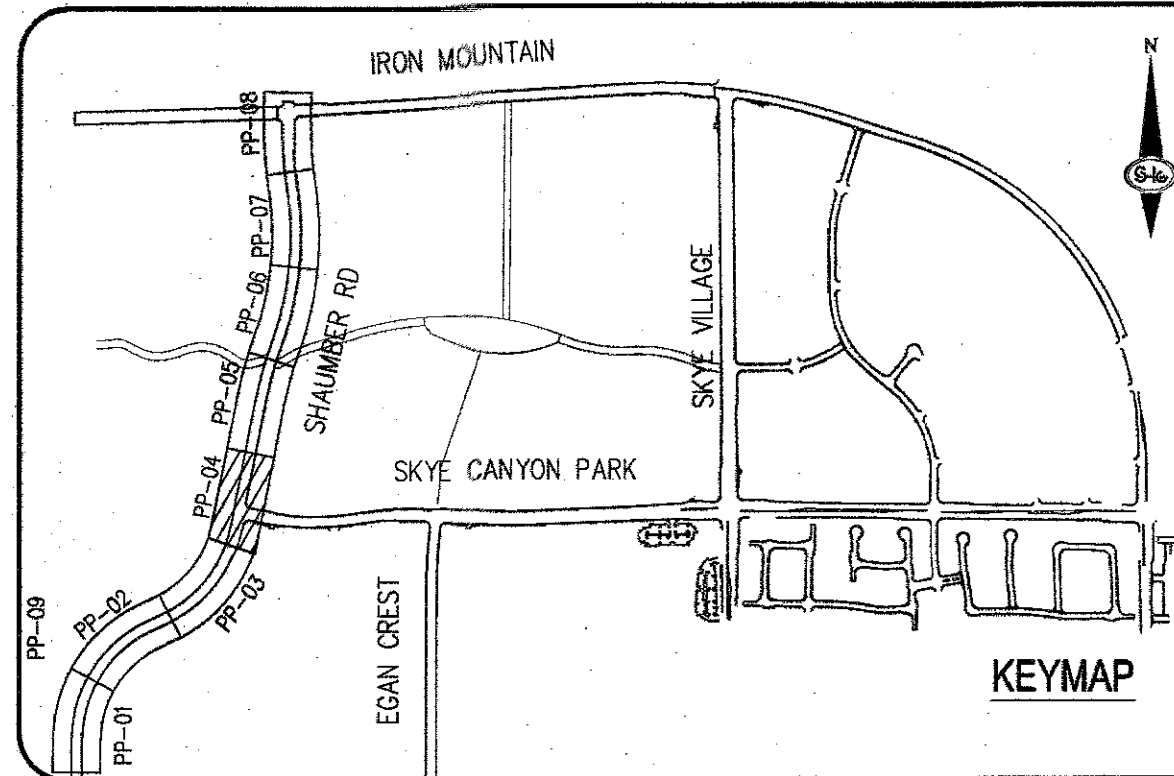
FOR PROPOSED INTERCONNECT 36" 24" WATER LINE REFER TO THE FOLLOWING IMPROVEMENT SET, CONTRACT NO. C1504 SHAUMBER 3205 ZONE NORTH PIPELINE, PHASE II

SECTION 12, LLC
PARCEL 5.11
126-12-315-001

FOR PROPOSED 36" WATER LINE REFER TO THE FOLLOWING IMPROVEMENT SET, CONTRACT NO. C1503 EGAN CREST 3000 ZONE NORTH PIPELINE, PHASE III

SECTION 12, LLC
PARCEL 5.09
126-12-210-002

SEE GR-02 FOR DITCHES AND BERMS GRADING.



CONSTRUCTION NOTES

- CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
- CONSTRUCT 1" UTACS OVER 5.5" PBS OVER 6" TYPE II AGGREGATE BASE (SEE TY SHEETS)
- CONSTRUCT "A" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)
- CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
- CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
- CONSTRUCT BUS TURN-OUT (USDCCA STD. DWG. NO. 234.1)
- CONSTRUCT CONCRETE SIDEWALK (USDCCA STD. DWG. 234)
- PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

STORM DRAIN NOTES

- CONSTRUCT 48" TYPE II-SD MANHOLE (USDCCA STD. DWG. NO. 405.2)
- CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
- INSTALL 18" STORM DRAIN (USDCCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 24" STORM DRAIN (USDCCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 30" STORM DRAIN (USDCCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 36" STORM DRAIN (USDCCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 42" STORM DRAIN (USDCCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 54" STORM DRAIN (USDCCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 60" ROP (USDCCA STD. DWG. NO. 503.2)
- INSTALL 72" ROP (USDCCA STD. DWG. NO. 503.2)
- INSTALL 30" ROP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 36" ROP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 42" ROP END SECTION (NDOT STD. PLAN R-2.3.1)
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- CONSTRUCT TYPE "CM2" DROP INLET, SIZE PER PLAN (USDCCA STD. DWG. NO. 412.1 & 421)
- STRUCTURAL MANHOLE
- CONSTRUCT CONCRETE COLLAR (SEE DETAIL 3/DTL-01)
- CONSTRUCT INTERIM BRICK AND MORTAR PLUG SEE DETAIL 2/DTL-01
- INSTALL 24" ROP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 54" ROP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 66" ROP END SECTION (NDOT STD. PLAN R-2.3.1) 1/4" SACRIFICIAL CONCRETE PER STRUCTURAL DWGS

NOTES

- ALL ROP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
- ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
- ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
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- SEE TY-SHEETS FOR TYPICAL SECTIONS.
- SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BUILD OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

STORM DRAIN LATERAL # (SEE LAT SHEETS)

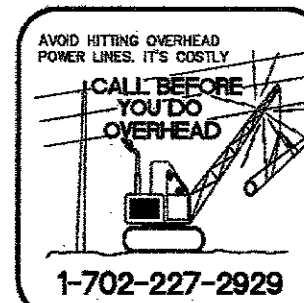
I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4463 ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT
DERICK J. J. VORO
DATE: 6/12/20
VDATE

FLOOD ZONE
THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANELS: 32003C1750E, DATED SEPTEMBER 27, 2002

NOTE:
PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 126-125409
FIRST APPROVED DATE: 6/12/19
DATE: 7/6/2020



SLATER
HANIFAN
GROUP
a Westwood team
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5339

NINETY-FIVE MANAGEMENT LLC

SKYE CANYON PHASE 3BC
SHAUMBER ROAD

CONSTRUCTION PLAN - "SR" 40+50 TO "SR" 46+50

DATE: 6/1/20

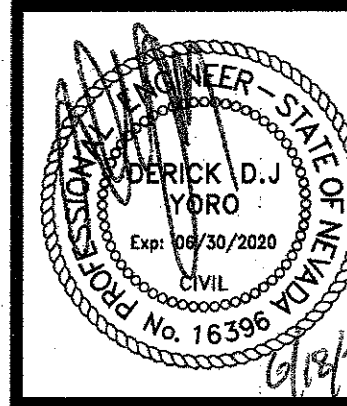
DRAFTER: HF

DESIGNER: HF

CHECKED: DY

PROJECT NO.

OLY1609-000



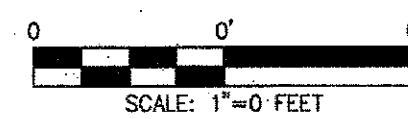
PP-04

SHEET 8 OF 44

L18-02471
107V7512

Rough graded area to be developed with proposed improvements

SHAUMBER RD - PLAN VIEW
(PUBLIC)

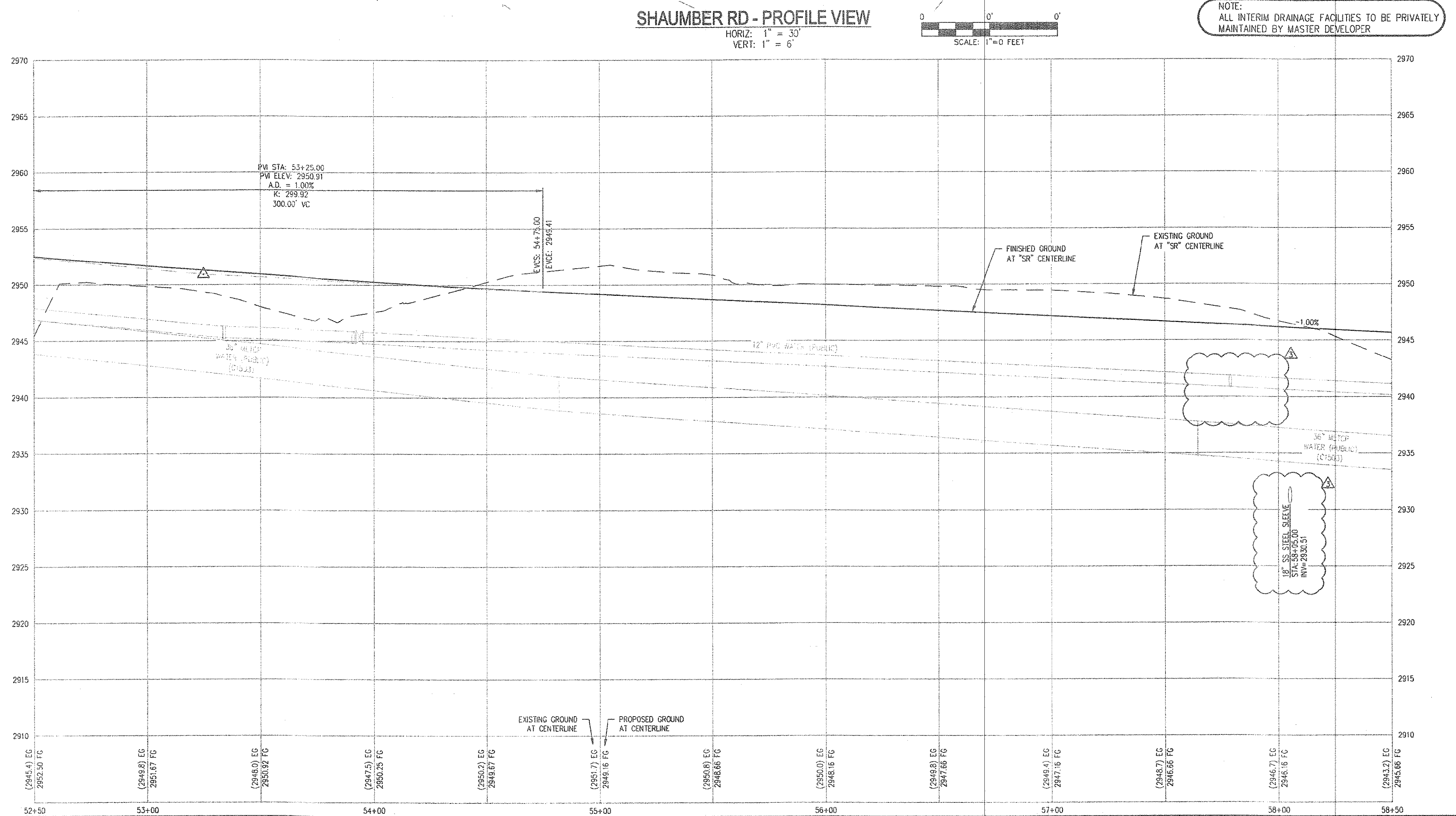


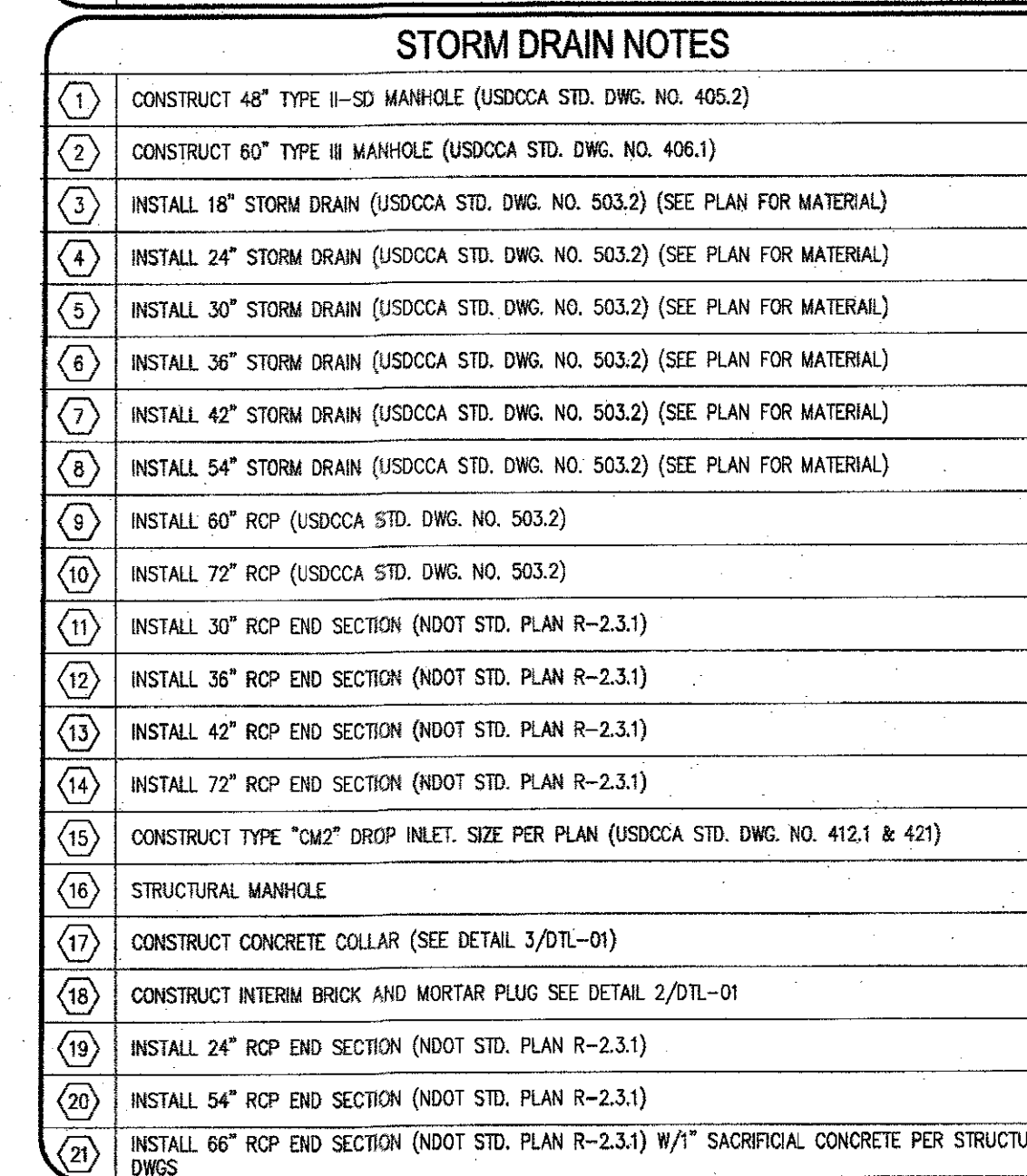
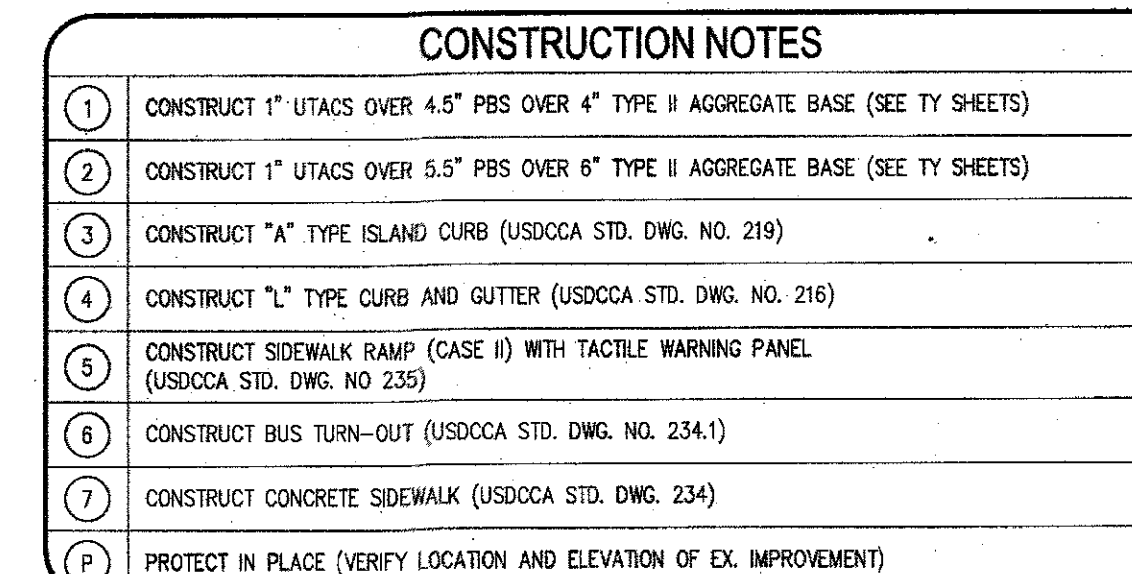
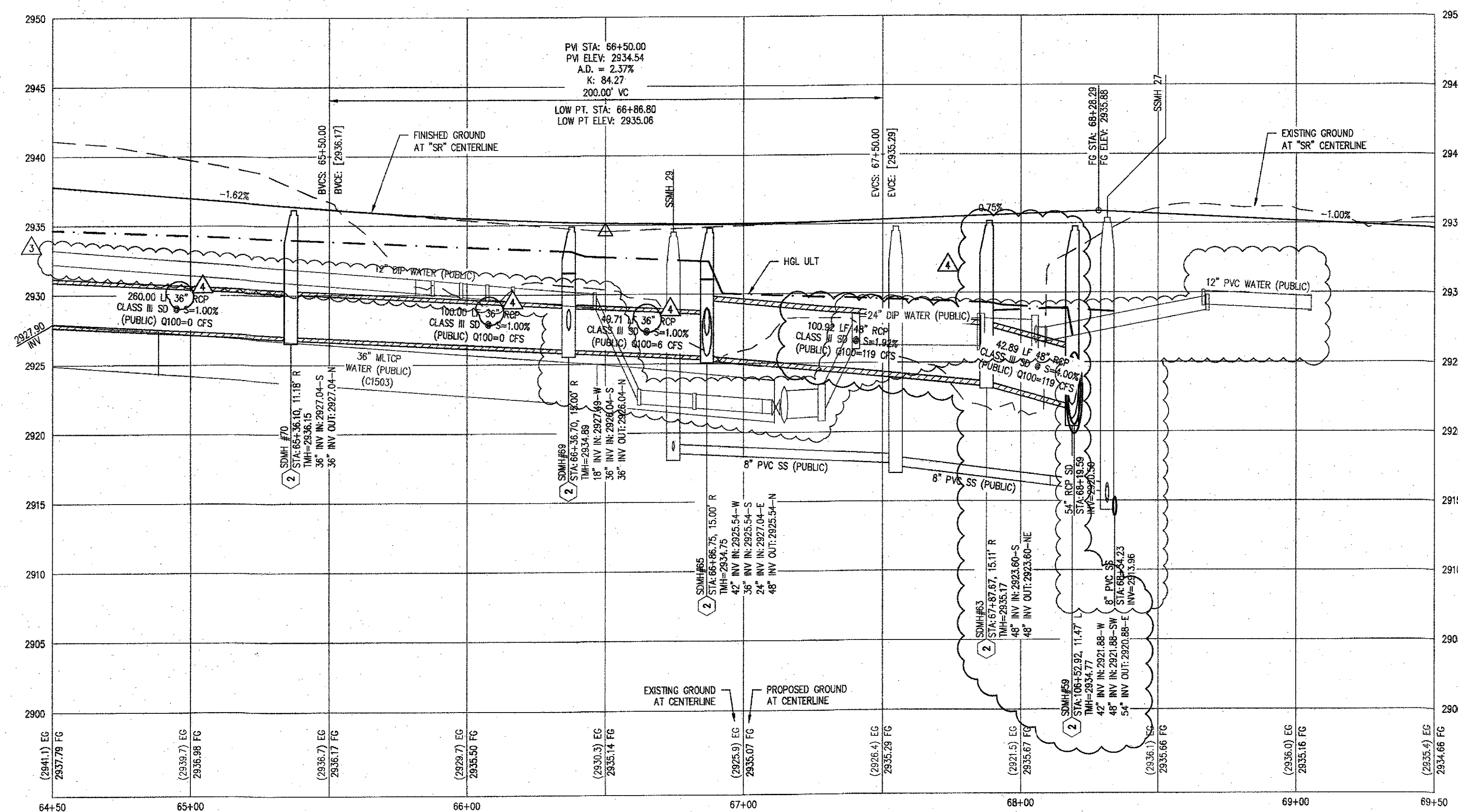
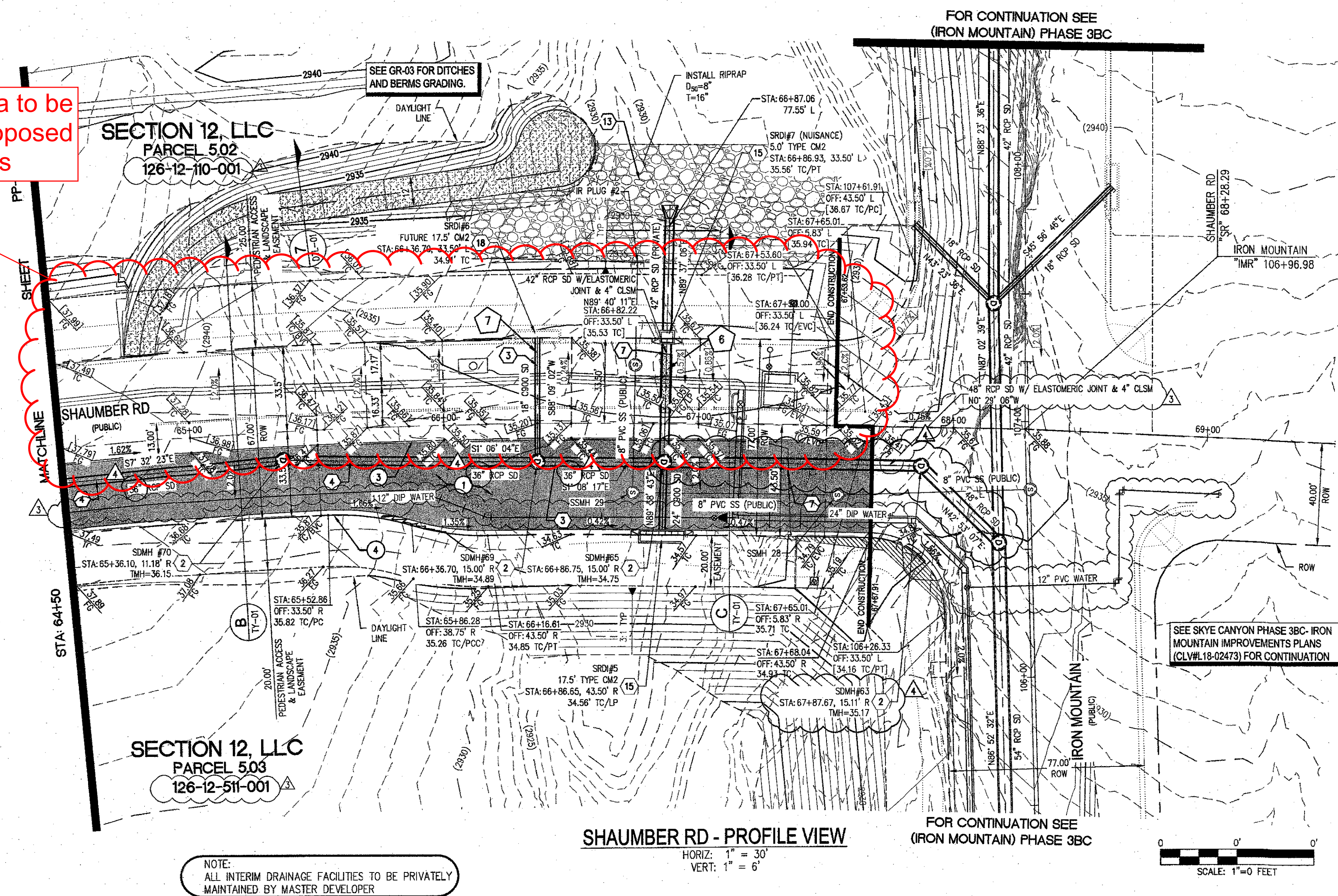
NOTE:
ALL INTERIM DRAINAGE FACILITIES TO BE PRIVATELY MAINTAINED BY MASTER DEVELOPER

SHAUMBER RD - PROFILE VIEW

HORIZ: 1" = 30'
VERT: 1" = 6'

EXISTING GROUND AT CENTERLINE
FUTURE FINISHED GRADE AT CENTERLINE
EXISTING GROUND AT CENTERLINE
PROPOSED GROUND AT CENTERLINE





- ### NOTES
1. ALL ROP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
 2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF BOX OR RCP/PCA.
 3. ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDOCA STD. DWG. NO. 421.
 4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
 5. ALL PIPES ARE PUBLICLY MAINTAINED IN PUBLIC ROW.
 6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.
 7. DIMENSIONS ARE TO BE BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
 8. SEE T-SHEETS FOR TYPICAL SECTIONS.
 9. SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:

CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

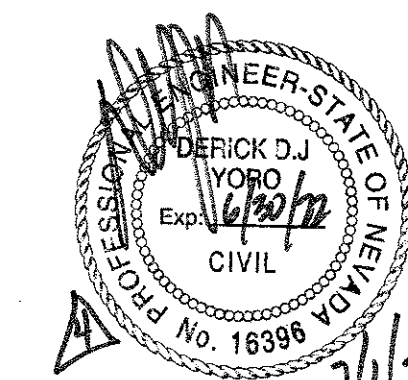
STORM DRAIN LATERAL # (SEE LAT SHEETS)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4953 ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT <i>G. H. H. H.</i> DERICK YORD, P.E. 16396 DATE _____	FLOOD ZONE THE PROJECT SITE IS LOCATED WITHIN A FLOOD DESIGNATED ZONE 'X' (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1750E, DATED SEPTEMBER 27, 2002
---	---

NOTE: PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

~~APPROVED FOR CONSTRUCTION~~

PROJECT NO. 126409 FIRST APPROVED DATE: 6/12/19



S-I-G **SLATER
HANIFAN
GROUP** a Westwood team
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5300

5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300
FAX (702) 284-5399

[illegible]

NINETY-FIVE MANAGEMENT LLC

**SKYE CANYON PHASE 3BC
SHAUMBER ROAD**

SHAUMBER ROAD
CONSTRUCTION PLAN - "SR" 64+50 TO "SR" 69+50

DATE: 6/1/20

DRAFTER: HF

DESIGNER: HF

CHECKED: DY

PROJECT NC

OLY1609-000

1



DERICK D.J

Exp: 06/30/2020

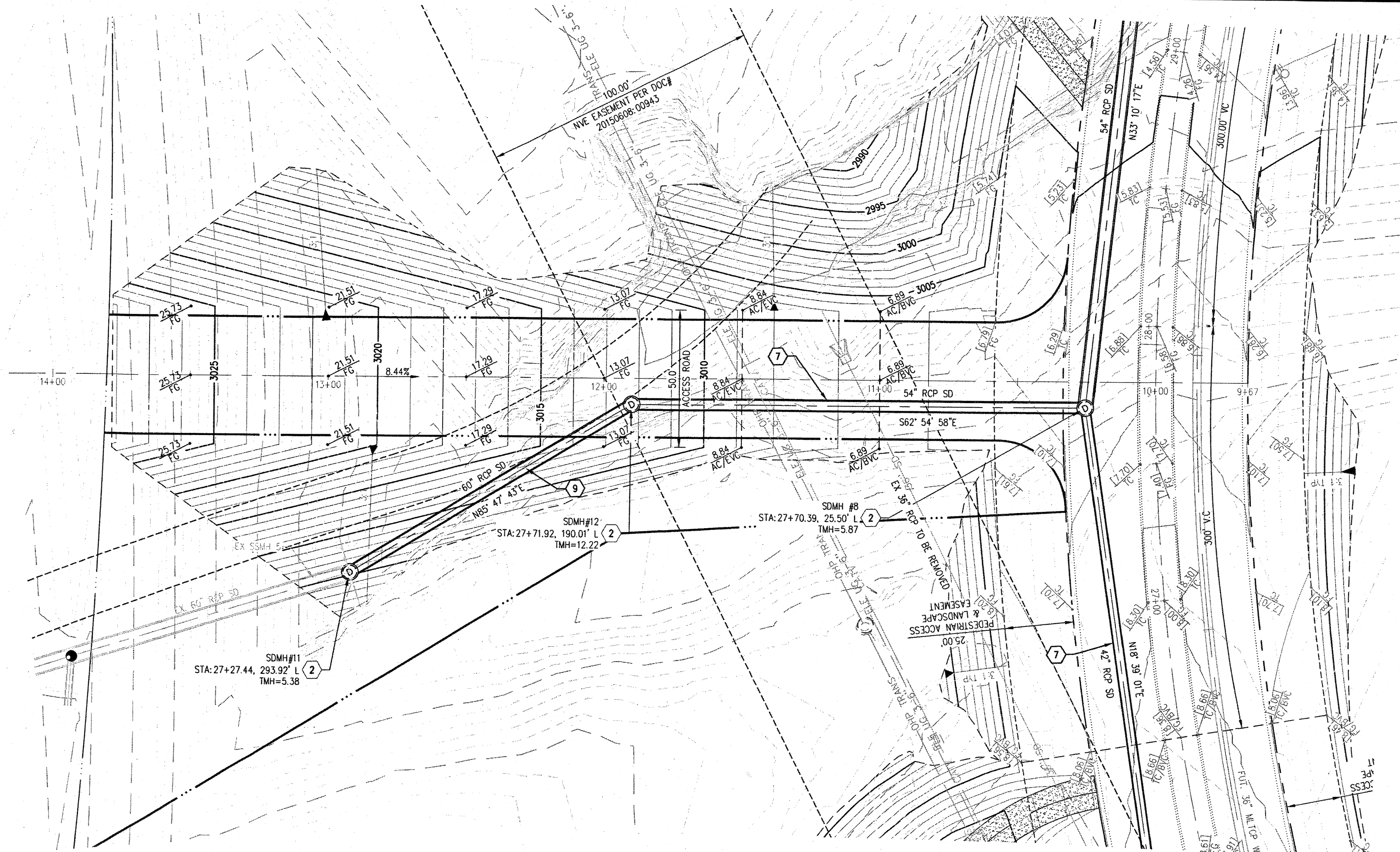
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BB 88

PP=00

SHEET 12 OF 44

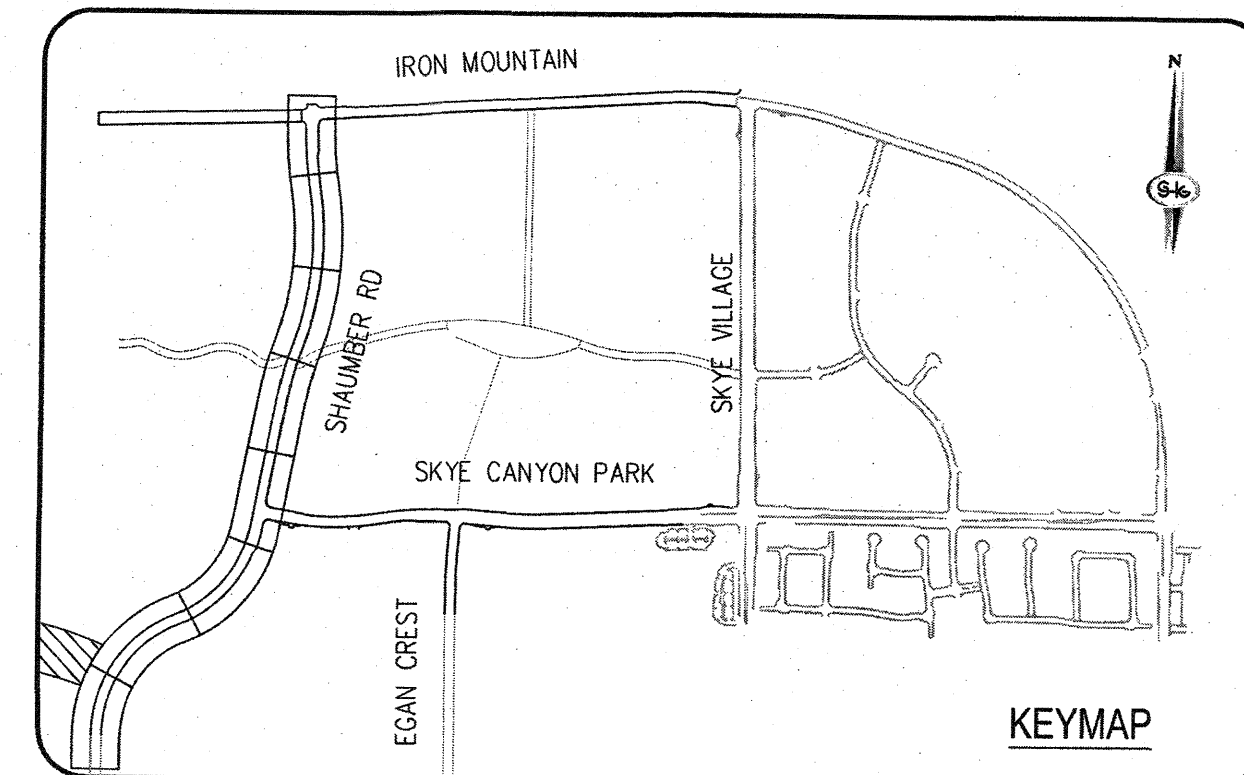
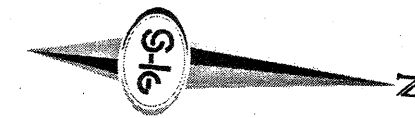
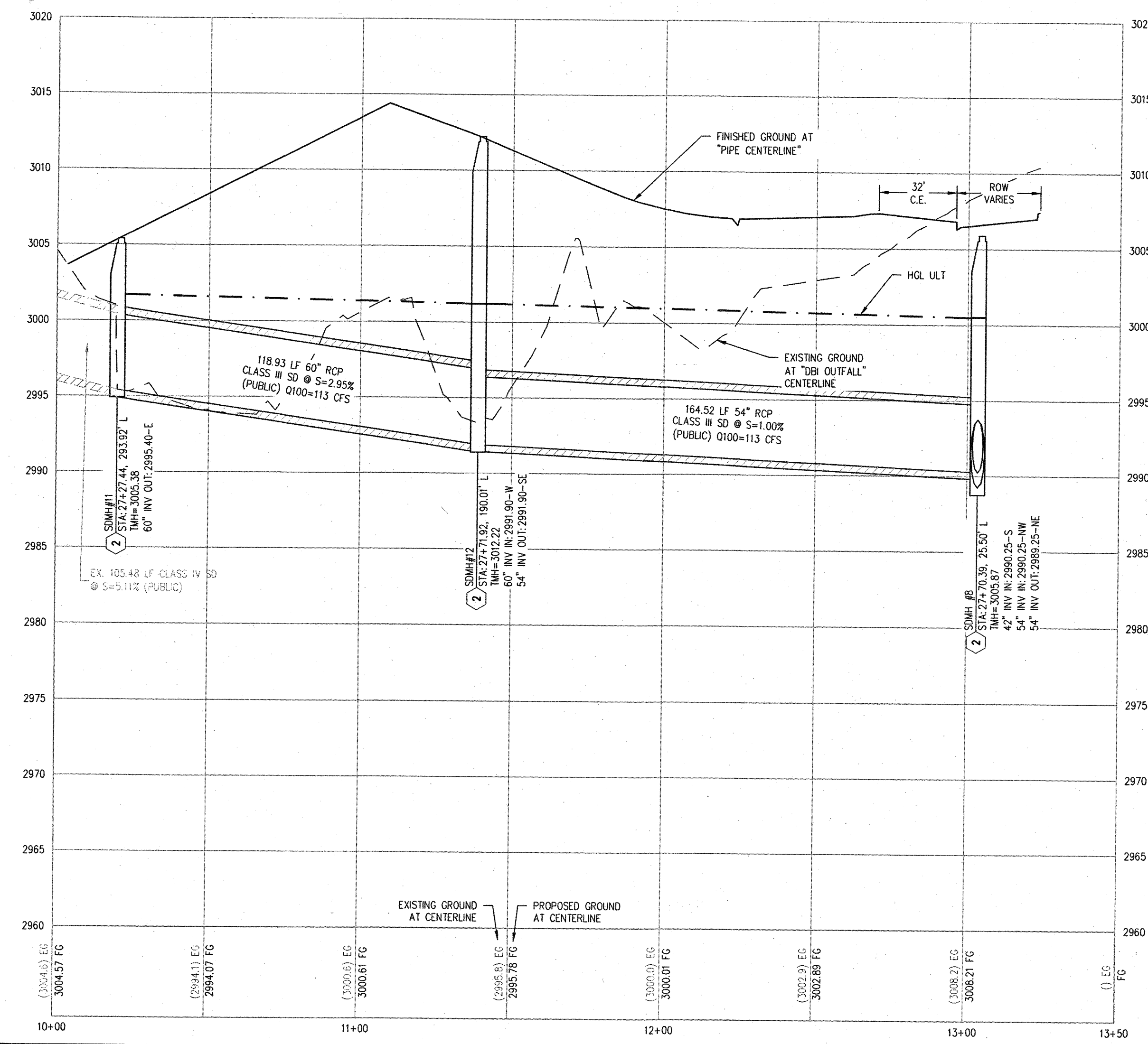
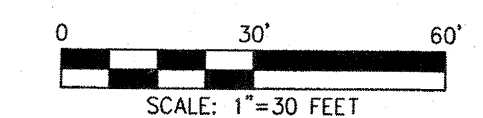
107V7512



NOTE:
ALL INTERIM DRAINAGE FACILITIES TO BE PRIVATELY
MAINTAINED BY MASTER DEVELOPER

DB1 OUTFALL - PROFILE VIEW

HORIZ: 1" = 30'
VERT: 1" = 6'



CONSTRUCTION NOTES

- CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
- CONSTRUCT 1" UTACS OVER 5.5" PBS OVER 6" TYPE II AGGREGATE BASE (SEE TY SHEETS)
- CONSTRUCT "A" TYPE ISLAND CURB (USDOCA STD. DWG. NO. 219)
- CONSTRUCT "L" TYPE CURB AND GUTTER (USDOCA STD. DWG. NO. 216)
- CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDOCA STD. DWG. NO. 235)
- CONSTRUCT BUS TURN-OUT (USDOCA STD. DWG. NO. 234.1)
- CONSTRUCT CONCRETE SIDEWALK (USDOCA STD. DWG. 234)
- PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

STORM DRAIN NOTES

- CONSTRUCT 48" TYPE II-SD MANHOLE (USDOCA STD. DWG. NO. 405.2)
- CONSTRUCT 60" TYPE III MANHOLE (USDOCA STD. DWG. NO. 406.1)
- INSTALL 18" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 24" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 30" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 36" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 42" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 54" STORM DRAIN (USDOCA STD. DWG. NO. 503.2) (SEE PLAN FOR MATERIAL)
- INSTALL 60" RCP (USDOCA STD. DWG. NO. 503.2)
- INSTALL 72" RCP (USDOCA STD. DWG. NO. 503.2)
- INSTALL 30" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 36" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 42" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 72" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
- CONSTRUCT TYPE "CM2" DROP INLET. SIZE PER PLAN (USDOCA STD. DWG. NO. 412.1 & 421)
- STRUCTURAL MANHOLE
- CONSTRUCT CONCRETE COLLAR (SEE DETAIL 3/DL-01)
- CONSTRUCT INTERIM BRICK AND MORTAR PLUG SEE DETAIL 2/DL-01
- INSTALL 24" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 54" RCP END SECTION (NDOT STD. PLAN R-2.3.1)
- INSTALL 66" RCP END SECTION (NDOT STD. PLAN R-2.3.1) W/1" SACRIFICIAL CONCRETE PER STRUCTURAL DWGS

NOTES

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- ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCP/RCA.
- ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDOCA STD. DWG. NO. 421.
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LEGEND

X STORM DRAIN LATERAL # (SEE LAT SHEETS)

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DERICK YORO, P.E. 16396 5/6/19 DATE

FLOOD ZONE
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NOTE:
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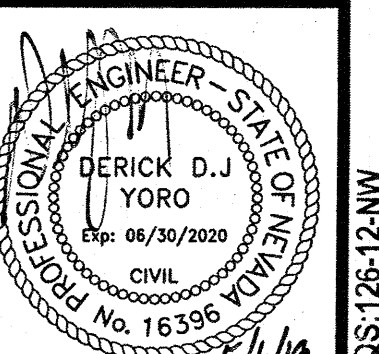
APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 126409 FIRST APPROVED DATE: 6-12-19



SLATER HANIFAN GROUP
a Westwood team
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON PHASE 3BC
SHAUMBER ROAD
CONSTRUCTION PLAN - DB OUTFALL

DATE: 5/6/19
DRAFTER: HF
DESIGNER: HF
CHECKED: DY
PROJECT NO. OLY1609-000



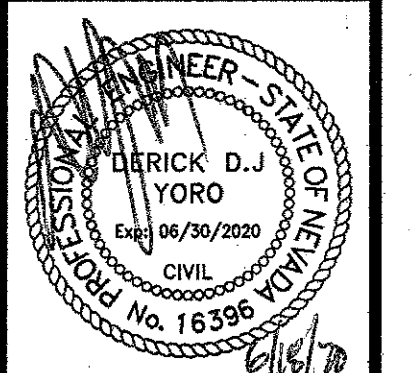
PP-09
SHEET 13 OF 44
L18-02471
107V7512

NO.	DESCRIPTION	DATE	BY	APP.
1	REWORK SD PIPE, MORE DETAIL TO LAT-02	9/14/20	DM	
2	REWORK SD CALLOUTS	12/10/19	DM	
3	ADDITIONAL 12" WATER LINE			

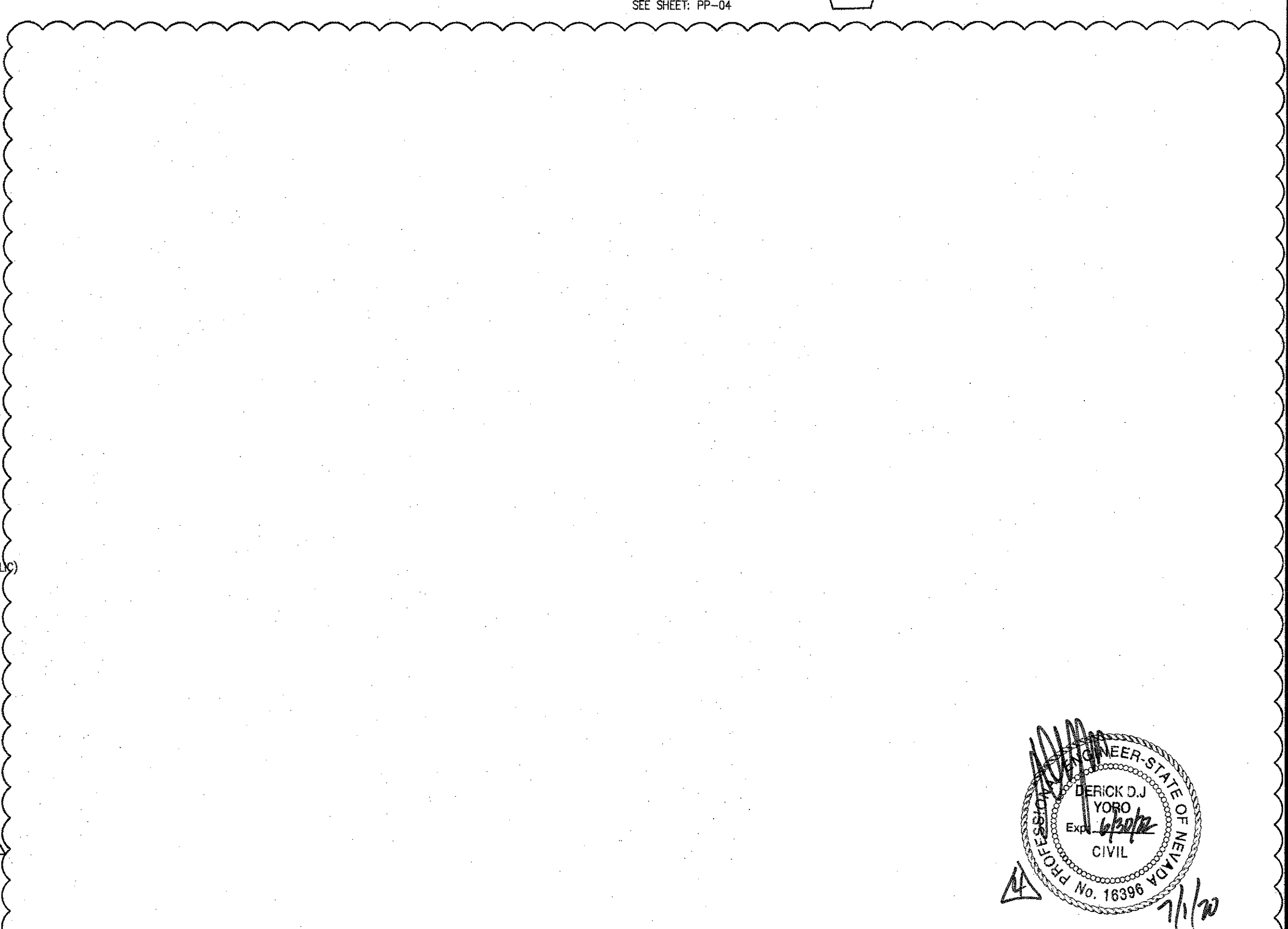
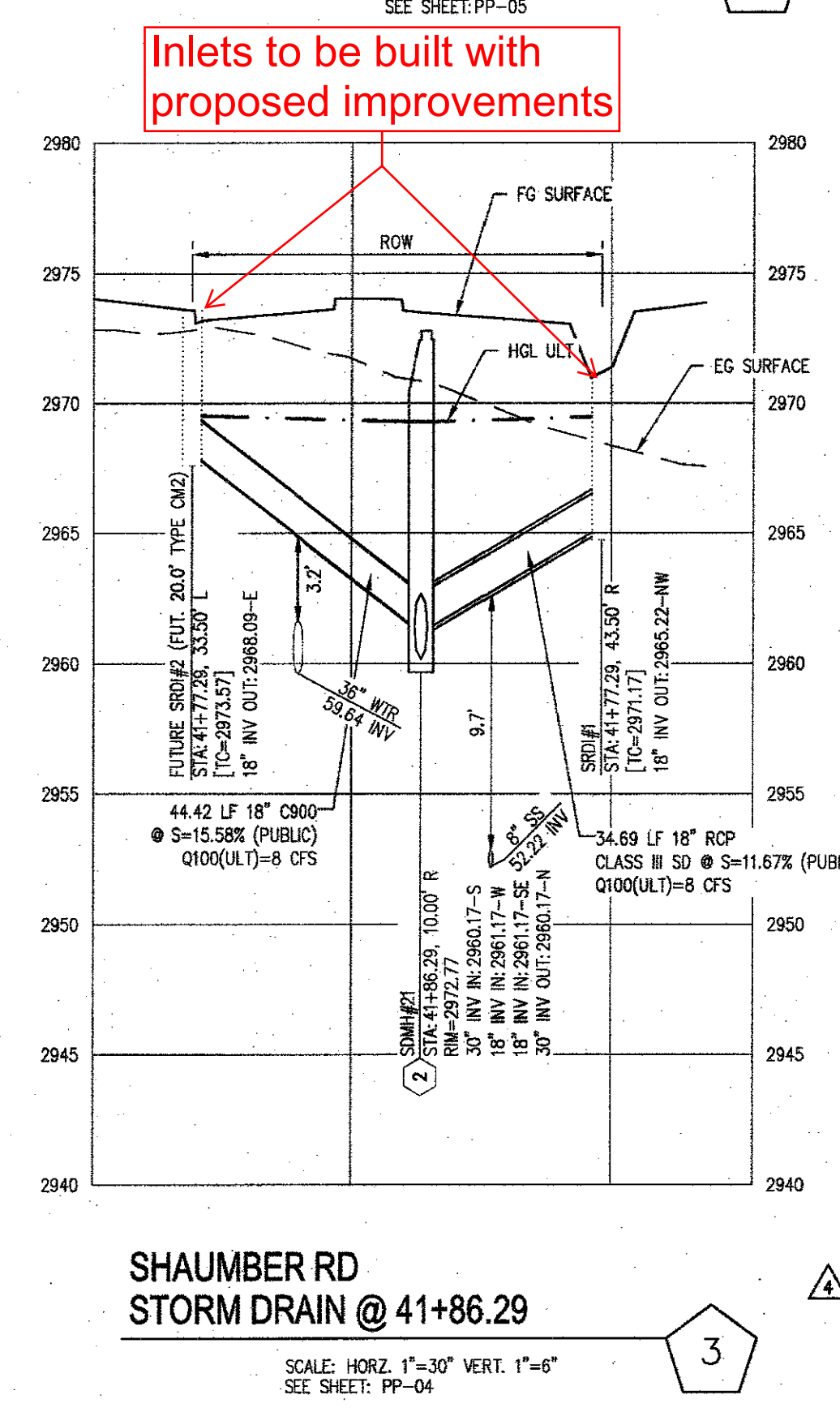
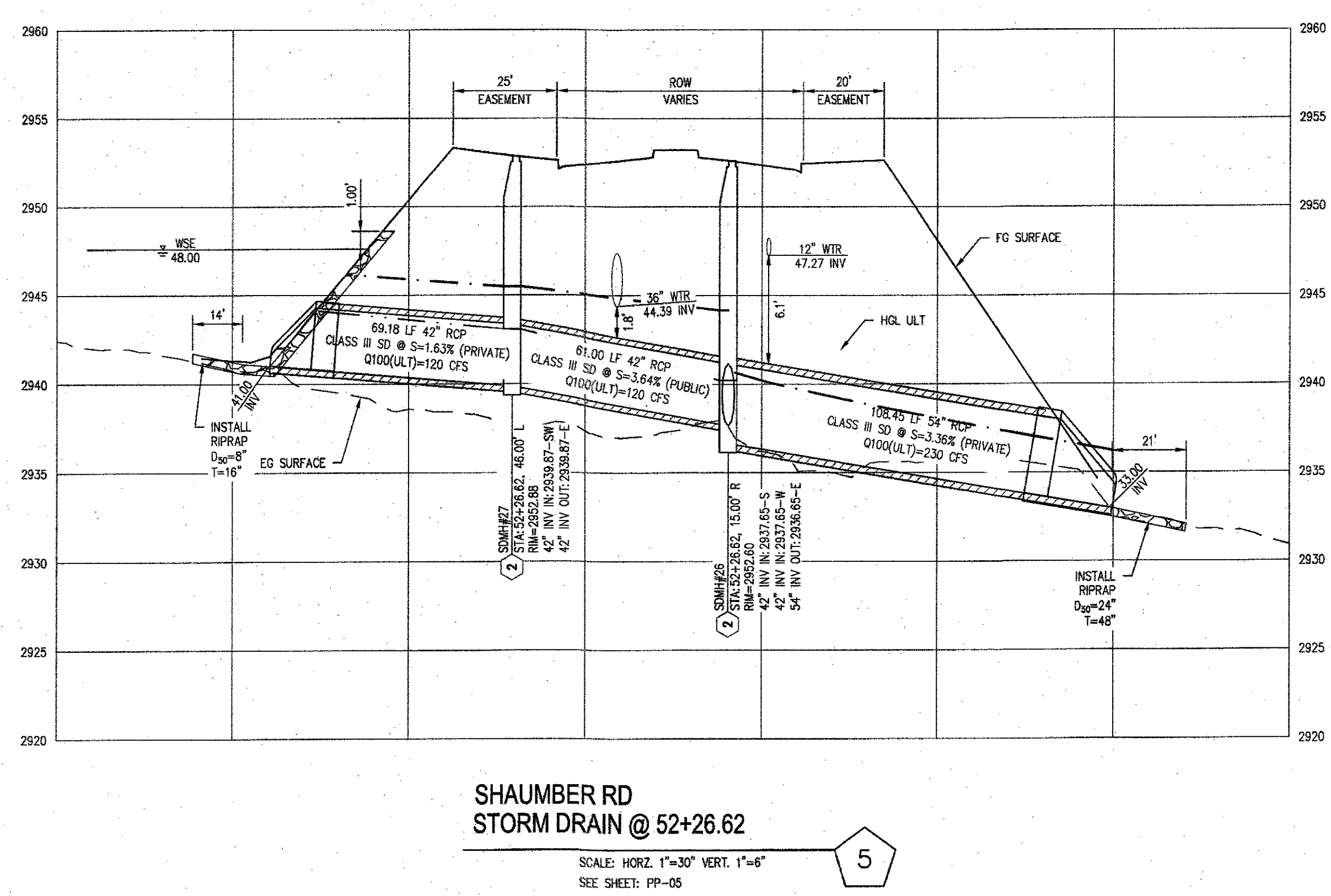
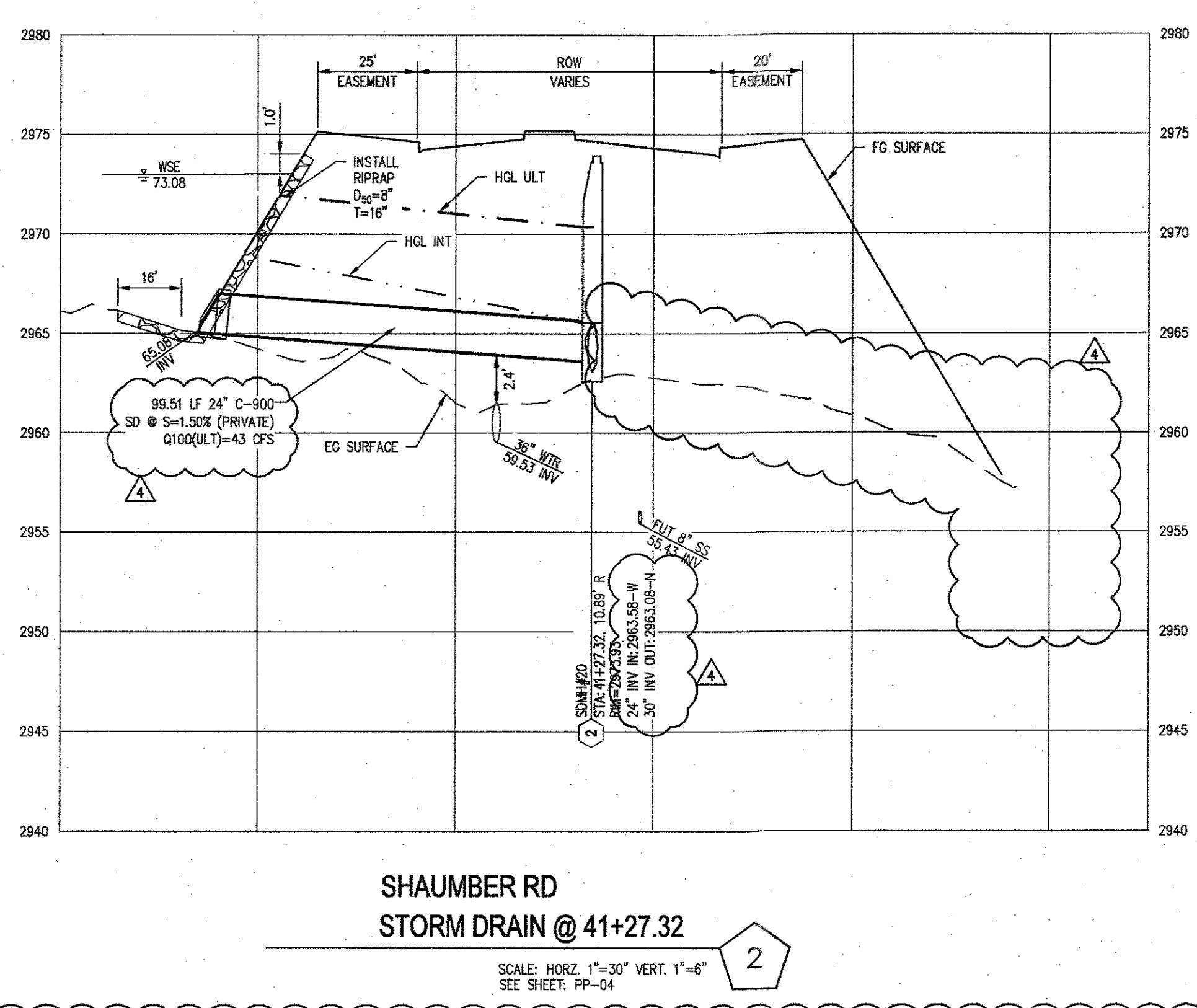
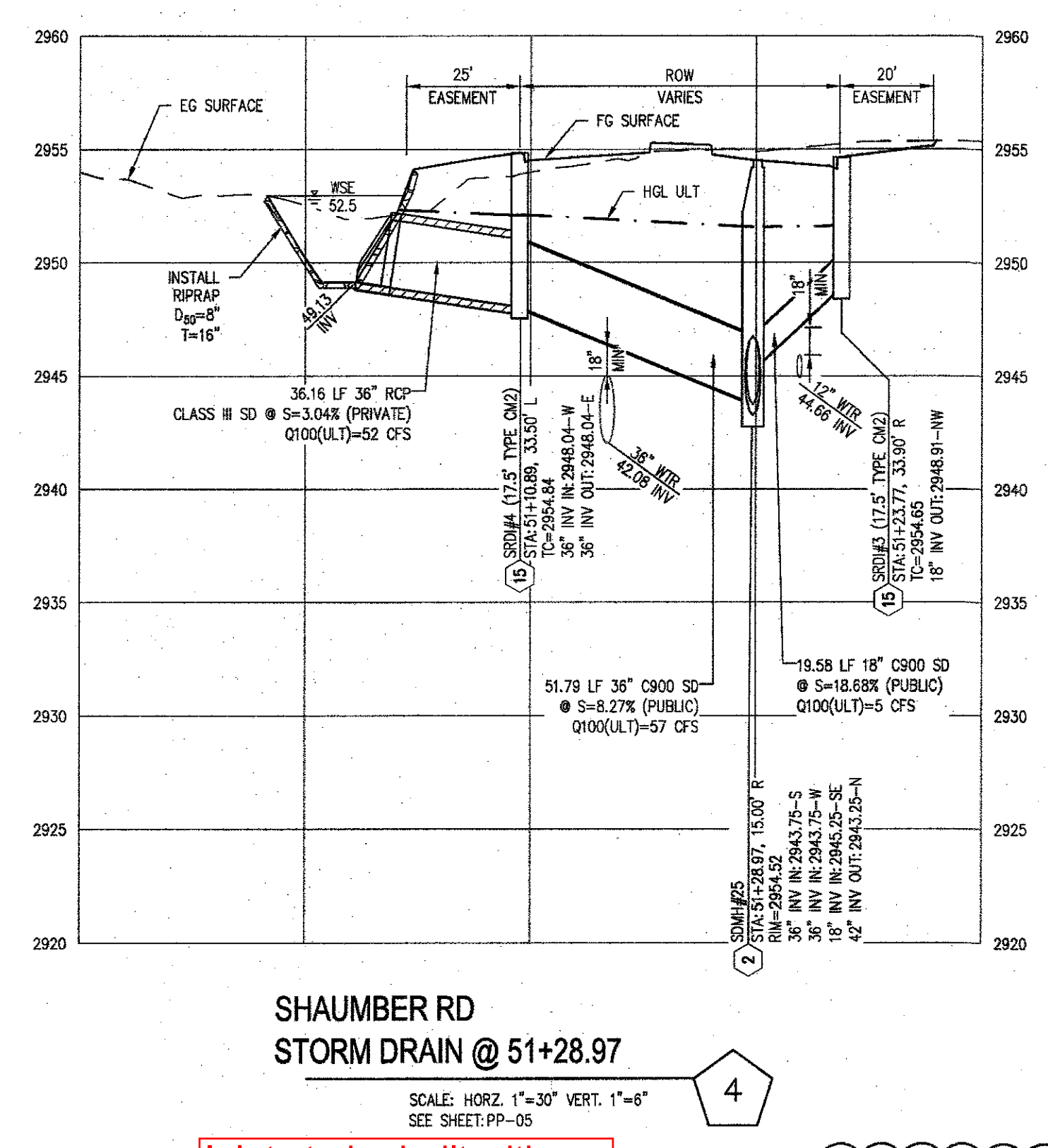
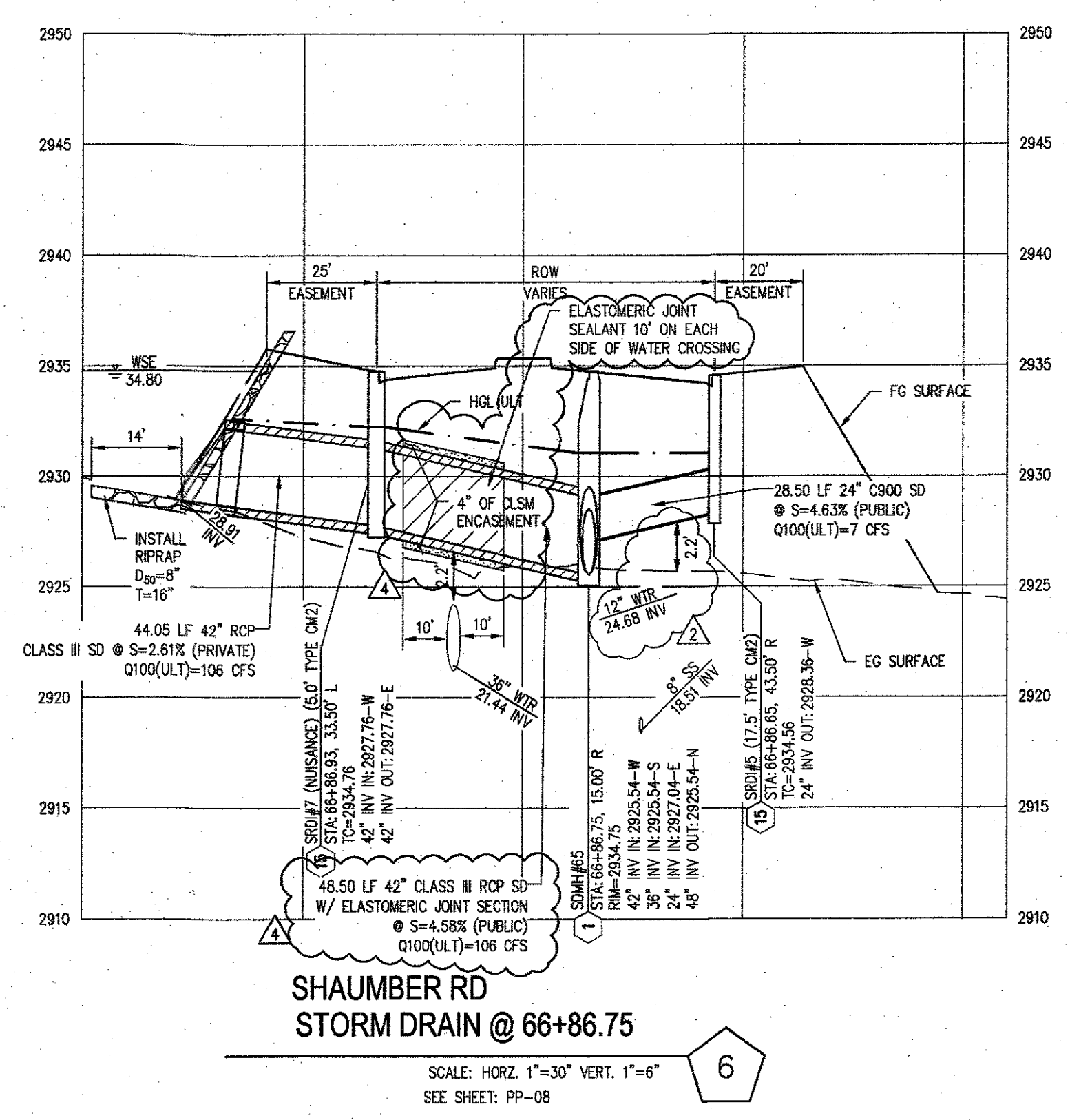
NINETY-FIVE MANAGEMENT LLC
SKYE CANYON PHASE 3BC
SHAUMBER ROAD
STORM DRAIN LATERALS I

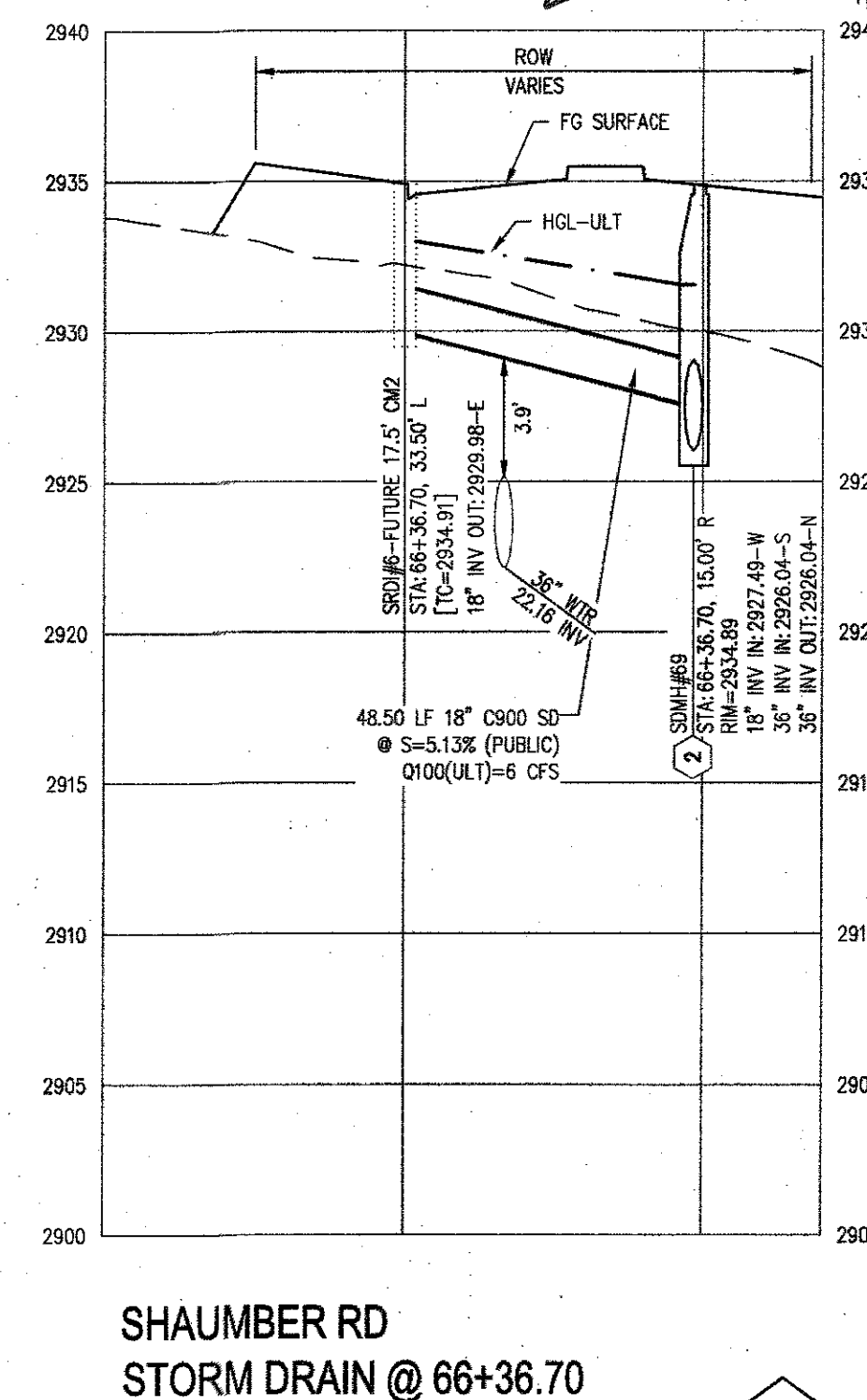
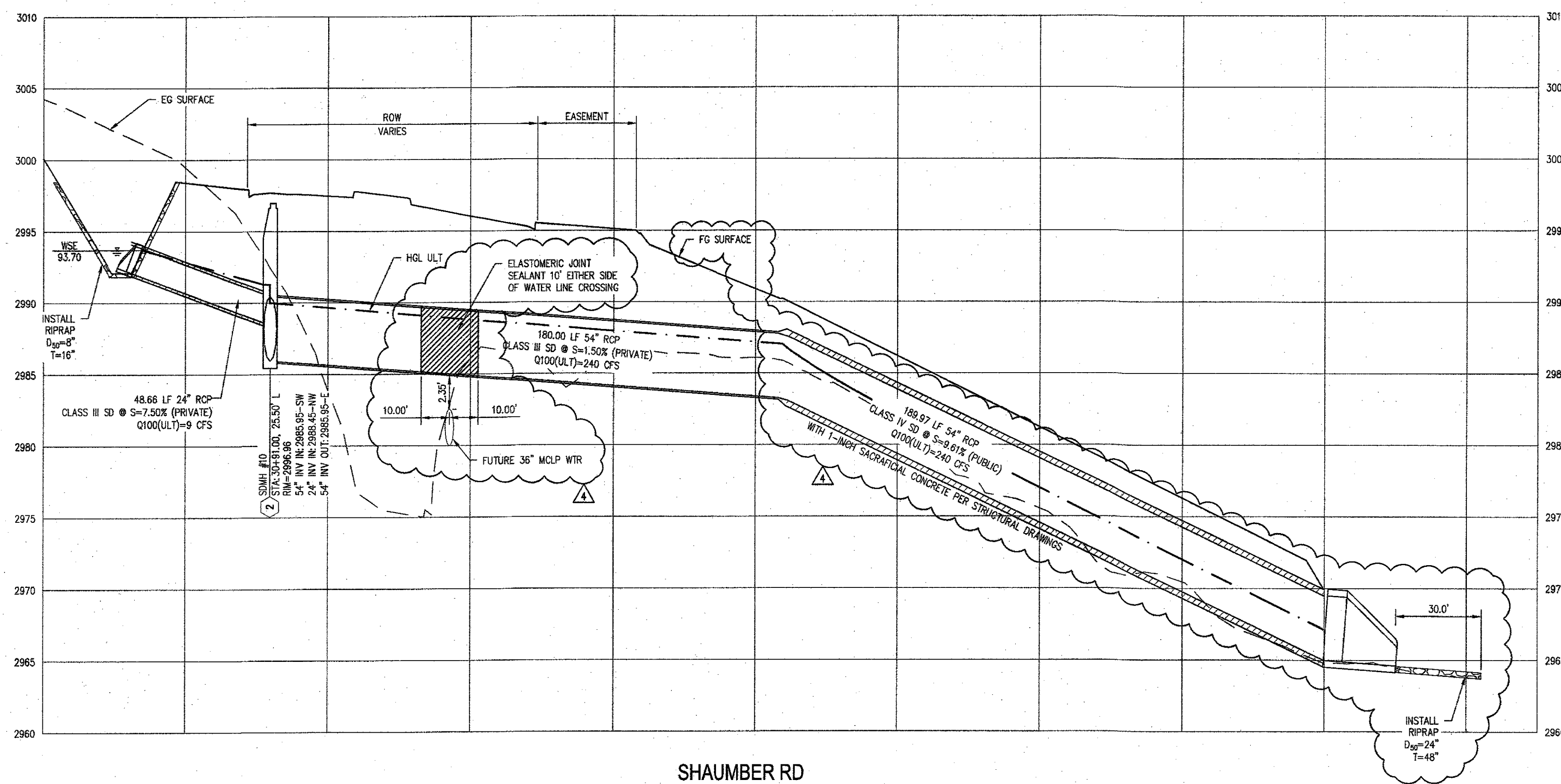
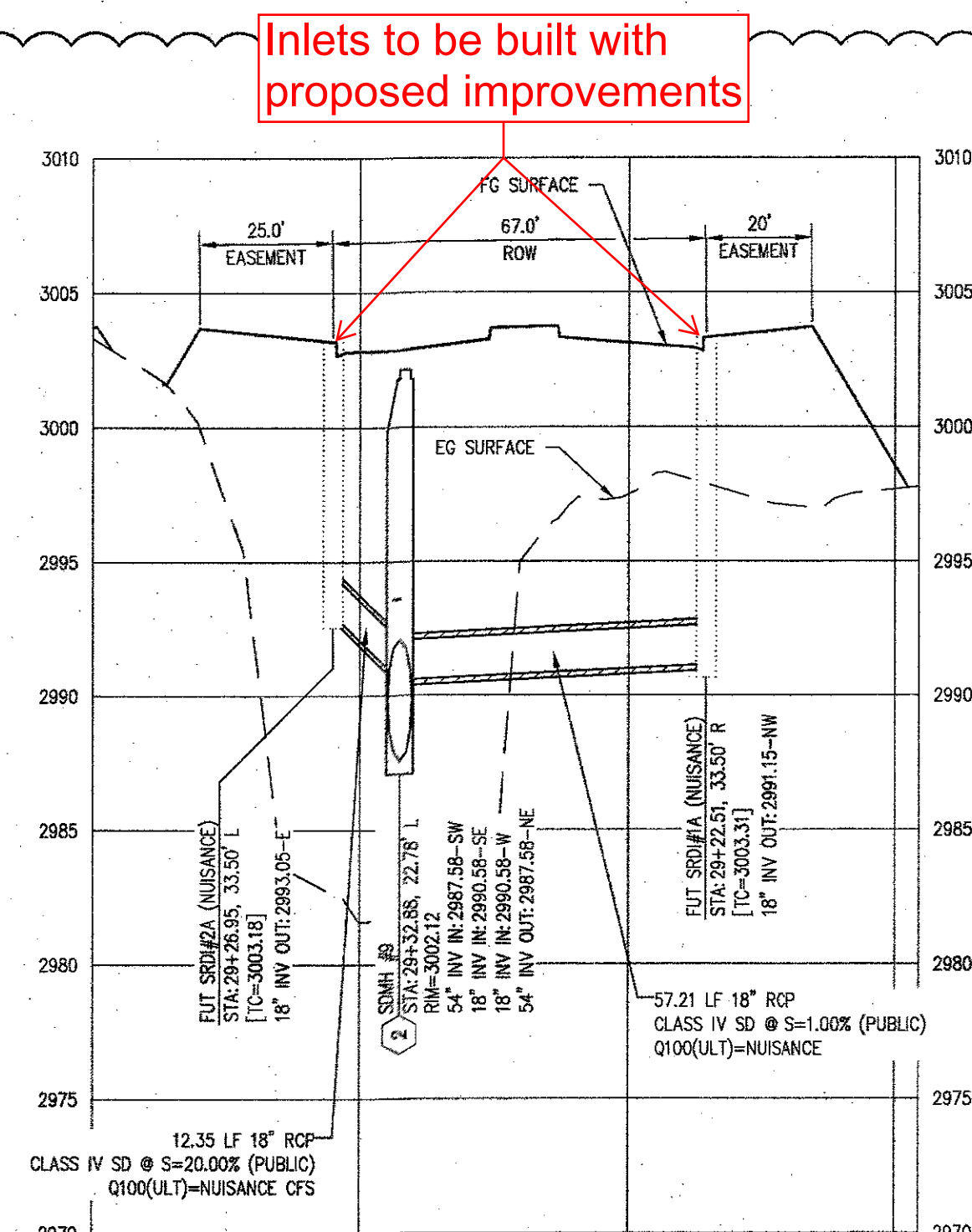
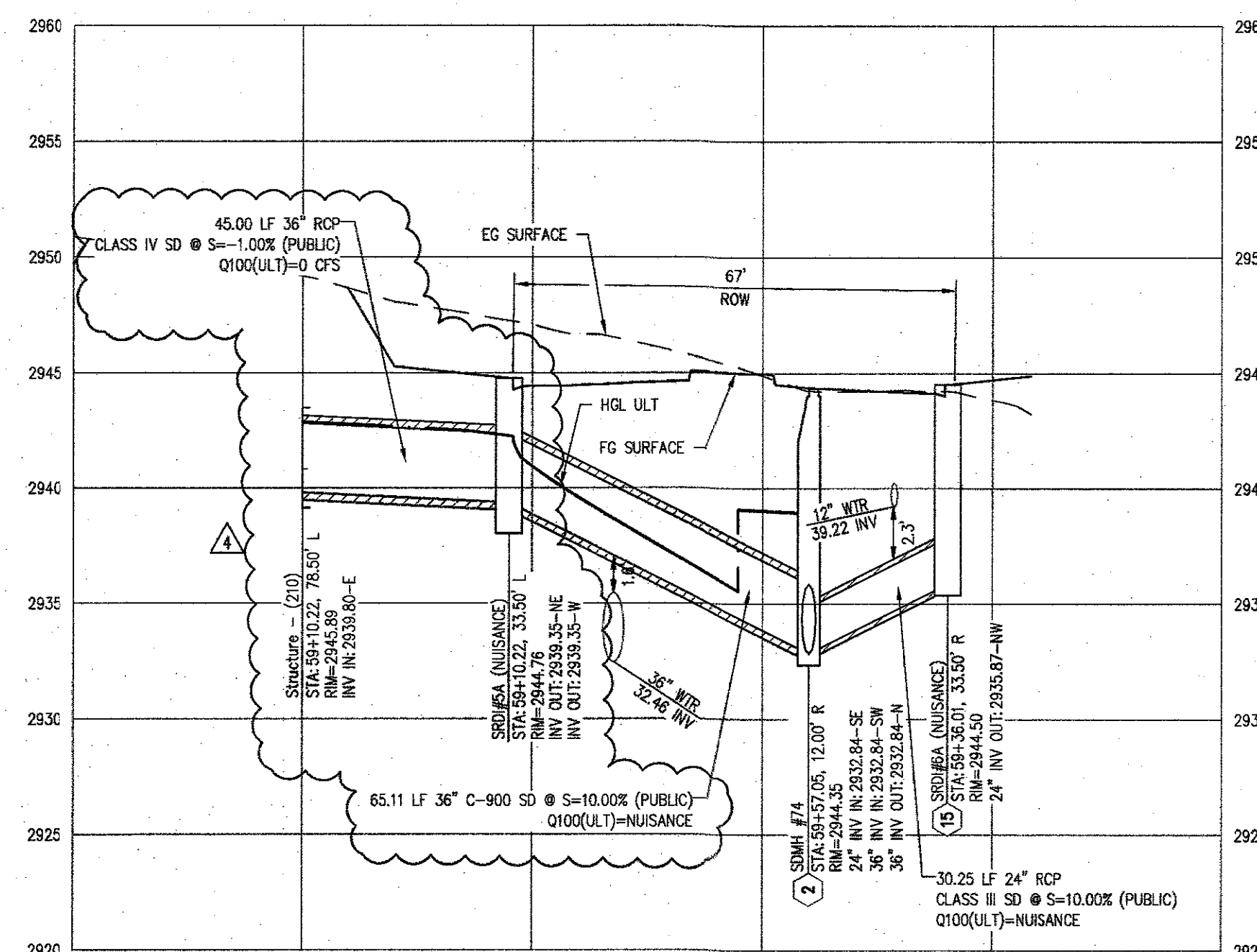
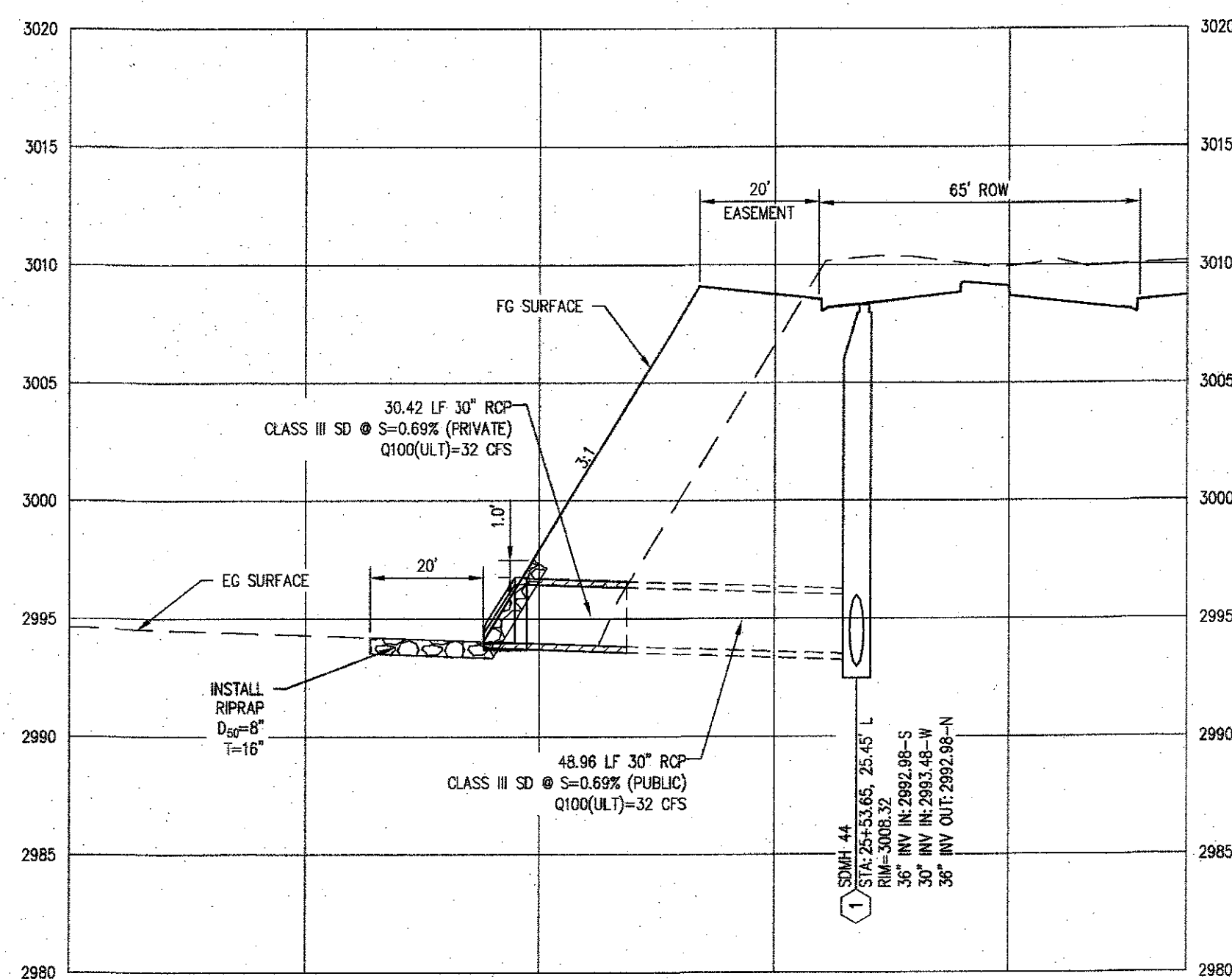


DATE: 6/1/20
DRAFTER: HF
DESIGNER: HF
CHECKED: DY
PROJECT NO.
OLY1609-000



LAT-01
SHEET 14 OF 44
L18-02471
107V7512





APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 126409 FIRST APPROVAL DATE: 6/12/19

7/6 p.020

S-I-G **SLATER HANIFAN GROUP**
a Westwood team
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300
FAX (702) 284-5398

NO.	DESCRIPTION	DATE	BY	APP. DATE	APP.
Δ	REV. PROFILES 1, 10 & REARRANGE DETAILS	3/9/19			EMH

NINETY-FIVE MANAGEMENT LLC

SKYE CANYON PHASE 3BC
SHAUMBER ROAD
STORM DRAIN LATERALS II

DATE:	6/1/20
DRAFTER:	HF
DESIGNER:	HF
CHECKED:	DY
PROJECT NO.	
OLY1609-000	

PROFESSIONAL ENGINEER - STATE OF NEVADA
 DERICK D.J. YORO
 Expires: 06/30/2020
 CIVIL
 No. 16396
 6/18/20

LAT-02

SHEET 15 OF 44

L18-02471
 107V7512

APPENDIX B

Improvement Plans & CD of Electronic Files

4/21/2021

Albert Sung, P.E.
City of Las Vegas
495 S. Main Street
Las Vegas, NV 89101

**Re: Technical Drainage Study Update No. 3
Skye Canyon Phase 3B/3C Infrastructure**

Albert:

This letter certifies that all items provided on the Update No. 3 to the Technical Drainage Study for Skye Canyon Phase 3B/3C Infrastructure submittal CD match the paper version bound into the study.

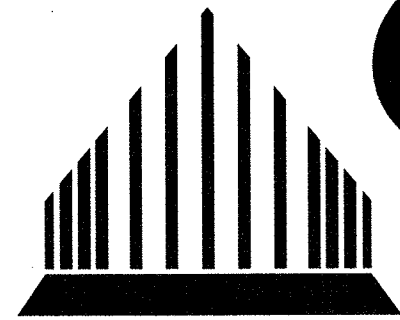
Please contact me if you have any questions.

Sincerely,

WESTWOOD PROFESSIONAL SERVICES



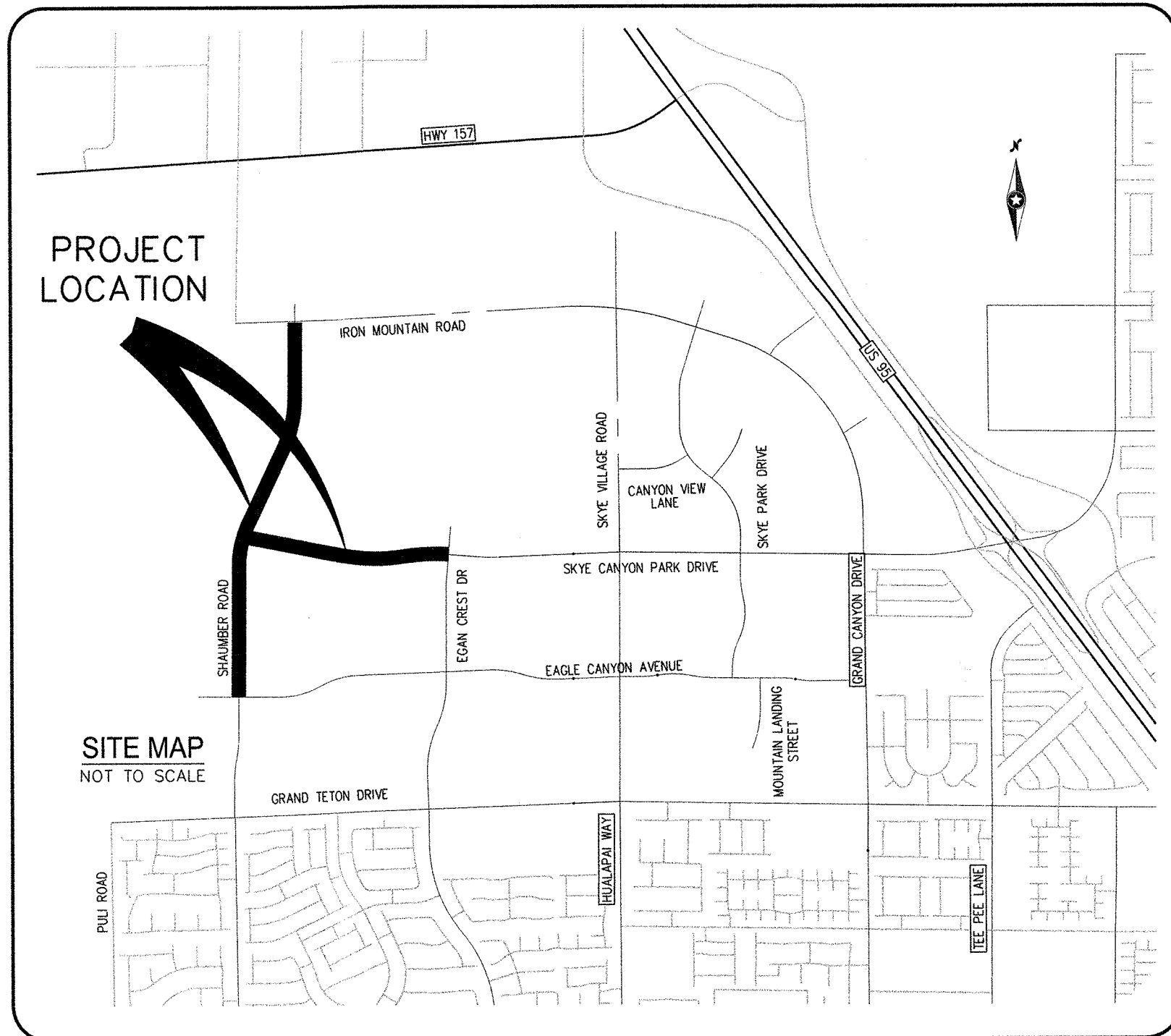
Lant Leavitt, P.E.
Project Manager II



CENTURY
COMMUNITIES

IMPROVEMENT PLANS
FOR
SHAUMBER ROAD & SKYE
CANYON PARK DRIVE

CITY OF LAS VEGAS, NEVADA
RESIDENTIAL SUBDIVISION
APN: 126-12-501-004



Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL NOTES
3	ABBREVIATIONS, LEGEND, AND QUANTITIES
4	ROADWAY SECTIONS
5	CONSTRUCTION PLAN - SR 22+00 TO 28+00
6	CONSTRUCTION PLAN - SR 28+00 TO 34+50
7	CONSTRUCTION PLAN - SR 34+50 TO 40+50
8	CONSTRUCTION PLAN - SR 40+50 TO 46+50
9	CONSTRUCTION PLAN - SR 46+50 TO 52+50
10	CONSTRUCTION PLAN - SR 52+50 TO 58+50
11	CONSTRUCTION PLAN - SR 58+50 TO 64+50
12	CONSTRUCTION PLAN - SR 64+50 TO 69+50
13	CONSTRUCTION PLAN - SCP 38+00 TO 45+00
14	CONSTRUCTION PLAN - SCP 45+00 TO 51+50
15	STORM DRAIN LATERALS

APPROVALS

CLV ENGINEERING OFFICE

CLV FIRE & RESCUE

CLV PLANNING DEPARTMENT

CENTRAL TELEPHONE CO. DBA CENTURYLINK

THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT 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 AND ENGINEERING SERVICES

PROJECT NO. 126-12-501-004 FIRST APPROVED DATE: 04/12/21
LVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW 20 GPM

SHEETS: ADD FIELD

NV ENERGY

NV ENERGY ACKNOWLEDGES THAT 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 THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

SOUTHWEST GAS CORPORATION

COX COMMUNICATIONS LAS VEGAS, INC.

OWNER/DEVELOPER

CENTURY COMMUNITIES OF NEVADA, LLC
6345 SOUTH JONES BLVD.
LAS VEGAS, NV 89118
PH: (702) 873-5338
CONTACT: PAULO CHAVEZ

ENGINEER

WESTWOOD PS
5725 W. BADURA AVE., SUITE 100
LAS VEGAS, NV 89118
PH: (702) 284-5300
FX: (702) 284-5399
CONTACT: KEVIN M. BROSS

BENCHMARK

MONUMENT ID: USDA (1934) 19
U.S. DEPARTMENT OF AGRICULTURE BRASS DISC AT SOUTHWEST CORNER OF U.S. 95 AND KYLE CANYON ROAD.
ELEVATION = 2817.61 FEET, 858.810 METERS
NAVD 88 DATUM
PER THE CITY OF LAS VEGAS BENCHMARK BOOK - 2008 ADJUSTMENT (UPDATED 05/24/2010)

BASIS OF BEARINGS

NORTH 89°16'30" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN FILE 147, PAGE 71 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

FEMA FLOOD ZONE INFORMATION

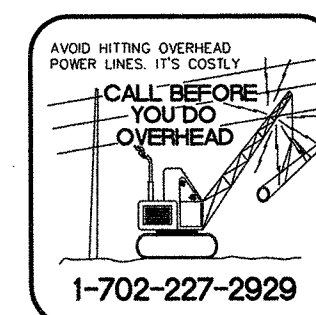
THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE 'X' (AREA OUTSIDE THE 500 YEAR FLOODPLAIN), PER THE FEMA FIRM PANELS 32003C1750E DATED SEPTEMBER 27, 2002

DEVIATIONS FROM STANDARDS

NONE

SWPPP NOTE

NOTE: ALL LAND SURFACE AREA DISTURBANCES OVER 1 ACRE REQUIRE A STORMWATER DISCHARGE PERMIT ISSUED BY THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP). A PHASED CONSTRUCTION UNIT IN A CONTIGUOUS SUBDIVISION IS CONSIDERED UNDER CONSTRUCTION UNTIL ALL STRIPPED SURFACE AREAS HAVE BEEN COVERED BY PAVING, BUILDING CONSTRUCTION OR PLANTING. A STORMWATER DISCHARGE PERMIT APPLICATION AND ASSOCIATED INFORMATION MAY BE DOWNLOADED FROM THE WEB SITE: [HTTP://WWW.STATE.NV.US/BWPC/STORM01.HTM](http://www.state.nv.us/bwpc/storm01.htm) PROJECTS THAT DISTURB MORE THAN ONE ACRE OF LAND MUST SUBMIT TO NDEP A "NOTICE OF INTENT" FOR INCLUSION UNDER STORMWATER PERMIT NO. NVRI00000 ALONG WITH THE APPROPRIATE FILLING FEE.



Westwood

5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
Phone (702) 284-5300
Fax (702) 284-5399
westwoodps.com
Westwood Professional Services, Inc.

CENTURY
COMMUNITIES

SHAUMBER ROAD & SKYE CANYON PARK DRIVE
COVER SHEET

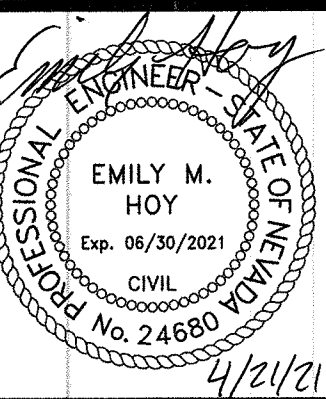
DATE: 04/12/21

DRAFTER: LBA

DESIGNER: LBA

CHECKED: KMB

PROJECT NO.
CEN2001.001



C-1
SHEET 1 OF 15

STORMWATER RUNOFF MANAGEMENT

(REQUIRED FOR ALL SITES GREATER THAN 1 ACRE (43,560 SQ.FT.))

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SITE STABILIZATION REQUIREMENTS, SCHEDULES, AND DEADLINES.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, INSPECTIONS SECTION.
5. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
6. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL RESPOND TO STORMWATER INSPECTION CORRECTIVE ACTIONS IN THE MANNER PRESCRIBED BY CLARK COUNTY, INCLUDING BUT NOT LIMITED TO PROVIDING PHOTOS AND DESCRIPTIONS OF THE CORRECTIONS COMPLETED BY THE CONTRACTOR OR HIS AGENT.

BENCHMARK

MONUMENT ID: USDA (1934) 19

U.S. DEPARTMENT OF AGRICULTURE BRASS DISC AT SOUTHWEST CORNER OF U.S. 95 AND KYLE CANYON ROAD.

ELEVATION = 2817.61 FEET, 858.810 METERS
NAVD 88 DATUM

PER THE CITY OF LAS VEGAS BENCHMARK BOOK --
2008 ADJUSTMENT (UPDATED 05/24/2010)

BASIS OF BEARINGS

NORTH 89°16'30" WEST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN FILE 147, PAGE 71 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "C" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVNYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80) FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80) FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y"-'S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVMD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

REVISED 04/15/10

LAS VEGAS VALLEY WATER DISTRICT (LVVMD) STANDARD NOTES

LVVMD PROJECT # ADD FIELD (REVISED 01/27/2021)

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVMD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVMD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVMD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVMD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVMD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVMD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVMD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVMD APPROVED PRODUCTS LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.
13. TELEPHONE USA NORTH 811 "CALL BEFORE YOU DIG" AT "811" OR 1-800-642-2444.
14. THE INSTALLATION OF LVVMD MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVMD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PROPOSED LOCATION OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ADJUTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVMD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVMD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVMD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVMD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.

IS NO LEAD COMPLIANCE NOTE:
TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

GRADING NOTES

1. INDICATED GRADES OTHER THAN T.C., F.G. & GUTTER F.L. ARE ROUGH GRADES.
2. THE ROUGH GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE ROUGH GRADING SHALL BE FINISHED IN CONFORMANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS. THE GRADING QUANTITIES ARE BASED ON THE ELEVATION AND DETAILS SHOWN ON THE PLANS. ANY DEVIATIONS FROM THE PLANS WILL RESULT IN QUANTITY CHANGES.
3. CARE SHALL BE EXERCISED IN GRADING CORNER LOTS.
4. ROUGH PAD ELEVATIONS SHALL BE GRADED TO WITHIN 0.1" OF THE PAD ELEVATIONS SHOWN ON THE PLANS. WHEN GRADING IS COMPLETE PER THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE LOTS CAN BE INSPECTED. AT THAT TIME THE ENGINEER SHALL ALSO DECIDE IF ANY ADDITIONAL DITCHES OR BERMS ARE REQUIRED. THE CONTRACTOR IS REQUESTED NOT TO REMOVE ANY OF HIS ROUGH GRADING EQUIPMENT UNTIL HE RECEIVES GRADING APPROVAL FROM THE ENGINEER.
5. SOLS REPORT PREPARED BY ?????, PROJECT NO. #####, DATED ###/##/####
6. EARTHWORK QUANTITIES (RAW):
- CUT = ##### CUBIC YARDS
- FILL = ##### CUBIC YARDS
A) THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SUBSIDENCE OR SHRINKAGE.
B) THE ABOVE QUANTITIES DO REFLECT USING NATIVE MATERIAL IN LIEU OF TYPE I GRAVEL BASE MATERIAL FOR STREET SECTIONS.
C) THE ABOVE QUANTITIES DO NOT REFLECT ANY EARTHWORK WHICH MAY BE REQUIRED BY THE ENGINEER TO CONSTRUCT ADDITIONAL PROTECTIVE DITCHES OR BERMS NOT SHOWN ON THESE DRAWINGS.

CITY OF LAS VEGAS FIRE AND RESCUE GENERAL NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE, # 6631 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICTS -- APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
3. A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. IFC §105.6.15
4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATION, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. IFC §1310, §1312
5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. IFC §507.2.1, NFPA 24
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. IFC §106.3
7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. IFC §507.2.1, NFPA 24
8. PAINTING OF CURBS, FIRE HYDRANTS, PAIDS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC §507
9. PRIVATE HYDRANTS SHALL BE PAINTED RED. IFC §507.5.7.1
10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC §507
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: IFC §1012
 - RESIDENTIAL -- 500 FT UNSPRINKLERED; 600 FT SPRINKLERED
 - COMMERCIAL -- 300 FT UNSPRINKLERED; 400 FT SPRINKLERED
12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT OR AN ALTERNATING BASIS. IFC §1012.8
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. IFC §1012.10
15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. IFC §1012.4
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. IFC §1012.7
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. IFC §1012.6
18. TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. FOR SYSTEMS REQUIRED TO HAVE TWO (2) SOURCES OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. FOR SYSTEMS PERMITTED TO HAVE ONE SOURCE OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 3 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. IFC §1014
19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. IFC §503.2.3
20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. IFC §503.2.7, §503.2.8
21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. IFC §503.2.4
22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. IFC § 503.2.1
23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 33 FT WITH PARKING ON BOTH SIDES MEASURED TO FACE OF CURB. NOT LESS THAN 28 FT WIDE WITH PARKING RESTRICTED TO ONE SIDE MEASURED TO FACE OF CURB. NOT LESS THAN 24 FT WID WITH NO PARKING ON EITHER SIDE MEASURED TO FACE OF CURB. FIRE LINES THROUGH PARKING LOTS SHALL BE NOT LESS THAN 24 FT. IFC § 503.2.1.1
24. A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. IFC §503.1.1
25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 200 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD- ENDS OR A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT. CLV REGULATION AND MOU
26. ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LINES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. CLV REGULATION
27. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LINE, ONE SIGN AT THE END OF THE FIRE LINE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LINES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. ON THE PAVEMENT OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. IFC §503.3
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. IFC §503.6
29. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS, OR HAVING FOUR OR MORE TRAVEL LANES AND A TRAFFIC COUNT OF MORE THAN 30,000 VEHICLES PER DAY, ALL HYDRANTS BEING UTILIZED TO DELIVER FIRE FLOW TO THE PROPOSED LOCATION SHALL BE LOCATED ON THE SAME SIDE OF THE STREET AS THE PROPOSED DEVELOPMENT. CLV REGULATION

CITY OF LAS VEGAS GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1"	+0.0" TO -0.1"	SEE SOLS REPORT
B. ENGINEERED FILL	0.5"	+0.1" TO -0.1"	SEE SOLS REPORT

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES, INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL, IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE, AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

REVISED 04/15/10

UTILITY LOCATION NOTE TO CONTRACTOR

EXISTING UTILITY LOCATIONS SHOWN HEREIN 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 LOCATIONS. CALL BEFORE YOU DIG: 1 (800) 227-2600; SOUTHWEST GAS CORPORATION: 702-278-8451 (STANDBY CONTACT NUMBER)

CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE, THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY HIS OPERATION DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED SATISFACTORILY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE UL OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING STRUCTURES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOLS REPORT AS PREPARED BY ADD GEO. REPORT #ADD FIELD, ADD FIELD APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

1. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS OF NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
2. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
3. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
4. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF MOOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
5. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC., THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OPPOSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
6. AFTER HAUNCHING AND PRIOR TO BACKFILL OPERATIONS WHICH WOULD COVER SANITARY SEWER AND STORM DRAIN FACILITIES, CONTRACTOR IS REQUIRED TO SCHEDULE CLV OPEN-TRENCH UTILITY SURVEY INSPECTION FOR DETERMINATION OF FINAL LOCATION COORDINATES. FACILITIES TO BE LOCATED BY CLV SHALL INCLUDE AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERAL EXIT THE PUBLIC RIGHT-OF-WAY, SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS.

REVISED 06/04/2018

RTC FAST NOTES

1. CONTRACTOR IS TO MAINTAIN AND KEEP OPERATIONAL ALL EXISTING ITS INFRASTRUCTURE WITHIN THE CONSTRUCTION LIMITS. IF ANY EXISTING ITS INFRASTRUCTURE IS DAMAGED DUE TO CONSTRUCTION, WITHIN THE PROJECT LIMITS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT MR. LONNIE BROWN (RTC/FAST MANAGER TRAFFIC SYSTEMS MAINTENANCE) AT 702-290-1979 CELL OR 702-432-5300 GENERAL.
2. IF ANY EXISTING FIBER OPTIC CABLE IS TO BE CUT, SPLICED AND/OR PULLED, ALONG OR ADJACENT TO THE PROJECT LIMITS, THE CONTRACTOR IS TO CONTACT MR. LONNIE BROWN TWO (2) WEEKS IN ADVANCE FOR SYSTEM SHUTDOWN COORDINATION.
3. CONTRACTOR MUST NOTIFY MR. LONNIE BROWN AT 702-290-1979 CELL, 702-432-5300 GENERAL, OR AT BROWN@RTC5NV.COM, ONCE ALL PROJECT ITS FIBER OPTIC WORK IS COMPLETE.

REVISED 05/01/2020

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADE, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SUGGESTED ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION ZONE AND PUBLIC WORKS, THE CONTRACTOR SHALL NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD", THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF THE TIME THAT GUARDS WILL BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL UTILIZE TYPE X RETROREFLECTIVE SHEETING IN ACCORDANCE WITH COAUS8 627 AND 716 AND SHALL HAVE AN ANTI-GRAFFITI PROTECTIVE OVERLAY FILM THAT IS A MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR MSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA (RTC), IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-4442) WHO WILL PROVIDE OFFICERS PROPERTY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY MTRG AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGHOUT THE PROJECT FOR DIRECTION PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT PAVEMENT. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

REVISED JUNE 4, 2018

CITY OF LAS VEGAS STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION (USS), AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" (USD), LATEST REVISION.
2. DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS.
3. LUMINAIREs SHALL BE MARKED TO INDICATE INSTALLATION ORIENTATION, AND SHALL HAVE EXTERNAL LABELS PER ANSI C136 THAT INDICATE WATTAGE AND ARE CLEARLY VISIBLE FROM STREET LEVEL.
4. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUIITS, ETC., LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC AND CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623 OF THE USS.
5. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 623.03.01 OF THE USS.
6. ALL EMPTY CONDUIT SHALL HAVE AT LEAST ONE GREEN NO. #8 AWG WIRE INSTALLED AS TRACER WIRE IN ACCORDANCE WITH SECTION 623.02.01 OF THE USS PRIOR TO BACKFILLING AND FINAL INSPECTION.
7. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN COMPLIANCE WITH USD NO. 302A. WHEN POLE IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.
8. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TRAFFIC ENGINEERING DIVISION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
9. SERVICE POINTS SHALL BE COORDINATED WITH NV ENERGY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICEPOINTS SHALL BE SHOWN ON THE PLANS.
10. NEW STREETLIGHT SERVICES SHALL BE 200 AMP PADMOUNT AND SHALL PROVIDE CAPACITY FOR 20 OR 24 AVAILABLE CIRCUITS.
11. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREETLIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED, AT NO EXPENSE TO THE CITY OF LAS VEGAS.
12. THE CONTRACTOR SHALL FURNISH COMPLETE CONDUIT, WIRE, ETC. FROM SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON THE PLANS.

REVISED MAY 19, 2020 (LD VERSION)

DEVIATIONS FROM STANDARDS

NONE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. ##### FIRST APPROVED DATE: _____
LVVMD APPROVED FIRE FLOW ##### GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW _____ GPM



Westwood
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Las Vegas, NV 89118
Phone (702)

ABBREVIATIONS

AC	ASPHALTIC CONCRETE OR ACRE	FL	FLOWLINE	PM	POINT OF VERTICAL INTERSECTION
AGG	AGGREGATE BASE	FT	FEET OR FOOT	QTY	QUANTITY
APN	ASSESSORS PARCEL NUMBER	FUT	FUTURE	R	RADIUS
APPROX OR ~	APPROXIMATE	GRD	GRADE OR GROUND	RCA	REINFORCED CONCRETE ARCH
AVE	AVENUE	GB	GRADE BREAK OR GRADE CHANGE	RCD	REINFORCED CONCRETE BOX
@	AT	GV	GATE VALVE	RCP	REINFORCED CONCRETE PIPE
BC	BEGIN CURVE OR BACK OF CURB	HDPE	HIGH DENSITY POLYETHYLENE	RD	ROAD
BOR	BEGINNING OF CURB RETURN	HOA	HOME OWNERS ASSOCIATION	ROWY ESMT	ROADWAY EASEMENT
BHW	BOTTOM OF HEADWALL	HORZ	HORIZONTAL	REQD	REQUIRED
BLDG	BUILDING	HP	HIGH POINT	REV	REVISION
BLVD	BOULEVARD	HWL	HIGH WATER LEVEL	RG	ROUGH GRADE
BM	BENCHMARK	HEADW	HEADWALL	RT OR R	RIGHT
BVC	BEGIN VERTICAL CURVE	HYDR	HYDRAULIC OR HYDRANT	RW, ROW	RIGHT OF WAY
BWV	BACK WATER VALVE	ID	INSIDE DIAMETER	S	SLOPE
CC	CLARK COUNTY	IN	INCH	SCH	SCHEDULE
CCAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS	INT	INTERSECTION	SD	STORM DRAIN
CCPW	CLARK COUNTY PUBLIC WORKS	INV	INVERT ELEVATION	SDDI	STORM DRAIN DROP INLET
CCRFCD	CLARK COUNTY REGIONAL FLOOD DISTRICT	IP	IRON PIPE	SDDH	STORM DRAIN MANHOLE
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT	IRRG	IRRIGATION	SEC	SECTION
CE	COMMON ELEMENT	LF	LANDSCAPE MAINTENANCE CORPORATION	SF	SQUARE FEET
CLC/LC	CENTERLINE	LMC	LOW POINT	SMT	SHEET
CLR	CLEAR OR CLEARANCE	LT OR L	LEFT	SLTC	STREET LIGHT & TRAFFIC CONTROL ESMT
CLSM	CONTROLLED LOW STRENGTH MATERIAL	LWVND	LAS VEGAS VALLEY WATER DISTRICT	SNWA	SOUTHERN NEVADA WATER AUTHORITY
CLV	CITY OF LAS VEGAS	LWL	LOW WATER LEVEL	SPEC	SPECIFICATIONS
CML&C	CEMENT MORTAR LINED AND COATED	MAX	MAXIMUM	SSMH	SANITARY SEWER MANHOLE
CMU	CONCRETE MASONRY UNIT	MECH	MECHANICAL	STA	STATION
CNVL	CITY OF NORTH LAS VEGAS	MH	MANHOLE	STD	STANDARD
COH	CITY OF HENDERSON	MIN	MINIMUM	STL	STEEL
CONC	CONCRETE	MISC	MISCELLANEOUS	STLT	STREET LIGHT
CT	COURT	MUE	MUNICIPAL UTILITY EASEMENT	SW	SIDEWALK
CY OR CU YD	CUBIC YARD	NDOT	NEVADA DEPARTMENT OF TRANSPORTATION	SWG	SOUTHWEST GAS
DCWCS	DESIGN AND CONSTRUCTION FOR WASTEWATER COLLECTION SYSTEMS	NTS	NOT TO SCALE	SWR OR SS	SANITARY SEWER
DE	DRAINAGE EASEMENT	NUE	NONEXCLUSIVE UTILITY EASEMENT	SY	TANGENT
DET	DETAIL	NVE	NV ENERGY	TAN	TANGENT
DI	DUCTILE IRON OR DRAIN INLET	OC	ON CENTER	TC	TOP OF CURB
DIA, Ø	DIAMETER	OD	OUTSIDE DIAMETER OR OVERALL DIMENSION	TF	TOP OF FLOOR OR TOP OF FOOTING
DIP	DUCTILE IRON PIPE	OFF	OFFSET	TG	TOP OF GRATE
DR	DRIVE	ORIG	ORIGINAL	THRU	THROUGH
DWG(S)	DRAWING	PAC	PUBLIC OR PEDESTRIAN ACCESS EASEMENT	THW	TOP OF HEADWALL
DWY	DRIVEWAY	PB	PULL BOX	TP	TOP OF PIPE
EA	EACH	PC	POINT OF CURVE	TW	TOP OF WALL
ECR	END CURB RETURN	PCC	POINT OF COMPOUND CURVE	TRW	TOP OF RETAINING WALL
EG	EXISTING GROUND	PDE	PUBLIC DRAINAGE EASEMENT	TSW	TOP OF SCREEN WALL
ELEV	ELEVATION	PL	PROPERTY LINE	TYP	TYPICAL
ESMT	EASEMENT	POB	POINT OF BEGINNING	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
EP	EDGE OF PAVEMENT	POC	POINT OF CURVATURE	UE	UTILITY EASEMENT
EVC	END VERTICAL CURVE	PRC	POINT OF REVERSE CURVATURE	VC	VERTICAL CURVE
EX OR EXIST	EXISTING	PRELIM	PRELIMINARY	VERT	VERTICAL
FC	FACE OF CURB	PROP	PROPOSED	VG	VALLEY GUTTER
FF	FINISHED FLOOR	PRV	PRESSURE REDUCING VALVE	WI	WROUGHT IRON
FGH	FINISHED GRADE, HIGH SIDE	PUE	PUBLIC UTILITY EASEMENT	WL	WATER LINE
FGL	FINISHED GRADE, LOW SIDE	PT	POINT OF TANGENT OR POINT	WPZ	WATER PRESSURE ZONE
FH	FIRE HYDRANT	PVC	POLYVINYL CHLORIDE	WT	WEIGHT
				WTR	WATER LINE

SPECIAL NOTE

IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED WHICH IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY OF LAS VEGAS DEPT. OF PUBLIC WORKS. TEMPORARY CONSTRUCTION ITEMS INCLUDE: PAVEMENT TRANSITIONS, PROTECTIVE DITCHES AND BERMS, ROAD SIGNS AND BARRICADES, ETC.

NOTICE TO CONTRACTOR

-QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

-EXISTING UTILITY LOCATIONS SHOWN HEREIN 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 LOCATIONS. CALL BEFORE YOU DIG. (800) 227-2600

LEGEND

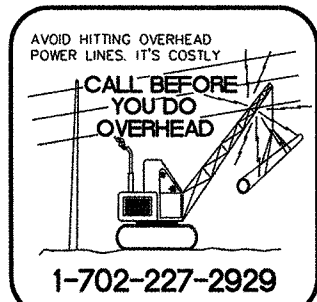
EXISTING	PROPOSED	DESCRIPTION
		5' CONTOUR
		1' CONTOUR
		STRIPING
		SEWER MANHOLE
		CURB AND GUTTER
		SANITARY SEWER PIPE AND FLOW ARROW
		WATER PIPE
		WATER GATE VALVE
		FIRE HYDRANT
		WATER BLOW-OFF
		WATER LATERAL W/ METER
		SANITARY SEWER LATERAL
		STREETLIGHT
		EDGE OF PAVEMENT
		TRAFFIC SIGN
		PAD ELEVATION
		FINISHED FLOOR ELEVATION
		ELEVATION
		RETAINING WALL
		STORM DRAIN W/ MANHOLE
		EXISTING GAS GATE VALVE
		EXISTING UNKNOWN MANHOLE
		EXISTING GAS, SIZE PER PLAN
		EXISTING POWER POLE
		EXISTING TRAFFIC SIGNAL
		EXISTING WALL
		WATER PIPE FITTING
		WATER POINT OF CONNECTION
		SEWER POINT OF CONNECTION
		DAYLIGHT LINE
		STREET CENTERLINE
		RIGHT-OF-WAY
		MATCHLINE
		BOUNDARY LINE
		PHASE LINE
		PROPERTY LINE
		FLOWLINE
		SAWCUT
		CUT/FILL TRANSITION LINE
		SIDEWALK
		EX STRIPING TO BE OBLITERATED
		GRADE BREAK LINE
		REFLECTIVE RAISED PAVEMENT MARKERS
		BACK WATER VALVE
		WROUGHT IRON FENCE
		PONY WALL
		DECORATIVE PERIMETER WALL
		DECORATIVE PERIMETER RETAINING WALL
		PROPOSED CURB AND GUTTER WITH RIGHT-OF-WAY AT BACK OF CURB
		EXISTING CURB AND GUTTER WITH RIGHT-OF-WAY AT BACK OF CURB
		FUTURE CURB AND GUTTER WITH RIGHT-OF-WAY AT BACK OF CURB

QUANTITIES

	PRIVATE	PUBLIC
DRAINAGE		
1. 60" TYPE III STORM DRAIN MANHOLE	EA	-
2. 5.0' TYPE "CM2" DROP INLET	EA	-
3. 10.0' TYPE "CM2" DROP INLET	EA	-
4. 17.5' TYPE "CM2" DROP INLET	EA	-
5. 20.0' TYPE "CM2" DROP INLET	EA	-
6. 18" RCP CLASS IV STORM DRAIN	LF	-
7. 24" RCP CLASS IV STORM DRAIN	LF	-
8. 30" RCP CLASS IV STORM DRAIN	LF	-
9. 36" RCP CLASS IV STORM DRAIN	LF	-
10. RIPRAP D50-8", THK=16"	SF	-
11. 8" WIDE CONCRETE VALLEY GUTTER W/10" TYPE I AGGREGATE BASE	SF	-
12. SIDEWALK UNDER DRAIN	SF	-
13.		
SEWER SYSTEM		
1. 4" PVC SEWER LATERAL (PRIVATE)	LF	-
2. 8" PVC SEWER PIPE (PUBLIC)	LF	-
3. STANDARD 48" SEWER MANHOLE (PUBLIC)	EA	-
4. 8" SEWER PIPE CAP	EA	-
5. BACK WATER VALVE	EA	-
6. 8" C-900 WATER QUALITY SEWER PIPE (PUBLIC)	EA	-
7.		
WATER SYSTEM		
1. FIRE HYDRANT ASSEMBLY W/6" GATE VALVE PER UDACS PLATE NO. 40	EA	-
2. 6" PVC WATER PIPE (CLASS 150)	LF	-
3. 8" PVC WATER PIPE (CLASS 150)	LF	-
4. 8" DIP WATER PIPE (CLASS 53)	LF	-
5. 8" GATE VALVE WITH VALVE BOX PER UDACS PLATE NO. 30 & 39	EA	-
6. 8" X 6" TEE PER UDACS PLATE NO. 31	EA	-
7. 8" X 8" TEE PER UDACS PLATE NO. 31	EA	-
8. 8" 5 DEGREE BEND WITH RESTRAINED JOINTS	EA	-
9. 8" 11.25 DEGREE BEND PER UDACS PLATE NO. 31	EA	-
10. 8" 22.5 DEGREE BEND PER UDACS PLATE NO. 31	EA	-
11. 8" 45 DEGREE BEND PER UDACS PLATE NO. 31	EA	-
12. 8" 90 DEGREE BEND PER UDACS PLATE NO. 31	EA	-
13. CAP AND 2" BLOW-OFF ASSEMBLY W/CAP PER UDACS PLATE NO. 36	EA	-
14. 1" COPPER SERVICE W/ 3/4" METER PER UDACS PLATE NO. 2	EA	-
15. 1" COPPER SERVICE W/ 1" METER PER UDACS PLATE NO. 4	EA	-
16. 1" COPPER SERVICE W/ 3/4" METER & 1" RPPA PER UDACS PLATE NO. 4 & 8	EA	-
STREET IMPROVEMENTS		
1. 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE	SY	-
2. 4" TYPE II AGGREGATE BASE	CY	-
3. STANDARD 18" TYPE "L" ISLAND CURB & GUTTER W/6" TYPE I AGGREGATE BASE	LF	-
4. STANDARD 8" TYPE "A" ISLAND CURB W/6" TYPE I AGGREGATE BASE	LF	-
5. SIDEWALK RAMP (CASE II) USDOCA STD. DWG. NO. 235	EA	-
6. SIDEWALK RAMP (CASE I) USDOCA STD. DWG. NO. 235	EA	-
TRAFFIC SIGNALS		
1. 30" STOP SIGN WITH POST (R1-1)	EA	-
2. 9" STREET NAME SIGN (D-3, BROWN W/ WHITE LETTERS)(6 POLES X 2 PER POLE=12)	EA	-
3. BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKER	EA	-
4. CROSSWALK MARKINGS	LF	-
5.		
6.		
7.		
8.		
DRY UTILITIES		
1. 100W H.P.S. LUMINAIRE STREET LIGHT W/DECORATIVE POLE	EA	-
2. 1-1/4" PVC STREET LIGHT CONDUIT WITH (2) #4 AND (1) #8 CONDUCTORS	LF	-
3. NO. 3-1/2 PULL BOX W/METAL COVER	EA	-
4. 150 AMP SERVICE PEDESTAL (RR)	EA	-
5. 200 AMP SERVICE PEDESTAL (STLT)	EA	-
6.		

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. ##### FIRST APPROVED DATE: _____
LVWD APPROVED FIRE FLOW ##### GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW ##### GPM



Westwood

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Las Vegas, NV 89118
Phone (702) 284-5300
Fax (702) 284-5399
westwoodps.com
Westwood Professional Services, Inc.

CENTURY
COMMUNITIES

SHAUMBER ROAD & SKYE CANYON PARK DRIVE
ABBREVIATIONS, LEGEND, AND QUANTITIES



DATE: 04/12/21

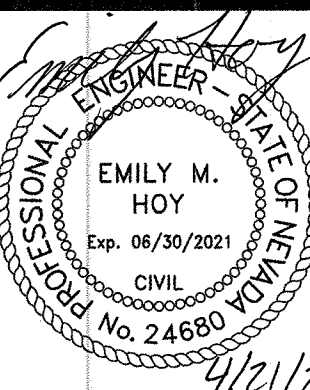
DRAFTER: LBA

DESIGNER: LBA

CHECKED: KMB

PROJECT NO.

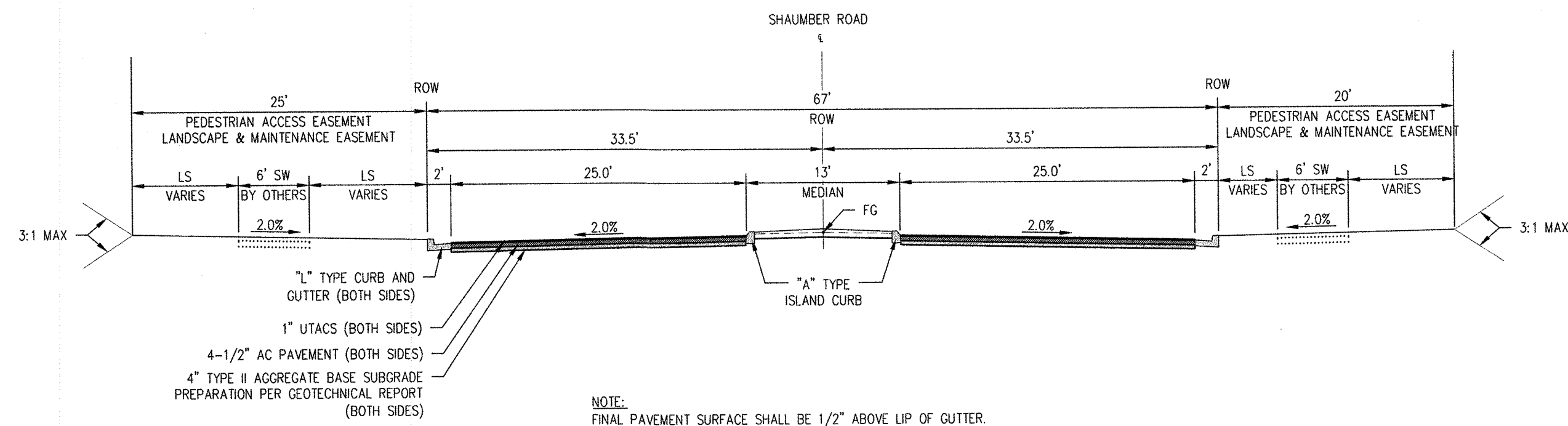
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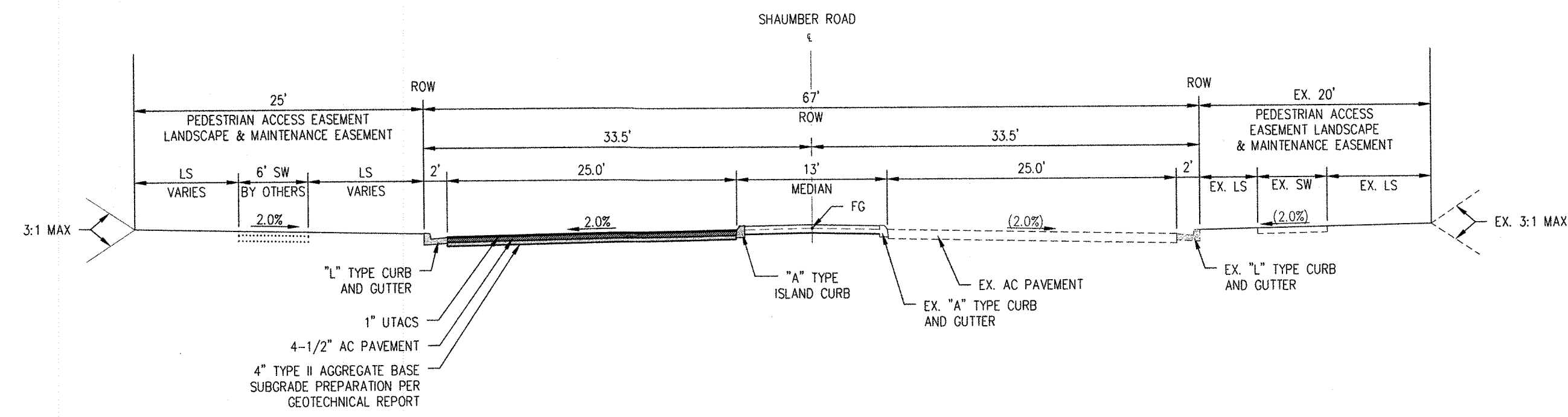
C-3

SHEET 3 OF 15

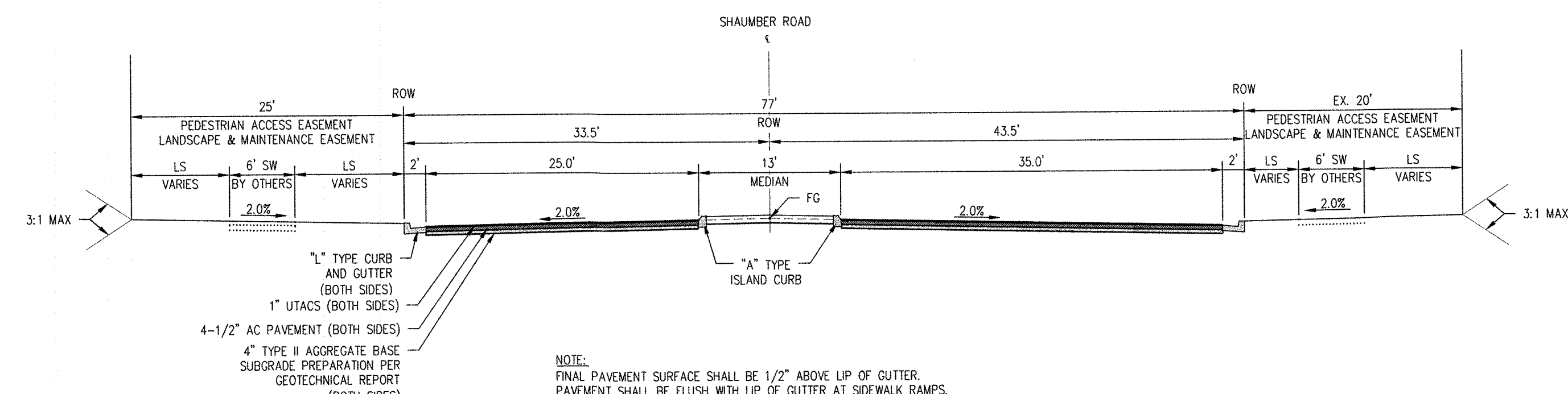
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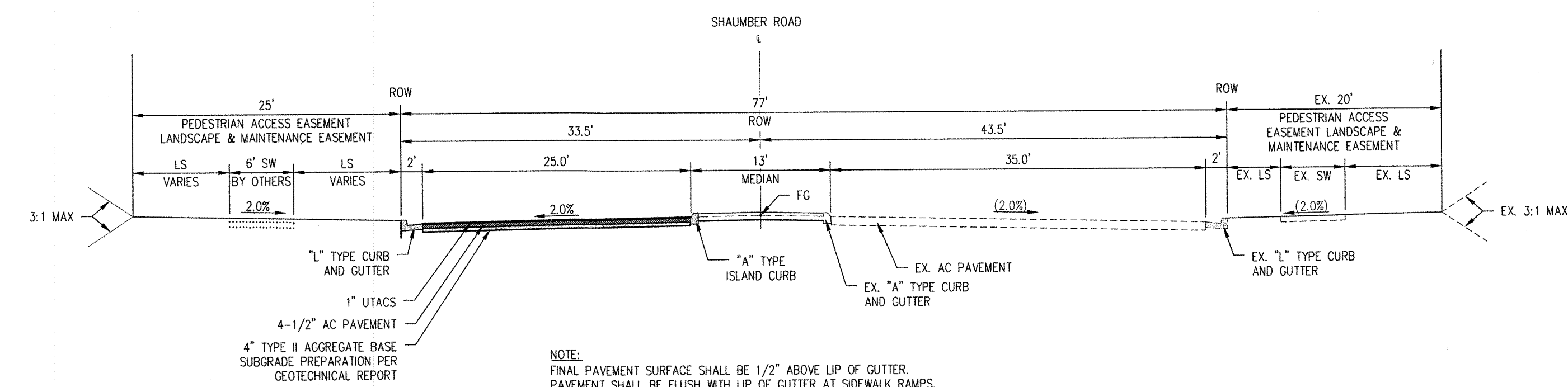
SHAUMBER ROAD (EAGLE CANYON AVENUE TO SKYE CANYON PARK DR) A
NOT TO SCALE MAJOR COLLECTOR



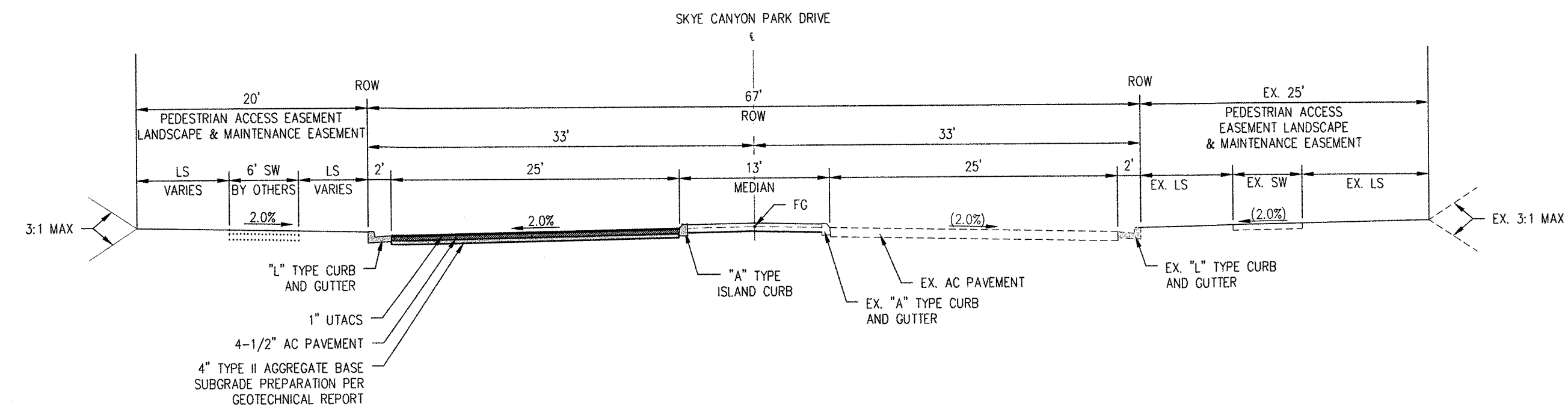
SHAUMBER ROAD (SKYE CANYON PARK DRIVE TO IRON MOUNTAIN RD) B
NOT TO SCALE MAJOR COLLECTOR



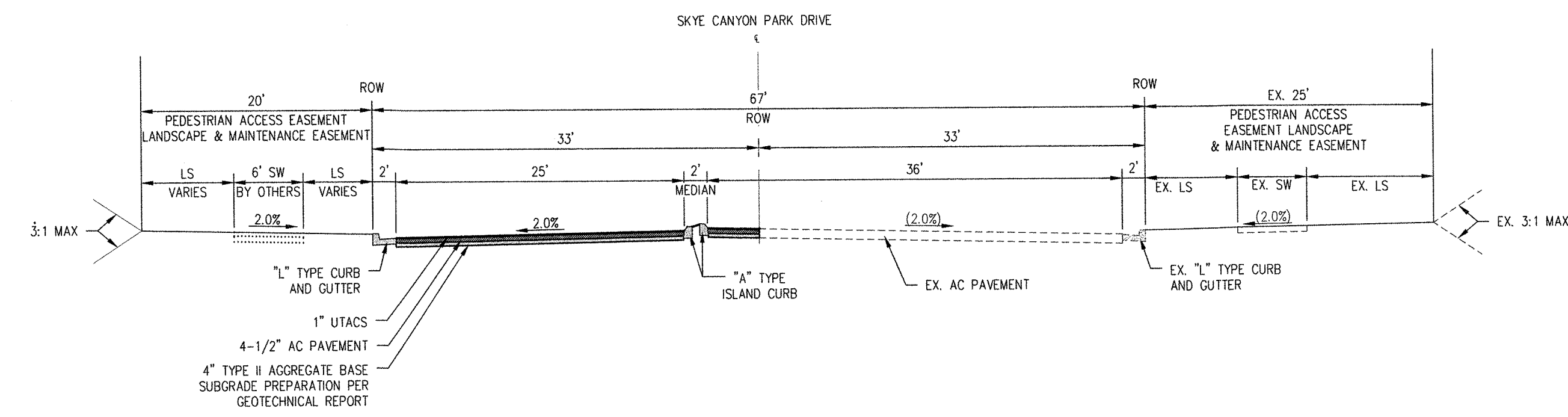
SHAUMBER STREET (RIGHT TURN) C
NOT TO SCALE MAJOR COLLECTOR



SHAUMBER STREET (RIGHT TURN) D
NOT TO SCALE MAJOR COLLECTOR



SKYE CANYON PARK DRIVE (SHAUMBER RD TO EGAN CREST AVE) E
NOT TO SCALE ARTERIAL STREET



SKYE CANYON PARK DRIVE (SHAUMBER RD TO EGAN CREST AVE) F
NOT TO SCALE ARTERIAL STREET

Westwood

5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
Phone (702) 384-5300
Fax (702) 384-5999
westwoodps.com
Westwood Professional Services, Inc.

APP
DATE
BY
DATE

DESCRIPTION
NO.

DATE
BY
DATE

CENTURY COMMUNITIES

SHAUMBER ROAD & SKYE CANYON PARK DRIVE
ROADWAY SECTIONS



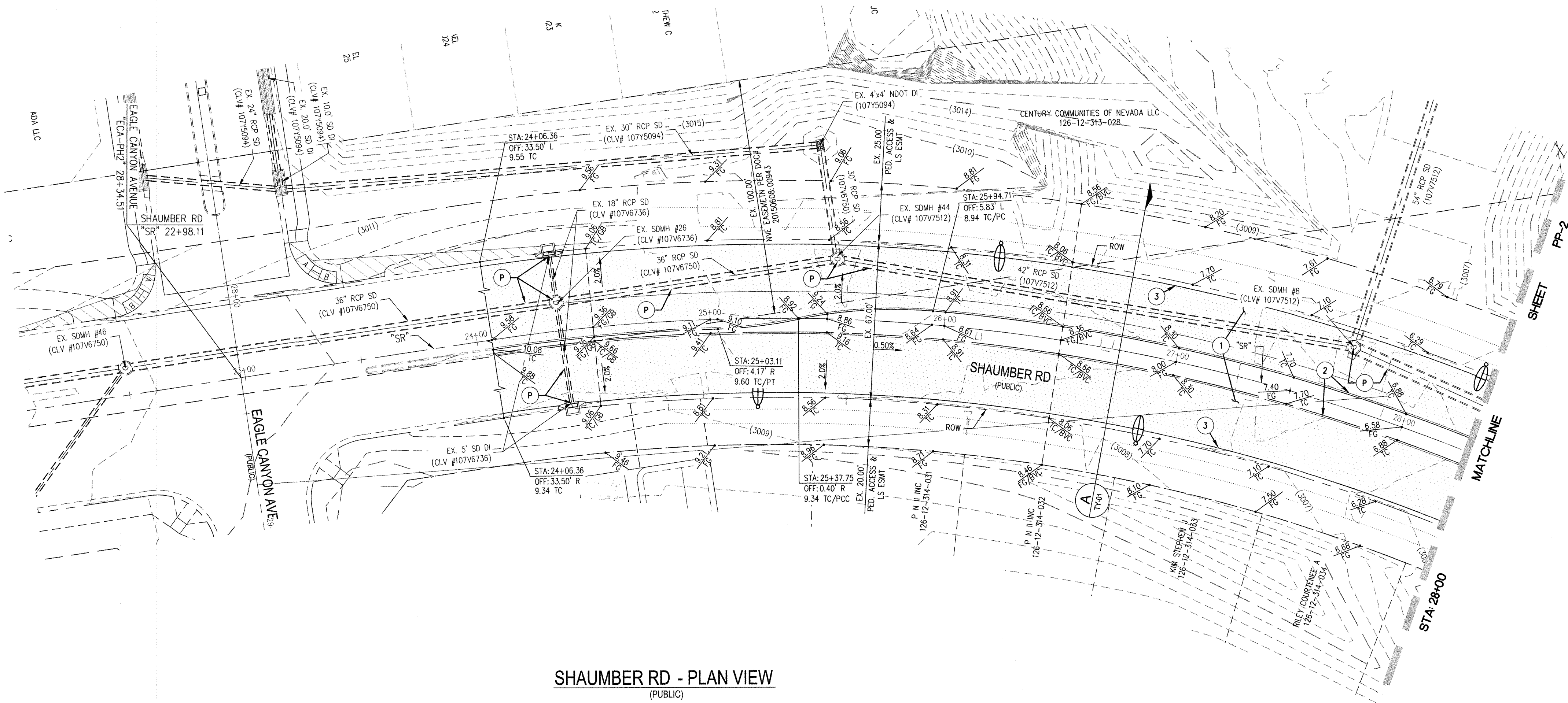
DATE: 04/12/21
DRAFTER: LBA
DESIGNER: LBA
CHECKED: KMB

PROJECT NO.
CEN2001.001

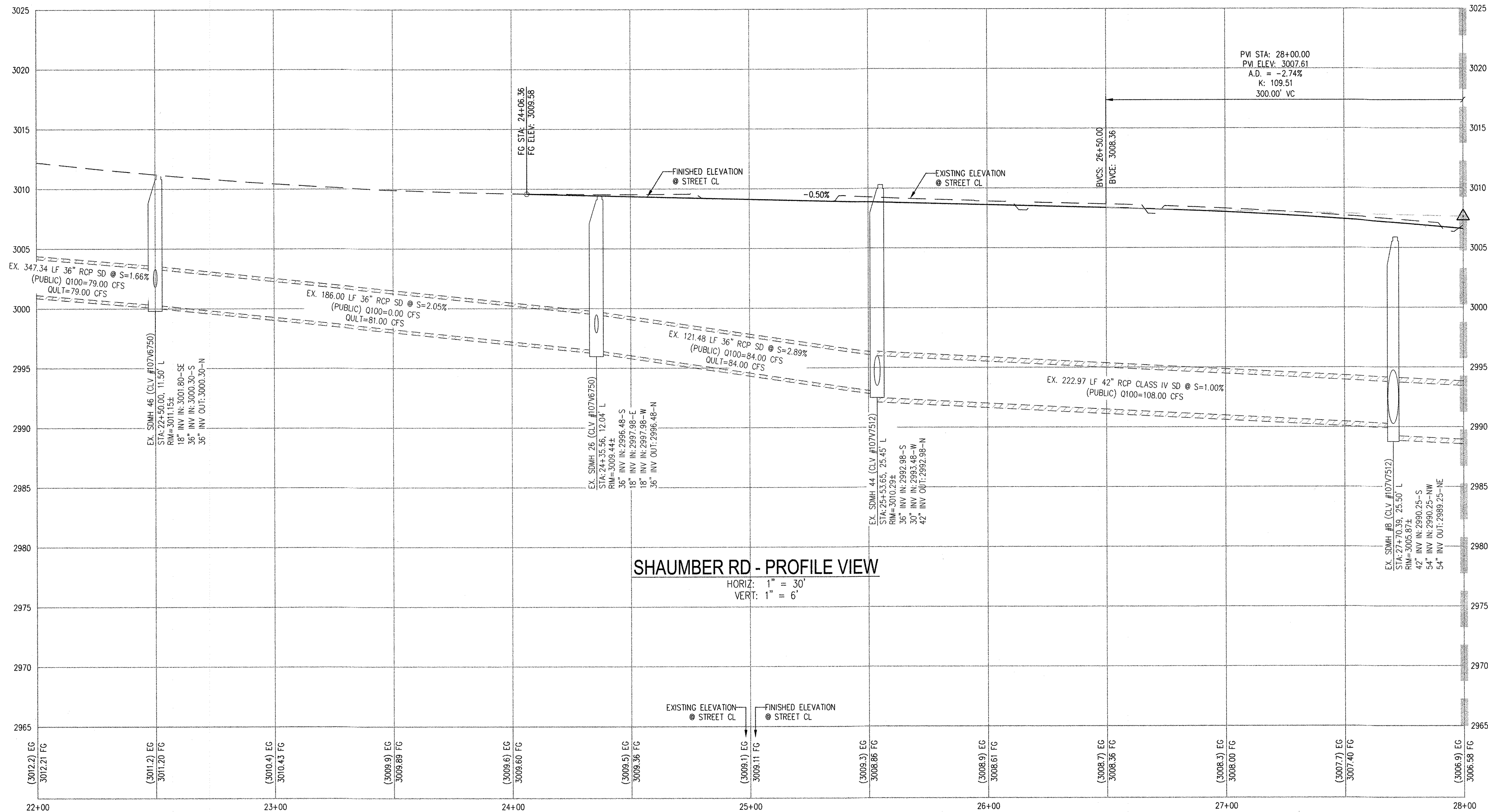
PROFESSIONAL ENGINEER - STATE OF NEVADA
EMILY M. HOY
Exp. 06/30/2021
CIVIL
No. 24688-KY-MIN-10-19-21

TY-1
SHEET 4 OF 15

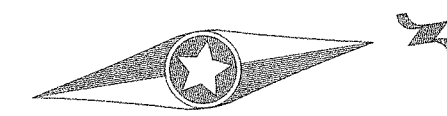
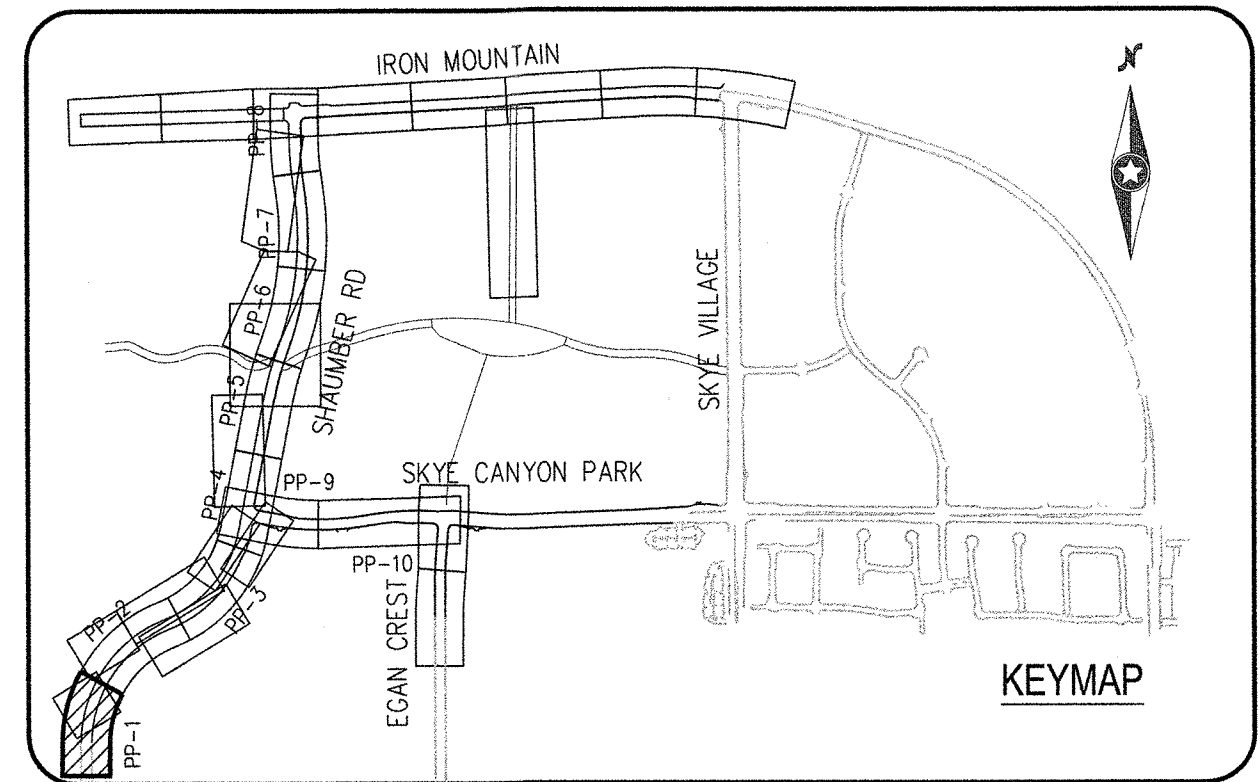




SHAUMBER RD - PLAN VIEW
(PUBLIC)



SHAUMBER RD - PROFILE VIEW
HORIZ: 1" = 30'
VERT: 1" = 6'



0 30 60
SCALE = 1"=30' FEET

CONSTRUCTION NOTES

1. CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
 2. CONSTRUCT "A" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)
 3. CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
 4. CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
 5. CONSTRUCT SIDEWALK RAMP (CASE I) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
 6. CONSTRUCT BUS TURN OUT (USDCCA STD. DWG. NO. 234.1)
 7. REMOVE EXISTING "A" TYPE ISLAND CURB
 - 8.
- (P) PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

STORM DRAIN NOTES

1. CONSTRUCT TYPE "CM2" DROP INLET, SIZE PER PLAN (USDCCA STD. DWG. NO. 412.1 & 421)
- 2.
- 3.
- 4.

NOTES

1. ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/PCA.
3. ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
5. ALL PIPES ARE PUBLICLY MAINTAINED IN PUBLIC ROW.
6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.
7. DIMENSIONS ARE TO BE BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
8. SEE TY-SHEETS FOR TYPICAL SECTIONS.
9. SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

X STORM DRAIN LATERAL # (SEE LAT SHEETS)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4953 ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT

EMILY M. HOY, P.E. 24680 DATE

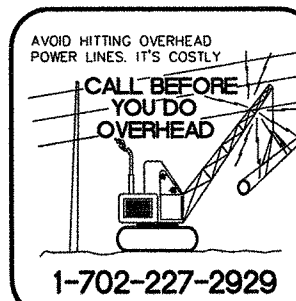
FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED FLOOD ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1750E, DATED SEPTEMBER 27, 2002

NOTE:
PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. ##### FIRST APPROVED DATE:



Westwood

5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
Phone (702) 284-5300
Fax (702) 284-5399
westwoods.com
Westwood Professional Services, Inc.

CENTURY
COMMUNITIES

SHAUMBER ROAD & SKYE CANYON PARK DRIVE
CONSTRUCTION PLAN - SR 22+00 TO 28+00

DATE: 04/12/21

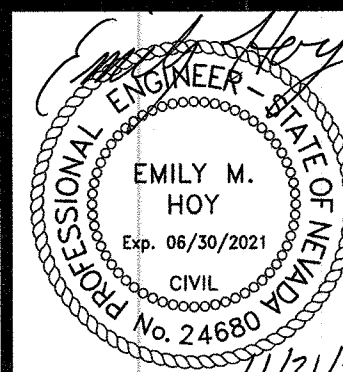
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DESIGNER: LBA

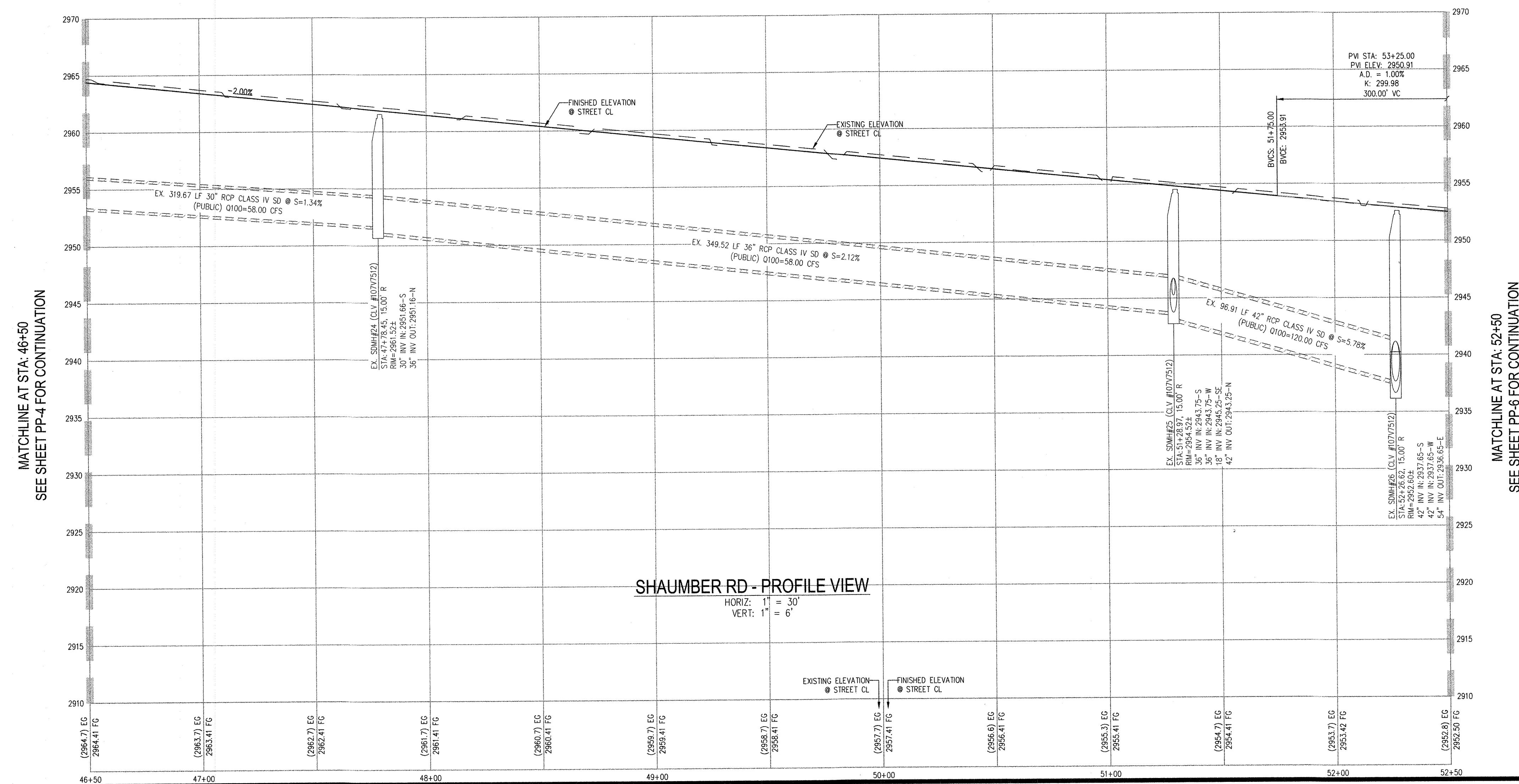
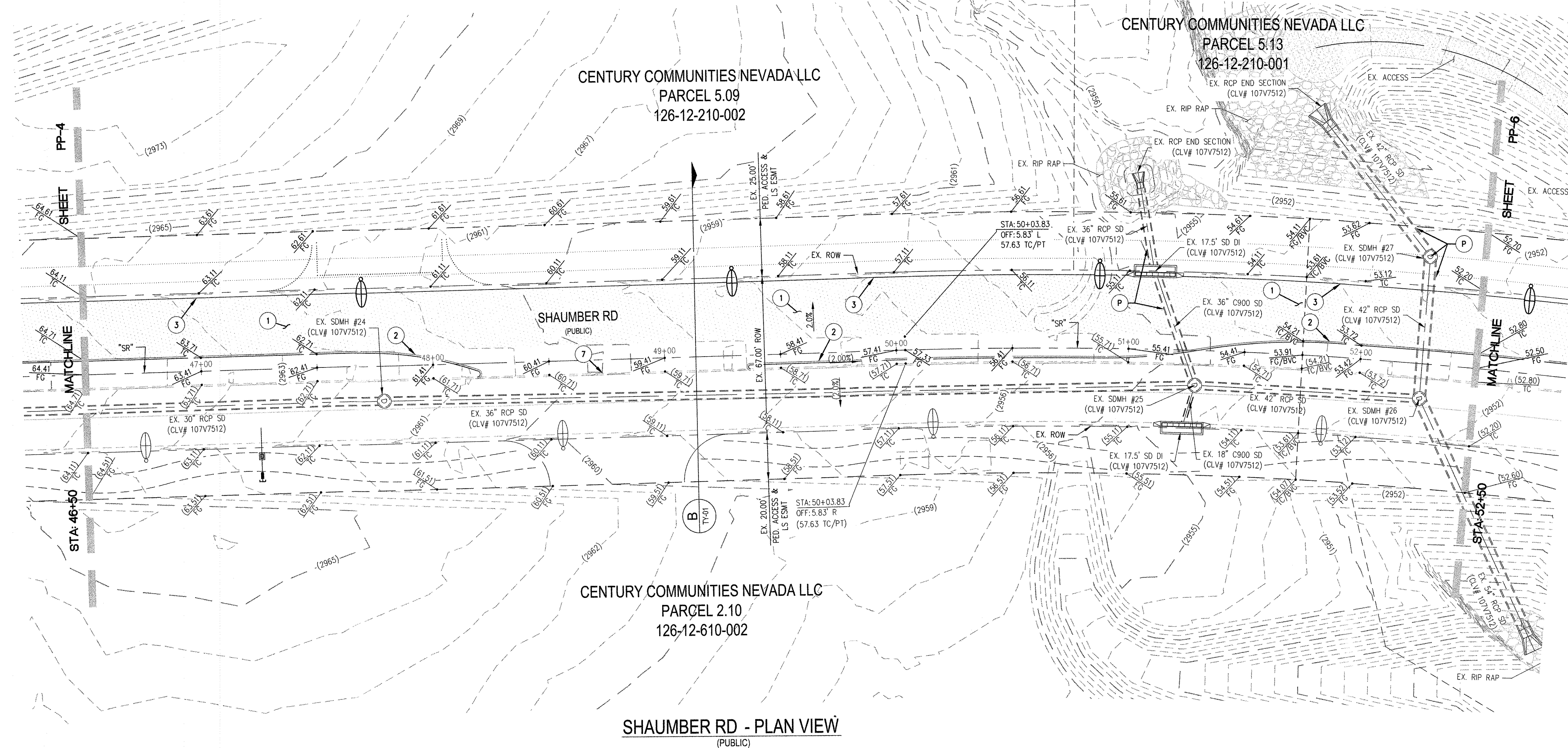
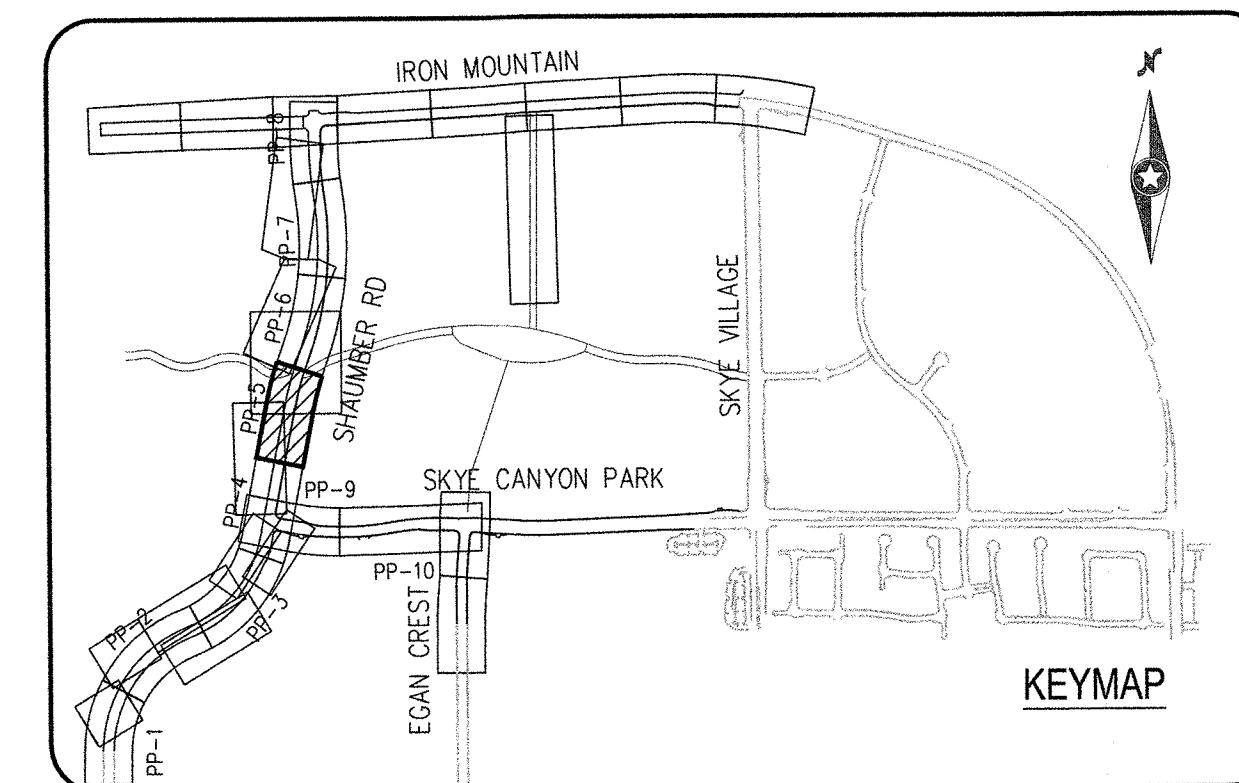
CHECKED: KMB

PROJECT NO.

CEN2001.001



PP-1
SHEET 5 OF 15



CONSTRUCTION NOTES	
1	CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
2	CONSTRUCT "A" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)
3	CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
4	CONSTRUCT SIDEWALK RAMP (CASE B) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
5	CONSTRUCT SIDEWALK RAMP (CASE I) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
6	CONSTRUCT BUS TURN OUT (USDCCA STD. DWG. NO. 234.1)
7	REMOVE EXISTING "A" TYPE ISLAND CURB
8	
P	PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

STORM DRAIN NOTES	
①	CONSTRUCT TYPE "CM2" DROP INLET SIZE PER PLAN (USDOCA STD. DWG. NO. 412.1 & 421)
②	
③	
④	

NOTES

1. ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCP/RCA.
3. ALL DROP INLETS SHALL INCLUDE STORAGE WATER MANAGEMENT STAMP AND DETAIL PER USDOCA STD. DWG. NO. 421.
4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
5. ALL PIPES ARE PUBLICLY MAINTAINED IN PUBLIC ROW.
6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.
7. DIMENSIONS ARE TO BE BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
8. SEE TYPICAL SHEETS FOR TYPICAL SECTIONS.
9. SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:

CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

 STORM DRAIN LATERAL # (SEE LAT SHEETS)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4953 ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT

FLOOD ZONE
THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE 'X' (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE

EMILY M. HOY, P.E. 24680 DATE

NOTE: PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

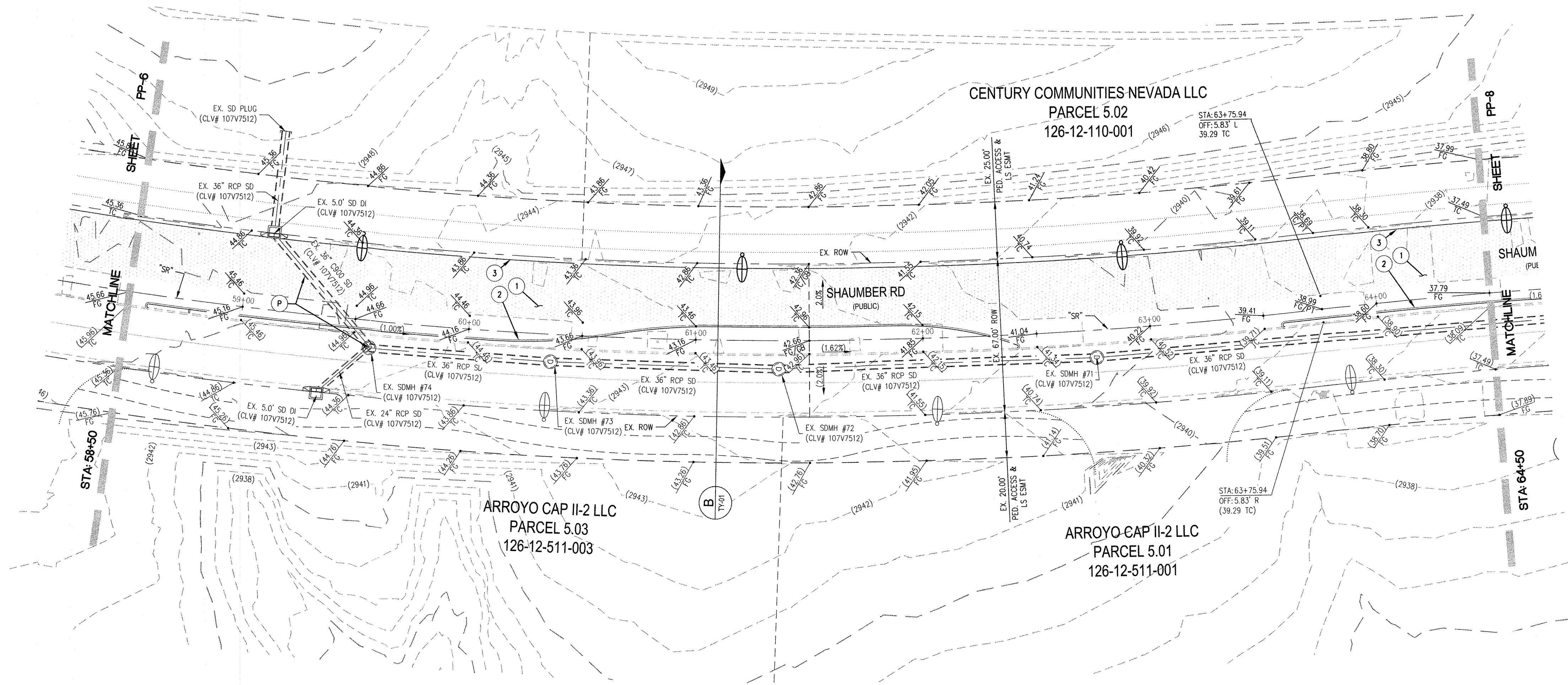
APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

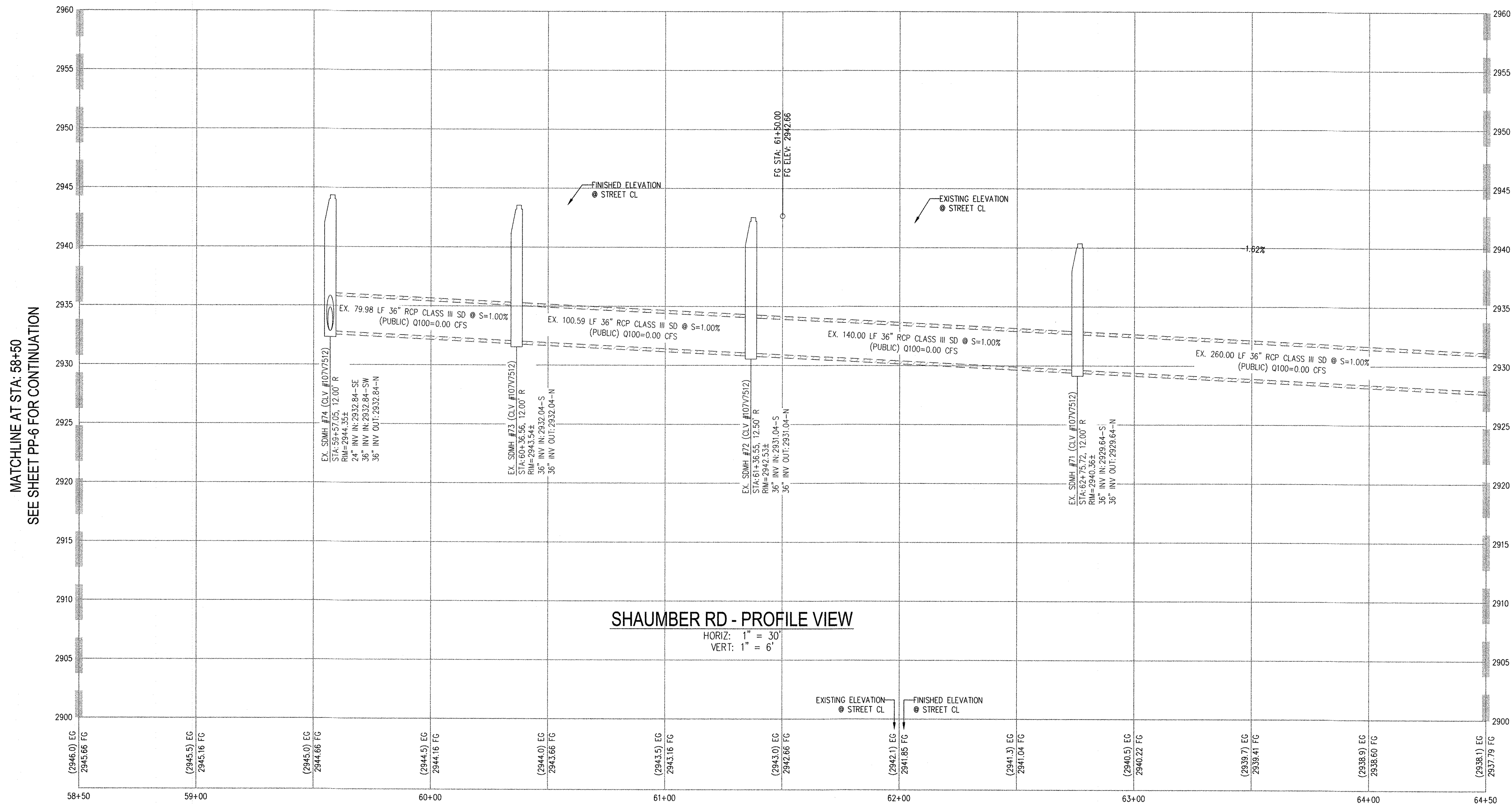
PROJECT NO. #####

FIRST APPROVED DATE: _____

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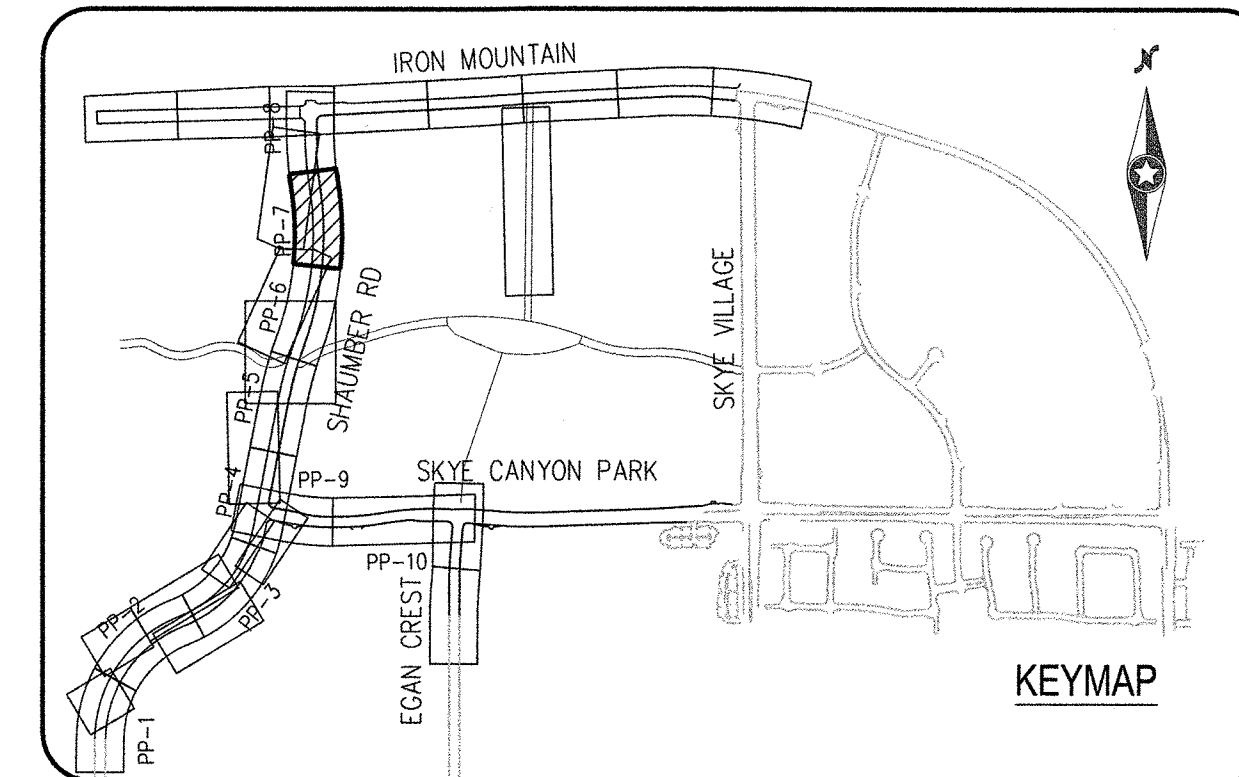
SHAUMBER RD - PLAN VIEW
(PUBLIC)



SHAUMBER RD - PROFILE VIEW

HORIZ: 1" = 30'
VERT: 1" = 6'

MATCHLINE AT STA: 64+50
SEE SHEET PP-8 FOR CONTINUATION



0 30 60
SCALE - 1"=30' FEET

CONSTRUCTION NOTES

1. CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
2. CONSTRUCT "A" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)
3. CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
4. CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
5. CONSTRUCT SIDEWALK RAMP (CASE I) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
6. CONSTRUCT BUS TURN OUT (USDCCA STD. DWG. NO. 234.1)
7. REMOVE EXISTING "A" TYPE ISLAND CURB
8. PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

STORM DRAIN NOTES

1. CONSTRUCT TYPE "CM2" DROP INLET. SIZE PER PLAN (USDCCA STD. DWG. NO. 412.1 & 421)
- 2.
- 3.
- 4.

NOTES

1. ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
3. ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
5. ALL PIPES ARE PUBLICLY MAINTAINED IN PUBLIC ROW.
6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.
7. DIMENSIONS ARE TO BE BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
8. SEE TY-SHEETS FOR TYPICAL SECTIONS.
9. SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLTEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

STORM DRAIN LATERAL # (SEE LAT SHEETS)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY GS-0053 ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT

EMILY M. HOY, P.E. 24680 DATE

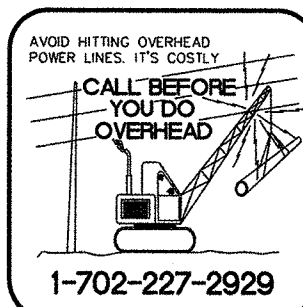
FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1750E, DATED SEPTEMBER 27, 2002

NOTE:
PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

APPROVED FOR CONSTRUCTION

PROJECT NO. #####
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
FIRST APPROVED DATE:



Westwood

5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
Phone (702) 284-5300
Fax (702) 284-5399
westwoodps.com
Westwood Professional Services, Inc.

CENTURY COMMUNITIES

**SHAUMBER ROAD & SKYE CANYON PARK DRIVE
CONSTRUCTION PLAN - SR 58+50 TO 64+50**

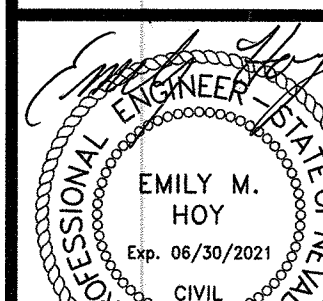
DATE: 04/12/21

DRAFTER: LBA

DESIGNER: LBA

CHECKED: KMB

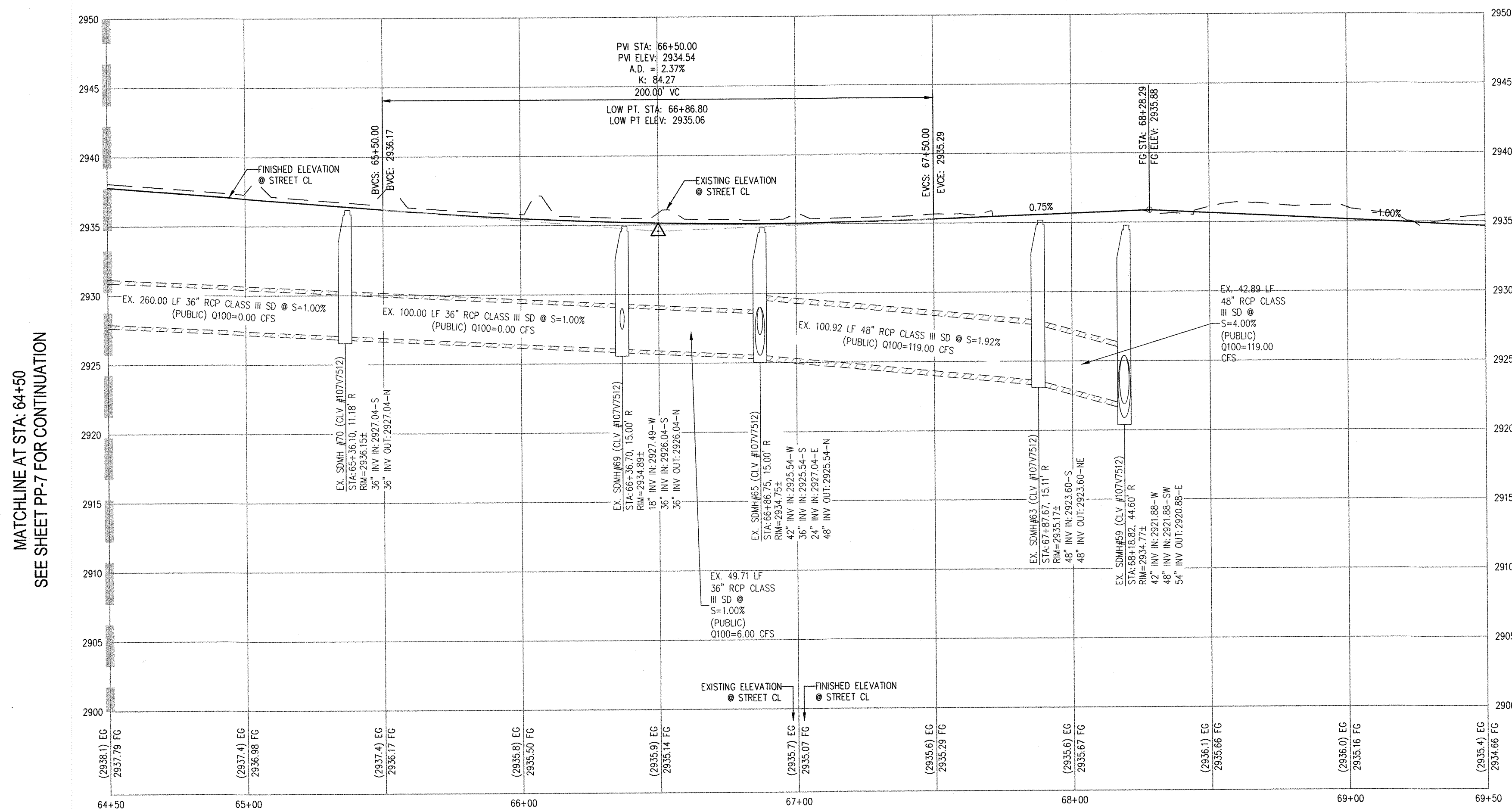
PROJECT NO.
CEN2001.001



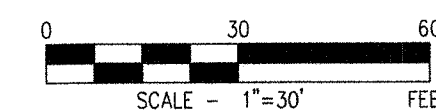
PP-7

SHEET 11 OF 15

FOR CONTINUATION SEE
(IRON MOUNTAIN) PHASE 3BC



HORIZ: 1" = 30'
VERT: 1" = 6'



1	CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
2	CONSTRUCT "A" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)
3	CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
4	CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
5	CONSTRUCT SIDEWALK RAMP (CASE I) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
6	CONSTRUCT BUS TURN OUT (USDCCA STD. DWG. NO. 234.1)
7	REMOVE EXISTING "A" TYPE ISLAND CURB
8	
P	PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

1	CONSTRUCT TYPE "CM2" DROP INLET. SIZE PER PLAN (USDCCA STD. DWG. NO. 412.1 & 42
2	
3	
4	

1. ALL RCP SHALL BE CLASS II UNLESS OTHERWISE SHOWN.
2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
3. ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDOCA STD. DWG. NO. 421.
4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
5. ALL PIPES ARE PUBLICLY MAINTAINED AND IN PUBLIC RIGHT-OF-WAY.
6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.
7. DIMENSIONS ARE TO BE BACK OF CURB. FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
8. SEE TYPICAL SECTIONS.
9. SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

STORM DRAIN LATERAL # (SEE LAT SHEETS

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNIC. DRAINAGE STUDY DS-4953 ON FILE AT THE OF LAS VEGAS FOR THE SUBJECT PROJECT

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE 'X' (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1750E, DATED SEPTEMBER 27, 2002

NOTE: PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. ##### FIRST APPROVED DATE: _____



Phone (702) 284-5300
Fax (702) 284-5399
5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
westwoodps.com
Westwood Professional Services, Inc.

CENTURY
COMMUNITIES

SHAUMBER ROAD & SKYE CANYON PARK DRIVE
CONSTRUCTION PLAN - SR 64+50 TO 69+50

DATE: 04/12/21

DRAFTER: LBA

DESIGNER: LBA

CHECKED: KME

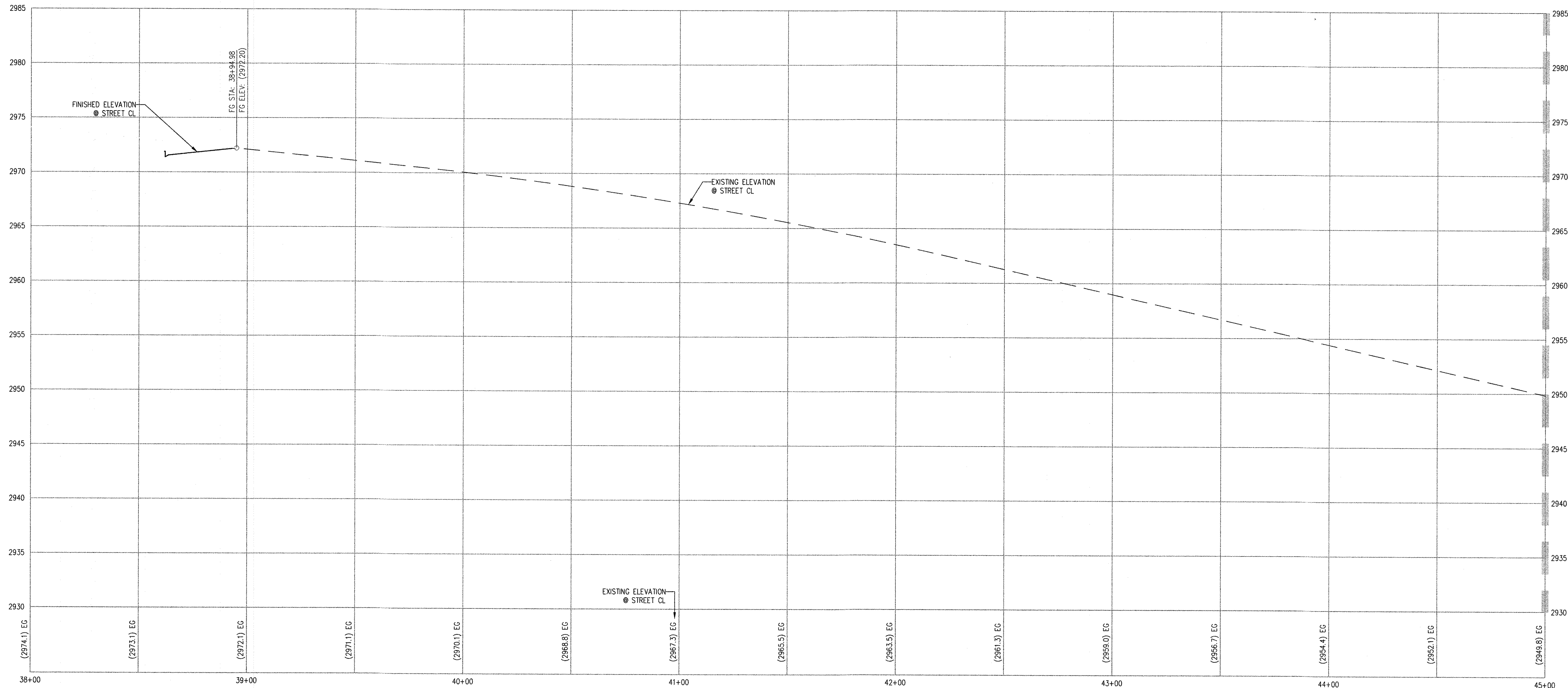
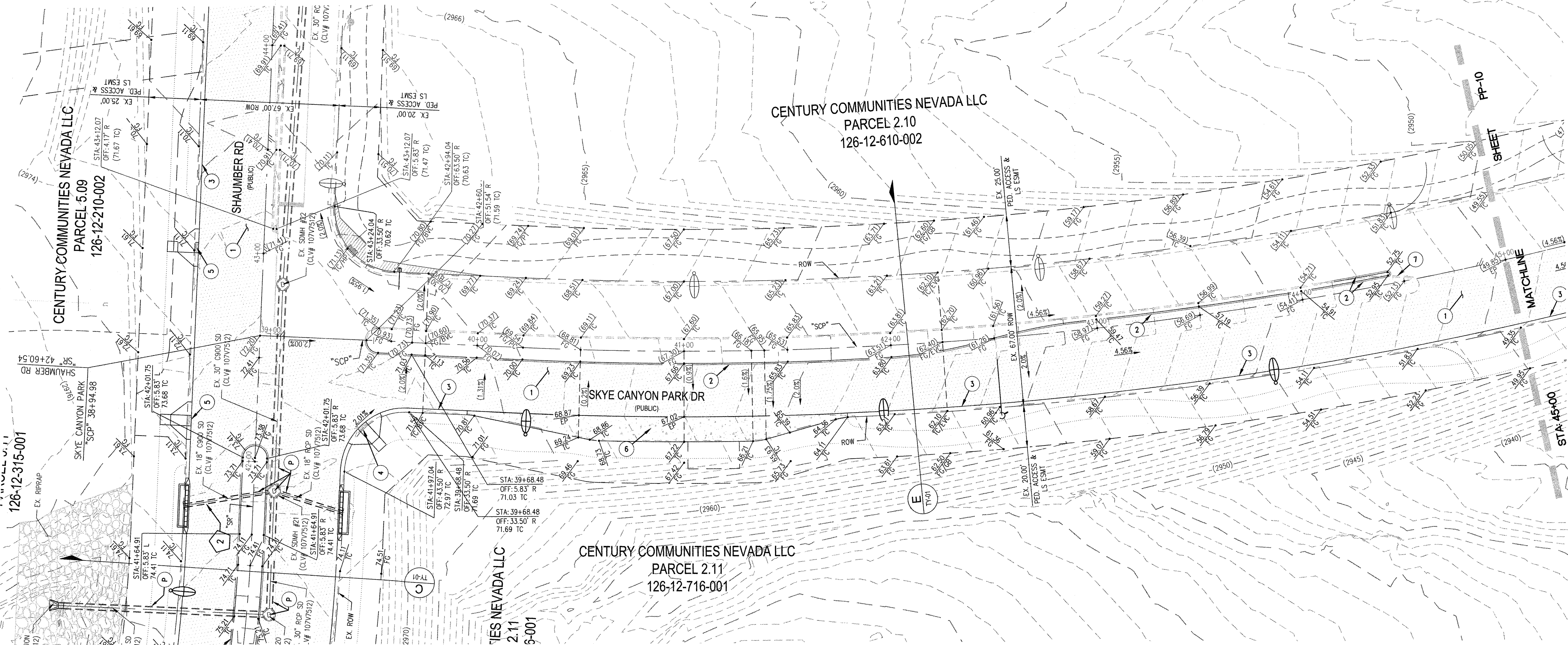
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PP-8

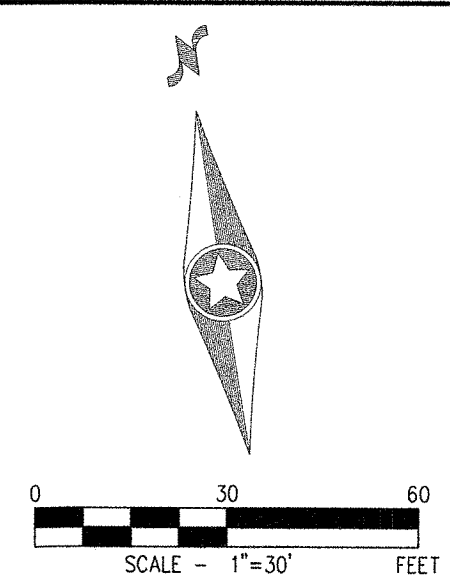
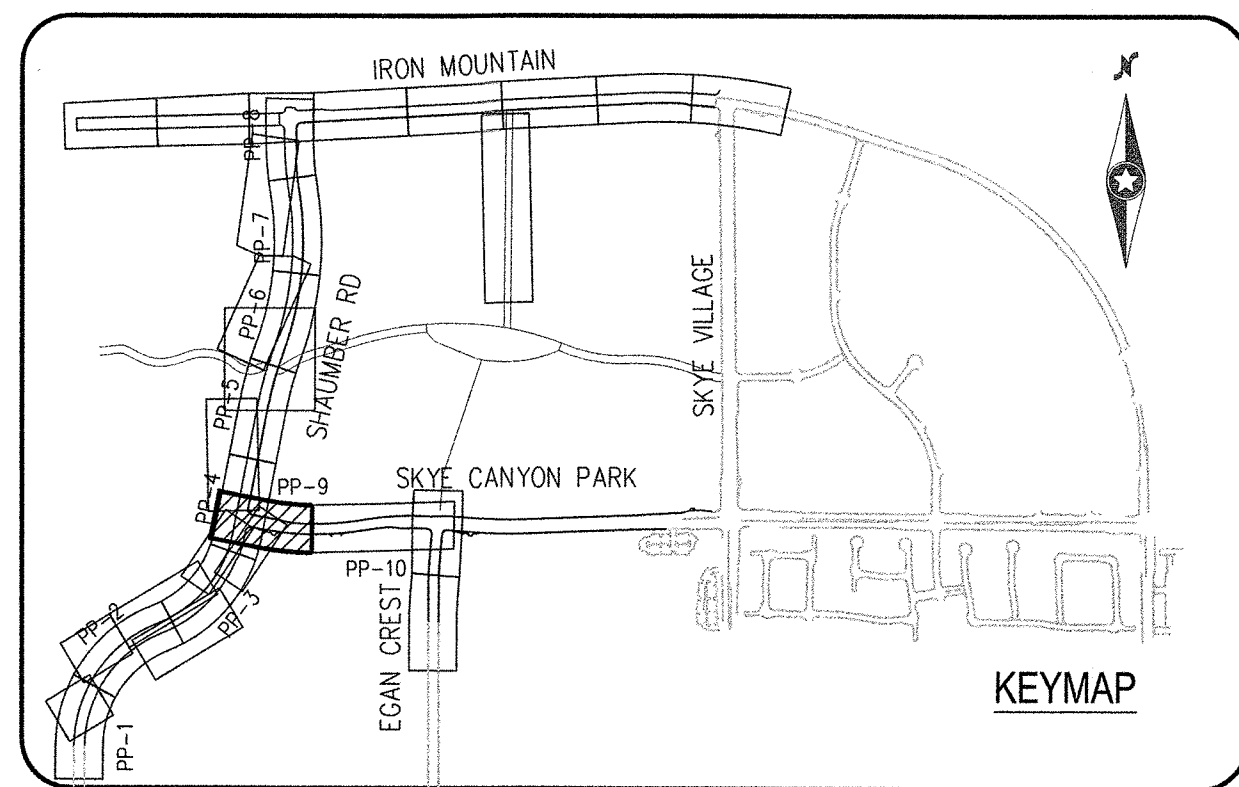
SHEET 12 OF 15

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I:\c2001\001.dwg 3b-shaumber.cad\plan\c2001\001.dwg 4/21/2021 9:57 AM Leland Abad



MATCHLINE AT STA. 45+00
SEE SHEET PP-10 FOR CONTINUATION



CONSTRUCTION NOTES

1. CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
2. CONSTRUCT "A" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)
3. CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
4. CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
5. CONSTRUCT SIDEWALK RAMP (CASE I) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
6. CONSTRUCT BUS TURN OUT (USDCCA STD. DWG. NO. 234.1)
7. REMOVE EXISTING "A" TYPE ISLAND CURB
- 8.
9. PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

STORM DRAIN NOTES

1. CONSTRUCT TYPE "CM2" DROP INLET. SIZE PER PLAN (USDCCA STD. DWG. NO. 412.1 & 421)
- 2.
- 3.
- 4.

NOTES

1. ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
3. ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
5. ALL PIPES ARE PUBLICLY MAINTAINED IN PUBLIC ROW.
6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.
7. DIMENSIONS ARE TO BE BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
8. SEE TY-SHEETS FOR TYPICAL SECTIONS.
9. SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULK,
OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

X STORM DRAIN LATERAL # (SEE LAT SHEETS)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4053 ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT
EMILY M. HOY, P.E. 24680 DATE

FLOOD ZONE
THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1750E, DATED SEPTEMBER 27, 2002

NOTE:
PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

APPROVED FOR CONSTRUCTION

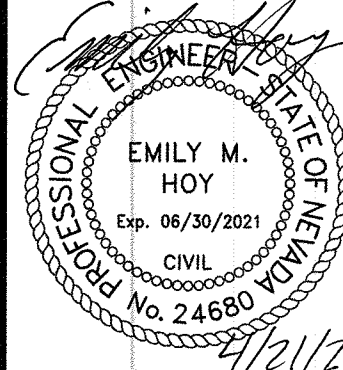
PROJECT NO. ##### LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
FIRST APPROVED DATE: _____



Westwood
Phone (702) 284-5300
Fax (702) 284-5399
5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
westwoodps.com
Westwood Professional Services, Inc.

CENTURY COMMUNITIES
SHAUMBER ROAD & SKYE CANYON PARK DRIVE
CONSTRUCTION PLAN - SCP 38+00 TO 45+00

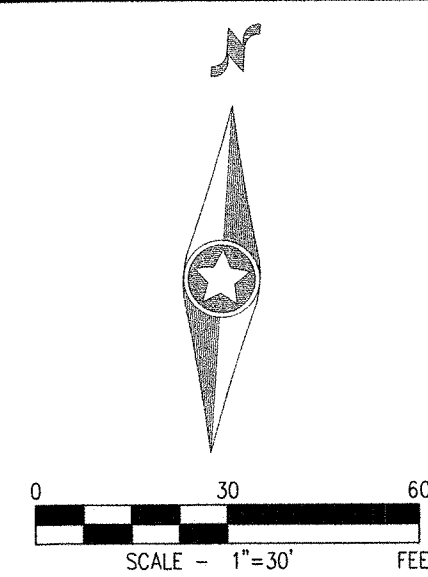
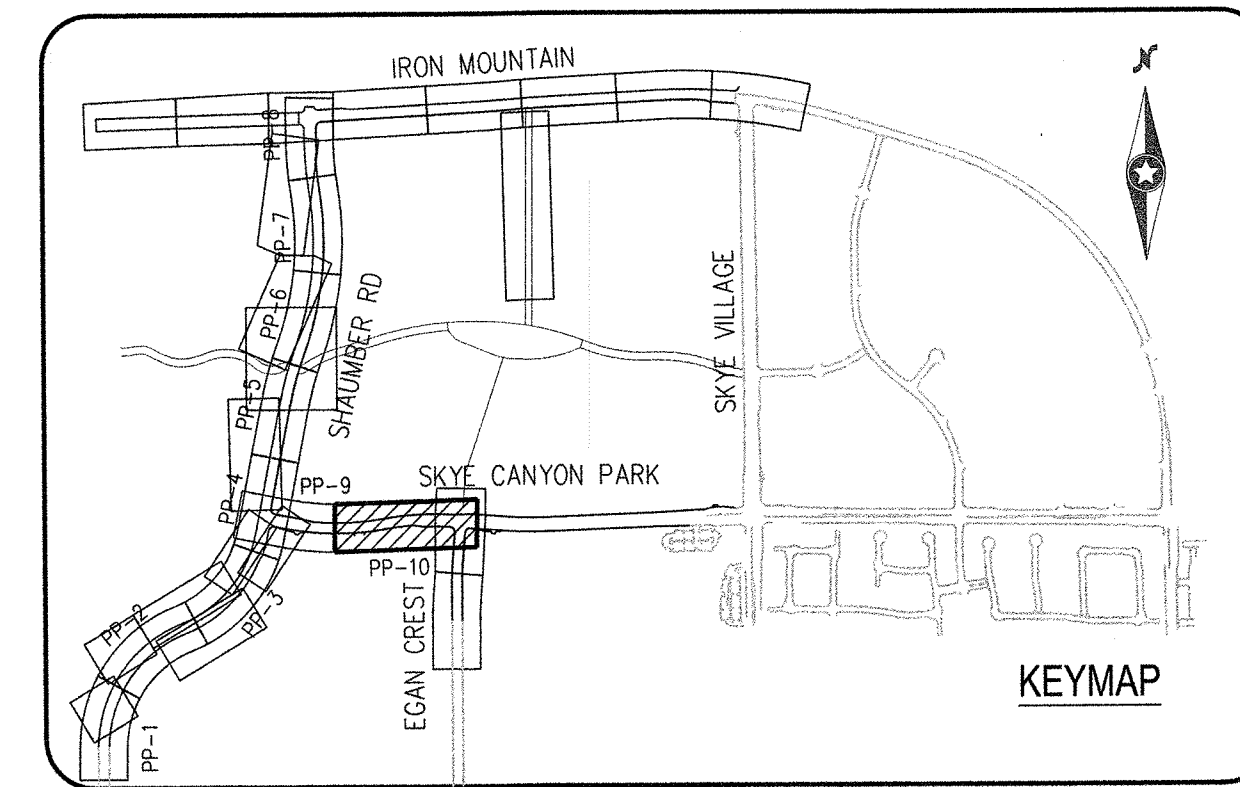
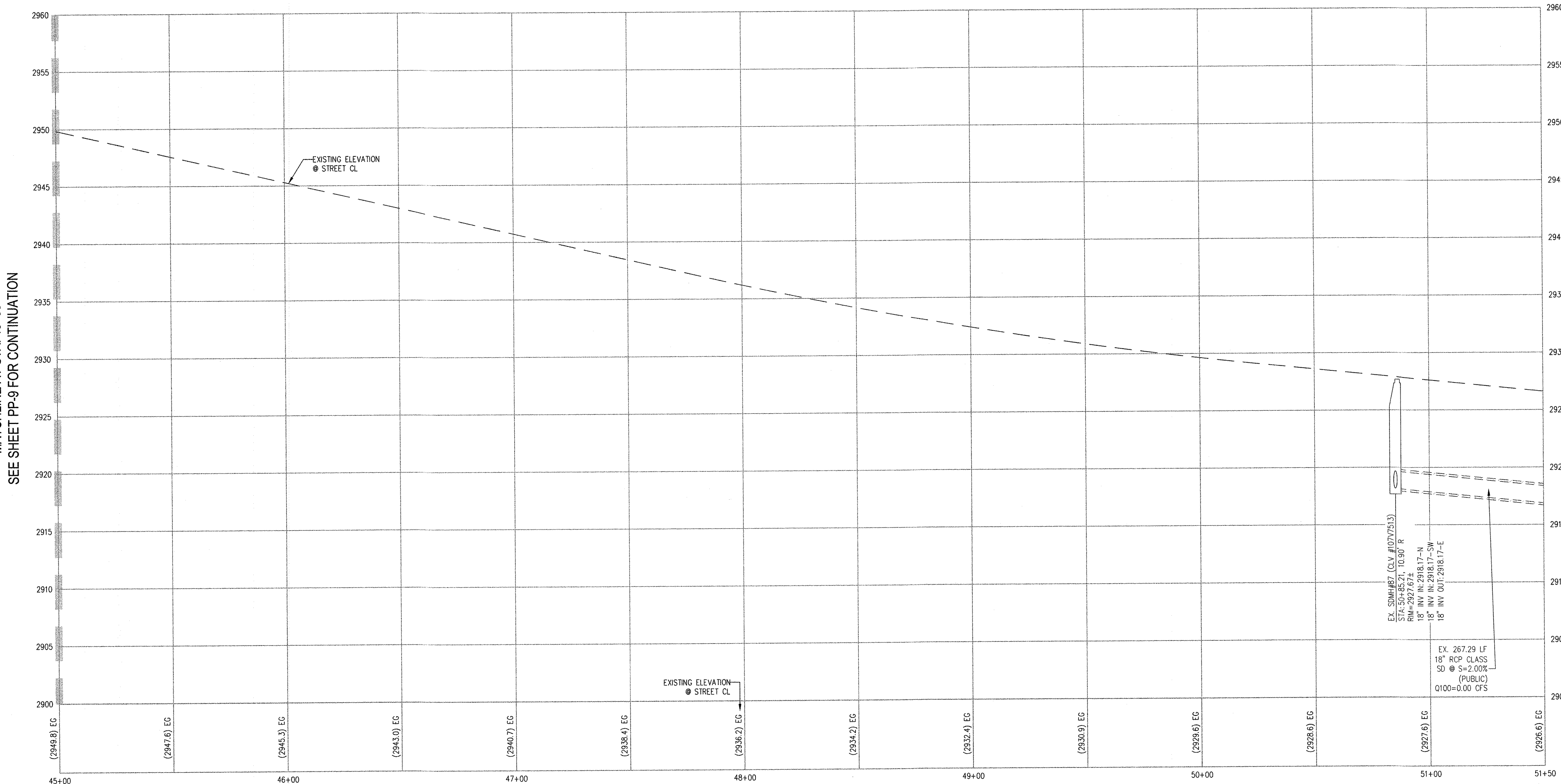
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DRAFTER: LBA
DESIGNER: LBA
CHECKED: KMB
PROJECT NO.
CEN2001.001



PP-9
SHEET 13 OF 15

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MATCHLINE AT STA. 45+00
SEE SHEET PP-9 FOR CONTINUATION



CONSTRUCTION NOTES

1. CONSTRUCT 1" UTACS OVER 4.5" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY SHEETS)
2. CONSTRUCT "A" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)
3. CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
4. CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
5. CONSTRUCT SIDEWALK RAMP (CASE I) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235)
6. CONSTRUCT BUS TURN OUT (USDCCA STD. DWG. NO. 234.1)
7. REMOVE EXISTING "A" TYPE ISLAND CURB
- 8.
- 9.
- P. PROTECT IN PLACE (VERIFY LOCATION AND ELEVATION OF EX. IMPROVEMENT)

STORM DRAIN NOTES

1. CONSTRUCT TYPE "CM2" DROP INLET. SIZE PER PLAN (USDCCA STD. DWG. NO. 412.1 & 421)
- 2.
- 3.
- 4.

NOTES

1. ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCP/REA.
3. ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
5. ALL PIPES ARE PUBLICLY MAINTAINED IN PUBLIC ROW.
6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.
7. DIMENSIONS ARE TO BE BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
8. SEE TY-SHEETS FOR TYPICAL SECTIONS.
9. SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB,
OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

X STORM DRAIN LATERAL # (SEE LAT SHEETS)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4953 ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT

EMILY M. HOY, P.E. 24680 DATE

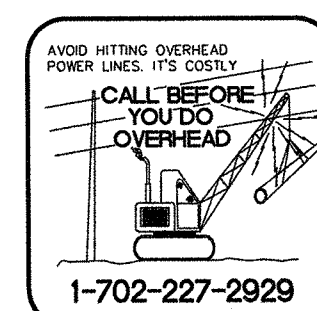
FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1750E, DATED SEPTEMBER 27, 2002

NOTE:
PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. ##### FIRST APPROVED DATE: _____



Westwood

5725 W. Badura Ave.
Suite 100
Las Vegas, NV 89118
Phone (702) 284-5300
Fax (702) 284-5399
westwoodps.com
Westwood Professional Services, Inc.

CENTURY COMMUNITIES

**SHAUMBER ROAD & SKYE CANYON PARK DRIVE
CONSTRUCTION PLAN - SCP 45+00 TO 51+50**

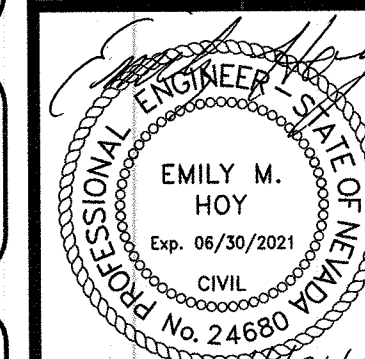
DATE: 04/12/21

DRAFTER: LBA

DESIGNER: LBA

CHECKED: KMB

PROJECT NO.
CEN2001.001



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SHEET 14 OF 15

