

Plotted By: Zito, Jodym Sheet Set: KHA Layout: C3 May 08, 2018 01:31:07pm W:\61153-LAURICH\DWG\IMPROV\DWG\ON-SITE\01-61153-52-C3.dwg
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CONSTRUCTION QUANTITIES

	UNIT	PUBLIC	PRIVATE
1 CONSTRUCT "L" TYPE CURB & GUTTER PER CCAUSD NO. 216	LF	-	939
2 CONSTRUCT "A" TYPE CURB PER CCAUSD NO. 219	LF	-	5,702
3 CONSTRUCT 4" SIDEWALK PER CCAUSD NO. 234	SF	-	19,899
4 CONSTRUCT STANDARD AC PAVEMENT PER SOILS REPORT BY WESTERN TECHNOLOGIES INC. SEE DETAIL "1" ON SHEET D3	SY	-	11,366
5 CONSTRUCT HEAVY AC PAVEMENT PER SOILS REPORT BY WESTERN TECHNOLOGIES INC. SEE DETAIL "2" ON SHEET D3	SY	-	12,045
6 CONSTRUCT PCC PAVEMENT PER PER SOILS REPORT BY WESTERN TECHNOLOGIES INC. DETAIL "3" ON SHEET D3	SF	-	2,547
7 CONSTRUCT PIPE PENETRATION PER DETAIL "4" ON SHEET D3	LF	1	-
8 CONSTRUCT TRASH ENCLOSURE PER SEPARATE ARCHITECTURAL PLANS & DETAILS (BY OTHERS)	EA	-	8
9 CONSTRUCT 0" CURB	LF	-	646
10 TRANSITION FROM 6" CURB TO 0" CURB PER DETAIL "5" ON SHEET D3	LF	-	270
11 CONSTRUCT ON-SITE ADA RAMP CASE I PER DETAIL "6" ON SHEET D3	EA	-	1
12 CONSTRUCT 3.0' WIDE VALLEY GUTTER PER DETAIL "16" ON SHEET D3	EA	-	450
13 CONSTRUCT ON-SITE ADA RAMP CASE II WITH HANDRAILS WHERE APPLICABLE PER DETAIL "7" ON SHEET D3	EA	-	15
15 INSTALL 18" RCP CLASS III STORM DRAIN PIPE	LF	-	527
16 INSTALL TRENCH DRAIN PER SEPARATE PLANS AND PERMIT. SEE GROCERY PLANS FOR DETAILS	LF	-	36
17 INSTALL 48" TYPE II MANHOLE PER CCAUSD NO. 405.2	EA	-	2
18 EXPOSED BUILDING FOOTING PER SEPARATE STRUCTURAL PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)	LF	-	737
19 INSTALL 48"x48" DROP INLET PER JENSEN PRECAST NO D4848 OR APPROVED EQUIVALENT, SEE DETAIL 9 ON SHEET D3	EA	-	4
20 CONSTRUCT CONCRETE RAISED TRUCK LOADING DOCK WITH RETAINING WALLS. DESIGN AND PERMITS BY OTHERS	LF	-	-
21 CONSTRUCT 4.5' MAX RETAINING WALL PER ARCH PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)	LF	-	994
22 CONSTRUCT 6' MAX RETAINING WALL PER ARCH PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)	LF	-	1,418
23 INSTALL RINKER STORMCEPTOR (STC 450) WITH LID PER DETAIL "10" ON SHEET D2 AND MANUFACTURERS SPECIFICATIONS	EA	-	2
24 INSTALL ROCK LINED SWALE R/R R/W (C&G=, T=12") PER DETAIL "11" ON SHEET D3	SF	-	90
25 CONSTRUCT 2.0' WIDE CURB OPENING PER DETAIL "12" ON SHEET D3	EA	-	3
26 CONSTRUCT BLOCK WALL OPENING PER DETAIL "13" ON SHEET D3	EA	-	1
27 CONSTRUCT TERRACE PER ARCH PLANS & DETAILS BY OTHERS	EA	-	-
28 INSTALL 2.0' CONCRETE FLUME PER DETAIL "14" ON SHEET D3	EA	-	3
29 CONSTRUCT 2.0' HIGH SOLID GROUTED SCREEN WALL PER SNBORS B-100-1 OR SEPARATE STRUCTURAL PLANS BY OTHERS	LF	-	301
30 CONSTRUCT 6" BERM	LF	-	390
31 CONSTRUCT ON-SITE ADA RAMP CASE III PER DETAIL "15" ON SHEET D3	EA	-	1
32 BUILDING WALL TO RETAIN PER SEPARATE STRUCTURAL PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)	LF	-	39
33 CONSTRUCT 42" HANDRAIL - SEE ARCH PLANS FOR DETAILS	LF	-	46
34 CONSTRUCT PRECAST BUMPER BLOCK PER CCAUSD DWG NO. 238	EA	-	37
35 INSTALL ROOF DRAINS TO SPILL TO GRADE WITH SPLASHBLOCK PER GROCERY ARCH PLANS	EA	-	7
36 INSTALL STAIRS PER PLANS BY ARCH	EA	-	6
37 INSTALL 18" RCP THROUGH RETAINING WALL PER DETAILS BY OTHERS	EA	-	1
38 CONSTRUCT 6' SCREEN WALL PER ARCH PLANS & DETAILS BY OTHERS	LF	-	278
39 SAWCUT & MATCH EXISTING	LF	271	-
40 CONSTRUCT HEAVY ASPHALT FOR INYO AVE	LF	6,625	-
41 CONSTRUCT 4.0' (8" CMU OR EQUIVALENT) HIGH SCREEN WALL PER SNBORS B-100-1 OR SEPARATE STRUCTURAL PLANS BY OTHERS	LF	-	331
42 CONSTRUCT MODIFIED ROLL CURB #1 PER DETAIL "16" ON SHEET G0	LF	-	36
43 CONSTRUCT MODIFIED ROLL CURB #2 PER DETAIL "17" ON SHEET G0	LF	-	30
44 TRANSITION FROM "L" CURB TO ROLL CURB #1 PER DETAIL "18" ON SHEET G0	LF	-	50
45 TRANSITION FROM "A" CURB TO ROLL CURB #2 PER DETAIL "19" ON SHEET G0	LF	-	30
46 INSTALL RINKER STORMCEPTOR (STC 9000) WITH LID PER DETAIL "20" SHEET C3 & MANUFACTURERS SPECIFICATIONS	EA	-	-

WATER QUANTITIES

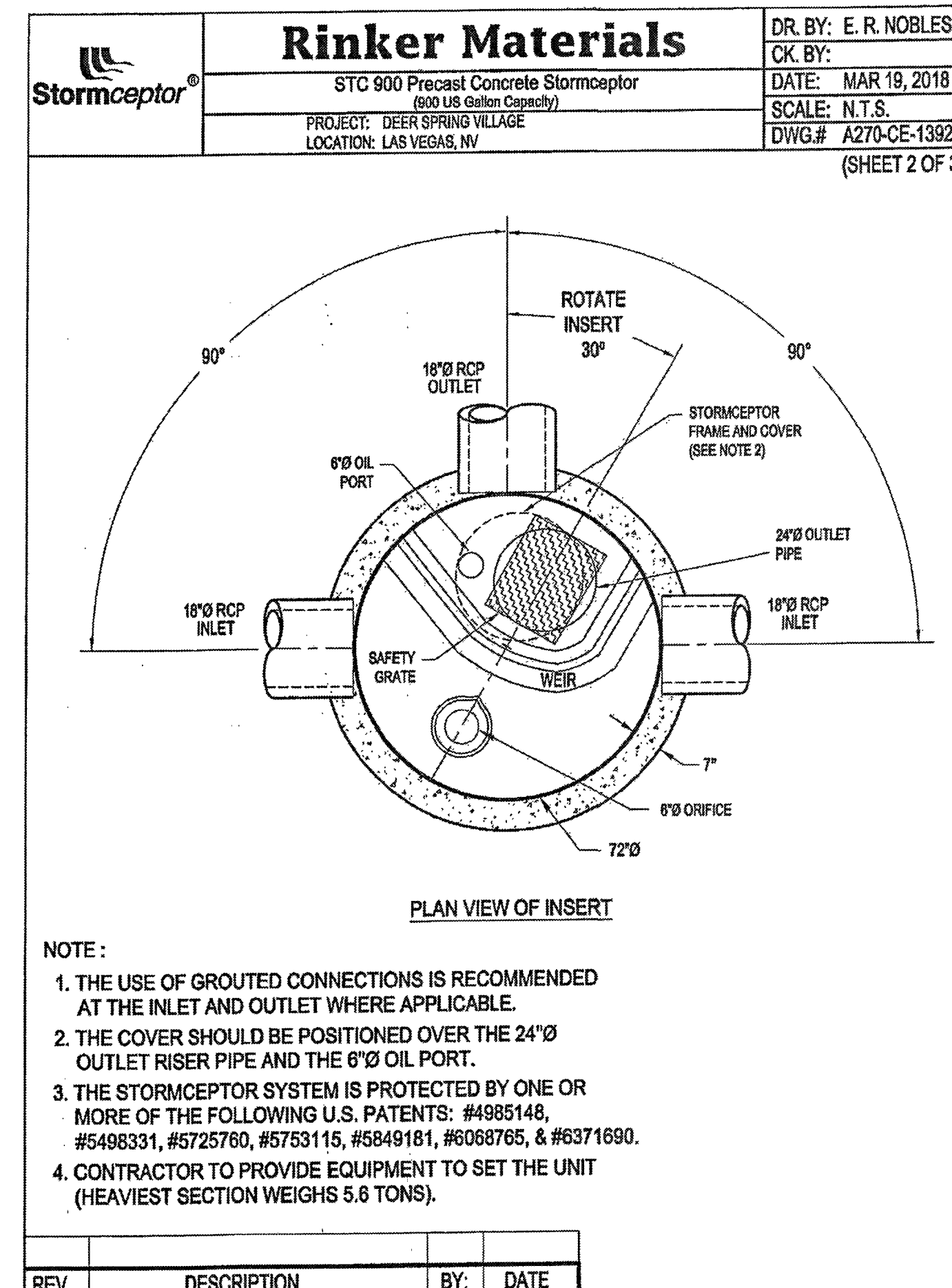
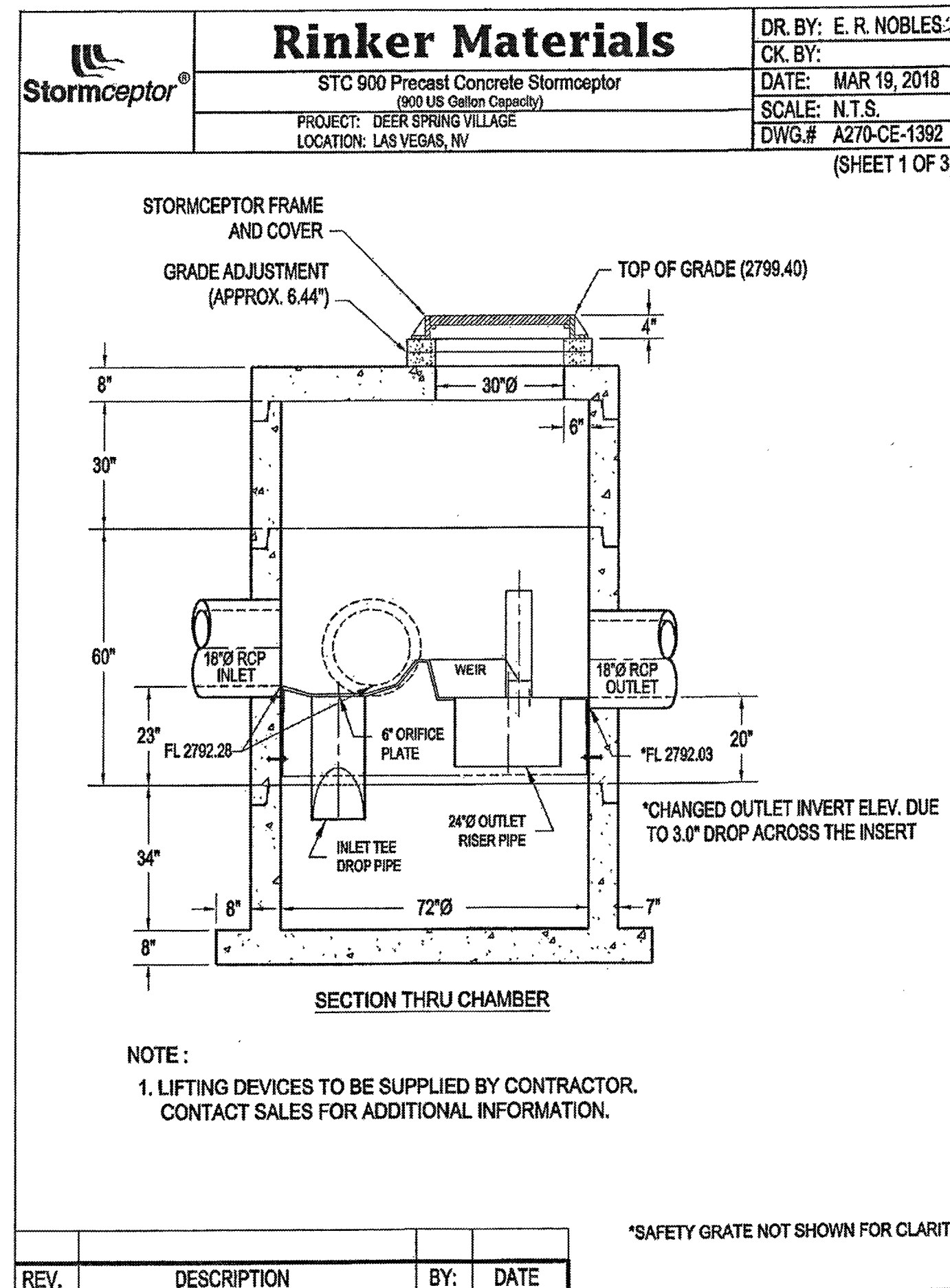
	UNIT	PUBLIC	PRIVATE
1 INSTALL 2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE NO. 4	EA	1	-
2 INSTALL 2" METER PER UDACS PLATE NO. 4	EA	1	-
3 INSTALL 2" RPPA PER UDACS PLATE NO. 8	EA	1	-
4 INSTALL 2" COPPER WATER LINE (PUBLIC)	LF	23	-
5 INSTALL 2" BRASS WATER LINE (PUBLIC)	LF	10	-
6 INSTALL 1.5" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE NO. 4	EA	6	-
7 INSTALL 1.5" METER PER UDACS PLATE NO. 4	EA	6	-
8 INSTALL 1.5" RPPA PER UDACS PLATE NO. 8	LF	6	-
9 INSTALL 1.5" COPPER WATER LINE (PUBLIC)	LF	93	-
10 INSTALL 1.5" BRASS WATER LINE (PUBLIC)	LF	21	-
11 INSTALL 1" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE NO. 4	EA	1	-
12 INSTALL 1" METER PER UDACS PLATE NO. 4	EA	1	-
13 INSTALL 1" RPPA PER UDACS PLATE NO. 8	EA	1	-
14 INSTALL 1" COPPER WATER LINE (PUBLIC)	LF	13	-
15 INSTALL 1" BRASS WATER LINE (PUBLIC)	LF	6	-
16 INSTALL 10" RPPA PER UDACS PLATE NO. 59	EA	2	-
17 INSTALL 8" PVC FIRE WATER LINE (PRIVATE)	LF	-	1,839
18 INSTALL 6" PVC FIRE WATER LINE (PRIVATE)	LF	-	698
19 INSTALL 2" PVC DOMESTIC WATER LINE (PRIVATE)	LF	-	717
20 INSTALL 1.5" DOMESTIC WATER LINE (PRIVATE)	LF	-	1,520
21 INSTALL 1.5" PVC IRRIGATION WATER LINE	LF	-	2
22 INSTALL 1" DOMESTIC WATER LINE (PRIVATE)	LF	-	111
23 INSTALL 90° BEND SAME SIZE AS LINE PER UDACS PLATE 31	EA	-	21
24 INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE 31	EA	-	3
25 1.5"x1.5" REDUCER PER UDACS PLATE NO. 30	EA	-	1
26 INSTALL FIRE HYDRANT PER UDACS PLATE NO. 40	EA	-	7
27 INSTALL GATE VALVE SAME SIZE AS LINE PER UDACS PLATES NO. 30 & 39	EA	-	7
28 INSTALL 10"x8" REDUCER WITH THRUST BLOCK PER UDACS PLATE NO. 30	EA	-	2
29 INSTALL 8"x6" REDUCER WITH THRUST BLOCK PER UDACS PLATE NO. 30	EA	-	1
30 INSTALL 8"x8" TEE PER UDACS PLATE NO. 31	EA	-	2
31 INSTALL 8"x6" TEE PER UDACS PLATE NO. 31	EA	-	11
32 INSTALL 2"x2" TEE	EA	-	1
33 STUB & CAP FOR IRRIGATION	EA	-	1
34 STUB & CAP -SEE PLUMBING PLANS FOR CONTINUATION	EA	-	6
35 INSTALL 10" PVC FIRE WATER LINE (PUBLIC)	LF	9	-
36 INSTALL 3" PVC DOMESTIC WATER LINE (PRIVATE)	LF	-	210
37 REMOVE CAP & CONNECT	EA	1	-

SEWER QUANTITIES

	UNIT	PUBLIC	PRIVATE
1 CONTRACTOR TO VERIFY INVERT OF EXISTING SEWER MAIN PRIOR TO COMMENCING CONSTRUCTION	EA	1	-
2 INSTALL 48" DIA. SANITARY SEWER MANHOLE PER DCSWCS SD-1A, SD-5 & SD-4	EA	1	3
3 INSTALL 8" PVC (SDR-35 SEWER MAIN PER DCSWCS SD-16 & SD-17	LF	462	822
4 INSTALL 6" PVC SDR-35 SEWER LATERAL PER SD-22	LF	-	1,164
5 INSTALL 6" CLEAN OUT PER SD-26 (TRAFFIC RATED LID)	EA	-	11
6 STUP & CAP - SEE PLUMBING PLANS FOR CONTINUATION	EA	-	9
7 INSTALL WYE & 45° BEND PER SD-22	EA	-	10
8 INSTALL 72" DIA. SANITARY SEWER MANHOLE PER DCSWCS SD-1A, SD-5 & SD-4 WITH 24" SINGLE LID	EA	1	-

ON-SITE SIGNAGE QUANTITIES

	UNIT	PUBLIC	PRIVATE
1 INSTALL "STOP SIGN" R-1	EA	4	-
2 INSTALL BLUE REFLECTIVE PAVEMENT MARKER IN THE FIRE LANE ADJACENT TO FIRE HYDRANT	EA	-	9
3 PAINT CURB RED & STENCIL IN WHITE PAINT "FIRE LANE - NO PARKING"	LF	-	2,003
4 INSTALL ENTRANCE WARNING SIGN PER DETAIL ON H SHEETS (OR EQUIVALENT)	EA	-	4
5 INSTALL ADA SIGN PER DETAIL THIS SHEET (OR EQUIVALENT)	EA	-	13
6 INSTALL FIRE LANE SIGNS PER CLV STANDARDS, DETAIL ON H SHEETS	EA	-	20



NOTE:

1. THE USE OF GROUTED CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE 24" OUTLET RISER PIPE AND THE 6" ORIFICE PORT.
3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #608765, & #6371690.
4. CONTRACTOR TO PROVIDE EQUIPMENT TO SET THE UNIT (HEAVIEST SECTION WEIGHS 5.6 TONS).

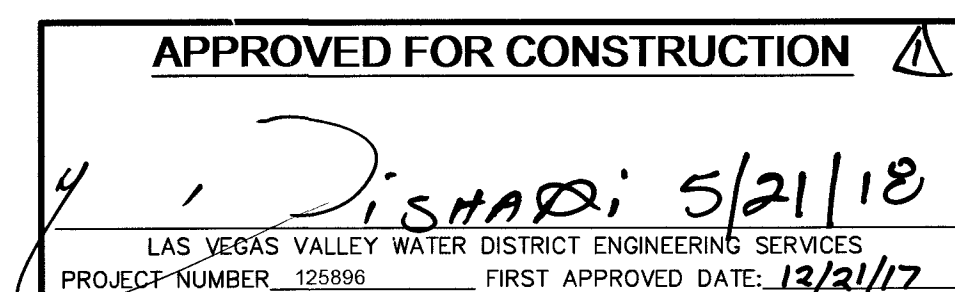
20 C3 STORMCEPTOR DETAIL (900)
N.T.S.

CONTRACTOR NOTE

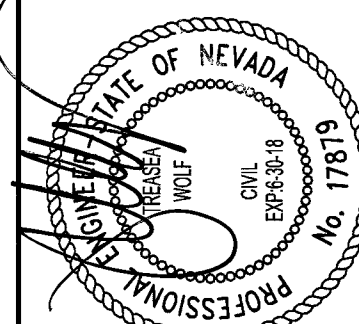
CONTRACTOR SHALL BE RESPONSIBLE AT HIS COST FOR REPAIR OF DAMAGE OF EXISTING IMPROVEMENTS CAUSED BY HIS OPERATIONS.

QUANTITIES NOTE

QUANTITIES PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE TO ASCERTAIN QUANTITIES PER THE DRAWINGS. OWNER DOES NOT ALLOW OR ACCEPT BID PROPOSALS WITH POST CONSTRUCTION FIELD MEASURED QUANTITIES.



Kimley»Horn
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KHA PROJECT	61153.52
DATE	NOV. 9, 2017
SCALE	AS SHOWN
DESIGNED BY	JZ
DRAWN BY	JZ
CHECKED BY	TW

QUANTITIES

DEER SPRINGS VILLAGE
@ SEC DEER SPRINGS & HUALAPAI

3 OF 19 SHEETS

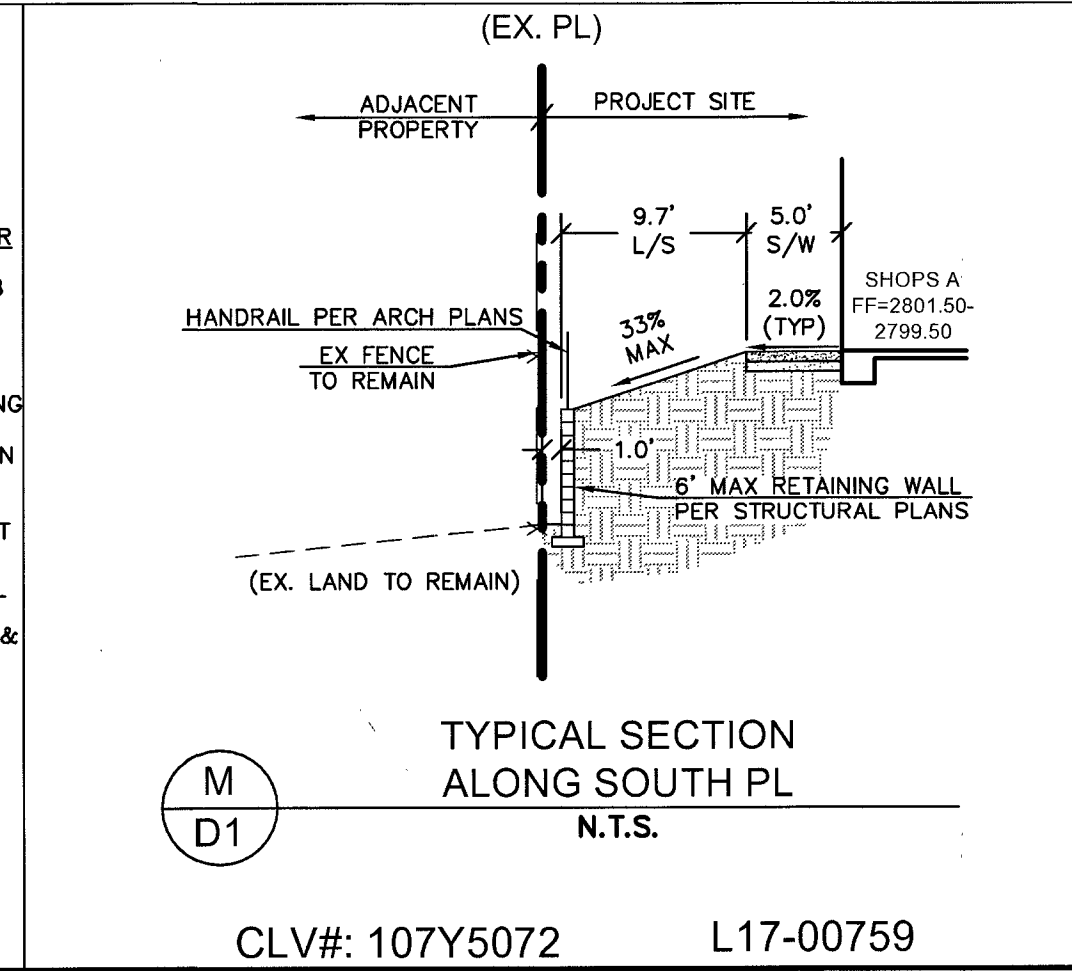
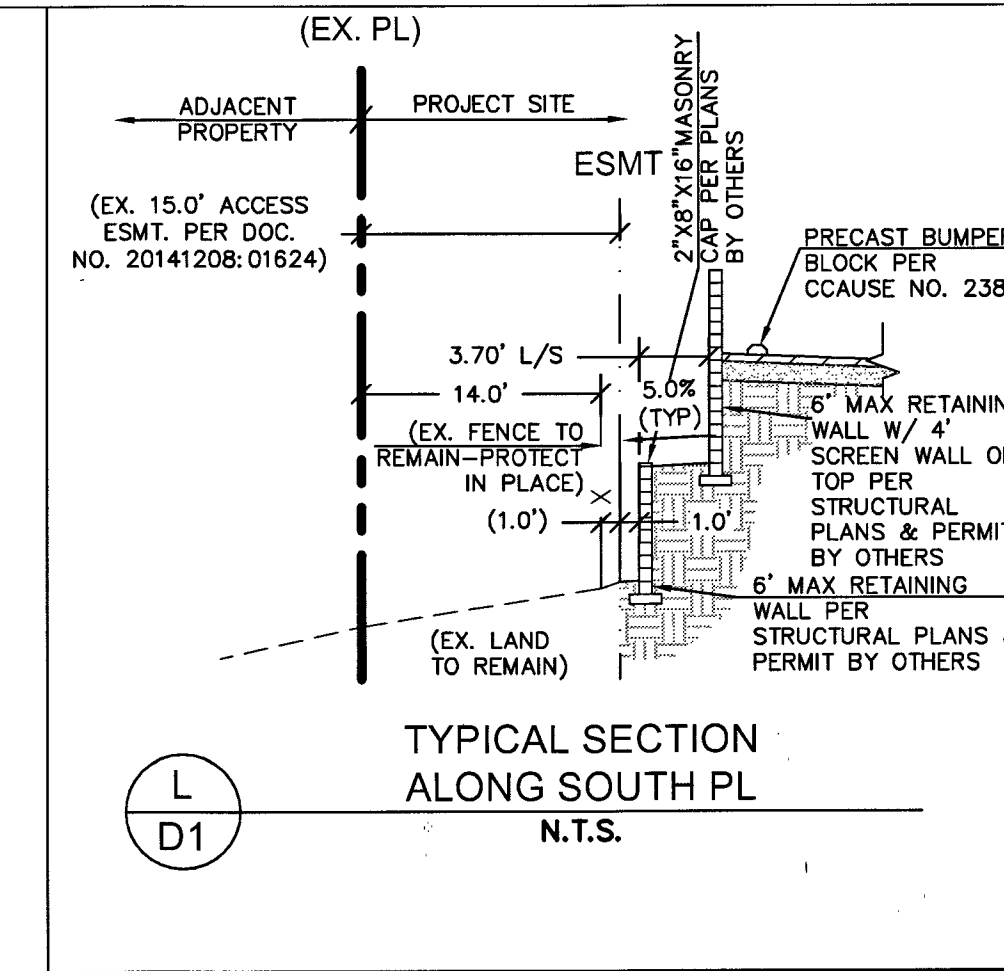
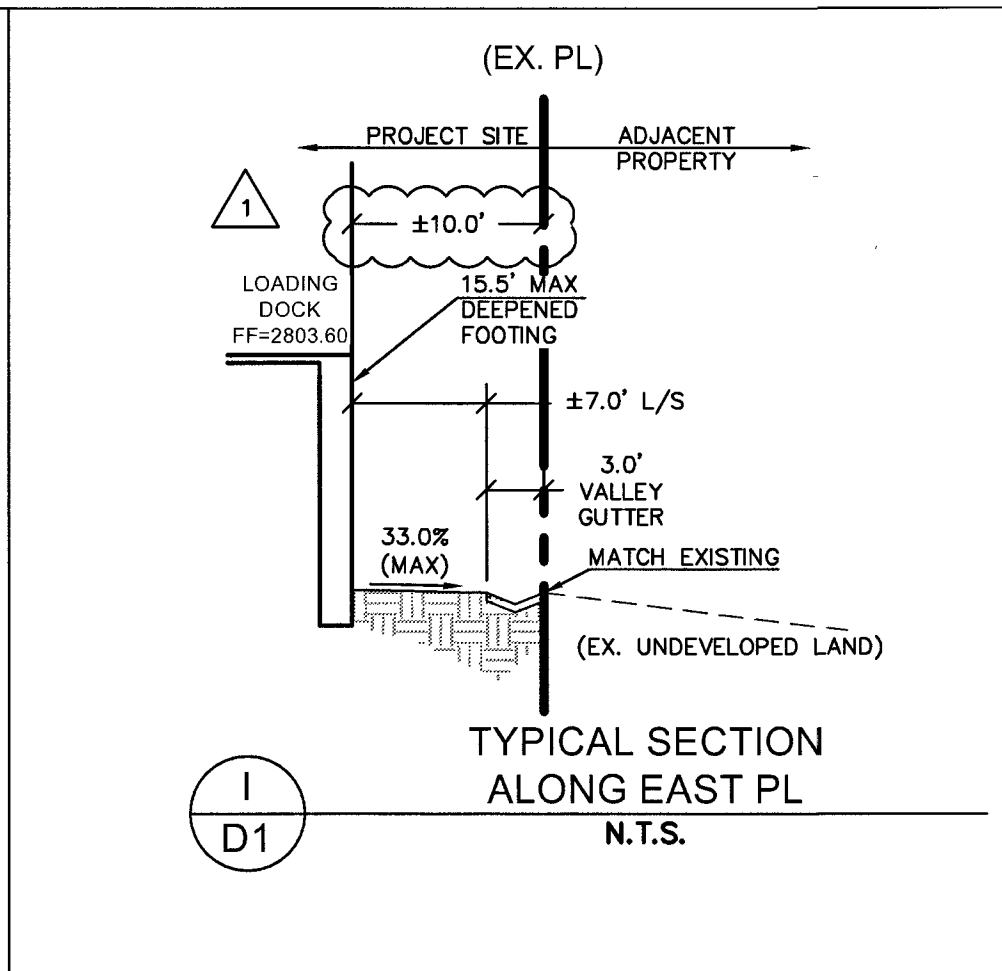
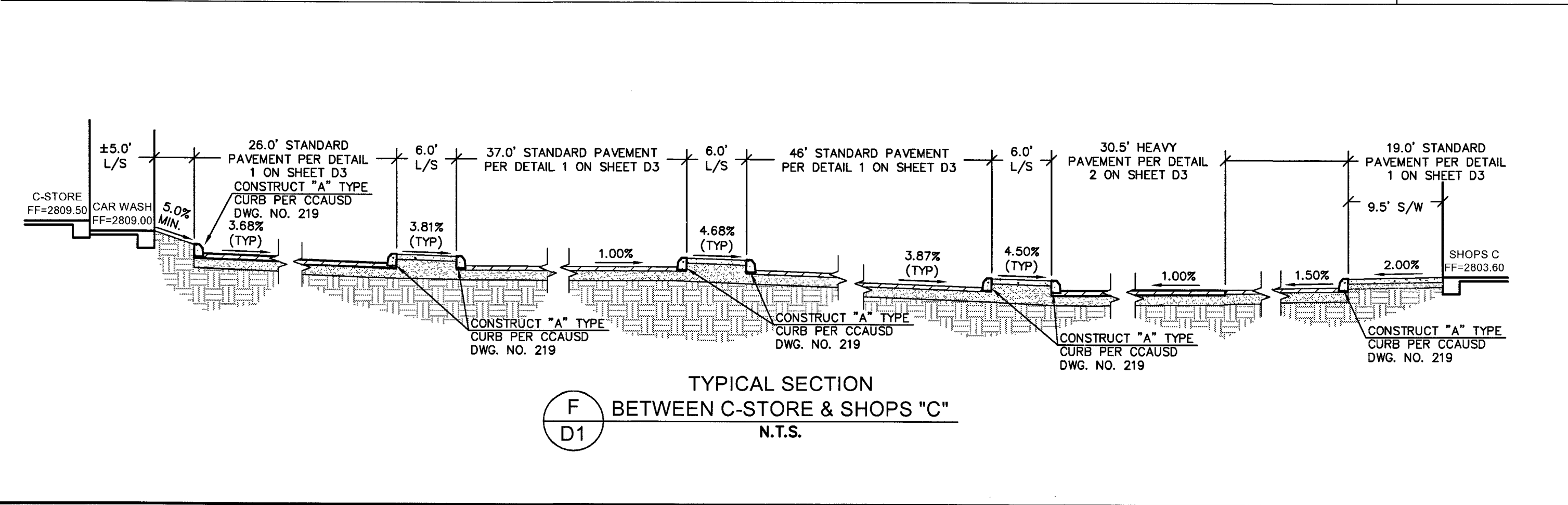
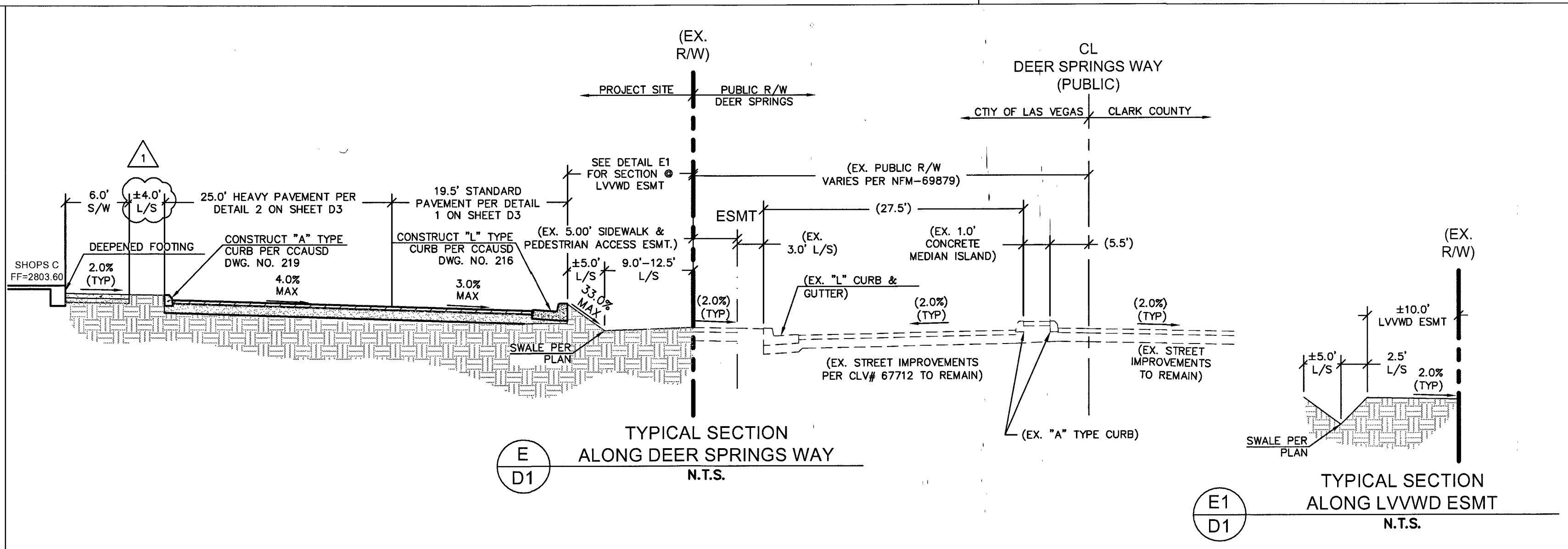
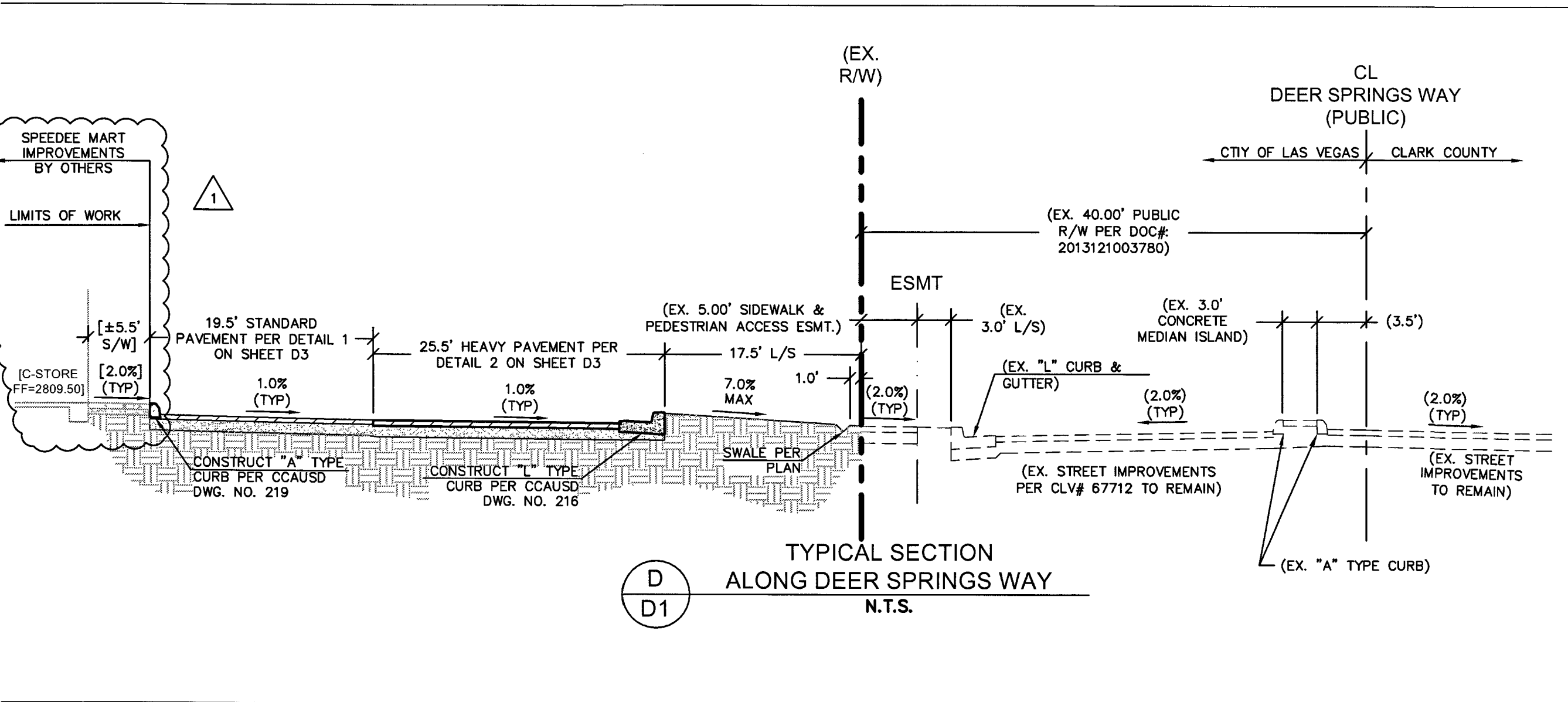
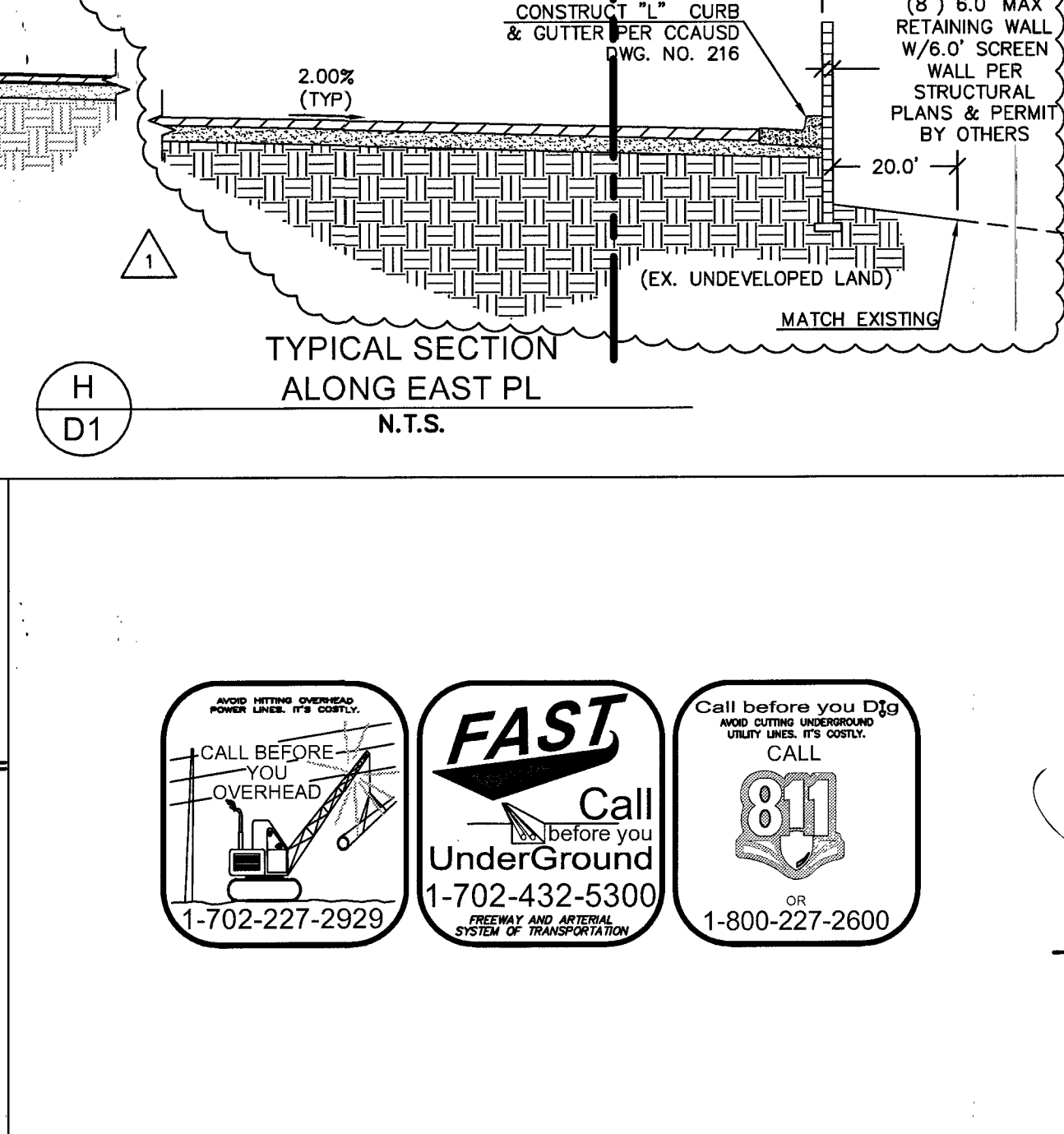
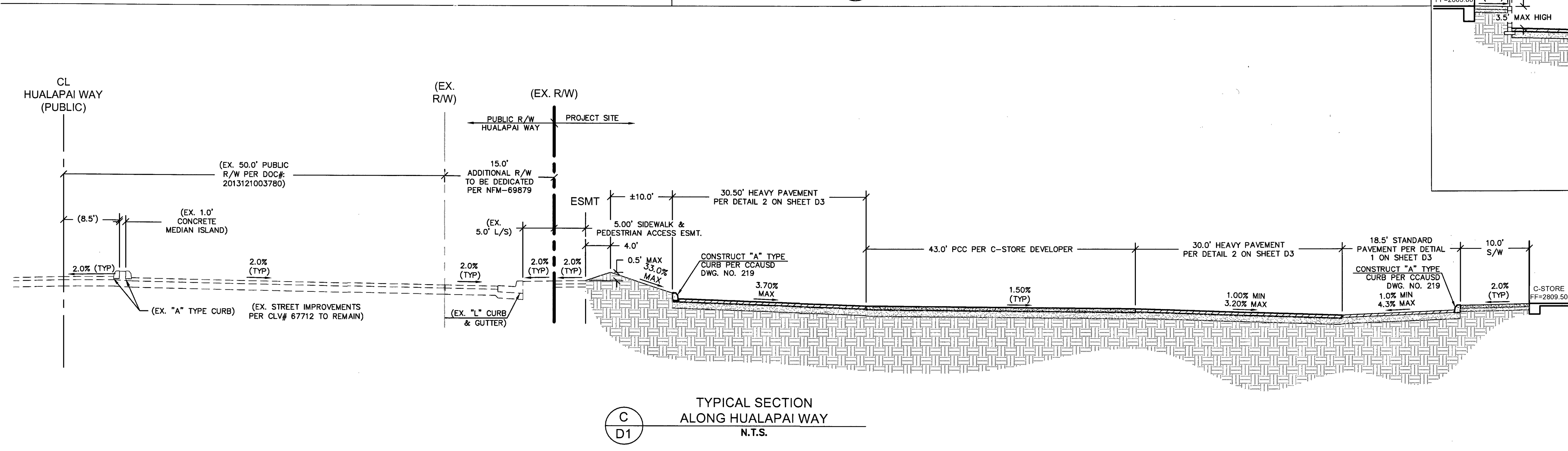
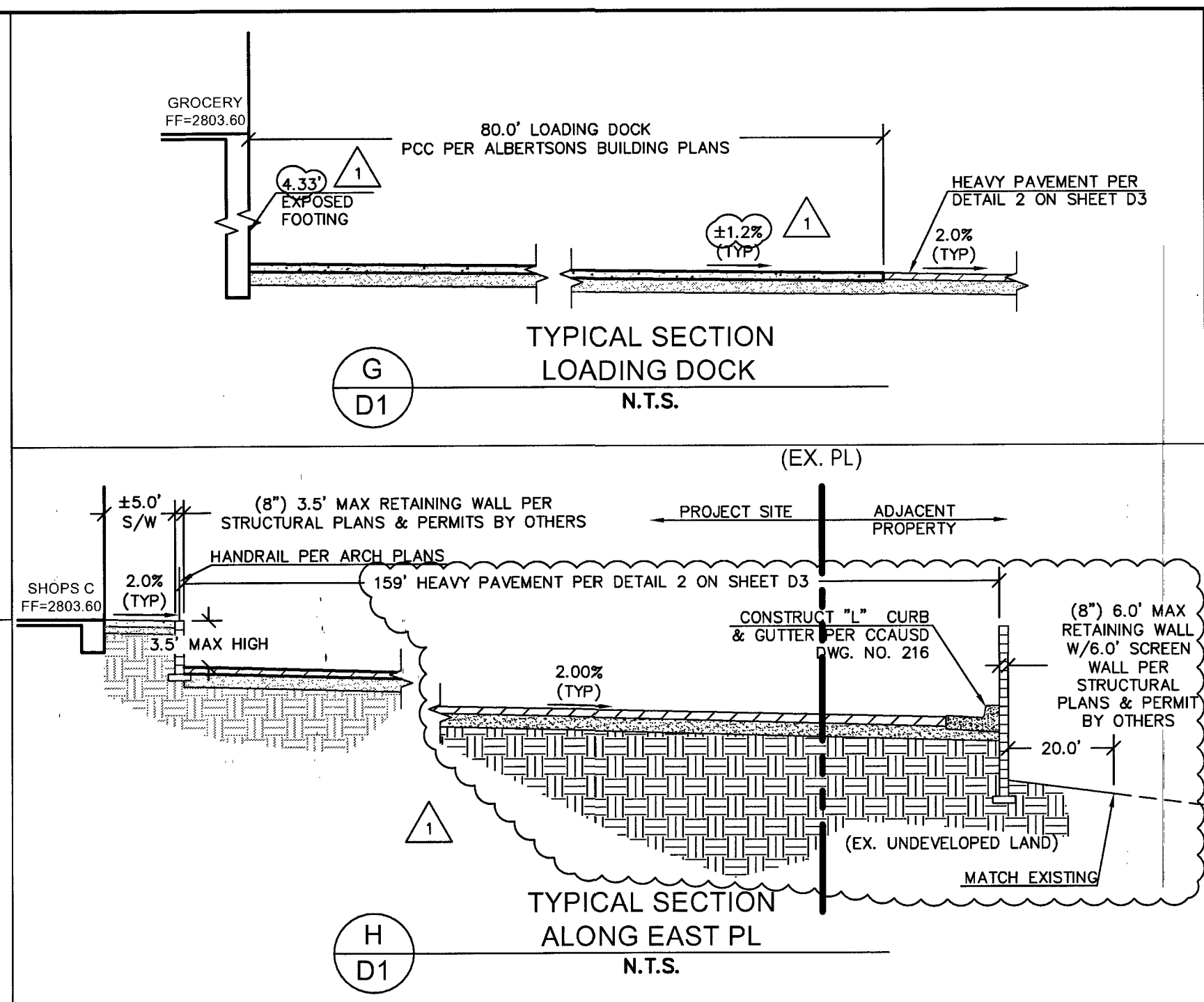
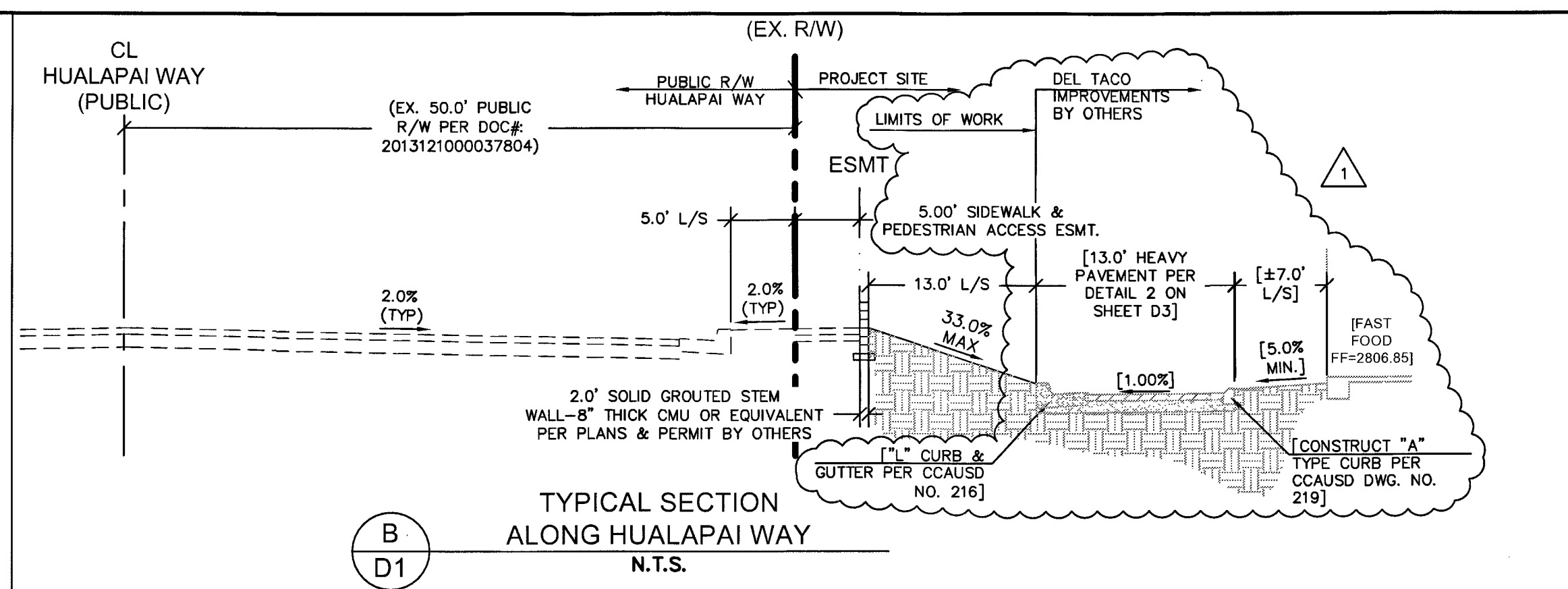
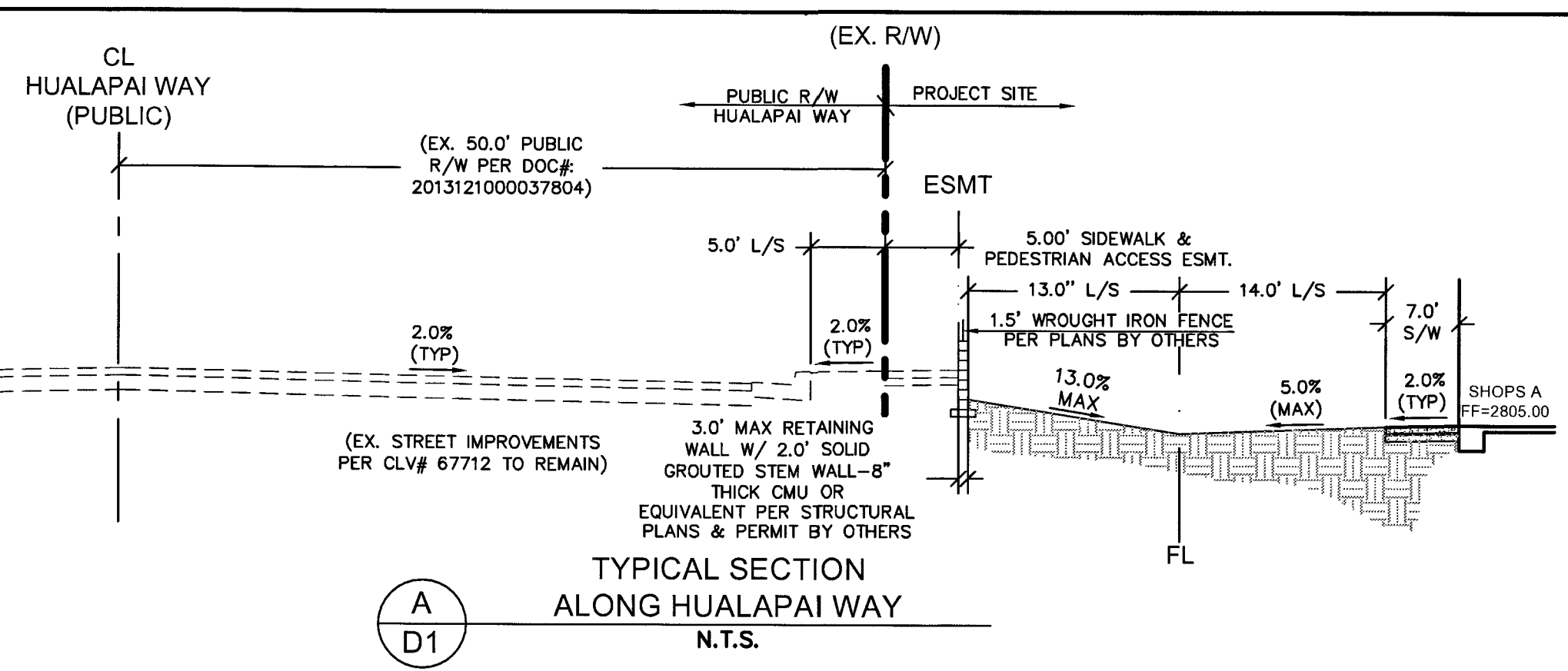
C3

CLV#: 107Y5072

L17-00759

PROJ.#: 125996 AGR:116521 QS:125-19-SW

Plotted By: Jic, Jcym Sheet Set: KHA Layout: D1 May 08, 2018 01:31:19pm W:\61153 LAURICH\DWG IMPROV\ON SITE 02-61153.52-D1.dwg
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REVISIONS		DATE	BY
1	UPDATE DIMENSIONS & DETAILS	6/11/18	CLV

Kimley-Horn
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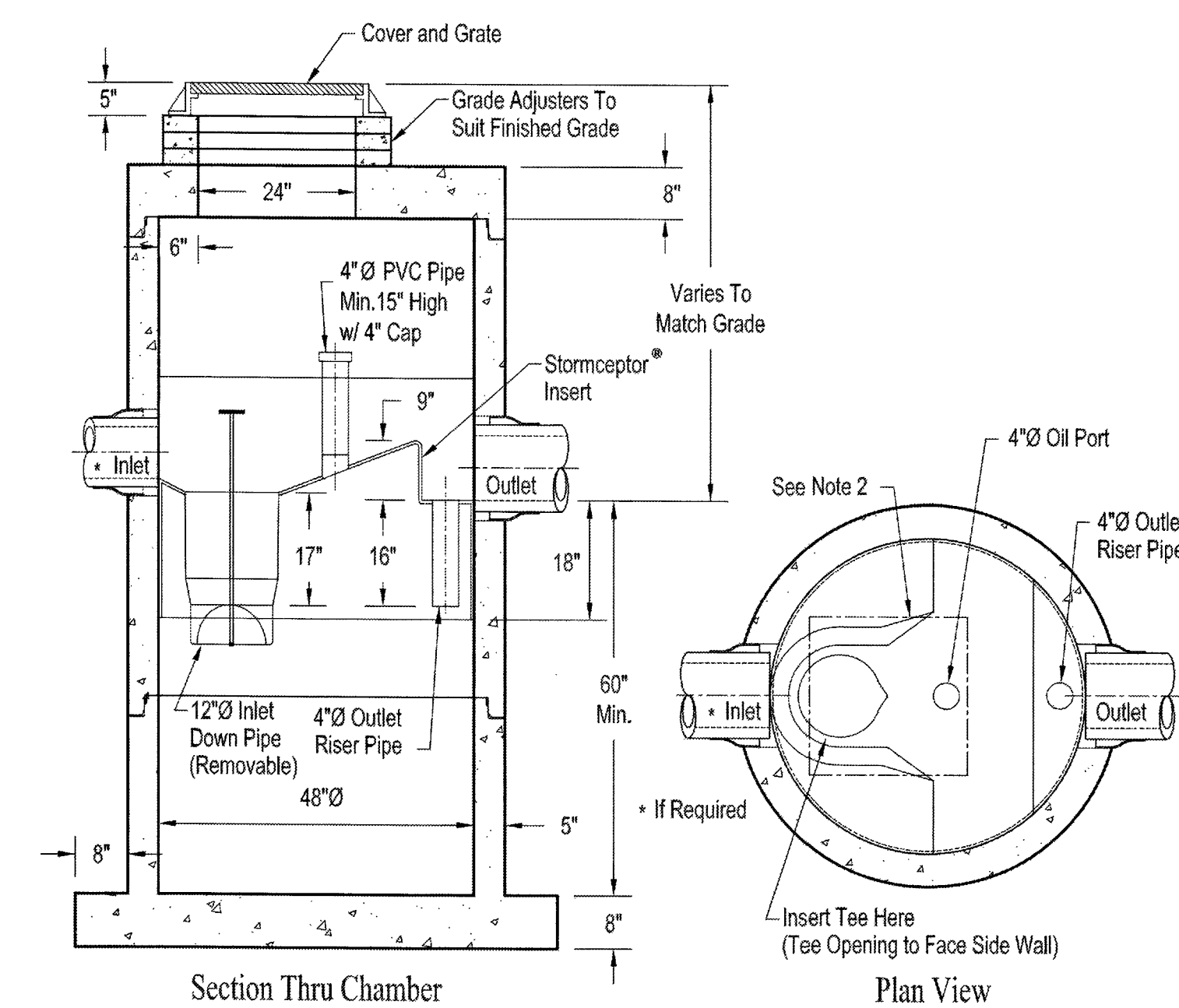
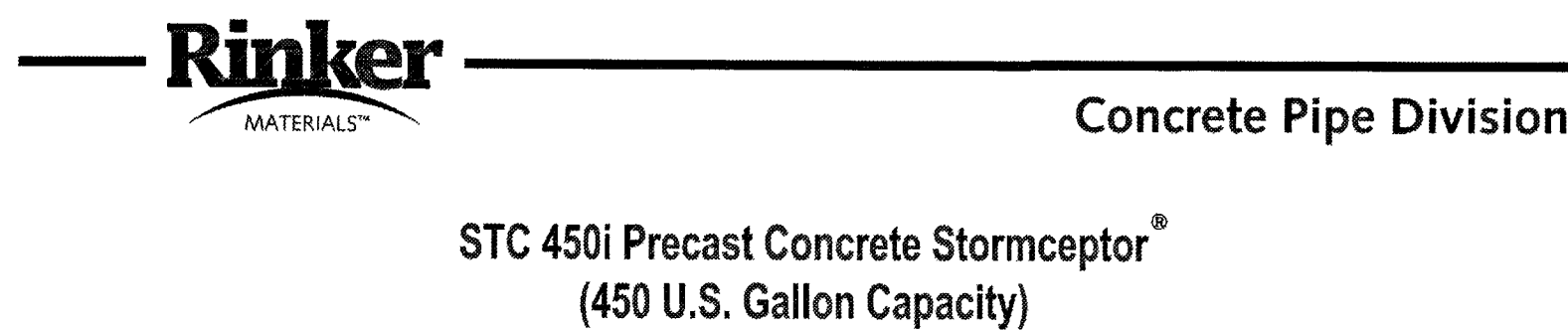
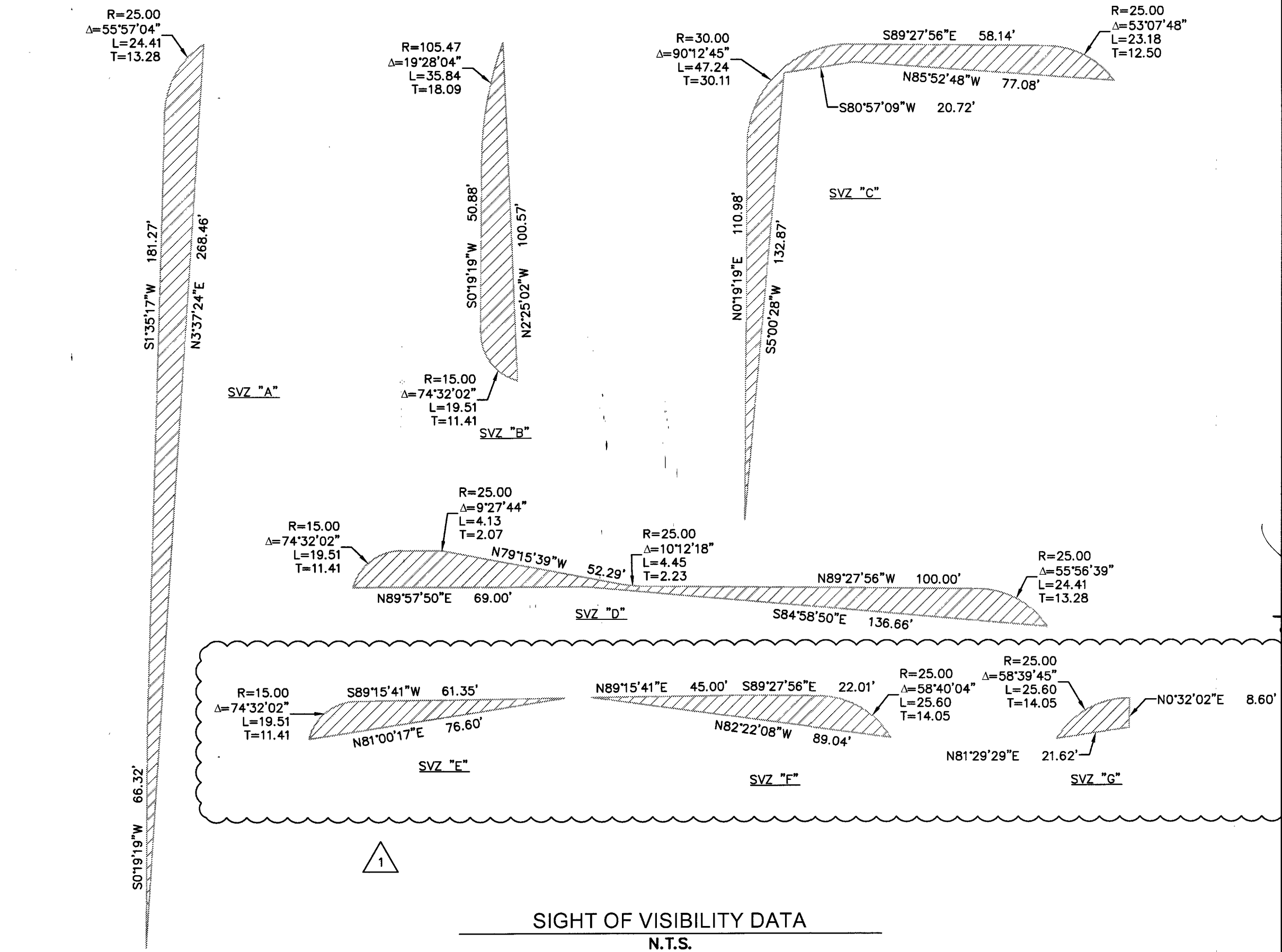
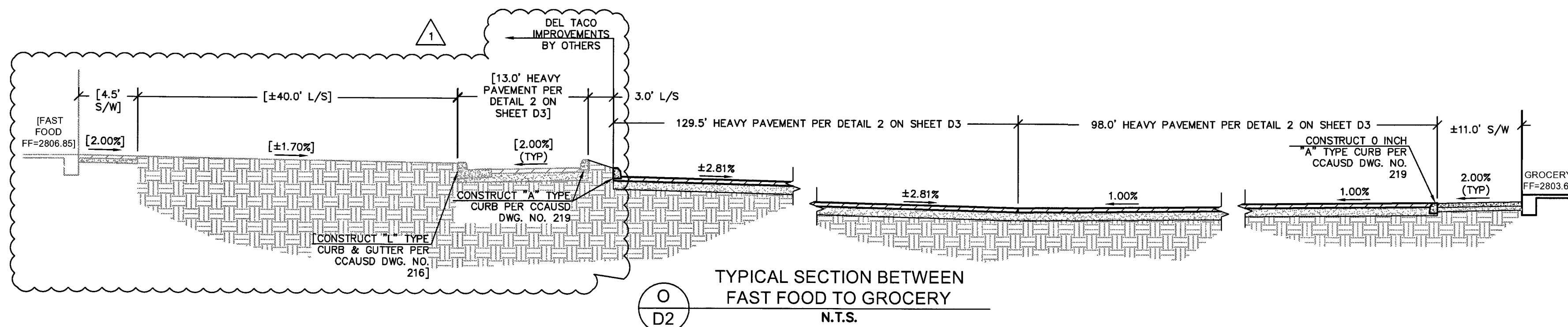
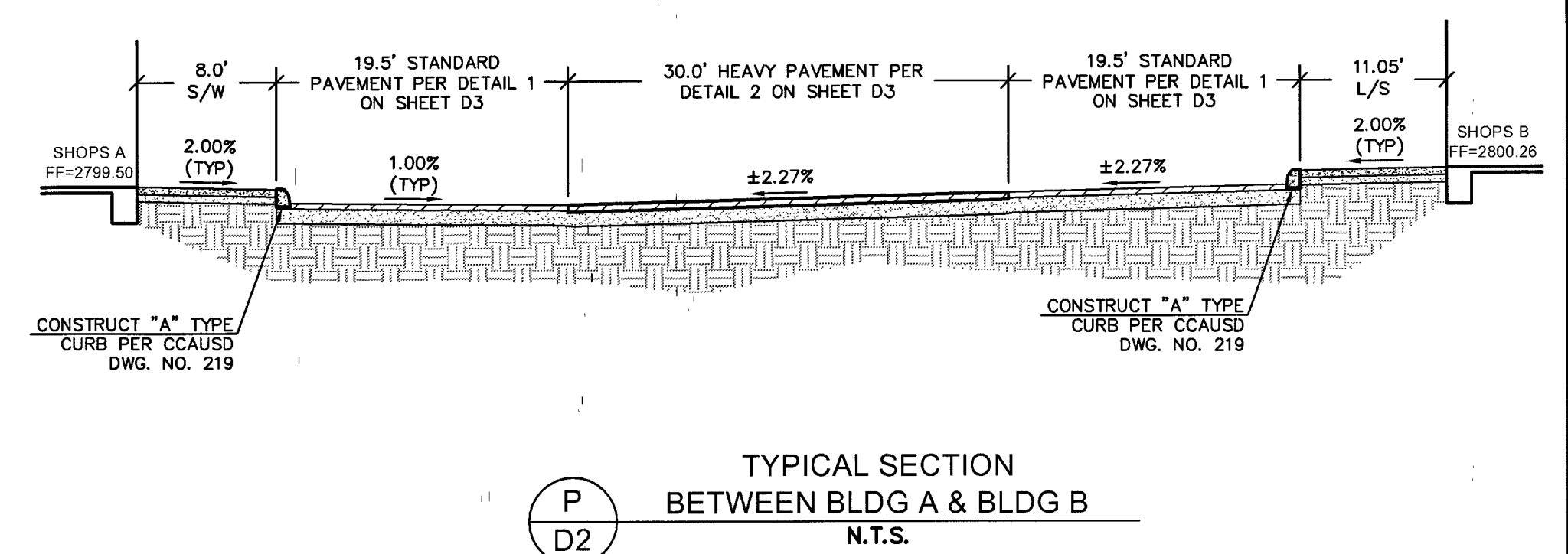
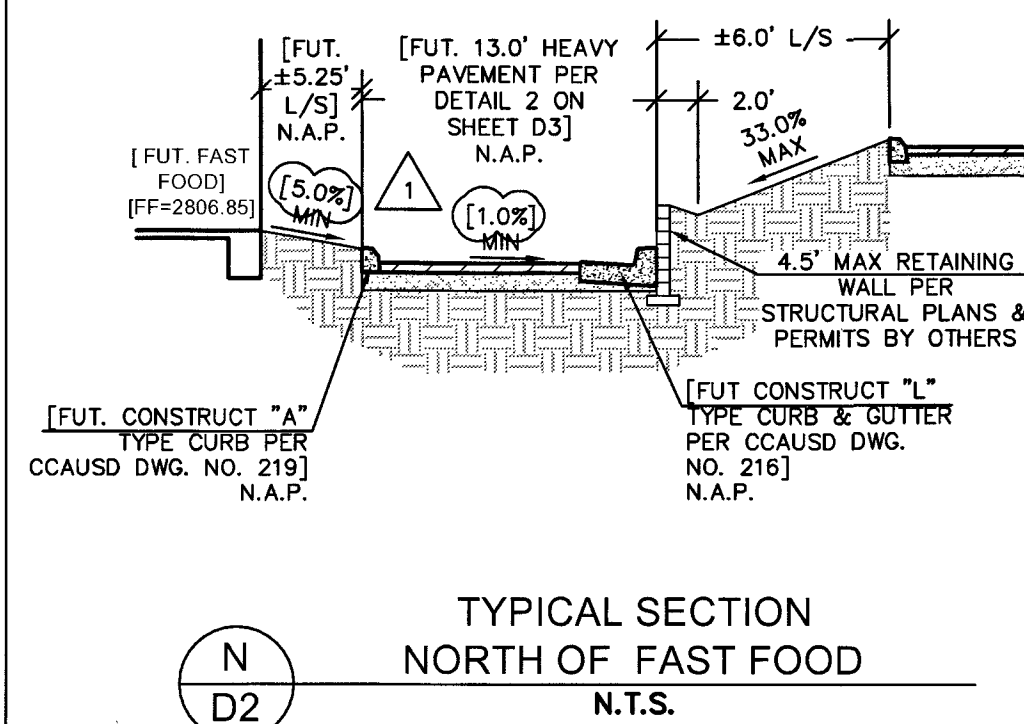
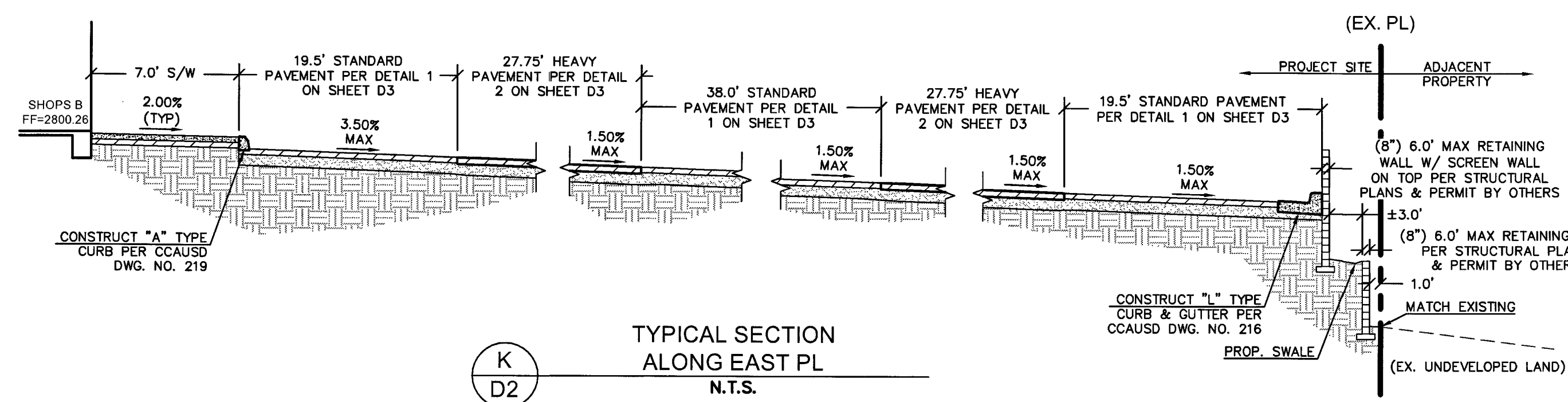
STATE OF NEVADA
Professional Engineer
No. 17819
Civil
Exp. 3/1/18

TYPICAL SECTIONS

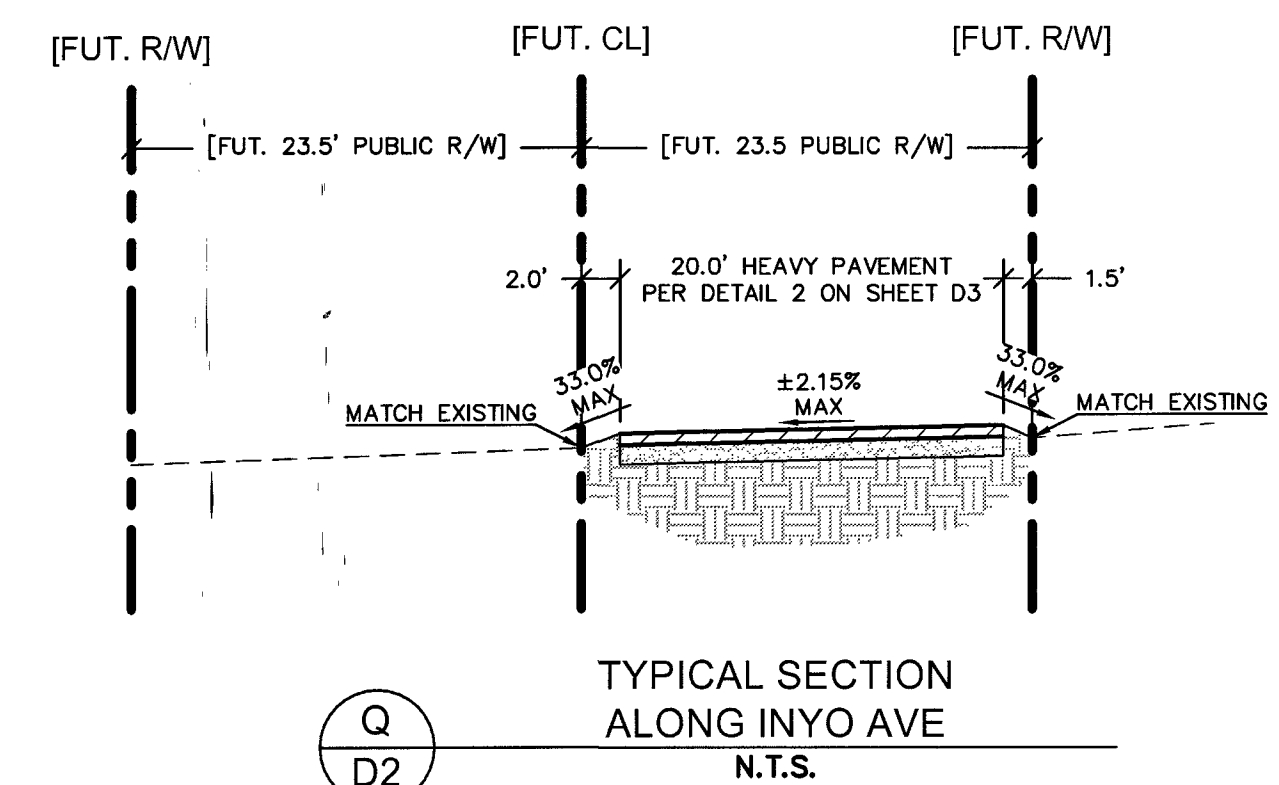
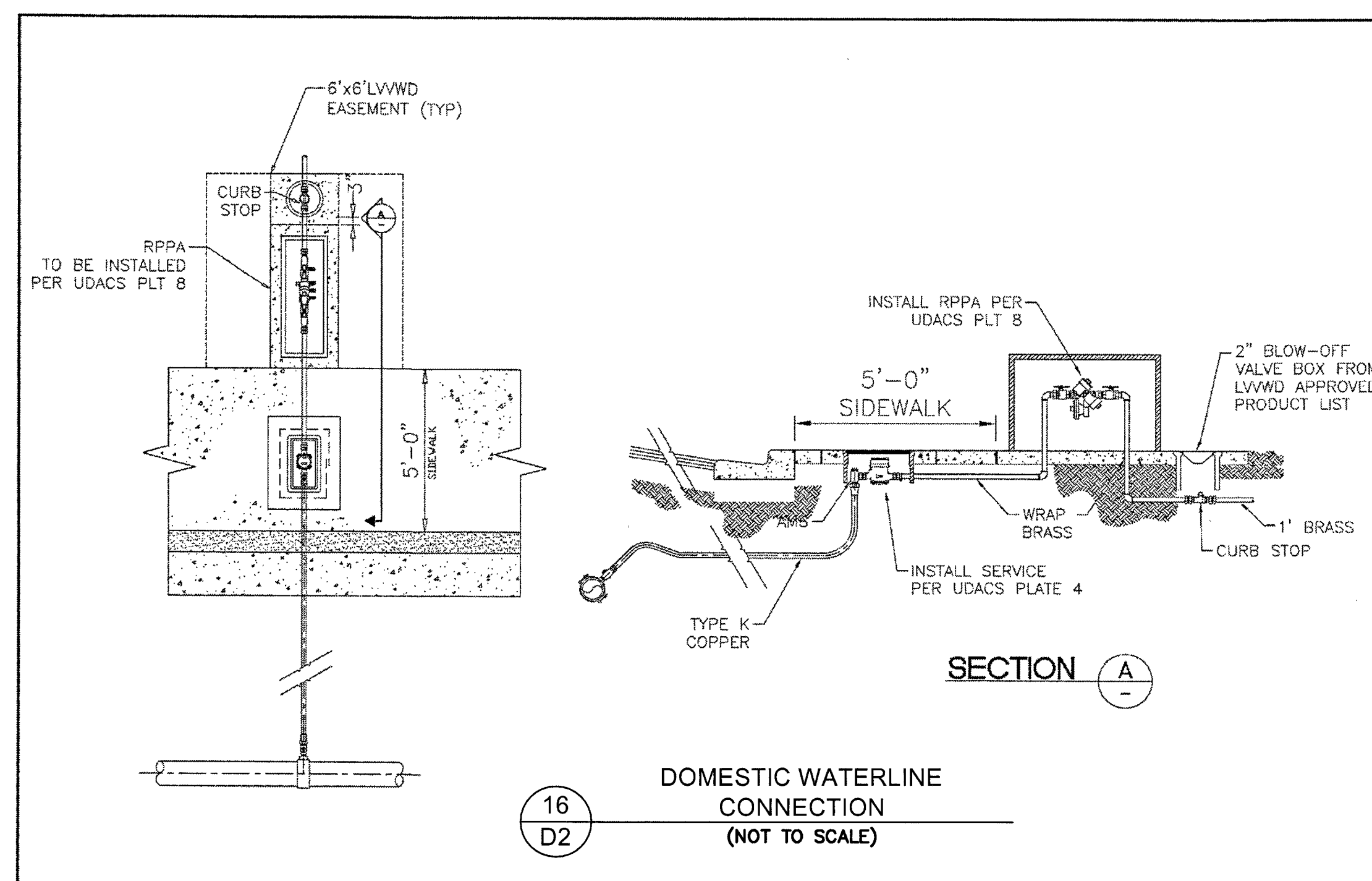
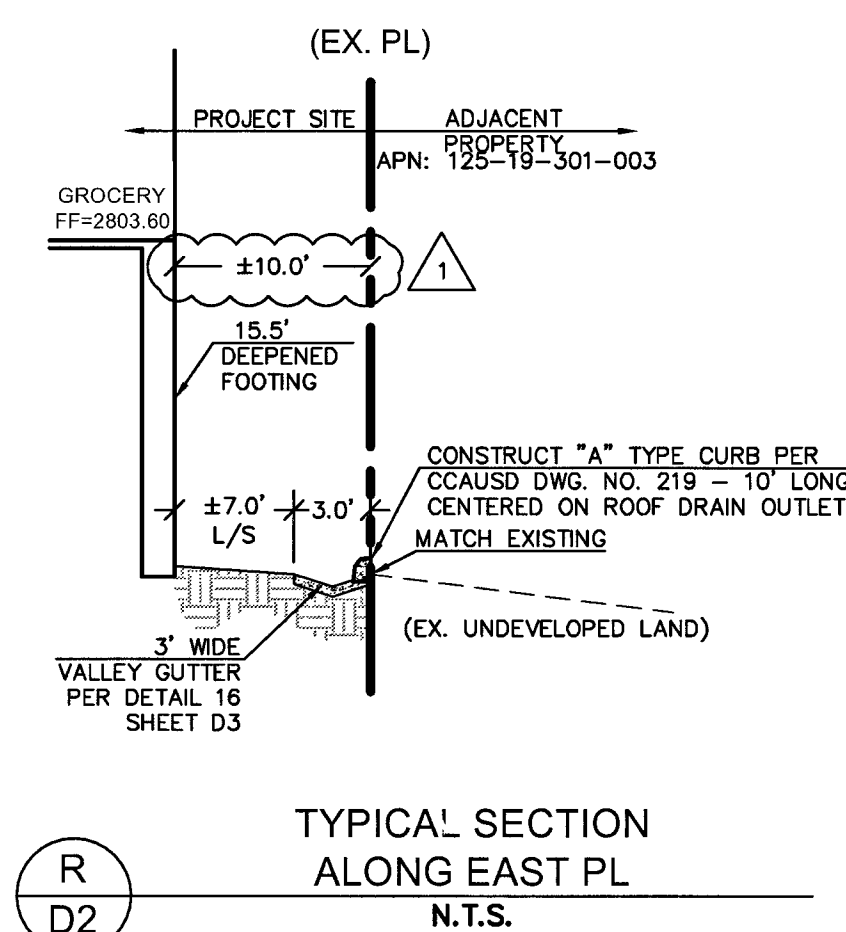
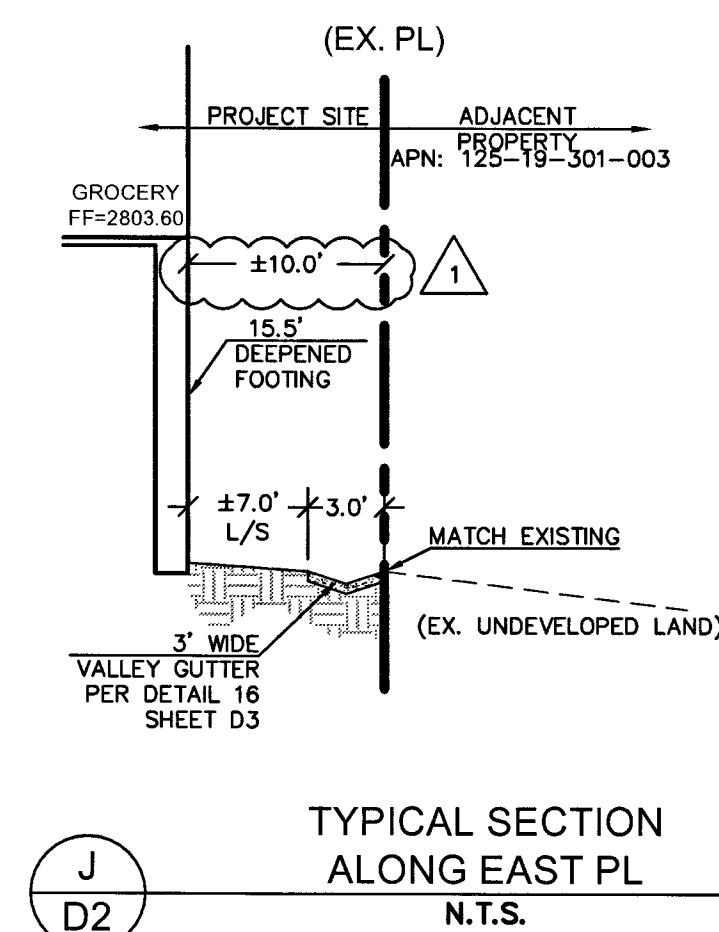
DEER SPRINGS VILLAGE
@ SEC DEER SPRINGS & HUALAPAI

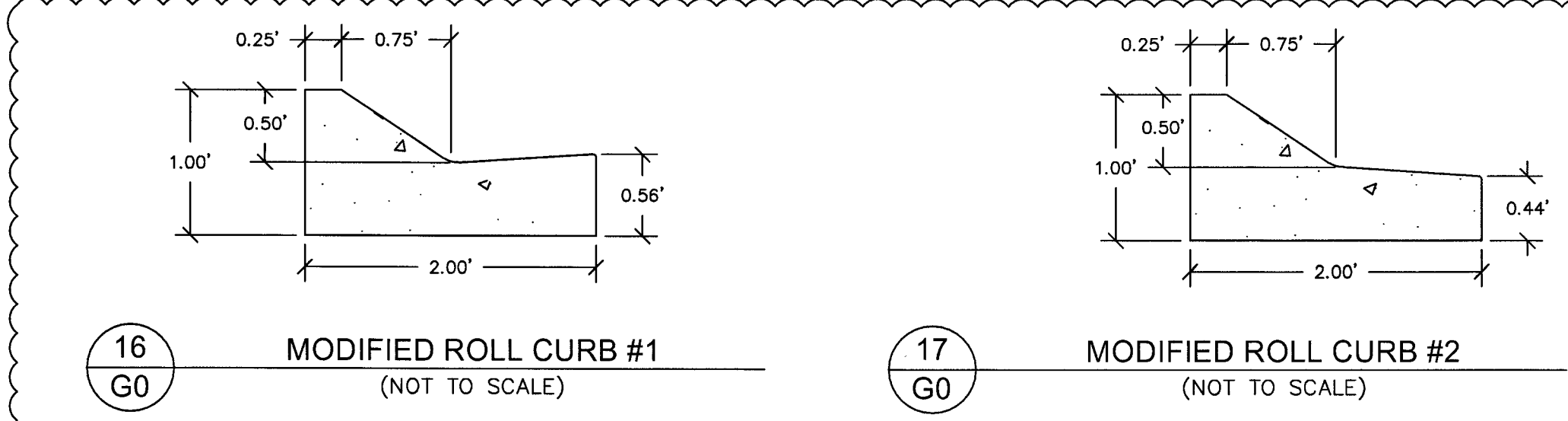
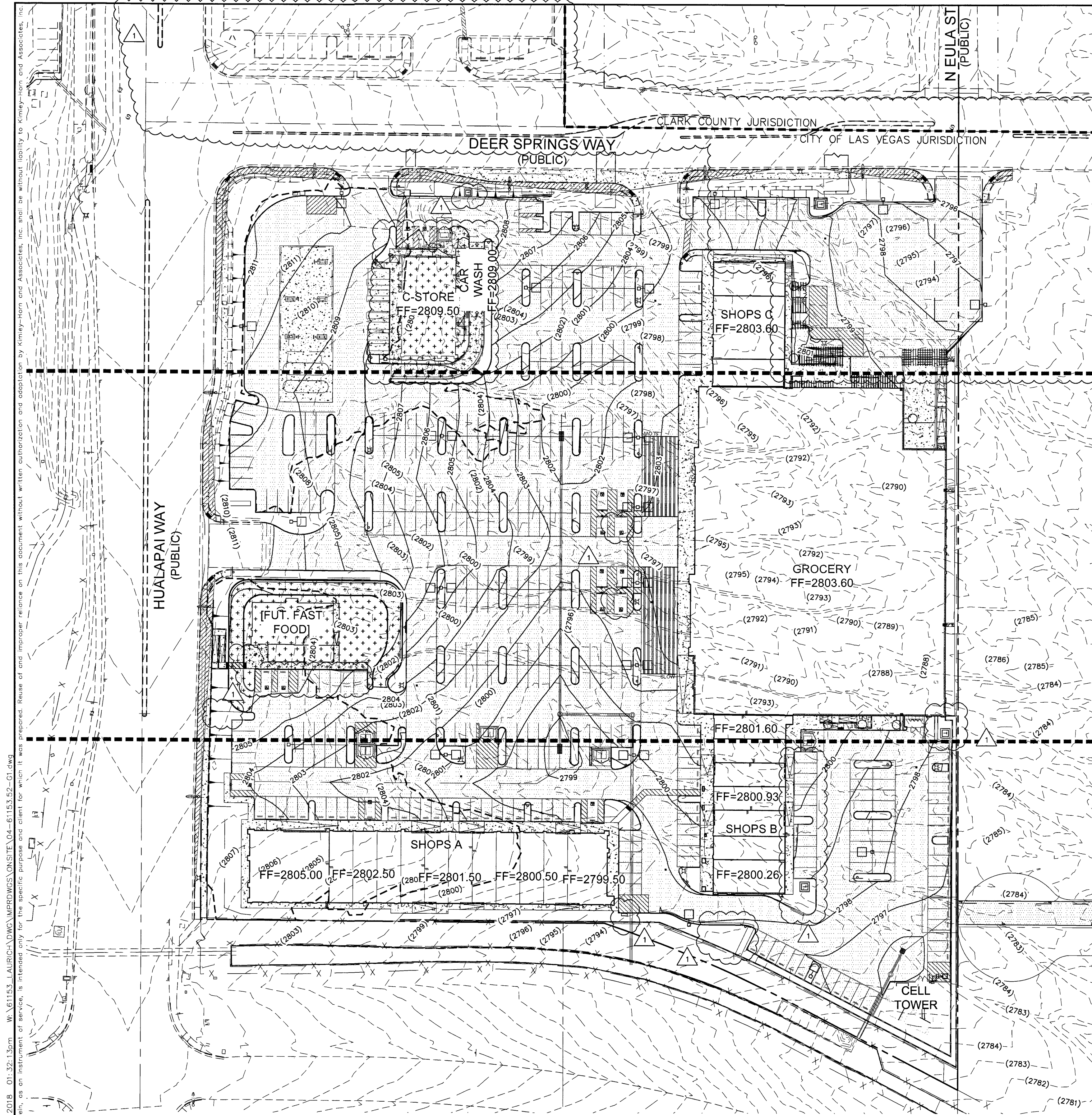
4 OF 19 SHEETS
D1

CLV#: 107Y5072 L17-00759



- Notes:
1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
 2. The Cover Should be Positioned Over The Inlet Drop Pipe and The Oil Port.
 3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
 4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.





STORM DRAIN NOTE

ALL ON-SITE STORM DRAINS AND THE ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNERS.

EARTHWORK QUANTITIES

*NOTE: THESE QUANTITIES ARE APPROXIMATE AND ARE RAW VOLUMES ONLY. OVEREXCAVATION SUBSIDENCE, SHRINKAGE, & BULKING FACTORS ARE NOT TAKEN INTO ACCOUNT.

CUT = 5,751 C.Y.
FILL = 66,425 C.Y.

STORMWATER MANAGEMENT NOTES:

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 THE 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 PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CLARK COUNTY BUILDING ADMINISTRATIVE CODE 24.40 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, SECTION III.A.5.
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, SECTION III.A.12.
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.

ENGINEER'S NOTES:

1. ALL WORK SHALL CONFORM TO THE SOILS REPORT PREPARED BY WESTERN TECHNOLOGIES, DATED FEBRUARY 9, 2017 PROJECT NO. 4126.D030.
2. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST EDITION.
3. FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE TOP OF THE GUTTER (INCLUDING OPEN GRADE).
4. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
5. THIS PLAN SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY ALL APPLICABLE GOVERNMENT AGENCIES.
6. ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
7. MATCH ELEVATIONS SHOWN TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
8. THIS PROJECT IS NOT PART OF AN EXISTING COMMERCIAL SUBDIVISION.
9. 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 THE VEGETATION.

NOTES

ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

SIGHT VISIBILITY ZONES NOTE

NO WALLS, FENCES, TREES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM THE TOP OF CURB.

FLOODZONE

THE PARCEL DESCRIBED HEREON LIES WITHIN THE FLOOD HAZARD ZONE HAVING A ZONE DESIGNATION OF "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN PER FEMA MAPS, NO. 32003C1750 E AND NO. 32003C1745 E BOTH DATED SEPTEMBER 27, 2002.

LEGEND & ABBREVIATIONS

SEE COVER SHEET FOR MASTER LEGEND AND ABBREVIATIONS.

LEGAL DESCRIPTION

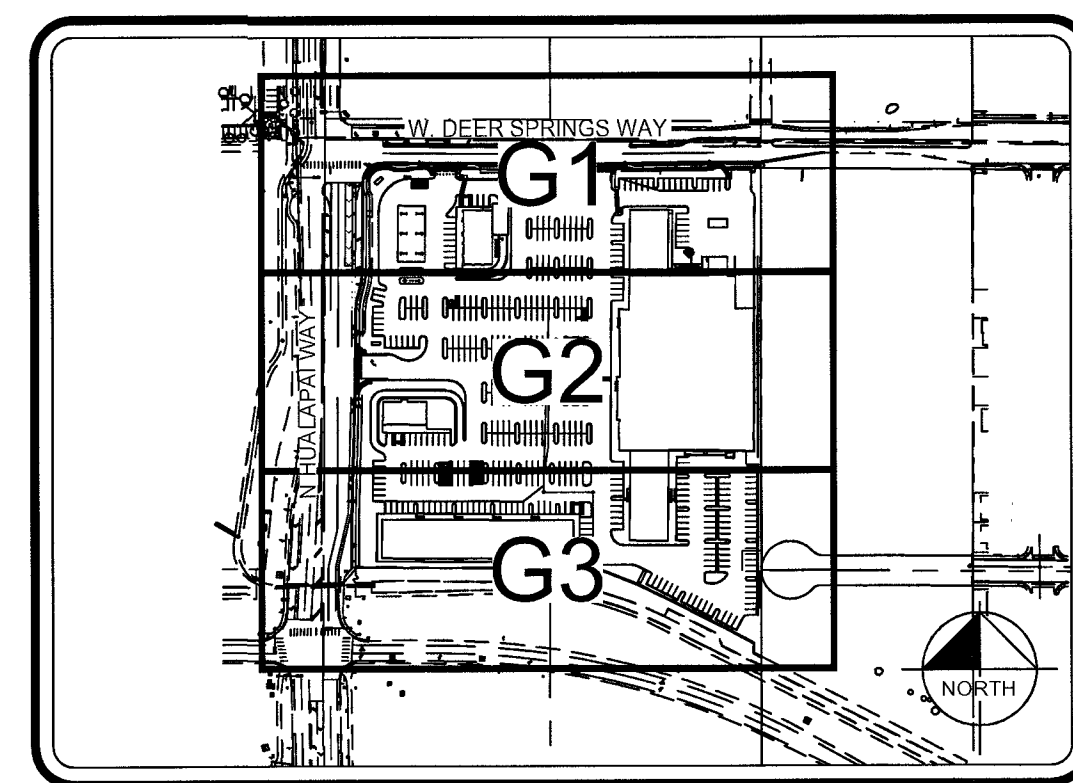
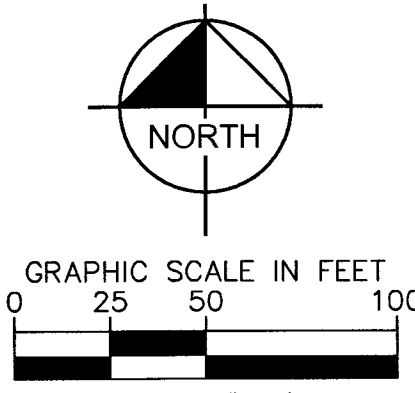
SEE COVER SHEET FOR FULL LEGAL DESCRIPTION

BENCHMARK

BENCHMARK: 12LV99 24E4: A RIVET AND ROUND ALUMINUM PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF HUALAPAI WAY AND DEER SPRINGS WAY = 858.066m = 2815.174ft. (NAVD 88)

BASIS OF BEARINGS

NORTH 89°47'00" WEST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) SECTION 19, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., COUNTY OF CLARK, STATE OF NEVADA

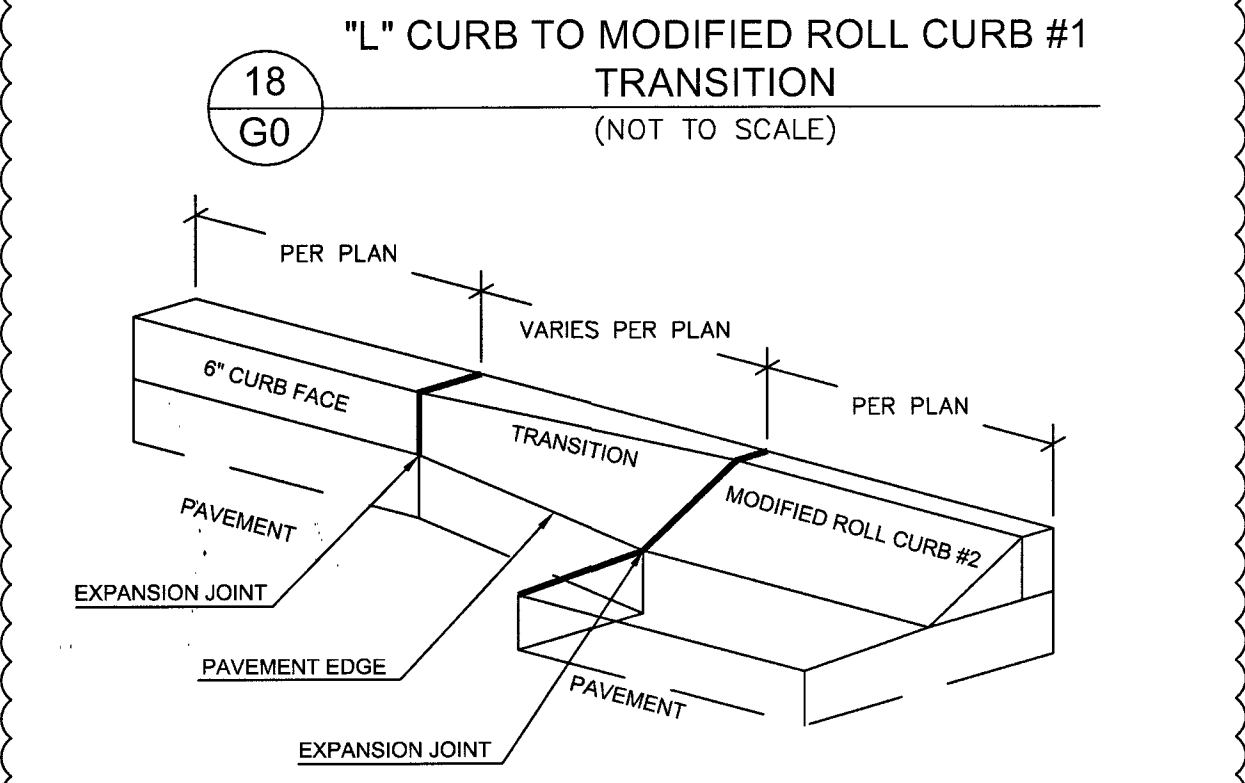
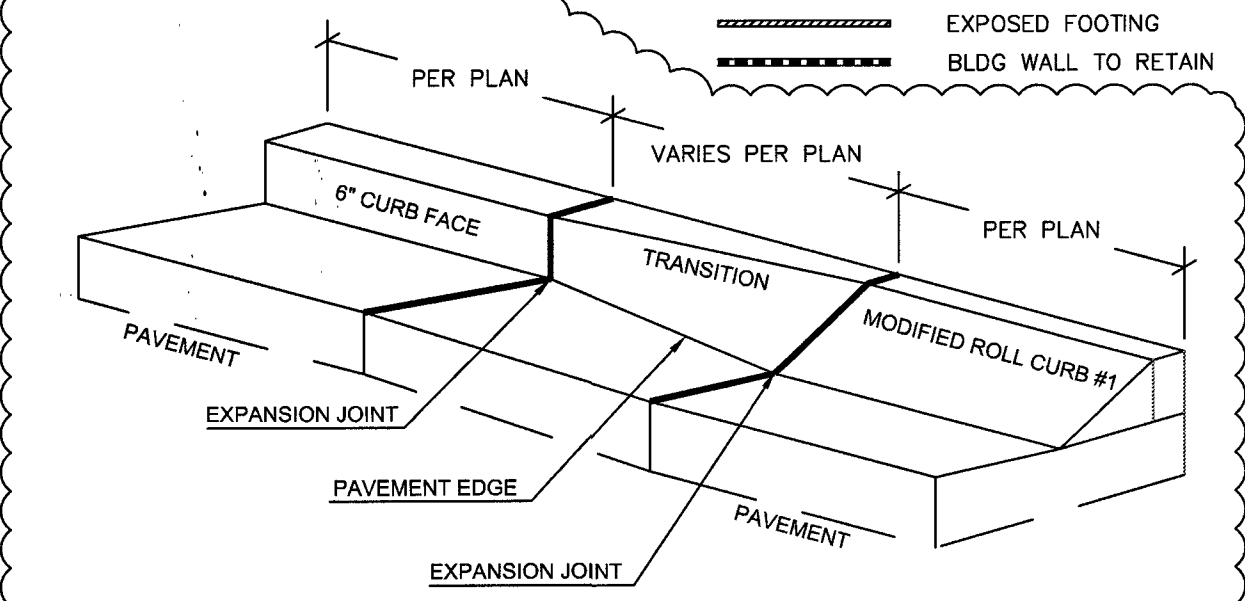


KEY MAP

N.T.S.

LEGEND

- PROPERTY LINE
- STREET CENTERLINE
- RETAINING WALL
- BUILDING
- EXISTING CONTOUR
- CONTOUR
- CURB & GUTTER
- CURB
- EXISTING EDGE OF PAVEMENT
- EXISTING CURB & GUTTER
- EXISTING CURB
- EXISTING BUILDING
- CONSTRUCTION NOTE
- CUT FILL TRANSITION
- SAWCUT LIMITS
- SCARP
- SLOPE
- FLOW LINE
- EASEMENT LINE
- HANDICAP PARKING
- FS FINISHED SURFACE
- CF CURB FACE
- TC CURB BACK
- EP EDGE OF PAVEMENT
- TG TOP OF GRATE
- 99.56 FG GRADE
- (52.0) EG EXISTING GRADE
- EXPOSED FOOTING
- BLDG WALL TO RETAIN



I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT, DS 4902.
Treasea Wolf
TREASEA WOLF, P.E. No. 17879 DATE 5.8.18

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UPDATED DRIVEWAY LOCATION, ADA RAMP, SHOPS B DOOR, ADA PARKING, STALLS IN FRONT OF FAST FOOD & NORTH ADJ. PROPERTY LINE WORK, ADDED DETAIL FOR MODIFIED ROLL CURBS & TRANSITIONS

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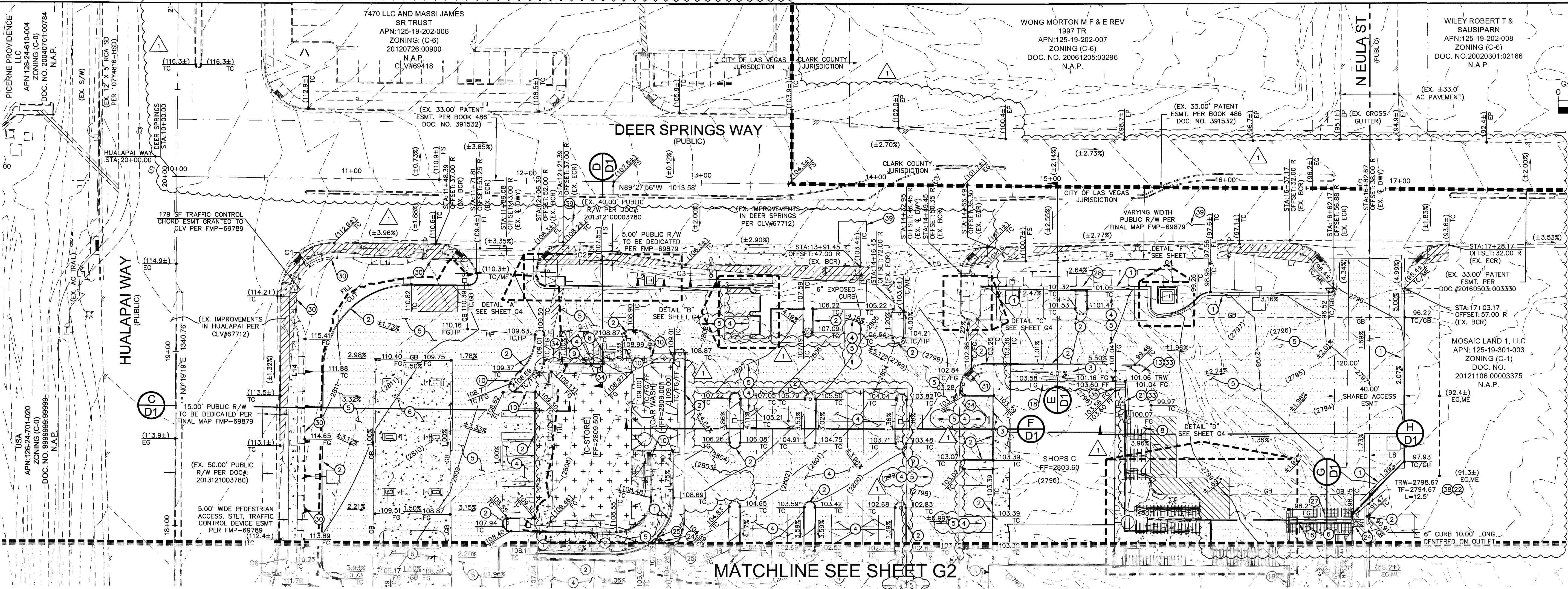
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This document, together with the exhibits and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Zito, Jdelany, Sheet Set: KHA PROJECT 61153.52, DATE NOV. 9, 2017, SCALE AS SHOWN, DESIGNED BY: JZ, DRAWN BY: JZ, CHECKED BY: TW

W: 61153.52 LAURICH-DWG.MPD WSONSTE: 04-61153.52-G1.dwg

May 08, 2018 01:32:25pm



ENGINEER'S NOTES:

1. ALL WORK SHALL CONFORM TO THE SOILS REPORT PREPARED BY WESTERN TECHNOLOGIES, DATED FEBRUARY 9, 2017 PROJECT NO. 4126J0030.
2. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST EDITION.
3. FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE TOP OF THE GUTTER (INCLUDING OPEN GRADE).
4. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION
5. THIS PLAN SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY ALL APPLICABLE GOVERNMENT AGENCIES.
6. ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
7. MATCH ELEVATIONS SHOWN TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
8. THIS PROJECT IS NOT PART OF AN EXISTING COMMERCIAL SUBDIVISION.
9. 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 THE VEGETATION.

NOTES

ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

SIGHT VISIBILITY ZONES NOTE

NO WALLS, FENCES, TREES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM THE TOP OF CURB.

FLOODZONE

THE PARCEL DESCRIBED HEREON LIES WITHIN THE FLOOD HAZARD ZONE HAVING A ZONE DESIGNATION OF "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), AS SHOWN PER FEMA MAPS, NO. 32003C1750 E AND NO. 32003C1745 E BOTH DATED SEPTEMBER 27, 2002.

LEGEND & ABBREVIATIONS

SEE COVER SHEET FOR MASTER LEGEND AND ABBREVIATIONS.

LEGAL DESCRIPTION

SEE COVER SHEET FOR FULL LEGAL DESCRIPTION

BENCHMARK

BENCHMARK: 12LV99 24E4: A RIVET AND ROUND ALUMINUM PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF HUALAPAI WAY AND DEER SPRINGS WAY = 858.066m = 2815.17ft. (NAVD 88)

BASIS OF BEARINGS

NORTH 89°47'00" WEST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) SECTION 19, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., COUNTY OF CLARK, STATE OF NEVADA

STORM DRAIN NOTE

ALL ON-SITE STORM DRAINS AND THE ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNERS.

EARTHWORK QUANTITIES

*NOTE: THESE QUANTITIES ARE APPROXIMATE AND ARE RAW VOLUMES ONLY. OVEREXCAVATION SUBSIDENCE, SHRINKAGE, & BULKING FACTORS ARE NOT TAKEN INTO ACCOUNT.

CUT = 5.751 C.Y.
FILL = 86.425 C.Y.

STORMWATER MANAGEMENT NOTES:

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 THE 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 THE CLARK COUNTY BUILDING ADMINISTRATIVE CODE 24.40 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, SECTION III.A.5.
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, SECTION III.A.12.
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.

LINE TABLE		
LINE	LENGTH	BEARING
L1	141.18	N89°27'56.45"W
L2	51.98	N79°15'38.89"W
L3	100.00	N89°27'56.45"W
L4	73.77	N81°27'04.99"E
L5	73.77	N81°27'04.99"E
L6	150.99	N89°15'40.64"E
L7	67.74	N89°27'56.45"W
L8	669.44	N0°04'08.34"E
L9	136.43	N0°04'08.34"E
L10	153.21	S62°30'17.00"E
L11	339.21	N89°32'44.04"W
L12	88.23	N0°19'19.00"E
L13	87.55	N0°19'19.00"E
L14	136.93	N0°19'19.00"E

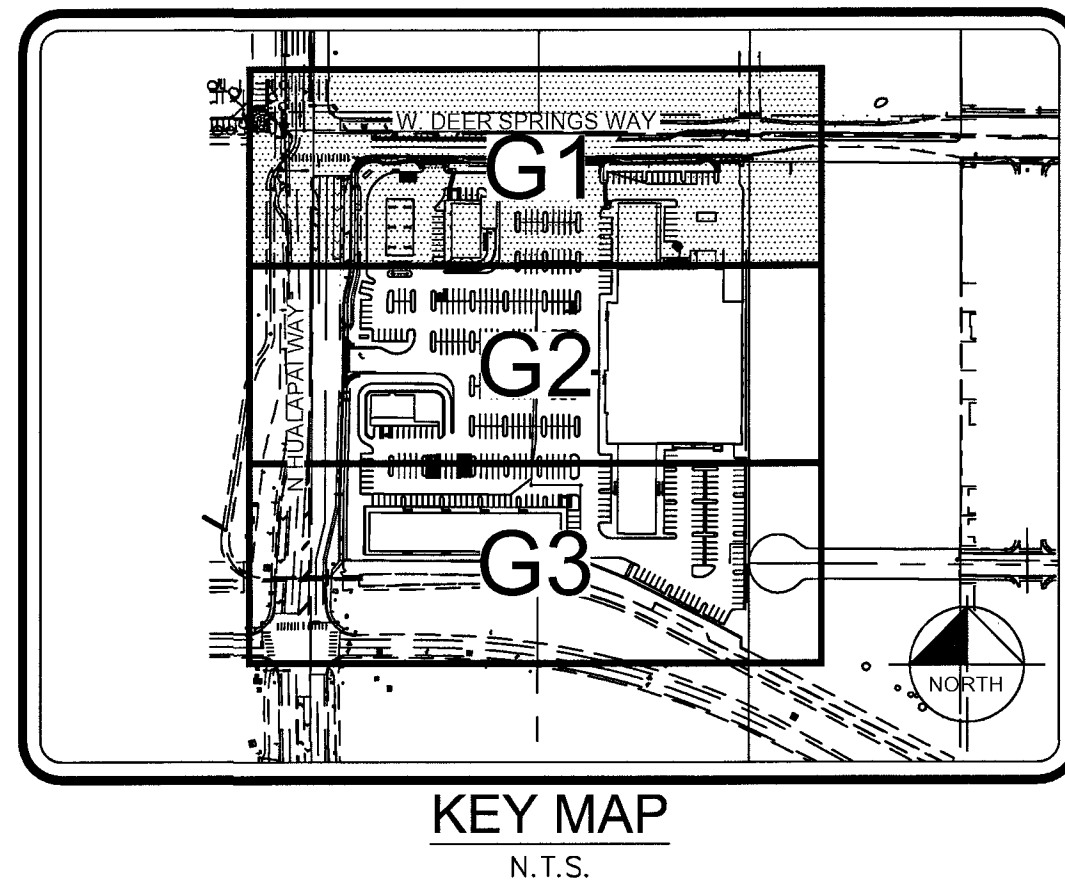
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C4	1120.00'	174.40'	8°55'19"	87.38'
C5	95.00'	30.17'	18°11'42"	15.21'
C6	105.00'	33.34'	18°11'42"	16.81'

CONSTRUCTION NOTES

1. CONSTRUCT "L" TYPE CURB & GUTTER PER CCAUSD NO. 216
2. CONSTRUCT "A" TYPE CURB PER CCAUSD NO. 219
3. CONSTRUCT 4" SIDEWALK PER CCAUSD NO. 234
4. CONSTRUCT STANDARD AC PAVEMENT PER SOILS REPORT BY WESTERN TECHNOLOGIES INC. SEE DETAIL "1" ON SHEET D3
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9. CONSTRUCT 0" CURB
10. TRANSITION FROM 6" CURB TO 0" CURB PER DETAIL "5" ON SHEET D3
13. CONSTRUCT ON-SITE ADA RAMP CASE II WITH HANDRAILS WHERE APPLICABLE PER DETAIL "7" ON SHEET D3
16. INSTALL TRENCH DRAIN PER SEPARATE PLANS AND PERMIT. SEE GROCERY PLANS FOR DETAILS
18. EXPOSED BUILDING FOOTING PER SEPARATE STRUCTURAL PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)
21. CONSTRUCT 4.5" MAX RETAINING WALL PER PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)
22. CONSTRUCT 6" MAX RETAINING WALL PER PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)
24. INSTALL ROCK LINED SWALE RIP RAP (D50=6", T=12") PER DETAIL "11" ON SHEET D3
25. CONSTRUCT 2.0' WIDE CURB OPENING PER DETAIL "12" ON SHEET D3
27. CONSTRUCT TERRACE PER ARCH PLANS & DETAILS BY OTHERS
28. INSTALL 2.0' CONCRETE FLUME PER DETAIL "14" ON SHEET D3
30. CONSTRUCT 6" BERM
31. CONSTRUCT ON-SITE ADA RAMP CASE III PER DETAIL "15" ON SHEET D3
33. CONSTRUCT 42" HANDRAIL - SEE ARCH PLANS FOR DETAILS
34. CONSTRUCT PRECAST BUMPER BLOCK PER CCAUSD DWG NO. 238
36. INSTALL STAIRS PER PLANS BY ARCH
38. CONSTRUCT 6" SCREEN WALL PER ARCH PLANS & DETAILS BY OTHERS
39. SAWCUT AND MATCH EXISTING

LEGEND

- PROPERTY LINE
- STREET CENTERLINE
- RETAINING WALL
- BUILDING
- EXISTING CONTOUR
- CONTOUR
- CURB & GUTTER
- CURB
- EXISTING EDGE OF PAVEMENT
- EXISTING CURB & GUTTER
- EXISTING CURB
- EXISTING BUILDING
- CONSTRUCTION NOTE
- CUT FILL TRANSITION
- SAWCUT LIMITS
- SCARP
- SLOPE
- FLOW LINE
- EASEMENT LINE
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- FINISHED SURFACE
- CURB FACE
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- EDGE OF PAVEMENT
- TOP OF GRATE
- GRADE
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- EXPOSED FOOTING
- BLDG WALL TO RETAIN



I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT, DS 4902.

Treasea Wolf 5-8-18
TREASEA WOLF, P.E. NO. 17879 DATE

CLV#: 107Y5072 L17-00759

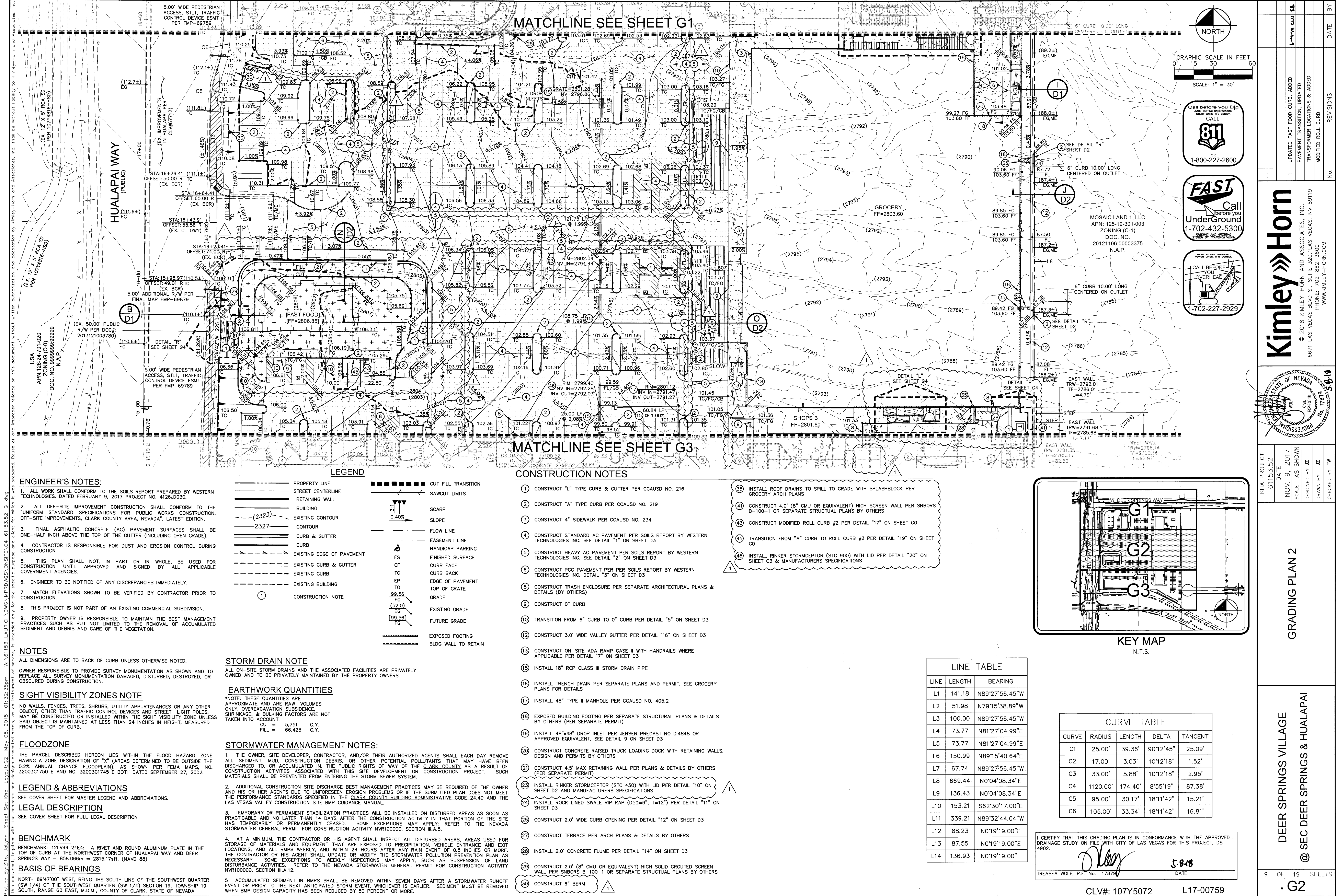
KHA PROJECT 61153.52		DATE NOV. 9, 2017		SCALE AS SHOWN		DESIGNED BY JZ		DRAWN BY JZ		CHECKED BY TW	
1 UPDATED DRIVEWAY & UPDATED GRADE TAGS		FOR C-STORE & CARWASH TO BE FUTURE		ADDED PAVEMENT TRANSITION, & NORTH ADJ		PROPERTY LINE WORK, ADDED MODIFIED ROLL		CURB		REVISIONS	
1		No.		DATE		BY					

Kimley»Horn

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6671 LAS VEGAS BLVD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-8600
WWW.KIMLEY-HORN.COM

DEER SPRINGS VILLAGE
@ SEC DEER SPRINGS & HUALAPAI

8 OF 19 SHEETS
G1



ENGINEER'S NOTES:

1. ALL WORK SHALL CONFORM TO THE SOILS REPORT PREPARED BY WESTERN TECHNOLOGIES. DATED FEBRUARY 9, 2017 PROJECT NO. 4126.0030.
2. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST EDITION.
3. FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE TOP OF THE GUTTER (INCLUDING OPEN GRADE).
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- PROPERTY LINE
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 - RETAINING WALL
 - BUILDING
 - EXISTING CONTOUR
 - CONTOUR
 - CURB & GUTTER
 - CURB
 - EXISTING EDGE OF PAVEMENT
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4. CONSTRUCT STANDARD AC PAVEMENT PER SOILS REPORT BY WESTERN TECHNOLOGIES INC. SEE DETAIL "1" ON SHEET D3
5. CONSTRUCT HEAVY AC PAVEMENT PER SOILS REPORT BY WESTERN TECHNOLOGIES INC. SEE DETAIL "2" ON SHEET D3
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8. CONSTRUCT TRASH ENCLOSURE PER SEPARATE ARCHITECTURAL PLANS & DETAILS (BY OTHERS)
9. CONSTRUCT 0" CURB
10. TRANSITION FROM 6" CURB TO 0" CURB PER DETAIL "5" ON SHEET D3
12. CONSTRUCT 3.0' WIDE VALLEY GUTTER PER DETAIL "16" ON SHEET D3
13. CONSTRUCT ON-SITE ADA RAMP CASE II WITH HANDRAILS WHERE APPLICABLE PER DETAIL "7" ON SHEET D3
15. INSTALL 18" RCP CLASS III STORM DRAIN PIPE
16. INSTALL TRENCH DRAIN PER SEPARATE PLANS AND PERMIT. SEE GROCERY PLANS FOR DETAILS
17. INSTALL 48" TYPE II MANHOLE PER CCAUSD NO. 405.2
18. EXPOSED BUILDING FOOTING PER SEPARATE STRUCTURAL PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)
19. INSTALL 48"x48" DROP INLET PER JENSEN PRECAST NO D14848 OR APPROVED EQUIVALENT, SEE DETAIL 9 ON SHEET D3
20. CONSTRUCT CONCRETE RAISED TRUCK LOADING DOCK WITH RETAINING WALLS. DESIGN AND PERMITS BY OTHERS
21. CONSTRUCT 4.5" MAX RETAINING WALL PER PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)
23. INSTALL RINKER STORMCEPTOR (STC 450) WITH LID PER DETAIL "10" ON SHEET D3 & MANUFACTURERS SPECIFICATIONS
24. INSTALL ROCK LINED SWALE RIP RAP (D50=6", T=12") PER DETAIL "11" ON SHEET D3
25. CONSTRUCT 2.0' WIDE CURB OPENING PER DETAIL "12" ON SHEET D3
27. CONSTRUCT TERRACE PER ARCH PLANS & DETAILS BY OTHERS
28. INSTALL 2.0' CONCRETE FLUME PER DETAIL "14" ON SHEET D3
29. CONSTRUCT 2.0' (8" CMU OR EQUIVALENT) HIGH SOLID GROUTED SCREEN WALL PER SNBORS B-100-1 OR SEPARATE STRUCTURAL PLANS BY OTHERS
30. CONSTRUCT 6" BERM

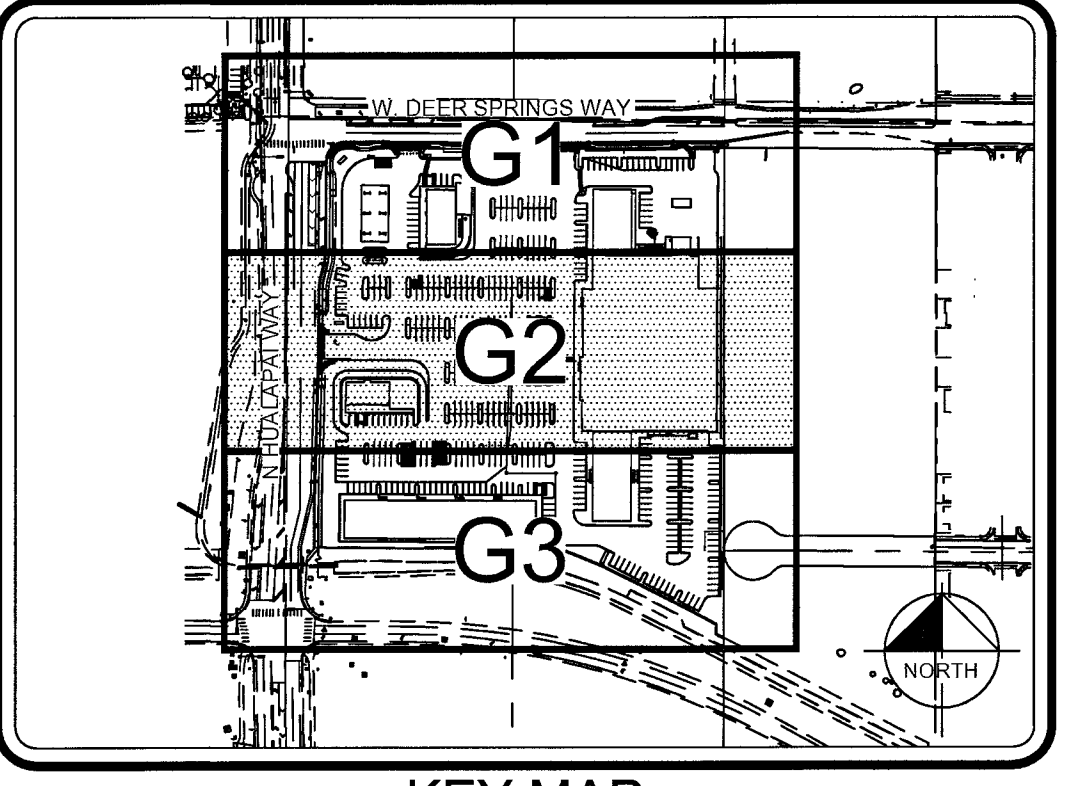
35. INSTALL ROOF DRAINS TO SPILL TO GRADE WITH SPLASHBLOCK PER GROCERY ARCH PLANS
41. CONSTRUCT 4.0' (8" CMU OR EQUIVALENT) HIGH SCREEN WALL PER SNBORS B-100-1 OR SEPARATE STRUCTURAL PLANS BY OTHERS
43. CONSTRUCT MODIFIED ROLL CURB #2 PER DETAIL "17" ON SHEET G0
45. TRANSITION FROM "A" CURB TO ROLL CURB #2 PER DETAIL "19" ON SHEET G0
46. INSTALL RINKER STORMCEPTOR (STC 900) WITH LID PER DETAIL "20" ON SHEET C3 & MANUFACTURERS SPECIFICATIONS

LINE TABLE

LINE	LENGTH	BEARING
L1	141.18	N89°27'56.45"W
L2	51.98	N79°15'38.89"W
L3	100.00	N89°27'56.45"W
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L13	87.55	N0°19'19.00"E
L14	136.93	N0°19'19.00"E

KEY MAP

N.T.S.



CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
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TREASEA WOLF, P.E. No. 17878

DATE 5-8-18

CLV#: 107Y5072 L17-00759

1

UPDATED FAST FOOD CURB, ADDED

2

PAYMENT TRANSITION, UPDATED

3

TRANSFORMER LOCATIONS & ADDED

4

MODIFIED ROLL CURB

1

NO.

1

REVISIONS

1

DATE

1

BY

Kimley»Horn

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6671 LAS VEGAS BLVD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-8600
WWW.KIMLEY-HORN.COM

STATE OF NEVADA

PROFESSIONAL ENGINEER

NO. 17818

5-8-18

DEER SPRINGS VILLAGE

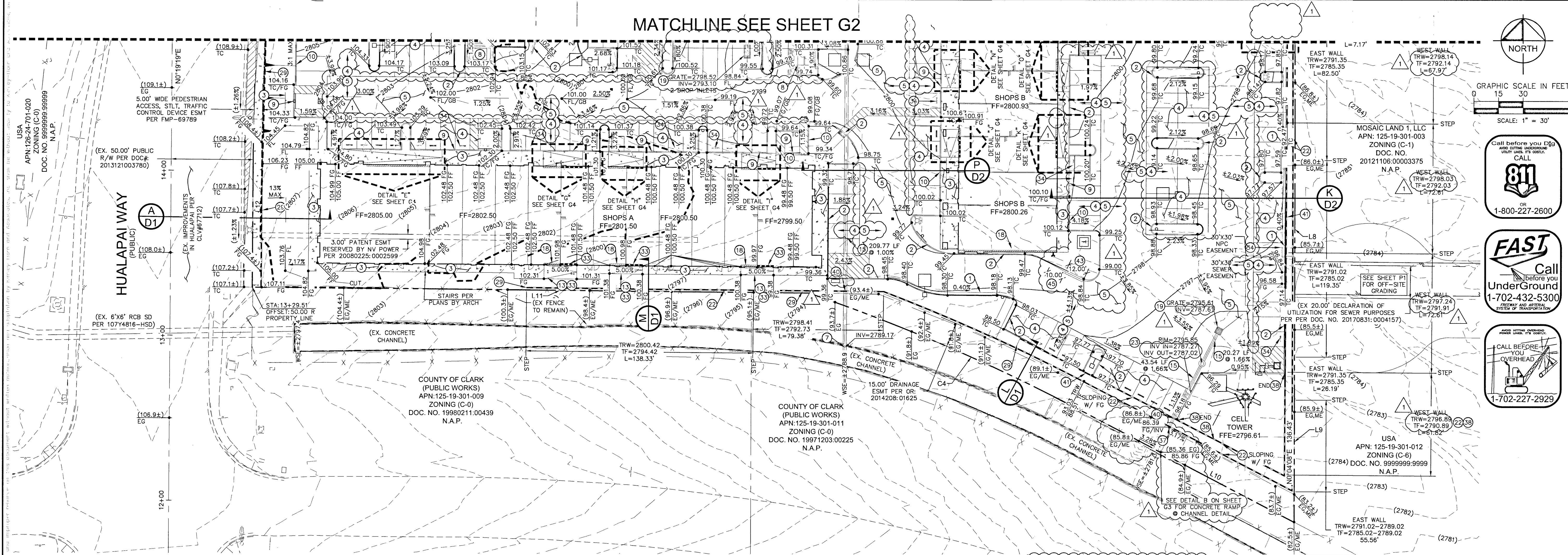
@ SEC DEER SPRINGS & HUALAPAI

9

OF 19 SHEETS

G2

MATCHLINE SEE SHEET G2



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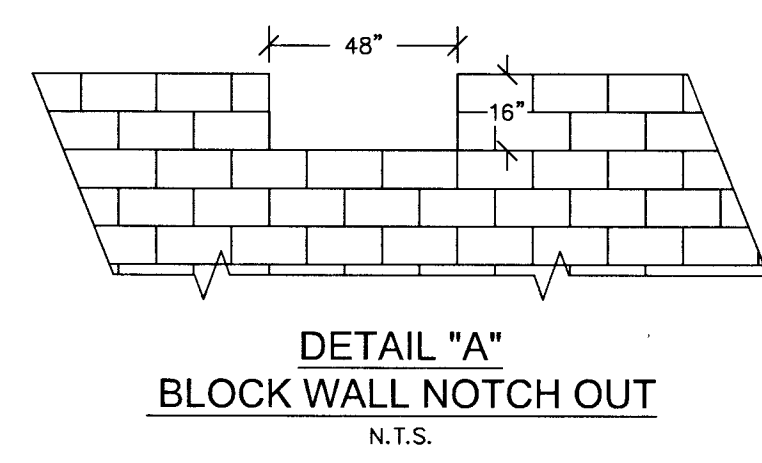
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STORMWATER MANAGEMENT NOTES:

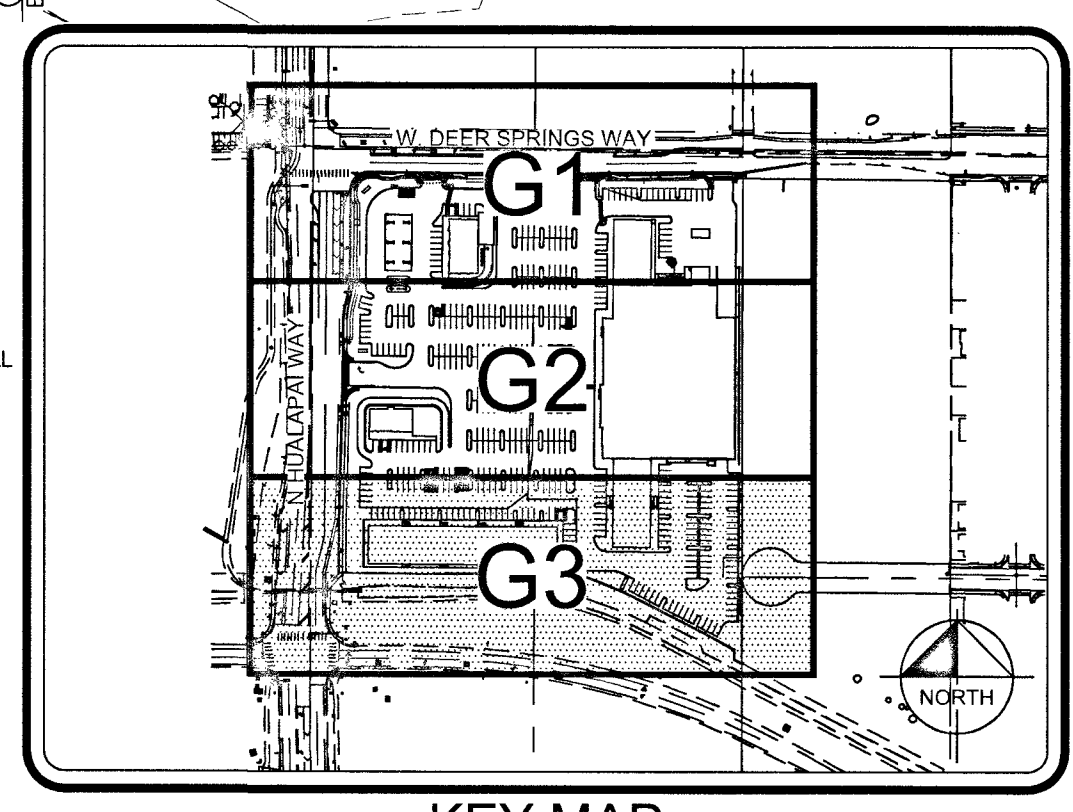
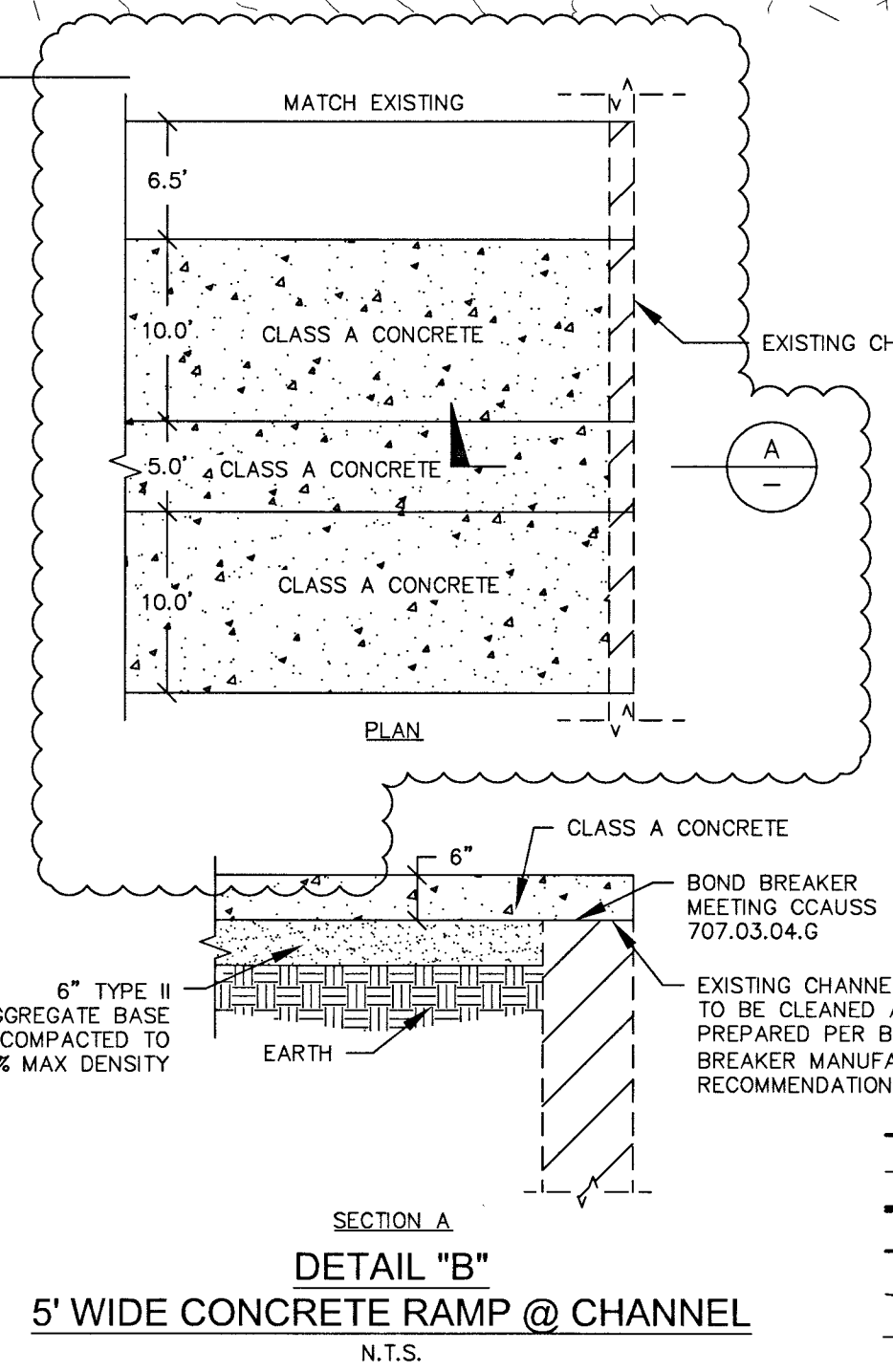
1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF THE CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES 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 THE CLARK COUNTY BUILDING ADMINISTRATIVE CODE 24.40 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 NVRI00000, SECTION III.A.5.
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 NVRI00000, SECTION III.A.12.
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.

LINE TABLE			
LINE	LENGTH	BEARING	
L1	141.18	N89°27'56.45"W	
L2	51.98	N79°15'38.89"W	
L3	100.00	N89°27'56.45"W	
L4	73.77	N81°27'04.99"E	
L5	73.77	N81°27'04.99"E	
L6	150.99	N89°15'40.64"E	
L7	67.74	N89°27'56.45"W	
L8	669.44	N0°04'08.34"E	
L9	136.43	N0°04'08.34"E	
L10	153.21	S62°30'17.00"E	
L11	339.21	N89°32'44.04"W	
L12	88.23	N0°19'19.00"E	
L13	87.55	N0°19'19.00"E	
L14	136.93	N0°19'19.00"E	

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	25.00'	39.36'	90°12'45"	25.09'
C2	17.00'	3.03'	101°12'18"	1.52'
C3	33.00'	5.88'	101°12'18"	2.95'
C4	1120.00'	174.40'	8°55'19"	87.38'
C5	95.00'	30.17'	18°11'42"	15.21'
C6	105.00'	33.34'	18°11'42"	16.81'

CONSTRUCTION NOTES

1. CONSTRUCT "L" TYPE CURB & GUTTER PER CCAUSD NO. 216
2. CONSTRUCT "A" TYPE CURB PER CCAUSD NO. 219
3. CONSTRUCT 4" SIDEWALK PER CCAUSD NO. 234
4. CONSTRUCT STANDARD AC PAVEMENT PER SOILS REPORT BY WESTERN TECHNOLOGIES INC. SEE DETAIL "1" ON SHEET D3
5. CONSTRUCT HEAVY AC PAVEMENT PER SOILS REPORT BY WESTERN TECHNOLOGIES INC. SEE DETAIL "2" ON SHEET D3
6. CONSTRUCT PIPE PENETRATION PER DETAIL "4" ON SHEET D3
7. CONSTRUCT TRASH ENCLOSURE PER SEPARATE ARCHITECTURAL PLANS & DETAILS (BY OTHERS)
8. CONSTRUCT 0" CURB
9. TRANSITION FROM 6" CURB TO 0" CURB PER DETAIL "5" ON SHEET D3
10. CONSTRUCT ON-SITE ADA RAMP CASE II WITH HANDRAILS WHERE APPLICABLE PER DETAIL "7" ON SHEET D3
11. INSTALL 18" RCP CLASS III STORM DRAIN PIPE
12. EXPOSED BUILDING FOOTING PER SEPARATE STRUCTURAL PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)
13. INSTALL 48"x48" DROP INLET PER JENSEN PRECAST NO. D4848 OR APPROVED EQUIVALENT, SEE DETAIL 9 ON SHEET D3
14. CONSTRUCT 6" MAX RETAINING WALL PER PLANS & DETAILS BY OTHERS (PER SEPARATE PERMIT)
15. INSTALL RINKER STORMCEPTOR (STC 450) WITH LID PER DETAIL "10" ON SHEET D2 AND MANUFACTURERS SPECIFICATIONS
16. INSTALL 2.0' CONCRETE FLUME PER DETAIL "14" ON SHEET D3
17. CONSTRUCT 2.0' (8" CMU OR EQUIVALENT) HIGH SOLID GROUTED SCREEN WALL PER SNBORS B-100-1 OR SEPARATE STRUCTURAL PLANS BY OTHERS
18. CONSTRUCT 42" HANDRAIL - SEE ARCH PLANS FOR DETAILS
19. CONSTRUCT PRECAST BUMPER BLOCK PER CCAUSD DWG NO. 238
20. INSTALL ROOF DRAINS TO SPILL TO GRADE WITH SPLASHBLOC PER GROCERY ARCH PLANS
21. INSTALL 18" RCP THROUGH RETAINING WALL PER DETAILS BY OTHERS
22. CONSTRUCT 6" SCREEN WALL PER ARCH PLANS & DETAILS BY OTHERS
23. PROVIDE 48" X 16" BLOCK WALL NOTCH OUT FOR EMERGENCY OVERFLOW - SEE DETAIL "A" ON SHEET G3
24. CONSTRUCT 4.0' (8" CMU OR EQUIVALENT) HIGH SCREEN WALL PER SNBORS B-100-1 OR SEPARATE STRUCTURAL PLANS BY OTHERS
25. CONSTRUCT MODIFIED ROLL CURB #2 PER DETAIL "17" ON SHEET G0



LEGEND

PROPERTY LINE	SCARP
STREET CENTERLINE	SLOPE
RETAINING WALL	FLOW LINE
BUILDING	EASEMENT LINE
EXISTING CONTOUR	HANDICAP PARKING
CONTOUR	FINISHED SURFACE
CURB & GUTTER	CURB FACE
CURB	CURB BACK
EXISTING EDGE OF PAVEMENT	EDGE OF PAVEMENT
EXISTING CURB & GUTTER	TOP OF GRATE
EXISTING CURB	GRADE
EXISTING BUILDING	EXISTING GRADE
CONSTRUCTION NOTE	EXPOSED FOOTING
CUT FILL TRANSITION	BLDG WALL TO RETAIN
SAWCUT LIMITS	

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT, DS 4902.

TREASEA WOLF, P.E. No. 17879 DATE 5-24-18

CLV#: 107Y5072 L17-00759

DEER SPRINGS VILLAGE

© SEC DEER SPRINGS & HUALAPAI

GRADING PLAN 3

10 OF 19 SHEETS

• G3

Kimley»Horn

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6671 LAS VEGAS BLVD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM

1 MAILBOX RELOCATION, RETAINING WALLS, REMOVED SHOPS B DOOR, ADDED PAVEMENT TRANSITION UPDATED TRANSFORMER & ADDED MODIFIED ROLL CURB, UPDATED STORMCEPTOR

NO. DATE BY

5-24-18

Plotfile: B:\2105\2105.dwg User: jld\jld Date: 05/08/2018 01:33:21pm Sheet: 1 of 19
This document, together with the plans and specifications, is intended to be used for the purpose of construction and shall be read in conjunction with the plans and specifications. It is the responsibility of the contractor to ensure that the plans and specifications are followed and that the work is completed in accordance with the plans and specifications. No part of this document shall be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without permission in writing from the engineer of record.

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KIMLEY-HORN AND ASSOCIATES, INC. 6671 LAS VEGAS BLVD. S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600 WWW.KIMLEY-HORN.COM

REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ASSUMPTION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

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6. THIS PROJECT IS NOT PART OF AN EXISTING COMMERCIAL SUBDIVISION.

7. 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 THE VEGETATION.

8. ALL WORK SHALL CONFORM TO THE SOILS REPORT PREPARED BY WESTERN TECHNOLOGIES, DATED FEBRUARY 9, 2017 PROJECT NO. 4126J030.

9. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST EDITION.

10. FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE TOP OF THE GUTTER (INCLUDING OPEN GRADE).

11. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.

12. THIS PLAN SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY ALL APPLICABLE GOVERNMENT AGENCIES.

13. ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.

14. MATCH ELEVATIONS SHOWN TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

15. OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

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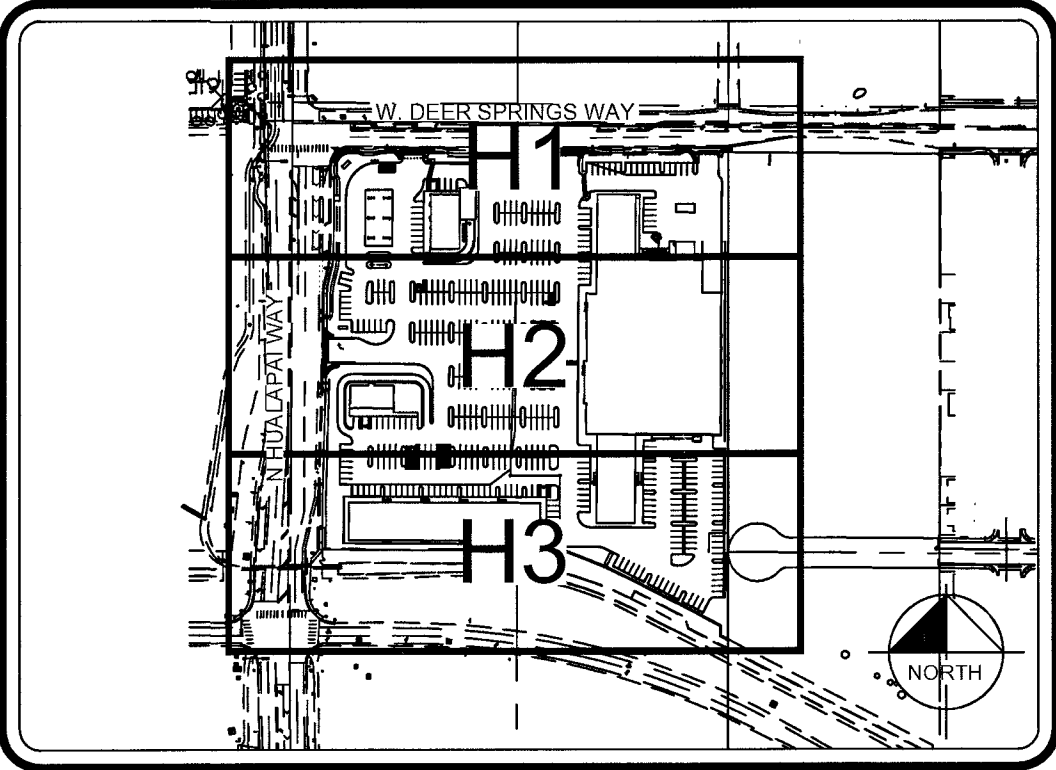
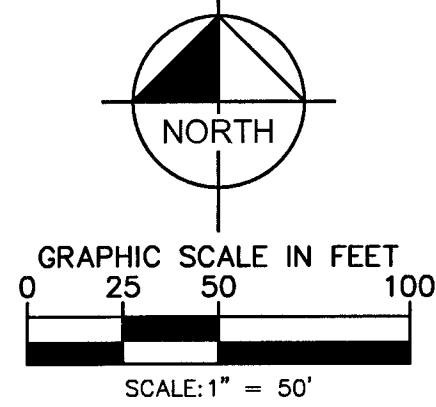
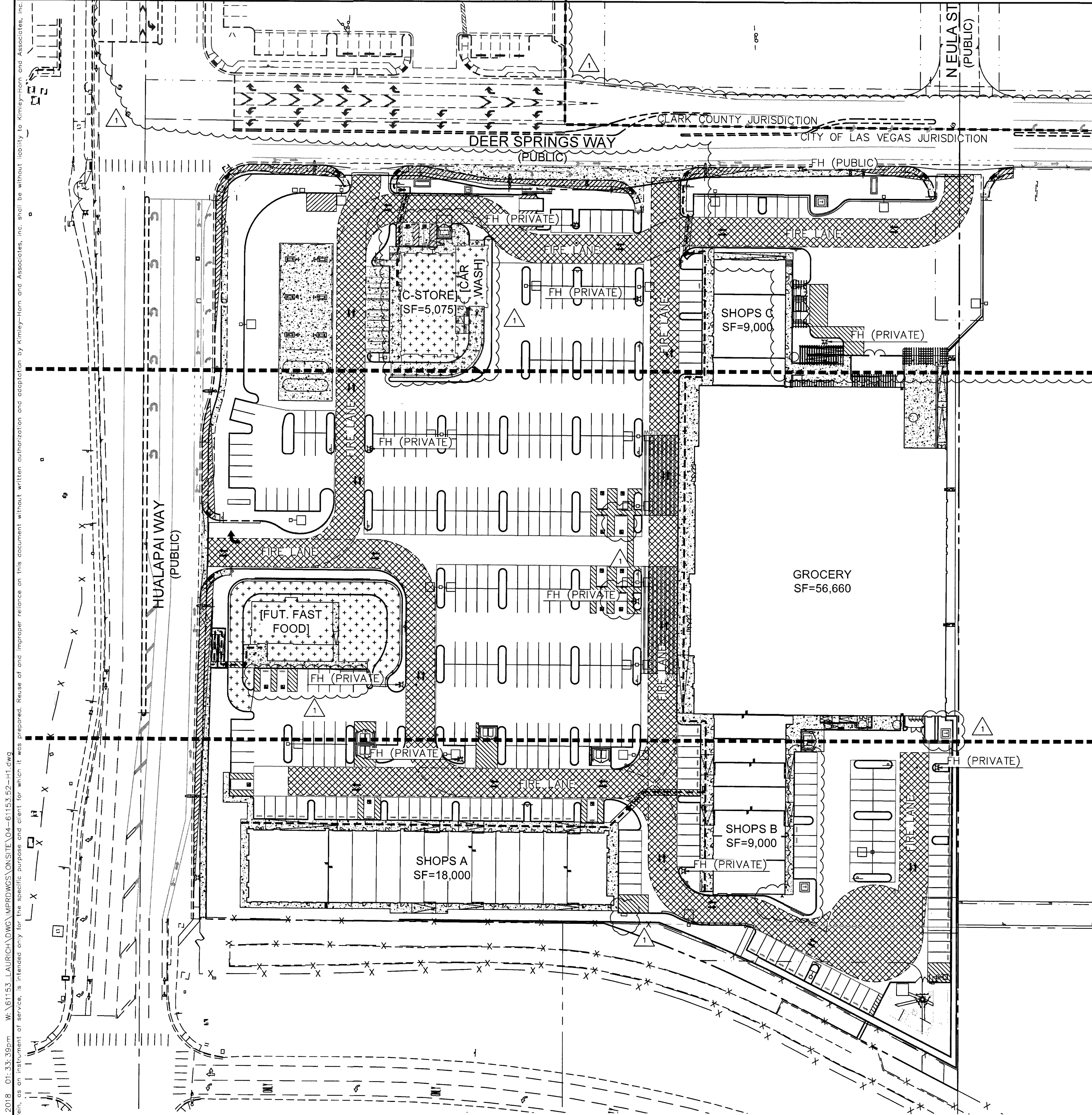
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KEY MAP
N.T.S.

FIRE LANE LEGEND

- SEE SHEET C1 FOR FULL ABBREVIATIONS AND MASTER LEGEND.
- INDICATES RED PAINTED CURB WITH "NO PARKING FIRE LANE" PAINTED EVERY 50 FT. PER LVFR GUIDELINES
 - ADA ROUTE TO PUBLIC R/W
 - INDICATED LOCATION OF FIRE LANE SIGNS TO BE PLACED AT ENTRANCES. FIRE LANE SIGNS SHALL CONFORM TO LVFR GUIDELINES (SEE DETAIL THIS SHEET)
 - PROPOSED BLUE REFLECTIVE PAVEMENT MARKER
 - INDICATES FIRE HYDRANT
 - INDICATES EXISTING FIRE HYDRANT
 - INDICATES FIRE LANE FLOW DIRECTION
 - INDICATES FDC
 - SIGHT VISIBILITY ZONE
 - INDICATES NEW FIRE LANE LIMITS
 - TURNING RADIUS (TYPICAL)

CITY OF LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 2,500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL BASED ON:

	SHOPS A	SHOPS B	SHOPS C	C-STORE	FAST FOOD	GROCERY STORE
REQ'D FIRE FLOW	1,875	1,500	1,500	2,000	1,500	2,500
SQUARE FOOTAGE	18,000	900	6,280	5,075	2,400	56,660
LARGEST AREA BETWEEN AREA SEPARATION WALLS	N/A	N/A	N/A	N/A	N/A	N/A
HEIGHT	38	32	32	31	28	—
TYPE OF CONSTRUCTION	V-B	V-B	V-B	V-B	V-B	IIIB
SPRINKLER SYSTEM	YES	YES	YES	NO	NO	YES
OCCUPANCY	A2/M	A2/M	A2/M	M	A2	—
NO. OF STORIES	1	1	1	1	1	1
HIGH PILED STORAGE	NO	NO	NO	NO	NO	YES
CHEMICAL ADDITIVES	NO	NO	NO	N/A	N/A	NO

PAVEMENT MARKERS

INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS ADJACENT TO THE FIRE HYDRANT ON ALL IMPROVED FIRE APPARATUS ACCESS ROADWAYS WITH HARD SURFACES, INCLUDING BOTH PUBLIC AND PRIVATE ROADS, STREETS OR FIRE LANE.

- ON ROADWAYS WITH NO PARKING PERMITTED ON THE HYDRANT SIDE EIGHT (8) FEET FROM THE FACE OF THE CURB ON THE HYDRANT SIDE.
- ON ROADWAYS WITH PARKING PERMITTED ON THE HYDRANT SIDE SIXTEEN (16) FEET FROM THE FACES OF THE CURB ON THE HYDRANT SIDE.

ACCESSIBILITY NOTES:

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- MAXIMUM SLOPE IN ACCESSIBLE PARKING STALL LOADING AISLES IN 2.0% IN ANY DIRECTION.
- PROVIDE ACCESSIBLE PARKING STALL SIGNAGE FOR STANDARD AND VAN ACCESSIBLE STALLS PER NRS 484.408.
- ACCESSIBLE STALLS SHALL BE 9'-0" WIDE X 20'-0" LONG (18'-0" WITH PERMITTED OVERHANG). ACCESSIBLE STALL LOADING AISLES ARE 5'-0" WIDE X THE ENTIRE LENGTH OF THE PARKING STALL (8'-0" WIDE FOR VAN ACCESSIBLE SPACES).

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LEGEND & ABBREVIATIONS

SEE COVER SHEET FOR MASTER LEGEND AND ABBREVIATIONS.

LEGAL DESCRIPTION

SEE COVER SHEET FOR FULL LEGAL DESCRIPTION.

BENCHMARK

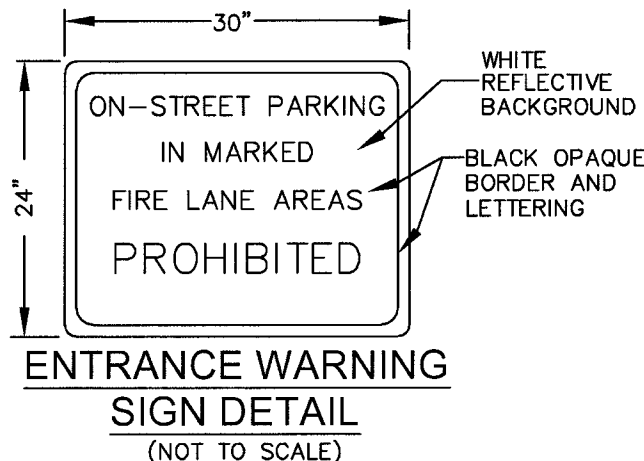
BENCHMARK: 12LV99 24E4: A RIVET AND ROUND ALUMINUM PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF HUALAPAI WAY AND DEER SPRINGS WAY = 858.066m = 2815.17ft. (NAVD 88)

BASIS OF BEARINGS

NORTH 89°47'00" WEST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) SECTION 19, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., COUNTY OF CLARK, STATE OF NEVADA



R1-1 STOP SIGN
(NOT TO SCALE)

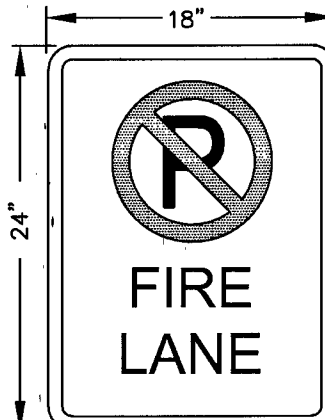


ACCESSIBLE PARKING



VAN ACCESSIBLE

ACCESSIBLE STALL SIGN
(NOT TO SCALE)



ON-SITE FIRE LANE SIGN DETAIL
(NOT TO SCALE)

CITY OF LAS VEGAS
FIRE DEPARTMENT APPROVAL

BY: *[Signature]* DATE: 5/14/18

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

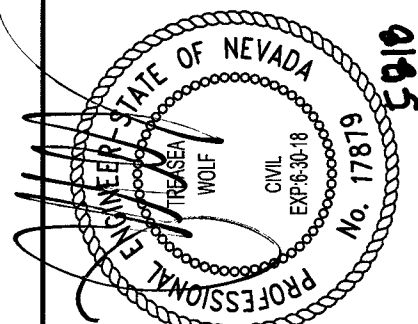
FIRE FLOW 2,500 GPM AT 20 PSI RESIDUAL.

CLV#: 107Y5072

L17-00759

Kimley»Horn

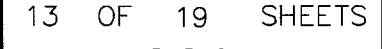
© 2018 KIMLEY-HORN AND ASSOCIATES, INC.
6671 LAS VEGAS BLVD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM



KHA PROJECT
61153.52
DATE
NOV. 9, 2017
SCALE AS SHOWN
DESIGNED BY JZ
DRAWN BY JZ
CHECKED BY TW

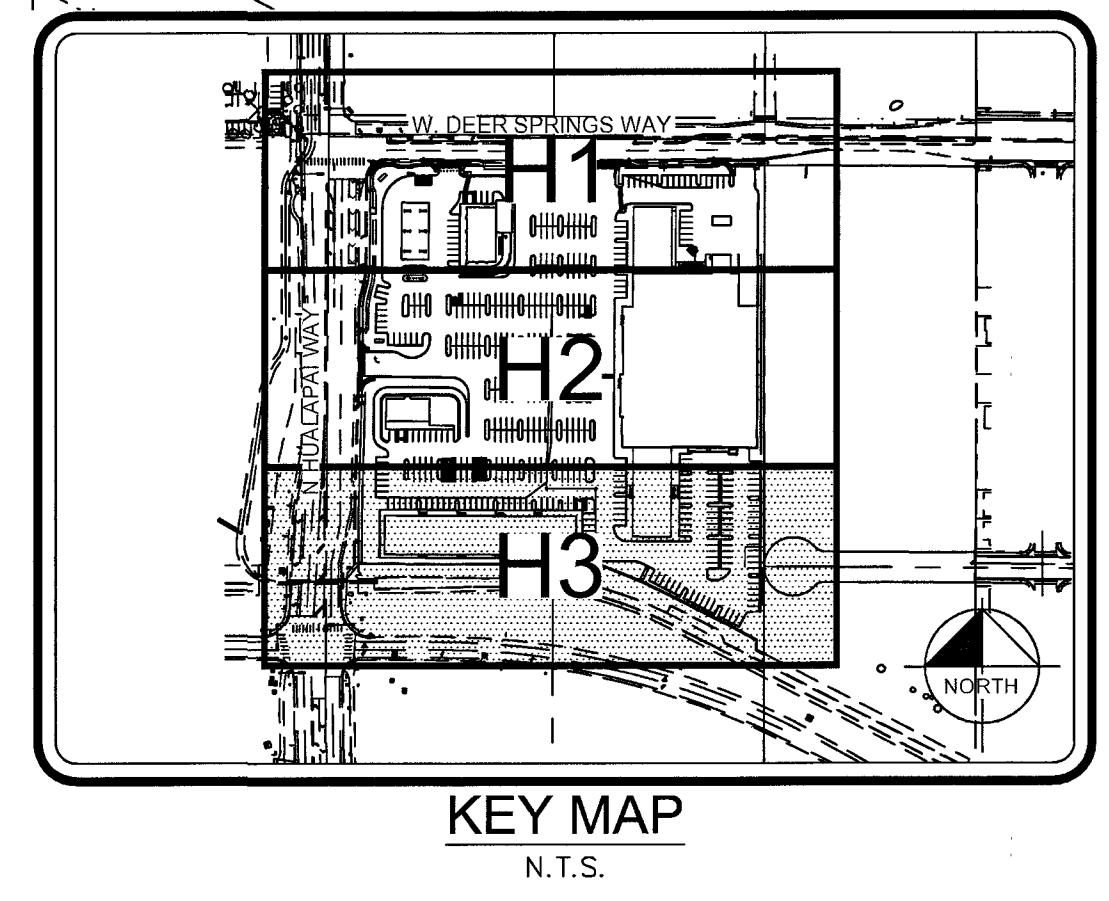
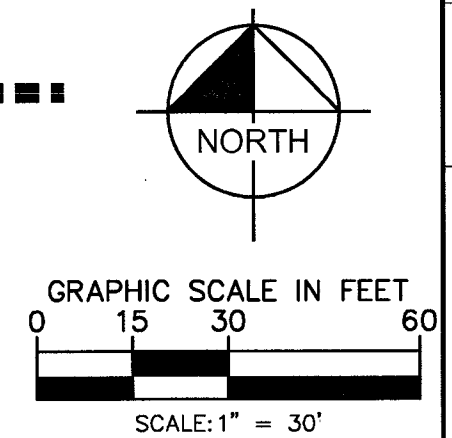
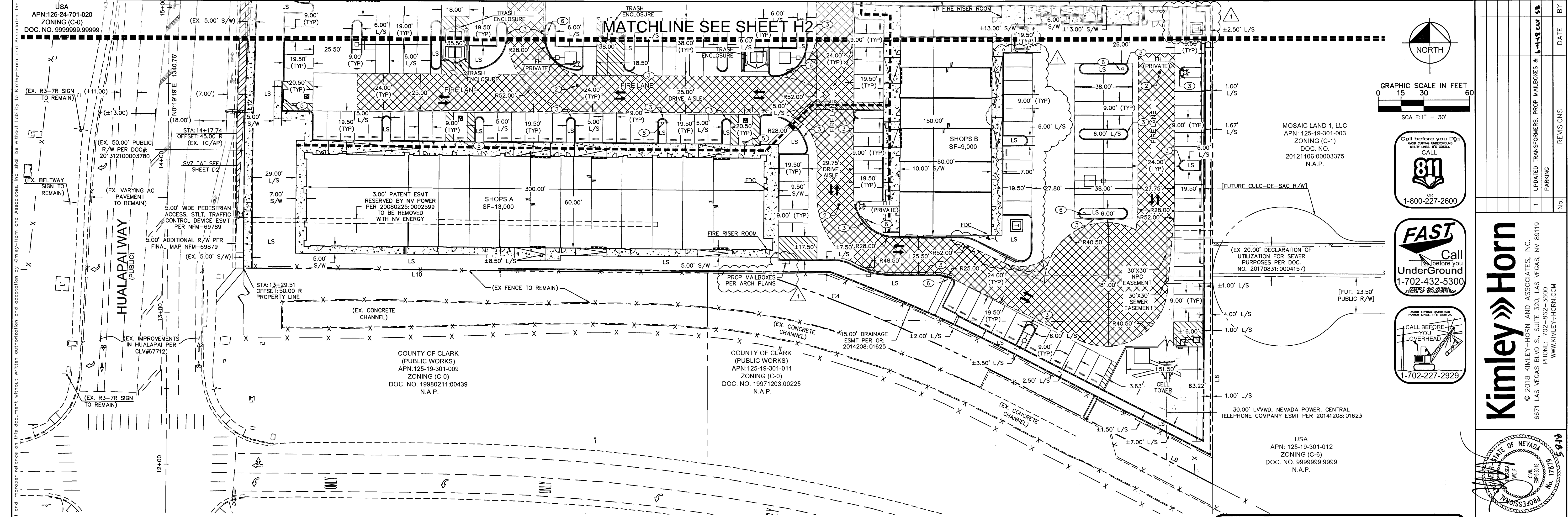
HORIZONTAL CONTROL &
FIRE PLAN OVERALL

DEER SPRINGS VILLAGE
© SEC DEER SPRINGS & HUALAPAI



CLV#: 107Y5072 L17-00759

14 OF 19 SHEETS



PAVEMENT MARKERS

INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS ADJACENT TO THE FIRE HYDRANT ON ALL IMPROVED FIRE APPARATUS ACCESS ROADWAYS WITH HARD SURFACES, INCLUDING BOTH PUBLIC AND PRIVATE ROADS, STREETS OR FIRE LANE.

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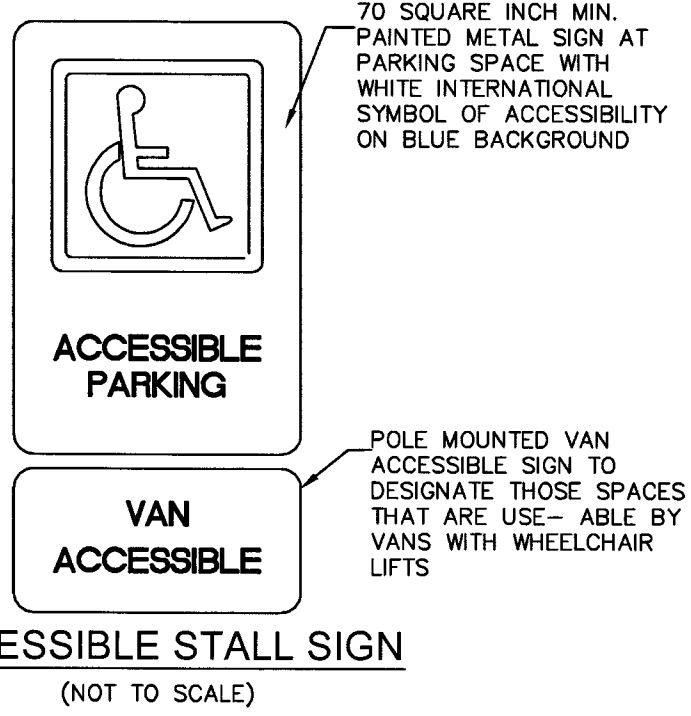
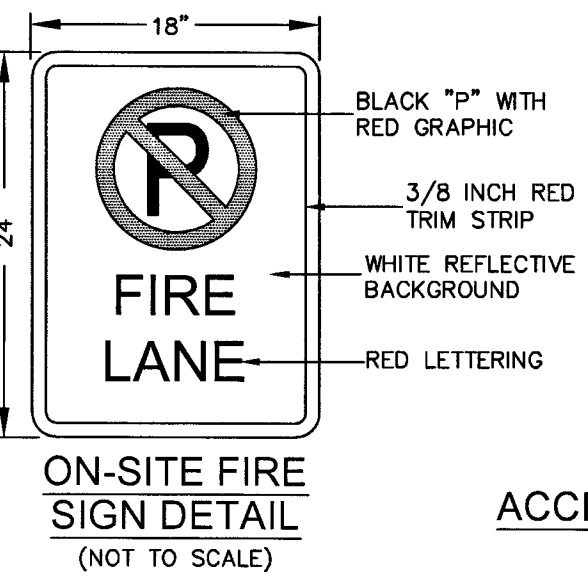
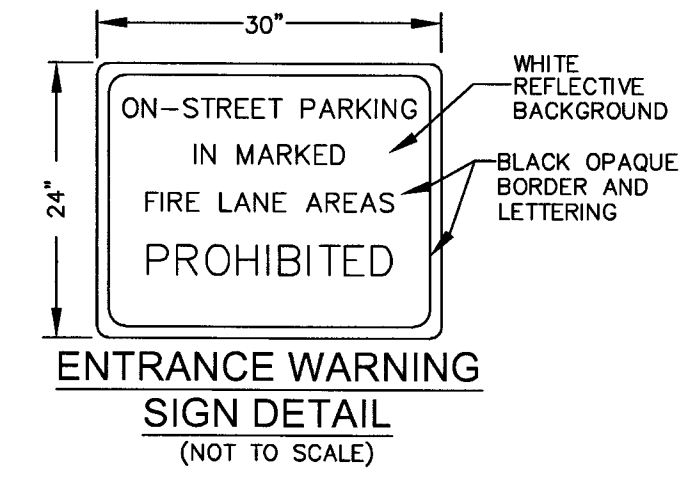
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FIRE LANE LEGEND

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 - INDICATES NEW FIRE LANE LIMITS
 - TURNING RADIUS (TYPICAL)

ON-SITE SIGNAGE NOTES

- INSTALL BLUE REFLECTIVE PAVEMENT MARKER IN THE FIRE LANE ADJACENT TO FIRE HYDRANT
- PAINT CURB RED & STENCIL IN WHITE PAINT "FIRE LANE - NO PARKING"
- INSTALL ADA SIGN PER DETAIL THIS SHEET (OR EQUIVALENT)
- INSTALL FIRE LANE SIGNS PER CLV STANDARDS, DETAIL ON H SHEETS

LINE TABLE		
LINE	LENGTH	BEARING
L1	141.18	N89°27'56.45"W
L2	51.98	N79°15'38.89"W
L3	100.00	N89°27'56.45"W
L4	73.77	N81°27'04.99"E
L5	150.99	N89°15'40.64"E
L8	136.43	N0°04'08.34"E
L9	153.21	S62°30'17.00"E
L10	339.21	N89°32'44.04"W
L11	88.23	N0°19'19.00"E
L13	87.55	N0°19'19.00"E
L14	136.93	N0°19'19.00"E

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	25.00'	39.36'	90°12'45"	25.09'
C2	17.00'	3.03'	10°12'18"	1.52'
C3	33.00'	5.88'	10°12'18"	2.95'
C4	1120.00'	174.40'	8°55'19"	87.38'
C5	95.00'	30.17'	18°11'42"	15.21'
C6	105.00'	33.34'	18°11'42"	16.81'

CITY OF LAS VEGAS FIRE DEPARTMENT						
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LARGEST AREA BETWEEN AREA SEPARATION WALLS	N/A	N/A	N/A	N/A	N/A	N/A
HEIGHT	38	32	32	31	28	-
TYPE OF CONSTRUCTION	V-B	V-B	V-B	V-B	V-B	III-B
SPRINKLER SYSTEM	YES	YES	YES	NO	NO	YES
OCCUPANCY	A2/M	A2/M	A2/M	M	A2	-
NO. OF STORIES	1	1	1	1	1	1
HIGH PILED STORAGE	NO	NO	NO	NO	NO	YES
CHEMICAL ADDITIVES	NO	NO	NO	N/A	N/A	NO

CITY OF LAS VEGAS
FIRE DEPARTMENT APPROVAL

BY: *[Signature]* DATE: 5/14/18

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FIRE FLOW 2,500 GPM AT 20 PSI RESIDUAL.

Kimley»Horn

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6671 LAS VEGAS BLVD S., SUITE 320, LAS VEGAS, NV 89119
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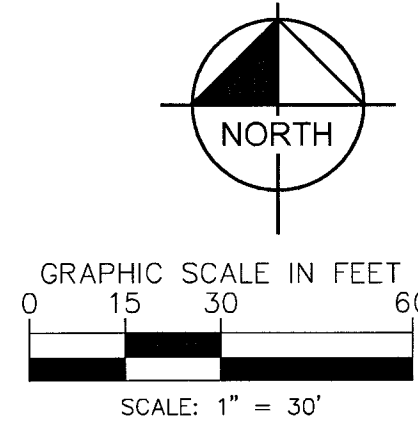
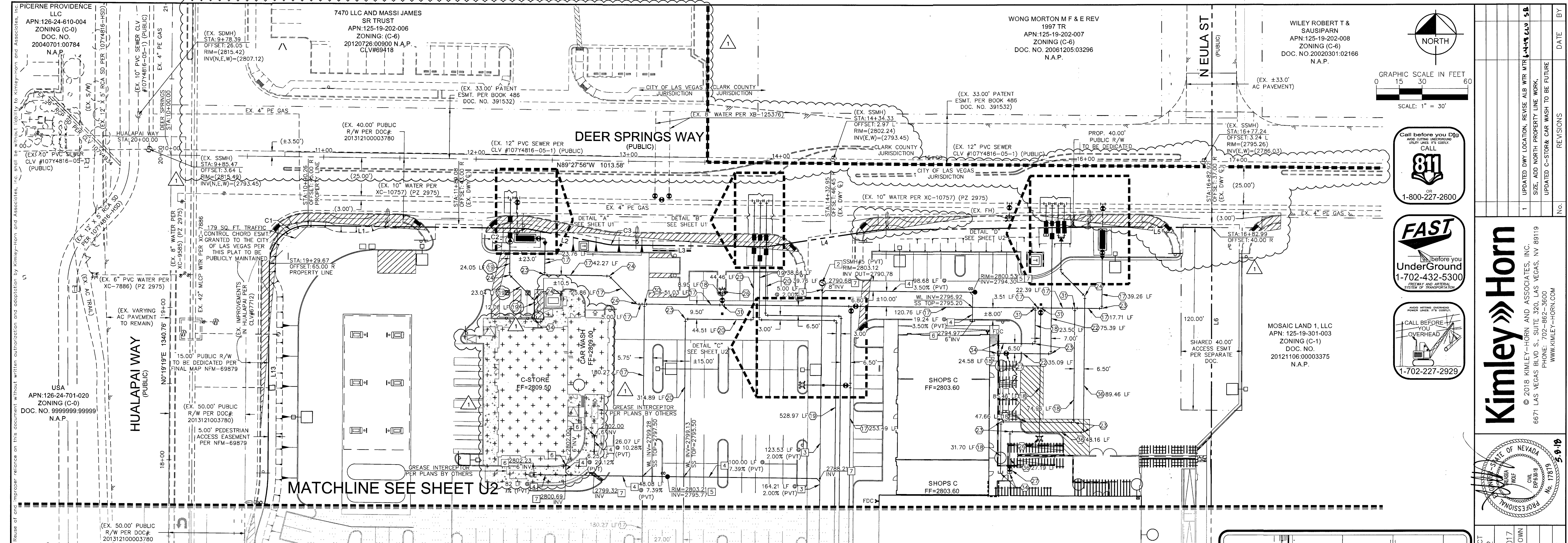
HORIZONTAL CONTROL &
FIRE PLAN 3

DEER SPRINGS VILLAGE
@ SEC DEER SPRINGS & HUALAPAI

15 OF 19 SHEETS
H3

REVISIONS

No.	DATE	BY
1	UPDATED TRANSFORMERS, PROP MAILBOXES & PARKING	CLV

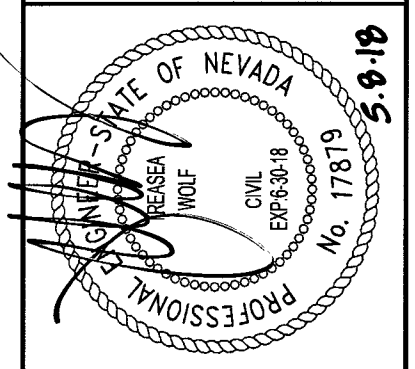


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UnderGround
1-702-432-6300
FAST
CALL BEFORE
YOU DIG
1-702-227-2929

NO.	REVISIONS	DATE	BY
1	UPDATED DWY LOCATION, REVISE ALB WTR MTR		
2	SIZE, ADD NORTH PROPERTY LINE WORK,		
3	UPDATED C-STOR& CAR WASH TO BE FUTURE		

Kimley»Horn
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6671 LAS VEGAS BLVD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM



KHA PROJECT	61553.52
DATE	NOV. 9, 2017
SCALE	AS SHOWN
DESIGNED BY	JZ
DRAWN BY	JZ
CHECKED BY	TW

UTILITY PLAN 1

DEER SPRINGS VILLAGE
@ SEC DEER SPRINGS & HUALAPAI
16 OF 19 SHEETS
• U1

- ### NOTES
- 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 LOCATION. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER.
 - CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
 - ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.
 - ALL SEWER LENGTHS SHOWN ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
 - ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
 - SEE ARCHITECTURAL PLANS FOR ALL CONNECTION DETAILS AT THE BUILDING.
 - SEE LANDSCAPE PLANS BY OTHERS FOR ALL IRRIGATION AND LANDSCAPING INFORMATION.
 - SEE PLANS BY ELECTRICAL ENGINEER, NV ENERGY, COX, CENTURY LINK & SW GAS FOR ALL DRY UTILITY INFORMATION.

LEGAL DESCRIPTION

SEE COVER SHEET FOR FULL LEGAL DESCRIPTION

BENCHMARK

BENCHMARK: 12LV99 24E4: A RIVET AND ROUND ALUMINUM PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF HUALAPAI WAY AND DEER SPRINGS WAY = 858.066m = 2815.17ft. (NAVD 88)

BASIS OF BEARINGS

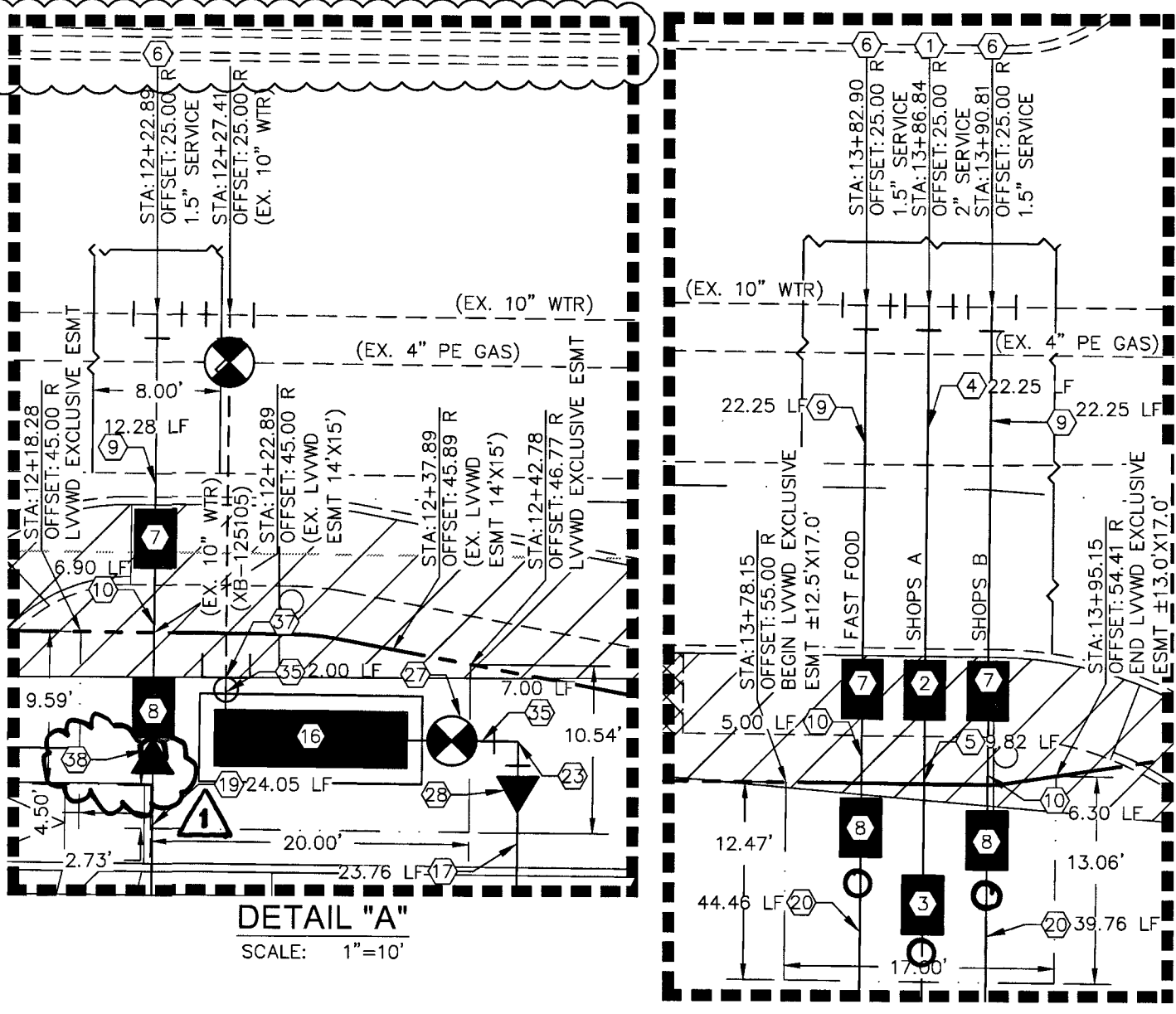
NORTH 89°47'00" WEST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) SECTION 19, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., COUNTY OF CLARK, STATE OF NEVADA

SIGHT VISIBILITY ZONES NOTE

NO WALLS, FENCES, TREES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM THE TOP OF CURB.

NOTES

ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSOURED DURING CONSTRUCTION.



LINE TABLE

LINE	LENGTH	BEARING
L1	141.18	N89°27'56.45"W
L2	51.98	N79°15'38.89"W
L3	100.00	N89°27'56.45"W
L4	73.77	N81°27'04.99"E
L5	67.74	N89°27'56.45"W
L6	669.44	N0°04'08.34"E
L7	136.43	N0°04'08.34"E
L8	153.21	S62°30'17.00"E
L9	339.21	N89°32'44.04"W
L10	88.23	N0°19'19.00"E
L11	225.06	S1°35'41.91"W
L12	87.55	N0°19'19.00"E
L13	136.93	N0°19'19.00"E

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	25.00'	39.36'	90°12'45"	25.09'
C2	17.00'	3.03'	10°12'18"	1.52'
C3	33.00'	5.88'	10°12'18"	2.95'
C4	1120.00'	174.40'	8°55'19"	87.38'
C5	95.00'	30.17'	18°11'42"	15.21'

WATER CONSTRUCTION NOTES

- INSTALL 2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE NO. 4, SEE DETAIL 16 ON SHEET D2
- INSTALL 2" BADGER RECORDALL DISC METER PER UDACS PLATE NO. 4
- INSTALL 2" RPPA PER UDACS PLATE NO. 8
- INSTALL 2" COPPER WATER LINE (PUBLIC)
- INSTALL 2" BRASS WATER LINE (PUBLIC)
- INSTALL 1.5" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE NO. 4, SEE DETAIL 16 ON SHEET D2
- INSTALL 1.5" BADGER RECORDALL DISC METER PER UDACS PLATE NO. 4
- INSTALL 1.5" RPPA PER UDACS PLATE NO. 8
- INSTALL 1.5" COPPER WATER LINE (PUBLIC)
- INSTALL 1.5" BRASS WATER LINE (PUBLIC)
- INSTALL 10" RPDA PER UDACS PLATE NO. 59
- INSTALL 8" PVC FIRE WATER LINE (PRIVATE)
- INSTALL 6" PVC FIRE WATER LINE (PRIVATE)
- INSTALL 2" PVC DOMESTIC WATER LINE (PRIVATE)
- INSTALL 1.5" PVC DOMESTIC WATER LINE (PRIVATE)
- INSTALL 1" PVC DOMESTIC WATER LINE (PRIVATE)
- INSTALL 90° BEND SAME SIZE AS LINE PER UDACS PLATE 31
- INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE 31
- INSTALL GATE VALVE SAME SIZE AS LINE PER UDACS PLATES NO. 30 & 39
- INSTALL GATE VALVE SAME SIZE AS LINE PER UDACS PLATES NO. 30 & 39
- INSTALL 10"x8" REDUCER WITH THRUST BLOCK PER UDACS PLATE NO. 30
- INSTALL 8"x8" TEE PER UDACS PLATE NO. 31
- INSTALL 8"x6" TEE PER UDACS PLATE NO. 31
- STUB & CAP - SEE PLUMBING PLANS FOR CONTINUATION
- INSTALL 10" PVC FIRE WATER LINE (PUBLIC)

- INSTALL 3" PVC DOMESTIC WATER LINE (PRIVATE)
- REMOVE CAP & CONNECT PROPOSED 10" WATER LINE (PUBLIC)
- 2"x1.5" REDUCER PER UDACS PLATE NO. 30

SEWER CONSTRUCTION NOTES

- INSTALL 48" DIA. SANITARY SEWER MANHOLE PER DCSWCS SD-1A, SD-5 & SD-4
- INSTALL 8" PVC (SDR-35 SEWER MAIN PER DCSWCS SD-18 & SD-17
- INSTALL 6" PVC SDR-35 SEWER LATERAL PER SD-22
- INSTALL 6" CLEAN OUT PER SD-26 (TRAFFIC RATED LID)
- STUP & CAP - SEE PLUMBING PLANS FOR CONTINUATION
- INSTALL WYE & 45° BEND PER SD-22

SOUTHWEST GAS APPROVAL
ORIGINAL SIGNATURE
SOUTHWEST GAS CORPORATION
DATE: 1/5/18

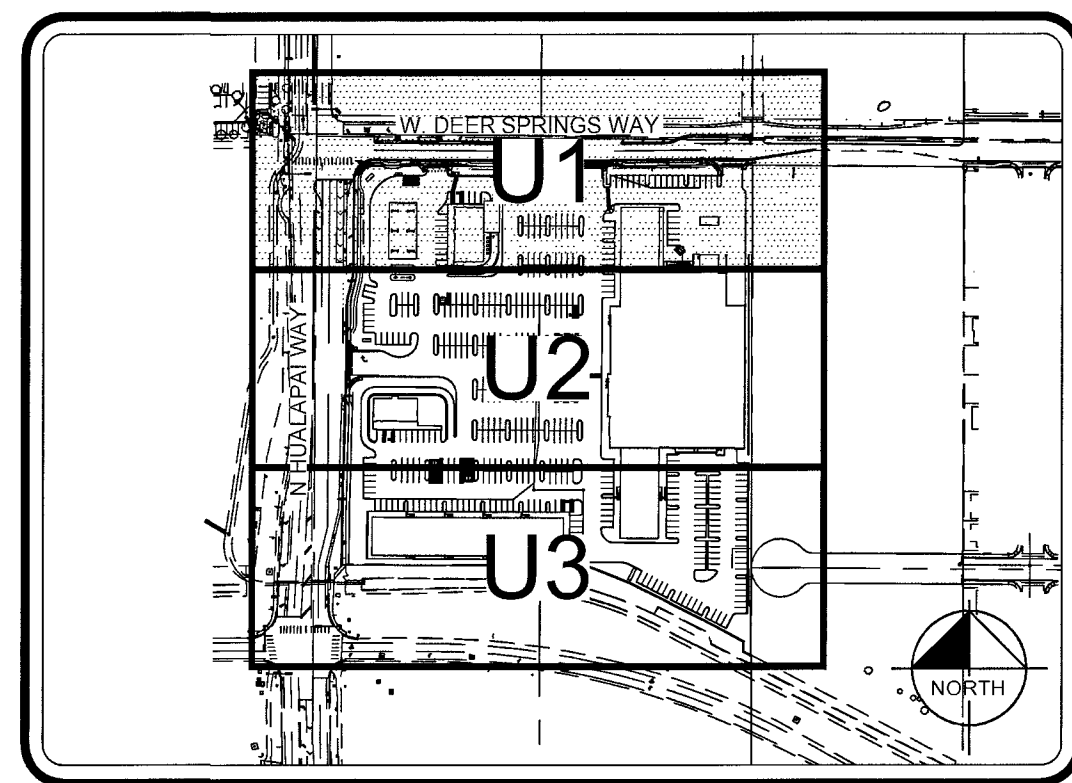
FIRE WATER AT DOMESTIC WATER CROSSING
ALL NON-POTABLE FIRE WATER LINES CROSSING POTABLE DOMESTIC WATER LINES ARE TO BE INSTALLED WITH "A" VERTICAL SEPARATION OF NO LESS THAN 6 INCHES, AND IN ACCORDANCE WITH UDACS 2.23.01, 2.04.03, 2.22.02.B1 AND 2.22.02.B2."

REDUCED PRESSURE DETECTOR ASSEMBLY- (2) 10"

THE REDUCED PRESSURE DETECTOR ASSEMBLY(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 59. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW LVWD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 2" DOM. (5) 1.5" DOM. (1) 1" DOM. & (1) 1.5" IRRIG. A

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE ADJACENT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.



LEGEND

	EXISTING	PROPOSED
WATER LINE	---	---
SEWER LINE	---	---
GAS LINE	---	---
STORM DRAIN LINE	---	---
POWER LINE (OVERHEAD)	---	---
FIRE HYDRANT	---	---
WATER VALVES	---	---
REDUCER	---	---
SEWER MANHOLE	---	---
STORM DRAIN MANHOLE	---	---
CLEANOUT	---	---

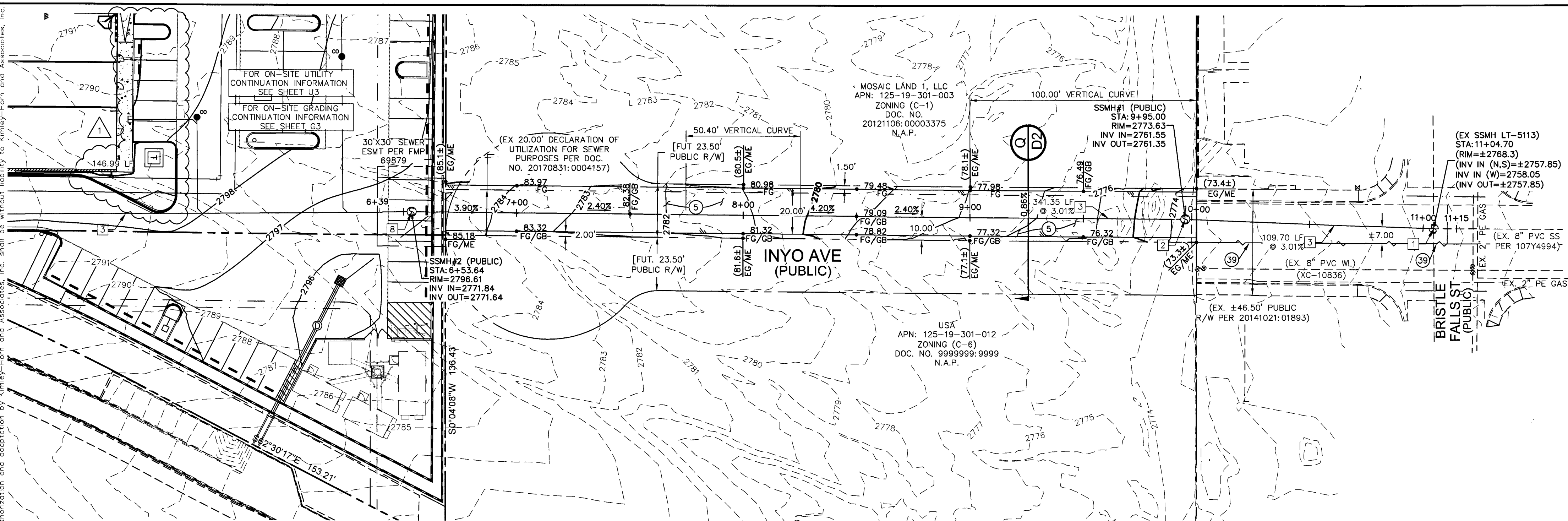
APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 125896 FIRST APPROVED DATE: 12/21/17
LVWD-APPROVED FIRE FLOW: 2,500 GPM AT 20 PSI RESIDUAL

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL
BY: [Signature] DATE: 5/4/18
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

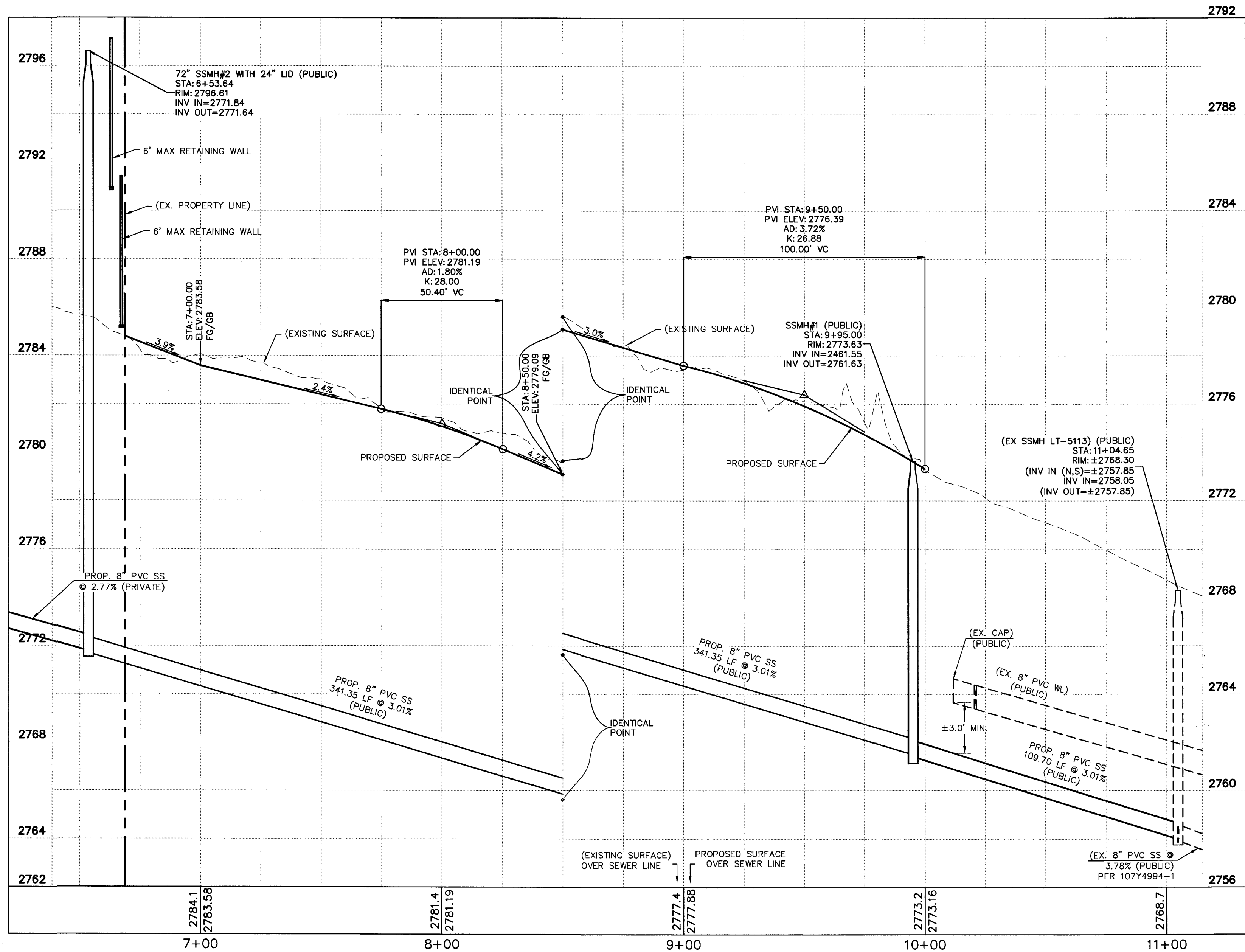
FIRE FLOW 2,500 GPM AT 20 PSI RESIDUAL

CLV#: 107Y5072 L17-00759

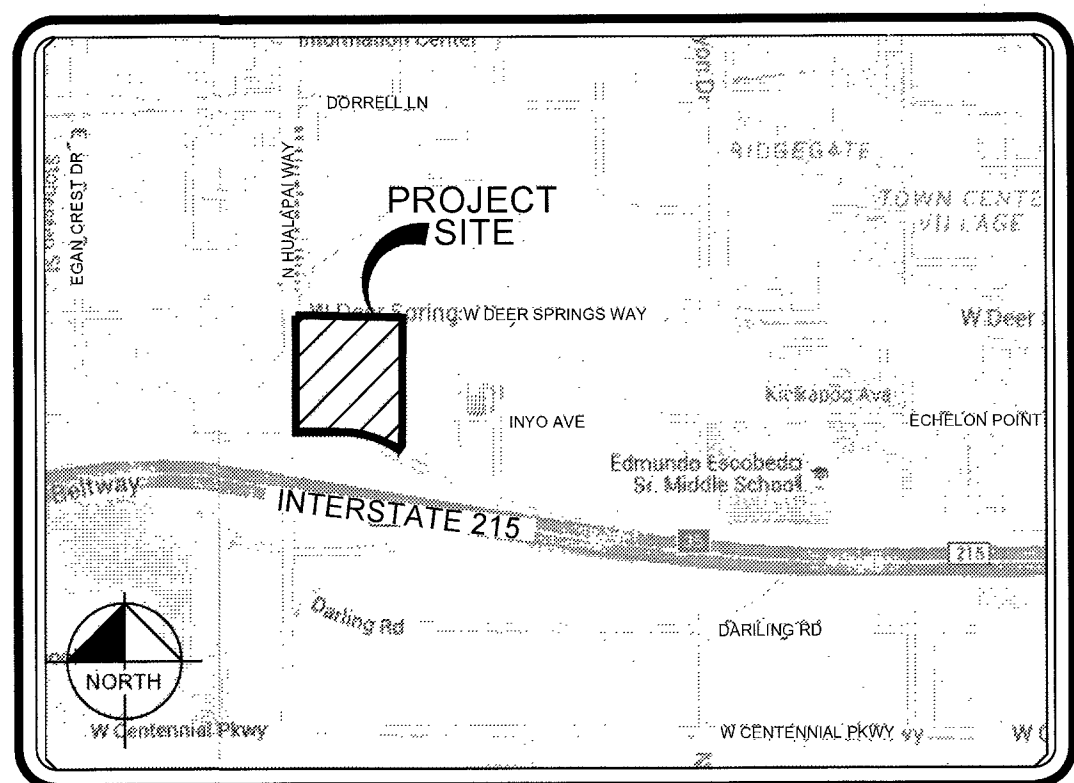
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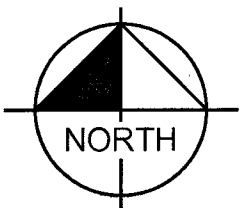
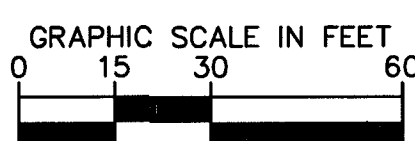
INYO - PLAN VIEW
STA: 6+39.00 TO STA: 11+15.00
SCALE: 1"=30'



INYO SEWER - PROFILE
STA: 6+39.00 TO STA: 11+15.00
SCALE: 1"=30' - HORIZ
1"=3' - VERT



VICINITY MAP
N.T.S.



SEWER CONSTRUCTION NOTES

- CONTRACTOR TO VERIFY INVERT OF EXISTING SEWER MAIN PRIOR TO COMMENCING CONSTRUCTION
- INSTALL 48" DIA. SANITARY SEWER MANHOLE PER DCSWCS SD-1A, SD-5 & SD-4
- INSTALL 8" PVC (SDR-35 SEWER MAIN PER DCSWCS SD-16 & SD-17
- INSTALL 72" DIA. SANITARY SEWER MANHOLE PER DCSWCS SD-1A, SD-5 & SD-4 WITH 24" SINGLE LID

CONSTRUCTION NOTES

- CONSTRUCT HEAVY AC PAVEMENT PER SOILS REPORT BY WESTERN TECHNOLOGIES INC. SEE DETAIL "2" ON SHEET D3
- SAWCUT AND MATCH EXISTING

NOTES:

- ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
- OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSOBEURED DURING CONSTRUCTION.
- ENGINEER'S NOTES:**
- ALL WORK SHALL CONFORM TO THE SOILS REPORT PREPARED BY TERRACON, DATED 12/09/2016, NO. 64165132.
 - ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" LATEST EDITION.
 - FINAL ASPHALTIC CONCRETE (AC PAVEMENT SURFACES SHALL BE FLUSH WITH THE LIP OF GUTTER (INCLUDING OPEN GRADE).
 - CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
 - THIS PLAN SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY ALL APPLICABLE GOVERNMENT AGENCIES.
 - ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
 - MATCH ELEVATIONS SHOWN TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
 - THIS PROJECT IS PART OF AN EXISTING COMMERCIAL SUBDIVISION.
 - ALL ON-SITE STORM DRAINS AND THE ASSOCIATED STORM WATER FACILITIES ARE PRIVATELY OWNED AND PRIVATELY MAINTAINED.

BENCHMARK

BENCHMARK: 12LV99 24E4: A RIVET AND ROUND ALUMINUM PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF HUALAPAI WAY AND DEER SPRINGS WAY = 858.066m = 2815.175ft. (NAVD 88)

BASIS OF BEARING

NORTH 89°47'00" WEST, BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) SECTION 19, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., COUNTY OF CLARK, STATE OF NEVADA

FLOOD ZONE NOTE

THIS PROJECT IS LOCATED IN SHADED ZONE X PER FEMA FLOOD INSURANCE MAP NUMBERS 32003C2553F & 32003C255F4, DATED NOVEMBER 16, 2011. SHADED FLOOD ZONE X IS DEFINED AS AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTH OF LESS THAN 1 FOOT OR WITH DRAINAGE AREA LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

SIGHT VISIBILITY ZONES NOTE

NO WALLS, FENCES, TREES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM THE TOP OF CURB.

SOUTHWEST GAS APPROVAL

ORIGINALLY SIGNED: 1/15/18
DATE: 1/15/18
SOUTHWEST GAS CORPORATION

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NUMBER: 125896 FIRST APPROVED DATE: 12/21/17
CLV#: 107Y5072 L17-00759

Kimley»Horn

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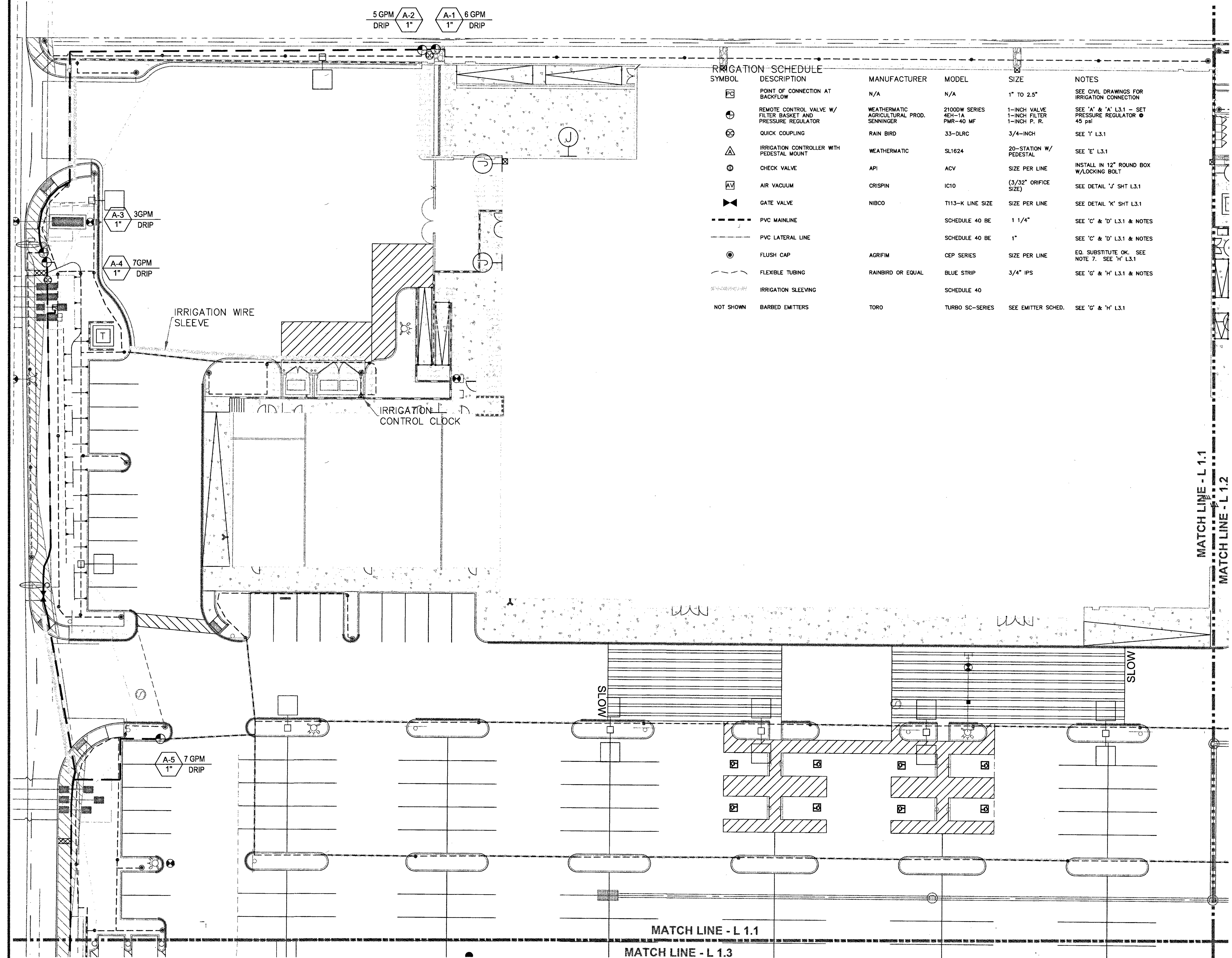
KHA PROJECT: 61153-52
DATE: NOV. 9, 2017
SCALE: AS SHOWN
DESIGNED BY: JZ
DRAWN BY: JZ
CHECKED BY: TW

INYO SEWER
PLAN & PROFILE

DEER SPRINGS VILLAGE
@ SEC DEER SPRINGS & HUALAPAI

19 OF 19 SHEETS
P1

PROJ#: 125896 AGR: 116521 QS: 125-19-SW



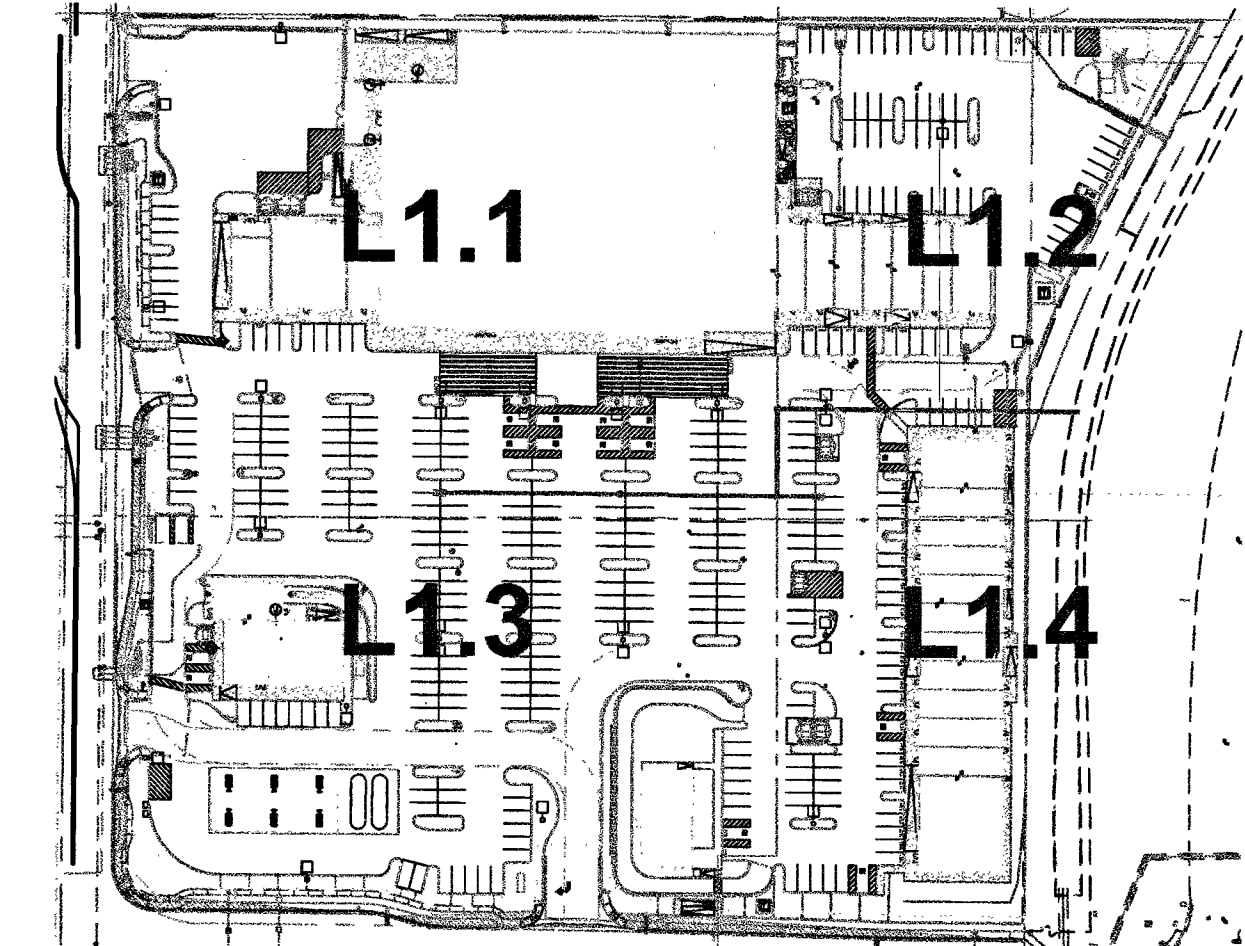
EMITTER SCHEDULE

PLANT	MFR.	MODEL	QTY.	G.P.H.
EXISTING TREES	TORO	TURBO SC PLUS-RED	VARIES	
FAN PALM	TORO	TURBO SC PLUS-RED	8-12	2.0
36" BOX	TORO	TURBO SC PLUS-RED	16-20	2.0
24" BOX	TORO	TURBO SC PLUS-RED	12-14	2.0
15 GAL SHRUB	TORO	TURBO SC PLUS-BLACK	5-7	1.0
5 GAL	TORO	TURBO SC PLUS-BLACK	3-4	1.0
1 GAL	TORO	TURBO SC PLUS-BLACK	3	1.0
BLACK FOOT	TORO	TURBO SC PLUS-BLACK	3	1.0
DAISY	TORO	TURBO SC PLUS-BLACK	3	1.0

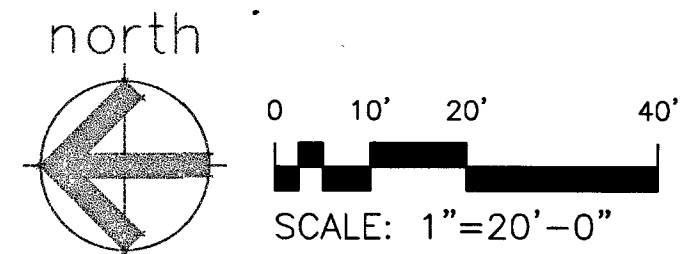
NOTES

- THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY. WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE OR PAVED AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS.
- IRRIGATION CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE POWER SOURCE FOR IRRIGATION CONTROLLER.
- IRRIGATION CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO STARTING WORK. PROVIDE AN ALTERNATE BID COST FOR BACKFLOW DEVICE AND ENCLOSURE, AS THE UNIT MAY ALREADY BE EXISTING OR PROVIDED BY CIVIL.
- COORDINATE IRRIGATION PLAN WITH PLANTING PLAN AND UTILITY PLANS. PLACE IRRIGATION LINES AWAY FROM OTHER UTILITIES AND TREES WHEN POSSIBLE.
- DISCREPANCIES BETWEEN THE DRAWINGS AND SITE SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION BEFORE STARTING WORK.
- ANY AND ALL MATERIAL OR EQUIPMENT SUBSTITUTIONS TO BE APPROVED BY THE LANDSCAPE ARCHITECT.
- EMITTERS TO THE BLACK FOOT DAISY SHALL BE (3) THREE 0.5 GPM SEE EMITTER SCHEDULE ABOVE.
- EMITTER QUANTITIES ARE SET FOR WHAT IS BEST FOR THE PLANTS. PRIOR TO INSTALLING THE CRUSHED ROCK TURN THE VALVES ON INDIVIDUALLY TO VERIFY THE WET PATTERN AROUND THE PLANTS. THE SOIL SHOULD BE WET 360-DEGREES AROUND THE PLANTS. IF DRY SPOTS OCCUR ADJUST THE EMITTER LOCATIONS OR ADD ADDITIONAL EMITTERS. THE LANDSCAPE ARCHITECT IS TO REVIEW THE WET PATTERNS PRIOR TO THE CRUSHED ROCK INSTALLATION (702) 358-8700. PROVIDE A 48 TO 72-HOUR NOTICE FOR ALL SITE VISITS.
- INSTALL FLUSH CAPS AT ALL TERMINATIONS OF BLUE STRIPE TUBING.
- INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

PIPE SIZE	REQUIRED SLEEVING
1" to 2.5" PVC MAINLINE	1 - 4" SCH 40 PVC SLEEVE
1" to 1 1/2" PVC LATERAL	1 - 4" SCH 40 PVC SLEEVE
WIRE QUANTITY	
1 - 20 CONTROL WIRES	1 - 4" SCH 40 PVC SLEEVE



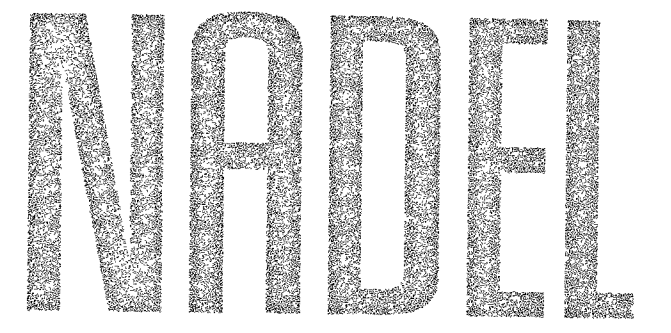
IRRIGATION PLAN





EMITTER SCHEDULE				
PLANT	MFR.	MODEL	QTY.	G.P.H.
EXISTING TREES	TORO	TURBO SC PLUS-RED	VARIABLE	
FAN PALM	TORO	TURBO SC PLUS-RED	8-12	2.0
36" BOX	TORO	TURBO SC PLUS-RED	10-20	2.0
24" BOX	TORO	TURBO SC PLUS-RED	12-14	2.0
15 GAL SHRUB	TORO	TURBO SC PLUS-BLACK	5-7	1.0
5 GAL	TORO	TURBO SC PLUS-BLACK	3-4	1.0
1 GAL	TORO	TURBO SC PLUS-BLACK	3	1.0
BLACK FOOT	TORO	TURBO SC PLUS-BLACK	3	1.0
DAISY	TORO	TURBO SC PLUS-BLACK	3	1.0

- | <u>PIPE SIZE</u> | <u>REQUIRED SLEEVING</u> |
|--------------------------|--------------------------|
| 1" to 2.5" PVC MAINLINE | 1 - 4" SCH 40 PVC SLEEVE |
| 1" TO 1 1/2" PVC LATERAL | 1 - 4" SCH 40 PVC SLEEVE |
| <u>WIRE QUANTITY</u> | |
| 1 - 20 CONTROL WIRES | 1 - 4" SCH 40 PVC SLEEVE |



175 E. WARM SPRINGS ROAD
SUITE 100
LAS VEGAS, NV 89119
T. 702.896.2000
F. 702.896.7170
WWW.NADELARC.COM

DEER SPRINGS
VILLAGE, LLC

DEER SPRINGS
VILLAGE

PUBLIC AGENCY SUBMITTAL:	N/A
ISSUED FOR BIDDING:	N/A
ISSUED FOR CONSTRUCTION:	N/A

REVISIONS:	
ISSUE DESCRIPTION:	ISSUE
NO.:	DATE:

DRAWING TITLE:

IRRIGATION PLAN

L1.3



DEER SPRINGS
VILLAGE, LLC

10655 PARK RUN DRIVE #160
LAS VEGAS, NV 89144

CLIENT PROJECT No: 07-05-2016

DEER SPRINGS
VILLAGE

6750 N HUALAPAI WAY
LAS VEGAS, NV 89149

PUBLIC AGENCY SUBMITTAL: N/A
ISSUED FOR BIDDING: N/A
ISSUED FOR CONSTRUCTION: N/A

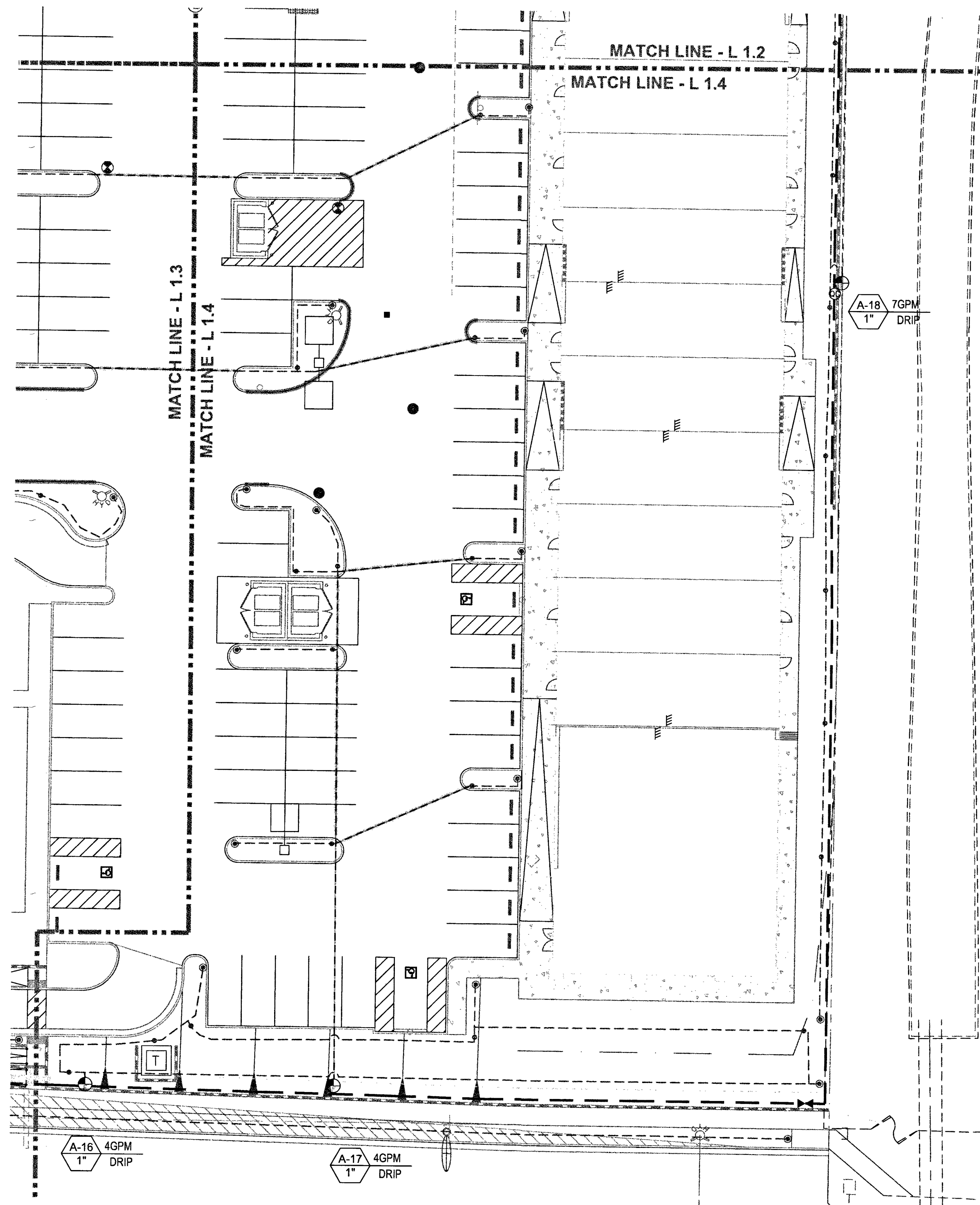
REVISIONS:
ISSUE DESCRIPTION: ISSUE DATE:

NADEL PROJECT No: 18061
PROJECT DATE: 07-05-2017

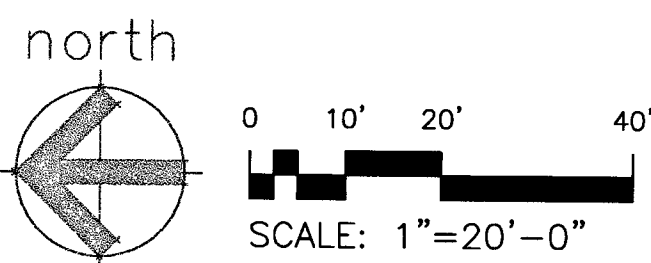
IRRIGATION
PLAN

L11-00759
107X5072

L1.4



IRRIGATION PLAN



IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SIZE	NOTES
PC	POINT OF CONNECTION AT BACKFLOW	N/A	N/A	1" TO 2.5"	SEE CIVIL DRAWINGS FOR IRRIGATION CONNECTION
RV	REMOTE CONTROL VALVE W/ FILTER BASKET AND PRESSURE REGULATOR	WEATHERMATIC AGRICULTURAL PROD. SENNINGER	21000W SERIES 401-1A PMR-40 MF	1-INCH VALVE 1-INCH FILTER 1-INCH P. R.	SEE 'A' & 'A' L3.1 - SET PRESSURE REGULATOR @ 45 psi
QC	QUICK COUPLING	RAIN BIRD	33-DLRC	3/4-INCH	SEE 'Y' L3.1
IC	IRRIGATION CONTROLLER WITH PEDESTAL MOUNT	WEATHERMATIC	SL1624	20-STATION W/ PEDESTAL	SEE 'E' L3.1
CV	CHECK VALVE	API	ACV	SIZE PER LINE	INSTALL IN 12" ROUND BOX W/LOCKING BOLT
AV	AIR VACUUM	CRISPIN	IC10	(3/32" ORIFICE SIZE)	SEE DETAIL 'J' SHT L3.1
GV	GATE VALVE	NIBCO	T113-K LINE SIZE	SIZE PER LINE	SEE DETAIL 'K' SHT L3.1
PM	PVC MAINLINE		SCHEDULE 40 BE	1 1/4"	SEE 'C' & 'D' L3.1 & NOTES
PL	PVC LATERAL LINE		SCHEDULE 40 BE	1"	SEE 'C' & 'D' L3.1 & NOTES
FC	FLUSH CAP	AGRIFIM	CEP SERIES	SIZE PER LINE	EQ. SUBSTITUTE OK. SEE NOTE 7. SEE 'H' L3.1
FT	FLEXIBLE TUBING	RAINBIRD OR EQUAL	BLUE STRIP	3/4" IPS	SEE 'G' & 'H' L3.1 & NOTES
IS	IRRIGATION SLEEVING		SCHEDULE 40		
BE	NOT SHOWN BARBED EMITTERS	TORO	TURBO SC-SERIES	SEE EMITTER SCHED.	SEE 'G' & 'H' L3.1

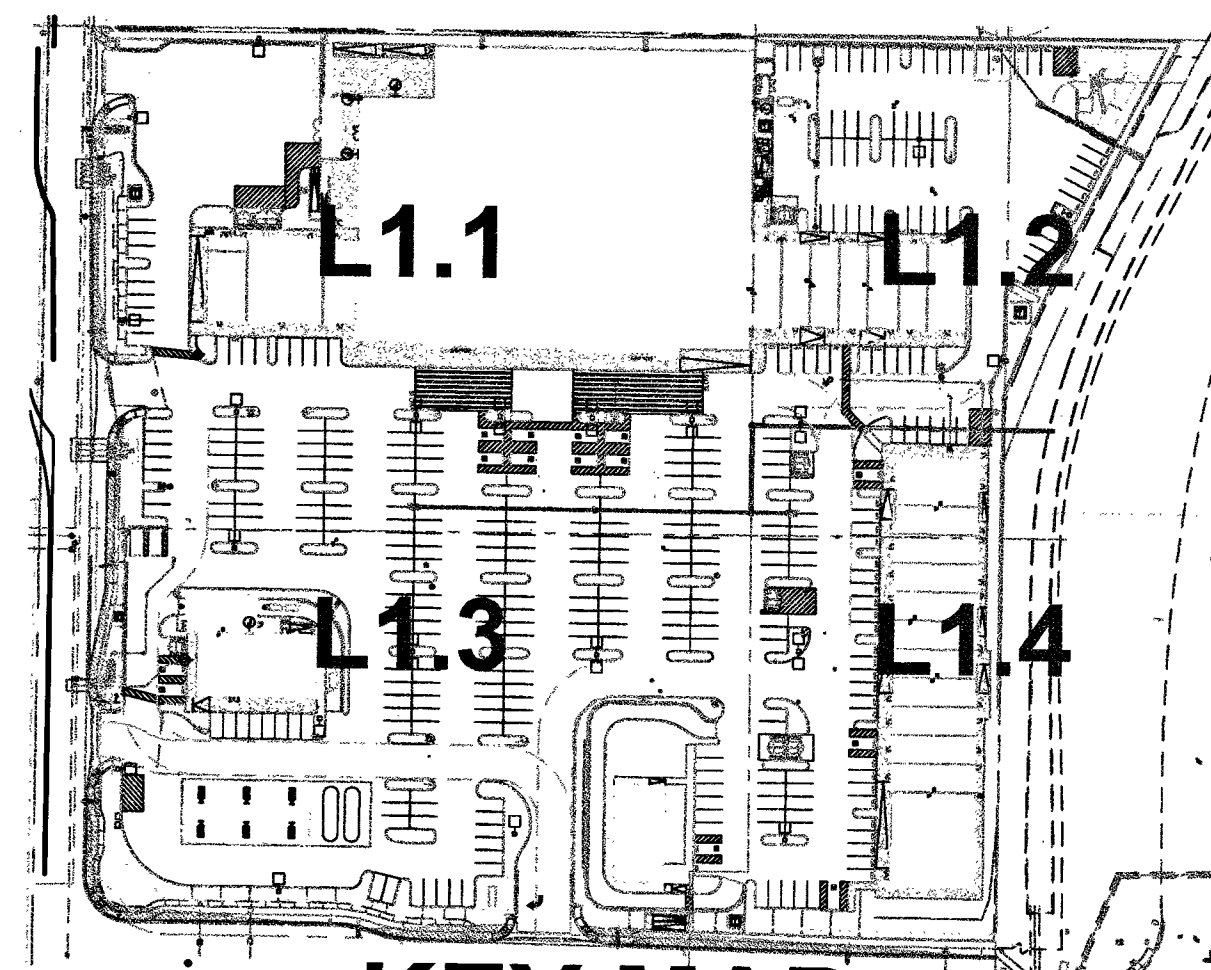
EMITTER SCHEDULE

PLANT	MFR.	MODEL	QTY.	G.P.H.
EXISTING TREES	TORO	TURBO SC PLUS-RED	VARIES	
FAN PALM	TORO	TURBO SC PLUS-RED	8-12	2.0
36" BOX	TORO	TURBO SC PLUS-RED	16-20	2.0
24" BOX	TORO	TURBO SC PLUS-RED	12-14	2.0
15 GAL SHRUB	TORO	TURBO SC PLUS-BLACK	5-7	1.0
5 GAL	TORO	TURBO SC PLUS-BLACK	3-4	1.0
1 GAL	TORO	TURBO SC PLUS-BLACK	3	1.0
BLACK FOOT DAISY	TORO	TURBO SC PLUS-BLACK	3	1.0

NOTES

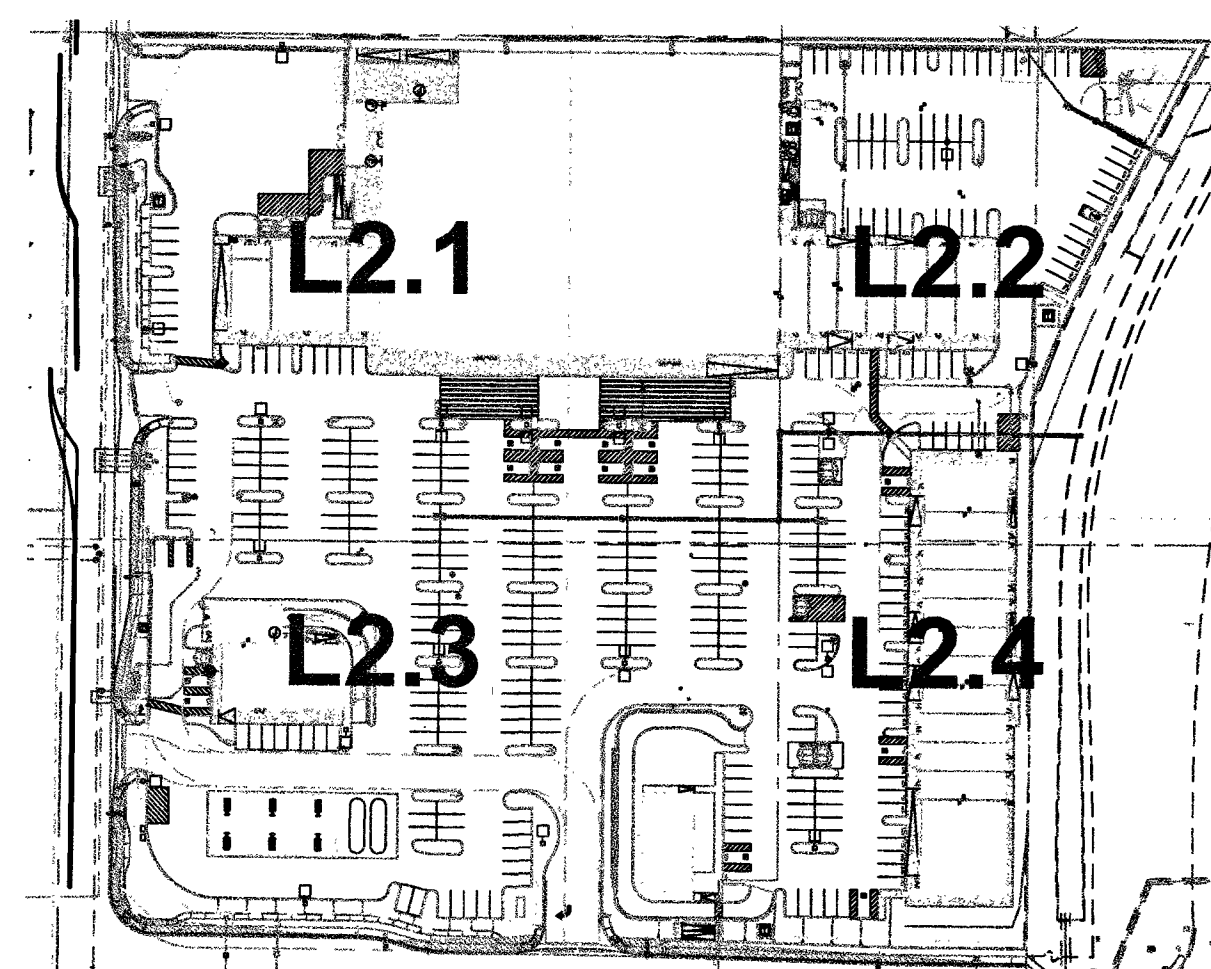
- THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY. WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE OR PAVED AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS.
- IRRIGATION CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE POWER SOURCE FOR IRRIGATION CONTROLLER.
- IRRIGATION CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO STARTING WORK. PROVIDE AN ALTERNATE BID COST FOR BACKFLOW DEVICE AND ENCLOSURE, AS THE UNIT MAY ALREADY BE EXISTING OR PROVIDED BY CIVIL.
- COORDINATE IRRIGATION PLAN WITH PLANTING PLAN AND UTILITY PLANS. PLACE IRRIGATION LINES AWAY FROM OTHER UTILITIES AND TREES WHEN POSSIBLE.
- DISCREPANCIES BETWEEN THE DRAWINGS AND SITE SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION BEFORE STARTING WORK.
- ANY AND ALL MATERIAL OR EQUIPMENT SUBSTITUTIONS TO BE APPROVED BY THE LANDSCAPE ARCHITECT.
- EMITTERS TO THE BLACK FOOT DAISY SHALL BE (3) THREE 0.5 GPH SEE EMITTER SCHEDULE ABOVE.
- EMITTER QUANTITIES ARE SET FOR WHAT IS BEST FOR THE PLANTS. PRIOR TO INSTALLING THE CRUSHED ROCK TURN THE VALVES ON INDIVIDUALLY TO VERIFY THE WET PATTERN AROUND THE PLANTS. THE SOIL SHOULD BE WET 360-DEGREES AROUND THE PLANTS. IF DRY SPOTS OCCUR ADJUST THE EMITTER LOCATIONS OR ADD ADDITIONAL EMITTERS. THE LANDSCAPE ARCHITECT IS TO REVIEW THE WET PATTERNS PRIOR TO THE CRUSHED ROCK INSTALLATION (702) 358-8700. PROVIDE A 48 TO 72-HOUR NOTICE FOR ALL SITE VISITS.
- INSTALL FLUSH CAPS AT ALL TERMINATIONS OF BLUE STRIPE TUBING.
- INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW.

PIPE SIZE	REQUIRED SLEEVING
1" TO 2.5" PVC MAINLINE	1 - 4" SCH 40 PVC SLEEVE
1" TO 1 1/2" PVC LATERAL	1 - 4" SCH 40 PVC SLEEVE
WIRE QUANTITY	
1 - 20 CONTROL WIRES	1 - 4" SCH 40 PVC SLEEVE



KEY MAP

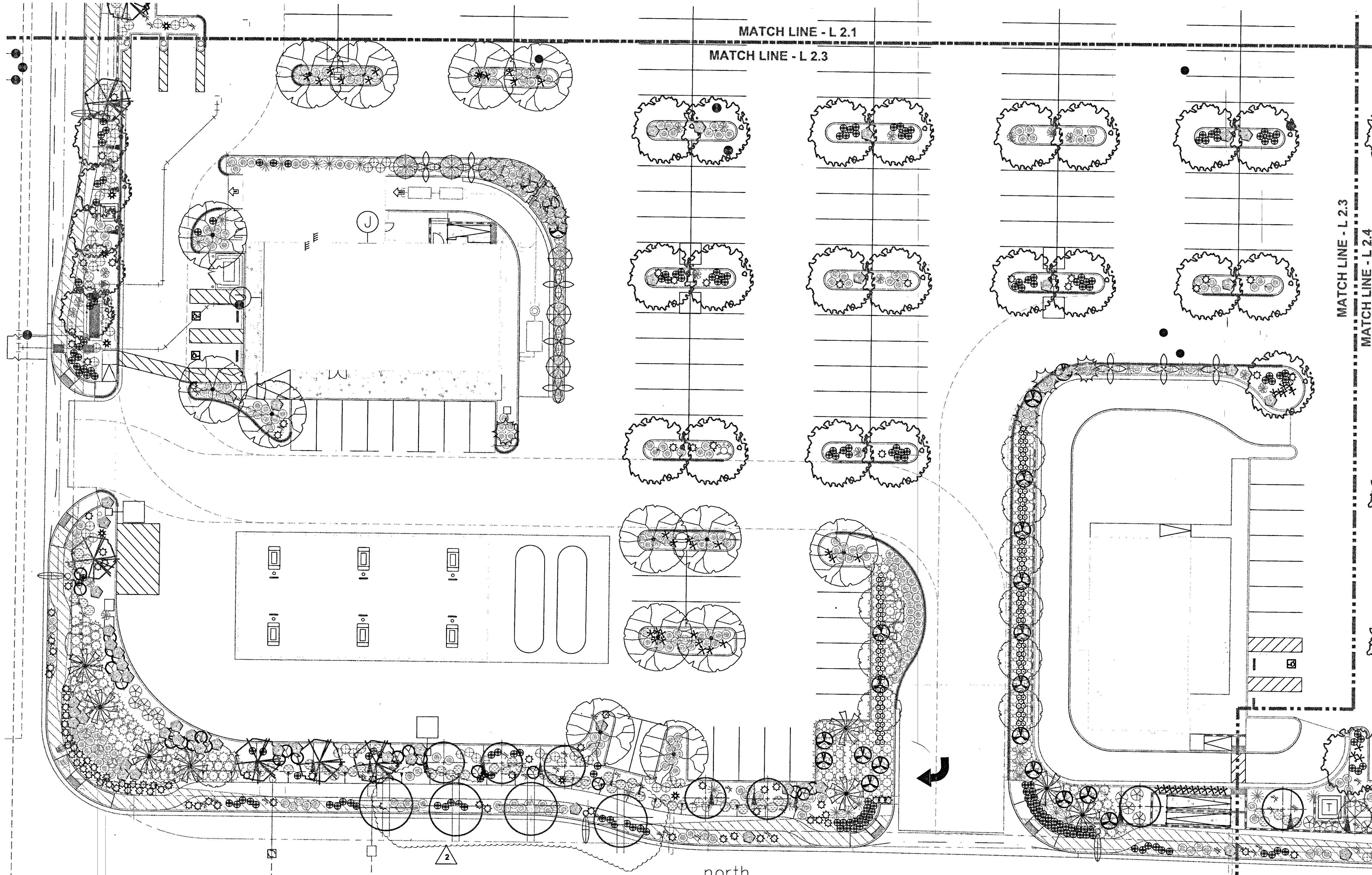
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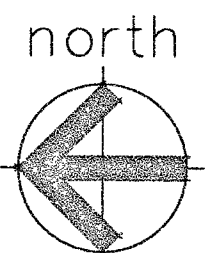
KEY MAP
NTS

PLANT SCHEDULE					
BOTANICAL NAME		COMMON NAME	QTY.	SIZE	REMARKS
TREES					
	ELAEAGNUS DECIPIENS	JAPANESE BLUEBERRY	15	36" BOX	STANDARD TRUNK, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
	BUTIA CAPITATA	PINDO PALM	7	15 GAL.	
	OLEA EUROPAEA 'SWAN HILL'	SWAN HILL OLIVE	57	36" BOX	SEMI-MULTI TRUNK, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
			6	48" BOX SCREEN	
	EBENOPSIS EBANO	TEXAS EBONY	45	24" BOX	STANDARD TRUNK, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
	PISTACIA CHINENSIS	CHINESE PISTACHE	7	24" BOX	STANDARD TRUNK 5' CLEAR OF BRANCHES, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
			3	48" BOX SCREEN	
	QUERCUS ILEX	HOLLY OAK	56	24" BOX	STANDARD TRUNK 5' CLEAR OF BRANCHES, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
			1	48" BOX SCREEN	
	SOPHORA SECUNDIFLORA	TEXAS MOUNTAIN LAUREL	36	24" BOX	MULTI-TRUNK (3 TO 4 TRUNKS)
	WASHINGTONIA FILIFERA	CALIFORNIA FAN PALM	8	12" BROWN TRUNK	ALL TRUNKS ARE TO BE SKINNED STRAIGHT AND EVEN
	WASHINGTONIA ROBUSTA HYBRID	HYBRID MEXICAN FAN PALM	18	18" BROWN TRUNK	ALL TRUNKS ARE TO BE SKINNED STRAIGHT AND EVEN
	XYLOSMA CONGESTUM	SHINY XYLOSMA	6	24" BOX	STANDARD TRUNK 4' CLEAR
SHRUBS					
	CAESALPINIA PULCHERRIMA	RED BIRD OF PARADISE	54	5 GAL.	2
	CYTAS REVOLUTA	SEGO PALM	27	7 GAL.	
	LONGICERA X AMERICANA 'PINK LADY'	PINK PINK HONEYBUCKLE	88	5 GAL.	
	LEUCOPHYLLUM CANADENSE	THUNDER CLOUD	83	5 GAL.	
	RHAPHIOPHLOEOS INDICA 'PINK LADY'	INDIAN HAWTHORN	55	5 GAL.	
	SIMMONDSIA CHINENSIS 'VISTA'	COMPACT JOJOBA	426	5 GAL.	
GROUNDCOVERS					
	MELAMPEDIUM LEUCANTHUM	BLACK FOOT DAISY	317	1 GAL.	
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA	105	1 GAL.	
	TEUCORIUM CHAMAEDRYS	BUSH GERMANDER	771	5 GAL.	

PLANT SCHEDULE SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
ACCENTS					
	AGAVE GEMINIFLORA	TWIN-FLOWERED AGAVE	53	5 GAL	SUBMIT PHOTOS OF AGAVE PRIOR TO PURCHASE FOR APPROVAL
	AGAVE OVATIFOLIA	WHALE'S TONGUE AGAVE	15	5 GAL	SUBMIT PHOTOS OF AGAVE PRIOR TO PURCHASE FOR APPROVAL
	DASYLIRION QUADRANGULATUM	TOOTHLESS SOTOL	37	5 GAL	SUBMIT PHOTOS OF AGAVE PRIOR TO PURCHASE FOR APPROVAL
	DIETES BICOLOR	FORTNIGHT LILY	136	5 GAL	SUBMIT PHOTOS OF AGAVE PRIOR TO PURCHASE FOR APPROVAL
	HEPERALOE PARVIFLORA	RED YUCCA	241	5 GAL	SUBMIT PHOTOS OF AGAVE PRIOR TO PURCHASE FOR APPROVAL
	YUCCA RUPEOLA	TWISTED LEAF YUCCA	128	5 GAL	SUBMIT PHOTOS OF AGAVE PRIOR TO PURCHASE FOR APPROVAL
MATERIALS					
	GRANITE BOULDERS: MEDIUM TO DARK BROWN COLORING	BOULDER SIZES NOTED BELOW IN NOTE #2	77		SEE DETAIL "B" FOR INSTALLATION APPLICATION
	RIP RAP: APACHE BROWN	MAX: 75% 4"-10" & 25% 1"-4"			SEE DETAIL "C" FOR INSTALLATION APPLICATION
	CRUSHED ROCK: APACHE BROWN	ROCK SIZE 1 1/2" SCREEN, ROCK DEPTH 2 1/2"			SEE DETAIL "D" FOR INSTALLATION APPLICATION
NOTES:					
1. DECORATIVE 3/4"-1" MINUS 'MOHAVE GOLD' CRUSHED ROCK TO 2-INCH DEPTH IN ALL PLANTING BEDS.					
2. GRANITE BOULDERS: MEDIUM TO DARK BROWN COLORING, SIZES 20-24" DIA. 25%, 24-30" DIA. 50%, 30-36" DIA. 25%, SET 1/4 OF THE BOULDERS INTO THE FINISH GRADE.					
3. PRUNING OF TREES SHALL BE DIRECTED ON SITE WITH THE LANDSCAPE ARCHITECT TO THIN OUT AND ADJUST THE SHAPE OF TREES.					
4. FOLLOW TREE AND SHRUB PLANTING GUIDELINES FOR TREE HOLE DEPTH AND SPAN WITH DETAILS "K, L, & M"					
5. THE LANDSCAPE ARCHITECT IS TO APPROVE ALL TREES PRIOR TO PLANTING, PROVIDE 72 NOTICE.					
6. THE LANDSCAPE ARCHITECT IS TO APPROVE ALL TREE HOLES PRIOR TO PLANTING ANY TREES, PROVIDE 72 NOTICE.					



PLANTING PLAN



0 10' 20' 40'
SCALE: 1"=20'-0"

NADEL

NADEL NEVADA INC
175 E. WARM SPRINGS ROAD
SUITE 100
LAS VEGAS, NV 89115
T. 702.896.2000
F. 702.896.7170
WWW.NADELARC.COM

PROFESSIONAL STAMP(S)
REGISTERED LANDSCAPE ARCHITECT
STATE OF NEVADA
318
10-2-17
Expires: 8-30-18
CONSULTANT:

HILL
CLARK
& ASSOCIATES
LANDSCAPE ARCHITECTURE
94 Megan Drive
Henderson, NV 89074
P: (702) 358-8700

CLIENT:
DEER SPRINGS
VILLAGE, LLC

10655 PARK RUN DRIVE #160
LAS VEGAS, NV 89144
CLIENT PROJECT No: 07-05-2016

PROJECT:
DEER SPRINGS
VILLAGE

6750 N HUALAPAI WAY
LAS VEGAS, NV 89149

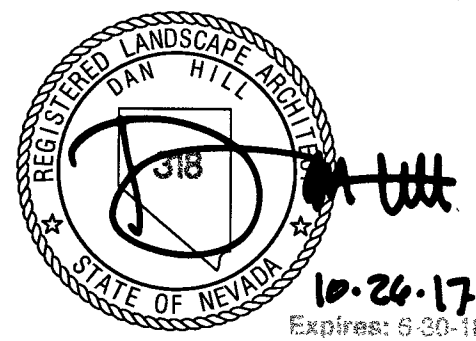
PUBLIC AGENCY SUBMITTAL: N/A
ISSUED FOR BIDDING: N/A
ISSUED FOR CONSTRUCTION: N/A

REVISIONS:	ISSUE DATE:
1 Plan Check Comments 08-18-2017	
2 Plan Check Comments 10-24-2017	

NADEL PROJECT No: 16061
PROJECT DATE: 07-05-2017
ISSUE: 07-05-2017
DRAWING TITLE:

PLANTING
PLAN

L17-00759
107X5072
L2.3



94 Megan Drive
Henderson, NV 89074
P: (702) 358-8700

CLIENT:

DEER SPRINGS
VILLAGE, LLC

10655 PARK RUN DRIVE #160
LAS VEGAS, NV 89144

CLIENT PROJECT No: 07-05-2016

PROJECT:

DEER SPRINGS
VILLAGE

6750 N HUALAPAI WAY
LAS VEGAS, NV 89149

PUBLIC AGENCY SUBMITTAL: N/A

ISSUED FOR BIDDING: N/A

ISSUED FOR CONSTRUCTION: N/A

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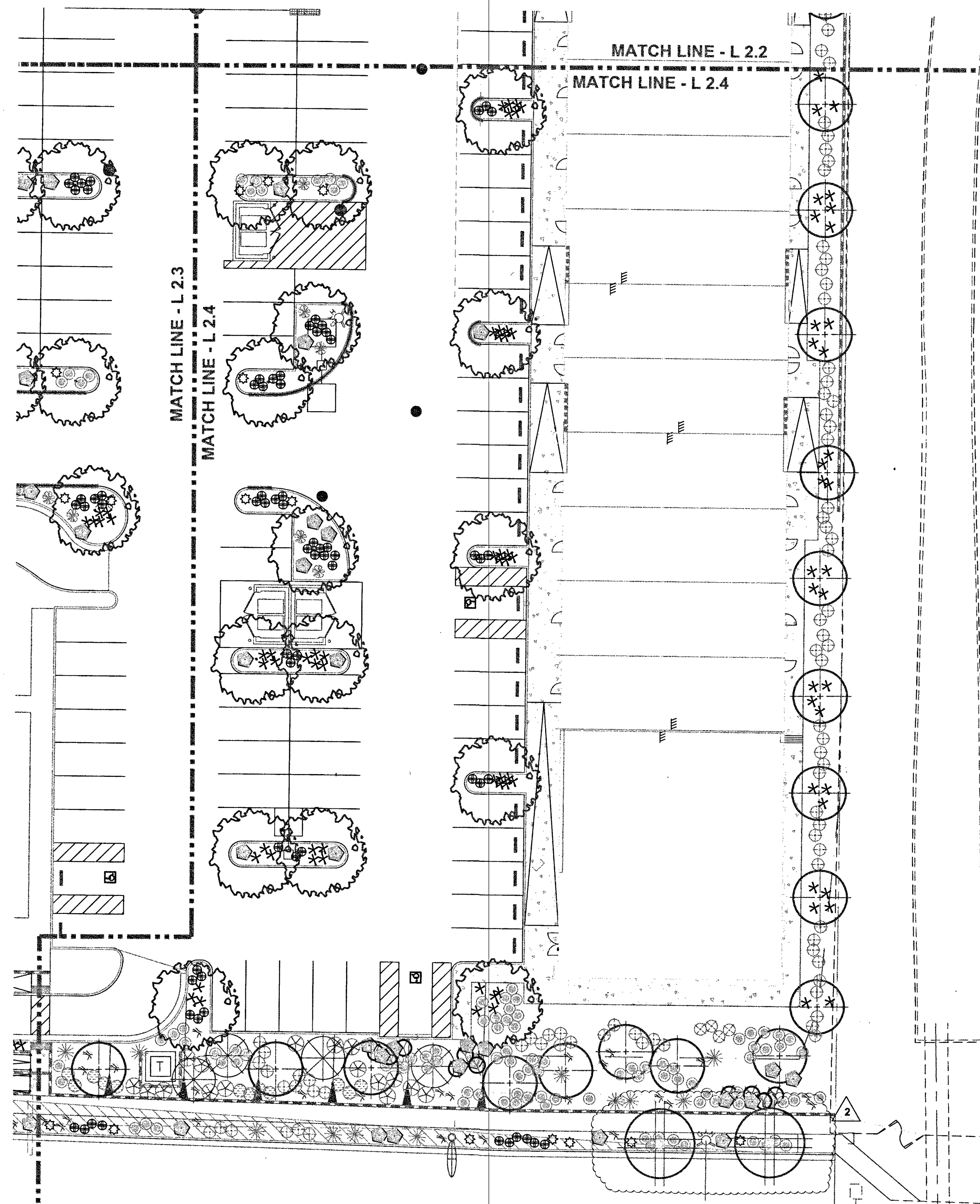
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DRAWING TITLE:

PLANTING
PLAN

L17-00751
10745072

L2.4



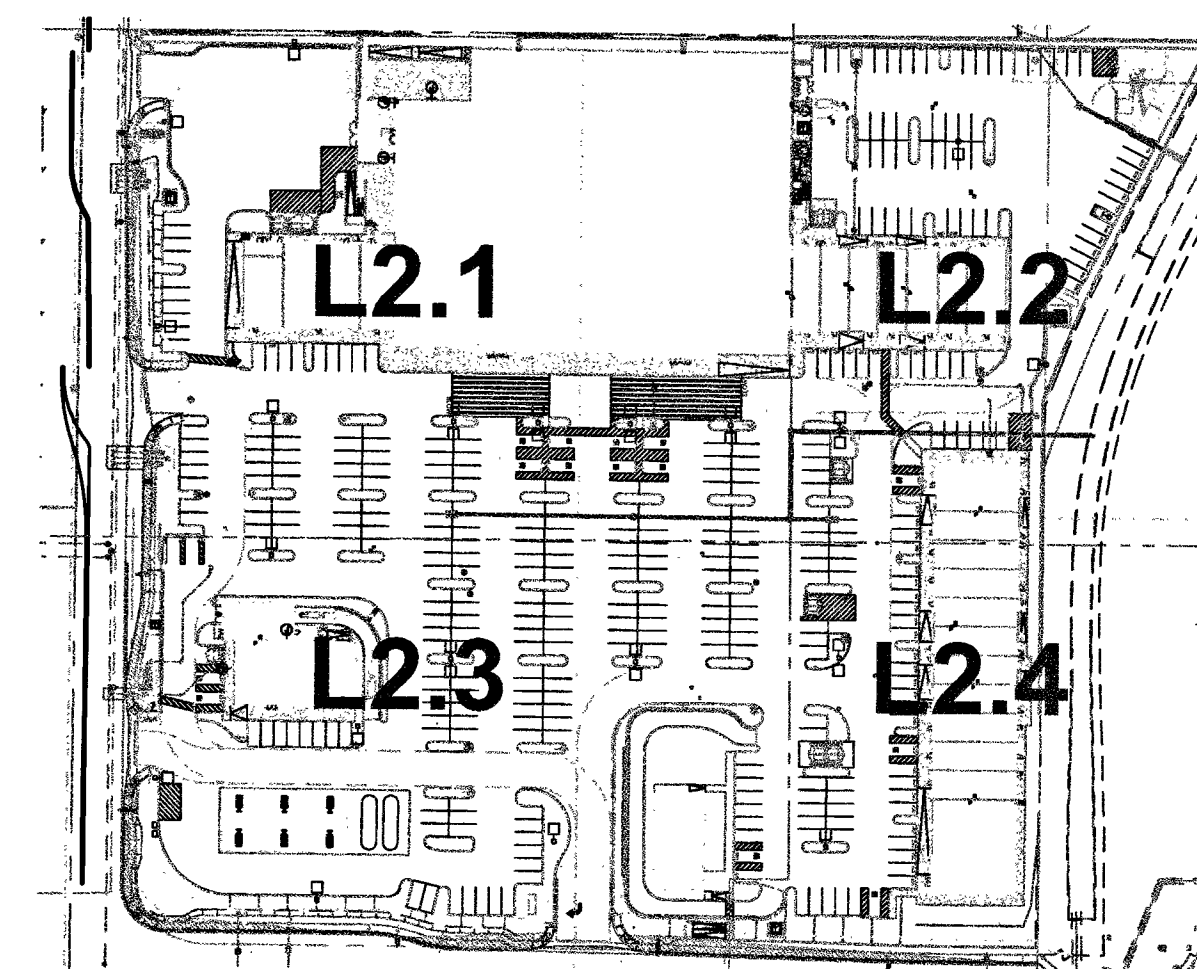
PLANTING PLAN



PLANT SCHEDULE	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
TREES					
	ELAEAGNUS DECIPENS	JAPANESE BLUEBERRY	15	36" BOX	STANDARD TRUNK, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
	BUTIA CARTATA	PIROO PALM	7	15 GAL	
	OLEA EUROPAEA 'SWAN HILL'	SWAN HILL OLIVE	57	36" BOX	SEMI-MULTI TRUNK, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
	EBENOPSIS EBANO	TEXAS EBONY	45	24" BOX	STANDARD TRUNK, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
	PISTACIA CHINENSIS	CHINESE PISTACHE	7	24" BOX	STANDARD TRUNK, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
	QUERCUS ILEX	HOLLY OAK	56	24" BOX	STANDARD TRUNK, SUBMIT PHOTOS OF TREES PRIOR TO PURCHASE FOR APPROVAL
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	LONGICORNIA X AMERICANA 'PINK PINK'	PINK PINK HONEYBUCKLE	88	5 GAL	
	LEUCOPHYLLUM CANDIDUM	THUNDER CLOUD	83	5 GAL	
	RHAPHIOLEPS INDICA 'PINK LADY'	INDIAN HAWTHORN	55	5 GAL	
	SHIMONDISIA CHINENSIS 'VISTA'	COMPACT JUJUBA	426	5 GAL	
GROUNDCOVERS					
	MELAMPODIUM LEUCANTHEM	BLACK FOOT DAISY	317	1 GAL	
	LANTANA SPECIES 'NEW GOLD'	NEW GOLD LANTANA	105	1 GAL	
	TEUCORIUM CHAMAEDRYS	BUSH GERMANDER	771	5 GAL	
	TRACHELOSPERMUM JASMINODES	STAR JASMINE	280	5 GAL	
ACCENTS					
	AGAVE OCAVIFOLIA	TWIN-FLOWERED AGAVE	53	5 GAL	SUBMIT PHOTOS OF AGAVE PRIOR TO PURCHASE FOR APPROVAL
	AGAVE OCAVIFOLIA	WHALE'S TONGUE AGAVE	15	5 GAL	SUBMIT PHOTOS OF AGAVE PRIOR TO PURCHASE FOR APPROVAL
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	DIETES BICOLOR	FORTNIGHT LILY	136	5 GAL	
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MATERIALS					
	GRANITE BOULDERS: MEDIUM TO DARK BROWN COLORING	BOULDER SIZES NOTED BELOW IN NOTES #2	77		SEE DETAIL 'H' FOR INSTALLATION APPLICATION
	RIP RAP: APACHE BROWN	MIX: 75% 4"-10" & 25% 1"-4"			SEE DETAIL 'I' FOR INSTALLATION APPLICATION
	CRUSHED ROCK	CRUSHED ROCK: APACHE BROWN			SEE DETAIL 'W' FOR INSTALLATION APPLICATION

NOTES:

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KEY MAP
NTS

BD SUBMITTAL SET