

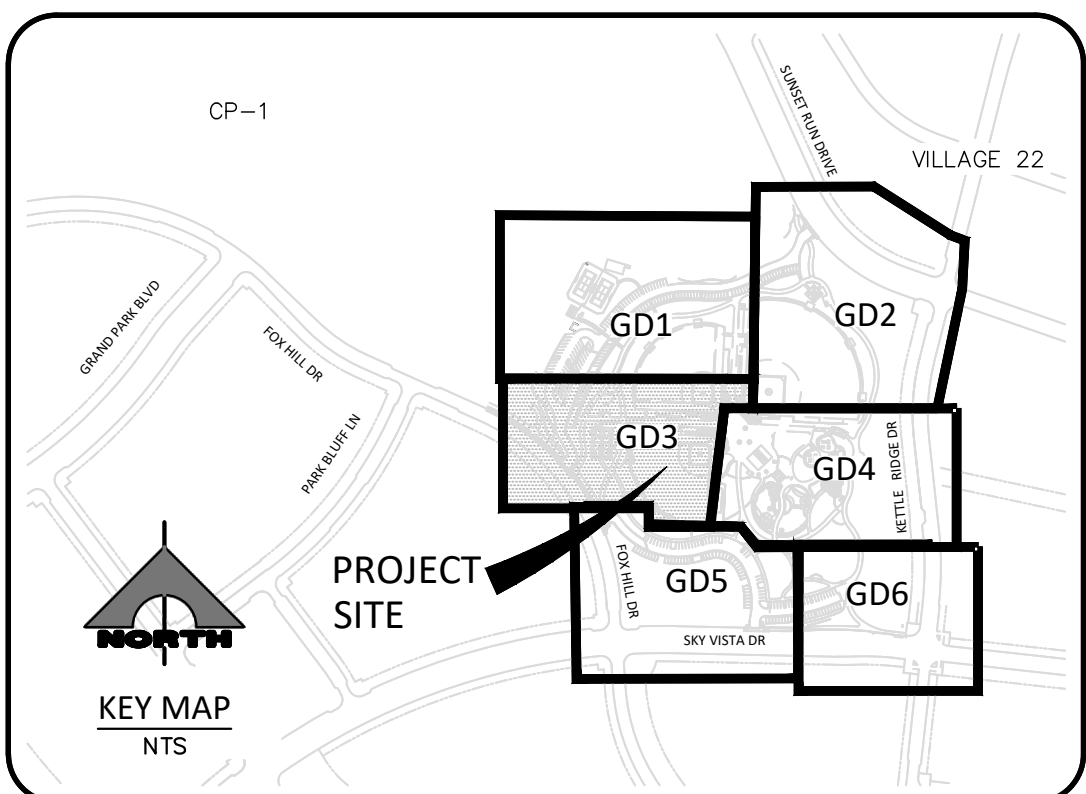
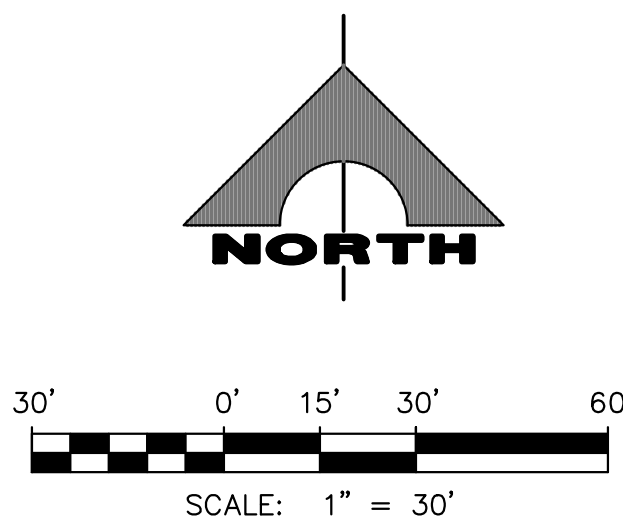
LEGEND		
	TYPICAL PROPOSED LINEWORK	 DETAIL BUBBLE W/ REF.
	TYPICAL EXISTING LINEWORK	 BENCHMARK
	TYPICAL FUTURE LINEWORK	 GATE VALVE
	SECTION LINE	 PRESSURE REDUCING VALVE
	EASEMENT LINE	 BACK WATER VALVE
	EDGE OF PAVEMENT	 DROP INLET
	LOTLINE	 FIRE HYDRANT
	RIGHT-OF-WAY LINE	 WATER METER
	PROPERTY LINE	 WATER RPPA
	CENTERLINE	 WATER RPDA
	TYPICAL UTILITY LINE 4" - 12" (SINGLE LINE)	 TRAFFIC SIGNAL PULL BOX
	TYPICAL UTILITY LINE > THAN 12" (DOUBLE LINE)	 STREET LIGHT CLARK COUNTY
	TYPICAL SEWER LINE W/MH	 STREET LIGHT SUMMERLIN STD
	TYPICAL WATER LINE W/GV	
	TYPICAL STORM LINE W/MH	 TRAFFIC SIGNAL/FASHER
	100 YR HYDRAULIC GRADE LINE	 EXISTING TELE POLE
	CONCRETE OR STEEL ENCASEMENT	 EXISTING POWER POLE
	TYPICAL STUB & BLOW-OFF	 EXISTING POLE
	EX. GAS LINE	 EX. ELEC MARKER
	EX. ELECTRICAL	 TRANSFORMER PAD
	EX. CABLE TV	 SERVICE PEDESTAL
	EX. TELEPHONE	 PULLBOX
	EX. OVERHEAD POWER LINES	 PROPOSED CONTOUR
	EX. ELEC & PWR POLES	 EXISTING CONTOUR
	TYPICAL CURB & GUTTER, SIDEWALK AND RAMP	 PROPOSED SPOT ELEVATION
	POST AND CABLE FENCE	 EXISTING SPOT ELEVATION
	WROUGHT IRON FENCE	 PROPOSED SLOPE
	CHAIN LINK FENCE	 SLOPE DIRECTION
	SAWCUT	 TOE SLOPE
	PAVEMENT RESORATION AREA	 FINISH FLOOR ELEVATION
	PROPOSED ABANDONMENT	
	EXISTING ABANDONMENT	
	CUT LINE LIMITS	
	FILL LINE LIMITS	

DRAWING
G3
3 OF 35 SHTS

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. **####** FIRST APPROVAL DATE: _____



ROADWAY CONSTRUCTION NOTES	
1 R	CONSTRUCT SIDEWALK RAMP PER 235 USD
2 R	INSTALL DECORATIVE/RETAINING WALLS, SEE LANDSCAPE PLANS (BY OTHERS)
3 R	INSTALL 6" PVC UNDERDRAIN
4 R	INSTALL STAIRS PER A DT2
5 R	CONSTRUCT 8' CROSS GUTTER PER 228 USD
6 R	INSTALL 0" FLUSH CURB PER 2 DT1
7 R	CONSTRUCT 32' FACE OF CURB TO FACE OF CURB DRIVEWAY PER 222.1 USD 225 USD
8 R	PROPOSED SIDEWALK SEE LANDSCAPE PLANS
9 R	INSTALL 3" A.C. PAVEMENT OVER 4" TYPE II AGGREGATE
10 R	CONSTRUCT RETAINING WALL - SEE PLANS BY OTHERS
11 R	INSTALL 24" "L" TYPE CURB & GUTTER PER 216 USD
12 R	INSTALL MODIFIED "A" CURB PER 4 DT1
13 R	INSTALL PRE-CAST BUMPER BLOCKS PER 238 USD
14 R	CONSTRUCT 2' CURB OPENING PER 1 DT1
15 R	INSTALL 3' VALLEY GUTTER PER 3 DT1
16 R	CONSTRUCT TRASH ENCLOSURE - SEE LANDSCAPE PLANS FOR DETAILS
17 R	INSTALL 6" BOLLARDS PER 8 DT1
18 R	INSTALL 2' SIDEWALK DRAIN PER 236 USD
19 R	INSTALL 8" PVC UNDERDRAIN

STORM DRAIN	
7 SD	INSTALL 60" TYPE I MANHOLE 401 403 408-S1 CCAUSS CCAUSS CCAUSS
7 SD	INSTALL 48" TYPE II MANHOLE 401 403 408-S1 CCAUSS CCAUSS CCAUSS
7 SD	INSTALL S6 STORMWATER SEPARATOR MANHOLE PER 401 403 408-S1 CCAUSS CCAUSS CCAUSS
4 SD	INSTALL TYPE "CM2" DROP INLET PER 421 421 CCAUSS CCAUSS
5 SD	PRECAST DRAINAGE BASIN-INLET JENSEN MODEL NO. 1212-DI (SEE PLANS FOR HEIGHT), GRATED LID OR EQUAL
6 SD	REMOVE PLUG & CONNECT TO EX. STORM WITH MANHOLE, SIZE AND INVERT PER PLANS (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EX. STORM DRAIN PRIOR TO CONSTRUCTION)
* CONTRACTOR TO VERIFY SIZE, INVERT AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION	

BASIS OF BEARING AND COORDINATES

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

LINEAR UNIT: US SURVEY FOOT (FTUS)
DATUM (REFERENCE FRAME): NAD 83 (2011) EPOCH 2010.00
SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)
ZONE: LAS VEGAS HIGH ELEVATION ZONE

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W
NORTHING AT GRID ORIGIN: 400,000.00 M (1,312,333.3333 FTUS)
EASTING AT CENTRAL MERIDIAN: 300,000 M (984,250,000 FTUS)
SCALE FACTOR ON CENTRAL MERIDIAN: 1.000135 (EXACT)

BENCHMARK			
BM#	DESCRIPTION	NAVD 88 DATUM	NAVD 88 DATUM
CLV BM No. 5LV0926W6	CITY OF LAS VEGAS RIVET AND PLATE IN TOP OF OF CURB AT THE SOUTHEAST CORNER CARRIAGE HILLS DR. AND FAR HILLS AVE.	3229.22 (FEET)	984.267 (METERS)

Call before you Dig Avoid cutting underground utility lines. It's costly. Call  OR 1-800-642-2444	FAST Call  before you UnderGround 1-702-432-5300 FREEMAN AND ARTERIAL SYSTEM OF TRANSPORTATION	AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD  1-702-227-2929
---	---	--

STORM DRAIN NOTE
THE ONSITE STORM DRAINS AND THE ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE SUMMERLIN MASTER HOA

STORM DRAIN STAMP
ALL STORM DRAIN DROP INLETS TO
BE CONSTRUCTED PER USDCCA DWG
NO. 421
(STORMWATER QUALITY MANAGEMENT
STAMP AND SIGN DETAIL)

BMP NOTE

POST-CONSTRUCTION BMPs (PCBMPs)/ CONTROL MEASURES NOTED ON THE GRADING PLANS ARE MANDATORY PERMANENT REGULATORY STORM WATER POLLUTION CONTROLS. THESE PCBMPs MUST BE INSTALLED PER THE APPROVED PLANS AND MUST BE PERMANENTLY MAINTAINED.

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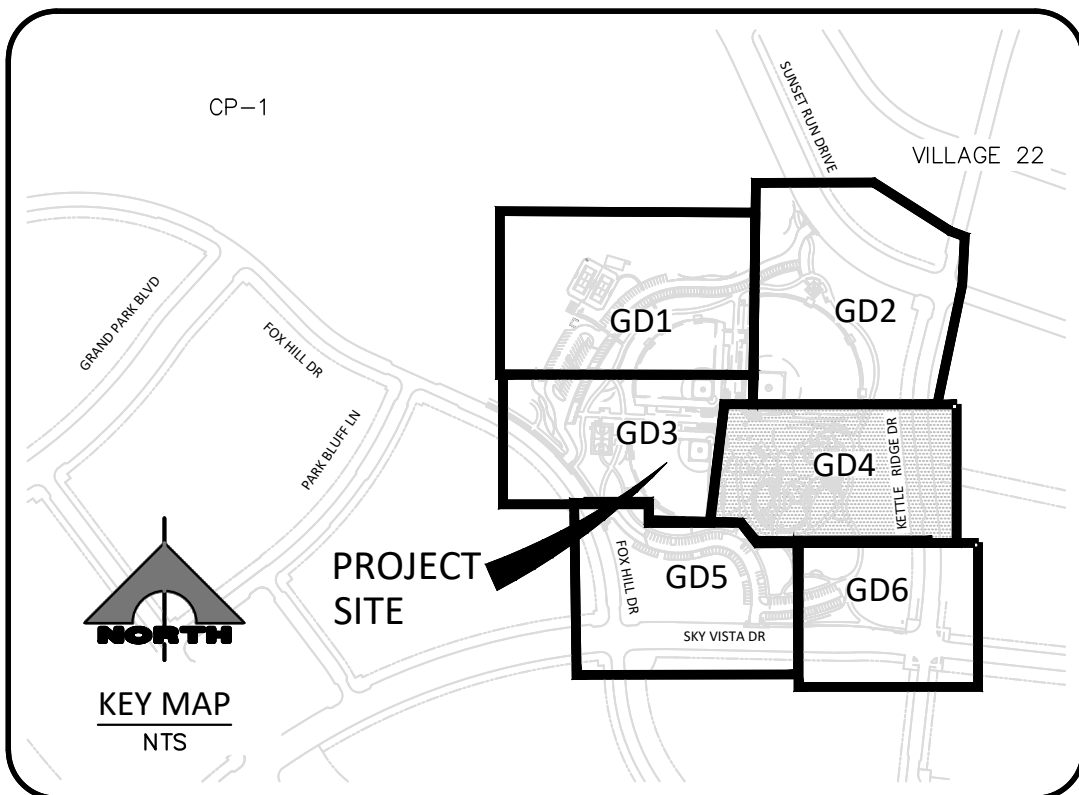
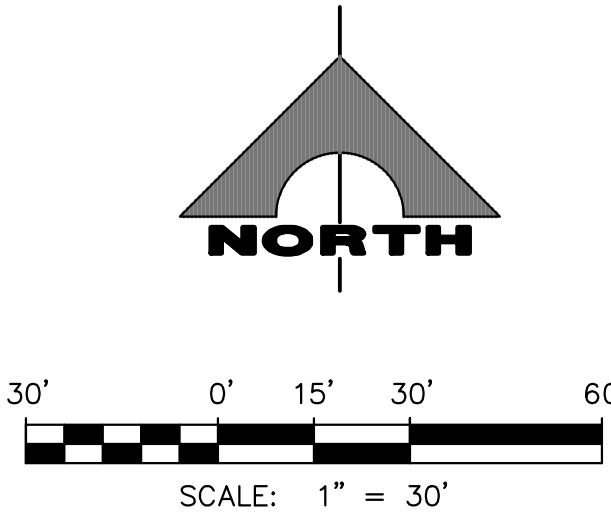
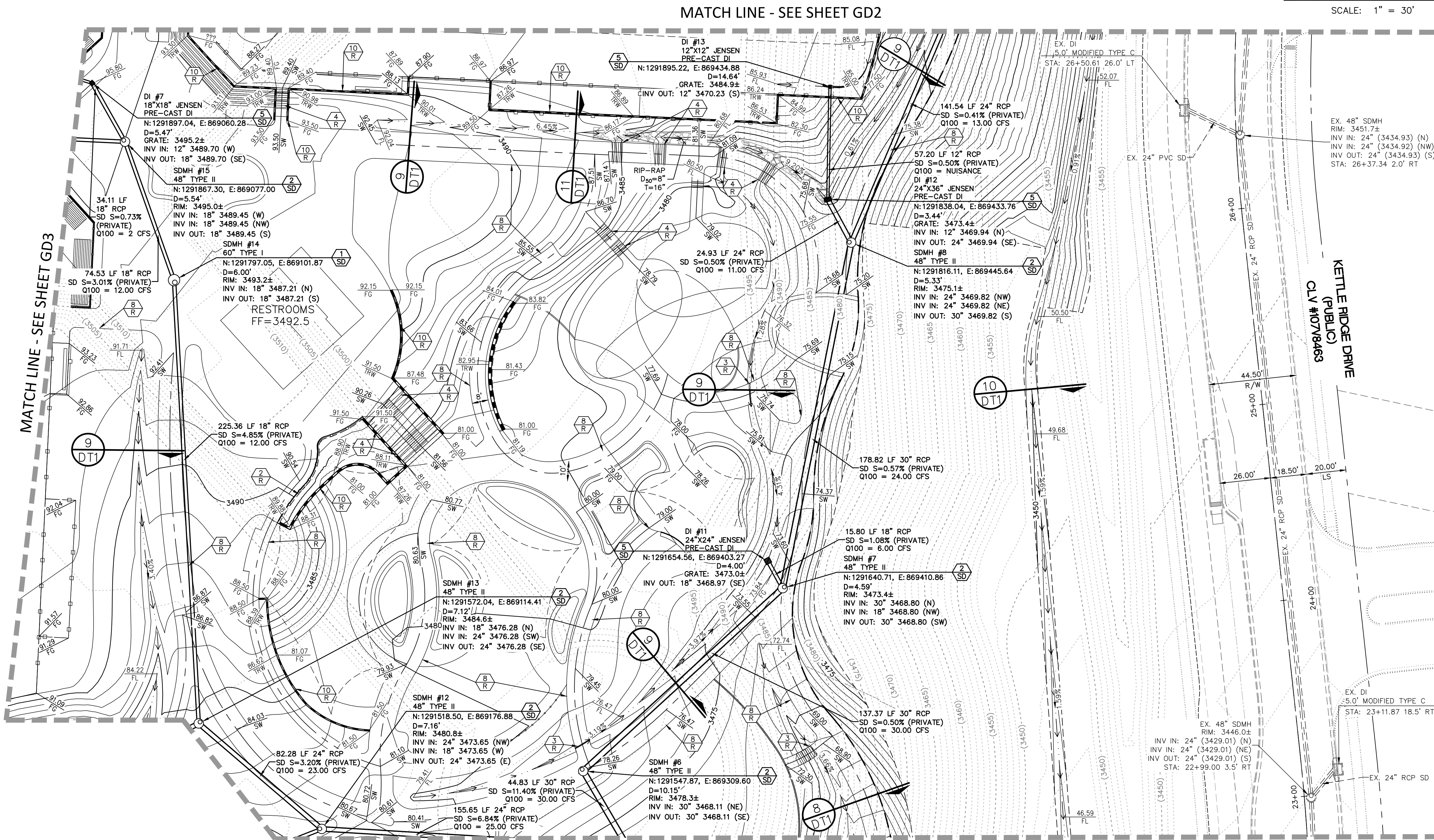
Call
811

OR

1-800-642-2444

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





ROADWAY CONSTRUCTION NOTES	
1	CONSTRUCT SIDEWALK RAMP PER (235) (USD)
2	INSTALL DECORATIVE/RETAINING WALLS, SEE LANDSCAPE PLANS (BY OTHERS)
3	INSTALL 6" PVC UNDERDRAIN
4	INSTALL STAIRS PER (A72)
5	CONSTRUCT 8" CROSS GUTTER PER (228) (USD)
6	INSTALL 0" FLUSH CURB PER (2) (DTI)
7	CONSTRUCT 32" FACE OF CURB TO FACE OF CURB DRIVEWAY PER (222) (USD) (225) (USD)
8	PROPOSED SIDEWALK SEE LANDSCAPE PLANS
9	INSTALL 3" A.C. PAVEMENT OVER 4" TYPE II AGGREGATE
10	CONSTRUCT RETAINING WALL - SEE PLANS BY OTHERS
11	INSTALL 24" "L" TYPE CURB & GUTTER PER (216) (USD)
12	INSTALL MODIFIED "A" CURB PER (4) (DTI)
13	INSTALL PRE-CAST BUMPER BLOCKS PER (238) (USD)
14	CONSTRUCT 2" CURB OPENING PER (1) (DTI)
15	INSTALL 3" VALLEY GUTTER PER (3) (DTI)
16	CONSTRUCT TRASH ENCLOSURE - SEE LANDSCAPE PLANS FOR DETAILS
17	INSTALL 6" BOLLARDS PER (6) (DTI)
18	INSTALL 2" SIDEWALK DRAIN PER (236) (USD)
19	INSTALL 8" PVC UNDERDRAIN

STORM DRAIN	
1	INSTALL 60" TYPE I MANHOLE (401) (CCLAU) (402) (CCLAU) (408.5) (CCLAU)
2	INSTALL 48" TYPE II MANHOLE (401) (CCLAU) (403) (CCLAU) (408.5) (CCLAU)
3	INSTALL S6 STORMWATER SEPARATOR MANHOLE PER (1) (DTI)
4	INSTALL TYPE "CM2" DROP INLET PER (401) (CCLAU) (402) (CCLAU)
5	PRECAST DRAINAGE BASIN-INLET JENSEN MODEL NO. 1212-DI (SEE PLANS FOR HEIGHT), GRATED LID OR EQUAL
6	REMOVE PLUG & CONNECT TO EX. STORM WITH MANHOLE, SIZE AND INVERT PER PLANS (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EX. STORM DRAIN PRIOR TO CONSTRUCTION)
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BASIS OF BEARING AND COORDINATES	
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS HIGH ELEVATION ZONE, NORTH AMERICAN DATUM OF 1983, SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.	
LINEAR UNIT: US SURVEY FOOT (FTUS)	
DATUM (REFERENCE FRAME): NAD 83 (2011) EPOCH 2010.00	
SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)	
ZONE: LAS VEGAS HIGH ELEVATION ZONE	
PROJECTION: TRANSVERSE MERCATOR	
STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N	
LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W	
NORTHING AT GRID ORIGIN: 400,000.00 M (1,312,333.3333 FTUS)	
EASTING AT CENTRAL MERIDIAN: 300,000 M (984,250.0000 FTUS)	
SCALE FACTOR ON CENTRAL MERIDIAN: 1.000135 (EXACT)	
NOTES:	
1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.	
2. GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.	

STORM DRAIN NOTE
THE ONSITE STORM DRAINS AND THE ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE SUMMERLIN MASTER HOA

STORM DRAIN STAMP
ALL STORM DRAIN DROP INLETS TO BE CONSTRUCTED PER USDOCA DWG NO. 421 (STORMWATER QUALITY MANAGEMENT STAMP AND SIGN DETAIL)

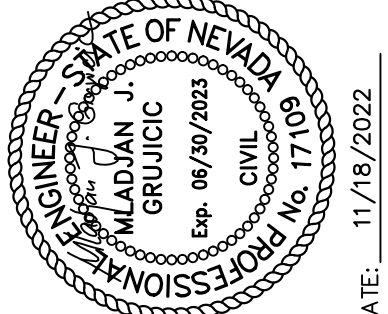
BMP NOTE
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Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-642-2444

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

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

BENCHMARK	
BM#	DESCRIPTION
CLV BM No. 15V0926W6	CITY OF LAS VEGAS RIVET AND PLATE IN TOP OF CURB AT THE SOUTHEAST CORNER OF CARRIAGE HILLS DR. AND FAR HILLS AVE.
NAVD 88 DATUM	3229.22 (FEET)
NAVD 88 DATUM	984.267 (METERS)



DATE	GCW APP	DATE	GCW APP
11/15/2022			

DESCRIPTION	DATE	REV

PROJECT NO.	62025-660-1
DESIGN: TLE	
DRAWING: TLE	
CHECK: LP/JG	
DATE: 11-18-22	
PLOT TIME: 12:01:48	

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gwenengineering.com

GCV
ENGINEERS & SURVEYORS

FOR PRODUCTS GO TO 62025-660-1 WWW.PRODUCTION62025-660-1 62025-660-1

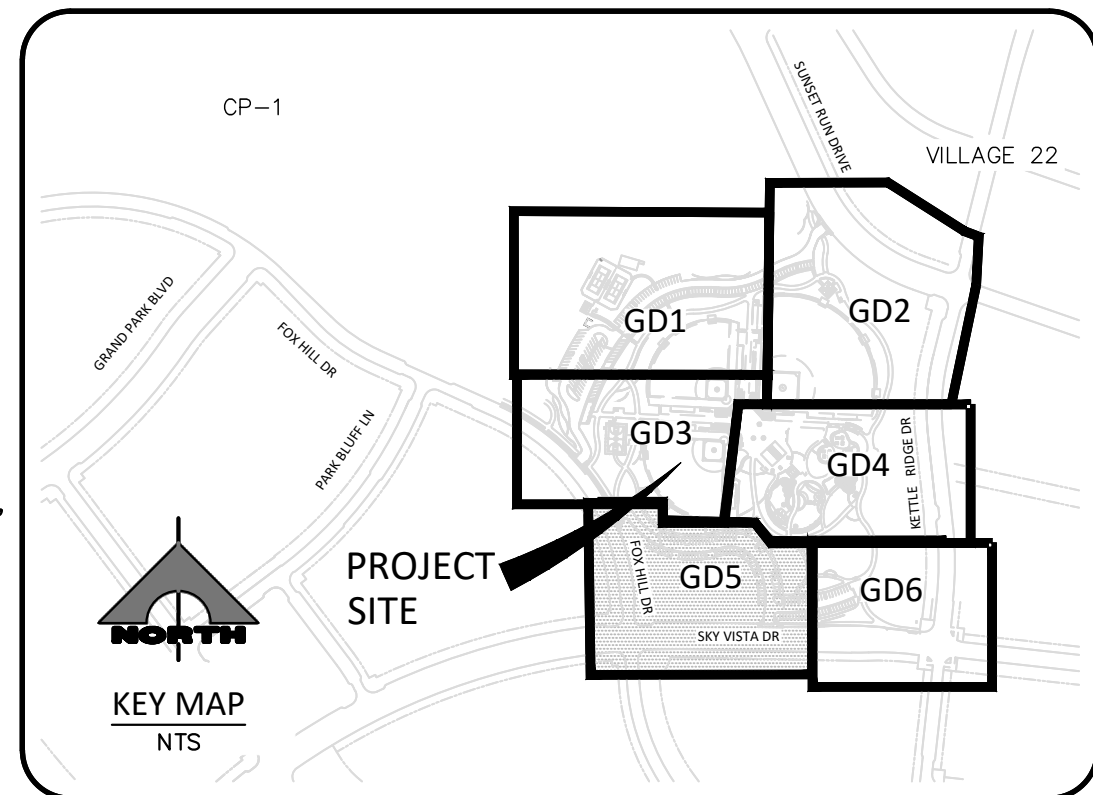
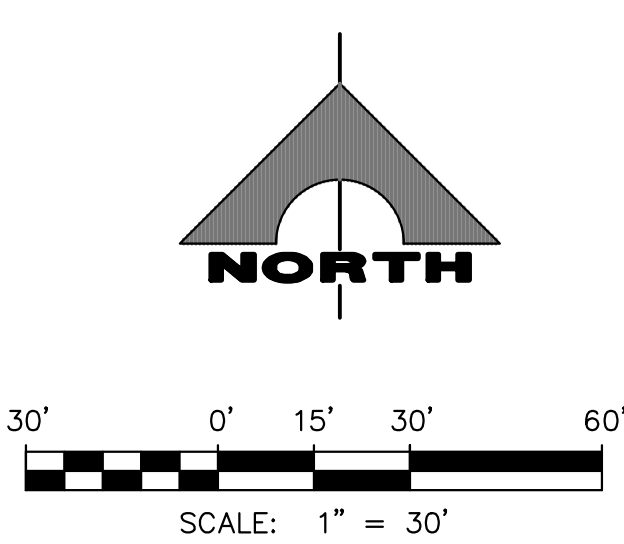
THE HOWARD HUGHES COMPANY, LLC

VILLAGE 25 SUMMERLIN COUNCIL PARK
AT GRAND PARK

GRADING PLAN 4

DRAWING
GD4

14 OF 35 SHTS



ROADWAY CONSTRUCTION NOTES

- 1
R CONSTRUCT SIDEWALK RAMP PER $\left(\frac{236}{USD} \right)$
- 2
R INSTALL DECORATIVE/RETAINING WALLS, SEE LANDSCAPE PLANS (BY OTHERS)
- 3
R INSTALL 6" PVC UNDERDRAIN
- 4
R INSTALL STAIRS PER $\left(\frac{A}{DTI} \right)$
- 5
R CONSTRUCT 8' CROSS GUTTER PER $\left(\frac{228}{USD} \right)$
- 6
R INSTALL 0" FLUSH CURB PER $\left(\frac{6}{DTI} \right)$
- 7
R CONSTRUCT 32' FACE OF CURB TO FACE OF CURB DRIVEWAY PER $\left(\frac{222}{USD} \right)$ $\left(\frac{225}{USD} \right)$
- 8
R PROPOSED SIDEWALK SEE LANDSCAPE PLANS
- 9
R INSTALL 3" A.C. PAVEMENT OVER 4" TYPE II AGGREGATE
- 10
R CONSTRUCT RETAINING WALL - SEE PLANS BY OTHERS
- 11
R INSTALL 24" "L" TYPE CURB & GUTTER PER $\left(\frac{216}{USD} \right)$
- 12
R INSTALL MODIFIED "A" CURB PER $\left(\frac{4}{DTI} \right)$
- 13
R INSTALL PRE-CAST BUMPER BLOCKS PER $\left(\frac{236}{USD} \right)$
- 14
R CONSTRUCT 2' CURB OPENING PER $\left(\frac{1}{DTI} \right)$
- 15
R INSTALL 3' VALLEY GUTTER PER $\left(\frac{3}{DTI} \right)$
- 16
R CONSTRUCT TRAIL ENCLOSURE - SEE LANDSCAPE PLANS FOR DETAILS
- 17
R INSTALL 6" BOLLARDS PER $\left(\frac{6}{DTI} \right)$
- 18
R INSTALL 2' SIDEWALK DRAIN PER $\left(\frac{236}{USD} \right)$
- 19
R INSTALL 8" PVC UNDERDRAIN

STORM DRAIN

- 1
40" INSTALL 60" TYPE I MANHOLE 401 (CAUSED) 403 (CAUSED) 408-S1 (CAUSED)
- 2
40" INSTALL 48" TYPE II MANHOLE 401 (CAUSED) 403 (CAUSED) 408-S1 (CAUSED)
- 3
50" INSTALL S6 STORMWATER SEPARATOR MANHOLE PER 7 DTI
- 4
50" INSTALL TYPE "CM2" DROP INLET PER 421 (CAUSED) 421-L (CAUSED)
- 5
50" PRECAST DRAINAGE BASIN-INLET JENSEN MODEL NO. 1212-DI (SEE PLANS FOR HEIGHT), GRATED LD OR EQUAL
- 6
50" REMOVE PLUG & CONNECT TO EX. STORM WITH MANHOLE, SIZE AND INVERT PER PLANS (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EX. STORM DRAIN PRIOR TO CONSTRUCTION)

* CONTRACTOR TO VERIFY SIZE, INVERT AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION

BASIS OF BEARING AND COORDINATES

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

LINEAR UNIT: US SURVEY FOOT (FT/US)
DATUM (REFERENCE FRAME): NAD 83 (2011) EPOCH 2010.00
SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)
ZONE: LAS VEGAS HIGH ELEVATION ZONE

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N
LENGTH OF CENTRAL MERIDIAN: 114°58'00"W
NORTHING AT GRID ORIGIN: 400,000.00 M (1,312,333.3333 FT/US)
EASTING AT CENTRAL MERIDIAN: 300,000.00 M (984,250.0000 FT/US)
SCALE FACTOR ON CENTRAL MERIDIAN: 1.000135 (EXACT)

NOTES:

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BENCHMARK			
BM#	DESCRIPTION	NAVD 88 DATUM	NAVD 88 DATUM
CLV BM No. 5LV0926W6	CITY OF LAS VEGAS RIVET AND PLATE IN TOP OF CURB AT THE SOUTHEAST CORNER OF CARRIAGE HILLS DR. AND FAR HILLS AVE.	3229.22 (FEET)	984.267 (METERS)

STORM DRAIN NOTE
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STORM DRAIN STAMP
ALL STORM DRAIN DROP INLETS TO
BE CONSTRUCTED PER USGCCA DWG
NO. 421
(STORMWATER QUALITY MANAGEMENT
STAMP AND SIGN DETAIL)

BMP NOTE

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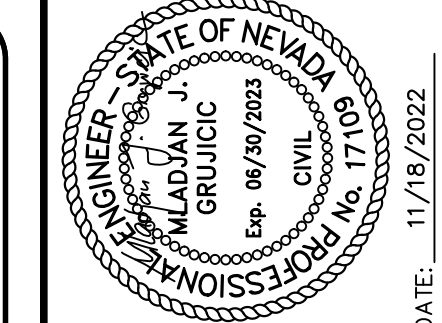
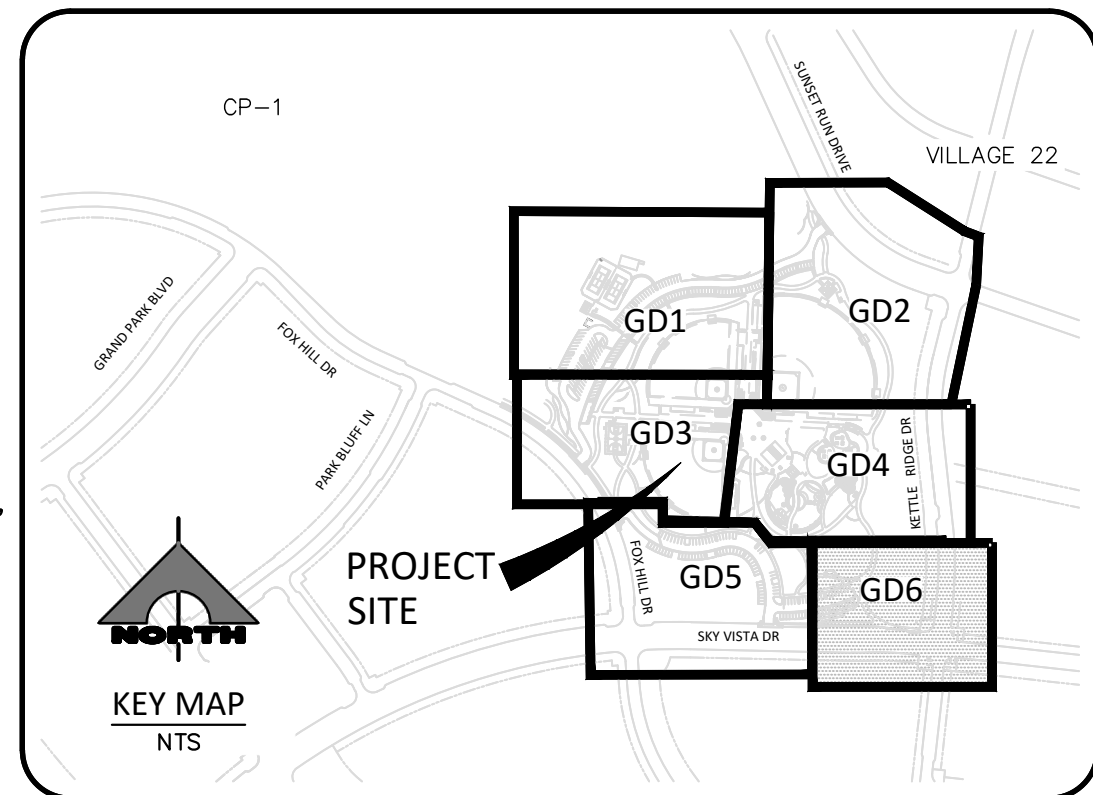
Call before you Dig
Avoid cutting underground utility lines. It's costly.

Call

OR
1-800-4-A-DIG

FAST
Call **before you**
UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL



[illegible][illegible]

PROJECT NO.	
62025-660-1	
DESIGN: TJE	
DRAWN: TJE	
CHECK: LP/JG	
PLOT DATE: 11-18-22	
PLOT TIME: 11:50:05	

GC
ENGINEERS \ SURVEYORS

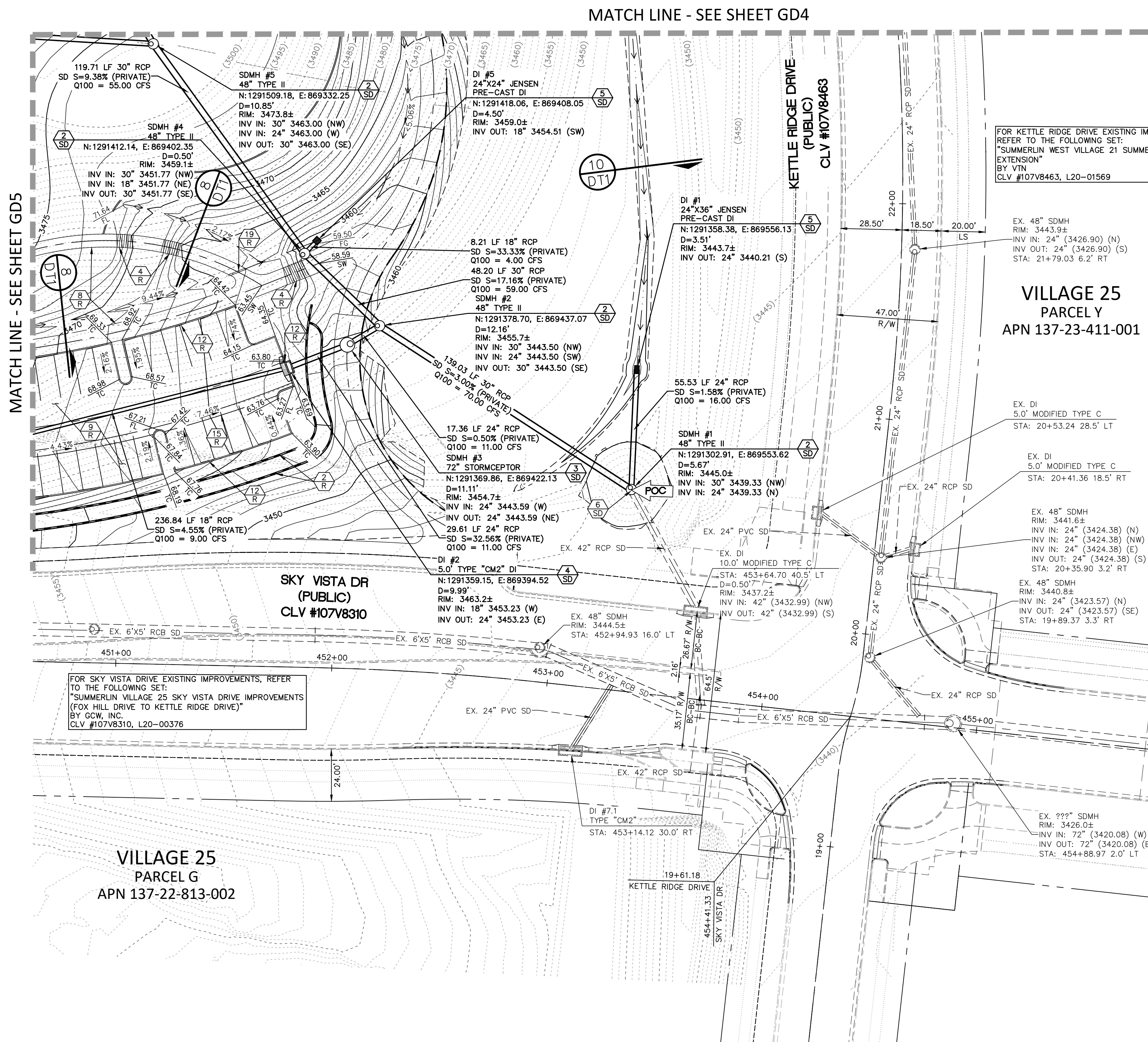
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gowingengineering.com

PRODUCTS V001 V0205 + 660 - 1 V0M0 PRODUCTION V02029 + 660 - 1001 - 00.DWG

CHRISTIAN SALCEDO

THE HOWARD HUGHES COMPANY, LLC	
VILLAGE 25 SUMMERLIN COUNCIL PARK AT GRAND PARK	
GRADING PLAN 6	PA

DRAWING
GD6
16 OF 35 SHTS



FOR KETTLE RIDGE DRIVE EXISTING IMPROVEMENTS,
REFER TO THE FOLLOWING SET:
"SUMMERLIN WEST VILLAGE 21 SUMMERLIN PARKWAY
EXTENSION"
BY VTN
CLV #107V8463, L20-01569

VILLAGE 25
PARCEL Y
APN 137-23-411-001

FOR SKY VISTA DRIVE EXISTING IMPROVEMENTS, REFER TO THE FOLLOWING SET:
"SUMMERLIN VILLAGE 25 SKY VISTA DRIVE IMPROVEMENTS (FOX HILL DRIVE TO KETTLE RIDGE DRIVE)"
BY GCW, INC.
CL# 107V8310, L20-00376

VILLAGE 25
PARCEL G
APN 137-22-813-002

ROADWAY CONSTRUCTION NOTES

- | | | |
|---------|---|------------|
| 1
R | CONSTRUCT SIDEWALK RAMP PER | 235
USD |
| 2
R | INSTALL DECORATIVE/RETAINING WALLS, SEE LANDSCAPE PLANS (BY OTHERS) | |
| 3
R | INSTALL 6" PVC UNDERDRAIN | |
| 4
R | INSTALL STAIRS PER | A
DT2 |
| 5
R | CONSTRUCT 8' CROSS GUTTER PER | 228
USD |
| 6
R | INSTALL 0" FLUSH CURB PER | 2
DT1 |
| 7
R | CONSTRUCT 32" FACE OF CURB TO FACE OF CURB DRIVEWAY PER | 226
USD |
| 8
R | PROPOSED SIDEWALK SEE LANDSCAPE PLANS | 225
USD |
| 9
R | INSTALL 3" A.C. PAVEMENT OVER 4" TYPE II AGGREGATE | |
| 10
R | CONSTRUCT RETAINING WALL - SEE PLANS BY OTHERS | |
| 11
R | INSTALL 24" "L" TYPE CURB & GUTTER PER | 216
USD |
| 12
R | INSTALL MODIFIED "A" CURB PER | 4
DT1 |
| 13
R | INSTALL PRE-CAST BUMPER BLOCKS PER | 238
USD |
| 14
R | CONSTRUCT 2' CURB OPENING PER | 1
DT1 |
| 15
R | INSTALL 3' VALLEY GUTTER PER | 3
DT1 |
| 16
R | CONSTRUCT TRASH ENCLOSURE - SEE LANDSCAPE PLANS FOR DETAILS | |
| 17
R | INSTALL 6" BOLLARDS PER | 6
DT1 |
| 18
R | INSTALL 2' SIDEWALK DRAIN PER | 236
USD |
| 19
R | INSTALL 8" PVC UNDERDRAIN | |

STORM DRAIN

- | | | | | |
|---|---|----------------|------------------|-------------------|
| 1
SD | INSTALL 60" TYPE II MANHOLE | 401
CCAUSSD | 403
CCAUSSD | 408-51
CCAUSSD |
| 2
SD | INSTALL 48" TYPE II MANHOLE | 401
CCAUSSD | 403
CCAUSSD | 408-51
CCAUSSD |
| 3
SD | INSTALL S6 STORMWATER SEPARATOR MANHOLE PER | | | |
| 4
SD | INSTALL TYPE "CM2" DROP INLET PER | 421
CCAUSSD | 421-1
CCAUSSD | |
| 5
SD | PRECAST DRAINAGE BASIN-INLET JENSEN MODEL NO. 1212-DI (SEE PLANS FOR HEIGHT), GRATED LID OR EQUAL | | | |
| 6
SD | REMOVE PLUG & CONNECT TO EX. STORM WITH MANHOLE, SIZE AND INVERT PER PLANS (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EX. STORM DRAIN PRIOR TO CONSTRUCTION) | | | |
| <p>* CONTRACTOR TO VERIFY SIZE, INVERT AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION</p> | | | | |

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

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SCALE FACTOR ON CENTRAL MERIDIAN: 1.000135 (EXACT)

NOTES:

1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.
2. GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

STORM DRAIN NOTE

THE ONSITE STORM DRAINS AND THE ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE SUMMERLIN MASTER HOA

STORM DRAIN STAMP

ALL STORM DRAIN DROP INLETS TO
BE CONSTRUCTED PER USDCCA DWG
NO. 421
(STORMWATER QUALITY MANAGEMENT
STAMP AND SIGN DETAIL)

BMP NOTE

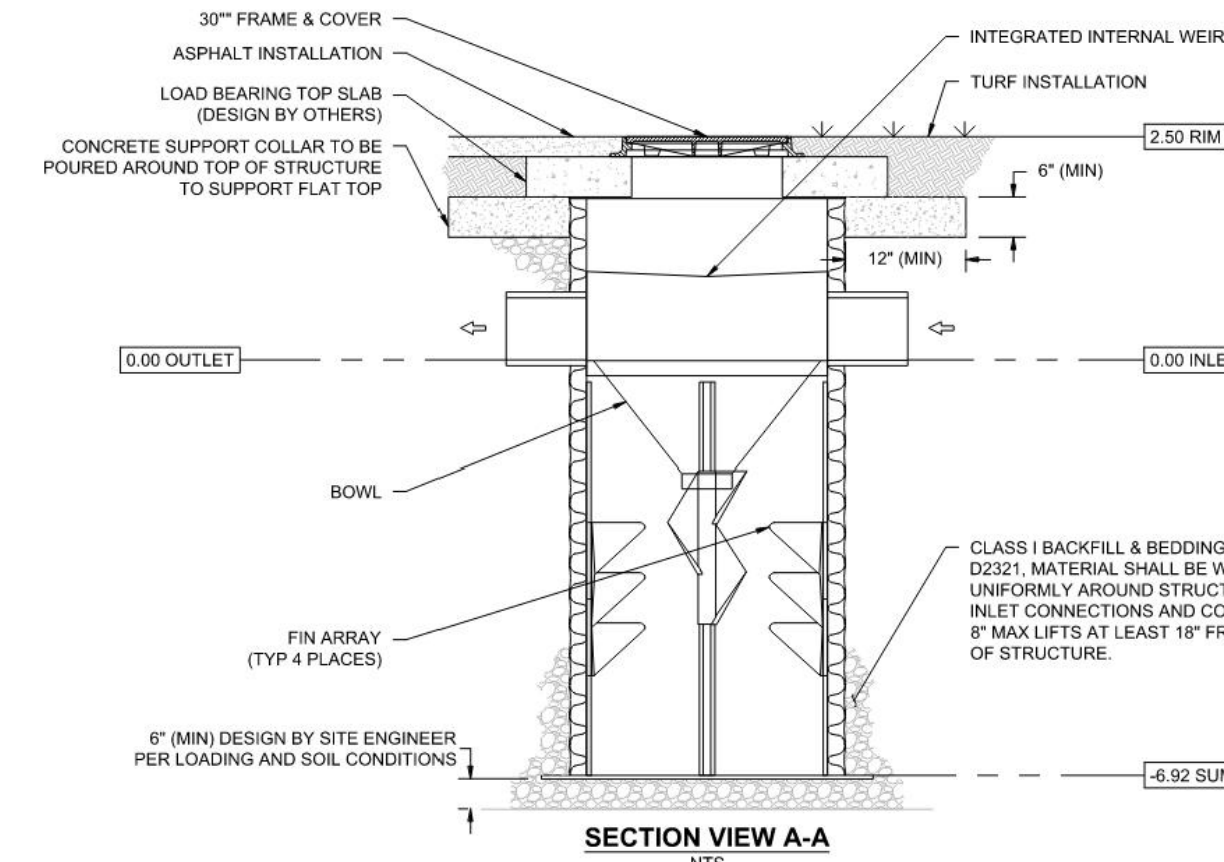
POST-CONSTRUCTION BMPs (PCBMPs)/ CONTROL MEASURES NOTED ON THE GRADING PLANS ARE MANDATORY PERMANENT REGULATORY STORM WATER POLLUTION CONTROLS. THESE PCBMPs MUST BE INSTALLED PER THE APPROVED PLANS AND MUST BE PERMANENTLY MAINTAINED.

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

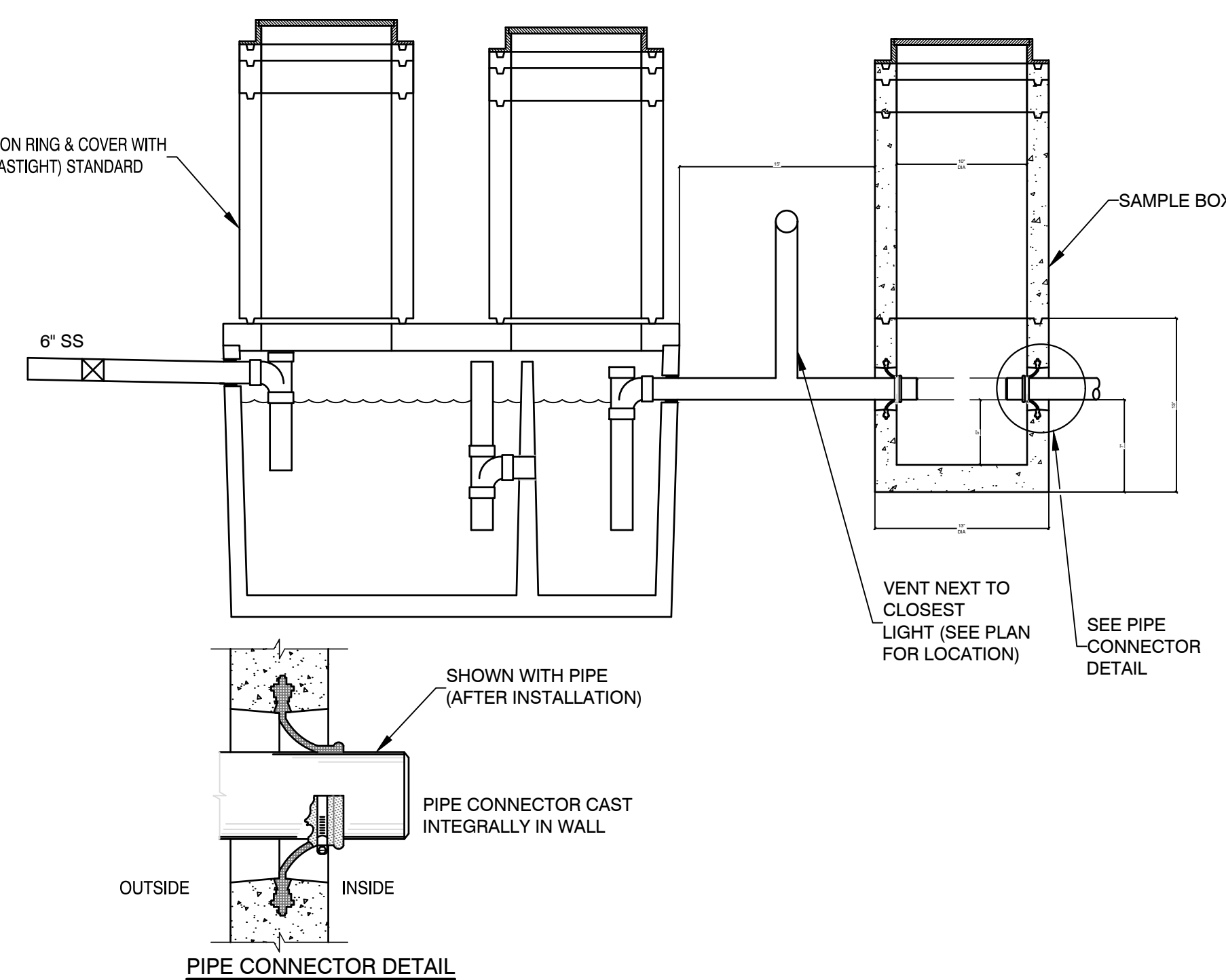
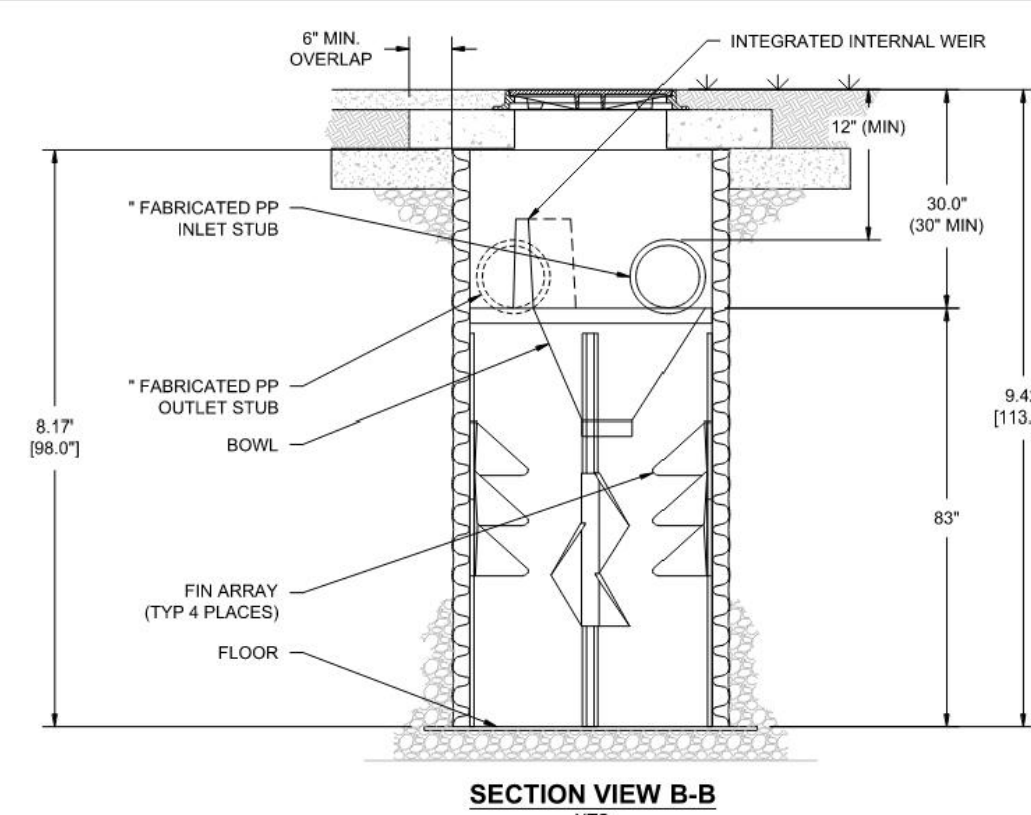
Call

OR
1-800-642-2444

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



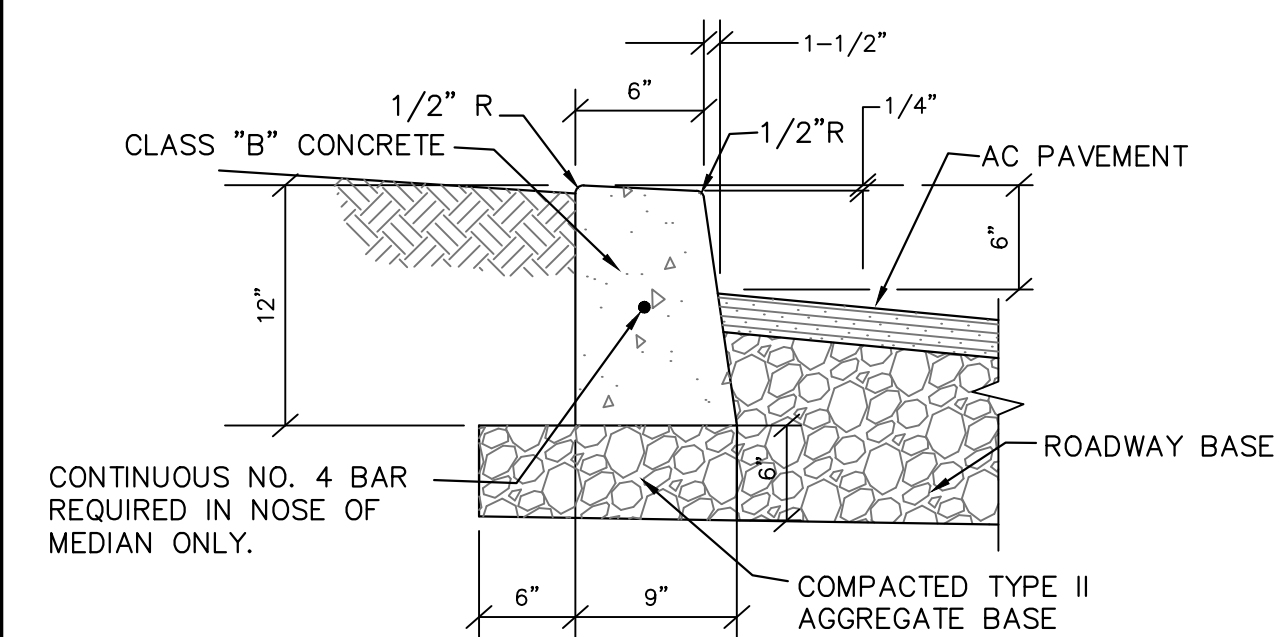
ADS 'BARRACUDA S6' STORMWATER SEPARATOR



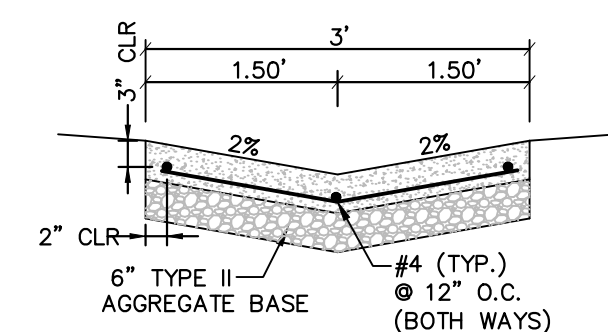
NOTES:

1. SAMPLE BOX MUST BE PLACED ON SUITABLE BASE OF COMPACTED SOIL OR UNDISTURBED EARTH IN TRAFFIC CONDITION.
2. PIPE CONNECTOR CAST INTEGRALLY IN WALL

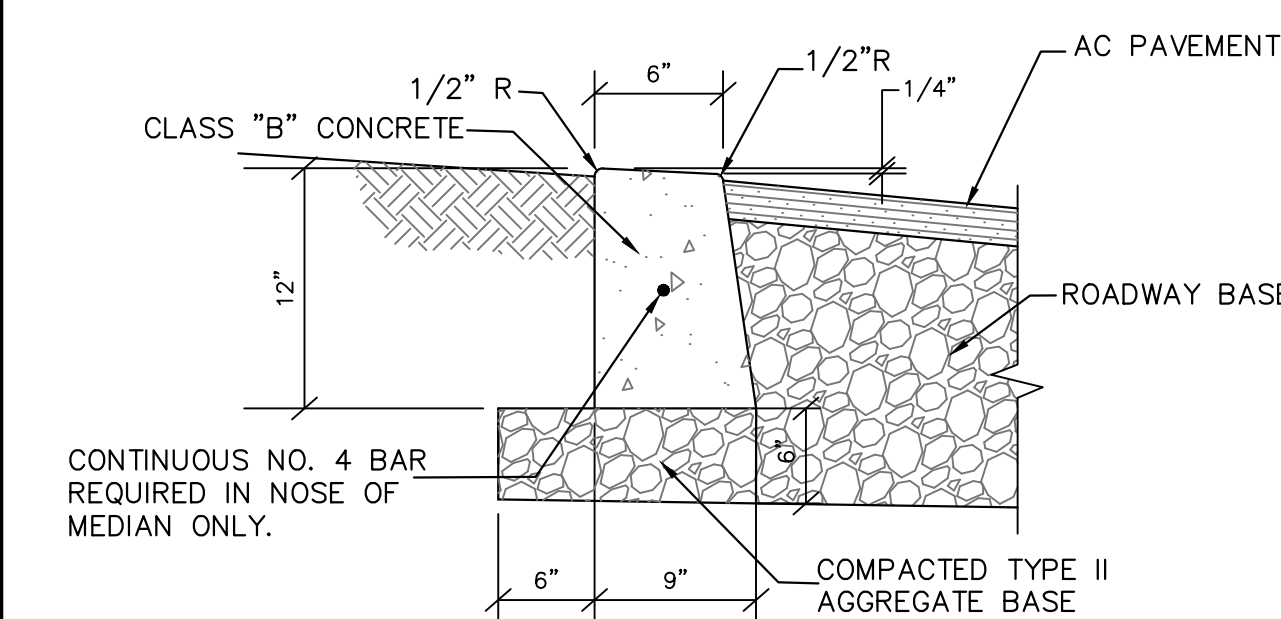
320 GALLON SAND-OIL INTERCEPTOR W/ SAMPLE BOX



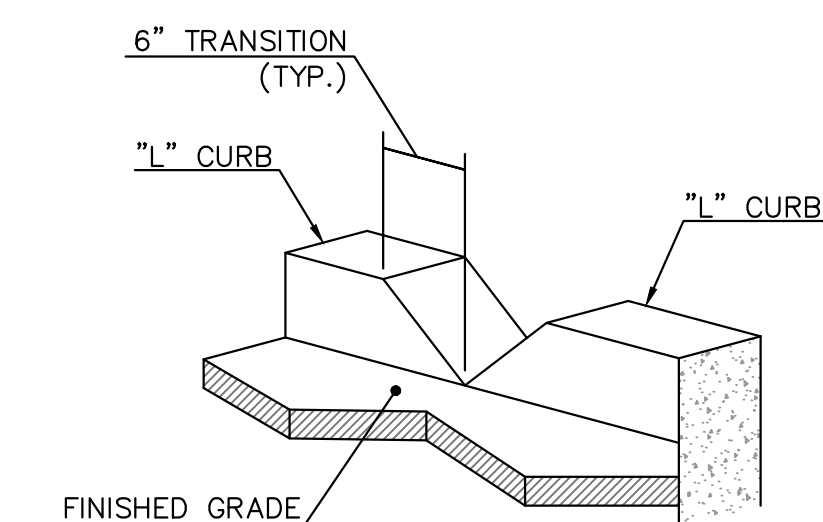
MODIFIED "A" TYPE CURB DETAIL 4
SCALE: NTS DT1



3' VALLEY GUTTER



"ZERO" TYPE CURB DETAIL



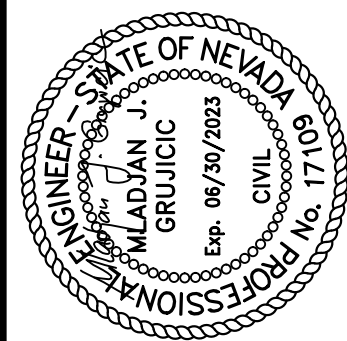
CURB OPENING DETAIL

SCALE: NTS

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

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

[illegible]

PROJECT NO.
62025-660-1

DESIGN:	TJE
DRAWN:	TJE
CHECK:	LD / JC

CHECK: LF/JG
PLOT DATE: 11-17-22
PLOT TIME: 12:54:59

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146

ed.

THE HOWARD HUGHES COMPANY, LLC

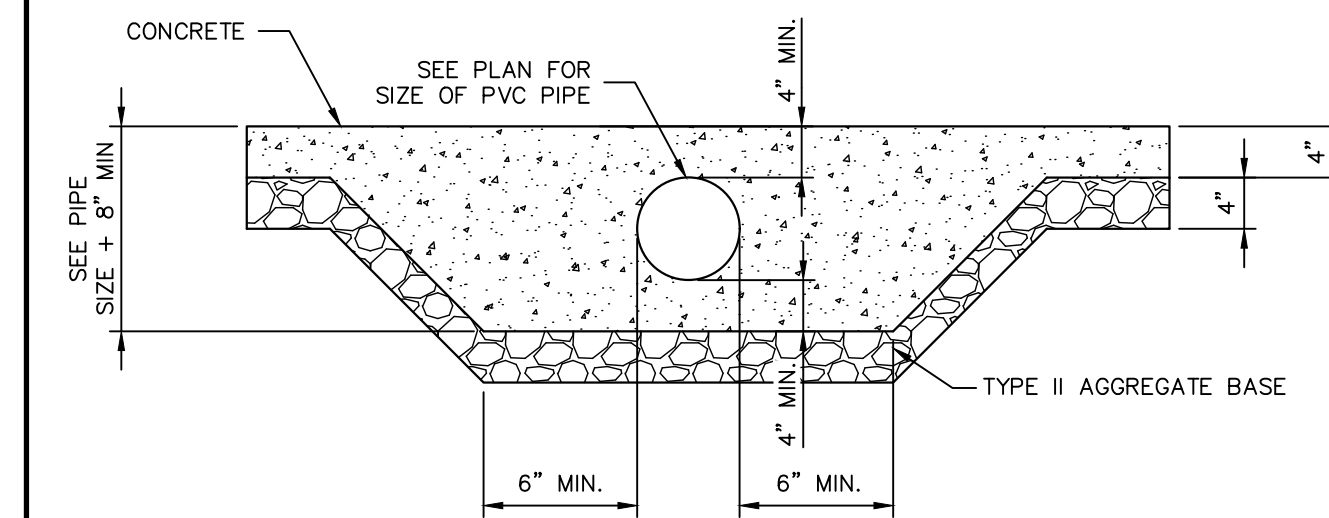
SUMMERLIN COUNCIL PARK
AT GRAND PARK

DETAILS AND SECTIONS 1

DRAWING

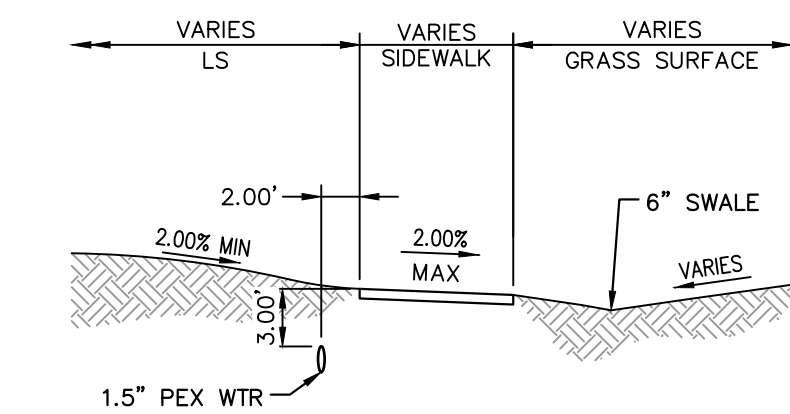
DT1

28 OF 35 SHTS



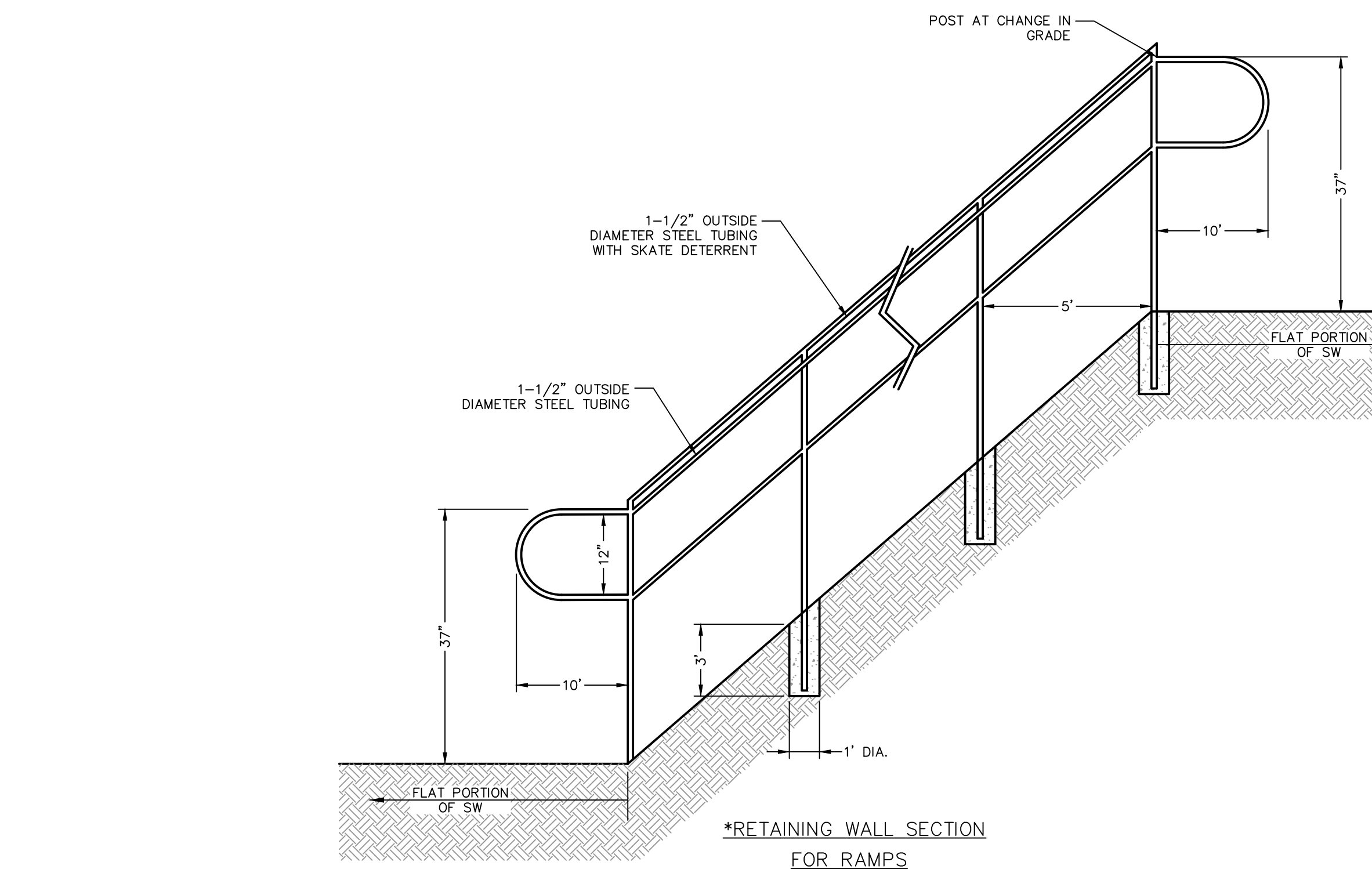
SIDEWALK DRAIN

SCALE: NTS



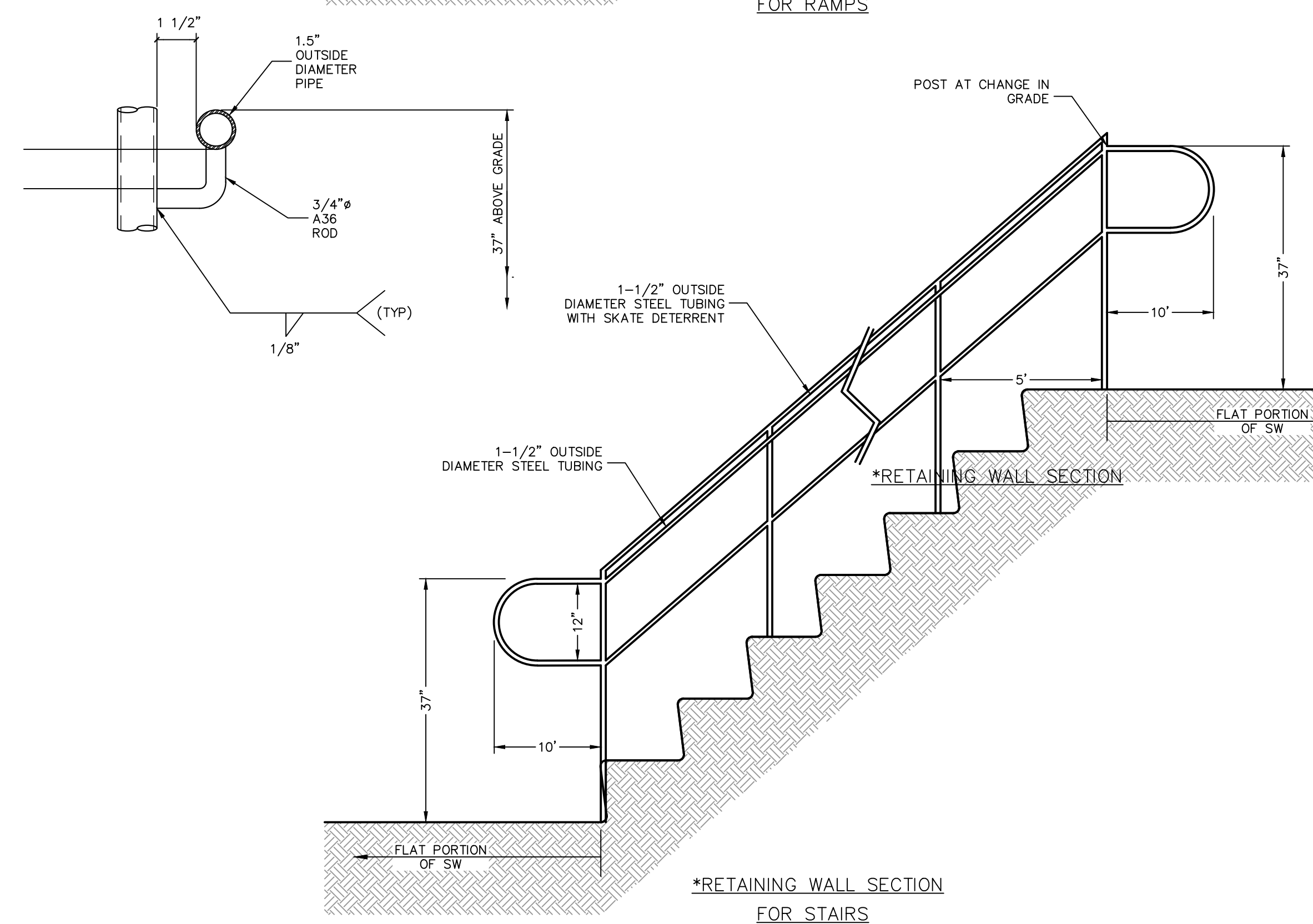
PEX WATER SERVICE TYPICAL INSTALLATION

SCALE: NTS



HANDRAIL DETAIL

SCALE: NTS



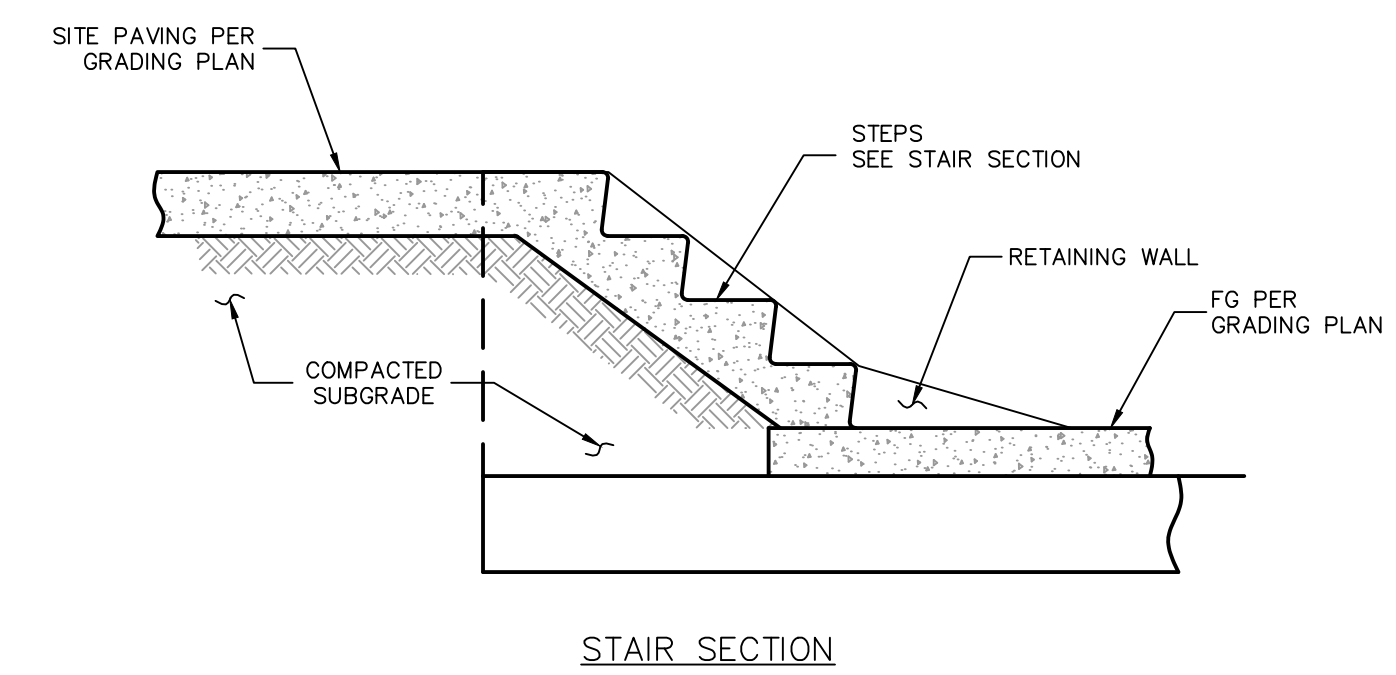
Architectural drawing of a stair section. The drawing shows a concrete landing and stairs. The landing has a height of 10' and a width of 20'. The stairs have a height of 10' and a width of 8'. Reinforcement includes #3 bars at 12" O.C. and #4 bars. A #3 nosing is shown on the stairs. The drawing is labeled "STAIR SECTION".

Diagram illustrating a cross-section of a retaining wall section, showing stairs, a handrail, and reinforcement details.

Key components and dimensions:

- Handrail:** SEE DETAIL 2
- Reinforcement:**
 - (2) #4 CONT.
 - #4 @ 10" EA WAY
 - #5 @ 16" EA WAY
 - (3) #5 CONT.
- Dimensions:**
 - 8"
 - 4'-0" MAX
 - 12"
 - 1'-5"
 - 2'-4"
 - 6" SLAB
- Other Labels:** STAIRS

***RETAINING WALL SECTION**



CONCRETE STAIRS AND RETAINING WALL DETAILS

SCALE: NTS

[illegible][illegible]

PROJECT NO.	DESIGN: TJE
62025-660-1	DRAWN: TJE
	CHECK: LP/JG
	PLOT DATE: 11-17-22
	PLOT TIME: 12:55:01

GCV
ENGINEERS \ SURVEYORS

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcvengineering.com

PRODUCTS: MOI (A022E-601) \ VOLUME PRODUCTION (A022E-660) \ ICH4-CTD WG

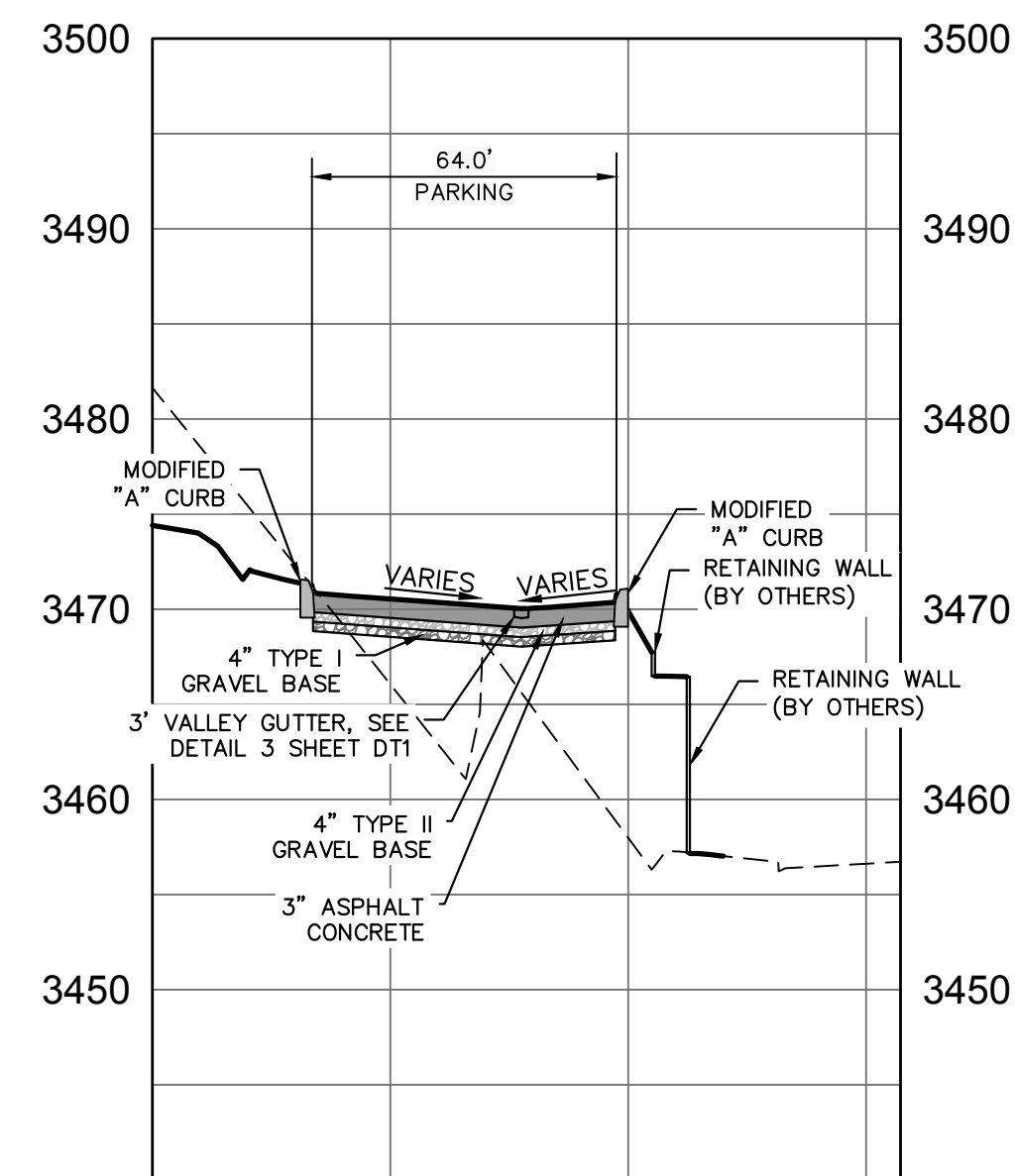
CHRISTIAN SALCEDO

THE HOWARD HUGHES COMPANY, LLC

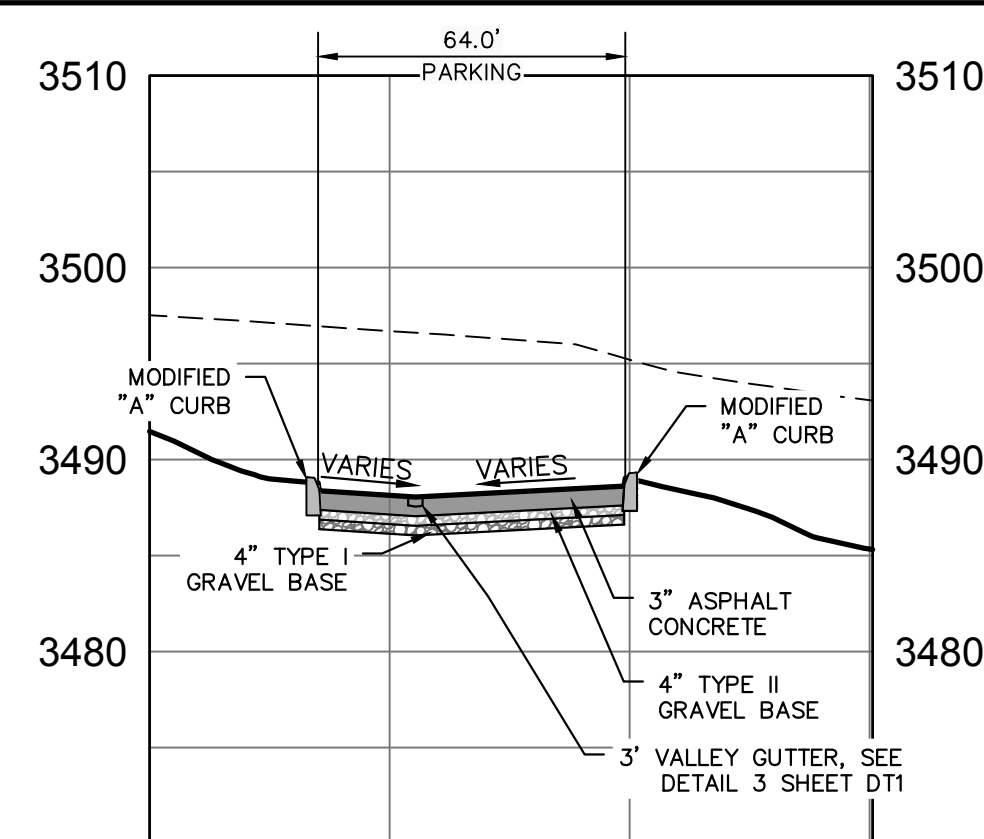
VILLAGE 25 SUMMERLIN COUNCIL PARK
AT GRAND PARK

DETAILS AND SECTIONS 2

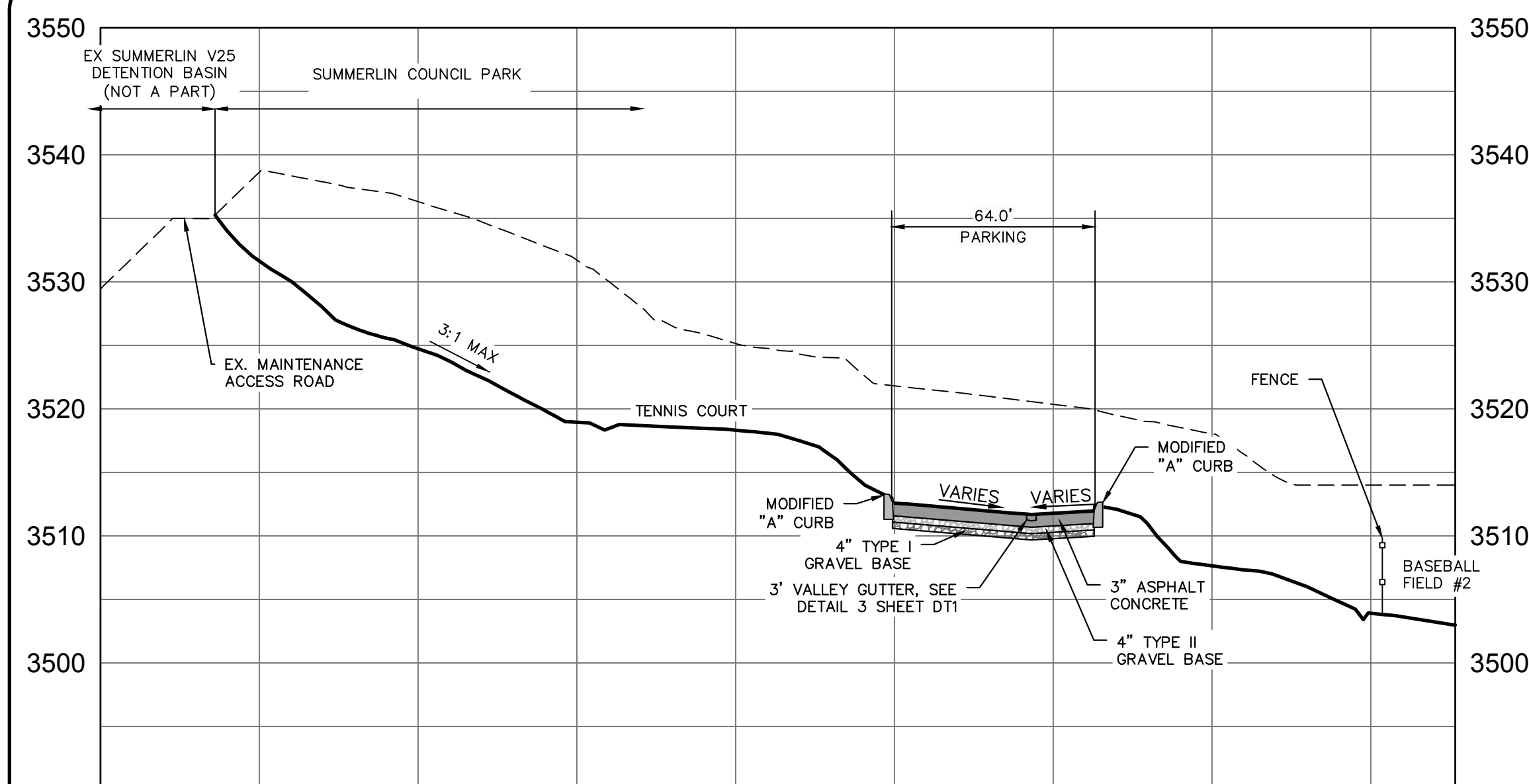
DRAWING
DT2
29 OF 35 SHTS



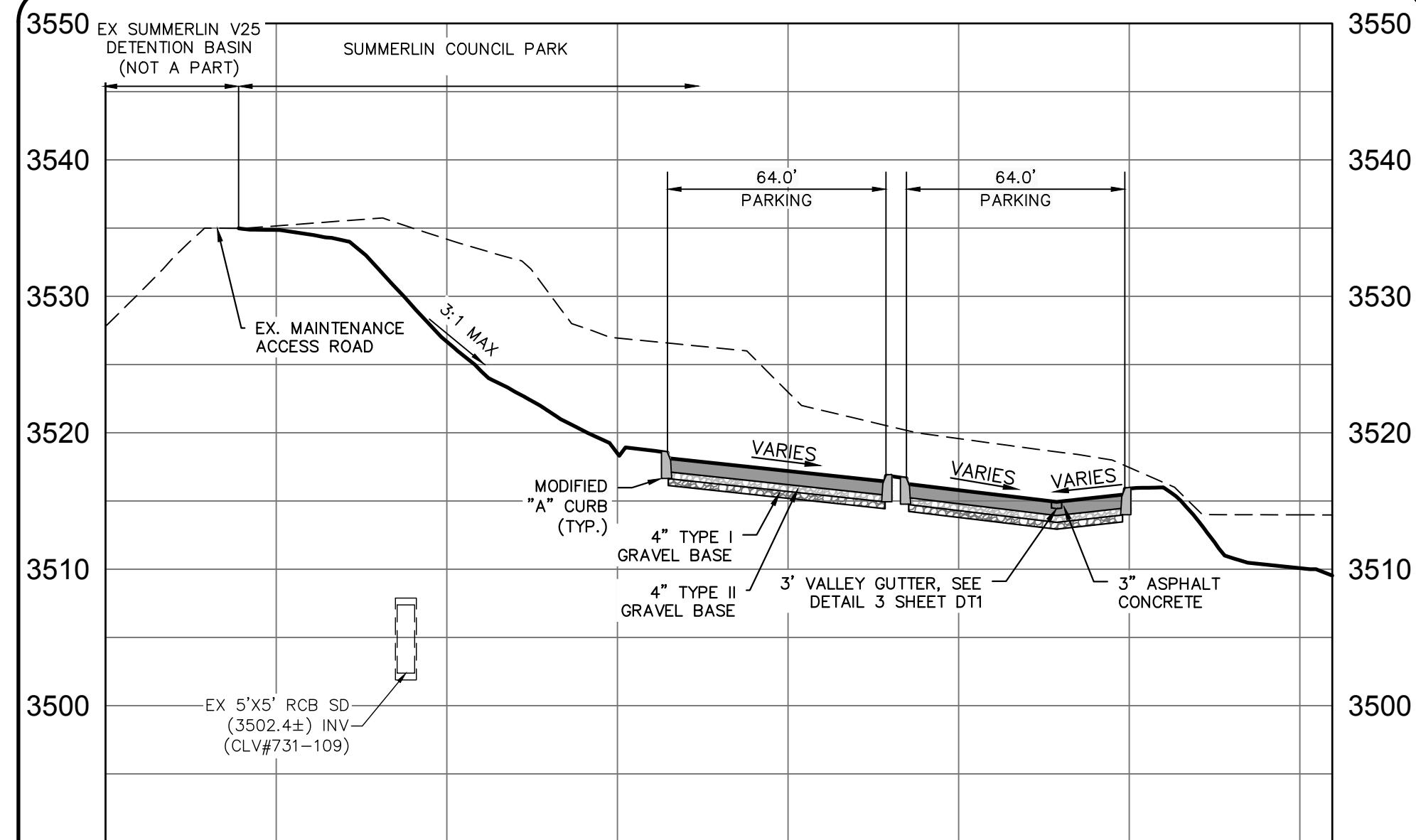
NORTHWEST PERIMETER SECTION



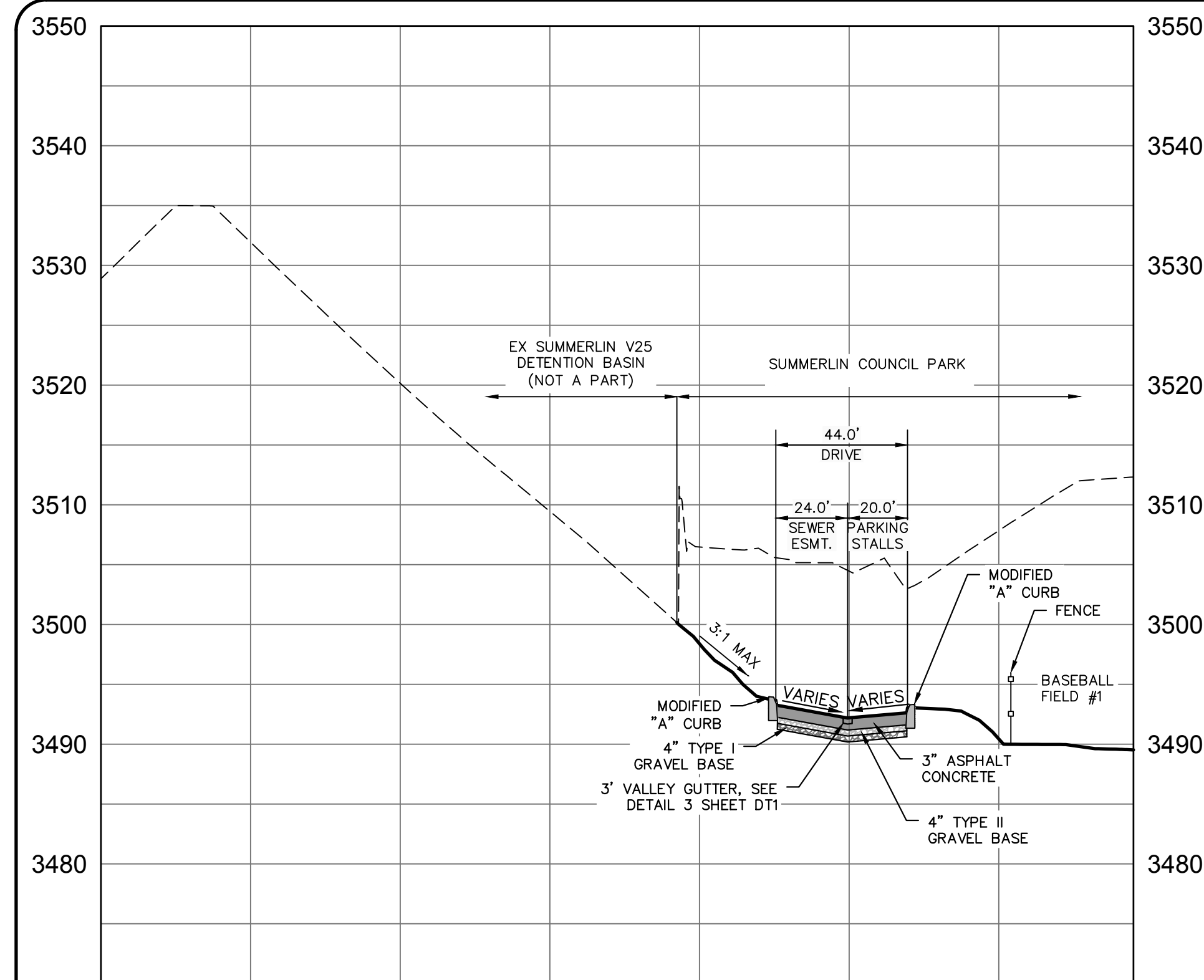
NORTHWEST PERIMETER SECTION



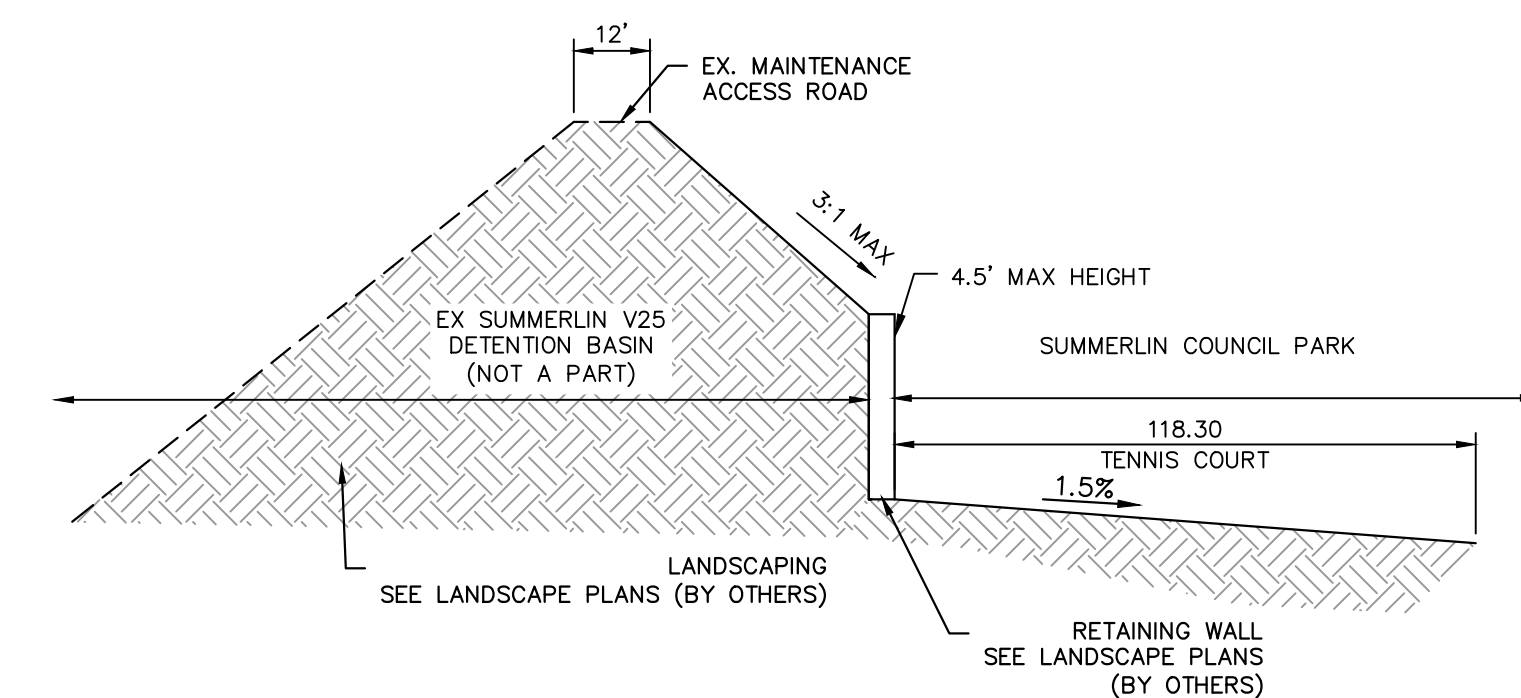
NORTHWEST PERIMETER SECTION



NORTHWEST PERIMETER SECTION



NORTHWEST PERIMETER SECTION



NORTHWEST PERIMETER SECTION