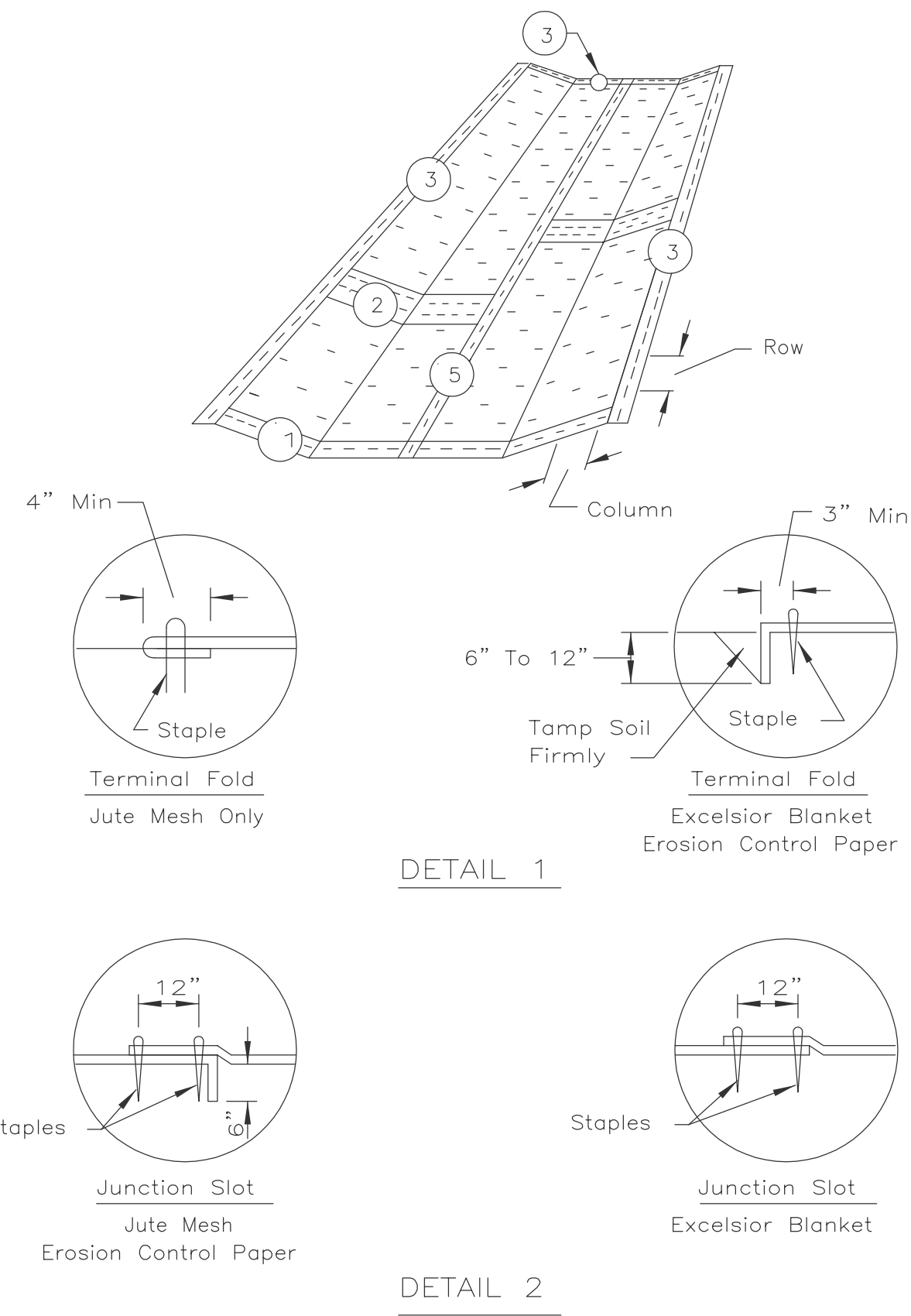


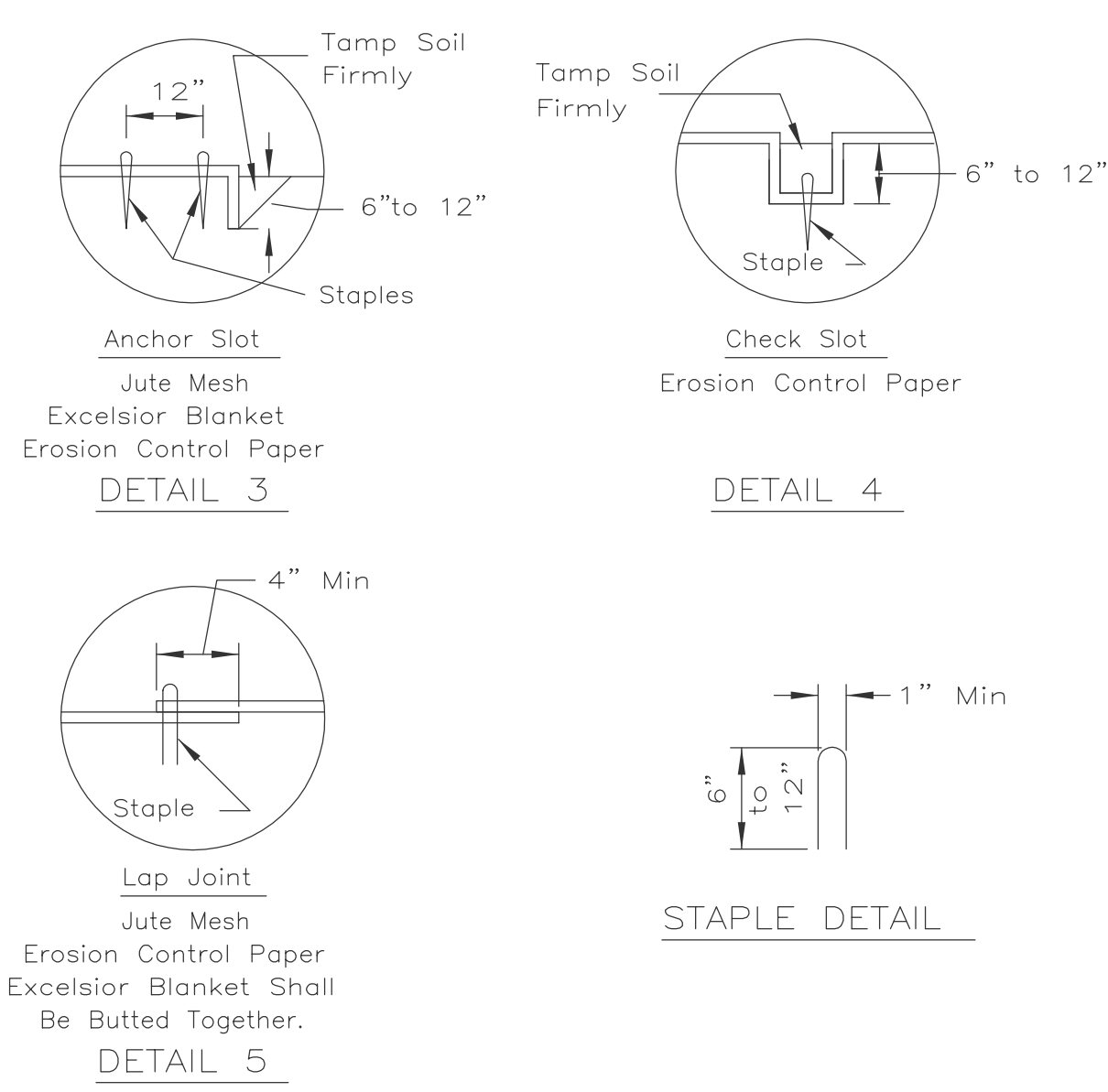
EROSION BLANKET PLAN



DETAIL 1

DETAIL 2

EROSION BLANKET PLAN



DETAIL 3

DETAIL 4

DETAIL 5

NOTES:

- On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
- Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4' x 225' roll of material and 125 staples are required per 4' x 150' roll of material.
- Erosion control material shall be placed loosely over ground surface. Do not stretch.
- All terminal ends and transverse laps shall be stapled at approximately 12" intervals.

REFERENCE Project \_\_\_\_\_ Date \_\_\_\_\_  
 Checked \_\_\_\_\_ Date \_\_\_\_\_  
 Approved \_\_\_\_\_ Date \_\_\_\_\_

STANDARD DWG. NO. IL-530  
 SHEET 1 OF 2  
 DATE 5-24-94

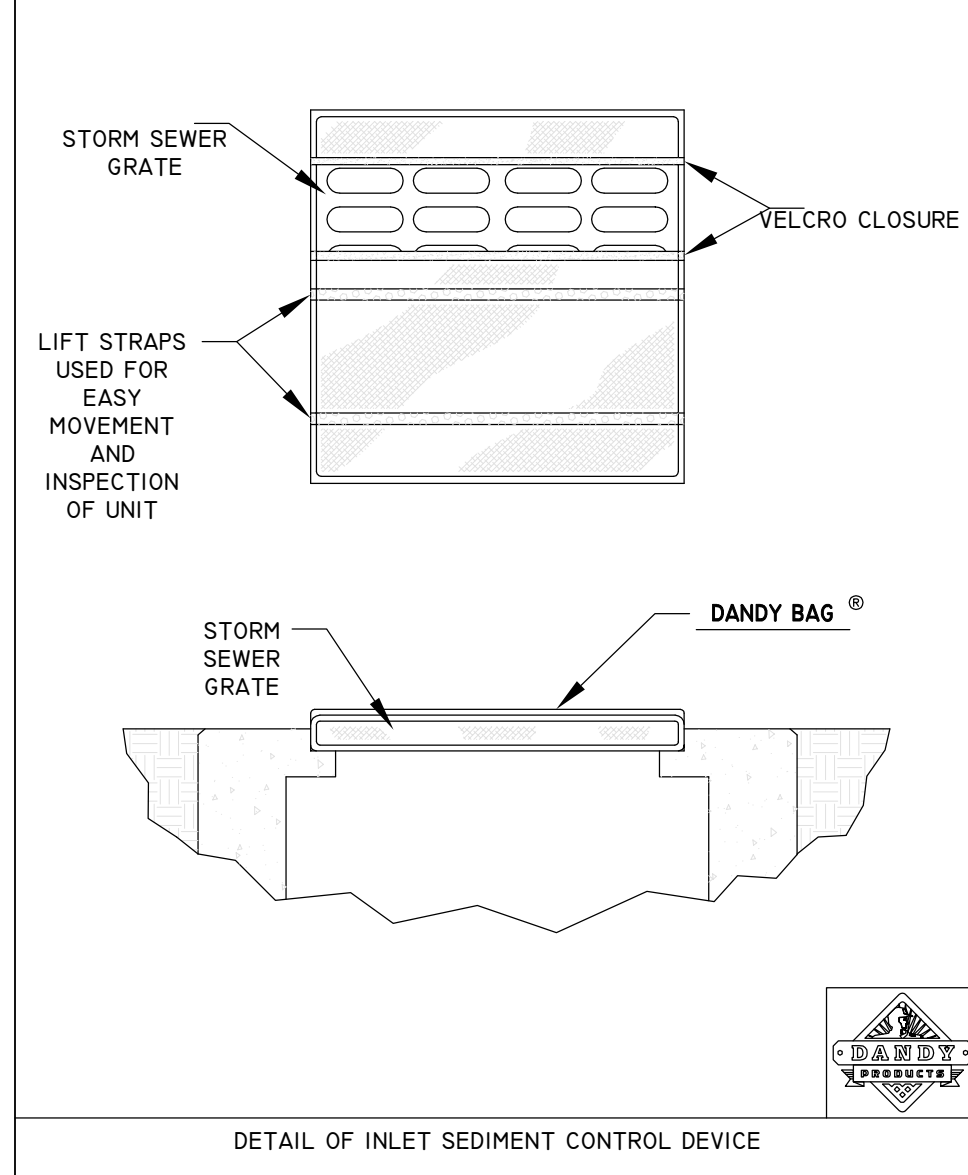
**NRCS**  
 Natural Resources Conservation Service

REFERENCE Project \_\_\_\_\_ Date \_\_\_\_\_  
 Checked \_\_\_\_\_ Date \_\_\_\_\_  
 Approved \_\_\_\_\_ Date \_\_\_\_\_

STANDARD DWG. NO. IL-530  
 SHEET 2 OF 2  
 DATE 3-1-95

**NRCS**  
 Natural Resources Conservation Service

DANDY BAG®



PROJECT: \_\_\_\_\_ DR. BY: \_\_\_\_\_  
 CITY/STATE: \_\_\_\_\_ DATE: \_\_\_\_\_ DR. NO: \_\_\_\_\_

DANDY BAG® SPECIFICATIONS

NOTE: THE DANDY BAG® WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4633	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4355	%	99
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal/min/ft²)	5907 (1450)
Permeability	ASTM D 4491	Sec	2.1

\*Note: All Dandy Bags® can be ordered with our optional oil absorbent pillows

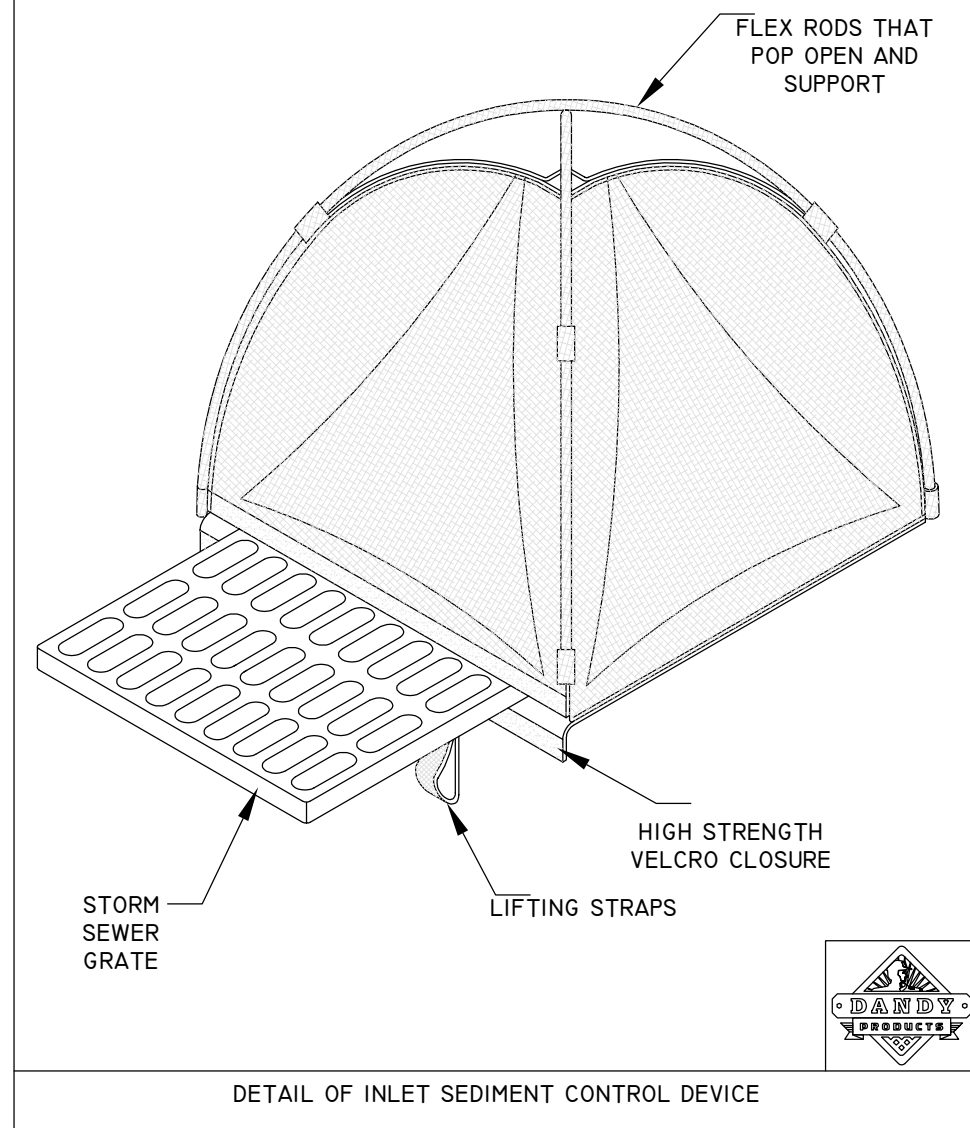
DANDY POP® SPECIFICATIONS

NOTE: THE DANDY POP® WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

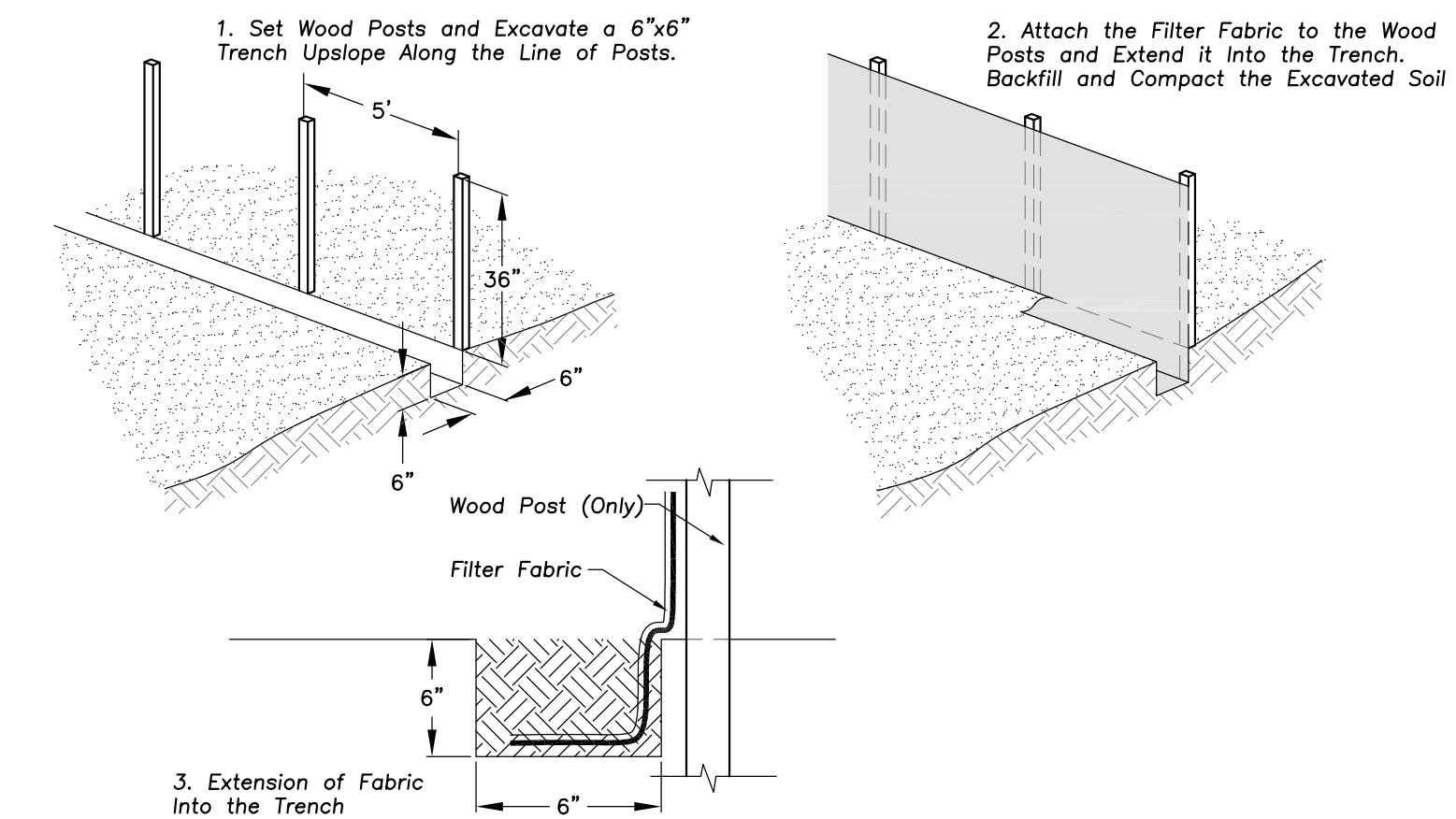
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4633	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4355	%	99
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal/min/ft²)	5907 (1450)
Permeability	ASTM D 4491	Sec	2.1

\*Note: All Dandy Pops® can be ordered with our optional oil absorbent pillows

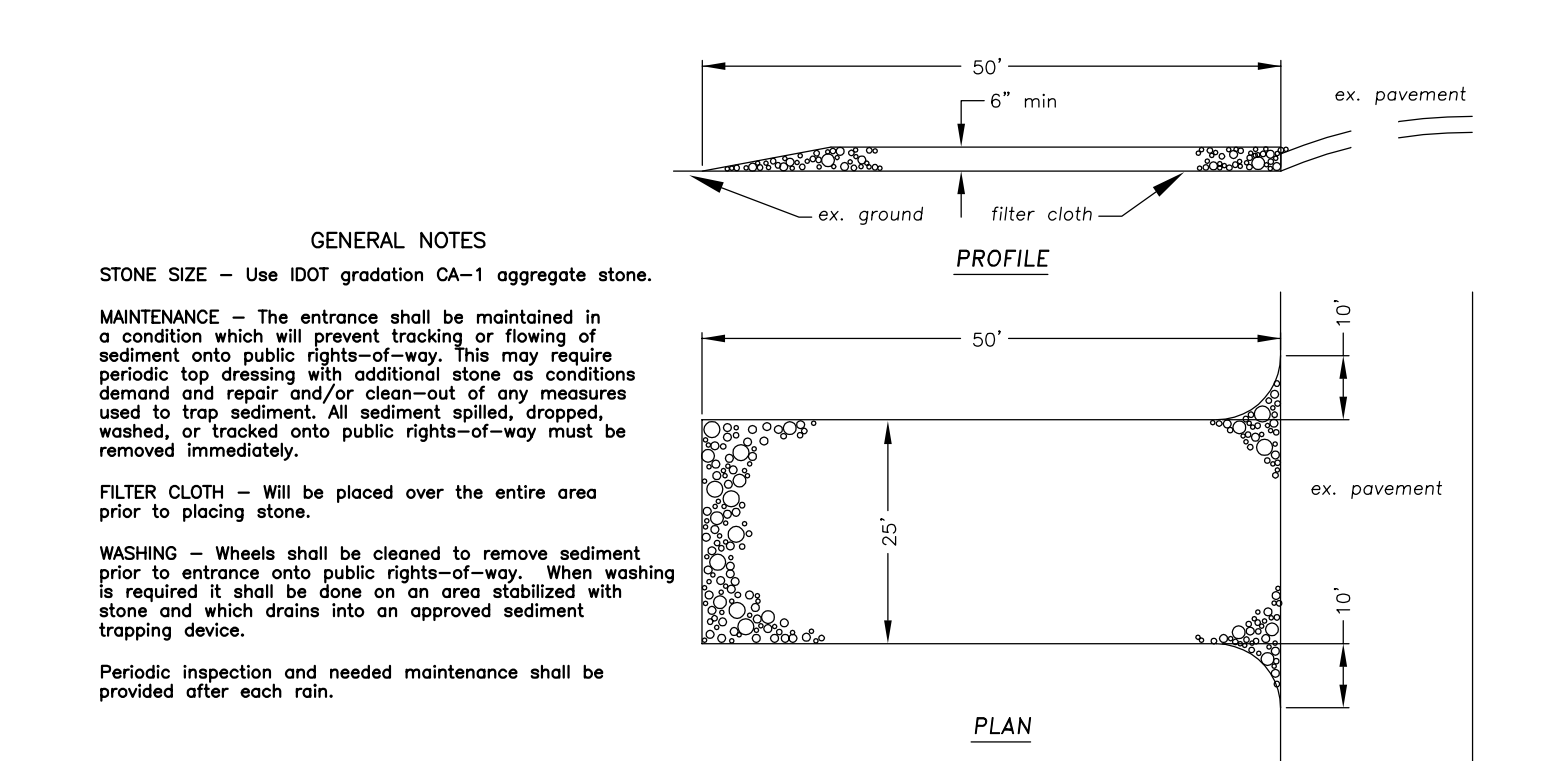
DANDY POP®



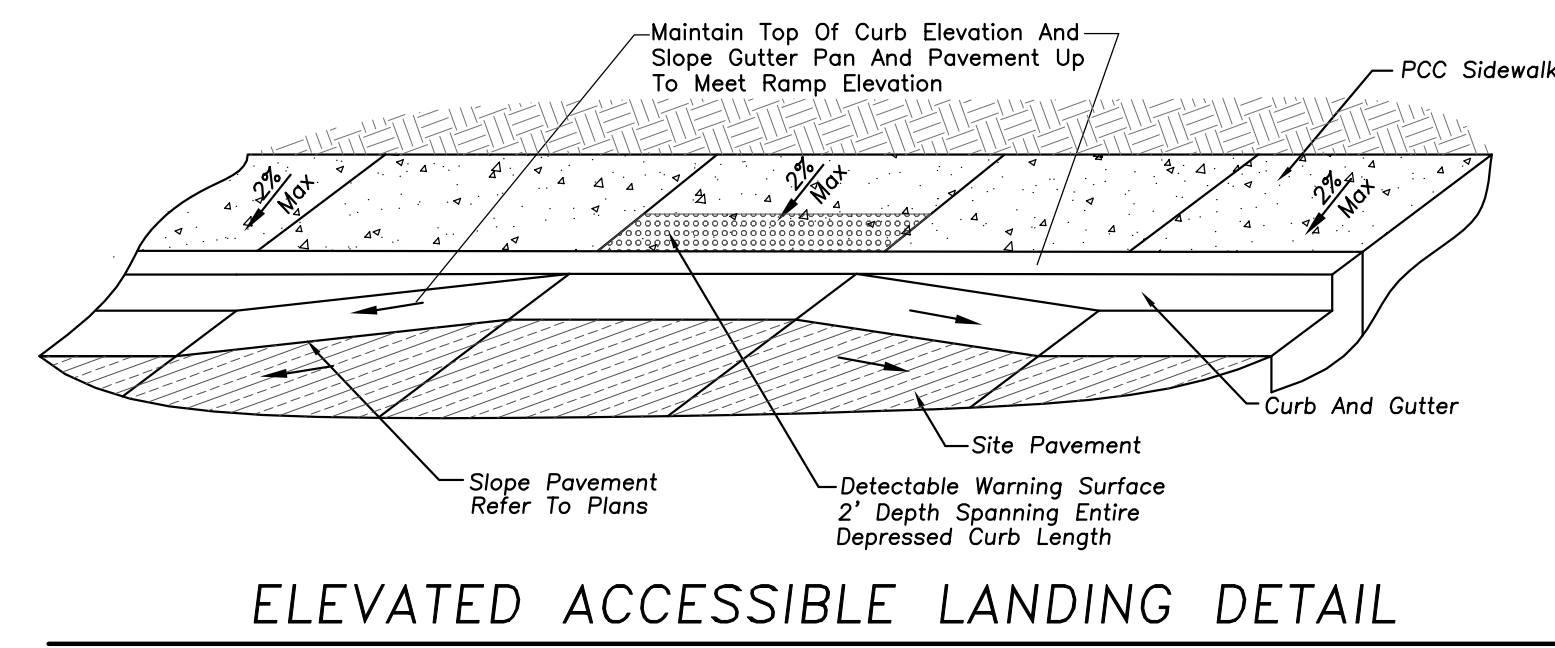
PROJECT: \_\_\_\_\_ DR. BY: \_\_\_\_\_  
 CITY/STATE: \_\_\_\_\_ DATE: \_\_\_\_\_ DR. NO: \_\_\_\_\_



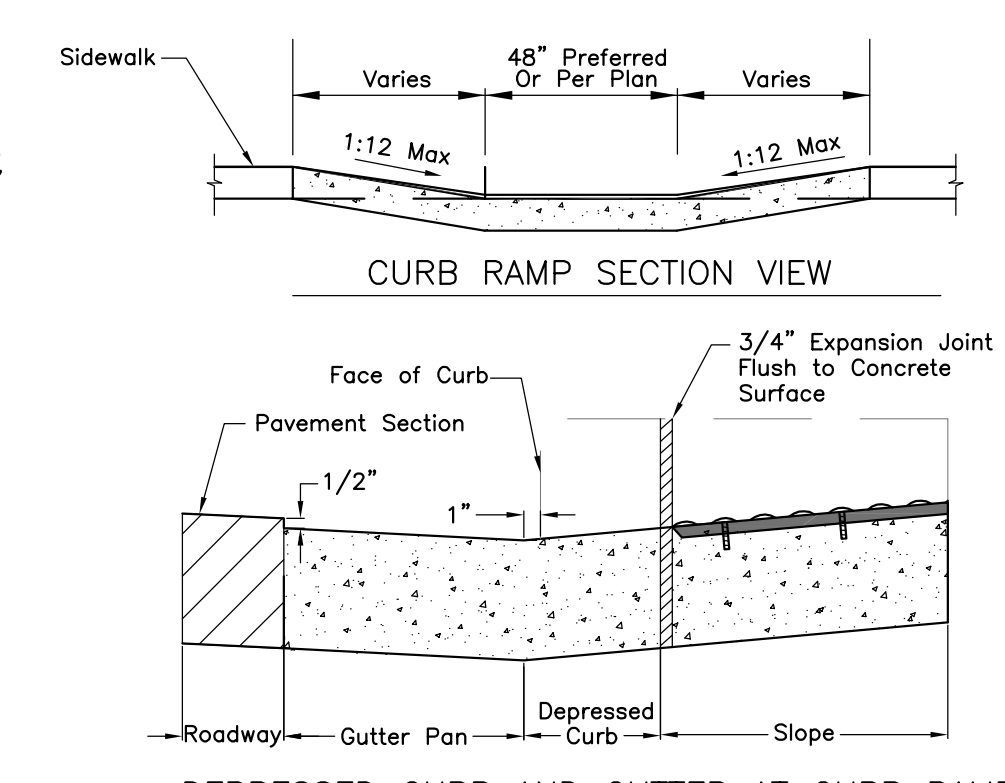
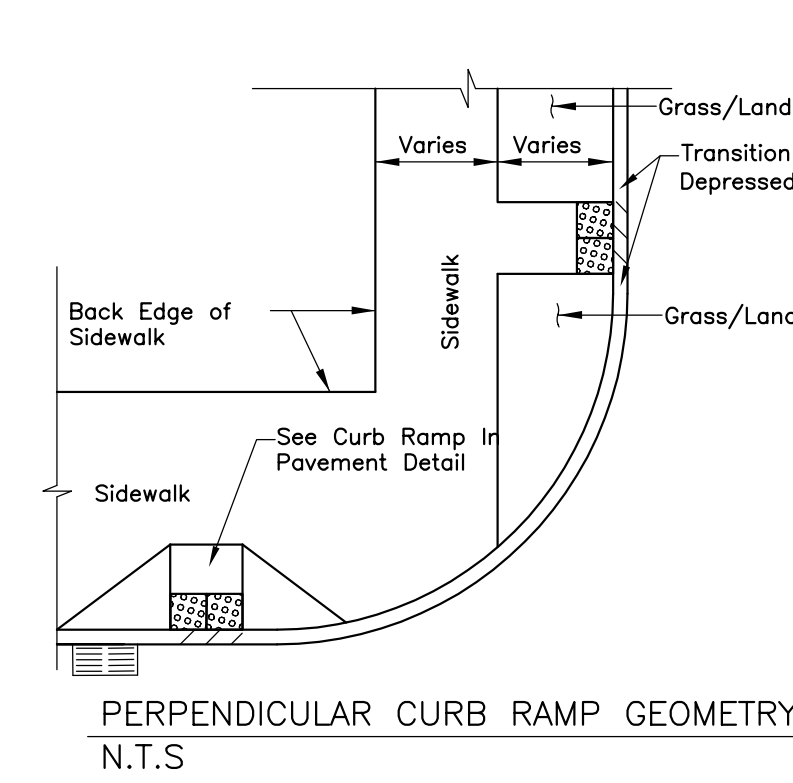
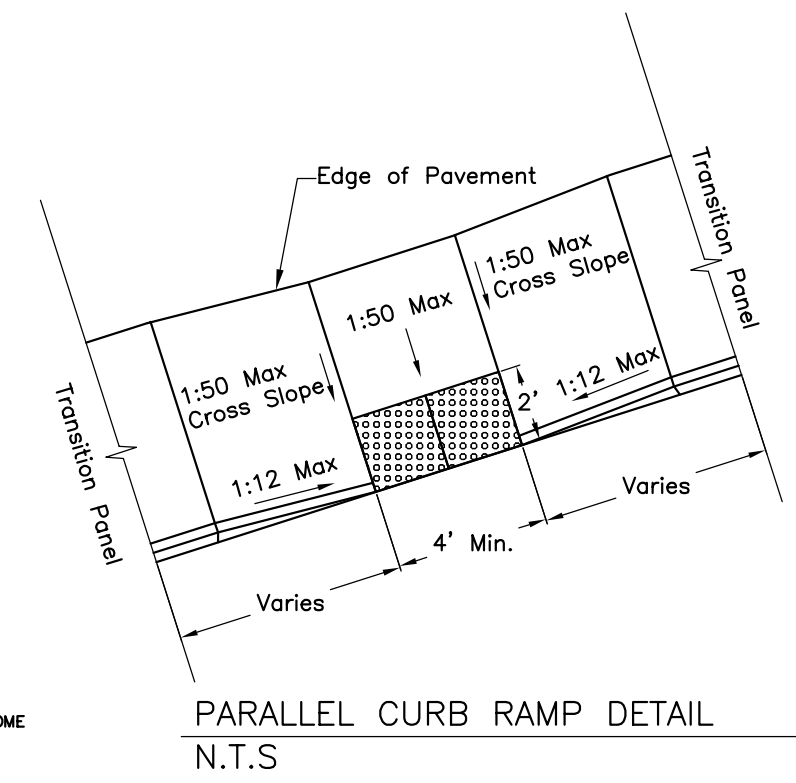
SILT FENCE CONSTRUCTION (AASHTO 288-00)



STABILIZED CONSTRUCTION ENTRANCE



ELEVATED ACCESSIBLE LANDING DETAIL



**GENERAL NOTES**

**Description:**  
 This work shall consist of constructing sidewalk curb ramps with detectable warnings in compliance with the Americans with Disabilities Act, Accessibility Guidelines (ADAAG). The detectable warnings shall consist of an area of truncated domes that provide both visual and tactile cues to pedestrians who are about to enter into traffic.

The detectable warnings shall present a contrast in color from the adjacent sidewalk.

**Construction Requirements:**

- Ramps Shall be Located As Shown On Plans In Alignment With Normal Sidewalk And/or Crosswalk And Shall Have Sufficient Curb Length At Corner Radius To Prevent Vehicular Encroachment.
- Curb Ramps At Marked Crossings Shall be Wholly Contained Within The Markings Excluding Flared Sides.
- In No Case Shall Expansion Joints That Are Constructed In Curbs And Gutters At Or Near Corner Radiuses Be Located Within The Accessible Ramp Areas.
- Where Preformed Joint Filler (p-j-f) Is Installed Against A Curved Surface, The Contractor Shall Use A Flexible Filler In Accordance With The Illinois Department Of Transportation (IDOT) Standard Specifications.

**Equipment:** Equipment for the detectable warning area of the curb ramps shall meet the requirements of the Authorities having Jurisdiction.

**DETECTABLE WARNING SURFACE TILES**

Provide Surface Applied Detectable/Tactile Warning Surface Tiles which comply with the detectable warnings on walking surfaces section of the Americans with Disabilities Act (Title III Regulations, 28 CFR Part 36 ADA STANDARDS FOR ACCESSIBLE DESIGN, Appendix A, Section 4.29.2)

Dimensions: Cast In Place Detectable/Tactile Warning Surface Tiles shall be held within the following dimensions and tolerances:  
 Length and Width in One of the Following as Necessary for the Dimensions of the Surface in Which the Detectable Warning is Proposed: 12x12 24x24 24x36 24x48 24x60 36x48 36x60 nominal. No Cutting of Tiles is Allowed.

Installation of Detectable/Tactile Warning Surface Tiles Per Manufacturer's Instructions.

Verify With the Local Authorities Having Jurisdiction that Detectable/Tactile Warning Surface Tiles are an Acceptable Method of Providing for the Detectable Warning Surface.

Panel Materials To Be East Jordan Iron Works 24"x24" Panels, Or Approved Equal.

ACCESSIBLE RAMPS FOR SIDEWALKS

**ERIKSSON ENGINEERING ASSOCIATES, LTD.**

145 COMMERCE DRIVE, SUITE A  
 GRAYBLAKE, ILLINOIS 60030  
 PHONE (847) 223-4804  
 FAX (847) 223-4864  
 EMAIL INFO@EEA-LTD.COM

PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 184-003220  
 EXPIRES: 04/30/2019

**ARLINGTON DOWNS**  
**PHASE 2 CONSTRUCTION**  
 3400 W Euclid Avenue  
 Arlington Heights, Illinois

Reserved for Seal:

Expiration Date: 11/19

No.	Date	Description
04/04/18	Issued For PUD Amendment	
05/08/18	Revised Per Village	
06/22/18	Revised Per Village	

DESIGN BY: PD DATE: 04/04/18  
 APPROVED BY: \_\_\_\_\_ PROJECT NO: \_\_\_\_\_

SHEET TITLE:  
**SITE DETAILS**

SHEET NO:  
**C4.01**

Reserved for Seal:

Expiration Date: 11/19

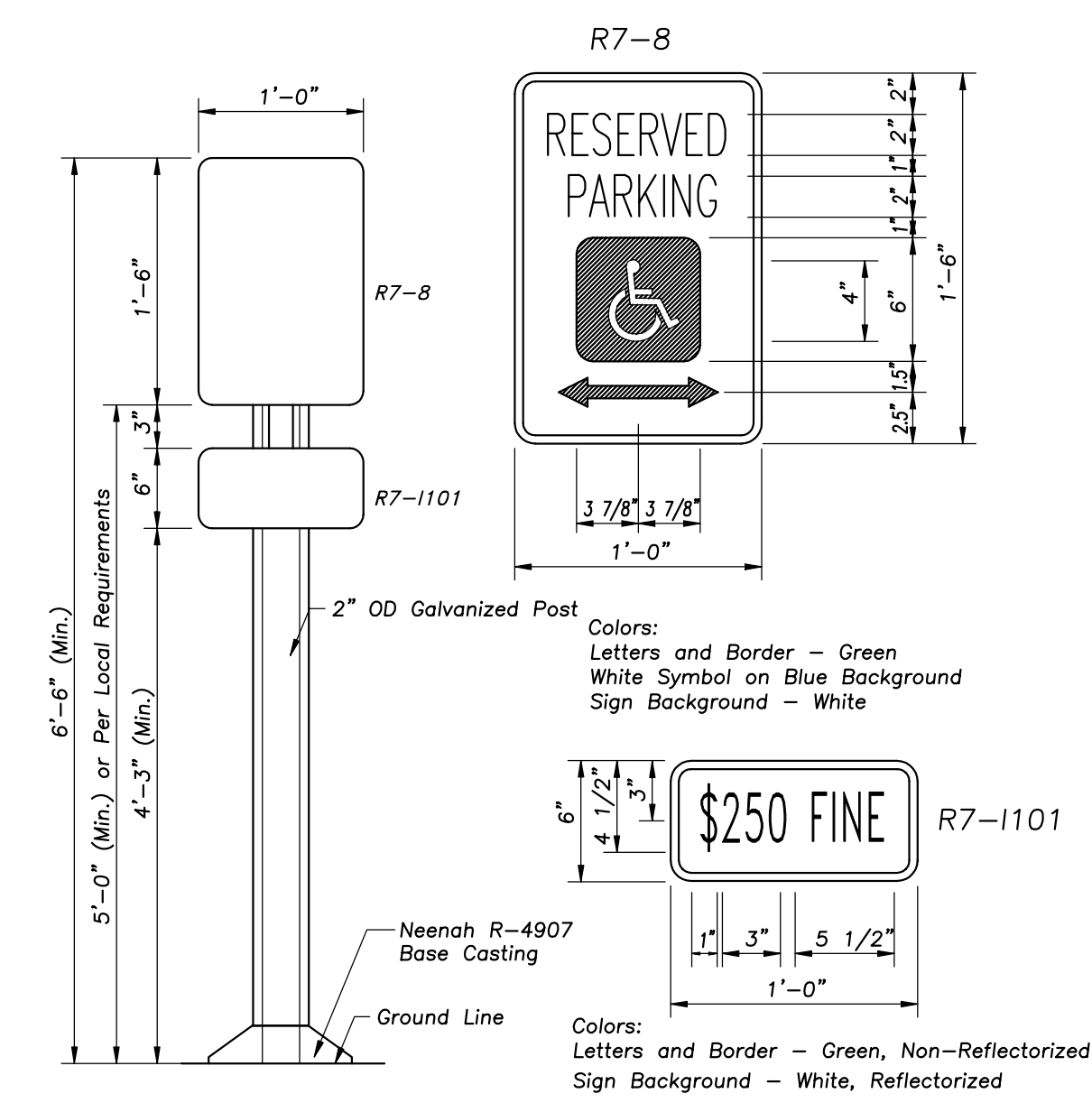
No.	Date	Description
04/04/18		Issued For PUD Amendment
05/08/18		Revised Per Village
06/22/18		Revised Per Village

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CONSENT OF ERIKSSON ENGINEERING ASSOCIATES, LTD.

Design By:	PD	Date:	04/04/18
Approved By:		Project No.:	

Sheet Title:  
**SITE DETAILS**

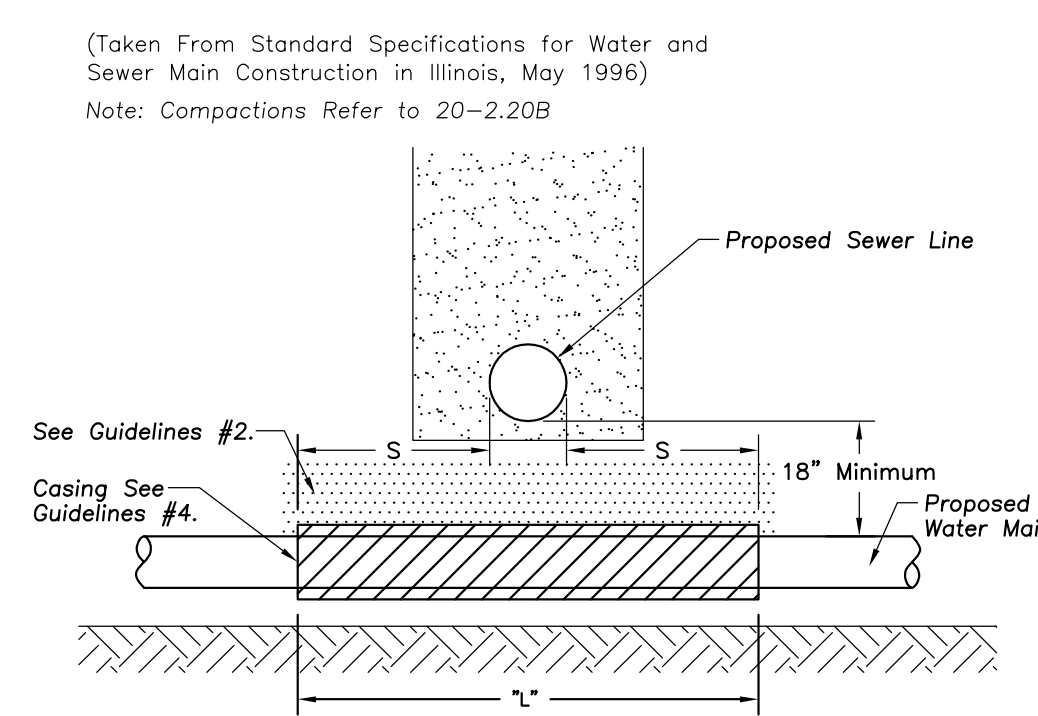
Sheet No:  
**C4.02**



Notes: Dimensions shown for cross sections are minimum.  
3'-6" Post Bury Depth.  
Post shall weigh 2.00 lb/ft length.  
One in Six Accessible Parking Spaces Must be Van Accessible. Minimum of One Van Accessible Spaces Have the Same Requirement Except They Must Also Have 96" of Clear Vertical Space.

**ACCESSIBLE PARKING SIGN**

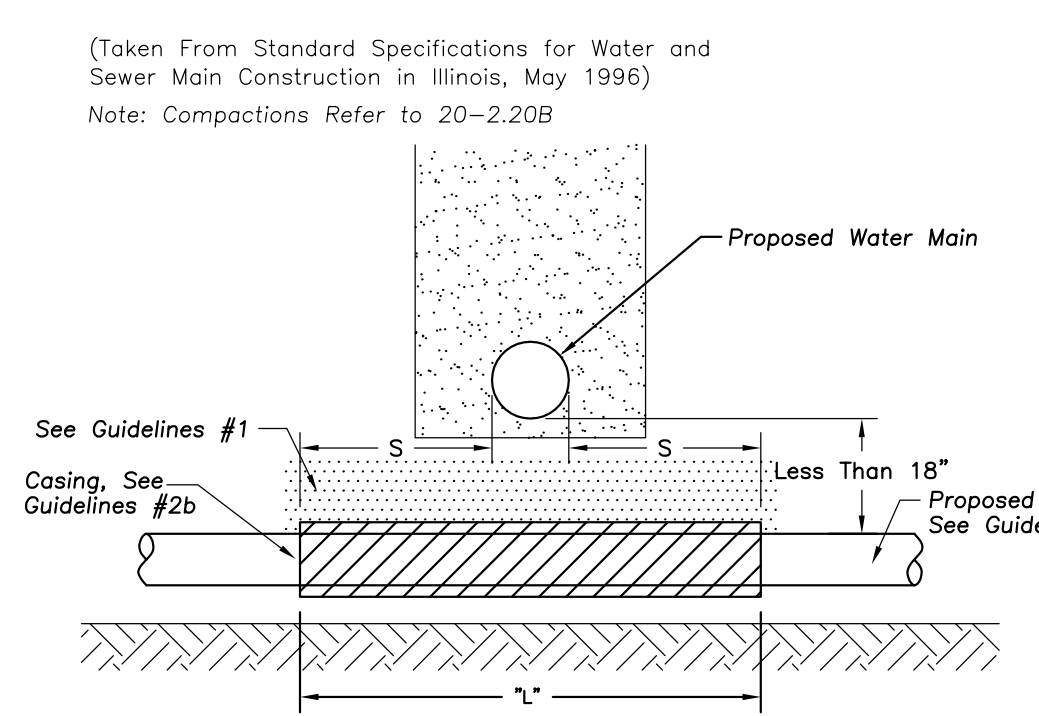
**SIGN POST DETAIL**



**Proposed Water Main Below Existing Sewer Line With 18" Minimum Vertical Separation.**

Notes: "S" is the length necessary to provide 10 feet of separation and measured perpendicular to existing sewer line.

Guidelines:  
1. Omit select granular embedment and granular backfill to one (1) foot over top of watermain and use select excavated material (Class IV) and compact the length of "L".  
2. If select granular backfill exists, remove within width of existing sewer line trench and replace with select excavated material (Class IV) and compact.  
3. Provide adequate support for existing sewer line to prevent damage due to settlement.  
4. Use "L" feet of water main material for casing of proposed sewer main and seal ends of casing.

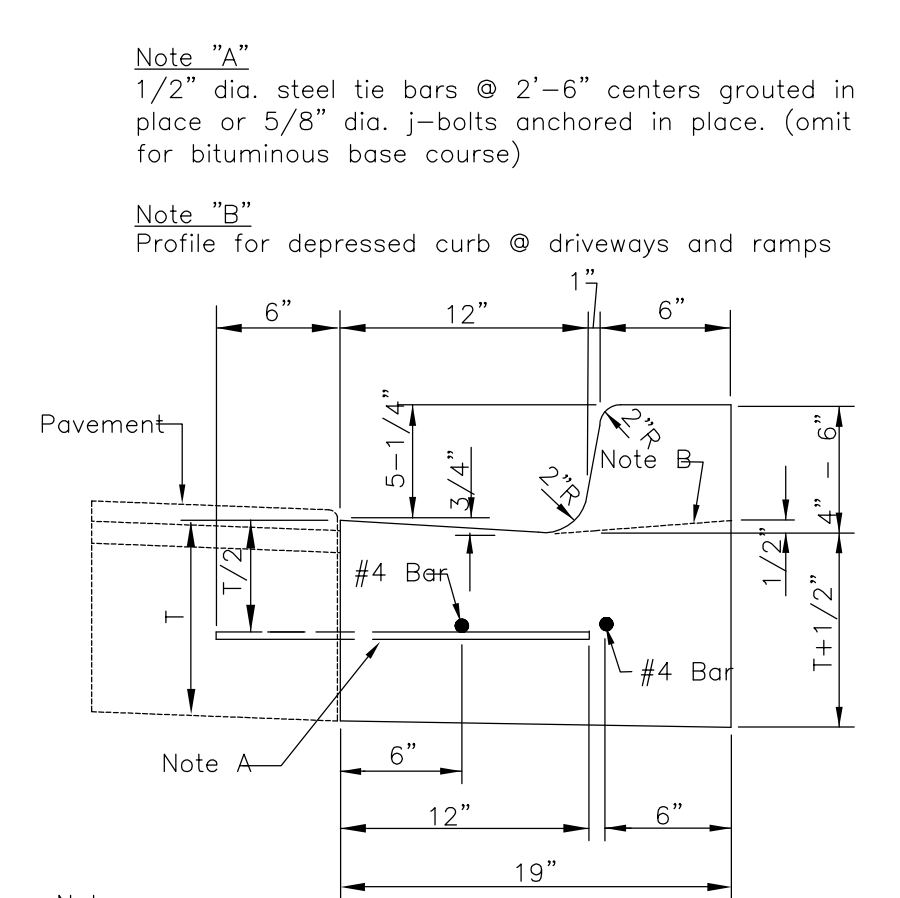


**Proposed Sewer Line Below Existing Water Main With Less Than 18" Vertical Separation**

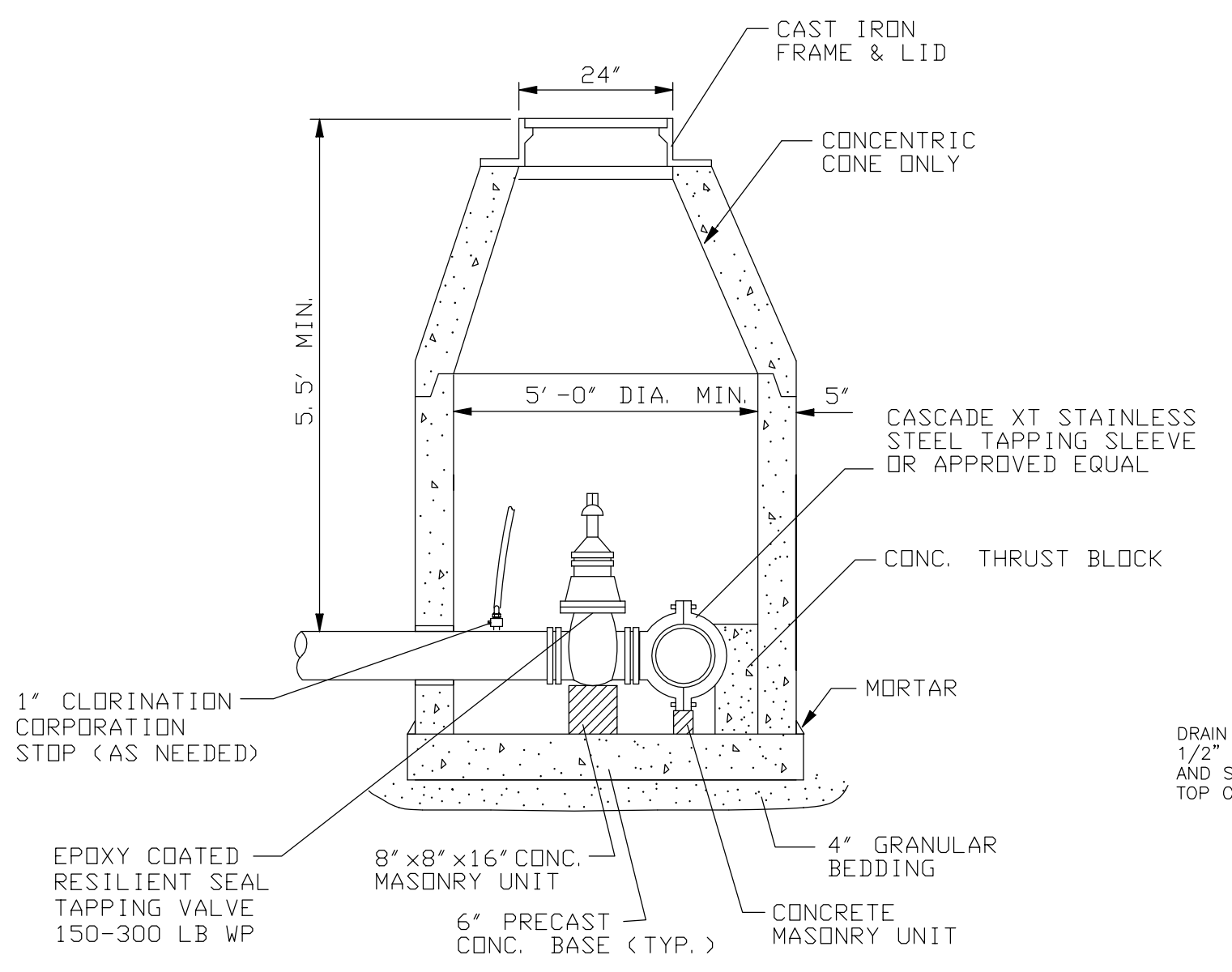
Notes: "S" is the length necessary to provide 10 feet of separation and measured perpendicular to existing sewer line.

Guidelines:  
1. Omit select granular embedment and granular backfill to one (1) foot over top of watermain and use select excavated material (Class IV) and compact for "S" feet on each side of water main.  
2a. Construct "L" feet of proposed sewer or water main material and pressure test, or:  
2b. Use "L" feet of water main material for casing of proposed sewer and seal ends of casing.  
3. Provide adequate support for existing water main to prevent damage due to settlement of sewer trench.

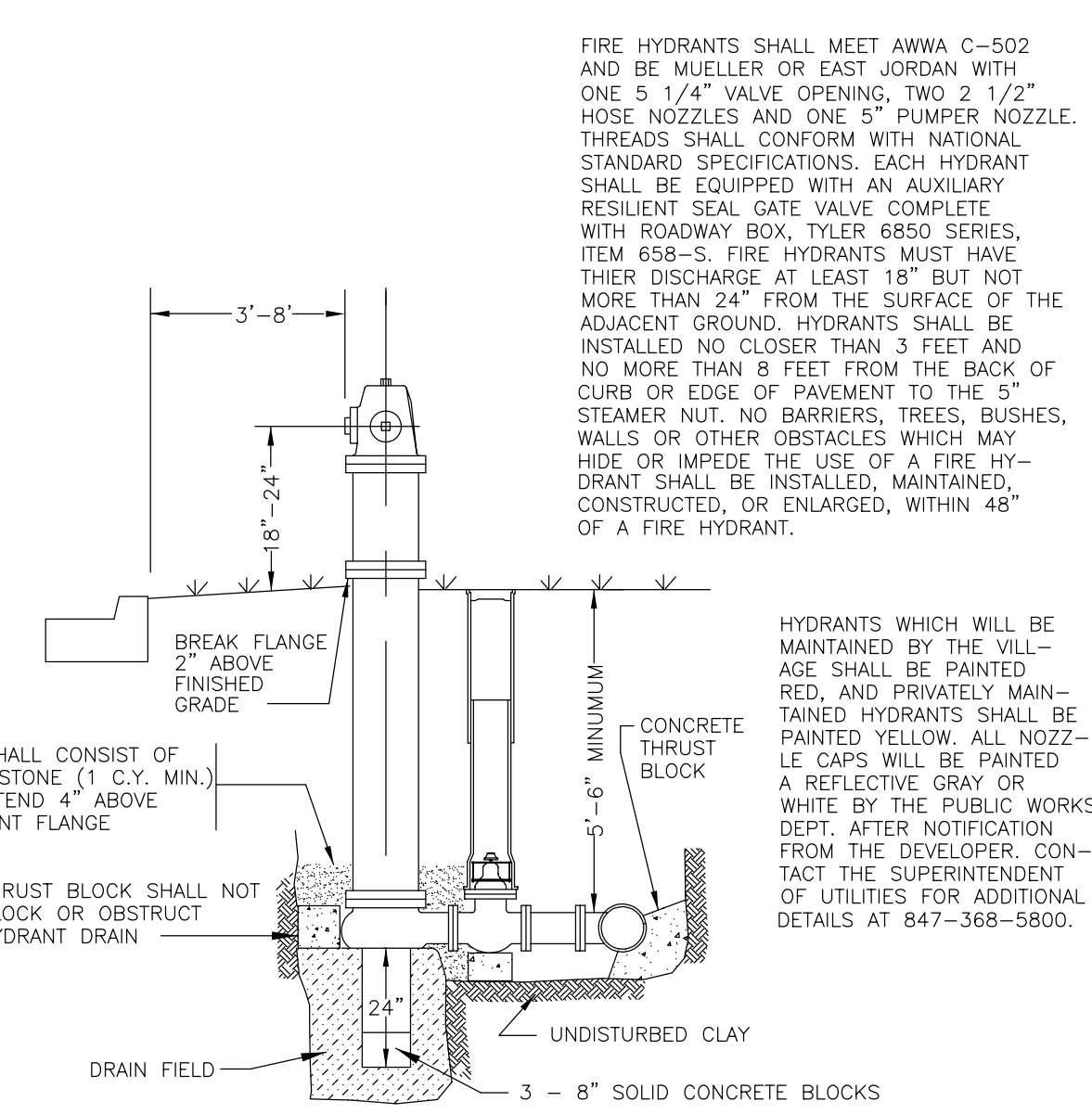
**WATER AND SEWER SEPARATION REQUIREMENTS**



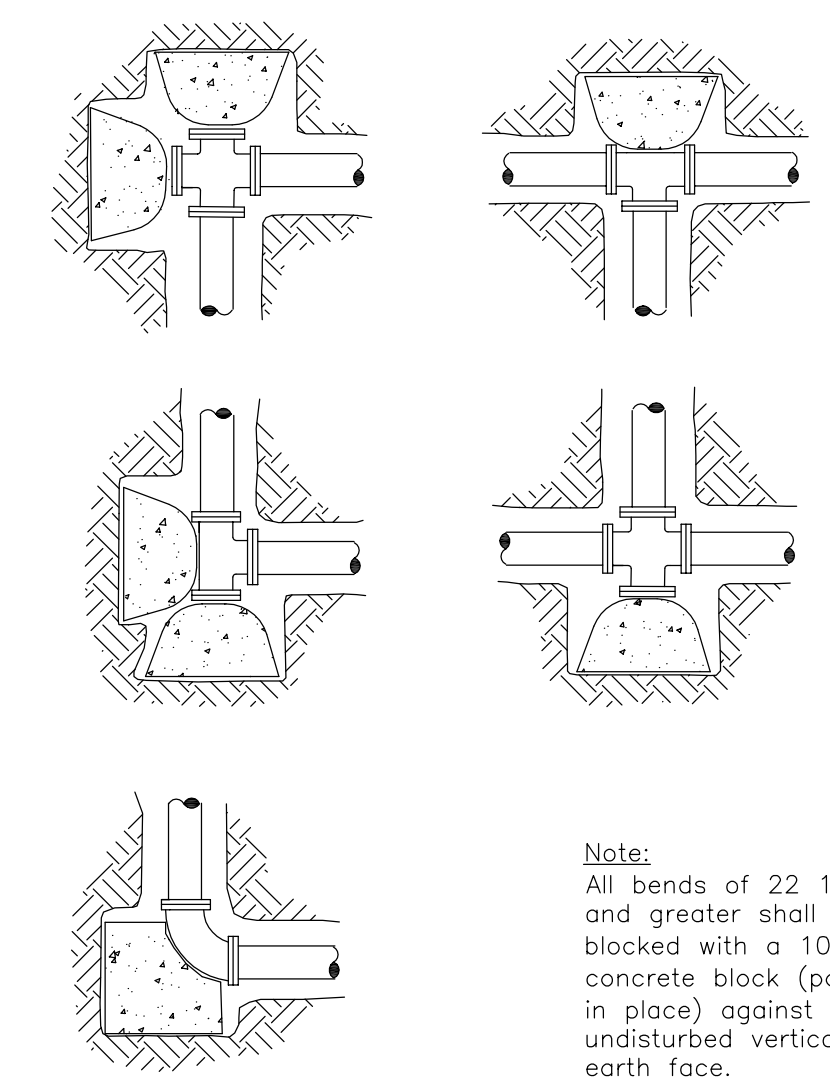
**BARRIER TYPE CURB**



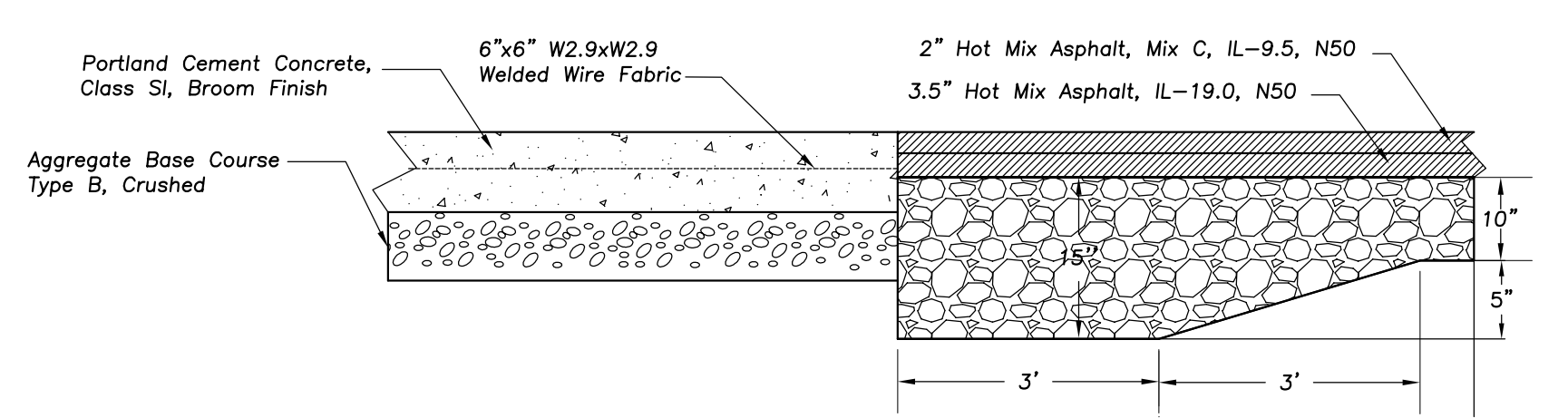
**VALVE VAULT, TYPE A W/ PRESSURE CONNECTION**



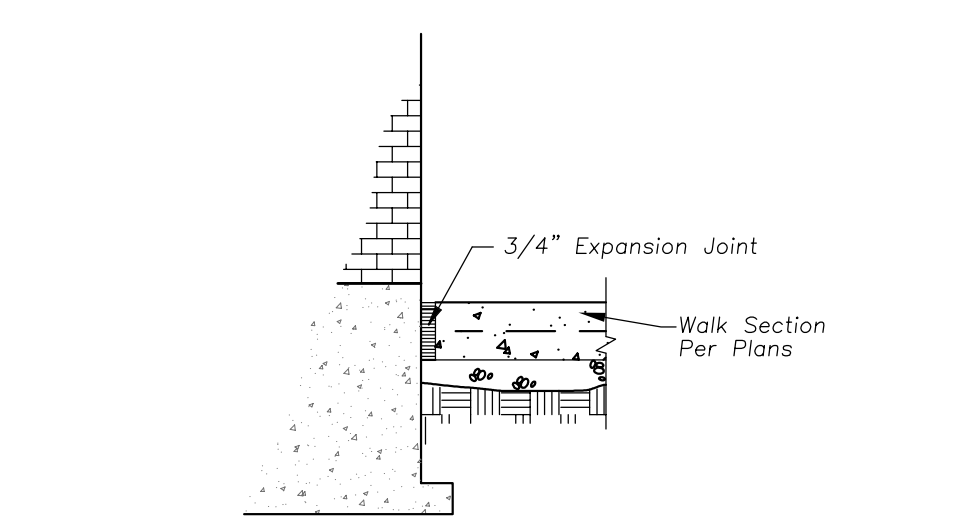
**FIRE HYDRANT**



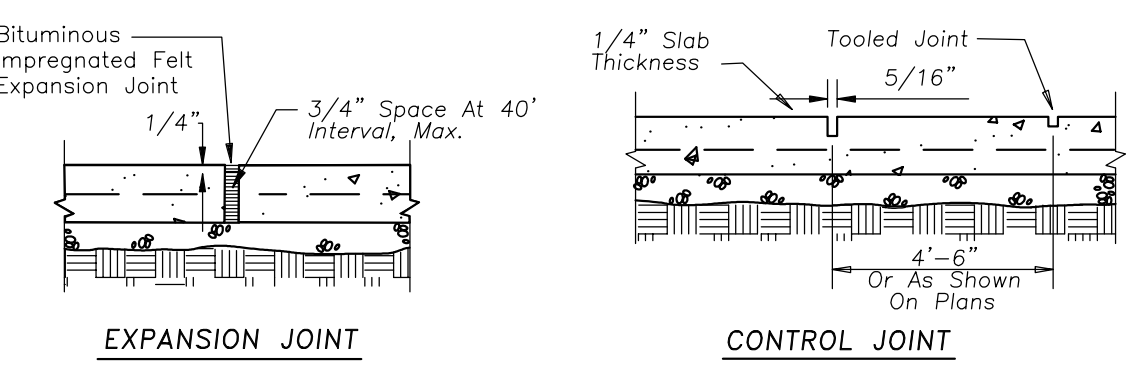
**THRUST BLOCK INSTALLATIONS**



**CONCRETE TO ASPHALT CHANGE OF PAVEMENT SECTION**

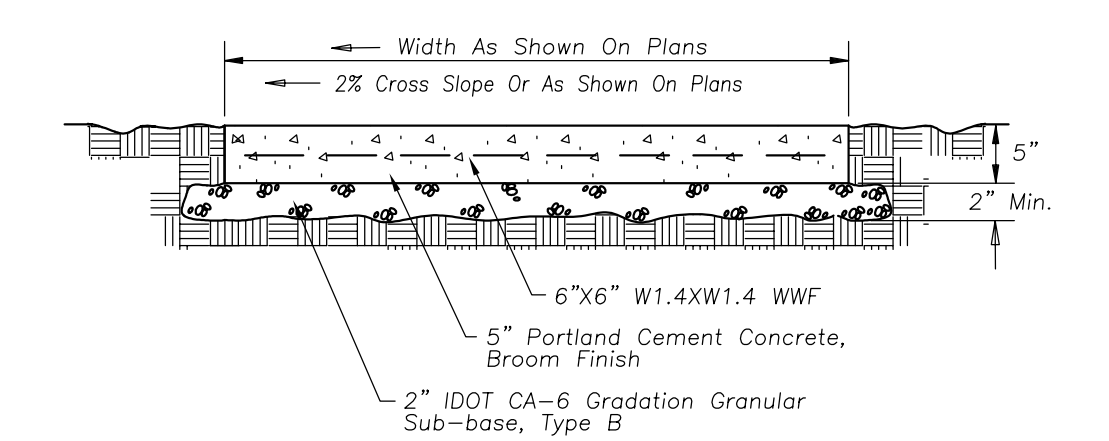


**WALK ADJACENT TO BUILDING**

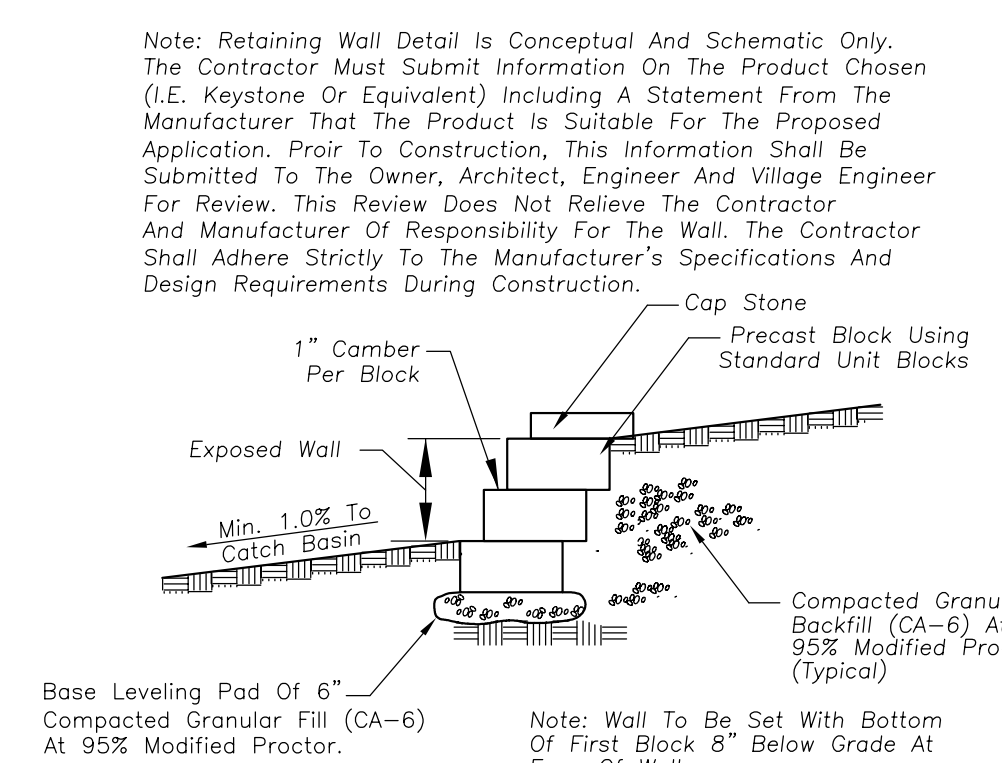


**EXPANSION JOINT**

**CONTROL JOINT**

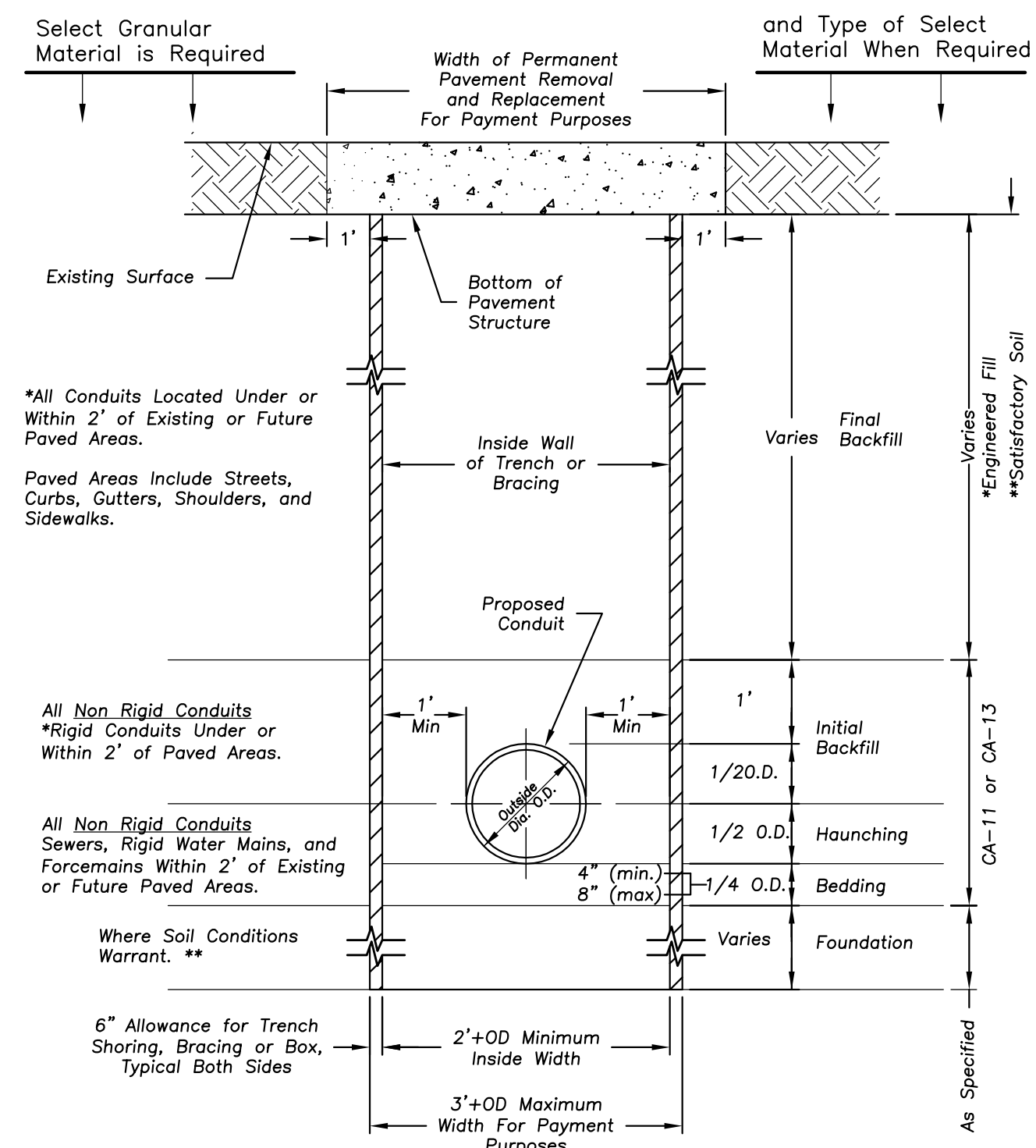


**PORTLAND CEMENT CONC. SIDEWALK**



**Precast Unit Retaining Wall**





Select Granular Material is Required and Type of Select Material When Required

Width of Permanent Pavement Removal and Replacement For Payment Purposes

Existing Surface

Bottom of Pavement Structure

Inside Wall of Trench or Bracing

Proposed Conduit

Final Backfill

Initial Backfill

Haunching

Bedding

Foundation

Varies

CA-11 or CA-13

As Specified

\*All Conduits Located Under or Within 2' of Existing or Future Paved Areas.

Paved Areas Include Streets, Curbs, Gutters, Shoulders, and Sidewalks.

All Non Rigid Conduits \*Rigid Conduits Under or Within 2' of Paved Areas.

All Non Rigid Conduits Sewers, Rigid Water Mains, and Force mains Within 2' of Existing or Future Paved Areas.

Where Soil Conditions Warrant. \*\*

6" Allowance for Trench Shoring, Bracing or Box, Typical Both Sides

2'+OD Minimum Inside Width

3'+OD Maximum Width For Payment Purposes

\*Indicates Eligible for Payment as Select Granular Backfill Otherwise Incidental to the Pipe.

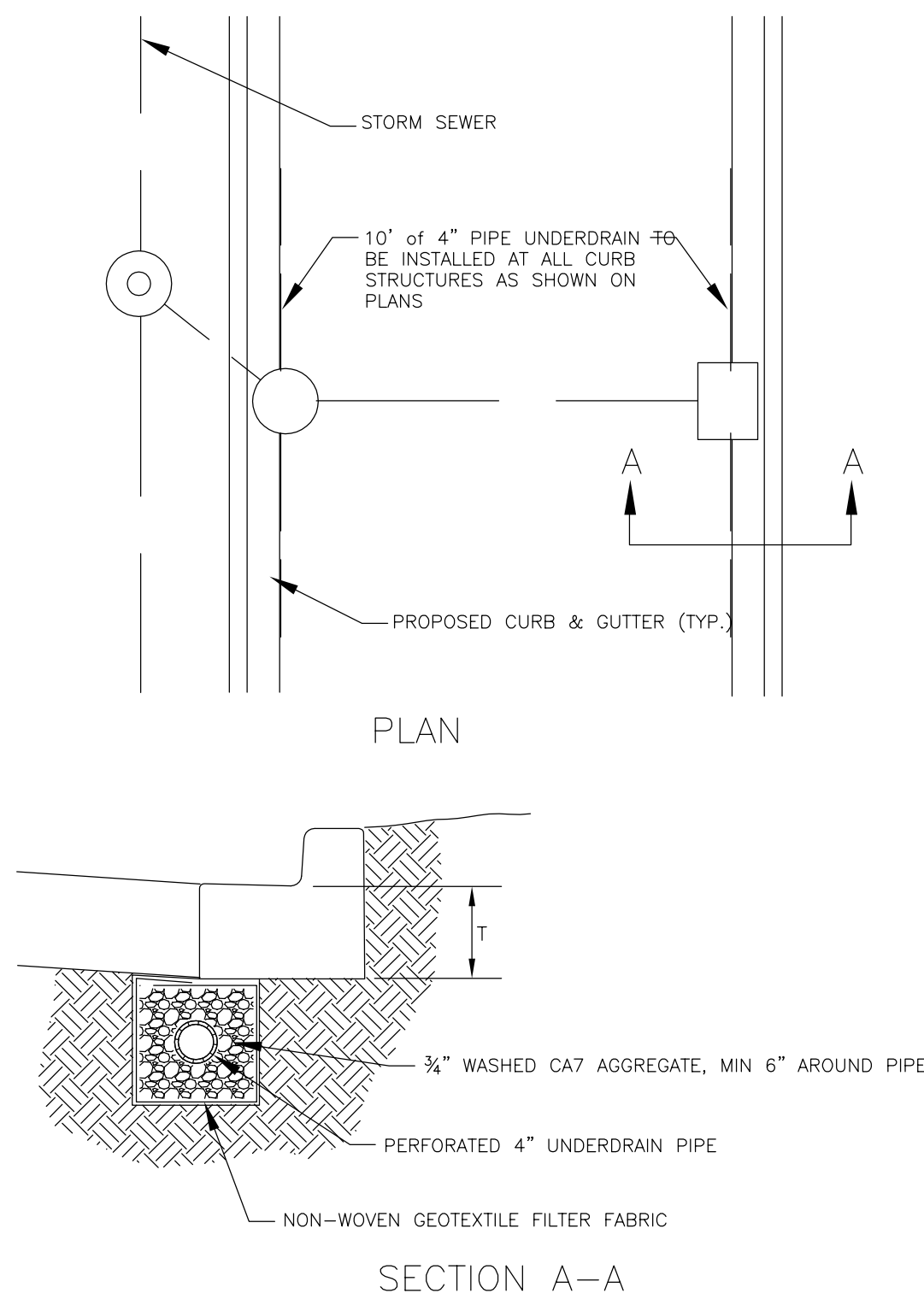
\*\*Indicates Eligible for Payment as Select Foundation Material.

Non Rigid Conduits are Defined as Flexible Thermoplastic Pipe and/or Corrugated Metal Pipe.

Note: Trench Box Shall Not Extend Below Top of Pipe, However It Shall Not Exceed 2 Feet From the Bottom of the Trench.

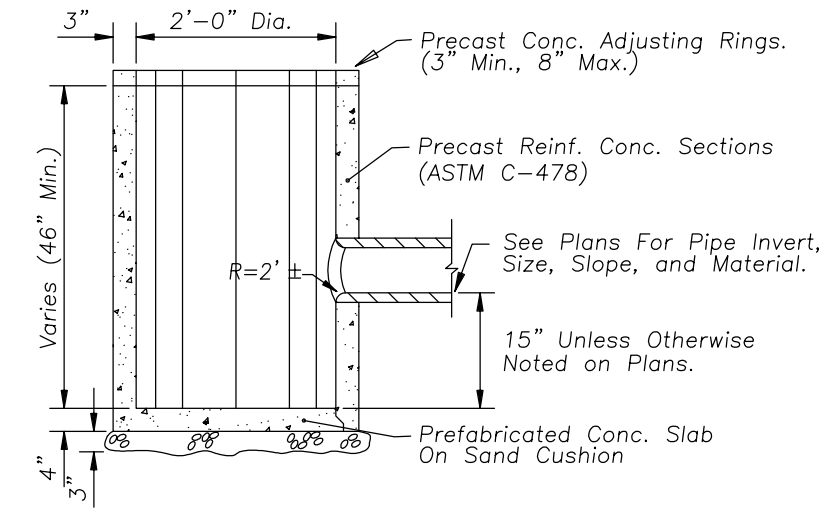
See Plans and Specifications for Surface Restoration

STANDARD SEWER AND WATER TRENCH SECTION

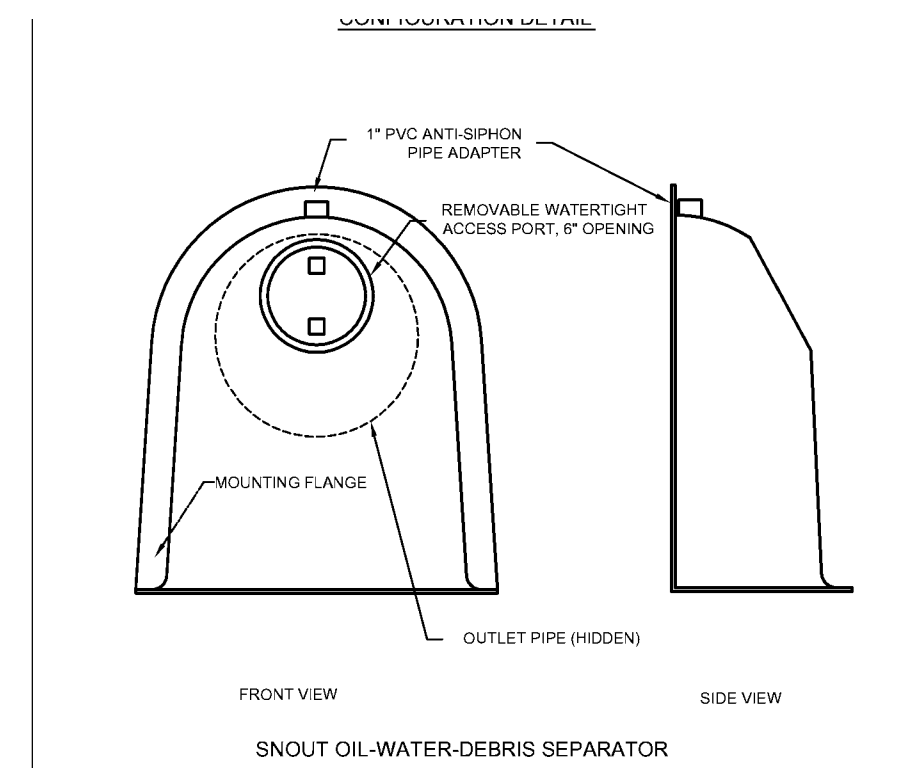


- PLAN
- SECTION A-A
- BOTH THE TRENCH AND DRAIN TILE SHALL BE WRAPPED WITH NON-WOVEN GEOTEXTILE FILTER FABRIC
  - WASHED AGGREGATE SHALL BE PLACED AROUND THE DRAIN TILE
  - HOLE SHALL BE CORED INTO THE STRUCTURE

PIPE UNDERDRAIN, FABRIC LINED TRENCH, 4"



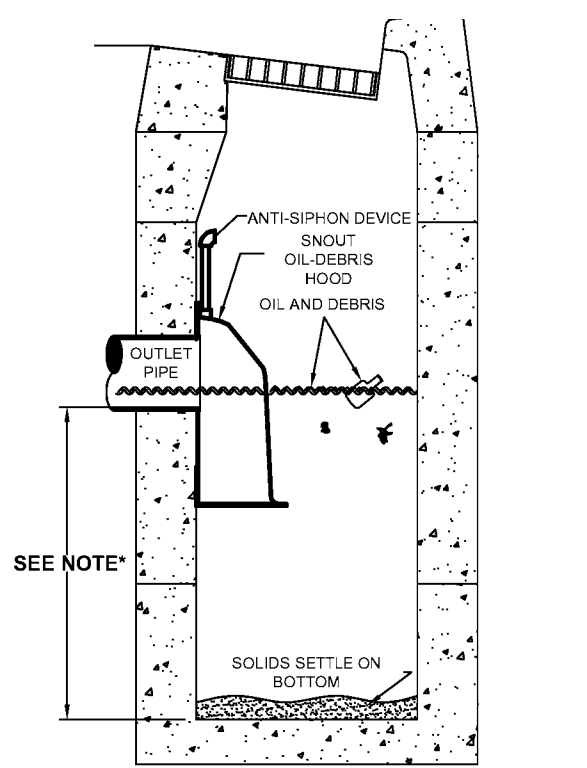
CATCH BASIN - 2' DIA.



NOTES:

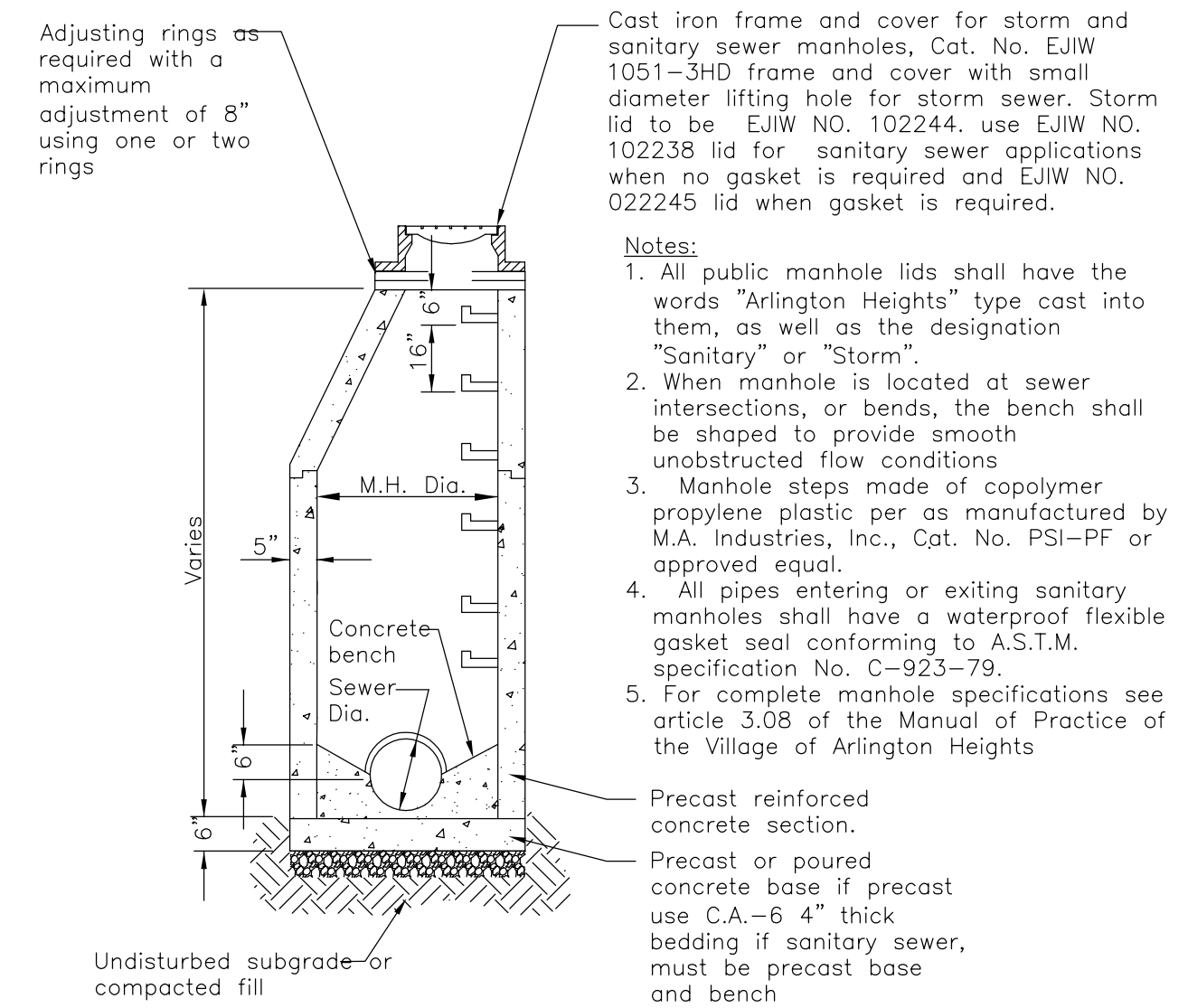
- ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY BEST MANAGEMENT PRODUCTS, INC. 53 MT. ARCHER RD. LYME, CT 06371 (860) 434-0277, (860) 434-3126 FAX TOLL FREE: (800) 524-8008 OR (888) 354-7585 WEB SITE: www.bmpinc.com OR PRE-APPROVED EQUAL.
- ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
- ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT AS DRAWN. (SEE CONFIGURATION DETAIL)
- THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION.
- THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 8" FOR PIPES <math>1/2</math>" ID.
- THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 24" ACCORDING TO STRUCTURE CONFIGURATION.
- THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL.
- THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER (SEE INSTALLATION DETAIL)
- INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT. INSTALLATION KIT SHALL INCLUDE: A. INSTALLATION INSTRUCTIONS B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING D. 3/8" STAINLESS STEEL BOLTS E. ANCHOR SHIELDS

US Patent # 6126817

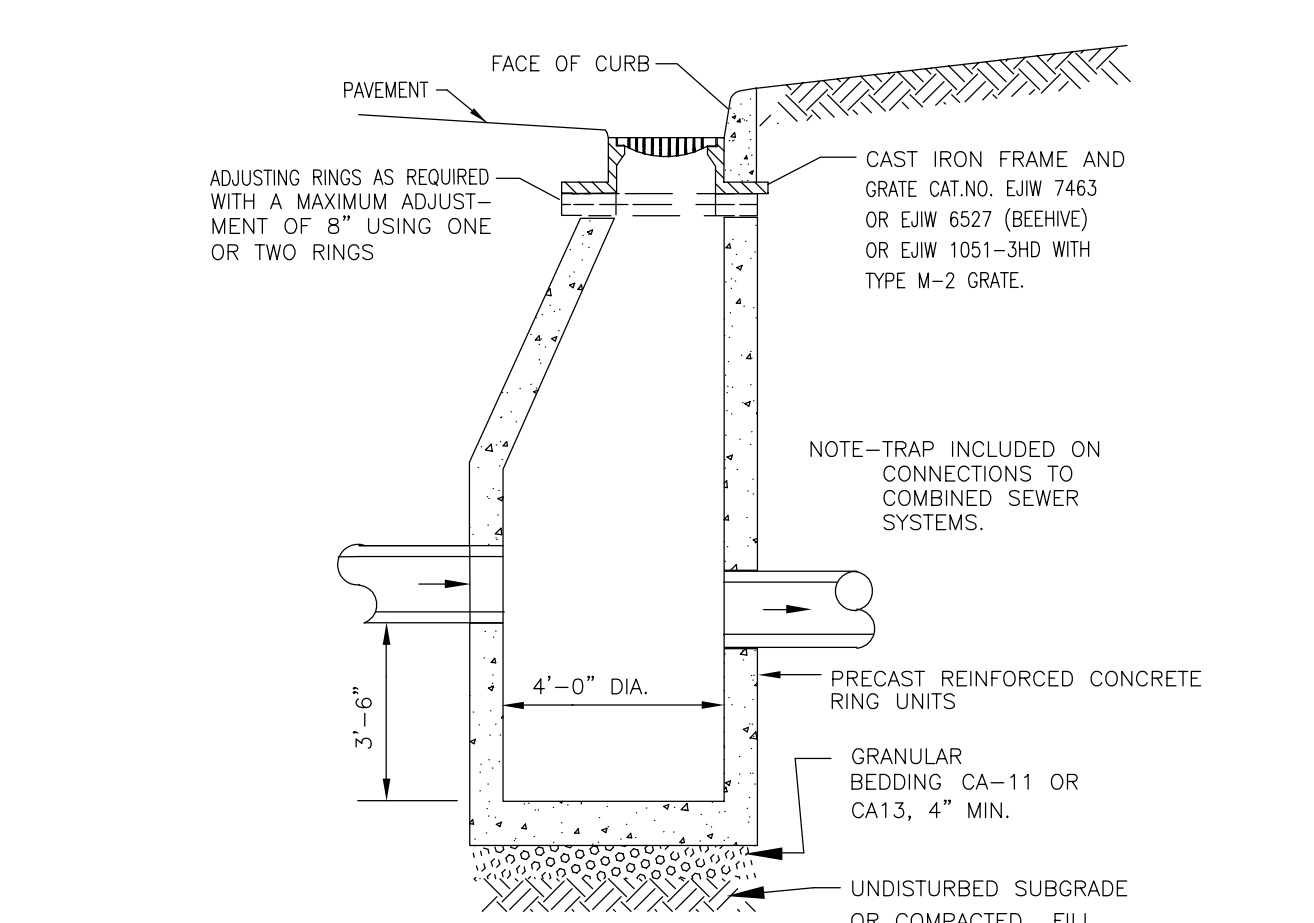


HOOD SPECIFICATION FOR CATCH BASINS AND WATER QUALITY STRUCTURES

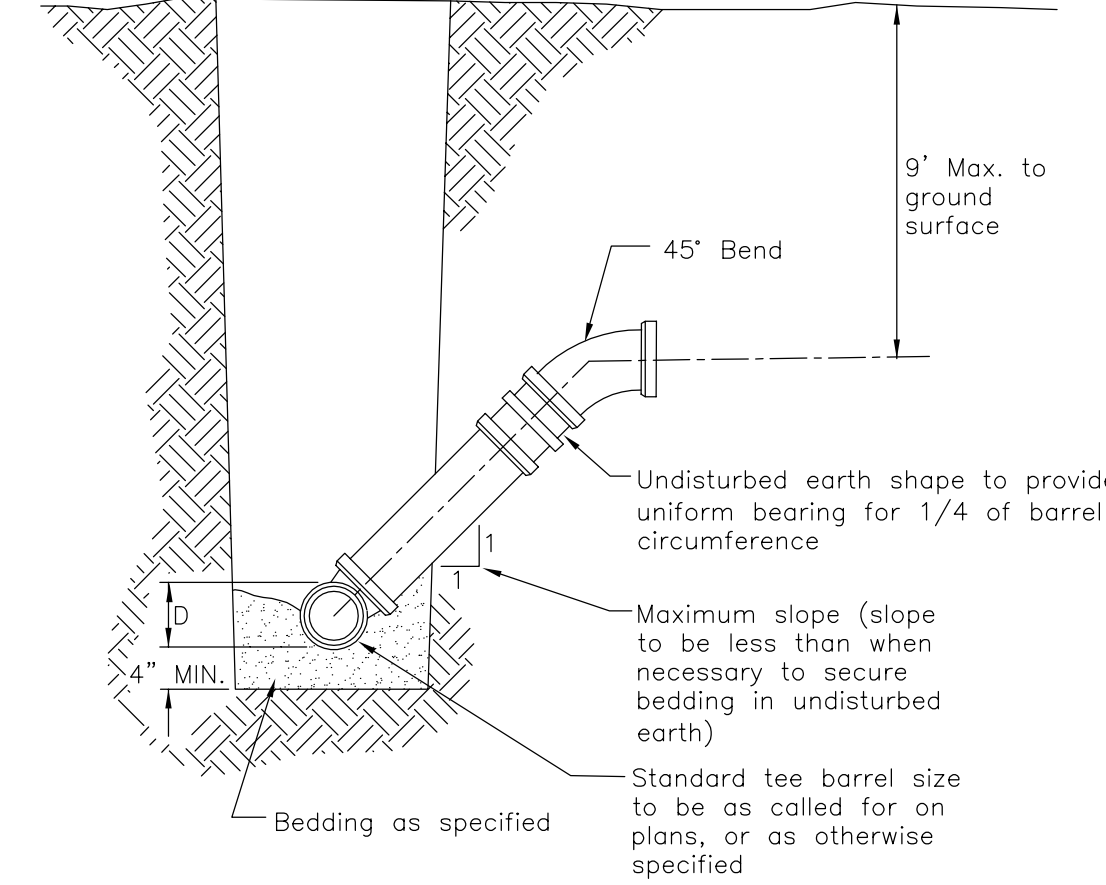
DESCRIPTION	DATE	SCALE
OIL-DEBRIS HOOD SPECIFICATION AND INSTALLATION (TYPICAL)	09/08/00	NONE
DRAWING NUMBER	SP-SN	



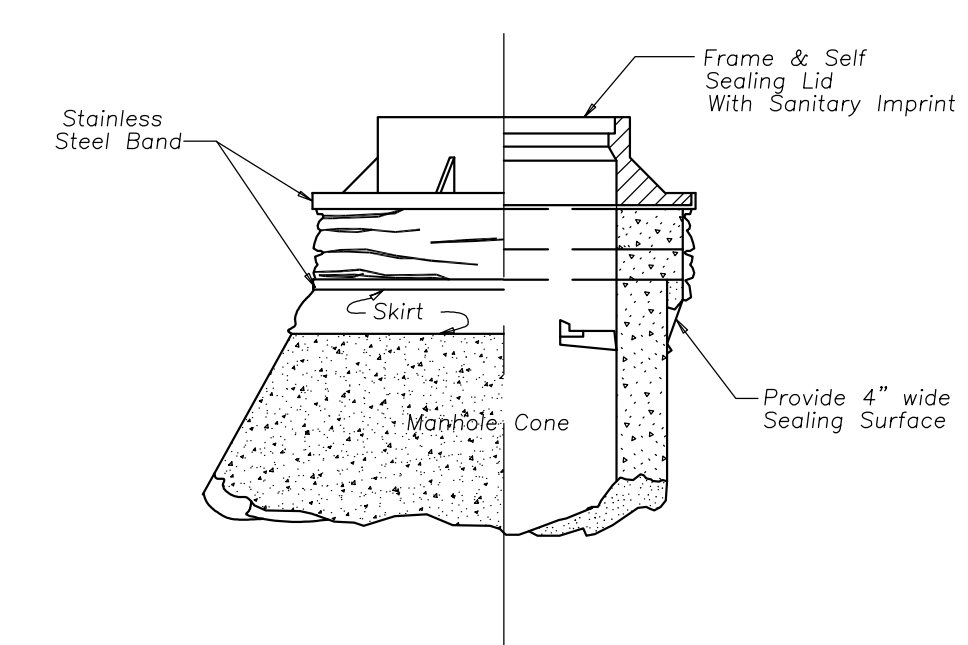
TYPE A - MANHOLE



TYPE A - CATCH BASIN

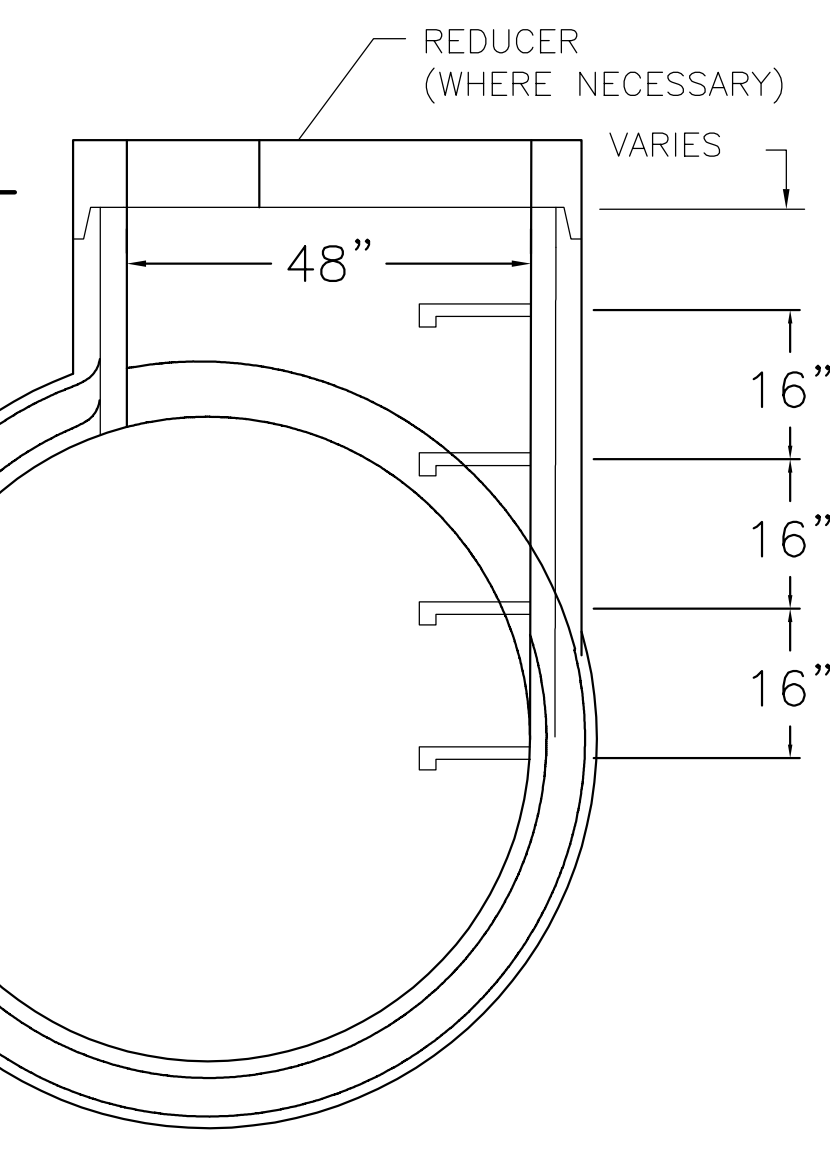


TYPICAL RISER FOR SERVICE LATERAL

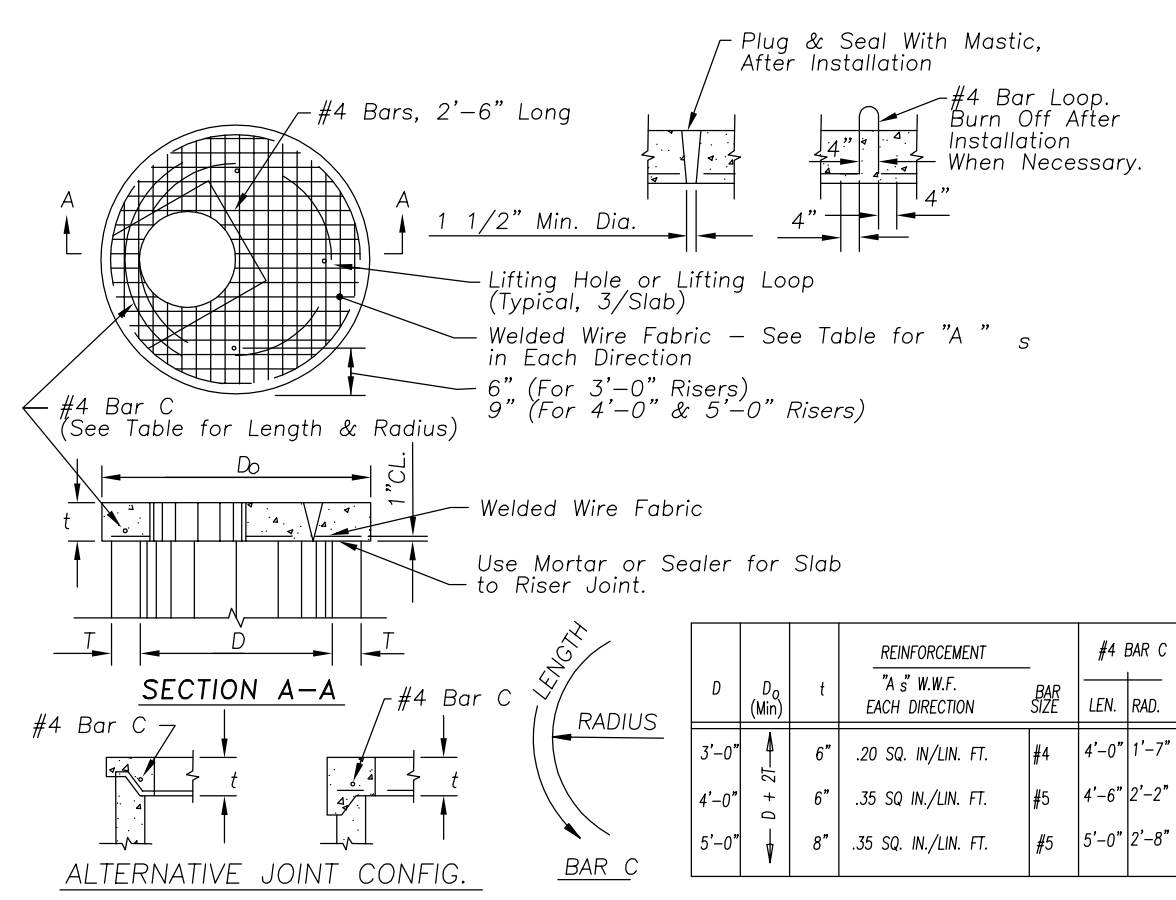


- NOTES:
- Chimney Seals shall be installed on all Sanitary Sewerage System Manholes.
  - "CRETEX" External Seals are required. Other products or other design solutions shall require the approval of the Village Engineer.
  - Chimney Seals shall be installed in accordance with the manufacturer's instructions.

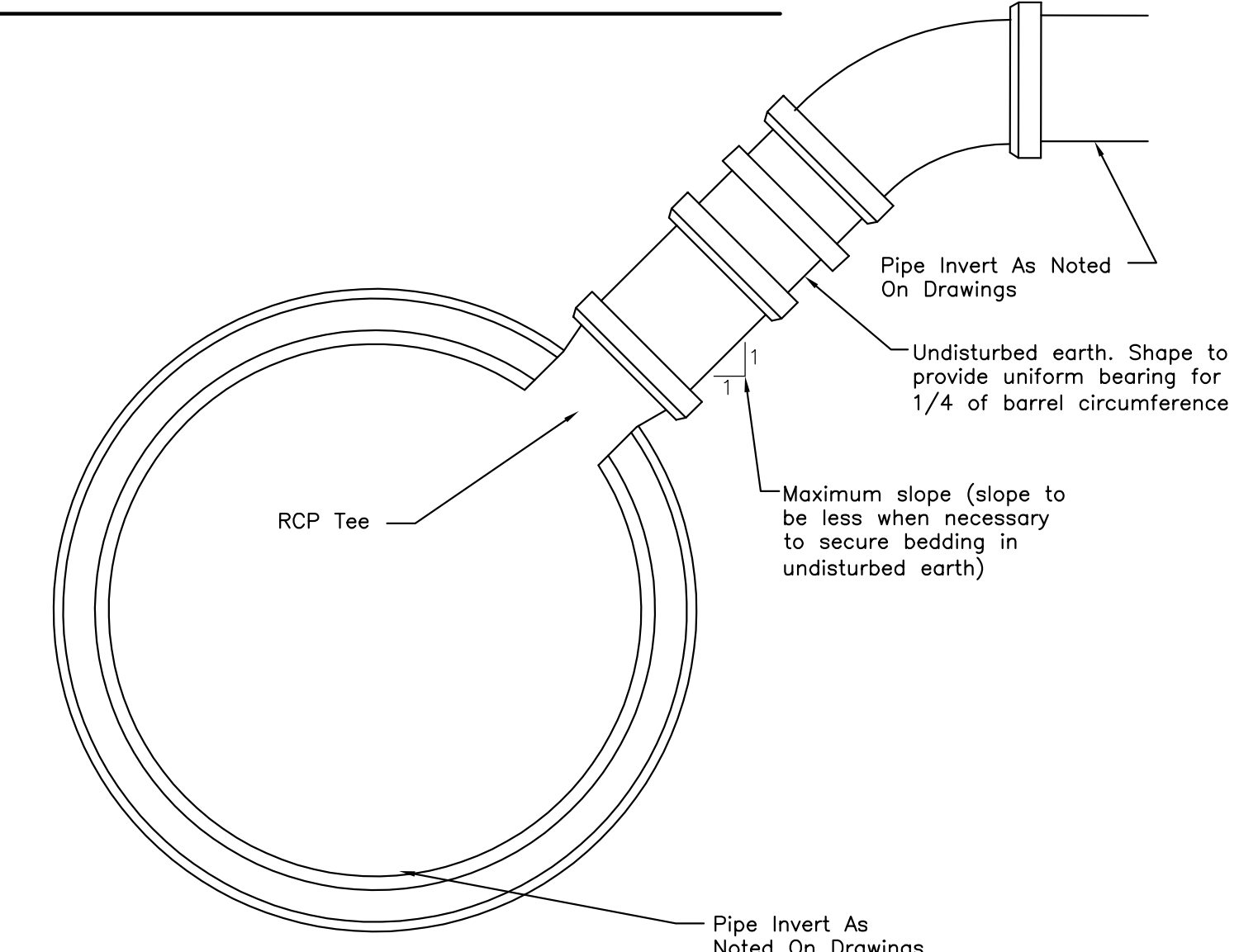
SANITARY MANHOLE CHIMNEY SEAL



Manhole Tee



PRECAST REINF. CONC. FLAT SLAB TOP



60" STORM SEWER RISER



145 COMMERCE DRIVE, SUITE A  
GRAYSLAKE, ILLINOIS 60030  
PHONE (847) 223-4804  
FAX (847) 223-4864  
EMAIL INFO@EEA-LTD.COM  
PROFESSIONAL DESIGN FIRM  
LICENSE NO. 184-003220  
EXPIRES: 04/30/2019

ARLINGTON DOWNS  
PHASE 2 CONSTRUCTION  
3400 W Euclid Avenue  
Arlington Heights, Illinois

Reserved for Seal:

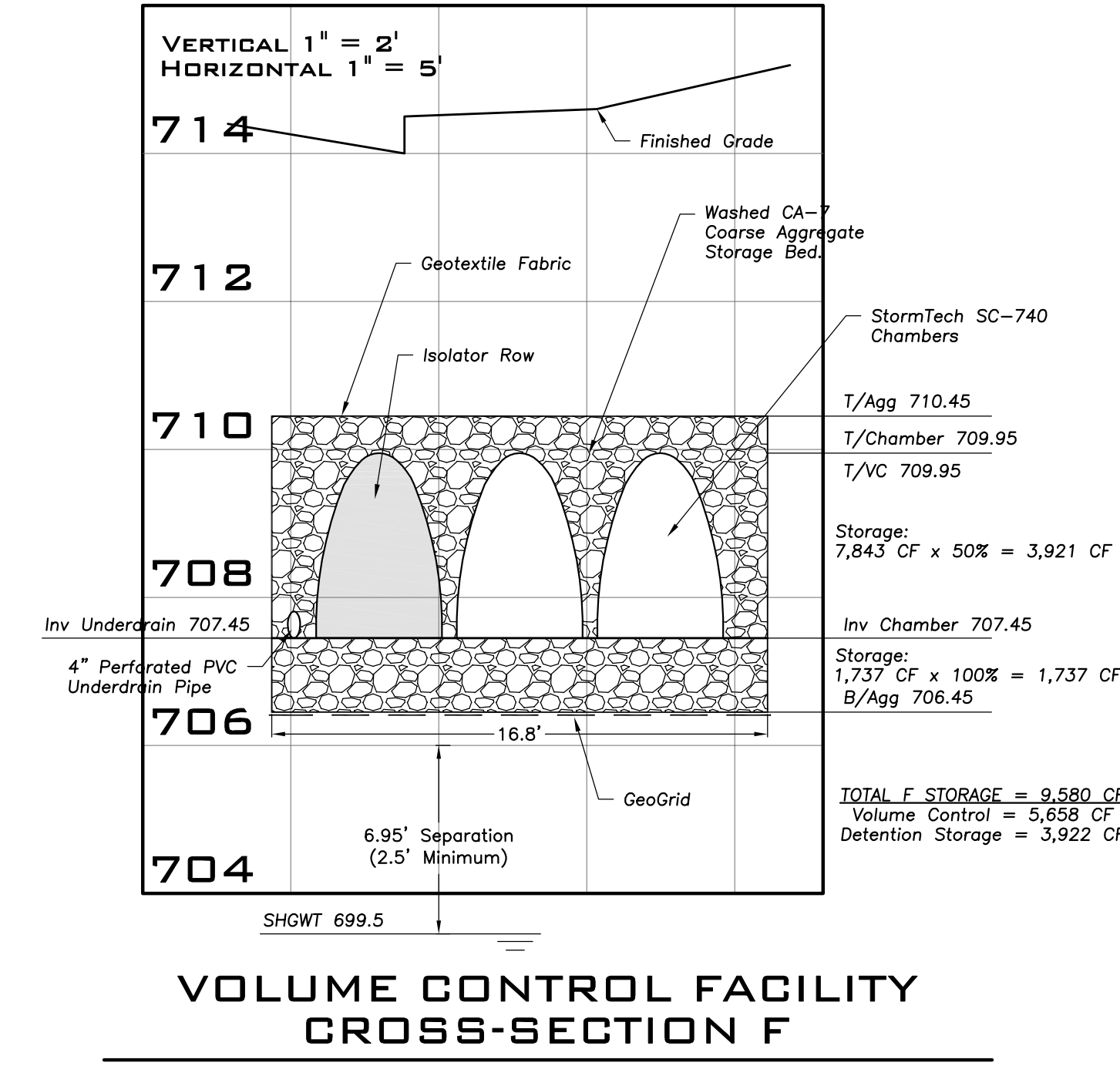
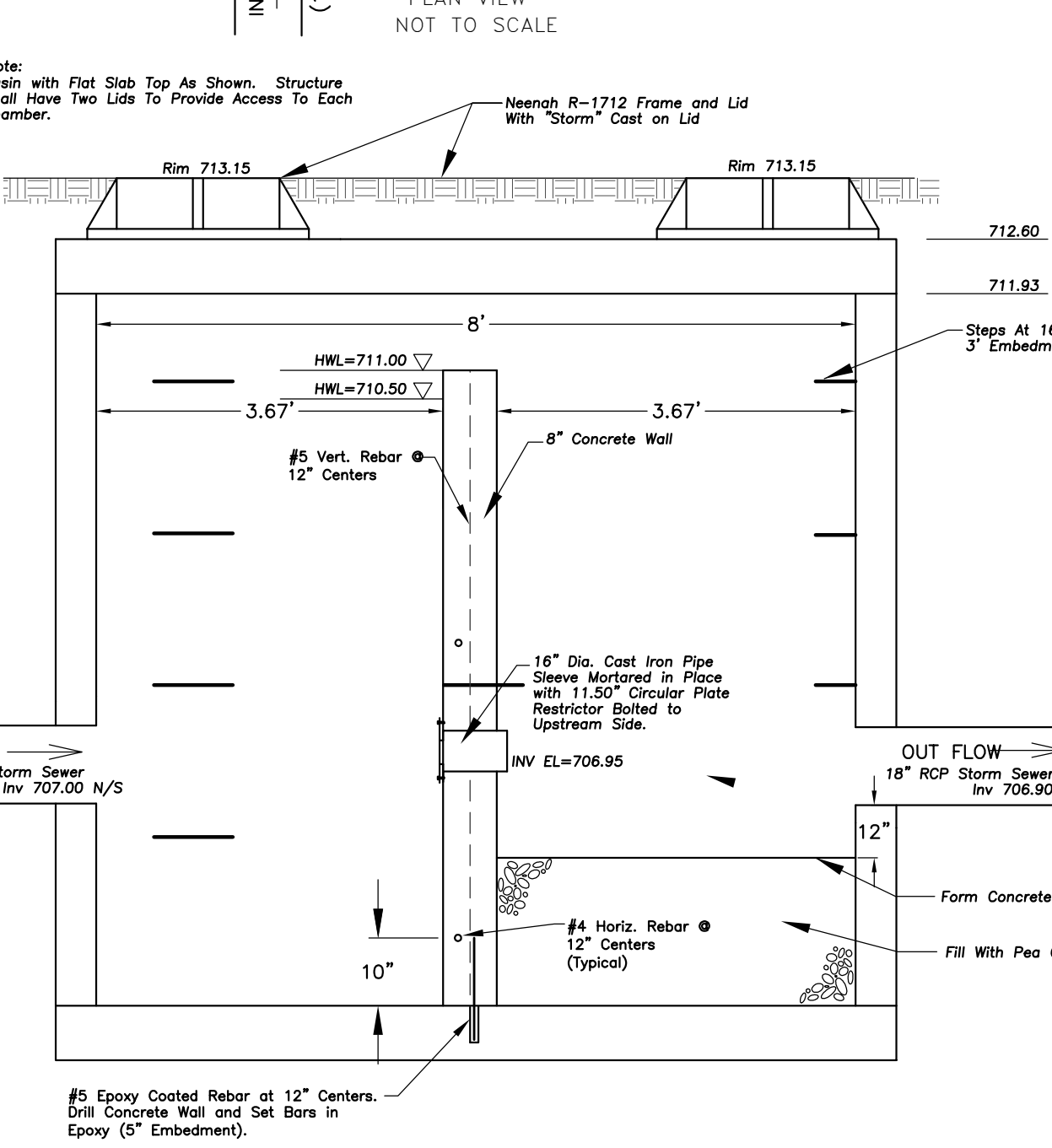
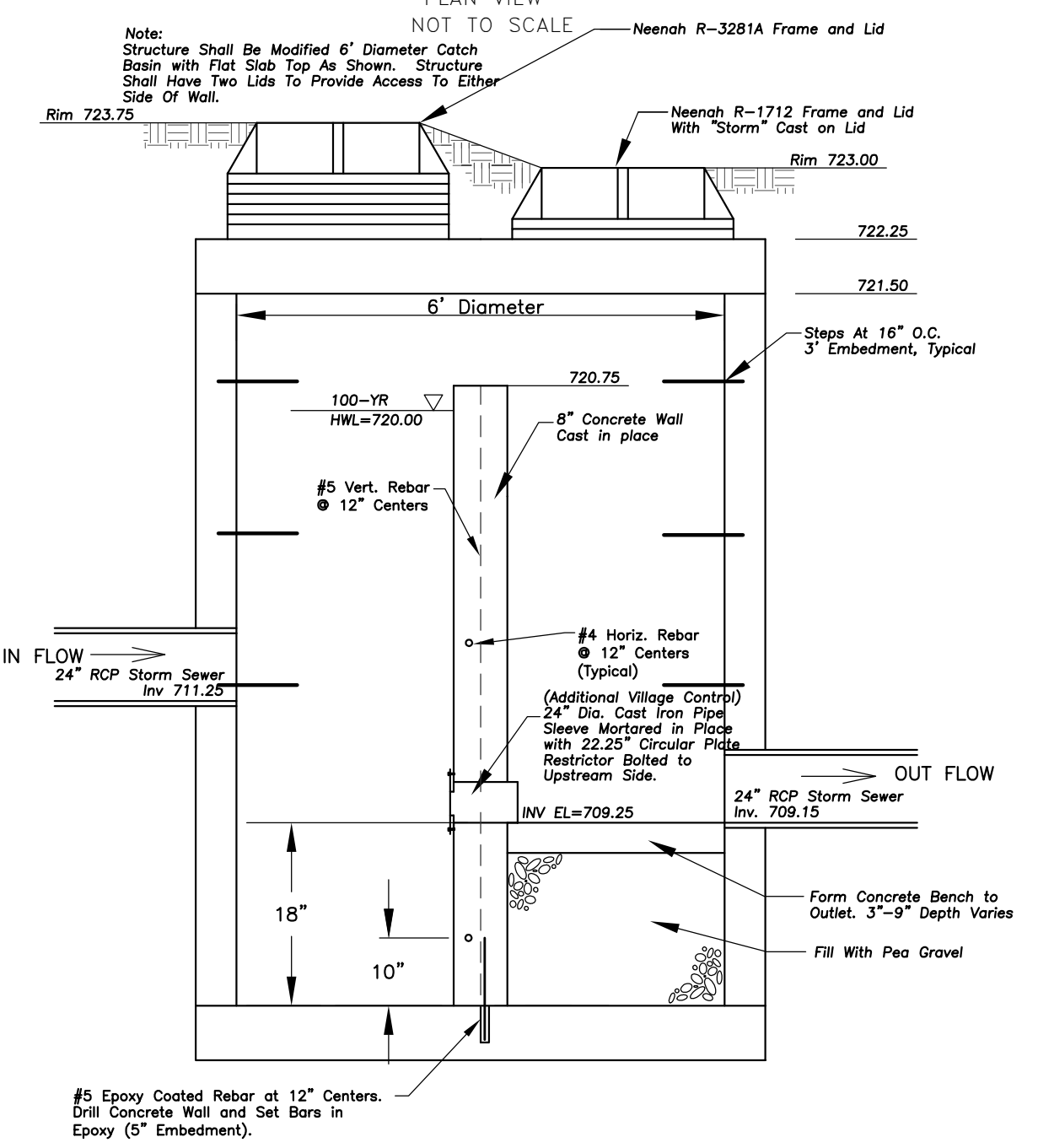
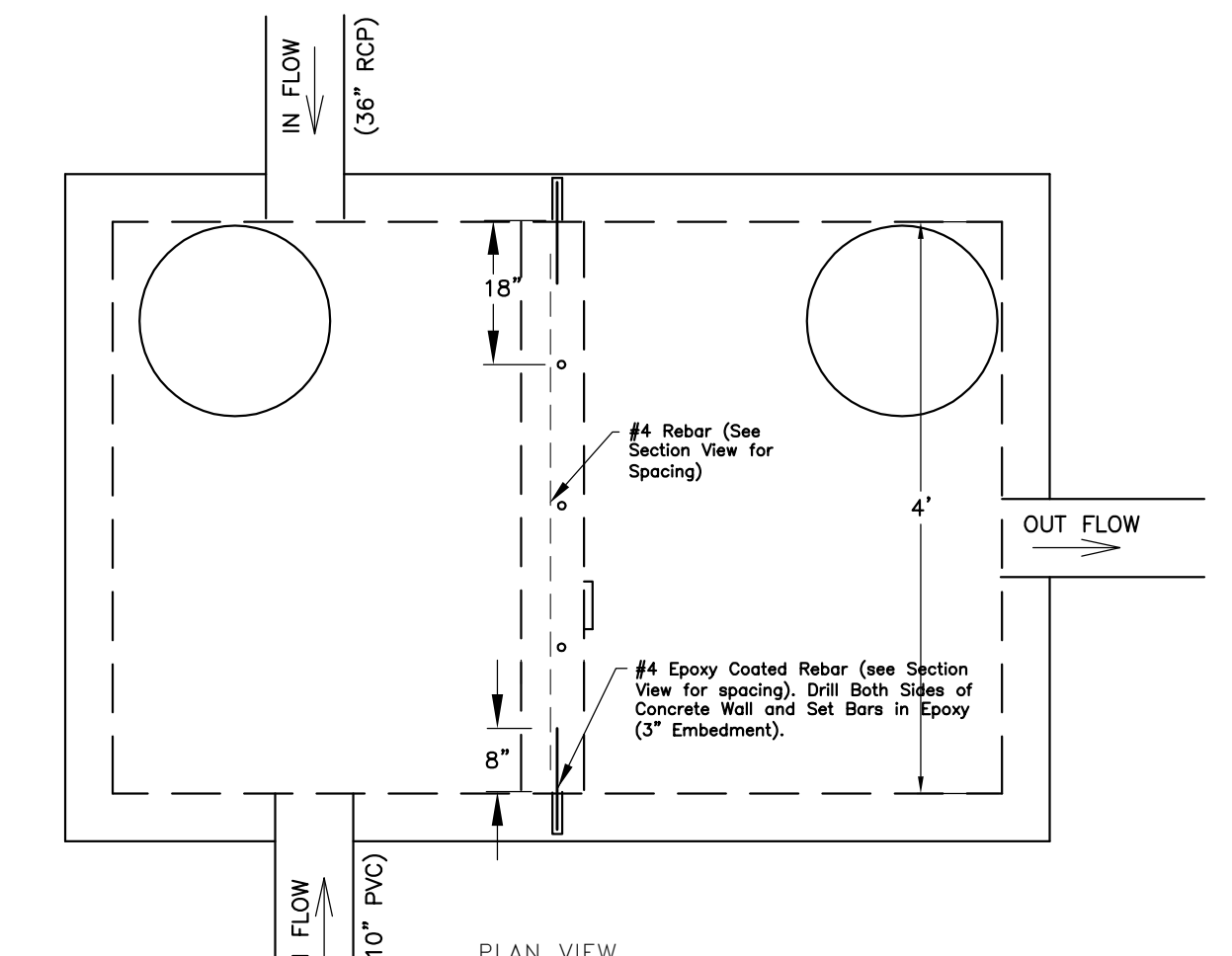
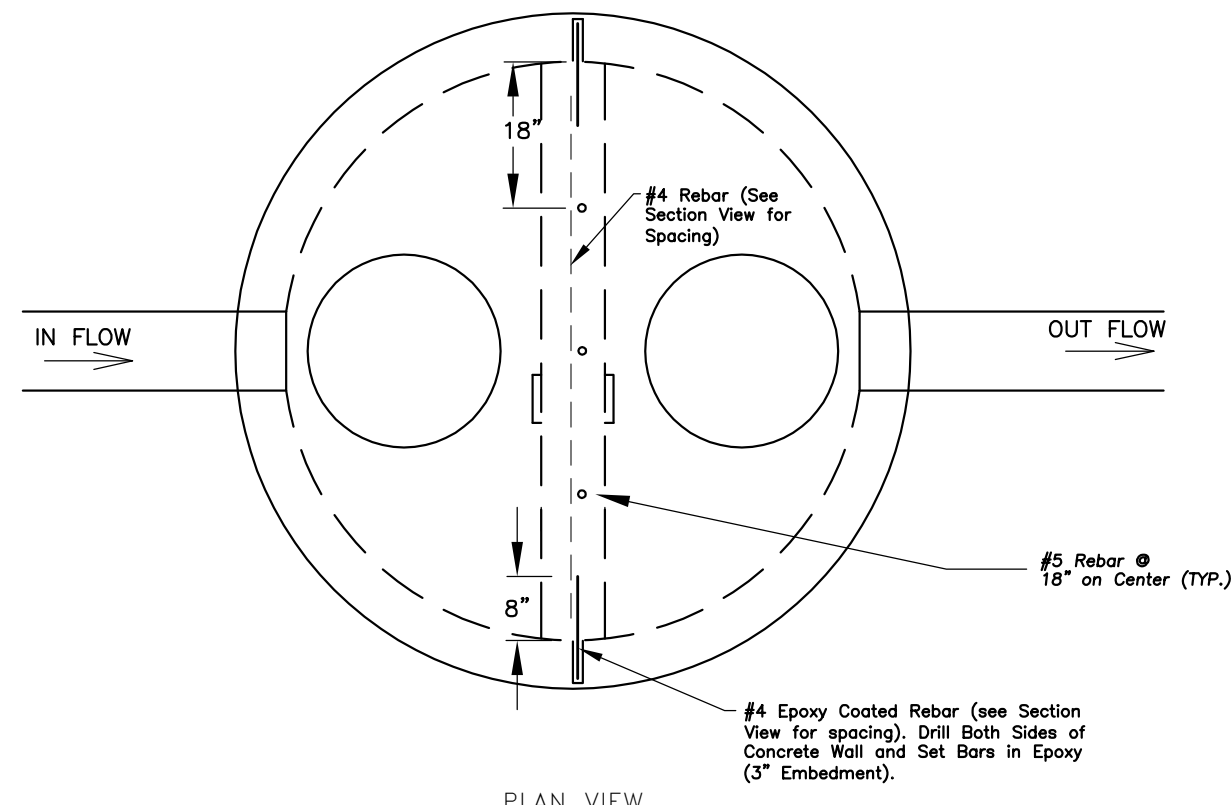
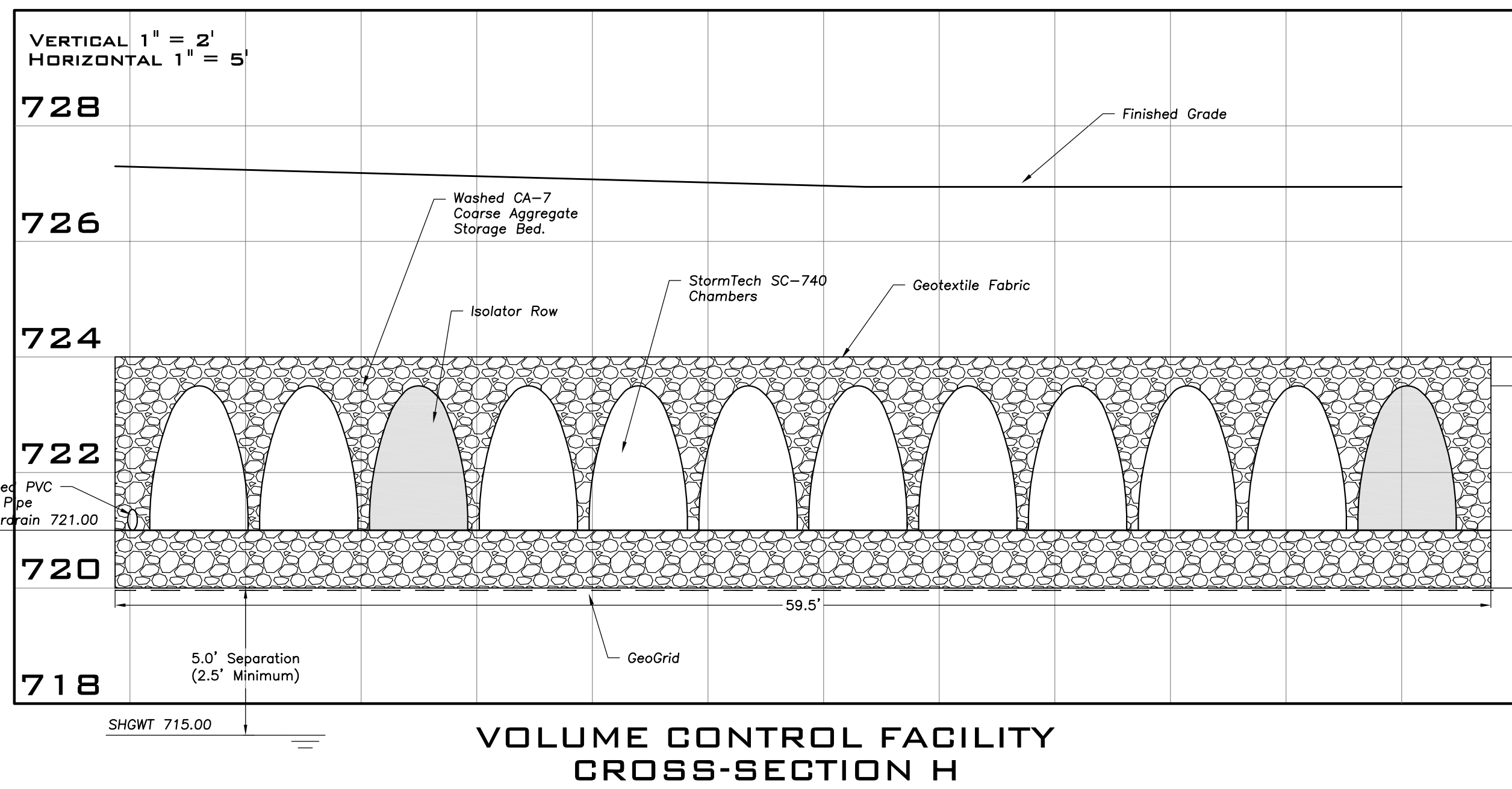
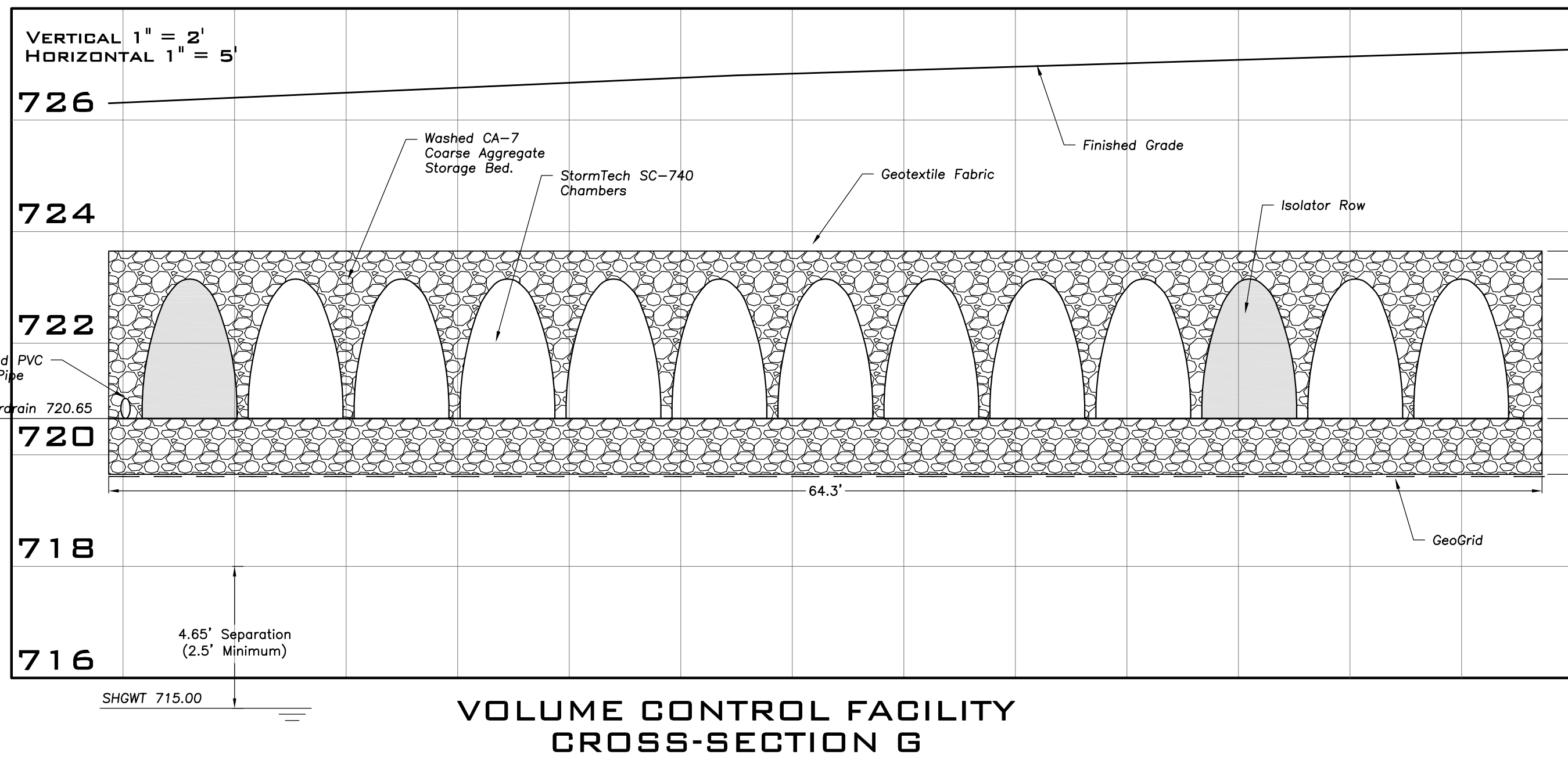
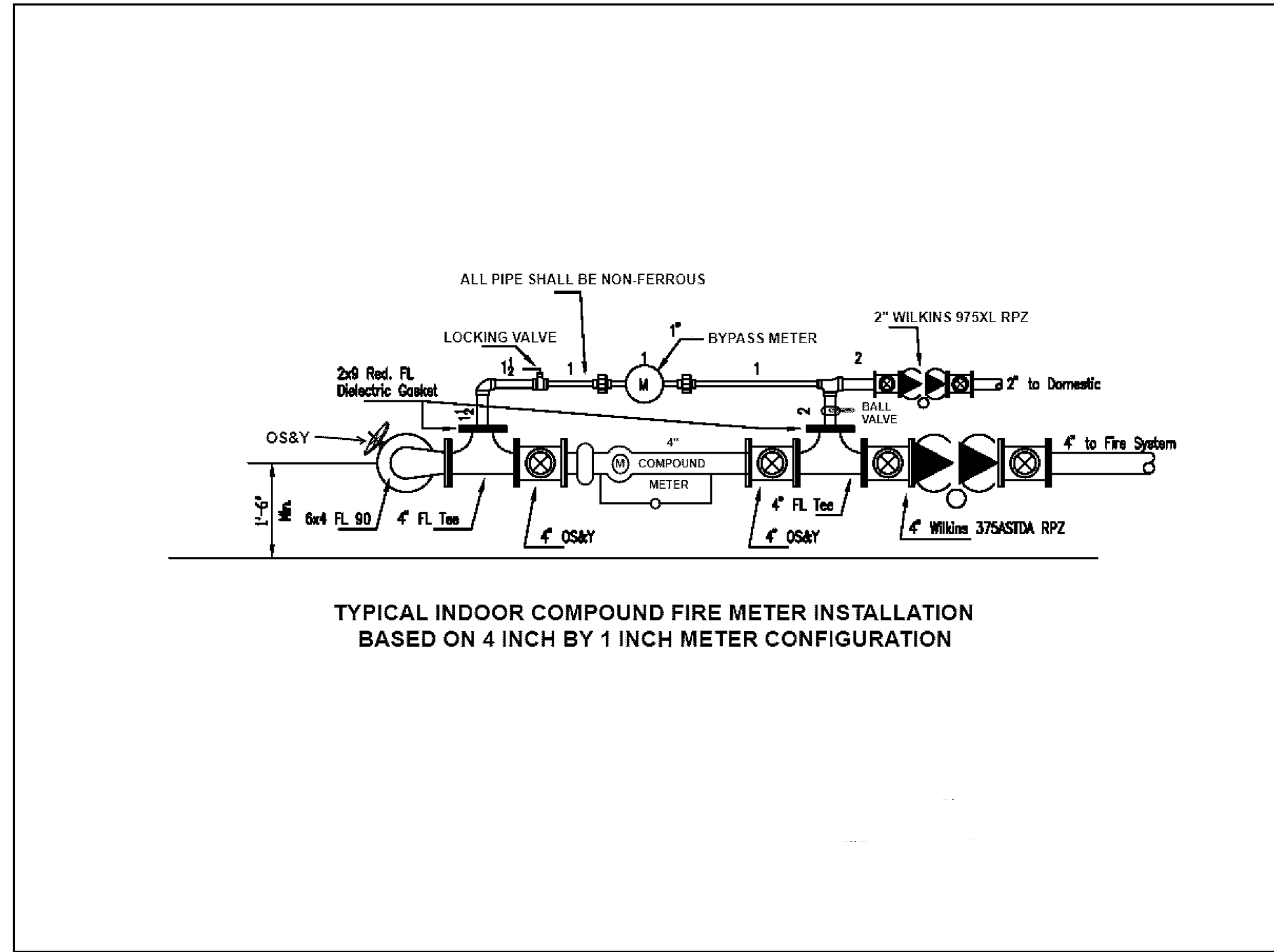
Expiration Date: 11/19

No.	Date	Description
04/04/18	Issued For PUD Amendment	
05/08/18	Revised Per Village	
06/22/18	Revised Per Village	

DESIGN BY: PD DATE: 04/04/18  
APPROVED BY: Project No.

SITE DETAILS

Sheet No: C4.03



**ERIKSSON  
ENGINEERING  
ASSOCIATES, LTD.**

145 COMMERCE DRIVE, SUITE A  
GRAYSLAKE, ILLINOIS 60030  
PHONE (847) 223-4804  
FAX (847) 223-4864  
EMAIL INFO@EEA-LTD.COM  
PROFESSIONAL DESIGN FIRM  
LICENSE NO. 184-003220  
EXPIRES: 04/30/2019

**ARLINGTON DOWNS  
PHASE 2 CONSTRUCTION**

3400 W Euclid Avenue  
Arlington Heights, Illinois

Reserved for Seal:

Expiration Date: 11/19

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	05/08/18	Revised Per Village
	06/22/18	Revised Per Village

DESIGN BY: PD DATE: 04/04/18  
APPROVED BY: Project No.

Sheet Title:

**SITE DETAILS**

Sheet No:

**C4.04**

EEA - P:\Pat\Arlington Downs\06 West Site - OKW\Drawings\Arlington Downs Master Site Plan.dwg  
Plotted: 6/21/18 @ 9:35am By: pdmmer



**DRAINAGE SUMMARY - PERMITTED CONDITIONS (REGIONAL DETENTION FACILITY)**

MWRD 13-016

**Regional Basin Design Criteria**  
(West of Salt Creek Lane)  
Area: 71.13 Acres  
Composite C: 0.85 (Per 13-016)  
(3): 1.85 in/hr (Per 13-016)  
C(ex): 0.15  
Discharge Allowable: 19.74 cfs (MWRD)  
12.80 cfs (Village)  
Discharge Actual: 12.47 cfs (Per 13-016)  
Volume Required: 15.87 Ac-Ft  
Volume Provided: +17.16 Ac-Ft  
(16.75 Ac-Ft (Per Survey)  
+ 0.41 Ac-Ft Pipe (Per 13-016))

**Regional Basin Design Criteria**  
(East of Salt Creek Lane)  
**DIRECT TRIBUTARY ONLY**  
Area: 15.55 Acres  
Composite C: 0.85  
Discharge Allowable: 10.92 cfs  
(23.39 Total - 12.47 West Discharge)  
Volume Required: 2.19 Ac-Ft  
Volume Provided: 2.86 Ac-Ft (Per 82-116)  
(2.66 Ac-Ft Surface + 0.20 Ac-Ft Pipe)

NOTE: The Area Along Euclid Avenue Tributary To The East Basin Is Conveyed To The East Basin Through The Cook County Storm Sewer In Euclid Avenue As Lot 18 Did For The 80-040 and 82-116 Projects.

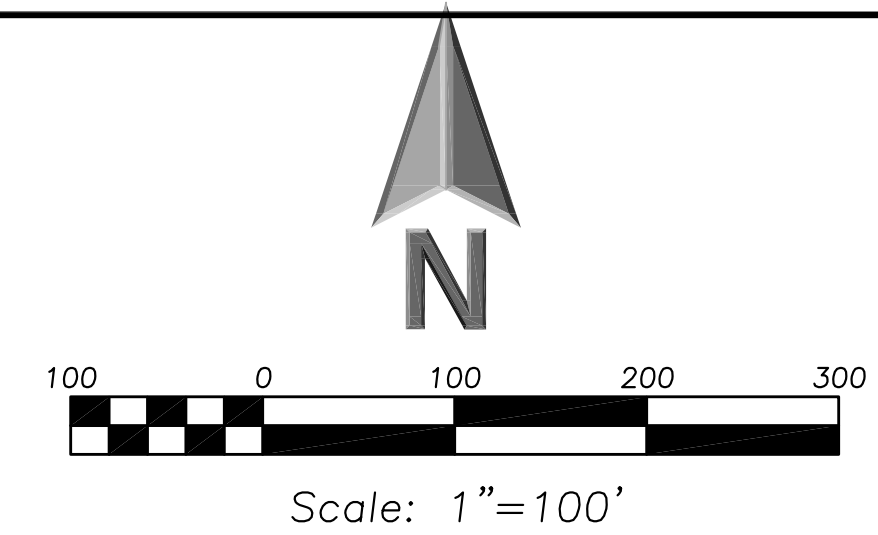
--- Watershed Delineation  
■ Compensatory Storage Area (Per 13-016)  
16.00 Ac-Ft  
(9.53 Ac-Ft @ Lot 6)  
(0.56 Ac-Ft @ Lot 7)  
(5.91 Ac-Ft @ Lots 8,9)

**ULTIMATE CONTROL STRUCTURE**  
**TOTAL TRIBUTARY**  
Area: 86.68  
C: 0.85  
(3): 1.85 in/hr  
Discharge Allowable: 24.05 cfs (Per 13-016)  
Discharge Actual: 23.39 cfs (Calculated)  
Volume Required: 18.06 Ac-Ft (Per Total of East and West)  
Volume Provided: 20.02 Ac-Ft

NOTES:  
No Additional MWRD Storm Water Detention Storage Is Required For The Arlington Downs Property (Provided That The Composite "C" Value For The Property Remains Below 0.85).

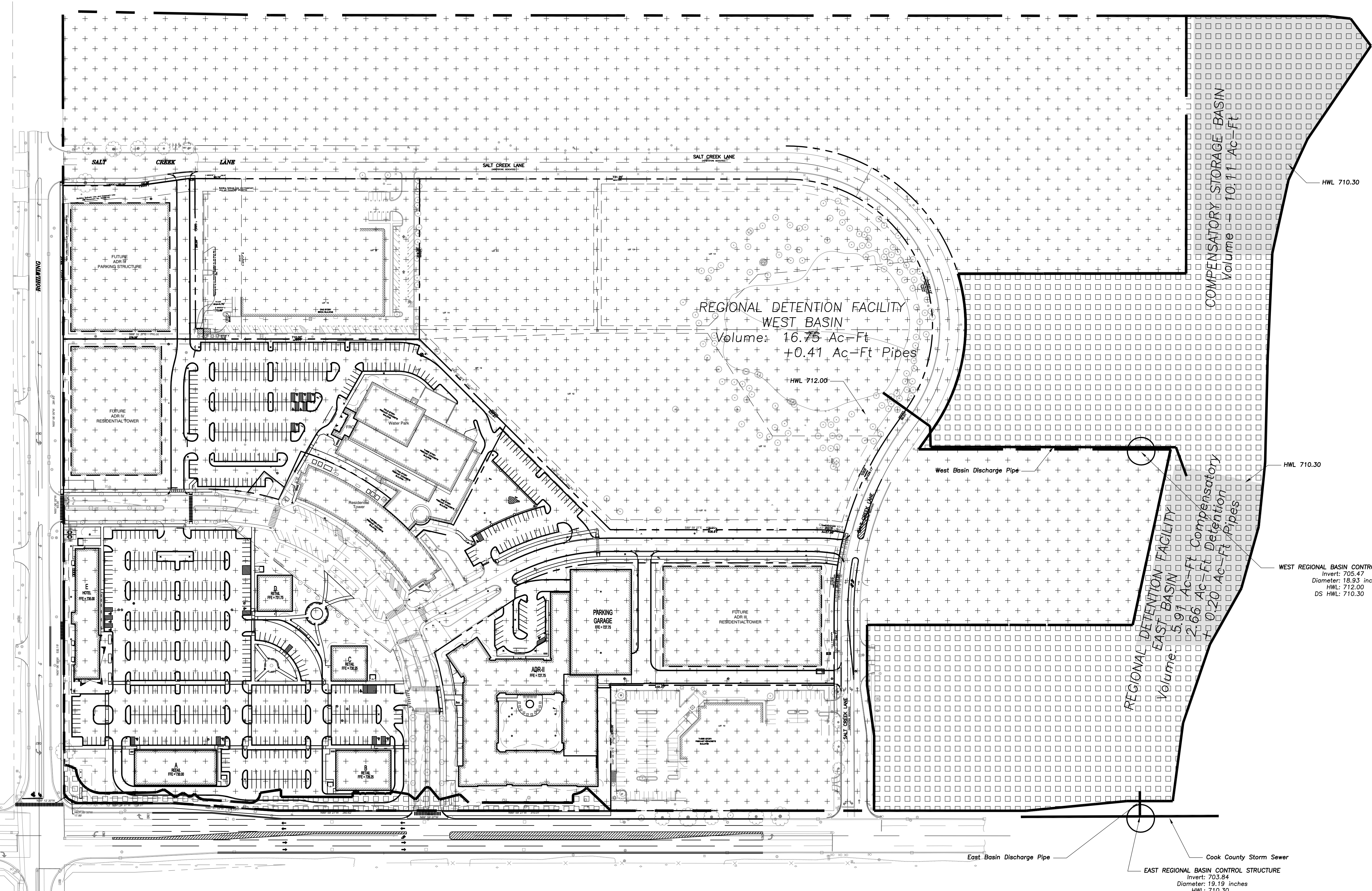
VILLAGE REQUIREMENTS: The West Regional Detention Facility Was Originally Designed To Accommodate Village of Arlington Heights Storm Water Detention Requirements. As The Village Has Since Changed From TP40 To Bulletin 70 Rainfall Data, The Village Will Require The Arlington Downs Property To Provide The Differential Detention Volume Required As A Result Of This Change In Rainfall Data. As A Result, Additional Storm Water Storage Will Be Necessary To Accommodate The New Village of Arlington Heights Storm Water Detention Requirements. This Storm Water Detention Volume Will Be Additional To That Required By The MWRD. Note That This Does Not Impact The West Regional Detention Facility Release Rate As The Village Discharge Rate Has Remained At 0.18 cfs/acre.

The East Regional Detention Facility Does Not Meet Village of Arlington Heights Discharge Requirements As This Basin Discharge Is Not In The Municipal Corporate Limits Of The Village Of Arlington Heights.



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**ARLINGTON DOWNS**  
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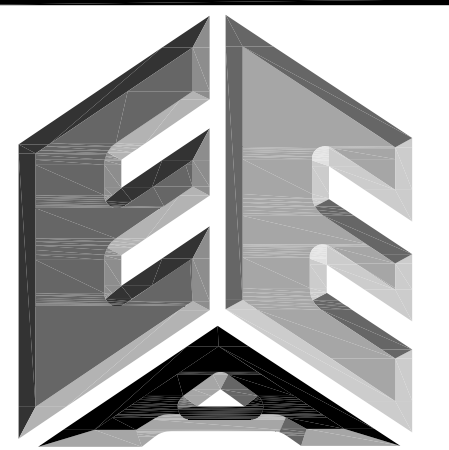
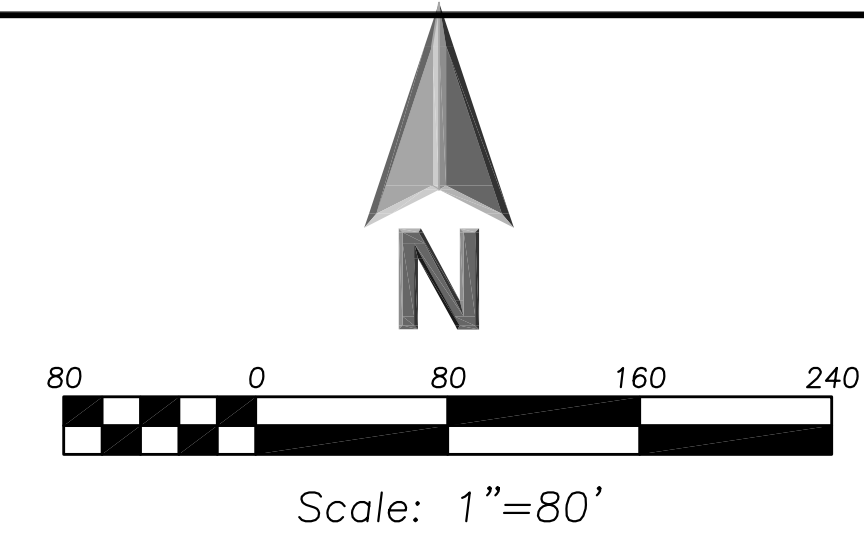
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Sheet Title:  
**MWRD DRAINAGE EXHIBIT - REGIONAL BASIN PER 13-016**

Sheet No:  
**C5.01**

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Plotted: 6/21/18 @ 9:36am By: pdmmer





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**DRAINAGE SUMMARY  
MWRD REQUIREMENTS**

**SITE DETENTION**  
Property Area: 26.81 Acres  
Permitted Composite C: 0.85 (Per 13-016)  
Existing Property Impervious Area: 14.48 Acres  
Total Composite C: 0.63<0.85

**DRAINAGE SUMMARY  
VILLAGE REQUIREMENTS**

**TOTAL VILLAGE ADDITIONAL VOLUME REQUIRED**

**WESTERN SITE AREA**

**West Regional Basin Design Criteria**  
Disturbed Area: 23.66 Acres  
Composite C: 0.85 (Regional Design)  
Discharge: 0.18 cfs/acre  
4.26 cfs  
TP 40 Volume: 5.24 Ac-Ft

**Village Criteria**  
Disturbed Area: 23.66 Acres  
Impervious Area: 14.07 Acres  
Composite C: 0.77 (Actual Phase 2)  
Discharge: 0.18 cfs/acre  
4.26 cfs  
Bull-70 Volume: 7.03 Ac-Ft

**NET VILLAGE ADDITIONAL:**  
Req'd Volume: 1.79 Ac-Ft  
Pvd'd Volume: 2.11 Ac-Ft

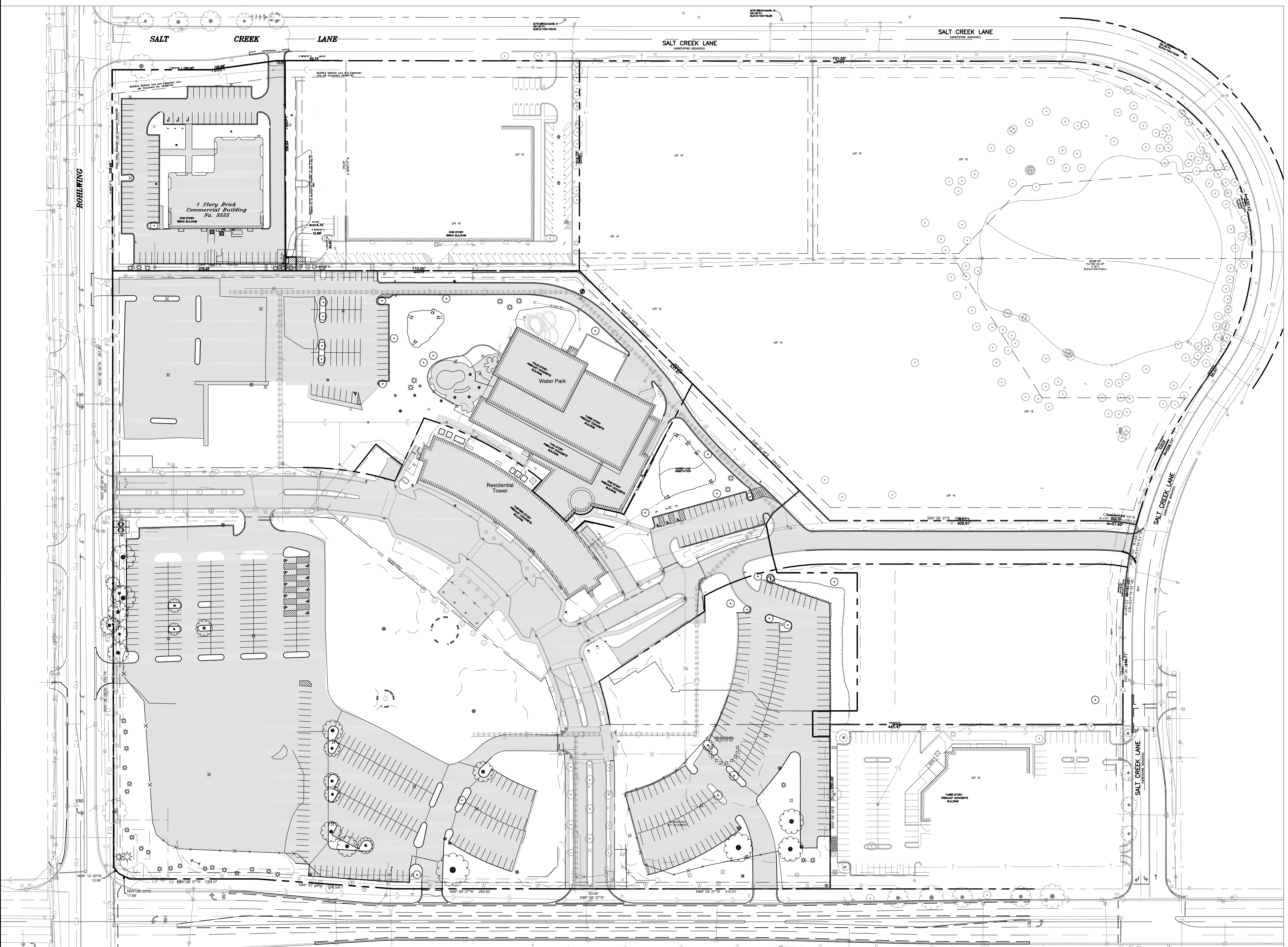
**VILLAGE OUTLET SIZING**  
Tributary Area: 23.66 Acres  
Composite C: 0.79  
Intermediate Rest: 16.00" Dia  
Intermediate Disch: 19.32 cfs  
Max Allowed Disch: 41.64 cfs (Per 1980 Design)  
Volume Required  
⊙ Discharge: 2.63 Ac-Ft  
Volume Provided: 2.93 Ac-Ft  
(1.18 Ac-Ft Pipes  
+ 0.93 Surface Basins)

**EASTERN SITE AREA**

**West Regional Basin Design Criteria**  
Disturbed Area: 3.15 Acres  
Composite C: 0.85 (Regional Design)  
Discharge: 0.18 cfs/acre  
0.57 cfs  
TP 40 Volume: 0.70 Ac-Ft

**Village Criteria**  
Disturbed Area: 3.15 Acres  
Impervious Area: 0.41 Acres  
Composite C: 0.63 (Existing)  
Discharge: 0.18 cfs/acre  
0.57 cfs  
Bull-70 Volume: 0.57 Ac-Ft

**NET VILLAGE ADDITIONAL:**  
Req'd Volume: N/A Ac-Ft  
Pvd'd Volume: N/A Ac-Ft



**ARLINGTON DOWNS**  
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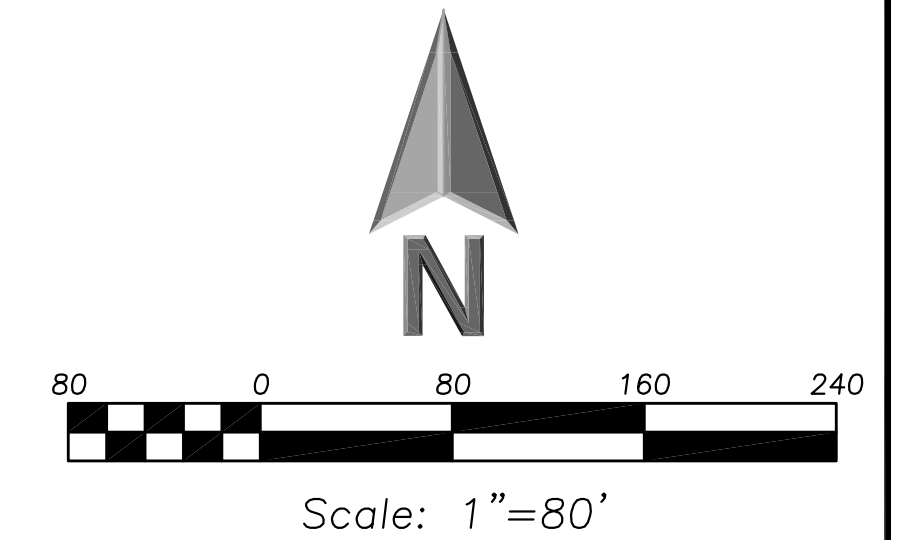
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Sheet Title:  
**MWRD DRAINAGE  
EXHIBIT -  
EXISTING SITE  
CONDITIONS**

Sheet No:  
**C5.02**





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**DRAINAGE SUMMARY  
MWRD REQUIREMENTS**

**SITE DETENTION**  
 Property Area: 26.81 Acres  
 Permitted Composite C: 0.85 (Per 13-016)  
 Total Property Impervious Area: 18.55 Acres  
 Total Composite C: 0.72<0.85  
 NO ADDITIONAL MWRD VOLUME REQUIRED

**VOLUME CONTROL**  
 New Impervious Area: 12.67 Acres  
 Required Volume Control: 1" Per SF  
 1.05 Ac-Ft  
 Provided Volume Control: 1.25 Ac-Ft

**DRAINAGE SUMMARY  
VILLAGE REQUIREMENTS**

**TOTAL VILLAGE ADDITIONAL VOLUME REQUIRED**

**WESTERN SITE AREA**  
 West Regional Basin Design Criteria  
 Disturbed Area: 23.66 Acres  
 Composite C: 0.85 (Regional Design)  
 Discharge: 0.18 cfs/acre  
 4.26 cfs  
 TP 40 Volume: 5.24 Ac-Ft

**Village Criteria**  
 Disturbed Area: 23.66 Acres  
 Impervious Area: 15.40 Acres  
 Composite C: 0.79 (Actual Phase 2)  
 Discharge: 0.18 cfs/acre  
 4.26 cfs  
 Bull-70 Volume: 7.32 Ac-Ft

**NET VILLAGE ADDITIONAL:**  
 Req'd Volume: 2.08 Ac-Ft  
 Pvd'd Volume: 2.93 Ac-Ft

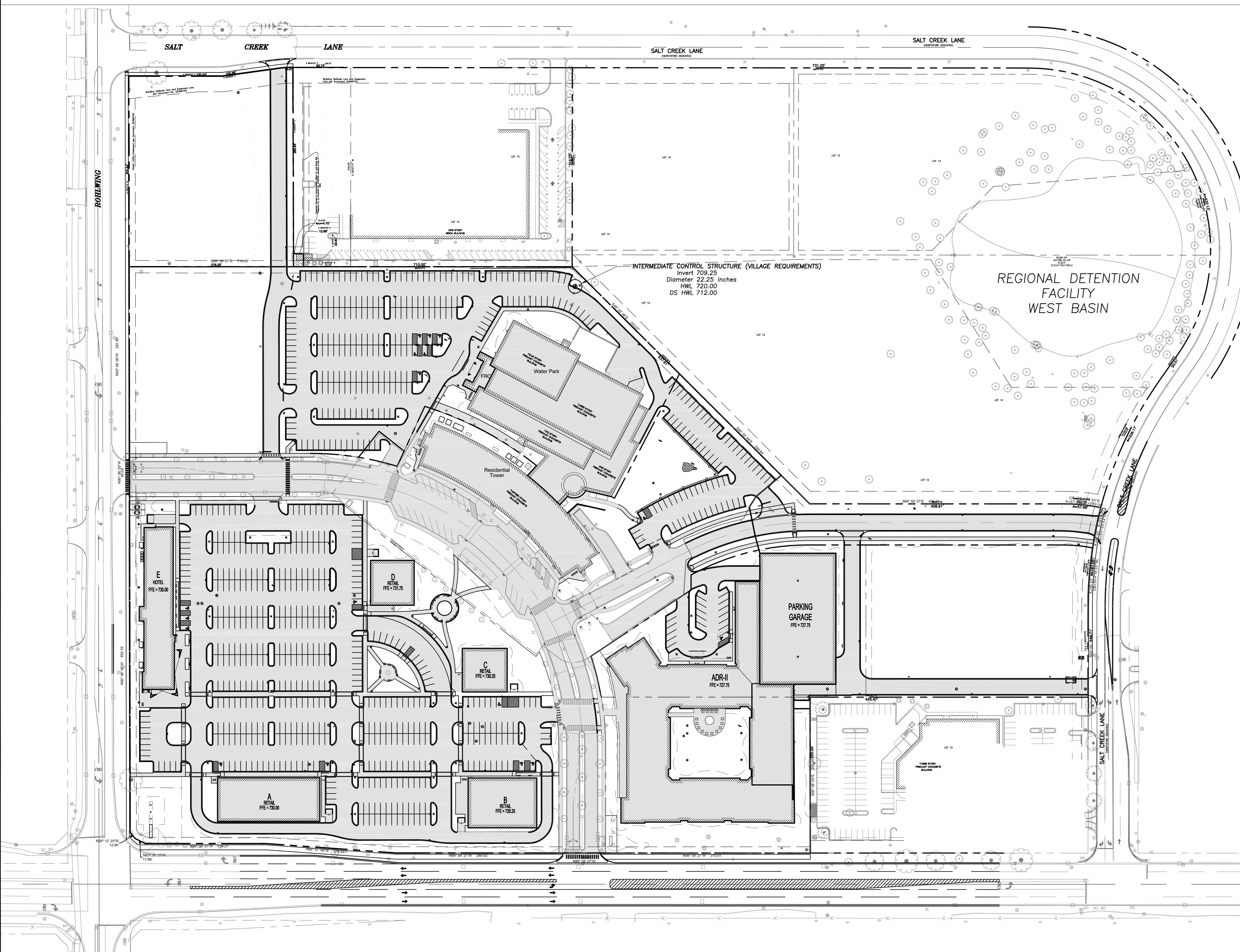
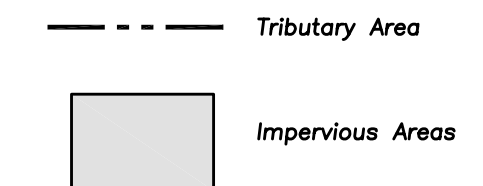
**VILLAGE OUTLET SIZING**  
 Tributary Area: 23.66 Acres  
 Composite C: 0.79  
 Intermediate Rest: 22.25" Dia  
 Intermediate Disch: 41.41 cfs  
 Max Allowed Disch: 41.64 cfs (Per 1980 Design)  
 Volume Required  
 @ Discharge: 2.63 Ac-Ft  
 Volume Provided: 2.93 Ac-Ft  
 (1.18 Ac-Ft Pipes  
 + 1.25 Ac-Ft Volume Control  
 + 0.50 Ac-Ft Above VC)

**EASTERN SITE AREA**  
 West Regional Basin Design Criteria  
 Disturbed Area: 3.15 Acres  
 Composite C: 0.85 (Regional Design)  
 Discharge: 0.18 cfs/acre  
 0.57 cfs  
 TP 40 Volume: 0.70 Ac-Ft

**Village Criteria**  
 Disturbed Area: 3.15 Acres  
 Impervious Area: 0.90 Acres  
 Composite C: 0.63 (Actual Phase 2)  
 Discharge: 0.18 cfs/acre  
 0.57 cfs  
 Bull-70 Volume: 0.66 Ac-Ft

**NET VILLAGE ADDITIONAL:**  
 Req'd Volume: N/A Ac-Ft  
 Pvd'd Volume: 0.25 Ac-Ft

**VILLAGE OUTLET SIZING**  
 Tributary Area: 3.15 Acres  
 Composite C: 0.63  
 Intermediate Rest: 11.50" Dia  
 Intermediate Disch: 6.18 cfs  
 Max Allowed Disch: 9.32 cfs (Per 1980 Design)  
 Volume Required  
 @ Discharge: 0.22 Ac-Ft  
 Volume Provided: 0.22 Ac-Ft  
 (0.13 Ac-Ft Volume Control  
 + 0.09 Ac-Ft Above VC)



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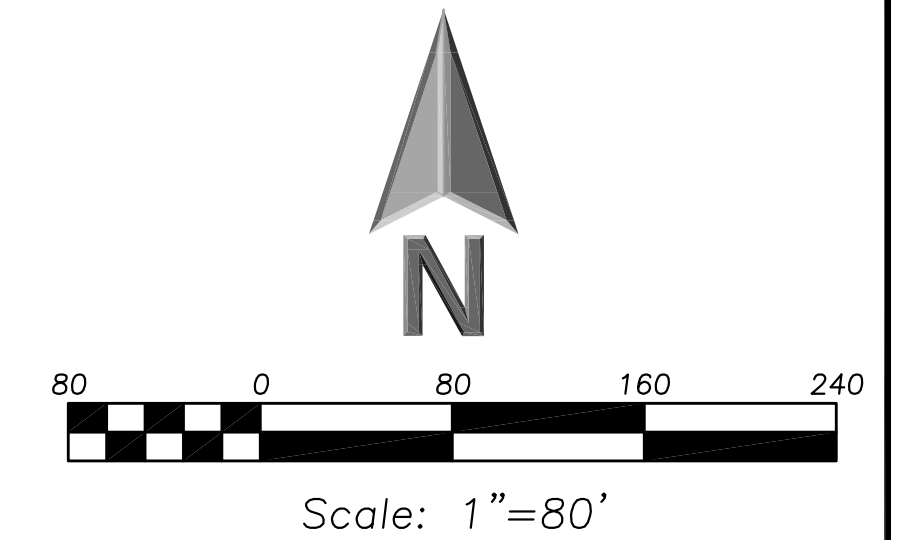
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Sheet Title:  
**VILLAGE DRAINAGE  
EXHIBIT - PHASE 2  
SITE CONDITIONS**

Sheet No:  
**C5.03**





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**DRAINAGE SUMMARY  
MWRD REQUIREMENTS**

**SITE DETENTION**  
 Property Area: 26.81 Acres  
 Permitted Composite C: 0.85 (Per 13-016)  
 Total Property Impervious Area: 22.29 Acres  
 Total Composite C: 0.82 < 0.85  
 NO ADDITIONAL MWRD VOLUME REQUIRED

**VOLUME CONTROL**  
 New Impervious Area: 16.41 Acres  
 Required Volume Control: 1" Per SF  
 1.36 Ac-Ft  
 Provided Volume Control: 1.40 Ac-Ft

**DRAINAGE SUMMARY  
VILLAGE REQUIREMENTS**

**TOTAL VILLAGE ADDITIONAL VOLUME REQUIRED**

**WESTERN SITE AREA**

**West Regional Basin Design Criteria**  
 Disturbed Area: 23.66 Acres  
 Composite C: 0.85 (Regional Design)  
 Discharge: 0.18 cfs/acre  
 4.26 cfs  
 TP 40 Volume: 5.24 Ac-Ft

**Village Criteria**  
 Disturbed Area: 23.66 Acres  
 Impervious Area: 17.70 Acres  
 Composite C: 0.84 (Actual Phase 2)  
 Discharge: 0.18 cfs/acre  
 4.26 cfs  
 Bull-70 Volume: 7.82 Ac-Ft

**NET VILLAGE ADDITIONAL:**  
 Req'd Volume: 2.58 Ac-Ft  
 Pvd'd Volume: 2.93 Ac-Ft

**VILLAGE OUTLET SIZING**  
 Tributary Area: 23.66 Acres  
 Composite C: 0.84  
 Intermediate Rest: 22.25" Dia  
 Intermediate Disch: 41.41 cfs  
 Max Allowed Disch: 41.64 cfs (Per 1980 Design)  
 Volume Required  
 Discharge: 2.87 Ac-Ft  
 Volume Provided: 2.93 Ac-Ft  
 (1.18 Ac-Ft Pipes  
 + 1.25 Ac-Ft Volume Control  
 + 0.50 Ac-Ft Above VC)

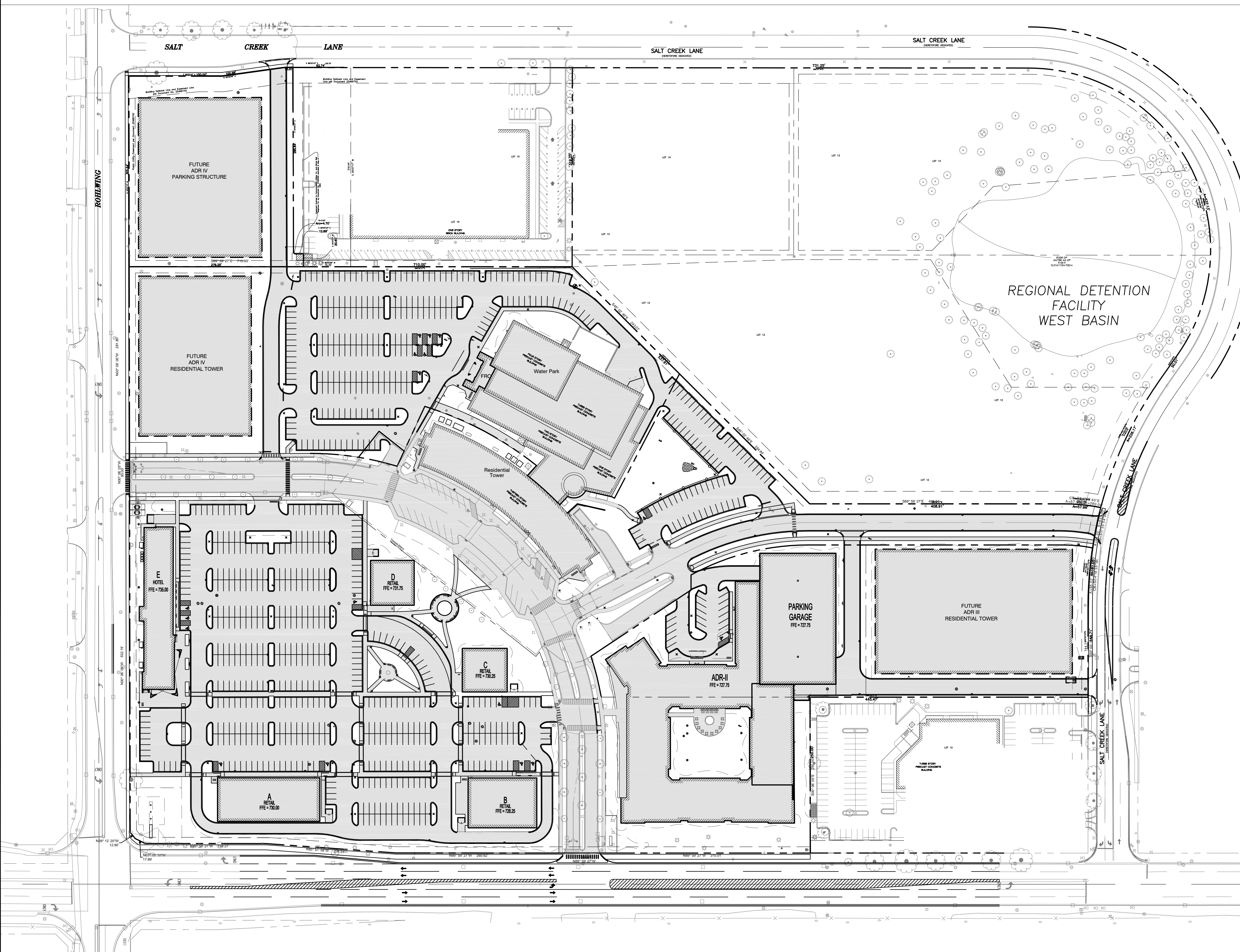
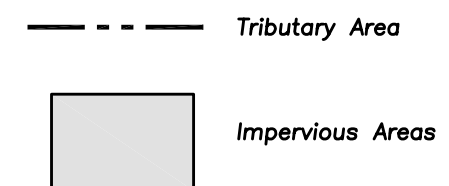
**EASTERN SITE AREA**

**West Regional Basin Design Criteria**  
 Disturbed Area: 3.15 Acres  
 Composite C: 0.85 (Regional Design)  
 Discharge: 0.18 cfs/acre  
 0.57 cfs  
 TP 40 Volume: 0.70 Ac-Ft

**Village Criteria**  
 Disturbed Area: 3.15 Acres  
 Impervious Area: 2.35 Acres  
 Composite C: 0.84 (Actual Phase 2)  
 Discharge: 0.18 cfs/acre  
 0.57 cfs  
 Bull-70 Volume: 0.97 Ac-Ft

**NET VILLAGE ADDITIONAL:**  
 Req'd Volume: 0.27 Ac-Ft  
 Pvd'd Volume: 0.45 Ac-Ft

**VILLAGE OUTLET SIZING**  
 Tributary Area: 3.15 Acres  
 Composite C: 0.84  
 Intermediate Rest: 14.25" Dia  
 Intermediate Disch: 9.32 cfs  
 Max Allowed Disch: 9.32 cfs (Per 1980 Design)  
 Volume Required  
 Discharge: 0.28 Ac-Ft  
 Volume Provided: 0.45 Ac-Ft  
 (0.30 Ac-Ft Volume Control  
 + 0.15 Ac-Ft Above VC)



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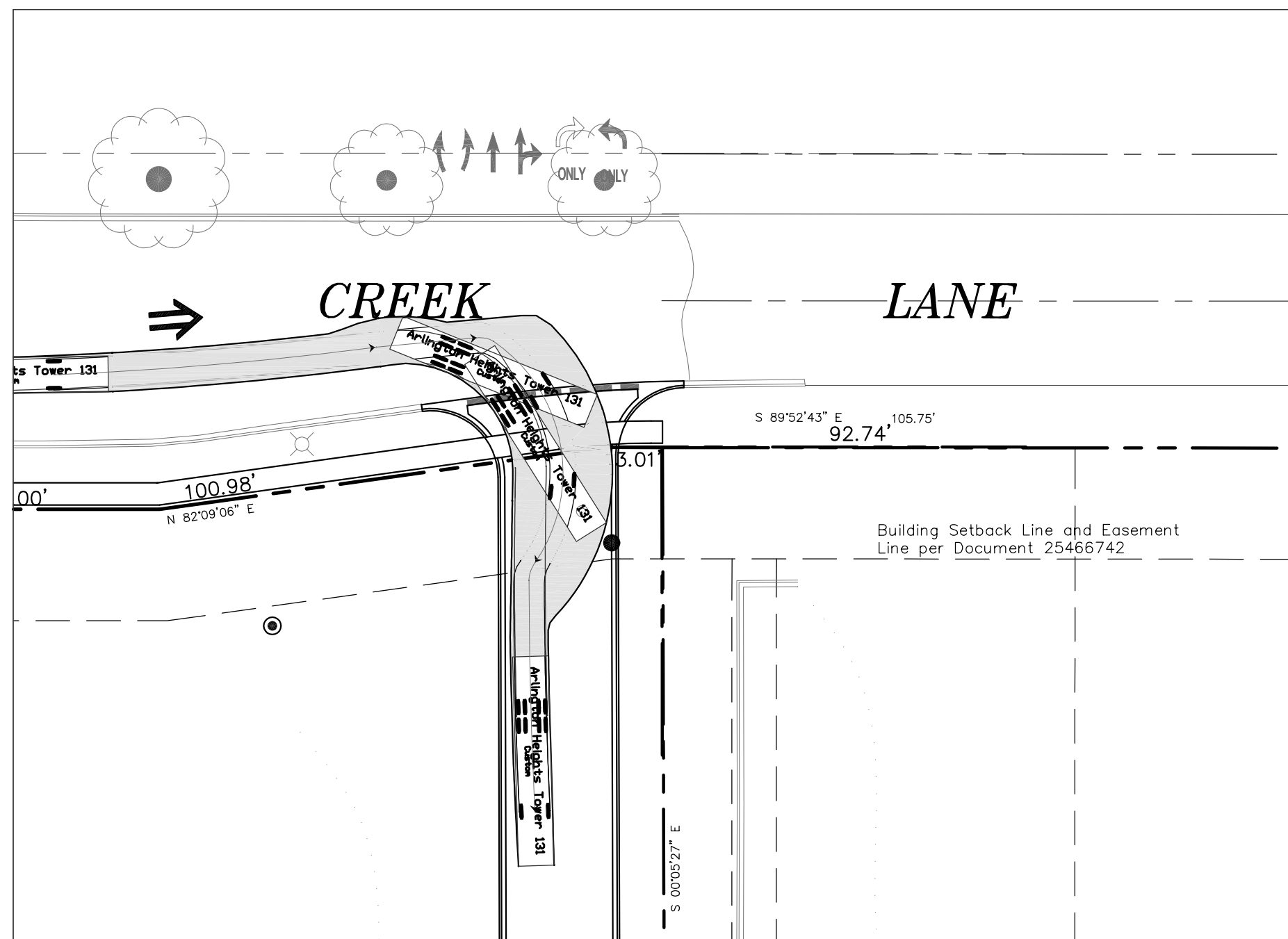
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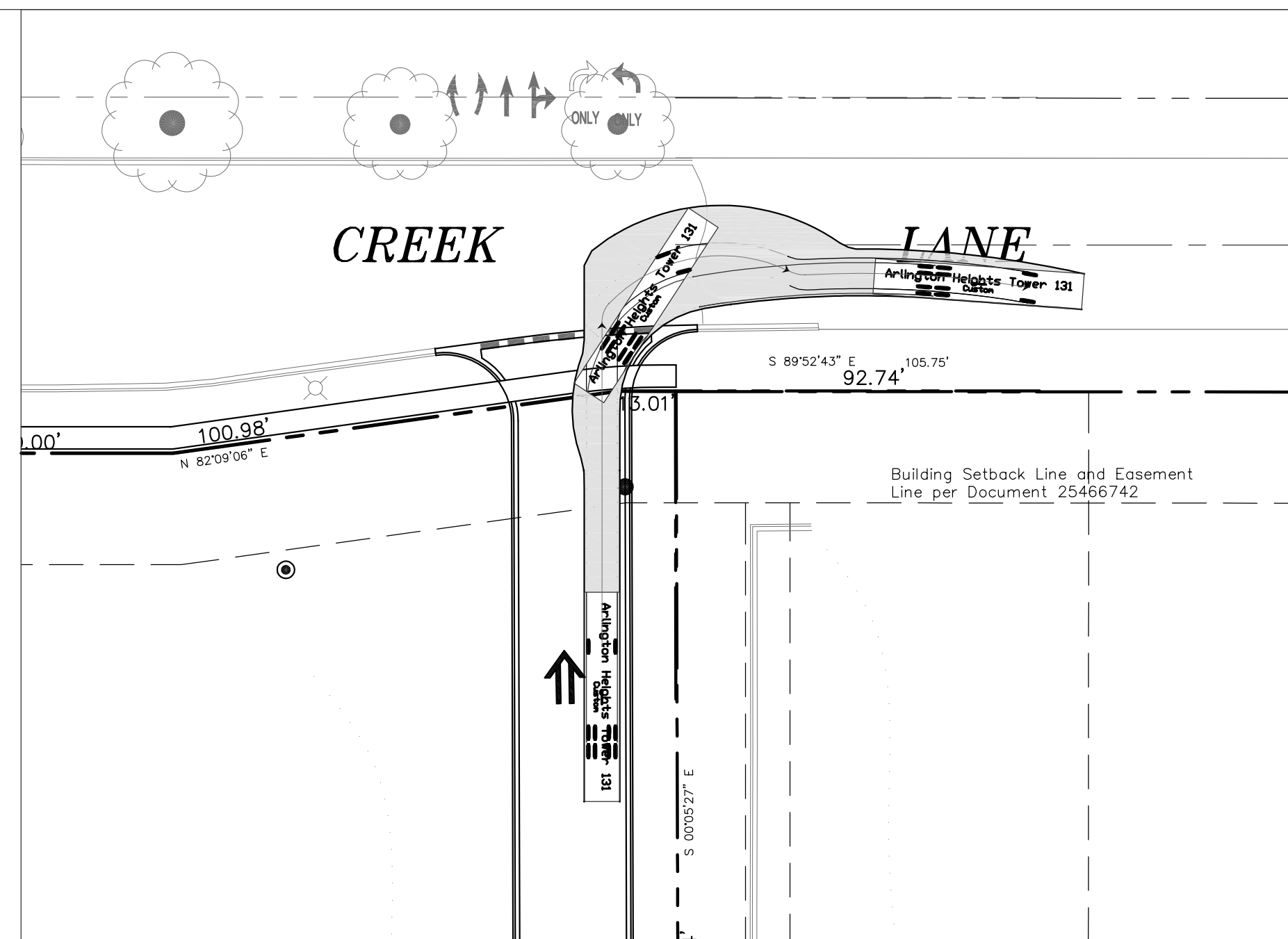
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**DRAINAGE EXHIBIT  
 FUTURE SITE  
 CONDITIONS**

Sheet No:  
**C5.04**

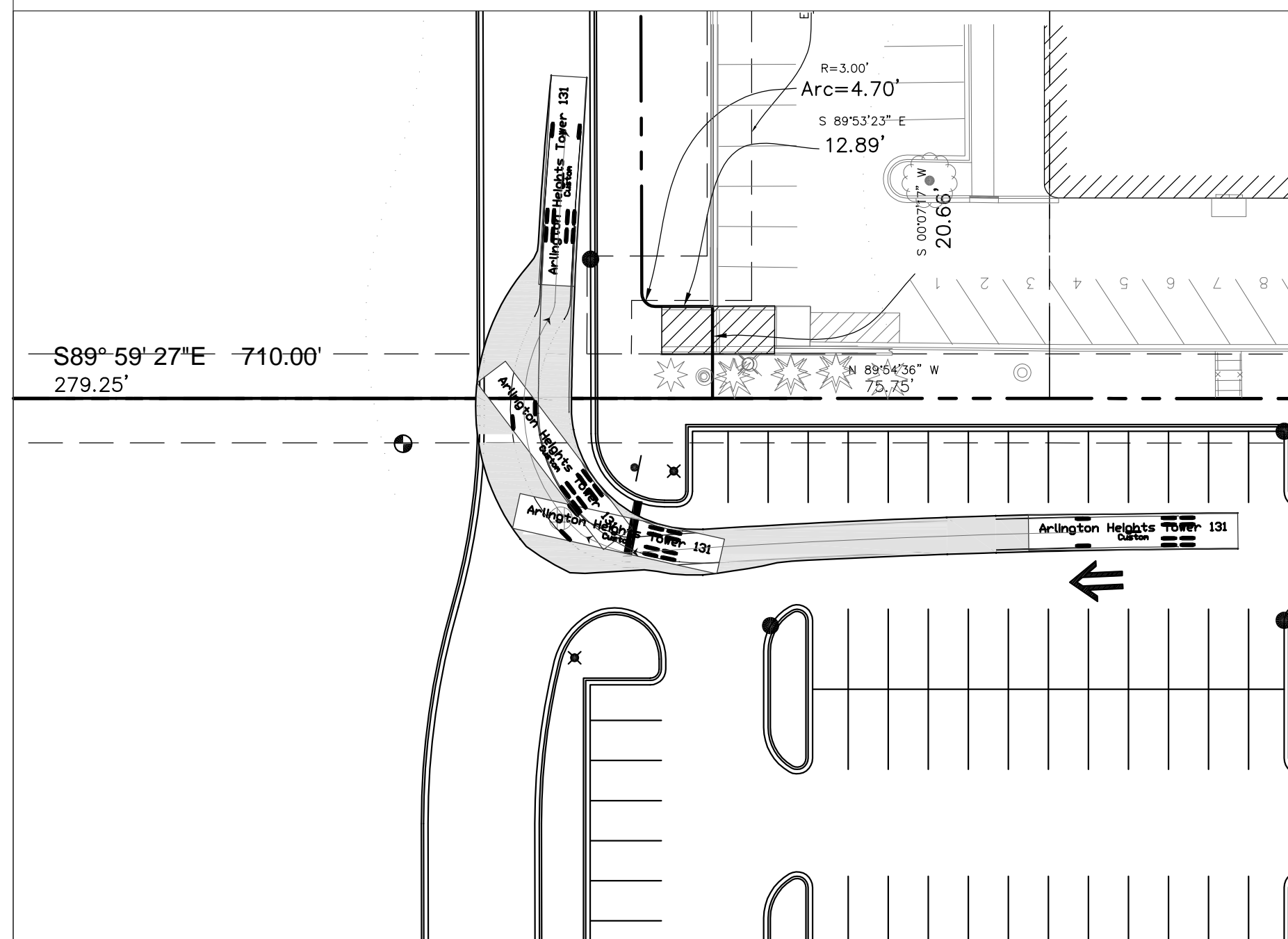
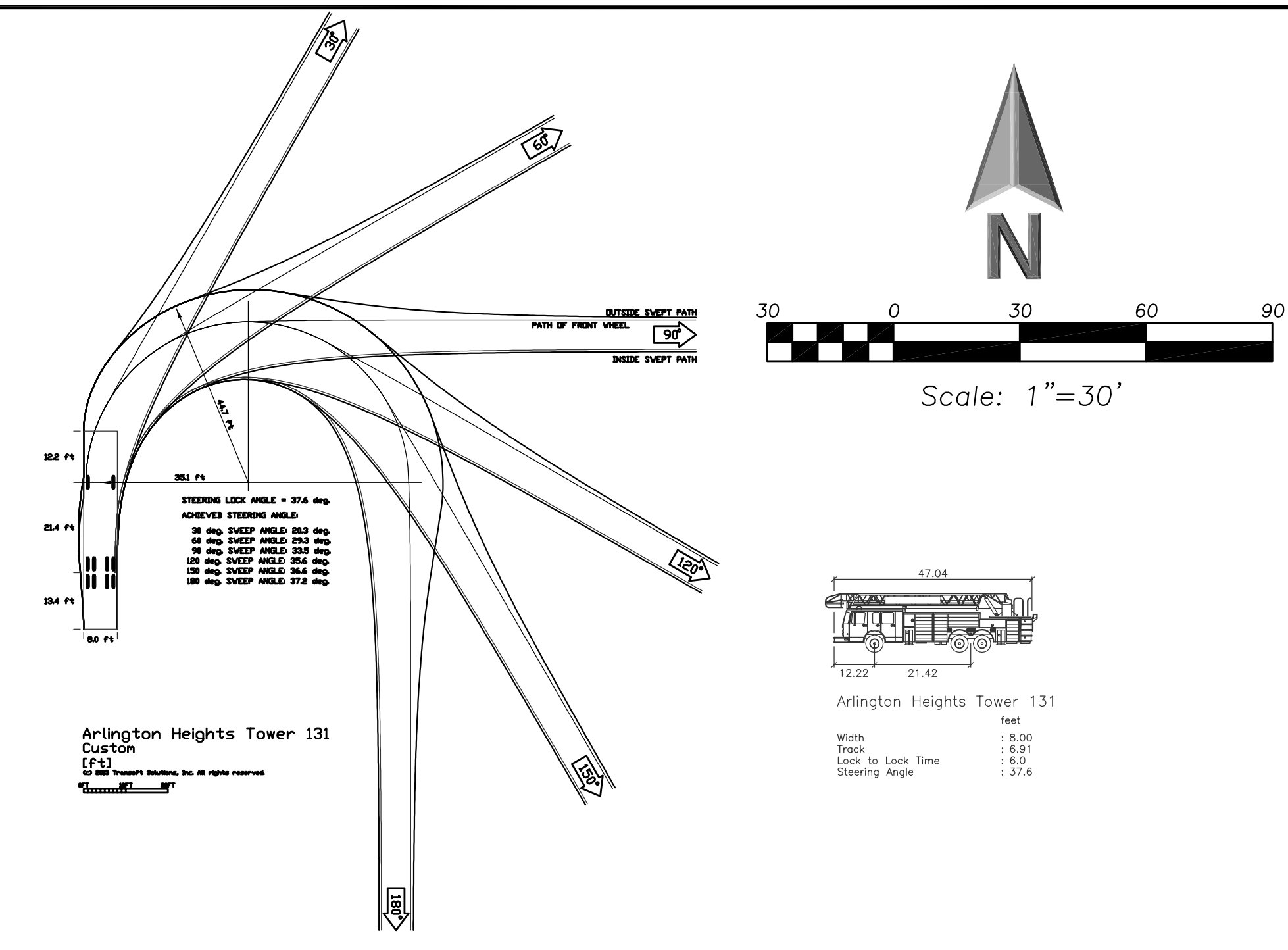




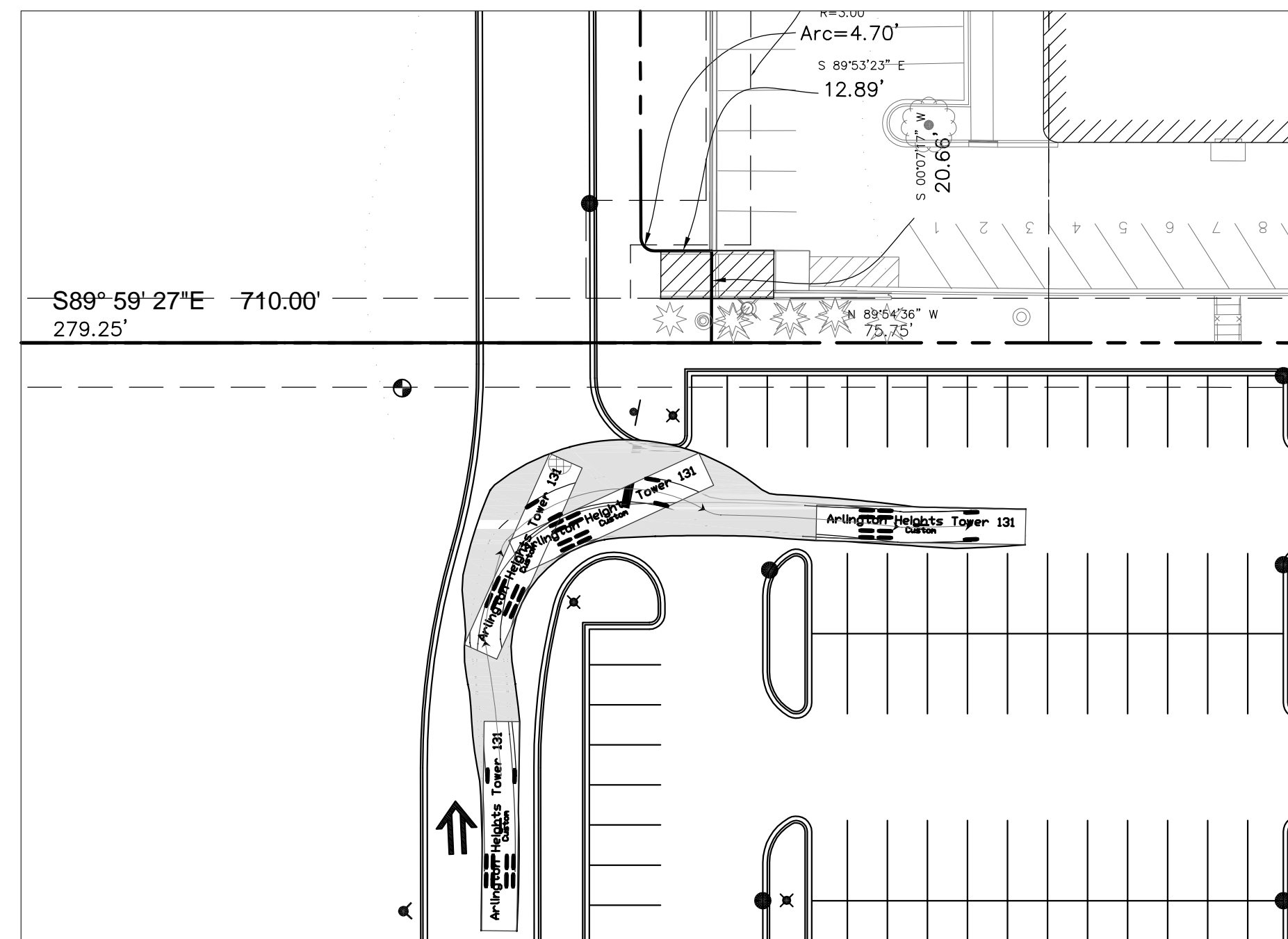
ARLINGTON HEIGHTS TOWER 131 - NORTH SALT CREEK LANE ACCESS



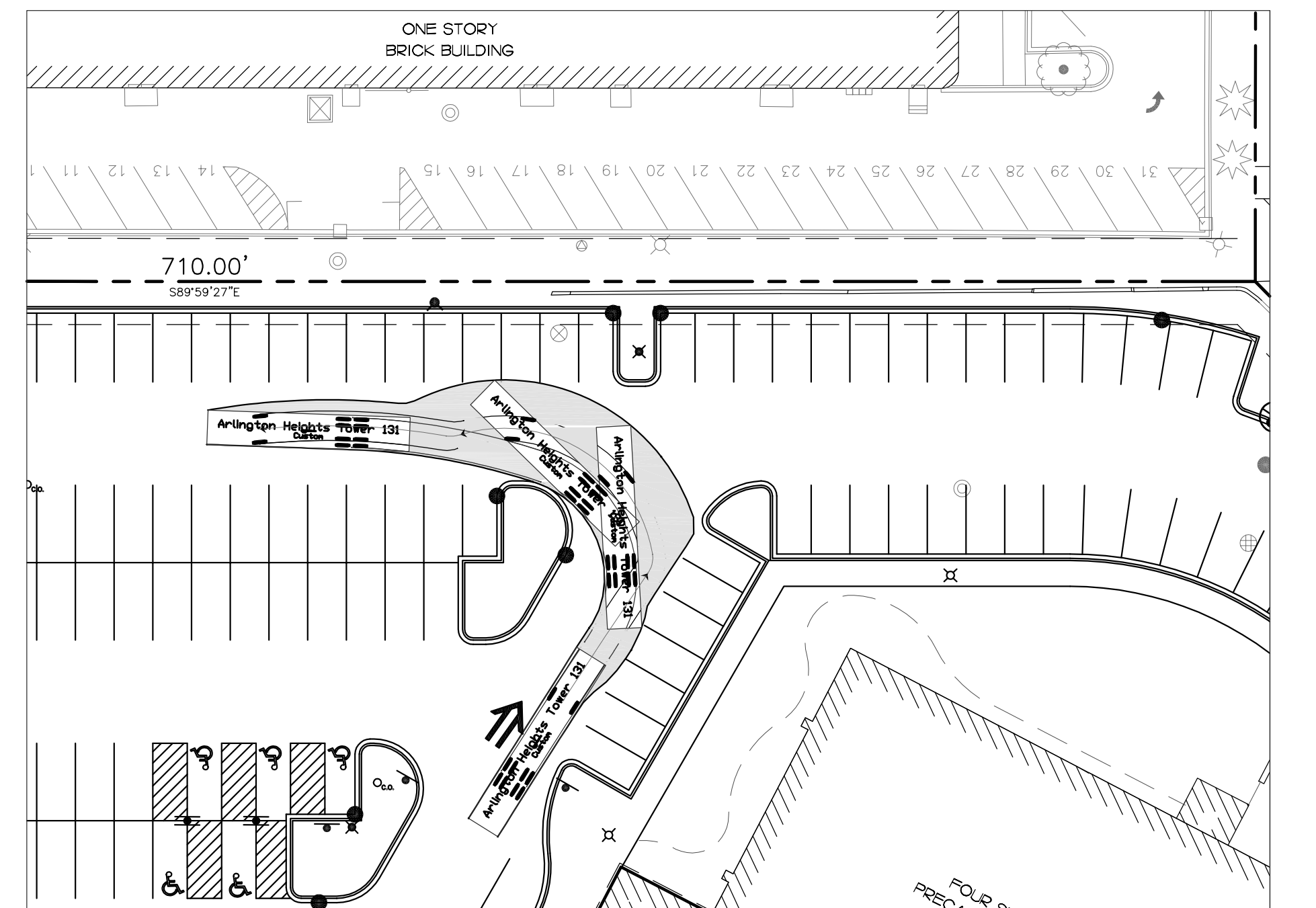
ARLINGTON HEIGHTS TOWER 131 - NORTH SALT CREEK LANE ACCESS



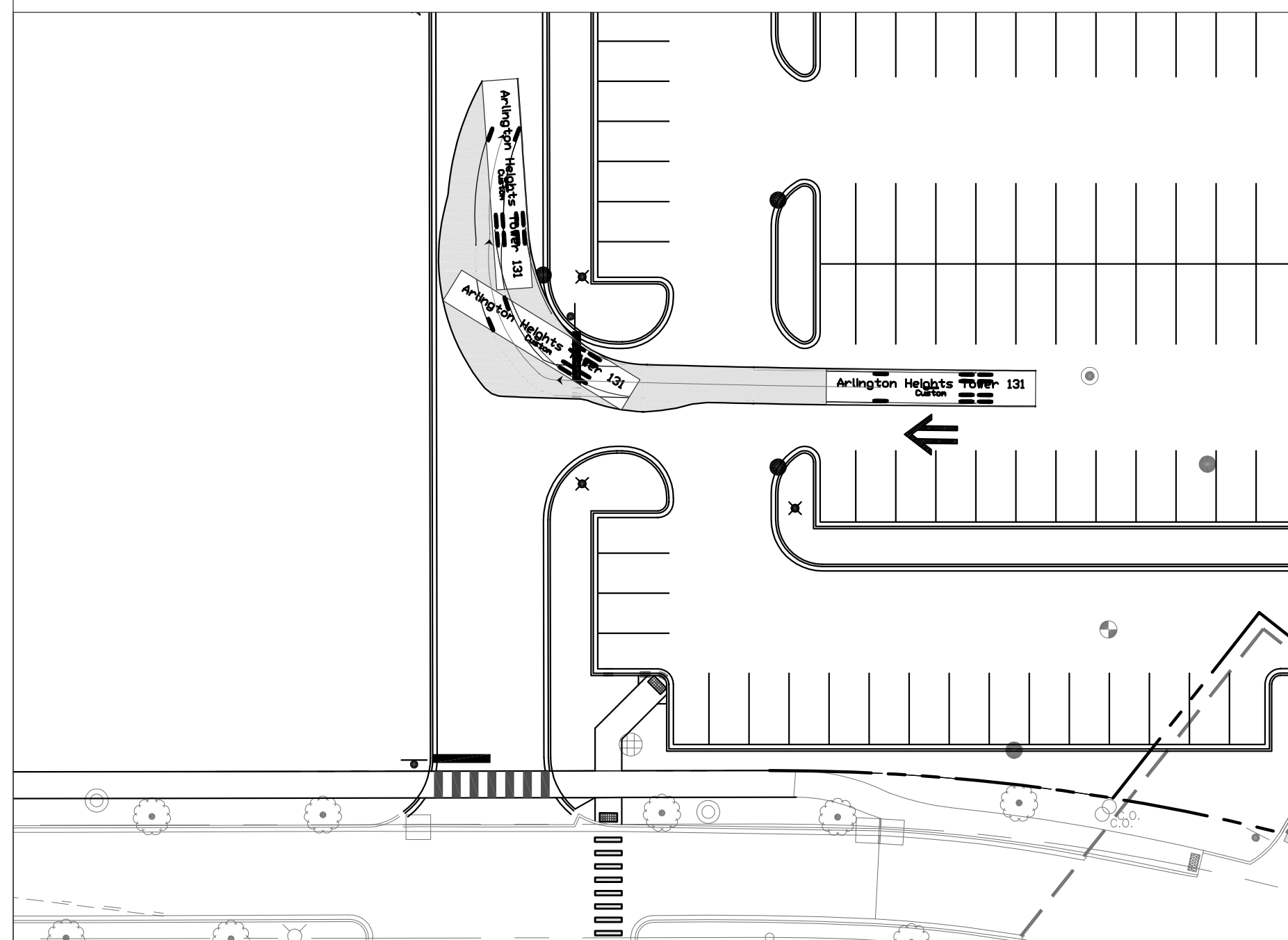
ARLINGTON HEIGHTS TOWER 131 - ZONE B - NORTHWEST



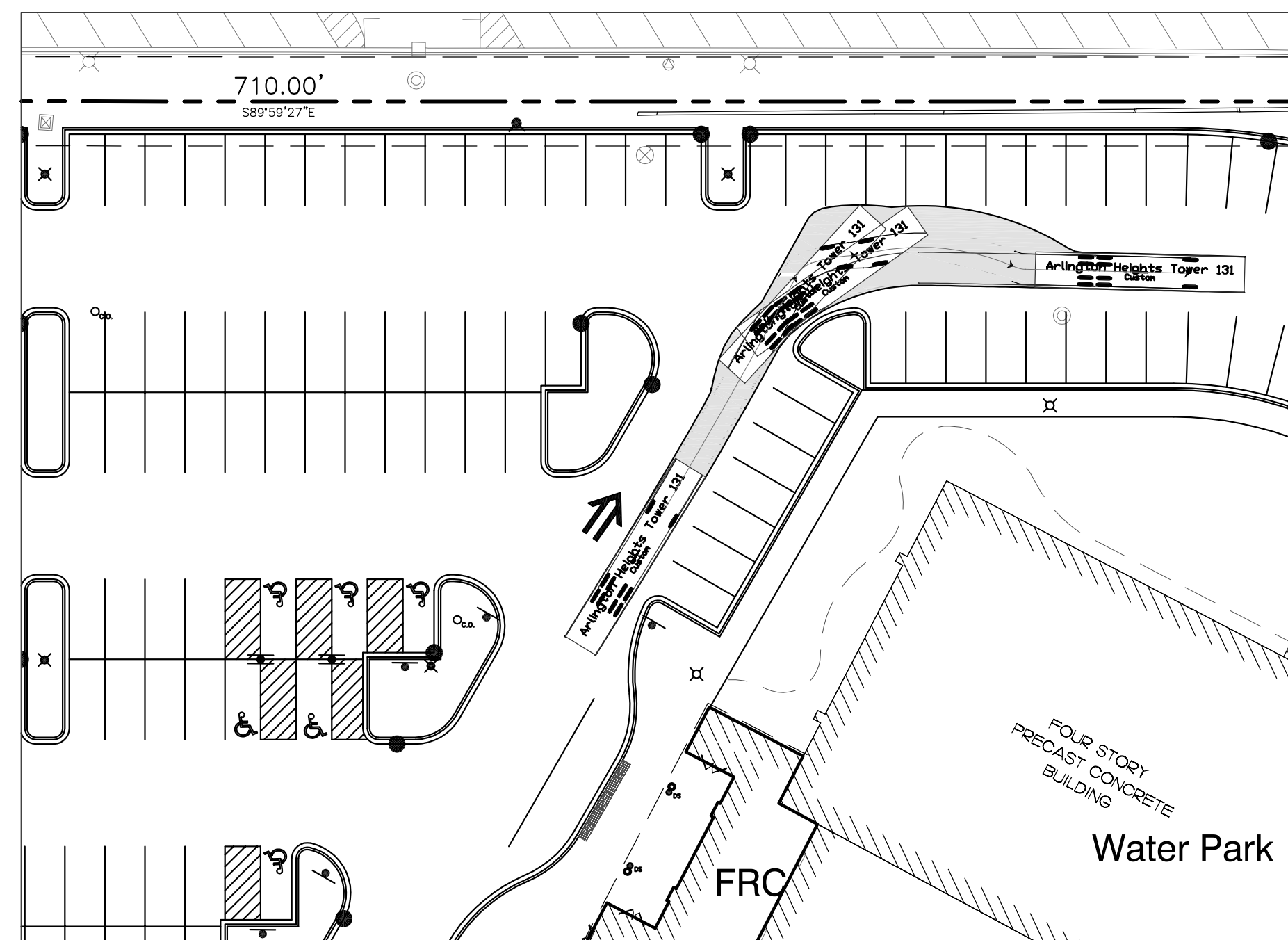
ARLINGTON HEIGHTS TOWER 131 - ZONE B - NORTHWEST



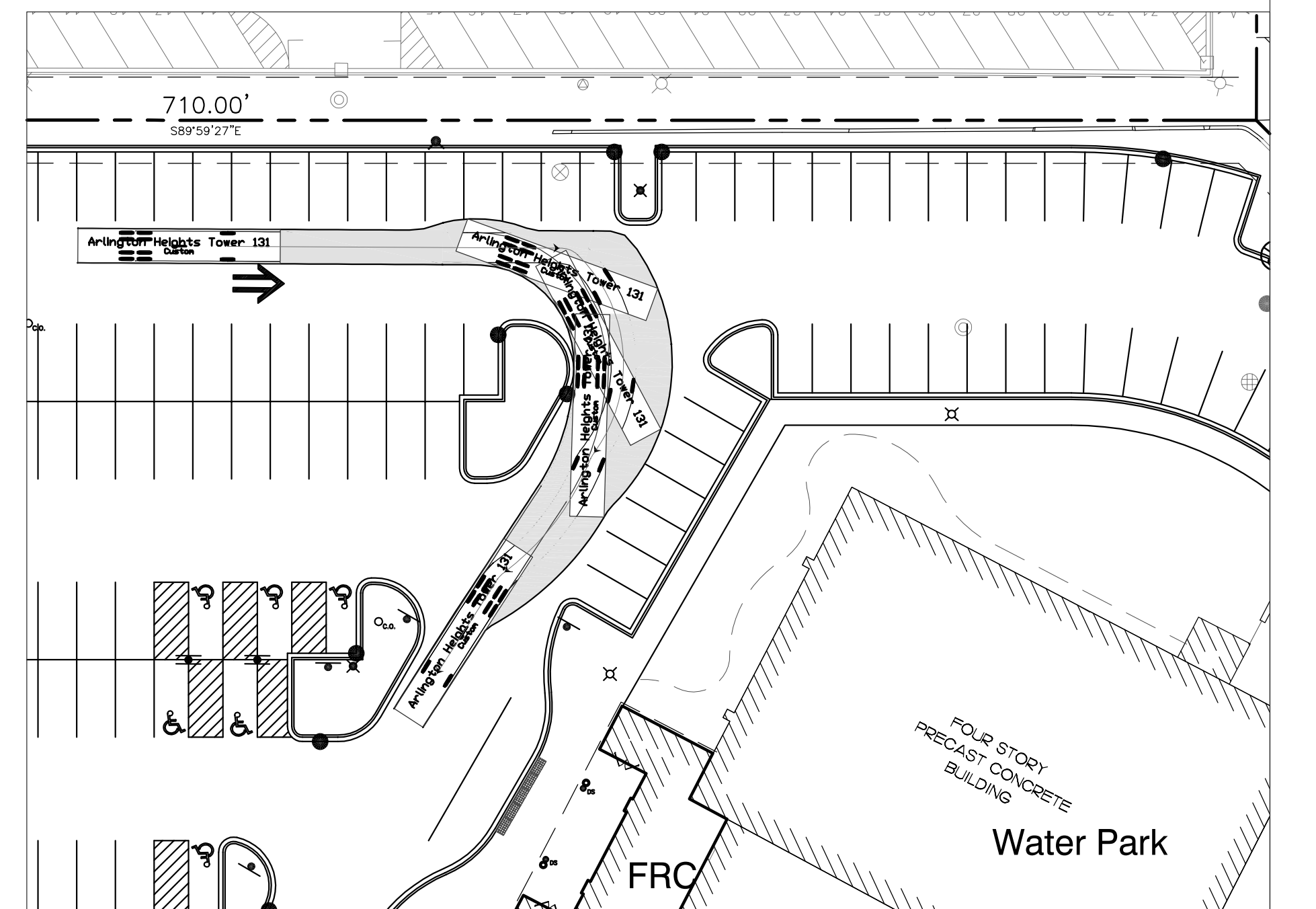
ARLINGTON HEIGHTS TOWER 131 - ZONE B - NORTHEAST



ARLINGTON HEIGHTS TOWER 131 - ZONE B - SOUTHWEST



ARLINGTON HEIGHTS TOWER 131 - ZONE B - NORTHEAST



ARLINGTON HEIGHTS TOWER 131 - ZONE B - NORTHEAST



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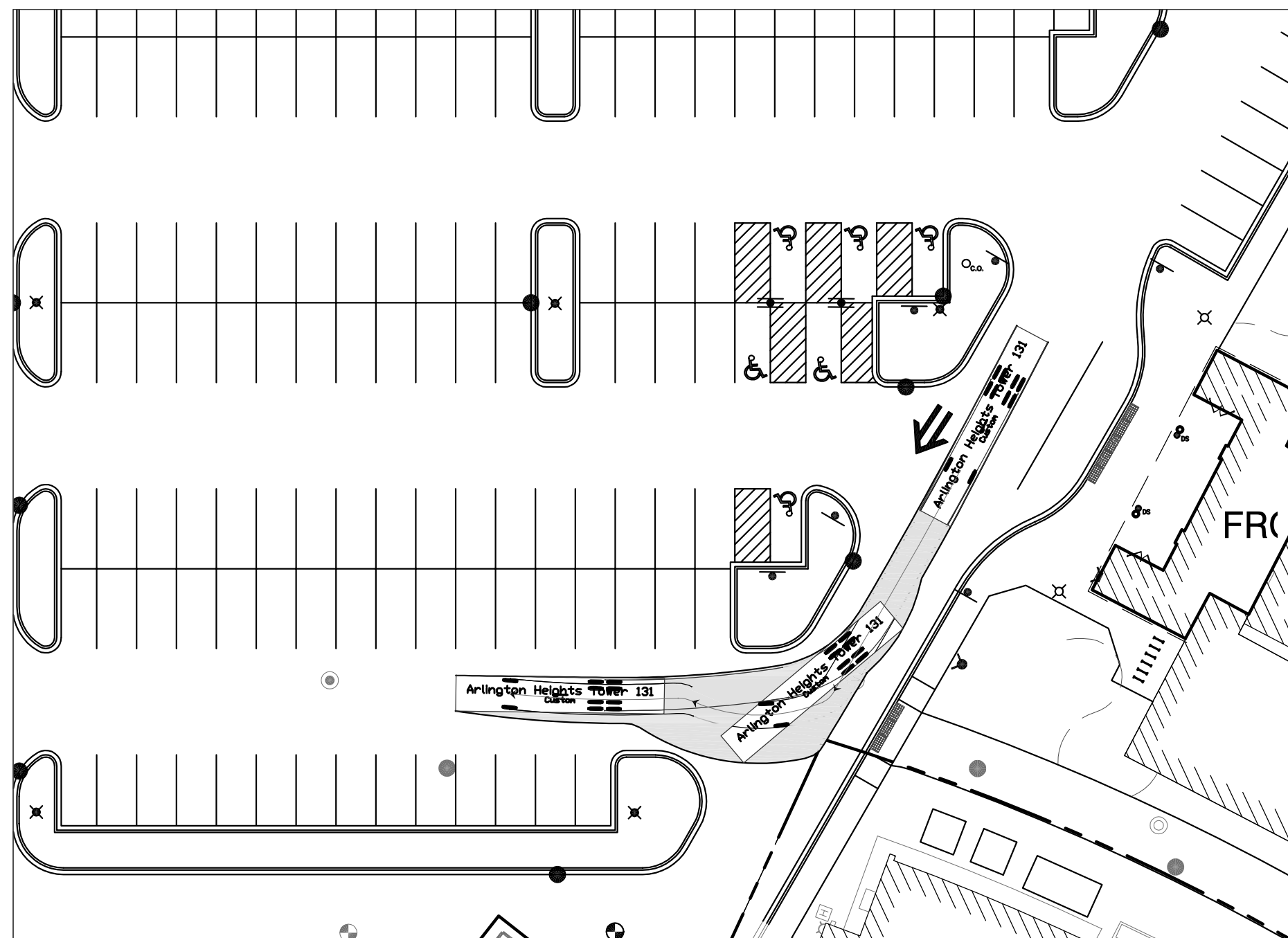
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Design By:	PD	Date:	04/04/18
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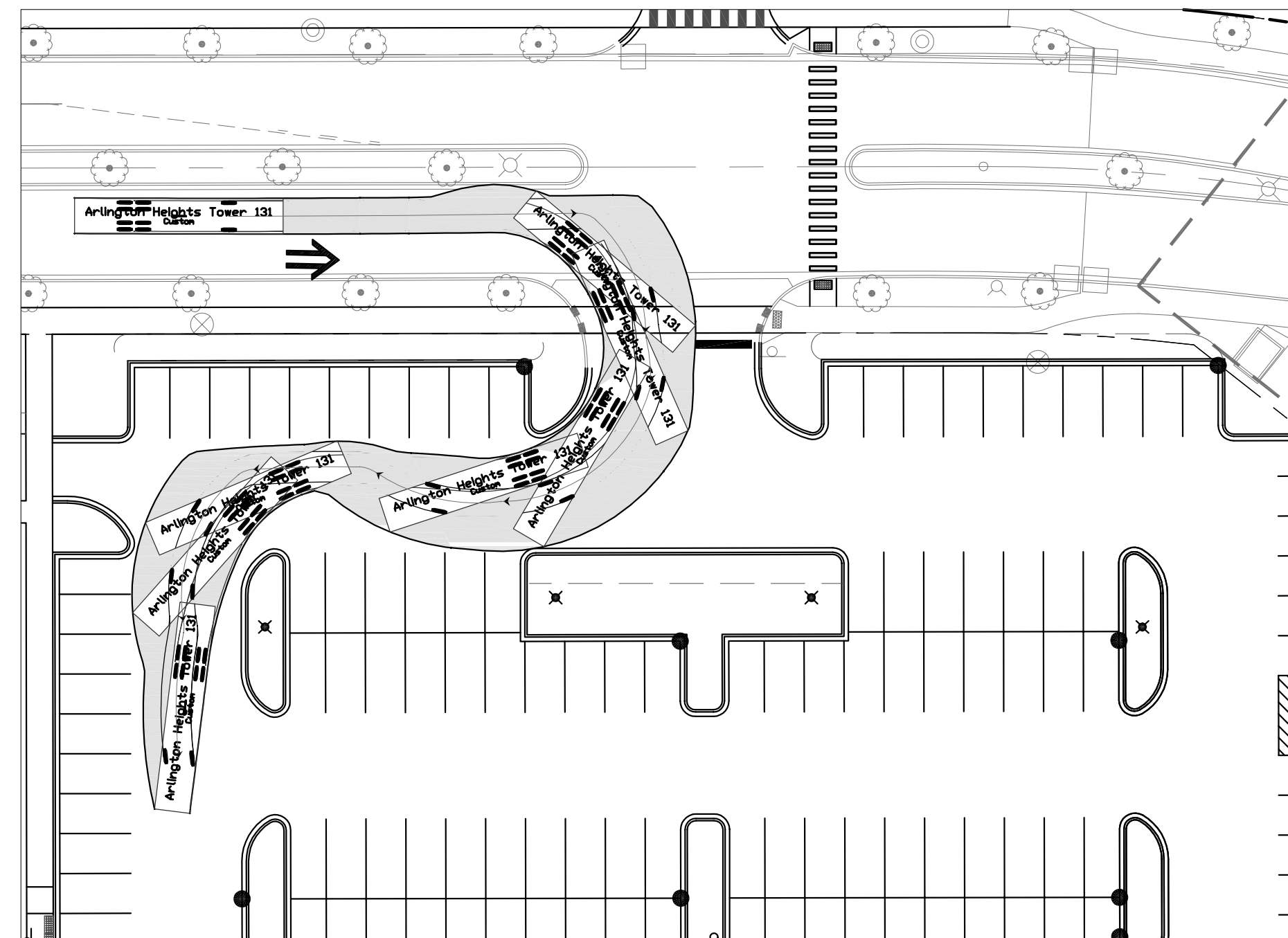
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**AUTOTURN EXHIBIT  
FIRE TRUCK**

Sheet No:  
**C6.01**

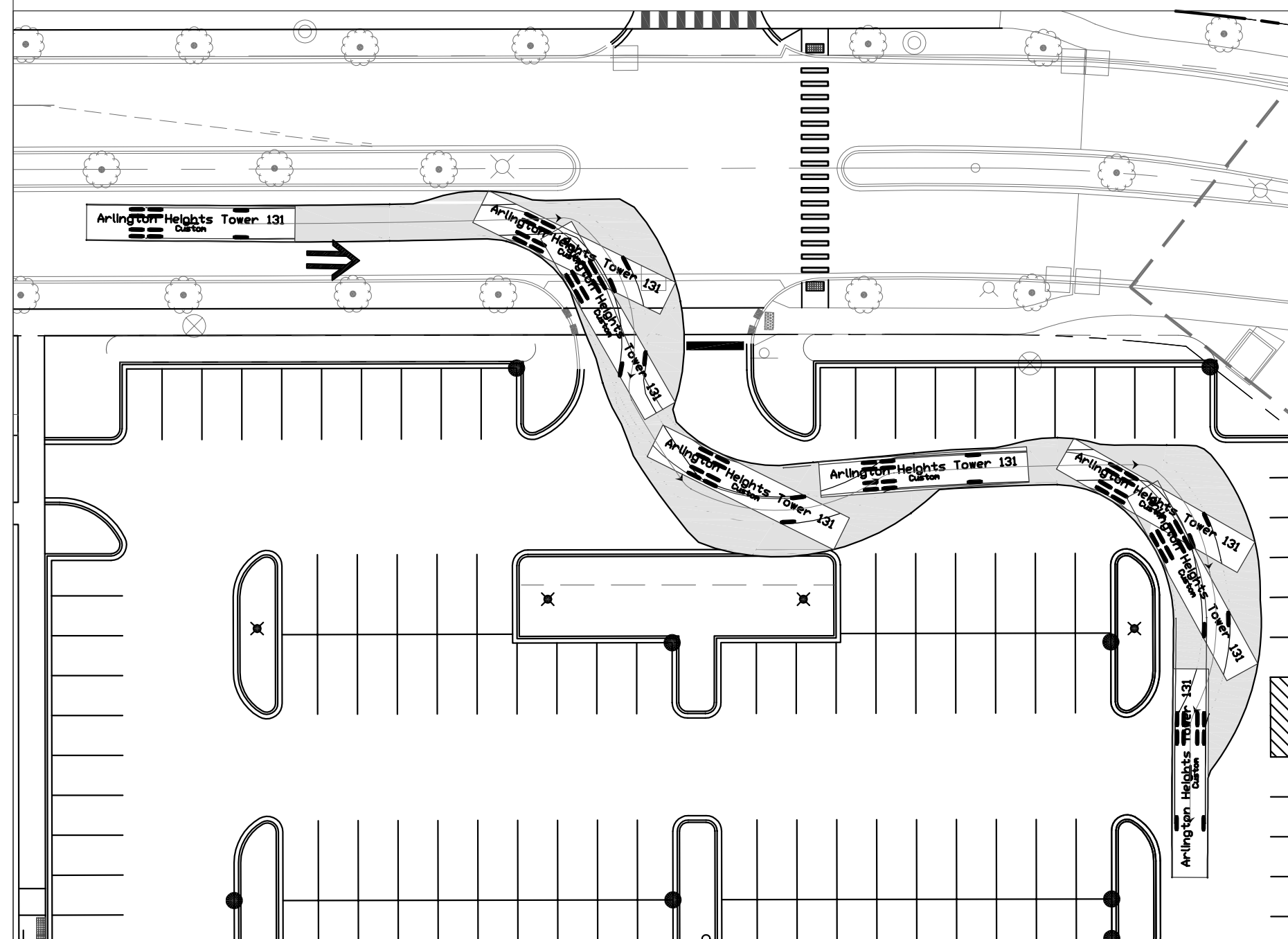
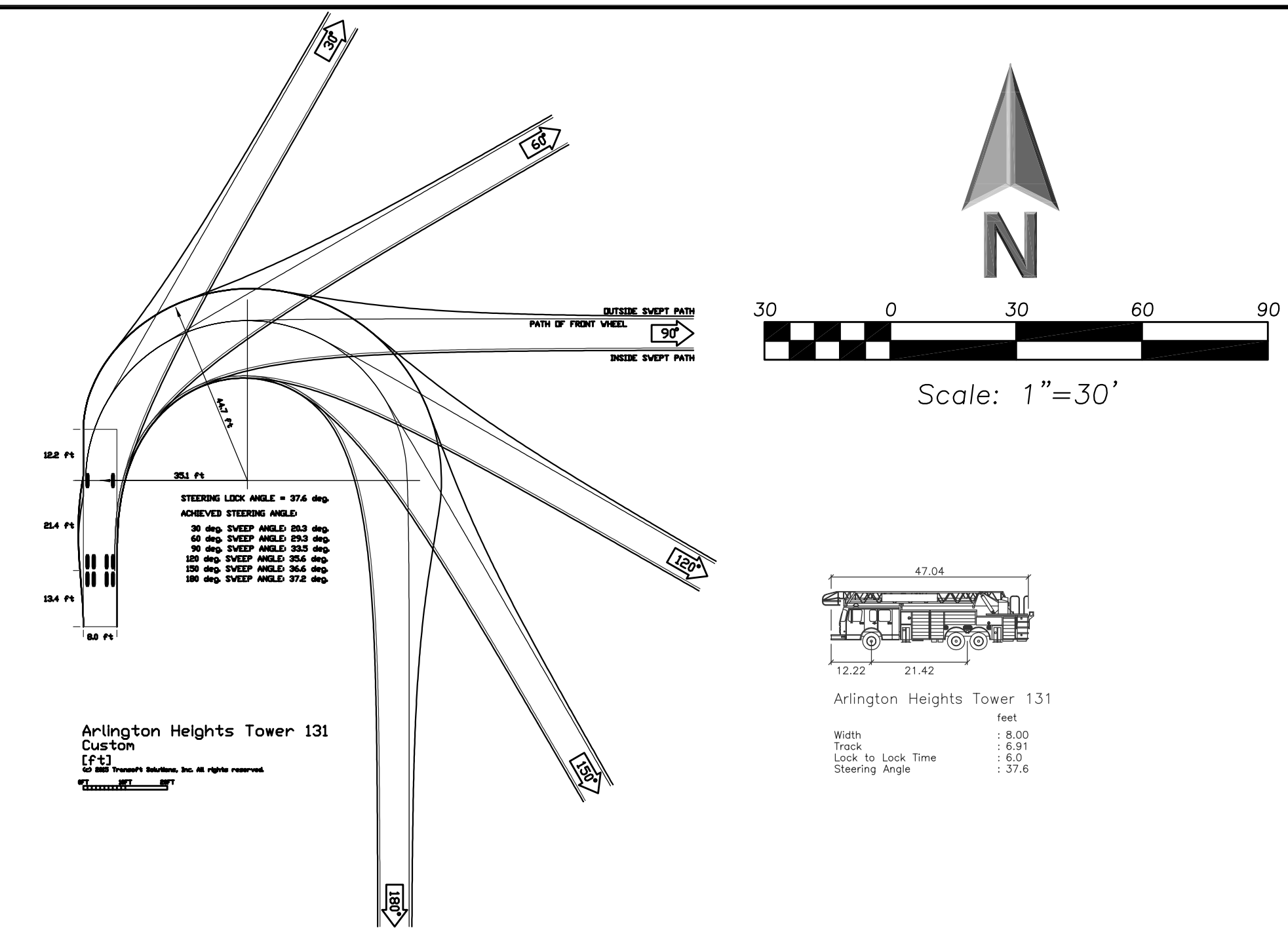
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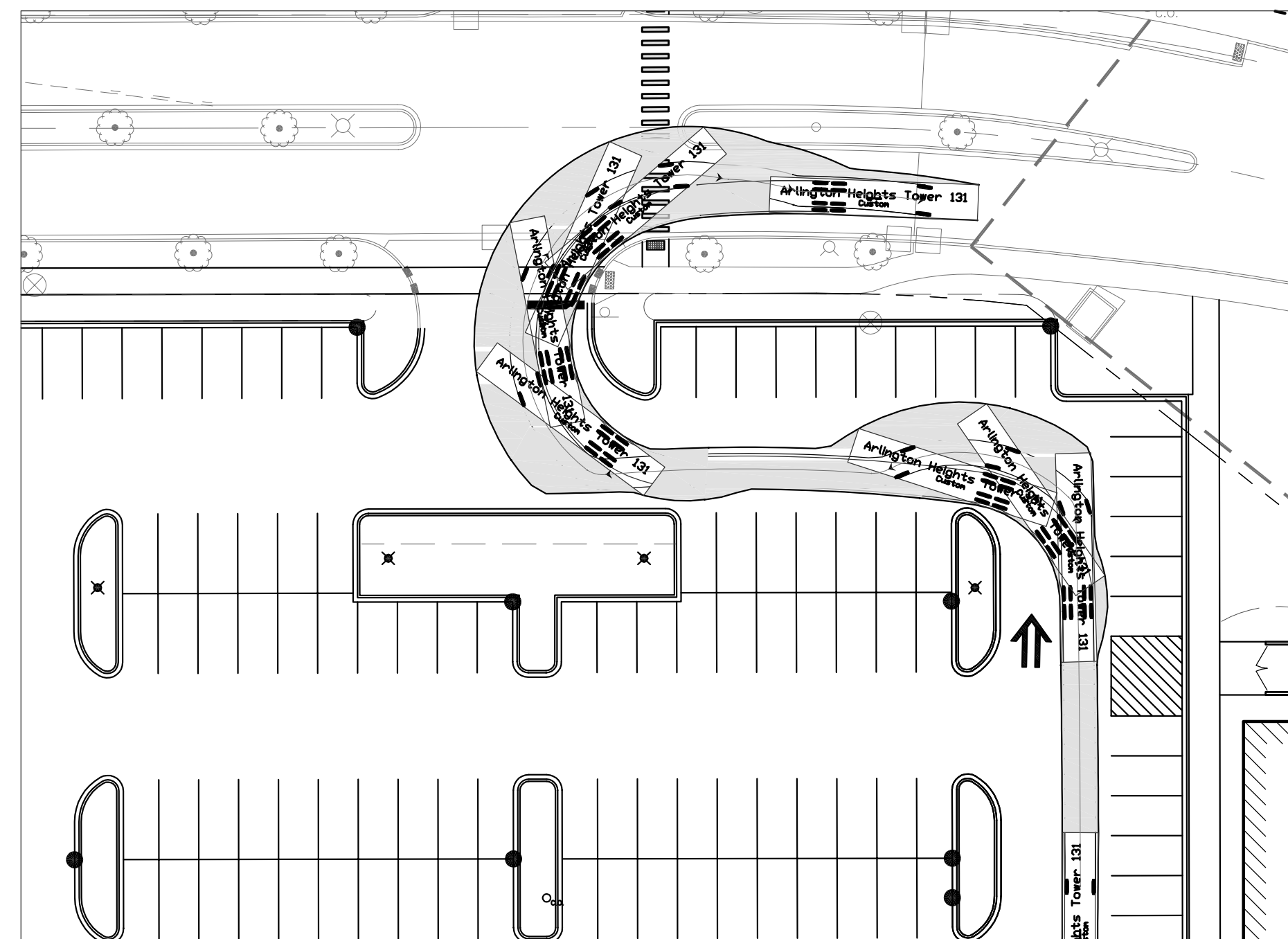
ARLINGTON HEIGHTS TOWER 131 - ZONE B - SOUTHEAST



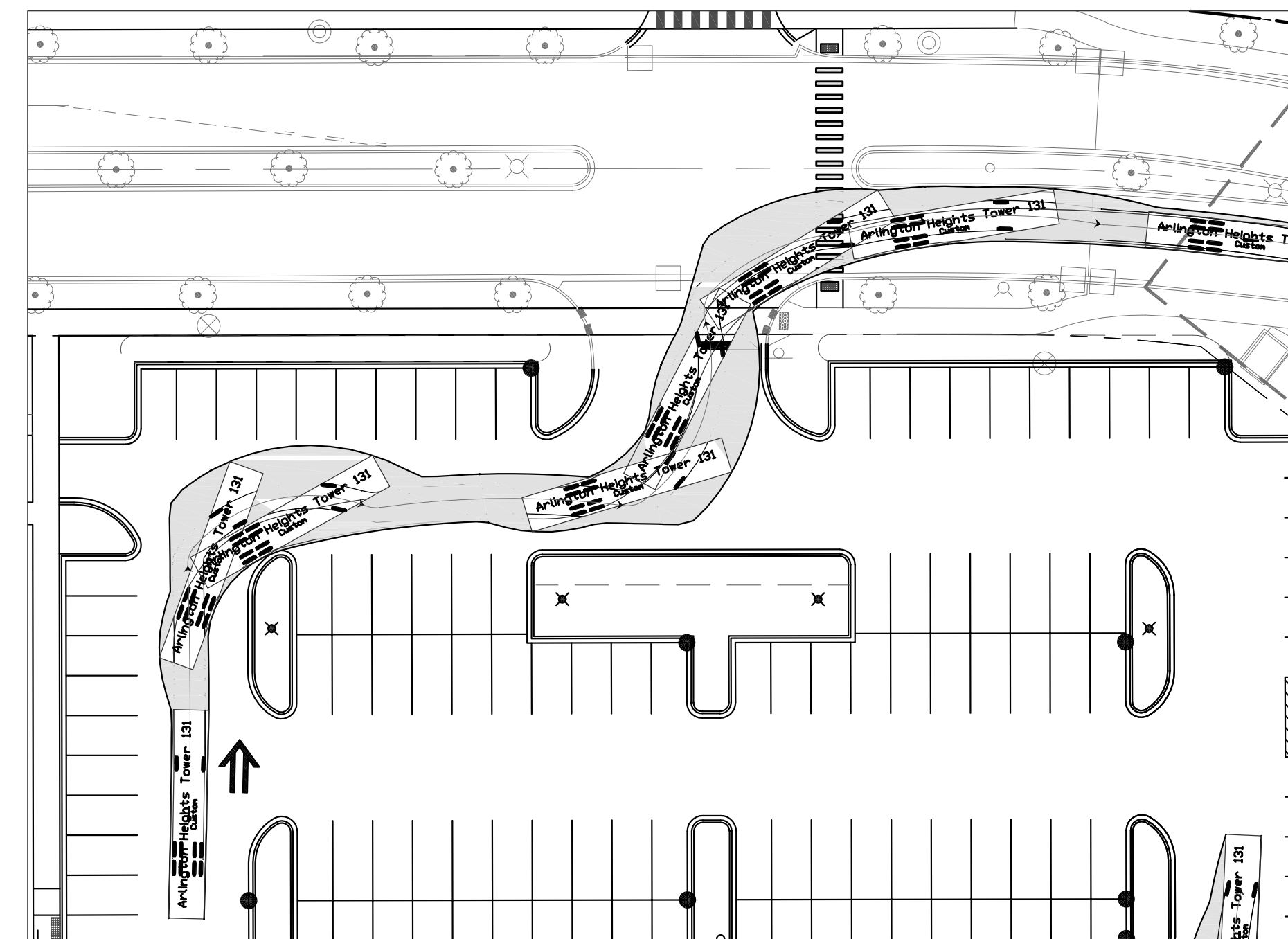
ARLINGTON HEIGHTS TOWER 131 - ZONE D - NORTH ACCESS



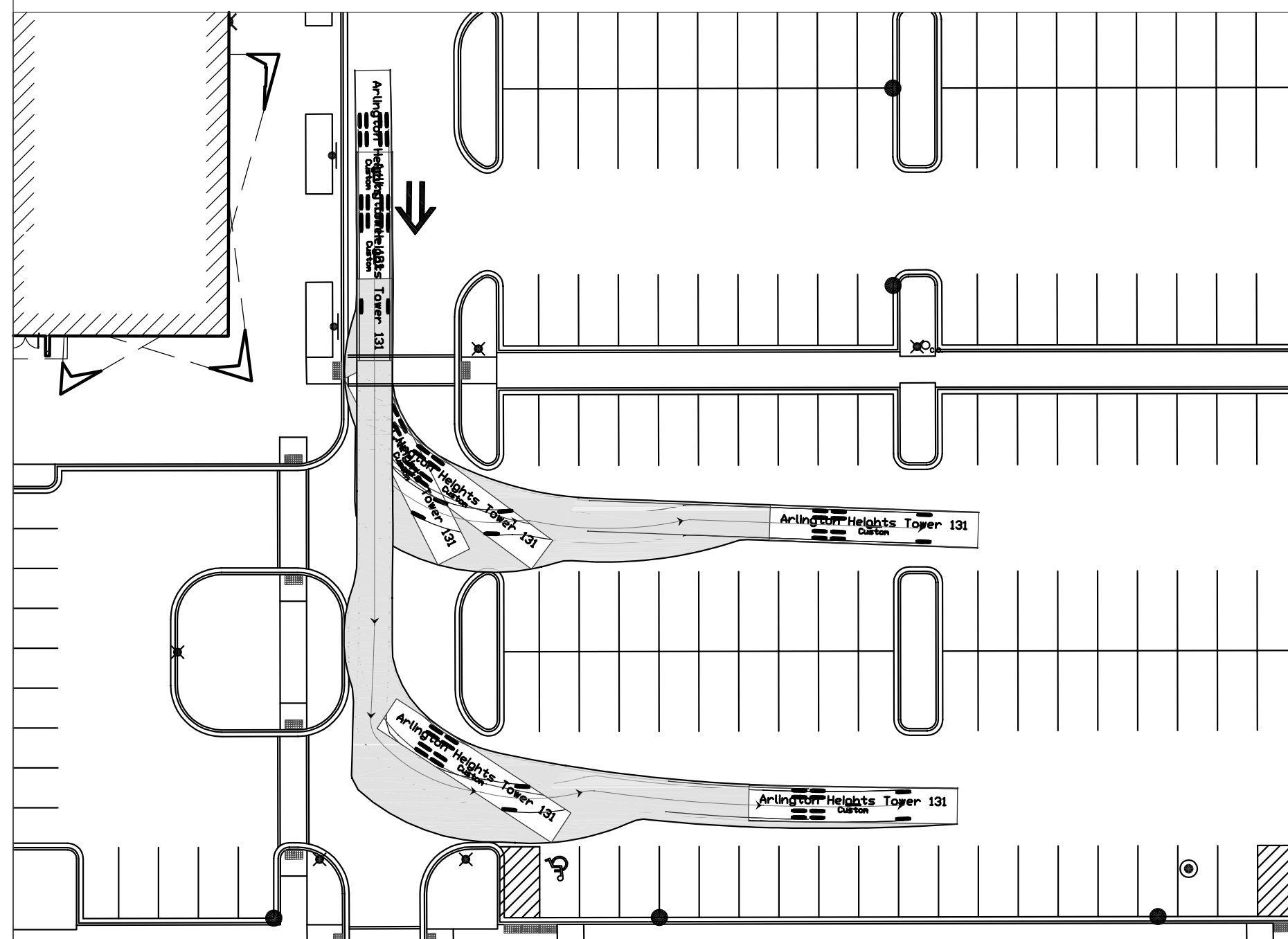
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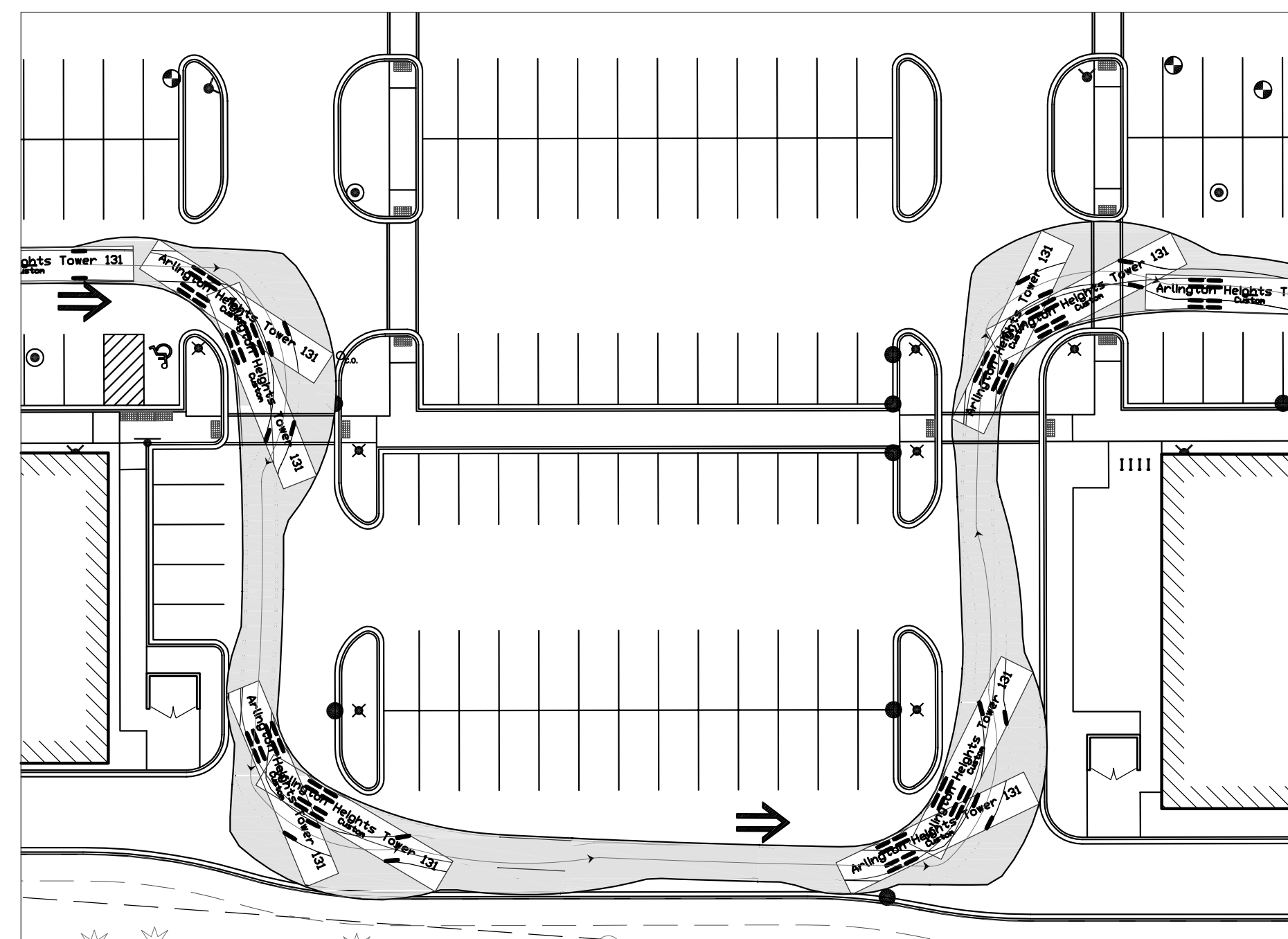
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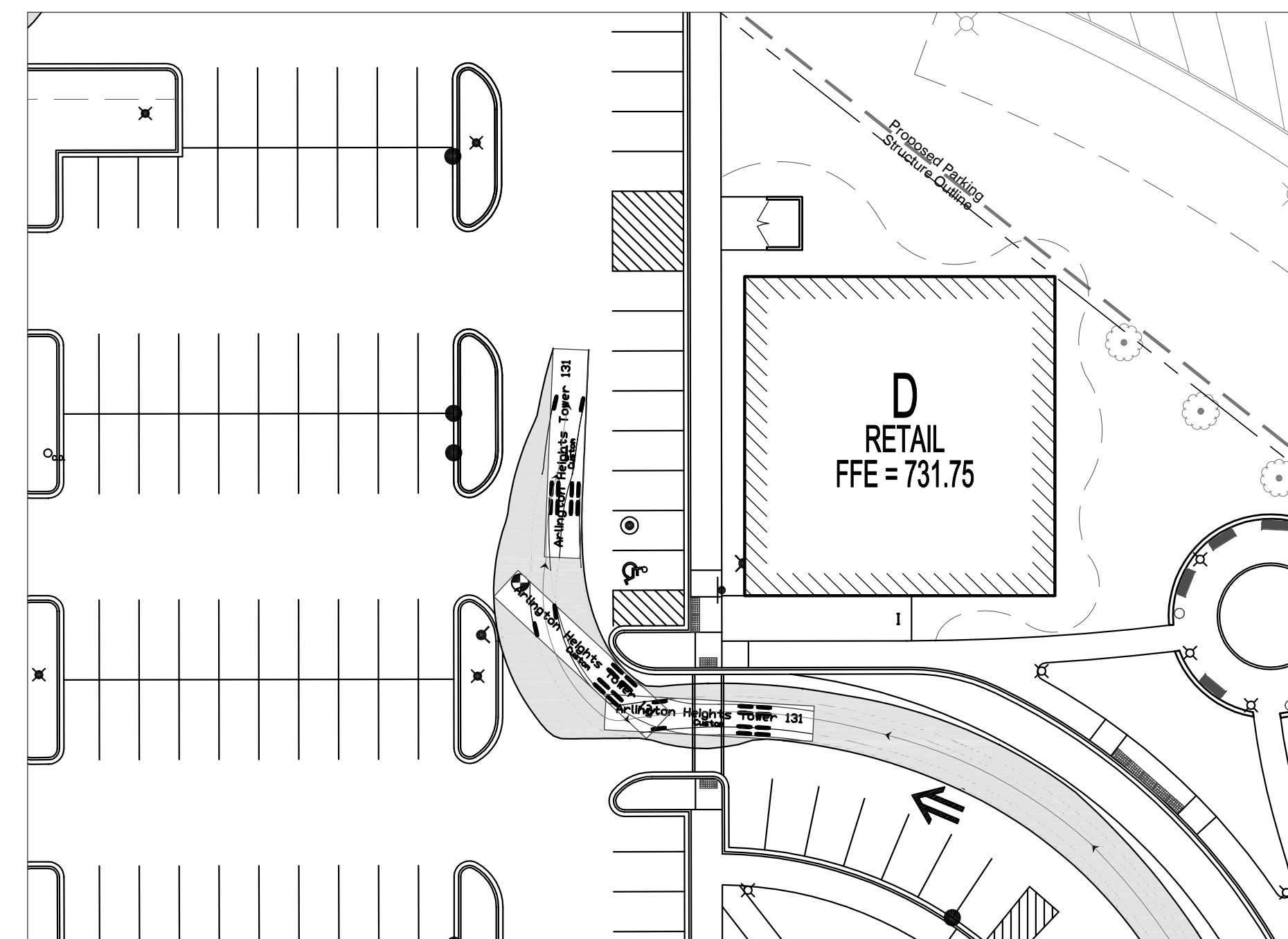
ARLINGTON HEIGHTS TOWER 131 - ZONE D - NORTH ACCESS



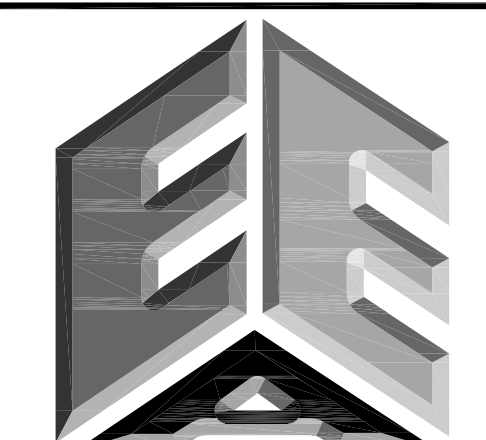
ARLINGTON HEIGHTS TOWER 131 - ZONE D - SOUTHWEST



ARLINGTON HEIGHTS TOWER 131 - ZONE D - SOUTH CENTRAL



ARLINGTON HEIGHTS TOWER 131 - ZONE D - CENTRAL



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**ARLINGTON DOWNS  
PHASE 2 CONSTRUCTION**  
3400 W Euclid Avenue  
Arlington Heights, Illinois

Reserved for Seal:

Expiration Date: 11/19

No.	Date	Description
	04/04/18	Issued For PUD Amendment
	05/08/18	Revised Per Village
	06/22/18	Revised Per Village

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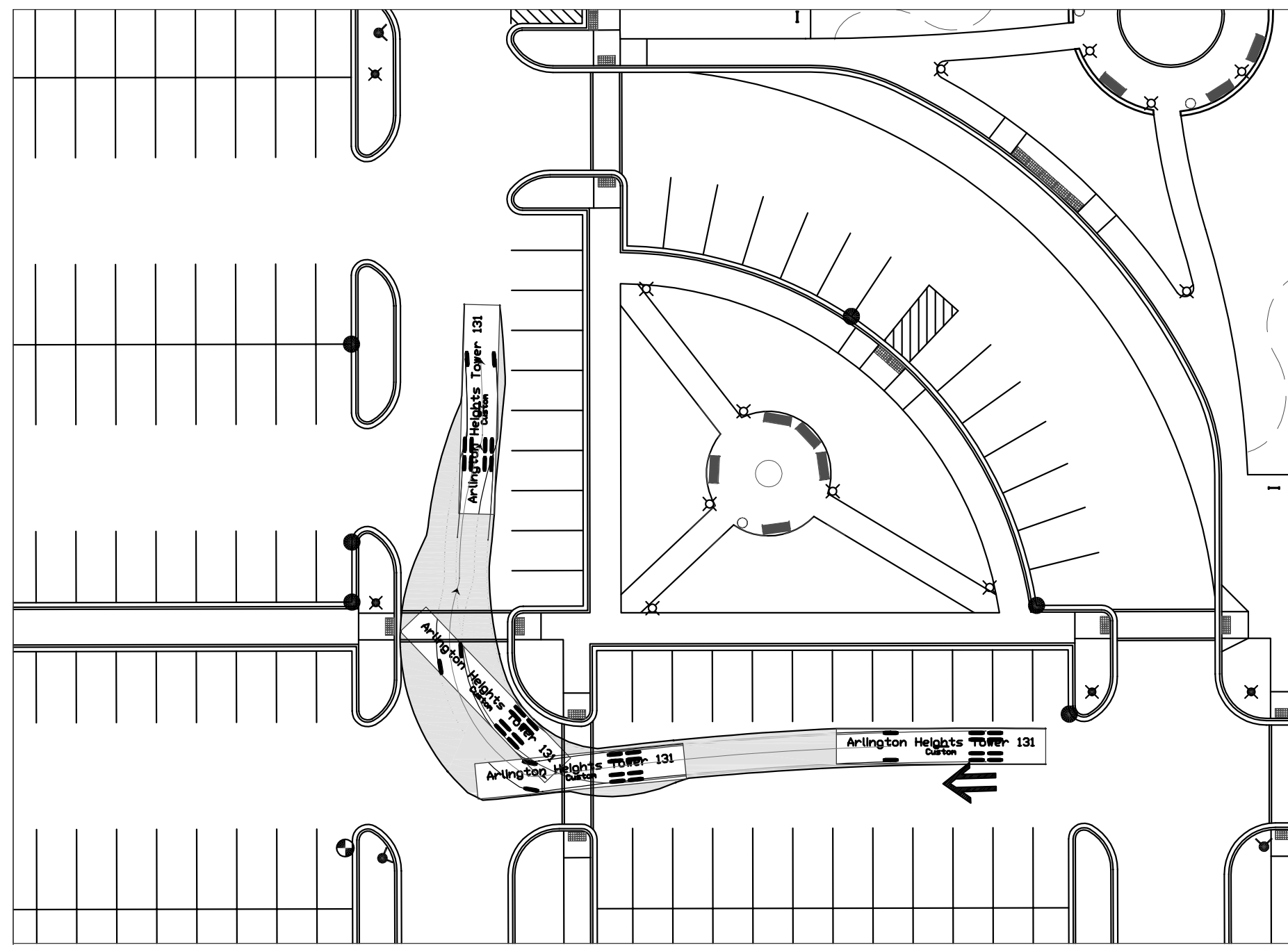
Design By:	PD	Date:	04/04/18
Approved By:		Project No.:	

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FIRE TRUCK**

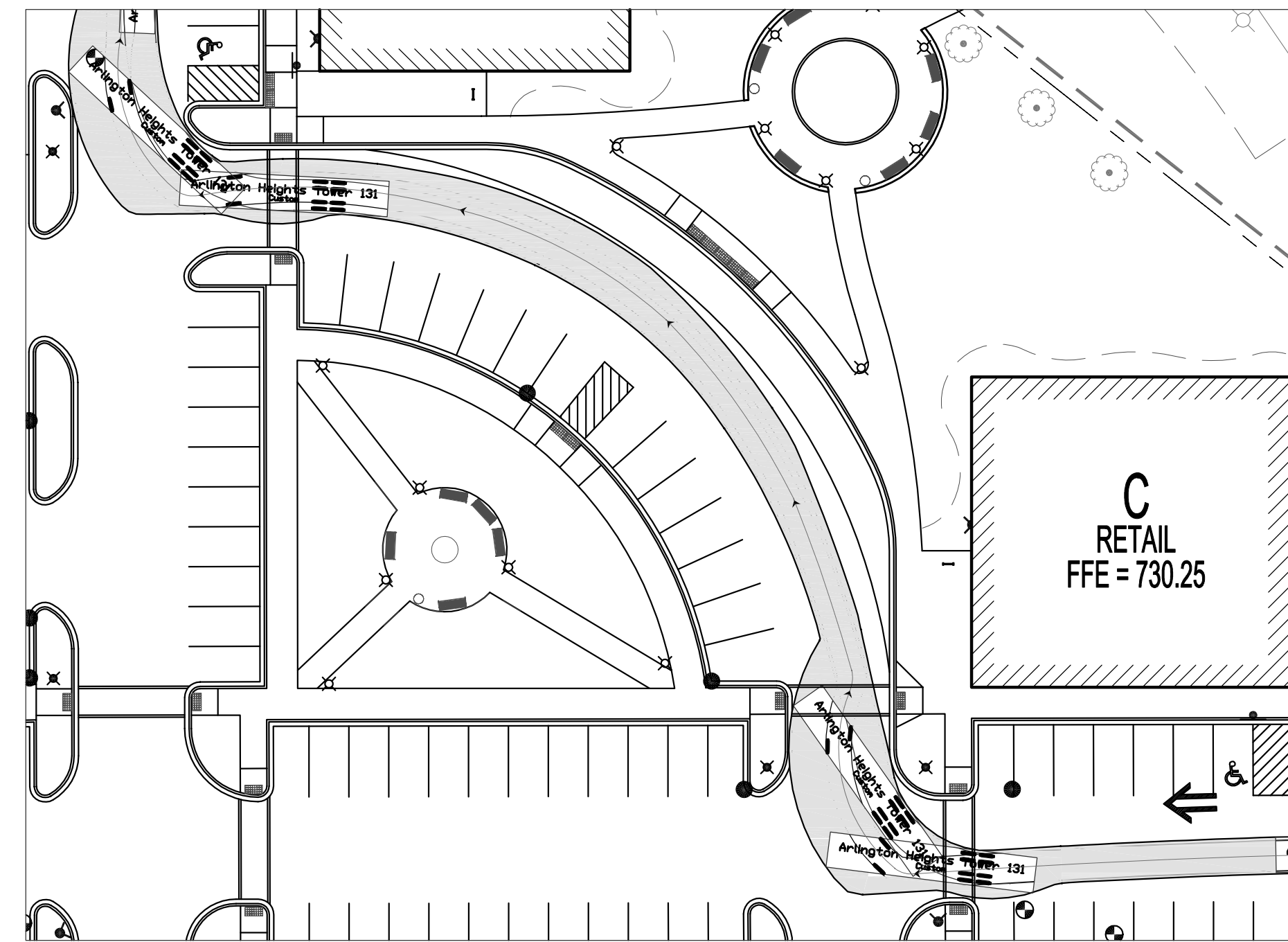
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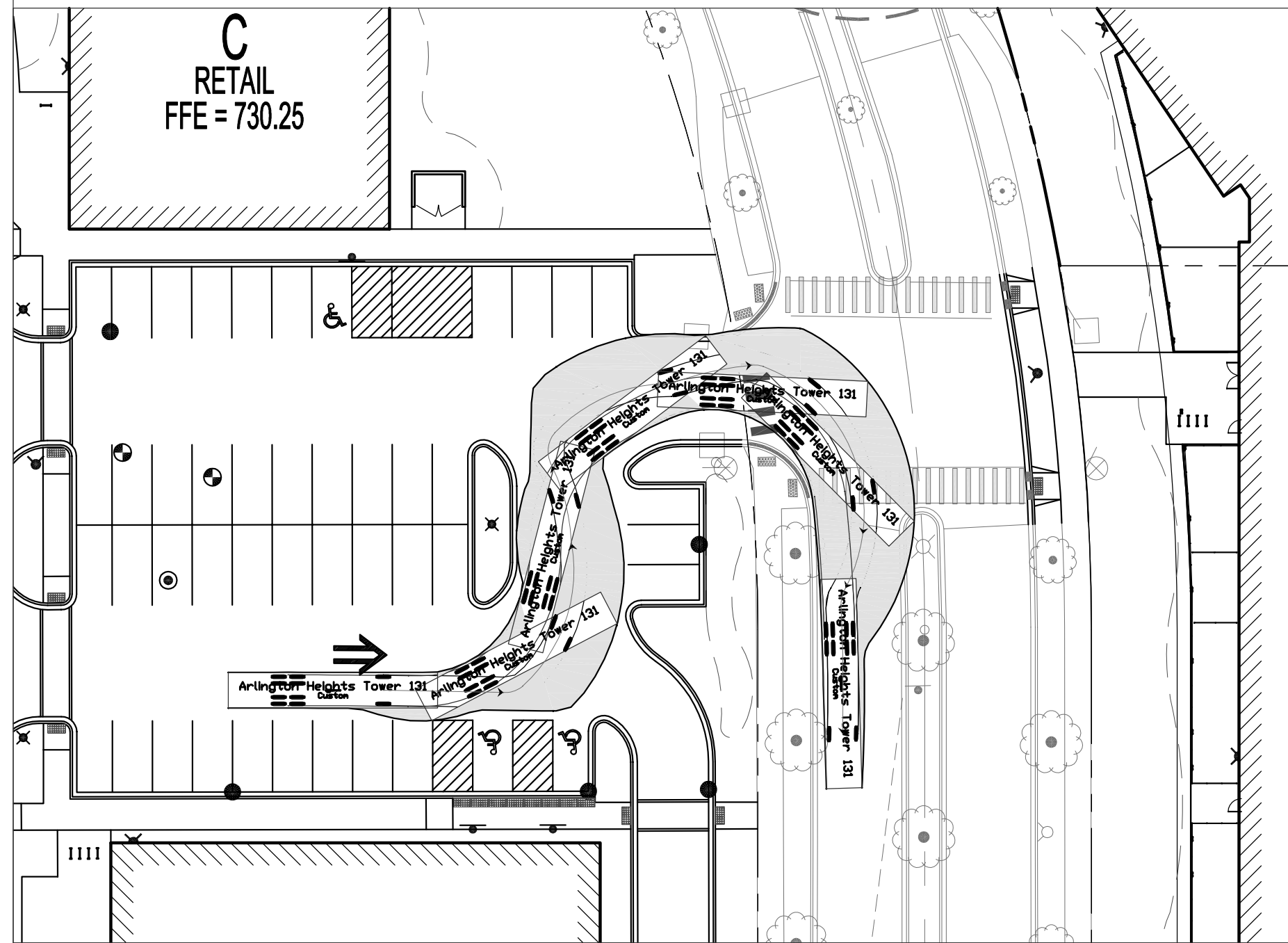
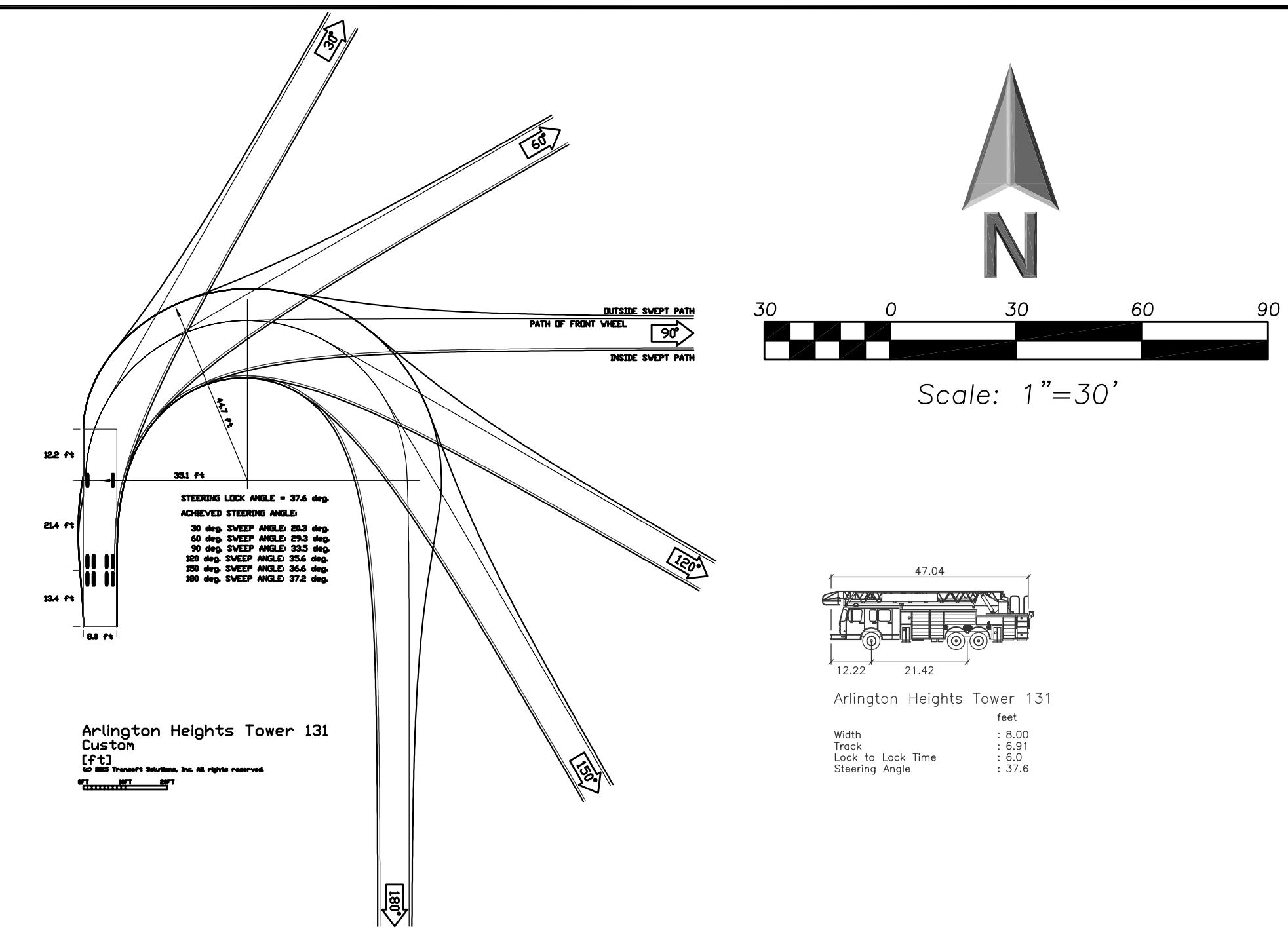




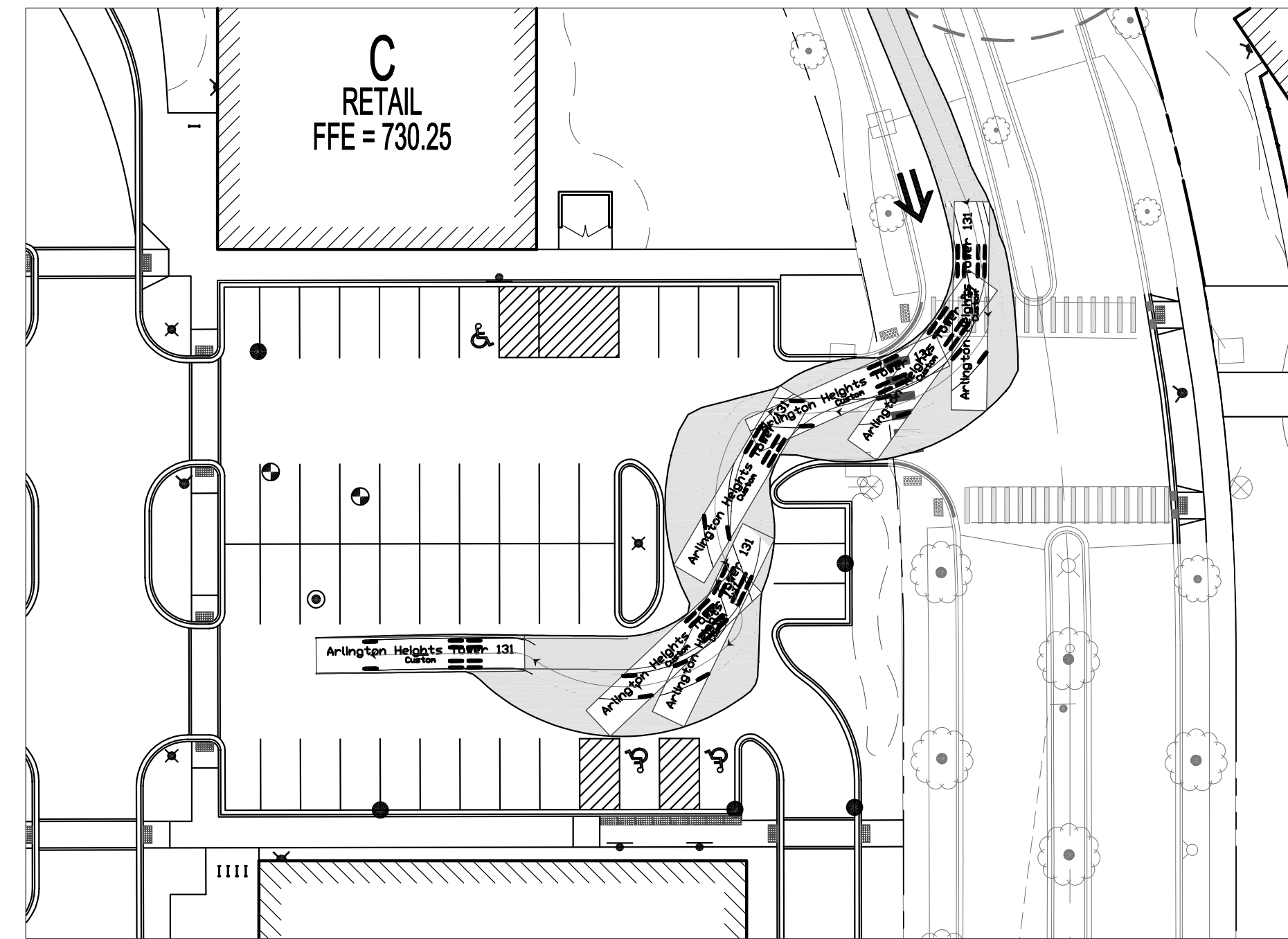
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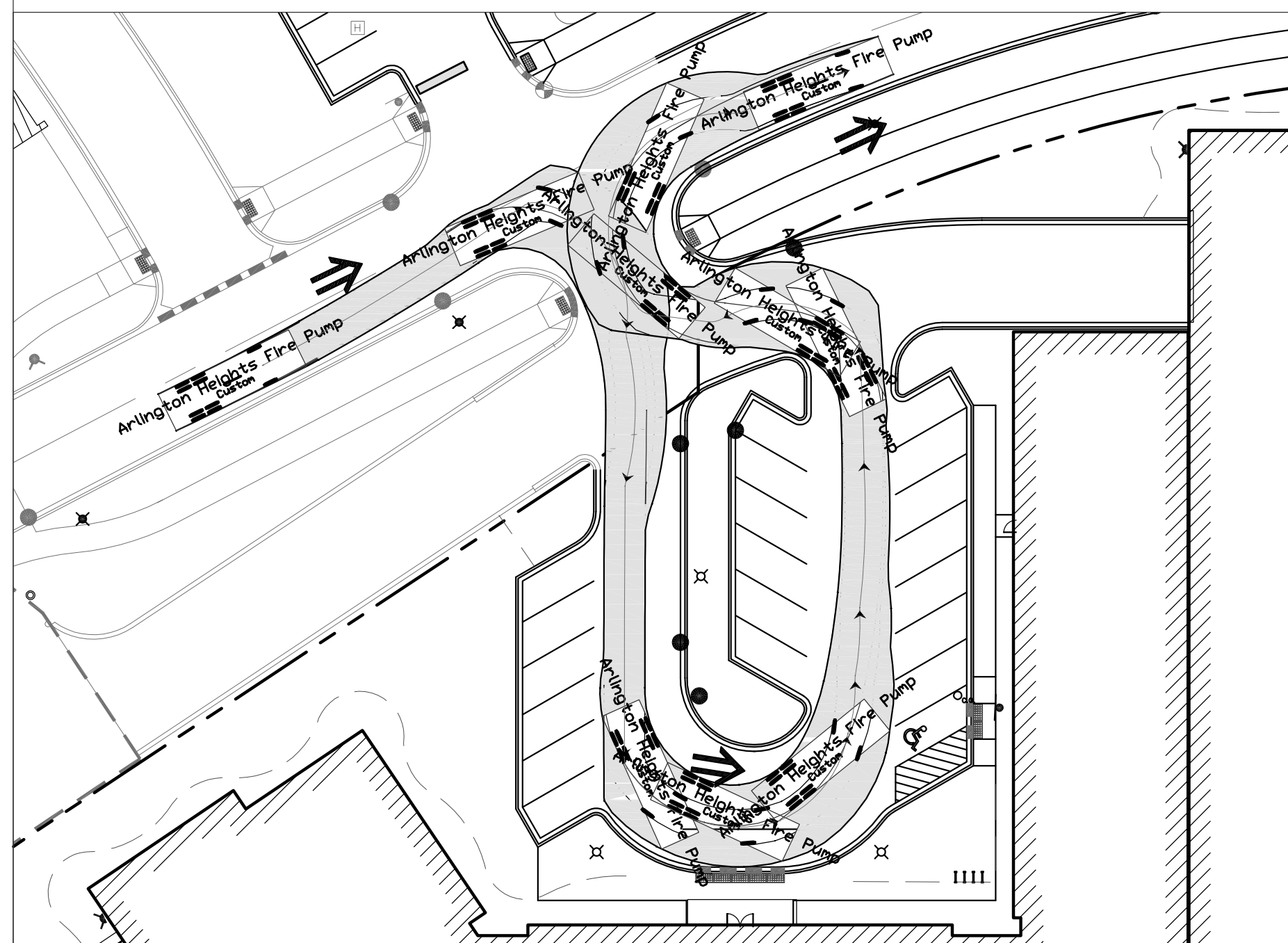
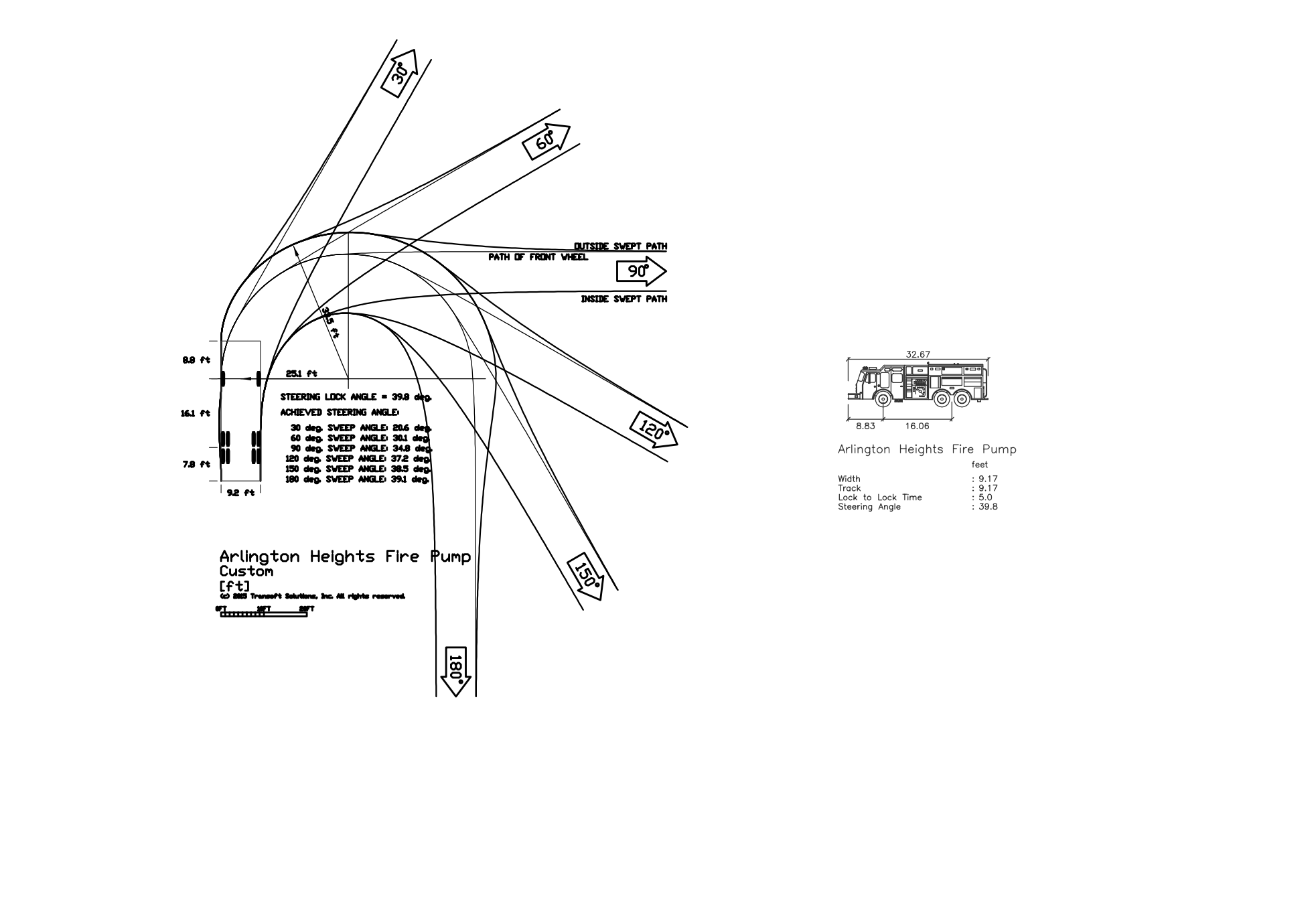
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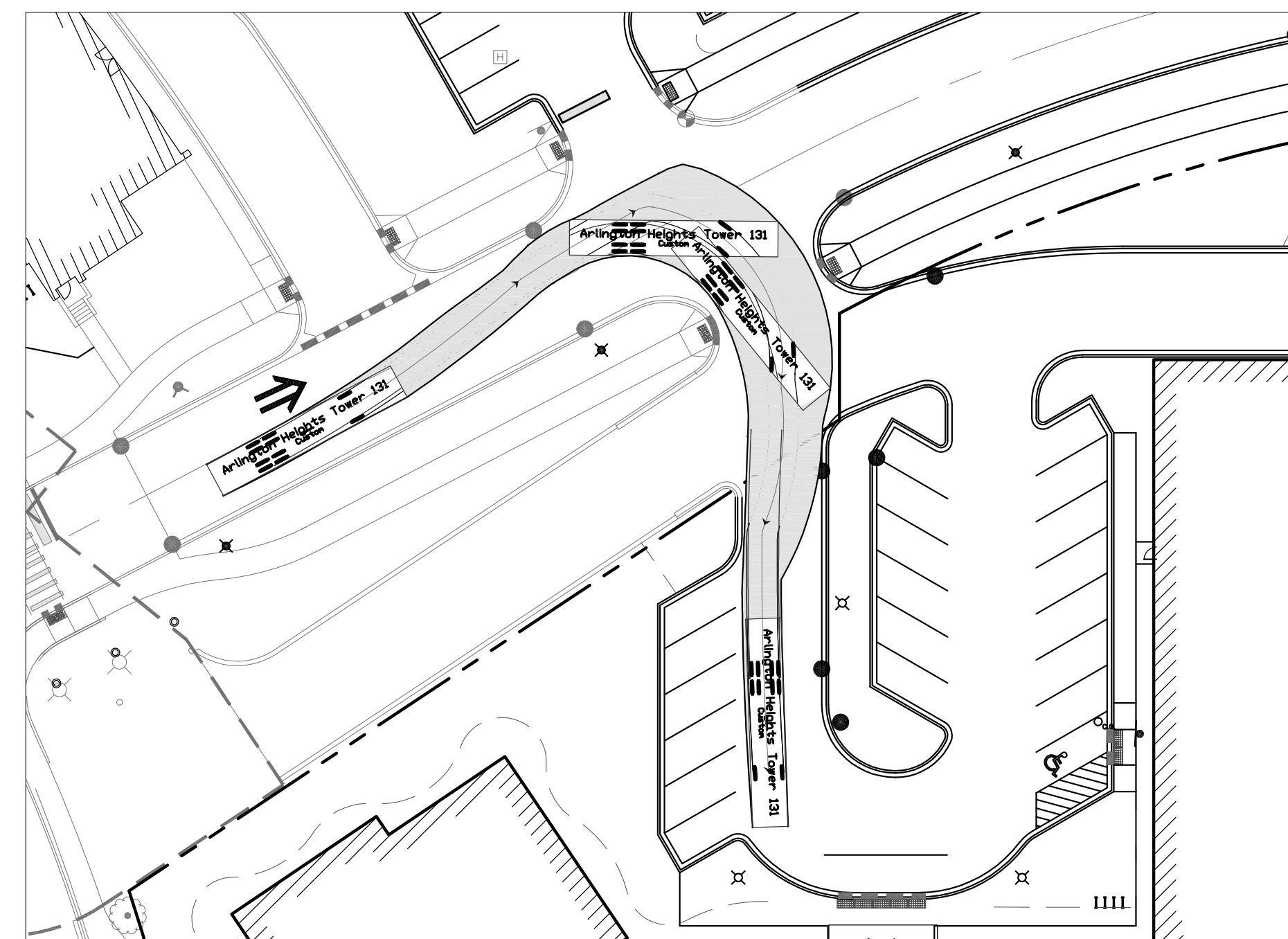
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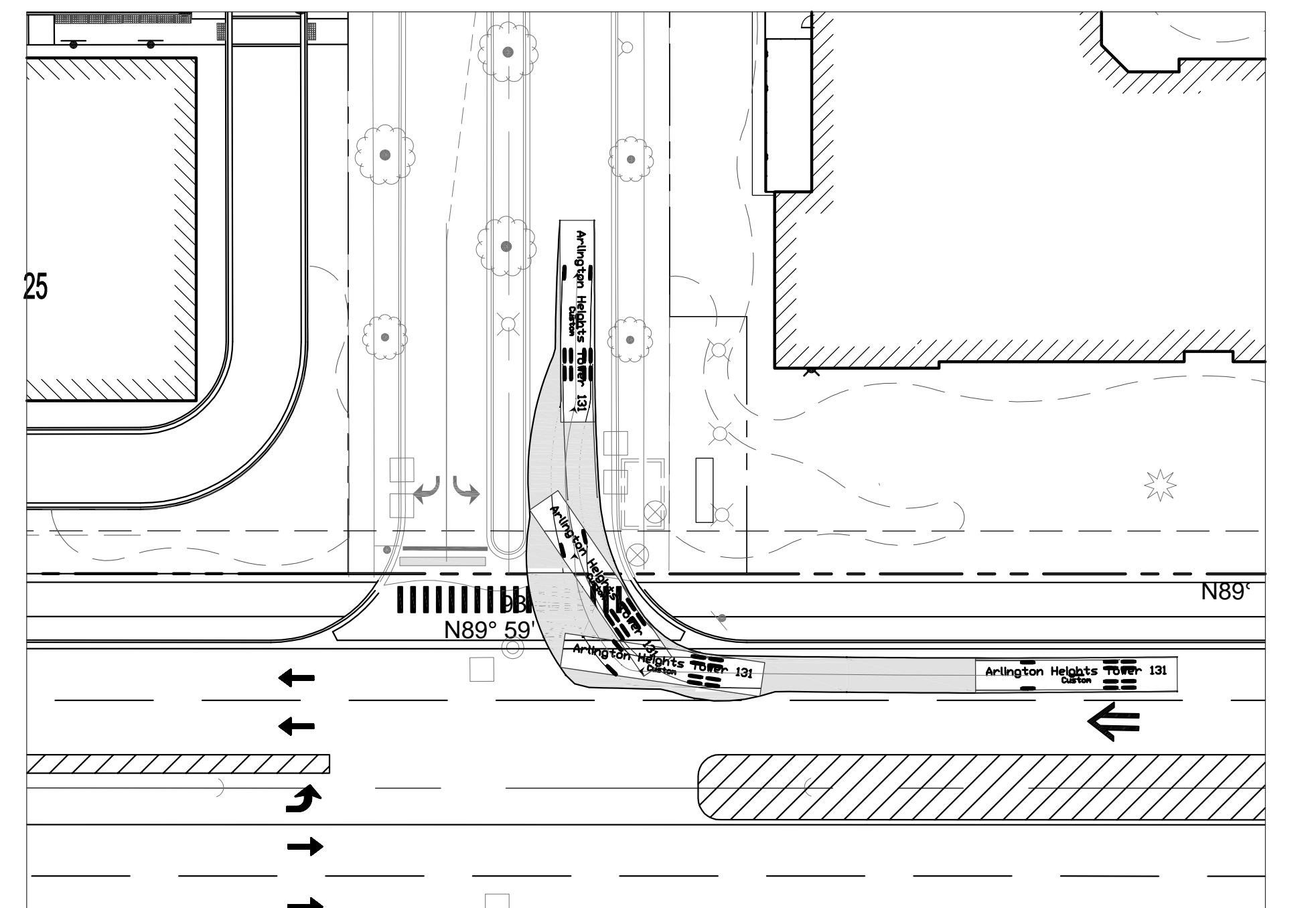
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ARLINGTON HEIGHTS FIRE ENGINE - ADR II - ENTRY



ARLINGTON HEIGHTS TOWER 131 - ADR II - ENTRY



ARLINGTON HEIGHTS TOWER 131 - SOUTH EUCLID ACCESS

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EXPIRES: 04/30/2019

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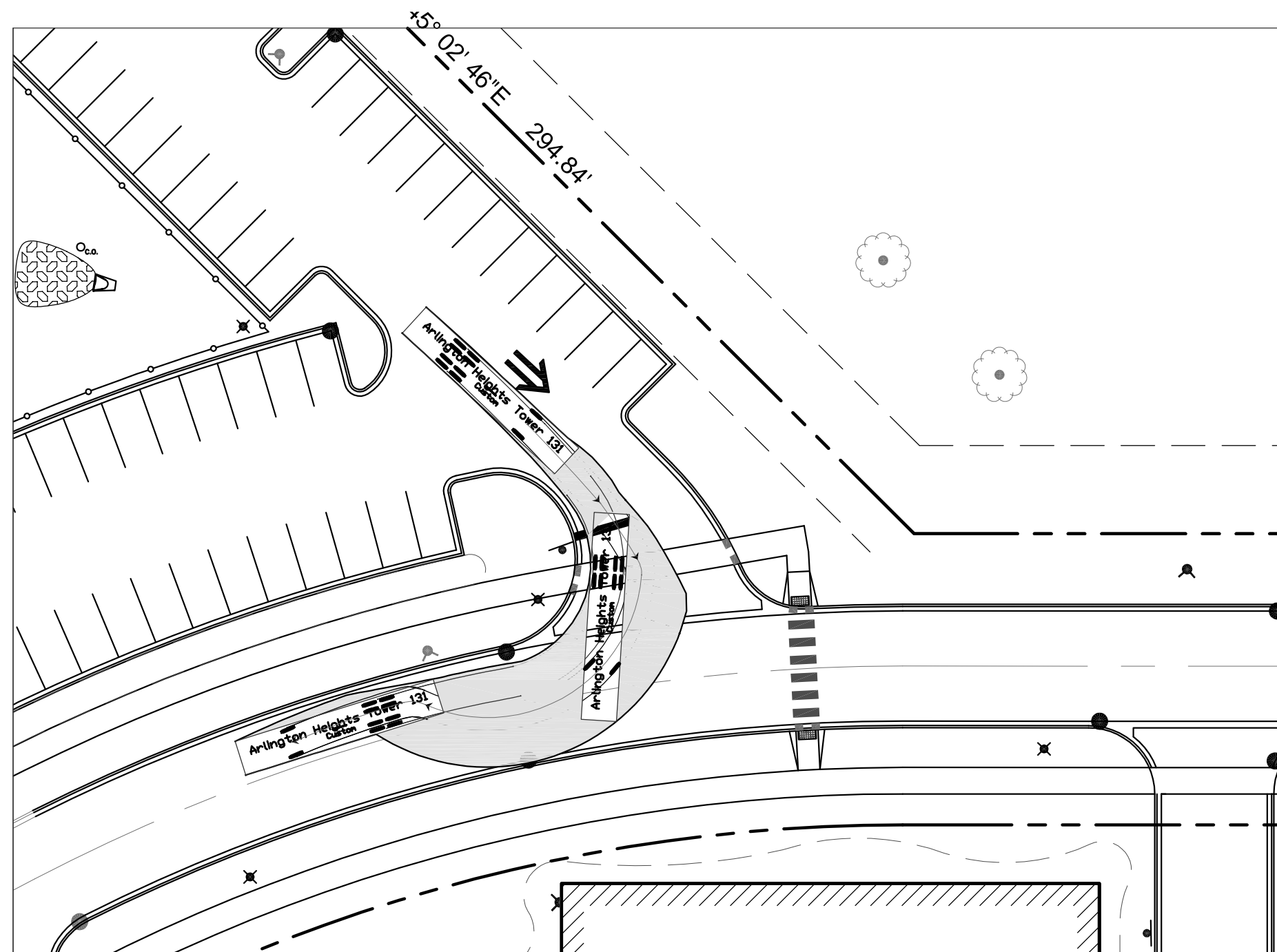
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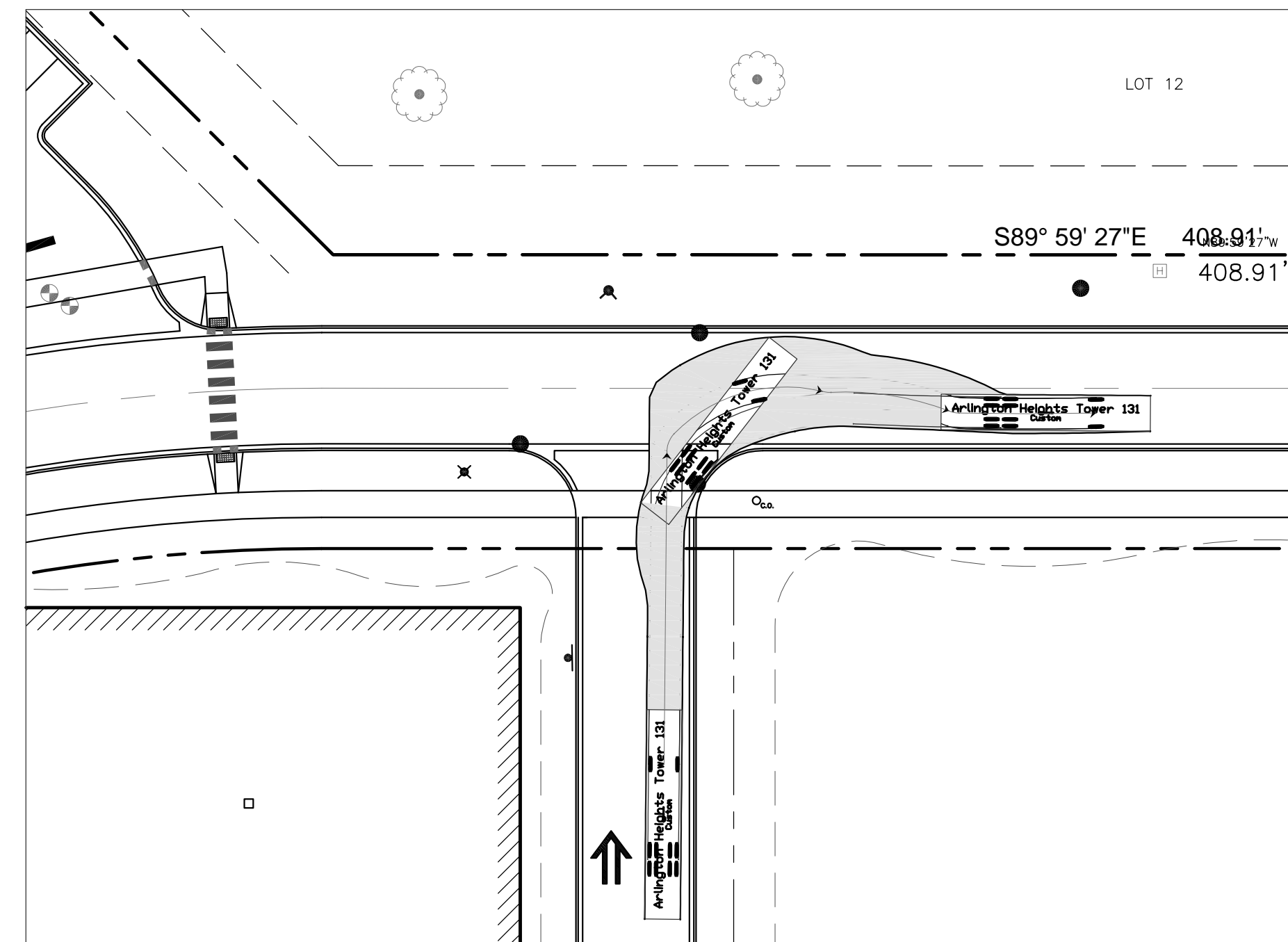
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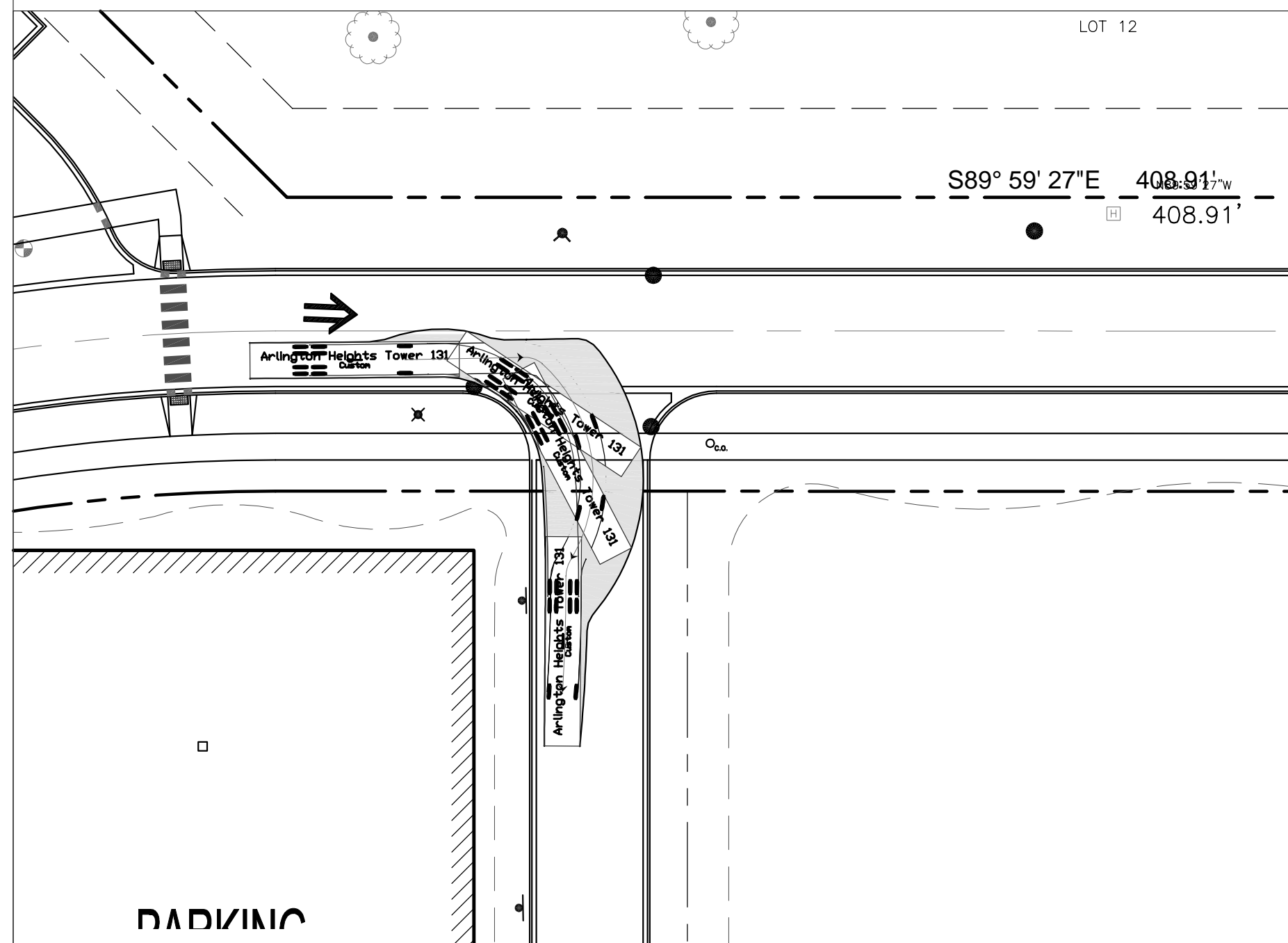
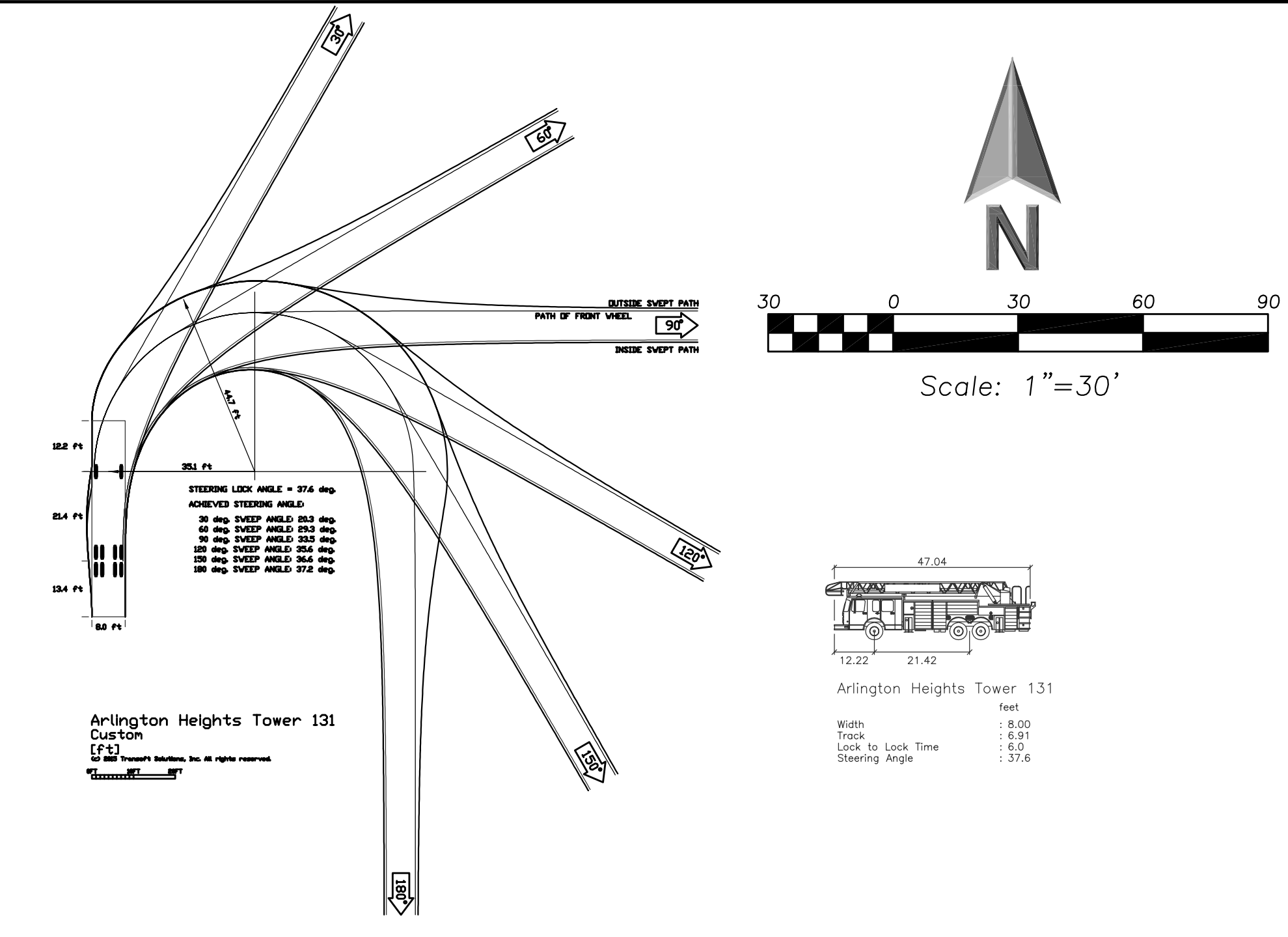
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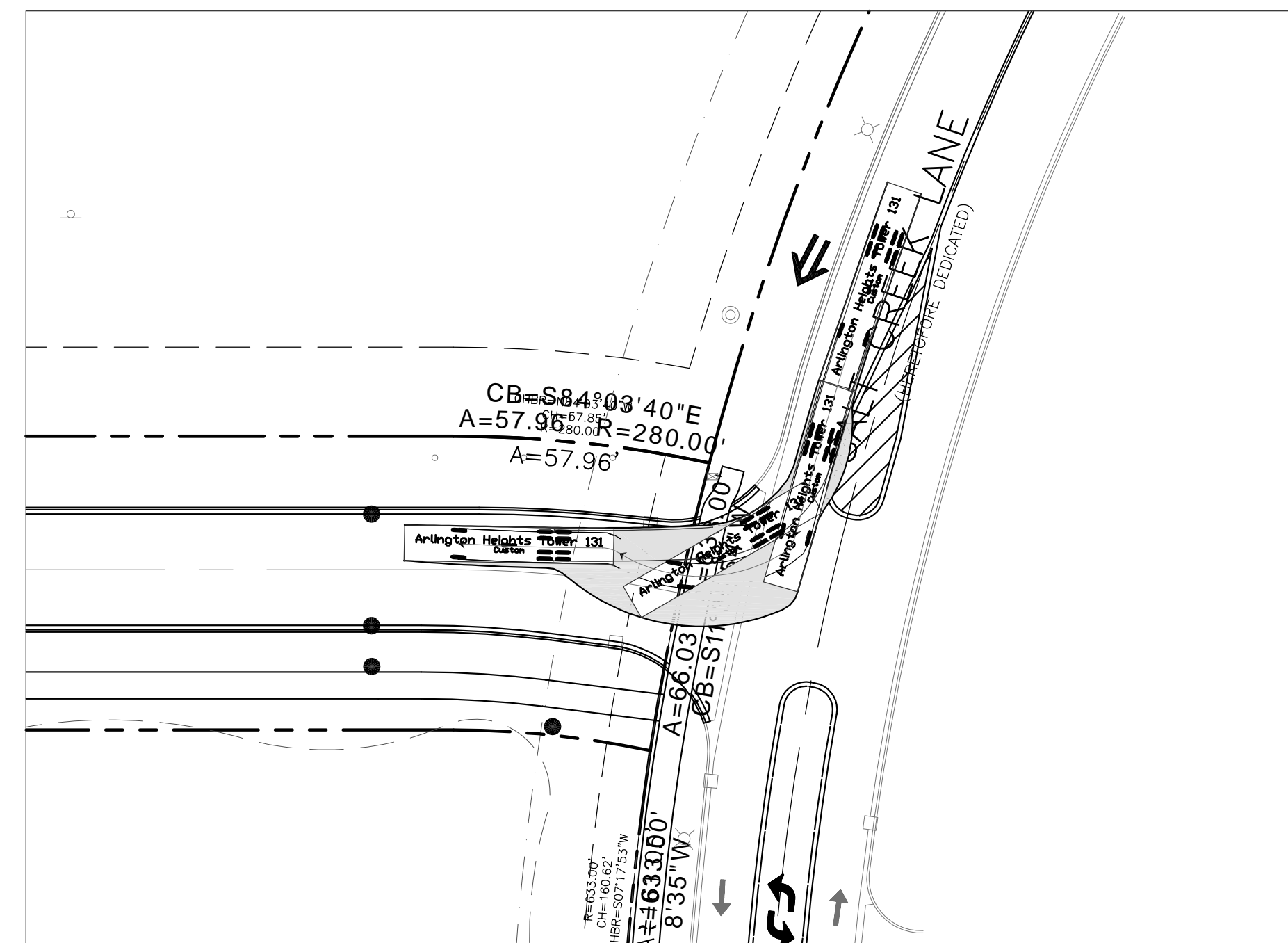
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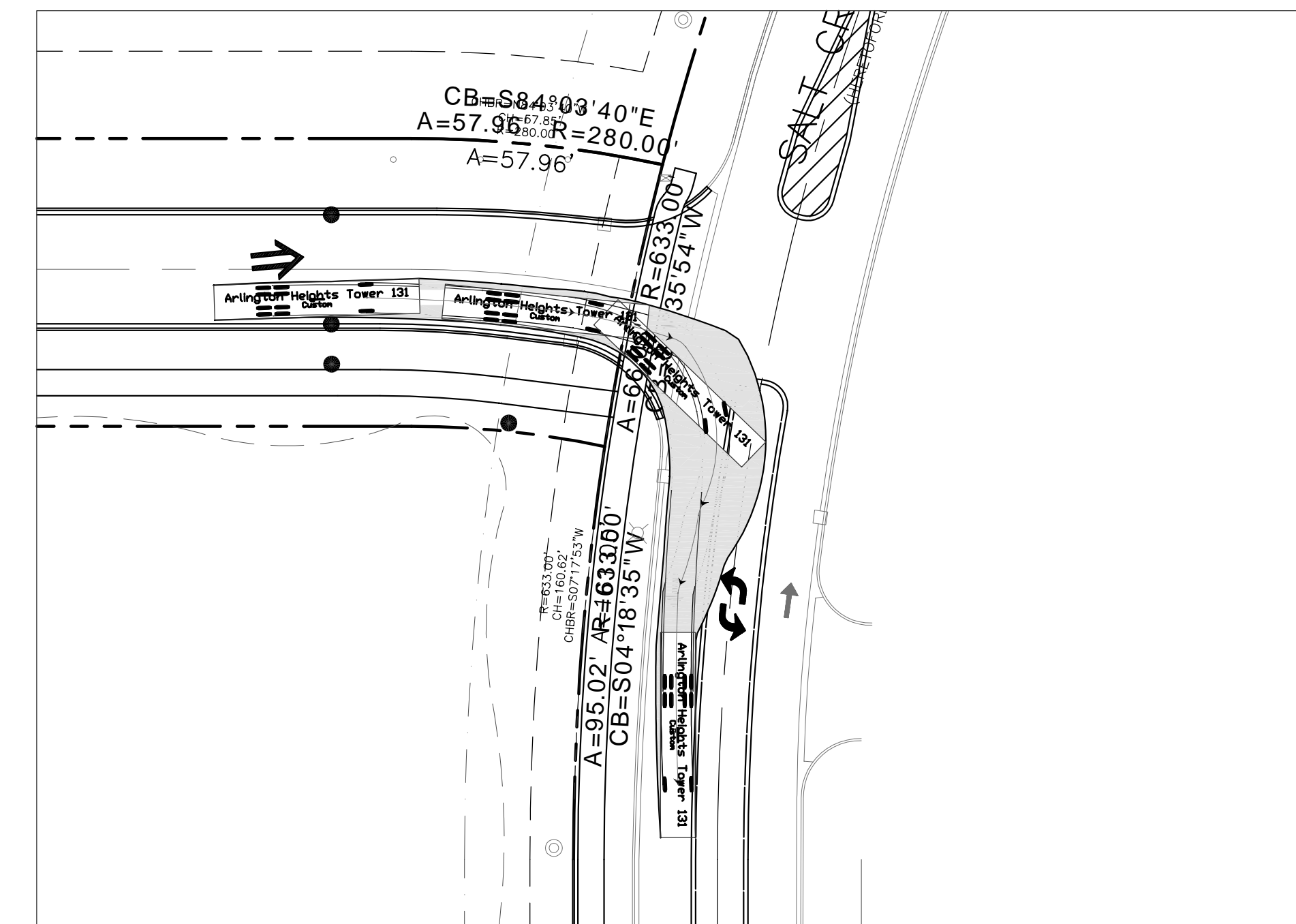
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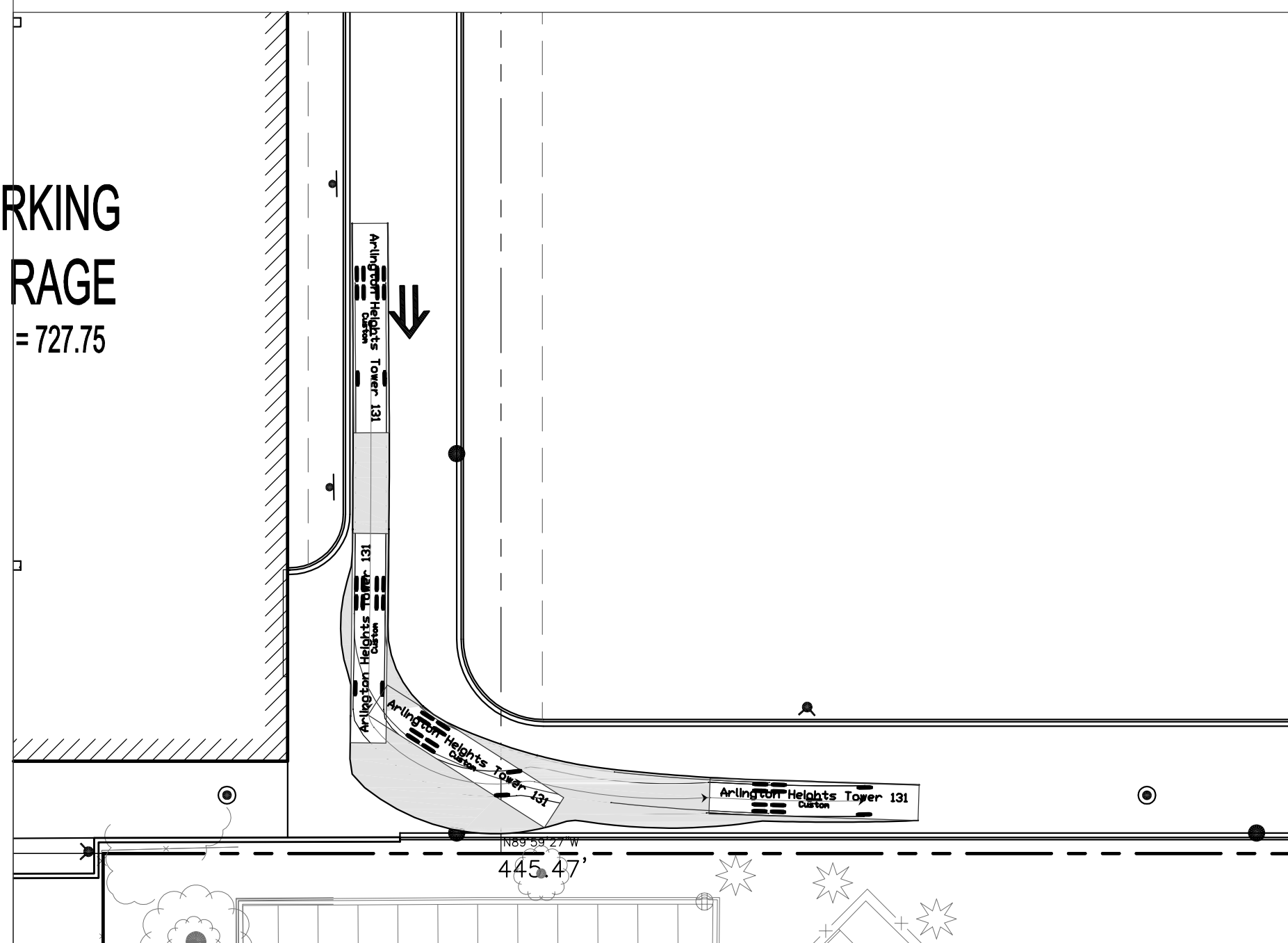
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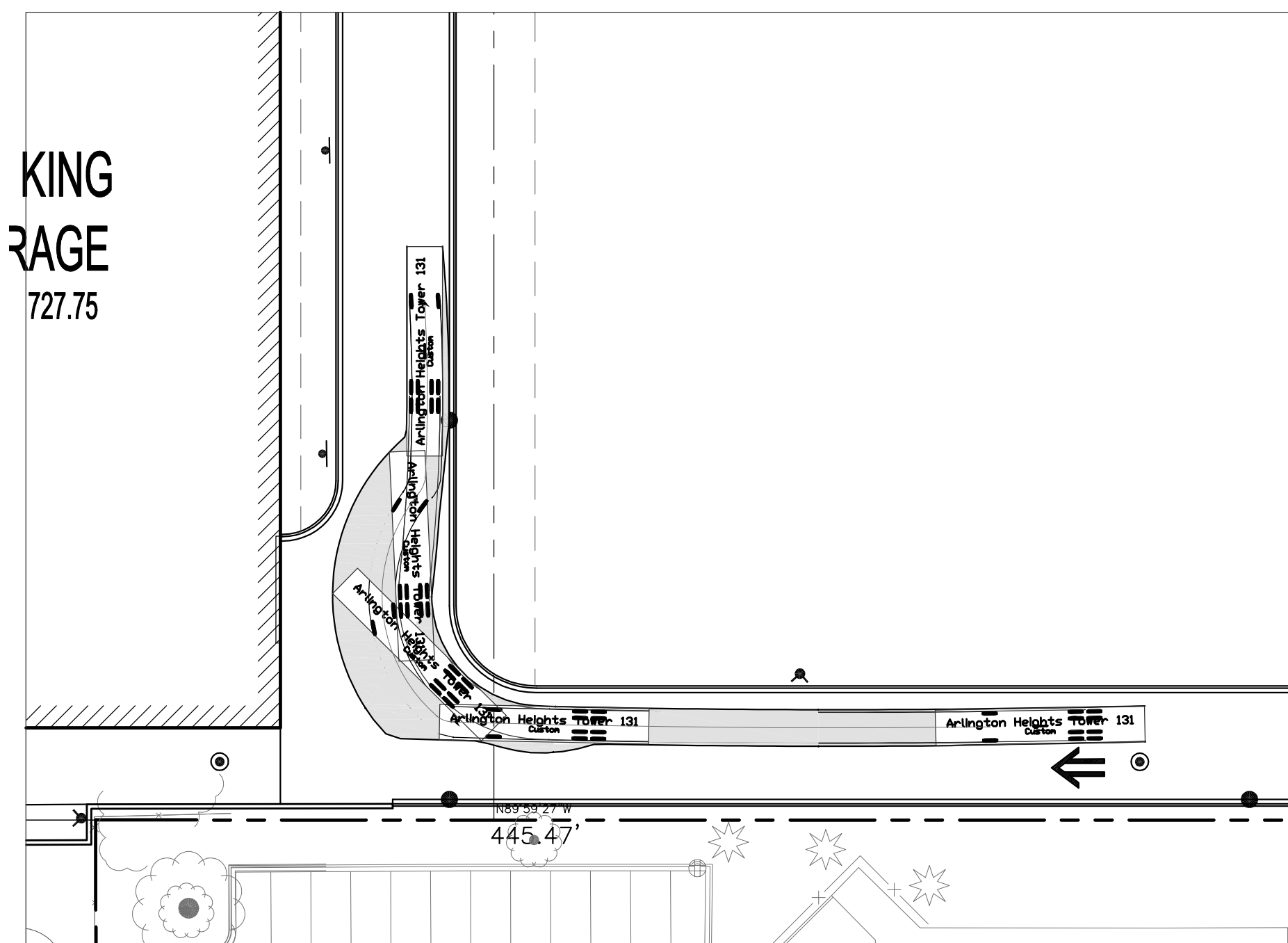
ARLINGTON HEIGHTS TOWER 131 - EAST SALT CREEK LANE ACCESS



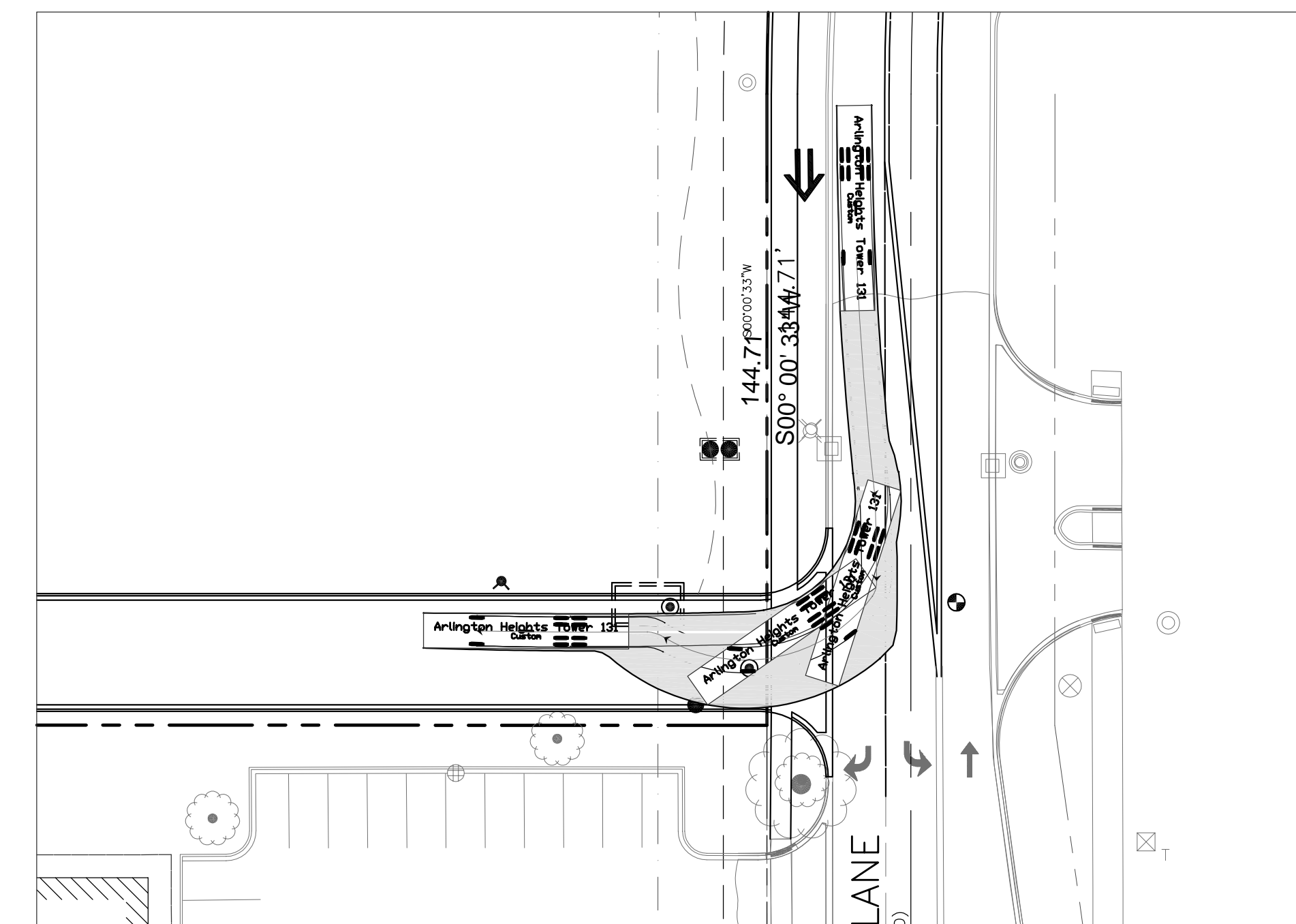
ARLINGTON HEIGHTS TOWER 131 - EAST SALT CREEK LANE ACCESS



ARLINGTON HEIGHTS TOWER 131 - ZONE C FIRE LANE



ARLINGTON HEIGHTS TOWER 131 - ZONE C FIRE LANE



ARLINGTON HEIGHTS TOWER 131 - ZONE C FIRE LANE



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Sheet Title:  
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 FIRE TRUCK**

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**C6.04**