

# CITY OF SPRINGDALE

## HAMILTON COUNTY, OHIO

# LANDAN LANE RECONSTRUCTION

180737  
JANUARY 2020

**CITY OF SPRINGDALE OFFICIALS**

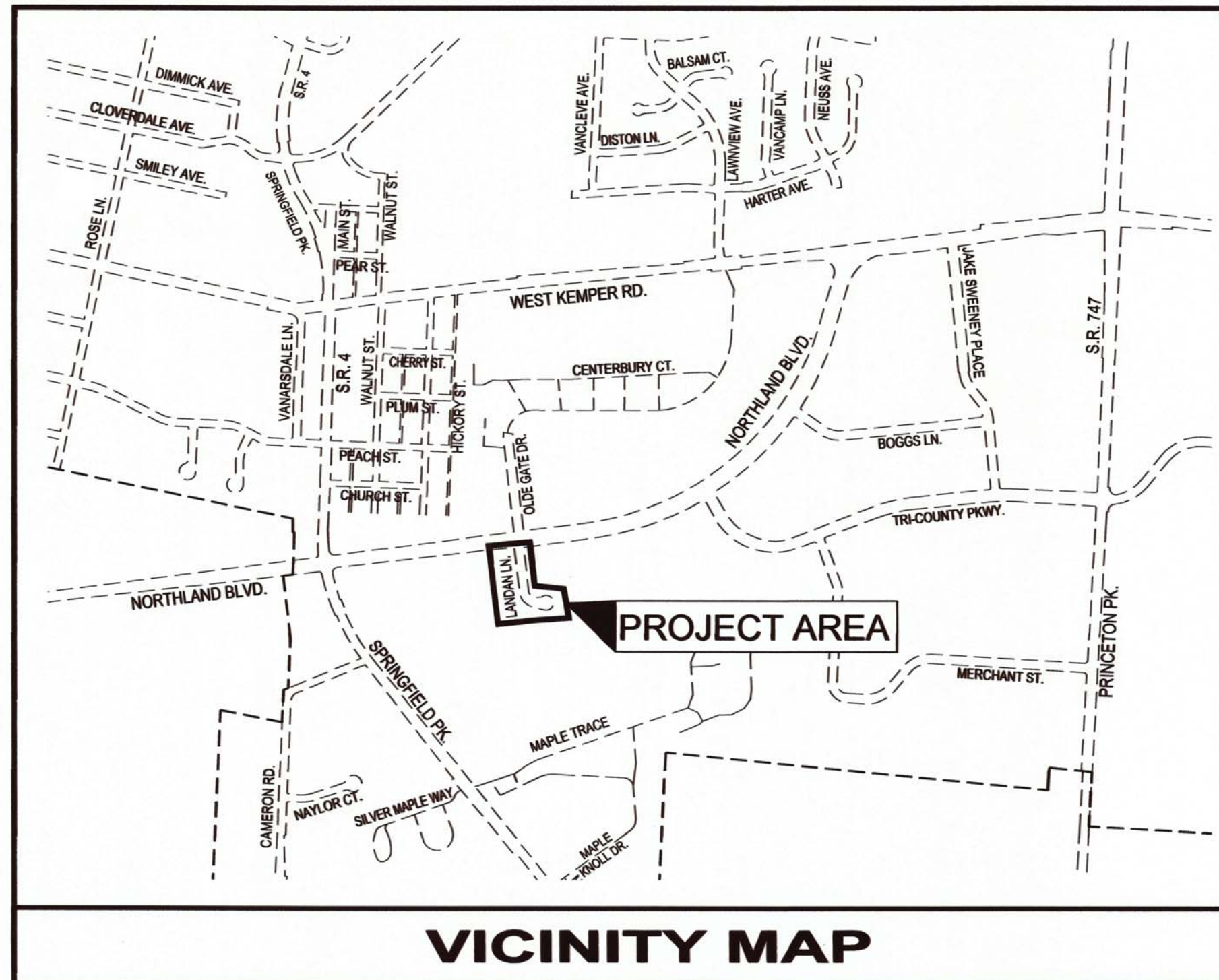
**MAYOR**  
DOYLE H. WEBSTER

**CLERK OF COUNCIL/FINANCE DIRECTOR**  
KATHY McNEAR

**CITY ADMINISTRATOR**  
JOHN J. JONES

**ASSISTANT CITY ADMINISTRATOR**  
AMANDA ZIMMERLIN

**CITY COUNCIL**  
JEFFREY ANDERSON  
CAROLYN GHANTOUS  
LAWRENCE HAWKINS III  
HOLY McQUILLAN-EMERSON  
JOE RAMIREZ  
MEGHAN SULLIVAN-WISECUP  
TOM VANOVER



**VICINITY MAP**

**INDEX OF SHEETS**

TITLE SHEET .....	1
TYPICAL SECTION .....	2
GENERAL NOTES .....	3
MAINTENANCE OF TRAFFIC .....	4
DETAILS .....	5
PLAN AND PROFILE .....	6
INTERSECTION DETAILS .....	7
DRIVEWAY PROFILES .....	8-9

**ODOT STANDARD DRAWINGS**

THE CURRENT EDITION OF THE ODOT STANDARD DRAWINGS ARE HEREBY MADE PART OF THESE PLANS.

**PROJECT SPECIFICATIONS**

IN GENERAL, THE PROJECT SPECIFICATIONS CONFORM TO THE JANUARY 1, 2016 STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO. THE PROJECT SPECIFICATIONS, UNDER SEPERATE COVER, PREPARED BY CT CONSULTANTS SHALL GOVERN ALL WORK AND MATERIALS FOR THIS PROJECT.

**UNDERGROUND UTILITIES**

2 WORKING DAYS  
**BEFORE YOU DIG**  
CALL 1-800-362-2764 (TOLL FREE)  
NON-MEMBERS MUST BE CALLED DIRECTLY

APPROVED FOR CONSTRUCTION BY:

*John J. Jones*  
JOHN J. JONES, CITY ADMINISTRATOR

*JAN. 9<sup>th</sup> 2020*  
DATE



*Mark A. Kluesener*  
MARK KLUESENER, P.E. #48151



*Dec 20, 2019*  
DATE

NO	DATE	REVISION

SCALE: AS SHOWN  
DATE: 11/16/2018  
DESIGNED BY: EHM  
DRAWN BY: EHM  
CHECKED BY: PMAD

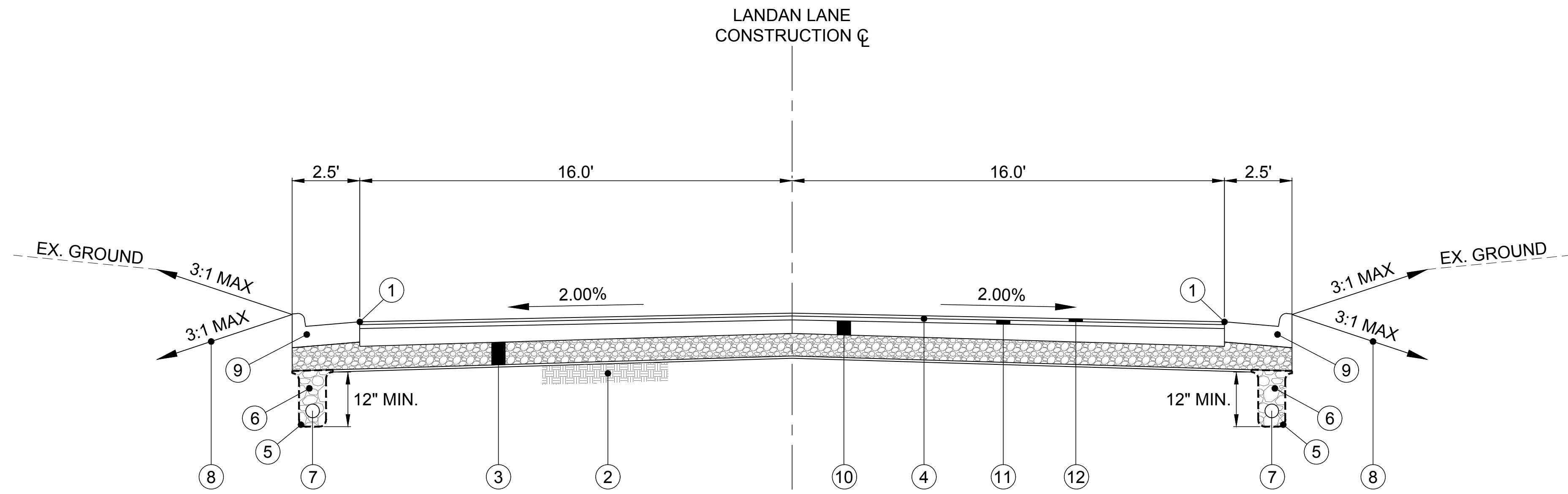
LANDAN LANE  
CITY OF SPRINGDALE  
HAMILTON COUNTY, OHIO

TITLE SHEET

PROJECT NO: <b>180737</b>	
DRAWING NAME <b>TITLE</b>	
SHEET <b>1</b>	OF <b>9</b>



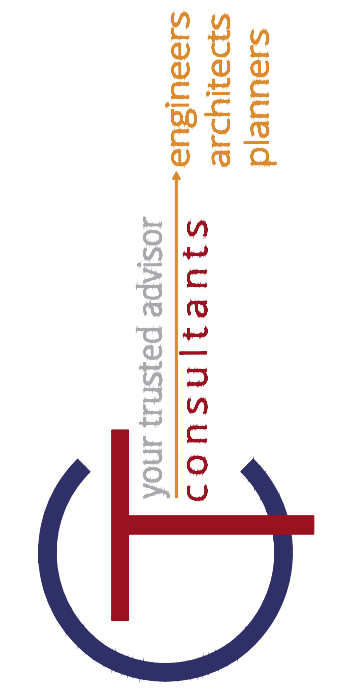
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**TYPICAL SECTION LANDAN LANE**  
 BEGIN WORK TO STA 12+30

**LEGEND**

- ① 3" WIDE SEAL OF AC-20 ASPHALT FOLLOWING PLACEMENT OF 448 SURFACE COURSE (INCIDENTAL TO ITEM 448)
- ② ITEM 204 - SUBGRADE COMPACTION
- ③ ITEM 304 - 10" AGGREGATE BASE, CRUSHED CARBONATE STONE (CCS), AS PER PLAN
- ④ ITEM 407 - TACK COAT, TRACKLESS TACK
- ⑤ ITEM SPL - FILTER FABRIC, TYPE A (712.09) (INCIDENTAL TO ITEM 605)
- ⑥ ITEM 605.02 - GRANULAR MATERIAL BACKFILL (INCIDENTAL TO ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS)
- ⑦ ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS (707.41)
- ⑧ ITEM 653 - TOPSOIL FURNISHED AND PLACED (3" MINIMUM), AND ITEM 659 - SEEDING AND MULCHING CLASS 1 (BOTH INCIDENTAL TO ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2)
- ⑨ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- ⑩ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
- ⑪ ITEM 441 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ⑫ ITEM 448 - 1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) PG 64-22



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**LANDAN LANE**  
**CITY OF SPRINGDALE**  
**HAMILTON COUNTY, OHIO**

**TYPICAL SECTION**

PROJECT NO:	
<b>180737</b>	
DRAWING NAME	
<b>TYP</b>	
SHEET	OF
<b>2</b>	<b>9</b>



# MAINTENANCE OF TRAFFIC NOTES

## ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF SPEC. 614.

THE TOTAL PAVEMENT REMOVAL SHALL BE HALF WIDTH, REMOVED AND REPLACED IN ORDER TO MAINTAIN ACCESS TO THE BUSINESS ON LANDAN LANE. THE CONTRACTOR MAY ONLY REMOVE AS MUCH PAVEMENT AS CAN BE REPLACED WITH AGGREGATE BASE IN A GIVEN DAY. ACCESS TO EACH SITE WILL NEED TO BE MAINTAINED DURING CONSTRUCTION. THE FOLLOWING CONTINGENCY ESTIMATED QUANTITY IS PROVIDED FOR DRIVEWAY MAINTENANCE:

ITEM 410E12000, TRAFFIC COMPACTED SURFACE, TYPE A OR B 50 CU YARDS

ACCESS TO EACH BUSINESS MUST BE MAINTAINED DURING THE HOURS OF 6:00 AM TO 6:00 PM, (WEEKDAYS) AND THEREFOR ANY WORK IMPACTING ACCESS TO THE SITE MUST BE COORDINATED AND ACCEPTED BY THE OWNER PRIOR TO PAVEMENT REMOVAL, OR DRIVEWAY RECONSTRUCTION.

MAINTENANCE OF TRAFFIC SHALL BE ONGOING THROUGHOUT THE DURATION OF THE PROJECT, INCLUDING ALL PERIODS OF INACTIVITY BY THE CONTRACTOR, UNTIL FINAL ACCEPTANCE OF THE PROJECT. PAYMENT FOR ABOVE-NOTED WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC, WHICH SHALL INCLUDE ANY LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

SPECIFIC ATTENTION WILL BE DIRECTED TOWARD THE PROPER USE OF FLAGGERS, LIGHTS, DRUMS, AND TEMPORARY PAVEMENT MARKINGS. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY SIGNS, AND PROVIDE TEMPORARY STRIPING. THE CONTRACTOR SHALL ALSO PROVIDE ALL PLATING. TEMPORARY PAVEMENT AND TRAFFIC CONTROL MEASURES NECESSARY. THE COST OF ALL TEMPORARY TRAFFIC CONTROL ITEMS NECESSARY TO SAFELY MAINTAIN TRAFFIC SHALL BE INCLUDED WITH PAYMENT FOR ITEM 614 MAINTAINING TRAFFIC.

THE FOLLOWING NOTES APPLY TO ANY MAINTENANCE OF TRAFFIC PHASING UNLESS OTHERWISE NOTED:

A. BEFORE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE CITY AND ALL INTERESTED POLICE AGENCIES. THESE PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES TO MAINTAIN THE TRAVELED PAVEMENT SAFELY.

- 304 AGGREGATE MATERIAL AND / OR PLATES SHALL BE UTILIZED TO MAINTAIN ACCESS TO DRIVES.
- PRIOR TO REMOVAL OF PAVEMENT, CONTRACTOR SHALL HAVE MATERIAL AND PERSONNEL ON HAND TO PROVIDE A TEMPORARY ACCESS TO ANY EMERGENCY VEHICLES THAT MAY NEED TO TRAVERSE THE SECTION OF ROADWAY BEING WORKED ON.

B. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO BUSINESSES 2 WORKING DAYS PRIOR TO COMMENCING WORK WHICH WILL TEMPORARILY RESTRICT ACCESS.

- THE CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE ACCESS TO VEHICLES FOR EMERGENCY ACCESS.

C. THE COST FOR ALL MATERIAL AND LABOR TO PLACE, MAINTAIN, AND REMOVE ALL ITEMS NECESSARY FOR MAINTAINING TRAFFIC (INCLUDING FOR EMERGENCY PURPOSES) SHALL BE INCLUDED IN ITEM 614 MAINTAINING TRAFFIC.

D. PLACEMENT OF 448 ASPHALT SURFACE COURSE & INTERMEDIATE COURSE SHALL TAKE PLACE FOR THE ENTIRE LENGTH OF THE ROADWAY.

- INGRESS-EGRESS SHALL BE PROVIDED AT ALL TIMES DURING THIS WORK, EXCEPT THAT TEMPORARY BLOCKING OF TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF THE COMPLETED ASPHALT WORK.
- THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE BUSINESS, 2 WORKING DAYS PRIOR TO COMMENCING THIS WORK.

E. RECESSING OF ROADWAY PLATES (FROM DECEMBER TO APRIL)

- OPENINGS IN THE ROADWAY SURFACE DUE TO UTILITY RELOCATIONS, CONDUIT PLACEMENT, ETC. SHALL BE PLATED WHEN OPENED TO TRAFFIC. THE PLATES SHALL BE RECESSED TO FIT NEATLY IN THE ROADWAY WITH THE SURFACE OF THE PLATES FLUSH WITH THE SURROUNDING PAVEMENT. THE PLATES SHALL EXTEND A MINIMUM OF TWELVE (12) INCHES ON EITHER SIDE OF THE TRENCH / OPENING.

H. OPEN TRENCHES

- ALL OPEN TRENCHES FOR STORM SEWERS, WATERMANS, ETC., SHALL BE PROPERLY DELINEATED FROM THE TRAVELED ROADWAY BY REFLECTIVE DRUMS. TRENCHES SHALL EITHER BE BACKFILLED OR COVERED FOR ANY EXTENDED PERIODS OF NO CONSTRUCTION (EITHER 4 HOURS OR OVERNIGHT).

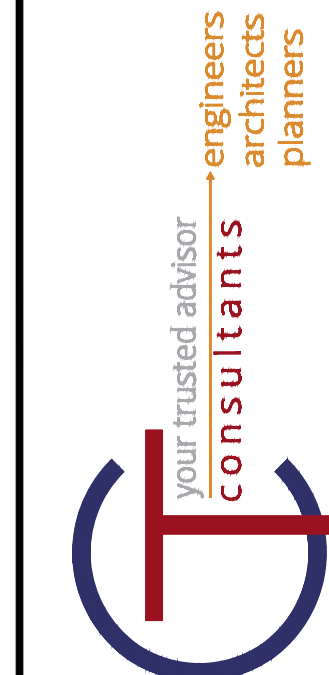
I. **LANDAN LANE** - HALF WIDTH CONSTRUCTION SHALL BE UTILIZED TO CONSTRUCT THIS PROJECT, WHILE MAINTAINING ACCESS TO THE AFFECTED BUSINESSES.

1. PHASE 1 CONSTRUCTION (INCLUDING THE CURB-GUTTER AND 10" AGGREGATE BASE) SHALL TAKE PLACE ON THE WEST SIDE (RIGHT) OF THE ROADWAY.
  - A MINIMUM WIDTH OF 14' OF THE EXISTING PAVEMENT SHALL BE MAINTAINED FOR TRAFFIC.
  - A TURN OUT AREA (MADE OF 10" OF ITEM 304) SHALL BE PROVIDED MID-LENGTH ON THE PROJECT OR AT LOCATIONS WHERE GRANULAR MATERIAL IS BEING UTILIZED TO MAINTAIN ACCESS TO DRIVEWAYS. THE MINIMUM DIMENSION SHALL BE 8' WIDE BY 20' LONG.
2. PHASE 2 CONSTRUCTION (INCLUDING THE CURB-GUTTER AND 10" AGGREGATE BASE) SHALL TAKE PLACE ON THE EAST SIDE (LEFT) OF THE ROADWAY.
  - THE CONSTRUCTED WIDTH FROM PHASE 1, WHICH WILL BE UTILIZED TO MAINTAIN TRAFFIC IN THIS PHASE, WILL BE 18'.
  - A TURN OUT AREA (MADE OF 10" OF ITEM 304) SHALL BE PROVIDED MID-LENGTH ON THE PROJECT OR AT LOCATIONS WHERE GRANULAR MATERIAL IS BEING UTILIZED TO MAINTAIN ACCESS TO DRIVEWAYS. THE MINIMUM DIMENSION SHALL BE 6' WIDE BY 20' LONG.
3. THE DURATION OF TIME PERMITTED TO COMPLETE PHASES 1 AND 2 (AND TO ALLOW THE FULL WIDTH TO BE OPENED TO TRAFFIC) SHALL BE NO LONGER THAN 4 WEEKS
4. FOR THE PLACEMAT OF THE 301 ASPHALT CONCRETE BASE, INTERMEDIATE ASPHALT COURSE AND SURFACE ASPHALT COURSE, WHICH TAKE WILL TAKE PLACE FOR THE ENTIRE WIDTH AND LENGTH, TEMPORARY RESTRICTION OF TRAFFIC CONSISTENT WITH THE PROTECTION OF THE ASPHALT, WILL BE PERMITTED.

J. **DRIVEWAYS**

1. PROPERTY AT 301 NORTHLAND / 11411 LANDAN (DRIVEWAYS AT 1+90 RIGHT AND 3+05 RIGHT)
  - THE CONTRACTOR WILL BE PERMITTED TO CLOSE ONLY THE NORTHERN DRIVEWAY FOR RECONSTRUCTION
  - THE SOUTHERN DRIVEWAY SHALL BE CONSTRUCTED HALF WIDTH SO THAT ACCESS IS MAINTAINED THROUGHOUT CONSTRUCTION.
2. PROPERTY AT 11407 LANDAN (DRIVEWAY 4+00 RIGHT)
  - ACCESS VIA THIS DRIVEWAY SHALL BE MAINTAINED BY HALF WIDTH CONSTRUCTION
  - A MINIMUM DRIVEWAY WIDTH OF 20' SHALL BE MAINTAINED AT ALL TIMES
3. PROPERTY AT 11383 LANDAN (DRIVEWAY 4+50 RIGHT AND 5+55)
  - THE CONTRACTOR WILL BE PERMITTED TO CLOSE ONE DRIVEWAY FOR CONSTRUCTION WHILE MAINTAINING THE SECOND DRIVEWAY
  - UPON COMPLETION OF THE ABOVE NOTED DRIVEWAY, THE RECONSTRUCTED DRIVEWAY SHALL BE OPENED AND THE OTHER DRIVE WAY CLOSED FOR CONSTRUCTION.
  - IN ADDITION TO MAINTAINING ONE DRIVEWAY ACCESS AT ALL TIMES, THE TENANTS AT THIS LOCATION MAY CHOOSE TO UTILIZE AN ALTERNATE ACCESS THROUGH THE PROPRIETY AT 253, 245, 241, 227 NORTHLAND, FOR ACCESS TO NORTHLAND.
4. PROPERTY AT 271 NORTHLAND (DRIVEWAY AT 5+50 LEFT)
  - THE DRIVEWAY MAY BE ENTIRELY CLOSED WITH THE BUSINESS TO UTILIZE THE DRIVEWAY AT NORTHLAND.
5. PROPERTY AT 287 / 285 NORTHLAND (DRIVEWAYS AT 5+00 LEFT AND 3+55 LEFT)
  - THE CONTRACTOR WILL BE PERMITTED TO CLOSE ONE DRIVEWAY FOR CONSTRUCTION WHILE MAINTAINING THE SECOND DRIVEWAY
  - UPON COMPLETION OF THE ABOVE NOTED DRIVEWAY, THE RECONSTRUCTED DRIVEWAY SHALL BE OPENED AND THE OTHER DRIVE WAY CLOSED FOR CONSTRUCTION.

MAINTENANCE OF TRAFFIC SHALL BE ONGOING THROUGHOUT THE DURATION OF THE PROJECT, INCLUDING ALL PERIODS OF INACTIVITY BY THE CONTRACTOR, UNTIL FINAL ACCEPTANCE OF THE PROJECT. PAYMENT FOR ABOVE-NOTED WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC, WHICH SHALL INCLUDE ANY LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.



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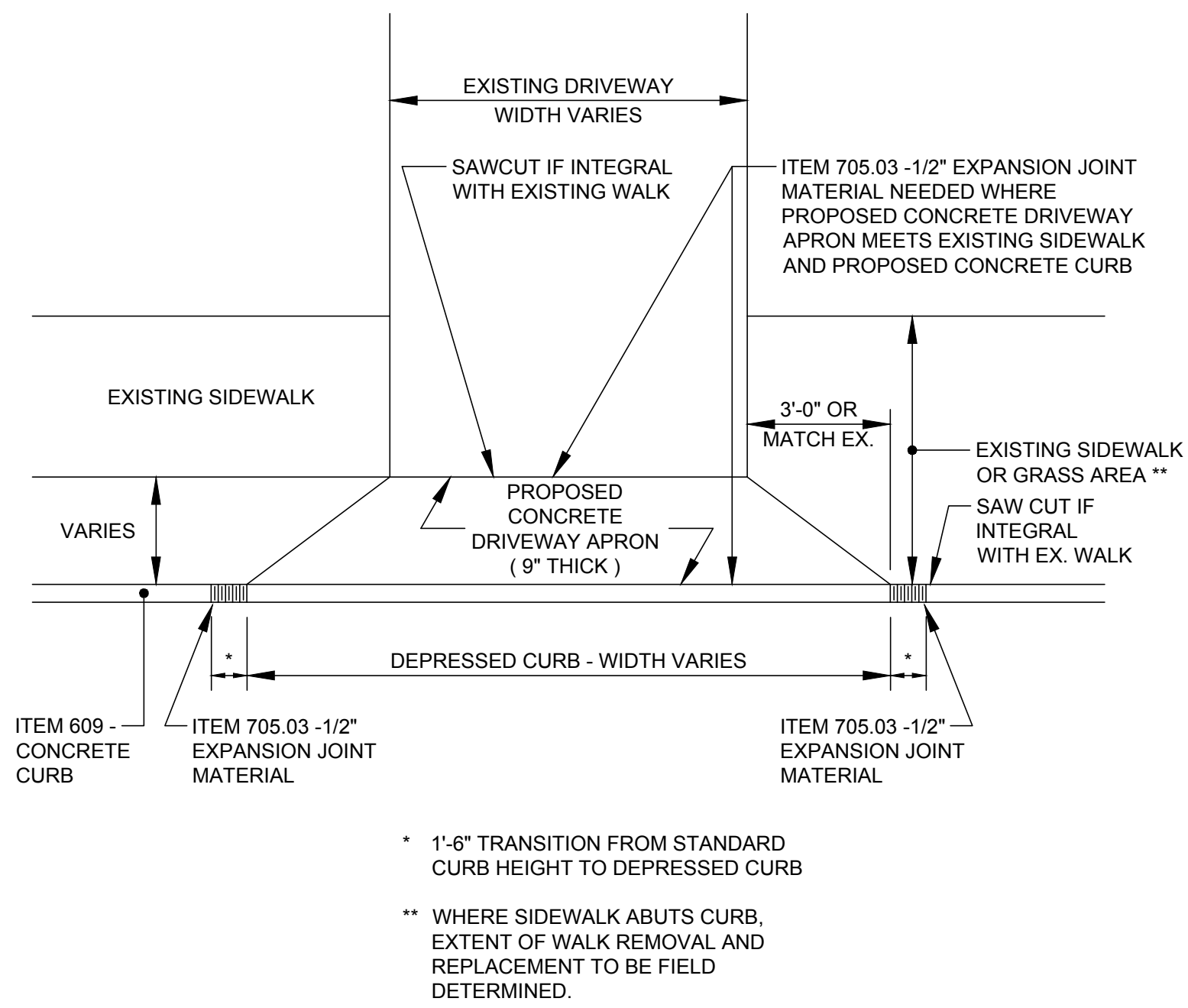
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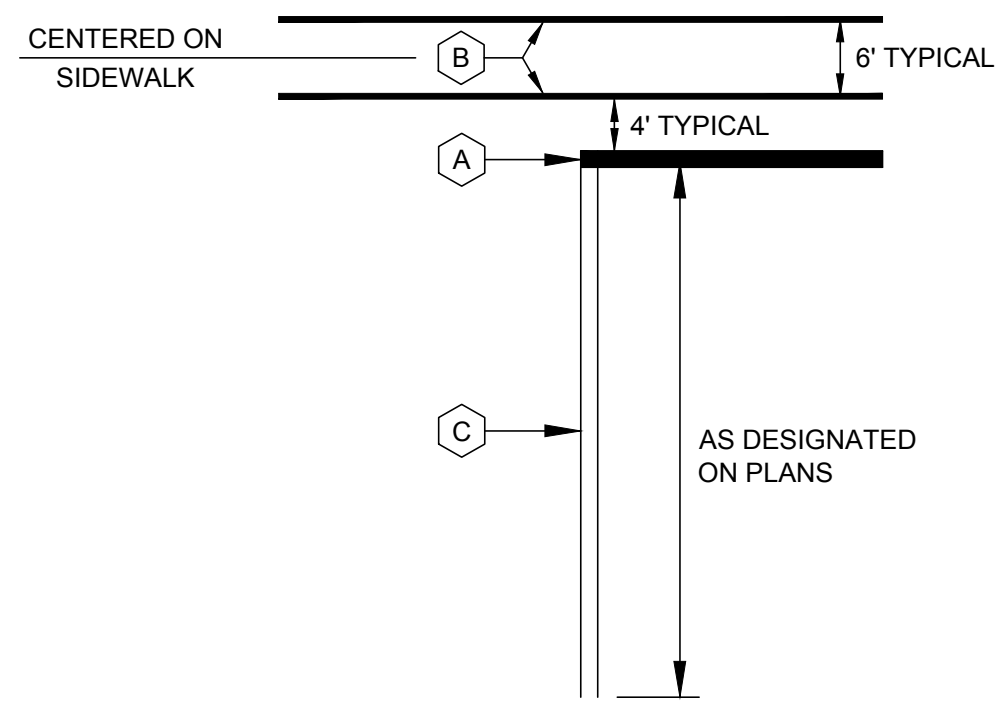
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**MAINTENANCE OF TRAFFIC**

PROJECT NO:	
<b>180737</b>	
DRAWING NAME	
<b>MOT</b>	
SHEET	OF
<b>4</b>	<b>9</b>



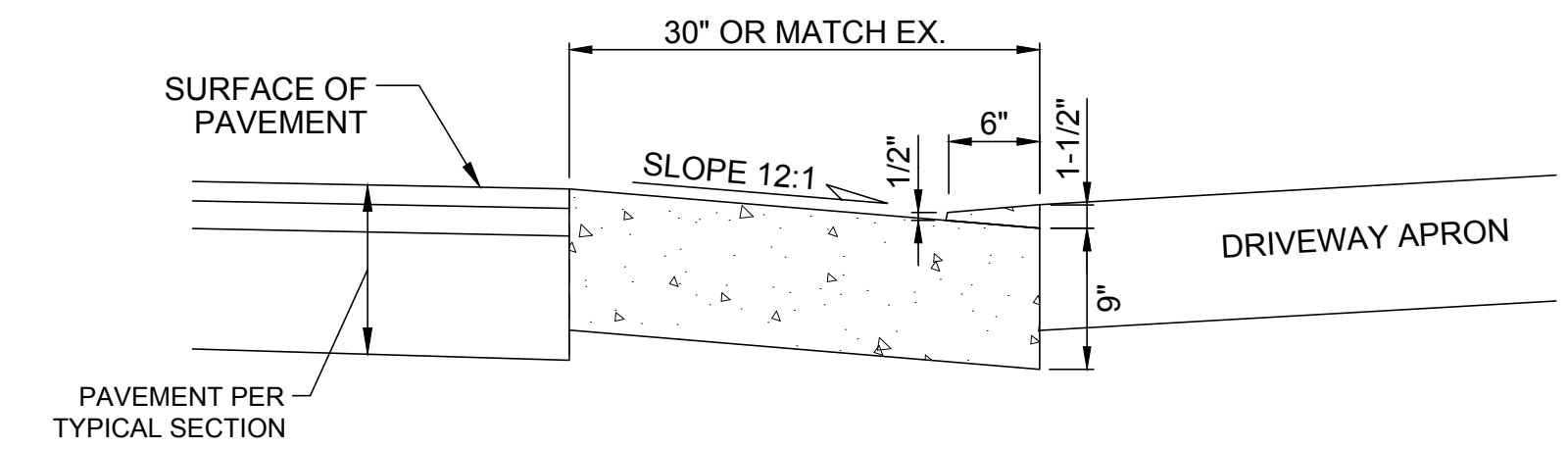
**ITEM 452 - (9") NON-REINFORCED CONCRETE PAVEMENT - DRIVEWAY APRON**  
NTS



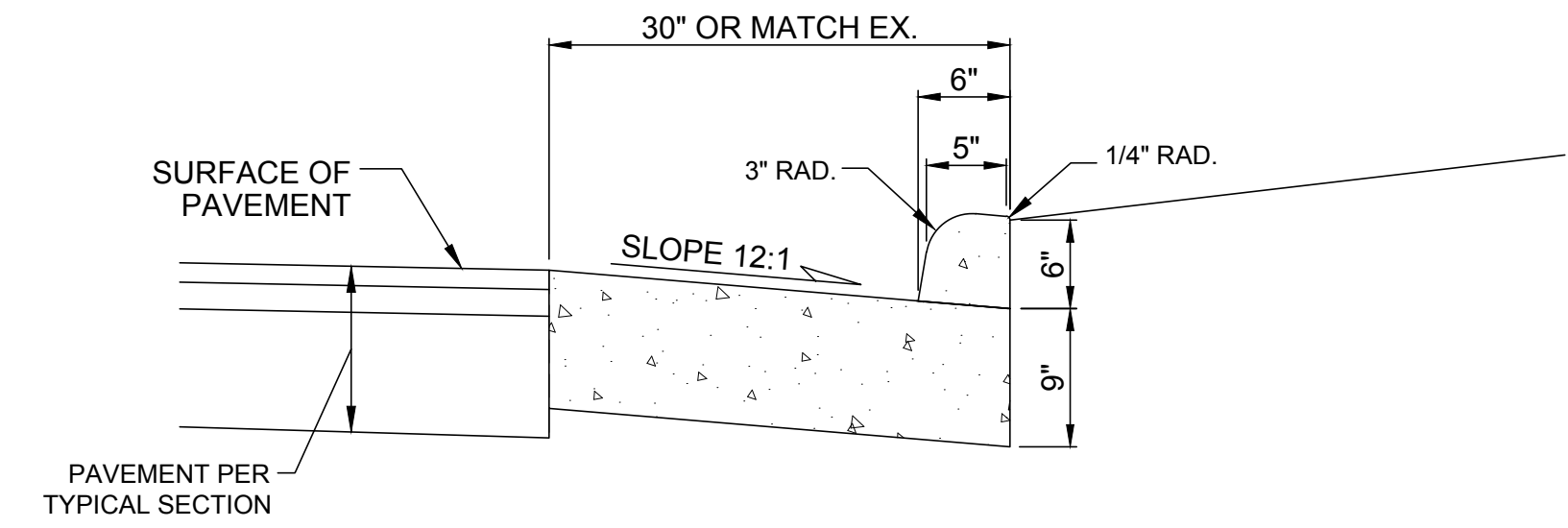
**LEGEND**

- A ITEM 644 - 24" STOP LINE
- B ITEM 644 - 12" CROSSWALK LINES
- C ITEM 644 - 4" SOLID DOUBLE YELLOW CENTERLINE

**ITEM 644 - PAVEMENT MARKING DETAIL**  
NTS

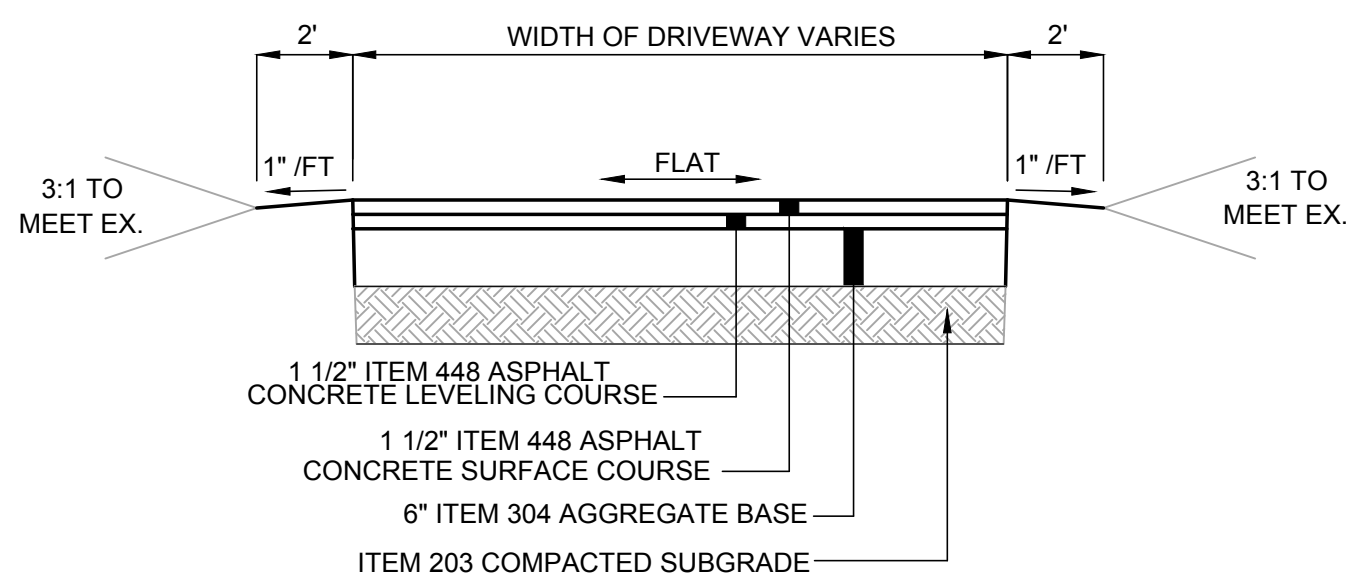


**DEPRESSED TYPE 2 CURB AND GUTTER**

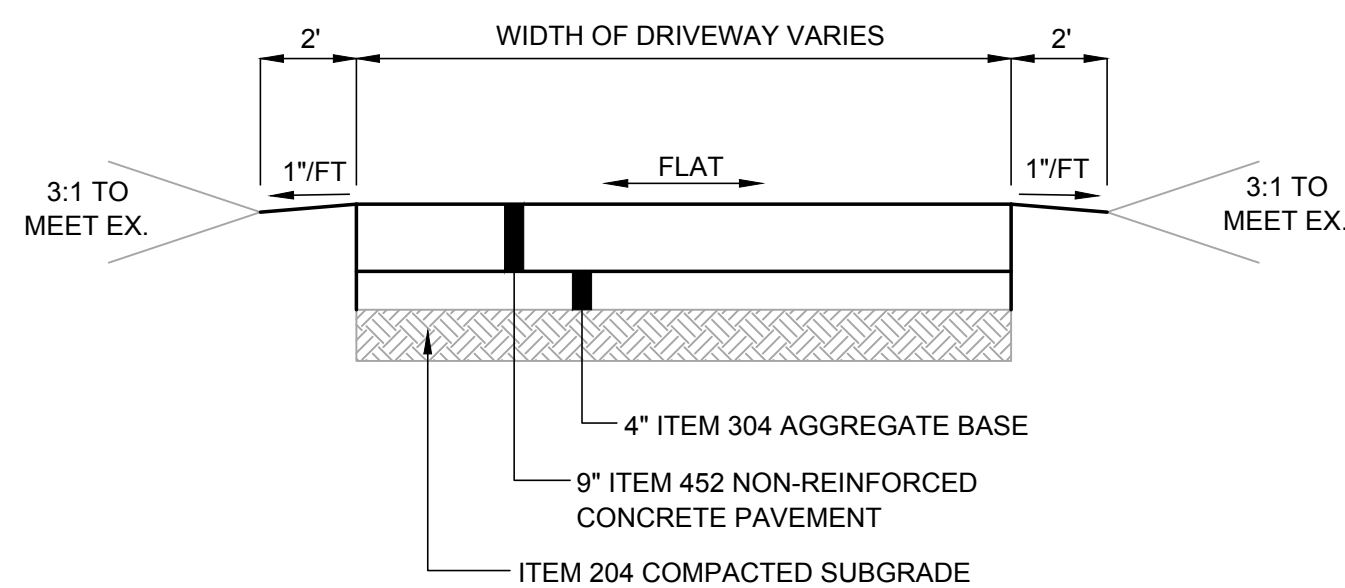


**TYPE 2 CURB AND GUTTER**

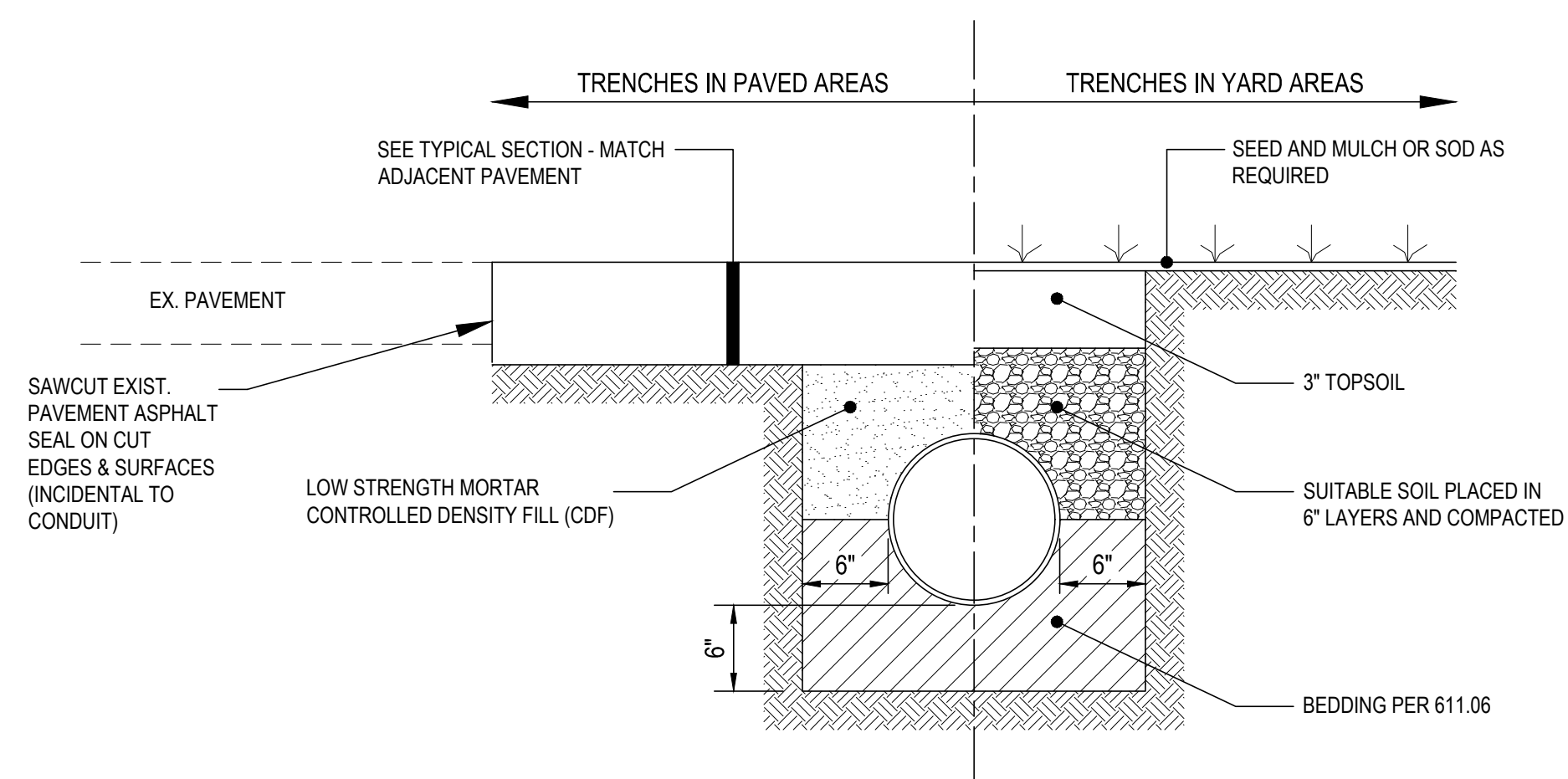
**ITEM 609 - ODOT TYPE 2 CURB AND GUTTER, AS PER PLAN**  
NTS



**ASPHALT DRIVEWAY REPLACEMENT**  
NTS



**CONCRETE DRIVEWAY REPLACEMENT**  
NTS



**NOTES**  
-COST SHALL BE INCIDENTAL TO APPROPRIATE 611

**TYPICAL TRENCH BACKFILL**  
NTS

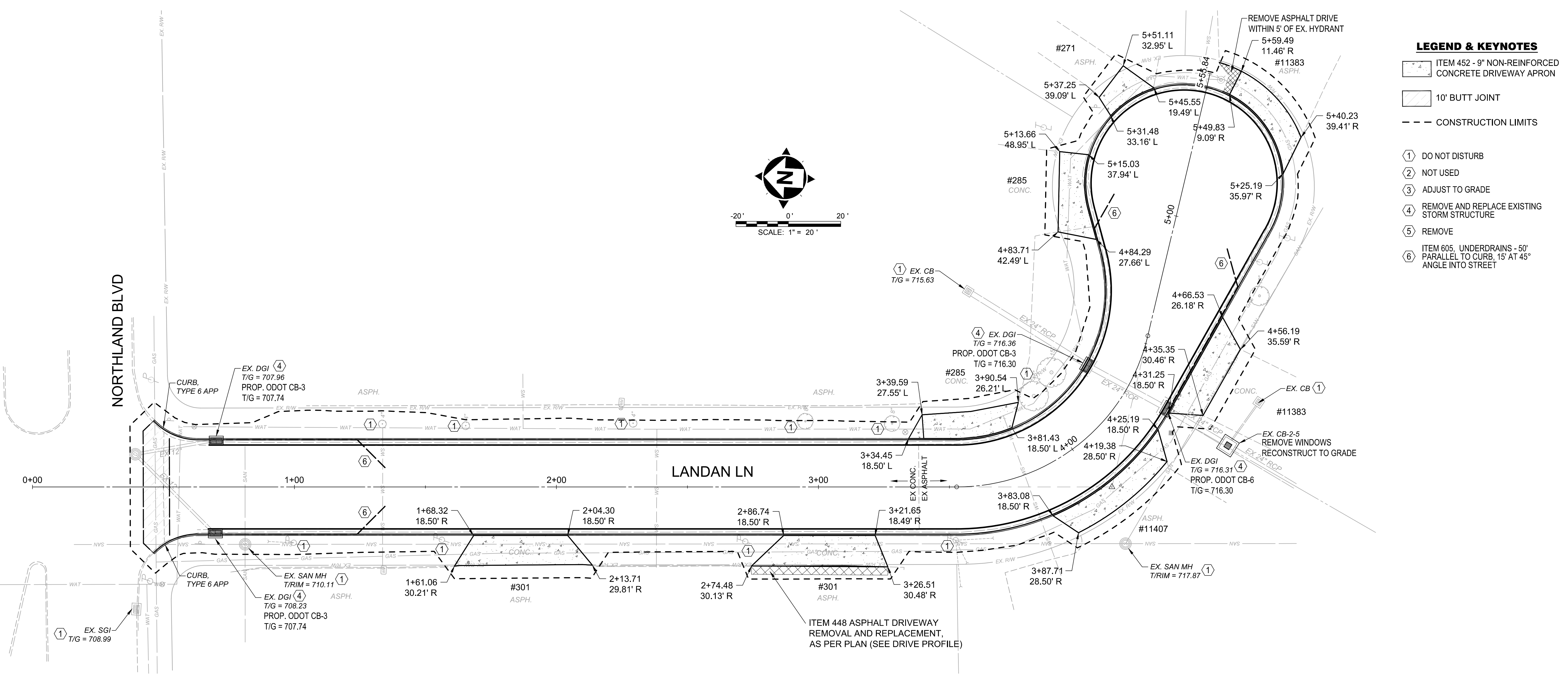
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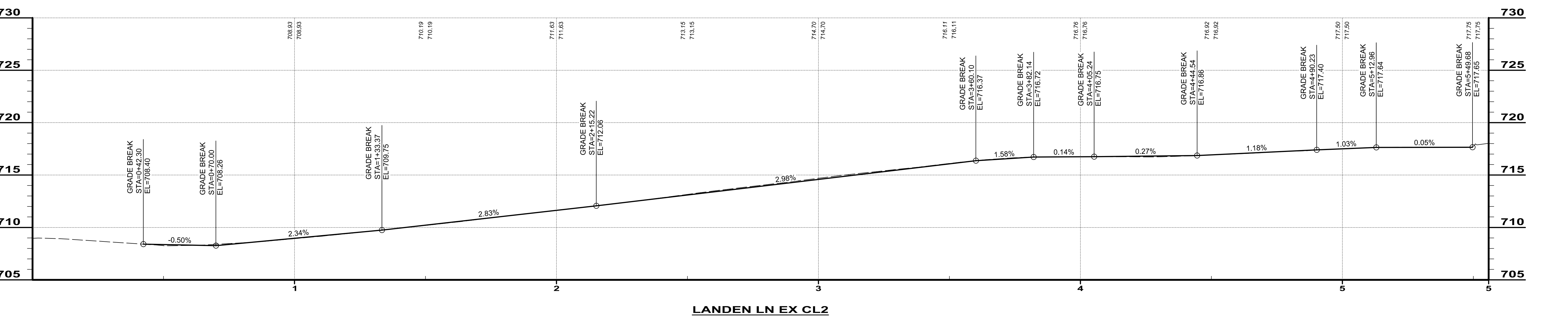
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**CITY OF SPRINGDALE**  
**HAMILTON COUNTY, OHIO**


**DETAILS**

PROJECT NO: <b>180737</b>	
DRAWING NAME <b>DET</b>	
SHEET <b>5</b>	OF <b>9</b>



- LEGEND & KEYNOTES**
- ① ITEM 452 - 9" NON-REINFORCED CONCRETE DRIVEWAY APRON
  - ② 10' BUTT JOINT
  - CONSTRUCTION LIMITS
  - ① DO NOT DISTURB
  - ② NOT USED
  - ③ ADJUST TO GRADE
  - ④ REMOVE AND REPLACE EXISTING STORM STRUCTURE
  - ⑤ REMOVE
  - ⑥ ITEM 605. UNDERDRAINS - 50" PARALLEL TO CURB, 15' AT 45° ANGLE INTO STREET





consultants  
engineers  
architects  
planners

NO	REVISION	DATE

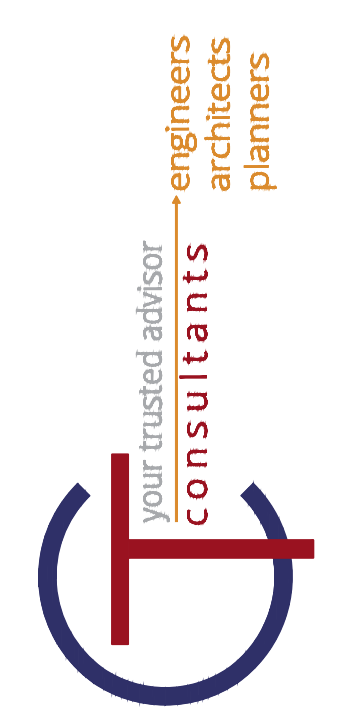
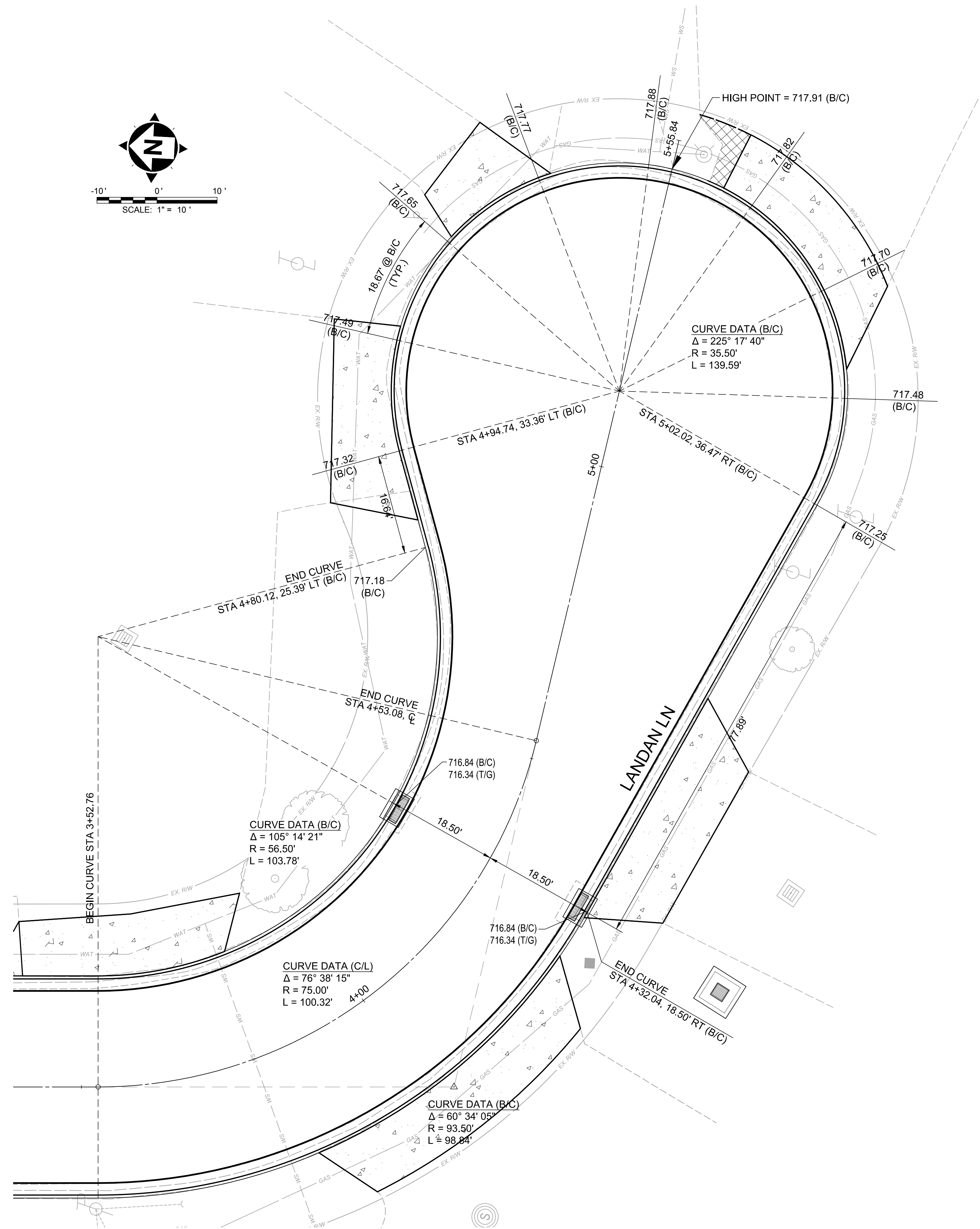
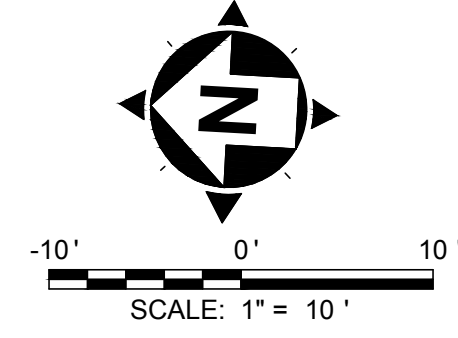
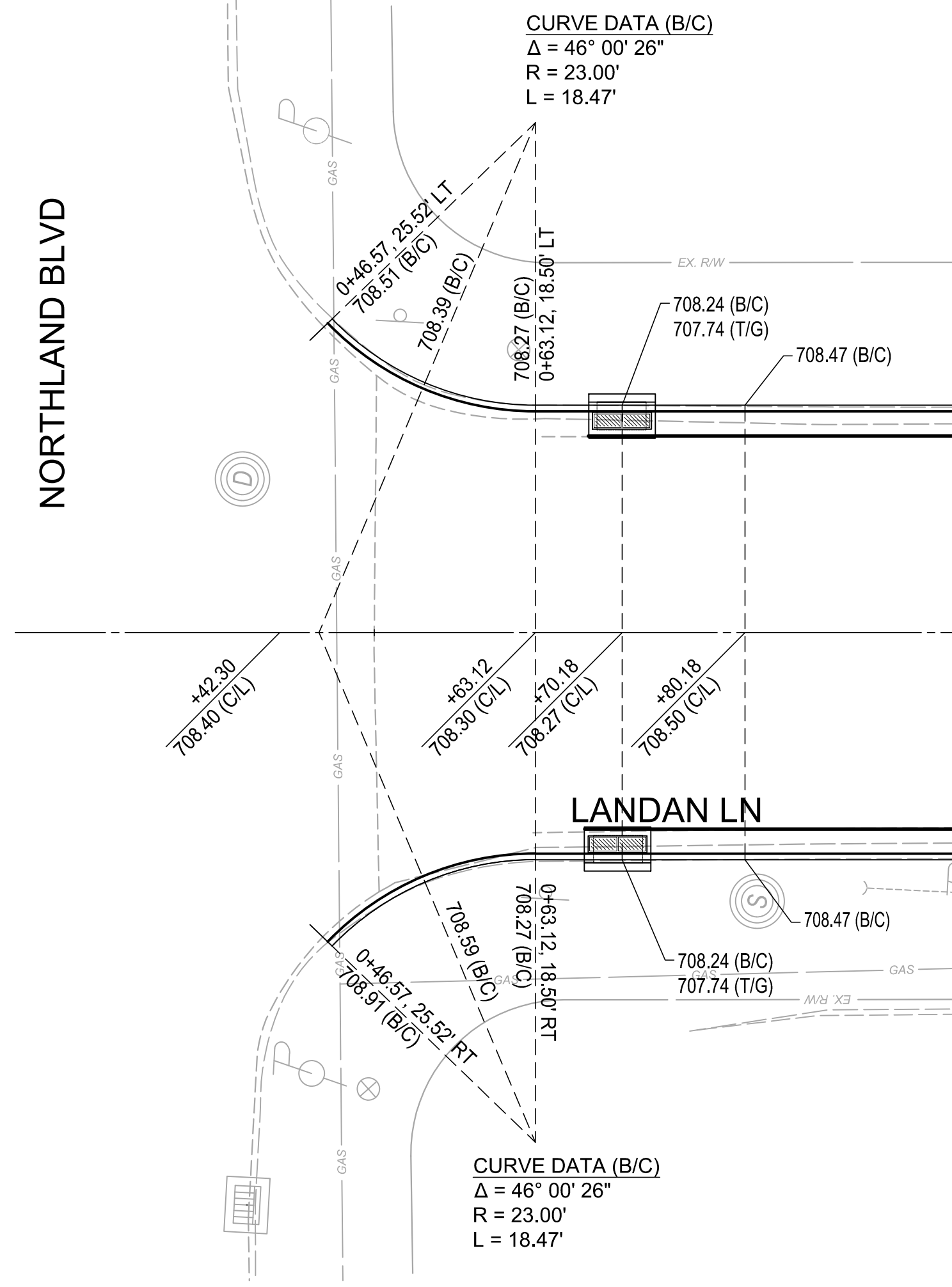
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PLAN AND PROFILE

PROJECT NO:	
<b>180737</b>	
DRAWING NAME	
<b>PNP</b>	
SHEET	OF
<b>6</b>	<b>9</b>

NORTHLAND BLVD



NO	REVISION	DATE

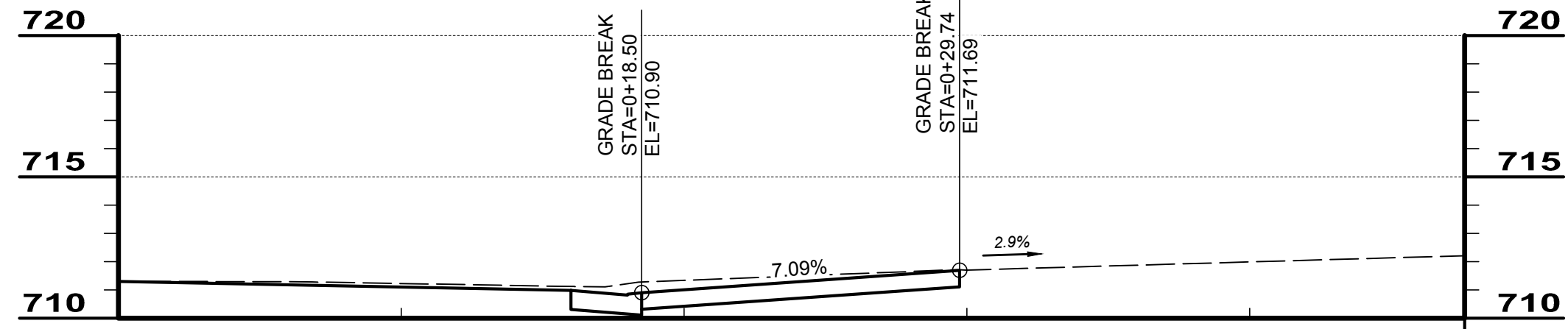
  

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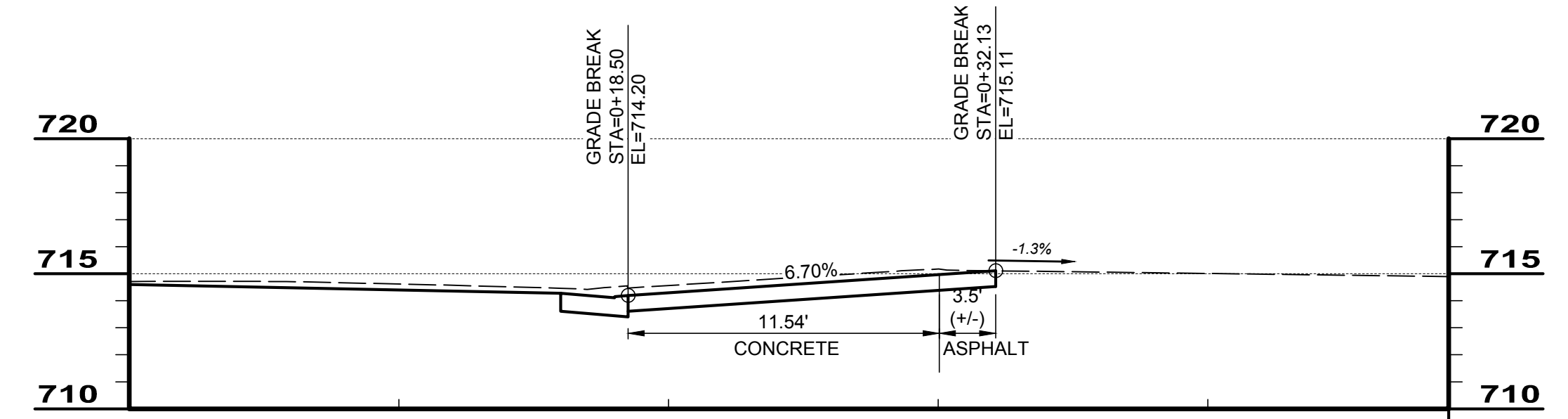
**LANDAN LANE**  
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**INTERSECTION DETAILS**

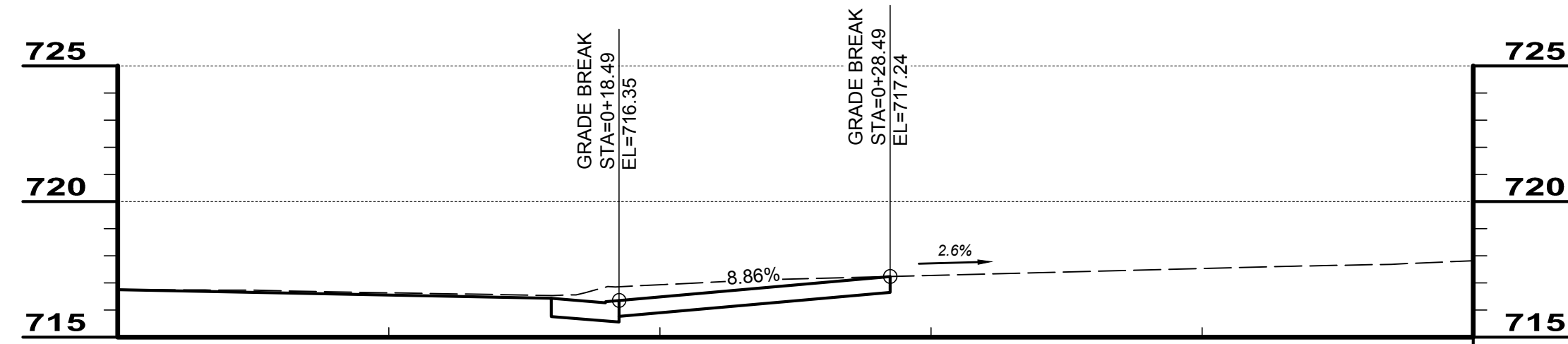
PROJECT NO:	
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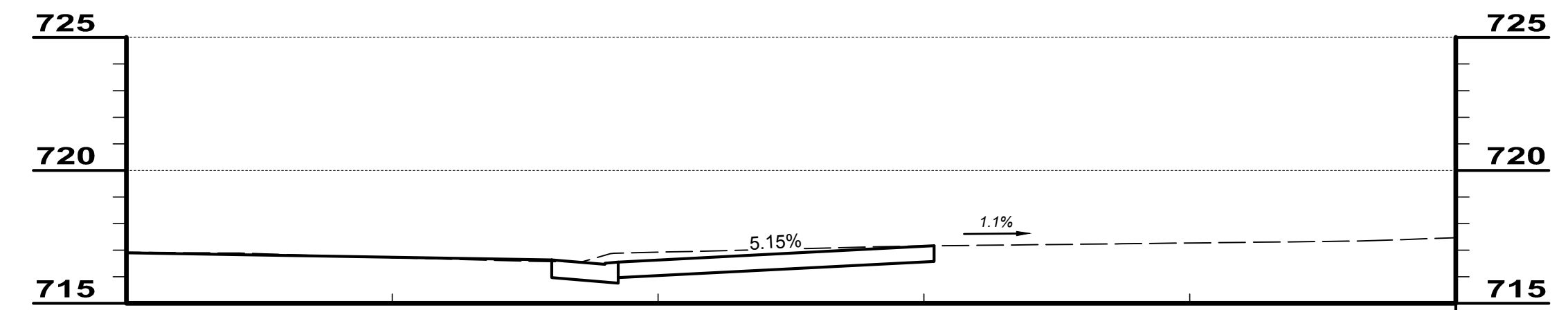
**#301 NORTHLAND N DRIVE**  
STA 1+88.31



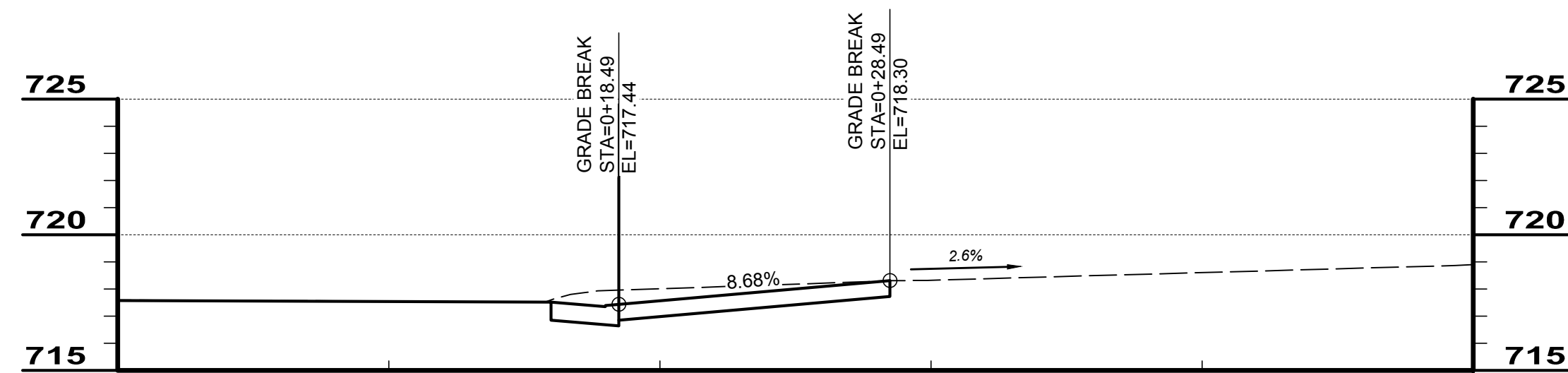
**#301 NORTHLAND S DRIVE**  
STA 3+00.49



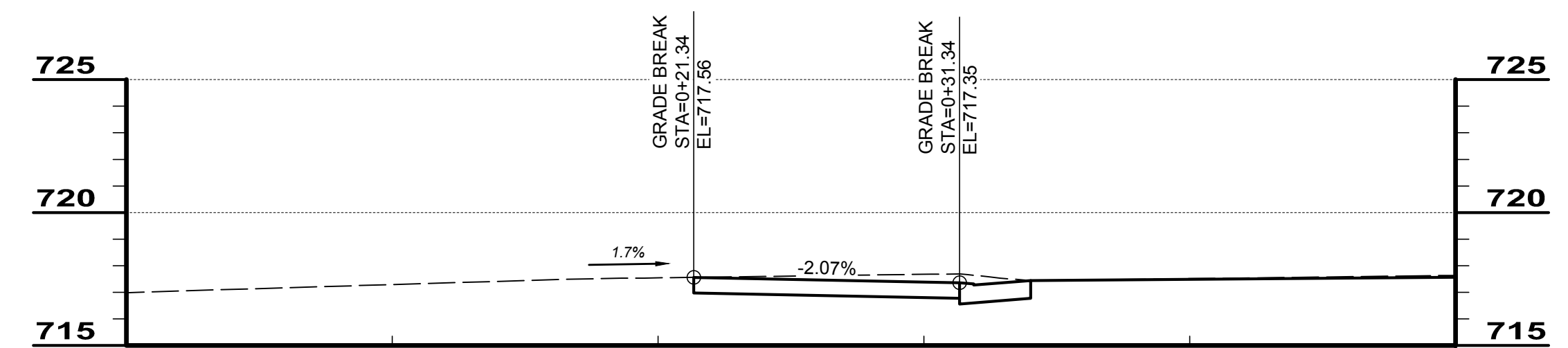
**#11407 LANDAN DRIVE**  
STA 4+03.44



**#11383 LANDAN W DRIVE**  
STA 4+47.58



**#11383 LANDAN E DRIVE**  
STA 5+45.14



**#271 NORTHLAND DRIVE**  
STA 5+38.43



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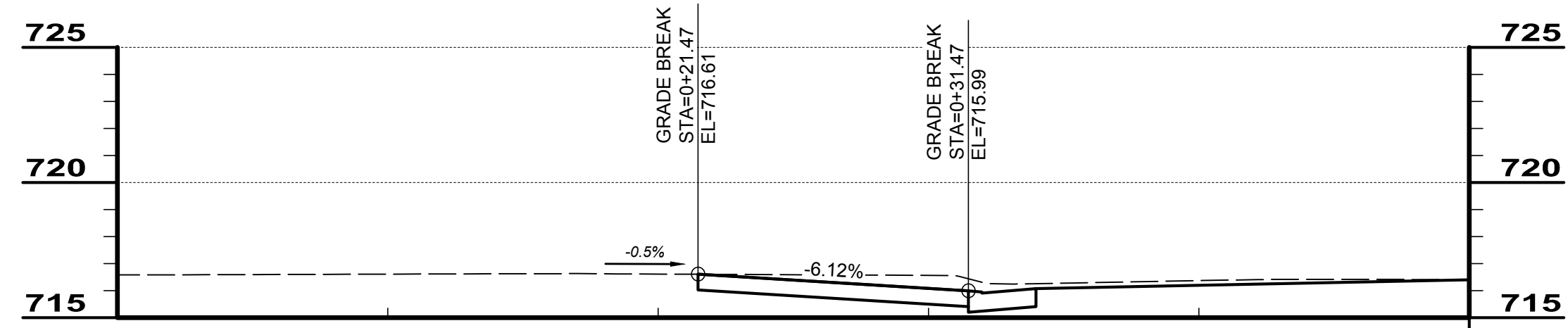
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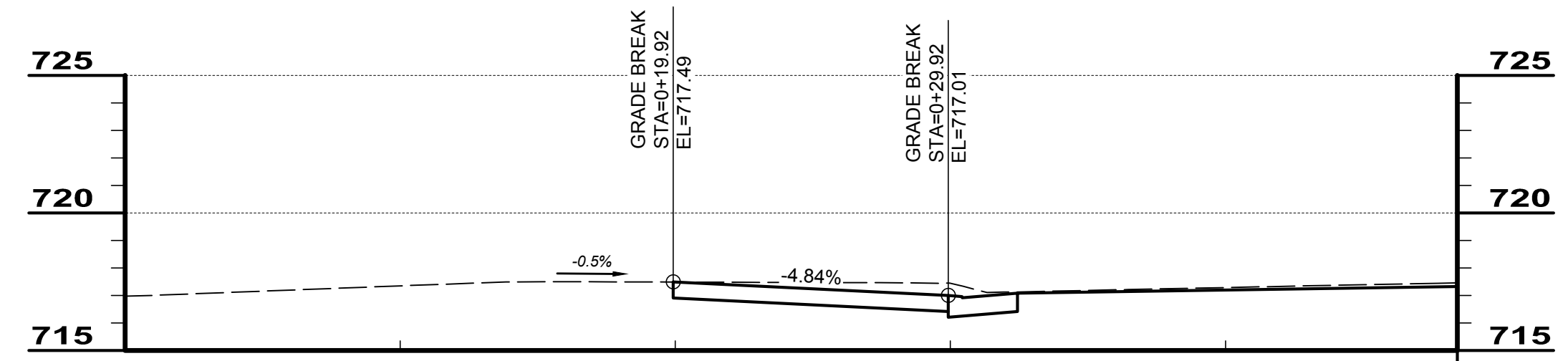
**DRIVEWAY PROFILES**

PROJECT NO: <b>180737</b>	
DRAWING NAME: <b>DRP1</b>	
SHEET <b>8</b>	OF <b>9</b>





**#285 NORTHLAND N DRIVE**  
STA 3+61.52



**#285 NORTHLAND S DRIVE**  
STA 5+00.84



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**LANDAN LANE**  
**CITY OF SPRINGDALE**  
**HAMILTON COUNTY, OHIO**

**DRIVEWAY PROFILES**

PROJECT NO:	
180737	
DRAWING NAME	
DRP2	
SHEET	OF
9	9